

TEST REPORT

Radio Frequency Devices-Intentional Radiators

for

Products Name: Royyt Smart Body Weight Scale

Model No.: VWS530S

FCC ID: 2A2VU2VWS530S

Report No.: SST2605E248

Issued Date: Jun. 02, 2026

Issued for

Shenzhen Subject Technology Co., Ltd.

705, Building 11, Phase II, Tianan Yungu Industrial Park, Gangtou Community, Bantian Sub-District,
Longgang District, Shenzhen, China

Issued by

Dongguan Qiyang Testing Technology Co., Ltd.

Room 101-1, Building 1, No.19, Tianxin Butterfly 1st Road, Huangjiang, Dongguan, Guangdong, China

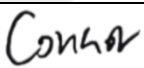
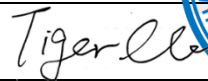
General disclaimer:

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing Dongguan Qiyang Testing Technology Co., Ltd. The authenticity of this test report and its contents can be verified by contacting the Dongguan Qiyang Testing Technology Co., Ltd., responsible for this test report.

Table of Contents

1.	Basic Introduction	3
2.	General description	4
2.1.	EUT description	4
2.2.	Serial model(s) and model difference	4
2.3.	Auxiliary equipment	4
2.4.	Description of test modes	5
2.5.	Test environmental conditions	5
2.6.	Statement of Measurement Uncertainty	6
2.7.	Report modification record	6
2.8.	Test Facility	6
2.9.	Other information	7
2.10.	Addition Instructions	7
3.	Verdict summary section	8
4.	List of Test Equipment	9
5.	Technical Requirement and Measurement Data	10
5.1.	Generally requirement	10
5.2.	Connected emissions	11
5.3.	Duty Cycle	13
5.4.	Conducted Peak Output Power	14
5.5.	Channel Bandwidth	15
5.6.	Power Spectral Density	16
5.7.	Conducted Spurious Emission	17
5.8.	Radiated emissions	18
6.	Test setup photo	38
7.	Photo of the EUT	39

1. Basic Introduction

Applicant's name :	Shenzhen Subject Technology Co., Ltd.	
Address	705, Building 11, Phase II, Tianan Yungu Industrial Park, Gangtou Community, Bantian Sub-District, Longgang District, Shenzhen, China	
Manufacturer's name	Shenzhen Subject Technology Co., Ltd.	
Address	705, Building 11, Phase II, Tianan Yungu Industrial Park, Gangtou Community, Bantian Sub-District, Longgang District, Shenzhen, China	
Products Name :	Royyt Smart Body Weight Scale	
Model No :	VWS530S	
Trade Mark	Ovutēk®	
Rating(s)	DC 6V(4*AAA Batteries)	
Date of sample receipt :	May 26, 2026	
Date of Test :	May 26, 2026 ~ Jun. 02, 2026	
Standard(s)	FCC 47 CFR PART 15 Subpart C Section 15.247 ANSI C63.10-2020+COR 1-2023	
Tested by (+signature) :	Connor Ma	
Check by (+signature) :	Davis Zhou	
Approved by (+signature) :	Tiger Chen	



2. General description

2.1. EUT description

Products Name	Royyt Smart Body Weight Scale	
Model No.	VWS530S	
Rating(s)	DC 6V(4*AAA Batteries)	
SN.....	SST2605E248-0101	
Operation frequency	2402MHz ~ 2480MHz	
Channel numbers	40	
Channel separation	2MHz	
Modulation technology	GFSK	
Antenna type	PCB antenna	
Antenna gain	2.81dBi	
Cable	Name	Description
	/	☐ Shielded ☐ Unshielded ☐ Detachable ☐ Un-detachable ☒ No applicable ☐ Length:

2.2. Serial model(s) and model difference

Main model(s)	VWS530S
Serial model(s)	/
Model difference	/

2.3. Auxiliary equipment

Support equipment list			
Description	Manufacturer	Model No.	Serial No.
Notebook PC	HP	ZHAN 66P	66Y03PC#AB2
UART	Tengfei	USB TO TTL	/
Support cable list			
Description	Specified length(m)	Shielded	Unshielded
/	/	/	/

2.4. Description of test modes

Prescan Operating Mode		
No.	Detailed description of the operating mode	Test voltage
1	continuously transmitting, with its lowest data rate which emit the max power level	DC 6V

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
2	2406MHz	12	2426MHz	22	2446MHz	32	2466MHz
3	2408MHz	13	2428MHz	23	2448MHz	33	2468MHz
4	2410MHz	14	2430MHz	24	2450MHz	34	2470MHz
5	2412MHz	15	2432MHz	25	2452MHz	35	2472MHz
6	2414MHz	16	2434MHz	26	2454MHz	36	2474MHz
7	2416MHz	17	2436MHz	27	2456MHz	37	2476MHz
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz

2.5. Test environmental conditions

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment.

The climatic conditions during the tests were within the following limits:

Ambient temperature	Relative humidity	Atmospheric pressure
15 °C ~ 35 °C	30 % ~ 60 %	86 kPa ~ 106 kPa

If explicitly required in the basic standard or applied product standard the climatic values are recorded and documented separately in this test report.

2.6.Statement of Measurement Uncertainty

Test Item	Uncertainty
Uncertainty for Conducted emissions	3.31 dB
Uncertainty for Radiated emission (9 kHz to 30 MHz)	3.1 dB
Uncertainty for Radiated emission (30 MHz to 1 GHz)	4.53 dB
Uncertainty for Radiated emission (above 1 GHz)	4.80 dB
RF power, conducted	1.08 dB
Power Spectral Density, Conducted	1.46 dB
Spurious Emissions, Conducted	2.94 dB
Measurement Uncertainty Decision Rule Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2023, clause 4.3.3 and 4.3.4.	

2.7.Report modification record

Report No.	Issue Date	Description
SST2605E248	2026-06-02	Original Report

2.8.Test Facility

The test facility is recognized, certified, or accredited by the following organizations:	
A2LA	Certificate No.:7057.01
FCC	Designation Number: CN1432
	Test Firm Registration Number: 640253
IC	Company Number: 30419
	CAB identifier: CN0154
CNAS	Registration No.: L17883
Location	Dongguan Qiyang Testing Technology Co., Ltd.
	Room 101-1, Building 1, No.19, Tianxin Butterfly 1st Road, Huangjiang, Dongguan, Guangdong, China

2.9. Other information

The laboratory responsible for all the information provided in the report, except those information provided by the applicant.

The applicant shall fully responsible for the information they provided.

The report would be invalid without a stamp of test laboratory and the signatures of compiler and approver.

The laboratory has not been responsible for the sampling stage; the test report merely corresponds to the test sample received.

Any objection to the test report shall submitted to the test laboratory within 15 days from the date of receipt of the report.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

2.10. Addition Instructions

Test Software	RF_Test
Power level setup	0

3. Verdict summary section

FCC 47 CFR PART 15 Subpart C		
Requirement – Test case	Basic standard	Verdict
Antenna requirement	FCC part 15.203	Pass
AC Power Line Conducted Emission	FCC part 15.207	N/A
Conducted Peak Output Power	FCC part 15.247 (b)(3)	Pass
Channel Bandwidth & 99% OCB	FCC part 15.247 (a)(2)	Pass
Power Spectral Density	FCC part 15.247 (e)	Pass
Band Edge	FCC part 15.247(d)	Pass
Spurious Emission	FCC part 15.205/15.209	Pass

Test case verdicts	
- Test case does not apply to the test object	N/A
- Test object does meet the requirement	P (Pass)
- Test object does not meet the requirement	F (Fail)

4. List of Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Date of Cal.	Cal. Due
Connected emissions					
EMI Test Receiver	R&S	ESR3	103057	2026/04/10	2027/04/09
LISN	R&S	ENV 216	102832	2026/04/10	2027/04/09
Test Software	Farad	EZ-EMC	3A1.6	/	/
Radiated emissions					
Loop Antenna	Schwarzbeck	FMZB 1513-60 B	00044	2026/04/11	2027/04/10
Broadband Antenna	Schwarzbeck	VULB 9162	00556	2026/04/11	2027/04/10
Horn Antenna	Schwarzbeck	BBHA 9120 D	02783	2026/04/11	2027/04/10
Horn Antenna	Schwarzbeck	BBHA9170	01306	2026/04/11	2027/04/10
EMI Test Receiver	R&S	ESU8	100372	2026/04/11	2027/04/10
Spectrum Analyzer	R&S	FSV40-N	101791	2026/04/11	2027/04/10
Amplifier	Schwarzbeck	BBV 9744	00327	2026/04/11	2027/04/10
Amplifier	TSTPASS	LNA10180G45	TS2215008	2026/04/14	2027/04/13
Amplifier	RF system	TRLA-180400G45B	23060801	2026/04/14	2027/04/13
3m Anechoic Chamber	BOST	CHC-966	/	2026/04/11	2029/04/10
Test Software	Farad	EZ-EMC	3A1.1+	/	/
RF conducted					
Spectrum Analyzer	keysight	N9020A	MY51280659	2026/04/10	2027/04/09
Signal Generator	Agilent	N5181A	MY48180054	2026/04/10	2027/04/09
Signal Generator	keysight	N5172B	MY57281610	2026/04/10	2027/04/09
Spectrum Analyzer	R&S	FSV40-N	101791	2026/04/10	2027/04/09
Wideband Radio Communication Tester	R&S	CMW500	123123	2026/04/10	2027/04/09
RF Switch Box	TST PASS	TST V2	/	2026/04/10	2027/04/09
Test Software	TST PASS	TST PASS	V2.0	/	/
Temperature and Humidity Meter	KTJ	TA218A	879033	2026/04/13	2027/04/12

5. Technical Requirement and Measurement Data

5.1. Generally requirement

Antenna requirement:

§15.203 requirement:

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

§15.247(b) (4) requirement:

(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.

EUT Antenna:

The antenna is PCB antenna which is permanently attached, Reference to the appendix for details

5.2. Connected emissions

5.2.1. Limits

Frequency (MHz)	Quasi-peak	Average
0.15 to 0.5	66 to 56	56 to 46
0.5 to 5	56	46
5 to 30	60	50

5.2.2. Test method

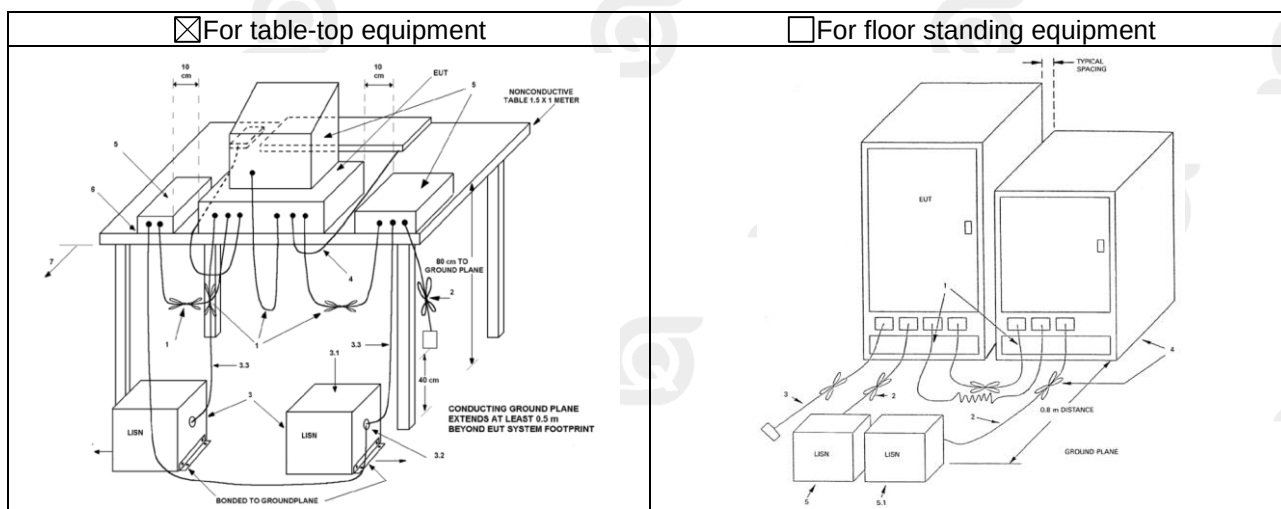
The measurement was performed in a shield room.

Measured levels of ac power-line conducted emission shall be the radio-noise voltage from the voltage probe, where permitted, or across the 50 Ω LISN port (to which the EUT is connected), as terminated into a 50 Ω EMI receiver or spectrum analyzer. All radio-noise voltage and current measurements shall be made on each current-carrying conductor at the plug end of the EUT power cord or calibrated extension cord by the use of mating plugs and receptacles on the EUT and LISN, if used. The manufacturer shall test equipment with power cords that are normally supplied or recommended by the manufacturer and that have electrical and shielding characteristics that are the same as those cords normally supplied or recommended. For measurements using a LISN, the 50 Ω measuring port is terminated into a 50 Ω EMI receiver or spectrum analyzer. All other ports are terminated into 50 Ω loads.

Table top devices shall be placed on a platform of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The vertical conducting plane or wall of an RF-shielded (screened) room shall be located 40 cm to the rear of the EUT. Floor-standing devices shall be placed either directly on the reference ground-plane or on insulating material as described in ANSI C63.4. All other surfaces of tabletop or floor-standing EUTs shall be at least 80 cm from any other grounded conducting surface, including the case or cases of one or more LISNs.

The bandwidth of the test receiver is set at 9 kHz.

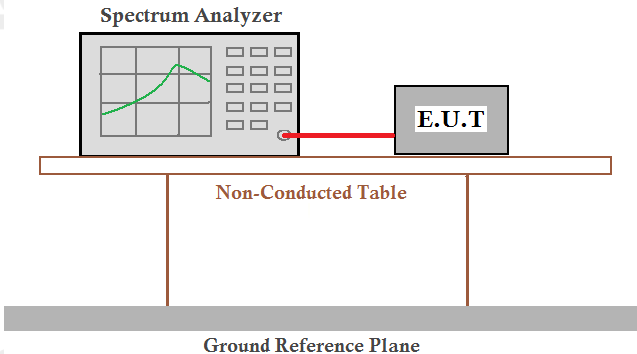
5.2.3. Block diagram of test setup



5.2.4. Test information

Ambient temperature:	/
Relative humidity:	/
EUT operation mode:	/
Test Voltage:	/
Test results:	N/A
Remark:	Because the EUT is powered by the battery, so the item is not applicable.

5.3. Duty Cycle

Limit
Report for use
Block diagram of Test Setup
 <p>The diagram shows a Spectrum Analyzer and an E.U.T. (Equipment Under Test) connected by a red cable. They are both placed on a table labeled 'Non-Conducted Table'. This table is supported by a 'Ground Reference Plane'.</p>
Test Instrument
Refer to section 4 for details
Test Procedures
<p>The transmitter output connected to the Spectrum Analyzer. Test according to Procedure 6.0)b in KDB 558074 v05r02.</p> <ol style="list-style-type: none"> 1.RBW=8 MHz(the largest available value) 2.VBW=8 MHz(>RBW) 3.SPAN = 0 Hz 4.Detector = Peak 5.Number of points in sweep: 30001 6.Trace mode: Clear write 7.Measure T_{total} and T_{on} 8.Calculate Duty Cycle = T_{on}/T_{total} and Duty Cycle Factor = $10\log(1/\text{Duty Cycle})$
Verdict
Pass

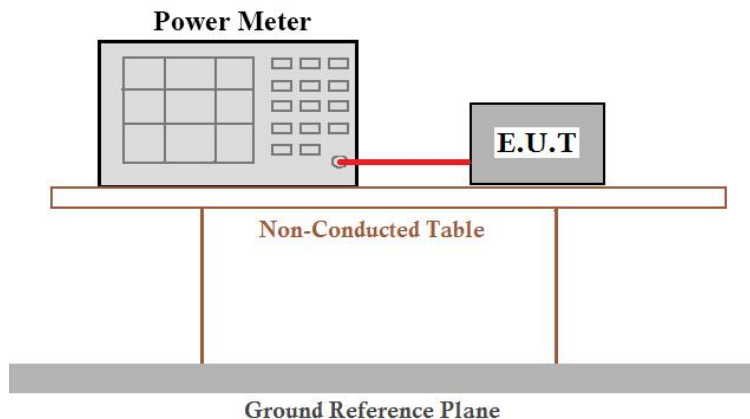
Measurement Data: The detailed test data see Appendix IV

5.4. Conducted Peak Output Power

Limit

1W(30dBm)

Block diagram of Test Setup



Test Instrument

Refer to section 4 for details

Test Procedures

Set spectrum analyzer as following:

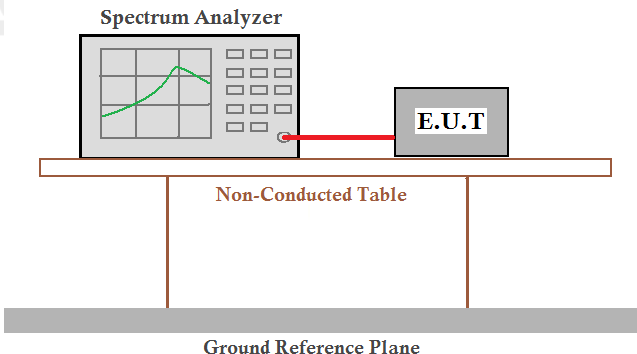
- Set the RBW $\geq$ DTS bandwidth.
- Set VBW $\geq 3 \times$ RBW.
- Set span $\geq 3 \times$ RBW
- Sweep time = auto couple.
- Detector = peak.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use peak marker function to determine the peak amplitude level.

Verdict

Pass

Measurement Data: The detailed test data see Appendix IV

5.5. Channel Bandwidth

Limit
>500KHz
Block diagram of Test Setup
 <p>The diagram shows a Spectrum Analyzer and an E.U.T. (Equipment Under Test) connected by a red cable. They are both placed on a table labeled 'Non-Conducted Table'. This table is supported by a 'Ground Reference Plane'.</p>
Test Instrument
Refer to section 4 for details
Test Procedures
<p>The steps for the first option are as follows:</p> <ol style="list-style-type: none"> Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz. Set the VBW $\geq [3 \times \text{RBW}]$. Detector = peak. Trace mode = max-hold. Sweep = No faster than coupled (auto) time. Allow the trace to stabilize. Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-6 dB down amplitude”. If a marker is below this “-6 dB down amplitude” value, then it shall be as close as possible to this value.
Verdict
Pass

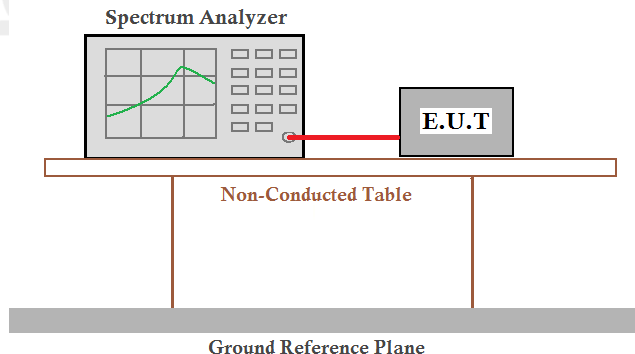
Measurement Data: The detailed test data see Appendix IV

5.6. Power Spectral Density

Limit

8dBm/3kHz

Block diagram of Test Setup



Test Instrument

Refer to section 4 for details

Test Procedures

- Set analyzer center frequency to DTS channel center frequency.
- Set the span >1.5 times the DTS bandwidth.
- Set the RBW to $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = No faster than coupled (auto) time.
- Trace mode = max-hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level within the RBW.

Verdict

Pass

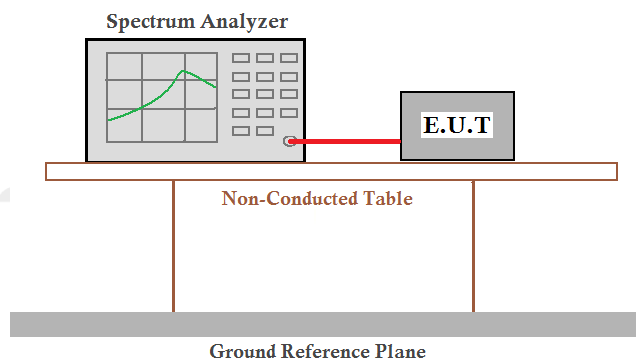
Measurement Data: The detailed test data see Appendix IV

5.7. Conducted Spurious Emission

Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

Block diagram of Test Setup



Test Instrument

Refer to section 4 for details

Test Procedures

Establish a reference level by using the following procedure:

- Set instrument center frequency to DTS channel center frequency.
- Set the span to ≥ 1.5 times the DTS bandwidth.
- Set the RBW = 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = No faster than coupled (auto) time.
- Trace mode = max-hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level

Establish an emission level by using the following procedure:

- Set the center frequency and span to encompass frequency range to be measured. Note that the frequency range might need to be divided into multiple frequency ranges to retain frequency resolution.

NOTE—the number of points can also be increased for large spans to retain frequency resolution

- Set the RBW = 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = No faster than coupled (auto) time.
- Trace mode = max-hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level.

Verdict

Pass

Measurement Data: The detailed test data see Appendix IV

5.8. Radiated emissions

5.8.1. Limits

Frequency (MHz)	Field Strength(microvolts/meter)	Measurement distance(meters)
0.009~0.49	2400/F(kHz)	300
0.49~1.705	24000/F(kHz)	30
1.705~30	30	30
30~88	100**	3
88~216	150**	3
216~960	200**	3
Above 960	500	3

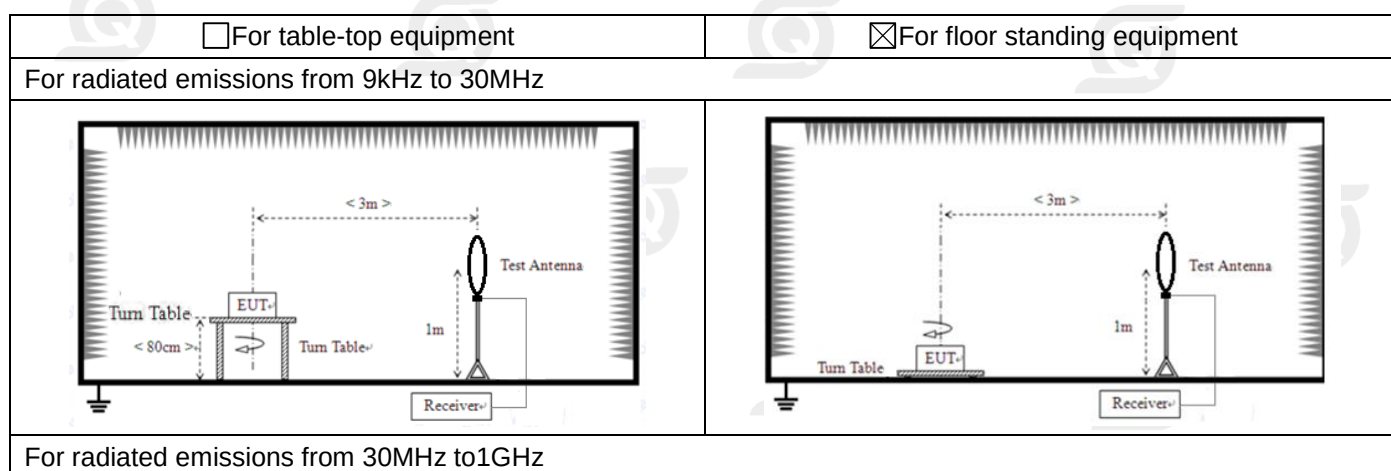
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54–72 MHz, 76–88 MHz, 174–216 MHz or 470–806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

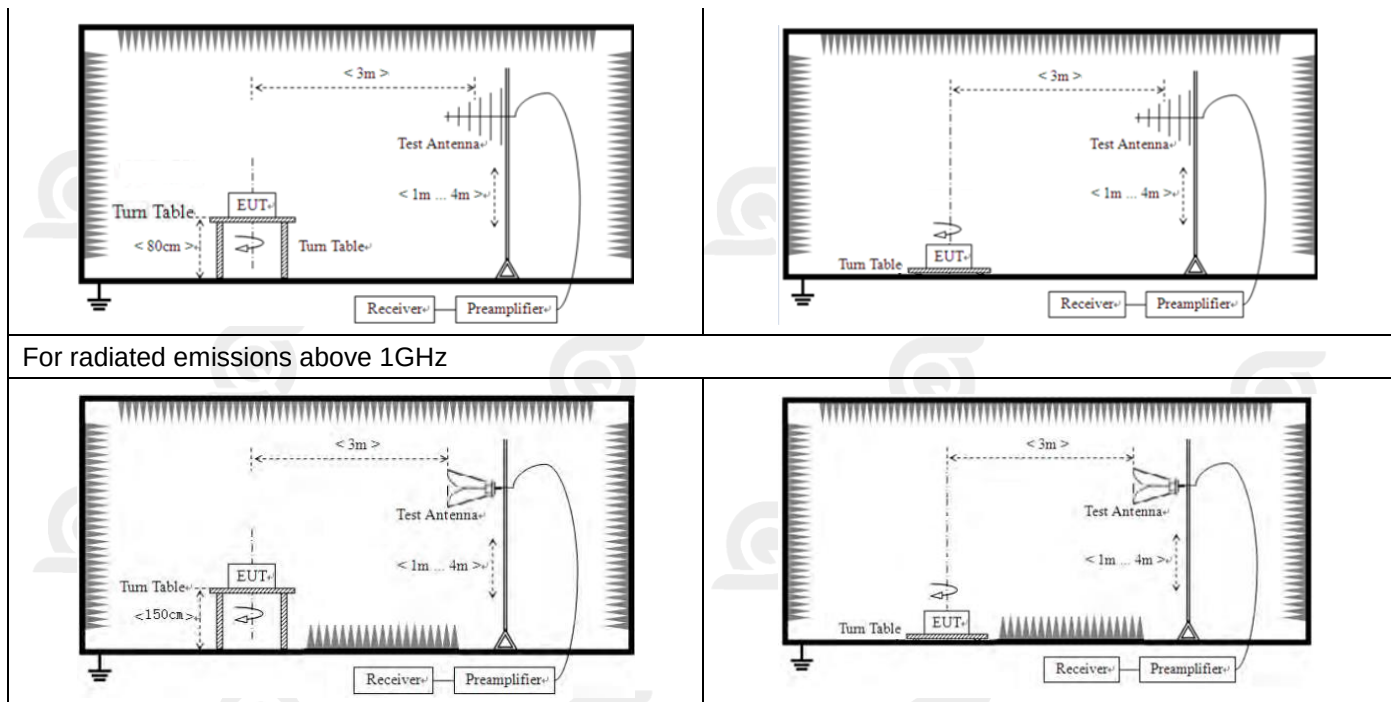
5.8.2. Test method

Measurements were made in semi-anechoic chamber or Open Area Test Site that complies to CISPR 16. Preliminary (peak) measurements. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements (quasi-peak detector below 1 GHz and average detector above 1 GHz) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.

Test applies to KDB558074 D01 15.247 Meas Guidance v05r02 & C63.10

5.8.3. Block diagram of test setup



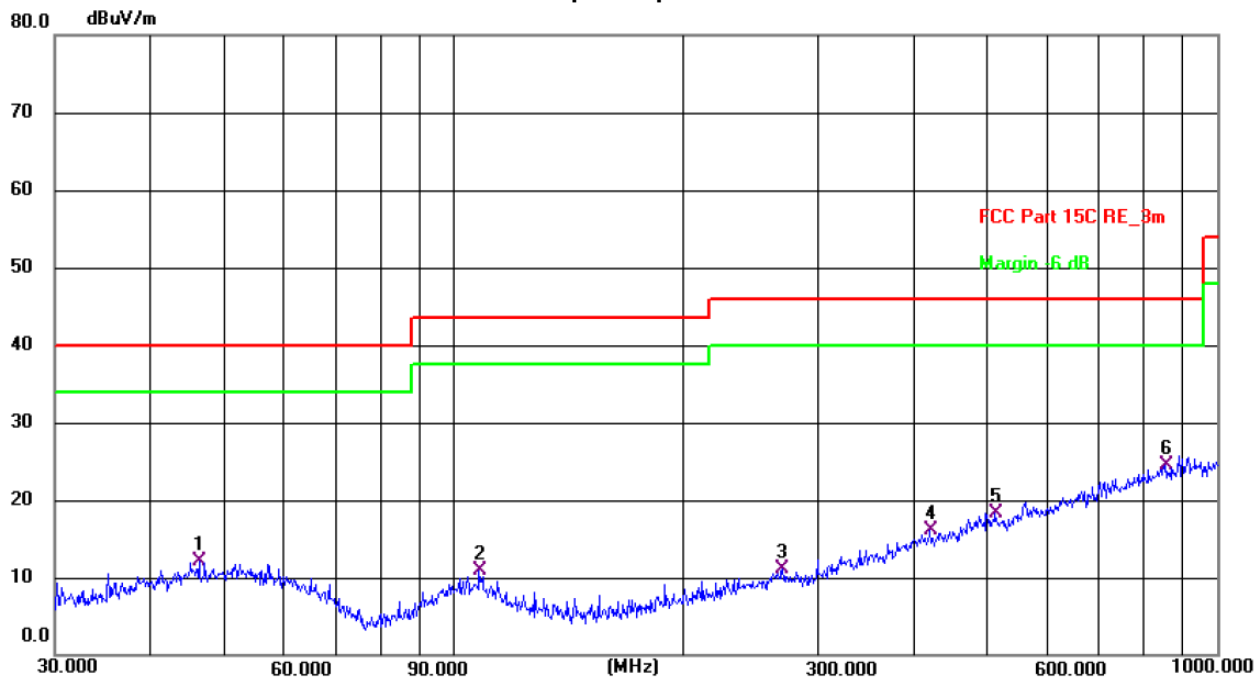


5.8.4. Test information

Ambient temperature:	24.8 °C
Relative humidity:	50 %
EUT operation mode:	Mode 1
Test results:	Pass
Remark:	Factor Value = Antenna Factor + Cable Loss - Preamplifier Factor Level Value = Reading Value + Factor Value Margin Value = Level Value - Limit Value Only the worst case report (2480MHz)

Note: The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o), the test result no need to reported.

Measurement data and Graphical presentation of the result



Site: 3m Anechoic Chamber1

Polarization: **Horizontal**

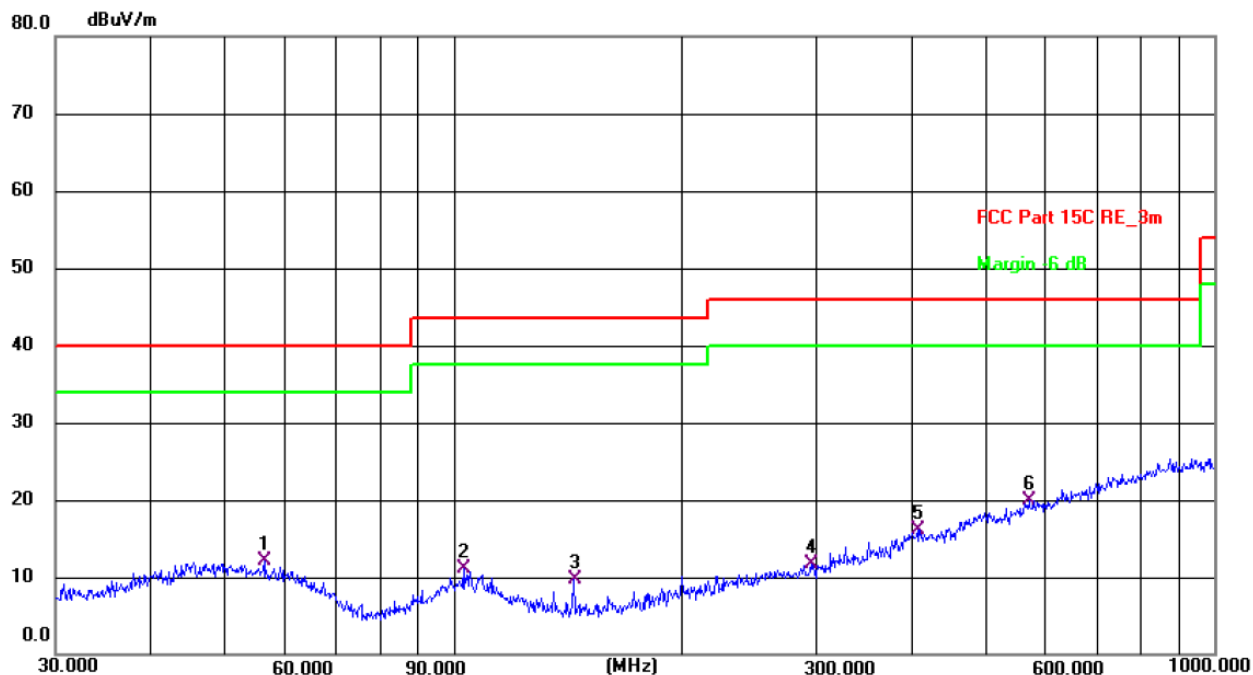
Temperature: 24.8(C)

Humidity: 50 %

Limit: FCC Part 15C RE_3m

Power: DC 6 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	46.4216	26.87	-14.83	12.04	40.00	-27.96	QP	P	
2	107.9823	27.07	-16.19	10.88	43.50	-32.62	QP	P	
3	270.2563	25.47	-14.40	11.07	46.00	-34.93	QP	P	
4	421.1337	26.64	-10.58	16.06	46.00	-29.94	QP	P	
5	512.5087	27.33	-8.99	18.34	46.00	-27.66	QP	P	
6 *	854.7737	27.51	-2.99	24.52	46.00	-21.48	QP	P	



Site: 3m Anechoic Chamber1

Polarization: **Vertical**

Temperature: 24.8(C) Humidity: 50 %

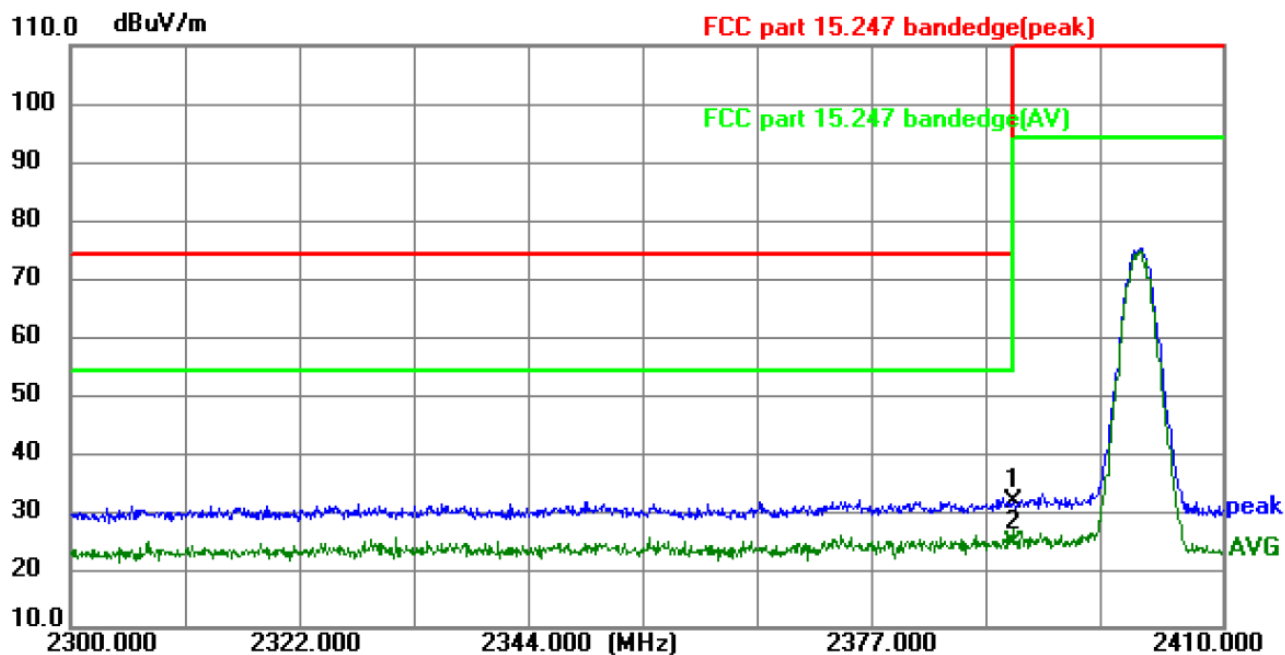
Limit: FCC Part 15C RE_3m

Power: DC 6 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	56.5681	27.18	-15.10	12.08	40.00	-27.92	QP	P	
2	103.2157	27.47	-16.36	11.11	43.50	-32.39	QP	P	
3	144.0188	29.53	-19.83	9.70	43.50	-33.80	QP	P	
4	295.6648	26.06	-14.31	11.75	46.00	-34.25	QP	P	
5	407.8719	26.74	-10.59	16.15	46.00	-29.85	QP	P	
6 *	571.1105	27.68	-7.86	19.82	46.00	-26.18	QP	P	

Band Edge:

Lowest channel:



Site: 3m Anechoic Chamber

Polarization: **Horizontal**

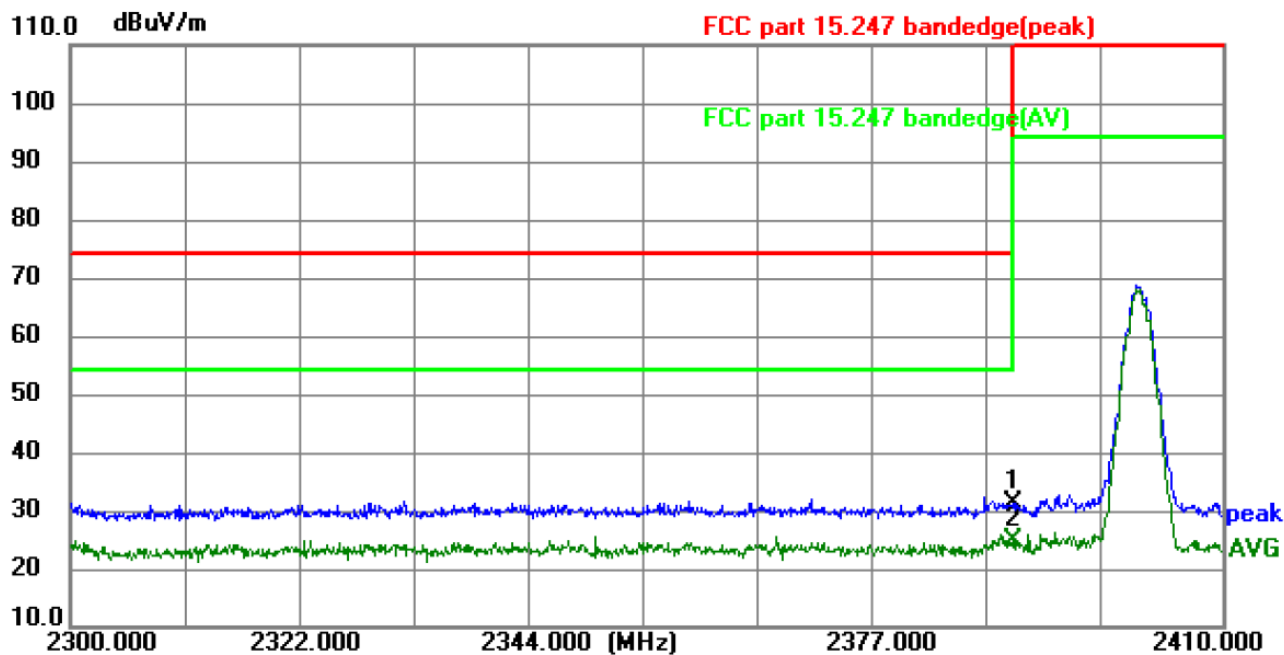
Temperature: 22.9 °C

Humidity: 60 %

Limit: FCC part 15.247 bandedge(peak)

Power: DC 6V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	2390.0000	52.60	-20.98	31.62	74.00	-42.38	peak	P	
2 *	2390.0000	45.30	-20.98	24.32	54.00	-29.68	AVG	P	



Site: 3m Anechoic Chamber

Polarization: **Vertical**

Temperature: 22.9 °C

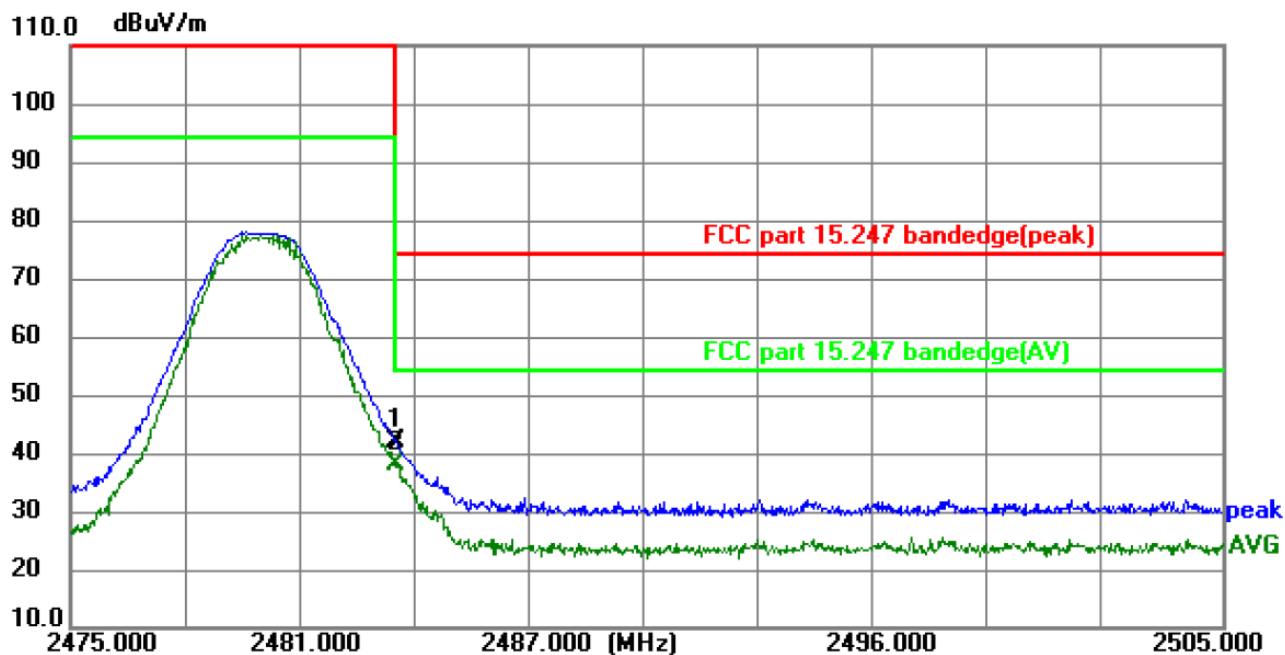
Humidity: 60 %

Limit: FCC part 15.247 bandedge(peak)

Power: DC 6V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	2390.0000	52.09	-20.98	31.11	74.00	-42.89	peak	P	
2 *	2390.0000	45.82	-20.98	24.84	54.00	-29.16	AVG	P	

Highest channel:



Site: 3m Anechoic Chamber

Polarization: **Horizontal**

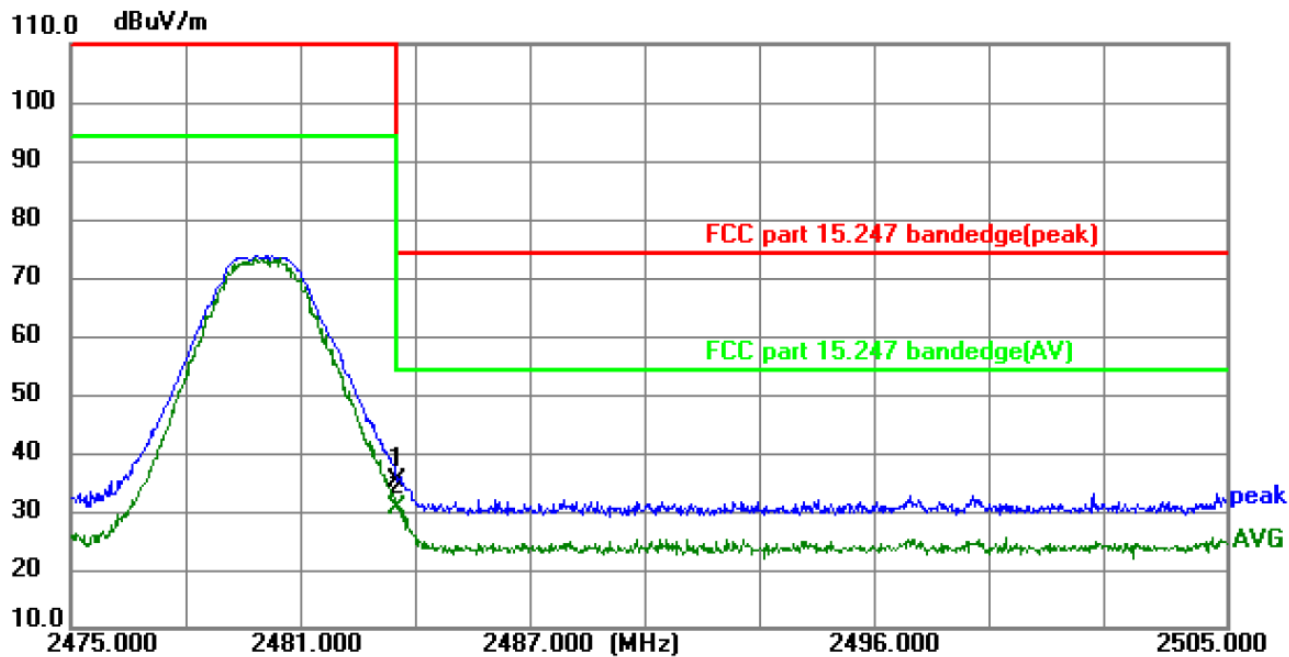
Temperature: 22.9 °C

Humidity: 60 %

Limit: FCC part 15.247 bandedge(peak)

Power:DC 6V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	2483.5000	62.80	-20.79	42.01	74.00	-31.99	peak	P	
2 *	2483.5000	58.69	-20.79	37.90	54.00	-16.10	AVG	P	



Site: 3m Anechoic Chamber

Polarization: **Vertical**

Temperature: 22.9 °C

Humidity: 60 %

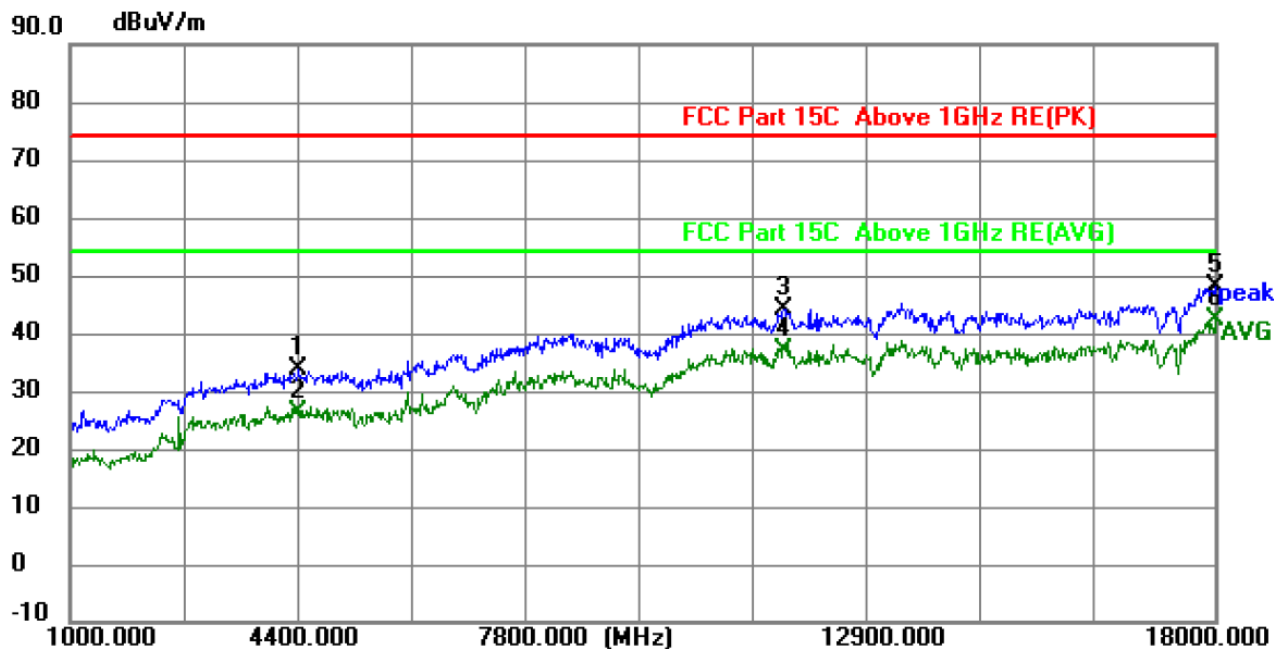
Limit: FCC part 15.247 bandedge(peak)

Power:DC 6V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	2483.5000	55.98	-20.79	35.19	74.00	-38.81	peak	P	
2 *	2483.5000	51.40	-20.79	30.61	54.00	-23.39	AVG	P	

Spurious Emissions:

Lowest channel



Site: 3m Anechoic Chamber

Polarization: **Horizontal**

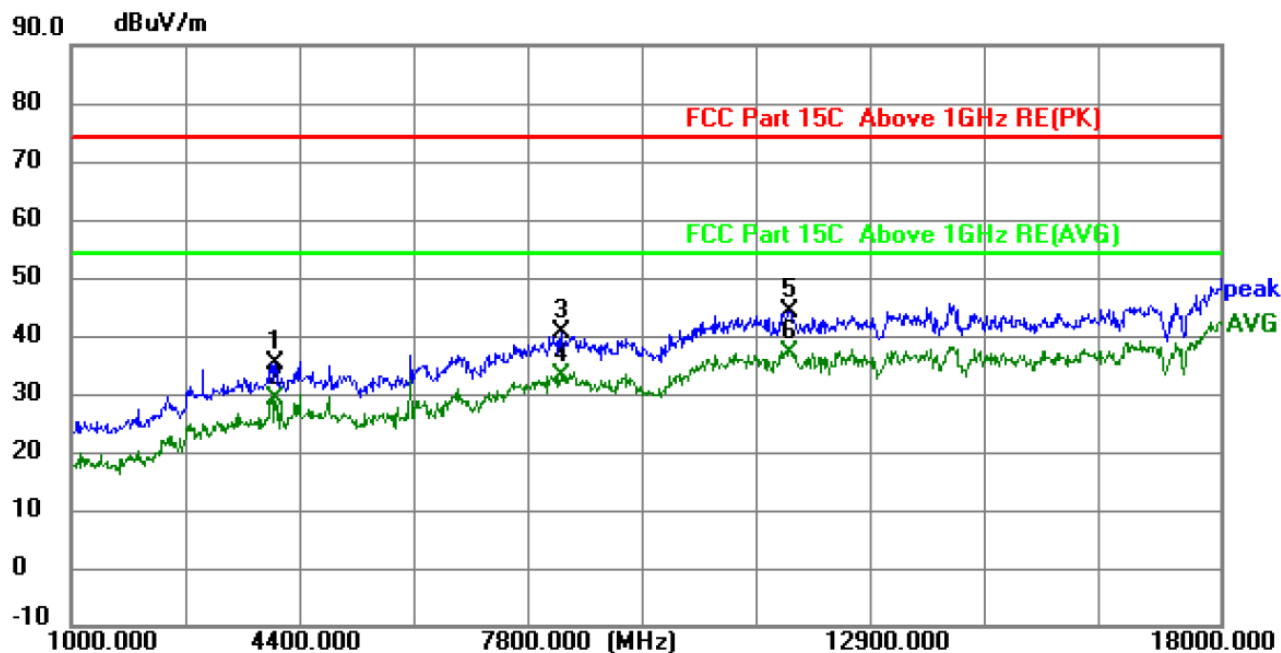
Temperature: 22.5 °C

Humidity: 55 %

Limit: FCC Part 15C Above 1GHz RE(PK)

Power:DC 6V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	4383.0000	48.31	-14.64	33.67	74.00	-40.33	peak	P	
2	4383.0000	40.75	-14.64	26.11	54.00	-27.89	AVG	P	
3	11602.3333	45.95	-1.79	44.16	74.00	-29.84	peak	P	
4	11602.3333	38.67	-1.79	36.88	54.00	-17.12	AVG	P	
5	17983.5665	41.03	7.16	48.19	74.00	-25.81	peak	P	
6 *	17983.5665	35.11	7.16	42.27	54.00	-11.73	AVG	P	



Site: 3m Anechoic Chamber

Polarization: **Vertical**

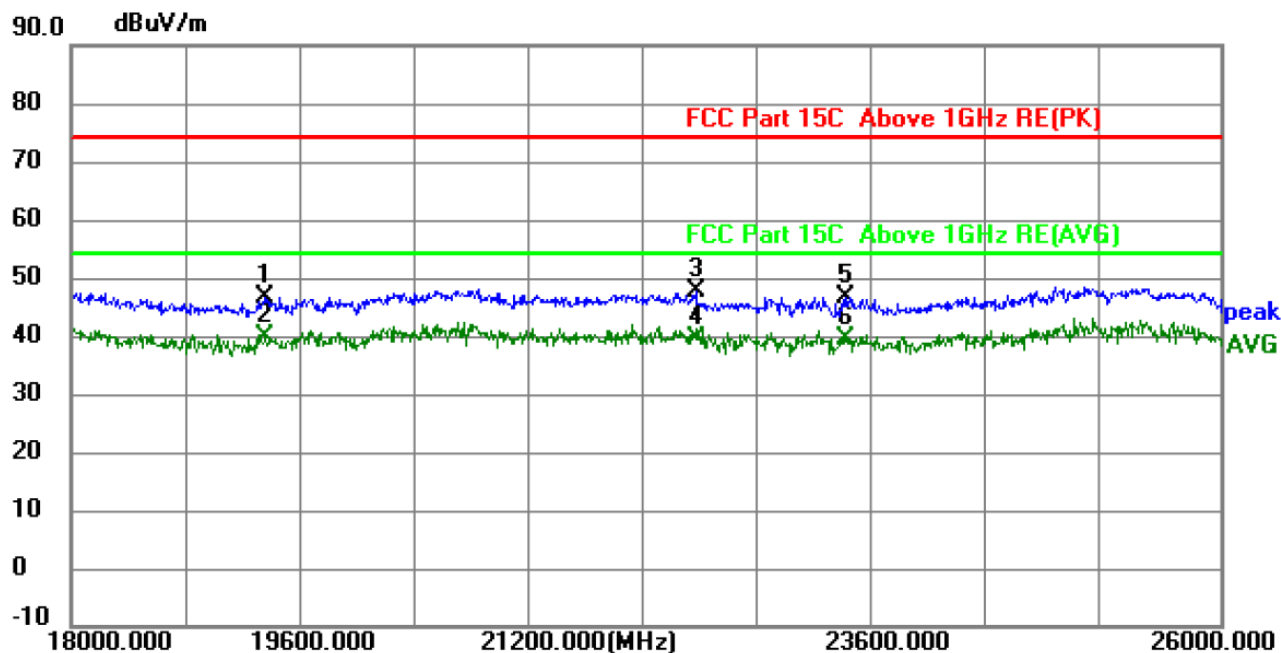
Temperature: 22.5 °C

Humidity: 55 %

Limit: FCC Part 15C Above 1GHz RE(PK)

Power: DC 6V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	3999.3665	50.72	-15.45	35.27	74.00	-38.73	peak	P	
2	3999.3665	44.38	-15.45	28.93	54.00	-25.07	AVG	P	
3	8237.4665	46.85	-6.22	40.63	74.00	-33.37	peak	P	
4	8237.4665	39.26	-6.22	33.04	54.00	-20.96	AVG	P	
5	11635.2000	45.92	-1.86	44.06	74.00	-29.94	peak	P	
6 *	11635.2000	38.98	-1.86	37.12	54.00	-16.88	AVG	P	



Site: 3m Anechoic Chamber

Polarization: **Horizontal**

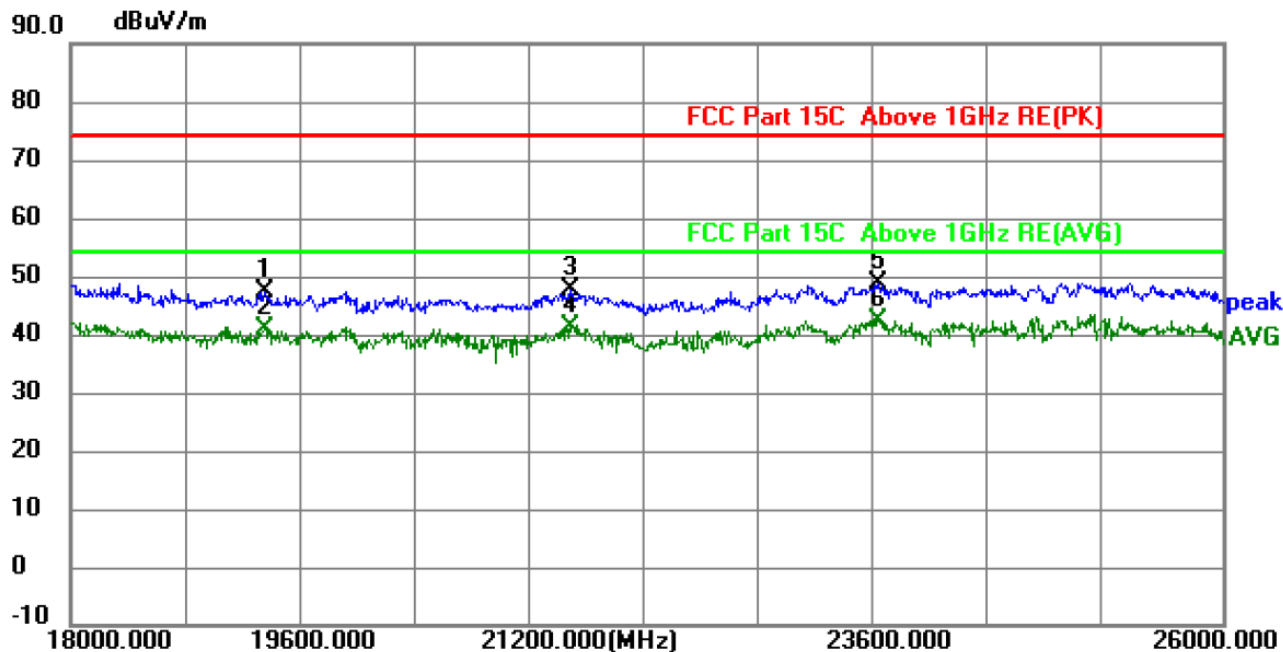
Temperature: 23.3 °C

Humidity: 51 %

Limit: FCC Part 15C Above 1GHz RE(PK)

Power: DC 6V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	19345.8666	47.25	-0.70	46.55	74.00	-27.45	peak	P	
2 *	19345.8666	40.46	-0.70	39.76	54.00	-14.24	AVG	P	
3	22351.7331	49.30	-1.79	47.51	74.00	-26.49	peak	P	
4	22351.7331	41.38	-1.79	39.59	54.00	-14.41	AVG	P	
5	23394.6666	48.63	-2.09	46.54	74.00	-27.46	peak	P	
6	23394.6666	41.68	-2.09	39.59	54.00	-14.41	AVG	P	



Site: 3m Anechoic Chamber

Polarization: **Vertical**

Temperature: 23.3 °C

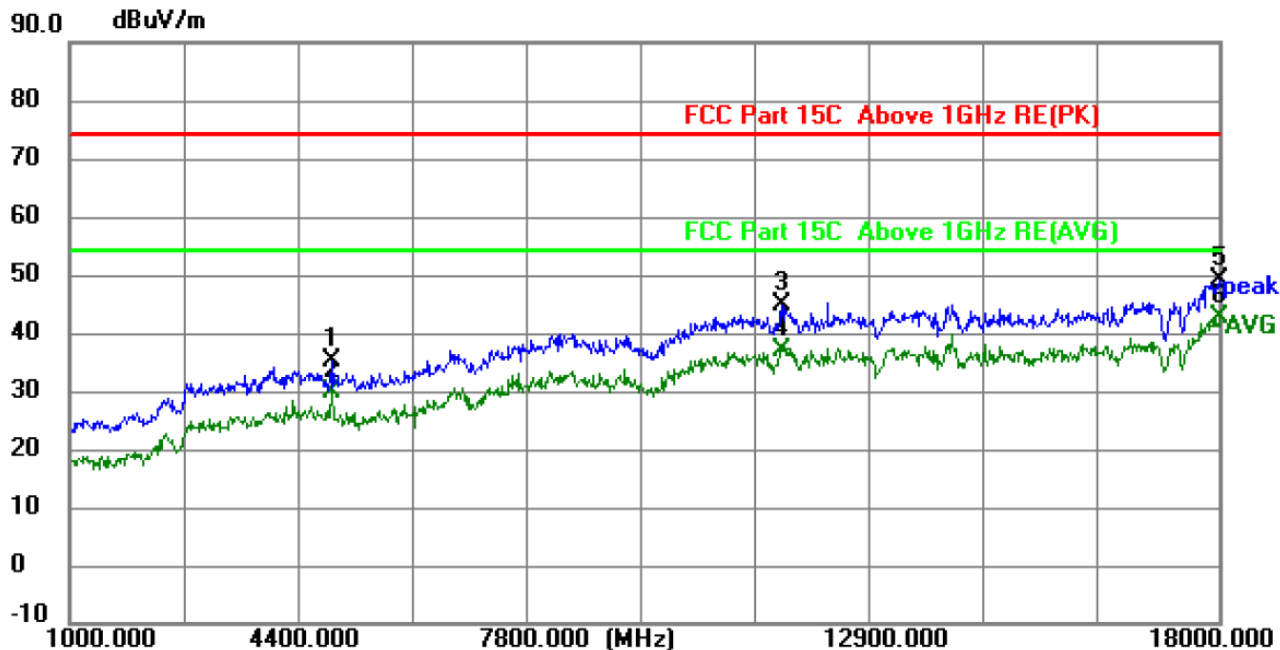
Humidity: 51 %

Limit: FCC Part 15C Above 1GHz RE(PK)

Power:DC 6V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	19349.8666	48.17	-0.70	47.47	74.00	-26.53	peak	P	
2	19349.8666	41.54	-0.70	40.84	54.00	-13.16	AVG	P	
3	21474.4000	49.24	-1.39	47.85	74.00	-26.15	peak	P	
4	21474.4000	42.67	-1.39	41.28	54.00	-12.72	AVG	P	
5	23600.5332	50.52	-1.84	48.68	74.00	-25.32	peak	P	
6 *	23600.5332	44.21	-1.84	42.37	54.00	-11.63	AVG	P	

Middle channel:



Site: 3m Anechoic Chamber

Polarization: **Horizontal**

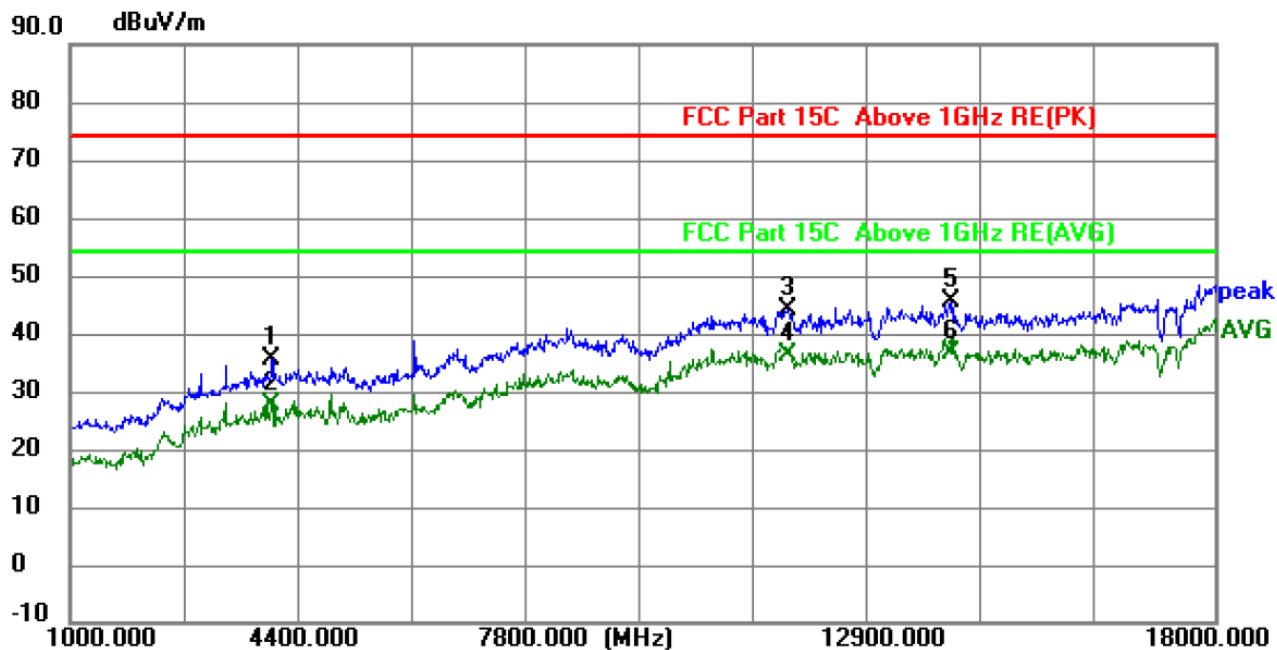
Temperature: 22.5 °C

Humidity: 55 %

Limit: FCC Part 15C Above 1GHz RE(PK)

Power:DC 6V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	4880.5333	48.29	-13.28	35.01	74.00	-38.99	peak	P	
2	4880.5333	43.23	-13.28	29.95	54.00	-24.05	AVG	P	
3	11530.3665	46.46	-1.69	44.77	74.00	-29.23	peak	P	
4	11530.3665	38.49	-1.69	36.80	54.00	-17.20	AVG	P	
5	17992.0665	42.01	7.27	49.28	74.00	-24.72	peak	P	
6 *	17992.0665	35.39	7.27	42.66	54.00	-11.34	AVG	P	



Site: 3m Anechoic Chamber

Polarization: **Vertical**

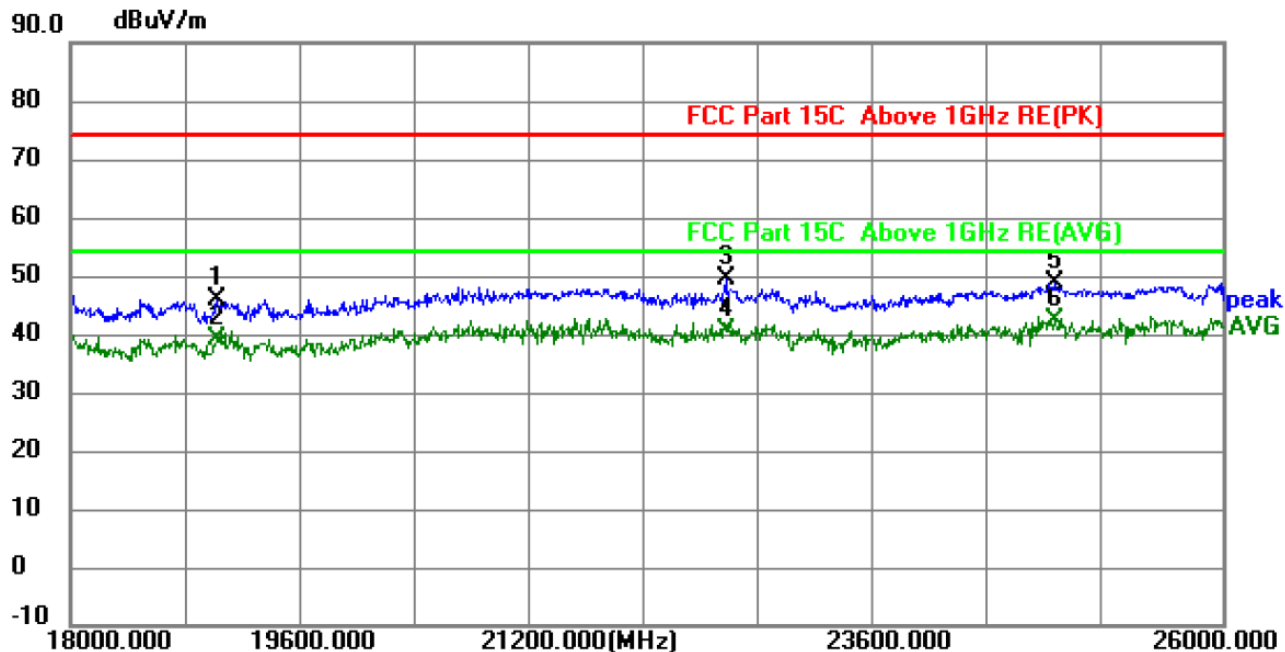
Temperature: 22.5 °C

Humidity: 55 %

Limit: FCC Part 15C Above 1GHz RE(PK)

Power:DC 6V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	3990.8665	51.21	-15.53	35.68	74.00	-38.32	peak	P	
2	3990.8665	43.13	-15.53	27.60	54.00	-26.40	AVG	P	
3	11670.9000	45.89	-1.90	43.99	74.00	-30.01	peak	P	
4	11670.9000	38.12	-1.90	36.22	54.00	-17.78	AVG	P	
5	14058.8333	45.20	0.50	45.70	74.00	-28.30	peak	P	
6 *	14058.8333	36.25	0.50	36.75	54.00	-17.25	AVG	P	



Site: 3m Anechoic Chamber

Polarization: **Horizontal**

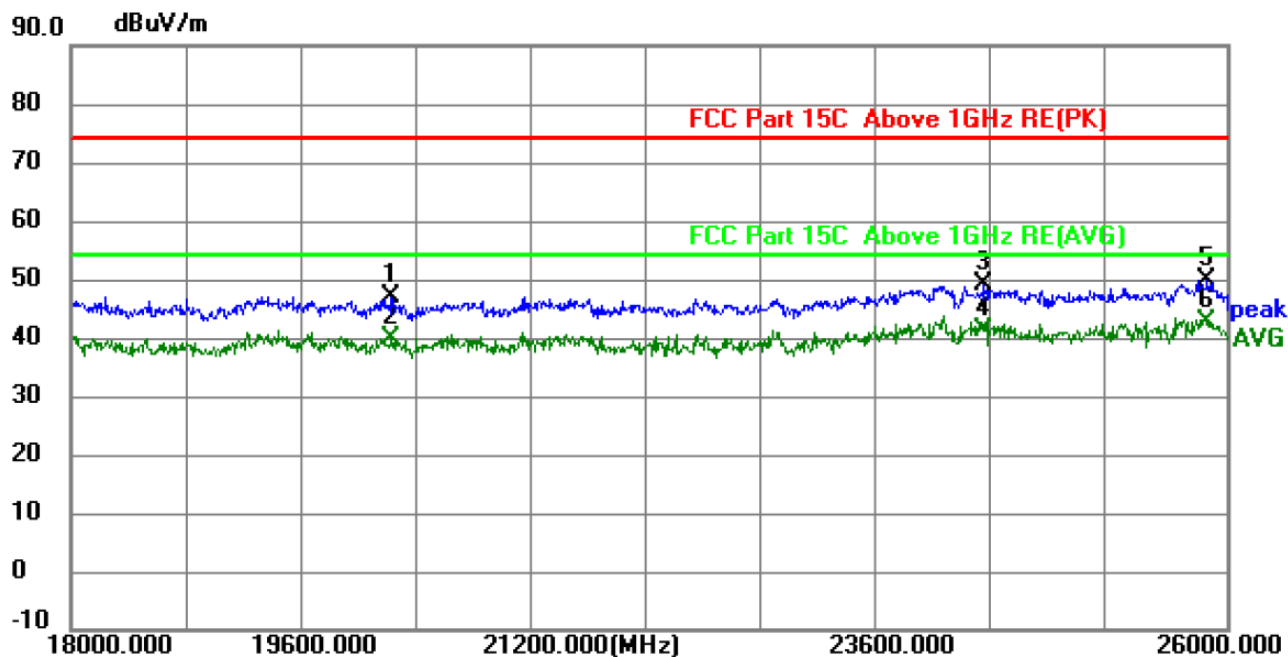
Temperature: 23.3 °C

Humidity: 51 %

Limit: FCC Part 15C Above 1GHz RE(PK)

Power: DC 6V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	19012.8000	46.84	-0.94	45.90	74.00	-28.10	peak	P	
2	19012.8000	39.88	-0.94	38.94	54.00	-15.06	AVG	P	
3	22550.4000	51.28	-1.90	49.38	74.00	-24.62	peak	P	
4	22550.4000	42.28	-1.90	40.38	54.00	-13.62	AVG	P	
5	24832.2665	49.40	-0.75	48.65	74.00	-25.35	peak	P	
6 *	24832.2665	43.00	-0.75	42.25	54.00	-11.75	AVG	P	



Site: 3m Anechoic Chamber

Polarization: **Vertical**

Temperature: 23.3 °C

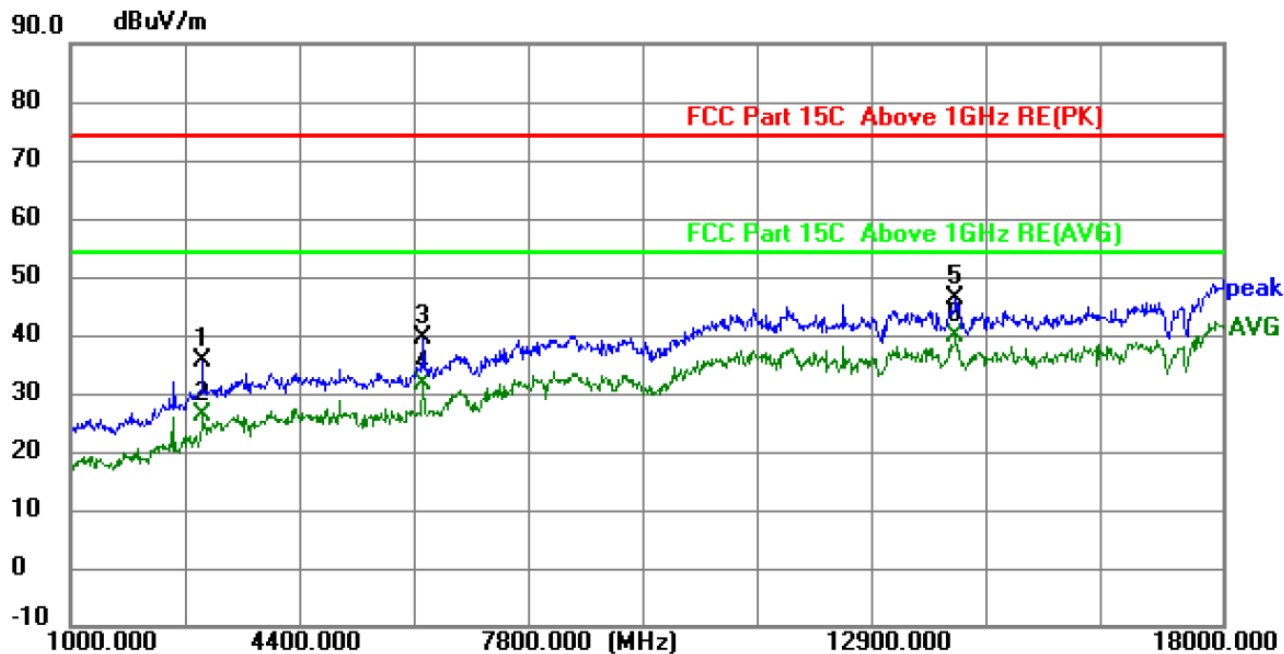
Humidity: 51 %

Limit: FCC Part 15C Above 1GHz RE(PK)

Power:DC 6V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	20215.4664	47.70	-0.71	46.99	74.00	-27.01	peak	P	
2	20215.4664	40.53	-0.71	39.82	54.00	-14.18	AVG	P	
3	24311.2000	50.65	-1.39	49.26	74.00	-24.74	peak	P	
4	24311.2000	42.75	-1.39	41.36	54.00	-12.64	AVG	P	
5	25854.1333	49.61	0.14	49.75	74.00	-24.25	peak	P	
6 *	25854.1333	42.66	0.14	42.80	54.00	-11.20	AVG	P	

Highest channel:



Site: 3m Anechoic Chamber

Polarization: **Horizontal**

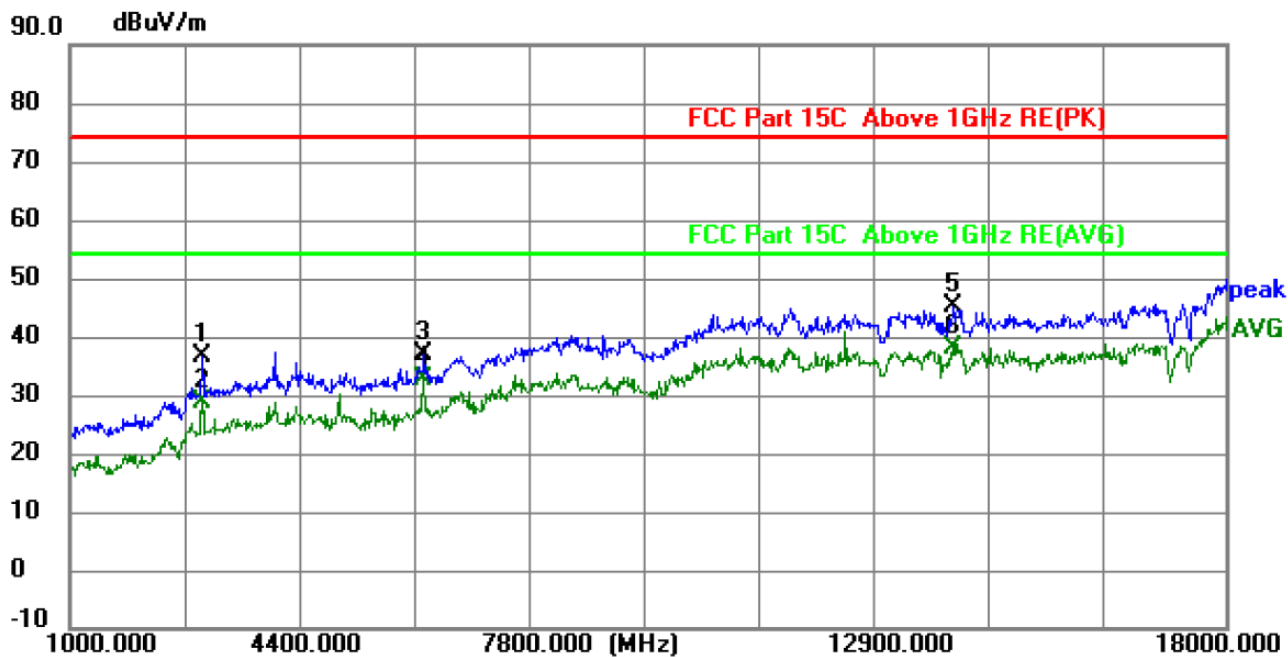
Temperature: 22.5 °C

Humidity: 55 %

Limit: FCC Part 15C Above 1GHz RE(PK)

Power:DC 6V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	2922.1332	55.27	-19.89	35.38	74.00	-38.62	peak	P	
2	2922.1332	46.15	-19.89	26.26	54.00	-27.74	AVG	P	
3	6200.3000	49.67	-10.31	39.36	74.00	-34.64	peak	P	
4	6200.3000	41.90	-10.31	31.59	54.00	-22.41	AVG	P	
5	14046.9333	45.83	0.54	46.37	74.00	-27.63	peak	P	
6 *	14046.9333	39.46	0.54	40.00	54.00	-14.00	AVG	P	



Site: 3m Anechoic Chamber

Polarization: **Vertical**

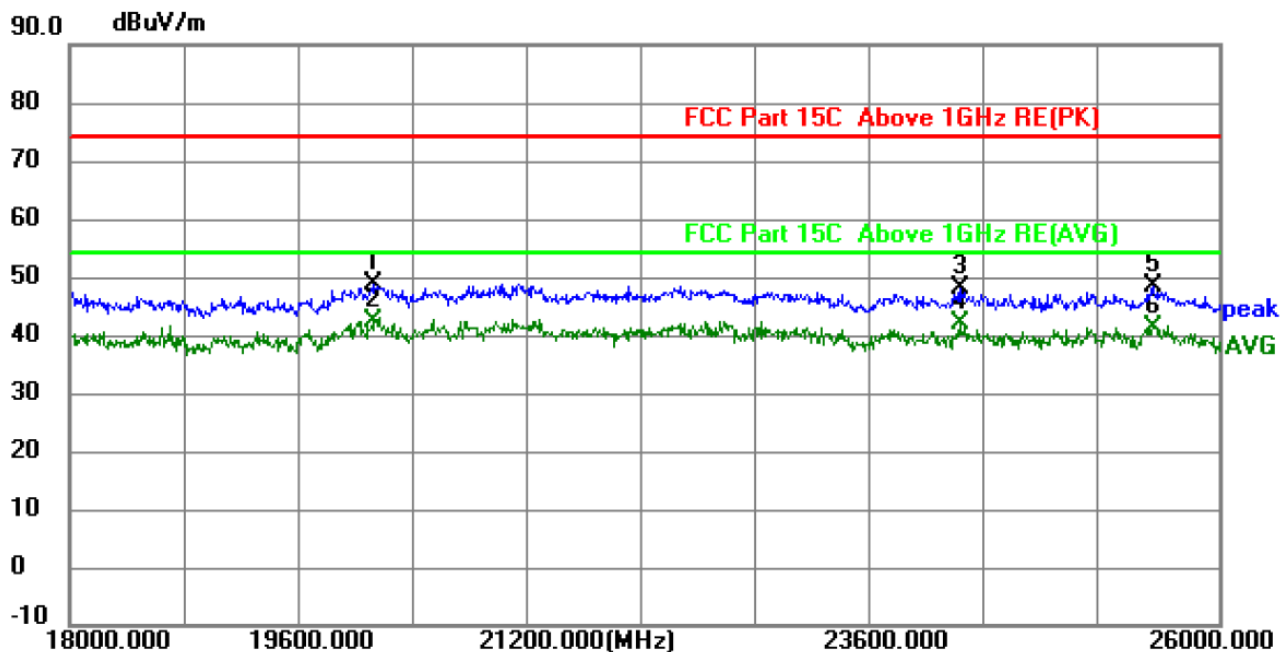
Temperature: 22.5 °C

Humidity: 55 %

Limit: FCC Part 15C Above 1GHz RE(PK)

Power: DC 6V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	2930.0666	56.35	-19.87	36.48	74.00	-37.52	peak	P	
2	2930.0666	48.72	-19.87	28.85	54.00	-25.15	AVG	P	
3	6200.3000	47.40	-10.31	37.09	74.00	-36.91	peak	P	
4	6200.3000	42.89	-10.31	32.58	54.00	-21.42	AVG	P	
5	13981.2000	44.62	0.64	45.26	74.00	-28.74	peak	P	
6 *	13981.2000	37.31	0.64	37.95	54.00	-16.05	AVG	P	



Site: 3m Anechoic Chamber

Polarization: **Horizontal**

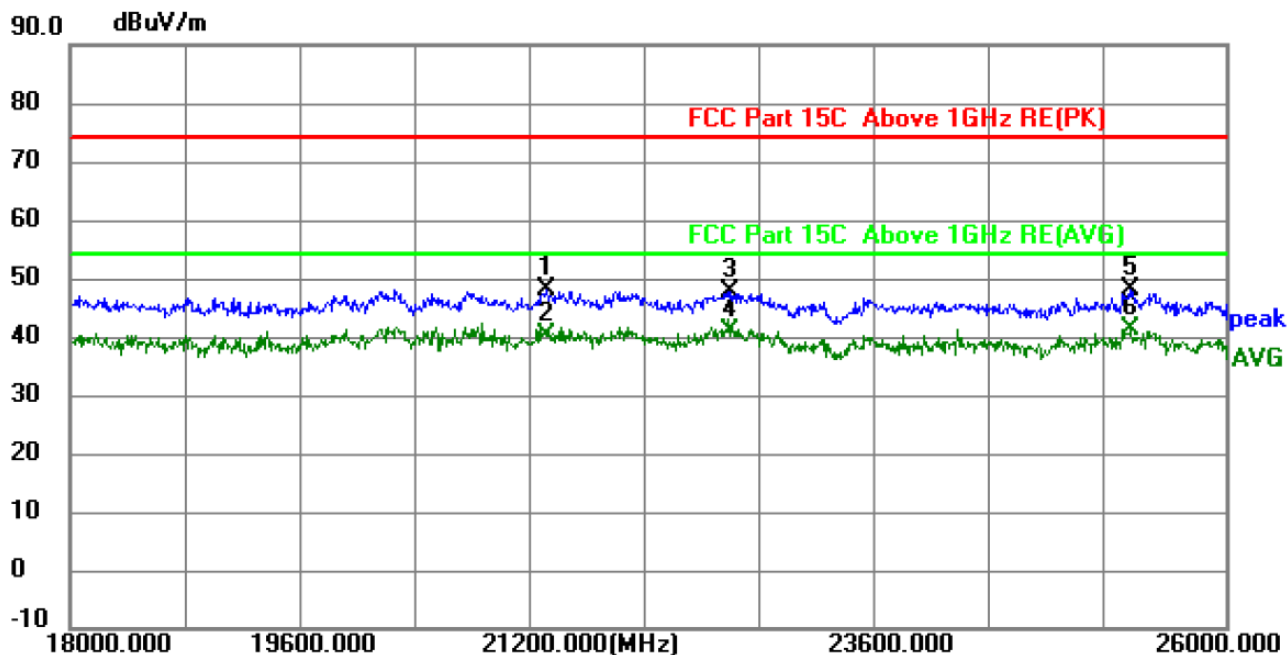
Temperature: 23.3 °C

Humidity: 51 %

Limit: FCC Part 15C Above 1GHz RE(PK)

Power:DC 6V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	20111.2000	49.30	-0.71	48.59	74.00	-25.41	peak	P	
2 *	20111.2000	43.12	-0.71	42.41	54.00	-11.59	AVG	P	
3	24199.2000	49.52	-1.49	48.03	74.00	-25.97	peak	P	
4	24199.2000	43.45	-1.49	41.96	54.00	-12.04	AVG	P	
5	25545.0665	48.36	-0.09	48.27	74.00	-25.73	peak	P	
6	25545.0665	41.31	-0.09	41.22	54.00	-12.78	AVG	P	



Site: 3m Anechoic Chamber

Polarization: **Vertical**

Temperature: 23.3 °C

Humidity: 51 %

Limit: FCC Part 15C Above 1GHz RE(PK)

Power: DC 6V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	21303.2000	49.28	-1.15	48.13	74.00	-25.87	peak	P	
2	21303.2000	41.27	-1.15	40.12	54.00	-13.88	AVG	P	
3	22570.1333	49.76	-1.92	47.84	74.00	-26.16	peak	P	
4	22570.1333	42.94	-1.92	41.02	54.00	-12.98	AVG	P	
5	25333.8666	48.06	-0.17	47.89	74.00	-26.11	peak	P	
6 *	25333.8666	41.49	-0.17	41.32	54.00	-12.68	AVG	P	

6. Test setup photo

Refer to appendix I for details

7. Photo of the EUT

Refer to appendix II & appendix III for details

*****End of report*****