

FCC RF Test Report

For

Condeco Ltd

Test Standards:	<u>Part 15 Subpart E §15. 407</u>
Product Name:	<u>V3 Desk Screen</u>
Tested Model:	<u>201850</u>
FCC ID:	2ACML-201850
Classification	<u>(NII)Unlicensed National Information Infrastructure</u>
Report No.:	<u>EC1911039RF05</u>
Tested Date:	<u>2019-12-10 to 2019-12-30</u>
Issued Date:	<u>2019-12-30</u>
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Note: The test results in this report apply exclusively to the tested model / sample. Without written approval of Hunan Ecloud Testing Technology Co., Ltd., the test report shall not be reproduced except in full.

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	2019.12.30	Valid	Original Report

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Summary of Test Result

FCC Rule	Description	Limit	Result	Remark
2.1049 15.403(i)	26dB & 99% Bandwidth	-	Pass	U-NII-1 U-NII-2A U-NII-2C
		>500kHz	Pass	U-NII-3
15.407(a)	Maximum Conducted Output Power	≤24dBm	Pass	U-NII-1 U-NII-2A U-NII-2C
		≤30dBm	Pass	U-NII-3
15.407(a)	Power Spectral Density	≤11dBm/MHz	Pass	U-NII-1 U-NII-2A U-NII-2C
		≤30dBm/500kHz	Pass	U-NII-3
15.407(b)	Unwanted Emissions	15.407(b) 15.209(a)	Pass	Under limit 2.11 dB at 17325 MHz
15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 18.44 dB at 0.683 MHz
15.407(g)	Frequency Stability	Within Operation Band	Pass	
15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	
15.203 & 15.407(a)	Antenna Requirement	N/A	Pass	

1 Test Laboratory

1.1 Test facility

CNAS (accreditation number: L11138)

Hunan Ecloud Testing Technology Co., Ltd. has obtained the accreditation of China National Accreditation Service for Conformity Assessment (CNAS).

FCC (Designation number: CN1244 , Test Firm Registration Number: 793308)

Hunan Ecloud Testing Technology Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

ISED(CAB identifier: CN0012, ISED# :24347)

Hunan Ecloud Testing Technology Co., Ltd. has been listed on the Wireless Device Testing Laboratories list of innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements.

A2LA (Certificate Code: 4895.01)

Hunan Ecloud Testing Technology Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

2 General Description

2.1 Applicant

Condeco Ltd

8th Floor Exchange Tower, 2 Harbour Exchange Square. London. E14 9GE London United Kingdom

2.2 Manufacturer

Condeco Ltd

8th Floor Exchange Tower, 2 Harbour Exchange Square. London. E14 9GE London United Kingdom

2.3 General Description Of EUT

Product	V3 Desk Screen
Model No.	201850
Additional No.	N/A
Difference Description	N/A
FCC ID	2ACML-201850
Power Supply	DC 5V
Modulation Technology	256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM
Modulation Type	802.11a/n/ac : OFDM
Operating Frequency	U-NII-1:5150~5250MHz U-NII-2A:5250~5350MHz U-NII-2C:5470~5725MHz U-NII-3:5725~5850MHz
Max. Output Power	802.11a : 14.80 dBm (0.0302 W) 802.11n HT20 : 13.71 dBm (0.0235 W) 802.11n HT40 : 13.85 dBm (0.0243 W) 802.11ac VHT20 : 12.53 dBm (0.0179 W) 802.11ac VHT40 : 12.88 dBm (0.0194 W) 802.11ac VHT80 : 12.16 dBm (0.0164 W)
Antenna Type	Ceramic antenna
Antenna Gain (dBi)	5150~5250MHz : 1.25 dBi 5250~5350MHz : 1.67 dBi 5470~5725MHz : 4.30 dBi 5725~5850MHz : 4.56 dBi
HW Version	201850R14
SW Version	V8.1.0
I/O Ports	Refer to user's manual
Cable Supplied	USB cable: Shielded, Undetachable, 2.0m

NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

2.4 Modification of EUT

No modifications are made to the EUT during all test items.

2.5 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC Part 15 Subpart E §15.407
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Remark:

1. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

3 Test Configuration of Equipment Under Test

3.1 Carrier Frequency and Channel

U-NII-1

Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz
38	5190 MHz	46	5230 MHz
40	5200 MHz	48	5240 MHz
42	5210 MHz		

U-NII-2A

Channel	Frequency	Channel	Frequency
52	5260 MHz	60	5300 MHz
54	5270 MHz	62	5310 MHz
56	5280 MHz	64	5320 MHz
58	5290 MHz		

U-NII-2C

Channel	Frequency	Channel	Frequency
100	5500 MHz	112	5560 MHz
102	5510 MHz	116	5580 MHz
104	5520 MHz	132	5660 MHz
106	5530 MHz	134	5670 MHz
108	5540 MHz	136	5680 MHz
110	5550 MHz	140	5700 MHz

U-NII-3

Channel	Frequency	Channel	Frequency
149	5745 MHz	157	5785 MHz
151	5755 MHz	159	5795 MHz
153	5765 MHz	161	5805 MHz
155	5775 MHz	165	5825 MHz

3.2 Test Mode

Based on the baseline scan, the worst - case data rates were:

MODULATION	DATA RATE
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

3.2.1 Antenna Port Conducted Measurement

Summary table of Test Cases				
Test Item	Modulation			
	802.11 a	802.11n HT20/ 802.11ac VHT20	802.11n HT40/ 802.11ac VHT40	802.11ac VHT80
U-NII-1	Mode 1: CH36 Mode 2: CH40 Mode 3: CH48	Mode 1: CH36 Mode 2: CH40 Mode 3: CH48	Mode 1: CH38 Mode 2: CH46 Mode 3: -	Mode 1: CH42 Mode 2: - Mode 3: -

Summary table of Test Cases				
Test Item	Modulation			
	802.11 a	802.11n HT20/ 802.11ac VHT20	802.11n HT40/ 802.11ac VHT40	802.11ac VHT80
U-NII-2A	Mode 1: CH52 Mode 2: CH60 Mode 3: CH64	Mode 1: CH52 Mode 2: CH60 Mode 3: CH64	Mode 1: CH54 Mode 2: CH62 Mode 3: -	Mode 1: CH58 Mode 2: - Mode 3: -

Summary table of Test Cases				
Test Item	Modulation			
	802.11 a	802.11n HT20/ 802.11ac VHT20	802.11n HT40/ 802.11ac VHT40	802.11ac VHT80
U-NII-2C	Mode 1: CH100 Mode 2: CH116 Mode 3: CH140	Mode 1: CH100 Mode 2: CH116 Mode 3: CH140	Mode 1: CH102 Mode 2: CH110 Mode 3: CH134	Mode 1: CH106 Mode 2: - Mode 3: -

Summary table of Test Cases				
Test Item	Modulation			
	802.11 a	802.11n HT20/ 802.11ac VHT20	802.11n HT40/ 802.11ac VHT40	802.11ac VHT80
U-NII-3	Mode 1: CH149	Mode 1: CH149	Mode 1: CH151	Mode 1: CH155
	Mode 2: CH157	Mode 2: CH157	Mode 2: CH159	Mode 2: -
	Mode 3: CH165	Mode 3: CH165		Mode 3: -

3.2.2 Radiated Emission Test (Below 1GHz)

Radiated	802.11ac VHT80
Test Cases	Mode 1: CH106

Note : 1. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, XYZ axis, antenna ports (if EUT with antenna diversity architecture) and packet type. It was determined that Y orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in Y orientation.

2. Following channel(s) was (were) selected for the final test as listed above

3.2.3 Radiated Bandedge and Radiated Emission Test (Above 1GHz)

Summary table of Test Cases				
Test Item	Modulation			
	802.11 a	802.11n HT20/ 802.11ac VHT20	802.11n HT40/ 802.11ac VHT40	802.11ac VHT80
U-NII-1	Mode 1: CH36	Mode 1: CH36	Mode 1: CH38	Mode 1: CH42
	Mode 2: CH40	Mode 2: CH40	Mode 2: CH46	Mode 2: -
	Mode 3: CH48	Mode 3: CH48	Mode 3: -	Mode 3: -

Summary table of Test Cases				
Test Item	Modulation			
	802.11 a	802.11n HT20/ 802.11ac VHT20	802.11n HT40/ 802.11ac VHT40	802.11ac VHT80
U-NII-2A	Mode 1: CH52	Mode 1: CH52	Mode 1: CH54	Mode 1: CH58
	Mode 2: CH60	Mode 2: CH60	Mode 2: CH62	Mode 2: -
	Mode 3: CH64	Mode 3: CH64	Mode 3: -	Mode 3: -

Summary table of Test Cases				
Test Item	Modulation			
	802.11 a	802.11n HT20/ 802.11ac VHT20	802.11n HT40/ 802.11ac VHT40	802.11ac VHT80
U-NII-2C	Mode 1: CH100	Mode 1: CH100	Mode 1: CH102	Mode 1: CH106
	Mode 2: CH116	Mode 2: CH116	Mode 2: CH110	Mode 2: CH122
	Mode 3: CH140	Mode 3: CH140	Mode 3: CH134	Mode 3: -

Summary table of Test Cases				
Test Item	Modulation			
	802.11 a	802.11n HT20/ 802.11ac VHT20	802.11n HT40/ 802.11ac VHT40	802.11ac VHT80
U-NII-3	Mode 1: CH149	Mode 1: CH149	Mode 1: CH151	Mode 1: CH155
	Mode 2: CH157	Mode 2: CH157	Mode 2: CH159	Mode 2: -
	Mode 3: CH165	Mode 3: CH165		Mode 3: -

Note : 1. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, XYZ axis, antenna ports (if EUT with antenna diversity architecture) and packet type. It was determined that Y orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in Y orientation.

2. Following channel(s) was (were) selected for the final test as listed above

3. For frequency above 18GHz, the measured value is much lower than the limit, therefore, it is not reflected in the report.

3.2.4 Power Line Conducted Emission Test:

AC Conducted Emission	Mode 1 : BT Tethering+WLAN Link+NFC+RFID+Charging from Adapter
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3.3 Support Equipment

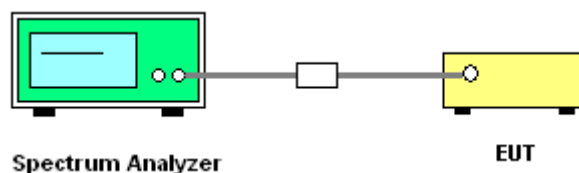
Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	NETGARE	R7800	PY315100319	N/A	unshielded AC I/P cable1.2 m
2.	Notebook	Lenovo	E470C	FCC DoC	N/A	shielded cable DC O/P 1.8 m unshielded AC I/P cable1.2 m

3.4 Test Setup

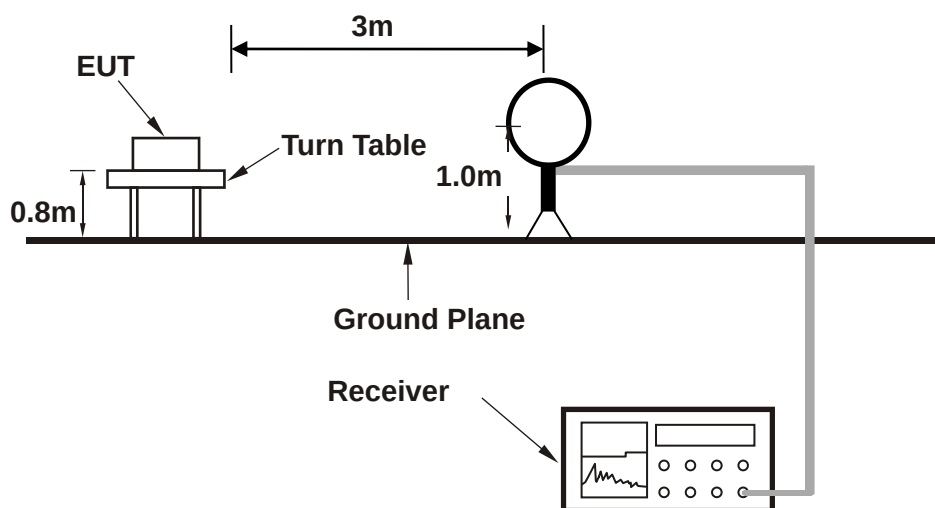
The EUT is continuously communicating to the WiFi tester during the tests.

EUT was set in the Hidden menu mode to enable WiFi communications.

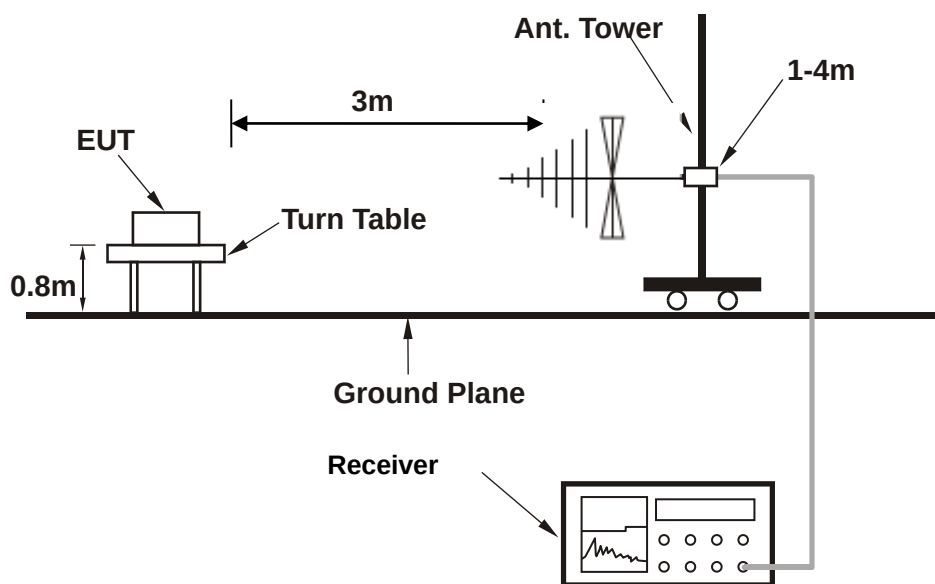
Setup diagram for Conducted Test



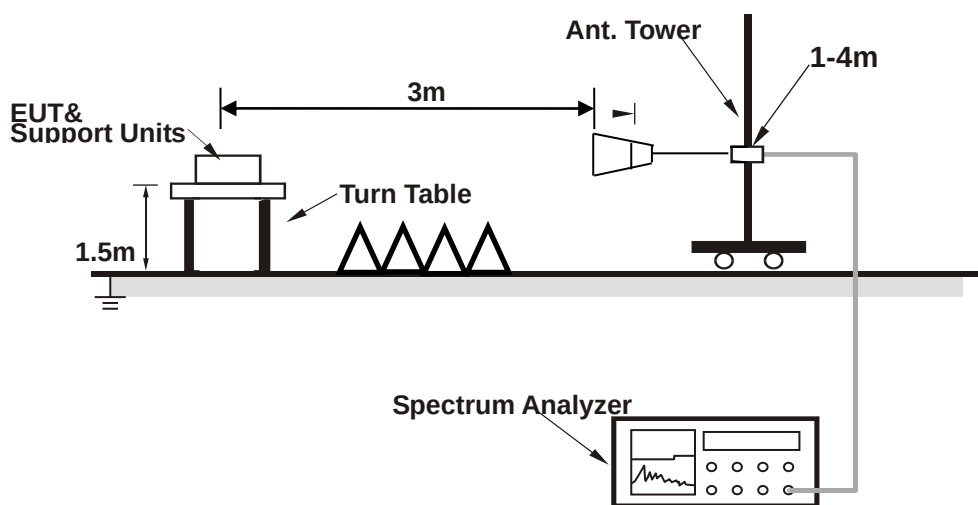
Setup diagram for Raidation(9KHz~30MHz) Test



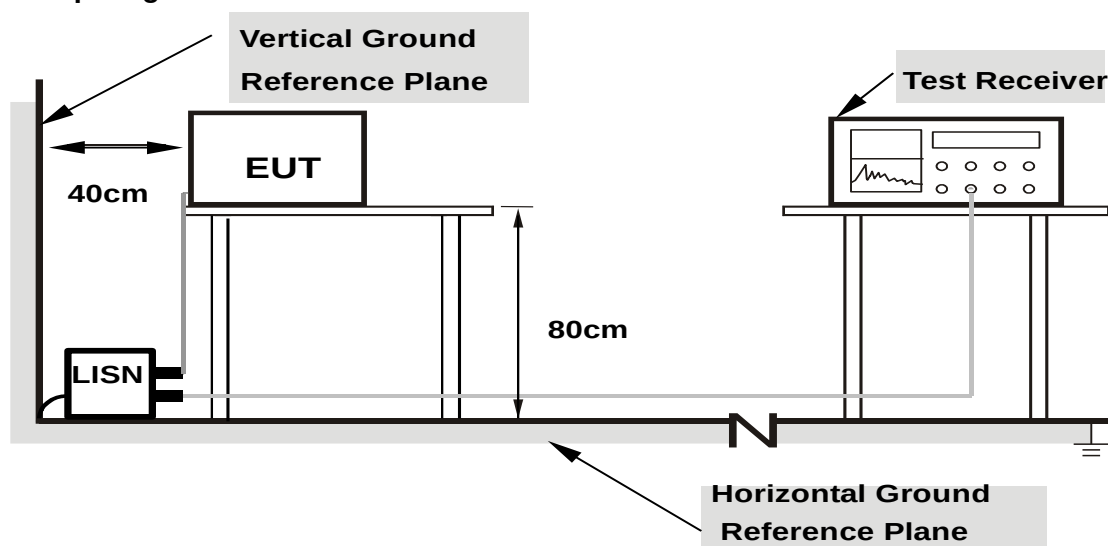
Setup diagram for Raidation(Below 1G) Test



Setup diagram for Raidation(Above1G) Test



Setup diagram for AC Conducted Emission Test



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.5 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 5 dB and 10dB attenuator.

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 5 + 10 = 15 \text{ (dB)} \end{aligned}$$

For all radiated test items:

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Over Limit (dB μ V/m) = Level(dB μ V/m) - Limit Level (dB μ V/m)

4 Test Result

4.1 26dB and 99% Occupied Bandwidth Measurement

4.1.1 Limit of 6dB and 99% Bandwidth

There is no limit bandwidth for U-NII-1, U-NII-2-A and U-NII-2-C.

4.1.2 Test Procedures

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows ANSI C63.10-2013,12.4 .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the Antenna port to the spectrum analyzer.
4. 26dB Band width Measurement: Set the spectrum analyzer as 1% of emission BW Sweep=auto,Detector = Peak, Trace Mode = Max Hold, Manually readjust RBW until the RBW/EBW ratio is 1% based on EBW as observed on the result of pre-sequence measurement.
5. Mark the peak frequency and –26dB (upper and lower) frequency.
6. Repeat the procedures as list above until all test default channels (low, middle, and high) are completed.
7. Measure and record the results in the test report.

4.1.3 Test Result of 26dB Bandwidth

Refer to Appendix A1 of this test report.

4.1.4 Test Result of 99% Bandwidth

Refer to Appendix A2 of this test report.

4.1.5 Test Result of Min emission bandwidth

Refer to Appendix A3 of this test report.

4.2 Maximum Conducted Output Power

4.2.1 Limit of Output Power

Operation Band	EUT Category		Limit
U-NII-1		Access Point(Mater Device)	1 Watt(30dBm)
		Fixed point-to-point Access Point	1 Watt(30dBm)
	√	Mobile and portable client device	250mW(23.98dBm)
U-NII-2A	√		250mW(23.98dBm) or 11dBm+10 log B
U-NII-2C	√		250mW(23.98dBm) or 11dBm+10 log B
U-NII-3	√		1 W(30dBm)

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

4.2.2 Test Procedures

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the Spectrum Analyzer.
4. Spectrum Analyzer is used as the auxiliary test equipment to conduct the output power measurement.
5. Set span to encompass the entire emission bandwidth (EBW) of the signal. Set sweep trigger to "free run.", RBW = 1 MHz, Set VBW $\geq 1/T$, where T refers to the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation, Sweep time = auto, Detector = peak..
6. Video filtering shall be applied to power signal (rms), it shall be set to operate on a linear voltage signal.
7. Trace mode = max hold. Allow max hold to run for at least 60 seconds
8. Repeat above procedures until all frequency (low, middle, and high channel) measured were complete.
9. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01. Total power is the sum of the conducted power levels measured at the various output ports

4.2.3 Test Result of Output Power

Refer to Appendix B of this test report.

4.2.4 Test Result of Duty Cycle

Refer to Appendix C of this test report.

4.3 Power Spectral Density Measurement

4.3.1 Limits of Power Spectral Density

Operation Band	EUT Category		Limit
U-NII-1		Access Point(Mater Device)	17dBm/MHz
		Fixed point-to-point Access Point	
	√	Mobile and portable client device	11dBm/ MHz
U-NII-2A	√		11dBm/ MHz
U-NII-2C	√		11dBm/ MHz
U-NII-3	√		30 dBm/500kHz

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

4.3.2 Test Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to Spectrum.
4. Set RBW=1MHz, VBW=3MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto (601 pts), detector = RMS, traces 100 sweeps of video averaging(SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)
5. Use the cursor on spectrum to peak search the highest level of trace.
6. Record the max. reading and add 10 log(1/duty cycle).
7. Repeat above procedures until all default test channel (low, middle, and high) was complete.
8. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method b) *Measure and sum spectral maxima across the outputs.*

With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits.

4.3.3 Test Result of Power Spectral Density

Refer to Appendix E of this test report.

4.4 Unwanted Emissions Measurement

This section as specified in FCC Part 15.407(b) is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement. The unwanted emissions shall comply with 15.407(b)(1) to (6), and restricted bands per FCC Part 15.205.

4.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350MHz band shall not exceed an EIRP of -27dBm/MHz .

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350MHz band shall not exceed an EIRP of -27 dBm/MHz . Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz .

For transmitters operating in the 5.725-5.85 GHz band:

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table

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
30 – 88	100	3
88 – 216	150	3
216 – 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

$$E = \frac{1000000 \sqrt{30P}}{3} \mu\text{V/m, where } P \text{ is the eirp (Watts)}$$

EIRP (dBm)	Field Strength at 3m (dBμV/m)
-17	78.2
-27	68.2

4.4.2 Test Procedures

1. The testing follows ANSI C63.10-2013. Section 12.7 Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

- RBW = 120 kHz
- VBW = 300 kHz
- Detector = Peak
- Trace mode = max hold

(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW ≥ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

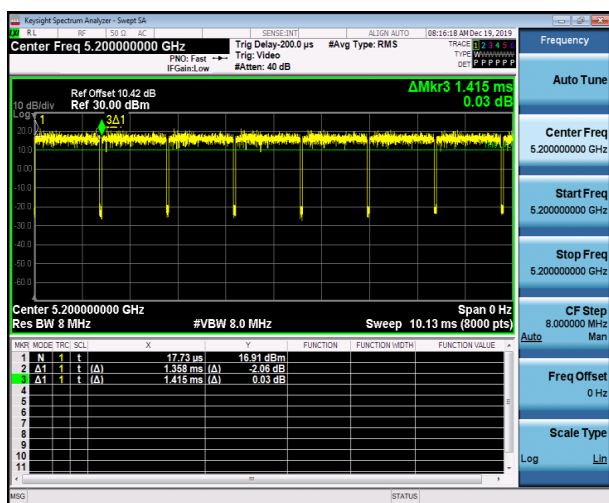
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum

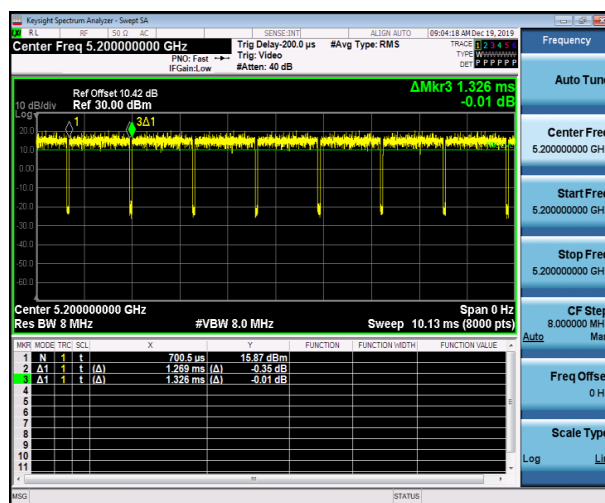
transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground..
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

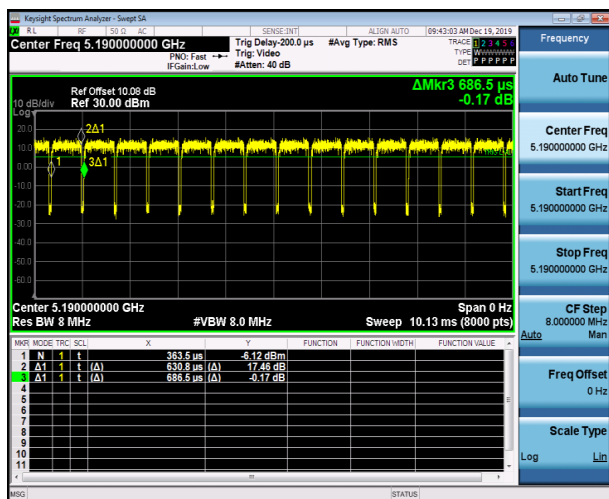
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	95.97	1.36	0.74	1kHz
802.11n HT20	95.70	1.27	0.79	1kHz
802.11n HT40	91.88	0.63	1.59	3kHz
802.11ac HT20	95.72	1.27	0.79	1kHz
802.11ac HT40	91.76	0.63	1.59	3kHz
802.11ac HT80	84.93	0.31	3.23	10kHz



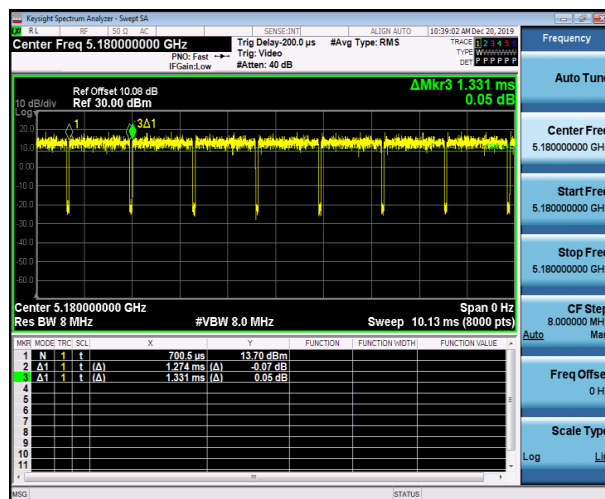
802.11a



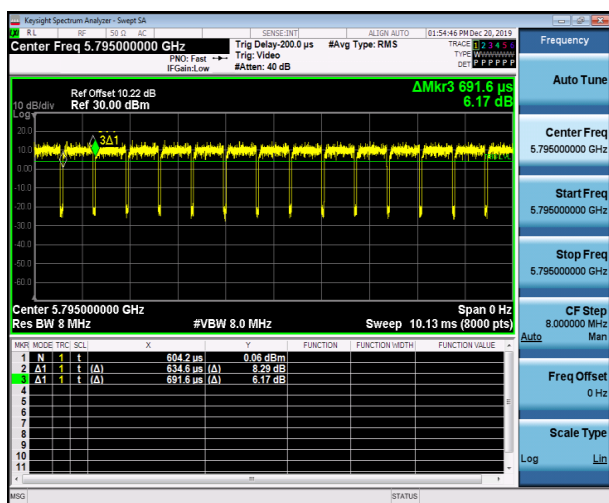
802.11n HT20



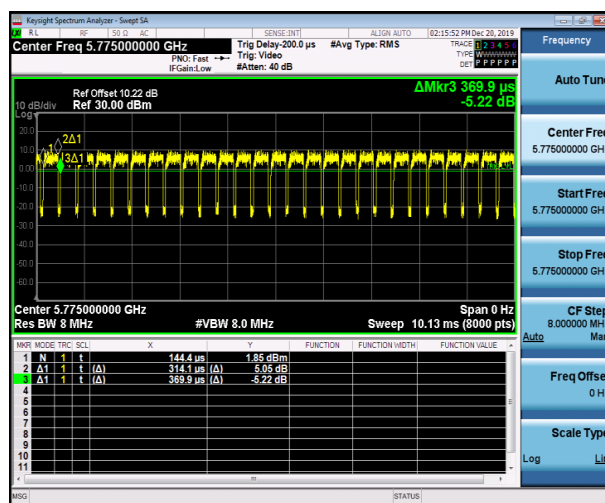
802.11n HT40



802.11ac HT20



802.11ac HT40



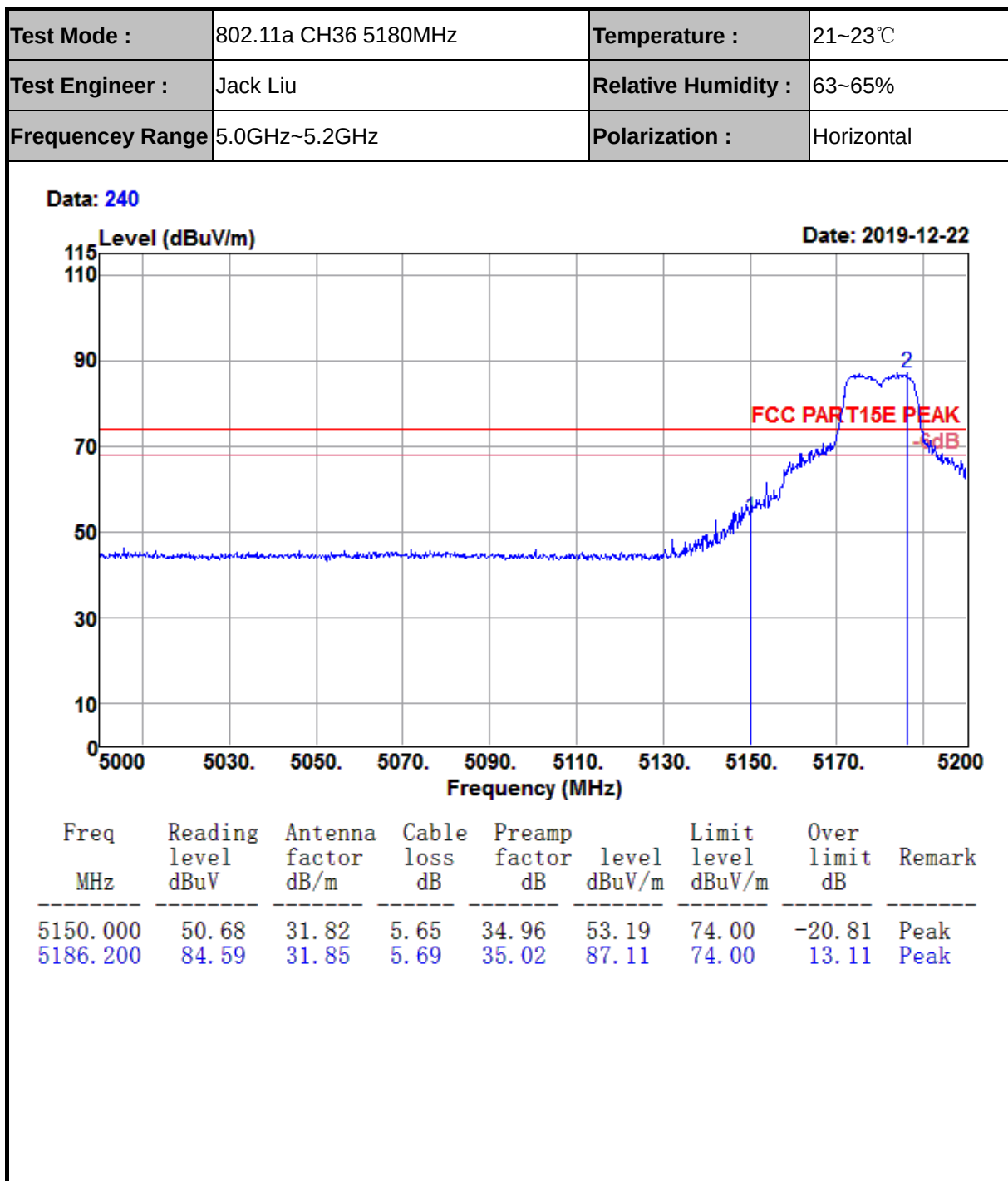
802.11ac HT80

8. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

4.4.3 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

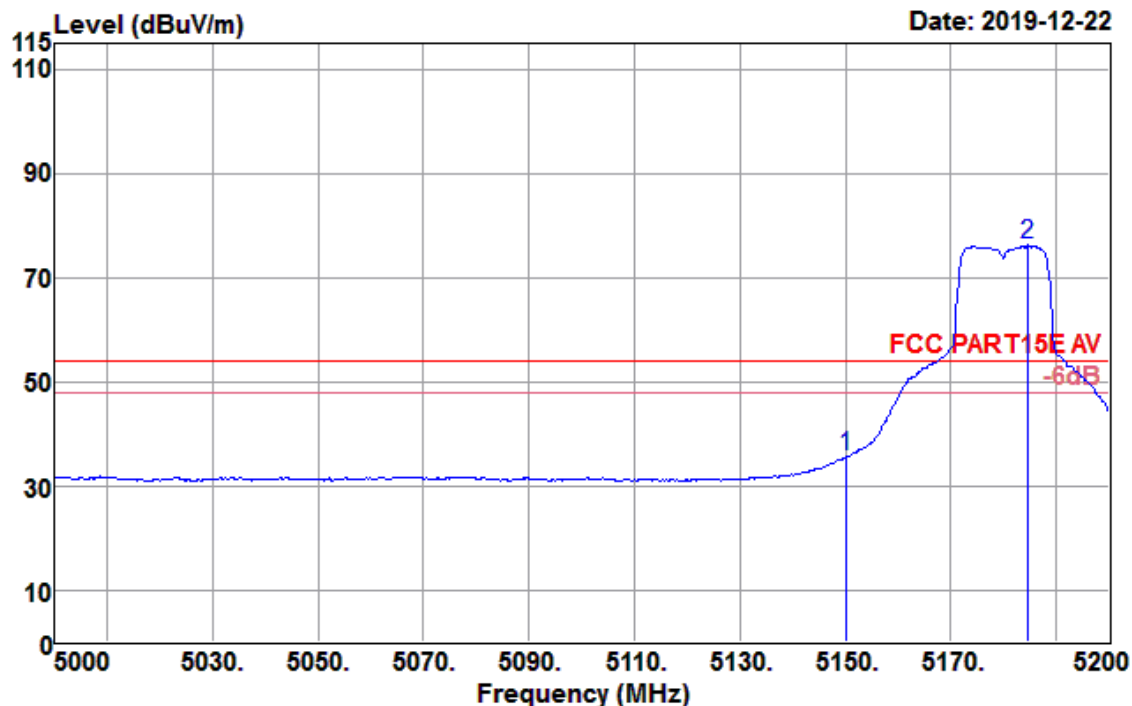
The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

4.4.4 Test Result of Radiated Spurious at Band Edges



Test Mode :	802.11a CH36 5180MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.0GHz~5.2GHz	Polarization :	Horizontal

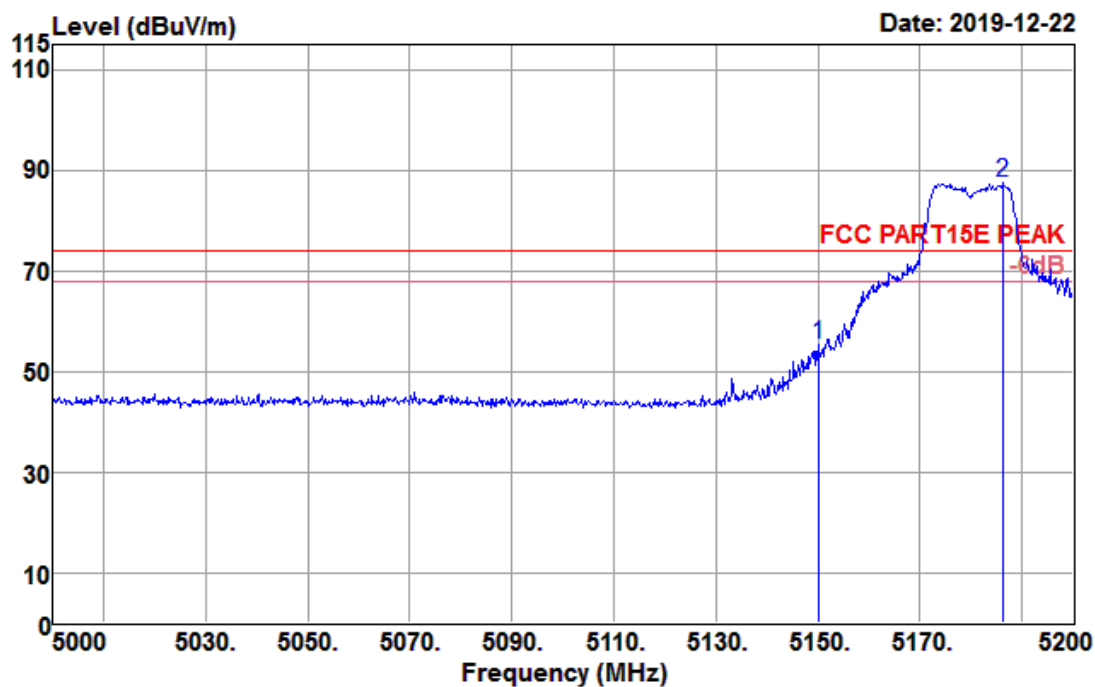
Data: 241



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	32.95	31.82	5.65	34.96	35.46	54.00	-18.54	Peak
5184.600	73.68	31.85	5.69	35.01	76.21	54.00	22.21	Peak

Test Mode :	802.11a CH36 5180MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.0GHz~5.2GHz	Polarization :	Vertical

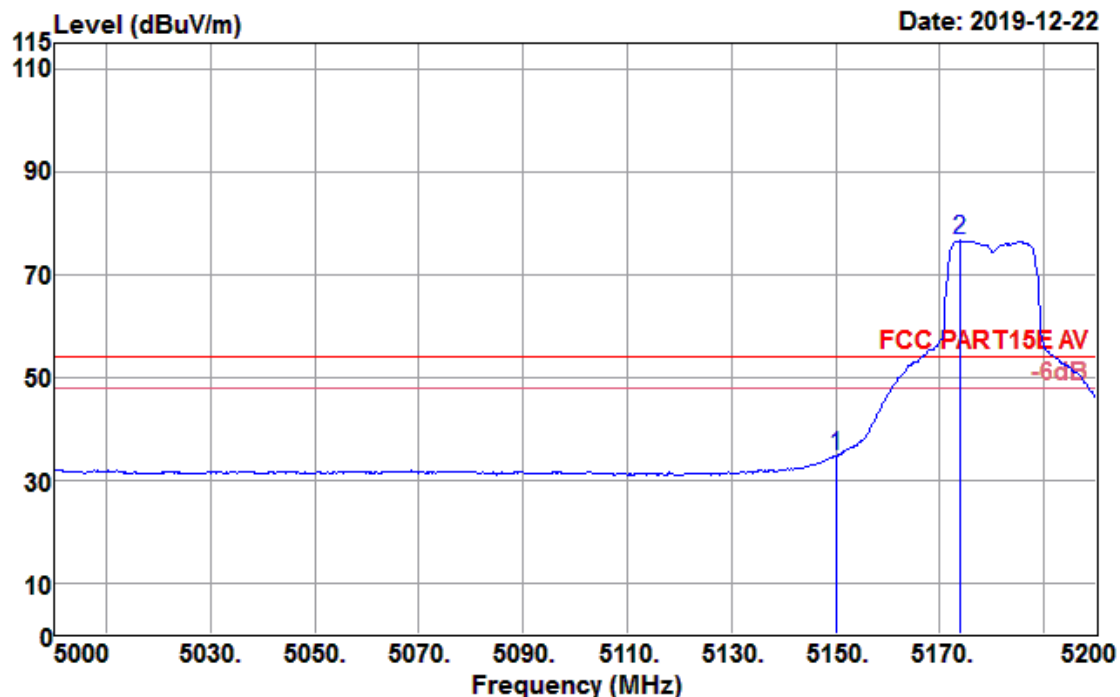
Data: 243



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	52.66	31.82	5.65	34.96	55.17	74.00	-18.83	Peak
5186.200	84.99	31.85	5.69	35.02	87.51	74.00	13.51	Peak

Test Mode :	802.11a CH36 5180MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.0GHz~5.2GHz	Polarization :	Vertical

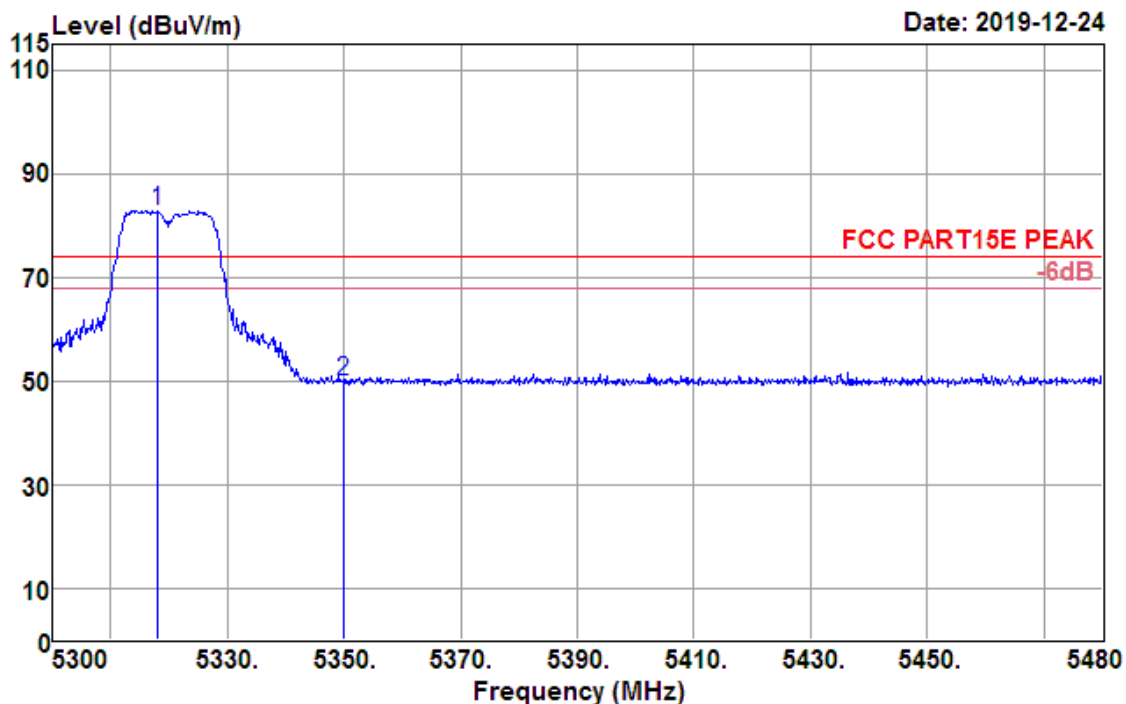
Data: 244



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	32.24	31.82	5.65	34.96	34.75	54.00	-19.25	Average
5173.800	74.01	31.84	5.68	35.00	76.53	54.00	22.53	Average

Test Mode :	802.11a CH64 5320MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.3GHz~5.48GHz	Polarization :	Horizontal

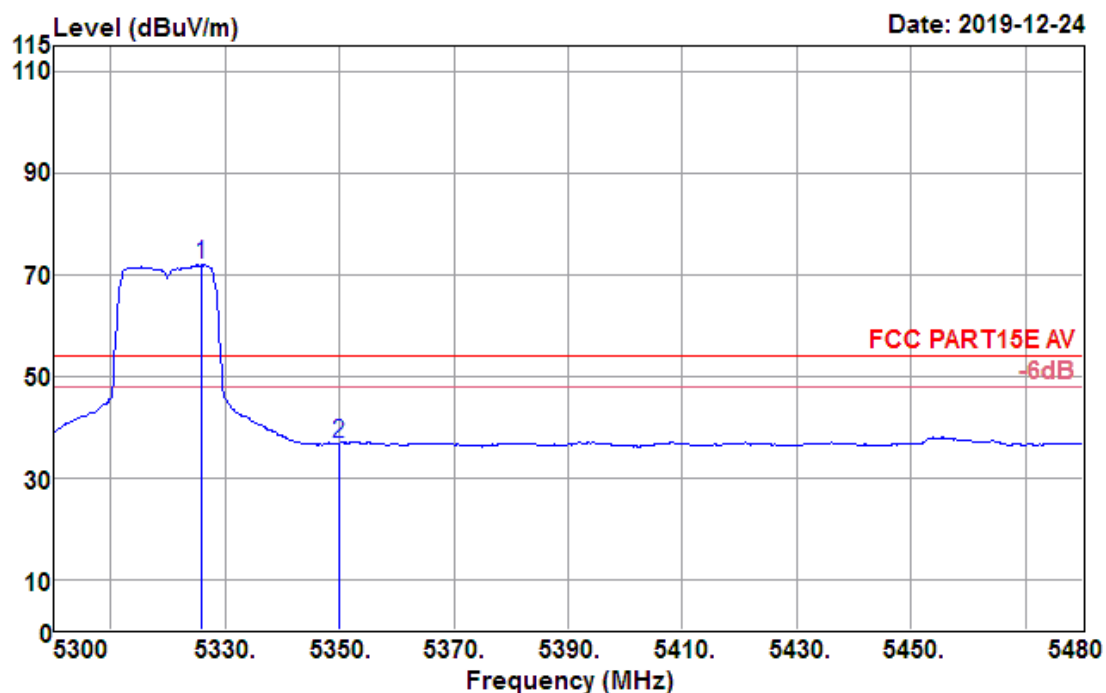
Data: 4



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5318.180	80.50	31.95	5.71	35.24	82.92	74.00	8.92	Peak
5350.000	47.57	31.98	5.71	35.30	49.96	74.00	-24.04	Peak

Test Mode :	802.11a CH64 5320MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.3GHz~5.48GHz	Polarization :	Horizontal

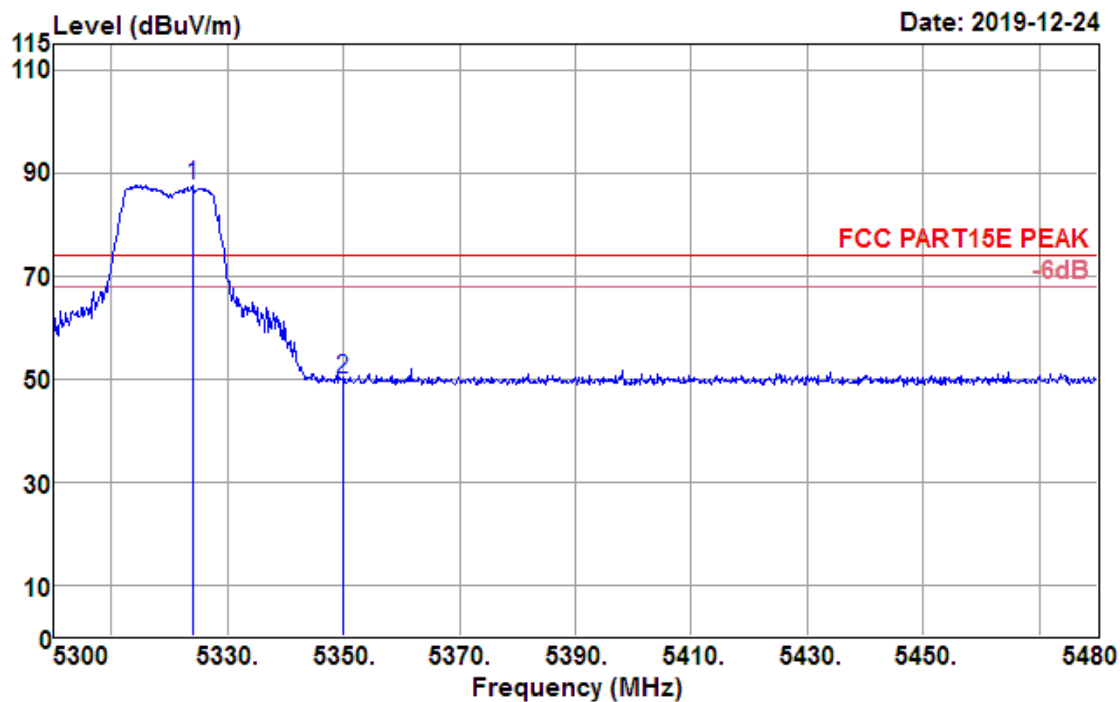
Data: 5



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5325.920	69.57	31.96	5.71	35.25	71.99	54.00	17.99	Average
5350.000	34.42	31.98	5.71	35.30	36.81	54.00	-17.19	Average

Test Mode :	802.11a CH64 5320MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.3GHz~5.48GHz	Polarization :	Vertical

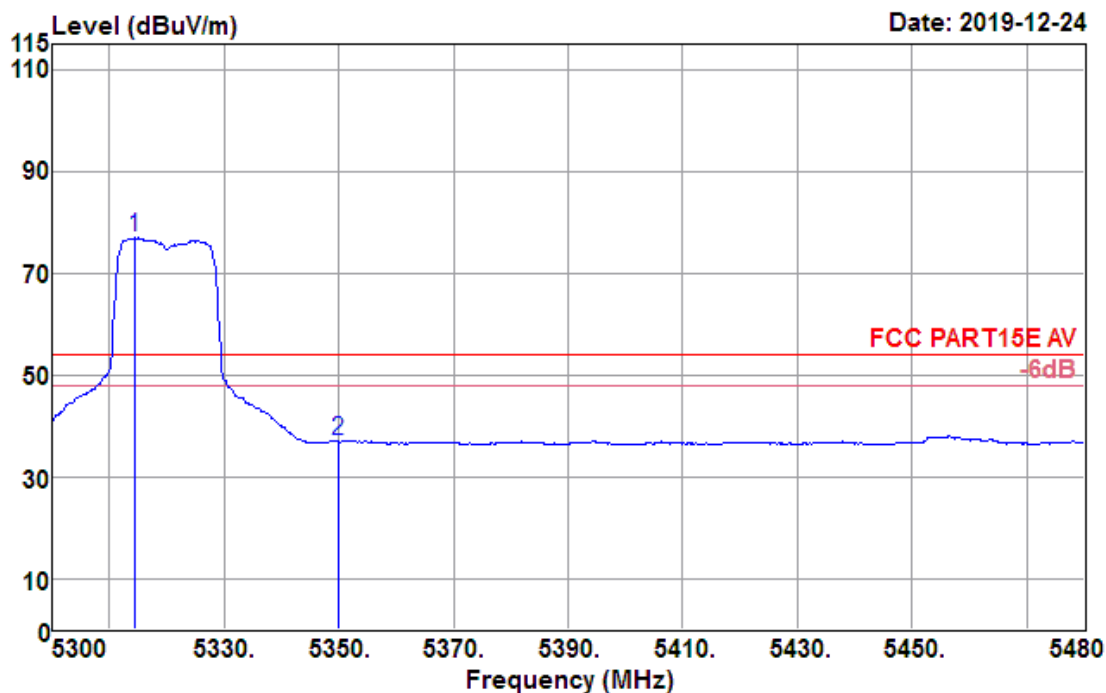
Data: 1



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5323.940	85.14	31.96	5.71	35.25	87.56	74.00	13.56	Peak
5350.000	47.57	31.98	5.71	35.30	49.96	74.00	-24.04	Peak

Test Mode :	802.11a CH64 5320MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.3GHz~5.48GHz	Polarization :	Vertical

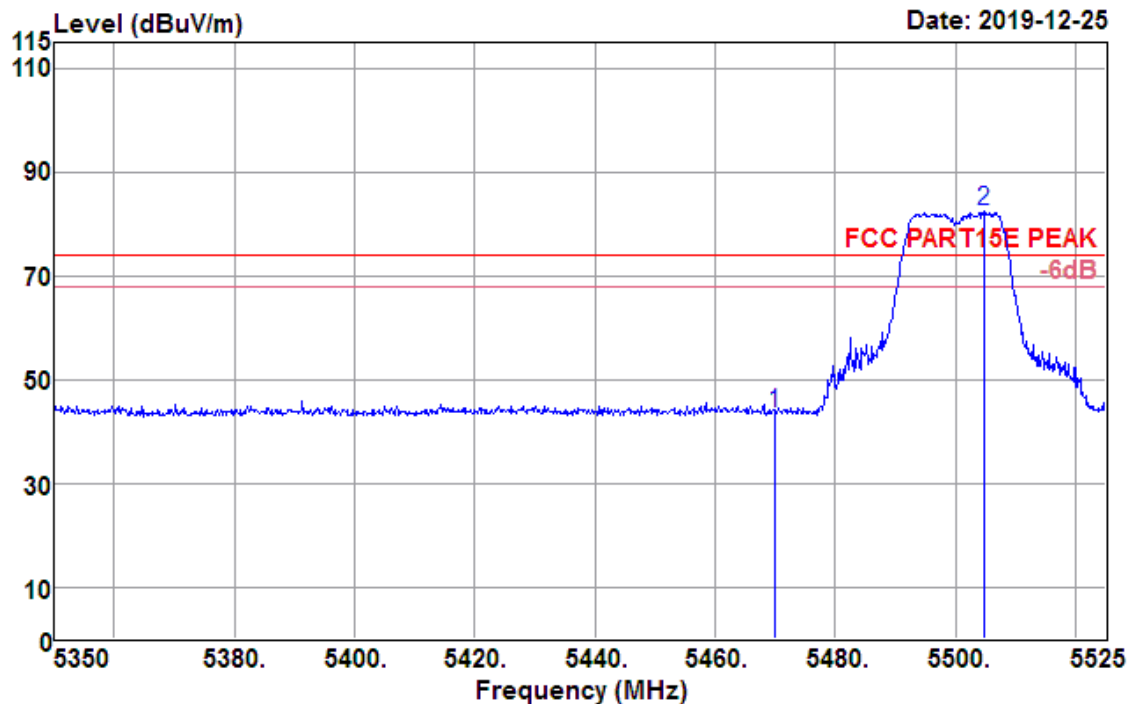
Data: 2



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5314.580	74.58	31.95	5.71	35.23	77.01	54.00	23.01	Average
5350.000	34.49	31.98	5.71	35.30	36.88	54.00	-17.12	Average

Test Mode :	802.11a CH100 5500MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.35GHz~5.525GHz	Polarization :	Horizontal

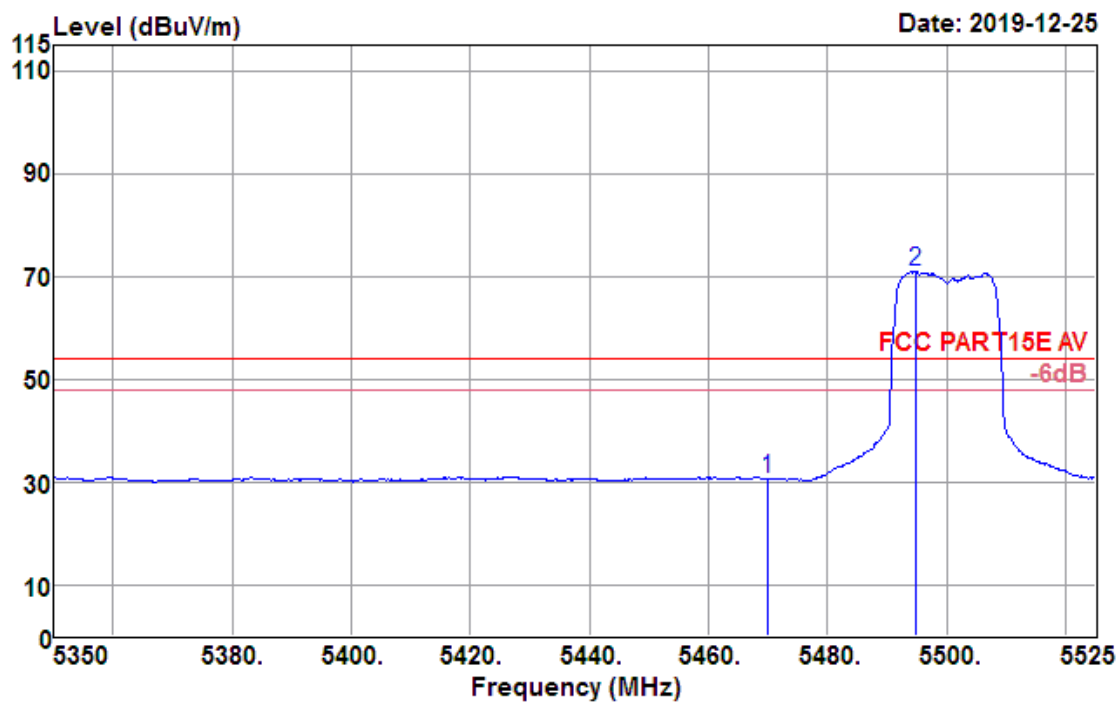
Data: 125



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	41.02	32.08	5.80	35.50	43.40	74.00	-30.60	Peak
5504.700	79.95	32.10	5.84	35.56	82.33	74.00	8.33	Peak

Test Mode :	802.11a CH100 5500MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.35GHz~5.525GHz	Polarization :	Horizontal

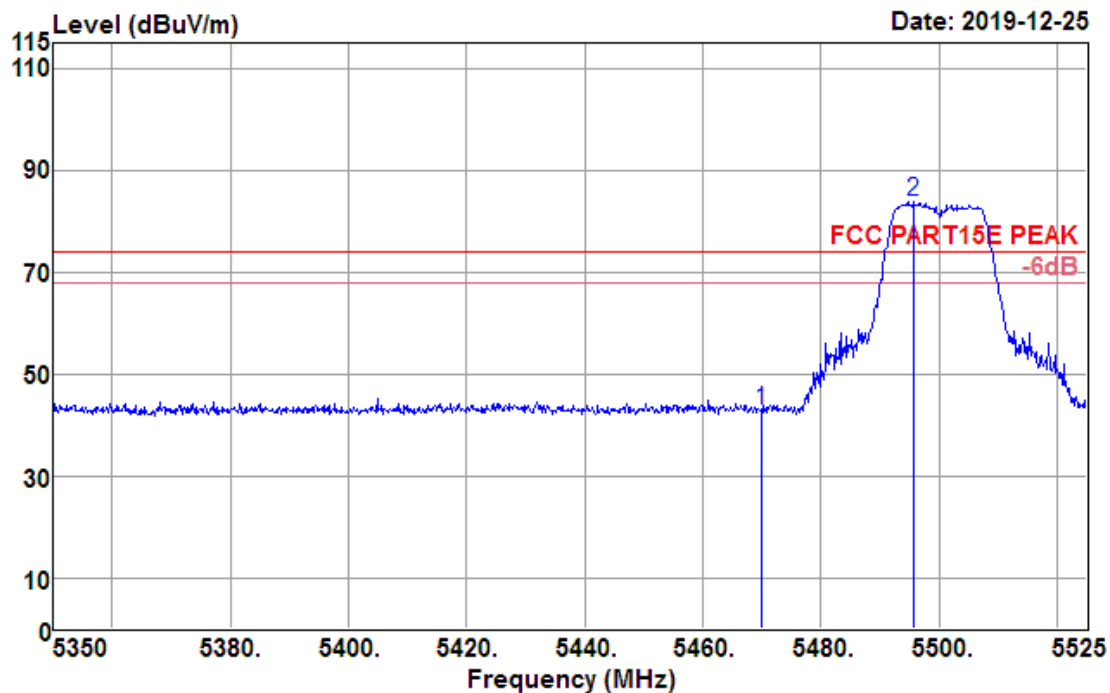
Data: 126



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	28.05	32.08	5.80	35.50	30.43	54.00	-23.57	Average
5494.725	68.49	32.10	5.82	35.54	70.87	54.00	16.87	Average

Test Mode :	802.11a CH100 5500MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.35GHz~5.525GHz	Polarization :	Vertical

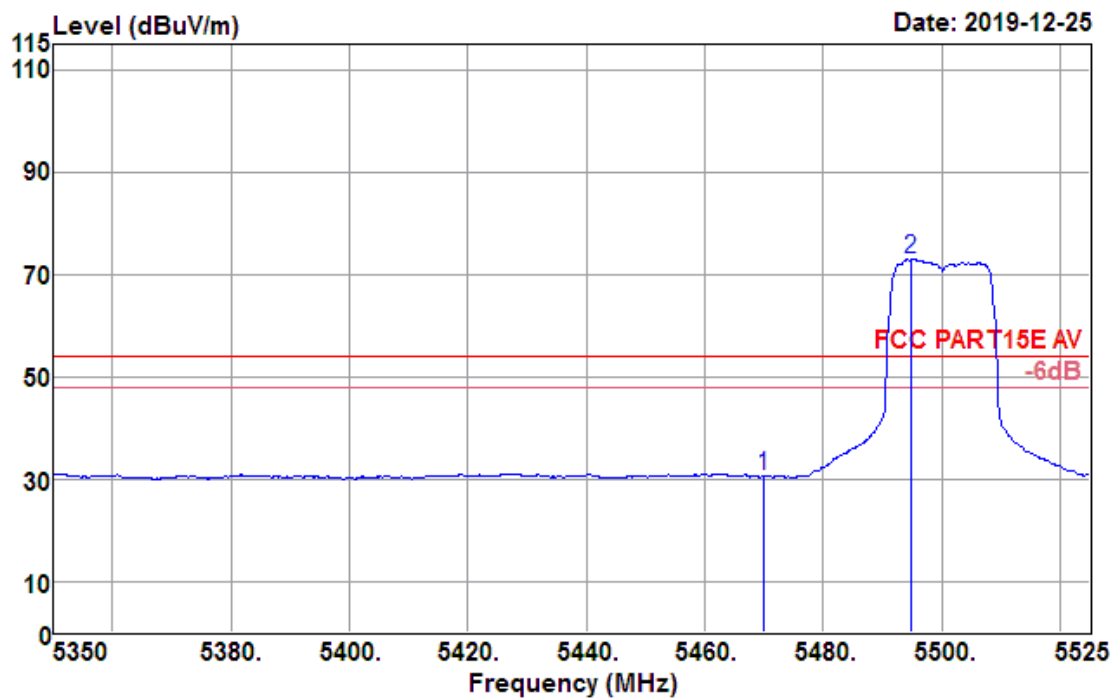
Data: 128



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	40.51	32.08	5.80	35.50	42.89	74.00	-31.11	Peak
5495.600	81.30	32.10	5.83	35.54	83.69	74.00	9.69	Peak

Test Mode :	802.11a CH100 5500MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.35GHz~5.525GHz	Polarization :	Vertical

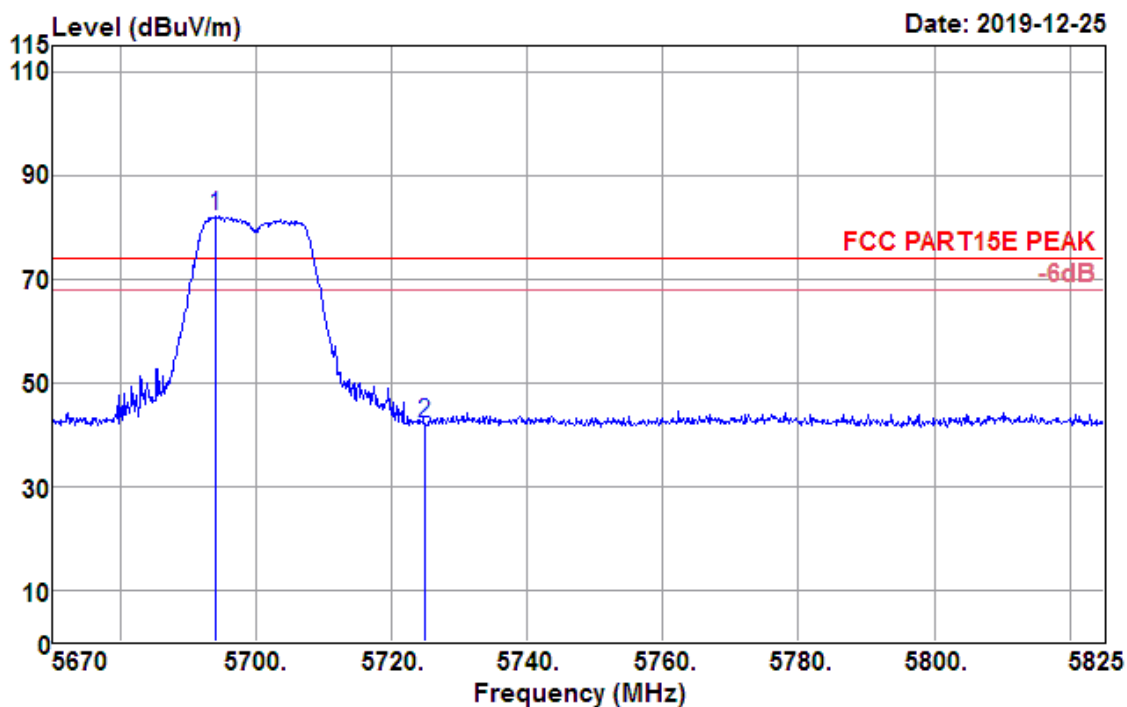
Data: 129



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	28.18	32.08	5.80	35.50	30.56	54.00	-23.44	Average
5494.900	70.53	32.10	5.82	35.54	72.91	54.00	18.91	Average

Test Mode :	802.11a CH140 5700MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.67GHz~5.825GHz	Polarization :	Horizontal

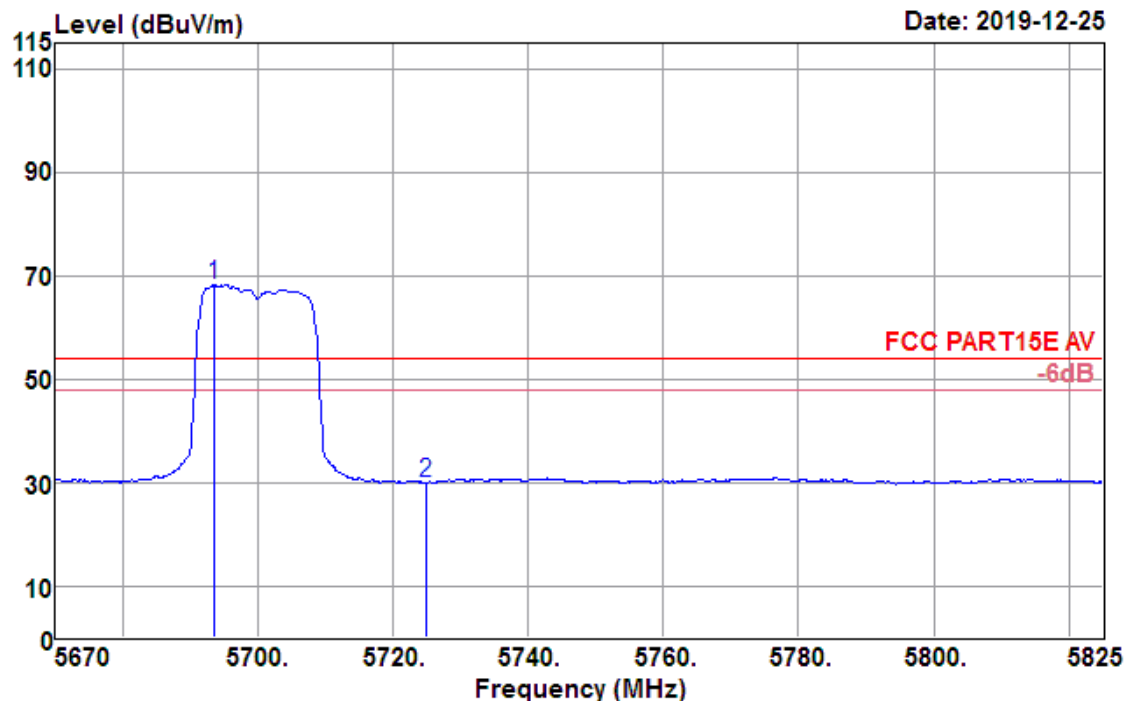
Data: 138



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5694.025	79.60	32.26	6.02	35.88	82.00	74.00	8.00	Peak
5725.000	39.74	32.28	6.04	35.93	42.13	74.00	-31.87	Peak

Test Mode :	802.11a CH140 5700MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.67GHz~5.825GHz	Polarization :	Horizontal

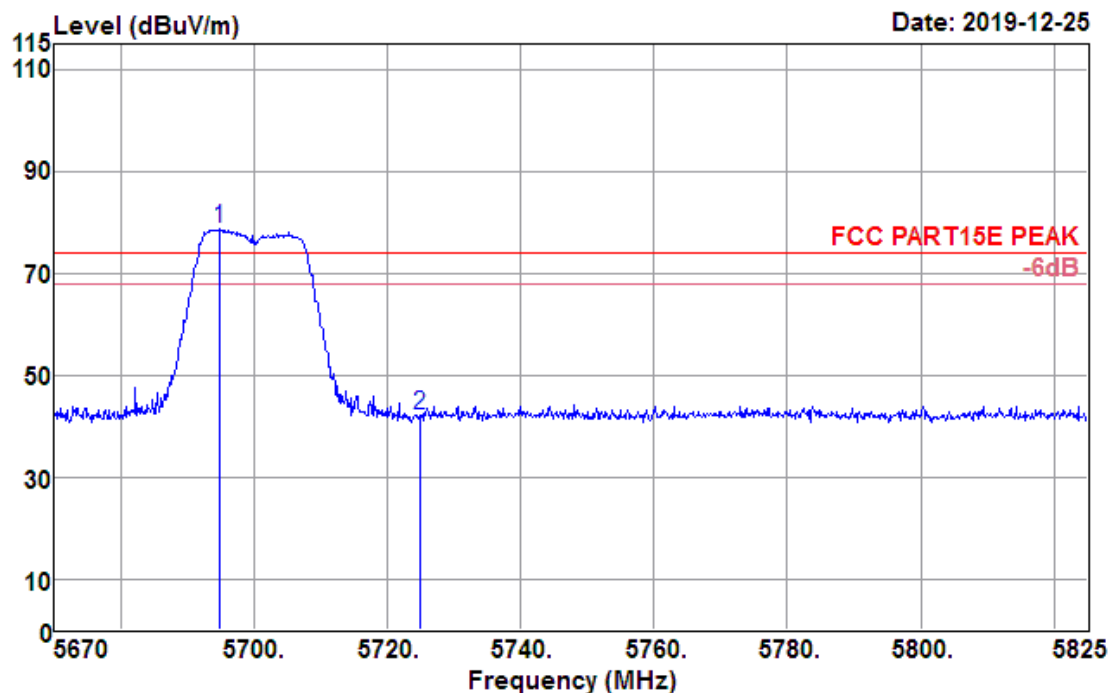
Data: 136



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5693.560	65.79	32.25	6.01	35.88	68.17	54.00	14.17	Average
5725.000	27.57	32.28	6.04	35.93	29.96	54.00	-24.04	Average

Test Mode :	802.11a CH140 5700MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.67GHz~5.825GHz	Polarization :	Vertical

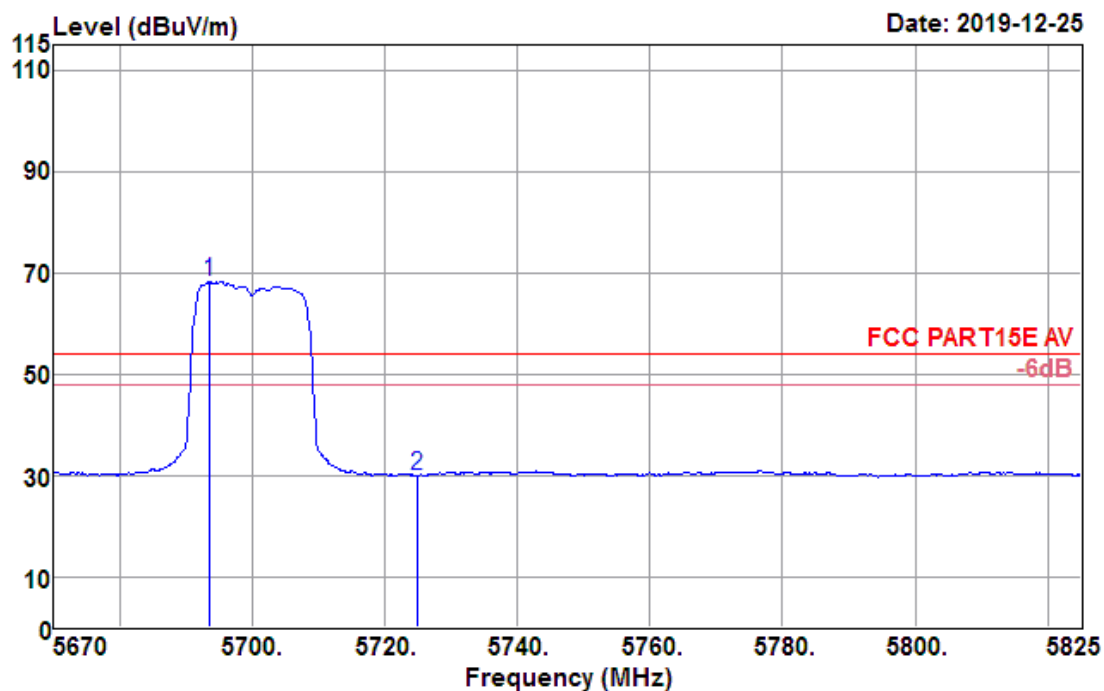
Data: 135



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5694.955	76.33	32.26	6.02	35.88	78.73	74.00	4.73	Peak
5725.000	39.72	32.28	6.04	35.93	42.11	74.00	-31.89	Peak

Test Mode :	802.11a CH140 5700MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.67GHz~5.825GHz	Polarization :	Vertical

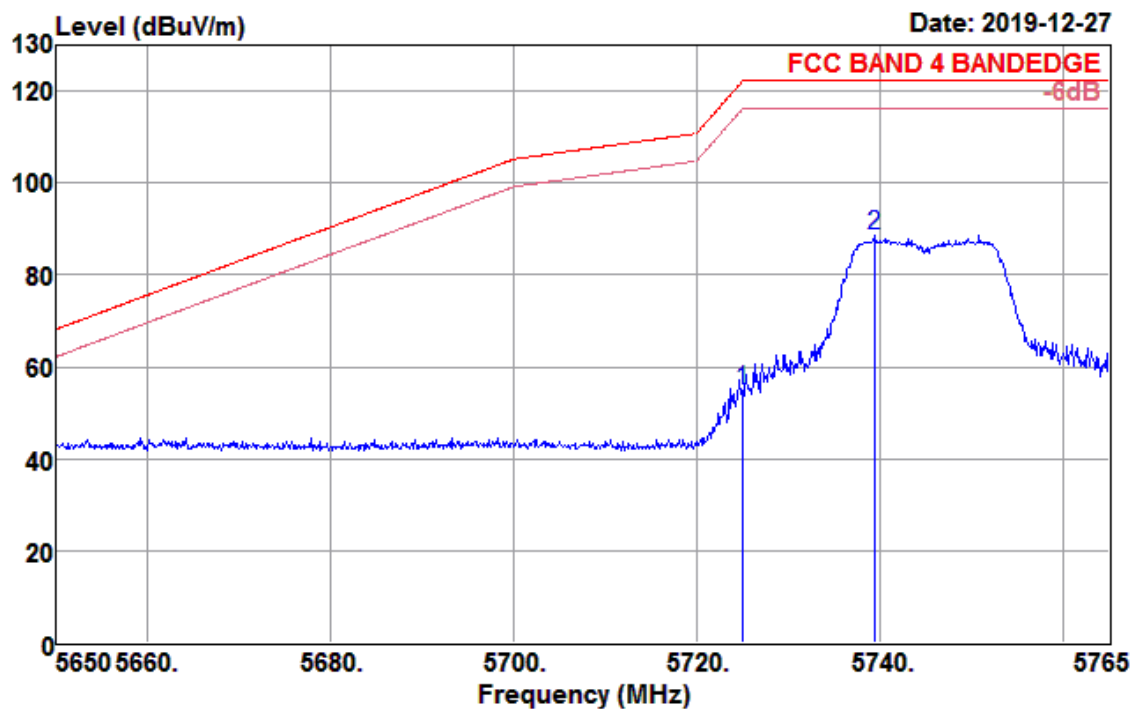
Data: 136



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5693.560	65.79	32.25	6.01	35.88	68.17	54.00	14.17	Average
5725.000	27.57	32.28	6.04	35.93	29.96	54.00	-24.04	Average

Test Mode :	802.11a CH149 5745MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.65GHz~5.765GHz	Polarization :	Horizontal

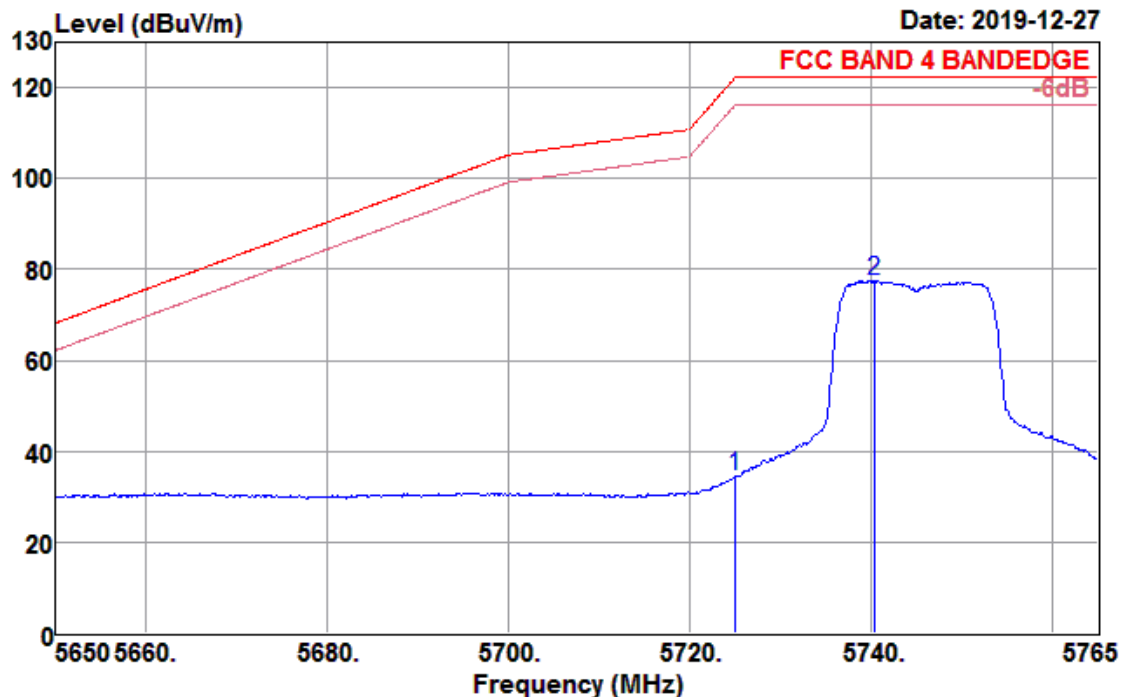
Data: 8



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	52.42	32.28	6.04	35.93	54.81	122.20	-67.39	Peak
5739.355	86.31	32.29	6.05	35.96	88.69	122.20	-33.51	Peak

Test Mode :	802.11a CH149 5745MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.65GHz~5.765GHz	Polarization :	Horizontal

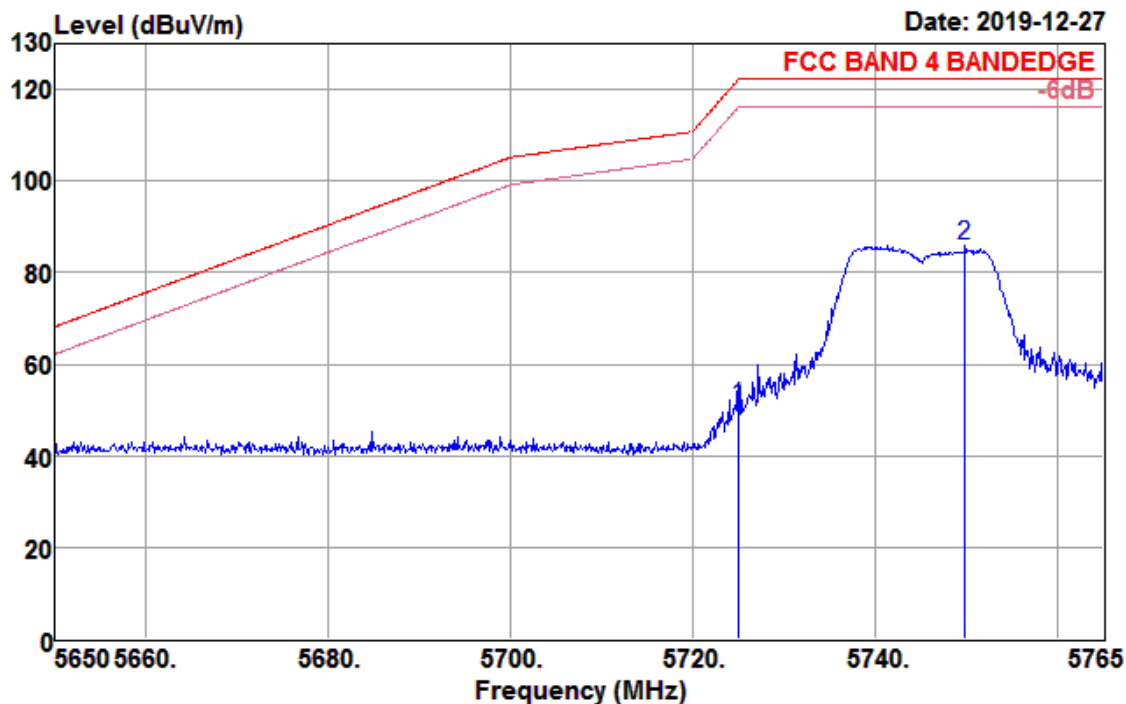
Data: 9



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	32.25	32.28	6.04	35.93	34.64	122.20	-87.56	Average
5740.390	75.01	32.29	6.05	35.96	77.39	122.20	-44.81	Average

Test Mode :	802.11a CH149 5745MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.65GHz~5765GHz	Polarization :	Vertical

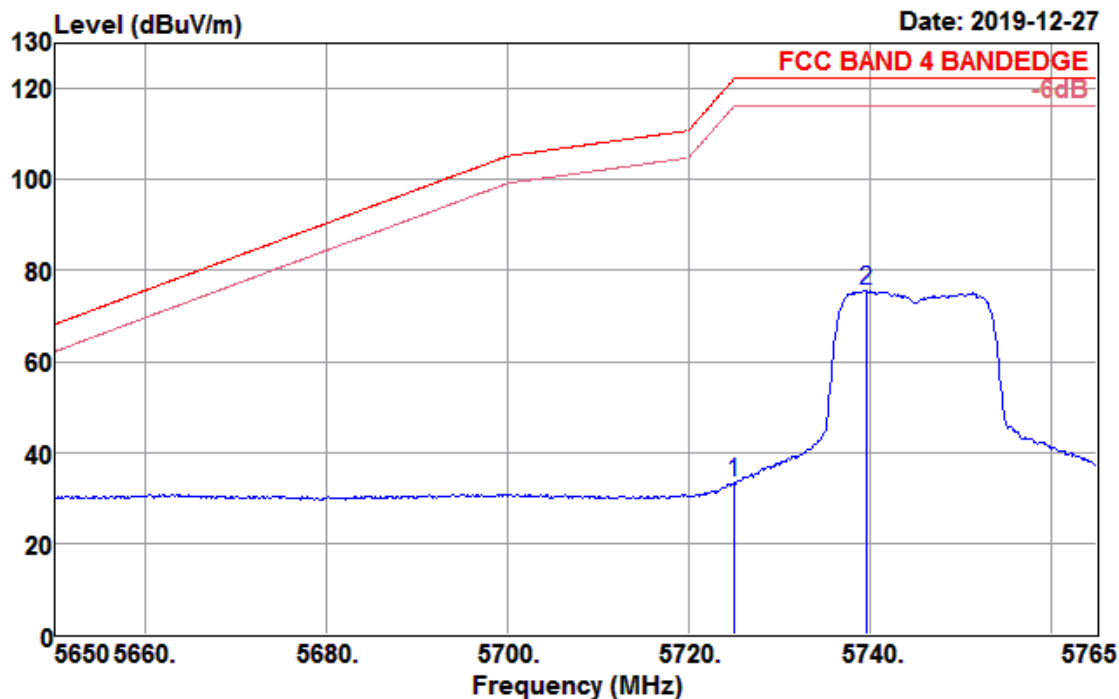
Data: 5



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	48.05	32.28	6.04	35.93	50.44	122.20	-71.76	Peak
5749.820	83.60	32.30	6.06	35.97	85.99	122.20	-36.21	Peak

Test Mode :	802.11a CH149 5745MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.65GHz~5765GHz	Polarization :	Vertical

Data: 6

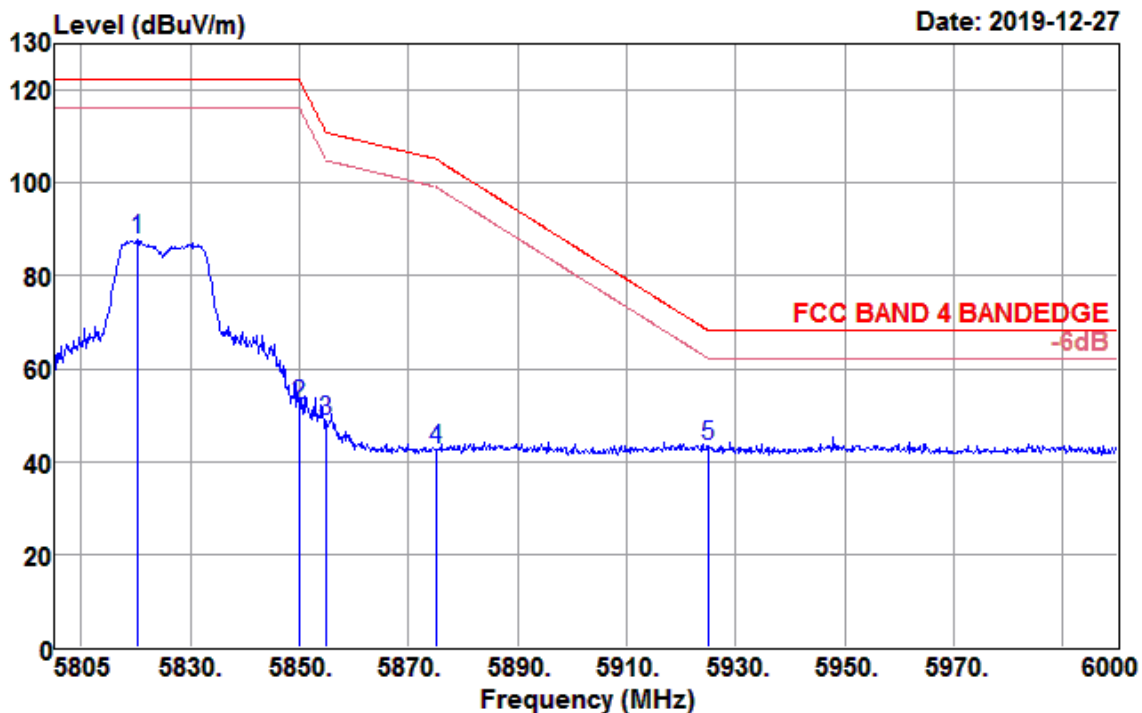


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	30.81	32.28	6.04	35.93	33.20	122.20	-89.00	Average
5739.585	73.31	32.29	6.05	35.96	75.69	122.20	-46.51	Average

Test Mode :	802.11a CH165 5825MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.805GHz~6GHz	Polarization :	Horizontal

Data: 24

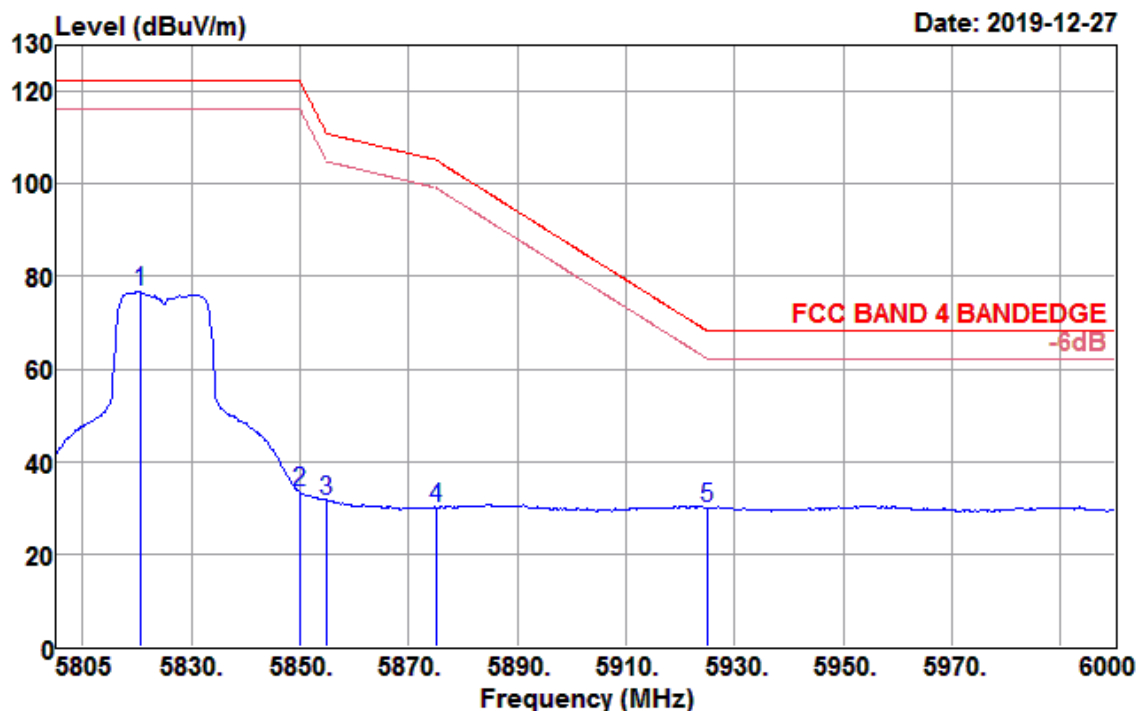
Date: 2019-12-27



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5820.210	85.31	32.36	6.12	36.09	87.70	122.20	-34.50	Peak
5850.000	49.75	32.38	6.15	36.15	52.13	122.20	-70.07	Peak
5855.000	46.50	32.38	6.16	36.15	48.89	110.80	-61.91	Peak
5875.000	40.15	32.40	6.18	36.19	42.54	105.20	-62.66	Peak
5925.000	40.77	32.44	6.22	36.27	43.16	68.20	-25.04	Peak

Test Mode :	802.11a CH165 5825MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.805GHz~6GHz	Polarization :	Horizontal

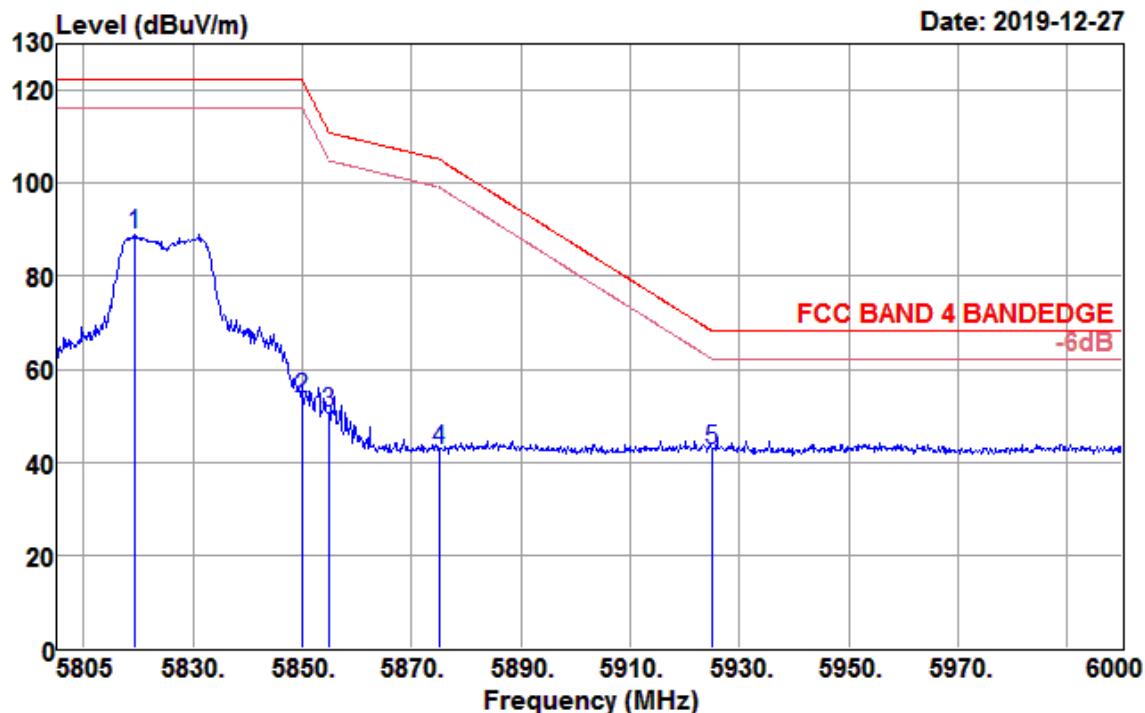
Data: 25



Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV/m	Limit level dBUV/m	Over limit dB	Remark
5820.600	74.30	32.36	6.12	36.10	76.68	122.20	-45.52	Average
5850.000	30.94	32.38	6.15	36.15	33.32	122.20	-88.88	Average
5855.000	29.19	32.38	6.16	36.15	31.58	110.80	-79.22	Average
5875.000	27.66	32.40	6.18	36.19	30.05	105.20	-75.15	Average
5925.000	27.70	32.44	6.22	36.27	30.09	68.20	-38.11	Average

Test Mode :	802.11a CH165 5825MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.805GHz~6GHz	Polarization :	Vertical

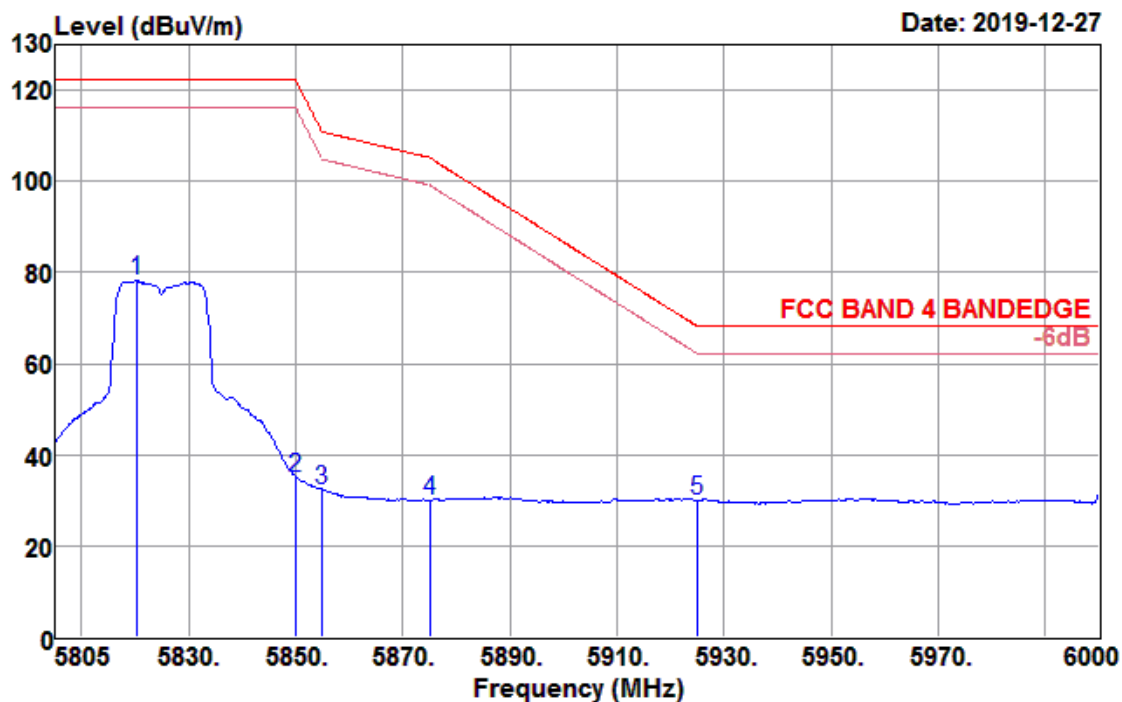
Data: 21



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5819.430	86.70	32.36	6.12	36.09	89.09	122.20	-33.11	Peak
5850.000	51.43	32.38	6.15	36.15	53.81	122.20	-68.39	Peak
5855.000	48.42	32.38	6.16	36.15	50.81	110.80	-59.99	Peak
5875.000	40.26	32.40	6.18	36.19	42.65	105.20	-62.55	Peak
5925.000	40.27	32.44	6.22	36.27	42.66	68.20	-25.54	Peak

Test Mode :	802.11a CH165 5825MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.805GHz~6GHz	Polarization :	Vertical

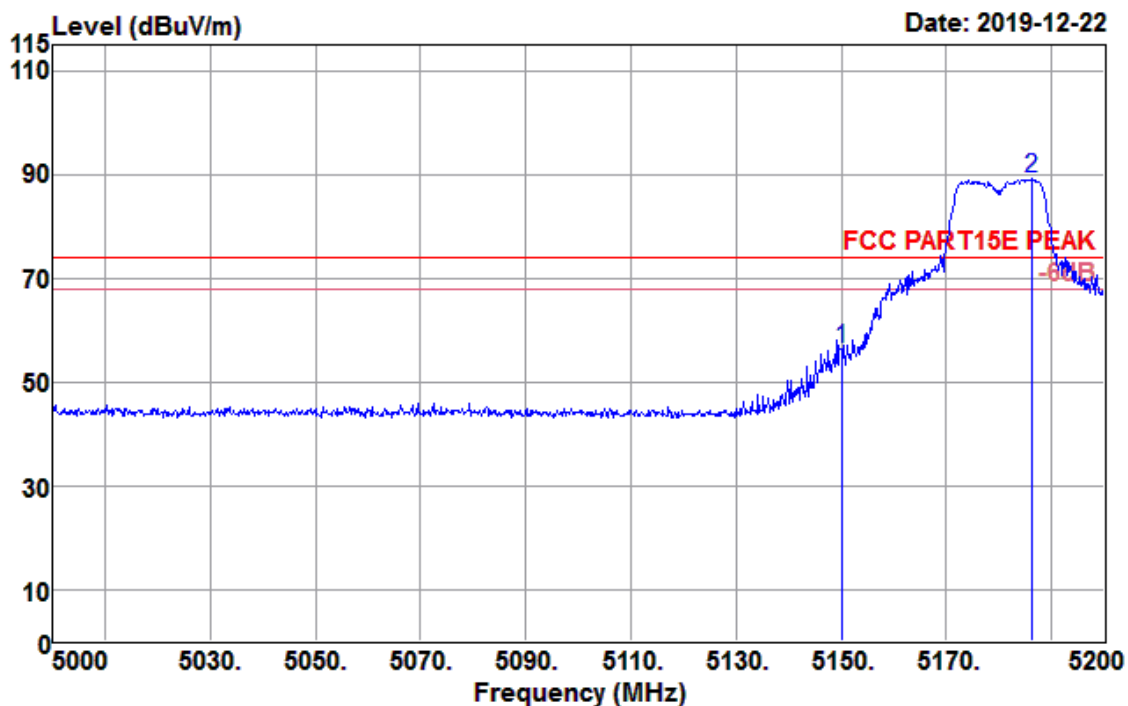
Data: 22



Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV/m	Limit level dBUV/m	Over limit dB	Remark
5820.405	75.84	32.36	6.12	36.09	78.23	122.20	-43.97	Average
5850.000	32.55	32.38	6.15	36.15	34.93	122.20	-87.27	Average
5855.000	29.95	32.38	6.16	36.15	32.34	110.80	-78.46	Average
5875.000	27.59	32.40	6.18	36.19	29.98	105.20	-75.22	Average
5925.000	27.71	32.44	6.22	36.27	30.10	68.20	-38.10	Average

Test Mode :	802.11n HT20 CH36 5180MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.0GHz~5.2GHz	Polarization :	Horizontal

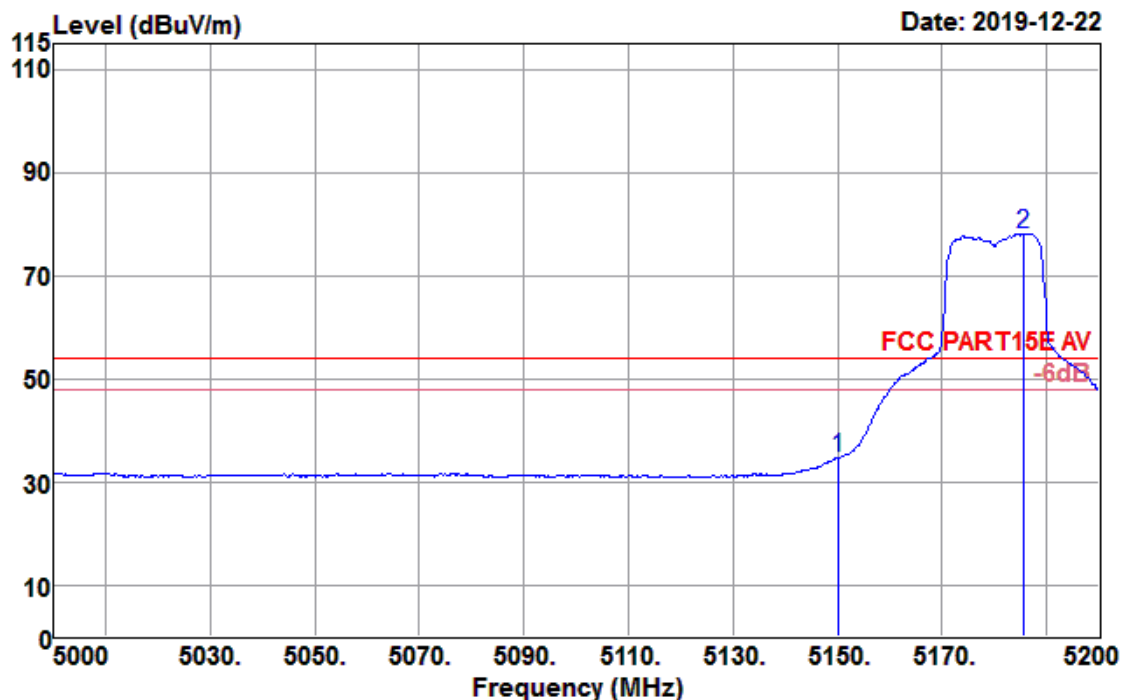
Data: 269



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	53.97	31.82	5.65	34.96	56.48	74.00	-17.52	Peak
5186.400	86.67	31.85	5.69	35.02	89.19	74.00	15.19	Peak

Test Mode :	802.11n HT20 CH36 5180MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5GHz~5.2GHz	Polarization :	Horizontal

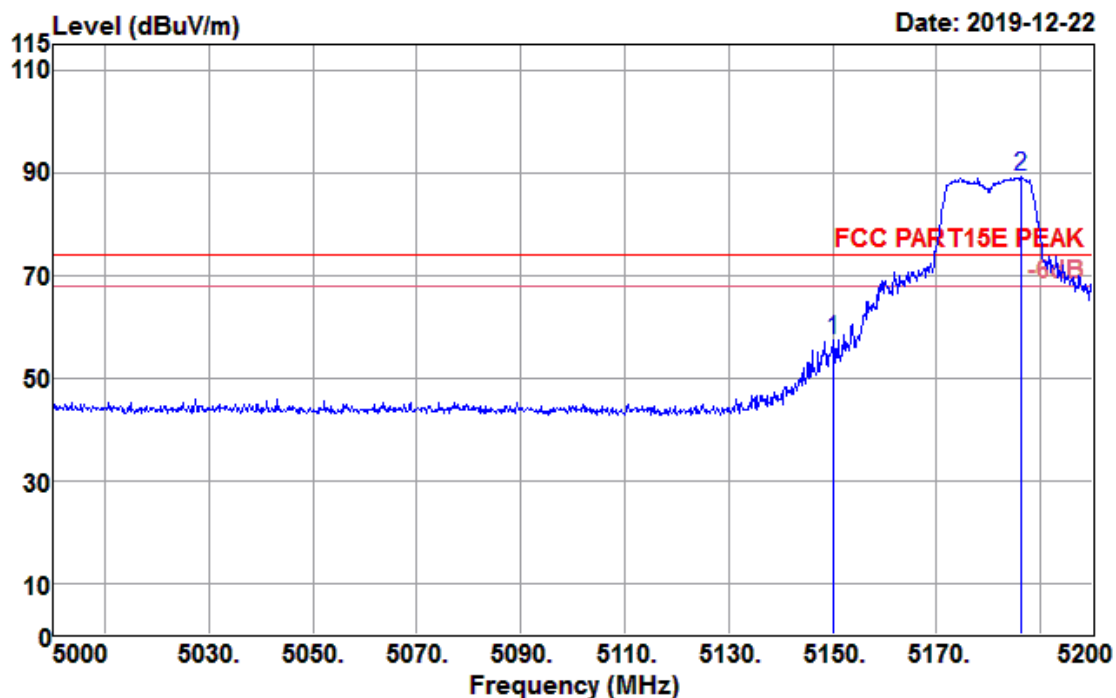
Data: 270



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	32.20	31.82	5.65	34.96	34.71	54.00	-19.29	Average
5185.600	75.63	31.85	5.69	35.02	78.15	54.00	24.15	Average

Test Mode :	802.11n HT20 CH36 5180MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.0GHz~5.2GHz	Polarization :	Vertical

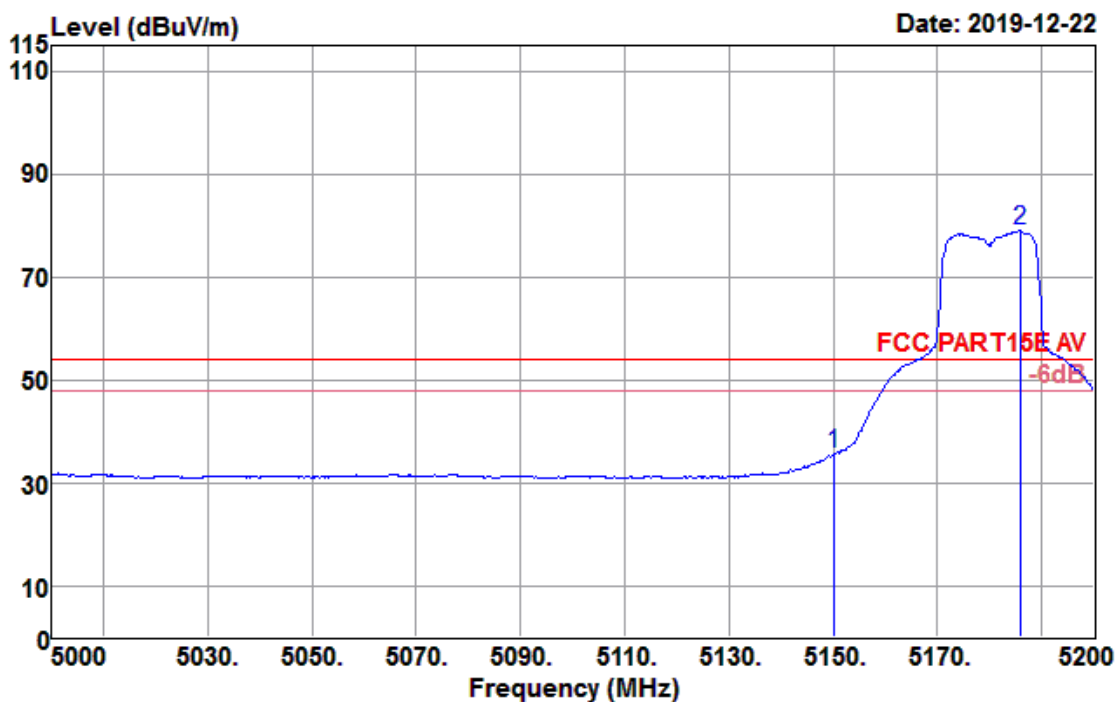
Data: 266



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	54.95	31.82	5.65	34.96	57.46	74.00	-16.54	Peak
5186.200	86.64	31.85	5.69	35.02	89.16	74.00	15.16	Peak

Test Mode :	802.11n HT20 CH36 5180MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.0GHz~5.2GHz	Polarization :	Vertical

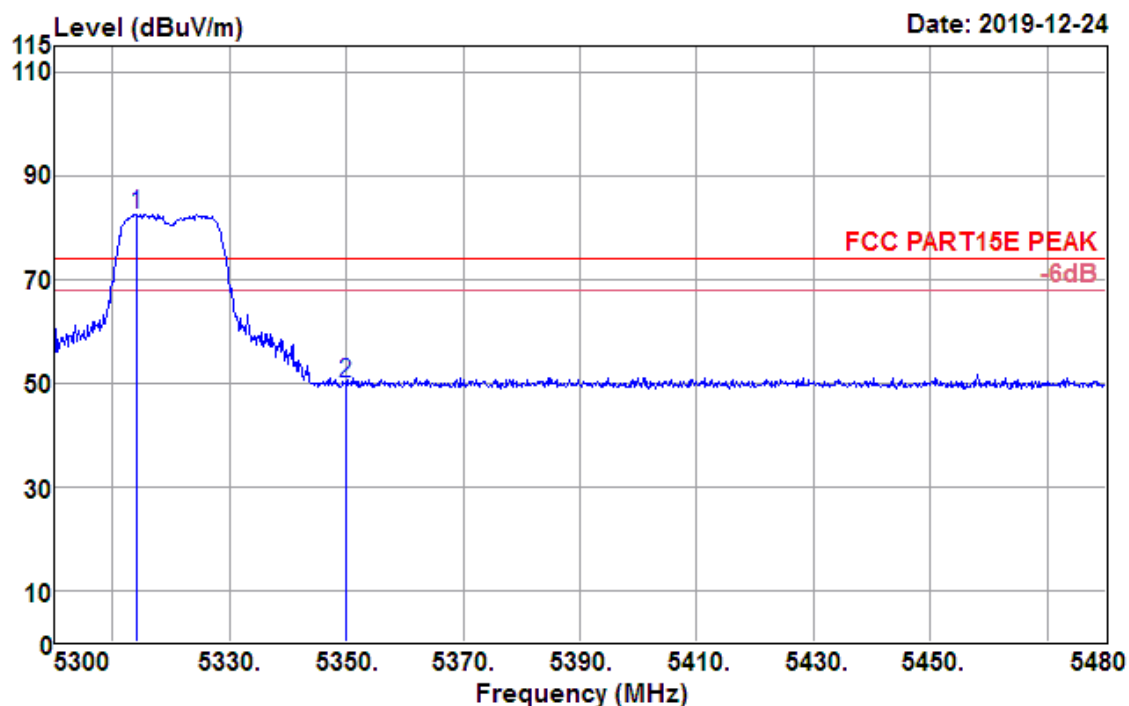
Data: 267



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	32.98	31.82	5.65	34.96	35.49	54.00	-18.51	Average
5185.800	76.42	31.85	5.69	35.02	78.94	54.00	24.94	Average

Test Mode :	802.11 n HT 20 CH64 5320MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.3GHz~5.48GHz	Polarization :	Horizontal

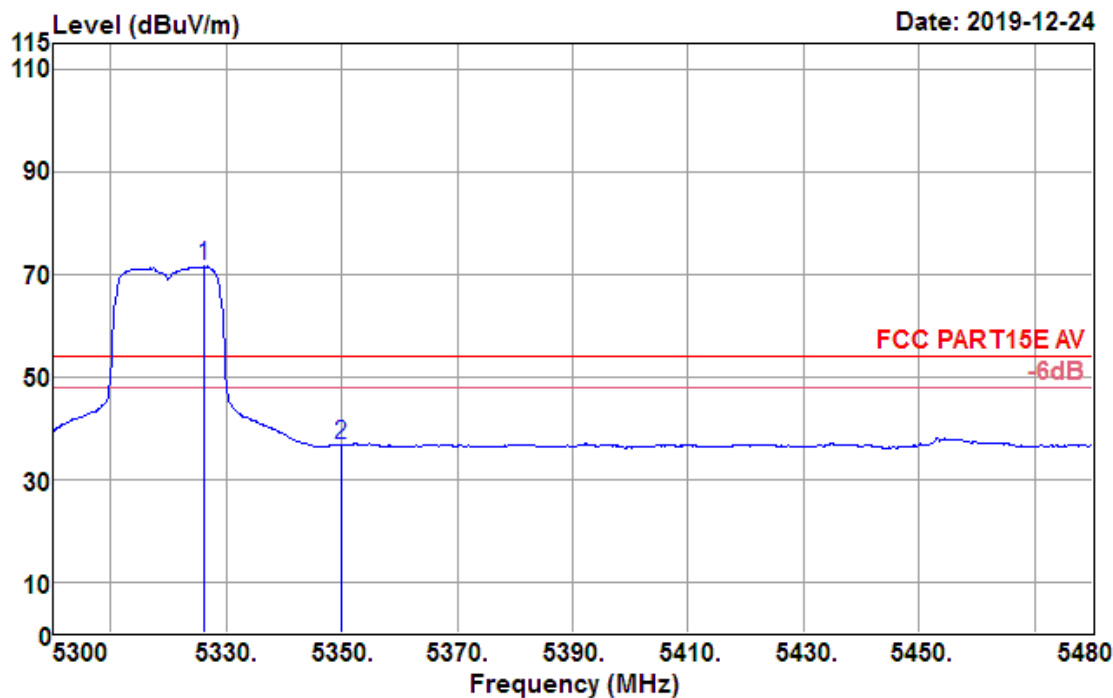
Data: 45



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5314.040	80.15	31.95	5.71	35.23	82.58	74.00	8.58	Peak
5350.000	47.60	31.98	5.71	35.30	49.99	74.00	-24.01	Peak

Test Mode :	802.11 n HT 20 CH64 5320MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.3GHz~5.48GHz	Polarization :	Horizontal

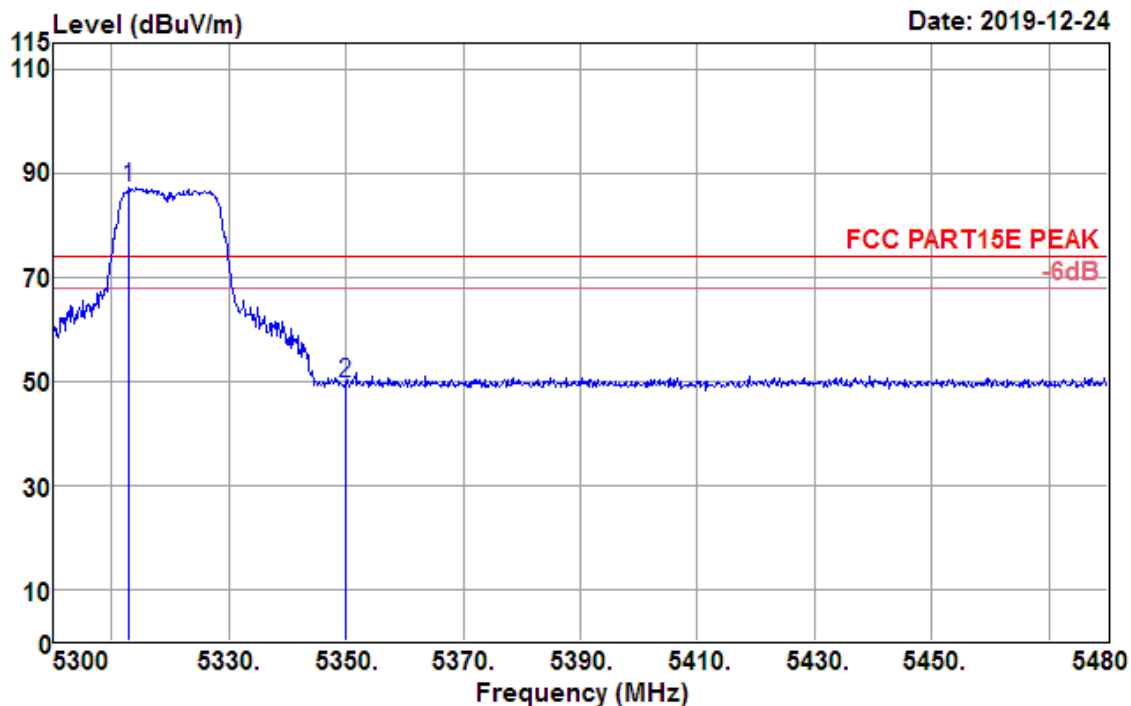
Data: 46



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5326.100	69.12	31.96	5.71	35.25	71.54	54.00	17.54	Average
5350.000	34.28	31.98	5.71	35.30	36.67	54.00	-17.33	Average

Test Mode :	802.11 n HT 20 CH64 5320MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.3GHz~5.48GHz	Polarization :	Vertical

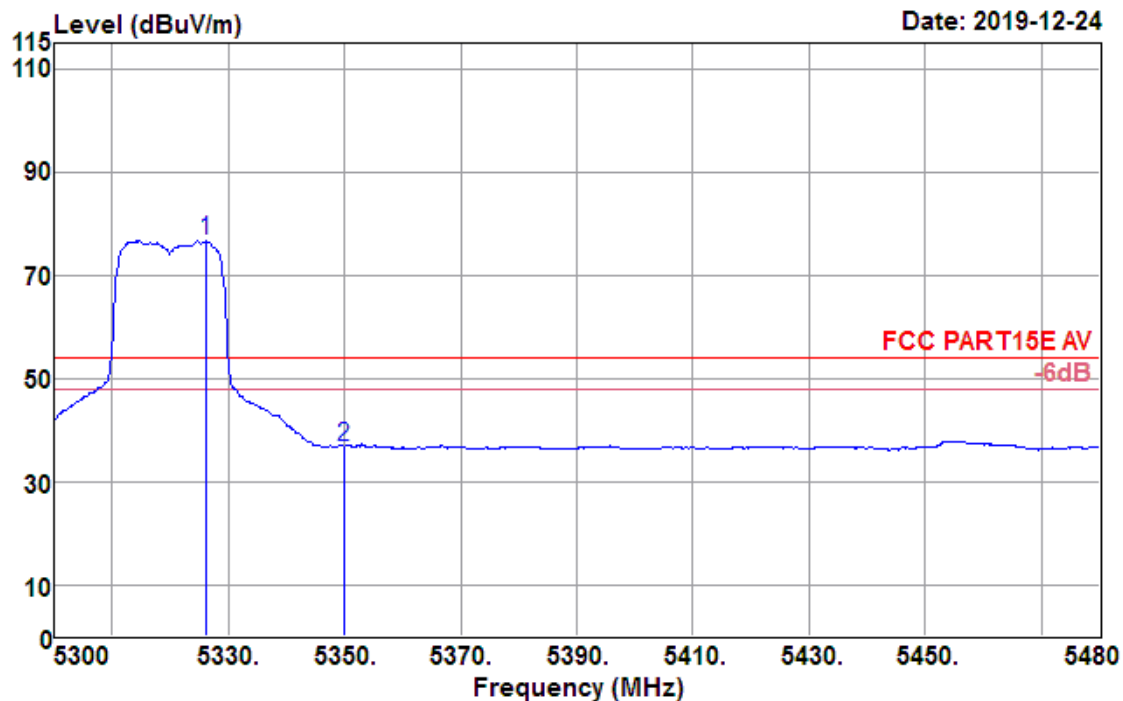
Data: 48



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5312.960	84.84	31.95	5.71	35.23	87.27	74.00	13.27	Peak
5350.000	47.07	31.98	5.71	35.30	49.46	74.00	-24.54	Peak

Test Mode :	802.11 n HT 20 CH64 5320MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.3GHz~5.48GHz	Polarization :	Vertical

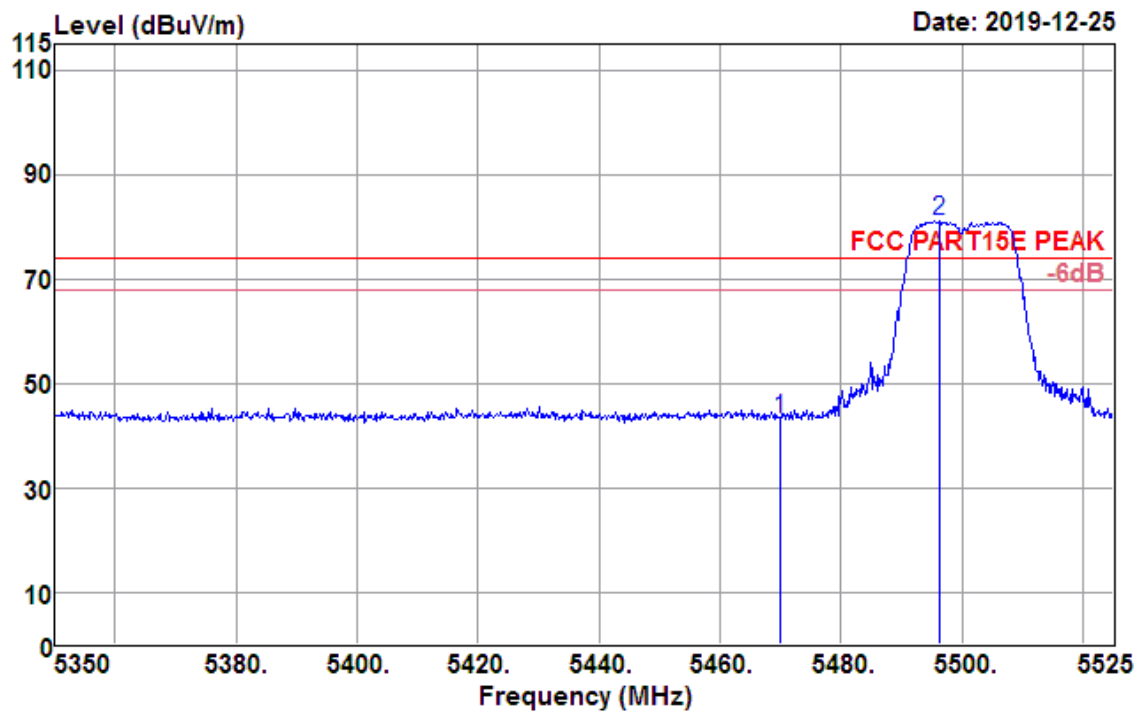
Data: 49



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5326.280	74.20	31.96	5.71	35.25	76.62	54.00	22.62	Average
5350.000	34.40	31.98	5.71	35.30	36.79	54.00	-17.21	Average

Test Mode :	802.11 n HT 20 CH100 5500MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.35GHz~5.525GHz	Polarization :	Horizontal

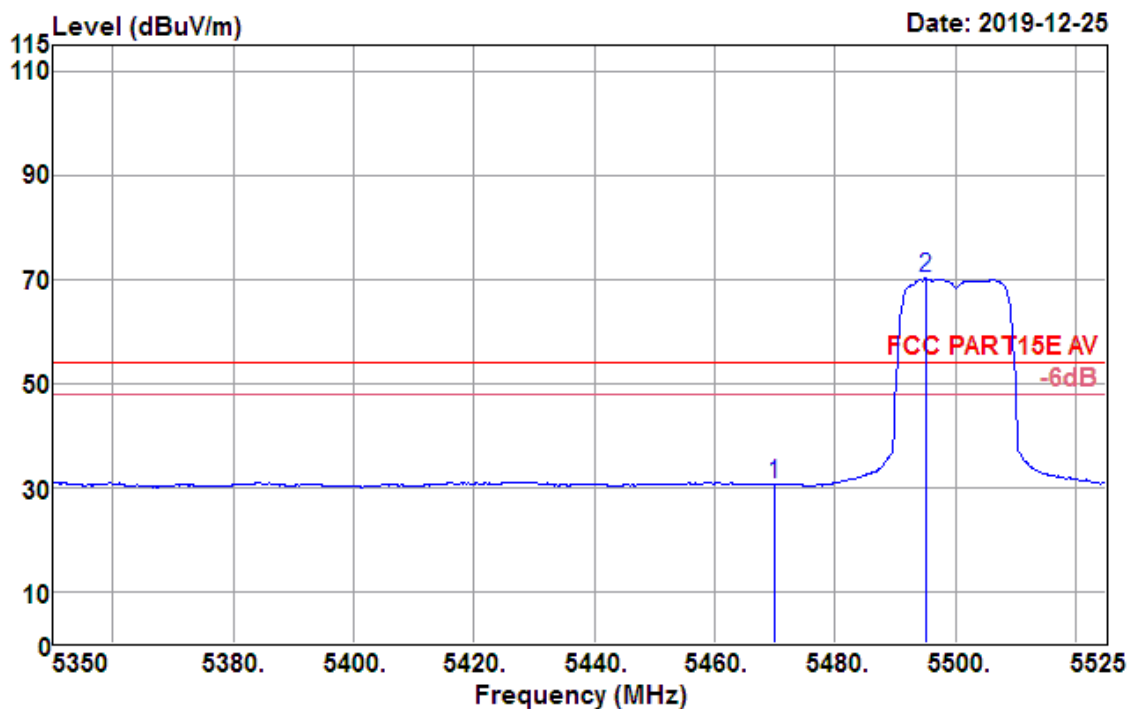
Data: 99



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	40.73	32.08	5.80	35.50	43.11	74.00	-30.89	Peak
5496.300	78.66	32.10	5.83	35.54	81.05	74.00	7.05	Peak

Test Mode :	802.11 n HT 20 CH100 5500MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.35GHz~5.525GHz	Polarization :	Horizontal

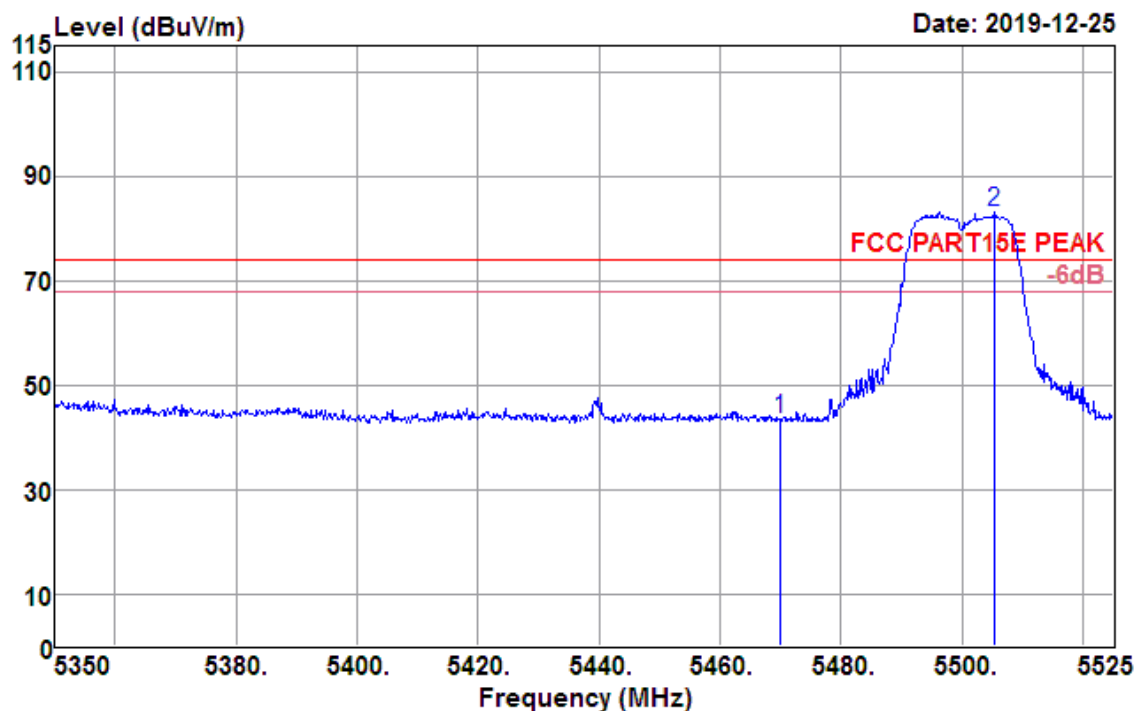
Data: 100



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	28.01	32.08	5.80	35.50	30.39	54.00	-23.61	Average
5495.075	67.88	32.10	5.82	35.54	70.26	54.00	16.26	Average

Test Mode :	802.11 n HT 20 CH100 5500MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.35GHz~5.525GHz	Polarization :	Vertical

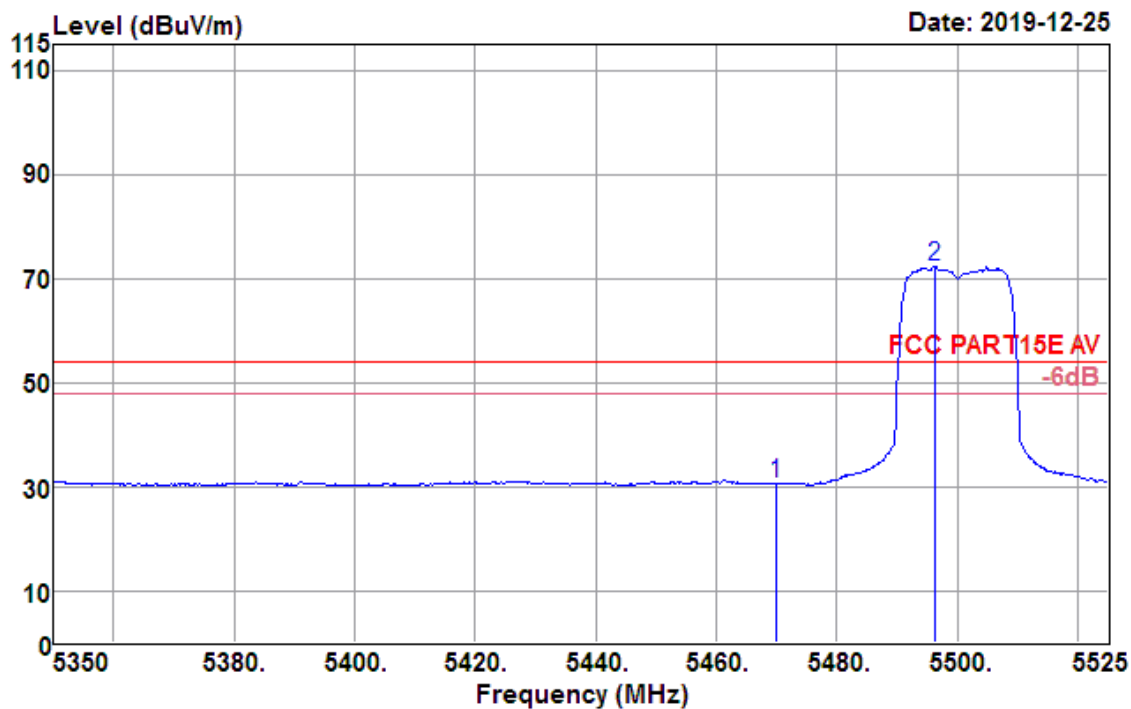
Data: 102



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	40.96	32.08	5.80	35.50	43.34	74.00	-30.66	Peak
5505.400	80.59	32.10	5.84	35.56	82.97	74.00	8.97	Peak

Test Mode :	802.11 n HT 20 CH100 5500MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.35GHz~5.525GHz	Polarization :	Vertical

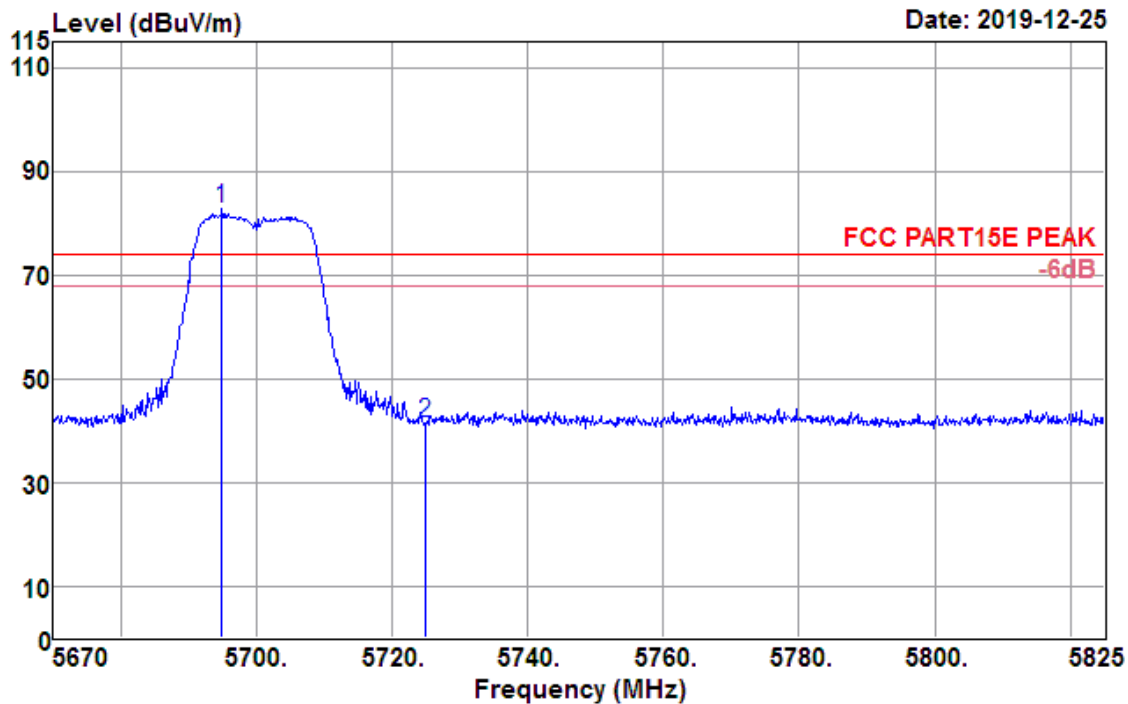
Data: 103



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	28.18	32.08	5.80	35.50	30.56	54.00	-23.44	Average
5496.300	69.91	32.10	5.83	35.54	72.30	54.00	18.30	Average

Test Mode :	802.11 n HT 20 CH140 5700MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.670GHz~5.825GHz	Polarization :	Horizontal

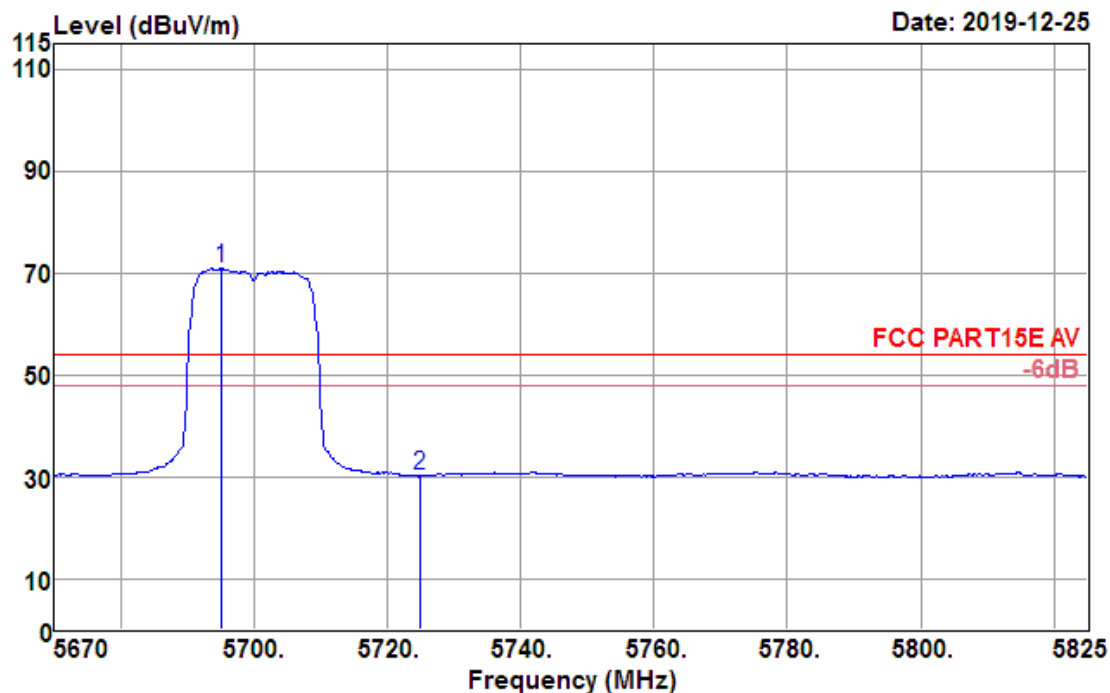
Data: 112



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5694.955	80.22	32.26	6.02	35.88	82.62	74.00	8.62	Peak
5725.000	39.05	32.28	6.04	35.93	41.44	74.00	-32.56	Peak

Test Mode :	802.11 n HT 20 CH140 5700MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.67GHz~5.825GHz	Polarization :	Horizontal

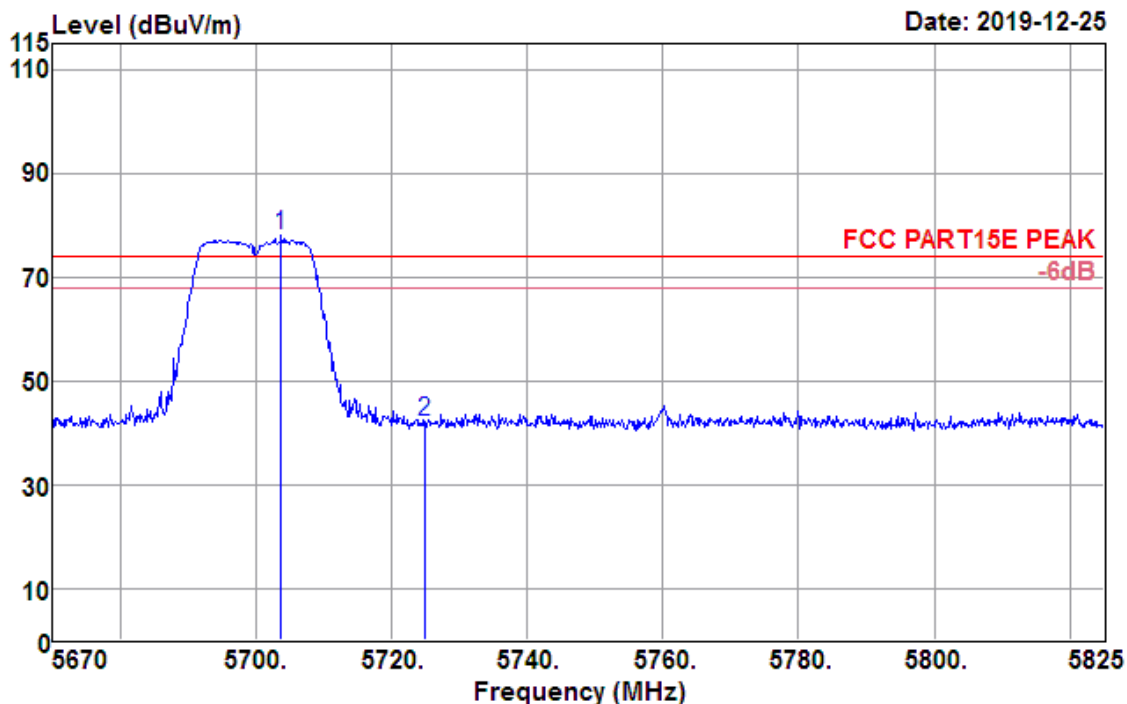
Data: 113



Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV/m	Limit level dBUV/m	Over limit dB	Remark
5695.110	68.49	32.26	6.02	35.88	70.89	54.00	16.89	Average
5725.000	27.67	32.28	6.04	35.93	30.06	54.00	-23.94	Average

Test Mode :	802.11 n HT 20 CH140 5700MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.670GHz~5.825GHz	Polarization :	Vertical

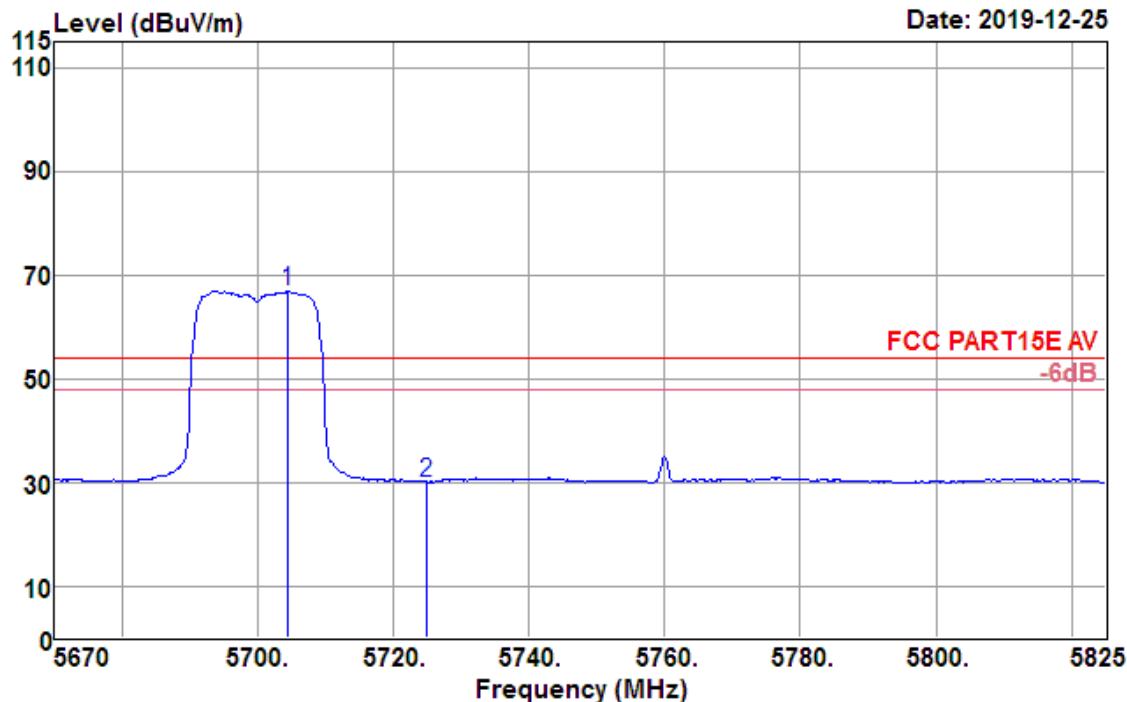
Data: 109



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5703.790	75.61	32.26	6.02	35.90	77.99	74.00	3.99	Peak
5725.000	39.56	32.28	6.04	35.93	41.95	74.00	-32.05	Peak

Test Mode :	802.11 n HT 20 CH140 5700MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.67GHz~5.825GHz	Polarization :	Vertical

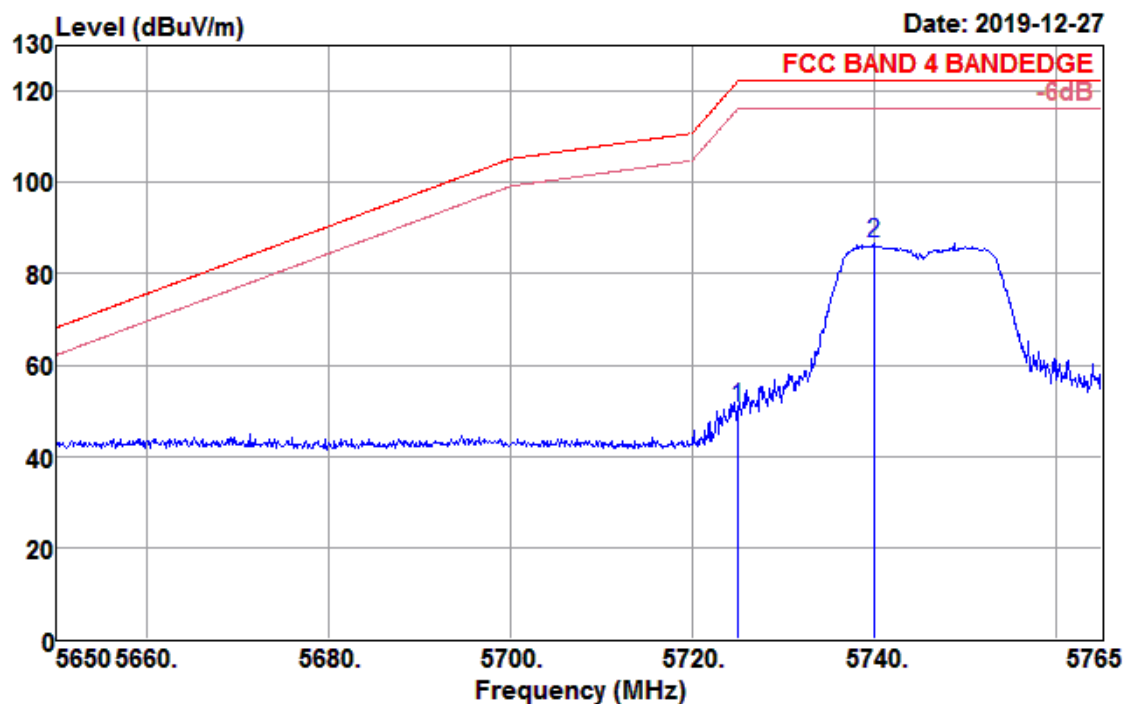
Data: 110



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5704.410	64.41	32.26	6.02	35.90	66.79	54.00	12.79	Average
5725.000	27.63	32.28	6.04	35.93	30.02	54.00	-23.98	Average

Test Mode :	802.11 n HT 20 CH149 5745MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.65GHz~5.765GHz	Polarization :	Horizontal

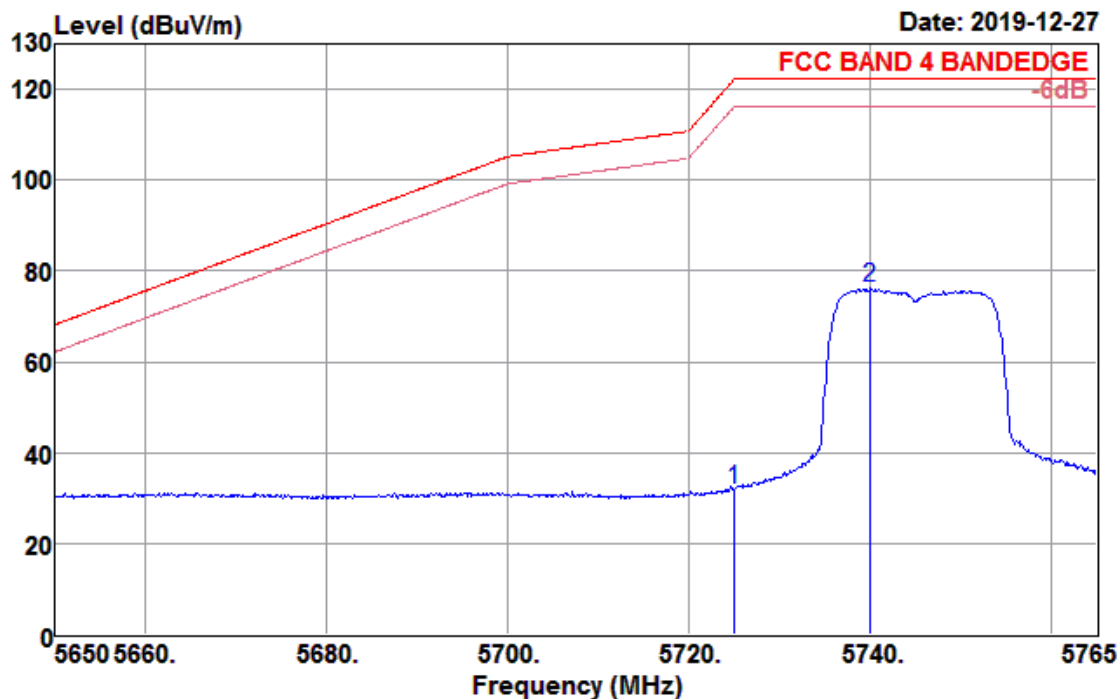
Data: 34



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	48.33	32.28	6.04	35.93	50.72	122.20	-71.48	Peak
5739.930	84.28	32.29	6.05	35.96	86.66	122.20	-35.54	Peak

Test Mode :	802.11 n HT 20 CH149 5745MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.65GHz~5.765GHz	Polarization :	Horizontal

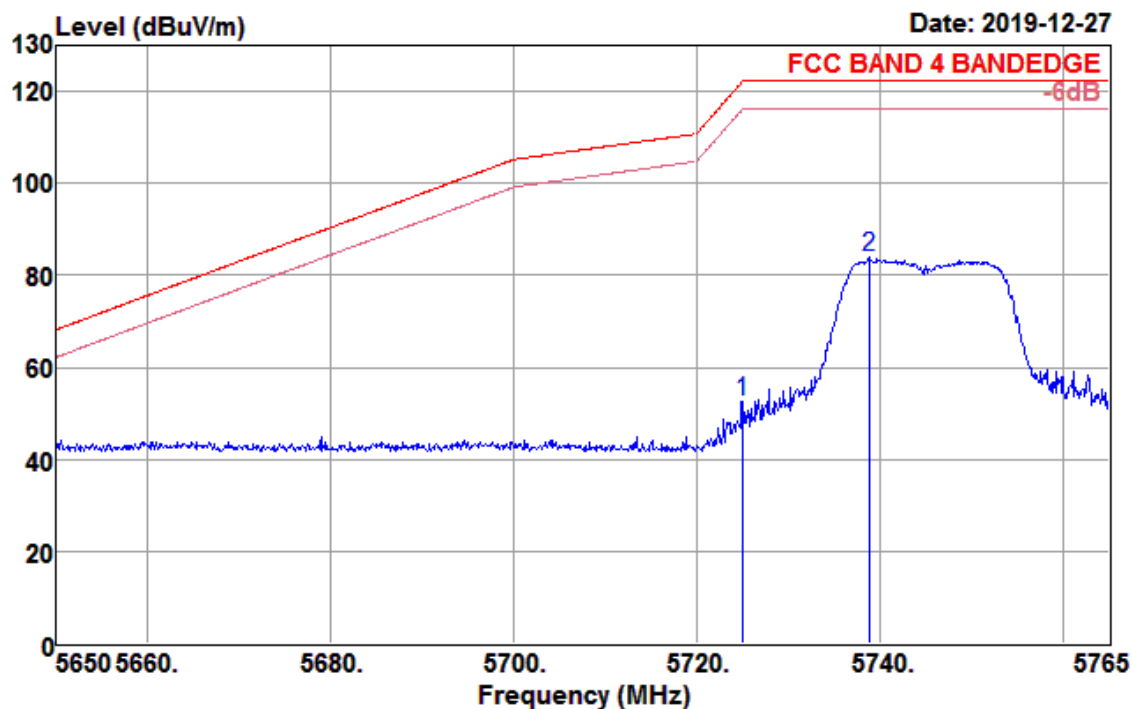
Data: 35



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	29.58	32.28	6.04	35.93	31.97	122.20	-90.23	Average
5740.045	73.83	32.29	6.05	35.96	76.21	122.20	-45.99	Average

Test Mode :	802.11 n HT 20 CH149 5745MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.65GHz~5.765GHz	Polarization :	Vertical

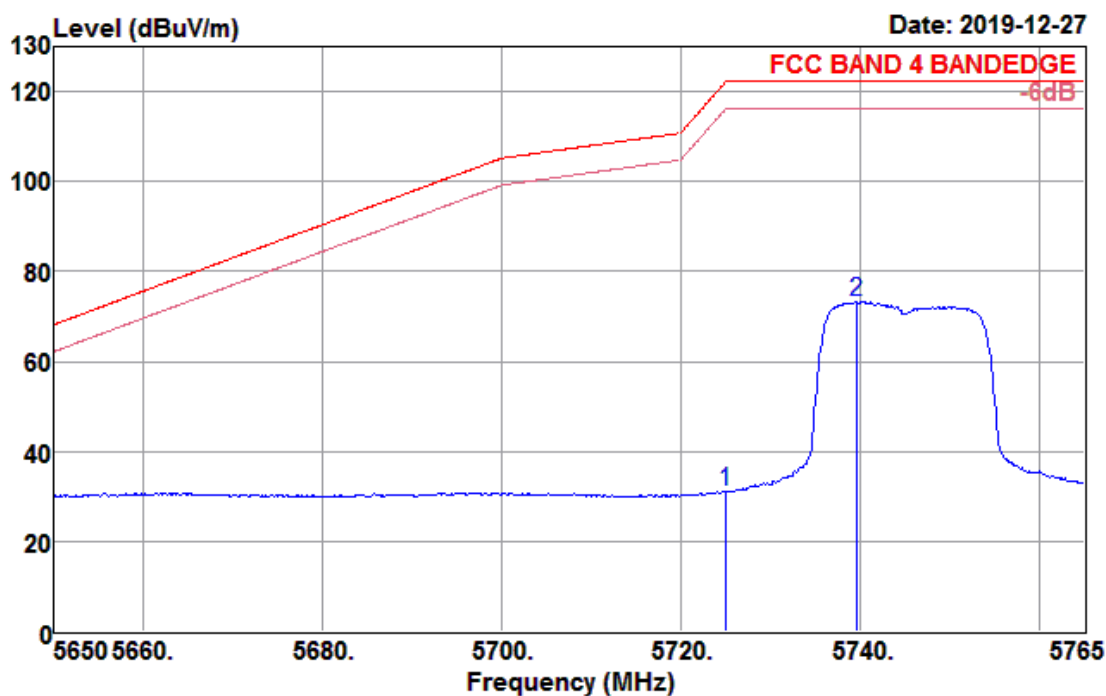
Data: 31



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	49.99	32.28	6.04	35.93	52.38	122.20	-69.82	Peak
5738.895	81.76	32.29	6.05	35.96	84.14	122.20	-38.06	Peak

Test Mode :	802.11 n HT 20 CH149 5745MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.65GHz~5.765GHz	Polarization :	Vertical

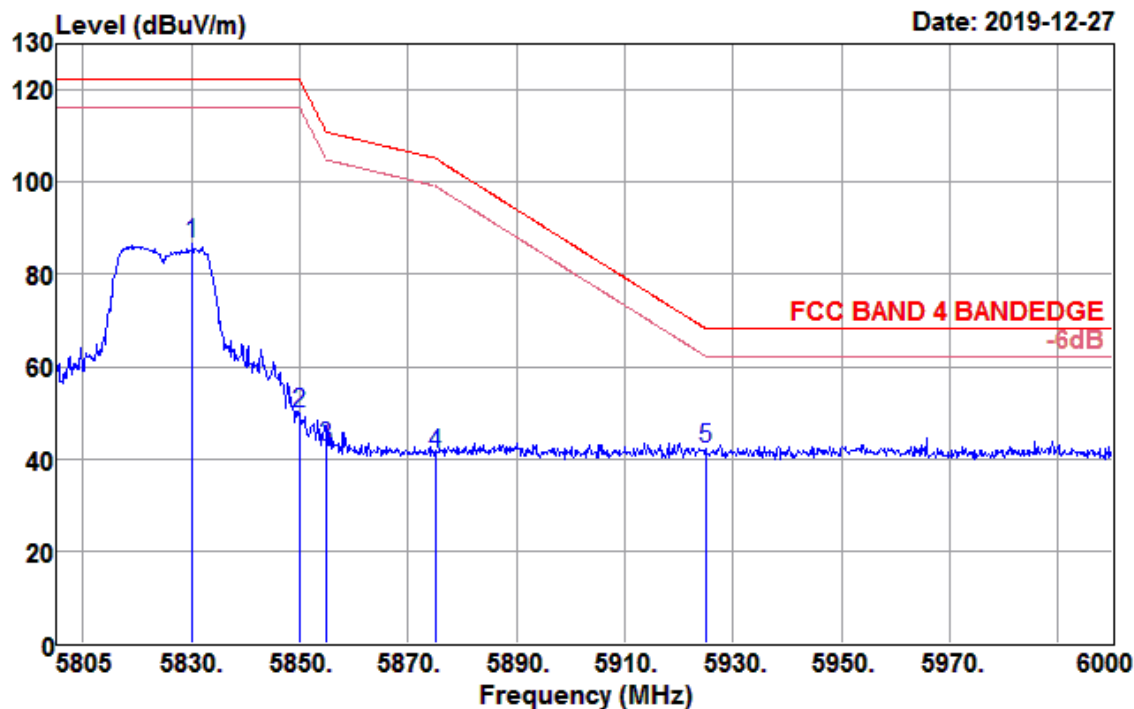
Data: 32



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	28.56	32.28	6.04	35.93	30.95	122.20	-91.25	Average
5739.585	70.90	32.29	6.05	35.96	73.28	122.20	-48.92	Average

Test Mode :	802.11 n HT 20 CH165 5825MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.805GHz~6GHz	Polarization :	Horizontal

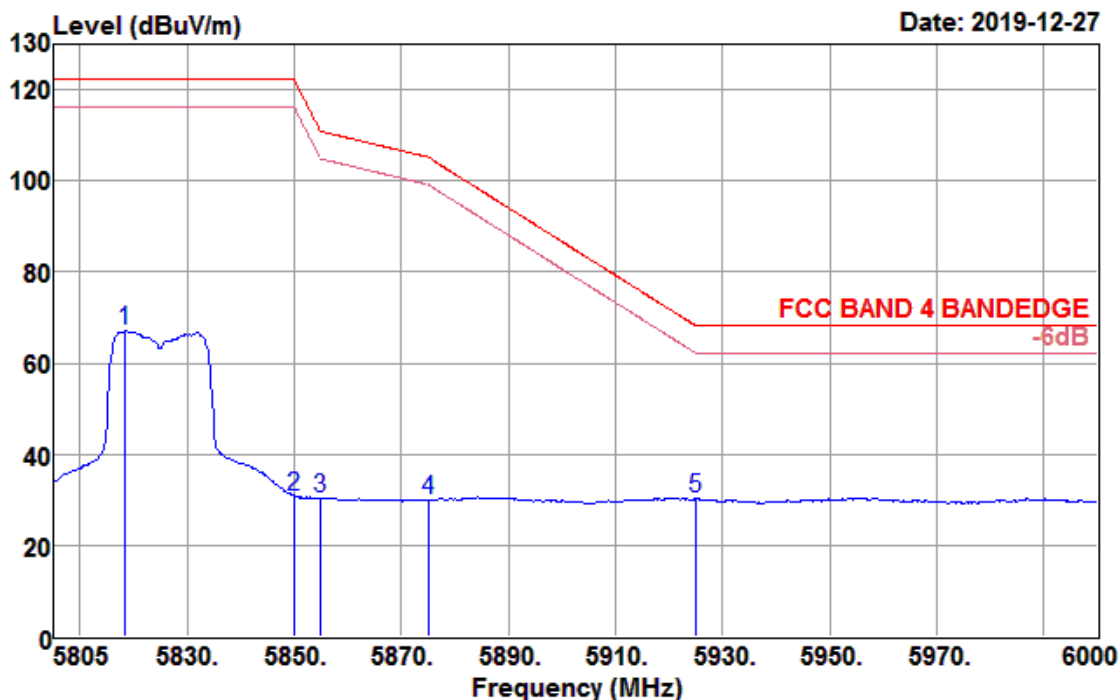
Data: 47



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5830.155	84.31	32.36	6.13	36.11	86.69	122.20	-35.51	Peak
5850.000	47.47	32.38	6.15	36.15	49.85	122.20	-72.35	Peak
5855.000	40.33	32.38	6.16	36.15	42.72	110.80	-68.08	Peak
5875.000	38.76	32.40	6.18	36.19	41.15	105.20	-64.05	Peak
5925.000	39.82	32.44	6.22	36.27	42.21	68.20	-25.99	Peak

Test Mode :	802.11 n HT 20 CH165 5825MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.805GHz~6GHz	Polarization :	Horizontal

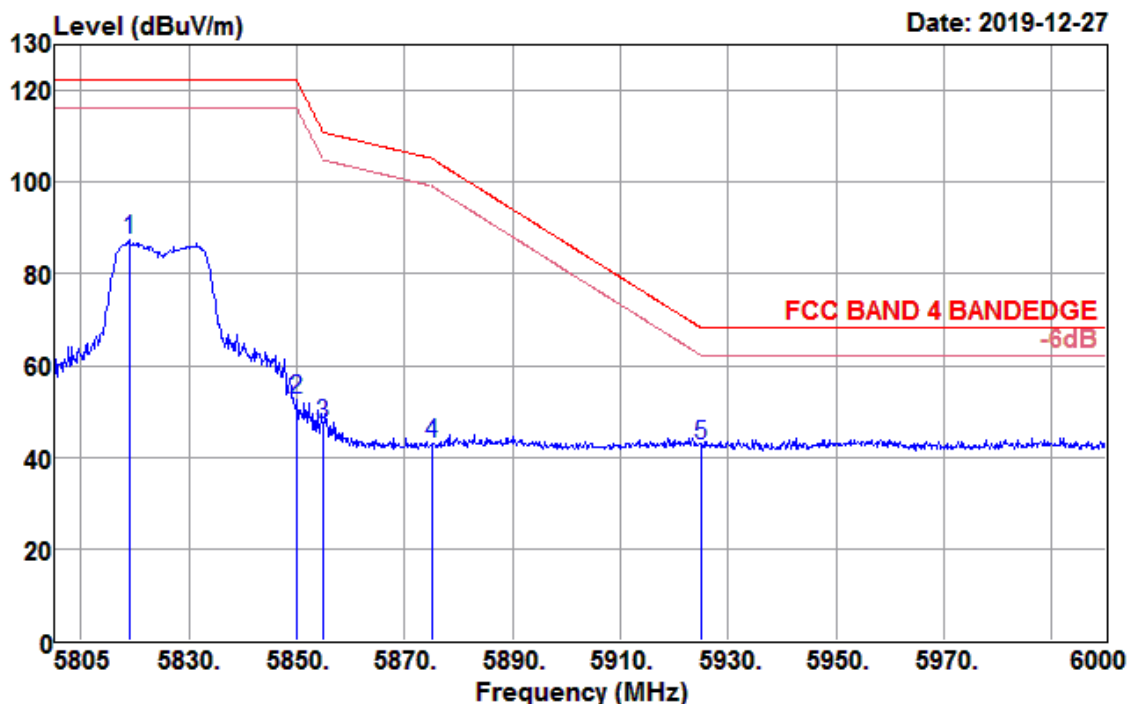
Data: 48



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5818.455	64.64	32.35	6.12	36.09	67.02	122.20	-55.18	Average
5850.000	28.49	32.38	6.15	36.15	30.87	122.20	-91.33	Average
5855.000	28.05	32.38	6.16	36.15	30.44	110.80	-80.36	Average
5875.000	27.53	32.40	6.18	36.19	29.92	105.20	-75.28	Average
5925.000	27.77	32.44	6.22	36.27	30.16	68.20	-38.04	Average

Test Mode :	802.11 n HT 20 CH165 5825MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.805GHz~6GHz	Polarization :	Vertical

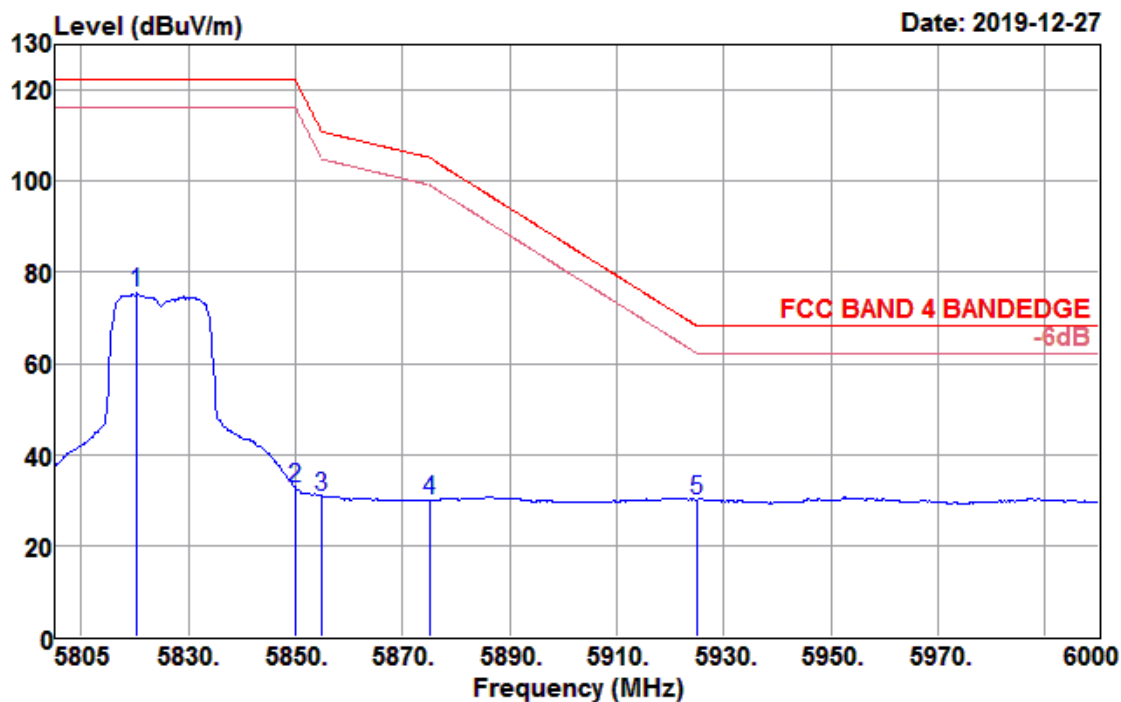
Data: 50



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5818.845	85.21	32.36	6.12	36.09	87.60	122.20	-34.60	Peak
5850.000	50.03	32.38	6.15	36.15	52.41	122.20	-69.79	Peak
5855.000	44.66	32.38	6.16	36.15	47.05	110.80	-63.75	Peak
5875.000	40.74	32.40	6.18	36.19	43.13	105.20	-62.07	Peak
5925.000	40.31	32.44	6.22	36.27	42.70	68.20	-25.50	Peak

Test Mode :	802.11 n HT 20 CH165 5825MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.805GHz~6GHz	Polarization :	Vertical

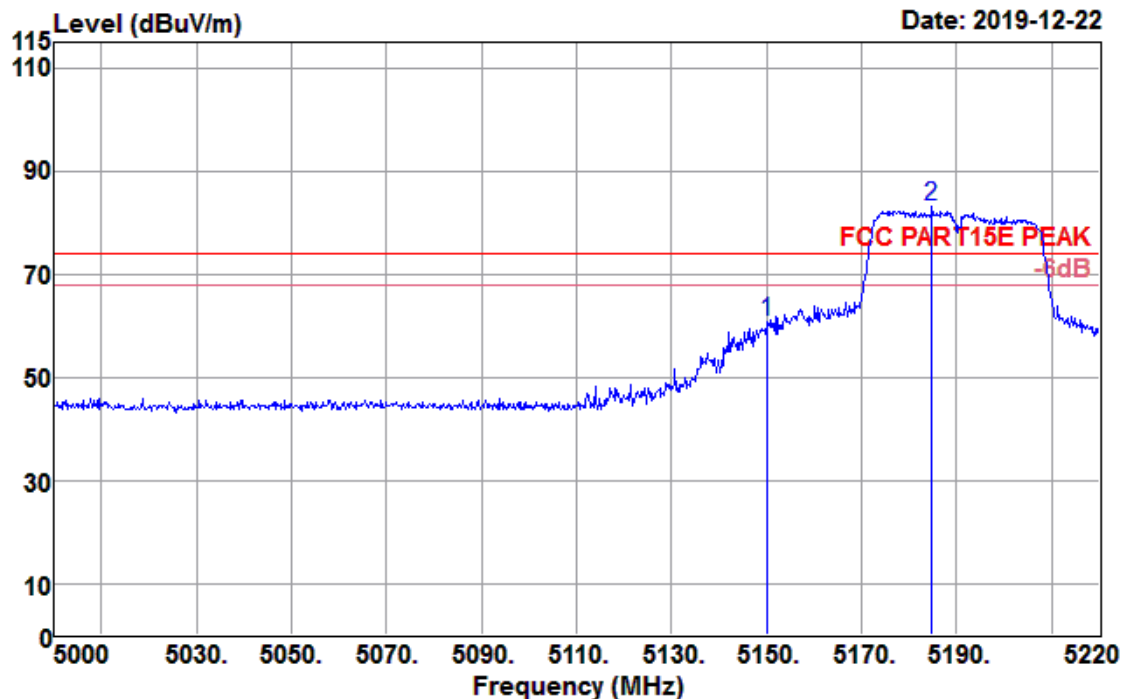
Data: 51



Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV/m	Limit level dBUV/m	Over limit dB	Remark
5820.405	72.99	32.36	6.12	36.09	75.38	122.20	-46.82	Average
5850.000	30.18	32.38	6.15	36.15	32.56	122.20	-89.64	Average
5855.000	28.49	32.38	6.16	36.15	30.88	110.80	-79.92	Average
5875.000	27.58	32.40	6.18	36.19	29.97	105.20	-75.23	Average
5925.000	27.66	32.44	6.22	36.27	30.05	68.20	-38.15	Average

Test Mode :	802.11n HT40 CH38 5190MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.0GHz~5.22GHz	Polarization :	Horizontal

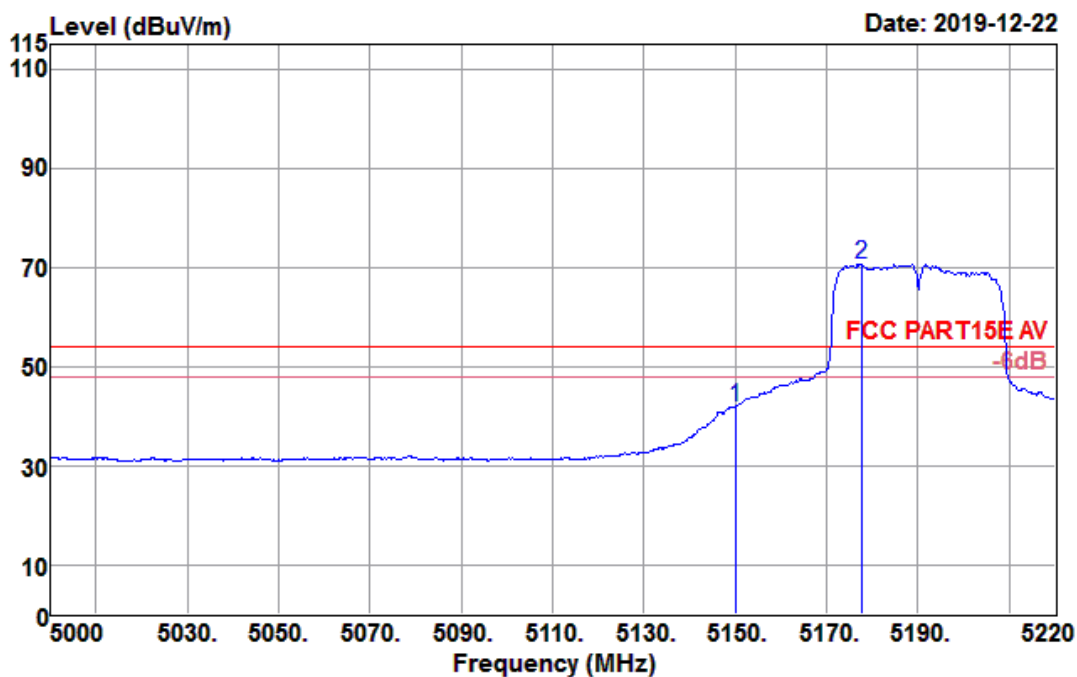
Data: 295



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	58.26	31.82	5.65	34.96	60.77	74.00	-13.23	Peak
5184.800	80.59	31.85	5.69	35.01	83.12	74.00	9.12	Peak

Test Mode :	802.11n HT40 CH38 5190MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.0GHz~5.22GHz	Polarization :	Horizontal

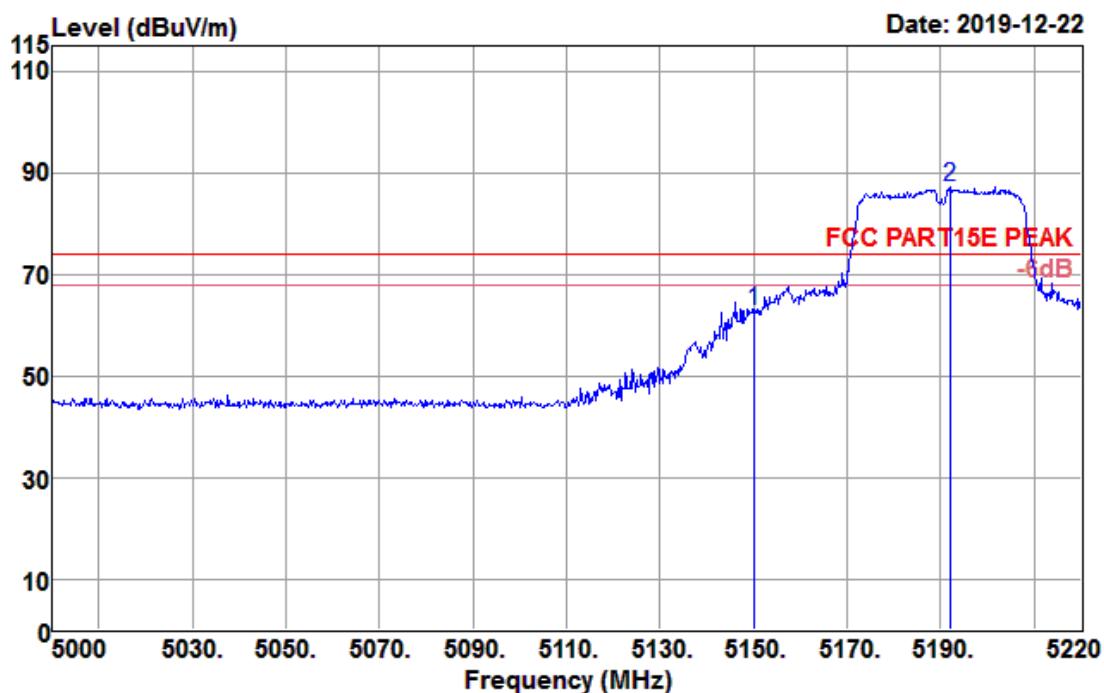
Data: 296



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	39.16	31.82	5.65	34.96	41.67	54.00	-12.33	Average
5177.540	68.17	31.84	5.68	35.00	70.69	54.00	16.69	Average

Test Mode :	802.11n HT40 CH38 5190MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.0GHz~5.22GHz	Polarization :	Vertical

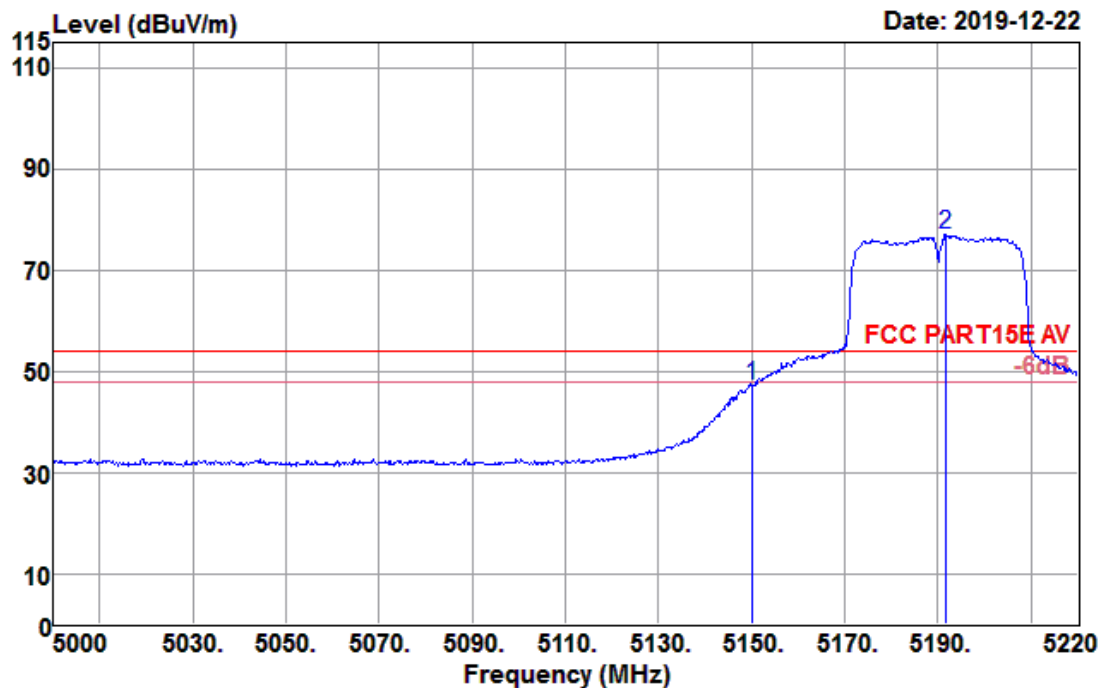
Data: 292



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	60.31	31.82	5.65	34.96	62.82	74.00	-11.18	Peak
5192.060	84.70	31.85	5.69	35.03	87.21	74.00	13.21	Peak

Test Mode :	802.11n HT40 CH38 5190MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.0GHz~5.22GHz	Polarization :	Vertical

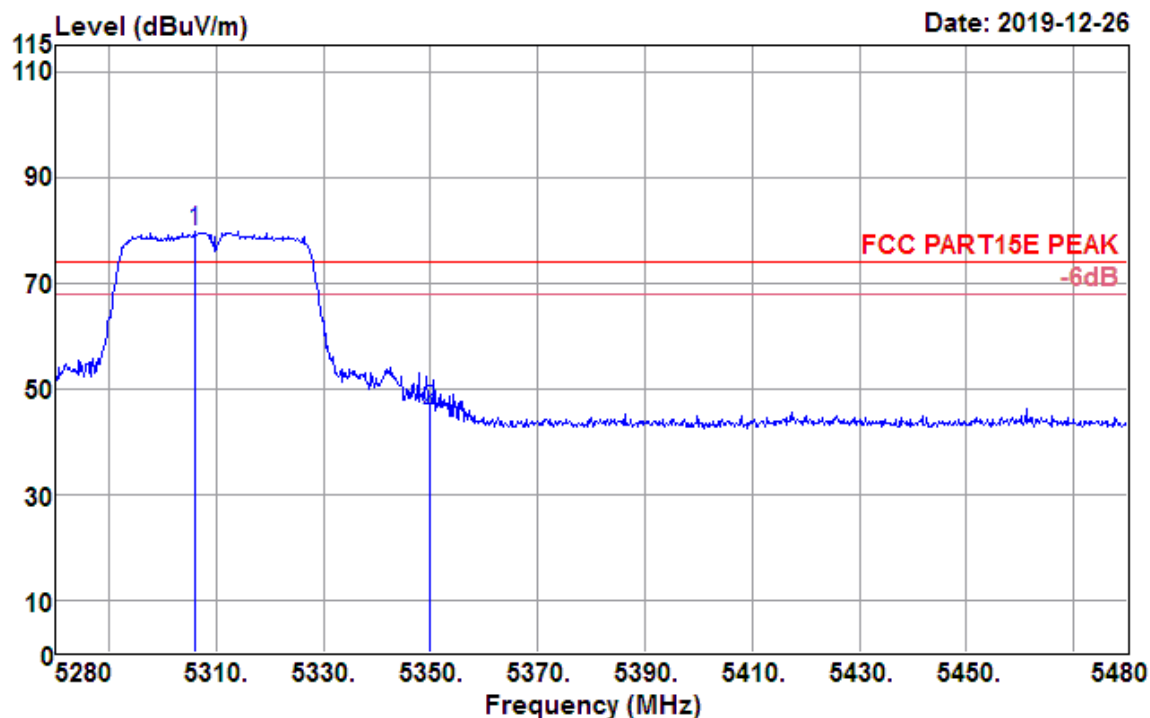
Data: 293



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	44.69	31.82	5.65	34.96	47.20	54.00	-6.80	Average
5191.620	74.55	31.85	5.69	35.03	77.06	54.00	23.06	Average

Test Mode :	802.11n HT40 CH62 5310MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.28GHz~5.48GHz	Polarization :	Horizontal

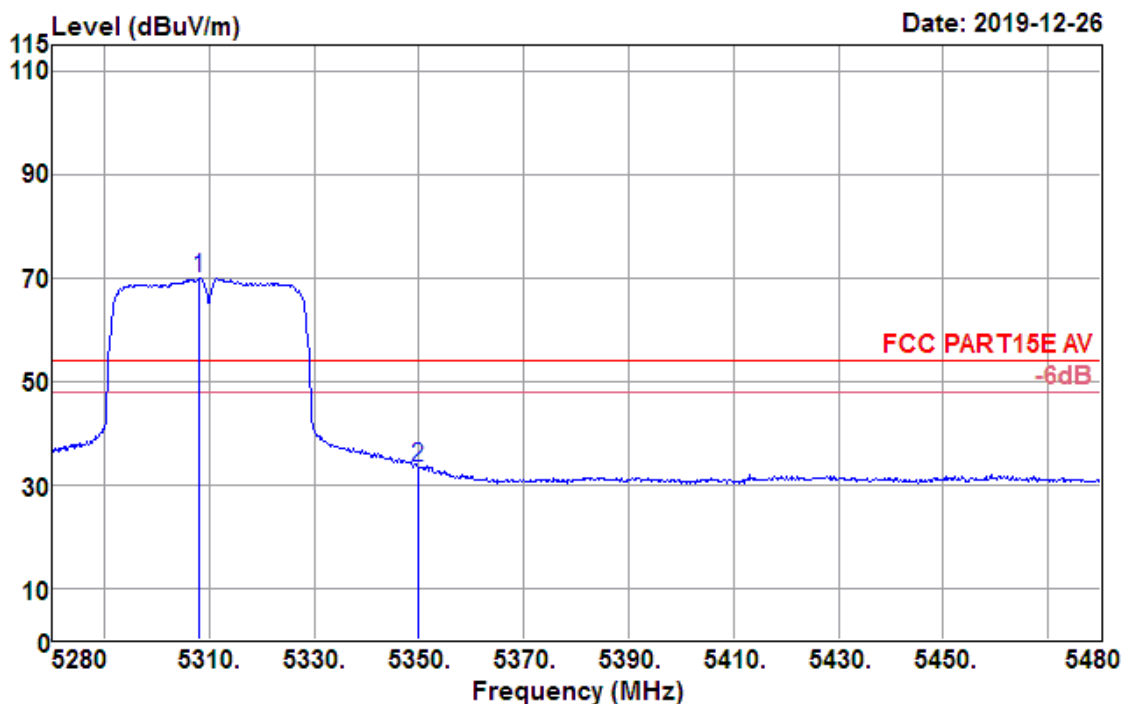
Data: 106



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5306.000	77.32	31.94	5.71	35.22	79.75	74.00	5.75	Peak
5350.000	43.32	31.98	5.71	35.30	45.71	74.00	-28.29	Peak

Test Mode :	802.11n HT40 CH62 5310MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.28GHz~5.48GHz	Polarization :	Horizontal

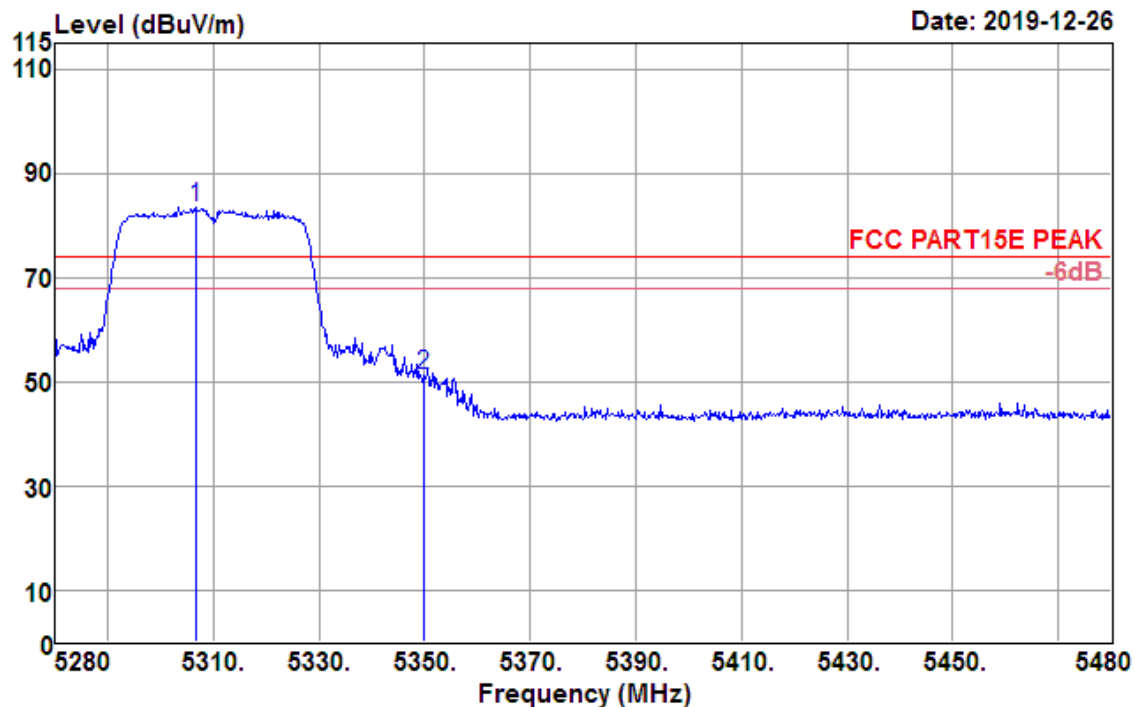
Data: 107



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5308.200	67.49	31.95	5.71	35.22	69.93	54.00	15.93	Average
5350.000	30.87	31.98	5.71	35.30	33.26	54.00	-20.74	Average

Test Mode :	802.11n HT40 CH62 5310MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.28GHz~5.48GHz	Polarization :	Vertical

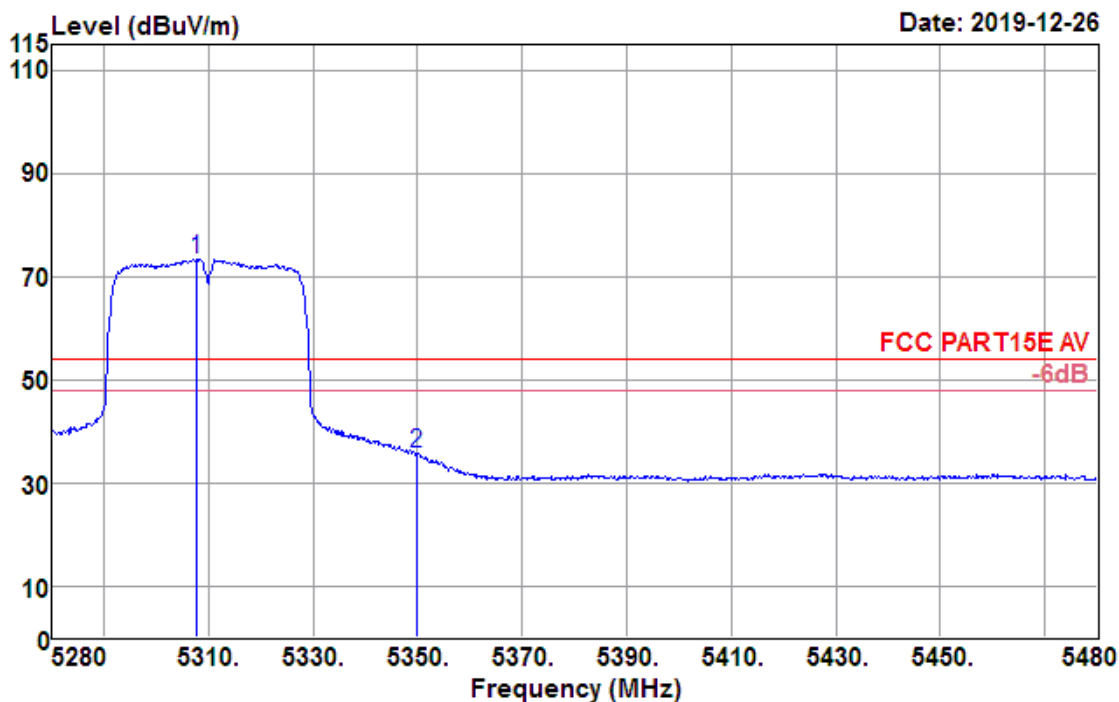
Data: 103



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5306.800	81.00	31.95	5.71	35.22	83.44	74.00	9.44	Peak
5350.000	48.82	31.98	5.71	35.30	51.21	74.00	-22.79	Peak

Test Mode :	802.11n HT40 CH62 5310MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.28GHz~5.48GHz	Polarization :	Vertical

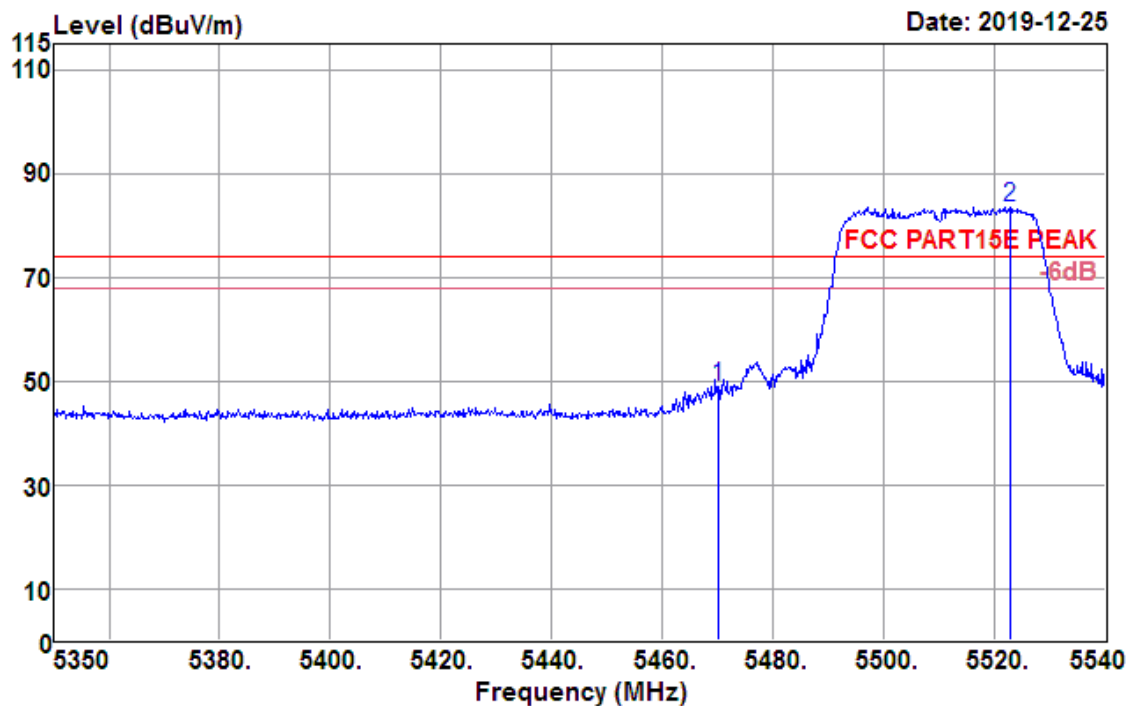
Data: 104



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5307.800	70.99	31.95	5.71	35.22	73.43	54.00	19.43	Average
5350.000	33.15	31.98	5.71	35.30	35.54	54.00	-18.46	Average

Test Mode :	802.11n HT40 CH102 5510MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.35GHz~5.54GHz	Polarization :	Horizontal

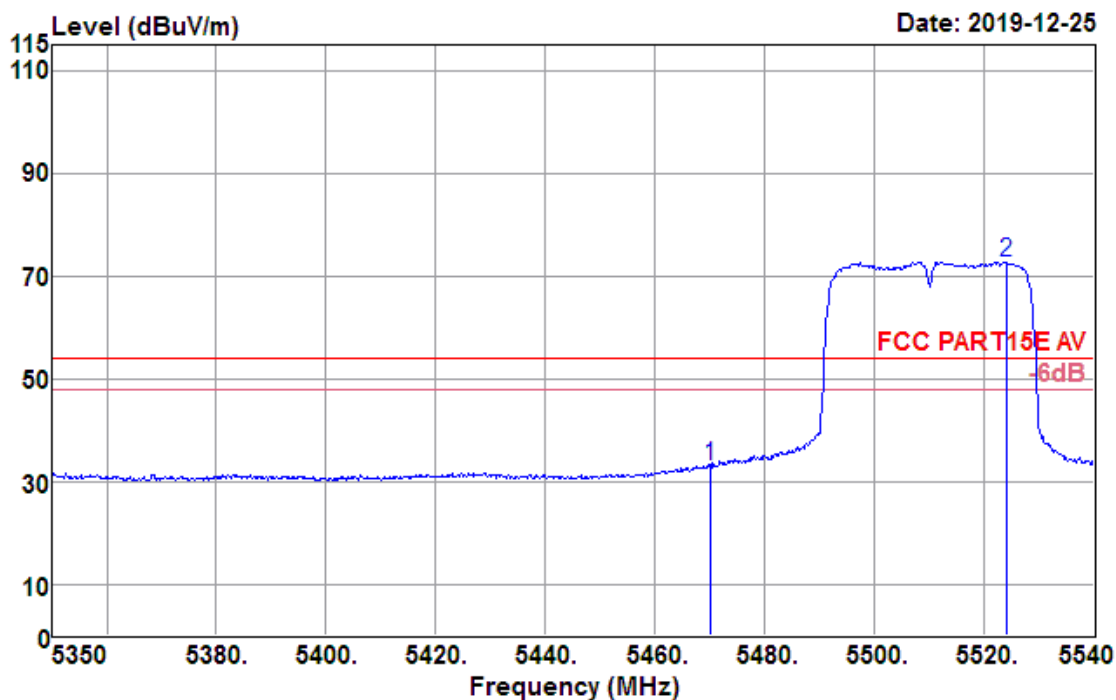
Data: 47



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	46.43	32.08	5.80	35.50	48.81	74.00	-25.19	Peak
5522.710	81.09	32.12	5.85	35.59	83.47	74.00	9.47	Peak

Test Mode :	802.11n HT40 CH102 5510MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.35GHz~5.54GHz	Polarization :	Horizontal

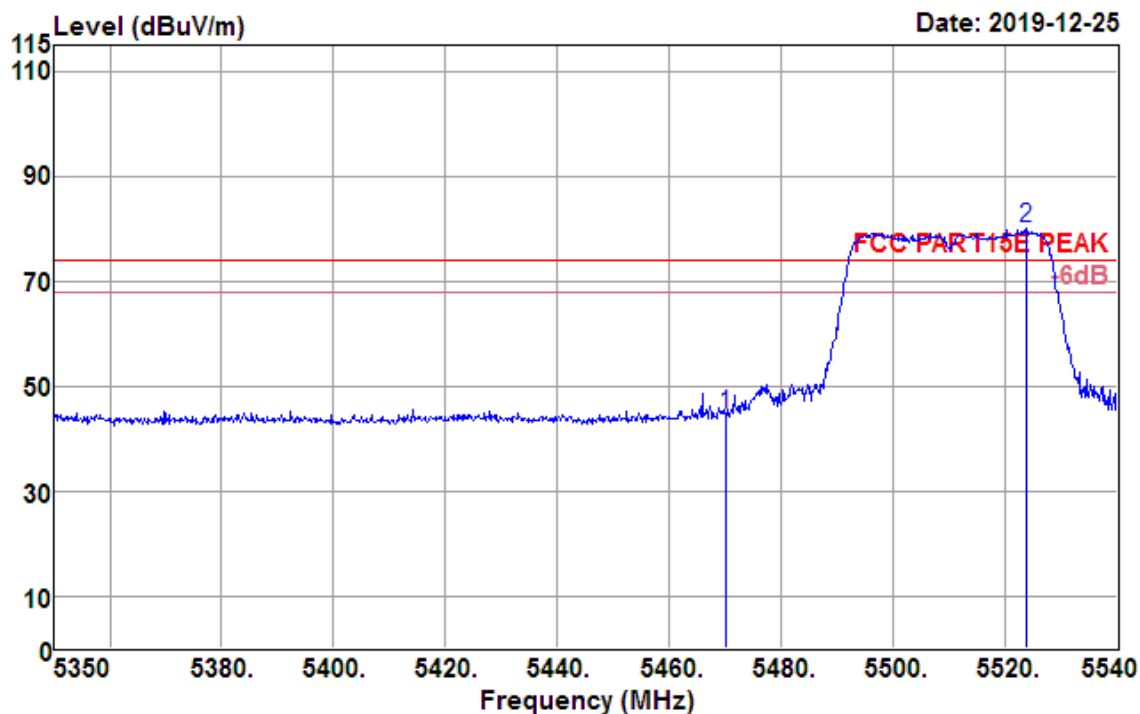
Data: 48



Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV/m	Limit level dBUV/m	Over limit dB	Remark
5470.000	30.46	32.08	5.80	35.50	32.84	54.00	-21.16	Average
5524.040	70.31	32.12	5.86	35.59	72.70	54.00	18.70	Average

Test Mode :	802.11n HT40 CH102 5510MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.35GHz~5.54GHz	Polarization :	Vertical

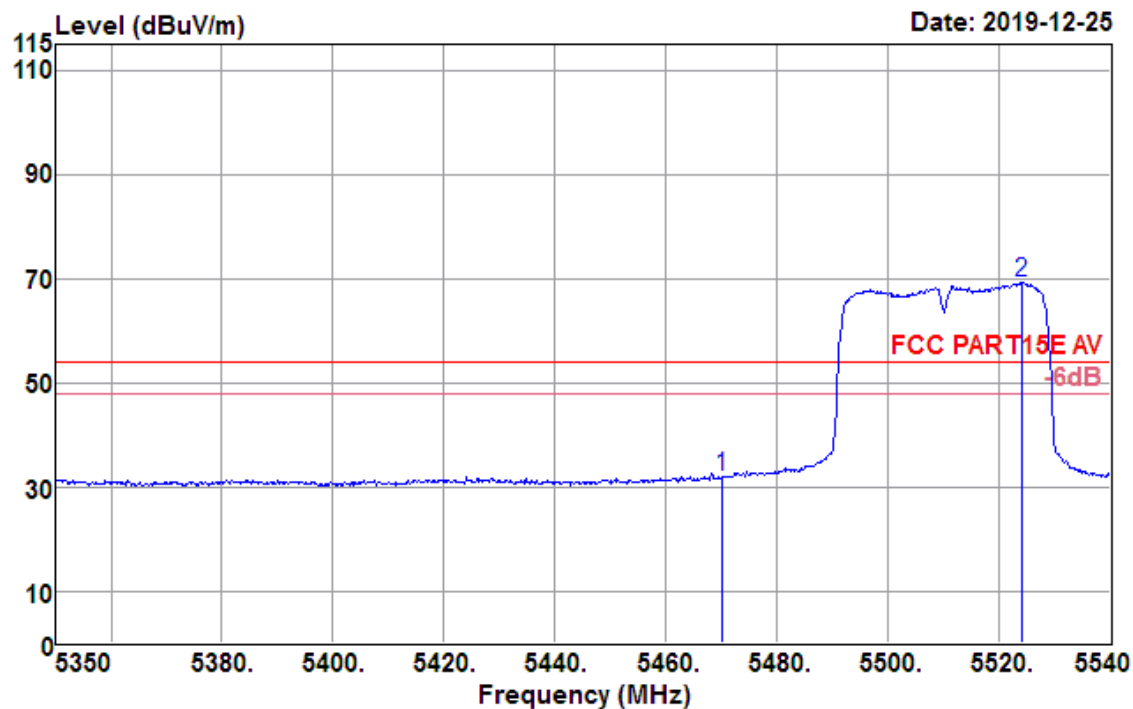
Data: 50



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	42.21	32.08	5.80	35.50	44.59	74.00	-29.41	Peak
5523.660	77.81	32.12	5.86	35.59	80.20	74.00	6.20	Peak

Test Mode :	802.11n HT40 CH102 5510MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.35GHz~5.54GHz	Polarization :	Vertical

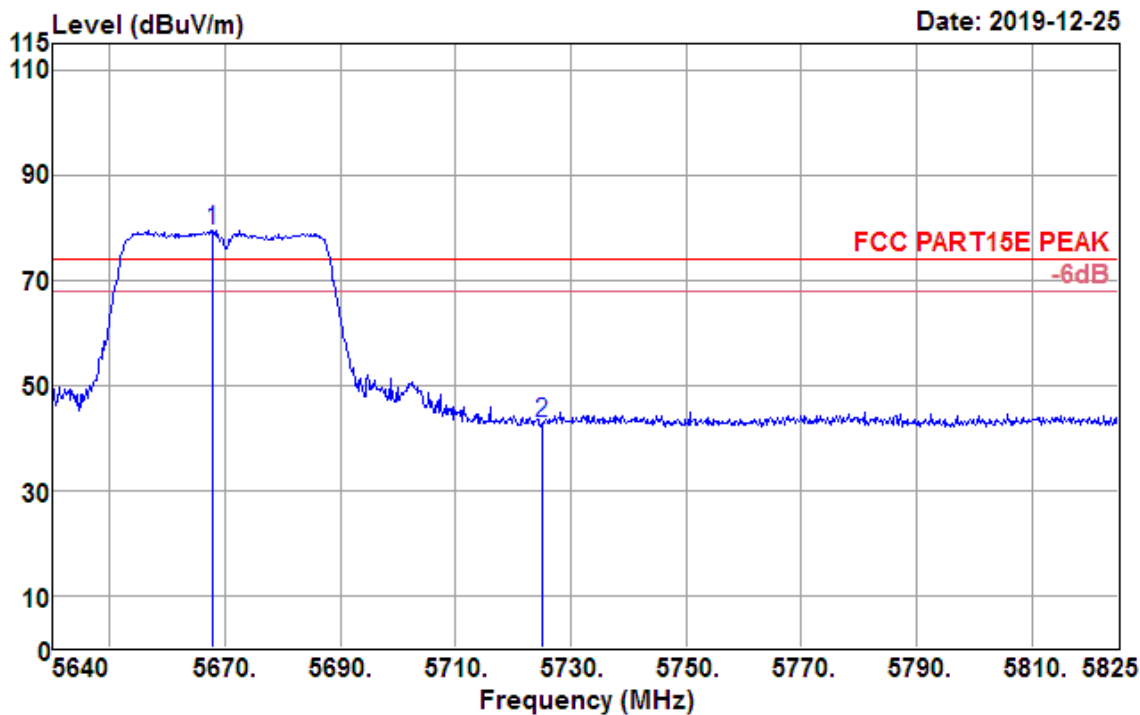
Data: 51



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	29.50	32.08	5.80	35.50	31.88	54.00	-22.12	Average
5524.040	66.85	32.12	5.86	35.59	69.24	54.00	15.24	Average

Test Mode :	802.11n HT40 CH134 5670MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.64GHz~5.825GHz	Polarization :	Horizontal

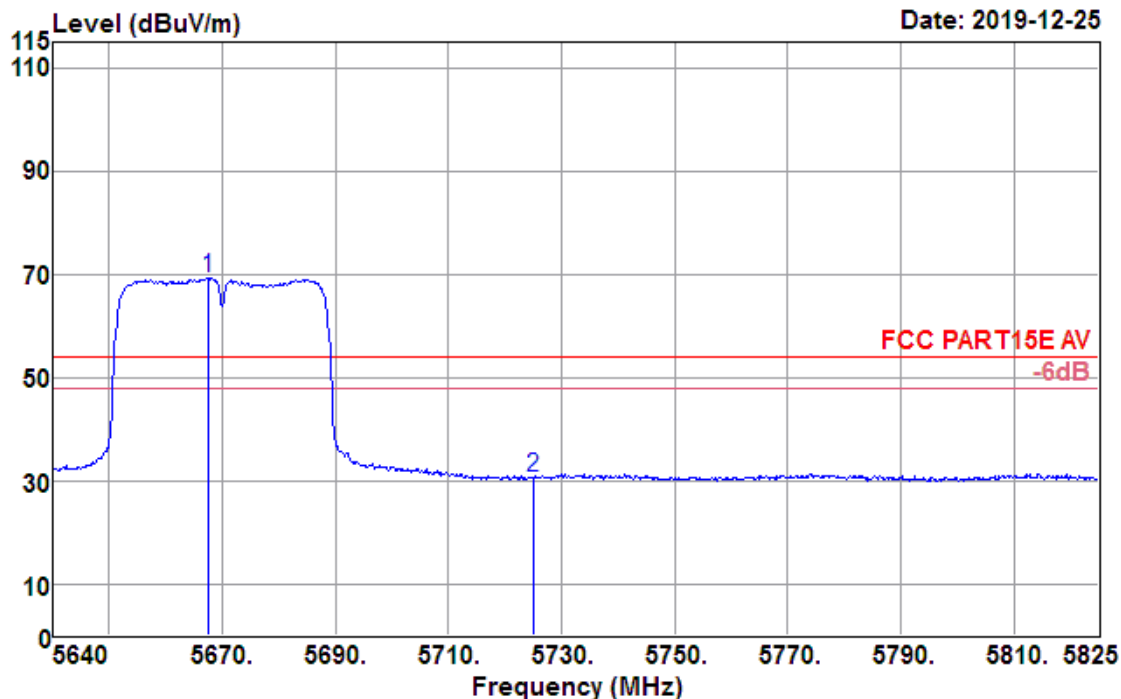
Data: 66



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5667.750	77.05	32.23	5.99	35.84	79.43	74.00	5.43	Peak
5725.000	40.22	32.28	6.04	35.93	42.61	74.00	-31.39	Peak

Test Mode :	802.11n HT40 CH134 5670MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.64GHz~5.825GHz	Polarization :	Horizontal

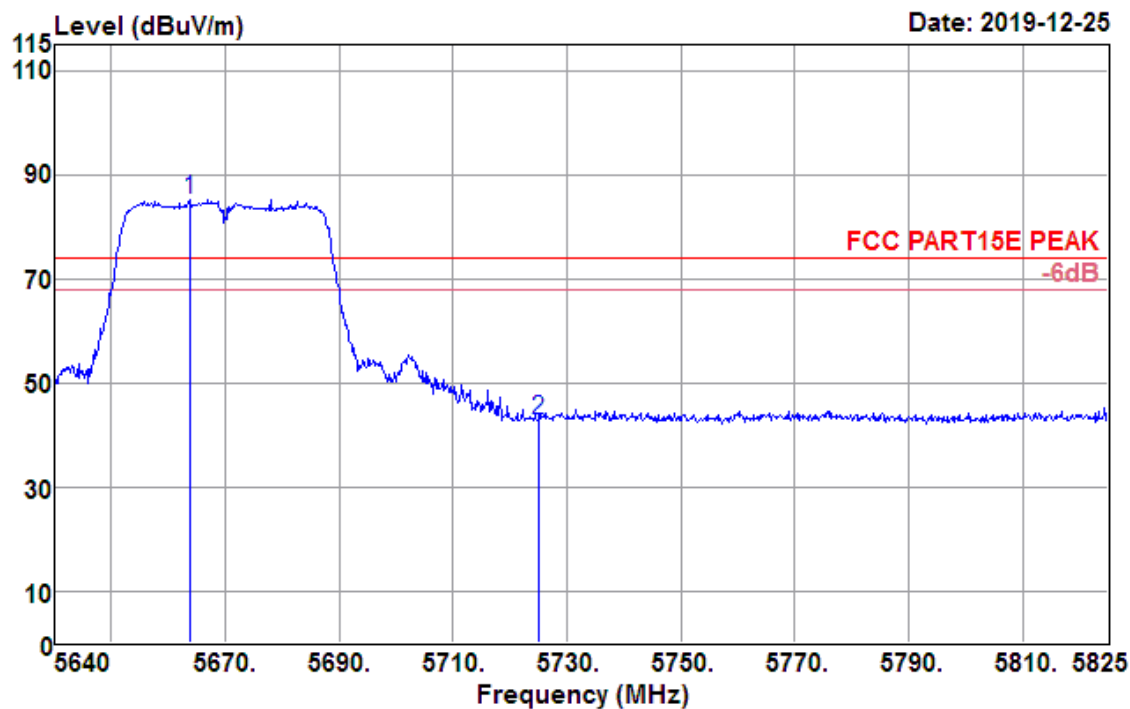
Data: 67



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5667.565	66.80	32.23	5.99	35.83	69.19	54.00	15.19	Average
5725.000	28.03	32.28	6.04	35.93	30.42	54.00	-23.58	Average

Test Mode :	802.11n HT40 CH134 5670MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.64GHz~5.825GHz	Polarization :	Vertical

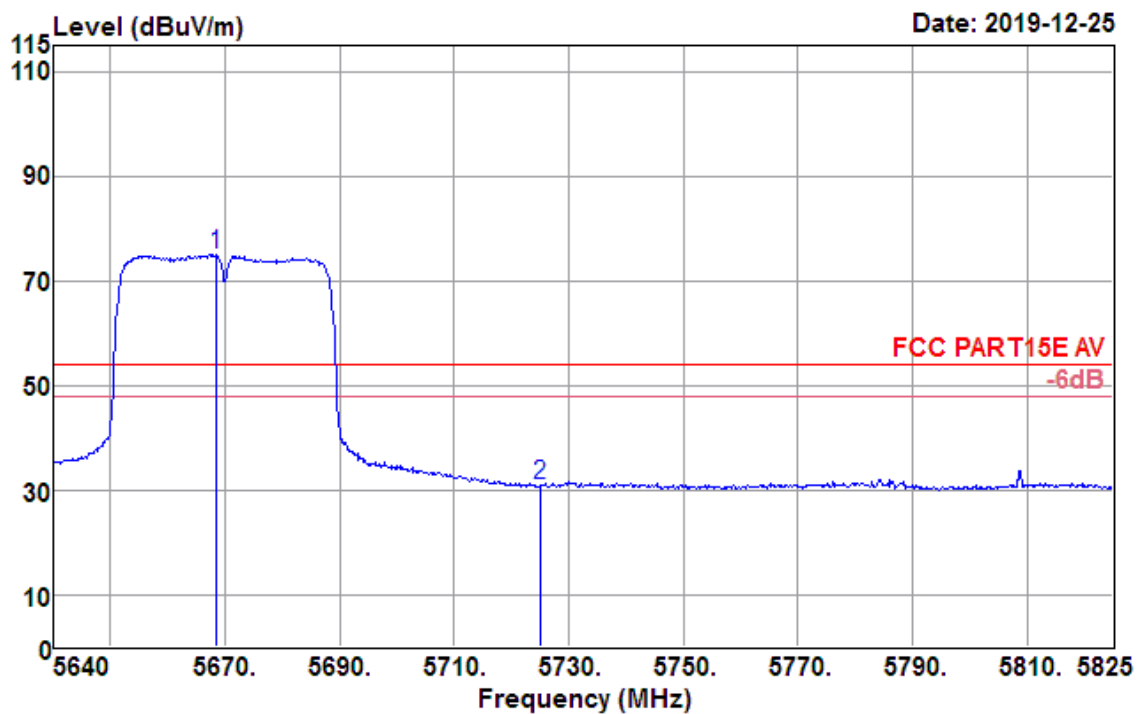
Data: 63



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5663.680	82.83	32.23	5.99	35.83	85.22	74.00	11.22	Peak
5725.000	40.29	32.28	6.04	35.93	42.68	74.00	-31.32	Peak

Test Mode :	802.11n HT40 CH134 5670MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.64GHz~5.825GHz	Polarization :	Vertical

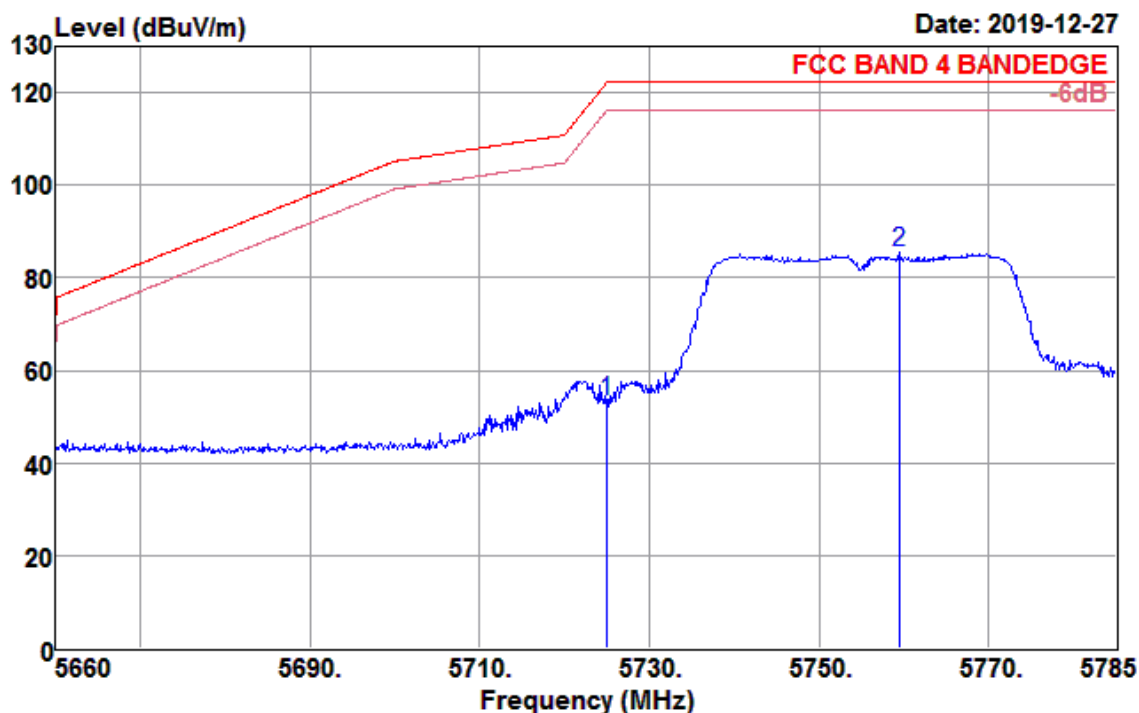
Data: 64



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5668.490	72.55	32.23	5.99	35.84	74.93	54.00	20.93	Average
5725.000	28.45	32.28	6.04	35.93	30.84	54.00	-23.16	Average

Test Mode :	802.11n HT40 CH151 5755MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.65GHz~5.785GHz	Polarization :	Horizontal

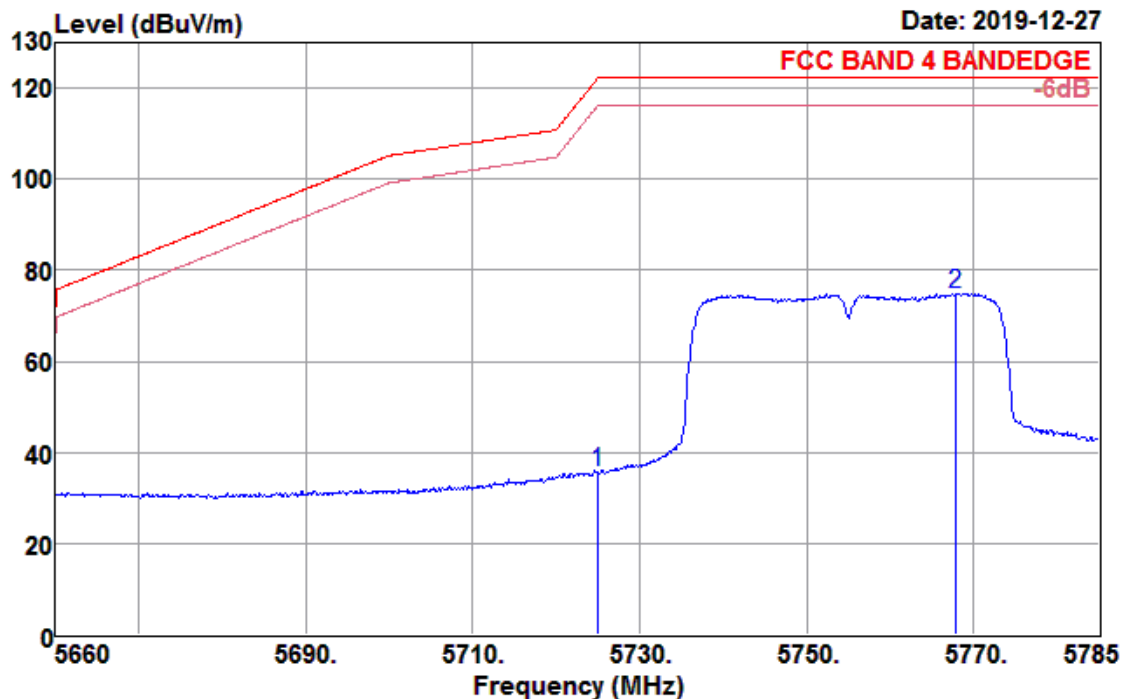
Data: 57



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	50.90	32.28	6.04	35.93	53.29	122.20	-68.91	Peak
5759.500	83.18	32.31	6.07	35.99	85.57	122.20	-36.63	Peak

Test Mode :	802.11n HT40 CH151 5755MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.65GHz~5.785GHz	Polarization :	Horizontal

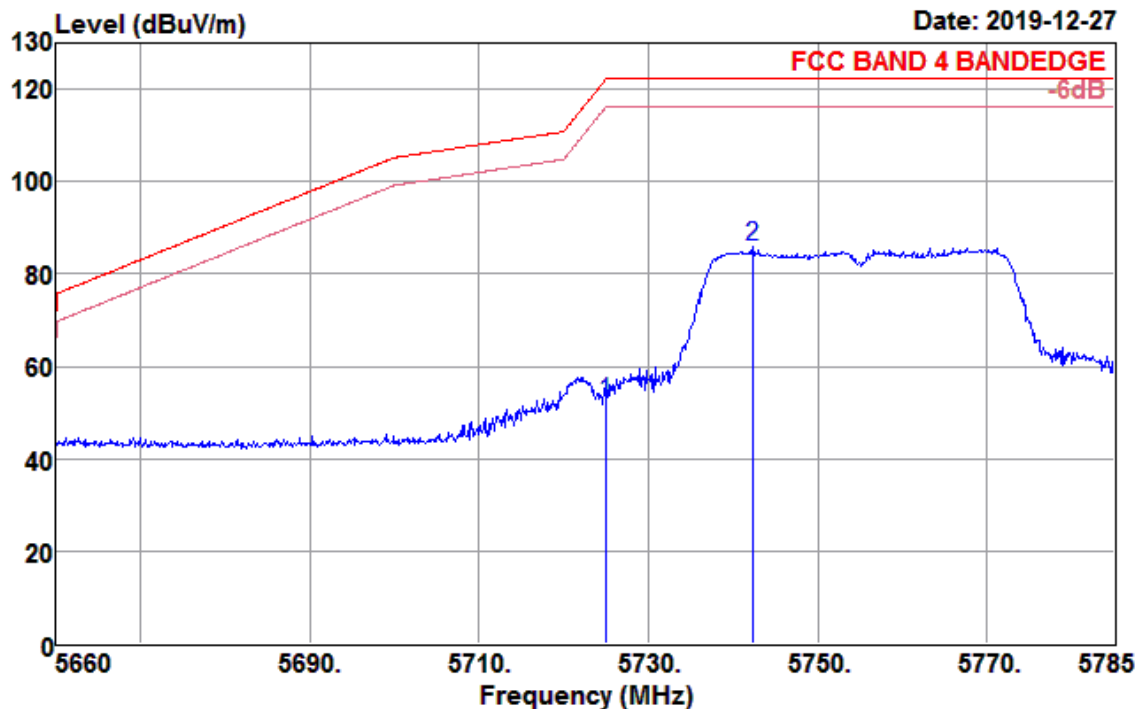
Data: 58



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	33.21	32.28	6.04	35.93	35.60	122.20	-86.60	Average
5767.875	72.44	32.31	6.07	36.01	74.81	122.20	-47.39	Average

Test Mode :	802.11n HT40 CH151 5755MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.65GHz~5.785GHz	Polarization :	Vertical

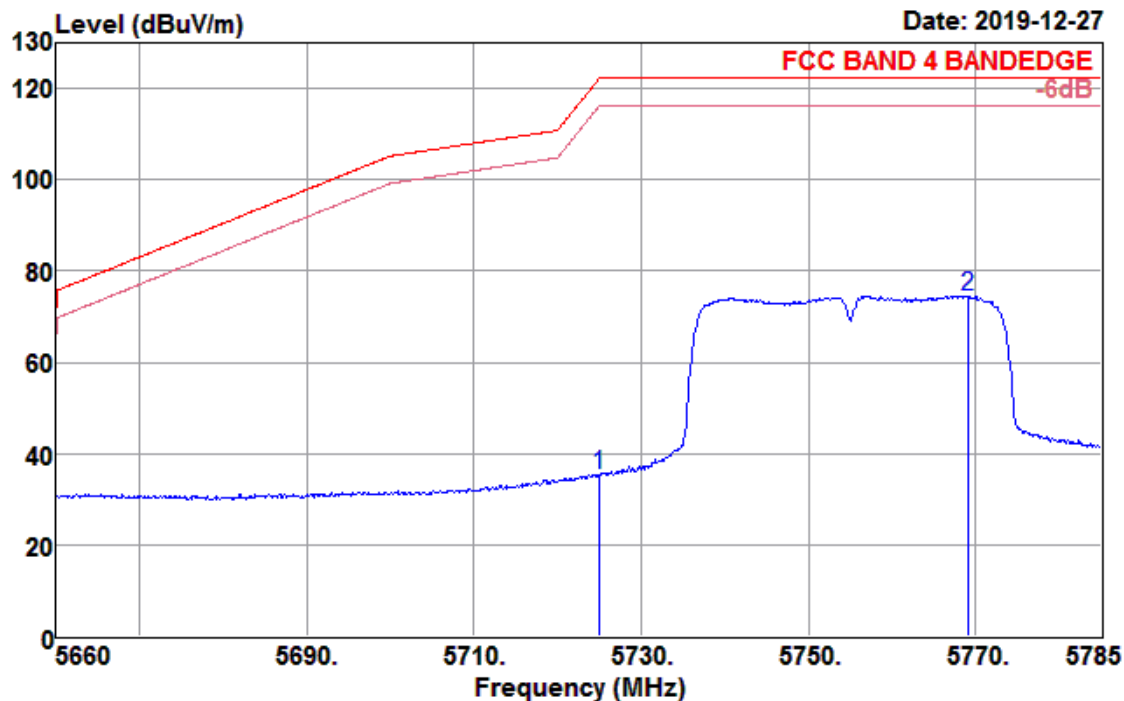
Data: 60



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	49.92	32.28	6.04	35.93	52.31	122.20	-69.89	Peak
5742.250	83.52	32.29	6.05	35.96	85.90	122.20	-36.30	Peak

Test Mode :	802.11n HT40 CH151 5755MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.65GHz~5.785GHz	Polarization :	Vertical

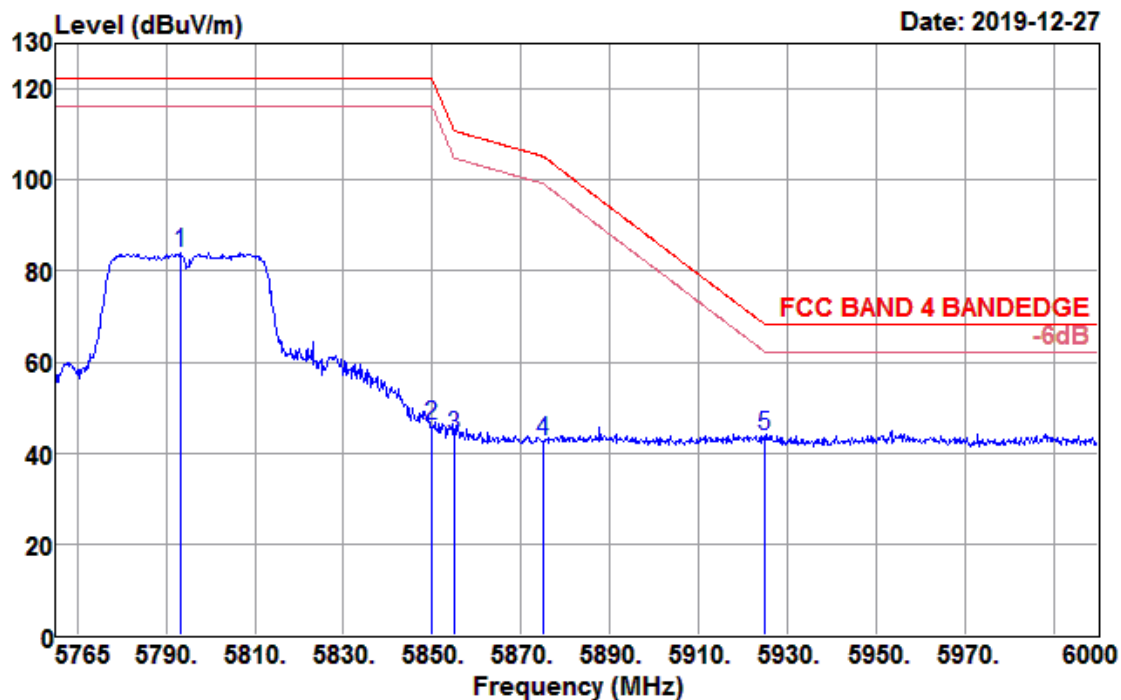
Data: 61



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	32.91	32.28	6.04	35.93	35.30	122.20	-86.90	Average
5769.125	72.16	32.32	6.08	36.01	74.55	122.20	-47.65	Average

Test Mode :	802.11n HT40 CH159 5795MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.765GHz~6GHz	Polarization :	Horizontal

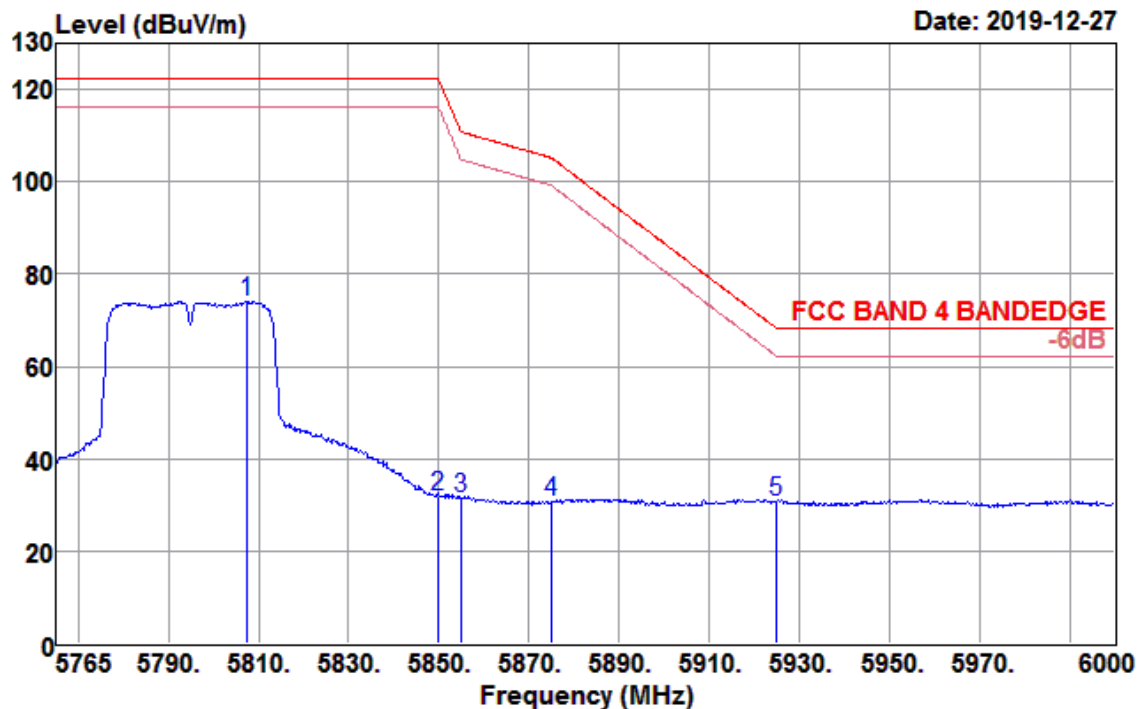
Data: 70



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5793.435	81.71	32.33	6.09	36.05	84.08	122.20	-38.12	Peak
5850.000	43.70	32.38	6.15	36.15	46.08	122.20	-76.12	Peak
5855.000	41.30	32.38	6.16	36.15	43.69	110.80	-67.11	Peak
5875.000	40.01	32.40	6.18	36.19	42.40	105.20	-62.80	Peak
5925.000	41.22	32.44	6.22	36.27	43.61	68.20	-24.59	Peak

Test Mode :	802.11n HT40 CH159 5795MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.765GHz~6GHz	Polarization :	Horizontal

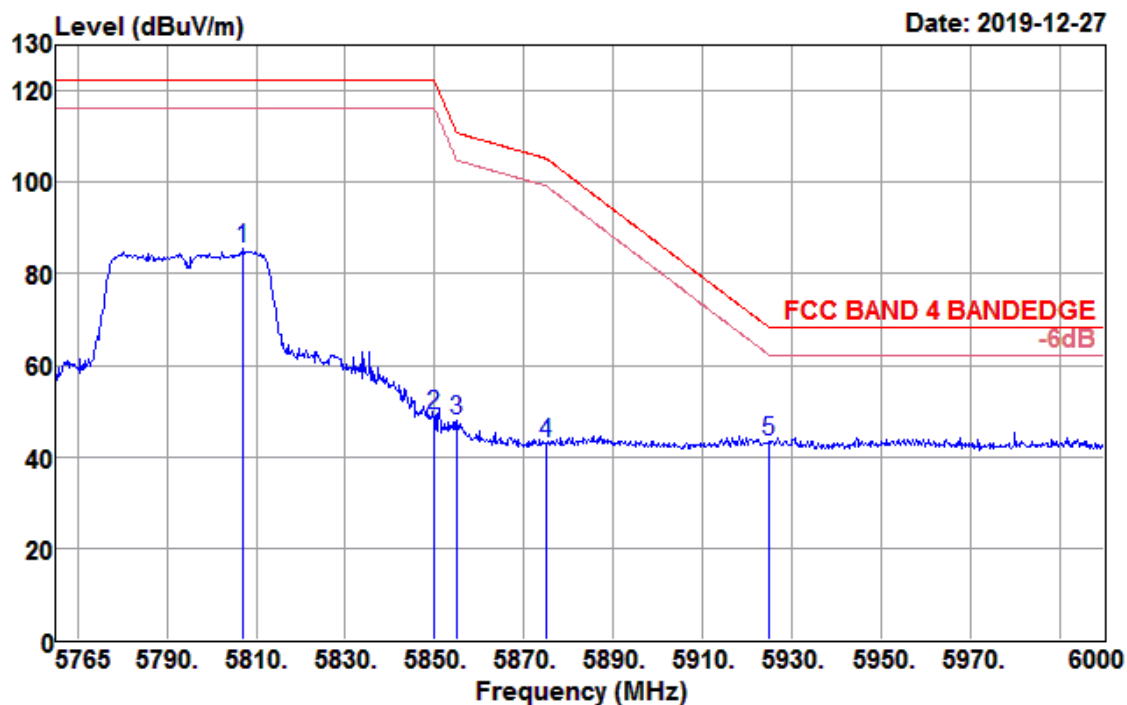
Data: 71



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5807.300	71.65	32.35	6.11	36.07	74.04	122.20	-48.16	Average
5850.000	29.43	32.38	6.15	36.15	31.81	122.20	-90.39	Average
5855.000	29.12	32.38	6.16	36.15	31.51	110.80	-79.29	Average
5875.000	28.15	32.40	6.18	36.19	30.54	105.20	-74.66	Average
5925.000	28.23	32.44	6.22	36.27	30.62	68.20	-37.58	Average

Test Mode :	802.11n HT40 CH159 5795MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.765GHz~6GHz	Polarization :	Vertical

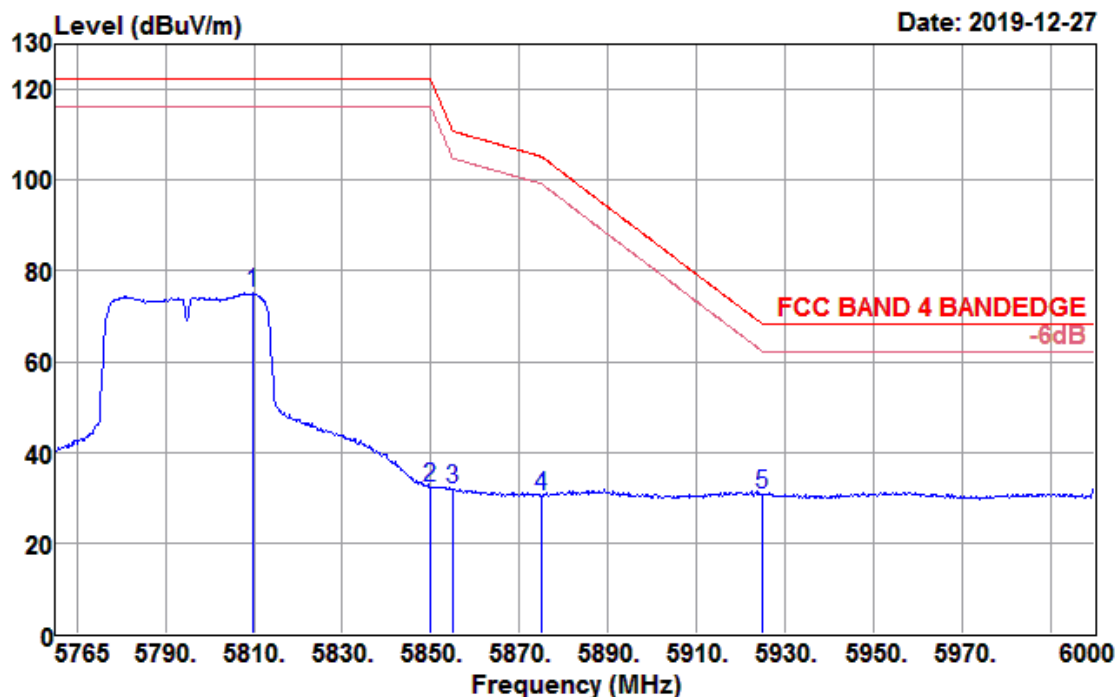
Data: 67



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5807.065	83.04	32.35	6.11	36.07	85.43	122.20	-36.77	Peak
5850.000	46.56	32.38	6.15	36.15	48.94	122.20	-73.26	Peak
5855.000	45.51	32.38	6.16	36.15	47.90	110.80	-62.90	Peak
5875.000	40.69	32.40	6.18	36.19	43.08	105.20	-62.12	Peak
5925.000	40.82	32.44	6.22	36.27	43.21	68.20	-24.99	Peak

Test Mode :	802.11n HT40 CH159 5795MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.765GHz~6GHz	Polarization :	Vertical

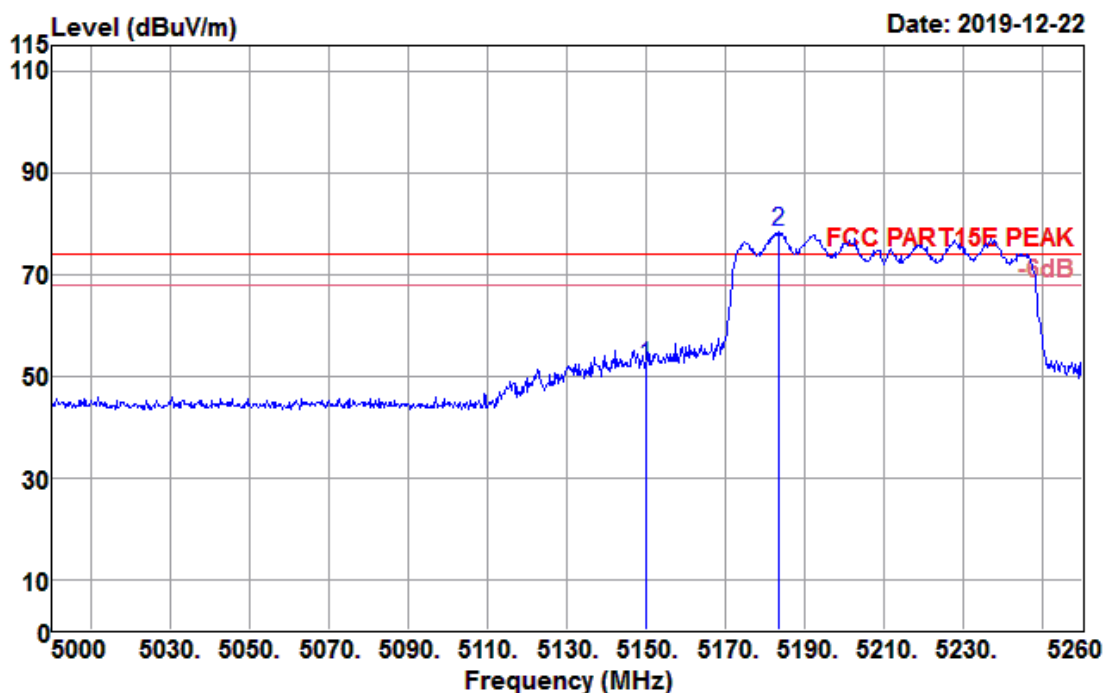
Data: 68



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5809.650	72.62	32.35	6.11	36.08	75.00	122.20	-47.20	Average
5850.000	29.91	32.38	6.15	36.15	32.29	122.20	-89.91	Average
5855.000	29.40	32.38	6.16	36.15	31.79	110.80	-79.01	Average
5875.000	27.99	32.40	6.18	36.19	30.38	105.20	-74.82	Average
5925.000	28.37	32.44	6.22	36.27	30.76	68.20	-37.44	Average

Test Mode :	802.11ac VHT80 CH42 5210MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.0GHz~5.26GHz	Polarization :	Horizontal

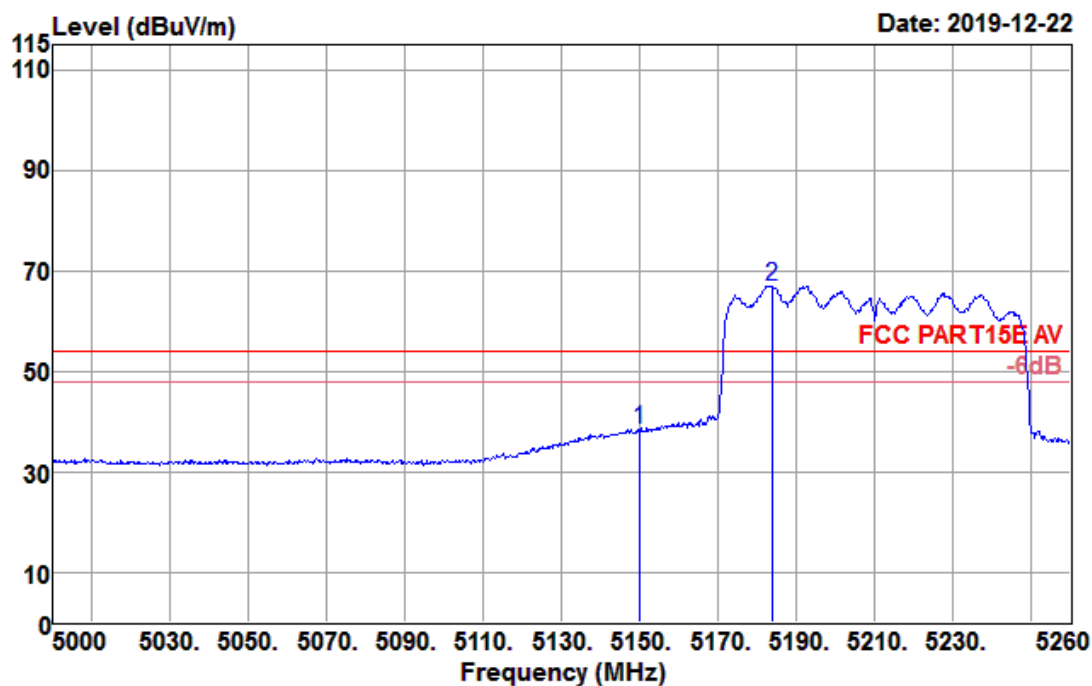
Data: 314



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	49.47	31.82	5.65	34.96	51.98	74.00	-22.02	Peak
5183.300	75.71	31.85	5.68	35.01	78.23	74.00	4.23	Peak

Test Mode :	802.11ac VHT80 CH42 5210MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.0GHz~5.26GHz	Polarization :	Horizontal

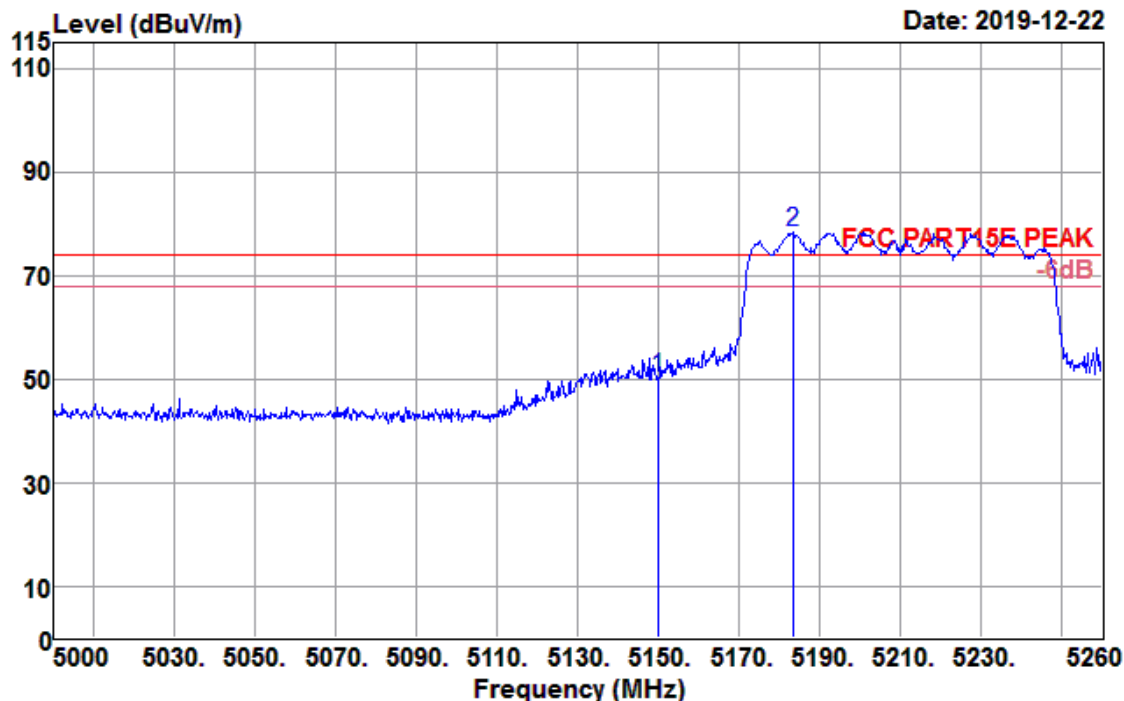
Data: 315



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	35.78	31.82	5.65	34.96	38.29	54.00	-15.71	Average
5184.080	64.46	31.85	5.68	35.01	66.98	54.00	12.98	Average

Test Mode :	802.11ac VHT80 CH42 5210MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.0GHz~5.26GHz	Polarization :	Vertical

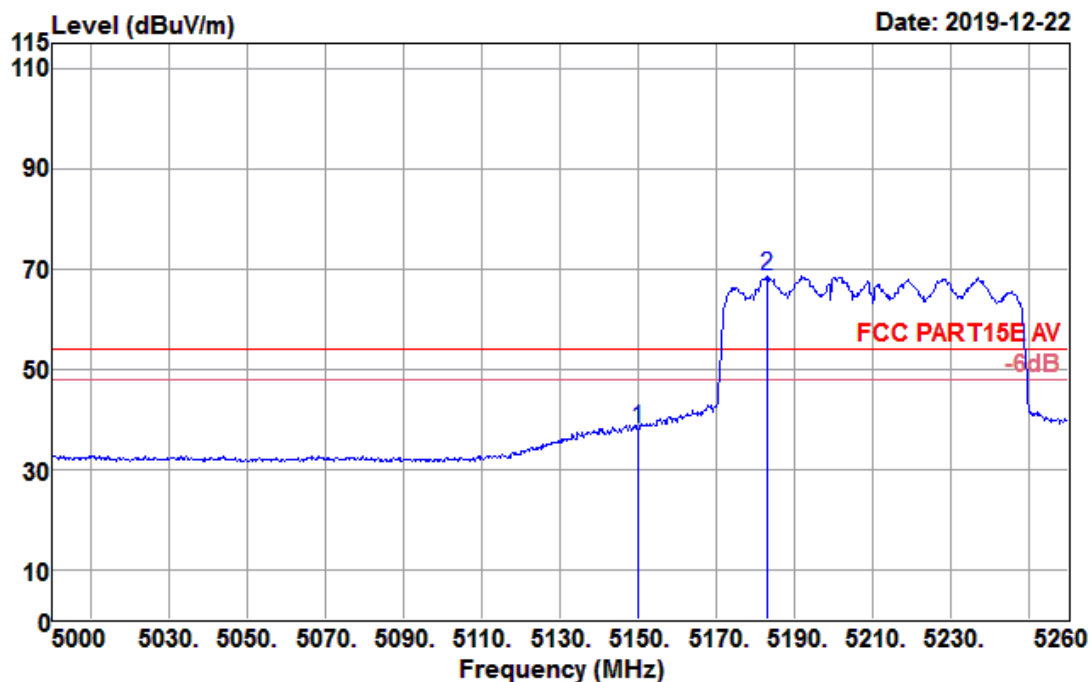
Data: 320



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	47.58	31.82	5.65	34.96	50.09	74.00	-23.91	Peak
5183.300	75.71	31.85	5.68	35.01	78.23	74.00	4.23	Peak

Test Mode :	802.11ac VHT80 CH42 5210MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.0GHz~5.26GHz	Polarization :	Vertical

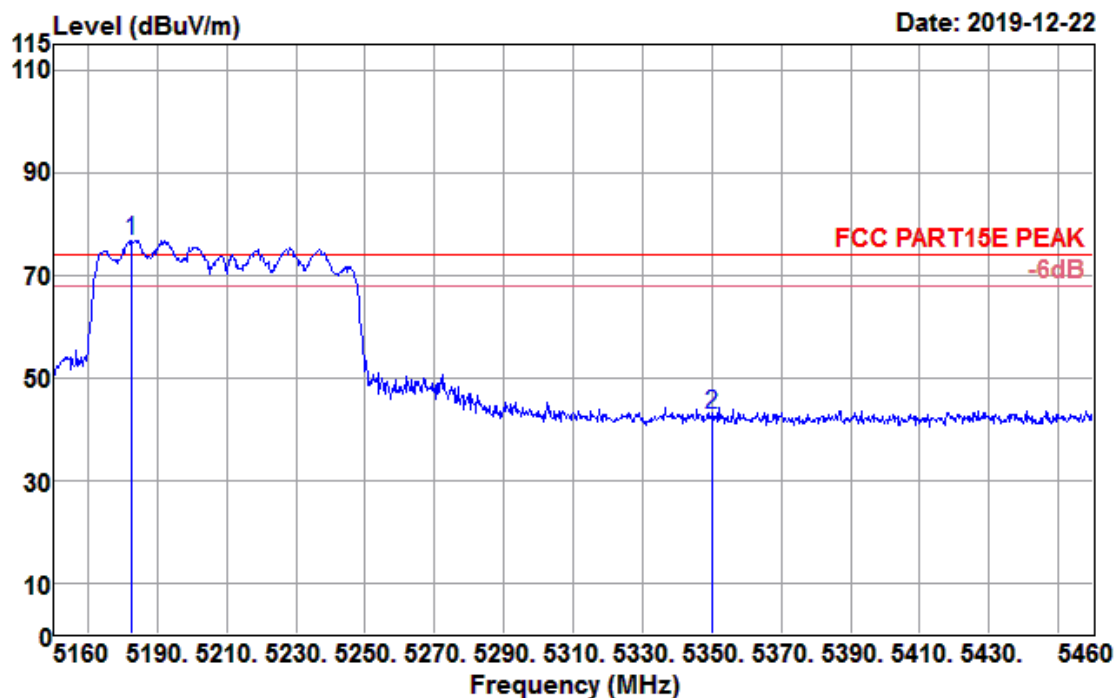
Data: 321



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	35.33	31.82	5.65	34.96	37.84	54.00	-16.16	Average
5183.040	66.16	31.85	5.68	35.01	68.68	54.00	14.68	Average

Test Mode :	802.11ac VHT80 CH42 5210MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.16GHz~5.46GHz	Polarization :	Horizontal

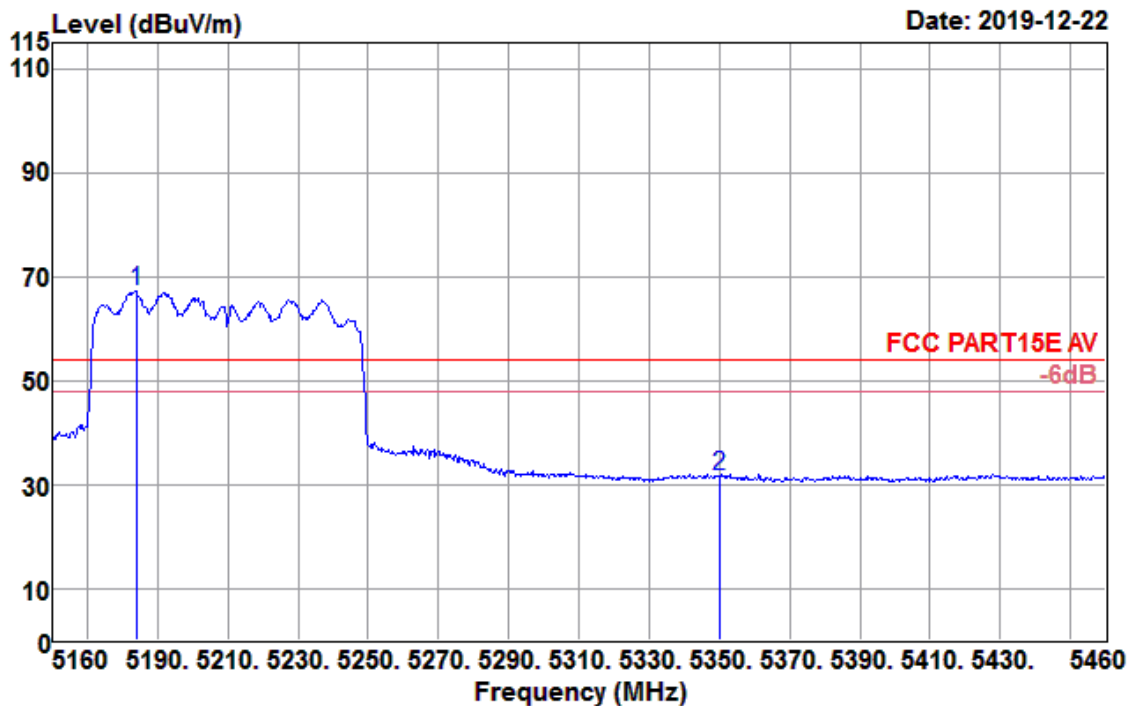
Data: 316



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5182.500	74.31	31.85	5.68	35.01	76.83	74.00	2.83	Peak
5350.000	40.20	31.98	5.71	35.30	42.59	74.00	-31.41	Peak

Test Mode :	802.11ac VHT80 CH42 5210MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.16GHz~5.46GHz	Polarization :	Horizontal

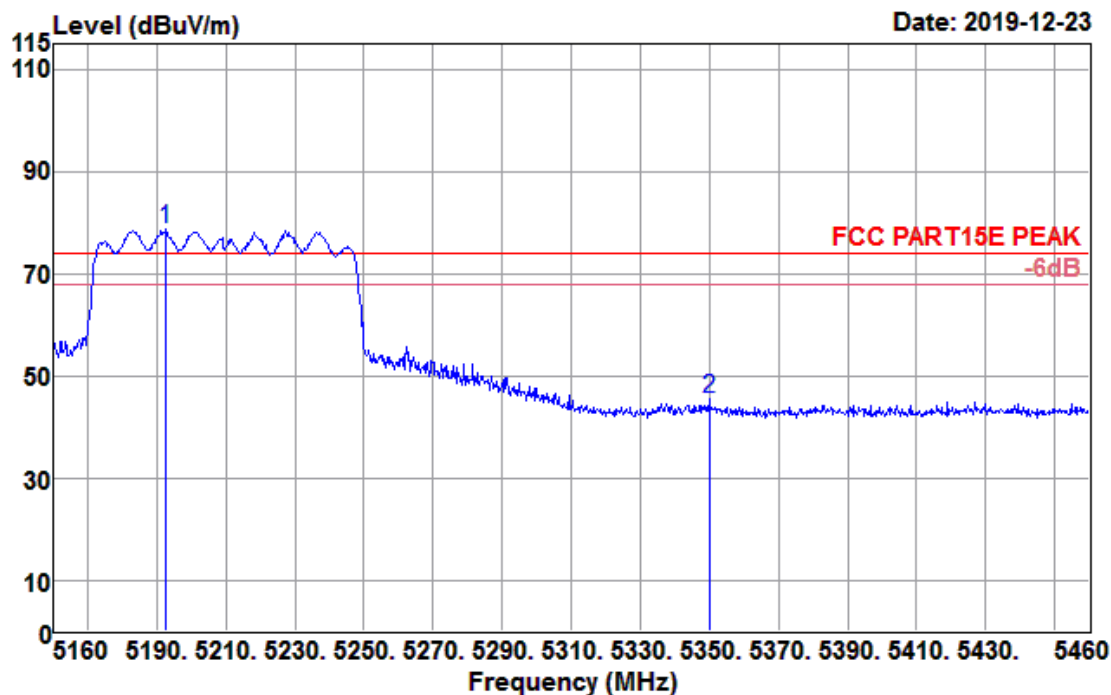
Data: 369



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5184.000	64.65	31.85	5.68	35.01	67.17	54.00	13.17	Average
5350.000	29.06	31.98	5.71	35.30	31.45	54.00	-22.55	Average

Test Mode :	802.11ac VHT80 CH42 5210MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.16GHz~5.46GHz	Polarization :	Vertical

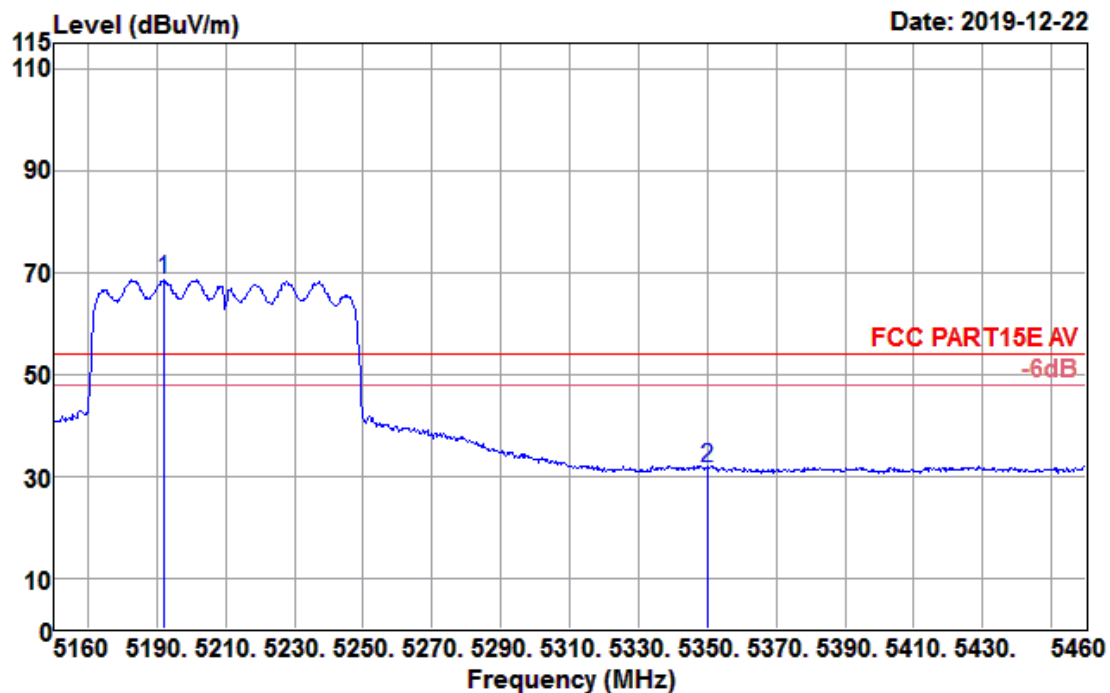
Data: 370



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5192.700	76.19	31.85	5.69	35.03	78.70	74.00	4.70	Peak
5350.000	43.20	31.98	5.71	35.30	45.59	74.00	-28.41	Peak

Test Mode :	802.11ac VHT80 CH42 5210MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.16GHz~5.46GHz	Polarization :	Vertical

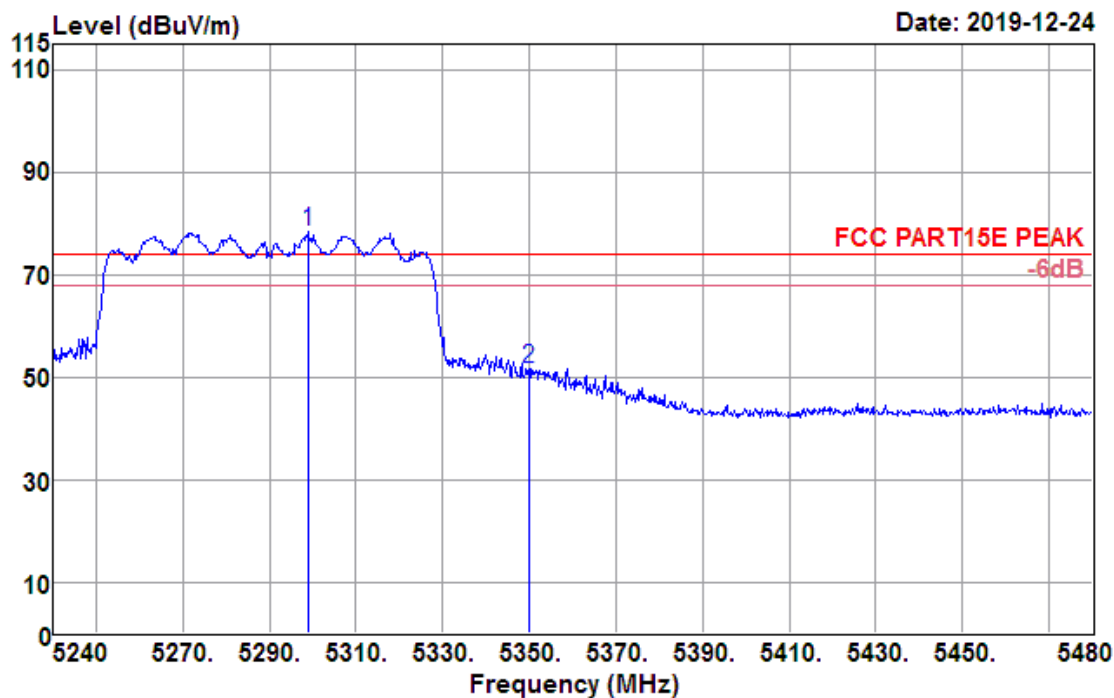
Data: 319



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5192.100	66.05	31.85	5.69	35.03	68.56	54.00	14.56	Average
5350.000	29.23	31.98	5.71	35.30	31.62	54.00	-22.38	Average

Test Mode :	802.11ac VHT80 CH58 5290MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.24GHz~5.48GHz	Polarization :	Horizontal

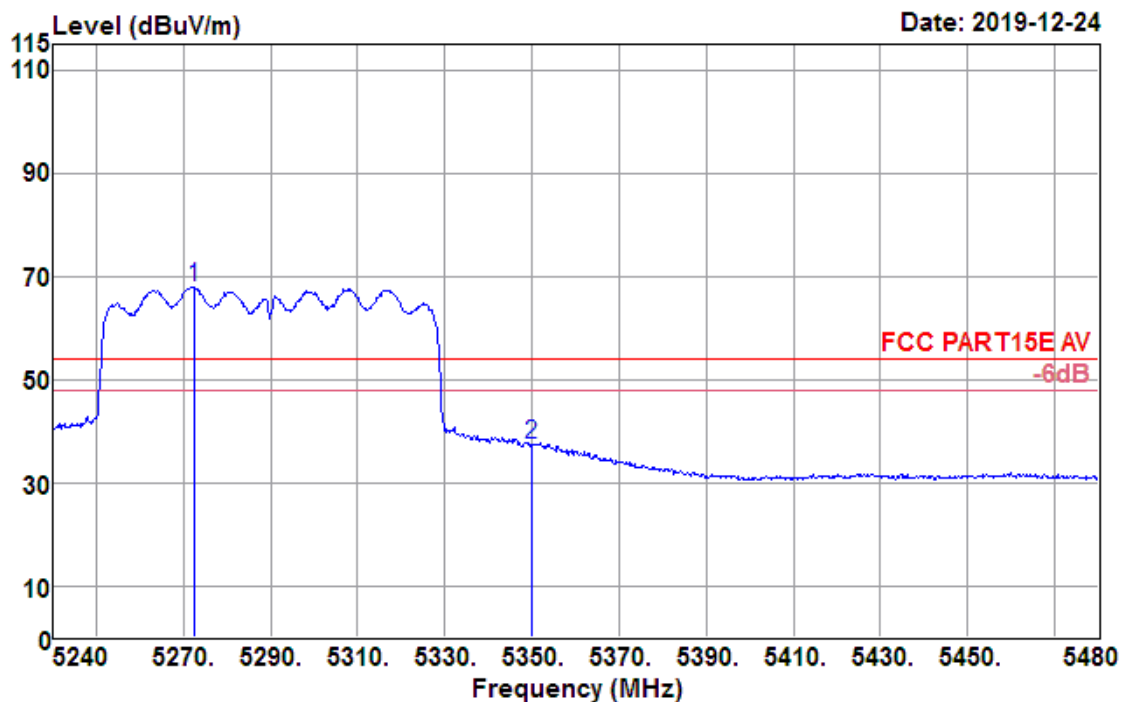
Data: 90



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5298.800	75.91	31.94	5.71	35.21	78.35	74.00	4.35	Peak
5350.000	49.05	31.98	5.71	35.30	51.44	74.00	-22.56	Peak

Test Mode :	802.11ac VHT80 CH58 5290MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.24GHz~5.48GHz	Polarization :	Horizontal

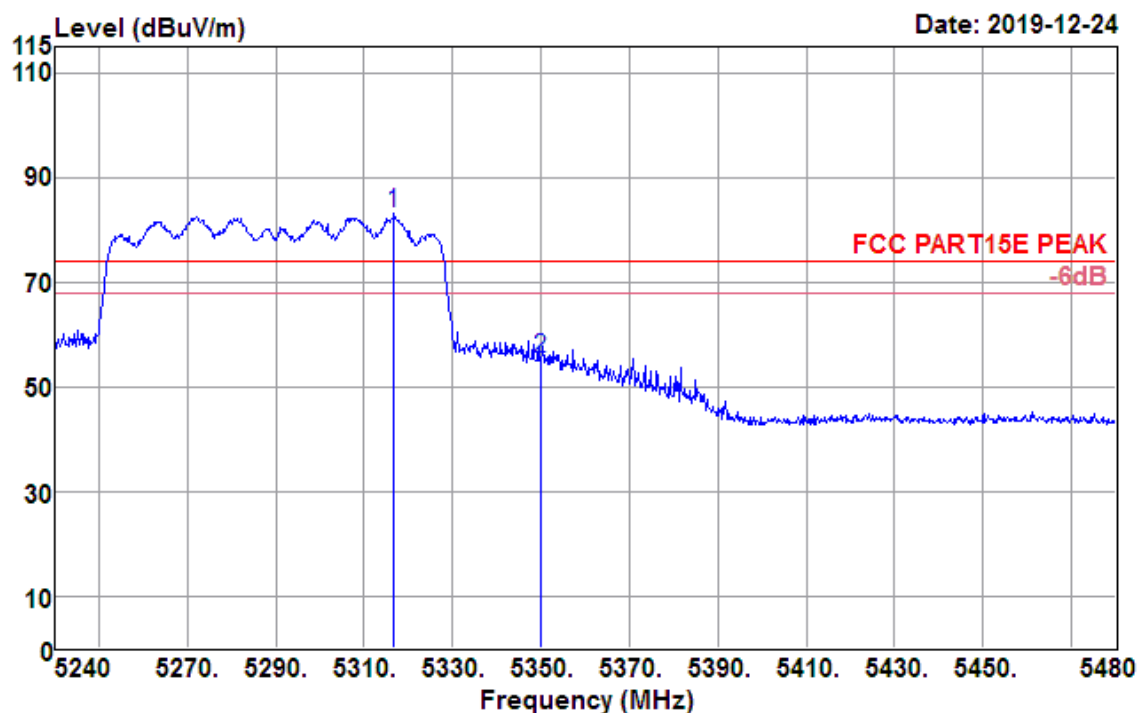
Data: 91



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5272.640	65.50	31.92	5.71	35.16	67.97	54.00	13.97	Average
5350.000	34.90	31.98	5.71	35.30	37.29	54.00	-16.71	Average

Test Mode :	802.11ac VHT80 CH58 5290MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.24GHz~5.48GHz	Polarization :	Vertical

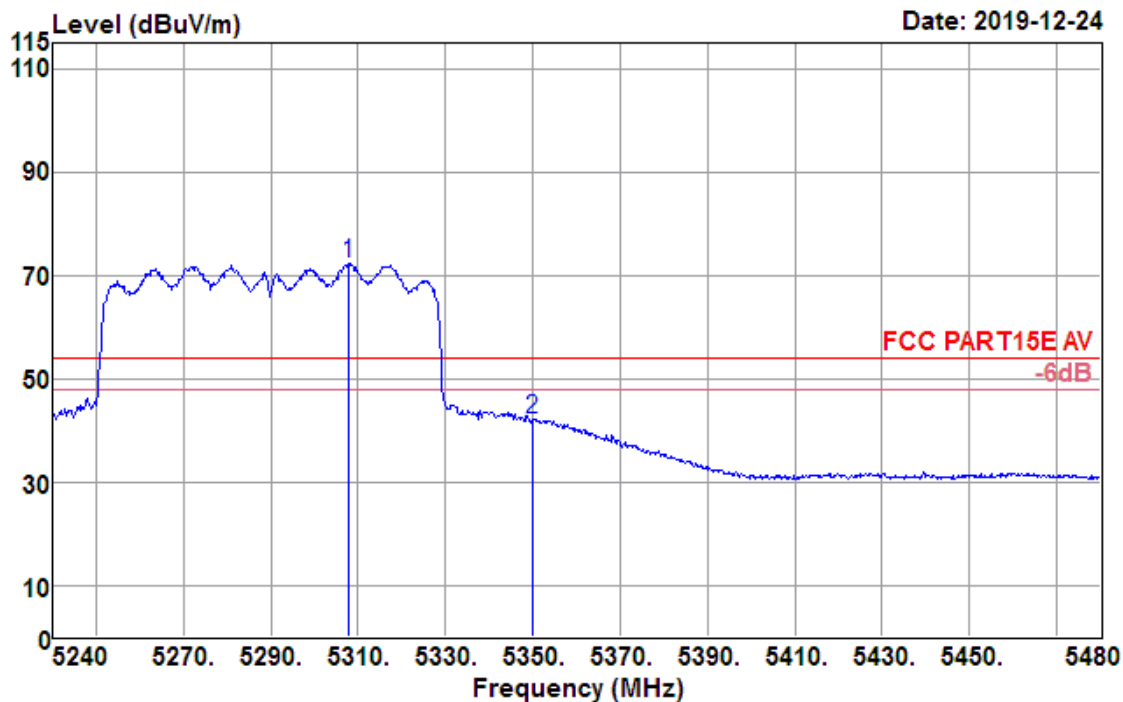
Data: 87



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5316.800	80.83	31.95	5.71	35.24	83.25	74.00	9.25	Peak
5350.000	52.90	31.98	5.71	35.30	55.29	74.00	-18.71	Peak

Test Mode :	802.11ac VHT80 CH58 5290MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.24GHz~5.48GHz	Polarization :	Vertical

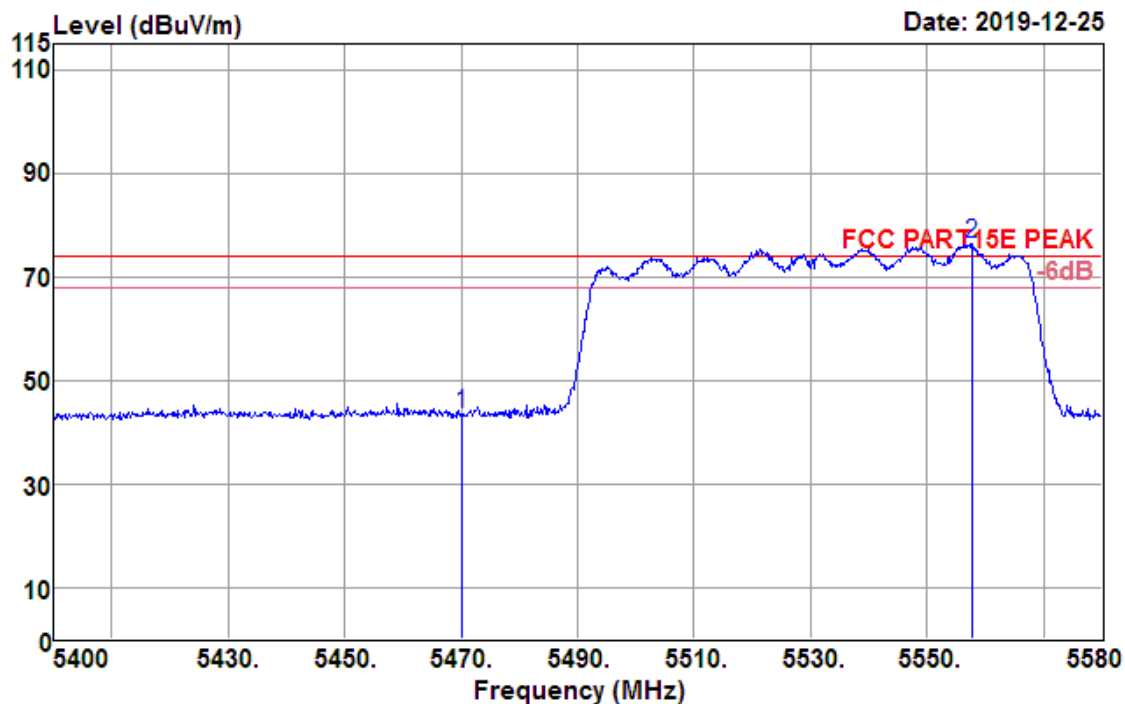
Data: 88



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5307.680	69.77	31.95	5.71	35.22	72.21	54.00	18.21	Average
5350.000	39.71	31.98	5.71	35.30	42.10	54.00	-11.90	Average

Test Mode :	802.11ac VHT80 CH106 5530MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.4GHz~5.58GHz	Polarization :	Horizontal

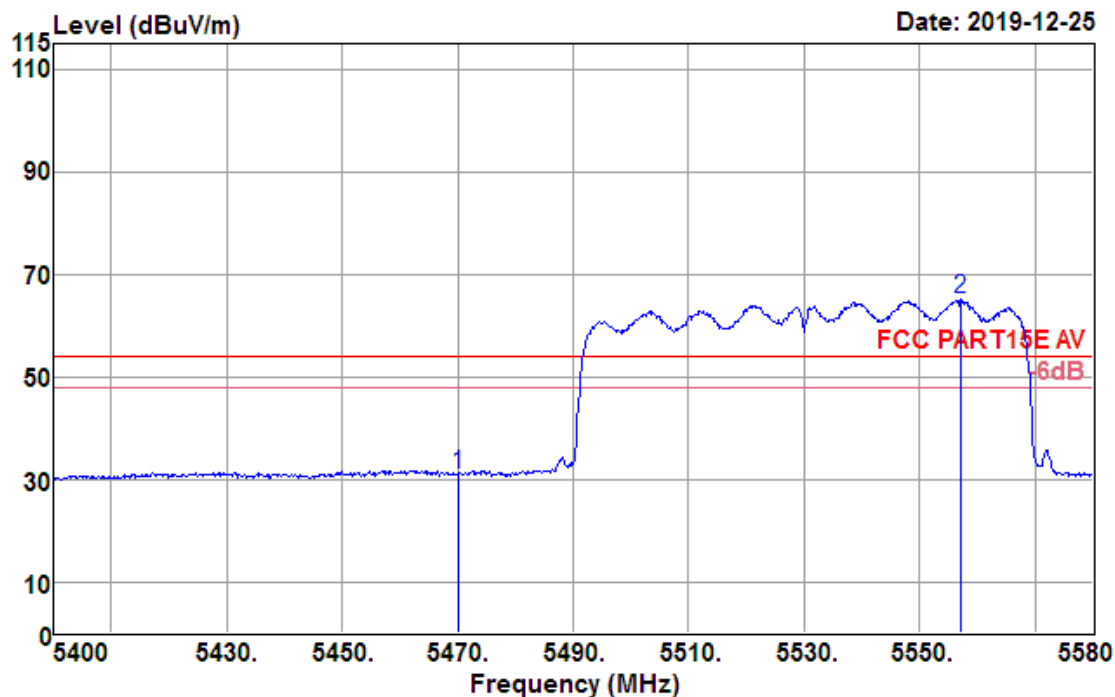
Data: 8



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	41.05	32.08	5.80	35.50	43.43	74.00	-30.57	Peak
5557.680	74.05	32.15	5.89	35.65	76.44	74.00	2.44	Peak

Test Mode :	802.11ac VHT80 CH106 5530MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.4GHz~5.58GHz	Polarization :	Horizontal

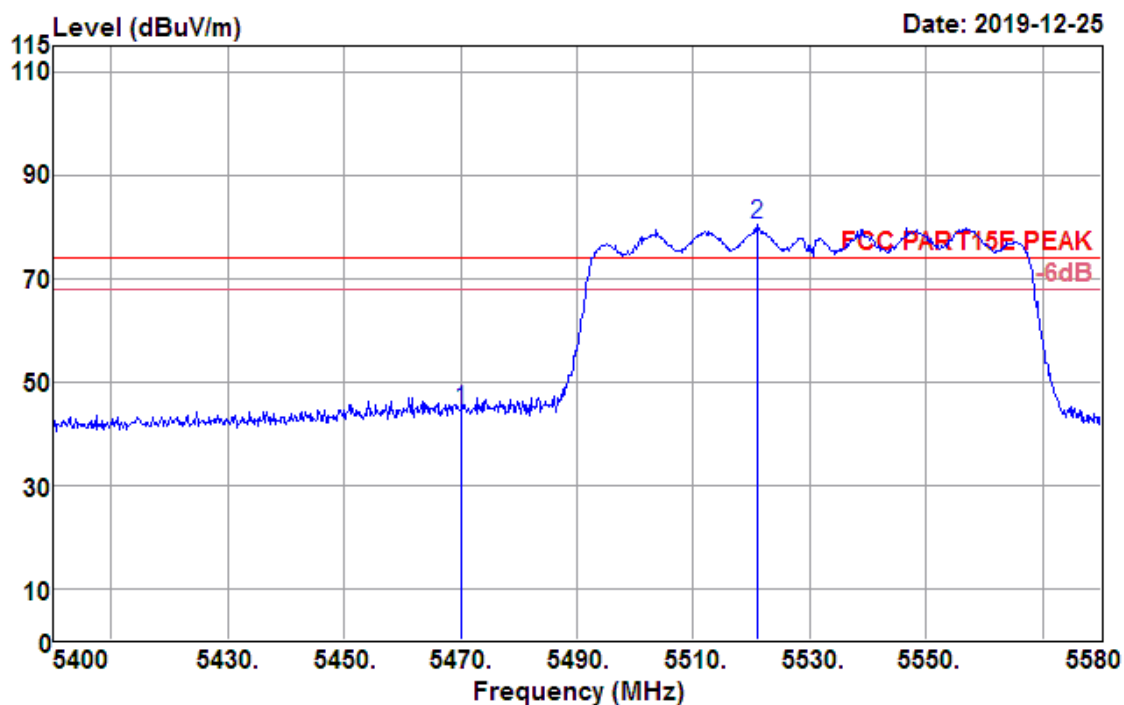
Data: 9



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	28.35	32.08	5.80	35.50	30.73	54.00	-23.27	Average
5557.140	62.60	32.15	5.89	35.65	64.99	54.00	10.99	Average

Test Mode :	802.11ac VHT80 CH106 5530MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.4GHz~5.58GHz	Polarization :	Vertical

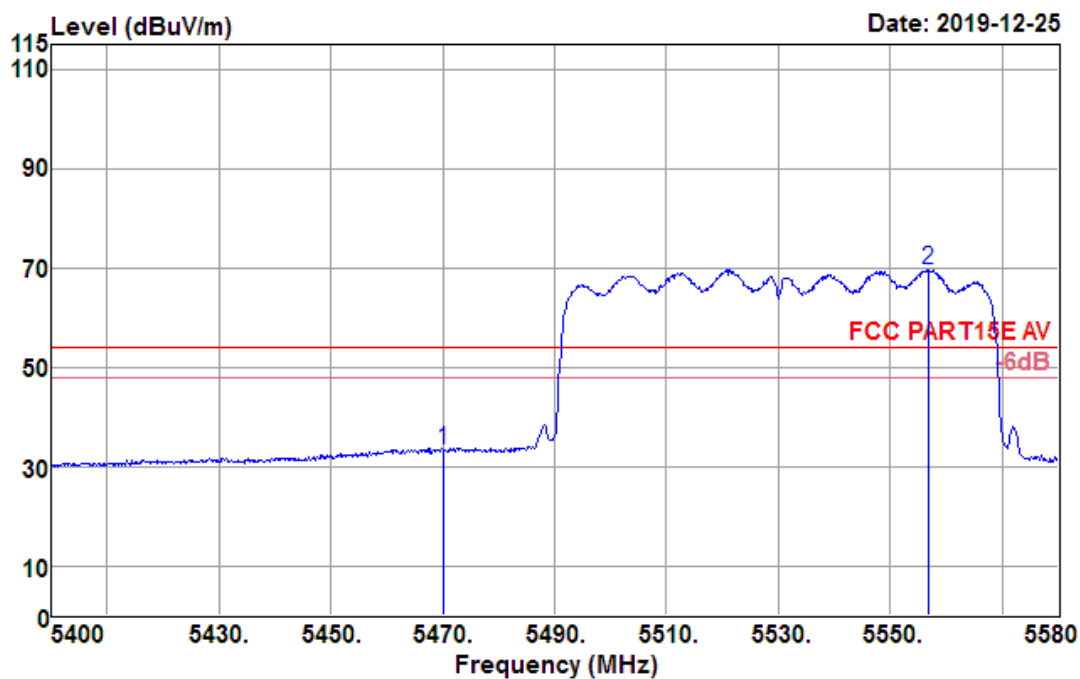
Data: 5



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	41.99	32.08	5.80	35.50	44.37	74.00	-29.63	Peak
5521.140	78.00	32.12	5.85	35.59	80.38	74.00	6.38	Peak

Test Mode :	802.11ac VHT80 CH106 5530MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.4GHz~5.58GHz	Polarization :	Vertical

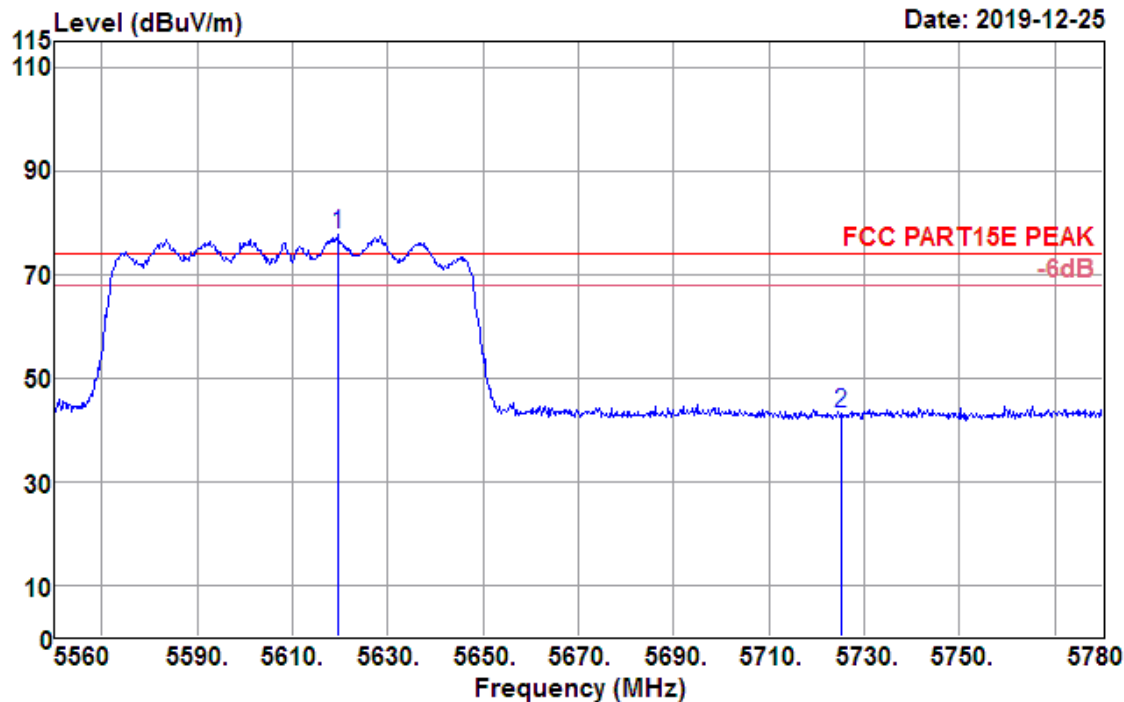
Data: 6



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	30.82	32.08	5.80	35.50	33.20	54.00	-20.80	Average
5556.780	67.26	32.15	5.89	35.65	69.65	54.00	15.65	Average

Test Mode :	802.11ac VHT80 CH106 5530MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.56GHz~5.78GHz	Polarization :	Horizontal

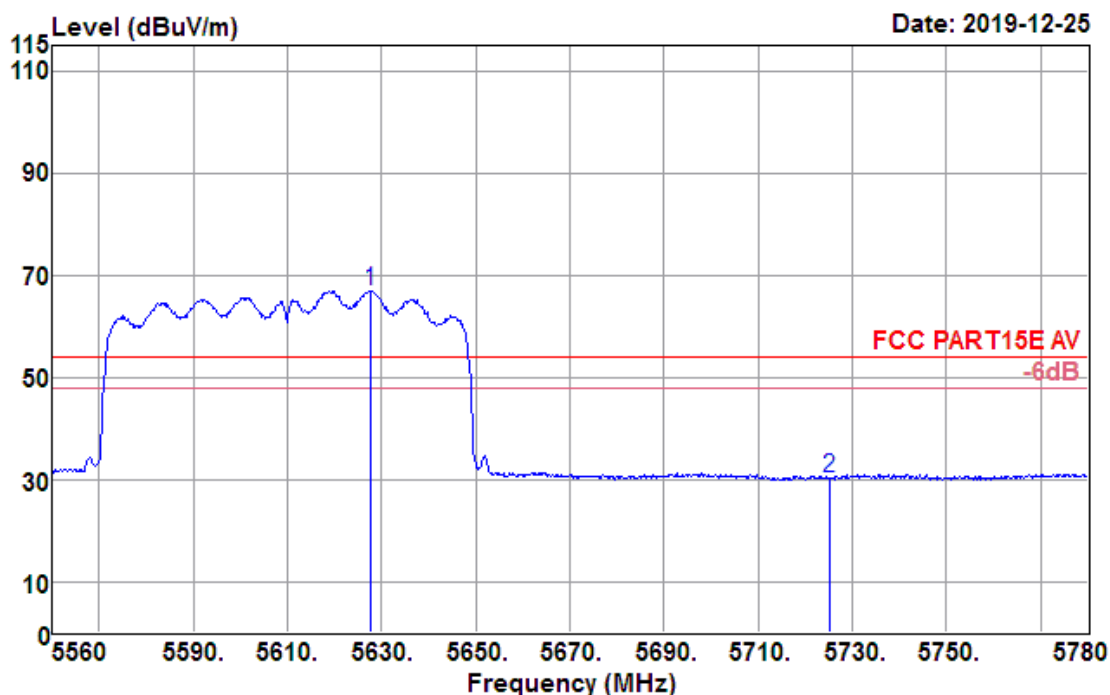
Data: 15



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5619.400	75.20	32.20	5.96	35.75	77.61	74.00	3.61	Peak
5725.000	40.61	32.28	6.04	35.93	43.00	74.00	-31.00	Peak

Test Mode :	802.11ac VHT80 CH106 5530MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.56GHz~5.78GHz	Polarization :	Horizontal

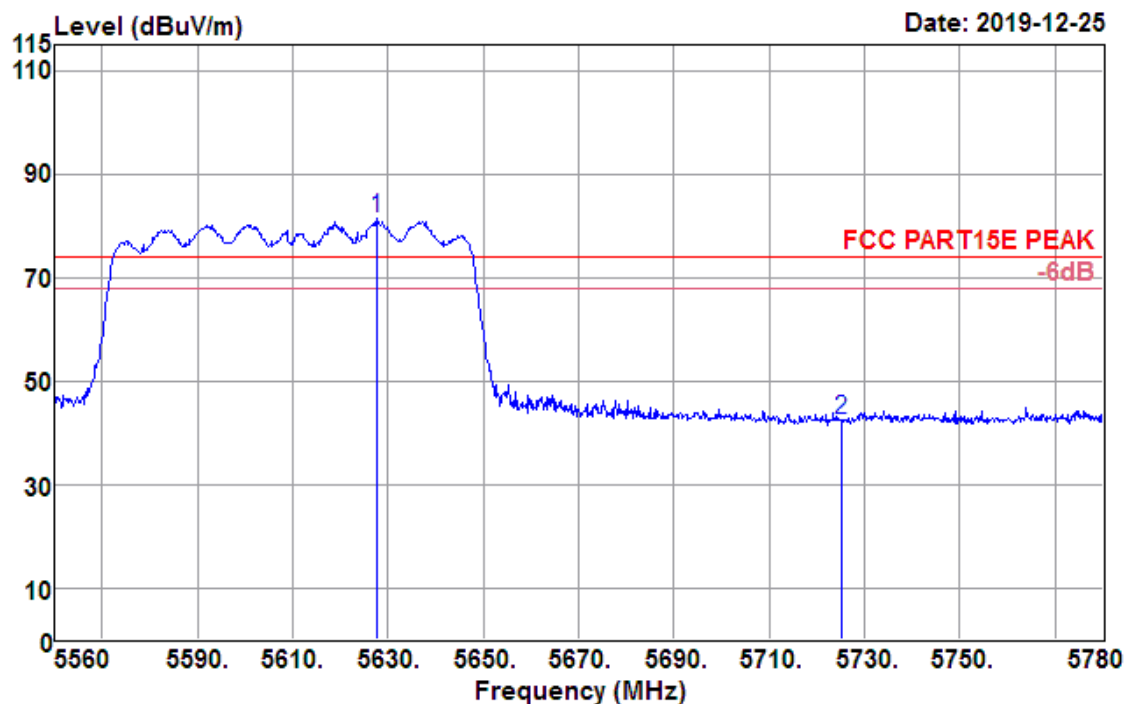
Data: 16



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5627.540	64.56	32.20	5.96	35.77	66.95	54.00	12.95	Average
5725.000	27.86	32.28	6.04	35.93	30.25	54.00	-23.75	Average

Test Mode :	802.11ac VHT80 CH106 5530MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.56GHz~5.78GHz	Polarization :	Vertical

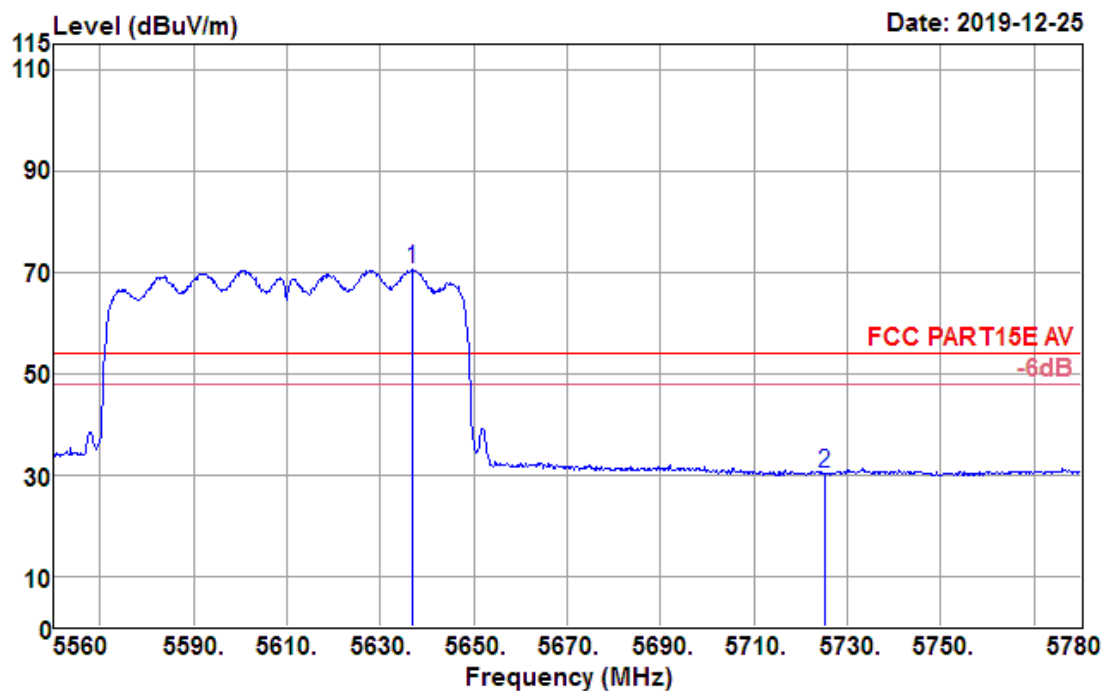
Data: 18



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5627.540	79.13	32.20	5.96	35.77	81.52	74.00	7.52	Peak
5725.000	40.19	32.28	6.04	35.93	42.58	74.00	-31.42	Peak

Test Mode :	802.11ac VHT80 CH106 5530MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.56GHz~5.78GHz	Polarization :	Vertical

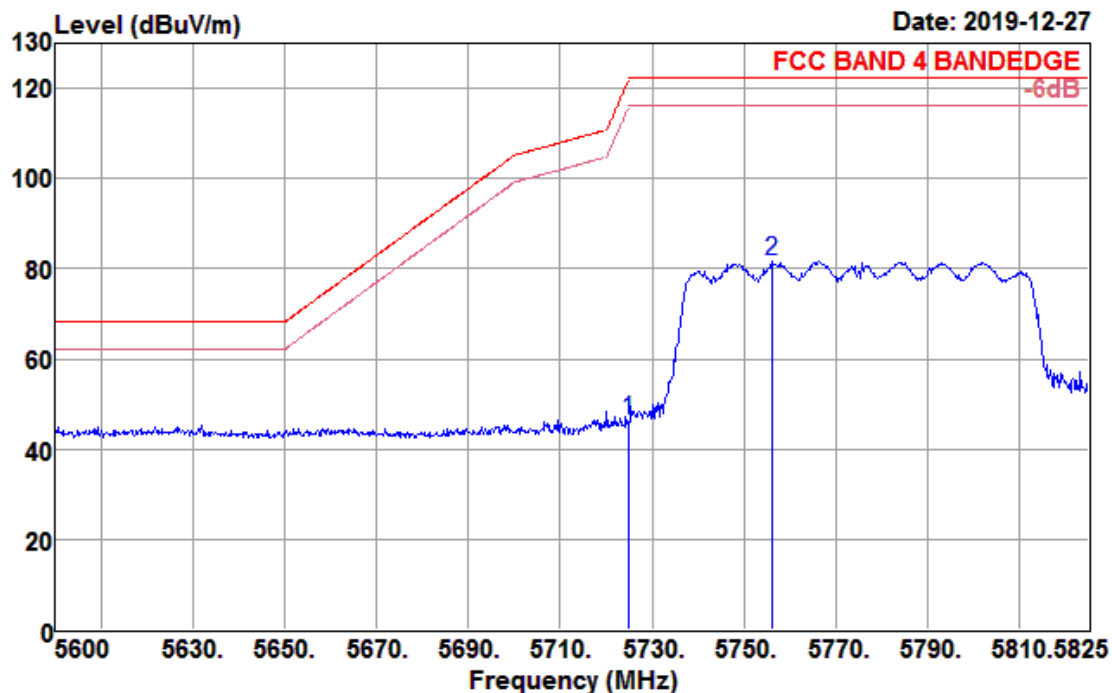
Data: 19



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5636.780	68.18	32.21	5.97	35.78	70.58	54.00	16.58	Average
5725.000	27.91	32.28	6.04	35.93	30.30	54.00	-23.70	Average

Test Mode :	802.11ac VHT80 CH155 5775MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.6GHz~5.825GHz	Polarization :	Horizontal

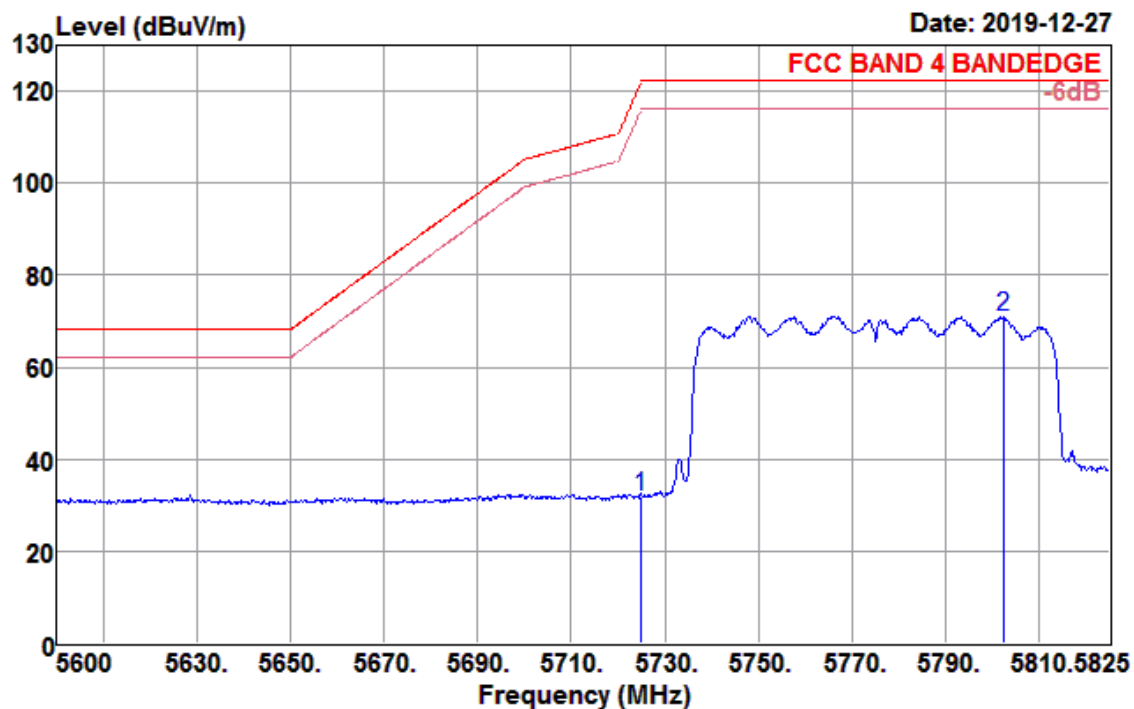
Data: 127



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	43.93	32.28	6.04	35.93	46.32	122.20	-75.88	Peak
5756.150	79.51	32.30	6.06	35.99	81.88	122.20	-40.32	Peak

Test Mode :	802.11ac VHT80 CH155 5775MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.6GHz~5.825GHz	Polarization :	Horizontal

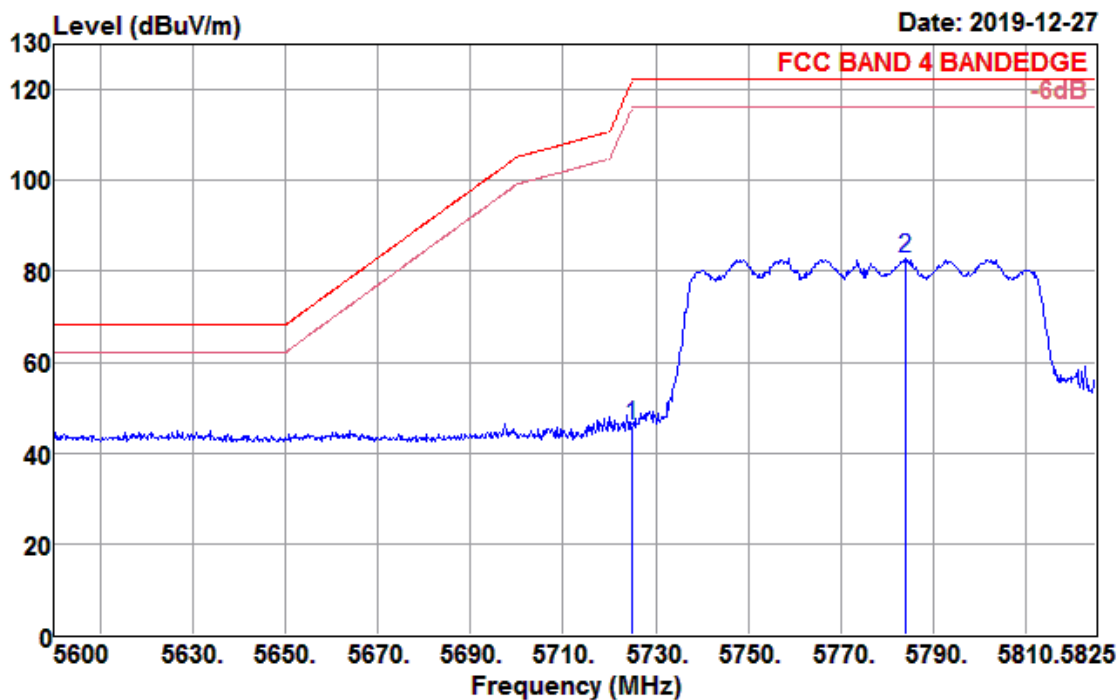
Data: 128



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	29.54	32.28	6.04	35.93	31.93	122.20	-90.27	Average
5802.275	68.66	32.34	6.10	36.06	71.04	122.20	-51.16	Average

Test Mode :	802.11ac VHT80 CH155 5775MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.6GHz~5.825GHz	Polarization :	Vertical

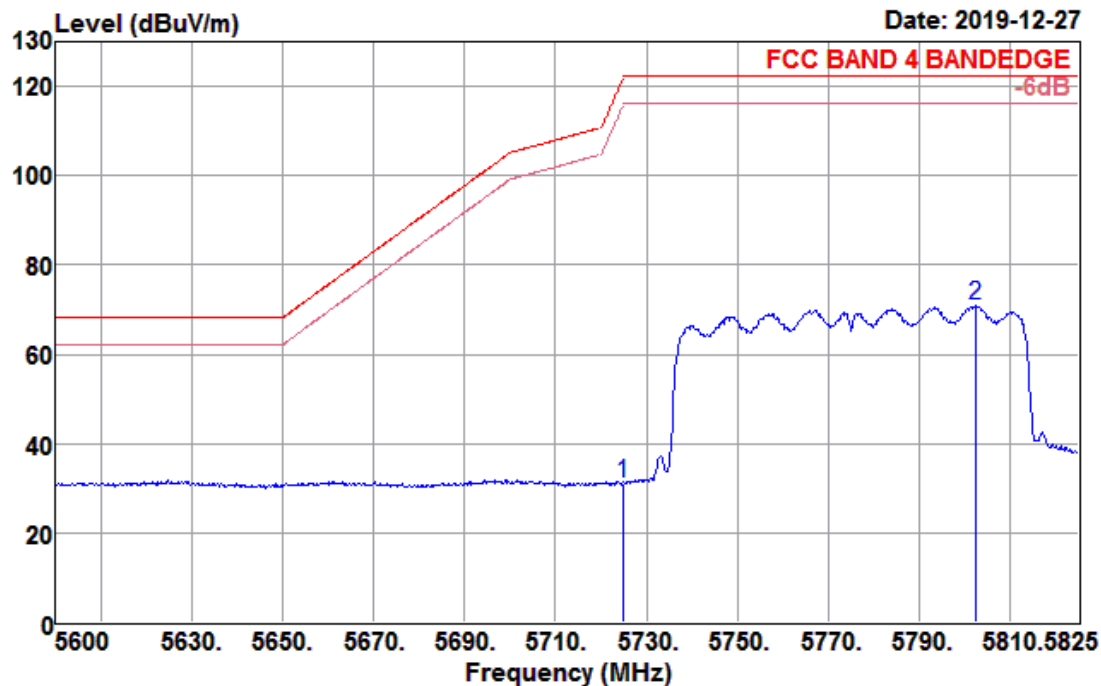
Data: 125



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	43.72	32.28	6.04	35.93	46.11	122.20	-76.09	Peak
5783.825	80.42	32.33	6.09	36.03	82.81	122.20	-39.39	Peak

Test Mode :	802.11ac VHT80 CH155 5775MHz	Temperature :	21~23°C
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.6GHz~5.825GHz	Polarization :	Vertical

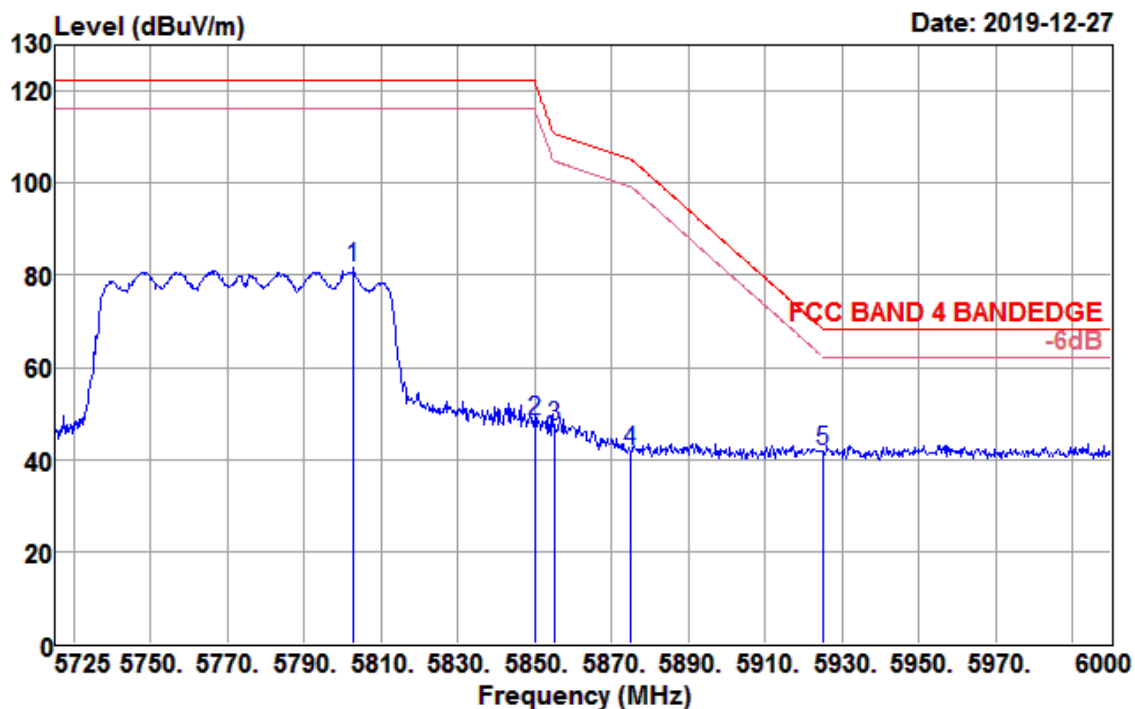
Data: 126



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	28.64	32.28	6.04	35.93	31.03	122.20	-91.17	Average
5802.500	68.72	32.34	6.10	36.06	71.10	122.20	-51.10	Average

Test Mode :	802.11ac VHT80 CH155 5775MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.725GHz~6GHz	Polarization :	Horizontal

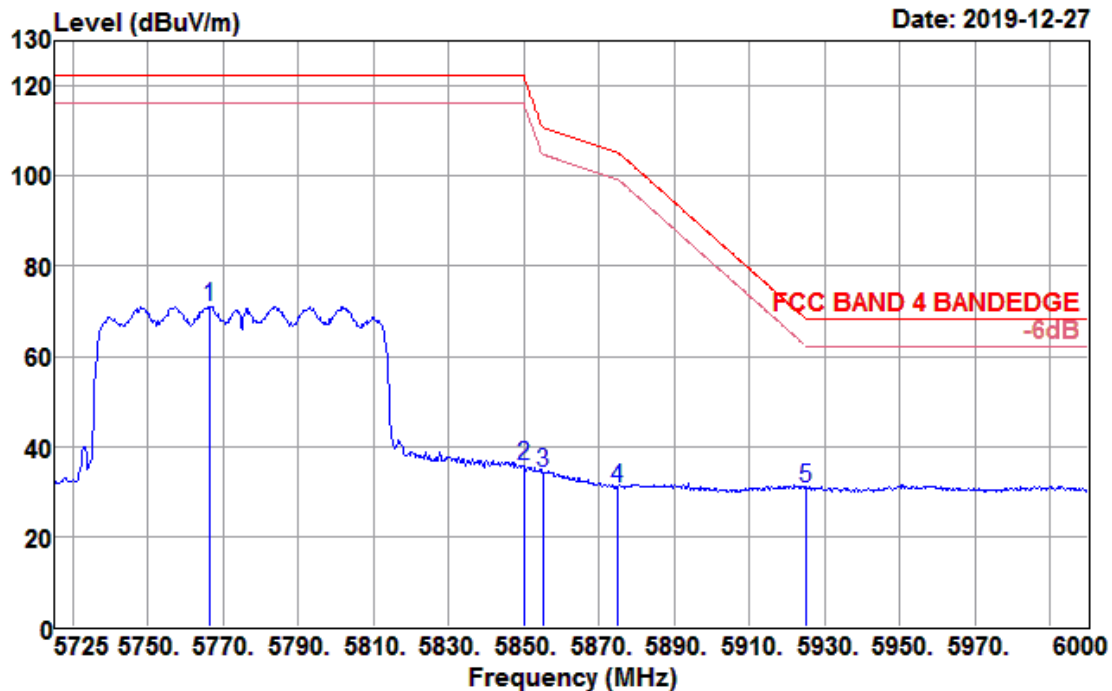
Data: 129



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5802.825	79.25	32.34	6.10	36.06	81.63	122.20	-40.57	Peak
5850.000	45.97	32.38	6.15	36.15	48.35	122.20	-73.85	Peak
5855.000	44.80	32.38	6.16	36.15	47.19	110.80	-63.61	Peak
5875.000	39.43	32.40	6.18	36.19	41.82	105.20	-63.38	Peak
5925.000	39.41	32.44	6.22	36.27	41.80	68.20	-26.40	Peak

Test Mode :	802.11ac VHT80 CH155 5775MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.725GHz~6GHz	Polarization :	Horizontal

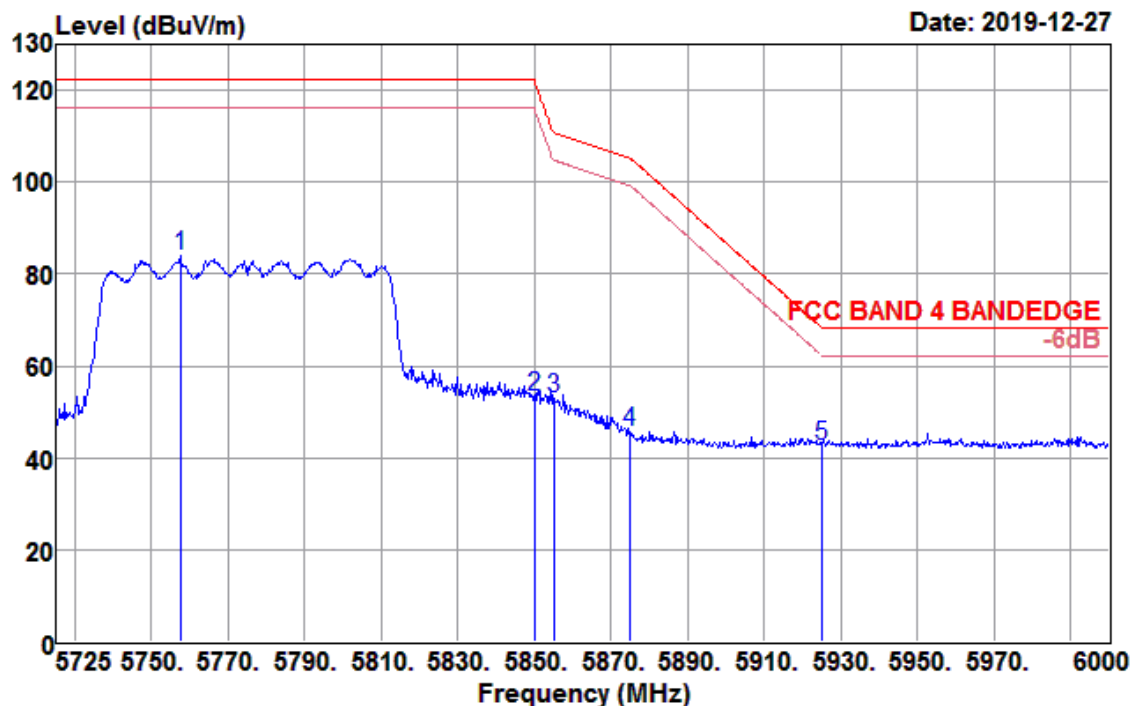
Data: 130



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5766.525	68.76	32.31	6.07	36.00	71.14	122.20	-51.06	Average
5850.000	33.41	32.38	6.15	36.15	35.79	122.20	-86.41	Average
5855.000	31.90	32.38	6.16	36.15	34.29	110.80	-76.51	Average
5875.000	28.36	32.40	6.18	36.19	30.75	105.20	-74.45	Average
5925.000	28.20	32.44	6.22	36.27	30.59	68.20	-37.61	Average

Test Mode :	802.11ac VHT80 CH155 5775MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.725GHz~6GHz	Polarization :	Vertical

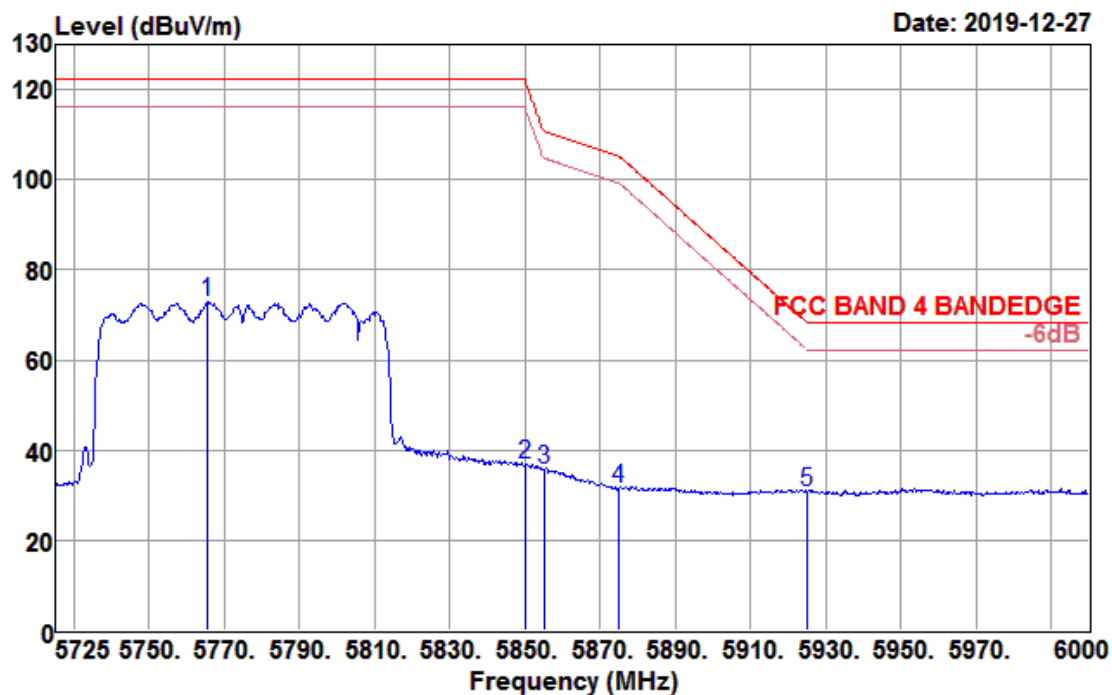
Data: 131



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5757.450	81.51	32.31	6.07	35.99	83.90	122.20	-38.30	Peak
5850.000	50.85	32.38	6.15	36.15	53.23	122.20	-68.97	Peak
5855.000	50.50	32.38	6.16	36.15	52.89	110.80	-57.91	Peak
5875.000	43.31	32.40	6.18	36.19	45.70	105.20	-59.50	Peak
5925.000	40.19	32.44	6.22	36.27	42.58	68.20	-25.62	Peak

Test Mode :	802.11ac VHT80 CH155 5775MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	5.725GHz~6GHz	Polarization :	Vertical

Data: 132

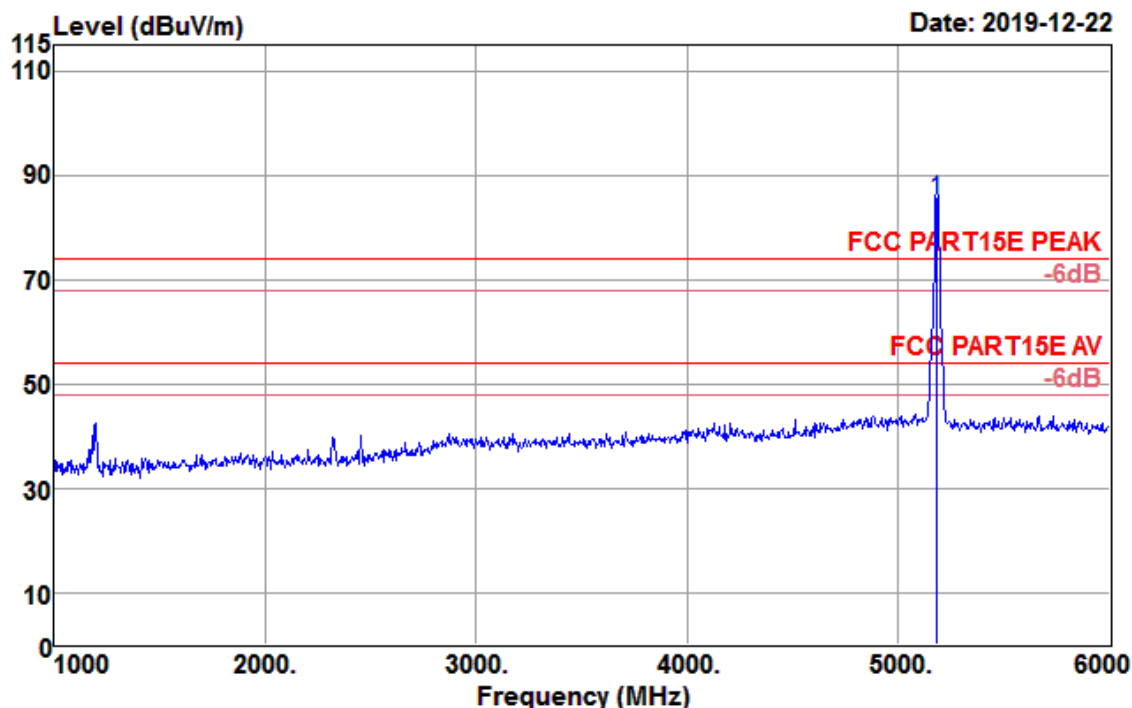


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5765.425	70.40	32.31	6.07	36.00	72.78	122.20	-49.42	Average
5850.000	34.42	32.38	6.15	36.15	36.80	122.20	-85.40	Average
5855.000	33.42	32.38	6.16	36.15	35.81	110.80	-74.99	Average
5875.000	29.04	32.40	6.18	36.19	31.43	105.20	-73.77	Average
5925.000	28.34	32.44	6.22	36.27	30.73	68.20	-37.47	Average

4.4.5 Test Result of Radiated Spurious Emission (1GHz ~ 10th Harmonic)

Test Mode :	802.11a CH36 5180MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Horizontal

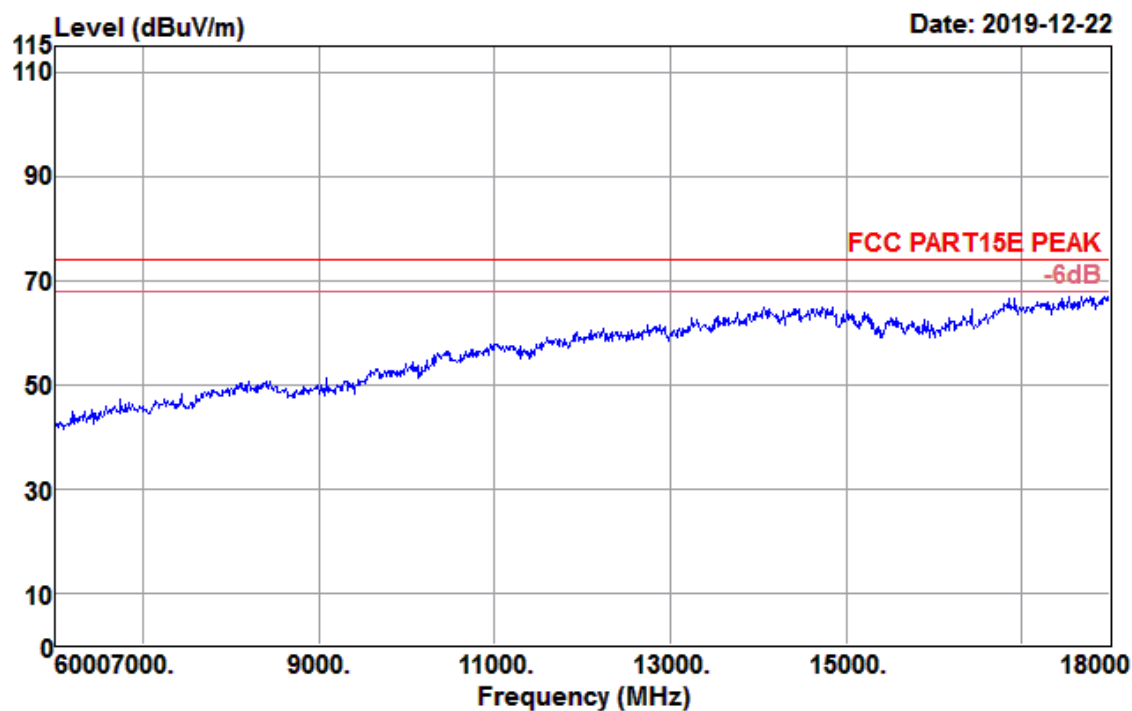
Data: 242



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5180.000	82.68	31.84	5.68	35.01	85.19	74.00	11.19	Peak

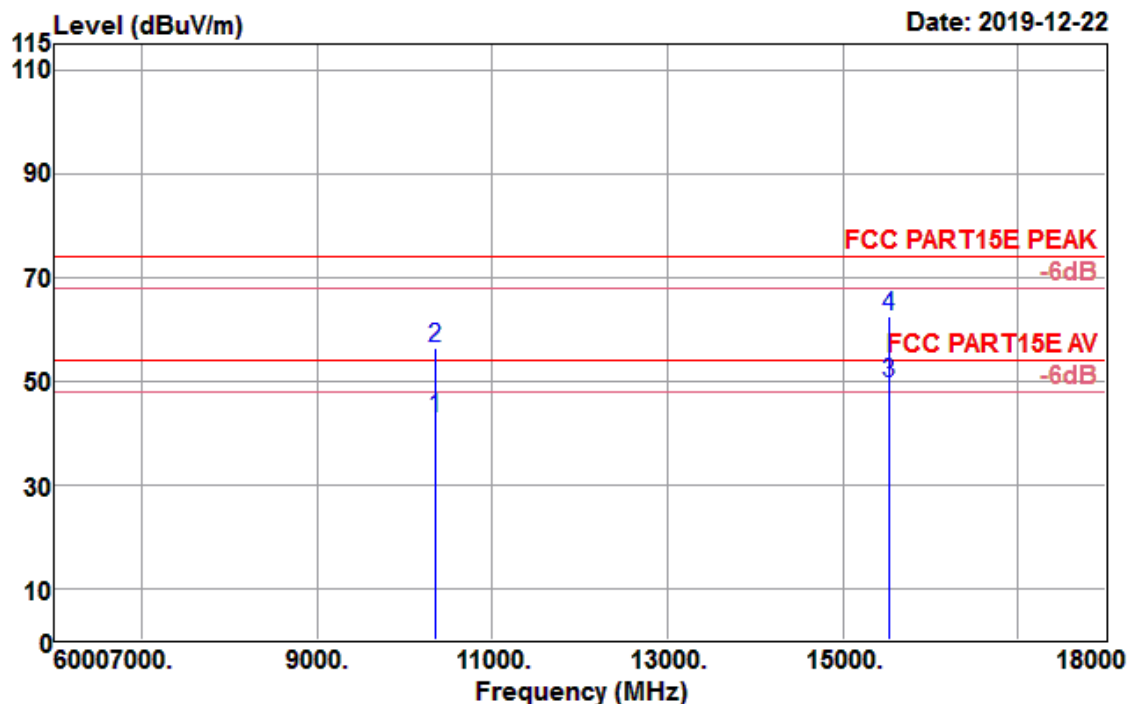
Test Mode :	802.11a CH36 5180MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Horizontal

Data: 238



Data: 239

Date: 2019-12-22

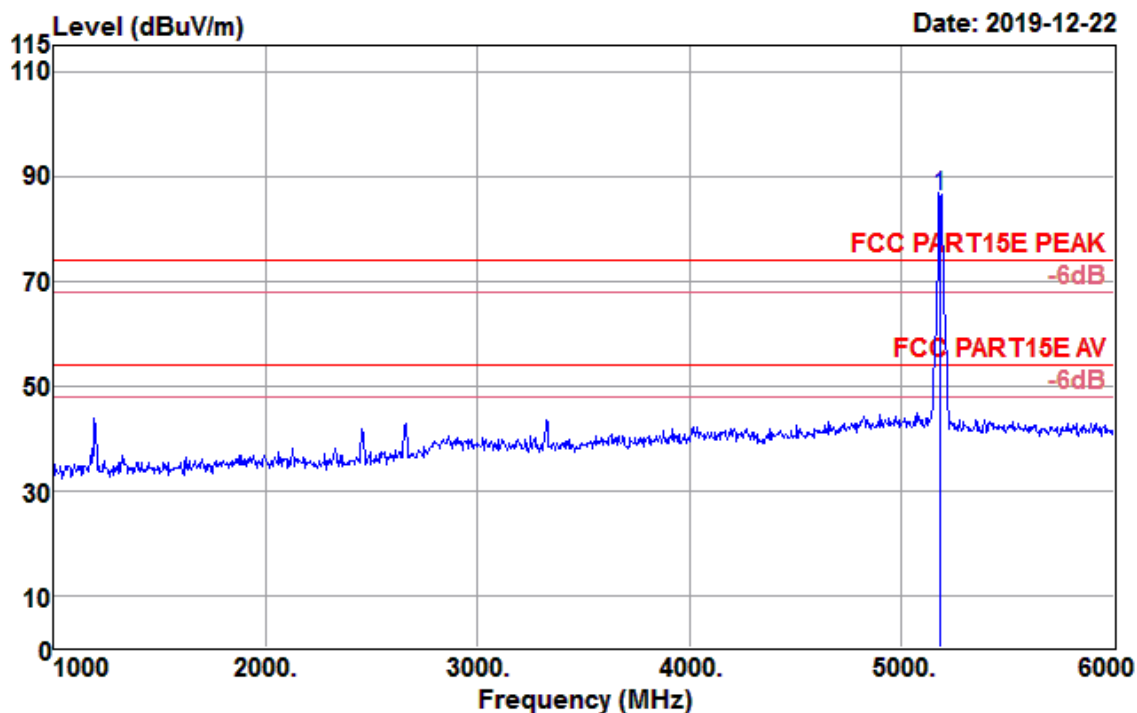


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10360.000	27.43	39.15	11.90	35.61	42.87	54.00	-11.13	Average
10360.000	40.84	39.15	11.90	35.61	56.28	74.00	-17.72	Peak
15540.000	26.21	39.03	16.34	31.88	49.70	54.00	-4.30	Average
15540.000	39.03	39.03	16.34	31.88	62.52	74.00	-11.48	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH36 5180MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Vertical

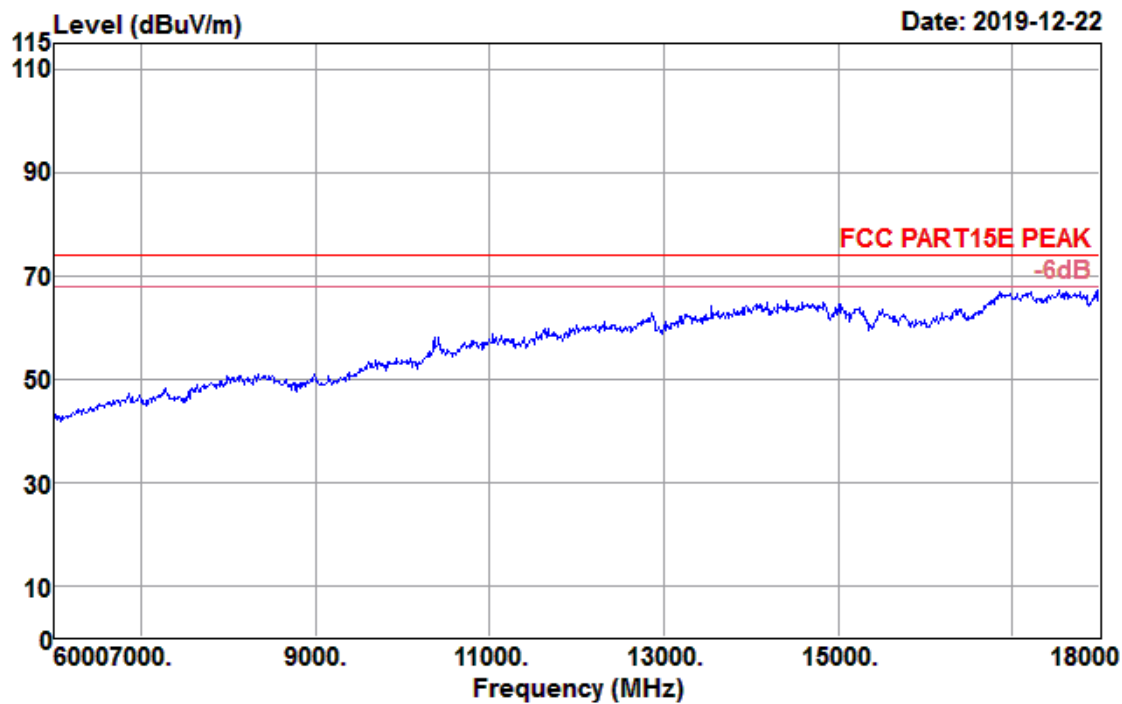
Data: 245



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5180.000	83.65	31.84	5.68	35.01	86.16	74.00	12.16	Peak

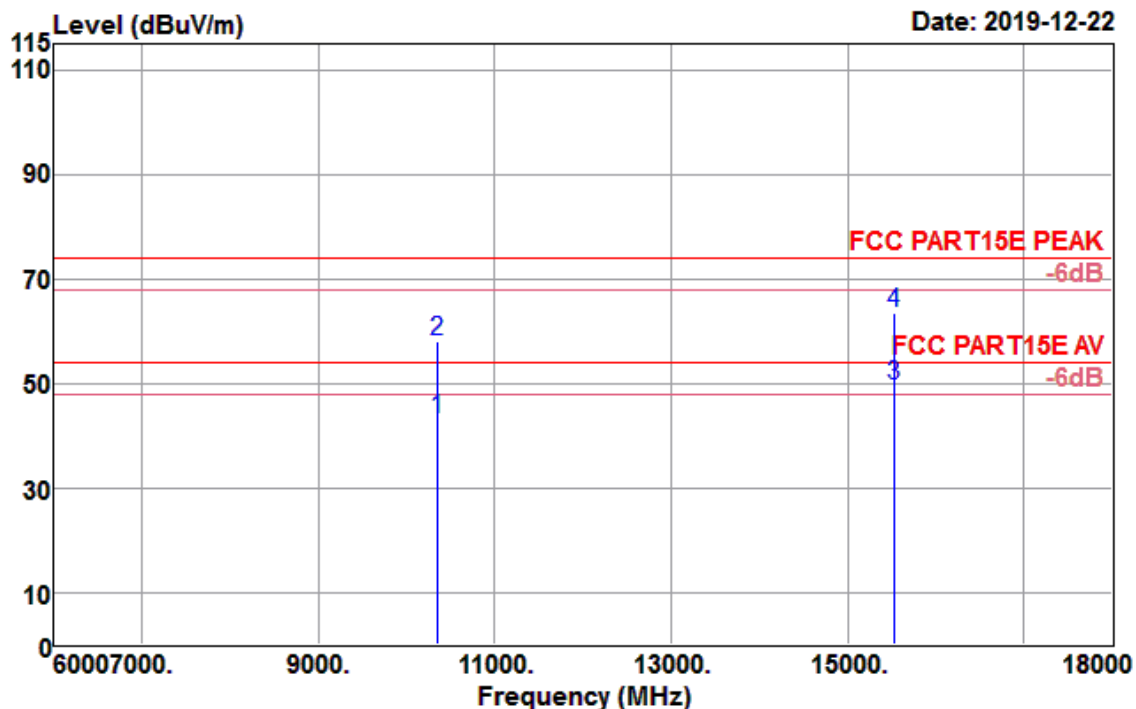
Test Mode :	802.11a CH36 5180MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Vertical

Data: 236



Data: 237

Date: 2019-12-22

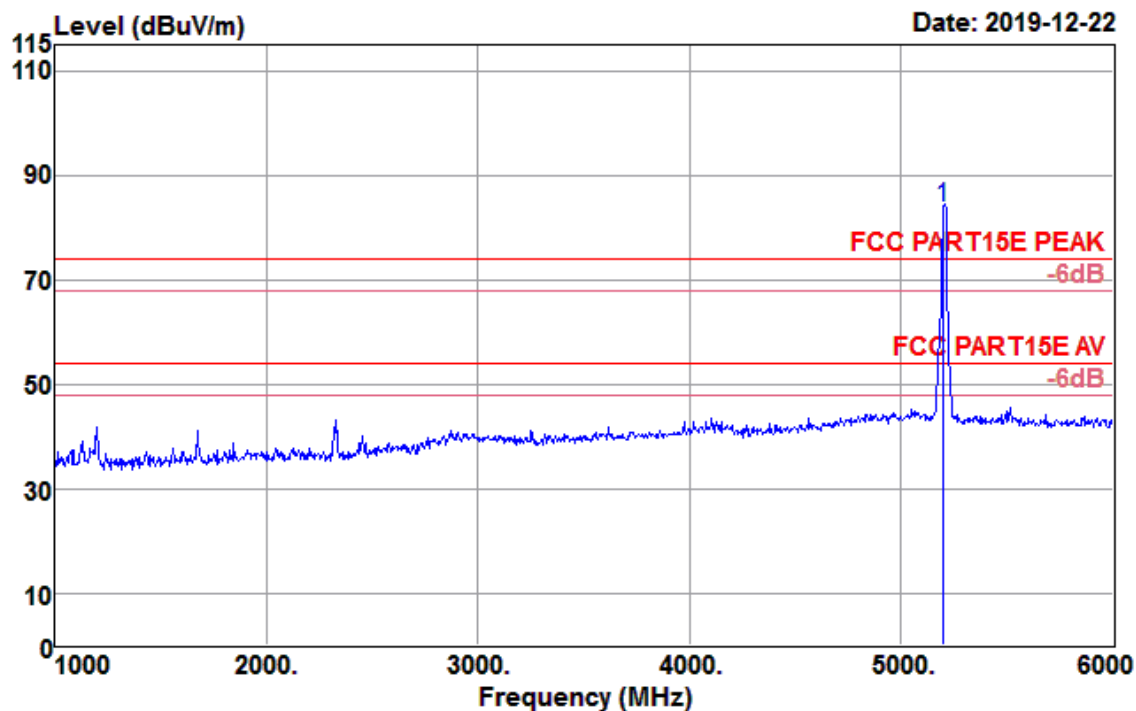


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10360.000	27.65	39.15	11.90	35.61	43.09	54.00	-10.91	Average
10360.000	42.52	39.15	11.90	35.61	57.96	74.00	-16.04	Peak
15540.000	26.19	39.03	16.34	31.88	49.68	54.00	-4.32	Average
15540.000	40.05	39.03	16.34	31.88	63.54	74.00	-10.46	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH40 5200MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Horizontal

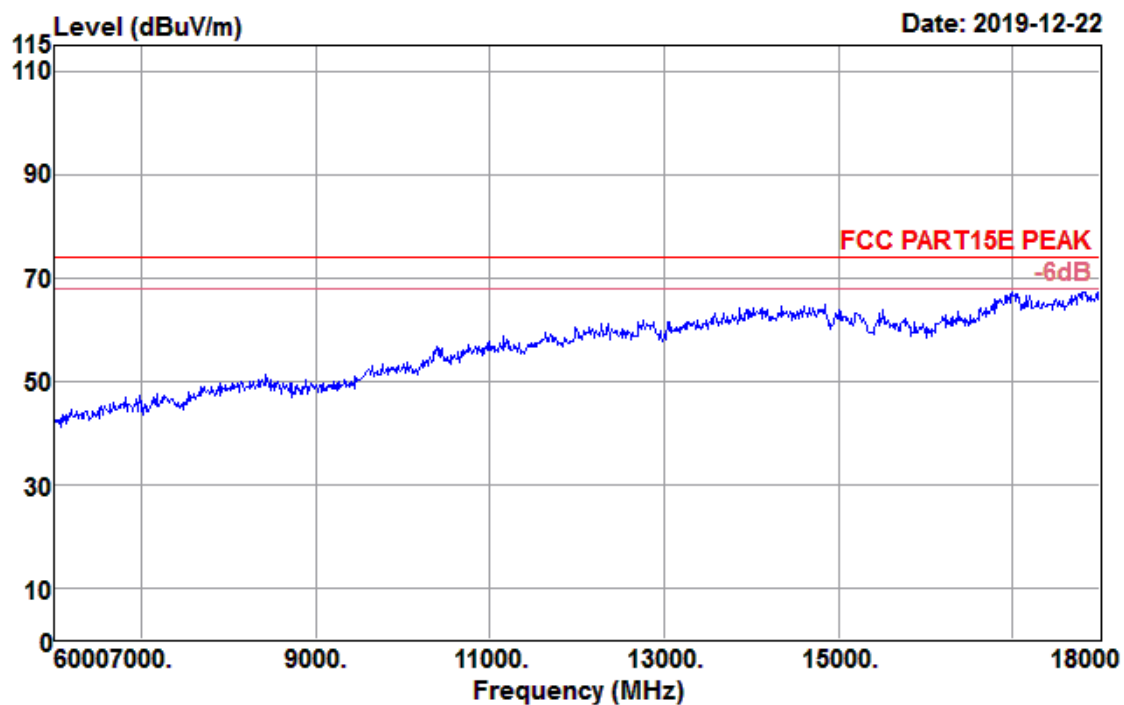
Data: 251



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5200.000	81.12	31.86	5.70	35.04	83.64	74.00	9.64	Peak

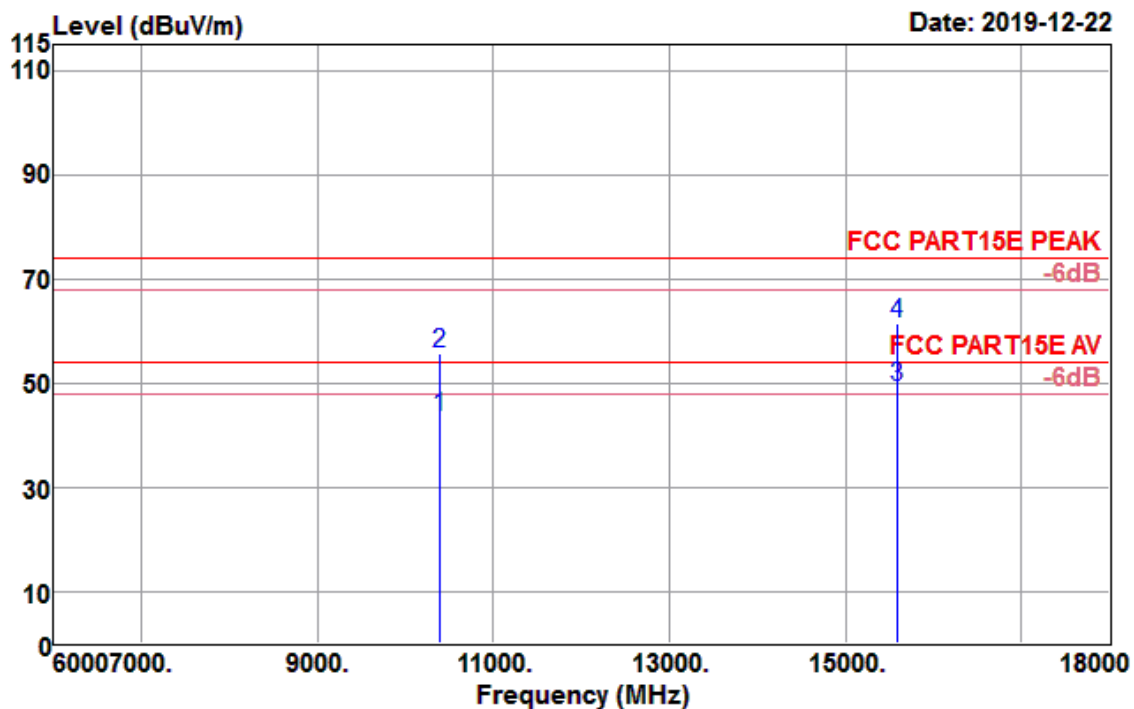
Test Mode :	802.11a CH40 5200MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Horizontal

Data: 246



Data: 247

Date: 2019-12-22

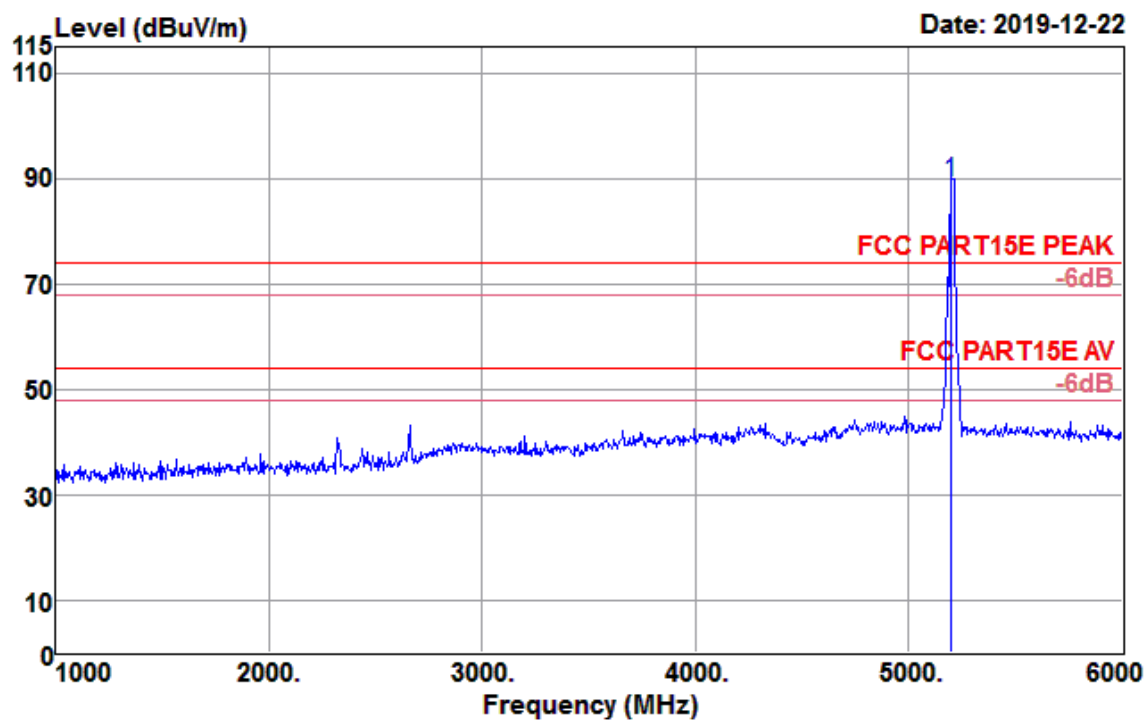


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10400.000	27.67	39.22	11.96	35.52	43.33	54.00	-10.67	Average
10400.000	39.98	39.22	11.96	35.52	55.64	74.00	-18.36	Peak
15600.000	26.03	38.84	16.28	31.86	49.29	54.00	-4.71	Average
15600.000	38.15	38.84	16.28	31.86	61.41	74.00	-12.59	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH40 5200MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Vertical

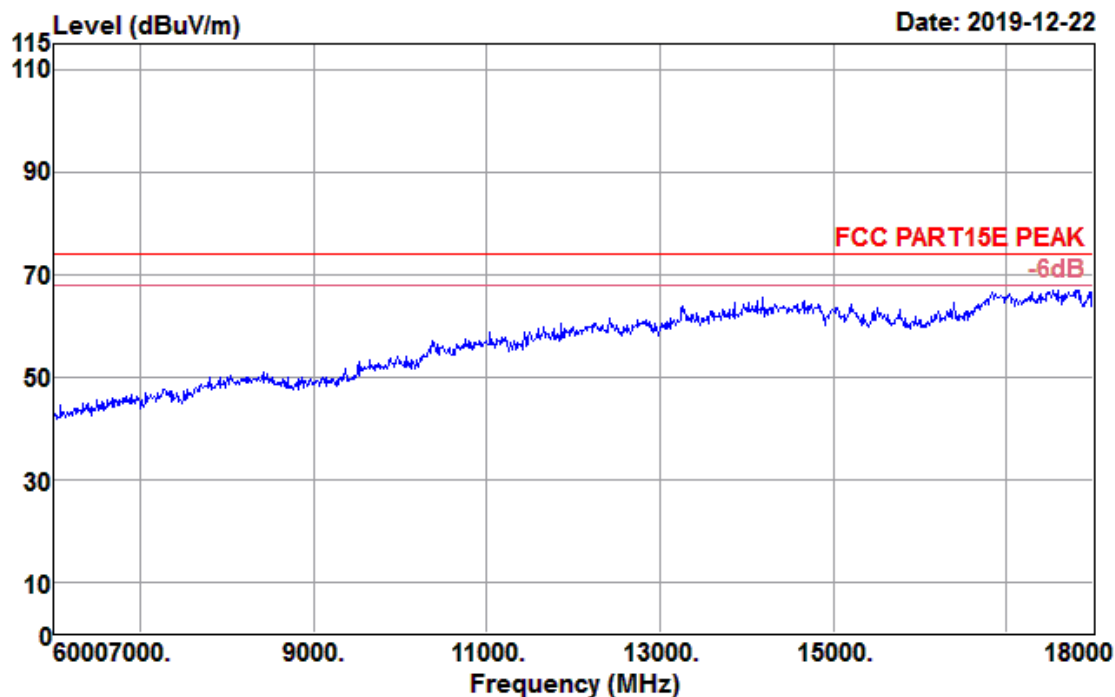
Data: 250



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5200.000	86.87	31.86	5.70	35.04	89.39	74.00	15.39	Peak

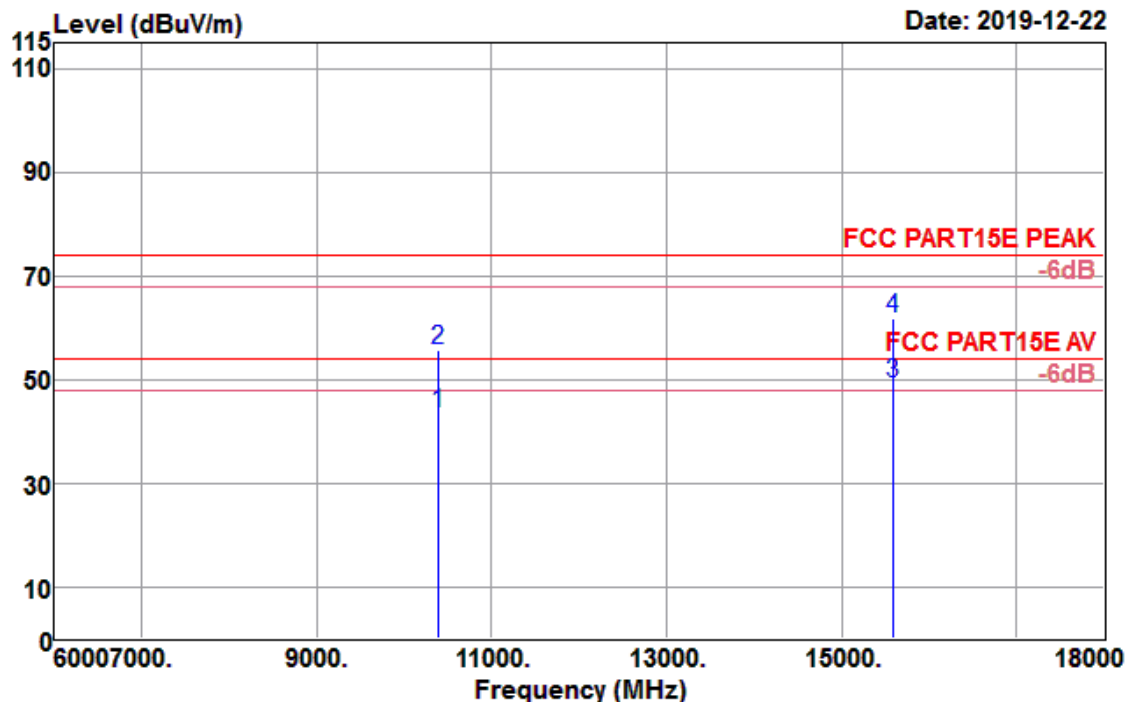
Test Mode :	802.11a CH40 5200MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Vertical

Data: 248



Data: 249

Date: 2019-12-22

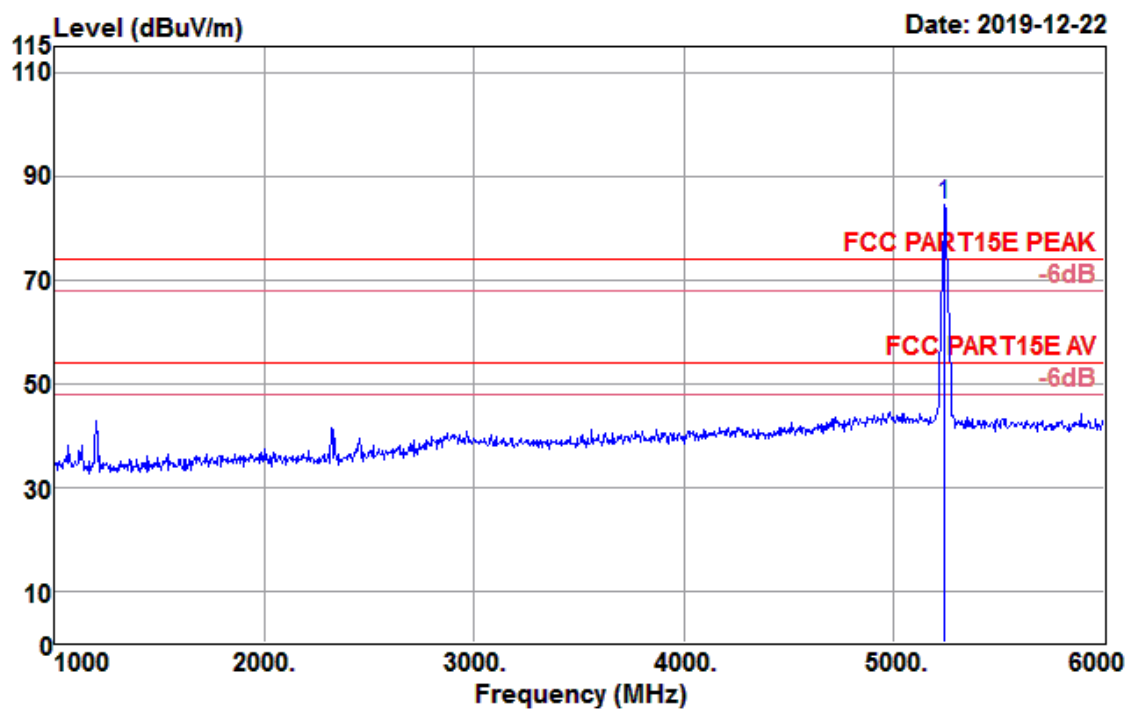


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10400.000	27.70	39.22	11.96	35.52	43.36	54.00	-10.64	Average
10400.000	39.91	39.22	11.96	35.52	55.57	74.00	-18.43	Peak
15600.000	26.10	38.84	16.28	31.86	49.36	54.00	-4.64	Average
15600.000	38.50	38.84	16.28	31.86	61.76	74.00	-12.24	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH48 5240MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Horizontal

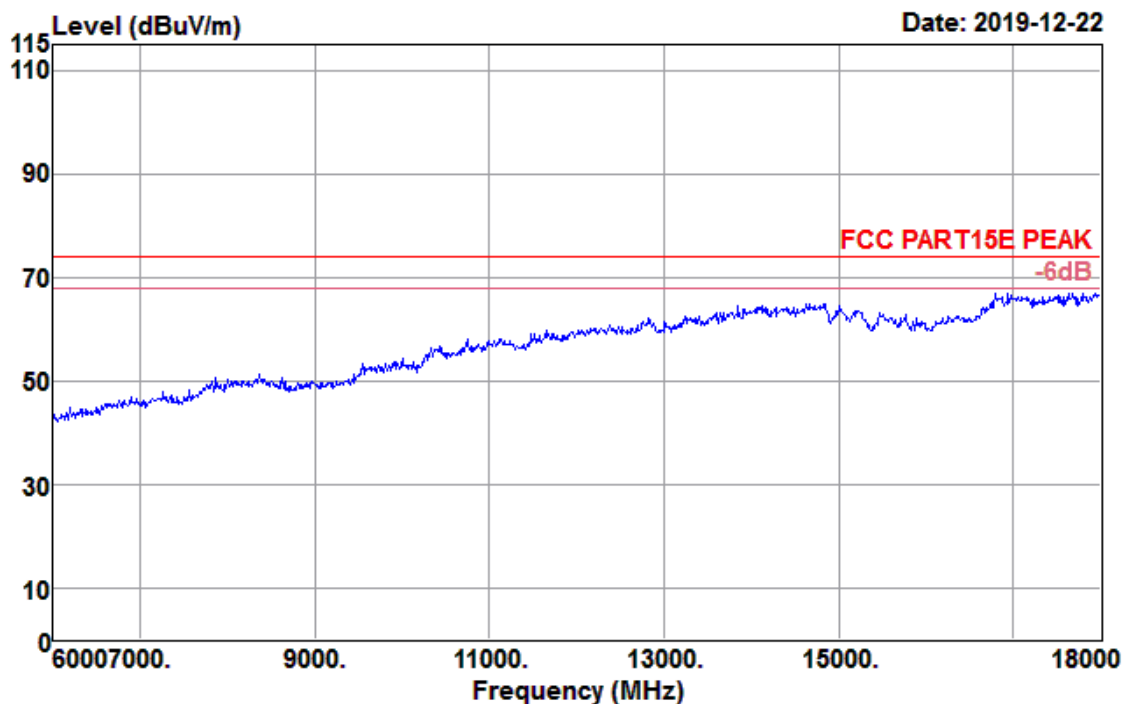
Data: 258



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5240.000	81.92	31.89	5.70	35.11	84.40	74.00	10.40	Peak

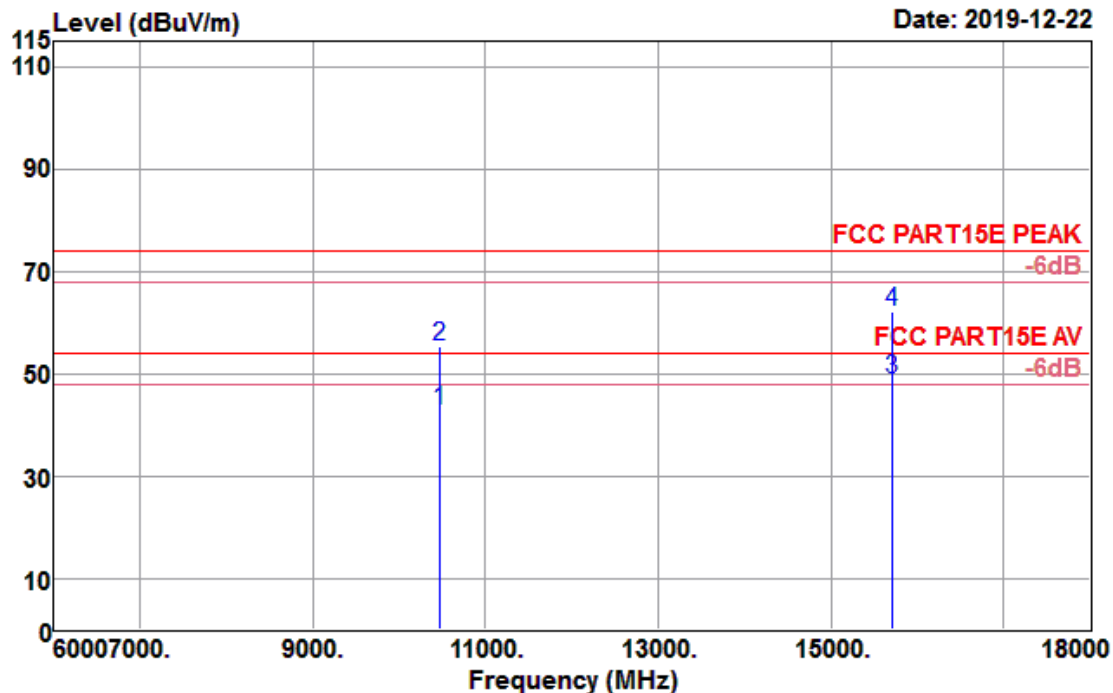
Test Mode :	802.11a CH48 5240MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Horizontal

Data: 254



Data: 255

Date: 2019-12-22

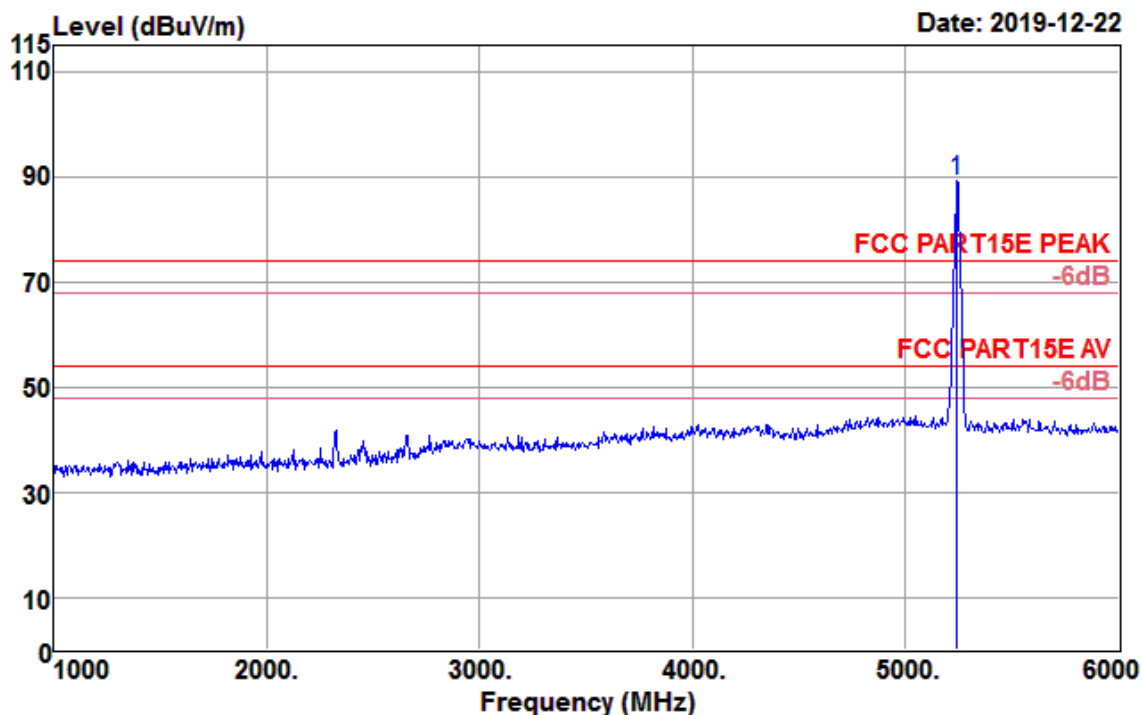


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10480.000	26.80	39.36	12.07	35.34	42.89	54.00	-11.11	Average
10480.000	39.30	39.36	12.07	35.34	55.39	74.00	-18.61	Peak
15720.000	26.15	38.47	16.15	31.81	48.96	54.00	-5.04	Average
15720.000	39.42	38.47	16.15	31.81	62.23	74.00	-11.77	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH48 5240MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Vertical

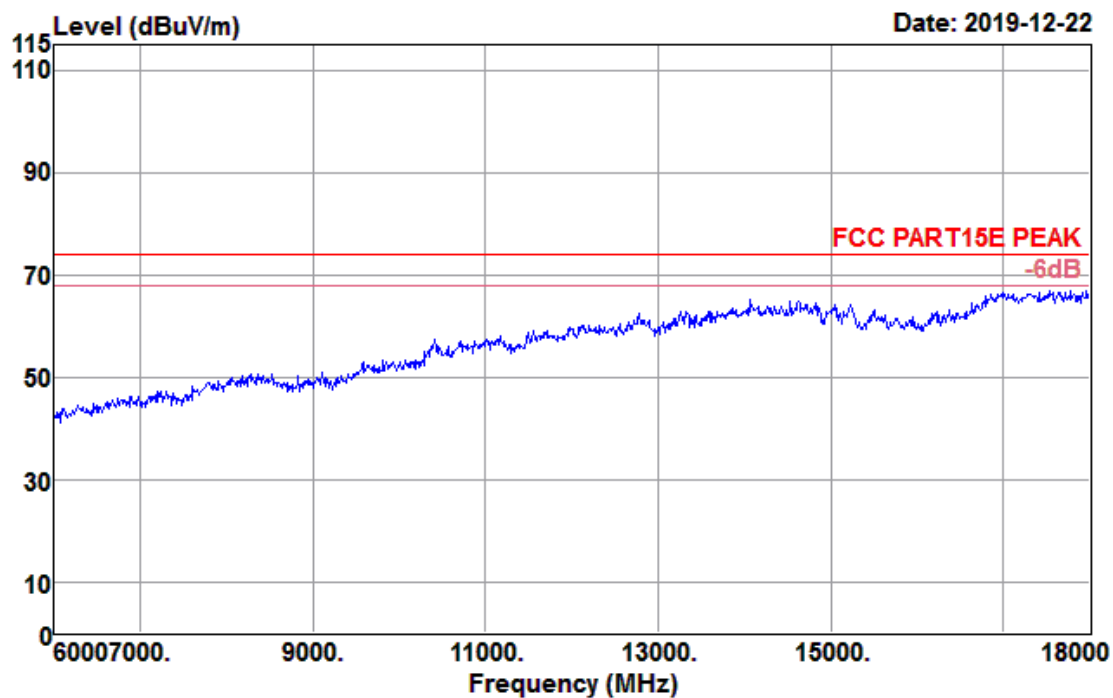
Data: 261



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5240.000	86.62	31.89	5.70	35.11	89.10	74.00	15.10	Peak

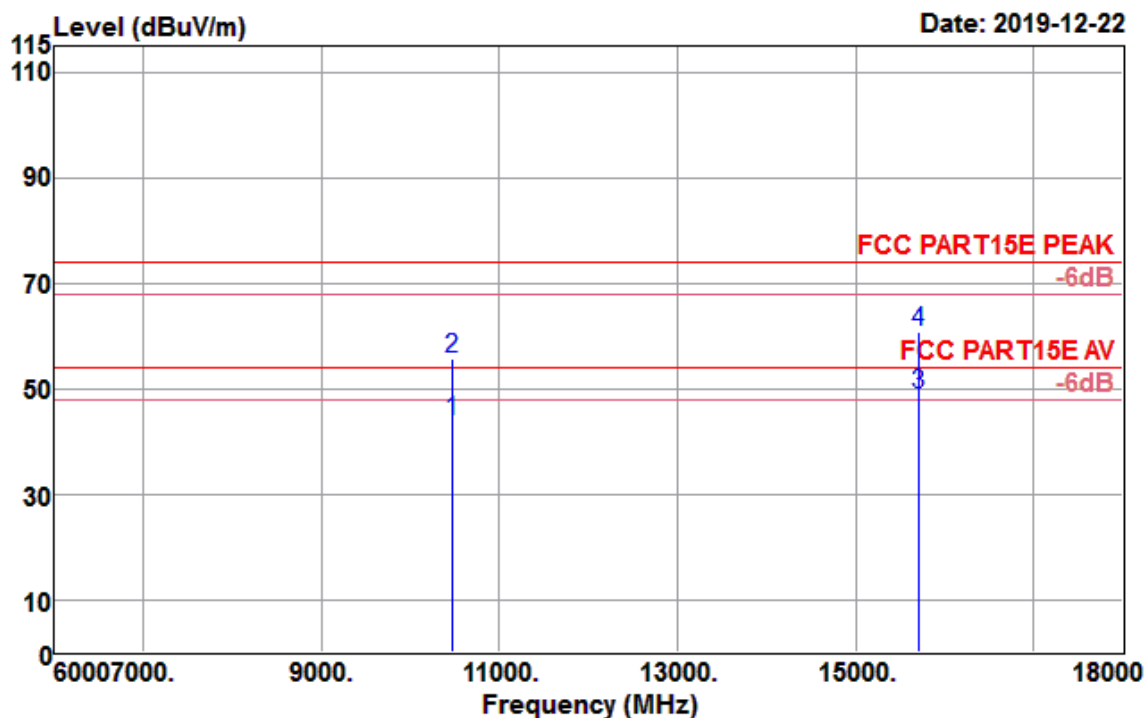
Test Mode :	802.11a CH48 5240MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Vertical

Data: 252



Data: 253

Date: 2019-12-22

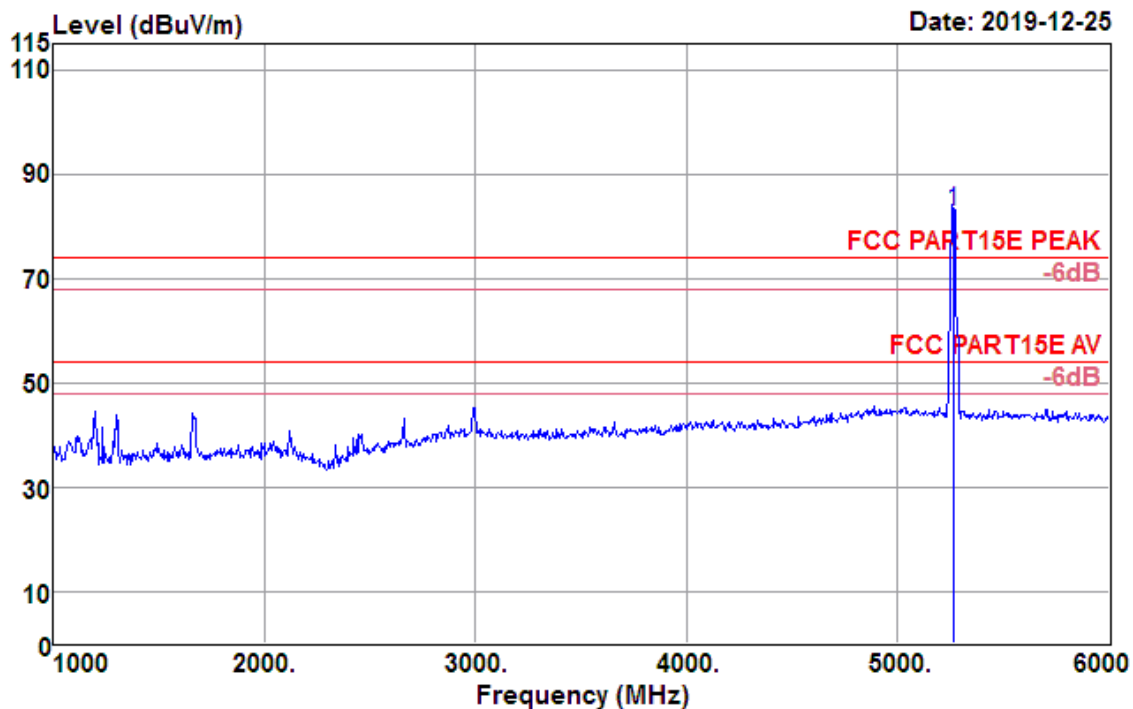


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10480.000	27.64	39.36	12.07	35.34	43.73	54.00	-10.27	Average
10480.000	39.39	39.36	12.07	35.34	55.48	74.00	-18.52	Peak
15720.000	26.17	38.47	16.15	31.81	48.98	54.00	-5.02	Average
15720.000	37.94	38.47	16.15	31.81	60.75	74.00	-13.25	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH52 5260MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Horizontal

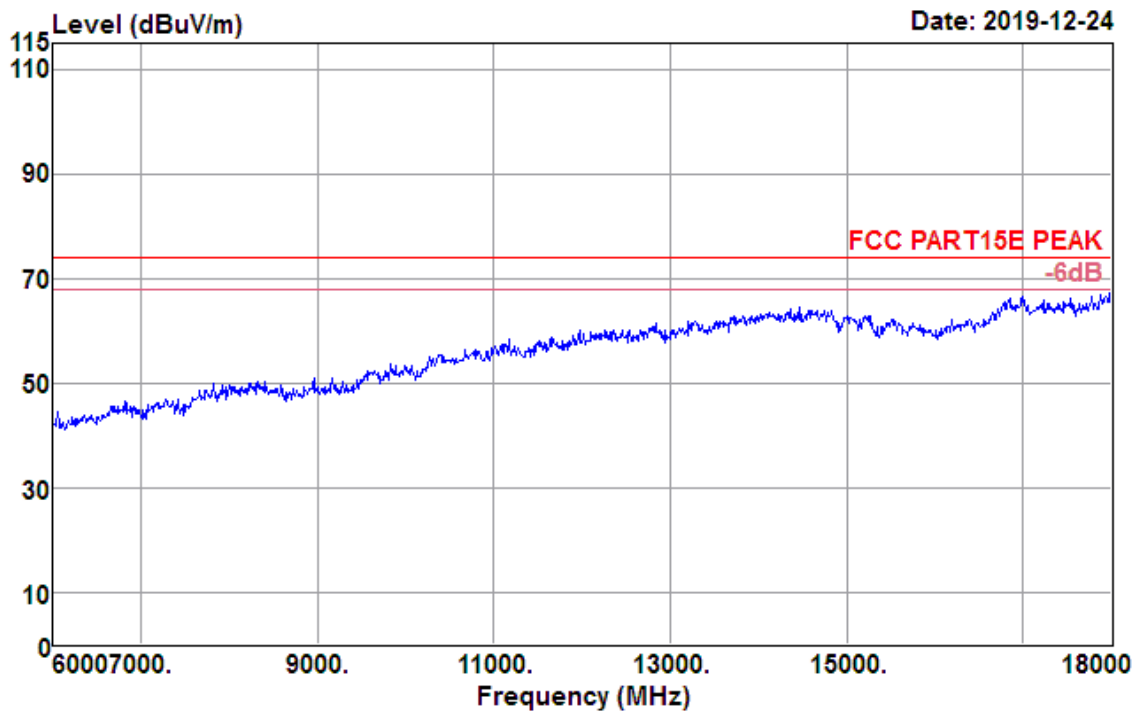
Data: 15



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5260.000	80.36	31.91	5.71	35.14	82.84	74.00	8.84	Peak

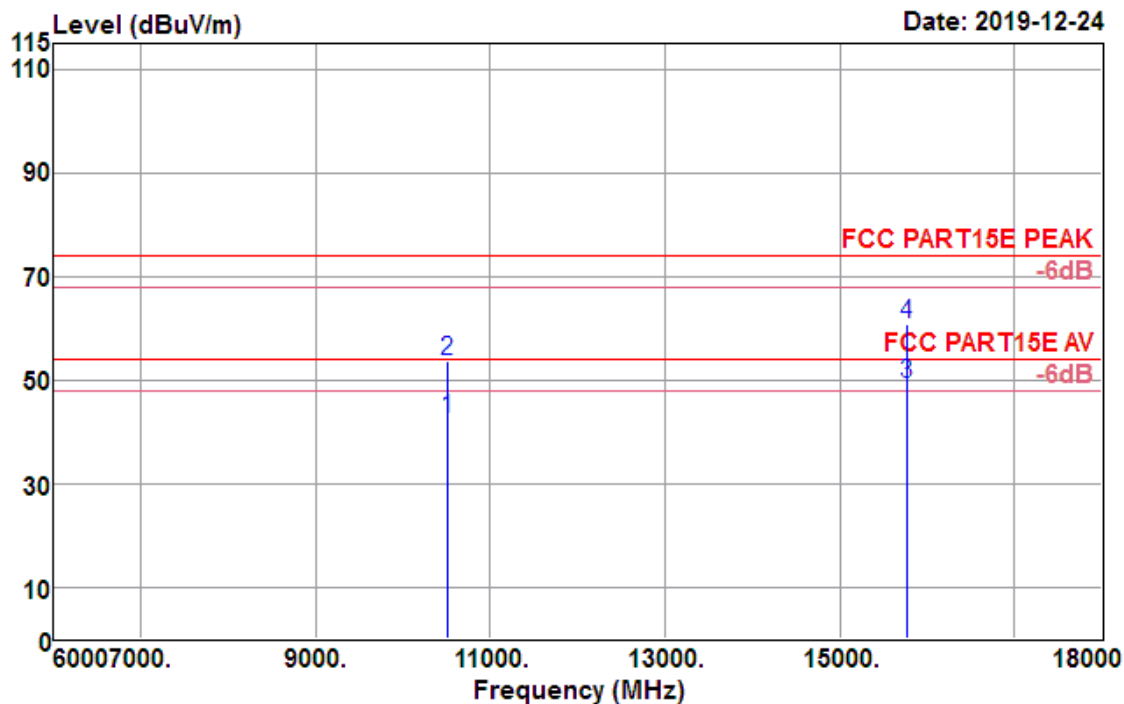
Test Mode :	802.11a CH52 5260MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Horizontal

Data: 11



Data: 12

Date: 2019-12-24

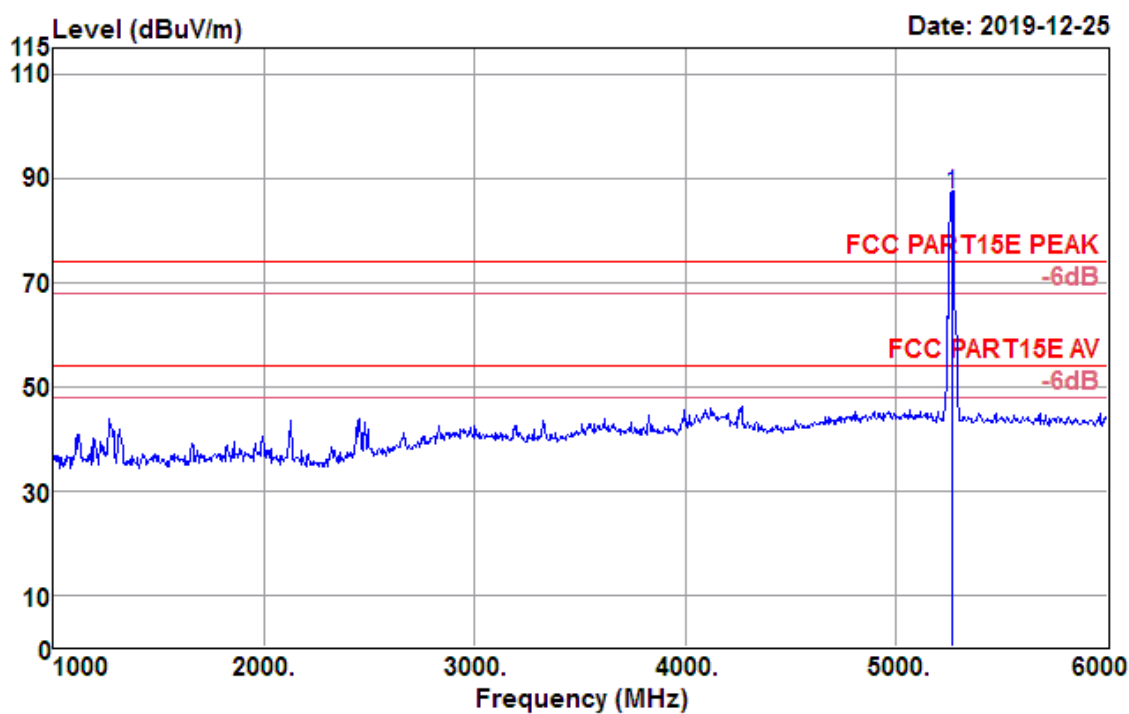


Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV/m	Limit level dBUV/m	Over limit dB	Remark
10520.000	26.13	39.44	12.12	35.26	42.43	54.00	-11.57	Average
10520.000	37.22	39.44	12.12	35.26	53.52	74.00	-20.48	Peak
15780.000	26.78	38.28	16.09	31.79	49.36	54.00	-4.64	Average
15780.000	38.13	38.28	16.09	31.79	60.71	74.00	-13.29	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH52 5260MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Vertical

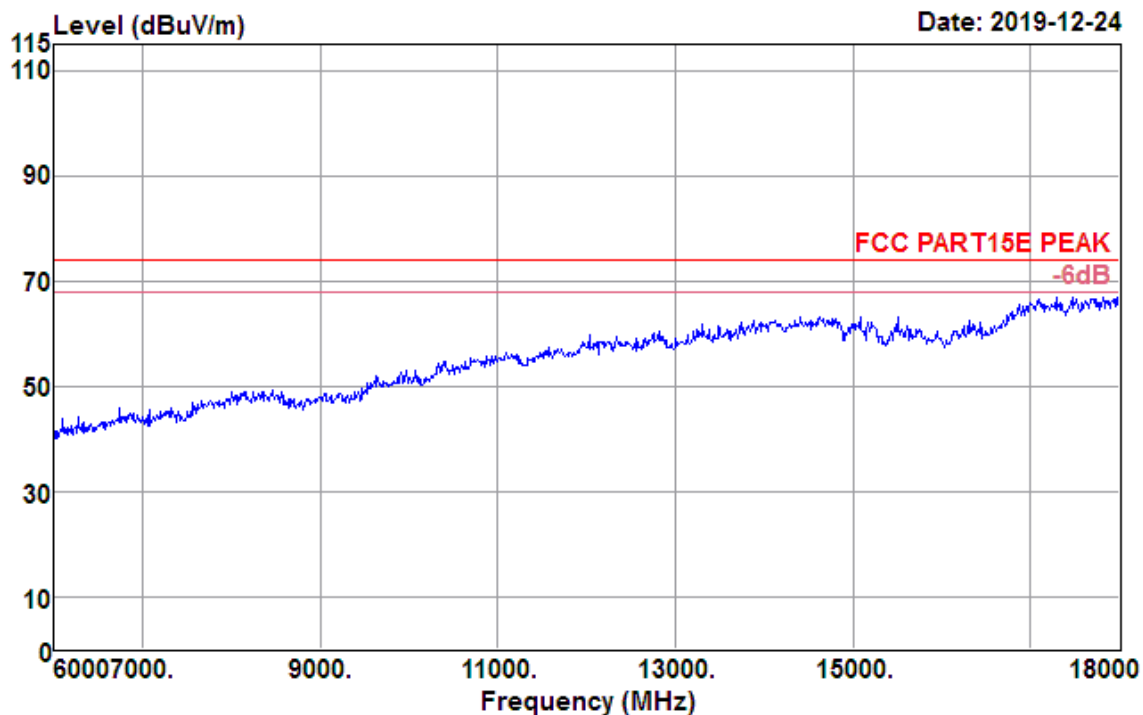
Data: 16



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5260.000	84.44	31.91	5.71	35.14	86.92	74.00	12.92	Peak

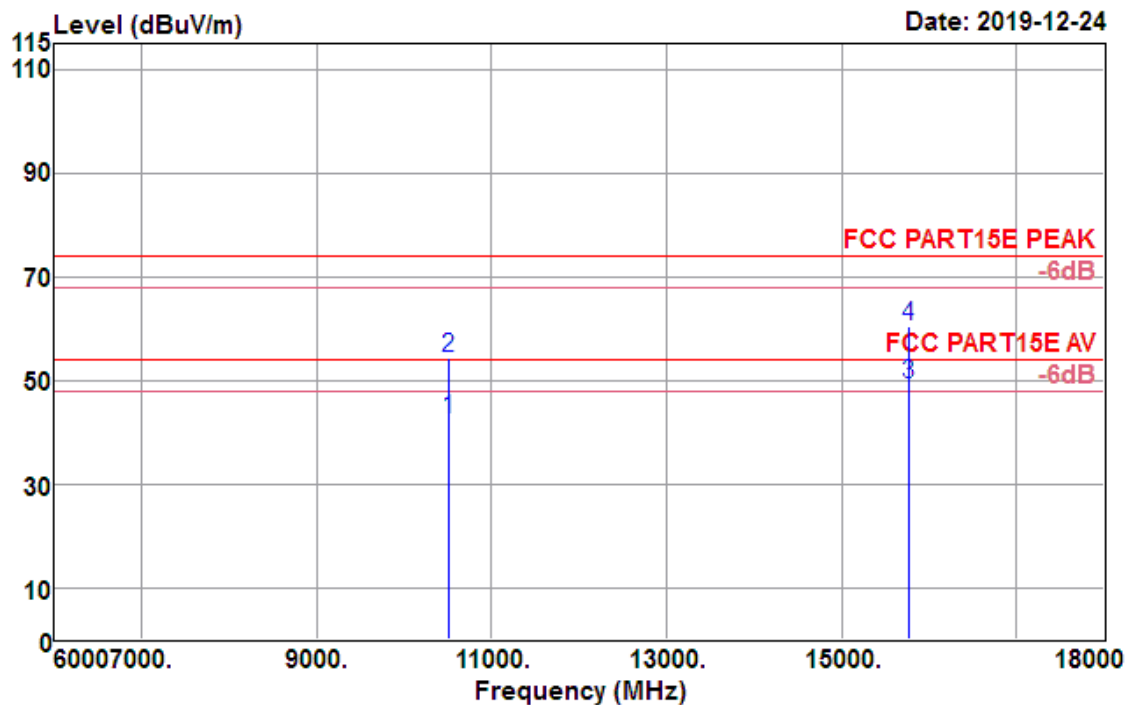
Test Mode :	802.11a CH52 5260MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Vertical

Data: 13



Data: 14

Date: 2019-12-24

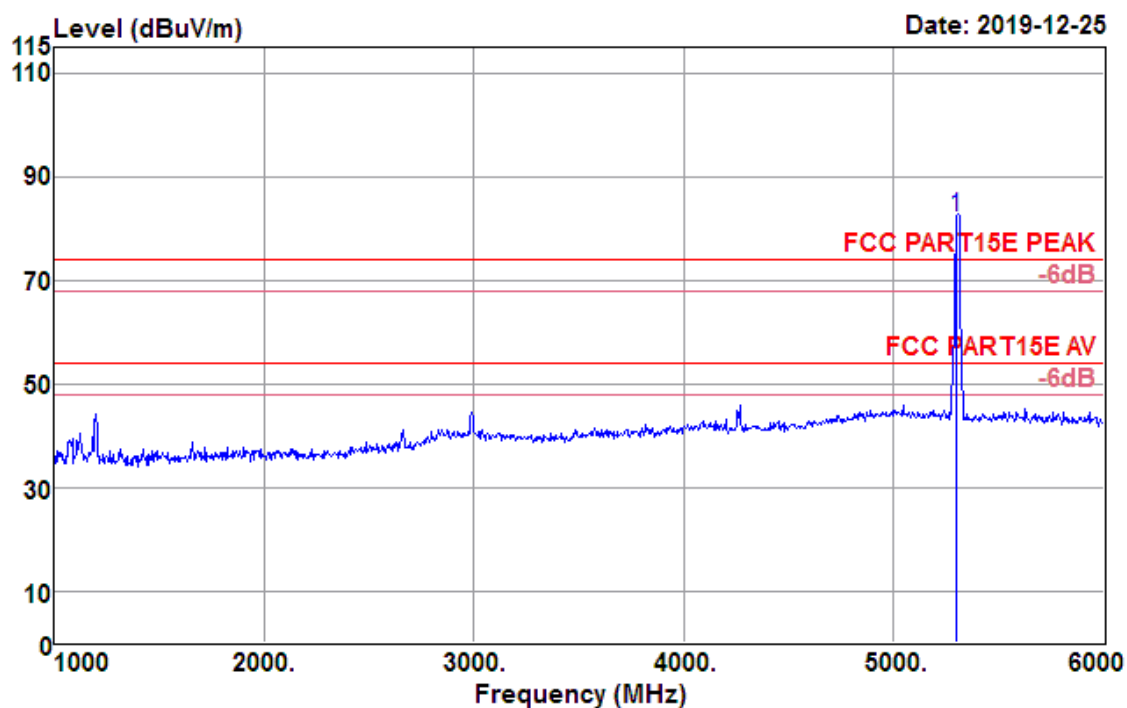


Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBUV/m	Limit level dBUV/m	Over limit dB	Remark
10520.000	26.11	39.44	12.12	35.26	42.41	54.00	-11.59	Average
10520.000	37.91	39.44	12.12	35.26	54.21	74.00	-19.79	Peak
15780.000	26.61	38.28	16.09	31.79	49.19	54.00	-4.81	Average
15780.000	37.89	38.28	16.09	31.79	60.47	74.00	-13.53	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH60 5300MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Horizontal

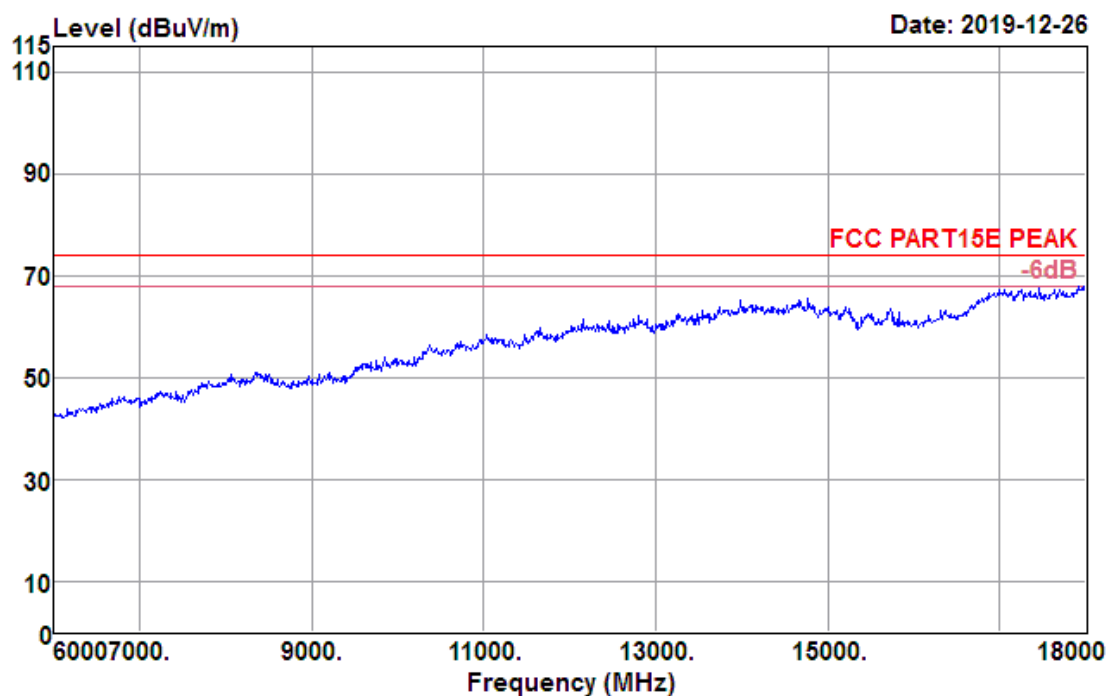
Data: 22



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5300.000	79.79	31.94	5.71	35.21	82.23	74.00	8.23	Peak

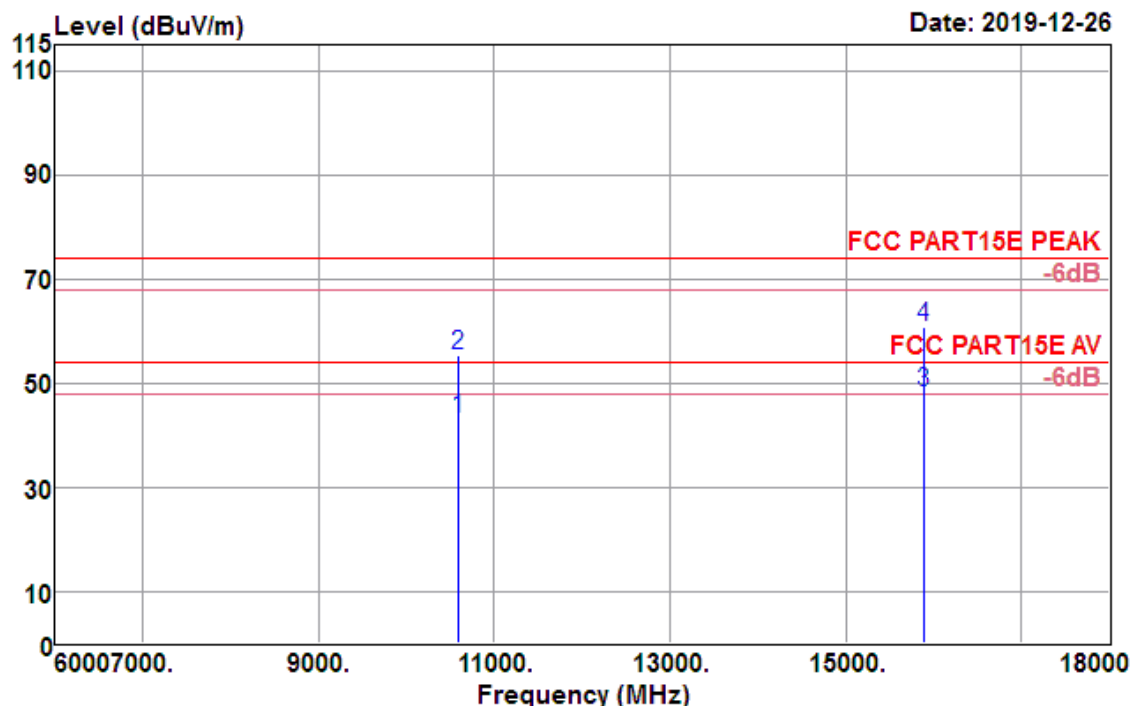
Test Mode :	802.11a CH60 5300MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Horizontal

Data: 109



Data: 110

Date: 2019-12-26

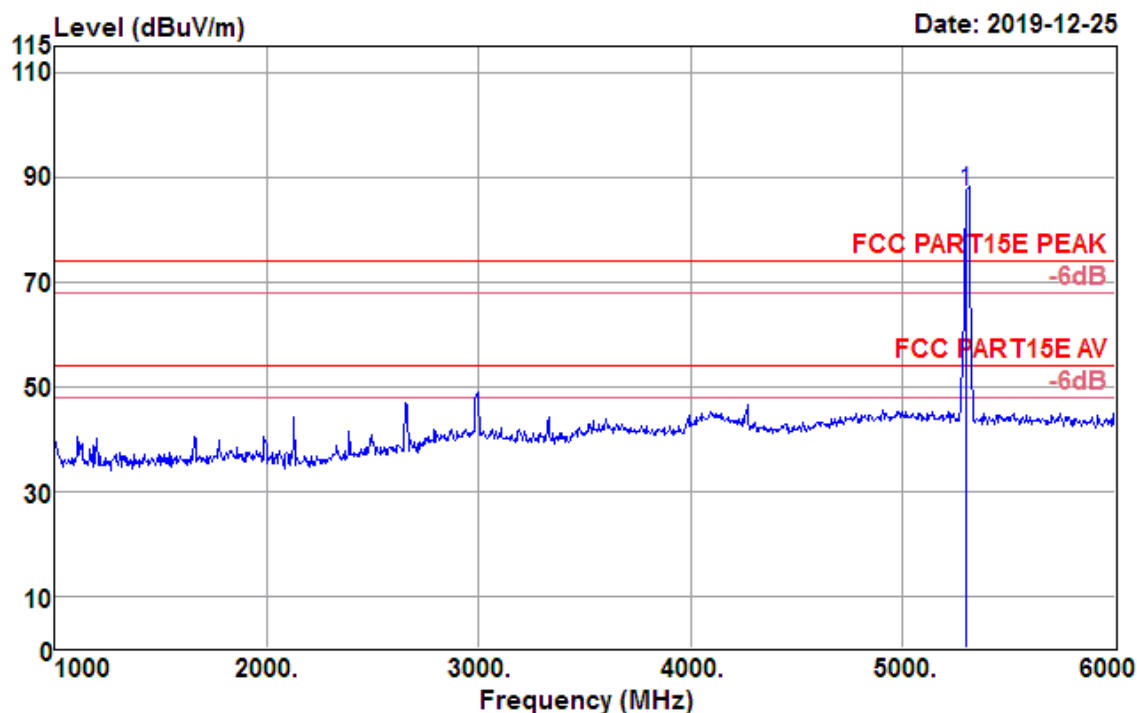


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10600.000	26.37	39.58	12.22	35.08	43.09	54.00	-10.91	Average
10600.000	38.64	39.58	12.22	35.08	55.36	74.00	-18.64	Peak
15900.000	26.04	37.91	15.96	31.74	48.17	54.00	-5.83	Average
15900.000	38.53	37.91	15.96	31.74	60.66	74.00	-13.34	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH60 5300MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Vertical

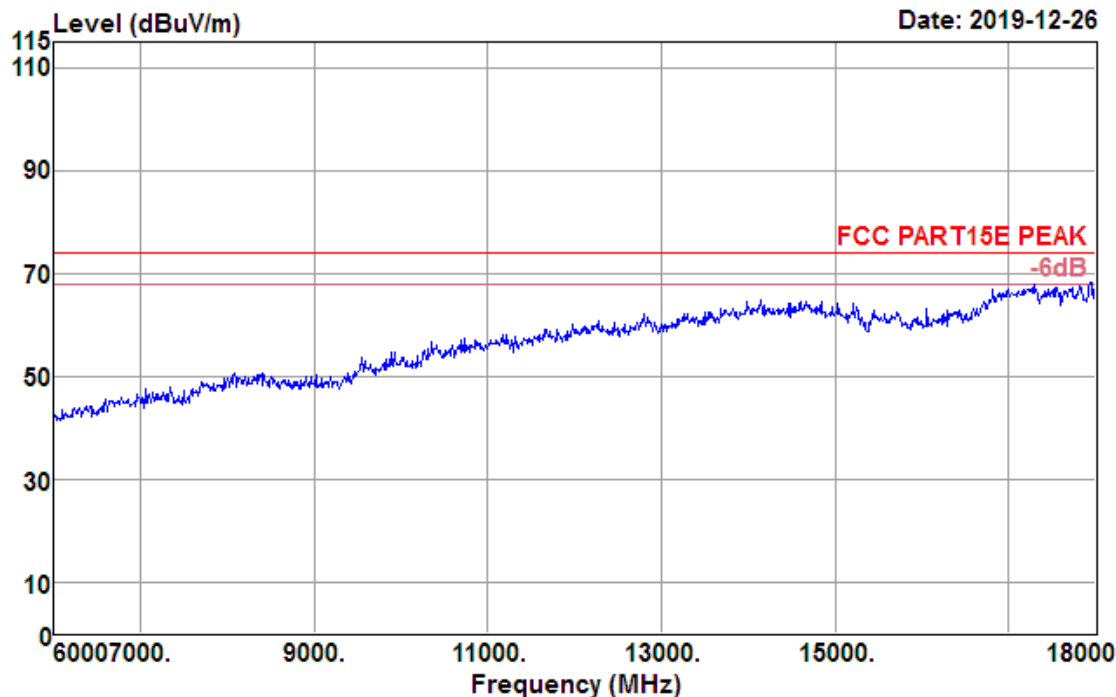
Data: 21



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5300.000	84.86	31.94	5.71	35.21	87.30	74.00	13.30	Peak

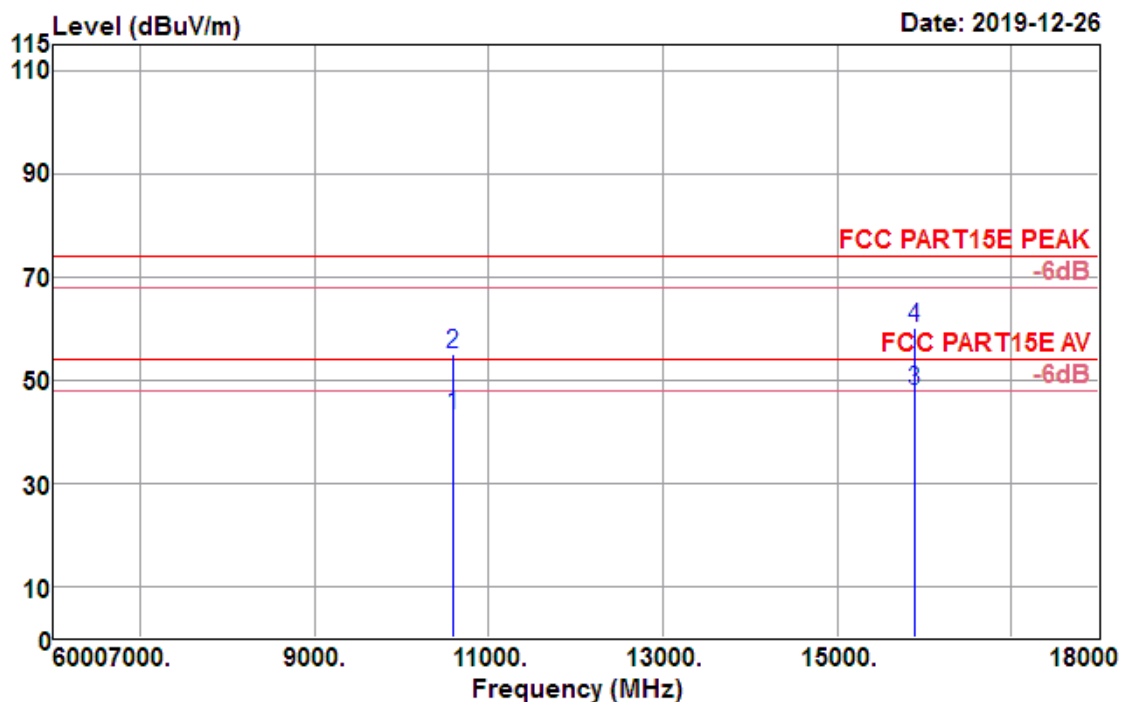
Test Mode :	802.11a CH60 5300MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Vertical

Data: 111



Data: 112

Date: 2019-12-26

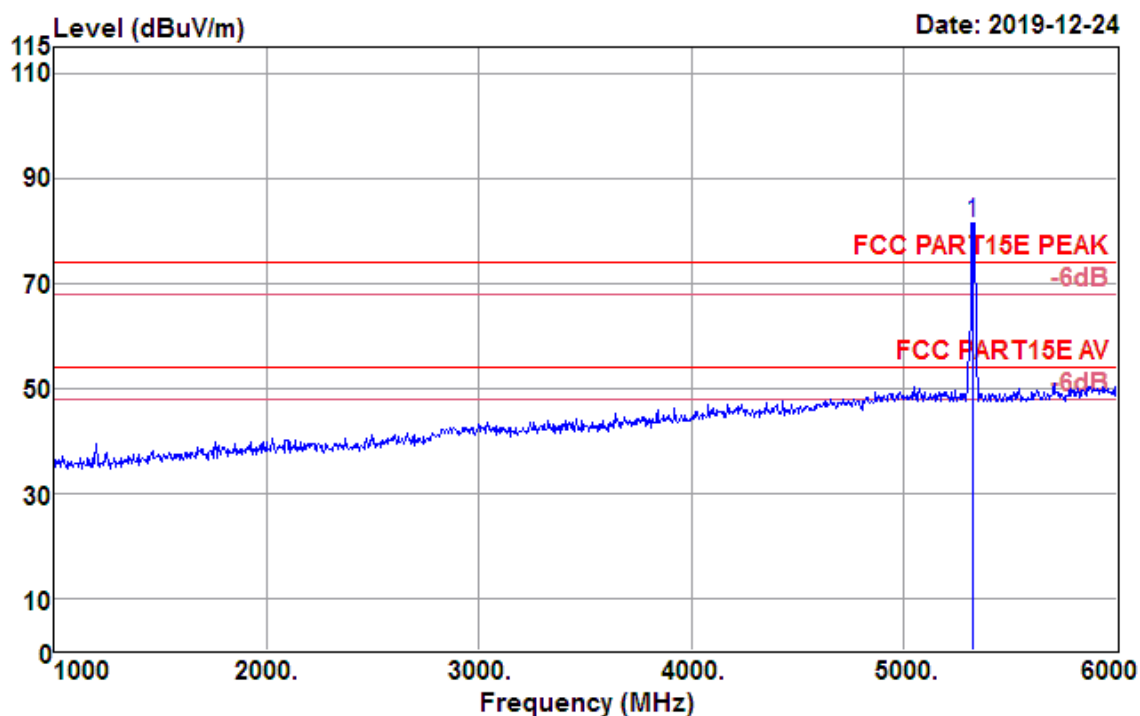


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10600.000	26.50	39.58	12.22	35.08	43.22	54.00	-10.78	Average
10600.000	38.20	39.58	12.22	35.08	54.92	74.00	-19.08	Peak
15900.000	25.81	37.91	15.96	31.74	47.94	54.00	-6.06	Average
15900.000	37.89	37.91	15.96	31.74	60.02	74.00	-13.98	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH64 5320MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Horizontal

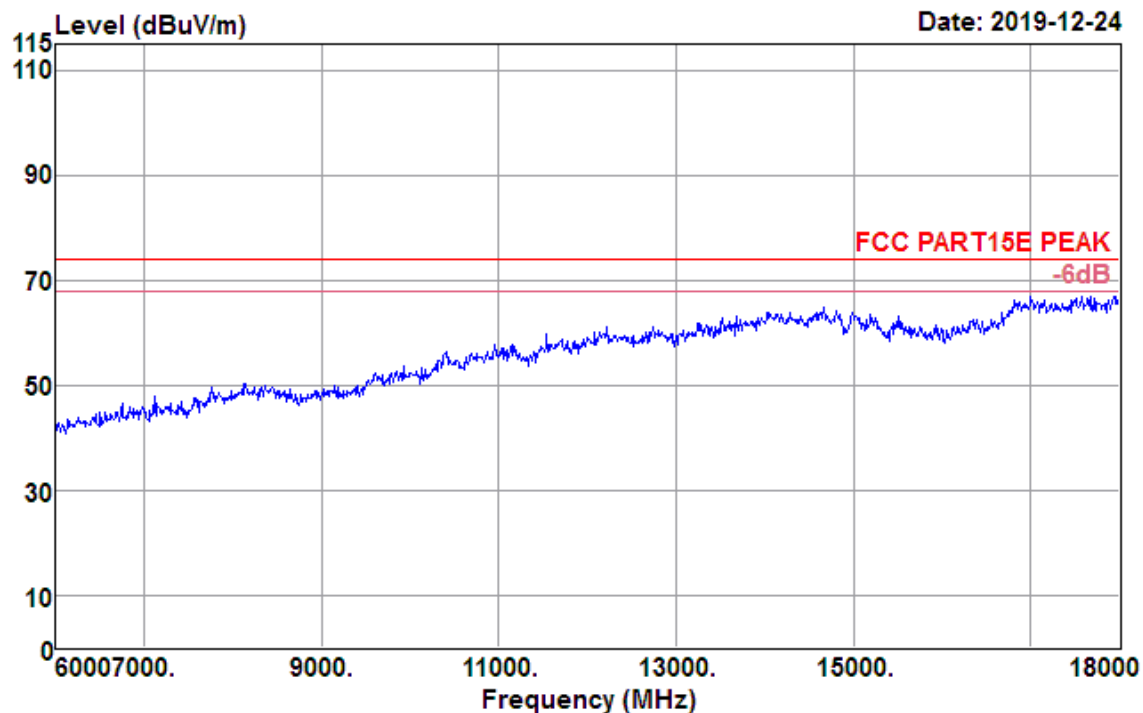
Data: 6



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5320.000	79.06	31.96	5.71	35.24	81.49	74.00	7.49	Peak

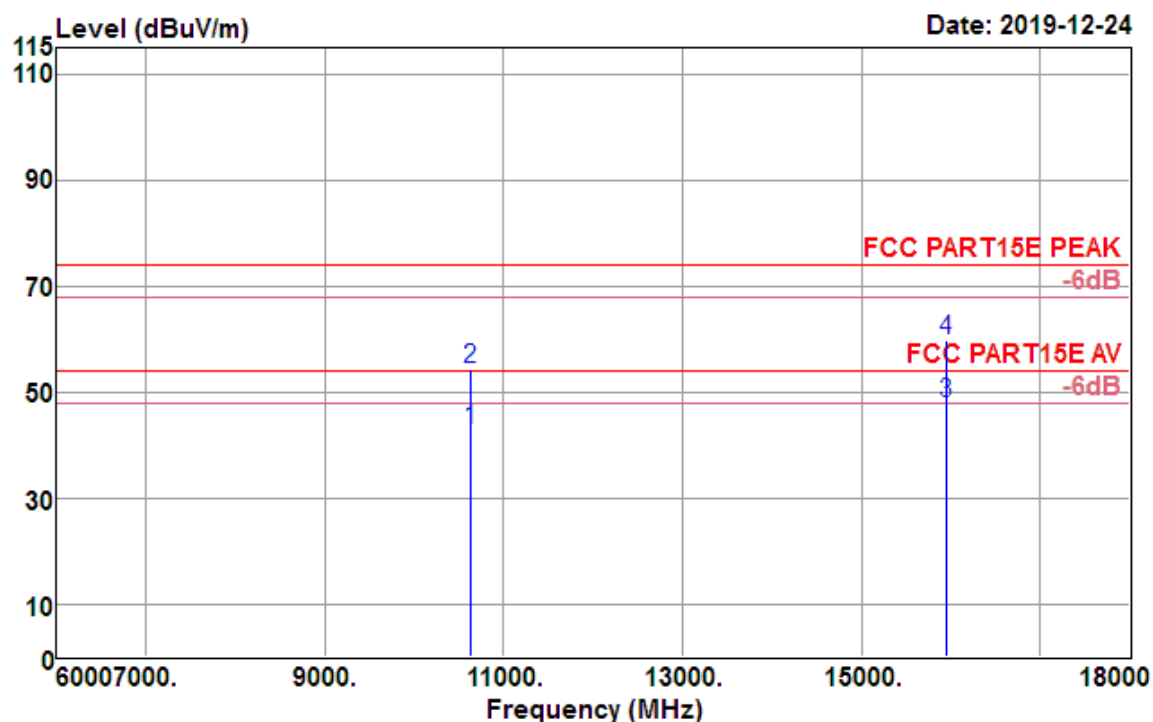
Test Mode :	802.11a CH64 5320MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Horizontal

Data: 9



Data: 10

Date: 2019-12-24

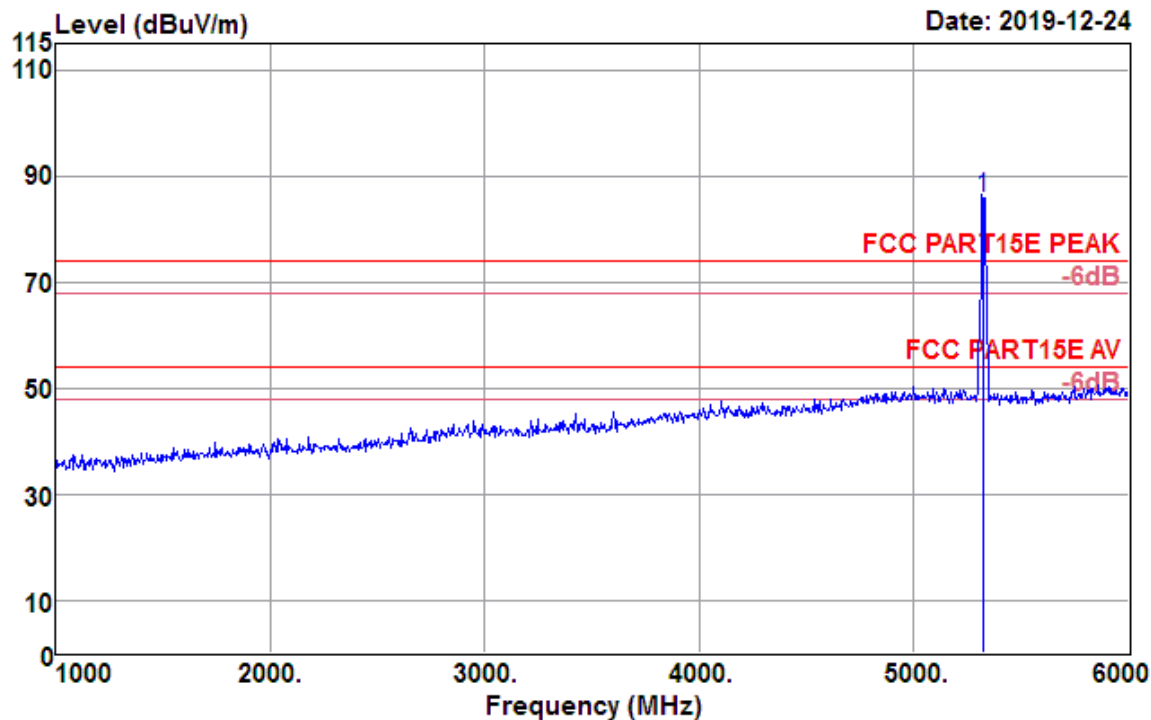


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10640.000	25.84	39.65	12.26	34.99	42.76	54.00	-11.24	Average
10640.000	37.45	39.65	12.26	34.99	54.37	74.00	-19.63	Peak
15960.000	25.85	37.72	15.90	31.72	47.75	54.00	-6.25	Average
15960.000	37.81	37.72	15.90	31.72	59.71	74.00	-14.29	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH64 5320MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Vertical

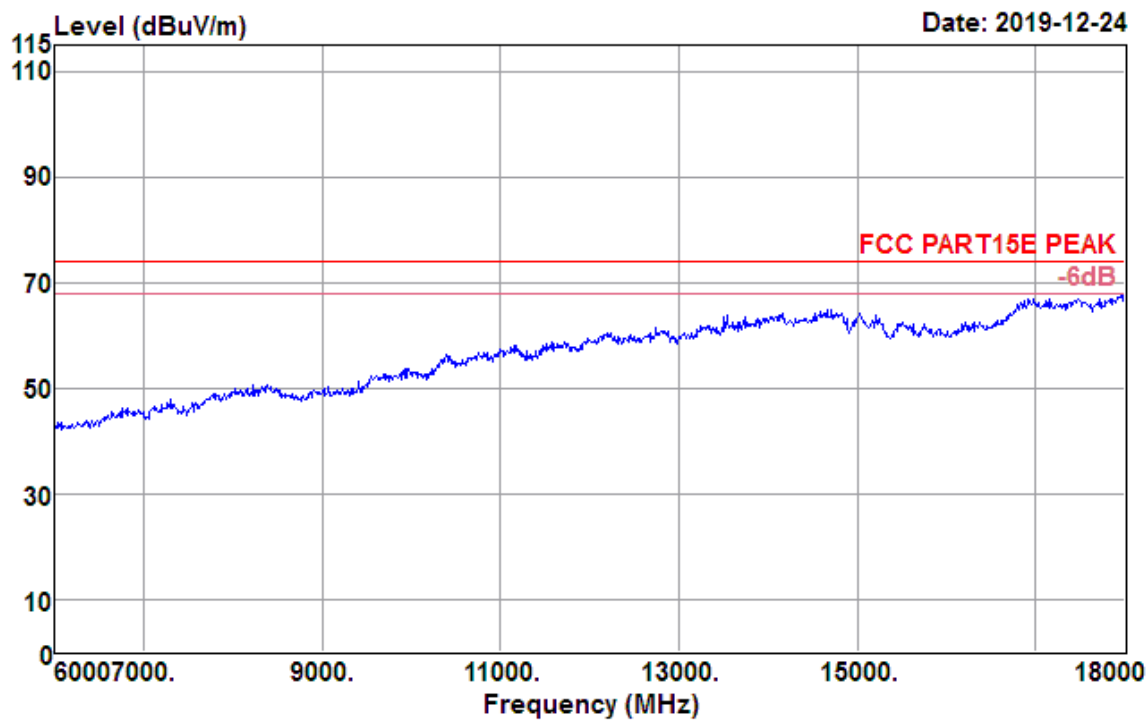
Data: 3



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5320.000	83.56	31.96	5.71	35.24	85.99	74.00	11.99	Peak

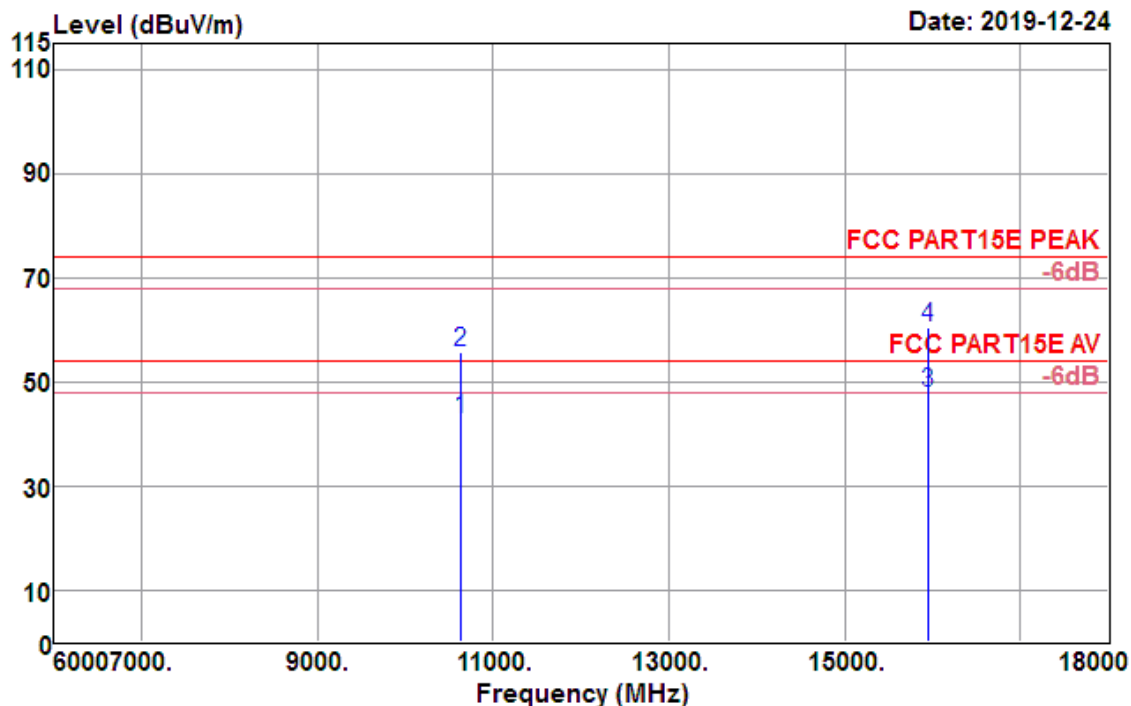
Test Mode :	802.11a CH64 5320MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Vertical

Data: 7



Data: 8

Date: 2019-12-24

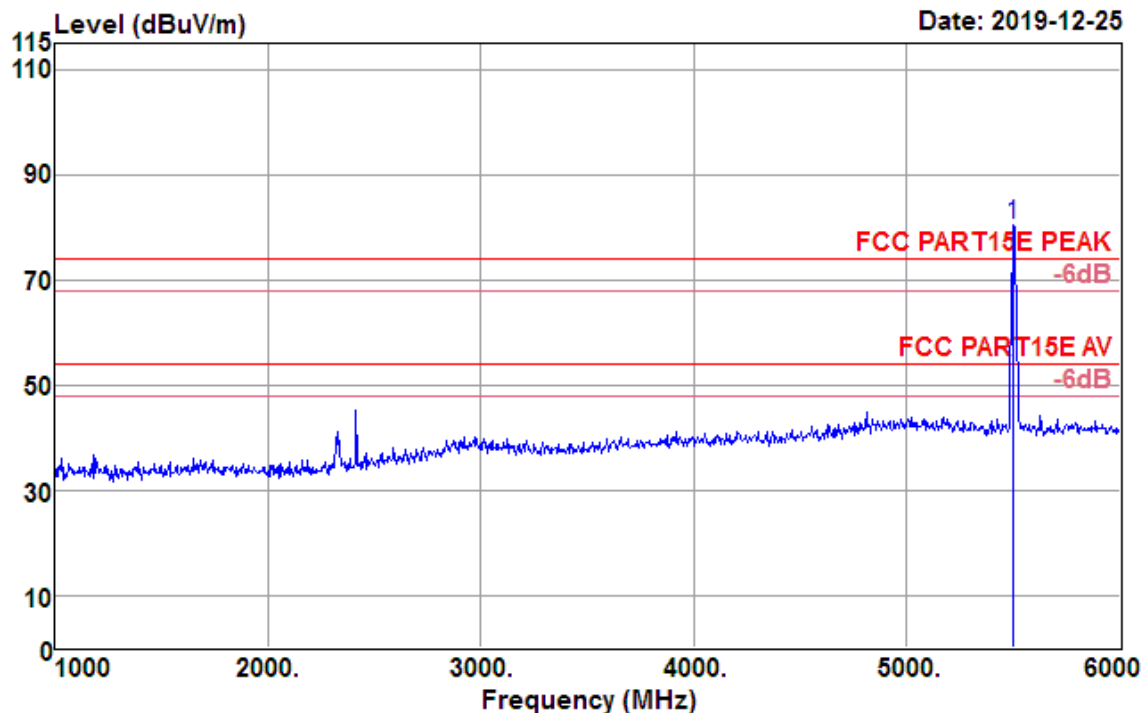


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10640.000	26.00	39.65	12.26	34.99	42.92	54.00	-11.08	Average
10640.000	38.70	39.65	12.26	34.99	55.62	74.00	-18.38	Peak
15960.000	25.98	37.72	15.90	31.72	47.88	54.00	-6.12	Average
15960.000	38.62	37.72	15.90	31.72	60.52	74.00	-13.48	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH100 5500MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Horizontal

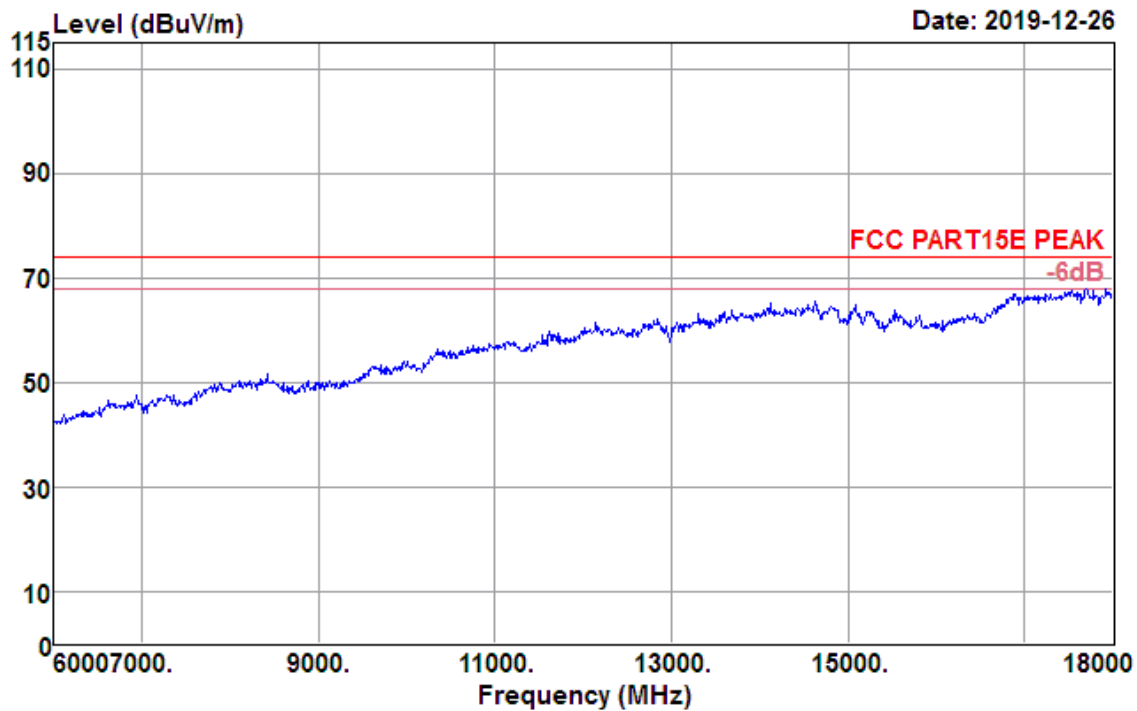
Data: 127



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5500.000	77.90	32.10	5.83	35.55	80.28	74.00	6.28	Peak

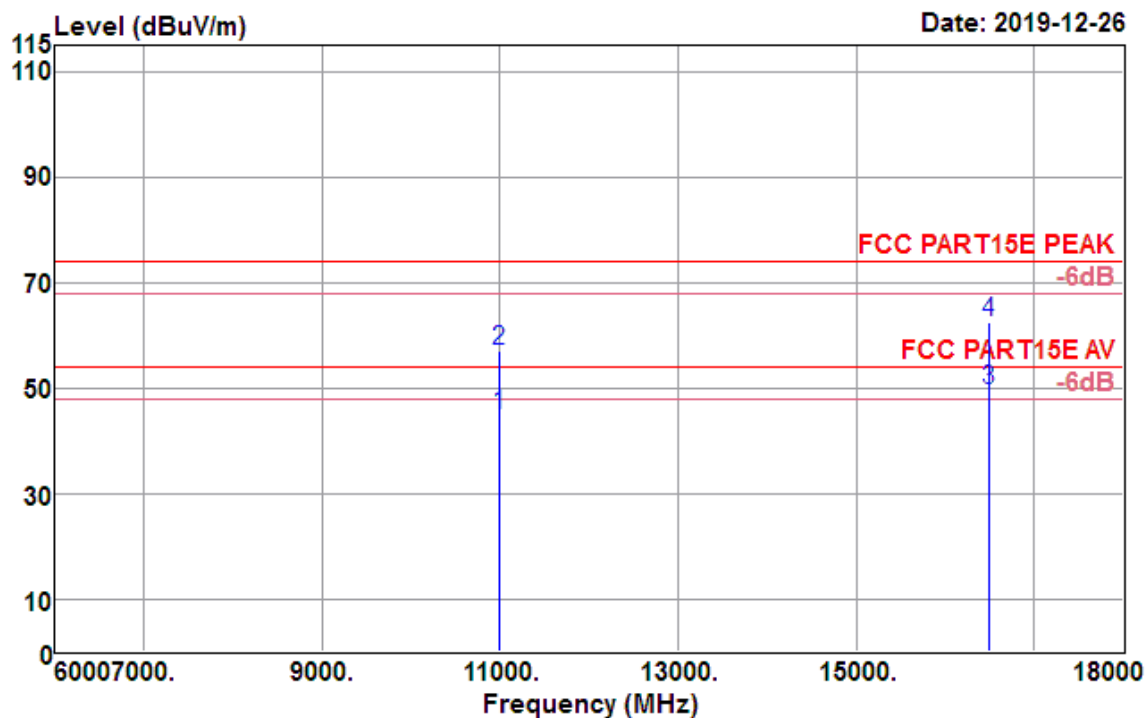
Test Mode :	802.11a CH100 5500MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Horizontal

Data: 131



Data: 132

Date: 2019-12-26

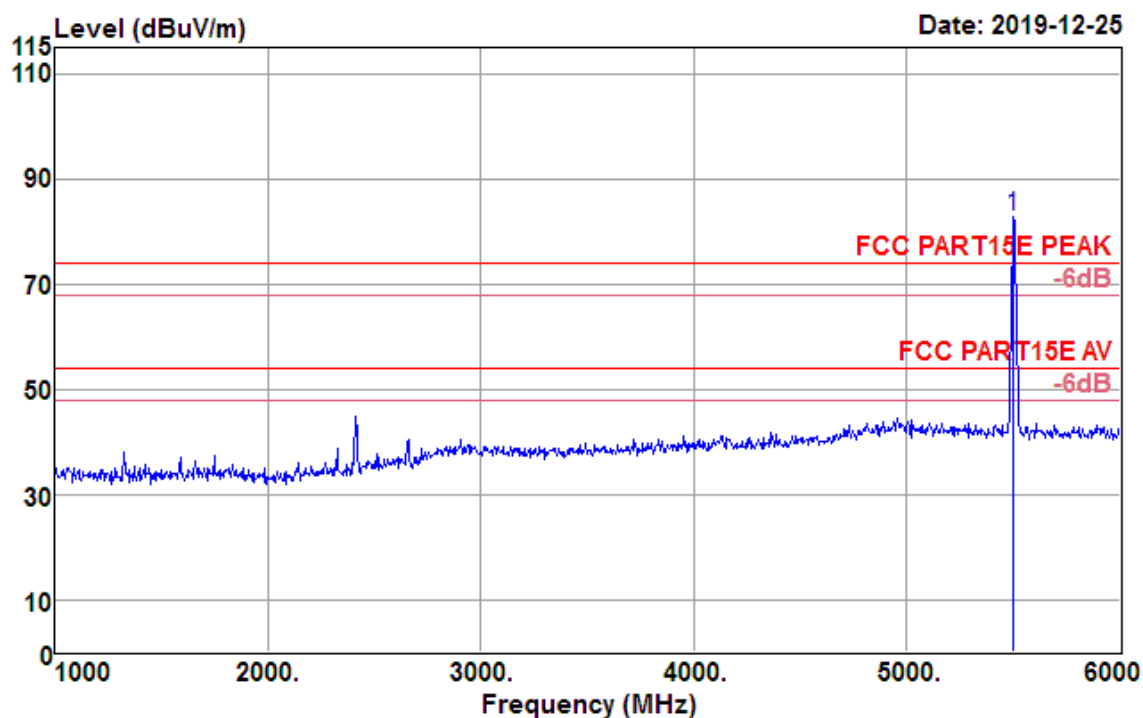


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11000.000	25.90	40.30	12.68	34.20	44.68	54.00	-9.32	Average
11000.000	38.38	40.30	12.68	34.20	57.16	74.00	-16.84	Peak
16500.000	25.97	39.55	15.61	31.45	49.68	54.00	-4.32	Average
16500.000	38.62	39.55	15.61	31.45	62.33	74.00	-11.67	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH100 5500MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Vertical

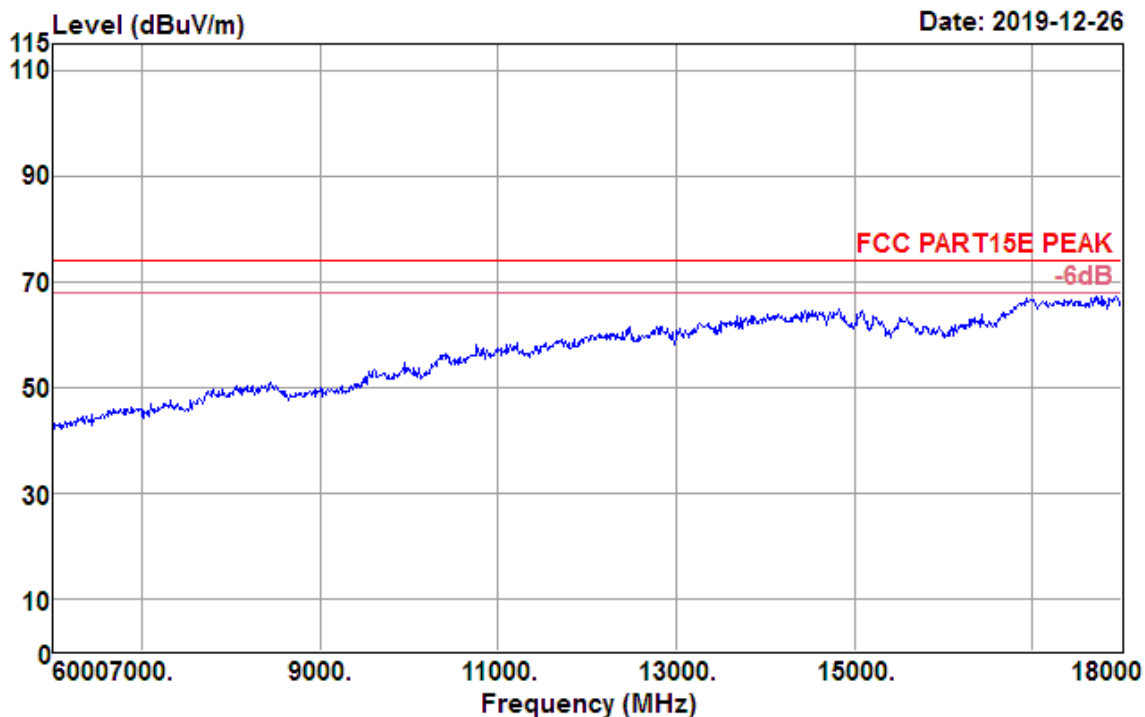
Data: 130



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5500.000	80.55	32.10	5.83	35.55	82.93	74.00	8.93	Peak

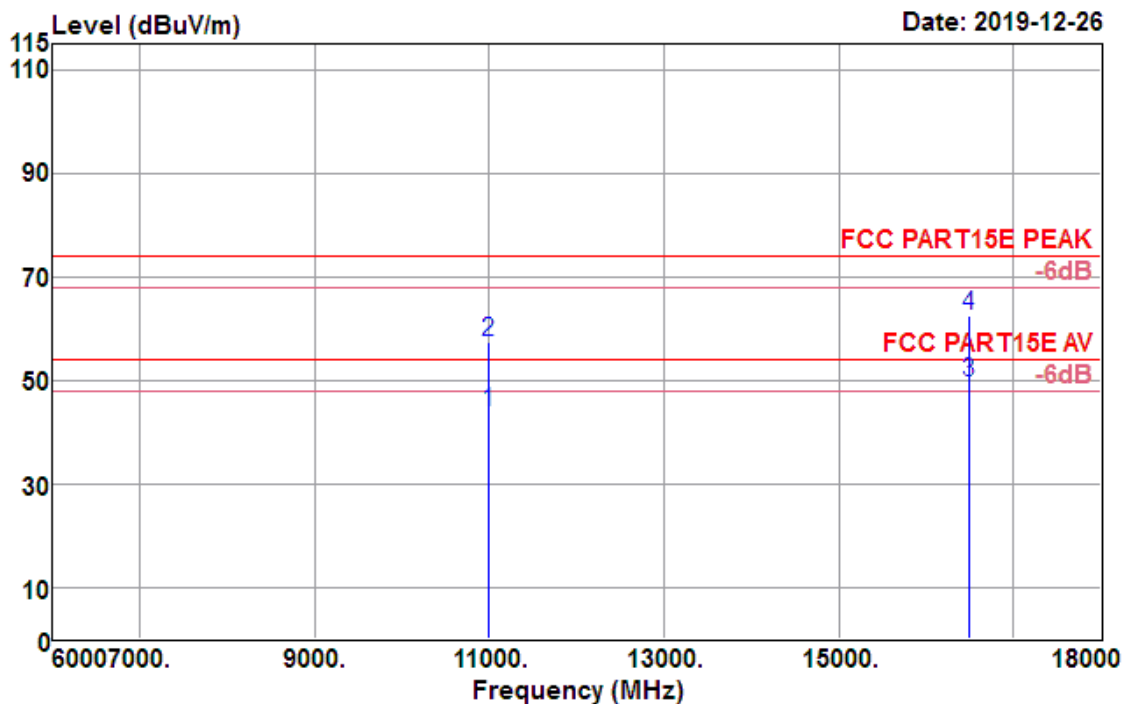
Test Mode :	802.11a CH100 5500MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Vertical

Data: 133



Data: 134

Date: 2019-12-26

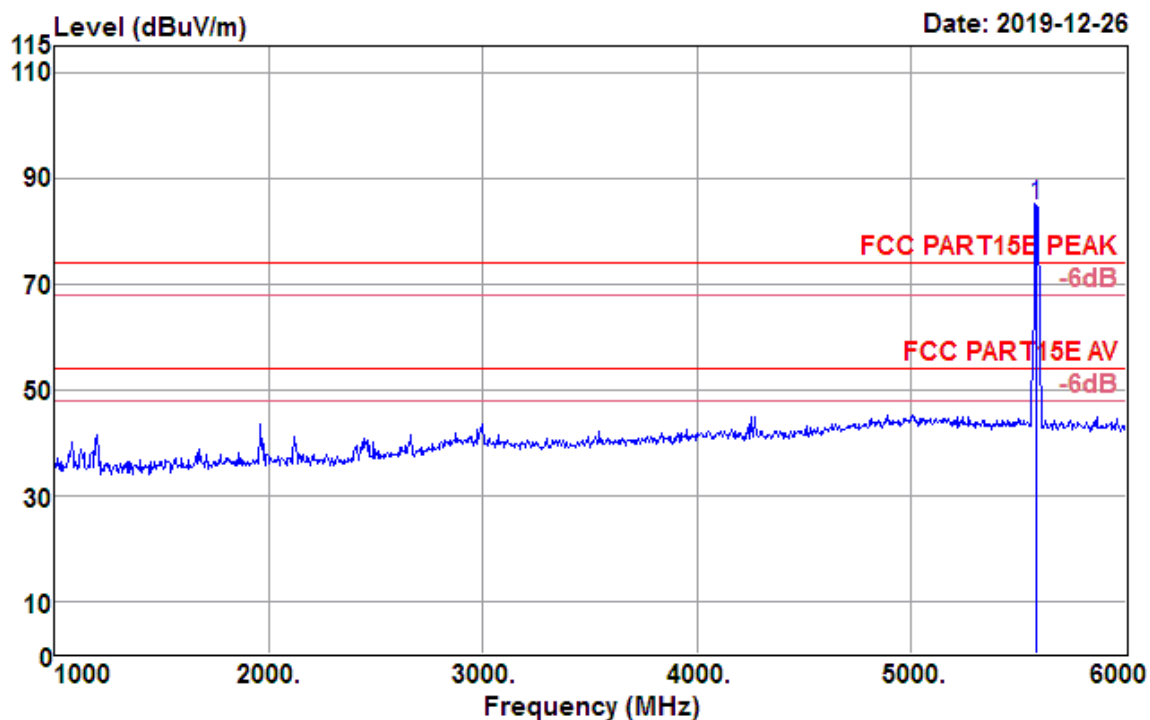


Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV/m	Limit level dBUV/m	Over limit dB	Remark
11000.000	24.95	40.30	12.68	34.20	43.73	54.00	-10.27	Average
11000.000	38.47	40.30	12.68	34.20	57.25	74.00	-16.75	Peak
16500.000	25.83	39.55	15.61	31.45	49.54	54.00	-4.46	Average
16500.000	38.77	39.55	15.61	31.45	62.48	74.00	-11.52	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH116 5580MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Horizontal

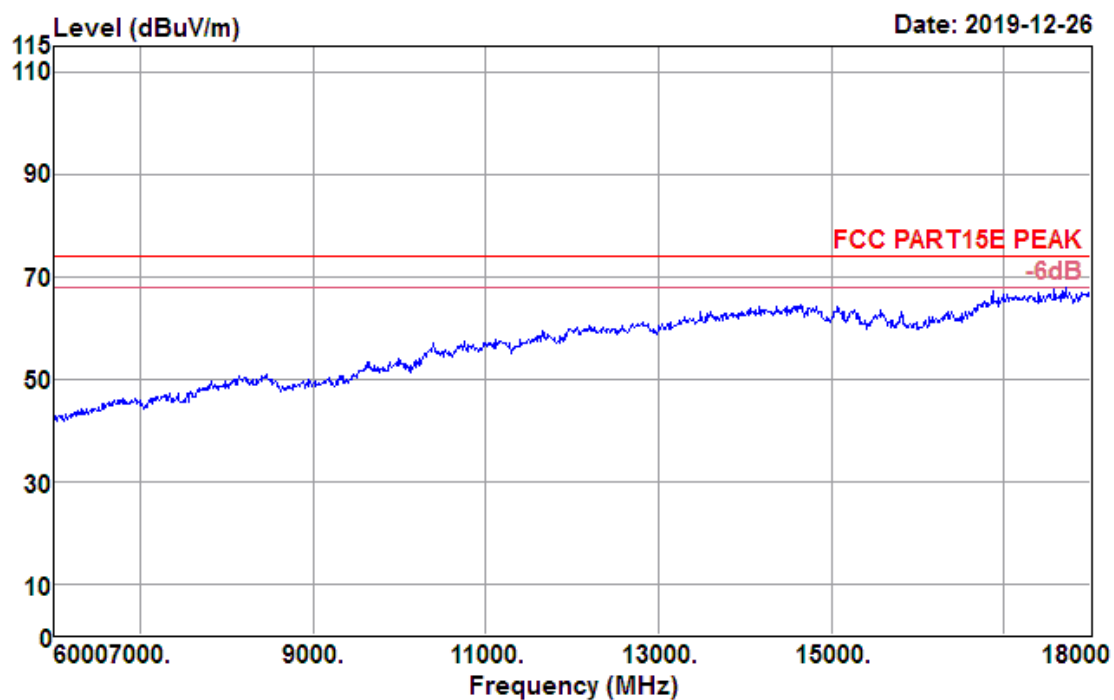
Data: 150



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5580.000	82.42	32.16	5.92	35.69	84.81	74.00	10.81	Peak

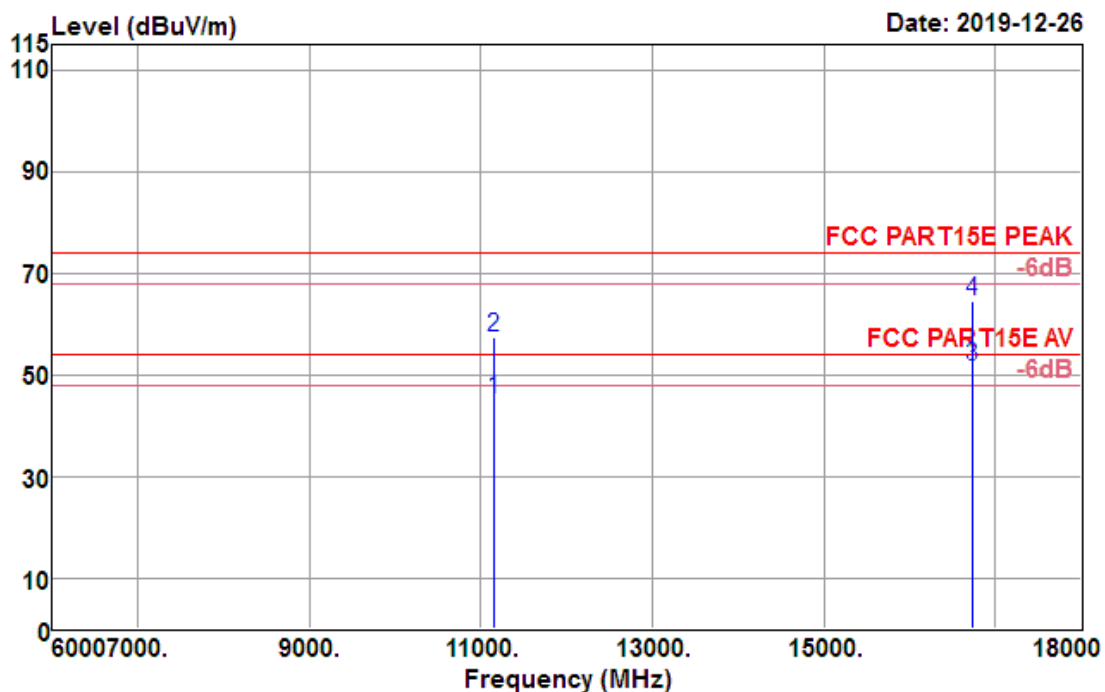
Test Mode :	802.11a CH116 5580MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Horizontal

Data: 145



Data: 146

Date: 2019-12-26

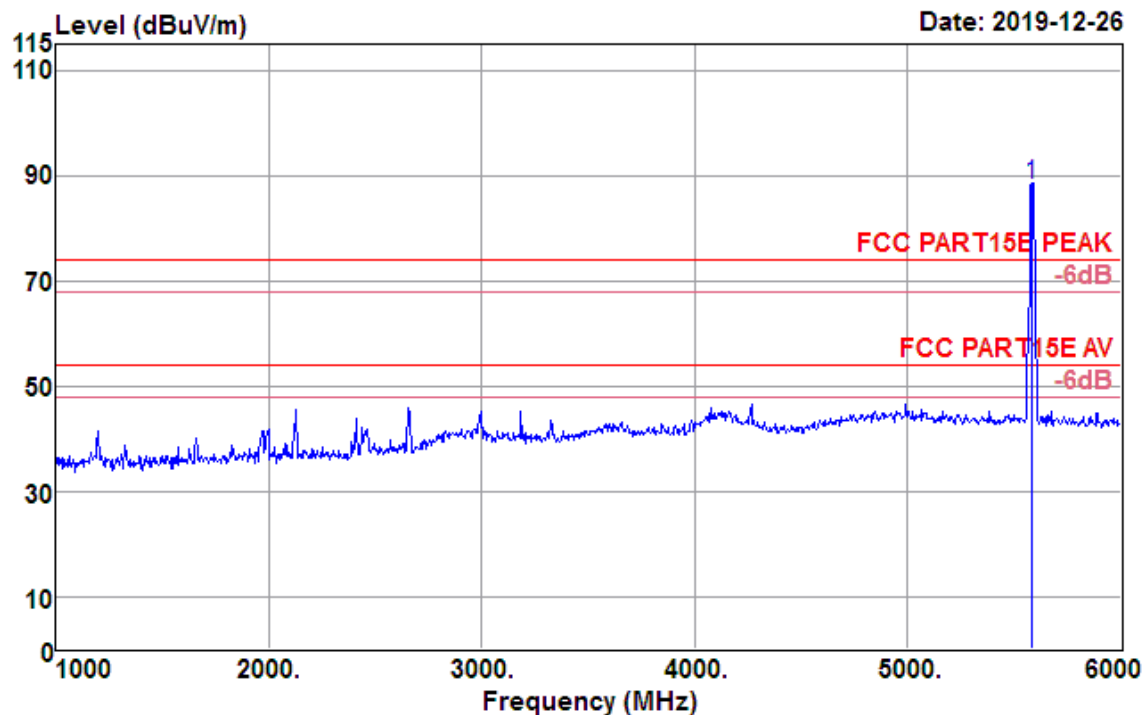


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11160.000	26.08	40.17	12.90	34.06	45.09	54.00	-8.91	Average
11160.000	38.27	40.17	12.90	34.06	57.28	74.00	-16.72	Peak
16740.000	25.01	40.49	17.34	31.33	51.51	54.00	-2.49	Average
16740.000	38.03	40.49	17.34	31.33	64.53	74.00	-9.47	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH116 5580MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Vertical

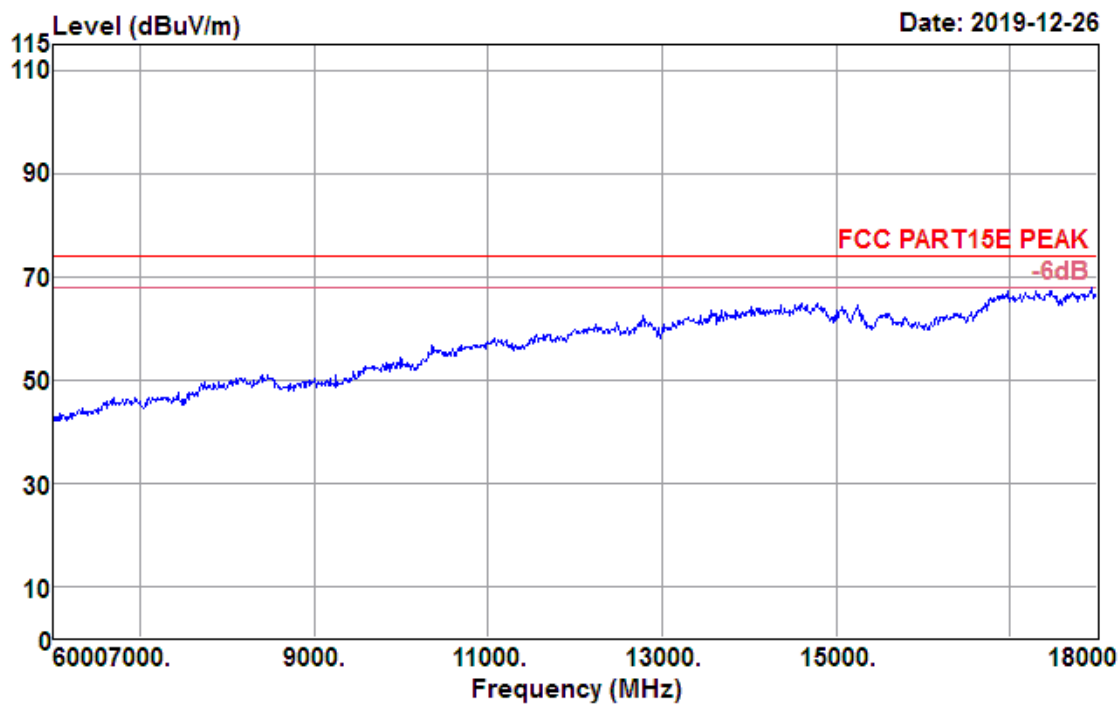
Data: 149



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5580.000	85.70	32.16	5.92	35.69	88.09	74.00	14.09	Peak

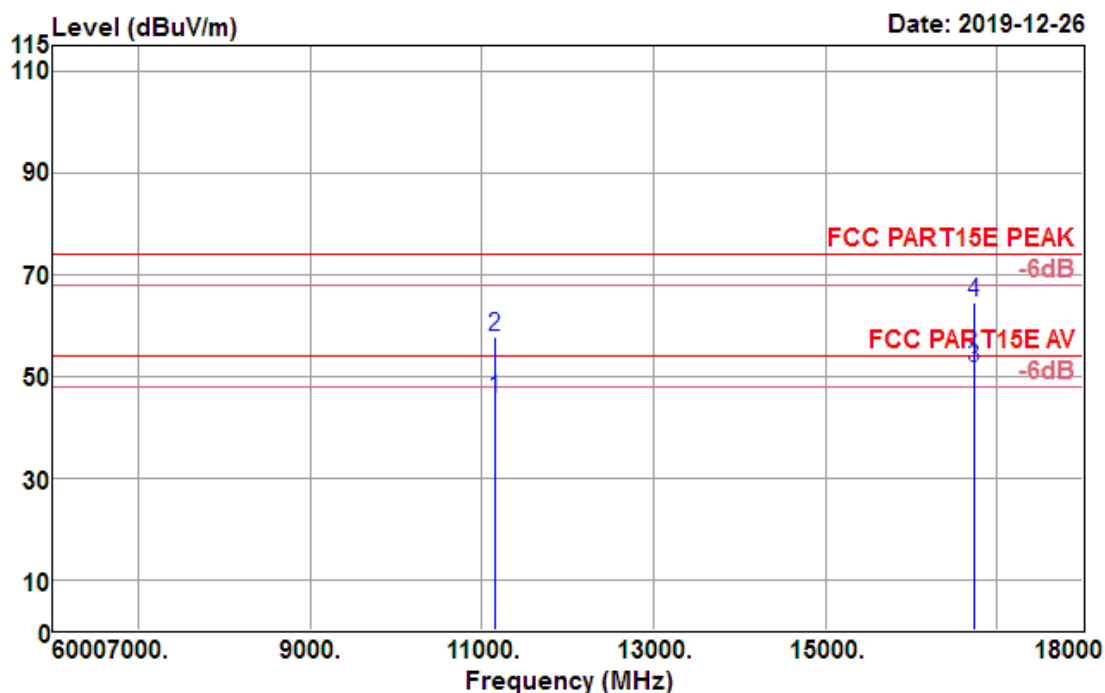
Test Mode :	802.11a CH116 5580MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Vertical

Data: 147



Data: 148

Date: 2019-12-26

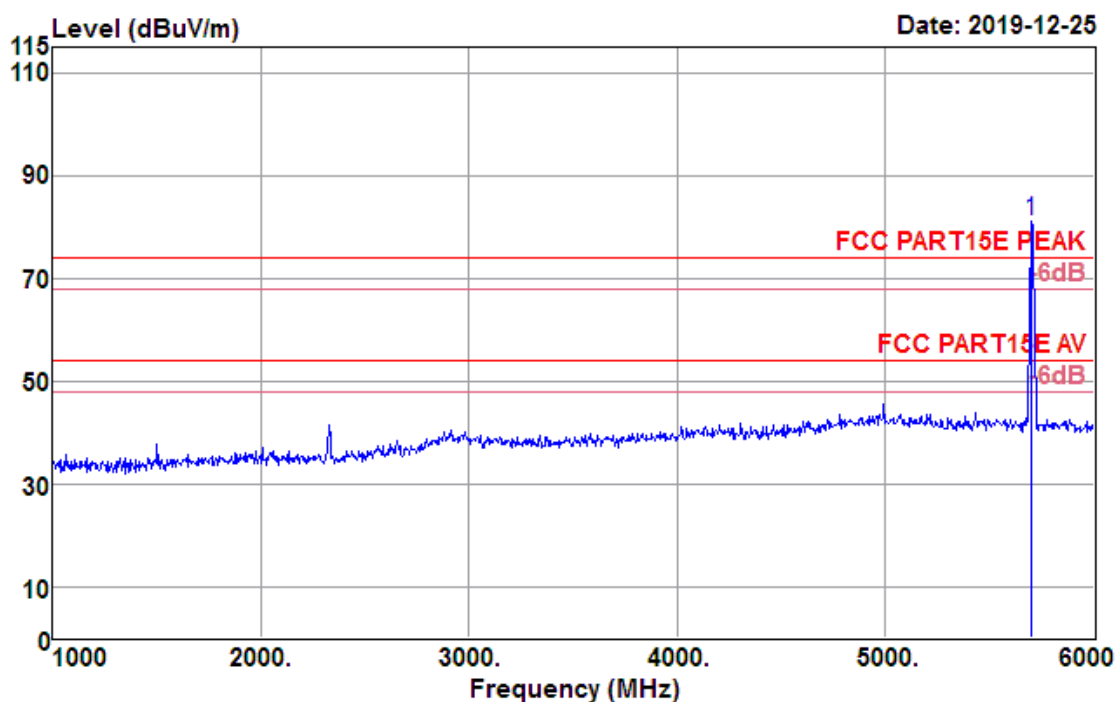


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11160.000	26.57	40.17	12.90	34.06	45.58	54.00	-8.42	Average
11160.000	38.72	40.17	12.90	34.06	57.73	74.00	-16.27	Peak
16740.000	24.92	40.49	17.34	31.33	51.42	54.00	-2.58	Average
16740.000	37.91	40.49	17.34	31.33	64.41	74.00	-9.59	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH140 5700MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Horizontal

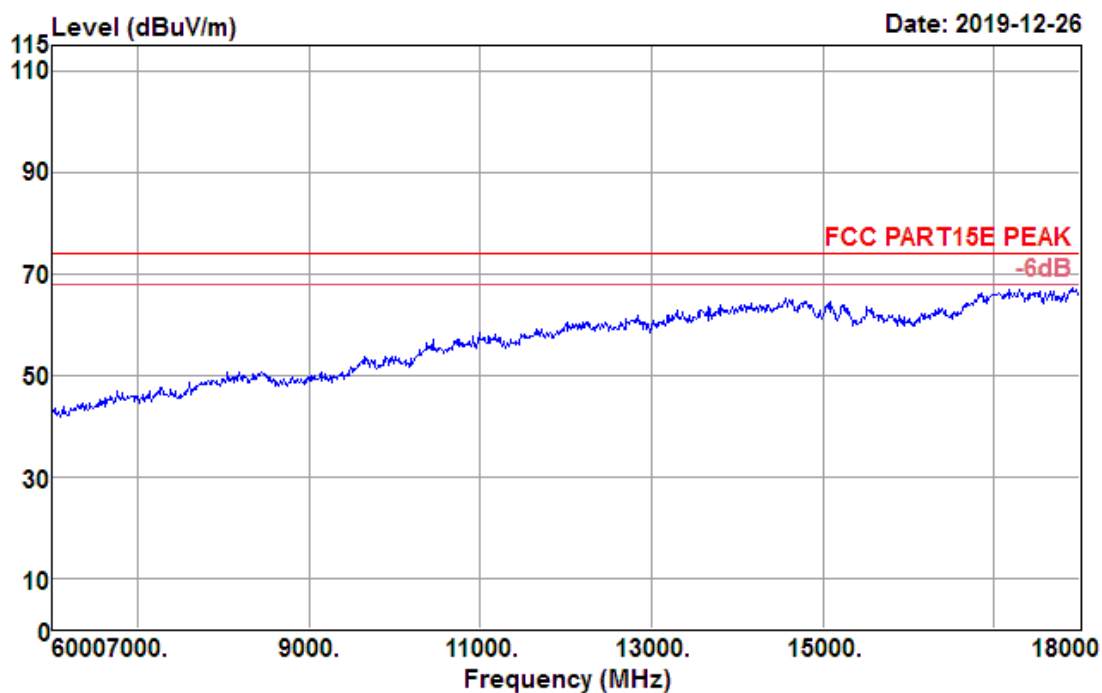
Data: 140



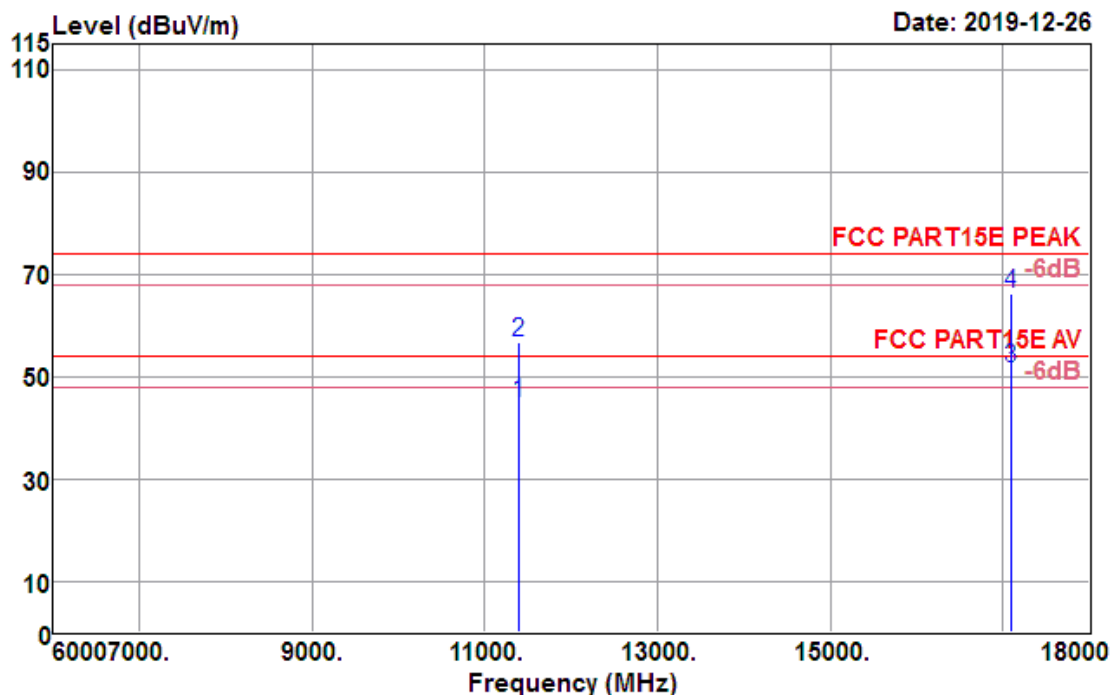
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5700.000	78.54	32.26	6.02	35.89	80.93	74.00	6.93	Peak

Test Mode :	802.11a CH140 5700MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Horizontal

Data: 143



Data: 144

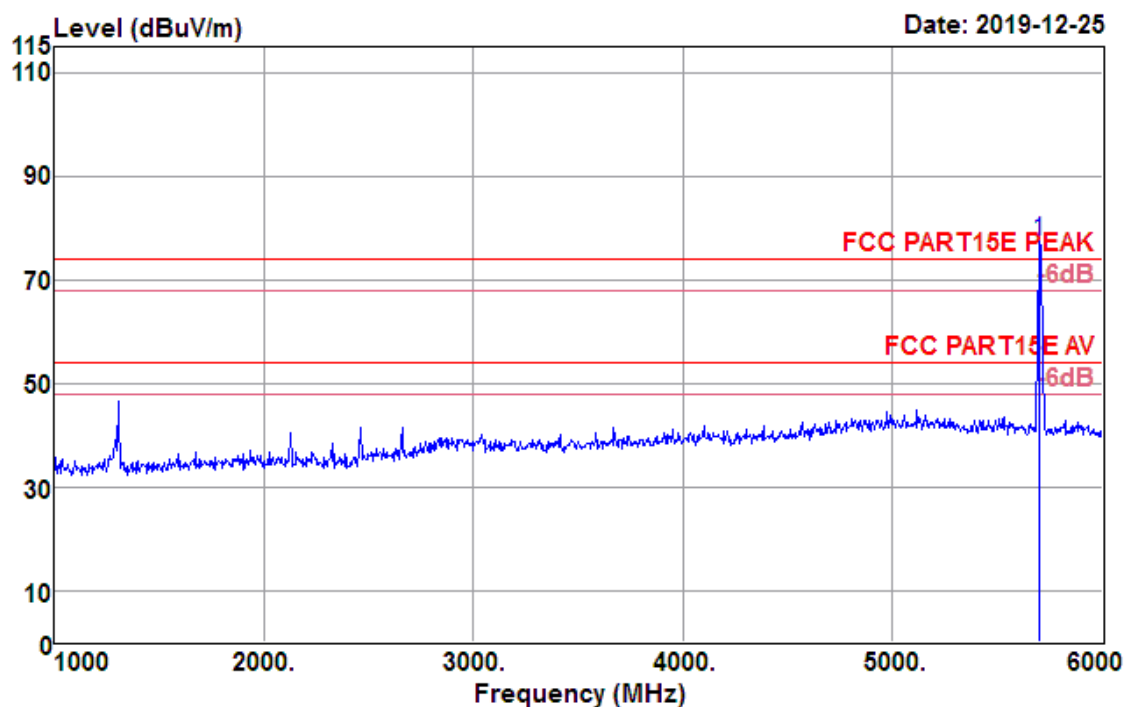


Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBUV/m	Limit level dBUV/m	Over limit dB	Remark
11400.000	25.53	39.98	13.22	33.84	44.89	54.00	-9.11	Average
11400.000	37.30	39.98	13.22	33.84	56.66	74.00	-17.34	Peak
17100.000	21.82	42.21	18.59	31.14	51.48	54.00	-2.52	Average
17100.000	36.61	42.21	18.59	31.14	66.27	74.00	-7.73	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH140 5700MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Vertical

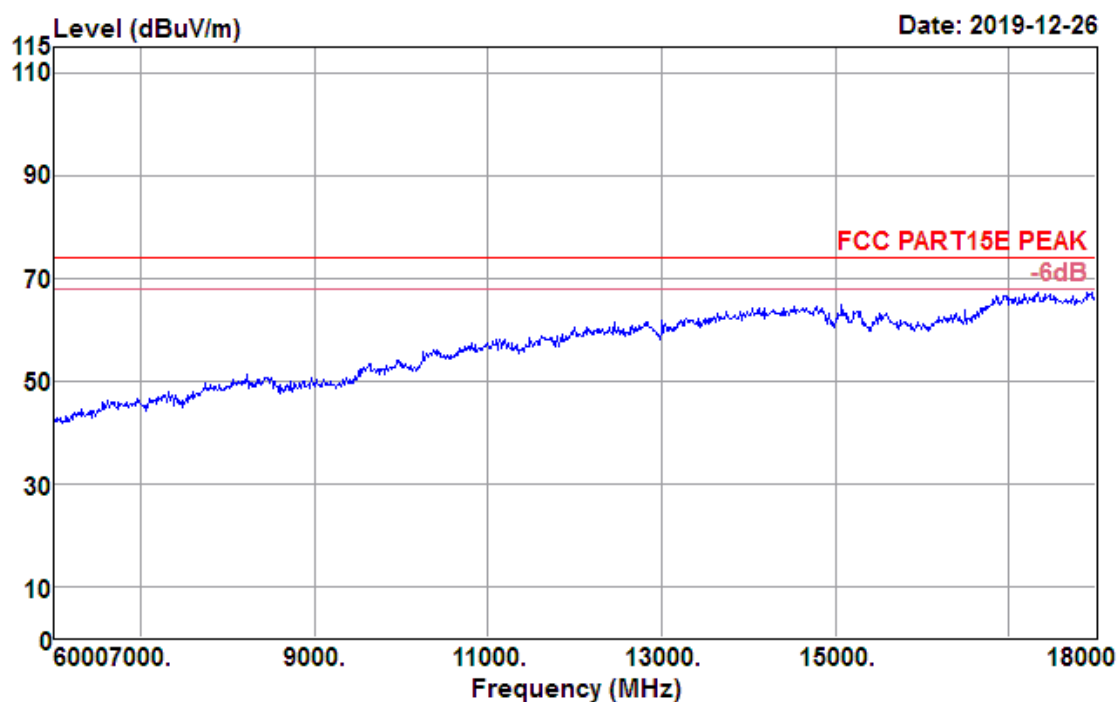
Data: 137



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5700.000	74.90	32.26	6.02	35.89	77.29	74.00	3.29	Peak

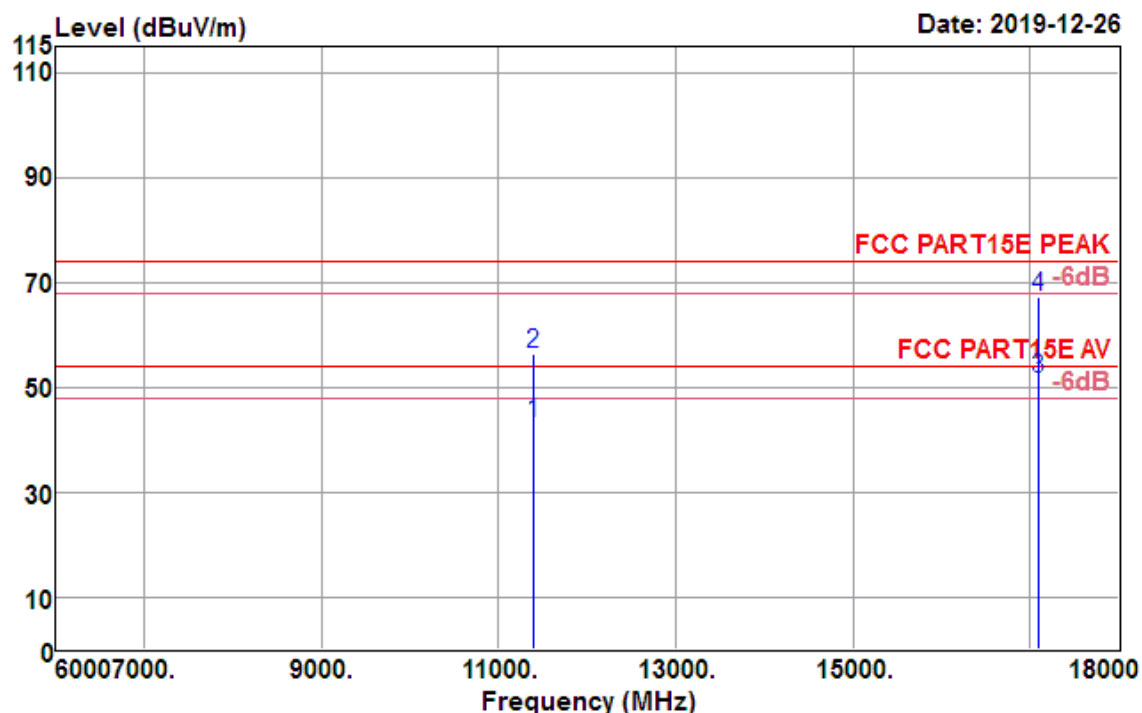
Test Mode :	802.11a CH140 5700MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Vertical

Data: 141



Data: 142

Date: 2019-12-26

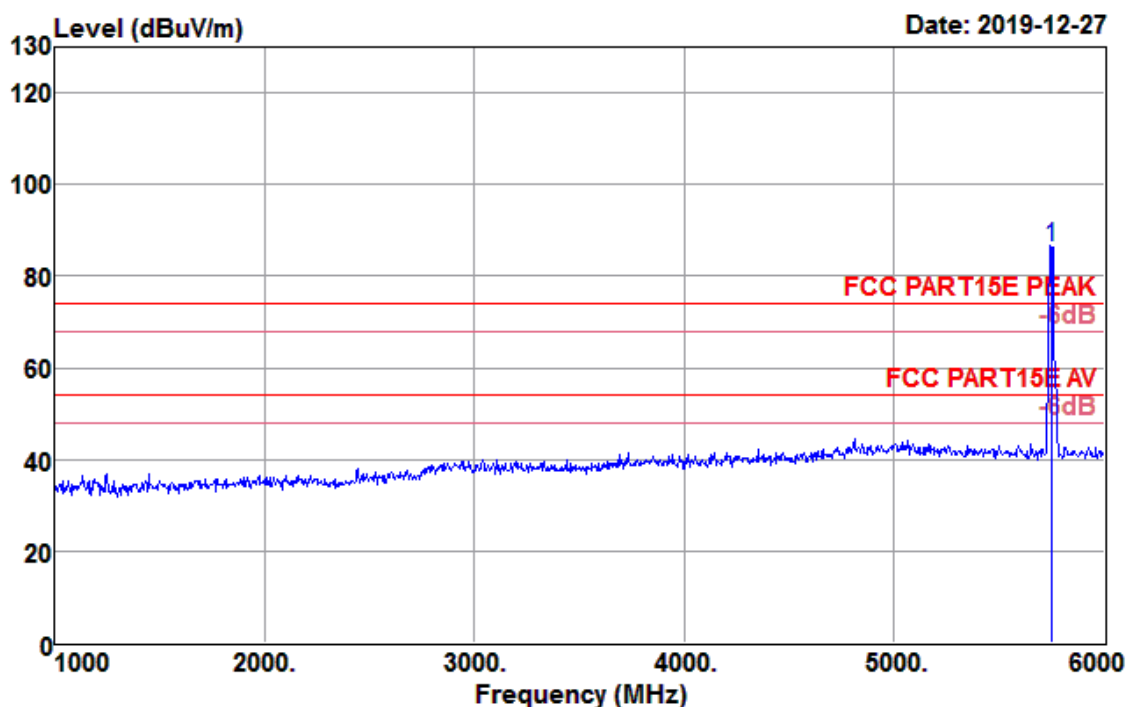


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV/m	Limit level dBUV/m	Over limit dB	Remark
11400.000	23.86	39.98	13.22	33.84	43.22	54.00	-10.78	Average
11400.000	37.12	39.98	13.22	33.84	56.48	74.00	-17.52	Peak
17100.000	21.82	42.21	18.59	31.14	51.48	54.00	-2.52	Average
17100.000	37.53	42.21	18.59	31.14	67.19	74.00	-6.81	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH149 5745MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Horizontal

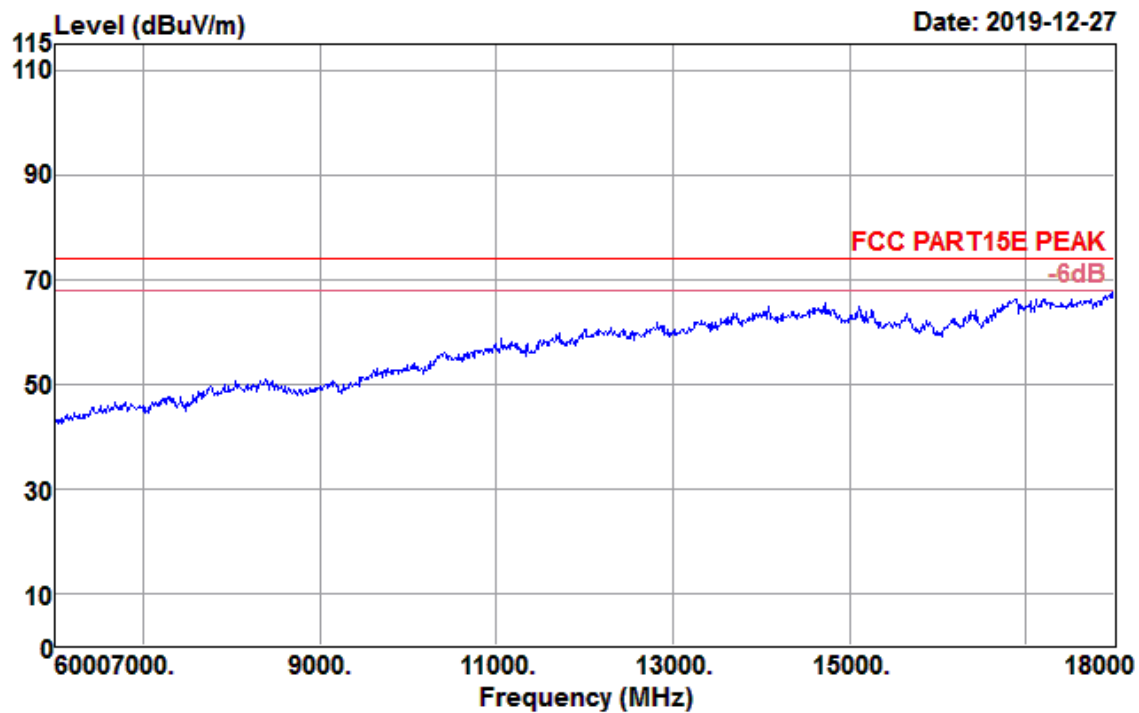
Data: 10



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5745.000	84.08	32.30	6.06	35.97	86.47	74.00	12.47	Peak

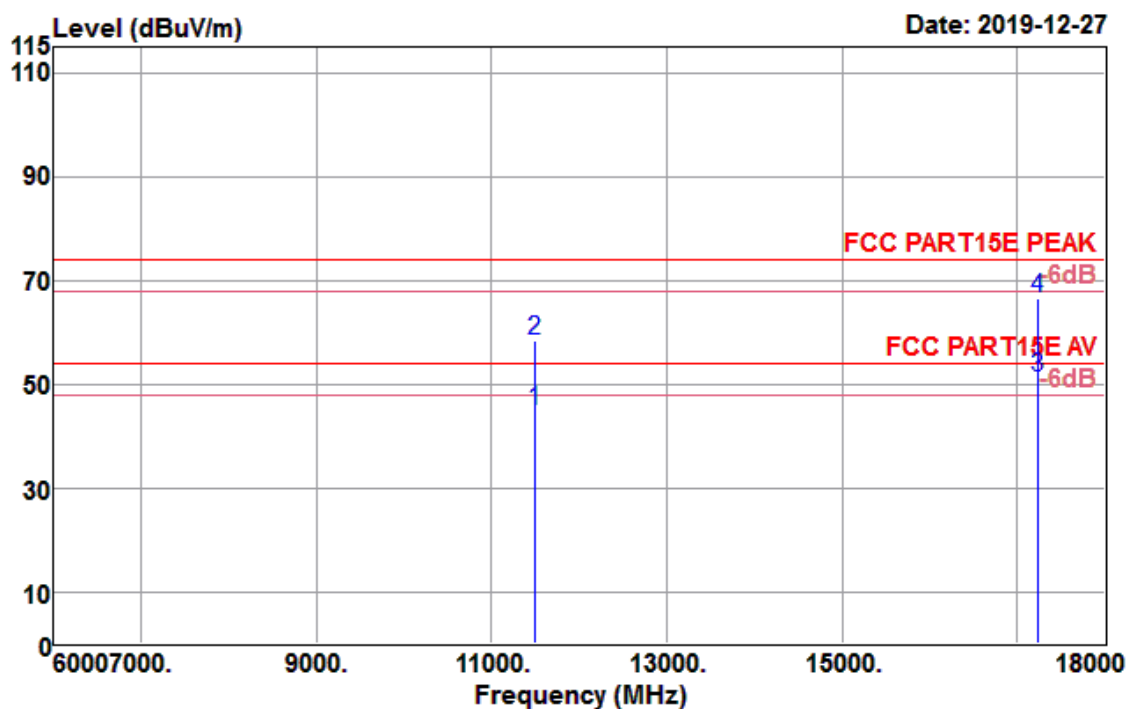
Test Mode :	802.11a CH149 5745MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Horizontal

Data: 3



Data: 4

Date: 2019-12-27

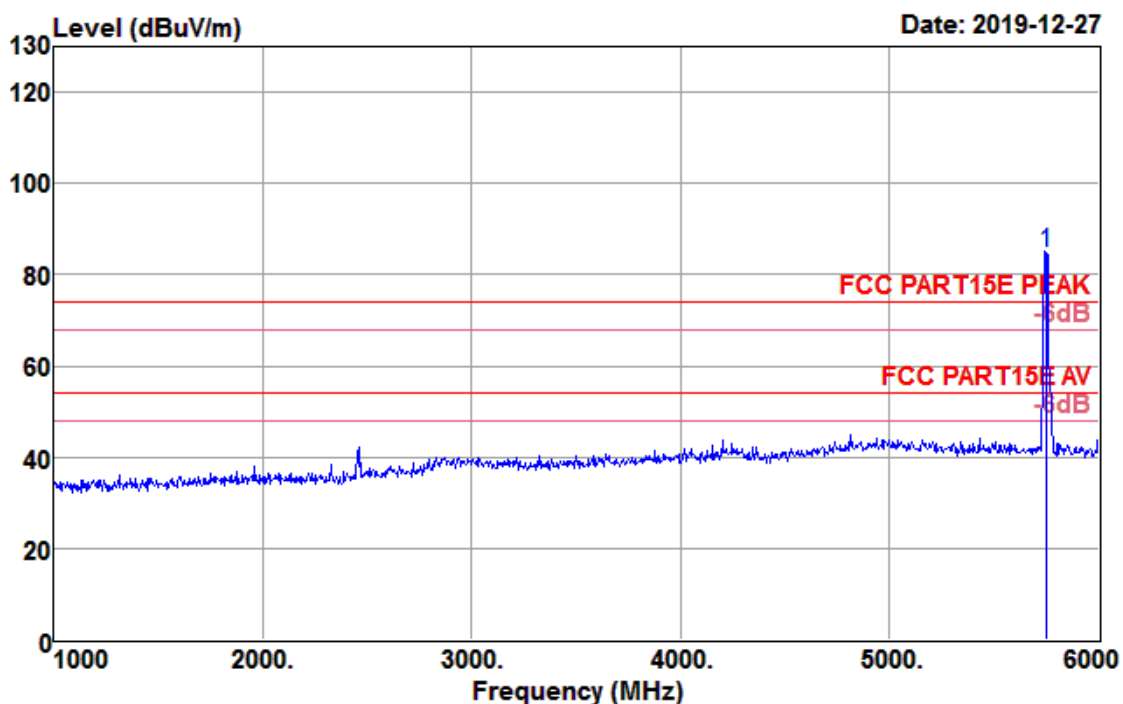


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11490.000	25.34	39.91	13.35	33.76	44.84	54.00	-9.16	Average
11490.000	38.97	39.91	13.35	33.76	58.47	74.00	-15.53	Peak
17235.000	21.53	43.17	17.74	31.06	51.38	54.00	-2.62	Average
17235.000	36.75	43.17	17.74	31.06	66.60	74.00	-7.40	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH149 5745MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Vertical

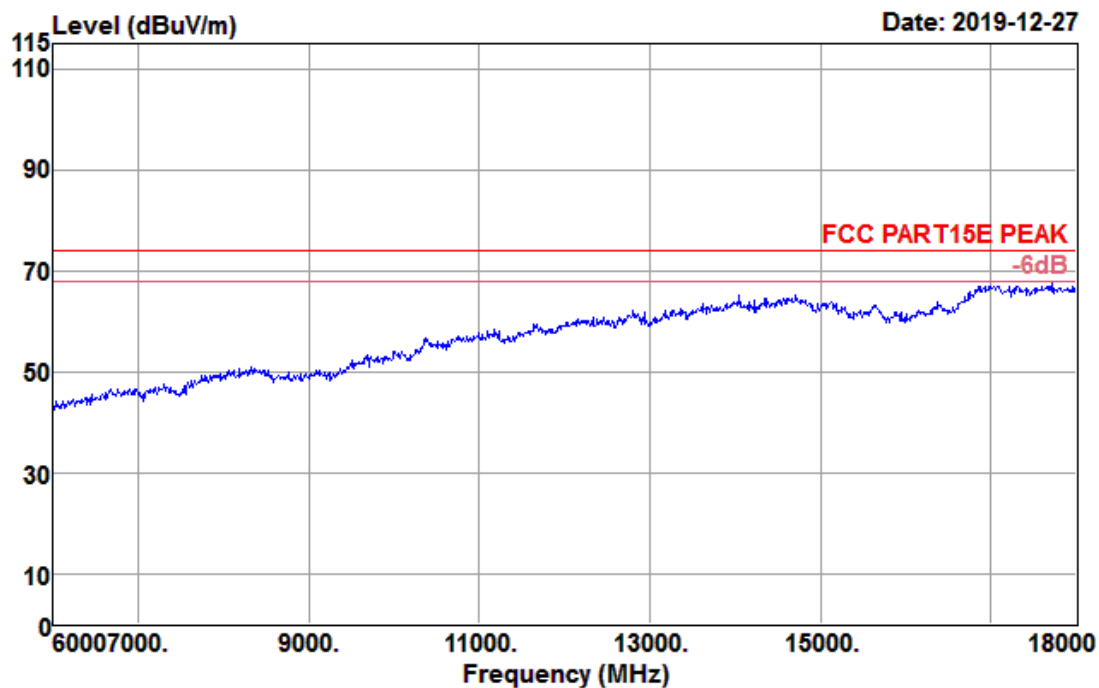
Data: 7



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5745.000	82.30	32.30	6.06	35.97	84.69	74.00	10.69	Peak

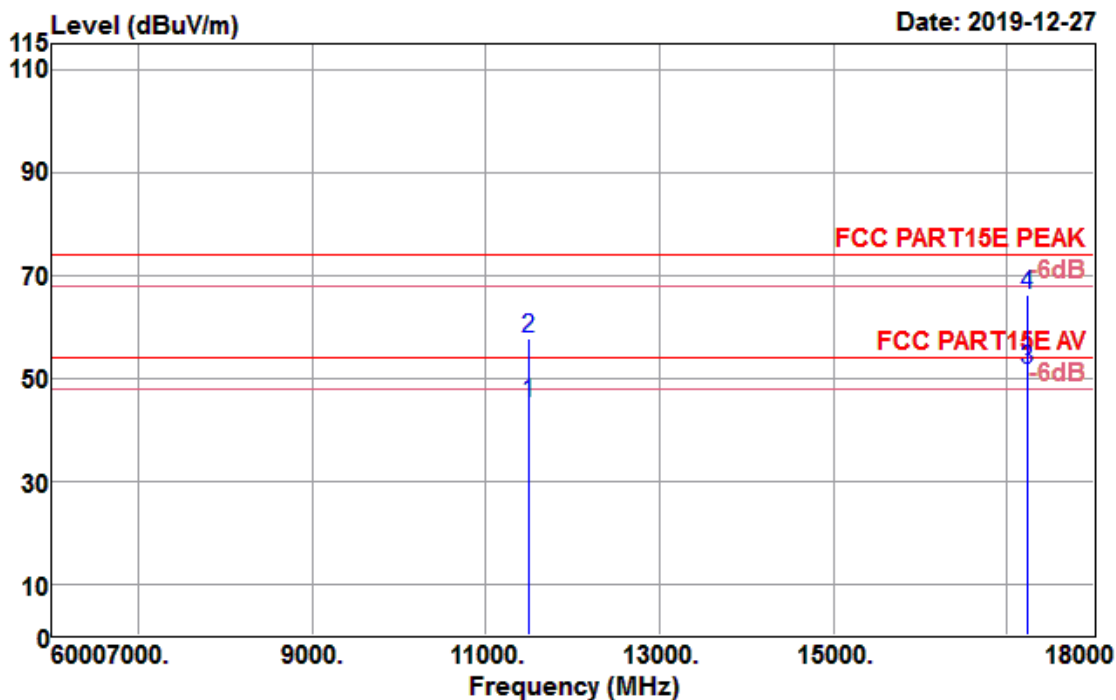
Test Mode :	802.11a CH149 5745MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Vertical

Data: 1



Data: 2

Date: 2019-12-27

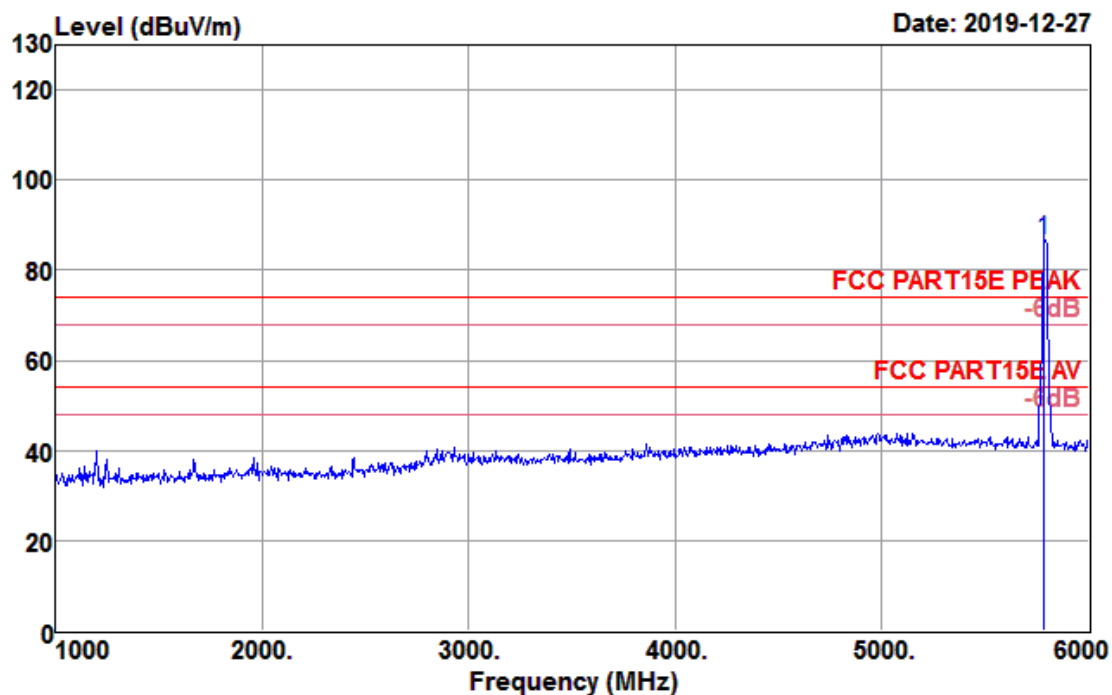


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11490.000	25.55	39.91	13.35	33.76	45.05	54.00	-8.95	Average
11490.000	38.04	39.91	13.35	33.76	57.54	74.00	-16.46	Peak
17235.000	21.75	43.17	17.74	31.06	51.60	54.00	-2.40	Average
17235.000	36.19	43.17	17.74	31.06	66.04	74.00	-7.96	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH157 5785MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Horizontal

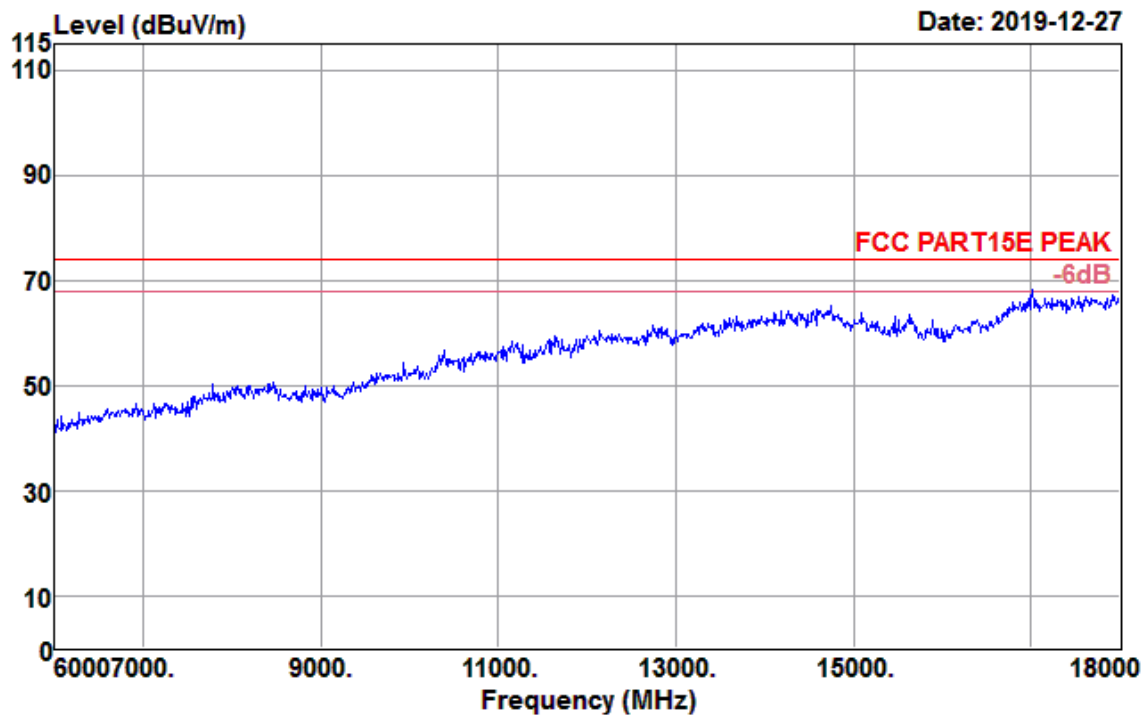
Data: 15



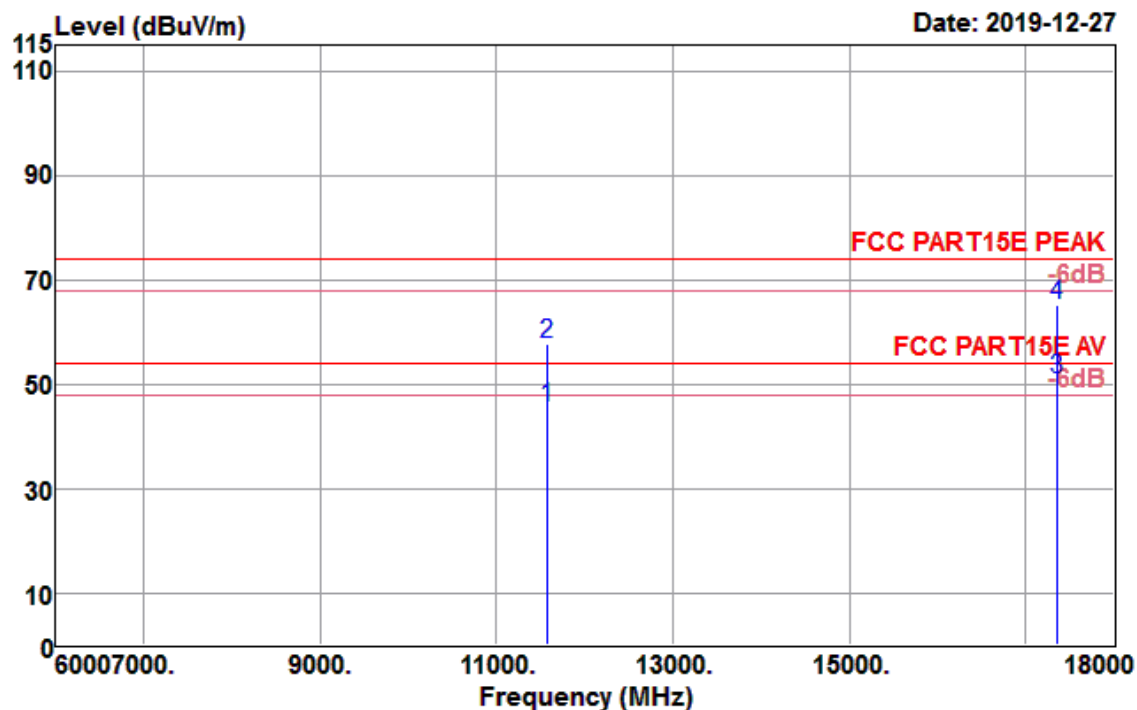
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5785.000	84.34	32.33	6.09	36.03	86.73	74.00	12.73	Peak

Test Mode :	802.11a CH157 5785MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Horizontal

Data: 11



Data: 12

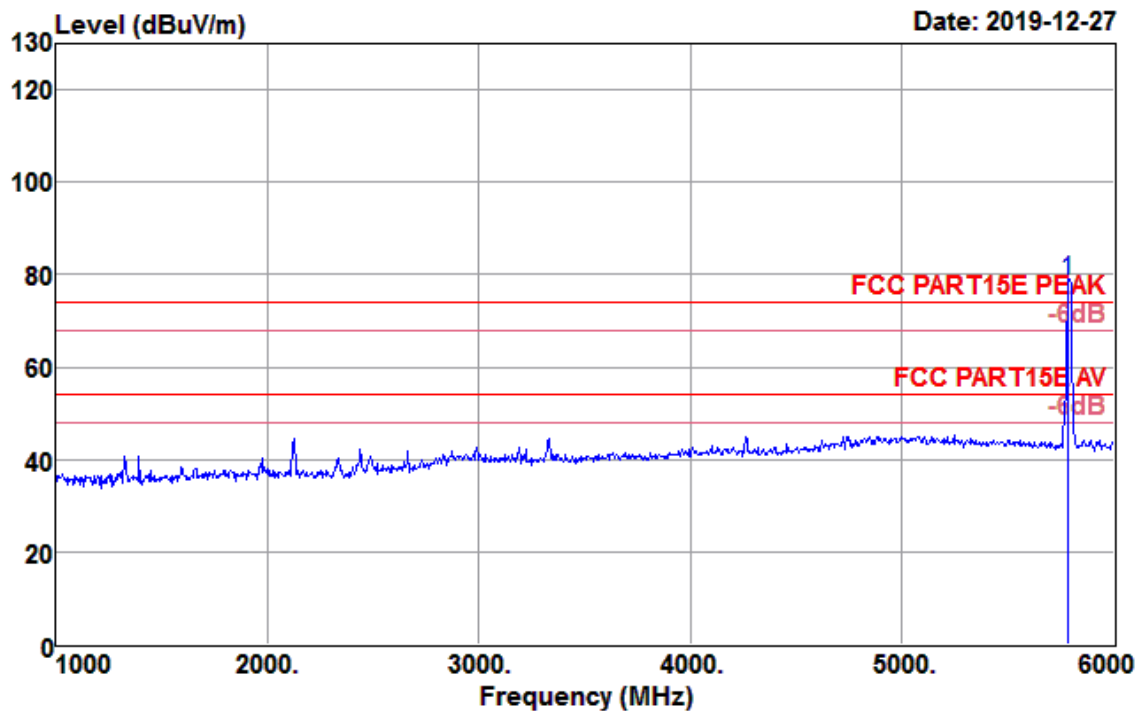


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11570.000	25.68	39.84	13.55	33.69	45.38	54.00	-8.62	Average
11570.000	38.00	39.84	13.55	33.69	57.70	74.00	-16.30	Peak
17355.000	20.80	44.02	16.99	30.99	50.82	54.00	-3.18	Average
17355.000	35.05	44.02	16.99	30.99	65.07	74.00	-8.93	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH157 5785MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Vertical

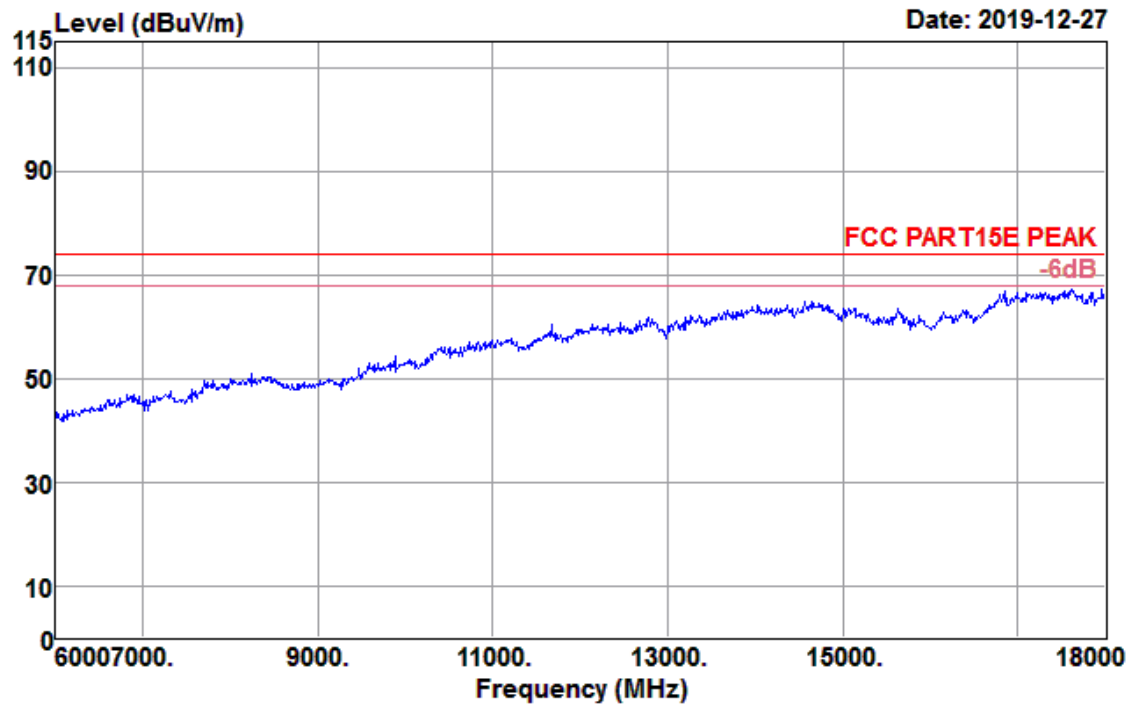
Data: 16



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5785.000	76.11	32.33	6.09	36.03	78.50	74.00	4.50	Peak

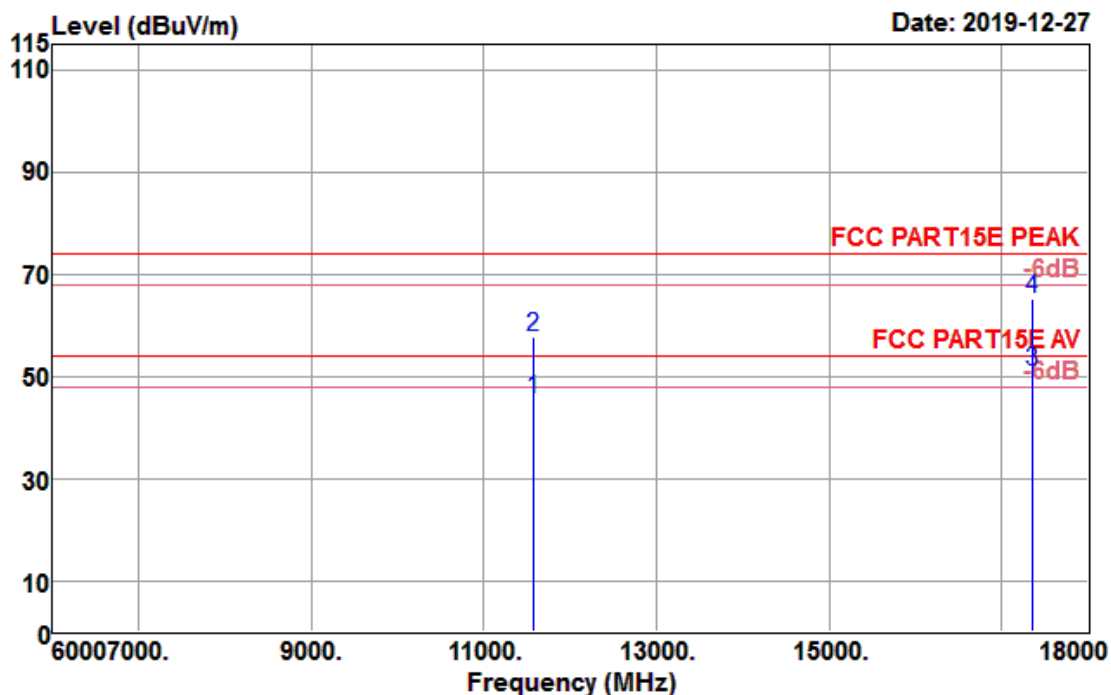
Test Mode :	802.11a CH157 5785MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Vertical

Data: 13



Data: 14

Date: 2019-12-27

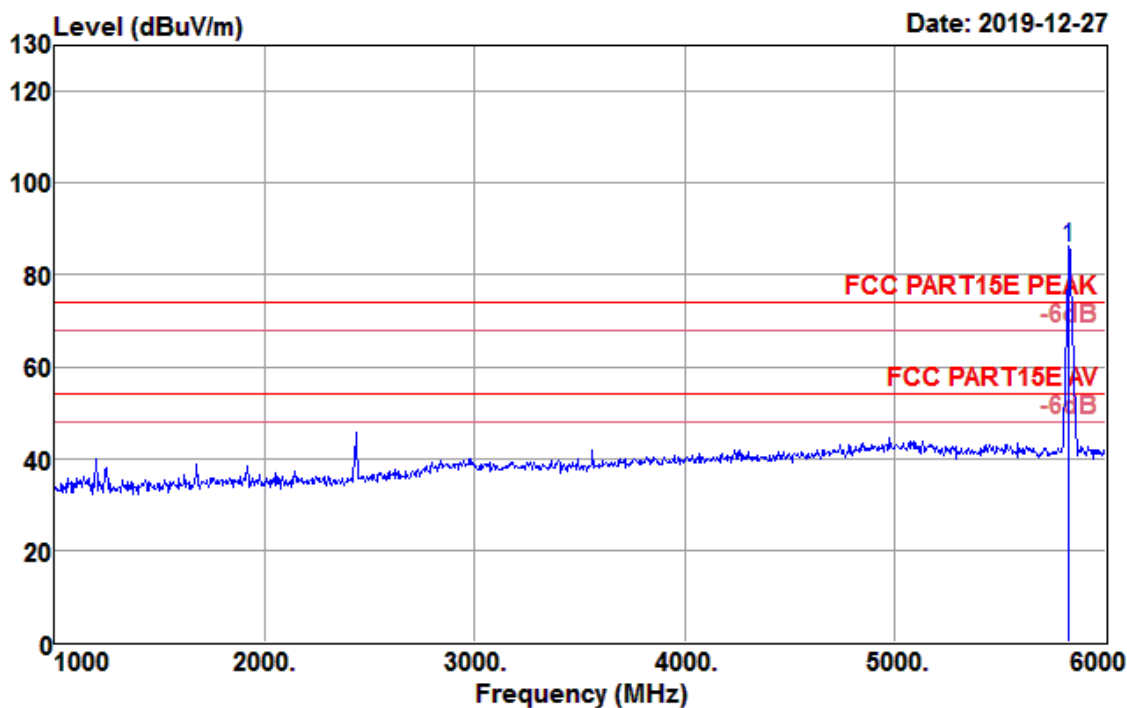


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11570.000	25.85	39.84	13.55	33.69	45.55	54.00	-8.45	Average
11570.000	38.14	39.84	13.55	33.69	57.84	74.00	-16.16	Peak
17355.000	20.84	44.02	16.99	30.99	50.86	54.00	-3.14	Average
17355.000	35.03	44.02	16.99	30.99	65.05	74.00	-8.95	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH165 5825MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Horizontal

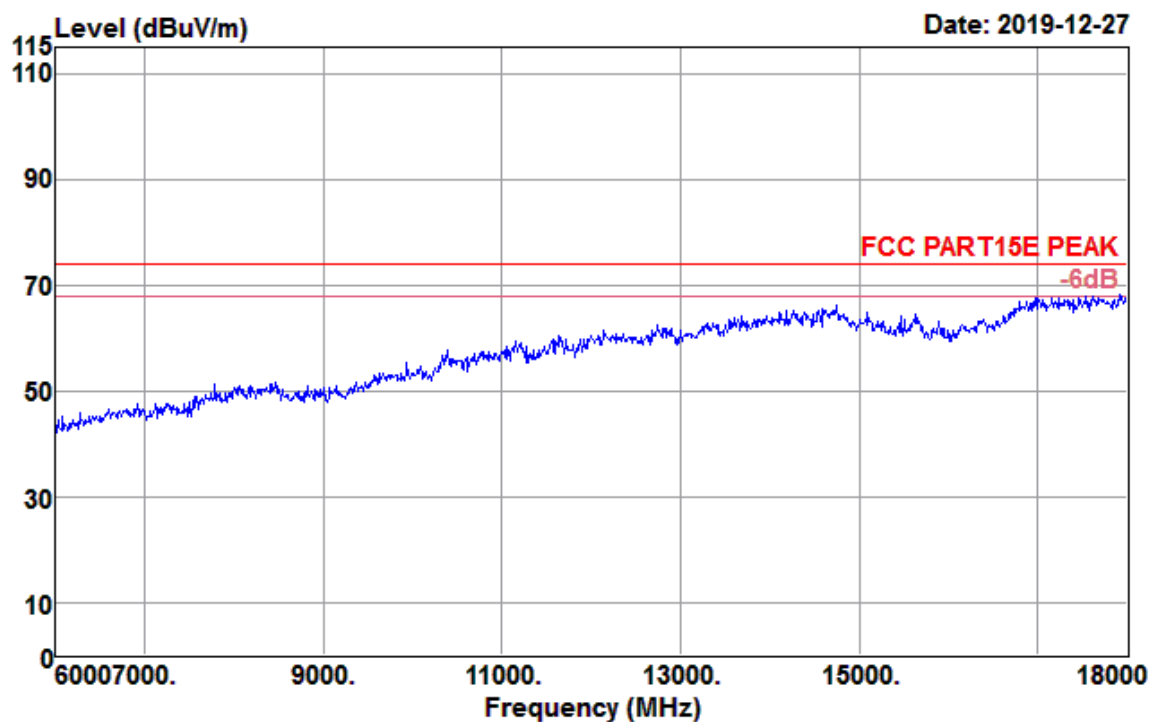
Data: 26



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5825.000	83.48	32.36	6.12	36.10	85.86	74.00	11.86	Peak

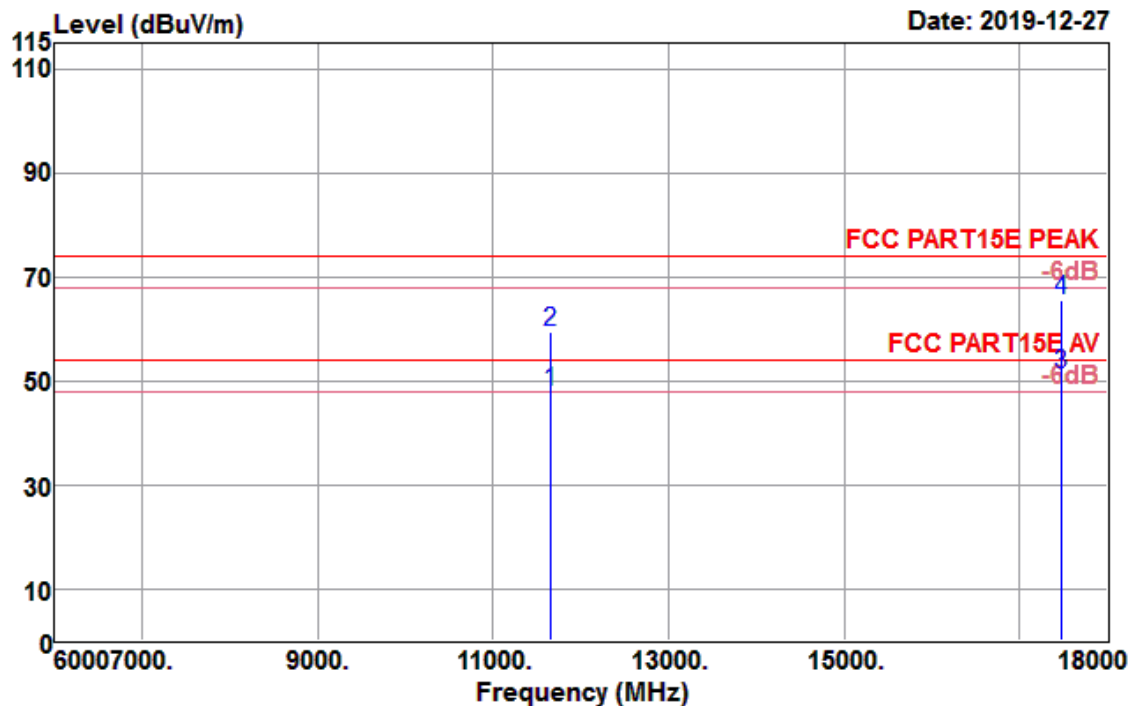
Test Mode :	802.11a CH165 5825MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Horizontal

Data: 17



Data: 18

Date: 2019-12-27

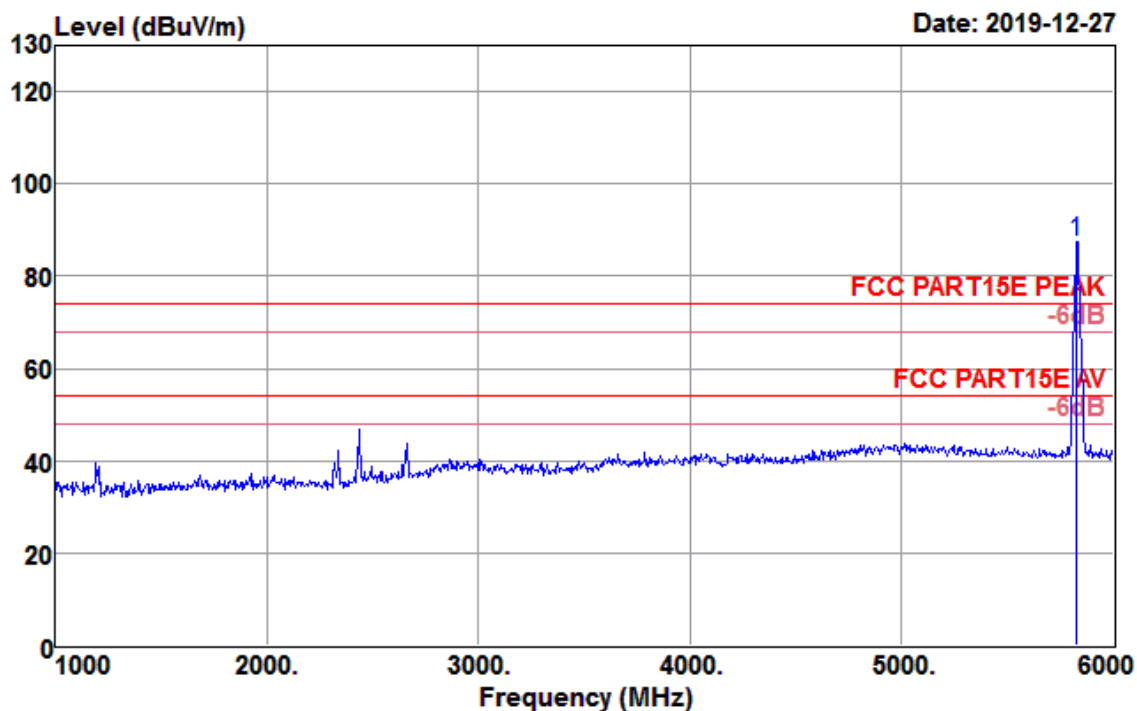


Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV/m	Limit level dBUV/m	Over limit dB	Remark
11650.000	27.85	39.78	13.76	33.61	47.78	54.00	-6.22	Average
11650.000	39.52	39.78	13.76	33.61	59.45	74.00	-14.55	Peak
17475.000	20.91	44.87	16.25	30.92	51.11	54.00	-2.89	Average
17475.000	35.17	44.87	16.25	30.92	65.37	74.00	-8.63	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11a CH165 5825MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Vertical

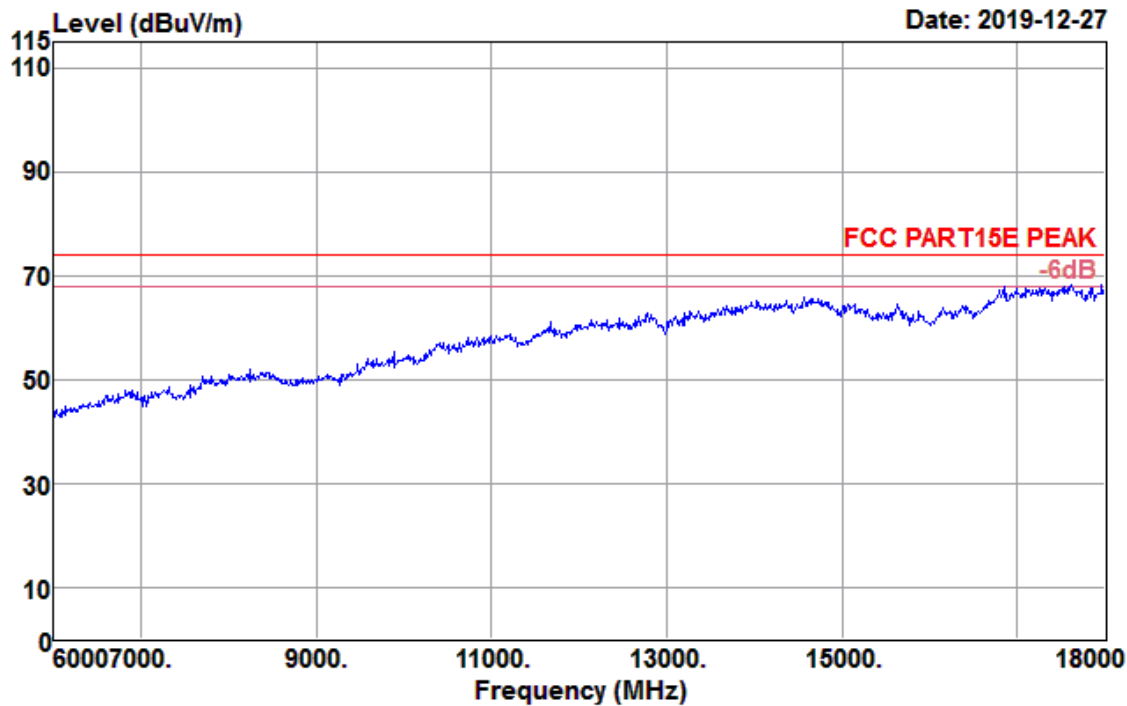
Data: 23



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5825.000	84.91	32.36	6.12	36.10	87.29	74.00	13.29	Peak

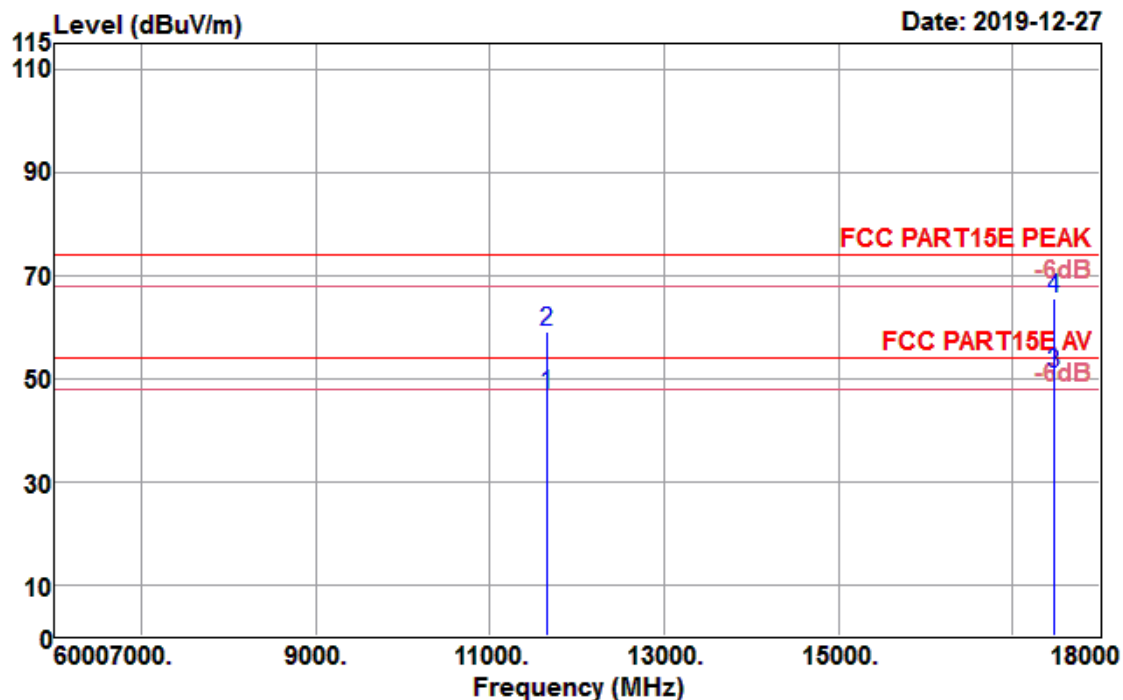
Test Mode :	802.11a CH165 5825MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Vertical

Data: 19



Data: 20

Date: 2019-12-27

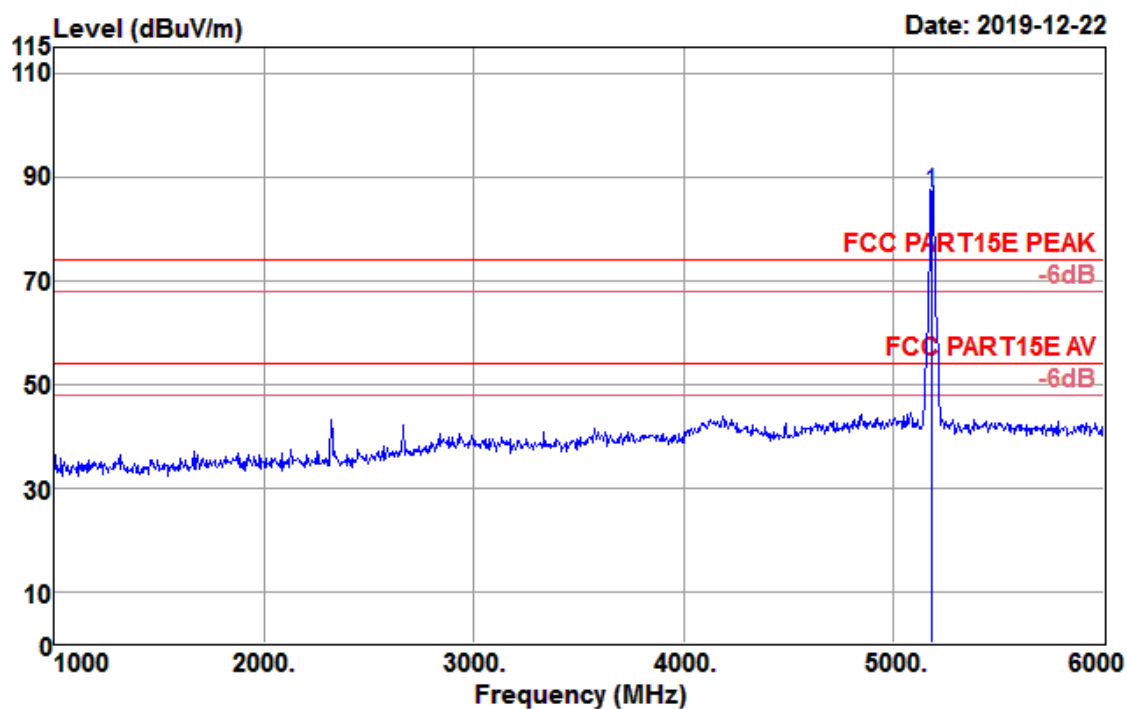


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
11650.000	26.74	39.78	13.76	33.61	46.67	54.00	-7.33	Average
11650.000	39.12	39.78	13.76	33.61	59.05	74.00	-14.95	Peak
17475.000	20.86	44.87	16.25	30.92	51.06	54.00	-2.94	Average
17475.000	35.30	44.87	16.25	30.92	65.50	74.00	-8.50	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11n HT20 CH36 5180MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Horizontal

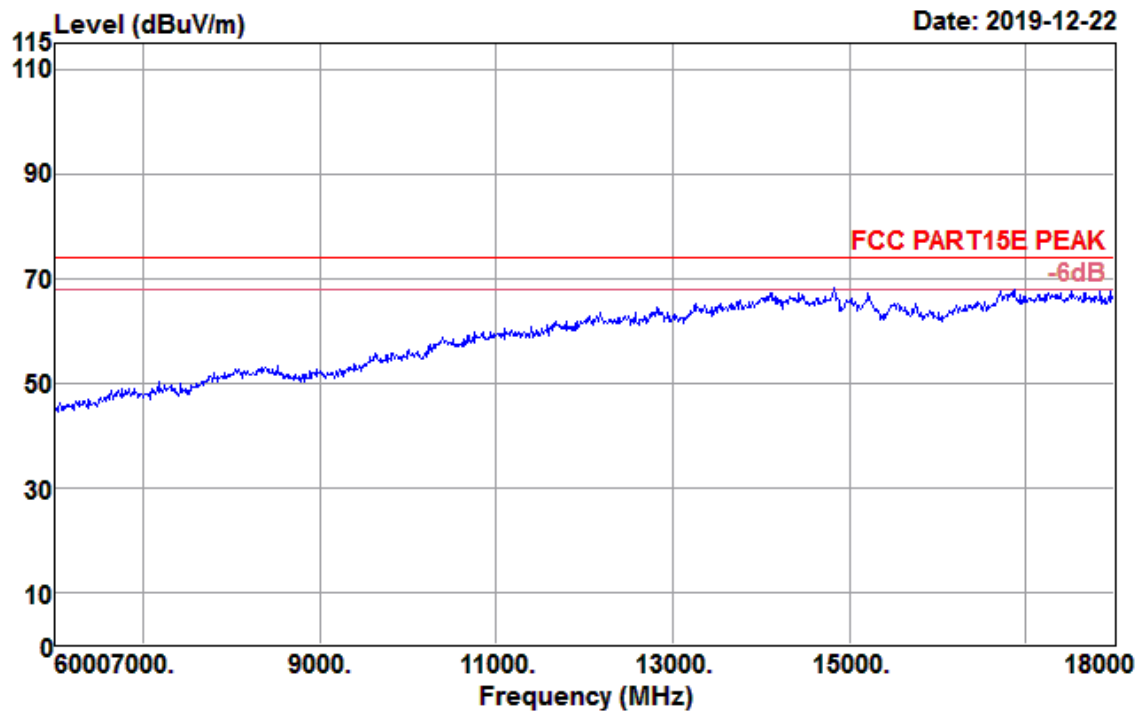
Data: 271



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5180.000	84.49	31.84	5.68	35.01	87.00	74.00	13.00	Peak

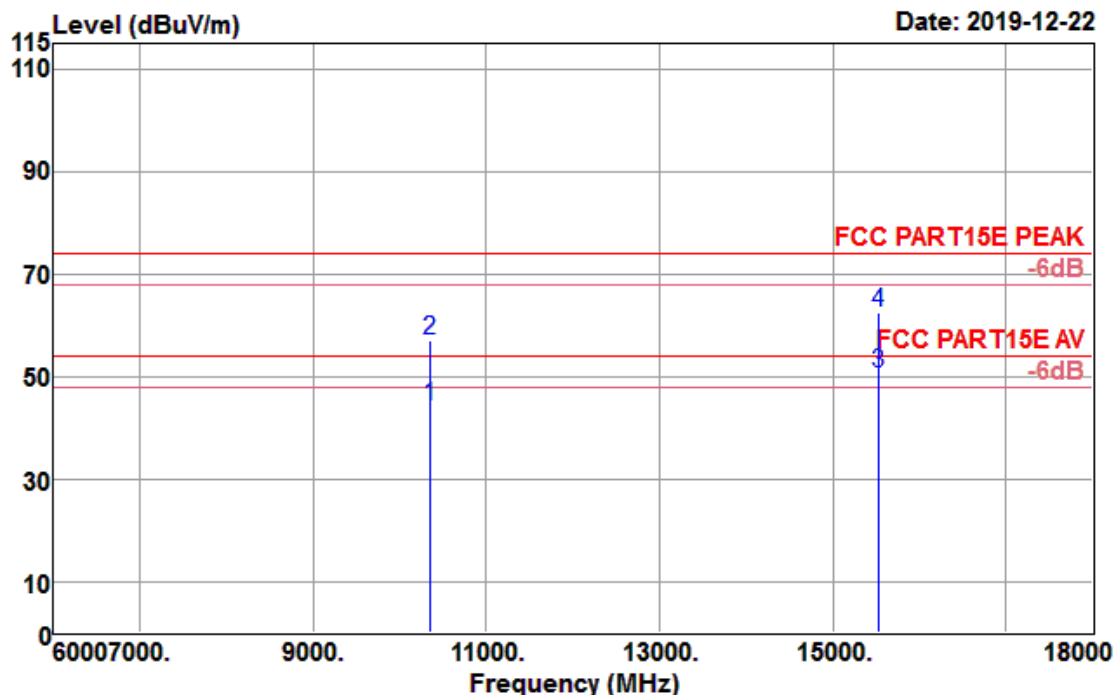
Test Mode :	802.11 n HT20 CH36 5180MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Horizontal

Data: 264



Data: 265

Date: 2019-12-22

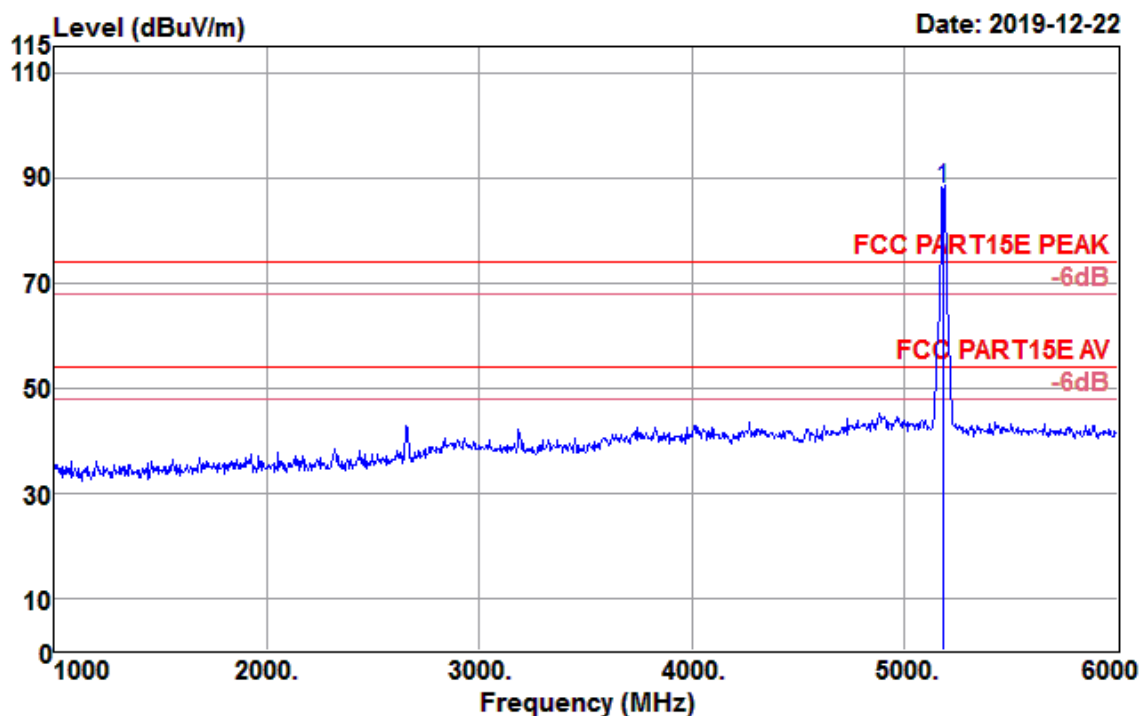


Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBUV/m	Limit level dBUV/m	Over limit dB	Remark
10360.000	28.75	39.15	11.90	35.61	44.19	54.00	-9.81	Average
10360.000	41.56	39.15	11.90	35.61	57.00	74.00	-17.00	Peak
15540.000	26.92	39.03	16.34	31.88	50.41	54.00	-3.59	Average
15540.000	38.85	39.03	16.34	31.88	62.34	74.00	-11.66	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11 n HT20 CH36 5180MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Vertical

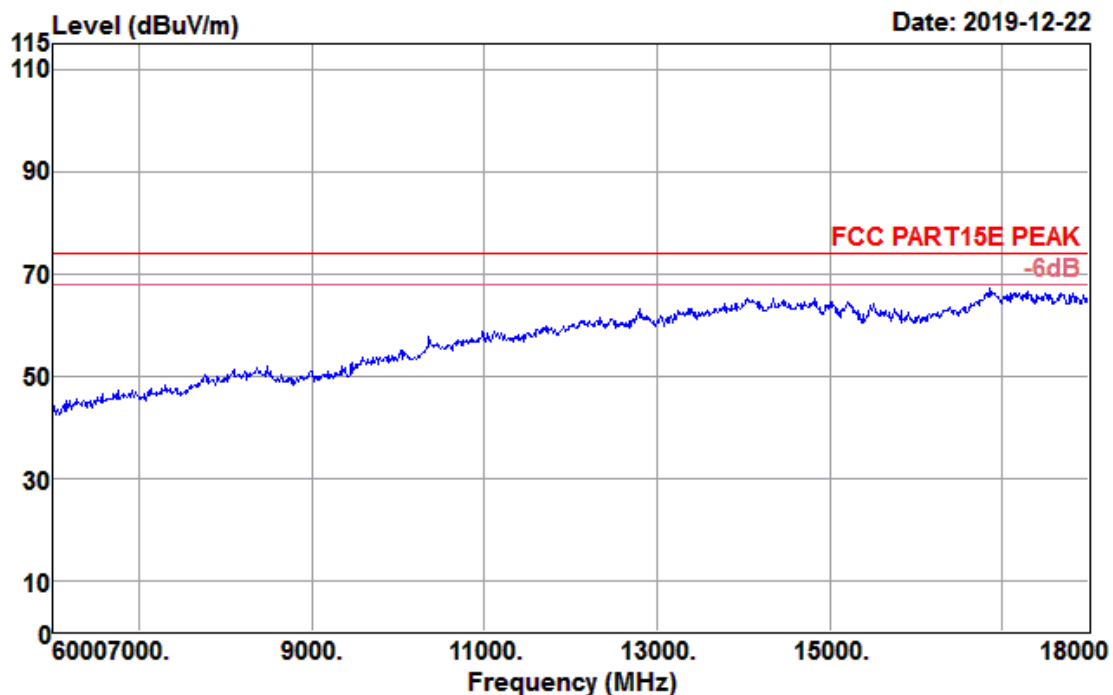
Data: 268



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5180.000	85.30	31.84	5.68	35.01	87.81	74.00	13.81	Peak

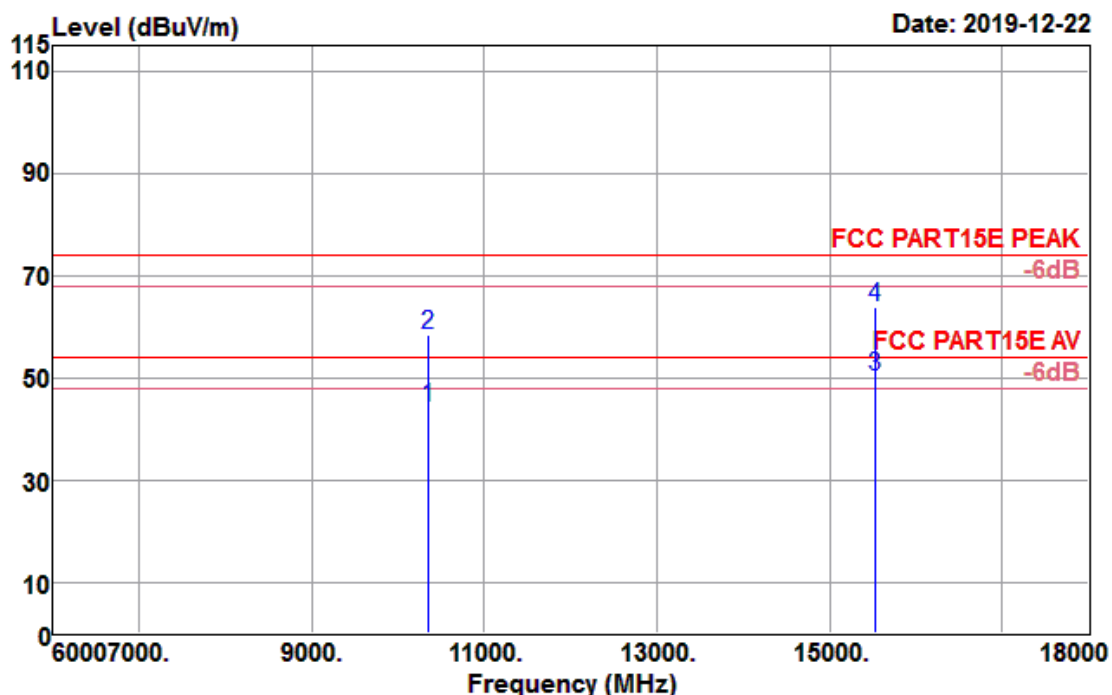
Test Mode :	802.11 n HT20 CH36 5180MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Vertical

Data: 262



Data: 263

Date: 2019-12-22

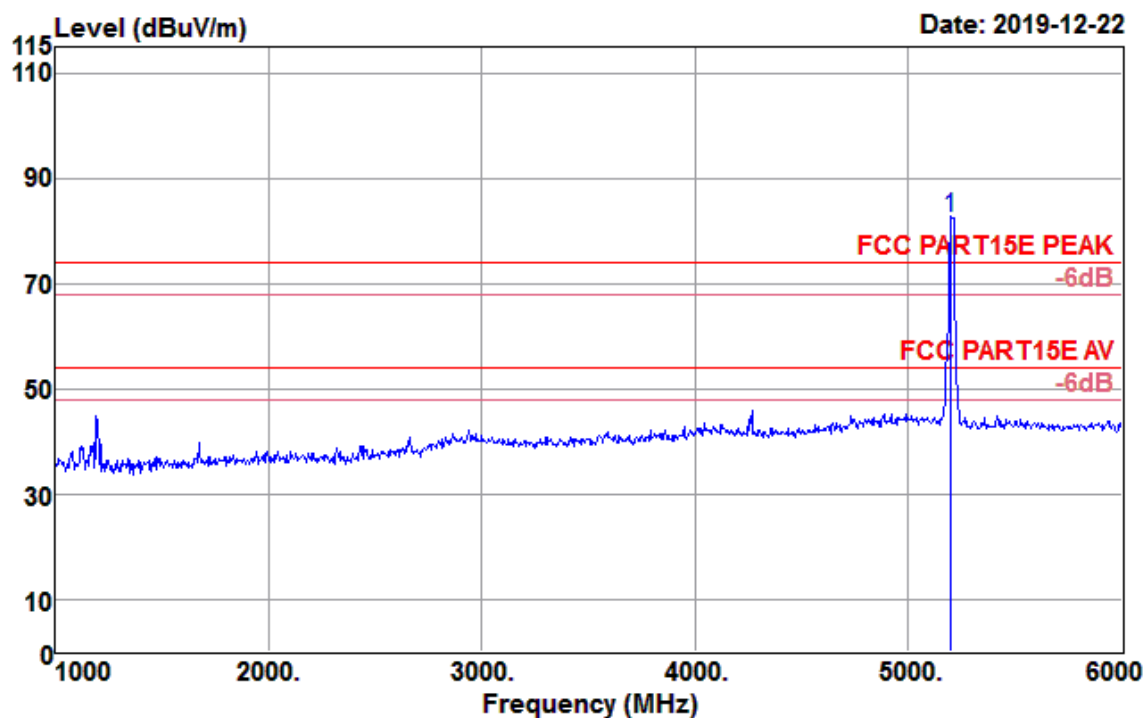


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10360.000	28.62	39.15	11.90	35.61	44.06	54.00	-9.94	Average
10360.000	42.76	39.15	11.90	35.61	58.20	74.00	-15.80	Peak
15540.000	26.61	39.03	16.34	31.88	50.10	54.00	-3.90	Average
15540.000	40.14	39.03	16.34	31.88	63.63	74.00	-10.37	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11 n HT20 CH40 5200MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Horizontal

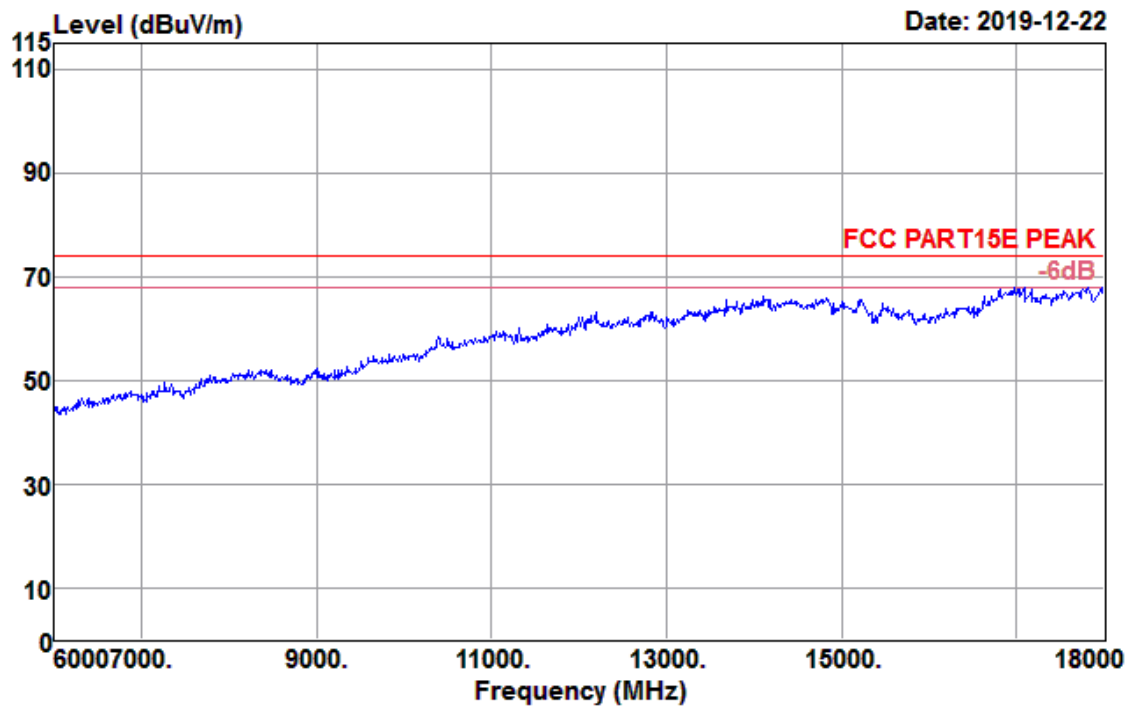
Data: 277



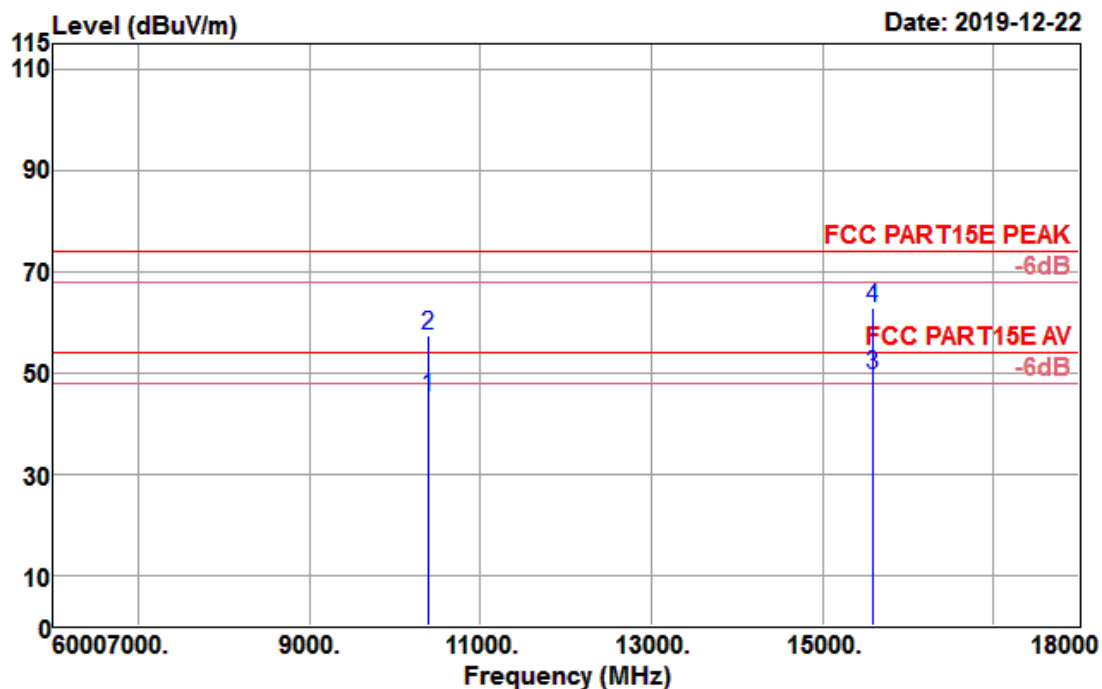
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5200.000	79.81	31.86	5.70	35.04	82.33	74.00	8.33	Peak

Test Mode :	802.11 n HT20 CH40 5200MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Horizontal

Data: 272



Data: 273

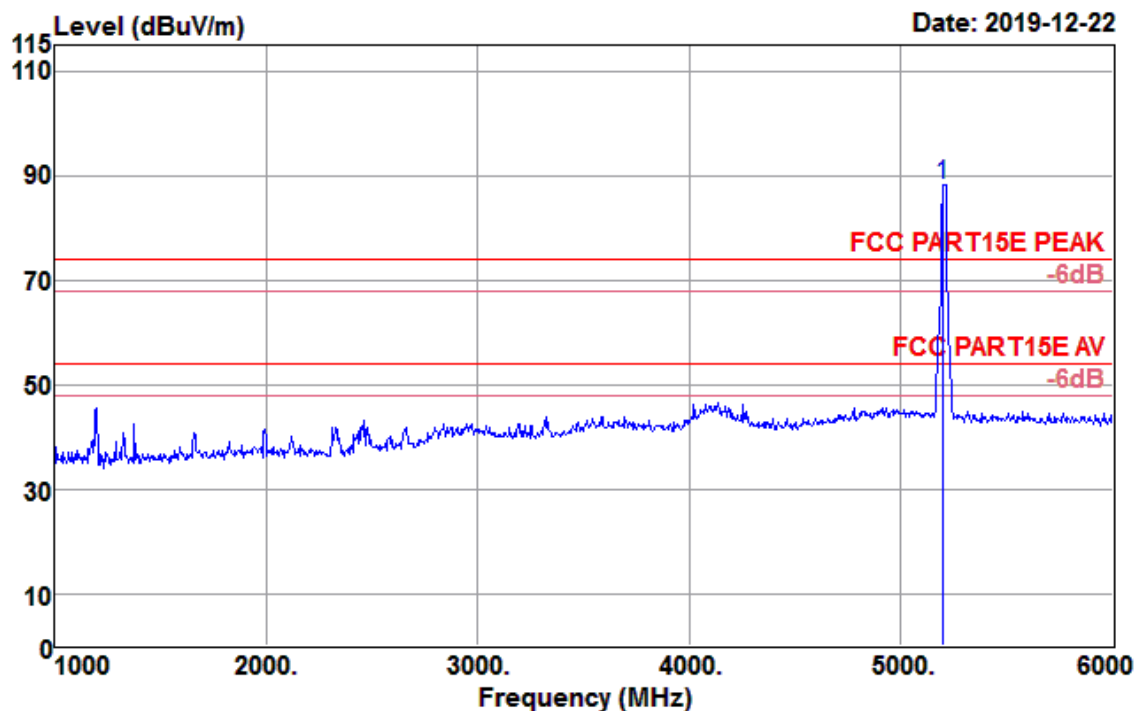


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10400.000	29.60	39.22	11.96	35.52	45.26	54.00	-8.74	Average
10400.000	41.79	39.22	11.96	35.52	57.45	74.00	-16.55	Peak
15600.000	26.26	38.84	16.28	31.86	49.52	54.00	-4.48	Average
15600.000	39.68	38.84	16.28	31.86	62.94	74.00	-11.06	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11 n HT20 CH40 5200MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Vertical

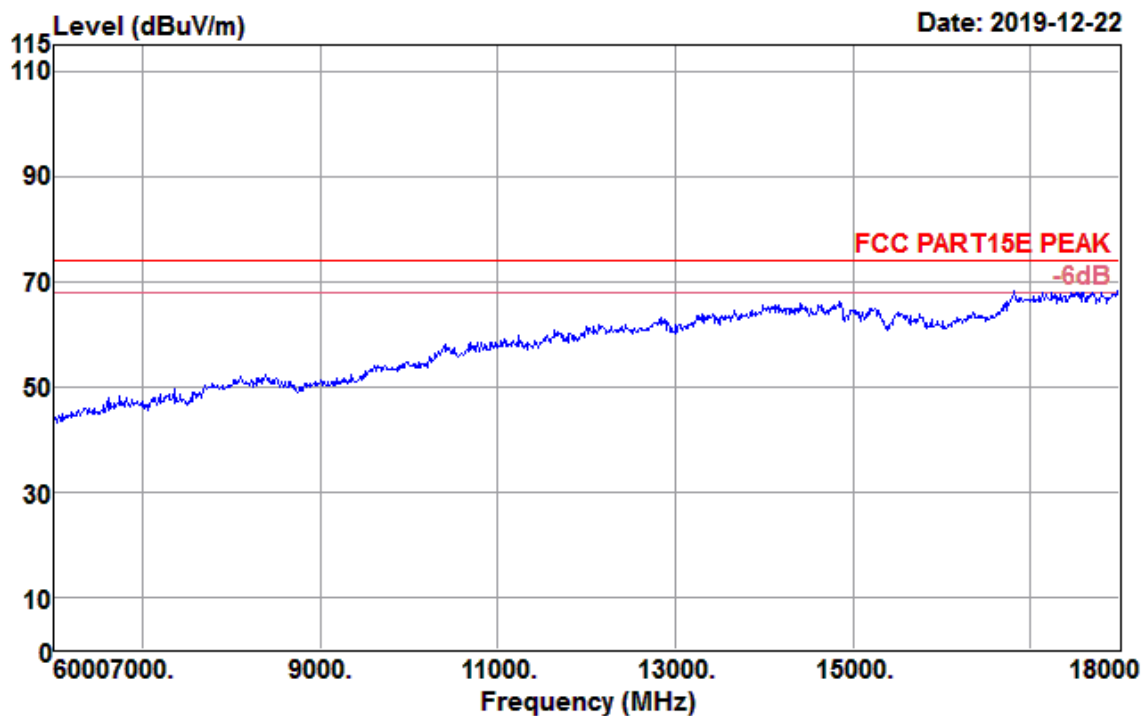
Data: 276



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5200.000	85.84	31.86	5.70	35.04	88.36	74.00	14.36	Peak

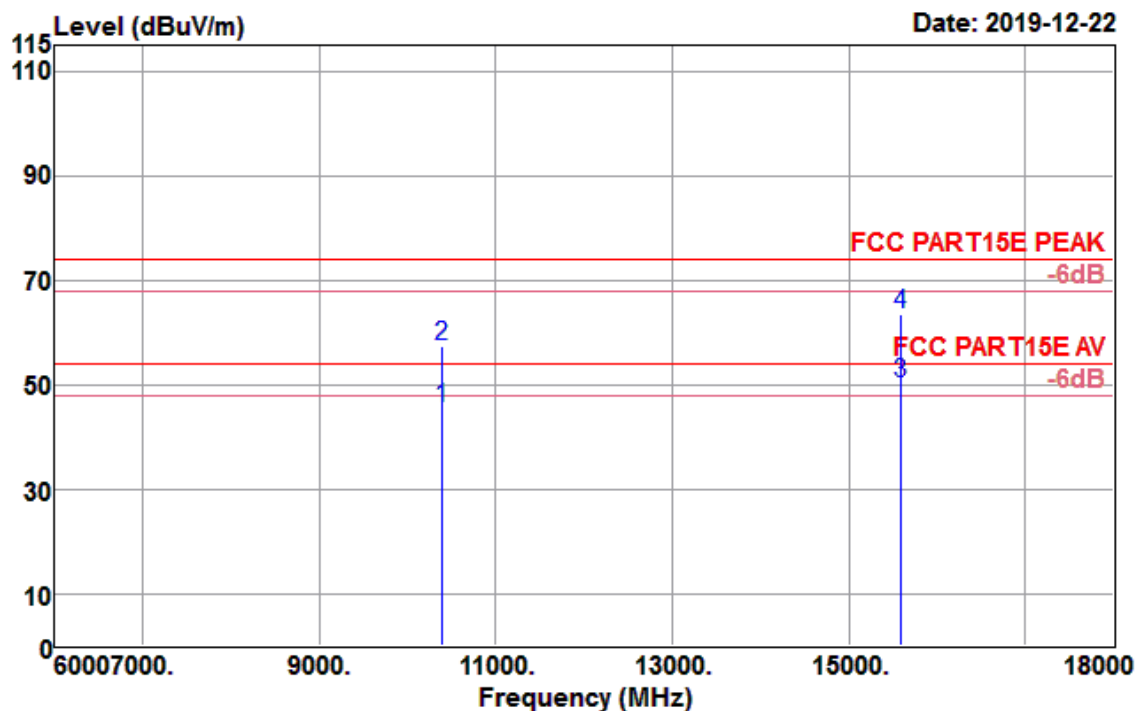
Test Mode :	802.11 n HT20 CH40 5200MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Vertical

Data: 274



Data: 275

Date: 2019-12-22

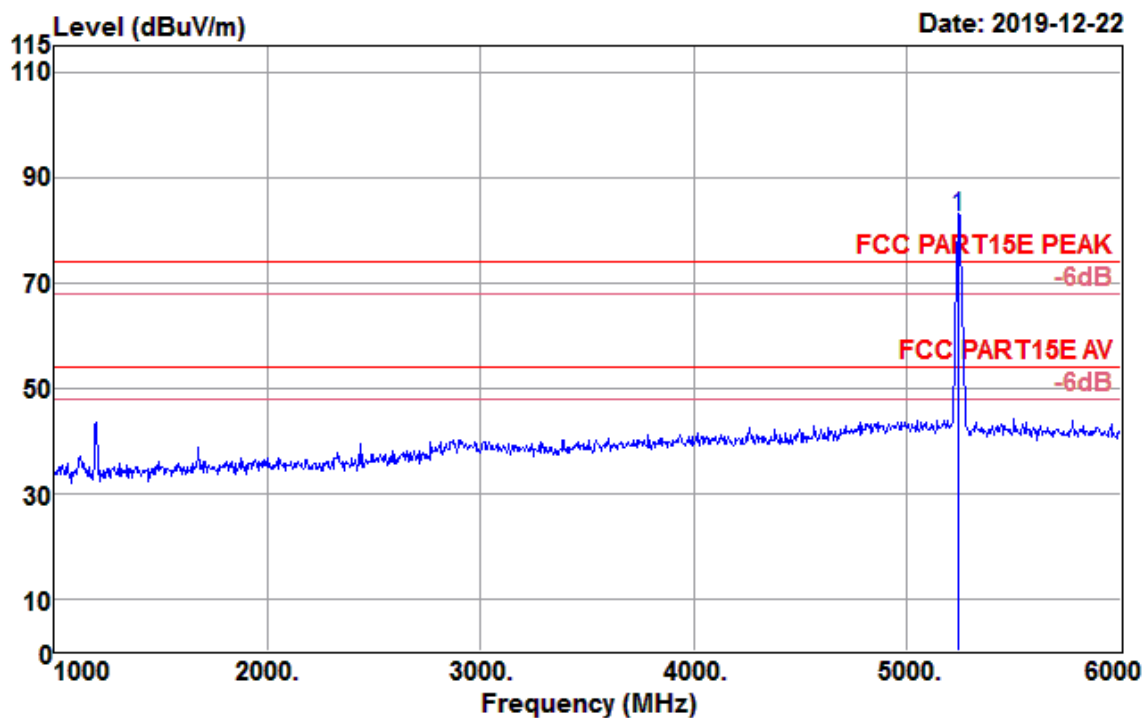


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10400.000	29.68	39.22	11.96	35.52	45.34	54.00	-8.66	Average
10400.000	41.57	39.22	11.96	35.52	57.23	74.00	-16.77	Peak
15600.000	26.86	38.84	16.28	31.86	50.12	54.00	-3.88	Average
15600.000	40.26	38.84	16.28	31.86	63.52	74.00	-10.48	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11 n HT20 CH48 5240MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Horizontal

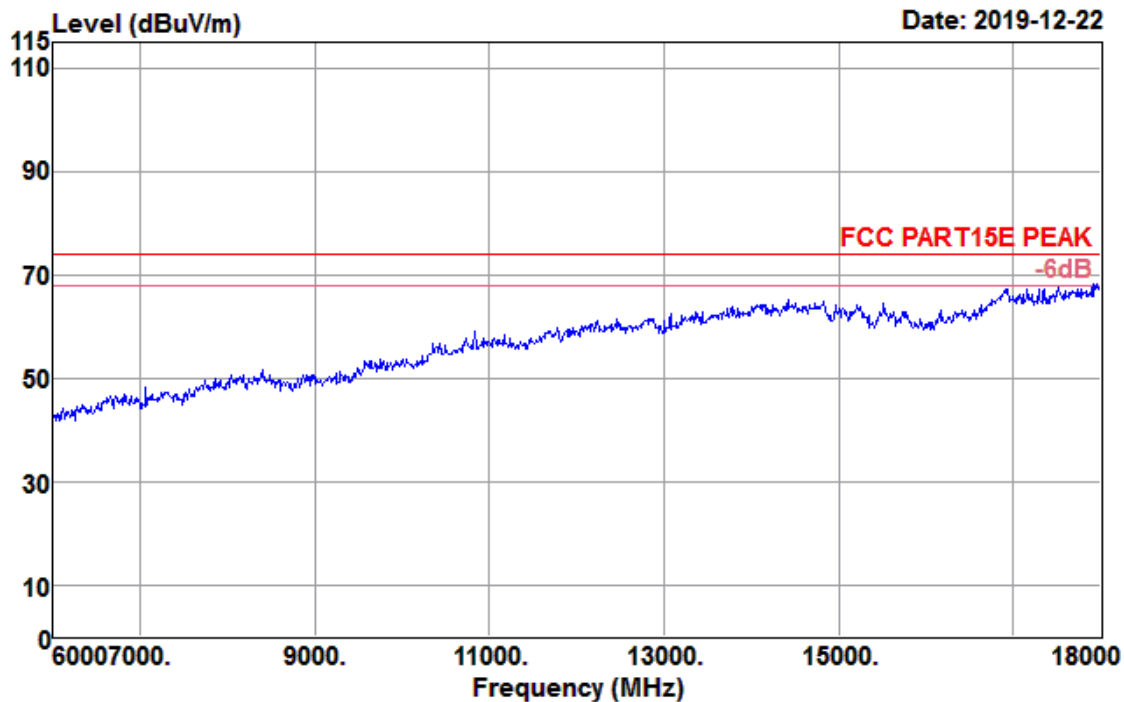
Data: 284



Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV/m	Limit level dBUV/m	Over limit dB	Remark
5240.000	79.92	31.89	5.70	35.11	82.40	74.00	8.40	Peak

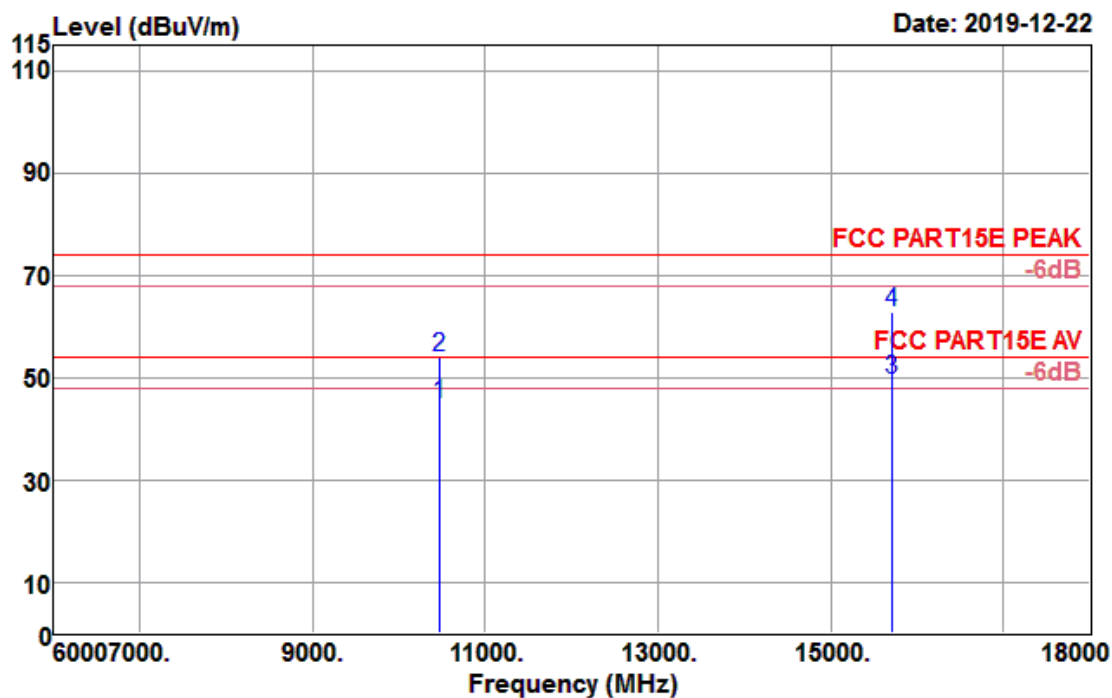
Test Mode :	802.11 n HT20 CH48 5240MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Horizontal

Data: 280



Data: 281

Date: 2019-12-22

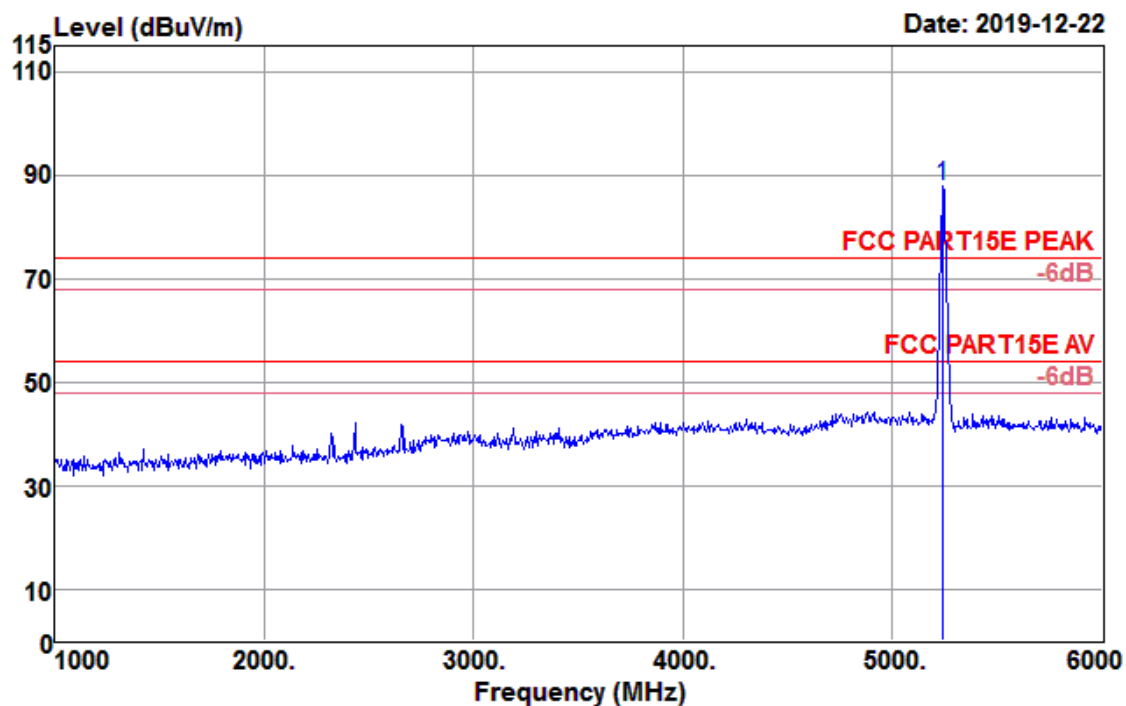


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10480.000	28.65	39.36	12.07	35.34	44.74	54.00	-9.26	Average
10480.000	37.85	39.36	12.07	35.34	53.94	74.00	-20.06	Peak
15720.000	26.59	38.47	16.15	31.81	49.40	54.00	-4.60	Average
15720.000	39.83	38.47	16.15	31.81	62.64	74.00	-11.36	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11 n HT20 CH48 5240MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Vertical

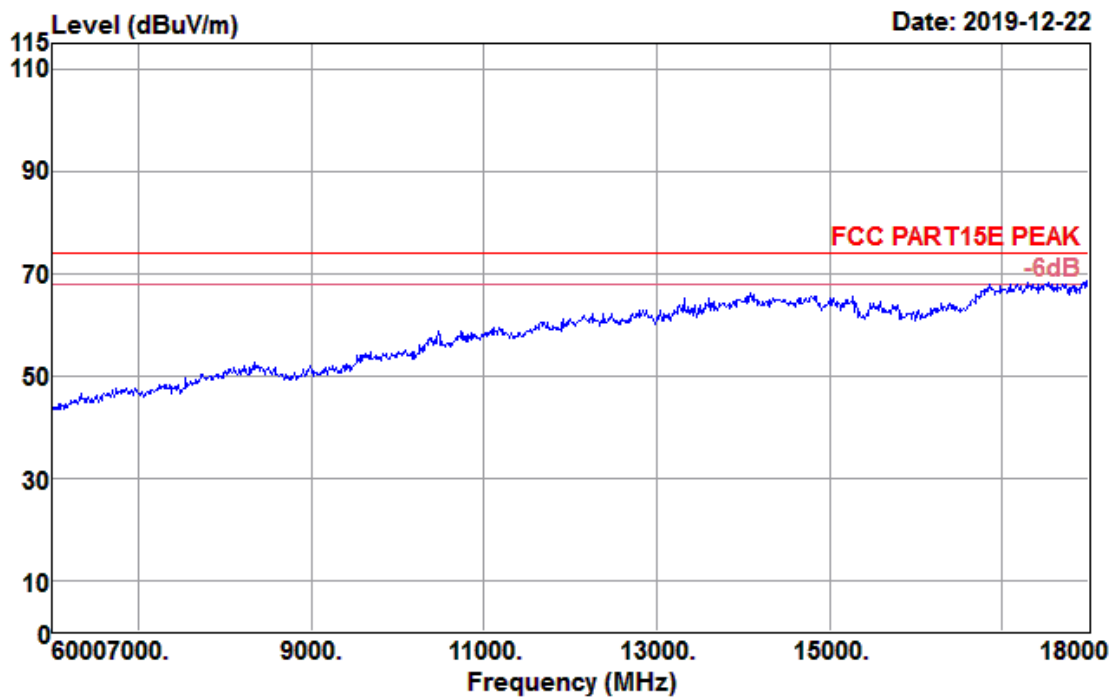
Data: 287



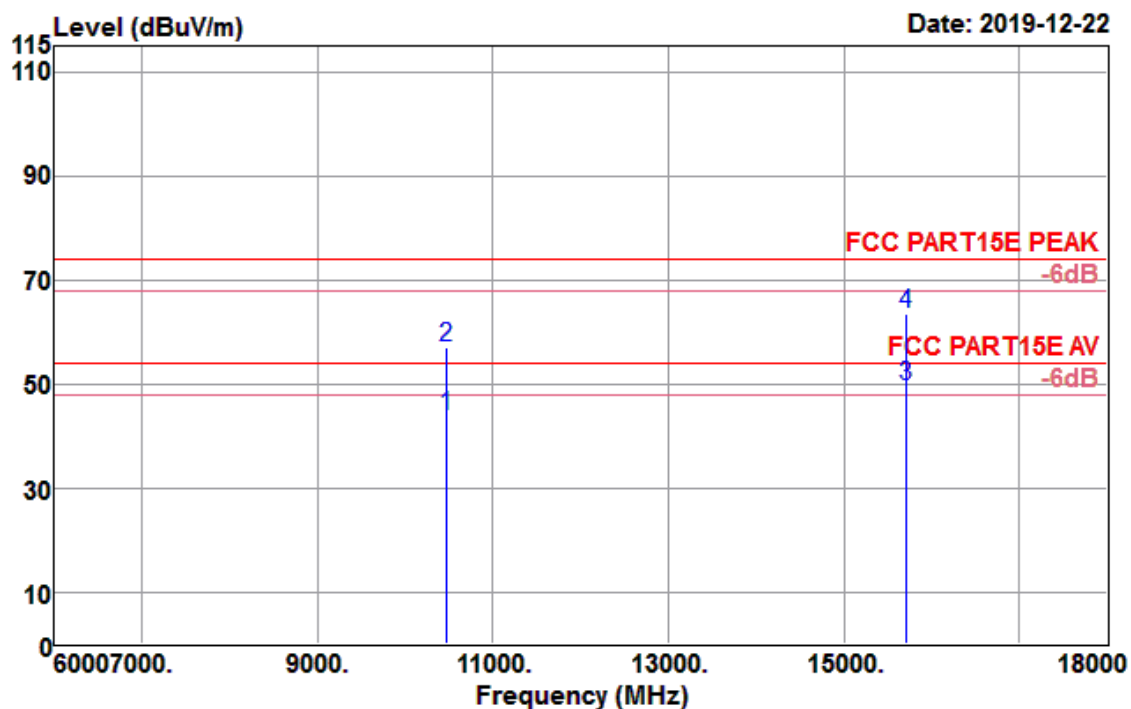
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5240.000	85.41	31.89	5.70	35.11	87.89	74.00	13.89	Peak

Test Mode :	802.11 n HT20 CH48 5240MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Vertical

Data: 278



Data: 279

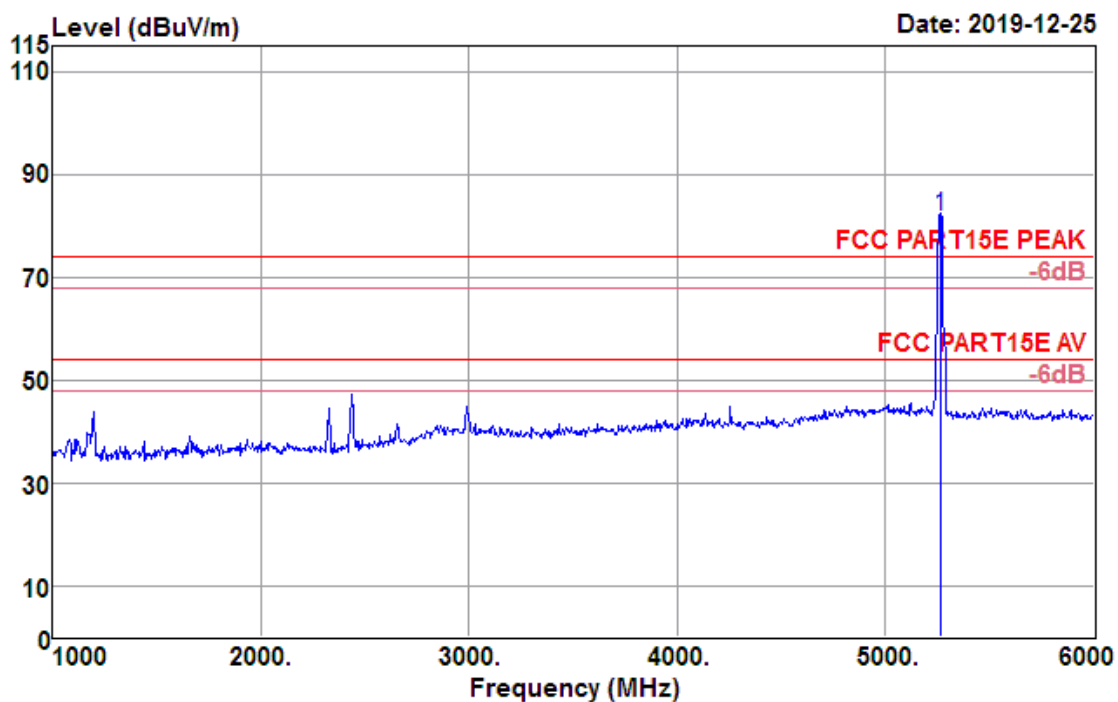


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10480.000	27.64	39.36	12.07	35.34	43.73	54.00	-10.27	Average
10480.000	40.86	39.36	12.07	35.34	56.95	74.00	-17.05	Peak
15720.000	26.89	38.47	16.15	31.81	49.70	54.00	-4.30	Average
15720.000	40.62	38.47	16.15	31.81	63.43	74.00	-10.57	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11 n HT20 CH52 5260MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Horizontal

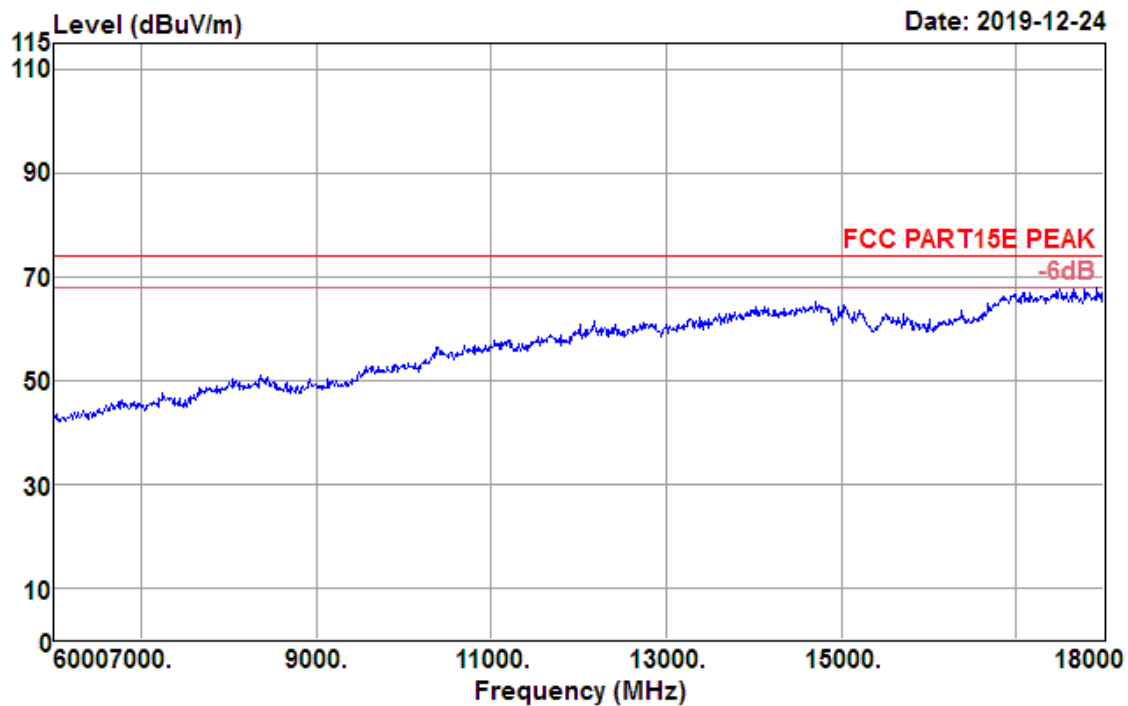
Data: 58



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5260.000	79.15	31.91	5.71	35.14	81.63	74.00	7.63	Peak

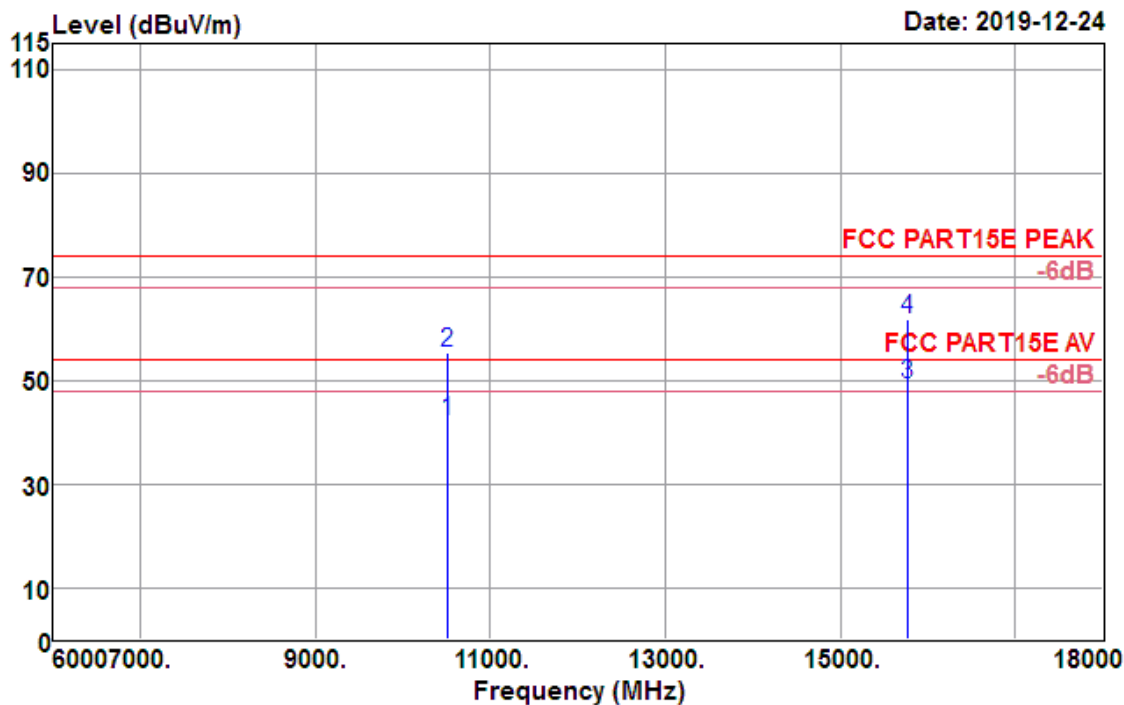
Test Mode :	802.11 n HT20 CH52 5260MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Horizontal

Data: 55



Data: 56

Date: 2019-12-24

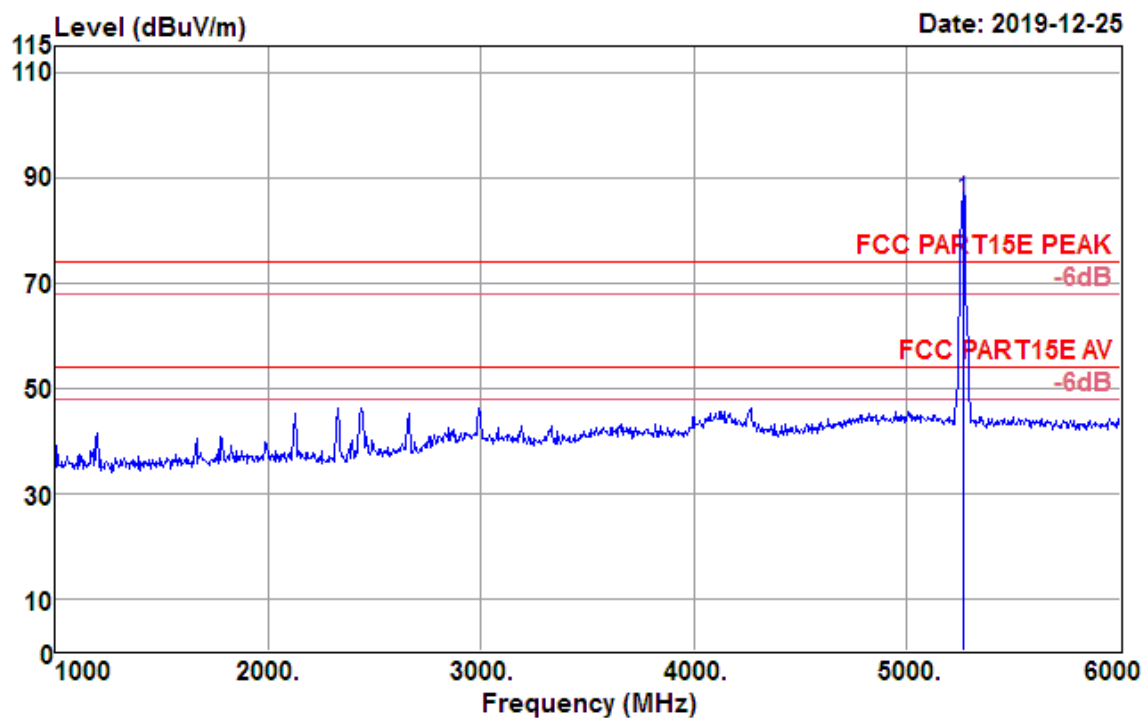


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10520.000	25.84	39.44	12.12	35.26	42.14	54.00	-11.86	Average
10520.000	38.93	39.44	12.12	35.26	55.23	74.00	-18.77	Peak
15780.000	26.50	38.28	16.09	31.79	49.08	54.00	-4.92	Average
15780.000	39.33	38.28	16.09	31.79	61.91	74.00	-12.09	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11 n HT20 CH52 5260MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Vertical

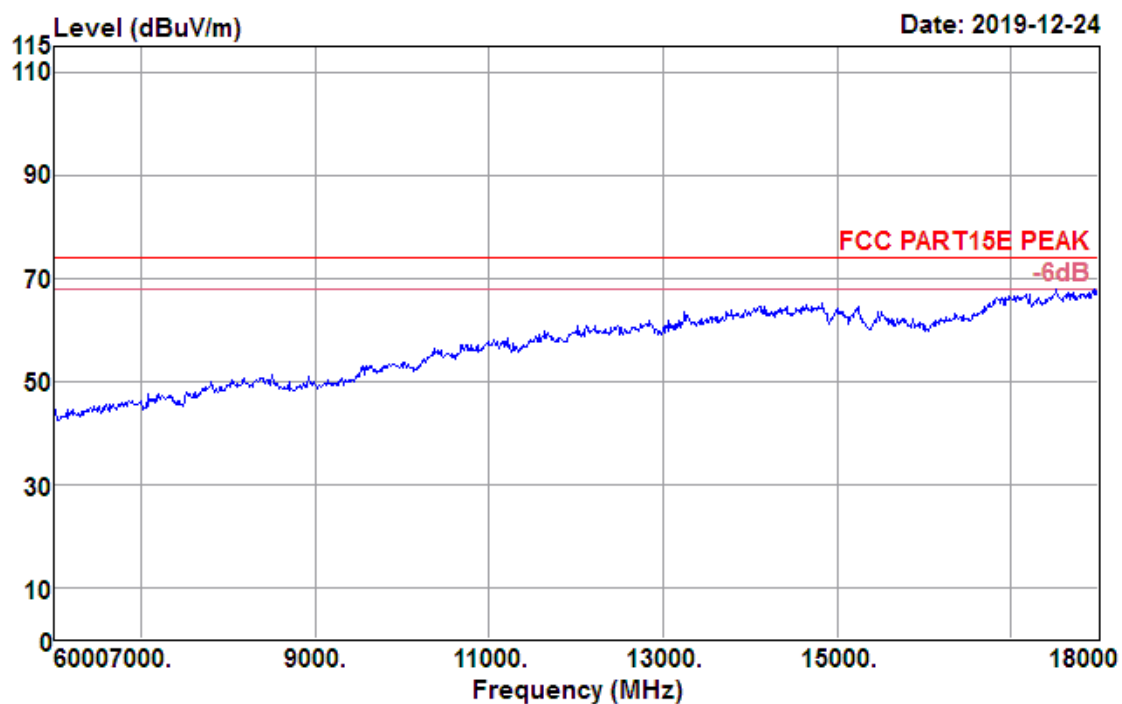
Data: 59



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5260.000	83.04	31.91	5.71	35.14	85.52	74.00	11.52	Peak

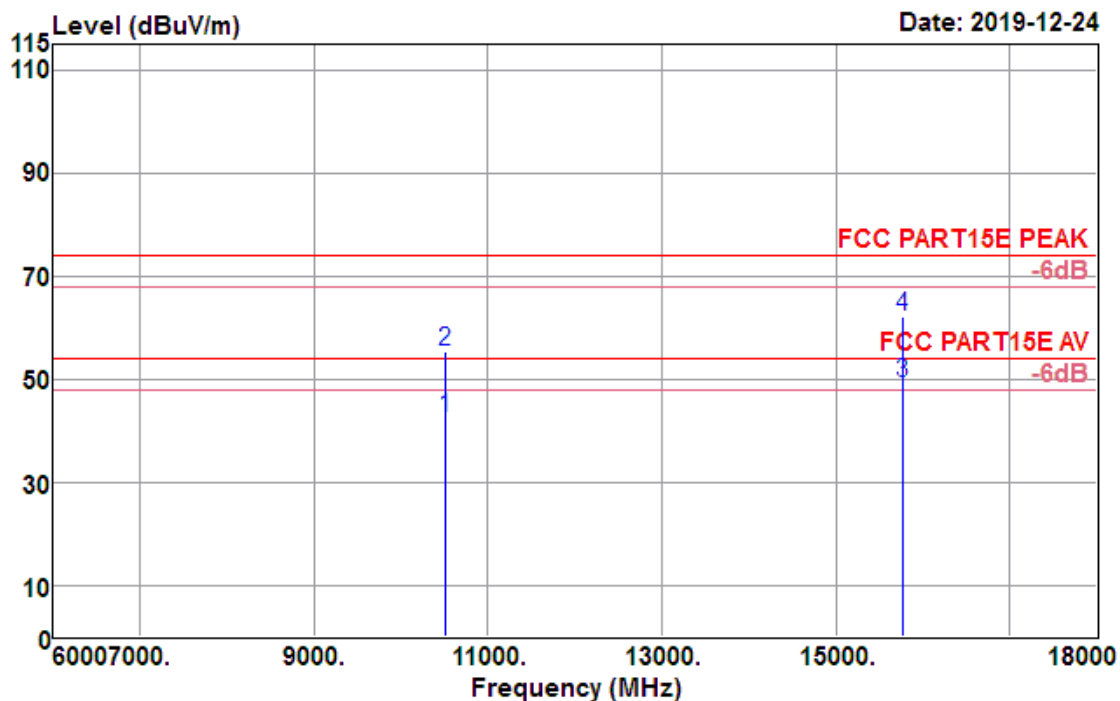
Test Mode :	802.11 n HT20 CH52 5260MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Vertical

Data: 57



Data: 60

Date: 2019-12-24

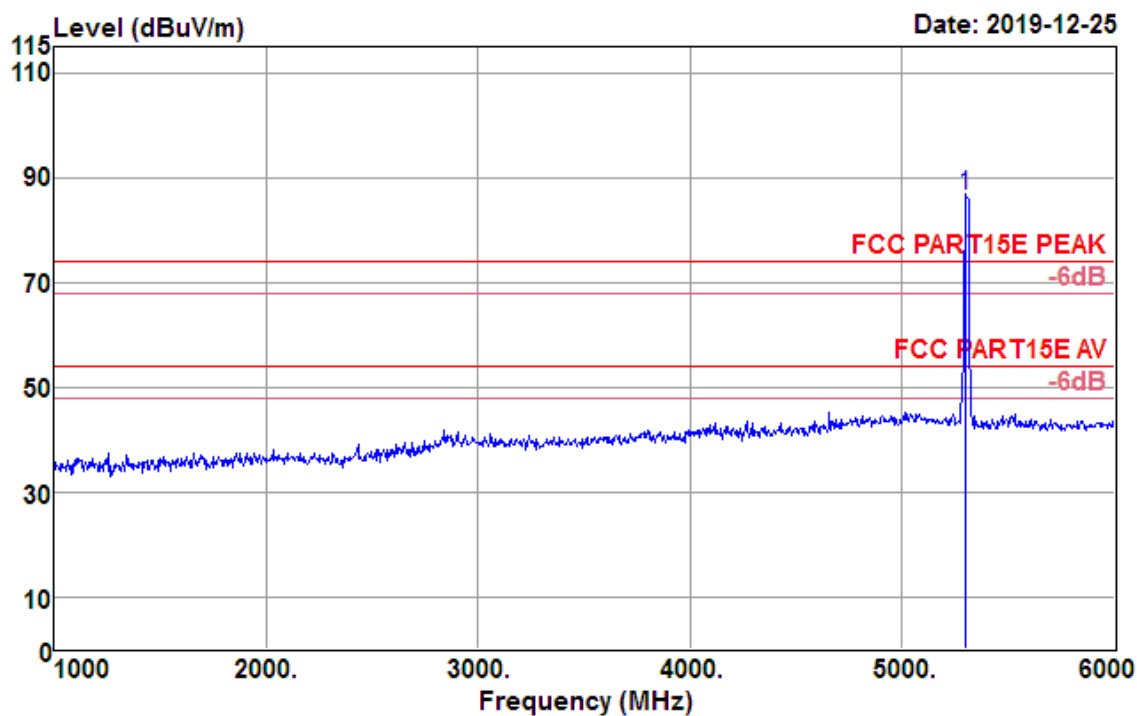


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10520.000	26.20	39.44	12.12	35.26	42.50	54.00	-11.50	Average
10520.000	39.12	39.44	12.12	35.26	55.42	74.00	-18.58	Peak
15780.000	26.60	38.28	16.09	31.79	49.18	54.00	-4.82	Average
15780.000	39.64	38.28	16.09	31.79	62.22	74.00	-11.78	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11 n HT20 CH60 5300MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Horizontal

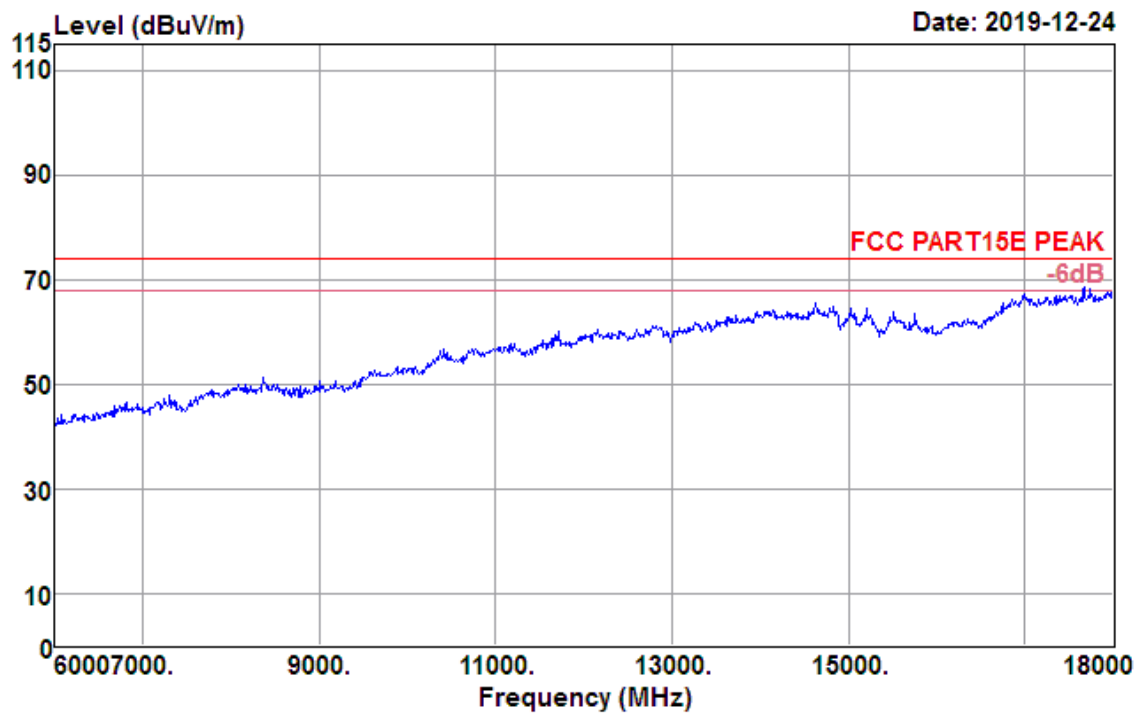
Data: 61



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5300.000	84.23	31.94	5.71	35.21	86.67	74.00	12.67	Peak

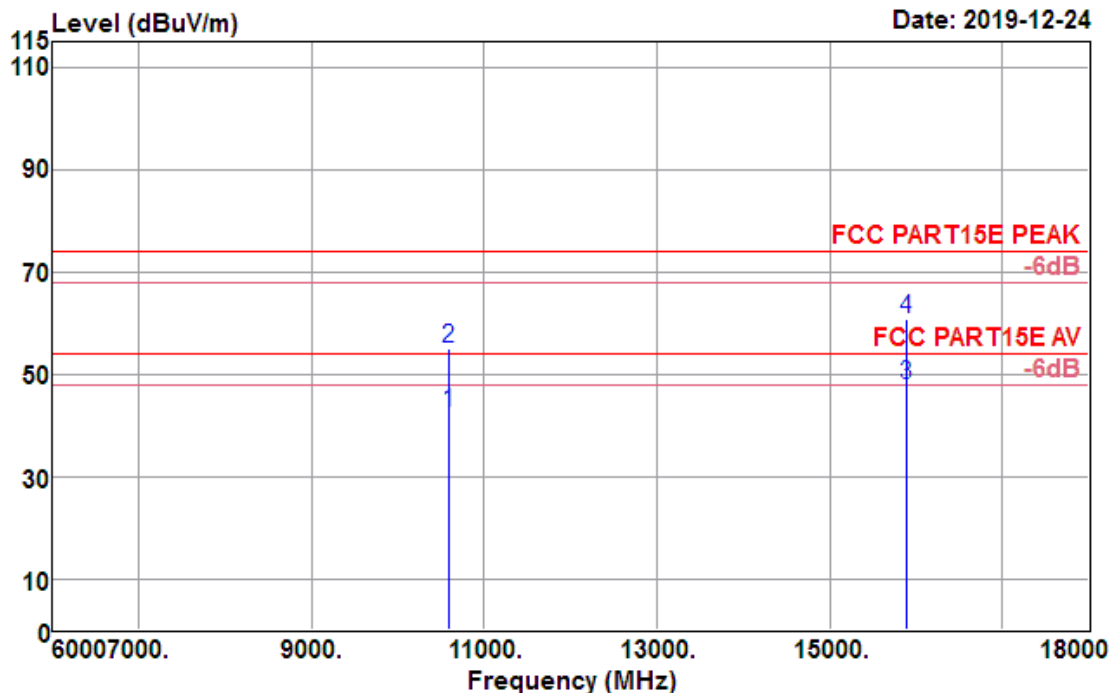
Test Mode :	802.11 n HT20 CH60 5300MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Horizontal

Data: 64



Data: 65

Date: 2019-12-24

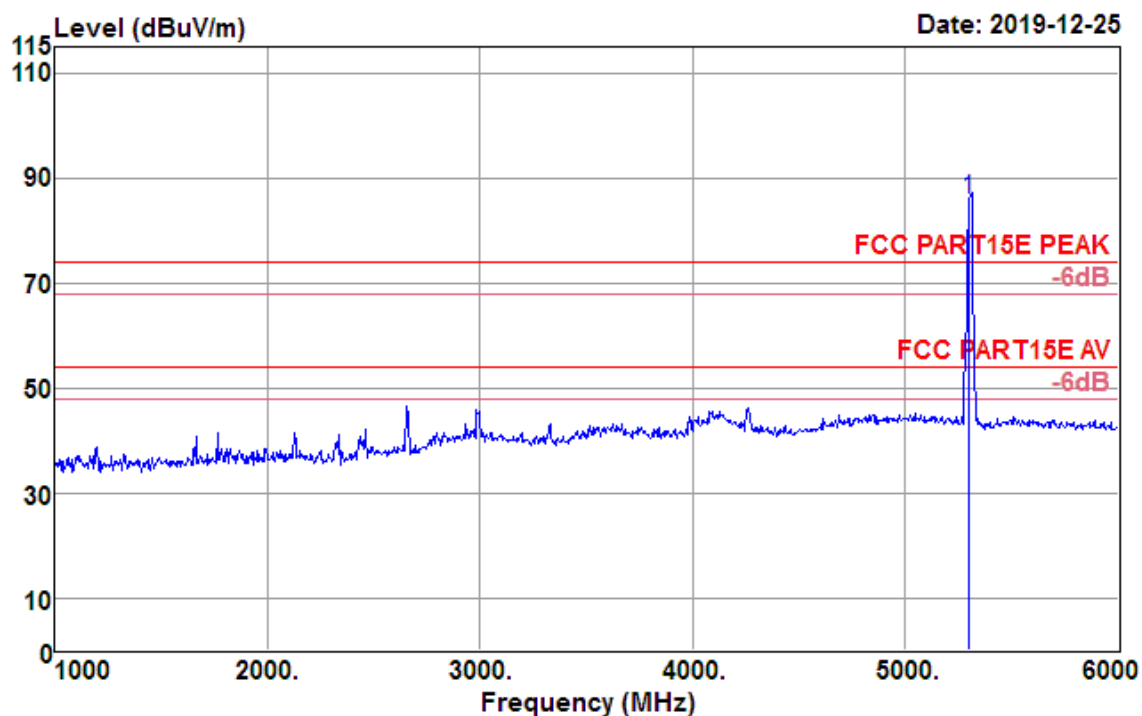


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
10600.000	25.74	39.58	12.22	35.08	42.46	54.00	-11.54	Average
10600.000	38.17	39.58	12.22	35.08	54.89	74.00	-19.11	Peak
15900.000	25.79	37.91	15.96	31.74	47.92	54.00	-6.08	Average
15900.000	38.54	37.91	15.96	31.74	60.67	74.00	-13.33	Peak

Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Test Mode :	802.11 n HT20 CH60 5300MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	1GHz~6GHz	Polarization :	Vertical

Data: 66



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5300.000	83.47	31.94	5.71	35.21	85.91	74.00	11.91	Peak

Test Mode :	802.11 n HT20 CH60 5300MHz	Temperature :	21~23℃
Test Engineer :	Jack Liu	Relative Humidity :	63~65%
Frequency Range	6GHz~18GHz	Polarization :	Vertical

Data: 62

