CFR 47 FCC PART 15 SUBPART E

TEST REPORT

For

AXE11000 Tri-Band 10G Wi-Fi 6E Router

MODEL NUMBER: EX1110

REPORT NUMBER: 4790787142-1-RF-2

ISSUE DATE: April 21, 2023

FCC ID: 2AXJ4EX1110

Prepared for

TP-Link Corporation Limited

Room 901, 9/F. , New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hong Kong

Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	April 21, 2023	Initial Issue	

Summary of Test Results

Test Item	Clause	Limit/Requirement	Result
ON TIME AND DUTY CYCLE	ANSI C63.10-2013, Clause 12.2	None; for reporting purposes only.	Pass
6dB AND 26dB EMISSION BANDWIDTH AND 99% OCCUPIED BANDWIDTH	KDB 789033 D02 v02r01 Section C.1	FCC Part 15.407 (a)/(e),	Pass
CONDUCTED OUTPUT POWER	KDB 789033 D02 v02r01 Section E.3.a (Method PM)	FCC 15.407 (a)	Pass
POWER SPECTRAL DENSITY	KDB 789033 D02 v02r01 Section F	FCC 15.407 (a)	Pass
AC Power Line Conducted Emission	ANSI C63.10-2013, Clause 6.2.	FCC 15.207	Pass
Radiated Emissions and Band Edge Measurement	KDB 789033 D02 v02r01 Section G.3, G.4, G.5, and G.6	FCC 15.407 (b) FCC 15.209 FCC 15.205	Pass
FREQUENCY STABILITY	ANSI C63.10-2013, Clause 6.8	FCC 15.407 (g)	Pass
Dynamic Frequency Selection (Slave)	KDB 905462 D03 Client Without DFS New Rules v01r02	FCC Part 15.407 (h),	N/A
Dynamic Frequency Selection (Master)	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02	FCC Part 15.407 (h),	
Antenna Requirement	N/A	FCC 47 CFR Part 15.203/ 15.407(a)(1) (2),	Pass

Note:
1. N/A: In this whole report not applicable.

*This test report is only published to and used by the applicant, and it is not for evidence purpose in China.
*The measurement result for the sample received is <Pass> according to <CFR 47 FCC PART 15 SUBPART E>when <Accuracy Method> decision rule is applied.

CONTENTS

1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name:	TP-Link Corporation Limited
Address:	Room 901, 9/F. , New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hong Kong

Manufacturer Information

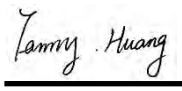
Company Name:	TP-Link Corporation Limited
Address:	Room 901, 9/F. , New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hong Kong

EUT Information

EUT Name:	AXE11000 Tri-Band 10G Wi-Fi 6E Router
Model:	EX1110
Brand:	tp-link
Sample Received Date:	March 23, 2023
Sample Status:	Normal
Sample ID:	5910999
Date of Tested:	March 23, 2023 to April 21, 2023

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
CFR 47 FCC PART 15 SUBPART E	**Pass**

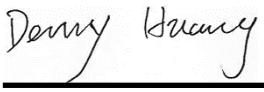
Prepared By:



Fanny Huang

Engineer Project Associate

Checked By:



Denny Huang

Senior Project Engineer

Approved By:

Stephen Guo

Operations Manager

2. TEST METHODOLOGY

All tests were performed in accordance with the standard CFR 47 FCC PART 15 SUBPART E , ANSI C63.10-2013, CFR 47 FCC Part 2, KDB 789033 D02 v02r01, KDB414788 D01 Radiated Test Site v01, KDB 662911 D01 Multiple Transmitter Output v02r01, KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02, KDB 905462 D03 UNII clients without radar detection New Rules v01r02, KDB 905462 D04 Operational Modes for DFS Testing New Rules v01,KDB 905462 D06 802 11 Channel Plans New Rules v02 and KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02.

3. FACILITIES AND ACCREDITATION

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

Note1:
All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of China.

Note2:
The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd.
Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note3:
For below 30 MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30 MHz had been correlated to measurements performed on an OFS.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

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

4.2. MEASUREMENT UNCERTAINTY

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

Test Item	Uncertainty
Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz)	2.2 dB
Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz)	4.00 dB
Radiated Emission (Included Fundamental Emission) (1 GHz to 40 GHz)	5.78 dB (1 GHz ~ 18 GHz)
	5.23 dB (18 GHz ~ 26 GHz)
	5.37 dB (26 GHz ~ 40 GHz)
Duty Cycle	±0.028%
Emission Bandwidth and 99% Occupied Bandwidth	±0.0196%
Maximum Conducted Output Power	±0.766 dB
Maximum Power Spectral Density Level	±1.22 dB
Frequency Stability	±2.76%
Conducted Band-edge Compliance	±1.328 dB
Conducted Unwanted Emissions In Non-restricted Frequency Bands	±0.746 dB (9 kHz ~ 1 GHz)
	±1.328dB (1 GHz ~ 26 GHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	AXE11000 Tri-Band 10G Wi-Fi 6E Router
Model	EX1110
Frequency Range:	5180 MHz to 5240 MHz(U-NII-1) 5260 MHz to 5320 MHz(U-NII-2A) 5500 MHz to 5700 MHz(U-NII-2C) 5745 MHz to 5825 MHz(U-NII-3)
TPC Function:	Support
DFS Operational mode:	Master
Type of Modulation:	IEEE 802.11a: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM(256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax: OFDMA(1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Radio Technology:	IEEE802.11a/n HT20/n HT40/ac VHT20/ac VHT40/ ac VHT80/ac VHT80+80/ax HE20/ax HE40/ax HE80/ax HE80+80
Normal Test Voltage:	DC 12 V via adapter

5.2. CHANNEL LIST

UNII-1 (For Bandwidth=20MHz)		UNII-1 (For Bandwidth=40MHz)		UNII-1 (For Bandwidth=80MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230	/	/
44	5220	/	/	/	/
48	5240	/	/	/	/

UNII-2A (For Bandwidth=20MHz)		UNII-2A (For Bandwidth=40MHz)		UNII-2A (For Bandwidth=80MHz)		UNII1+UNII-2A (For Bandwidth=80+80MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290	42+58	5210+5290
56	5280	62	5310	/	/		
60	5300	/	/	/	/	/	/
64	5320	/	/	/	/	/	/

UNII-2C (For Bandwidth=20MHz)		UNII-2C (For Bandwidth=40MHz)		UNII-2C (For Bandwidth=80MHz)		UNII-2C (For Bandwidth=80+80MHz)	
Channel	Frequency (MHz)	Channel	Channel	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530	106+122	5530+5610
104	5520	110	5550	122	5610		
108	5540	118	5590	138	5690	/	/
112	5560	126	5630	/	/	/	/
116	5580	134	5670	/	/	/	/
120	5600	142	5710	/	/	/	/
124	5620	/	/	/	/	/	/
128	5640	/	/	/	/	/	/
132	5660	/	/	/	/	/	/
136	5680	/	/	/	/	/	/
140	5700	/	/	/	/	/	/
144	5720	/	/	/	/	/	/

UNII-3 (For Bandwidth=20MHz)		UNII-3 (For Bandwidth=40MHz)		UNII-3 (For Bandwidth=80MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795	/	/
157	5785	/	/	/	/
161	5805	/	/	/	/
165	5825	/	/	/	/

5.3. MAXIMUM EIRP

UNII-1 BAND

IEEE Std. 802.11	Frequency (MHz)	Maximum Average Conducted Power (dBm)
a	5150 ~ 5250	26.27
ax HE20		26.47
ax HE40		29.18
ax HE80		27.31
ax HE80+80		22.91

UNII-2A BAND

IEEE Std. 802.11	Frequency (MHz)	Maximum Average Conducted Power (dBm)
a	5250 ~ 5350	20.09
ax HE20		20.84
ax HE40		23.27
ax HE80		21.07
ax HE80+80		22.06

UNII-2C BAND

IEEE Std. 802.11	Frequency (MHz)	Maximum Average Conducted Power (dBm)
a	5470 ~ 5725	20.24
ax HE20		20.79
ax HE40		23.47
ax HE80		21.30
ax HE80+80		23.13

UNII-3 BAND

IEEE Std. 802.11	Frequency (MHz)	Maximum Average Conducted Power (dBm)
a	5725 ~ 5850	29.23
ax HE20		29.21
ax HE40		29.21
ax HE80		29.04

5.4. TEST CHANNEL CONFIGURATION

UNII-1 Test Channel Configuration		
IEEE Std.	Test Channel Number	Frequency
802.11a	CH 36(Low Channel), CH 40(MID Channel), CH 48(High Channel)	5180 MHz, 5200 MHz, 5240 MHz
802.11ax HE20	CH 36(Low Channel), CH 40(MID Channel), CH 48(High Channel)	5180 MHz, 5200 MHz, 5240 MHz
802.11ax HE40	CH 38(Low Channel), CH 46(High Channel)	5190 MHz, 5230 MHz
802.11ax HE80	CH 42(Low Channel)	5210 MHz

UNII-2A Test Channel Configuration		
IEEE Std.	Test Channel Number	Frequency
802.11a	CH 52(Low Channel), CH 56(MID Channel), CH 64(High Channel)	5260 MHz, 5280 MHz, 5320 MHz
802.11ax HE20	CH 52(Low Channel), CH 56(MID Channel), CH 64(High Channel)	5260 MHz, 5280 MHz, 5320 MHz
802.11ax HE40	CH 54(Low Channel), CH 62(High Channel)	5270 MHz, 5310 MHz
802.11ax HE80	CH 58(Low Channel)	5290 MHz

UNII-2C Test Channel Configuration		
IEEE Std.	Test Channel Number	Frequency
802.11a	CH 100(Low Channel), CH 116(MID Channel), CH 140(High Channel)	5500 MHz, 5580 MHz, 5700 MHz
802.11ax HE20	CH 100(Low Channel), CH 116(MID Channel), CH 140(High Channel)	5500 MHz, 5580 MHz, 5700 MHz
802.11ax HE40	CH 102(Low Channel), CH 110(MID Channel), CH 134(High Channel)	5510 MHz, 5550 MHz, 5670 MHz
802.11ax HE80	CH 102(Low Channel), CH 122(High Channel)	5530 MHz, 5610 MHz
802.11ax HE80+80	CH 106+CH122	5530+5610 MHz

UNII-3 Test Channel Configuration		
IEEE Std.	Test Channel Number	Frequency
802.11a	CH 149(Low Channel), CH 157(MID Channel), CH 165(High Channel)	5745 MHz, 5785 MHz, 5825 MHz
802.11ax HE20	CH 149(Low Channel), CH 157(MID Channel), CH 165(High Channel)	5745 MHz, 5785 MHz, 5825 MHz
802.11ax HE40	CH 151(Low Channel), CH 159(High Channel)	5755MHz, 5795MHz
802.11ax HE80	CH 155(Low Channel)	5775 MHz

Straddle Test Channel Configuration		
IEEE Std.	Test Channel Number	Frequency
802.11a	CH 144	5720 MHz
802.11ax HE20	CH 144	5720 MHz
802.11ax HE40	CH 142	5710 MHz
802.11ax HE80	CH 138	5690 MHz
802.11ax HE80+80	CH 42+CH 58	5210+5290 MHz

5.5. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter	
Test Software	QSPR

UNII-1

Mode	Rate	Channel	Soft set value
			ANT 1/2/3/4/9/10/15/16
11a	6M	36	15
		40	15
		48	15
11n HT20	MCS0	36	Cover by 11ax HE20
		40	
		48	
11n HT40	MCS0	38	Cover by 11ax HE40
		46	
11ac VHT20	MCS0	36	Cover by 11ax HE20
		40	
		48	
11ac VHT40	MCS0	38	Cover by 11ax HE40
		46	
11ac VHT80	MCS0	42	Cover by 11ax HE80
11ax HE20	MCS0	36	15.5
		40	15.5
		48	15.5
11ax HE40	MCS0	38	17
		46	18
11ax HE80	MCS0	42	16

UNII-2A

Mode	Rate	Channel	Soft set value
			ANT 1/2/3/4/9/10/15/16
11a	6M	52	9
		56	9
		64	9
11n HT20	MCS0	52	Cover by 11ax HE20
		56	
		64	
11n HT40	MCS0	54	Cover by 11ax HE40
		62	
11ac VHT20	MCS0	52	Cover by 11ax HE20
		56	
		64	
11ac VHT40	MCS0	54	Cover by 11ax HE40
		62	
11ac VHT80	MCS0	58	Cover by 11ax HE80
11ac VHT80+80	MCS0	50	Cover by 11ax HE80+80
11ax HE20	MCS0	52	10
		56	10
		64	10
11ax HE40	MCS0	54	12
		62	12
11ax HE80	MCS0	58	10
11ax HE80+80	MCS0	42+58	14.5

UNII-2C

Mode	Rate	Channel	Soft set value
			ANT 1/2/3/4/9/10/15/16
11a	6M	100	9
		116	9
		140	10
		144	10
11n HT20	MCS0	100	Cover by 11ax HE20
		116	
		140	
		144	
11n HT40	MCS0	102	Cover by 11ax HE40
		118	
		134	
		142	
11ac VHT20	MCS0	100	Cover by 11ax HE20
		116	
		140	
		144	
11ac VHT40	MCS0	102	Cover by 11ax HE40
		118	
		134	
		142	
11ac VHT80	MCS0	106	Cover by 11ax HE80
		122	
		138	
11ac VHT80+80	MCS0	114	Cover by 11ax HE80
11ax HE20	MCS0	100	10
		116	10
		140	10
		144	10
11ax HE40	MCS0	102	12
		118	12
		134	12
		142	12
11ax HE80	MCS0	106	10
		122	10
		138	10
11ax HE80+80	MCS0	106+122	16.5

UNII-3

Mode	Rate	Channel	Soft set value
			ANT 1/2/3/4/9/10/15/16
11a	6M	149	18.5
		157	18.5
		165	18.5
11n HT20	MCS0	149	Cover by 11ax HE20
		157	
		165	
11n HT40	MCS0	151	Cover by 11ax HE40
		159	
11ac VHT20	MCS0	149	Cover by 11ax HE20
		157	
		165	
11ac VHT40	MCS0	151	Cover by 11ax HE40
		159	
11ac VHT80	MCS0	155	Cover by 11ax HE80
11ax HE20	MCS0	149	18.5
		157	18
		165	18
11ax HE40	MCS0	151	19
		159	19
11ax HE80	MCS0	155	18

5.6. WORSE CASE CONFIGURATIONS

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

Test channels referring to section 5.4.
Maximum power setting referring to section 5.5.

Worst case Data Rates declared by the customer:

802.11a 20 CDD mode : 6 Mbps
802.11n HT20 CDD mode : MCS0
802.11n HT40 CDD mode : MCS0
802.11ac VHT20 CDD mode : MCS0
802.11ac VHT40 CDD mode : MCS0
802.11ac VHT80 CDD mode : MCS0
802.11ac VHT80+80 CDD mode : MCS0
802.11ax HE20 CDD mode : MCS0
802.11ax HE40 CDD mode : MCS0
802.11ax HE80 CDD mode : MCS0
802.11ax HE80+80 CDD mode : MCS0

All modes support CDD mode.

802.11n HT20/HT40/ac VHT20/VHT40/VHT80/VHT80+80 and
802.11ax HE20/HE40/HE80/HE80+80 were performed on the worst case (802.11ax HE20/HE40/HE80/HE80+80) mode and only the worst data was recorded in this report.

The EUT has 8 separate antennas which correspond to 16 separate antenna ports. Core 6, Core 8, Core 12 and Core 14 correspond to antenna 6, antenna 8, antenna 12 and antenna 14 respectively and they support WLAN 2.4G. Core 1, Core 2, Core 3, Core 4, Core 9, Core 10, Core 15 and Core 16 correspond to antenna 1, antenna 2, antenna 3, antenna 4, antenna 9, antenna 10, antenna 15 and antenna 16 respectively and they support RLAN 5G. Core 5, Core 7, Core 11 and Core 13 correspond to antenna 5, antenna 7, antenna 11 and antenna 13 respectively and they support RLAN 6G.

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

For UNII-1&UNII-2A&UNII-2C 802.11n/ac/ax 20/40M OBW mode, NSS1 and NSS8 have different power table, Therefore UNII-1&UNII-2A&UNII-2C was tested to both powers for NSS1 and NSS8 mode. For other modes have the same power table.

The EUT not support partial Rus and channel puncturing mode.

Simultaneously Transmission Conditions:

Support Technology		Support (YES/NO)
WLAN (2.4G)	WLAN (5G)	YES

Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.

5.7. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna No.	Frequency Band	Antenna Type	Max Antenna Gain (dBi)
1	5150-5850	Dipole Antenna	1
2	5150-5850	Dipole Antenna	1
3	5150-5850	Dipole Antenna	1
4	5150-5850	Dipole Antenna	1
9	5150-5850	Dipole Antenna	2
10	5150-5850	Dipole Antenna	2
15	5150-5850	Dipole Antenna	2
16	5150-5850	Dipole Antenna	2

The EUT support Cyclic Shift Diversity(CDD) mode.

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

For output power measurements:

For channel widths = 20MHz, N_{SS}=1: Directional gain= G_{ANT} + Array Gain = 5 dBi
For channel widths = 20MHz, N_{SS}=8: Directional gain= G_{ANT} + Array Gain = 2 dBi
For channel widths ≥ 40: Directional gain= G_{ANT} + Array Gain = 2 dBi

G_{ANT}: equal to the gain of the antenna having the highest gain
Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};
Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.
N_{ANT}: number of transmit antennas
N_{SS}: number of spatial streams, The worst case directional gain will occur when N_{SS} = 1 and N_{SS} = 8

For power spectral density (PSD) measurements:

For N_{SS}=1: Directional gain= G_{ANT} + Array Gain = 11.03 dBi
For N_{SS}=8: Directional gain= G_{ANT} + Array Gain = 2 dBi

Array Gain = 10 log(N_{ANT}/N_{SS}) dB.
N_{ANT} : number of transmit antennas
N_{SS} : number of spatial streams, The worst case directional gain will occur when N_{SS} = 1 and N_{SS} = 8

IEE Std. 802.11	Transmit and Receive Mode	Description
802.11a	☒8TX, 8RX	ANT 1, ANT 2, ANT 3, ANT 4, ANT 9, ANT 10, ANT 15 and ANT 16 can be used as transmitting/receiving antenna.
802.11n HT20	☒8TX, 8RX	ANT 1, ANT 2, ANT 3, ANT 4, ANT 9, ANT 10, ANT 15 and ANT 16 can be used as transmitting/receiving antenna.
802.11n HT40	☒8TX, 8RX	ANT 1, ANT 2, ANT 3, ANT 4, ANT 9, ANT 10, ANT 15 and ANT 16 can be used as transmitting/receiving antenna.
802.11ac VHT20	☒8TX, 8RX	ANT 1, ANT 2, ANT 3, ANT 4, ANT 9, ANT 10, ANT 15 and ANT 16 can be used as transmitting/receiving antenna.
802.11ac VHT40	☒8TX, 8RX	ANT 1, ANT 2, ANT 3, ANT 4, ANT 9, ANT 10, ANT 15 and ANT 16 can be used as transmitting/receiving antenna.
802.11ac VHT80	☒8TX, 8RX	ANT 1, ANT 2, ANT 3, ANT 4, ANT 9, ANT 10, ANT 15 and ANT 16 can be used as transmitting/receiving antenna.
802.11ac VHT80+80	☒8TX, 8RX	ANT 1, ANT 2, ANT 3, ANT 4, ANT 9, ANT 10, ANT 15 and ANT 16 can be used as transmitting/receiving antenna.
802.11ax HE20	☒8TX, 8RX	ANT 1, ANT 2, ANT 3, ANT 4, ANT 9, ANT 10, ANT 15 and ANT 16 can be used as transmitting/receiving antenna.
802.11ax HE40	☒8TX, 8RX	ANT 1, ANT 2, ANT 3, ANT 4, ANT 9, ANT 10, ANT 15 and ANT 16 can be used as transmitting/receiving antenna.
802.11ax HE80	☒8TX, 8RX	ANT 1, ANT 2, ANT 3, ANT 4, ANT 9, ANT 10, ANT 15 and ANT 16 can be used as transmitting/receiving antenna.
802.11ax HE80+80	☒8TX, 8RX	ANT 1, ANT 2, ANT 3, ANT 4, ANT 9, ANT 10, ANT 15 and ANT 16 can be used as transmitting/receiving antenna.

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

5.8. SUPPORT UNITS FOR SYSTEM TEST

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remarks
1	Laptop	ThinkPad	X230i	/

I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	LAN1	RJ45	Unshielded	1.0 m	/

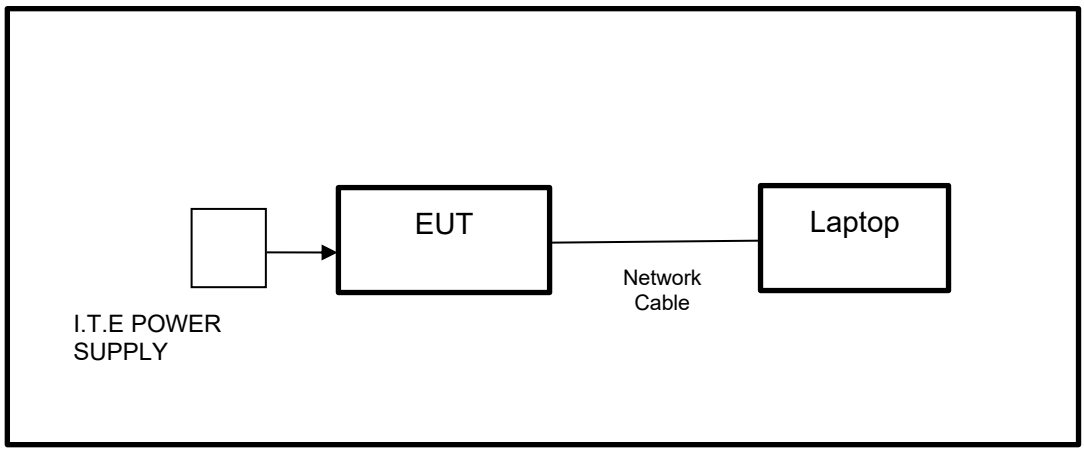
ACCESSORIES

Item	Accessory	Brand Name	Model Name	Description
1	I.T.E POWER SUPPLY	tp-link	T120450-2B4	Input: AC 100-240 V, 50 / 60 Hz, 1.5 A Output: DC 12.0 V, 4.5 A

TEST SETUP

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

SETUP DIAGRAM FOR TESTS



6. MEASURING EQUIPMENT AND SOFTWARE USED

R&S TS 8997 Test System						
Equipment	Manufacturer	Model No.	Serial No.	Upper Last Cal.	Last Cal.	Due. Date
Power sensor, Power Meter	R&S	OSP120	100921	Apr.02,2022	Mar.31,2023	Mar.30,2024
Vector Signal Generator	R&S	SMBV100A	261637	/	Oct.17, 2022	Oct.16, 2023
Signal Generator	R&S	SMB100A	178553	/	Oct.17, 2022	Oct.16, 2023
Signal Analyzer	R&S	FSV40	101118	/	Oct.17, 2022	Oct.16, 2023
Software						
Description	Manufacturer	Name	Version			
For R&S TS 8997 Test System	Rohde & Schwarz	EMC 32	10.60.10			
Tonsend RF Test System						
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date	
Wideband Radio Communication Tester	R&S	CMW500	155523	Oct.17, 2022	Oct.16, 2023	
Wireless Connectivity Tester	R&S	CMW270	1201.0002N75-102	Sep.28, 2022	Sep.27, 2023	
PXA Signal Analyzer	Keysight	N9030A	MY55410512	Oct.17, 2022	Oct.16, 2023	
MXG Vector Signal Generator	Keysight	N5182B	MY56200284	Oct.17, 2022	Oct.16, 2023	
MXG Vector Signal Generator	Keysight	N5172B	MY56200301	Oct.17, 2022	Oct.16, 2023	
DC power supply	Keysight	E3642A	MY55159130	Oct.17, 2022	Oct.16, 2023	
Temperature & Humidity Chamber	SANMOOD	SG-80-CC-2	2088	Oct.17, 2022	Oct.16, 2023	
Software						
Description	Manufacturer	Name	Version			
Tonsend SRD Test System	Tonsend	JS1120-3 RF Test System	3.2.22			

Conducted Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
EMI Test Receiver	R&S	ESR3	101961	Oct.17, 2022	Oct.16, 2023
Two-Line V-Network	R&S	ENV216	101983	Oct.17, 2022	Oct.16, 2023
Artificial Mains Networks	Schwarzbeck	NSLK 8126	8126465	Oct.17, 2022	Oct.16, 2023
Software					
Description			Manufacturer	Name	Version
Test Software for Conducted Emissions			Farad	EZ-EMC	Ver. UL-3A1

Radiated Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Oct.17, 2022	Oct.16, 2023
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130959	Aug.02, 2021	Aug.01, 2024
Preamplifier	HP	8447D	2944A09099	Oct.17, 2022	Oct.16, 2023
EMI Measurement Receiver	R&S	ESR26	101377	Oct.17, 2022	Oct.16, 2023
Horn Antenna	TDK	HRN-0118	130940	July 20, 2021	July 19, 2024
Preamplifier	TDK	PA-02-0118	TRS-305-00067	Oct.17, 2022	Oct.16, 2023
Horn Antenna	Schwarzbeck	BBHA9170	697	July 20, 2021	July 19, 2024
Preamplifier	TDK	PA-02-2	TRS-307-00003	Oct.17, 2022	Oct.16, 2023
Preamplifier	TDK	PA-02-3	TRS-308-00002	Oct.17, 2022	Oct.16, 2023
Loop antenna	Schwarzbeck	1519B	00008	Dec.14, 2021	Dec.13, 2024
Preamplifier	TDK	PA-02-001-3000	TRS-302-00050	Oct.17, 2022	Oct.16, 2023
Preamplifier	Mini-Circuits	ZX60-83LN-S+	SUP01202035	Oct.17, 2022	Oct.16, 2023
High Pass Filter	Wi	WHKX10-2700-3000-18000-40SS	23	/	/
Highpass Filter	Wainwright	WHKX10-5850-6500-1800-40SS	4	/	/
Band Reject Filter	Wainwright	WRCJV12-5695-5725-5850-5880-40SS	4	/	/
Band Reject Filter	Wainwright	WRCJV20-5120-5150-	2	/	/

		5350-5380-60SS			
Band Reject Filter	Wainwright	WRCJV20-5440-5470-5725-5755-60SS	1	/	/
Band Reject Filter	Wainwright	WRCJV8-2350-2400-2483.5-2533.5-40SS	4	/	/
Band Reject Filter	Wainwright	WRCD5-1879-1879.85-1880.15-1881-40SS	1	/	/
Notch Filter	Wainwright	WHJ10-882-980-7000-40SS	1	/	/
Software					
Description			Manufacturer	Name	Version
Test Software for Radiated Emissions			Farad	EZ-EMC	Ver. UL-3A1

Other Instrument					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Temperature humidity probe	OMEGA	ITHX-SD-5	18470007	Oct.22, 2022	Oct.21, 2023
Barometer	Yiyi	Baro	N/A	Oct.24, 2022	Oct.23, 2023
Attenuator	Agilent	8495B	2814a12853	Oct.18, 2022	Oct.17, 2023

7. ANTENNA PORT TEST RESULTS

7.1. ON TIME AND DUTY CYCLE

LIMITS

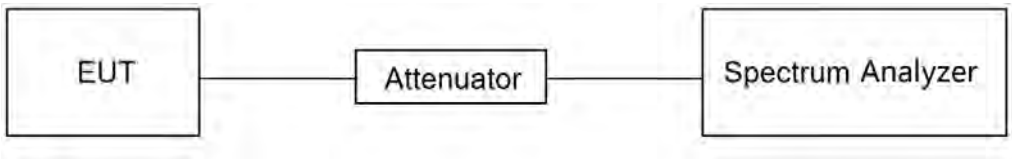
None; for reporting purposes only.

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.B.

The zero-span mode on a spectrum analyzer or EMI receiver, if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission. Set RBW ≥ EBW if possible; otherwise, set RBW to the largest available value. Set VBW ≥ RBW. Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T, where T is defined in II.B.1.a), and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T ≤ 16.7 microseconds.)

TEST SETUP



TEST ENVIRONMENT

Temperature	24.5℃	Relative Humidity	58%
Atmosphere Pressure	101kPa	Test Voltage	DC 12 V

TEST DATE / ENGINEER

Test Date	April 19, 2023	Test By	Walker Yuan

TEST RESULTS

Please refer to section "Test Data" - Appendix G

7.2. 6DB AND 26DB EMISSION BANDWIDTH AND 99% OCCUPIED BANDWIDTH

LIMITS

CFR 47 FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
26 dB Emission Bandwidth	For reporting purposes only.	5150 ~ 5250
26 dB Emission Bandwidth	For reporting purposes only.	5250 ~ 5350
26 dB Emission Bandwidth	For reporting purposes only.	5470 ~ 5725 (For FCC) 5470 ~ 5600 (For ISED) 5650 ~ 5725 (For ISED)
6 dB Emission Bandwidth	The minimum 6 dB emission bandwidth shall be 500 kHz.	5725 ~ 5850
99 % Occupied Bandwidth	For reporting purposes only.	5150 ~ 5825 (For ISED)

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.C1. for 26 dB Emission Bandwidth; section II.C2. for 6 dB Emission Bandwidth; section II.D. for 99 % Occupied Bandwidth.
Connect the EUT to the spectrum analyser and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	For 6 dB Emission Bandwidth: RBW=100 kHz For 26 dB Emission bandwidth: approximately 1 % of the EBW. For 99 % Occupied Bandwidth: approximately 1 % ~ 5 % of the OBW.
VBW	For 6 dB Bandwidth: ≥ 3*RBW For 26 dB Bandwidth: >3*RBW For 99 % Bandwidth: >3*RBW
Trace	Max hold
Sweep	Auto couple

a) Use the 99 % power bandwidth function of the instrument, allow the trace to stabilize and report the measured bandwidth.
b) Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6/26 dB relative to the maximum level measured in the fundamental emission.

Calculation for 99 % Bandwidth of UNII-2C and UNII-3 Straddle Channel:

For Example: Fundamental Frequency: 5720 MHz

99 % OBW: 21.00 MHz

Turning Frequency: 5725 MHz

99 % Bandwidth of UNII-2C Band Portion = (5725-(5720-(21.00/2)) = 15.50 MHz

99 % Bandwidth of UNII-3 Band Portion = (5720+(21.00/2)-5725) = 5.50 MHz

Calculation for 26 dB Bandwidth of UNII-2C Straddle Channel:

For Example: Fundamental frequency: 5720 MHz

26 dB BW: 20.00 MHz

FL: 5710.16 MHz

FH: 5730.16 MHz

Turning Frequency: 5725 MHz

26 dB Bandwidth of UNII-2C Band Portion = 5725-5710.16=14.84 MHz

Calculation for 6dB Bandwidth of UNII-3 Straddle Channel:

For Example: Fundamental frequency: 5720 MHz

6 dB BW: 16.44 MHz

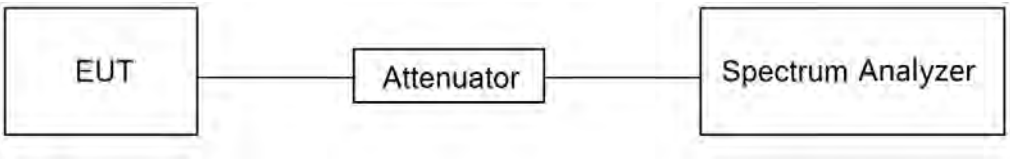
FL: 5711.76 MHz

FH: 5728.2 MHz

Turning Frequency: 5725 MHz

6 dB Bandwidth of UNII-3 band Portion = 5728.2-5725=3.2 MHz

TEST SETUP



TEST ENVIRONMENT

Temperature	24℃	Relative Humidity	58%
Atmosphere Pressure	101kPa	Test Voltage	DC 12 V

TEST DATE / ENGINEER

Test Date	April 19, 2023	Test By	Walker Yuan

TEST RESULTS

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

7.3. CONDUCTED OUTPUT POWER

LIMITS

CFR 47 FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	☐ Outdoor Access Point: 1 W (30 dBm) ☐ Indoor Access Point: 1 W (30 dBm) ☐ Fixed Point-To-Point Access Points: 1 W (30 dBm) ☒ Client Devices: 250 mW (24 dBm)	5150 ~ 5250
	Shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.	5250 ~ 5350 5470 ~ 5725
	Shall not exceed 1 Watt (30 dBm).	5725 ~ 5850

Note:
The above limits are based upon the maximum antenna gain does not exceed 6 dBi.
If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.E.

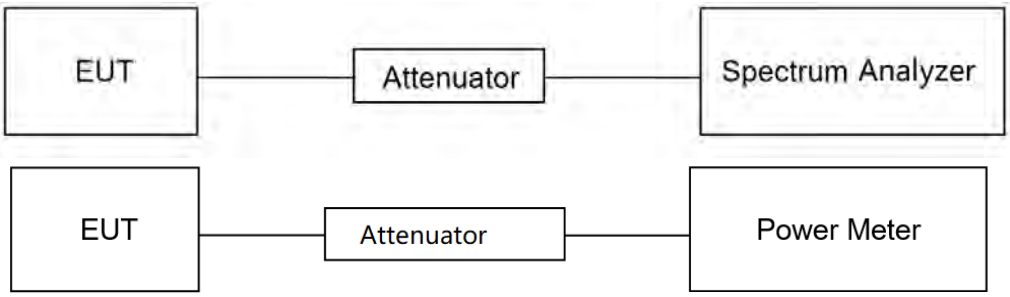
Method SA-2 (trace averaging across ON and OFF times of the EUT transmissions, followed by duty cycle correction.):
(a) Measure the duty cycle D of the transmitter output signal.
(b) Set span to encompass the entire 26 dB EBW or 99% OBW of the signal.
(c) Set RBW = 1 MHz.
(d) Set VBW ≥ 3 MHz.
(e) Number of points in sweep ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
(f) Sweep time = auto.
(g) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
(h) Do not use sweep triggering. Allow the sweep to “free run.”
(i) Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed such that the average accurately represents the true average over the ON and OFF periods of the transmitter.
j) Compute power by integrating the spectrum across the 26 dB EBW or 99% OBW of the signal using the instrument’s band power measurement function with band limits set equal to the EBW or OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in power units) at 1 MHz intervals extending across the 26 dB EBW or 99% OBW of the spectrum.
k) Add [10 log (1 / D)], where D is the duty cycle, to the measured power to compute the average power during the actual transmission times (because the measurement represents an average over both the ON and OFF times of the transmission). For example, add [10 log (1 / 0.25)] = 6 dB if the duty cycle is 25%.

Method PM (Measurement using an RF average power meter):

(i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the following conditions are satisfied:
a. The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
b. At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
c. The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
(ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in II.B.
(iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
(iv) Adjust the measurement in dBm by adding 10 log (1/x) where x is the duty cycle (e.g., 10 log (1/0.25) if the duty cycle is 25 %).

Note: Method SA-2 was used for straddle channel output power test, and Method PM was used for testing rest channels

TEST SETUP



TEST ENVIRONMENT

Temperature	24℃	Relative Humidity	58%
Atmosphere Pressure	101kPa	Test Voltage	DC 12 V

TEST DATE / ENGINEER

Test Date	April 19, 2023	Test By	Walker Yuan

TEST RESULTS

Please refer to section "Test Data" - Appendix D

7.4. POWER SPECTRAL DENSITY

LIMITS

CFR 47 FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	☐ Outdoor Access Point: 17 dBm/MHz ☐ Indoor Access Point: 17 dBm/MHz ☐ Fixed Point-To-Point Access Points: 17 dBm/MHz ☒ Client Devices: 11 dBm/MHz	5150 ~ 5250
	11 dBm/MHz	5250 ~ 5350 5470 ~ 5725
	30 dBm/500kHz	5725 ~ 5850

Note:
The above limits are based upon the maximum antenna gain does not exceed 6 dBi.
If transmitting antennas of directional gain greater than 6 dBi are used, maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.F.

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

For U-NII-1, U-NII-2A and U-NII-2C band:

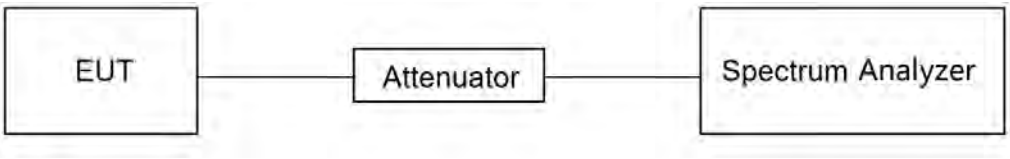
Center Frequency	The center frequency of the channel under test
Detector	RMS
RBW	1 MHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

For U-NII-3:

Center Frequency	The center frequency of the channel under test
Detector	RMS
RBW	500 kHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

Allow trace to fully stabilize and Use the peak search function on the instrument to find the peak of the spectrum and record its value.
Add 10 log (1/x), where x is the duty cycle, to the peak of the spectrum, the result is the Maximum PSD over 1 MHz / 500 kHz reference bandwidth.

TEST SETUP



TEST ENVIRONMENT

Temperature	24℃	Relative Humidity	58%
Atmosphere Pressure	101kPa	Test Voltage	DC 12 V

TEST DATE / ENGINEER

Test Date	April 19, 2023	Test By	Walker Yuan

TEST RESULTS

Please refer to section "Test Data" - Appendix E

7.5. FREQUENCY STABILITY

LIMITS

The frequency of the carrier signal shall be maintained within band of operation.

TEST PROCEDURE

1. The EUT was placed inside an environmental chamber as the temperature in the chamber was varied between 0 °C ~ 40 °C (declared by customer).

2. The temperature was incremented by 10 °C intervals and the unit allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded.

3. The primary supply voltage is varied from 85 % to 115 % of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

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

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	10 kHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

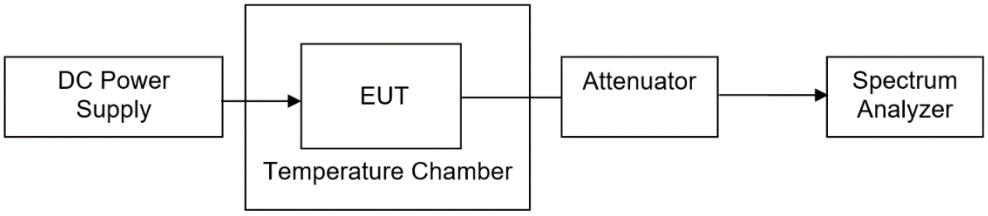
4. While maintaining a constant temperature inside the environmental chamber, turn the EUT on and record the operating frequency at startup, and at 2 minutes, 5minutes, and 10 minutes after the EUT is energized.

5. Allow the trace to stabilize, find the peak value of the power envelope and record the frequency, then calculated the frequency drift.

TEST ENVIRONMENT

	Normal Test Conditions	Extreme Test Conditions
Relative Humidity	20 % - 75 %	/
Atmospheric Pressure	100 kPa ~102 kPa	/
Temperature	T_N (Normal Temperature): 25.1 °C	T_L (Low Temperature): 0 °C
		T_H (High Temperature): 40 °C
Supply Voltage	V_N (Normal Voltage): DC 12 V	V_L (Low Voltage): AC 102 V
		V_H (High Voltage): AC 138 V

TEST SETUP



TEST ENVIRONMENT

Temperature	24℃	Relative Humidity	58%
Atmosphere Pressure	101kPa		

TEST DATE / ENGINEER

Test Date	April 19, 2023	Test By	Walker Yuan

TEST RESULTS

Please refer to section "Test Data" - Appendix F

8. RADIATED TEST RESULTS

LIMITS

Refer to CFR 47 FCC §15.205, §15.209 and §15.407 (b).

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

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

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

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

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

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

Limits of unwanted/undesirable emission out of the restricted bands refer to CFR 47 FCC §15.407 (b) and ISED RSS-247 6.2.

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1GHz)		
Frequency Range (MHz)	EIRP Limit	Field Strength Limit (dBuV/m) at 3 m
5150~5250 MHz	PK: -27 (dBm/MHz)	PK:68.2(dBμV/m)
5250~5350 MHz		
5470~5725 MHz		
5725~5850 MHz	PK: -27 (dBm/MHz) *1 PK: 10 (dBm/MHz) *2 PK: 15.6 (dBm/MHz) *3 PK: 27 (dBm/MHz) *4	PK: 68.2(dBμV/m) *1 PK: 105.2 (dBμV/m) *2 PK: 110.8(dBμV/m) *3 PK: 122.2 (dBμV/m) *4
Note: *1 beyond 75 MHz or more above of the band edge. *2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. *3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. *4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.		

TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyser

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

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.4.

2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 80 cm above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.

5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.

6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak and average detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak and average detector and reported.

7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.

8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω. For example, the measurement frequency X KHz resulted in a level of Y dBuV/m, which is equivalent to Y-51.5 = Z dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.

Below 1 GHz and above 30 MHz

The setting of the spectrum analyser

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

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.5.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 80 cm above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

Above 1 GHz

The setting of the spectrum analyser

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

1. The testing follows the guidelines in KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.G.3 ~ II.G.6.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

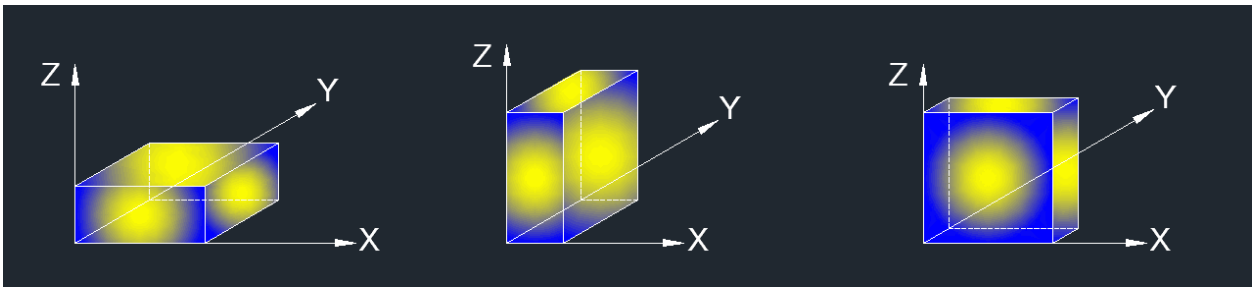
3. The EUT was placed on a turntable with 1.5 m above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.

6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.1.ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

Note 2: The EUT was fully exercised with external accessories during the test. In the case of multiple accessory external ports, an external accessory shall be connected to one of each type of port.

For Band edge:
Note:
1. Measurement = Reading Level + Correct Factor.
2. If the Peak values are less than the Average limit of 54 dBuV/m, the Average result is deemed to comply with Average limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.1.
6. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
7. Horizontal and Vertical have been tested, only the worst data was recorded in the report.
8. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

For Radiate Spurious emission 1GHz-7GHz:
Note:
1. Measurement = Reading Level + Correct Factor.
2. If the Peak values are less than the Average limit of 54 dBuV/m, the Average result is deemed to comply with Average limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.1.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.
9. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

For Radiate Spurious emission 7GHz-18GHz:
Note:
1. Measurement = Reading Level + Correct Factor.
2. If the Peak values are less than the Average limit of 54 dBuV/m, the Average result is deemed to comply with Average limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.1.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.
9. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

For Radiate Spurious emission 9kHz-30MHz:
Note:
1. Measurement = Reading Level + Correct Factor
2. If the Peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
4. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

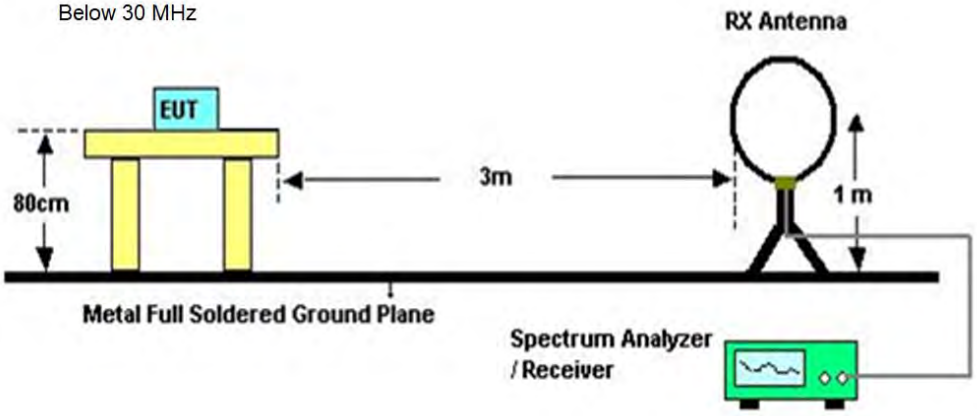
For Radiate Spurious emission 18GHz-26GHz:
Note:
1. Measurement = Reading Level + Correct Factor.
2. If the Peak values are less than the Average limit of 54 dBuV/m, the Average result is deemed to comply with Average limit.
3. Peak: Peak detector.
4. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

For Radiate Spurious emission 26GHz-40GHz:
Note:
1. Measurement = Reading Level + Correct Factor.
2. If the Peak values are less than the Average limit of 54 dBuV/m, the Average result is deemed to comply with Average limit.
3. Peak: Peak detector.
4. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

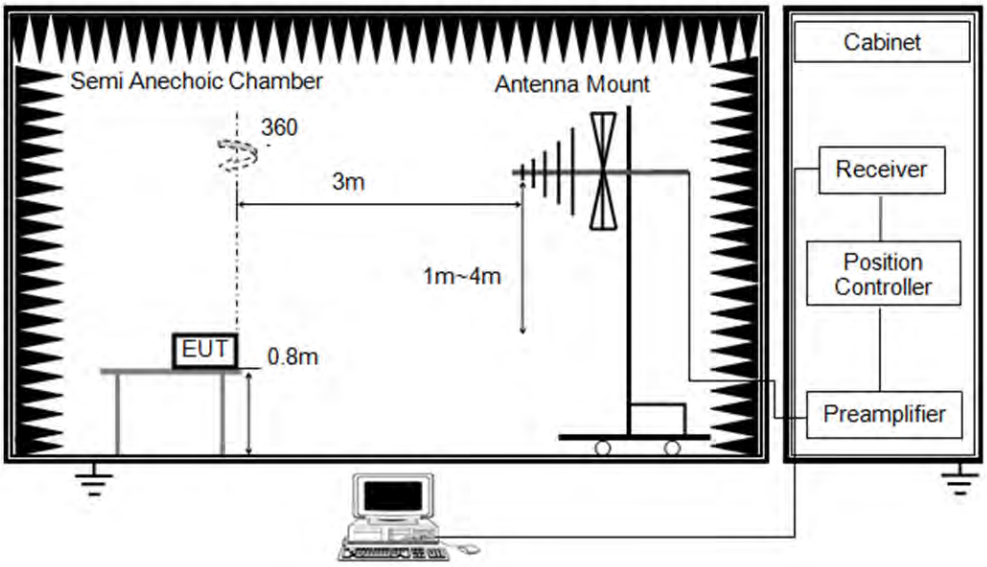
For Radiate Spurious emission 30MHz-1GHz:
Note:
1. Result Level = Read Level + Correct Factor.
2. If the Peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.
4. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

TEST SETUP

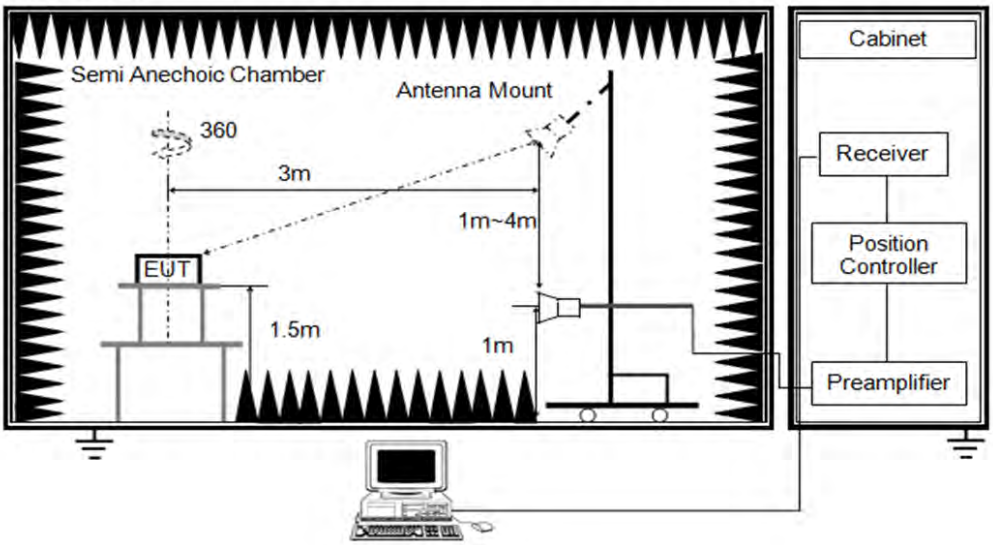
Below 30 MHz



Below 1 GHz and above 30 MHz



Above 1 GHz



TEST ENVIRONMENT

Temperature	25.3℃	Relative Humidity	62%
Atmosphere Pressure	101kPa	Test Voltage	DC 12 V

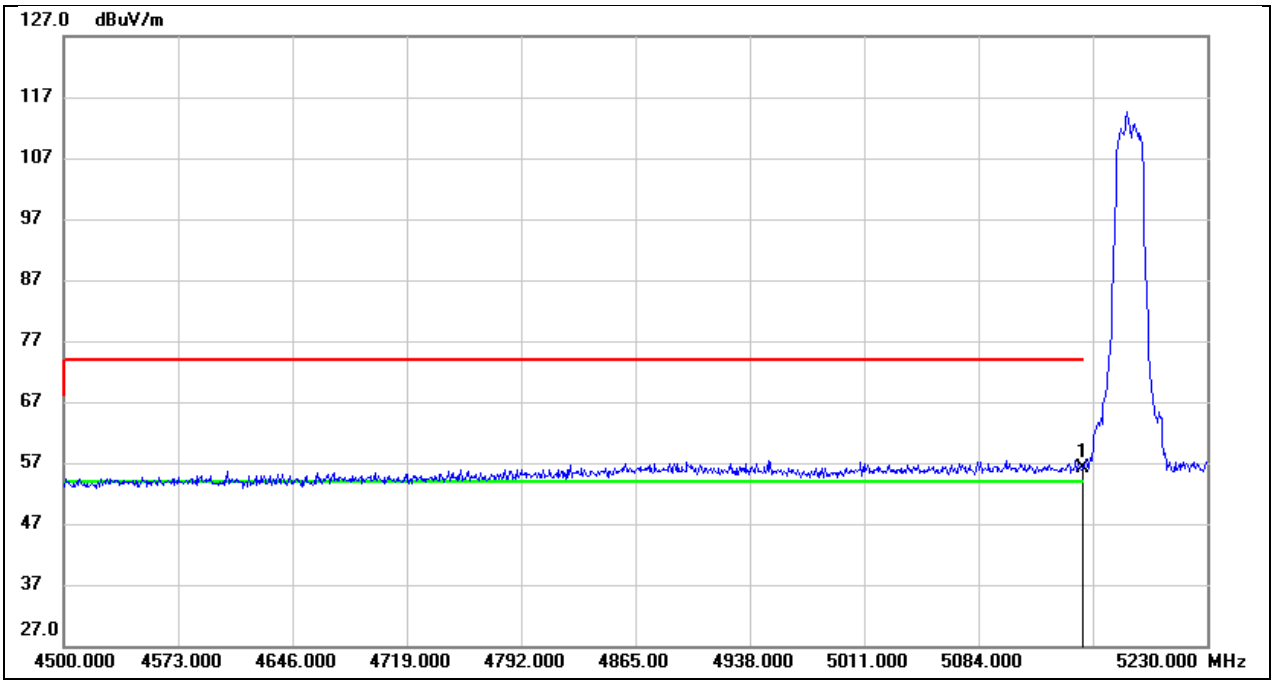
TEST DATE / ENGINEER

Test Date	April 18, 2023	Test By	Rex Huang

TEST RESULTS

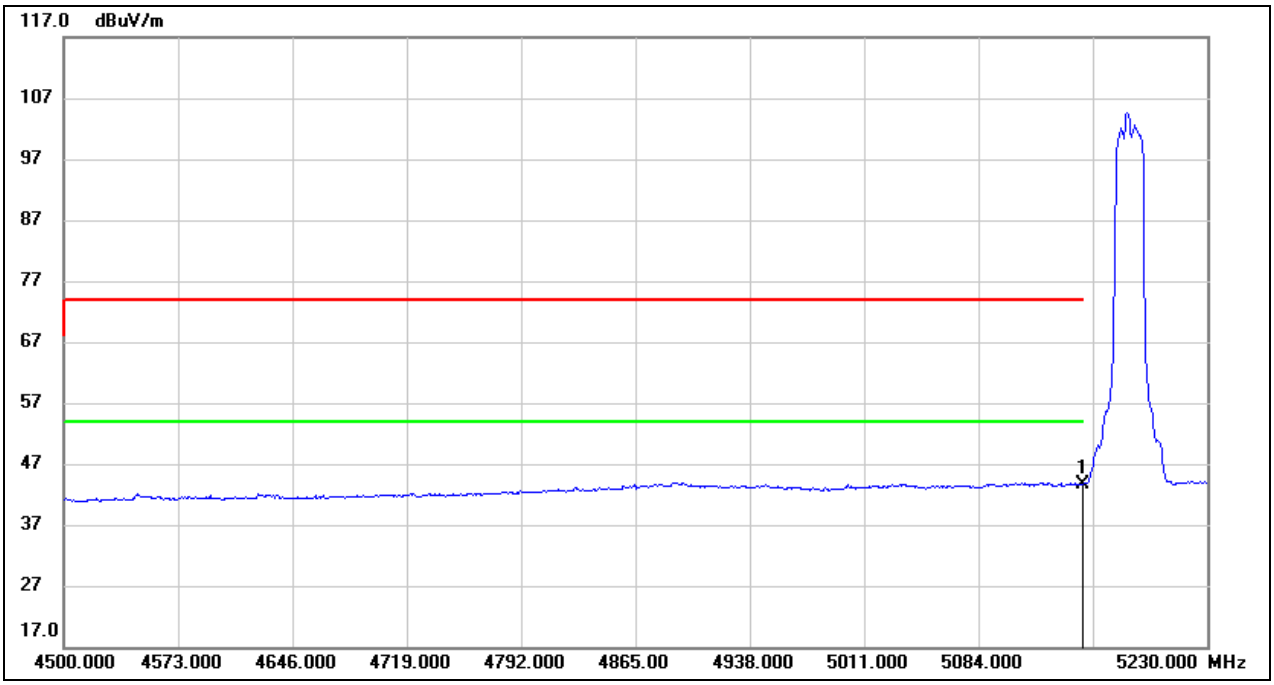
8.1. RESTRICTED BANDEDGE

Test Mode:	802.11a 20 PK	Channel:	5180
Polarity:	Vertical	Test Voltage:	DC 12 V



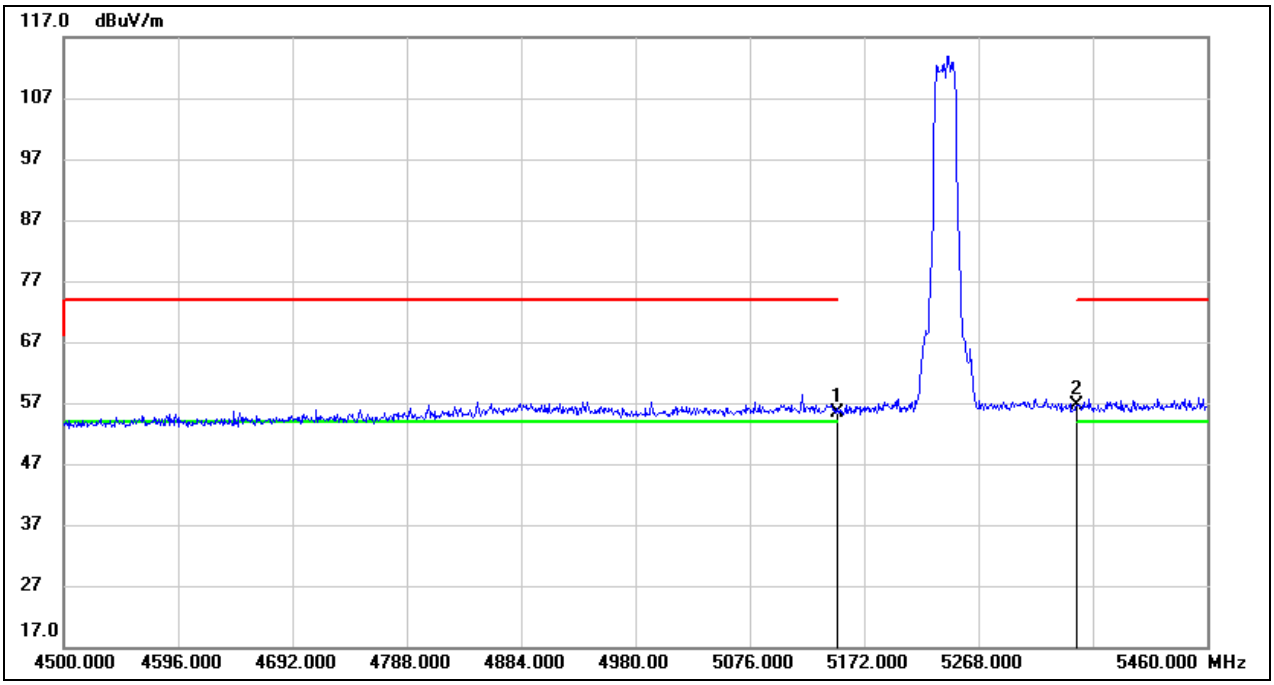
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	15.79	40.27	56.06	74.00	-17.94	peak

Test Mode:	802.11a 20 AV	Channel:	5180
Polarity:	Vertical	Test Voltage:	DC 12 V



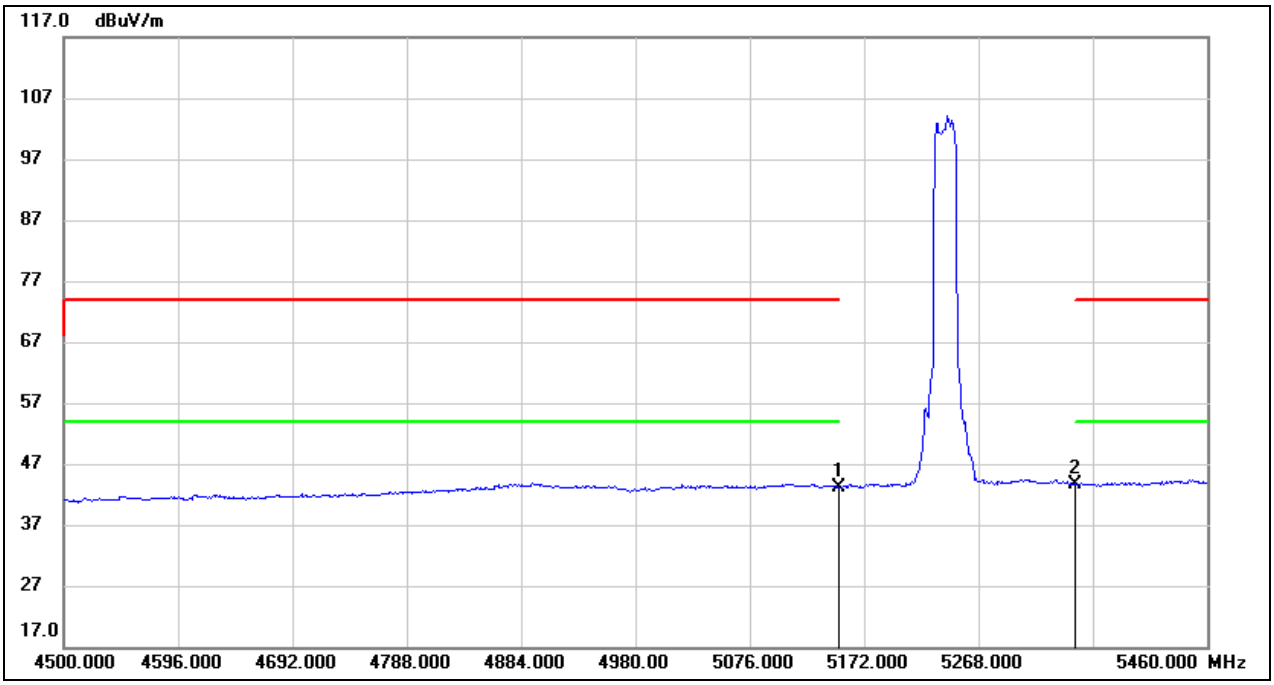
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	3.48	40.27	43.75	54.00	-10.25	AVG

Test Mode:	802.11a 20 PK	Channel:	5240
Polarity:	Vertical	Test Voltage:	DC 12 V



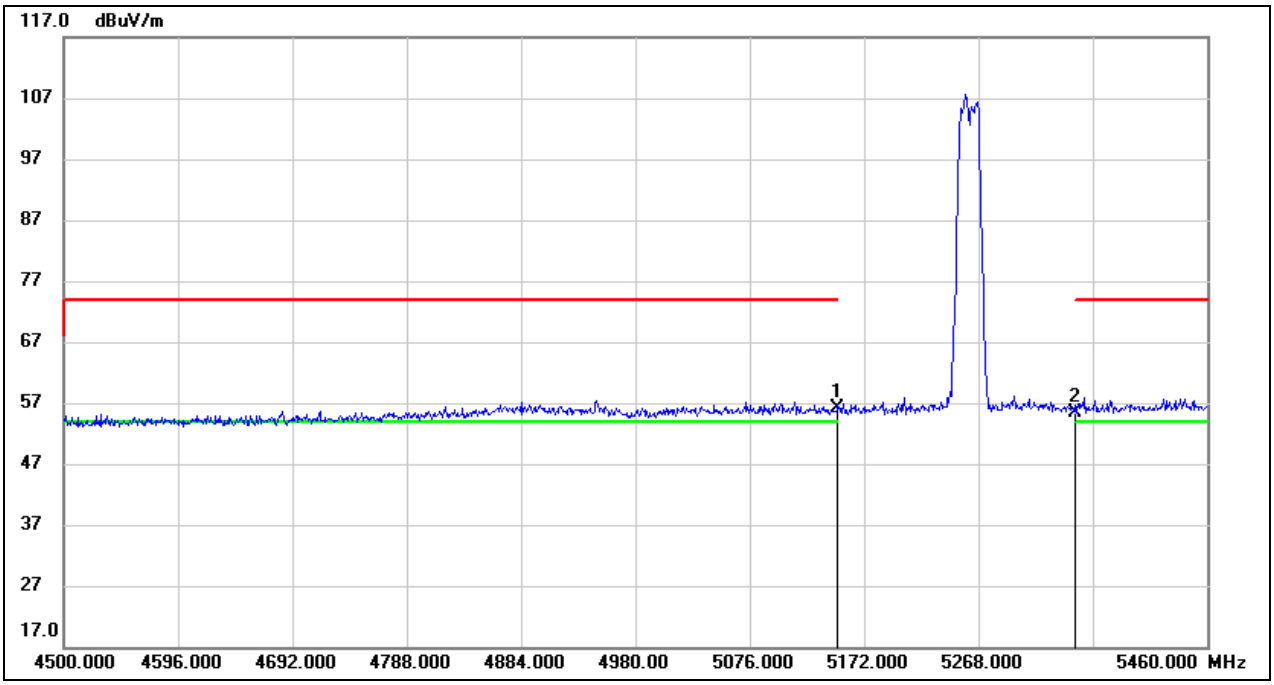
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	15.14	40.27	55.41	74.00	-18.59	peak
2	5350.000	16.15	40.49	56.64	74.00	-17.36	peak

Test Mode:	802.11a 20 AV	Channel:	5240
Polarity:	Vertical	Test Voltage:	DC 12 V



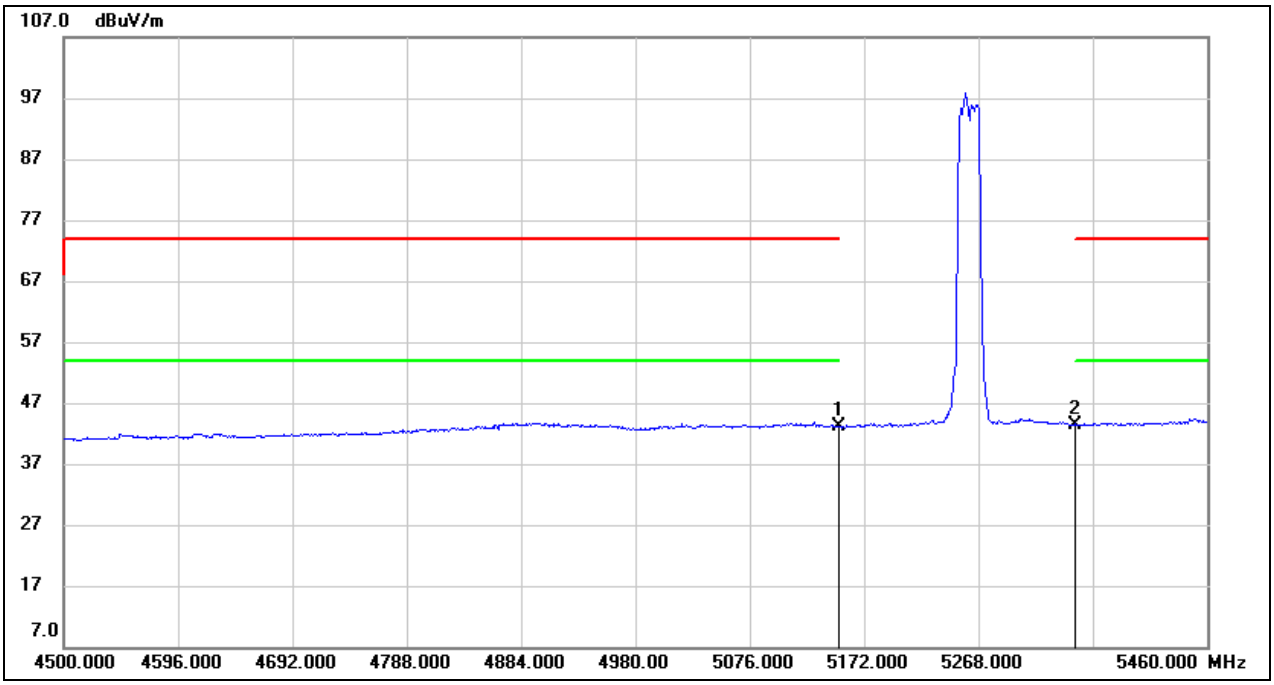
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	2.98	40.27	43.25	54.00	-10.75	AVG
2	5350.000	3.13	40.49	43.62	54.00	-10.38	AVG

Test Mode:	802.11a 20 PK	Channel:	5260
Polarity:	Vertical	Test Voltage:	DC 12 V



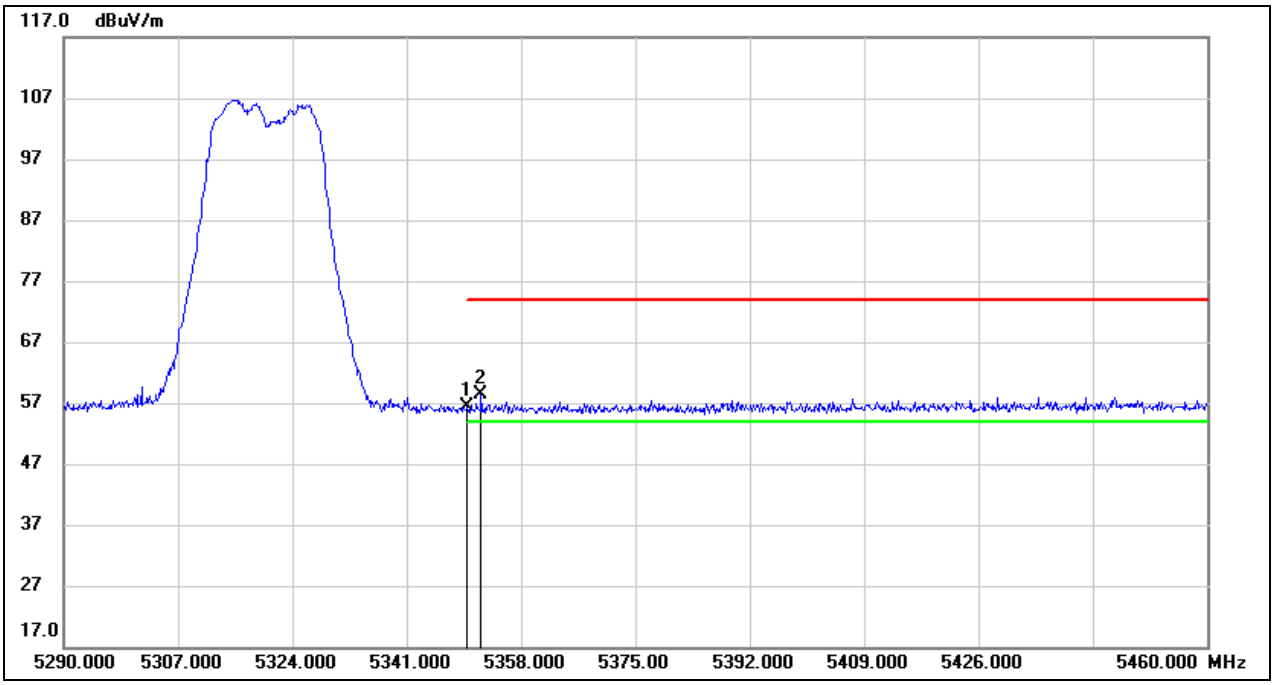
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	15.75	40.27	56.02	74.00	-17.98	peak
2	5350.000	14.88	40.49	55.37	74.00	-18.63	peak

Test Mode:	802.11a 20 AV	Channel:	5260
Polarity:	Vertical	Test Voltage:	DC 12 V



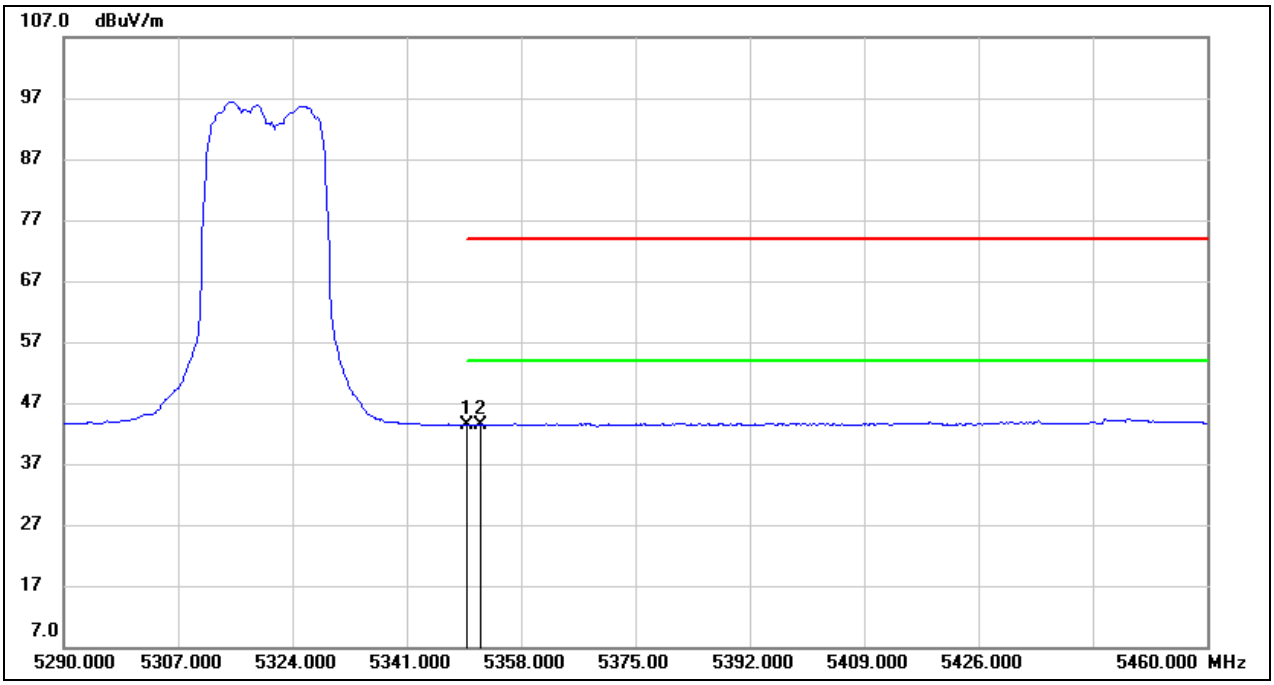
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	2.86	40.27	43.13	54.00	-10.87	AVG
2	5350.000	2.89	40.49	43.38	54.00	-10.62	AVG

Test Mode:	802.11a 20 PK	Channel:	5320
Polarity:	Vertical	Test Voltage:	DC 12 V



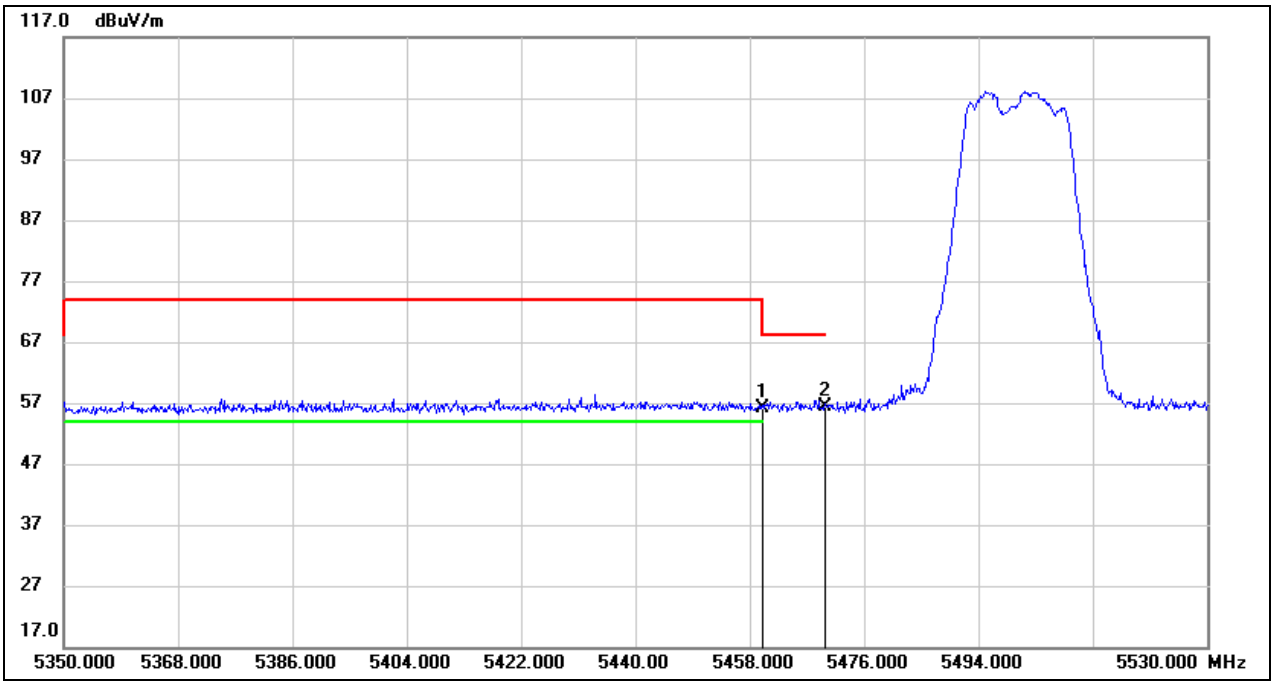
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	15.91	40.49	56.40	74.00	-17.60	peak
2	5352.050	17.98	40.49	58.47	74.00	-15.53	peak

Test Mode:	802.11a 20 AV	Channel:	5320
Polarity:	Vertical	Test Voltage:	DC 12 V



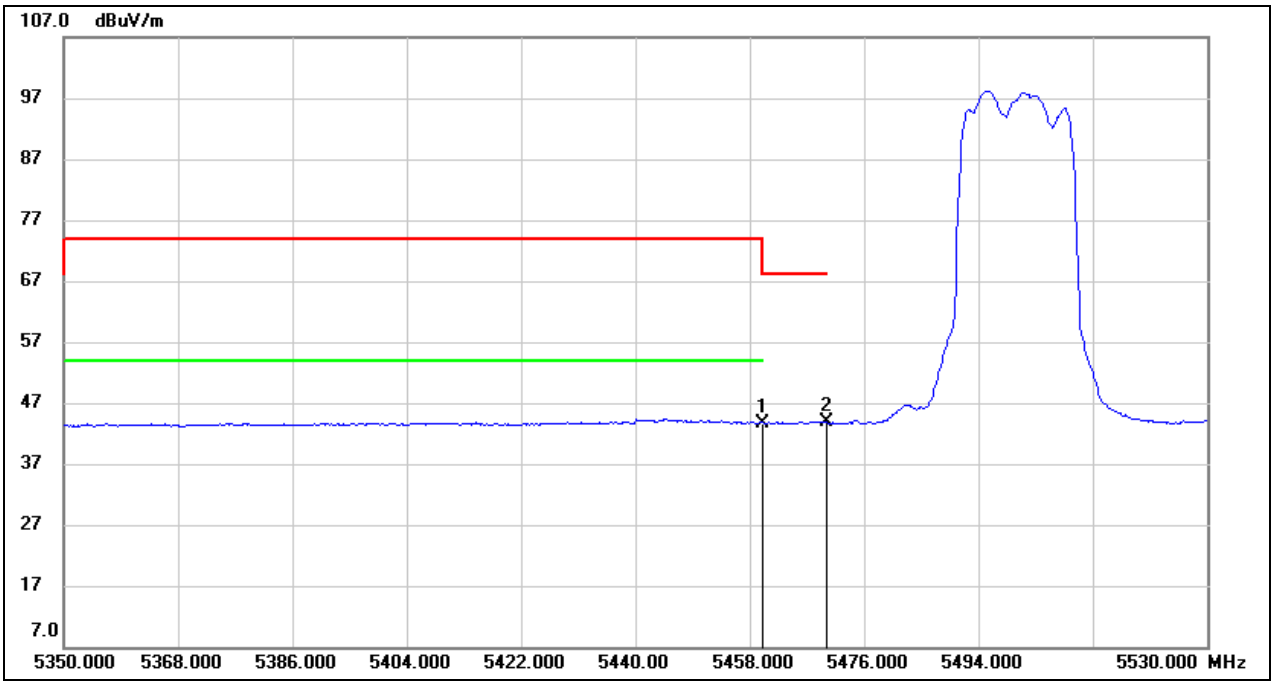
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	2.91	40.49	43.40	54.00	-10.60	AVG
2	5352.050	2.99	40.49	43.48	54.00	-10.52	AVG

Test Mode:	802.11a 20 PK	Channel:	5500
Polarity:	Vertical	Test Voltage:	DC 12 V



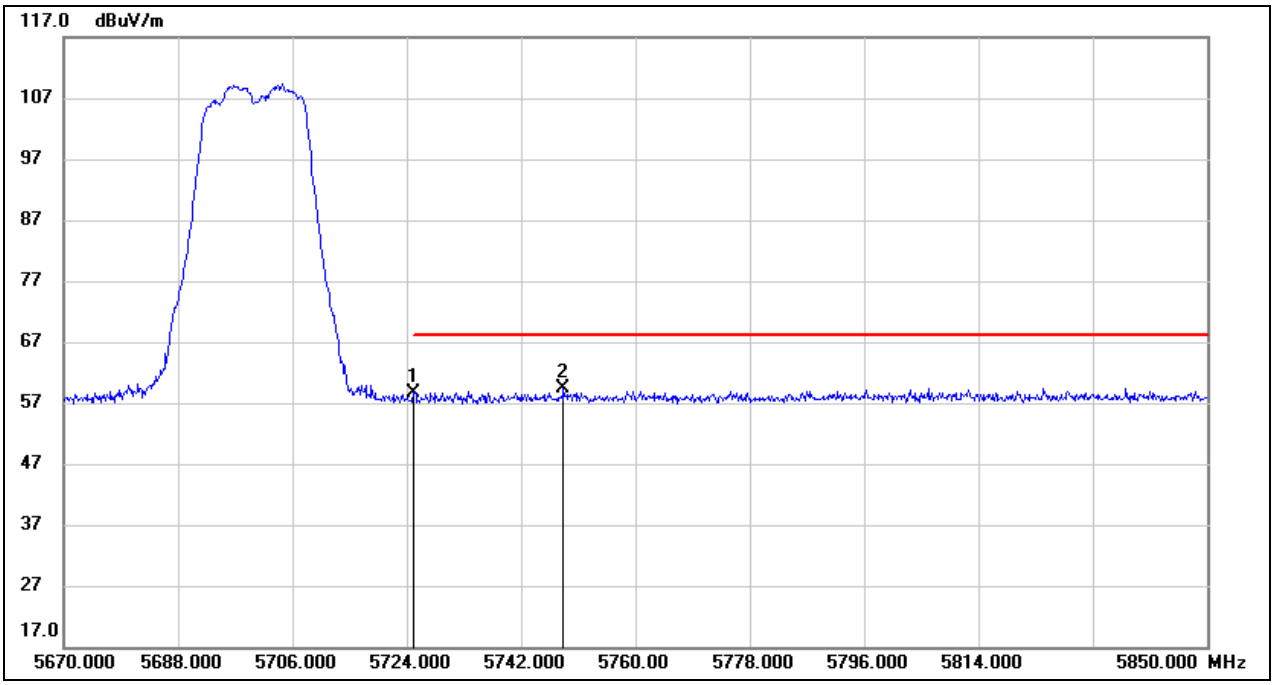
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5460.000	15.57	40.62	56.19	74.00	-17.81	peak
2	5470.000	15.71	40.63	56.34	68.20	-11.86	peak

Test Mode:	802.11a 20 AV	Channel:	5500
Polarity:	Vertical	Test Voltage:	DC 12 V



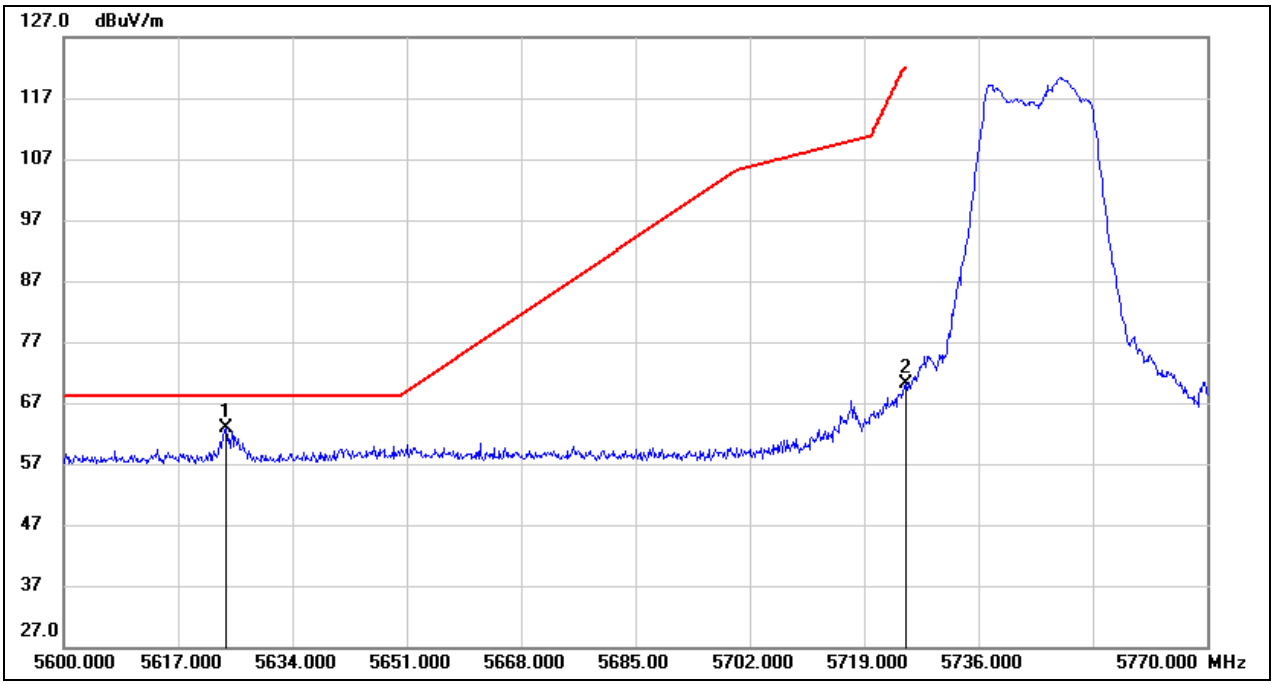
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5460.000	3.12	40.62	43.74	54.00	-10.26	AVG
2	5470.000	3.26	40.63	43.89	/	/	AVG

Test Mode:	802.11a 20 PK	Channel:	5700
Polarity:	Vertical	Test Voltage:	DC 12 V



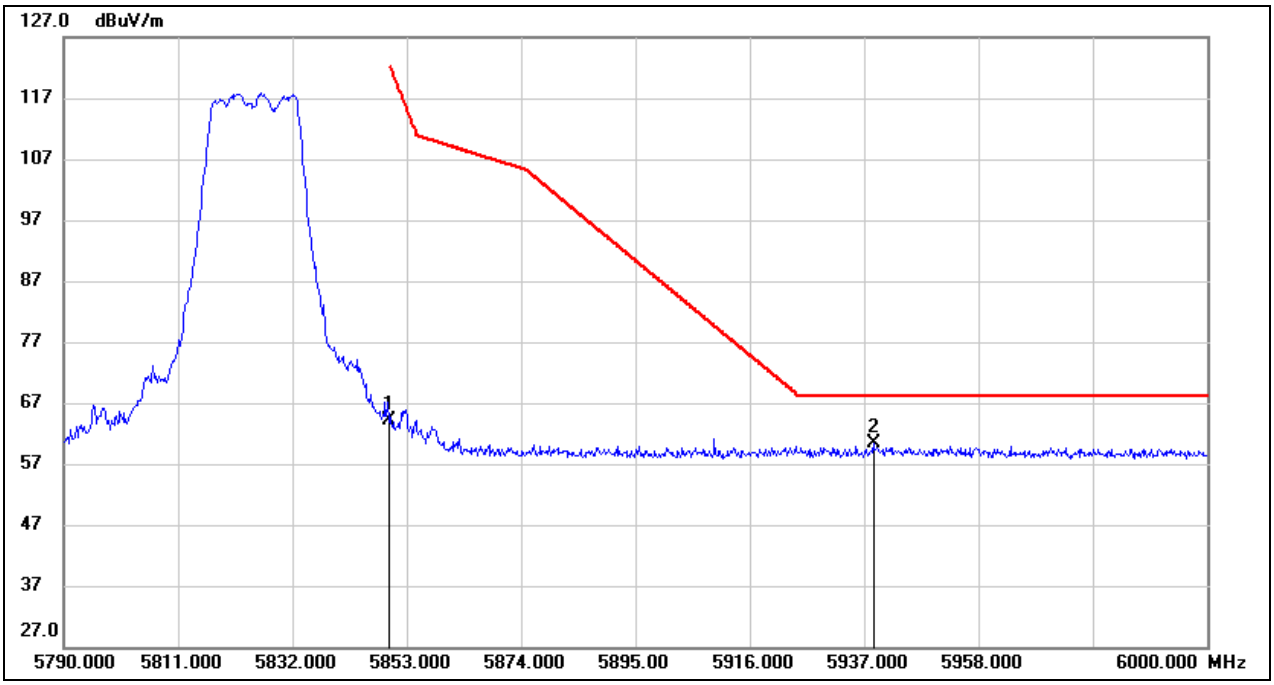
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	17.44	41.27	58.71	68.20	-9.49	peak
2	5748.660	18.16	41.33	59.49	68.20	-8.71	peak

Test Mode:	802.11a 20 PK	Channel:	5745
Polarity:	Vertical	Test Voltage:	DC 12 V



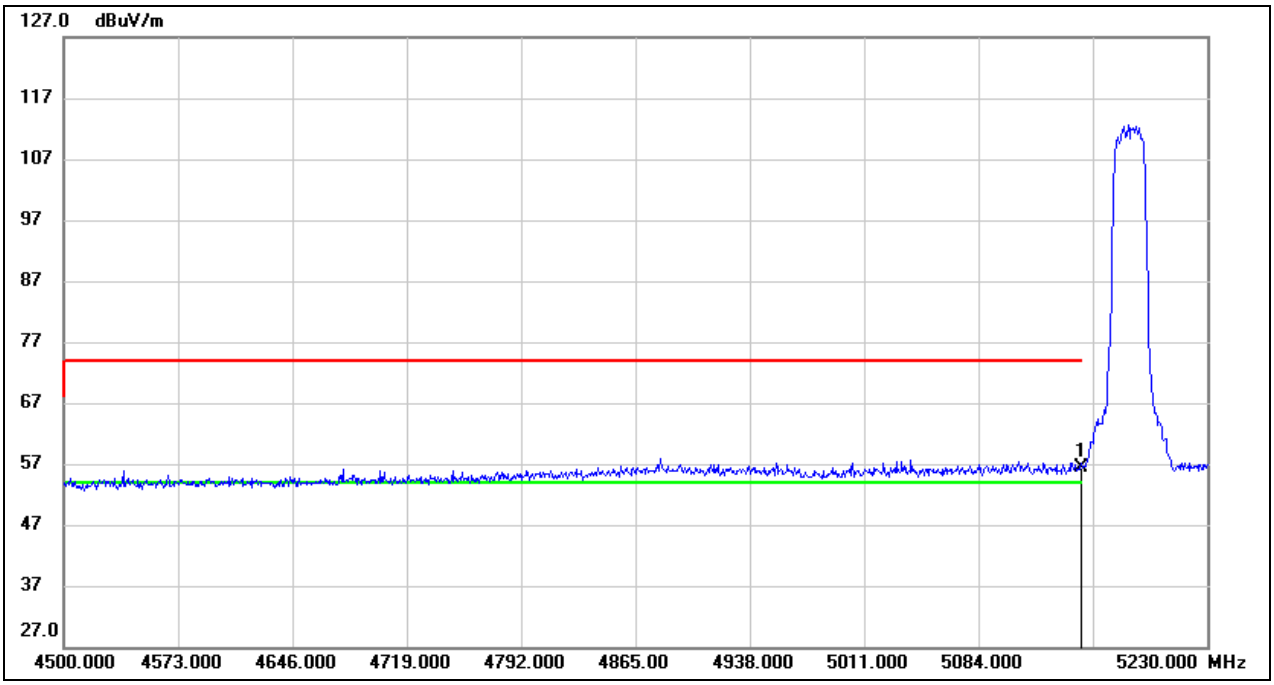
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5624.140	21.83	40.99	62.82	68.20	-5.38	peak
2	5725.000	28.84	41.27	70.11	122.20	-52.09	peak

Test Mode:	802.11a 20 PK	Channel:	5825
Polarity:	Vertical	Test Voltage:	DC 12 V



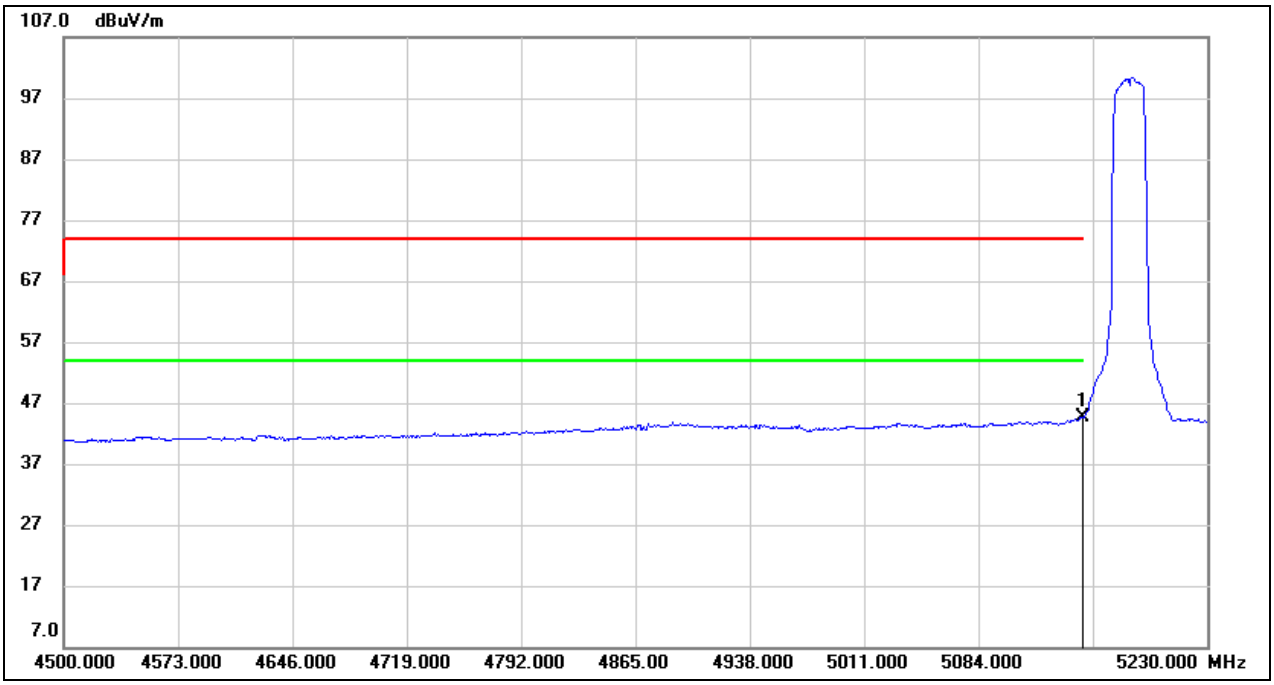
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	22.51	41.60	64.11	122.20	-58.09	peak
2	5938.680	18.52	41.84	60.36	68.20	-7.84	peak

Test Mode:	802.11ax HE20 PK	Channel:	5180
Polarity:	Vertical	Test Voltage:	DC 12 V



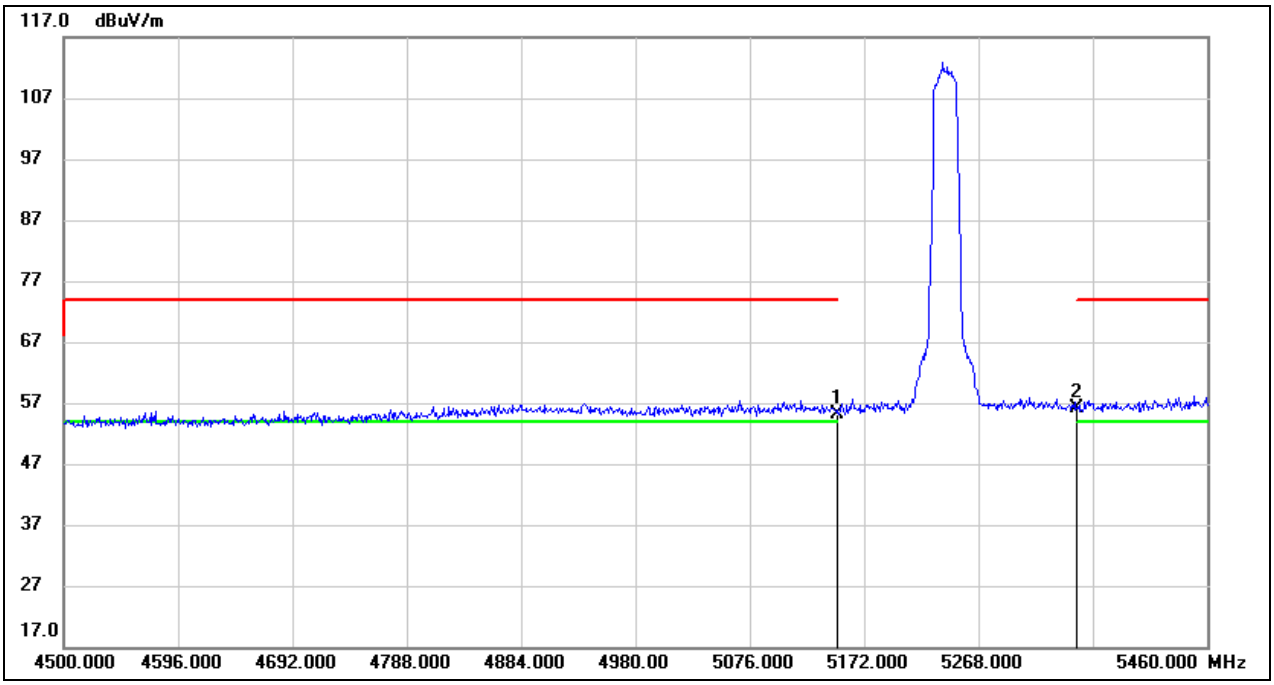
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	15.99	40.27	56.26	74.00	-17.74	peak

Test Mode:	802.11ax HE20 AV	Channel:	5180
Polarity:	Vertical	Test Voltage:	DC 12 V



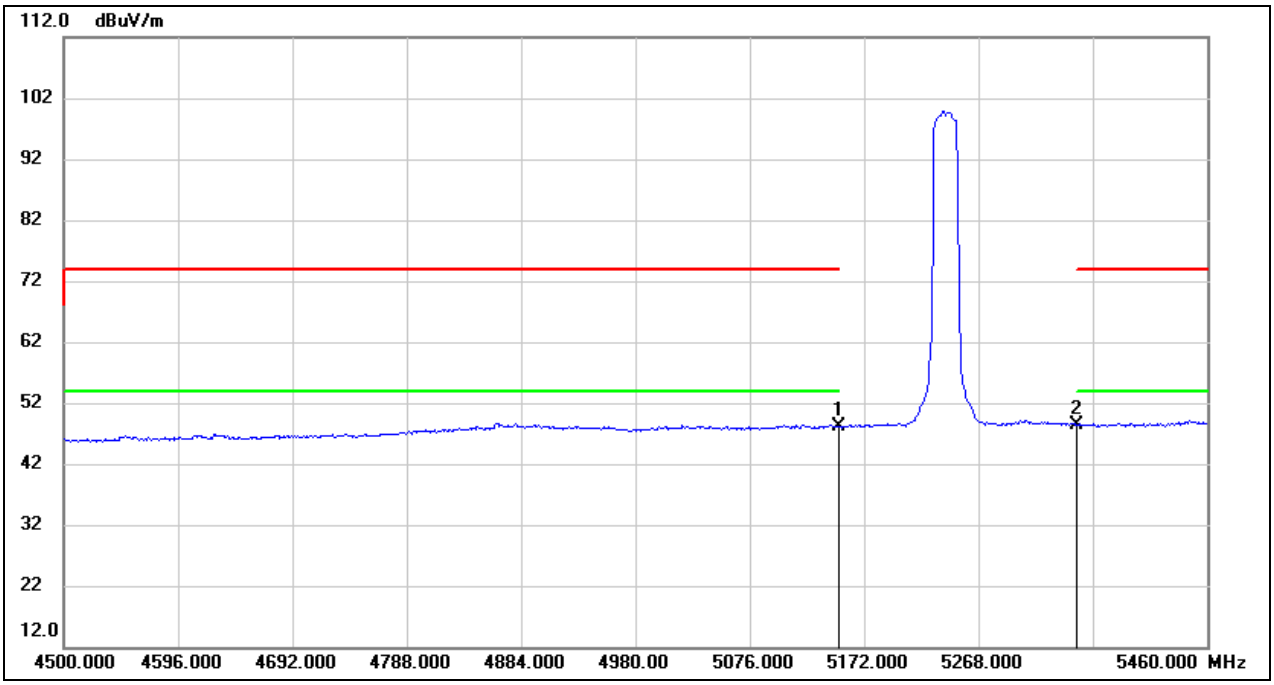
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	4.33	40.27	44.60	54.00	-9.40	AVG

Test Mode:	802.11ax HE20 PK	Channel:	5240
Polarity:	Vertical	Test Voltage:	DC 12 V



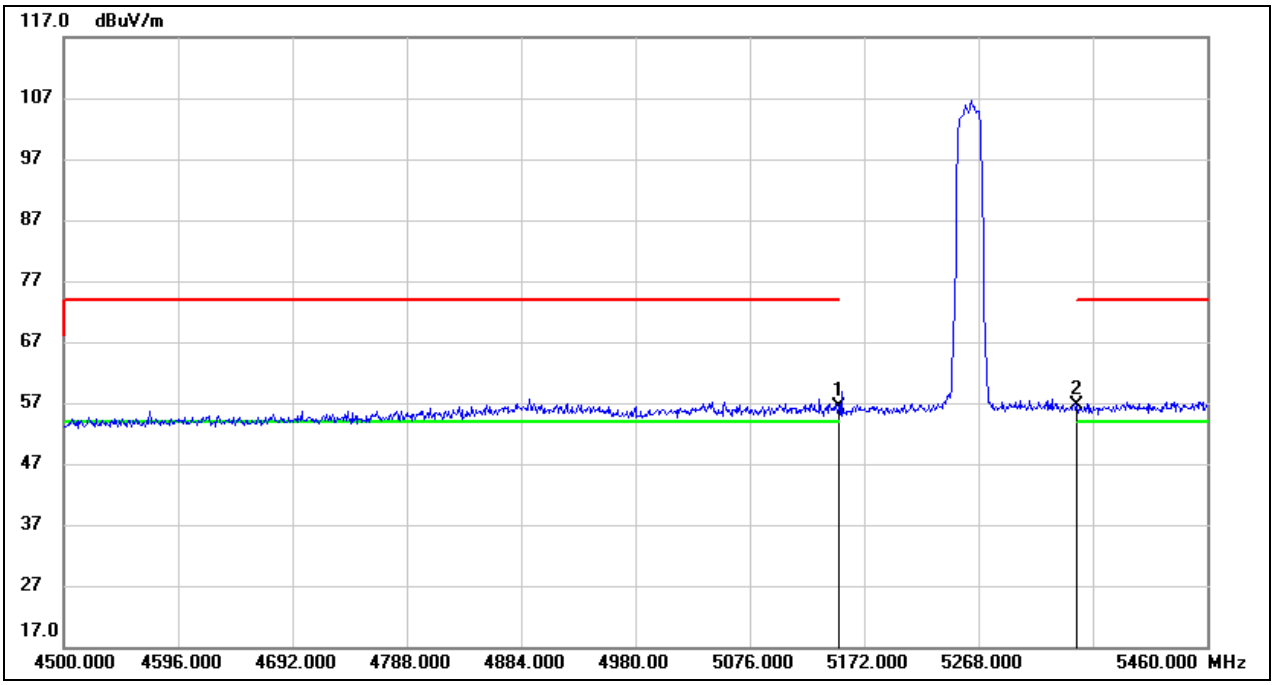
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	14.76	40.27	55.03	74.00	-18.97	peak
2	5350.000	15.60	40.49	56.09	74.00	-17.91	peak

Test Mode:	802.11ax HE20 AV	Channel:	5240
Polarity:	Vertical	Test Voltage:	DC 12 V



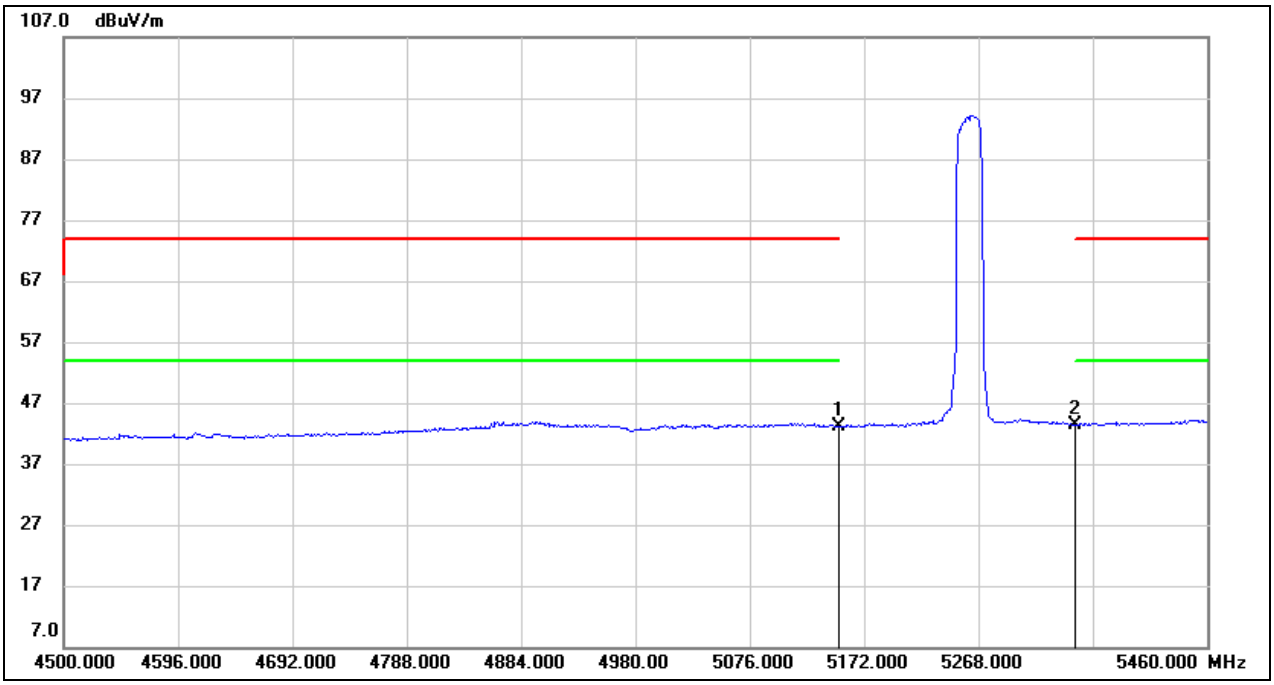
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	7.82	40.27	48.09	54.00	-5.91	AVG
2	5350.000	7.92	40.49	48.41	54.00	-5.59	AVG

Test Mode:	802.11ax HE20 PK	Channel:	5260
Polarity:	Vertical	Test Voltage:	DC 12 V



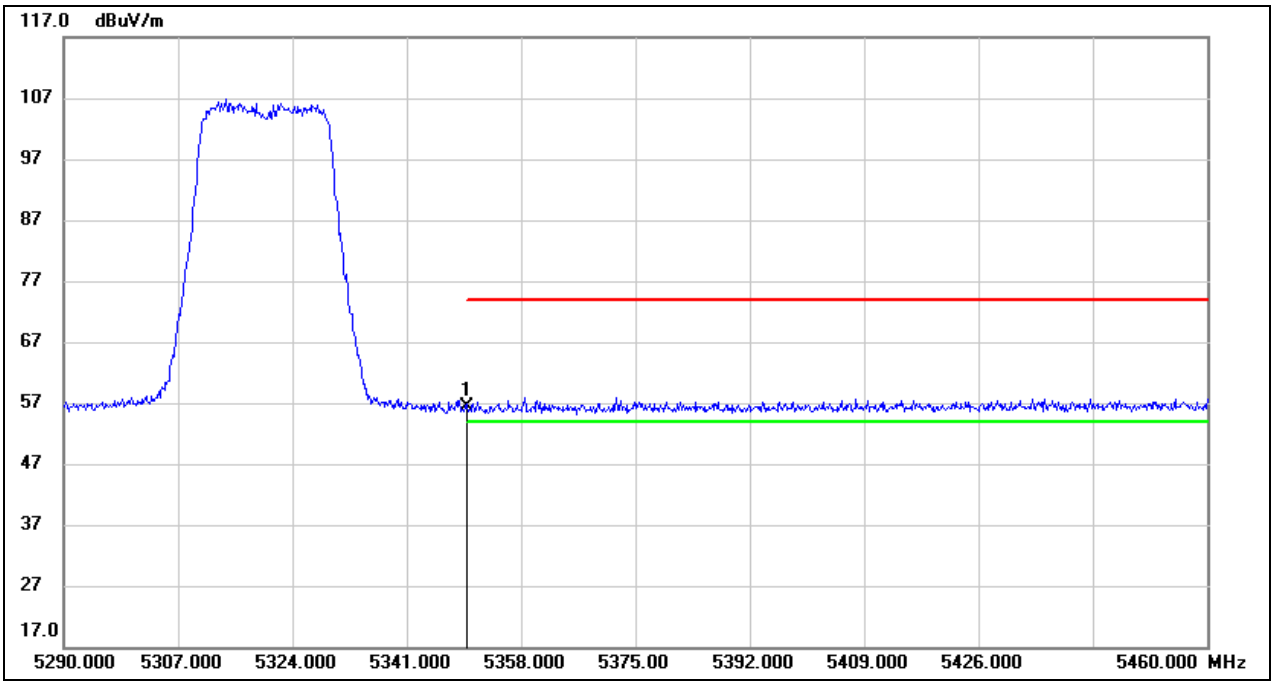
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	16.06	40.27	56.33	74.00	-17.67	peak
2	5350.000	16.19	40.49	56.68	74.00	-17.32	peak

Test Mode:	802.11ax HE20 AV	Channel:	5260
Polarity:	Vertical	Test Voltage:	DC 12 V



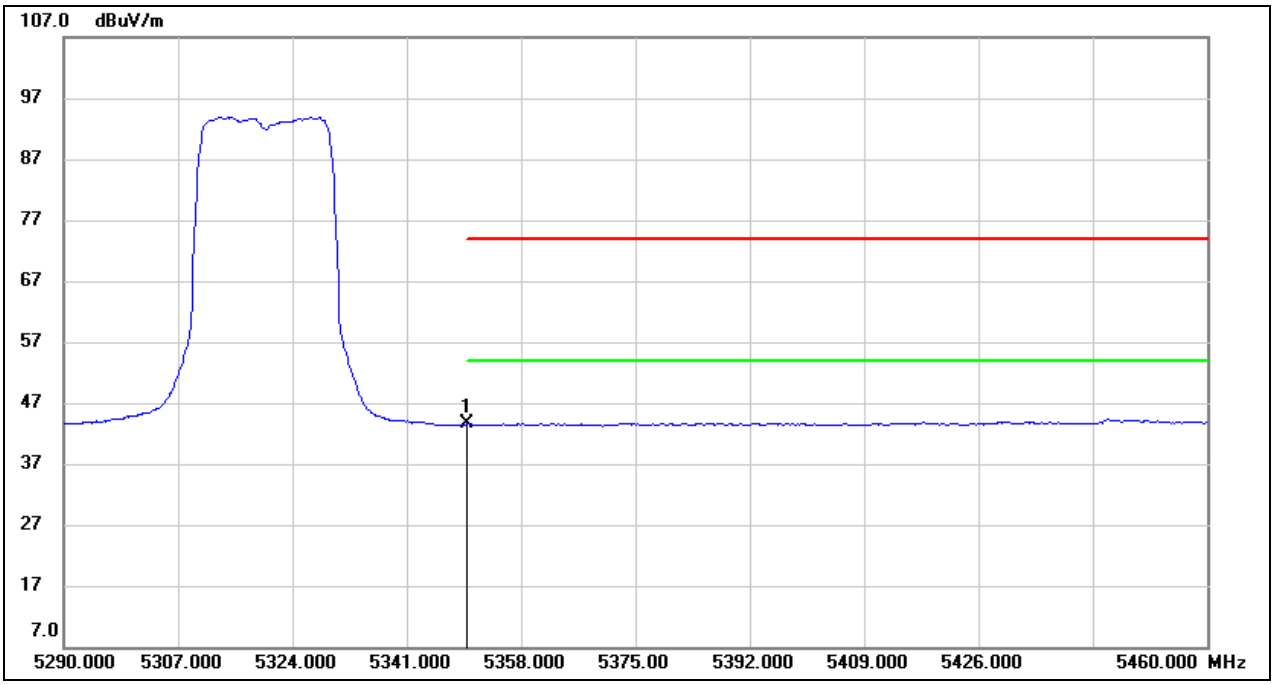
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	2.84	40.27	43.11	54.00	-10.89	AVG
2	5350.000	2.89	40.49	43.38	54.00	-10.62	AVG

Test Mode:	802.11ax HE20 PK	Channel:	5320
Polarity:	Vertical	Test Voltage:	DC 12 V



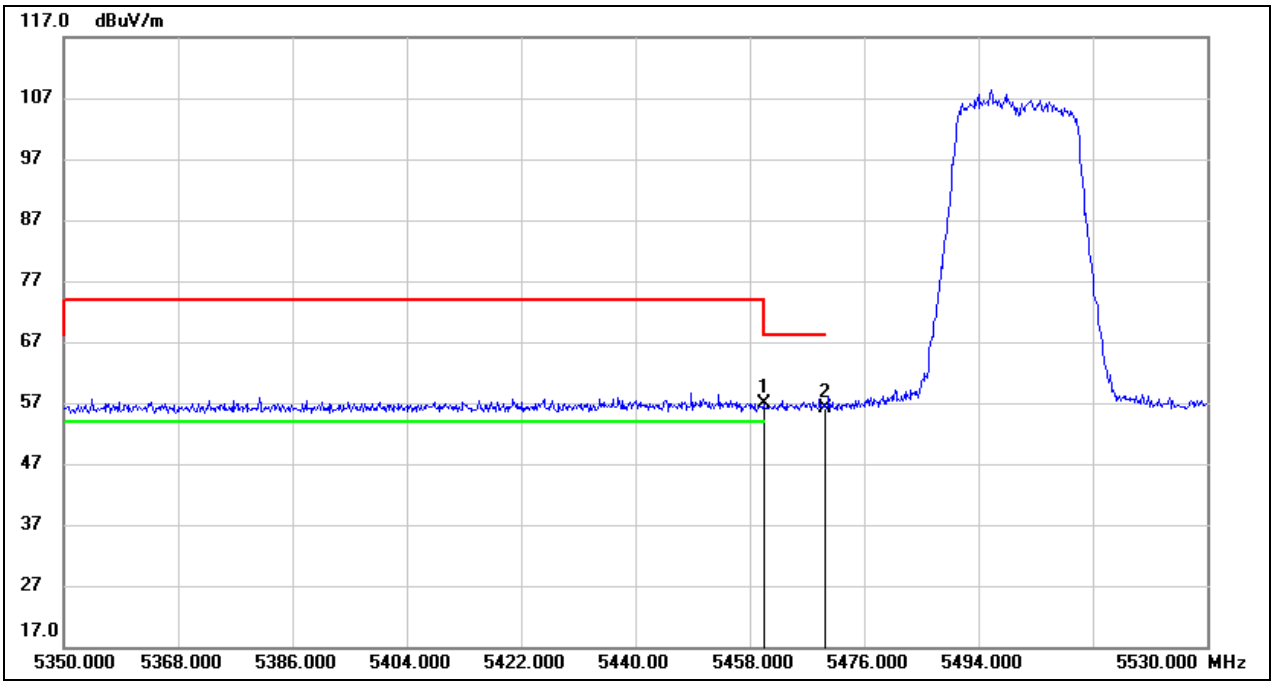
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	15.85	40.49	56.34	74.00	-17.66	peak

Test Mode:	802.11ax HE20 AV	Channel:	5320
Polarity:	Vertical	Test Voltage:	DC 12 V



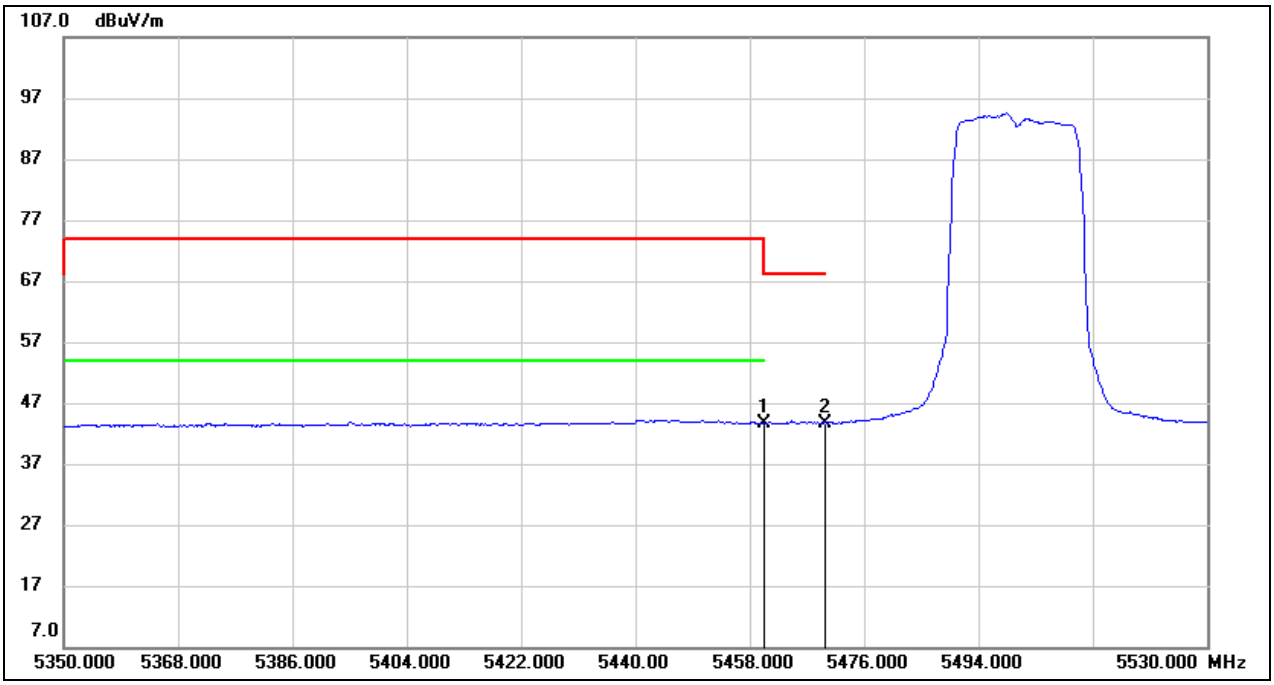
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	3.10	40.49	43.59	54.00	-10.41	AVG

Test Mode:	802.11ax HE20 PK	Channel:	5500
Polarity:	Vertical	Test Voltage:	DC 12 V



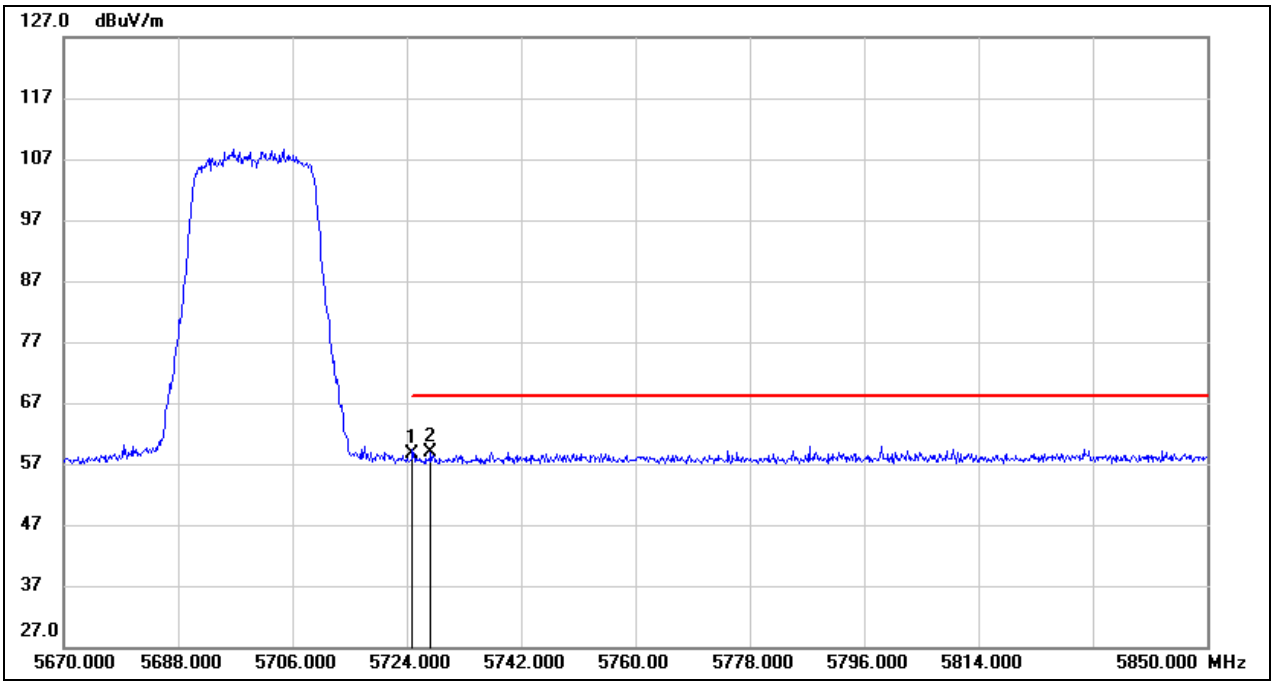
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5460.000	16.32	40.62	56.94	74.00	-17.06	peak
2	5470.000	15.39	40.63	56.02	68.20	-12.18	peak

Test Mode:	802.11ax HE20 AV	Channel:	5500
Polarity:	Vertical	Test Voltage:	DC 12 V



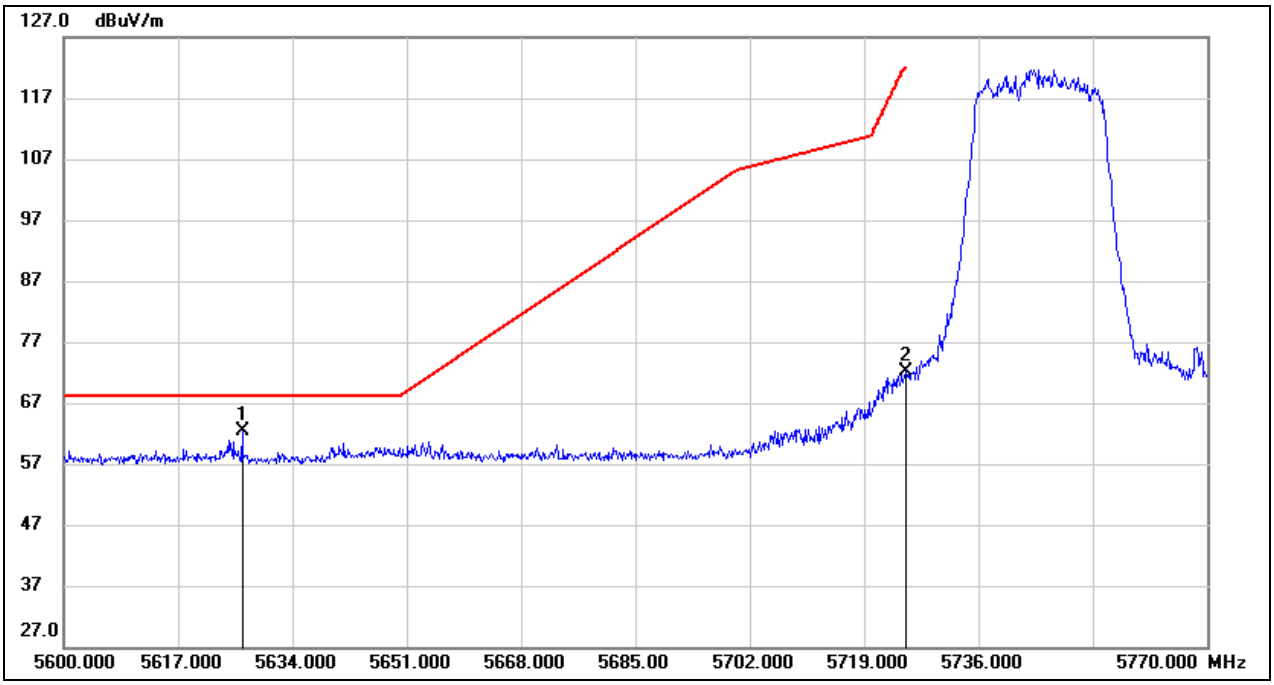
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5460.000	3.11	40.62	43.73	54.00	-10.27	AVG
2	5470.000	3.12	40.63	43.75	/	/	/

Test Mode:	802.11ax HE20 PK	Channel:	5700
Polarity:	Vertical	Test Voltage:	DC 12 V



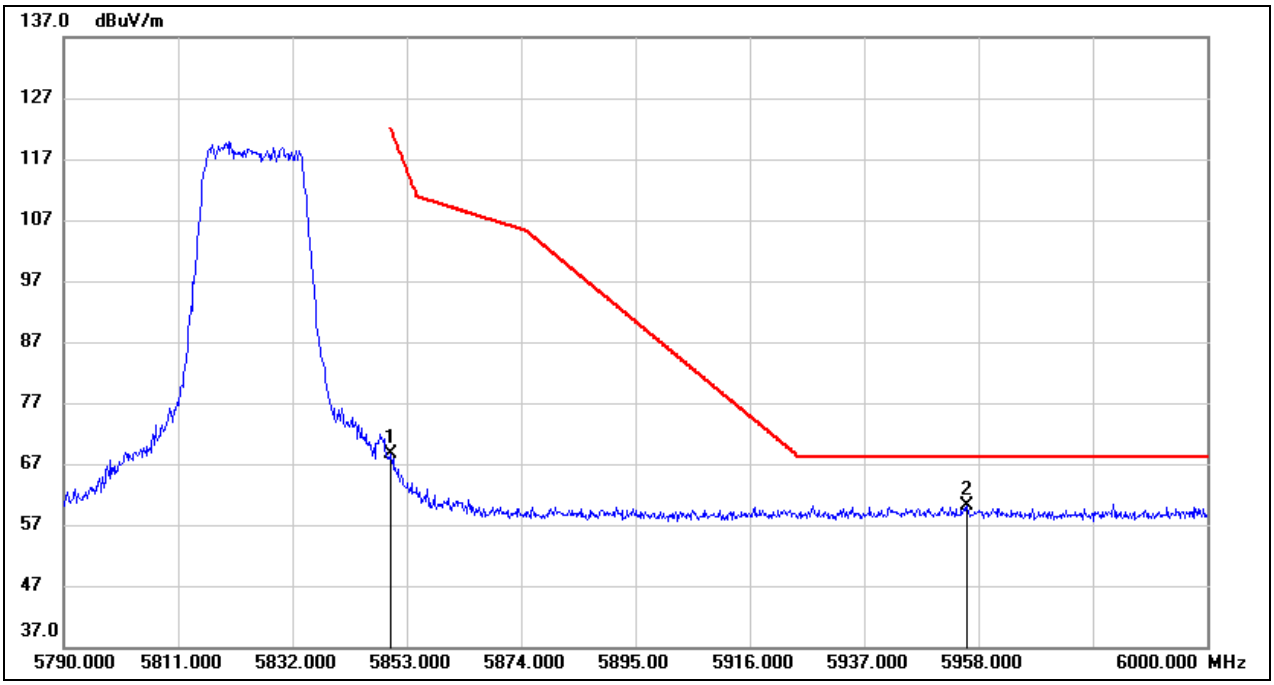
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	17.42	41.27	58.69	68.20	-9.51	peak
2	5727.780	17.64	41.27	58.91	68.20	-9.29	peak

Test Mode:	802.11ax HE20 PK	Channel:	5745
Polarity:	Vertical	Test Voltage:	DC 12 V



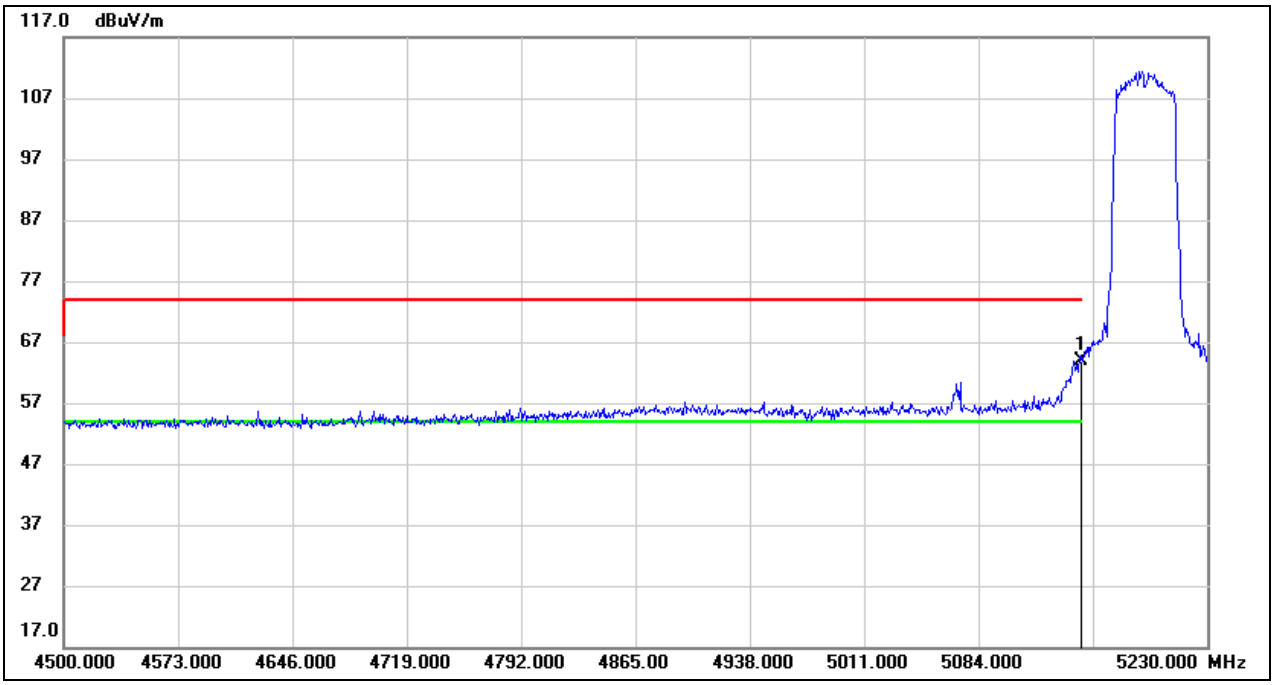
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5626.520	21.28	41.00	62.28	68.20	-5.92	peak
2	5725.000	30.97	41.27	72.24	122.20	-49.96	peak

Test Mode:	802.11ax HE20 PK	Channel:	5825
Polarity:	Vertical	Test Voltage:	DC 12 V



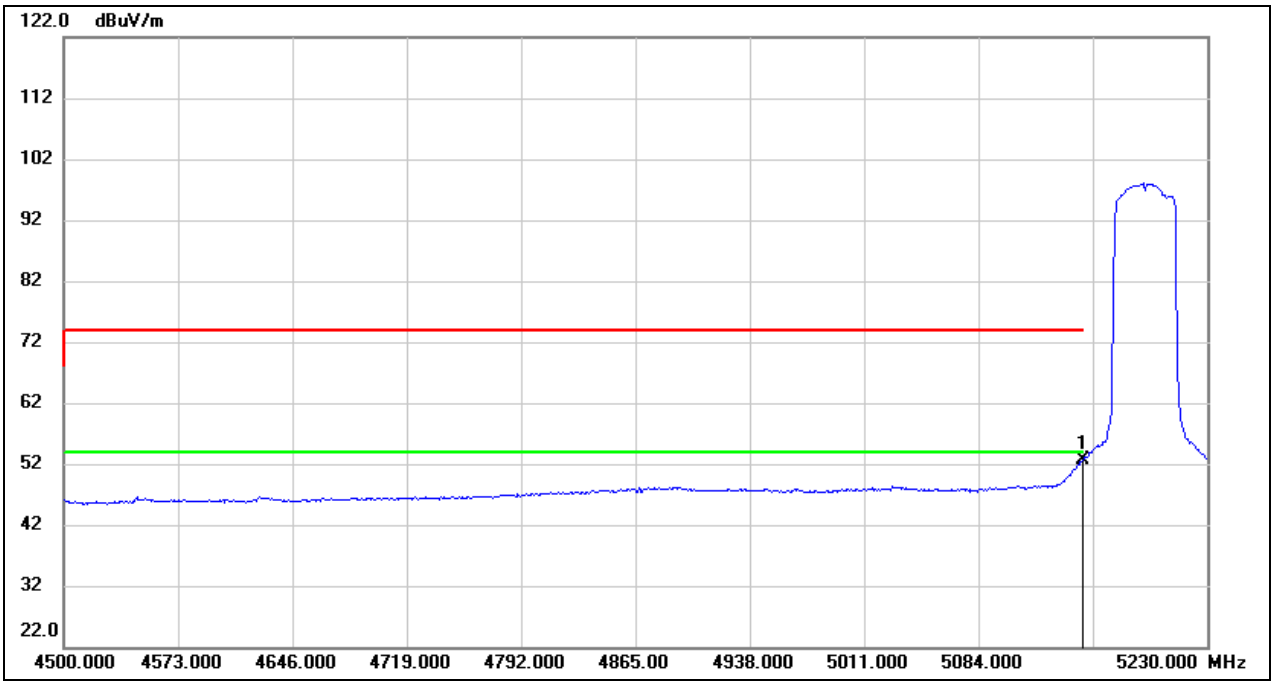
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	26.98	41.60	68.58	122.20	-53.62	peak
2	5955.900	18.31	41.89	60.20	68.20	-8.00	peak

Test Mode:	802.11ax HE40 PK	Channel:	5190
Polarity:	Vertical	Test Voltage:	DC 12 V



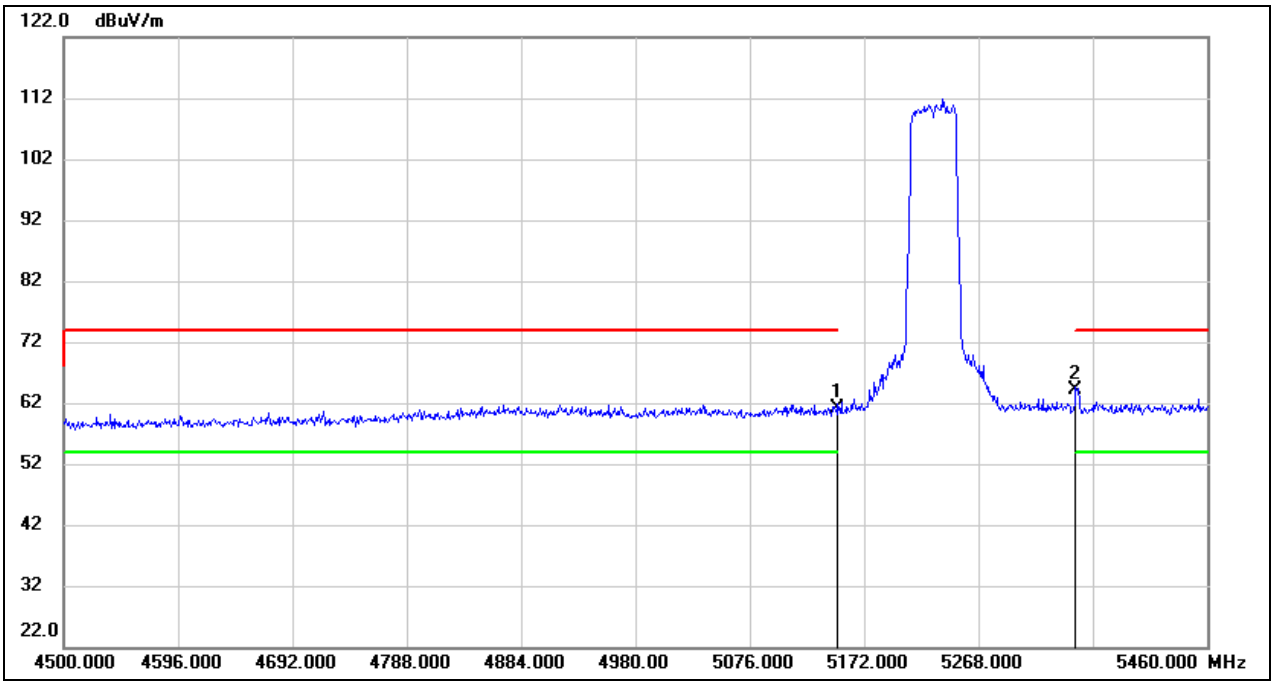
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	23.63	40.27	63.90	74.00	-10.10	peak

Test Mode:	802.11ax HE40 AV	Channel:	5190
Polarity:	Vertical	Test Voltage:	DC 12 V



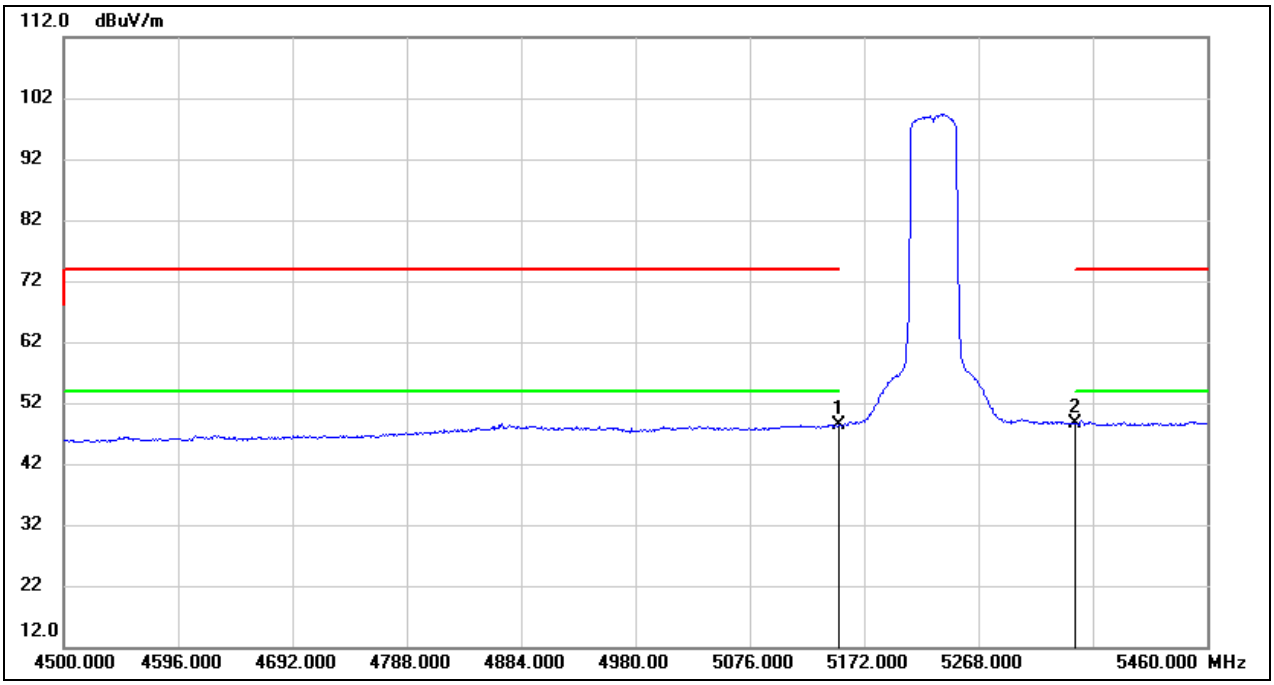
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	12.29	40.27	52.56	54.00	-1.44	AVG

Test Mode:	802.11ax HE40 PK	Channel:	5230
Polarity:	Vertical	Test Voltage:	DC 12 V



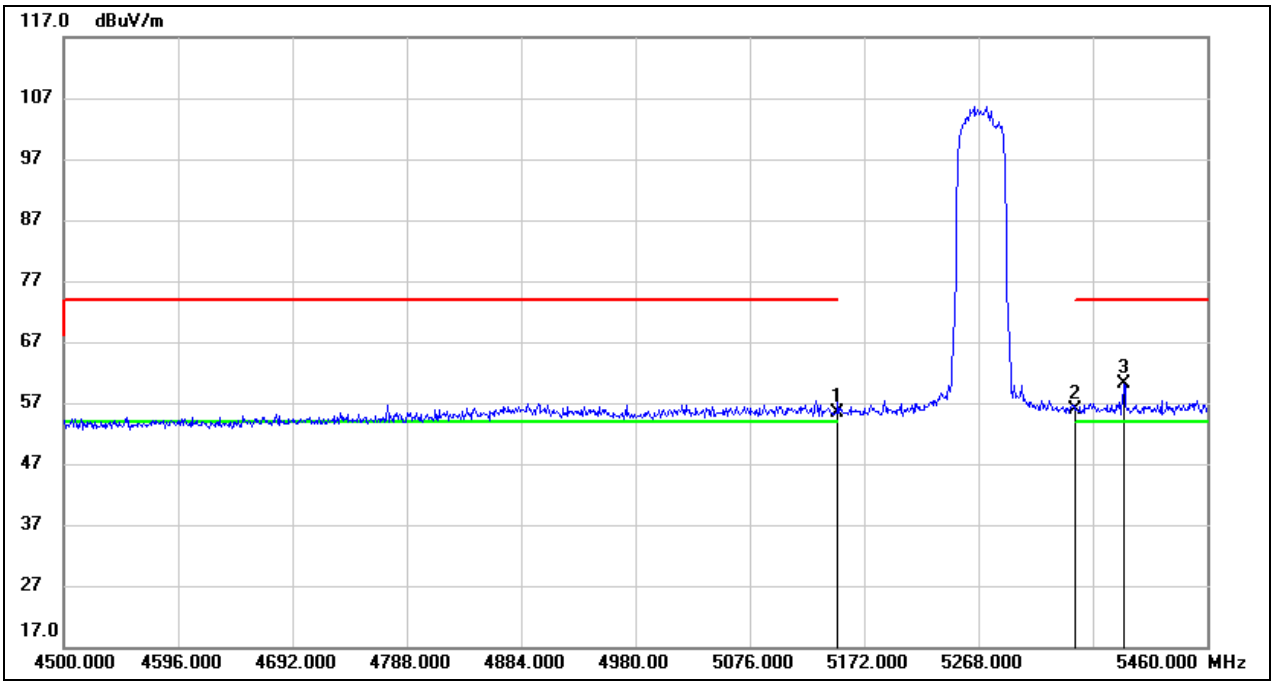
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	20.75	40.27	61.02	74.00	-12.98	peak
2	5350.000	23.64	40.49	64.13	74.00	-9.87	peak

Test Mode:	802.11ax HE40 AV	Channel:	5230
Polarity:	Vertical	Test Voltage:	DC 12 V



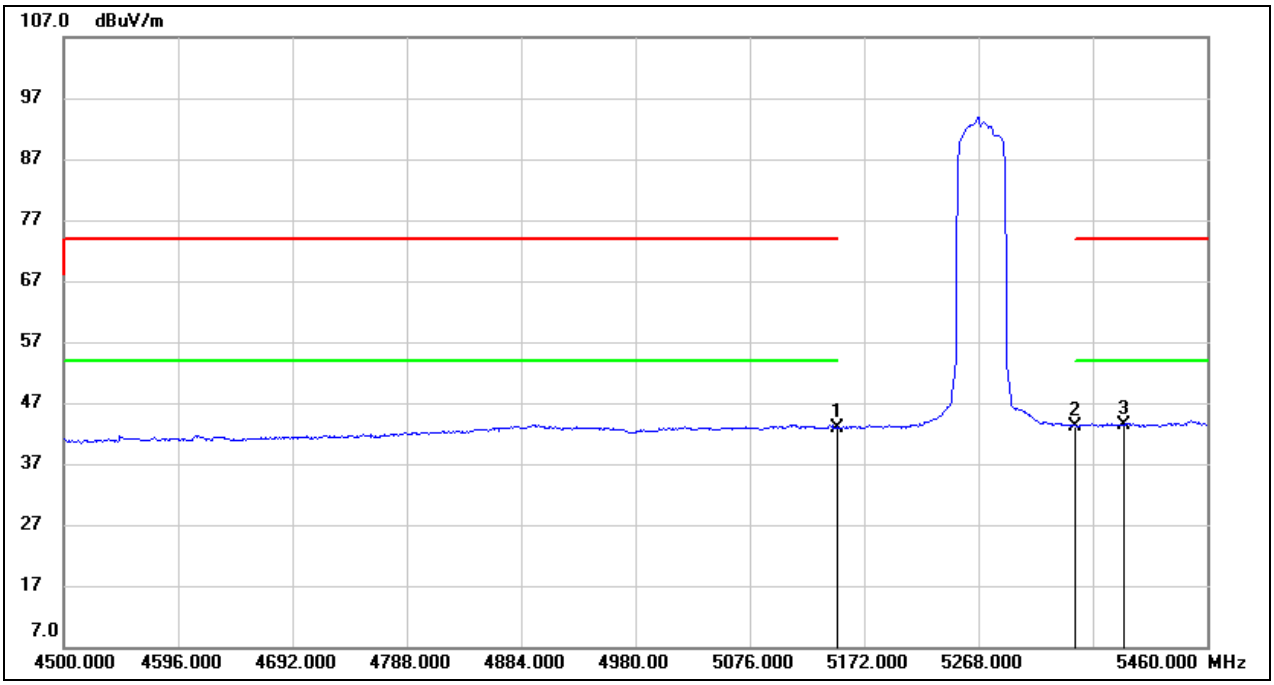
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	8.03	40.27	48.30	54.00	-5.70	AVG
2	5350.000	8.14	40.49	48.63	54.00	-5.37	AVG

Test Mode:	802.11ax HE40 PK	Channel:	5270
Polarity:	Vertical	Test Voltage:	DC 12 V



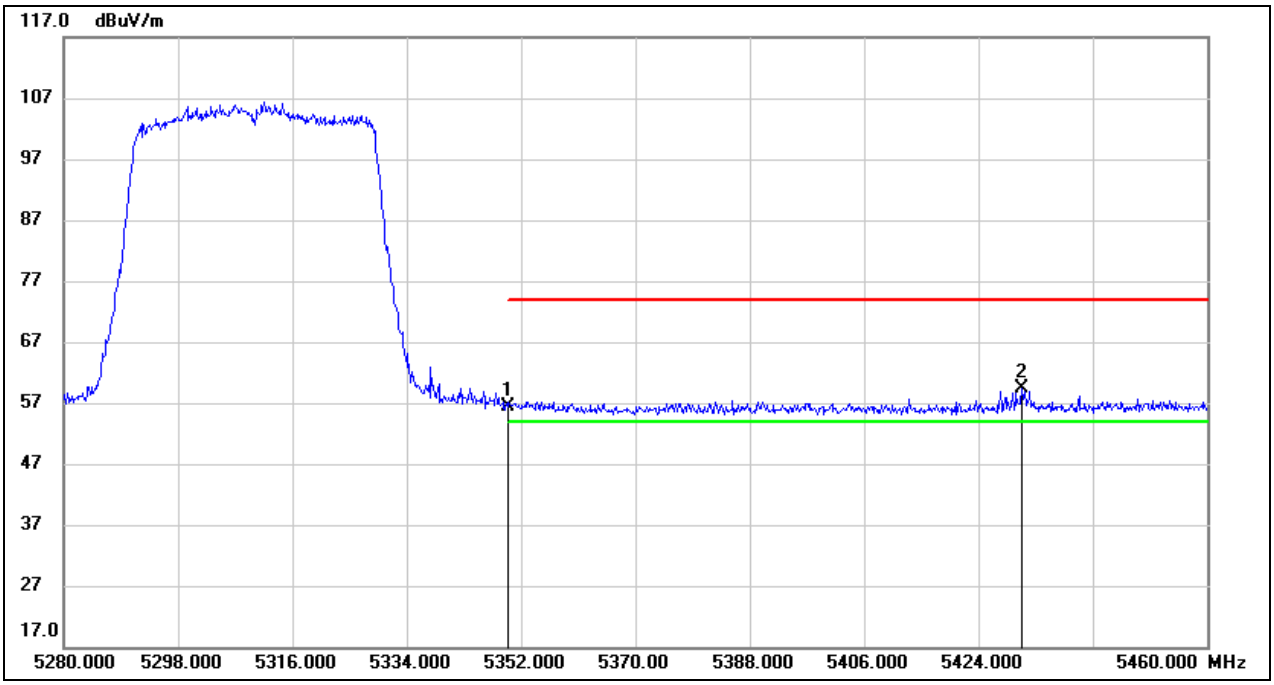
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	15.06	40.27	55.33	74.00	-18.67	peak
2	5350.000	15.28	40.49	55.77	74.00	-18.23	peak
3	5389.920	19.62	40.54	60.16	74.00	-13.84	peak

Test Mode:	802.11ax HE40 AV	Channel:	5270
Polarity:	Vertical	Test Voltage:	DC 12 V



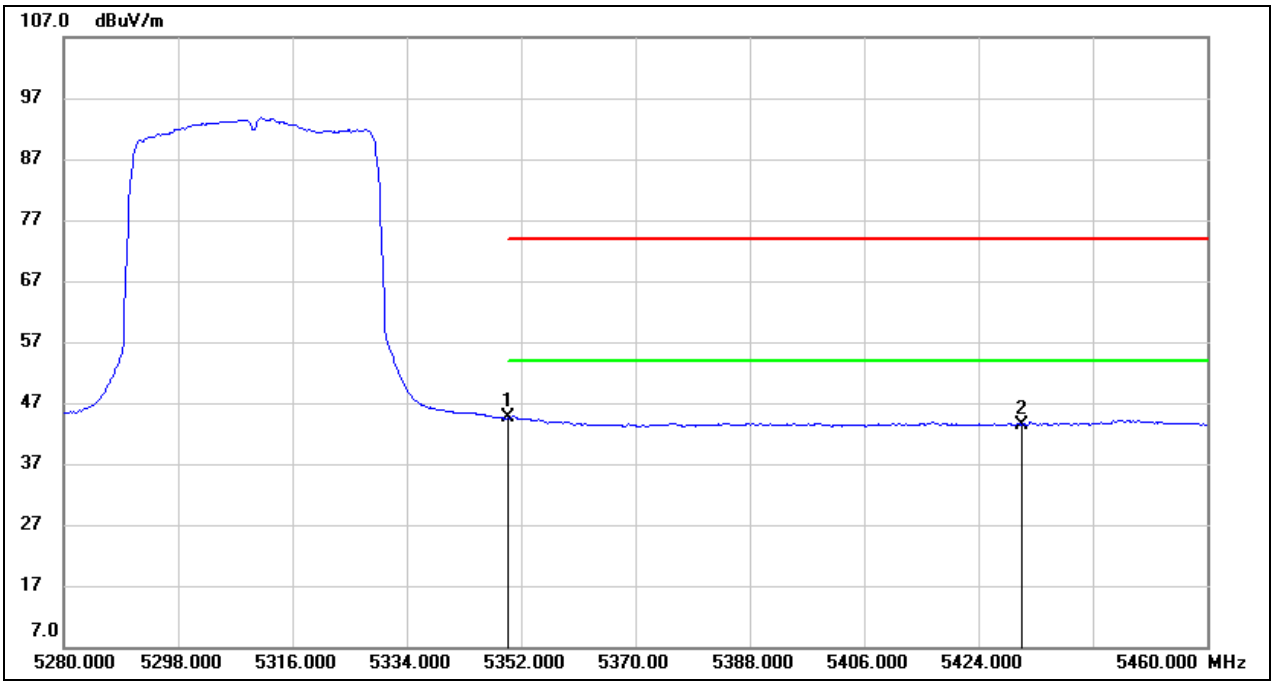
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	2.60	40.27	42.87	54.00	-11.13	AVG
2	5350.000	2.75	40.49	43.24	54.00	-10.76	AVG
3	5389.920	2.72	40.54	43.26	54.00	-10.74	AVG

Test Mode:	802.11ax HE40 PK	Channel:	5310
Polarity:	Vertical	Test Voltage:	DC 12 V



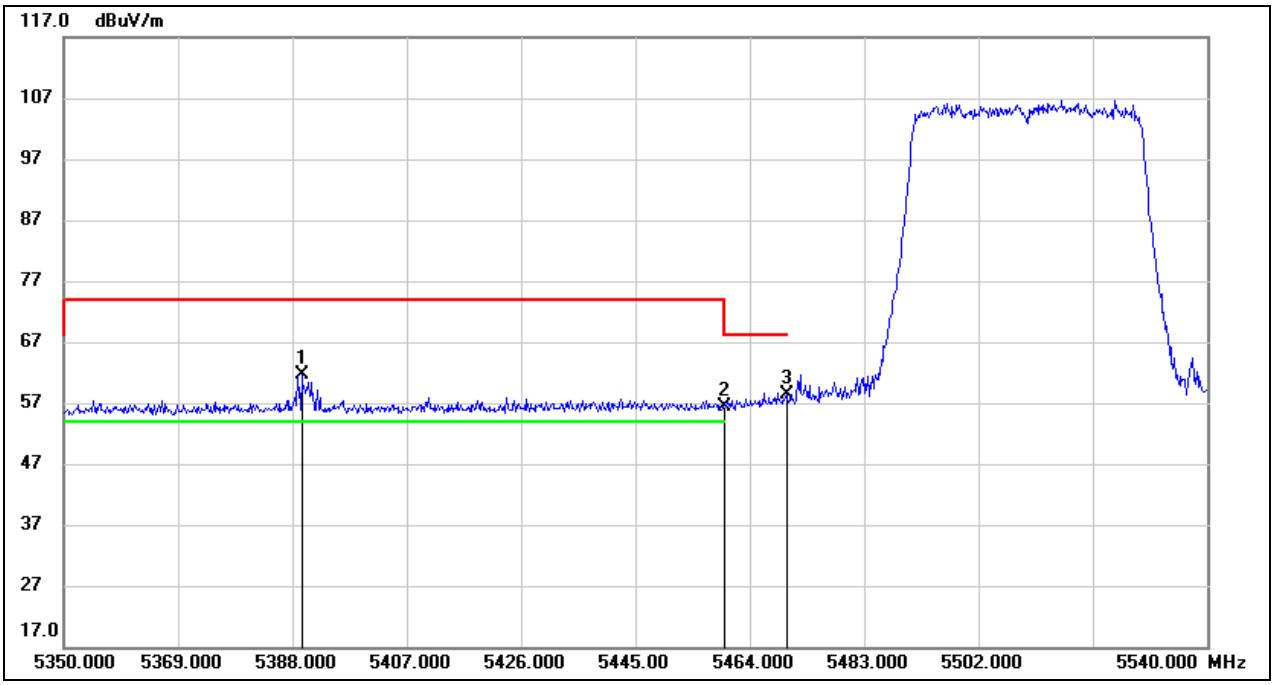
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	15.93	40.49	56.42	74.00	-17.58	peak
2	5430.840	18.83	40.58	59.41	74.00	-14.59	peak

Test Mode:	802.11ax HE40 AV	Channel:	5310
Polarity:	Vertical	Test Voltage:	DC 12 V



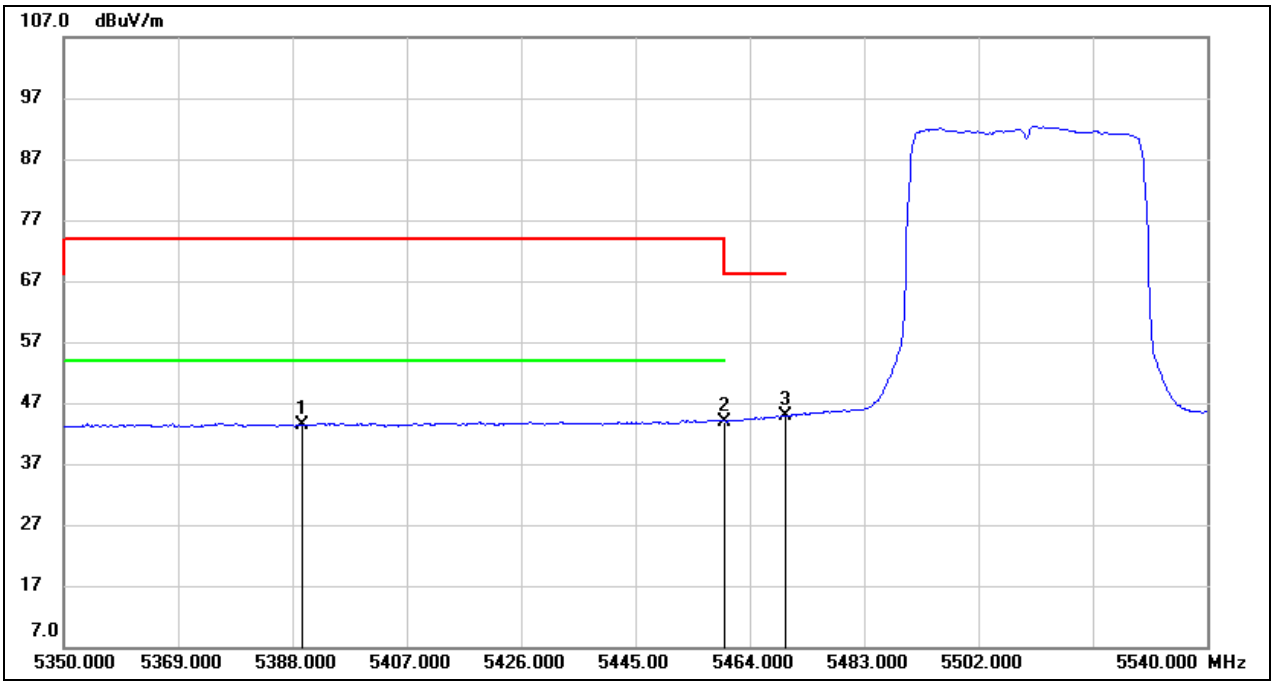
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	4.11	40.49	44.60	54.00	-9.40	AVG
2	5430.840	2.92	40.58	43.50	54.00	-10.50	AVG

Test Mode:	802.11ax HE40 PK	Channel:	5510
Polarity:	Vertical	Test Voltage:	DC 12 V



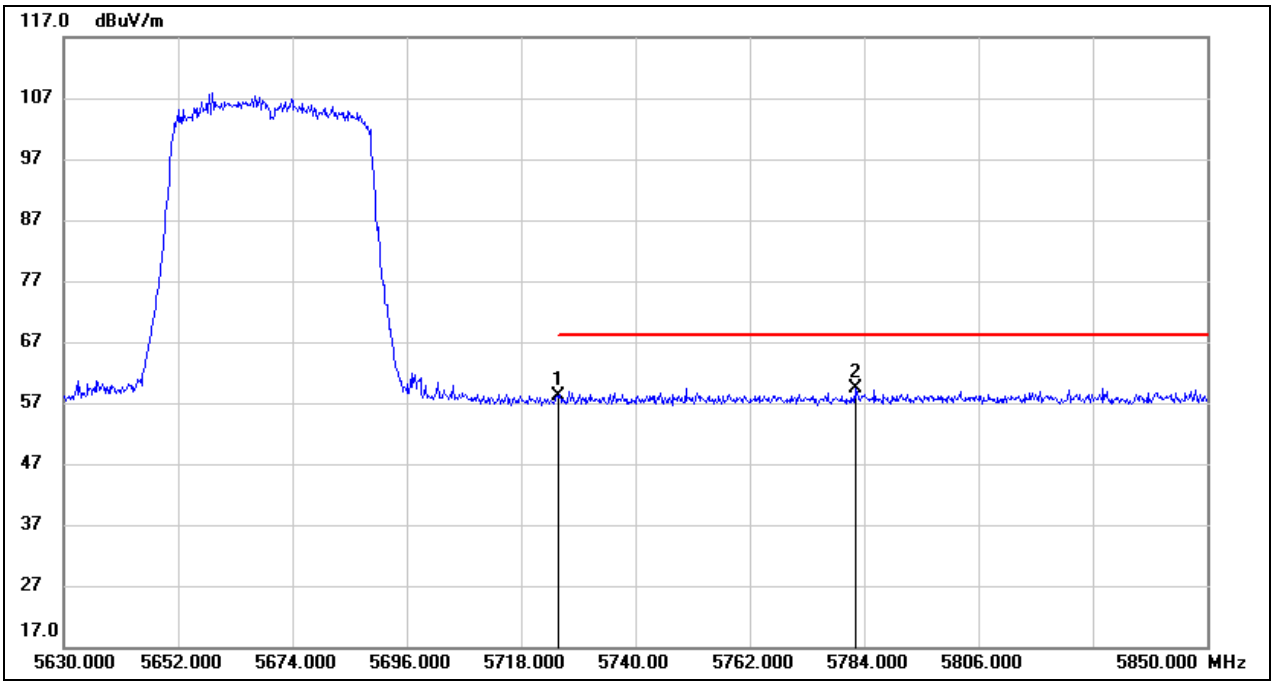
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5389.520	21.08	40.54	61.62	74.00	-12.38	peak
2	5460.000	15.74	40.62	56.36	74.00	-17.64	peak
3	5470.000	17.85	40.63	58.48	68.20	-9.72	peak

Test Mode:	802.11ax HE40 AV	Channel:	5510
Polarity:	Vertical	Test Voltage:	DC 12 V



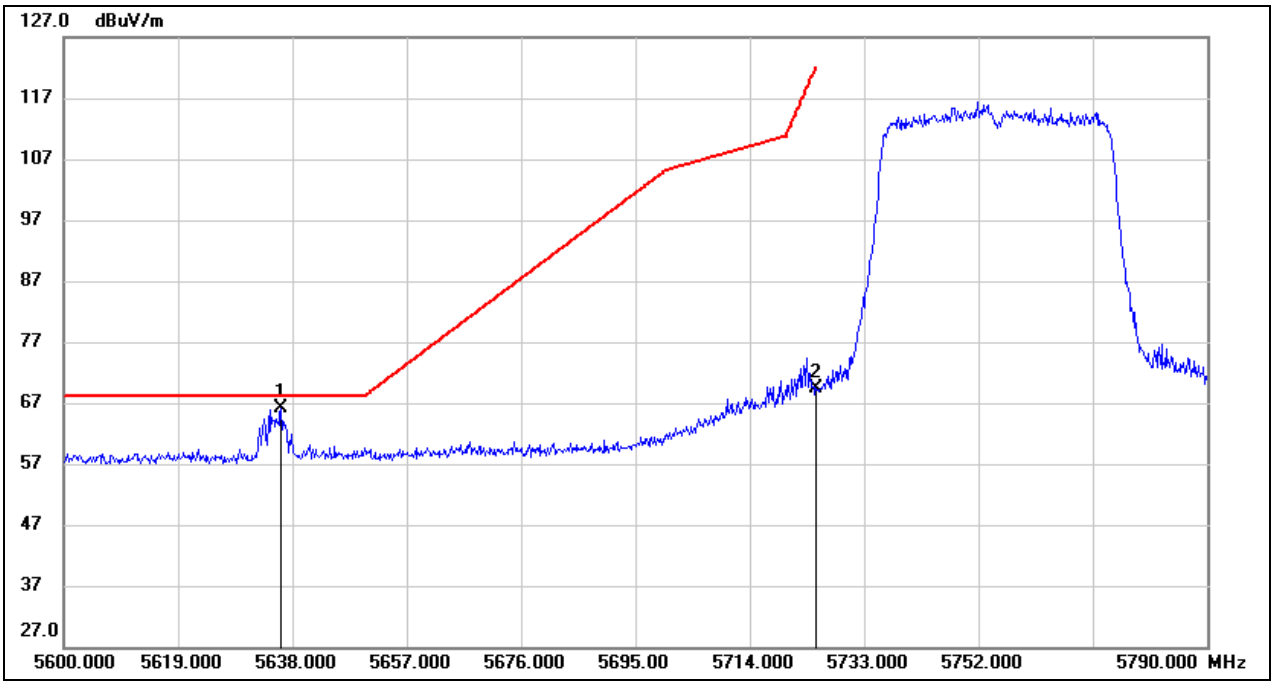
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5389.520	2.87	40.54	43.41	54.00	-10.59	AVG
2	5460.000	3.34	40.62	43.96	54.00	-10.04	AVG
3	5470.000	4.34	40.63	44.97	/	/	AVG

Test Mode:	802.11ax HE40 PK	Channel:	5670
Polarity:	Vertical	Test Voltage:	DC 12 V



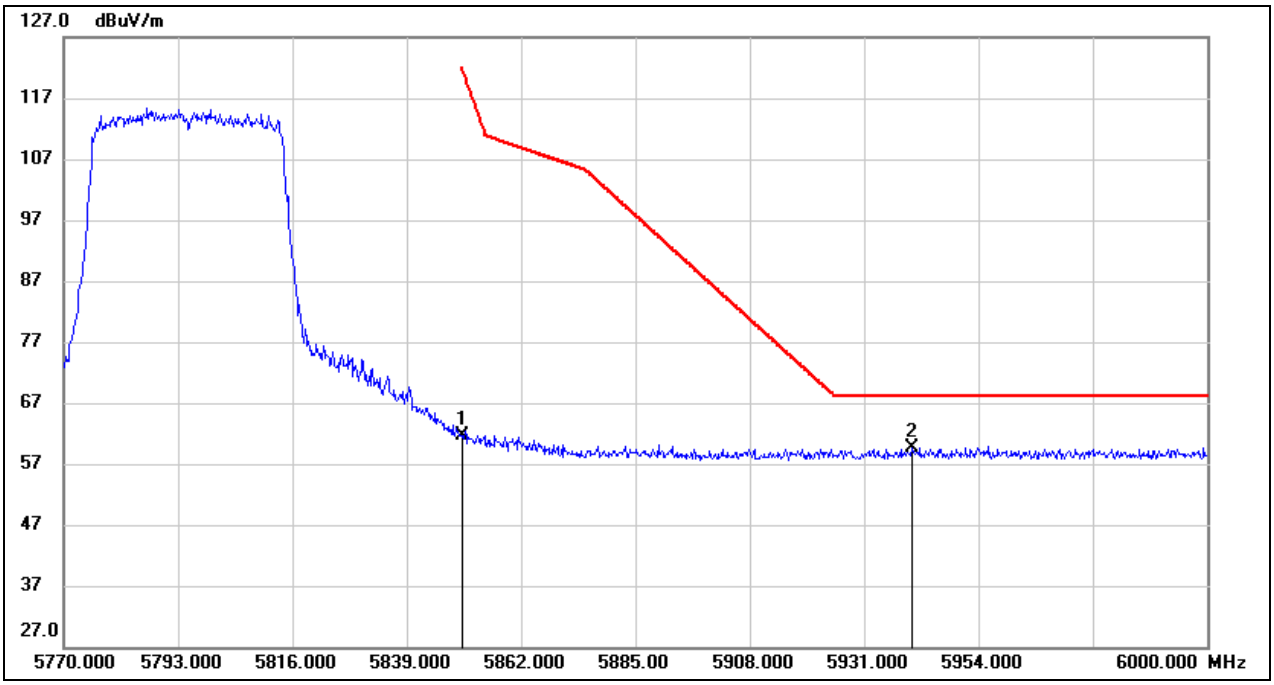
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	16.75	41.27	58.02	68.20	-10.18	peak
2	5782.240	18.06	41.41	59.47	68.20	-8.73	peak

Test Mode:	802.11ax HE40 PK	Channel:	5755
Polarity:	Vertical	Test Voltage:	DC 12 V



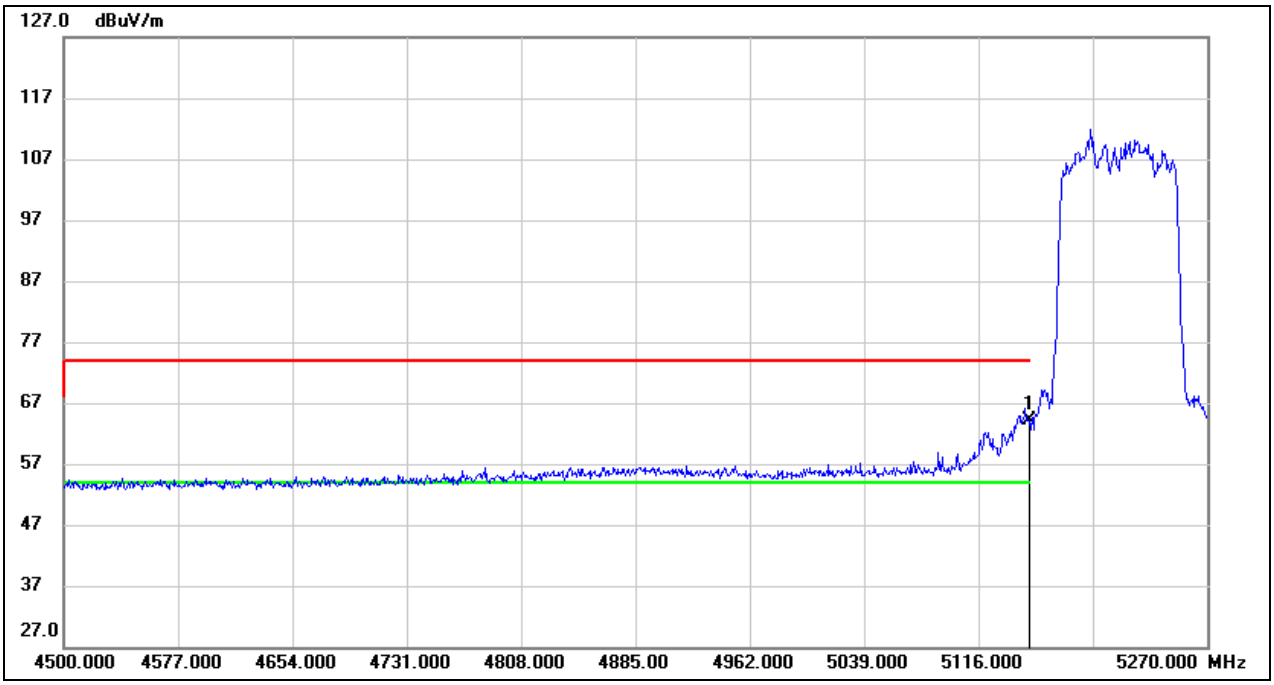
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5636.100	25.18	41.03	66.21	68.20	-1.99	peak
2	5725.000	28.03	41.27	69.30	122.20	-52.90	peak

Test Mode:	802.11ax HE40 PK	Channel:	5795
Polarity:	Vertical	Test Voltage:	DC 12 V



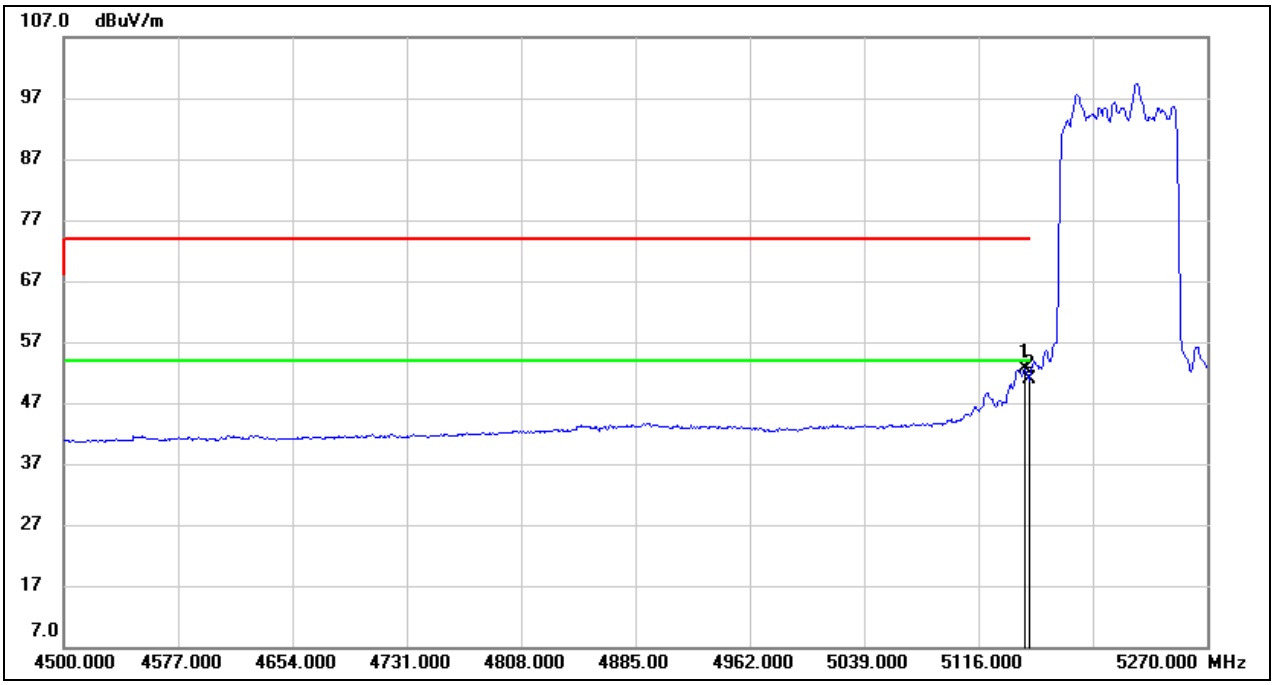
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	19.99	41.60	61.59	122.20	-60.61	peak
2	5940.660	17.87	41.84	59.71	68.20	-8.49	peak

Test Mode:	802.11ax HE80 PK	Channel:	5210
Polarity:	Vertical	Test Voltage:	DC 12 V



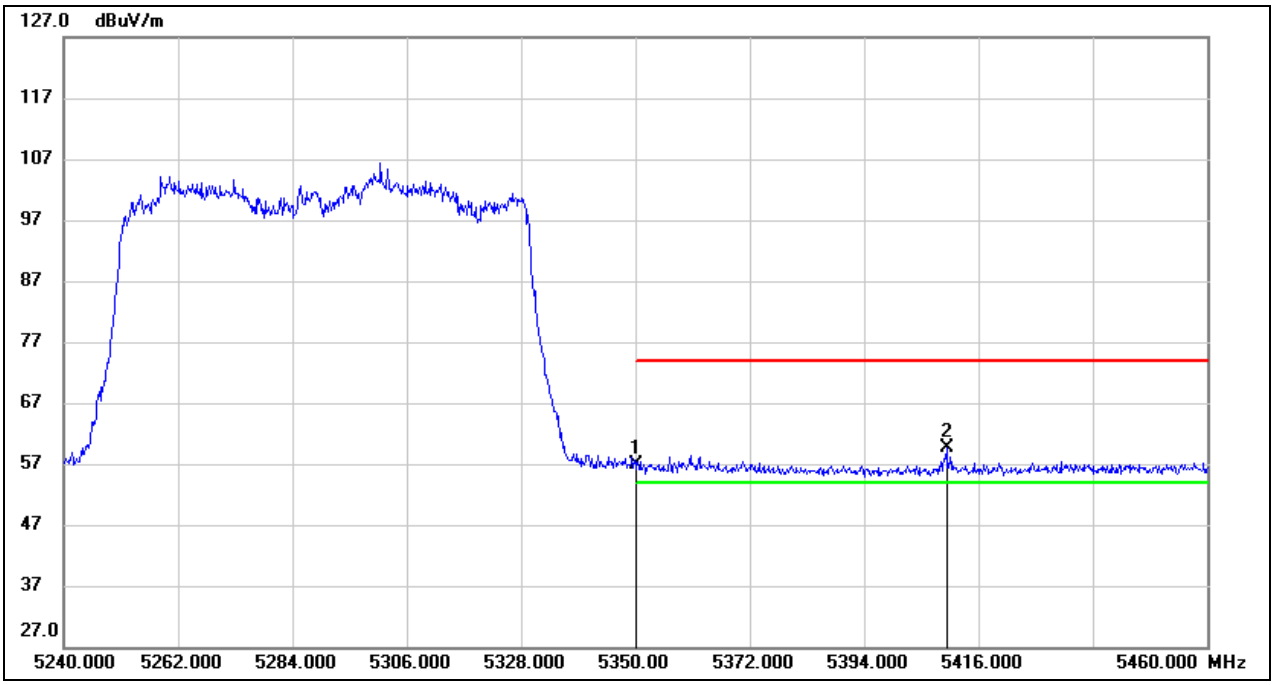
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	23.86	40.27	64.13	74.00	-9.87	peak

Test Mode:	802.11ax HE80 AV	Channel:	5210
Polarity:	Vertical	Test Voltage:	DC 12 V



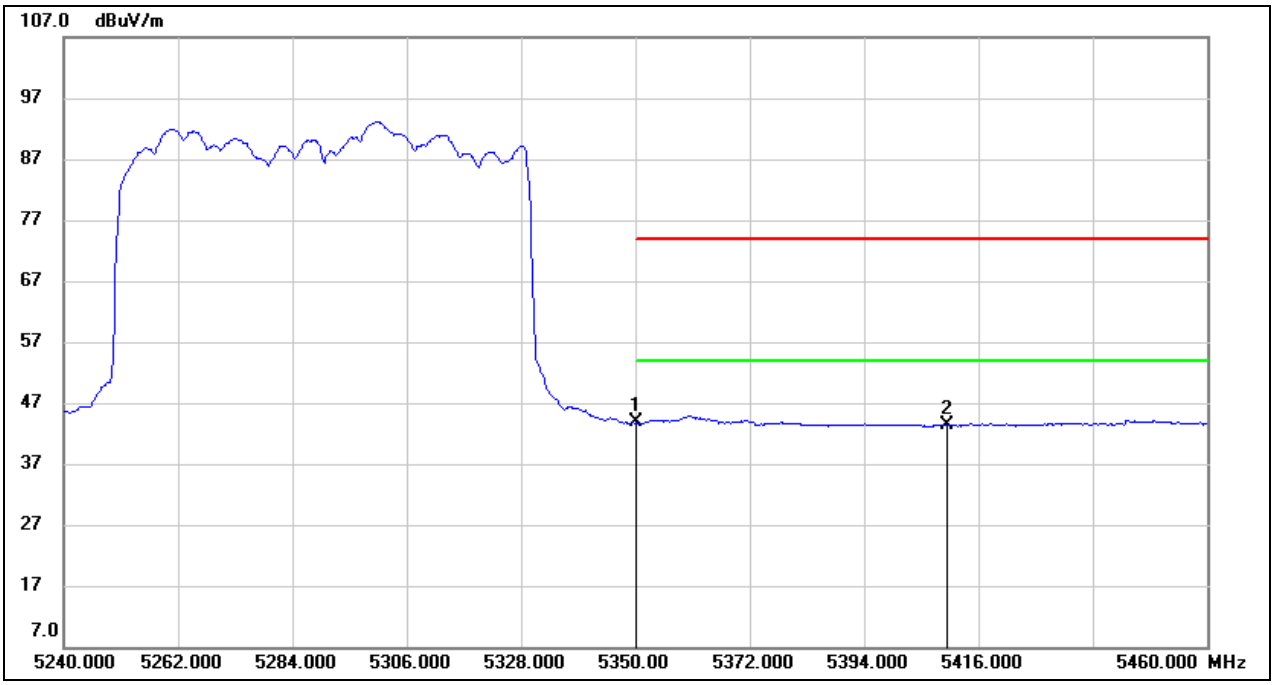
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5147.570	12.32	40.28	52.60	54.00	-1.40	AVG
2	5150.000	10.66	40.27	50.93	54.00	-3.07	AVG

Test Mode:	802.11ax HE80 PK	Channel:	5290
Polarity:	Vertical	Test Voltage:	DC 12 V



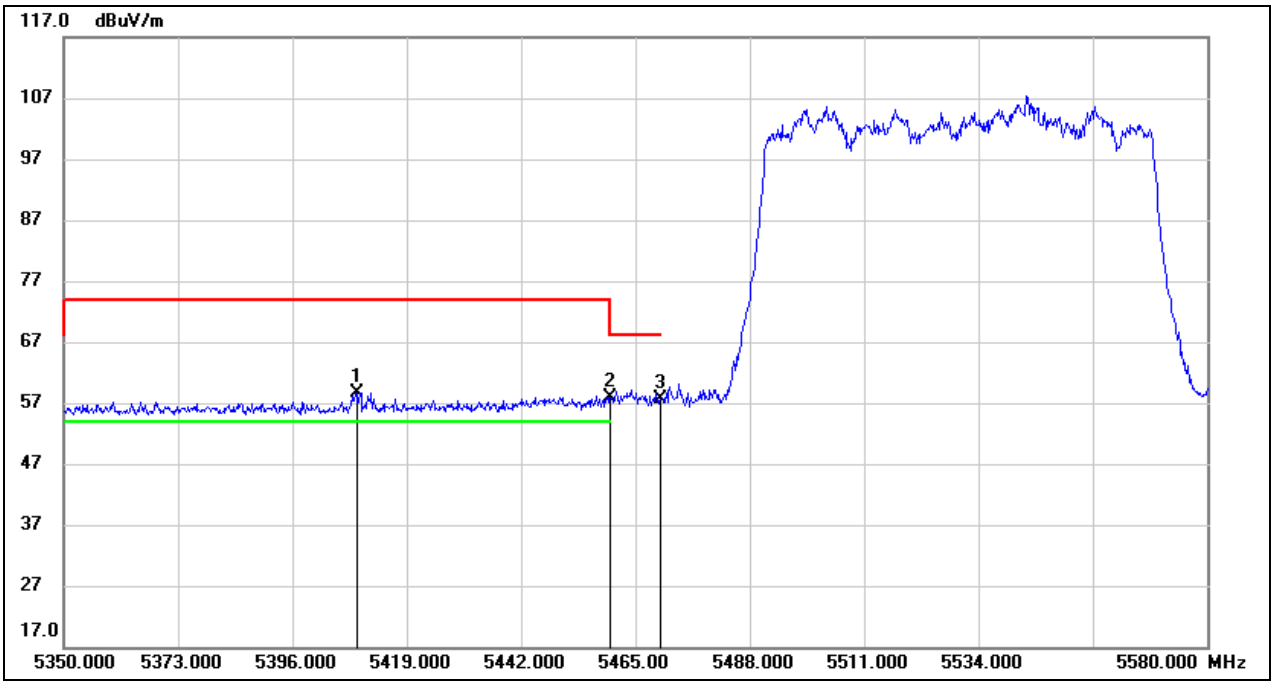
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	16.49	40.49	56.98	74.00	-17.02	peak
2	5409.840	19.14	40.56	59.70	74.00	-14.30	peak

Test Mode:	802.11ax HE80 AV	Channel:	5290
Polarity:	Vertical	Test Voltage:	DC 12 V



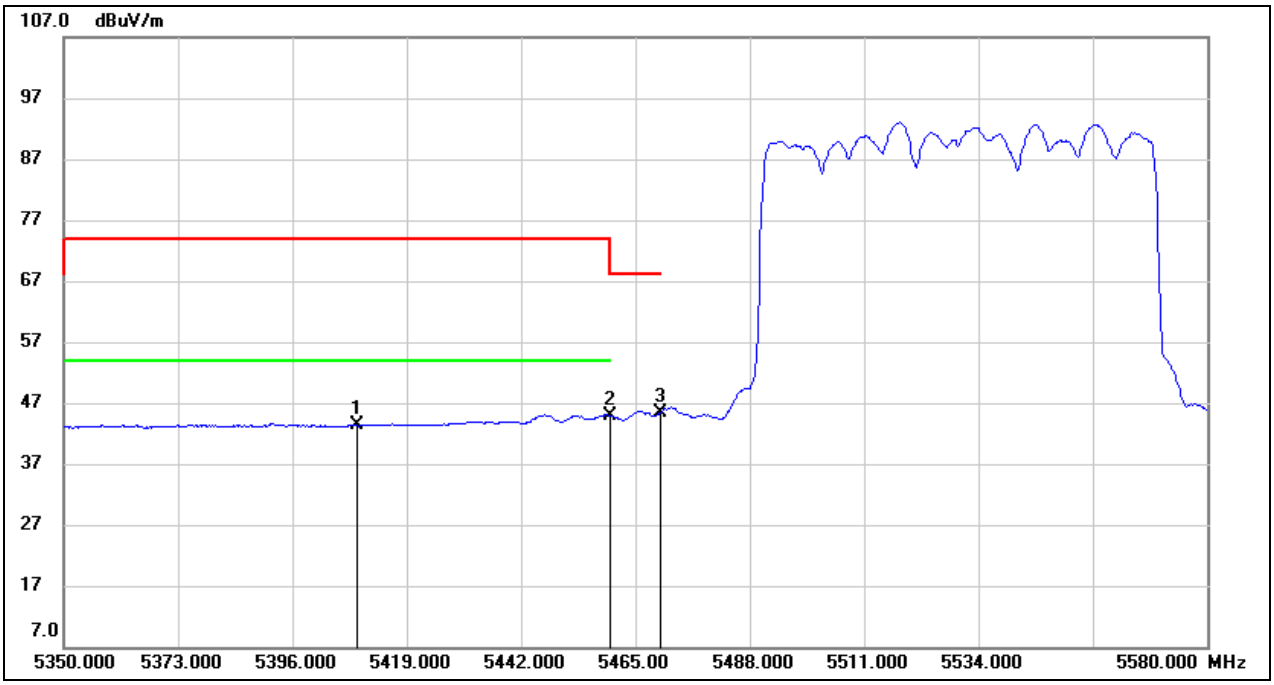
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	3.29	40.49	43.78	54.00	-10.22	AVG
2	5409.840	2.84	40.56	43.40	54.00	-10.60	AVG

Test Mode:	802.11ax HE80 PK	Channel:	5530
Polarity:	Vertical	Test Voltage:	DC 12 V



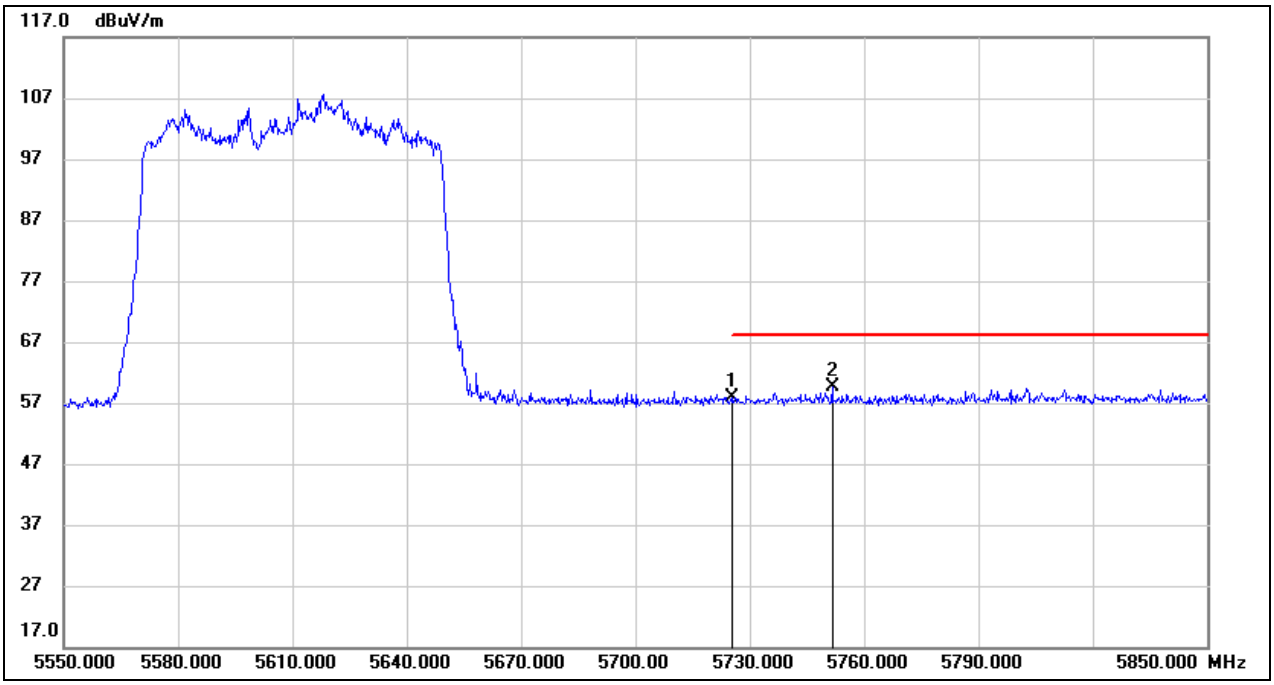
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5408.880	18.10	40.56	58.66	74.00	-15.34	peak
2	5460.000	17.20	40.62	57.82	74.00	-16.18	peak
3	5470.000	17.06	40.63	57.69	68.20	-10.51	peak

Test Mode:	802.11ax HE80 AV	Channel:	5530
Polarity:	Vertical	Test Voltage:	DC 12 V



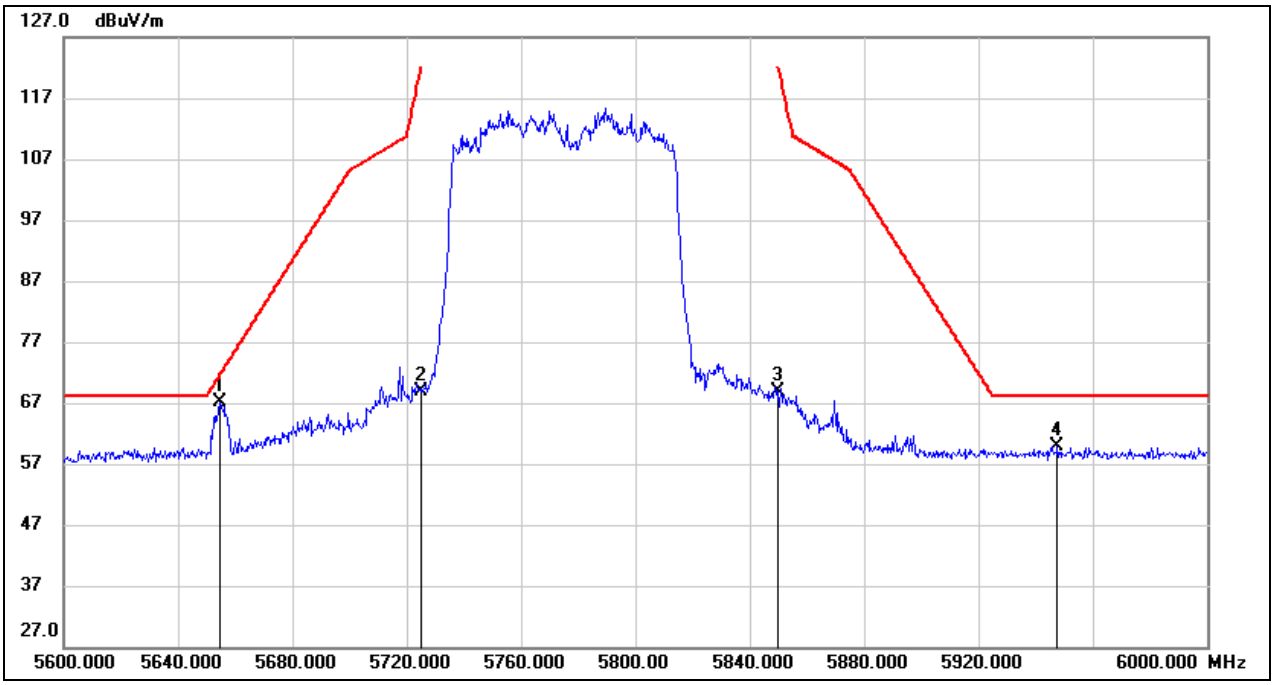
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5408.880	2.78	40.56	43.34	54.00	-10.66	AVG
2	5460.000	4.27	40.62	44.89	54.00	-9.11	AVG
3	5470.000	4.79	40.63	45.42	/	/	AVG

Test Mode:	802.11ax HE80 PK	Channel:	5610
Polarity:	Vertical	Test Voltage:	DC 12 V



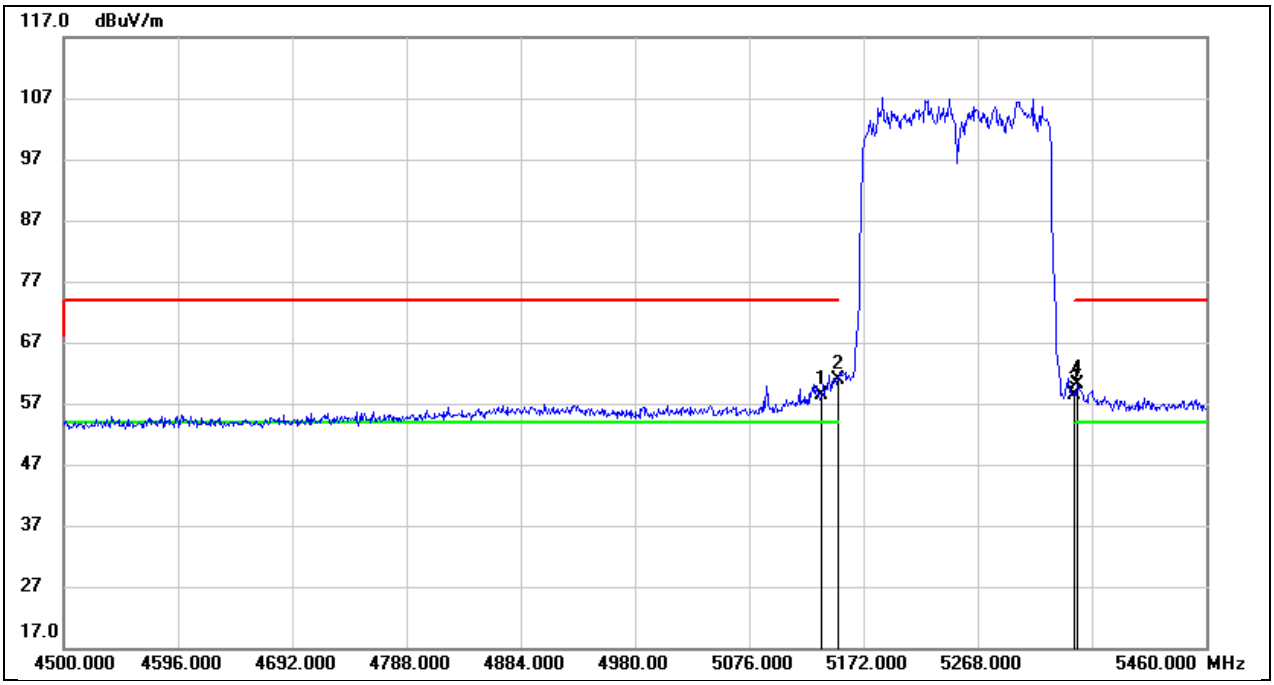
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	16.57	41.27	57.84	68.20	-10.36	peak
2	5751.600	18.25	41.33	59.58	68.20	-8.62	peak

Test Mode:	802.11ax HE80 PK	Channel:	5775
Polarity:	Vertical	Test Voltage:	DC 12 V



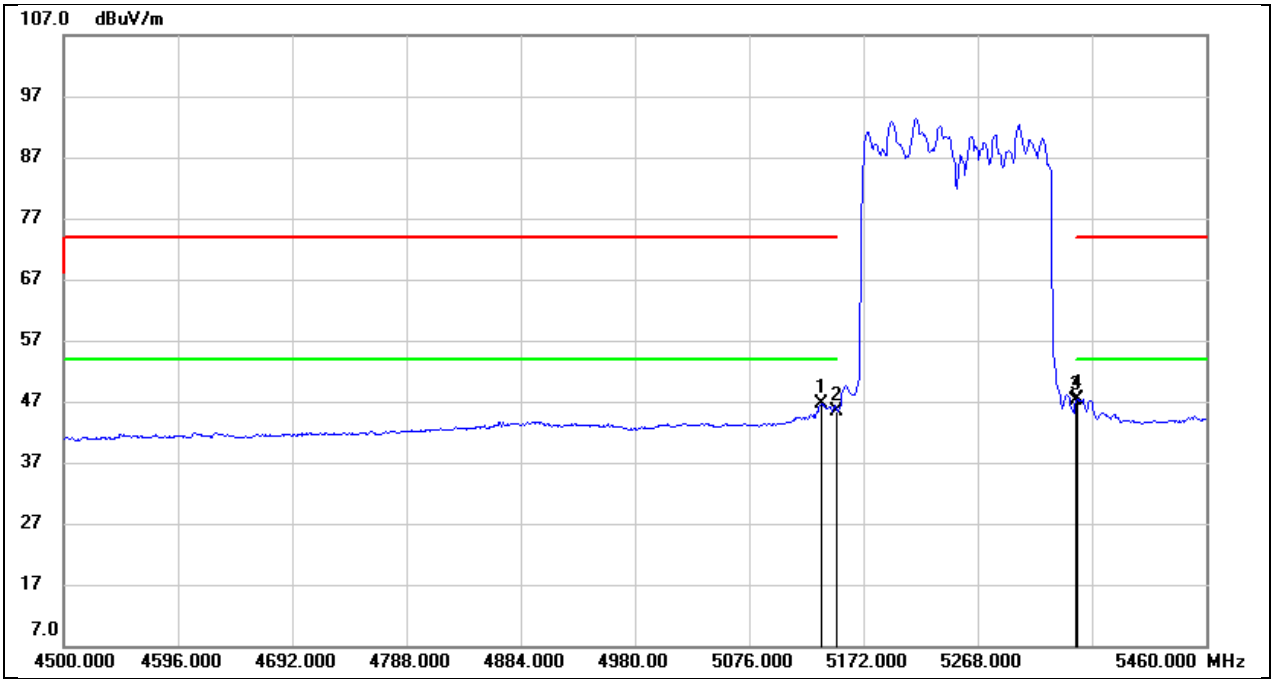
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5654.400	26.04	41.07	67.11	71.47	-4.36	peak
2	5725.000	27.53	41.27	68.80	122.20	-53.40	peak
3	5850.000	27.32	41.60	68.92	122.20	-53.28	peak
4	5947.600	17.94	41.86	59.80	68.20	-8.40	peak

Test Mode:	802.11ax HE80+80 PK	Channel:	5210+5290
Polarity:	Vertical	Test Voltage:	DC 12 V



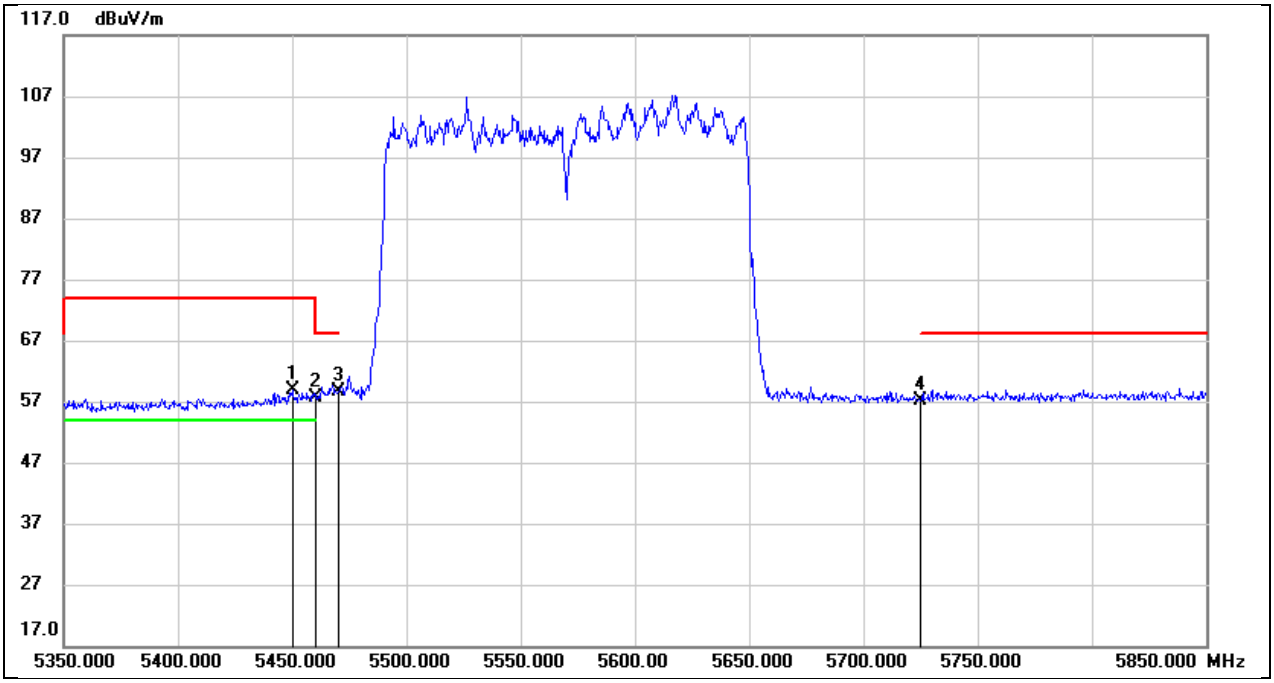
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5136.480	18.20	40.26	58.46	74.00	-15.54	peak
2	5150.000	20.50	40.27	60.77	74.00	-13.23	peak
3	5350.000	17.85	40.49	58.34	74.00	-15.66	peak
4	5351.520	19.53	40.49	60.02	74.00	-13.98	peak

Test Mode:	802.11ax HE80+80 AV	Channel:	5210+5290
Polarity:	Vertical	Test Voltage:	DC 12 V



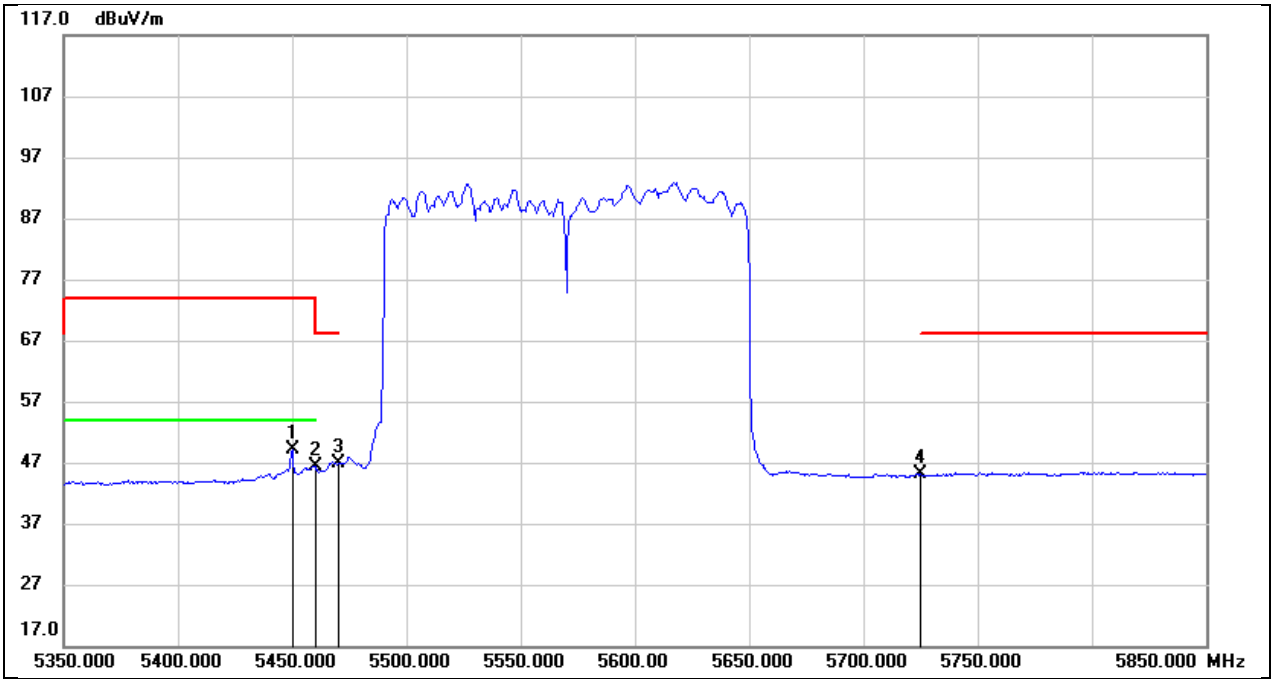
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5136.480	6.38	40.26	46.64	54.00	-7.36	AVG
2	5150.000	5.17	40.27	45.44	54.00	-8.56	AVG
3	5350.000	6.62	40.49	47.11	54.00	-6.89	AVG
4	5351.520	6.81	40.49	47.30	54.00	-6.70	AVG

Test Mode:	802.11ax HE80+80 PK	Channel:	5530+5610
Polarity:	Vertical	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5450.000	18.17	40.60	58.77	74.00	-15.23	peak
2	5460.000	17.11	40.62	57.73	74.00	-16.27	peak
3	5470.000	17.92	40.63	58.55	68.20	-9.65	peak
4	5725.000	15.96	41.27	57.23	68.20	-10.97	peak

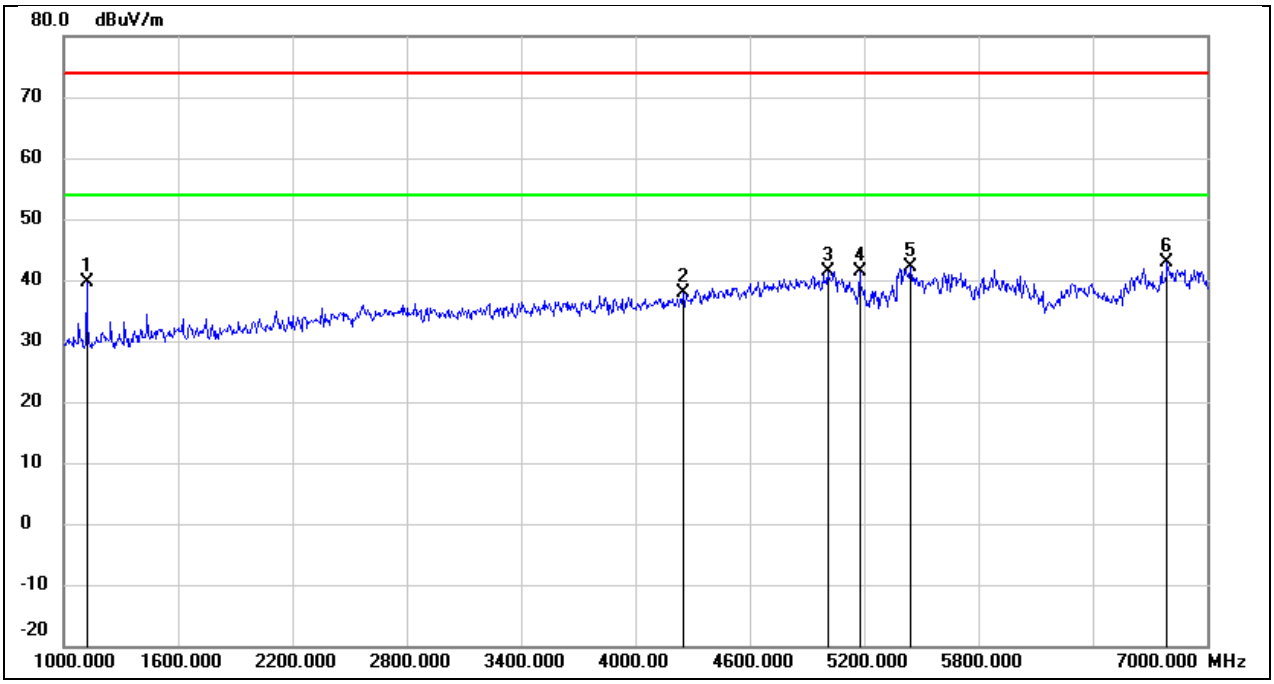
Test Mode:	802.11ax HE80+80 AV	Channel:	5530+5610
Polarity:	Vertical	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5450.000	8.53	40.60	49.13	54.00	-4.87	AVG
2	5460.000	5.65	40.62	46.27	54.00	-7.73	AVG
3	5470.000	6.20	40.63	46.83	/	/	AVG
4	5725.000	3.83	41.27	45.10	/	/	AVG

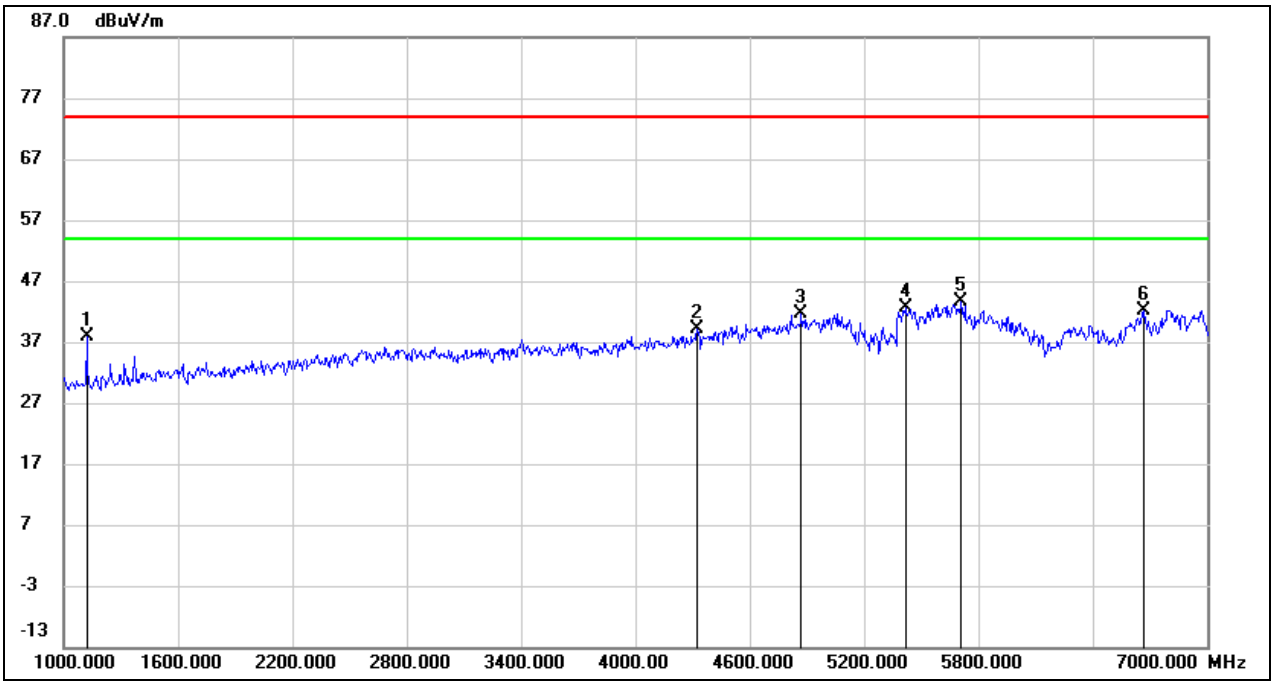
8.2. SPURIOUS EMISSIONS(1 GHZ~7 GHZ)

Test Mode:	802.11a 20	Channel:	5180
Polarity:	Horizontal	Test Voltage:	DC 12 V



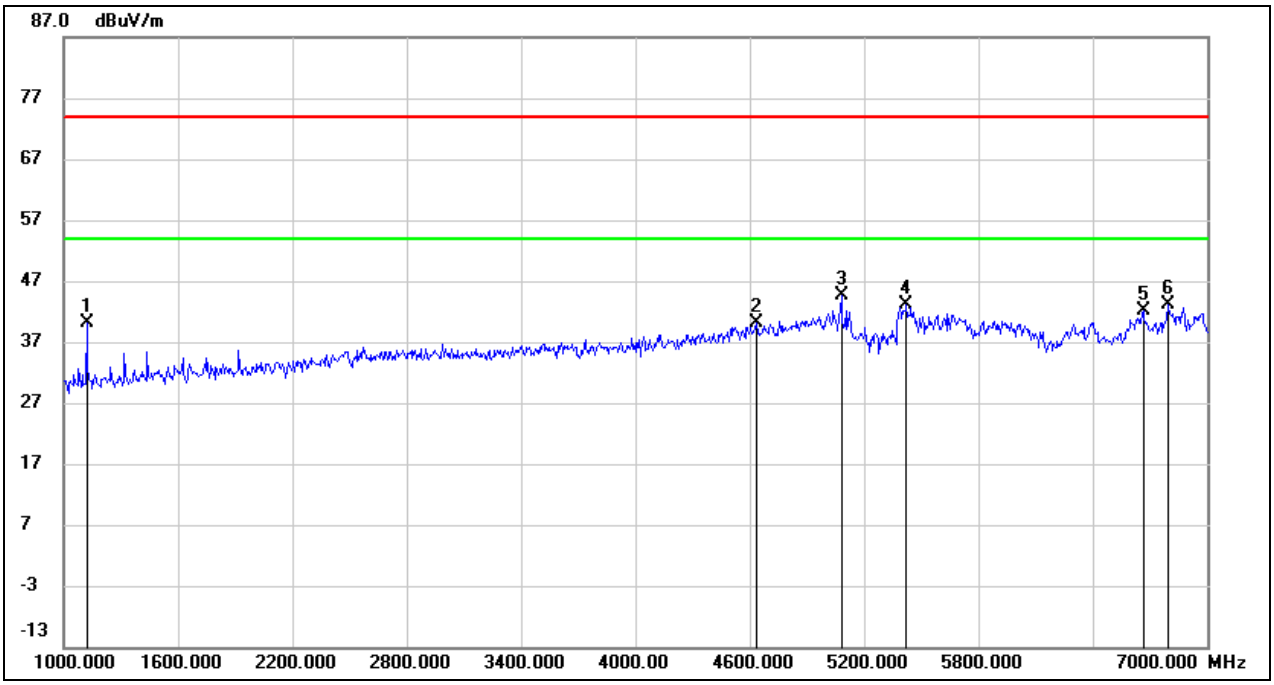
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	54.01	-14.47	39.54	74.00	-34.46	peak
2	4252.000	41.30	-3.30	38.00	74.00	-36.00	peak
3	5008.000	41.62	-0.14	41.48	74.00	-32.52	peak
4	5176.000	41.28	0.05	41.33	74.00	-32.67	peak
5	5440.000	41.71	0.35	42.06	74.00	-31.94	peak
6	6790.000	37.63	5.15	42.78	74.00	-31.22	peak

Test Mode:	802.11a 20	Channel:	5180
Polarity:	Vertical	Test Voltage:	DC 12 V



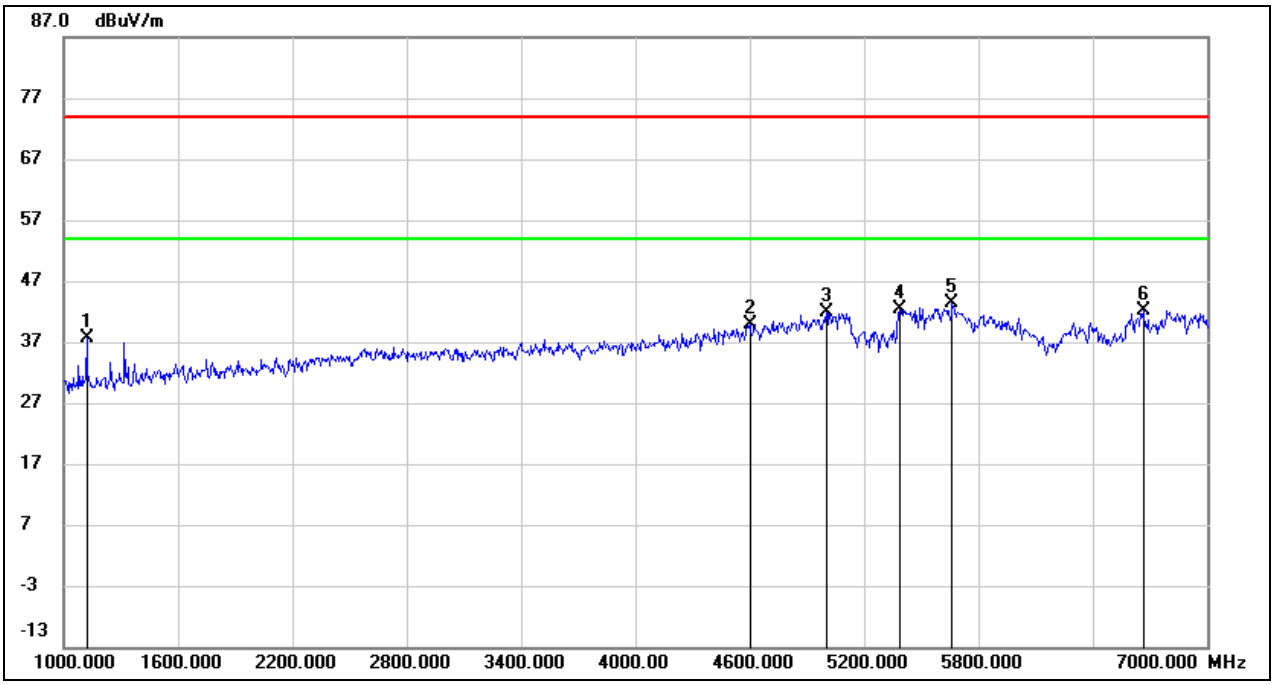
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	52.32	-14.47	37.85	74.00	-36.15	peak
2	4324.000	42.11	-2.96	39.15	74.00	-34.85	peak
3	4870.000	42.32	-0.66	41.66	74.00	-32.34	peak
4	5416.000	42.21	0.32	42.53	74.00	-31.47	peak
5	5710.000	42.65	1.02	43.67	74.00	-30.33	peak
6	6664.000	37.71	4.54	42.25	74.00	-31.75	peak

Test Mode:	802.11a 20	Channel:	5200
Polarity:	Horizontal	Test Voltage:	DC 12 V



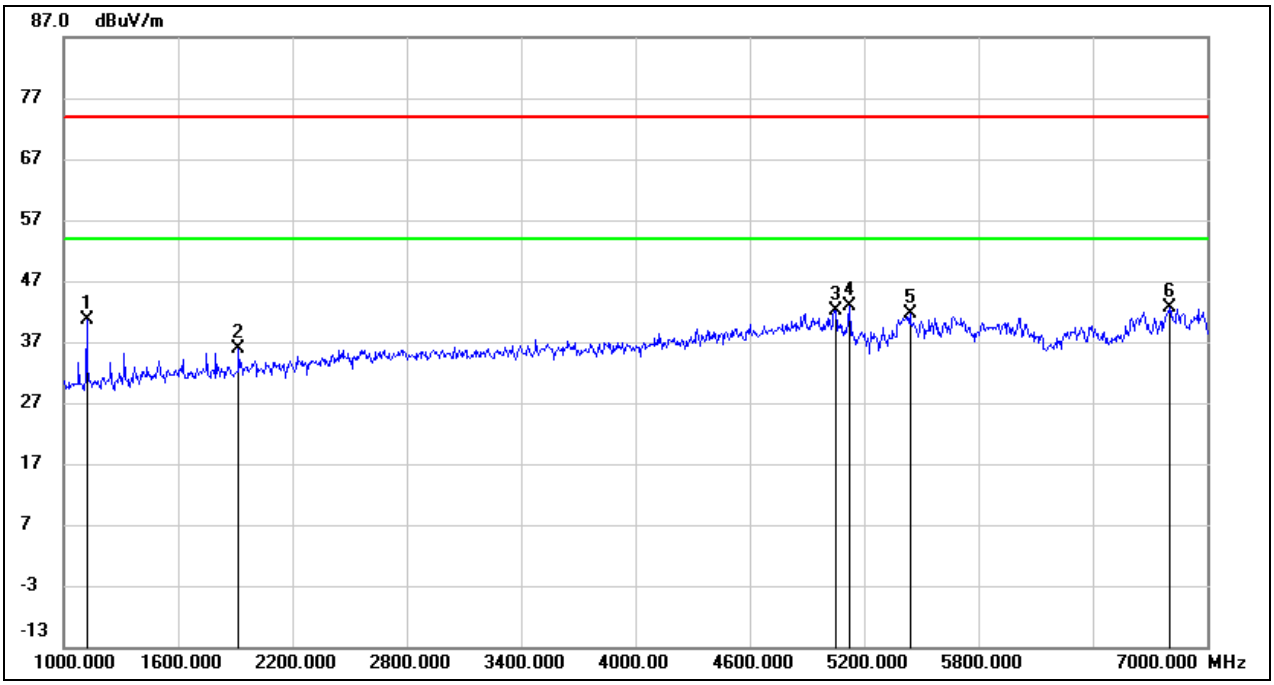
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	54.52	-14.47	40.05	74.00	-33.95	peak
2	4636.000	41.79	-1.59	40.20	74.00	-33.80	peak
3	5080.000	44.59	-0.06	44.53	74.00	-29.47	peak
4	5422.000	42.69	0.32	43.01	74.00	-30.99	peak
5	6664.000	37.62	4.54	42.16	74.00	-31.84	peak
6	6796.000	38.02	5.19	43.21	74.00	-30.79	peak

Test Mode:	802.11a 20	Channel:	5200
Polarity:	Vertical	Test Voltage:	DC 12 V



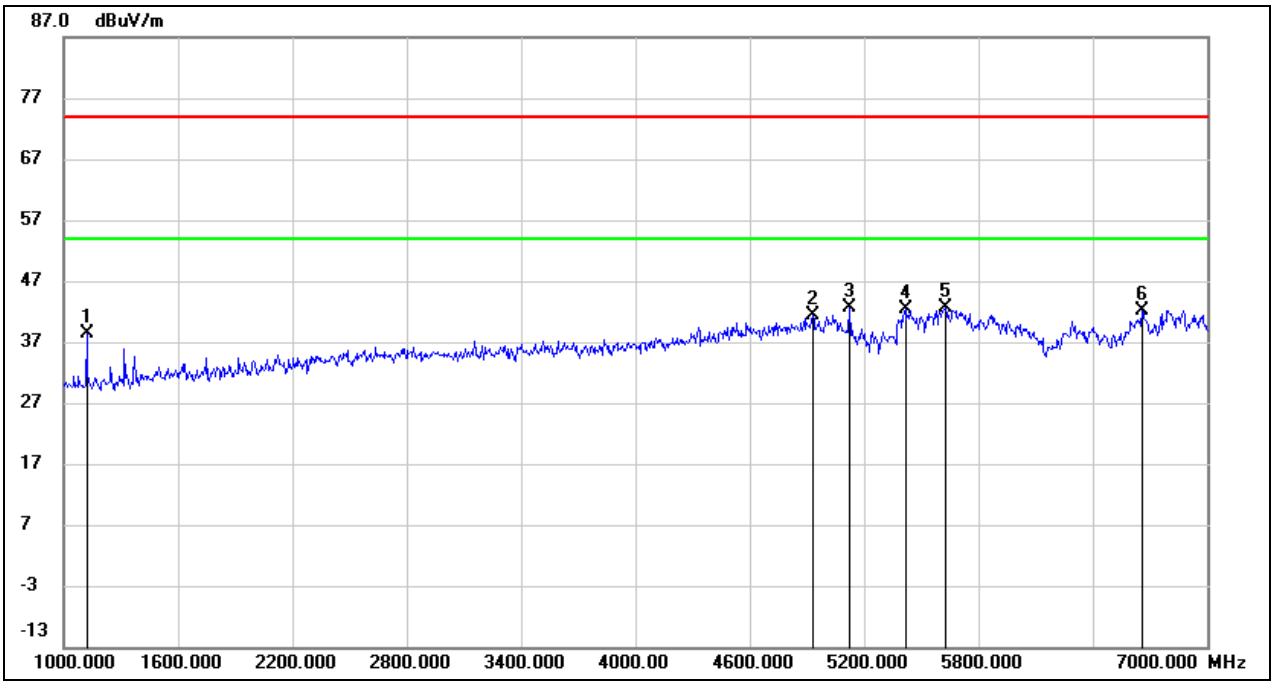
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	52.21	-14.47	37.74	74.00	-36.26	peak
2	4600.000	41.68	-1.74	39.94	74.00	-34.06	peak
3	5002.000	42.01	-0.15	41.86	74.00	-32.14	peak
4	5386.000	42.21	0.29	42.50	74.00	-31.50	peak
5	5662.000	42.49	0.89	43.38	74.00	-30.62	peak
6	6664.000	37.69	4.54	42.23	74.00	-31.77	peak

Test Mode:	802.11a 20	Channel:	5240
Polarity:	Horizontal	Test Voltage:	DC 12 V



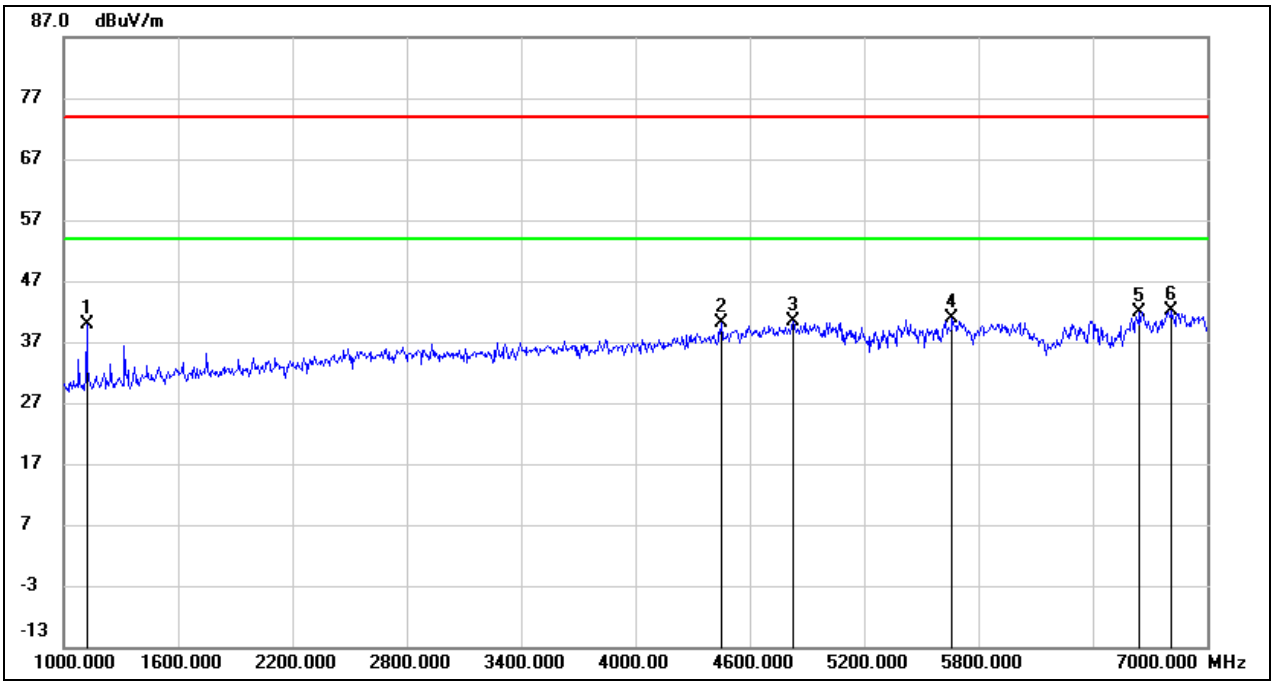
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	55.09	-14.47	40.62	74.00	-33.38	peak
2	1918.000	47.25	-11.33	35.92	74.00	-38.08	peak
3	5050.000	42.23	-0.09	42.14	74.00	-31.86	peak
4	5122.000	42.83	-0.02	42.81	74.00	-31.19	peak
5	5440.000	41.33	0.35	41.68	74.00	-32.32	peak
6	6802.000	37.43	5.21	42.64	74.00	-31.36	peak

Test Mode:	802.11a 20	Channel:	5240
Polarity:	Vertical	Test Voltage:	DC 12 V



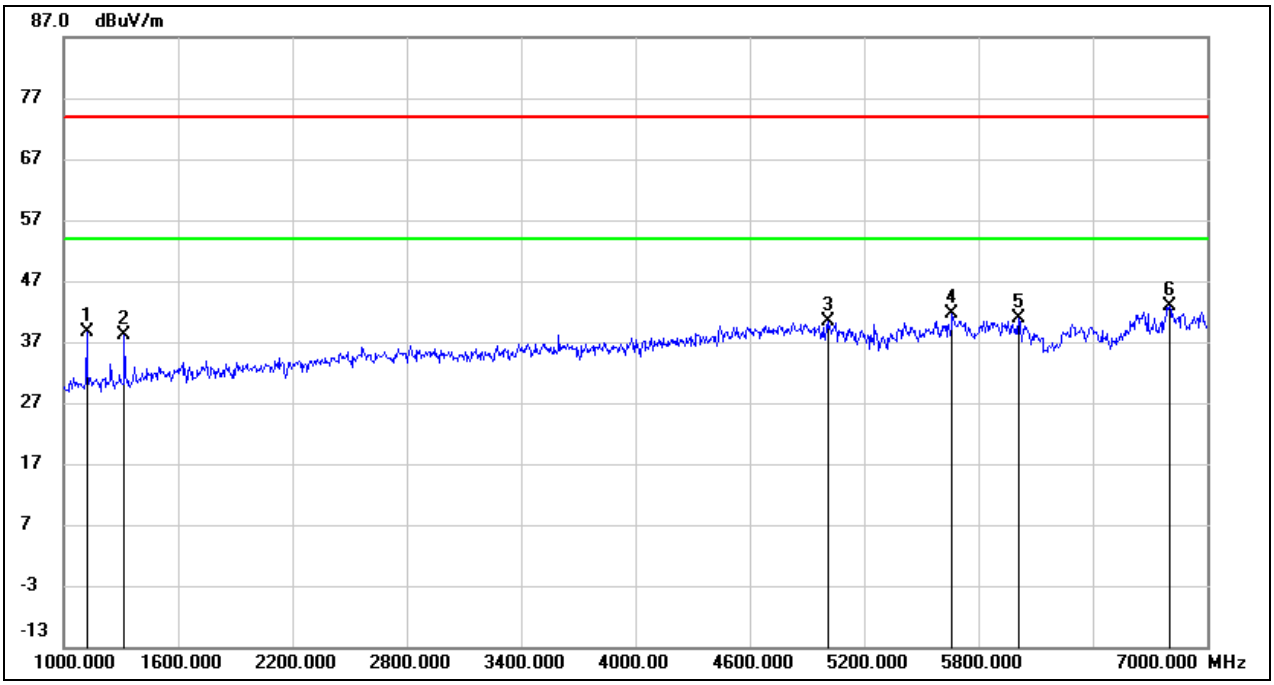
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	52.77	-14.47	38.30	74.00	-35.70	peak
2	4930.000	41.72	-0.43	41.29	74.00	-32.71	peak
3	5122.000	42.64	-0.02	42.62	74.00	-31.38	peak
4	5416.000	41.96	0.32	42.28	74.00	-31.72	peak
5	5626.000	41.73	0.78	42.51	74.00	-31.49	peak
6	6658.000	37.67	4.49	42.16	74.00	-31.84	peak

Test Mode:	802.11a 20	Channel:	5260
Polarity:	Horizontal	Test Voltage:	DC 12 V



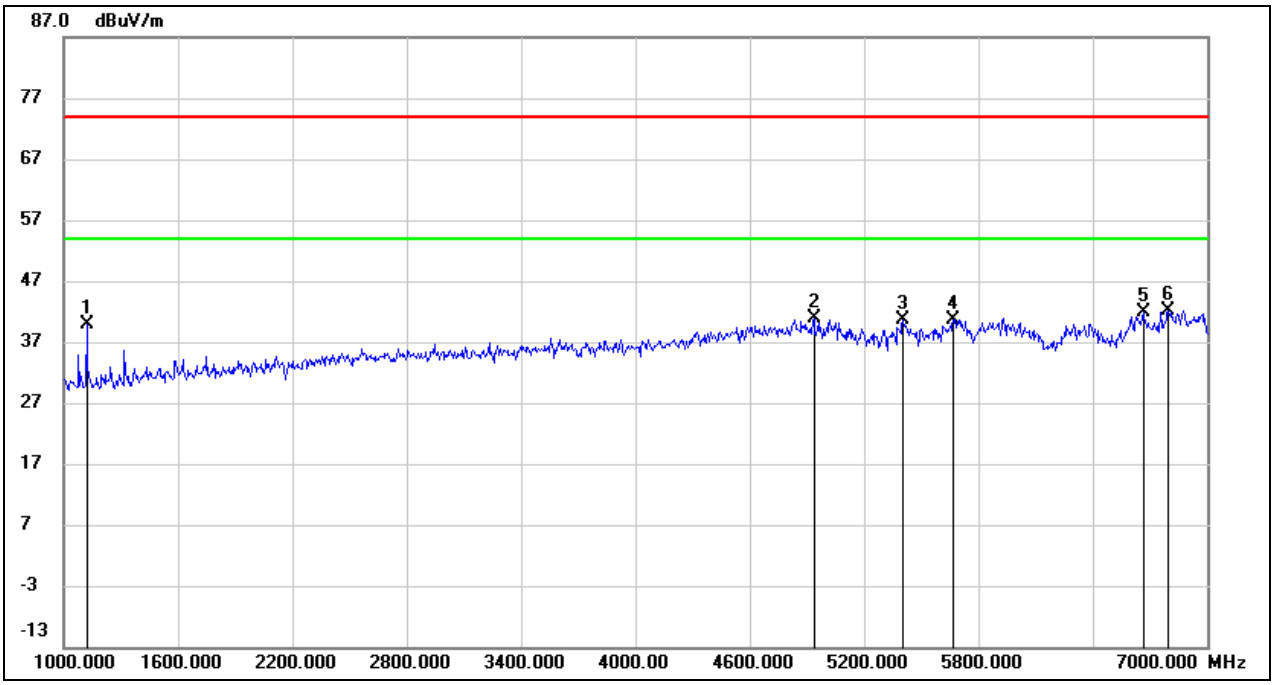
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	54.28	-14.47	39.81	74.00	-34.19	peak
2	4450.000	42.52	-2.37	40.15	74.00	-33.85	peak
3	4828.000	41.18	-0.83	40.35	74.00	-33.65	peak
4	5662.000	40.08	0.89	40.97	74.00	-33.03	peak
5	6646.000	37.53	4.44	41.97	74.00	-32.03	peak
6	6814.000	36.78	5.28	42.06	74.00	-31.94	peak

Test Mode:	802.11a 20	Channel:	5260
Polarity:	Vertical	Test Voltage:	DC 12 V



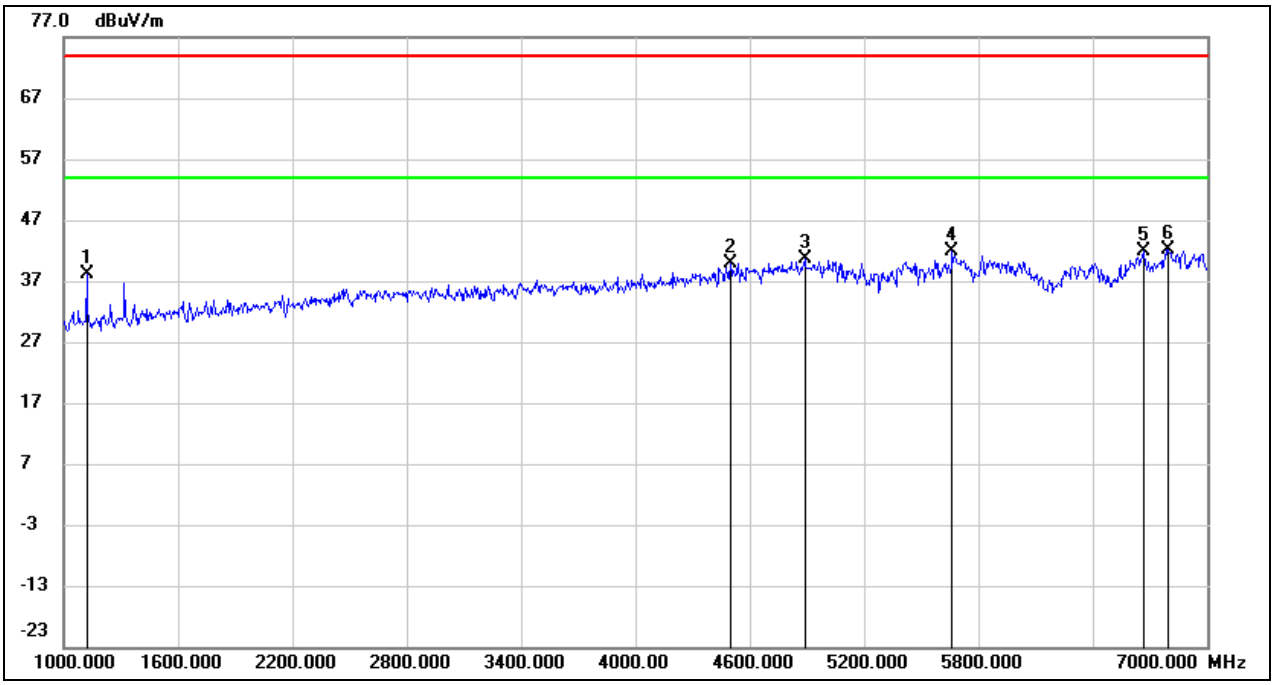
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	53.01	-14.47	38.54	74.00	-35.46	peak
2	1318.000	51.72	-13.56	38.16	74.00	-35.84	peak
3	5008.000	40.44	-0.14	40.30	74.00	-33.70	peak
4	5662.000	40.70	0.89	41.59	74.00	-32.41	peak
5	6010.000	39.03	1.89	40.92	74.00	-33.08	peak
6	6802.000	37.75	5.21	42.96	74.00	-31.04	peak

Test Mode:	802.11a 20	Channel:	5280
Polarity:	Horizontal	Test Voltage:	DC 12 V



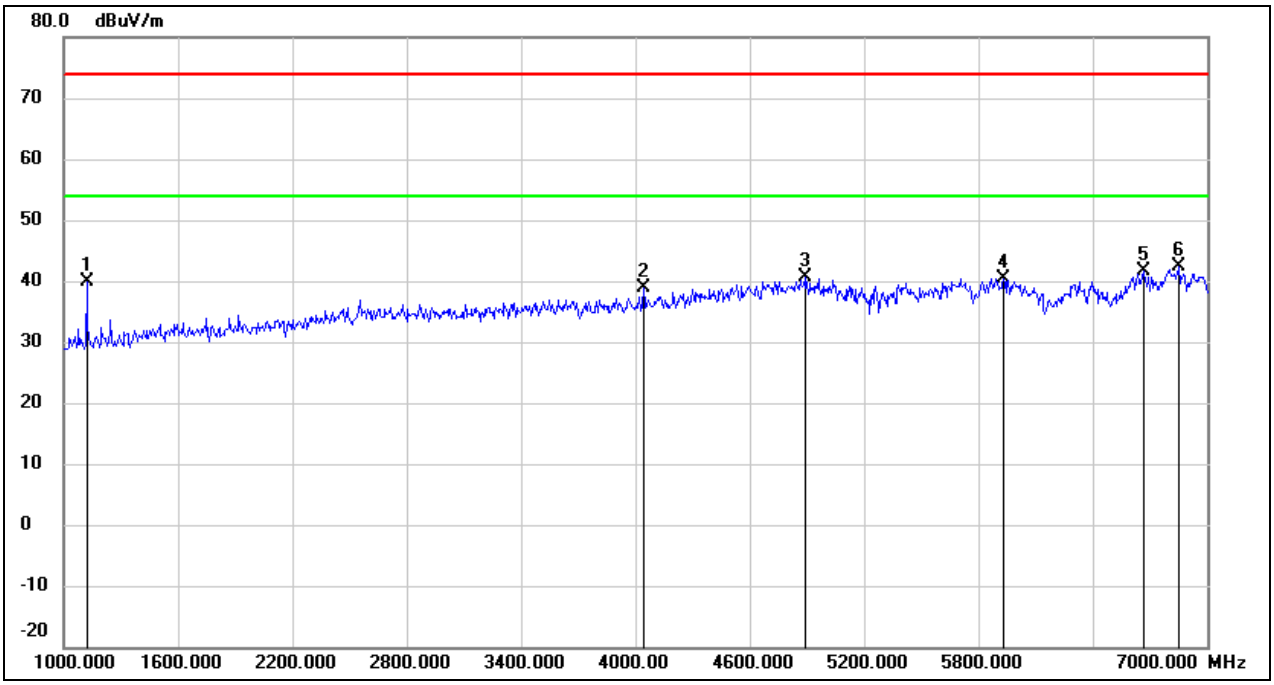
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	54.45	-14.47	39.98	74.00	-34.02	peak
2	4936.000	41.17	-0.40	40.77	74.00	-33.23	peak
3	5404.000	40.20	0.31	40.51	74.00	-33.49	peak
4	5668.000	39.82	0.91	40.73	74.00	-33.27	peak
5	6664.000	37.36	4.54	41.90	74.00	-32.10	peak
6	6796.000	36.82	5.19	42.01	74.00	-31.99	peak

Test Mode:	802.11a 20	Channel:	5280
Polarity:	Vertical	Test Voltage:	DC 12 V



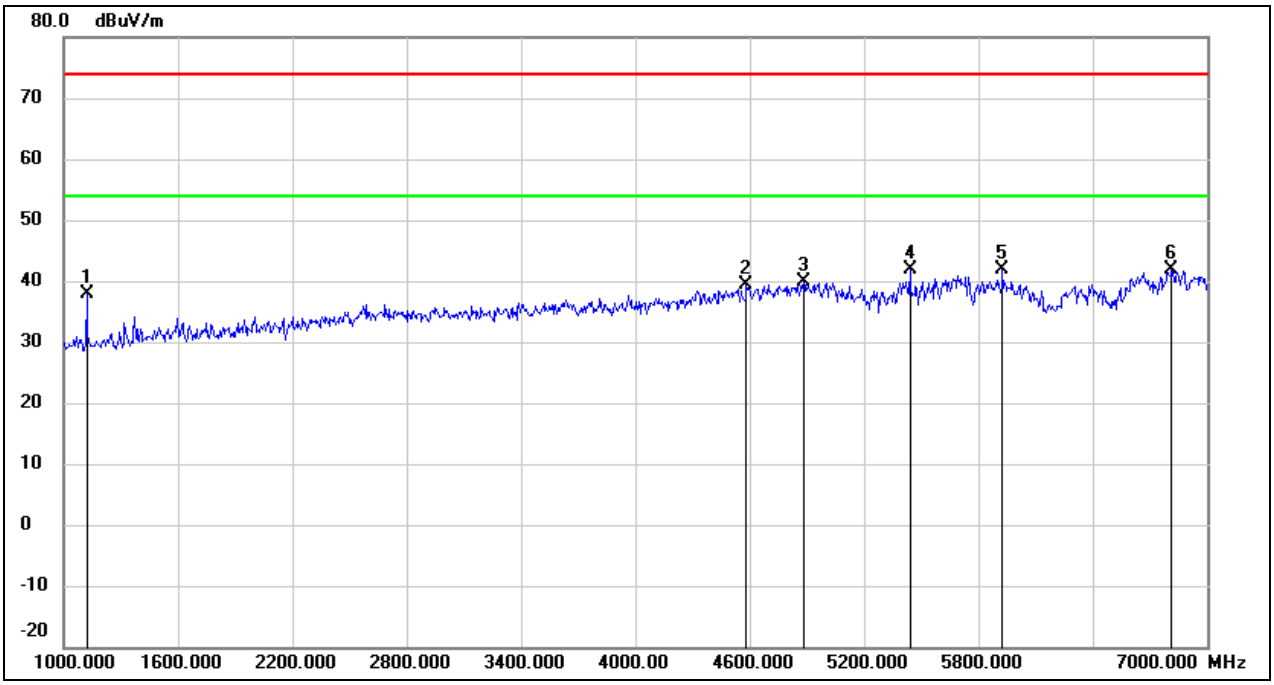
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	52.72	-14.47	38.25	74.00	-35.75	peak
2	4498.000	42.06	-2.14	39.92	74.00	-34.08	peak
3	4888.000	41.17	-0.60	40.57	74.00	-33.43	peak
4	5662.000	41.03	0.89	41.92	74.00	-32.08	peak
5	6664.000	37.30	4.54	41.84	74.00	-32.16	peak
6	6796.000	36.92	5.19	42.11	74.00	-31.89	peak

Test Mode:	802.11a 20	Channel:	5320
Polarity:	Horizontal	Test Voltage:	DC 12 V



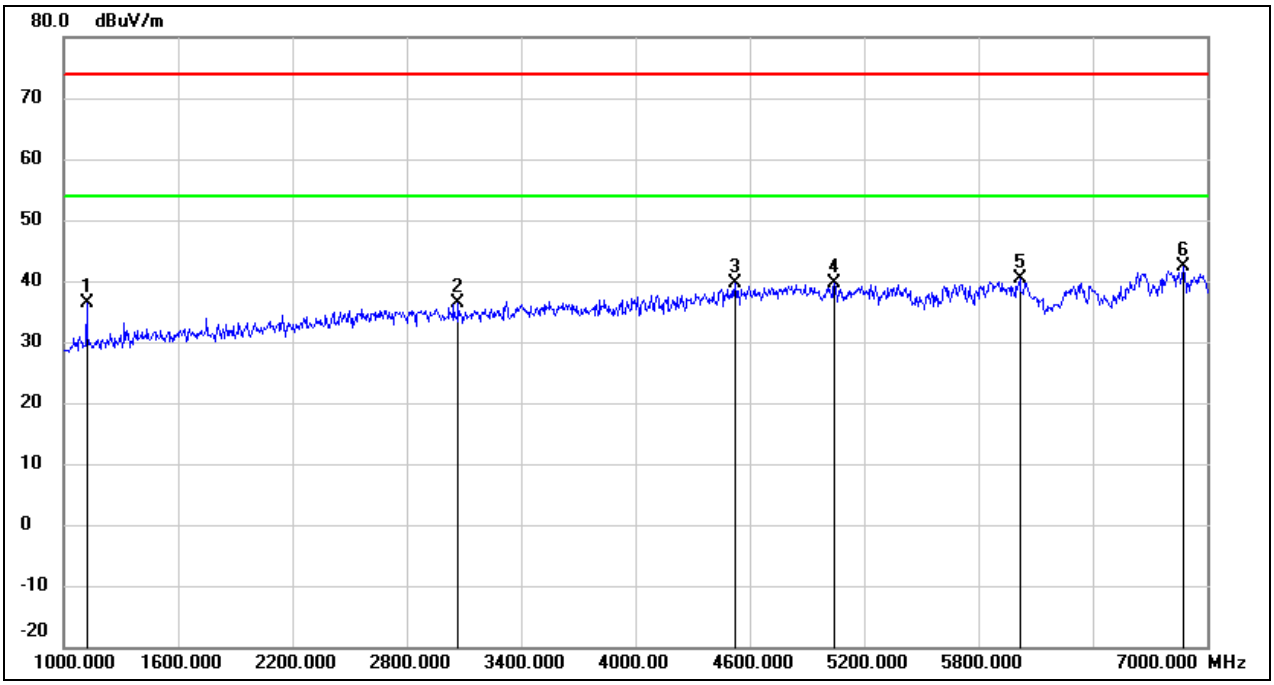
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	54.37	-14.47	39.90	74.00	-34.10	peak
2	4042.000	43.23	-4.29	38.94	74.00	-35.06	peak
3	4888.000	41.21	-0.60	40.61	74.00	-33.39	peak
4	5932.000	38.85	1.65	40.50	74.00	-33.50	peak
5	6664.000	36.98	4.54	41.52	74.00	-32.48	peak
6	6850.000	36.82	5.46	42.28	74.00	-31.72	peak

Test Mode:	802.11a 20	Channel:	5320
Polarity:	Vertical	Test Voltage:	DC 12 V



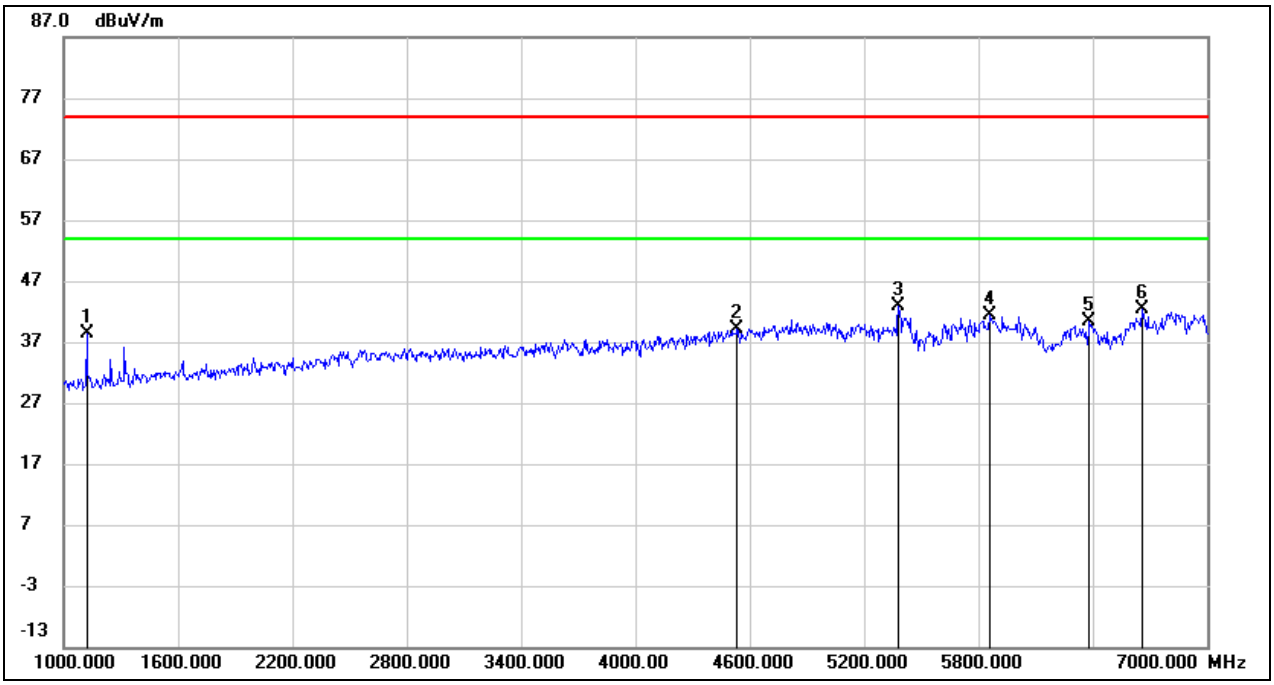
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	52.25	-14.47	37.78	74.00	-36.22	peak
2	4582.000	41.29	-1.82	39.47	74.00	-34.53	peak
3	4882.000	40.40	-0.62	39.78	74.00	-34.22	peak
4	5440.000	41.43	0.35	41.78	74.00	-32.22	peak
5	5926.000	40.15	1.64	41.79	74.00	-32.21	peak
6	6814.000	36.59	5.28	41.87	74.00	-32.13	peak

Test Mode:	802.11a 20	Channel:	5500
Polarity:	Horizontal	Test Voltage:	DC 12 V



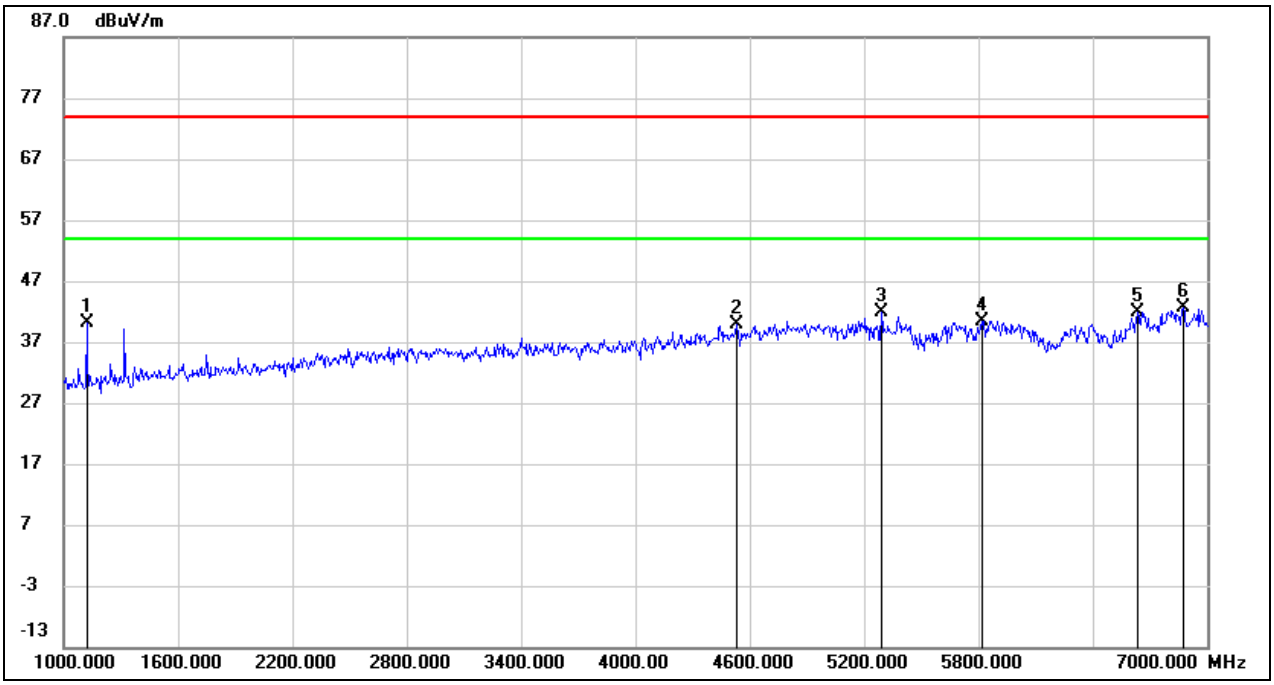
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	50.96	-14.47	36.49	74.00	-37.51	peak
2	3070.000	43.22	-6.82	36.40	74.00	-37.60	peak
3	4522.000	41.75	-2.05	39.70	74.00	-34.30	peak
4	5044.000	39.72	-0.10	39.62	74.00	-34.38	peak
5	6016.000	38.36	1.91	40.27	74.00	-33.73	peak
6	6874.000	36.73	5.57	42.30	74.00	-31.70	peak

Test Mode:	802.11a 20	Channel:	5500
Polarity:	Vertical	Test Voltage:	DC 12 V



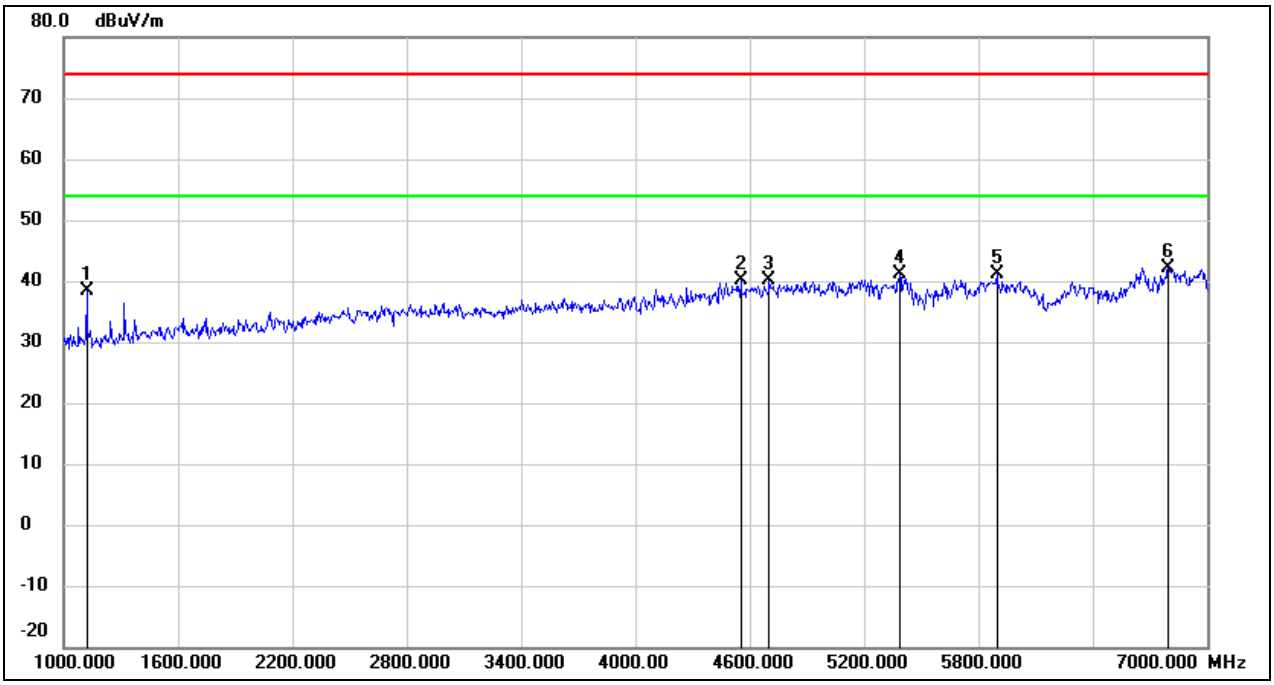
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	52.96	-14.47	38.49	74.00	-35.51	peak
2	4534.000	41.20	-2.01	39.19	74.00	-34.81	peak
3	5380.000	42.48	0.29	42.77	74.00	-31.23	peak
4	5860.000	39.82	1.45	41.27	74.00	-32.73	peak
5	6382.000	37.05	3.28	40.33	74.00	-33.67	peak
6	6658.000	37.97	4.49	42.46	74.00	-31.54	peak

Test Mode:	802.11a 20	Channel:	5580
Polarity:	Horizontal	Test Voltage:	DC 12 V



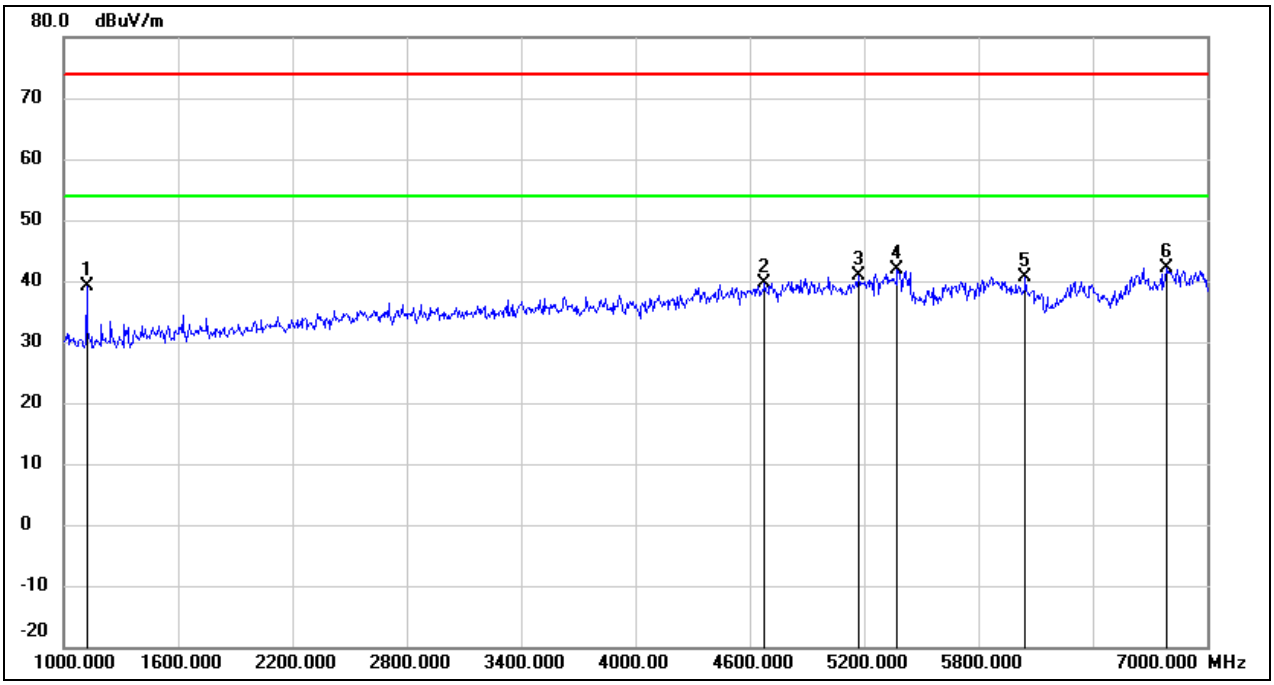
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	54.53	-14.47	40.06	74.00	-33.94	peak
2	4528.000	41.87	-2.03	39.84	74.00	-34.16	peak
3	5290.000	41.63	0.18	41.81	74.00	-32.19	peak
4	5818.000	39.12	1.33	40.45	74.00	-33.55	peak
5	6634.000	37.53	4.38	41.91	74.00	-32.09	peak
6	6874.000	36.97	5.57	42.54	74.00	-31.46	peak

Test Mode:	802.11a 20	Channel:	5580
Polarity:	Vertical	Test Voltage:	DC 12 V



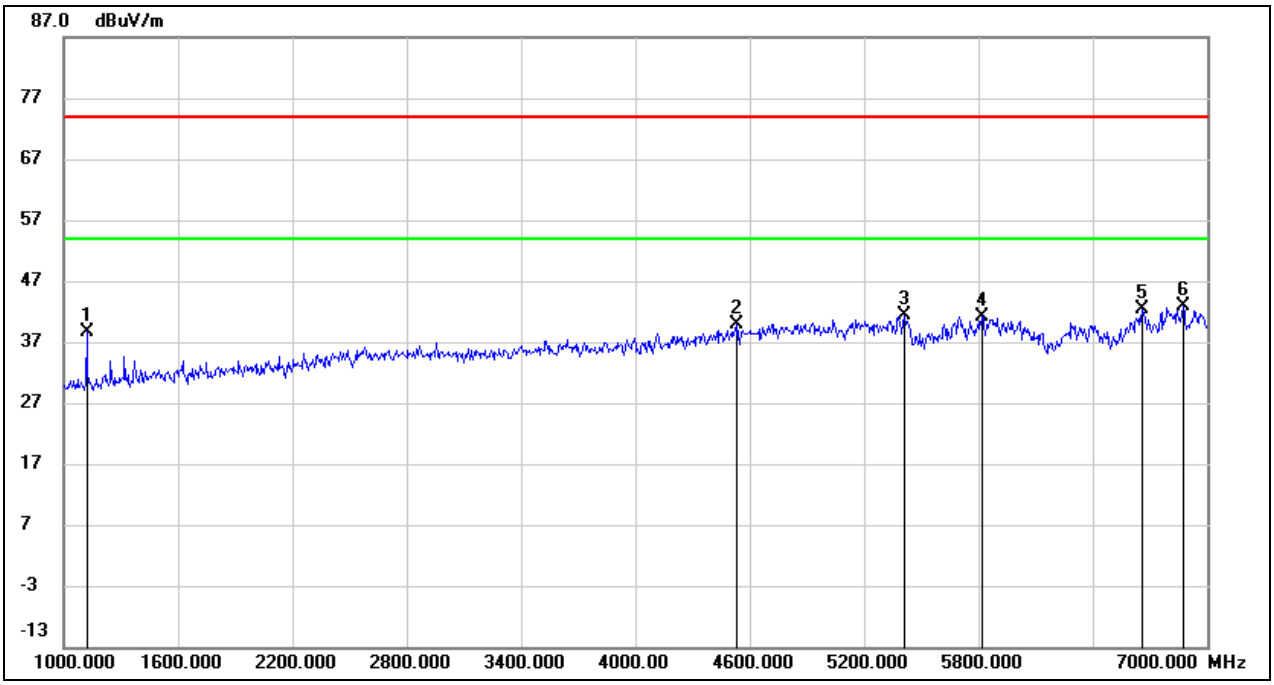
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	52.91	-14.47	38.44	74.00	-35.56	peak
2	4552.000	42.10	-1.93	40.17	74.00	-33.83	peak
3	4702.000	41.40	-1.34	40.06	74.00	-33.94	peak
4	5386.000	40.73	0.29	41.02	74.00	-32.98	peak
5	5896.000	39.47	1.56	41.03	74.00	-32.97	peak
6	6796.000	36.95	5.19	42.14	74.00	-31.86	peak

Test Mode:	802.11a 20	Channel:	5700
Polarity:	Horizontal	Test Voltage:	DC 12 V



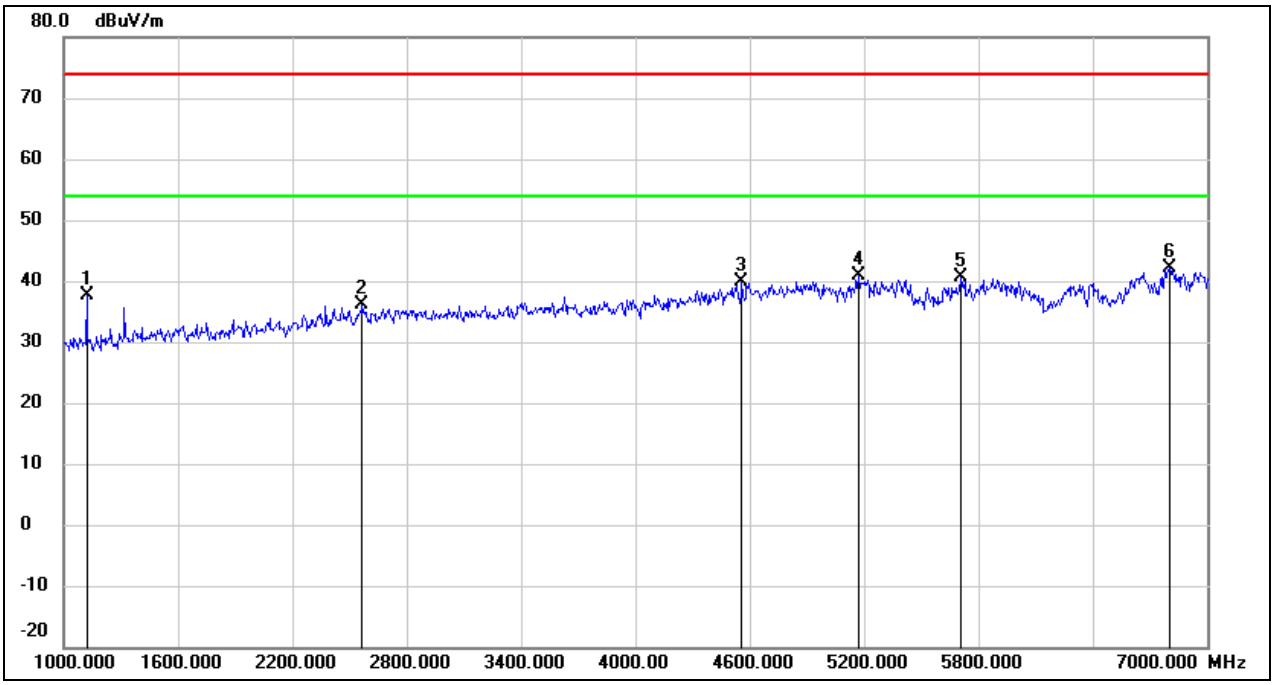
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	53.56	-14.47	39.09	74.00	-34.91	peak
2	4678.000	41.18	-1.44	39.74	74.00	-34.26	peak
3	5170.000	40.94	0.05	40.99	74.00	-33.01	peak
4	5374.000	41.63	0.28	41.91	74.00	-32.09	peak
5	6046.000	38.60	2.02	40.62	74.00	-33.38	peak
6	6790.000	37.09	5.15	42.24	74.00	-31.76	peak

Test Mode:	802.11a 20	Channel:	5700
Polarity:	Vertical	Test Voltage:	DC 12 V



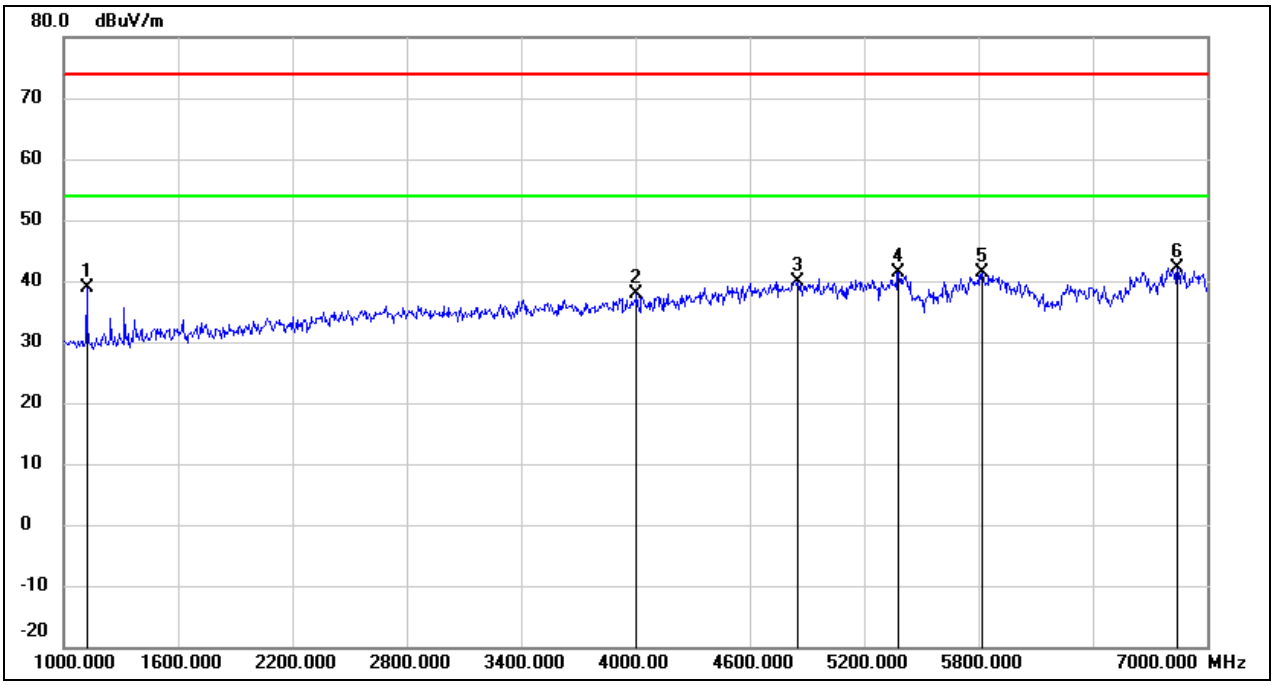
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	53.19	-14.47	38.72	74.00	-35.28	peak
2	4534.000	41.78	-2.01	39.77	74.00	-34.23	peak
3	5410.000	41.02	0.32	41.34	74.00	-32.66	peak
4	5818.000	39.86	1.33	41.19	74.00	-32.81	peak
5	6658.000	37.79	4.49	42.28	74.00	-31.72	peak
6	6874.000	37.26	5.57	42.83	74.00	-31.17	peak

Test Mode:	802.11a 20	Channel:	5720
Polarity:	Horizontal	Test Voltage:	DC 12 V



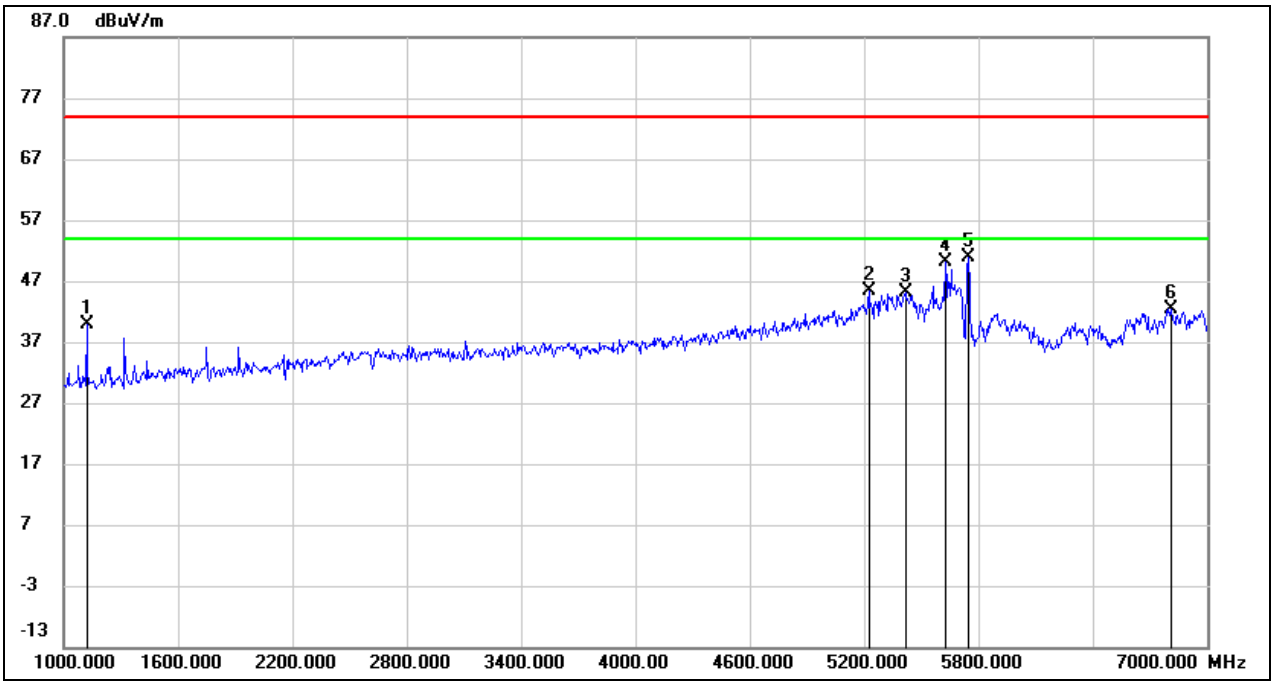
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	52.08	-14.47	37.61	74.00	-36.39	peak
2	2566.000	44.42	-8.29	36.13	74.00	-37.87	peak
3	4558.000	41.76	-1.91	39.85	74.00	-34.15	peak
4	5170.000	40.92	0.05	40.97	74.00	-33.03	peak
5	5710.000	39.69	1.02	40.71	74.00	-33.29	peak
6	6802.000	36.91	5.21	42.12	74.00	-31.88	peak

Test Mode:	802.11a 20	Channel:	5720
Polarity:	Vertical	Test Voltage:	DC 12 V



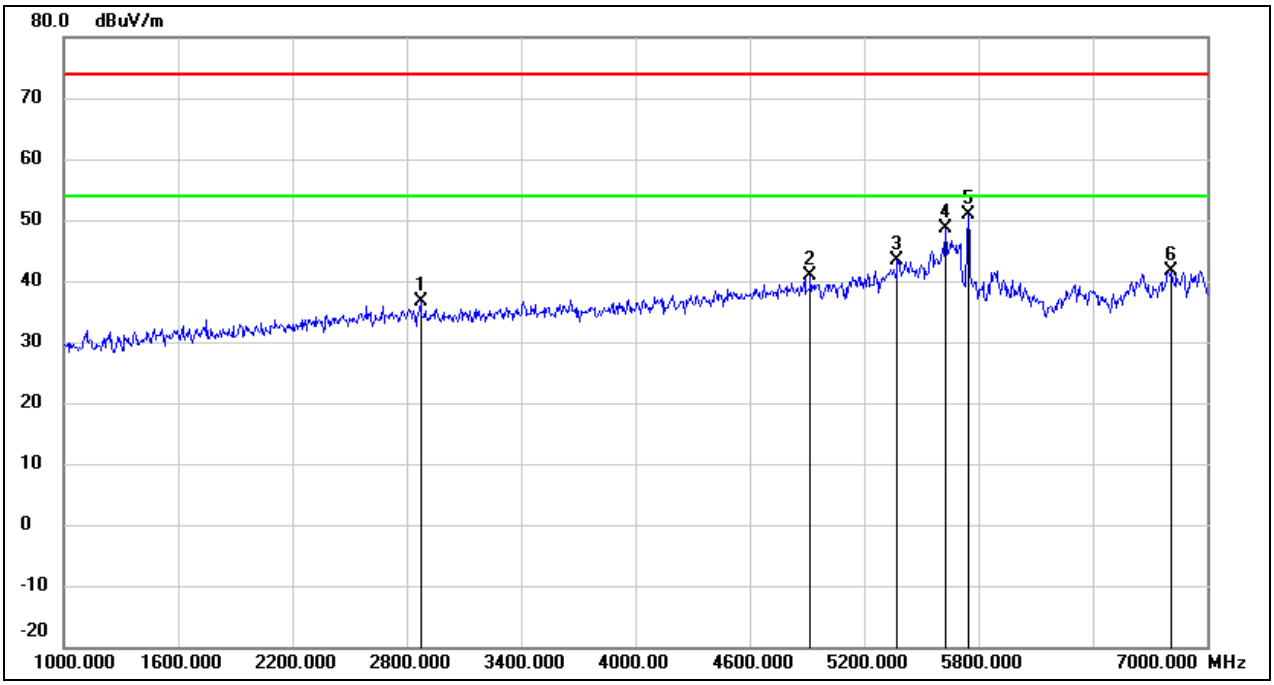
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	53.37	-14.47	38.90	74.00	-35.10	peak
2	4006.000	42.30	-4.46	37.84	74.00	-36.16	peak
3	4852.000	40.63	-0.74	39.89	74.00	-34.11	peak
4	5380.000	41.08	0.29	41.37	74.00	-32.63	peak
5	5818.000	40.15	1.33	41.48	74.00	-32.52	peak
6	6844.000	36.73	5.43	42.16	74.00	-31.84	peak

Test Mode:	802.11a 20	Channel:	5745
Polarity:	Horizontal	Test Voltage:	DC 12 V



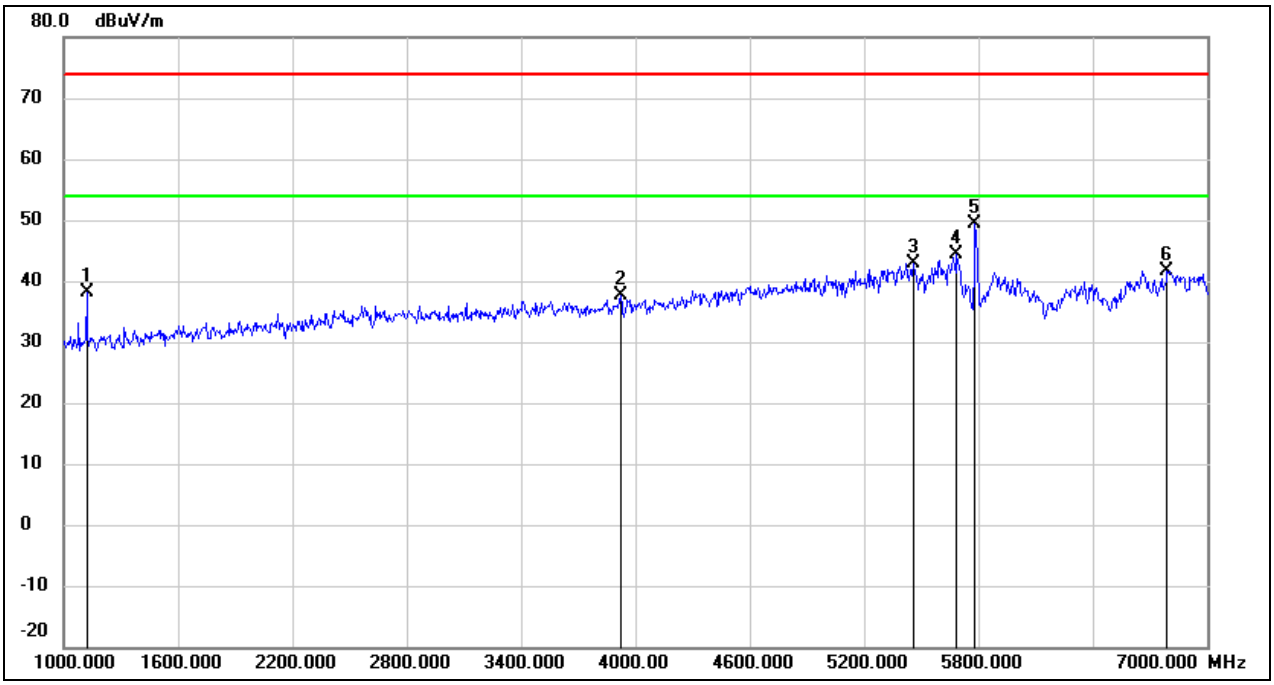
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	54.39	-14.47	39.92	74.00	-34.08	peak
2	5224.000	45.16	0.10	45.26	74.00	-28.74	peak
3	5416.000	44.78	0.32	45.10	74.00	-28.90	peak
4	5626.000	49.37	0.78	50.15	74.00	-23.85	peak
5	5746.000	49.79	1.12	50.91	74.00	-23.09	peak
6	6808.000	37.07	5.24	42.31	74.00	-31.69	peak

Test Mode:	802.11a 20	Channel:	5745
Polarity:	Vertical	Test Voltage:	DC 12 V



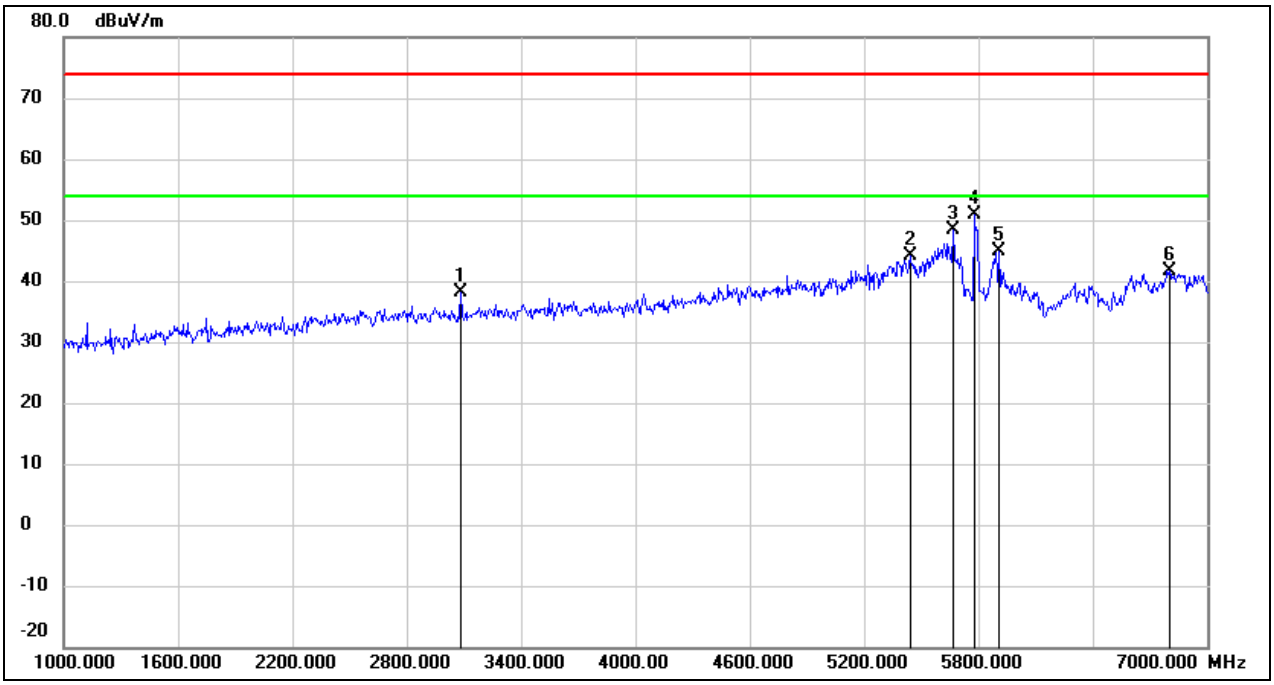
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2872.000	44.02	-7.37	36.65	74.00	-37.35	peak
2	4918.000	41.26	-0.47	40.79	74.00	-33.21	peak
3	5374.000	43.11	0.28	43.39	74.00	-30.61	peak
4	5626.000	47.75	0.78	48.53	74.00	-25.47	peak
5	5746.000	49.86	1.12	50.98	74.00	-23.02	peak
6	6814.000	36.26	5.28	41.54	74.00	-32.46	peak

Test Mode:	802.11a 20	Channel:	5785
Polarity:	Horizontal	Test Voltage:	DC 12 V



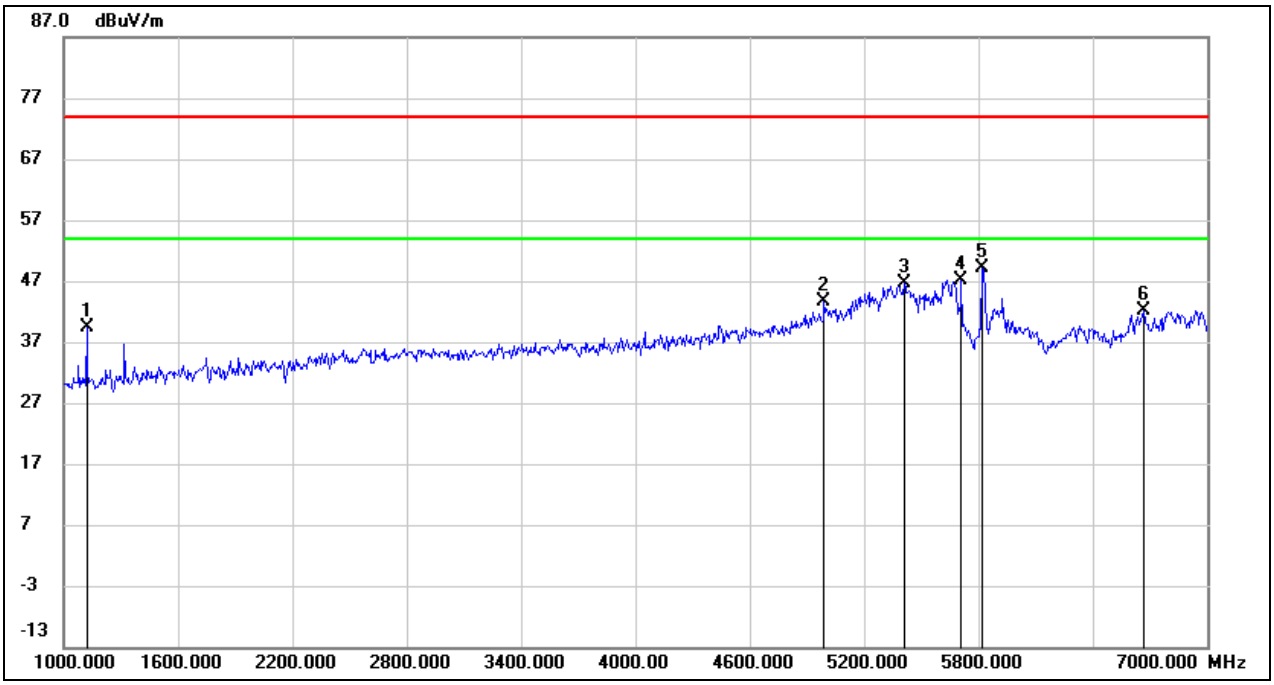
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	52.51	-14.47	38.04	74.00	-35.96	peak
2	3922.000	42.33	-4.70	37.63	74.00	-36.37	peak
3	5458.000	42.62	0.38	43.00	74.00	-31.00	peak
4	5686.000	43.47	0.96	44.43	74.00	-29.57	peak
5	5782.000	48.06	1.23	49.29	74.00	-24.71	peak
6	6790.000	36.58	5.15	41.73	74.00	-32.27	peak

Test Mode:	802.11a 20	Channel:	5785
Polarity:	Vertical	Test Voltage:	DC 12 V



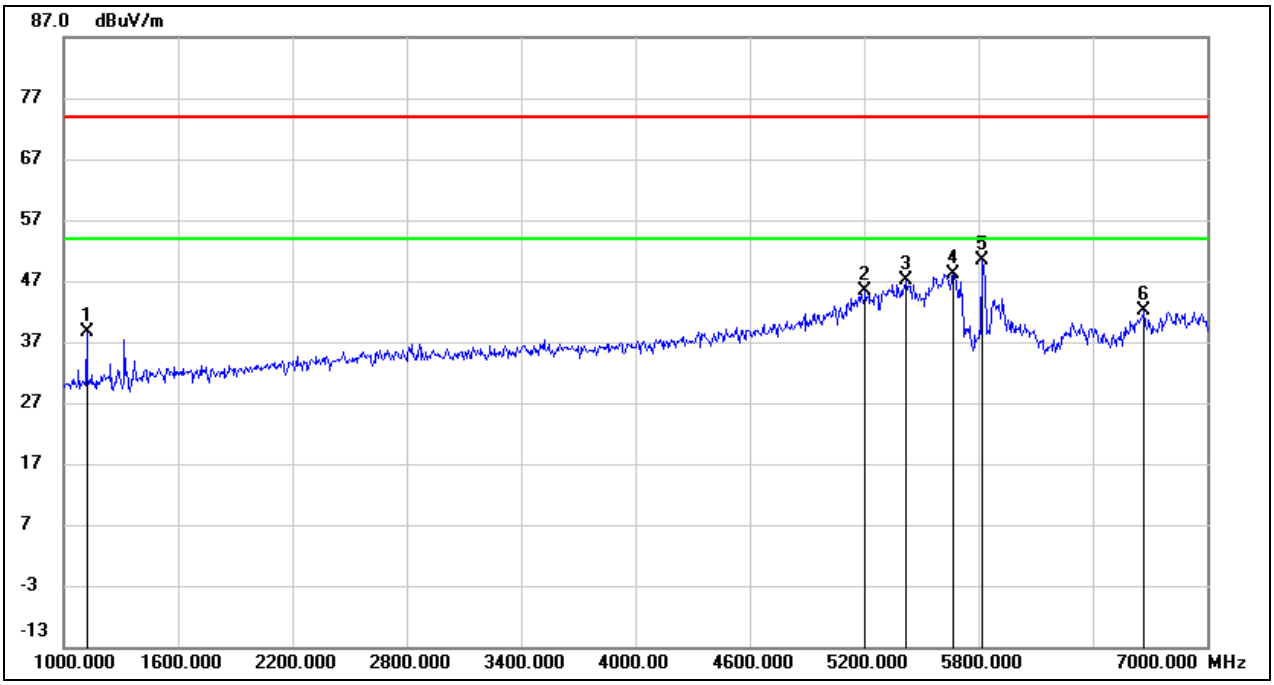
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3082.000	44.99	-6.80	38.19	74.00	-35.81	peak
2	5440.000	43.68	0.35	44.03	74.00	-29.97	peak
3	5668.000	47.53	0.91	48.44	74.00	-25.56	peak
4	5776.000	49.58	1.22	50.80	74.00	-23.20	peak
5	5908.000	43.34	1.59	44.93	74.00	-29.07	peak
6	6802.000	36.48	5.21	41.69	74.00	-32.31	peak

Test Mode:	802.11a 20	Channel:	5825
Polarity:	Horizontal	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	53.87	-14.47	39.40	74.00	-34.60	peak
2	4990.000	43.82	-0.19	43.63	74.00	-30.37	peak
3	5410.000	46.23	0.32	46.55	74.00	-27.45	peak
4	5710.000	46.20	1.02	47.22	74.00	-26.78	peak
5	5818.000	47.80	1.33	49.13	74.00	-24.87	peak
6	6670.000	37.58	4.57	42.15	74.00	-31.85	peak

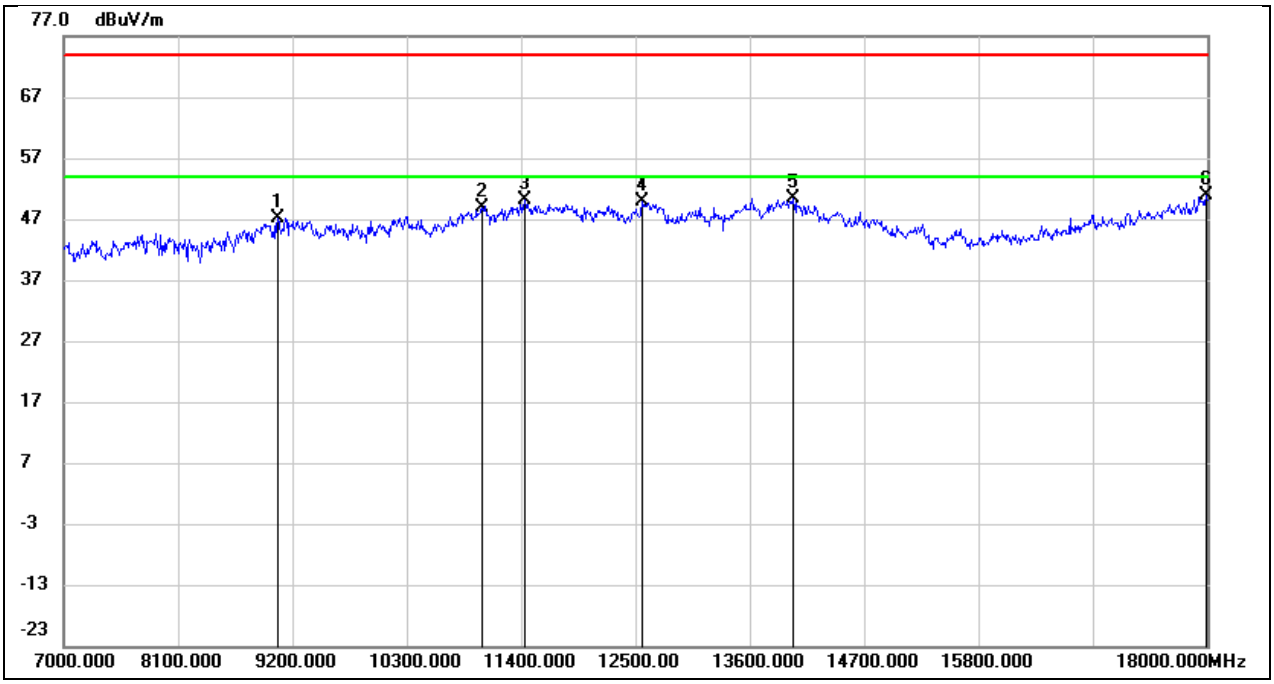
Test Mode:	802.11a 20	Channel:	5825
Polarity:	Vertical	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	53.04	-14.47	38.57	74.00	-35.43	peak
2	5206.000	45.36	0.08	45.44	74.00	-28.56	peak
3	5422.000	46.82	0.32	47.14	74.00	-26.86	peak
4	5668.000	47.27	0.91	48.18	74.00	-25.82	peak
5	5818.000	48.99	1.33	50.32	74.00	-23.68	peak
6	6670.000	37.52	4.57	42.09	74.00	-31.91	peak

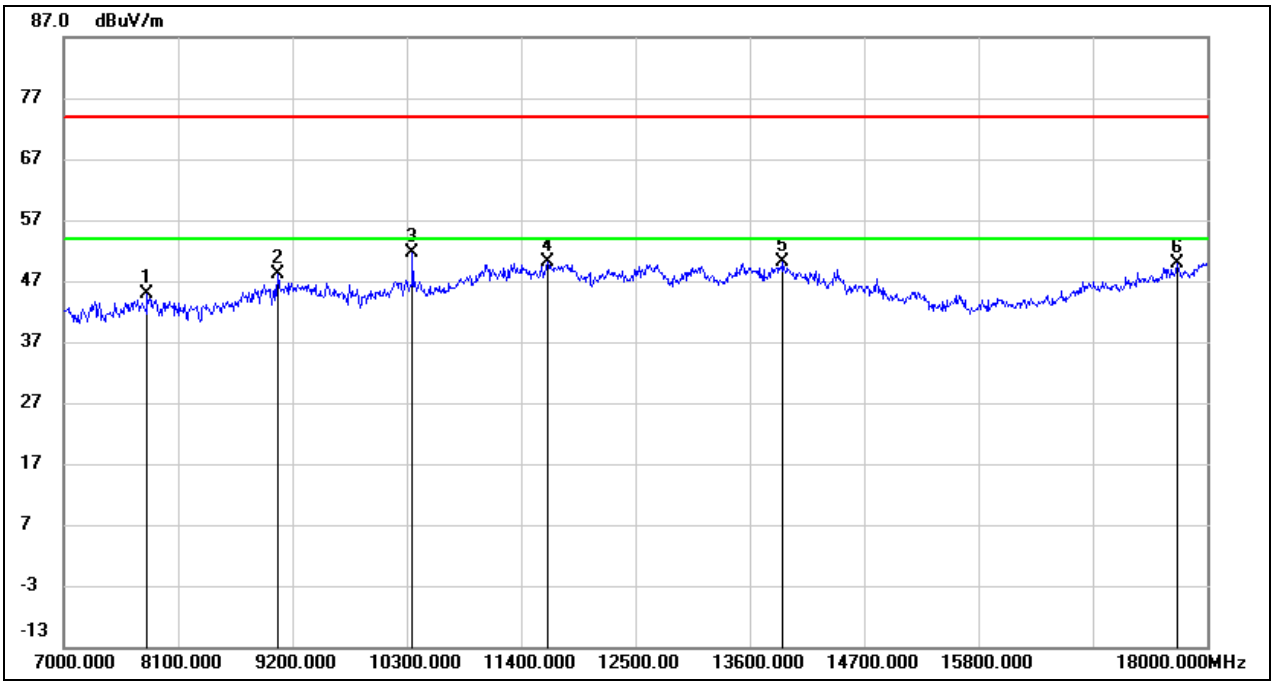
8.3. SPURIOUS EMISSIONS(7 GHZ~18 GHZ)

Test Mode:	802.11a 20	Channel:	5180
Polarity:	Horizontal	Test Voltage:	DC 12 V



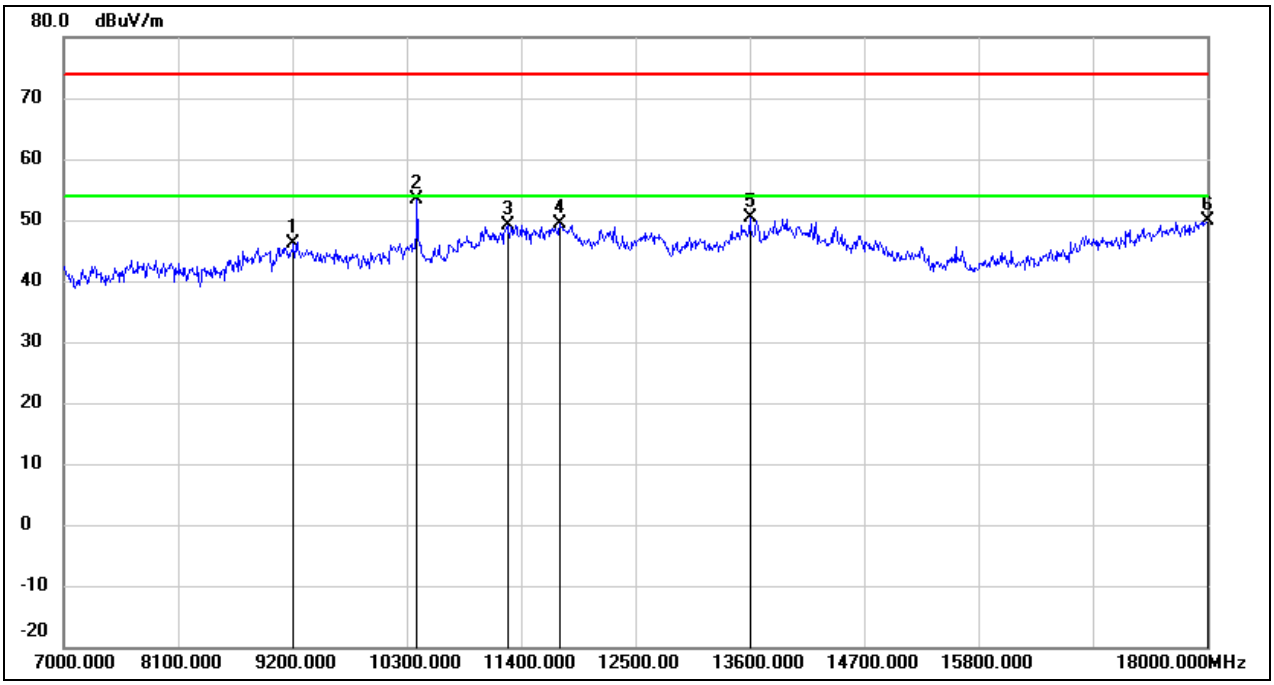
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9057.000	36.71	10.38	47.09	74.00	-26.91	peak
2	11026.000	34.01	14.82	48.83	74.00	-25.17	peak
3	11433.000	33.57	16.50	50.07	74.00	-23.93	peak
4	12566.000	31.85	17.91	49.76	74.00	-24.24	peak
5	14018.000	28.68	21.80	50.48	74.00	-23.52	peak
6	17989.000	24.82	26.04	50.86	74.00	-23.14	peak

Test Mode:	802.11a 20	Channel:	5180
Polarity:	Vertical	Test Voltage:	DC 12 V



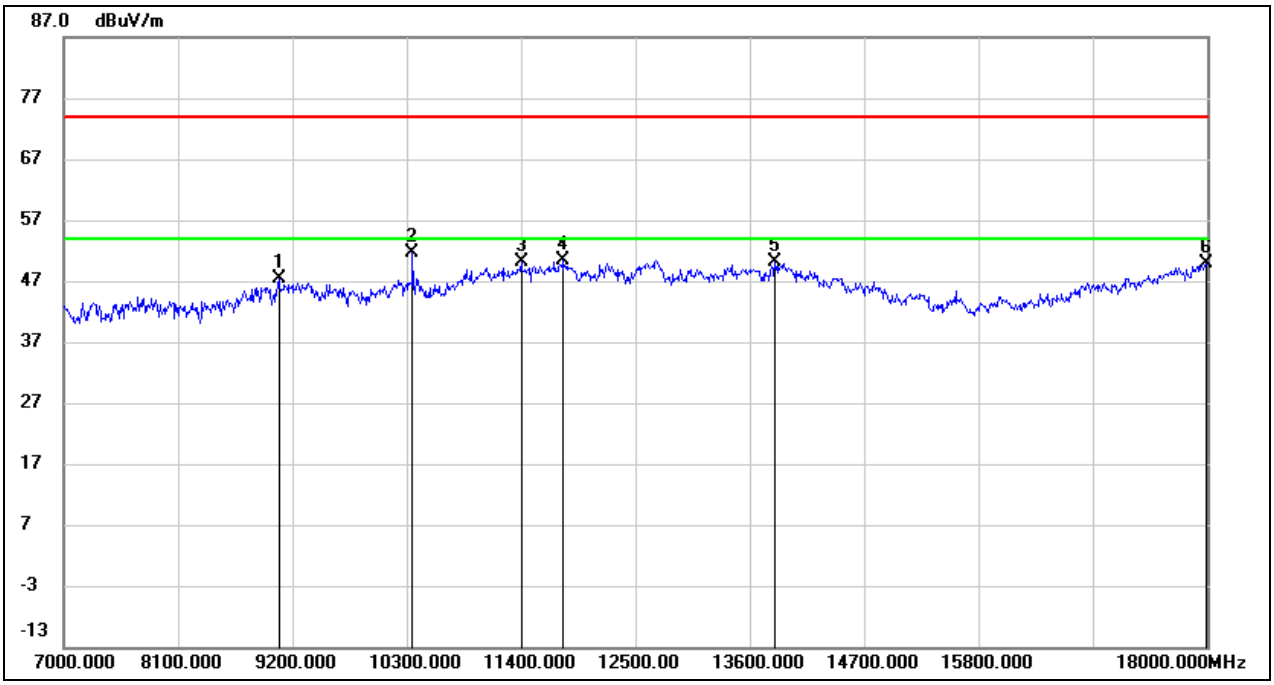
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7803.000	38.22	6.60	44.82	74.00	-29.18	peak
2	9057.000	37.65	10.38	48.03	74.00	-25.97	peak
3	10355.000	39.20	12.52	51.72	74.00	-22.28	peak
4	11653.000	33.11	17.05	50.16	74.00	-23.84	peak
5	13919.000	28.49	21.68	50.17	74.00	-23.83	peak
6	17714.000	25.74	24.16	49.90	74.00	-24.10	peak

Test Mode:	802.11a 20	Channel:	5200
Polarity:	Horizontal	Test Voltage:	DC 12 V



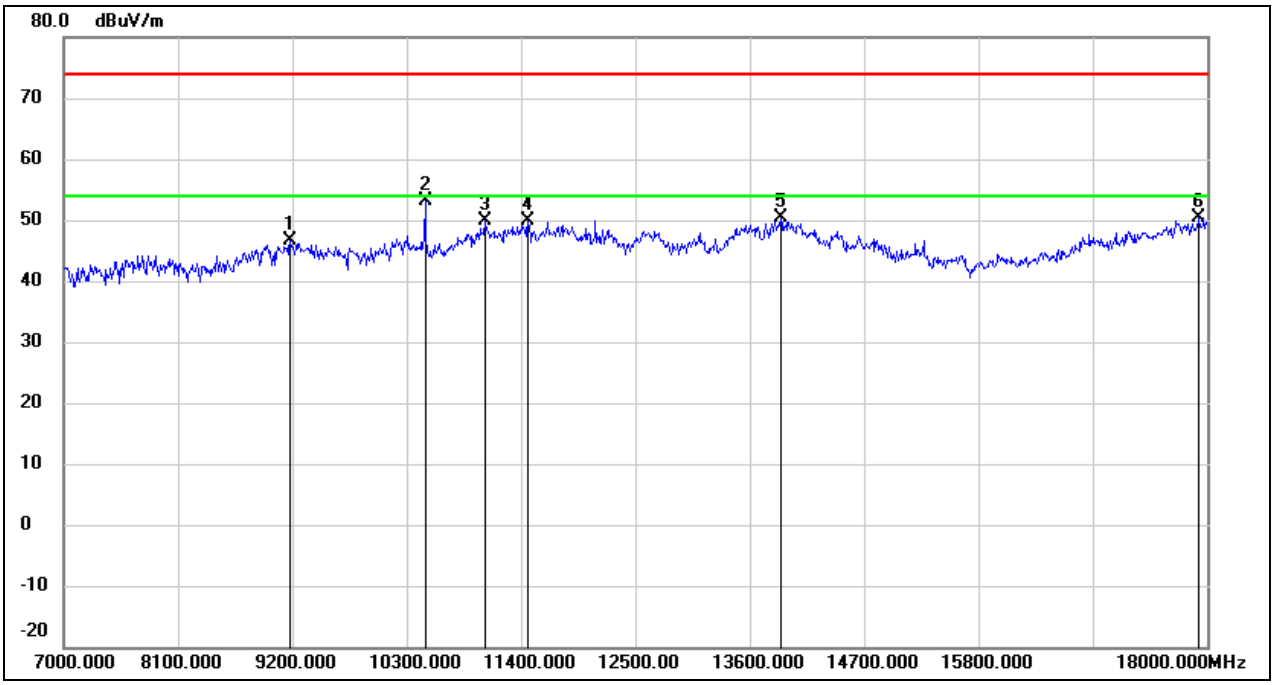
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9211.000	35.67	10.47	46.14	74.00	-27.86	peak
2	10399.000	40.75	12.61	53.36	74.00	-20.64	peak
3	11268.000	33.38	15.83	49.21	74.00	-24.79	peak
4	11774.000	32.16	17.28	49.44	74.00	-24.56	peak
5	13600.000	29.50	20.89	50.39	74.00	-23.61	peak
6	18000.000	23.73	26.12	49.85	74.00	-24.15	peak

Test Mode:	802.11a 20	Channel:	5200
Polarity:	Vertical	Test Voltage:	DC 12 V



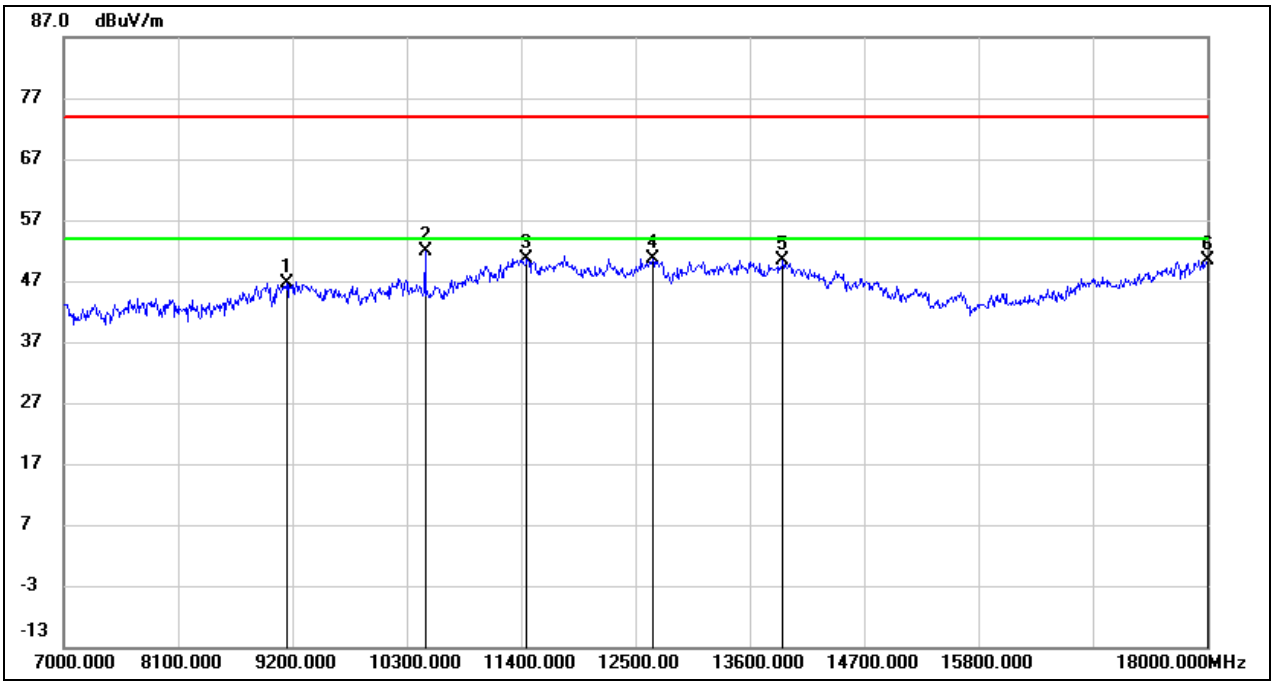
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9068.000	36.90	10.39	47.29	74.00	-26.71	peak
2	10355.000	39.21	12.52	51.73	74.00	-22.27	peak
3	11400.000	33.81	16.36	50.17	74.00	-23.83	peak
4	11807.000	33.07	17.34	50.41	74.00	-23.59	peak
5	13842.000	28.64	21.49	50.13	74.00	-23.87	peak
6	17989.000	23.80	26.04	49.84	74.00	-24.16	peak

Test Mode:	802.11a 20	Channel:	5240
Polarity:	Horizontal	Test Voltage:	DC 12 V



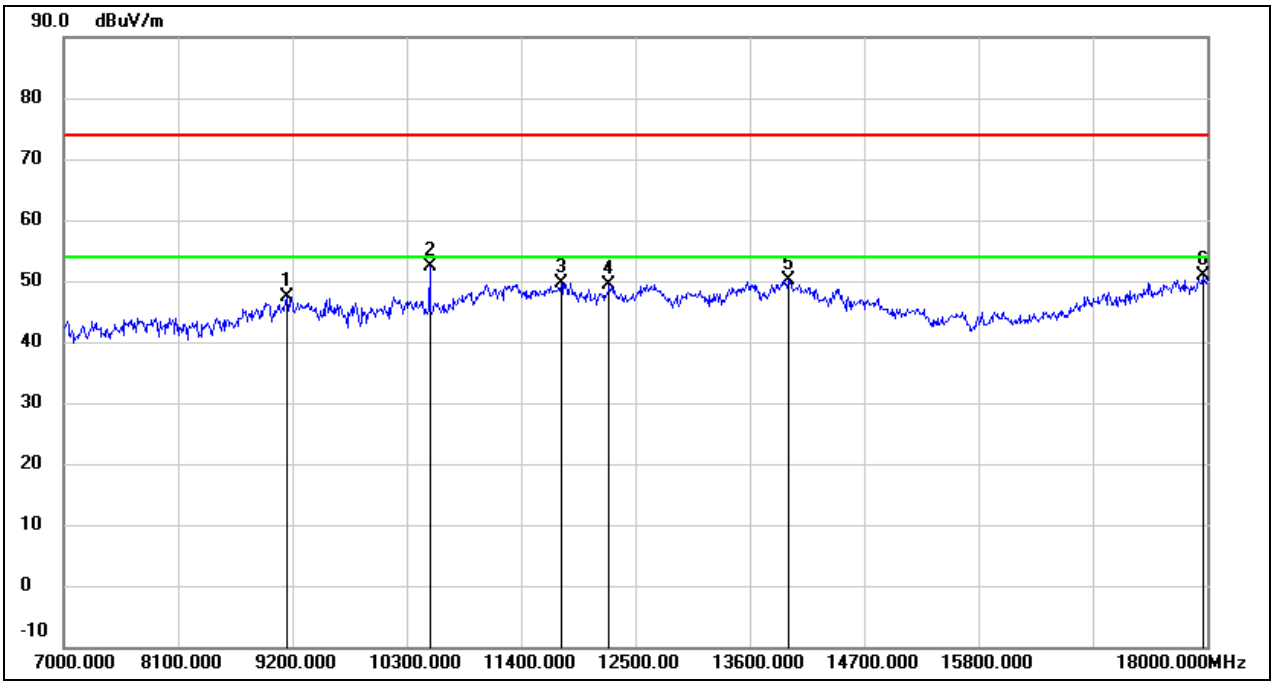
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9178.000	36.13	10.45	46.58	74.00	-27.42	peak
2	10476.000	40.25	12.77	53.02	74.00	-20.98	peak
3	11048.000	35.02	14.91	49.93	74.00	-24.07	peak
4	11466.000	33.29	16.63	49.92	74.00	-24.08	peak
5	13897.000	28.65	21.62	50.27	74.00	-23.73	peak
6	17923.000	24.83	25.60	50.43	74.00	-23.57	peak

Test Mode:	802.11a 20	Channel:	5240
Polarity:	Vertical	Test Voltage:	DC 12 V



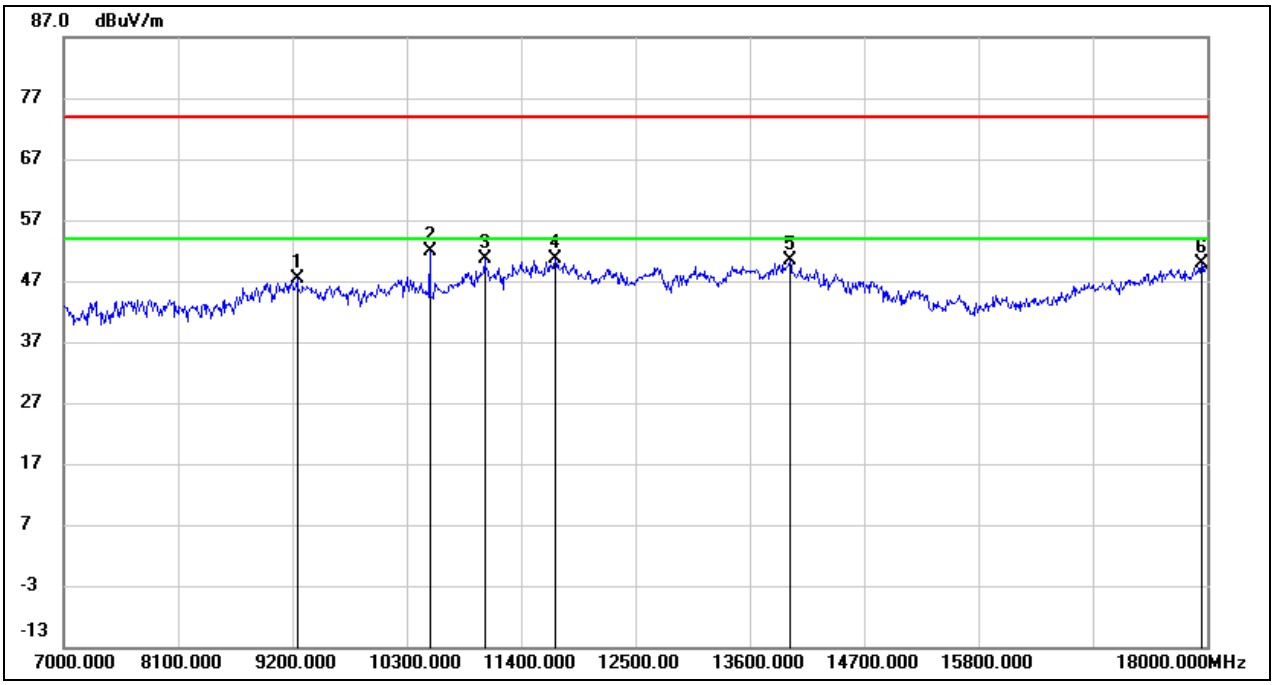
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9145.000	36.28	10.43	46.71	74.00	-27.29	peak
2	10476.000	39.18	12.77	51.95	74.00	-22.05	peak
3	11455.000	34.10	16.58	50.68	74.00	-23.32	peak
4	12665.000	32.55	18.04	50.59	74.00	-23.41	peak
5	13919.000	28.58	21.68	50.26	74.00	-23.74	peak
6	18000.000	24.33	26.12	50.45	74.00	-23.55	peak

Test Mode:	802.11a 20	Channel:	5260
Polarity:	Horizontal	Test Voltage:	DC 12 V



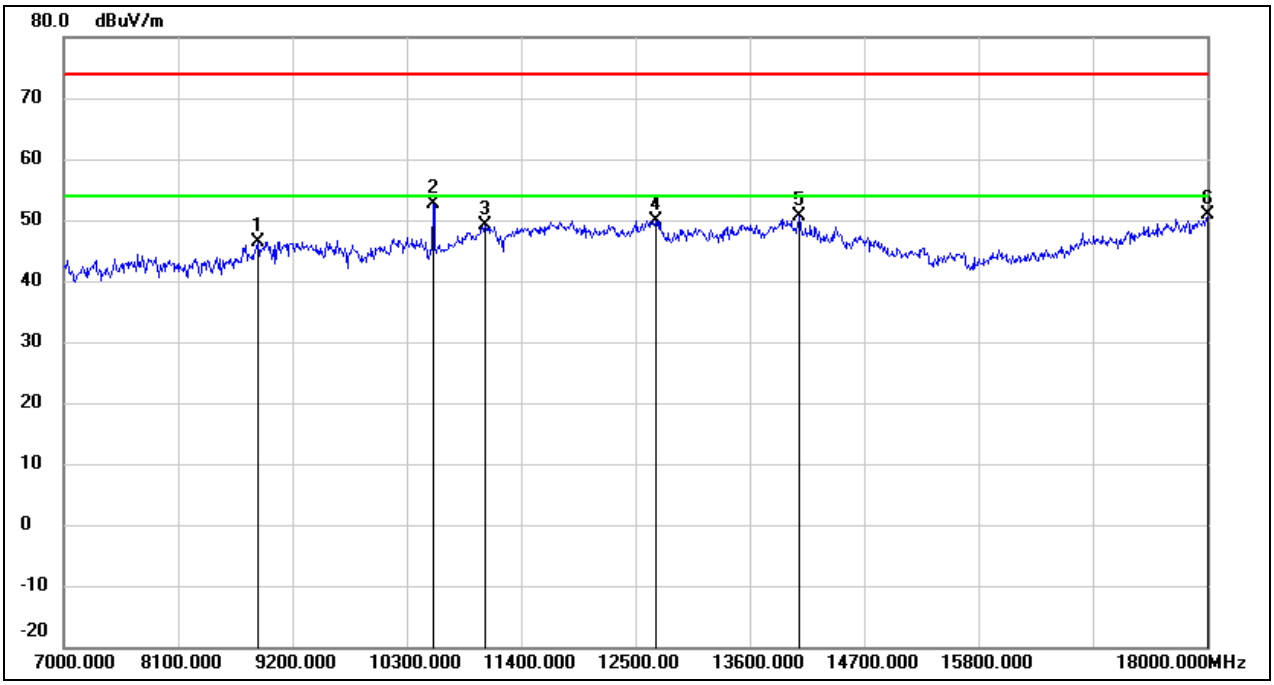
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9145.000	36.88	10.43	47.31	74.00	-26.69	peak
2	10520.000	39.59	12.90	52.49	74.00	-21.51	peak
3	11785.000	32.36	17.30	49.66	74.00	-24.34	peak
4	12247.000	31.70	17.77	49.47	74.00	-24.53	peak
5	13974.000	28.28	21.82	50.10	74.00	-23.90	peak
6	17956.000	24.98	25.82	50.80	74.00	-23.20	peak

Test Mode:	802.11a 20	Channel:	5260
Polarity:	Vertical	Test Voltage:	DC 12 V



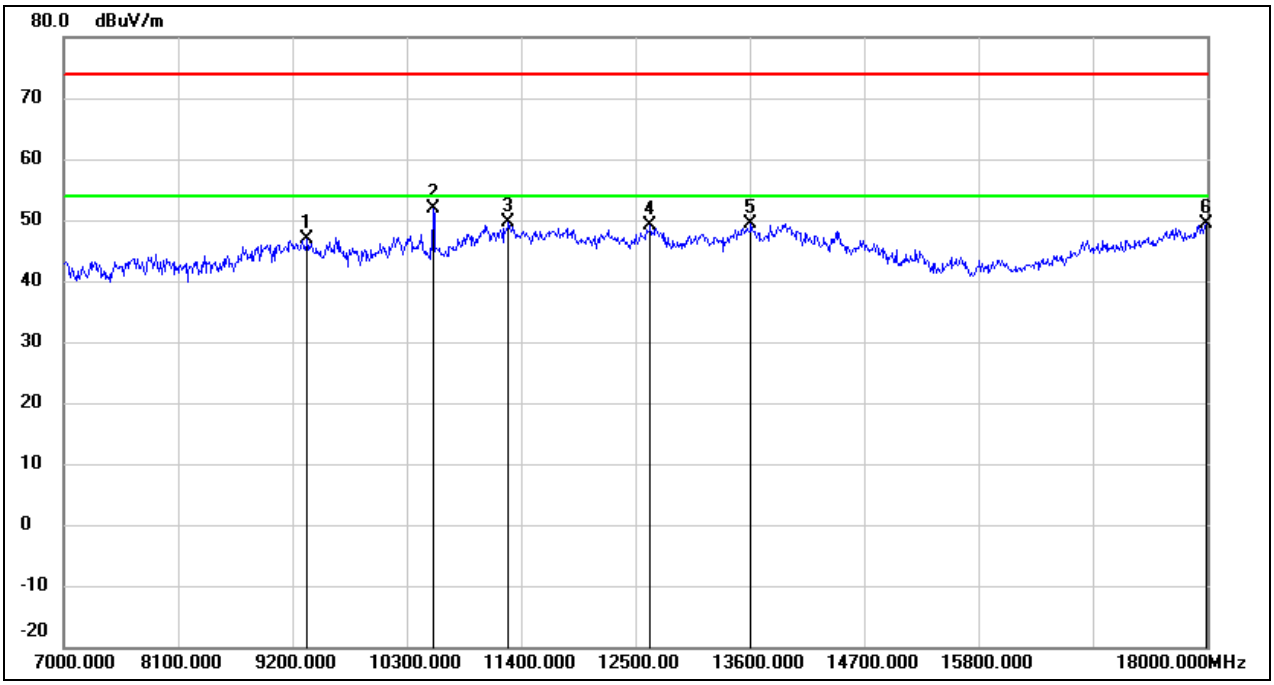
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9244.000	36.82	10.49	47.31	74.00	-26.69	peak
2	10520.000	39.02	12.90	51.92	74.00	-22.08	peak
3	11048.000	35.65	14.91	50.56	74.00	-23.44	peak
4	11730.000	33.34	17.19	50.53	74.00	-23.47	peak
5	13985.000	28.57	21.85	50.42	74.00	-23.58	peak
6	17945.000	24.17	25.75	49.92	74.00	-24.08	peak

Test Mode:	802.11a 20	Channel:	5280
Polarity:	Horizontal	Test Voltage:	DC 12 V



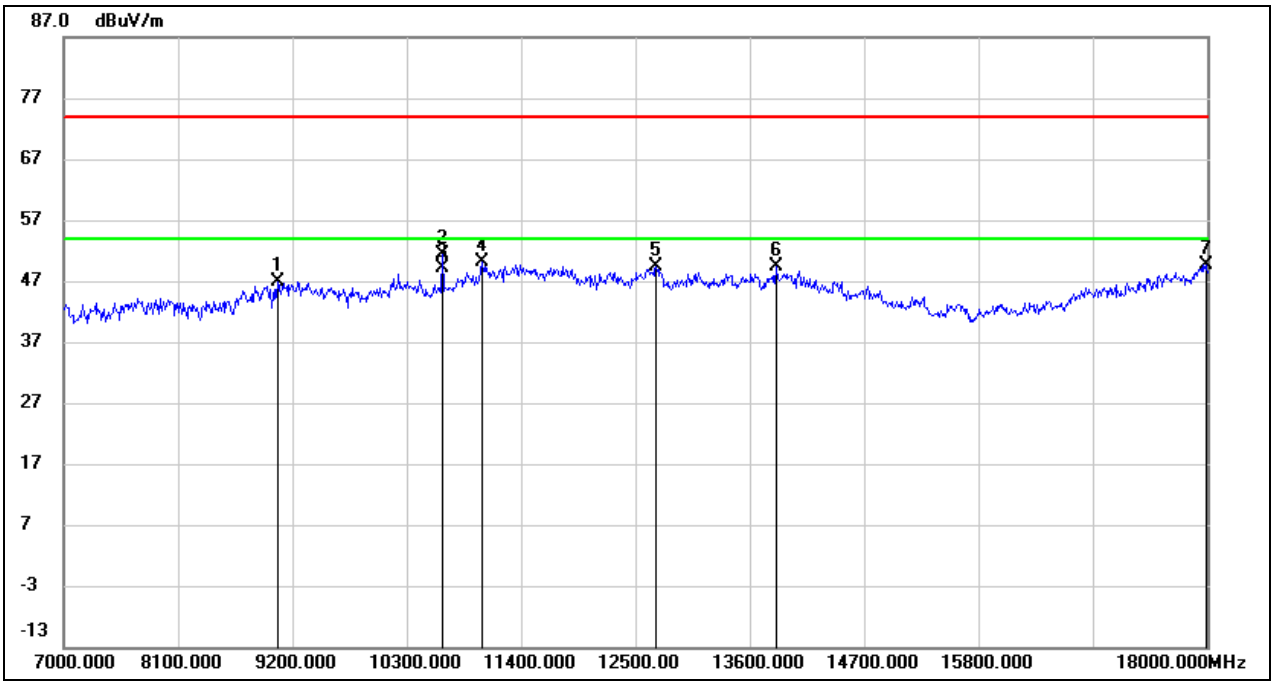
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8870.000	37.00	9.44	46.44	74.00	-27.56	peak
2	10553.000	39.62	13.02	52.64	74.00	-21.36	peak
3	11059.000	34.29	14.96	49.25	74.00	-24.75	peak
4	12698.000	31.90	18.08	49.98	74.00	-24.02	peak
5	14073.000	28.95	21.57	50.52	74.00	-23.48	peak
6	18000.000	24.87	26.12	50.99	74.00	-23.01	peak

Test Mode:	802.11a 20	Channel:	5280
Polarity:	Vertical	Test Voltage:	DC 12 V



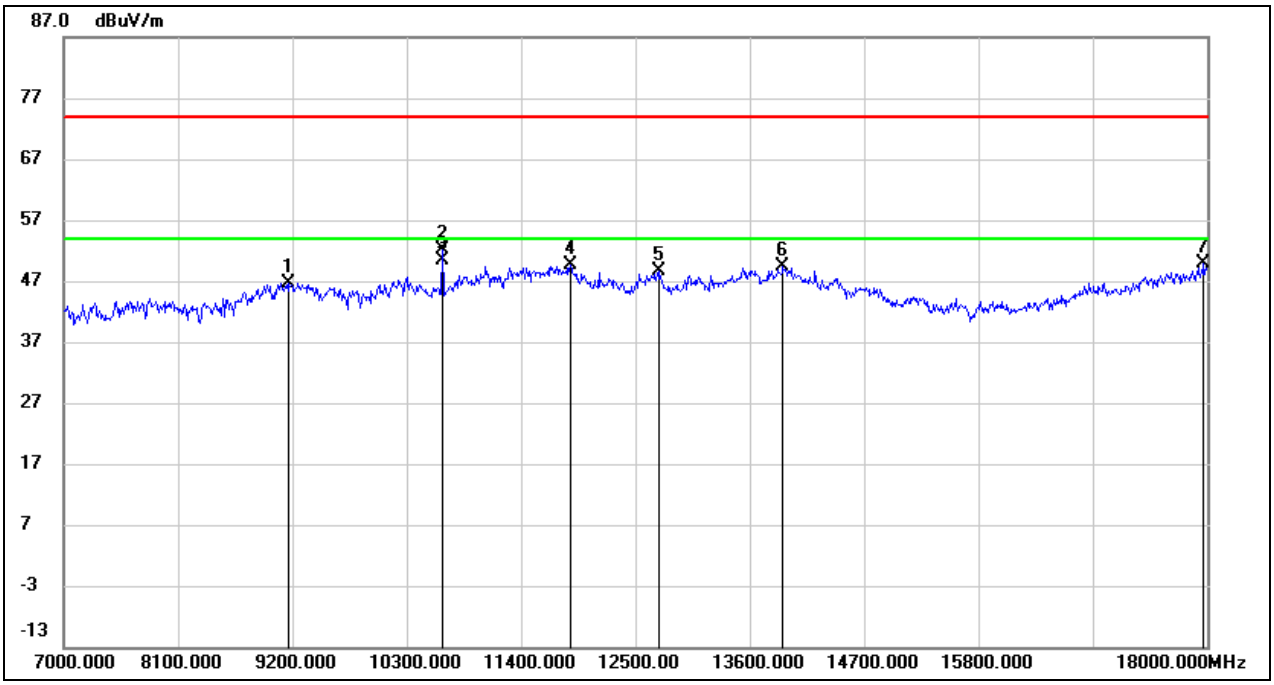
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9343.000	36.32	10.55	46.87	74.00	-27.13	peak
2	10553.000	38.88	13.02	51.90	74.00	-22.10	peak
3	11279.000	33.69	15.86	49.55	74.00	-24.45	peak
4	12643.000	31.05	18.01	49.06	74.00	-24.94	peak
5	13611.000	28.37	20.92	49.29	74.00	-24.71	peak
6	17989.000	23.41	26.04	49.45	74.00	-24.55	peak

Test Mode:	802.11a 20	Channel:	5320
Polarity:	Horizontal	Test Voltage:	DC 12 V



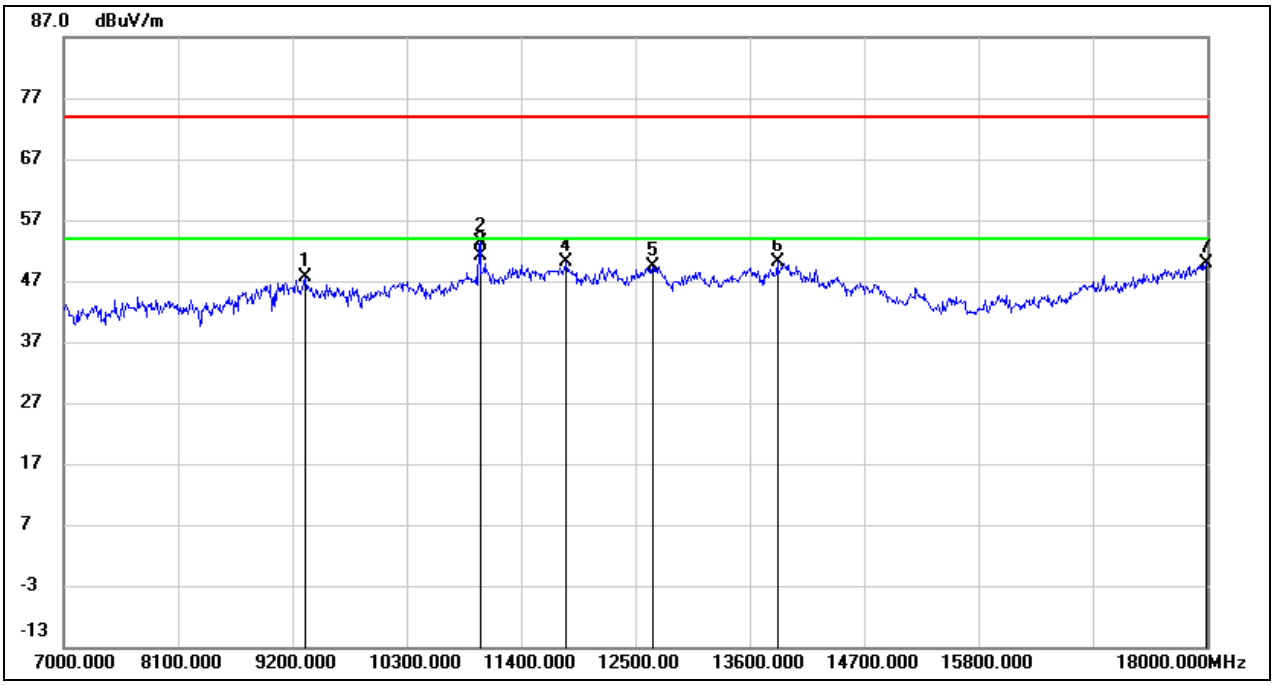
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9057.000	36.55	10.38	46.93	74.00	-27.07	peak
2	10641.000	38.04	13.36	51.40	74.00	-22.60	peak
3	10641.000	35.84	13.36	49.20	54.00	-4.80	AVG
4	11026.000	35.34	14.82	50.16	74.00	-23.84	peak
5	12698.000	31.40	18.08	49.48	74.00	-24.52	peak
6	13853.000	27.88	21.52	49.40	74.00	-24.60	peak
7	17989.000	23.70	26.04	49.74	74.00	-24.26	peak

Test Mode:	802.11a 20	Channel:	5320
Polarity:	Vertical	Test Voltage:	DC 12 V



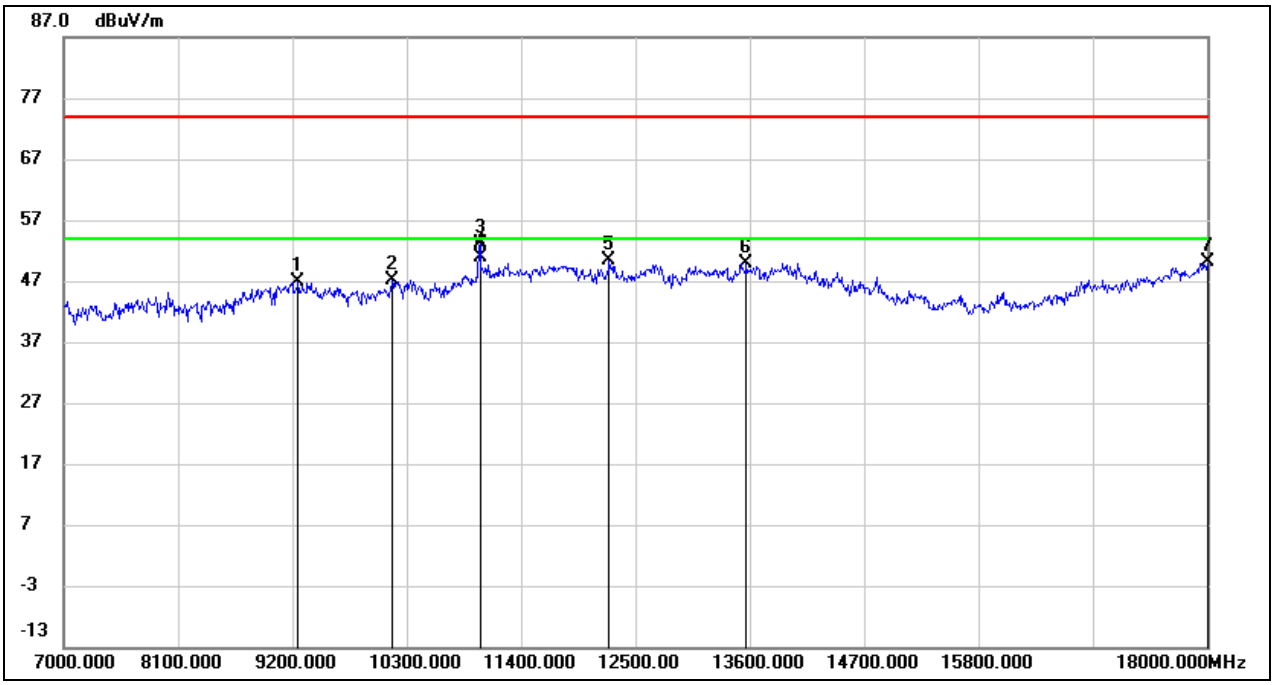
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9167.000	36.11	10.45	46.56	74.00	-27.44	peak
2	10641.000	38.76	13.36	52.12	74.00	-21.88	peak
3	10641.000	36.94	13.36	50.30	54.00	-3.70	AVG
4	11873.000	32.29	17.46	49.75	74.00	-24.25	peak
5	12731.000	30.40	18.12	48.52	74.00	-25.48	peak
6	13919.000	27.61	21.68	49.29	74.00	-24.71	peak
7	17967.000	24.02	25.89	49.91	74.00	-24.09	peak

Test Mode:	802.11a 20	Channel:	5500
Polarity:	Horizontal	Test Voltage:	DC 12 V



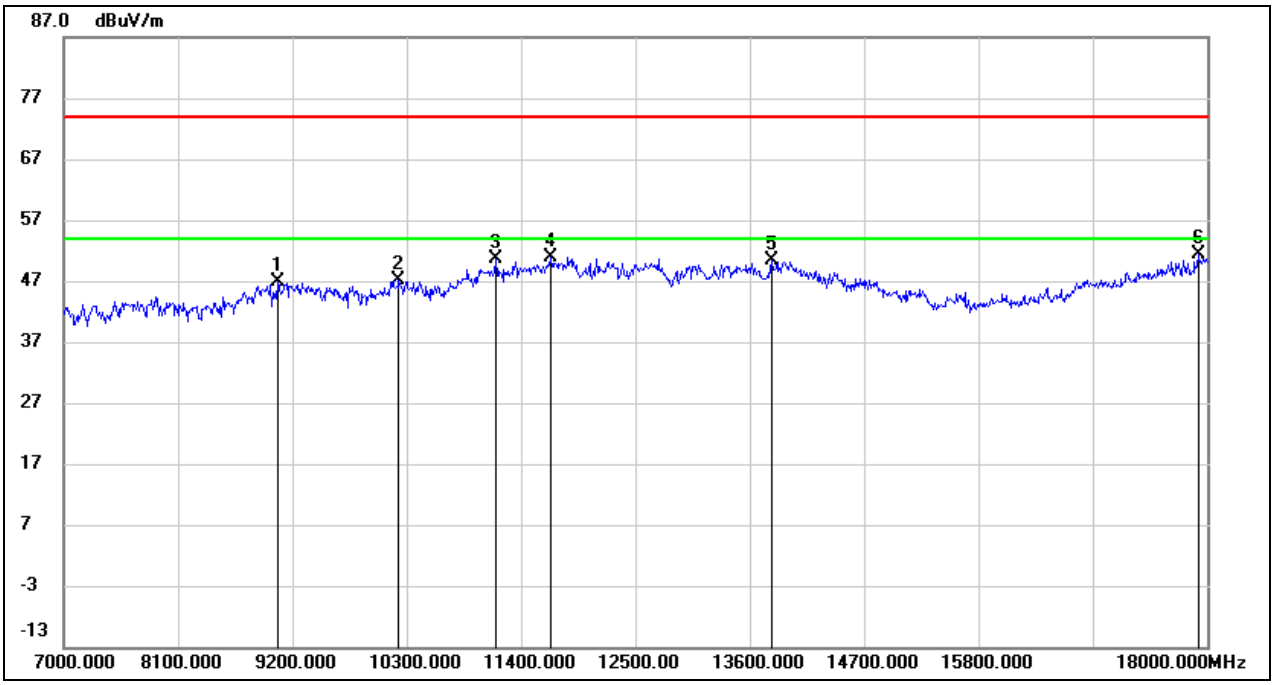
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9321.000	36.98	10.53	47.51	74.00	-26.49	peak
2	11004.000	38.66	14.74	53.40	74.00	-20.60	peak
3	11004.000	36.36	14.74	51.10	54.00	-2.90	AVG
4	11829.000	32.67	17.38	50.05	74.00	-23.95	peak
5	12665.000	31.38	18.04	49.42	74.00	-24.58	peak
6	13864.000	28.62	21.53	50.15	74.00	-23.85	peak
7	17989.000	23.80	26.04	49.84	74.00	-24.16	peak

Test Mode:	802.11a 20	Channel:	5500
Polarity:	Vertical	Test Voltage:	DC 12 V



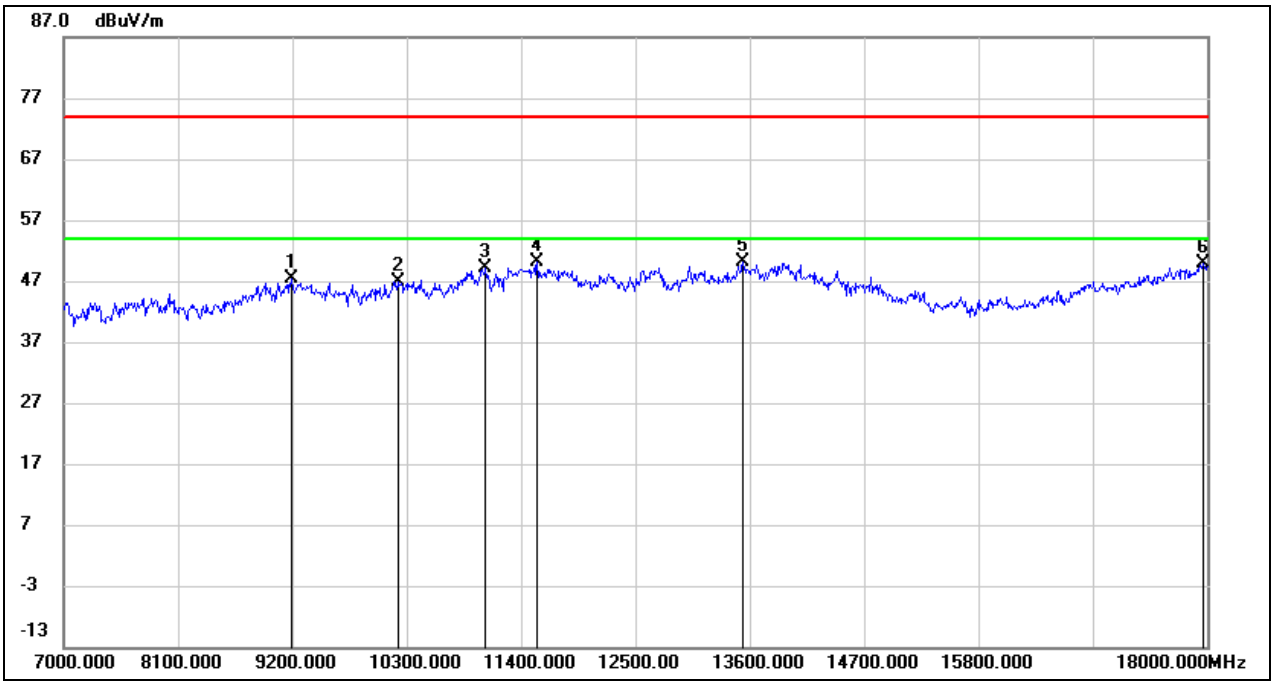
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9255.000	36.27	10.51	46.78	74.00	-27.22	peak
2	10157.000	35.10	12.10	47.20	74.00	-26.80	peak
3	11004.000	38.50	14.74	53.24	74.00	-20.76	peak
4	11004.000	36.06	14.74	50.80	54.00	-3.20	AVG
5	12247.000	32.62	17.77	50.39	74.00	-23.61	peak
6	13567.000	29.10	20.80	49.90	74.00	-24.10	peak
7	18000.000	23.89	26.12	50.01	74.00	-23.99	peak

Test Mode:	802.11a 20	Channel:	5580
Polarity:	Horizontal	Test Voltage:	DC 12 V



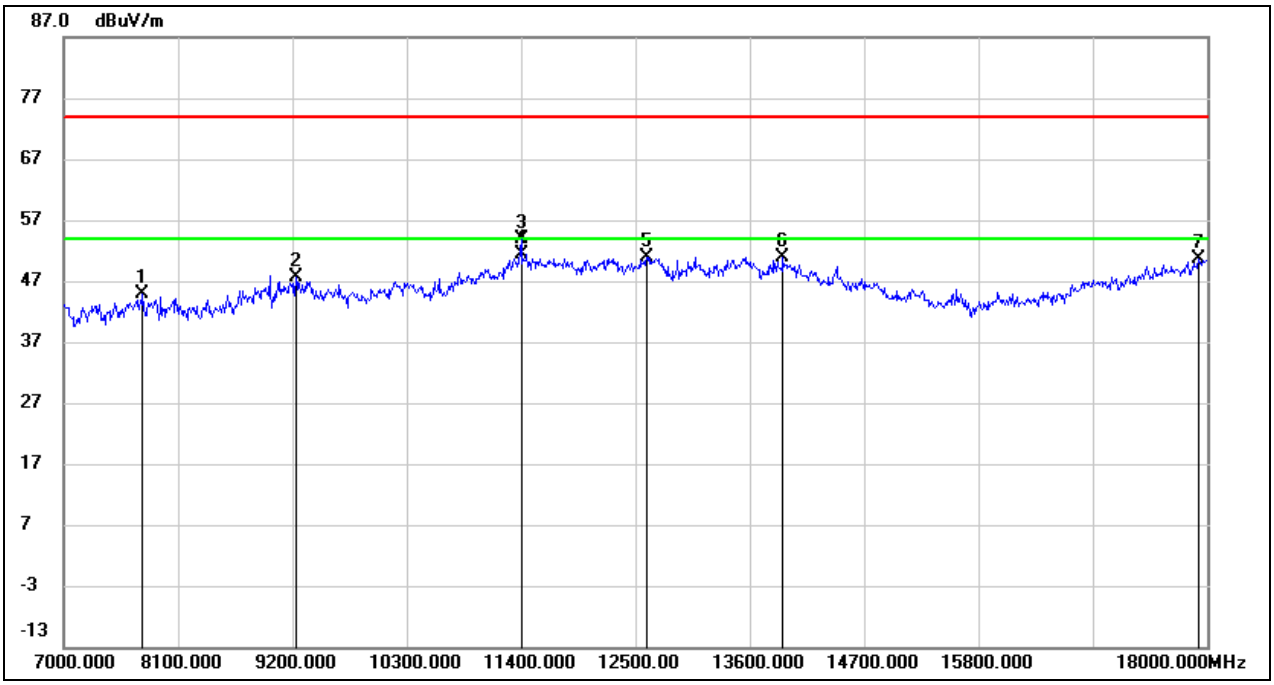
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9057.000	36.38	10.38	46.76	74.00	-27.24	peak
2	10223.000	34.88	12.24	47.12	74.00	-26.88	peak
3	11158.000	35.15	15.37	50.52	74.00	-23.48	peak
4	11686.000	33.72	17.12	50.84	74.00	-23.16	peak
5	13809.000	28.90	21.41	50.31	74.00	-23.69	peak
6	17912.000	25.90	25.52	51.42	74.00	-22.58	peak

Test Mode:	802.11a 20	Channel:	5580
Polarity:	Vertical	Test Voltage:	DC 12 V



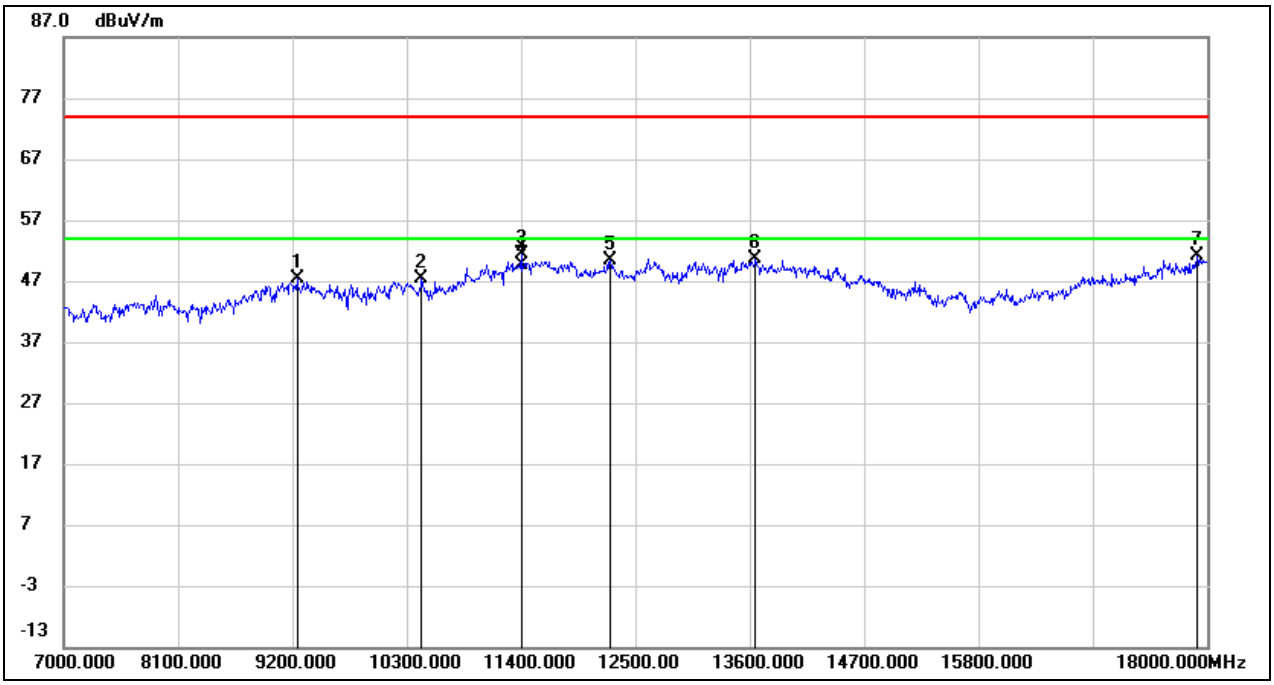
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9189.000	36.98	10.46	47.44	74.00	-26.56	peak
2	10212.000	34.78	12.21	46.99	74.00	-27.01	peak
3	11059.000	34.13	14.96	49.09	74.00	-24.91	peak
4	11554.000	33.18	16.87	50.05	74.00	-23.95	peak
5	13534.000	29.33	20.73	50.06	74.00	-23.94	peak
6	17967.000	23.93	25.89	49.82	74.00	-24.18	peak

Test Mode:	802.11a 20	Channel:	5700
Polarity:	Horizontal	Test Voltage:	DC 12 V



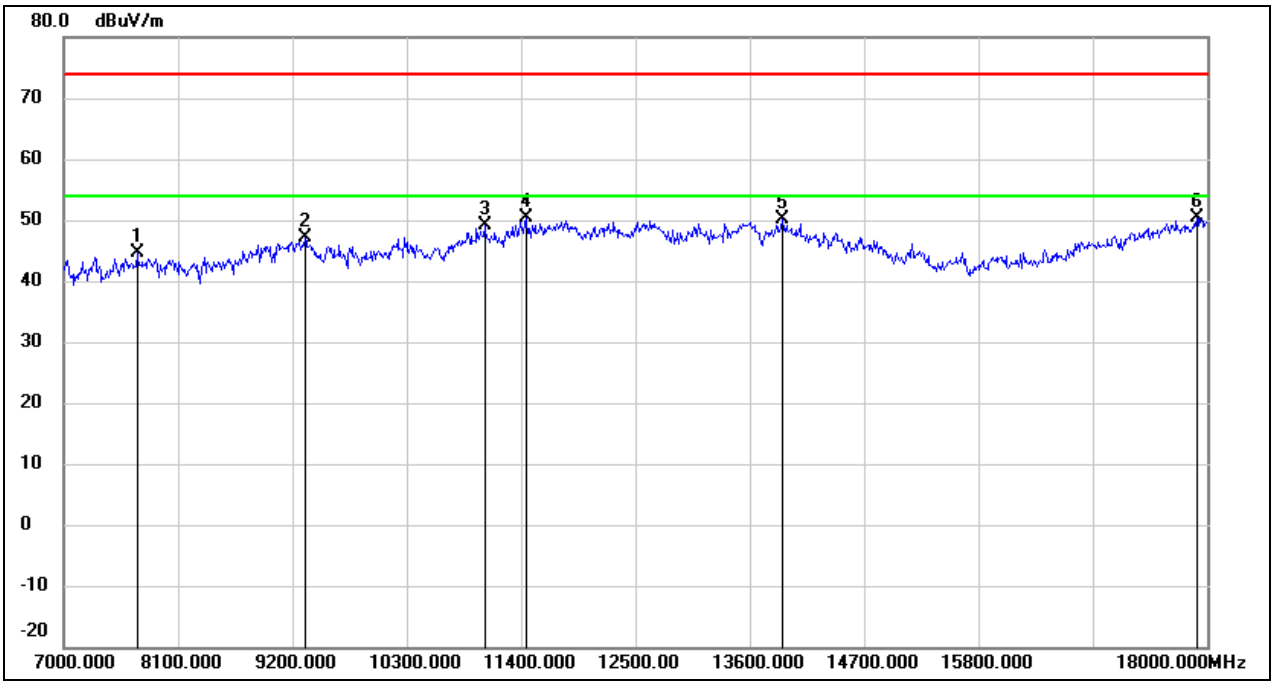
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7759.000	38.13	6.64	44.77	74.00	-29.23	peak
2	9233.000	37.07	10.48	47.55	74.00	-26.45	peak
3	11400.000	37.51	16.36	53.87	74.00	-20.13	peak
4	11400.000	35.14	16.36	51.50	54.00	-2.50	AVG
5	12610.000	33.03	17.97	51.00	74.00	-23.00	peak
6	13919.000	29.28	21.68	50.96	74.00	-23.04	peak
7	17912.000	25.06	25.52	50.58	74.00	-23.42	peak

Test Mode:	802.11a 20	Channel:	5700
Polarity:	Vertical	Test Voltage:	DC 12 V



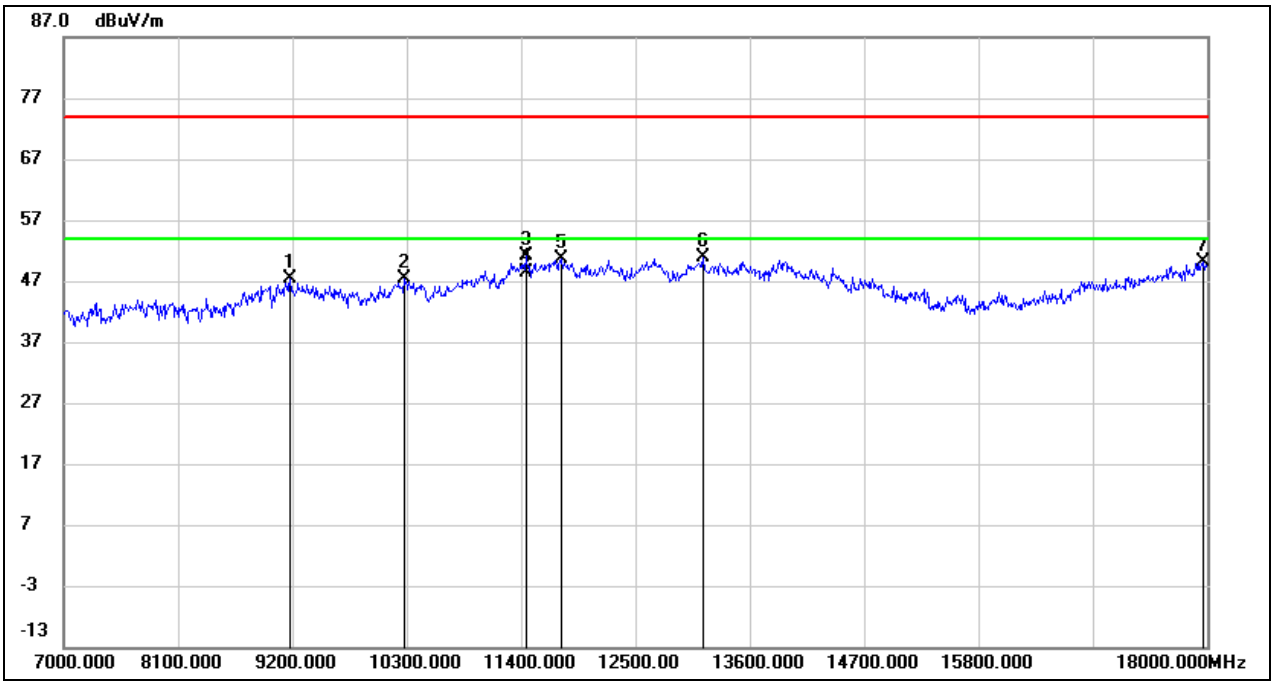
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9244.000	36.87	10.49	47.36	74.00	-26.64	peak
2	10443.000	34.69	12.70	47.39	74.00	-26.61	peak
3	11400.000	34.99	16.36	51.35	74.00	-22.65	peak
4	11400.000	33.24	16.36	49.60	54.00	-4.40	AVG
5	12258.000	32.68	17.77	50.45	74.00	-23.55	peak
6	13655.000	29.49	21.03	50.52	74.00	-23.48	peak
7	17901.000	25.60	25.45	51.05	74.00	-22.95	peak

Test Mode:	802.11a 20	Channel:	5720
Polarity:	Horizontal	Test Voltage:	DC 12 V



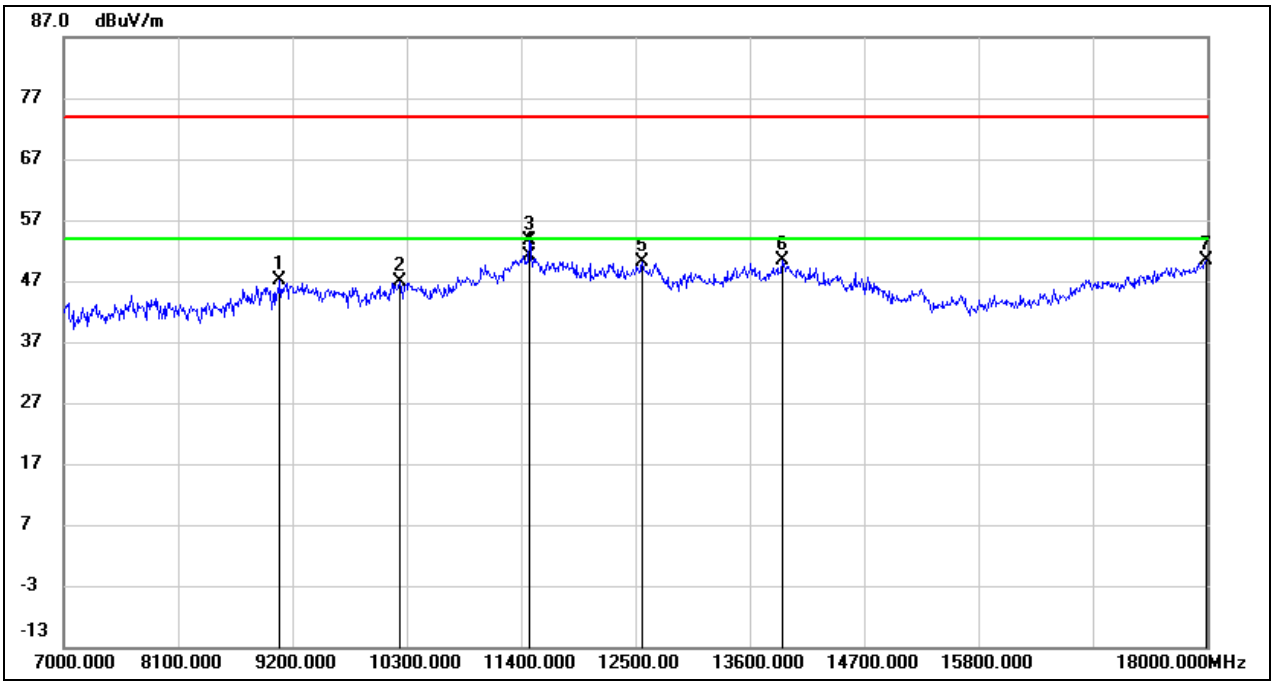
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7704.000	37.84	6.69	44.53	74.00	-29.47	peak
2	9321.000	36.60	10.53	47.13	74.00	-26.87	peak
3	11048.000	34.25	14.91	49.16	74.00	-24.84	peak
4	11444.000	33.79	16.53	50.32	74.00	-23.68	peak
5	13908.000	28.59	21.66	50.25	74.00	-23.75	peak
6	17901.000	25.02	25.45	50.47	74.00	-23.53	peak

Test Mode:	802.11a 20	Channel:	5720
Polarity:	Vertical	Test Voltage:	DC 12 V



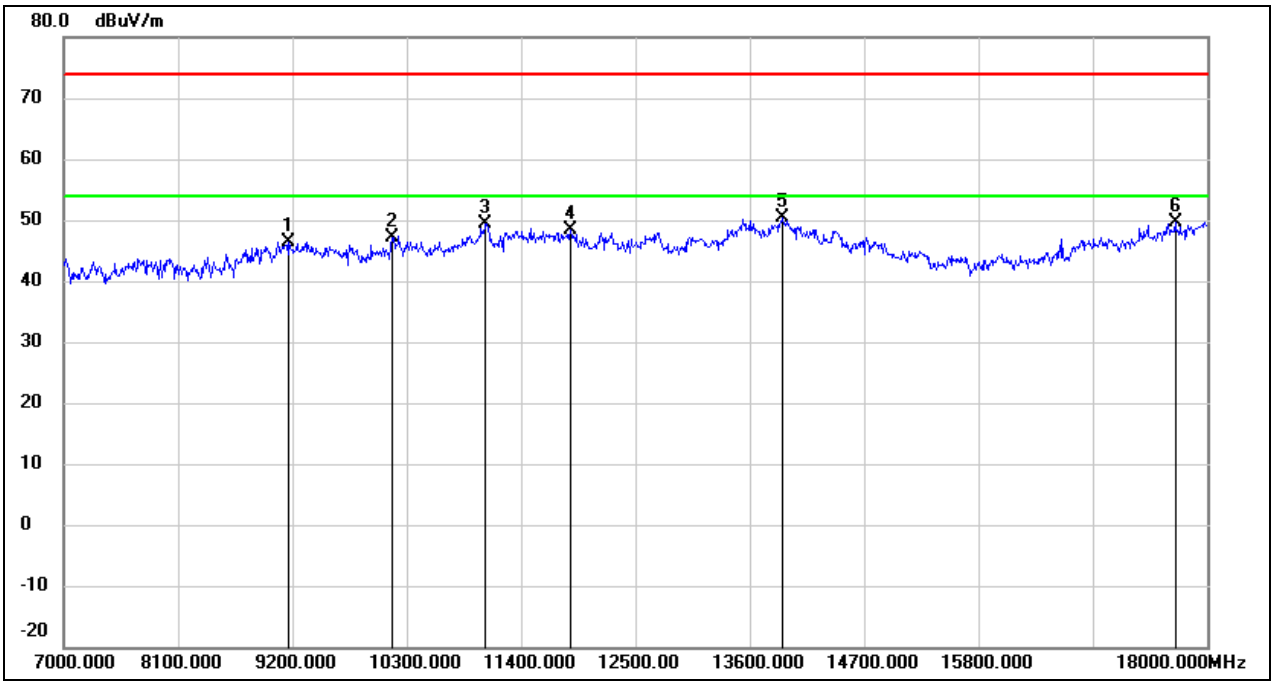
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9178.000	36.81	10.45	47.26	74.00	-26.74	peak
2	10278.000	35.09	12.35	47.44	74.00	-26.56	peak
3	11444.000	34.52	16.53	51.05	74.00	-22.95	peak
4	11444.000	31.77	16.53	48.30	54.00	-5.70	AVG
5	11785.000	33.34	17.30	50.64	74.00	-23.36	peak
6	13149.000	31.75	19.10	50.85	74.00	-23.15	peak
7	17967.000	24.19	25.89	50.08	74.00	-23.92	peak

Test Mode:	802.11a 20	Channel:	5745
Polarity:	Horizontal	Test Voltage:	DC 12 V



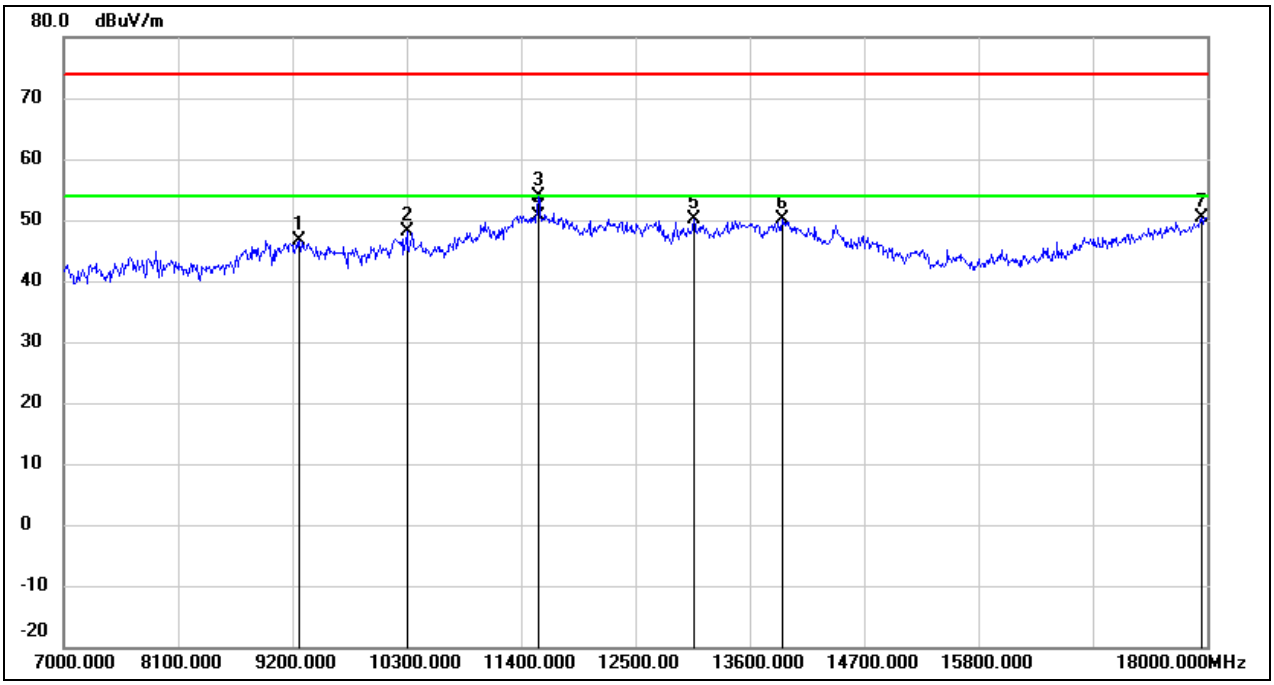
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9079.000	36.62	10.39	47.01	74.00	-26.99	peak
2	10234.000	34.60	12.26	46.86	74.00	-27.14	peak
3	11477.000	36.93	16.67	53.60	74.00	-20.40	peak
4	11477.000	34.53	16.67	51.20	54.00	-2.80	AVG
5	12566.000	32.29	17.91	50.20	74.00	-23.80	peak
6	13908.000	28.75	21.66	50.41	74.00	-23.59	peak
7	17989.000	24.30	26.04	50.34	74.00	-23.66	peak

Test Mode:	802.11a 20	Channel:	5745
Polarity:	Vertical	Test Voltage:	DC 12 V



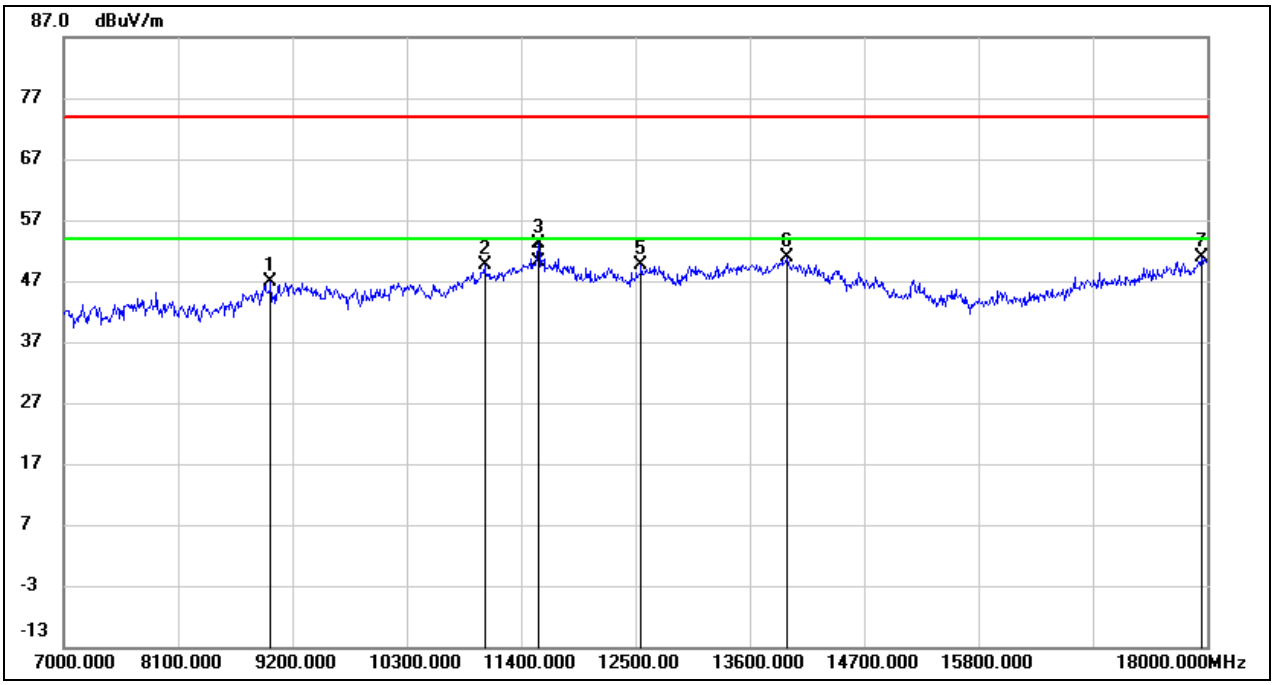
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9167.000	36.05	10.45	46.50	74.00	-27.50	peak
2	10157.000	35.04	12.10	47.14	74.00	-26.86	peak
3	11059.000	34.47	14.96	49.43	74.00	-24.57	peak
4	11873.000	30.99	17.46	48.45	74.00	-25.55	peak
5	13908.000	28.60	21.66	50.26	74.00	-23.74	peak
6	17692.000	25.61	24.01	49.62	74.00	-24.38	peak

Test Mode:	802.11a 20	Channel:	5785
Polarity:	Horizontal	Test Voltage:	DC 12 V



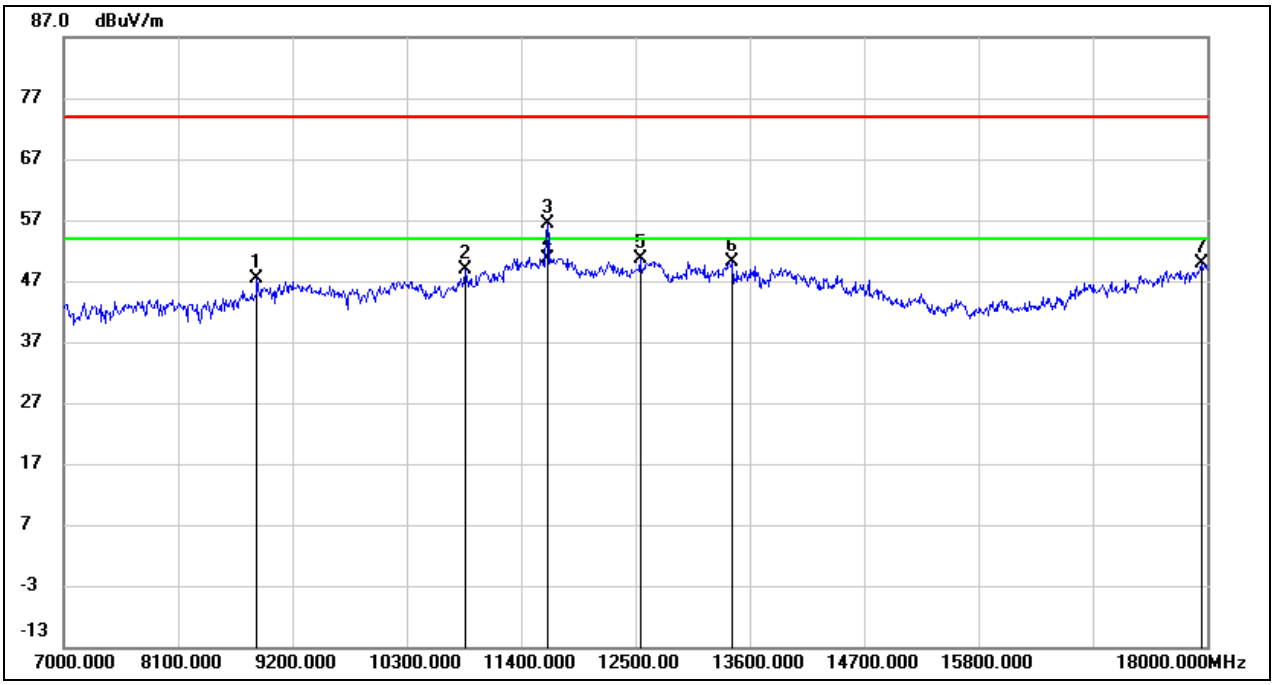
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9266.000	36.22	10.51	46.73	74.00	-27.27	peak
2	10300.000	35.77	12.40	48.17	74.00	-25.83	peak
3	11565.000	36.88	16.89	53.77	74.00	-20.23	peak
4	11565.000	33.81	16.89	50.70	54.00	-3.30	AVG
5	13061.000	31.31	18.71	50.02	74.00	-23.98	peak
6	13908.000	28.36	21.66	50.02	74.00	-23.98	peak
7	17945.000	24.75	25.75	50.50	74.00	-23.50	peak

Test Mode:	802.11a 20	Channel:	5785
Polarity:	Vertical	Test Voltage:	DC 12 V



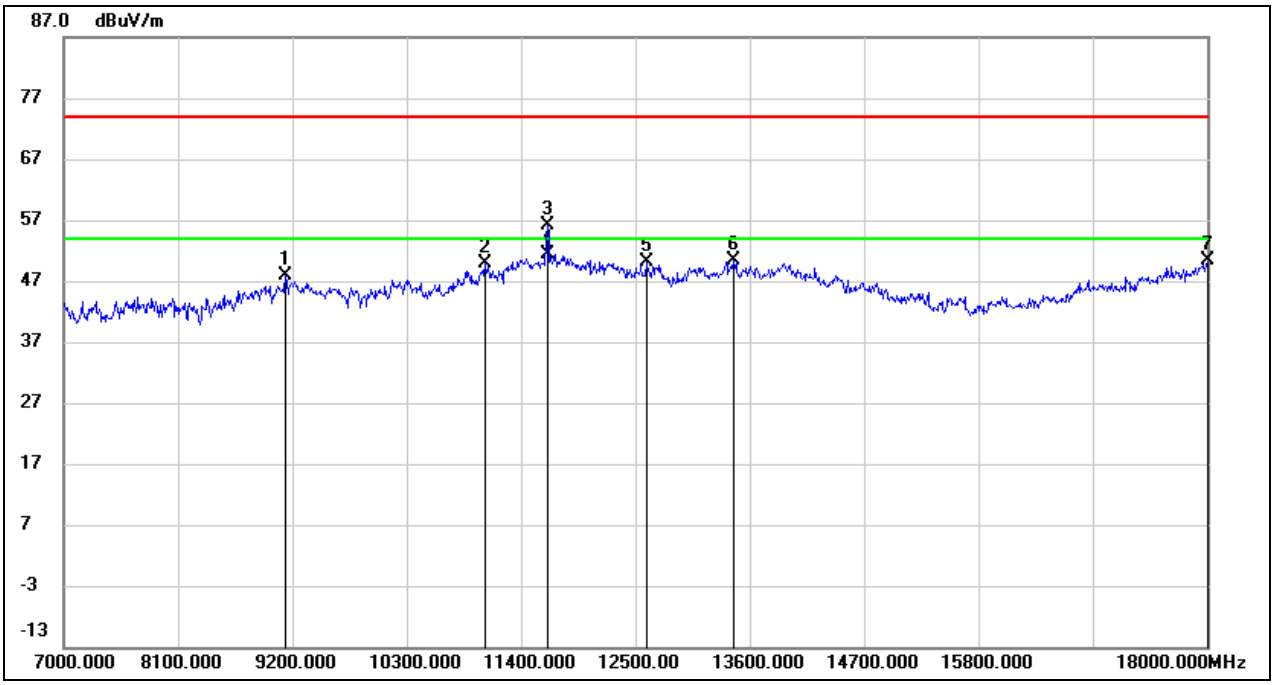
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8991.000	36.49	10.28	46.77	74.00	-27.23	peak
2	11048.000	34.65	14.91	49.56	74.00	-24.44	peak
3	11565.000	36.31	16.89	53.20	74.00	-20.80	peak
4	11565.000	33.31	16.89	50.20	54.00	-3.80	AVG
5	12555.000	31.70	17.90	49.60	74.00	-24.40	peak
6	13952.000	29.08	21.76	50.84	74.00	-23.16	peak
7	17945.000	25.01	25.75	50.76	74.00	-23.24	peak

Test Mode:	802.11a 20	Channel:	5825
Polarity:	Horizontal	Test Voltage:	DC 12 V



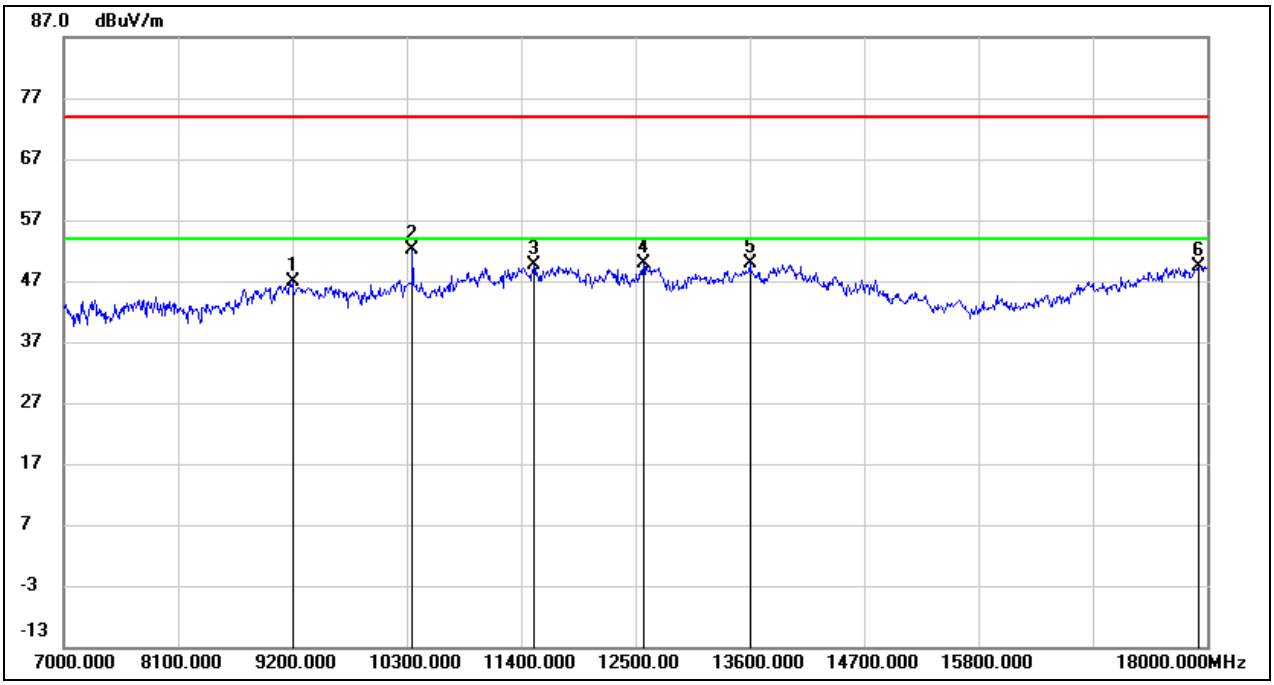
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8859.000	38.12	9.36	47.48	74.00	-26.52	peak
2	10861.000	34.71	14.20	48.91	74.00	-25.09	peak
3	11653.000	39.33	17.05	56.38	74.00	-17.62	peak
4	11653.000	33.55	17.05	50.60	54.00	-3.40	AVG
5	12544.000	32.63	17.88	50.51	74.00	-23.49	peak
6	13435.000	29.78	20.35	50.13	74.00	-23.87	peak
7	17945.000	24.09	25.75	49.84	74.00	-24.16	peak

Test Mode:	802.11a 20	Channel:	5825
Polarity:	Vertical	Test Voltage:	DC 12 V



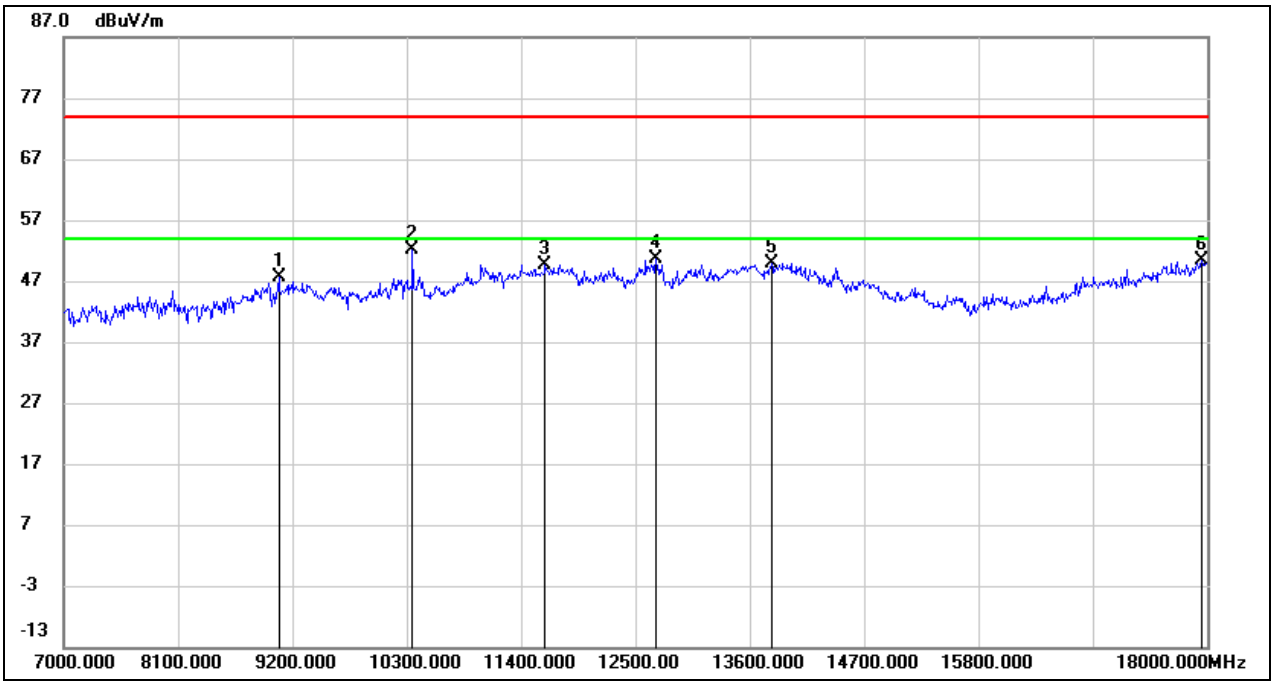
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9134.000	37.37	10.41	47.78	74.00	-26.22	peak
2	11048.000	34.87	14.91	49.78	74.00	-24.22	peak
3	11653.000	39.16	17.05	56.21	74.00	-17.79	peak
4	11653.000	34.35	17.05	51.40	54.00	-2.60	AVG
5	12610.000	32.14	17.97	50.11	74.00	-23.89	peak
6	13446.000	29.87	20.41	50.28	74.00	-23.72	peak
7	18000.000	24.28	26.12	50.40	74.00	-23.60	peak

Test Mode:	802.11ax HE20	Channel:	5180
Polarity:	Horizontal	Test Voltage:	DC 12 V



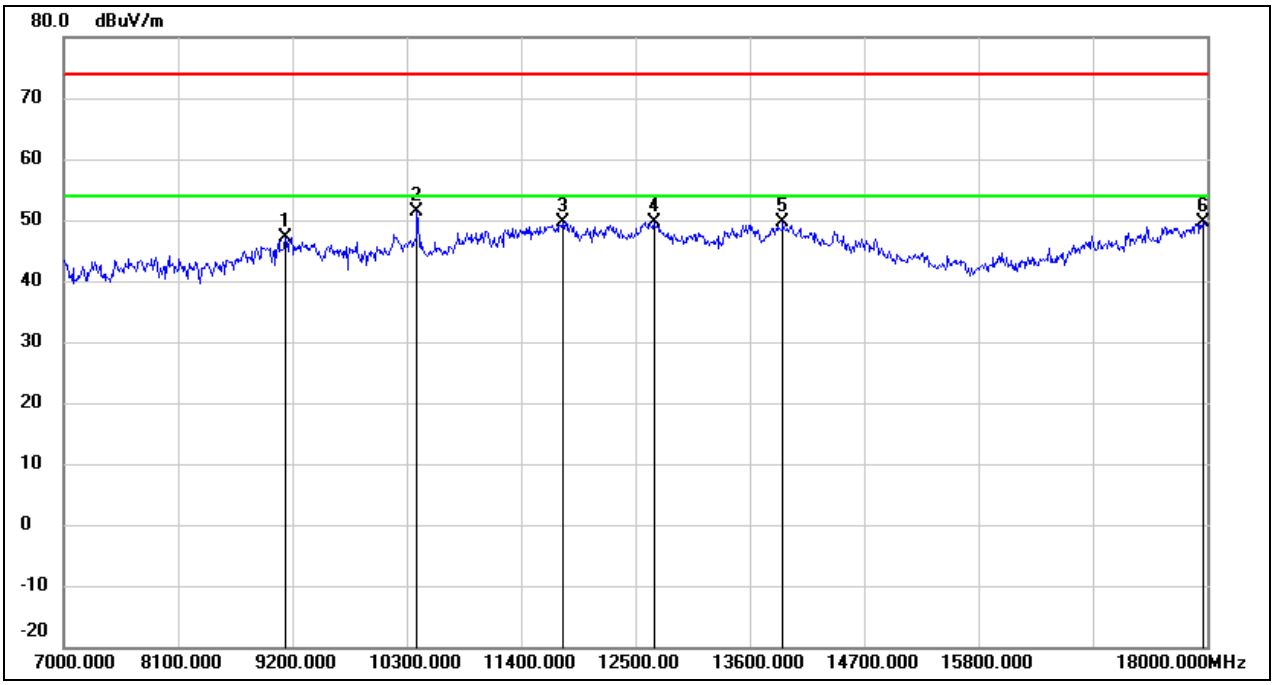
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9200.000	36.47	10.46	46.93	74.00	-27.07	peak
2	10355.000	39.58	12.52	52.10	74.00	-21.90	peak
3	11521.000	32.70	16.82	49.52	74.00	-24.48	peak
4	12577.000	32.03	17.93	49.96	74.00	-24.04	peak
5	13600.000	29.07	20.89	49.96	74.00	-24.04	peak
6	17923.000	23.87	25.60	49.47	74.00	-24.53	peak

Test Mode:	802.11ax HE20	Channel:	5180
Polarity:	Vertical	Test Voltage:	DC 12 V



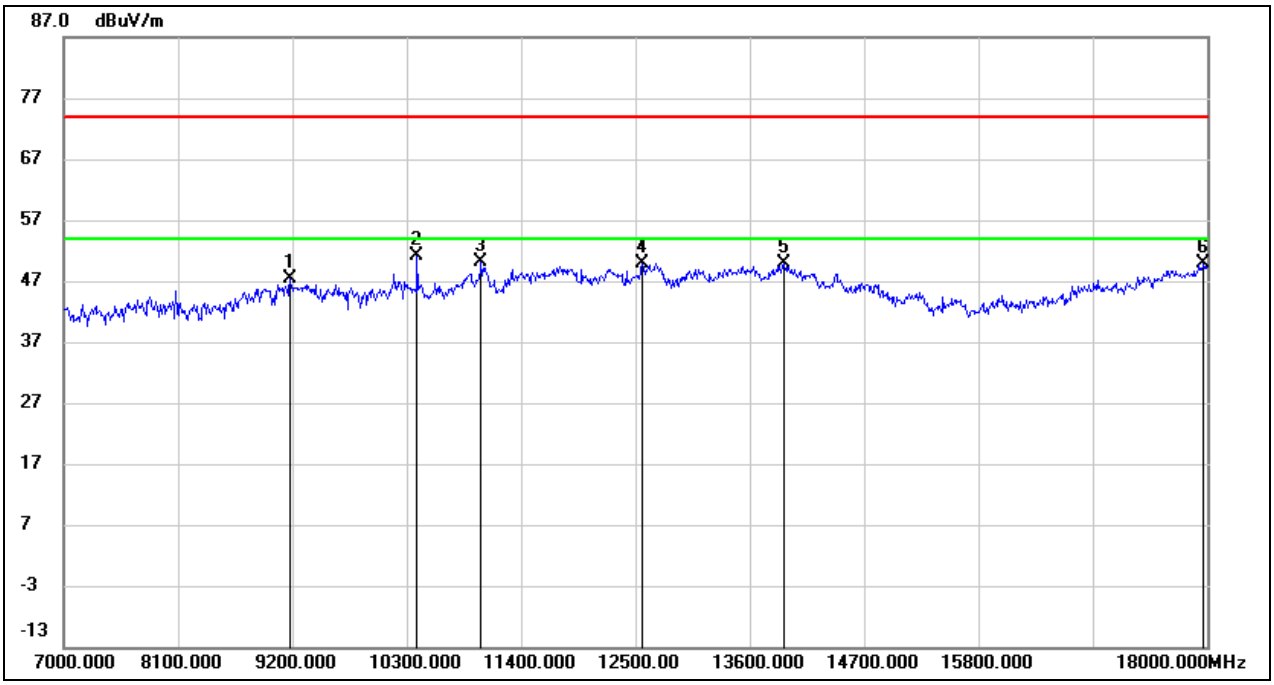
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9068.000	37.14	10.39	47.53	74.00	-26.47	peak
2	10355.000	39.60	12.52	52.12	74.00	-21.88	peak
3	11631.000	32.73	17.01	49.74	74.00	-24.26	peak
4	12698.000	32.51	18.08	50.59	74.00	-23.41	peak
5	13809.000	28.48	21.41	49.89	74.00	-24.11	peak
6	17945.000	24.72	25.75	50.47	74.00	-23.53	peak

Test Mode:	802.11ax HE20	Channel:	5200
Polarity:	Horizontal	Test Voltage:	DC 12 V



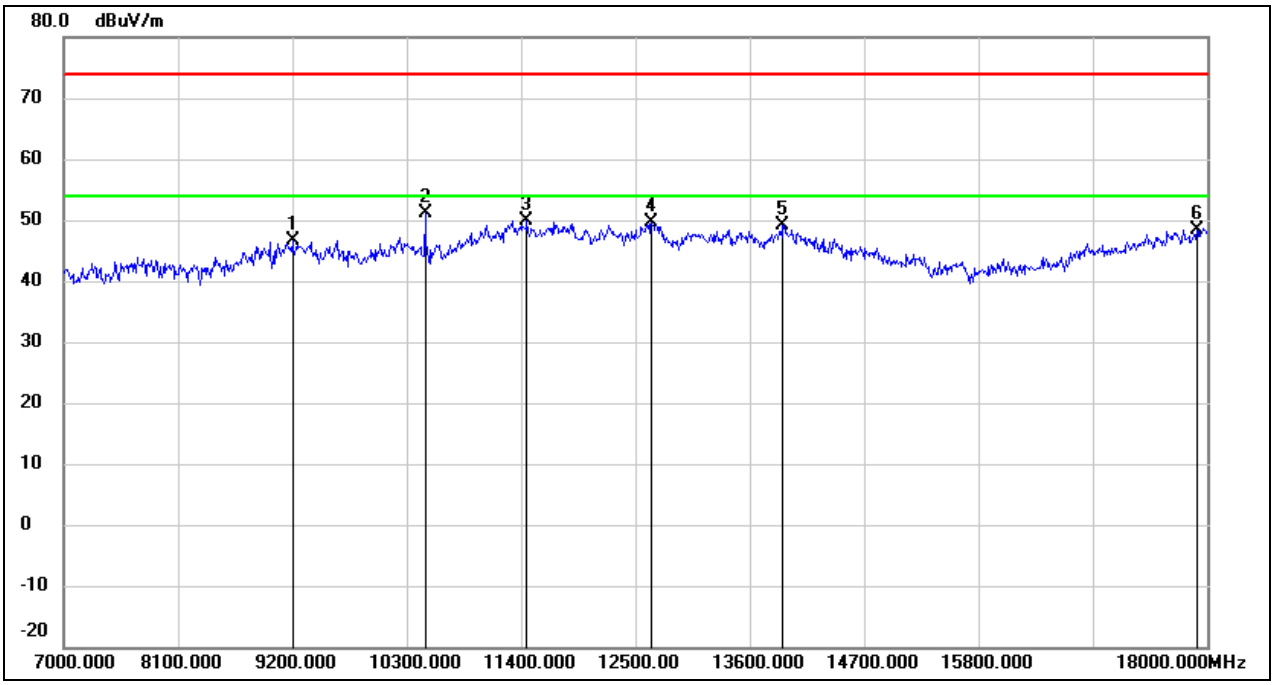
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9134.000	36.81	10.41	47.22	74.00	-26.78	peak
2	10399.000	38.71	12.61	51.32	74.00	-22.68	peak
3	11796.000	32.41	17.32	49.73	74.00	-24.27	peak
4	12676.000	31.65	18.05	49.70	74.00	-24.30	peak
5	13919.000	27.92	21.68	49.60	74.00	-24.40	peak
6	17967.000	23.77	25.89	49.66	74.00	-24.34	peak

Test Mode:	802.11ax HE20	Channel:	5200
Polarity:	Vertical	Test Voltage:	DC 12 V



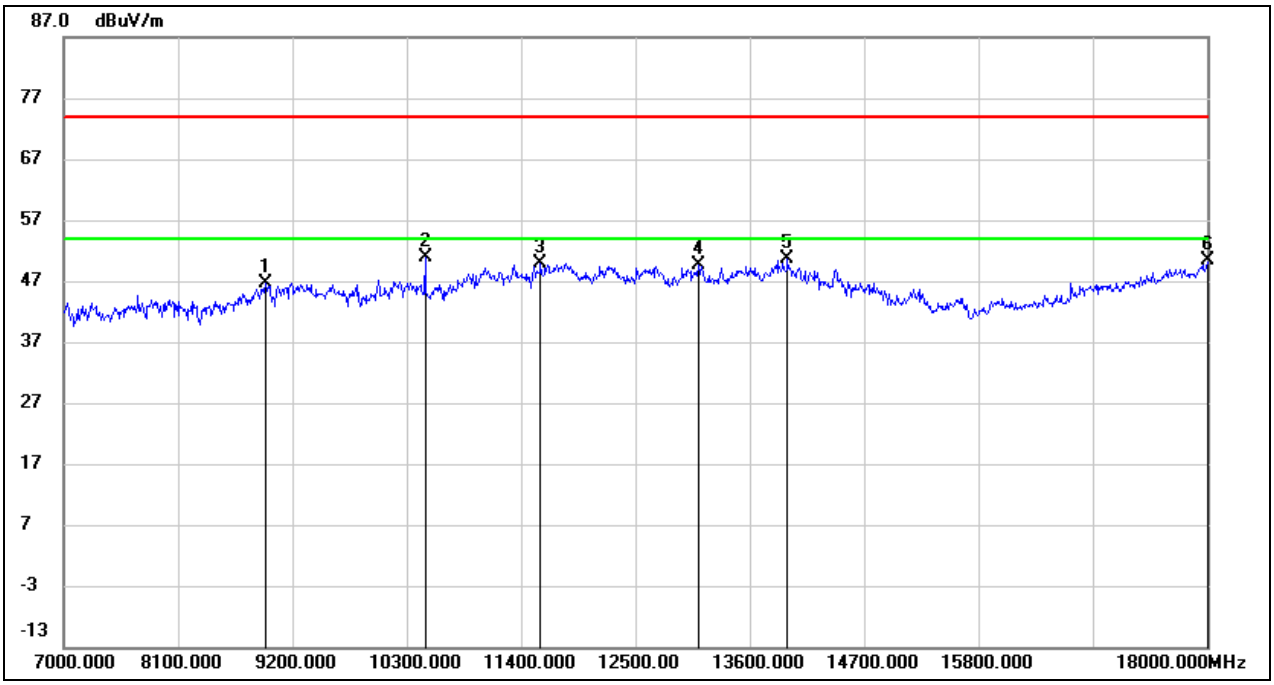
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9178.000	37.01	10.45	47.46	74.00	-26.54	peak
2	10399.000	38.49	12.61	51.10	74.00	-22.90	peak
3	11015.000	35.34	14.79	50.13	74.00	-23.87	peak
4	12566.000	31.98	17.91	49.89	74.00	-24.11	peak
5	13930.000	28.27	21.71	49.98	74.00	-24.02	peak
6	17967.000	24.01	25.89	49.90	74.00	-24.10	peak

Test Mode:	802.11ax HE20	Channel:	5240
Polarity:	Horizontal	Test Voltage:	DC 12 V



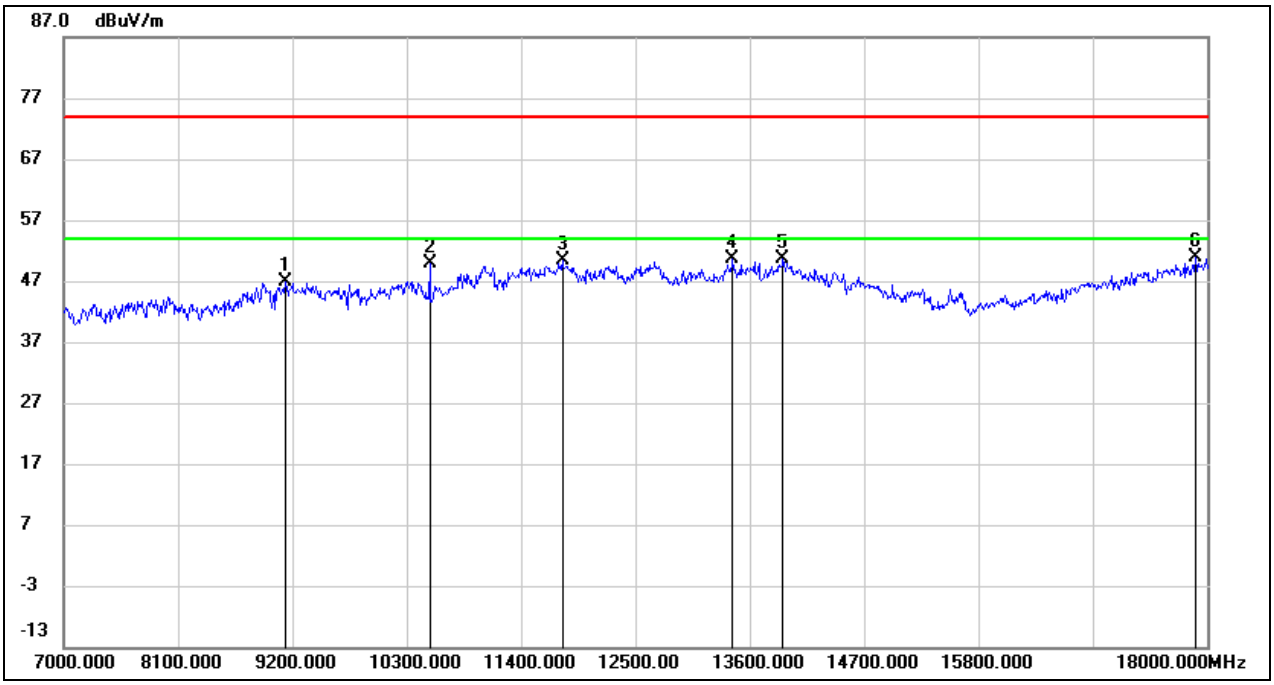
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9200.000	36.11	10.46	46.57	74.00	-27.43	peak
2	10476.000	38.31	12.77	51.08	74.00	-22.92	peak
3	11455.000	33.37	16.58	49.95	74.00	-24.05	peak
4	12654.000	31.63	18.01	49.64	74.00	-24.36	peak
5	13919.000	27.46	21.68	49.14	74.00	-24.86	peak
6	17901.000	22.83	25.45	48.28	74.00	-25.72	peak

Test Mode:	802.11ax HE20	Channel:	5240
Polarity:	Vertical	Test Voltage:	DC 12 V



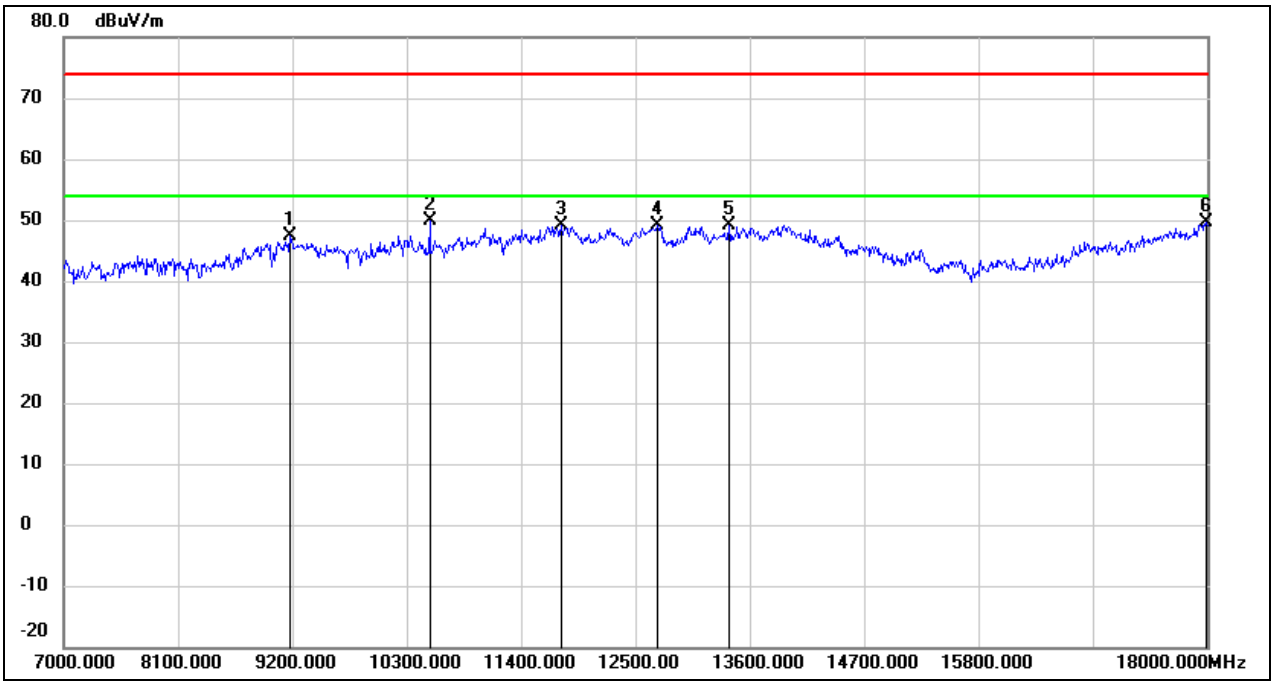
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8936.000	36.85	9.90	46.75	74.00	-27.25	peak
2	10476.000	38.04	12.77	50.81	74.00	-23.19	peak
3	11587.000	33.05	16.93	49.98	74.00	-24.02	peak
4	13105.000	30.83	18.91	49.74	74.00	-24.26	peak
5	13963.000	28.76	21.78	50.54	74.00	-23.46	peak
6	18000.000	24.20	26.12	50.32	74.00	-23.68	peak

Test Mode:	802.11ax HE20	Channel:	5260
Polarity:	Horizontal	Test Voltage:	DC 12 V



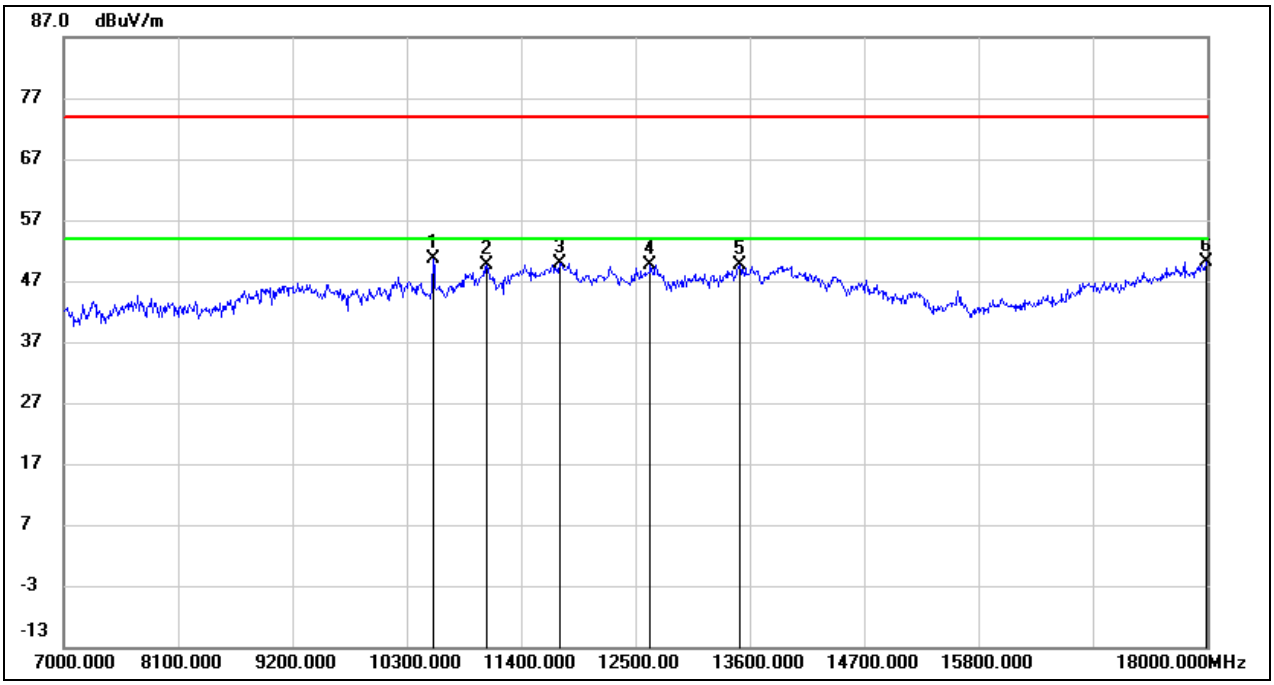
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9134.000	36.56	10.41	46.97	74.00	-27.03	peak
2	10520.000	37.09	12.90	49.99	74.00	-24.01	peak
3	11796.000	33.03	17.32	50.35	74.00	-23.65	peak
4	13435.000	30.16	20.35	50.51	74.00	-23.49	peak
5	13919.000	29.03	21.68	50.71	74.00	-23.29	peak
6	17890.000	25.47	25.37	50.84	74.00	-23.16	peak

Test Mode:	802.11ax HE20	Channel:	5260
Polarity:	Vertical	Test Voltage:	DC 12 V



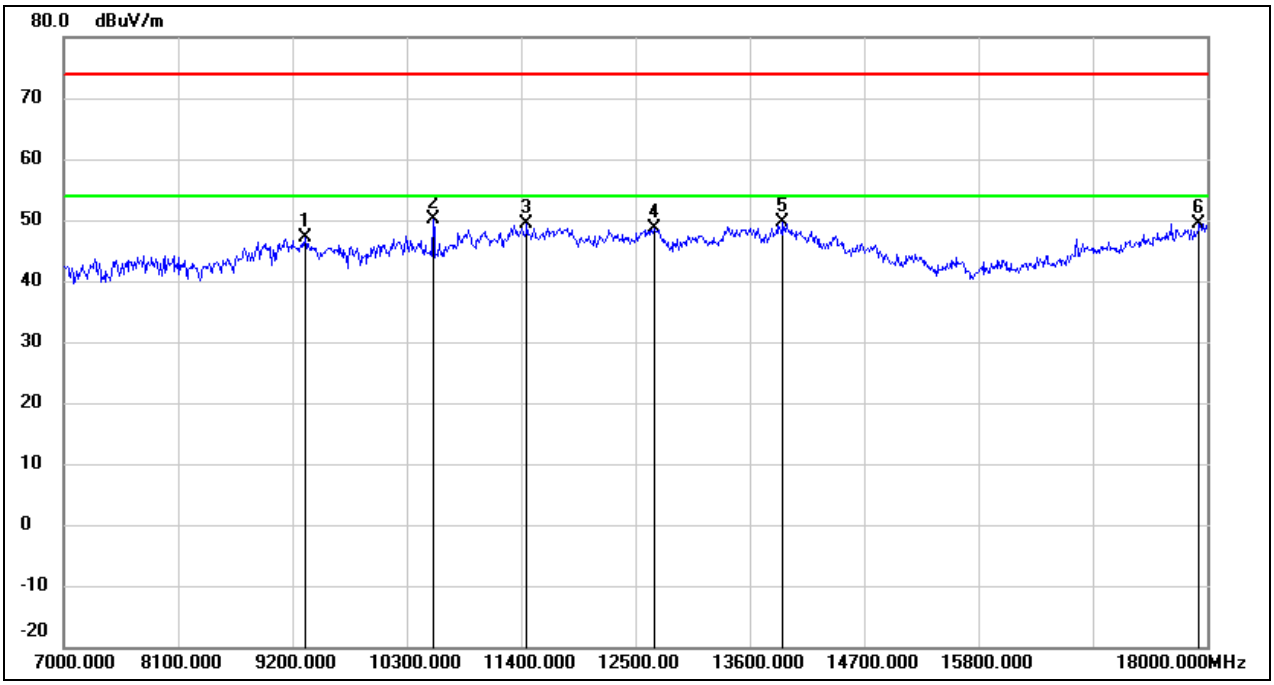
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9178.000	36.99	10.45	47.44	74.00	-26.56	peak
2	10520.000	37.08	12.90	49.98	74.00	-24.02	peak
3	11785.000	31.94	17.30	49.24	74.00	-24.76	peak
4	12709.000	30.95	18.09	49.04	74.00	-24.96	peak
5	13402.000	28.85	20.20	49.05	74.00	-24.95	peak
6	17989.000	23.54	26.04	49.58	74.00	-24.42	peak

Test Mode:	802.11ax HE20	Channel:	5280
Polarity:	Horizontal	Test Voltage:	DC 12 V



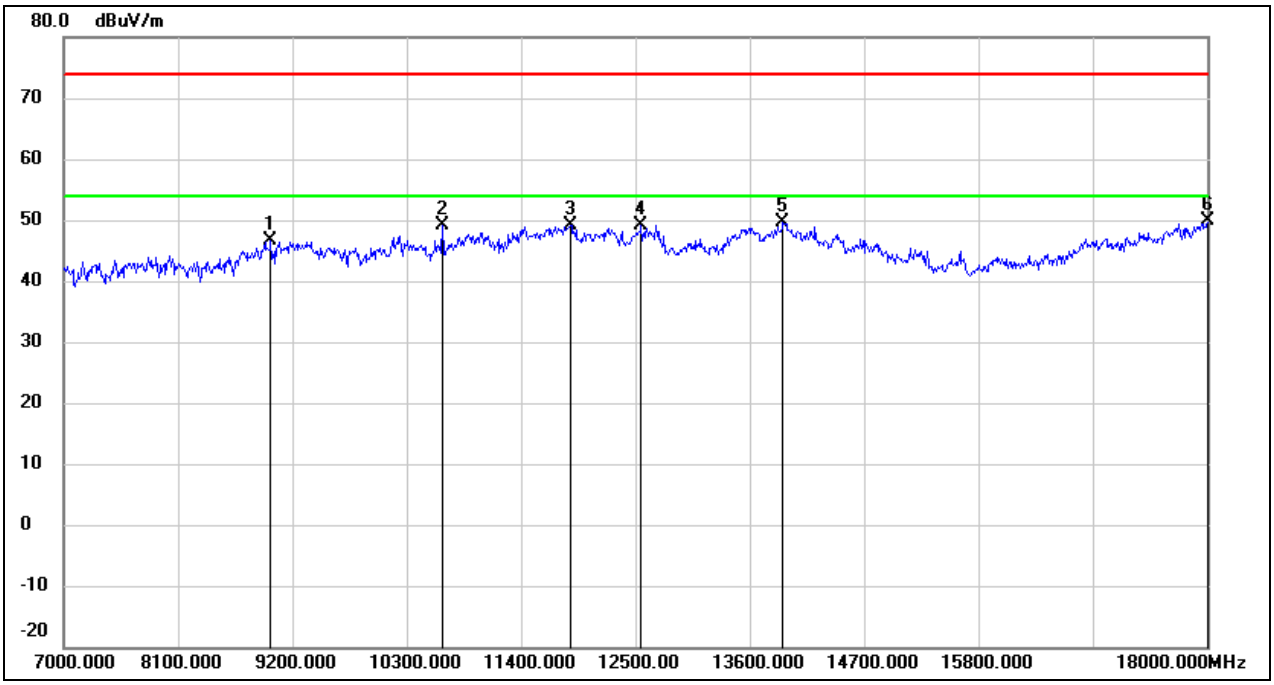
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10553.000	37.62	13.02	50.64	74.00	-23.36	peak
2	11070.000	34.60	15.01	49.61	74.00	-24.39	peak
3	11774.000	32.66	17.28	49.94	74.00	-24.06	peak
4	12643.000	31.62	18.01	49.63	74.00	-24.37	peak
5	13501.000	28.95	20.64	49.59	74.00	-24.41	peak
6	17989.000	24.19	26.04	50.23	74.00	-23.77	peak

Test Mode:	802.11ax HE20	Channel:	5280
Polarity:	Vertical	Test Voltage:	DC 12 V



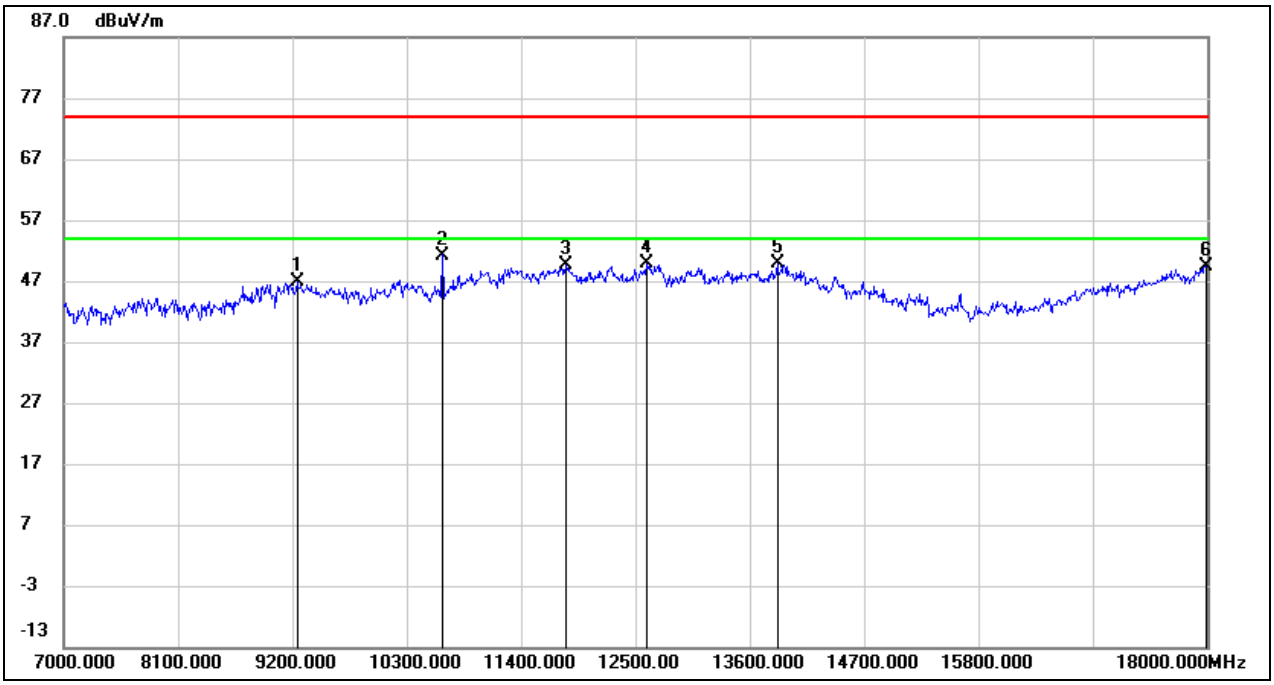
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9321.000	36.60	10.53	47.13	74.00	-26.87	peak
2	10553.000	37.04	13.02	50.06	74.00	-23.94	peak
3	11455.000	32.73	16.58	49.31	74.00	-24.69	peak
4	12676.000	30.47	18.05	48.52	74.00	-25.48	peak
5	13919.000	27.91	21.68	49.59	74.00	-24.41	peak
6	17923.000	23.85	25.60	49.45	74.00	-24.55	peak

Test Mode:	802.11ax HE20	Channel:	5320
Polarity:	Horizontal	Test Voltage:	DC 12 V



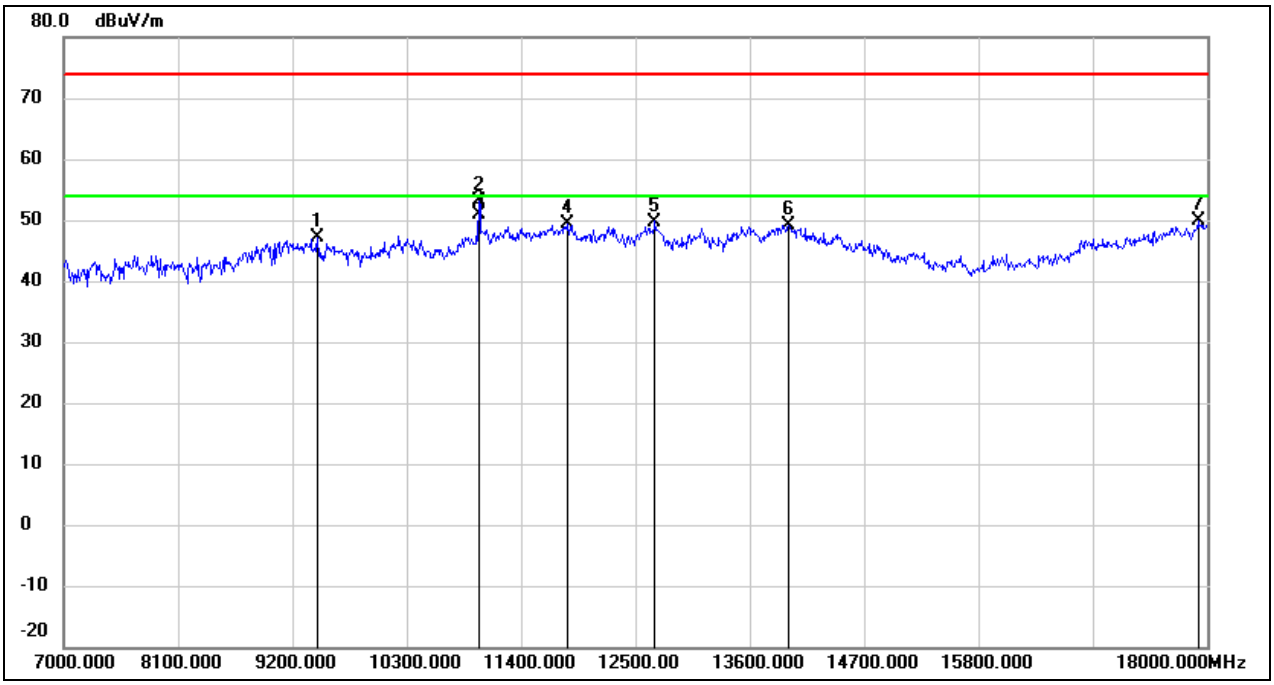
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8991.000	36.25	10.28	46.53	74.00	-27.47	peak
2	10641.000	35.83	13.36	49.19	74.00	-24.81	peak
3	11873.000	31.77	17.46	49.23	74.00	-24.77	peak
4	12555.000	31.31	17.90	49.21	74.00	-24.79	peak
5	13919.000	27.83	21.68	49.51	74.00	-24.49	peak
6	18000.000	23.68	26.12	49.80	74.00	-24.20	peak

Test Mode:	802.11ax HE20	Channel:	5320
Polarity:	Vertical	Test Voltage:	DC 12 V



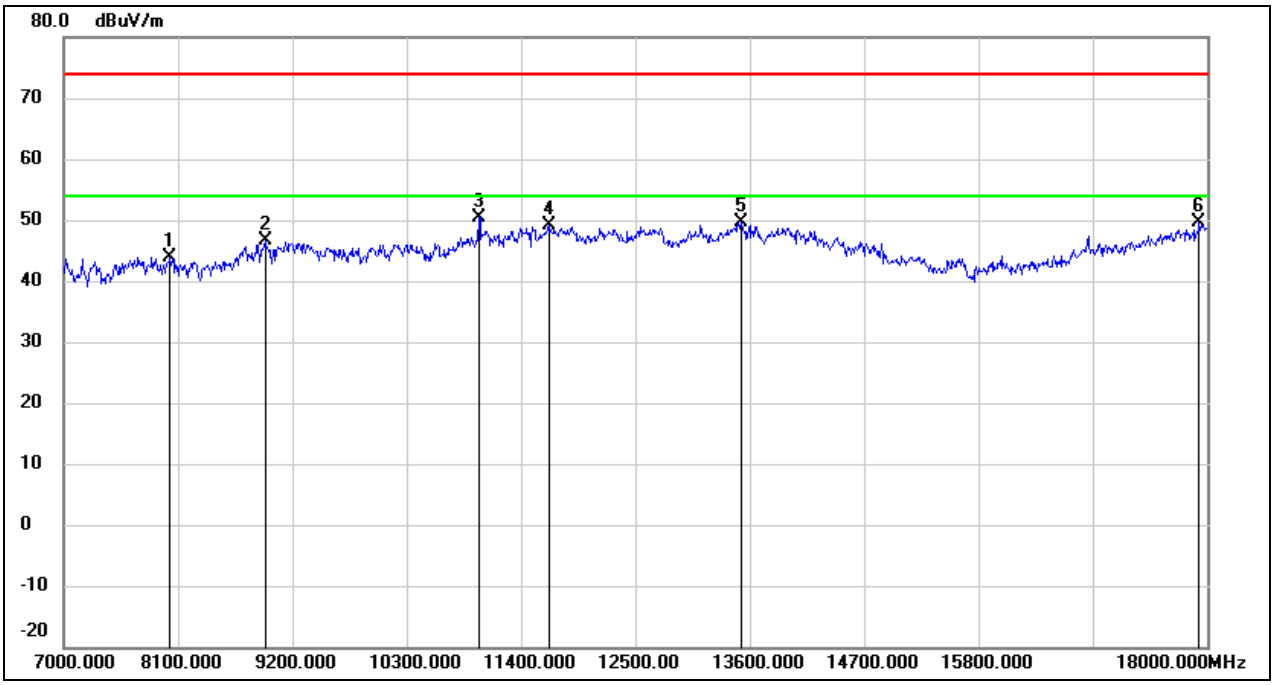
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9244.000	36.43	10.49	46.92	74.00	-27.08	peak
2	10641.000	37.89	13.36	51.25	74.00	-22.75	peak
3	11829.000	32.26	17.38	49.64	74.00	-24.36	peak
4	12610.000	31.86	17.97	49.83	74.00	-24.17	peak
5	13864.000	28.23	21.53	49.76	74.00	-24.24	peak
6	17989.000	23.40	26.04	49.44	74.00	-24.56	peak

Test Mode:	802.11ax HE20	Channel:	5500
Polarity:	Horizontal	Test Voltage:	DC 12 V



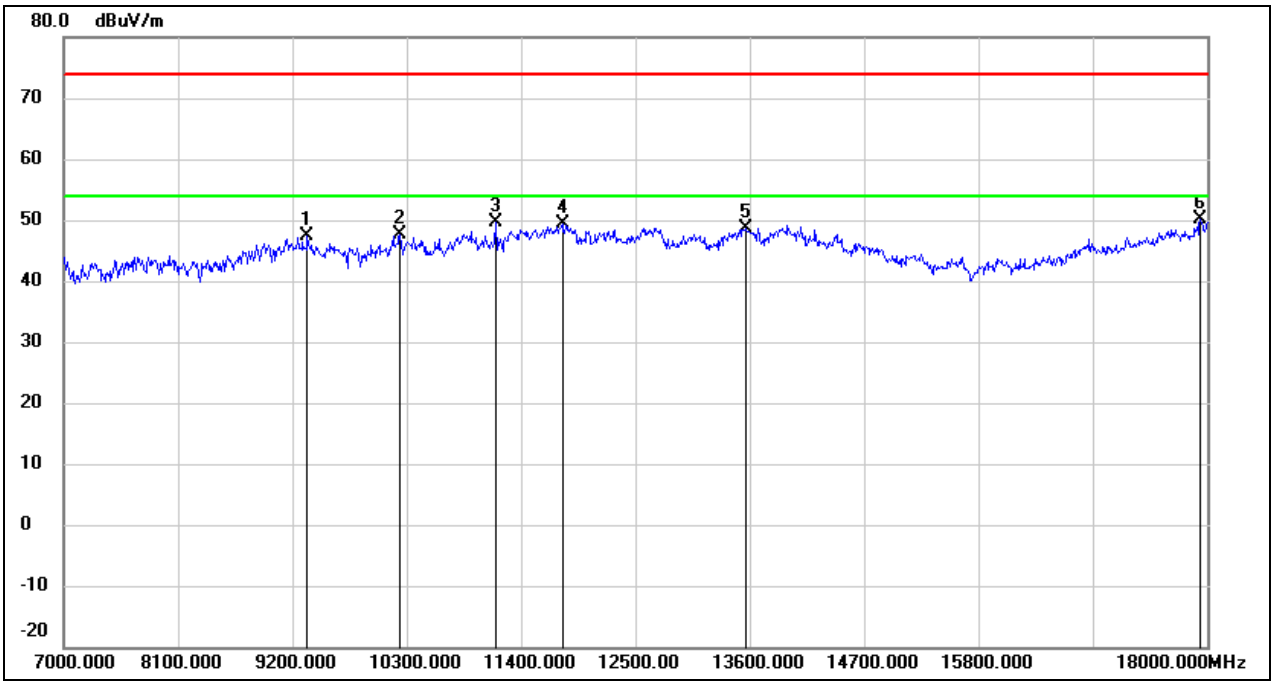
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9442.000	36.45	10.61	47.06	74.00	-26.94	peak
2	10993.000	38.52	14.70	53.22	74.00	-20.78	peak
3	10993.000	36.20	14.70	50.90	54.00	-3.10	AVG
4	11851.000	32.04	17.43	49.47	74.00	-24.53	peak
5	12687.000	31.70	18.05	49.75	74.00	-24.25	peak
6	13974.000	27.38	21.82	49.20	74.00	-24.80	peak
7	17912.000	24.24	25.52	49.76	74.00	-24.24	peak

Test Mode:	802.11ax HE20	Channel:	5500
Polarity:	Vertical	Test Voltage:	DC 12 V



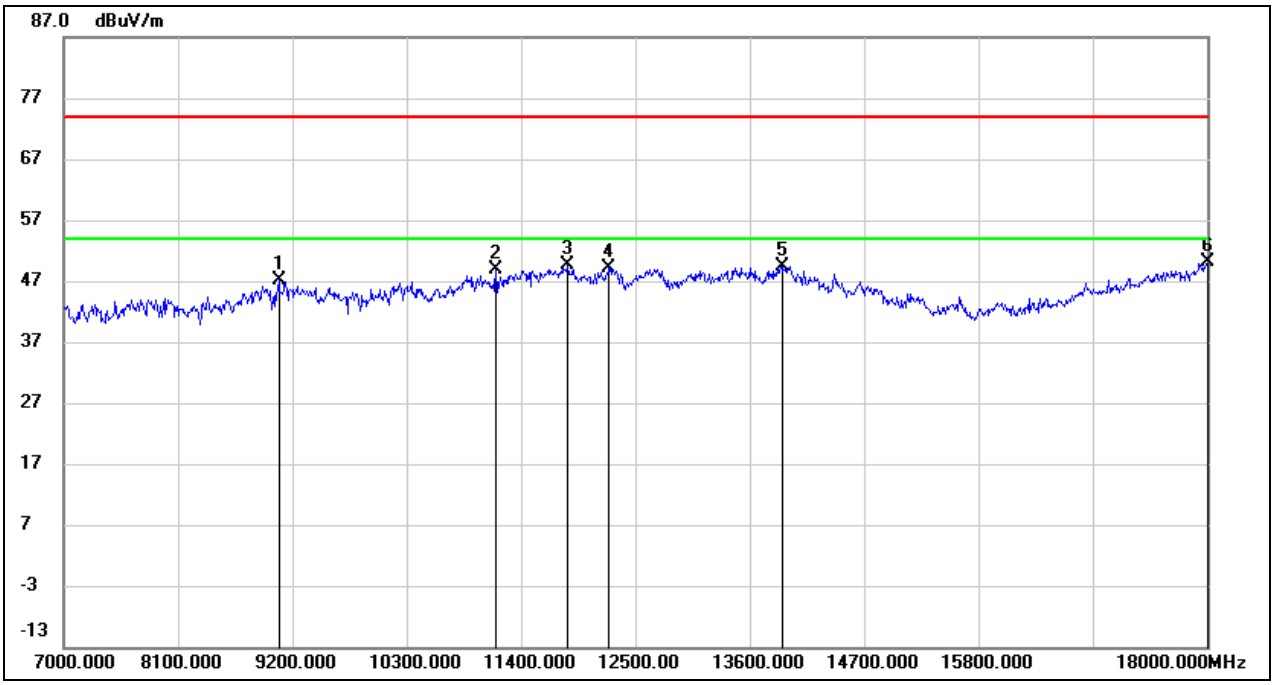
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8023.000	37.53	6.45	43.98	74.00	-30.02	peak
2	8936.000	36.67	9.90	46.57	74.00	-27.43	peak
3	10993.000	35.79	14.70	50.49	74.00	-23.51	peak
4	11664.000	32.11	17.08	49.19	74.00	-24.81	peak
5	13512.000	28.96	20.68	49.64	74.00	-24.36	peak
6	17923.000	23.99	25.60	49.59	74.00	-24.41	peak

Test Mode:	802.11ax HE20	Channel:	5580
Polarity:	Horizontal	Test Voltage:	DC 12 V



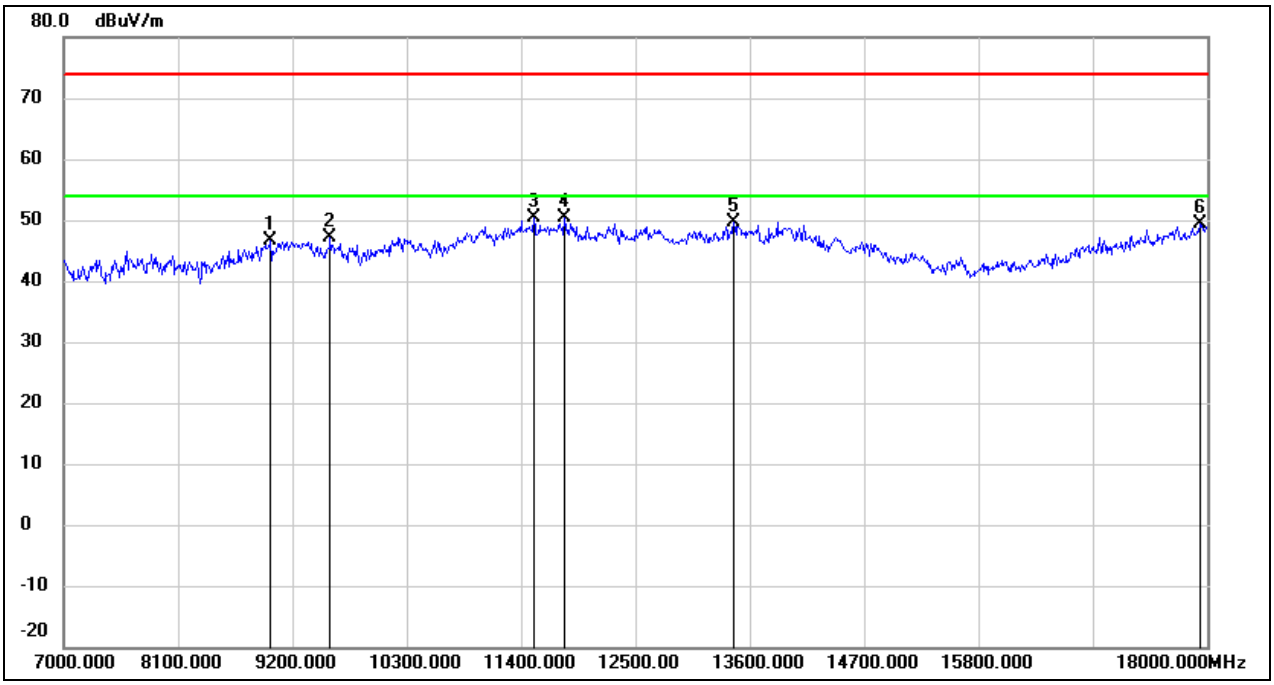
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9343.000	36.93	10.55	47.48	74.00	-26.52	peak
2	10234.000	35.32	12.26	47.58	74.00	-26.42	peak
3	11158.000	34.28	15.37	49.65	74.00	-24.35	peak
4	11796.000	32.09	17.32	49.41	74.00	-24.59	peak
5	13567.000	27.93	20.80	48.73	74.00	-25.27	peak
6	17934.000	24.36	25.67	50.03	74.00	-23.97	peak

Test Mode:	802.11ax HE20	Channel:	5580
Polarity:	Vertical	Test Voltage:	DC 12 V



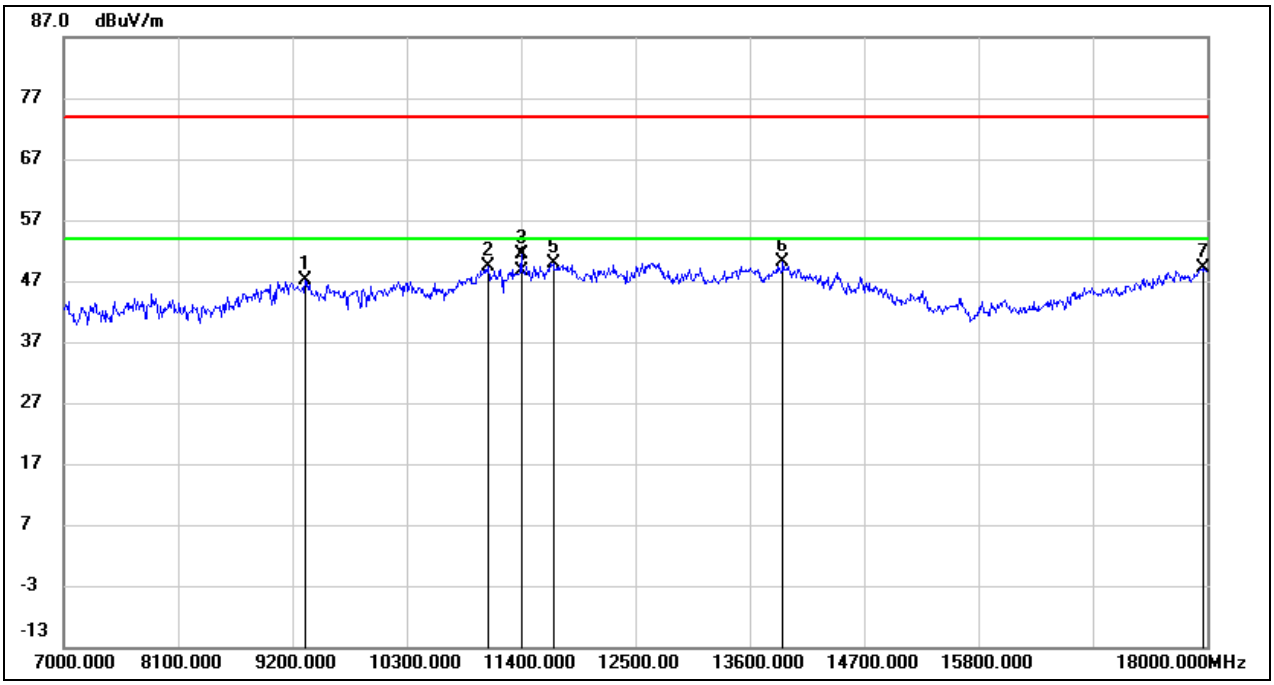
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9068.000	36.64	10.39	47.03	74.00	-26.97	peak
2	11158.000	33.55	15.37	48.92	74.00	-25.08	peak
3	11851.000	32.23	17.43	49.66	74.00	-24.34	peak
4	12247.000	31.34	17.77	49.11	74.00	-24.89	peak
5	13919.000	27.70	21.68	49.38	74.00	-24.62	peak
6	18000.000	23.98	26.12	50.10	74.00	-23.90	peak

Test Mode:	802.11ax HE20	Channel:	5700
Polarity:	Horizontal	Test Voltage:	DC 12 V



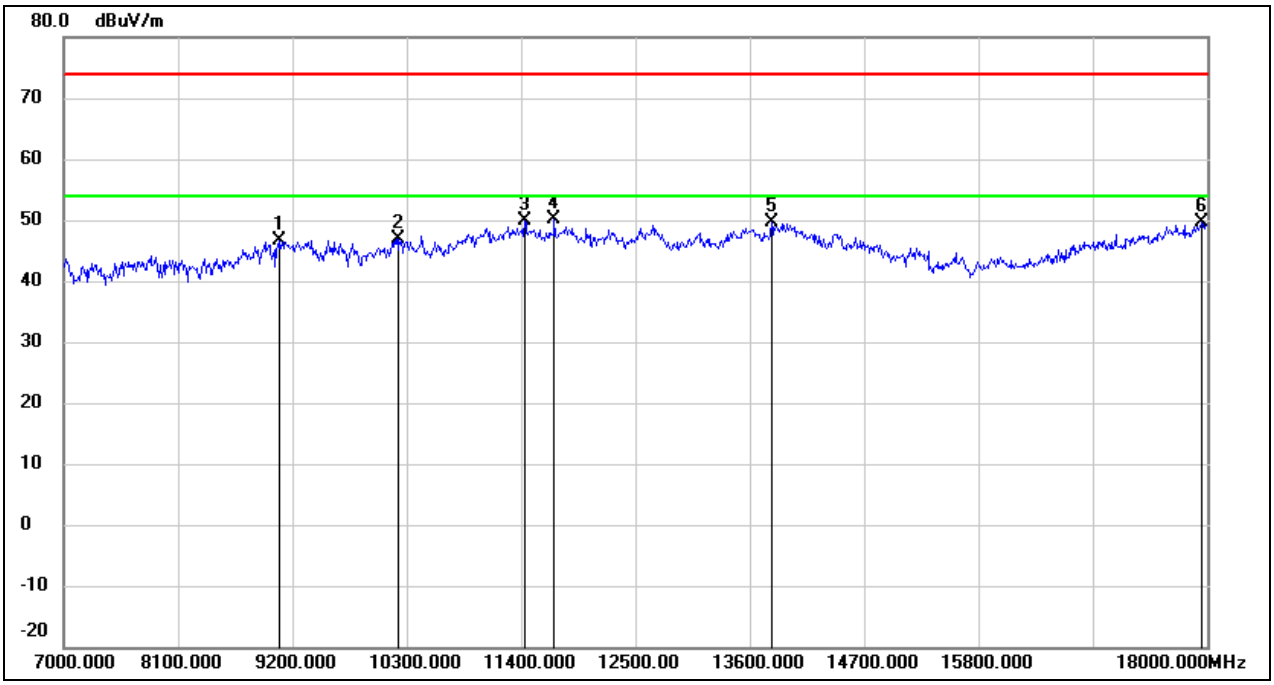
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8991.000	36.25	10.28	46.53	74.00	-27.47	peak
2	9563.000	36.42	10.79	47.21	74.00	-26.79	peak
3	11521.000	33.51	16.82	50.33	74.00	-23.67	peak
4	11818.000	32.99	17.36	50.35	74.00	-23.65	peak
5	13446.000	29.21	20.41	49.62	74.00	-24.38	peak
6	17934.000	23.75	25.67	49.42	74.00	-24.58	peak

Test Mode:	802.11ax HE20	Channel:	5700
Polarity:	Vertical	Test Voltage:	DC 12 V



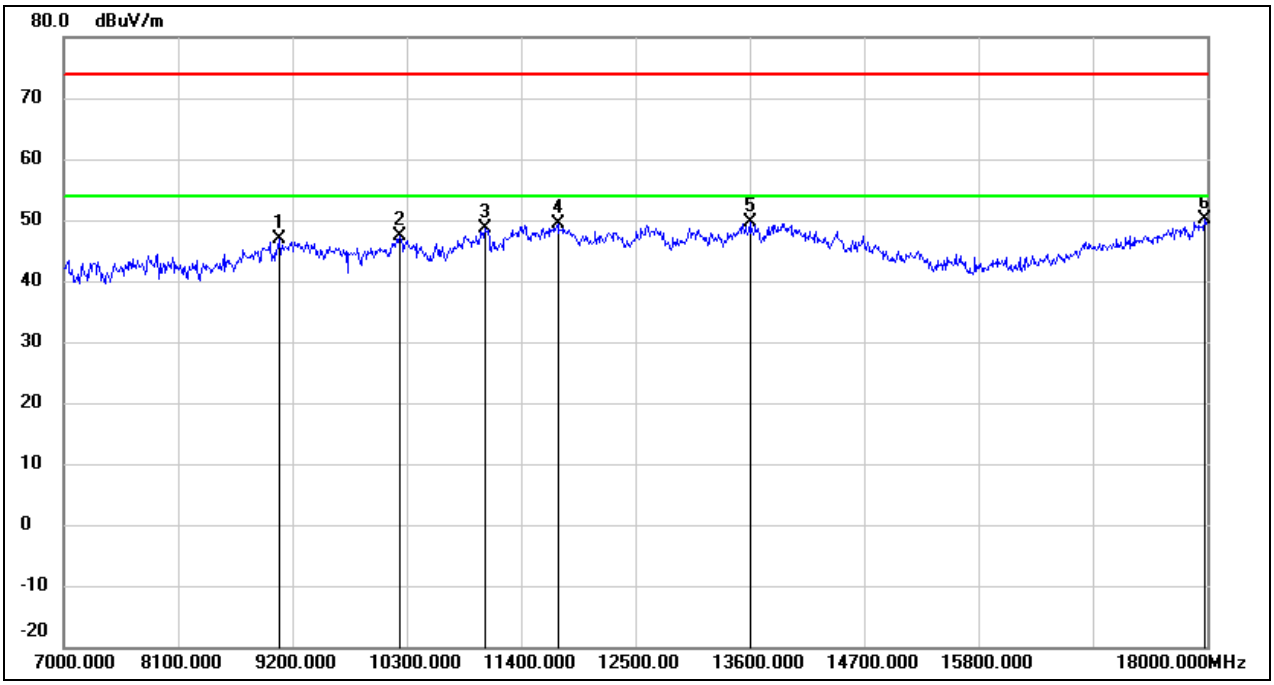
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9321.000	36.53	10.53	47.06	74.00	-26.94	peak
2	11081.000	34.30	15.05	49.35	74.00	-24.65	peak
3	11400.000	34.92	16.36	51.28	74.00	-22.72	peak
4	11400.000	32.24	16.36	48.60	54.00	-5.40	AVG
5	11708.000	32.76	17.16	49.92	74.00	-24.08	peak
6	13919.000	28.40	21.68	50.08	74.00	-23.92	peak
7	17967.000	23.25	25.89	49.14	74.00	-24.86	peak

Test Mode:	802.11ax HE20	Channel:	5720
Polarity:	Horizontal	Test Voltage:	DC 12 V



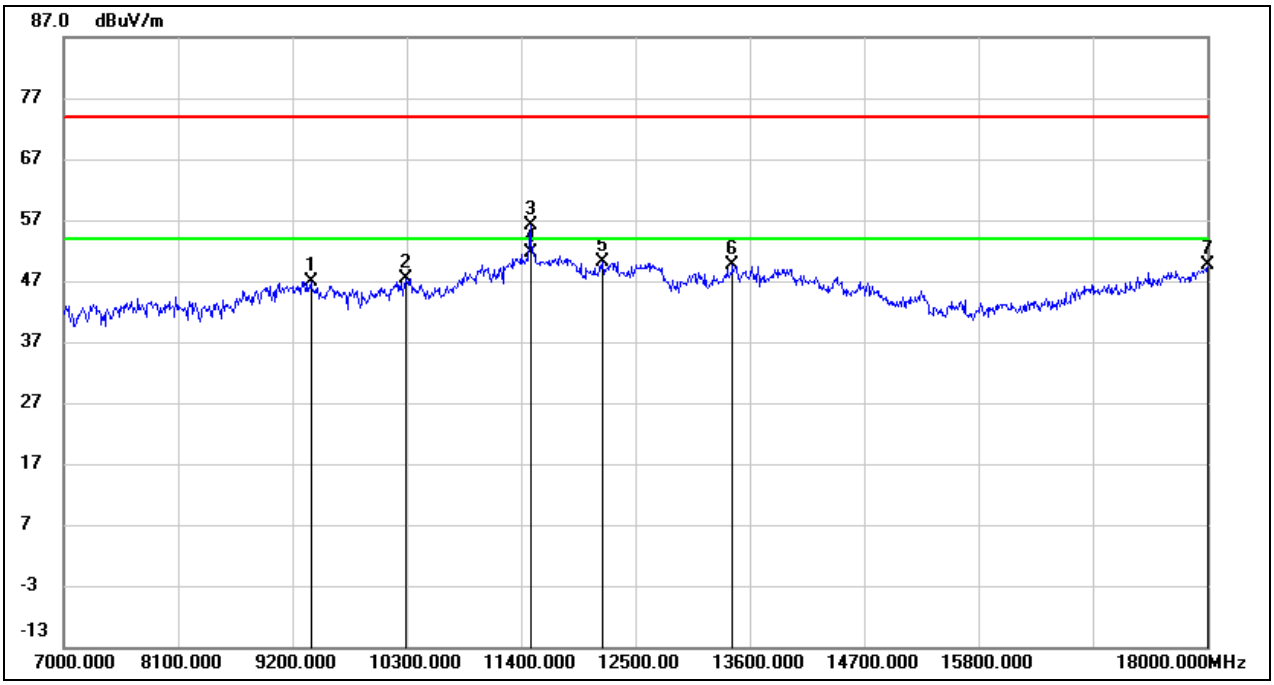
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9079.000	36.24	10.39	46.63	74.00	-27.37	peak
2	10223.000	34.66	12.24	46.90	74.00	-27.10	peak
3	11433.000	33.31	16.50	49.81	74.00	-24.19	peak
4	11719.000	32.87	17.18	50.05	74.00	-23.95	peak
5	13809.000	28.30	21.41	49.71	74.00	-24.29	peak
6	17945.000	23.93	25.75	49.68	74.00	-24.32	peak

Test Mode:	802.11ax HE20	Channel:	5720
Polarity:	Vertical	Test Voltage:	DC 12 V



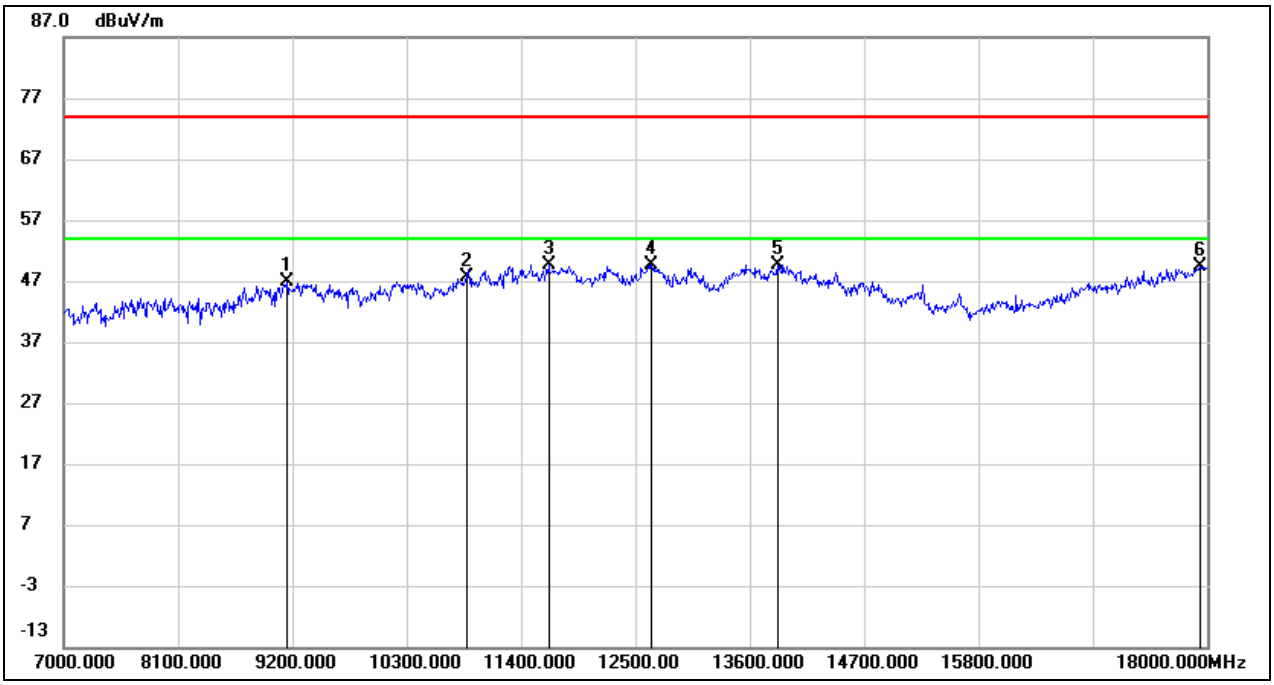
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9068.000	36.40	10.39	46.79	74.00	-27.21	peak
2	10234.000	35.12	12.26	47.38	74.00	-26.62	peak
3	11048.000	33.65	14.91	48.56	74.00	-25.44	peak
4	11752.000	32.15	17.24	49.39	74.00	-24.61	peak
5	13600.000	28.67	20.89	49.56	74.00	-24.44	peak
6	17978.000	24.13	25.97	50.10	74.00	-23.90	peak

Test Mode:	802.11ax HE20	Channel:	5745
Polarity:	Horizontal	Test Voltage:	DC 12 V



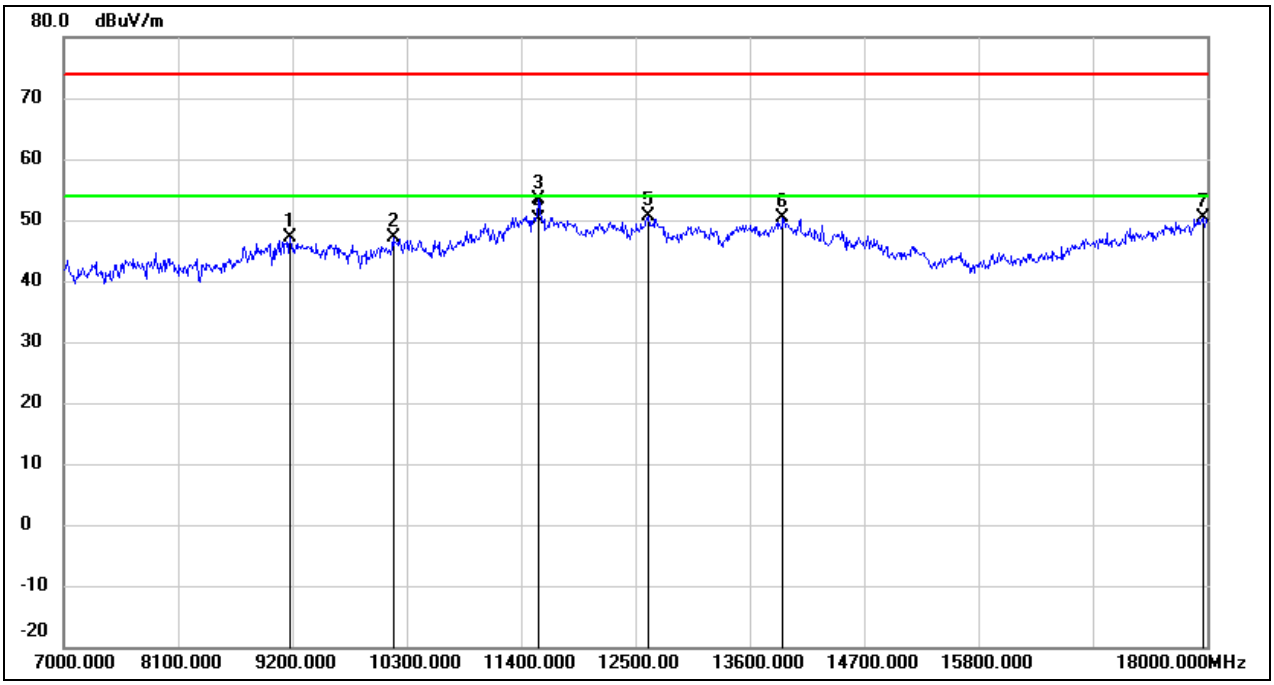
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9376.000	36.27	10.58	46.85	74.00	-27.15	peak
2	10289.000	34.93	12.38	47.31	74.00	-26.69	peak
3	11488.000	39.36	16.72	56.08	74.00	-17.92	peak
4	11488.000	34.98	16.72	51.70	54.00	-2.30	AVG
5	12181.000	32.31	17.75	50.06	74.00	-23.94	peak
6	13435.000	29.24	20.35	49.59	74.00	-24.41	peak
7	18000.000	23.39	26.12	49.51	74.00	-24.49	peak

Test Mode:	802.11ax HE20	Channel:	5745
Polarity:	Vertical	Test Voltage:	DC 12 V



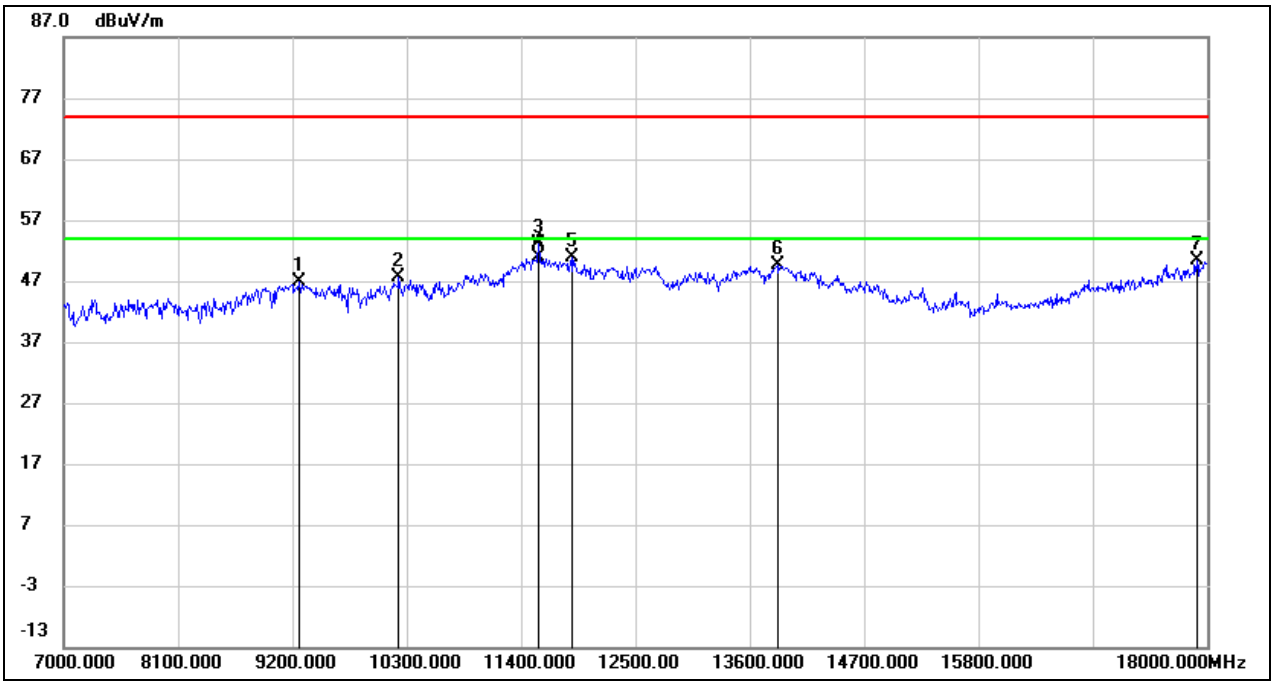
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9145.000	36.45	10.43	46.88	74.00	-27.12	peak
2	10872.000	33.47	14.23	47.70	74.00	-26.30	peak
3	11664.000	32.64	17.08	49.72	74.00	-24.28	peak
4	12654.000	31.62	18.01	49.63	74.00	-24.37	peak
5	13864.000	28.22	21.53	49.75	74.00	-24.25	peak
6	17934.000	23.83	25.67	49.50	74.00	-24.50	peak

Test Mode:	802.11ax HE20	Channel:	5785
Polarity:	Horizontal	Test Voltage:	DC 12 V



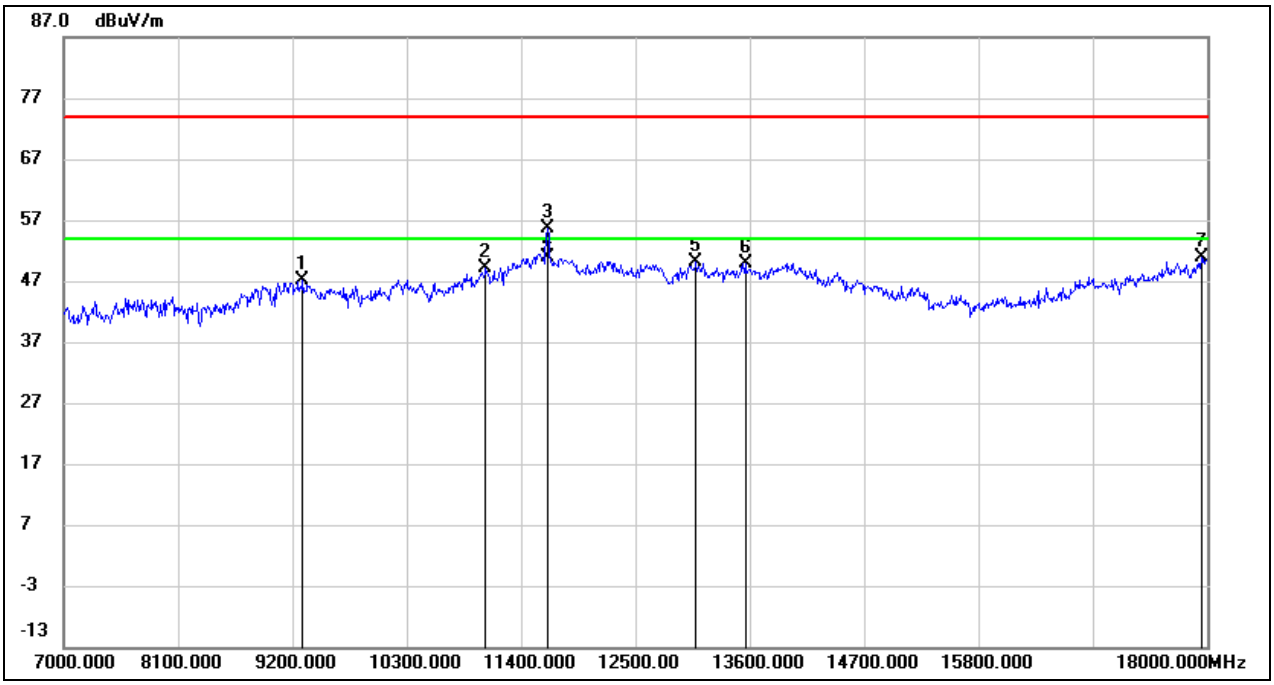
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9178.000	36.57	10.45	47.02	74.00	-26.98	peak
2	10168.000	34.88	12.13	47.01	74.00	-26.99	peak
3	11565.000	36.59	16.89	53.48	74.00	-20.52	peak
4	11565.000	33.31	16.89	50.20	54.00	-3.80	AVG
5	12621.000	32.61	17.98	50.59	74.00	-23.41	peak
6	13919.000	28.78	21.68	50.46	74.00	-23.54	peak
7	17967.000	24.40	25.89	50.29	74.00	-23.71	peak

Test Mode:	802.11ax HE20	Channel:	5785
Polarity:	Vertical	Test Voltage:	DC 12 V



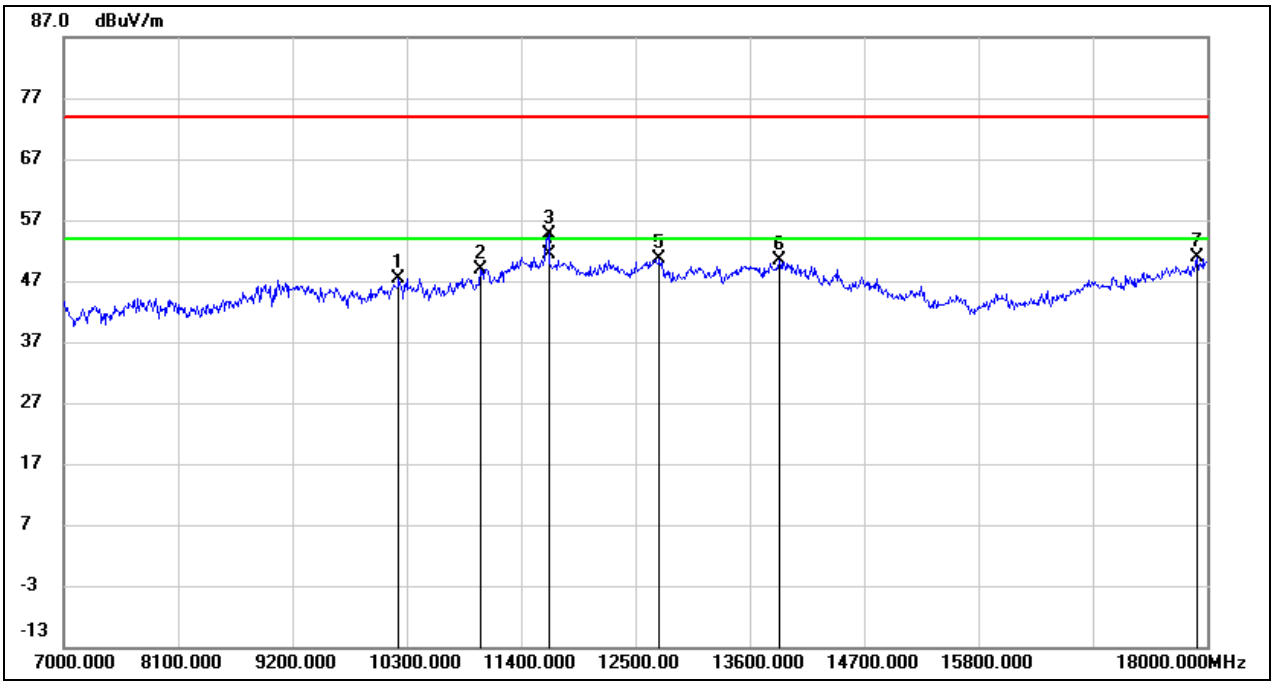
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9266.000	36.40	10.51	46.91	74.00	-27.09	peak
2	10223.000	35.37	12.24	47.61	74.00	-26.39	peak
3	11565.000	36.27	16.89	53.16	74.00	-20.84	peak
4	11565.000	33.91	16.89	50.80	54.00	-3.20	AVG
5	11884.000	33.52	17.48	51.00	74.00	-23.00	peak
6	13864.000	28.14	21.53	49.67	74.00	-24.33	peak
7	17901.000	24.97	25.45	50.42	74.00	-23.58	peak

Test Mode:	802.11ax HE20	Channel:	5825
Polarity:	Horizontal	Test Voltage:	DC 12 V



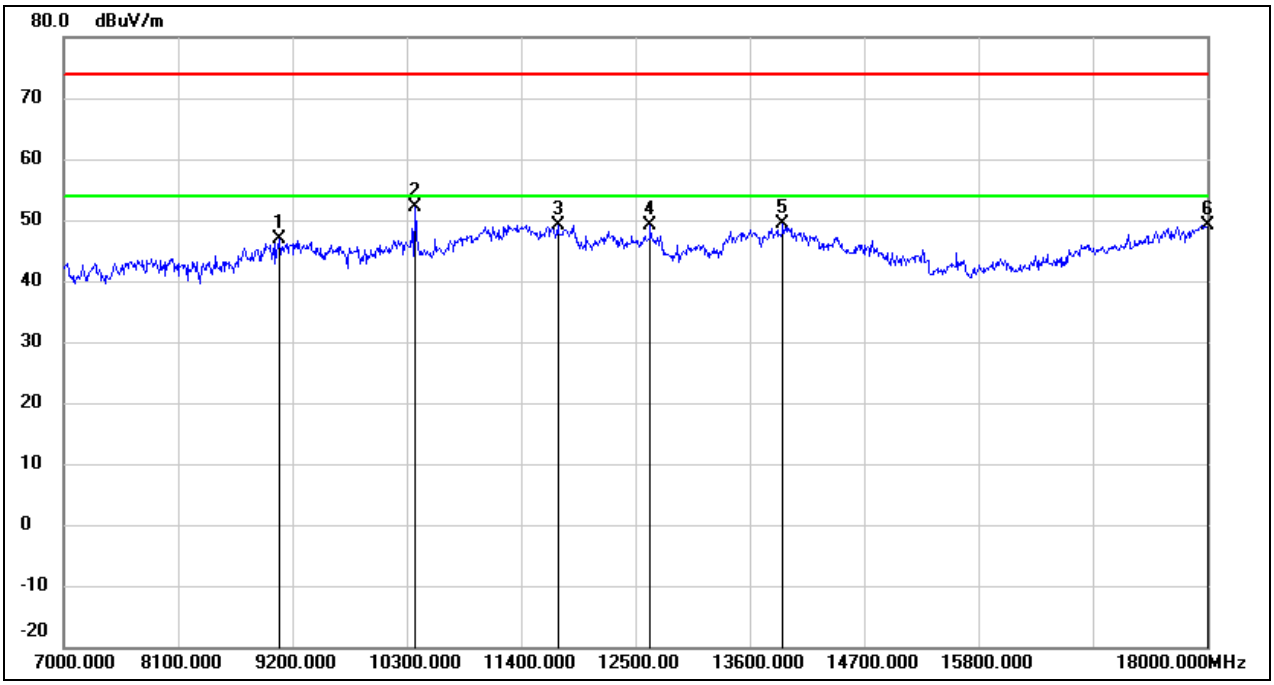
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9299.000	36.54	10.53	47.07	74.00	-26.93	peak
2	11059.000	34.22	14.96	49.18	74.00	-24.82	peak
3	11653.000	38.60	17.05	55.65	74.00	-18.35	peak
4	11653.000	33.75	17.05	50.80	54.00	-3.20	AVG
5	13083.000	31.32	18.81	50.13	74.00	-23.87	peak
6	13556.000	29.17	20.78	49.95	74.00	-24.05	peak
7	17945.000	25.04	25.75	50.79	74.00	-23.21	peak

Test Mode:	802.11ax HE20	Channel:	5825
Polarity:	Vertical	Test Voltage:	DC 12 V



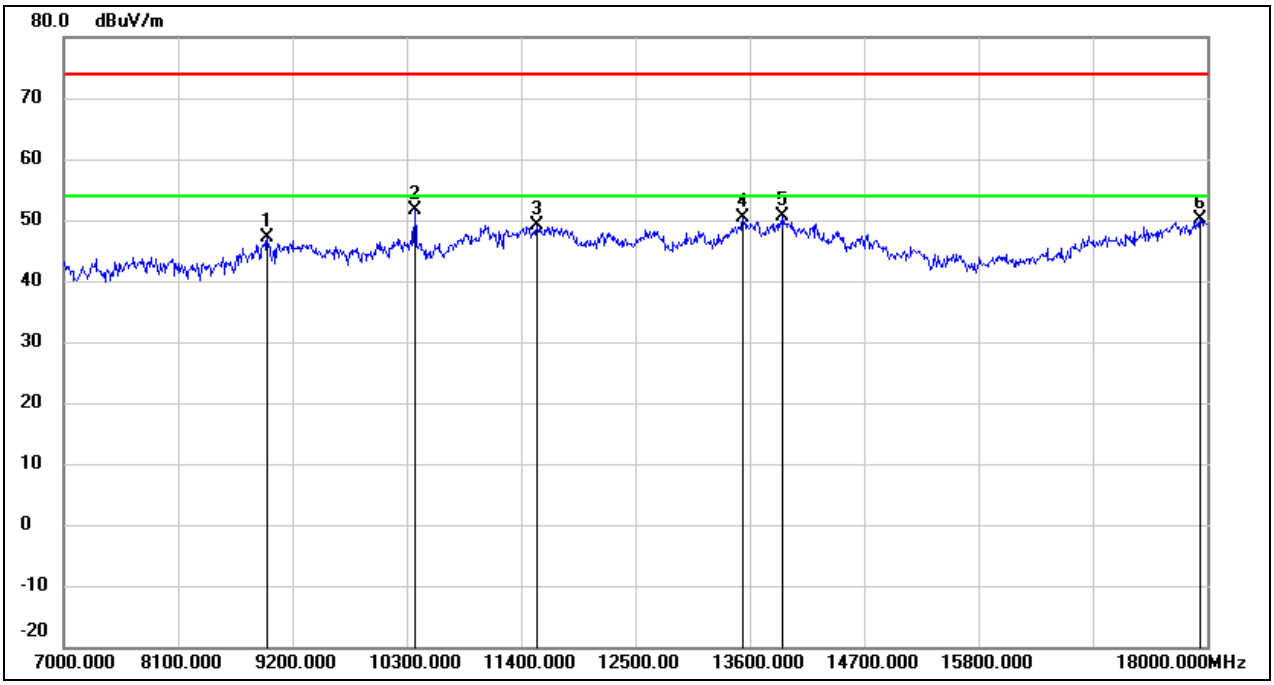
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10223.000	35.14	12.24	47.38	74.00	-26.62	peak
2	11004.000	34.25	14.74	48.99	74.00	-25.01	peak
3	11664.000	37.56	17.08	54.64	74.00	-19.36	peak
4	11664.000	34.22	17.08	51.30	54.00	-2.70	AVG
5	12731.000	32.46	18.12	50.58	74.00	-23.42	peak
6	13886.000	28.67	21.60	50.27	74.00	-23.73	peak
7	17901.000	25.50	25.45	50.95	74.00	-23.05	peak

Test Mode:	802.11ax HE40	Channel:	5190
Polarity:	Horizontal	Test Voltage:	DC 12 V



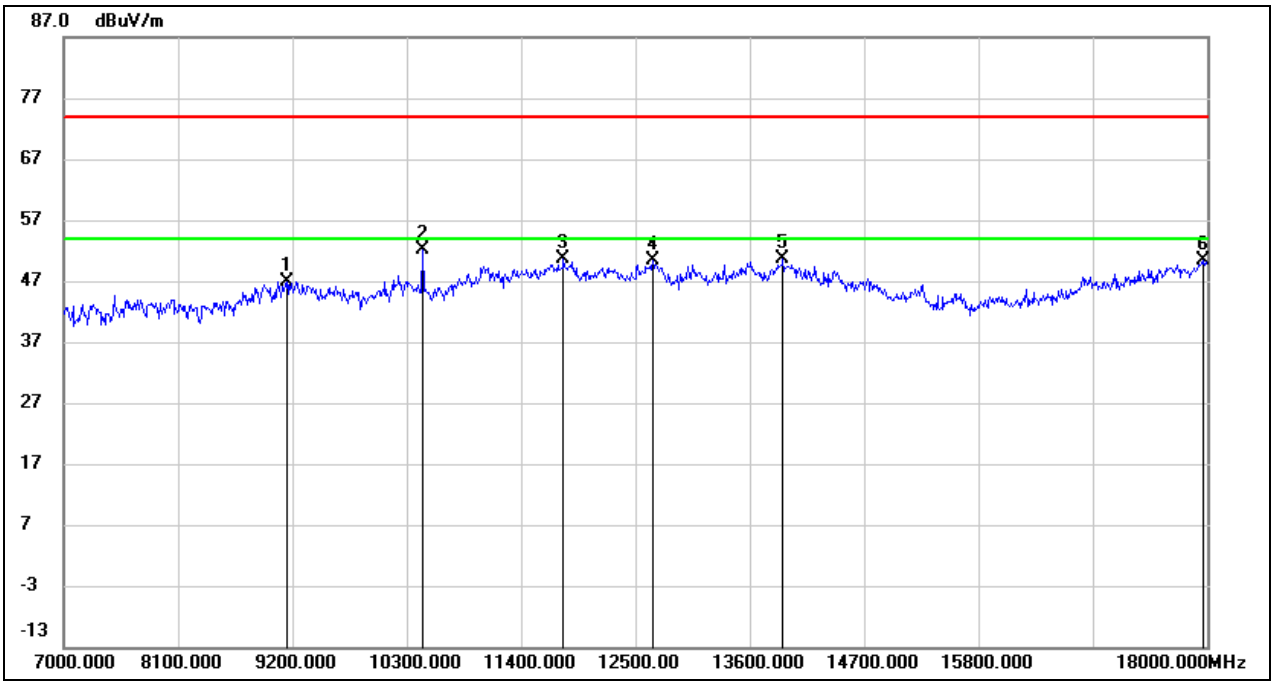
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9079.000	36.38	10.39	46.77	74.00	-27.23	peak
2	10377.000	39.61	12.56	52.17	74.00	-21.83	peak
3	11752.000	31.96	17.24	49.20	74.00	-24.80	peak
4	12643.000	31.06	18.01	49.07	74.00	-24.93	peak
5	13919.000	27.59	21.68	49.27	74.00	-24.73	peak
6	18000.000	23.04	26.12	49.16	74.00	-24.84	peak

Test Mode:	802.11ax HE40	Channel:	5190
Polarity:	Vertical	Test Voltage:	DC 12 V



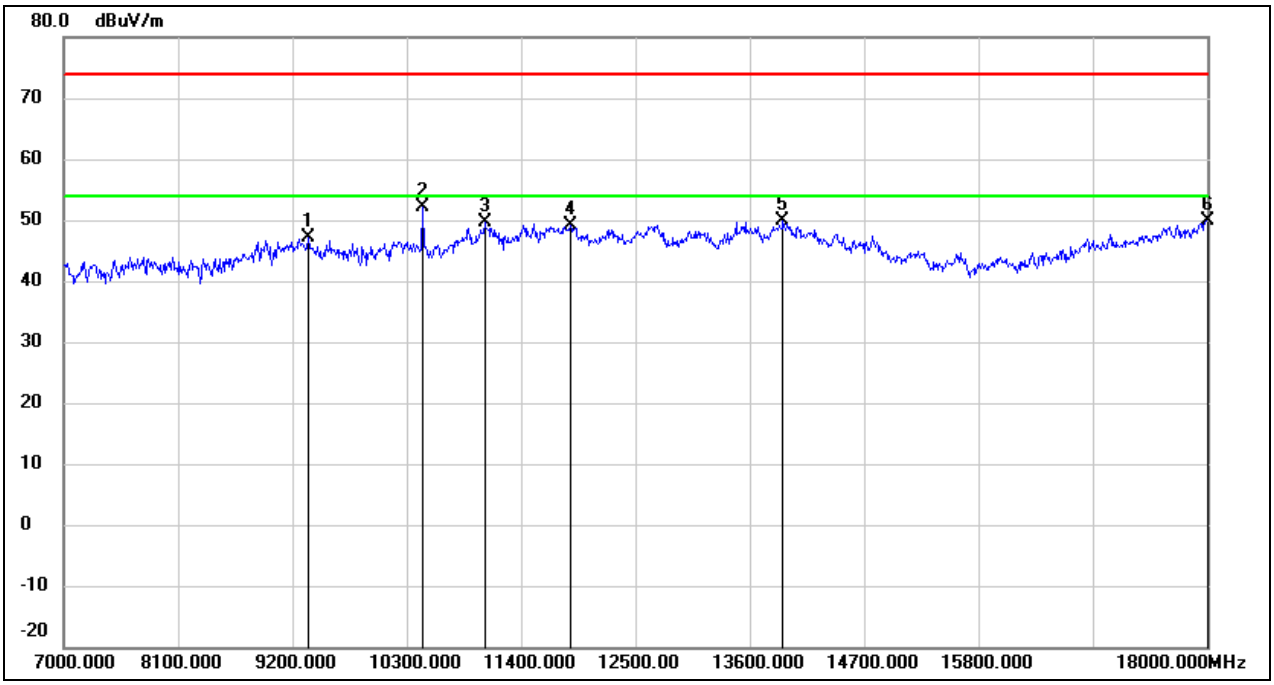
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8958.000	36.97	10.05	47.02	74.00	-26.98	peak
2	10377.000	39.05	12.56	51.61	74.00	-22.39	peak
3	11554.000	32.23	16.87	49.10	74.00	-24.90	peak
4	13534.000	29.56	20.73	50.29	74.00	-23.71	peak
5	13919.000	28.91	21.68	50.59	74.00	-23.41	peak
6	17934.000	24.52	25.67	50.19	74.00	-23.81	peak

Test Mode:	802.11ax HE40	Channel:	5230
Polarity:	Horizontal	Test Voltage:	DC 12 V



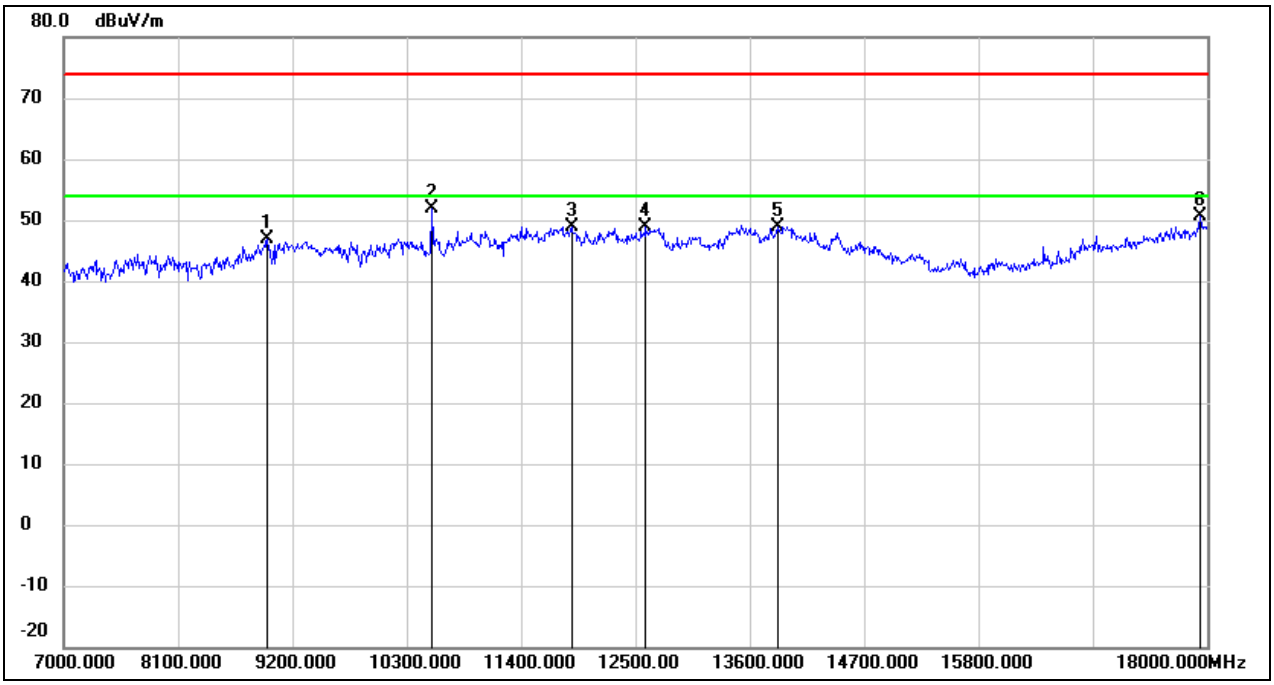
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9145.000	36.52	10.43	46.95	74.00	-27.05	peak
2	10454.000	39.43	12.73	52.16	74.00	-21.84	peak
3	11807.000	33.26	17.34	50.60	74.00	-23.40	peak
4	12665.000	32.38	18.04	50.42	74.00	-23.58	peak
5	13919.000	29.07	21.68	50.75	74.00	-23.25	peak
6	17956.000	24.54	25.82	50.36	74.00	-23.64	peak

Test Mode:	802.11ax HE40	Channel:	5230
Polarity:	Vertical	Test Voltage:	DC 12 V



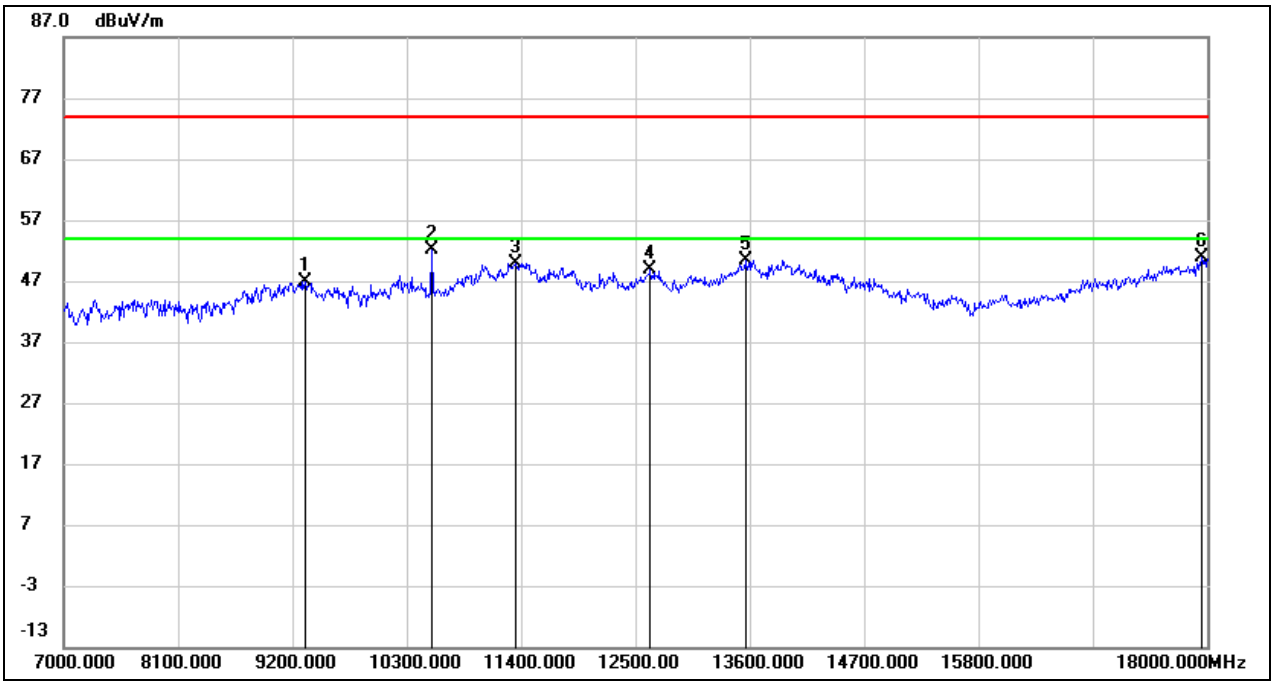
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9354.000	36.50	10.56	47.06	74.00	-26.94	peak
2	10454.000	39.32	12.73	52.05	74.00	-21.95	peak
3	11048.000	34.62	14.91	49.53	74.00	-24.47	peak
4	11873.000	31.71	17.46	49.17	74.00	-24.83	peak
5	13919.000	28.12	21.68	49.80	74.00	-24.20	peak
6	18000.000	23.81	26.12	49.93	74.00	-24.07	peak

Test Mode:	802.11ax HE40	Channel:	5270
Polarity:	Horizontal	Test Voltage:	DC 12 V



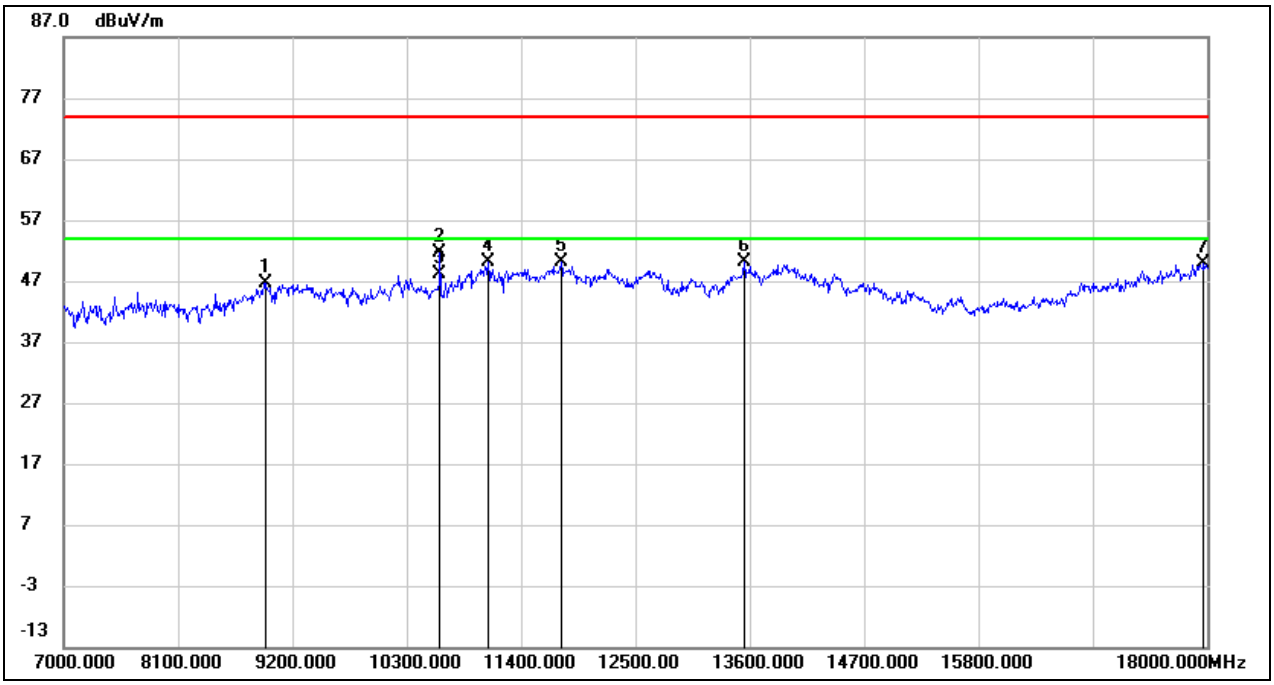
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8958.000	36.87	10.05	46.92	74.00	-27.08	peak
2	10542.000	39.01	12.98	51.99	74.00	-22.01	peak
3	11884.000	31.38	17.48	48.86	74.00	-25.14	peak
4	12599.000	31.02	17.95	48.97	74.00	-25.03	peak
5	13864.000	27.36	21.53	48.89	74.00	-25.11	peak
6	17934.000	24.90	25.67	50.57	74.00	-23.43	peak

Test Mode:	802.11ax HE40	Channel:	5270
Polarity:	Vertical	Test Voltage:	DC 12 V



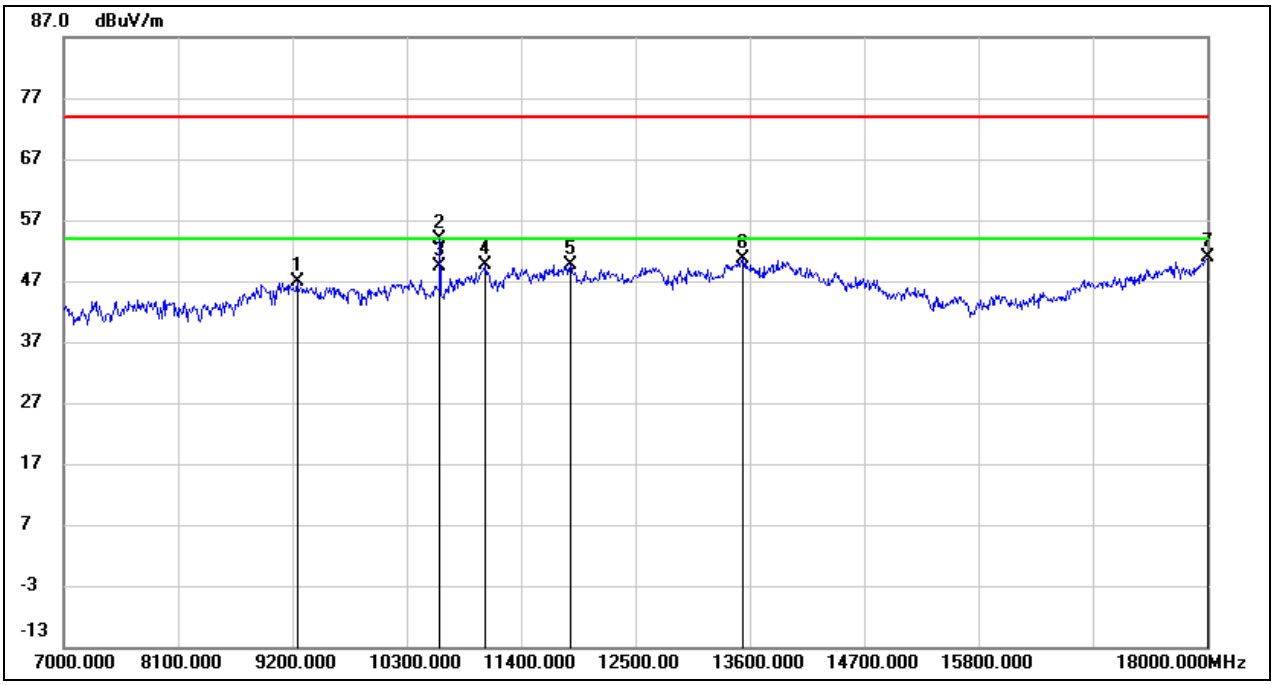
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9321.000	36.41	10.53	46.94	74.00	-27.06	peak
2	10542.000	39.11	12.98	52.09	74.00	-21.91	peak
3	11345.000	33.85	16.14	49.99	74.00	-24.01	peak
4	12643.000	30.87	18.01	48.88	74.00	-25.12	peak
5	13556.000	29.71	20.78	50.49	74.00	-23.51	peak
6	17945.000	25.23	25.75	50.98	74.00	-23.02	peak

Test Mode:	802.11ax HE40	Channel:	5310
Polarity:	Horizontal	Test Voltage:	DC 12 V



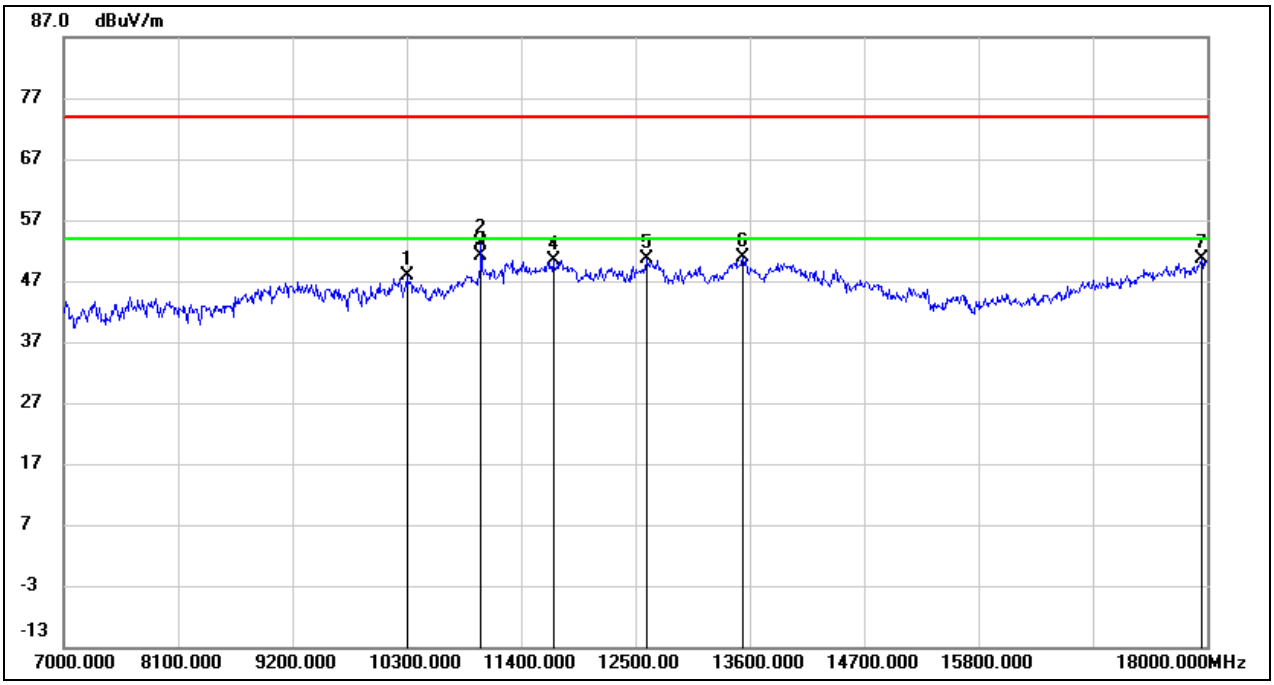
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8947.000	36.63	9.98	46.61	74.00	-27.39	peak
2	10619.000	38.33	13.28	51.61	74.00	-22.39	peak
3	10619.000	34.82	13.28	48.10	54.00	-5.90	AVG
4	11081.000	35.13	15.05	50.18	74.00	-23.82	peak
5	11785.000	32.76	17.30	50.06	74.00	-23.94	peak
6	13545.000	29.45	20.74	50.19	74.00	-23.81	peak
7	17967.000	24.06	25.89	49.95	74.00	-24.05	peak

Test Mode:	802.11ax HE40	Channel:	5310
Polarity:	Vertical	Test Voltage:	DC 12 V



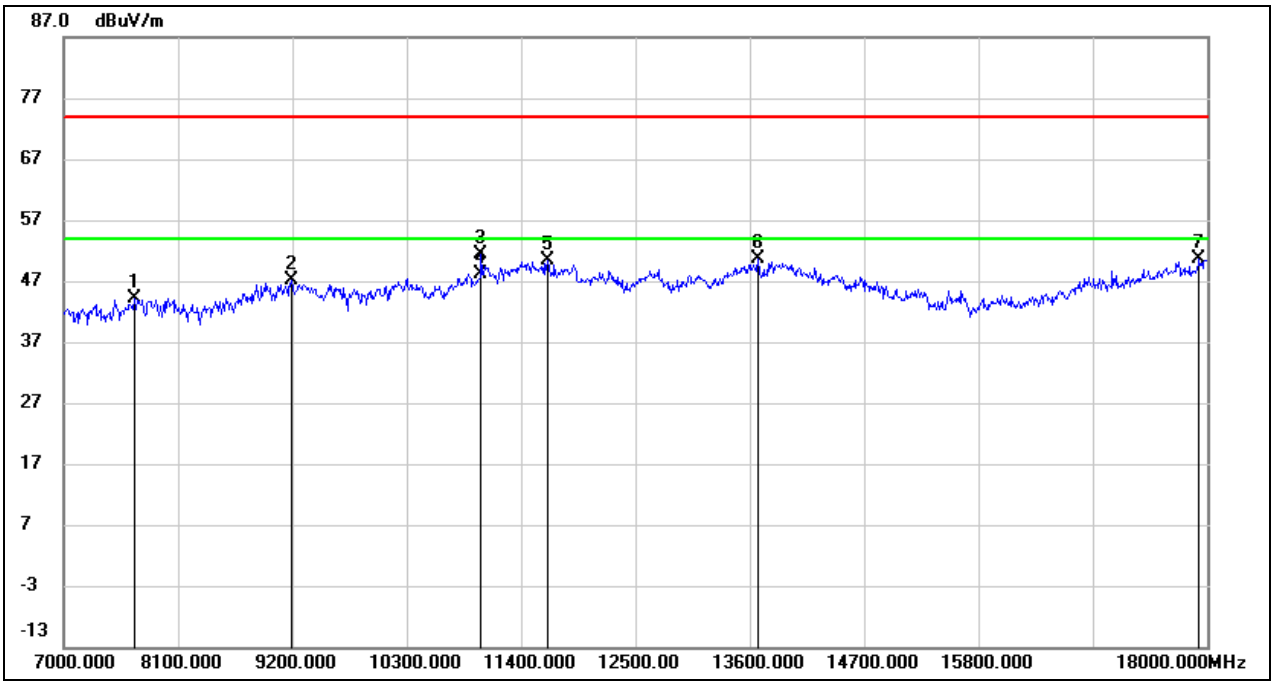
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9244.000	36.38	10.49	46.87	74.00	-27.13	peak
2	10619.000	40.49	13.28	53.77	74.00	-20.23	peak
3	10619.000	36.22	13.28	49.50	54.00	-4.50	AVG
4	11059.000	34.55	14.96	49.51	74.00	-24.49	peak
5	11873.000	32.25	17.46	49.71	74.00	-24.29	peak
6	13534.000	29.97	20.73	50.70	74.00	-23.30	peak
7	18000.000	24.69	26.12	50.81	74.00	-23.19	peak

Test Mode:	802.11ax HE40	Channel:	5510
Polarity:	Horizontal	Test Voltage:	DC 12 V



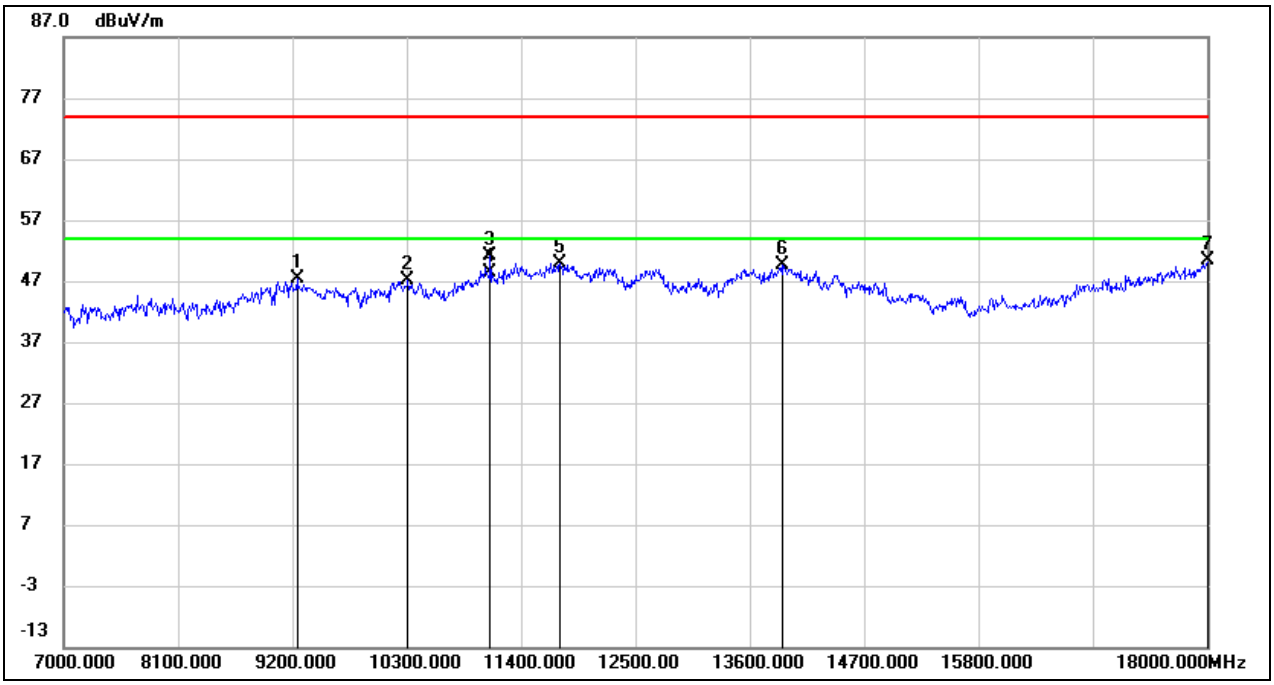
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10300.000	35.54	12.40	47.94	74.00	-26.06	peak
2	11015.000	38.43	14.79	53.22	74.00	-20.78	peak
3	11015.000	36.31	14.79	51.10	54.00	-2.90	AVG
4	11708.000	33.12	17.16	50.28	74.00	-23.72	peak
5	12610.000	32.56	17.97	50.53	74.00	-23.47	peak
6	13534.000	30.21	20.73	50.94	74.00	-23.06	peak
7	17945.000	24.77	25.75	50.52	74.00	-23.48	peak

Test Mode:	802.11ax HE40	Channel:	5510
Polarity:	Vertical	Test Voltage:	DC 12 V



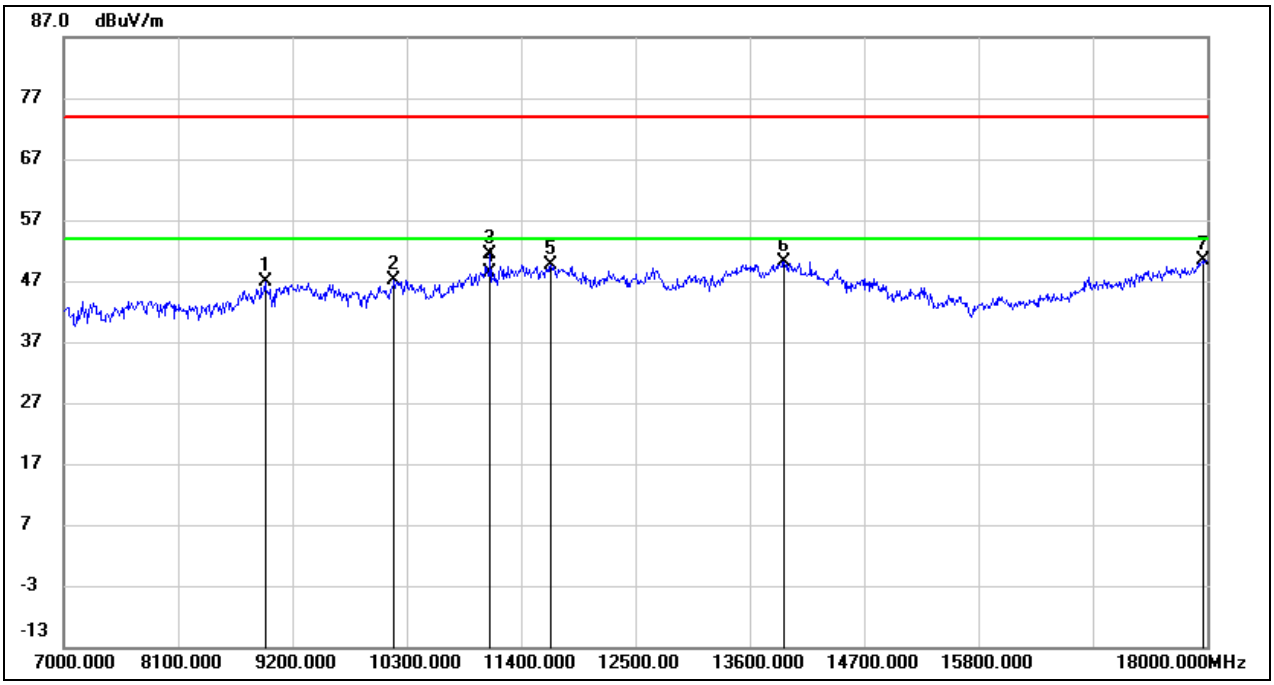
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7682.000	37.51	6.71	44.22	74.00	-29.78	peak
2	9189.000	36.57	10.46	47.03	74.00	-26.97	peak
3	11015.000	36.63	14.79	51.42	74.00	-22.58	peak
4	11015.000	33.31	14.79	48.10	54.00	-5.90	AVG
5	11653.000	33.30	17.05	50.35	74.00	-23.65	peak
6	13677.000	29.45	21.08	50.53	74.00	-23.47	peak
7	17923.000	24.91	25.60	50.51	74.00	-23.49	peak

Test Mode:	802.11ax HE40	Channel:	5550
Polarity:	Horizontal	Test Voltage:	DC 12 V



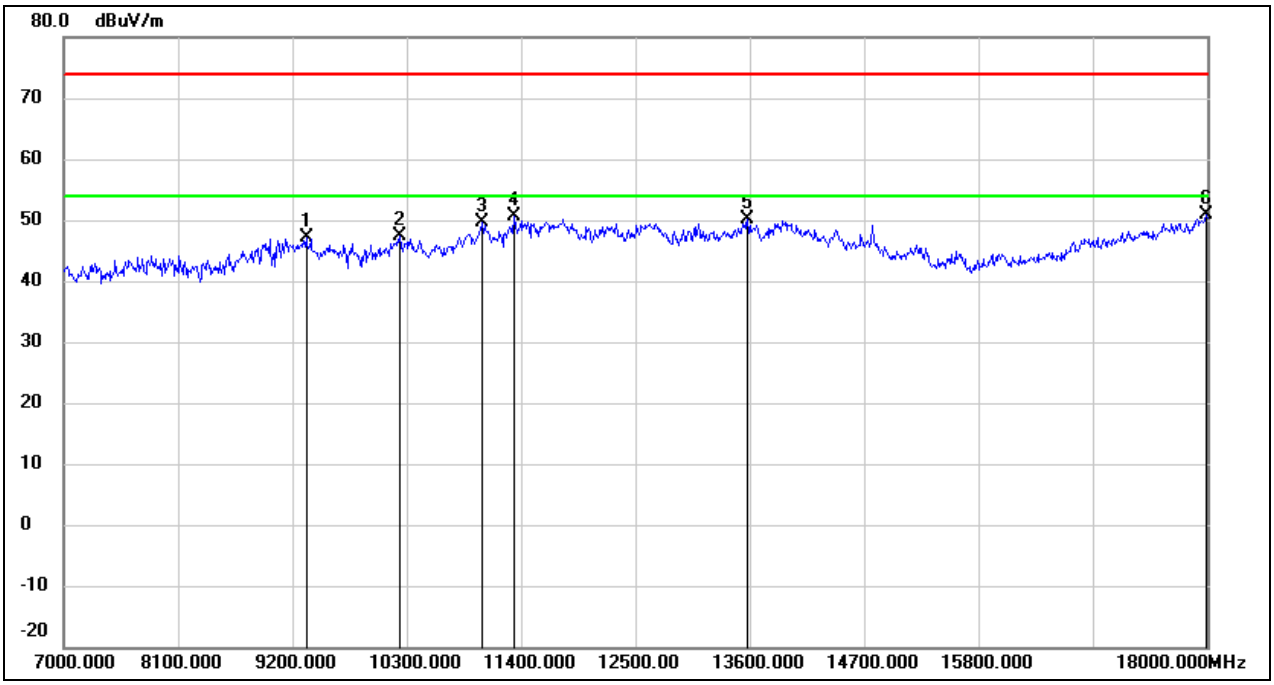
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9244.000	36.85	10.49	47.34	74.00	-26.66	peak
2	10311.000	34.61	12.42	47.03	74.00	-26.97	peak
3	11103.000	35.94	15.15	51.09	74.00	-22.91	peak
4	11103.000	33.15	15.15	48.30	54.00	-5.70	AVG
5	11774.000	32.71	17.28	49.99	74.00	-24.01	peak
6	13919.000	28.07	21.68	49.75	74.00	-24.25	peak
7	18000.000	24.25	26.12	50.37	74.00	-23.63	peak

Test Mode:	802.11ax HE40	Channel:	5550
Polarity:	Vertical	Test Voltage:	DC 12 V



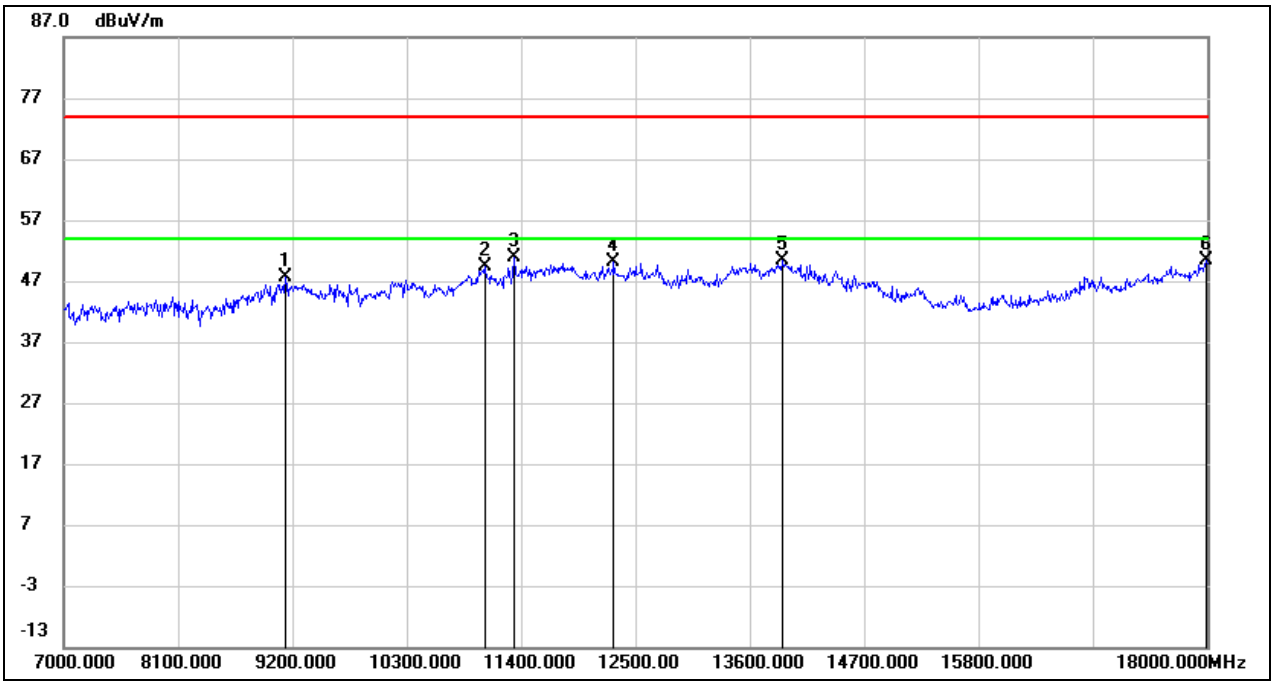
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8936.000	36.93	9.90	46.83	74.00	-27.17	peak
2	10179.000	34.96	12.14	47.10	74.00	-26.90	peak
3	11103.000	36.21	15.15	51.36	74.00	-22.64	peak
4	11103.000	33.35	15.15	48.50	54.00	-5.50	AVG
5	11686.000	32.42	17.12	49.54	74.00	-24.46	peak
6	13930.000	28.53	21.71	50.24	74.00	-23.76	peak
7	17956.000	24.64	25.82	50.46	74.00	-23.54	peak

Test Mode:	802.11ax HE40	Channel:	5670
Polarity:	Horizontal	Test Voltage:	DC 12 V



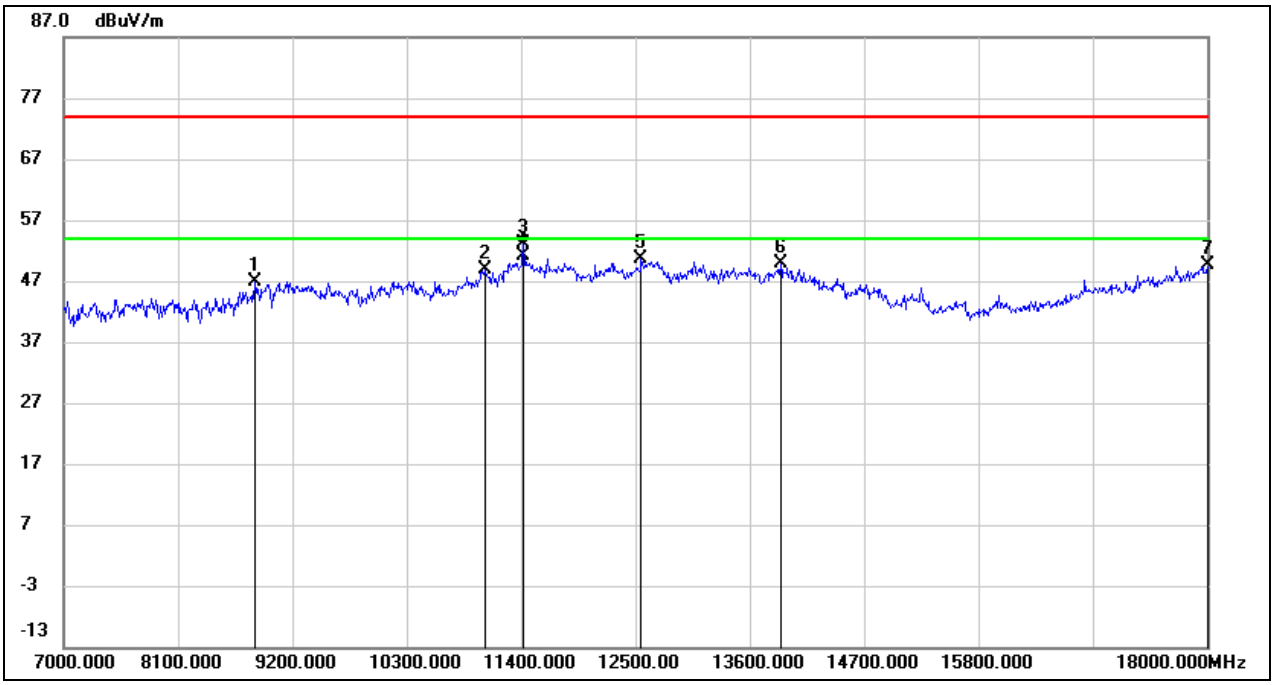
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9332.000	36.52	10.54	47.06	74.00	-26.94	peak
2	10234.000	35.13	12.26	47.39	74.00	-26.61	peak
3	11026.000	34.69	14.82	49.51	74.00	-24.49	peak
4	11334.000	34.47	16.09	50.56	74.00	-23.44	peak
5	13578.000	29.36	20.83	50.19	74.00	-23.81	peak
6	17989.000	24.91	26.04	50.95	74.00	-23.05	peak

Test Mode:	802.11ax HE40	Channel:	5670
Polarity:	Vertical	Test Voltage:	DC 12 V



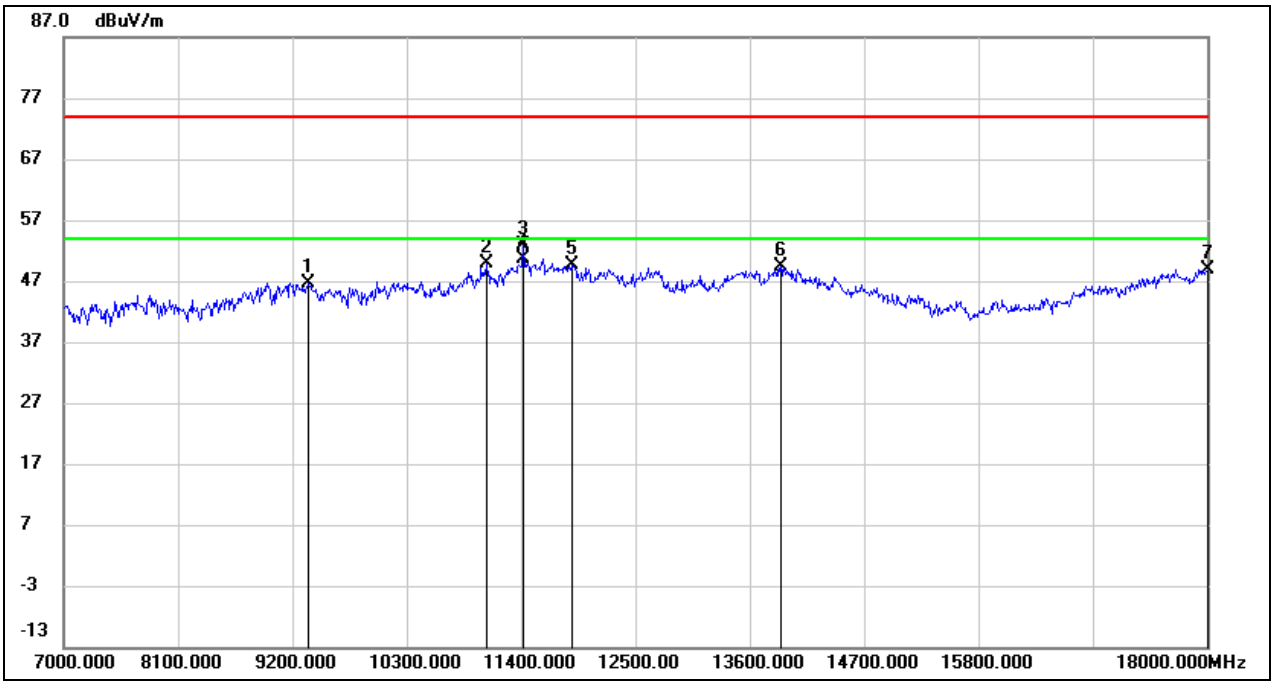
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9134.000	37.25	10.41	47.66	74.00	-26.34	peak
2	11048.000	34.54	14.91	49.45	74.00	-24.55	peak
3	11334.000	34.70	16.09	50.79	74.00	-23.21	peak
4	12291.000	32.31	17.78	50.09	74.00	-23.91	peak
5	13919.000	28.66	21.68	50.34	74.00	-23.66	peak
6	17989.000	24.23	26.04	50.27	74.00	-23.73	peak

Test Mode:	802.11ax HE40	Channel:	5710
Polarity:	Horizontal	Test Voltage:	DC 12 V



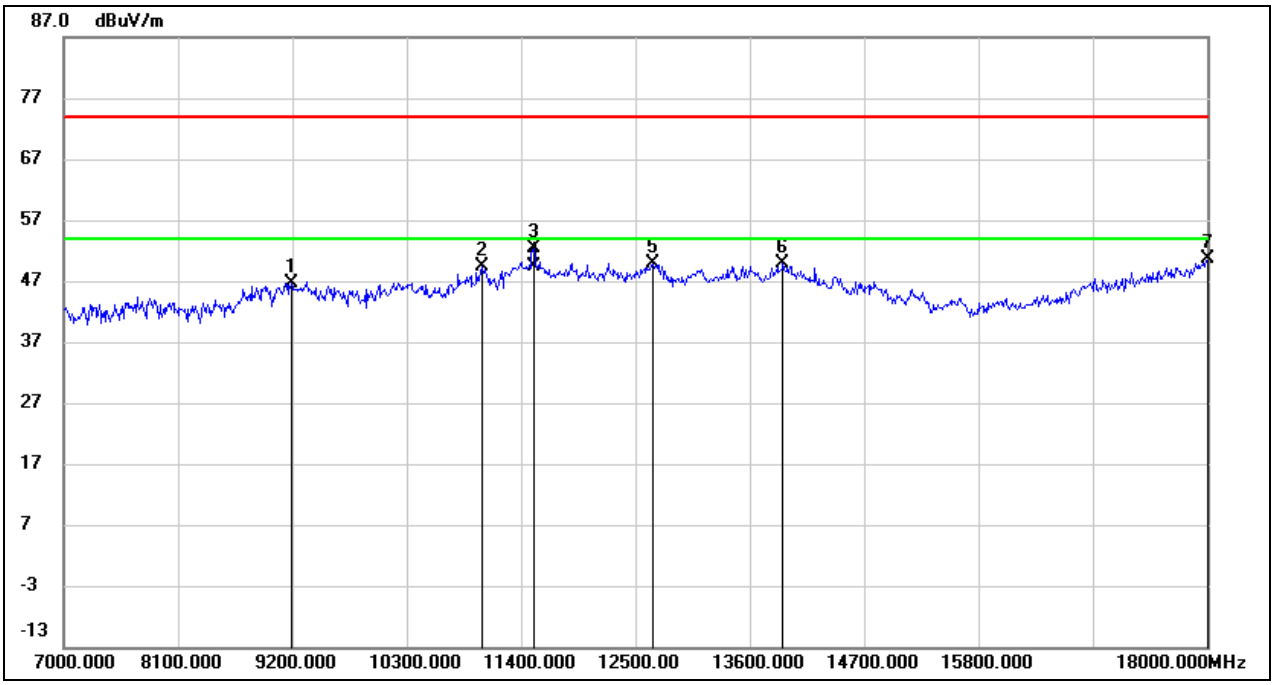
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8837.000	37.79	9.21	47.00	74.00	-27.00	peak
2	11048.000	33.87	14.91	48.78	74.00	-25.22	peak
3	11422.000	36.59	16.46	53.05	74.00	-20.95	peak
4	11422.000	34.74	16.46	51.20	54.00	-2.80	AVG
5	12555.000	32.66	17.90	50.56	74.00	-23.44	peak
6	13897.000	28.37	21.62	49.99	74.00	-24.01	peak
7	18000.000	23.59	26.12	49.71	74.00	-24.29	peak

Test Mode:	802.11ax HE40	Channel:	5710
Polarity:	Vertical	Test Voltage:	DC 12 V



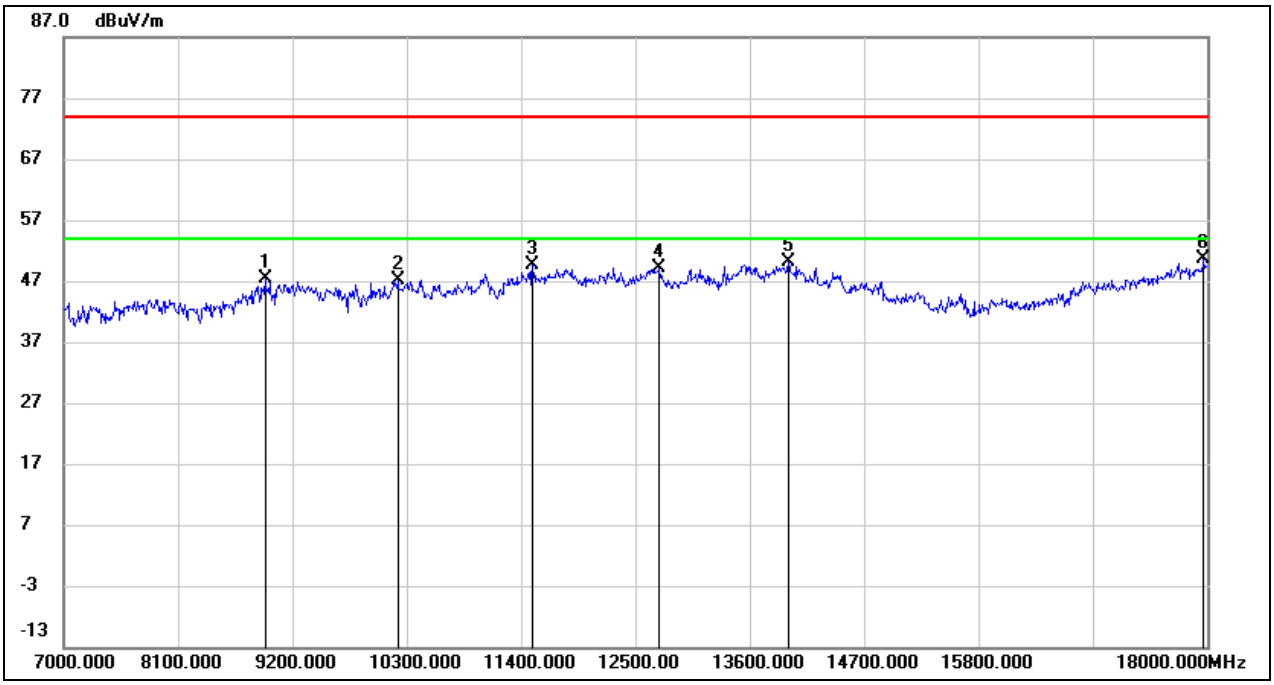
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9354.000	36.00	10.56	46.56	74.00	-27.44	peak
2	11070.000	34.94	15.01	49.95	74.00	-24.05	peak
3	11422.000	36.44	16.46	52.90	74.00	-21.10	peak
4	11422.000	34.14	16.46	50.60	54.00	-3.40	AVG
5	11884.000	32.11	17.48	49.59	74.00	-24.41	peak
6	13897.000	27.66	21.62	49.28	74.00	-24.72	peak
7	18000.000	22.84	26.12	48.96	74.00	-25.04	peak

Test Mode:	802.11ax HE40	Channel:	5755
Polarity:	Horizontal	Test Voltage:	DC 12 V



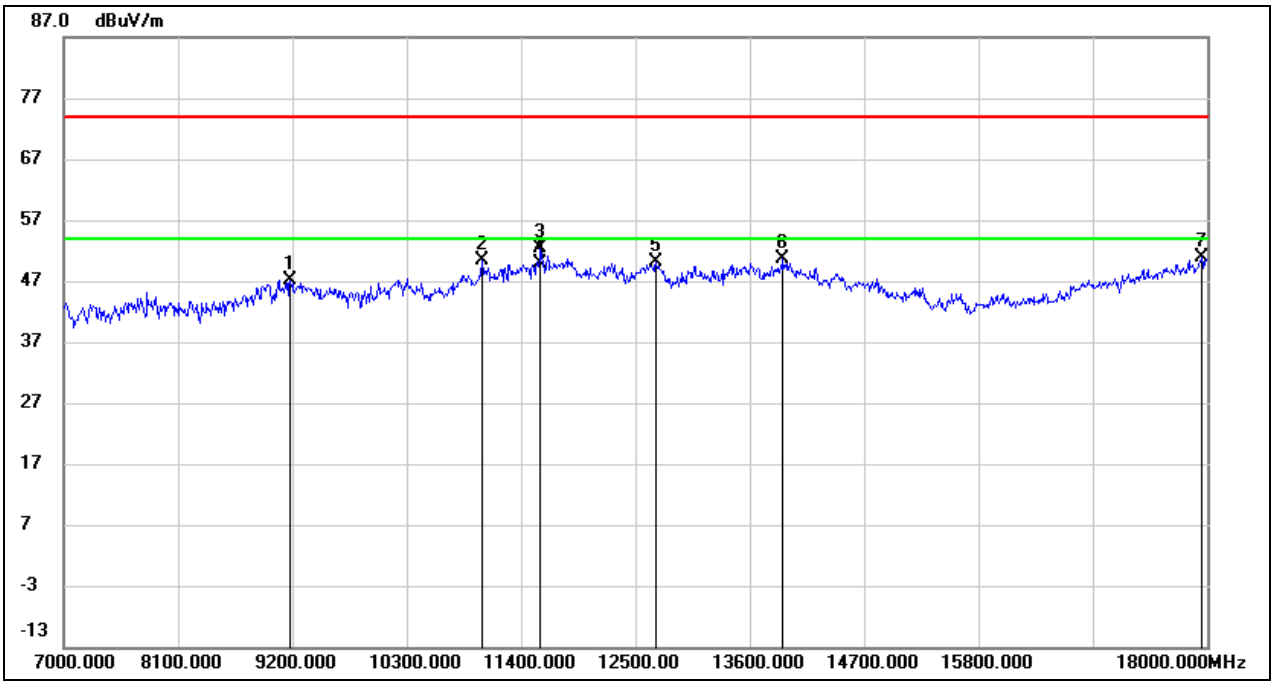
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9189.000	36.11	10.46	46.57	74.00	-27.43	peak
2	11026.000	34.48	14.82	49.30	74.00	-24.70	peak
3	11521.000	35.57	16.82	52.39	74.00	-21.61	peak
4	11521.000	32.48	16.82	49.30	54.00	-4.70	AVG
5	12665.000	31.76	18.04	49.80	74.00	-24.20	peak
6	13919.000	28.13	21.68	49.81	74.00	-24.19	peak
7	18000.000	24.60	26.12	50.72	74.00	-23.28	peak

Test Mode:	802.11ax HE40	Channel:	5755
Polarity:	Vertical	Test Voltage:	DC 12 V



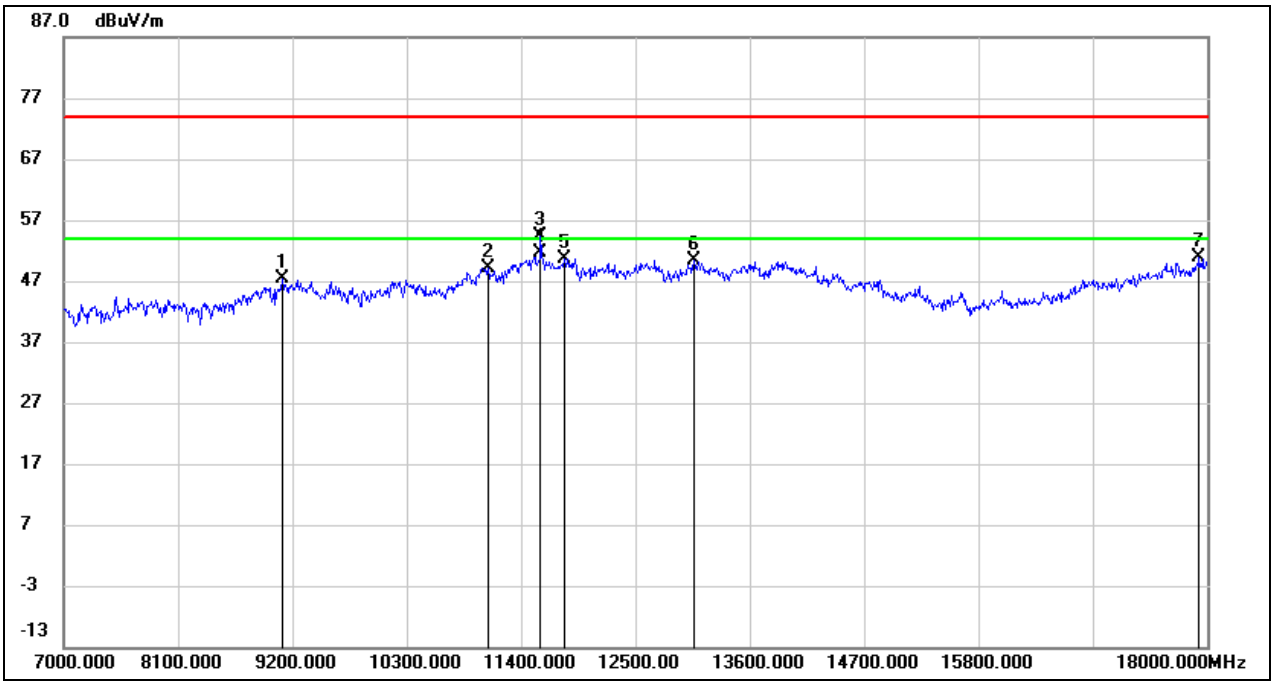
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8936.000	37.39	9.90	47.29	74.00	-26.71	peak
2	10212.000	34.83	12.21	47.04	74.00	-26.96	peak
3	11510.000	32.81	16.79	49.60	74.00	-24.40	peak
4	12731.000	31.11	18.12	49.23	74.00	-24.77	peak
5	13974.000	28.23	21.82	50.05	74.00	-23.95	peak
6	17967.000	24.73	25.89	50.62	74.00	-23.38	peak

Test Mode:	802.11ax HE40	Channel:	5795
Polarity:	Horizontal	Test Voltage:	DC 12 V



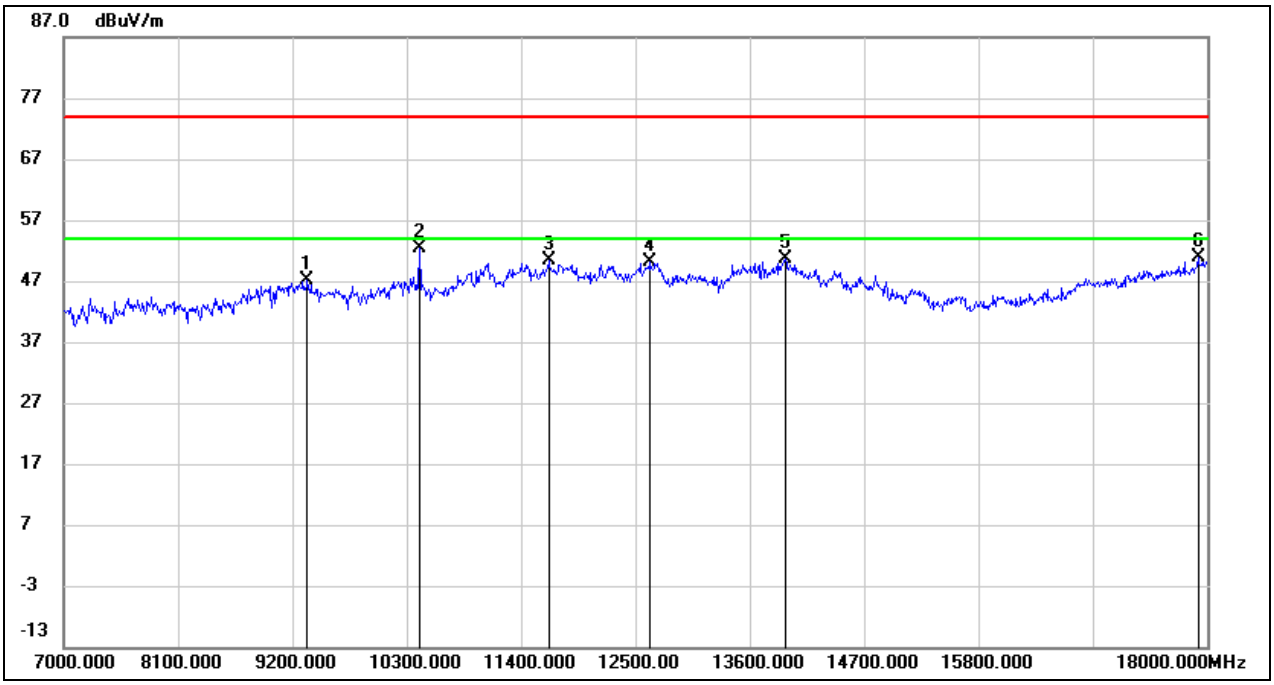
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9178.000	36.75	10.45	47.20	74.00	-26.80	peak
2	11026.000	35.63	14.82	50.45	74.00	-23.55	peak
3	11587.000	35.40	16.93	52.33	74.00	-21.67	peak
4	11587.000	32.87	16.93	49.80	54.00	-4.20	AVG
5	12698.000	32.00	18.08	50.08	74.00	-23.92	peak
6	13919.000	28.92	21.68	50.60	74.00	-23.40	peak
7	17945.000	25.08	25.75	50.83	74.00	-23.17	peak

Test Mode:	802.11ax HE40	Channel:	5795
Polarity:	Vertical	Test Voltage:	DC 12 V



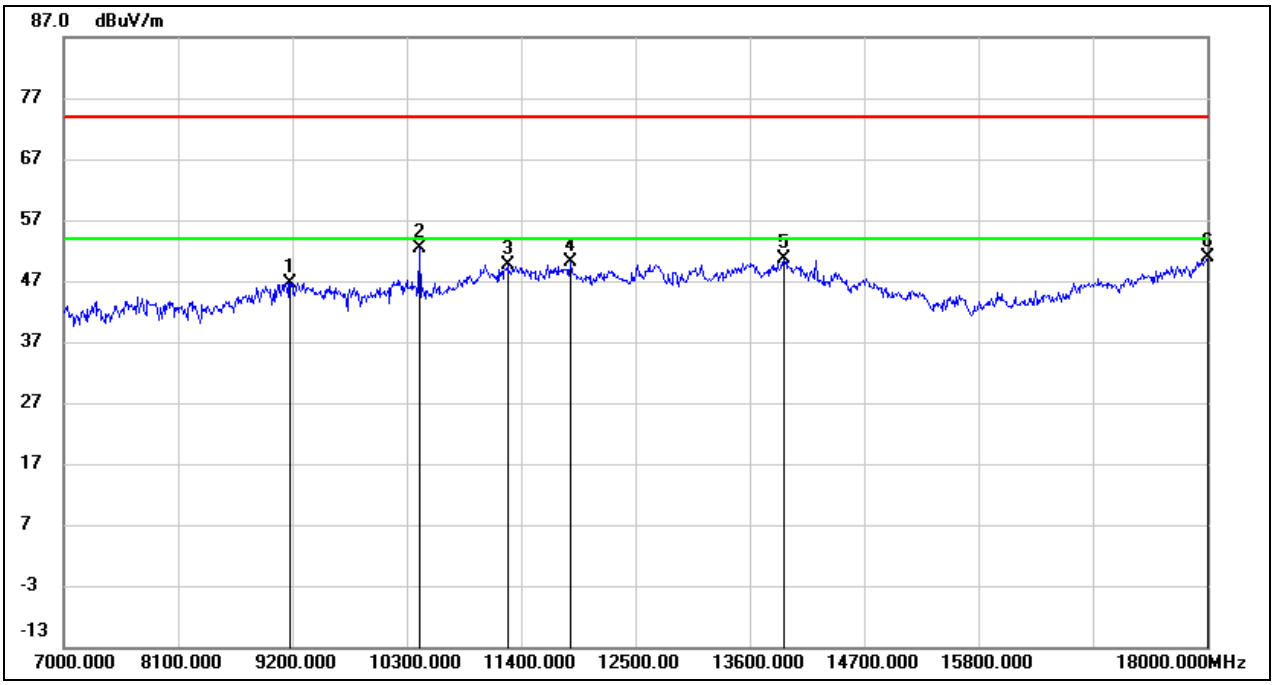
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9101.000	36.91	10.40	47.31	74.00	-26.69	peak
2	11081.000	34.10	15.05	49.15	74.00	-24.85	peak
3	11587.000	37.34	16.93	54.27	74.00	-19.73	peak
4	11587.000	34.77	16.93	51.70	54.00	-2.30	AVG
5	11818.000	33.25	17.36	50.61	74.00	-23.39	peak
6	13061.000	31.62	18.71	50.33	74.00	-23.67	peak
7	17923.000	25.18	25.60	50.78	74.00	-23.22	peak

Test Mode:	802.11ax HE80	Channel:	5210
Polarity:	Horizontal	Test Voltage:	DC 12 V



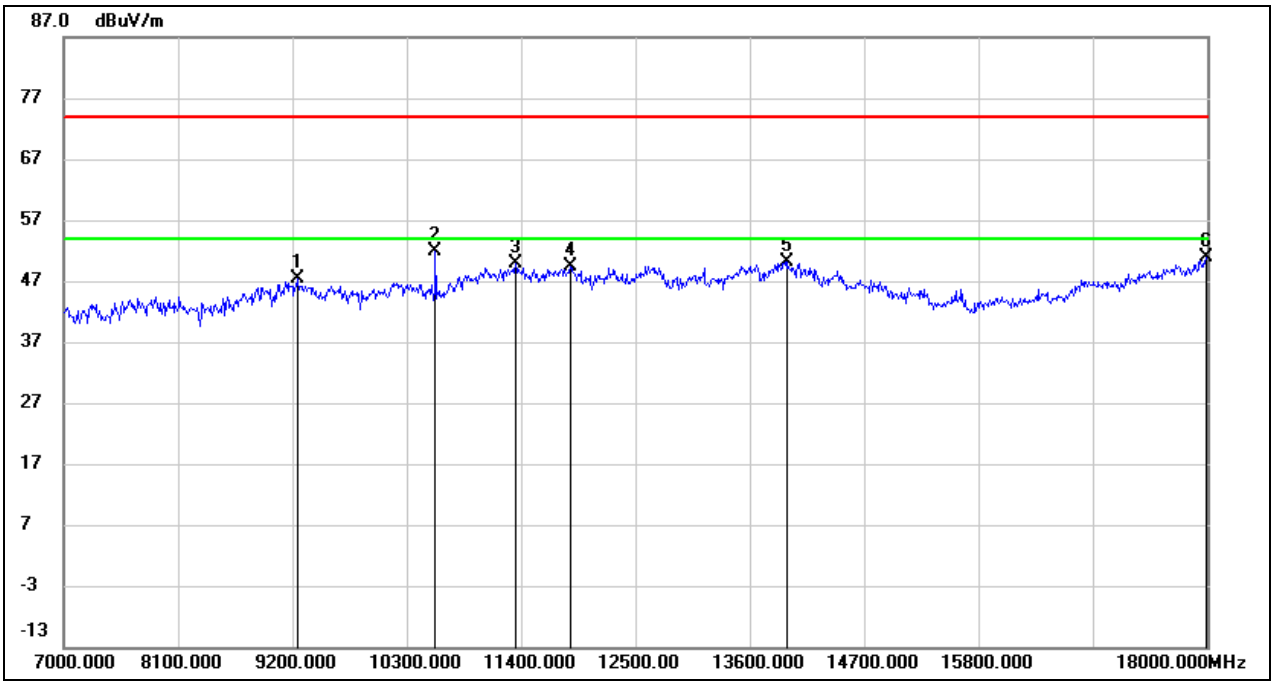
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9343.000	36.46	10.55	47.01	74.00	-26.99	peak
2	10421.000	39.78	12.66	52.44	74.00	-21.56	peak
3	11664.000	33.19	17.08	50.27	74.00	-23.73	peak
4	12643.000	32.17	18.01	50.18	74.00	-23.82	peak
5	13941.000	28.89	21.73	50.62	74.00	-23.38	peak
6	17912.000	25.45	25.52	50.97	74.00	-23.03	peak

Test Mode:	802.11ax HE80	Channel:	5210
Polarity:	Vertical	Test Voltage:	DC 12 V



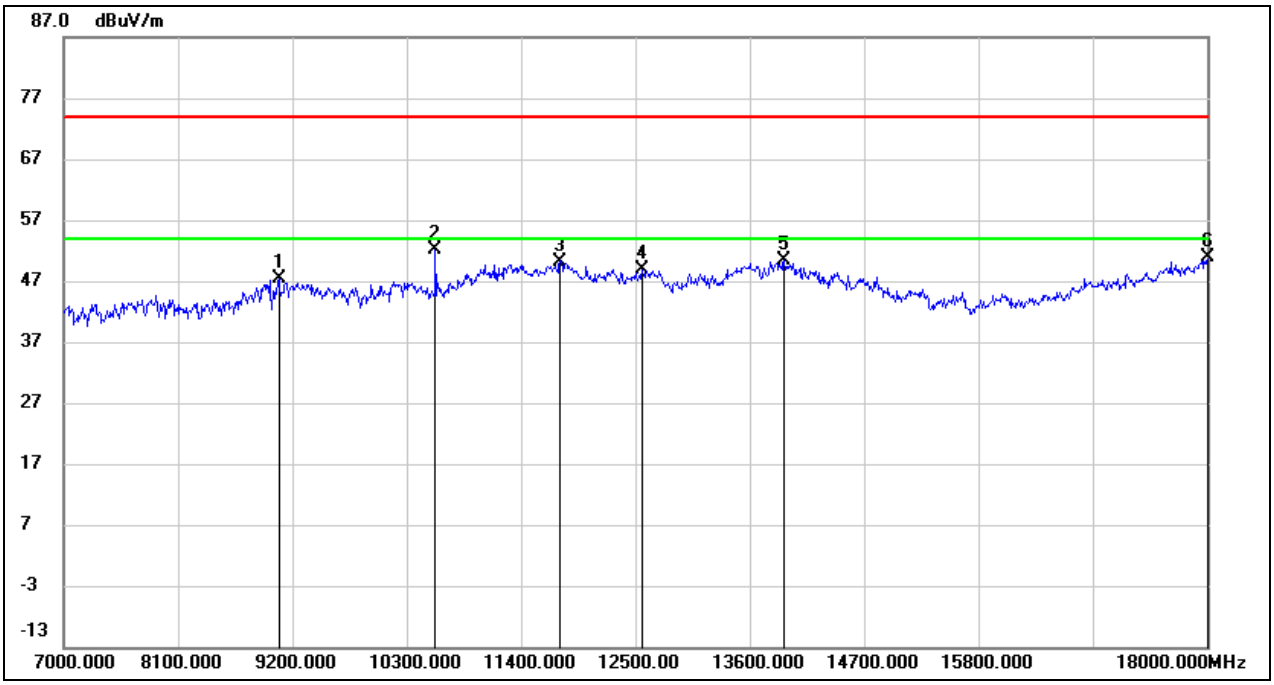
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9178.000	36.17	10.45	46.62	74.00	-27.38	peak
2	10421.000	39.66	12.66	52.32	74.00	-21.68	peak
3	11268.000	33.80	15.83	49.63	74.00	-24.37	peak
4	11873.000	32.59	17.46	50.05	74.00	-23.95	peak
5	13930.000	28.82	21.71	50.53	74.00	-23.47	peak
6	18000.000	24.83	26.12	50.95	74.00	-23.05	peak

Test Mode:	802.11ax HE80	Channel:	5290
Polarity:	Horizontal	Test Voltage:	DC 12 V



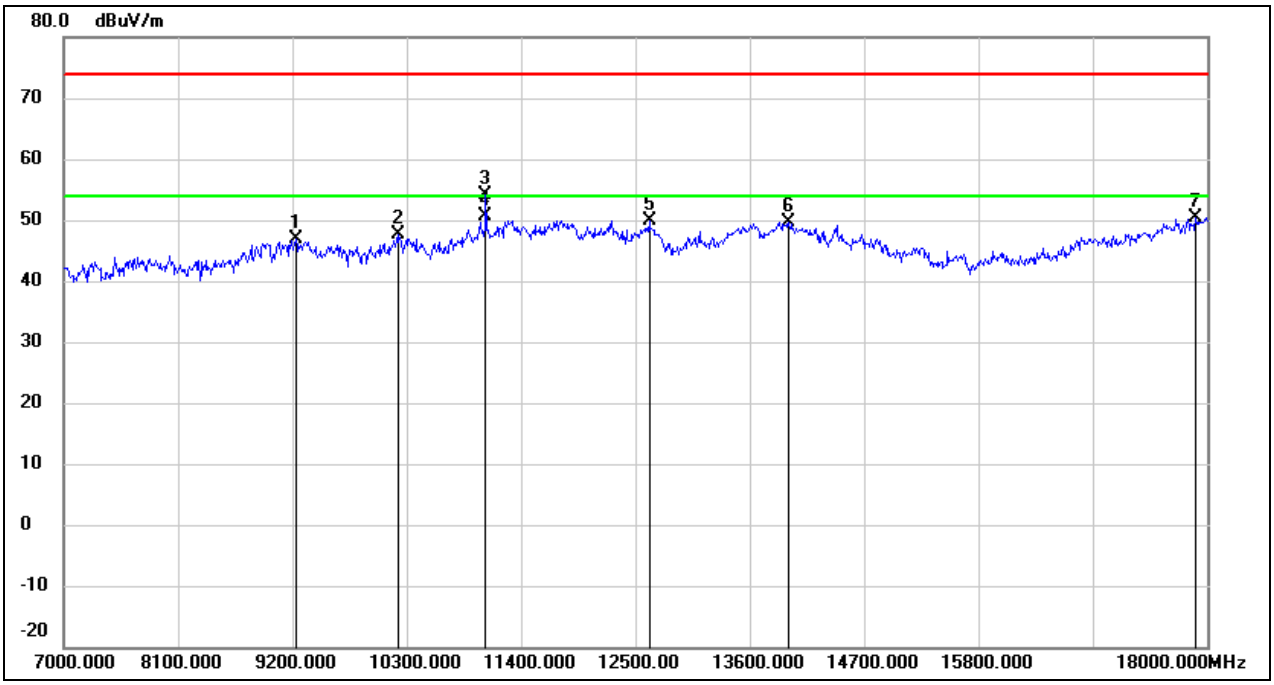
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9244.000	36.79	10.49	47.28	74.00	-26.72	peak
2	10575.000	38.88	13.10	51.98	74.00	-22.02	peak
3	11345.000	33.69	16.14	49.83	74.00	-24.17	peak
4	11873.000	31.95	17.46	49.41	74.00	-24.59	peak
5	13963.000	28.38	21.78	50.16	74.00	-23.84	peak
6	17989.000	24.79	26.04	50.83	74.00	-23.17	peak

Test Mode:	802.11ax HE80	Channel:	5290
Polarity:	Vertical	Test Voltage:	DC 12 V



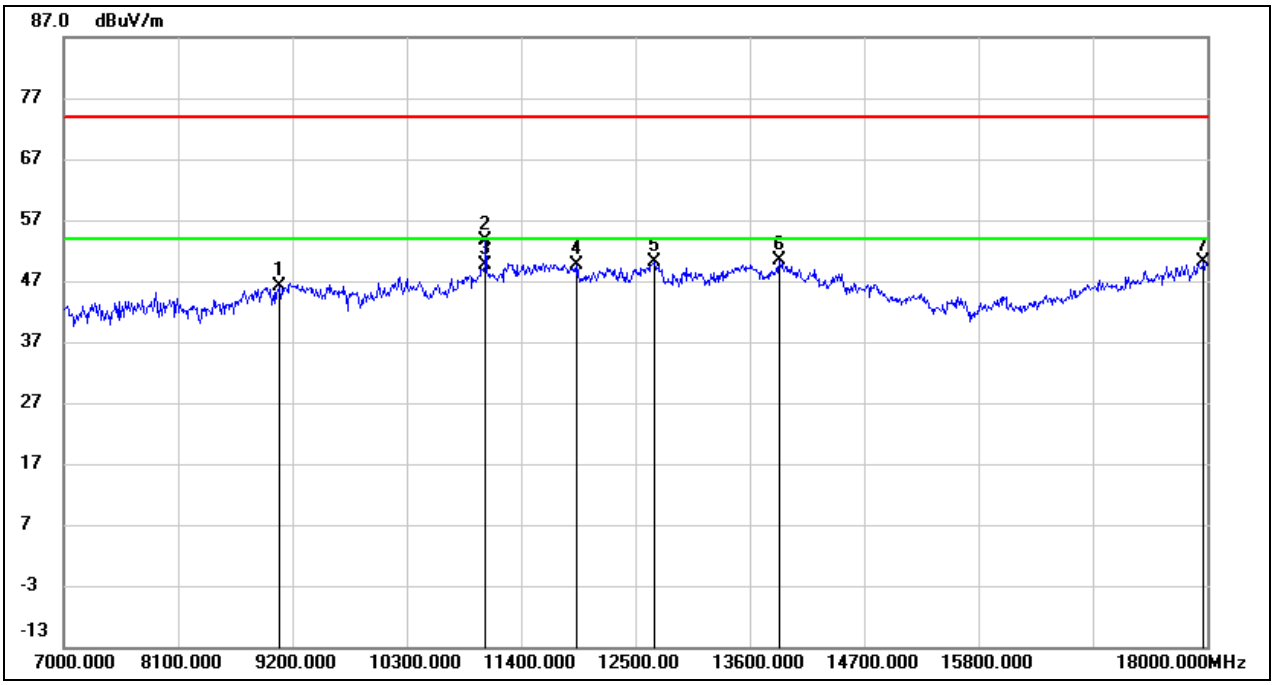
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9068.000	36.88	10.39	47.27	74.00	-26.73	peak
2	10575.000	38.94	13.10	52.04	74.00	-21.96	peak
3	11774.000	32.97	17.28	50.25	74.00	-23.75	peak
4	12566.000	30.96	17.91	48.87	74.00	-25.13	peak
5	13930.000	28.69	21.71	50.40	74.00	-23.60	peak
6	18000.000	24.65	26.12	50.77	74.00	-23.23	peak

Test Mode:	802.11ax HE80	Channel:	5530
Polarity:	Horizontal	Test Voltage:	DC 12 V



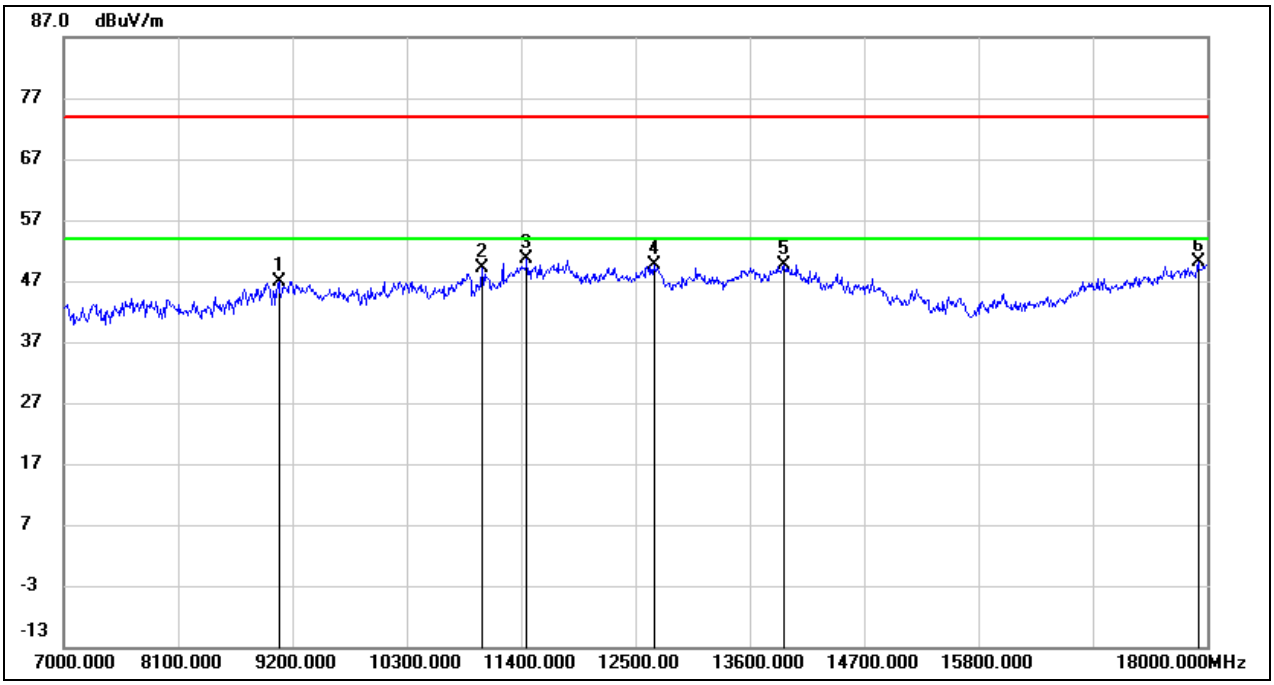
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9233.000	36.45	10.48	46.93	74.00	-27.07	peak
2	10212.000	35.40	12.21	47.61	74.00	-26.39	peak
3	11059.000	39.08	14.96	54.04	74.00	-19.96	peak
4	11059.000	35.74	14.96	50.70	54.00	-3.30	AVG
5	12632.000	31.86	17.99	49.85	74.00	-24.15	peak
6	13974.000	27.80	21.82	49.62	74.00	-24.38	peak
7	17890.000	25.03	25.37	50.40	74.00	-23.60	peak

Test Mode:	802.11ax HE80	Channel:	5530
Polarity:	Vertical	Test Voltage:	DC 12 V



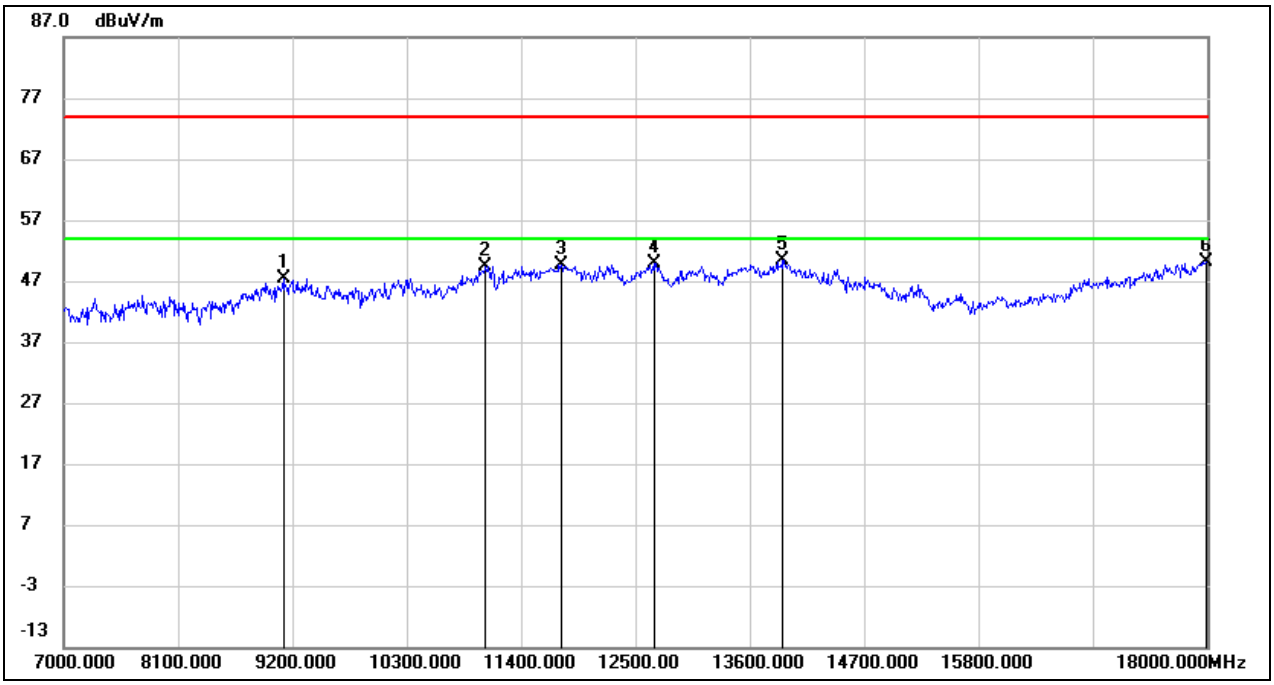
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9079.000	35.79	10.39	46.18	74.00	-27.82	peak
2	11059.000	38.64	14.96	53.60	74.00	-20.40	peak
3	11059.000	34.64	14.96	49.60	54.00	-4.40	AVG
4	11939.000	32.07	17.59	49.66	74.00	-24.34	peak
5	12676.000	32.09	18.05	50.14	74.00	-23.86	peak
6	13886.000	28.78	21.60	50.38	74.00	-23.62	peak
7	17967.000	24.20	25.89	50.09	74.00	-23.91	peak

Test Mode:	802.11ax HE80	Channel:	5610
Polarity:	Horizontal	Test Voltage:	DC 12 V



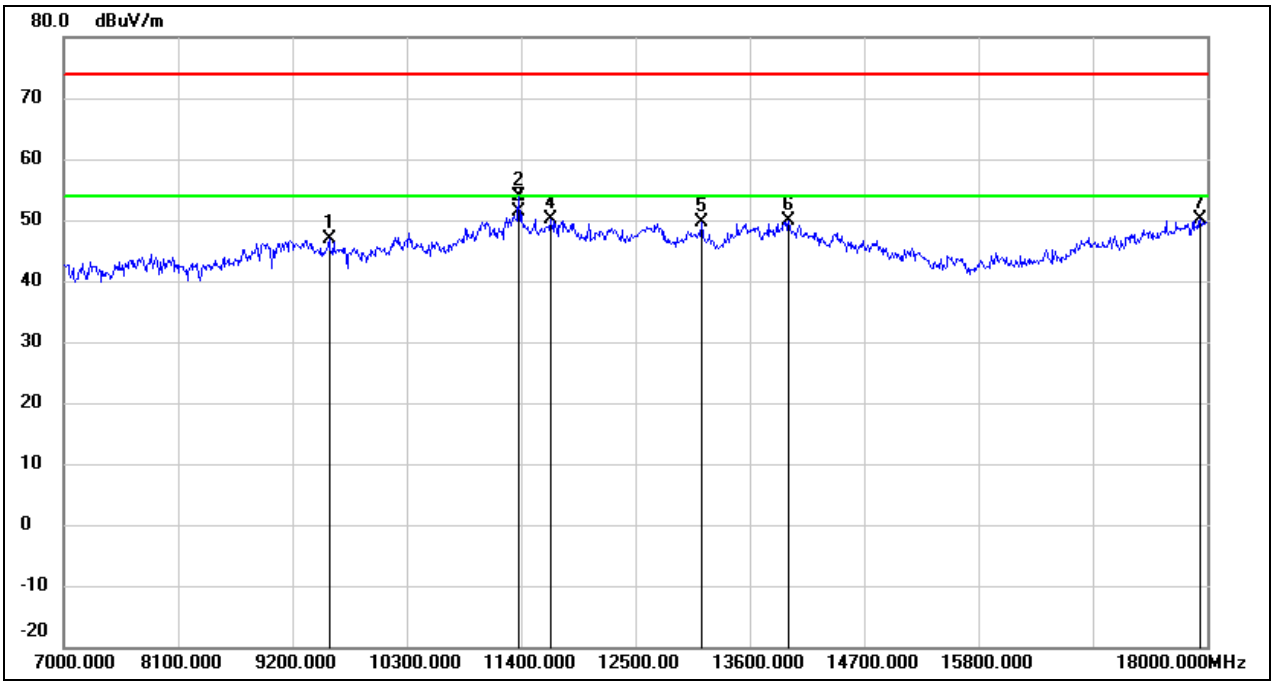
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9068.000	36.60	10.39	46.99	74.00	-27.01	peak
2	11026.000	34.33	14.82	49.15	74.00	-24.85	peak
3	11455.000	34.05	16.58	50.63	74.00	-23.37	peak
4	12676.000	31.68	18.05	49.73	74.00	-24.27	peak
5	13930.000	27.96	21.71	49.67	74.00	-24.33	peak
6	17912.000	24.61	25.52	50.13	74.00	-23.87	peak

Test Mode:	802.11ax HE80	Channel:	5610
Polarity:	Vertical	Test Voltage:	DC 12 V



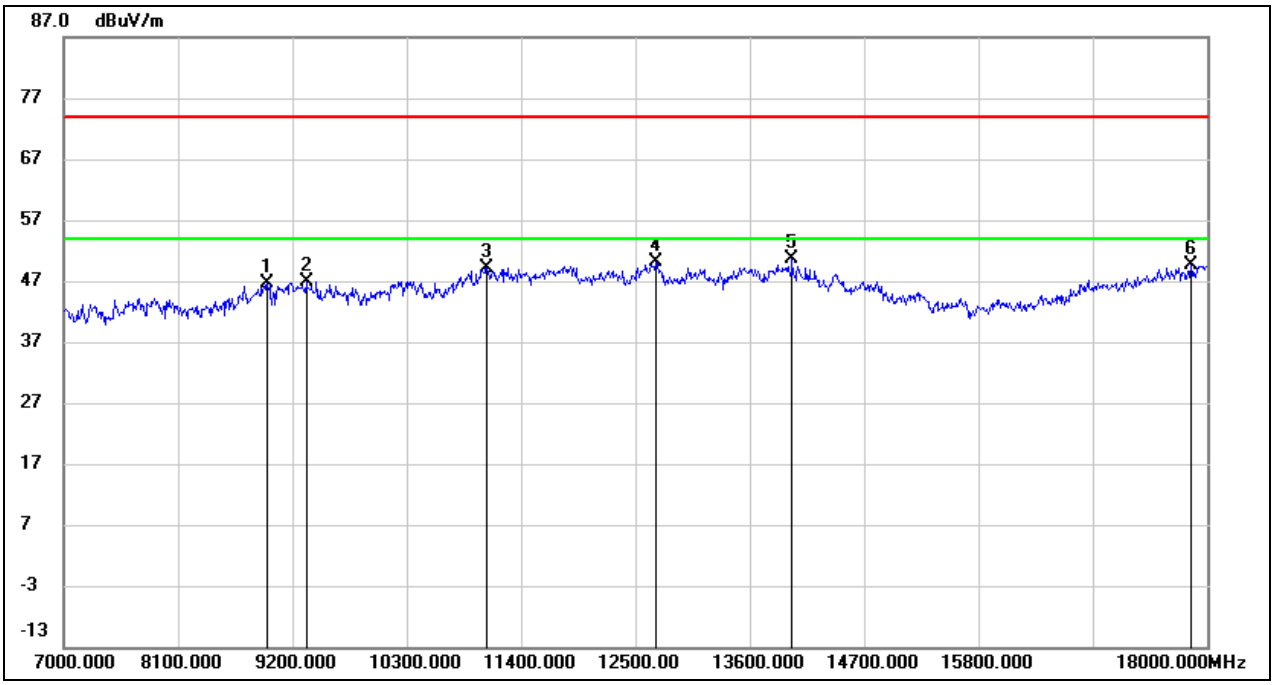
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9112.000	36.94	10.41	47.35	74.00	-26.65	peak
2	11059.000	34.41	14.96	49.37	74.00	-24.63	peak
3	11785.000	32.35	17.30	49.65	74.00	-24.35	peak
4	12676.000	31.73	18.05	49.78	74.00	-24.22	peak
5	13919.000	28.75	21.68	50.43	74.00	-23.57	peak
6	17989.000	24.16	26.04	50.20	74.00	-23.80	peak

Test Mode:	802.11ax HE80	Channel:	5690
Polarity:	Horizontal	Test Voltage:	DC 12 V



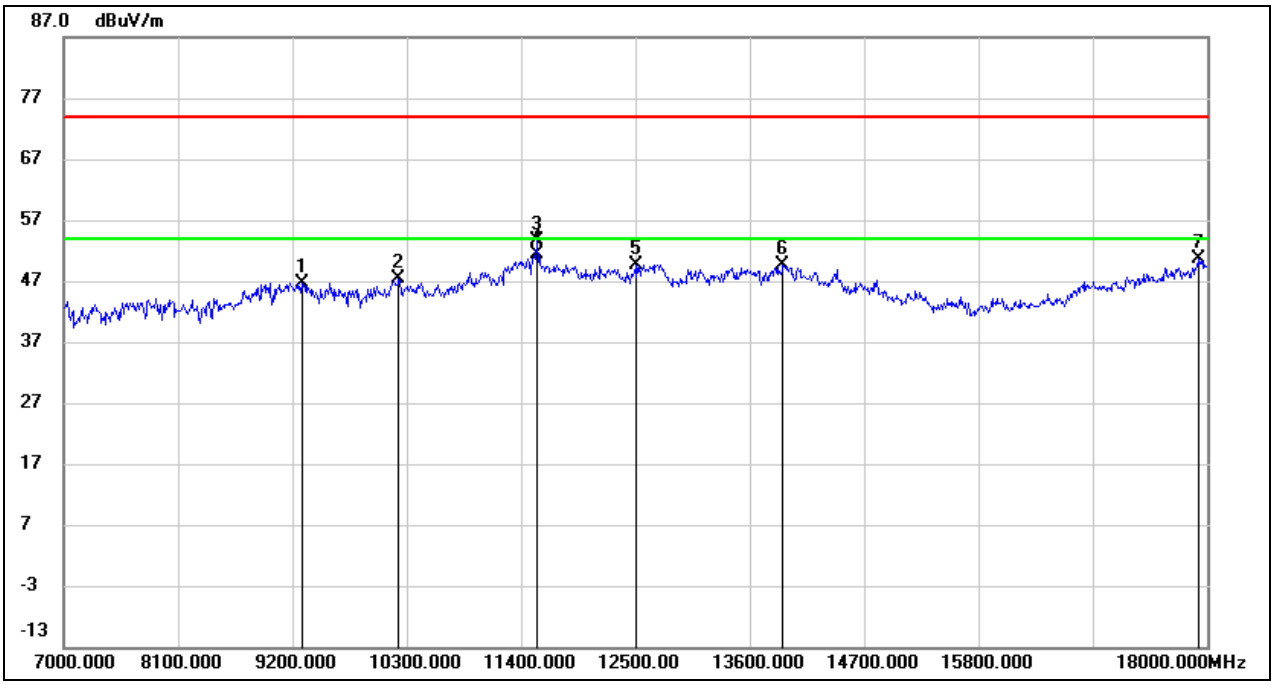
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9552.000	36.16	10.76	46.92	74.00	-27.08	peak
2	11378.000	37.54	16.26	53.80	74.00	-20.20	peak
3	11378.000	35.14	16.26	51.40	54.00	-2.60	AVG
4	11686.000	32.89	17.12	50.01	74.00	-23.99	peak
5	13138.000	30.48	19.05	49.53	74.00	-24.47	peak
6	13974.000	27.96	21.82	49.78	74.00	-24.22	peak
7	17934.000	24.47	25.67	50.14	74.00	-23.86	peak

Test Mode:	802.11ax HE80	Channel:	5690
Polarity:	Vertical	Test Voltage:	DC 12 V



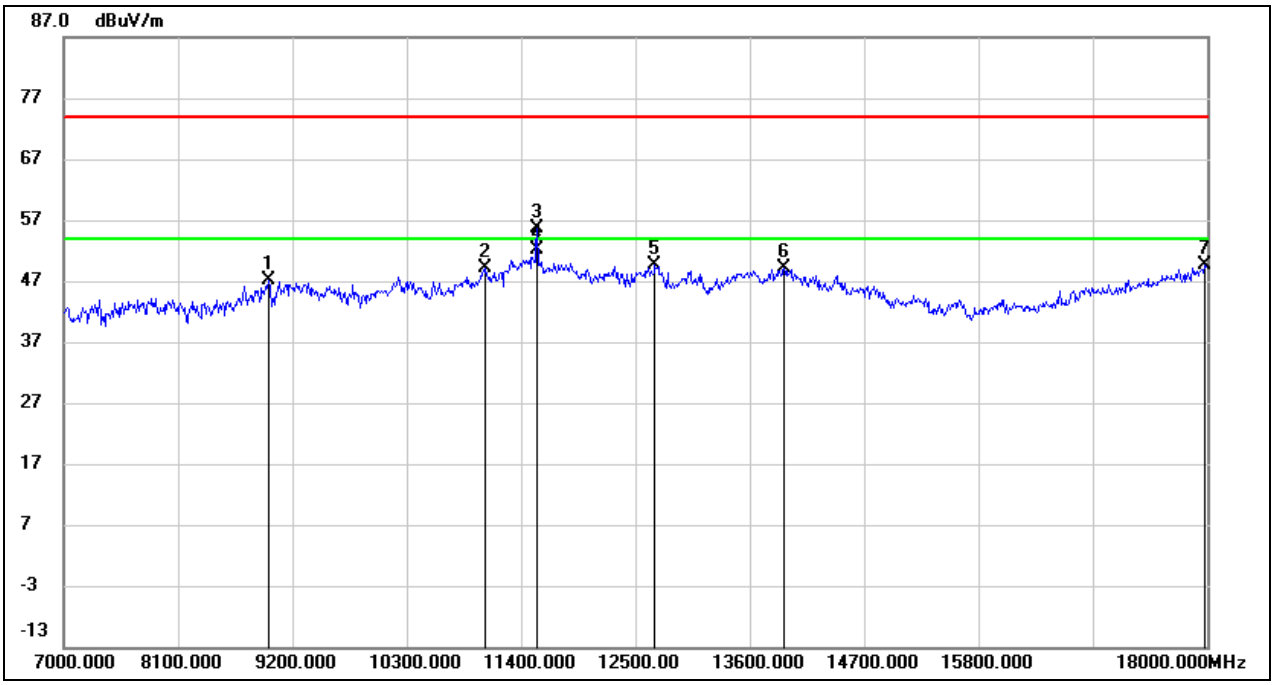
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8958.000	36.54	10.05	46.59	74.00	-27.41	peak
2	9332.000	36.38	10.54	46.92	74.00	-27.08	peak
3	11070.000	34.16	15.01	49.17	74.00	-24.83	peak
4	12698.000	31.97	18.08	50.05	74.00	-23.95	peak
5	14007.000	28.70	21.85	50.55	74.00	-23.45	peak
6	17846.000	24.65	25.08	49.73	74.00	-24.27	peak

Test Mode:	802.11ax HE80	Channel:	5775
Polarity:	Horizontal	Test Voltage:	DC 12 V



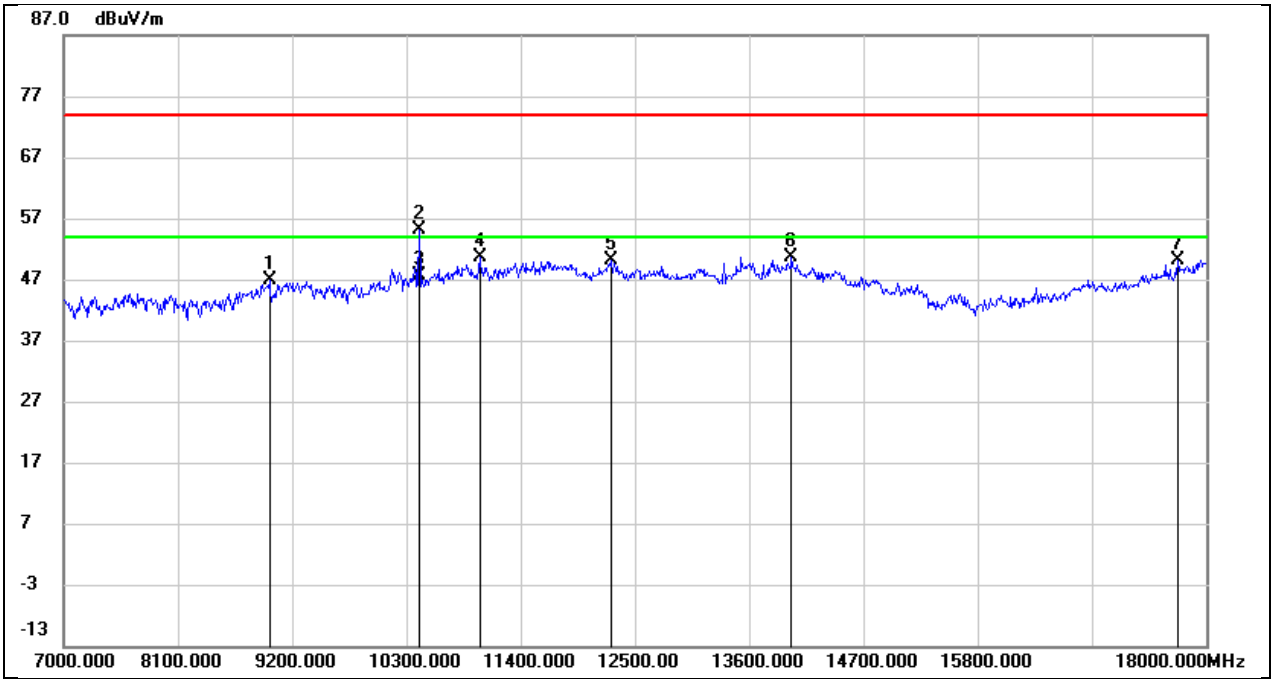
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9288.000	36.21	10.52	46.73	74.00	-27.27	peak
2	10223.000	35.17	12.24	47.41	74.00	-26.59	peak
3	11554.000	36.86	16.87	53.73	74.00	-20.27	peak
4	11554.000	34.63	16.87	51.50	54.00	-2.50	AVG
5	12500.000	31.86	17.83	49.69	74.00	-24.31	peak
6	13919.000	27.93	21.68	49.61	74.00	-24.39	peak
7	17912.000	25.09	25.52	50.61	74.00	-23.39	peak

Test Mode:	802.11ax HE80	Channel:	5775
Polarity:	Vertical	Test Voltage:	DC 12 V



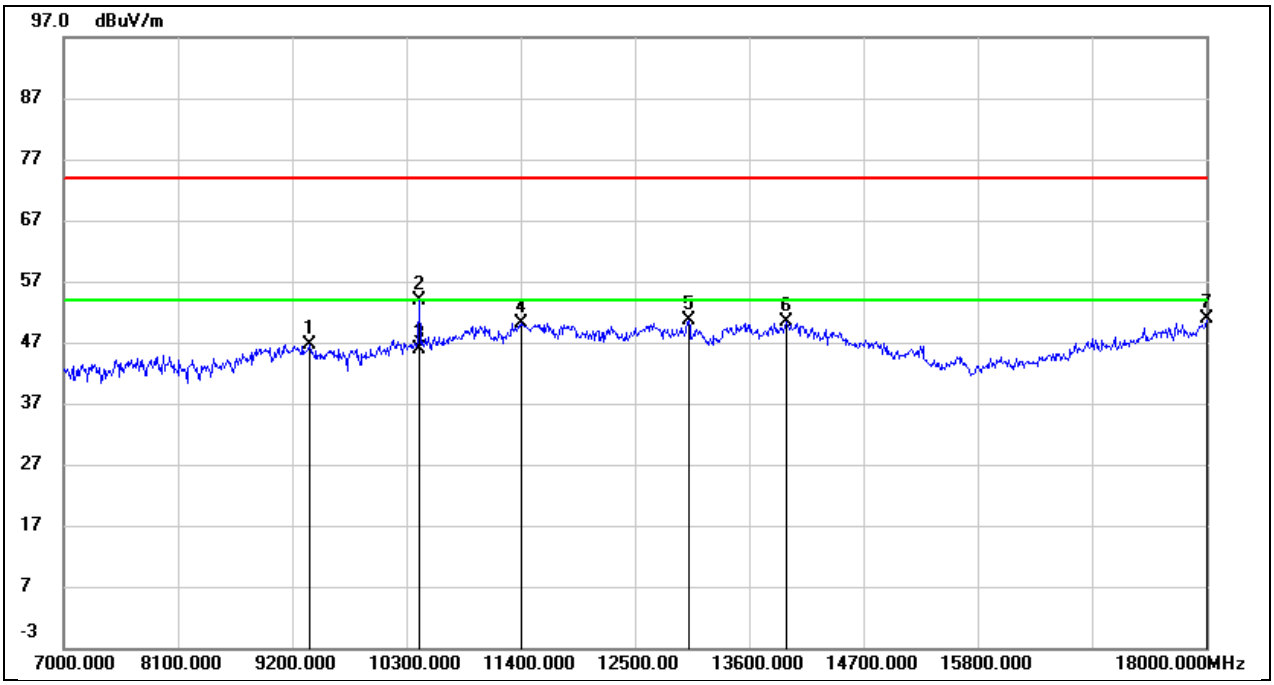
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8969.000	36.99	10.13	47.12	74.00	-26.88	peak
2	11048.000	34.13	14.91	49.04	74.00	-24.96	peak
3	11554.000	38.79	16.87	55.66	74.00	-18.34	peak
4	11554.000	35.33	16.87	52.20	54.00	-1.80	AVG
5	12687.000	31.70	18.05	49.75	74.00	-24.25	peak
6	13930.000	27.35	21.71	49.06	74.00	-24.94	peak
7	17978.000	23.57	25.97	49.54	74.00	-24.46	peak

Test Mode:	802.11ax HE80+80	Channel:	5210+5290
Polarity:	Horizontal	Test Voltage:	DC 12 V



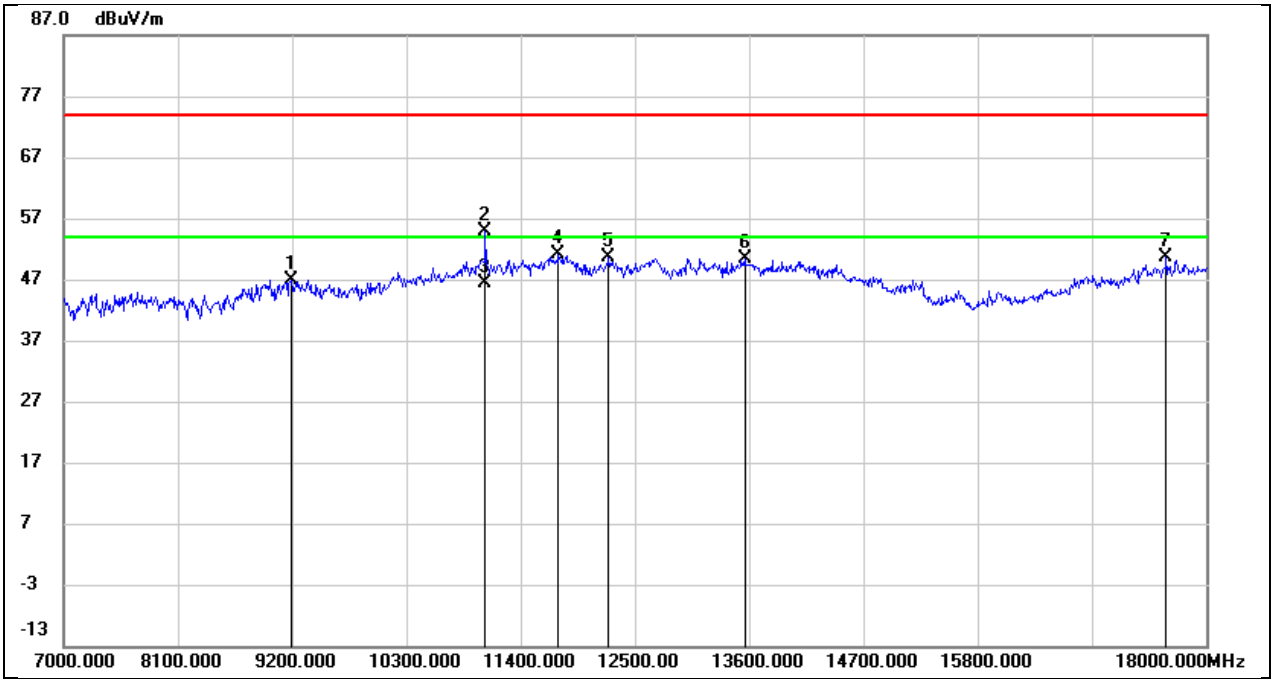
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8980.000	36.67	10.21	46.88	74.00	-27.12	peak
2	10421.000	42.35	12.66	55.01	74.00	-18.99	peak
3	10421.000	34.94	12.66	47.60	54.00	-6.40	AVG
4	11004.000	35.77	14.74	50.51	74.00	-23.49	peak
5	12269.000	32.29	17.77	50.06	74.00	-23.94	peak
6	14007.000	28.75	21.85	50.60	74.00	-23.40	peak
7	17725.000	25.78	24.24	50.02	74.00	-23.98	peak

Test Mode:	802.11ax HE80+80	Channel:	5210+5290
Polarity:	Vertical	Test Voltage:	DC 12 V



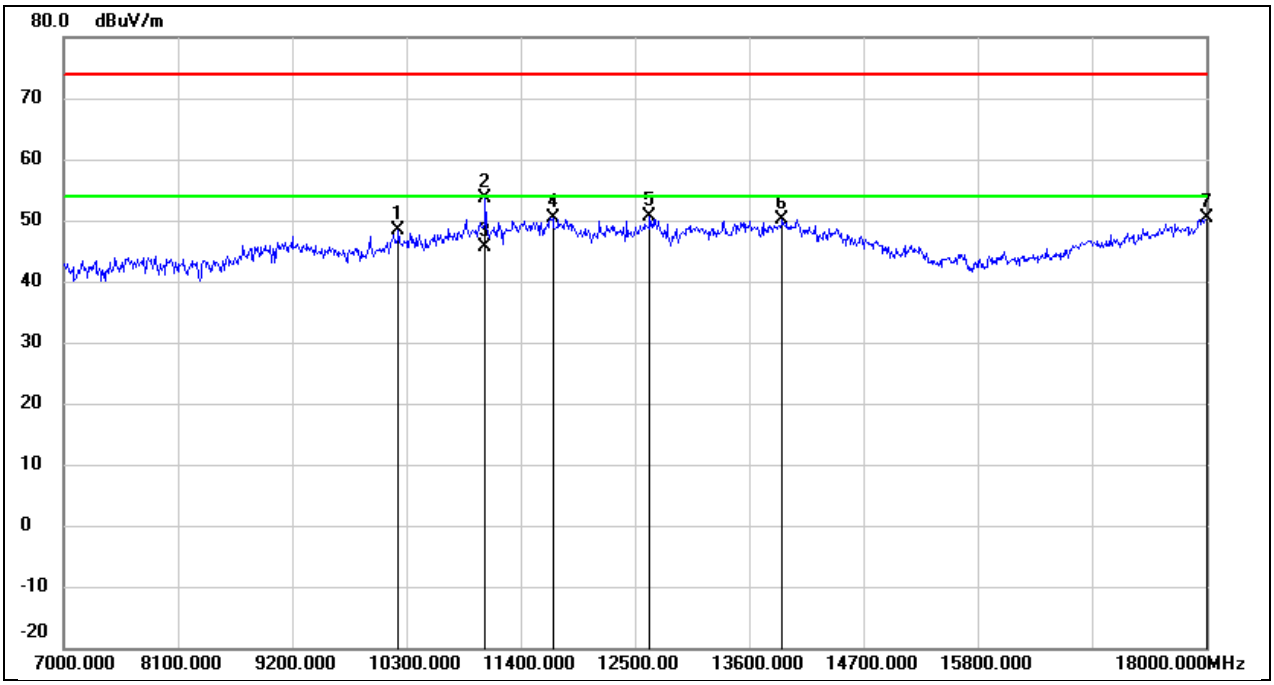
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9365.000	36.10	10.57	46.67	74.00	-27.33	peak
2	10421.000	41.20	12.66	53.86	74.00	-20.14	peak
3	10421.000	33.24	12.66	45.90	54.00	-8.10	AVG
4	11400.000	33.75	16.36	50.11	74.00	-23.89	peak
5	13017.000	32.11	18.53	50.64	74.00	-23.36	peak
6	13963.000	28.63	21.78	50.41	74.00	-23.59	peak
7	18000.000	24.86	26.12	50.98	74.00	-23.02	peak

Test Mode:	802.11ax HE80+80	Channel:	5530+5610
Polarity:	Horizontal	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9189.000	36.51	10.46	46.97	74.00	-27.03	peak
2	11059.000	39.86	14.96	54.82	74.00	-19.18	peak
3	11059.000	31.34	14.96	46.30	54.00	-7.70	AVG
4	11763.000	33.84	17.26	51.10	74.00	-22.90	peak
5	12247.000	32.85	17.77	50.62	74.00	-23.38	peak
6	13556.000	29.54	20.78	50.32	74.00	-23.68	peak
7	17615.000	27.02	23.49	50.51	74.00	-23.49	peak

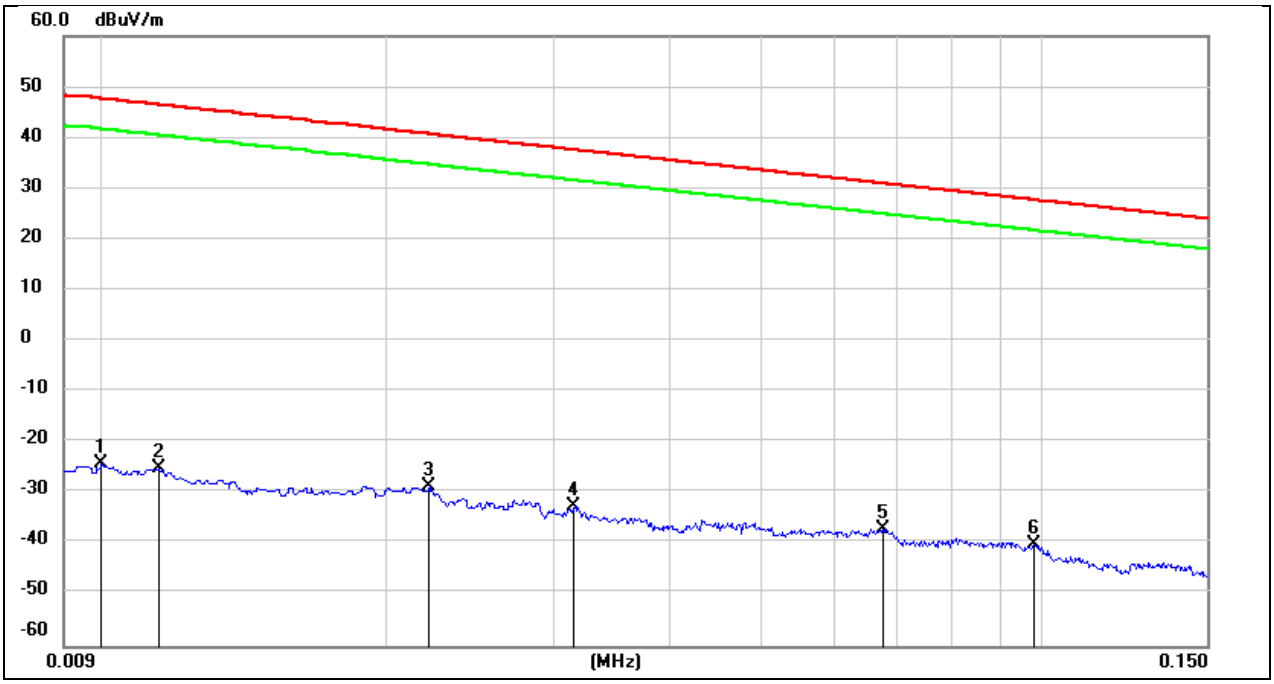
Test Mode:	802.11ax HE80+80	Channel:	5530+5610
Polarity:	Vertical	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10223.000	36.13	12.24	48.37	74.00	-25.63	peak
2	11059.000	38.76	14.96	53.72	74.00	-20.28	peak
3	11059.000	30.64	14.96	45.60	54.00	-8.40	AVG
4	11708.000	33.29	17.16	50.45	74.00	-23.55	peak
5	12643.000	32.63	18.01	50.64	74.00	-23.36	peak
6	13919.000	28.42	21.68	50.10	74.00	-23.90	peak
7	18000.000	24.35	26.12	50.47	74.00	-23.53	peak

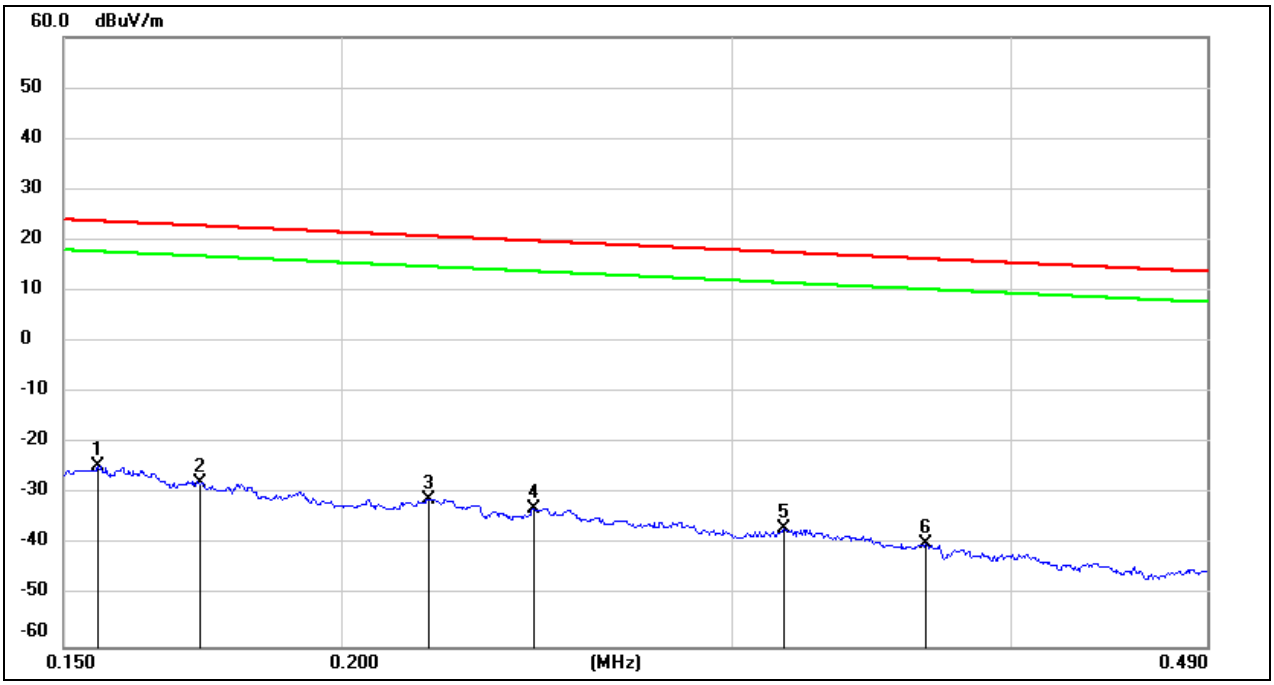
8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

Test Mode:	802.11a20	Channel:	5180
Polarity:	Horizontal	Test Voltage:	DC 12 V



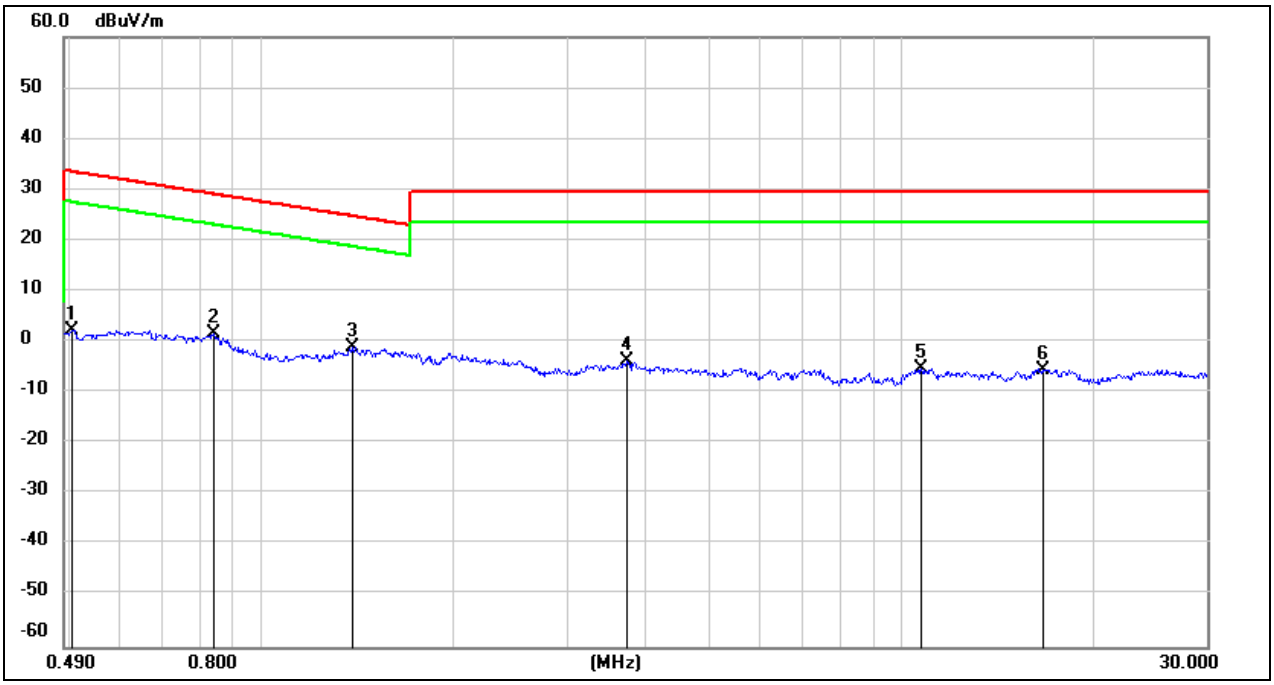
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0100	77.22	-101.40	-24.18	47.60	-71.78	peak
2	0.0114	76.38	-101.40	-25.02	46.46	-71.48	peak
3	0.0221	72.63	-101.35	-28.72	40.71	-69.43	peak
4	0.0316	68.74	-101.40	-32.66	37.61	-70.27	peak
5	0.0675	64.64	-101.56	-36.92	31.02	-67.94	peak
6	0.0981	61.77	-101.78	-40.01	27.77	-67.78	peak

Test Mode:	802.11a20	Channel:	5180
Polarity:	Horizontal	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1554	77.27	-101.65	-24.38	23.77	-48.15	peak
2	0.1728	73.99	-101.67	-27.68	22.86	-50.54	peak
3	0.2190	70.77	-101.75	-30.98	20.79	-51.77	peak
4	0.2442	69.03	-101.79	-32.76	19.85	-52.61	peak
5	0.3163	65.20	-101.87	-36.67	17.60	-54.27	peak
6	0.3662	62.08	-101.93	-39.85	16.33	-56.18	peak

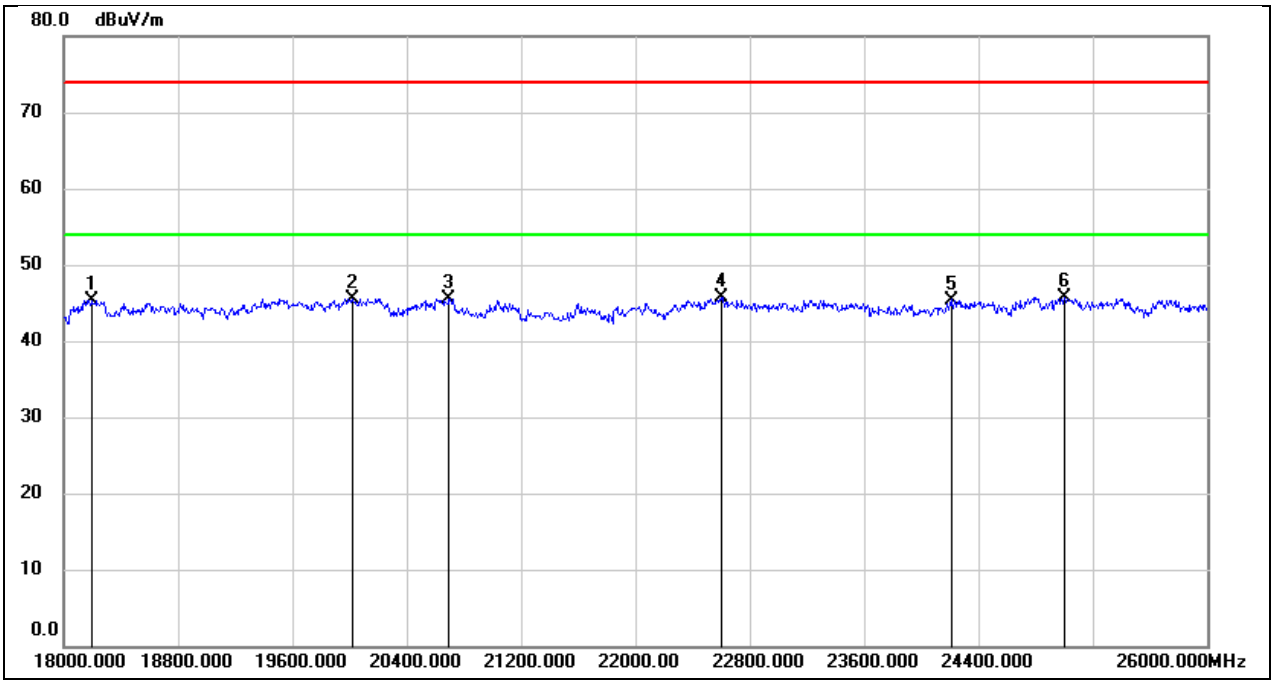
Test Mode:	802.11a20	Channel:	5180
Polarity:	Horizontal	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.5039	64.43	-62.07	2.36	33.56	-31.20	peak
2	0.8400	63.71	-62.17	1.54	29.12	-27.58	peak
3	1.3810	60.97	-62.10	-1.13	24.80	-25.93	peak
4	3.7100	57.70	-61.41	-3.71	29.54	-33.25	peak
5	10.7299	55.48	-60.83	-5.35	29.54	-34.89	peak
6	16.6021	55.52	-60.96	-5.44	29.54	-34.98	peak

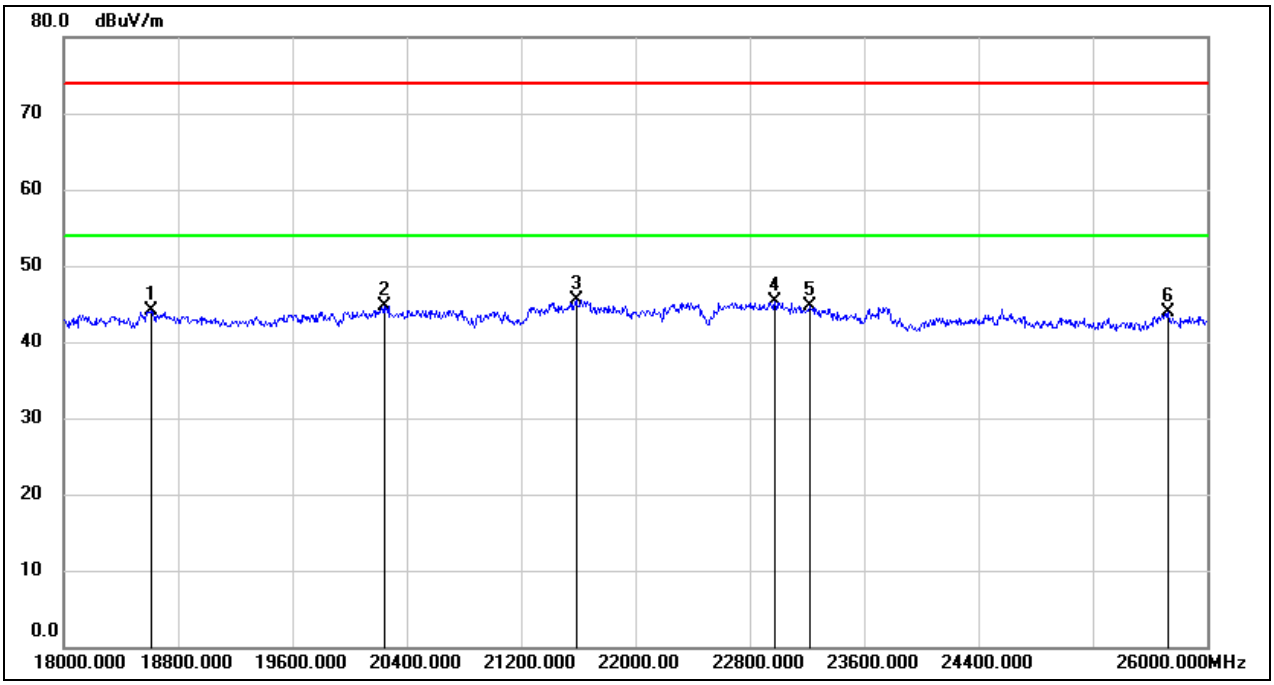
8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	802.11a 20	Channel:	5180
Polarity:	Horizontal	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18200.000	50.79	-5.52	45.27	74.00	-28.73	peak
2	20016.000	51.06	-5.47	45.59	74.00	-28.41	peak
3	20696.000	50.71	-5.16	45.55	74.00	-28.45	peak
4	22600.000	49.60	-3.80	45.80	74.00	-28.20	peak
5	24208.000	48.21	-2.81	45.40	74.00	-28.60	peak
6	25000.000	47.86	-2.10	45.76	74.00	-28.24	peak

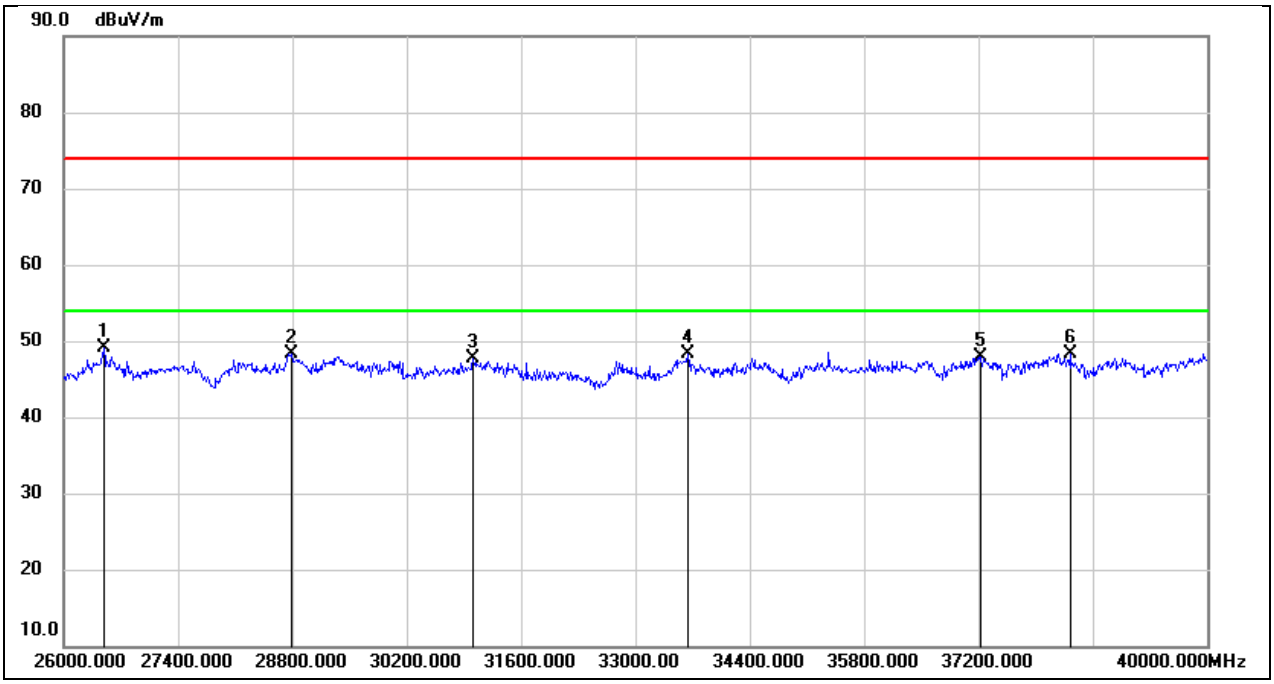
Test Mode:	802.11a 20	Channel:	5180
Polarity:	Vertical	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18616.000	49.39	-5.34	44.05	74.00	-29.95	peak
2	20240.000	50.32	-5.61	44.71	74.00	-29.29	peak
3	21584.000	50.10	-4.56	45.54	74.00	-28.46	peak
4	22976.000	48.76	-3.46	45.30	74.00	-28.70	peak
5	23216.000	48.01	-3.38	44.63	74.00	-29.37	peak
6	25728.000	44.61	-0.72	43.89	74.00	-30.11	peak

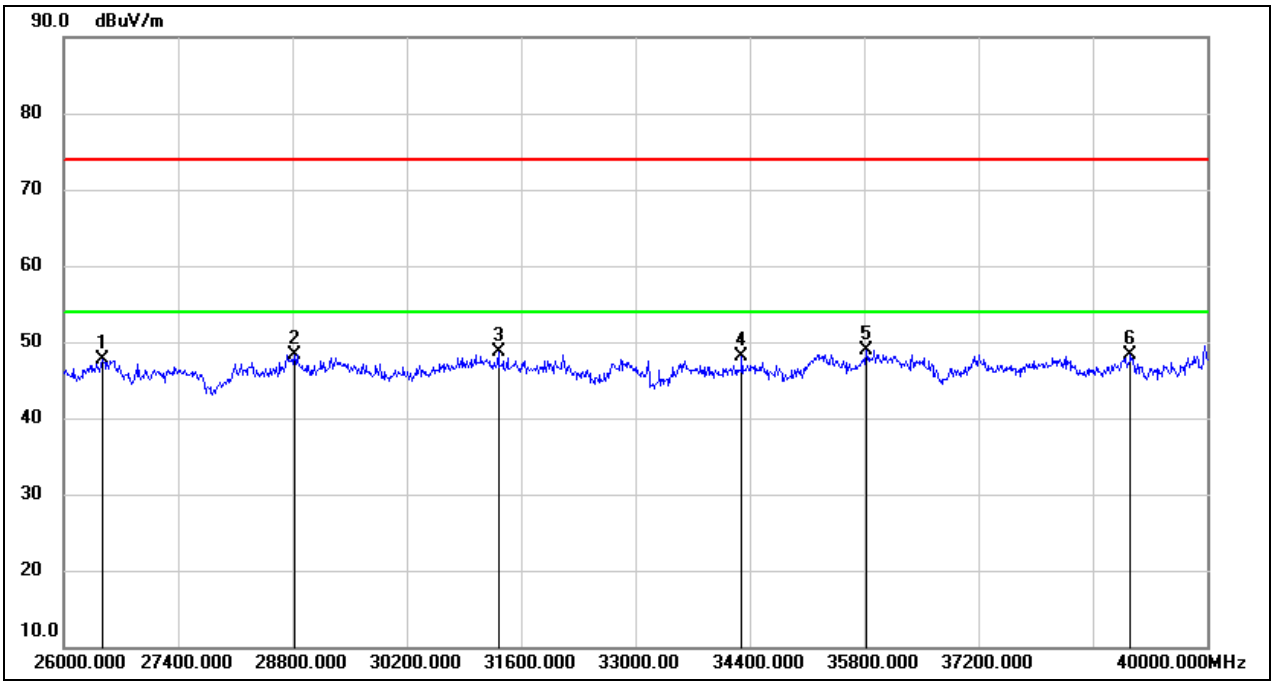
8.6. SPURIOUS EMISSIONS(26 GHZ~40 GHZ)

Test Mode:	802.11a 20	Channel:	5180
Polarity:	Horizontal	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	26490.000	53.79	-4.74	49.05	74.00	-24.95	peak
2	28786.000	48.99	-0.64	48.35	74.00	-25.65	peak
3	31012.000	48.33	-0.71	47.62	74.00	-26.38	peak
4	33644.000	47.81	0.42	48.23	74.00	-25.77	peak
5	37228.000	44.73	3.14	47.87	74.00	-26.13	peak
6	38320.000	44.56	3.77	48.33	74.00	-25.67	peak

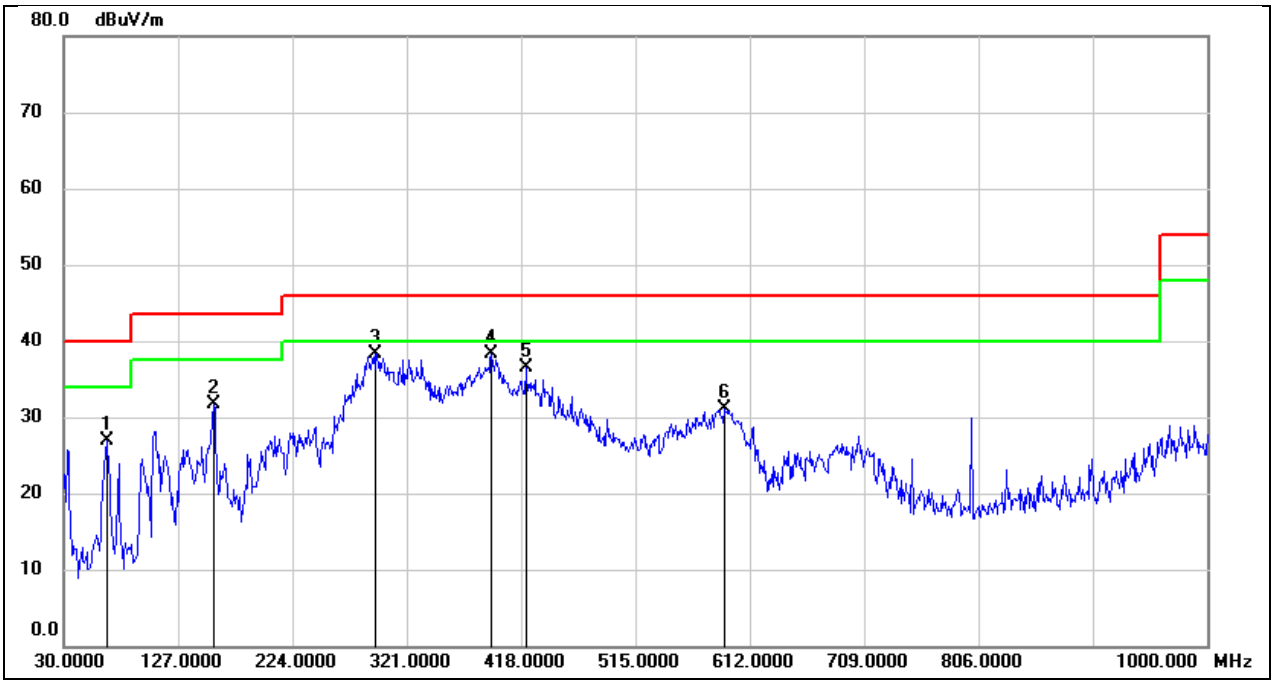
Test Mode:	802.11a 20	Channel:	5180
Polarity:	Vertical	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	26476.000	52.53	-4.78	47.75	74.00	-26.25	peak
2	28828.000	49.13	-0.79	48.34	74.00	-25.66	peak
3	31320.000	49.61	-0.93	48.68	74.00	-25.32	peak
4	34302.000	46.95	1.10	48.05	74.00	-25.95	peak
5	35828.000	45.25	3.67	48.92	74.00	-25.08	peak
6	39062.000	43.98	4.30	48.28	74.00	-25.72	peak

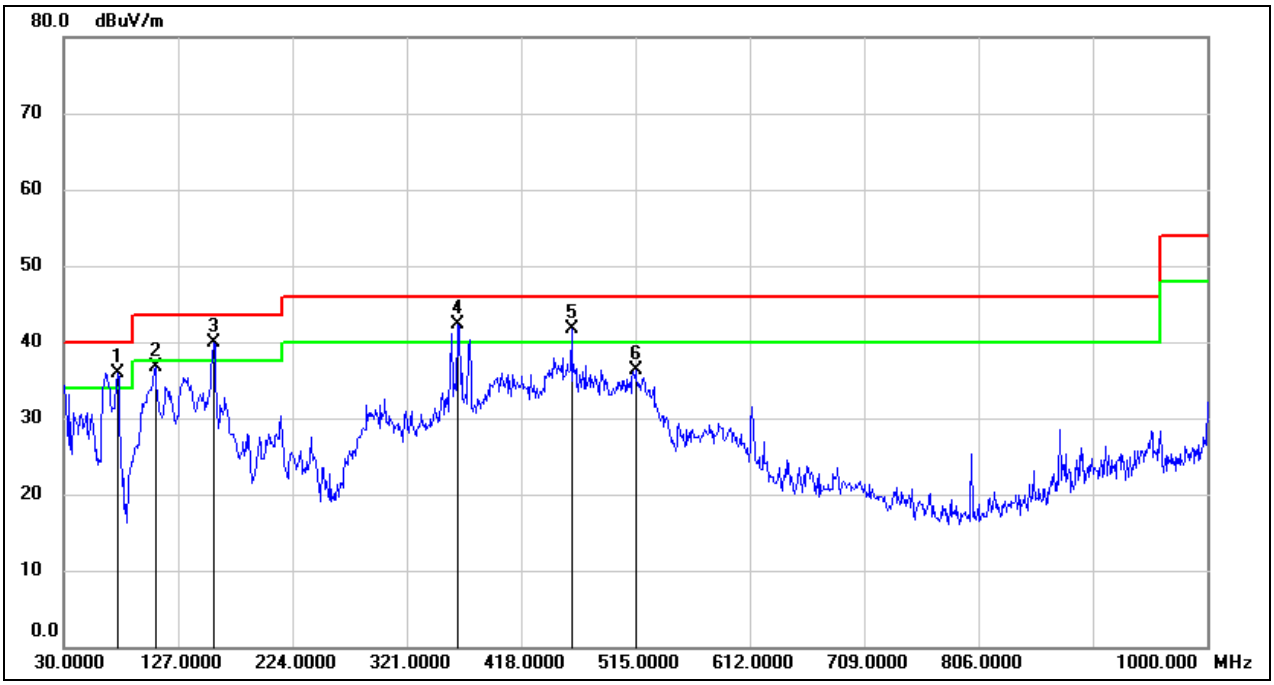
8.7. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	802.11a 20	Channel:	5180
Polarity:	Horizontal	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	66.8600	47.43	-20.56	26.87	40.00	-13.13	QP
2	157.0700	49.70	-17.92	31.78	43.50	-11.72	QP
3	294.8100	54.01	-15.61	38.40	46.00	-7.60	QP
4	392.7800	51.79	-13.46	38.33	46.00	-7.67	QP
5	421.8800	49.52	-12.94	36.58	46.00	-9.42	QP
6	590.6599	40.93	-9.80	31.13	46.00	-14.87	QP

Test Mode:	802.11a 20	Channel:	5180
Polarity:	Vertical	Test Voltage:	DC 12 V

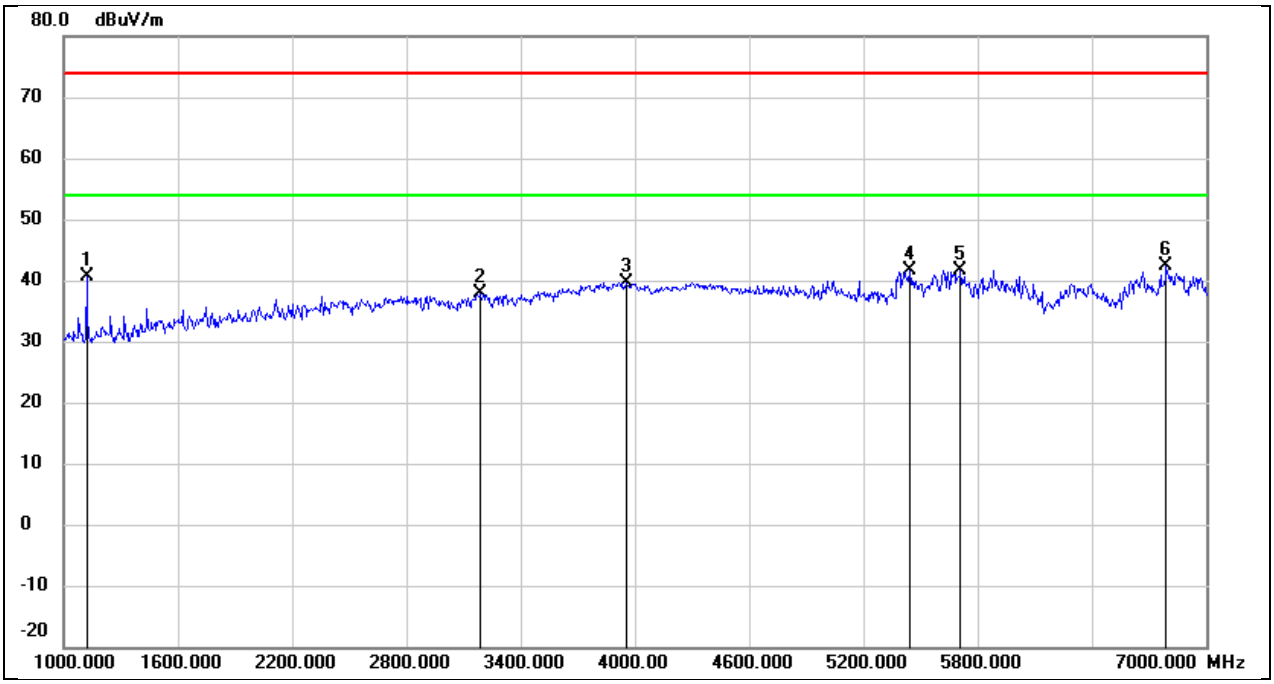


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	75.5899	56.87	-20.99	35.88	40.00	-4.12	QP
2	107.6000	57.24	-20.58	36.66	43.50	-6.84	QP
3	157.0700	57.91	-17.92	39.99	43.50	-3.51	QP
4	363.6800	56.45	-14.05	42.40	46.00	-3.60	QP
5	460.6800	53.73	-12.11	41.62	46.00	-4.38	QP
6	515.0000	47.57	-11.17	36.40	46.00	-9.60	QP

8.8. SIMULTANEOUSLY TRANSMISSION SPURIOUS EMISSIONS

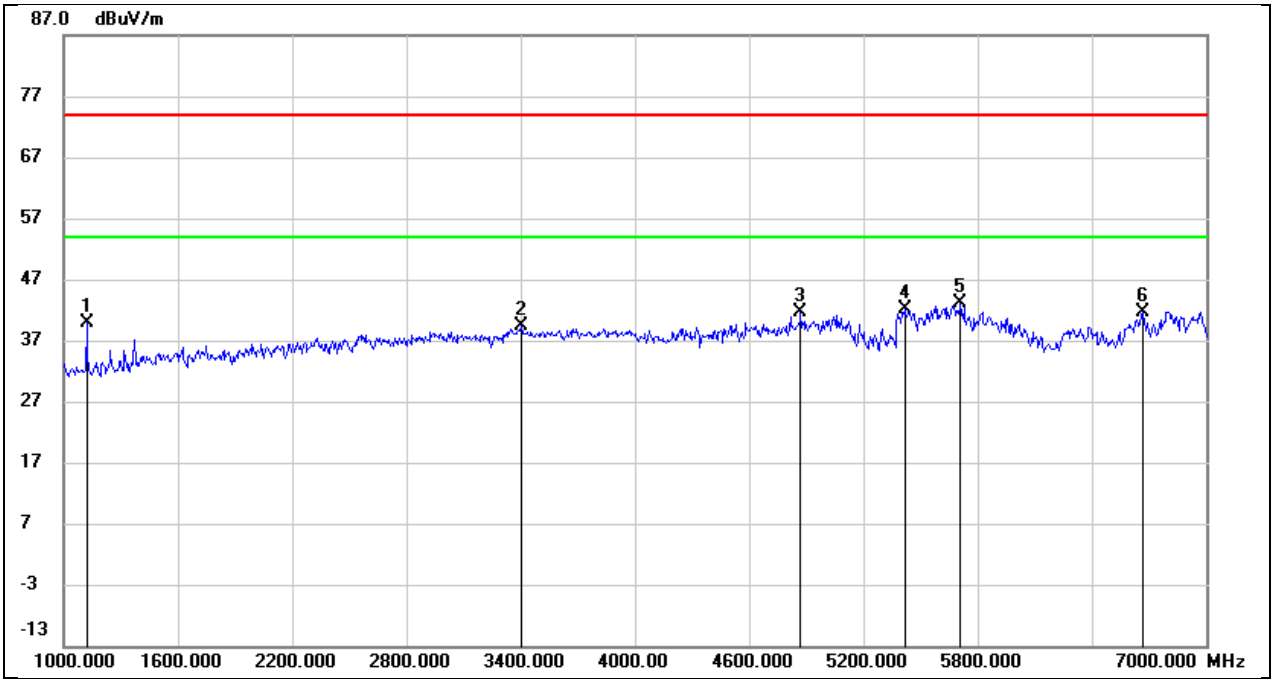
(1 GHz~18 GHz) (Worst case)

Test Mode:	WIFI 2.4G 802.11b Mode 2437 MHz &WIFI 5G 802.11a Mode 5745 MHz		
Polarity:	Horizontal	Test Voltage:	DC 12 V



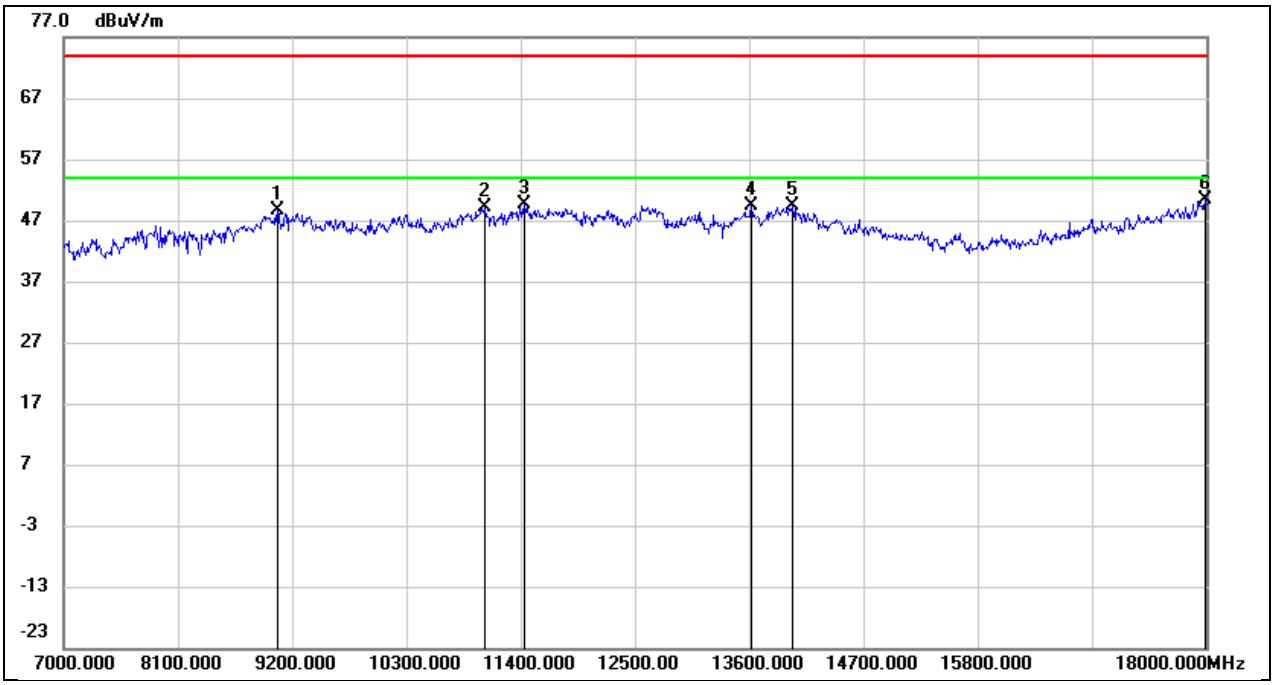
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	55.01	-14.47	40.54	74.00	-33.46	peak
2	3190.000	44.50	-6.55	37.95	74.00	-36.05	peak
3	3958.000	44.31	-4.59	39.72	74.00	-34.28	peak
4	5440.000	41.21	0.35	41.56	74.00	-32.44	peak
5	5710.000	40.72	1.02	41.74	74.00	-32.26	peak
6	6790.000	37.13	5.15	42.28	74.00	-31.72	peak

Test Mode:	WIFI 2.4G 802.11b Mode 2437 MHz &WIFI 5G 802.11a Mode 5745 MHz		
Polarity:	Vertical	Test Voltage:	DC 12 V



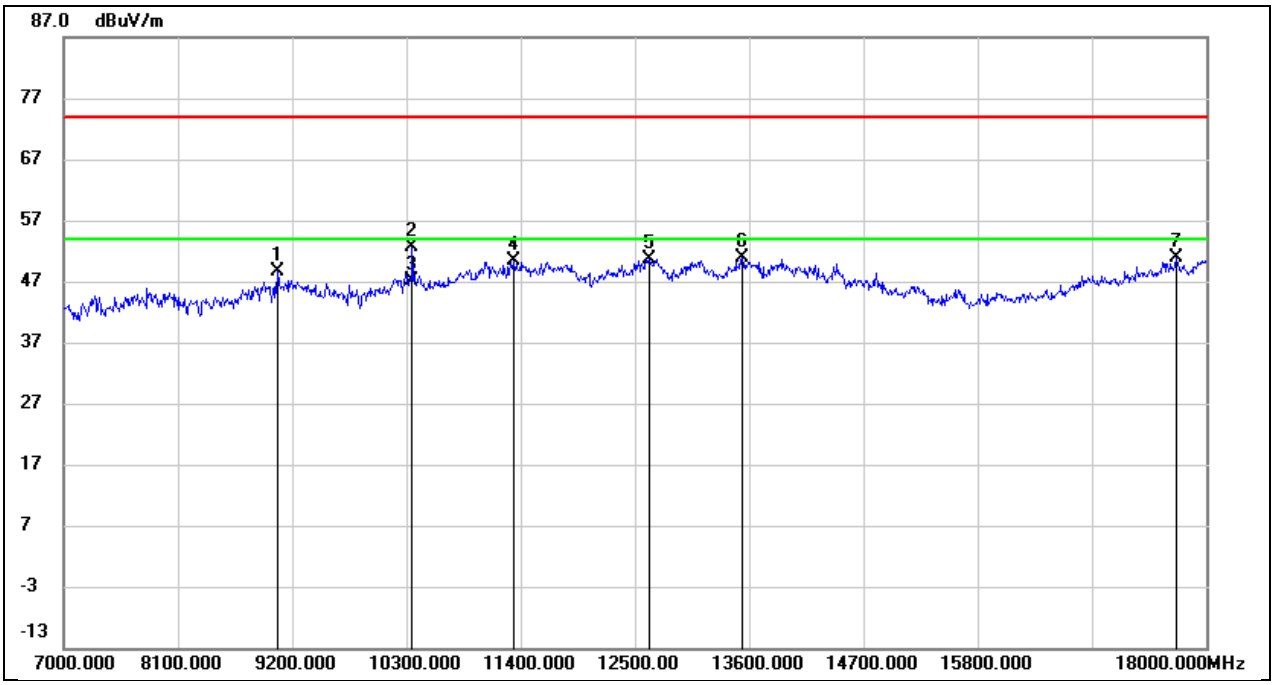
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1120.000	54.32	-14.47	39.85	74.00	-34.15	peak
2	3406.000	45.41	-6.06	39.35	74.00	-34.65	peak
3	4870.000	42.32	-0.66	41.66	74.00	-32.34	peak
4	5416.000	41.71	0.32	42.03	74.00	-31.97	peak
5	5710.000	42.15	1.02	43.17	74.00	-30.83	peak
6	6664.000	37.21	4.54	41.75	74.00	-32.25	peak

Test Mode:	WIFI 2.4G 802.11b Mode 2437 MHz &WIFI 5G 802.11a Mode 5745 MHz		
Polarity:	Horizontal	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9057.000	38.21	10.38	48.59	74.00	-25.41	peak
2	11048.000	34.33	14.91	49.24	74.00	-24.76	peak
3	11433.000	33.07	16.50	49.57	74.00	-24.43	peak
4	13622.000	28.40	20.94	49.34	74.00	-24.66	peak
5	14018.000	27.68	21.80	49.48	74.00	-24.52	peak
6	17989.000	24.32	26.04	50.36	74.00	-23.64	peak

Test Mode:	WIFI 2.4G 802.11b Mode 2437 MHz &WIFI 5G 802.11a Mode 5745 MHz		
Polarity:	Vertical	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9057.000	38.15	10.38	48.53	74.00	-25.47	peak
2	10355.000	40.20	12.52	52.72	74.00	-21.28	peak
3	10355.000	34.58	12.52	47.10	54.00	-6.90	AVG
4	11334.000	34.21	16.09	50.30	74.00	-23.70	peak
5	12632.000	32.67	17.99	50.66	74.00	-23.34	peak
6	13534.000	30.11	20.73	50.84	74.00	-23.16	peak
7	17714.000	26.74	24.16	50.90	74.00	-23.10	peak

9. AC POWER LINE CONDUCTED EMISSION

LIMITS

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

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

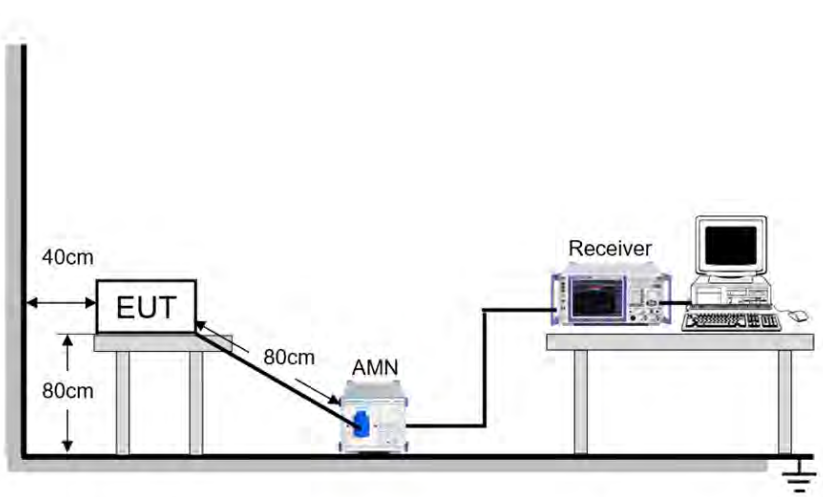
TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 6.2.

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

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

TEST SETUP



TEST ENVIRONMENT

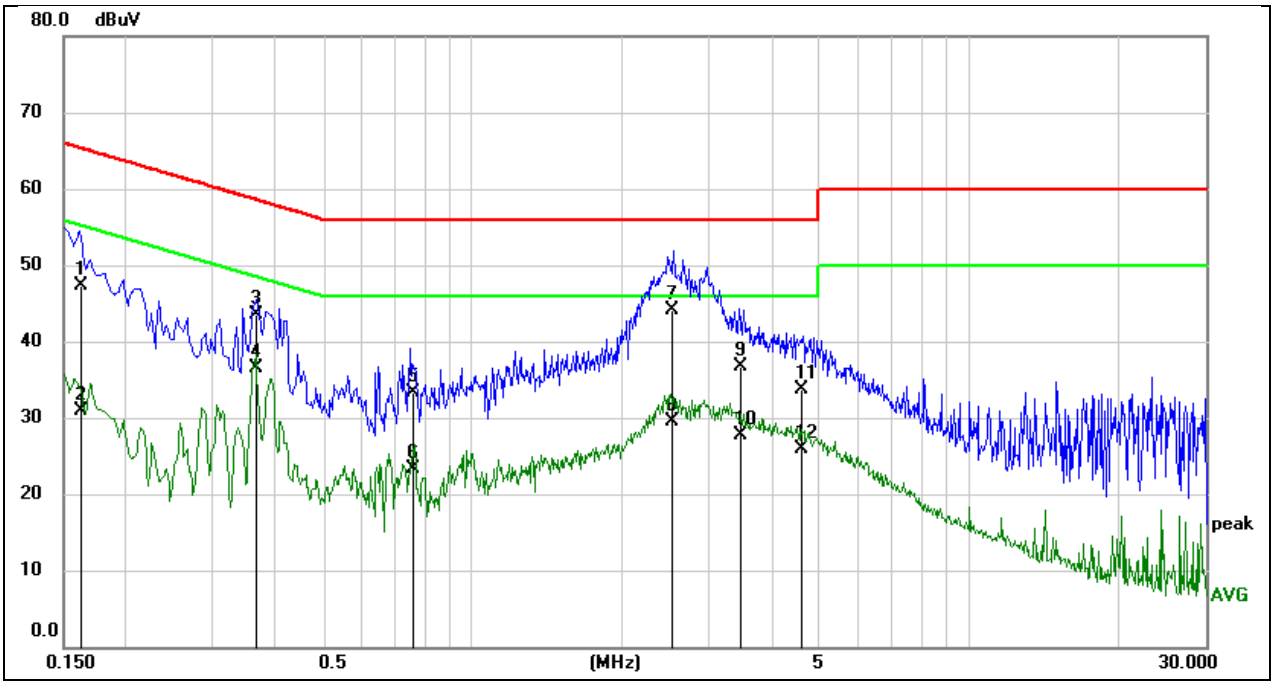
Temperature	24.4℃	Relative Humidity	60%
Atmosphere Pressure	101kPa	Test Voltage	AC 120 V, 60 Hz

TEST DATE / ENGINEER

Test Date	April 19, 2023	Test By	Wite Chen

TEST RESULTS

Test Mode:	802.11a 20	Channel:	5180
Line:	Line	Test Voltage:	AC 120 V, 60 Hz

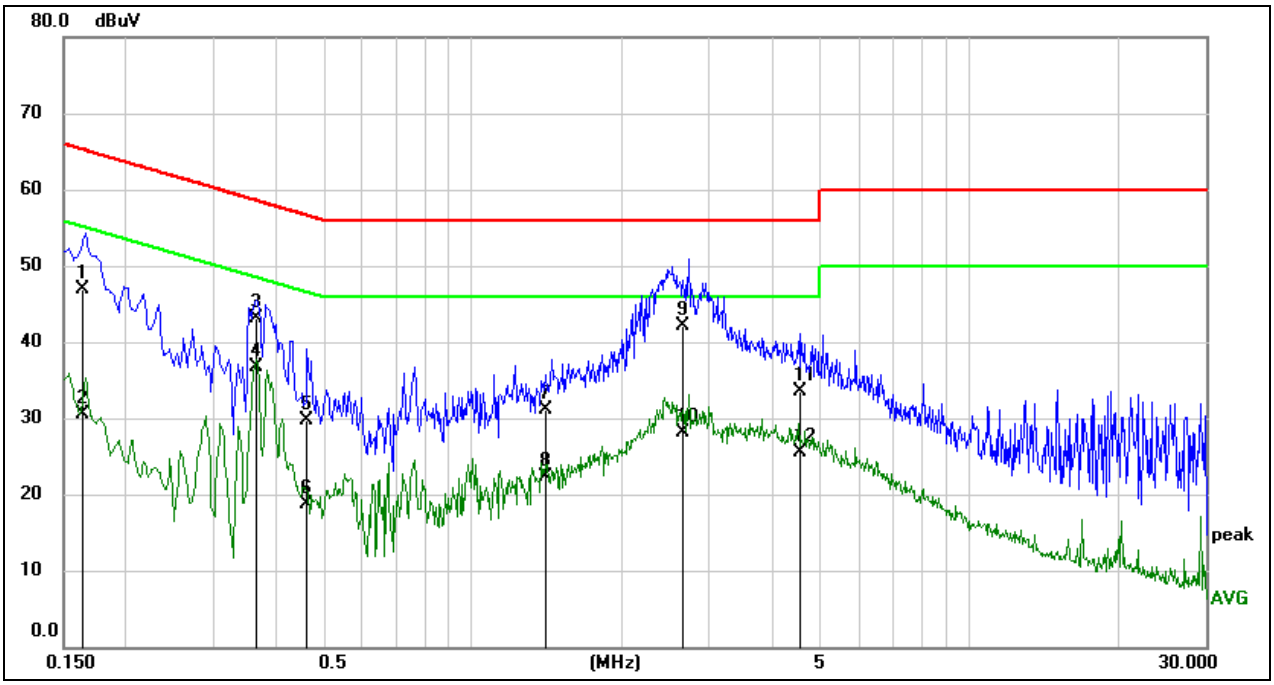


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1623	37.62	9.59	47.21	65.35	-18.14	QP
2	0.1623	21.28	9.59	30.87	55.35	-24.48	AVG
3	0.3684	33.97	9.59	43.56	58.54	-14.98	QP
4	0.3684	26.95	9.59	36.54	48.54	-12.00	AVG
5	0.7616	23.77	9.60	33.37	56.00	-22.63	QP
6	0.7616	13.63	9.60	23.23	46.00	-22.77	AVG
7	2.5264	34.53	9.65	44.18	56.00	-11.82	QP
8	2.5264	19.87	9.65	29.52	46.00	-16.48	AVG
9	3.4879	26.94	9.68	36.62	56.00	-19.38	QP
10	3.4879	17.97	9.68	27.65	46.00	-18.35	AVG
11	4.5956	24.07	9.71	33.78	56.00	-22.22	QP
12	4.5956	16.10	9.71	25.81	46.00	-20.19	AVG

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

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

Test Mode:	802.11a 20	Channel:	5180
Line:	Neutral	Test Voltage:	AC 120 V, 60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1631	37.29	9.59	46.88	65.30	-18.42	QP
2	0.1631	21.01	9.59	30.60	55.30	-24.70	AVG
3	0.3669	33.49	9.59	43.08	58.57	-15.49	QP
4	0.3669	27.10	9.59	36.69	48.57	-11.88	AVG
5	0.4653	20.06	9.60	29.66	56.60	-26.94	QP
6	0.4653	9.12	9.60	18.72	46.60	-27.88	AVG
7	1.4078	21.47	9.62	31.09	56.00	-24.91	QP
8	1.4078	12.69	9.62	22.31	46.00	-23.69	AVG
9	2.6414	32.49	9.65	42.14	56.00	-13.86	QP
10	2.6414	18.43	9.65	28.08	46.00	-17.92	AVG
11	4.5932	23.73	9.71	33.44	56.00	-22.56	QP
12	4.5932	15.87	9.71	25.58	46.00	-20.42	AVG

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

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

10. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC part 15.203
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC part 15.407(a)
For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. 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.

DESCRIPTION

Pass

11. TEST DATA

11.1. APPENDIX A: EMISSION BANDWIDTH

11.1.1. NSS=1 Test Result

Test Mode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
11A-CDD	Ant1	5180	18.760	5170.480	5189.240	PASS
	Ant2	5180	19.160	5170.520	5189.680	PASS
	Ant3	5180	18.880	5170.600	5189.480	PASS
	Ant4	5180	19.200	5170.400	5189.600	PASS
	Ant9	5180	18.520	5170.720	5189.240	PASS
	Ant10	5180	18.800	5170.520	5189.320	PASS
	Ant15	5180	18.800	5170.800	5189.600	PASS
	Ant16	5180	18.640	5170.760	5189.400	PASS
	Ant1	5200	18.720	5190.480	5209.200	PASS
	Ant2	5200	18.560	5190.720	5209.280	PASS
	Ant3	5200	18.640	5190.640	5209.280	PASS
	Ant4	5200	18.520	5190.800	5209.320	PASS
	Ant9	5200	18.560	5190.880	5209.440	PASS
	Ant10	5200	18.680	5190.760	5209.440	PASS
	Ant15	5200	18.880	5190.440	5209.320	PASS
	Ant16	5200	18.840	5190.640	5209.480	PASS
	Ant1	5240	18.560	5230.840	5249.400	PASS
	Ant2	5240	18.760	5230.680	5249.440	PASS
	Ant3	5240	18.800	5230.600	5249.400	PASS
	Ant4	5240	18.560	5230.680	5249.240	PASS
	Ant9	5240	18.840	5230.440	5249.280	PASS
	Ant10	5240	18.680	5230.760	5249.440	PASS
	Ant15	5240	18.840	5230.560	5249.400	PASS
	Ant16	5240	18.760	5230.600	5249.360	PASS
	Ant1	5260	18.560	5250.880	5269.440	PASS
	Ant2	5260	18.680	5250.480	5269.160	PASS
	Ant3	5260	18.720	5250.520	5269.240	PASS
	Ant4	5260	18.320	5250.800	5269.120	PASS
	Ant9	5260	18.560	5250.600	5269.160	PASS
	Ant10	5260	18.560	5250.560	5269.120	PASS
	Ant15	5260	18.640	5250.640	5269.280	PASS
	Ant16	5260	19.120	5250.400	5269.520	PASS
	Ant1	5280	18.680	5270.320	5289.000	PASS
	Ant2	5280	18.600	5270.520	5289.120	PASS
	Ant3	5280	18.800	5270.800	5289.600	PASS
	Ant4	5280	19.120	5270.560	5289.680	PASS
	Ant9	5280	18.520	5270.960	5289.480	PASS
	Ant10	5280	18.680	5270.560	5289.240	PASS
	Ant15	5280	18.320	5270.880	5289.200	PASS
	Ant16	5280	18.520	5270.720	5289.240	PASS
	Ant1	5320	18.760	5310.800	5329.560	PASS
	Ant2	5320	19.080	5310.400	5329.480	PASS
	Ant3	5320	18.600	5310.760	5329.360	PASS
	Ant4	5320	18.520	5310.640	5329.160	PASS
	Ant9	5320	18.600	5310.600	5329.200	PASS
	Ant10	5320	19.000	5310.400	5329.400	PASS
	Ant15	5320	18.800	5310.400	5329.200	PASS
	Ant16	5320	18.960	5310.640	5329.600	PASS
	Ant1	5500	18.320	5491.000	5509.320	PASS
	Ant2	5500	18.800	5490.760	5509.560	PASS
	Ant3	5500	18.440	5490.840	5509.280	PASS
	Ant4	5500	18.480	5490.600	5509.080	PASS
	Ant9	5500	18.320	5490.880	5509.200	PASS
	Ant10	5500	19.120	5490.200	5509.320	PASS
	Ant15	5500	18.520	5490.680	5509.200	PASS

	Ant16	5500	18.600	5490.840	5509.440	PASS
	Ant1	5580	18.800	5570.440	5589.240	PASS
	Ant2	5580	18.560	5570.920	5589.480	PASS
	Ant3	5580	18.440	5570.880	5589.320	PASS
	Ant4	5580	19.040	5570.240	5589.280	PASS
	Ant9	5580	18.120	5571.040	5589.160	PASS
	Ant10	5580	18.360	5570.760	5589.120	PASS
	Ant15	5580	18.840	5570.720	5589.560	PASS
	Ant16	5580	19.240	5570.200	5589.440	PASS
	Ant1	5700	18.320	5690.920	5709.240	PASS
	Ant2	5700	18.760	5690.600	5709.360	PASS
	Ant3	5700	19.360	5690.160	5709.520	PASS
	Ant4	5700	18.680	5690.680	5709.360	PASS
	Ant9	5700	18.960	5690.520	5709.480	PASS
	Ant10	5700	19.040	5690.440	5709.480	PASS
	Ant15	5700	18.440	5690.720	5709.160	PASS
	Ant16	5700	19.320	5690.560	5709.880	PASS
	Ant1	5720	18.440	5710.720	5729.160	PASS
	Ant2	5720	18.640	5710.600	5729.240	PASS
	Ant3	5720	18.680	5710.720	5729.400	PASS
	Ant4	5720	18.440	5710.920	5729.360	PASS
	Ant9	5720	18.480	5710.600	5729.080	PASS
	Ant10	5720	19.160	5710.480	5729.640	PASS
	Ant15	5720	19.280	5710.280	5729.560	PASS
	Ant16	5720	19.080	5710.360	5729.440	PASS
	Ant1	5720_UNII-2C	14.28	5710.720	5725	PASS
	Ant2	5720_UNII-2C	14.4	5710.600	5725	PASS
	Ant3	5720_UNII-2C	14.28	5710.720	5725	PASS
	Ant4	5720_UNII-2C	14.08	5710.920	5725	PASS
	Ant9	5720_UNII-2C	14.4	5710.600	5725	PASS
	Ant10	5720_UNII-2C	14.52	5710.480	5725	PASS
	Ant15	5720_UNII-2C	14.72	5710.280	5725	PASS
	Ant16	5720_UNII-2C	14.64	5710.360	5725	PASS
	Ant1	5720_UNII-3	4.16	5725	5729.160	PASS
	Ant2	5720_UNII-3	4.24	5725	5729.240	PASS
	Ant3	5720_UNII-3	4.4	5725	5729.400	PASS
	Ant4	5720_UNII-3	4.36	5725	5729.360	PASS
	Ant9	5720_UNII-3	4.08	5725	5729.080	PASS
	Ant10	5720_UNII-3	4.64	5725	5729.640	PASS
	Ant15	5720_UNII-3	4.56	5725	5729.560	PASS
	Ant16	5720_UNII-3	4.44	5725	5729.440	PASS
	Ant1	5745	19.040	5735.520	5754.560	PASS
	Ant2	5745	18.760	5735.480	5754.240	PASS
	Ant3	5745	18.800	5735.680	5754.480	PASS
	Ant4	5745	18.760	5735.840	5754.600	PASS
	Ant9	5745	18.840	5735.640	5754.480	PASS
	Ant10	5745	18.760	5735.320	5754.080	PASS
	Ant15	5745	18.840	5735.520	5754.360	PASS
	Ant16	5745	19.520	5734.880	5754.400	PASS
	Ant1	5785	18.720	5775.600	5794.320	PASS
	Ant2	5785	18.600	5775.680	5794.280	PASS
	Ant3	5785	18.560	5775.880	5794.440	PASS
	Ant4	5785	18.680	5775.520	5794.200	PASS
	Ant9	5785	18.600	5775.640	5794.240	PASS
	Ant10	5785	18.720	5775.640	5794.360	PASS
	Ant15	5785	18.600	5775.720	5794.320	PASS
	Ant16	5785	18.600	5775.760	5794.360	PASS
	Ant1	5825	18.800	5815.520	5834.320	PASS
	Ant2	5825	19.560	5814.760	5834.320	PASS
	Ant3	5825	18.560	5815.880	5834.440	PASS
	Ant4	5825	20.840	5814.600	5835.440	PASS
	Ant9	5825	18.480	5815.880	5834.360	PASS
	Ant10	5825	18.640	5815.560	5834.200	PASS

	Ant15	5825	18.760	5815.440	5834.200	PASS
	Ant16	5825	18.440	5815.680	5834.120	PASS
11AX20MIMO	Ant1	5180	20.480	5169.600	5190.080	PASS
	Ant2	5180	20.160	5169.840	5190.000	PASS
	Ant3	5180	20.560	5169.760	5190.320	PASS
	Ant4	5180	20.280	5169.920	5190.200	PASS
	Ant9	5180	20.320	5169.920	5190.240	PASS
	Ant10	5180	20.280	5169.960	5190.240	PASS
	Ant15	5180	20.240	5169.920	5190.160	PASS
	Ant16	5180	20.040	5170.040	5190.080	PASS
	Ant1	5200	20.240	5189.840	5210.080	PASS
	Ant2	5200	20.400	5189.840	5210.240	PASS
	Ant3	5200	20.520	5189.560	5210.080	PASS
	Ant4	5200	20.880	5189.840	5210.720	PASS
	Ant9	5200	20.240	5189.920	5210.160	PASS
	Ant10	5200	20.840	5189.600	5210.440	PASS
	Ant15	5200	20.480	5189.840	5210.320	PASS
	Ant16	5200	20.880	5189.600	5210.480	PASS
	Ant1	5240	20.240	5229.840	5250.080	PASS
	Ant2	5240	20.280	5229.800	5250.080	PASS
	Ant3	5240	20.800	5229.640	5250.440	PASS
	Ant4	5240	20.200	5229.920	5250.120	PASS
	Ant9	5240	20.480	5229.840	5250.320	PASS
	Ant10	5240	19.760	5230.160	5249.920	PASS
	Ant15	5240	20.240	5229.960	5250.200	PASS
	Ant16	5240	20.400	5229.840	5250.240	PASS
	Ant1	5260	20.040	5249.840	5269.880	PASS
	Ant2	5260	20.120	5249.960	5270.080	PASS
	Ant3	5260	20.640	5249.920	5270.560	PASS
	Ant4	5260	20.840	5249.720	5270.560	PASS
	Ant9	5260	20.040	5249.920	5269.960	PASS
	Ant10	5260	19.640	5250.160	5269.800	PASS
	Ant15	5260	21.440	5249.160	5270.600	PASS
	Ant16	5260	21.520	5249.320	5270.840	PASS
	Ant1	5280	20.160	5269.920	5290.080	PASS
	Ant2	5280	20.280	5269.640	5289.920	PASS
	Ant3	5280	20.320	5269.880	5290.200	PASS
	Ant4	5280	20.280	5269.760	5290.040	PASS
	Ant9	5280	20.280	5269.800	5290.080	PASS
	Ant10	5280	20.120	5269.920	5290.040	PASS
	Ant15	5280	20.240	5269.720	5289.960	PASS
	Ant16	5280	20.600	5269.480	5290.080	PASS
	Ant1	5320	20.160	5310.040	5330.200	PASS
	Ant2	5320	20.640	5309.720	5330.360	PASS
	Ant3	5320	20.560	5309.760	5330.320	PASS
	Ant4	5320	20.080	5309.840	5329.920	PASS
	Ant9	5320	20.520	5309.760	5330.280	PASS
	Ant10	5320	19.840	5309.960	5329.800	PASS
	Ant15	5320	20.800	5309.600	5330.400	PASS
	Ant16	5320	20.400	5309.680	5330.080	PASS
	Ant1	5500	20.760	5489.200	5509.960	PASS
	Ant2	5500	20.520	5489.640	5510.160	PASS
	Ant3	5500	20.720	5489.840	5510.560	PASS
	Ant4	5500	20.240	5489.760	5510.000	PASS
	Ant9	5500	20.440	5490.000	5510.440	PASS
	Ant10	5500	20.360	5489.760	5510.120	PASS
	Ant15	5500	20.000	5489.960	5509.960	PASS
	Ant16	5500	20.960	5489.560	5510.520	PASS
	Ant1	5580	20.520	5569.720	5590.240	PASS
	Ant2	5580	20.360	5569.920	5590.280	PASS
	Ant3	5580	20.200	5570.040	5590.240	PASS
	Ant4	5580	20.240	5569.960	5590.200	PASS
	Ant9	5580	20.440	5569.800	5590.240	PASS

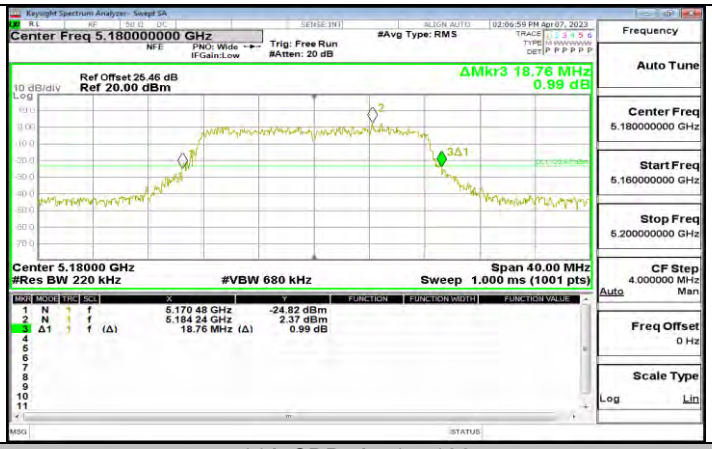
	Ant10	5580	19.920	5570.040	5589.960	PASS
	Ant15	5580	20.400	5569.920	5590.320	PASS
	Ant16	5580	21.040	5569.400	5590.440	PASS
	Ant1	5700	20.280	5689.920	5710.200	PASS
	Ant2	5700	20.080	5689.960	5710.040	PASS
	Ant3	5700	20.800	5689.560	5710.360	PASS
	Ant4	5700	20.320	5689.760	5710.080	PASS
	Ant9	5700	20.680	5689.880	5710.560	PASS
	Ant10	5700	20.800	5689.560	5710.360	PASS
	Ant15	5700	20.400	5689.600	5710.000	PASS
	Ant16	5700	20.400	5689.720	5710.120	PASS
	Ant1	5720	20.920	5709.480	5730.400	PASS
	Ant2	5720	20.440	5709.640	5730.080	PASS
	Ant3	5720	20.840	5709.840	5730.680	PASS
	Ant4	5720	19.840	5710.200	5730.040	PASS
	Ant9	5720	20.000	5709.800	5729.800	PASS
	Ant10	5720	21.400	5709.040	5730.440	PASS
	Ant15	5720	20.640	5709.840	5730.480	PASS
	Ant16	5720	20.720	5709.560	5730.280	PASS
	Ant1	5720_UNII-2C	15.52	5709.480	5725	PASS
	Ant2	5720_UNII-2C	15.36	5709.640	5725	PASS
	Ant3	5720_UNII-2C	15.16	5709.840	5725	PASS
	Ant4	5720_UNII-2C	14.8	5710.200	5725	PASS
	Ant9	5720_UNII-2C	15.2	5709.800	5725	PASS
	Ant10	5720_UNII-2C	15.96	5709.040	5725	PASS
	Ant15	5720_UNII-2C	15.16	5709.840	5725	PASS
	Ant16	5720_UNII-2C	15.44	5709.560	5725	PASS
	Ant1	5720_UNII-3	5.4	5725	5730.400	PASS
	Ant2	5720_UNII-3	5.08	5725	5730.080	PASS
	Ant3	5720_UNII-3	5.68	5725	5730.680	PASS
	Ant4	5720_UNII-3	5.04	5725	5730.040	PASS
	Ant9	5720_UNII-3	4.8	5725	5729.800	PASS
	Ant10	5720_UNII-3	5.44	5725	5730.440	PASS
	Ant15	5720_UNII-3	5.48	5725	5730.480	PASS
	Ant16	5720_UNII-3	5.28	5725	5730.280	PASS
	Ant1	5745	20.840	5734.400	5755.240	PASS
	Ant2	5745	20.520	5734.720	5755.240	PASS
	Ant3	5745	20.480	5734.840	5755.320	PASS
	Ant4	5745	20.240	5735.040	5755.280	PASS
	Ant9	5745	20.360	5734.840	5755.200	PASS
	Ant10	5745	20.120	5734.920	5755.040	PASS
	Ant15	5745	20.840	5734.840	5755.680	PASS
	Ant16	5745	20.120	5734.960	5755.080	PASS
	Ant1	5785	20.440	5774.800	5795.240	PASS
	Ant2	5785	20.920	5774.840	5795.760	PASS
	Ant3	5785	20.360	5774.640	5795.000	PASS
	Ant4	5785	20.360	5774.880	5795.240	PASS
	Ant9	5785	20.680	5774.880	5795.560	PASS
	Ant10	5785	20.080	5775.000	5795.080	PASS
	Ant15	5785	20.440	5774.640	5795.080	PASS
	Ant16	5785	20.360	5774.760	5795.120	PASS
	Ant1	5825	20.520	5814.600	5835.120	PASS
	Ant2	5825	20.280	5814.920	5835.200	PASS
	Ant3	5825	20.280	5814.760	5835.040	PASS
	Ant4	5825	20.480	5814.760	5835.240	PASS
	Ant9	5825	20.920	5814.760	5835.680	PASS
	Ant10	5825	20.520	5814.760	5835.280	PASS
	Ant15	5825	21.080	5814.360	5835.440	PASS
	Ant16	5825	20.200	5814.800	5835.000	PASS
11AX40MIMO	Ant1	5190	39.200	5170.480	5209.680	PASS
	Ant2	5190	40.080	5170.080	5210.160	PASS
	Ant3	5190	39.680	5170.080	5209.760	PASS
	Ant4	5190	39.920	5170.240	5210.160	PASS

	Ant9	5190	39.600	5170.480	5210.080	PASS
	Ant10	5190	39.520	5170.480	5210.000	PASS
	Ant15	5190	40.080	5170.080	5210.160	PASS
	Ant16	5190	39.920	5170.240	5210.160	PASS
	Ant1	5230	39.600	5210.000	5249.600	PASS
	Ant2	5230	40.400	5210.080	5250.480	PASS
	Ant3	5230	39.840	5210.080	5249.920	PASS
	Ant4	5230	40.160	5209.920	5250.080	PASS
	Ant9	5230	39.840	5210.480	5250.320	PASS
	Ant10	5230	40.240	5209.680	5249.920	PASS
	Ant15	5230	40.160	5210.080	5250.240	PASS
	Ant16	5230	40.320	5209.920	5250.240	PASS
	Ant1	5270	40.160	5250.240	5290.400	PASS
	Ant2	5270	39.840	5250.240	5290.080	PASS
	Ant3	5270	39.440	5250.480	5289.920	PASS
	Ant4	5270	40.880	5249.600	5290.480	PASS
	Ant9	5270	40.720	5249.360	5290.080	PASS
	Ant10	5270	40.000	5250.240	5290.240	PASS
	Ant15	5270	39.200	5250.480	5289.680	PASS
	Ant16	5270	39.680	5249.920	5289.600	PASS
	Ant1	5310	39.840	5290.240	5330.080	PASS
	Ant2	5310	39.920	5289.680	5329.600	PASS
	Ant3	5310	39.920	5290.080	5330.000	PASS
	Ant4	5310	40.480	5289.920	5330.400	PASS
	Ant9	5310	39.760	5290.000	5329.760	PASS
	Ant10	5310	39.600	5290.400	5330.000	PASS
	Ant15	5310	40.240	5289.760	5330.000	PASS
	Ant16	5310	40.320	5289.920	5330.240	PASS
	Ant1	5510	39.600	5490.080	5529.680	PASS
	Ant2	5510	39.520	5490.240	5529.760	PASS
	Ant3	5510	40.320	5489.520	5529.840	PASS
	Ant4	5510	40.320	5489.680	5530.000	PASS
	Ant9	5510	40.160	5490.080	5530.240	PASS
	Ant10	5510	39.520	5490.240	5529.760	PASS
	Ant15	5510	39.600	5490.320	5529.920	PASS
	Ant16	5510	39.360	5490.400	5529.760	PASS
	Ant1	5550	39.520	5530.240	5569.760	PASS
	Ant2	5550	39.280	5530.480	5569.760	PASS
	Ant3	5550	40.320	5529.600	5569.920	PASS
	Ant4	5550	40.160	5530.320	5570.480	PASS
	Ant9	5550	39.520	5530.400	5569.920	PASS
	Ant10	5550	40.480	5529.840	5570.320	PASS
	Ant15	5550	39.520	5530.240	5569.760	PASS
	Ant16	5550	39.760	5530.080	5569.840	PASS
	Ant1	5670	39.360	5650.480	5689.840	PASS
	Ant2	5670	39.520	5650.400	5689.920	PASS
	Ant3	5670	40.560	5649.440	5690.000	PASS
	Ant4	5670	39.920	5650.320	5690.240	PASS
	Ant9	5670	40.240	5650.320	5690.560	PASS
	Ant10	5670	39.360	5650.320	5689.680	PASS
	Ant15	5670	39.760	5650.320	5690.080	PASS
	Ant16	5670	39.760	5650.080	5689.840	PASS
	Ant1	5710	40.000	5689.920	5729.920	PASS
	Ant2	5710	40.160	5689.920	5730.080	PASS
	Ant3	5710	39.600	5690.320	5729.920	PASS
	Ant4	5710	40.080	5689.840	5729.920	PASS
	Ant9	5710	40.080	5690.160	5730.240	PASS
	Ant10	5710	39.120	5690.480	5729.600	PASS
	Ant15	5710	39.520	5690.400	5729.920	PASS
	Ant16	5710	39.840	5690.160	5730.000	PASS
	Ant1	5710_UNII-2C	35.08	5689.920	5725	PASS
	Ant2	5710_UNII-2C	35.08	5689.920	5725	PASS
	Ant3	5710_UNII-2C	34.68	5690.320	5725	PASS

	Ant4	5710_UNII-2C	35.16	5689.840	5725	PASS
	Ant9	5710_UNII-2C	34.84	5690.160	5725	PASS
	Ant10	5710_UNII-2C	34.52	5690.480	5725	PASS
	Ant15	5710_UNII-2C	34.6	5690.400	5725	PASS
	Ant16	5710_UNII-2C	34.84	5690.160	5725	PASS
	Ant1	5710_UNII-3	4.92	5725	5729.920	PASS
	Ant2	5710_UNII-3	5.08	5725	5730.080	PASS
	Ant3	5710_UNII-3	4.92	5725	5729.920	PASS
	Ant4	5710_UNII-3	4.92	5725	5729.920	PASS
	Ant9	5710_UNII-3	5.24	5725	5730.240	PASS
	Ant10	5710_UNII-3	4.6	5725	5729.600	PASS
	Ant15	5710_UNII-3	4.92	5725	5729.920	PASS
	Ant16	5710_UNII-3	5	5725	5730.000	PASS
	Ant1	5755	40.160	5734.840	5775.000	PASS
	Ant2	5755	39.600	5735.240	5774.840	PASS
	Ant3	5755	39.920	5735.320	5775.240	PASS
	Ant4	5755	40.080	5735.240	5775.320	PASS
	Ant9	5755	40.480	5734.840	5775.320	PASS
	Ant10	5755	39.680	5735.080	5774.760	PASS
	Ant15	5755	40.080	5734.920	5775.000	PASS
	Ant16	5755	40.800	5734.120	5774.920	PASS
	Ant1	5795	40.160	5775.160	5815.320	PASS
	Ant2	5795	40.720	5774.520	5815.240	PASS
	Ant3	5795	40.480	5775.000	5815.480	PASS
	Ant4	5795	39.600	5775.000	5814.600	PASS
	Ant9	5795	40.080	5775.080	5815.160	PASS
	Ant10	5795	40.160	5775.400	5815.560	PASS
	Ant15	5795	40.720	5774.680	5815.400	PASS
	Ant16	5795	39.760	5775.080	5814.840	PASS
11AX80MIMO	Ant1	5210	80.800	5170.000	5250.800	PASS
	Ant2	5210	81.120	5169.520	5250.640	PASS
	Ant3	5210	81.120	5169.040	5250.160	PASS
	Ant4	5210	80.320	5170.160	5250.480	PASS
	Ant9	5210	80.320	5169.840	5250.160	PASS
	Ant10	5210	81.920	5169.680	5251.600	PASS
	Ant15	5210	80.480	5170.000	5250.480	PASS
	Ant16	5210	81.280	5170.160	5251.440	PASS
	Ant1	5290	81.280	5249.360	5330.640	PASS
	Ant2	5290	81.120	5249.520	5330.640	PASS
	Ant3	5290	80.480	5249.840	5330.320	PASS
	Ant4	5290	80.800	5249.520	5330.320	PASS
	Ant9	5290	80.960	5249.680	5330.640	PASS
	Ant10	5290	81.280	5249.840	5331.120	PASS
	Ant15	5290	80.640	5249.520	5330.160	PASS
	Ant16	5290	81.440	5249.520	5330.960	PASS
	Ant1	5530	81.280	5489.200	5570.480	PASS
	Ant2	5530	80.960	5489.680	5570.640	PASS
	Ant3	5530	82.080	5490.160	5572.240	PASS
	Ant4	5530	116.000	5490.160	5606.160	PASS
	Ant9	5530	80.960	5489.840	5570.800	PASS
	Ant10	5530	79.840	5490.160	5570.000	PASS
	Ant15	5530	80.320	5489.840	5570.160	PASS
	Ant16	5530	80.160	5490.160	5570.320	PASS
	Ant1	5610	81.920	5568.880	5650.800	PASS
	Ant2	5610	80.800	5569.200	5650.000	PASS
	Ant3	5610	80.640	5569.520	5650.160	PASS
	Ant4	5610	81.440	5569.680	5651.120	PASS
	Ant9	5610	80.160	5570.000	5650.160	PASS
	Ant10	5610	81.440	5569.200	5650.640	PASS
	Ant15	5610	81.120	5569.360	5650.480	PASS
	Ant16	5610	81.280	5568.880	5650.160	PASS
	Ant1	5690	80.000	5650.000	5730.000	PASS
	Ant2	5690	80.160	5649.840	5730.000	PASS

	Ant3	5690	80.000	5649.680	5729.680	PASS
	Ant4	5690	81.280	5649.520	5730.800	PASS
	Ant9	5690	80.320	5649.680	5730.000	PASS
	Ant10	5690	80.800	5649.200	5730.000	PASS
	Ant15	5690	81.280	5648.720	5730.000	PASS
	Ant16	5690	80.960	5649.360	5730.320	PASS
	Ant1	5690_UNII-2C	75	5650.000	5725	PASS
	Ant2	5690_UNII-2C	75.16	5649.840	5725	PASS
	Ant3	5690_UNII-2C	75.32	5649.680	5725	PASS
	Ant4	5690_UNII-2C	75.48	5649.520	5725	PASS
	Ant9	5690_UNII-2C	75.32	5649.680	5725	PASS
	Ant10	5690_UNII-2C	75.8	5649.200	5725	PASS
	Ant15	5690_UNII-2C	76.28	5648.720	5725	PASS
	Ant16	5690_UNII-2C	75.64	5649.360	5725	PASS
	Ant1	5690_UNII-3	5	5725	5730.000	PASS
	Ant2	5690_UNII-3	5	5725	5730.000	PASS
	Ant3	5690_UNII-3	4.68	5725	5729.680	PASS
	Ant4	5690_UNII-3	5.8	5725	5730.800	PASS
	Ant9	5690_UNII-3	5	5725	5730.000	PASS
	Ant10	5690_UNII-3	5	5725	5730.000	PASS
	Ant15	5690_UNII-3	5	5725	5730.000	PASS
	Ant16	5690_UNII-3	5.32	5725	5730.320	PASS
	Ant1	5775	80.160	5734.680	5814.840	PASS
	Ant2	5775	79.840	5735.000	5814.840	PASS
	Ant3	5775	80.160	5734.680	5814.840	PASS
	Ant4	5775	80.960	5734.360	5815.320	PASS
	Ant9	5775	80.000	5734.840	5814.840	PASS
	Ant10	5775	80.960	5734.040	5815.000	PASS
	Ant15	5775	81.600	5733.720	5815.320	PASS
	Ant16	5775	81.920	5733.560	5815.480	PASS
11AX80+80 MIMO	Ant1	5210	81.440	5169.360	5250.800	PASS
	Ant2	5210	81.760	5169.520	5251.280	PASS
	Ant3	5210	81.760	5169.520	5251.280	PASS
	Ant4	5210	80.800	5169.680	5250.480	PASS
	Ant9	5290	81.600	5249.200	5330.800	PASS
	Ant10	5290	81.760	5249.360	5331.120	PASS
	Ant15	5290	81.280	5249.520	5330.800	PASS
	Ant16	5290	81.280	5249.200	5330.480	PASS
11AX80+80 MIMO	Ant1	5530	81.760	5489.040	5570.800	PASS
	Ant2	5530	81.120	5489.360	5570.480	PASS
	Ant3	5530	81.760	5489.200	5570.960	PASS
	Ant4	5530	81.280	5489.200	5570.480	PASS
	Ant9	5610	81.440	5569.680	5651.120	PASS
	Ant10	5610	81.600	5569.040	5650.640	PASS
	Ant15	5610	81.280	5569.520	5650.800	PASS
	Ant16	5610	81.280	5569.360	5650.640	PASS

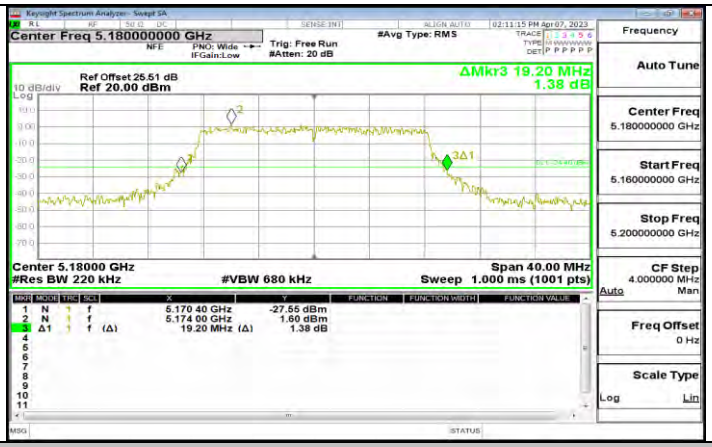
11.1.2. NSS=1 Test Graphs



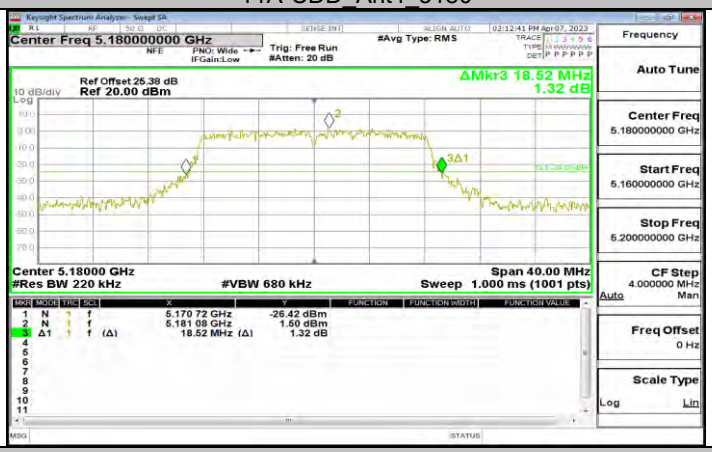
11A-CDD_Ant1_5180

11A-CDD_Ant2_5180

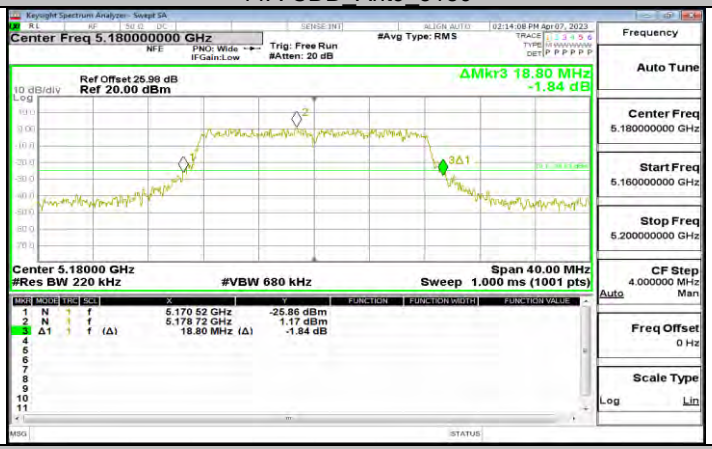
11A-CDD_Ant3_5180



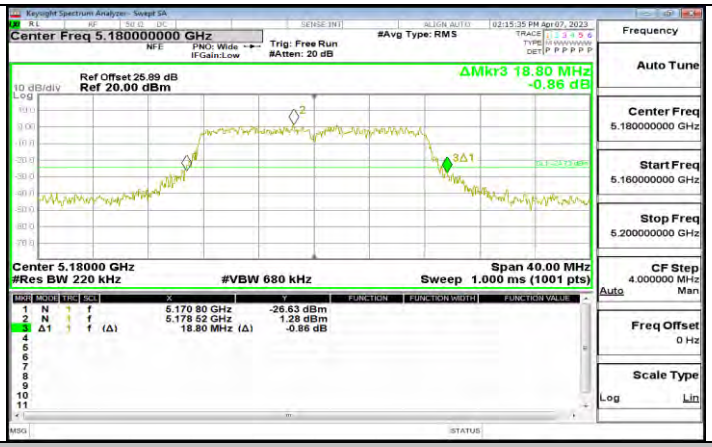
11A-CDD_Ant4_5180



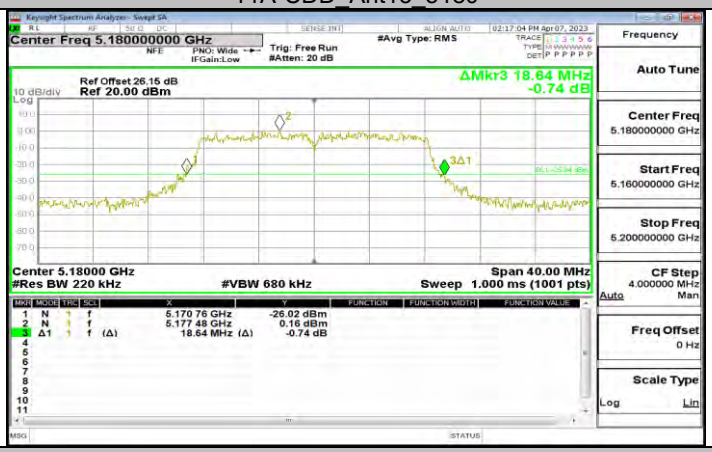
11A-CDD_Ant9_5180



11A-CDD_Ant10_5180

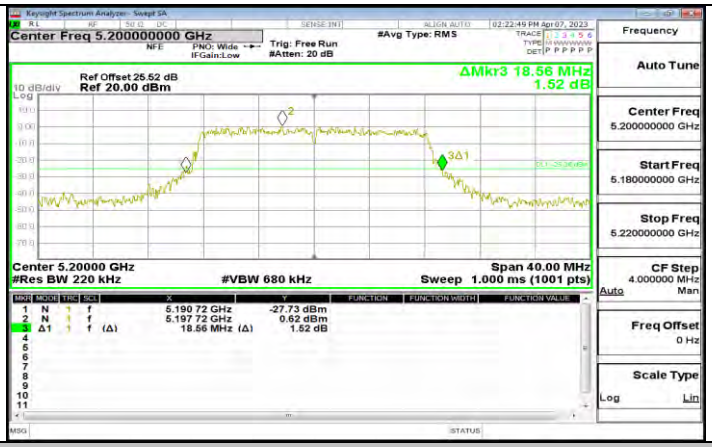


11A-CDD_Ant15_5180

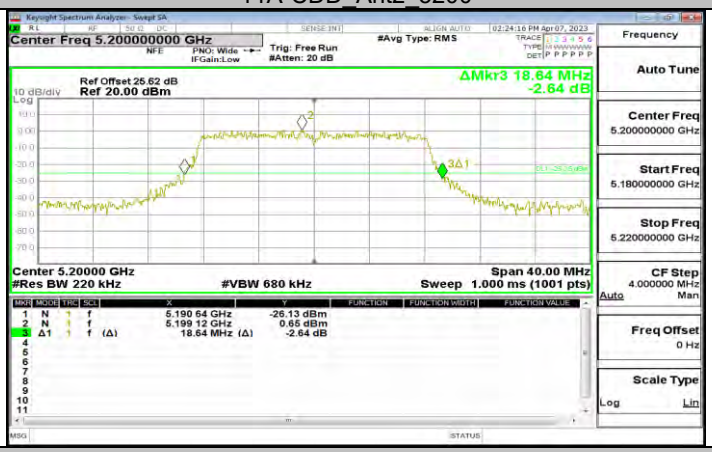


11A-CDD_Ant16_5180

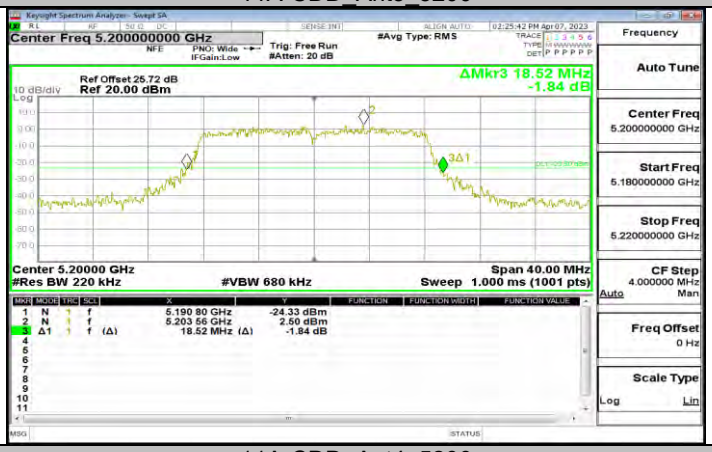
11A-CDD_Ant1_5200



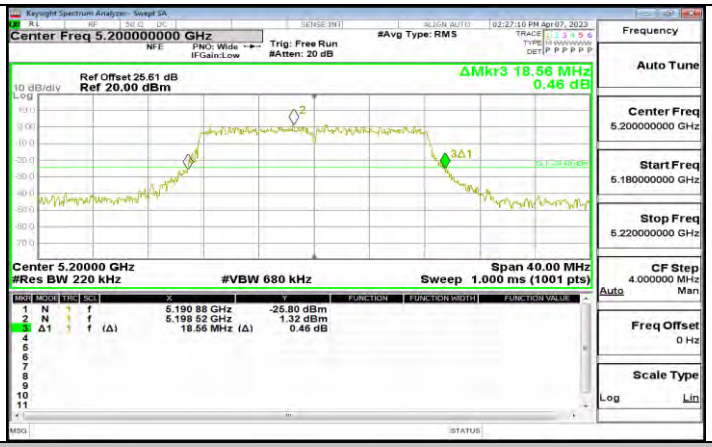
11A-CDD_Ant2_5200



11A-CDD_Ant3_5200

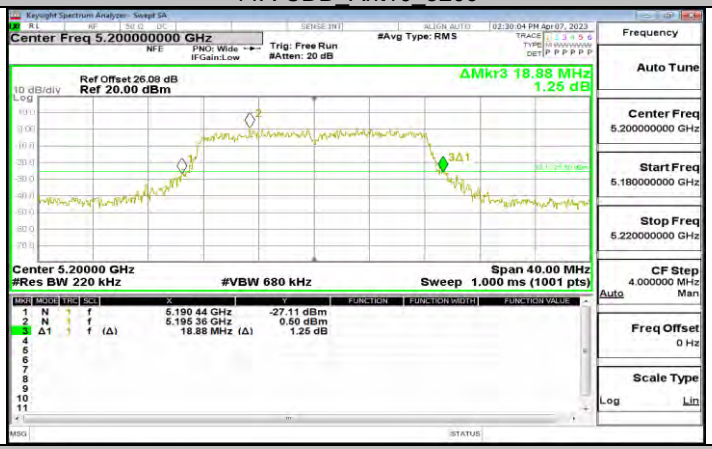


11A-CDD_Ant4_5200



11A-CDD_Ant9_5200

11A-CDD_Ant10_5200



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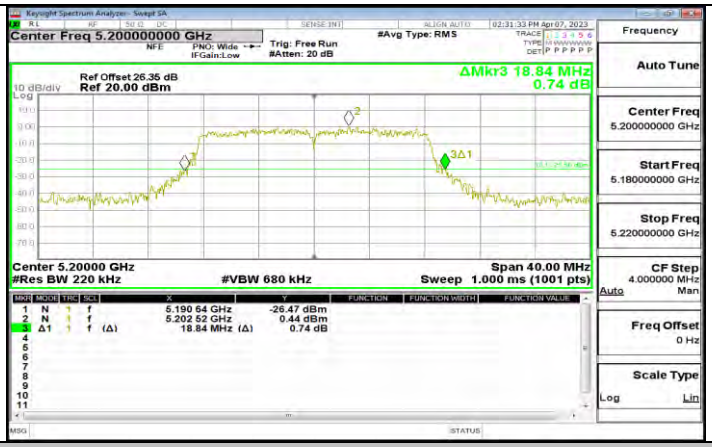
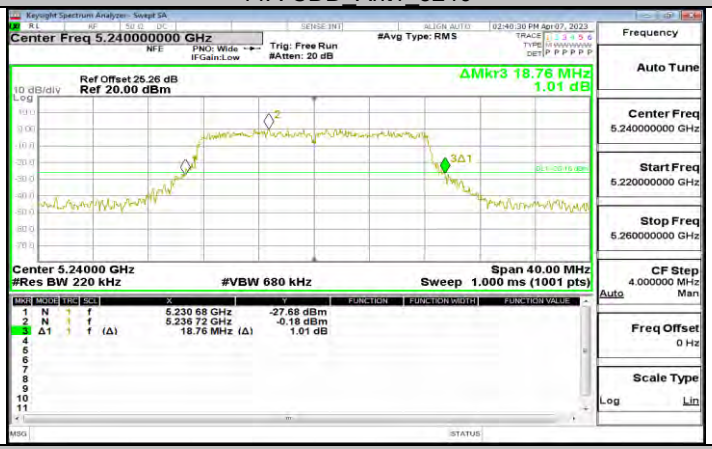
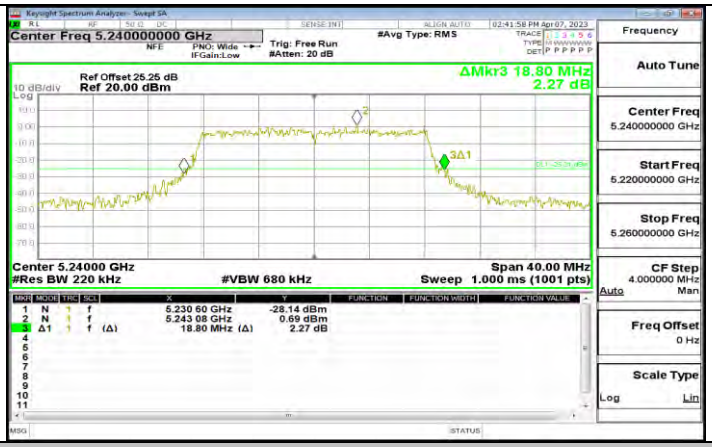


11A-CDD_Ant16_5200

11A-CDD_Ant1_5240



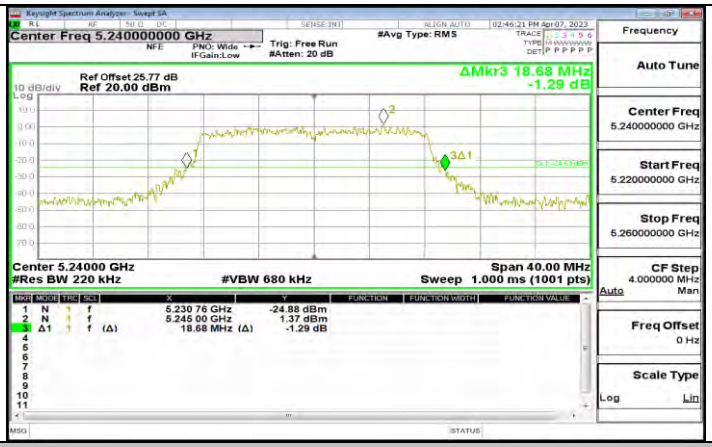
11A-CDD_Ant2_5240



11A-CDD_Ant3_5240

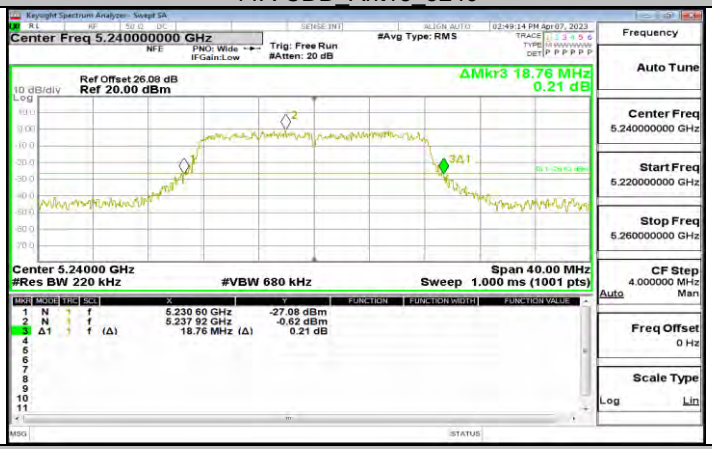
11A-CDD_Ant4_5240

11A-CDD_Ant9_5240

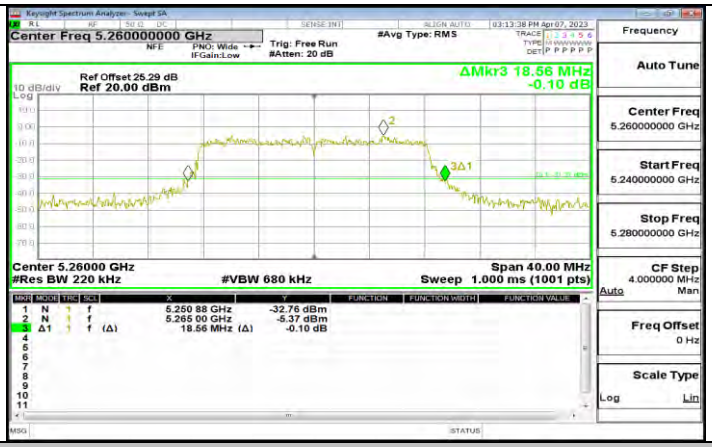


11A-CDD_Ant10_5240

11A-CDD_Ant15_5240



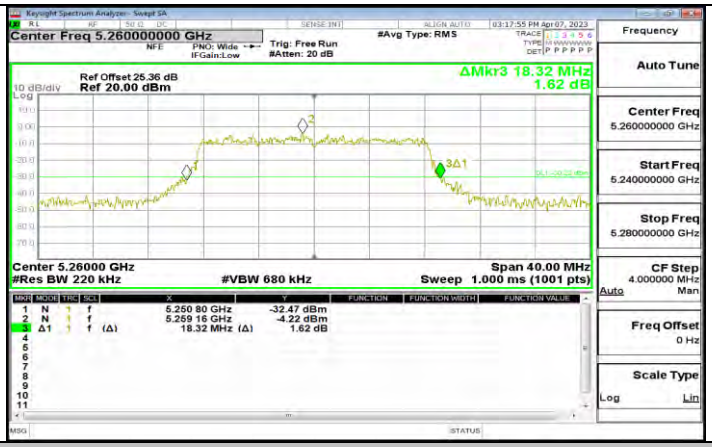
11A-CDD_Ant16_5240



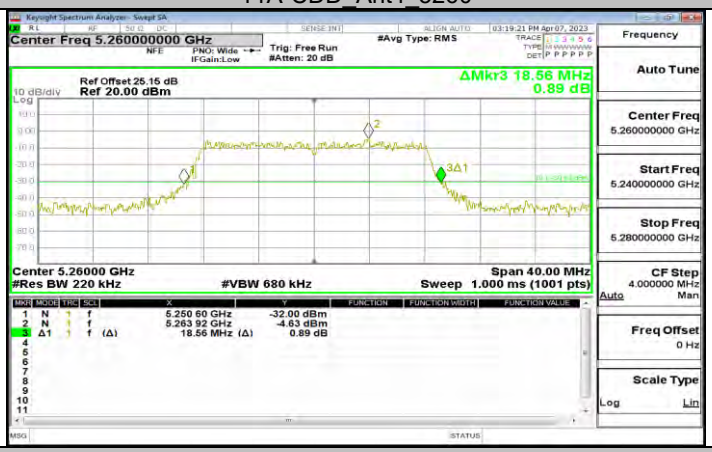
11A-CDD_Ant1_5260

11A-CDD_Ant2_5260

11A-CDD_Ant3_5260



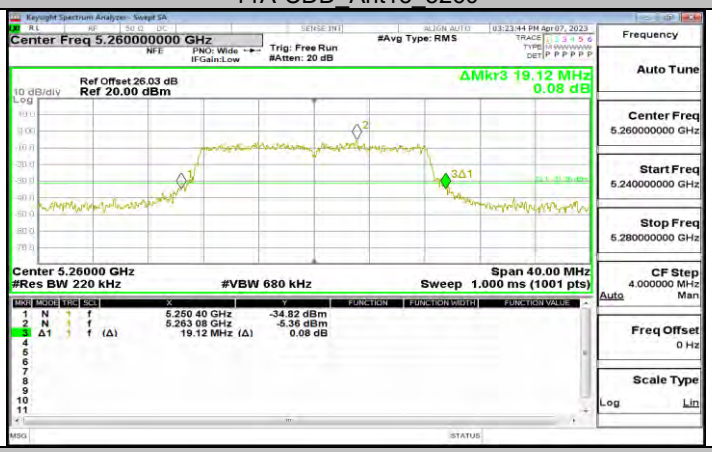
11A-CDD_Ant4_5260



11A-CDD_Ant9_5260

11A-CDD_Ant10_5260

11A-CDD_Ant15_5260



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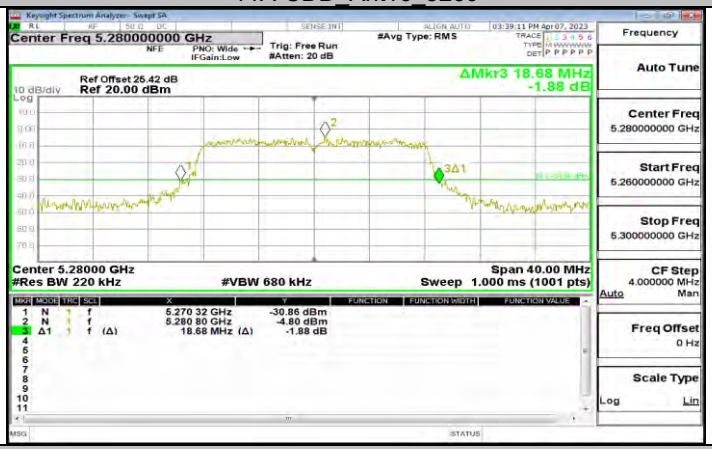
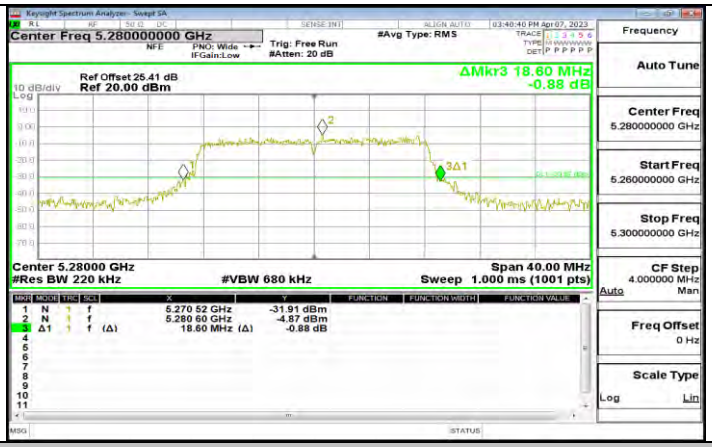
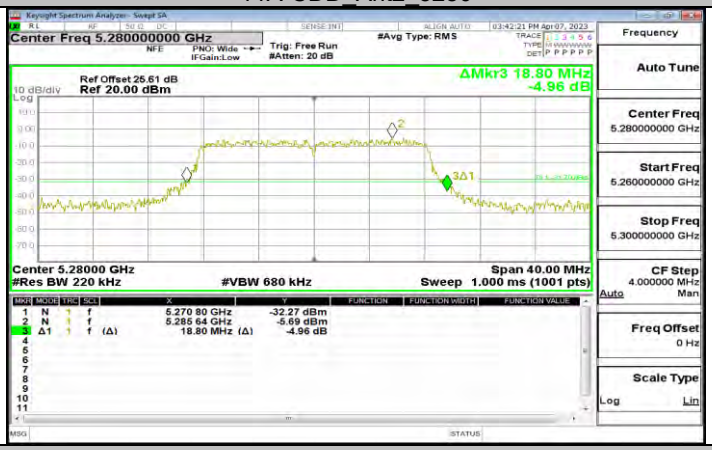


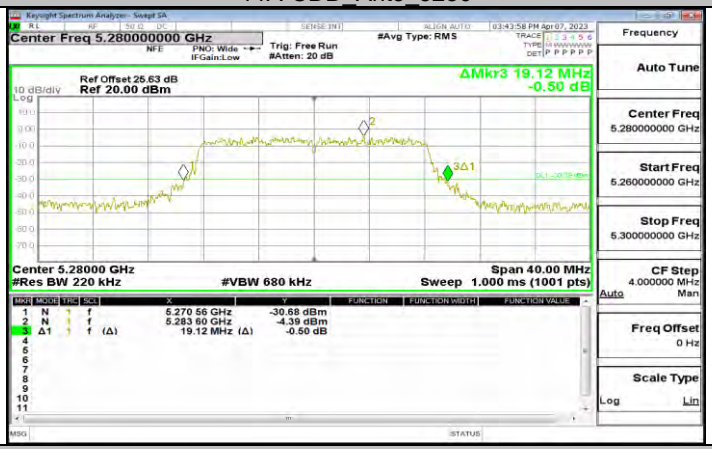
11A-CDD_Ant1_5280



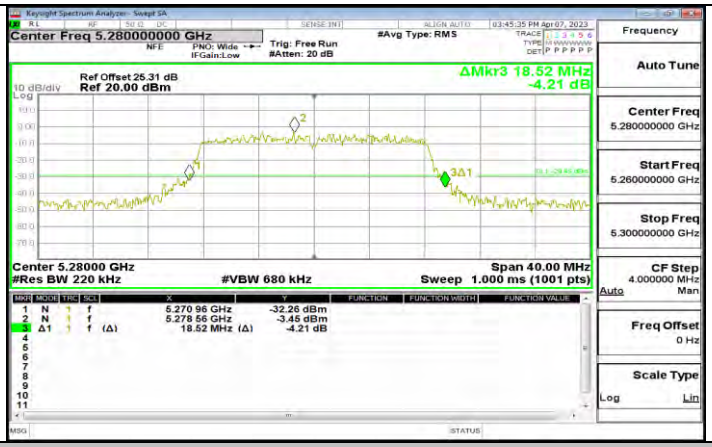
11A-CDD_Ant2_5280



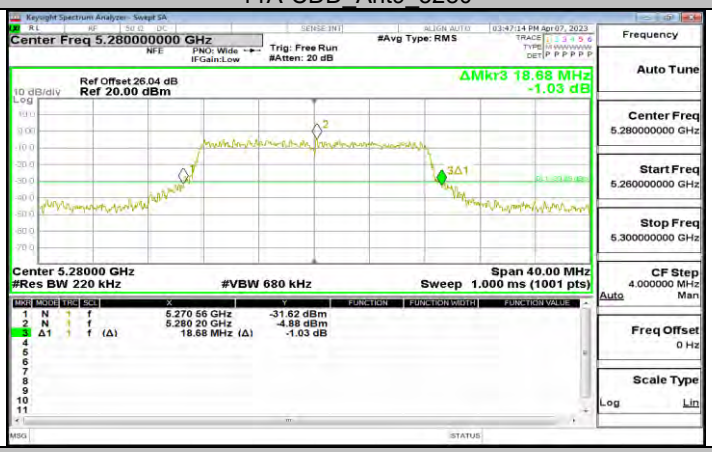
11A-CDD_Ant3_5280



11A-CDD_Ant4_5280



11A-CDD_Ant9_5280



11A-CDD_Ant10_5280

11A-CDD_Ant15_5280