

CFR 47 FCC PART 15 SUBPART E

TEST REPORT

For

DJI Neo 2

MODEL NUMBER: DEN225

REPORT NUMBER: 4791807217-1-RF-3

ISSUE DATE: June 27, 2025

FCC ID: SS3-DEN225

Prepared for

SZ DJI TECHNOLOGY CO., LTD.

**Lobby of T2, DJI Sky City, No 53 Xianyuan Road, Xili Community, Xili Street,
Nanshan District, Shenzhen, China**

Prepared by

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch

**Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan,
Guangdong, China**

Tel: +86 769 22038881

Fax: +86 769 33244054

Website: www.ul.com

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	June 27, 2025	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)	N/A
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 <Simple Acceptance> decision rule is applied.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: SZ DJI TECHNOLOGY CO., LTD.
Address: Lobby of T2, DJI Sky City, No 53 Xianyuan Road, Xili Community, Xili Street, Nanshan District, Shenzhen, China

Manufacturer Information

Company Name: SZ DJI TECHNOLOGY CO., LTD.
Address: Lobby of T2, DJI Sky City, No 53 Xianyuan Road, Xili Community, Xili Street, Nanshan District, Shenzhen, China

EUT Information

EUT Name: DJI Neo 2
Model: DEN225
Brand: DJI
Sample Received Date: May 26, 2025
Sample Status: Normal
Sample ID: 8510078
Date of Tested: June 4, 2025 to June 27, 2025

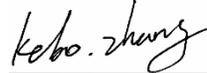
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART E	Pass

Prepared By:



Johnson Liu
Laboratory Engineer

Checked By:



Kebo Zhang
Operations Leader

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, RSS-GEN Issue 5, KDB 414788 D01 Radiated Test Site v01r01, 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 and KDB 905462 D06 802 11 Channel Plans New Rules v02.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p>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.</p> <p>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.</p> <p>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.</p>
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Note 1:

All tests measurement facilities use to collect the measurement data are located at Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, China.

Note 2:

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

Note 3:

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

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

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

4.2. MEASUREMENT UNCERTAINTY

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

Test Item	Uncertainty
Conduction emission	3.62 dB
Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz)	2.2 dB
Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz)	4.00 dB
Radiated Emission (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%
Dynamic Frequency Selection	±1.01 dB
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	DJI Neo 2
Model	DEN225

Frequency Range:	5 745 MHz to 5 825 MHz
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: OFDM(1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Radio Technology:	IEEE 802.11a/n HT20/n HT40/ac VHT20/ac VHT40/ac VHT80/ax HE20/ax HE40/ax HE80
Battery	DC 7.16V
Power Supply	DC 7.16V

Note: All power supply modes have been pre-scanned, only the worst data was recorded in the report.

5.2. CHANNEL LIST

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 POWER

IEEE Std. 802.11	Frequency (MHz)	Maximum Average Conducted Power (dBm)
a	5725 ~ 5850	20.43
n HT20		23.81
n HT40		21.51
ac VHT80		17.50
ax HE20		23.26
ax HE40		21.52
ax HE80		16.90

5.4. TEST CHANNEL CONFIGURATION

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
802.11n HT20	CH 149(Low Channel), CH 157(MID Channel), CH 165(High Channel)	5745 MHz, 5785 MHz, 5825 MHz
802.11n HT40	CH 151(Low Channel), CH 159(High Channel)	5755MHz, 5795MHz
802.11ac VHT80	CH 155(Low Channel)	5775 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

5.5. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter	
Test Software	DjiSdrConsole-v2.9.5

Mode	Freq(MHz)	Tx power Setting	
		ANT0	ANT1
802.11a	5745	15	15
	5785	15	15
	5825	15	15
802.11n 20M	5745	14	
	5785	15	
	5825	15	
802.11n 40M	5755	11	
	5795	13	
802.11ac 80M	5775	9	
802.11ax 20M	5745	15	
	5785	16	
	5825	15	
802.11ax 40M	5755	12	
	5795	14	
802.11ax 80M	5775	9	

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 mode: 6 Mbps

802.11n HT20 mode: MCS0

802.11n HT40 mode: MCS0

802.11ac VHT20 mode: MCS0

802.11ac VHT40 mode: MCS0

802.11ac VHT80 mode: MCS0

802.11ax HE20 mode: MCS0

802.11ax HE40 mode: MCS0

802.11ax HE80 mode: MCS0

802.11a only support SISO mode.

802.11n HT20/HT40/ac VHT20/VHT40/VHT80/ax HE20/HE40/HE80 support SISO and MIMO mode.

802.11a SISO mode, Antenna 0 and Antenna 1 has the same power setting, so only Antenna 1 worst case test data were recorded in the report.

802.11n/ac/ax SISO mode and MIMO mode have the same power setting, so only the worst case power mode(MIMO) will be record in the report.

802.11ax mode only supports full RU mode.

802.11ac VHT20 and VHT40 mode are different from 802.11nHT20 and HT40 only in control messages, so for these 4 modes, only 802.11n HT20 and 802.11n HT40 worst case power modes radiated emission test data are recorded in the report .

The EUT has 2 separate antennas which correspond to 2 separate antenna ports. Core 1 and Core 2 correspond to antenna 0 and antenna 1 respectively.

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

Conducted output power, power spectral density tests separately on each port with all supported SISO & MIMO port combinations.

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

5.6. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna No.	Frequency Band	Antenna Type	Max Antenna Gain (dBi)
0	5150-5850	Dipole Antenna	4.20
1	5150-5850	Dipole Antenna	4.50

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 method.

For output power measurements:

Directional gain= $G_{ANT} + \text{Array Gain} = 4.20 \text{ dBi}$

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

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

For power spectral density (PSD) measurements:

Directional gain= $G_{ANT} + \text{Array Gain} = 7.51 \text{ dBi}$

Array Gain = $10 \log(N_{ANT}/N_{SS}) \text{ dB}$.

N_{ANT} : number of transmit antennas

N_{SS} : number of spatial streams, The worst case directional gain will occur when $N_{SS} = 1$

IEE Std. 802.11	Transmit and Receive Mode	Description
802.11a	☒2TX, 2RX	ANT 0 or ANT 1 can be used as transmitting/receiving antenna.
802.11n HT20	☒2TX, 2RX	ANT 0 and ANT 1 can be used as transmitting/receiving antenna.
802.11n HT40	☒2TX, 2RX	ANT 0 and ANT 1 can be used as transmitting/receiving antenna.
802.11ac VHT20	☒2TX, 2RX	ANT 0 and ANT 1 can be used as transmitting/receiving antenna.
802.11ac VHT40	☒2TX, 2RX	ANT 0 and ANT 1 can be used as transmitting/receiving antenna.
802.11ac VHT80	☒2TX, 2RX	ANT 0 and ANT 1 can be used as transmitting/receiving antenna.
802.11ax HE20	☒2TX, 2RX	ANT 0 and ANT 1 can be used as transmitting/receiving antenna.
802.11ax HE40	☒2TX, 2RX	ANT 0 and ANT 1 can be used as transmitting/receiving antenna.
802.11ax HE80	☒2TX, 2RX	ANT 0 and ANT 1 can be used as transmitting/receiving antenna.

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

5.7. SUPPORT UNITS FOR SYSTEM TEST

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remarks
1	Laptop	Lenovo	E14	/

I/O CABLES

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

ACCESSORIES

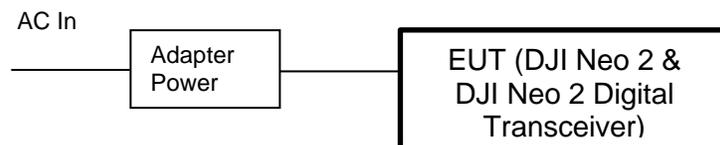
Item	Accessory	Brand Name	Model Name	Description
1	Lithium-ion Rechargeable Battery	DJI	BWXNN2-1606-7.16	Max Charge Voltage: 8.6V Normal Voltage: 7.16V
2	Adapter Power	DJI	PD-65CN	Input: AC 100 ~ 240 V, 50/60 Hz, 2.0 A Output: DC 5 V, 5 A/9 V, 5 A/12V, 5 A/15V, 4.3A/20V, 3.25A
3	DJI Neo 2 Digital Transceiver	DJI	DEP1	FCC ID: SS3-DEP125 IC: 11805A-DEP125

TEST SETUP

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

SETUP DIAGRAM FOR TESTS

For AC Power Line Conducted Emission Test:



For Others Test:



6. MEASURING EQUIPMENT AND SOFTWARE USED

R&S TS 8997 Test System					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
Power sensor, Power Meter	R&S	OSP120	100921	Dec.27,2024	Dec.26,2025
Vector Signal Generator	R&S	SMBV100A	261637	Sep.28, 2024	Sep.27, 2025
Signal Generator	R&S	SMB100A	178553	Sep.28, 2024	Sep.27, 2025
Signal Analyzer	R&S	FSV40	101118	Sep.28, 2024	Sep.27, 2025
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
Wireless Connectivity Tester	R&S	CMW270	1201.0002N75-102	Sep.13, 2024	Sep.12, 2025
PXA Signal Analyzer	Keysight	N9030A	MY55410512	Sep.28, 2024	Sep.27, 2025
MXG Vector Signal Generator	Keysight	N5182B	MY56200284	Sep.28, 2024	Sep.27, 2025
MXG Vector Signal Generator	Keysight	N5172B	MY56200301	Sep.28, 2024	Sep.27, 2025
DC power supply	Keysight	E3642A	MY55159130	Sep.28, 2024	Sep.27, 2025
Temperature & Humidity Chamber	SANMOOD	SG-80-CC-2	2088	Sep.28, 2024	Sep.27, 2025
Attenuator	Aglient	8495B	2814a12853	Sep.28, 2024	Sep.27, 2025
RF Control Unit	Tonscend	JS0806-2	23B80620666	Dec.27,2024	Dec.26,2025
Software					
Description	Manufacturer	Name		Version	
Tonsend SRD Test System	Tonsend	JS1120-3 RF Test System		V3.2.22	

Conducted Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
EMI Test Receiver	R&S	ESR3	101961	Sep.28, 2024	Sep.27, 2025
Two-Line V-Network	R&S	ENV216	101983	Sep.28, 2024	Sep.27, 2025
Artificial Mains Networks	Schwarzbeck	NSLK 8126	8126465	Sep.28, 2024	Sep.27, 2025
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	Sep.28, 2024	Sep.27, 2025
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130960	June 28, 2024	June.27 2027
Preamplifier	HP	8447D	2944A09099	Sep.28, 2024	Sep.27, 2025
EMI Measurement Receiver	R&S	ESR26	101377	Sep.28, 2024	Sep.27, 2025
Horn Antenna	TDK	HRN-0118	130940	Dec.10, 2024	Dec.11, 2027
Preamplifier	TDK	PA-02-0118	TRS-305-00067	Sep.28, 2024	Sep.27, 2025
Horn Antenna	Schwarzbeck	BBHA9170	697	Jun 30, 2024	Jun 29, 2027
Preamplifier	TDK	PA-02-2	TRS-307-00003	Sep.28, 2024	Sep.27, 2025
Preamplifier	TDK	PA-02-3	TRS-308-00002	Sep.28, 2024	Sep.27, 2025
Loop antenna	Schwarzbeck	1519B	00008	Dec.09, 2024	Dec.08, 2027
Highpass Filter	Wainwright	WHKX10-5850-6500-1800-40SS	4	Sep.28, 2024	Sep.27, 2025
Band Reject Filter	Wainwright	WRCJV12-5695-5725-5850-5880-40SS	4	Sep.28, 2024	Sep.27, 2025
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.8, 2024	Oct.7, 2025
Barometer	Yiyi	Baro	N/A	Oct.10, 2024	Oct.9, 2025
Attenuator	Agilent	8495B	2814a12853	Sep.28, 2024	Sep.27, 2025

7. ANTENNA PORT TEST RESULTS

7.1. ON TIME AND DUTY CYCLE

LIMITS

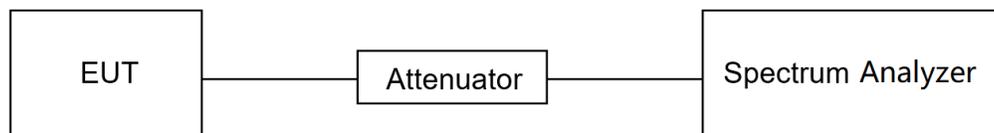
None; for reporting purposes only.

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 $RBW \geq EBW$ if possible; otherwise, set RBW to the largest available value. Set $VBW \geq RBW$. 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 $T \leq 16.7$ microseconds.)

TEST SETUP



TEST ENVIRONMENT

Temperature	23.5°C	Relative Humidity	60%
Atmosphere Pressure	101kPa	Test Voltage	DC 7.16V

TEST DATE / ENGINEER

Test Date	June 11, 2025	Test By	Bairong Liu
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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.	5470 ~ 5725 (For FCC) 5470 ~ 5600 (For ISSED) 5650 ~ 5725 (For ISSED)
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 ISSED)

TEST PROCEDURE

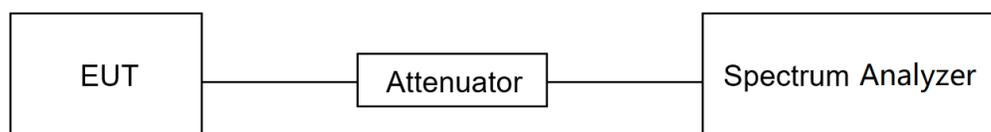
Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.C1. for 26 dB Emission Bandwidth; section II.C2. for 6 dB Emission Bandwidth; section II.D. for 99 % Occupied Bandwidth.

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: $\geq 3 \times \text{RBW}$ For 26 dB Bandwidth: $>3 \times \text{RBW}$ For 99 % Bandwidth: $>3 \times \text{RBW}$
Trace	Max hold
Sweep	Auto couple

- Use the 99 % power bandwidth function of the instrument, allow the trace to stabilize and report the measured bandwidth.
- 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.

TEST SETUP



TEST ENVIRONMENT

Temperature	23.5°C	Relative Humidity	60%
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Atmosphere Pressure	101kPa	Test Voltage	DC 7.16V
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TEST DATE / ENGINEER

Test Date	June 11, 2025	Test By	Bairong Liu
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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	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 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:

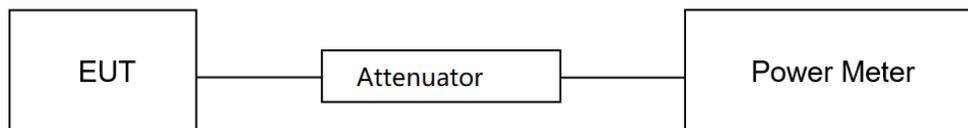
- a. The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
- b. At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
- c. The integration period of the power meter exceeds the repetition period of the transmitted signal 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 %).

TEST SETUP



TEST ENVIRONMENT

Temperature	23.5°C	Relative Humidity	60%
Atmosphere Pressure	101kPa	Test Voltage	DC 7.16V

TEST DATE / ENGINEER

Test Date	June 11, 2025	Test By	Bairong Liu
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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	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 analyzer and use the following settings:

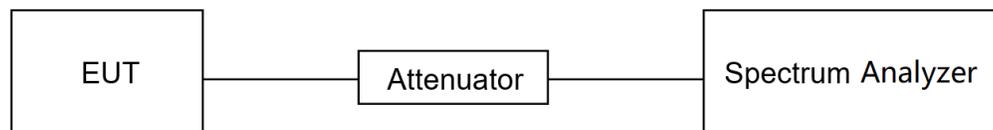
For U-NII-3:

Center Frequency	The center frequency of the channel under test
Detector	RMS
RBW	500 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Average
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	23.5°C	Relative Humidity	60%
Atmosphere Pressure	101kPa	Test Voltage	DC 7.16V

TEST DATE / ENGINEER

Test Date	June 11, 2025	Test By	Bairong Liu
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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 analyzer and use the following settings:

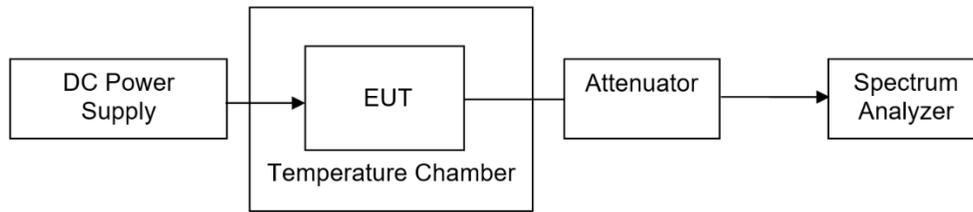
Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	10 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

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, 5 minutes, 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): 23.5 °C	T _L (Low Temperature): 0 °C
		T _H (High Temperature): 40 °C
Supply Voltage	V _N (Normal Voltage): DC 7.16V	V _L (Low Voltage): DC 6.086 V
		V _H (High Voltage): DC 8.234 V

TEST SETUP



TEST ENVIRONMENT

Temperature	23.5°C	Relative Humidity	60%
Atmosphere Pressure	101kPa	Test Voltage	DC 7.16V

TEST DATE / ENGINEER

Test Date	June 11, 2025	Test By	Bairong Liu
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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: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6c

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1GHz)		
Frequency Range (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 analyzer

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

Sweep	Auto
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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 analyzer

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

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

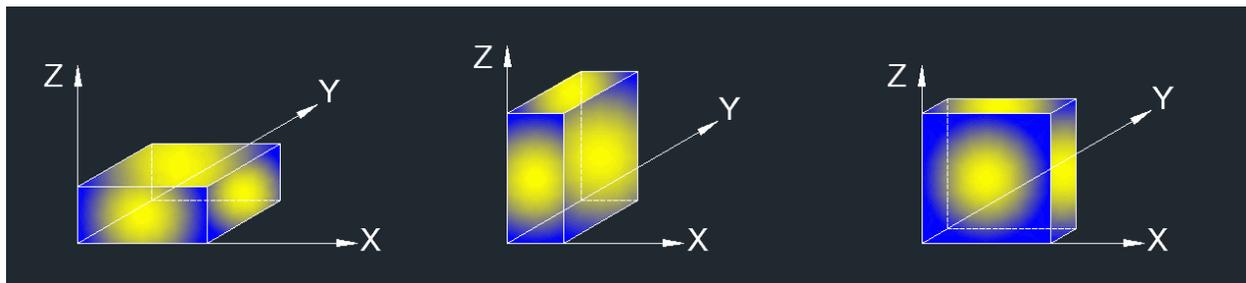
Above 1 GHz

The setting of the spectrum analyzer

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

1. The testing follows the guidelines in 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.

For Restricted Bandedge:

Note:

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

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

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
4. All modes have been tested, but only the worst data was recorded in the report.
5. dBuA/m= dBuV/m- 20Log10[120π] = dBuV/m- 51.5

For Radiate Spurious Emission (30 MHz ~ 1 GHz):

Note:

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

For Radiate Spurious Emission (1 GHz ~ 7 GHz):

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.1.
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 -27 dBm/MHz (68.2 dBuV/m) limit.
9. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious Emission (7 GHz ~ 18 GHz):

Note:

1. Peak Result = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: $VBW=1/T_{on}$, where: T_{on} 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 -27 dBm/MHz (68.2 dBuV/m) limit.
9. All modes have been tested, but only the worst data was recorded in the report.

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

Note:

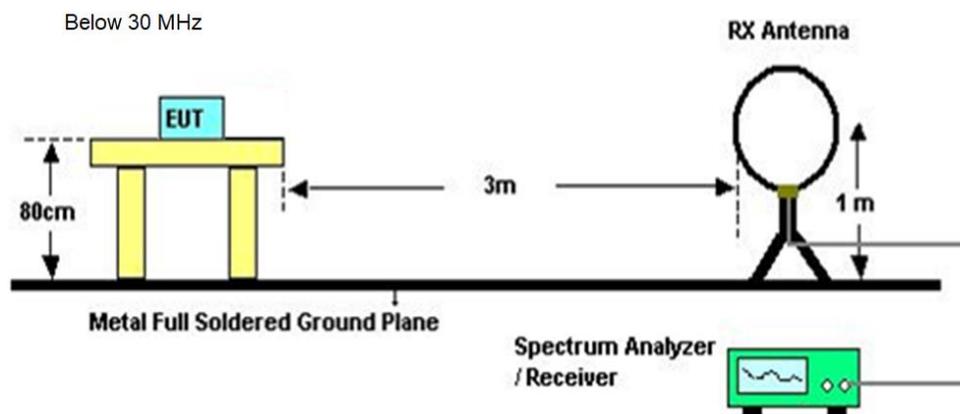
1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (26 GHz ~ 40 GHz):

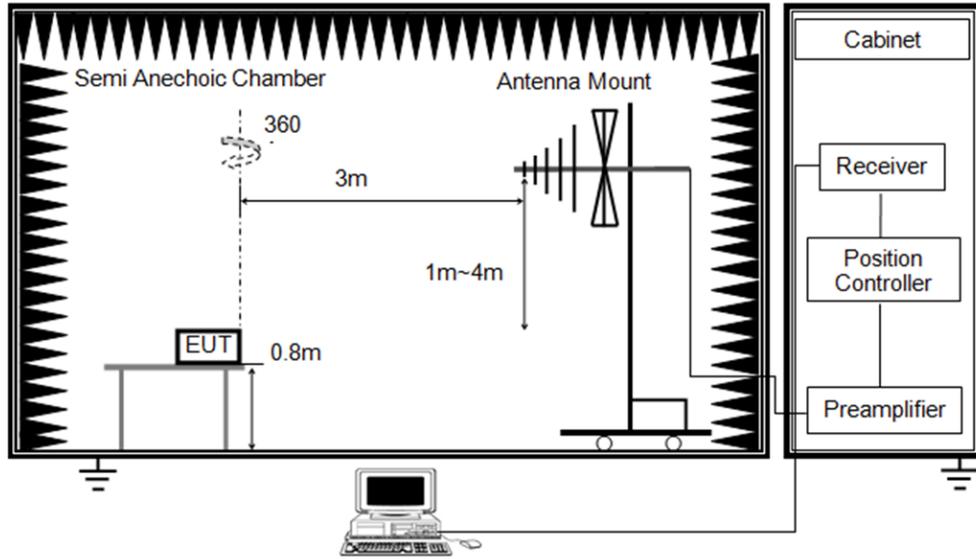
Note:

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

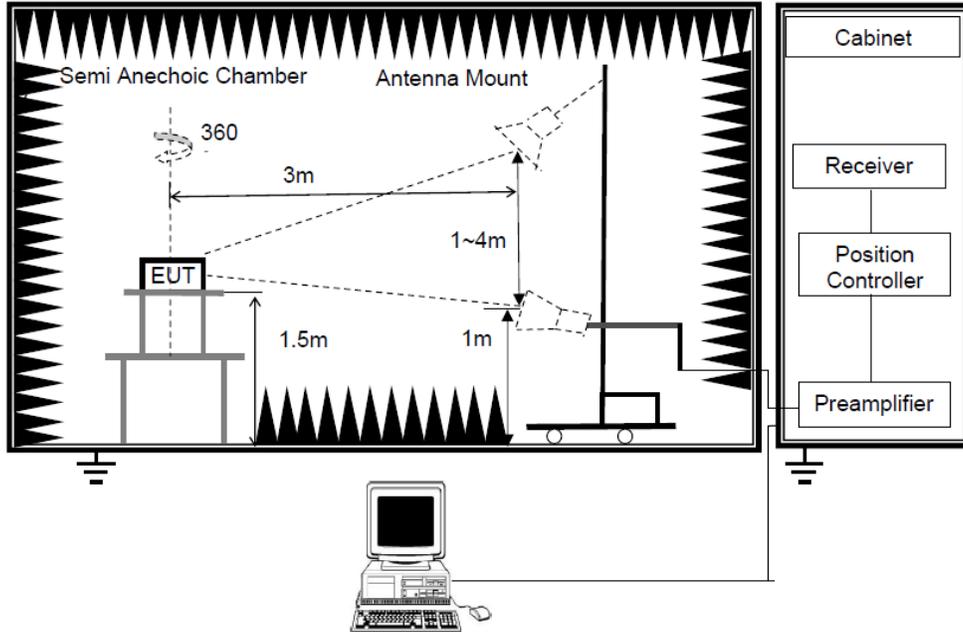
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1GHz



TEST ENVIRONMENT

Temperature	21.5°C	Relative Humidity	59.6%
Atmosphere Pressure	101kPa	Test Voltage	

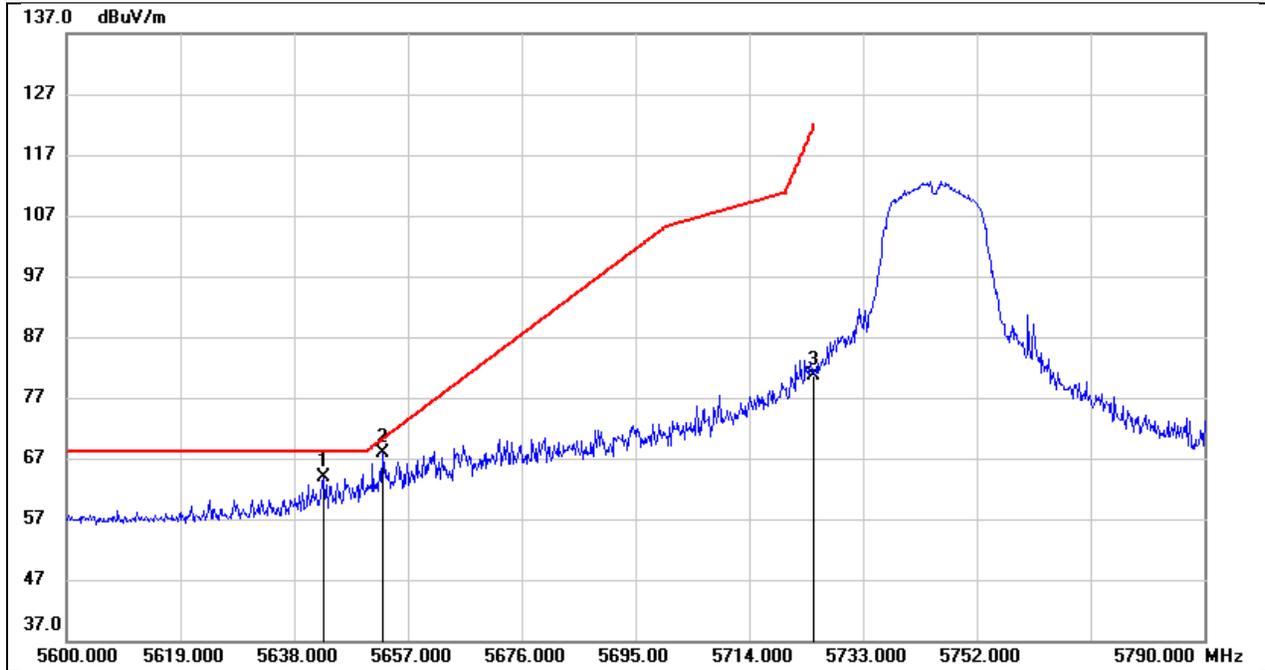
TEST DATE / ENGINEER

Test Date	June 27, 2025	Test By	Mason Wang
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TEST RESULTS

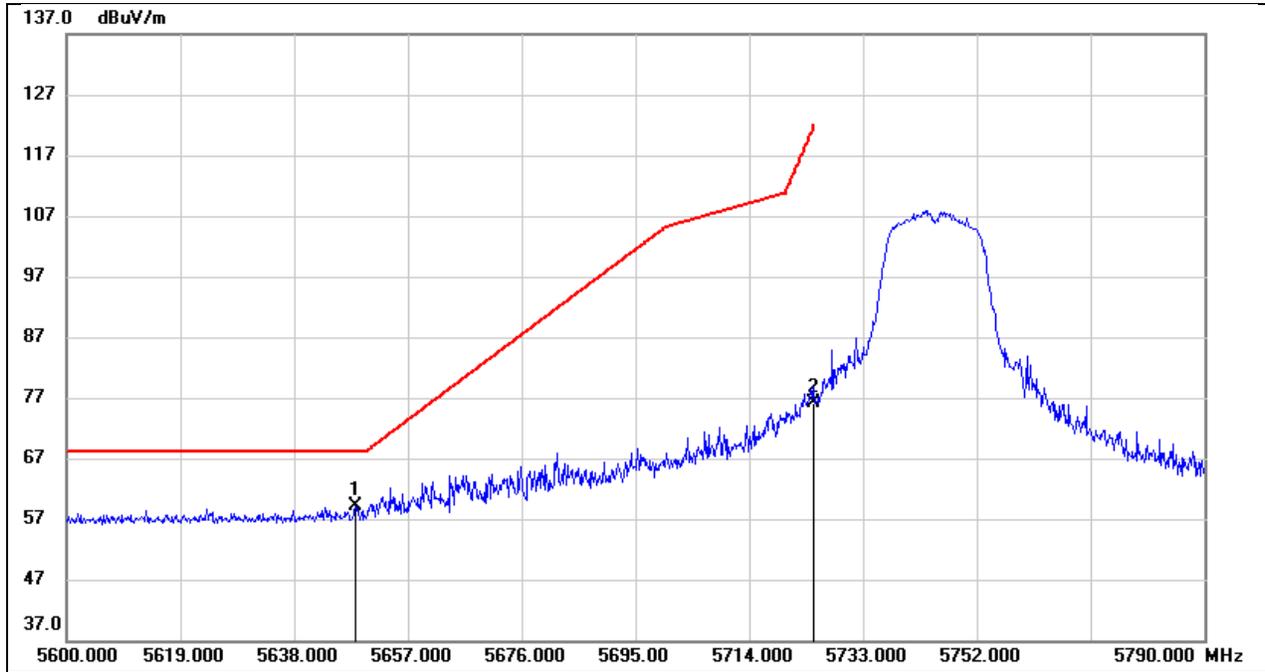
8.1. RESTRICTED BANDEDGE

Test Mode:	802.11a 20 PK	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 7.16V



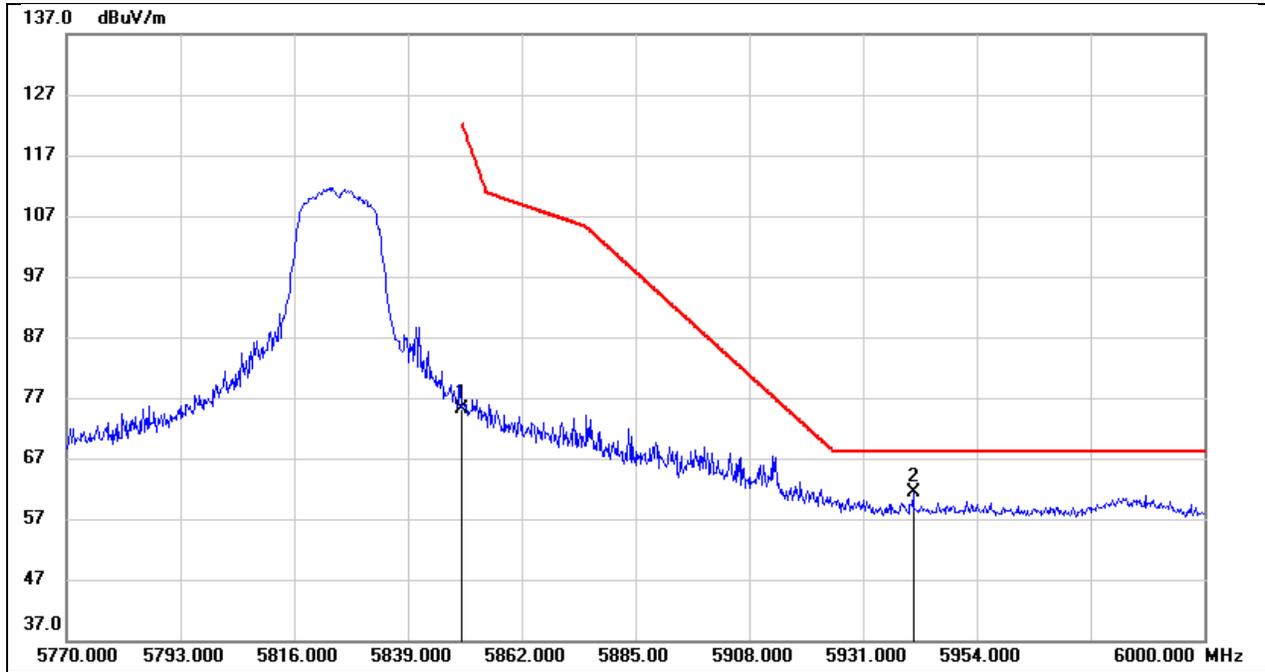
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5642.940	23.91	39.85	63.76	68.20	-4.44	peak
2	5652.820	28.03	39.86	67.89	70.30	-2.41	peak
3	5725.000	40.65	39.94	80.59	122.20	-41.61	peak

Test Mode:	802.11a 20 PK	Frequency(MHz):	5745
Polarity:	Vertical	Test Voltage:	DC 7.16V



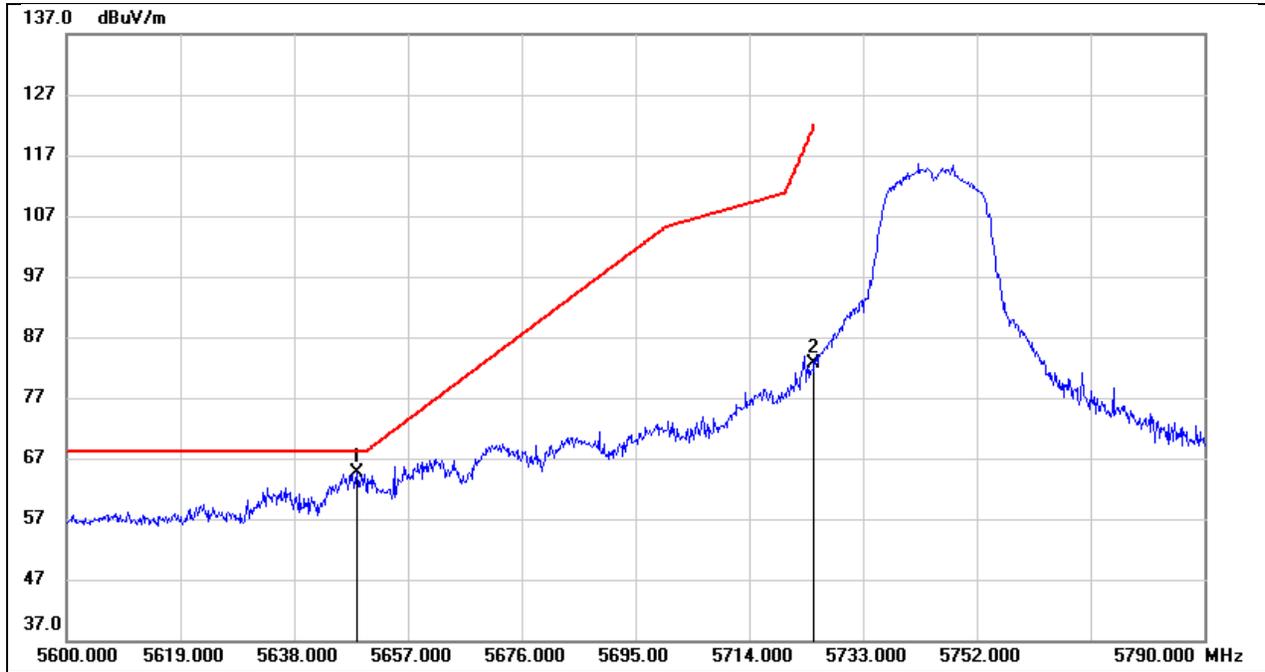
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5648.260	19.20	39.86	59.06	68.20	-9.14	peak
2	5725.000	36.28	39.94	76.22	122.20	-45.98	peak

Test Mode:	802.11a 20 PK	Frequency(MHz):	5825
Polarity:	Horizontal	Test Voltage:	DC 7.16V



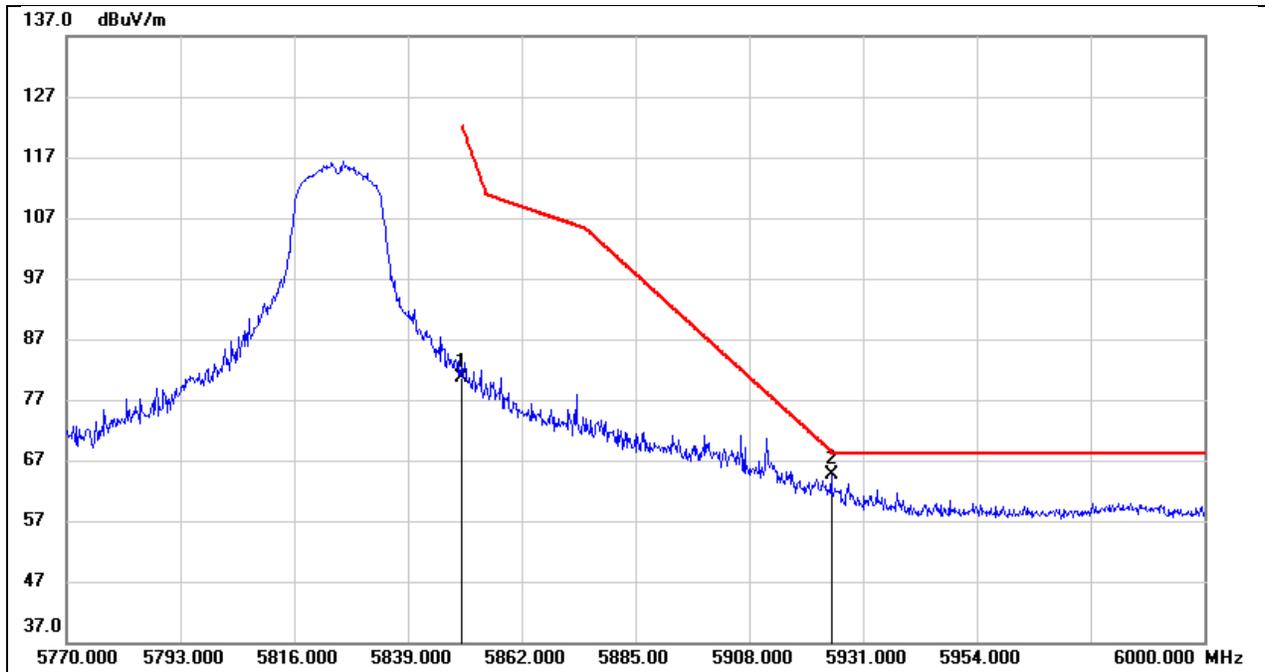
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	35.07	40.13	75.20	122.20	-47.00	peak
2	5941.120	21.03	40.33	61.36	68.20	-6.84	peak

Test Mode:	802.11n HT20 PK	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 7.16V



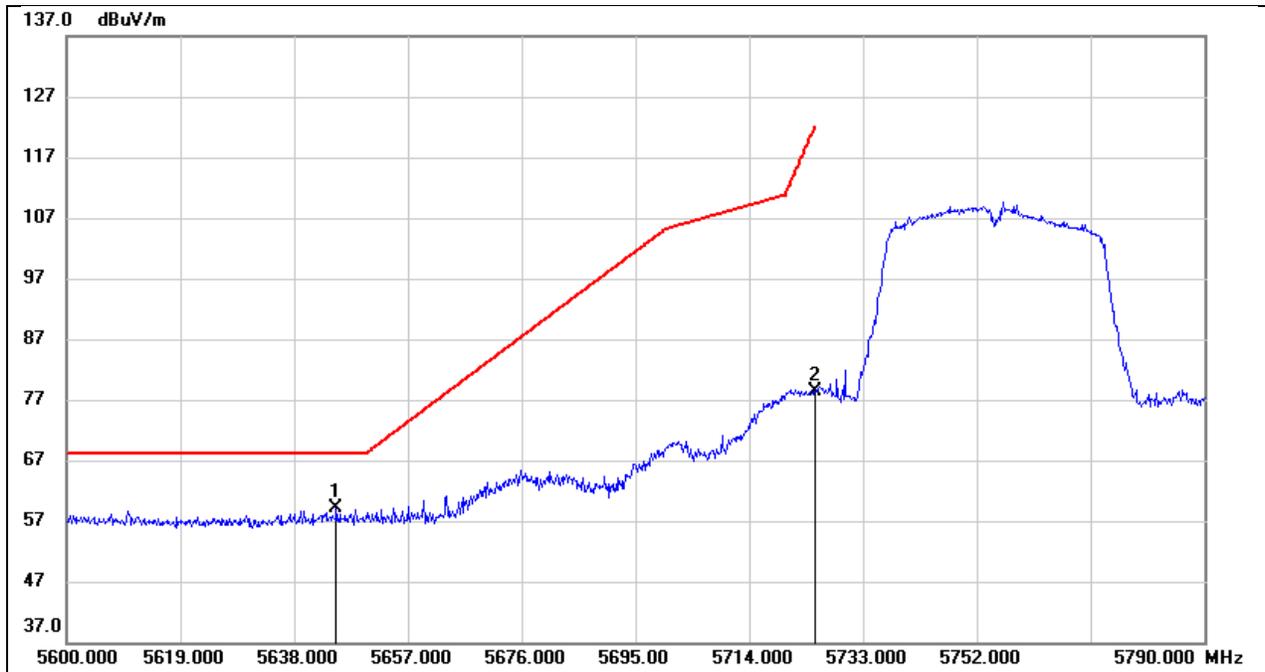
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5648.450	24.65	39.86	64.51	68.20	-3.69	peak
2	5725.000	42.79	39.94	82.73	122.20	-39.47	peak

Test Mode:	802.11n HT20 PK	Frequency(MHz):	5825
Polarity:	Horizontal	Test Voltage:	DC 7.16V



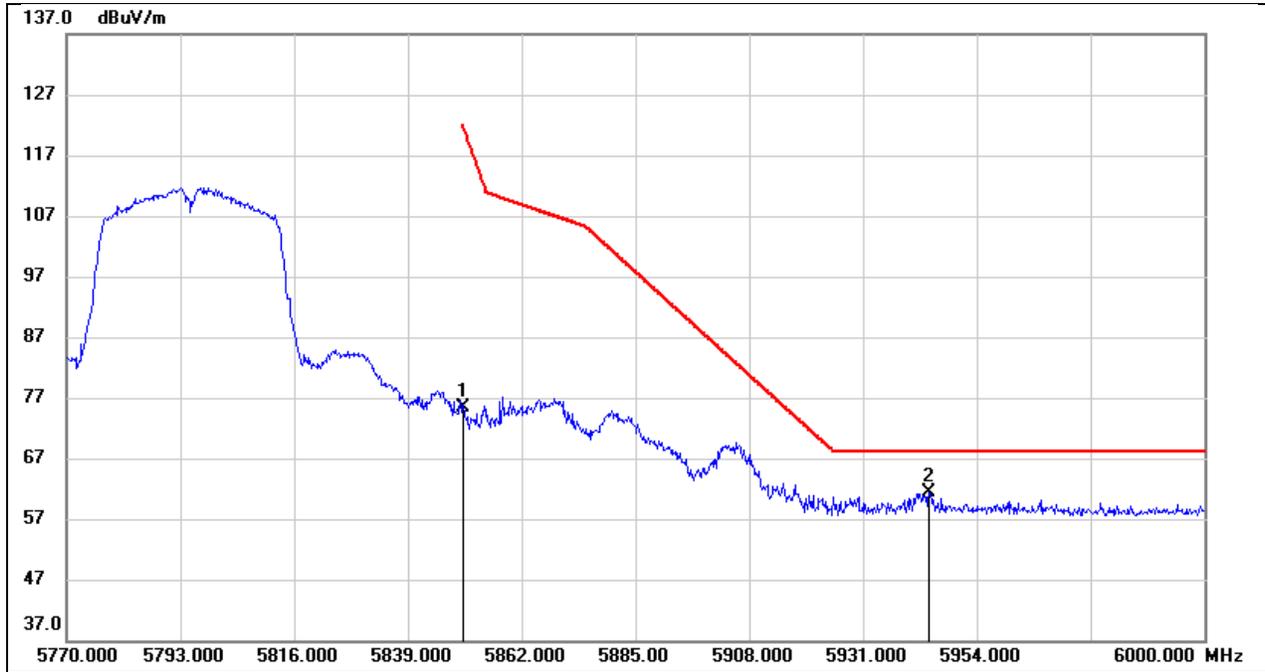
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	40.41	40.13	80.54	122.20	-41.66	peak
2	5924.560	24.29	40.28	64.57	68.52	-3.95	peak

Test Mode:	802.11n HT40 PK	Frequency(MHz):	5755
Polarity:	Horizontal	Test Voltage:	DC 7.16V



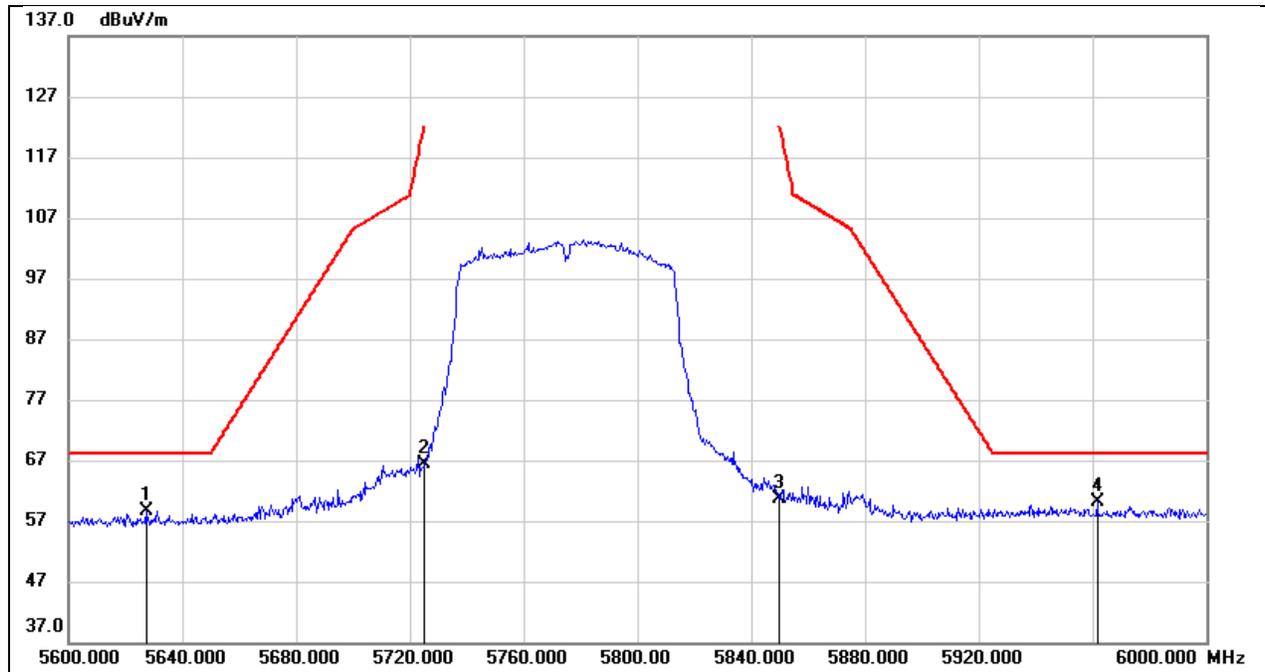
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5645.030	19.31	39.85	59.16	68.20	-9.04	peak
2	5725.000	38.55	39.94	78.49	122.20	-43.71	peak

Test Mode:	802.11n HT40 PK	Frequency(MHz):	5795
Polarity:	Horizontal	Test Voltage:	DC 7.16V



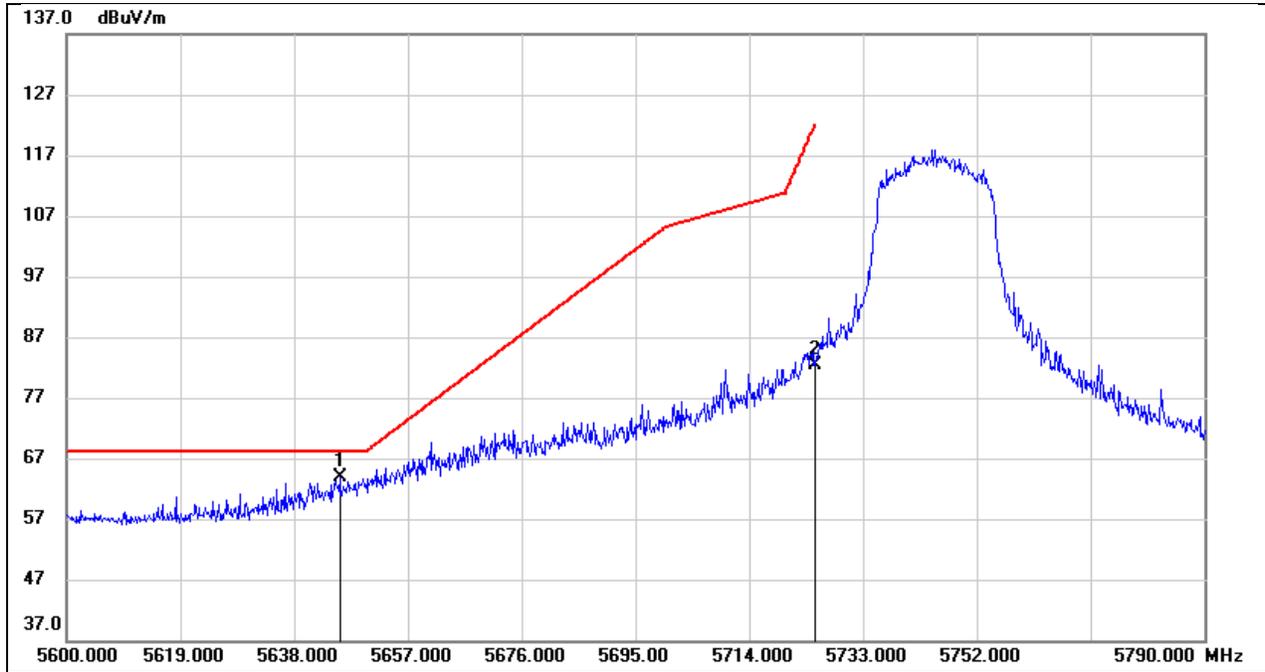
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	35.20	40.13	75.33	122.20	-46.87	peak
2	5944.340	20.94	40.33	61.27	68.20	-6.93	peak

Test Mode:	802.11ac VHT80 PK	Frequency(MHz):	5775
Polarity:	Horizontal	Test Voltage:	DC 7.16V



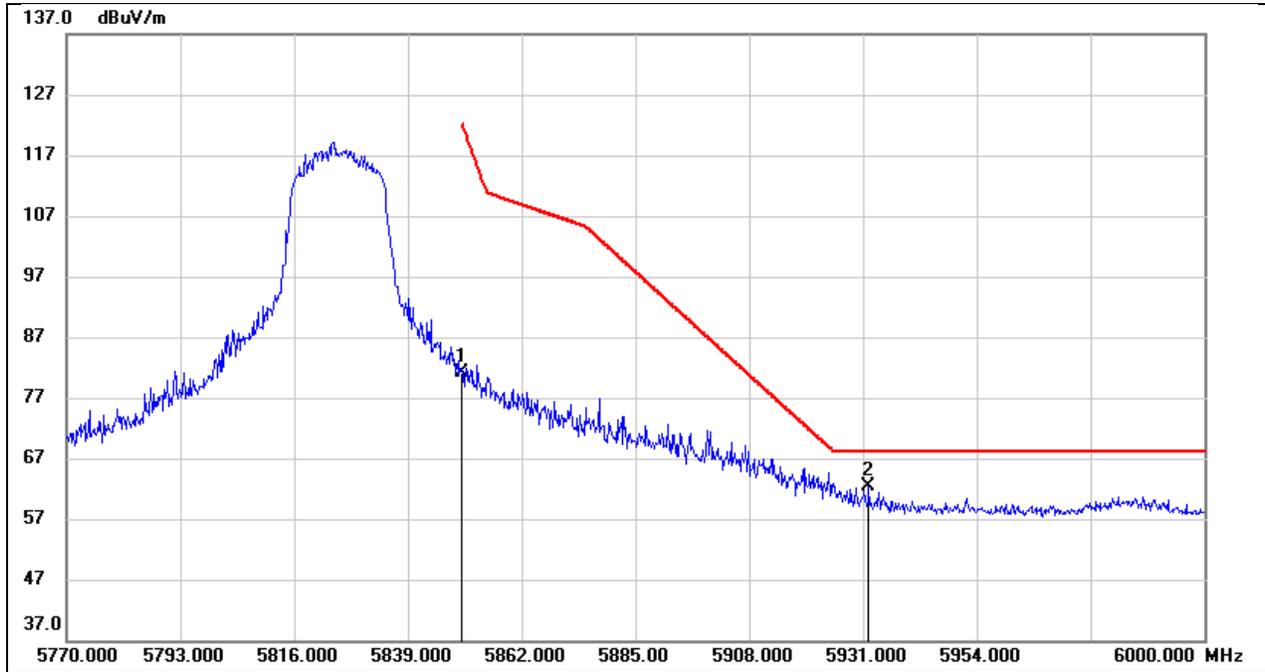
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5627.200	18.70	39.84	58.54	68.20	-9.66	peak
2	5725.000	26.38	39.94	66.32	122.20	-55.88	peak
3	5850.000	20.55	40.13	60.68	122.20	-61.52	peak
4	5961.600	19.64	40.37	60.01	68.20	-8.19	peak

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 7.16V



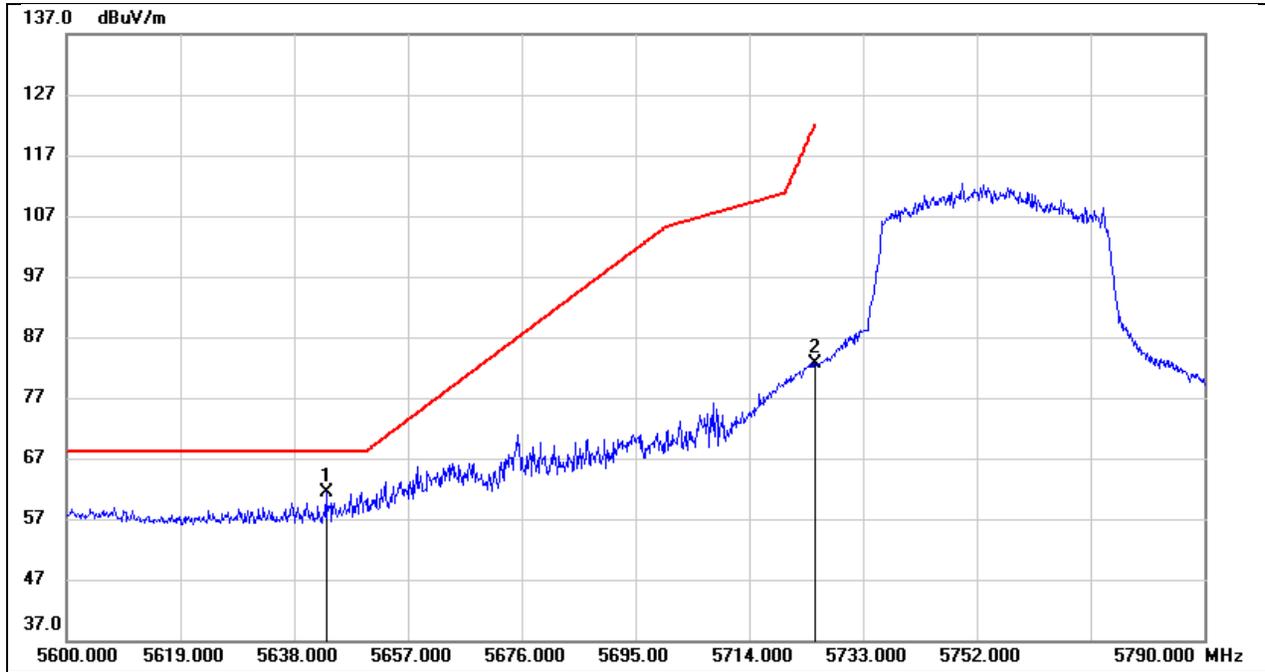
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5645.600	23.98	39.85	63.83	68.20	-4.37	peak
2	5725.000	42.56	39.94	82.50	122.20	-39.70	peak

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	5825
Polarity:	Horizontal	Test Voltage:	DC 7.16V



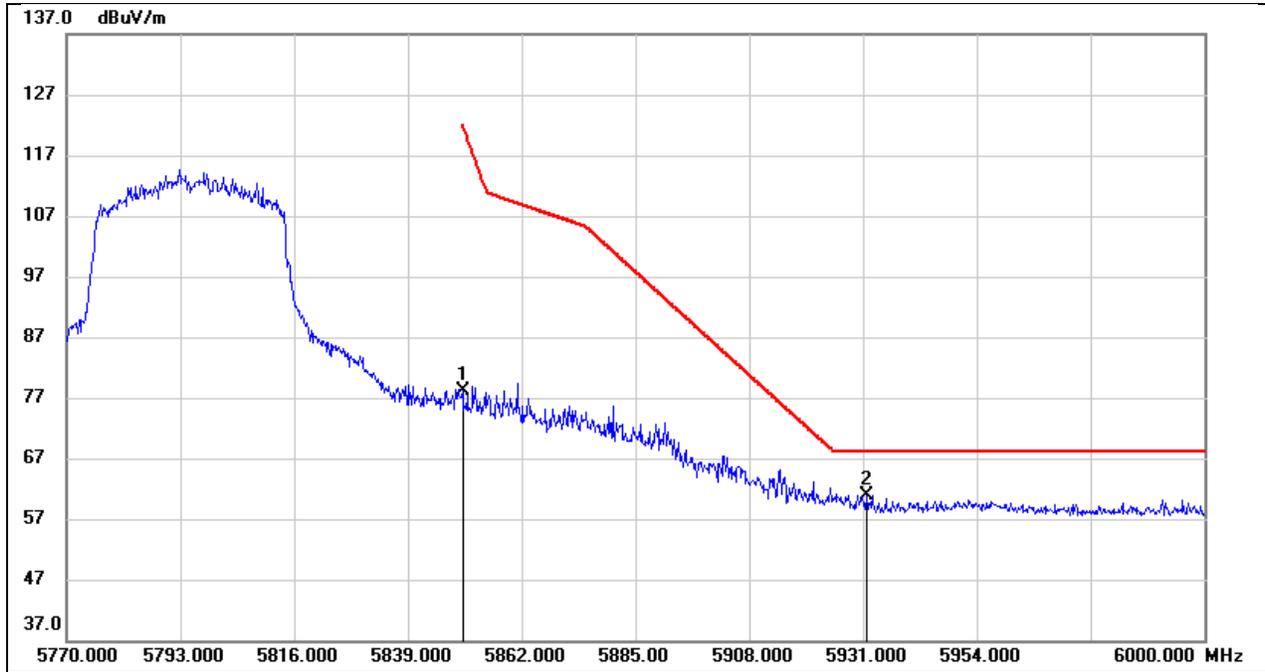
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	40.95	40.13	81.08	122.20	-41.12	peak
2	5932.150	22.17	40.30	62.47	68.20	-5.73	peak

Test Mode:	802.11ax HE40 PK	Frequency(MHz):	5755
Polarity:	Horizontal	Test Voltage:	DC 7.16V



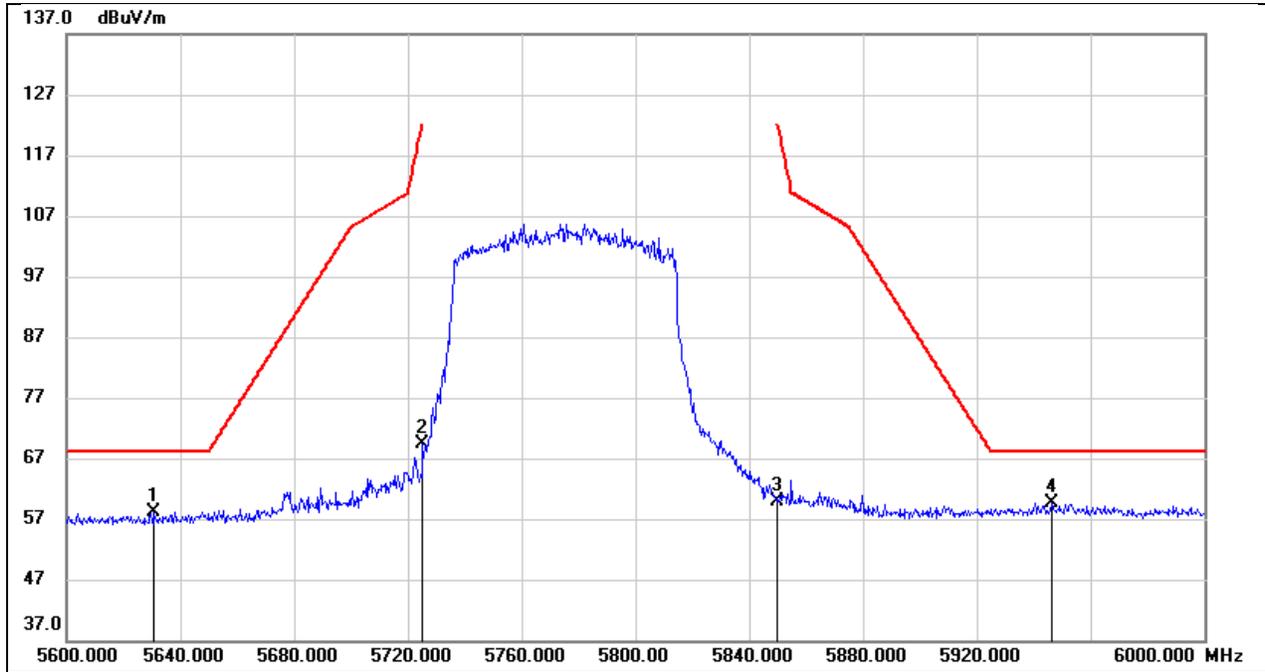
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5643.320	21.47	39.85	61.32	68.20	-6.88	peak
2	5725.000	42.57	39.94	82.51	122.20	-39.69	peak

Test Mode:	802.11ax HE40 PK	Frequency(MHz):	5795
Polarity:	Horizontal	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	38.04	40.13	78.17	122.20	-44.03	peak
2	5931.690	20.67	40.30	60.97	68.20	-7.23	peak

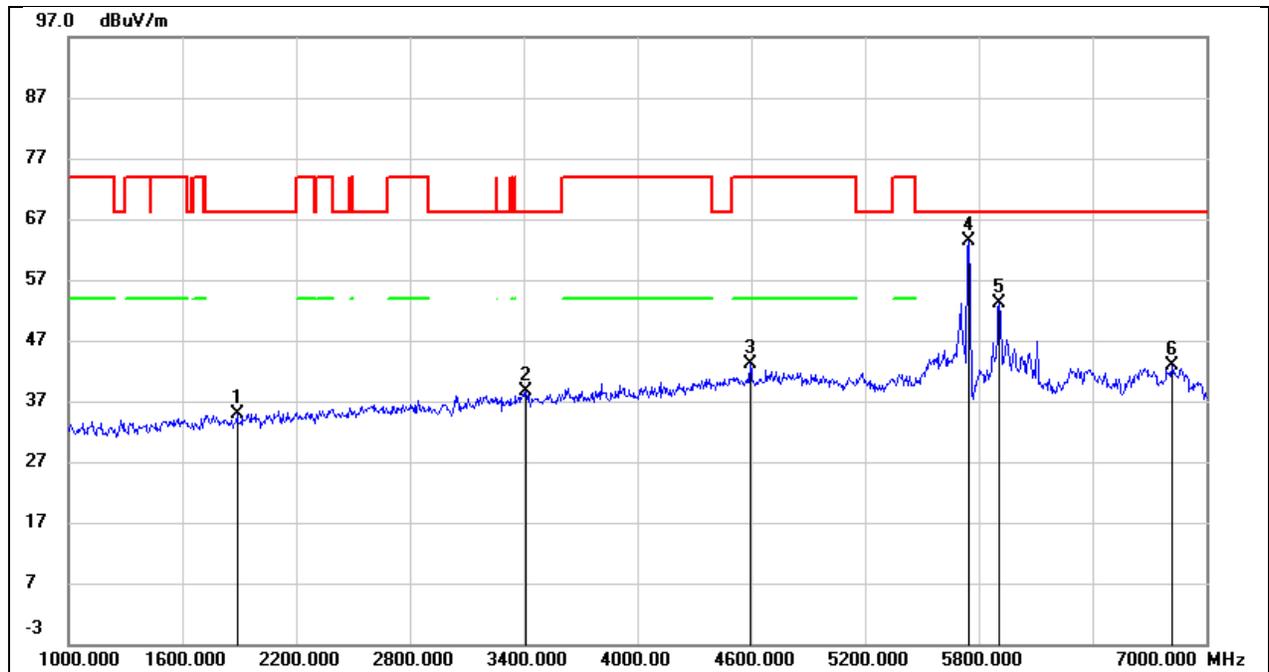
Test Mode:	802.11ax HE80 PK	Frequency(MHz):	5775
Polarity:	Horizontal	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5630.800	18.41	39.84	58.25	68.20	-9.95	peak
2	5725.000	29.54	39.94	69.48	122.20	-52.72	peak
3	5850.000	19.77	40.13	59.90	122.20	-62.30	peak
4	5946.400	19.28	40.33	59.61	68.20	-8.59	peak

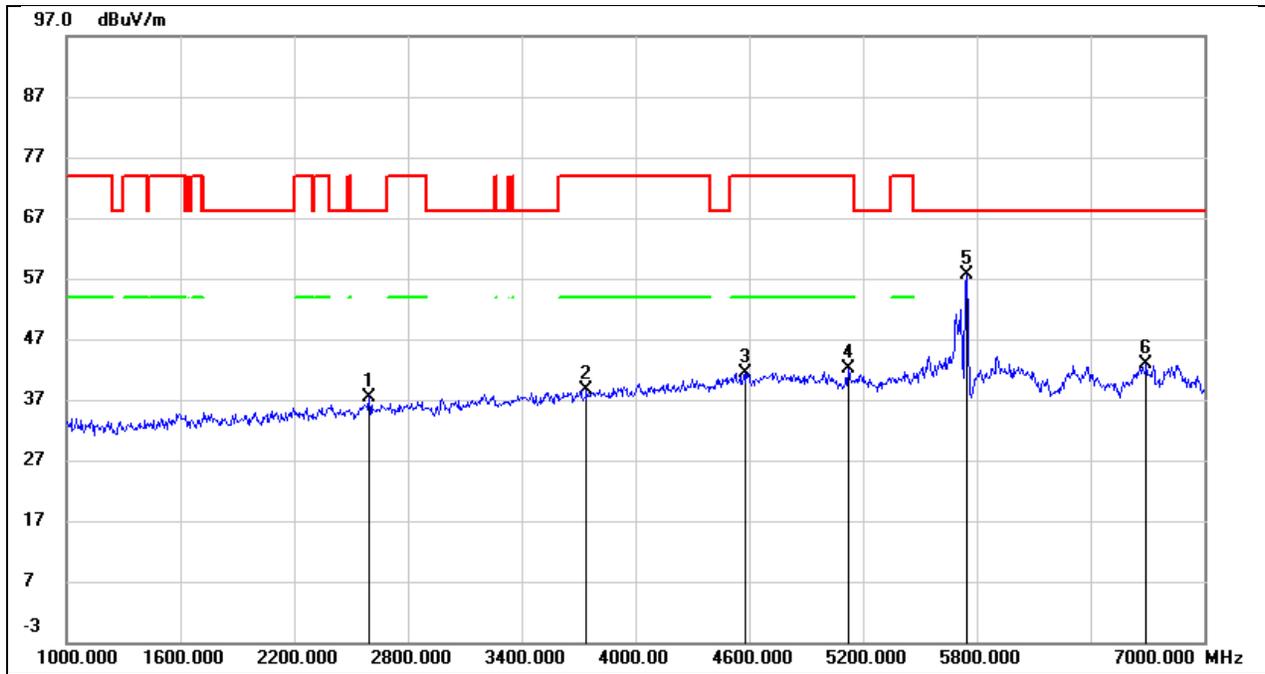
8.2. SPURIOUS EMISSIONS(1 GHZ~7 GHZ)

Test Mode:	802.11a 20	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 7.16V



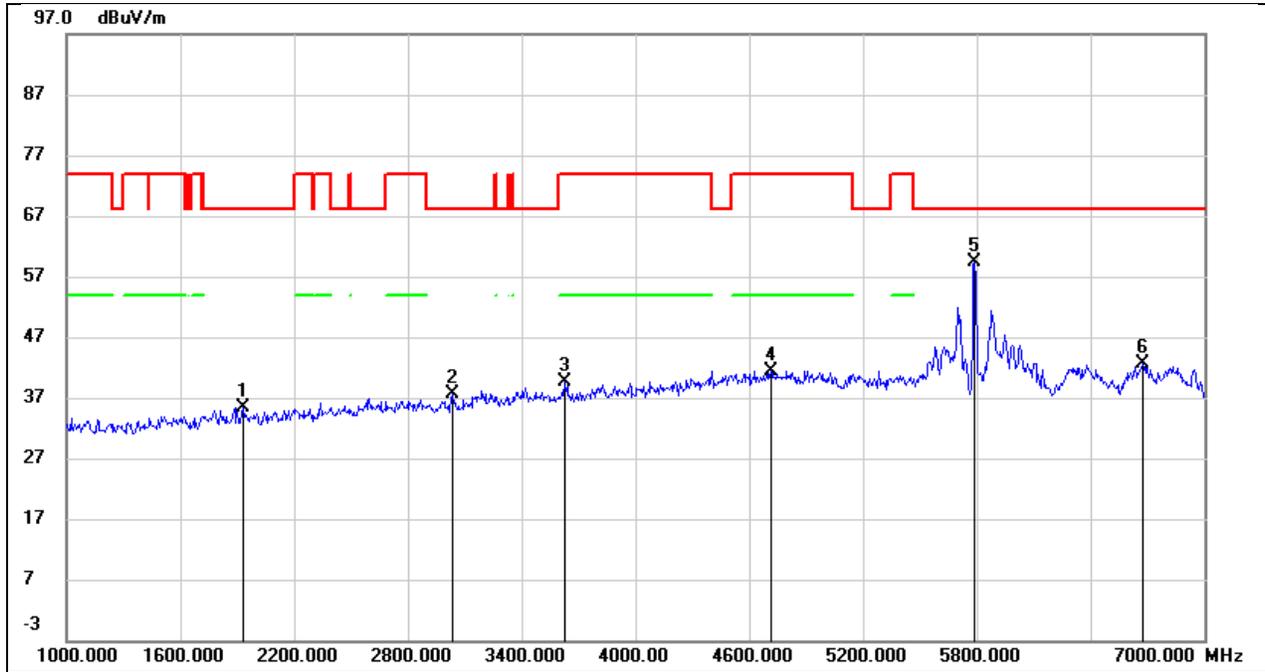
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1888.000	45.66	-10.75	34.91	68.20	-33.29	peak
2	3412.000	43.27	-4.72	38.55	68.20	-29.65	peak
3	4594.000	43.72	-0.47	43.25	74.00	-30.75	peak
4	5745.000	60.37	2.97	63.34	/	/	Fundamental
5	5908.000	49.91	3.22	53.13	68.20	-15.07	peak
6	6820.000	37.06	5.91	42.97	68.20	-25.23	peak

Test Mode:	802.11a 20	Frequency(MHz):	5745
Polarity:	Vertical	Test Voltage:	DC 7.16V



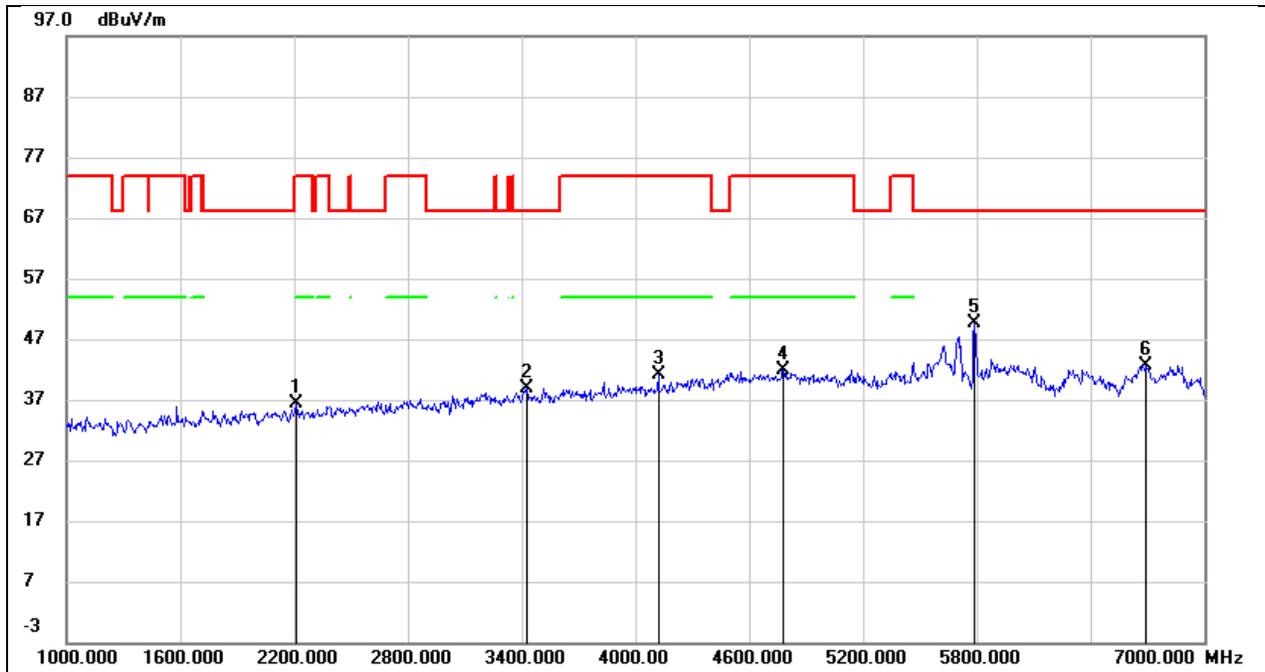
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2596.000	45.38	-7.91	37.47	68.20	-30.73	peak
2	3742.000	42.46	-3.79	38.67	74.00	-35.33	peak
3	4576.000	42.03	-0.53	41.50	74.00	-32.50	peak
4	5122.000	40.75	1.35	42.10	74.00	-31.90	peak
5	5745.000	54.64	2.97	57.61	/	/	Fundamental
6	6694.000	37.28	5.52	42.80	68.20	-25.40	peak

Test Mode:	802.11a 20	Frequency(MHz):	5785
Polarity:	Horizontal	Test Voltage:	DC 7.16V



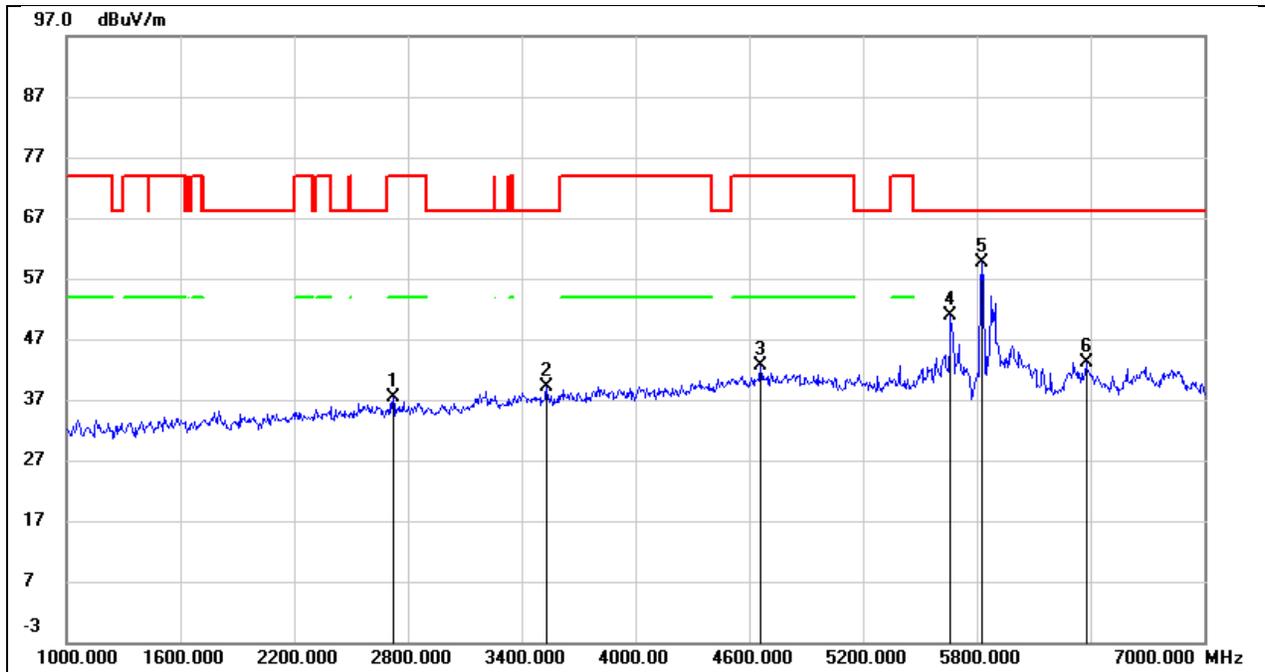
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1930.000	46.00	-10.61	35.39	68.20	-32.81	peak
2	3034.000	43.49	-5.92	37.57	68.20	-30.63	peak
3	3628.000	43.81	-4.13	39.68	74.00	-34.32	peak
4	4714.000	41.34	0.03	41.37	74.00	-32.63	peak
5	5785.000	56.40	3.07	59.47	/	/	Fundamental
6	6676.000	37.06	5.46	42.52	68.20	-25.68	peak

Test Mode:	802.11a 20	Frequency(MHz):	5785
Polarity:	Vertical	Test Voltage:	DC 7.16V



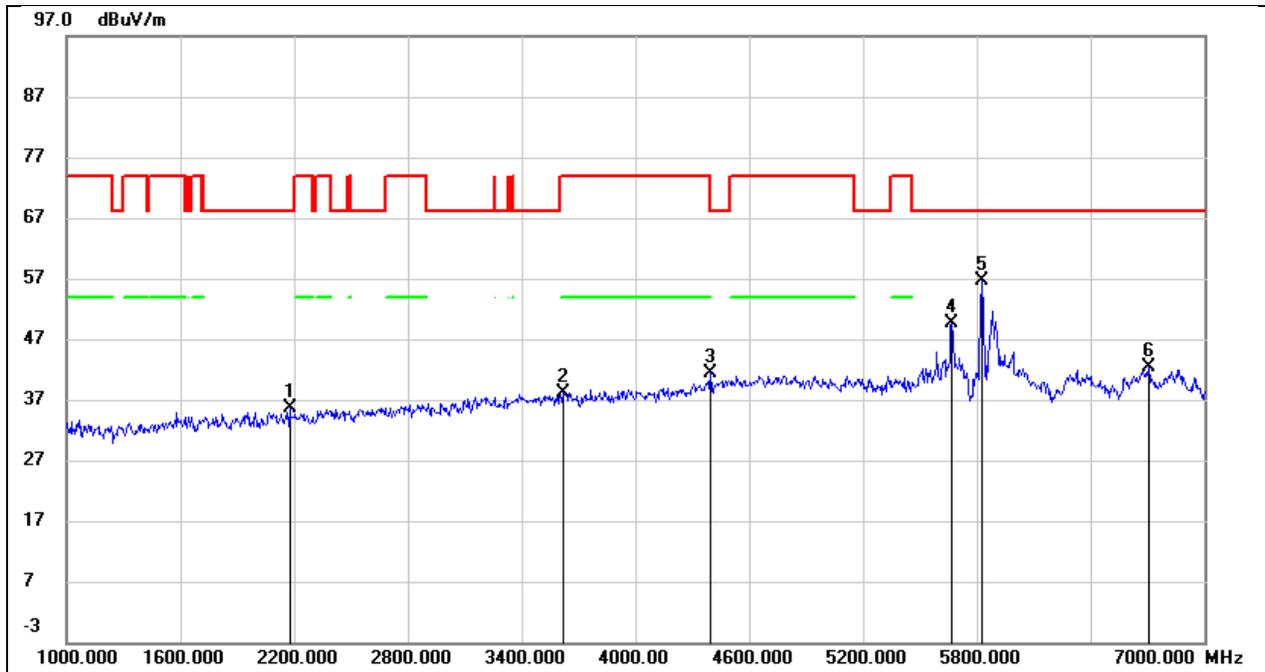
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2212.000	45.83	-9.54	36.29	74.00	-37.71	peak
2	3424.000	43.61	-4.70	38.91	68.20	-29.29	peak
3	4120.000	43.46	-2.33	41.13	74.00	-32.87	peak
4	4780.000	41.60	0.31	41.91	74.00	-32.09	peak
5	5785.000	46.45	3.07	49.52	/	/	Fundamental
6	6688.000	37.22	5.49	42.71	68.20	-25.49	peak

Test Mode:	802.11a 20	Frequency(MHz):	5825
Polarity:	Horizontal	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2722.000	44.80	-7.40	37.40	74.00	-36.60	peak
2	3532.000	43.48	-4.38	39.10	68.20	-29.10	peak
3	4660.000	42.71	-0.19	42.52	74.00	-31.48	peak
4	5662.000	48.00	2.77	50.77	68.20	-17.43	peak
5	5825.000	56.58	3.14	59.72	/	/	Fundamental
6	6376.000	38.46	4.77	43.23	68.20	-24.97	peak

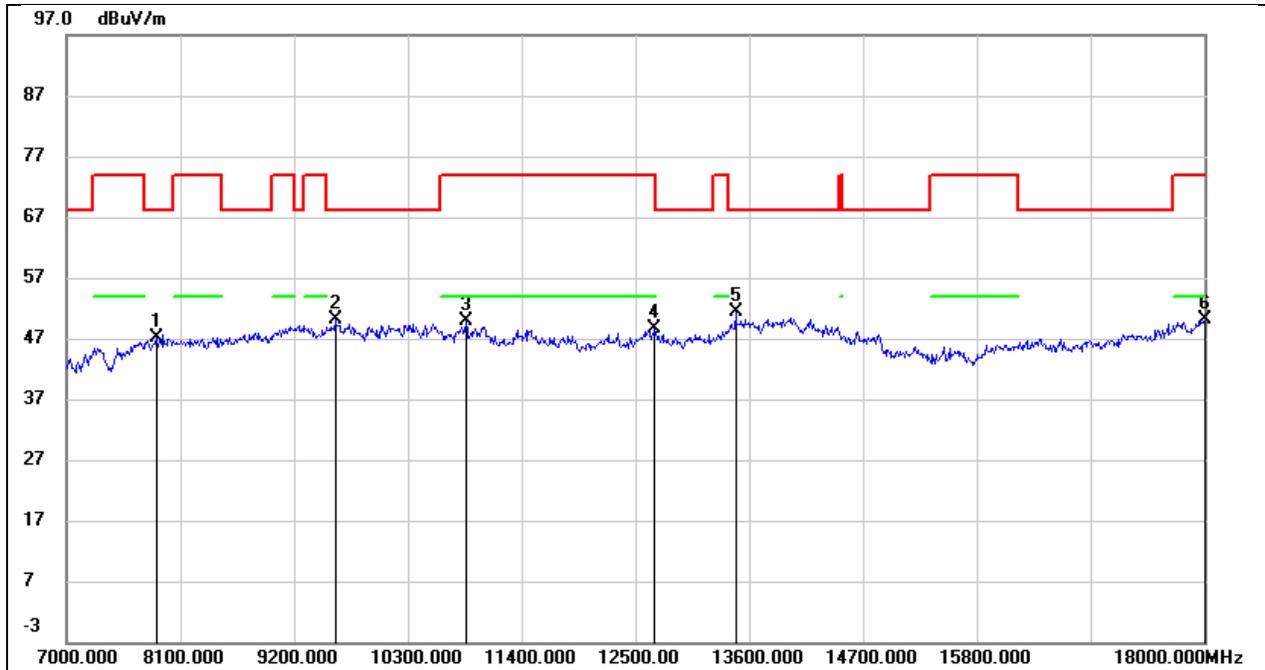
Test Mode:	802.11a 20	Frequency(MHz):	5825
Polarity:	Vertical	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2176.000	45.20	-9.69	35.51	68.20	-32.69	peak
2	3616.000	42.38	-4.15	38.23	74.00	-35.77	peak
3	4396.000	42.75	-1.25	41.50	74.00	-32.50	peak
4	5668.000	46.78	2.78	49.56	68.20	-18.64	peak
5	5825.000	53.37	3.14	56.51	/	/	Fundamental
6	6706.000	36.76	5.55	42.31	68.20	-25.89	peak

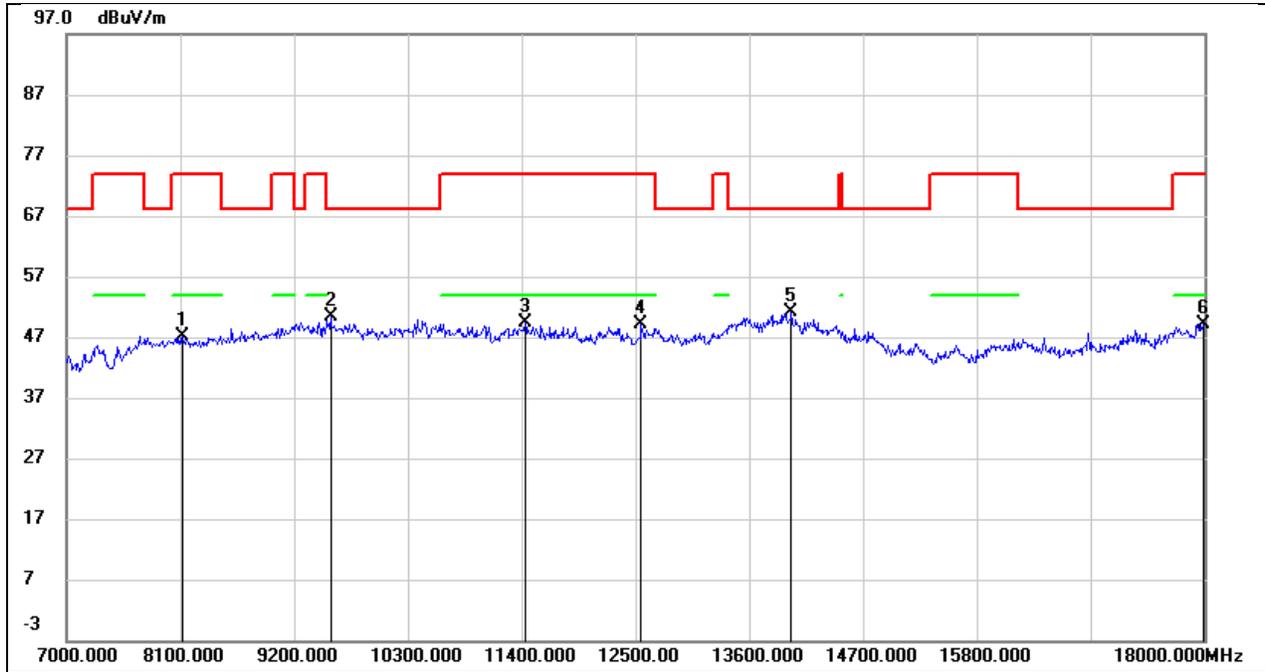
8.3. SPURIOUS EMISSIONS(7 GHZ~18 GHZ)

Test Mode:	802.11a 20	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 7.16V



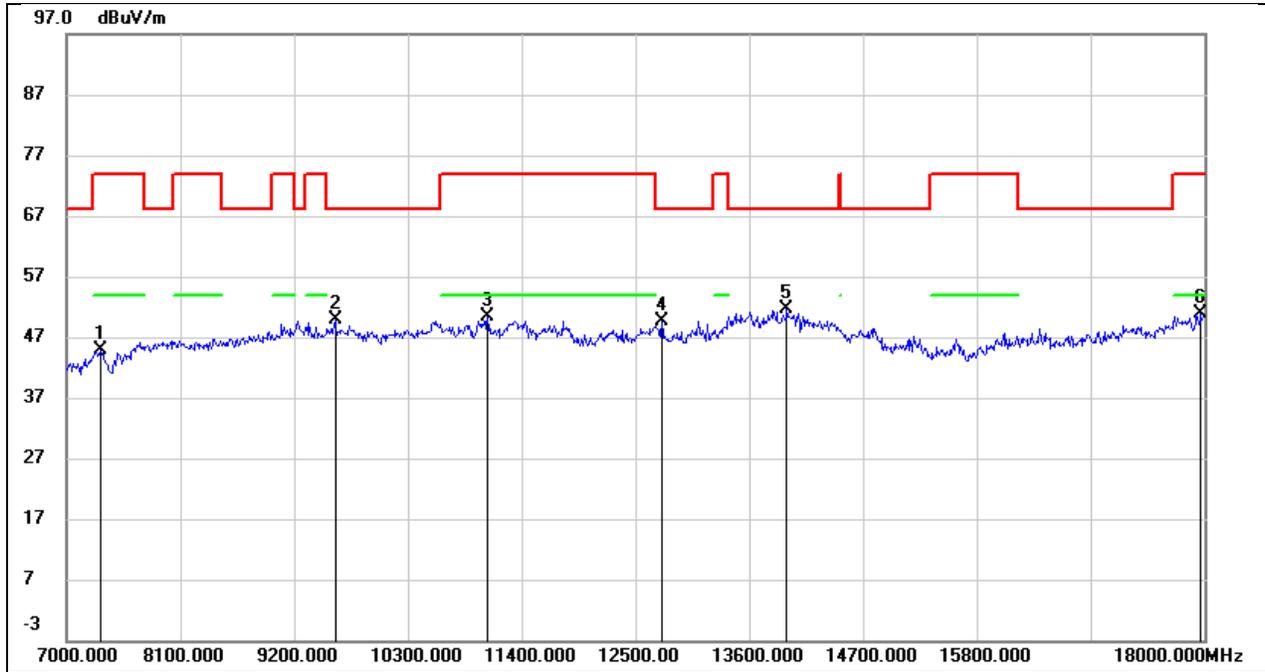
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7869.000	38.99	8.02	47.01	68.20	-21.19	peak
2	9596.000	36.82	13.26	50.08	68.20	-18.12	peak
3	10861.000	34.94	15.04	49.98	74.00	-24.02	peak
4	12687.000	28.41	20.17	48.58	74.00	-25.42	peak
5	13468.000	29.13	22.31	51.44	68.20	-16.76	peak
6	18000.000	21.60	28.51	50.11	74.00	-23.89	peak

Test Mode:	802.11a 20	Frequency(MHz):	5745
Polarity:	Vertical	Test Voltage:	DC 7.16V



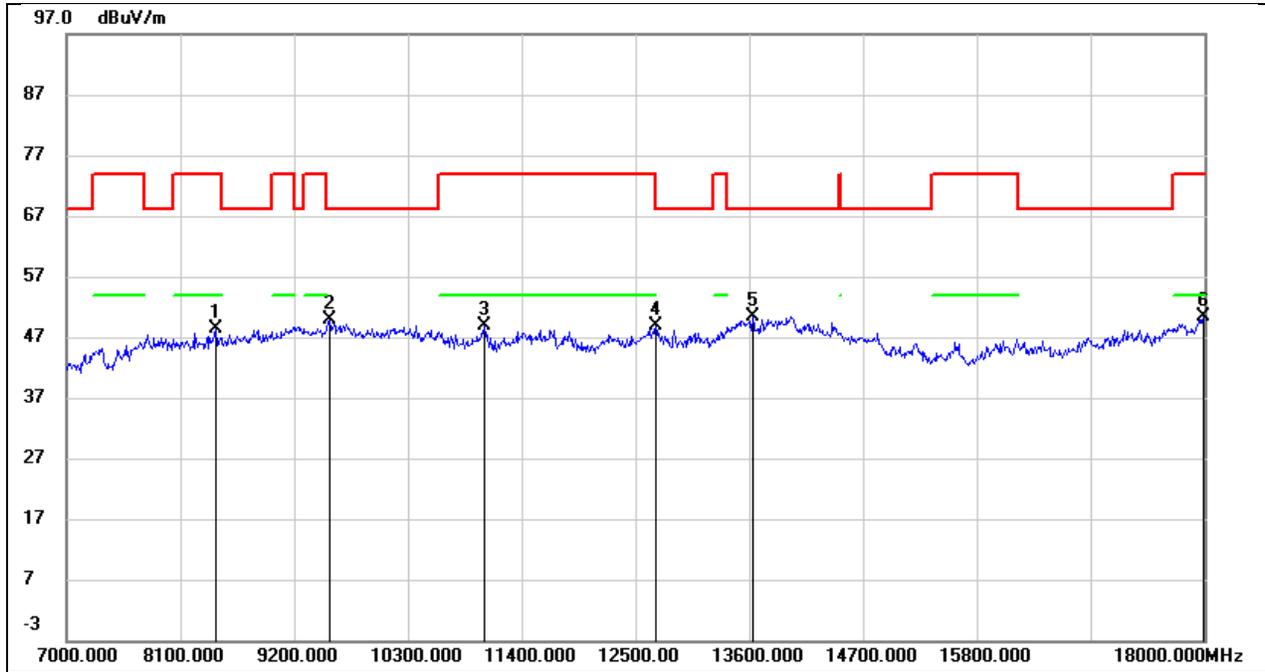
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8122.000	38.79	8.32	47.11	74.00	-26.89	peak
2	9552.000	37.47	12.98	50.45	68.20	-17.75	peak
3	11433.000	32.16	17.31	49.47	74.00	-24.53	peak
4	12555.000	29.18	19.84	49.02	74.00	-24.98	peak
5	14007.000	27.18	23.88	51.06	68.20	-17.14	peak
6	17989.000	20.84	28.40	49.24	74.00	-24.76	peak

Test Mode:	802.11a 20	Frequency(MHz):	5785
Polarity:	Horizontal	Test Voltage:	DC 7.16V



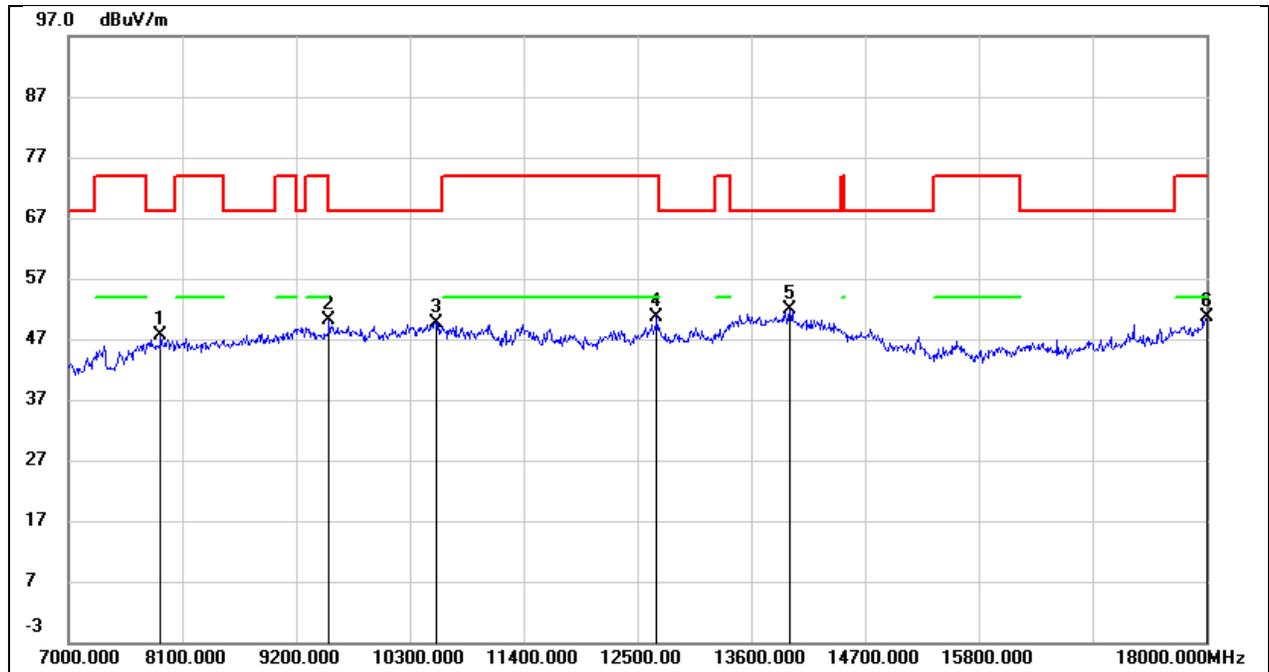
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7330.000	37.38	7.50	44.88	74.00	-29.12	peak
2	9596.000	36.70	13.26	49.96	68.20	-18.24	peak
3	11070.000	34.72	15.75	50.47	74.00	-23.53	peak
4	12753.000	29.25	20.38	49.63	68.20	-18.57	peak
5	13963.000	27.95	23.77	51.72	68.20	-16.48	peak
6	17967.000	22.70	28.21	50.91	74.00	-23.09	peak

Test Mode:	802.11a 20	Frequency(MHz):	5785
Polarity:	Vertical	Test Voltage:	DC 7.16V



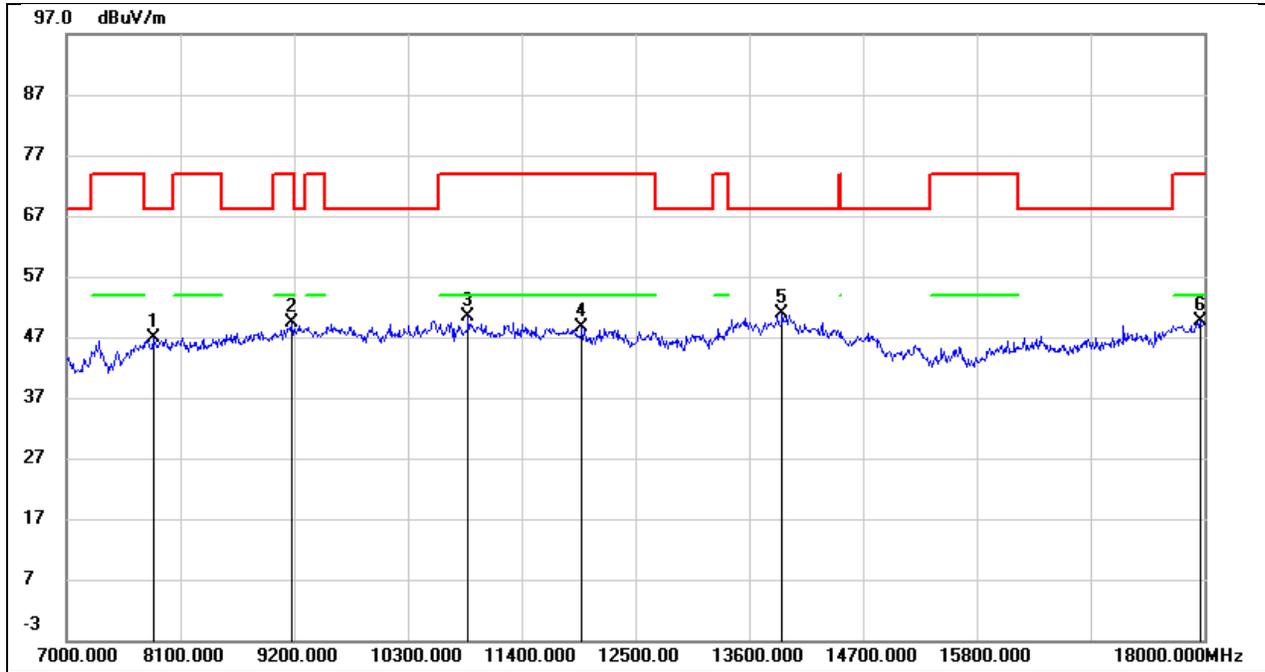
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8441.000	39.87	8.62	48.49	74.00	-25.51	peak
2	9541.000	36.86	12.91	49.77	68.20	-18.43	peak
3	11037.000	33.16	15.62	48.78	74.00	-25.22	peak
4	12698.000	28.64	20.20	48.84	74.00	-25.16	peak
5	13633.000	27.79	22.68	50.47	68.20	-17.73	peak
6	17989.000	21.99	28.40	50.39	74.00	-23.61	peak

Test Mode:	802.11a 20	Frequency(MHz):	5825
Polarity:	Horizontal	Test Voltage:	DC 7.16V



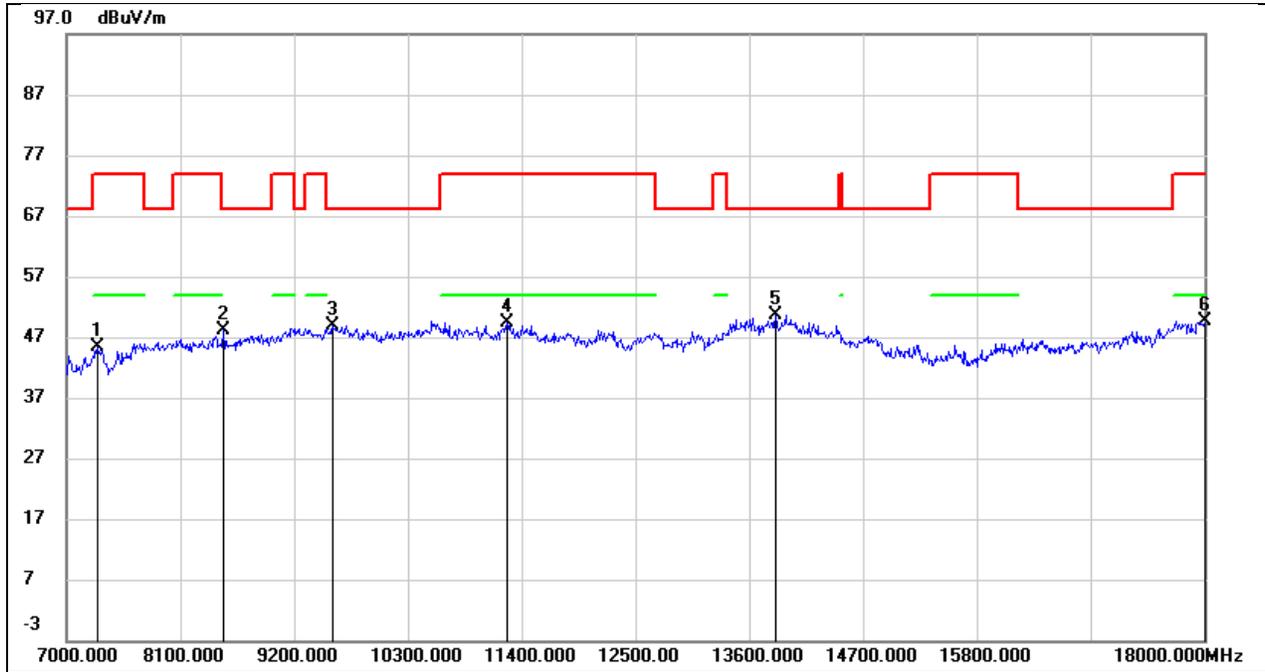
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7891.000	39.56	8.05	47.61	68.20	-20.59	peak
2	9519.000	37.34	12.77	50.11	68.20	-18.09	peak
3	10553.000	35.55	14.18	49.73	68.20	-18.47	peak
4	12687.000	30.40	20.17	50.57	74.00	-23.43	peak
5	13974.000	28.09	23.81	51.90	68.20	-16.30	peak
6	18000.000	22.01	28.51	50.52	74.00	-23.48	peak

Test Mode:	802.11a 20	Frequency(MHz):	5825
Polarity:	Vertical	Test Voltage:	DC 7.16V



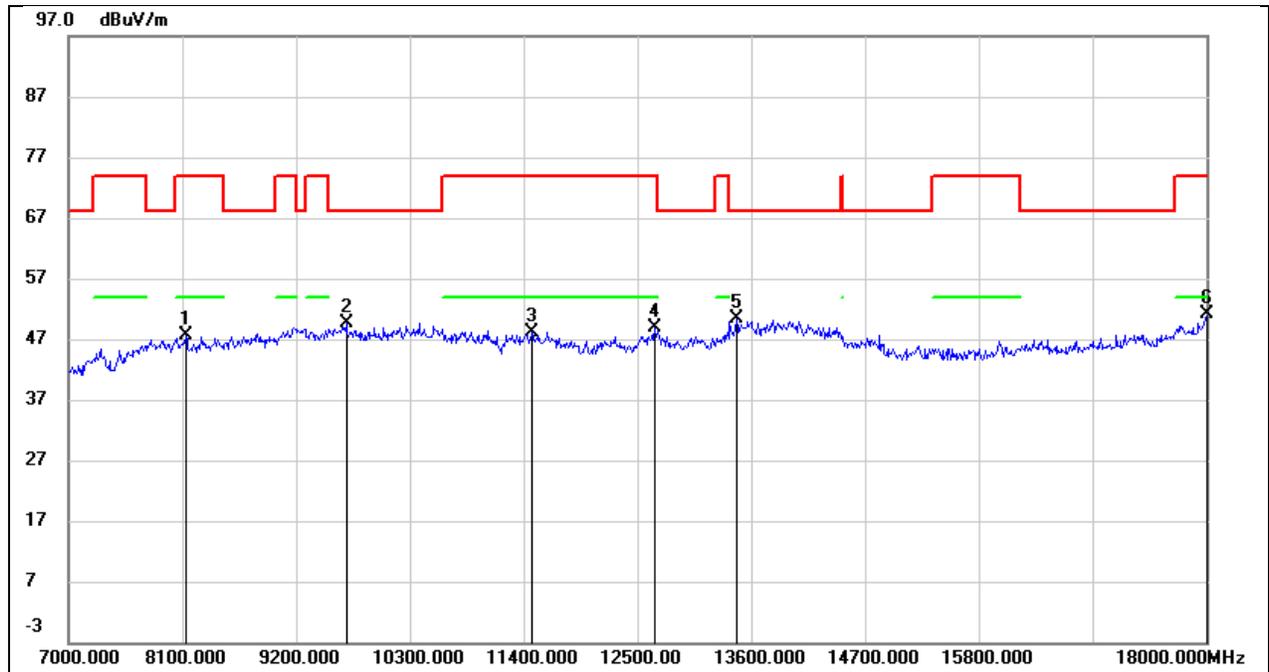
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7836.000	38.78	7.99	46.77	68.20	-21.43	peak
2	9178.000	38.16	11.32	49.48	74.00	-24.52	peak
3	10883.000	35.18	15.10	50.28	74.00	-23.72	peak
4	11983.000	30.12	18.54	48.66	74.00	-25.34	peak
5	13919.000	27.25	23.60	50.85	68.20	-17.35	peak
6	17956.000	21.43	28.10	49.53	74.00	-24.47	peak

Test Mode:	802.11n HT20	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 7.16V



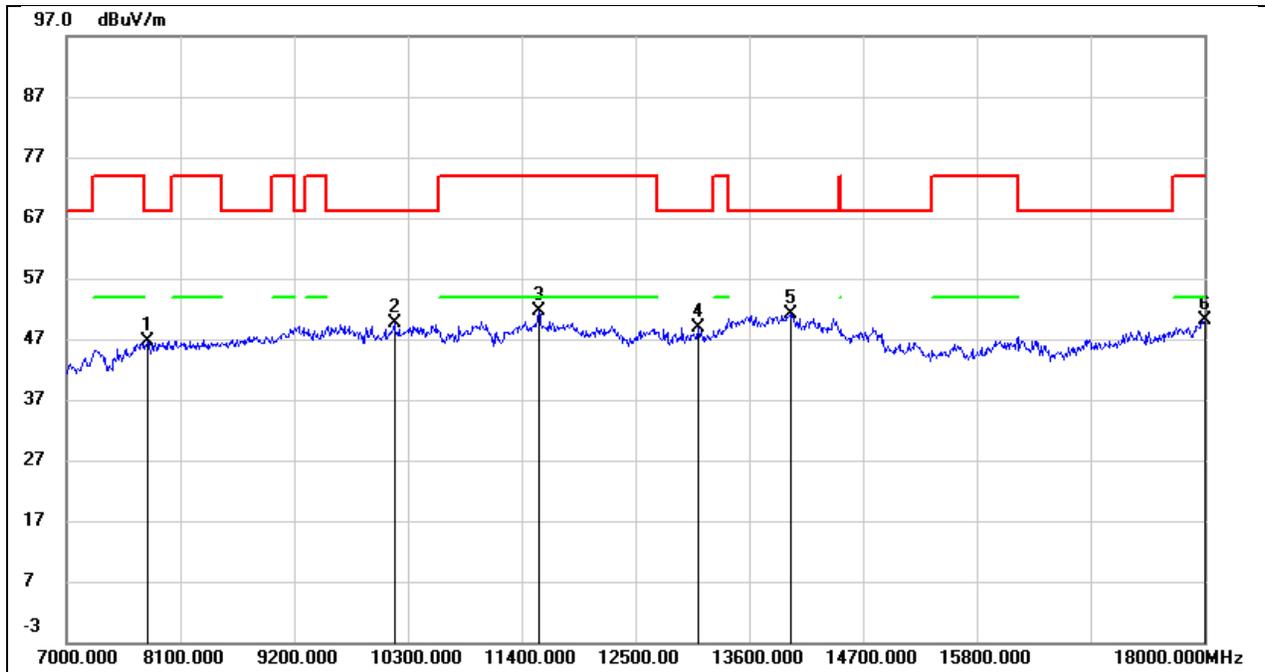
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7297.000	37.97	7.50	45.47	74.00	-28.53	peak
2	8518.000	39.46	8.70	48.16	68.20	-20.04	peak
3	9574.000	35.84	13.13	48.97	68.20	-19.23	peak
4	11257.000	32.81	16.55	49.36	74.00	-24.64	peak
5	13853.000	27.37	23.34	50.71	68.20	-17.49	peak
6	18000.000	21.10	28.51	49.61	74.00	-24.39	peak

Test Mode:	802.11n HT20	Frequency(MHz):	5745
Polarity:	Vertical	Test Voltage:	DC 7.16V



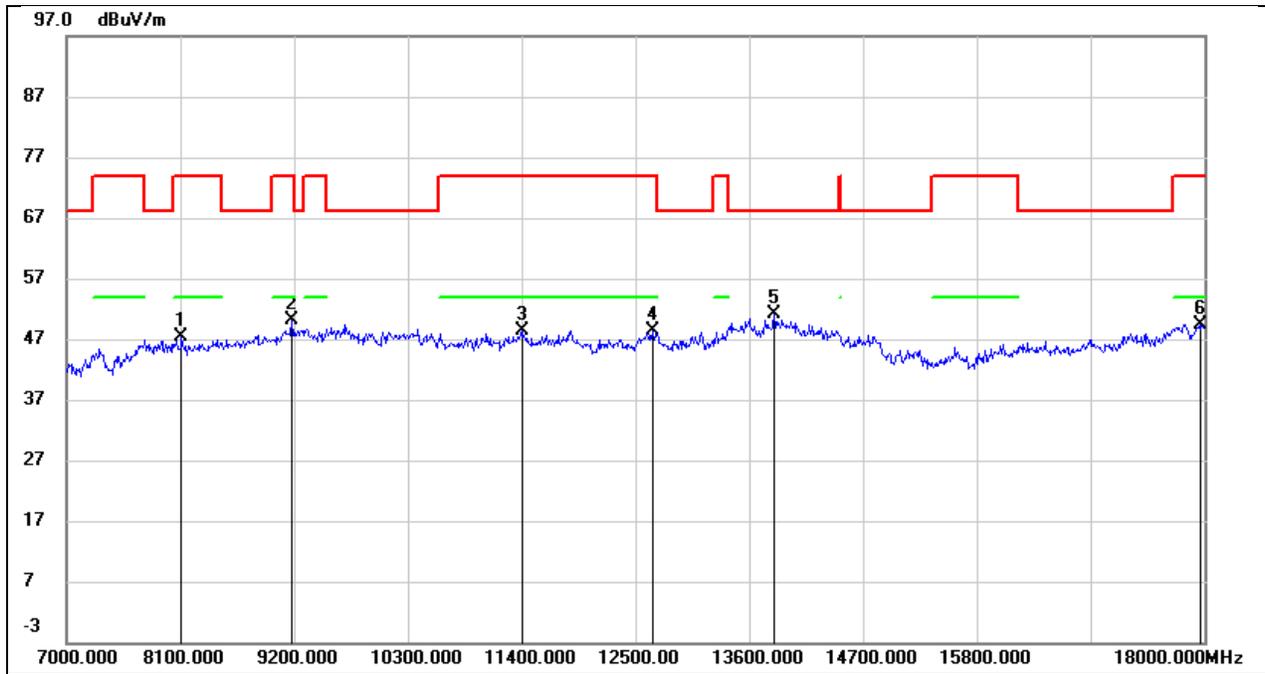
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8133.000	39.24	8.33	47.57	74.00	-26.43	peak
2	9684.000	36.21	13.44	49.65	68.20	-18.55	peak
3	11477.000	30.64	17.46	48.10	74.00	-25.90	peak
4	12665.000	28.81	20.09	48.90	74.00	-25.10	peak
5	13457.000	28.02	22.27	50.29	68.20	-17.91	peak
6	18000.000	22.64	28.51	51.15	74.00	-22.85	peak

Test Mode:	802.11n HT20	Frequency(MHz):	5785
Polarity:	Horizontal	Test Voltage:	DC 7.16V



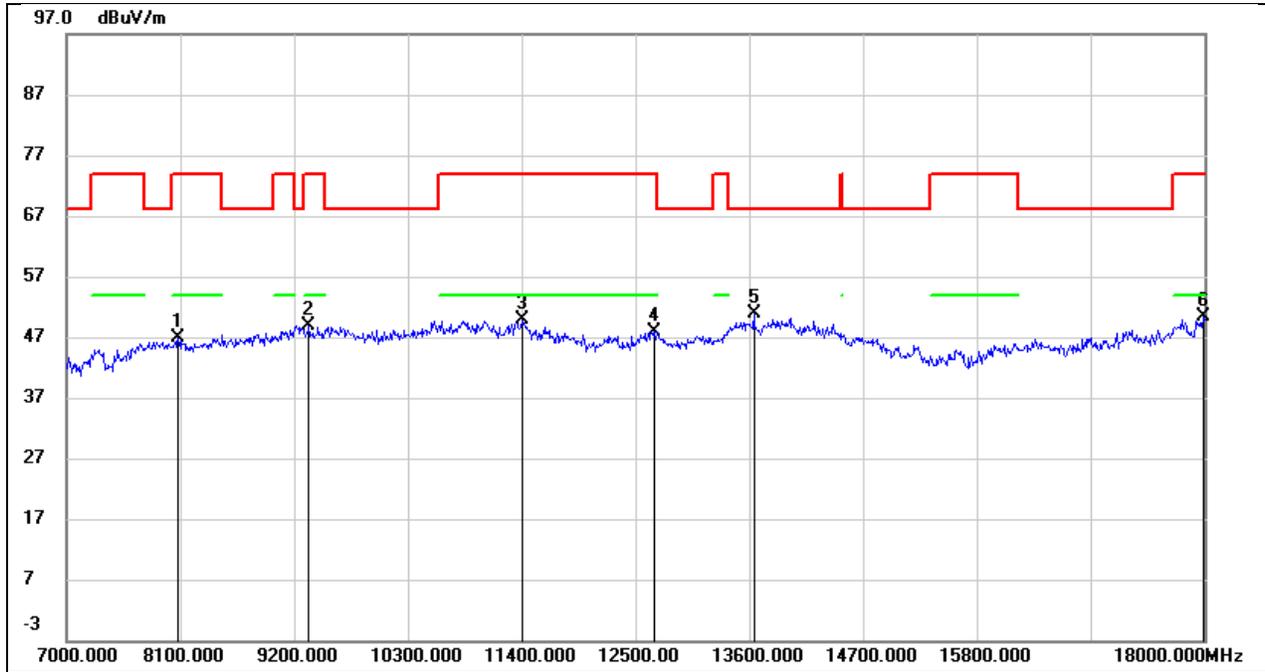
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7781.000	38.60	7.92	46.52	68.20	-21.68	peak
2	10168.000	36.44	13.30	49.74	68.20	-18.46	peak
3	11565.000	33.96	17.77	51.73	74.00	-22.27	peak
4	13105.000	28.06	20.90	48.96	68.20	-19.24	peak
5	13996.000	27.29	23.89	51.18	68.20	-17.02	peak
6	18000.000	21.71	28.51	50.22	74.00	-23.78	peak

Test Mode:	802.11n HT20	Frequency(MHz):	5785
Polarity:	Vertical	Test Voltage:	DC 7.16V



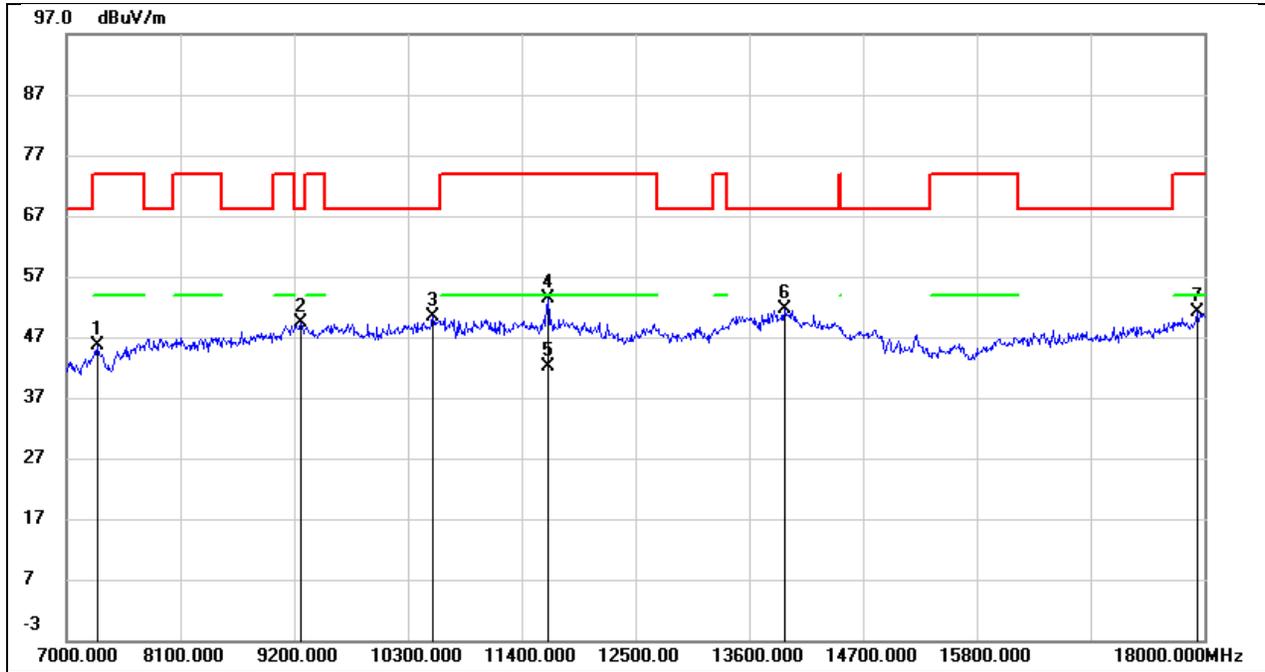
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8111.000	39.20	8.30	47.50	74.00	-26.50	peak
2	9178.000	38.85	11.32	50.17	74.00	-23.83	peak
3	11400.000	31.25	17.20	48.45	74.00	-25.55	peak
4	12665.000	28.41	20.09	48.50	74.00	-25.50	peak
5	13842.000	27.75	23.29	51.04	68.20	-17.16	peak
6	17956.000	21.32	28.10	49.42	74.00	-24.58	peak

Test Mode:	802.11n HT20	Frequency(MHz):	5825
Polarity:	Horizontal	Test Voltage:	DC 7.16V



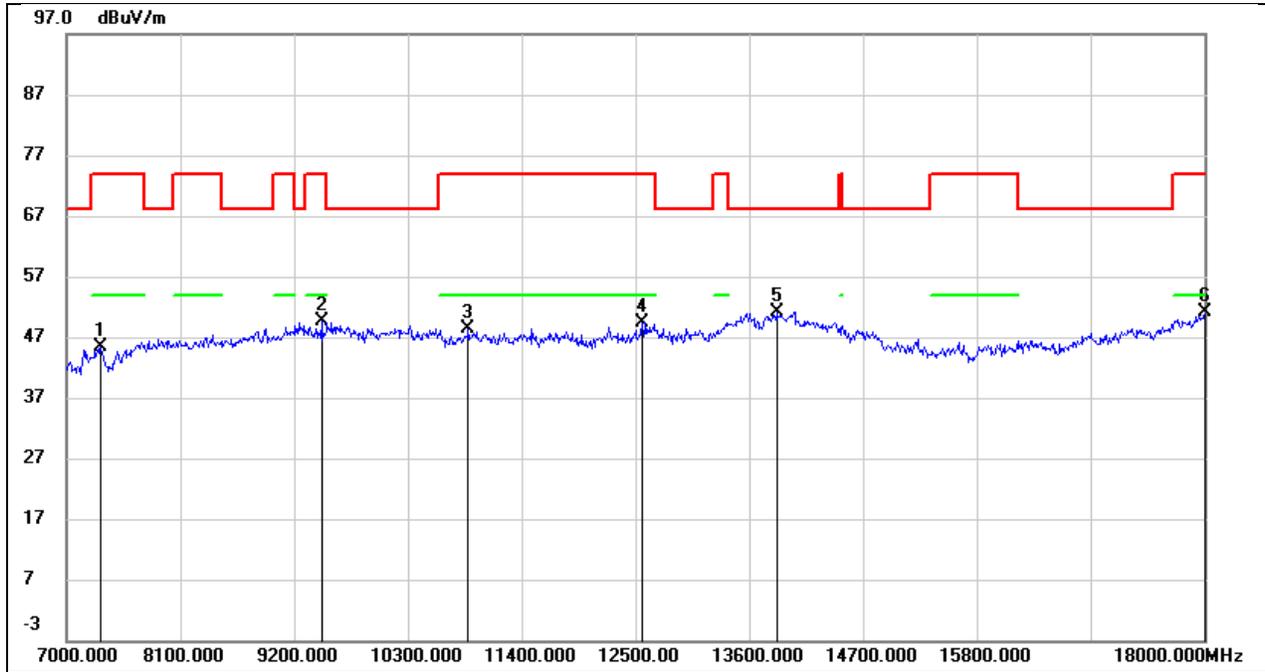
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8078.000	38.62	8.26	46.88	74.00	-27.12	peak
2	9343.000	37.01	11.86	48.87	74.00	-25.13	peak
3	11411.000	32.58	17.24	49.82	74.00	-24.18	peak
4	12676.000	27.76	20.14	47.90	74.00	-26.10	peak
5	13644.000	28.23	22.72	50.95	68.20	-17.25	peak
6	17989.000	21.93	28.40	50.33	74.00	-23.67	peak

Test Mode:	802.11n HT20	Frequency(MHz):	5825
Polarity:	Vertical	Test Voltage:	DC 7.16V



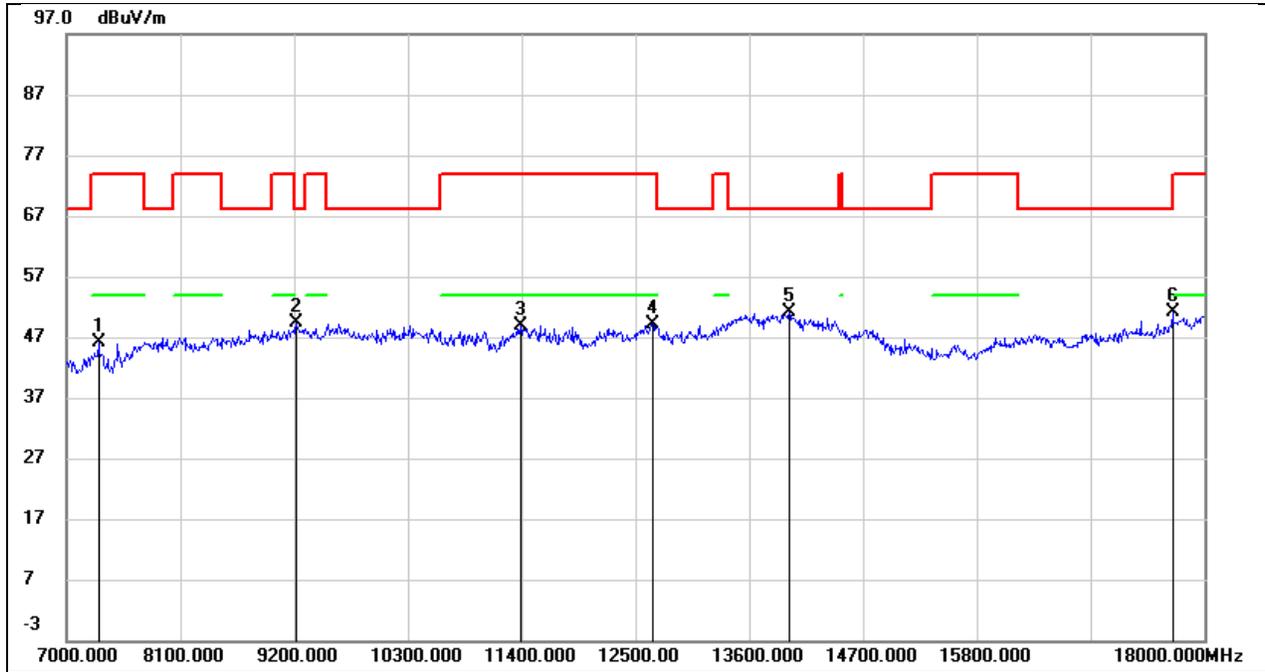
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7297.000	38.13	7.50	45.63	74.00	-28.37	peak
2	9266.000	37.80	11.62	49.42	68.20	-18.78	peak
3	10542.000	36.15	14.15	50.30	68.20	-17.90	peak
4	11653.000	35.38	17.88	53.26	74.00	-20.74	peak
5	11653.000	24.28	17.88	42.16	54.00	-11.84	AVG
6	13941.000	27.93	23.68	51.61	68.20	-16.59	peak
7	17934.000	23.21	27.90	51.11	74.00	-22.89	peak

Test Mode:	802.11n HT40	Frequency(MHz):	5755
Polarity:	Horizontal	Test Voltage:	DC 7.16V



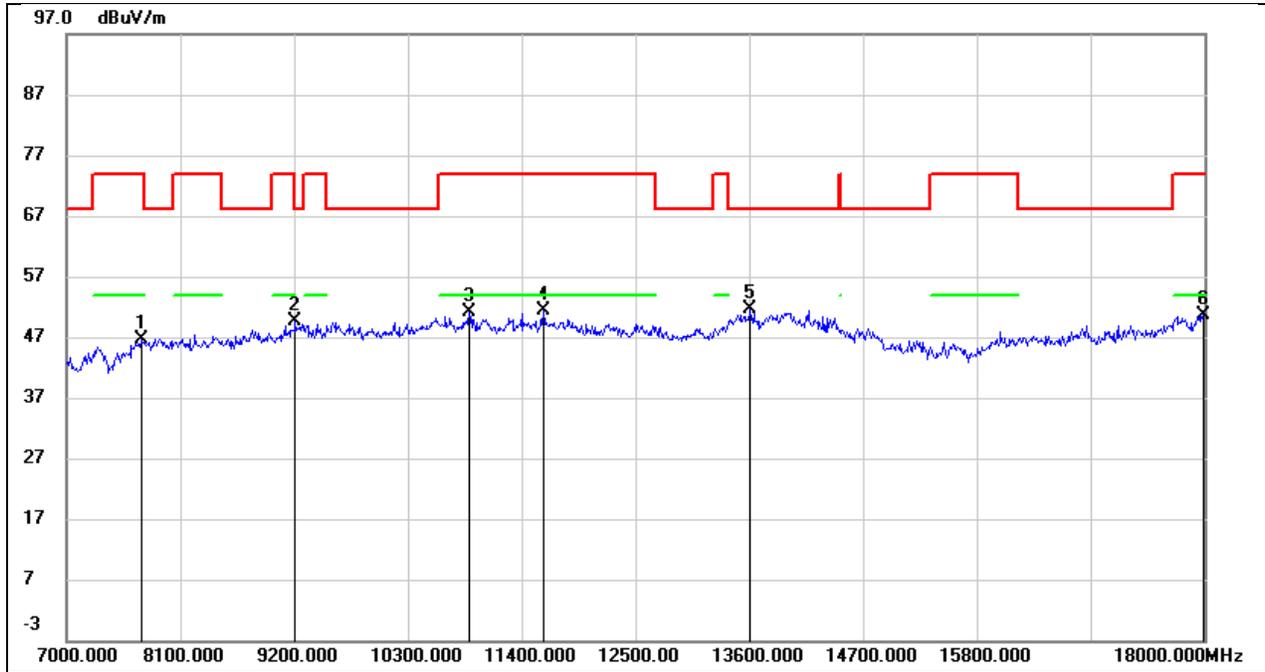
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7330.000	37.93	7.50	45.43	74.00	-28.57	peak
2	9464.000	37.13	12.43	49.56	74.00	-24.44	peak
3	10883.000	33.36	15.10	48.46	74.00	-25.54	peak
4	12566.000	29.52	19.85	49.37	74.00	-24.63	peak
5	13864.000	27.81	23.39	51.20	68.20	-17.00	peak
6	18000.000	22.63	28.51	51.14	74.00	-22.86	peak

Test Mode:	802.11n HT40	Frequency(MHz):	5755
Polarity:	Vertical	Test Voltage:	DC 7.16V



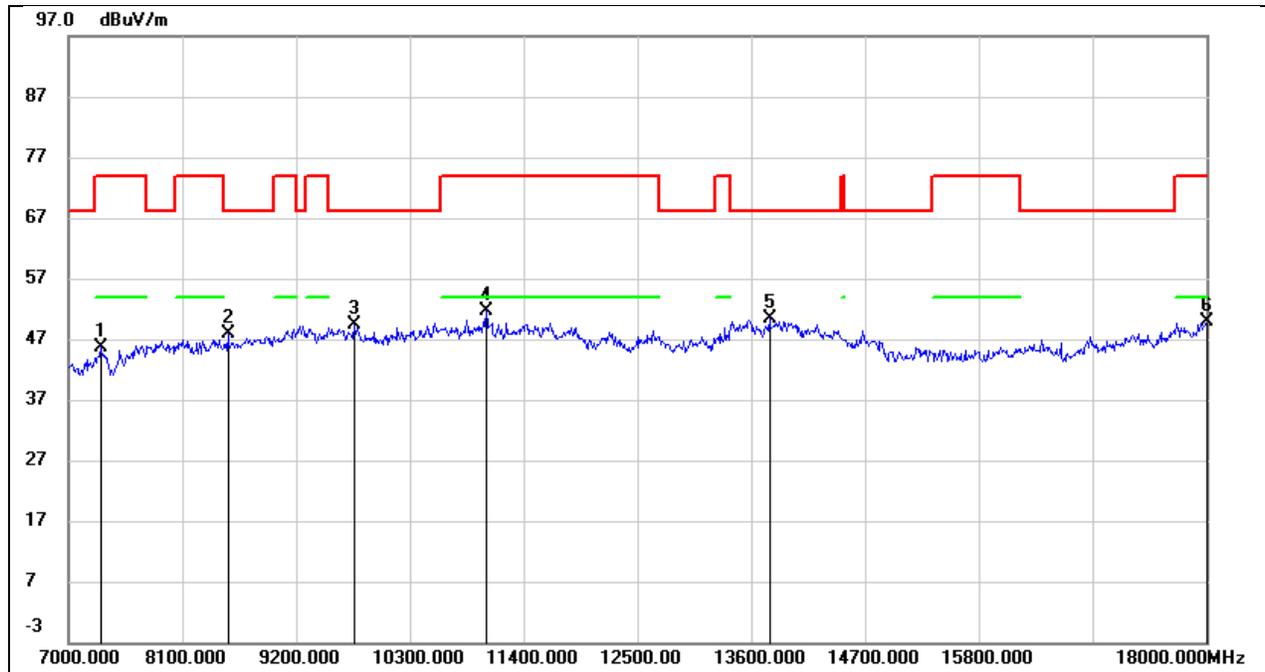
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7308.000	38.63	7.49	46.12	74.00	-27.88	peak
2	9222.000	37.81	11.49	49.30	68.20	-18.90	peak
3	11389.000	31.79	17.15	48.94	74.00	-25.06	peak
4	12665.000	29.06	20.09	49.15	74.00	-24.85	peak
5	13985.000	27.25	23.85	51.10	68.20	-17.10	peak
6	17692.000	25.28	25.77	51.05	68.20	-17.15	peak

Test Mode:	802.11n HT40	Frequency(MHz):	5795
Polarity:	Horizontal	Test Voltage:	DC 7.16V



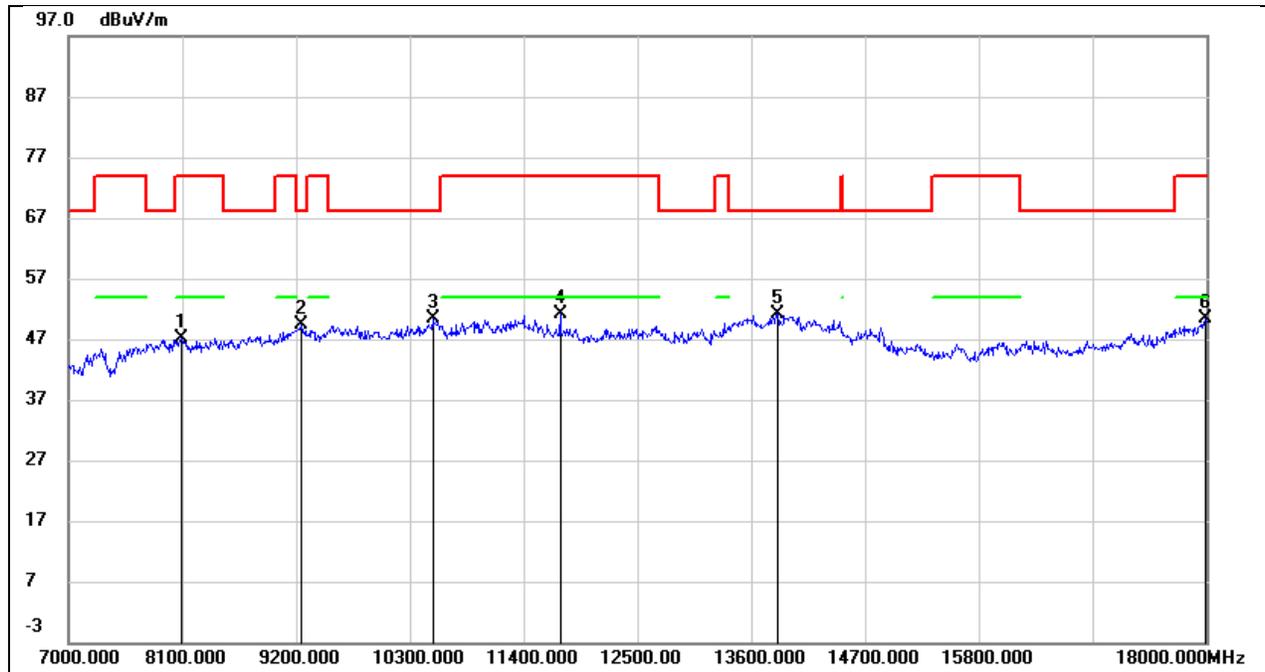
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7726.000	38.81	7.83	46.64	74.00	-27.36	peak
2	9211.000	38.25	11.45	49.70	68.20	-18.50	peak
3	10894.000	36.10	15.14	51.24	74.00	-22.76	peak
4	11609.000	33.42	17.88	51.30	74.00	-22.70	peak
5	13611.000	28.90	22.63	51.53	68.20	-16.67	peak
6	17989.000	22.25	28.40	50.65	74.00	-23.35	peak

Test Mode:	802.11n HT40	Frequency(MHz):	5795
Polarity:	Vertical	Test Voltage:	DC 7.16V



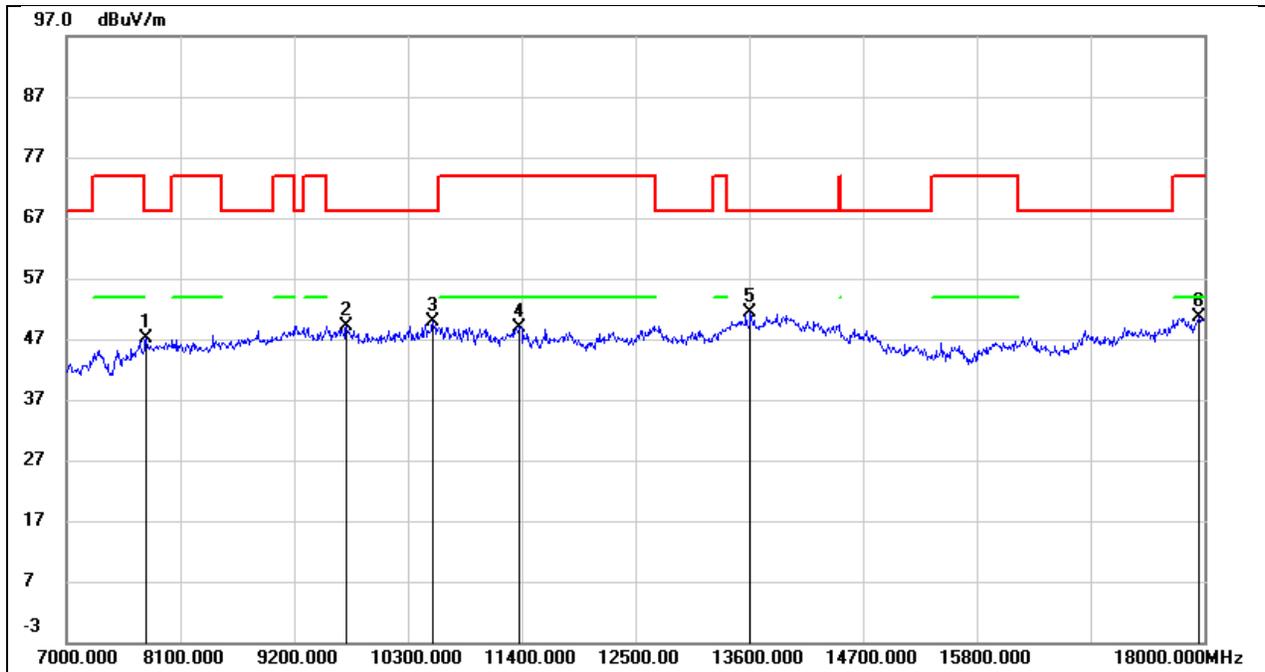
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7308.000	38.03	7.49	45.52	74.00	-28.48	peak
2	8540.000	39.07	8.75	47.82	68.20	-20.38	peak
3	9761.000	35.85	13.58	49.43	68.20	-18.77	peak
4	11037.000	36.04	15.62	51.66	74.00	-22.34	peak
5	13776.000	27.27	23.07	50.34	68.20	-17.86	peak
6	18000.000	21.38	28.51	49.89	74.00	-24.11	peak

Test Mode:	802.11ac VHT80	Frequency(MHz):	5775
Polarity:	Horizontal	Test Voltage:	DC 7.16V



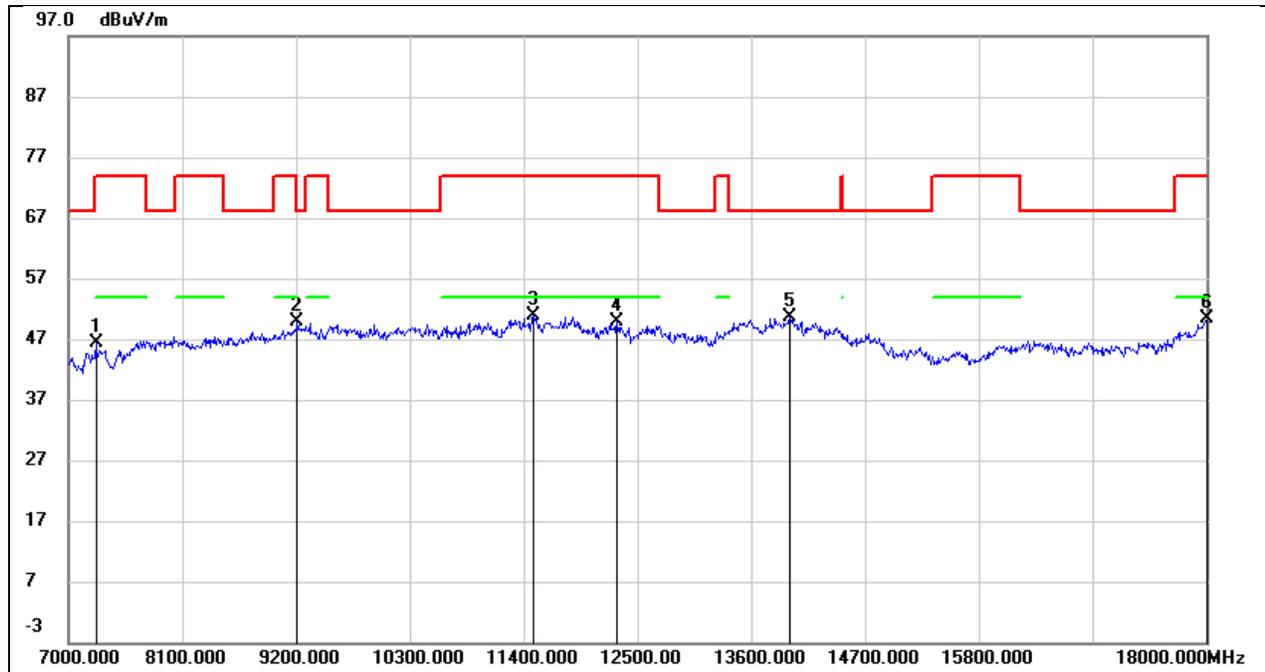
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8089.000	38.85	8.28	47.13	74.00	-26.87	peak
2	9255.000	37.69	11.59	49.28	68.20	-18.92	peak
3	10520.000	36.18	14.08	50.26	68.20	-17.94	peak
4	11752.000	33.14	17.91	51.05	74.00	-22.95	peak
5	13853.000	27.89	23.34	51.23	68.20	-16.97	peak
6	17989.000	21.94	28.40	50.34	74.00	-23.66	peak

Test Mode:	802.11ac VHT80	Frequency(MHz):	5775
Polarity:	Vertical	Test Voltage:	DC 7.16V



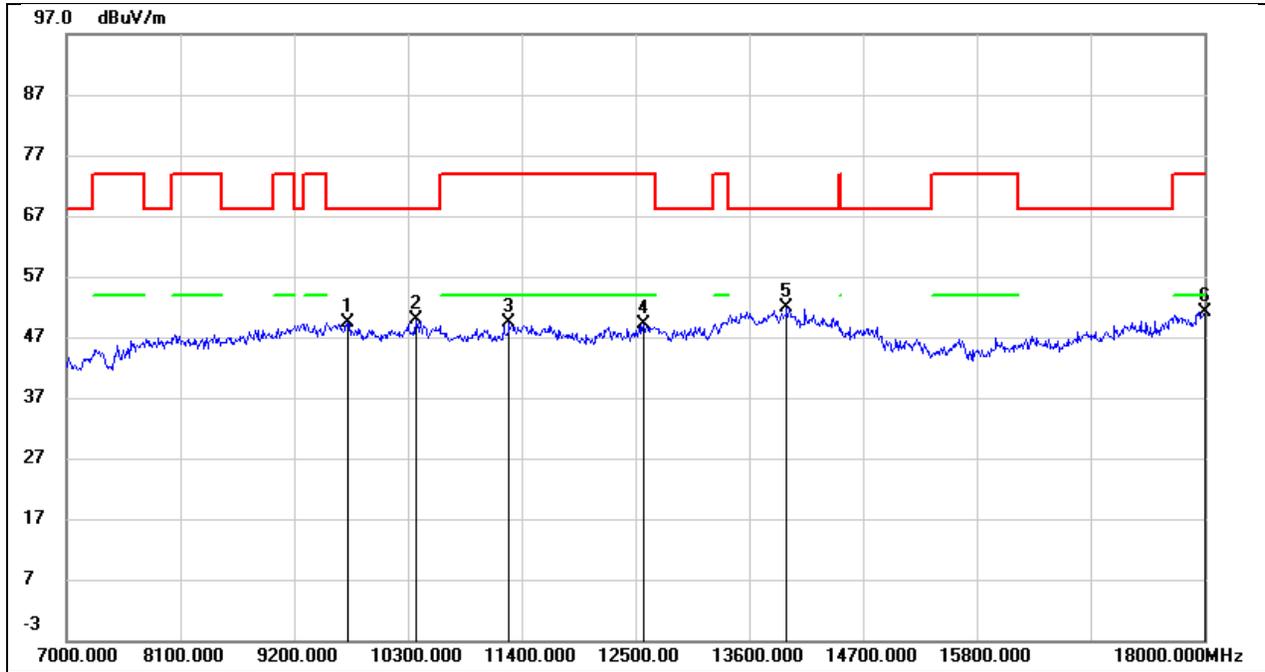
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7770.000	39.33	7.90	47.23	68.20	-20.97	peak
2	9706.000	35.76	13.49	49.25	68.20	-18.95	peak
3	10542.000	35.68	14.15	49.83	68.20	-18.37	peak
4	11378.000	31.74	17.10	48.84	74.00	-25.16	peak
5	13611.000	28.65	22.63	51.28	68.20	-16.92	peak
6	17945.000	22.51	28.01	50.52	74.00	-23.48	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 7.16V



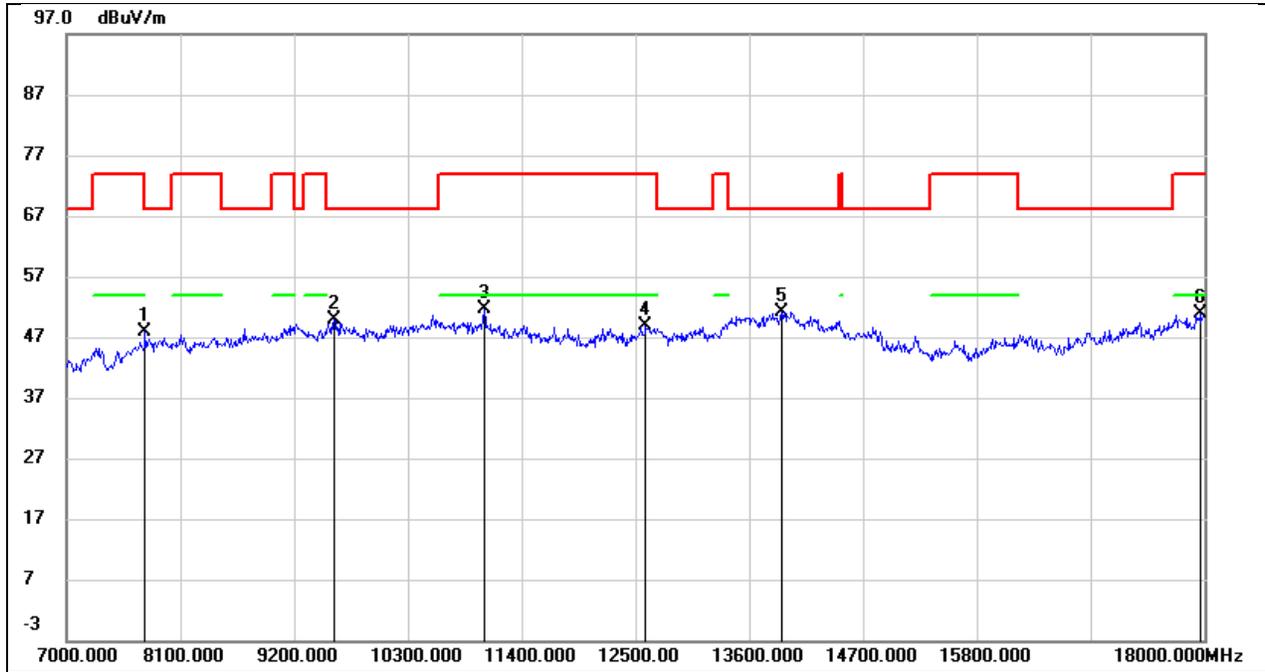
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7264.000	38.93	7.49	46.42	74.00	-27.58	peak
2	9211.000	38.44	11.45	49.89	68.20	-18.31	peak
3	11499.000	33.39	17.53	50.92	74.00	-23.08	peak
4	12302.000	30.57	19.37	49.94	74.00	-24.06	peak
5	13974.000	26.71	23.81	50.52	68.20	-17.68	peak
6	18000.000	21.75	28.51	50.26	74.00	-23.74	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	5745
Polarity:	Vertical	Test Voltage:	DC 7.16V



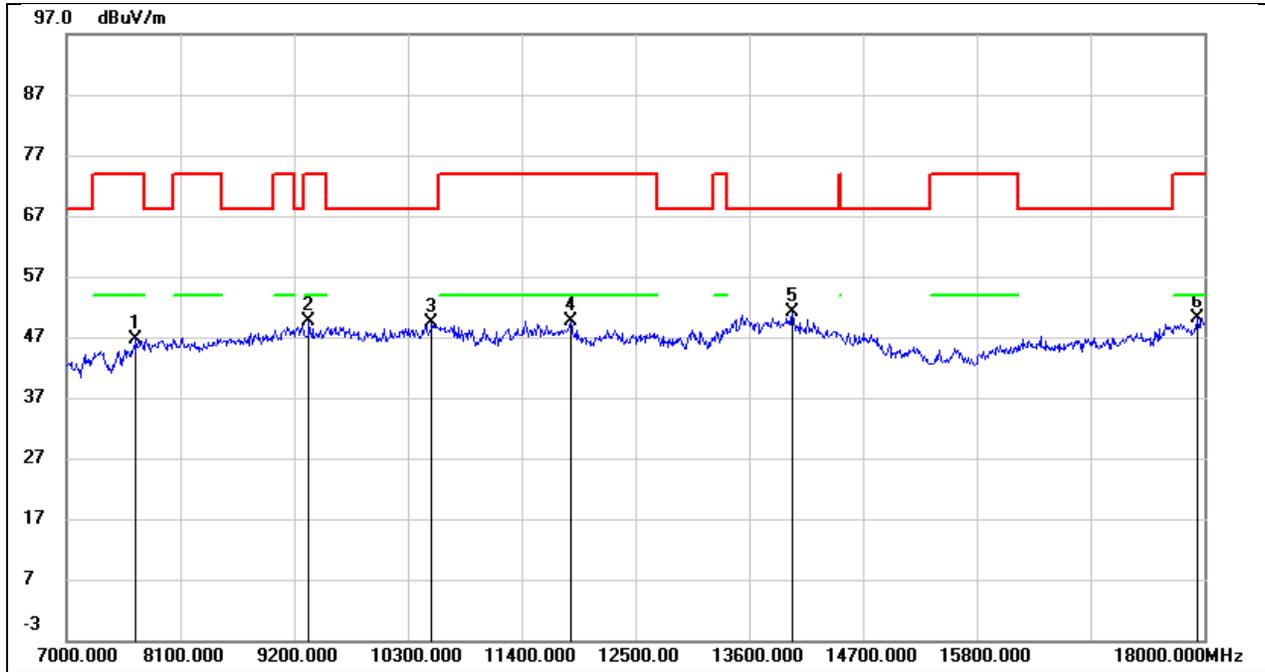
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9717.000	35.87	13.50	49.37	68.20	-18.83	peak
2	10377.000	36.08	13.69	49.77	68.20	-18.43	peak
3	11279.000	32.63	16.64	49.27	74.00	-24.73	peak
4	12577.000	29.23	19.87	49.10	74.00	-24.90	peak
5	13963.000	28.12	23.77	51.89	68.20	-16.31	peak
6	18000.000	22.54	28.51	51.05	74.00	-22.95	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	5785
Polarity:	Horizontal	Test Voltage:	DC 7.16V



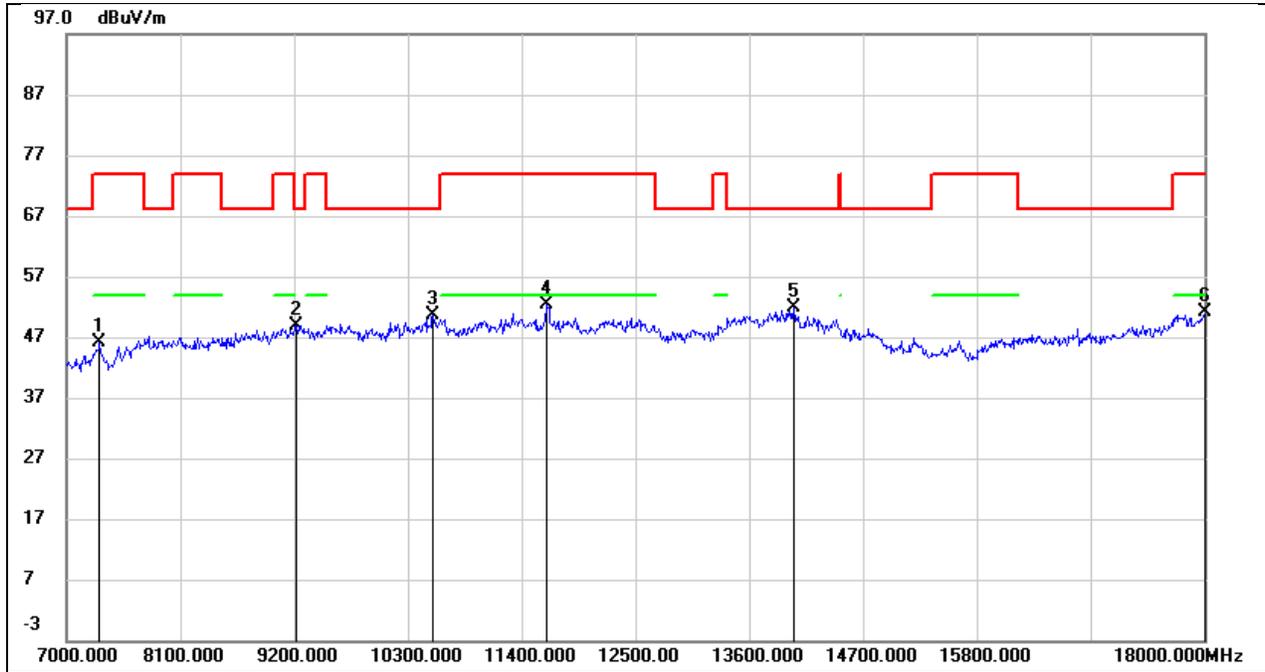
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7759.000	40.10	7.88	47.98	68.20	-20.22	peak
2	9585.000	36.68	13.19	49.87	68.20	-18.33	peak
3	11037.000	35.98	15.62	51.60	74.00	-22.40	peak
4	12599.000	29.03	19.88	48.91	74.00	-25.09	peak
5	13908.000	27.60	23.56	51.16	68.20	-17.04	peak
6	17967.000	22.73	28.21	50.94	74.00	-23.06	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	5785
Polarity:	Vertical	Test Voltage:	DC 7.16V



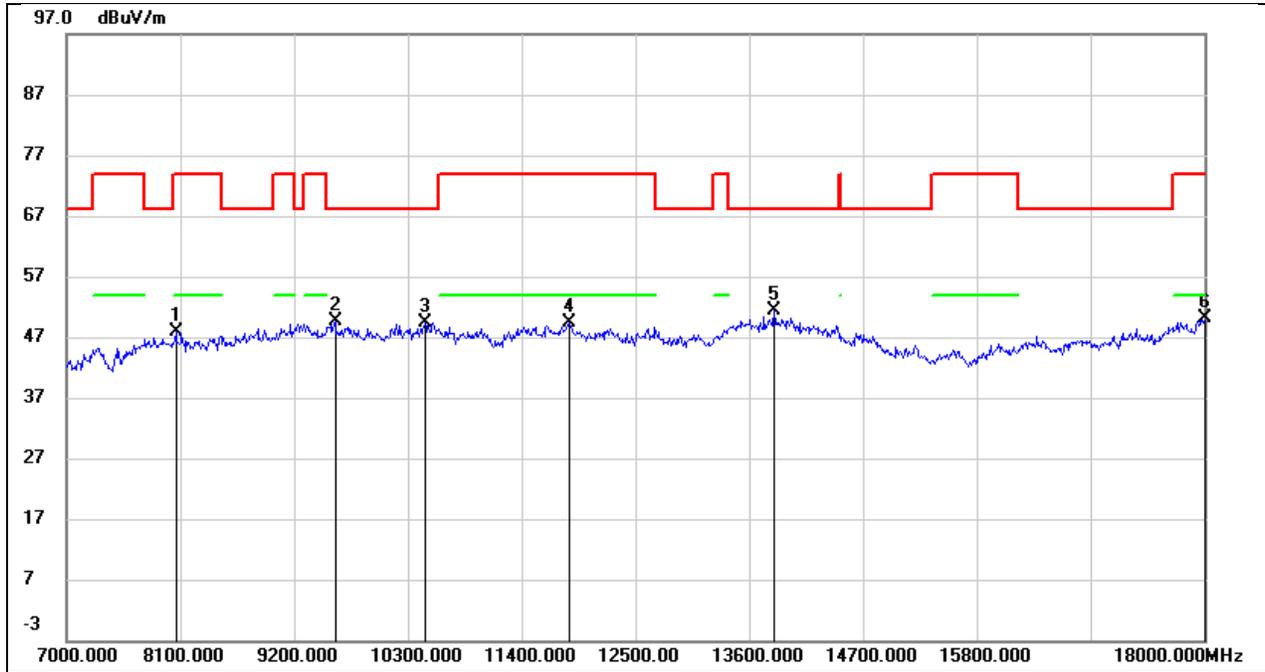
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7671.000	39.00	7.75	46.75	74.00	-27.25	peak
2	9343.000	37.69	11.86	49.55	74.00	-24.45	peak
3	10531.000	35.19	14.12	49.31	68.20	-18.89	peak
4	11873.000	31.54	18.16	49.70	74.00	-24.30	peak
5	14018.000	27.31	23.83	51.14	68.20	-17.06	peak
6	17934.000	22.20	27.90	50.10	74.00	-23.90	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	5825
Polarity:	Horizontal	Test Voltage:	DC 7.16V



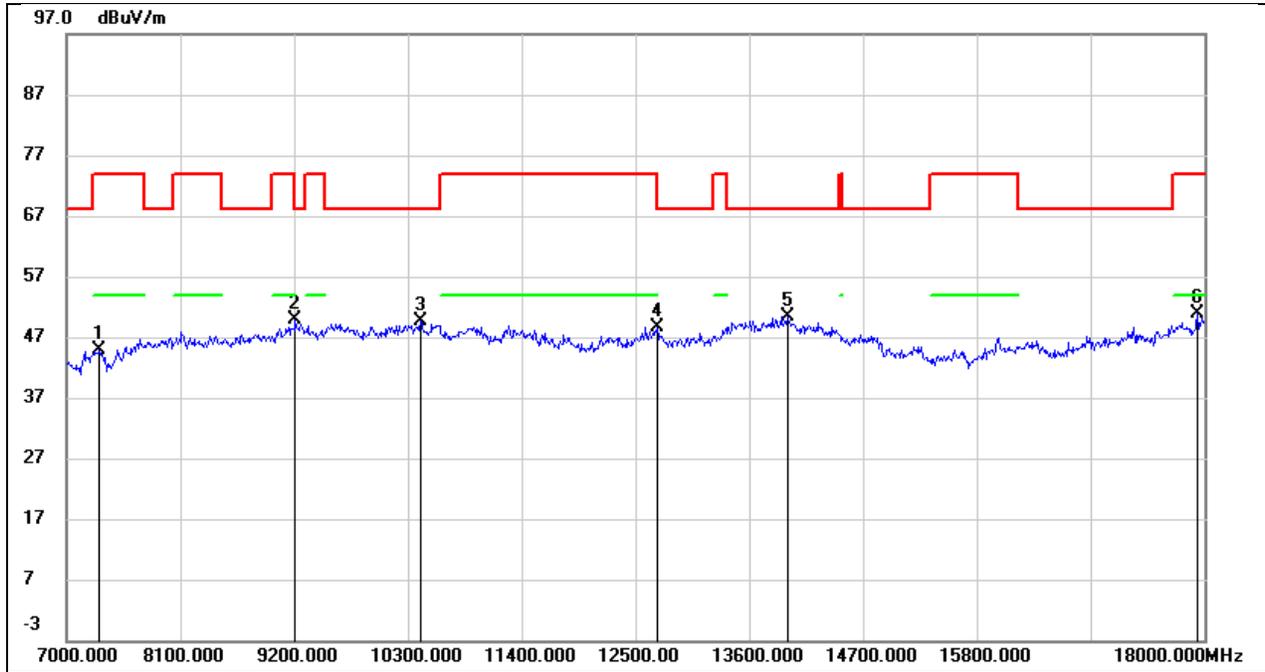
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7319.000	38.52	7.50	46.02	74.00	-27.98	peak
2	9222.000	37.44	11.49	48.93	68.20	-19.27	peak
3	10542.000	36.42	14.15	50.57	68.20	-17.63	peak
4	11642.000	34.40	17.88	52.28	74.00	-21.72	peak
5	14029.000	28.15	23.76	51.91	68.20	-16.29	peak
6	18000.000	22.54	28.51	51.05	74.00	-22.95	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	5825
Polarity:	Vertical	Test Voltage:	DC 7.16V



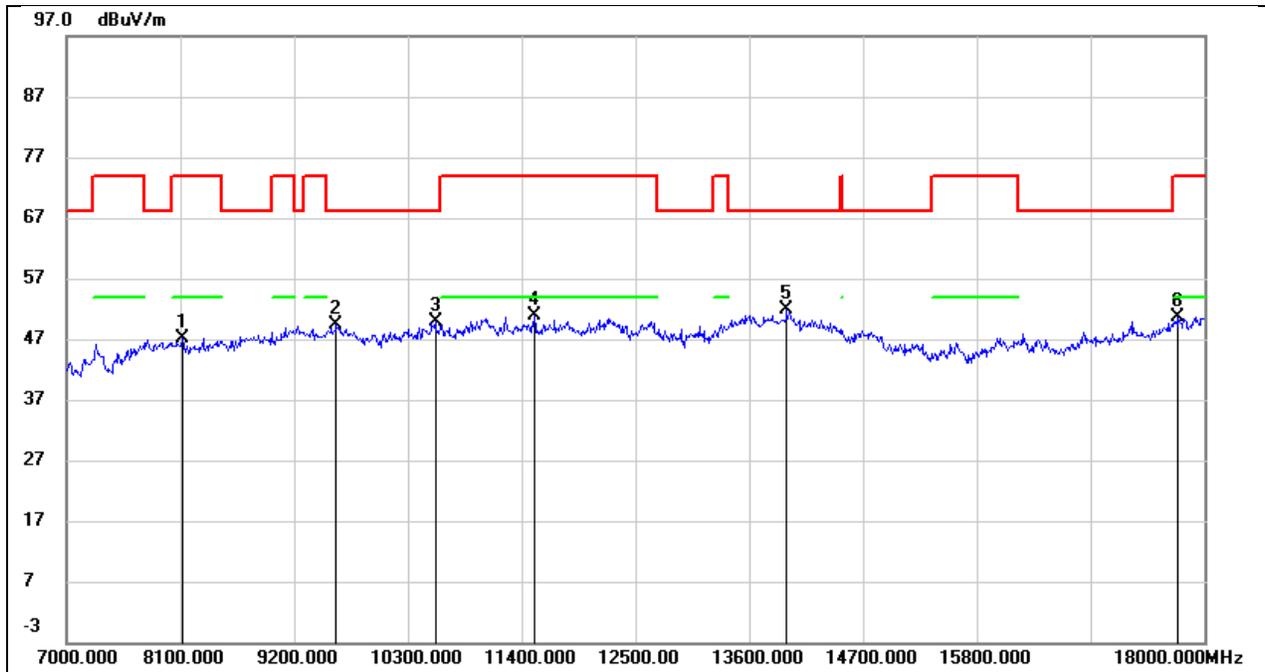
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8056.000	39.68	8.24	47.92	74.00	-26.08	peak
2	9596.000	36.48	13.26	49.74	68.20	-18.46	peak
3	10465.000	35.37	13.93	49.30	68.20	-18.90	peak
4	11862.000	31.13	18.13	49.26	74.00	-24.74	peak
5	13842.000	28.05	23.29	51.34	68.20	-16.86	peak
6	18000.000	21.50	28.51	50.01	74.00	-23.99	peak

Test Mode:	802.11ax HE40	Frequency(MHz):	5755
Polarity:	Horizontal	Test Voltage:	DC 7.16V



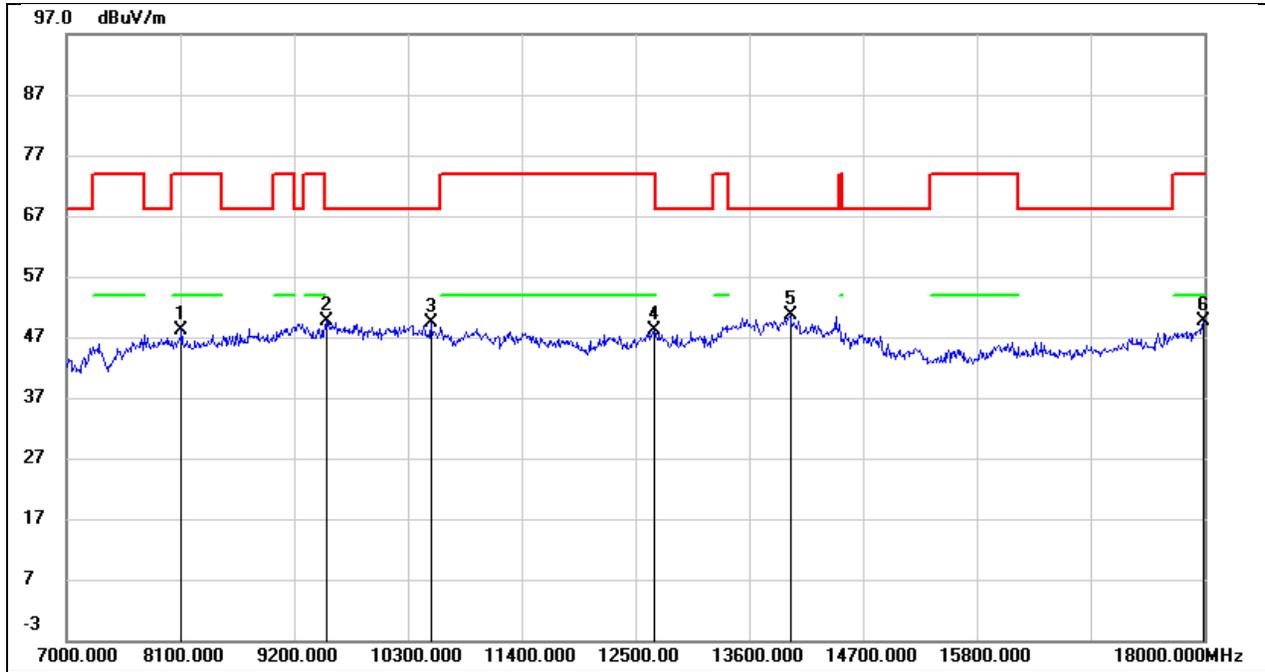
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7319.000	37.36	7.50	44.86	74.00	-29.14	peak
2	9211.000	38.54	11.45	49.99	68.20	-18.21	peak
3	10421.000	35.73	13.79	49.52	68.20	-18.68	peak
4	12709.000	28.35	20.24	48.59	68.20	-19.61	peak
5	13974.000	26.62	23.81	50.43	68.20	-17.77	peak
6	17934.000	22.99	27.90	50.89	74.00	-23.11	peak

Test Mode:	802.11ax HE40	Frequency(MHz):	5755
Polarity:	Vertical	Test Voltage:	DC 7.16V



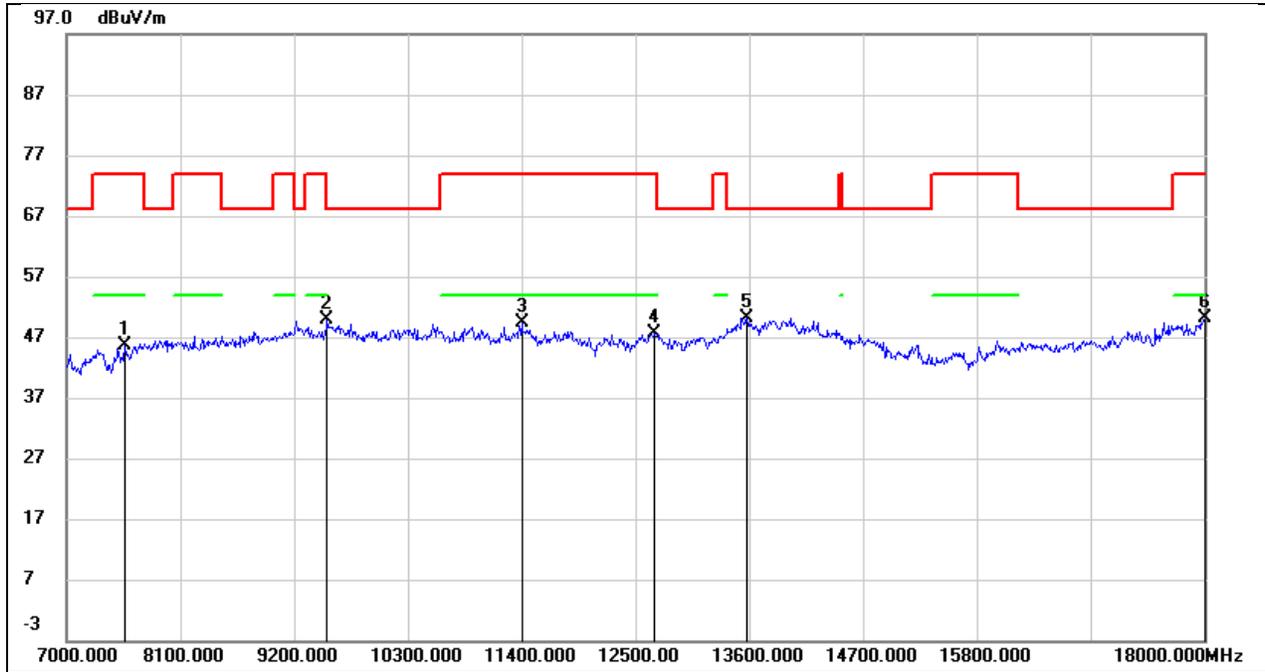
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8122.000	38.76	8.32	47.08	74.00	-26.92	peak
2	9607.000	36.14	13.30	49.44	68.20	-18.76	peak
3	10564.000	35.66	14.20	49.86	68.20	-18.34	peak
4	11521.000	33.38	17.60	50.98	74.00	-23.02	peak
5	13963.000	28.22	23.77	51.99	68.20	-16.21	peak
6	17747.000	24.47	26.23	50.70	74.00	-23.30	peak

Test Mode:	802.11ax HE40	Frequency(MHz):	5795
Polarity:	Horizontal	Test Voltage:	DC 7.16V



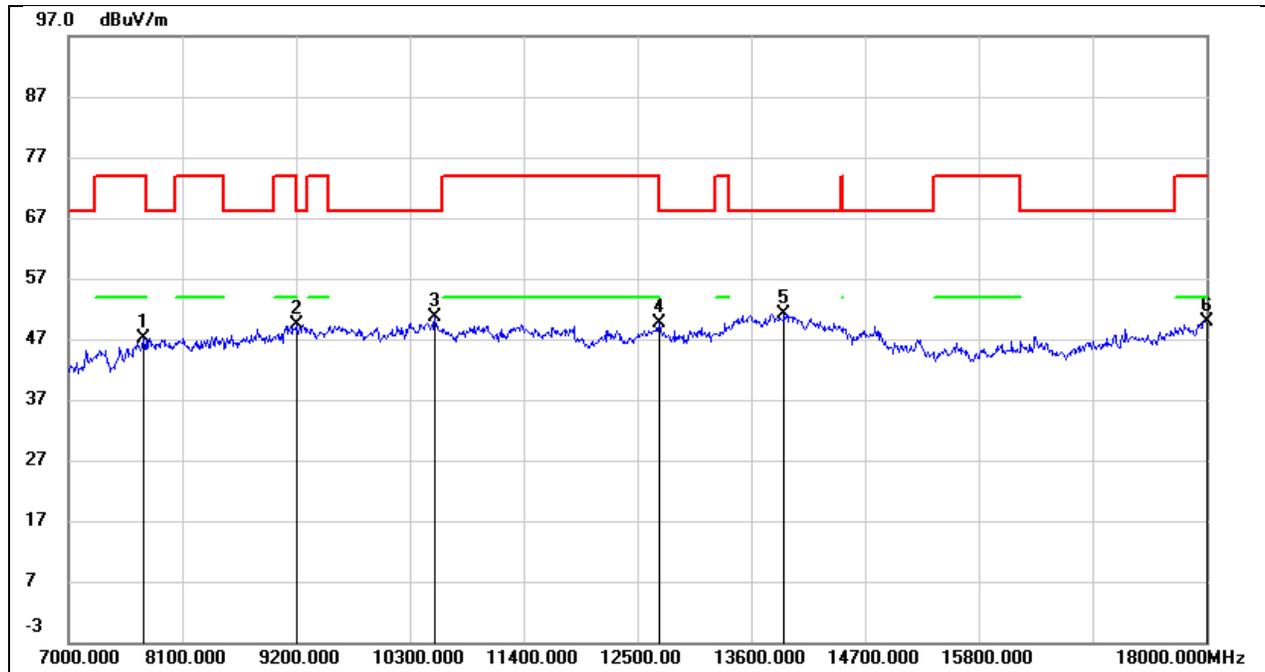
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8111.000	39.95	8.30	48.25	74.00	-25.75	peak
2	9519.000	36.95	12.77	49.72	68.20	-18.48	peak
3	10520.000	35.26	14.08	49.34	68.20	-18.86	peak
4	12687.000	27.95	20.17	48.12	74.00	-25.88	peak
5	13996.000	26.69	23.89	50.58	68.20	-17.62	peak
6	17989.000	21.20	28.40	49.60	74.00	-24.40	peak

Test Mode:	802.11ax HE40	Frequency(MHz):	5795
Polarity:	Vertical	Test Voltage:	DC 7.16V



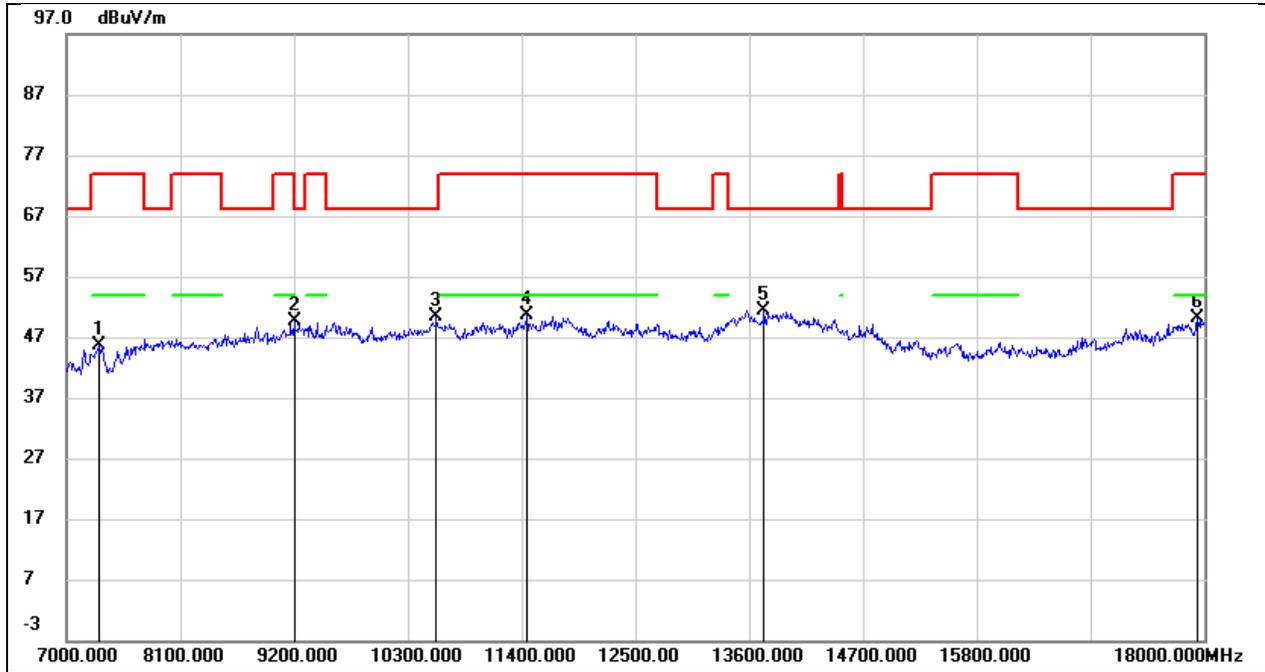
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7561.000	38.09	7.59	45.68	74.00	-28.32	peak
2	9519.000	37.00	12.77	49.77	68.20	-18.43	peak
3	11400.000	32.13	17.20	49.33	74.00	-24.67	peak
4	12687.000	27.39	20.17	47.56	74.00	-26.44	peak
5	13578.000	27.66	22.56	50.22	68.20	-17.98	peak
6	18000.000	21.54	28.51	50.05	74.00	-23.95	peak

Test Mode:	802.11ax HE80	Frequency(MHz):	5775
Polarity:	Horizontal	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7726.000	39.32	7.83	47.15	74.00	-26.85	peak
2	9200.000	38.05	11.42	49.47	68.20	-18.73	peak
3	10542.000	36.50	14.15	50.65	68.20	-17.55	peak
4	12709.000	29.31	20.24	49.55	68.20	-18.65	peak
5	13919.000	27.63	23.60	51.23	68.20	-16.97	peak
6	18000.000	21.48	28.51	49.99	74.00	-24.01	peak

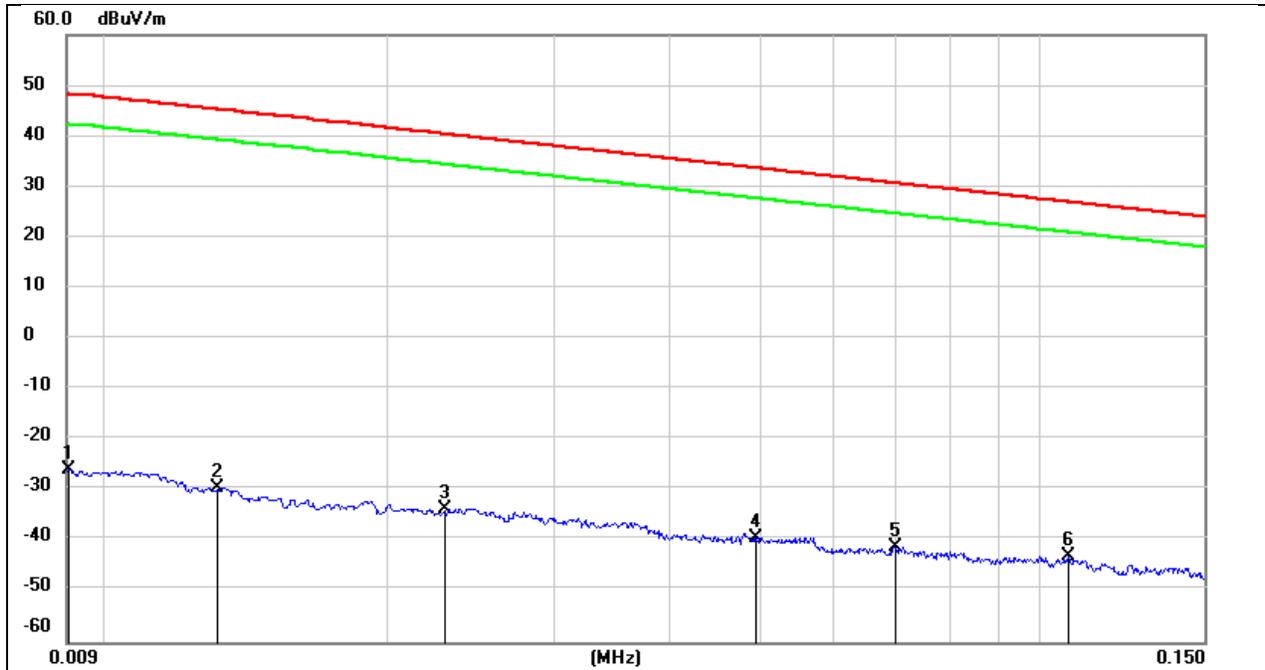
Test Mode:	802.11ax HE80	Frequency(MHz):	5775
Polarity:	Vertical	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7308.000	38.09	7.49	45.58	74.00	-28.42	peak
2	9200.000	38.09	11.42	49.51	68.20	-18.69	peak
3	10575.000	36.13	14.24	50.37	68.20	-17.83	peak
4	11455.000	33.37	17.38	50.75	74.00	-23.25	peak
5	13743.000	28.46	22.99	51.45	68.20	-16.75	peak
6	17934.000	22.28	27.90	50.18	74.00	-23.82	peak

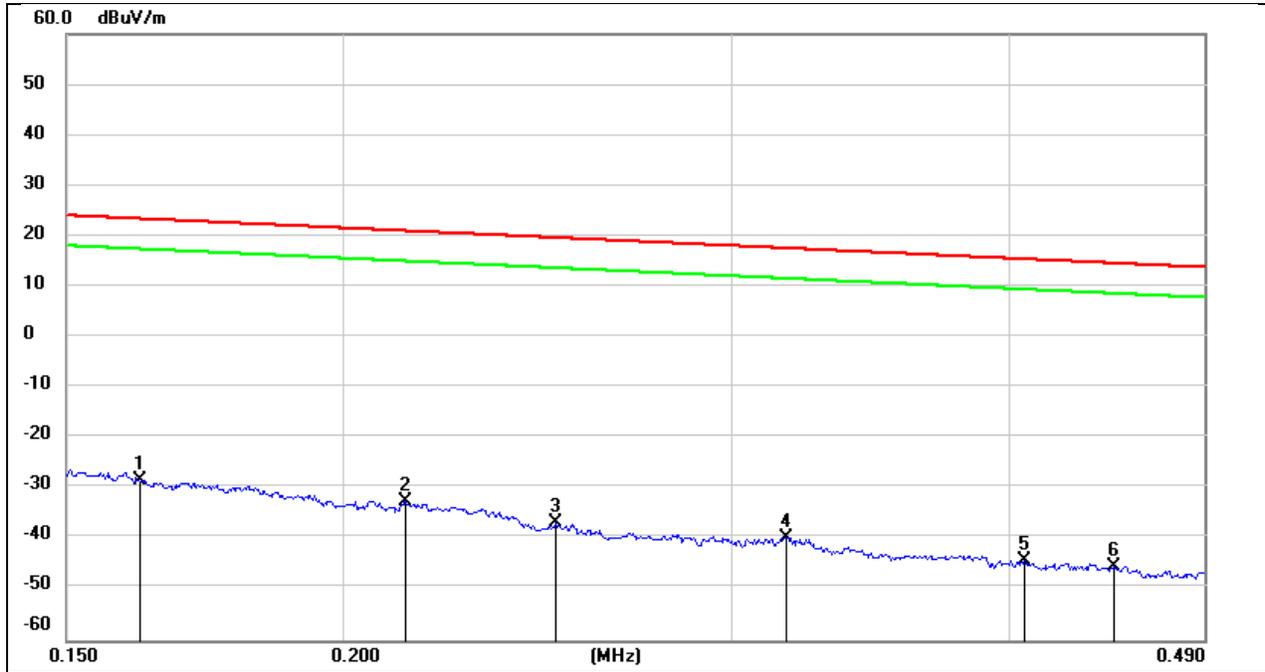
8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

Test Mode:	802.11a20	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 7.16V



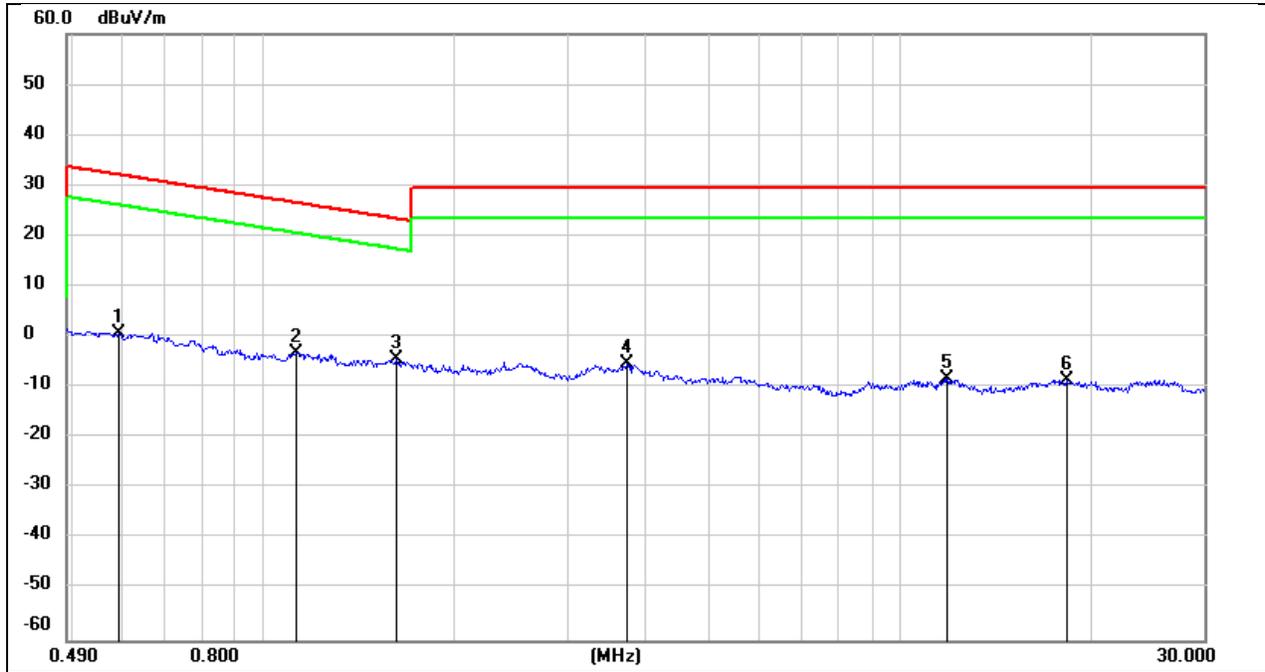
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	Margin (dB)	Remark
1	0.0091	75.29	-101.33	-26.04	48.28	-74.32	peak
2	0.0131	71.97	-101.38	-29.41	45.25	-74.66	peak
3	0.0229	67.69	-101.36	-33.67	40.40	-74.07	peak
4	0.0495	61.99	-101.48	-39.49	33.71	-73.20	peak
5	0.0700	60.41	-101.57	-41.16	30.70	-71.86	peak
6	0.1073	58.80	-101.77	-42.97	26.99	-69.96	peak

Test Mode:	802.11a20	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	Margin (dB)	Remark
1	0.1621	73.42	-101.65	-28.23	23.41	-51.64	peak
2	0.2136	69.15	-101.74	-32.59	21.01	-53.60	peak
3	0.2494	64.96	-101.80	-36.84	19.66	-56.50	peak
4	0.3173	62.26	-101.87	-39.61	17.57	-57.18	peak
5	0.4062	57.64	-101.96	-44.32	15.43	-59.75	peak
6	0.4460	56.58	-102.01	-45.43	14.62	-60.05	peak

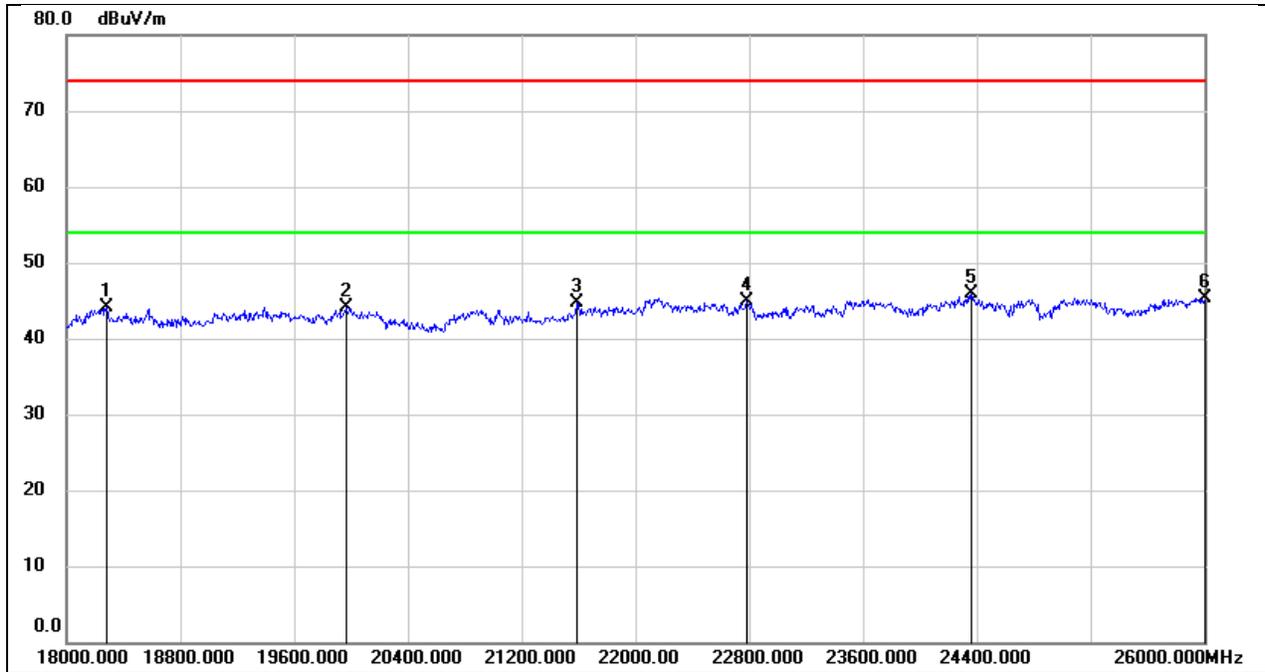
Test Mode:	802.11a20	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	Margin (dB)	Remark
1	0.5917	62.74	-62.08	0.66	32.16	-31.50	peak
2	1.1250	59.06	-62.21	-3.15	26.58	-29.73	peak
3	1.6149	57.62	-62.00	-4.38	23.44	-27.82	peak
4	3.7100	56.20	-61.41	-5.21	29.54	-34.75	peak
5	11.8513	52.56	-60.88	-8.32	29.54	-37.86	peak
6	18.2545	52.43	-60.90	-8.47	29.54	-38.01	peak

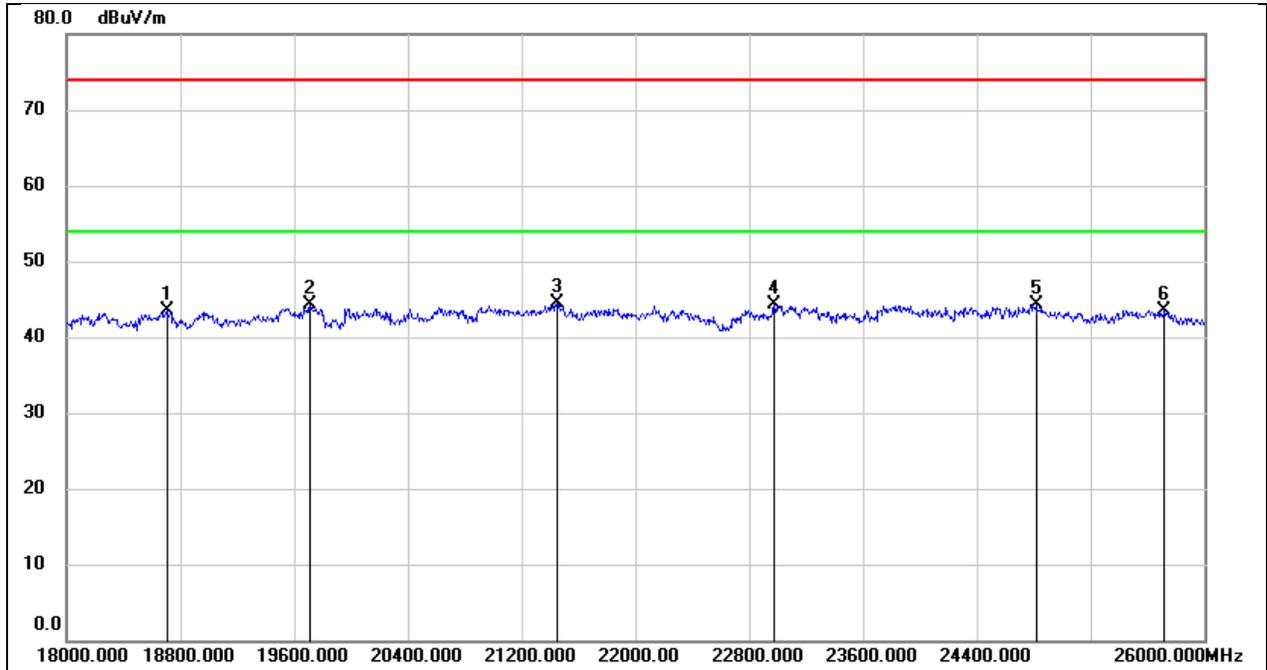
8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	802.11a 20	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18280.000	49.61	-5.52	44.09	74.00	-29.91	peak
2	19968.000	49.48	-5.42	44.06	74.00	-29.94	peak
3	21584.000	49.19	-4.56	44.63	74.00	-29.37	peak
4	22784.000	48.48	-3.65	44.83	74.00	-29.17	peak
5	24360.000	48.53	-2.61	45.92	74.00	-28.08	peak
6	26000.000	46.39	-1.06	45.33	74.00	-28.67	peak

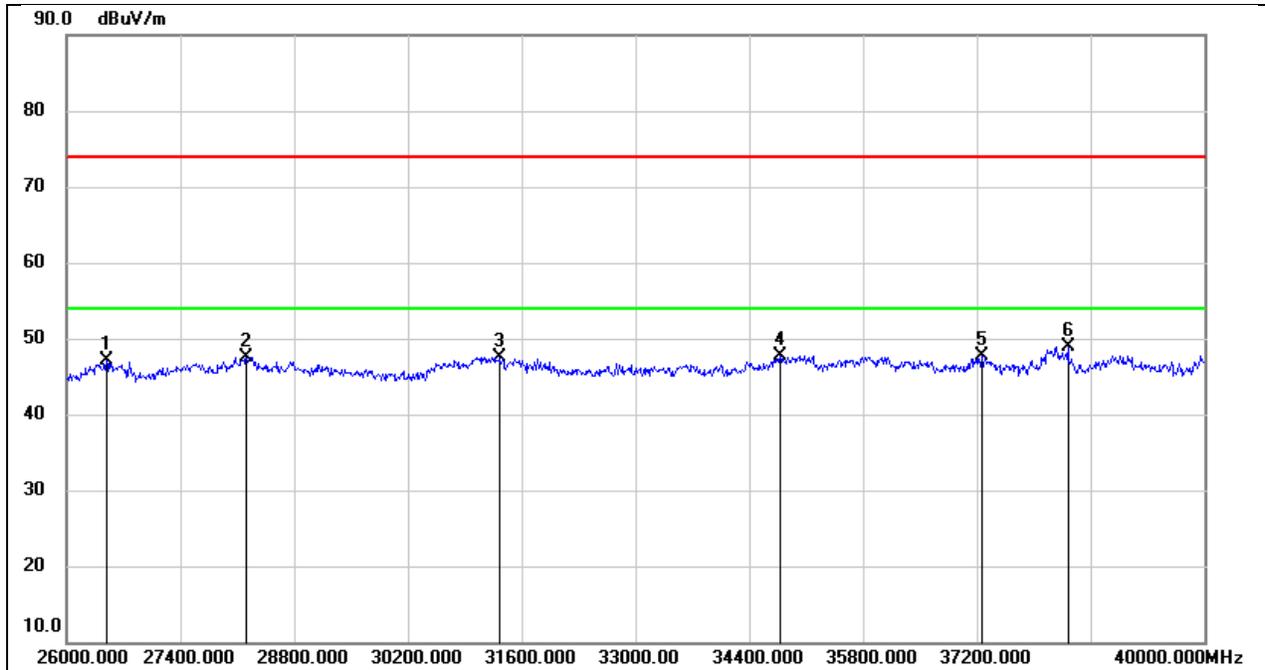
Test Mode:	802.11a 20	Frequency(MHz):	5745
Polarity:	Vertical	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18712.000	48.90	-5.40	43.50	74.00	-30.50	peak
2	19712.000	49.51	-5.29	44.22	74.00	-29.78	peak
3	21448.000	49.25	-4.71	44.54	74.00	-29.46	peak
4	22976.000	47.76	-3.46	44.30	74.00	-29.70	peak
5	24816.000	46.61	-2.27	44.34	74.00	-29.66	peak
6	25720.000	44.25	-0.75	43.50	74.00	-30.50	peak

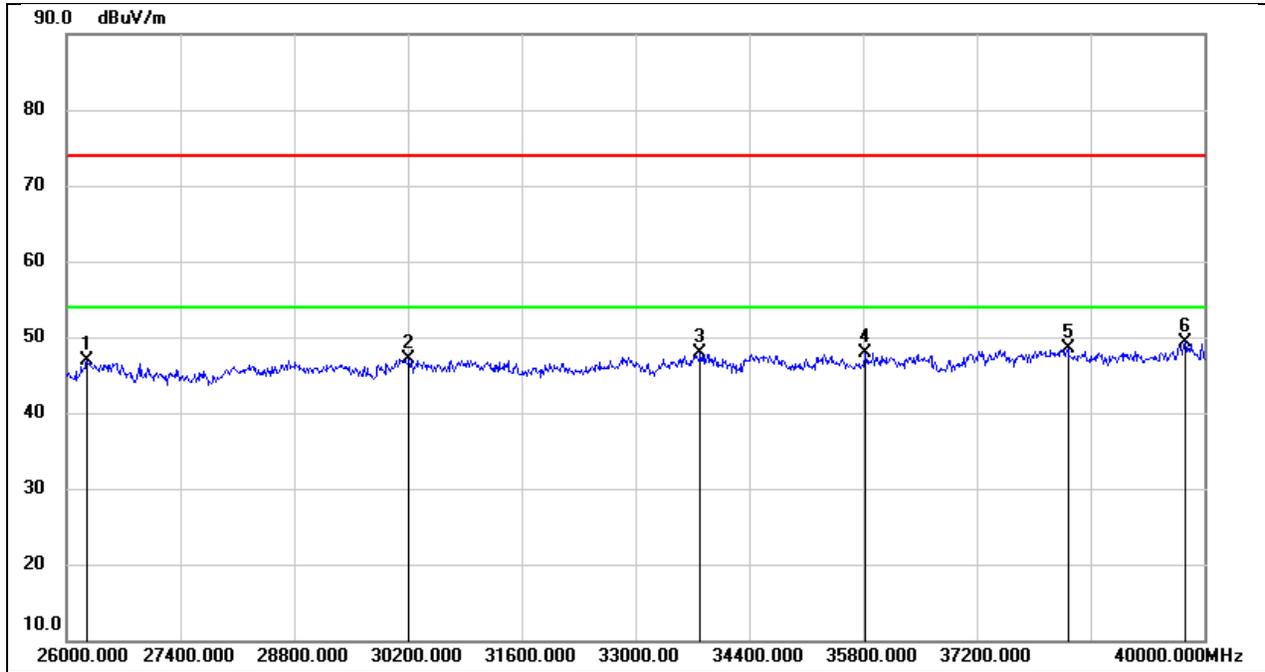
8.6. SPURIOUS EMISSIONS(26 GHZ~40 GHZ)

Test Mode:	802.11a 20	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	26490.000	51.79	-4.74	47.05	74.00	-26.95	peak
2	28212.000	50.12	-2.64	47.48	74.00	-26.52	peak
3	31334.000	48.52	-0.94	47.58	74.00	-26.42	peak
4	34778.000	46.13	1.54	47.67	74.00	-26.33	peak
5	37256.000	44.51	3.14	47.65	74.00	-26.35	peak
6	38320.000	45.06	3.77	48.83	74.00	-25.17	peak

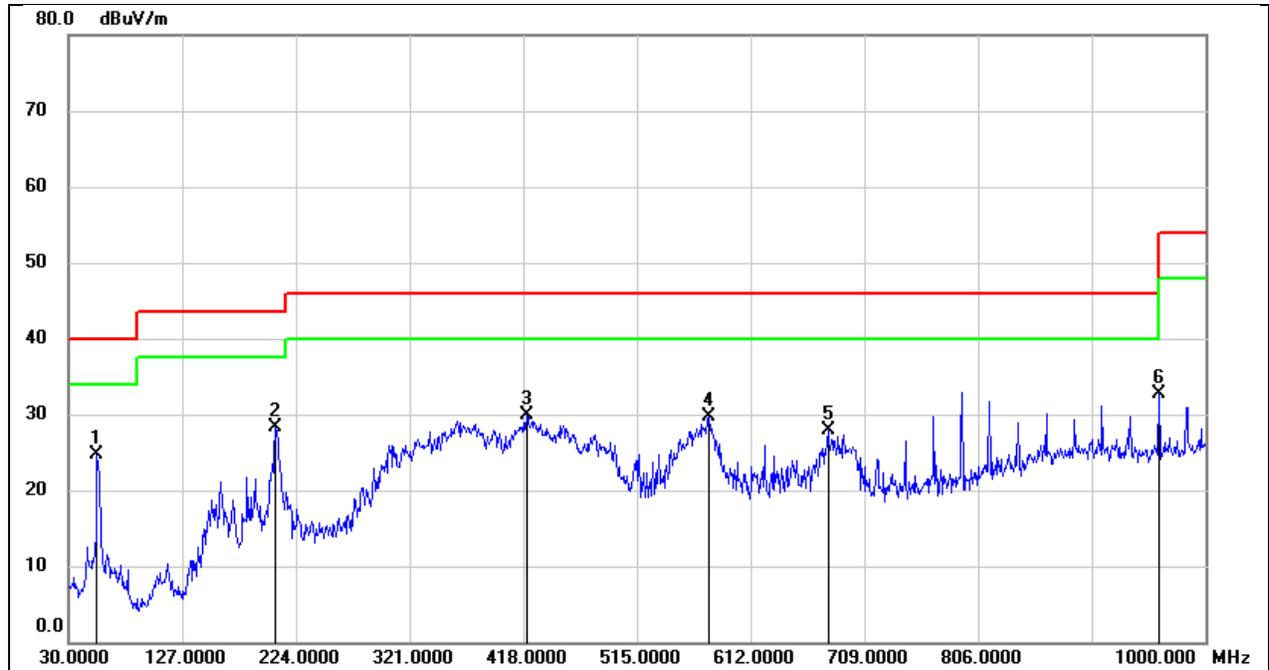
Test Mode:	802.11a 20	Frequency(MHz):	5745
Polarity:	Vertical	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	26252.000	52.18	-5.35	46.83	74.00	-27.17	peak
2	30214.000	48.38	-1.31	47.07	74.00	-26.93	peak
3	33798.000	47.37	0.46	47.83	74.00	-26.17	peak
4	35828.000	44.25	3.67	47.92	74.00	-26.08	peak
5	38320.000	44.66	3.77	48.43	74.00	-25.57	peak
6	39762.000	44.59	4.81	49.40	74.00	-24.60	peak

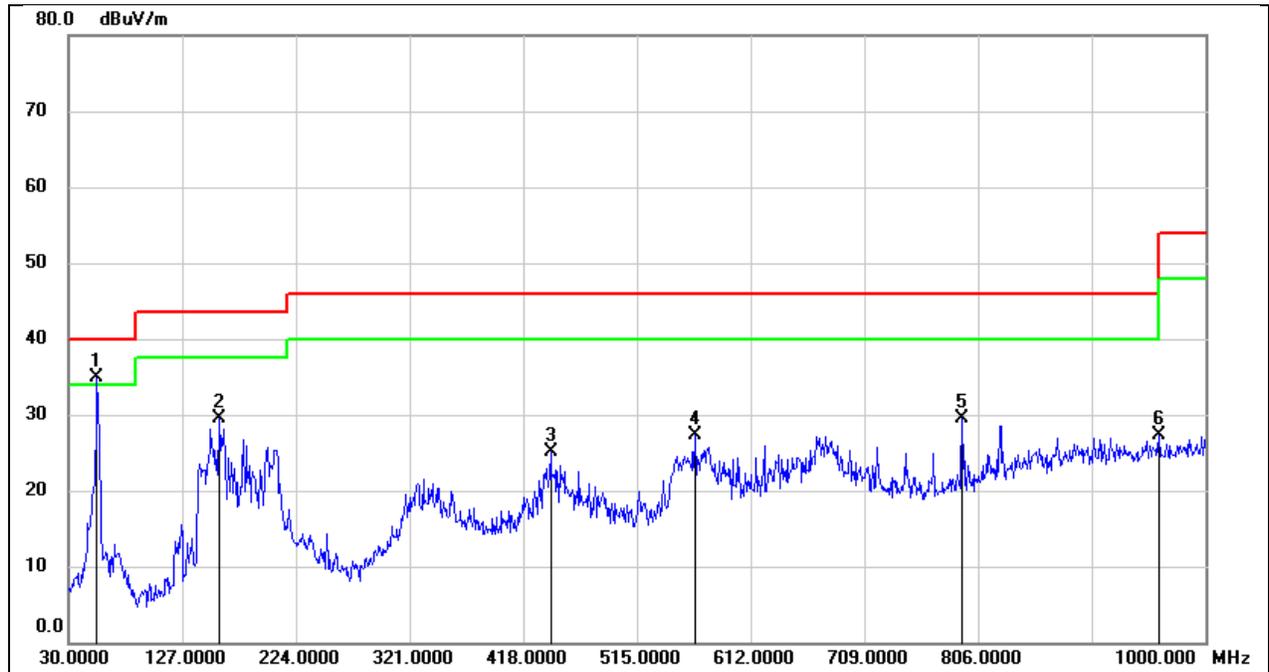
8.7. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	802.11a 20	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	54.2500	39.71	-15.02	24.69	40.00	-15.31	QP
2	206.5399	40.85	-12.56	28.29	43.50	-15.21	QP
3	420.9100	38.81	-8.99	29.82	46.00	-16.18	QP
4	576.1100	36.05	-6.35	29.70	46.00	-16.30	QP
5	677.9600	32.81	-4.83	27.98	46.00	-18.02	QP
6	960.2300	33.39	-0.69	32.70	54.00	-21.30	QP

Test Mode:	802.11a 20	Frequency(MHz):	5745
Polarity:	Vertical	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	54.2500	49.85	-15.02	34.83	40.00	-5.17	QP
2	159.0100	42.29	-12.84	29.45	43.50	-14.05	QP
3	441.2800	33.48	-8.39	25.09	46.00	-20.91	QP
4	564.4699	33.98	-6.65	27.33	46.00	-18.67	QP
5	792.4200	32.19	-2.77	29.42	46.00	-16.58	QP
6	960.2300	28.00	-0.69	27.31	54.00	-26.69	QP

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

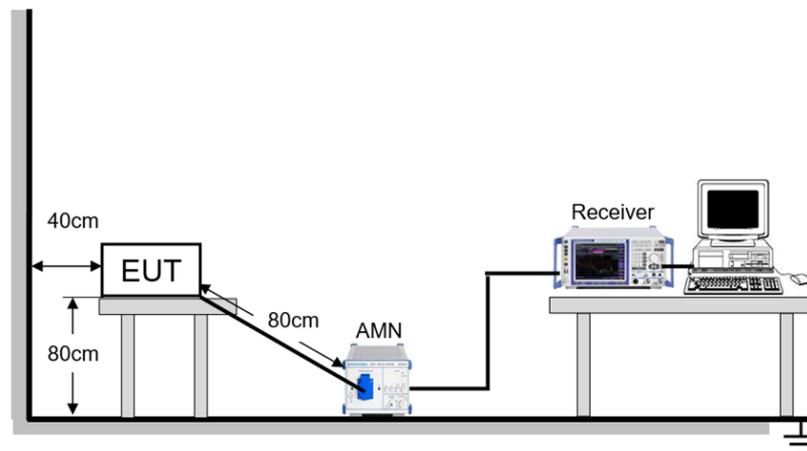
TEST PROCEDURE

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

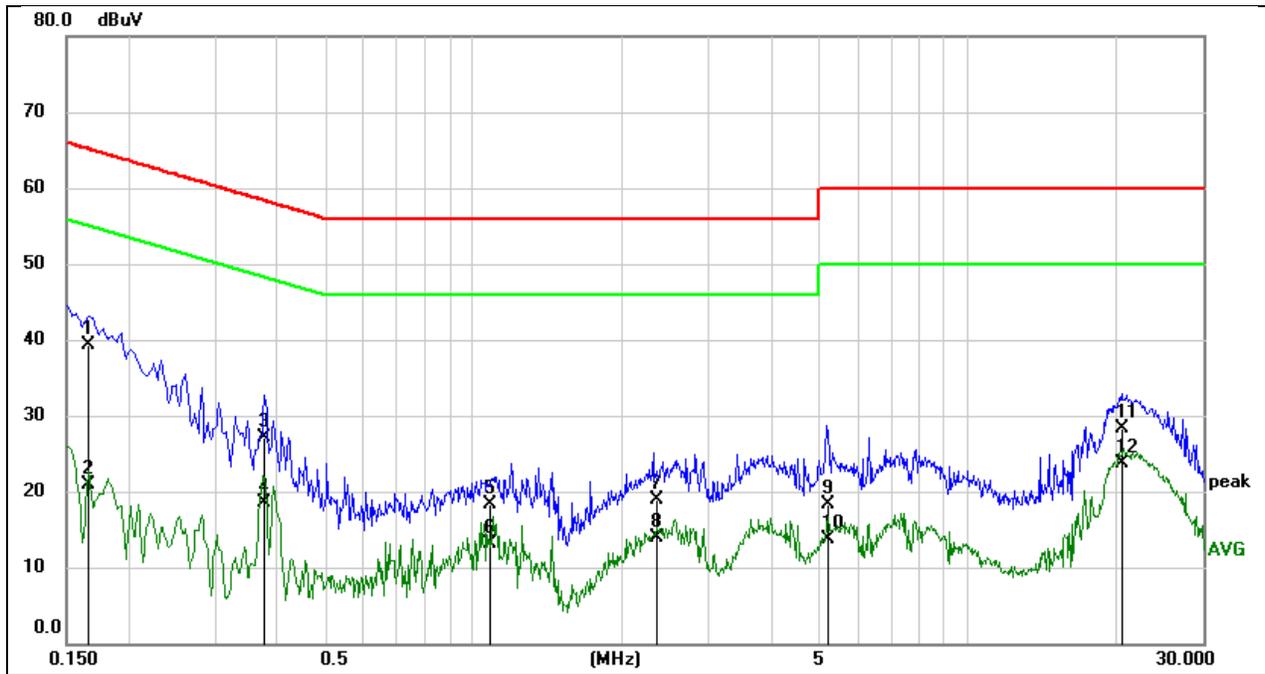
Temperature	22.3°C	Relative Humidity	53.5%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V 60Hz

TEST DATE / ENGINEER

Test Date	June 13, 2025	Test By	Deacon Tan
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TEST RESULTS

Test Mode:	802.11a20	Frequency(MHz):	5745
Line:	Line		



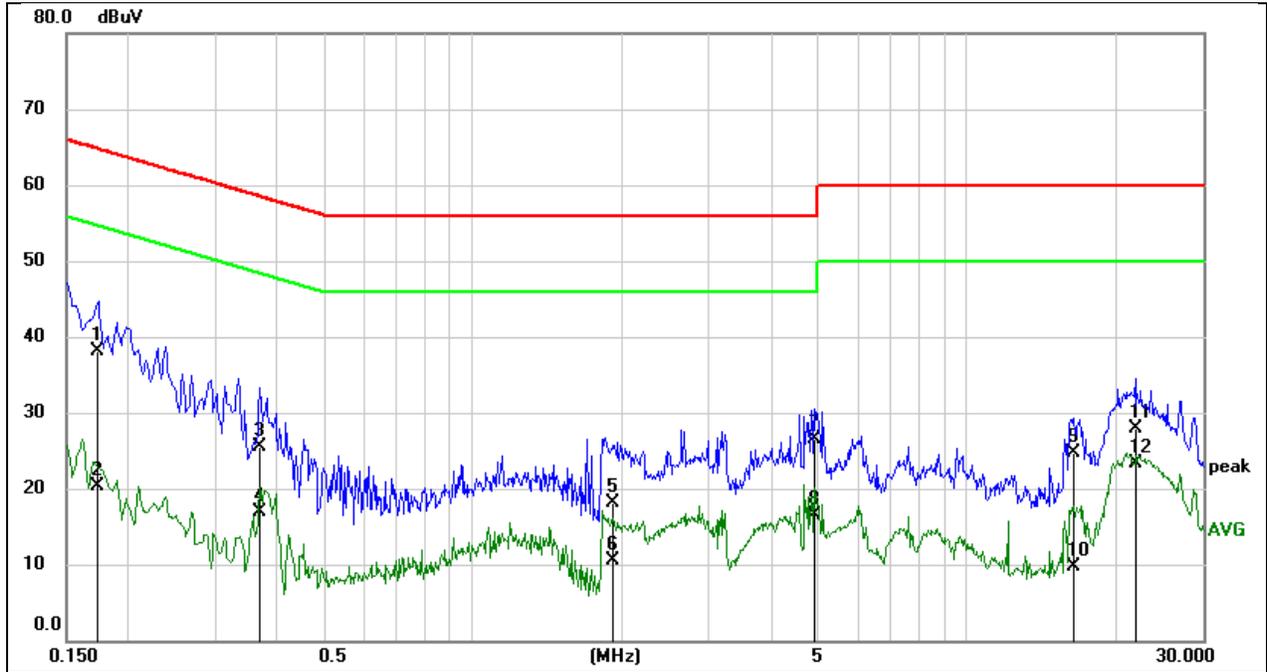
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1651	29.50	9.71	39.21	65.20	-25.99	QP
2	0.1651	11.26	9.71	20.97	55.20	-34.23	AVG
3	0.3788	17.53	9.64	27.17	58.31	-31.14	QP
4	0.3788	8.81	9.64	18.45	48.31	-29.86	AVG
5	1.0806	8.71	9.64	18.35	56.00	-37.65	QP
6	1.0806	3.47	9.64	13.11	46.00	-32.89	AVG
7	2.3450	9.24	9.74	18.98	56.00	-37.02	QP
8	2.3450	4.25	9.74	13.99	46.00	-32.01	AVG
9	5.2184	8.49	9.73	18.22	60.00	-41.78	QP
10	5.2184	3.99	9.73	13.72	50.00	-36.28	AVG
11	20.6243	18.67	9.73	28.40	60.00	-31.60	QP
12	20.6243	13.89	9.73	23.62	50.00	-26.38	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:	802.11a20	Frequency(MHz):	5745
Line:	Neutral		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1722	28.48	9.64	38.12	64.85	-26.73	QP
2	0.1722	10.67	9.64	20.31	54.85	-34.54	AVG
3	0.3678	15.95	9.64	25.59	58.55	-32.96	QP
4	0.3678	7.23	9.64	16.87	48.55	-31.68	AVG
5	1.9122	8.55	9.64	18.19	56.00	-37.81	QP
6	1.9122	0.85	9.64	10.49	46.00	-35.51	AVG
7	4.9244	16.79	9.66	26.45	56.00	-29.55	QP
8	4.9244	6.92	9.66	16.58	46.00	-29.42	AVG
9	16.5535	15.02	9.74	24.76	60.00	-35.24	QP
10	16.5535	0.06	9.74	9.80	50.00	-40.20	AVG
11	21.8908	18.26	9.72	27.98	60.00	-32.02	QP
12	21.8908	13.65	9.72	23.37	50.00	-26.63	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

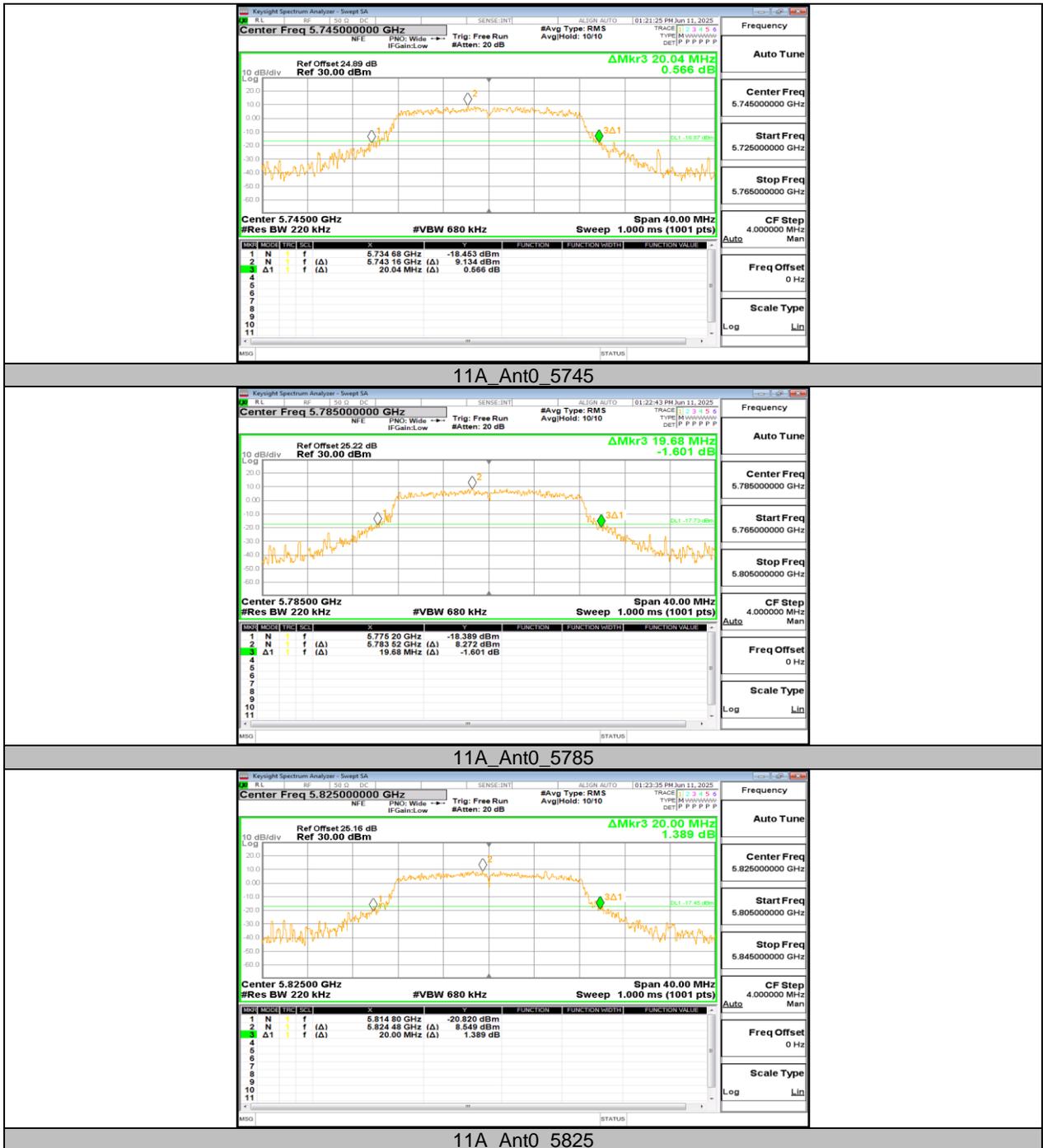
11.1. APPENDIX A: EMISSION BANDWIDTH

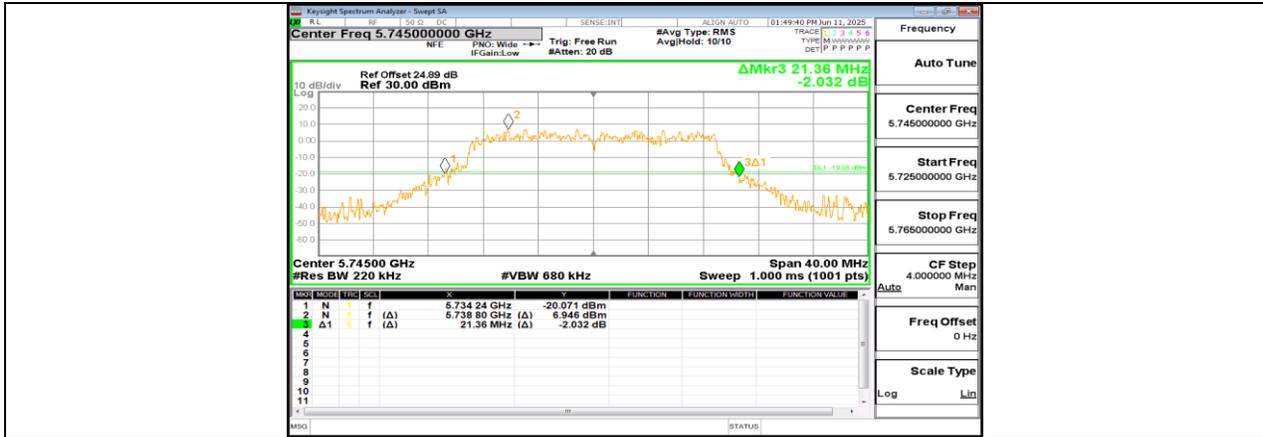
11.1.1. Test Result

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
11A	Ant0	5745	20.040	5734.680	5754.720	PASS
	Ant0	5785	19.680	5775.200	5794.880	PASS
	Ant0	5825	20.000	5814.800	5834.800	PASS
11N20MIMO	Ant0	5745	21.360	5734.240	5755.600	PASS
	Ant0	5785	21.920	5774.840	5796.760	PASS
	Ant0	5825	21.760	5813.960	5835.720	PASS
11N40MIMO	Ant0	5755	40.640	5734.920	5775.560	PASS
	Ant0	5795	41.120	5774.520	5815.640	PASS
11AC80MIMO	Ant0	5775	83.520	5732.440	5815.960	PASS
11AX20MIMO	Ant0	5745	21.280	5734.400	5755.680	PASS
	Ant0	5785	20.840	5774.680	5795.520	PASS
	Ant0	5825	20.960	5814.800	5835.760	PASS
11AX40MIMO	Ant0	5755	42.720	5733.560	5776.280	PASS
	Ant0	5795	40.960	5774.360	5815.320	PASS
11AX80MIMO	Ant0	5775	81.920	5734.360	5816.280	PASS

Note: All the modes and antennas had been tested, but only the worst data were recorded in the report.

11.1.2. Test Graphs





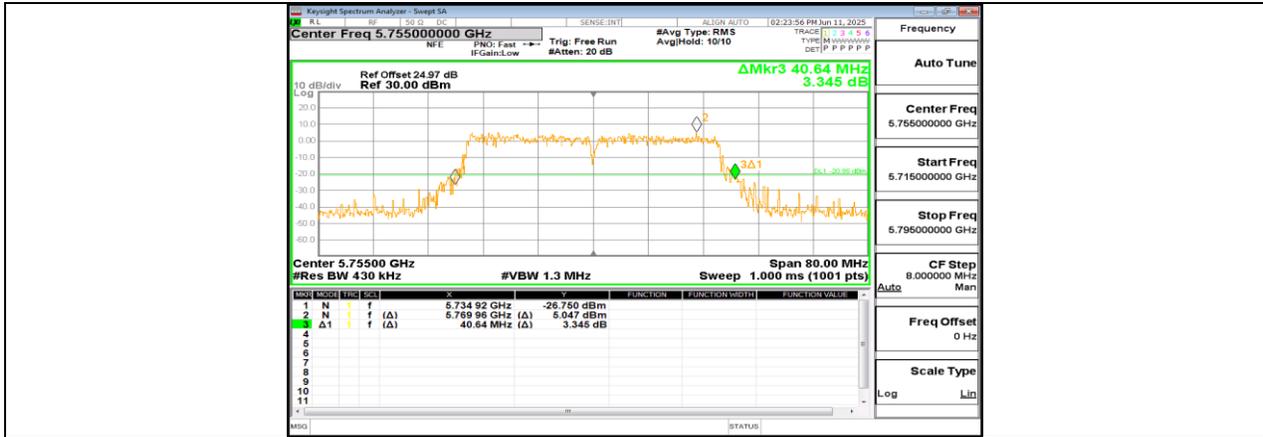
11N20MIMO_Ant0_5745



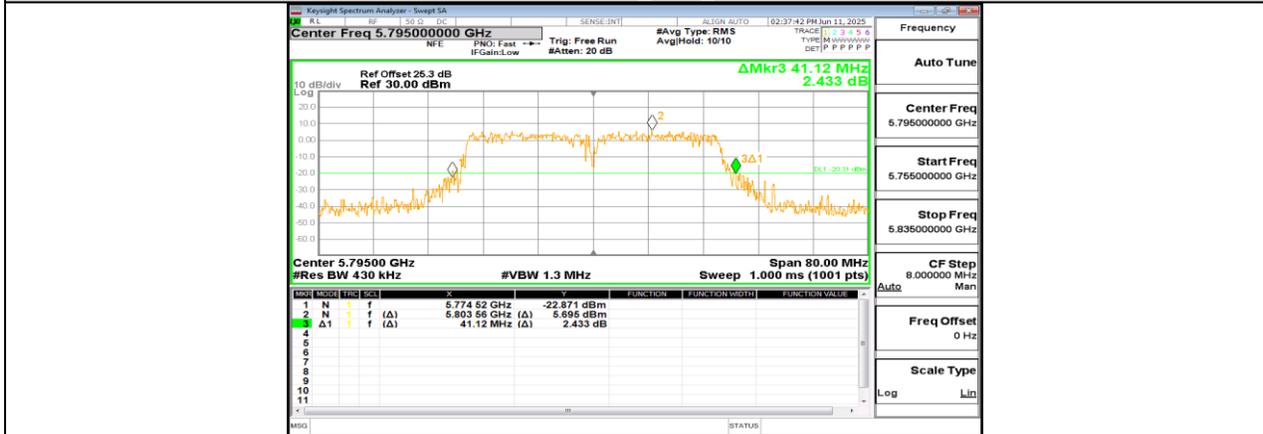
11N20MIMO_Ant0_5785



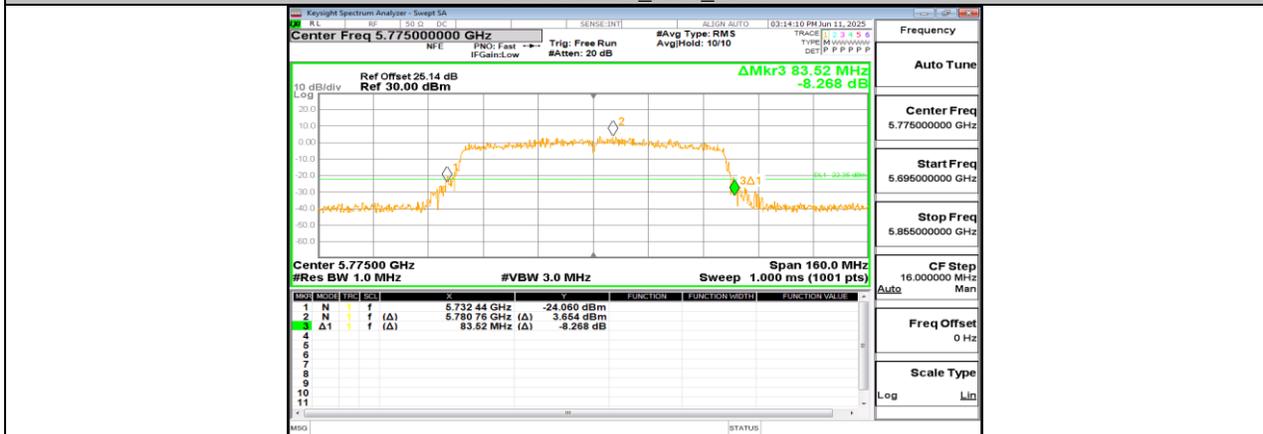
11N20MIMO_Ant0_5825



11N40MIMO_Ant0_5755



11N40MIMO_Ant0_5795



11AC80MIMO_Ant0_5775



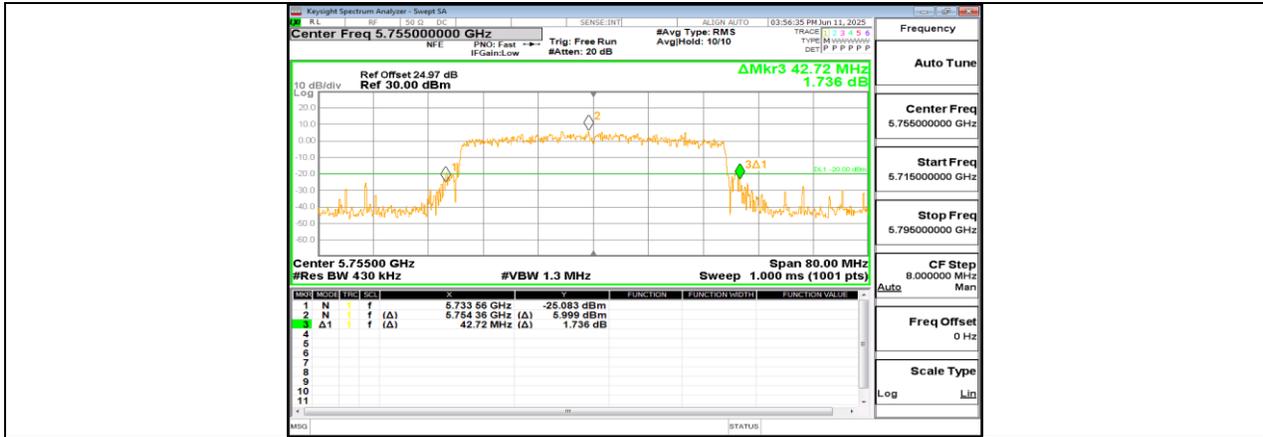
11AX20MIMO_Ant0_5745



11AX20MIMO_Ant0_5785



11AX20MIMO_Ant0_5825



11AX80MIMO_Ant0_5775

11.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

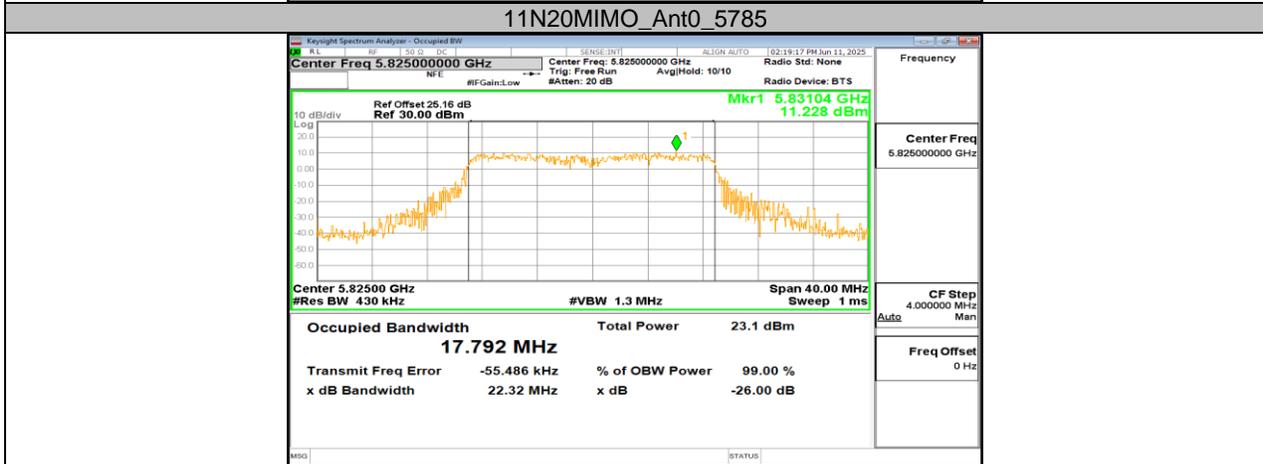
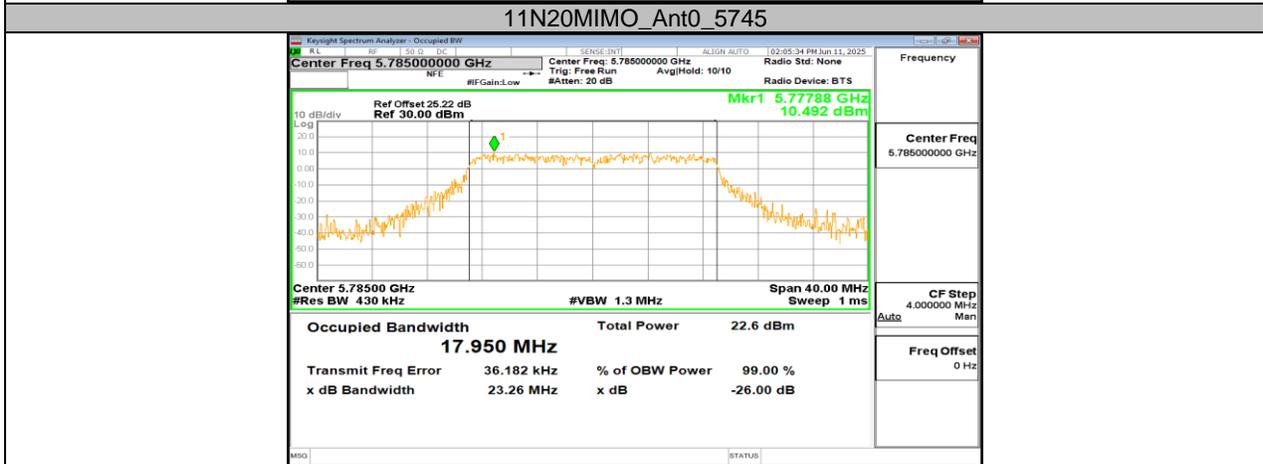
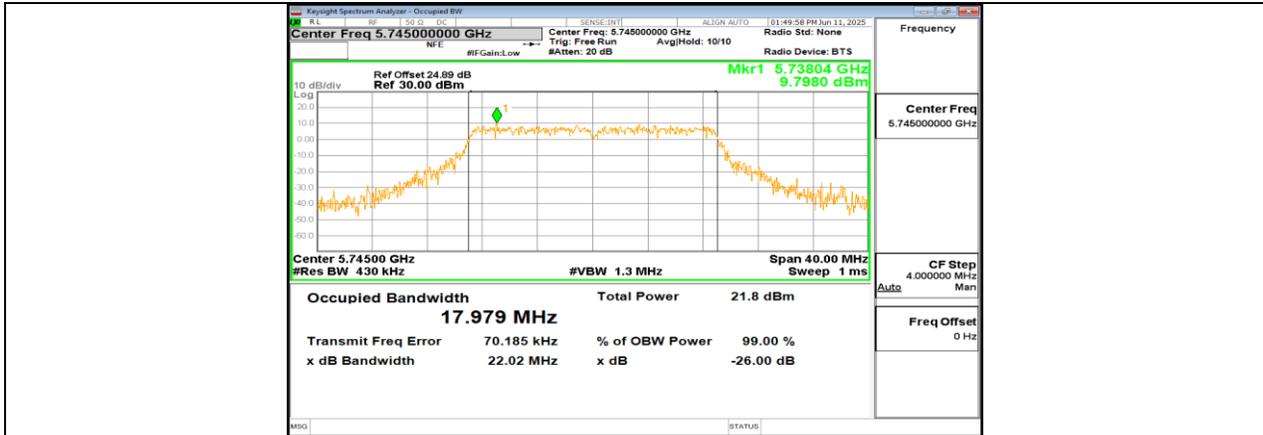
11.2.1. Test Result

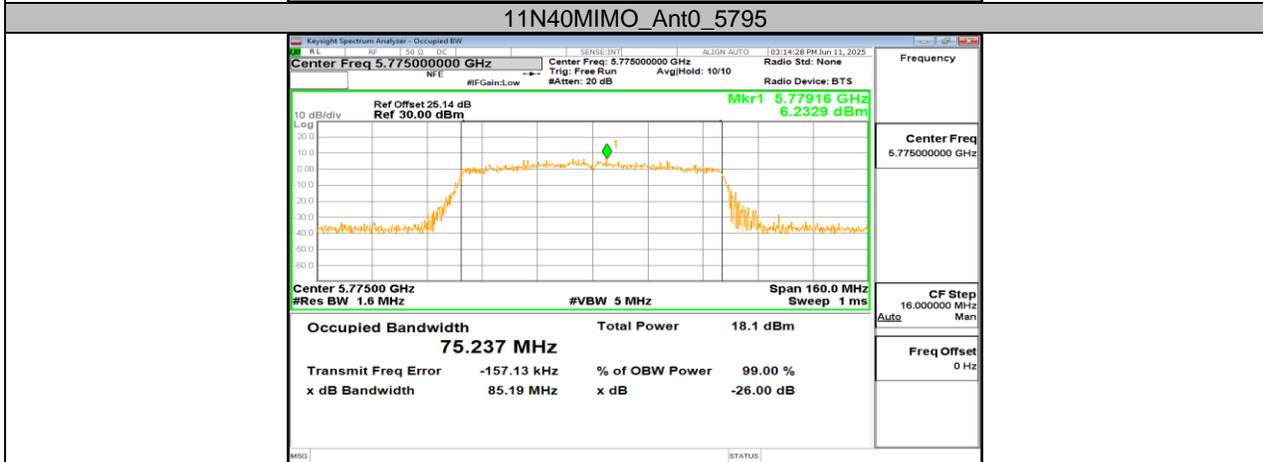
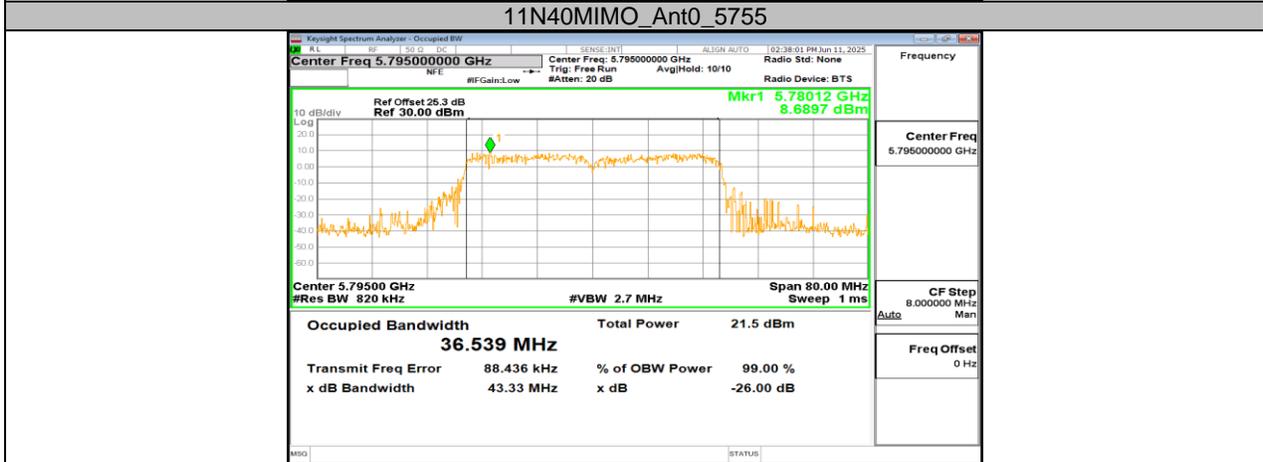
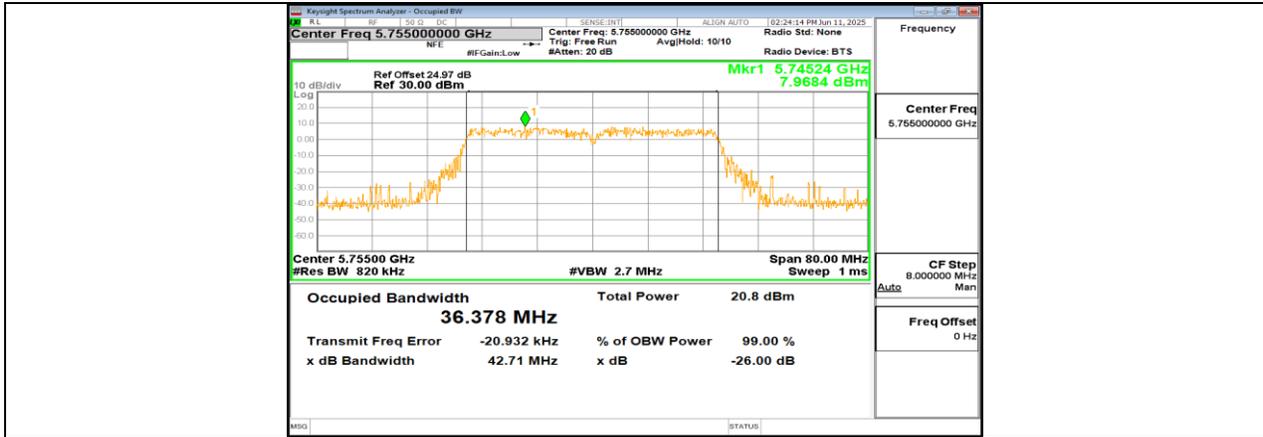
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11A	Ant0	5745	16.522	5736.7112	5753.2332	PASS
	Ant0	5785	16.622	5776.7088	5793.3308	PASS
	Ant0	5825	16.567	5816.7868	5833.3538	PASS
11N20MIMO	Ant0	5745	17.979	5736.0807	5754.0597	PASS
	Ant0	5785	17.950	5776.0612	5794.0112	PASS
	Ant0	5825	17.792	5816.0485	5833.8405	PASS
11N40MIMO	Ant0	5755	36.378	5736.7901	5773.1681	PASS
	Ant0	5795	36.539	5776.8189	5813.3579	PASS
11AC80MIMO	Ant0	5775	75.237	5737.2244	5812.4614	PASS
11AX20MIMO	Ant0	5745	18.863	5735.5277	5754.3907	PASS
	Ant0	5785	18.963	5775.5310	5794.4940	PASS
	Ant0	5825	18.812	5815.5667	5834.3787	PASS
11AX40MIMO	Ant0	5755	37.655	5736.1545	5773.8095	PASS
	Ant0	5795	37.633	5776.1764	5813.8094	PASS
11AX80MIMO	Ant0	5775	76.534	5736.5767	5813.1107	PASS

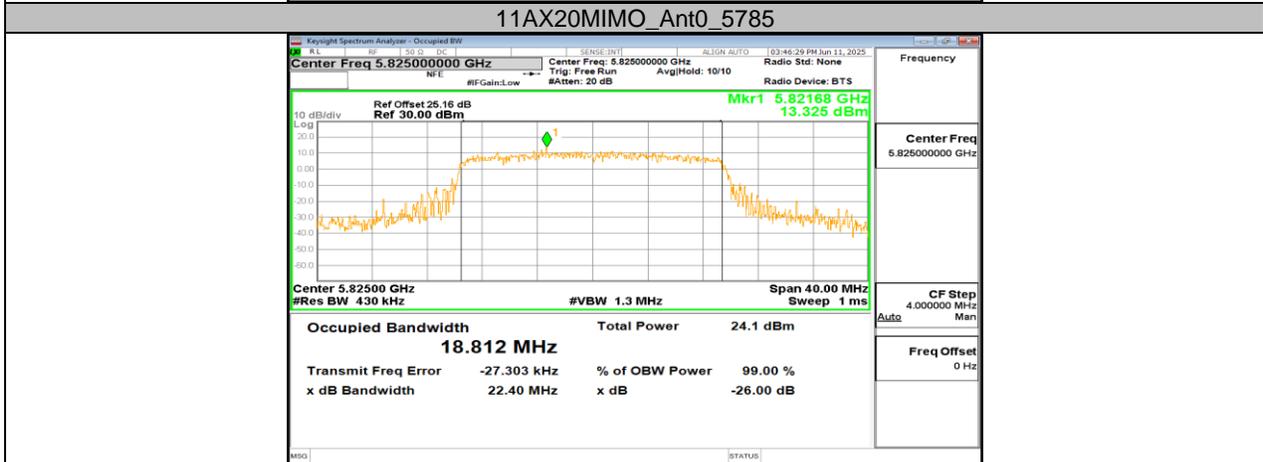
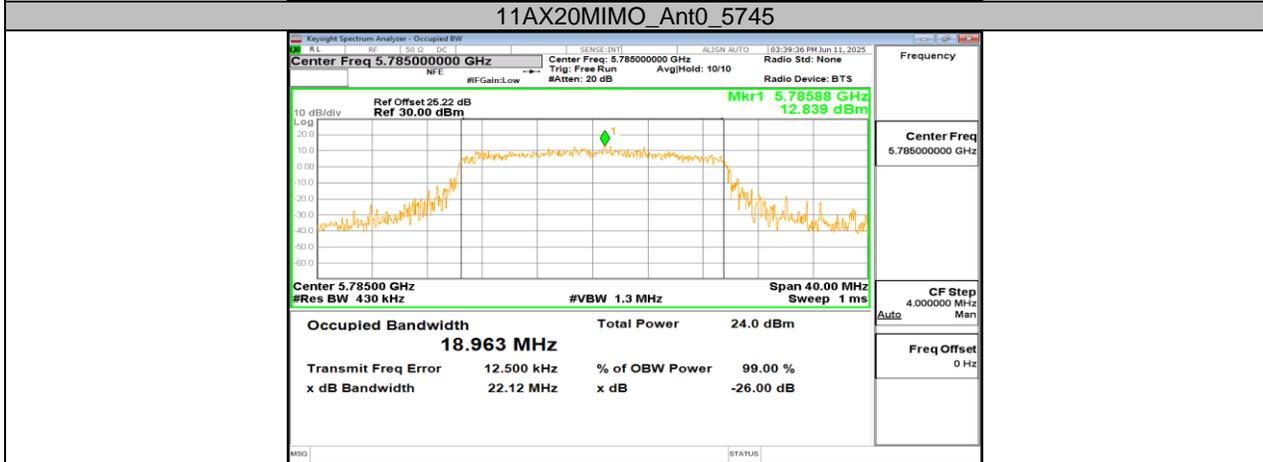
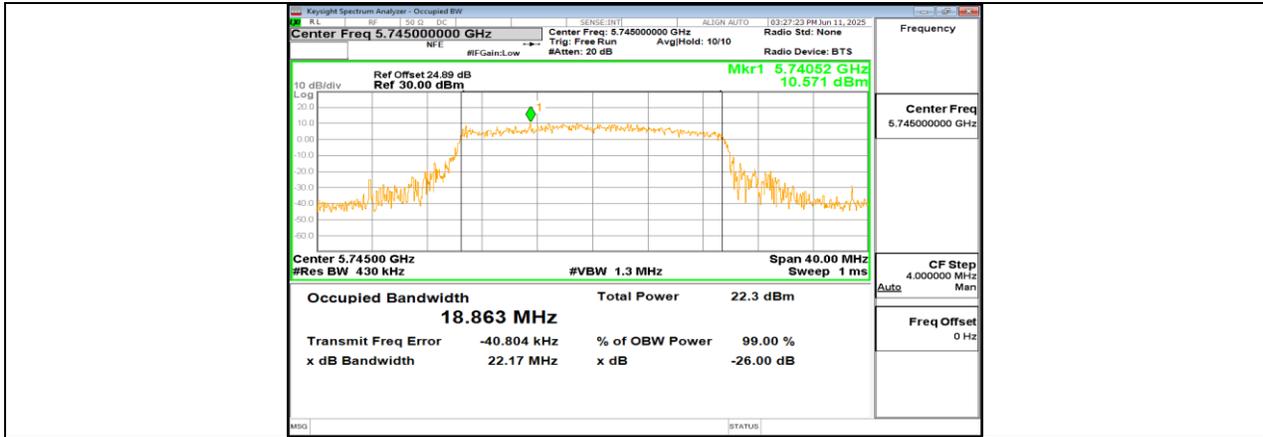
Note: All the modes and antennas had been tested, but only the worst data were recorded in the report.

11.2.2. Test Graphs

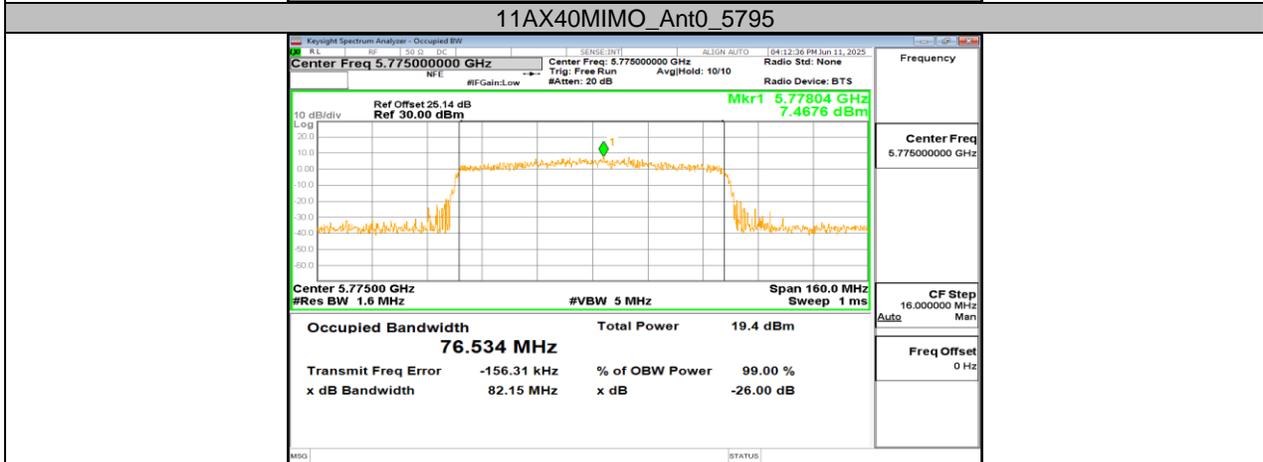
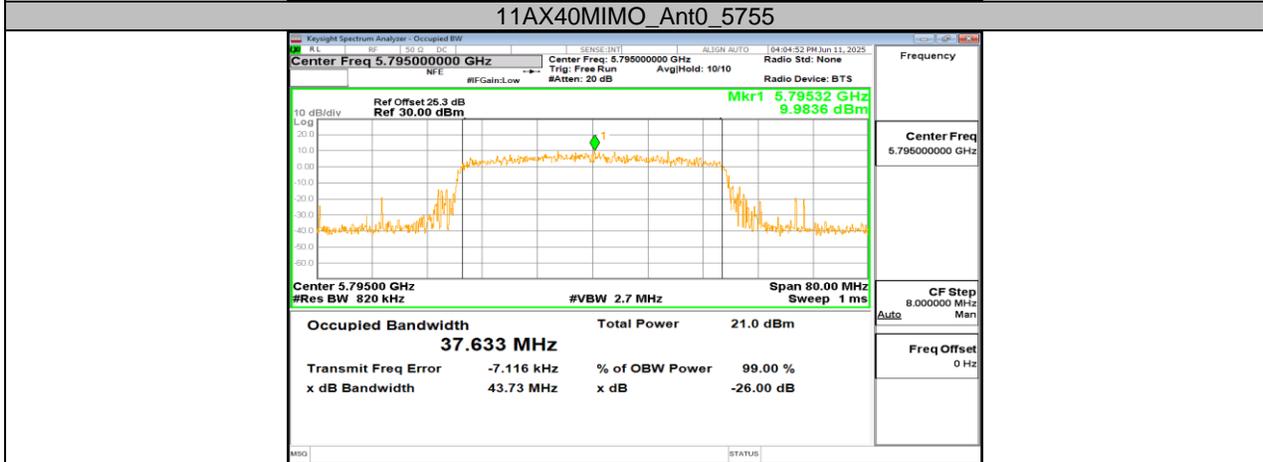
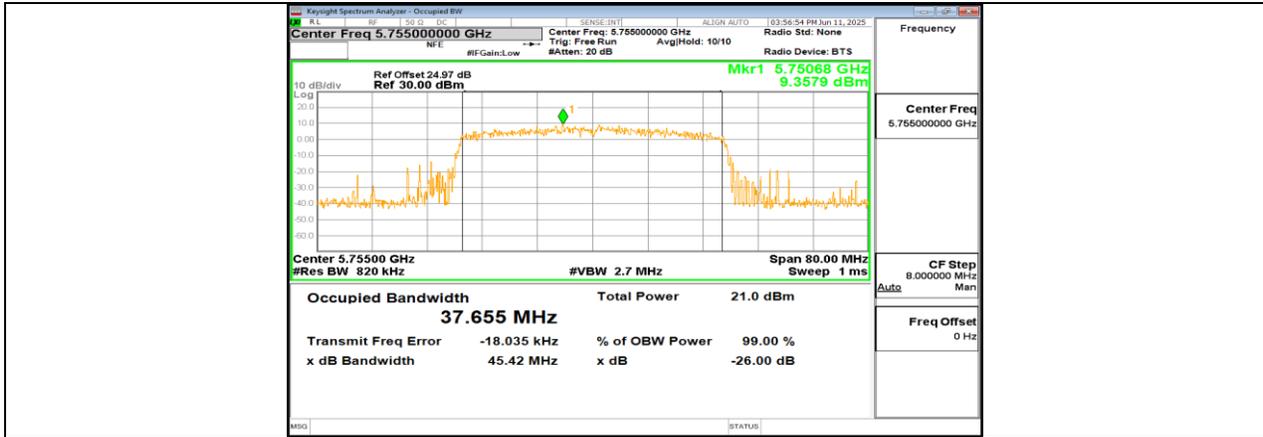








11AX20MIMO_Ant0_5825



11AX80MIMO_Ant0_5775

11.3. APPENDIX C: MIN EMISSION BANDWIDTH

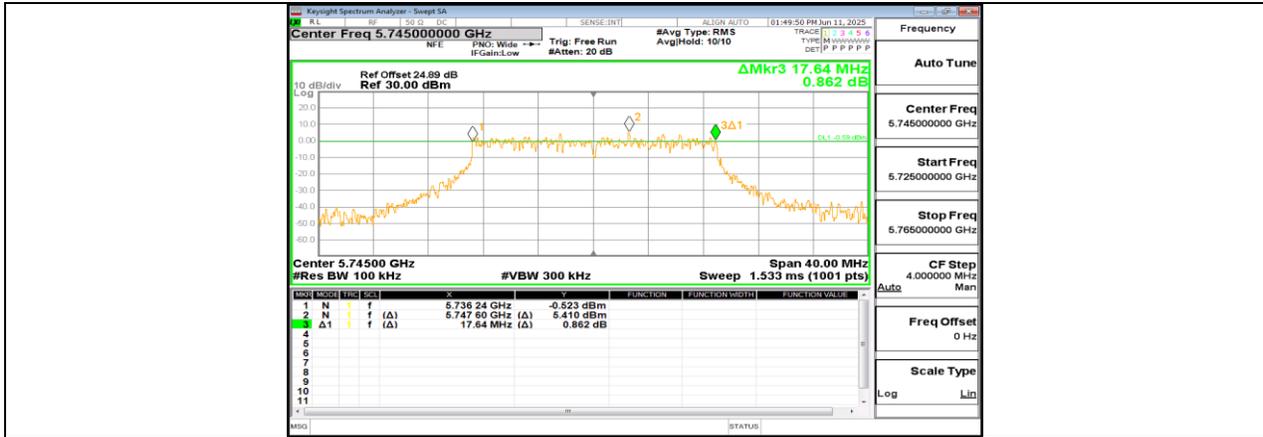
11.3.1. Test Result

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5745	16.320	5736.880	5753.200	≥0.5	PASS
	Ant0	5785	16.320	5776.880	5793.200	≥0.5	PASS
	Ant0	5825	16.280	5816.920	5833.200	≥0.5	PASS
11N20MIMO	Ant0	5745	17.640	5736.240	5753.880	≥0.5	PASS
	Ant0	5785	16.880	5776.400	5793.280	≥0.5	PASS
	Ant0	5825	17.360	5816.200	5833.560	≥0.5	PASS
11N40MIMO	Ant0	5755	36.000	5736.840	5772.840	≥0.5	PASS
	Ant0	5795	35.760	5777.000	5812.760	≥0.5	PASS
11AC80MIMO	Ant0	5775	71.360	5738.680	5810.040	≥0.5	PASS
11AX20MIMO	Ant0	5745	16.600	5736.320	5752.920	≥0.5	PASS
	Ant0	5785	17.520	5776.520	5794.040	≥0.5	PASS
	Ant0	5825	18.080	5816.160	5834.240	≥0.5	PASS
11AX40MIMO	Ant0	5755	31.920	5738.120	5770.040	≥0.5	PASS
	Ant0	5795	35.440	5778.440	5813.880	≥0.5	PASS
11AX80MIMO	Ant0	5775	74.400	5736.120	5810.520	≥0.5	PASS

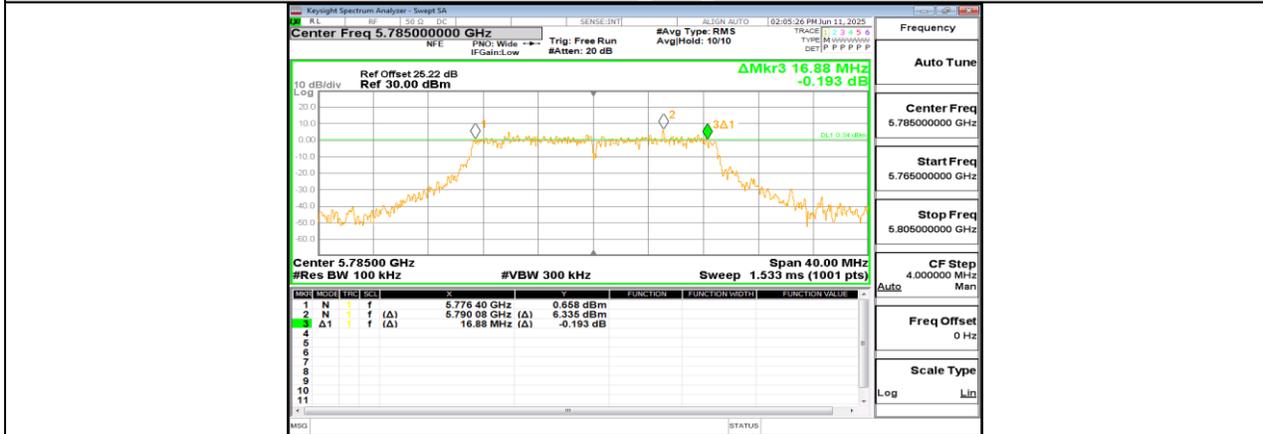
Note: All the modes and antennas had been tested, but only the worst data were recorded in the report.

11.3.2. Test Graphs





11N20MIMO_Ant0_5745



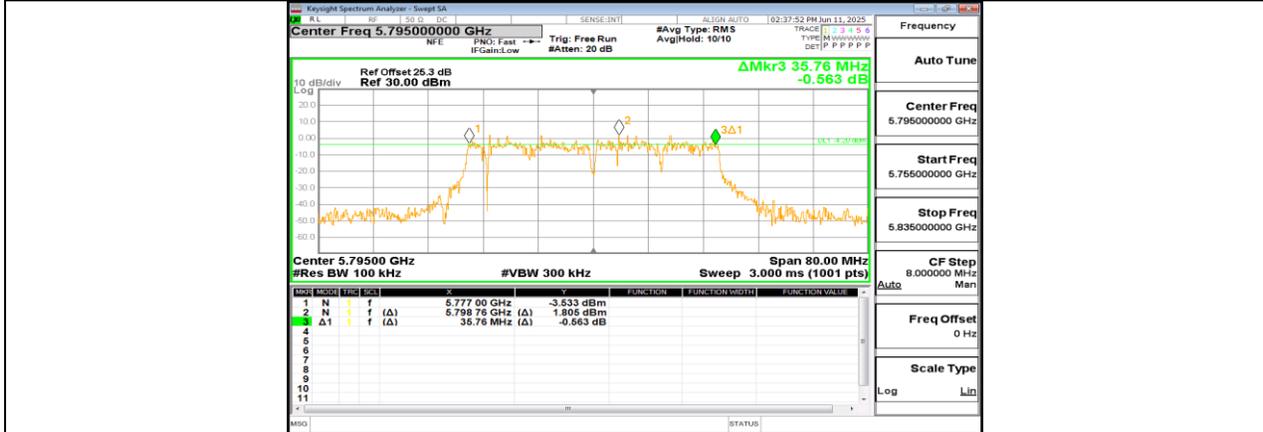
11N20MIMO_Ant0_5785



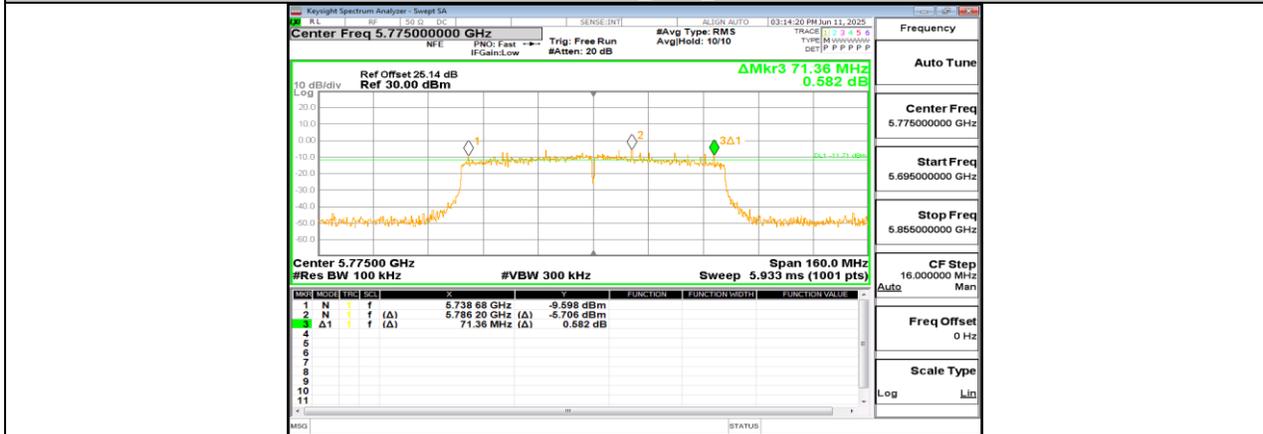
11N20MIMO_Ant0_5825



11N40MIMO_Ant0_5755



11N40MIMO_Ant0_5795



11AC80MIMO_Ant0_5775