

TEST REPORT

Radio Frequency Devices-Intentional Radiators

for

Products Name: Action Camera

Model No.: C8, C9, C8 Pro, C9 Pro

FCC ID: 2BW6DC8C9

Report No.: SST2608E150

Issued Date: 2026-8-18

Issued for

Shenzhen Tianchida Intelligent Technology CO.,LTD

Room 41B Block C, Electronics Science & Technology Bldg.,2070 Shennan Zhong Road, Futian District,
Shenzhen, Guangdong, China

Issued by

Dongguan Qiyang Testing Technology Co., Ltd.

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

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1. Basic Introduction

Applicant's name :	Shenzhen Tianchida Intelligent Technology CO.,LTD	
Address	Room 41B Block C, Electronics Science & Technology Bldg.,2070 Shennan Zhong Road, Futian District, Shenzhen, Guangdong, China	
Manufacturer's name	Shenzhen Tianchida Intelligent Technology CO.,LTD	
Address	Room 41B Block C, Electronics Science & Technology Bldg.,2070 Shennan Zhong Road, Futian District, Shenzhen, Guangdong, China	
Factory name	Shenzhen Tianchida Intelligent Technology CO.,LTD	
Address	Room 41B Block C, Electronics Science & Technology Bldg.,2070 Shennan Zhong Road, Futian District, Shenzhen, Guangdong, China	
Products Name :	Action Camera	
Model No :	C8, C9, C8 Pro, C9 Pro	
Trade Mark	/	
Rating(s) :	DC 3.7V 2000mAh battery Or DC 5V by external power supply	
Date of sample receipt :	2026-7-14	
Date of Test :	2026-7-14~2026-8-17	
Standard(s)	FCC 47 CFR PART 15 Subpart C Section 15.247 ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	
Tested by (+signature) :	Connor Ma	
Check by (+signature) :	Davis Zhou	
Approved by (+signature) :	Tiger Chen	



2. General description

2.1. EUT description

Products Name	Action Camera	
Model No.	C8, C9, C8 Pro, C9 Pro	
Rating(s)	DC 3.7V 2000mAh battery Or DC 5V by external power supply	
SN:	26071404-02	
Software version.....	/	
Hardware version	/	
Operation frequency	2412MHz ~ 2462MHz	
Channel numbers	11	
Channel separation	5MHz	
Modulation technology	802.11b/g/n	
Supported Bandwidth	20M	
Antenna type	IFA Antenna	
Antenna gain	1.59 dBi (declare by Applicant)	
Cable	Name	Description
		☐ Shielded ☐ Unshielded ☐ Detachable ☐ Un-detachable ☐ No applicable ☐ Length:

2.2. Serial model(s) and model difference

Main model(s)	C8
Serial model(s)	C9, C9 Pro, C8 Pro
Model difference	All models were in same PCB design and internal structure. The only difference is model name appearance and enclosure colour for commercial purpose.

2.3. Auxiliary equipment

Support equipment list			
Description	Manufacturer	Model No.	Serial No.
Adapter	Lenovo	XXC100G	/
PC	HP	Zhan 66P	/
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
1	continuously transmitting, with its lowest data rate which emit the max power level

Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	5	2432MHz	9	2452MHz
2	2417MHz	6	2437MHz	10	2457MHz
3	2422MHz	7	2442MHz	11	2462MHz
4	2427MHz	8	2447MHz		

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
SST2608E150	2026-8-18	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	DOGO_VP2.3.8
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
AC Power Line Conducted Emission	FCC part 15.207	Pass
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.	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.

EUT Antenna:

The antenna is IFA antenna, Reference to the appendix for details

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

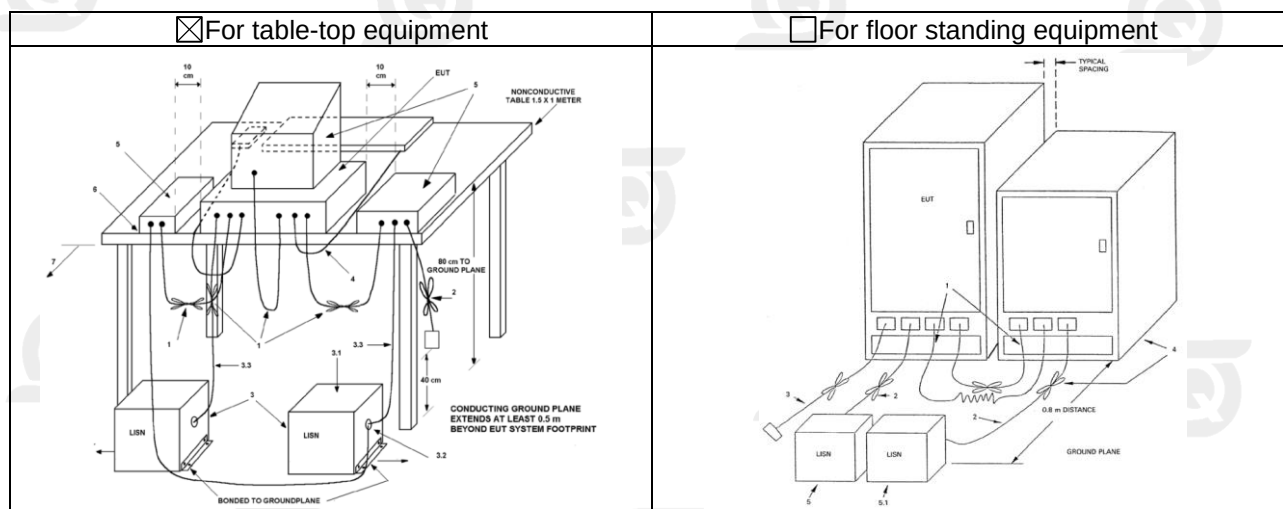
The measurement was performed in a shield room.

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.

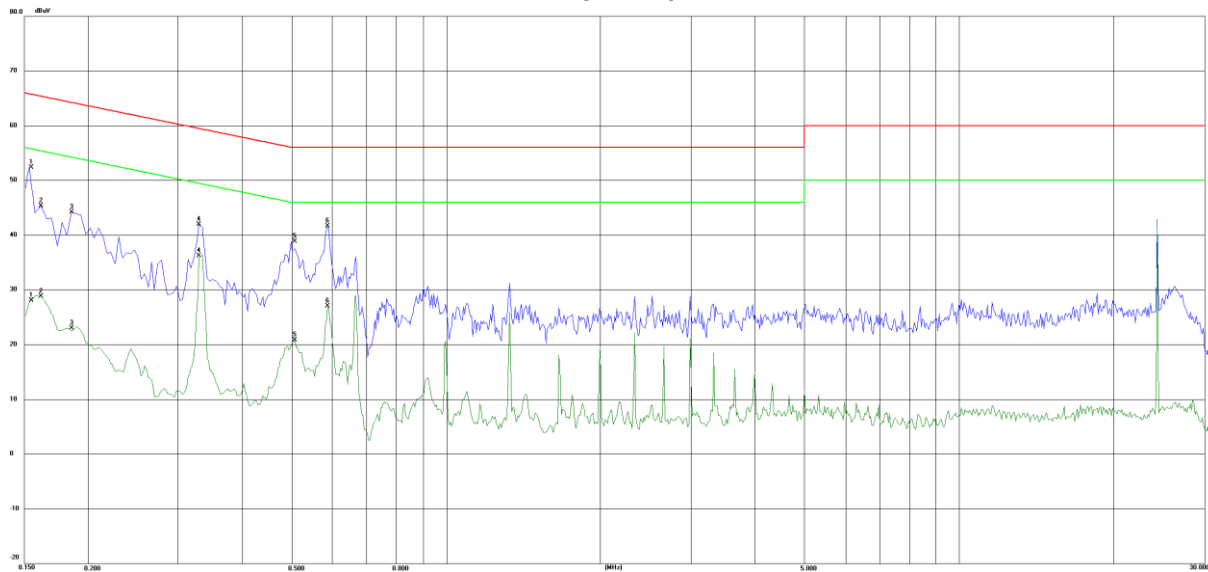
5.2.3. Block diagram of test setup



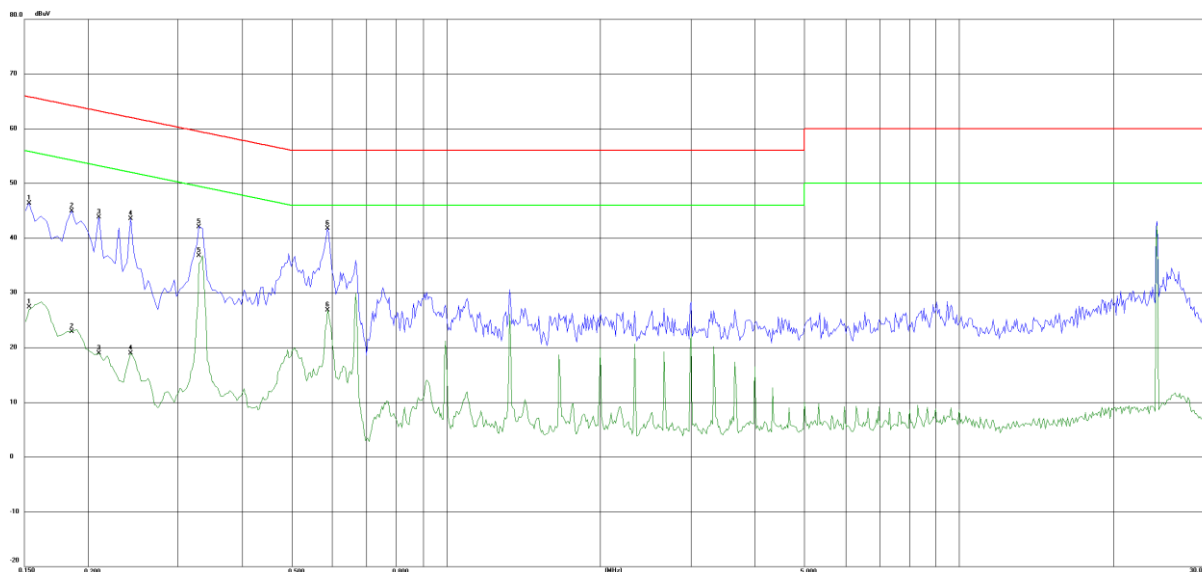
5.2.4. Test information

Ambient temperature:	26.4 °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 (802.11b 2412MHz)

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	0.155	52.40	65.73	-13.33	28.09	55.73	-27.64	Pass	Neutral
2	0.162	45.31	65.36	-20.05	28.87	55.36	-26.49	Pass	Neutral
3	0.186	44.21	64.21	-20.00	23.04	54.21	-31.17	Pass	Neutral
4	0.330	41.93	59.45	-17.52	36.20	49.45	-13.25	Pass	Neutral
5	0.506	38.90	56.00	-17.10	20.88	46.00	-25.12	Pass	Neutral
6	0.586	41.65	56.00	-14.35	27.08	46.00	-18.92	Pass	Neutral



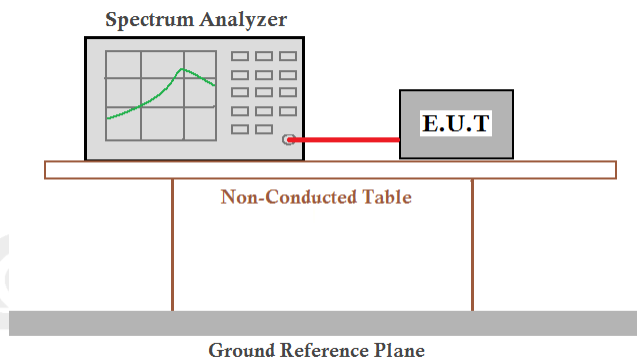
No.	Frequency (MHz)	QP Value (dBμV)	QP Limit (dBμV)	QP Margin (dB)	AVG Value (dBμV)	AVG Limit (dBμV)	AVG Margin (dB)	Result	Line
1	0.154	46.39	65.79	-19.40	27.40	55.79	-28.39	Pass	Line 1
2	0.186	44.99	64.21	-19.22	22.95	54.21	-31.26	Pass	Line 1
3	0.210	43.88	63.21	-19.33	19.00	53.21	-34.21	Pass	Line 1
4	0.242	43.52	62.03	-18.51	19.00	52.03	-33.03	Pass	Line 1
5	0.330	42.03	59.45	-17.42	36.76	49.45	-12.69	Pass	Line 1
6	0.586	41.81	56.00	-14.19	26.85	46.00	-19.15	Pass	Line 1

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 558074 v05r02.

- 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 Peak Output Power

Limit

1W (30dBm, Conducted)

Block diagram of Test Setup



Test Instrument

Refer to section 4 for details

Test Procedures

Test according to ANSI C63.10 clause 11.9

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 Peak output power and record the results in the test report.

Verdict

Pass

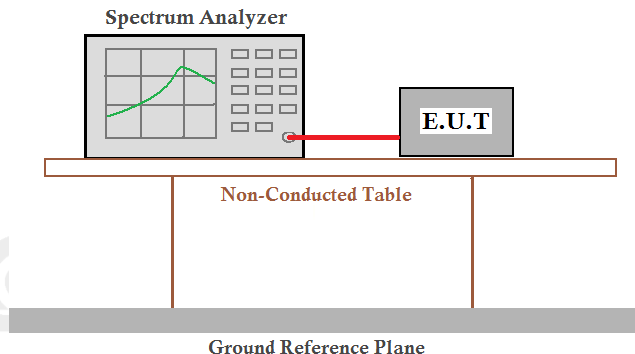
Measurement Data: The detailed test data see Appendix

5.5. Channel Bandwidth

Limit

>500KHz

Block diagram of Test Setup



Test Instrument

Refer to section 4 for details

Test Procedures

The steps for the first option are as follows:

- 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.

The following procedure shall be used for measuring 99% power bandwidth: Use the following spectrum analyzer settings:

- Span equal to approximately 1.5 times the OBW, centered on the carrier frequency
- RBW, prefer 1% to 5% of OBW, or a minimum of 1 MHz if this is not possible due to a large OBW
- VBW approximately $3 \times \text{RBW}$.
- Sweep = No faster than coupled (auto) time
- Detector function = peak.
- Trace = max-hold.
- The EUT shall be transmitting at its maximum data rate. Allow the trace to stabilize.

Verdict

Pass

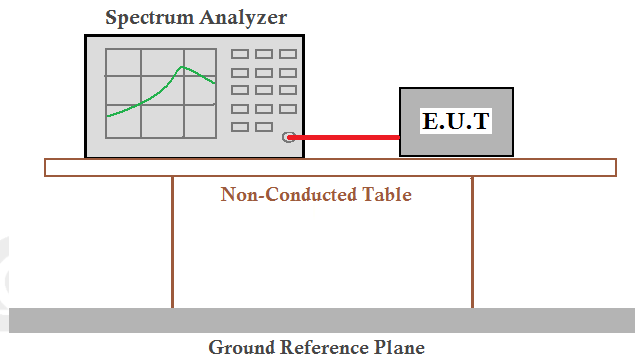
Measurement Data: The detailed test data see Appendix

5.6. Power Spectral Density

Limit

8dBm/3kHz

Block diagram of Test Setup



Test Instrument

Refer to section 4 for details

Test Procedures

The path loss was compensated to the results for each measurement.

- 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

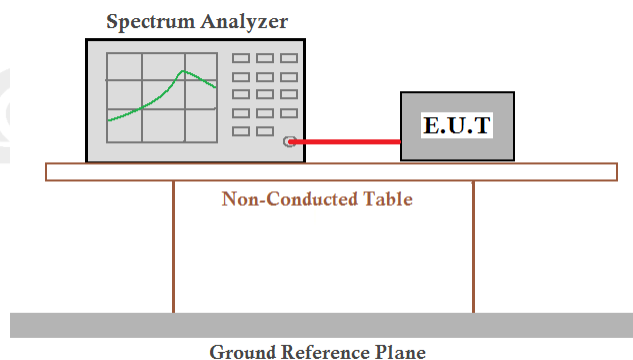
Measurement Data: The detailed test data see Appendix

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

The path loss was compensated to the results for each measurement.

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

Note: The conducted spurious emissions test has compensated for the maximum line loss measurement, and the recorded data represents the worst-case scenario

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

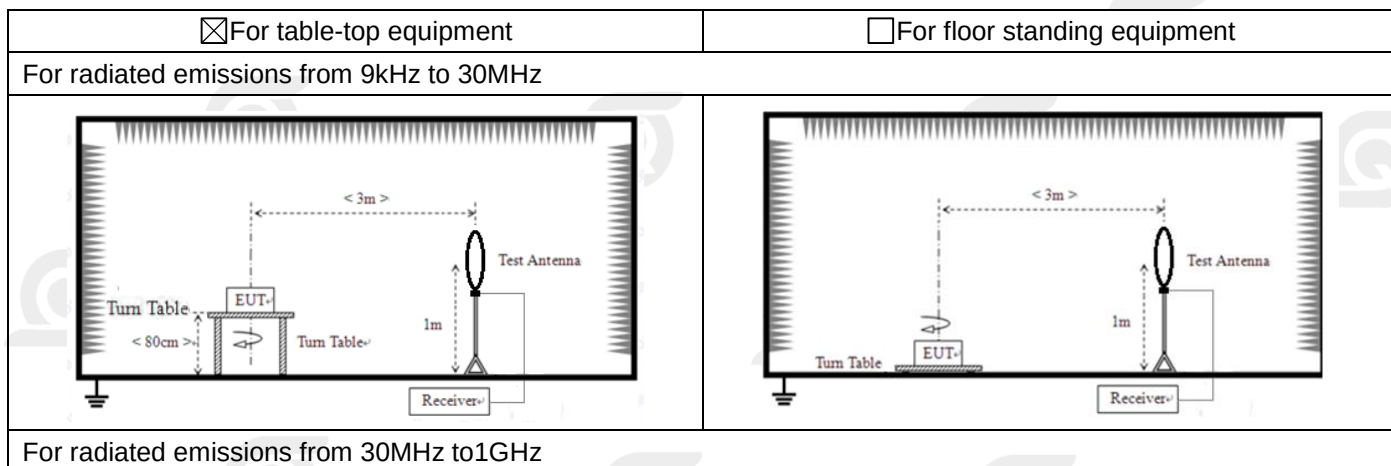
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54–72 MHz, 76–88 MHz, 174–216 MHz or 470–806 MHz. However, operation within these frequency bands is permitted under other sections of this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

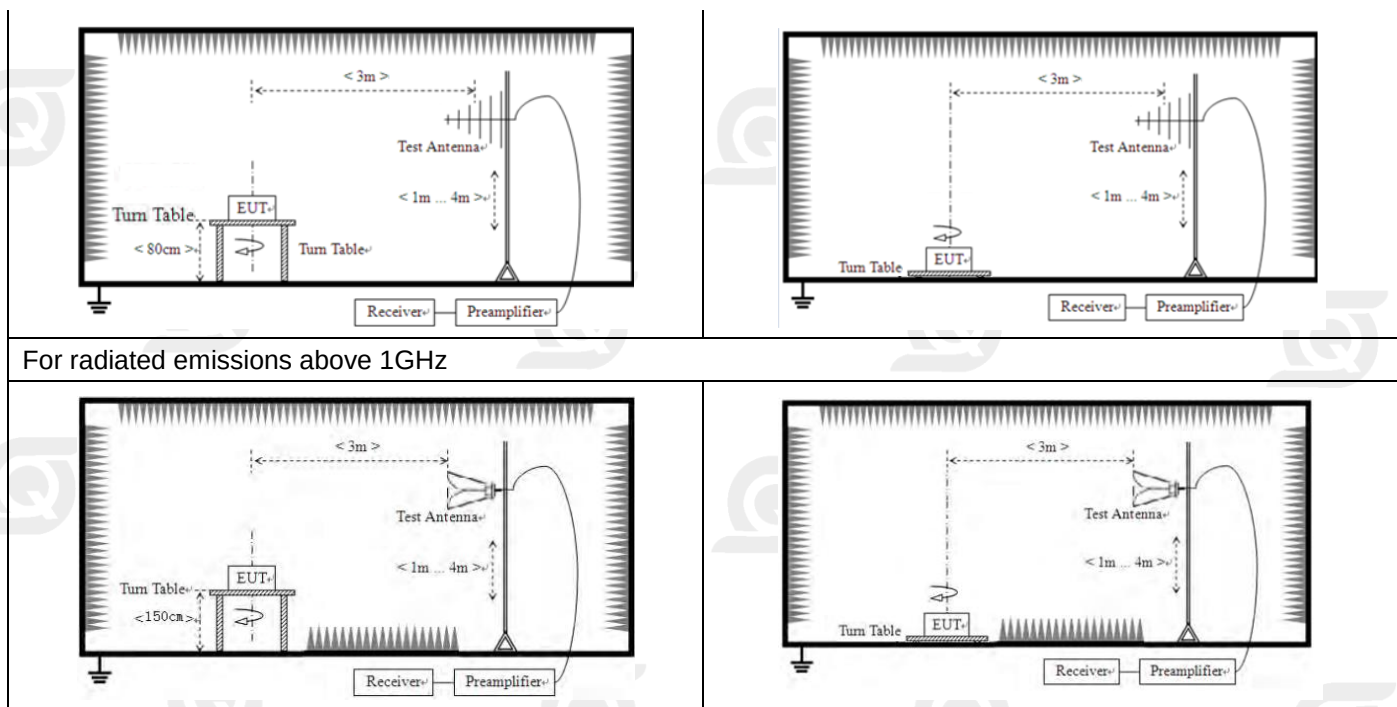
5.8.2. Test method

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

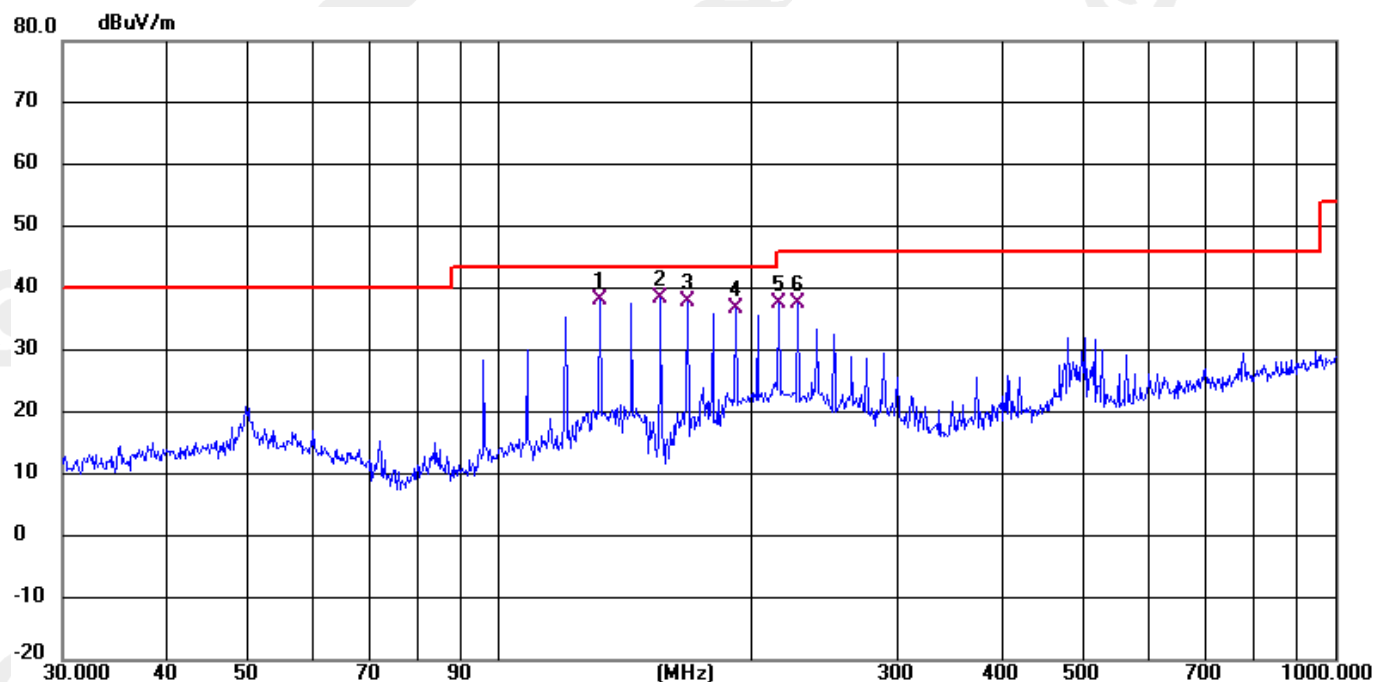
Ambient temperature:	22.5 °C
Relative humidity:	46 %
EUT operation mode:	Mode 1
Test results:	Pass
Remark:	Factor Value = Antenna Factor + Cable Loss - Preamplifier Factor Level Value = Reading Value + Factor Value Margin Value = Level Value - Limit Value

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.

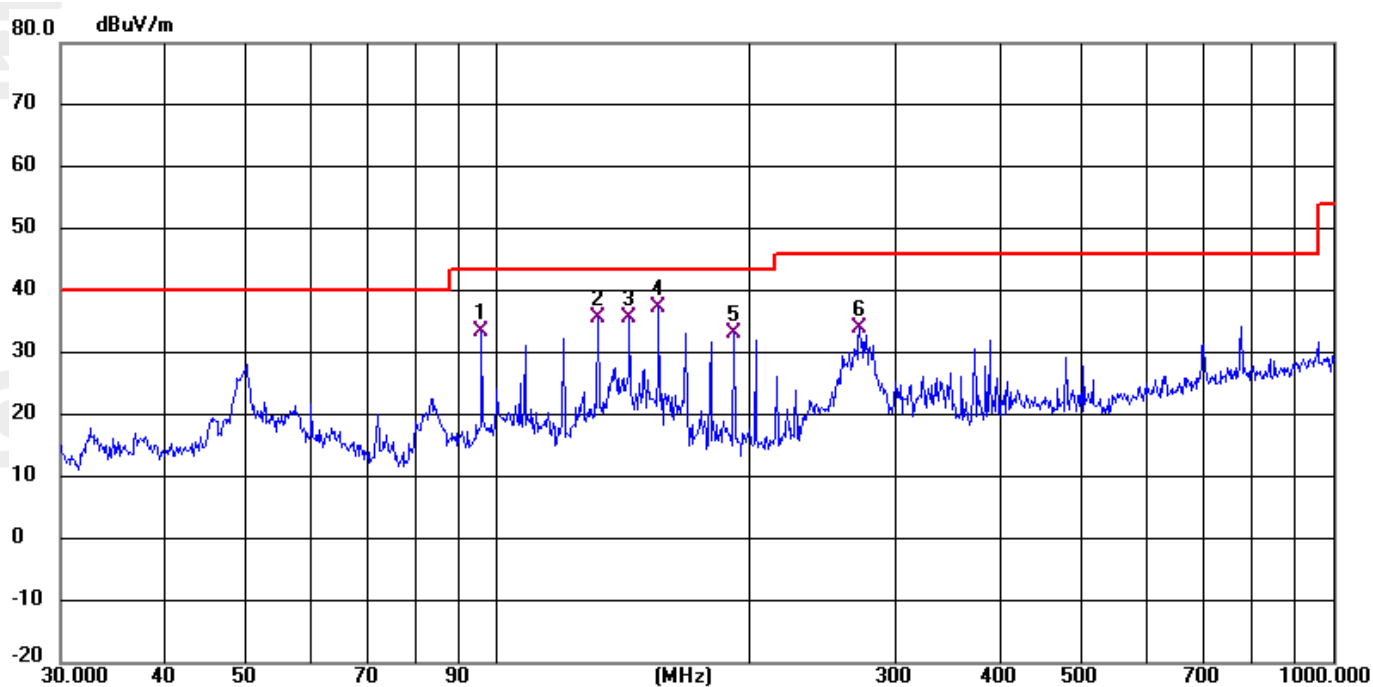
Measurement data and Graphical presentation of the result

All condition were test and passed, only worst data report (802.11b 2412MHz)

C8:

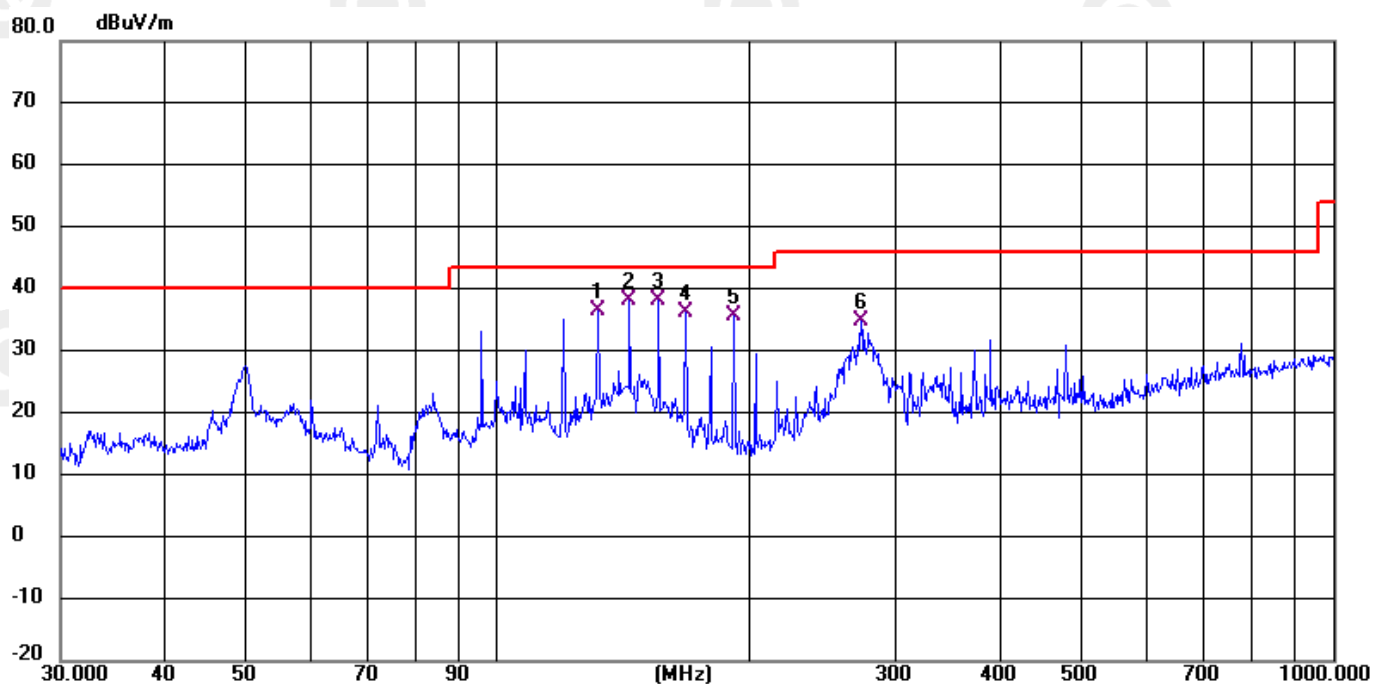


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1	132.047	28.59	9.62	38.21	43.50	-5.29	QP	Horizontal
2 *	156.047	28.73	9.62	38.35	43.50	-5.15	QP	Horizontal
3	168.045	27.72	10.07	37.79	43.50	-5.71	QP	Horizontal
4	192.082	24.61	12.26	36.87	43.50	-6.63	QP	Horizontal
5	216.119	24.75	12.98	37.73	46.00	-8.27	QP	Horizontal
6	228.090	24.28	13.43	37.71	46.00	-8.29	QP	Horizontal

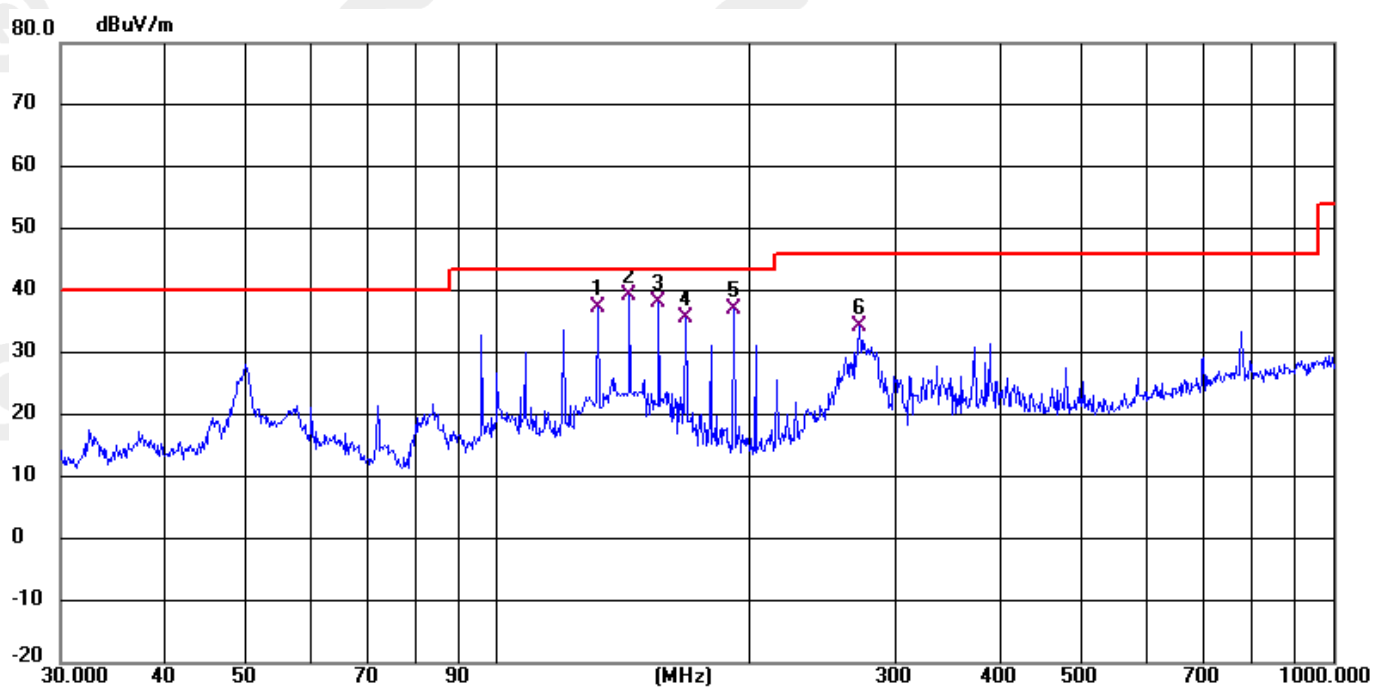


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1	96.014	21.24	12.16	33.40	43.50	-10.10	QP	Vertical
2	132.047	26.05	9.62	35.67	43.50	-7.83	QP	Vertical
3	144.019	26.36	9.37	35.73	43.50	-7.77	QP	Vertical
4 *	156.047	27.81	9.62	37.43	43.50	-6.07	QP	Vertical
5	192.082	20.88	12.26	33.14	43.50	-10.36	QP	Vertical
6	271.801	19.29	14.66	33.95	46.00	-12.05	QP	Vertical

C9:



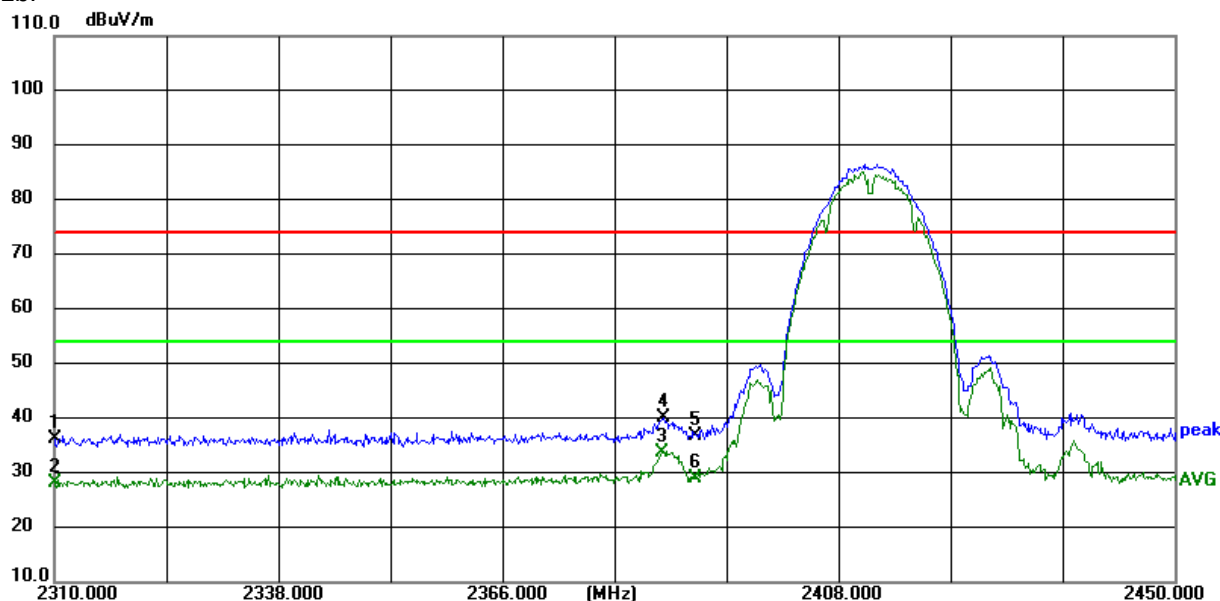
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1	132.047	26.88	9.62	36.50	43.50	-7.00	QP	Horizontal
2	144.019	28.78	9.37	38.15	43.50	-5.35	QP	Horizontal
3 *	156.047	28.54	9.62	38.16	43.50	-5.34	QP	Horizontal
4	168.045	26.21	10.07	36.28	43.50	-7.22	QP	Horizontal
5	192.082	23.48	12.26	35.74	43.50	-7.76	QP	Horizontal
6	272.516	20.22	14.69	34.91	46.00	-11.09	QP	Horizontal



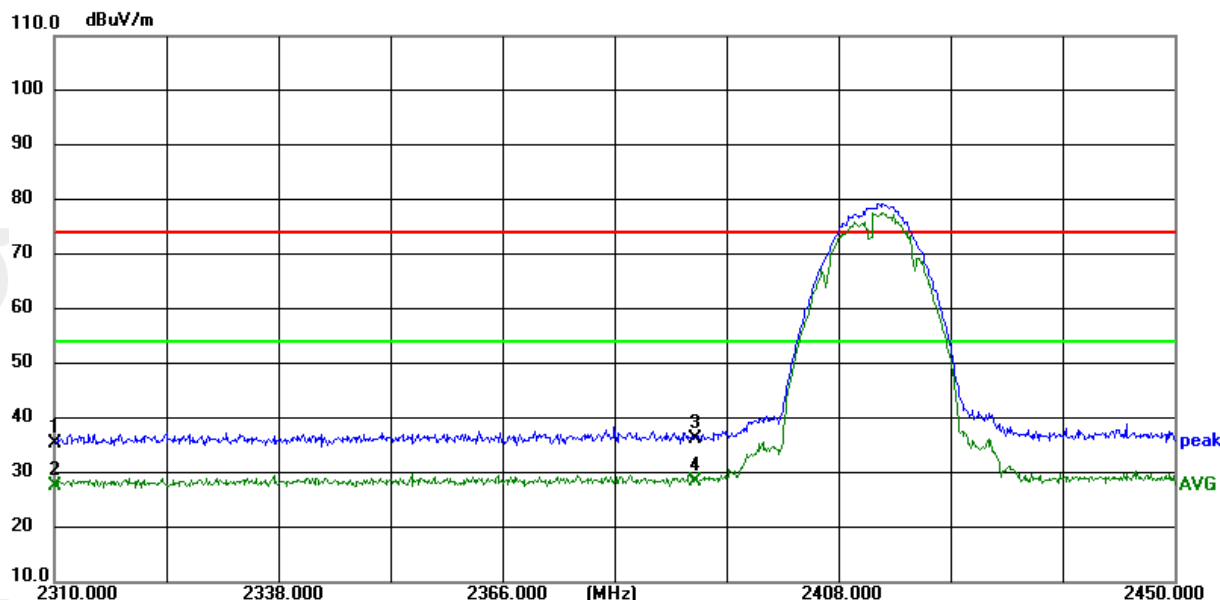
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1	132.047	27.70	9.62	37.32	43.50	-6.18	QP	Vertical
2 *	144.019	30.02	9.37	39.39	43.50	-4.11	QP	Vertical
3	156.047	28.55	9.62	38.17	43.50	-5.33	QP	Vertical
4	168.045	25.75	10.07	35.82	43.50	-7.68	QP	Vertical
5	192.082	24.85	12.26	37.11	43.50	-6.39	QP	Vertical
6	271.563	19.74	14.64	34.38	46.00	-11.62	QP	Vertical

Band Edge(C8):

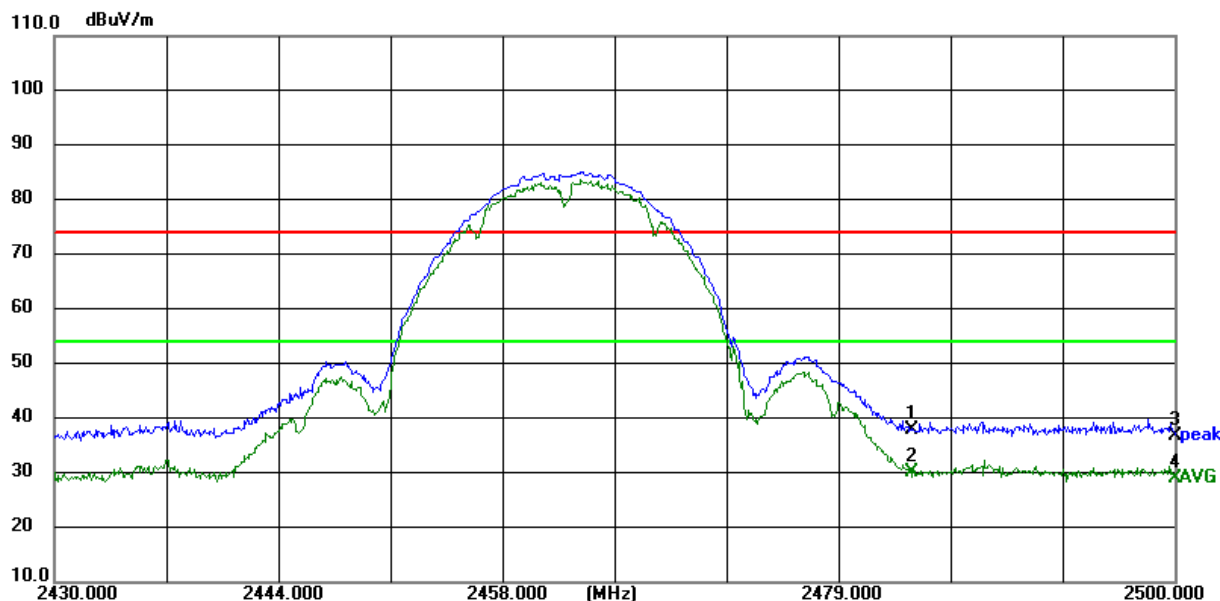
802.11b:



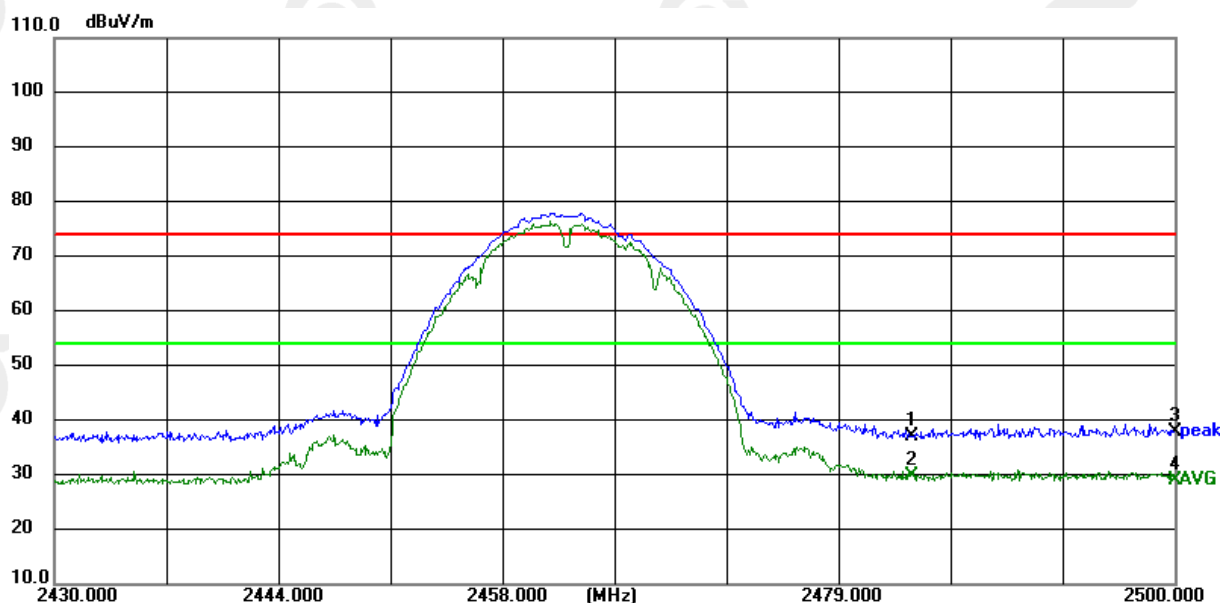
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	2310.000	57.07	-20.81	36.26	74.00	-37.74	peak	Horizontal
2	2310.000	49.11	-20.81	28.30	54.00	-25.70	AVG	Horizontal
3 *	2385.827	54.37	-20.64	33.73	54.00	-20.27	AVG	Horizontal
4	2386.055	60.69	-20.64	40.05	74.00	-33.95	peak	Horizontal
5	2390.000	57.44	-20.60	36.84	74.00	-37.16	peak	Horizontal
6	2390.000	49.73	-20.60	29.13	54.00	-24.87	AVG	Horizontal



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	2310.000	56.29	-20.81	35.48	74.00	-38.52	peak	Vertical
2	2310.000	48.35	-20.81	27.54	54.00	-26.46	AVG	Vertical
3	2390.000	56.73	-20.60	36.13	74.00	-37.87	peak	Vertical
4 *	2390.000	49.16	-20.60	28.56	54.00	-25.44	AVG	Vertical

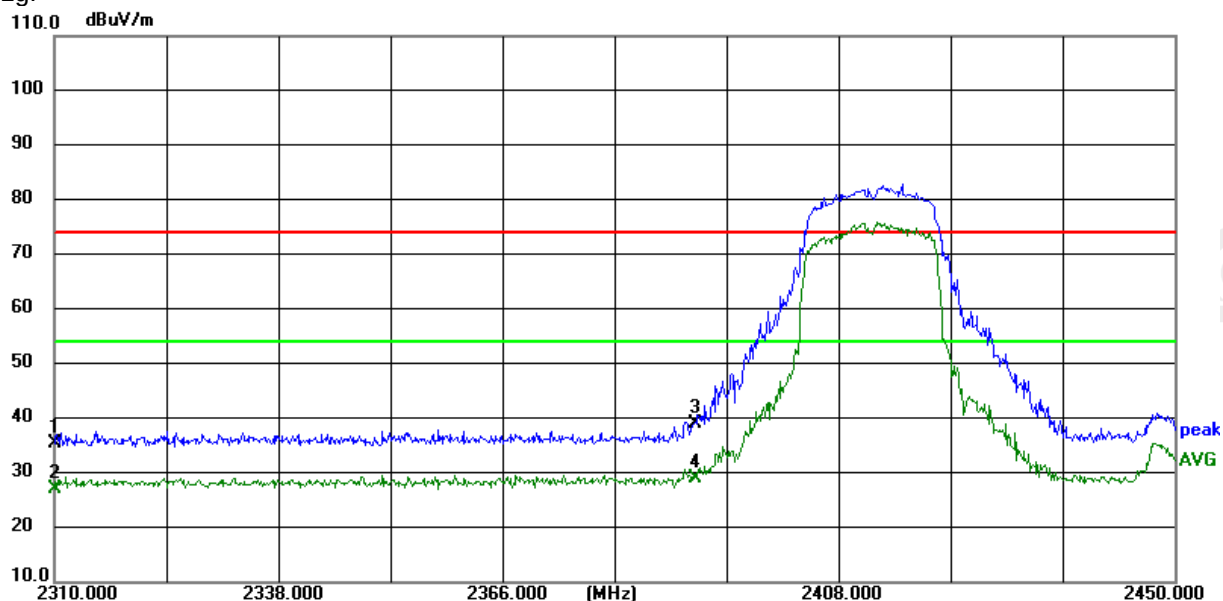


No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	2483.500	58.11	-20.29	37.82	74.00	-36.18	peak	Horizontal
2 *	2483.500	50.43	-20.29	30.14	54.00	-23.86	AVG	Horizontal
3	2500.000	57.08	-20.20	36.88	74.00	-37.12	peak	Horizontal
4	2500.000	49.35	-20.20	29.15	54.00	-24.85	AVG	Horizontal

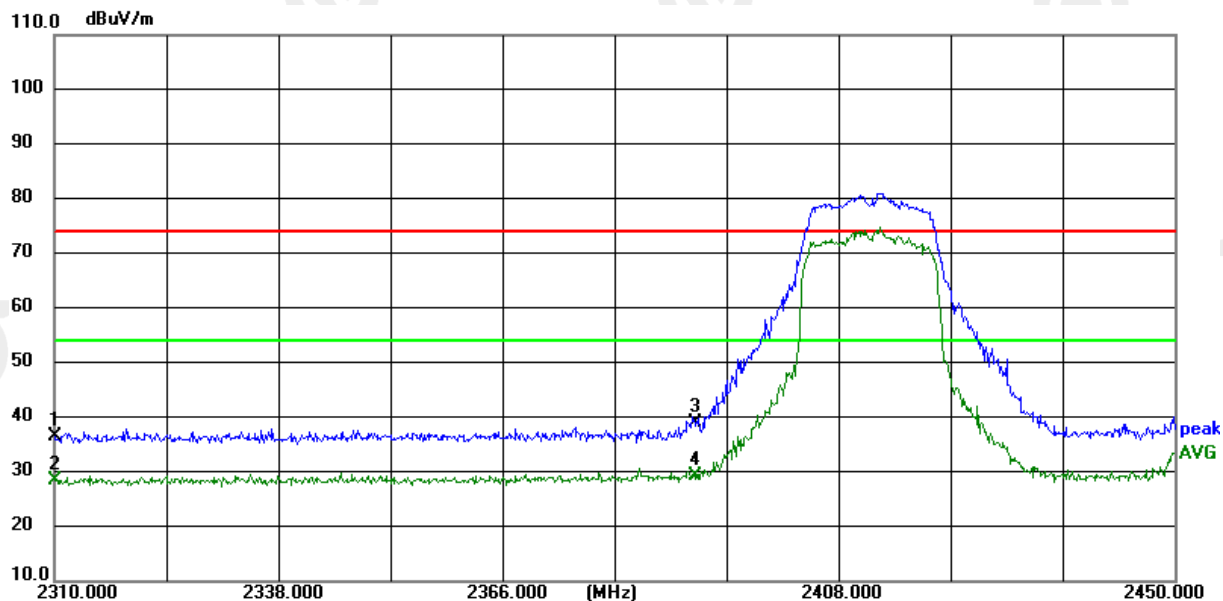


No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	2483.500	57.33	-20.29	37.04	74.00	-36.96	peak	Vertical
2 *	2483.500	50.17	-20.29	29.88	54.00	-24.12	AVG	Vertical
3	2500.000	58.02	-20.20	37.82	74.00	-36.18	peak	Vertical
4	2500.000	49.35	-20.20	29.15	54.00	-24.85	AVG	Vertical

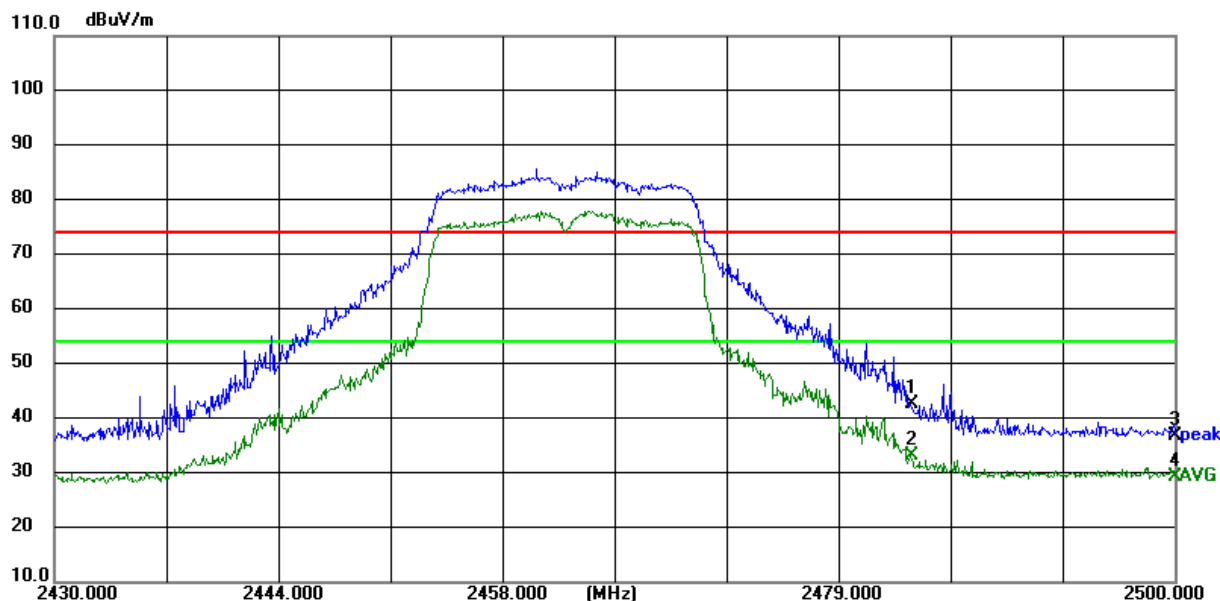
802.11g:



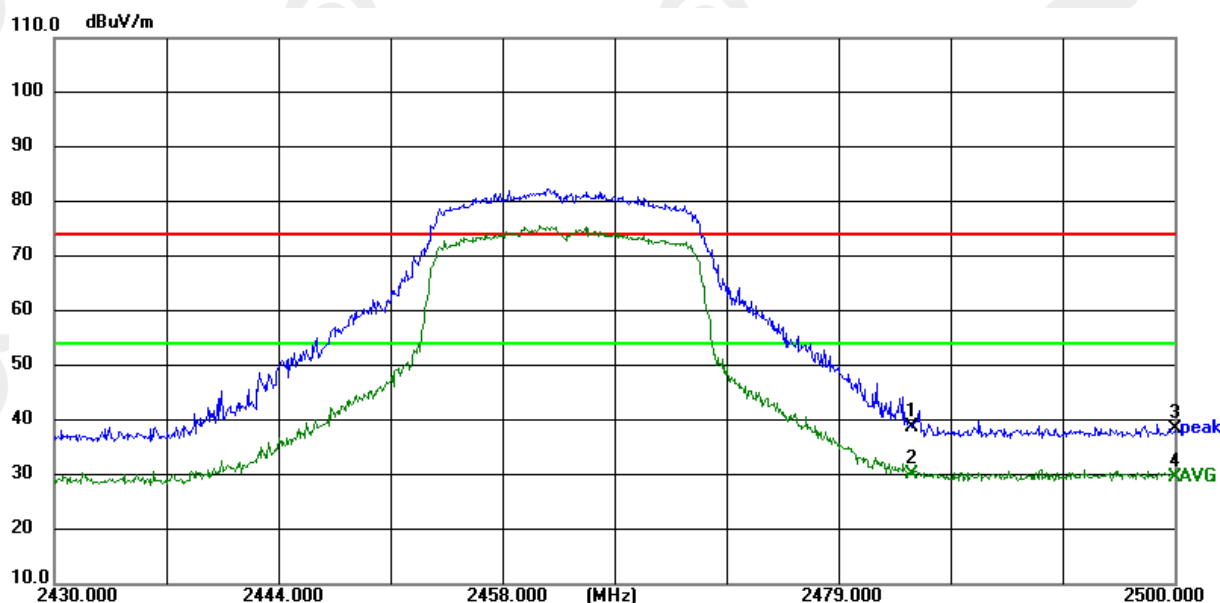
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	2310.000	56.33	-20.81	35.52	74.00	-38.48	peak	Horizontal
2	2310.000	47.92	-20.81	27.11	54.00	-26.89	AVG	Horizontal
3	2390.000	59.74	-20.60	39.14	74.00	-34.86	peak	Horizontal
4 *	2390.000	49.76	-20.60	29.16	54.00	-24.84	AVG	Horizontal



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	2310.000	57.25	-20.81	36.44	74.00	-37.56	peak	Vertical
2	2310.000	49.20	-20.81	28.39	54.00	-25.61	AVG	Vertical
3	2390.000	59.64	-20.60	39.04	74.00	-34.96	peak	Vertical
4 *	2390.000	50.02	-20.60	29.42	54.00	-24.58	AVG	Vertical

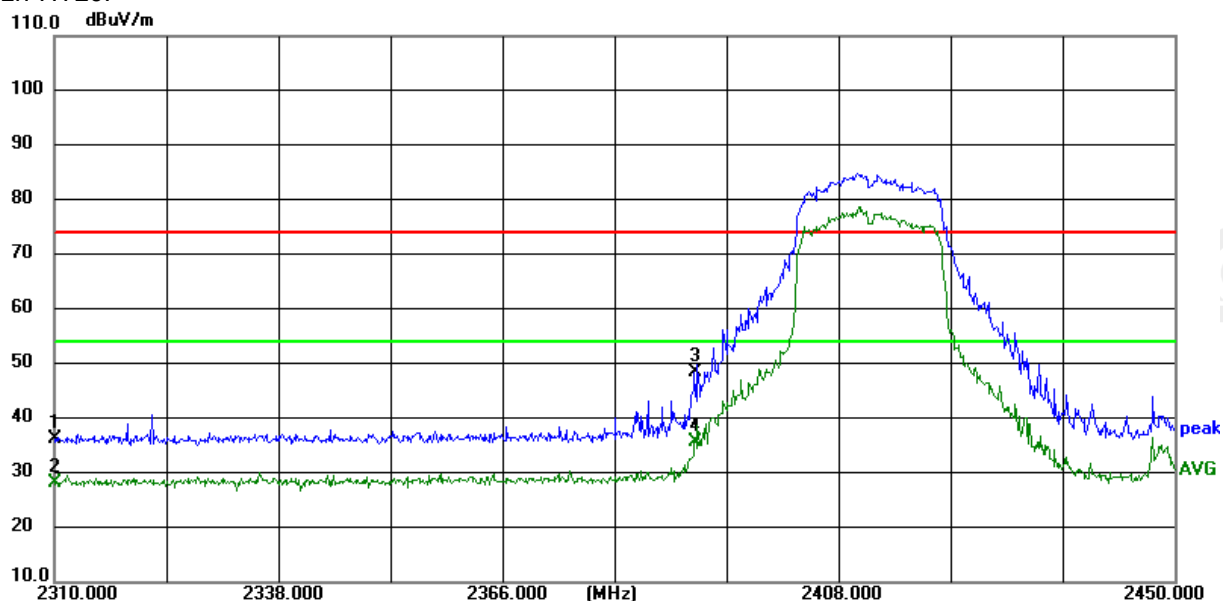


No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	2483.500	62.93	-20.29	42.64	74.00	-31.36	peak	Horizontal
2 *	2483.500	53.41	-20.29	33.12	54.00	-20.88	AVG	Horizontal
3	2500.000	56.91	-20.20	36.71	74.00	-37.29	peak	Horizontal
4	2500.000	49.43	-20.20	29.23	54.00	-24.77	AVG	Horizontal

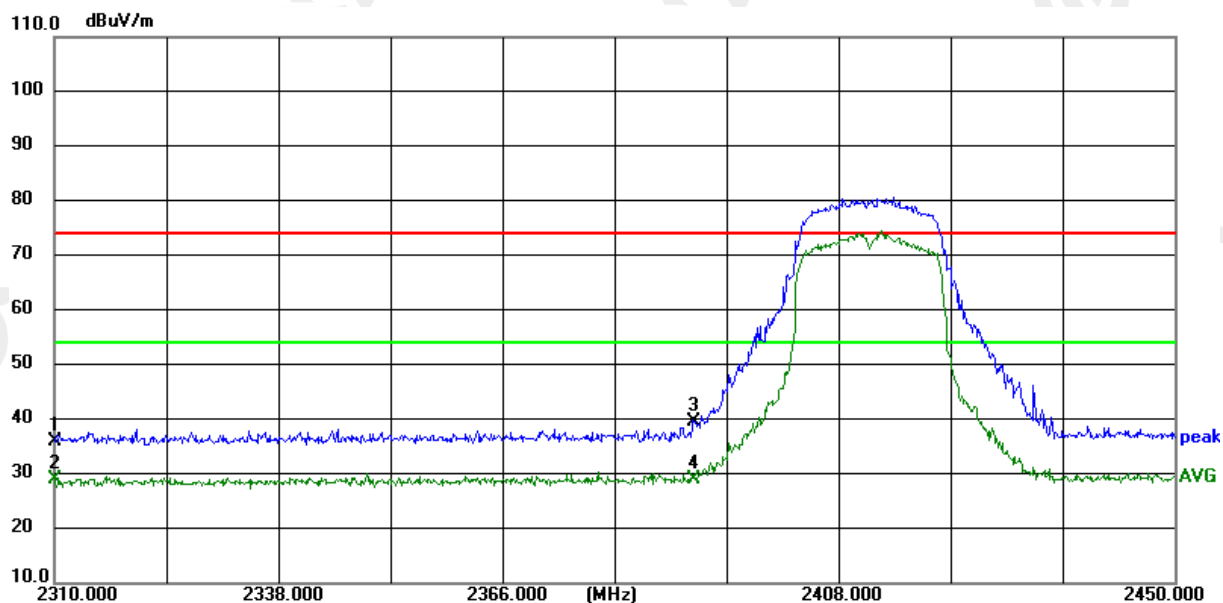


No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	2483.500	59.07	-20.29	38.78	74.00	-35.22	peak	Vertical
2 *	2483.500	50.36	-20.29	30.07	54.00	-23.93	AVG	Vertical
3	2500.000	58.65	-20.20	38.45	74.00	-35.55	peak	Vertical
4	2500.000	49.65	-20.20	29.45	54.00	-24.55	AVG	Vertical

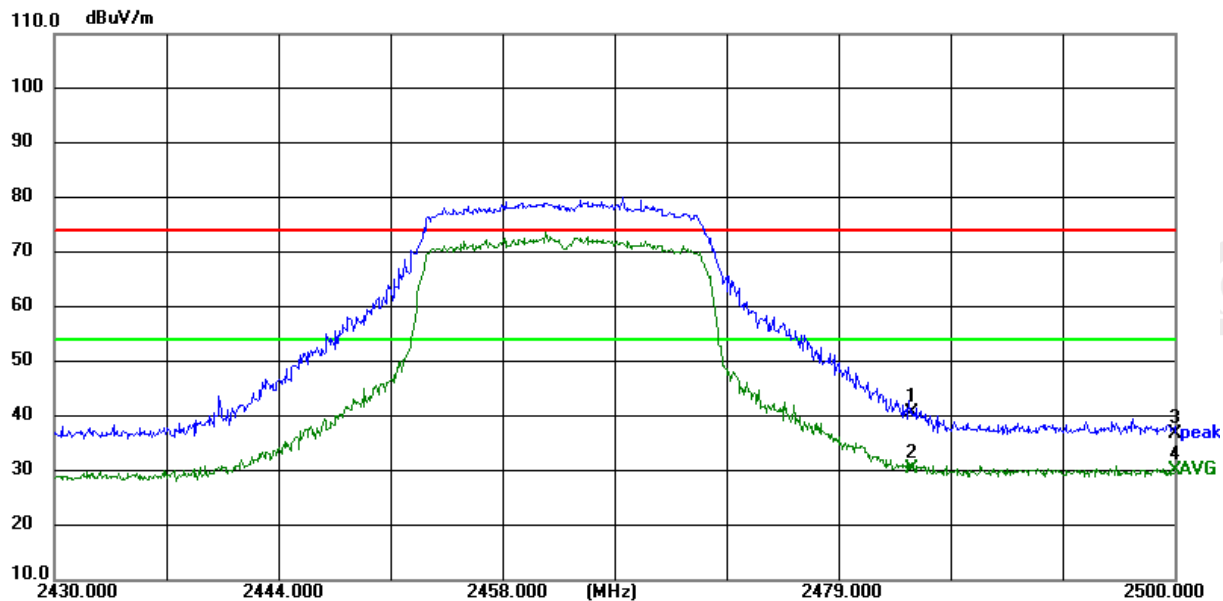
802.11n-HT20:



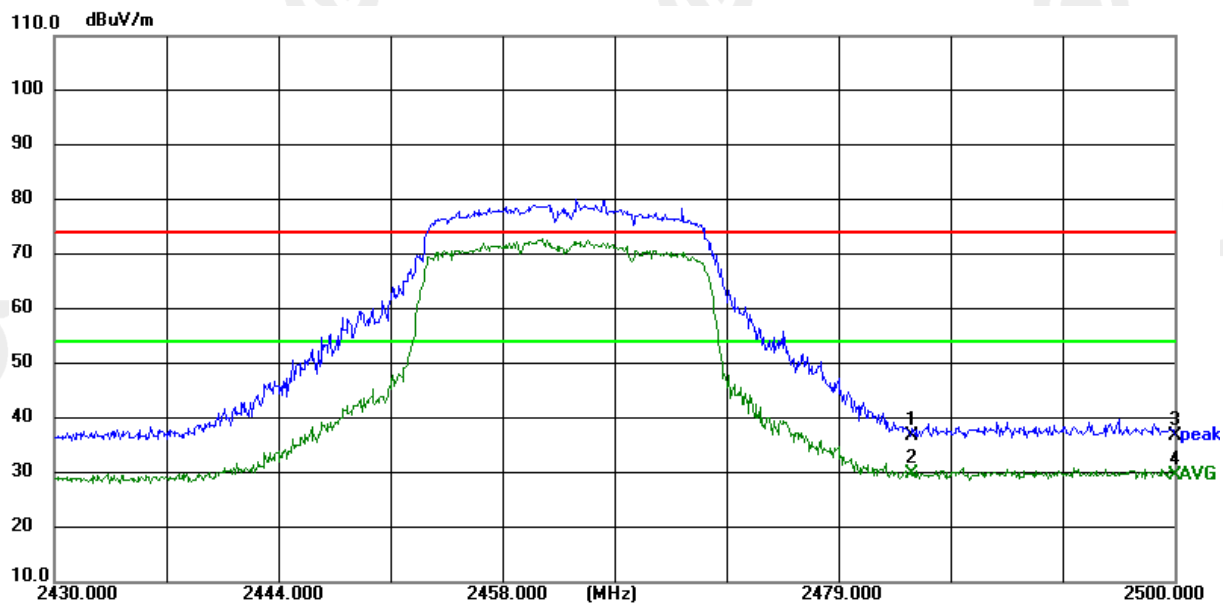
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	2310.000	57.01	-20.81	36.20	74.00	-37.80	peak	Horizontal
2	2310.000	49.03	-20.81	28.22	54.00	-25.78	AVG	Horizontal
3	2390.000	69.05	-20.60	48.45	74.00	-25.55	peak	Horizontal
4 *	2390.000	56.26	-20.60	35.66	54.00	-18.34	AVG	Horizontal



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	2310.000	56.86	-20.81	36.05	74.00	-37.95	peak	Vertical
2	2310.000	49.71	-20.81	28.90	54.00	-25.10	AVG	Vertical
3	2390.000	60.30	-20.60	39.70	74.00	-34.30	peak	Vertical
4 *	2390.000	49.60	-20.60	29.00	54.00	-25.00	AVG	Vertical



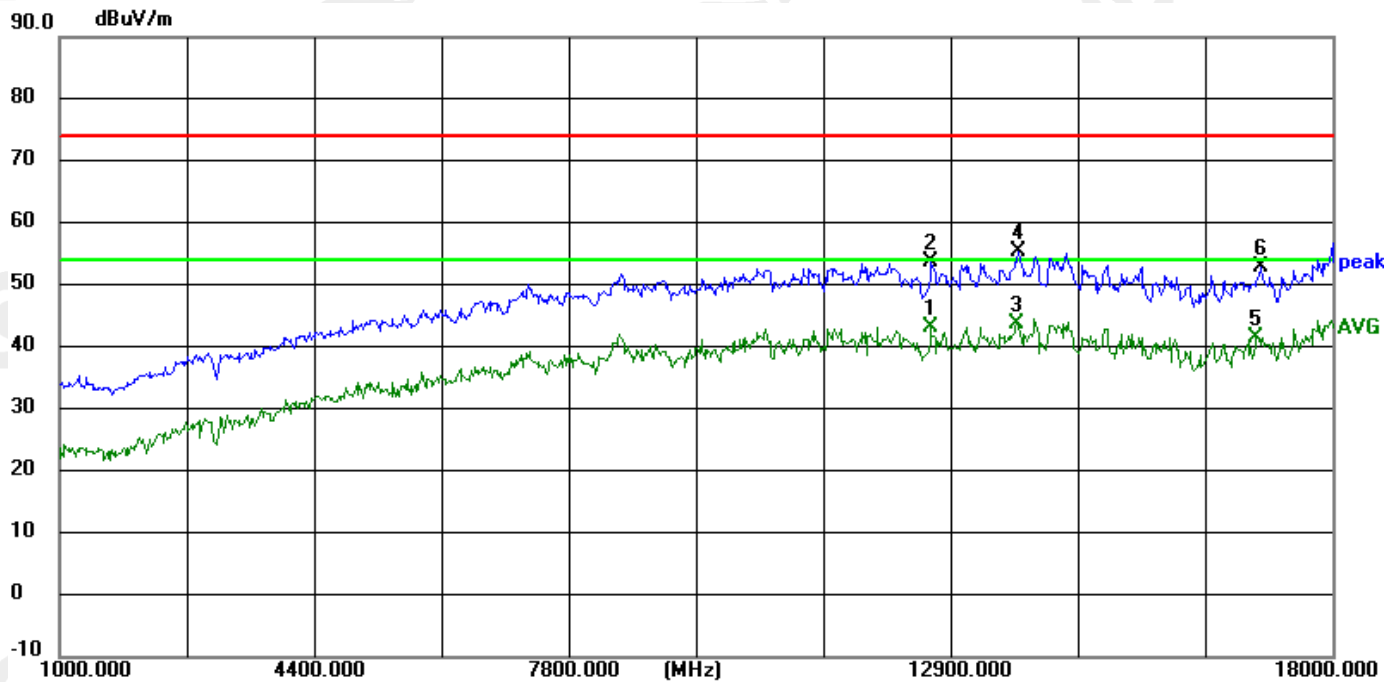
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	2483.500	61.06	-20.29	40.77	74.00	-33.23	peak	Horizontal
2 *	2483.500	50.82	-20.29	30.53	54.00	-23.47	AVG	Horizontal
3	2500.000	57.09	-20.20	36.89	74.00	-37.11	peak	Horizontal
4	2500.000	50.38	-20.20	30.18	54.00	-23.82	AVG	Horizontal



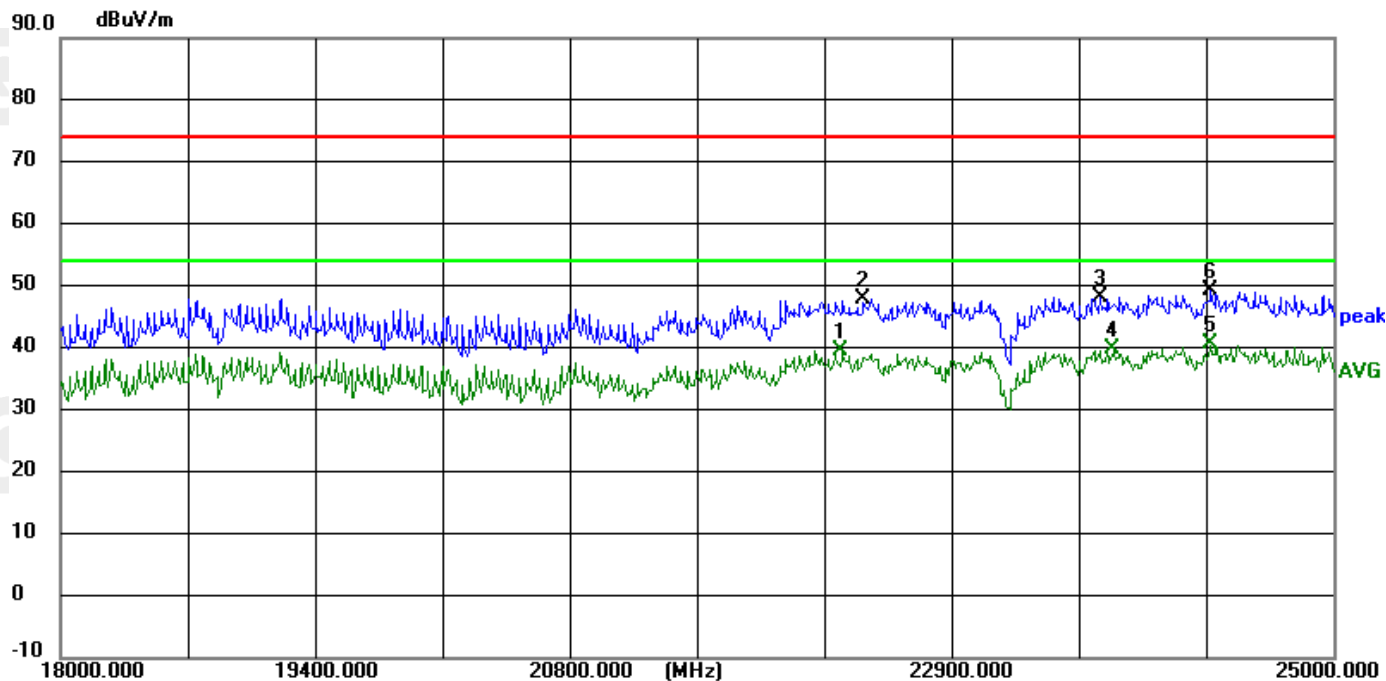
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	2483.500	57.13	-20.29	36.84	74.00	-37.16	peak	Vertical
2 *	2483.500	50.27	-20.29	29.98	54.00	-24.02	AVG	Vertical
3	2500.000	57.06	-20.20	36.86	74.00	-37.14	peak	Vertical
4	2500.000	49.70	-20.20	29.50	54.00	-24.50	AVG	Vertical

Spurious Emissions: 802.11b(worst condition)

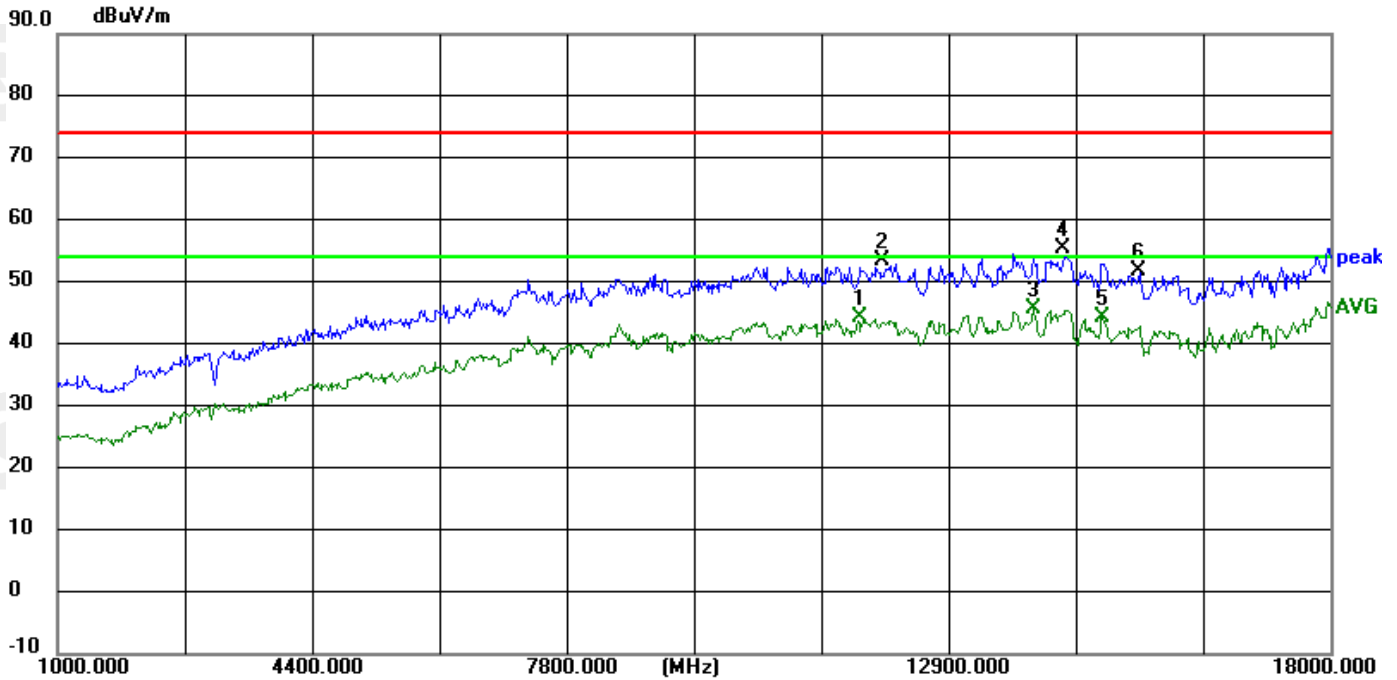
Lowest channel:



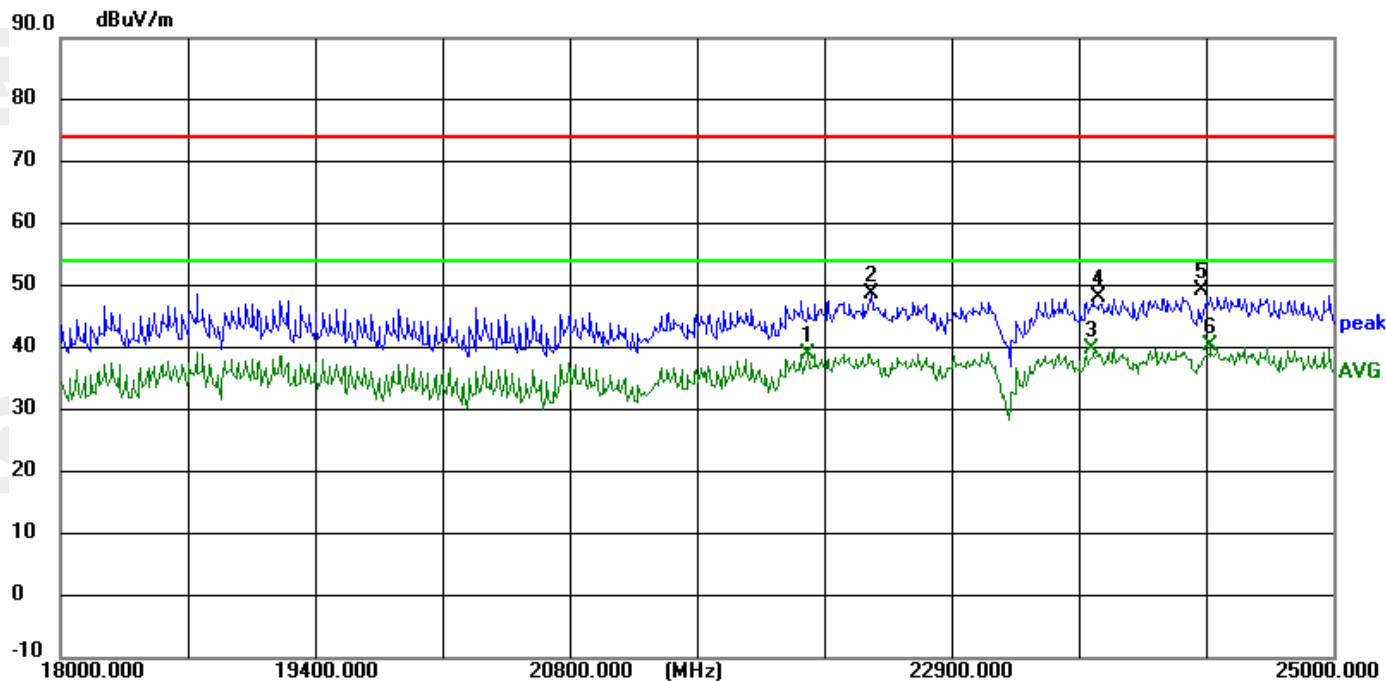
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	12642.875	44.79	-1.62	43.17	54.00	-10.83	AVG	Horizontal
2	12651.375	55.27	-1.60	53.67	74.00	-20.33	peak	Horizontal
3 *	13798.875	43.74	-0.04	43.70	54.00	-10.30	AVG	Horizontal
4	13807.375	55.56	-0.03	55.53	74.00	-18.47	peak	Horizontal
5	16984.250	39.93	1.68	41.61	54.00	-12.39	AVG	Horizontal
6	17043.750	51.06	1.85	52.91	74.00	-21.09	peak	Horizontal



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	22298.000	42.80	-3.14	39.66	54.00	-14.34	AVG	Horizontal
2	22417.000	51.08	-3.20	47.88	74.00	-26.12	peak	Horizontal
3	23712.875	50.15	-1.82	48.33	74.00	-25.67	peak	Horizontal
4	23793.375	41.69	-1.75	39.94	54.00	-14.06	AVG	Horizontal
5 *	24328.000	41.93	-1.29	40.64	54.00	-13.36	AVG	Horizontal
6	24331.500	50.51	-1.28	49.23	74.00	-24.77	peak	Horizontal

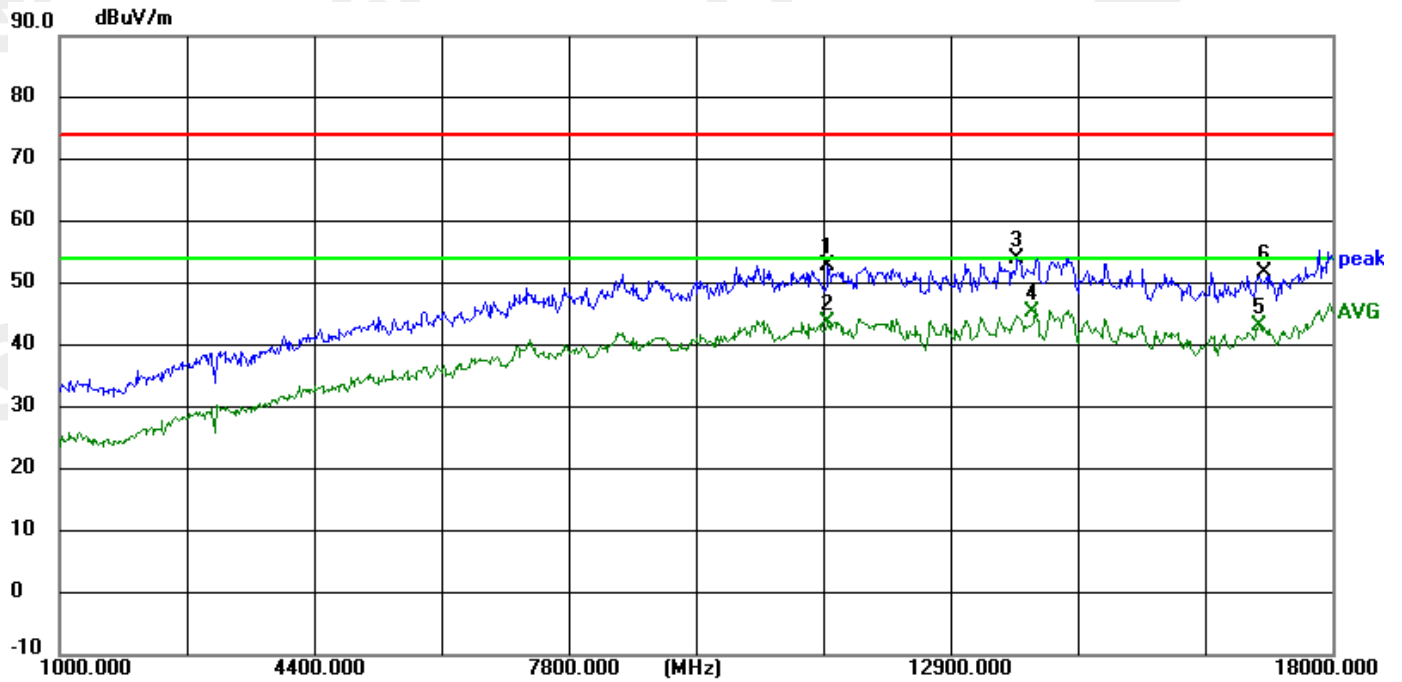


No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	11720.625	46.23	-1.93	44.30	54.00	-9.70	AVG	Vertical
2	12028.750	55.19	-1.78	53.41	74.00	-20.59	peak	Vertical
3 *	14024.125	45.02	0.64	45.66	54.00	-8.34	AVG	Vertical
4	14444.875	54.65	0.87	55.52	74.00	-18.48	peak	Vertical
5	14974.000	43.93	0.40	44.33	54.00	-9.67	AVG	Vertical
6	15447.875	51.33	0.50	51.83	74.00	-22.17	peak	Vertical

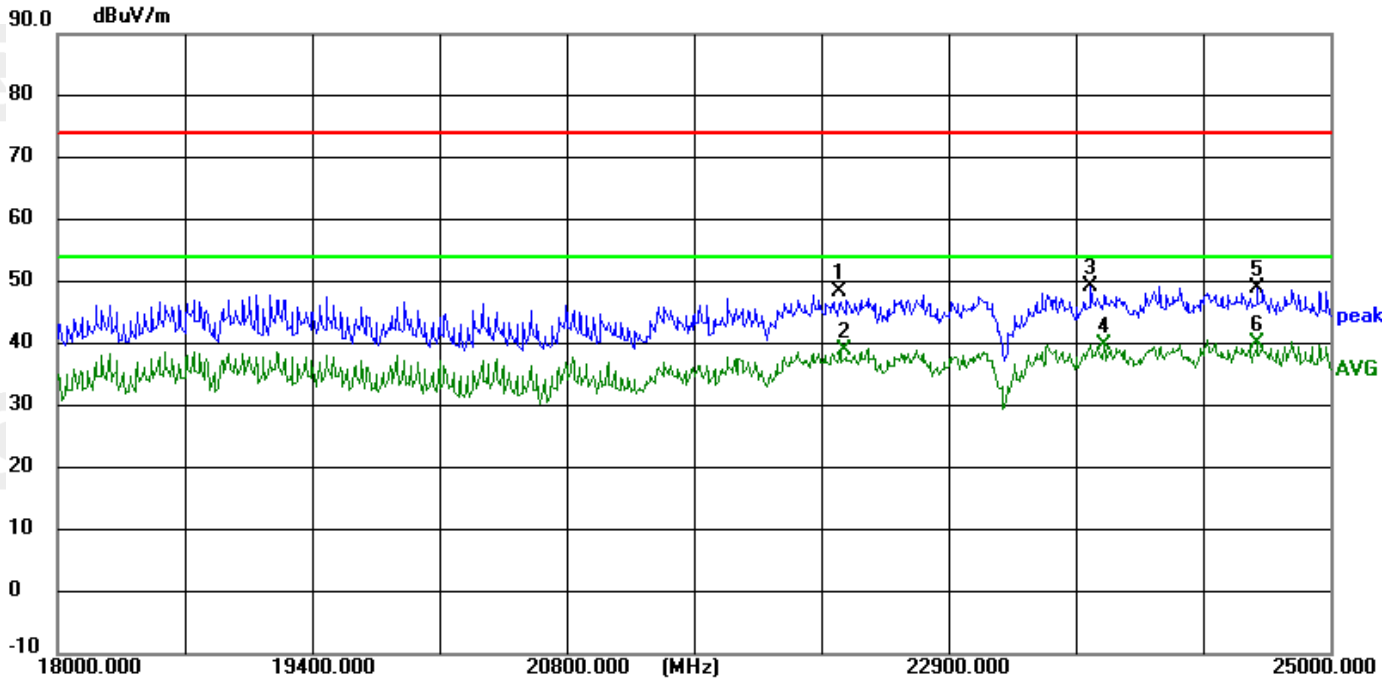


No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	22111.625	42.35	-3.27	39.08	54.00	-14.92	AVG	Vertical
2	22466.000	52.01	-3.21	48.80	74.00	-25.20	peak	Vertical
3	23677.000	41.71	-1.87	39.84	54.00	-14.16	AVG	Vertical
4	23711.125	50.11	-1.81	48.30	74.00	-25.70	peak	Vertical
5	24284.250	50.72	-1.33	49.39	74.00	-24.61	peak	Vertical
6 *	24321.875	41.58	-1.29	40.29	54.00	-13.71	AVG	Vertical

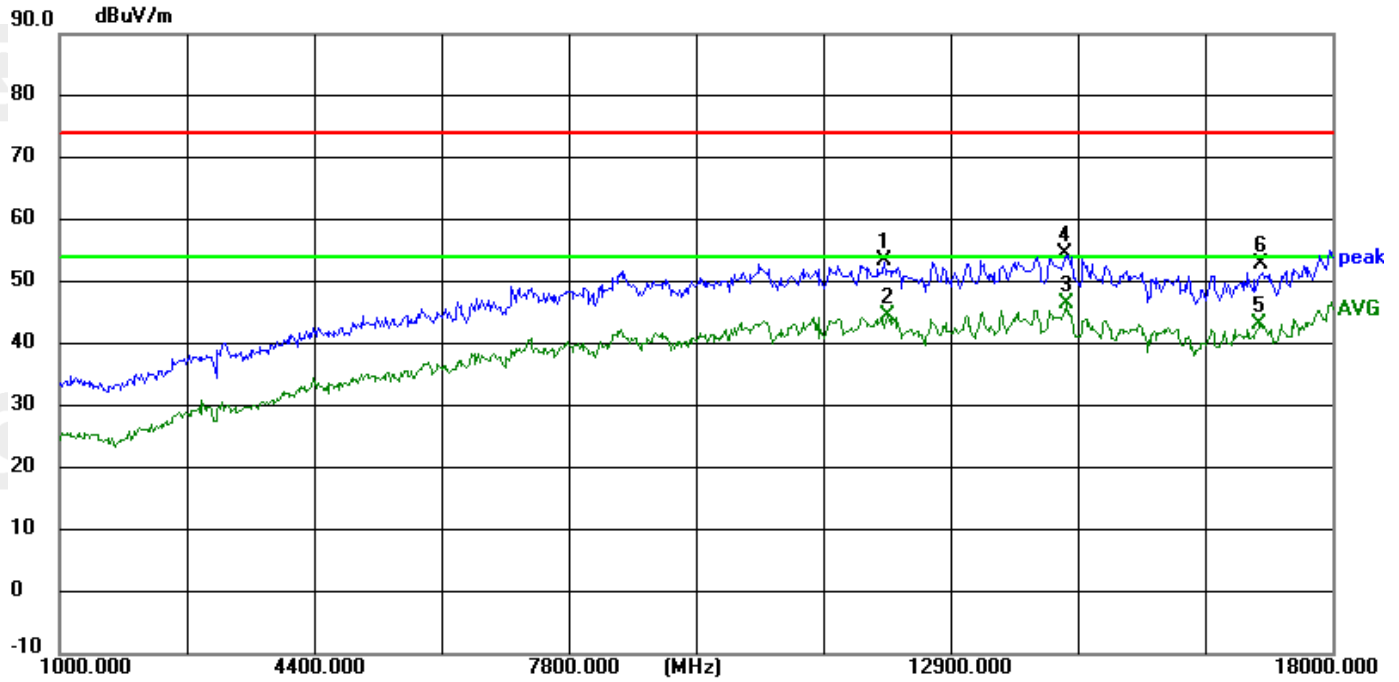
Middle channel:



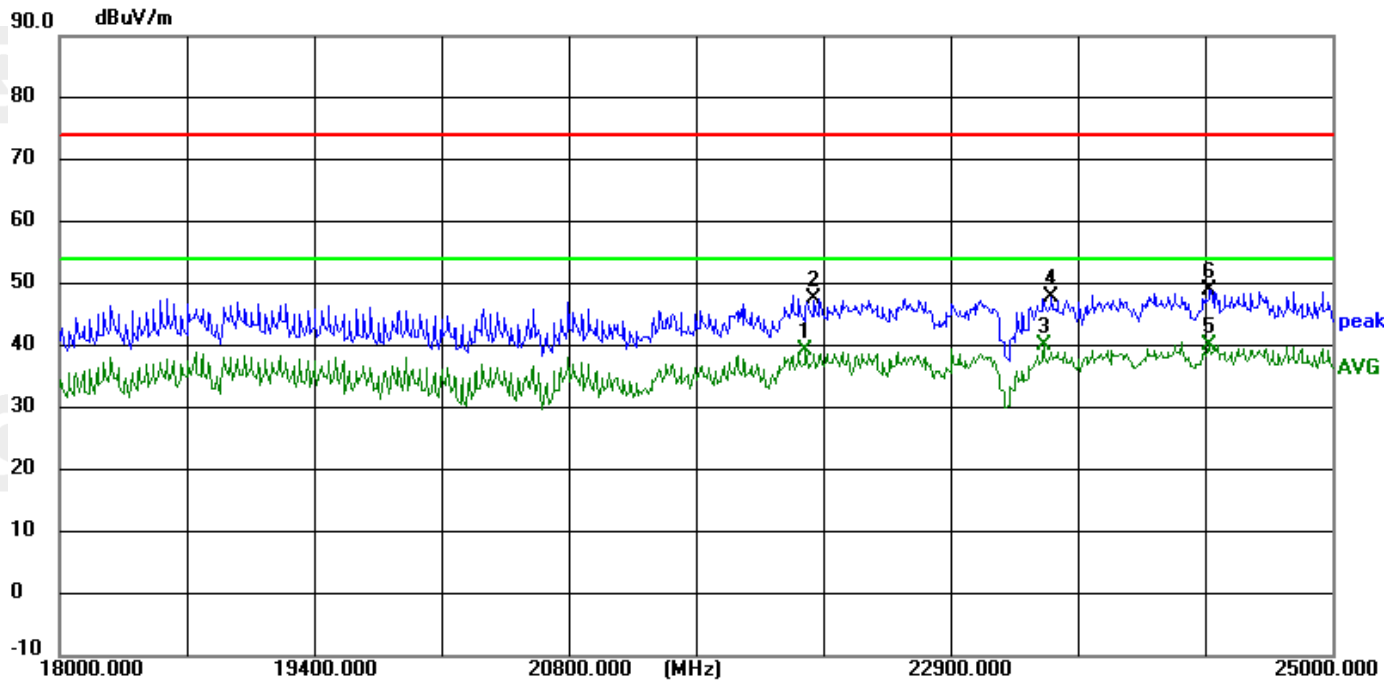
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	11272.250	54.50	-1.51	52.99	74.00	-21.01	peak	Horizontal
2	11272.250	45.39	-1.51	43.88	54.00	-10.12	AVG	Horizontal
3	13790.375	53.98	-0.04	53.94	74.00	-20.06	peak	Horizontal
4 *	14002.875	44.69	0.61	45.30	54.00	-8.70	AVG	Horizontal
5	17018.250	41.30	1.79	43.09	54.00	-10.91	AVG	Horizontal
6	17088.375	49.94	1.98	51.92	74.00	-22.08	peak	Horizontal



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	22303.250	51.63	-3.13	48.50	74.00	-25.50	peak	Horizontal
2	22331.250	42.21	-3.15	39.06	54.00	-14.94	AVG	Horizontal
3	23677.875	51.24	-1.87	49.37	74.00	-24.63	peak	Horizontal
4	23755.750	41.52	-1.76	39.76	54.00	-14.24	AVG	Horizontal
5	24597.500	50.05	-1.11	48.94	74.00	-25.06	peak	Horizontal
6 *	24597.500	41.26	-1.11	40.15	54.00	-13.85	AVG	Horizontal

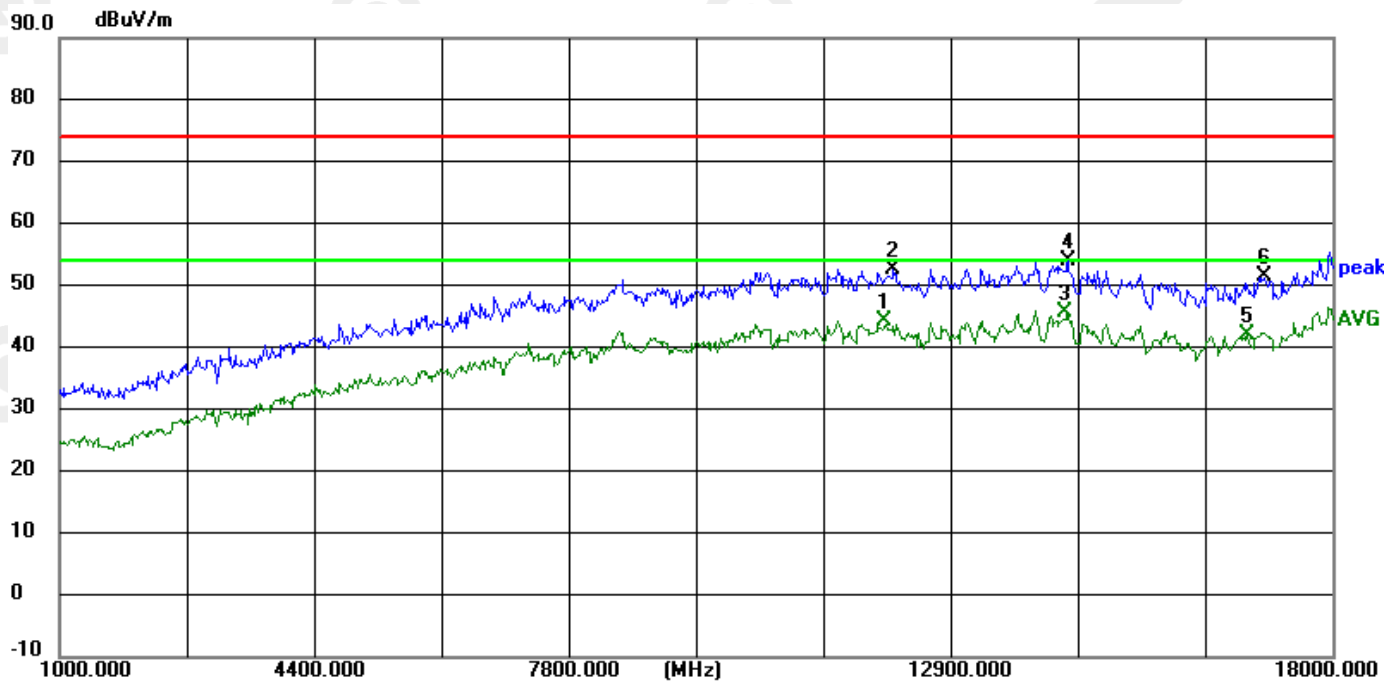


No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	12024.500	55.34	-1.78	53.56	74.00	-20.44	peak	Vertical
2	12058.500	46.22	-1.77	44.45	54.00	-9.55	AVG	Vertical
3 *	14440.625	45.74	0.86	46.60	54.00	-7.40	AVG	Vertical
4	14444.875	53.70	0.87	54.57	74.00	-19.43	peak	Vertical
5	17018.250	41.46	1.79	43.25	54.00	-10.75	AVG	Vertical
6	17054.375	50.94	1.88	52.82	74.00	-21.18	peak	Vertical

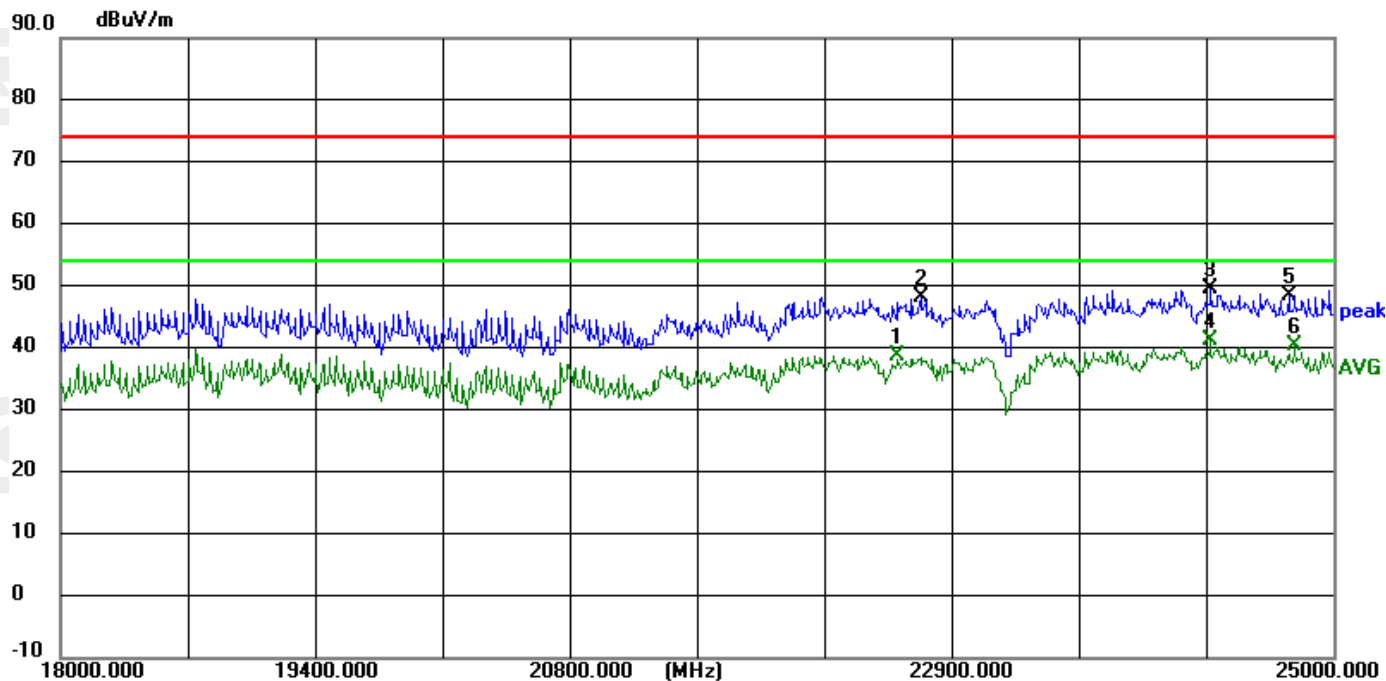


No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	22106.375	42.66	-3.27	39.39	54.00	-14.61	AVG	Vertical
2	22148.375	50.97	-3.22	47.75	74.00	-26.25	peak	Vertical
3	23417.125	42.40	-2.32	40.08	54.00	-13.92	AVG	Vertical
4	23453.000	50.15	-2.23	47.92	74.00	-26.08	peak	Vertical
5 *	24322.750	41.55	-1.29	40.26	54.00	-13.74	AVG	Vertical
6	24331.500	50.44	-1.28	49.16	74.00	-24.84	peak	Vertical

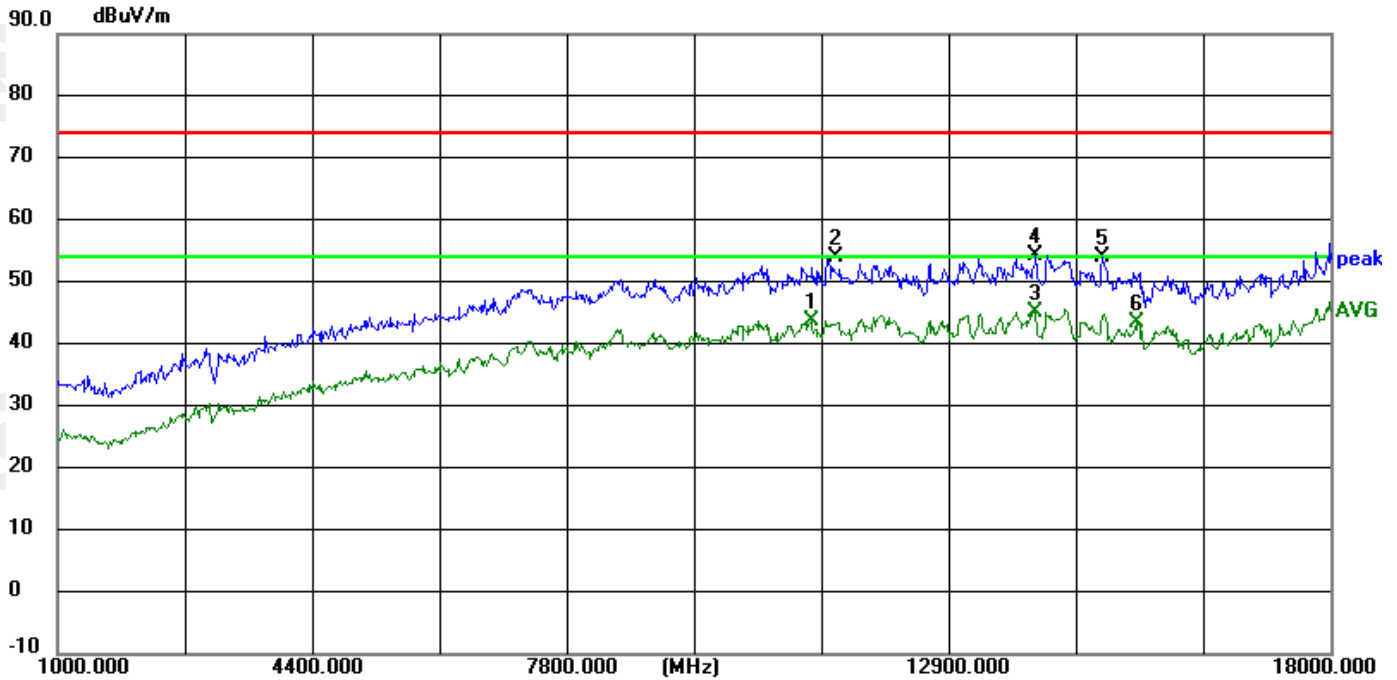
Highest channel:



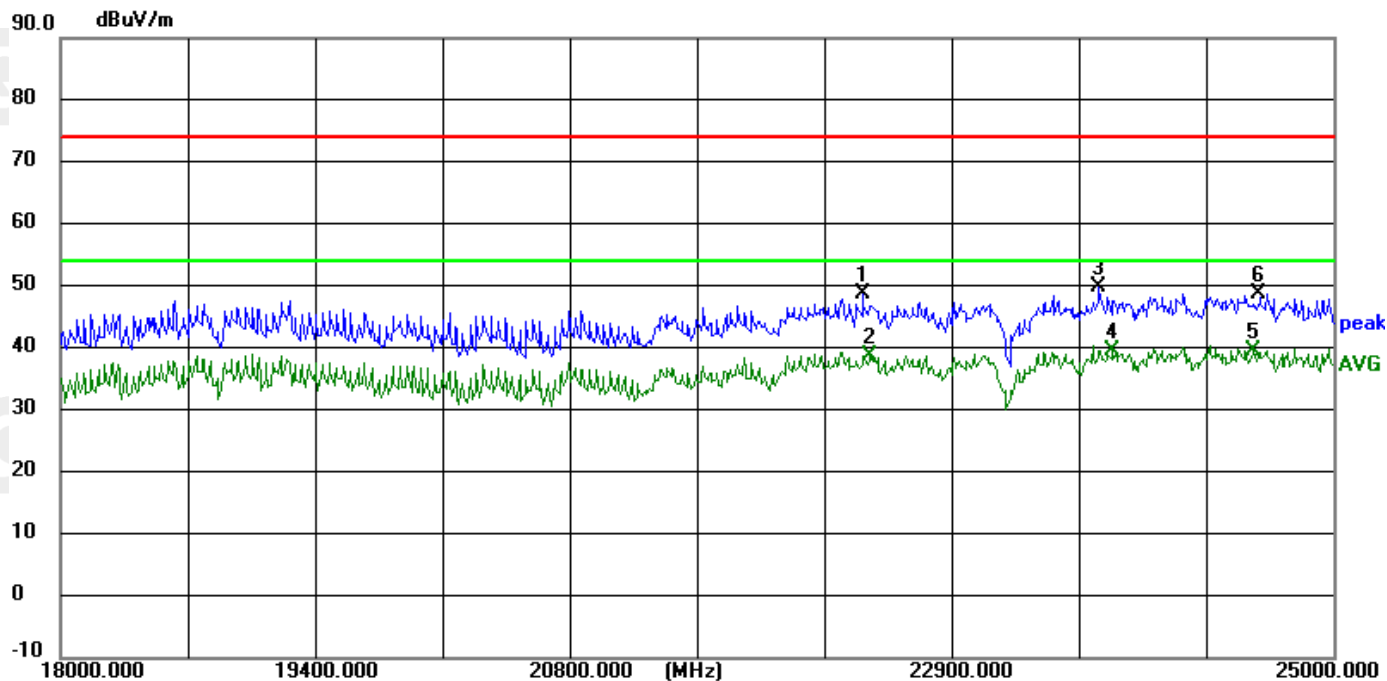
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	12026.625	46.05	-1.77	44.28	54.00	-9.72	AVG	Horizontal
2	12149.875	54.33	-1.82	52.51	74.00	-21.49	peak	Horizontal
3 *	14442.750	44.82	0.86	45.68	54.00	-8.32	AVG	Horizontal
4	14478.875	53.25	0.91	54.16	74.00	-19.84	peak	Horizontal
5	16861.000	40.79	1.34	42.13	54.00	-11.87	AVG	Horizontal
6	17094.750	49.55	1.99	51.54	74.00	-22.46	peak	Horizontal



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	22606.000	42.02	-3.15	38.87	54.00	-15.13	AVG	Horizontal
2	22725.875	51.28	-3.06	48.22	74.00	-25.78	peak	Horizontal
3	24327.125	50.74	-1.29	49.45	74.00	-24.55	peak	Horizontal
4 *	24327.125	42.61	-1.29	41.32	54.00	-12.68	AVG	Horizontal
5	24750.625	49.62	-1.09	48.53	74.00	-25.47	peak	Horizontal
6	24788.250	41.33	-1.05	40.28	54.00	-13.72	AVG	Horizontal



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	11059.750	45.03	-1.33	43.70	54.00	-10.30	AVG	Vertical
2	11395.500	55.67	-1.51	54.16	74.00	-19.84	peak	Vertical
3 *	14041.125	44.61	0.66	45.27	54.00	-8.73	AVG	Vertical
4	14062.375	53.67	0.69	54.36	74.00	-19.64	peak	Vertical
5	14969.750	53.70	0.41	54.11	74.00	-19.89	peak	Vertical
6	15405.375	43.16	0.44	43.60	54.00	-10.40	AVG	Vertical



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	22414.375	52.01	-3.19	48.82	74.00	-25.18	peak	Vertical
2	22455.500	42.03	-3.21	38.82	54.00	-15.18	AVG	Vertical
3	23718.125	51.54	-1.81	49.73	74.00	-24.27	peak	Vertical
4 *	23789.000	41.39	-1.75	39.64	54.00	-14.36	AVG	Vertical
5	24559.000	40.70	-1.12	39.58	54.00	-14.42	AVG	Vertical
6	24594.000	49.97	-1.11	48.86	74.00	-25.14	peak	Vertical

6. Test setup photo

Refer to appendix for details

7. Photo of the EUT

Refer to appendix for details

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