



CFR 47 FCC PART 15 SUBPART C

TEST REPORT

For

DJI Goggles SE

MODEL NUMBER: RCDS13

REPORT NUMBER: 4790544262-RF-1

ISSUE DATE: November 24, 2022

FCC ID: SS3-RCDS1322

Prepared for

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	November 11, 2022	Initial Issue	



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Summary of Test Results Clause **Test Items FCC Rules Test Results** 1 6dB Bandwidth FCC Part 15.247 (a) (2) Pass 2 Average Conducted Output Power FCC Part 15.247 (b) (3) Pass 3 Power Spectral Density FCC Part 15.247 (e) Pass Conducted Bandedge and 4 FCC Part 15.247 (d) Pass Spurious Emission FCC Part 15.247 (d) Radiated Bandedge and Spurious FCC Part 15.209 5 Pass **Emission** FCC Part 15.205 Conducted Emission Test for AC 6 FCC Part 15.207 Pass Power Port 7 Antenna Requirement FCC Part 15.203 Pass

Note:

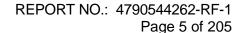
^{1.} This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

^{2.} The measurement result for the sample received is <Pass> according to < CFR 47 FCC PART 15 SUBPART C > when <Accuracy Method> decision rule is applied.



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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: SZ DJI TECHNOLOGY CO., LTD

Address: 14th floor, West Wing, Skyworth Semiconductor Design Building

NO.18 Gaoxin South 4th Ave, Nanshan District, Shenzhen,

Guangdong 518057 China

Manufacturer Information

Company Name: SZ DJI TECHNOLOGY CO., LTD

Address: 14th floor, West Wing, Skyworth Semiconductor Design Building

NO.18 Gaoxin South 4th Ave, Nanshan District, Shenzhen,

Guangdong 518057 China

EUT Information

EUT Name: DJI Goggles SE

Model: RCDS13

Sample Received Date: October 10, 2022

Sample ID: 5426235

Date of Tested: October 10, 2022 to November 24, 2022

APPLICABLE STANDARDS					
STANDARD	TEST RESULTS				
CFR 47 FCC PART 15 SUBPART C	PASS				

Prepared By: Checked By:

Denny Huang Kebo Zhang

Senior Project Engineer Senior Project Engineer

Approved By:

Stephen Guo

Operations Manager



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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 558074 D01 15.247 Meas Guidance v05r02, 414788 D01 Radiated Test Site v01r01, CFR 47 FCC Part 2, CFR 47 FCC Part 15, ANSI C63.10-2013.

3. FACILITIES AND ACCREDITATION

	A2LA (Certificate No.: 4102.01)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	has been assessed and proved to be in compliance with A2LA.
	FCC (FCC Designation No.: CN1187)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	Has been recognized to perform compliance testing on equipment subject
	to the Commission's Declaration of Conformity (DoC) and Certification
	rules
	ISED (Company No.: 21320)
Accreditation	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
Certificate	has been registered and fully described in a report filed with ISED.
	The Company Number is 21320 and the test lab Conformity Assessment
	Body Identifier (CABID) is CN0046.
	VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	has been assessed and proved to be in compliance with VCCI, the
	Membership No. is 3793.
	Facility Name:
	Chamber D, the VCCI registration No. is G-20019 and R-20004
	Shielding Room B, the VCCI registration No. is C-20012 and T-20011

Note 1:

All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of China.

Note 2:

The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3:

For below 30 MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30 MHz had been correlated to measurements performed on an OFS.



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4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty		
Conduction emission	3.62 dB		
Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz)	2.2 dB		
Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz)	4.00 dB		
Radiated Emission	5.78 dB (1 GHz ~ 18 GHz)		
(Included Fundamental Emission) (1 GHz to 26 GHz)	5.23 dB (18 GHz ~ 26 GHz)		

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

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5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	DJI Goggles SE
Model	RCDS13
Radio Technology	SRD 2.4G
Operation Frequency	2.4G 1.4 MHz Bandwidth (2409.5 MHz ~ 2465.5 MHz) 2.4G 1.4 MHz Bandwidth (CA Mode) (2411.12 MHz ~ 2465.12 MHz) 2.4G 3 MHz Bandwidth (2410.5 MHz ~ 2461.5 MHz) 2.4G 3 MHz Bandwidth (CA Mode) (2413.2 MHz ~ 2464.2 MHz) 2.4G 10 MHz Bandwidth (2405.5 MHz ~ 2476.5 MHz) 2.4G 20 MHz Bandwidth (2410.5 MHz ~ 2472.5 MHz) 2.4G 40 MHz Bandwidth (2422.5 MHz ~ 2452.5 MHz)
Modulation	OFDM (QPSK, 16QAM, 64QAM)
Supply Voltage	DC 7.2 V by Battery

5.2. MAXIMUM OUTPUT POWER

SRD 2.4G	Frequency (MHz)	Channel Number	Maximum Conducted Average Output Power (dBm)
1.4 MHz Mode	2409.5 MHz ~ 2465.5 MHz	1-29[29]	25.65
1.4 MHz CA Mode	2411.12 MHz ~ 2465.12 MHz	1-28[28]	25.30
3 MHz Mode	2410.5 MHz ~ 2461.5 MHz	1-18[18]	26.27
3 MHz CA Mode	2413.2 MHz ~ 2464.2 MHz	1-18[18]	26.53
10 MHz Mode	2405.5 MHz ~ 2476.5 MHz	1-72[72]	16.61
20 MHz Mode	2410.5 MHz ~ 2472.5 MHz	1-63[63]	16.18
40 MHz Mode	2422.5 MHz ~ 2452.5 MHz	1-31[31]	16.16

5.3. CHANNEL LIST

	2.4G 1.4 MHz Bandwidth (2409.5 MHz ~ 2465.5 MHz)								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)		
1	2409.5	9	2425.5	17	2441.5	25	2457.5		
2	2411.5	10	2427.5	18	2443.5	26	2459.5		
3	2413.5	11	2429.5	19	2445.5	27	2461.5		
4	2415.5	12	2431.5	20	2447.5	28	2463.5		
5	2417.5	13	2433.5	21	2449.5	29	2465.5		
6	2419.5	14	2435.5	22	2451.5	/	/		
7	2421.5	15	2437.5	23	2453.5	/	/		
8	2423.5	16	2439.5	24	2455.5	1	/		



	2.4G 1.4 MHz Bandwidth CA Mode (2411.12 MHz ~ 2465.12 MHz)								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)		
1	2411.12	8	2425.12	15	2439.12	22	2453.12		
2	2413.12	9	2427.12	16	2441.12	23	2455.12		
3	2415.12	10	2429.12	17	2443.12	24	2457.12		
4	2417.12	11	2431.12	18	2445.12	25	2459.12		
5	2419.12	12	2433.12	19	2447.12	26	2461.12		
6	2421.12	13	2435.12	20	2449.12	27	2463.12		
7	2423.12	14	2437.12	21	2451.12	28	2465.12		

	2.4G 3 MHz Bandwidth Mode (2410.5 MHz ~ 2461.5 MHz)								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)		
1	2410.5	6	2425.5	11	2440.5	16	2455.5		
2	2413.5	7	2428.5	12	2443.5	17	2458.5		
3	2416.5	8	2431.5	13	2446.5	18	2461.5		
4	2419.5	9	2434.5	14	2449.5	1	/		
5	2422.5	10	2437.5	15	2452.5	/	/		

	2.4G 3 MHz Bandwidth CA Mode (2413.2 MHz ~ 2464.2 MHz)								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)		
1	2413.2	6	2428.2	11	2443.2	16	2458.2		
2	2416.2	7	2431.2	12	2446.2	17	2461.2		
3	2419.2	8	2434.2	13	2449.2	18	2464.2		
4	2422.2	9	2437.2	14	2452.2	1	/		
5	2425.2	10	2440.2	15	2455.2	1	1		



2.4G 10 MHz Bandwidth (2405.5 MHz ~ 2476.5 MHz)								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	
1	2405.5	20	2424.5	39	2443.5	58	2462.5	
2	2406.5	21	2425.5	40	2444.5	59	2463.5	
3	2407.5	22	2426.5	41	2445.5	60	2464.5	
4	2408.5	23	2427.5	42	2446.5	61	2465.5	
5	2409.5	24	2428.5	43	2447.5	62	2466.5	
6	2410.5	25	2429.5	44	2448.5	63	2467.5	
7	2411.5	26	2430.5	45	2449.5	64	2468.5	
8	2412.5	27	2431.5	46	2450.5	65	2469.5	
9	2413.5	28	2432.5	47	2451.5	66	2470.5	
10	2414.5	29	2433.5	48	2452.5	67	2471.5	
11	2415.5	30	2434.5	49	2453.5	68	2472.5	
12	2416.5	31	2435.5	50	2454.5	69	2473.5	
13	2417.5	32	2436.5	51	2455.5	70	2474.5	
14	2418.5	33	2437.5	52	2456.5	71	2475.5	
15	2419.5	34	2438.5	53	2457.5	72	2476.5	
16	2420.5	35	2439.5	54	2458.5	/	/	
17	2421.5	36	2440.5	55	2459.5	/	/	
18	2422.5	37	2441.5	56	2460.5	/	/	
19	2423.5	38	2442.5	57	2461.5	/		



	2.4G 20 MHz Bandwidth (2410.5 MHz ~ 2472.5 MHz)									
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)			
1	2410.5	17	2426.5	33	2442.5	49	2458.5			
2	2411.5	18	2427.5	34	2443.5	50	2459.5			
3	2412.5	19	2428.5	35	2444.5	51	2460.5			
4	2413.5	20	2429.5	36	2445.5	52	2461.5			
5	2414.5	21	2430.5	37	2446.5	53	2462.5			
6	2415.5	22	2431.5	38	2447.5	54	2463.5			
7	2416.5	23	2432.5	39	2448.5	55	2464.5			
8	2417.5	24	2433.5	40	2449.5	56	2465.5			
9	2418.5	25	2434.5	41	2450.5	57	2466.5			
10	2419.5	26	2435.5	42	2451.5	58	2467.5			
11	2420.5	27	2436.5	43	2452.5	59	2468.5			
12	2421.5	28	2437.5	44	2453.5	60	2469.5			
13	2422.5	29	2438.5	45	2454.5	61	2470.5			
14	2423.5	30	2439.5	46	2455.5	62	2471.5			
15	2424.5	31	2440.5	47	2456.5	63	2472.5			
16	2425.5	32	2441.5	48	2457.5	/	/			

	2.4G 40 MHz Bandwidth (2422.5 MHz ~ 2452.5 MHz)									
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)			
1	2422.5	9	2430.5	17	2438.5	25	2446.5			
2	2423.5	10	2431.5	18	2439.5	26	2447.5			
3	2424.5	11	2432.5	19	2440.5	27	2448.5			
4	2425.5	12	2433.5	20	2441.5	28	2449.5			
5	2426.5	13	2434.5	21	2442.5	29	2450.5			
6	2427.5	14	2435.5	22	2443.5	30	2451.5			
7	2428.5	15	2436.5	23	2444.5	31	2452.5			
8	2429.5	16	2437.5	24	2445.5	/	1			



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5.4. TEST CHANNEL CONFIGURATION

SRD 2.4G	Test Channel Number	Frequency
1.4 MHz Mode	CH 1(Low Channel), CH 15(MID Channel), CH 29(High Channel)	2409.5 MHz, 2437.5 MHz, 2465.5 MHz
1.4 MHz CA Mode	CH 1(Low Channel), CH 14(MID Channel), CH 28(High Channel)	2411.12 MHz, 2437.12 MHz, 2465.12 MHz
3 MHz Mode	CH 1(Low Channel), CH 9(MID Channel), CH 18(High Channel)	2410.5 MHz, 2434.5 MHz, 2461.5 MHz
3 MHz CA Mode	CH 1(Low Channel), CH 9(MID Channel), CH 18(High Channel)	2413.2 MHz, 2437.2 MHz, 2464.2 MHz
10 MHz Mode	CH 1(Low Channel), CH 36(MID Channel), CH 72(High Channel)	2405.5 MHz, 2440.5 MHz, 2476.5 MHz
20 MHz Mode	CH 1(Low Channel), CH 32(MID Channel), CH 63(High Channel)	2410.5 MHz, 2441.5 MHz, 2472.5 MHz
40 MHz Mode	CH 1(Low Channel), CH 16(MID Channel), CH 31(High Channel)	2422.5 MHz, 2437.5 MHz, 2452.5 MHz

5.5. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter under 2400 ~ 2483.5MHz Band							
Test Software DjiSdrConsole							
	Transmit Antenna Number	Test Software setting value					
Modulation Mode							
WIOGE		Low Channel	MID Channel	High Channel			
All	All	Default	Default	Default			



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5.6. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	Maximum Antenna Gain (dBi)	
0	2405.5 ~ 2476.5	Dipole	2.5	
1	2405.5 ~ 2476.5	Dipole	2.5	

MIMO output power port and MIMO PSD port summing were performed in accordance with KDB 662911 D01. For the STBC mode results the Directional Gain was calculated in accordance with the following mothed.

For output power measurements:

Directional gain= GANT + Array Gain = 2.5 dBi

GANT: equal to the gain of the antenna having the highest gain

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \le 4$

For power spectral density (PSD) measurements:

Directional gain= Gant + Array Gain = 2.5 dBi

G_{ANT}: equal to the gain of the antenna having the highest gain

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \le 4$

Test Mode	Transmit and Receive Mode	Description		
1.4 MHz Mode	⊠ 2TX, 4RX	ANT 0,1 can be used as transmitting antenna. ANT 0,1, 2, 3 can be used as receiving antenna.		
1.4 MHz CA Mode	⊠ 2TX, 4RX	ANT 0,1 can be used as transmitting antenna. ANT 0,1, 2, 3 can be used as receiving antenna.		
3 MHz Mode	⊠ 2TX, 4RX	ANT 0,1 can be used as transmitting antenna. ANT 0,1, 2, 3 can be used as receiving antenna.		
3 MHz CA Mode	⊠ 2TX, 4RX	ANT 0,1 can be used as transmitting antenna. ANT 0,1, 2, 3 can be used as receiving antenna.		
10 MHz Mode	⊠ 2TX, 4RX	ANT 0,1 can be used as transmitting antenna. ANT 0,1, 2, 3 can be used as receiving antenna.		
20 MHz Mode	⊠ 2TX, 4RX	ANT 0,1 can be used as transmitting antenna. ANT 0,1, 2, 3 can be used as receiving antenna.		
40 MHz Mode	⊠ 2TX, 4RX	ANT 0,1 can be used as transmitting antenna. ANT 0,1, 2, 3 can be used as receiving antenna.		

Note: 1. The value of the antenna gain was declared by customer.

2. SRD 2.4G and SRD 5.8G can't transmit simultaneously.



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5.7. THE WORSE CASE CONFIGURATIONS

The EUT was tested in the following configuration(s):

Controlled in test mode using a software application on the EUT supplied by customer. The application was used to enable a continuous transmission and to select the mode, test channels, bandwidth, data rates as required.

Test channels referring to section 5.4.

Maximum power setting referring to section 5.5.

Worst case Data Rates declared by the customer:

SRD 2.4G-1.4 MHz Mode/QPSK

SRD 2.4G-1.4 MHz CA Mode/QPSK

SRD 2.4G-3 MHz Mode/QPSK

SRD 2.4G-3 MHz CA Mode/QPSK

SRD 2.4G-10 MHz Mode/QPSK

SRD 2.4G-20 MHz Mode/QPSK

SRD 2.4G-40 MHz Mode/QPSK

The EUT has 4 separate antennas which correspond to 4 separate antenna ports, core ANT 0, core ANT 1, core ANT 2, core ANT 3 correspond to antenna 0, antenna 1, antenna 2, antenna 3 respectively, the EUT only support 2TX4RX mode, antenna 0 and antenna 1 used as transmit antennas and all the 4 antennas can use as receive antennas.

The EUT support SISO and MIMO mode, and both the two modes use the same power setting, so MIMO mode shall be the worst case and all tests were performed with MIMO mode.

The measured additional path loss was included in any path loss calculations for all RF cable used during tested.

Radiated emissions tests were performed with the MIMO modes. These were found to be the worst modulation scheme with regards to emissions after preliminary investigations and, as this mode emits the highest conducted output power level, it was deemed to be the worst case.



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5.8. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remarks
1	Laptop	Lenovo	E42-80	/

I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	USB	Type C	Unshielded	1.0	/

ACCESSORIES

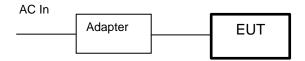
Item	Accessory	Brand Name	Model Name	Description
1	Adapter	1	PD-30CN	Input: AC 100 ~ 240 V, 50/60 Hz Output: DC 5 V, 3 A

TEST SETUP

The EUT can work in engineering mode with a software through a laptop.

SETUP DIAGRAM FOR TESTS

For Conducted Emission Test for AC Power Port Test:



For other tests:





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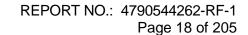
6. MEASURING EQUIPMENT AND SOFTWARE USED

Last time calibration information:

R&S TS 8997 Test System							
Equipment	Manufacturer	Model No.	Serial No.	Last C	Cal.	Due. Date	
Power sensor, Power Meter	R&S	OSP120	100921	Mar.2, 2	2022	Mar.1, 2023	
Vector Signal Generator	R&S	SMBV100A	261637	Oct.30,	2021	Oct.29, 2022	
Signal Generator	R&S	SMB100A	178553	Oct.30,	2021	Oct.29, 2022	
Signal Analyzer	R&S	FSV40	101118	Oct.30, 2021		Oct.29, 2022	
Software							
Description Manu		facturer	Nam	ne		Version	
For R&S TS 8997 Test System Rohde &		Schwarz	EMC	32		10.60.10	

Tonsend RF Test System								
Equipment	Manufacturer	Mod	del No.	Serial No.	Last C	al.	Due. Date	
PXA Signal Analyzer	Keysight	ysight N9030A		MY55410512	Oct.30, 2021		Oct.29, 2022	
MXG Vector Signal Generator	Keysight	eysight N5182B		MY56200284	Oct.30, 2021		Oct.29, 2022	
MXG Vector Signal Generator	Keysight	sight N5172B		MY56200301	Oct.30, 2021		Oct.29, 2022	
	Software							
Description Manufactur		urer	urer Name				Version	
Tonsend SRD Test Sys	tem Tonser	nd	JS1	1120-3 RF Test System		2	.6.77.0518	

Other Instruments									
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.				
Dual Channel Power Meter	Keysight	N1912A	MY55416024	Oct.30, 2021	Oct.29, 2022				
Power Sensor	Keysight	USB Wideband Power Sensor	MY5100022	Oct.30, 2021	Oct.29, 2022				
Atttenuator	Agilent	8495B	2814a12853	Oct.30, 2021	Oct.29, 2022				





Conducted Emissions Manufacturer Equipment Model No. Serial No. Last Cal. Due Date **EMI Test** R&S ESR3 101961 Oct.30, 2021 Oct.29, 2022 Receiver Two-Line V-R&S **ENV216** 101983 Oct.30, 2021 Oct.29, 2022 Network Software Description Manufacturer Name Version EZ-EMC Test Software for Conducted Emissions Farad Ver. UL-3A1

	Radiated Emissions				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Oct.30, 2021	Oct.29, 2022
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130959	Aug.02, 2021	Aug.01, 2024
Preamplifier	HP	8447D	2944A09099	Oct.30, 2021	Oct.29, 2022
EMI Measurement Receiver	R&S	ESR26	101377	Oct.30, 2021	Oct.29, 2022
Horn Antenna	TDK	HRN-0118	130940	July 20, 2021	July 19, 2024
Preamplifier	TDK	PA-02-0118	TRS-305- 00067	Oct.30, 2021	Oct.29, 2022
Horn Antenna	Schwarzbeck	BBHA9170	697	July 20, 2021	July 19, 2024
Preamplifier	TDK	PA-02-2	TRS-307- 00003	Oct.31, 2021	Oct.30, 2022
Preamplifier	TDK	PA-02-3	TRS-308- 00002	Oct.31, 2021	Oct.30, 2022
Loop antenna	Schwarzbeck	1519B	80000	Dec.14, 2021	Dec.13, 2024
Preamplifier	TDK	PA-02-001- 3000	TRS-302- 00050	Oct.31, 2021	Oct.30, 2022
High Pass Filter	Wi	WHKX10- 2700-3000- 18000-40SS	23	Oct.31, 2021	Oct.30, 2022
Band Reject Filter	Wainwright	WRCJV8- 2350-2400- 2483.5- 2533.5-40SS	4	Oct.31, 2021	Oct.30, 2022
	Software				
]	Description		Manufacturer	Name	Version
Test Software	for Radiated E	Emissions	Farad	EZ-EMC	Ver. UL-3A1



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This time calibration information:

This time calibration information:									
	R&S TS 8997 Test System								
Equipment		Manufacturer		Model	No.	Serial No.	Last C	al.	Due. Date
Power sensor, Power M	eter	R&S	3	OSP1	20	100921	Apr.02, 2	2022	Apr.01, 2023
Vector Signal Generat	or	R&S	3	SMBV1	00A	261637	Oct.17, 2	2022	Oct.16, 2023
Signal Generator		R&S	3	SMB10)0A	178553	Oct.17, 2	2022	Oct.16, 2023
Signal Analyzer		R&S	3	FSV4	Ю	101118	Oct.17, 2	2022	Oct.16, 2023
Software									
Description	Description		Manufacturer		Nam	ie		Version	
For R&S TS 8997 Test \$	Syste	m Rohde & Schwarz		rz	EMC	32		10.60.10	
		То	nsen	d RF Tes	st Sy	/stem			
Equipment	Man	ufacturer	Mod	del No.	S	Serial No.	Last C	Cal.	Due. Date
PXA Signal Analyzer	Ke	eysight	N9	030A	MY	′55410512	Oct.17,	2022	Oct.16, 2023
MXG Vector Signal Generator	Ke	Keysight N		5182B	MY	′56200284	Oct.17,	2022	Oct.16, 2023
MXG Vector Signal Generator Keysight N		N5	5172B	MY	′56200301	Oct.17,	2022	Oct.16, 2023	
Software									
Description Manu		Manufac	turer			Name			Version
Tonsend SRD Test Syst	em	Tonse	nd	JS1	120-	3 RF Test S	ystem	2	.6.77.0518

Conducted Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
EMI Test Receiver	R&S	ESR3	101961	Oct.17, 2022	Oct.16, 2023
Two-Line V- Network	R&S	ENV216	101983	Oct.17, 2022	Oct.16, 2023
Software					
Description			Manufacturer	Name	Version
Test Software for Conducted Emissions			Farad	EZ-EMC	Ver. UL-3A1



Radiated Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Equipment	Manufacturer	Model No.	Serial No.	Lasi Cai.	Due Date
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Oct.17, 2022	Oct.16, 2023
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130959	Aug.02, 2021	Aug.01, 2024
Preamplifier	HP	8447D	2944A09099	Oct.17, 2022	Oct.16, 2023
EMI Measurement Receiver	R&S	ESR26	101377	Oct.17, 2022	Oct.16, 2023
Horn Antenna	TDK	HRN-0118	130940	July 20, 2021	July 19, 2024
Preamplifier	TDK	PA-02-0118	TRS-305- 00067	Oct.17, 2022	Oct.16, 2023
Horn Antenna	Schwarzbeck	BBHA9170	697	July 20, 2021	July 19, 2024
Preamplifier	TDK	PA-02-2	TRS-307- 00003	Oct.17, 2022	Oct.16, 2023
Preamplifier	TDK	PA-02-3	TRS-308- 00002	Oct.17, 2022	Oct.16, 2023
Loop antenna	Schwarzbeck	1519B	80000	Dec.14, 2021	Dec.13, 2024
Preamplifier	TDK	PA-02-001- 3000	TRS-302- 00050	Oct.17, 2022	Oct.16, 2023
High Pass Filter	Wi	WHKX10- 2700-3000- 18000-40SS	23	Oct.17, 2022	Oct.16, 2023
Band Reject Filter	Wainwright	WRCJV8- 2350-2400- 2483.5- 2533.5-40SS	4	Oct.17, 2022	Oct.16, 2023
		So	ftware		
[Description		Manufacturer	Name	Version
Test Software	for Radiated E	missions	Farad	EZ-EMC	Ver. UL-3A1

	Other Instruments					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.	
Dual Channel Power Meter	Keysight	N1912A	MY55416024	Oct.17, 2022	Oct.16, 2023	
Power Sensor	Keysight	USB Wideband Power Sensor	MY5100022	Oct.17, 2022	Oct.16, 2023	
Atttenuator	Agilent	8495B	2814a12853	Oct.17, 2022	Oct.16, 2023	

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7. ANTENNA PORT TEST RESULTS

7.1. CONDUCTED OUTPUT POWER

LIMITS

CFR 47 FCC Part15 (15.247) Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	
CFR 47 FCC 15.247(b)(3)	Average Output Power	1 watt or 30 dBm	2400-2483.5	

TEST PROCEDURE

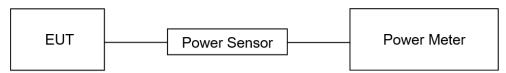
Refer to ANSI C63.10-2013 clause 11.9.2.3.1.

Connect the EUT to a low loss RF cable from the antenna port to the power sensor (video bandwidth is greater than the occupied bandwidth).

Measure peak emission level, the indicated level is the average output power, after any corrections for external attenuators and cables.

The test result in dBm by adding [10 log (1 / D)], where D is the duty cycle.

TEST SETUP



TEST ENVIRONMENT

Temperature	24.3 °C	Relative Humidity	55 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 7.2 V

TEST RESULTS

Please refer to section "Test Data" - Appendix C

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7.2. 6DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

LIMITS

CFR 47 FCC Part15 (15.247) Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	
CFR 47 FCC 15.247(a)(2)	6 dB Bandwidth	≥ 500 kHz	2400-2483.5	

TEST PROCEDURE

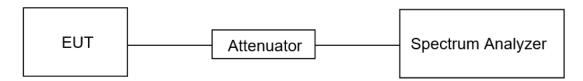
Refer to ANSI C63.10-2013 clause 11.8 for DTS bandwidth and clause 6.9 for Occupied Bandwidth.

Connect the EUT to the spectrum analyzer and use the following settings:

Center Frequency	The center frequency of the channel under test
Frequency Span	For 6 dB Bandwidth: Enough to capture all products of the modulation carrier emission For 99 % Occupied Bandwidth: Between 1.5 times and 5.0 times the OBW
Detector	Peak
IRRW	For 6 dB Bandwidth: 100 kHz For 99 % Occupied Bandwidth: 1 % to 5 % of the occupied bandwidth
IV/B\/\/	For 6 dB Bandwidth: ≥3 x RBW For 99 % Occupied Bandwidth: ≥3 x RBW
Trace	Max hold
Sweep	Auto couple

- a) Use the 99 % power bandwidth function of the instrument, allow the trace to stabilize and report the measured bandwidth.
- b) Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

TEST SETUP





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TEST ENVIRONMENT

Temperature	24.3 °C	Relative Humidity	55 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 7.2 V

TEST RESULTS

Please refer to section "Test Data" - Appendix A & B



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7.3. POWER SPECTRAL DENSITY

LIMITS

CFR 47 FCC Part15 (15.247) Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	
CFR 47 FCC §15.247 (e)	Power Spectral Density	8 dBm in any 3 kHz band	2400-2483.5	

TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.10.3.

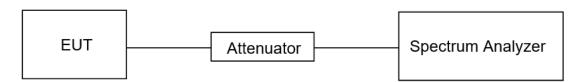
Connect the EUT to the spectrum analyzer and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	power averaging (rms)
RBW	3 kHz ≤ RBW ≤ 100 kHz
VBW	≥3 × RBW
Span	1.5 x OBW bandwidth
Trace	Average or Peak
Sweep time	Auto couple

Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

TEST SETUP



TEST ENVIRONMENT

Temperature	24.3 °C	Relative Humidity	55 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 7.2 V

TEST RESULTS

Please refer to section "Test Data" - Appendix D



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7.4. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

LIMITS

CFR 47 FCC Part15 (15.247) Subpart C		
Section	Test Item	Limit
CFR 47 FCC §15.247 (d) CFR 47 FCC §15.247 (d) Conducted Bandedge and Spurious Emissions at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power		

TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.11 and 11.13.

Connect the EUT to the spectrum analyzer and use the following settings for reference level measurement:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	100 kHz
VBW	≥3 × RBW
Span	1.5 x DTS bandwidth
Trace	Max hold
Sweep time	Auto couple.

Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level.

Change the settings for emission level measurement:

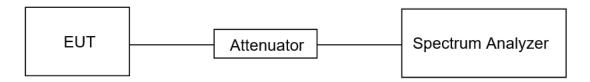
	Set the center frequency and span to encompass frequency range to be measured
Detector	Peak
RBW	100 kHz
VBW	≥3 × RBW
measurement points	≥span/RBW
Trace	Max hold
Sweep time	Auto couple.

Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level. Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11.



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TEST SETUP



TEST ENVIRONMENT

Temperature	24.3 °C	Relative Humidity	55 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 7.2 V

TEST RESULTS

Please refer to section "Test Data" - Appendix E & F



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7.5. DUTY CYCLE

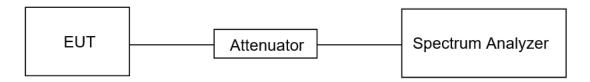
LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.6 Zero – Span Spectrum Analyzer method.

TEST SETUP



TEST ENVIRONMENT

Temperature	24.3 °C	Relative Humidity	55 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 7.2 V

TEST RESULTS

Please refer to section "Test Data" - Appendix G



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8. RADIATED TEST RESULTS

LIMITS

Please refer to CFR 47 FCC §15.205 and §15.209.

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz ~ 1 GHz)

Emissions radiated outside of the specified frequency bands above 30 MHz			
Frequency Range	Field Strength Limit	Field Stren	
(MHz)	(uV/m) at 3 m	(dBuV/m)	
		Quasi-l	Peak
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	
Above 1000	500	Peak	Average
Above 1000	500	74	54

FCC Emissions radiated outside of the specified frequency bands below 30 MHz		
Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30

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FCC Restricted bands of operation refer to FCC §15.205 (a):

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

Note: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. ²Above 38.6c

Limits of unwanted/undesirable emission out of the restricted bands refer to CFR 47 FCC §15.407 (b).

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1GHz)		
Frequency Range	EIRP Limit	Field Strength Limit
(MHz)	EIRP LIIIIIL	(dBuV/m) at 3 m
5150~5250 MHz	PK: -27 (dBm/MHz)	PK:68.2(dBµV/m)
	PK: -27 (dBm/MHz) *1	PK: 68.2(dBµV/m) *1
5725~5850 MHz	PK: 10 (dBm/MHz) *2	PK: 105.2 (dBµV/m) *2
	PK: 15.6 (dBm/MHz) *3	PK: 110.8(dBµV/m) *3
	PK: 27 (dBm/MHz) *4	PK: 122.2 (dBµV/m) *4

Note:

^{*1} beyond 75 MHz or more above of the band edge.

^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.



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TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyzer

RBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto

- 1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.4.
- 2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 80 cm above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.
- 5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.
- 6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak and average detector mode remeasured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak and average detector and reported.
- 7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.
- 8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω . For example, the measurement frequency X KHz resulted in a level of Y dBuV/m, which is equivalent to Y-51.5 = Z dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.



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Below 1 GHz and above 30 MHz

The setting of the spectrum analyzer

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

- 1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.5.
- 2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 80 cm above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.



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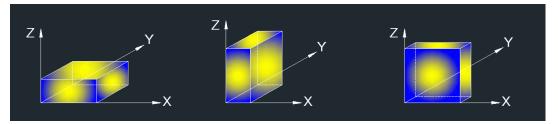
Above 1 GHz

The setting of the spectrum analyzer

RBW	1 MHz
VBW	PEAK: 3 MHz AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

- 1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.6.
- 2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 1.5 m above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
- 6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.5. DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

For Restricted Bandedge:

Note:

- 1. Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. Peak: Peak detector.
- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.5.
- 6. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
- 7. Both horizontal and vertical have been tested, only the worst data was recorded in the report.
- 8. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

For Radiate Spurious emission (9 kHz ~ 30 MHz):

Note

- 1. Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
- 3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
- 4. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

For Radiate Spurious Emission (30 MHz \sim 1 GHz):

Note:

- 1. Result Level = Read Level + Correct Factor.
- 2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
- 3. All modes, channels and antennas have been tested, only the worst data was recorded in the report.



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For Radiate Spurious Emission (1 GHz ~ 3 GHz):

- 1. Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. Peak: Peak detector.
- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.5.
- 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
- 8. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

For Radiate Spurious Emission (3 GHz ~ 18 GHz):

Note:

- 1. Peak Result = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. Peak: Peak detector.
- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.5.
- 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
- 8. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

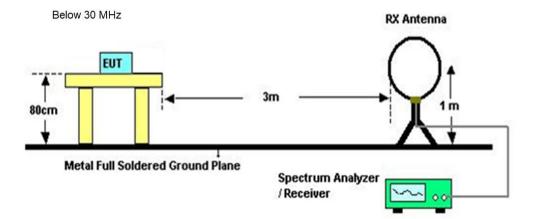
For Radiate Spurious emission (18 GHz ~ 26 GHz):

Note:

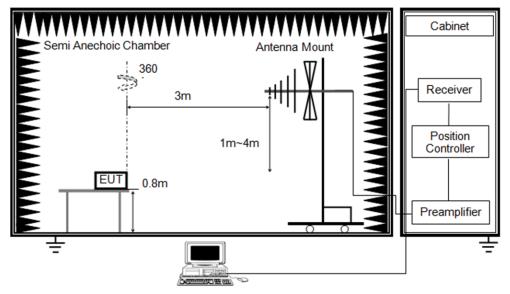
- 1. Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. Peak: Peak detector.
- 4. All modes, channels and antennas have been tested, only the worst data was recorded in the report.



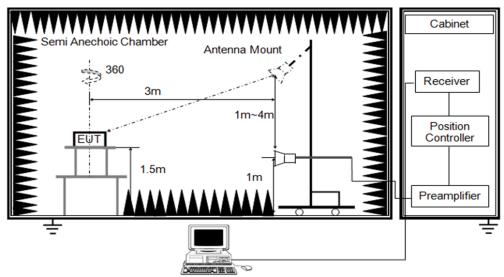
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1 GHz





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TEST ENVIRONMENT

Temperature	25.5 °C	Relative Humidity	56 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 7.2 V

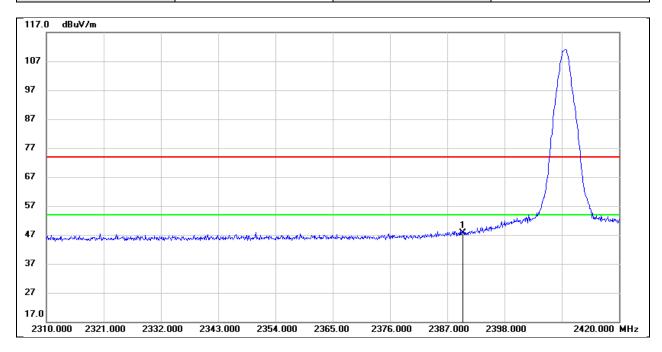
TEST RESULTS



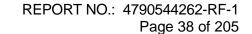
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8.1. RESTRICTED BANDEDGE

Test Mode:	1.4 MHz PEAK	Channel:	2409.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

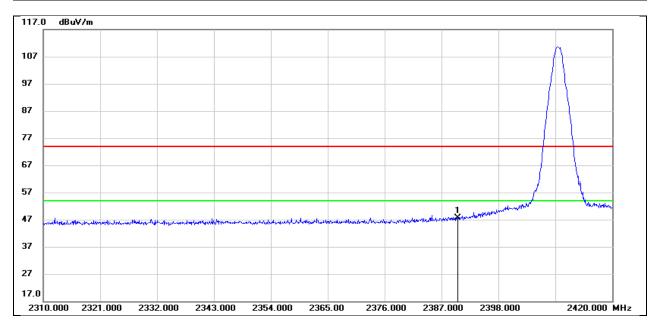


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	15.45	32.16	47.61	74.00	-26.39	peak

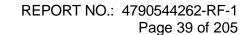




Test Mode:	1.4 MHz PEAK	Channel:	2409.5 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V

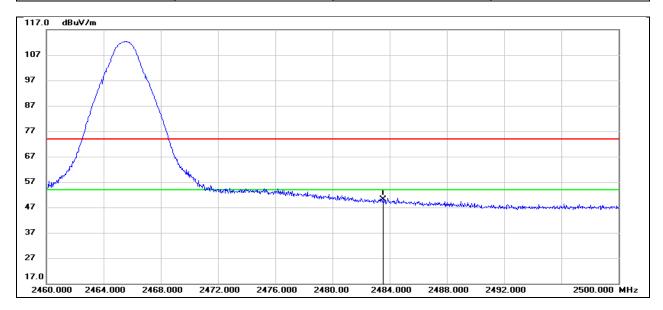


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390 000	15.55	32 16	47 71	74 00	-26.29	neak

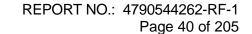




Test Mode:	1.4 MHz PEAK	Channel:	2465.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

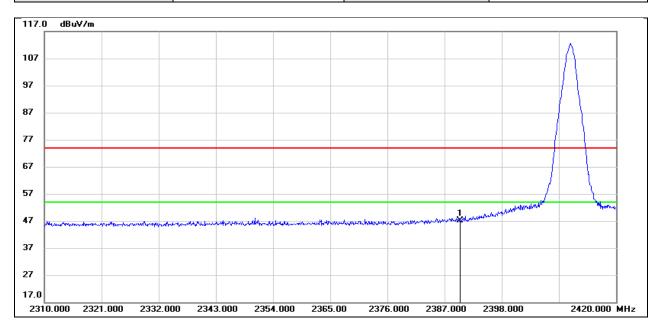


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	17.64	32.44	50.08	74.00	-23.92	peak

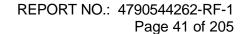




Test Mode:	1.4 MHz CA Mode PEAK	Channel:	2411.12 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

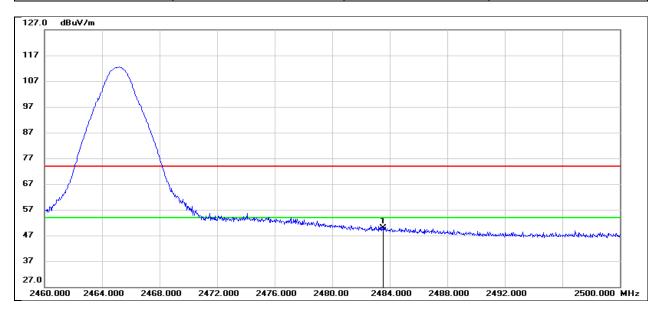


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	14.88	32.16	47.04	74.00	-26.96	peak

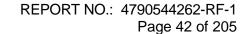




Test Mode: 1.4 MHz CA Mode PEAK Channel: 2465.12 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V

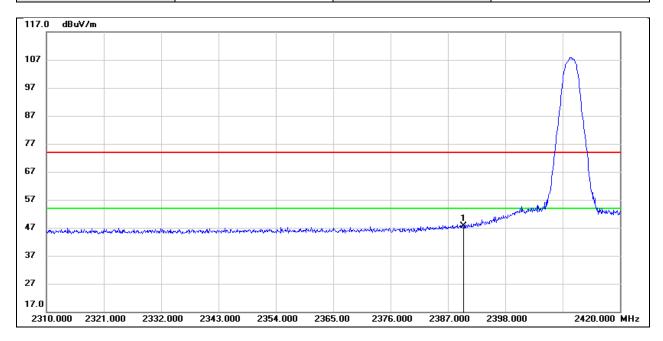


No	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	17.45	32.44	49.89	74.00	-24.11	peak

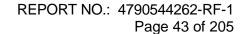




Test Mode:	3 MHz PEAK	Channel:	2410.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

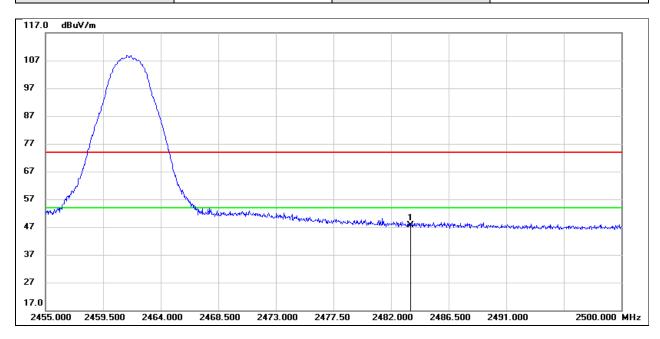


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	15.52	32.16	47.68	74.00	-26.32	peak

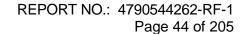




Test Mode: 3 MHz PEAK Channel: 2461.5 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V

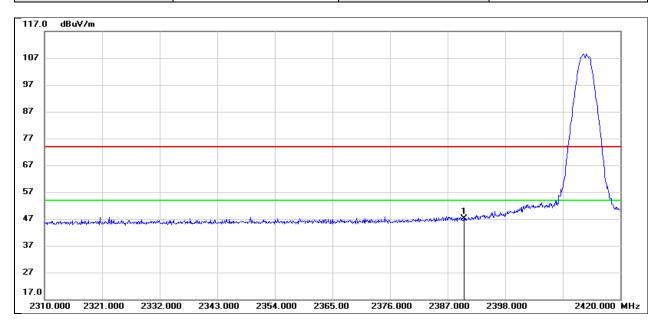


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	15.09	32.44	47.53	74.00	-26.47	peak

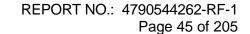




Test Mode: 3 MHz CA Mode PEAK Channel: 2413.2 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V

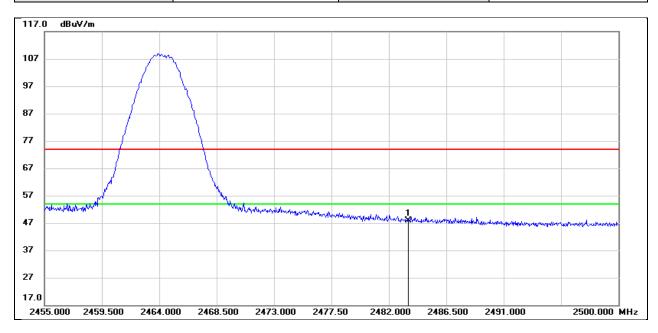


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	15.03	32.16	47.19	74.00	-26.81	peak

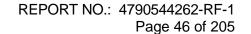




Test Mode:	3 MHz CA Mode PEAK	Channel:	2464.2 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

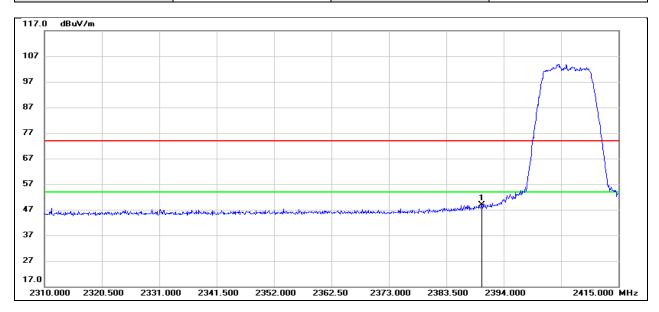


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	15.45	32.44	47.89	74.00	-26.11	peak

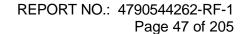




Test Mode: 10 MHz PEAK Channel: 2405.5 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V

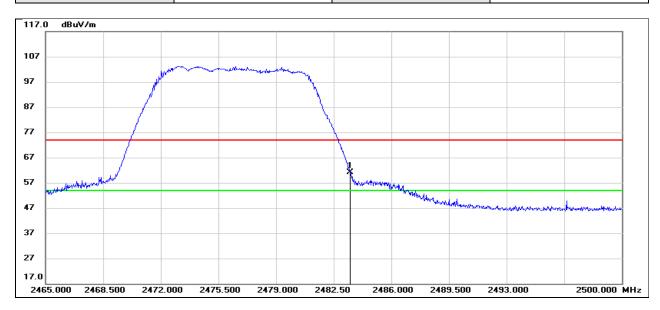


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390,000	16.68	32.16	48.84	74.00	-25.16	peak

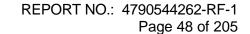




Test Mode: 10 MHz PEAK Channel: 2476.5 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V

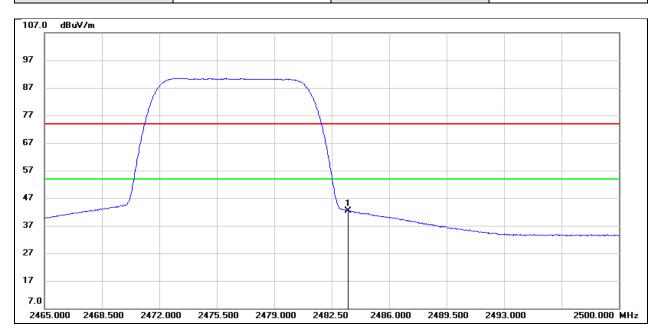


	No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Γ	1	2483.500	28.58	32.44	61.02	74.00	-12.98	peak

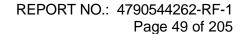




Test Mode:	10 MHz Average	Channel:	2476.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

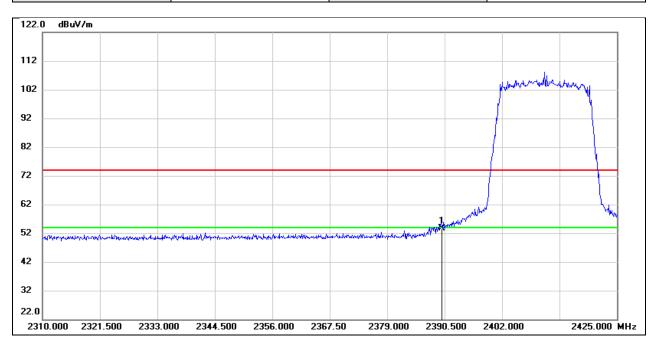


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	9.85	32.44	42.29	54.00	-11.71	AVG

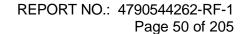




Test Mode: 20 MHz PEAK Channel: 2410.5 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V

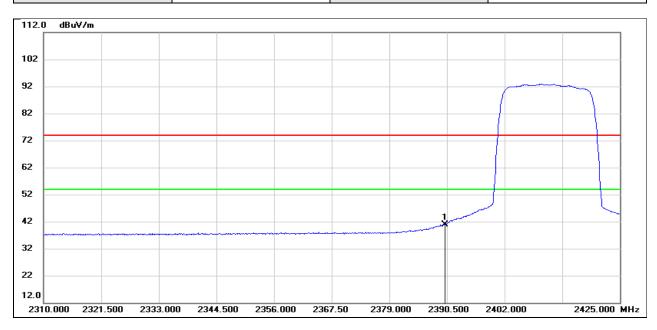


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	21.50	32.16	53.66	74.00	-20.34	peak

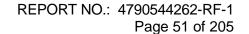




Test Mode: 20 MHz Average Channel: 2410.5 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V

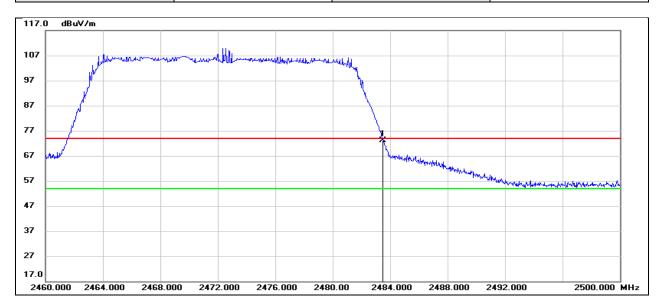


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	8.83	32.16	40.99	54.00	-13.01	AVG

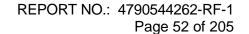




Test Mode: 20 MHz PEAK Channel: 2472.5 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V

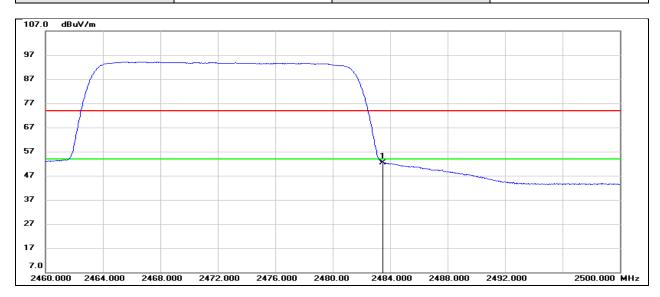


	No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
ſ		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Ī	1	2483.500	40.65	32.44	73.09	74.00	-0.91	peak

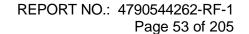




Test Mode: 20 MHz Average Channel: 2472.5 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V

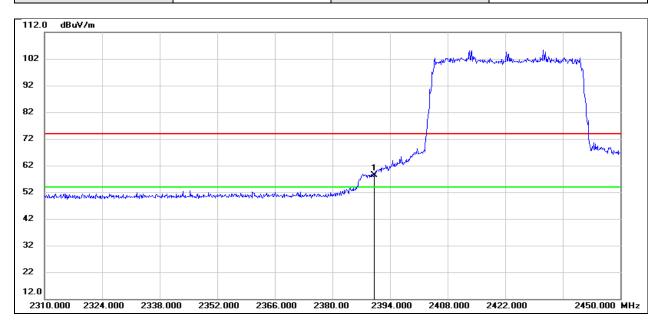


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	19.92	32.44	52.36	54.00	-1.64	AVG

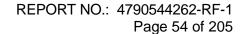




Test Mode: 40 MHz PEAK Channel: 2422.5 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V

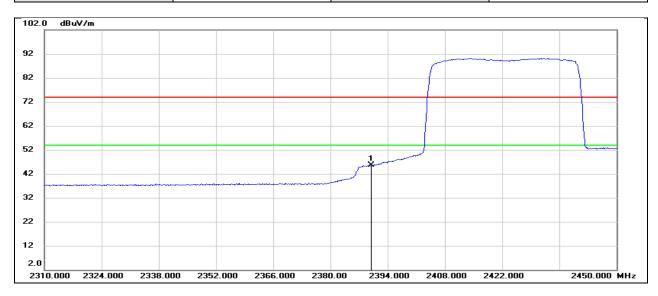


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.10	32.16	58.26	74.00	-15.74	peak

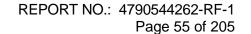




Test Mode: 40 MHz Average Channel: 2422.5 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V

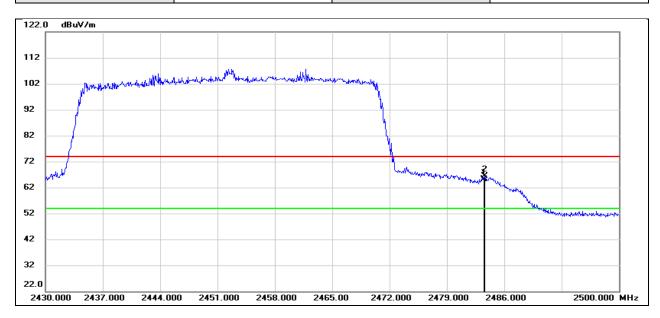


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	13.46	32.16	45.62	54.00	-8.38	AVG

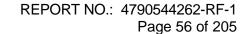




Test Mode: 40 MHz PEAK Channel: 2452.5 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V

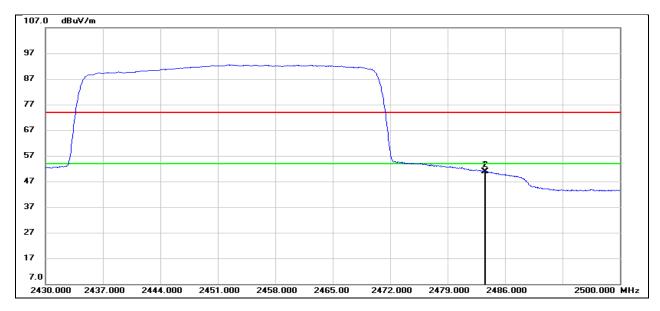


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	32.72	32.44	65.16	74.00	-8.84	peak
2	2483.620	33.94	32.44	66.38	74.00	-7.62	peak





Test Mode:	40 MHz AV	Channel:	2452.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

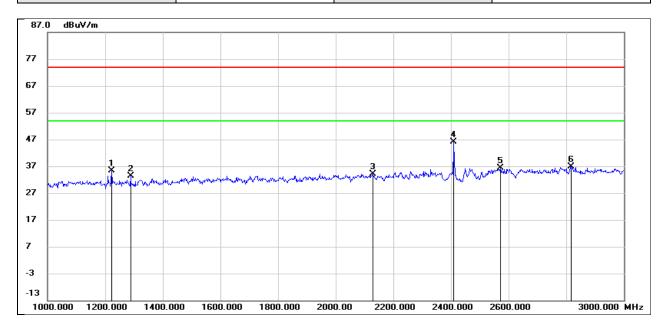


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	18.48	32.44	50.92	54.00	-3.08	AVG
2	2483.620	18.49	32.44	50.93	54.00	-3.07	AVG

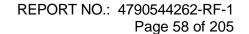
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8.2. SPURIOUS EMISSIONS (1 GHZ ~ 3 GHZ)

Test Mode:	1.4 MHz	Channel:	2409.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

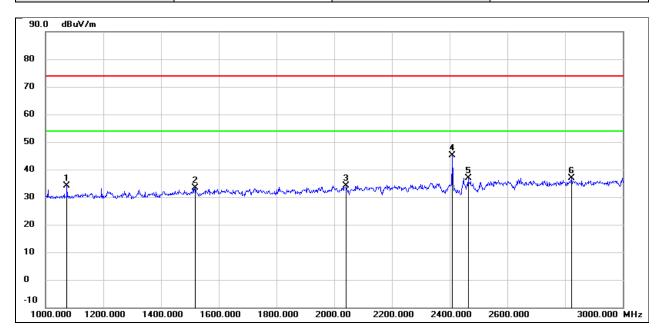


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1222.000	49.28	-14.00	35.28	74.00	-38.72	peak
2	1288.000	46.96	-13.69	33.27	74.00	-40.73	peak
3	2128.000	44.61	-10.40	34.21	74.00	-39.79	peak
4	2410.000	55.14	-8.95	46.19	74.00	-27.81	peak
5	2572.000	44.56	-8.27	36.29	74.00	-37.71	peak
6	2818.000	44.42	-7.53	36.89	74.00	-37.11	peak

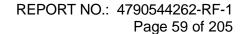




Test Mode:	1.4 MHz	Channel:	2409.5 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V

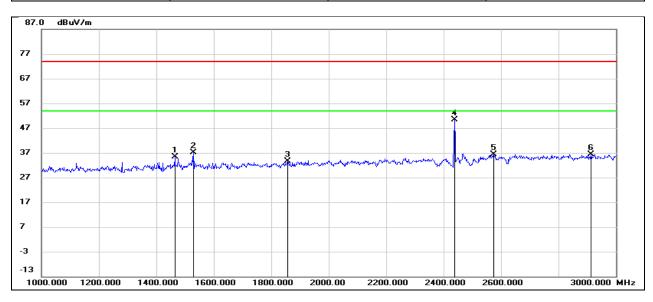


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1074.000	48.71	-14.69	34.02	74.00	-39.98	peak
2	1518.000	45.99	-12.65	33.34	74.00	-40.66	peak
3	2042.000	45.01	-10.84	34.17	74.00	-39.83	peak
4	2410.000	54.08	-8.95	45.13	74.00	-28.87	peak
5	2464.000	45.63	-8.68	36.95	74.00	-37.05	peak
6	2822.000	44.45	-7.51	36.94	74.00	-37.06	peak

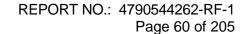




Test Mode: 1.4 MHz Channel: 2437.5 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V

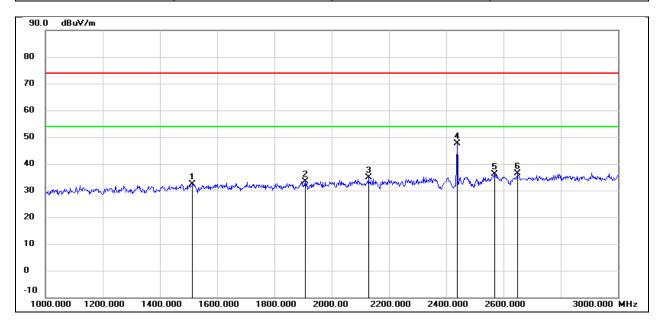


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1464.000	48.27	-12.87	35.40	74.00	-38.60	peak
2	1530.000	49.66	-12.61	37.05	74.00	-36.95	peak
3	1858.000	45.07	-11.53	33.54	74.00	-40.46	peak
4	2438.000	59.11	-8.80	50.31	74.00	-23.69	peak
5	2574.000	44.68	-8.27	36.41	74.00	-37.59	peak
6	2912.000	43.68	-7.25	36.43	74.00	-37.57	peak

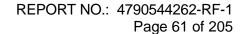




Test Mode:	1.4 MHz	Channel:	2437.5 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V

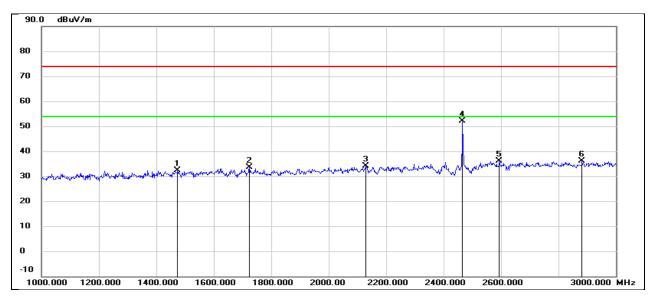


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1514.000	45.10	-12.67	32.43	74.00	-41.57	peak
2	1908.000	44.85	-11.36	33.49	74.00	-40.51	peak
3	2128.000	45.23	-10.40	34.83	74.00	-39.17	peak
4	2438.000	56.35	-8.80	47.55	74.00	-26.45	peak
5	2568.000	44.40	-8.28	36.12	74.00	-37.88	peak
6	2648.000	44.38	-8.04	36.34	74.00	-37.66	peak





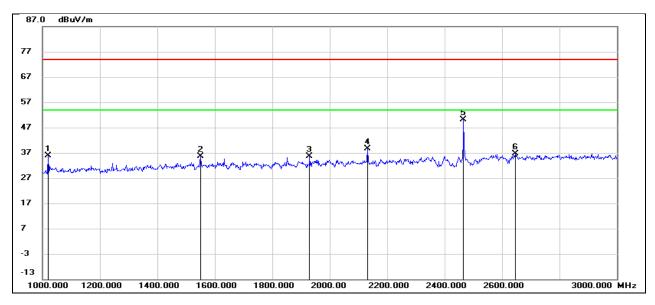
Test Mode:	1.4 MHz	Channel:	2465.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1474.000	45.13	-12.83	32.30	74.00	-41.70	peak
2	1724.000	45.53	-11.97	33.56	74.00	-40.44	peak
3	2130.000	44.40	-10.39	34.01	74.00	-39.99	peak
4	2466.000	60.88	-8.66	52.22	74.00	-21.78	peak
5	2594.000	44.34	-8.20	36.14	74.00	-37.86	peak
6	2882.000	43.36	-7.33	36.03	74.00	-37.97	peak



Test Mode:	1.4 MHz	Channel:	2465.5 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1020.000	50.70	-14.94	35.76	74.00	-38.24	peak
2	1550.000	48.27	-12.54	35.73	74.00	-38.27	peak
3	1930.000	47.04	-11.29	35.75	74.00	-38.25	peak
4	2132.000	49.07	-10.39	38.68	74.00	-35.32	peak
5	2466.000	58.70	-8.66	50.04	74.00	-23.96	peak
6	2646.000	44.64	-8.05	36.59	74.00	-37.41	peak

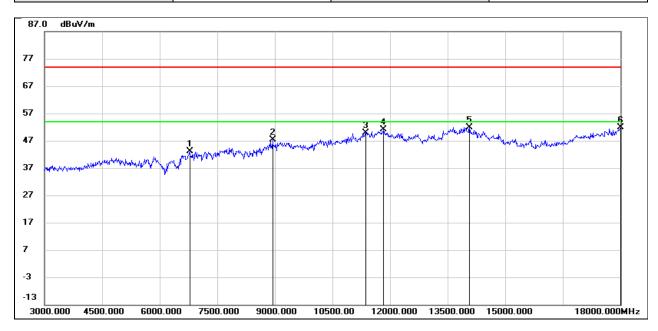


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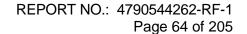
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8.3. SPURIOUS EMISSIONS (3 GHZ ~ 18 GHZ)

Test Mode:	1.4 MHz	Channel:	2409.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

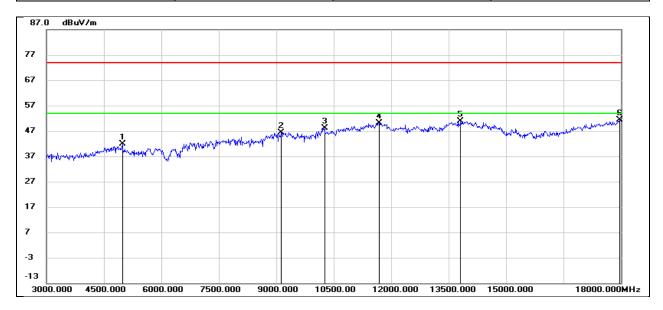


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	6780.000	37.41	5.60	43.01	74.00	-30.99	peak
2	8940.000	37.33	10.04	47.37	74.00	-26.63	peak
3	11370.000	33.72	16.12	49.84	74.00	-24.16	peak
4	11835.000	33.54	17.51	51.05	74.00	-22.95	peak
5	14070.000	30.31	21.67	51.98	74.00	-22.02	peak
6	18000.000	26.11	25.69	51.80	74.00	-22.20	peak

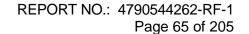




Test Mode:	1.4 MHz	Channel:	2409.5 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V

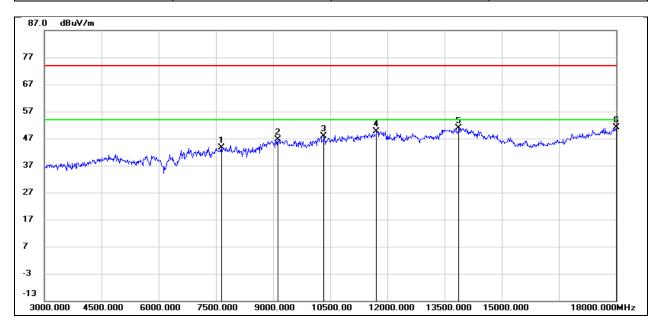


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4980.000	41.45	0.38	41.83	74.00	-32.17	peak
2	9135.000	35.75	10.55	46.30	74.00	-27.70	peak
3	10260.000	35.53	12.52	48.05	74.00	-25.95	peak
4	11685.000	33.03	17.10	50.13	74.00	-23.87	peak
5	13815.000	29.30	21.56	50.86	74.00	-23.14	peak
6	17970.000	25.77	25.51	51.28	74.00	-22.72	peak

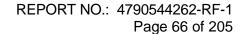




Test Mode:	1.4 MHz	Channel:	2437.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

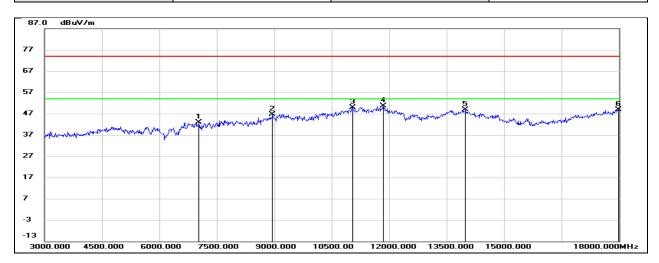


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7650.000	37.37	6.33	43.70	74.00	-30.30	peak
2	9120.000	36.12	10.53	46.65	74.00	-27.35	peak
3	10335.000	35.18	12.67	47.85	74.00	-26.15	peak
4	11715.000	32.53	17.19	49.72	74.00	-24.28	peak
5	13875.000	29.07	21.70	50.77	74.00	-23.23	peak
6	18000.000	25.35	25.69	51.04	74.00	-22.96	peak





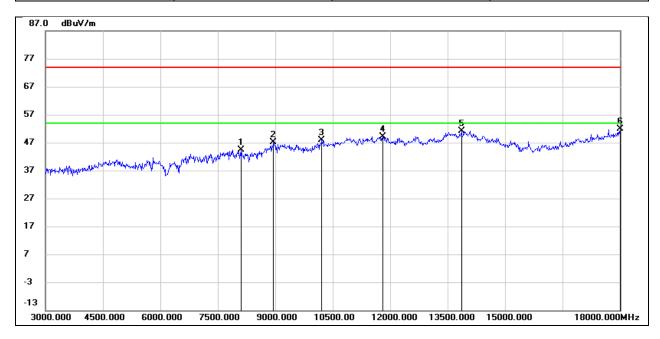
Test Mode:	1.4 MHz	Channel:	2437.5 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V



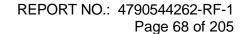
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7035.000	36.23	6.67	42.90	74.00	-31.10	peak
2	8955.000	36.40	10.16	46.56	74.00	-27.44	peak
3	11040.000	34.97	14.91	49.88	74.00	-24.12	peak
4	11850.000	33.17	17.56	50.73	74.00	-23.27	peak
5	13995.000	26.92	21.95	48.87	74.00	-25.13	peak
6	17985.000	23.27	25.60	48.87	74.00	-25.13	peak



Test Mode:	1.4 MHz	Channel:	2465.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

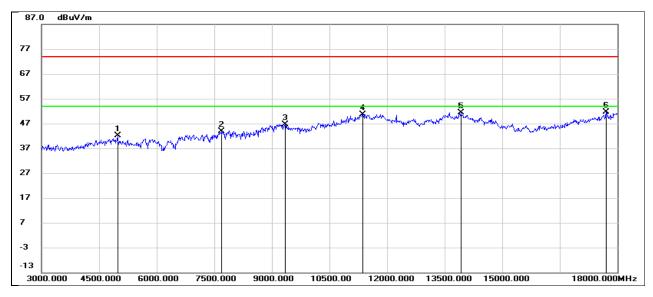


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	8115.000	38.00	6.43	44.43	74.00	-29.57	peak
2	8955.000	36.98	10.16	47.14	74.00	-26.86	peak
3	10215.000	35.40	12.43	47.83	74.00	-26.17	peak
4	11805.000	31.70	17.43	49.13	74.00	-24.87	peak
5	13860.000	29.41	21.67	51.08	74.00	-22.92	peak
6	18000.000	26.17	25.69	51.86	74.00	-22.14	peak





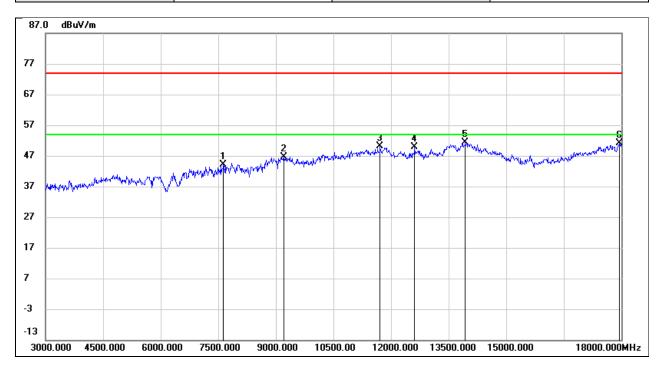
Test Mode:	1.4 MHz	Channel:	2465.5 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4980.000	41.74	0.38	42.12	74.00	-31.88	peak
2	7680.000	37.68	6.32	44.00	74.00	-30.00	peak
3	9345.000	35.97	10.63	46.60	74.00	-27.40	peak
4	11370.000	34.56	16.12	50.68	74.00	-23.32	peak
5	13920.000	29.56	21.79	51.35	74.00	-22.65	peak
6	17700.000	27.73	23.91	51.64	74.00	-22.36	peak



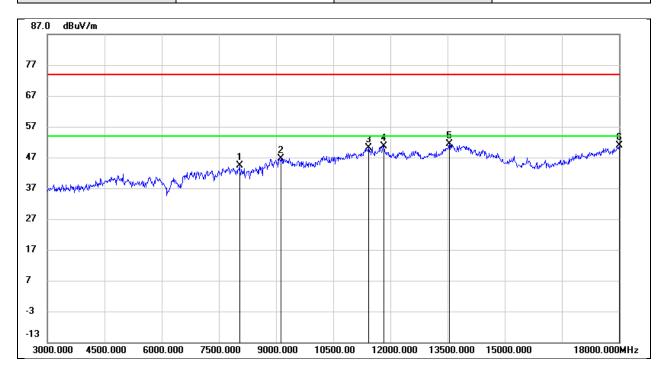
Test Mode:	1.4 MHz CA Mode	Channel:	2411.12 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7635.000	37.75	6.33	44.08	74.00	-29.92	peak
2	9210.000	36.17	10.57	46.74	74.00	-27.26	peak
3	11715.000	32.89	17.19	50.08	74.00	-23.92	peak
4	12615.000	31.95	17.86	49.81	74.00	-24.19	peak
5	13935.000	29.51	21.82	51.33	74.00	-22.67	peak
6	17940.000	25.86	25.34	51.20	74.00	-22.80	peak



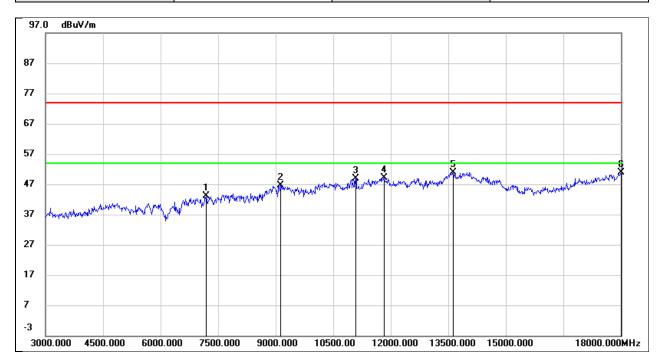
Test Mode:	1.4 MHz CA Mode	Channel:	2411.12 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	8040.000	37.96	6.34	44.30	74.00	-29.70	peak
2	9135.000	36.12	10.55	46.67	74.00	-27.33	peak
3	11430.000	33.83	16.34	50.17	74.00	-23.83	peak
4	11835.000	33.11	17.51	50.62	74.00	-23.38	peak
5	13545.000	30.31	20.99	51.30	74.00	-22.70	peak
6	18000.000	25.22	25.69	50.91	74.00	-23.09	peak



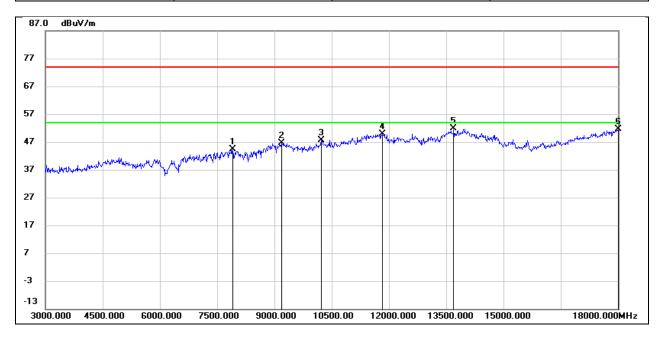
Test Mode:	1.4 MHz CA Mode	Channel:	2437.12 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7185.000	36.61	6.55	43.16	74.00	-30.84	peak
2	9135.000	36.11	10.55	46.66	74.00	-27.34	peak
3	11085.000	33.80	15.08	48.88	74.00	-25.12	peak
4	11820.000	31.72	17.47	49.19	74.00	-24.81	peak
5	13620.000	29.85	21.15	51.00	74.00	-23.00	peak
6	18000.000	25.11	25.69	50.80	74.00	-23.20	peak



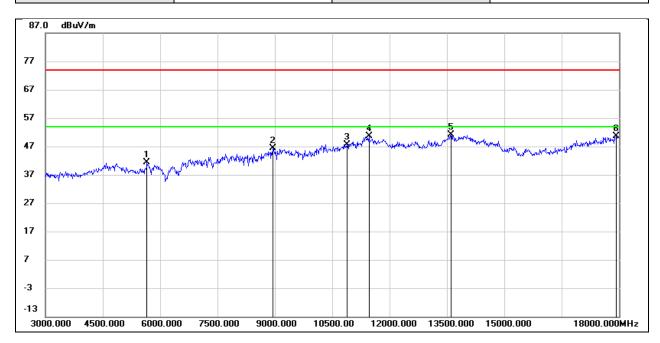
Test Mode:	1.4 MHz CA Mode	Channel:	2437.12 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V



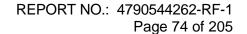
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7905.000	38.09	6.31	44.40	74.00	-29.60	peak
2	9180.000	35.99	10.56	46.55	74.00	-27.45	peak
3	10230.000	35.14	12.46	47.60	74.00	-26.40	peak
4	11835.000	32.34	17.51	49.85	74.00	-24.15	peak
5	13695.000	30.54	21.31	51.85	74.00	-22.15	peak
6	18000.000	25.84	25.69	51.53	74.00	-22.47	peak



Test Mode:	1.4 MHz CA Mode	Channel:	2465.12 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

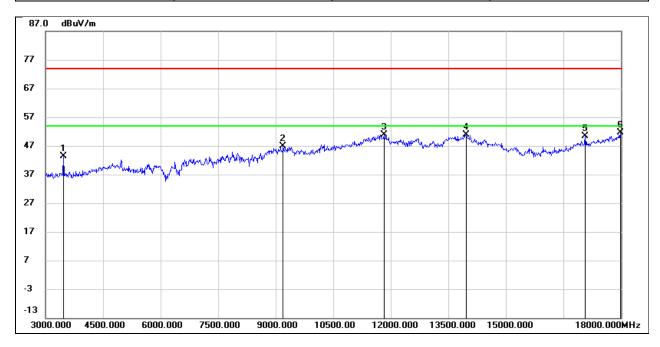


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5655.000	40.12	1.29	41.41	74.00	-32.59	peak
2	8955.000	36.31	10.16	46.47	74.00	-27.53	peak
3	10890.000	33.33	14.39	47.72	74.00	-26.28	peak
4	11460.000	34.12	16.46	50.58	74.00	-23.42	peak
5	13605.000	29.94	21.12	51.06	74.00	-22.94	peak
6	17925.000	25.33	25.25	50.58	74.00	-23.42	peak

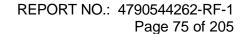




Test Mode:	1.4 MHz CA Mode	Channel:	2465.12 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V

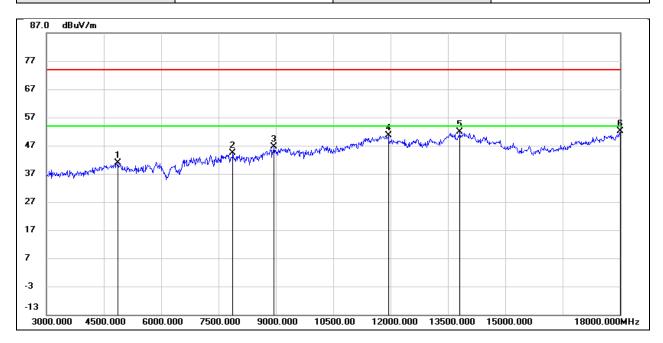


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3465.000	48.43	-4.98	43.45	74.00	-30.55	peak
2	9195.000	36.31	10.56	46.87	74.00	-27.13	peak
3	11820.000	33.50	17.47	50.97	74.00	-23.03	peak
4	13965.000	29.06	21.89	50.95	74.00	-23.05	peak
5	17070.000	29.15	21.15	50.30	74.00	-23.70	peak
6	17985.000	25.99	25.60	51.59	74.00	-22.41	peak

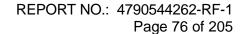




Test Mode:	3 MHz	Channel:	2410.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

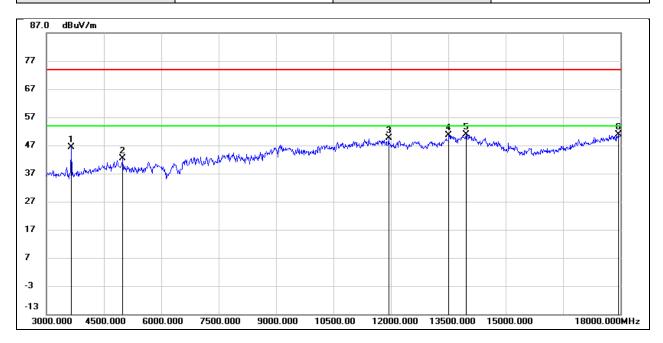


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4875.000	40.91	-0.03	40.88	74.00	-33.12	peak
2	7875.000	37.98	6.31	44.29	74.00	-29.71	peak
3	8955.000	36.51	10.16	46.67	74.00	-27.33	peak
4	11940.000	32.77	17.80	50.57	74.00	-23.43	peak
5	13815.000	30.26	21.56	51.82	74.00	-22.18	peak
6	18000.000	26.51	25.69	52.20	74.00	-21.80	peak

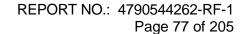




Test Mode:	3 MHz	Channel:	2410.5 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V

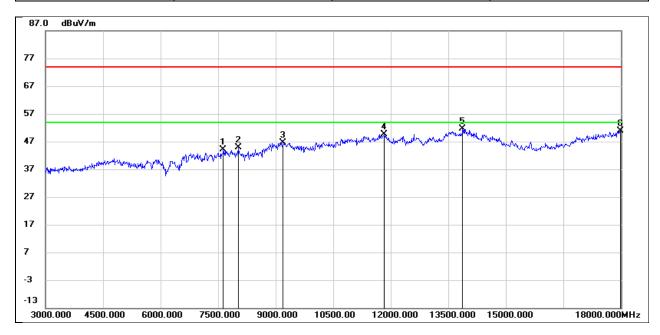


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3645.000	50.98	-4.62	46.36	74.00	-27.64	peak
2	4995.000	41.89	0.43	42.32	74.00	-31.68	peak
3	11940.000	31.73	17.80	49.53	74.00	-24.47	peak
4	13515.000	29.80	20.93	50.73	74.00	-23.27	peak
5	13965.000	28.92	21.89	50.81	74.00	-23.19	peak
6	17940.000	25.59	25.34	50.93	74.00	-23.07	peak

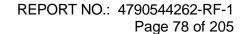




Test Mode:	3 MHz	Channel:	2434.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

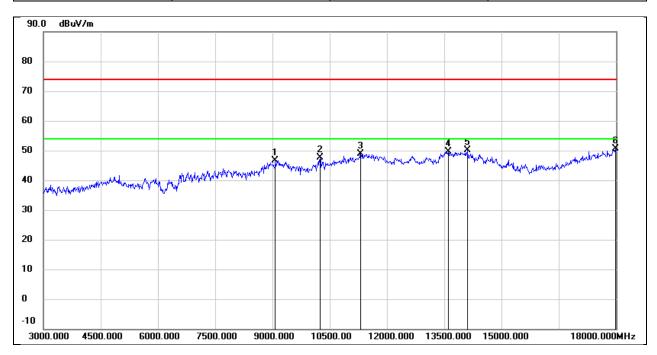


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7635.000	37.68	6.33	44.01	74.00	-29.99	peak
2	8025.000	38.58	6.34	44.92	74.00	-29.08	peak
3	9195.000	36.17	10.56	46.73	74.00	-27.27	peak
4	11835.000	32.12	17.51	49.63	74.00	-24.37	peak
5	13875.000	29.82	21.70	51.52	74.00	-22.48	peak
6	17985.000	25.27	25.60	50.87	74.00	-23.13	peak

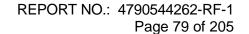




Test Mode:	3 MHz	Channel:	2434.5 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V

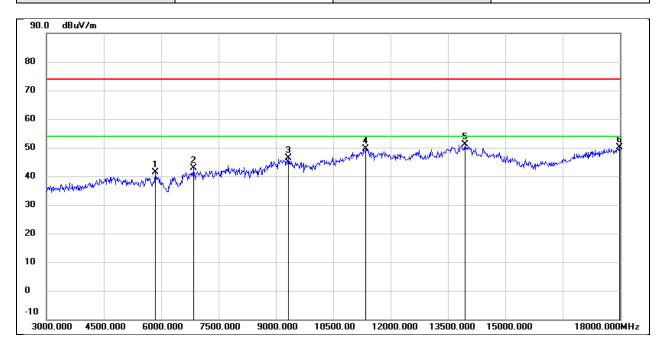


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9075.000	36.11	10.52	46.63	74.00	-27.37	peak
2	10245.000	35.03	12.48	47.51	74.00	-26.49	peak
3	11310.000	33.05	15.91	48.96	74.00	-25.04	peak
4	13605.000	28.54	21.12	49.66	74.00	-24.34	peak
5	14115.000	28.57	21.49	50.06	74.00	-23.94	peak
6	17985.000	24.91	25.60	50.51	74.00	-23.49	peak

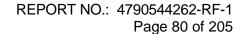




Test Mode:	3 MHz	Channel:	2461.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

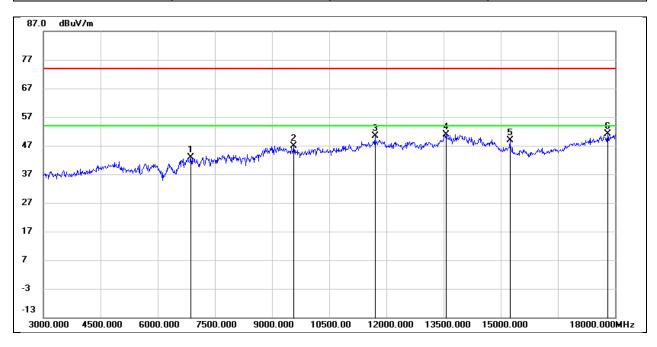


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5850.000	39.45	1.82	41.27	74.00	-32.73	peak
2	6840.000	36.99	5.89	42.88	74.00	-31.12	peak
3	9330.000	35.76	10.62	46.38	74.00	-27.62	peak
4	11355.000	33.47	16.06	49.53	74.00	-24.47	peak
5	13950.000	29.27	21.86	51.13	74.00	-22.87	peak
6	17985.000	24.56	25.60	50.16	74.00	-23.84	peak

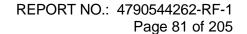




Test Mode: 3 MHz Channel: 2461.5 MHz
Polarity: Vertical Test Voltage: DC 7.2 V

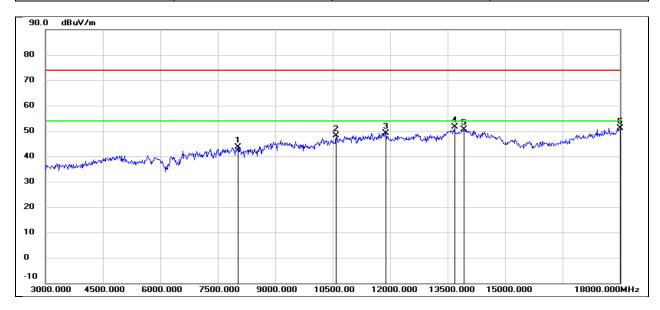


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	6870.000	36.91	6.05	42.96	74.00	-31.04	peak
2	9570.000	35.99	10.87	46.86	74.00	-27.14	peak
3	11700.000	33.23	17.14	50.37	74.00	-23.63	peak
4	13575.000	29.85	21.06	50.91	74.00	-23.09	peak
5	15240.000	31.19	17.65	48.84	74.00	-25.16	peak
6	17805.000	26.51	24.54	51.05	74.00	-22.95	peak

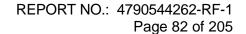




Test Mode: 3 MHz CA Mode Channel: 2413.2 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V

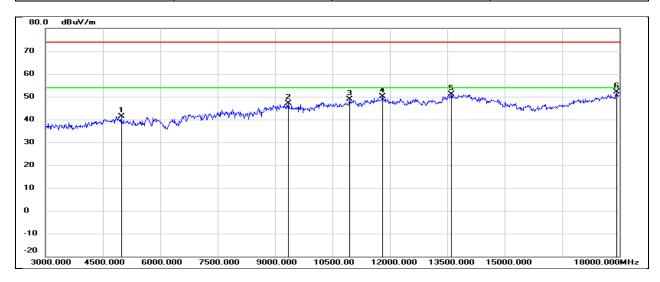


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	8025.000	37.24	6.34	43.58	74.00	-30.42	peak
2	10590.000	34.80	13.32	48.12	74.00	-25.88	peak
3	11895.000	31.53	17.68	49.21	74.00	-24.79	peak
4	13680.000	30.36	21.29	51.65	74.00	-22.35	peak
5	13920.000	28.81	21.79	50.60	74.00	-23.40	peak
6	18000.000	25.51	25.69	51.20	74.00	-22.80	peak





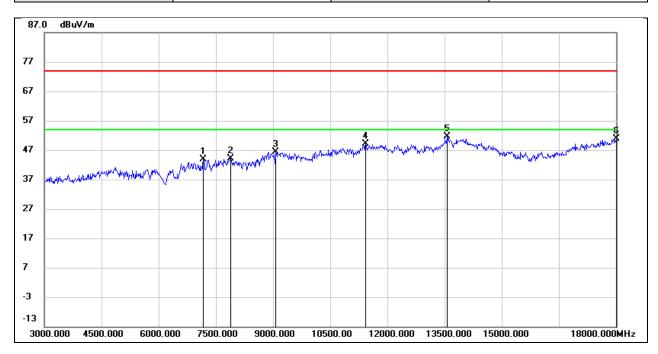
Test Mode: 3 MHz CA Mode Channel: 2413.2 MHz
Polarity: Vertical Test Voltage: DC 7.2 V



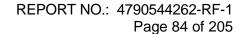
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4980.000	40.99	0.38	41.37	74.00	-32.63	peak
2	9345.000	36.40	10.63	47.03	74.00	-26.97	peak
3	10950.000	34.23	14.60	48.83	74.00	-25.17	peak
4	11805.000	32.69	17.43	50.12	74.00	-23.88	peak
5	13605.000	29.99	21.12	51.11	74.00	-22.89	peak
6	17925.000	26.87	25.25	52.12	74.00	-21.88	peak



Test Mode:	3 MHz CA Mode	Channel:	2437.2 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

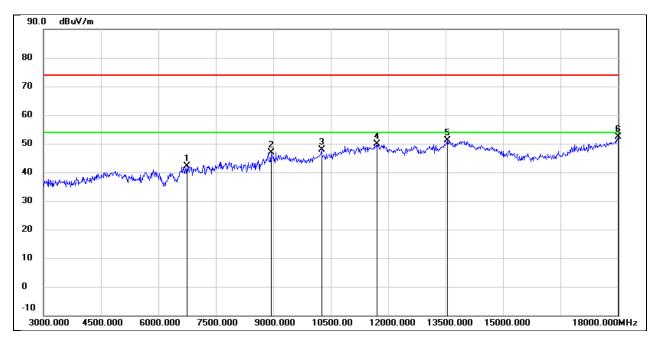


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7170.000	37.35	6.56	43.91	74.00	-30.09	peak
2	7890.000	37.88	6.31	44.19	74.00	-29.81	peak
3	9075.000	35.74	10.52	46.26	74.00	-27.74	peak
4	11430.000	32.79	16.34	49.13	74.00	-24.87	peak
5	13560.000	30.64	21.04	51.68	74.00	-22.32	peak
6	18000.000	25.18	25.69	50.87	74.00	-23.13	peak

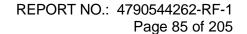




Test Mode: 3 MHz CA Mode Channel: 2437.2 MHz
Polarity: Vertical Test Voltage: DC 7.2 V

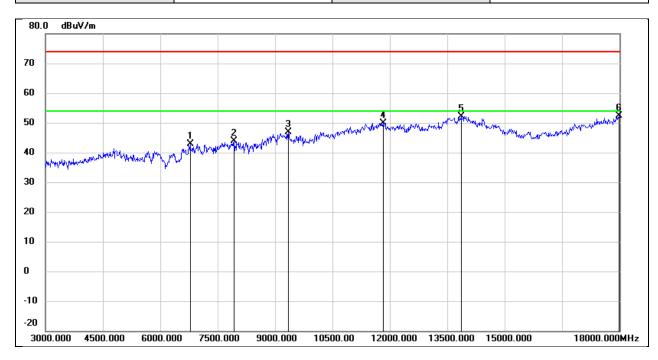


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	6750.000	36.70	5.45	42.15	74.00	-31.85	peak
2	8940.000	36.84	10.04	46.88	74.00	-27.12	peak
3	10260.000	35.47	12.52	47.99	74.00	-26.01	peak
4	11700.000	32.79	17.14	49.93	74.00	-24.07	peak
5	13545.000	30.22	20.99	51.21	74.00	-22.79	peak
6	18000.000	26.68	25.69	52.37	74.00	-21.63	peak

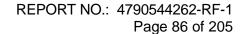




Test Mode: 3 MHz CA Mode Channel: 2464.2 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V



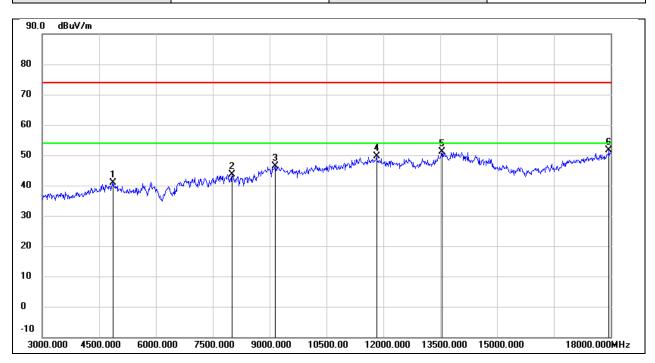
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	6780.000	37.23	5.60	42.83	74.00	-31.17	peak
2	7935.000	37.46	6.32	43.78	74.00	-30.22	peak
3	9345.000	36.34	10.63	46.97	74.00	-27.03	peak
4	11820.000	32.48	17.47	49.95	74.00	-24.05	peak
5	13860.000	30.54	21.67	52.21	74.00	-21.79	peak
6	17985.000	26.73	25.60	52.33	74.00	-21.67	peak



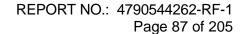


Test Mode: 3 MHz CA Mode Channel: 2464.2 MHz

Polarity: Vertical Test Voltage: DC 7.2 V

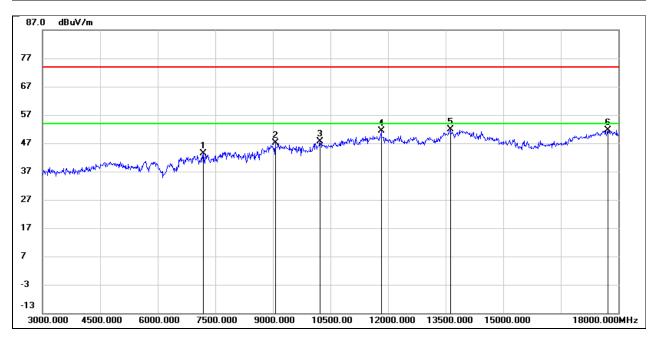


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4860.000	40.97	-0.09	40.88	74.00	-33.12	peak
2	8010.000	37.25	6.32	43.57	74.00	-30.43	peak
3	9150.000	35.74	10.54	46.28	74.00	-27.72	peak
4	11820.000	32.04	17.47	49.51	74.00	-24.49	peak
5	13545.000	30.04	20.99	51.03	74.00	-22.97	peak
6	17955.000	26.24	25.42	51.66	74.00	-22.34	peak

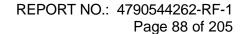




Test Mode:	10 MHz	Channel:	2405.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

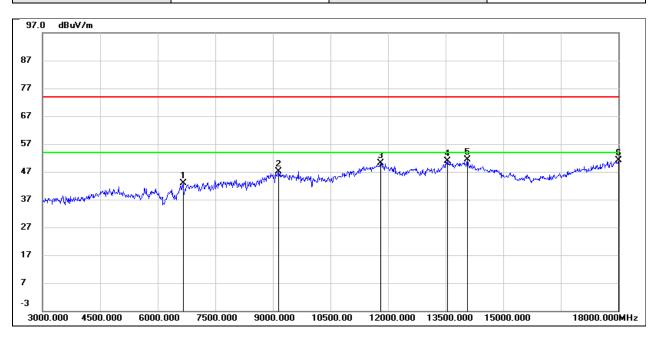


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7185.000	36.78	6.55	43.33	74.00	-30.67	peak
2	9060.000	36.55	10.51	47.06	74.00	-26.94	peak
3	10230.000	35.11	12.46	47.57	74.00	-26.43	peak
4	11820.000	33.99	17.47	51.46	74.00	-22.54	peak
5	13620.000	30.85	21.15	52.00	74.00	-22.00	peak
6	17730.000	27.63	24.09	51.72	74.00	-22.28	peak

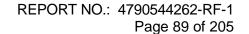




Test Mode: 10 MHz Channel: 2405.5 MHz
Polarity: Vertical Test Voltage: DC 7.2 V

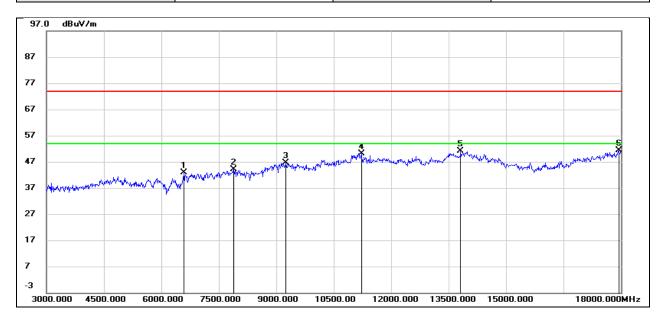


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	6660.000	37.98	5.02	43.00	74.00	-31.00	peak
2	9150.000	36.53	10.54	47.07	74.00	-26.93	peak
3	11805.000	32.70	17.43	50.13	74.00	-23.87	peak
4	13545.000	29.78	20.99	50.77	74.00	-23.23	peak
5	14070.000	29.63	21.67	51.30	74.00	-22.70	peak
6	18000.000	25.37	25.69	51.06	74.00	-22.94	peak

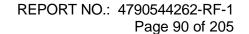




Test Mode:	10 MHz	Channel:	2440.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

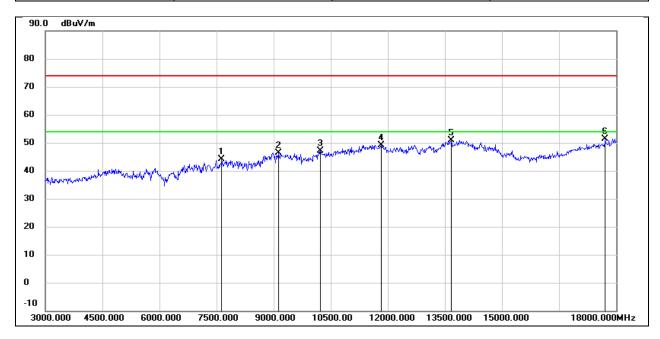


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	6585.000	38.15	4.64	42.79	74.00	-31.21	peak
2	7890.000	37.85	6.31	44.16	74.00	-29.84	peak
3	9255.000	35.94	10.59	46.53	74.00	-27.47	peak
4	11220.000	34.60	15.57	50.17	74.00	-23.83	peak
5	13815.000	29.58	21.56	51.14	74.00	-22.86	peak
6	17940.000	26.15	25.34	51.49	74.00	-22.51	peak

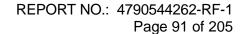




Test Mode:	10 MHz	Channel:	2440.5 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V

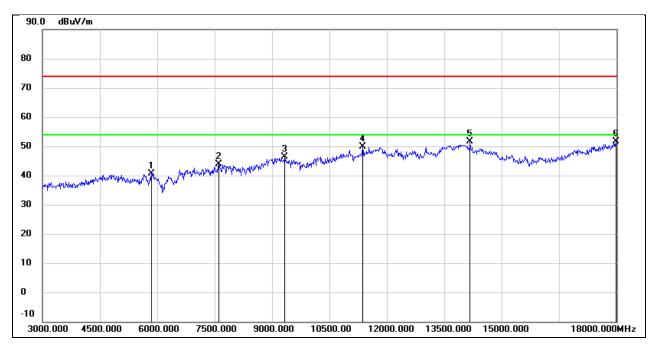


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7635.000	37.84	6.33	44.17	74.00	-29.83	peak
2	9120.000	35.92	10.53	46.45	74.00	-27.55	peak
3	10230.000	34.68	12.46	47.14	74.00	-26.86	peak
4	11835.000	31.62	17.51	49.13	74.00	-24.87	peak
5	13665.000	29.64	21.25	50.89	74.00	-23.11	peak
6	17715.000	27.44	24.00	51.44	74.00	-22.56	peak

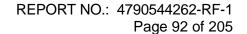




Test Mode: 10 MHz Channel: 2476.5 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V

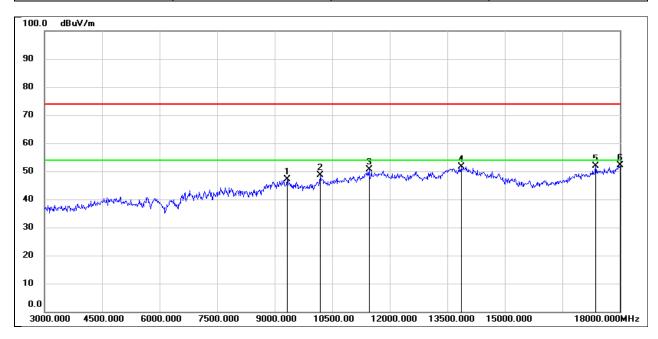


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5850.000	38.91	1.82	40.73	74.00	-33.27	peak
2	7605.000	37.52	6.32	43.84	74.00	-30.16	peak
3	9330.000	35.72	10.62	46.34	74.00	-27.66	peak
4	11370.000	33.68	16.12	49.80	74.00	-24.20	peak
5	14175.000	30.49	21.24	51.73	74.00	-22.27	peak
6	17985.000	25.95	25.60	51.55	74.00	-22.45	peak

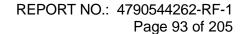




Test Mode:	10 MHz	Channel:	2476.5 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V

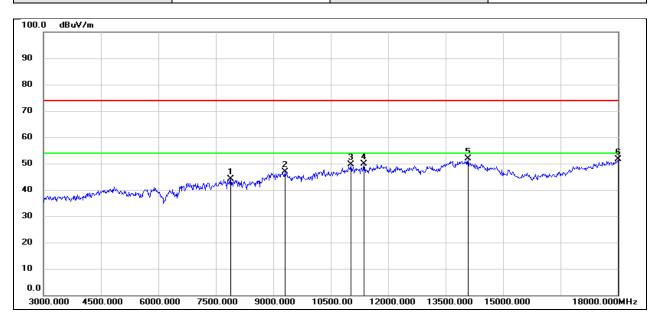


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9330.000	36.47	10.62	47.09	74.00	-26.91	peak
2	10185.000	36.13	12.38	48.51	74.00	-25.49	peak
3	11460.000	34.12	16.46	50.58	74.00	-23.42	peak
4	13860.000	29.91	21.67	51.58	74.00	-22.42	peak
5	17370.000	29.73	22.25	51.98	74.00	-22.02	peak
6	18000.000	26.35	25.69	52.04	74.00	-21.96	peak





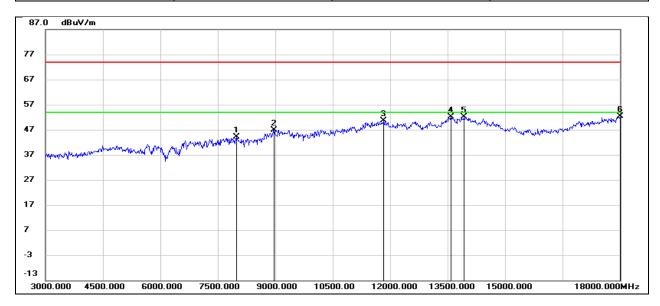
Test Mode: 20 MHz Channel: 2410.5 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V



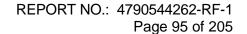
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7890.000	37.75	6.31	44.06	74.00	-29.94	peak
2	9300.000	36.29	10.61	46.90	74.00	-27.10	peak
3	11025.000	34.68	14.85	49.53	74.00	-24.47	peak
4	11370.000	33.72	16.12	49.84	74.00	-24.16	peak
5	14085.000	30.17	21.61	51.78	74.00	-22.22	peak
6	18000.000	26.01	25.69	51.70	74.00	-22.30	peak



Test Mode:	20 MHz	Channel:	2410.5 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V

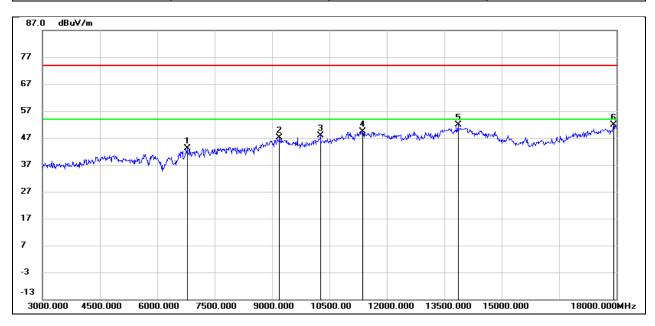


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7995.000	37.73	6.31	44.04	74.00	-29.96	peak
2	8970.000	36.60	10.26	46.86	74.00	-27.14	peak
3	11835.000	33.17	17.51	50.68	74.00	-23.32	peak
4	13590.000	31.00	21.09	52.09	74.00	-21.91	peak
5	13935.000	30.37	21.82	52.19	74.00	-21.81	peak
6	18000.000	26.80	25.69	52.49	74.00	-21.51	peak





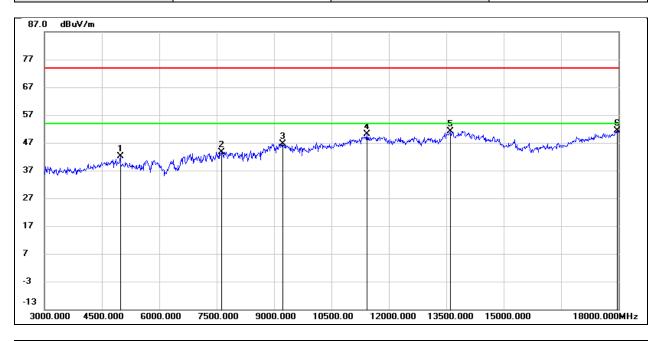
Test Mode: 20 MHz Channel: 2441.5 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V



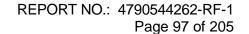
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	6780.000	37.48	5.60	43.08	74.00	-30.92	peak
2	9195.000	36.51	10.56	47.07	74.00	-26.93	peak
3	10260.000	35.39	12.52	47.91	74.00	-26.09	peak
4	11370.000	33.24	16.12	49.36	74.00	-24.64	peak
5	13860.000	30.22	21.67	51.89	74.00	-22.11	peak
6	17925.000	26.63	25.25	51.88	74.00	-22.12	peak



Test Mode:	20 MHz	Channel:	2441.5 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V

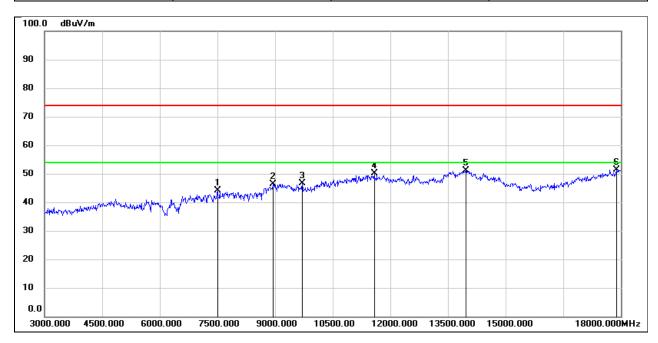


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4980.000	41.86	0.38	42.24	74.00	-31.76	peak
2	7635.000	37.35	6.33	43.68	74.00	-30.32	peak
3	9225.000	36.12	10.58	46.70	74.00	-27.30	peak
4	11430.000	33.85	16.34	50.19	74.00	-23.81	peak
5	13605.000	30.11	21.12	51.23	74.00	-22.77	peak
6	17970.000	25.81	25.51	51.32	74.00	-22.68	peak

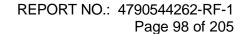




Test Mode:	20 MHz	Channel:	2472.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

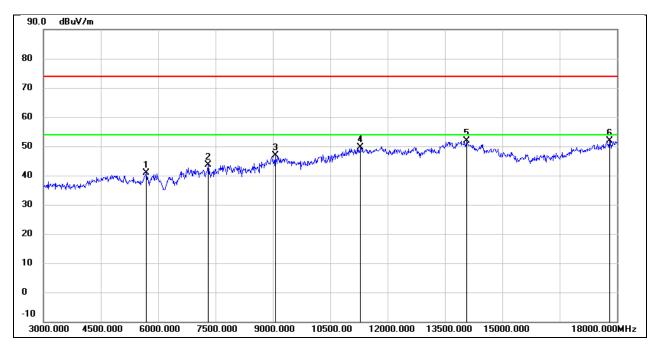


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7500.000	37.72	6.33	44.05	74.00	-29.95	peak
2	8940.000	36.45	10.04	46.49	74.00	-27.51	peak
3	9705.000	35.32	11.23	46.55	74.00	-27.45	peak
4	11580.000	33.22	16.82	50.04	74.00	-23.96	peak
5	13965.000	29.22	21.89	51.11	74.00	-22.89	peak
6	17880.000	26.43	24.98	51.41	74.00	-22.59	peak

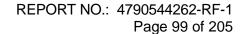




Test Mode: 20 MHz Channel: 2472.5 MHz
Polarity: Vertical Test Voltage: DC 7.2 V

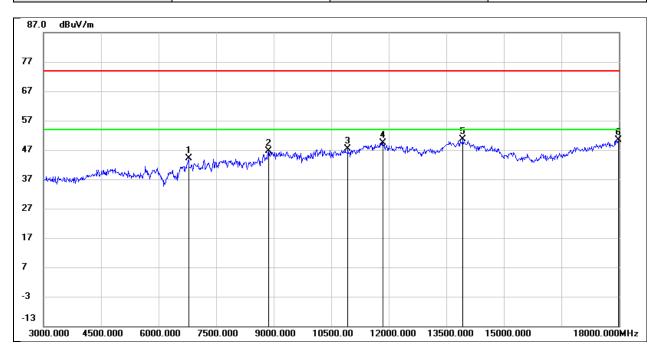


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5685.000	39.39	1.37	40.76	74.00	-33.24	peak
2	7305.000	37.08	6.47	43.55	74.00	-30.45	peak
3	9060.000	36.30	10.51	46.81	74.00	-27.19	peak
4	11295.000	33.70	15.85	49.55	74.00	-24.45	peak
5	14070.000	30.25	21.67	51.92	74.00	-22.08	peak
6	17805.000	27.37	24.54	51.91	74.00	-22.09	peak





Test Mode: 40 MHz Channel: 2422.5 MHz
Polarity: Horizontal Test Voltage: DC 7.2 V

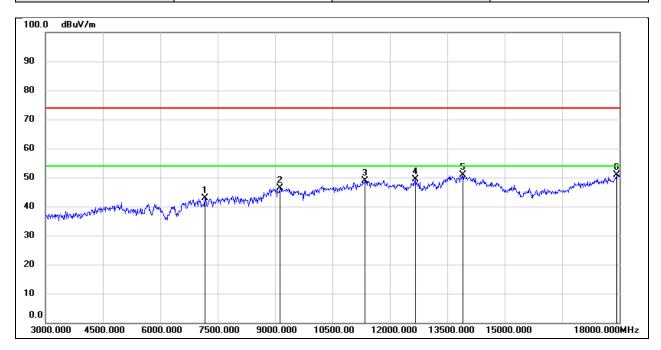


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	6780.000	38.59	5.60	44.19	74.00	-29.81	peak
2	8865.000	37.24	9.50	46.74	74.00	-27.26	peak
3	10935.000	32.82	14.54	47.36	74.00	-26.64	peak
4	11850.000	31.85	17.56	49.41	74.00	-24.59	peak
5	13935.000	28.88	21.82	50.70	74.00	-23.30	peak
6	17985.000	24.86	25.60	50.46	74.00	-23.54	peak

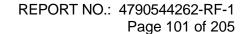


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Test Mode:	40 MHz	Channel:	2422.5 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V

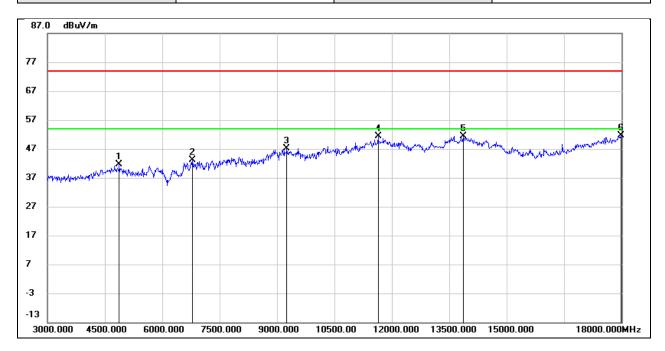


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7170.000	36.27	6.56	42.83	74.00	-31.17	peak
2	9135.000	35.92	10.55	46.47	74.00	-27.53	peak
3	11355.000	32.71	16.06	48.77	74.00	-25.23	peak
4	12660.000	31.43	17.95	49.38	74.00	-24.62	peak
5	13905.000	29.02	21.76	50.78	74.00	-23.22	peak
6	17925.000	25.68	25.25	50.93	74.00	-23.07	peak



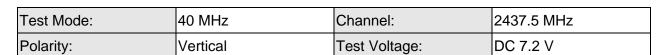


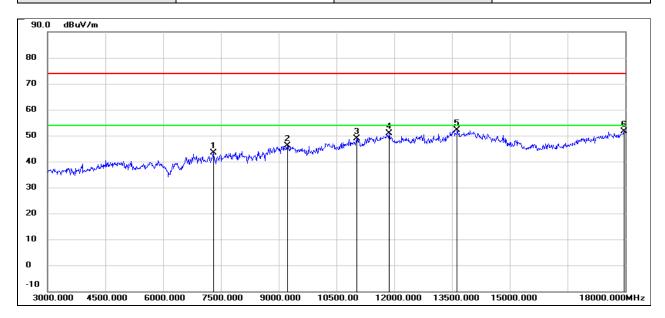
Test Mode:	40 MHz	Channel:	2437.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V



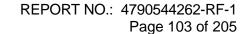
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4875.000	41.60	-0.03	41.57	74.00	-32.43	peak
2	6780.000	37.63	5.60	43.23	74.00	-30.77	peak
3	9255.000	36.64	10.59	47.23	74.00	-26.77	peak
4	11640.000	34.52	16.98	51.50	74.00	-22.50	peak
5	13860.000	29.82	21.67	51.49	74.00	-22.51	peak
6	17985.000	26.05	25.60	51.65	74.00	-22.35	peak





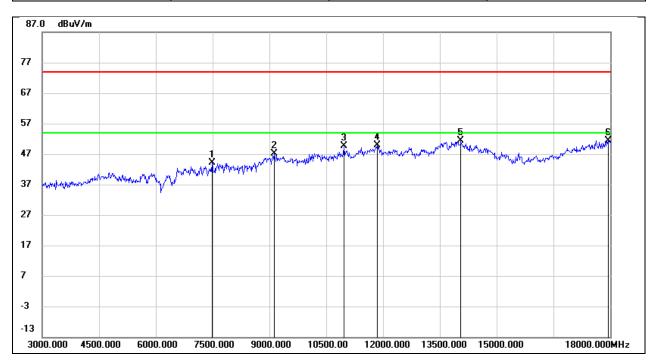


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7305.000	36.87	6.47	43.34	74.00	-30.66	peak
2	9225.000	35.45	10.58	46.03	74.00	-27.97	peak
3	11025.000	34.07	14.85	48.92	74.00	-25.08	peak
4	11865.000	33.19	17.59	50.78	74.00	-23.22	peak
5	13635.000	30.89	21.19	52.08	74.00	-21.92	peak
6	17970.000	26.21	25.51	51.72	74.00	-22.28	peak

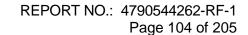




Test Mode:	40 MHz	Channel:	2452.5 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

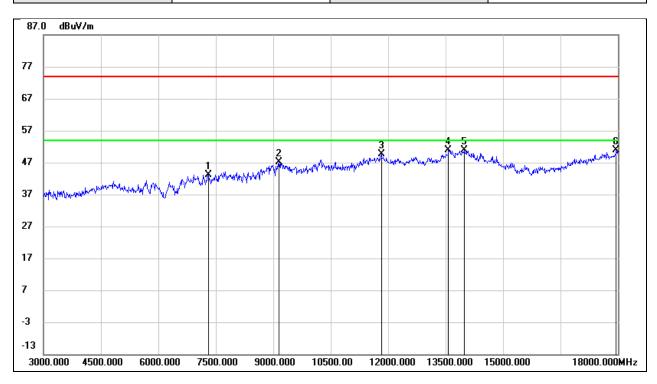


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7485.000	37.83	6.34	44.17	74.00	-29.83	peak
2	9120.000	36.63	10.53	47.16	74.00	-26.84	peak
3	10965.000	34.87	14.64	49.51	74.00	-24.49	peak
4	11850.000	32.27	17.56	49.83	74.00	-24.17	peak
5	14055.000	29.73	21.73	51.46	74.00	-22.54	peak
6	17955.000	26.04	25.42	51.46	74.00	-22.54	peak





Test Mode:	40 MHz	Channel:	2452.5 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V



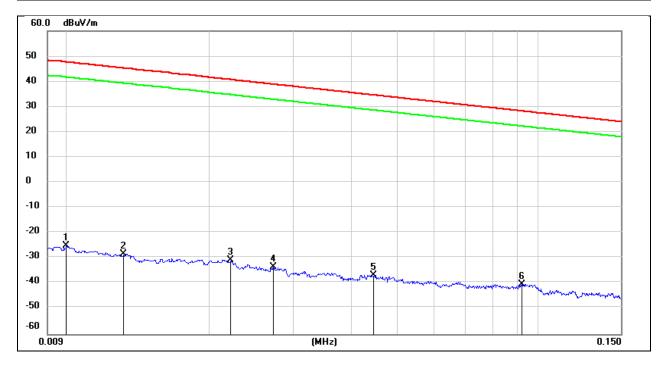
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7305.000	36.78	6.47	43.25	74.00	-30.75	peak
2	9150.000	36.57	10.54	47.11	74.00	-26.89	peak
3	11820.000	32.08	17.47	49.55	74.00	-24.45	peak
4	13575.000	29.70	21.06	50.76	74.00	-23.24	peak
5	13995.000	28.87	21.95	50.82	74.00	-23.18	peak
6	17955.000	25.43	25.42	50.85	74.00	-23.15	peak



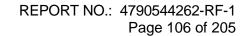
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8.4. SPURIOUS EMISSIONS (9 KHZ ~ 30 MHZ)

Test Mode:	3 MHz CA	Channel:	2413.2 MHz
Polarity:	Loop Antenna Face On To The EUT	Test Voltage:	DC 7.2 V

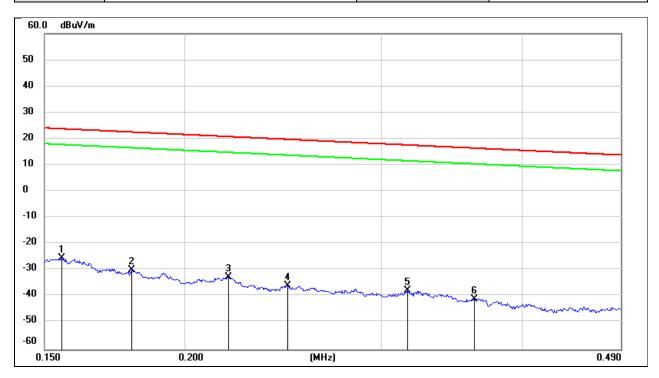


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0100	76.22	-101.40	-25.18	47.60	-72.78	peak
2	0.0131	72.97	-101.38	-28.41	45.25	-73.66	peak
3	0.0221	70.63	-101.35	-30.72	40.71	-71.43	peak
4	0.0273	67.99	-101.38	-33.39	38.88	-72.27	peak
5	0.0446	64.66	-101.45	-36.79	34.61	-71.40	peak
6	0.0922	61.51	-101.74	-40.23	28.31	-68.54	peak





Test Mode:	3 MHz CA	Channel:	2413.2 MHz
Polarity:	Loop Antenna Face On To The EUT	Test Voltage:	DC 7.2 V

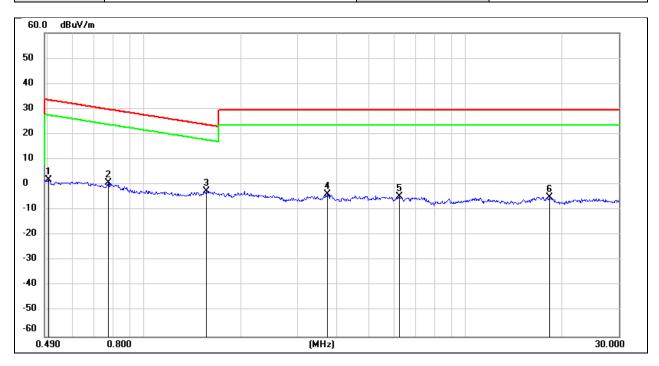


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.1554	76.27	-101.65	-25.38	23.77	-49.15	peak
2	0.1794	71.77	-101.68	-29.91	22.53	-52.44	peak
3	0.2190	69.27	-101.75	-32.48	20.79	-53.27	peak
4	0.2472	65.95	-101.80	-35.85	19.74	-55.59	peak
5	0.3163	64.20	-101.87	-37.67	17.60	-55.27	peak
6	0.3628	61.10	-101.93	-40.83	16.41	-57.24	peak



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Test Mode:	3 MHz CA	Channel:	2413.2 MHz
Polarity:	Loop Antenna Face On To The EUT	Test Voltage:	DC 7.2 V



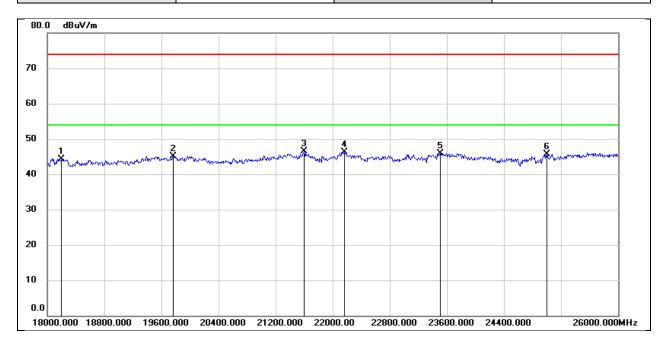
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.5039	63.93	-62.07	1.86	33.56	-31.70	peak
2	0.7737	62.91	-62.13	0.78	29.83	-29.05	peak
3	1.5625	59.46	-62.02	-2.56	23.73	-26.29	peak
4	3.7100	57.70	-61.41	-3.71	29.54	-33.25	peak
5	6.2445	56.63	-61.32	-4.69	29.54	-34.23	peak
6	18.2545	55.93	-60.90	-4.97	29.54	-34.51	peak



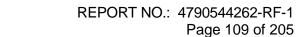
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8.5. SPURIOUS EMISSIONS (18 GHZ ~ 26 GHZ)

Test Mode:	3 MHz CA	Channel:	2413.2 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V

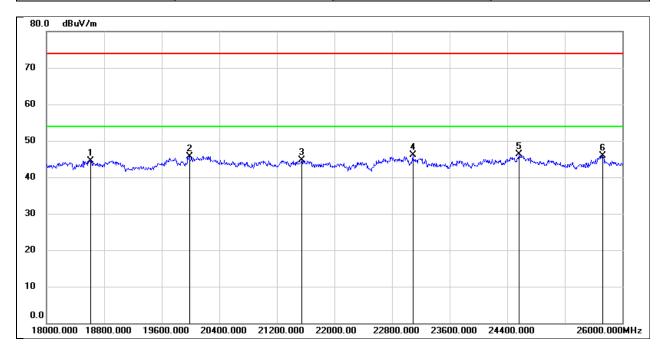


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	18200.000	49.79	-5.52	44.27	74.00	-29.73	peak
2	19768.000	50.42	-5.26	45.16	74.00	-28.84	peak
3	21600.000	51.02	-4.54	46.48	74.00	-27.52	peak
4	22160.000	50.58	-4.31	46.27	74.00	-27.73	peak
5	23504.000	49.12	-3.14	45.98	74.00	-28.02	peak
6	25000.000	47.86	-2.10	45.76	74.00	-28.24	peak





Test Mode:	3 MHz CA	Channel:	2413.2 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V



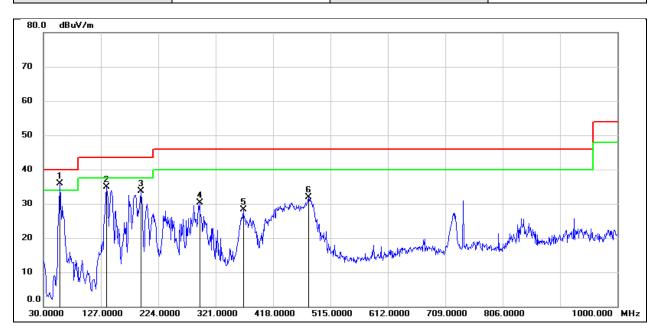
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	18616.000	49.89	-5.34	44.55	74.00	-29.45	peak
2	19984.000	51.21	-5.44	45.77	74.00	-28.23	peak
3	21544.000	49.26	-4.63	44.63	74.00	-29.37	peak
4	23088.000	49.52	-3.41	46.11	74.00	-27.89	peak
5	24568.000	48.60	-2.33	46.27	74.00	-27.73	peak
6	25728.000	46.61	-0.72	45.89	74.00	-28.11	peak



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8.6. SPURIOUS EMISSIONS (30 MHZ ~ 1 GHZ)

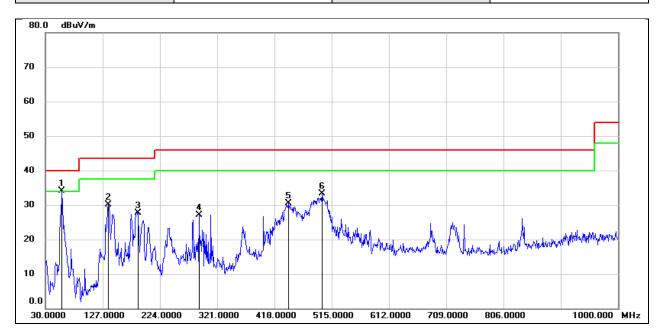
Test Mode:	3 MHz CA	Channel:	2413.2 MHz
Polarity:	Horizontal	Test Voltage:	DC 7.2 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	57.1600	56.48	-20.58	35.90	40.00	-4.10	QP
2	136.7000	53.86	-19.02	34.84	43.50	-8.66	QP
3	194.9000	50.29	-16.49	33.80	43.50	-9.70	QP
4	293.8400	46.03	-15.68	30.35	46.00	-15.65	QP
5	367.5600	42.33	-14.00	28.33	46.00	-17.67	QP
6	478.1400	43.81	-11.83	31.98	46.00	-14.02	QP



Test Mode:	3 MHz CA	Channel:	2413.2 MHz
Polarity:	Vertical	Test Voltage:	DC 7.2 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	58.1300	54.66	-20.55	34.11	40.00	-5.89	QP
2	136.7000	49.07	-19.02	30.05	43.50	-13.45	QP
3	187.1400	44.35	-16.69	27.66	43.50	-15.84	QP
4	289.9600	43.09	-15.91	27.18	46.00	-18.82	QP
5	441.2800	43.06	-12.56	30.50	46.00	-15.50	QP
6	498.5100	44.85	-11.50	33.35	46.00	-12.65	QP

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9. AC POWER LINE CONDUCTED EMISSION

LIMITS

Please refer to CFR 47 FCC §15.207 (a).

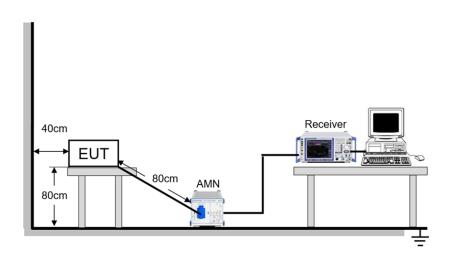
FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

TEST PROCEDURE

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST SETUP



TEST ENVIRONMENT

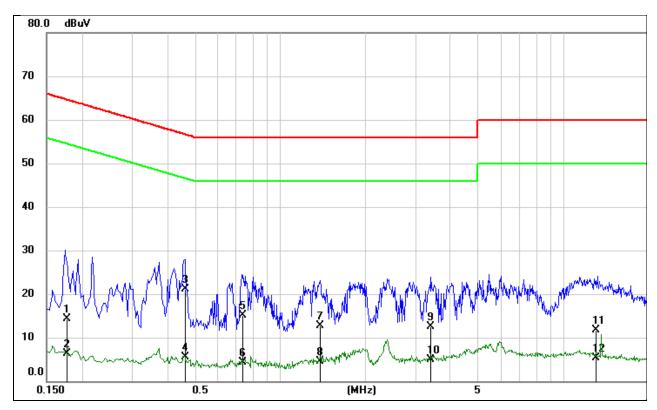
Temperature	23.6 °C	Relative Humidity	53 %
Atmosphere Pressure	101 kPa	Test Voltage	AC 120 V/60 Hz



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TEST RESULTS

Test Mode:	3 MHz CA	Channel:	2413.2 MHz
Line	L1	Test Voltage	AC 120 V/60 Hz



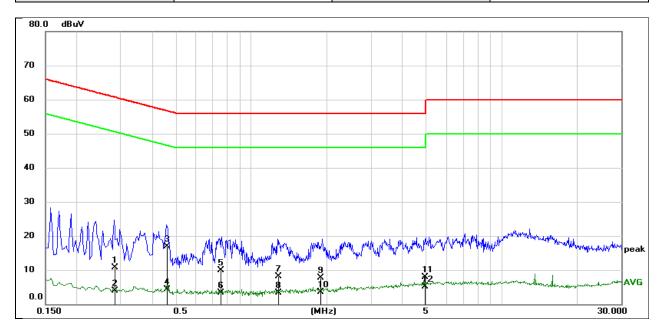
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1774	4.62	9.59	14.21	64.61	-50.40	QP
2	0.1774	-3.20	9.59	6.39	54.61	-48.22	AVG
3	0.4589	11.74	9.34	21.08	56.71	-35.63	QP
4	0.4589	-3.79	9.34	5.55	46.71	-41.16	AVG
5	0.7405	5.56	9.60	15.16	56.00	-40.84	QP
6	0.7405	-5.21	9.60	4.39	46.00	-41.61	AVG
7	1.3784	3.02	9.61	12.63	56.00	-43.37	QP
8	1.3784	-5.07	9.61	4.54	46.00	-41.46	AVG
9	3.4130	2.84	9.61	12.45	56.00	-43.55	QP
10	3.4130	-4.77	9.61	4.84	46.00	-41.16	AVG
11	13.0950	1.85	9.76	11.61	60.00	-48.39	QP
12	13.0950	-4.54	9.76	5.22	50.00	-44.78	AVG

Note

- 1. Result = Reading + Correct Factor.
- 2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
- 4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.



Test Mode:	3 MHz CA	Channel:	2413.2 MHz
Line	N	Test Voltage	AC 120 V/60 Hz



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.2838	1.27	9.51	10.78	60.70	-49.92	QP
2	0.2838	-5.56	9.51	3.95	50.70	-46.75	AVG
3	0.4596	7.58	9.34	16.92	56.70	-39.78	QP
4	0.4596	-4.99	9.34	4.35	46.70	-42.35	AVG
5	0.7568	0.35	9.60	9.95	56.00	-46.05	QP
6	0.7568	-6.34	9.60	3.26	46.00	-42.74	AVG
7	1.2910	-1.55	9.61	8.06	56.00	-47.94	QP
8	1.2910	-6.39	9.61	3.22	46.00	-42.78	AVG
9	1.8856	-1.84	9.62	7.78	56.00	-48.22	QP
10	1.8856	-6.11	9.62	3.51	46.00	-42.49	AVG
11	4.9451	-1.73	9.62	7.89	56.00	-48.11	QP
12	4.9451	-4.49	9.62	5.13	46.00	-40.87	AVG

Note:

- 1. Result = Reading + Correct Factor.
- 2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
- 4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.



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10. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203

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 shall be considered sufficient to comply with the provisions of this section. 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.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

RESULTS

Complies

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TEST DATA

11.1. APPENDIX A: DTS BANDWIDTH 11.1.1. **Test Result**

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
1.4 MHz	Ant0	2409.5	1.11	2408.95	2410.06	≥0.5	PASS
	Ant1	2409.5	1.12	2408.93	2410.05	≥0.5	PASS
	Ant0	2437.5	1.10	2436.95	2438.06	≥0.5	PASS
	Ant1	2437.5	1.09	2436.96	2438.05	≥0.5	PASS
	Ant0	2465.5	1.11	2464.95	2466.06	≥0.5	PASS
	Ant1	2465.5	1.10	2464.95	2466.04	≥0.5	PASS
1.4 MHz CA	Ant0	2411.12	1.10	2410.57	2411.67	≥0.5	PASS
	Ant1	2411.12	1.10	2410.56	2411.66	≥0.5	PASS
	Ant0	2437.12	1.10	2436.57	2437.67	≥0.5	PASS
	Ant1	2437.12	1.10	2436.56	2437.66	≥0.5	PASS
	Ant0	2465.12	1.11	2464.57	2465.68	≥0.5	PASS
	Ant1	2465.12	1.16	2464.55	2465.72	≥0.5	PASS

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
3 MHz	Ant0	2410.5	2.17	2409.40	2411.57	≥0.5	PASS
	Ant1	2410.5	2.17	2409.41	2411.57	≥0.5	PASS
	Ant0	2434.5	2.15	2433.42	2435.57	≥0.5	PASS
	Ant1	2434.5	2.21	2433.40	2435.61	≥0.5	PASS
	Ant0	2461.5	2.17	2460.41	2462.58	≥0.5	PASS
	Ant1	2461.5	2.19	2460.40	2462.58	≥0.5	PASS
3 MHz CA	Ant0	2413.2	2.16	2412.10	2414.27	≥0.5	PASS
	Ant1	2413.2	2.20	2412.10	2414.30	≥0.5	PASS
	Ant0	2437.2	2.18	2436.10	2438.28	≥0.5	PASS
	Ant1	2437.2	2.18	2436.10	2438.27	≥0.5	PASS
	Ant0	2464.2	2.18	2463.10	2465.27	≥0.5	PASS
	Ant1	2464.2	2.20	2463.08	2465.28	≥0.5	PASS

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10 MHz	Ant0	2405.5	9.00	2401.00	2410.00	≥0.5	PASS
	Ant1	2405.5	9.02	2401.00	2410.02	≥0.5	PASS
	Ant0	2440.5	9.02	2436.00	2445.02	≥0.5	PASS
	Ant1	2440.5	9.04	2435.98	2445.02	≥0.5	PASS
	Ant0	2476.5	9.02	2471.98	2481.00	≥0.5	PASS
	Ant1	2476.5	9.00	2472.00	2481.00	≥0.5	PASS
20 MHz	Ant0	2410.5	18.00	2401.50	2419.50	≥0.5	PASS
	Ant1	2410.5	18.00	2401.50	2419.50	≥0.5	PASS
	Ant0	2441.5	17.96	2432.54	2450.50	≥0.5	PASS
	Ant1	2441.5	18.00	2432.50	2450.50	≥0.5	PASS
	Ant0	2472.5	17.96	2463.50	2481.46	≥0.5	PASS
	Ant1	2472.5	18.00	2463.50	2481.50	≥0.5	PASS
40 MHz	Ant0	2422.5	35.92	2404.50	2440.42	≥0.5	PASS
	Ant1	2422.5	36.00	2404.50	2440.50	≥0.5	PASS
	Ant0	2437.5	36.00	2419.50	2455.50	≥0.5	PASS
	Ant1	2437.5	35.92	2419.58	2455.50	≥0.5	PASS
	Ant0	2452.5	35.92	2434.58	2470.50	≥0.5	PASS
	Ant1	2452.5	36.00	2434.50	2470.50	≥0.5	PASS



11.1.2. Test Graphs

