

TEST REPORT

Radio Frequency Devices-Intentional Radiators

for

Products Name: STRATACACHE PLAYER

Model No.: Refer to section 2.2

FCC ID: 2BWNQ-SMP-Q-WIV-AP

Report No.: SST2606E068

Issued Date: 2026-6-5

Issued for

Stratacache Asia-Pacific Pte. Ltd.

133 Cecil Street #04-02 Keck Seng Tower Singapore 069535

Issued by

DONGGUAN QIYANG TESTING TECHNOLOGY CO., LTD.

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

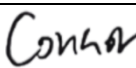
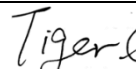
General disclaimer:

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.	CONDUCTED EMISSIONS.....	11
5.3.	DUTY CYCLE	15
5.4.	CONDUCTED OUTPUT POWER	16
5.5.	CHANNEL BANDWIDTH.....	17
5.6.	POWER SPECTRAL DENSITY	19
5.7.	FREQUENCY STABILITY.....	21
5.8.	RADIATED EMISSIONS	22
6.	TEST SETUP PHOTO.....	48
7.	PHOTO OF THE EUT.....	49

1. Basic Introduction

Applicant's name :	Stratacache Asia-Pacific Pte. Ltd.	
Address	133 Cecil Street #04-02 Keck Seng Tower Singapore 069535	
Manufacturer's name	Stratacache Asia-Pacific Pte. Ltd.	
Address	133 Cecil Street #04-02 Keck Seng Tower Singapore 069535	
Factory name	Stratacache Asia-Pacific Pte. Ltd.	
Address	133 Cecil Street #04-02 Keck Seng Tower Singapore 069535	
Products Name :	STRATACACHE PLAYER	
Model No :	Refer to section 2.2	
Trade Mark	STRATACACHE	
Rating(s) :	Adapter Model: HKA06012050-0A7 Input: 100-240V, 50/60Hz Output: DC 12.0V 5A	
Date of sample receipt :	2026-5-14	
Date of Test :	2026-5-14~2026-6-5	
Standard(s)	FCC 47 CFR PART 15 Subpart C Section 15.407 ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 KDB 789033 D02 General U-NII Test Procedures New Rules v02r01	
Tested by (+signature) :	Connor Ma	
Check by (+signature) :	Davis Zhou	
Approved by (+signature) :	Tiger Chen	



2. General description

2.1. EUT description

Products Name	STRATACACHE PLAYER	
Model No.	Refer to section 2.2	
Rating(s)	Adapter Model: HKA06012050-0A7 Input: 100-240V, 50/60Hz Output: DC 12.0V 5A	
SN:	26051313-0101	
Software version.....	V1.0	
Hardware version	FP530V10	
Operation frequency	5180MHz~5320MHz, 5500MHz~5700MHz, 5745MHz ~ 5825MHz	
TPC Support.....	No	
DFS Type	Slave without radar detection	
Modulation technology	802.11b/g/n/ax	
Supported Bandwidth	20MHz, 40MHz, 80MHz	
Antenna type	External Antenna	
Antenna gain	3.03 dBi	
Cable	Name	Description
	AC line	☐ Shielded ☒ Unshielded ☒ Detachable ☐ Un-detachable ☐ No applicable ☒ Length:0.8m

Note: 802.11ax not support partial RU mode, all test configurations are solely applicable to Full RU.

2.2. Serial model(s) and model difference

Main model(s)	SMP-Q-wIV-AP
Serial model(s)	SMP-R-el-AP, SMP-S-el-AP, SMP-SP-all-AP, SMP-L-el-AP, SMP-DX-all-AP, SMP-QX-wIV-AP, SMP-H-FVI-AP, SMP HX-vI-AP
Model difference	All models were in same PCB design and internal structure. The only difference is model name.

2.3. Auxiliary equipment

Support equipment list			
Description	Manufacturer	Model No.	Serial No.
Monitor	AOC	U27V4	/
Keyboard	leopard	Q9USB-1	/
Mouse	leopard	Q9USB-2	/

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	AC 120V

Channel List for 802.11					
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
36	5180	100	5500	132	5660
38	5190	102	5510	134	5670
40	5200	104	5520	136	5680
42	5210	106	5530	140	5700
44	5220	108	5540	149	5745
46	5230	110	5550	151	5755
48	5240	112	5560	153	5765
52	5260	116	5580	155	5775
54	5270	118	5590	157	5785
56	5280	120	5600	159	5795
58	5290	122	5610	161	5805
60	5300	124	5620	165	5825
62	5310	126	5630		
64	5320	128	5640		

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
Occupied bandwidth	57.74 kHz
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
SST2606E068	2026-6-5	Original Report

2.8.Test Facility

The test facility is recognized, certified, or accredited by the following organizations:	
A2LA	Certificate No.:7057.01
IC	Company Number: 30419
	CAB identifier: CN0154
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	DRTU
Power level setup	default

3. Verdict summary section

FCC 47 CFR PART 15 Subpart C		
Requirement – Test case	Basic standard	Verdict
Antenna requirement	FCC part 15.203	Pass
Automatically discontinue transmission	FCC part 15.407(c)	Pass
AC Power Line Conducted Emission	FCC part 15.207	Pass
Occupation Bandwidth / Emission bandwidth	FCC part 15.407(a)(e)	Pass
Conducted Output Power	FCC part 15.407(a)	Pass
Power Spectral Density	FCC part 15.407(a)	Pass
Unwanted Spurious Emission	FCC part 15.407(b)	Pass
Frequency Stability	FCC part 15.407(g) FCC part 15.205 FCC part 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.	Cal. cycle	Cal. Due
Conducted emissions					
EMI Test Receiver	R&S	ESR3	103057	1 year	2027/04/09
LISN	R&S	ENV 216	102832	1 year	2027/04/09
Test Software	Farad	EZ-EMC	3A1.6	/	/
Radiated emissions					
Loop Antenna	Schwarzbeck	FMZB 1513-60B	00044	1 year	2027/04/10
Broadband Antenna	Schwarzbeck	VULB 9162	00556	1 year	2027/04/10
Horn Antenna	Schwarzbeck	BBHA 9120 D	02783	1 year	2027/04/10
Horn Antenna	Schwarzbeck	BBHA 9170	01306	1 year	2027/04/10
EMI Test Receiver	R&S	ESU8	100372	1 year	2027/04/10
Spectrum Analyzer	R&S	FSV40-N	101791	1 year	2027/04/10
Amplifier	Schwarzbeck	BBV 9744	00327	1 year	2027/04/10
Amplifier	TSTPASS	LNA10180G45	TS2215008	1 year	2027/04/13
Amplifier	RF system	TRLA-180400G45B	23060801	1 year	2027/04/13
3m Anechoic Chamber	BOST	CHC-966	/	3 year	2029/04/10
Test Software	Farad	EZ-EMC	3A1.1+	/	/
RF conducted					
Spectrum Analyzer	keysight	N9020A	MY51280659	1 year	2027/04/09
Signal Generator	Agilent	N5181A	MY48180054	1 year	2027/04/09
Signal Generator	keysight	N5172B	MY57281610	1 year	2027/04/09
Spectrum Analyzer	R&S	FSV40-N	101791	1 year	2027/04/09
Wideband Radio Communication Tester	R&S	CMW500	123123	1 year	2027/04/09
RF Switch Box	TST PASS	TST V2	/	1 year	2027/04/09
Test Software	TST PASS	TST PASS	V2.0	/	/
Temperature and humidity chamber	Guangdong fenghe	FH-TH-1000	FH24032017	1 year	2027/03/10

5. Technical Requirement and Measurement Data

5.1. Generally 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 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.

15.407 requirement:

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:

Reference to the appendix II for details

15.407(c) requirement:

The applicant declares that the device shall automatically discontinue transmission in cases of absence of information to transmit, or operational failure.

5.2. Conducted 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

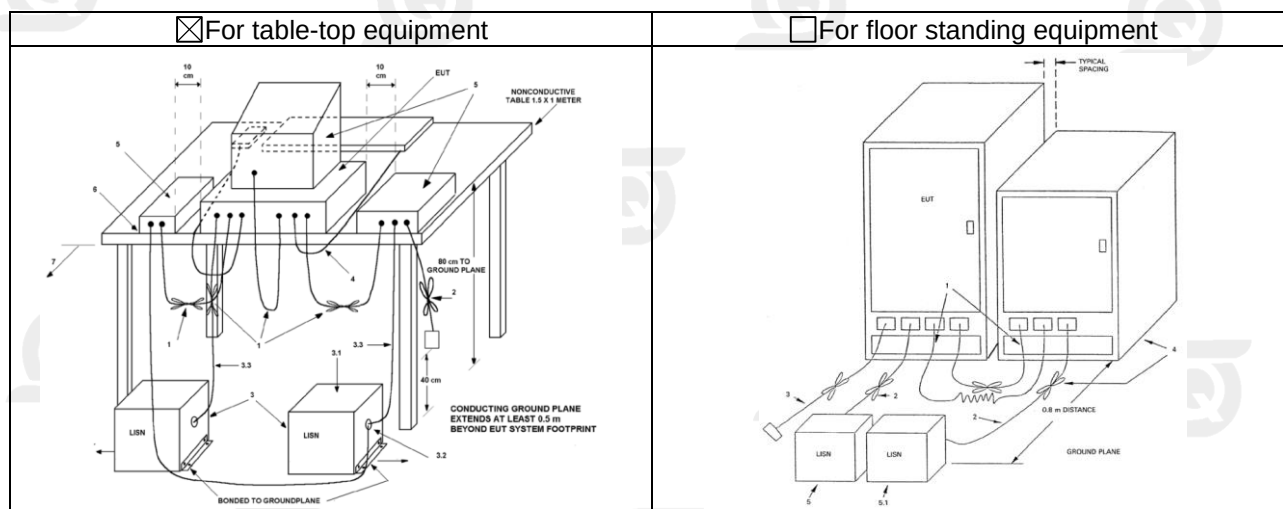
The measurement was performed in a shield room.

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.

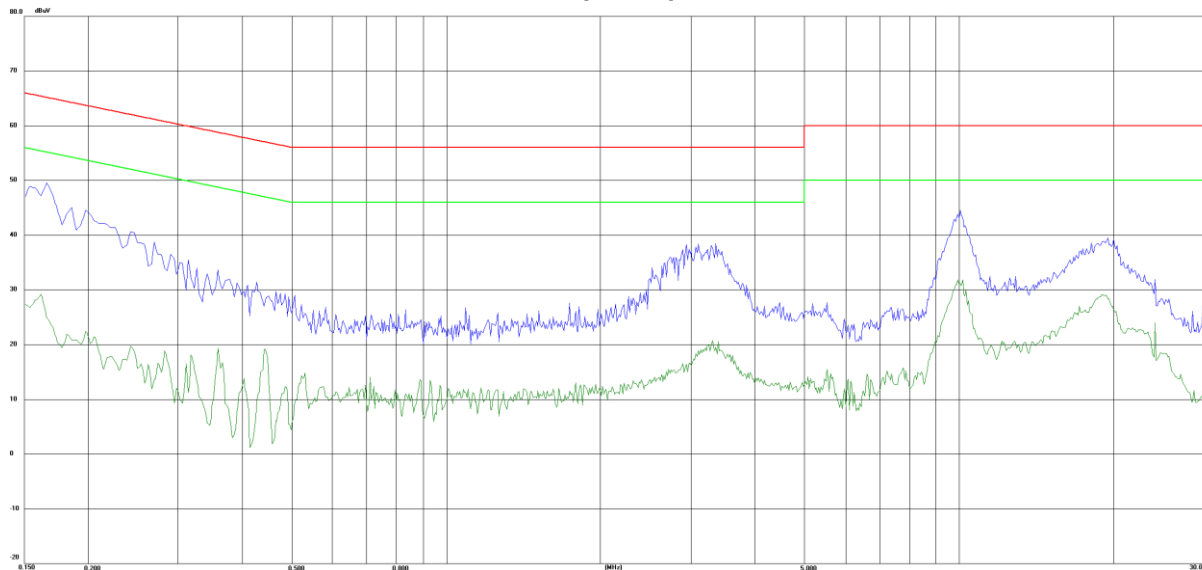
5.2.3. Block diagram of test setup



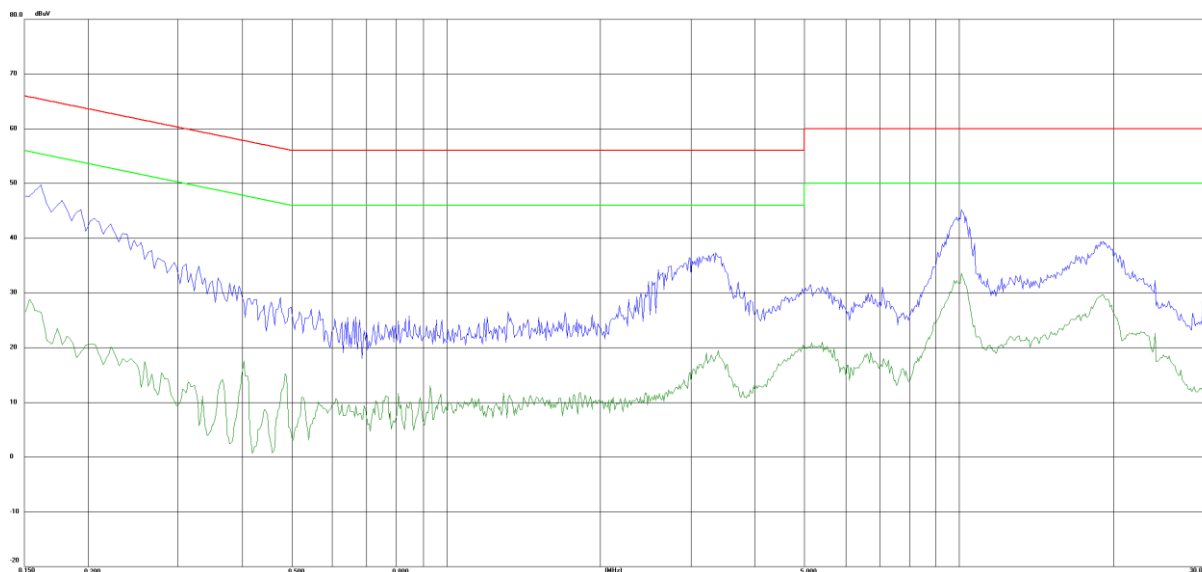
5.2.4. Test information

Ambient temperature:	23.0 °C
Relative humidity:	47 %
EUT operation mode:	Mode 1
Test results:	Pass
Remark:	Correct Factor Value = Attenuator Factor + Cable Loss + LISN Factor Measurement Value = Reading Level Value + Correct Factor Value Over Value = Measurement Value - Limit Value Only the worst case report (802.11ac 5180MHz)

Measurement data and Graphical presentation of the result



No.	Frequency (MHz)	QP Value (dBuV)	QP Limit (dBuV)	QP Margin (dB)	AVG Value (dBuV)	AVG Limit (dBuV)	AVG Margin (dB)	Result	Line
1	0.167	49.17	65.11	-15.94	29.16	55.11	-25.95	Pass	Line 1
2	0.198	44.54	63.69	-19.15	22.49	53.69	-31.20	Pass	Line 1
3	0.242	40.66	62.03	-21.37	19.75	52.03	-32.28	Pass	Line 1
4	3.362	38.48	56.00	-17.52	20.72	46.00	-25.28	Pass	Line 1
5	10.026	44.59	60.00	-15.41	31.83	50.00	-18.17	Pass	Line 1
6	19.478	39.55	60.00	-20.45	29.23	50.00	-20.77	Pass	Line 1



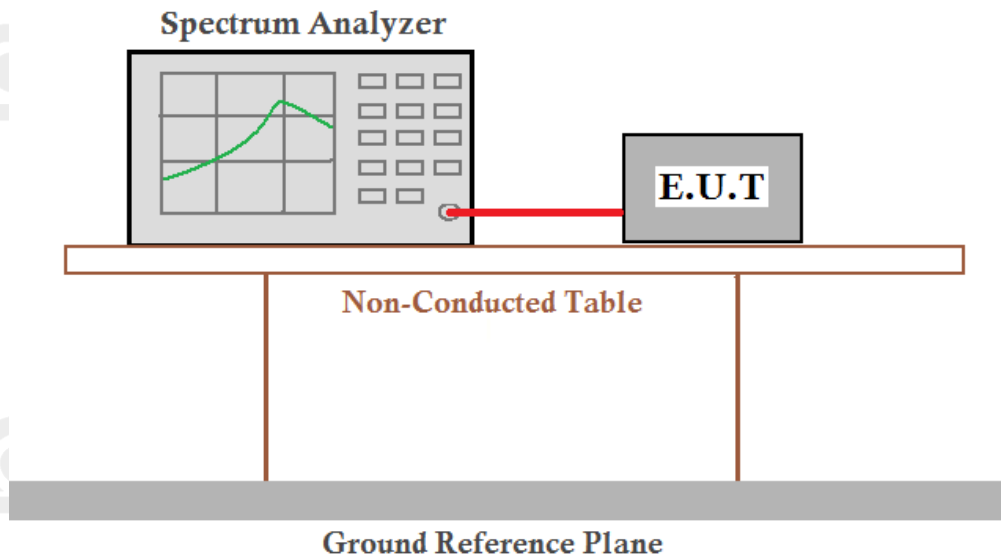
No.	Frequency (MHz)	QP Value (dBuV)	QP Limit (dBuV)	QP Margin (dB)	AVG Value (dBuV)	AVG Limit (dBuV)	AVG Margin (dB)	Result	Line
1	0.162	49.72	65.36	-15.64	26.74	55.36	-28.62	Pass	Neutral
2	0.178	46.92	64.58	-17.66	23.58	54.58	-31.00	Pass	Neutral
3	0.194	45.23	63.86	-18.63	20.68	53.86	-33.18	Pass	Neutral
4	0.222	42.59	62.74	-20.15	20.06	52.74	-32.68	Pass	Neutral
5	3.390	37.34	56.00	-18.66	19.52	46.00	-26.48	Pass	Neutral
6	10.074	45.23	60.00	-14.77	33.58	50.00	-16.42	Pass	Neutral

5.3. Duty Cycle

Limit

Report for use

Block diagram of Test Setup



Test Instrument

Refer to section 4 for details

Test Procedures

The transmitter output connected to the Spectrum Analyzer.
Test according to Procedure 6.0)b in KDB 789033.

- 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

5.4. Conducted Output Power

Limit	
Frequency band(MHz)	Maximum conducted power
5150-5250	≤1W(30dBm) for master device
	≤250mW(23.98dBm) for client device
5250-5350	≤250mW (23.98dBm) for client device or 11dBm+10logB*
5470-5725	≤250mW (23.98dBm) for client device or 11dBm+10logB*
5725-5850	the maximum conducted output power shall not exceed 1 W

Remark: *Where B is the 26dB emission bandwidth in MHz.

The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

Block diagram of Test Setup



Test Instrument

Refer to section 4 for details

Test Procedures

Test according to ANSI C63.10 clause 12.4 and KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section E, 3, a

1. The RF output of EUT was connected to the power meter by RF cable. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously.
3. Measure the average output power and record the results in the test report.

Verdict

Pass

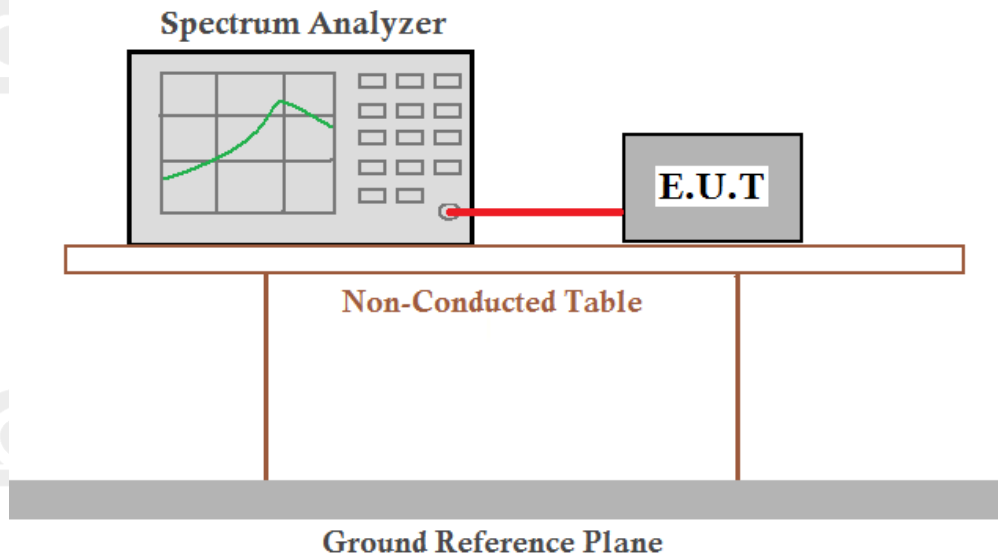
Measurement Data: The detailed test data see Appendix

5.5. Channel Bandwidth

Limit

Emission bandwidth: report only
 -6dB bandwidth: >500KHz

Block diagram of Test Setup



Test Instrument

Refer to section 4 for details

Test Procedures

Emission bandwidth:

- Set RBW = approximately 1%~5% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%~5%.

Occupied bandwidth:

- The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level. Specific guidance is given in 4.1.5.2.
- Step a) through step c) might require iteration to adjust within the specified range.
- Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

6 dB emission bandwidth:

- Set RBW = 100 kHz.

- b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) 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.

Verdict

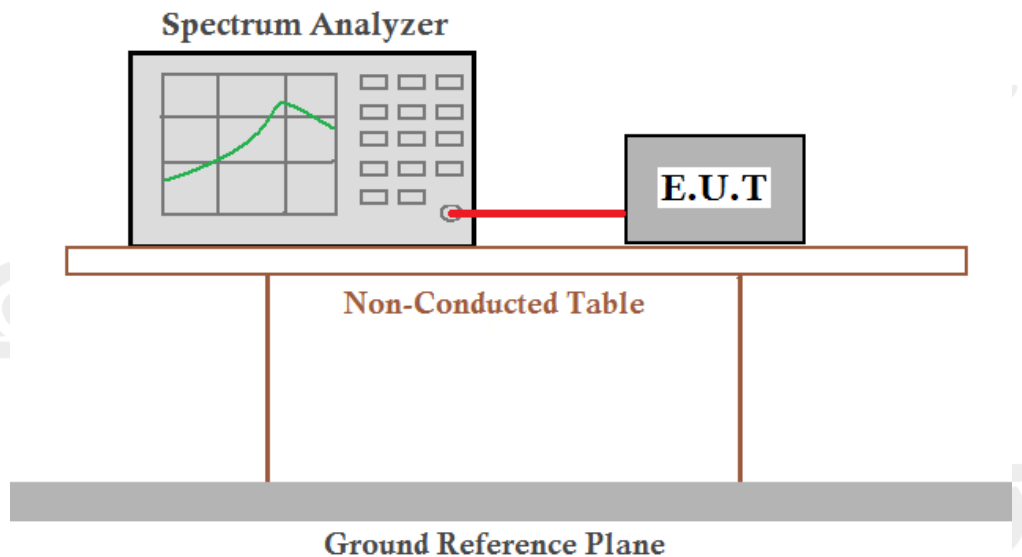
Pass

Measurement Data: The detailed test data see Appendix

5.6. Power Spectral Density

Limit	Frequency band (MHz)	Maximum power spectral density
	5150-5250	≤17dBm in 1MHz for master device
		≤11dBm in 1MHz for client device
	5250-5350	≤11dBm in 1MHz for client device
	5470-5725	≤11dBm in 1MHz for client device
	5725-5850	30dBm/500kHz

Block diagram of Test Setup



Test Instrument

Refer to section 4 for details

Test Procedures

- Create an average power spectrum for the EUT operating mode being tested by following the instructions in 12.3.2 for measuring maximum conducted output power using a spectrum analyzer or EMI receiver; that is, select the appropriate test method (SA-1, SA-2, SA-3, or their respective alternatives) and apply it up to, but not including, the step labeled, "Compute power..." (This procedure is required even if the maximum conducted output power measurement was performed using the power meter method PM.)
- Use the peak search function on the instrument to find the peak of the spectrum.
- Make the following adjustments to the peak value of the spectrum, if applicable:
 - If method SA-2 or SA-2A was used, then add $[10 \log (1 / D)]$, where D is the duty cycle, to the peak of the spectrum.
 - If method SA-3A was used and the linear mode was used in step h) of 12.3.2.7, add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.
- The result is the PPSD.
- The procedure in item a) through item c) requires the use of 1 MHz resolution bandwidth to satisfy the 1 MHz measurement bandwidth specified by some regulatory authorities. This requirement also permits use of resolution bandwidths less than 1 MHz "provided that the measured power is integrated to show the total power over the measurement bandwidth" (i.e., 1 MHz). If measurements are performed using a reduced resolution bandwidth and integrated over 1 MHz bandwidth, the following adjustments to the procedures apply:
 - Set $RBW \geq 1 / T$, where T is defined in 12.2 a).

2) Set VBW $\geq [3 \times \text{RBW}]$.

3) Care shall be taken such that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Verdict

Pass

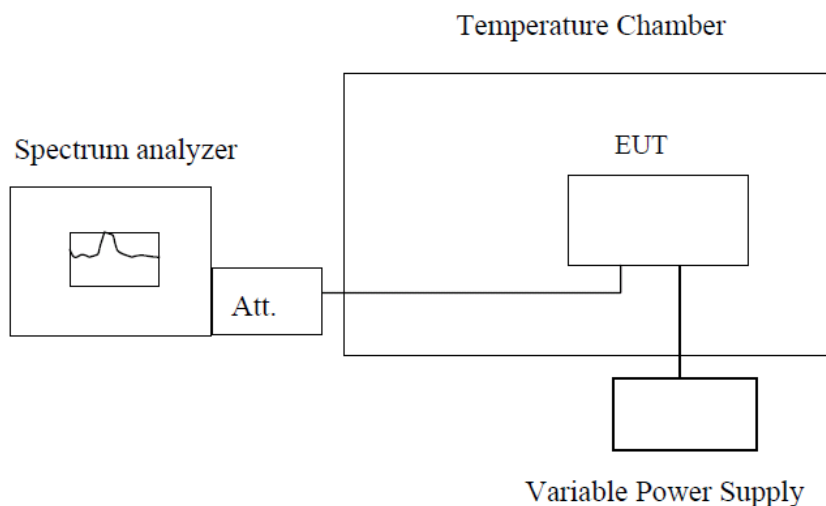
Measurement Data: The detailed test data see Appendix

5.7. Frequency Stability

Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified

Block diagram of Test Setup



Note : Measurement setup for testing on Antenna connector

Test Instrument

Refer to section 4 for details

Test Procedures

- The EUT was placed inside the environmental test chamber and powered by nominal AC/DC voltage.
 - Turn the EUT on and couple its output to a spectrum analyzer.
 - Turn the EUT off and set the chamber to the highest temperature specified.
 - Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize.
 - Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
 - The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes.
- The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

Verdict

Pass

Measurement Data: The detailed test data see Appendix

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.

For transmitters with operating frequencies in the band 5150-5250 MHz:

All emissions outside the 5150-5350 MHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band:

All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band:

All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating solely in the 5.725-5.850 GHz band:

All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

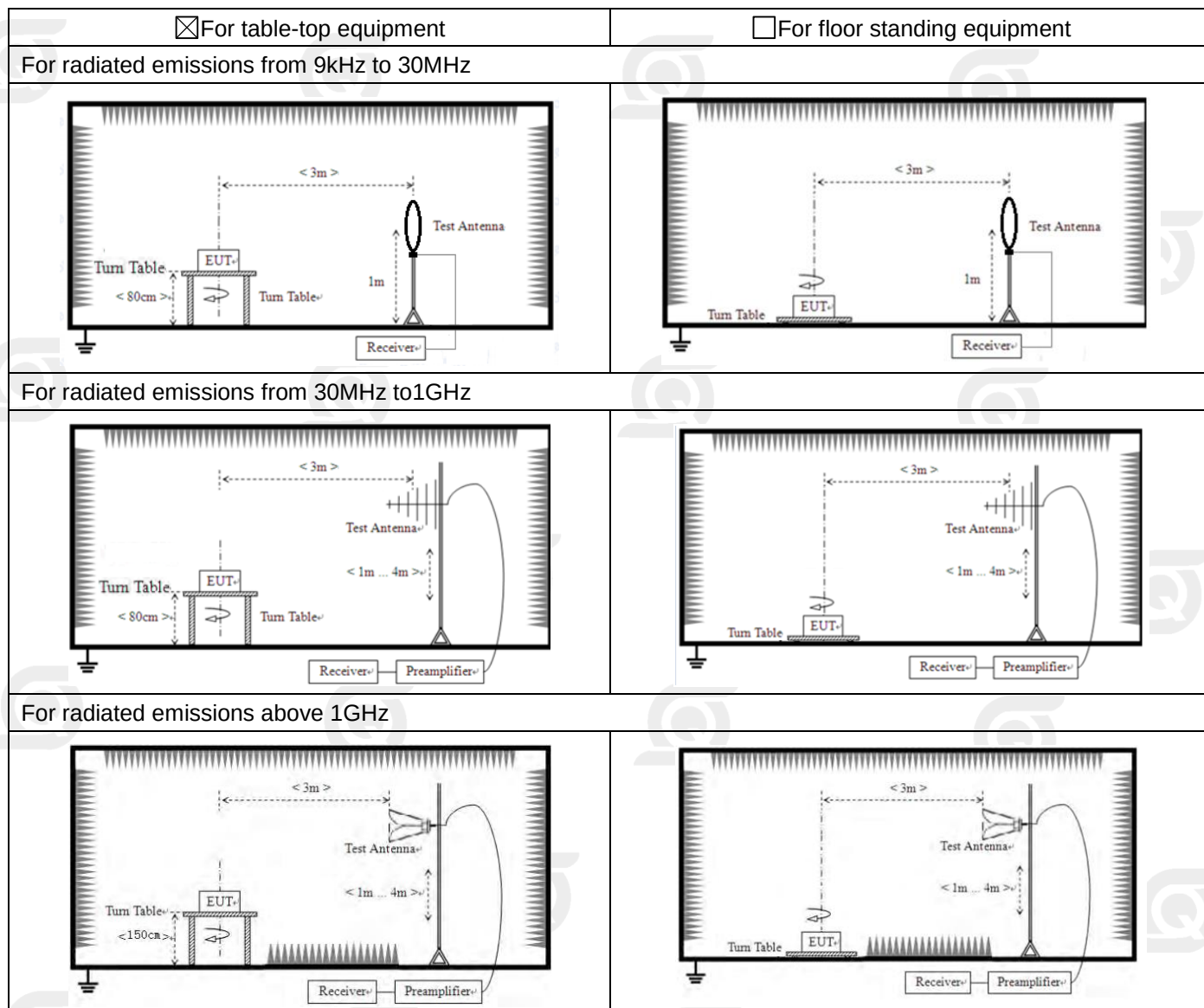
5.8.2. Test method

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 KDB 789033 D02 v02r01 & C63.10

5.8.3. Block diagram of test setup



5.8.4. Test information

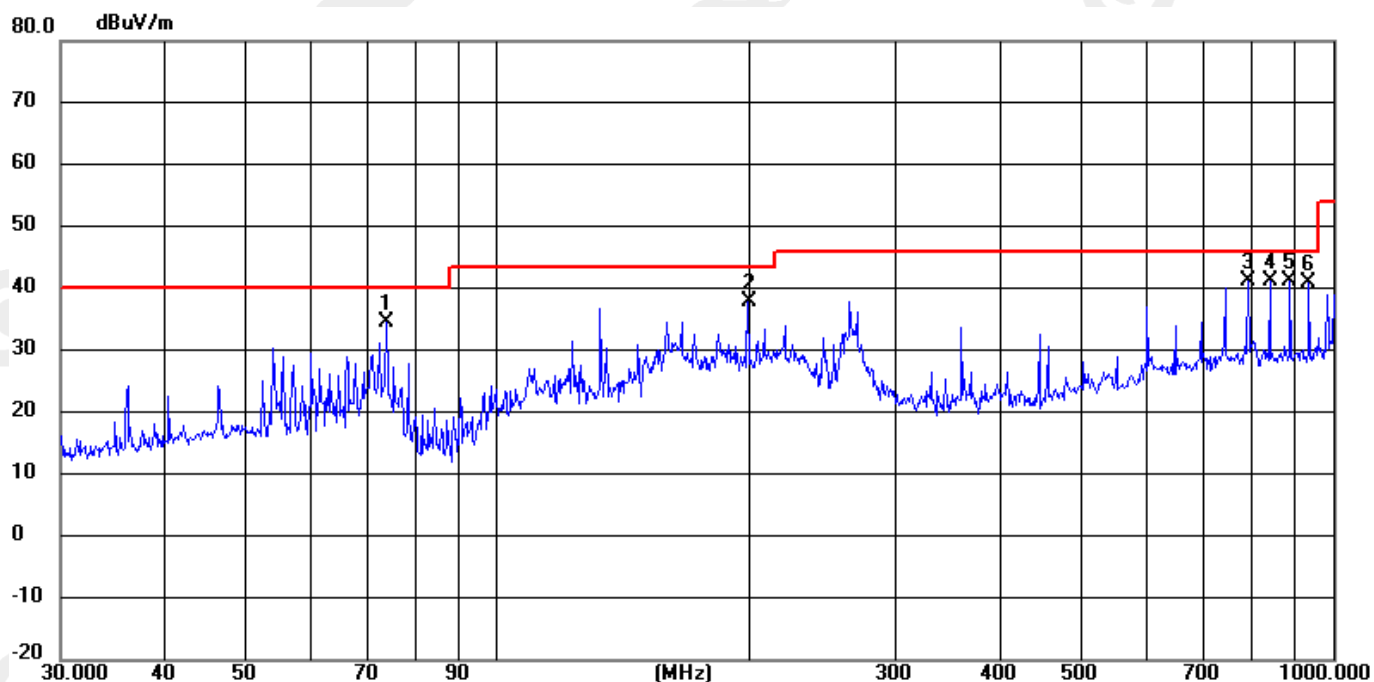
Ambient temperature:	24.5 °C
Relative humidity:	46 %
EUT operation mode:	Mode 1
Test results:	Pass
Remark:	Factor Value = Antenna Factor + Cable Loss - Preamplifier Factor Level Value = Reading Value + Factor Value Margin Value = Level Value - Limit Value

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.

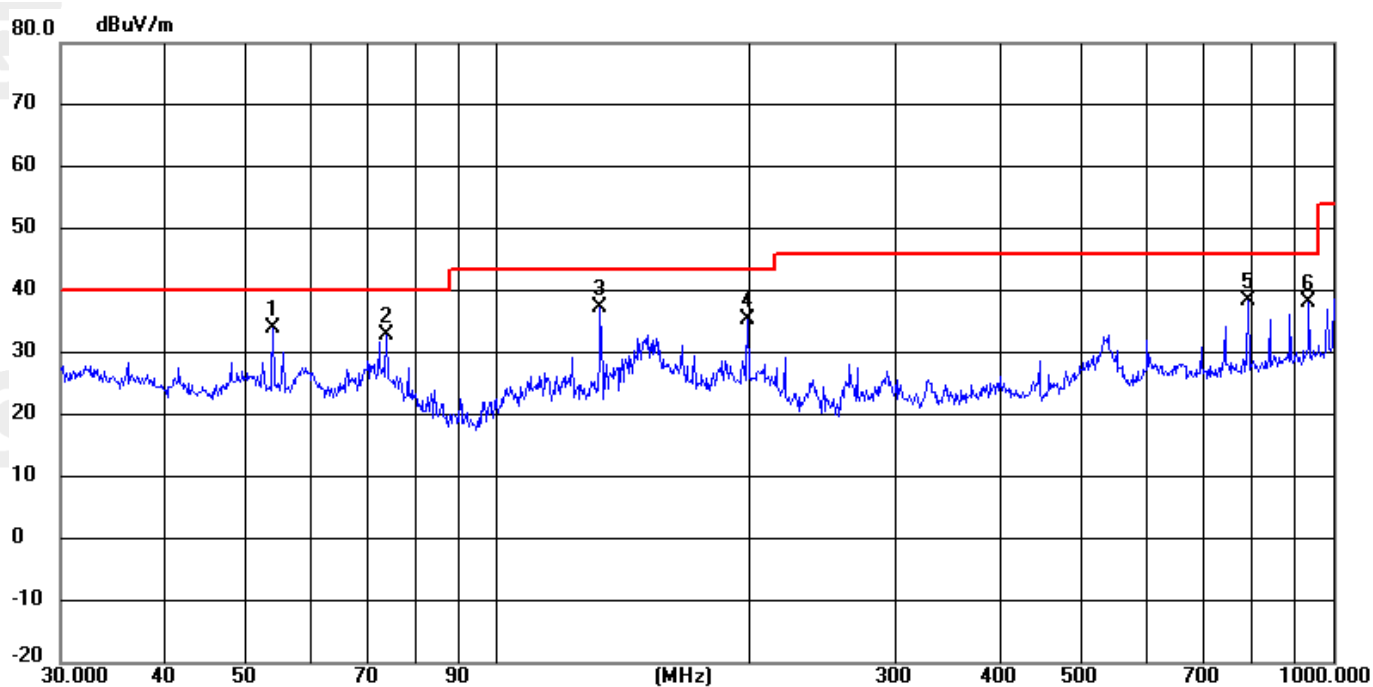
Spurious emissions above 18GHz were cabinet noise, which more than 20db below the spurious emission limit, so not report

Measurement data and Graphical presentation of the result

All condition were test and passed, only worst data report (802.11ac 5180MHz)



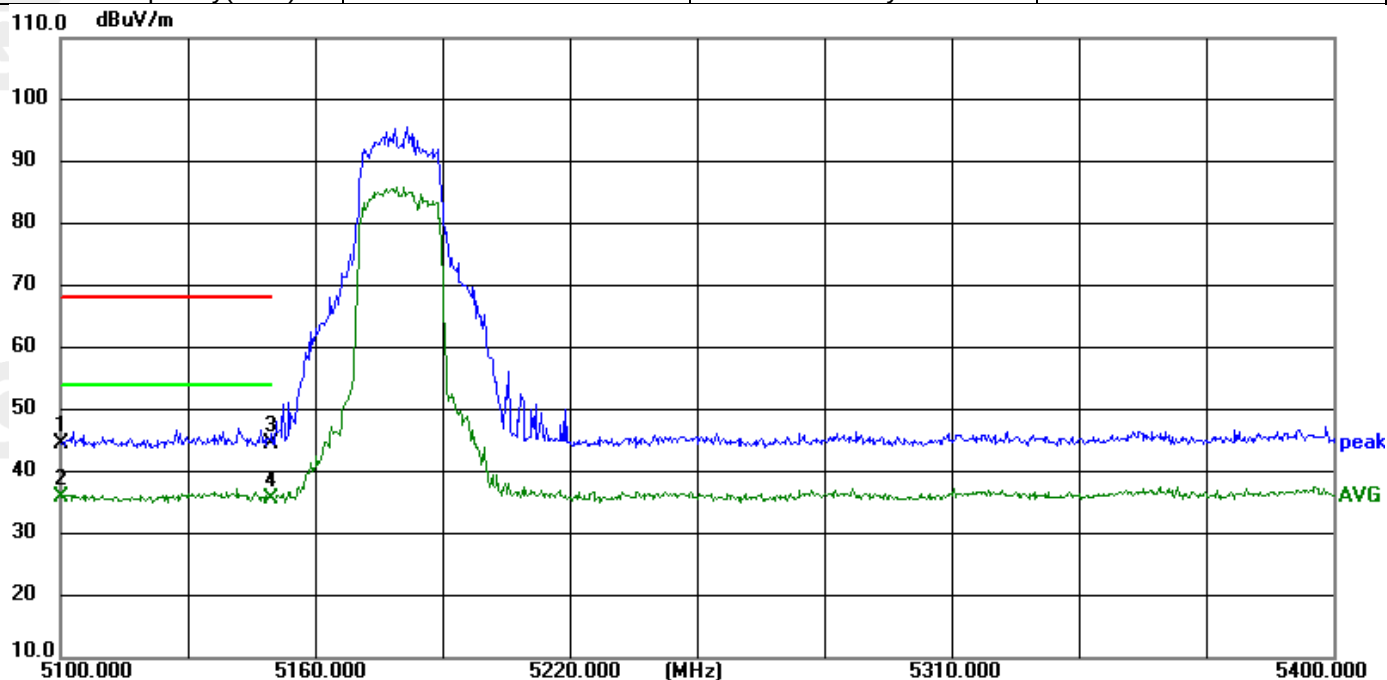
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1	73.714	24.95	9.63	34.58	40.00	-5.42	QP	Horizontal
2	199.986	25.79	11.99	37.78	43.50	-5.72	QP	Horizontal
3 *	792.006	16.89	24.41	41.30	46.00	-4.70	QP	Horizontal
4	840.286	15.93	25.27	41.20	46.00	-4.80	QP	Horizontal
5	887.999	15.64	25.57	41.21	46.00	-4.79	QP	Horizontal
6	936.367	15.04	25.90	40.94	46.00	-5.06	QP	Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1 *	53.976	19.34	14.60	33.94	40.00	-6.06	QP	Vertical
2	73.746	23.32	9.62	32.94	40.00	-7.06	QP	Vertical
3	132.859	27.54	9.72	37.26	43.50	-6.24	QP	Vertical
4	199.635	23.56	11.92	35.48	43.50	-8.02	QP	Vertical
5	792.006	14.10	24.41	38.51	46.00	-7.49	QP	Vertical
6	936.367	12.41	25.90	38.31	46.00	-7.69	QP	Vertical

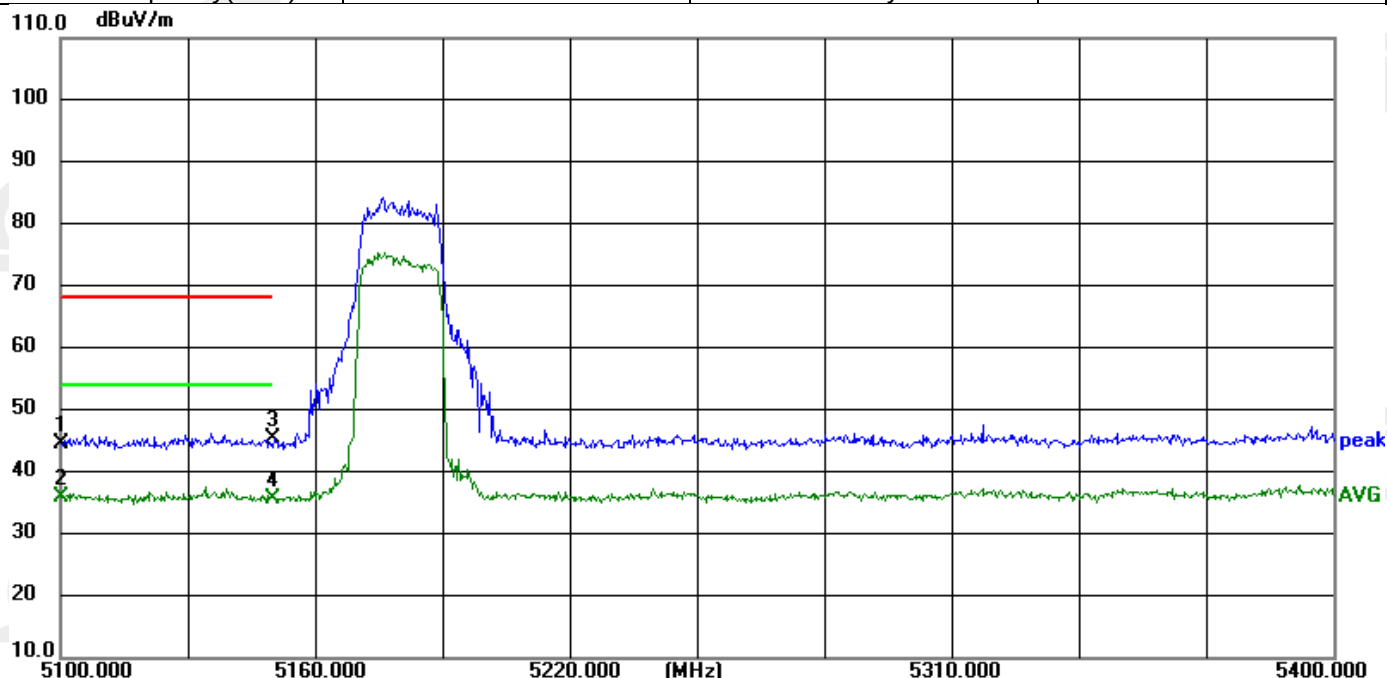
Band Edge (worst mode, 802.11ax):

Test Frequency(MHz)	5180	Polarity	Horizontal
---------------------	------	----------	------------



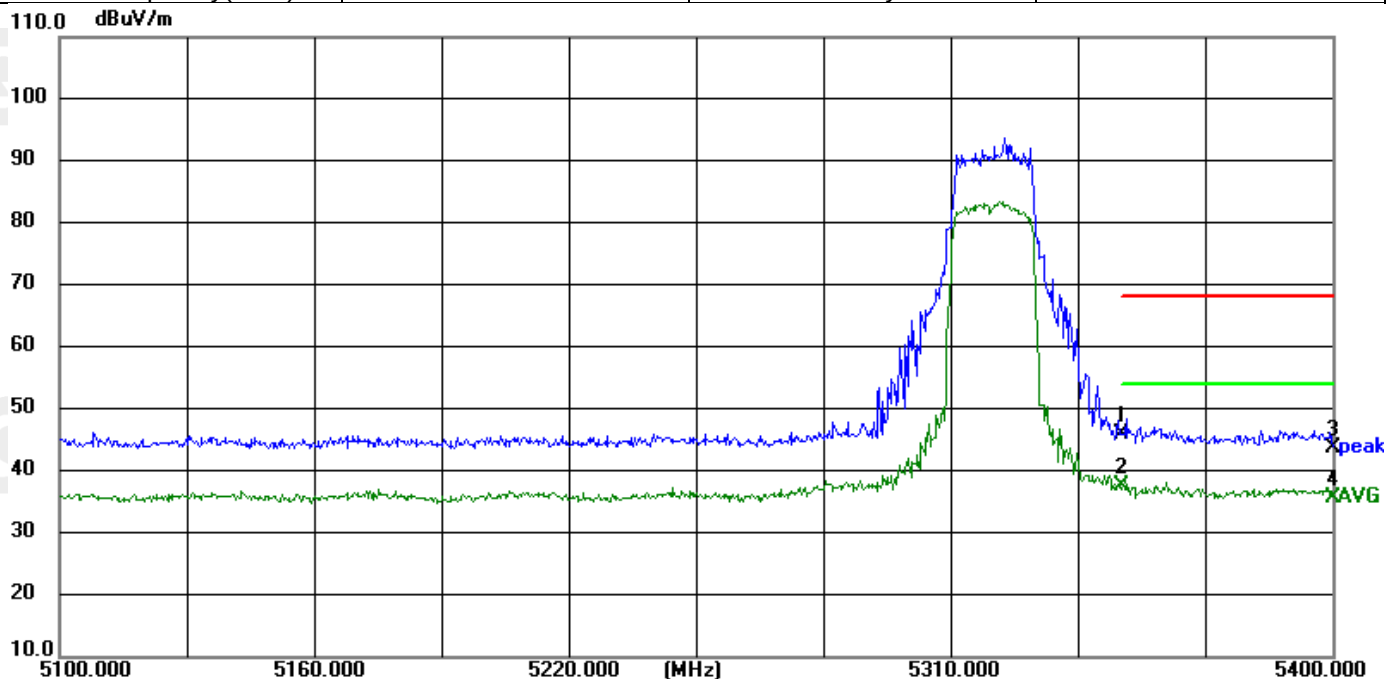
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5100.000	57.39	-12.78	44.61	68.20	-23.59	peak	
2 *	5100.000	48.79	-12.78	36.01	54.00	-17.99	AVG	
3	5150.000	57.28	-12.77	44.51	68.20	-23.69	peak	
4	5150.000	48.60	-12.77	35.83	54.00	-18.17	AVG	

Test Frequency(MHz)	5180	Polarity	Vertical
---------------------	------	----------	----------



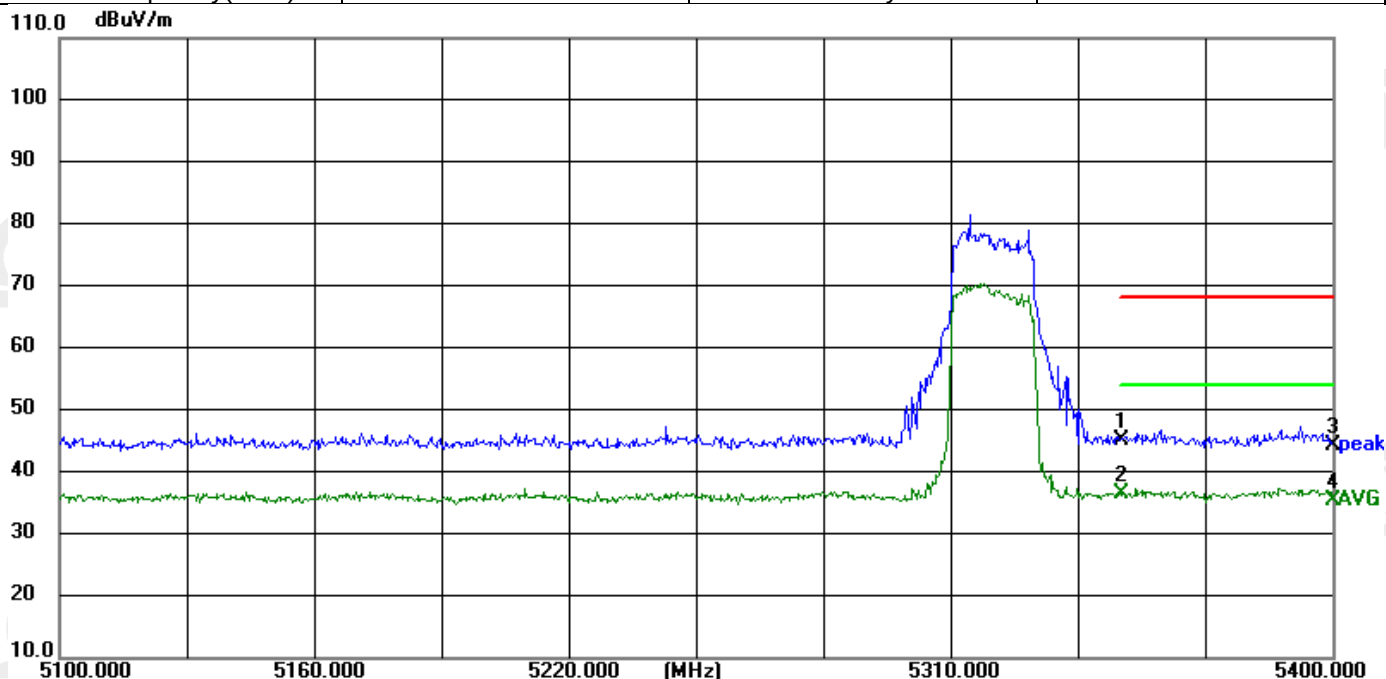
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5100.000	57.26	-12.78	44.48	68.20	-23.72	peak	
2 *	5100.000	48.70	-12.78	35.92	54.00	-18.08	AVG	
3	5150.000	58.18	-12.77	45.41	68.20	-22.79	peak	
4	5150.000	48.49	-12.77	35.72	54.00	-18.28	AVG	

Test Frequency(MHz)	5320	Polarity	Horizontal
---------------------	------	----------	------------



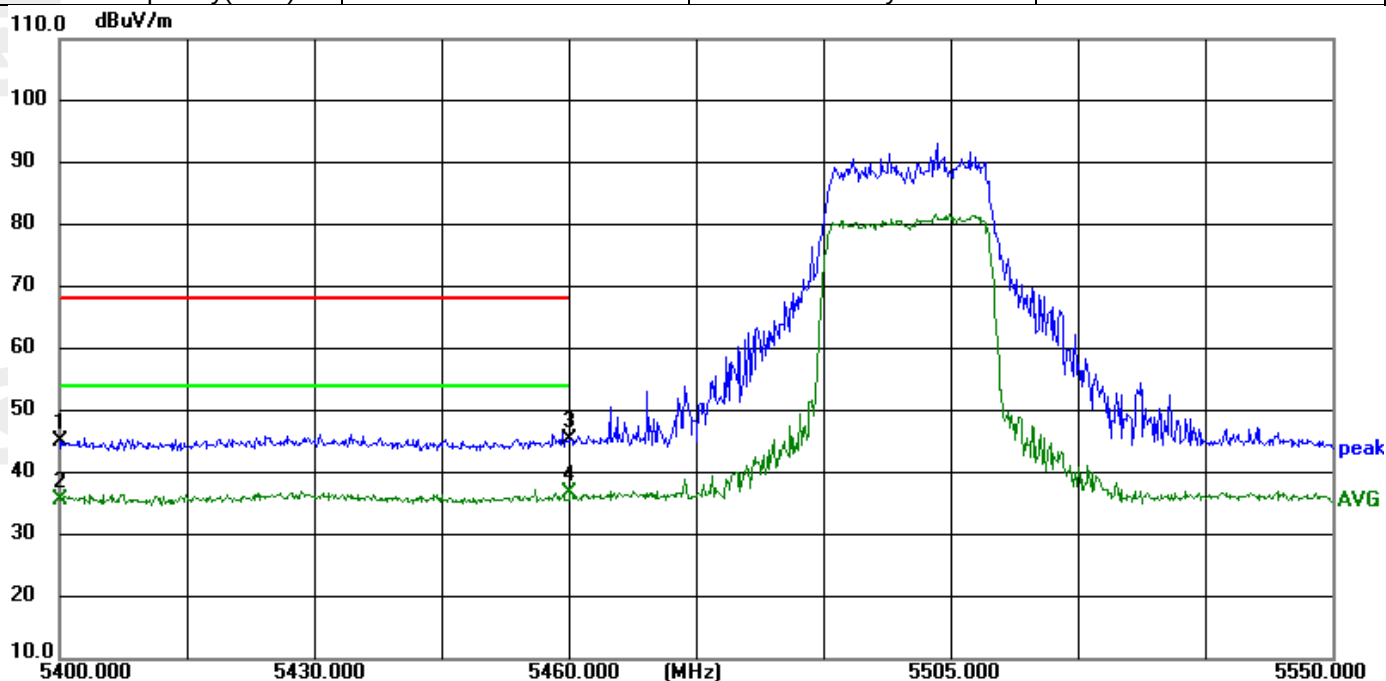
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5350.000	58.71	-12.73	45.98	68.20	-22.22	peak	
2 *	5350.000	50.36	-12.73	37.63	54.00	-16.37	AVG	
3	5400.000	56.60	-12.72	43.88	68.20	-24.32	peak	
4	5400.000	48.40	-12.72	35.68	54.00	-18.32	AVG	

Test Frequency(MHz)	5320	Polarity	Vertical
---------------------	------	----------	----------



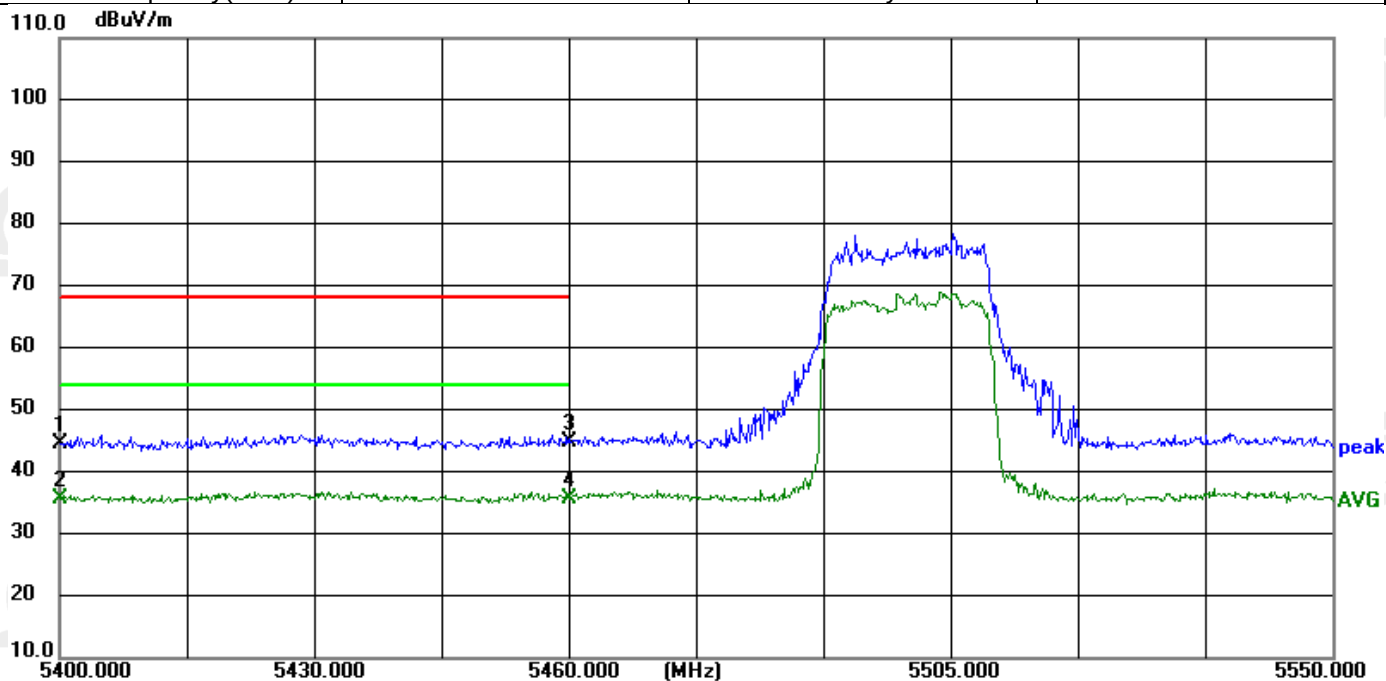
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5350.000	57.99	-12.73	45.26	68.20	-22.94	peak	
2 *	5350.000	49.30	-12.73	36.57	54.00	-17.43	AVG	
3	5400.000	57.08	-12.72	44.36	68.20	-23.84	peak	
4	5400.000	48.23	-12.72	35.51	54.00	-18.49	AVG	

Test Frequency(MHz)	5500	Polarity	Horizontal
---------------------	------	----------	------------



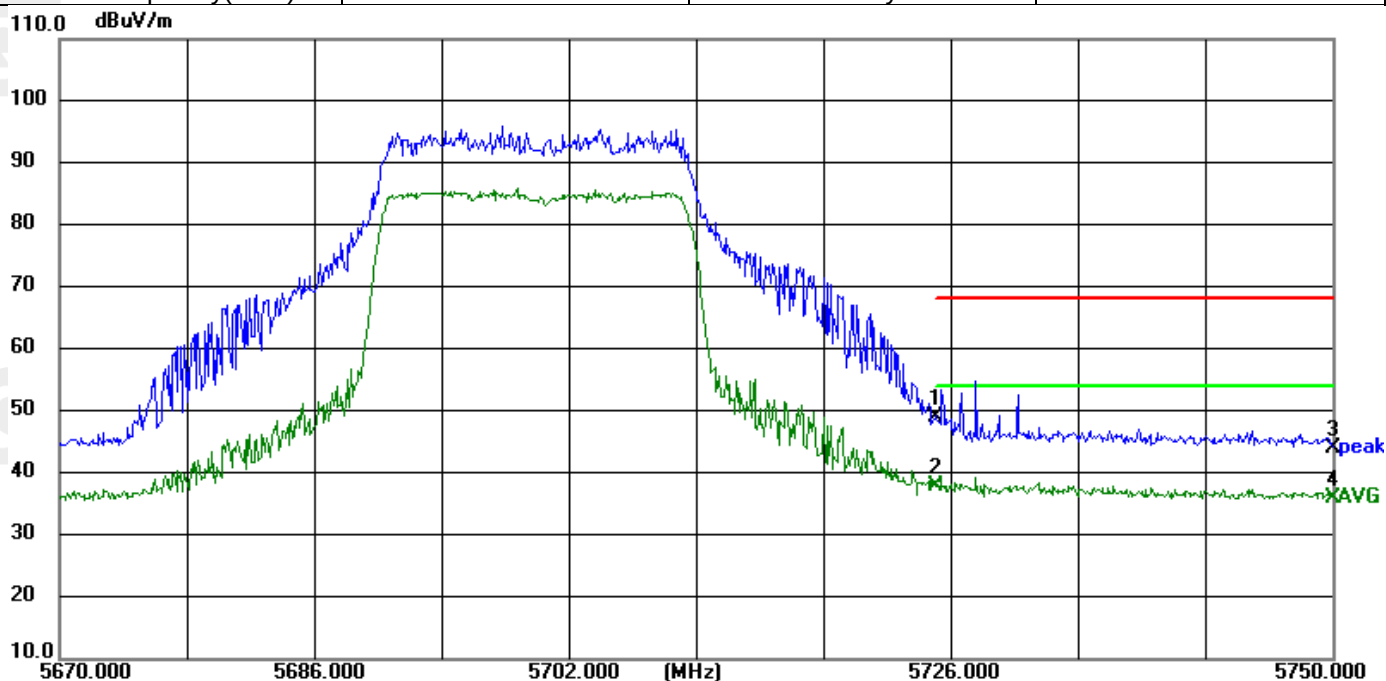
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5400.000	57.82	-12.72	45.10	68.20	-23.10	peak	
2	5400.000	48.32	-12.72	35.60	54.00	-18.40	AVG	
3	5460.000	58.15	-12.72	45.43	68.20	-22.77	peak	
4 *	5460.000	49.45	-12.72	36.73	54.00	-17.27	AVG	

Test Frequency(MHz)	5500	Polarity	Vertical
---------------------	------	----------	----------



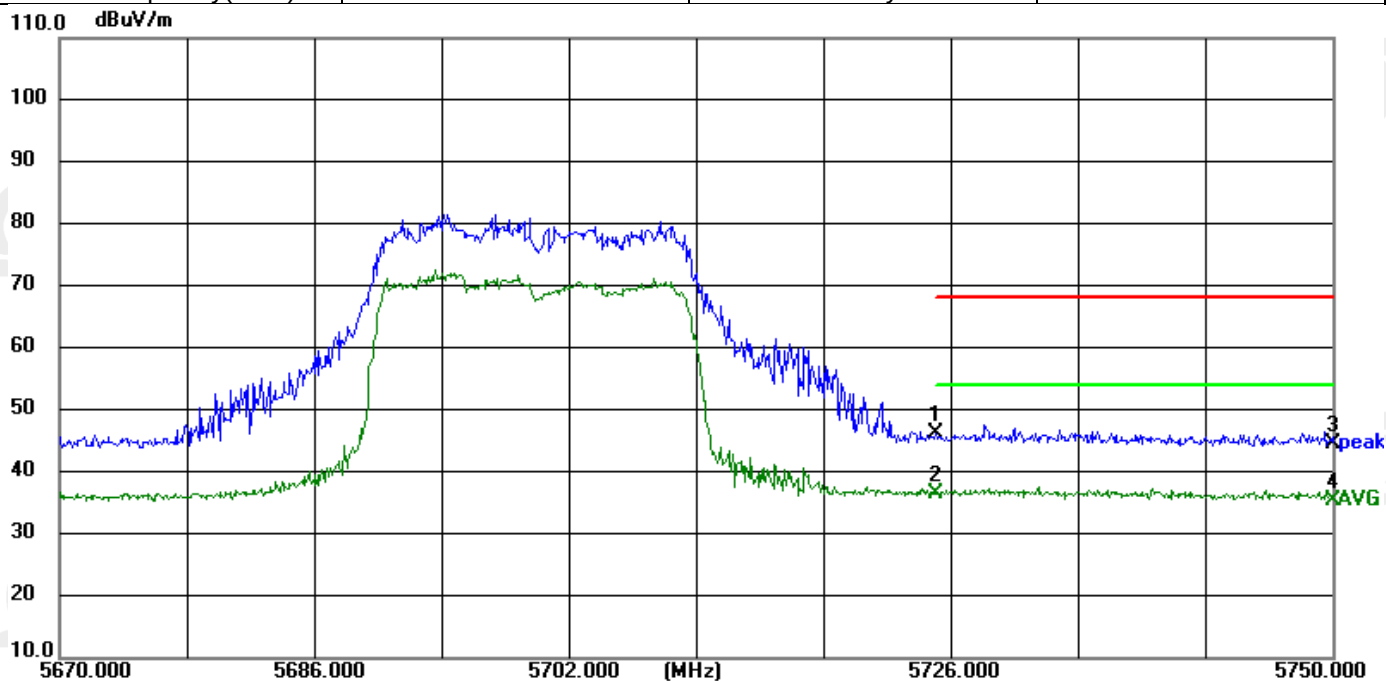
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5400.000	57.18	-12.72	44.46	68.20	-23.74	peak	
2	5400.000	48.48	-12.72	35.76	54.00	-18.24	AVG	
3	5460.000	57.67	-12.72	44.95	68.20	-23.25	peak	
4 *	5460.000	48.50	-12.72	35.78	54.00	-18.22	AVG	

Test Frequency(MHz)	5700	Polarity	Horizontal
---------------------	------	----------	------------



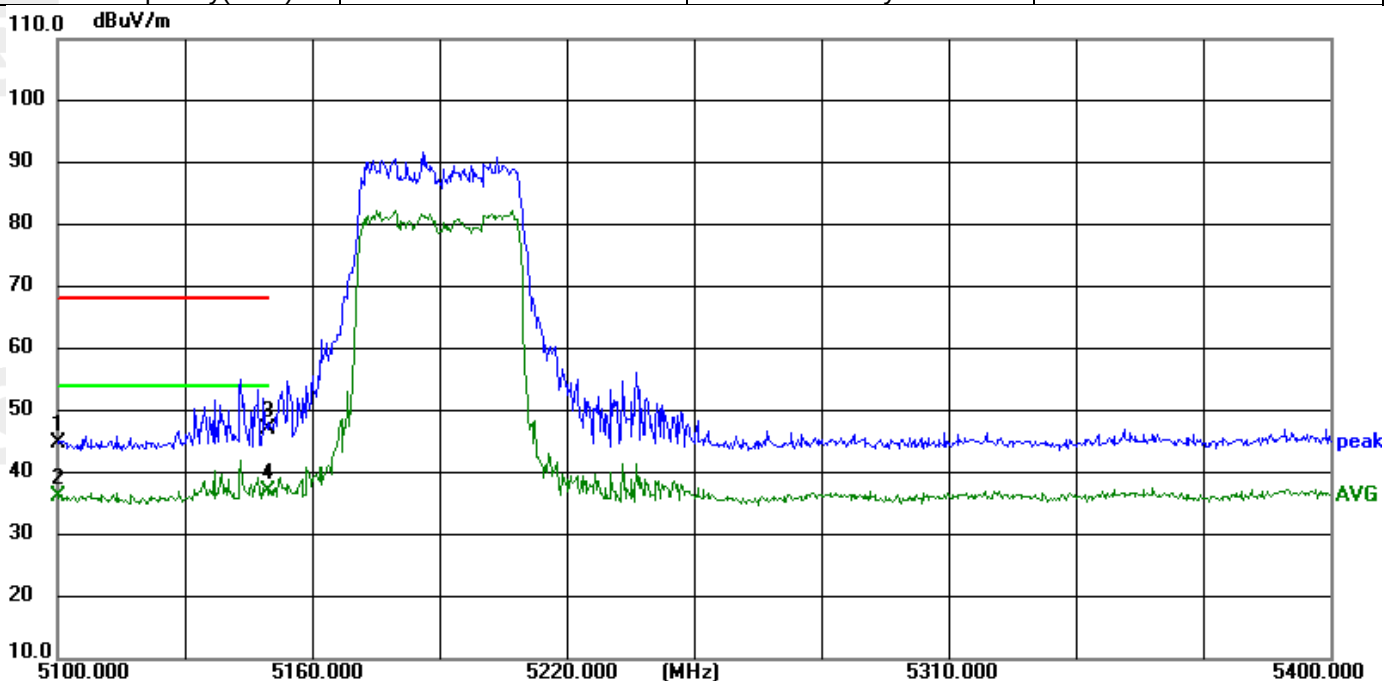
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5725.000	60.95	-11.94	49.01	68.20	-19.19	peak	
2 *	5725.000	49.86	-11.94	37.92	54.00	-16.08	AVG	
3	5750.000	55.91	-11.86	44.05	68.20	-24.15	peak	
4	5750.000	47.95	-11.86	36.09	54.00	-17.91	AVG	

Test Frequency(MHz)	5700	Polarity	Vertical
---------------------	------	----------	----------



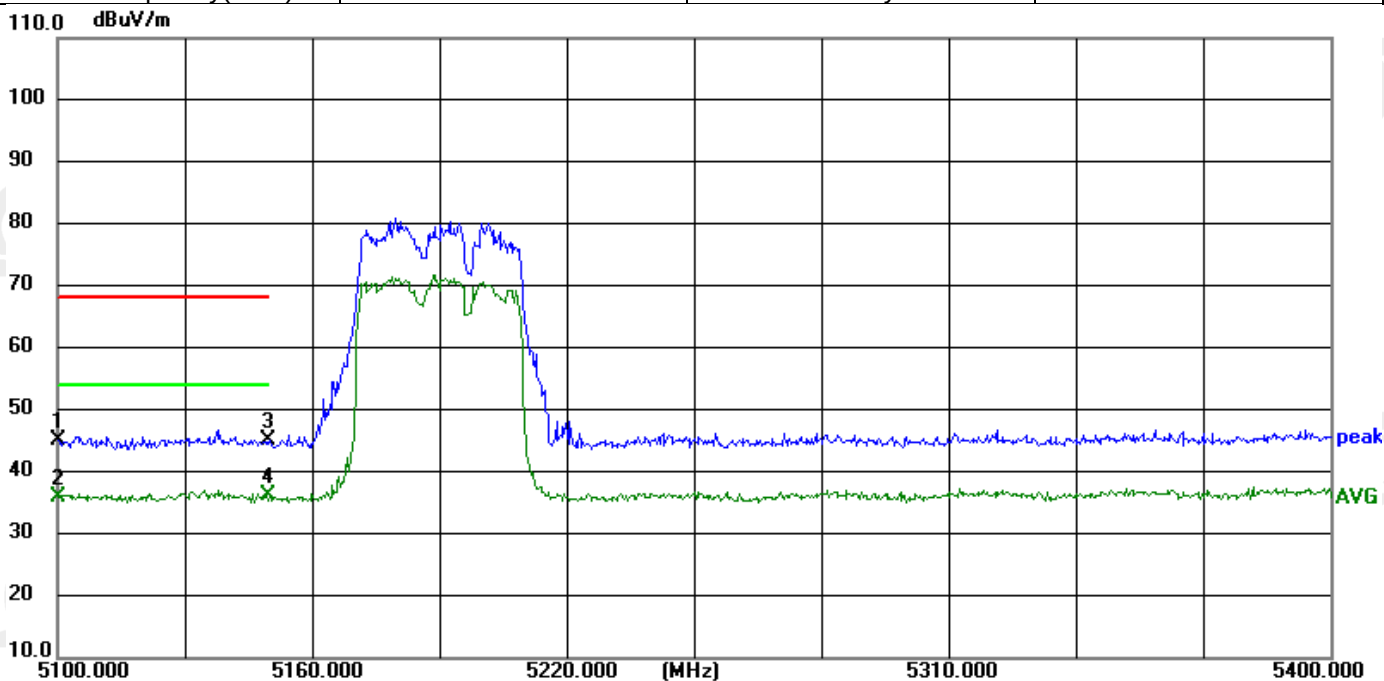
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5725.000	58.22	-11.94	46.28	68.20	-21.92	peak	
2 *	5725.000	48.53	-11.94	36.59	54.00	-17.41	AVG	
3	5750.000	56.52	-11.86	44.66	68.20	-23.54	peak	
4	5750.000	47.15	-11.86	35.29	54.00	-18.71	AVG	

Test Frequency(MHz)	5190	Polarity	Horizontal
---------------------	------	----------	------------



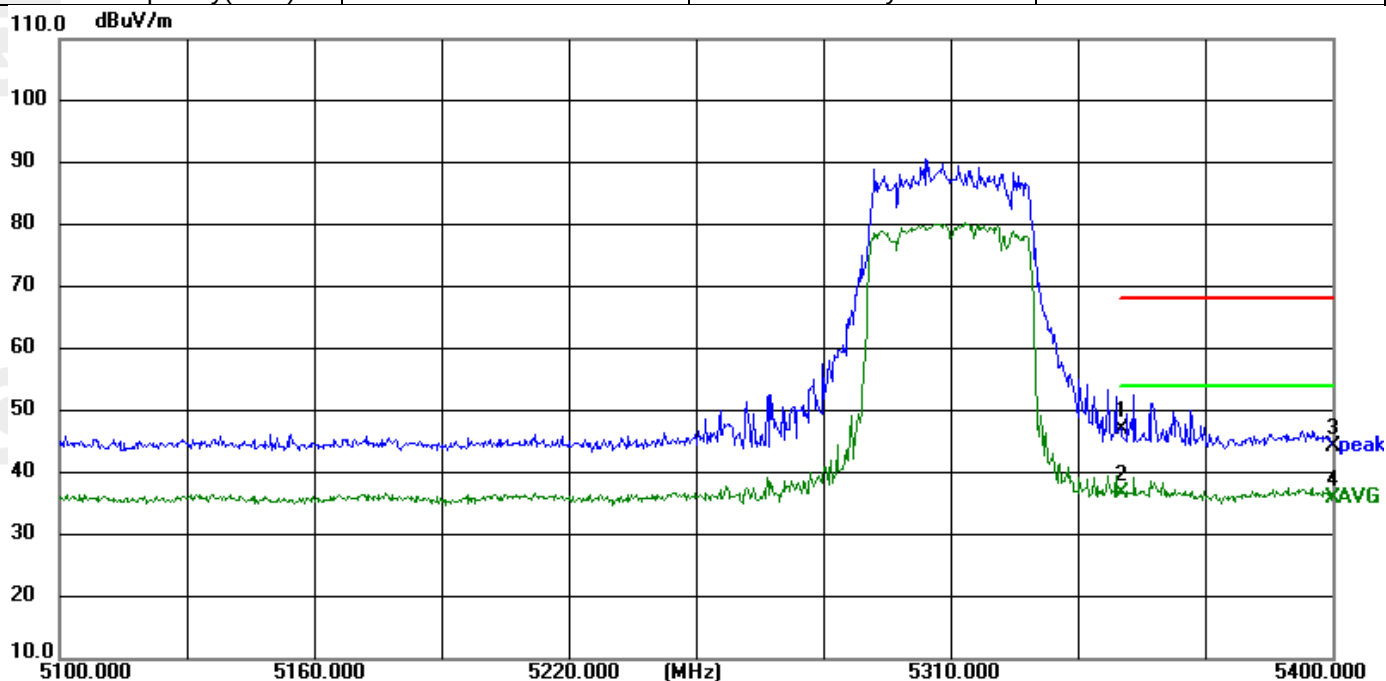
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5100.000	57.52	-12.78	44.74	68.20	-23.46	peak	
2	5100.000	48.90	-12.78	36.12	54.00	-17.88	AVG	
3	5150.000	59.88	-12.77	47.11	68.20	-21.09	peak	
4 *	5150.000	49.73	-12.77	36.96	54.00	-17.04	AVG	

Test Frequency(MHz)	5190	Polarity	Vertical
---------------------	------	----------	----------



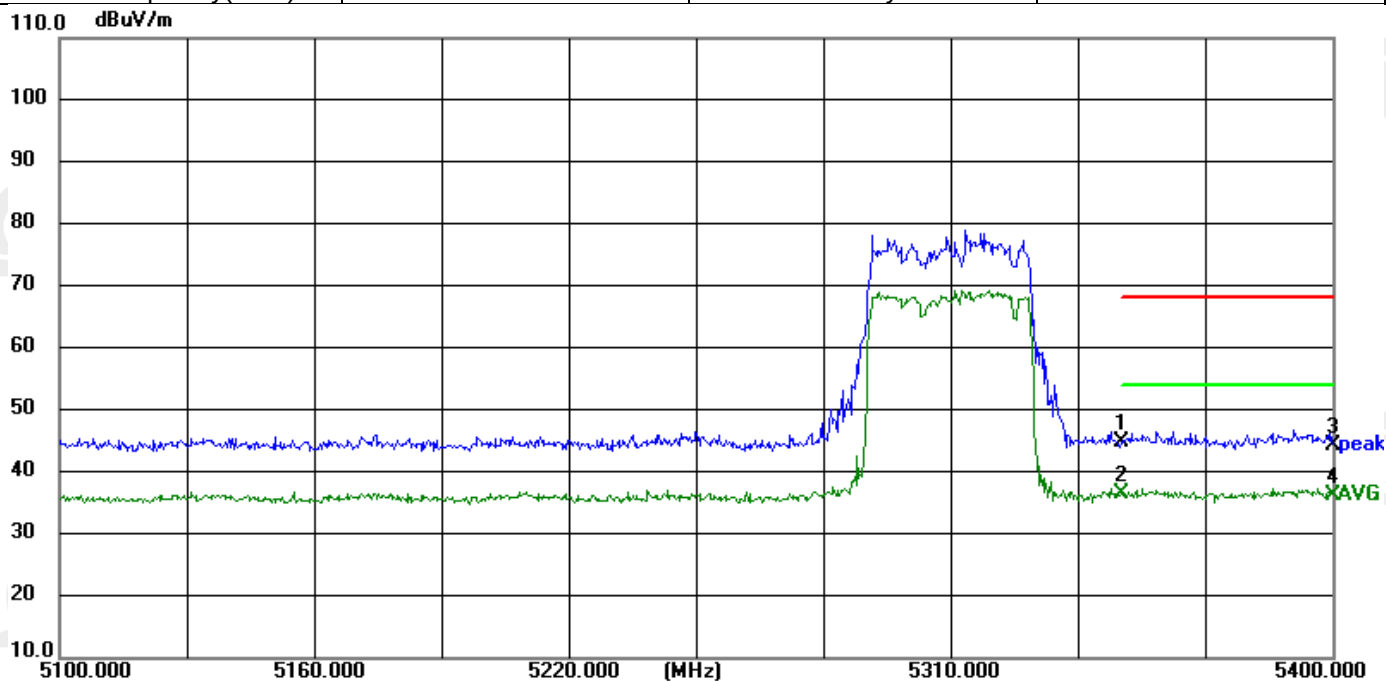
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5100.000	57.94	-12.78	45.16	68.20	-23.04	peak	
2	5100.000	48.79	-12.78	36.01	54.00	-17.99	AVG	
3	5150.000	58.02	-12.77	45.25	68.20	-22.95	peak	
4 *	5150.000	48.90	-12.77	36.13	54.00	-17.87	AVG	

Test Frequency(MHz)	5310	Polarity	Horizontal
---------------------	------	----------	------------



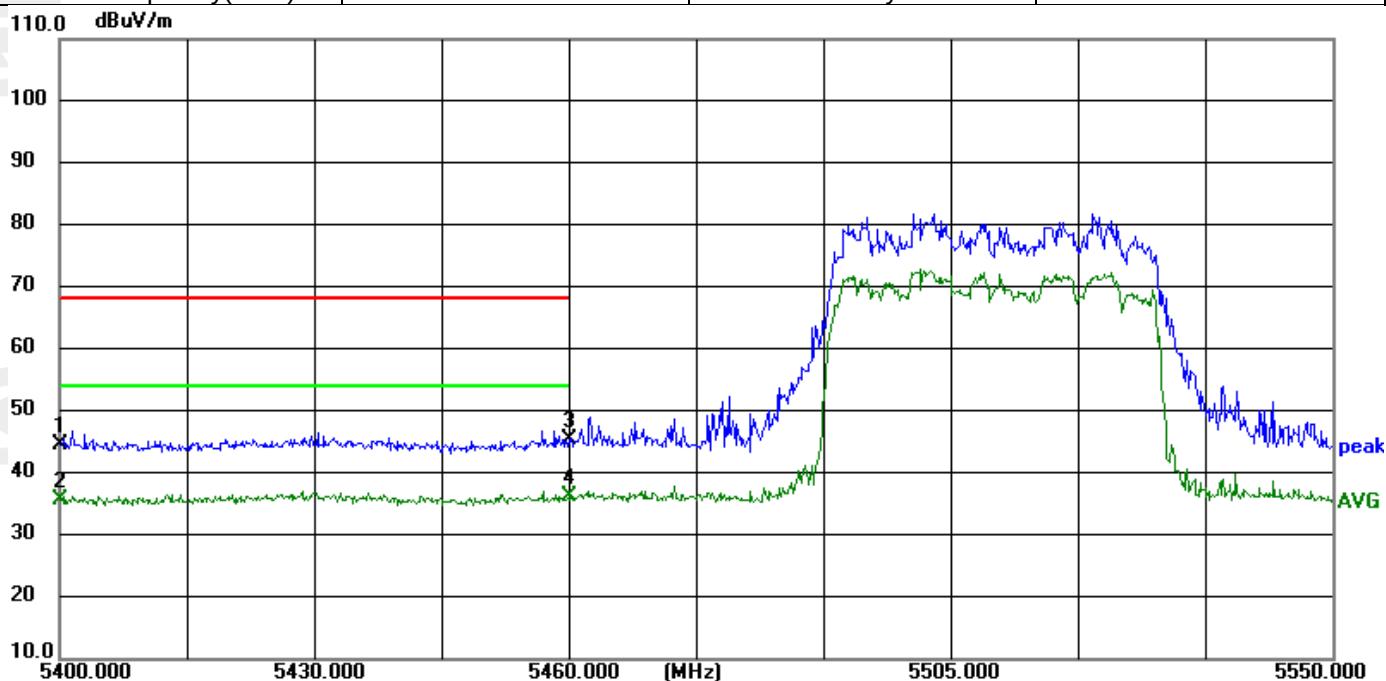
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5350.000	59.70	-12.73	46.97	68.20	-21.23	peak	
2 *	5350.000	49.54	-12.73	36.81	54.00	-17.19	AVG	
3	5400.000	57.00	-12.72	44.28	68.20	-23.92	peak	
4	5400.000	48.59	-12.72	35.87	54.00	-18.13	AVG	

Test Frequency(MHz)	5310	Polarity	Vertical
---------------------	------	----------	----------



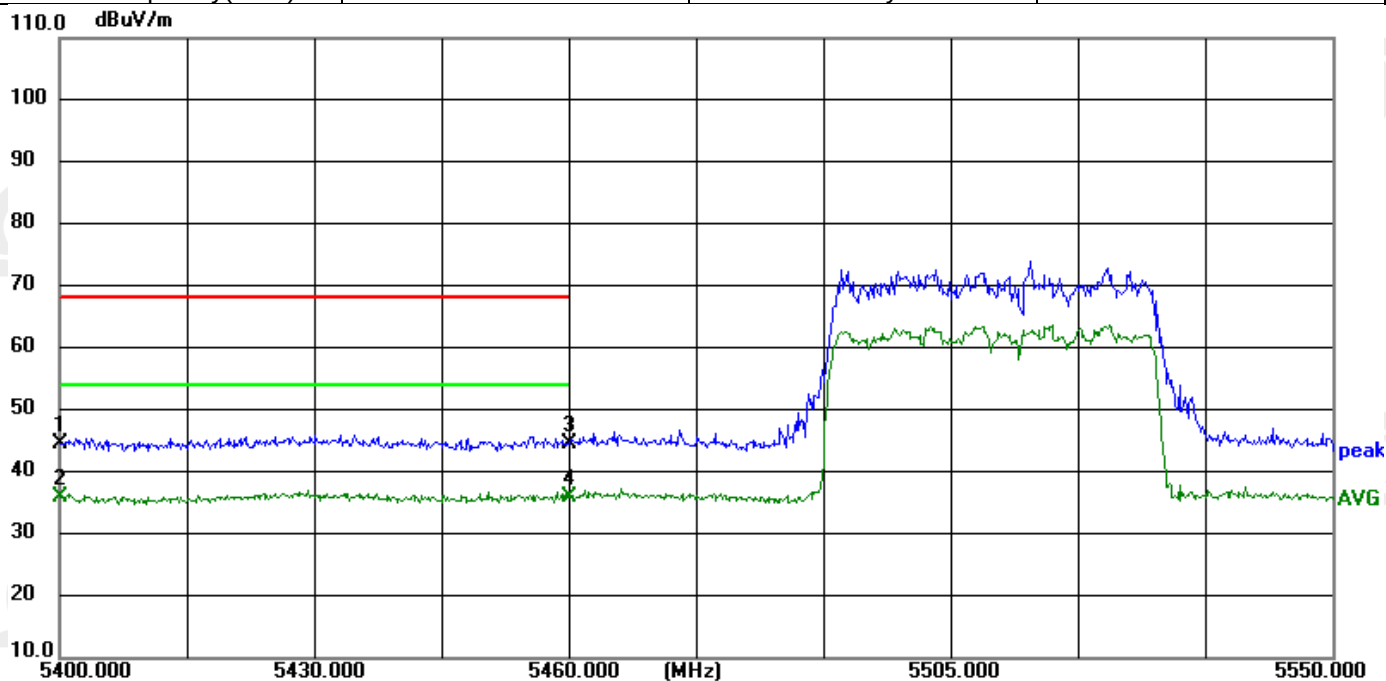
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5350.000	57.50	-12.73	44.77	68.20	-23.43	peak	
2 *	5350.000	49.29	-12.73	36.56	54.00	-17.44	AVG	
3	5400.000	57.06	-12.72	44.34	68.20	-23.86	peak	
4	5400.000	48.88	-12.72	36.16	54.00	-17.84	AVG	

Test Frequency(MHz)	5510	Polarity	Horizontal
---------------------	------	----------	------------



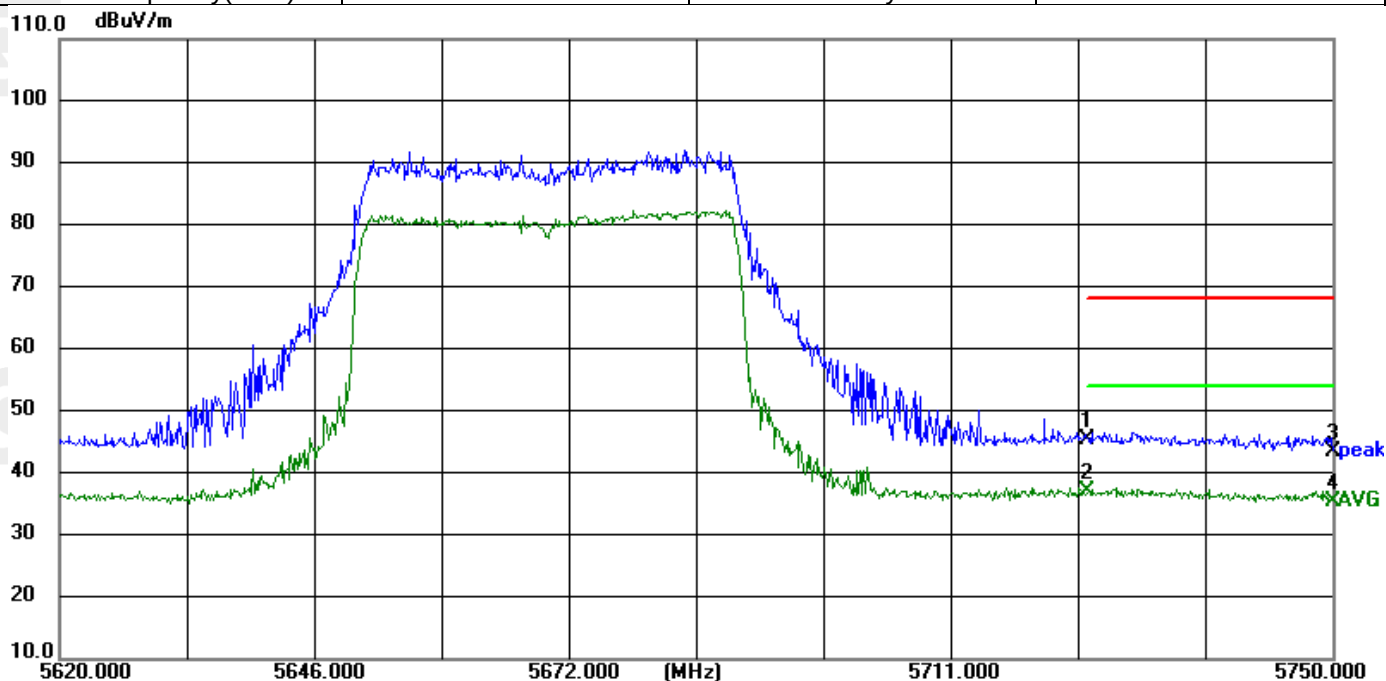
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5400.000	57.44	-12.72	44.72	68.20	-23.48	peak	
2	5400.000	48.52	-12.72	35.80	54.00	-18.20	AVG	
3	5460.000	58.13	-12.72	45.41	68.20	-22.79	peak	
4 *	5460.000	48.98	-12.72	36.26	54.00	-17.74	AVG	

Test Frequency(MHz)	5510	Polarity	Vertical
---------------------	------	----------	----------



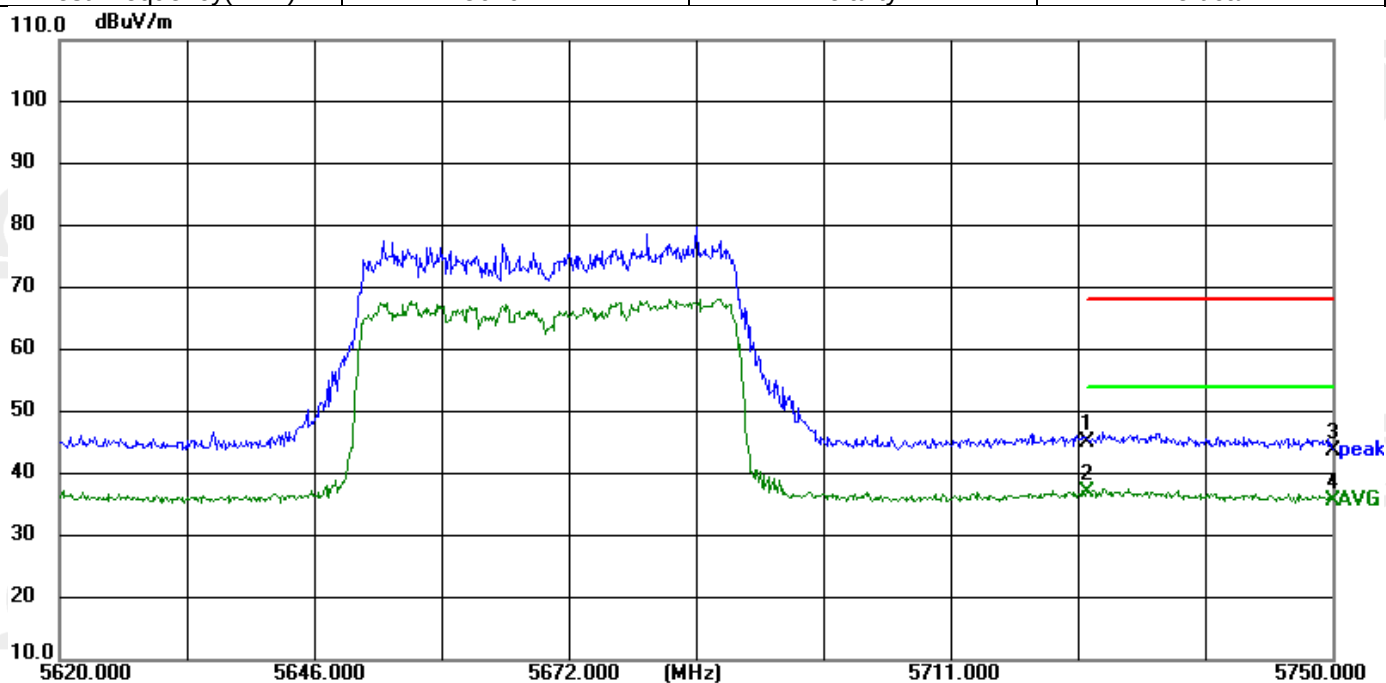
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5400.000	57.26	-12.72	44.54	68.20	-23.66	peak	
2 *	5400.000	48.65	-12.72	35.93	54.00	-18.07	AVG	
3	5460.000	57.22	-12.72	44.50	68.20	-23.70	peak	
4	5460.000	48.61	-12.72	35.89	54.00	-18.11	AVG	

Test Frequency(MHz)	5670	Polarity	Horizontal
---------------------	------	----------	------------



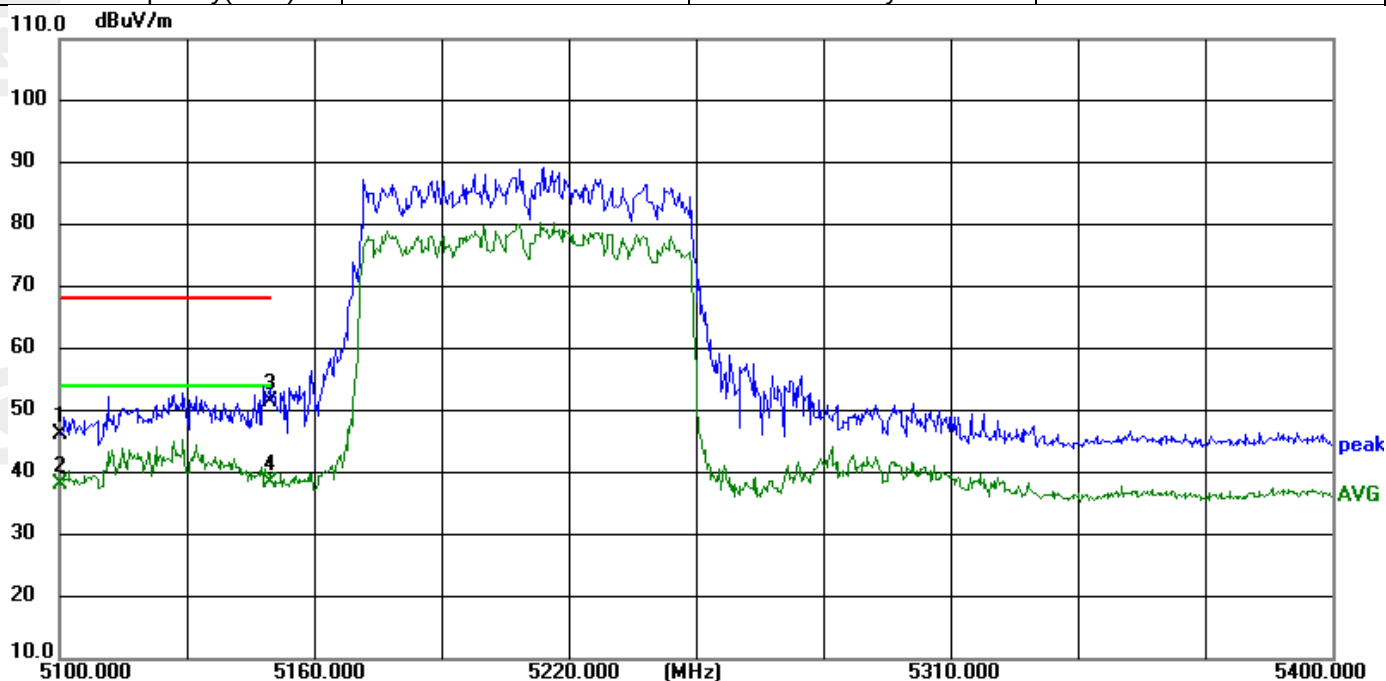
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5725.000	57.42	-11.94	45.48	68.20	-22.72	peak	
2 *	5725.000	49.04	-11.94	37.10	54.00	-16.90	AVG	
3	5750.000	55.42	-11.86	43.56	68.20	-24.64	peak	
4	5750.000	47.35	-11.86	35.49	54.00	-18.51	AVG	

Test Frequency(MHz)	5670	Polarity	Vertical
---------------------	------	----------	----------



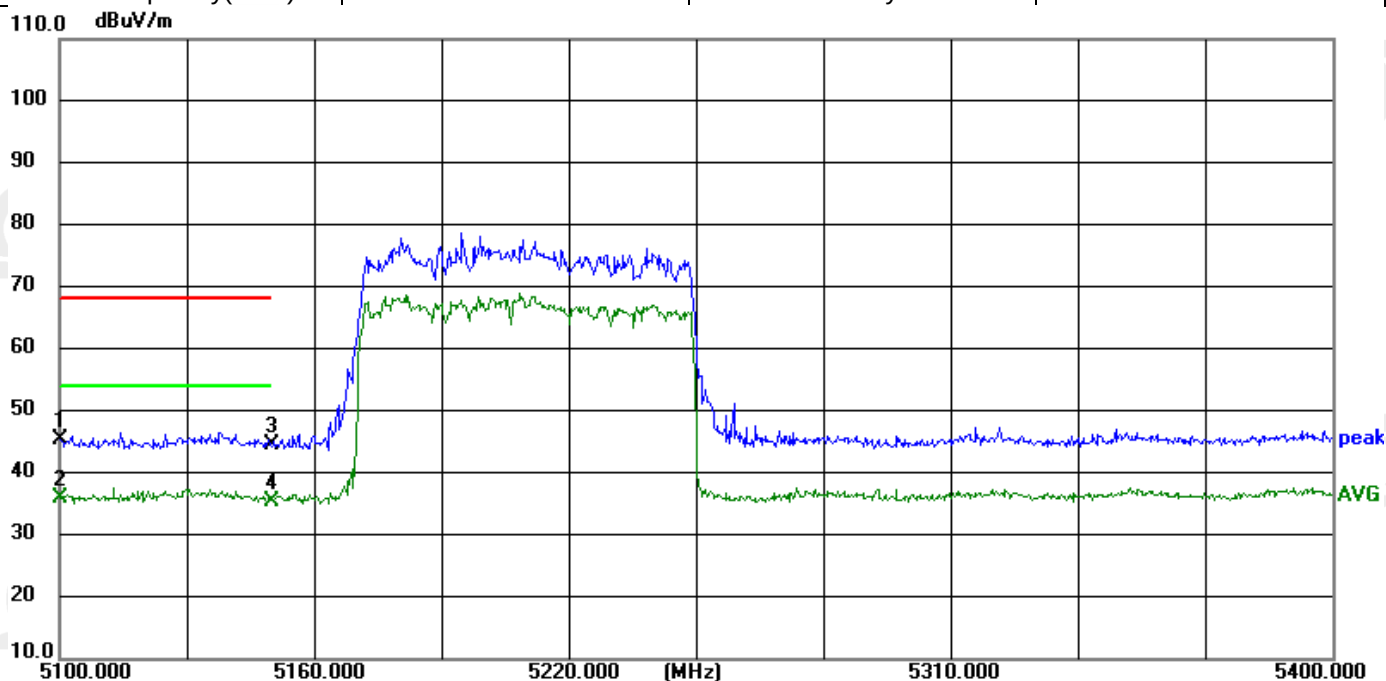
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5725.000	57.11	-11.94	45.17	68.20	-23.03	peak	
2 *	5725.000	49.01	-11.94	37.07	54.00	-16.93	AVG	
3	5750.000	55.68	-11.86	43.82	68.20	-24.38	peak	
4	5750.000	47.62	-11.86	35.76	54.00	-18.24	AVG	

Test Frequency(MHz)	5210	Polarity	Horizontal
---------------------	------	----------	------------



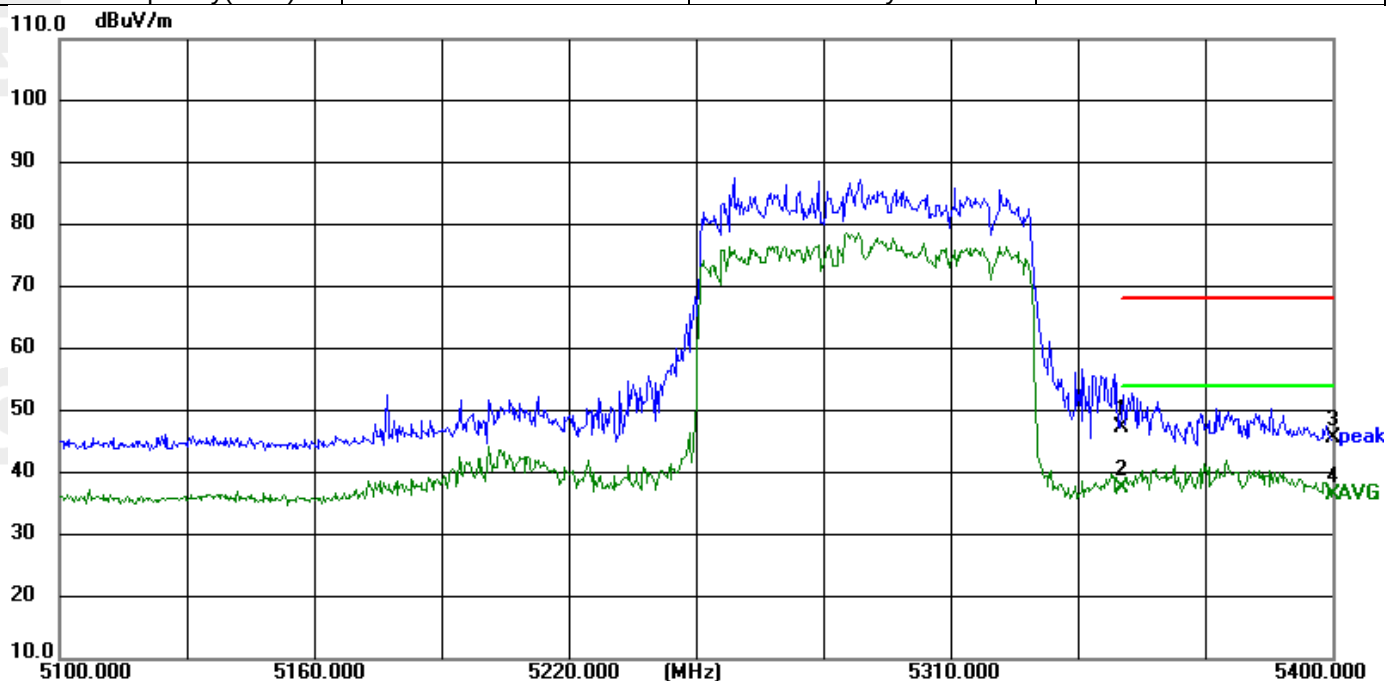
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5100.000	59.09	-12.78	46.31	68.20	-21.89	peak	
2	5100.000	51.02	-12.78	38.24	54.00	-15.76	AVG	
3	5150.000	64.26	-12.77	51.49	68.20	-16.71	peak	
4 *	5150.000	51.21	-12.77	38.44	54.00	-15.56	AVG	

Test Frequency(MHz)	5210	Polarity	Vertical
---------------------	------	----------	----------



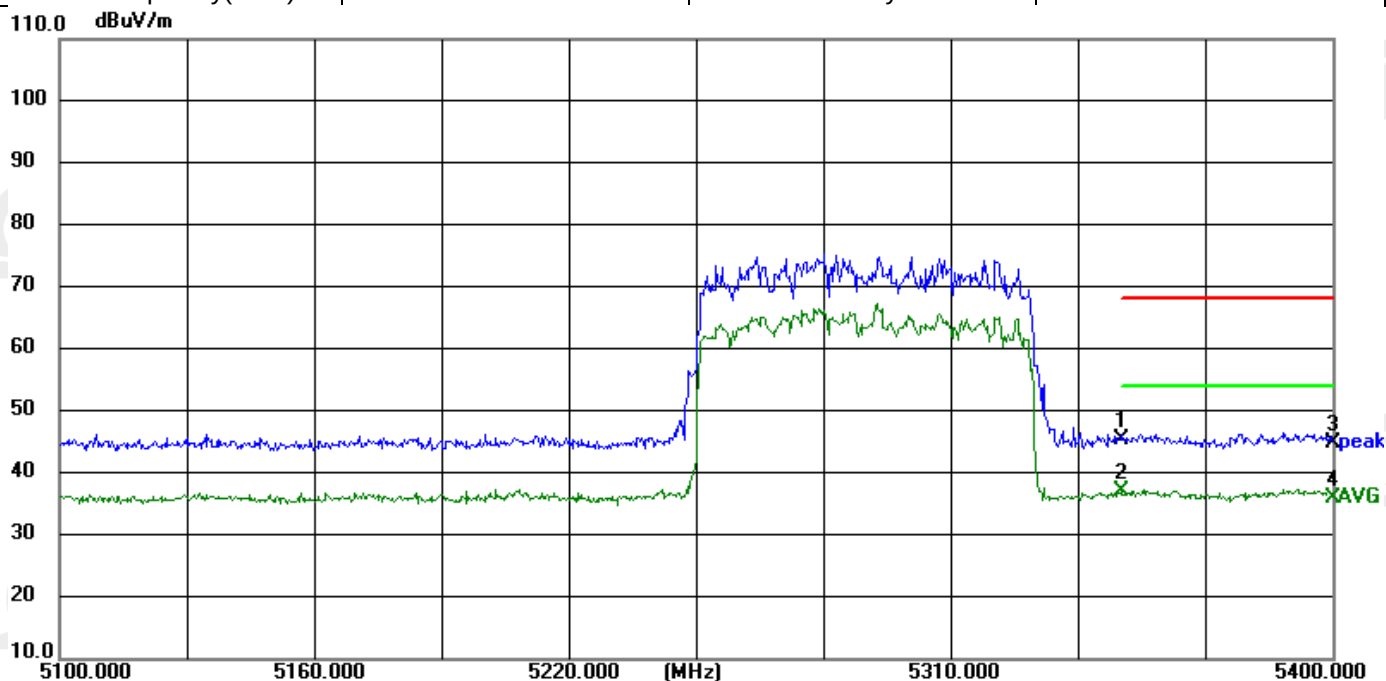
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5100.000	58.22	-12.78	45.44	68.20	-22.76	peak	
2 *	5100.000	48.81	-12.78	36.03	54.00	-17.97	AVG	
3	5150.000	57.24	-12.77	44.47	68.20	-23.73	peak	
4	5150.000	48.21	-12.77	35.44	54.00	-18.56	AVG	

Test Frequency(MHz)	5290	Polarity	Horizontal
---------------------	------	----------	------------



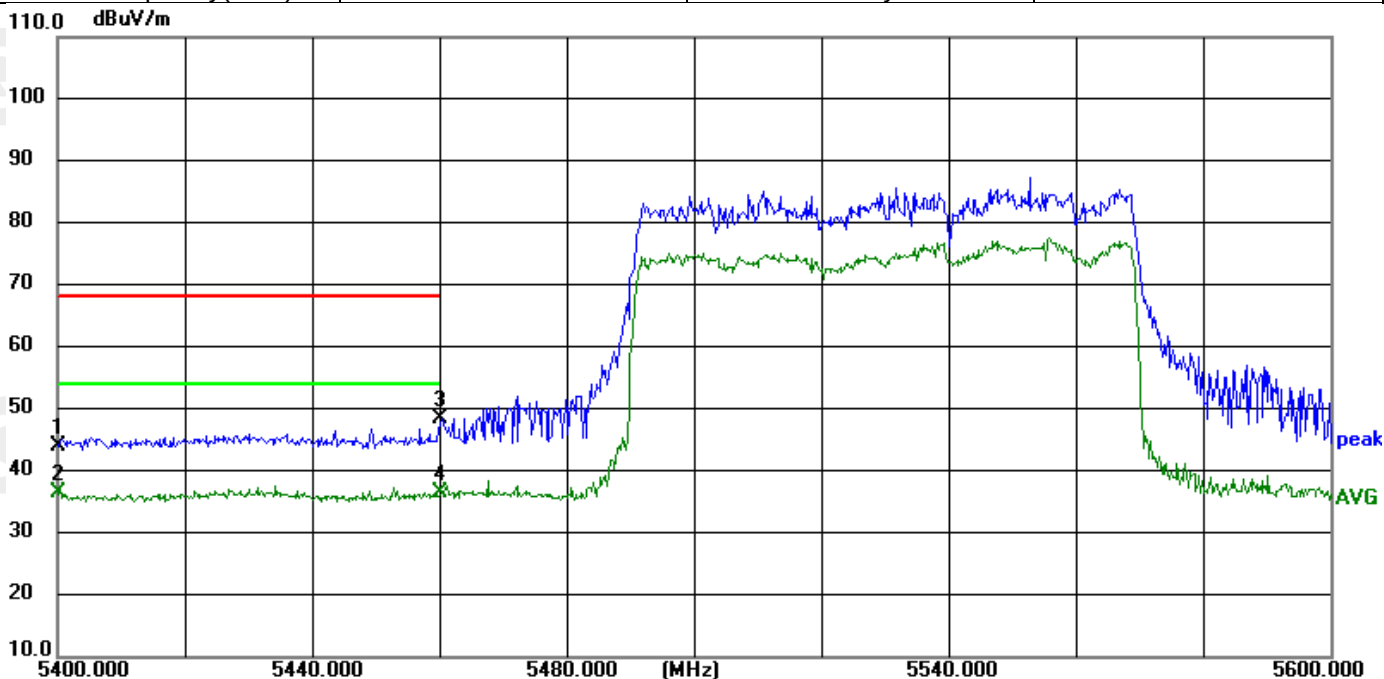
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5350.000	60.21	-12.73	47.48	68.20	-20.72	peak	
2 *	5350.000	50.38	-12.73	37.65	54.00	-16.35	AVG	
3	5400.000	58.39	-12.72	45.67	68.20	-22.53	peak	
4	5400.000	49.36	-12.72	36.64	54.00	-17.36	AVG	

Test Frequency(MHz)	5290	Polarity	Vertical
---------------------	------	----------	----------



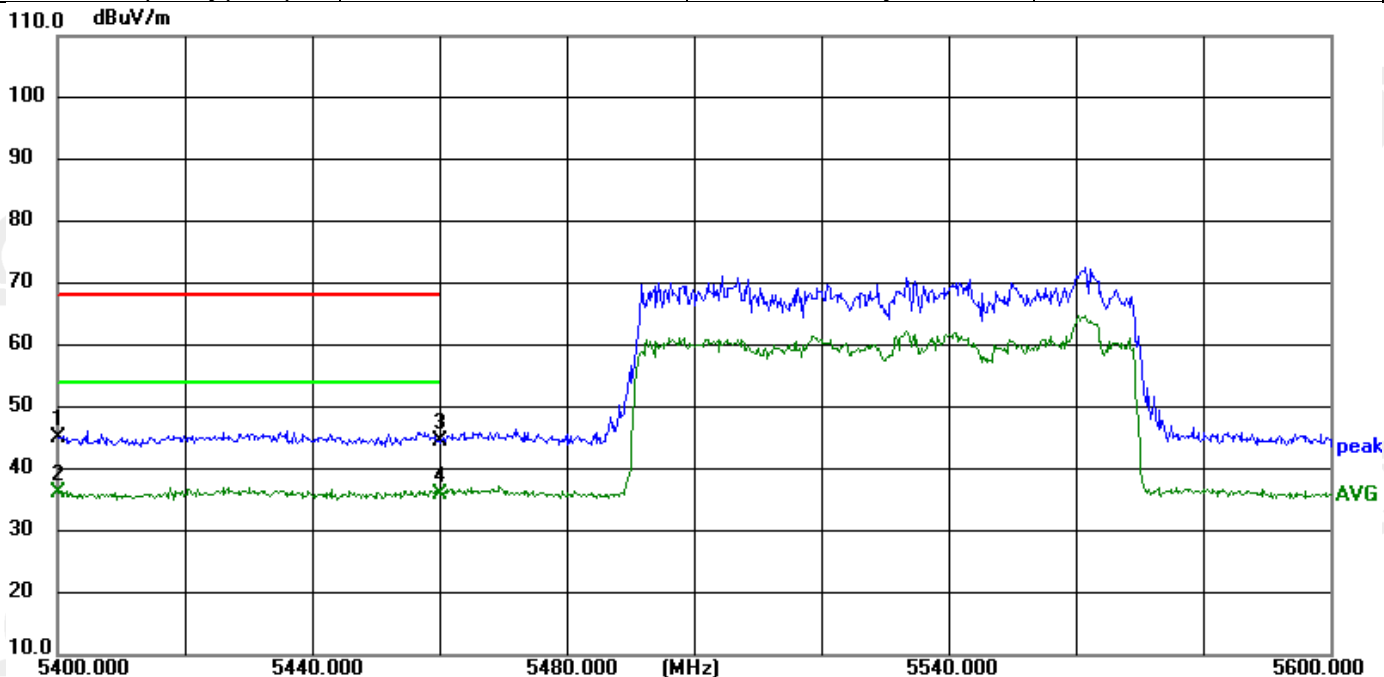
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5350.000	58.18	-12.73	45.45	68.20	-22.75	peak	
2 *	5350.000	49.90	-12.73	37.17	54.00	-16.83	AVG	
3	5400.000	57.68	-12.72	44.96	68.20	-23.24	peak	
4	5400.000	48.56	-12.72	35.84	54.00	-18.16	AVG	

Test Frequency(MHz)	5530	Polarity	Horizontal
---------------------	------	----------	------------



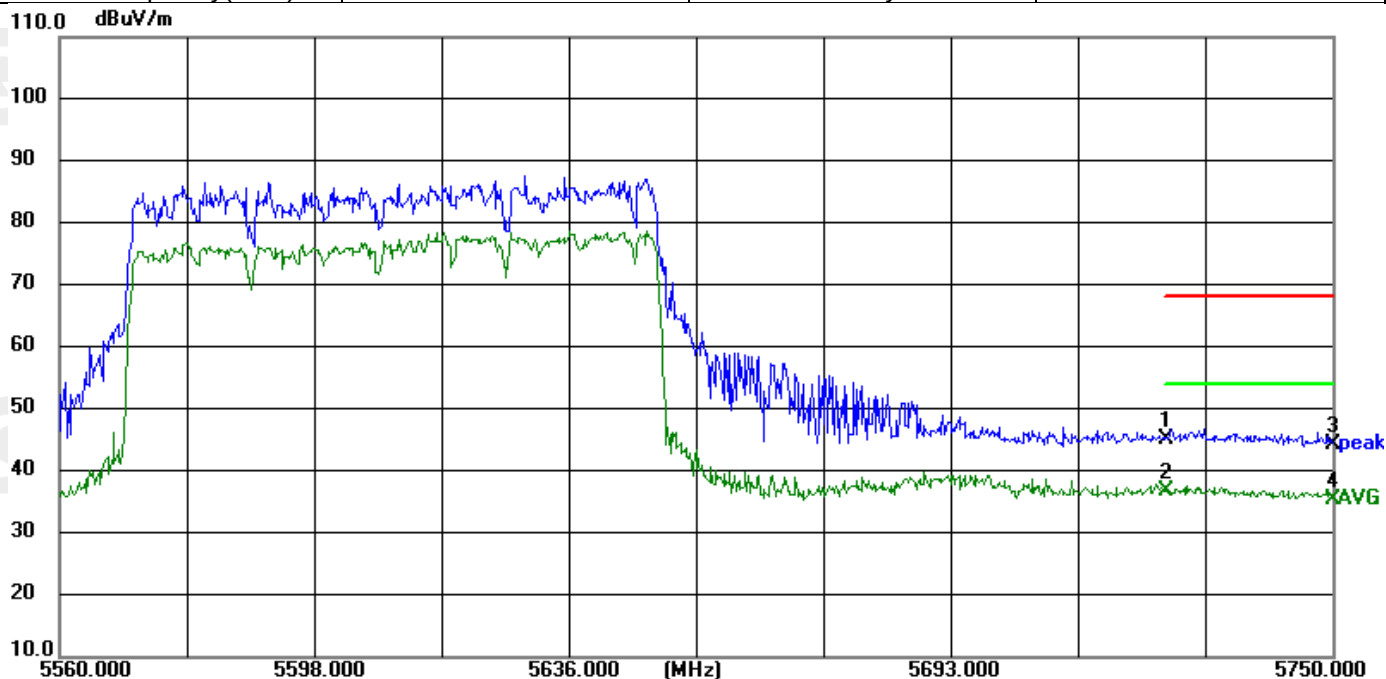
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5400.000	56.79	-12.72	44.07	68.20	-24.13	peak	
2	5400.000	49.30	-12.72	36.58	54.00	-17.42	AVG	
3	5460.000	61.27	-12.72	48.55	68.20	-19.65	peak	
4 *	5460.000	49.38	-12.72	36.66	54.00	-17.34	AVG	

Test Frequency(MHz)	5530	Polarity	Vertical
---------------------	------	----------	----------



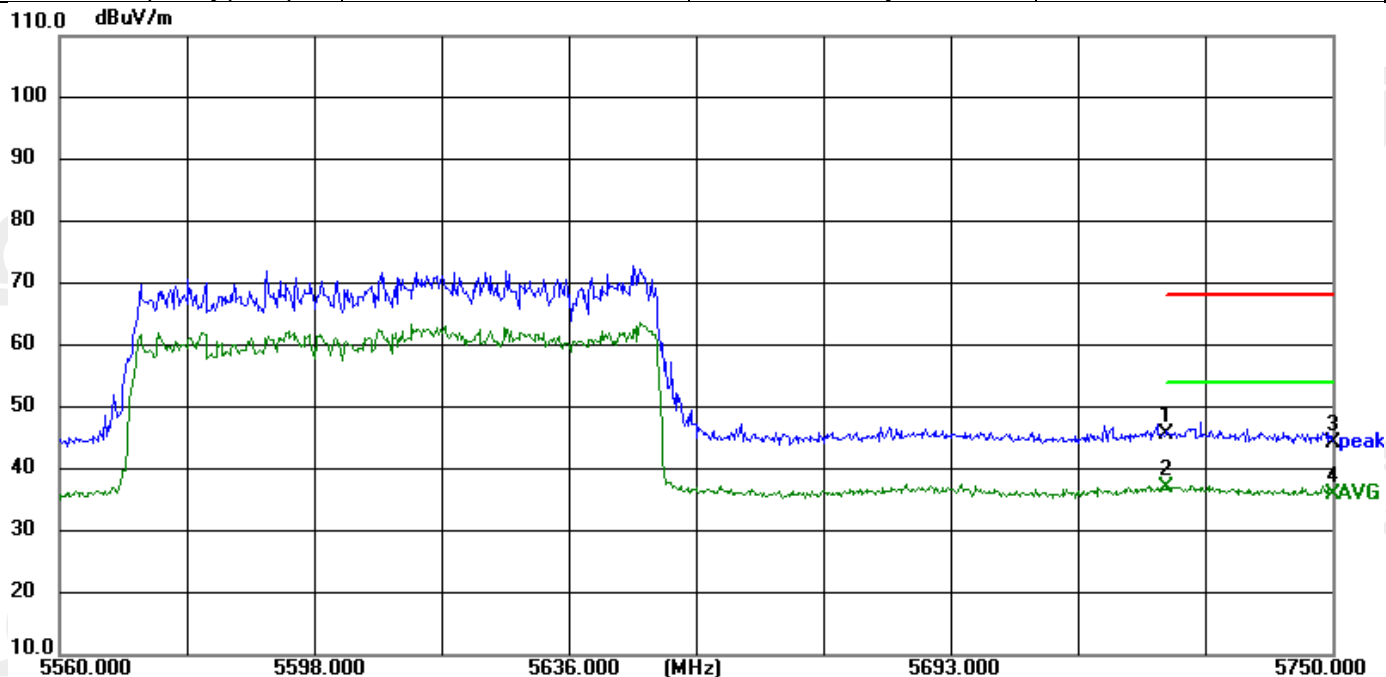
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5400.000	57.77	-12.72	45.05	68.20	-23.15	peak	
2 *	5400.000	49.01	-12.72	36.29	54.00	-17.71	AVG	
3	5460.000	57.28	-12.72	44.56	68.20	-23.64	peak	
4	5460.000	48.82	-12.72	36.10	54.00	-17.90	AVG	

Test Frequency(MHz)	5610	Polarity	Horizontal
---------------------	------	----------	------------

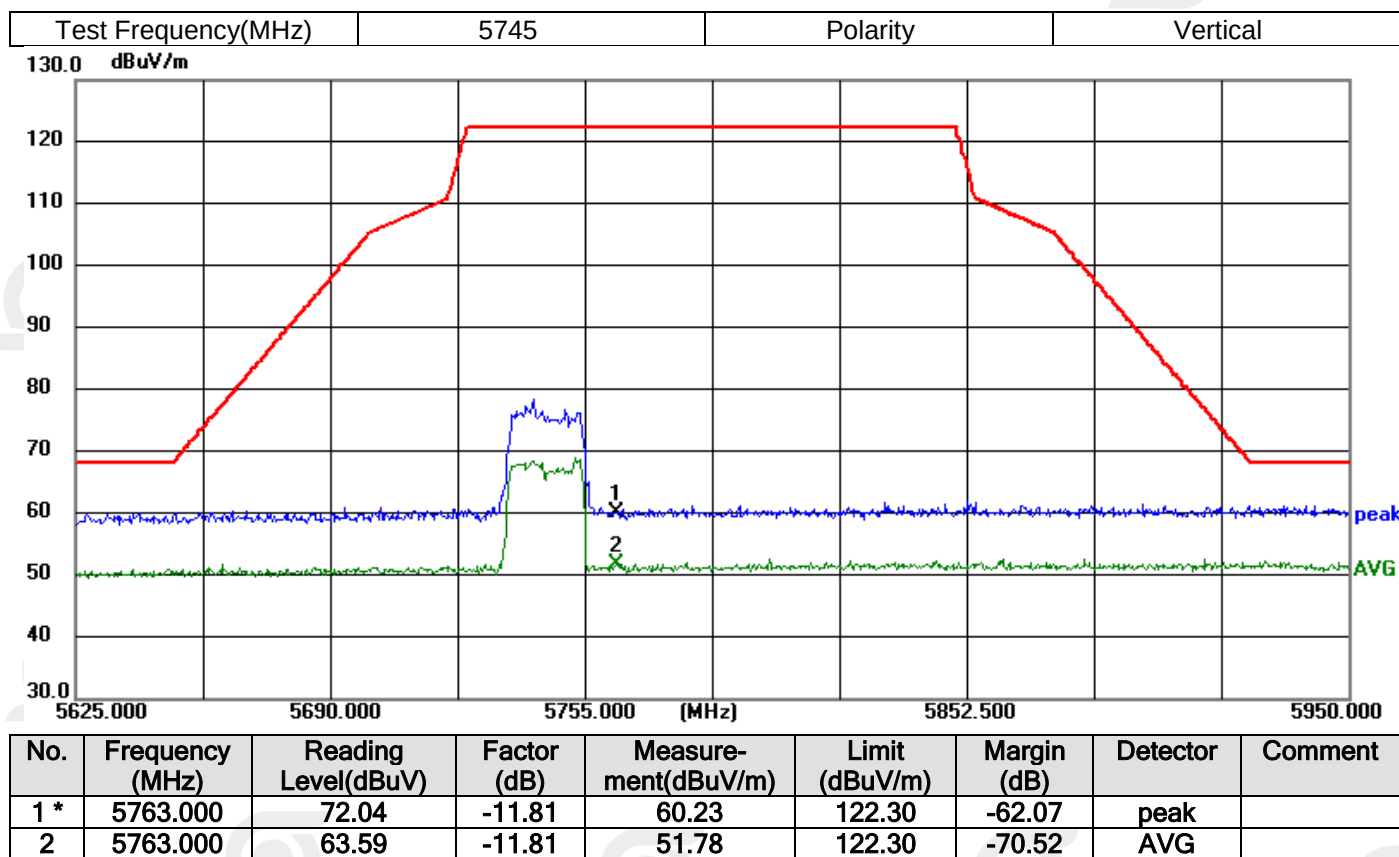
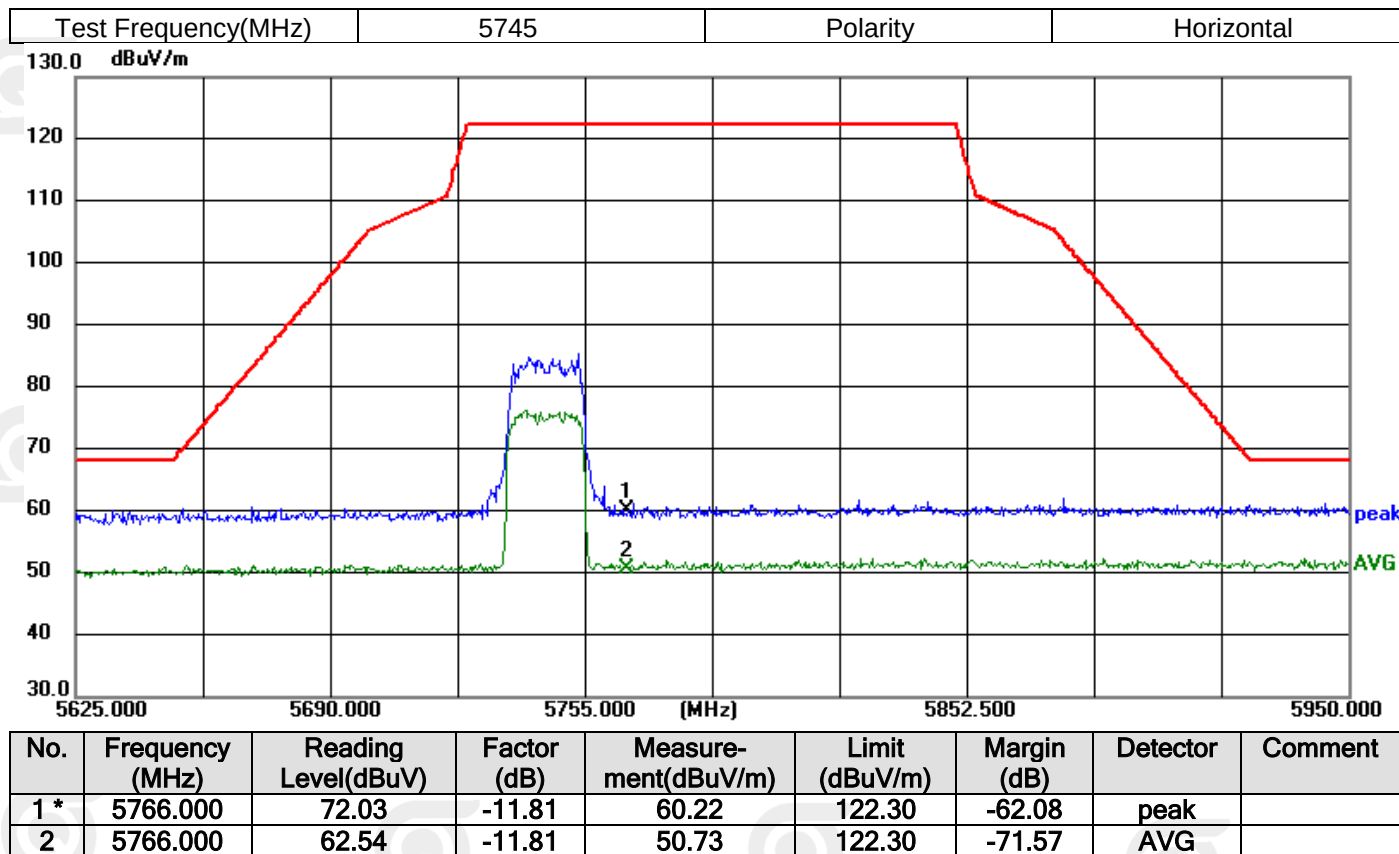


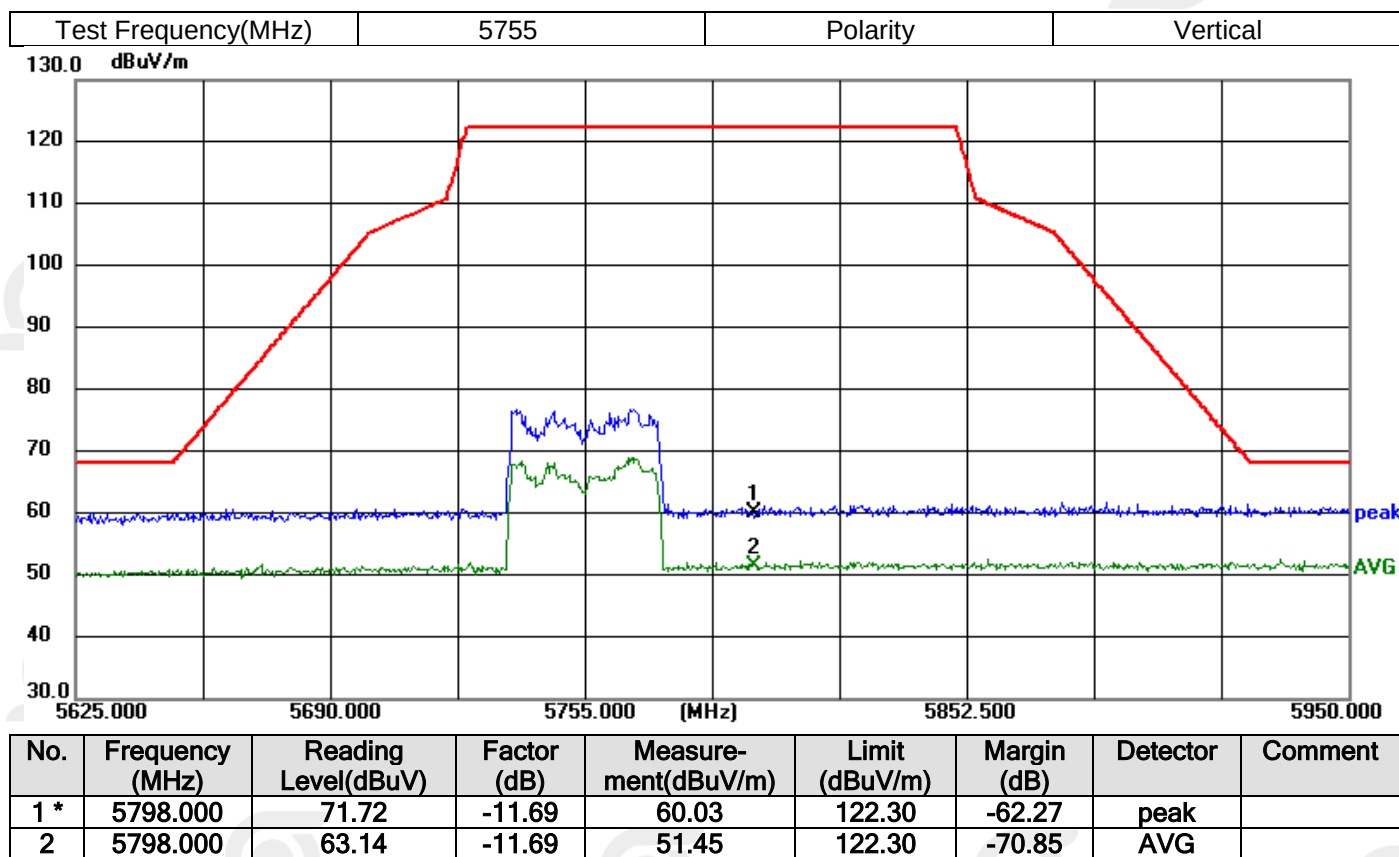
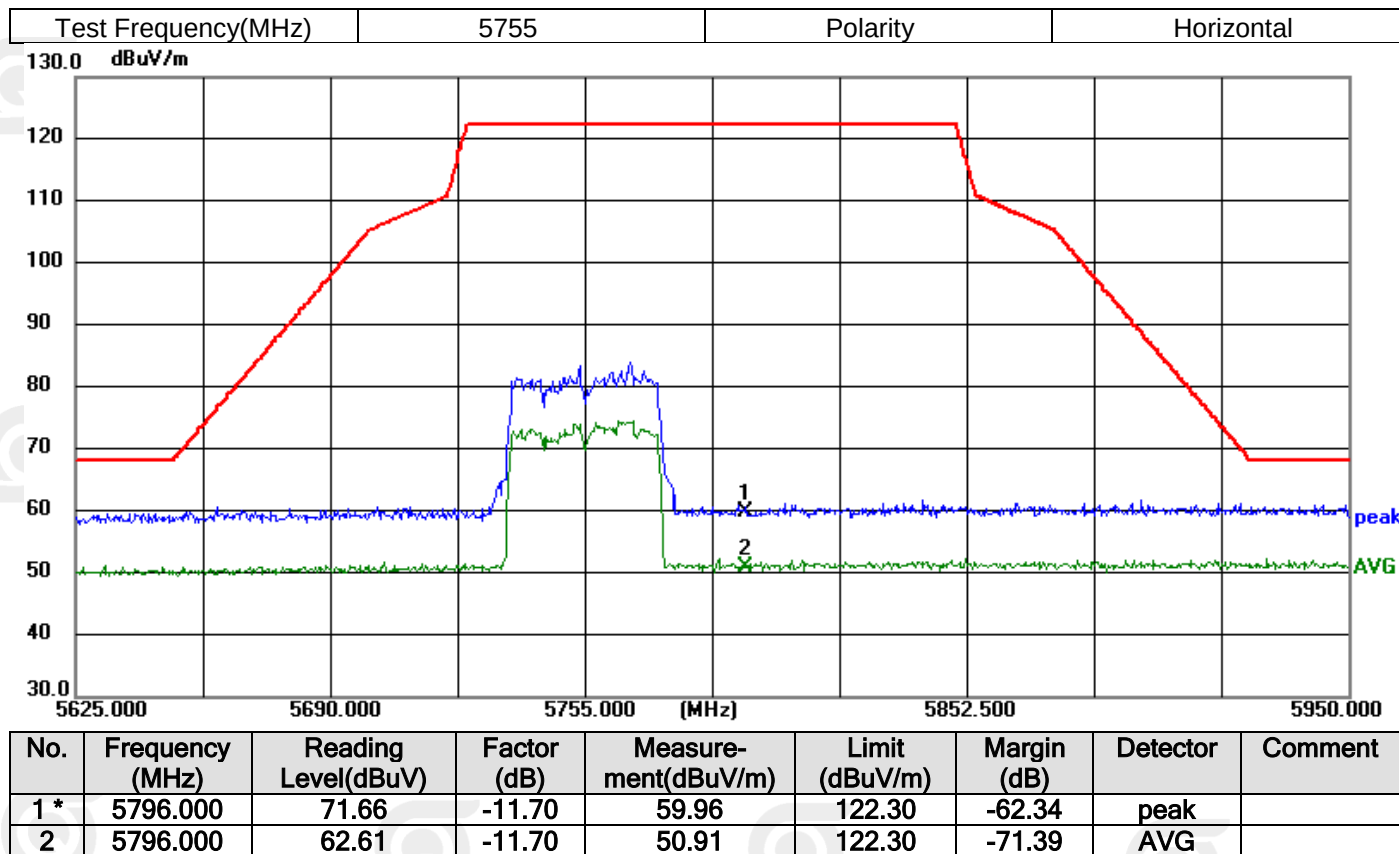
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5725.000	57.00	-11.94	45.06	68.20	-23.14	peak	
2 *	5725.000	48.61	-11.94	36.67	54.00	-17.33	AVG	
3	5750.000	56.08	-11.86	44.22	68.20	-23.98	peak	
4	5750.000	47.17	-11.86	35.31	54.00	-18.69	AVG	

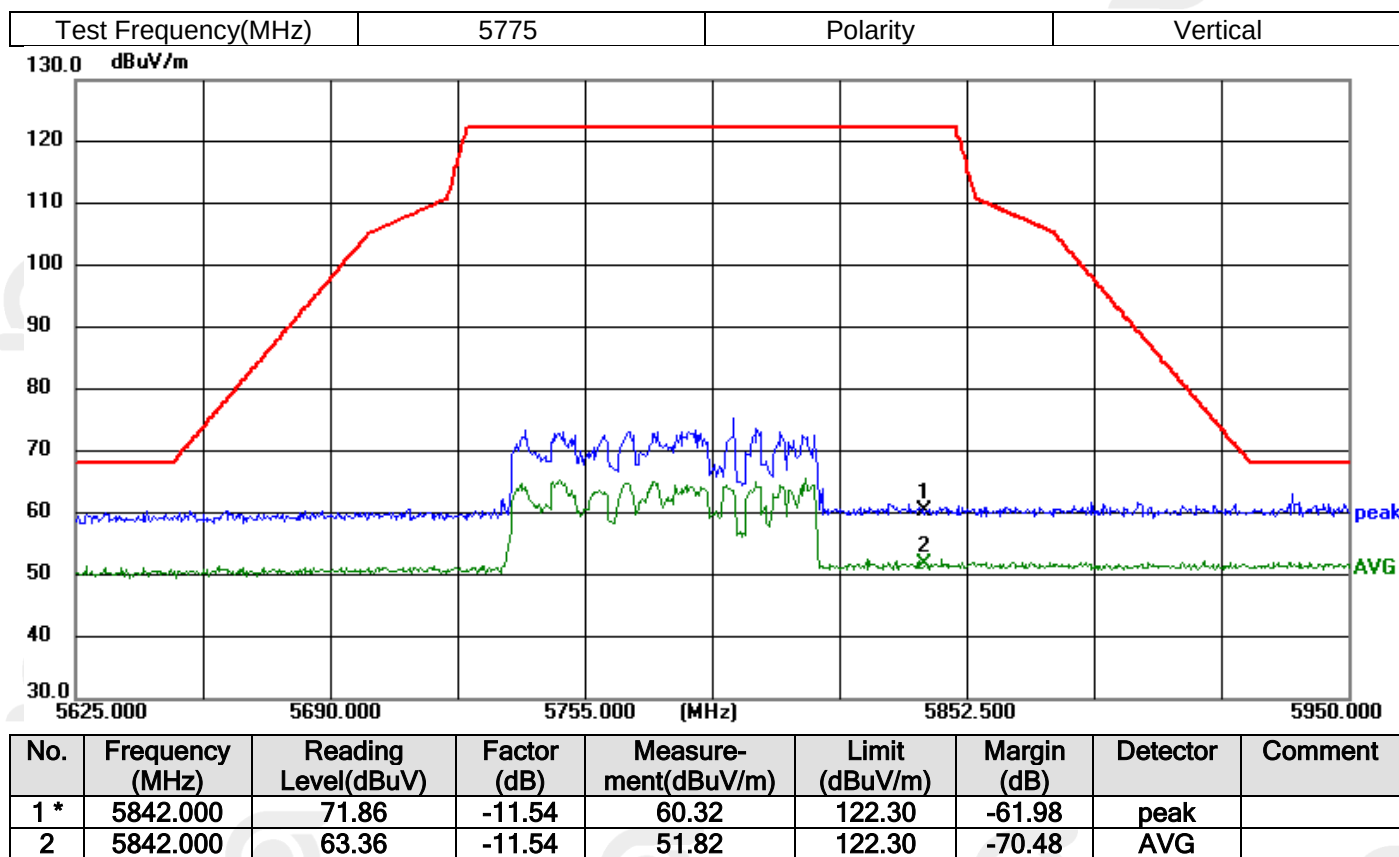
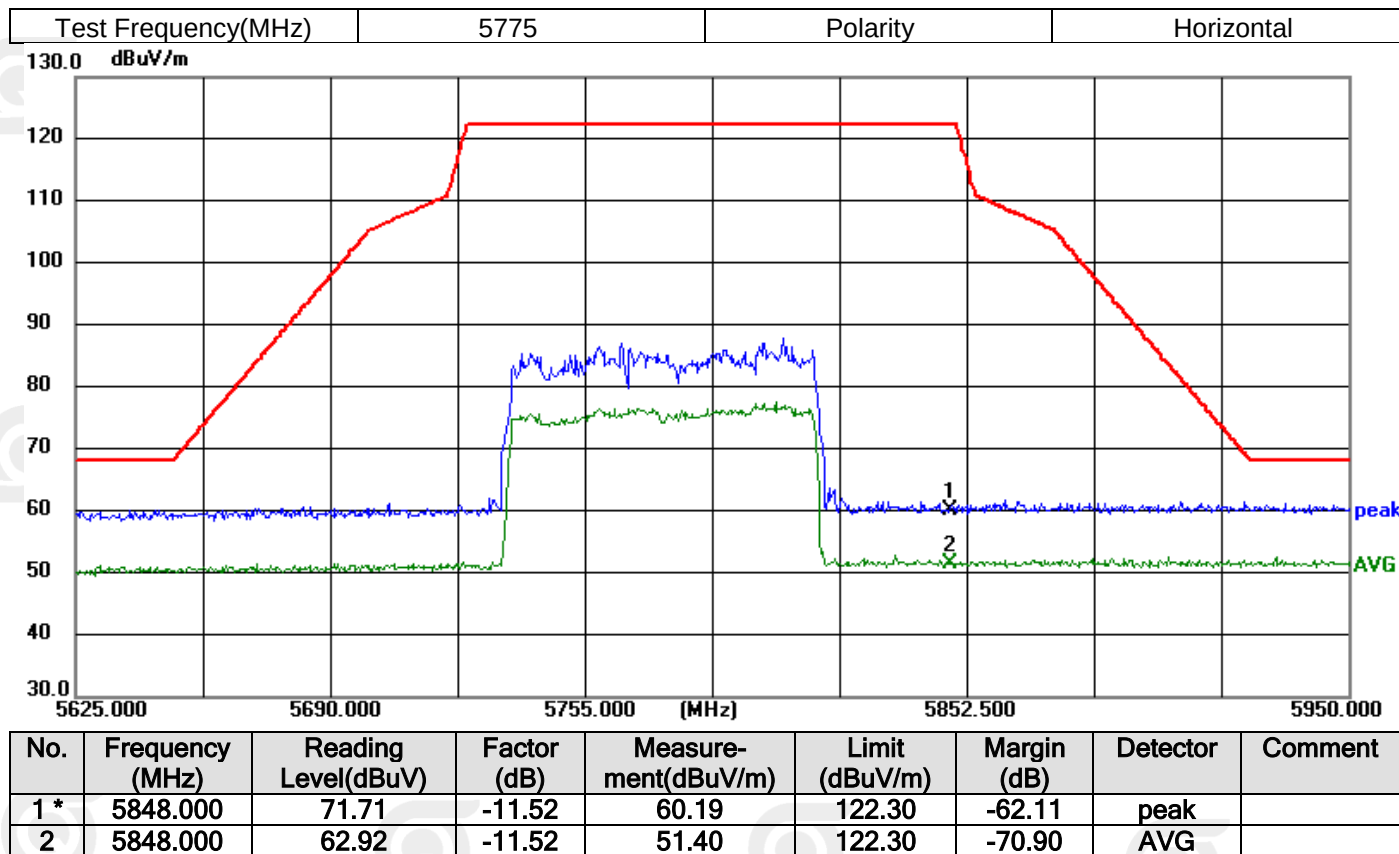
Test Frequency(MHz)	5610	Polarity	Vertical
---------------------	------	----------	----------

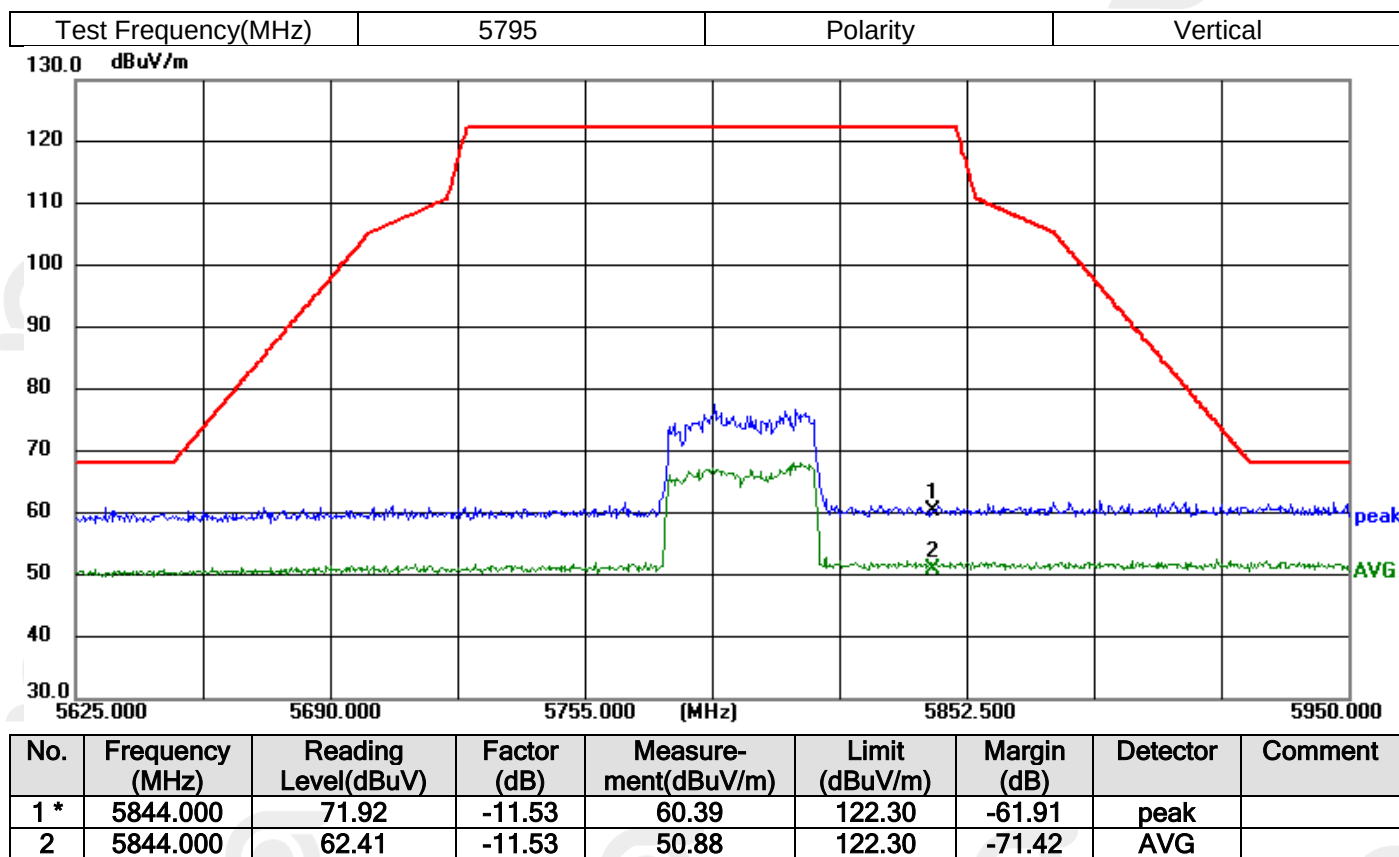
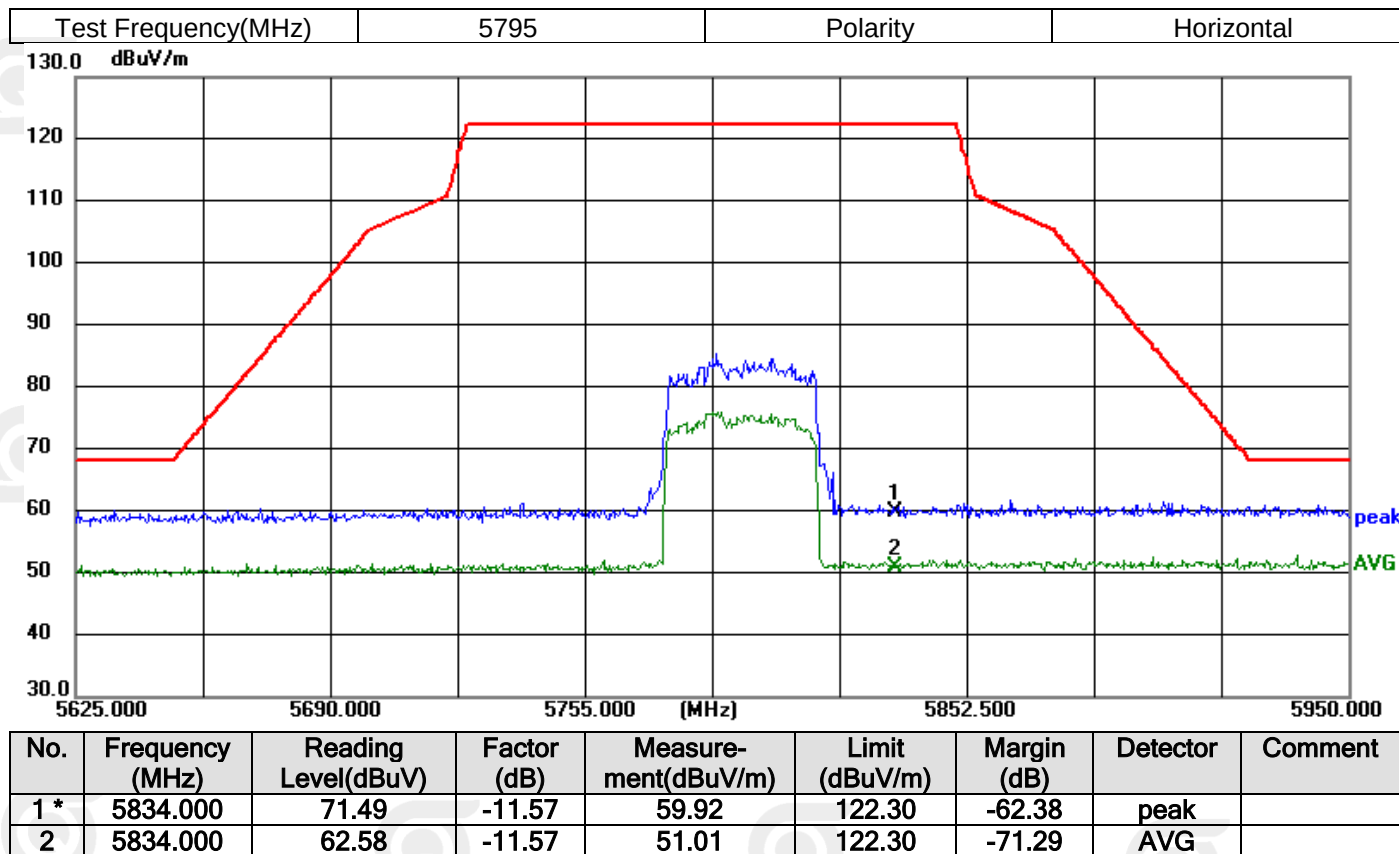


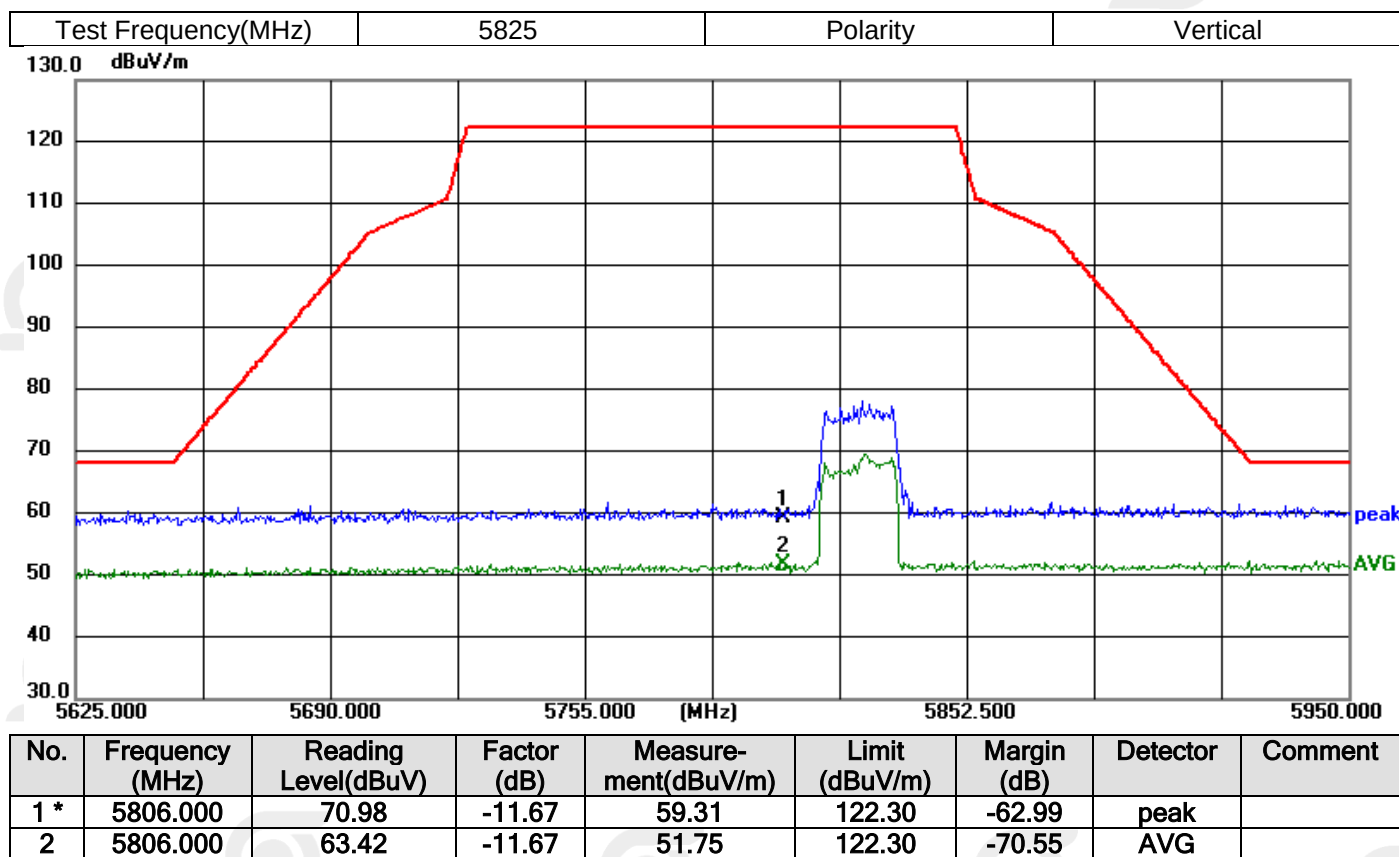
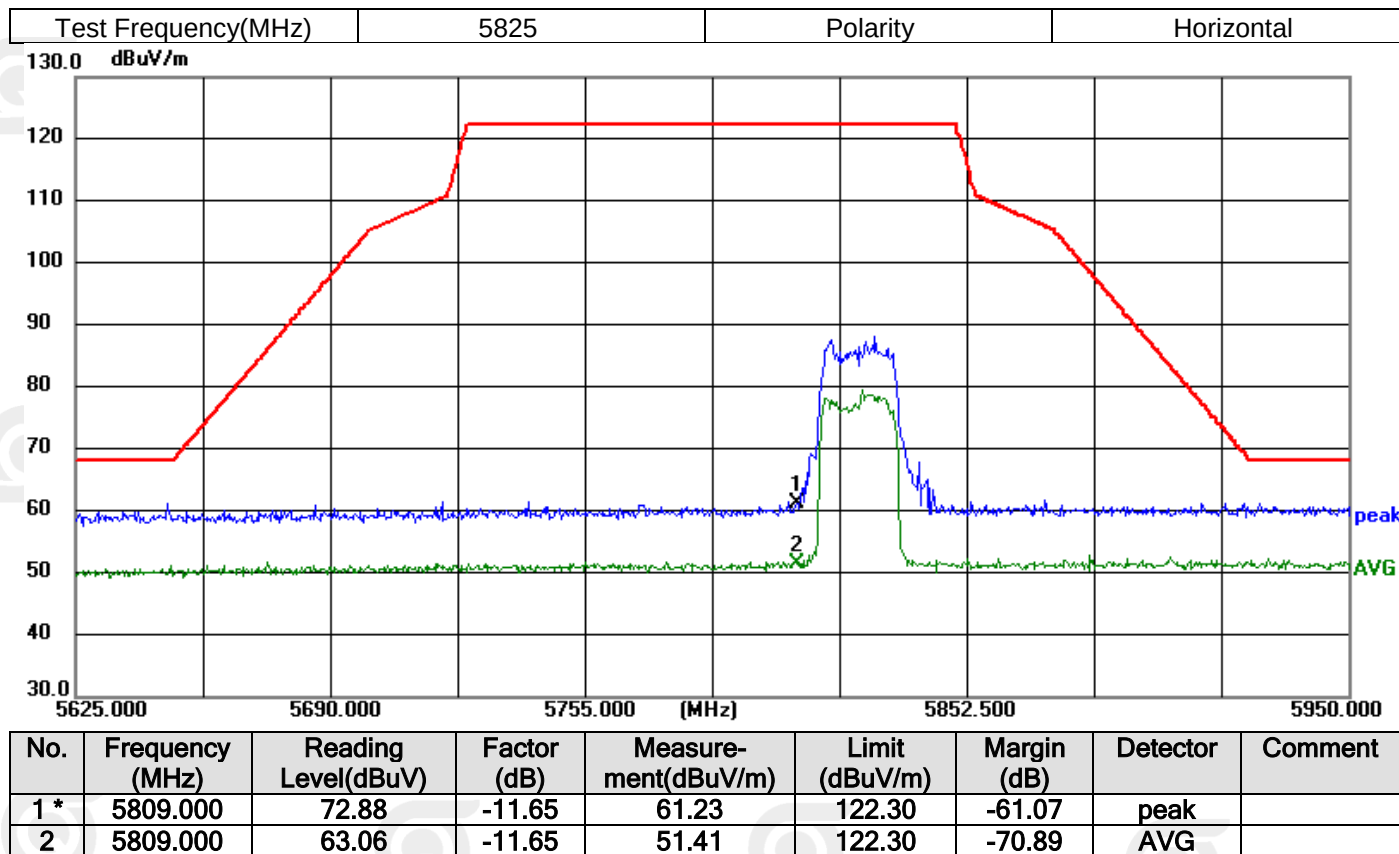
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5725.000	57.77	-11.94	45.83	68.20	-22.37	peak	
2 *	5725.000	49.02	-11.94	37.08	54.00	-16.92	AVG	
3	5750.000	56.21	-11.86	44.35	68.20	-23.85	peak	
4	5750.000	47.70	-11.86	35.84	54.00	-18.16	AVG	











Spurious Emissions (worst condition, 802.11ax):
5180MHz

Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
10360.00	53.91	-1.95	51.96	68.20	-16.24	peak	Horizontal
10360.00	42.11	-1.95	40.16	54.00	-13.84	AVG	Horizontal
15540.00	51.82	-0.08	51.74	68.20	-16.46	peak	Horizontal
15540.00	42.80	-0.08	42.72	54.00	-11.28	AVG	Horizontal
10360.00	54.14	-1.95	52.19	68.20	-16.01	peak	Vertical
10360.00	44.81	-1.95	42.86	54.00	-11.14	AVG	Vertical
15540.00	54.11	-0.08	54.03	68.20	-14.17	peak	Vertical
15540.00	43.71	-0.08	43.63	54.00	-10.37	AVG	Vertical

5320MHz

Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
10640.00	52.03	-1.56	50.47	68.20	-17.73	peak	Horizontal
10640.00	44.72	-1.56	43.16	54.00	-10.84	AVG	Horizontal
15960.00	51.62	0.34	51.96	68.20	-16.24	peak	Horizontal
15960.00	43.98	0.34	44.32	54.00	-9.68	AVG	Horizontal
10640.00	53.78	-1.56	52.22	68.20	-15.98	peak	Vertical
10640.00	43.91	-1.56	42.35	54.00	-11.65	AVG	Vertical
15960.00	52.74	0.34	53.08	68.20	-15.12	peak	Vertical
15960.00	45.71	0.34	46.05	54.00	-7.95	AVG	Vertical

5500MHz

Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
11000.00	52.62	-1.62	51.00	68.20	-17.20	peak	Horizontal
11000.00	44.66	-1.62	43.04	54.00	-10.96	AVG	Horizontal
16500.00	51.72	1.36	53.08	68.20	-15.12	peak	Horizontal
16500.00	43.31	1.36	44.67	54.00	-9.33	AVG	Horizontal
11000.00	54.08	-1.62	52.46	68.20	-15.74	peak	Vertical
11000.00	45.21	-1.62	43.59	54.00	-10.41	AVG	Vertical
16500.00	55.05	1.36	56.41	68.20	-11.79	peak	Vertical
16500.00	43.37	1.36	44.73	54.00	-9.27	AVG	Vertical

Remark: margin=measurement-limit

5700MHz

Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
11400.00	54.78	-1.64	53.14	68.20	-15.06	peak	Horizontal
11400.00	42.04	-1.64	40.40	54.00	-13.60	AVG	Horizontal
17100.00	52.05	2.45	54.50	68.20	-13.70	peak	Horizontal
17100.00	45.65	2.45	48.10	54.00	-5.90	AVG	Horizontal
11400.00	52.54	-1.64	50.90	68.20	-17.30	peak	Vertical
11400.00	45.74	-1.64	44.10	54.00	-9.90	AVG	Vertical
17100.00	51.47	2.45	53.92	68.20	-14.28	peak	Vertical
17100.00	42.26	2.45	44.71	54.00	-9.29	AVG	Vertical

5745MHz

Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
11490.00	52.07	-1.66	50.41	68.20	-17.79	peak	Horizontal
11490.00	44.17	-1.66	42.51	54.00	-11.49	AVG	Horizontal
17235.00	55.51	2.62	58.13	68.20	-10.07	peak	Horizontal
17235.00	43.19	2.62	45.81	54.00	-8.19	AVG	Horizontal
11490.00	52.39	-1.66	50.73	68.20	-17.47	peak	Vertical
11490.00	45.59	-1.66	43.93	54.00	-10.07	AVG	Vertical
17235.00	53.74	2.62	56.36	68.20	-11.84	peak	Vertical
17235.00	45.95	2.62	48.57	54.00	-5.43	AVG	Vertical

5825MHz

Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
11650.00	53.15	-1.63	51.52	68.20	-16.68	peak	Horizontal
11650.00	45.01	-1.63	43.38	54.00	-10.62	AVG	Horizontal
17475.00	52.26	2.92	55.18	68.20	-13.02	peak	Horizontal
17475.00	43.16	2.92	46.08	54.00	-7.92	AVG	Horizontal
11650.00	53.19	-1.63	51.56	68.20	-16.64	peak	Vertical
11650.00	43.44	-1.63	41.81	54.00	-12.19	AVG	Vertical
17475.00	51.88	2.92	54.80	68.20	-13.40	peak	Vertical
17475.00	43.27	2.92	46.19	54.00	-7.81	AVG	Vertical

Remark: margin=measurement-limit

5190MHz

Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
10380.00	53.71	-1.88	51.83	68.20	-16.37	peak	Horizontal
10380.00	43.11	-1.88	41.23	54.00	-12.77	AVG	Horizontal
15570.00	53.87	-0.05	53.82	68.20	-14.38	peak	Horizontal
15570.00	45.11	-0.05	45.06	54.00	-8.94	AVG	Horizontal
10380.00	55.38	-1.88	53.50	68.20	-14.70	peak	Vertical
10380.00	43.58	-1.88	41.70	54.00	-12.30	AVG	Vertical
15570.00	53.21	-0.05	53.16	68.20	-15.04	peak	Vertical
15570.00	42.55	-0.05	42.50	54.00	-11.50	AVG	Vertical

5310MHz

Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
10620.00	53.71	-1.57	52.14	68.20	-16.06	peak	Horizontal
10620.00	43.29	-1.57	41.72	54.00	-12.28	AVG	Horizontal
15930.00	54.92	0.32	55.24	68.20	-12.96	peak	Horizontal
15930.00	44.56	0.32	44.88	54.00	-9.12	AVG	Horizontal
10620.00	54.38	-1.57	52.81	68.20	-15.39	peak	Vertical
10620.00	44.45	-1.57	42.88	54.00	-11.12	AVG	Vertical
15930.00	51.43	0.32	51.75	68.20	-16.45	peak	Vertical
15930.00	44.97	0.32	45.29	54.00	-8.71	AVG	Vertical

5510MHz

Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
11020.00	55.08	-1.62	53.46	68.20	-14.74	peak	Horizontal
11020.00	43.17	-1.62	41.55	54.00	-12.45	AVG	Horizontal
16530.00	51.23	1.42	52.65	68.20	-15.55	peak	Horizontal
16530.00	44.97	1.42	46.39	54.00	-7.61	AVG	Horizontal
11020.00	52.83	-1.62	51.21	68.20	-16.99	peak	Vertical
11020.00	43.33	-1.62	41.71	54.00	-12.29	AVG	Vertical
16530.00	51.83	1.42	53.25	68.20	-14.95	peak	Vertical
16530.00	43.57	1.42	44.99	54.00	-9.01	AVG	Vertical

Remark: margin=measurement-limit

5610MHz

Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
11220.00	54.65	-1.63	53.02	68.20	-15.18	peak	Horizontal
11220.00	43.93	-1.63	42.30	54.00	-11.70	AVG	Horizontal
16830.00	52.88	2.00	54.88	68.20	-13.32	peak	Horizontal
16830.00	44.04	2.00	46.04	54.00	-7.96	AVG	Horizontal
11220.00	55.61	-1.63	53.98	68.20	-14.22	peak	Vertical
11220.00	45.66	-1.63	44.03	54.00	-9.97	AVG	Vertical
16830.00	55.30	2.00	57.30	68.20	-10.90	peak	Vertical
16830.00	45.40	2.00	47.40	54.00	-6.60	AVG	Vertical

5755MHz

Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
11510.00	55.53	-1.64	53.89	68.20	-14.31	peak	Horizontal
11510.00	45.31	-1.64	43.67	54.00	-10.33	AVG	Horizontal
17265.00	52.36	2.66	55.02	68.20	-13.18	peak	Horizontal
17265.00	42.80	2.66	45.46	54.00	-8.54	AVG	Horizontal
11510.00	52.83	-1.64	51.19	68.20	-17.01	peak	Vertical
11510.00	44.18	-1.64	42.54	54.00	-11.46	AVG	Vertical
17265.00	51.74	2.66	54.40	68.20	-13.80	peak	Vertical
17265.00	42.70	2.66	45.36	54.00	-8.64	AVG	Vertical

5795MHz

Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
11590.00	55.84	-1.64	54.20	68.20	-14.00	peak	Horizontal
11590.00	45.60	-1.64	43.96	54.00	-10.04	AVG	Horizontal
17385.00	51.17	2.81	53.98	68.20	-14.22	peak	Horizontal
17385.00	45.76	2.81	48.57	54.00	-5.43	AVG	Horizontal
11590.00	52.40	-1.64	50.76	68.20	-17.44	peak	Vertical
11590.00	42.69	-1.64	41.05	54.00	-12.95	AVG	Vertical
17385.00	54.89	2.81	57.70	68.20	-10.50	peak	Vertical
17385.00	45.63	2.81	48.44	54.00	-5.56	AVG	Vertical

Remark: margin=measurement-limit

5210MHz

Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
10420.00	51.21	-1.78	49.43	68.20	-18.77	peak	Horizontal
10420.00	45.36	-1.78	43.58	54.00	-10.42	AVG	Horizontal
15630.00	53.63	0.01	53.64	68.20	-14.56	peak	Horizontal
15630.00	45.55	0.01	45.56	54.00	-8.44	AVG	Horizontal
10420.00	51.39	-1.78	49.61	68.20	-18.59	peak	Vertical
10420.00	44.62	-1.78	42.84	54.00	-11.16	AVG	Vertical
15630.00	51.77	0.01	51.78	68.20	-16.42	peak	Vertical
15630.00	43.27	0.01	43.28	54.00	-10.72	AVG	Vertical

5530MHz

Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
11060.00	51.63	-1.62	50.01	68.20	-18.19	peak	Horizontal
11060.00	43.79	-1.62	42.17	54.00	-11.83	AVG	Horizontal
16590.00	55.78	1.54	57.32	68.20	-10.88	peak	Horizontal
16590.00	42.56	1.54	44.10	54.00	-9.90	AVG	Horizontal
11060.00	51.35	-1.62	49.73	68.20	-18.47	peak	Vertical
11060.00	42.93	-1.62	41.31	54.00	-12.69	AVG	Vertical
16590.00	53.07	1.54	54.61	68.20	-13.59	peak	Vertical
16590.00	45.94	1.54	47.48	54.00	-6.52	AVG	Vertical

5775MHz

Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
11550.00	52.52	-1.64	50.88	68.20	-17.32	peak	Horizontal
11550.00	43.17	-1.64	41.53	54.00	-12.47	AVG	Horizontal
17325.00	54.49	2.73	57.22	68.20	-10.98	peak	Horizontal
17325.00	45.50	2.73	48.23	54.00	-5.77	AVG	Horizontal
11550.00	55.10	-1.64	53.46	68.20	-14.74	peak	Vertical
11550.00	42.76	-1.64	41.12	54.00	-12.88	AVG	Vertical
17325.00	51.75	2.73	54.48	68.20	-13.72	peak	Vertical
17325.00	42.84	2.73	45.57	54.00	-8.43	AVG	Vertical

Remark: margin=measurement-limit

6. Test setup photo

Refer to appendix for details

7. Photo of the EUT

Refer to appendix for details

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