

Report No.: KSCR211000018402

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TEST REPORT

Application No.: KSCR2110000184AT

FCC ID: VPYLB2AB IC: 772C-LB2AB

Applicant: Murata Manufacturing Co., Ltd.

Address of Applicant: 1-10-1, Higashikotari, Nagaokakyo-shi, Kyoto 617-8555 Japan

Manufacturer: Murata Manufacturing Co., Ltd.

Address of Manufacturer: 1-10-1, Higashikotari, Nagaokakyo-shi, Kyoto 617-8555 Japan

Factory: Shenzhen Murata Technology Co., Ltd.

Address of Factory: 15 Cuijing Road, Shenzhen Grand Industrial Zone, Pingshan District,

Shenzhen 518118 China

Equipment Under Test (EUT):

EUT Name: UWB+BLE Combo Module

Model No.: LBUA5QJ2AB

Trade mark: Murata

47 CFR Part 15, Subpart F Standard(s):

RSS-220 Issue 1, July 2018 Amendment 1

RSS-Gen Issue 5 Amendment 2 (February 2021)

2021-10-21 **Date of Receipt:**

Date of Test: 2021-10-21 to 2021-12-24

2022-03-04 Date of Issue:

Test Result: Pass*

Laboratory Manager

Ina fin



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^{*} In the configuration tested, the EUT complied with the standards specified above.



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Revision Record							
Version	Description	Date	Remark				
00	Original	2021-12-25	/				
01	Update	2022-03-04	Add Part 15.521 technical requirements on page3&11.				

Authorized for issue by:		
	Damon zhou	
	Damon Zhou / Project Engineer	
	Era fri	
	Eric Lin / Reviewer	



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2 Test Summary

Item	FCC Requirement	IC Requirement	Method	Result
Antenna Requirement	47 CFR Part 15, Subpart C Section 15.203 & Subpart F Section 15.519 (a)(2)	RSS-Gen Clause 6.8	ANSI C63.10 (2013)	PASS
UWB Bandwidth	47 CFR Part 15, Subpart F Section 15.503 (a)	RSS-220 Clause 5.1(a)	ANSI C63.10 (2013)	PASS
Dwell Time	47 CFR Part 15, Subpart F Section 15.519 (a)(1)	RSS-220 Clause 5.3.1(b)	ANSI C63.10 (2013)	PASS
Spurious Emissions	47 CFR Part 15, Subpart F Section 15.519 (c)(d) & 15.209 & 15.521(c)(d)(e)(h)	RSS-220 Clause 5.3.1(c) (d) (e	ANSI C63.10 (2013)	PASS
EIRP	47 CFR Part 15, Subpart F Section 15.519 (e) & 15.521(g)	RSS-220 Clause 5.3.1(g)	ANSI C63.10 (2013)	PASS
99% Bandwidth	1	RSS-Gen Section 6.7	ANSI C63.10 (2013)	PASS



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4 General Information

4.1 Details of E.U.T.

Power supply: DC 2.5V~3.6V

Test voltage: DC 3V
Product category: Hand held
Antenna Gain: Board 1:

Antenna 1(RX): 1.7dBi for 6489.6MHz; -0.9dBi for 7987.2MHz(Provided by

manufacturer)

Antenna 2(TX/RX): 1.8dBi for 6489.6MHz; -1.5dBi for 7987.2MHz(Provided by

manufacturer)

Board 2:

3.9dBi for 6489.6MHz; 2.8dBi for 7987.2MHz(Provided by manufacturer)

Antenna Type: Board 1: Antenna 1:PCB Antenna; Antenna 2:PCB Antenna

Board 2:PCB Antenna

Modulation Type: BPM+BPSK

Number of Channels: 2

Frequency range: 6489.6MHz to 7987.2MHz

Serial Number: Board 1: 09411594

Board 2: 09425885

Firmware Version: Board 1: V1.0.0

Board 2: V1.0.0

4.2 Power level setting using in test:

Frequency (MHz)		Board 1	Board 2
	6489.6	0x45454545	0x45454545
	7987.2	0x85858585	0x39393939

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
DC Power Supply	wer Supply Agilent E3632A		/
Laptop	Lenovo	ThinkPad X100e	/
Serial port adapter plate	/	Test Plate 3	/
SSCOM	/	/	/



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4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4 x 10 ⁻⁸
2	Timeout	2s
3	Duty Cycle	0.37%
4	Occupied Bandwidth	3%
5	RF Conducted Power	0.6dB
6	RF Power Density	2.9dB
7	Conducted Spurious Emissions	0.75dB
0	DE Dadiated Davier	5.2dB (Below 1GHz)
8	RF Radiated Power	5.9dB (Above 1GHz)
		4.2dB (Below 30MHz)
0	Dadieted Churieus Emissies Test	4.5dB (30MHz-1GHz)
9	Radiated Spurious Emission Test	5.1dB (1GHz-18GHz)
		5.4dB (Above 18GHz)
10	Temperature Test	1°C
11	Humidity Test	3%
12	Supply Voltages	1.5%
13	Time	3%

Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



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4.5 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

4.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• CNAS (No. CNAS L4354)

CNAS has accredited Compliance Certification Services (Kunshan) Inc. to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• A2LA (Certificate No. 2541.01)

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

• FCC (Designation Number: CN1172)

Compliance Certification Services Inc. has been recognized as an accredited testing laboratory.

Designation Number: CN1172.

• ISED (CAB identifier: CN0072)

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 2324E

• VCCI (Member No.: 1938)

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None



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5 Equipment List

Item	Equipment	Manufacturer	Model	Serial Number	Cal Date	Cal. Due Date
Con	ducted Emission at Mains Terminals (150	kHz-30MHz)				
1	EMI Test Receive	R&S	ESCI	100781	02/01/2021	01/31/2022
2	LISN	R&S	ENV216	101604	10/12/2021	10/11/2022
3	LISN	Schwarzbeck	NNLK 8129	8129-143	10/12/2021	10/11/2022
4	Pulse Limiter	R&S	ESH3-Z2	100609	02/01/2021	01/31/2022
5	CE test Cable	Thermax	/	14	10/16/2021	10/15/2022
6	Test Software	Farad	EZ-EMC	CCS-03A1	N.C.R	N.C.R
RF (Conducted Test					
1	Spectrum Analyzer	Agilent	E4446A	MY44020154	04/16/2021	04/15/2022
2	Spectrum Analyzer	Keysight	N9020A	MY55370209	10/11/2021	10/10/2022
3	Spectrum Analyzer	Keysight	N9010A	MY56480443	02/01/2021	01/31/2022
4	Signal Generator	Agilent	N5182A	MY50142015	08/27/2021	08/26/2022
5	Radio Communication Test Station	Anritsu	MT8000A	6262012849	N/A	N/A
6	Radio Communication Analyzer	Anritsu	MT8821C	6201692222	N/A	N/A
7	Universal Radio Communication Tester	R&S	CMW500	159275	10/12/2021	10/11/2022
8	Universal Radio Communication Tester	R&S	CMW500	167239	04/16/2021	04/15/2022
9	Power Meter	Anritsu	ML2495A	1445010	04/15/2021	04/14/2022
10	Switcher	CCSRF	FY562	KUS2001M001 -3	10/12/2021	10/11/2022
11	AC Power Source	EXTECH	6605	1570106	N.C.R	N.C.R
12	DC Power Supply	Aglient	E3632A	MY50340053	N.C.R	N.C.R
13	6dB Attenuator	Mini-Circuits	NAT-6-2W	15542-1	N.C.R	N.C.R
14	Power Divider	AISI	IOWOPE2068	PE2068	N.C.R	N.C.R
15	Filter	MICRO-TRONICS	BRM50701	5	N.C.R	N.C.R
16	Conducted test cable	/	RF01-RF04	/	04/15/2021	04/14/2022
17	Software	BST	TST-PASS	N/A	N/A	N/A
18	Temp. / Humidity Chamber	TERCHY	MHK-120AK	X30109	04/15/2021	04/14/2022
19	Thermometer	Anymetre	TH603	CCS007	10/14/2021	10/13/2022
RF R	adiated Test					
1	Spectrum Analyzer	R&S	FSV40	101493	10/11/2021	10/10/2022
2	Signal Generator	Agilent	E8257C	MY43321570	10/18/2021	10/17/2022
3	Loop Antenna	Schwarzbeck	HXYZ9170	9170-108	02/22/2021	02/21/2022
4	Bilog Antenna	TESEQ	CBL 6112D	35403	06/21/2021	06/20/2023
5	Bilog Antenna	SCHWARZBECK	VULB9160	9160-3342	04/13/2021	04/12/2023
6	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	267	10/26/2020	10/25/2022
7	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	00143290	02/22/2021	02/21/2023
8	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	BBHA9170171	02/22/2021	02/21/2022
9	Pre-Amplifier(30MHz~18GHz)	LNA	/	/	04/15/2021	04/14/2022
10	Amplifier(18~40GHz)	COM-POWER	PAM-840A	461332	10/18/2021	10/17/2022
11	Low Pass Filter	MICRO-TRONICS	VLFX-950	RV142900829	N.C.R	N.C.R
12	High Pass Filter	Mini-Circuits	VHF-1200	15542	N.C.R	N.C.R
13	Filter (5450MHz~5770 MHz)	MICRO-TRONICS	BRC50704-01	2	N.C.R	N.C.R



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14	Filter (5690 MHz~5930 MHz)	MICRO-TRONICS	BRC50705-01	4	N.C.R	N.C.R
15	Filter (5150 MHz~5350 MHz)	MICRO-TRONICS	BRC50703-01	2	N.C.R	N.C.R
16	Filter (885 MHz~915 MHz)	MICRO-TRONICS	BRM14698	1	N.C.R	N.C.R
17	Filter (815 MHz~860 MHz)	MICRO-TRONICS	BRM14697	1	N.C.R	N.C.R
18	Filter (1745 MHz~1910 MHz)	MICRO-TRONICS	BRM14700	1	N.C.R	N.C.R
19	Filter (1922 MHz \sim 1977 MHz)	MICRO-TRONICS	BRM50715	1	N.C.R	N.C.R
20	Filter (2550 MHz)	MICRO-TRONICS	HPM13362	5	N.C.R	N.C.R
21	Filter (1532 MHz \sim 1845 MHz)	MICRO-TRONICS	BRM50713	1	N.C.R	N.C.R
22	Filter (2.4GHz)	MICRO-TRONICS	BRM50701	5	N.C.R	N.C.R
23	RE test cable	/	RE01-RE04	/	04/15/2021	04/14/2022
24	Software	Faratronic	EZ_EMC-v 3A1	N/A	N/A	N/A



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.519(a)(2); RSS-Gen Clause 6.8

6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.519(a) (2) requirement:

The use of antennas mounted on outdoor structures, e.g., antennas mounted on the outside of a building or on a telephone pole, or any fixed outdoors infrastructure is prohibited. Antennas may be mounted only on the hand held UWB device.

RSS 220 Clause 5.1 requirement:

The antenna of the UWB device shall be factory-installed and shall not be made modifiable by users.

EUT Antenna:

The antennas for Board 1 are PCB antennas and no consideration of replacement. The gains of antenna are 1.8dBi at 6489.6MHz and -1.7dBi at 7987.2MHz.

The antenna for Board 2 is PCB antenna and no consideration of replacement. The gains of antennas are 1.8dBi at 6489.6MHz and -1.7dBi at 7987.2MHz.

Antenna location: Refer to Appendix (Internal Photos)



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7 Radio Spectrum Matter Test Results

7.1 Radiated Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart F Section 15.519 (c)(d) & 15.209 & 15.521 (c)(d)(e)(g)(h)

RSS-220 Clause 5.3.1(c) (d) (e)

Test Method: ANSI C63.10: 2013

Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
·	0.009MHz-0.090MHz		10kHz	30kHz	Peak
	0.009MHz-0.090MHz		10kHz	30kHz	Average
	0.090MHz-0.110MHz		10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	· · · · · · · · · · · · · · · · · · ·	10kHz	30kHz	Peak
	0.110MHz-0.490MHz		10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-960MHz	Quasi-peak Quasi-peak	100 kHz	300kHz	Quasi-peak Quasi-peak
	Above 960MHz	RMS	1MHz	3MHz	RMS
Limit For FCC	710070 3001711 12		T	OIVII IZ	
(Spurious Emissions)	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz-88MHz	100	40.0	Quasi-peak	3
	88MHz-216MHz	150	43.5	Quasi-peak	3
	216MHz-960MHz	200	46.0	Quasi-peak	3
	960MHz-1610MHz	-75.3 dBm (EIRP, RBW=1MHz)		RMS	3
	1610MHz-1990MHz	-63.3 dBm (RBW=1N		RMS	3
	1990MHz-3100MHz	-61.3 dBm (RBW=1N	,	RMS	3
	3100MHz-10600MHz	-41.3 dBm (RBW=1N		RMS	3
	3100MHz-10600MHz	0 dBm (EIRP, RBW=		Peak	3
	Above 10600MHz	-61.3 dBm (RBW=1N		RMS	3
	1164MHz-1240MHz	-85.3 dBm (EIRP, RBW=1kHz)		RMS	3
	1559MHz-1610MHz	-85.3 dBm (RBW=1k		RMS	3
Limit For IC					
(Spurious Emissions	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
		`	' '		



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0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
1.705MHz-30MHz	30	-	-	30
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1610MHz	-75.3 dBm (RBW=1M		RMS	3
1610MHz-4750MHz	-70.0 dBm (RBW=1M		RMS	3
4750MHz-10600MHz	-41.3 dBm (RBW=1M		RMS	3
4750MHz-10600MHz	0 dBm (EIRP, RBW=		Peak	3
Above 10600MHz	-61.3 dBm (RBW=1M	,	RMS	3
1164MHz-1240MHz	-85.3 dBm (RBW=1kl	•	RMS	3
1559MHz-1610MHz	-85.3 dBm (RBW=1kl		RMS	3

According to ANSI 63.10 Clause 10.3.9, the EIRP to field strength at a specified measurement distance of 3 m is below:

E (dBuV/m) = EIRP(dBm) + 95.3

Thus, the field strength limit for the test above 1GHz is below:

For FCC:

F		Limit	Detector	Measurement	
Frequency	EIRP (dBm)	EIRP (dBm) Field Strength (dBuV/m)		Distance	
960MHz-1610MHz	-75.3 (RBW=1MHz)	20.00	RMS	3	
1610MHz-1990MHz	-63.3 (RBW=1MHz)	32.00	RMS	3	
1990MHz-3100MHz	-61.3 (RBW=1MHz)	34.00	RMS	3	
3100MHz-10600MHz	-41.3 (RBW=1MHz)	54.00	RMS	3	
3100MHz-10600MHz	0 (RBW=50MHz)	95.3	Peak	3	
Above 10600MHz	-61.3 (RBW=1MHz)	34.00	RMS	3	
1164MHz-1240MHz	-85.3 (RBW=1kHz)	10.00	RMS	3	
1559MHz-1610MHz	-85.3 (RBW=1kHz)	10.00	RMS	3	

For IC:

Francis		Limit	Detector	Measurement
Frequency	EIRP (dBm)	Field Strength (dBuV/m)	Detector	Distance
960MHz-1610MHz	-75.3 (RBW=1MHz)	20.00	RMS	3
1610MHz-4750MHz	-70.0 dBm (EIRP,	25.30	RMS	3



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	RBW=1MHz)			
4750MHz-10600MHz	-41.3 (RBW=1MHz)	54.00	RMS	3
4750MHz-10600MHz	0 (RBW=50MHz)	95.3	Peak	3
Above 10600MHz	-61.3 (RBW=1MHz)	34.00	RMS	3
1164MHz-1240MHz	-85.3 (RBW=1kHz)	10.00	RMS	3
1559MHz-1610MHz	-85.3 (RBW=1kHz)	10.00	RMS	3



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7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

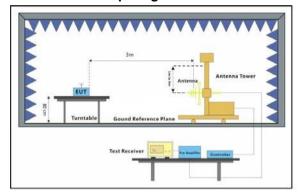
Test Mode: a:TX mode_UWB channel 5_Keep the EUT in continuously transmitting mode with

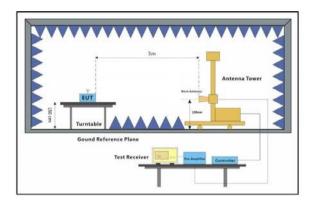
BPM+BPSK modulation

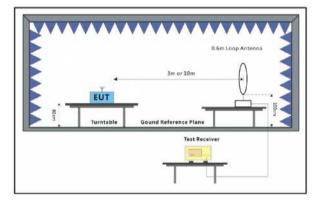
b:TX mode_UWB channel 9_Keep the EUT in continuously transmitting mode with

BPM+BPSK modulation

7.1.2 Test Setup Diagram









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7.1.3 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark:

- 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

3) Scan from 9kHz to 40GHz, the disturbance above 18GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.



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7.1.3.1 Peak Power

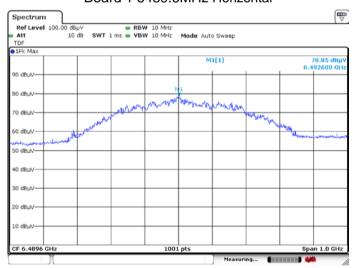
Board 1

Field Strength for fundamental @ RBW=10MHz								
Frequency (MHz)	Reading Level (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Polarization				
6489.6	82.99	-4.14	78.85	Horizontal				
6489.6	79.52	-4.14	75.38	Vertical				
7987.2	80.80	-1.21	79.59	Horizontal				
7987.2	73.10	-1.21	71.89	Vertical				

Frequency (MHz)	Measured Field Strength of fundamental (FS _M) (dBuV/m)	Limit for RBW=50MHz (dBuV/m) (L _{50M})	Caculated factor for RBW=50MHz to RBW=10MHz	Limit for RBW=10MHz (dBuV/m) (L _{10M})	Over Limit(dB)	Polarization
6489.6	78.85	95.30	-13.98	81.32	-2.47	Horizontal
6489.6	75.38	95.30	-13.98	81.32	-5.94	Vertical
7987.2	79.59	95.30	-13.98	81.32	-1.73	Horizontal
7987.2	7987.2 71.89 95.30		-13.98 81.32		-9.43	Vertical
Note: L _{10M} = I	L _{50M} + 20log(10MH	$Iz/50MHz$) = L_{50M}	ı - 13.98			

Test plot

Board 1 6489.6MHz Horizontal





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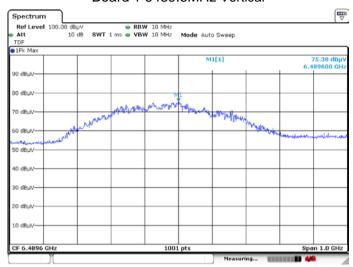
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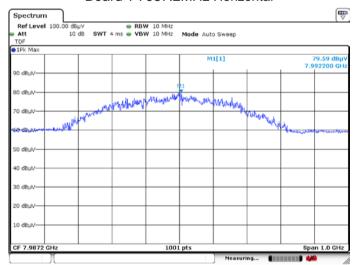
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Board 1 6489.6MHz Vertical



Board 1 7987.2MHz Horizontal





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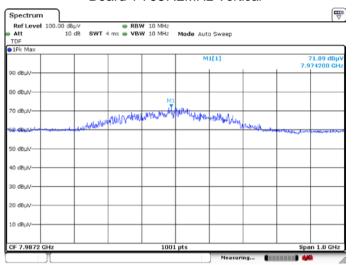
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Board 1 7987.2MHz Vertical



Board 2

	Field Strength for fundamental @ RBW=10MHz								
Frequency (MHz) Reading Level Correction Factor (dBuV) Result (dBuV/m) Polarization									
6489.6	83.03	-4.14	78.89	Horizontal					
6489.6	75.26	-4.14	71.12	Vertical					
7987.2	80.66	-1.21	79.45	Horizontal					
7987.2	73.75	-1.21	72.54	Vertical					

Frequency (MHz)	Measured Field Strength of fundamental (FS _M) (dBuV/m)	Limit for RBW=50MHz (dBuV/m) (L _{50M})	Caculated factor for RBW=50MHz to RBW=10MHz	Limit for RBW=10MHz (dBuV/m) (L _{10M})	Over Limit(dB)	Polarization
6489.6	78.89	95.30	-13.98	81.32	-2.43	Horizontal
6489.6	71.12	95.30	-13.98	81.32	-10.20	Vertical
7987.2	79.45	95.30	-13.98	81.32	-1.87	Horizontal
7987.2	72.54	95.30	-13.98	81.32	-8.78	Vertical
Note: L _{10M} =	L _{50м} + 20log(10МН	$Iz/50MHz$) = L_{50M}	- 13.98			



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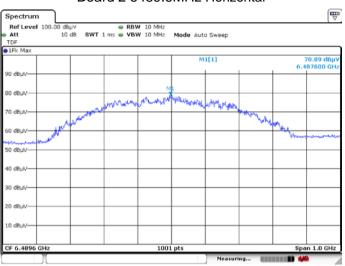


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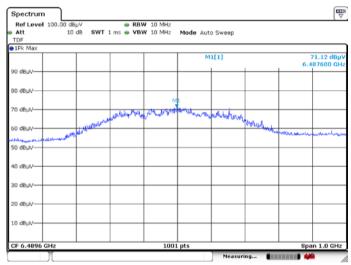
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Test plot

Board 2 6489.6MHz Horizontal



Board 2 6489.6MHz Vertical





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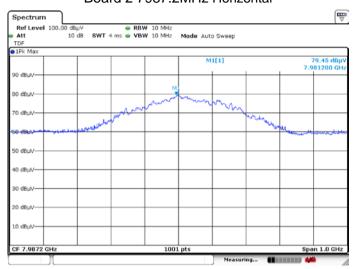
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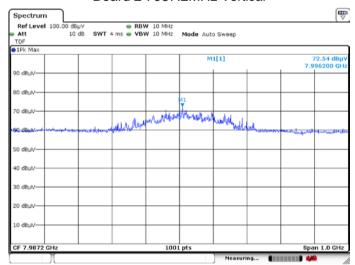
Report No.: KSCR211000018402

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Board 2 7987.2MHz Horizontal



Board 2 7987.2MHz Vertical





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 $\begin{array}{lll} t(86\text{-}512)57355888 & f(86\text{-}512)57370818 & \text{www.sgsgroup.com.cn} \\ t(86\text{-}512)57355888 & f(86\text{-}512)57370818 & \text{sgs.china@sgs.com} \\ \end{array}$



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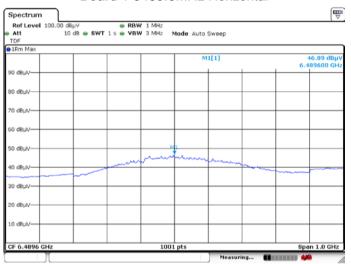
7.1.3.2 RMS Power in a 1 MHz Bandwidth

Board 1

	Field Strength for fundamental @ RBW=1MHz									
Frequency (MHz)										
6489.6	51.03	-4.14	46.89	54.00	-7.11	Horizontal				
6489.6	48.37	-4.14	44.23	54.00	-9.77	Vertical				
7987.2	49.51	-1.21	48.30	54.00	-5.70	Horizontal				
7987.2	44.90	-1.21	43.69	54.00	-10.31	Vertical				

Test plot

Board 1 6489.6MHz Horizontal





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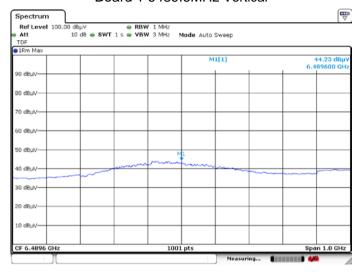
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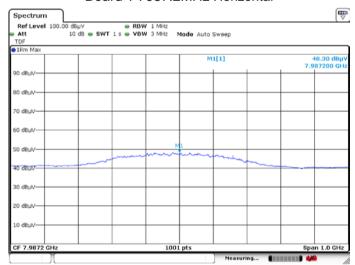
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Board 1 6489.6MHz Vertical



Board 1 7987.2MHz Horizontal





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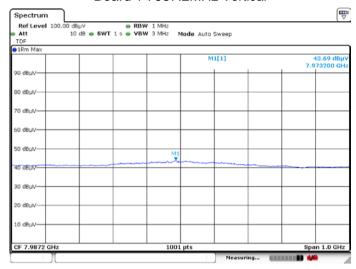
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Board 1 7987.2MHz Vertical

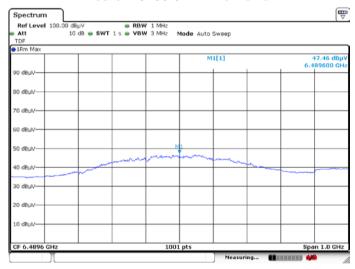


Board 2

	Field Strength for fundamental @ RBW=1MHz									
Frequency (MHz) Reading Level (dBuV) Correction Factor (dB/m) Result (dBuV/m) Correction (dBuV/m) Result (dBuV/m) Correction (dBuV/m)										
6489.6	51.60	-4.14	47.46	54.00	-6.54	Horizontal				
6489.6	45.35	-4.14	41.21	54.00	-12.79	Vertical				
7987.2	50.27	-1.21	49.06	54.00	-4.94	Horizontal				
7987.2	44.51	-1.21	43.30	54.00	-10.70	Vertical				

Test plot

Board 2 6489.6MHz Horizontal





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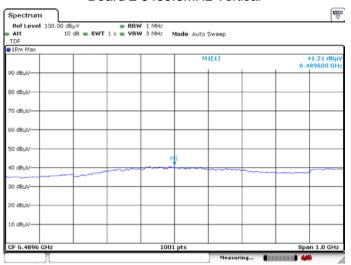
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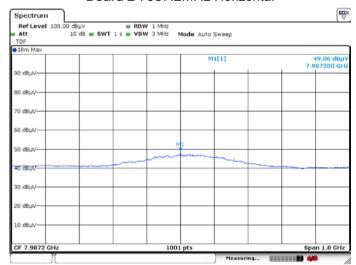
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Board 2 6489.6MHz Vertical



Board 2 7987.2MHz Horizontal





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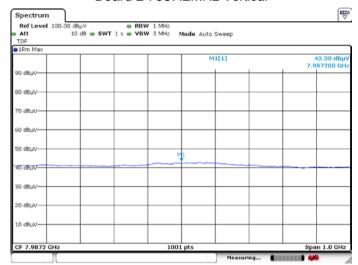
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Board 2 7987.2MHz Vertical





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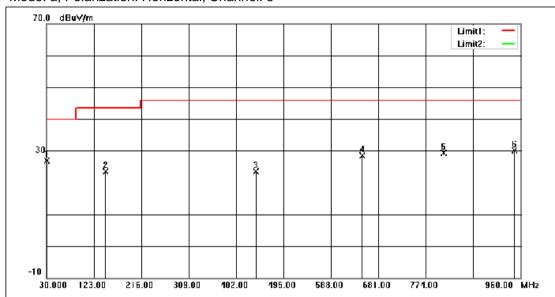
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7.1.3.3 Spurious Emissions

30MHz-960MHz

Board 1

Mode: a; Polarization: Horizontal; Channel: 5



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	0.94	25.93	26.87	40.00	-13.13	QP
2	145.4300	3.42	19.99	23.41	43.50	-20.09	QP
3	441.2800	-0.74	24.18	23.44	46.00	-22.56	QP
4	649.8300	1.39	27.11	28.50	46.00	-17.50	QP
5	808.9100	1.39	27.87	29.26	46.00	-16.74	QP
6	948.5900	0.73	29.28	30.01	46.00	-15.99	QP



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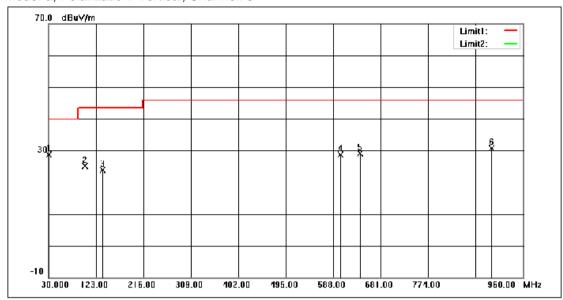
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Mode: a; Polarization: Vertical; Channel: 5



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	2.72	25.93	28.65	40.00	-11.35	QP
2	100.8100	6.47	18.54	25.01	43.50	-18.49	QP
3	135.7300	4.14	19.67	23.81	43.50	-19.69	QP
4	602.3000	2.08	26.54	28.62	46.00	-17.38	QP
5	641.1000	2.06	27.00	29.06	46.00	-16.94	QP
6	899.1200	2.11	28.66	30.77	46.00	-15.23	QP



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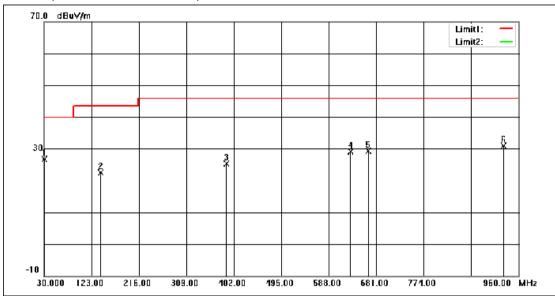


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Board 2

Mode: a; Polarization: Horizontal; Channel: 5



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	0.73	25.93	26.66	40.00	-13.34	QP
2	141.5500	2.74	19.86	22.60	43.50	-20.90	QP
3	387.9300	1.98	23.29	25.27	46.00	-20.73	QP
4	630.4300	2.18	26.88	29.06	46.00	-16.94	QP
5	665.3500	2.07	27.23	29.30	46.00	-16.70	QP
6	931.1300	1.81	29.06	30.87	46.00	-15.13	QP



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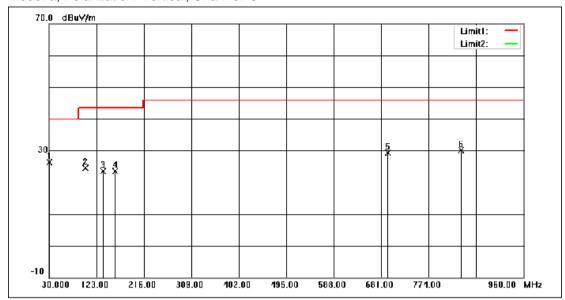
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Mode: a; Polarization: Vertical; Channel: 5



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.9700	0.88	25.38	26.26	40.00	-13.74	QP
2	100.8100	5.99	18.54	24.53	43.50	-18.97	QP
3	135.7300	3.84	19.67	23.51	43.50	-19.99	QP
4	159.9800	4.19	19.36	23.55	43.50	-19.95	QP
5	693.4800	1.92	27.45	29.37	46.00	-16.63	QP
6	838.0100	2.18	28.02	30.20	46.00	-15.80	QP



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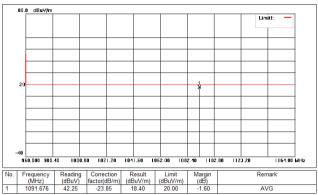
Above 960MHz:

Test Data For FCC

Board 1 6489.6MHz Horizontal (1000-1164MHz)

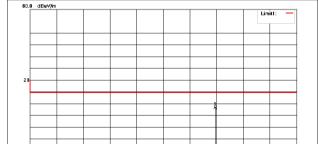
80. 80 dBw/m Limit: 20 20 20 30 40 50.000 980.40 1000.80 1021.20 1041.50 1052.00 1032.40 1102.80 1123.20 1164.00 MHz

Board 1 6489.6MHz Vertical (1000-1164MHz)



Board 1 6489.6MHz Horizontal (1164-1240MHz)

| No. | Frequency | Reading | Correction | Result | Limit | (dBuV/m) | (dBuV/

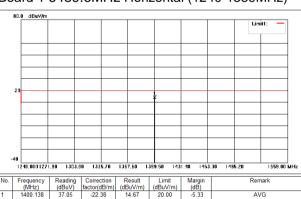


Board 1 6489.6MHz Vertical (1164-1240MHz)

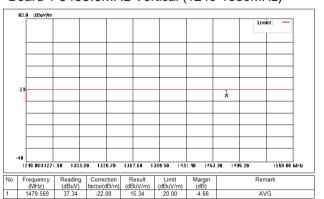


Board 1 6489.6MHz Horizontal (1240-1559MHz)

| Frequency | Reading | Correction | Result | Limit | (dBuV) | factor(dB/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | 1216.820 | 20.46 | -23.25 | -2.79 | 10.00



Board 1 6489.6MHz Vertical (1240-1559MHz)





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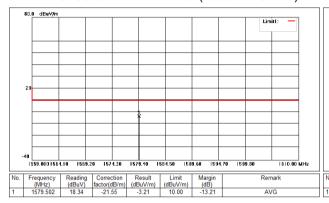


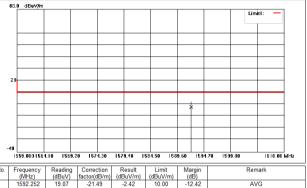
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Board 1 6489.6MHz Horizontal (1559-1610MHz)

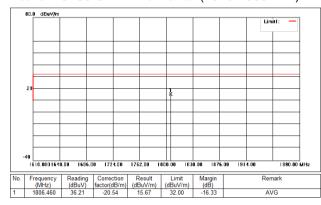
Board 1 6489.6MHz Vertical (1559-1610MHz)

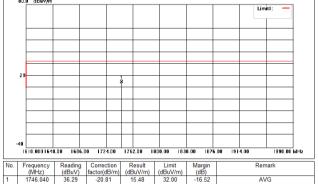




Board 1 6489.6MHz Horizontal (1610-1990MHz)

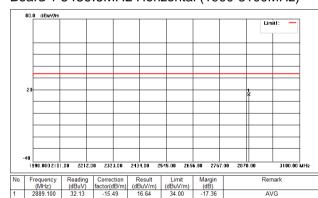
Board 1 6489.6MHz Vertical (1610-1990MHz)





Board 1 6489.6MHz Horizontal (1990-3100MHz)

Board 1 6489.6MHz Vertical (1990-3100MHz)



								Limiti: —			
	20										
							*				
-4	40										
	1990.000210	1.00 2212.	00 2323.00	2434.00 2	515.00 265	6.00 2767	.00 2878.00	3100.00 MHz			
No.	Frequency (MHz)	Reading (dBuV)	Correction	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)		Remark			
1	2846.920	31.72			34.00	-18.00	AVG				



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80.0 dBuY/m

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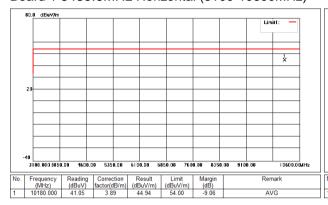


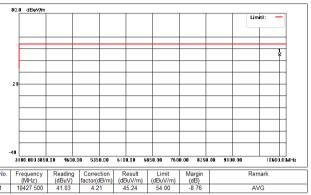
Report No.: KSCR211000018402

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Board 1 6489.6MHz Horizontal (3100-10600MHz)

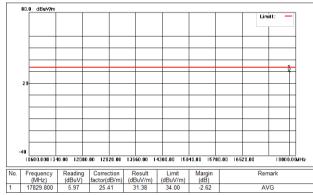
Board 1 6489.6MHz Vertical (3100-10600MHz)

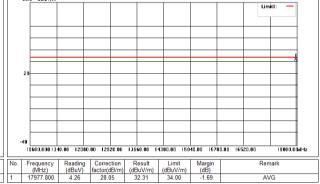




Board 1 6489.6MHz Horizontal (10600-18000MHz) Board 1 6

Board 1 6489.6MHz Horizontal (10600-18000MHz)





Board 1 7897.2MHz Horizontal (1000-1164MHz)

Board 1 7897.2MHz Vertical (1000-1164MHz)



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0.	F	Frequency Reading (MHz) (dBuV)		Reading Correction dBuV) factor(dB/m)			lesult BuV/m)	Limit (dBuV/m)						Remark		
		1088 888	41.45	-23			7 59	20.00		-2 41			AVG			



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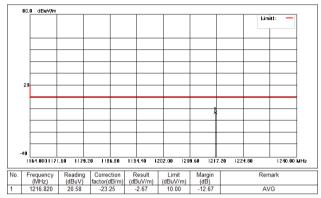


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Board 1 7897.2MHz Horizontal (1164-1240MHz)

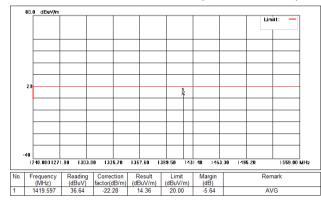
Board 1 7897.2MHz Vertical (1164-1240MHz)

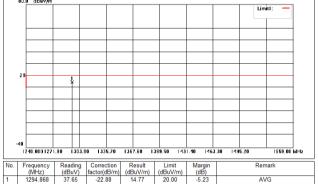




Board 1 7897.2MHz Horizontal (1240-1559MHz)

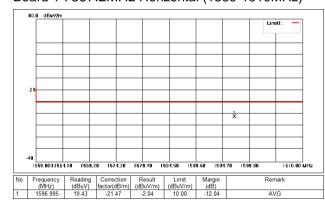
Board 1 7897.2MHz Vertical (1240-1559MHz)





Board 1 7897.2MHz Horizontal (1559-1610MHz)

Board 1 7897.2MHz Vertical (1559-1610MHz)



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	F	requency (MHz)	Reading (dBuV)	Correct factor(c			esult BuV/m)	Lim (dBu\		Margi (dB)	n		Re	emark	
٦	1596 995 18 90 -21 47			-2.57 10.00 -12.57						AVG					



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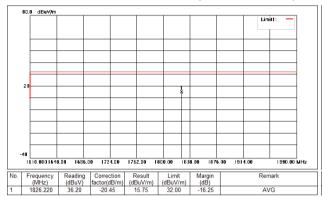


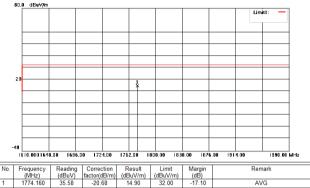
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Board 1 7897.2MHz Horizontal (1610-1990MHz)

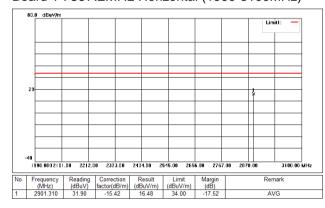
Board 1 7897.2MHz Vertical (1610-1990MHz)

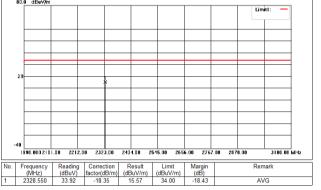




Board 1 7897.2MHz Horizontal (1990-3100MHz)

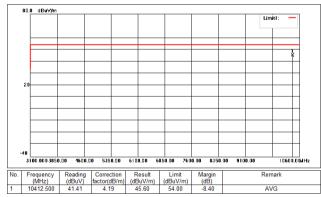
Board 1 7897.2MHz Vertical (1990-3100MHz)





Board 1 7897.2MHz Horizontal (3100-10600MHz)

Board 1 7897.2MHz Vertical (3100-10600MHz)



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No.	Frequency (MHz)	Reading (dBuV)			Limit (dBuV/m)	Margin (dB)		Remark	
1	10405.000		4.18	45.64	54.00	-8.36		AVG	



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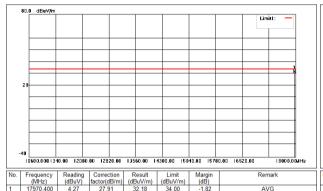
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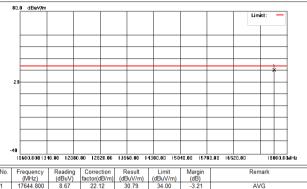


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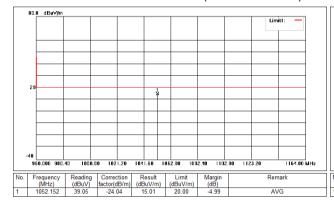
Board 1 7897.2MHz Horizontal (10600-18000MHz) Board 1 7897.2MHz Horizontal (10600-18000MHz)

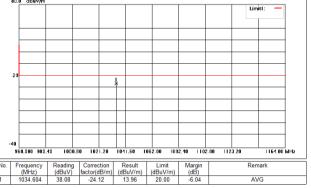




Board 2 6489.6MHz Horizontal (1000-1164MHz)

Board 2 6489.6MHz Vertical (1000-1164MHz)





Board 2 6489.6MHz Horizontal (1164-1240MHz)

Board 2 6489.6MHz Vertical (1164-1240MHz)



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lo.	Fr	equency (MHz)	Reading (dBuV)	Correct factor(c			esult BuV/m)		mit V/m)		rgin B)			Rema	ark	
		179.352	20.15	-23			3.28	10.00		-13.28			AVG			



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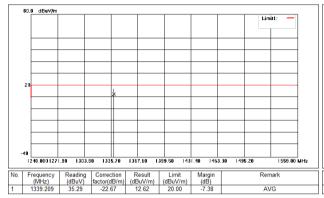


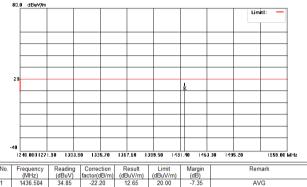
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Board 2 6489.6MHz Horizontal (1240-1559MHz)

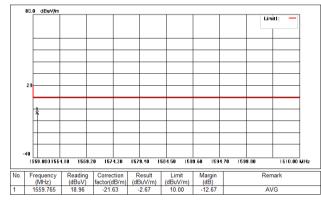
Board 2 6489.6MHz Vertical (1240-1559MHz)

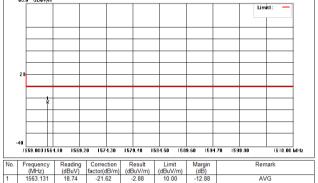




Board 2 6489.6MHz Horizontal (1559-1610MHz)

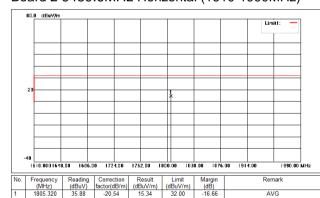
Board 2 6489.6MHz Vertical (1559-1610MHz)





Board 2 6489.6MHz Horizontal (1610-1990MHz)

Board 2 6489.6MHz Vertical (1610-1990MHz)



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	1924.260			16	5.60	32.00	15	-15.40		AVG				



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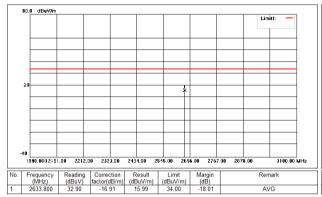


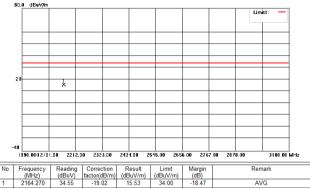
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Board 2 6489.6MHz Horizontal (1990-3100MHz)

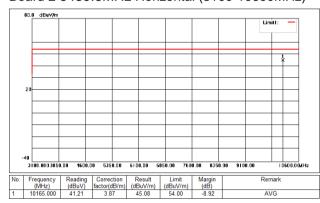
Board 2 6489.6MHz Vertical (1990-3100MHz)

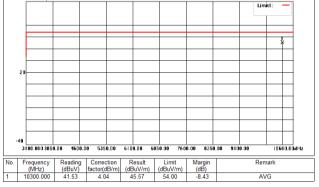




Board 2 6489.6MHz Horizontal (3100-10600MHz)

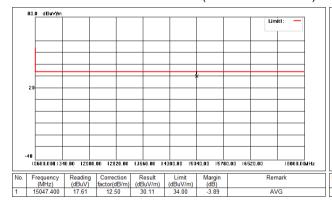
Board 2 6489.6MHz Vertical (3100-10600MHz)





Board 2 6489.6MHz Horizontal (10600-18000MHz)

Board 2 6489.6MHz Horizontal (10600-18000MHz)



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1		75.000	14.97		17.1			2.11	\top	34.00		-1.6			AVG			



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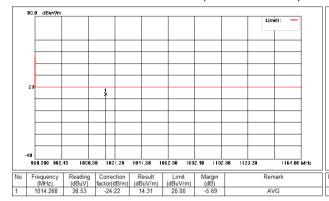


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Board 2 7897.2MHz Horizontal (1000-1164MHz)

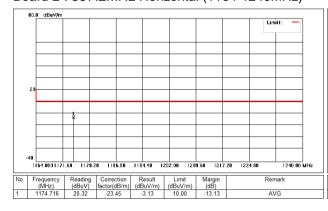
Board 2 7897.2MHz Vertical (1000-1164MHz)

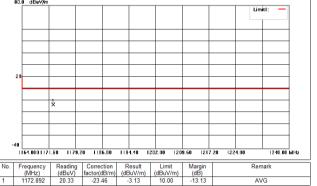




Board 2 7897.2MHz Horizontal (1164-1240MHz)

Board 2 7897.2MHz Vertical (1164-1240MHz)





Board 2 7897.2MHz Horizontal (1240-1559MHz)

Board 2 7897.2MHz Vertical (1240-1559MHz)



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	12 10.000 121			0.10					1.10	J.50 1 1	55.25	1200.00	
lo.	Frequency	Reading	Correc	tion	R	esult	Limit		Margin	1	R	emark	
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\neg	1456.282	34.17	-22.			2.06	20.0		-7.94		AVG		
1	1456.282	34.17	-22.1	11	1.	2.06	20.0	J	-7.94		AVG		



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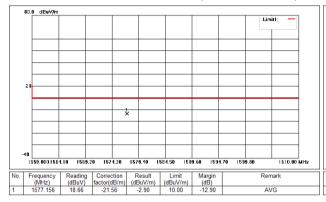


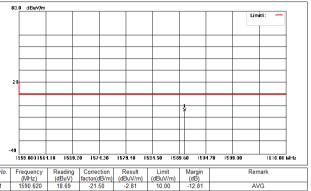
Report No.: KSCR211000018402

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Board 2 7897.2MHz Horizontal (1559-1610MHz)

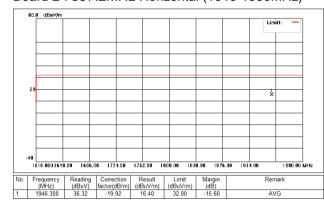
Board 2 7897.2MHz Vertical (1559-1610MHz)

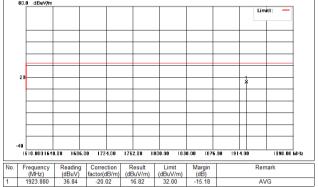




Board 2 7897.2MHz Horizontal (1610-1990MHz)

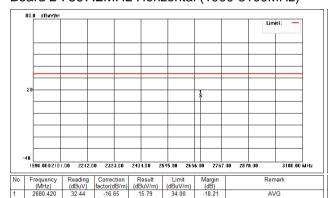
Board 2 7897.2MHz Vertical (1610-1990MHz)





Board 2 7897.2MHz Horizontal (1990-3100MHz)

Board 2 7897.2MHz Vertical (1990-3100MHz)



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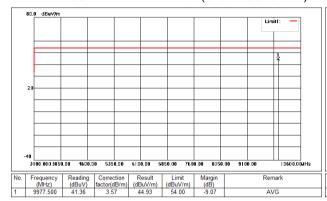


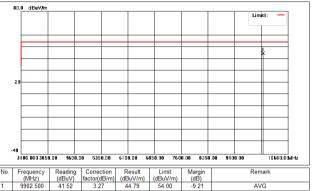
Report No.: KSCR211000018402

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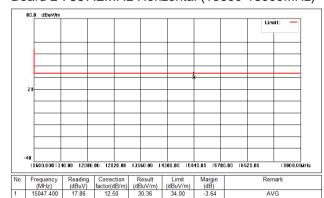
Board 2 7897.2MHz Horizontal (3100-10600MHz)

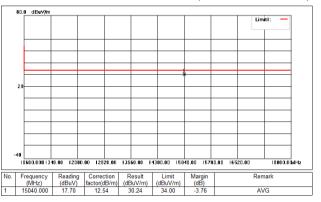
Board 2 7897.2MHz Vertical (3100-10600MHz)





Board 2 7897.2MHz Horizontal (10600-18000MHz) Board 2 7897.2MHz Horizontal (10600-18000MHz)







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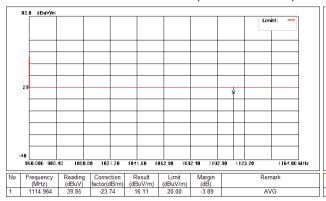


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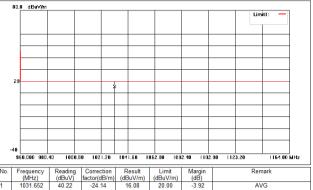
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Test Data For IC

Board 1 6489.6MHz Horizontal (1000-1164MHz)

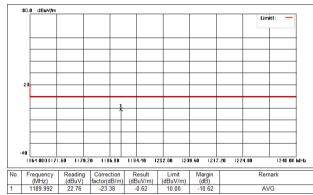


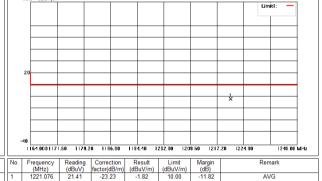
Board 1 6489.6MHz Vertical (1000-1164MHz)



Board 1 6489.6MHz Horizontal (1164-1240MHz)

Board 1 6489.6MHz Vertical (1164-1240MHz)





Board 1 6489.6MHz Horizontal (1240-1559MHz)

Board 1 6489.6MHz Vertical (1240-1559MHz)



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(MHz) (dBuV) factor(dB/m) (dBuV/m) (dB)	No	F	requency	Reading	Correc	tion	Result	Limit	Margin		Rem	ark
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1 1439.375 35.94 -22.19 13.75 20.00 -6.25 AVG	1	-									AV	G



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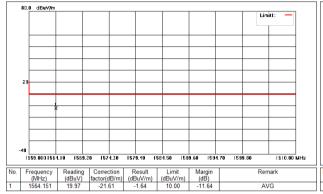


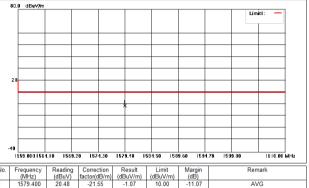
Report No.: KSCR211000018402

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Board 1 6489.6MHz Horizontal (1559-1610MHz)

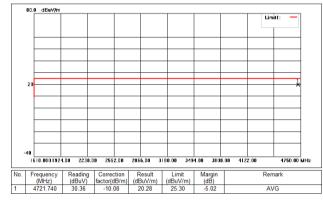
Board 1 6489.6MHz Vertical (1559-1610MHz)

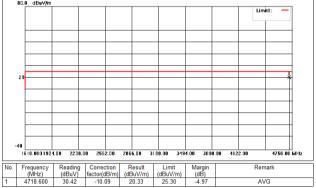




Board 1 6489.6MHz Horizontal (1610-4750MHz)

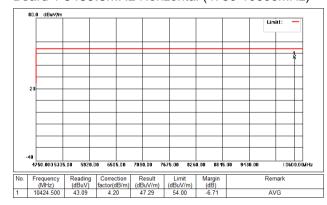
Board 1 6489.6MHz Vertical (1610-4750MHz)





Board 1 6489.6MHz Horizontal (4750-10600MHz)

Board 1 6489.6MHz Vertical (4750-10600MHz)



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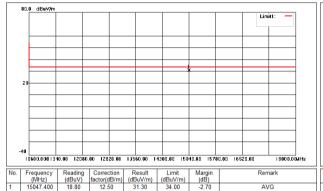
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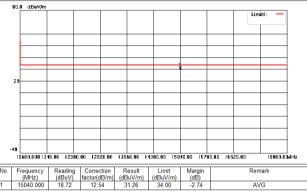


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Board 1 6489.6MHz Horizontal (10600-18000MHz) Board 1 6489.6MHz Horizontal (10600-18000MHz)

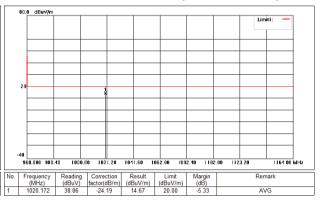




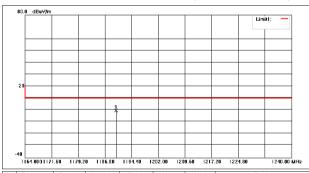
Board 1 7897.2MHz Horizontal (1000-1164MHz)

88.0 dBuV/m Limit1: — 20 350.000 390.40 1900.80 1021.20 1041.50 1052.00 1092.40 1102.80 1123.20 1164.00 MHz No Frequency (MHz) Reading Correction (dBuV/m) (dBuV/

Board 1 7897.2MHz Vertical (1000-1164MHz)



Board 1 7897.2MHz Horizontal (1164-1240MHz)



Board 1 7897.2MHz Vertical (1164-1240MHz)





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AVG



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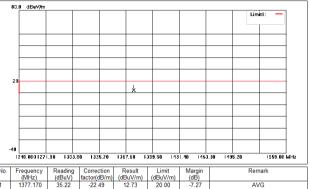
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Board 1 7897.2MHz Horizontal (1240-1559MHz)

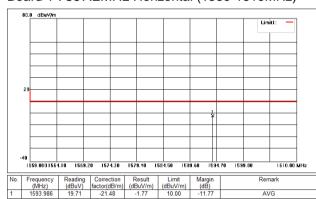


(dB) -6.90

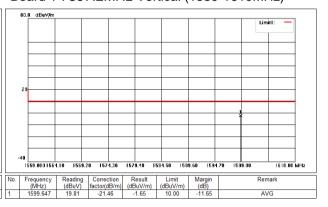
Board 1 7897.2MHz Vertical (1240-1559MHz)



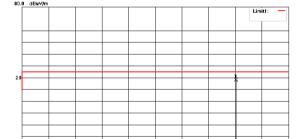
Board 1 7897.2MHz Horizontal (1559-1610MHz)



Board 1 7897.2MHz Vertical (1559-1610MHz)

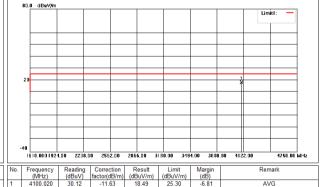


Board 1 7897.2MHz Horizontal (1610-4750MHz)



No. Frequency (MHz) Reading (dBuV) Correction factor(dB/m) Result (dBuV/m) Limit (dBuV/m) Margin (dBuV) Remark (dBuV/m) 1 4131.420 30.15 -11.58 18.57 25.30 -6.73 AVG

Board 1 7897.2MHz Vertical (1610-4750MHz)





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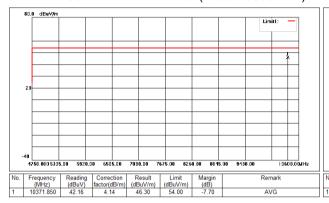


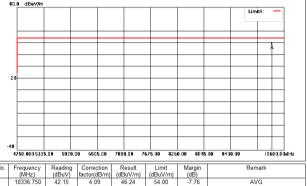
Report No.: KSCR211000018402

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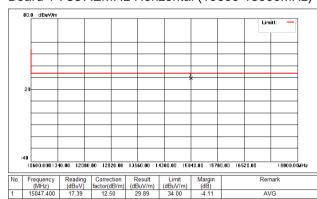
Board 1 7897.2MHz Horizontal (4750-10600MHz)

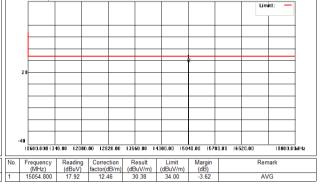
Board 1 7897.2MHz Vertical (4750-10600MHz)





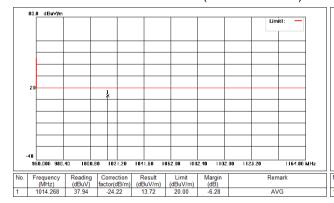
Board 1 7897.2MHz Horizontal (10600-18000MHz) Board 1 7897.2MHz Horizontal (10600-18000MHz)





Board 2 6489.6MHz Horizontal (1000-1164MHz)

Board 2 6489.6MHz Vertical (1000-1164MHz)



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-4								
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T	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	
+	1047.396	38.40	-24.06	14.34	20.00	-5.66		AVG



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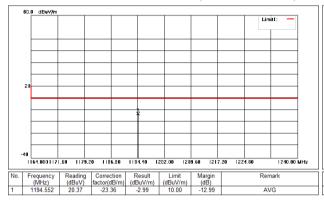


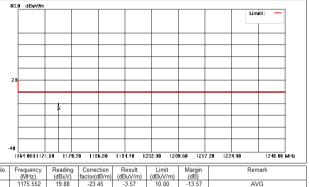
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Board 2 6489.6MHz Horizontal (1164-1240MHz)

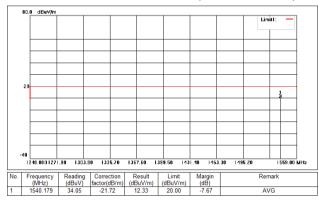
Board 2 6489.6MHz Vertical (1164-1240MHz)

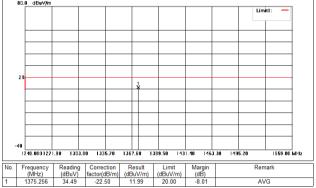




Board 2 6489.6MHz Horizontal (1240-1559MHz)

Board 2 6489.6MHz Vertical (1240-1559MHz)





Board 2 6489.6MHz Horizontal (1559-1610MHz)

Board 2 6489.6MHz Vertical (1559-1610MHz)



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		1576 238	18.83	-21		T .	2 73	10	าก	-12 7	3			AVG		



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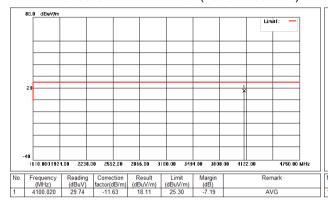


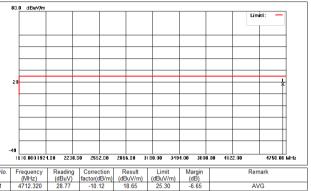
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Board 2 6489.6MHz Horizontal (1610-4750MHz)

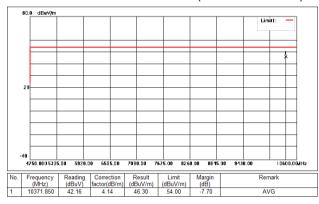
Board 2 6489.6MHz Vertical (1610-4750MHz)

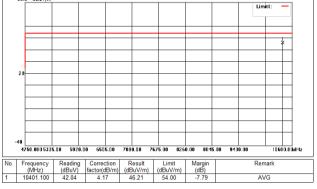




Board 2 6489.6MHz Horizontal (4750-10600MHz)

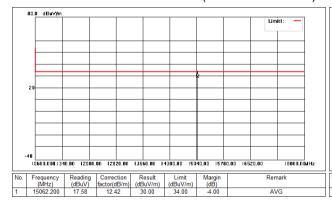
Board 2 6489.6MHz Vertical (4750-10600MHz)





Board 2 6489.6MHz Horizontal (10600-18000MHz)

Board 2 6489.6MHz Horizontal (10600-18000MHz)



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-4	40									
	10600.00013	10.00 12080	.00 12820.00	13560.00 14	1300.00 150	10.00 1578	0.00 165	20.00	18000.00MHz	
	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)		Remark		
+	15040.000	17.54	12.54	30.08	34.00	-3.92		AVG		



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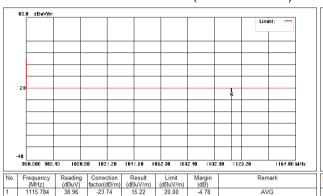
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Board 2 7897.2MHz Horizontal (1000-1164MHz)

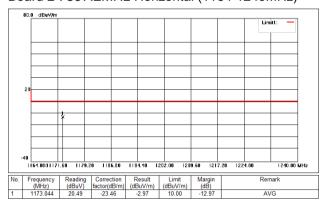


(dB) -4.78

Board 2 7897.2MHz Vertical (1000-1164MHz)



Board 2 7897.2MHz Horizontal (1164-1240MHz)



Board 2 7897.2MHz Vertical (1164-1240MHz)



Board 2 7897.2MHz Horizontal (1240-1559MHz)

Board 2 7897.2MHz Vertical (1240-1559MHz)



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							1					
-	40											
		40.000127	.90 1303	.80 1335	.70 138	7.60 13	99.50 143	1.40 1463	.30 149	5.20	1559.00 M	Hz
lo.	F	requency (MHz)	Reading (dBuV)	Correct factor(dE		Result BuV/m)	Limit (dBuV/m)	Margin (dB)		Ren	nark	
		1398.224	34.81	-22.3		12.42	20.00	-7.58		AVG		



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80 0 dBuV/r

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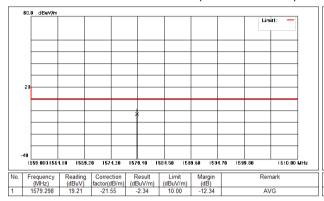


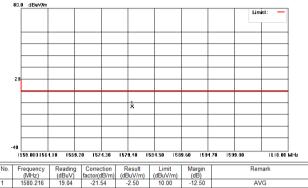
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Board 2 7897.2MHz Horizontal (1559-1610MHz)

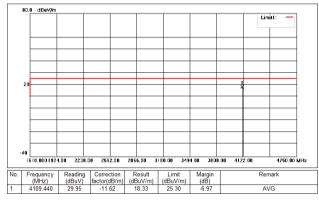
Board 2 7897.2MHz Vertical (1559-1610MHz)

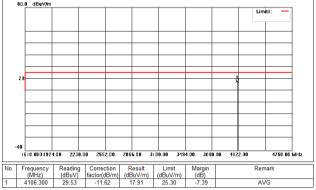




Board 2 7897.2MHz Horizontal (1610-4750MHz)

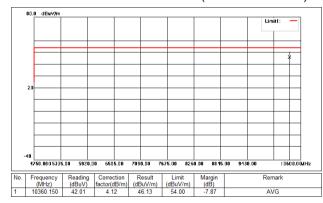
Board 2 7897.2MHz Vertical (1610-4750MHz)





Board 2 7897.2MHz Horizontal (4750-10600MHz)

Board 2 7897.2MHz Vertical (4750-10600MHz)



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	17	50.000 5335	5.00 5920	0.00 650	5.00	709	0.00 7	575.00	826	0.00 8	845.00	943	0.00	11	600.0	MHz
No.	F	requency (MHz)	Reading (dBuV)	Correct factor(c			Result BuV/m)	Lim (dBu\		Margi (dB)			Remark			
1	1	0371.850	41.91	4.1			6.05	54.0		-7.9			AVG			



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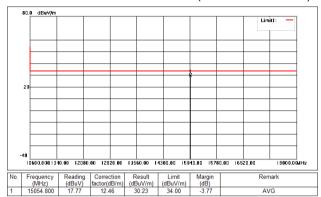
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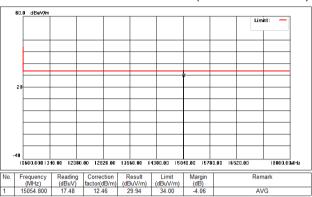


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Board 2 7897.2MHz Horizontal (10600-18000MHz) Board 2 7897.2MHz Horizontal (10600-18000MHz)





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7.2 UWB Bandwidth (10dB Bandwidth)

Test Requirement 47 CFR Part 15F Section 15.503(a); RSS-220 Clause 5.1(a)

Test Method: ANSI C63.10:2013

Limit: ≥500MHz

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

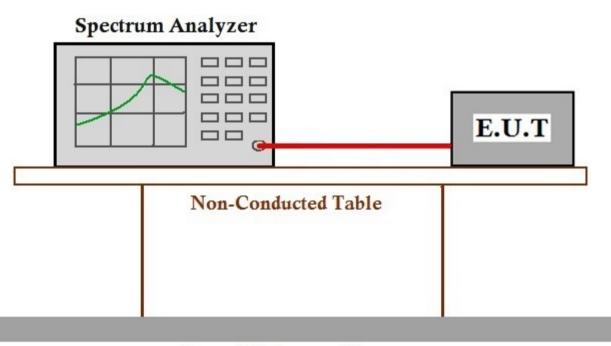
Test Mode: a:TX mode_UWB channel 5_Keep the EUT in continuously transmitting mode with

BPM+BPSK modulation

b:TX mode_UWB channel 9_Keep the EUT in continuously transmitting mode with

BPM+BPSK modulation

7.2.2 Test Setup Diagram



Ground Reference Plane

7.2.3 Measurement Procedure and Data

EUT	Test Frequency (MHz)	F _L (MHz)	Fн (MHz)	10dB bandwidth (MHz)	Limit (MHz)	Results
Doord 1	6489.6	6236.4	6742.9	506.5	≥500MHz	Pass
Board 1	7987.2	7735.5	8240.2	504.7	≥500MHz	Pass
Doord O	6489.6	6237.9	6742.9	505.0	≥500MHz	Pass
Board 2	7987.2	7734.0	8240.5	506.5	≥500MHz	Pass



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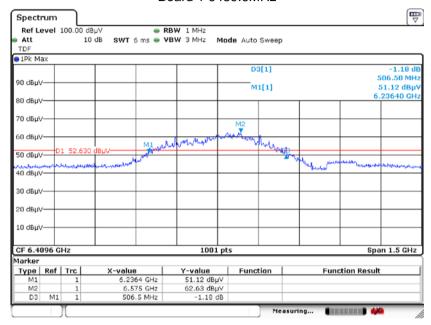


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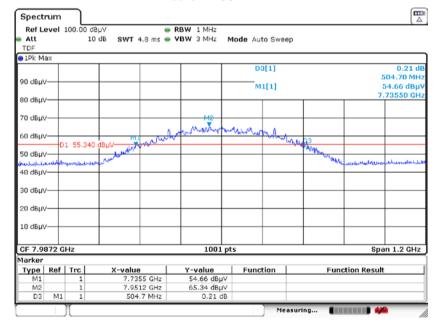
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Test plot:

Board 1 6489.6MHz



Board 1 7987.2MHz





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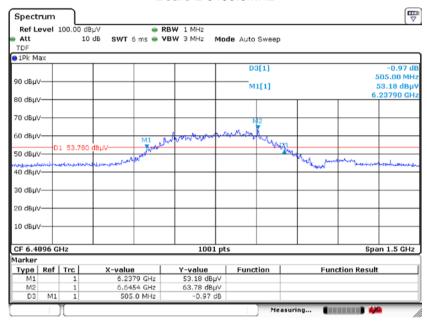
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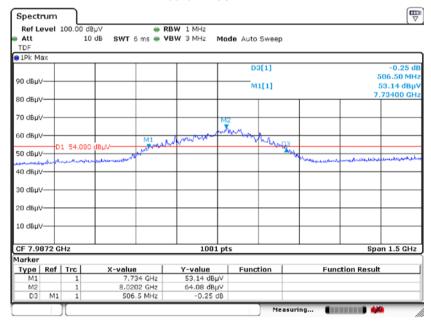
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Board 2 6489.6MHz



Board 2 7987.2MHz





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7.3 99% Bandwidth

Test Requirement RSS-Gen Section 6.7
Test Method: ANSI C63.10 Section 6.9.3

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar Test mode a:TX mode_UWB channel 5_Keep the EUT in continuously transmitting mode with

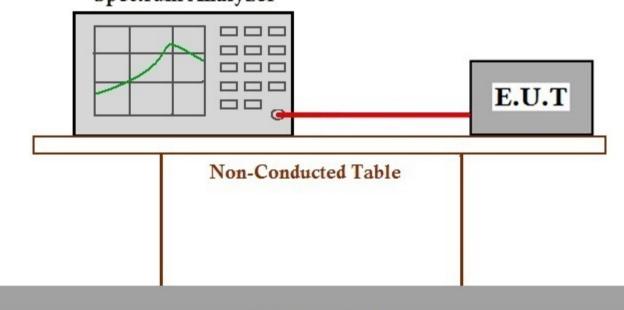
BPM+BPSK modulation

b:TX mode_UWB channel 9_Keep the EUT in continuously transmitting mode with

BPM+BPSK modulation

7.3.2 Test Setup Diagram

Spectrum Analyzer



Ground Reference Plane

7.3.3 Measurement Procedure and Data

EUT	Test Frequency (MHz)	F _L (MHz)	F _H (MHz)	99% OBW (MHz)
Doord 1	6489.6	6194.40	6810.28	615.88
Board 1	7987.2	7675.51	8274.91	599.40
Doord 2	6489.6	6204.88	6807.28	602.40
Board 2	7987.2	7677.01	8283.90	606.89



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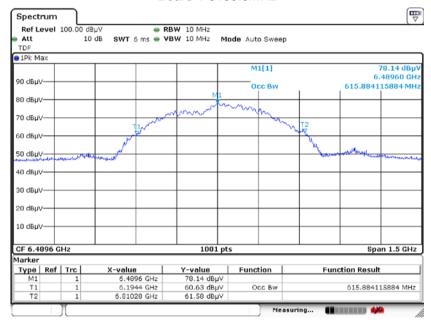


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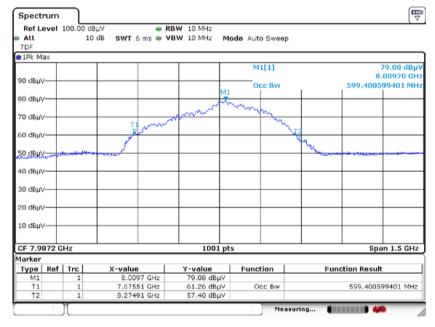
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Test plot:

Board 1 6489.6MHz



Board 1 7987.2MHz





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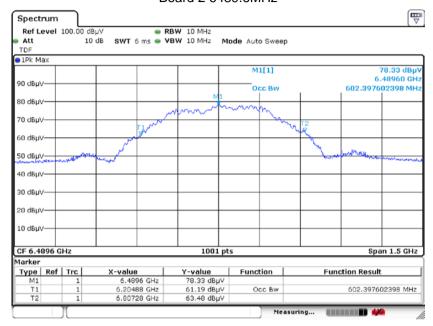
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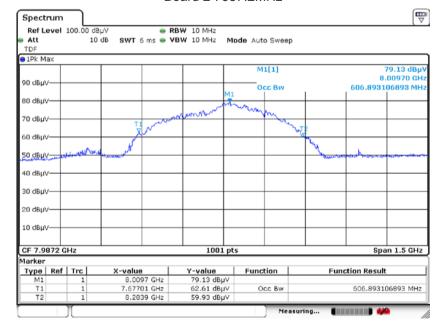
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7.4 Dwell Time

Test Requirement 47 CFR Part 15F Section 15.519(a)(1); RSS-220 Clause 5.3.1(b)

Test Method: ANSI C63.10:2013

Limit: The UWB intentional radiator shall cease transmission within 10 seconds

unless it receives an acknowledgement from the associated receiver that its

transmission is being received

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

Test Mode: c:Normal operation mode_ Establish communication between EUT and receiver.

7.4.2 Test Setup Diagram

Spectrum Analyzer E.U.T Non-Conducted Table

Ground Reference Plane

7.4.3 Measurement Procedure and Data



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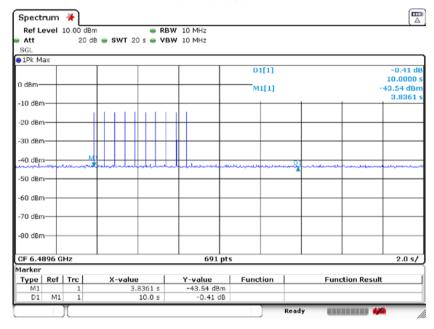
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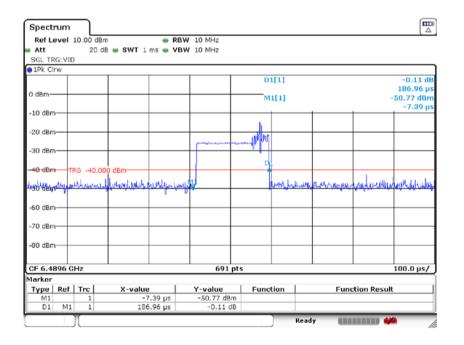


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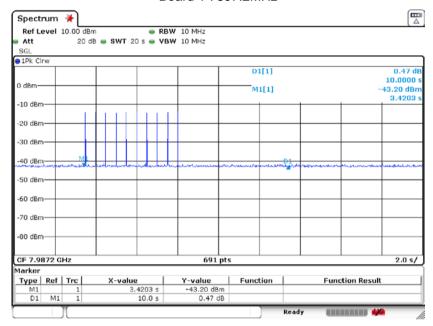
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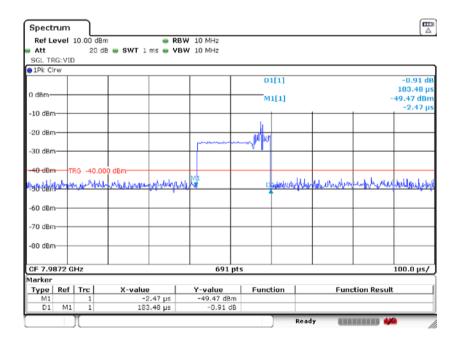


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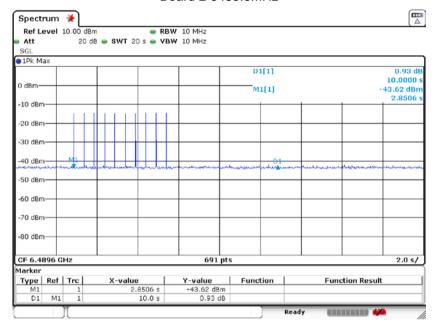
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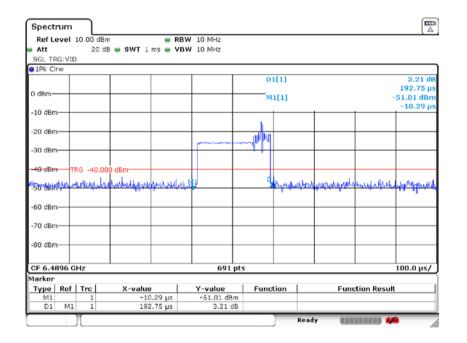


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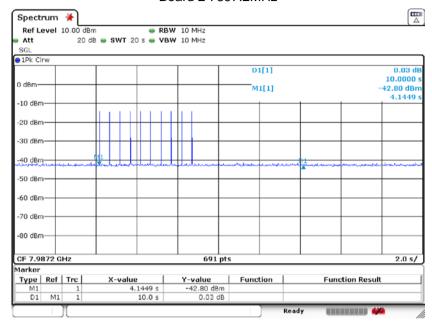
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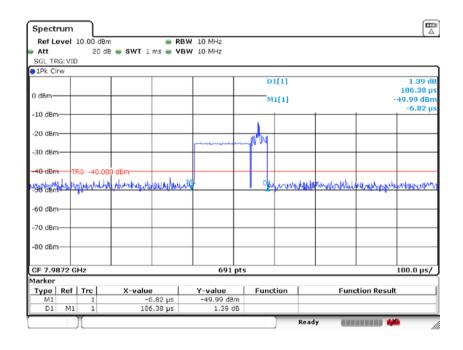


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As can be seen from the test plots above, the transmitter ceases the transmission and returns to a sleep state in 10s, so the EUT is in compliance with requirements of 15.519(a).



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8 Test Setup Photographs

Refer to the < Test Setup photos-FCC>.

9 EUT Constructional Details

Refer to the < External Photos > & < Internal Photos >.

- End of the Report -



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