

1TX 1RX

5GHz Band Low-Power Data Communication System (802.11a W52)

TEST REPORT

To. **Digi International Inc.**



DSP RESEARCH, INC.

Tested by;

Hiraku Irie X
Hiraku Irie

Approved by;

Koichi Minaki X
Koichi Minaki

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Table of Contents

1.	TEST RESULT REPORT	3
2.	TEST RESULTS DATA FOR JAPANESE CERTIFICATION ...	4
3.	Measurement Equipment List	9
4.	About Uncertainty of Measured Value	10
5A.	< Appendix > TX1 Measurement Result (with Image)	11
	5A.1. Frequency Tolerance	11
	5A.2. Occupied Bandwidth	12
	5A.3. Transmission Output Power	13
	5A.4. Adjacent Channel Leakage Power	14
	5A.5. Unwanted Emission Strength	15
	5A.6. Out-band Leakage Power	19
	5A.7. Secondarily Emitted Radio Wave Strength	32
6.	PHOTOS	38
	6.1. Test Conditions Photographs	38

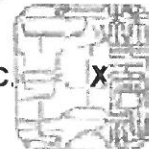
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1. TEST RESULT REPORT

Date of issue; 2012/10/1

Test Laboratory:
DSP RESEARCH, INC.



Inspection Result of Specified Radio Equipment is reported as mention in the following.

Description	
1. Model Name	W9M2443
2. Serial Number	N/A
3. Number of Tested Equipment	1
4. Test Method	Measurement was conducted by the following test method: the test method of Ordinance Concerning Technical Regulations Conformity Certification etc. of Specified Radio Equipment in Annex 1, the Ministry of Internal Affairs and Communication notification in Annex 45 of Article 88, Paragraph 1 or the test method more than equivalent.
5. Date of Testing	2012/9/25
6. Place of Testing	DSP RESEARCH, INC. 1-4-3 Minatojima, Minamimachi, Chuo-ku, Kobe City, Hyogo, 650-0047, Japan
7. Test Result	PASS (Refer to attachment)
8. Measurement Equipment	Refer to Item 3
9. Classification of Specified Radio Equipment	Article 2 Clause 1 Item 19-3
10. Type of Emissions, Frequency and Declaration Output Power to be tested	D1D, G1D 5.18, 5.20, 5.22, 5.24GHz 0.0012W/MHz

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2. TEST RESULTS DATA FOR JAPANESE CERTIFICATION

Environment of Test Room	Temperature	27 °C	
	Humidity	57 %	
Peak Antenna Gain	3.6	dBi	
Declaration Output Power	1.2	mW/MHz	
Declaration Output Power	0.7918	dBm/MHz	
E.I.R.P	4.3918	dBm/MHz	
Input Power Voltage	3.3	VDC	
Tested Circuit Insertion Loss for TX	TX1	16.601	dB
	TX2		dB
	TX3		dB
Tested Circuit Insertion Loss for RX	RX1	3.687	dB
	RX2		dB
	RX3		dB
Burst	ON TIME	-Not applicable-	sec
	OFF TIME	-Not applicable-	sec
	Ratio	-Not applicable-	%
Packet Type (Mode)		-Not applicable-	mode

Test Category ; 5GHz Band Low-Power Data Communication System (802.11a W52)

Comprehensive operation test

: In order to receive constant voltage from DC regulator, power supply voltage examines only by usual state voltage.

2.1. TEST Results (W52)

Measurement Frequency	MHz	5180	5240	Result	Note
Channel Number	Ch.	36	48	-----	
Reading Frequency (TX1)	MHz	5180.00073	5240.00061	-----	
Frequency Tolerance (TX1)	ppm	0.13996	0.11641	PASS	
Reading Frequency (TX2)	MHz				
Frequency Tolerance (TX2)	ppm				
Reading Frequency (TX3)	MHz				
Frequency Tolerance (TX3)	ppm				
Occupied Bandwidth (TX1)	MHz	17.04	17.04	PASS	
Occupied Bandwidth (TX2)	MHz				
Occupied Bandwidth (TX3)	MHz				
RF Output Power (TX 1)	mW/MHz	0.938	1.026	<Reference>	
RF Output Power (TX 2)	mW/MHz				
RF Output Power (TX 3)	mW/MHz				
RF Output Power (TX1) or (TX 1+2) or (TX 1+2+3)	mW/MHz	0.938	1.026	<Reference>	
RF Output Power Tolerance (TX 1) or (TX 1+2) or (TX 1+2+3)	%	-21.85	-14.51	PASS	
Real Total Output Power (TX 1)	dBm	10.897	11.131	<Reference>	
Real Total Output Power (TX 2)	dBm				
Real Total Output Power (TX 3)	dBm				
RF Output Power Tolerance (TX1) or (TX1+2) or (TX1+2+3)	dBm	10.897	11.131	<Reference>	

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2.1. TEST Results (W52)

Measurement Frequency		MHz	5180	5240	Result	Note
Channel Number		Ch.	36	48	-----	
Unwanted Emission Strength (TX 1)	Under 5135MHz	μV/MHz	0.0225	0.0211	PASS	
		MHz	5099.3620	5119.3440	-----	
	5365MHz - 26GHz	μV/MHz	0.0104	0.0144	PASS	
		MHz	21565.6480	23913.1900	-----	
Unwanted Emission Strength (TX 2)	Under 5135MHz	μV/MHz				
		MHz				
	5365MHz - 26GHz	μV/MHz				
		MHz				
Unwanted Emission Strength (TX 3)	Under 5135MHz	μV/MHz				
		MHz				
	5365MHz - 26GHz	μV/MHz				
		MHz				
Unwanted Emission Strength (TX1) or (TX 1+2) or (TX 1+2+3)	Under 5135MHz	μV/MHz	0.0225	0.0211	PASS	
		MHz	1TX	1TX	-----	
	5365MHz - 26GHz	μV/MHz	0.0104	0.0144	PASS	
		MHz	1TX	1TX	-----	
	It should be added up all spurious measurement values within "Reference Bandwidth(=1MHz)" of the same frequency.					
	Adjacent Channel Leakage Power (TX1)	CF -40MHz	dB	-56.33	-55.85	PASS
CF -20MHz		dB	-37.08	-36.56	PASS	
CF +20MHz		dB	-37.64	-37.19	PASS	
CF +40MHz		dB	-54.34	-54.04	PASS	
Adjacent Channel Leakage Power (TX2)	CF -40MHz	dB				
	CF -20MHz	dB				
	CF +20MHz	dB				
	CF +40MHz	dB				
Adjacent Channel Leakage Power (TX3)	CF -40MHz	dB				
	CF -20MHz	dB				
	CF +20MHz	dB				
	CF +40MHz	dB				

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2.1. TEST Results (W52)

Measurement Frequency	MHz	5180	5240	Result	Note	
Channel Number	Ch.	36	48	-----		
Out-Band Leakage Power (TX 1)	5135 - 5142MHz	μVW/MHz	0.0500	0.0802	PASS	
		MHz	5139.8560	5139.8700	-----	
	5142 - 5150MHz	μVW/MHz	0.2071	0.0434	PASS	
		MHz	5149.6720	5143.2140	-----	
	5250 - 5251MHz	μVW/MHz	0.0393	142.5936	PASS	
		MHz	5250.3820	5250.0580	-----	
	Limit	μVW/MHz	414.9540	874.9838	-----	
	5251 - 5260MHz	μVW/MHz	0.1334	14.5245	PASS	
		MHz	5259.7600	5252.8080	-----	
	Limit	μVW/MHz	16.6469	69.0699	-----	
	5260 - 5266.7MHz	μVW/MHz	0.1183	1.8841	PASS	
		MHz	5260.0240	5261.9584	-----	
	Limit	μVW/MHz	15.7442	9.2255	-----	
	5266.7 - 5365MHz	μVW/MHz	0.1322	0.6548	PASS	
MHz		5299.7980	5267.6960	-----		
Out-Band Leakage Power (TX 2)	5135 - 5142MHz	μVW/MHz				
		MHz				
	5142 - 5150MHz	μVW/MHz				
		MHz				
	5250 - 5251MHz	μVW/MHz				
		MHz				
	Limit	μVW/MHz				
	5251 - 5260MHz	μVW/MHz				
		MHz				
	Limit	μVW/MHz				
	5260 - 5266.7MHz	μVW/MHz				
		MHz				
	Limit	μVW/MHz				
	5266.7 - 5365MHz	μVW/MHz				
MHz						

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2.1. TEST Results (W52)

Measurement Frequency	MHz	5180	5240	Result	Note
Channel Number	Ch.	36	48	-----	
Out-Band Leakage Power (TX 3)	5135 - 5142MHz	μW/MHz			
		MHz			
	5142 - 5150MHz	μW/MHz			
		MHz			
	5250 - 5251MHz	μW/MHz			
		MHz			
	Limit	μW/MHz	-----	-----	
	5251 - 5260MHz	μW/MHz			
		MHz			
	Limit	μW/MHz	-----	-----	
	5260 - 5266.7MHz	μW/MHz			
		MHz			
	Limit	μW/MHz	-----	-----	
	5266.7 - 5365MHz	μW/MHz			
MHz					
Out-Band Leakage Power (TX1) or (TX 1+2) or (TX 1+2+3)	5135 - 5142MHz	μW/MHz	0.0500	0.0802	PASS
		1TX	1TX	-----	
	5142 - 5150MHz	μW/MHz	0.2071	0.0434	PASS
		1TX	1TX	-----	
	5250 - 5251MHz	μW/MHz	0.0393	142.5936	PASS
		1TX	1TX	-----	
	Limit	μW/MHz	414.9540	874.9838	-----
	5251 - 5260MHz	μW/MHz	0.1334	14.5245	PASS
		1TX	1TX	-----	
	Limit	μW/MHz	16.6469	69.0699	-----
	5260 - 5266.7MHz	μW/MHz	0.1183	1.8841	PASS
		1TX	1TX	-----	
	Limit	μW/MHz	15.7442	9.2255	-----
	5266.7 - 5365MHz	μW/MHz	0.1322	0.6548	PASS
1TX		1TX	-----		
It should be added up all spurious measurement values within "Reference Bandwidth(=1MHz)" of the same frequency.					

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2.1. TEST Results (W52)

Measurement Frequency	MHz	5180	5240	Result	Note
Channel Number	Ch.	36	48	-----	
Secondarily emitted radio wave strength (RX 1)	Under 1GHz	nW	0.0032	0.0043	PASS
		MHz	849.4800	835.6400	-----
	1 - 26GHz	nW	0.4827	0.3764	PASS
		MHz	3453.0000	21526.2800	-----
Secondarily emitted radio wave strength (RX 2)	Under 1GHz	nW			
		MHz			
	1 - 26GHz	nW			
		MHz			
Secondarily emitted radio wave strength (RX 3)	Under 1GHz	nW			
		MHz			
	1 - 26GHz	nW			
		MHz			
Secondarily emitted radio wave strength (RX1) or (RX 1+2) or (RX 1+2+3)	Under 1GHz	nW	0.0032	0.0043	PASS
		-----	-----	-----	-----
	1 - 26GHz	nW	0.4827	0.3764	PASS
		-----	-----	-----	-----
Carrier Sensing Function	-----	good	good	PASS	
Burst Length of Transmitted Signals	-----	good	good	PASS	
Interference Prevention Function	-----	good		PASS	

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3. Measurement Equipment List

Use	Int. No.	Kind of Equipment	Model No.	Manufacturer	Serial No.	Calibration Authority	Calibration Date
X	TD10205	Spectrum Analyzer	MS2687B	Anritsu Corporation	6100192047	Anritsu Corporation	2012/5/7
	TD10261	Spectrum Analyzer	MS2687B	Anritsu Corporation	6200573988	Anritsu Corporation	2012/4/4
	IS10362	Spectrum Analyzer	MS2692A	Anritsu Corporation	6200675544	Anritsu Corporation	2012/1/16
	IS10438	Spectrum Analyzer	MS2692A	Anritsu Corporation	6200882959	Anritsu Corporation	2012/7/12
	TD10150	Spectrum Analyzer	E4408B	Agilent Technologies	MY41440467	Anritsu Corporation	2011/11/4
X	TD10201	Power Meter	ML2438A	Anritsu Corporation	04170011	Anritsu Corporation	2011/11/2
	TD10283	Power Meter	ML2438A	Anritsu Corporation	6K00005544	Anritsu Corporation	2012/4/4
X	IS10316	Thermal Sensor	MA24004A	Anritsu Corporation	0917026	Anritsu Corporation	2011/11/2
	IS10317	Thermal Sensor	MA24004A	Anritsu Corporation	0917057	Anritsu Corporation	2012/4/4
X	TD10145	CW Generator	MG3692A	Anritsu Corporation	30407	Anritsu Corporation	2012/5/8
	TD10225	Vector Signal Generator	MG3700A	Anritsu Corporation	6200446460	Anritsu Corporation	2012/3/5
	TD10228	Anechoic Chamber	J-carets2_Chamber	Training Research Co.,LTD.	-----	DSP Research, Inc.	2012/4/17
	TD10288	Temperature & Humidity Chamber	LHU-113	ESPEC Corp.	1012004887	ESPEC Corp.	2012/4/27
	IS10315	Vibration Unit	731-B	EMIC CORPORATION	3379	EMIC CORPORATION	2012/2/2
	TD10260	W-CDMA Signaling Tester	MD8480A	Anritsu Corporation	6100137579	DSP Research, Inc.	2012/6/28
	TD10293	Universal Radio Comm. Tester	CMU200	Rohde & Schwarz	112902	Rohde & Schwarz	2012/1/10
	TD10305	WiMAX Comm. Tester	CMW270	Rohde & Schwarz	100378	Rohde & Schwarz	2012/4/13
	IS10452	Wideband Radio Communication Tester	CMW500	Rohde & Schwarz	101183	Rohde & Schwarz	2012/8/28
	IS10541	Wideband Radio Communication Tester	CMW500	Rohde & Schwarz	126424	Rohde & Schwarz	2012/7/26
	IS10458	Digital Radio Tester for DECT	CTS60	Rohde & Schwarz	100947	Rohde & Schwarz	2011/10/10
	IS10374	Bluetooth Tester	MT8852B-042	Anritsu Corporation	1040003	Anritsu Corporation	2011/11/4
	IS10386	Signaling Tester	MD8470A	Anritsu Corporation	6200893236	Anritsu Corporation	2012/2/8
	TD10146	DC Power Supply	E3645A	Agilent Technologies	MY40000898	DSP Research, Inc.	2012/3/26
	IS10308	Dual Output DC Power Supply	E3648A	Agilent Technologies	MY09380004	DSP Research, Inc.	2012/3/26
	IS10137	Digital Phosphor Oscilloscope	TDS3032B	Tektronix Technology	B015188	Anritsu Corporation	2011/11/1
	IS10100	Digital Storage scope	DS8706	IWATSU	81571106	Anritsu Corporation	2011/11/1
	IS10106	Level Test Set	AE-9311	ANDO Electric	60361609	FUJITSU FACILITIES Ltd	2011/10/28
	IS10108	Telephone Unit Tester	AE-9303	ANDO Electric	60419502	FUJITSU FACILITIES Ltd	2011/10/28
	IS10211	Digital Insulation Tester	MY40-01	YOKOGAWA	84NA1249	Anritsu Corporation	2011/11/2
	IS10115	Level Meter	LM312	Oi Electric	100900	Anritsu Corporation	2011/11/1
	IS10212	Network/Spectrum Analyzer	MS420B	Anritsu Corporation	M27193	Anritsu Corporation	2011/11/9
	IS10249	Signaling Tester	MD1620C	Anritsu Corporation	M83464	Anritsu Corporation	2011/11/4
	IS10113	Oscillator	AG203D	KENWOOD	2050006	Anritsu Corporation	2011/11/10
	IS10071	ISDN Simulator	i6492	AD System Corporation	606575	DSP Research, Inc.	2011/10/6
	IS10072	ISDN Simulator	J-6004	AD System Corporation	40139	DSP Research, Inc.	2011/10/6
	IS10004	ISDN Simulator	J-9124AM	AD System Corporation	709546	DSP Research, Inc.	2011/10/6
	TD10226	802.11MON	DFS_Monitor1	DSP Research, Inc.	-----	DSP Research, Inc.	2011/10/6
	IS10170	SIP Protocol Monitor	CX750A	DSP Research, Inc.	-----	DSP Research, Inc.	2012/2/27
	IS10069	ISDN Protocol Monitor	F-2	AD System Corporation	IS10069	DSP Research, Inc.	2011/10/6
	IS10319	PHS Protocol Analyzer	PHS35L	Shibasoku Co.,Ltd.	3000027416	DSP Research, Inc.	2011/10/6
	TD10226	802.11MON	DFS_Monitor1	DSP Research, Inc.	-----	DSP Research, Inc.	2011/10/6
	TD10227	ISAC_1_JP	DFS_Monitor2	DSP Research, Inc.	-----	DSP Research, Inc.	2011/10/6

- Note : 1. The calibration of measurement equipment is valid for a one year period.
2. "X" used equipment.

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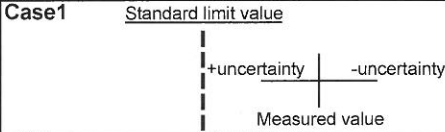

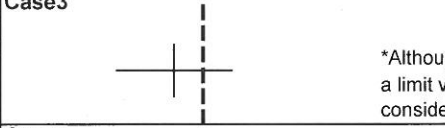

4. About Uncertainty of Measured Value

*In this test, the influence of an error or uncertainty may be done according to the following factors.

- Bias of a measurement equipment, Change by aging, Attrition, Noise
- Skill and capability of an inspector
- Environment (Temperature, Humidity)
- Dispersion in a EUT (Equipment Under Test)
- Uncertainty of calibration of a measurement equipment

Therefore, Synthetic uncertainty is calculated using "k=2" of coverage factor, and about 95% of confidence level shall be obtained.

In consideration of the above, it judged as follows.

JUDGE	Measured value and Standard limit value	
PASS	Case1 	*Even if it takes uncertainty into consideration, a standard limit value is fulfilled.
	Case2 	*Although measured value is in a standard limit value, a limit value won't be fulfilled if uncertainty is taken into consideration.
FAIL	Case3 	*Although measured value exceeds a standard limit value, a limit value will be fulfilled if uncertainty is taken into consideration.
	Case4 	*Even if it takes uncertainty into consideration, a standard limit value isn't fulfilled.

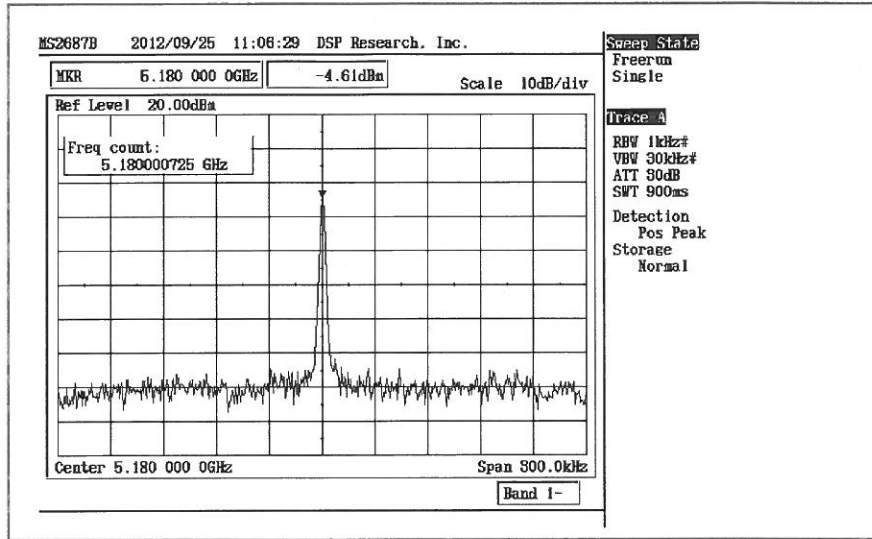
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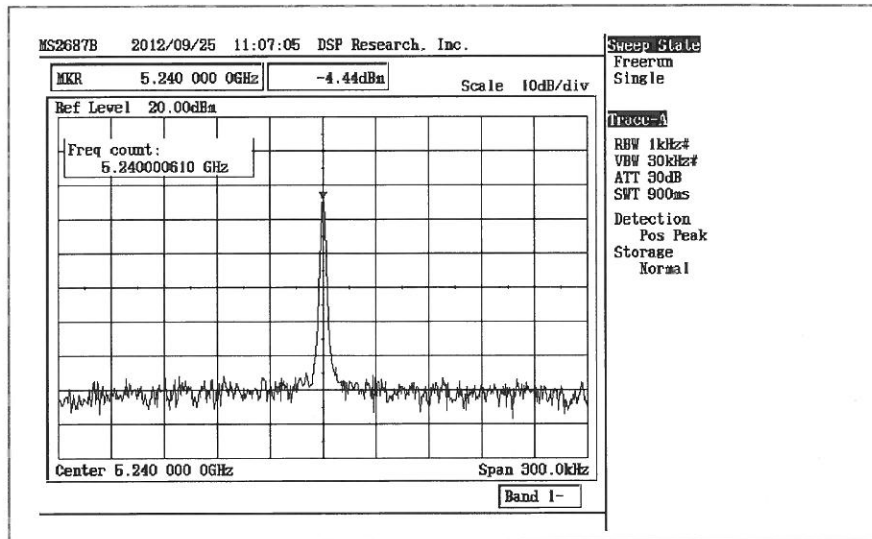
5A. < Appendix >TX1 Measurement Result

5A.1. Frequency Tolerance

Channel36: 5180MHz



Channel48: 5240MHz



Japanese Regulation

- Frequency Tolerance shall be within $\pm 20ppm$.

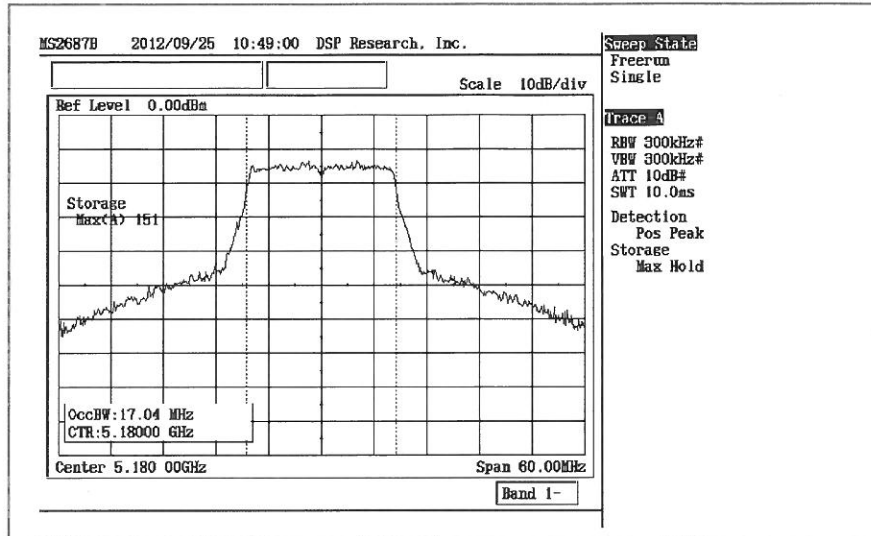
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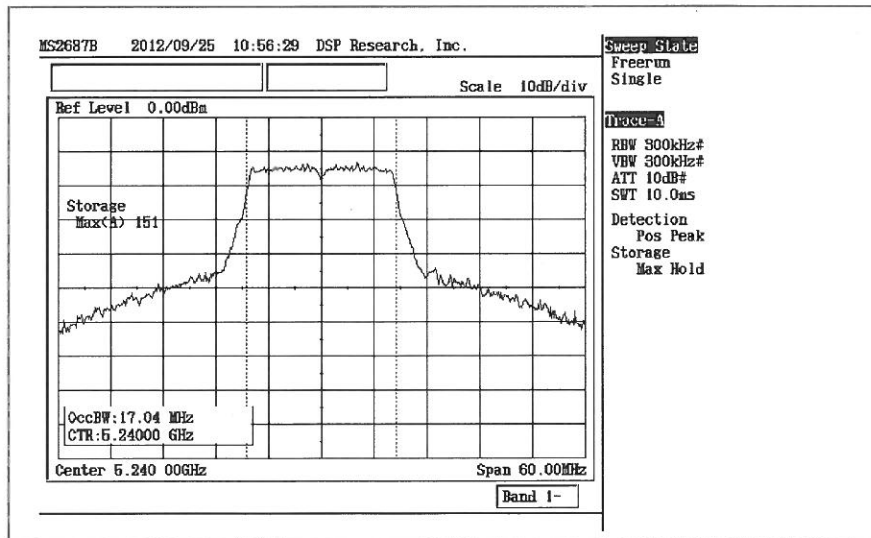
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5A.2. Occupied Bandwidth

Channel36: 5180MHz



Channel48: 5240MHz



Japanese Regulation

- *Occupied Bandwidth shall be 19MHz or below.*

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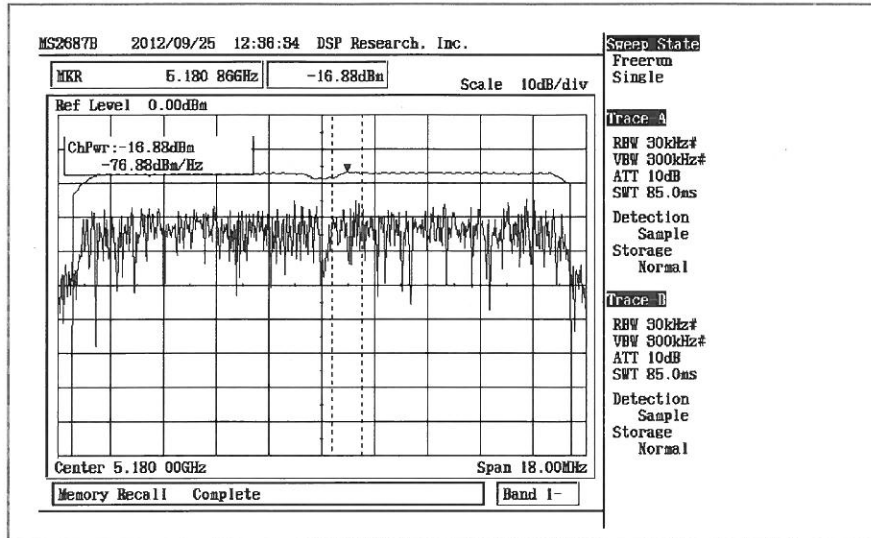
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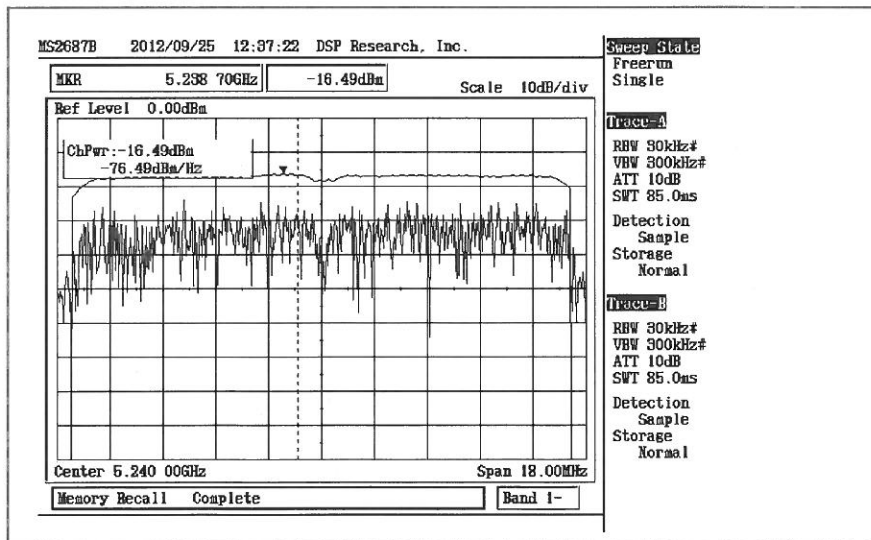
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5A.3. Transmission Output Power

Channel36: 5180MHz



Channel48: 5240MHz



Japanese Regulation

- Output Power shall be 10mW/MHz or less.
- Output Power Tolerance shall be range from +20% to -80%.

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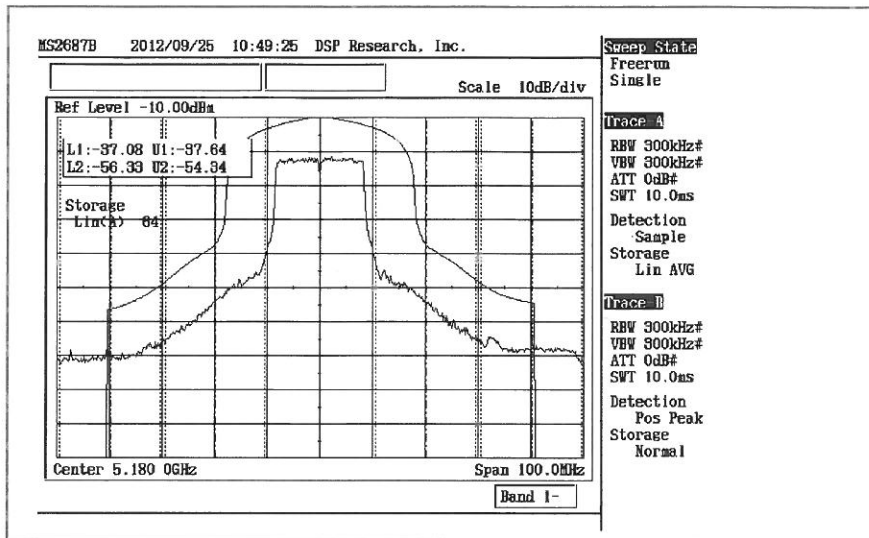
* Phone: +81-78-940-0377, Fax: +81-78-940-0378

U.S.A. Office: 1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.

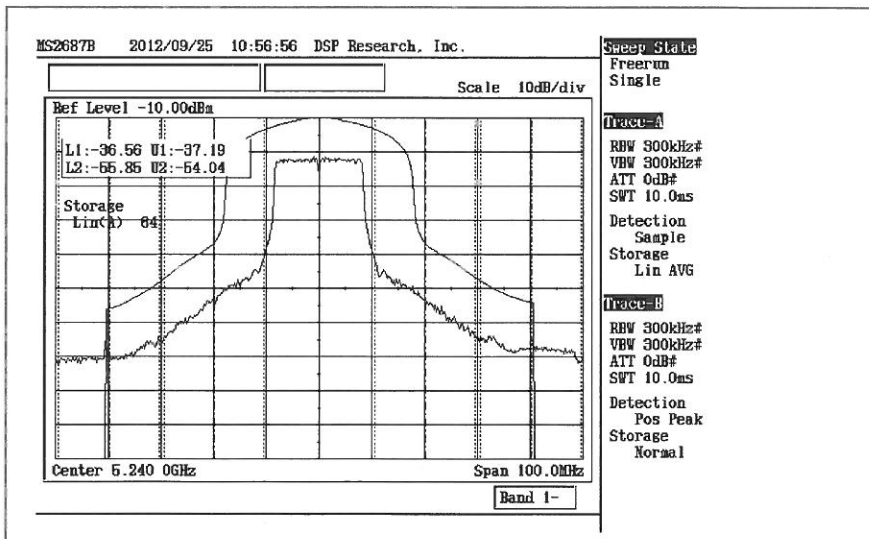
* Phone: +1-415-563-3777, Fax: +1-415-409-1420

5A.4. Adjacent Channel Leakage Power

Channel36: 5180MHz



Channel48: 5240MHz



****Japanese Regulation****

- ***Adjacent Channel Leakage Power (± 40 MHz) shall be -40 dB or less.***
- ***Adjacent Channel Leakage Power (± 20 MHz) shall be -25 dB or less.***

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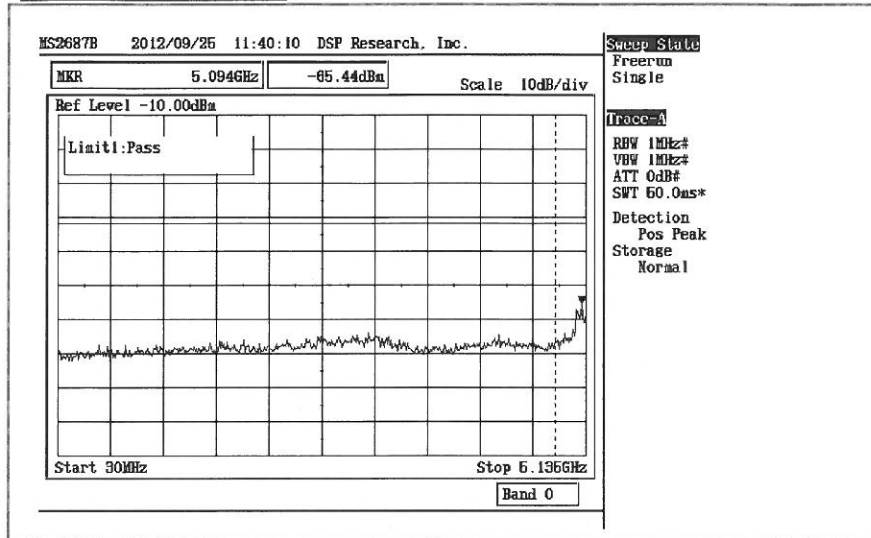
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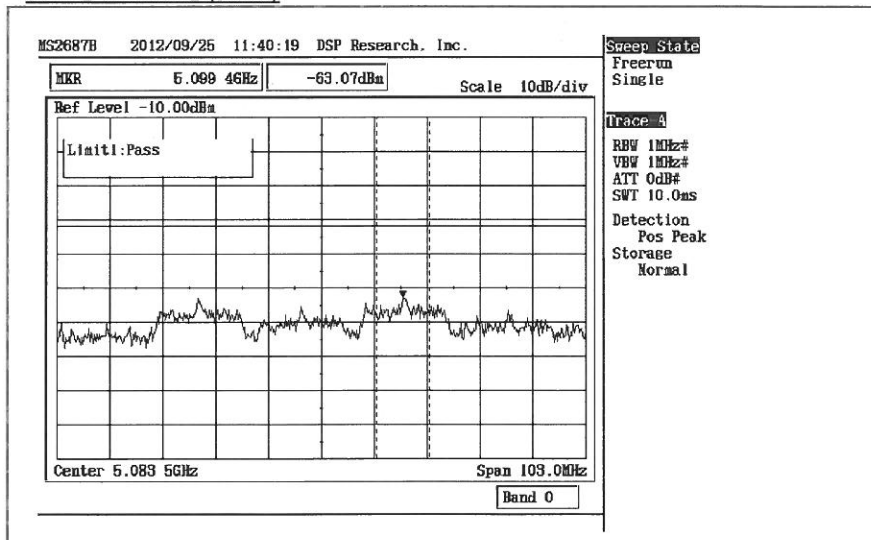
5A.5. Unwanted Emission Strength

Channel36: 5180MHz①

30MHz-5135MHz (Search)



30MHz-5135MHz (Detail)



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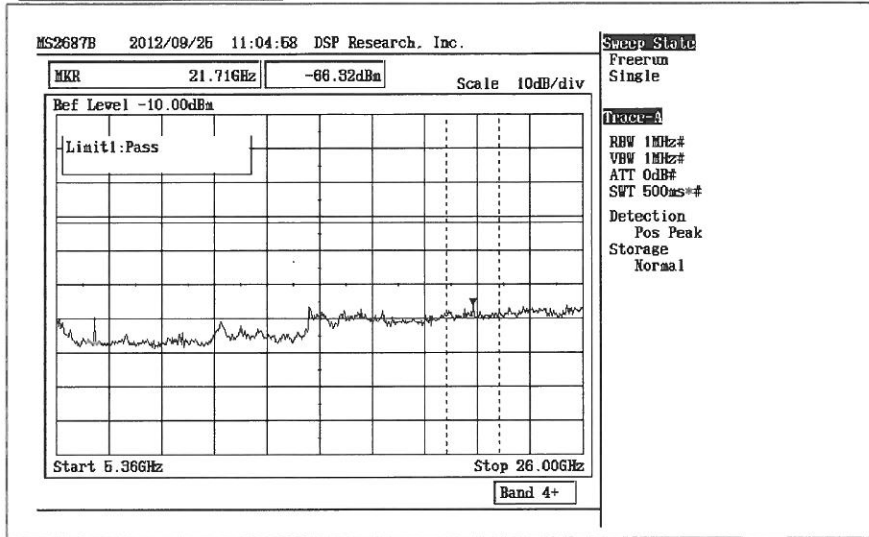
* Phone: +81-78-940-0377, Fax: +81-78-940-0378

U.S.A. Office: 1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.

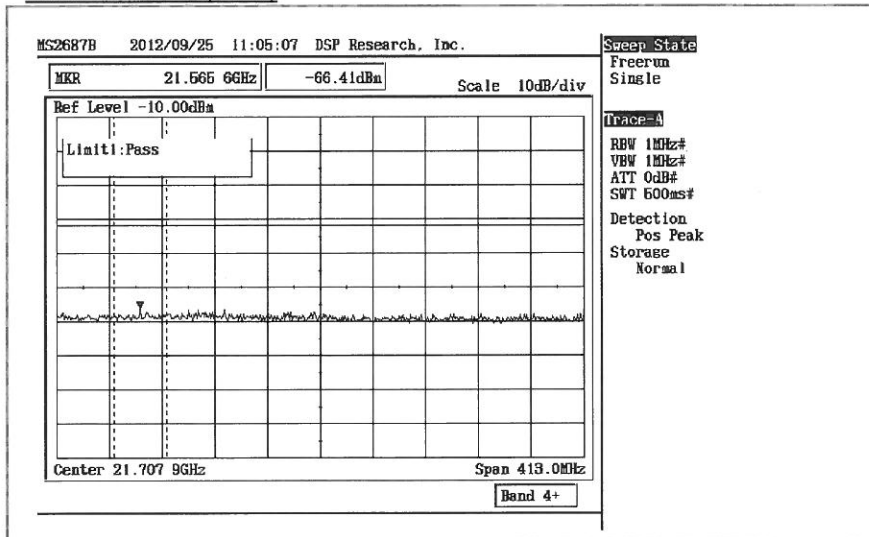
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Channel36: 5180MHz②

5365MHz-26GHz (Search)



5365MHz-26GHz (Detail)



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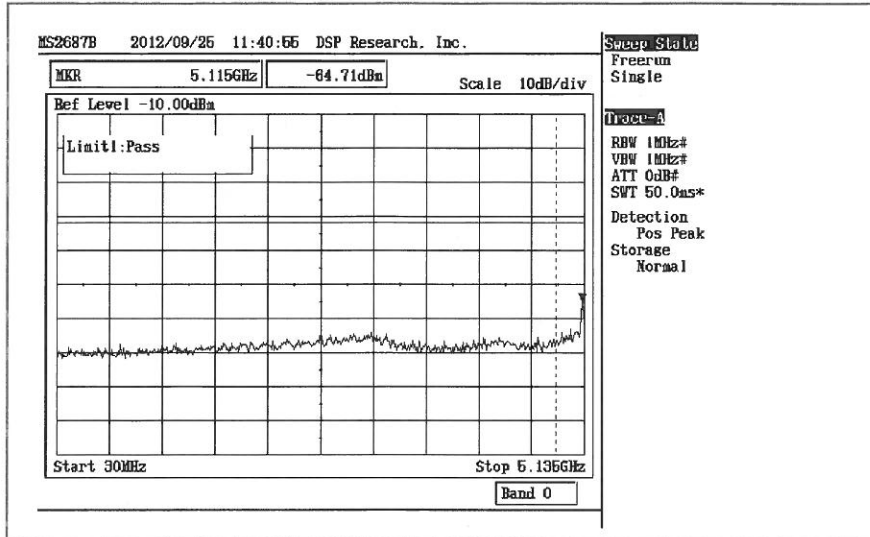
* Phone: +81-78-940-0377, Fax: +81-78-940-0378

U.S.A. Office: 1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.

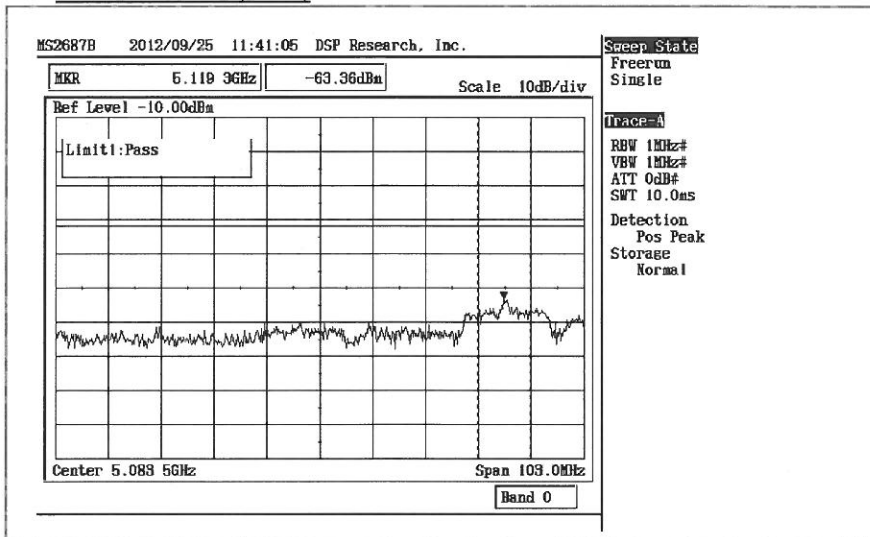
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Channel48: 5240MHz①

30MHz-5135MHz (Search)



30MHz-5135MHz (Detail)



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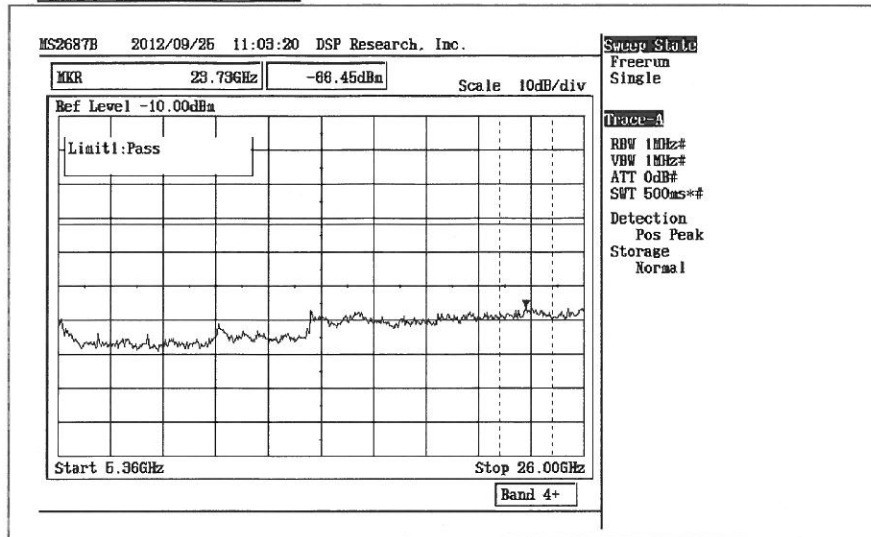
* Phone: +81-78-940-0377, Fax: +81-78-940-0378

U.S.A. Office: 1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.

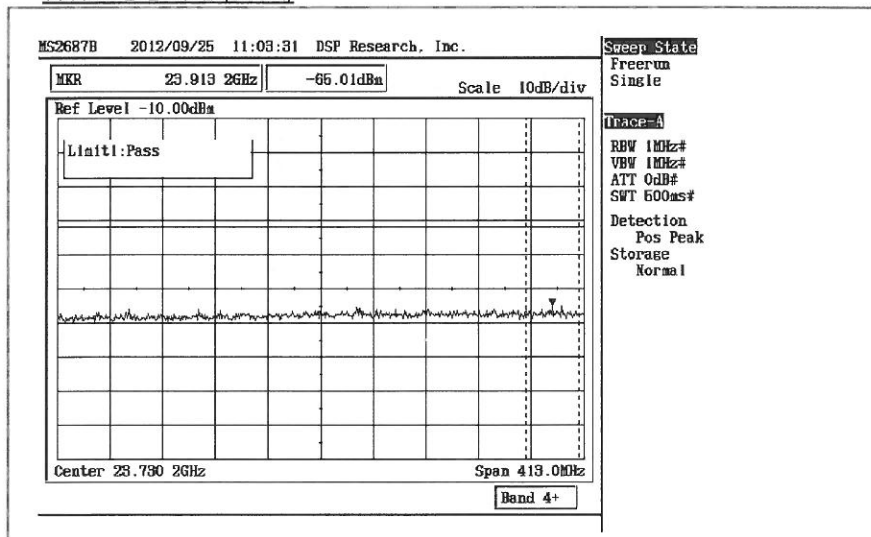
* Phone: +1-415-563-3777, Fax: +1-415-409-1420

Channel48: 5240MHz②

5365MHz-26GHz (Search)



5365MHz-26GHz (Detail)



****Japanese Regulation****

- * Spurious Emission shall be 2.5 μW/MHz or less. (30MHz - 5135MHz, 5365MHz - 26GHz)*

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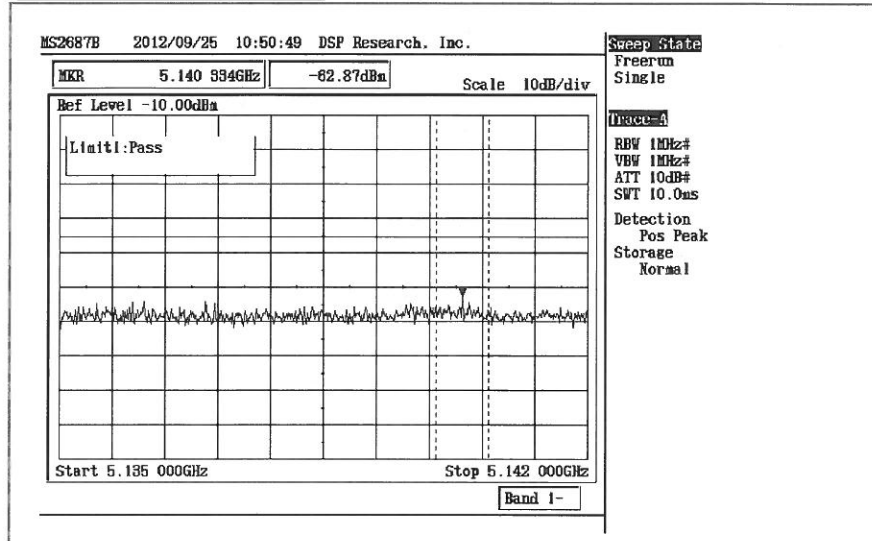
U.S.A. Office: 1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.

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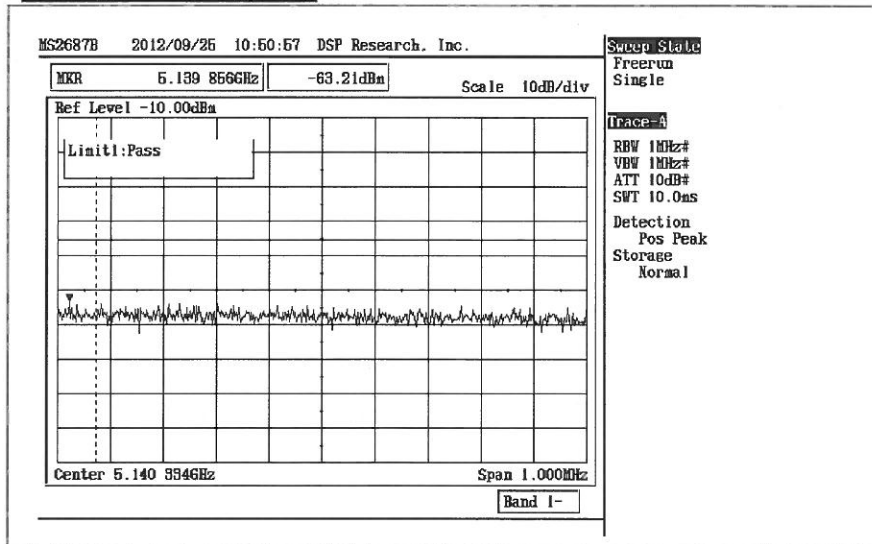
5A.6. Out-band Leakage Power

Channel36: 5180MHz①

5135MHz - 5142MHz (Search)



5135MHz - 5142MHz (Detail)



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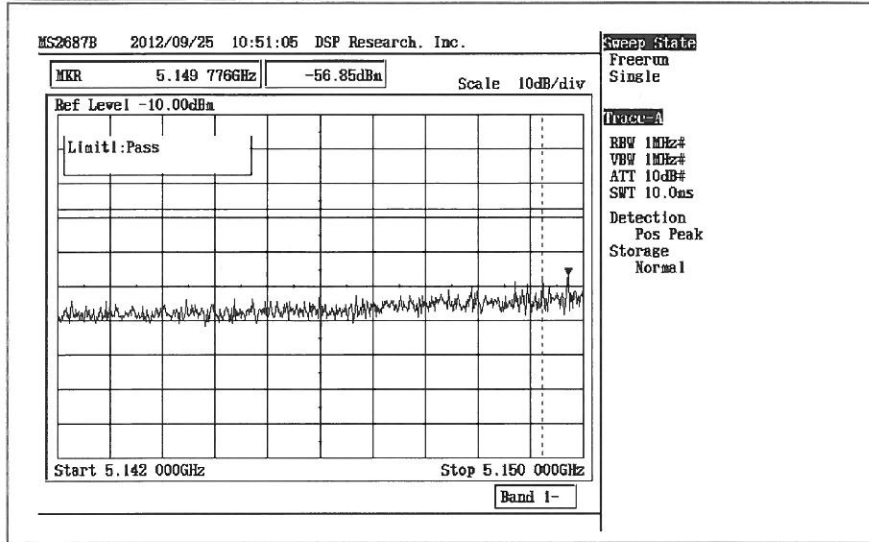
* Phone: +81-78-940-0377, Fax: +81-78-940-0378

U.S.A. Office: 1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.

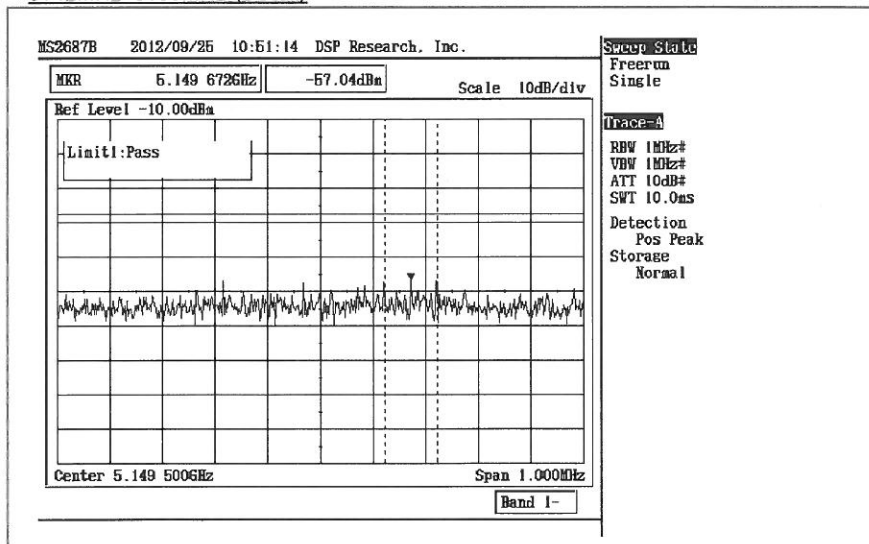
* Phone: +1-415-563-3777, Fax: +1-415-409-1420

Channel36: 5180MHz②

5142MHz - 5150MHz (Search)



5142MHz-5150MHz (Detail)



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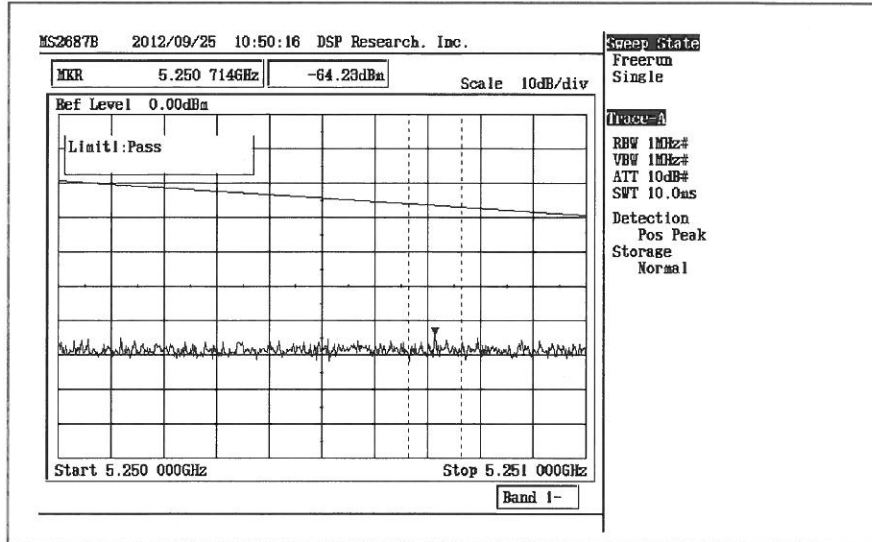
* Phone: +81-78-940-0377, Fax: +81-78-940-0378

U.S.A. Office: 1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.

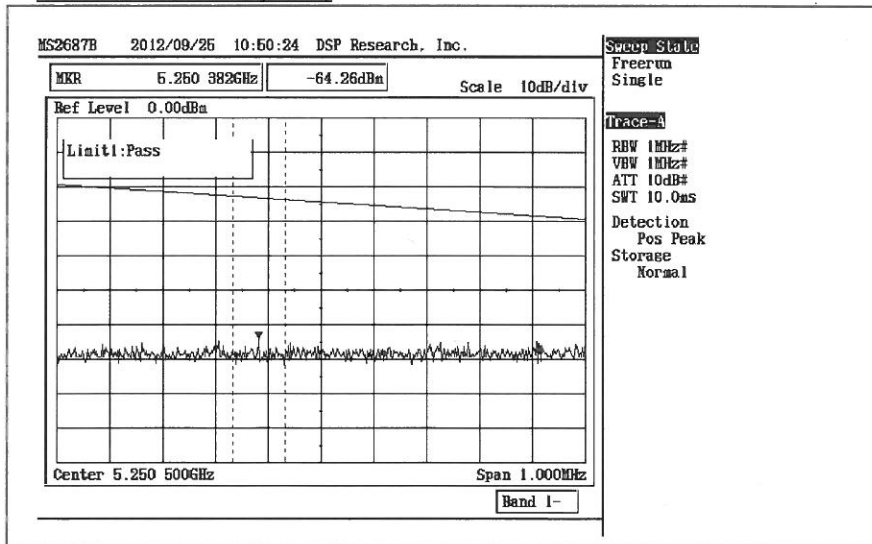
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Channel36: 5180MHz③

5250MHz - 5251MHz (Search)



5250MHz - 5251MHz (Detail)



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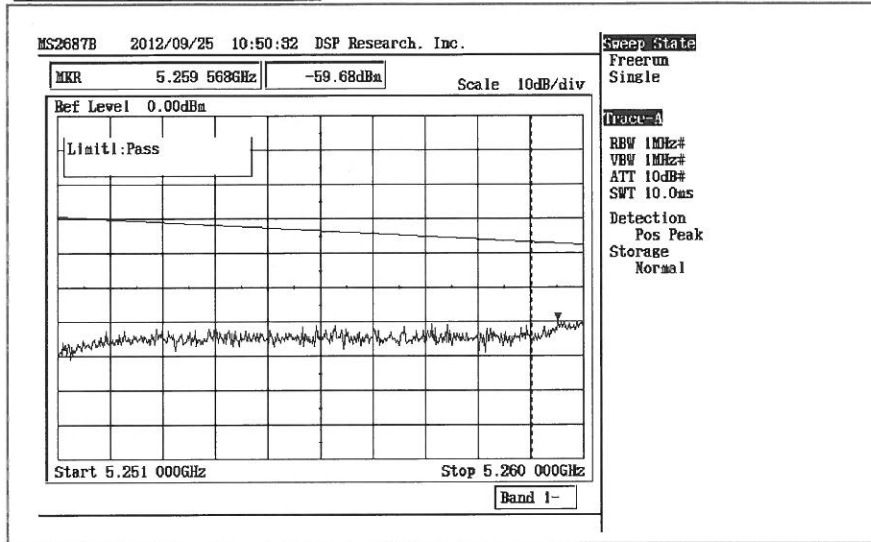
* Phone: +81-78-940-0377, Fax: +81-78-940-0378

U.S.A. Office: 1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.

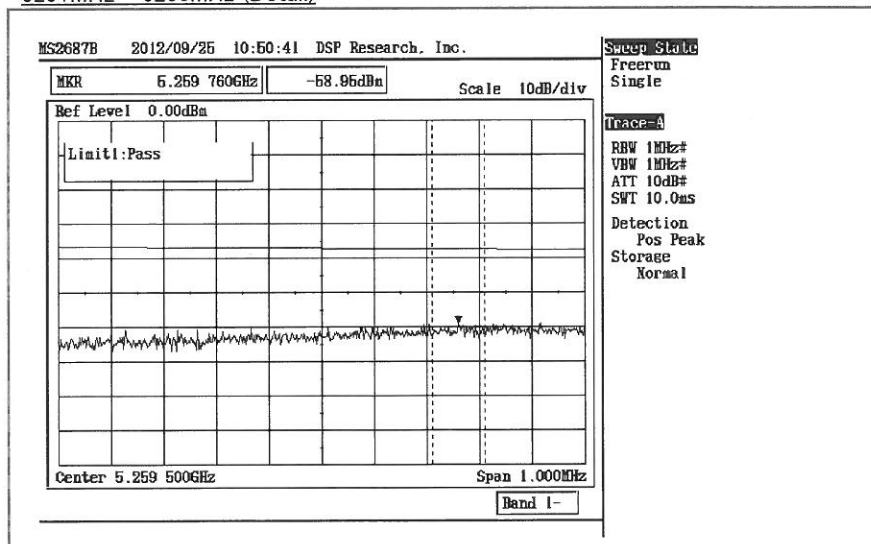
* Phone: +1-415-563-3777, Fax: +1-415-409-1420

Channel36: 5180MHz④

5251MHz - 5260MHz (Search)



5251MHz - 5260MHz (Detail)

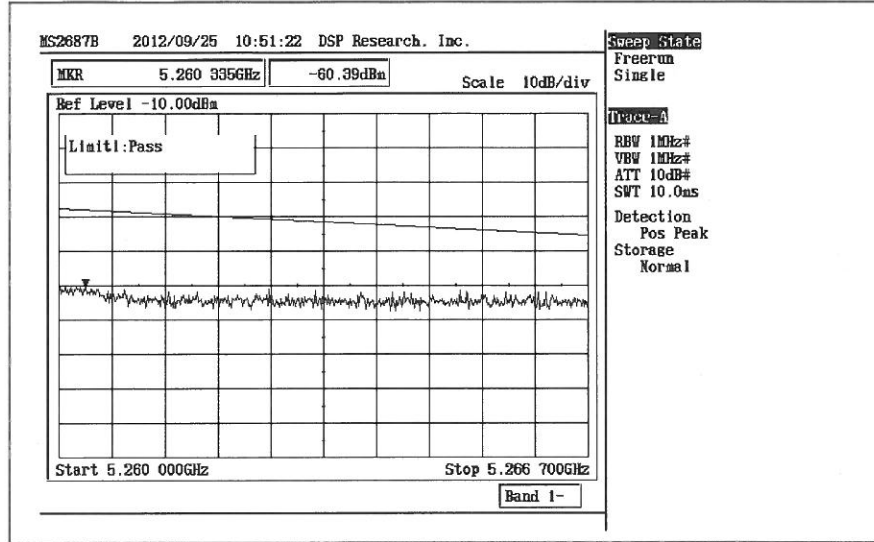


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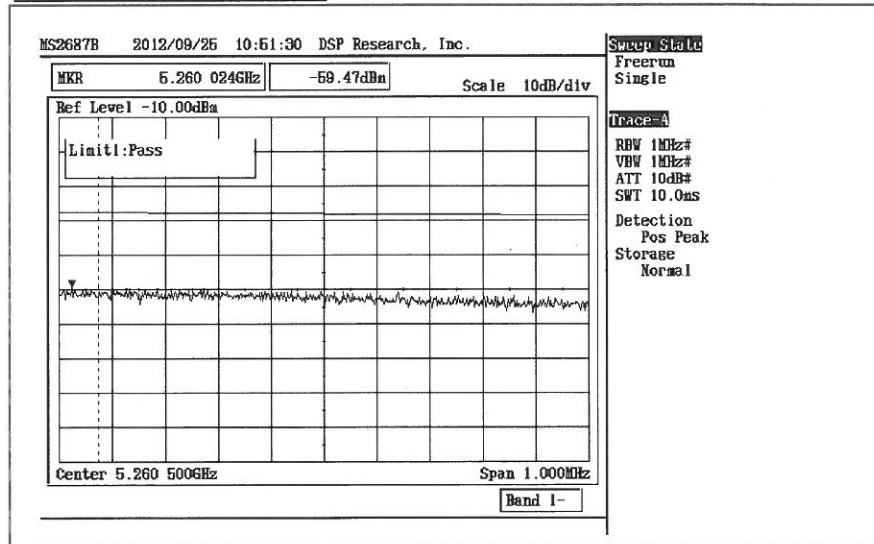
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Channel36: 5180MHz⑤

5260MHz – 5266.7MHz (Search)



5260MHz – 5266.7MHz (Detail)



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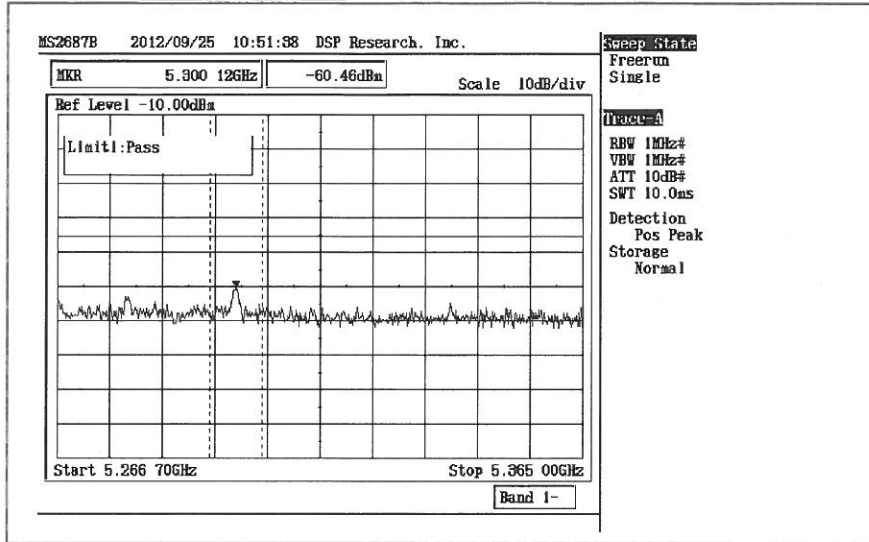
* Phone: +81-78-940-0377, Fax: +81-78-940-0378

U.S.A. Office: 1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.

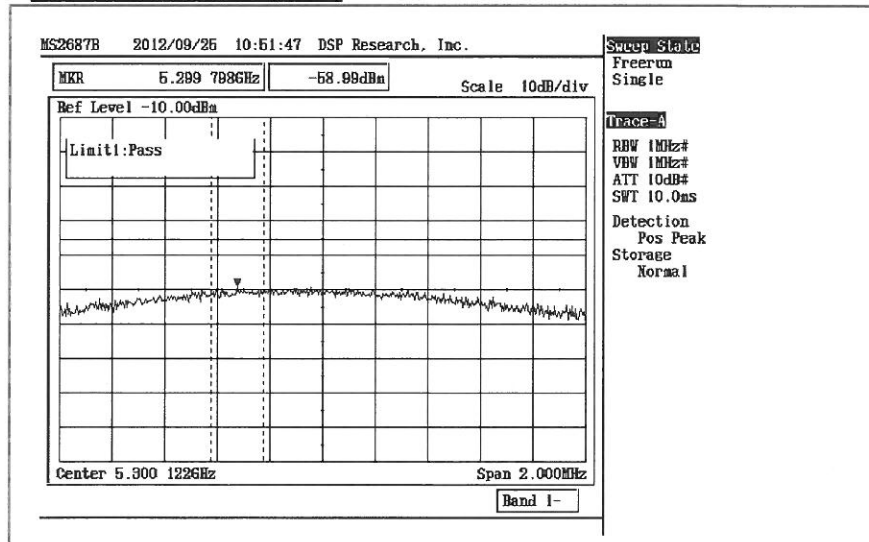
* Phone: +1-415-563-3777, Fax: +1-415-409-1420

Channel36: 5180MHz⑥

5266.7MHz - 5365MHz (Search)



5266.7MHz - 5365MHz (Detail)



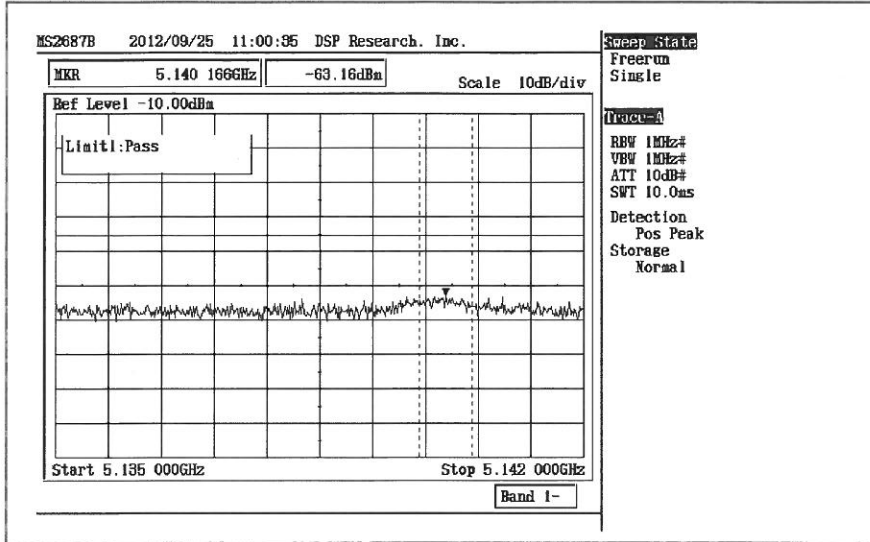
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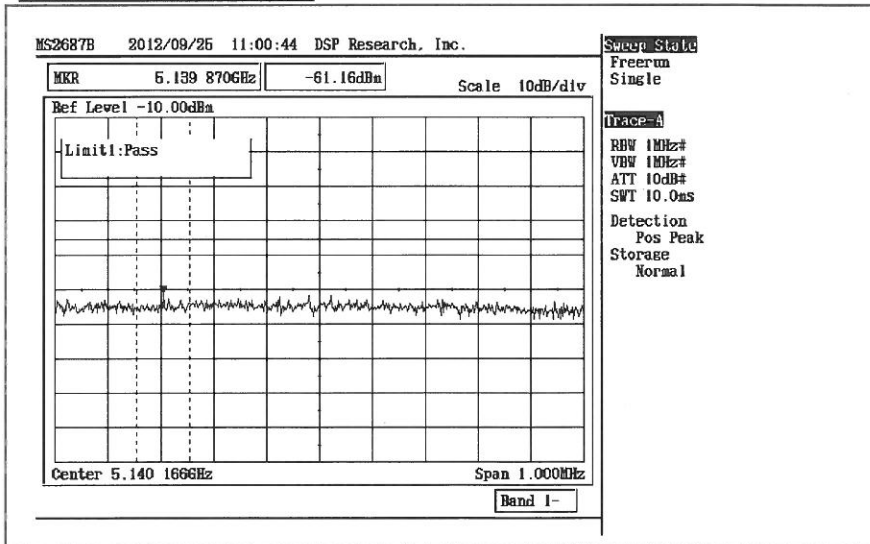
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Channel48: 5240MHz①

5135MHz - 5142MHz (Search)



5135MHz - 5142MHz (Detail)



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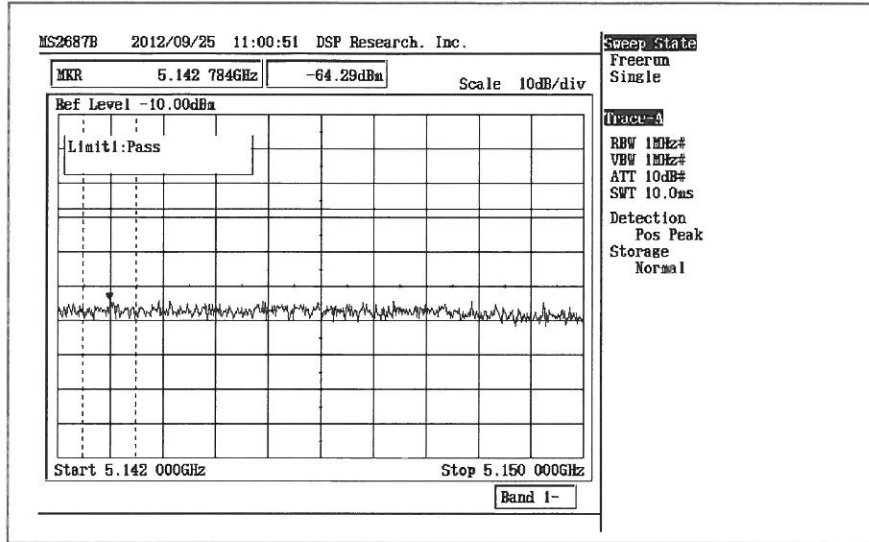
* Phone: +81-78-940-0377, Fax: +81-78-940-0378

U.S.A. Office: 1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.

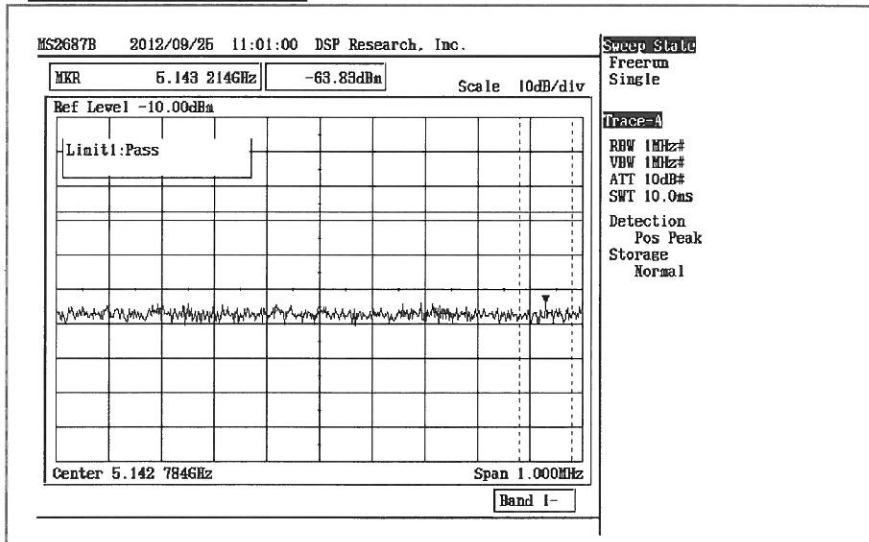
* Phone: +1-415-563-3777, Fax: +1-415-409-1420

Channel48: 5240MHz②

5142MHz - 5150MHz (Search)



5142MHz-5150MHz (Detail)



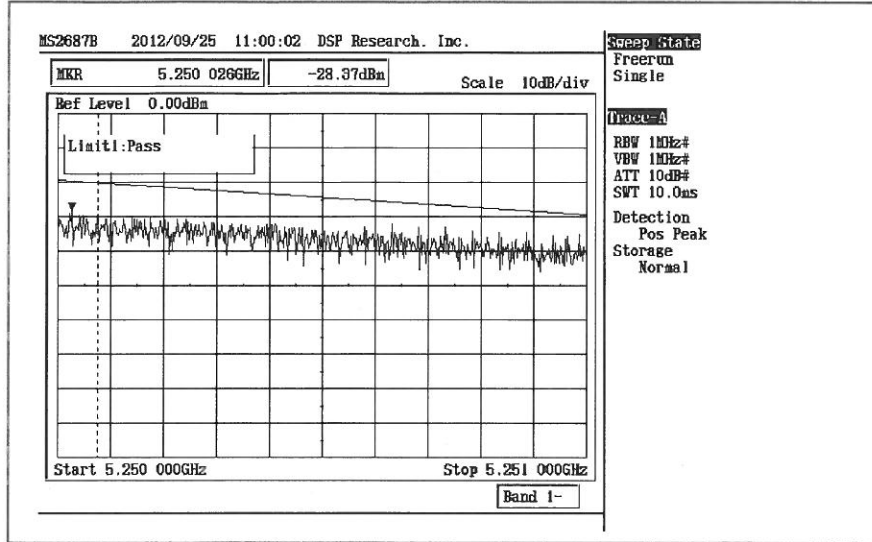
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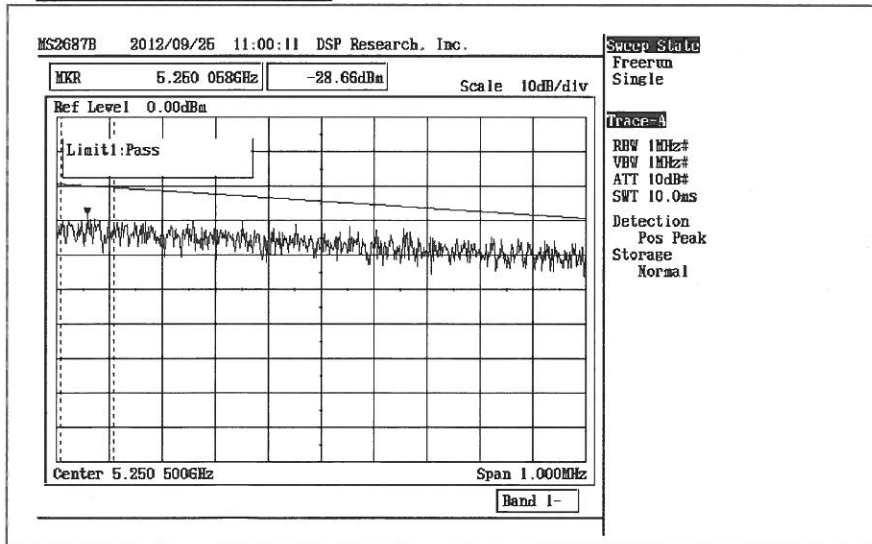
U.S.A. Office: 1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.
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Channel48: 5240MHz③

5250MHz - 5251MHz (Search)



5250MHz - 5251MHz (Detail)



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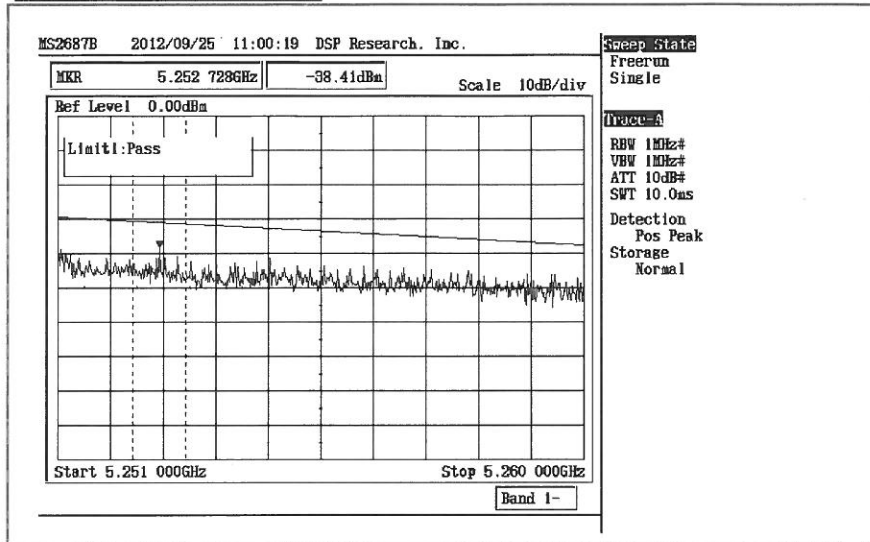
* Phone: +81-78-940-0377, Fax: +81-78-940-0378

U.S.A. Office: 1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.

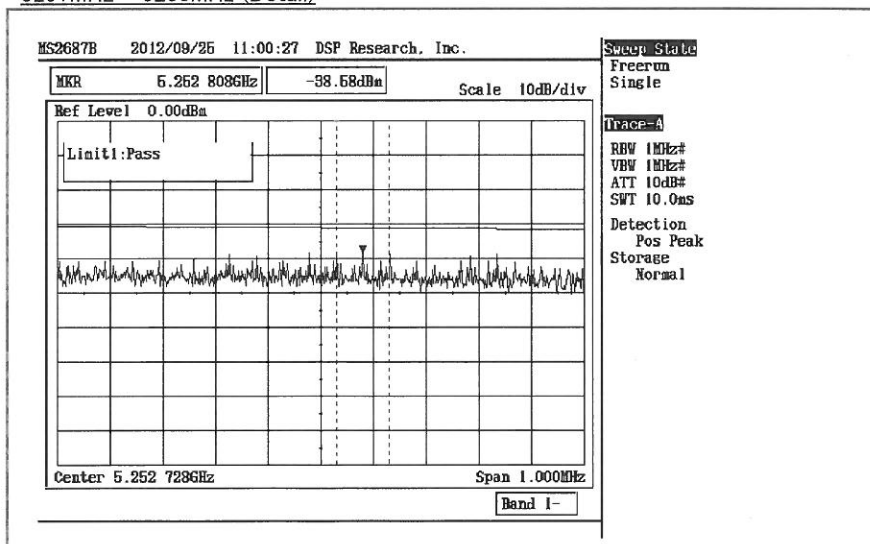
* Phone: +1-415-563-3777, Fax: +1-415-409-1420

Channel48: 5240MHz④

5251MHz - 5260MHz (Search)



5251MHz - 5260MHz (Detail)



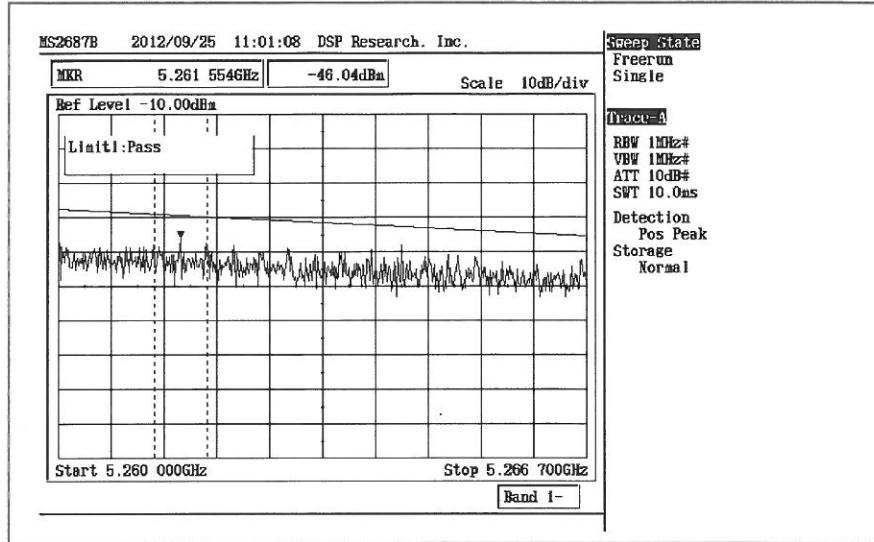
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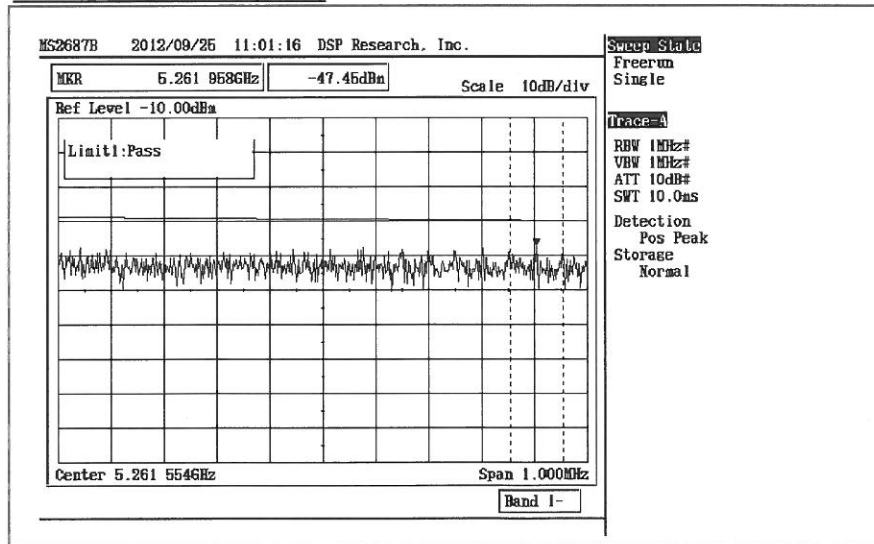
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Channel48: 5240MHz⑤

5260MHz - 5266.7MHz (Search)



5260MHz - 5266.7MHz (Detail)



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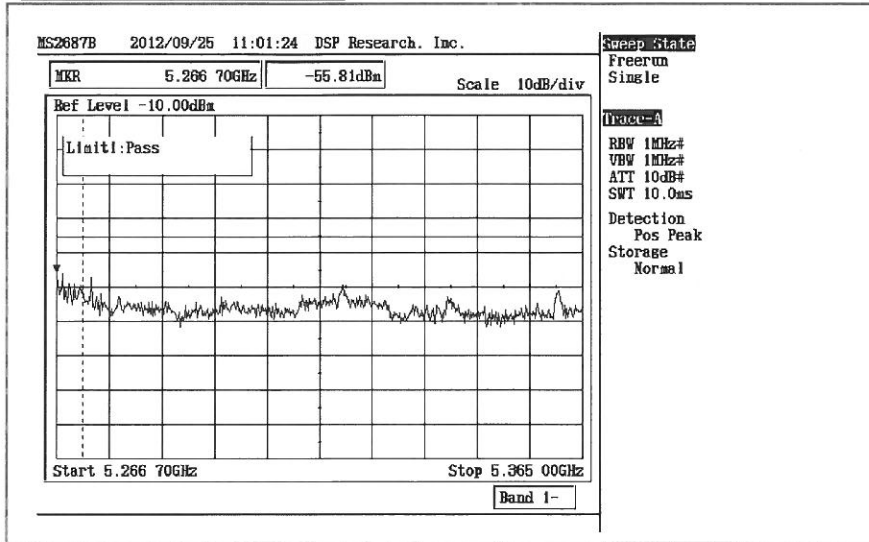
* Phone: +81-78-940-0377, Fax: +81-78-940-0378

U.S.A. Office: 1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.

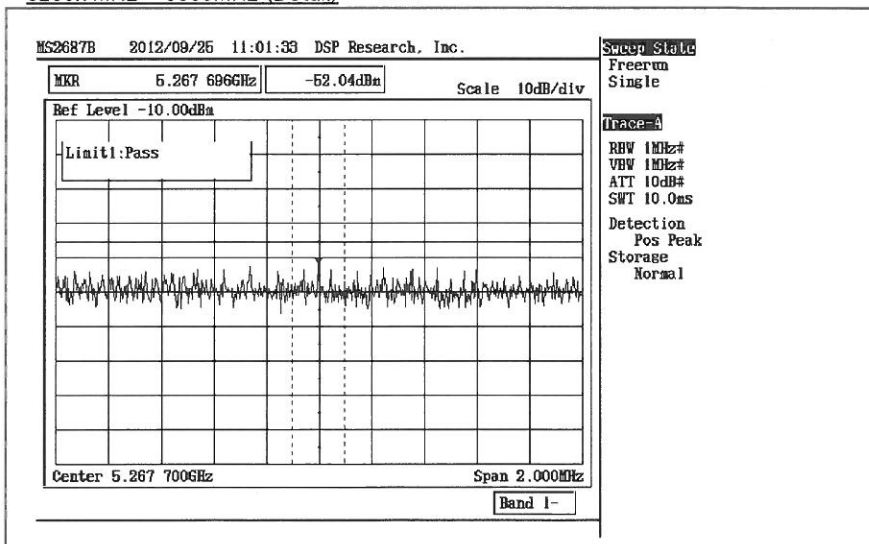
* Phone: +1-415-563-3777, Fax: +1-415-409-1420

Channel48: 5240MHz⑥

5266.7MHz - 5365MHz (Search)



5266.7MHz - 5365MHz (Detail)



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 * Phone: +1-415-563-3777, Fax: +1-415-409-1420

Japanese Regulation

- *5135 – 5142MHz → 2.5 μ W/MHz or below.*
- *5142 – 5150MHz → 15 μ W/MHz or below.*
- *5250 – 5251MHz → Min. 100 μ W/MHz or below, Max. 1000 μ W/MHz.*
- *5251 – 5260MHz → Min. 15.848 μ W/MHz or below, Max. 100 μ W/MHz.*
- *5260 – 5266.7MHz → Min. 2.488 μ W/MHz or below, Max. 15.848 μ W/MHz.*
- *5266.7 – 5365MHz → 2.5 μ W/MHz or below.*

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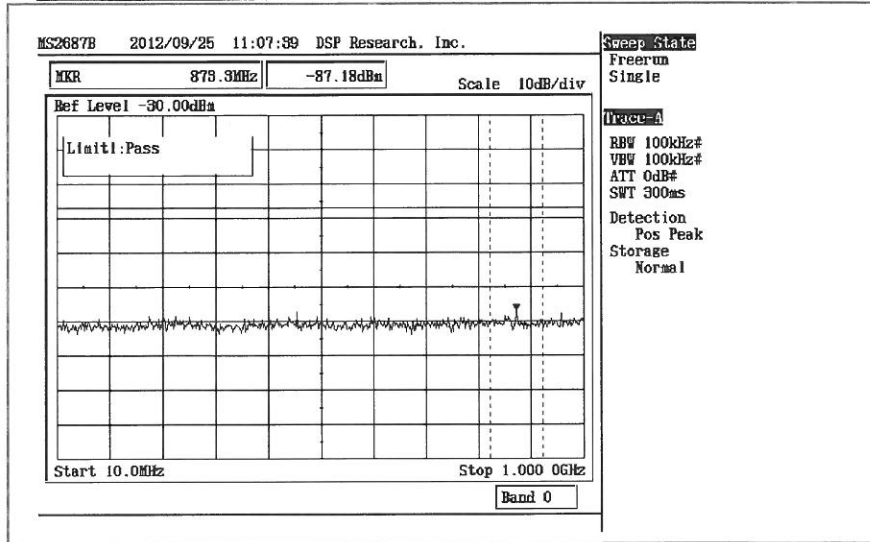
Japan Office & Lab: 1-4-3 Minatojima Minamimachi Chuo-ku Kobe City Hyogo 650-0047 Japan
* Phone: +81-78-940-0377, Fax: +81-78-940-0378

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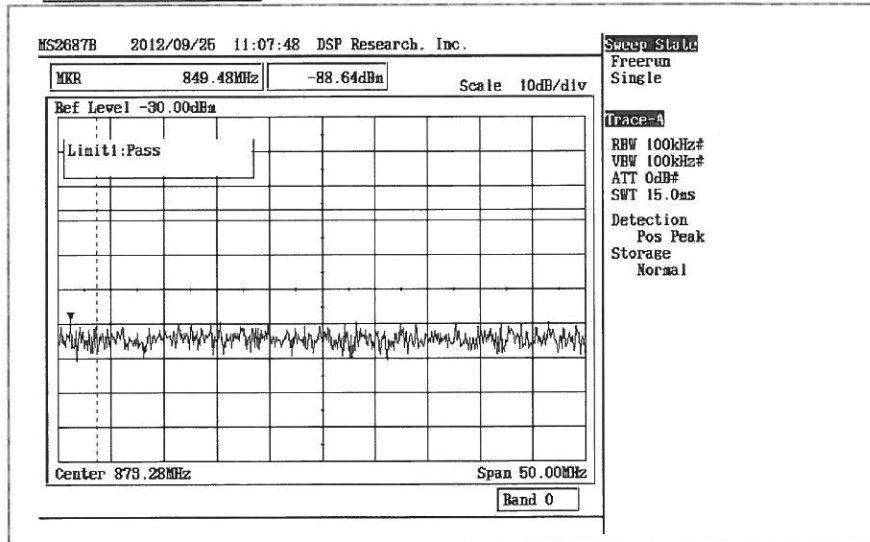
5A.7. Secondly Emitted Radio Wave Strength

Channel36: 5180MHz①

10MHz-1GHz (Search)



10MHz-1GHz (Detail)



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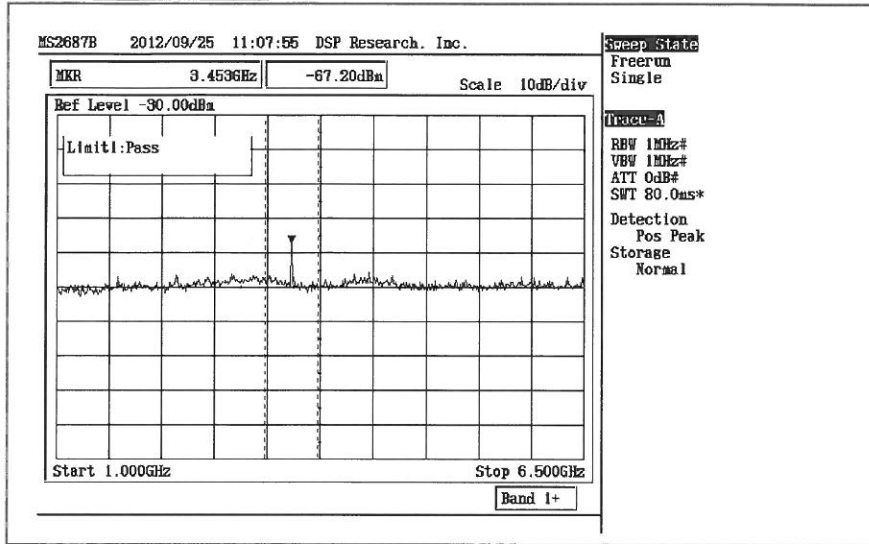
* Phone: +81-78-940-0377, Fax: +81-78-940-0378

U.S.A. Office: 1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.

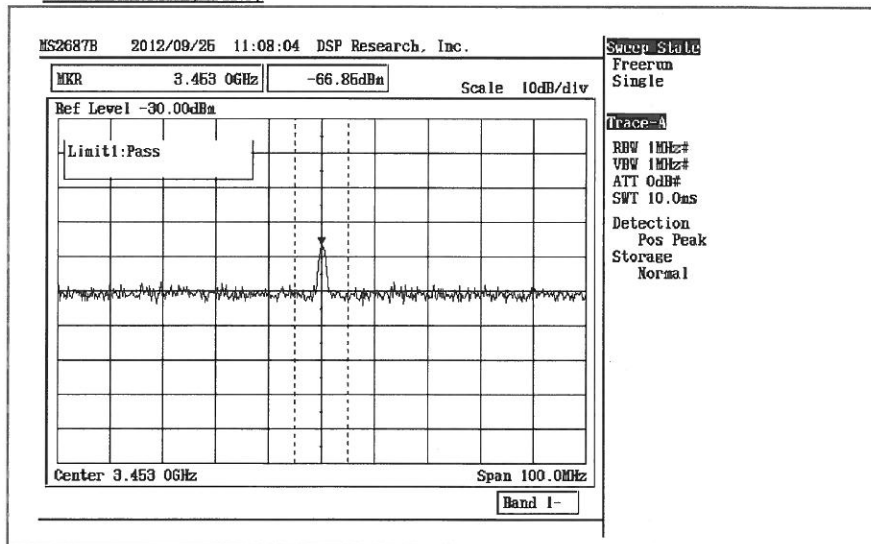
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Channel36: 5180MHz②

1GHz-6.5GHz (Search)



1GHz-6.5GHz (Detail)



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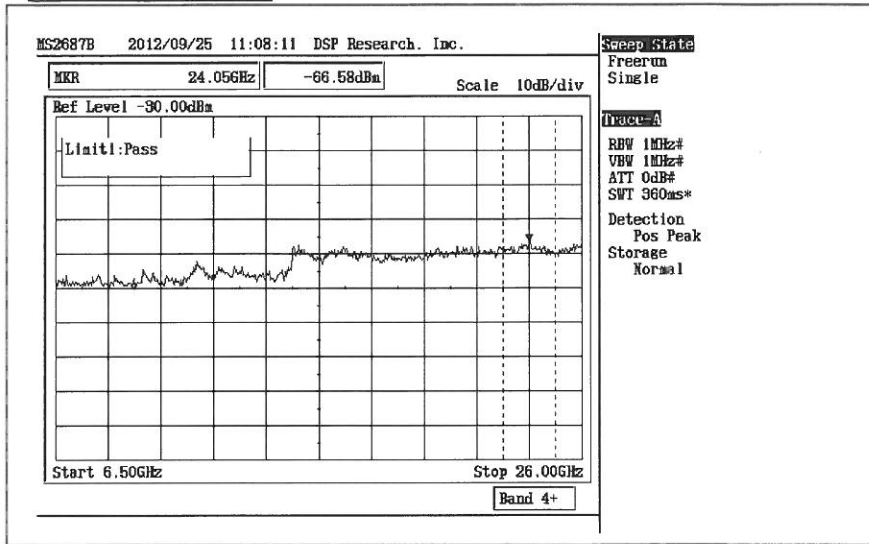
U.S.A. Office:

1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.

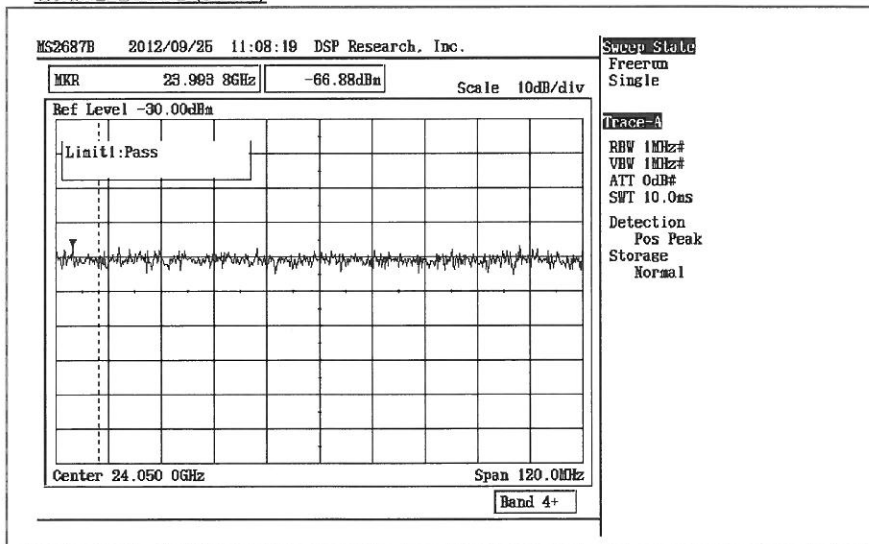
* Phone: +1-415-563-3777, Fax: +1-415-409-1420

Channel36: 5180MHz③

6.5GHz-26GHz (Search)



6.5GHz-26GHz (Detail)

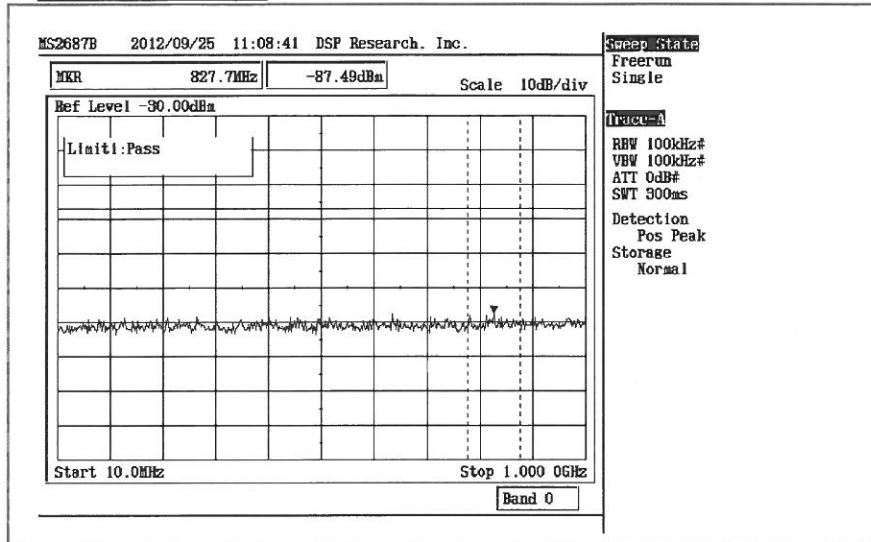


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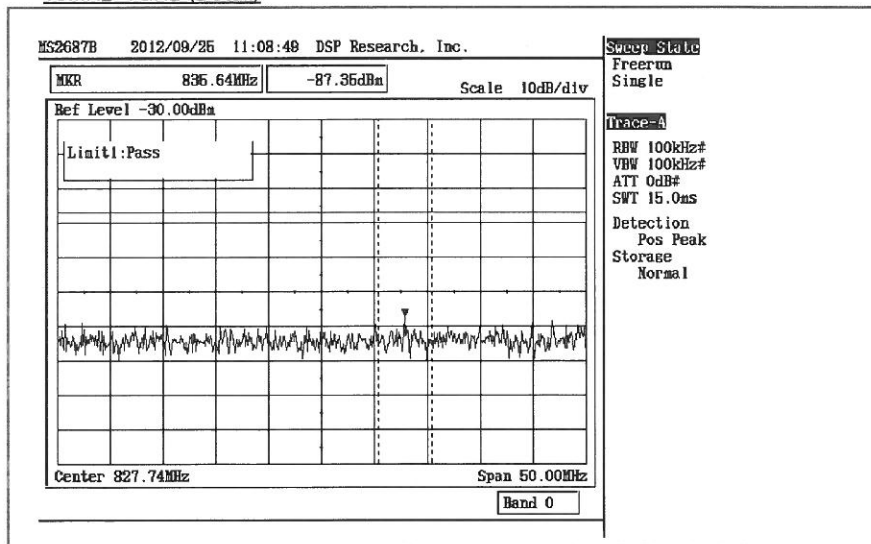
Japan Office & Lab: 1-4-3 Minatojima Minamimachi Chuo-ku Kobe City Hyogo 650-0047 Japan
 * Phone: +81-78-940-0377, Fax: +81-78-940-0378
 U.S.A. Office: 1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.
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Channel48: 5240MHz①

10MHz-1GHz (Search)



10MHz-1GHz (Detail)



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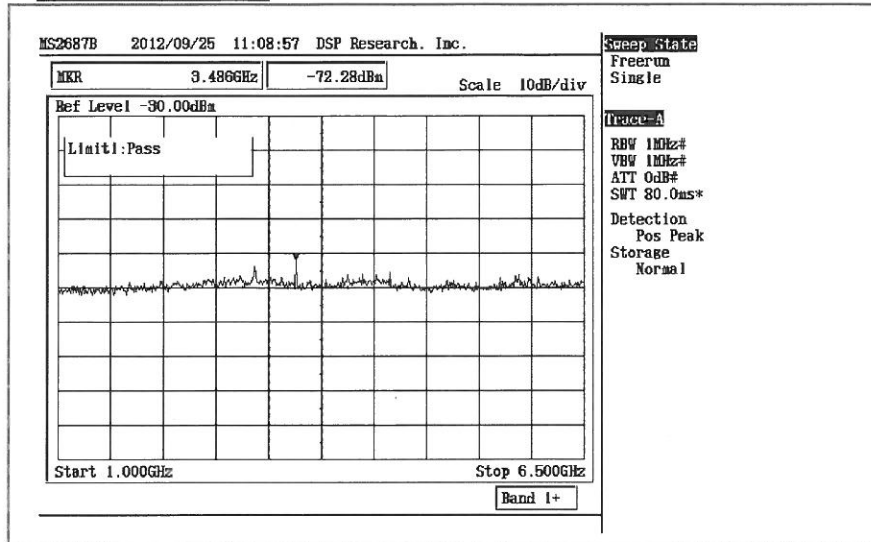
* Phone: +81-78-940-0377, Fax: +81-78-940-0378

U.S.A. Office: 1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.

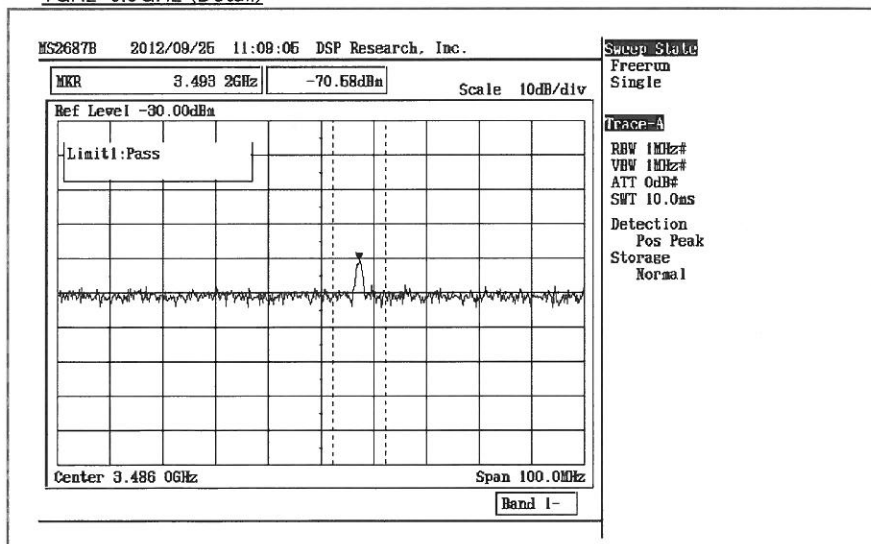
* Phone: +1-415-563-3777, Fax: +1-415-409-1420

Channel48: 5240MHz②

1GHz-6.5GHz (Search)



1GHz-6.5GHz (Detail)



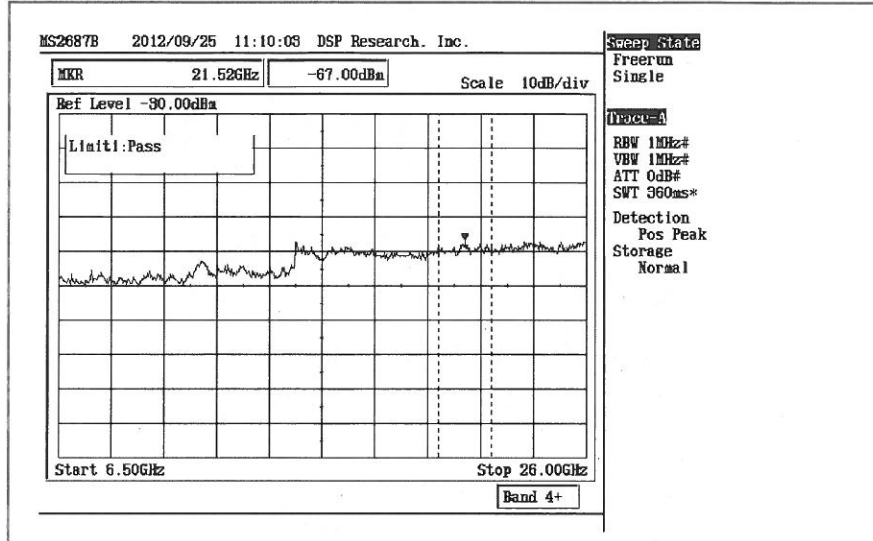
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 * Phone: +81-78-940-0377, Fax: +81-78-940-0378

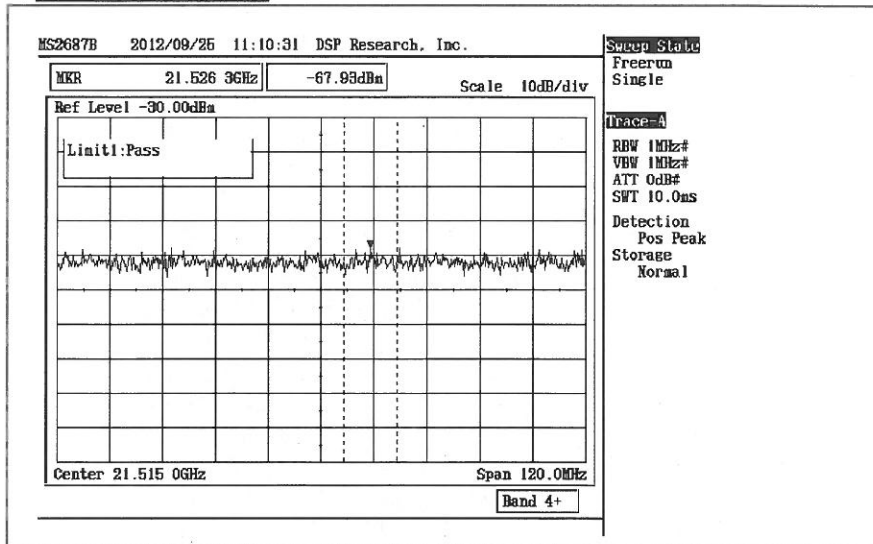
U.S.A. Office: 1388 Sutter Street, Suite 1205, San Francisco, CA 94109, U.S.A.
 * Phone: +1-415-563-3777, Fax: +1-415-409-1420

Channel48: 5240MHz③

6.5GHz-26GHz (Search)



6.5GHz-26GHz (Detail)



Japanese Regulation

- 1GHz under shall be 4nW or below.
- 1GHz over shall be 20nW or below.

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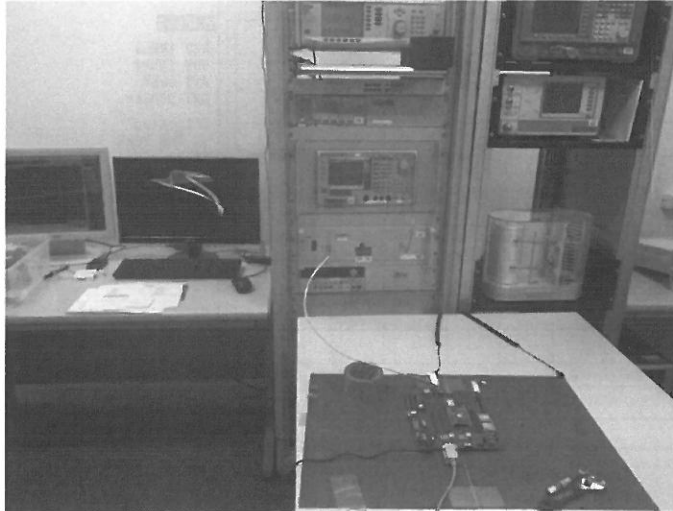
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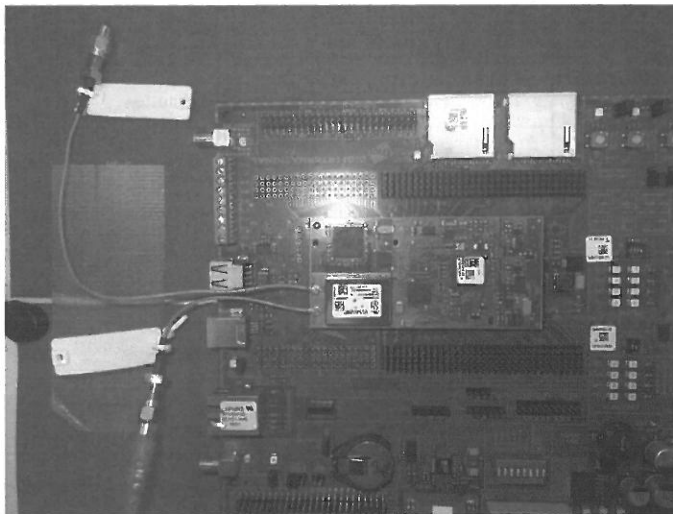
6. PHOTOGRAPHS

6.1. Test Conditions Photographs

RF Measurement Photo



Conducted Measurement Photo



End Of Report

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