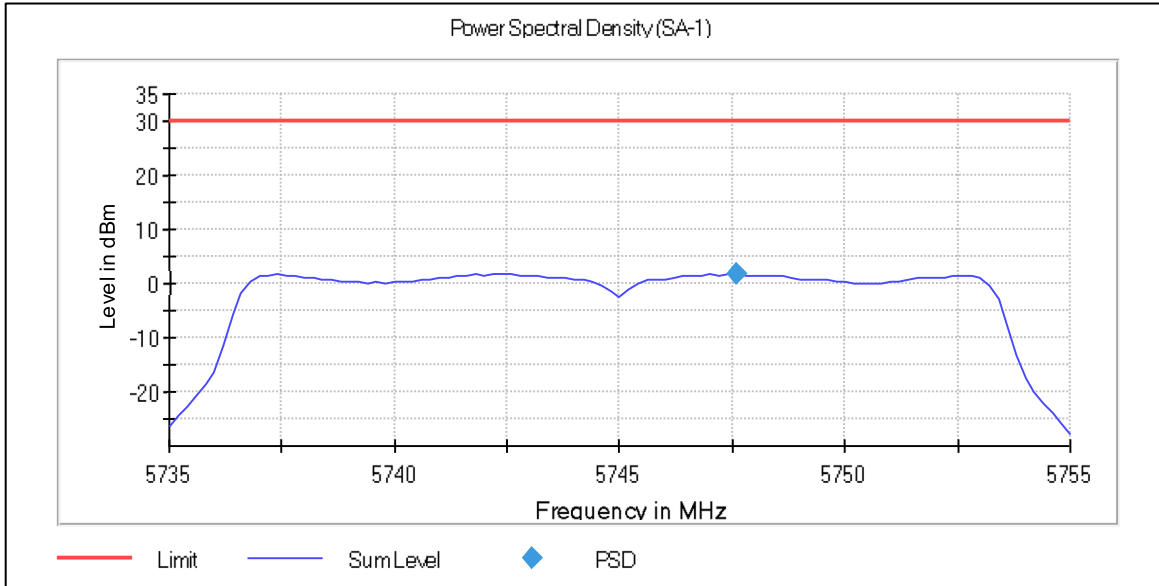
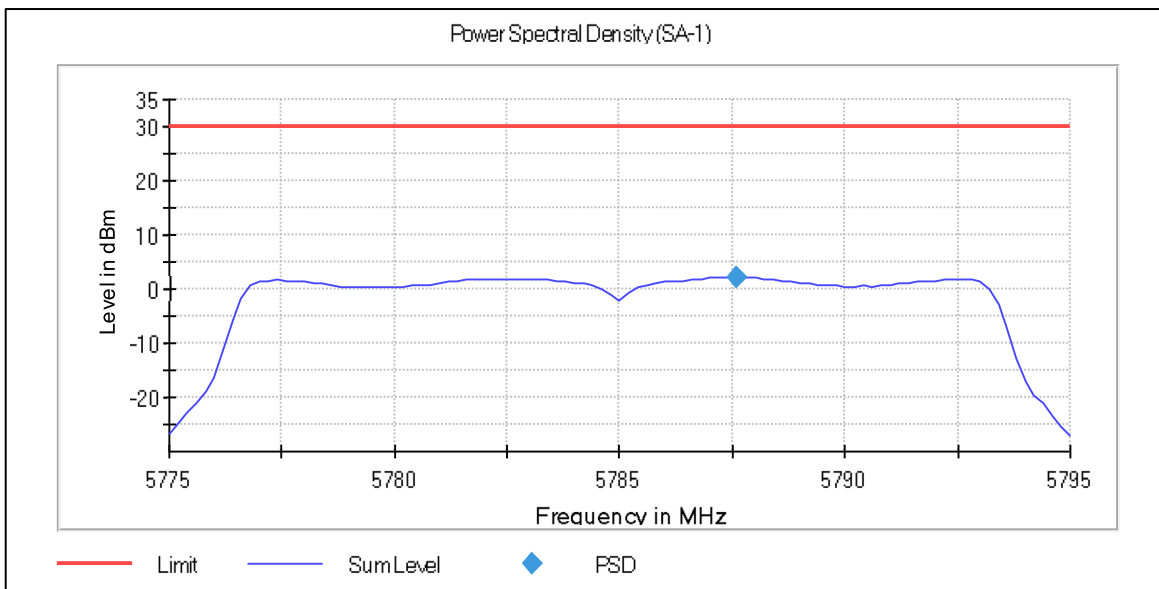


## Test result U-NII-3:

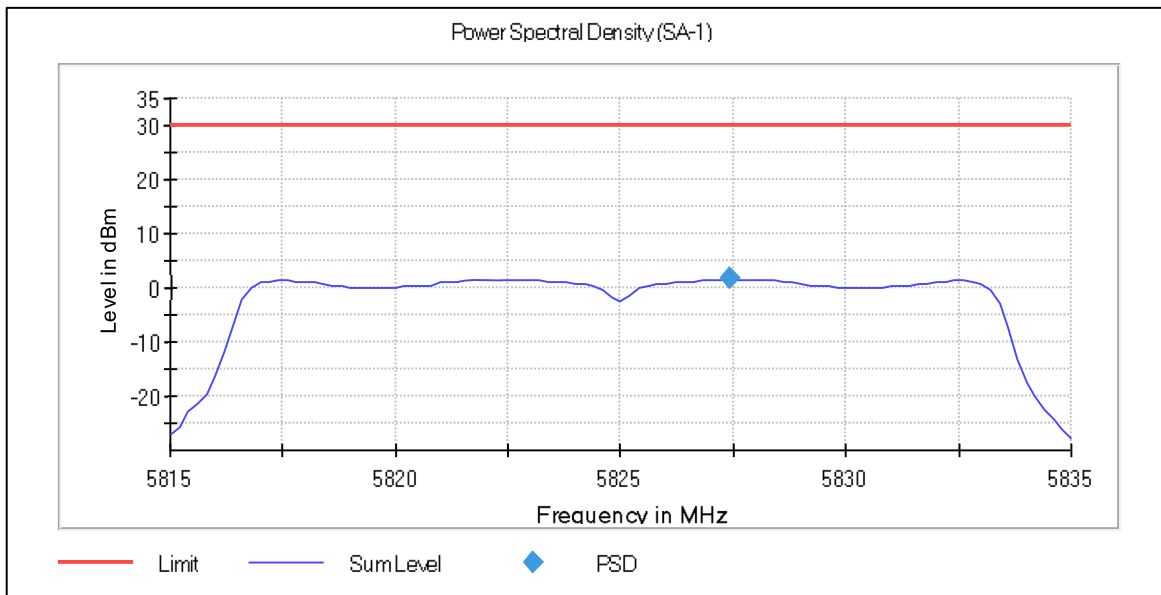
## Power Spectral Density, U-NII-3, 802.11a, 20 MHz, 6Mbps, ch149



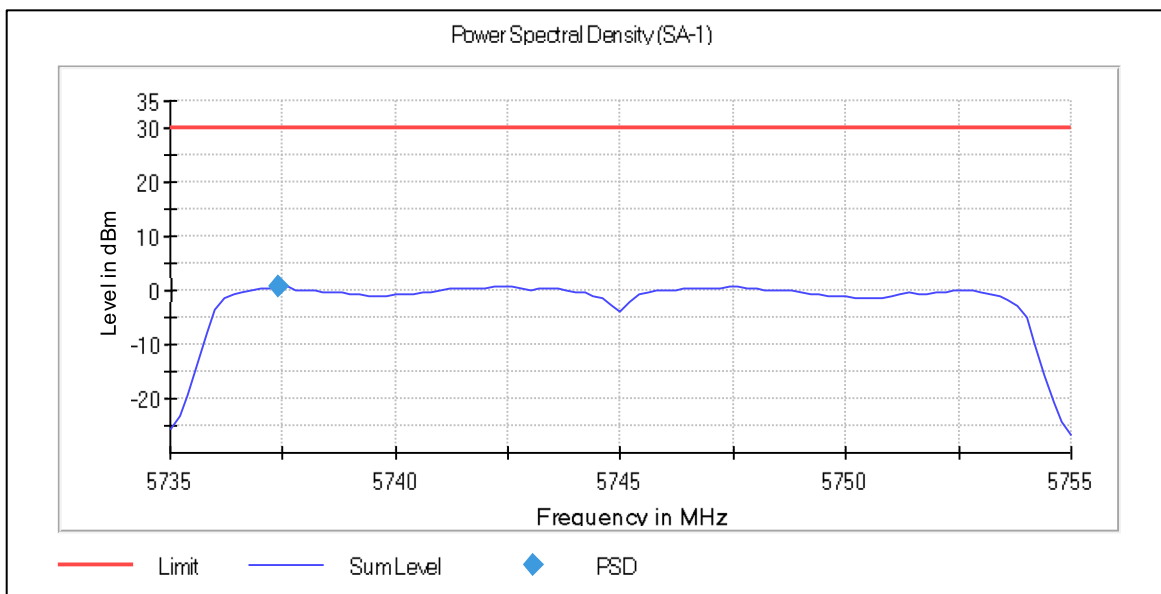
## Power Spectral Density, U-NII-3, 802.11a, 20 MHz, 6Mbps, ch157



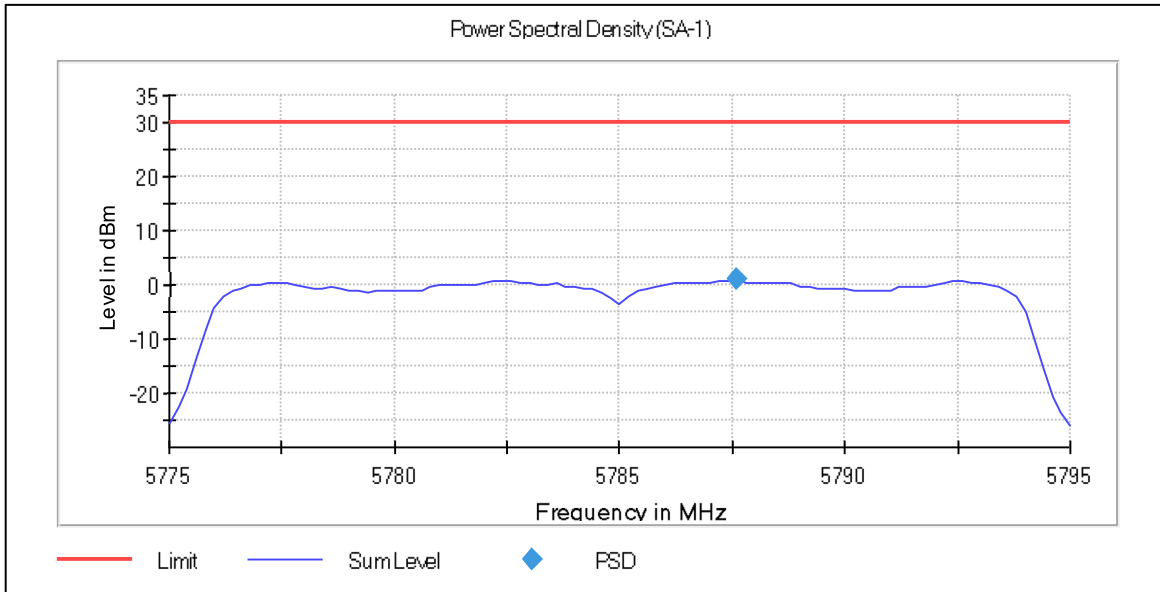
Power Spectral Density, U-NII-3, 802.11a, 20 MHz, 6Mbps, ch165



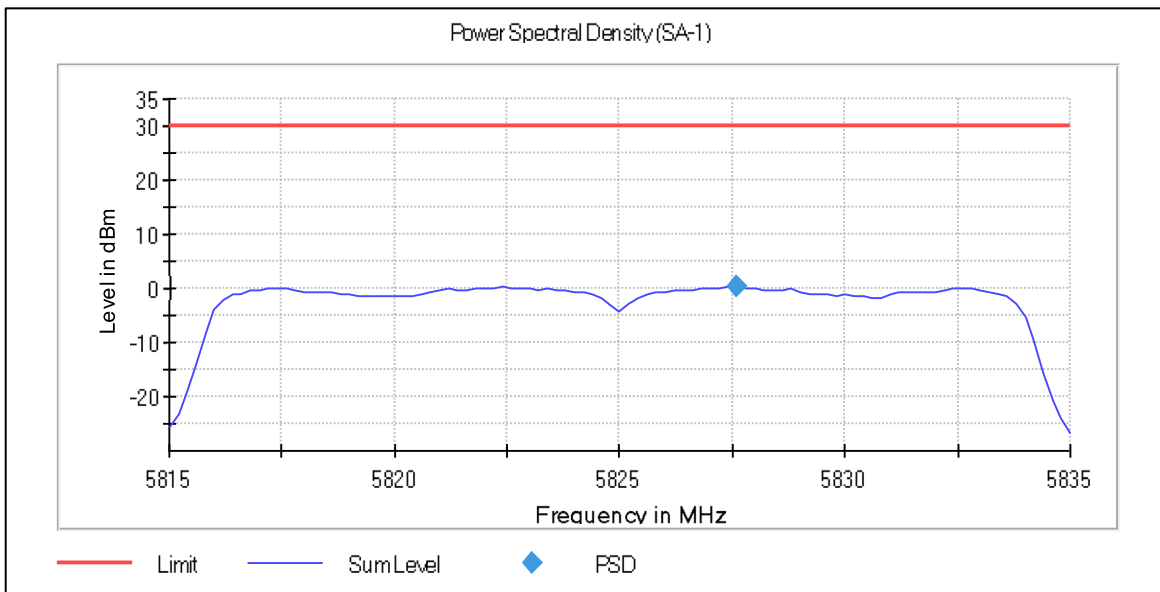
Power Spectral Density, U-NII-3, 802.11n, 20 MHz, MCS3, ch149



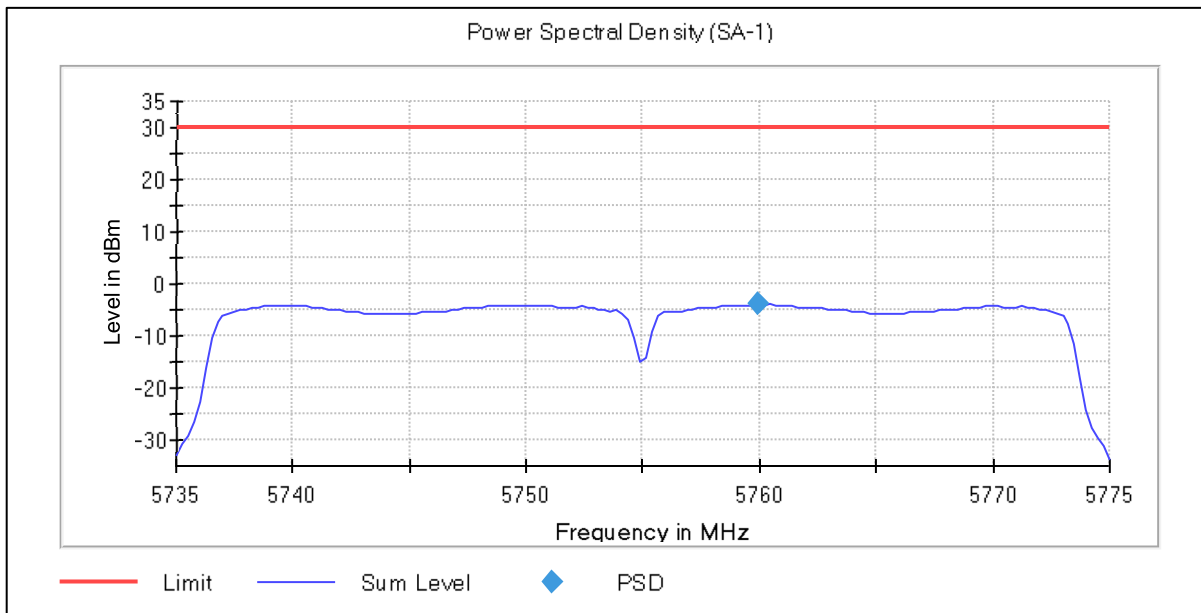
## Power Spectral Density, U-NII-3, 802.11n, 20 MHz, MCS3, ch157



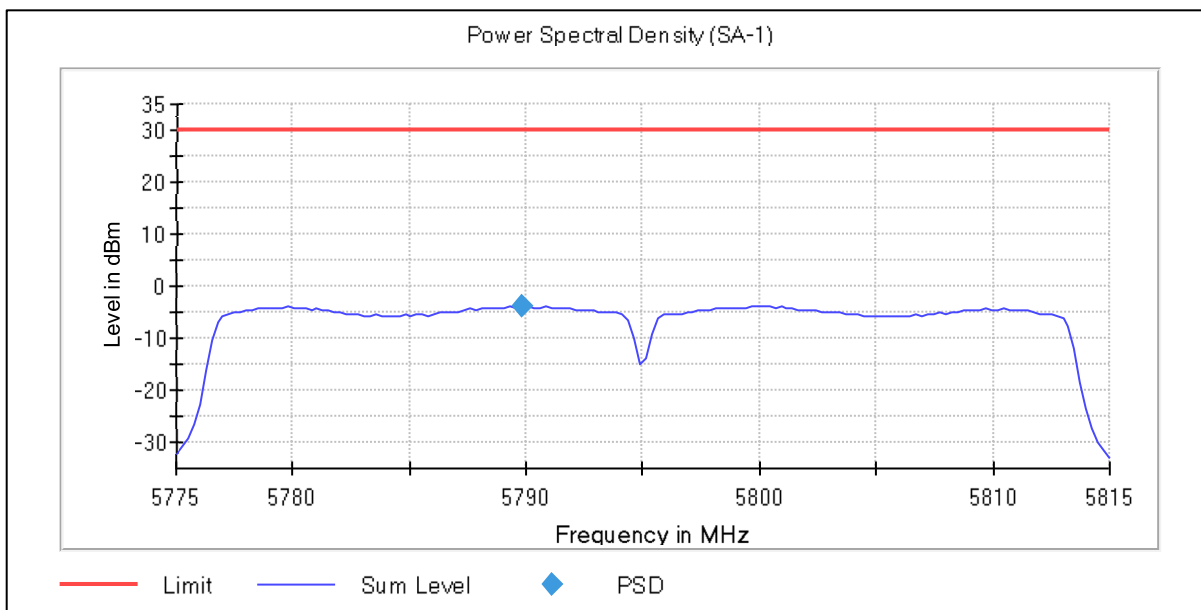
## Power Spectral Density, U-NII-3, 802.11n, 20 MHz, MCS3, ch165



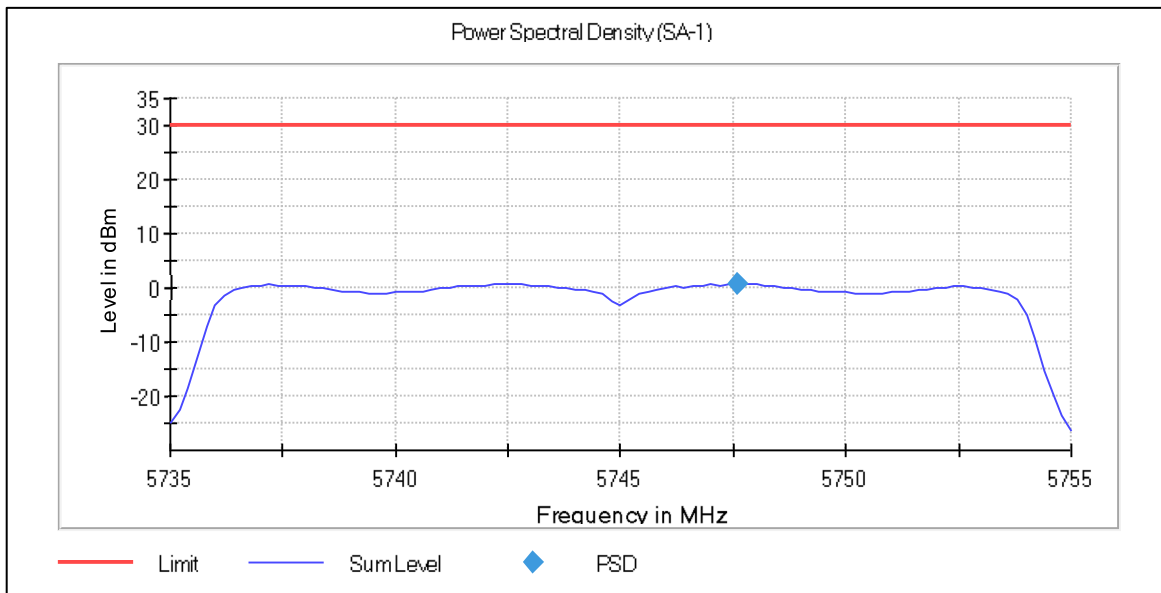
## Power Spectral Density, U-NII-3, 802.11n, 40 MHz, MCS0, ch151



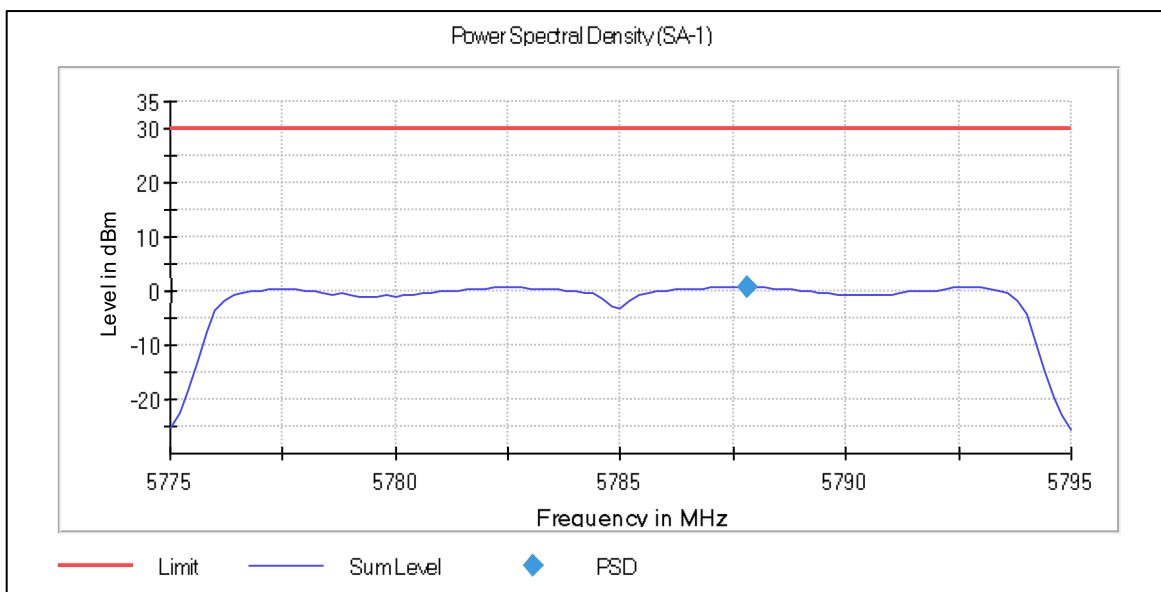
## Power Spectral Density, U-NII-3, 802.11n, 40 MHz, MCS0, ch159



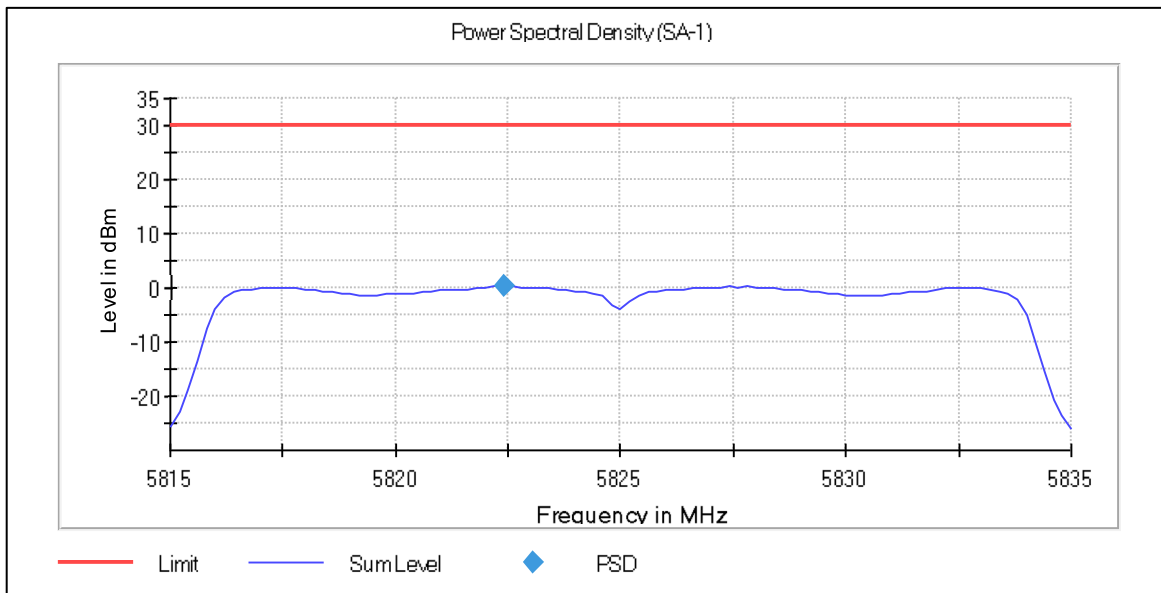
## Power Spectral Density, U-NII-3, 802.11ac, 20 MHz, MCS0, ch149



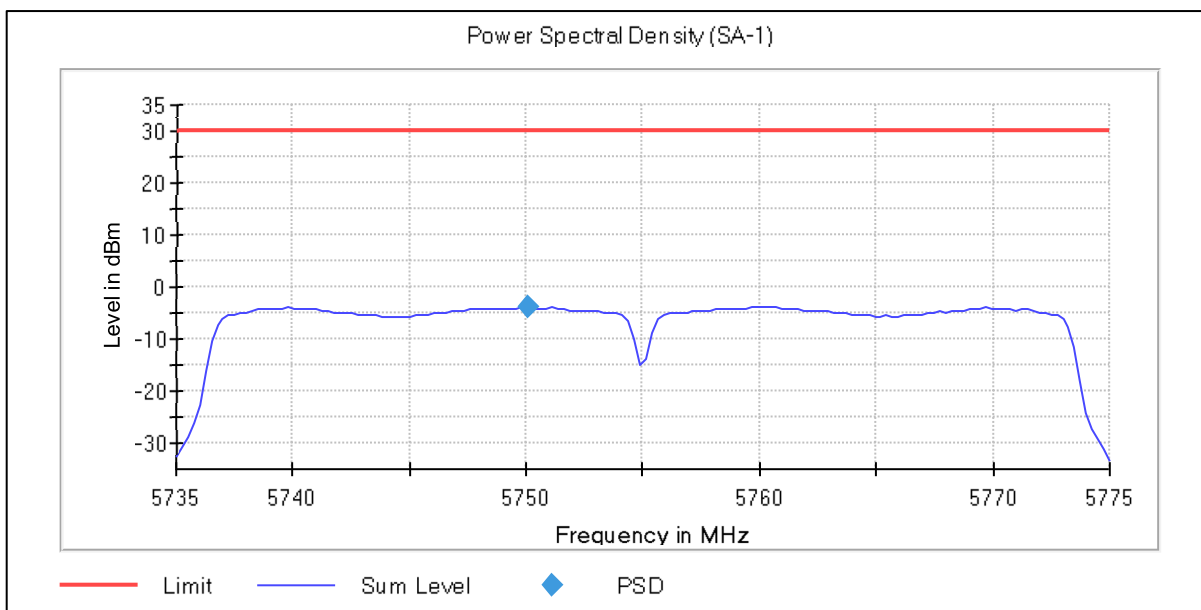
## Power Spectral Density, U-NII-3, 802.11ac, 20 MHz, MCS0, ch157



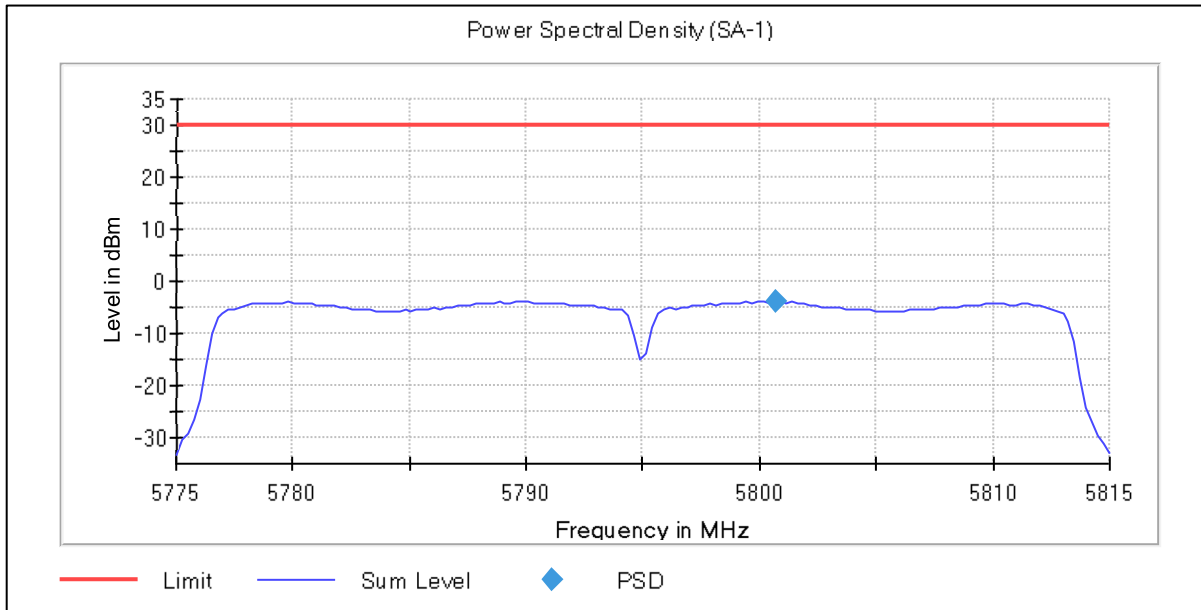
## Power Spectral Density, U-NII-3, 802.11ac, 20 MHz, MCS0, ch165



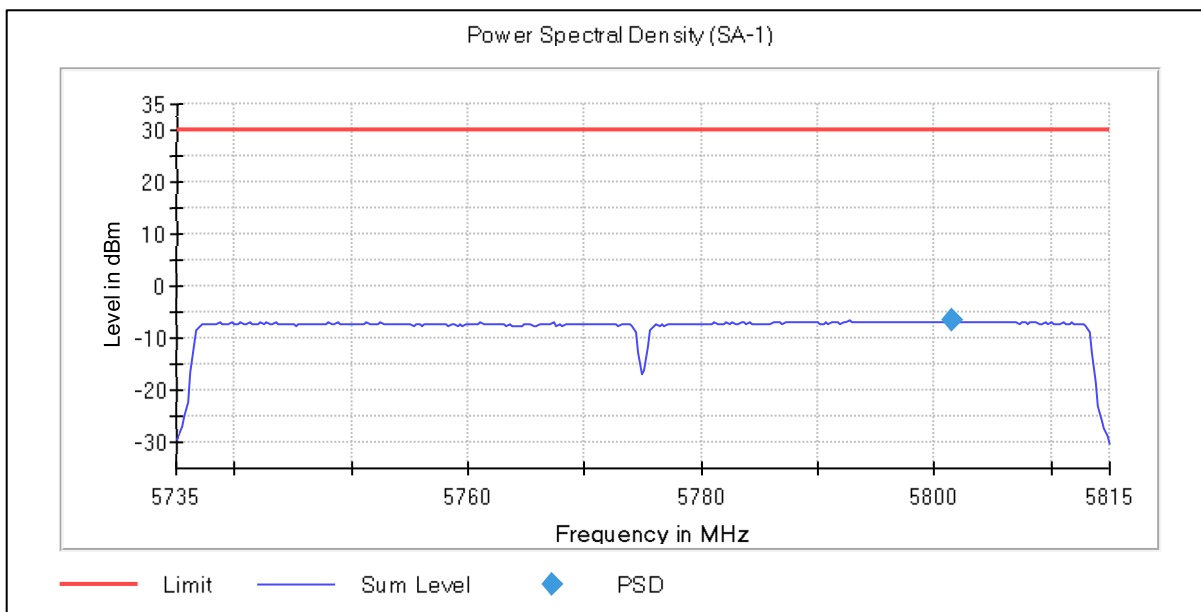
## Power Spectral Density, U-NII-3, 802.11ac, 40 MHz, MCS0, ch151



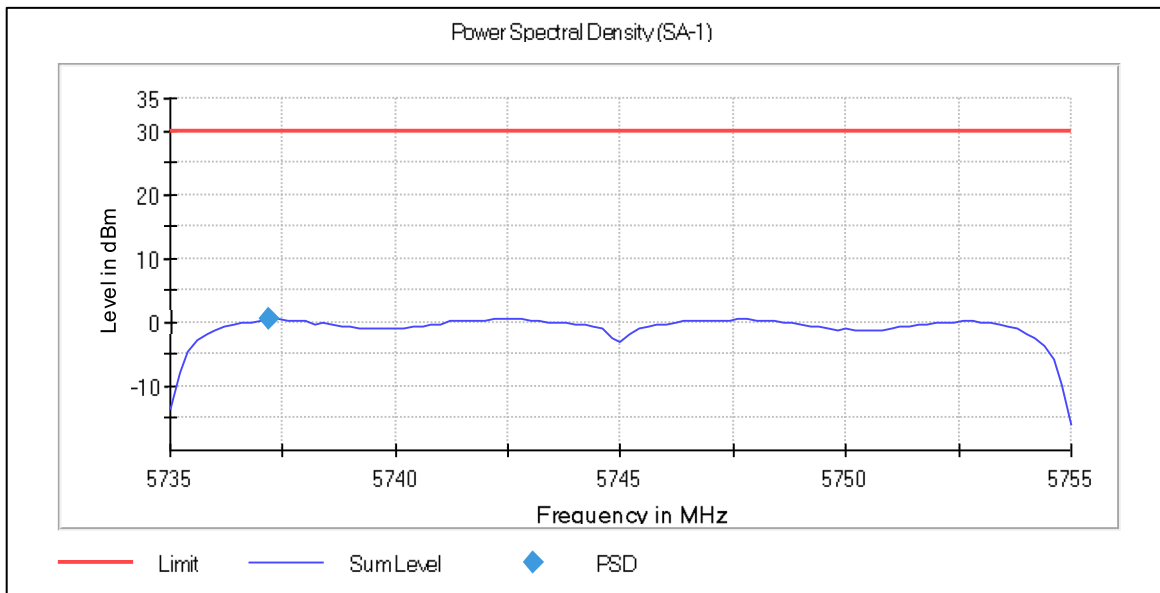
## Power Spectral Density, U-NII-3, 802.11ac, 40 MHz, MCS0, ch159



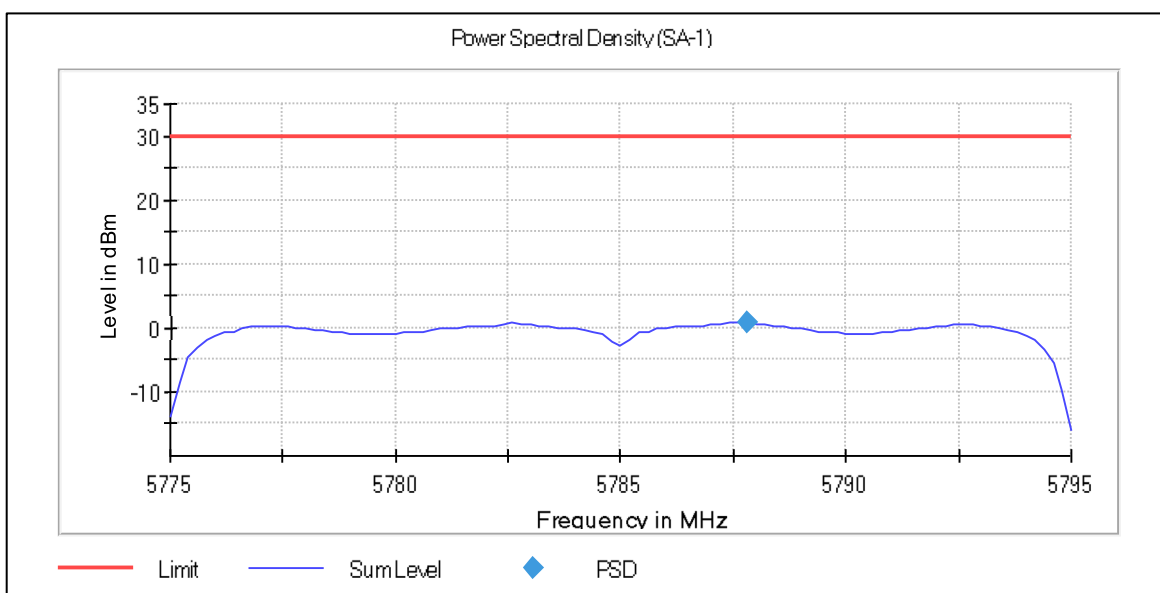
## Power Spectral Density, U-NII-3, 802.11ac, 80 MHz, MCS0, ch155



## Power Spectral Density, U-NII-3, 802.11ax HE-SU, 20 MHz, MCS0, ch149

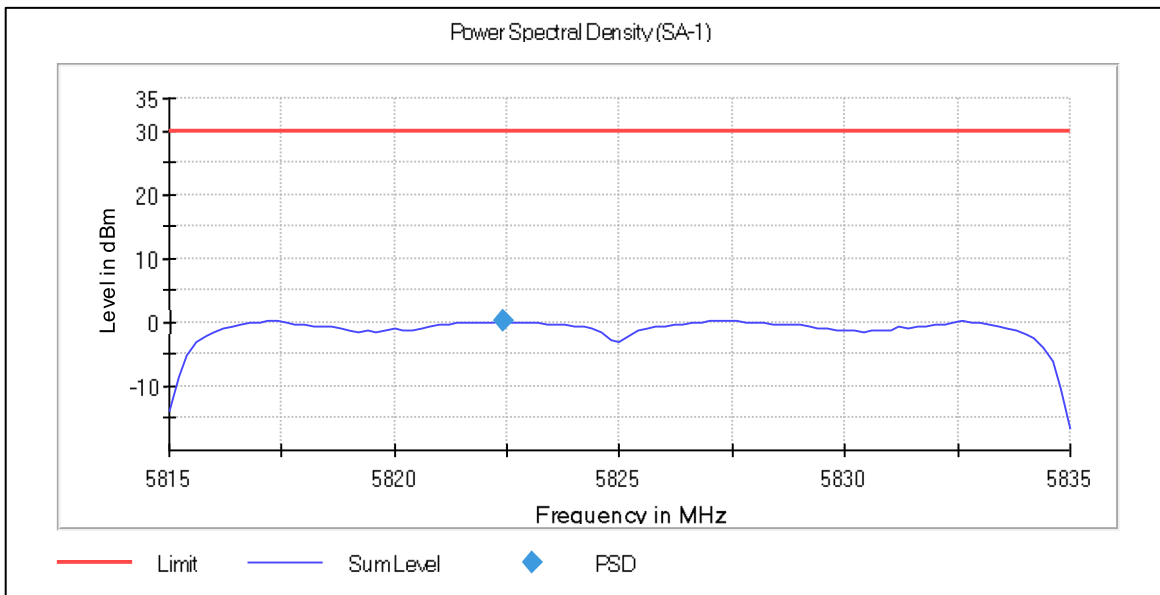


## Power Spectral Density, U-NII-3, 802.11ax HE-SU, 20 MHz, MCS0, ch157

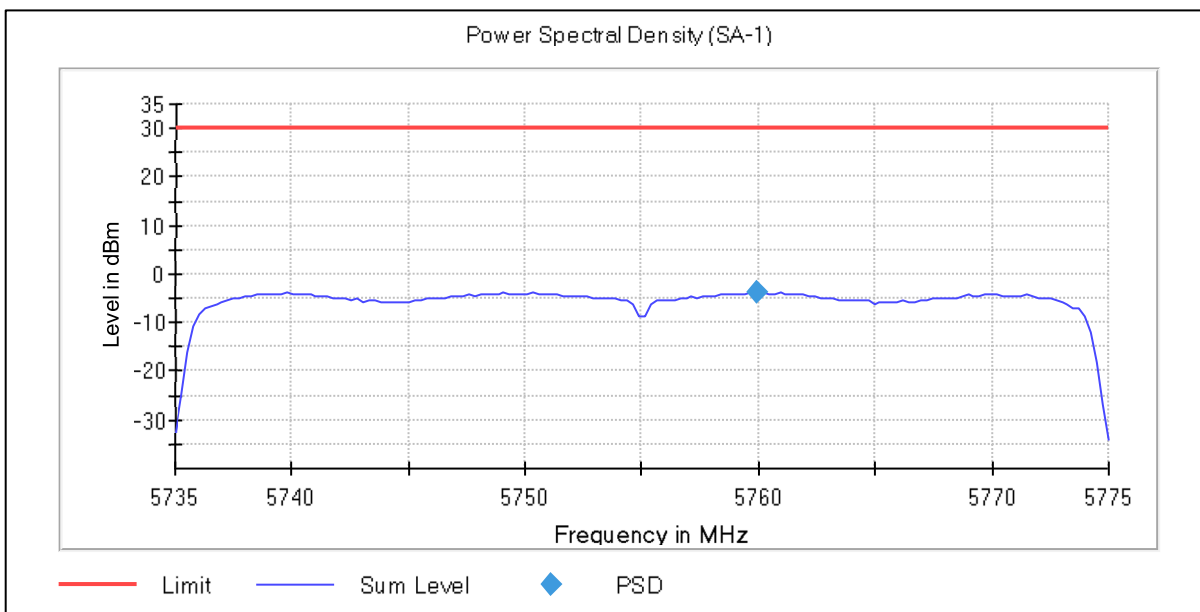




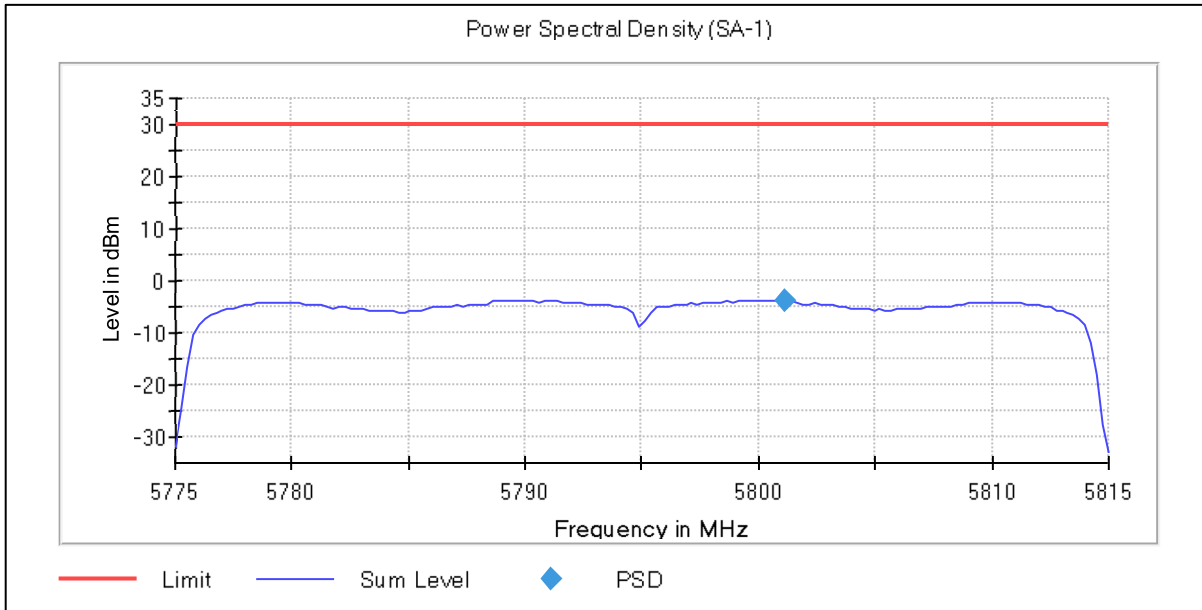
## Power Spectral Density, U-NII-3, 802.11ax HE-SU, 20 MHz, MCS0, ch165



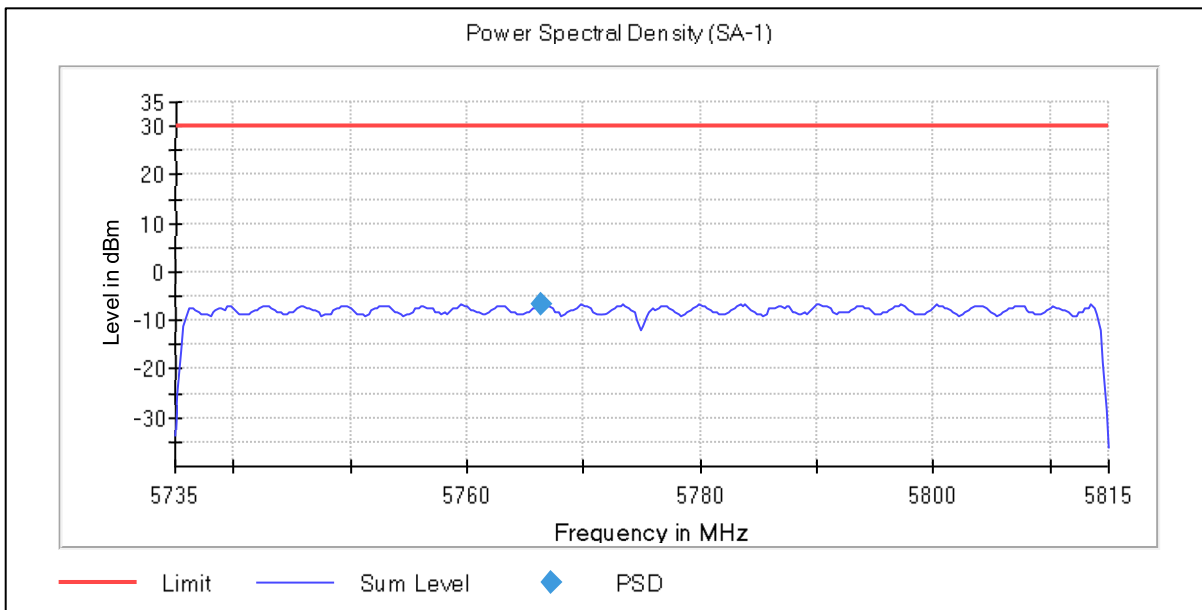
## Power Spectral Density, U-NII-3, 802.11ax HE-SU, 40 MHz, MCS0, ch151



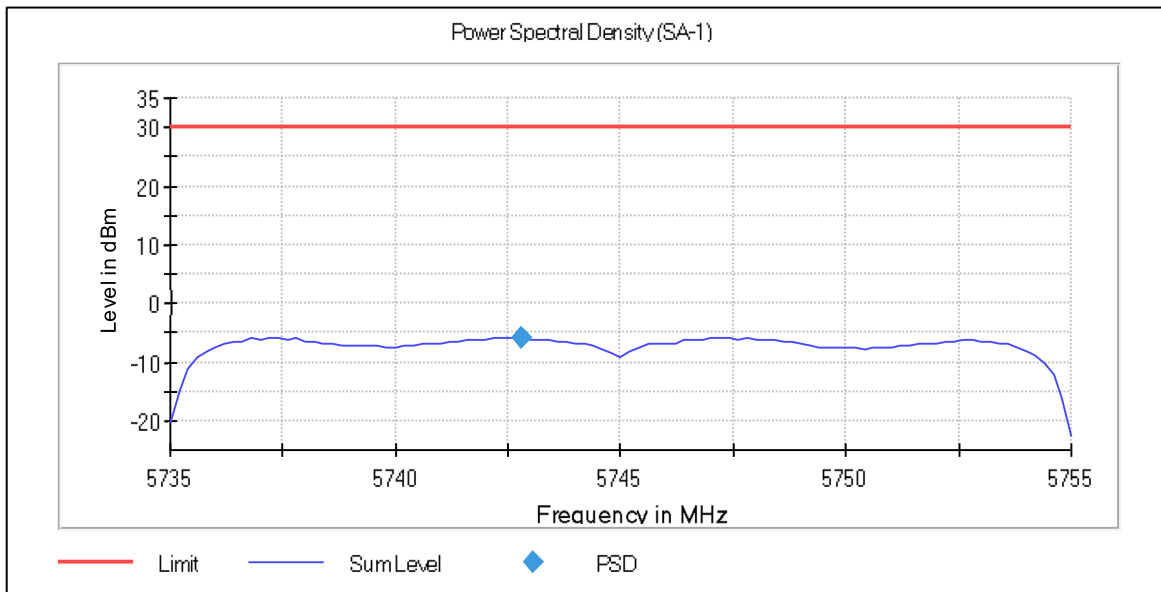
Power Spectral Density, U-NII-3, 802.11ax HE-SU, 40 MHz, MCS0, ch159



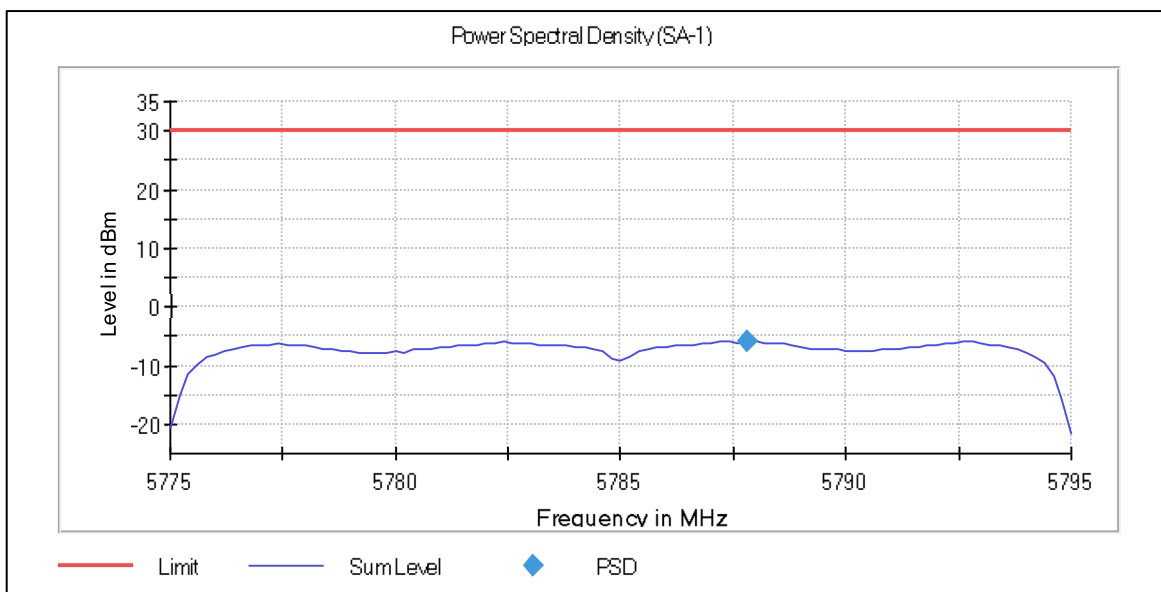
Power Spectral Density, U-NII-3, 802.11ax HE-SU, 80 MHz, MCS0, ch155



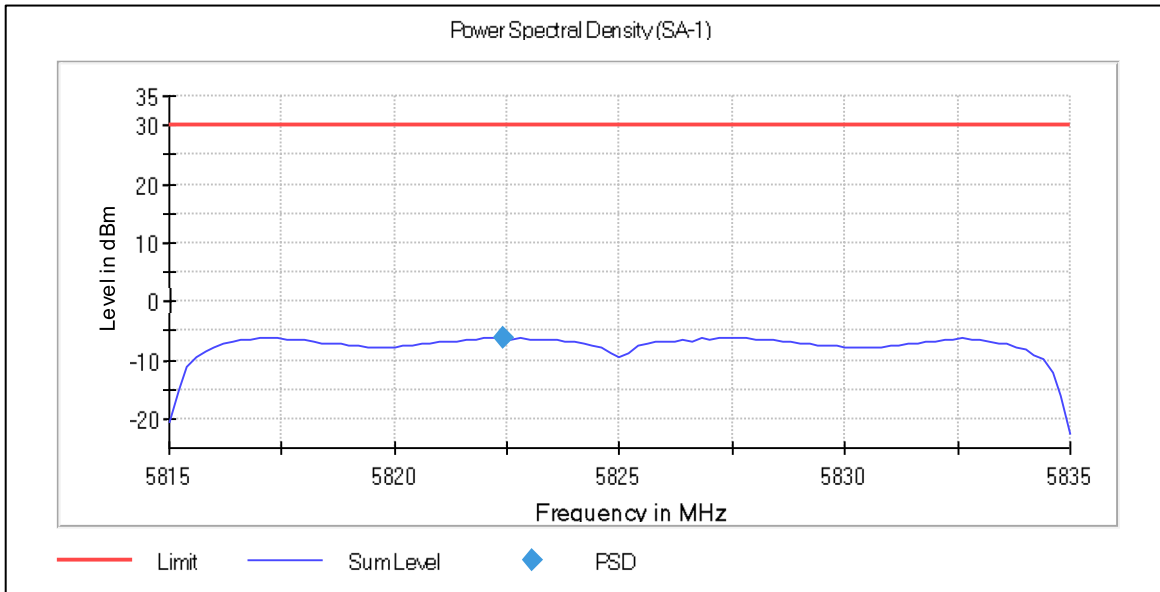
## Power Spectral Density, U-NII-3, 802.11ax HE-TB Full RU, 20 MHz, MCS0, ch149



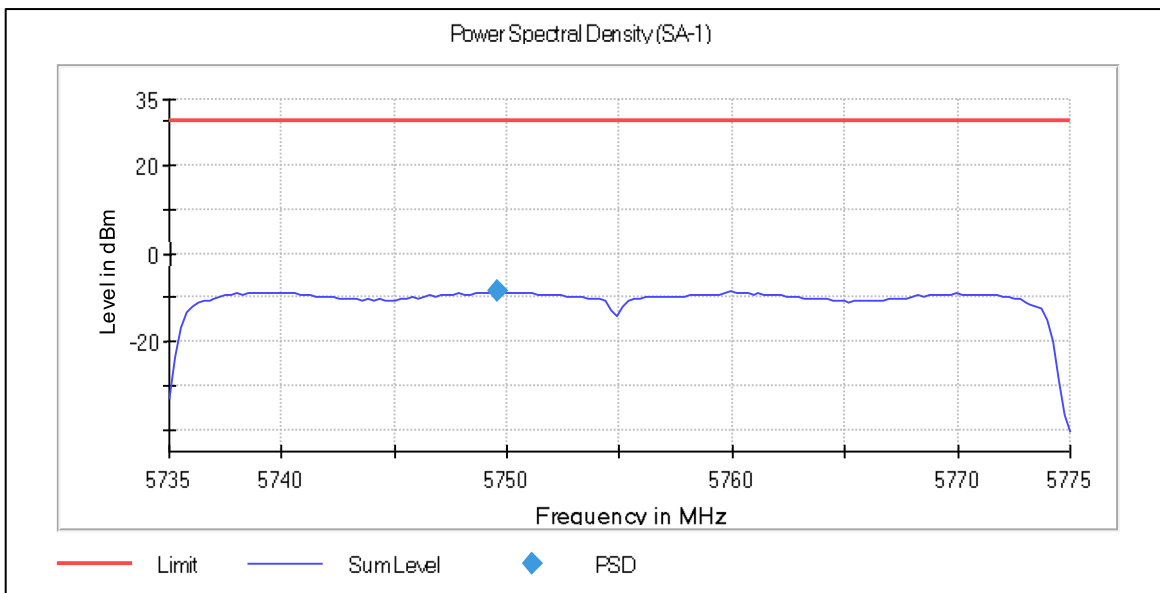
## Power Spectral Density, U-NII-3, 802.11ax HE-TB Full RU, 20 MHz, MCS0, ch157



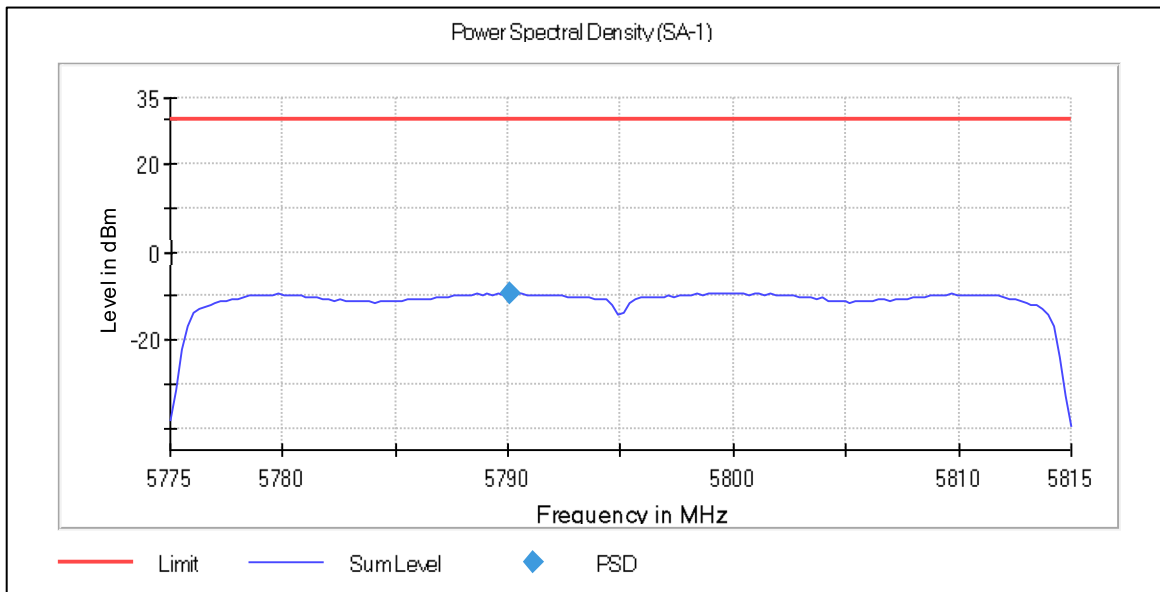
## Power Spectral Density, U-NII-3, 802.11ax HE-TB Full RU, 20 MHz, MCS0, ch165



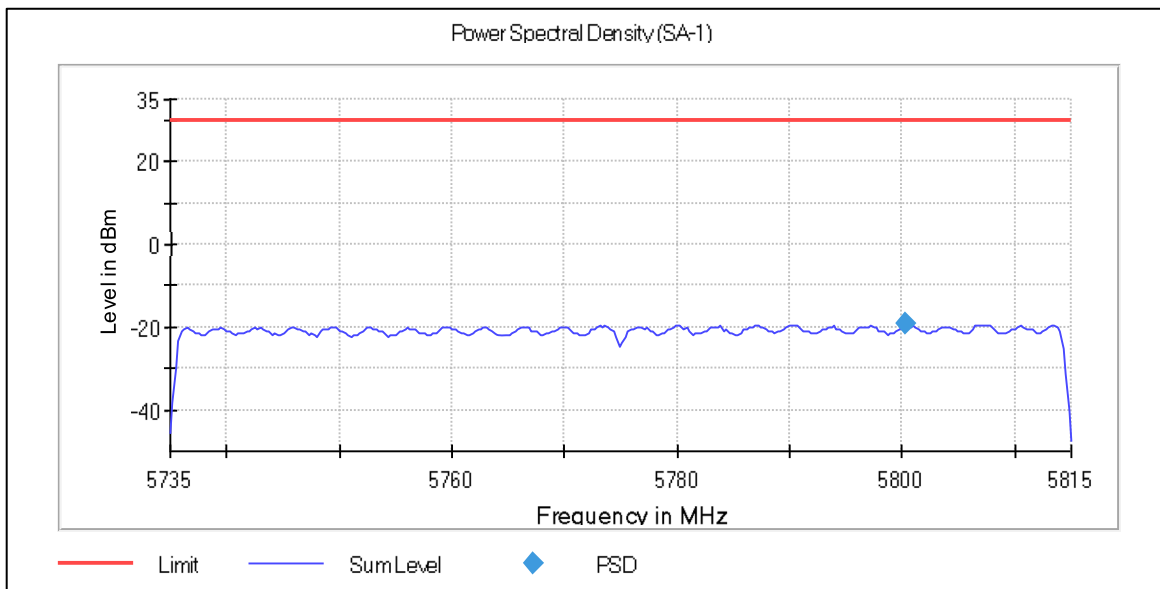
## Power Spectral Density, U-NII-3, 802.11ax HE-TB Full RU, 40 MHz, MCS0, ch151



## Power Spectral Density, U-NII-3, 802.11ax HE-TB Full RU, 40 MHz, MCS0, ch159



## Power Spectral Density, U-NII-3, 802.11ax HE-TB Full RU, 80 MHz, MCS0, ch155



## 15. Frequency stability

Reference: FCC title 47 part 15 §15.407(g),

Test method: KDB 789033 A.3, ANSI C63.10-2013 (6.8)

Limits
Emission is maintained within the band of operation under all conditions of normal operation; The frequency deviation combined with the 26 dB bandwidth edges must be within the assigned frequency band

Measurement uncertainty calculated in accordance with ETSI TR 100 024-1. Expand uncertainty (K=2) &lt; 5ppm

Test procedure with respect to ambient temperature
<ol style="list-style-type: none"> <li>1. Set the temperature control on the chamber to the highest specified in the regulatory requirements for the type of device and allow the oscillator heater and the chamber temperature to stabilize</li> <li>2. Turn the EUT OFF and place it inside the environmental temperature chamber. For devices that have oscillator heaters, energize only the heater circuit.</li> <li>3. While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 min, 5 min, and 10 min after the EUT is energized. Four measurements in total are made</li> </ol>

The host board has an operating temperature range from 0°C to +60°C. Therefore, DUT transmitting cannot be started outside of this range. Below 0°C and over +60°C frequency stability measurements were performed by starting the transmitting in the host board's extreme temperature and the "time after activation zero" measurement was written down. After that, the temperature of the DUT was allowed to settle to the desired temperature and after waiting two minutes the "time after activation 2 min" measurement was performed. After that, 3 minutes were waited and the "time after activation 5min" measurement was performed. Finally, after waiting for 5 minutes the "time after activation 10min" measurement was performed.

### Test Results – 5180 MHz – Variation of ambient temperature

Channel	Nominal Frequency (MHz)	Voltage (V)	Temperature (°C)	Time after activation	Frequency (MHz)	Deviation (kHz)
36	5180	Nom	85	0	5179.989	-11
36	5180	Nom	85	2	5180.036	36
36	5180	Nom	85	5	5180.038	38
36	5180	Nom	85	10	5180.043	43
36	5180	Nom	75	0	5179.989	-11
36	5180	Nom	75	2	5180.013	13
36	5180	Nom	75	5	5180.003	5
36	5180	Nom	75	10	5180.000	0
36	5180	Nom	65	0	5179.98	-20
36	5180	Nom	65	2	5180.006	6
36	5180	Nom	65	5	5180.003	3
36	5180	Nom	65	10	5180.007	7
36	5180	Nom	55	0	5179.979	-21
36	5180	Nom	55	2	5179.987	-13

Channel	Nominal Frequency (MHz)	Voltage (V)	Temperature (°C)	Time after activation	Frequency (MHz)	Deviation (kHz)
36	5180	Nom	55	5	5179,994	-6
36	5180	Nom	55	10	5179,989	-11
36	5180	Nom	45	0	5179,991	-9
36	5180	Nom	45	2	5179,997	-3
36	5180	Nom	45	5	5180,006	6
36	5180	Nom	45	10	5180,005	5
36	5180	Nom	35	0	5179,979	-21
36	5180	Nom	35	2	5179,975	-25
36	5180	Nom	35	5	5179,976	-24
36	5180	Nom	35	10	5179,977	-23
36	5180	Nom	25	0	5179,992	-8
36	5180	Nom	25	2	5179,991	-9
36	5180	Nom	25	5	5179,996	-4
36	5180	Nom	25	10	5179,988	-12
36	5180	Nom	15	0	5180,010	10
36	5180	Nom	15	2	5180,009	9
36	5180	Nom	15	5	5180,007	7
36	5180	Nom	15	10	5180,006	6
36	5180	Nom	5	0	5179,998	-2
36	5180	Nom	5	2	5179,995	-5
36	5180	Nom	5	5	5179,995	-5
36	5180	Nom	5	10	5179,995	-5
36	5180	Nom	0	0	5180,004	4
36	5180	Nom	0	2	5180,001	1
36	5180	Nom	0	5	5180,005	5
36	5180	Nom	0	10	5180,002	2
36	5180	Nom	-10	0	5180,015	15
36	5180	Nom	-10	2	5180,011	11
36	5180	Nom	-10	5	5180,012	12
36	5180	Nom	-10	10	5180,013	13
36	5180	Nom	-20	0	5180,015	15
36	5180	Nom	-20	2	5180,019	19
36	5180	Nom	-20	5	5180,023	23
36	5180	Nom	-20	10	5180,026	26
36	5180	Nom	-30	0	5180,015	15
36	5180	Nom	-30	2	5180,013	13
36	5180	Nom	-30	5	5180,011	11
36	5180	Nom	-30	10	5180,006	6
36	5180	Nom	-40	0	5180,015	15
36	5180	Nom	-40	2	5180,010	10
36	5180	Nom	-40	5	5180,011	11
36	5180	Nom	-40	10	5180,020	20

## 16. AC power line conducted emissions

Reference: FCC title 47 part 15 §15.407 (b) (6), ISED RSS-247, Issue 3 (section 3.1)

Test method: ANSI C63.10-2013 (6.2)

Limits		
Frequency (MHz)	Quasi-Peak (dBuV)	Average (dBuV)
0.15 – 0.5	66 -56*	56 – 46*
0.5 – 5	56	46
5 - 30	60	50
*Limit decreases linearly with the logarithm of the frequency		

Operation mode(s)	Configuration	Test Verdict
WLAN 802.11ac MCS 0 channel 64, mains supply voltage 110VAC/60Hz	3938ER005+ 3938ER008	PASS

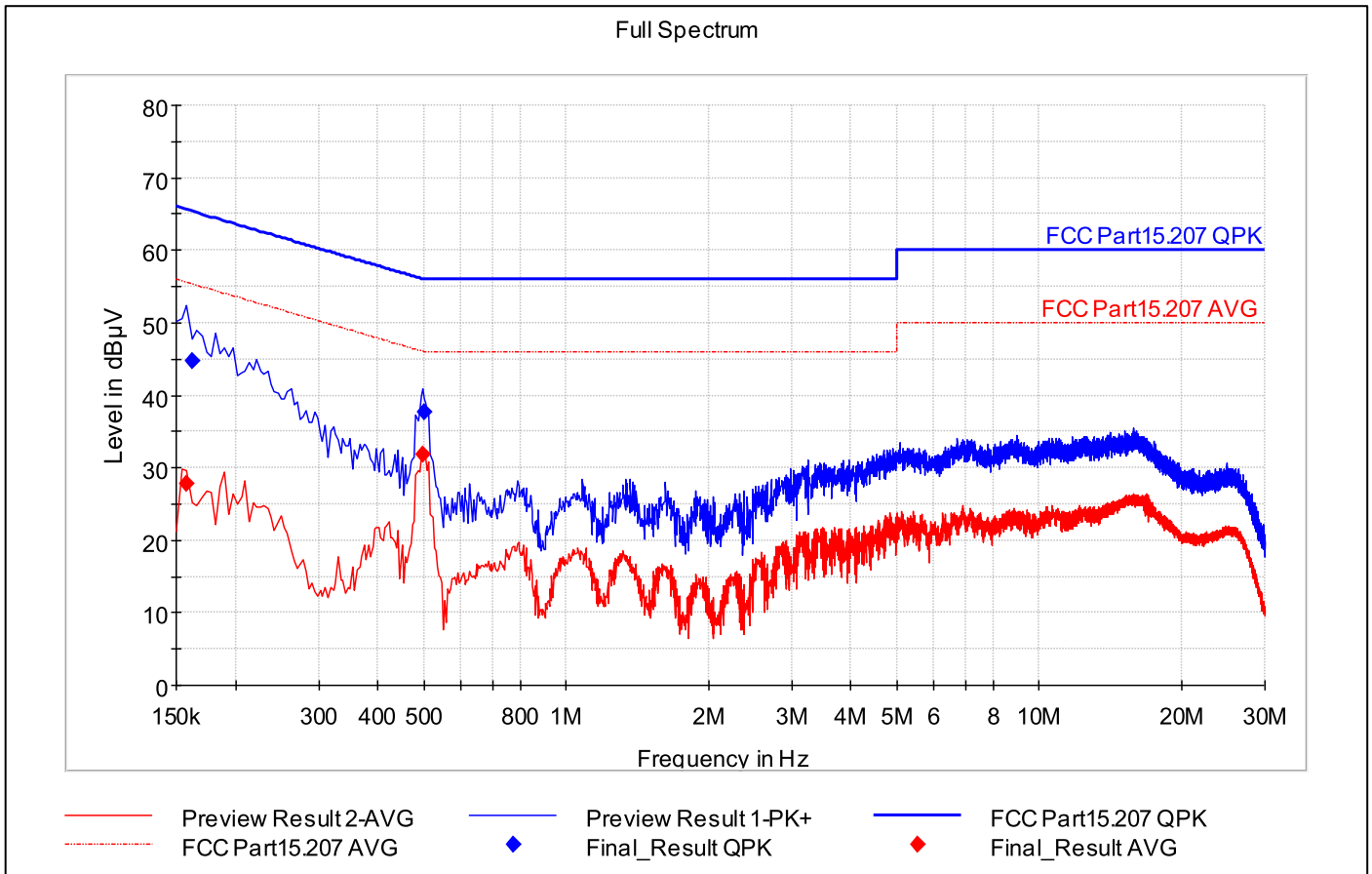
### Conducted emission at the mains power port according to 47 CFR Part 15.207

Graph and final results

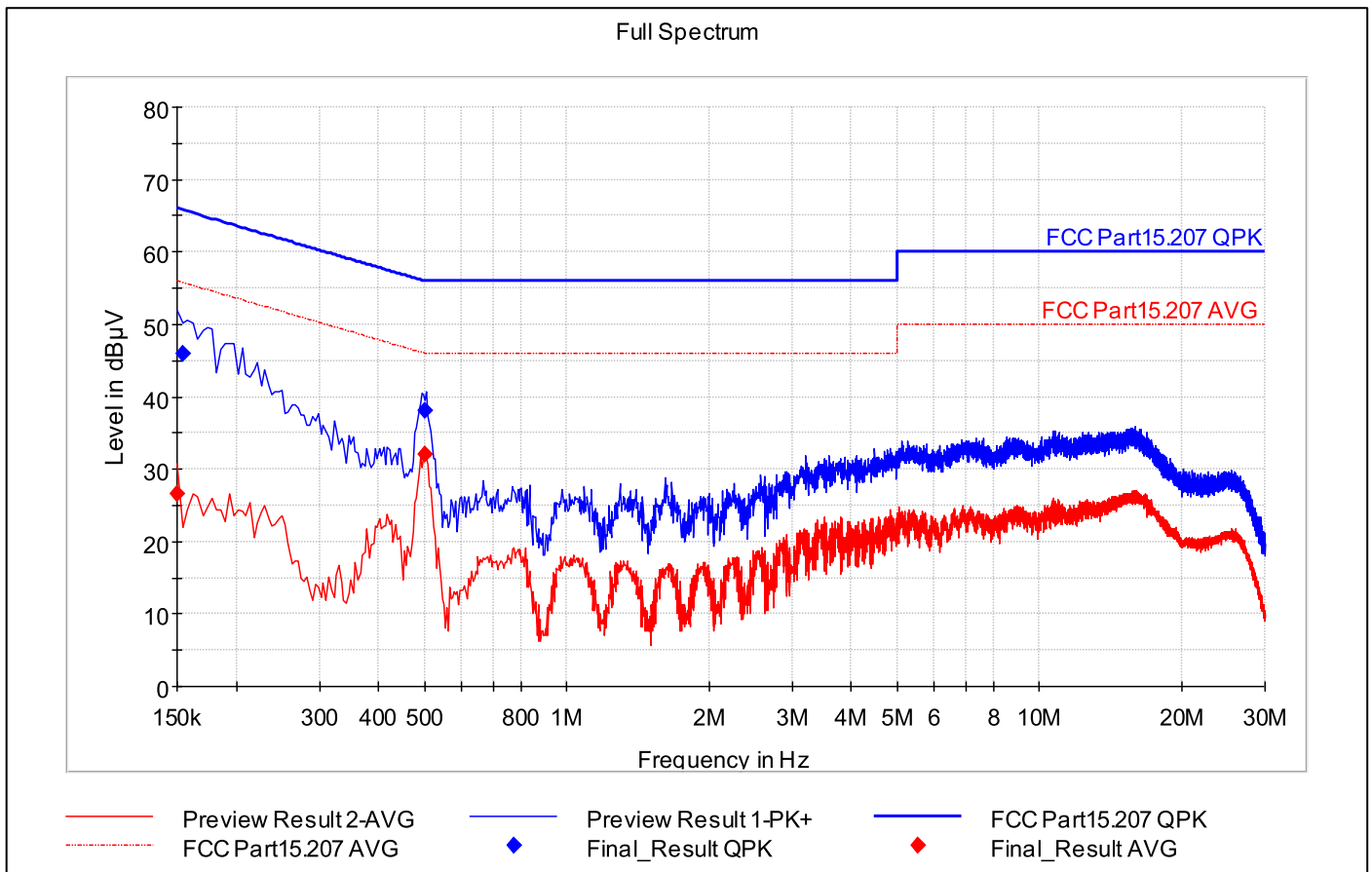
Frequency (MHz)	QuasiPeak (dB $\mu$ V)	Average (dB $\mu$ V)	Limit (dB $\mu$ V)	Margin (dB)	Meas, Time (ms)	Bandwidth (kHz)	Line	Filter	Corr, (dB)	Comment
0.158000	---	27,89	55,57	27,68	15000.0	9,00	L1	ON	9,50	PASS
0.162000	44,66	---	65,36	20,70	15000.0	9,00	L1	ON	9,50	PASS
0.498000	---	31,86	46,03	14,17	15000.0	9,00	L1	ON	9,60	PASS
0.502000	37,74	---	56,00	18,26	15000.0	9,00	L1	ON	9,60	PASS
0.150000	---	26,56	56,00	29,44	15000.0	9,00	N	ON	9,50	PASS
0.154000	45,85	---	65,78	19,93	15000.0	9,00	N	ON	9,50	PASS
0.502000	---	32,09	46,00	13,91	15000.0	9,00	N	ON	9,60	PASS
0.502000	38,14	---	56,00	17,86	15000.0	9,00	N	ON	9,60	PASS



Conducted emission graph L1 line:



Conducted emission graph N line:



## 17. Band edge emissions compliance (transmitter)

Reference: FCC title 47 part 15 §15.407 (b)(1), ISSED RSS-247, 6.2.1.1

Test method: KDB 789033 Section G, 3(d)(ii), ANSI C63.10-2013

Test procedure
For out of band measurements on the lower side, Integration method was used according to section (paragraph II.G.3.d) of FCC OET KDB 789033 D02
For the upper side of the out of band, the integration method was used as defined in the out of band measurements section (paragraph II.G.3.d) f FCC OET KDB 789033 D02

Limits – Outside restricted frequency bands and above 1 GHz (Sections 15.407(b)(1-3))	
Frequency range (MHz)	Power limit [dBm EIRP]
5150 – 5250	-27 dBm/MHz
5250 – 5350	-27 dBm/MHz
5470 - 5725	-27 dBm/MHz
5725 - 5850	-27 dBm/MHz @ ±75 MHz from band edge
5725 - 5850	10 to -27 dBm/MHz @ ±25 to ±75 MHz from band edge
5725 - 5850	15.6 to 10 dBm/MHz @ ±5 to ±25 MHz from band edge
5725 - 5850	27 to 15.6 dBm/MHz @ ±0 to ±5 MHz from band edge

### Summary:

Mode / modulation	DUT Frequency (MHz)	Result
U-NII-1, 802.11a, ch36, 20 MHz, 24 Mbps Band edge low	5180.000000	PASS
U-NII-1, 802.11a, ch48, 20 MHz, 24 Mbps Band edge high	5240.000000	PASS
U-NII-1, 802.11n, ch36, 20 MHz, MCS1 Band edge low	5180.000000	PASS
U-NII-1, 802.11n, ch48, 20 MHz, MCS1 Band edge high	5240.000000	PASS
U-NII-1, 802.11n, ch38, 40 MHz, MCS0 Band edge low	5190.000000	PASS
U-NII-1, 802.11n, ch46, 40 MHz, MCS0 Band edge high	5230.000000	PASS
U-NII-1, 802.11ac, ch36, 20 MHz, MCS2 Band edge low	5180.000000	PASS
U-NII-1, 802.11ac, ch48, 20 MHz, MCS2 Band edge high	5240.000000	PASS
U-NII-1, 802.11ac, ch38, 40 MHz, MCS5 Band edge low	5190.000000	PASS
U-NII-1, 802.11ac, ch46, 40 MHz, MCS5 Band edge high	5230.000000	PASS
U-NII-1, 802.11ac, ch42, 80 MHz, MCS0 Band edge low and Band edge high	5210.000000	PASS
U-NII-1, 802.11ax HE-SU, ch36, 20 MHz, MCS2 Band edge low	5180.000000	PASS
U-NII-1, 802.11ax HE-SU, ch48, 20 MHz, MCS2 Band edge high	5240.000000	PASS
U-NII-1, 802.11ax HE-SU, ch38, 40 MHz, MCS1 Band edge low	5190.000000	PASS

Mode / modulation	DUT Frequency (MHz)	Result
U-NII-1, 802.11ax HE-SU, ch46, 40 MHz, MCS1 Band edge high	5230.000000	PASS
U-NII-1, 802.11ax HE-SU, ch42, 80 MHz, MCS0 Band Edge low and Band edge high	5210.000000	PASS
U-NII-1, 802.11ax HE-TB Full RU, ch36, 20 MHz, MCS0 Band edge high	5180.000000	PASS
U-NII-1, 802.11ax HE-TB Full RU, ch48, 20 MHz, MCS0 Band edge low	5240.000000	PASS
U-NII-1, 802.11ax HE-TB Full RU, ch38, 40 MHz, MCS0 Band edge high	5190.000000	PASS
U-NII-1, 802.11ax HE-TB Full RU, ch46, 40 MHz, MCS0 Band edge low	5230.000000	PASS
U-NII-1, 802.11ax HE-TB Full RU, ch42, 80 MHz, MCS0 Band edge low and Band edge high	5210.000000	PASS

Mode / modulation	DUT Frequency (MHz)	Result
U-NII-2A, 802.11a, ch52, 20 MHz, 6 Mbps Band edge low	5260.000000	PASS
U-NII-2A, 802.11a, ch64, 20 MHz, 6 Mbps Band edge high	5320.000000	PASS
U-NII-2A, 802.11n, ch52, 20 MHz, MCS4 Band edge low	5260.000000	PASS
U-NII-2A, 802.11n, ch64, 20 MHz, MCS4 Band edge high	5320.000000	PASS
U-NII-2A, 802.11n, ch54, 40 MHz, MCS4 Band edge low	5270.000000	PASS
U-NII-2A, 802.11n, ch62, 40 MHz, MCS4 Band edge high	5310.000000	PASS
U-NII-2A, 802.11ac, ch52, 20 MHz, MCS0 Band edge low	5260.000000	PASS
U-NII-2A, 802.11ac, ch64, 20 MHz, MCS0 Band edge high	5320.000000	PASS
U-NII-2A, 802.11ac, ch54, 40 MHz, MCS1 Band edge low	5270.000000	PASS
U-NII-2A, 802.11ac, ch62, 40 MHz, MCS1 Band edge high	5310.000000	PASS
U-NII-2A, 802.11ac, ch58, 80 MHz, MCS0 Band edge low and Band edge high	5290.000000	PASS
U-NII-2A, 802.11ax HE-SU, ch52, 20 MHz, MCS0 Band edge low	5260.000000	PASS
U-NII-2A, 802.11ax HE-SU, ch64, 20 MHz, MCS0 Band edge high	5320.000000	PASS
U-NII-2A, 802.11ax HE-SU, ch54, 40 MHz, MCS0 Band edge low	5270.000000	PASS
U-NII-2A, 802.11ax HE-SU, ch62, 40 MHz, MCS0 Band edge high	5310.000000	PASS
U-NII-2A, 802.11ax HE-SU, ch58, 80 MHz, MCS0 Band edge low and Band edge high	5290.000000	PASS
U-NII-2A, 802.11ax HE-TB Full RU, ch52, 20 MHz, MCS0 Band edge low	5260.000000	PASS
U-NII-2A, 802.11ax HE-TB Full RU, ch64, 20 MHz, MCS0 Band edge high	5320.000000	PASS
U-NII-2A, 802.11ax HE-TB Full RU, ch54, 40 MHz, MCS0 Band edge low	5270.000000	PASS
U-NII-2A, 802.11ax HE-TB Full RU, ch62, 40 MHz, MCS0 Band edge high	5310.000000	PASS
U-NII-2A, 802.11ax HE-TB Full RU, ch58, 80 MHz, MCS0 Band edge low and Band edge high	5290.000000	PASS

Mode / modulation	DUT Frequency (MHz)	Result
U-NII-2C, 802.11a, ch100, 20 MHz, 6 Mbps Band edge low	5500.000000	PASS
U-NII-2C, 802.11a, ch140, 20 MHz, 6 Mbps Band edge high	5700.000000	PASS
U-NII-2C, 802.11n, ch100, 20 MHz, MCS3 Band edge low	5500.000000	PASS
U-NII-2C, 802.11n, ch140, 20 MHz, MCS3 Band edge high	5700.000000	PASS
U-NII-2C, 802.11n, ch102, 40 MHz, MCS0 Band edge low	5510.000000	PASS
U-NII-2C, 802.11n, ch134, 40 MHz, MCS0 Band edge high	5670.000000	PASS
U-NII-2C, 802.11ac, ch100, 20 MHz, MCS0 Band edge low	5500.000000	PASS
U-NII-2C, 802.11ac, ch142, 20 MHz, MCS0 Band edge high	5700.000000	PASS
U-NII-2C, 802.11ac, ch102, 40 MHz, MCS0 Band edge low	5510.000000	PASS
U-NII-2C, 802.11n, ch134, 40 MHz, MCS0 Band edge high	5670.000000	PASS
U-NII-2C, 802.11ac, ch106, 80 MHz, MCS0 Band edge low	5530.000000	PASS
U-NII-2C, 802.11ac, ch122, 80 MHz, MCS0 Band edge high	5610.000000	PASS
U-NII-2C, 802.11ax HE-SU, ch100, 20 MHz, MCS0 Band edge low	5500.000000	PASS
U-NII-2C, 802.11ax HE-SU, ch142, 20 MHz, MCS0 Band edge high	5700.000000	PASS
U-NII-2C, 802.11ax HE-SU, ch102, 40 MHz, MCS2 Band edge low	5510.000000	PASS
U-NII-2C, 802.11ax HE-SU, ch134, 40 MHz, MCS2 Band edge high	5670.000000	PASS
U-NII-2C, 802.11ax HE-SU, ch106, 80 MHz, MCS0 Band edge low	5530.000000	PASS
U-NII-2C, 802.11ax HE-SU ch122, 80 MHz, MCS0 Band edge high	5610.000000	PASS
U-NII-2C, 802.11ax HE-TB Full RU, ch100, 20 MHz, MCS0 Band edge low	5500.000000	PASS
U-NII-2C, 802.11ax HE-TB Full RU, ch142, 20 MHz, MCS0 Band edge high	5700.000000	PASS
U-NII-2C, 802.11ax HE-TB Full RU, ch102, 40 MHz, MCS0 Band edge low	5510.000000	PASS
U-NII-2C, 802.11ax HE-TB Full RU, ch134, 40 MHz, MCS0 Band edge high	5670.000000	PASS
U-NII-2C, 802.11ax HE-TB Full RU, ch106, 80 MHz, MCS0 Band edge low	5530.000000	PASS
U-NII-2C, 802.11ax HE-TB Full RU , ch122, 80 MHz, MCS0 Band edge high	5610.000000	PASS

Mode / modulation	DUT Frequency (MHz)	Result
U-NII-3, 802.11a, ch149, 20 MHz, 6 Mbps Band edge low	5745.000000	PASS
U-NII-3, 802.11a, ch165, 20 MHz, 6 Mbps Band edge high	5825.000000	PASS
U-NII-3, 802.11n, ch149, 20 MHz, MCS3 Band edge low	5745.000000	PASS
U-NII-3, 802.11n, ch165, 20 MHz, MCS3 Band edge high	5825.000000	PASS
U-NII-3, 802.11n, ch151, 40 MHz, MCS0 Band edge low	5755.000000	PASS
U-NII-3, 802.11n, ch159, 40 MHz, MCS0 Band edge high	5795.000000	PASS
U-NII-3, 802.11ac, ch149, 20 MHz, MCS0 Band edge low	5745.000000	PASS
U-NII-3, 802.11ac, ch165, 20 MHz, MCS0 Band edge high	5825.000000	PASS
U-NII-3, 802.11ac, ch151, 40 MHz, MCS0 Band edge low	5755.000000	PASS
U-NII-3, 802.11ac, ch159, 40 MHz, MCS0 Band edge high	5795.000000	PASS
U-NII-3, 802.11ac, ch155, 80 MHz, MCS0 Band edge low and Band edge high	5775.000000	PASS
U-NII-3, 802.11ax HE-SU, ch149, 20 MHz, MCS0 Band edge low	5745.000000	PASS
U-NII-3, 802.11ax HE-SU, ch165, 20 MHz, MCS0 Band edge high	5825.000000	PASS
U-NII-3, 802.11ax HE-SU, ch151, 40 MHz, MCS0 Band edge low	5755.000000	PASS
U-NII-3, 802.11ax HE-SU, ch159, 40 MHz, MCS0 Band edge high	5795.000000	PASS
U-NII-3, 802.11ax HE-SU, ch155, 80 MHz, MCS0 Band edge low and Band edge high	5775.000000	PASS
U-NII-3, 802.11ax HE-TB Full RU, ch149, 20 MHz, MCS0 Band edge low	5745.000000	PASS
U-NII-3, 802.11ax HE-TB Full RU, ch165, 20 MHz, MCS0 Band edge high	5825.000000	PASS
U-NII-3, 802.11ax HE-TB Full RU, ch151, 40 MHz, MCS0 Band edge low	5755.000000	PASS
U-NII-3, 802.11ax HE-TB Full RU, ch159, 40 MHz, MCS0 Band edge high	5795.000000	PASS
U-NII-3, 802.11ax HE-TB Full RU, ch155, 80 MHz, MCS0 Band edge low and Band edge high	5775.000000	PASS

**Measurements, band edge low ch36**

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5119.976905	-49.3	22.3	-27.0	PASS
5149.499615	-49.3	22.3	-27.0	PASS
5137.490377	-49.5	22.5	-27.0	PASS
5131.986143	-49.5	22.5	-27.0	PASS
5120.477290	-49.6	22.6	-27.0	PASS
5125.981524	-49.6	22.6	-27.0	PASS
5129.984604	-49.7	22.7	-27.0	PASS
5148.999230	-49.7	22.7	-27.0	PASS
5139.992302	-49.8	22.8	-27.0	PASS
5140.993072	-49.8	22.8	-27.0	PASS
5145.496536	-49.8	22.8	-27.0	PASS
5134.488068	-49.9	22.9	-27.0	PASS
5124.480370	-49.9	22.9	-27.0	PASS
5133.987683	-49.9	22.9	-27.0	PASS
5143.995381	-49.9	22.9	-27.0	PASS

**Measurements, band edge high ch48**

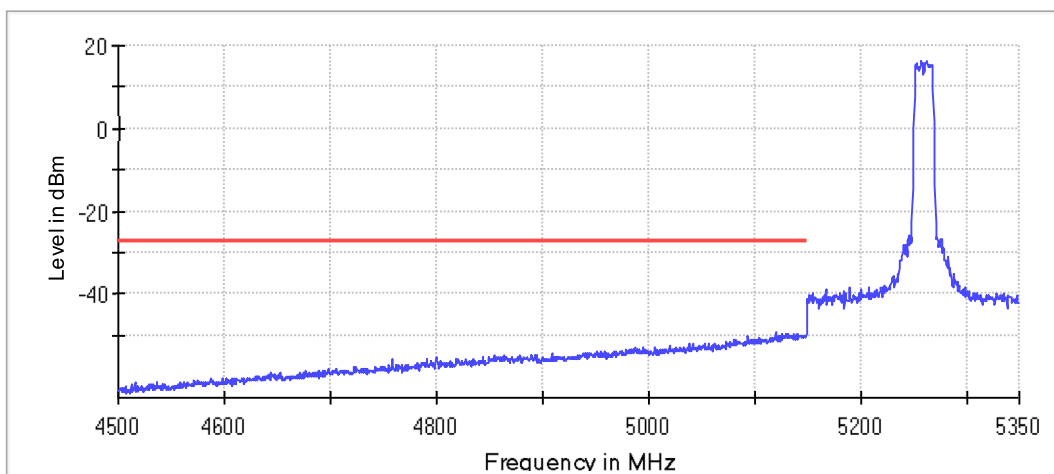
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5423.333333	-42.1	15.1	-27.0	PASS
5422.831050	-42.1	15.1	-27.0	PASS
5424.840183	-42.3	15.3	-27.0	PASS
5421.324201	-42.9	15.9	-27.0	PASS
5418.812785	-43.2	16.2	-27.0	PASS
5424.337900	-43.2	16.2	-27.0	PASS
5425.342466	-43.2	16.2	-27.0	PASS

5425.844749	-43.3	16.3	-27.0	PASS
5416.803653	-43.6	16.6	-27.0	PASS
5423.835616	-43.7	16.7	-27.0	PASS
5422.328767	-43.8	16.8	-27.0	PASS
5421.826484	-44.0	17.0	-27.0	PASS
5420.319635	-44.1	17.1	-27.0	PASS
5417.305936	-44.2	17.2	-27.0	PASS
5420.821918	-44.3	17.3	-27.0	PASS

## 802.11a, OFDM 24Mbps 20MHz

### Band edge, low channel ch36

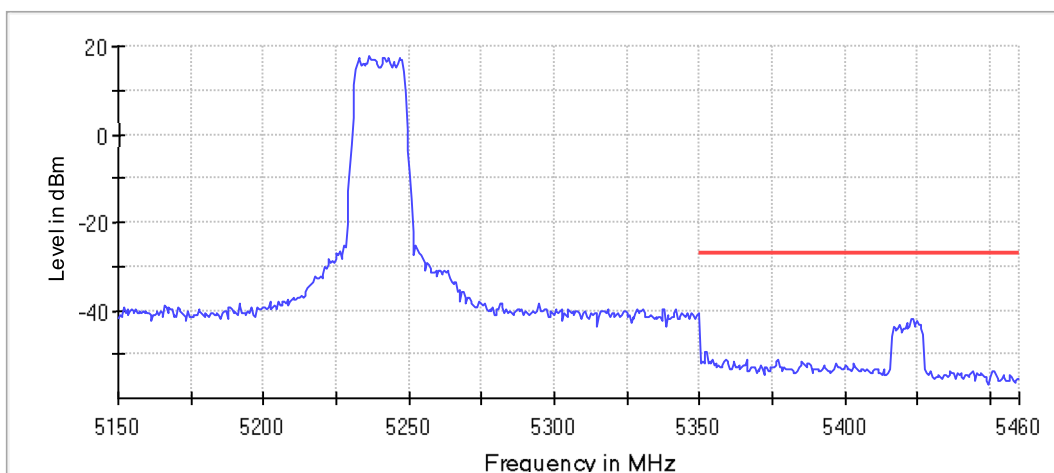
Band Edge



— Limit    — SumLevel    × Fail

### Band edge, high channel ch38

Band Edge



— Limit    — SumLevel    × Fail



802.11n, HT MCS2 20MHz

Measurements, band edge low ch36

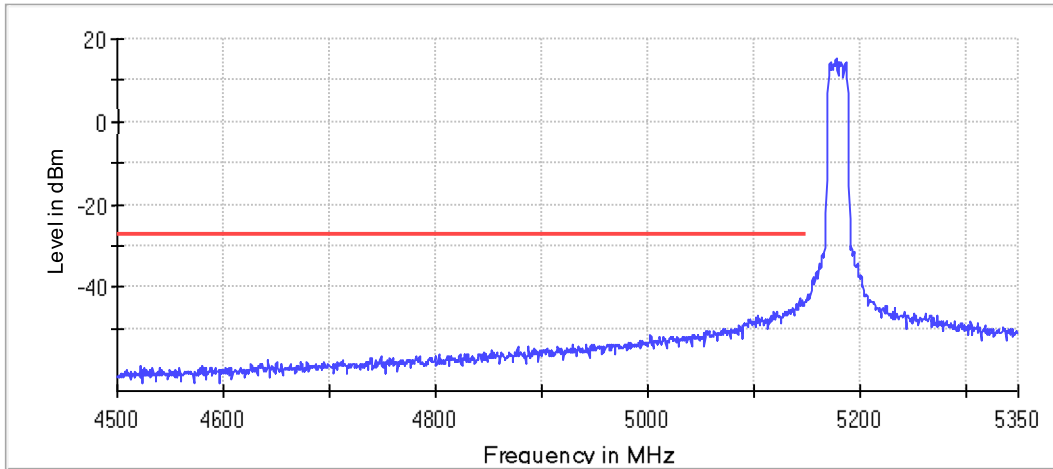
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5143.494996	-42.6	15.6	-27.0	PASS
5149.499615	-42.9	15.9	-27.0	PASS
5145.496536	-42.9	15.9	-27.0	PASS
5148.498845	-43.4	16.4	-27.0	PASS
5146.497306	-43.4	16.4	-27.0	PASS
5148.999230	-43.5	16.5	-27.0	PASS
5147.998460	-43.6	16.6	-27.0	PASS
5142.994611	-43.9	16.9	-27.0	PASS
5143.995381	-44.0	17.0	-27.0	PASS
5140.993072	-44.1	17.1	-27.0	PASS
5145.996921	-44.2	17.2	-27.0	PASS
5144.996151	-44.2	17.2	-27.0	PASS
5146.997691	-44.3	17.3	-27.0	PASS
5144.495766	-44.3	17.3	-27.0	PASS
5147.498075	-44.4	17.4	-27.0	PASS

Measurements, band edge high ch 48

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5426.347032	-43.9	16.9	-27.0	PASS
5425.844749	-45.2	18.2	-27.0	PASS
5424.337900	-45.4	18.4	-27.0	PASS
5422.831050	-45.5	18.5	-27.0	PASS
5423.835616	-45.6	18.6	-27.0	PASS
5423.333333	-45.6	18.6	-27.0	PASS
5419.315068	-45.9	18.9	-27.0	PASS
5419.817352	-46.0	19.0	-27.0	PASS
5420.319635	-46.0	19.0	-27.0	PASS
5418.812785	-46.0	19.0	-27.0	PASS
5418.310502	-46.0	19.0	-27.0	PASS
5424.840183	-46.1	19.1	-27.0	PASS
5421.324201	-46.1	19.1	-27.0	PASS
5420.821918	-46.1	19.1	-27.0	PASS
5421.826484	-46.2	19.2	-27.0	PASS

### Band edge, low channel ch36

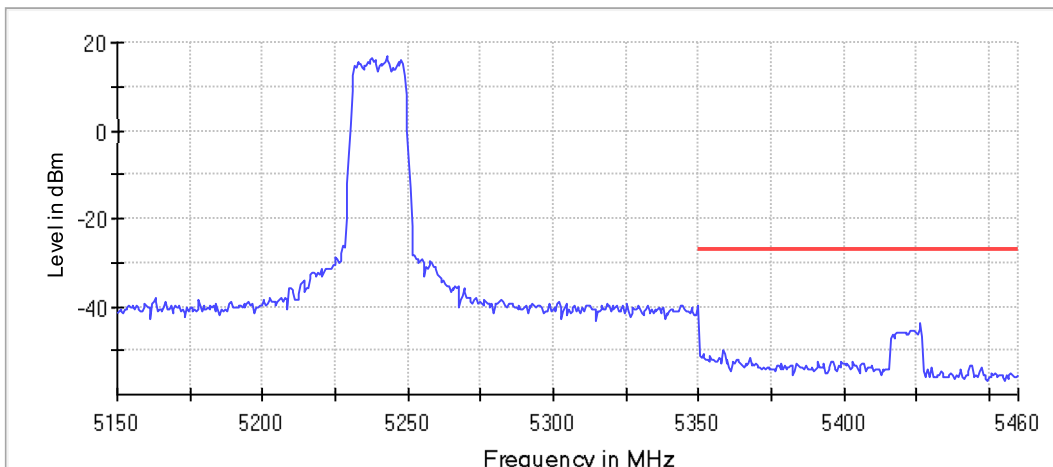
Band Edge



— Limit    — SumLevel    × Fail

### Band edge, high channel ch48

Band Edge



— Limit    — SumLevel    × Fail

802.11n, HT MCS0 40MHz

Measurements, band edge low ch38

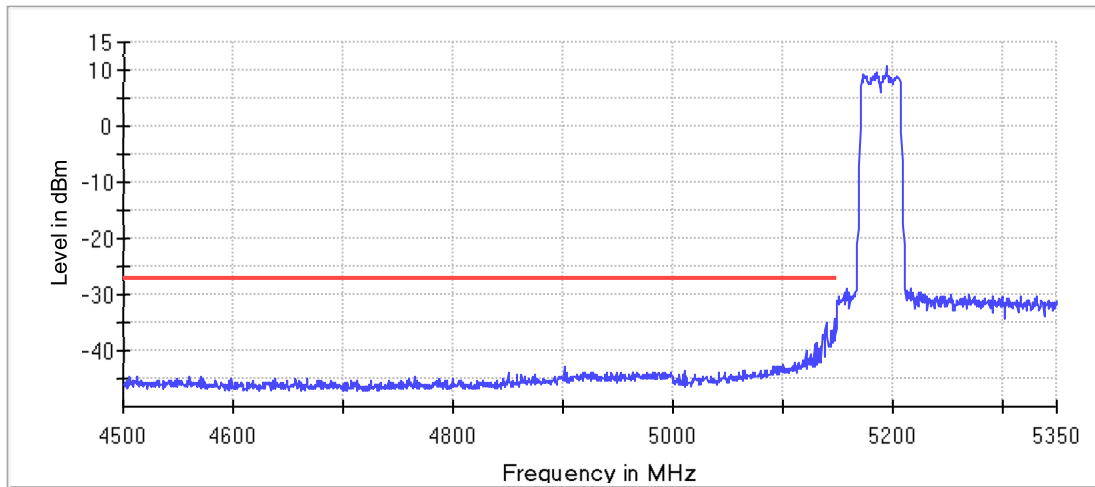
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5147.498075	-34.4	7.4	-27.0	PASS
5139.992302	-34.9	7.9	-27.0	PASS
5140.492687	-35.8	8.8	-27.0	PASS
5148.999230	-36.0	9.0	-27.0	PASS
5149.499615	-36.0	9.0	-27.0	PASS
5140.993072	-36.2	9.2	-27.0	PASS
5139.491917	-36.5	9.5	-27.0	PASS
5144.996151	-36.6	9.6	-27.0	PASS
5146.497306	-36.6	9.6	-27.0	PASS
5136.489607	-37.1	10.1	-27.0	PASS
5148.498845	-37.3	10.3	-27.0	PASS
5141.493457	-37.4	10.4	-27.0	PASS
5137.490377	-37.5	10.5	-27.0	PASS
5137.990762	-37.6	10.6	-27.0	PASS
5145.496536	-38.0	11.0	-27.0	PASS

Measurements, band edge high ch46

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5403.242009	-44.6	17.6	-27.0	PASS
5407.260274	-44.7	17.7	-27.0	PASS
5406.757991	-44.9	17.9	-27.0	PASS
5378.127854	-45.0	18.0	-27.0	PASS
5453.972603	-45.2	18.2	-27.0	PASS
5395.707763	-45.2	18.2	-27.0	PASS
5379.132420	-45.3	18.3	-27.0	PASS
5378.630137	-45.3	18.3	-27.0	PASS
5429.360731	-45.3	18.3	-27.0	PASS
5403.744292	-45.3	18.3	-27.0	PASS
5418.812785	-45.3	18.3	-27.0	PASS
5354.018265	-45.4	18.4	-27.0	PASS
5351.506849	-45.4	18.4	-27.0	PASS
5402.237443	-45.5	18.5	-27.0	PASS
5456.484018	-45.5	18.5	-27.0	PASS

### Band edge, low channel ch38

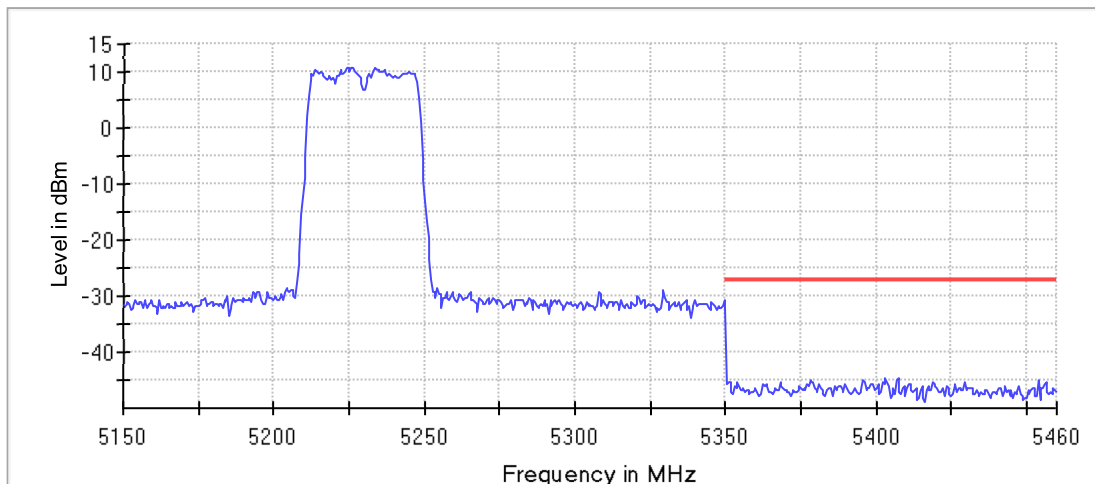
Band Edge



— Limit    — Sum Level    × Fail

### Band edge, high channel ch46

Band Edge



— Limit    — Sum Level    × Fail

### 802.11ac VHT MCS2 20MHz

#### Measurements, band edge low ch36

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5144.996151	-41.5	14.5	-27.0	PASS
5149.499615	-41.8	14.8	-27.0	PASS
5148.999230	-42.0	15.0	-27.0	PASS
5148.498845	-42.3	15.3	-27.0	PASS
5147.498075	-42.6	15.6	-27.0	PASS
5145.996921	-42.7	15.7	-27.0	PASS
5147.998460	-43.0	16.0	-27.0	PASS
5144.495766	-43.0	16.0	-27.0	PASS

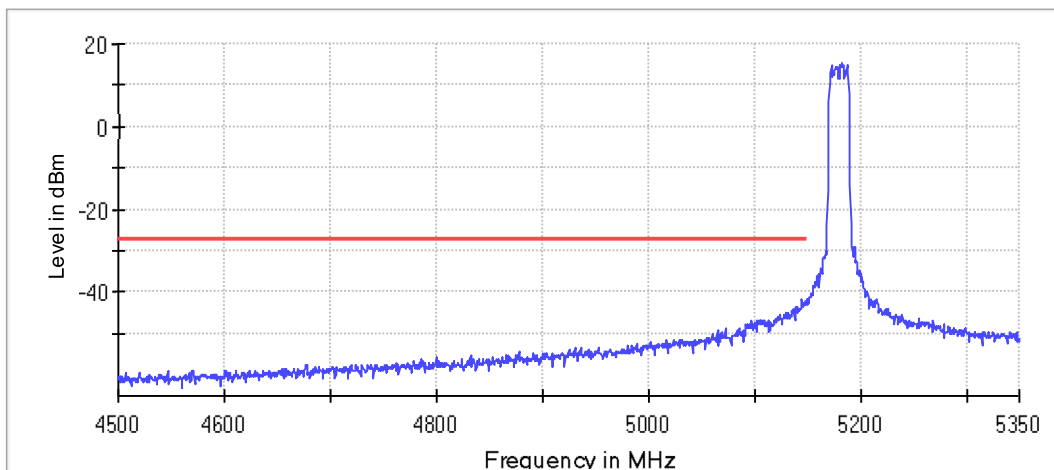
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5146.997691	-43.1	16.1	-27.0	PASS
5146.497306	-43.2	16.2	-27.0	PASS
5145.496536	-43.4	16.4	-27.0	PASS
5139.992302	-43.4	16.4	-27.0	PASS
5139.491917	-43.5	16.5	-27.0	PASS
5141.493457	-43.8	16.8	-27.0	PASS
5143.494996	-44.1	17.1	-27.0	PASS

### Measurements, band edge high ch48

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5426.347032	-44.6	17.6	-27.0	PASS
5419.817352	-45.0	18.0	-27.0	PASS
5422.328767	-45.1	18.1	-27.0	PASS
5418.310502	-45.1	18.1	-27.0	PASS
5422.831050	-45.1	18.1	-27.0	PASS
5420.319635	-45.2	18.2	-27.0	PASS
5421.324201	-45.2	18.2	-27.0	PASS
5418.812785	-45.3	18.3	-27.0	PASS
5417.305936	-45.3	18.3	-27.0	PASS
5417.808219	-45.4	18.4	-27.0	PASS
5416.803653	-45.4	18.4	-27.0	PASS
5421.826484	-45.4	18.4	-27.0	PASS
5425.342466	-45.4	18.4	-27.0	PASS
5424.840183	-45.5	18.5	-27.0	PASS
5423.333333	-45.5	18.5	-27.0	PASS

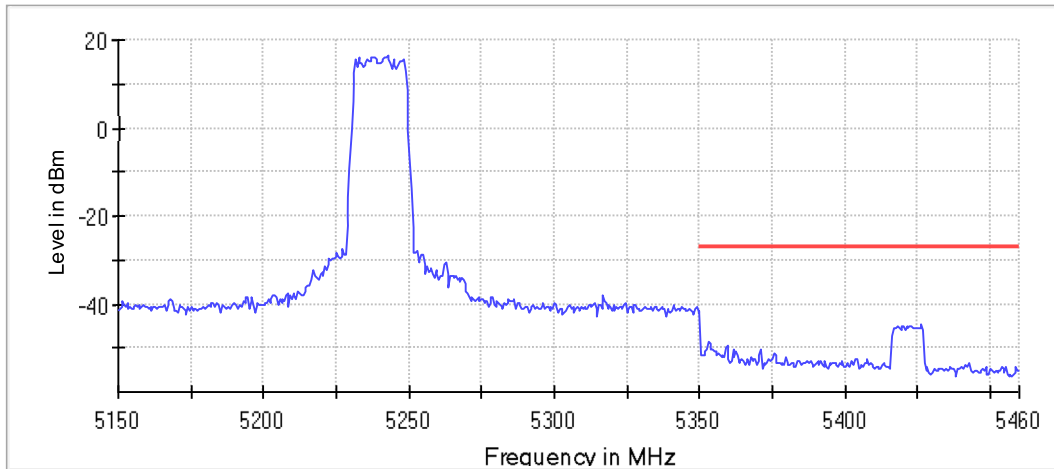
### Band edge, low channel ch36

Band Edge



### Band edge, high channel ch48

Band Edge



— Limit    — SumLevel    × Fail

### 802.11ac VHT MCS5 40MHz

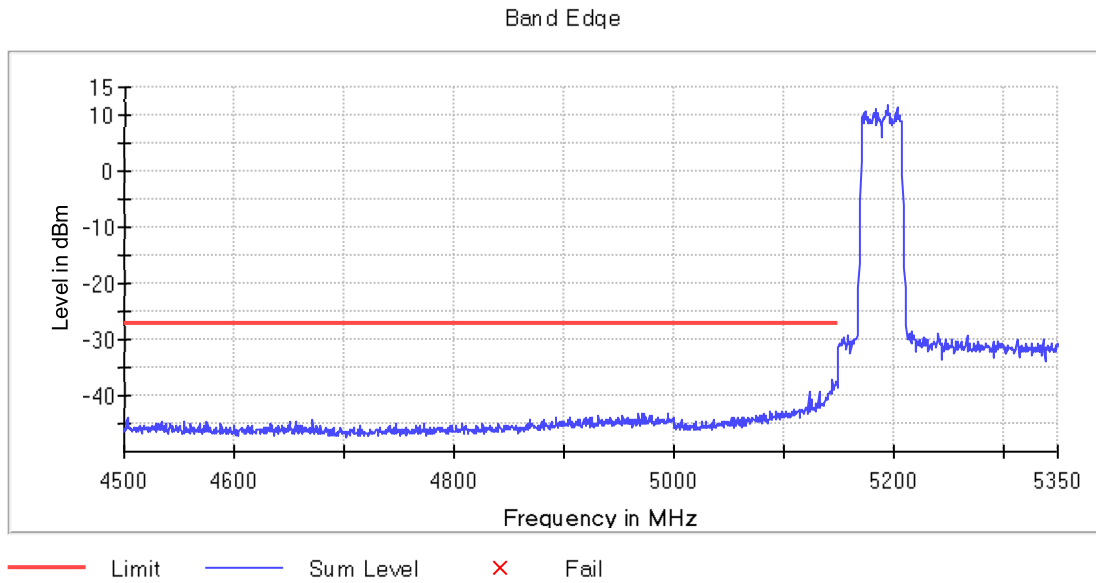
#### Measurements, band edge low ch38

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5144.996151	-37.1	10.1	-27.0	PASS
5147.998460	-37.7	10.7	-27.0	PASS
5147.498075	-37.7	10.7	-27.0	PASS
5148.498845	-37.7	10.7	-27.0	PASS
5148.999230	-38.3	11.3	-27.0	PASS
5149.499615	-38.4	11.4	-27.0	PASS
5146.497306	-38.5	11.5	-27.0	PASS
5145.496536	-38.7	11.7	-27.0	PASS
5146.997691	-38.7	11.7	-27.0	PASS
5145.996921	-39.0	12.0	-27.0	PASS
5143.995381	-39.0	12.0	-27.0	PASS
5132.986913	-39.2	12.2	-27.0	PASS
5143.494996	-39.3	12.3	-27.0	PASS
5123.479600	-39.3	12.3	-27.0	PASS
5142.994611	-39.4	12.4	-27.0	PASS

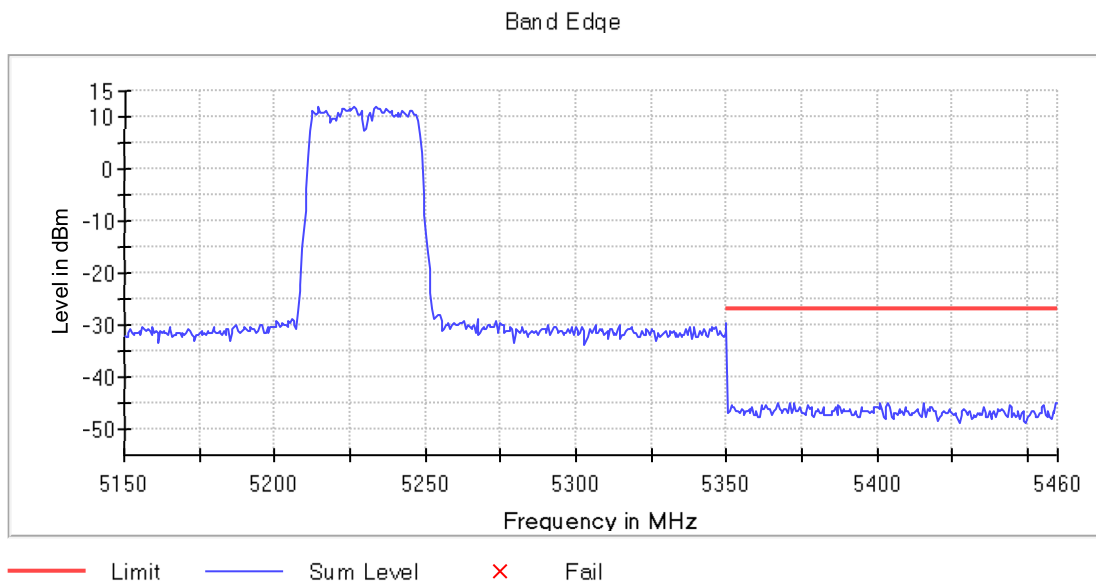
#### Measurements, band edge high ch46

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5460.000000	-45.0	18.0	-27.0	PASS
5459.497717	-45.0	18.0	-27.0	PASS
5415.296804	-45.0	18.0	-27.0	PASS
5367.077626	-45.0	18.0	-27.0	PASS
5372.602740	-45.1	18.1	-27.0	PASS
5401.232877	-45.1	18.1	-27.0	PASS
5371.095890	-45.2	18.2	-27.0	PASS
5403.744292	-45.2	18.2	-27.0	PASS
5443.926941	-45.2	18.2	-27.0	PASS
5415.799087	-45.3	18.3	-27.0	PASS
5387.168950	-45.3	18.3	-27.0	PASS
5455.479452	-45.3	18.3	-27.0	PASS
5363.059361	-45.4	18.4	-27.0	PASS
5377.123288	-45.4	18.4	-27.0	PASS
5351.506849	-45.5	18.5	-27.0	PASS

### Band edge, low channel ch38



### Band edge, high channel ch46



### 802.11ac MCS0 80MHz

#### Measurements, band edge low ch42

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5146.997691	-28.6	1.6	-27.0	PASS
5139.992302	-29.1	2.1	-27.0	PASS
5146.497306	-29.5	2.5	-27.0	PASS
5148.999230	-29.6	2.6	-27.0	PASS
5145.496536	-29.7	2.7	-27.0	PASS
5147.998460	-29.7	2.7	-27.0	PASS
5140.492687	-29.9	2.9	-27.0	PASS
5143.494996	-29.9	2.9	-27.0	PASS
5144.495766	-30.1	3.1	-27.0	PASS
5142.494226	-30.1	3.1	-27.0	PASS

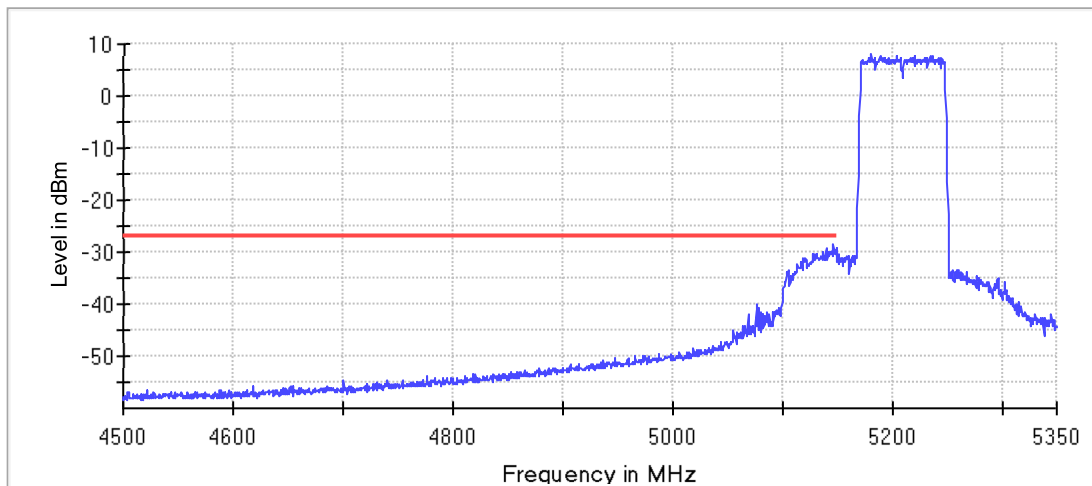
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5136.989992	-30.1	3.1	-27.0	PASS
5147.498075	-30.2	3.2	-27.0	PASS
5143.995381	-30.3	3.3	-27.0	PASS
5127.983064	-30.3	3.3	-27.0	PASS
5128.983834	-30.3	3.3	-27.0	PASS

### Measurements, band edge high ch42

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5354.520548	-47.6	20.6	-27.0	PASS
5355.022831	-48.0	21.0	-27.0	PASS
5353.515982	-49.6	22.6	-27.0	PASS
5354.018265	-49.6	22.6	-27.0	PASS
5356.529680	-49.7	22.7	-27.0	PASS
5356.027397	-49.7	22.7	-27.0	PASS
5376.118721	-49.7	22.7	-27.0	PASS
5351.506849	-49.8	22.8	-27.0	PASS
5370.091324	-50.0	23.0	-27.0	PASS
5375.616438	-50.0	23.0	-27.0	PASS
5364.063927	-50.0	23.0	-27.0	PASS
5367.579909	-50.0	23.0	-27.0	PASS
5369.589041	-50.1	23.1	-27.0	PASS
5365.068493	-50.1	23.1	-27.0	PASS
5375.114155	-50.2	23.2	-27.0	PASS

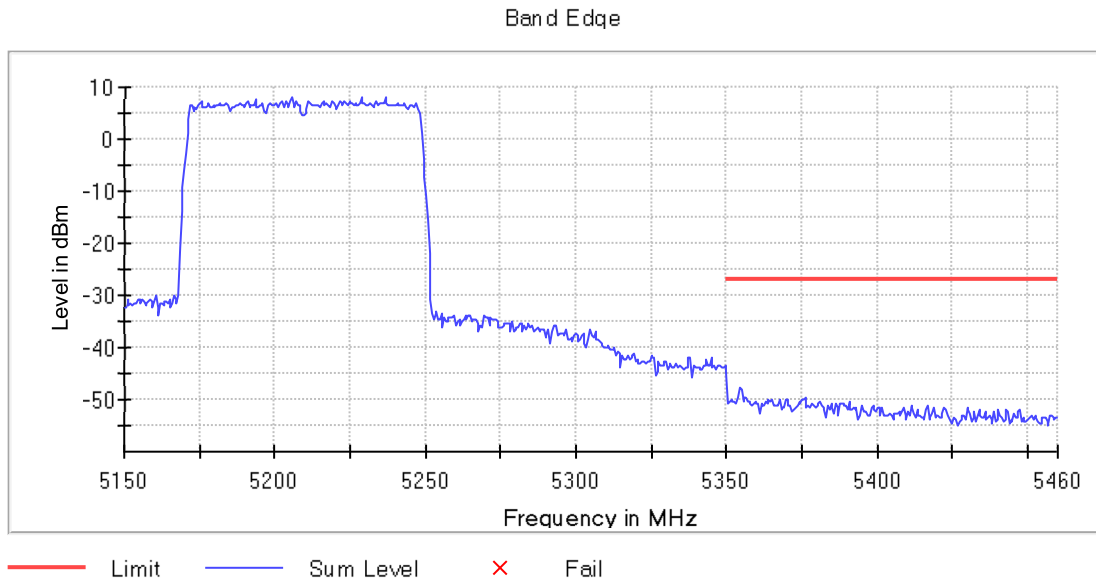
### Band edge, low channel ch42

Band Edge





## Band edge, high channel ch42



## 802.11ax MCS2 20MHz

### Measurements, band edge low ch 36

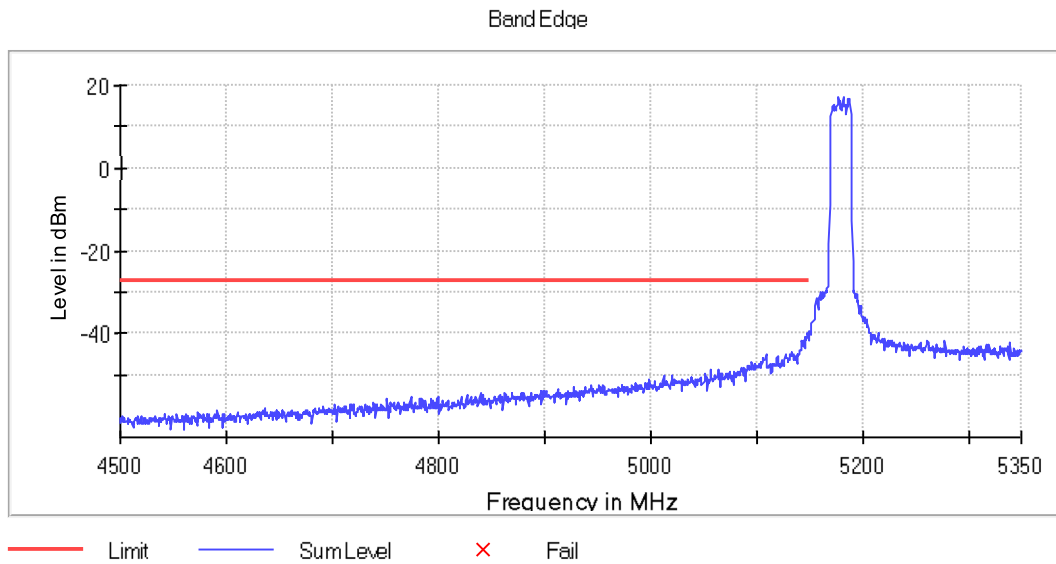
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5148.498845	-39.9	12.9	-27.0	PASS
5149.499615	-40.0	13.0	-27.0	PASS
5147.998460	-40.4	13.4	-27.0	PASS
5147.498075	-40.6	13.6	-27.0	PASS
5146.497306	-40.8	13.8	-27.0	PASS
5144.495766	-41.5	14.5	-27.0	PASS
5142.994611	-41.6	14.6	-27.0	PASS
5143.995381	-41.6	14.6	-27.0	PASS
5146.997691	-41.7	14.7	-27.0	PASS
5148.999230	-41.7	14.7	-27.0	PASS
5142.494226	-42.5	15.5	-27.0	PASS
5144.996151	-42.6	15.6	-27.0	PASS
5145.996921	-43.1	16.1	-27.0	PASS
5143.494996	-43.2	16.2	-27.0	PASS
5145.496536	-43.3	16.3	-27.0	PASS

### Measurements, band edge high ch48

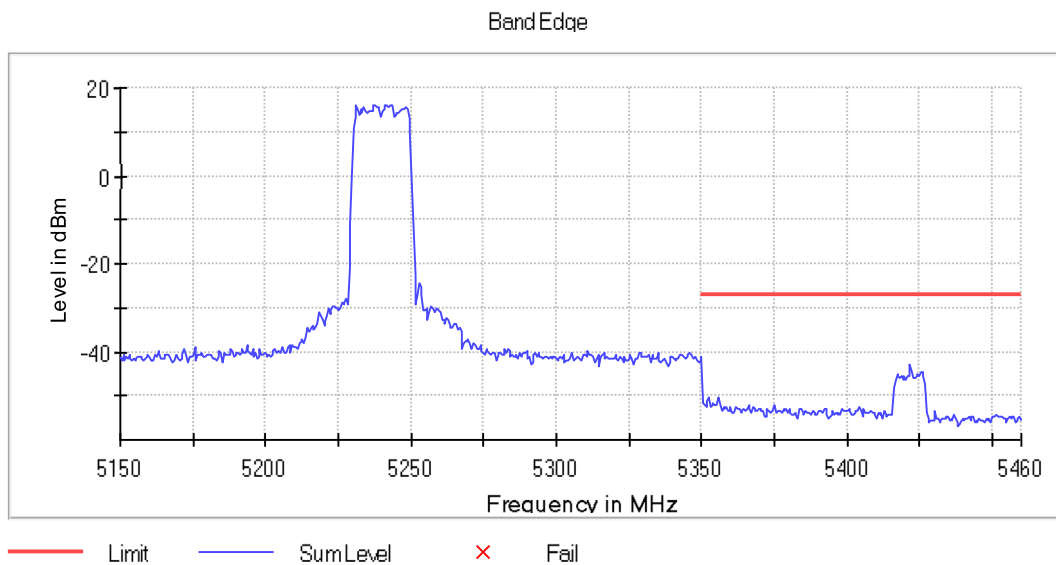
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5421.826484	-42.9	15.9	-27.0	PASS
5422.328767	-44.0	17.0	-27.0	PASS
5425.844749	-44.5	17.5	-27.0	PASS
5425.342466	-44.6	17.6	-27.0	PASS
5424.337900	-45.2	18.2	-27.0	PASS
5417.305936	-45.2	18.2	-27.0	PASS
5426.347032	-45.3	18.3	-27.0	PASS
5424.840183	-45.3	18.3	-27.0	PASS
5419.817352	-45.4	18.4	-27.0	PASS
5417.808219	-45.4	18.4	-27.0	PASS
5423.835616	-45.4	18.4	-27.0	PASS
5418.812785	-45.6	18.6	-27.0	PASS
5420.821918	-45.7	18.7	-27.0	PASS

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5421.324201	-45.7	18.7	-27.0	PASS
5422.831050	-45.9	18.9	-27.0	PASS

### Band edge, low channel ch36



### Band edge, high channel ch48



### 802.11ax, MCS1 40MHz

#### Measurements, band edge low ch38

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5145.496536	-35.2	8.2	-27.0	PASS
5148.498845	-35.5	8.5	-27.0	PASS
5149.499615	-35.9	8.9	-27.0	PASS
5144.495766	-36.0	9.0	-27.0	PASS
5147.998460	-36.2	9.2	-27.0	PASS
5146.997691	-36.3	9.3	-27.0	PASS

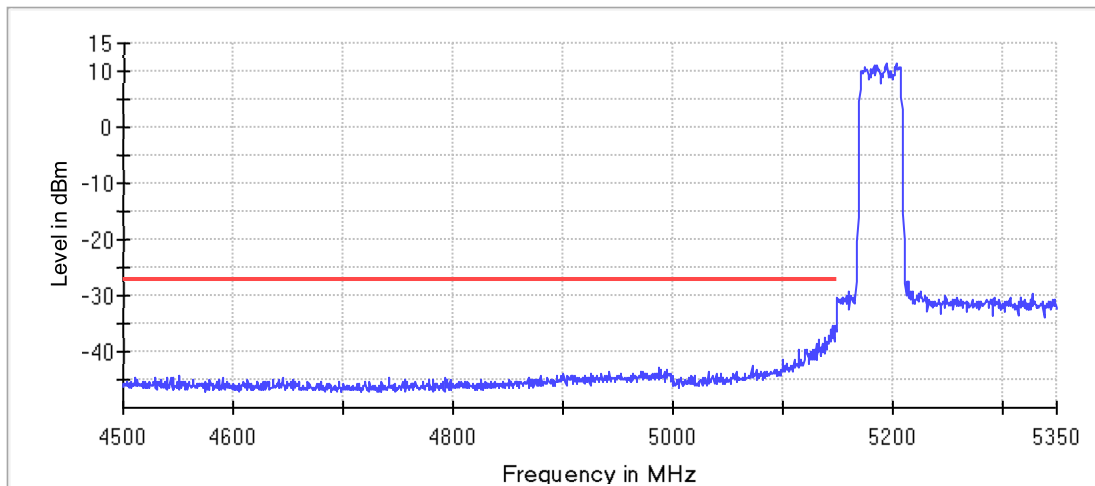
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5148.999230	-36.4	9.4	-27.0	PASS
5143.995381	-36.4	9.4	-27.0	PASS
5142.494226	-37.2	10.2	-27.0	PASS
5143.494996	-37.2	10.2	-27.0	PASS
5146.497306	-37.3	10.3	-27.0	PASS
5145.996921	-37.5	10.5	-27.0	PASS
5138.991532	-37.6	10.6	-27.0	PASS
5142.994611	-37.8	10.8	-27.0	PASS
5133.487298	-37.9	10.9	-27.0	PASS

Measurements, band edge high ch46

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5354.018265	-44.2	17.2	-27.0	PASS
5362.557078	-44.2	17.2	-27.0	PASS
5351.004566	-44.4	17.4	-27.0	PASS
5350.502283	-44.6	17.6	-27.0	PASS
5355.525114	-44.7	17.7	-27.0	PASS
5387.168950	-44.8	17.8	-27.0	PASS
5388.173516	-44.8	17.8	-27.0	PASS
5390.684932	-44.8	17.8	-27.0	PASS
5367.579909	-44.9	17.9	-27.0	PASS
5365.068493	-45.0	18.0	-27.0	PASS
5358.036530	-45.1	18.1	-27.0	PASS
5353.515982	-45.1	18.1	-27.0	PASS
5360.045662	-45.1	18.1	-27.0	PASS
5359.543379	-45.2	18.2	-27.0	PASS
5398.721461	-45.4	18.4	-27.0	PASS

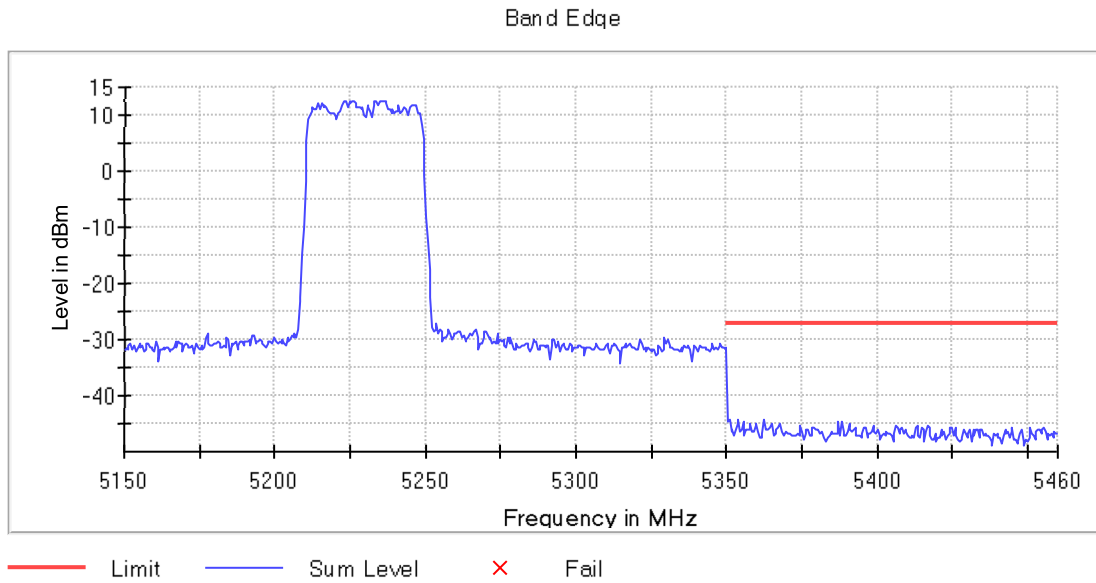
Band edge, low channel ch38

Band Edge



— Limit    — Sum Level    × Fail

## Band edge, high channel ch46



## 802.11ax HE-SU MCS0 80MHz

### Measurements, band edge low ch42

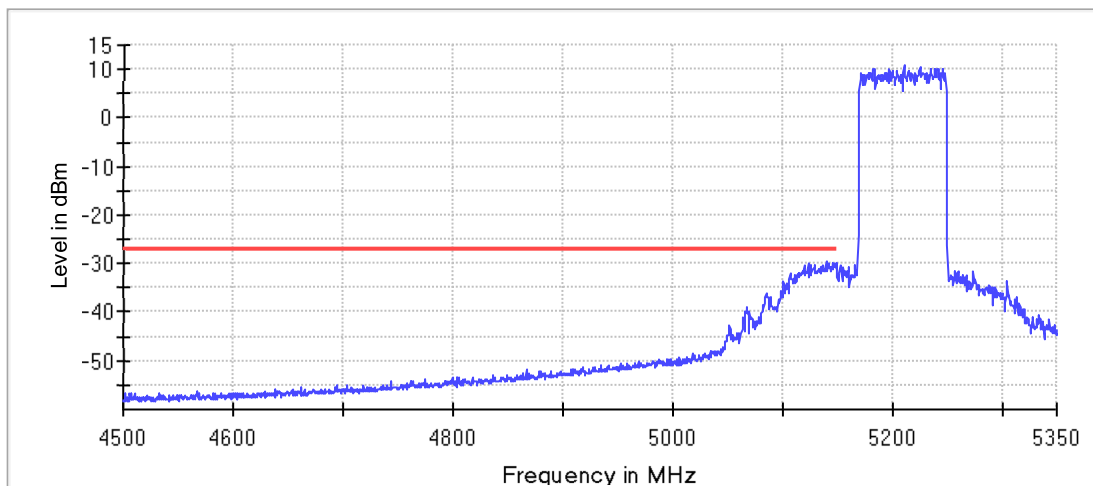
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5139.992302	-29.3	2.3	-27.0	PASS
5149.499615	-29.7	2.7	-27.0	PASS
5141.993841	-29.8	2.8	-27.0	PASS
5140.492687	-29.9	2.9	-27.0	PASS
5145.996921	-30.0	3.0	-27.0	PASS
5142.494226	-30.0	3.0	-27.0	PASS
5148.498845	-30.0	3.0	-27.0	PASS
5123.479600	-30.1	3.1	-27.0	PASS
5136.489607	-30.3	3.3	-27.0	PASS
5129.484219	-30.3	3.3	-27.0	PASS
5119.976905	-30.4	3.4	-27.0	PASS
5125.981524	-30.4	3.4	-27.0	PASS
5146.997691	-30.5	3.5	-27.0	PASS
5134.988453	-30.6	3.6	-27.0	PASS
5143.995381	-30.6	3.6	-27.0	PASS

## Measurements, band edge high ch42

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5351.004566	-48.2	21.2	-27.0	PASS
5356.529680	-48.8	21.8	-27.0	PASS
5357.031963	-48.8	21.8	-27.0	PASS
5350.502283	-49.1	22.1	-27.0	PASS
5355.022831	-49.3	22.3	-27.0	PASS
5352.009132	-49.5	22.5	-27.0	PASS
5356.027397	-49.6	22.6	-27.0	PASS
5354.520548	-49.6	22.6	-27.0	PASS
5355.525114	-49.6	22.6	-27.0	PASS
5353.515982	-49.7	22.7	-27.0	PASS
5367.579909	-49.7	22.7	-27.0	PASS
5354.018265	-49.7	22.7	-27.0	PASS
5361.552511	-49.8	22.8	-27.0	PASS
5360.045662	-49.8	22.8	-27.0	PASS
5358.036530	-49.9	22.9	-27.0	PASS

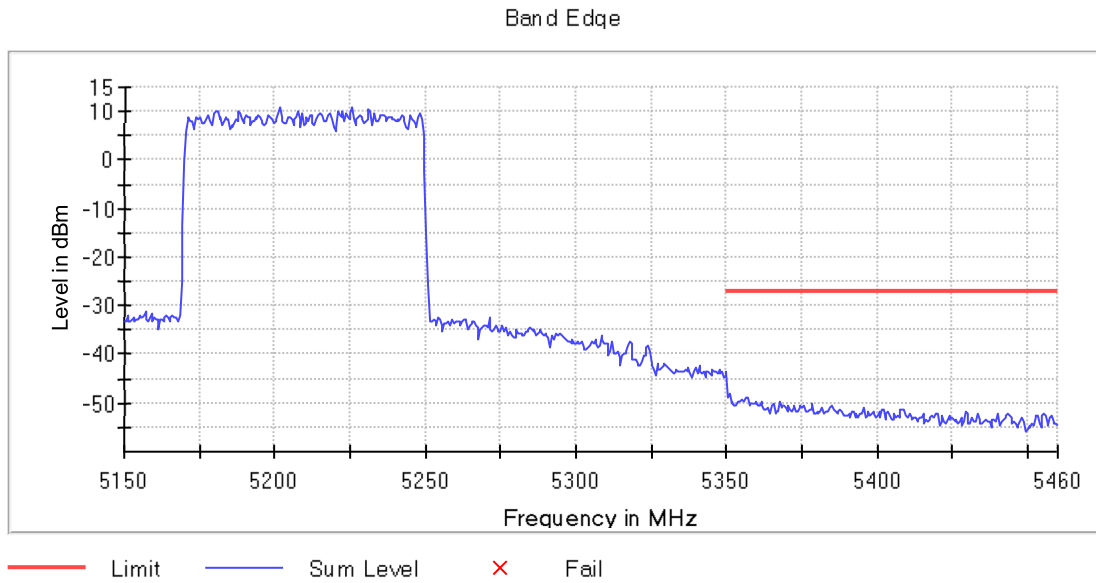
## Band edge, low channel ch42

Band Edge



— Limit    — Sum Level    × Fail

## Band edge, high channel ch42



## 802.11ax HE-TB MCS0 full RU, 20MHz

### Measurements, band edge low ch36

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5146.997691	-37.3	10.3	-27.0	PASS
5149.499615	-37.4	10.4	-27.0	PASS
5146.497306	-37.7	10.7	-27.0	PASS
5148.498845	-37.9	10.9	-27.0	PASS
5148.999230	-37.9	10.9	-27.0	PASS
5147.998460	-37.9	10.9	-27.0	PASS
5147.498075	-39.3	12.3	-27.0	PASS
5144.495766	-40.4	13.4	-27.0	PASS
5143.995381	-40.9	13.9	-27.0	PASS
5145.496536	-41.1	14.1	-27.0	PASS
5144.996151	-41.3	14.3	-27.0	PASS
5143.494996	-41.4	14.4	-27.0	PASS
5145.996921	-41.5	14.5	-27.0	PASS
5142.994611	-41.9	14.9	-27.0	PASS
5140.993072	-42.2	15.2	-27.0	PASS

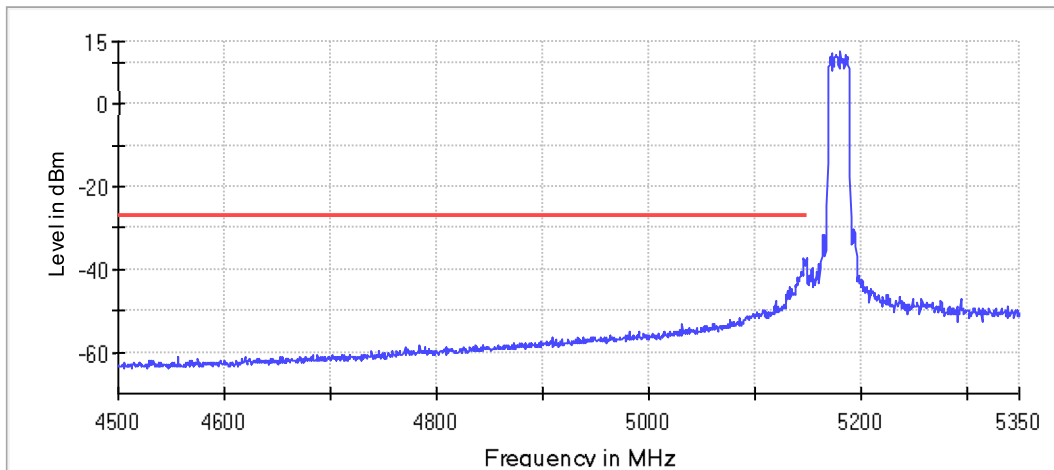
### Measurements, band edge high ch48

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5426.347032	-54.0	27.0	-27.0	PASS
5425.342466	-54.6	27.6	-27.0	PASS
5356.027397	-55.0	28.0	-27.0	PASS
5422.328767	-55.2	28.2	-27.0	PASS
5424.840183	-55.2	28.2	-27.0	PASS
5423.835616	-55.4	28.4	-27.0	PASS
5366.073059	-55.7	28.7	-27.0	PASS
5422.831050	-55.8	28.8	-27.0	PASS
5357.031963	-55.8	28.8	-27.0	PASS
5421.826484	-56.0	29.0	-27.0	PASS
5419.817352	-56.0	29.0	-27.0	PASS

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5354.018265	-56.0	29.0	-27.0	PASS
5421.324201	-56.0	29.0	-27.0	PASS
5423.333333	-56.1	29.1	-27.0	PASS
5361.552511	-56.1	29.1	-27.0	PASS

### Band edge, low channel ch36

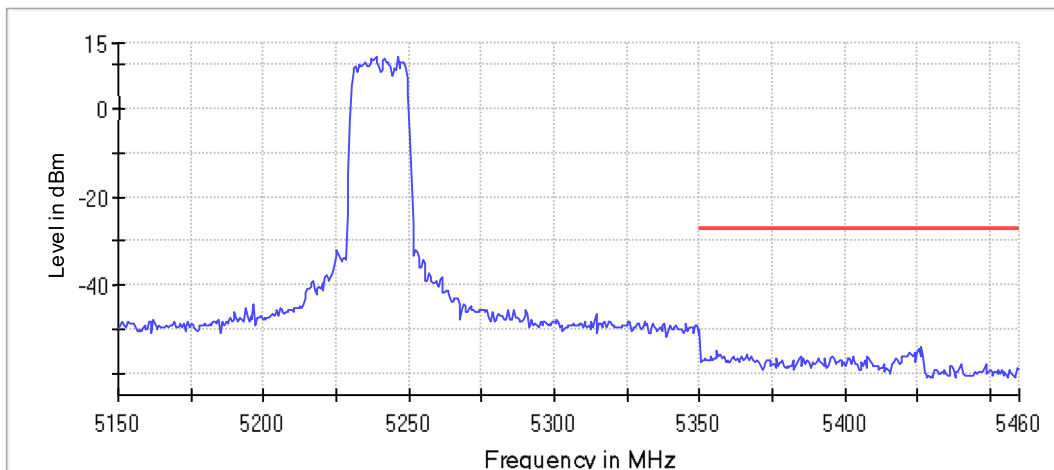
Band Edge



— Limit    — SumLevel    × Fail

### Band edge, high channel ch48

Band Edge



— Limit    — SumLevel    × Fail

### 802.11ax HE-TB MCS0 full RU, 40MHz

**Measurements, band edge low ch38**

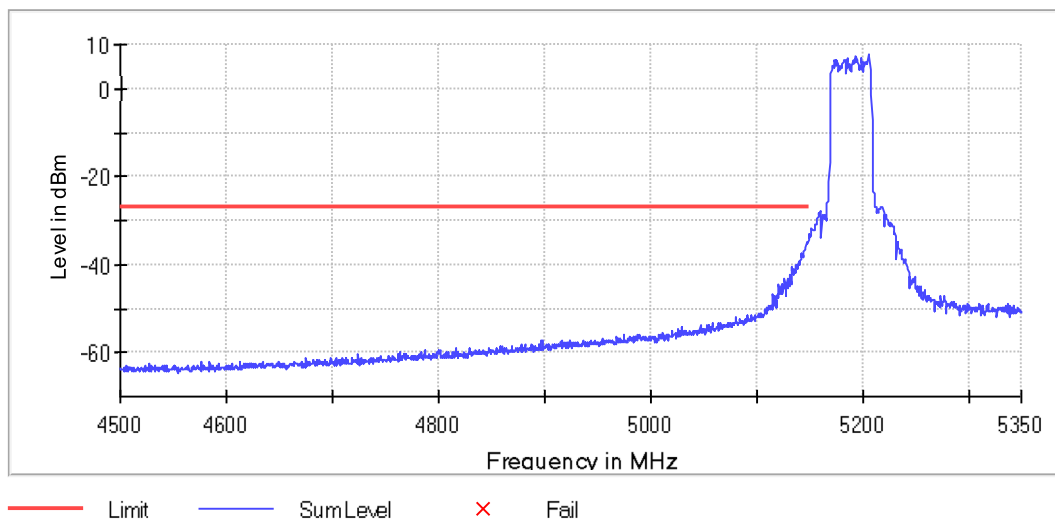
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.499615	-33.0	6.0	-27.0	PASS
5148.999230	-34.3	7.3	-27.0	PASS
5147.498075	-35.0	8.0	-27.0	PASS
5148.498845	-35.1	8.1	-27.0	PASS
5147.998460	-35.1	8.1	-27.0	PASS
5146.497306	-36.1	9.1	-27.0	PASS
5146.997691	-36.1	9.1	-27.0	PASS
5145.496536	-36.6	9.6	-27.0	PASS
5145.996921	-36.7	9.7	-27.0	PASS
5144.996151	-37.2	10.2	-27.0	PASS
5144.495766	-37.2	10.2	-27.0	PASS
5142.494226	-37.6	10.6	-27.0	PASS
5143.494996	-37.9	10.9	-27.0	PASS
5143.995381	-38.3	11.3	-27.0	PASS
5142.994611	-38.5	11.5	-27.0	PASS

**Measurements, band edge high ch46**

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5366.073059	-51.8	24.8	-27.0	PASS
5353.515982	-52.5	25.5	-27.0	PASS
5353.013699	-52.5	25.5	-27.0	PASS
5358.036530	-52.5	25.5	-27.0	PASS
5359.041096	-52.6	25.6	-27.0	PASS
5365.570776	-53.1	26.1	-27.0	PASS
5368.584475	-53.4	26.4	-27.0	PASS
5356.027397	-53.5	26.5	-27.0	PASS
5366.575342	-53.5	26.5	-27.0	PASS
5365.068493	-53.5	26.5	-27.0	PASS
5355.525114	-53.6	26.6	-27.0	PASS
5374.611872	-53.6	26.6	-27.0	PASS
5351.506849	-53.6	26.6	-27.0	PASS
5352.511416	-53.6	26.6	-27.0	PASS
5368.082192	-53.7	26.7	-27.0	PASS

**Band edge, low channel ch38**

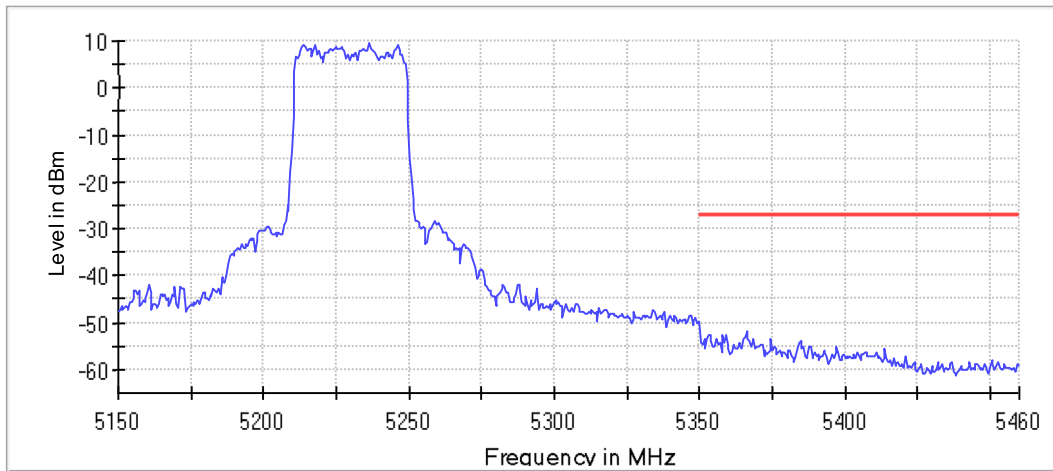
Band Edge





## Band edge, high channel ch46

Band Edge



— Limit    — SumLevel    × Fail

## 802.11ax HE-TB MCS0 full RU, 80MHz

### Measurements, band edge low ch42

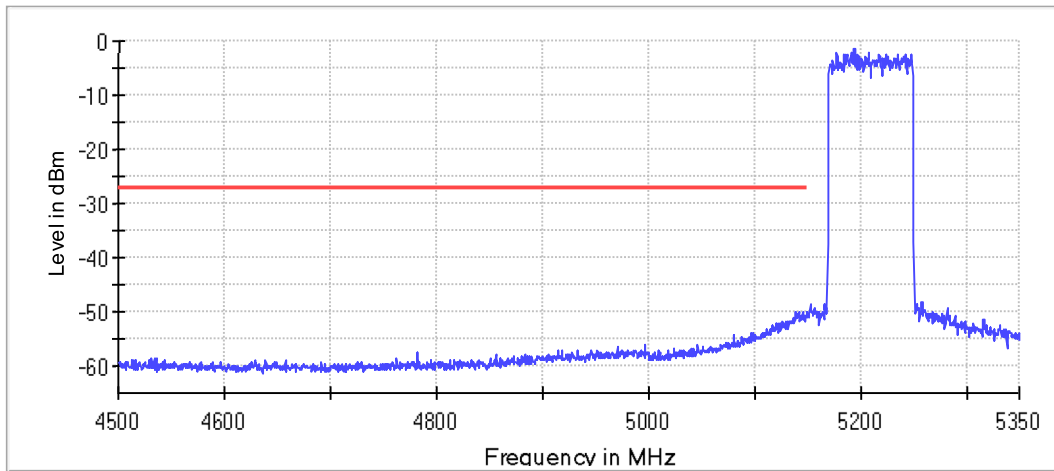
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5145.496536	-50.0	23.0	-27.0	PASS
5138.991532	-50.0	23.0	-27.0	PASS
5141.993841	-50.1	23.1	-27.0	PASS
5145.996921	-50.3	23.3	-27.0	PASS
5140.492687	-50.4	23.4	-27.0	PASS
5147.498075	-50.6	23.6	-27.0	PASS
5146.997691	-50.7	23.7	-27.0	PASS
5149.499615	-50.8	23.8	-27.0	PASS
5148.498845	-50.8	23.8	-27.0	PASS
5143.494996	-50.9	23.9	-27.0	PASS
5142.494226	-50.9	23.9	-27.0	PASS
5141.493457	-51.0	24.0	-27.0	PASS
5136.489607	-51.0	24.0	-27.0	PASS
5139.992302	-51.1	24.1	-27.0	PASS
5140.993072	-51.1	24.1	-27.0	PASS

### Measurements, band edge high ch42

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5352.009132	-56.2	29.2	-27.0	PASS
5359.041096	-56.4	29.4	-27.0	PASS
5359.543379	-56.6	29.6	-27.0	PASS
5351.506849	-56.9	29.9	-27.0	PASS
5414.794521	-57.1	30.1	-27.0	PASS
5389.178082	-57.2	30.2	-27.0	PASS
5352.511416	-57.3	30.3	-27.0	PASS
5355.022831	-57.4	30.4	-27.0	PASS
5372.602740	-57.5	30.5	-27.0	PASS
5356.027397	-57.5	30.5	-27.0	PASS
5377.625571	-57.5	30.5	-27.0	PASS
5389.680365	-57.7	30.7	-27.0	PASS
5368.082192	-57.9	30.9	-27.0	PASS
5354.520548	-58.0	31.0	-27.0	PASS
5372.100457	-58.0	31.0	-27.0	PASS

### Band edge, low channel ch42

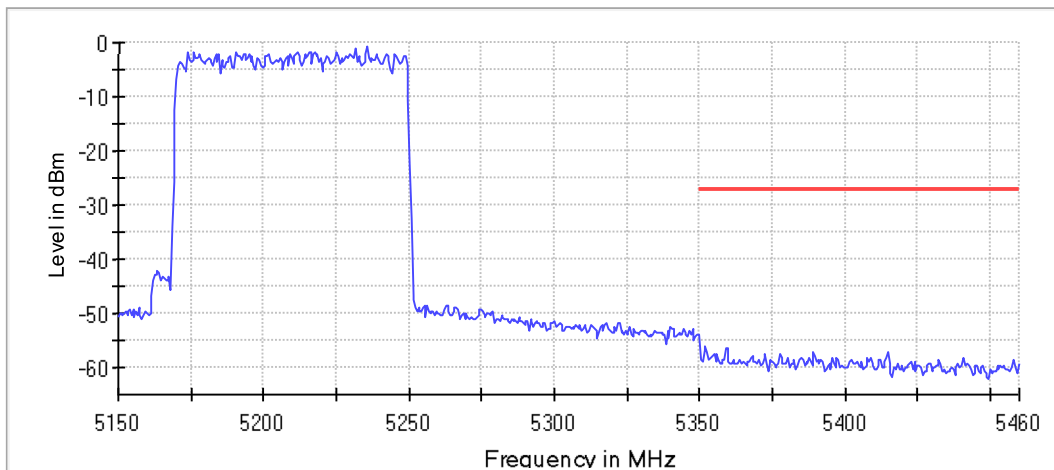
Band Edge



— Limit    — SumLevel    × Fail

### Band edge, high channel ch42

Band Edge



— Limit    — SumLevel    × Fail

## U-NII-2A

802.11a OFDM 6Mbps 20MHz

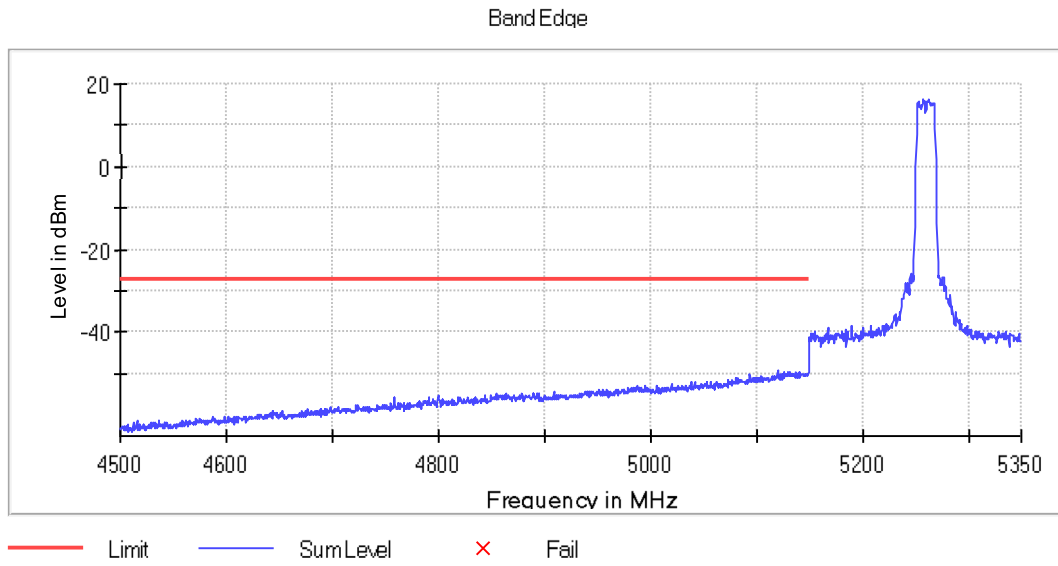
Measurements, band edge low ch52

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5119.976905	-49.3	22.3	-27.0	PASS
5149.499615	-49.3	22.3	-27.0	PASS
5137.490377	-49.5	22.5	-27.0	PASS
5131.986143	-49.5	22.5	-27.0	PASS
5120.477290	-49.6	22.6	-27.0	PASS
5125.981524	-49.6	22.6	-27.0	PASS
5129.984604	-49.7	22.7	-27.0	PASS
5148.999230	-49.7	22.7	-27.0	PASS
5139.992302	-49.8	22.8	-27.0	PASS
5140.993072	-49.8	22.8	-27.0	PASS
5145.496536	-49.8	22.8	-27.0	PASS
5134.488068	-49.9	22.9	-27.0	PASS
5124.480370	-49.9	22.9	-27.0	PASS
5133.987683	-49.9	22.9	-27.0	PASS

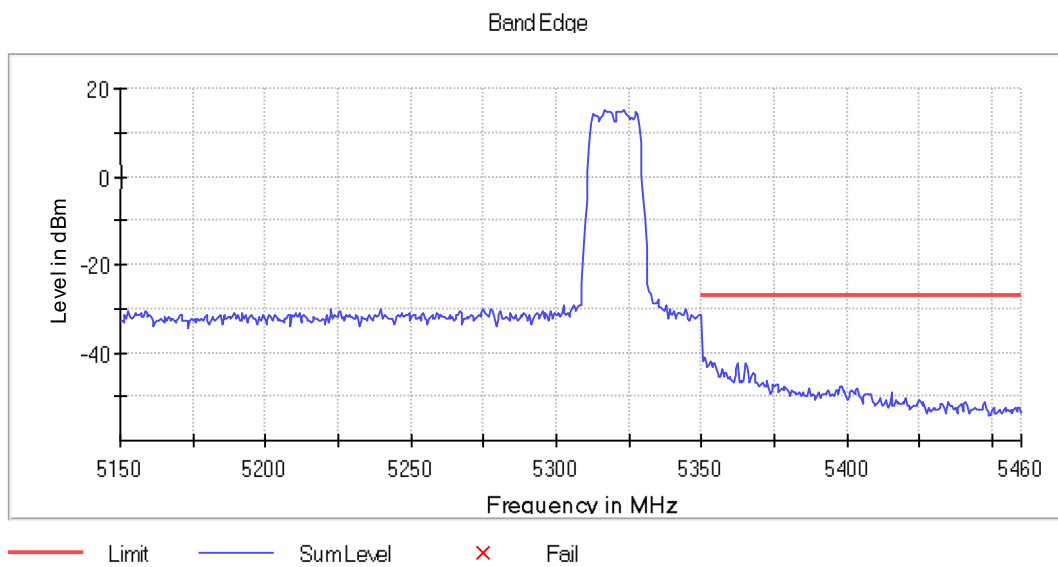
Measurements, band edge high ch64

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5351.004566	-41.3	14.3	-27.0	PASS
5350.502283	-41.8	14.8	-27.0	PASS
5353.013699	-41.9	14.9	-27.0	PASS
5354.520548	-42.4	15.4	-27.0	PASS
5354.018265	-42.4	15.4	-27.0	PASS
5365.068493	-42.5	15.5	-27.0	PASS
5362.557078	-42.5	15.5	-27.0	PASS
5352.511416	-42.7	15.7	-27.0	PASS
5351.506849	-42.9	15.9	-27.0	PASS
5365.570776	-43.3	16.3	-27.0	PASS
5353.515982	-43.3	16.3	-27.0	PASS
5352.009132	-43.4	16.4	-27.0	PASS
5362.054795	-43.6	16.6	-27.0	PASS
5355.022831	-43.7	16.7	-27.0	PASS
5357.031963	-43.9	16.9	-27.0	PASS

### Band edge, low channel ch52



### Band edge, high channel ch64



### 802.11n HT MCS4 20MHz

#### Measurements, band edge low ch52

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5146.497306	-48.5	21.5	-27.0	PASS
5148.498845	-48.8	21.8	-27.0	PASS
5120.477290	-48.9	21.9	-27.0	PASS
5119.976905	-48.9	21.9	-27.0	PASS
5124.980754	-49.0	22.0	-27.0	PASS
5136.989992	-49.0	22.0	-27.0	PASS
5145.996921	-49.0	22.0	-27.0	PASS
5137.490377	-49.2	22.2	-27.0	PASS
5132.486528	-49.2	22.2	-27.0	PASS
5128.483449	-49.2	22.2	-27.0	PASS

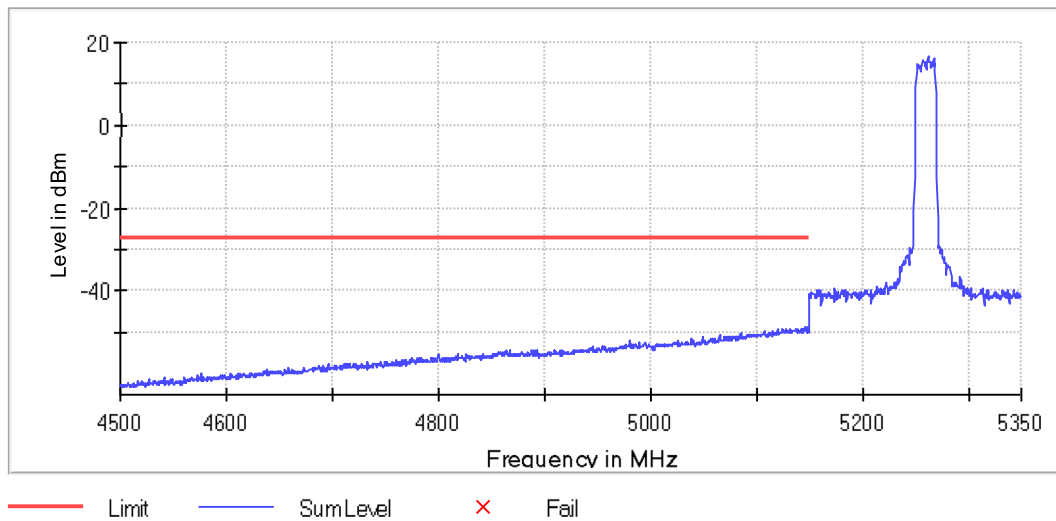
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5146.997691	-49.3	22.3	-27.0	PASS
5139.491917	-49.3	22.3	-27.0	PASS
5144.996151	-49.3	22.3	-27.0	PASS
5143.995381	-49.3	22.3	-27.0	PASS
5147.498075	-49.3	22.3	-27.0	PASS

Measurements, band edge high ch64

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5352.511416	-43.0	16.0	-27.0	PASS
5352.009132	-43.2	16.2	-27.0	PASS
5351.506849	-43.3	16.3	-27.0	PASS
5353.515982	-43.8	16.8	-27.0	PASS
5350.502283	-44.2	17.2	-27.0	PASS
5353.013699	-44.3	17.3	-27.0	PASS
5355.022831	-45.0	18.0	-27.0	PASS
5351.004566	-45.0	18.0	-27.0	PASS
5354.018265	-45.0	18.0	-27.0	PASS
5357.031963	-45.1	18.1	-27.0	PASS
5356.529680	-45.2	18.2	-27.0	PASS
5354.520548	-45.4	18.4	-27.0	PASS
5361.552511	-45.8	18.8	-27.0	PASS
5356.027397	-45.9	18.9	-27.0	PASS
5361.050228	-46.0	19.0	-27.0	PASS

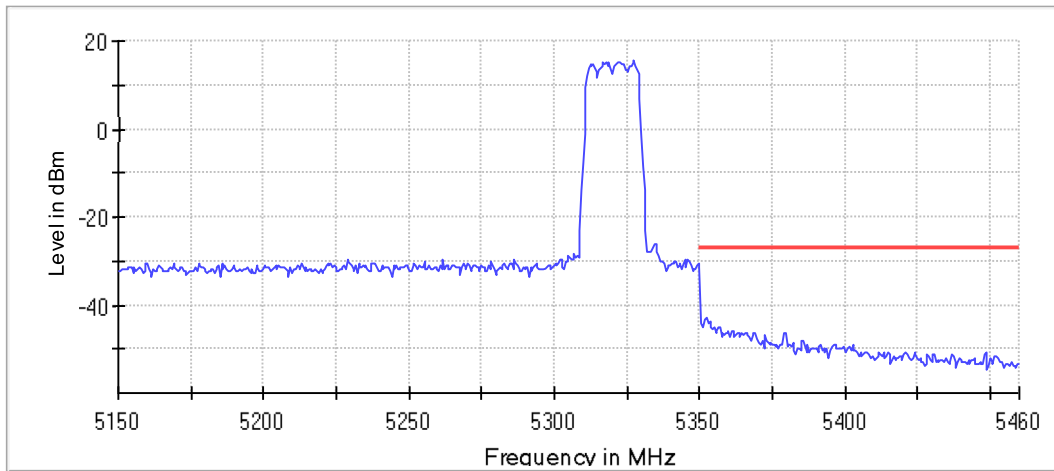
Band edge, low channel ch51

Band Edge



## Band edge, high channel ch64

Band Edge



— Limit    — SumLevel    × Fail

## 802.11n HT MCS4 40MHz

### Measurements, band edge low ch54

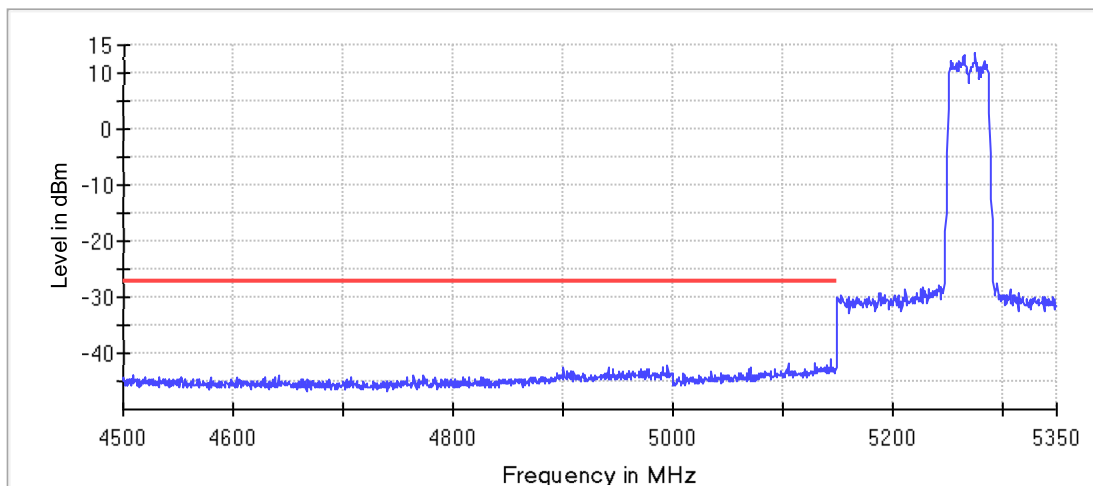
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5143.995381	-41.1	14.1	-27.0	PASS
5105.465743	-41.7	14.7	-27.0	PASS
5129.484219	-42.0	15.0	-27.0	PASS
5140.993072	-42.1	15.1	-27.0	PASS
5144.495766	-42.3	15.3	-27.0	PASS
4995.881447	-42.3	15.3	-27.0	PASS
5142.994611	-42.5	15.5	-27.0	PASS
5146.997691	-42.6	15.6	-27.0	PASS
5135.989222	-42.6	15.6	-27.0	PASS
5070.939184	-42.6	15.6	-27.0	PASS
4991.377983	-42.6	15.6	-27.0	PASS
5131.986143	-42.6	15.6	-27.0	PASS
4941.839877	-42.6	15.6	-27.0	PASS
5149.499615	-42.6	15.6	-27.0	PASS
5137.990762	-42.6	15.6	-27.0	PASS

## Measurements, band edge high ch62

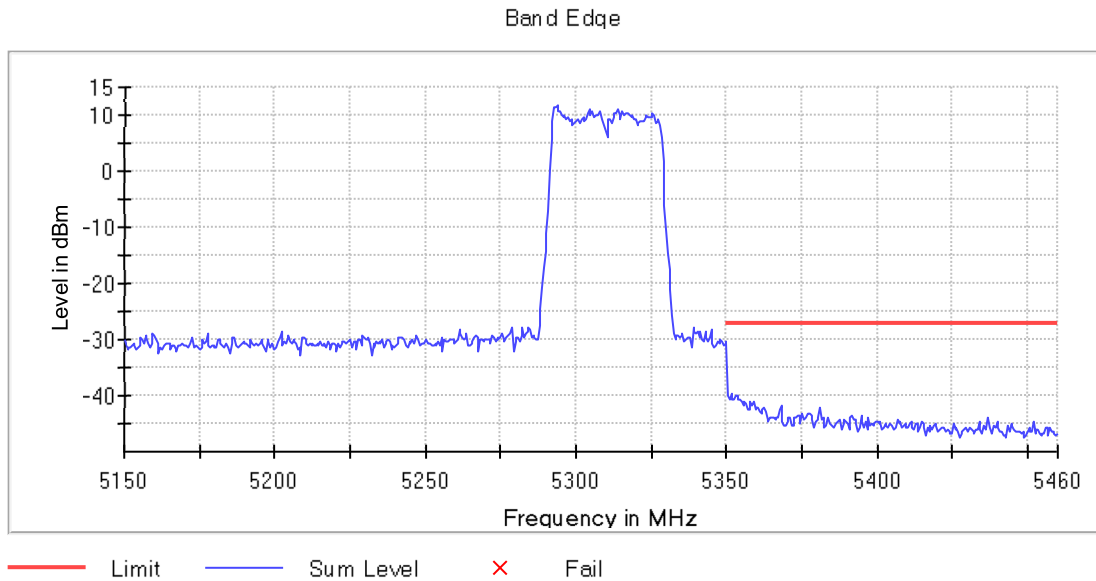
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5351.506849	-39.6	12.6	-27.0	PASS
5353.515982	-40.1	13.1	-27.0	PASS
5350.502283	-40.1	13.1	-27.0	PASS
5353.013699	-40.2	13.2	-27.0	PASS
5352.009132	-40.6	13.6	-27.0	PASS
5354.520548	-40.7	13.7	-27.0	PASS
5351.004566	-40.8	13.8	-27.0	PASS
5352.511416	-40.8	13.8	-27.0	PASS
5354.018265	-40.8	13.8	-27.0	PASS
5356.027397	-40.9	13.9	-27.0	PASS
5355.022831	-40.9	13.9	-27.0	PASS
5359.041096	-41.0	14.0	-27.0	PASS
5358.036530	-41.2	14.2	-27.0	PASS
5356.529680	-41.6	14.6	-27.0	PASS
5355.525114	-41.7	14.7	-27.0	PASS

## Band edge, low channel ch54

Band Edge



— Limit    — Sum Level    × Fail

**Band edge, high channel ch62**

**802.11ac VHT MCS0 20MHz**
**Measurements, band edge low ch52**

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5120.477290	-49.4	22.4	-27.0	PASS
5126.982294	-49.5	22.5	-27.0	PASS
5130.985373	-49.7	22.7	-27.0	PASS
5135.989222	-49.8	22.8	-27.0	PASS
5119.976905	-49.8	22.8	-27.0	PASS
5149.499615	-49.8	22.8	-27.0	PASS
5135.488838	-49.8	22.8	-27.0	PASS
5134.488068	-49.8	22.8	-27.0	PASS
5138.491147	-50.0	23.0	-27.0	PASS
5142.494226	-50.0	23.0	-27.0	PASS
5130.484988	-50.0	23.0	-27.0	PASS
5141.493457	-50.1	23.1	-27.0	PASS
5133.987683	-50.1	23.1	-27.0	PASS
5137.490377	-50.1	23.1	-27.0	PASS
5128.483449	-50.1	23.1	-27.0	PASS

**Measurements, band edge high ch64**

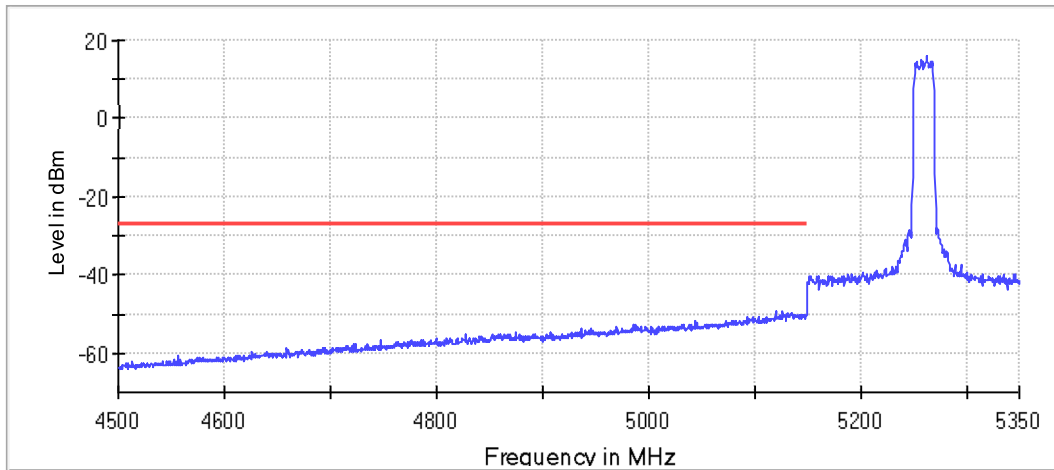
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5355.022831	-42.7	15.7	-27.0	PASS
5350.502283	-42.7	15.7	-27.0	PASS
5351.004566	-43.0	16.0	-27.0	PASS
5352.009132	-43.0	16.0	-27.0	PASS
5352.511416	-43.1	16.1	-27.0	PASS
5351.506849	-43.1	16.1	-27.0	PASS
5353.515982	-43.1	16.1	-27.0	PASS
5355.525114	-43.3	16.3	-27.0	PASS
5354.520548	-43.5	16.5	-27.0	PASS
5358.538813	-43.7	16.7	-27.0	PASS
5353.013699	-43.9	16.9	-27.0	PASS
5357.031963	-43.9	16.9	-27.0	PASS
5359.543379	-44.1	17.1	-27.0	PASS



Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5357.534247	-44.1	17.1	-27.0	PASS
5359.041096	-44.2	17.2	-27.0	PASS

### Band edge, low channel ch52

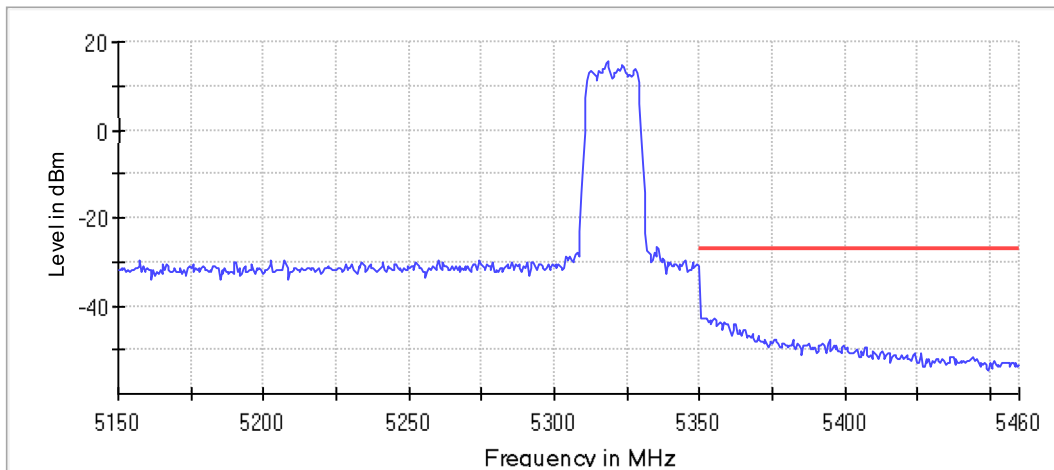
Band Edge



— Limit    — SumLevel    × Fail

### Band edge, high channel ch64

Band Edge



— Limit    — SumLevel    × Fail

## 802.11ac VHT MCS1 40MHz

## Measurements, band edge low ch52

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5148.498845	-42.1	15.1	-27.0	PASS
5147.498075	-42.3	15.3	-27.0	PASS
5145.996921	-42.4	15.4	-27.0	PASS
5143.995381	-42.4	15.4	-27.0	PASS
4920.323326	-42.5	15.5	-27.0	PASS
5148.999230	-42.5	15.5	-27.0	PASS
4905.812163	-42.6	15.6	-27.0	PASS
5145.496536	-42.6	15.6	-27.0	PASS
5141.993841	-42.7	15.7	-27.0	PASS
4951.847575	-42.7	15.7	-27.0	PASS
5146.497306	-42.7	15.7	-27.0	PASS
5112.971517	-42.7	15.7	-27.0	PASS
5122.478830	-42.7	15.7	-27.0	PASS
4983.371824	-42.7	15.7	-27.0	PASS
5120.977675	-42.8	15.8	-27.0	PASS

## Measurements, band edge high ch64

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5354.520548	-38.4	11.4	-27.0	PASS
5354.018265	-38.6	11.6	-27.0	PASS
5350.502283	-38.9	11.9	-27.0	PASS
5351.004566	-39.4	12.4	-27.0	PASS
5351.506849	-39.8	12.8	-27.0	PASS
5352.511416	-39.9	12.9	-27.0	PASS
5356.529680	-40.5	13.5	-27.0	PASS
5357.534247	-40.6	13.6	-27.0	PASS
5352.009132	-40.7	13.7	-27.0	PASS
5353.013699	-40.8	13.8	-27.0	PASS
5356.027397	-41.0	14.0	-27.0	PASS
5353.515982	-41.0	14.0	-27.0	PASS
5355.022831	-41.2	14.2	-27.0	PASS
5355.525114	-41.5	14.5	-27.0	PASS
5357.031963	-41.5	14.5	-27.0	PASS