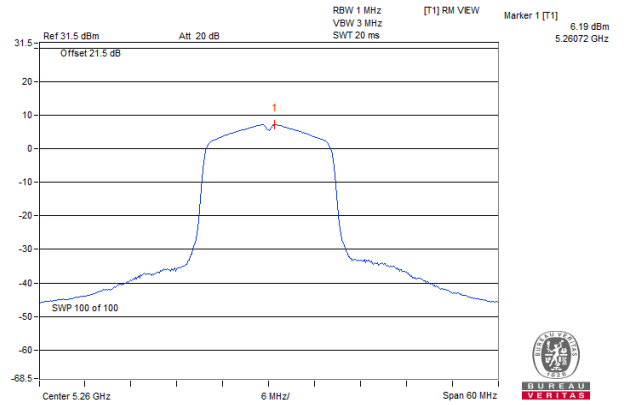
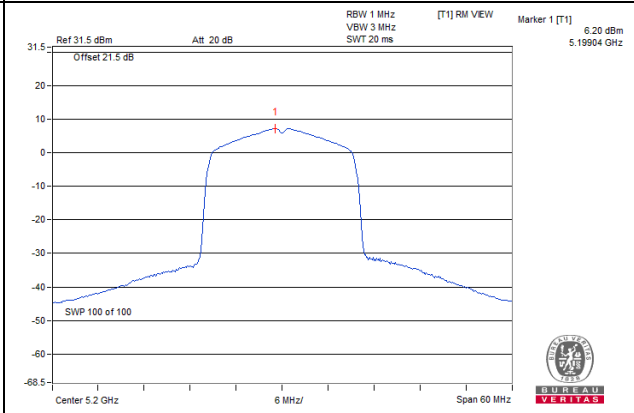
Spectrum Plot of Worst Value

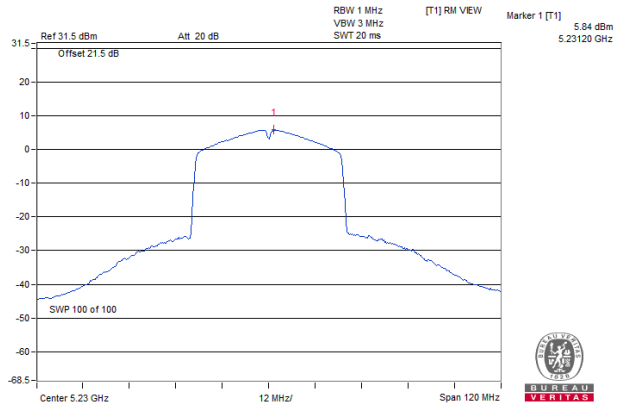
802.11a_Chain 0 / CH52



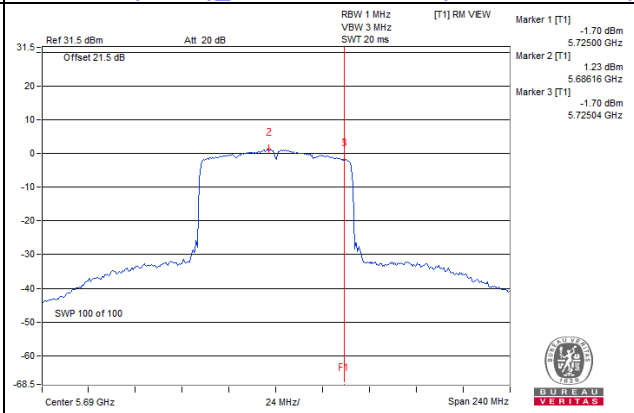
802.11ax (HE20)_Chain 0 / CH40



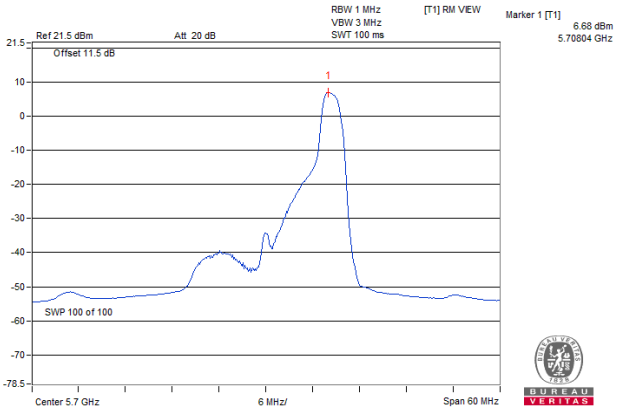
802.11ax (HE40)_Chain 0 / CH46



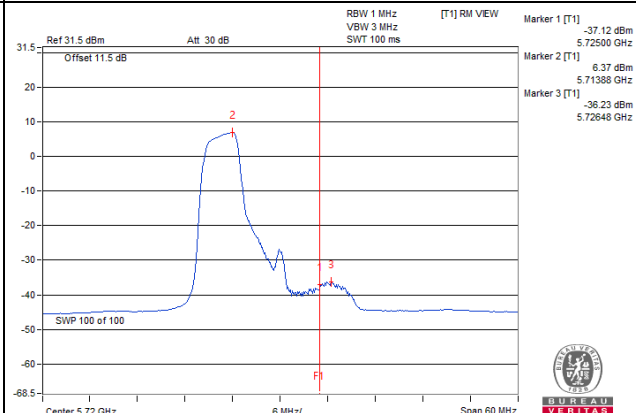
802.11ax (HE80)_Chain 1 / CH138 (U-NII-2C Band)



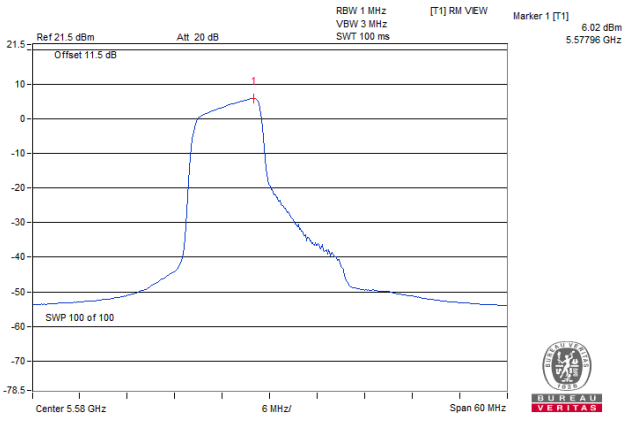
802.11ax (RU26)_Chain 1 / CH140



802.11ax (RU52)_Chain 0 / CH144 (U-NII-2C Band)



802.11ax (RU106)_Chain 1 / CH116



For U-NII-3 band:

CDD Mode

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain 0	Chain 1				
144 (U-NII-3 Band)	5720	-5.03	-4.72	-1.86	0.36	27.99	Pass
149	5745	1.18	1.92	4.58	6.80	27.99	Pass
157	5785	1.54	2.57	5.10	7.32	27.99	Pass
165	5825	2.10	2.49	5.31	7.53	27.99	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain is 5 dBi + 10log(2) = 8.01 dBi > 6dBi, so the power density limit shall be reduced to 30-(8.01-6) = 27.99 dBm.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain 0	Chain 1				
144 (U-NII-3 Band)	5720	-5.61	-4.92	-2.24	-0.02	27.99	Pass
149	5745	0.34	0.87	3.62	5.84	27.99	Pass
157	5785	0.33	0.86	3.61	5.83	27.99	Pass
165	5825	0.69	0.93	3.82	6.04	27.99	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain is 5 dBi + 10log(2) = 8.01 dBi > 6dBi, so the power density limit shall be reduced to 30-(8.01-6) = 27.99 dBm.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain 0	Chain 1				
142 (U-NII-3 Band)	5710	-9.05	-8.26	-5.63	-3.41	27.99	Pass
151	5755	-3.79	-3.40	-0.58	1.64	27.99	Pass
159	5795	-3.49	-3.50	-0.48	1.74	27.99	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain is 5 dBi + 10log(2) = 8.01 dBi > 6dBi, so the power density limit shall be reduced to 30-(8.01-6) = 27.99 dBm.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain 0	Chain 1				
138 (U-NII-3 Band)	5690	-11.20	-10.89	-8.03	-5.81	27.99	Pass
155	5775	-7.84	-7.74	-4.78	-2.56	27.99	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain is 5 dBi + 10log(2) = 8.01 dBi > 6dBi, so the power density limit shall be reduced to 30-(8.01-6) = 27.99 dBm.

802.11ax (RU26)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass/ Fail
			Chain 0	Chain 1				
26/8	144 (U-NII-3 Band)	5720	-3.06	-1.45	0.83	3.05	27.99	Pass
26/0	144 (U-NII-3 Band)	5720	-48.85	-47.45	-45.08	-42.86	27.99	Pass
26/0	149	5745	7.65	8.17	10.93	13.15	27.99	Pass
26/4	157	5785	8.88	9.33	12.12	14.34	27.99	Pass
26/8	165	5825	7.48	7.91	10.71	12.93	27.99	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain is 5 dBi + 10log(2) = 8.01 dBi > 6dBi, so the power density limit shall be reduced to 30-(8.01-6) = 27.99 dBm.

802.11ax (RU52)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass/ Fail
			Chain 0	Chain 1				
52/40	144 (U-NII-3 Band)	5720	-4.75	-2.94	-0.74	1.48	27.99	Pass
52/37	144 (U-NII-3 Band)	5720	-43.86	-46.68	-42.03	-39.81	27.99	Pass
52/37	149	5745	6.98	7.51	10.26	12.48	27.99	Pass
52/39	157	5785	6.77	7.66	10.25	12.47	27.99	Pass
52/40	165	5825	7.18	7.16	10.18	12.40	27.99	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain is 5 dBi + 10log(2) = 8.01 dBi > 6dBi, so the power density limit shall be reduced to 30-(8.01-6) = 27.99 dBm.

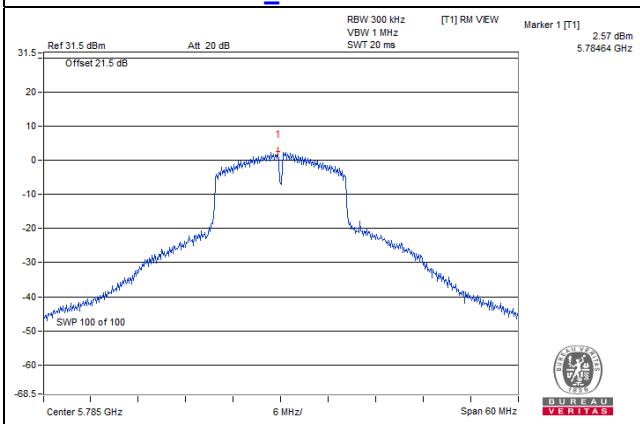
802.11ax (RU106)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass/ Fail
			Chain 0	Chain 1				
106/54	144 (U-NII-3 Band)	5720	-5.85	-5.21	-2.51	-0.29	27.99	Pass
106/53	144 (U-NII-3 Band)	5720	-39.35	-42.03	-37.48	-35.26	27.99	Pass
106/53	149	5745	4.48	5.58	8.08	10.30	27.99	Pass
106/54	157	5785	5.24	6.15	8.73	10.95	27.99	Pass
106/54	165	5825	5.64	6.11	8.89	11.11	27.99	Pass

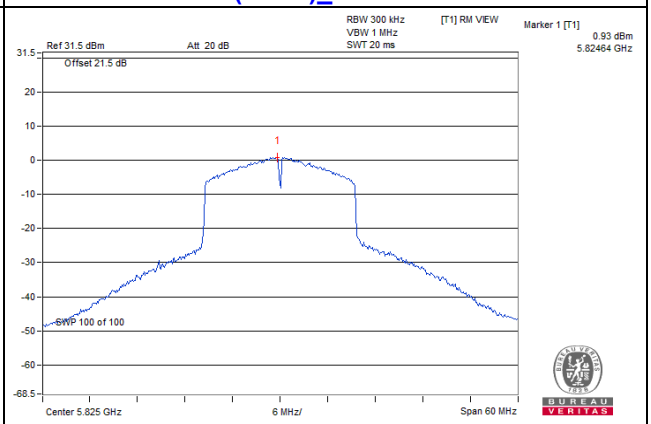
Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain is 5 dBi + 10log(2) = 8.01 dBi > 6dBi, so the power density limit shall be reduced to 30-(8.01-6) = 27.99 dBm.

Spectrum Plot of Worst Value

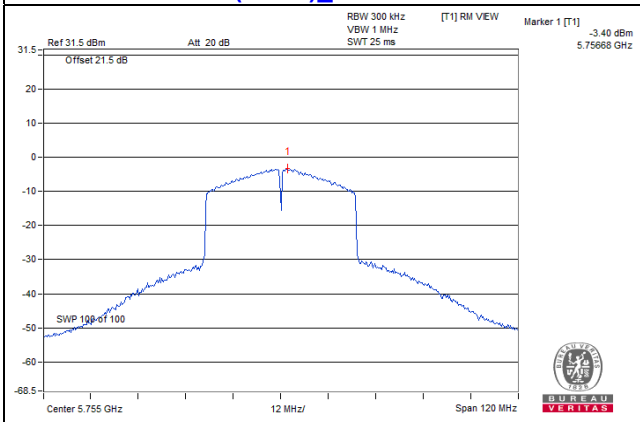
802.11a_Chain 1 / CH157



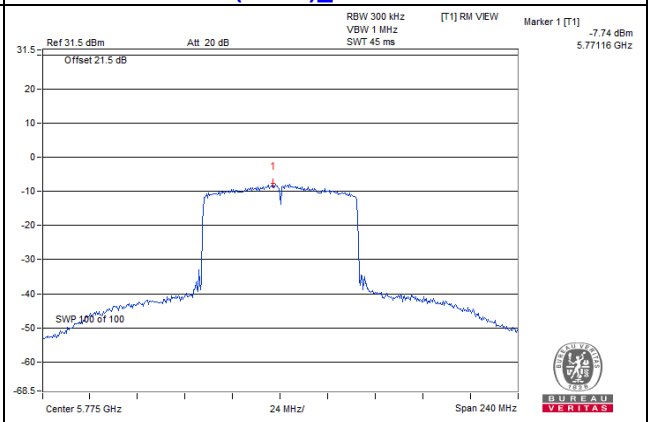
802.11ax (HE20)_Chain 1 / CH165



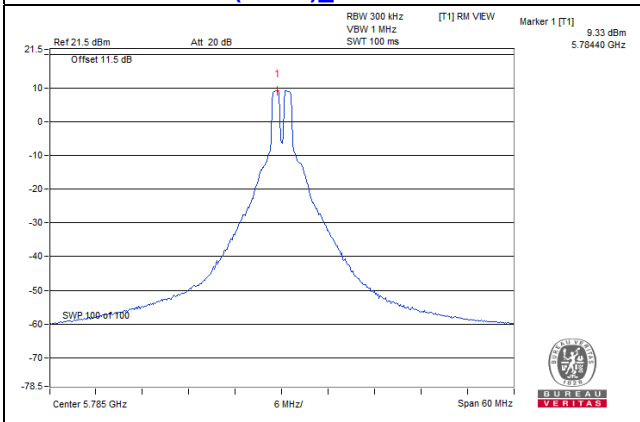
802.11ax (HE40)_Chain 1 / CH151



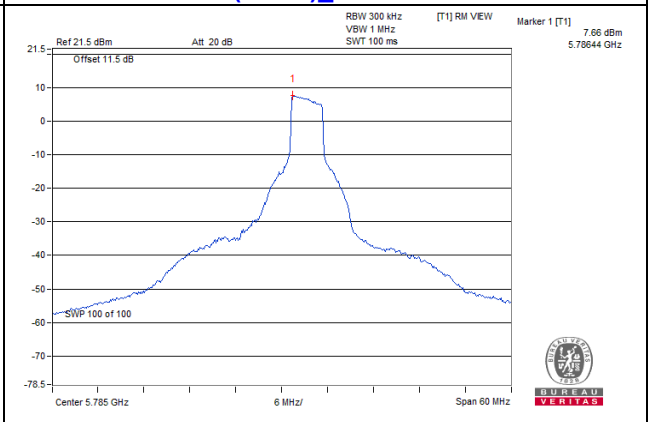
802.11ax (HE80)_Chain 1 / CH155



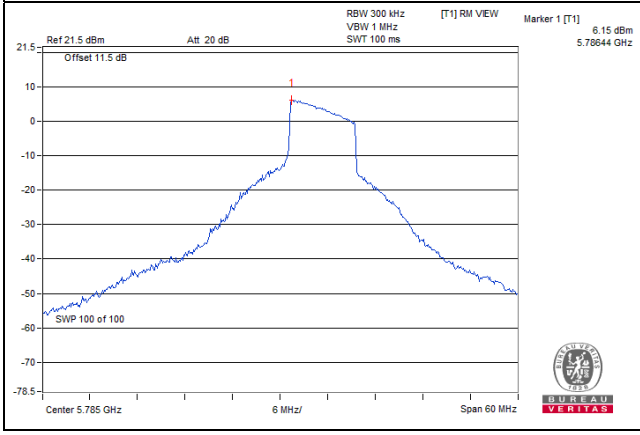
802.11ax (RU26)_Chain 1 / CH157



802.11ax (RU52)_Chain 1 / CH157



802.11ax (RU106)_Chain 1 / CH157



4.5.8 Test Results (Mode 2)

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

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
36	5180	10.39	11.00	Pass
40	5200	10.78	11.00	Pass
48	5240	10.94	11.00	Pass
52	5260	10.92	11.00	Pass
60	5300	10.96	11.00	Pass
64	5320	10.93	11.00	Pass
100	5500	9.06	11.00	Pass
116	5580	10.94	11.00	Pass
140	5700	7.81	11.00	Pass
144 (U-NII-2C Band)	5720	10.76	11.00	Pass

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
36	5180	9.96	11.00	Pass
40	5200	10.33	11.00	Pass
48	5240	10.63	11.00	Pass
52	5260	10.85	11.00	Pass
60	5300	10.69	11.00	Pass
64	5320	9.28	11.00	Pass
100	5500	8.31	11.00	Pass
116	5580	10.60	11.00	Pass
140	5700	7.14	11.00	Pass
144 (U-NII-2C Band)	5720	10.58	11.00	Pass

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
38	5190	3.03	11.00	Pass
46	5230	6.60	11.00	Pass
54	5270	6.77	11.00	Pass
62	5310	3.75	11.00	Pass
102	5510	2.56	11.00	Pass
110	5550	6.99	11.00	Pass
134	5670	4.78	11.00	Pass
142 (U-NII-2C Band)	5710	6.70	11.00	Pass

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
42	5210	-1.22	11.00	Pass
58	5290	-0.51	11.00	Pass
106	5530	-1.85	11.00	Pass
122	5610	2.24	11.00	Pass
138 (U-NII-2C Band)	5690	2.10	11.00	Pass

802.11ax (RU26)

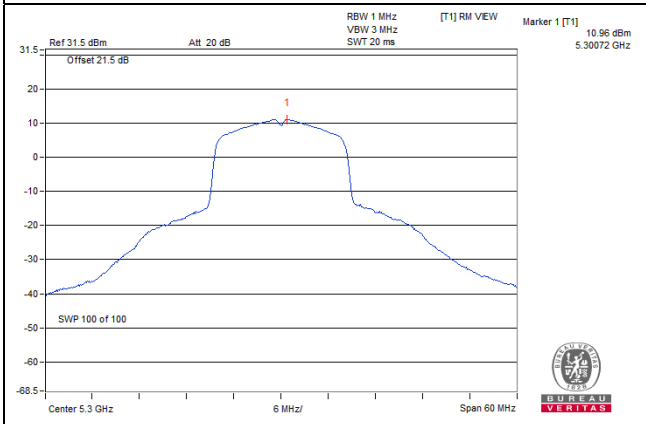
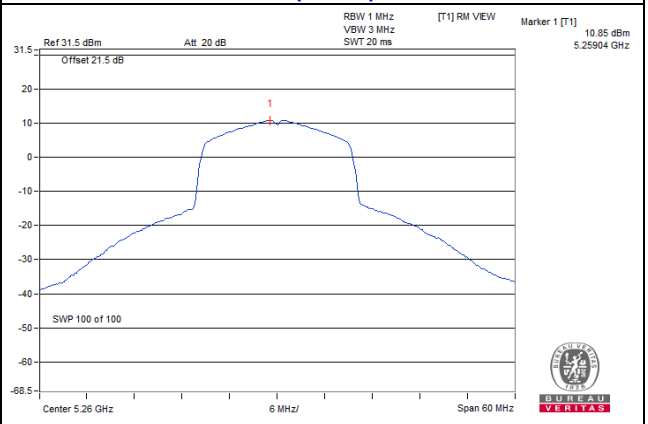
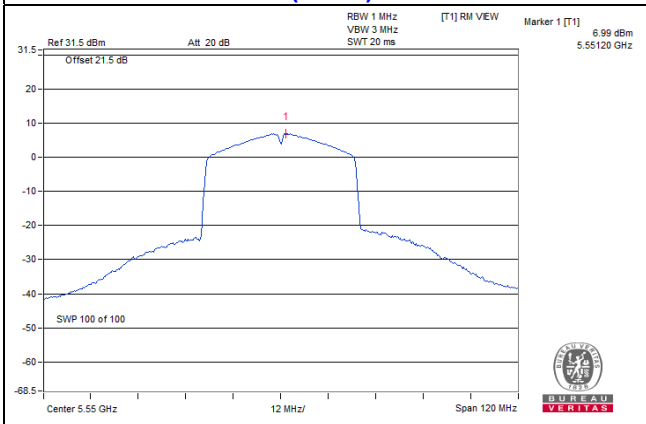
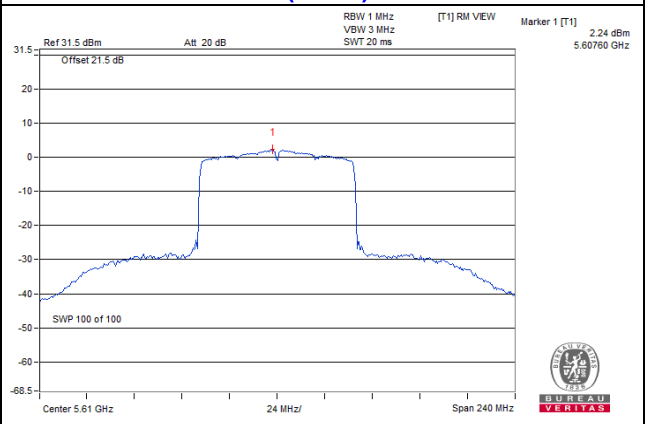
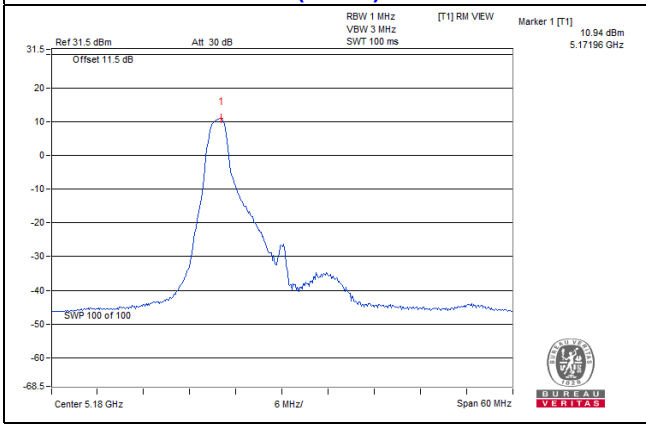
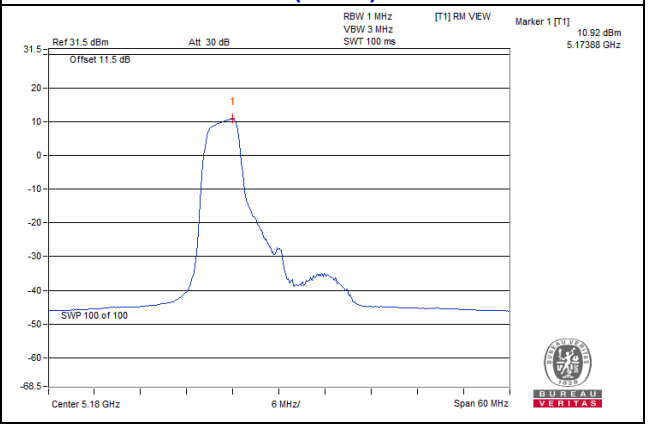
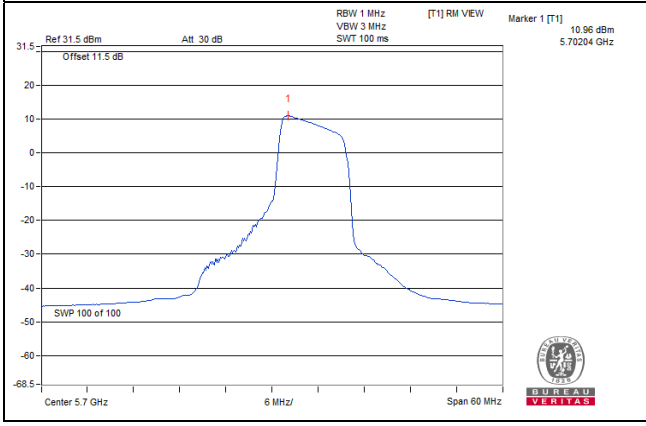
RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
26/0	36	5180	10.94	11.00	Pass
26/4	40	5200	10.85	11.00	Pass
26/8	48	5240	10.70	11.00	Pass
26/0	52	5260	10.88	11.00	Pass
26/4	60	5300	10.83	11.00	Pass
26/8	64	5320	10.86	11.00	Pass
26/0	100	5500	10.85	11.00	Pass
26/4	116	5580	10.86	11.00	Pass
26/8	140	5700	10.85	11.00	Pass
26/8	144 (U-NII-2C Band)	5720	-15.33	11.00	Pass
26/0	144 (U-NII-2C Band)	5720	10.47	11.00	Pass

802.11ax (RU52)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
52/37	36	5180	10.92	11.00	Pass
52/39	40	5200	10.81	11.00	Pass
52/40	48	5240	10.70	11.00	Pass
52/37	52	5260	10.90	11.00	Pass
52/39	60	5300	10.92	11.00	Pass
52/40	64	5320	10.73	11.00	Pass
52/37	100	5500	10.75	11.00	Pass
52/39	116	5580	10.76	11.00	Pass
52/40	140	5700	10.86	11.00	Pass
52/40	144 (U-NII-2C Band)	5720	1.82	11.00	Pass
52/37	144 (U-NII-2C Band)	5720	10.75	11.00	Pass

802.11ax (RU106)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
106/53	36	5180	10.85	11.00	Pass
106/53	40	5200	10.74	11.00	Pass
106/54	48	5240	10.70	11.00	Pass
106/53	52	5260	10.84	11.00	Pass
106/54	60	5300	10.89	11.00	Pass
106/54	64	5320	10.85	11.00	Pass
106/53	100	5500	10.73	11.00	Pass
106/53	116	5580	10.86	11.00	Pass
106/54	140	5700	10.96	11.00	Pass
106/54	144 (U-NII-2C Band)	5720	10.74	11.00	Pass
106/54	144 (U-NII-2C Band)	5720	10.79	11.00	Pass

Spectrum Plot of Worst Value	
802.11a / CH60	**802.11ax (HE20) / CH52**
	
802.11ax (HE40) / CH110	**802.11ax (HE80) / CH122**
	
802.11ax (RU26) / CH36	**802.11ax (RU52) / CH36**
	
802.11ax (RU106) / CH140	
	

For U-NII-3 band:

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
144 (U-NII-3 Band)	5720	-1.01	1.21	30.00	Pass
149	5745	2.71	4.93	30.00	Pass
157	5785	2.61	4.83	30.00	Pass
165	5825	2.47	4.69	30.00	Pass

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
144 (U-NII-3 Band)	5720	-1.64	0.58	30.00	Pass
149	5745	1.75	3.97	30.00	Pass
157	5785	1.54	3.76	30.00	Pass
165	5825	1.62	3.84	30.00	Pass

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
142 (U-NII-3 Band)	5710	-7.41	-5.19	30.00	Pass
151	5755	-2.66	-0.44	30.00	Pass
159	5795	-2.29	-0.07	30.00	Pass

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
138 (U-NII-3 Band)	5690	-9.64	-7.42	30.00	Pass
155	5775	-6.88	-4.66	30.00	Pass

802.11ax (RU26)

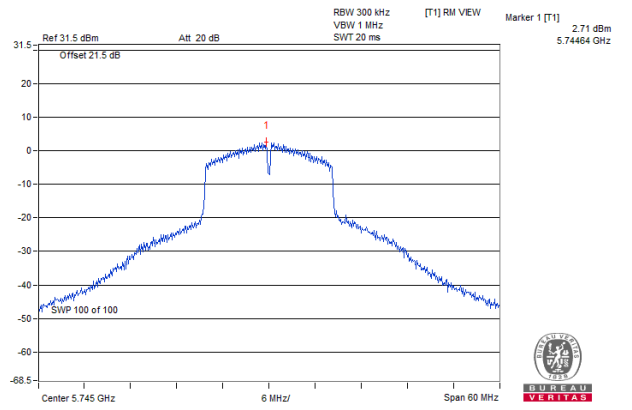
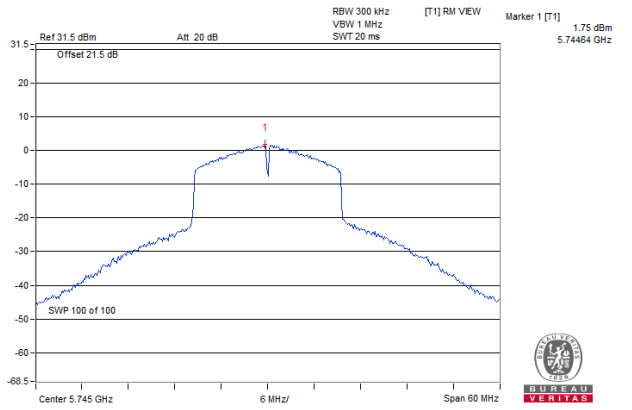
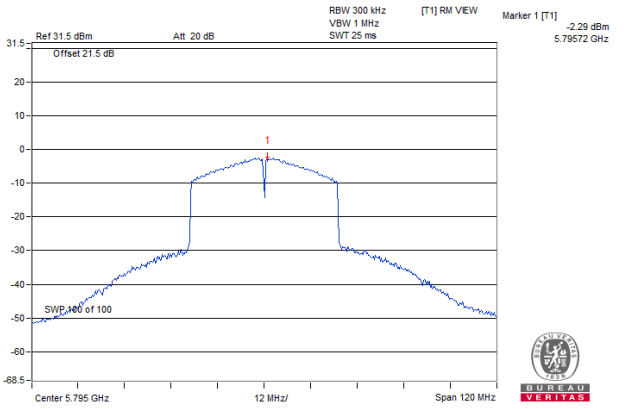
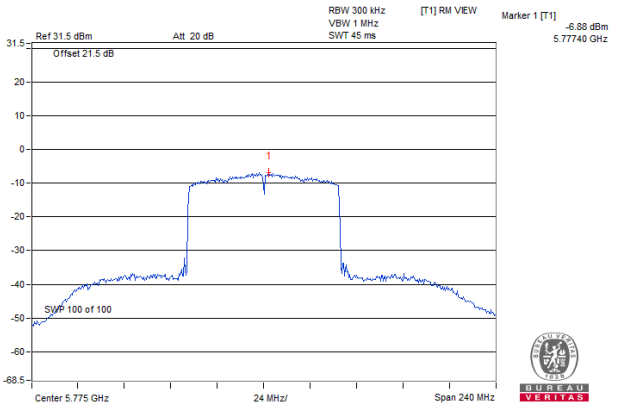
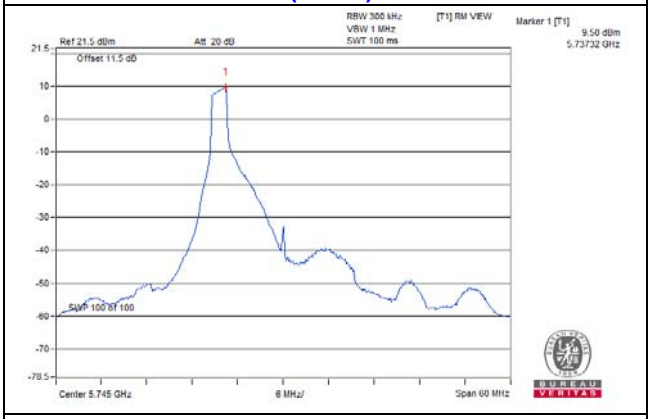
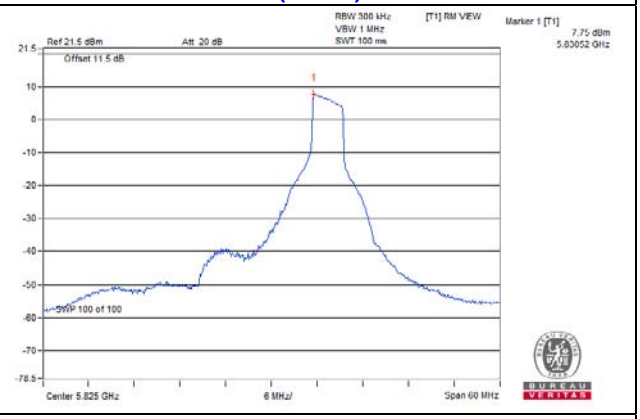
RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
26/8	144 (U-NII-3 Band)	5720	2.15	4.37	30.00	Pass
26/0	144 (U-NII-3 Band)	5720	-44.81	-42.59	30.00	Pass
26/0	149	5745	9.50	11.72	30.00	Pass
26/4	157	5785	9.25	11.47	30.00	Pass
26/8	165	5825	9.40	11.62	30.00	Pass

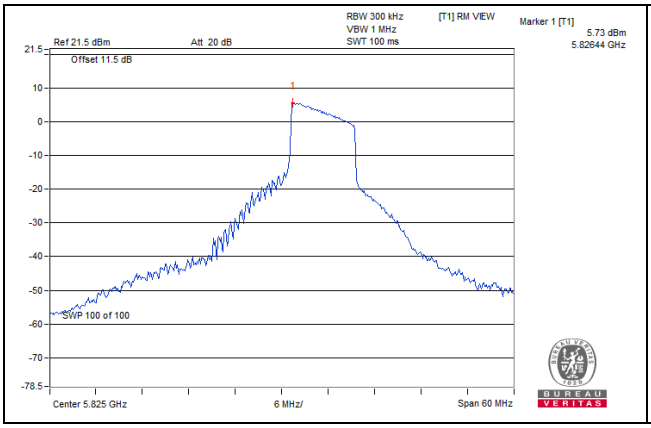
802.11ax (RU52)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
52/40	144 (U-NII-3 Band)	5720	2.14	4.36	30.00	Pass
52/37	144 (U-NII-3 Band)	5720	-42.62	-40.40	30.00	Pass
52/37	149	5745	7.10	9.32	30.00	Pass
52/39	157	5785	7.30	9.52	30.00	Pass
52/40	165	5825	7.75	9.97	30.00	Pass

802.11ax (RU106)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
106/54	144 (U-NII-3 Band)	5720	-0.23	1.99	30.00	Pass
106/53	144 (U-NII-3 Band)	5720	-34.50	-32.28	30.00	Pass
106/53	149	5745	5.01	7.23	30.00	Pass
106/54	157	5785	5.55	7.77	30.00	Pass
106/54	165	5825	5.73	7.95	30.00	Pass

Spectrum Plot of Worst Value	
802.11a / CH149	**802.11ax (HE20) / CH149**
	
802.11ax (HE40) / CH159	**802.11ax (HE80)/ CH155**
	
802.11ax (RU26) / CH149	**802.11ax (RU52) / CH165**
	
802.11ax (RU106) / CH165	

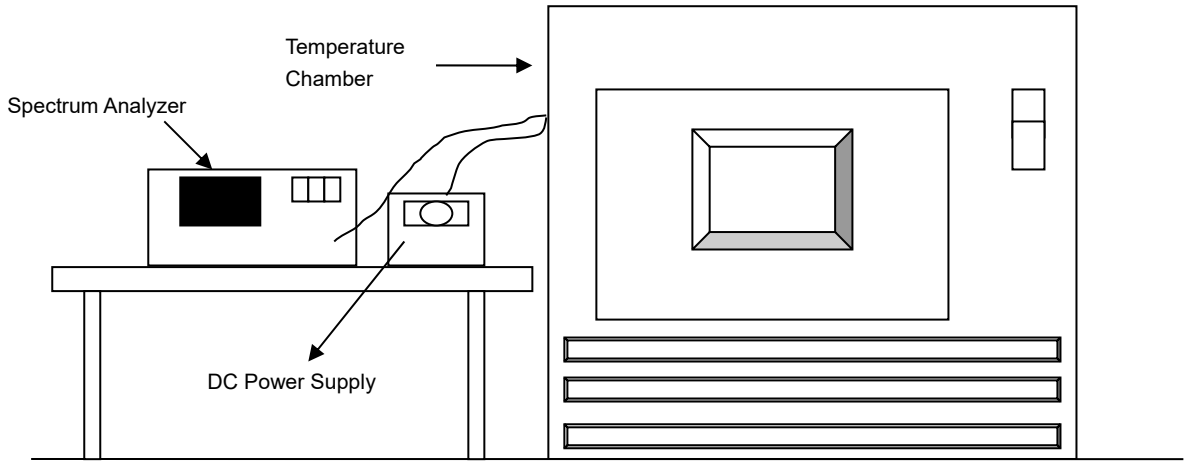


4.6 Frequency Stability Measurement

4.6.1 Limits of Frequency Stability Measurement

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

4.6.2 Test Setup



4.6.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.6.4 Test Procedure

a. The EUT was placed inside the environmental test chamber and powered by nominal DC voltage.

b. Turn the EUT on and couple its output to a spectrum analyzer.

c. Turn the EUT off and set the chamber to the highest temperature specified.

d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 Minutes.

e. Repeat step (d) with the temperature chamber set to the next desired temperature until measurements down to the lowest specified temperature have been completed.

f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 Minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

4.6.5 Deviation from Test Standard

No deviation.

4.6.6 EUT Operating Condition

Set the EUT transmit at un-modulation mode to test frequency stability.

4.6.7 Test Results

Frequency Stability Versus Temp.									
Operating Frequency: 5180 MHz									
TEMP. (℃)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail
70	3.3	5179.9982	Pass	5179.9975	Pass	5179.9975	Pass	5179.9968	Pass
60	3.3	5179.9741	Pass	5179.975	Pass	5179.9726	Pass	5179.9736	Pass
50	3.3	5179.9945	Pass	5179.9971	Pass	5179.9946	Pass	5179.9977	Pass
40	3.3	5180.0236	Pass	5180.0248	Pass	5180.0222	Pass	5180.0239	Pass
30	3.3	5180.0098	Pass	5180.0095	Pass	5180.0112	Pass	5180.0075	Pass
20	3.3	5180.004	Pass	5180.0008	Pass	5180.0025	Pass	5180.0004	Pass
10	3.3	5180.0198	Pass	5180.0186	Pass	5180.0195	Pass	5180.0212	Pass
0	3.3	5180.0022	Pass	5180.0046	Pass	5180.0018	Pass	5180.0041	Pass
-10	3.3	5179.9978	Pass	5179.9984	Pass	5179.9973	Pass	5179.9971	Pass
-20	3.3	5179.9772	Pass	5179.978	Pass	5179.9774	Pass	5179.9788	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
TEMP. (℃)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail
20	3.795	5180.005	Pass	5180.0007	Pass	5180.0026	Pass	5180.0006	Pass
	3.3	5180.004	Pass	5180.0008	Pass	5180.0025	Pass	5180.0004	Pass
	2.805	5180.0033	Pass	5180.0014	Pass	5180.0025	Pass	5180.0004	Pass

4.7 6dB Bandwidth Measurement

4.7.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

4.7.2 Test Setup

4.7.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.7.4 Test Procedure

MEASUREMENT PROCEDURE REF

a. Set resolution bandwidth (RBW) = 100kHz
b. Set the video bandwidth (VBW) ≥ 3 x RBW, Detector = Peak.
c. Trace mode = max hold.
d. Sweep = auto couple.
e. Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission

4.7.5 Deviation from Test Standard

No deviation.

4.7.6 EUT Operating Condition

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.7.7 Test Results (Mode 1)

CDD Mode

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Pass / Fail
		Chain 0	Chain 1	
144 (U-NII-3 Band)	5720	2.51	2.52	Pass
149	5745	15.12	15.11	Pass
157	5785	15.12	15.12	Pass
165	5825	15.09	15.13	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Pass / Fail
		Chain 0	Chain 1	
144 (U-NII-3 Band)	5720	2.52	2.51	Pass
149	5745	15.11	15.13	Pass
157	5785	15.12	15.12	Pass
165	5825	15.1	15.13	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Pass / Fail
		Chain 0	Chain 1	
142 (U-NII-3 Band)	5710	1.23	1.21	Pass
151	5755	31.36	31.44	Pass
159	5795	31.41	32.64	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Pass / Fail
		Chain 0	Chain 1	
138 (U-NII-3 Band)	5690	2.76	2.7	Pass
155	5775	75.39	75.4	Pass

802.11ax (RU26)

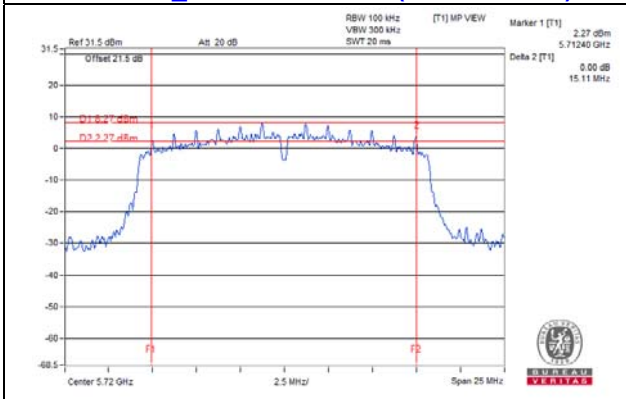
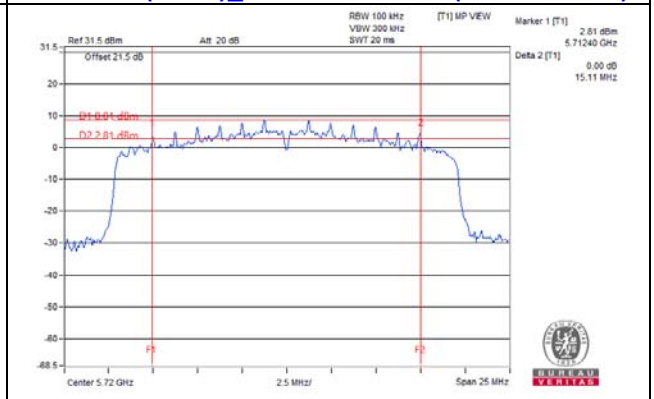
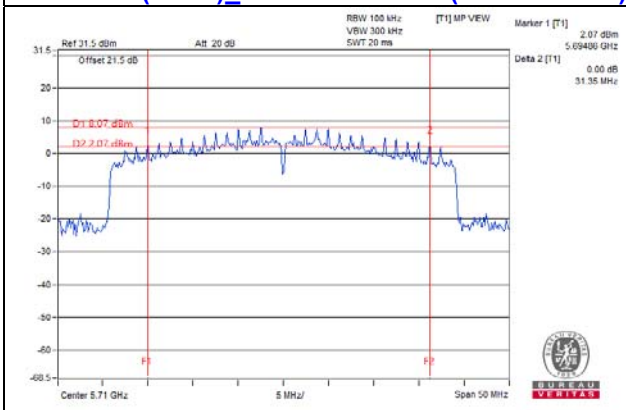
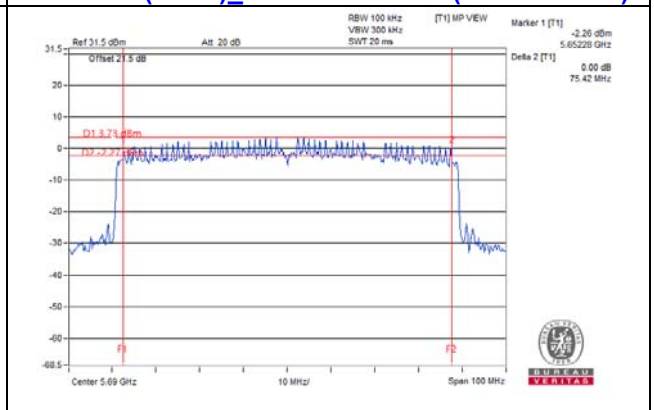
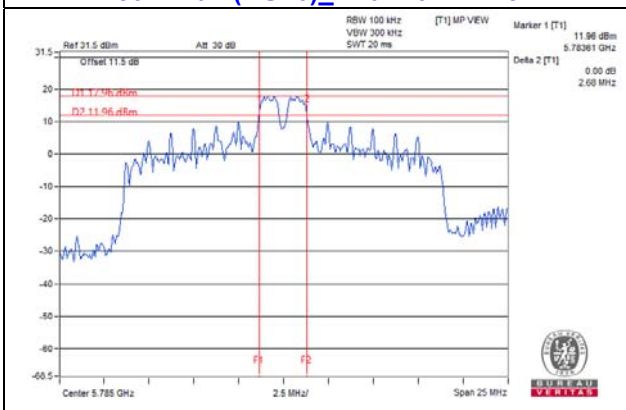
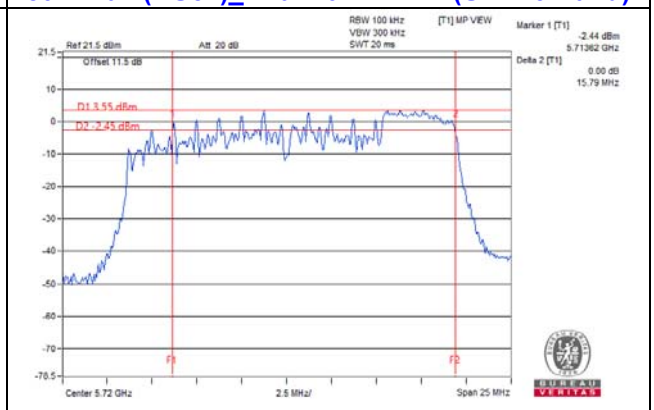
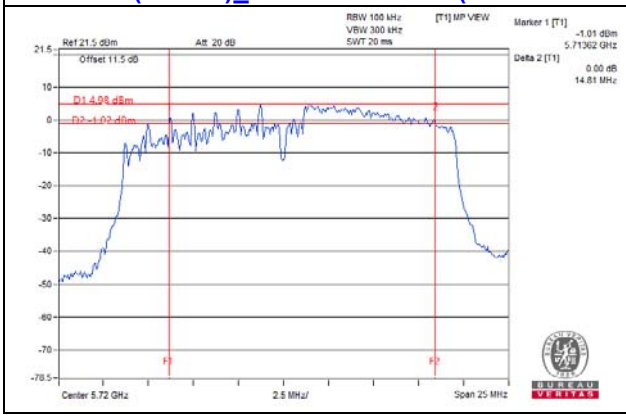
RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Pass / Fail
			Chain 0	Chain 1	
26/8	144 (U-NII-3 Band)	5720	4.43	4.42	Pass
26/0	149	5745	14.5	15.73	Pass
26/4	157	5785	2.68	2.72	Pass
26/8	165	5825	15.81	14.51	Pass

802.11ax (RU52)

RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Pass / Fail
			Chain 0	Chain 1	
52/40	144 (U-NII-3 Band)	5720	4.41	4.41	Pass
52/37	149	5745	17.01	16.98	Pass
52/39	157	5785	10.42	10.43	Pass
52/40	165	5825	15.78	16.97	Pass

802.11ax (RU106)

RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Pass / Fail
			Chain 0	Chain 1	
106/54	144 (U-NII-3 Band)	5720	3.43	3.47	Pass
106/53	149	5745	16.91	15.78	Pass
106/54	157	5785	16.05	17.01	Pass
106/54	165	5825	16.96	17.01	Pass

Spectrum Plot of Worst Value	
802.11a_Chain 0 / CH144 (U-NII-3 Band)	**802.11ax (HE20)_Chain 1 / CH144 (U-NII-3 Band)**
	
802.11ax (HE40)_Chain 1 / CH142 (U-NII-3 Band)	**802.11ax (HE80)_Chain 1 / CH138 (U-NII-3 Band)**
	
802.11ax (RU26)_Chain 0 / CH157	**802.11ax (RU52)_Chain 0 / CH144 (U-NII-3 Band)**
	
802.11ax (RU106)_Chain 0 / CH144 (U-NII-3 Band)	
	

Note: The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

4.7.8 Test Results (Mode 2)

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Pass / Fail
144 (U-NII-3 Band)	5720	2.52	Pass
149	5745	15.12	Pass
157	5785	15.13	Pass
165	5825	15.13	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Pass / Fail
144 (U-NII-3 Band)	5720	2.52	Pass
149	5745	15.13	Pass
157	5785	15.13	Pass
165	5825	15.13	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Pass / Fail
142 (U-NII-3 Band)	5710	0.53	Pass
151	5755	32.59	Pass
159	5795	32.66	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Pass / Fail
138 (U-NII-3 Band)	5690	2.76	Pass
155	5775	76.55	Pass

802.11ax (RU26)

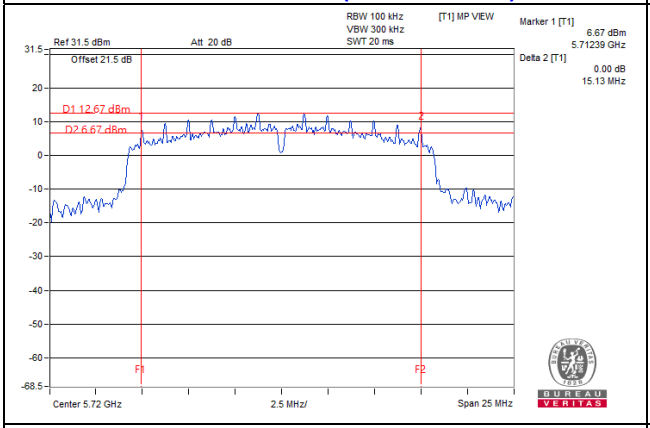
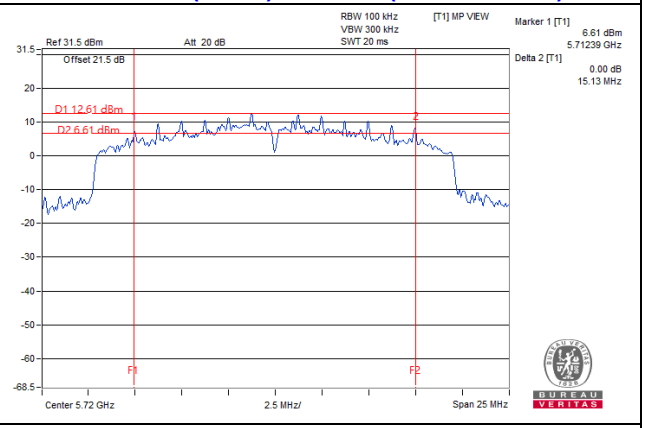
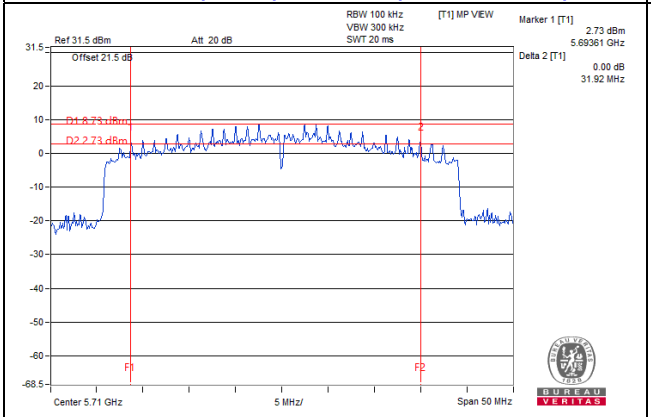
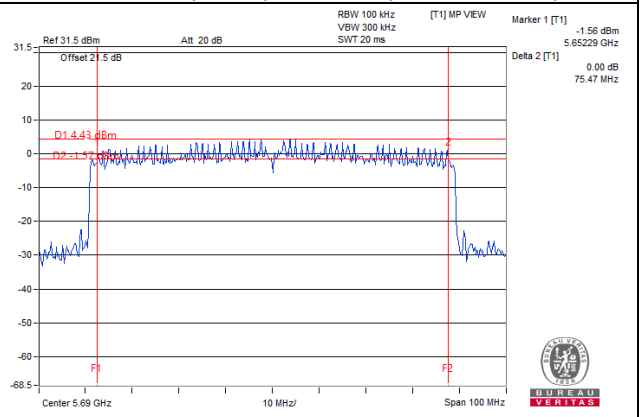
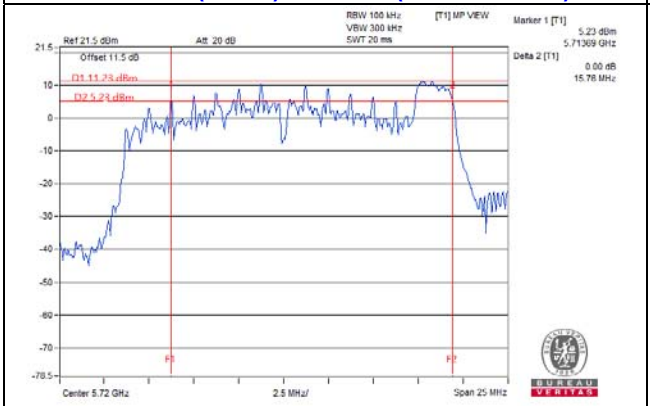
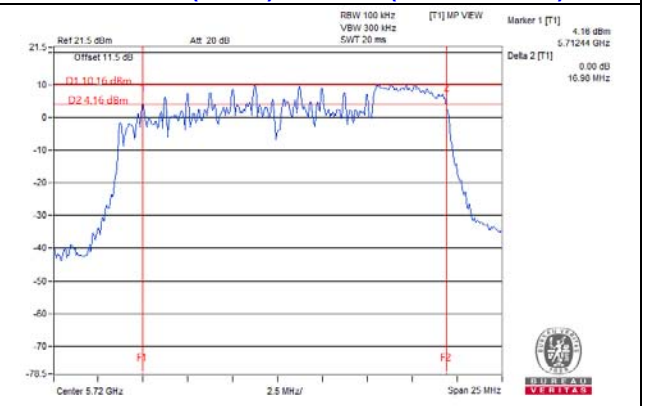
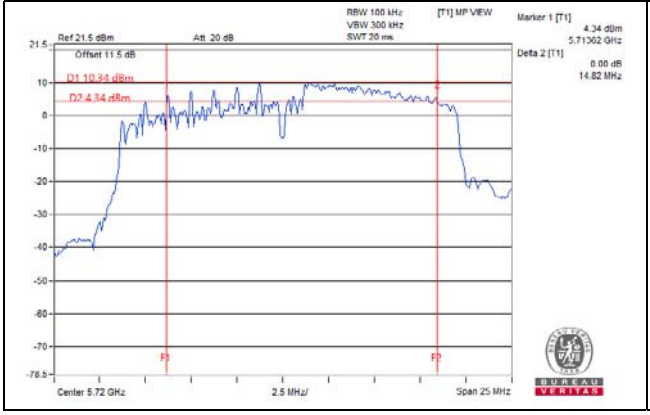
RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Pass / Fail
26/8	144 (U-NII-3 Band)	5720	4.45	Pass
26/0	149	5745	14.53	Pass
26/4	157	5785	2.67	Pass
26/8	165	5825	15.81	Pass

802.11ax (RU52)

RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Pass / Fail
52/40	144 (U-NII-3 Band)	5720	4.42	Pass
52/37	149	5745	17.01	Pass
52/39	157	5785	10.42	Pass
52/40	165	5825	15.78	Pass

802.11ax (RU106)

RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Pass / Fail
106/54	144 (U-NII-3 Band)	5720	3.44	Pass
106/53	149	5745	16.91	Pass
106/54	157	5785	16.06	Pass
106/54	165	5825	16.06	Pass

Spectrum Plot of Worst Value	
802.11a / CH144 (U-NII-3 Band)	**802.11ax (HE20) / CH144 (U-NII-3 Band)**
	
802.11ax (HE40) / CH142 (U-NII-3 Band)	**802.11ax (HE80) / CH138 (U-NII-3 Band)**
	
802.11ax (RU26) / CH144 (U-NII-3 Band)	**802.11ax (RU52) / CH144 (U-NII-3 Band)**
	
802.11ax (RU106) / CH144 (U-NII-3 Band)	
	

Note: The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

5 Pictures of Test Arrangements

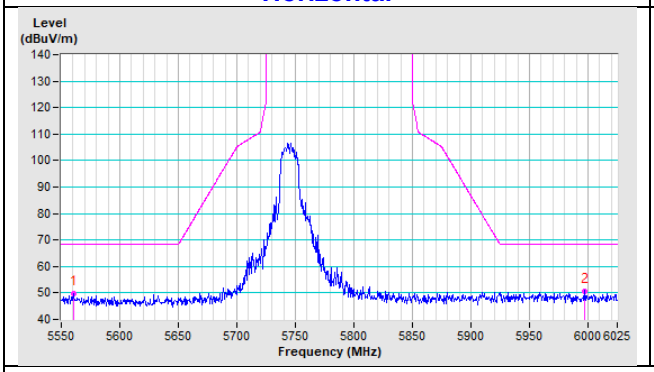
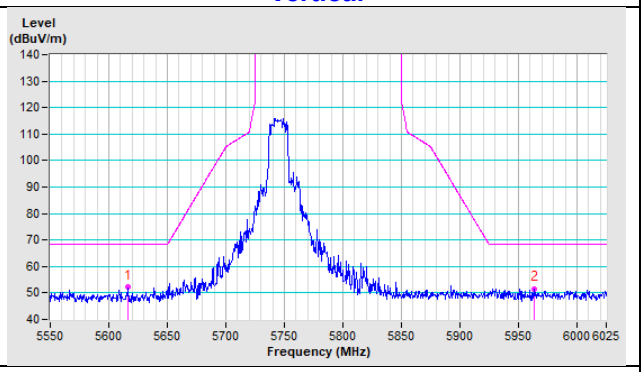
Please refer to the attached file (Test Setup Photo).

Annex A - Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band)

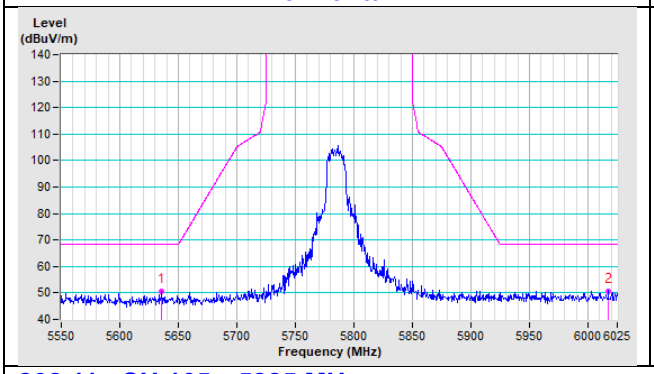
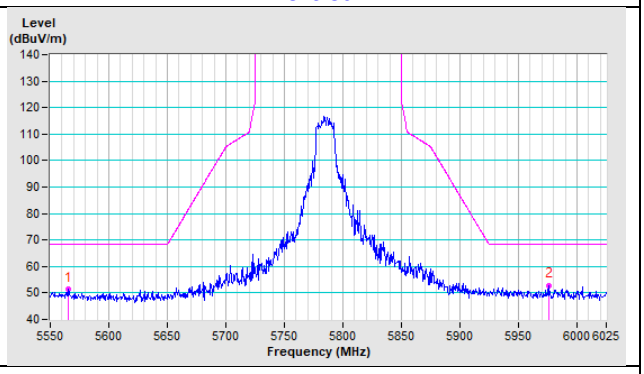
Annex A.1 - Test Results (Mode 1)

Dipole Antenna

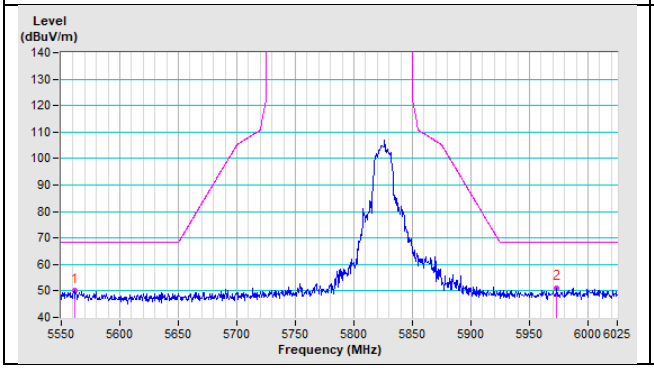
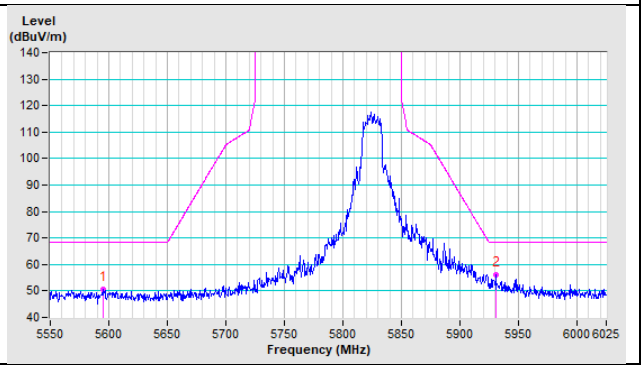
802.11a CH 149：5745 MHz

Horizontal	Vertical
	

802.11a CH 157：5785 MHz

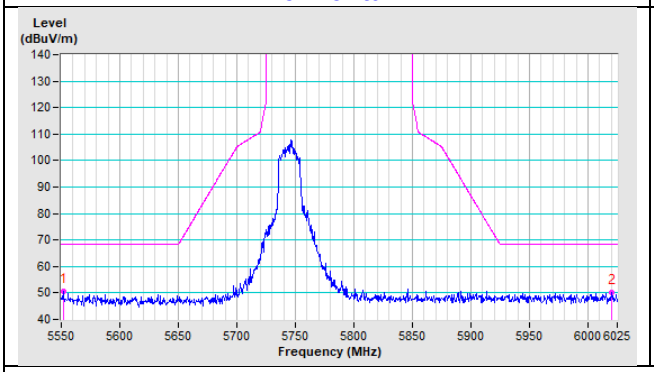
Horizontal	Vertical
	

802.11a CH 165：5825 MHz

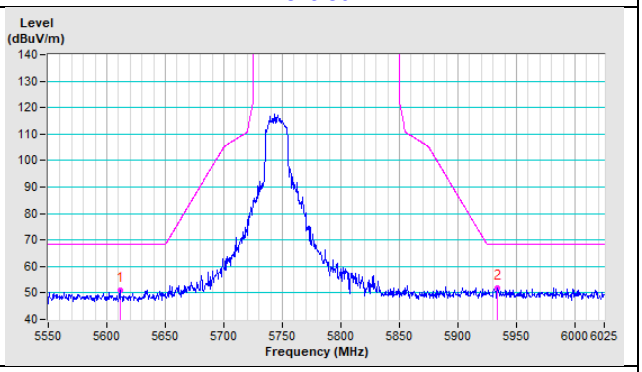
Horizontal	Vertical
	

802.11ax (HE20) CH 149：5745 MHz

Horizontal

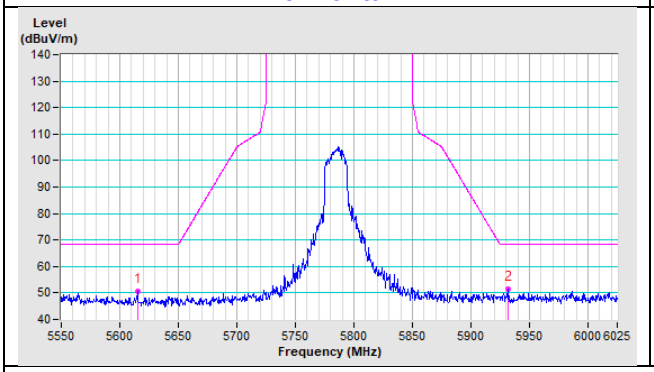


Vertical

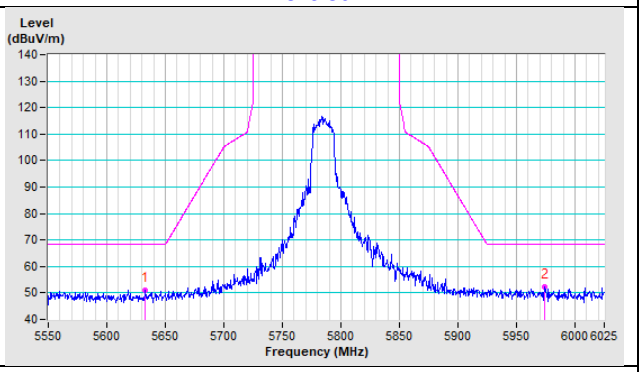


802.11ax (HE20) CH 157：5785 MHz

Horizontal

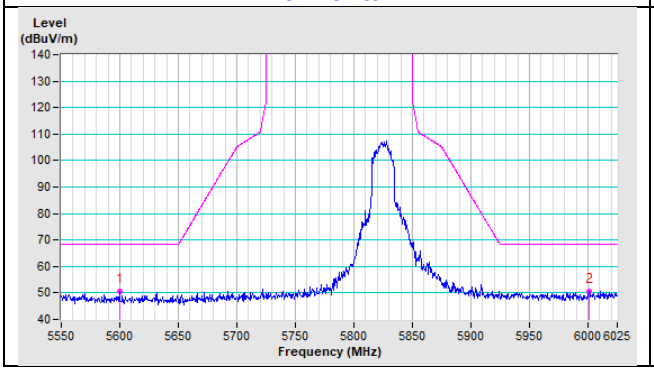


Vertical

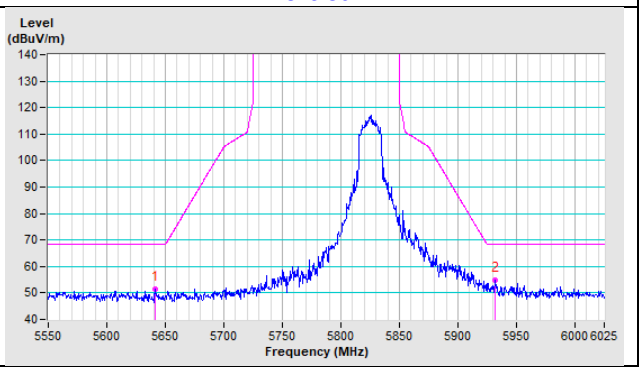


802.11ax (HE20) CH 165：5825 MHz

Horizontal

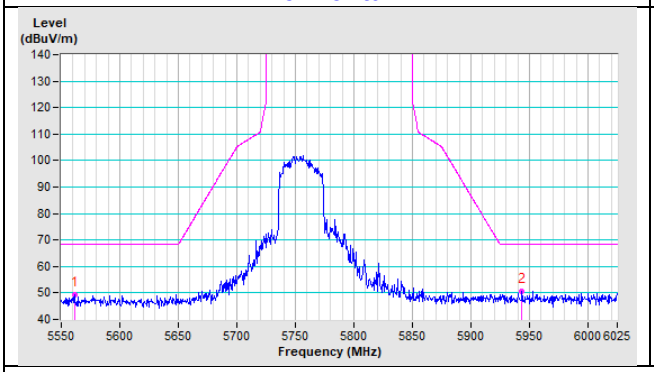


Vertical

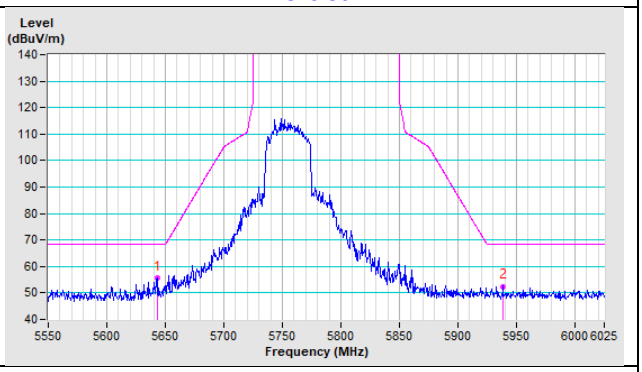


802.11ax (HE40) CH 151：5755 MHz

Horizontal

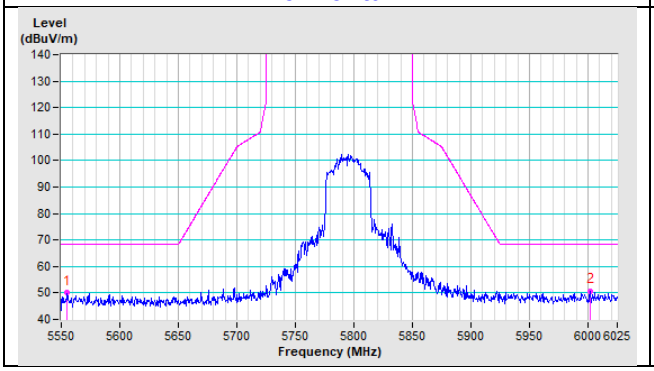


Vertical

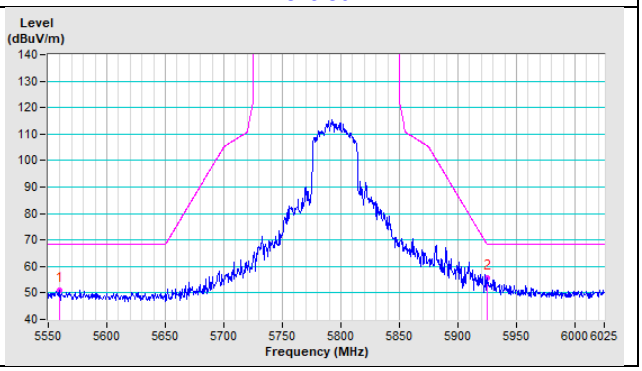


802.11ax (HE40) CH 159：5795 MHz

Horizontal

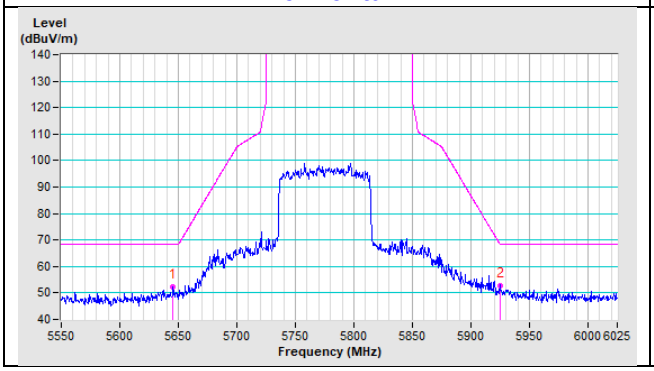


Vertical

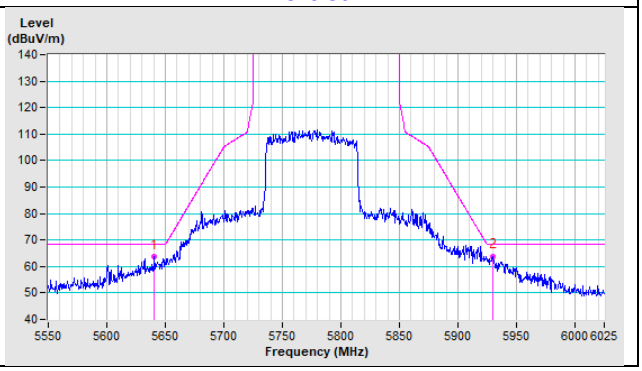


802.11ax (HE80) CH 155：5775 MHz

Horizontal

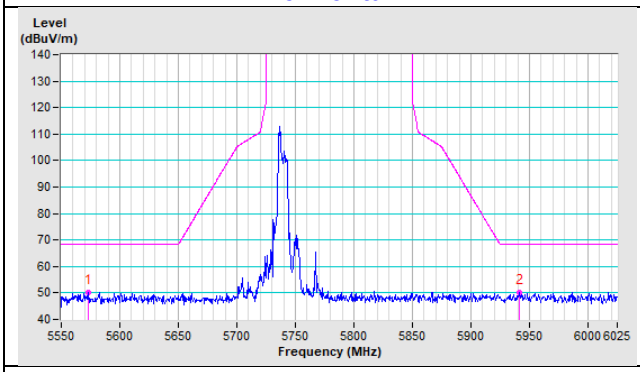


Vertical

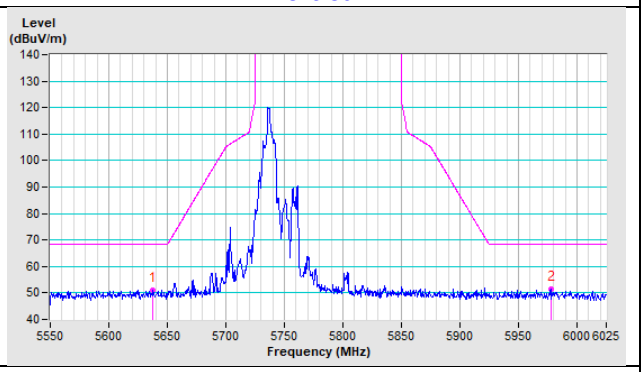


20MHz Preamble 802.11ax (RU26) CH 149：5745 MHz

Horizontal

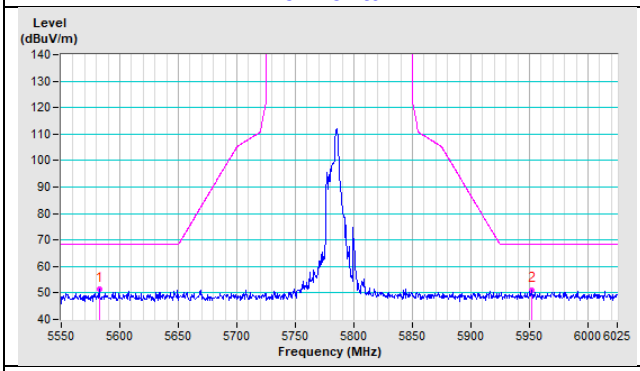


Vertical

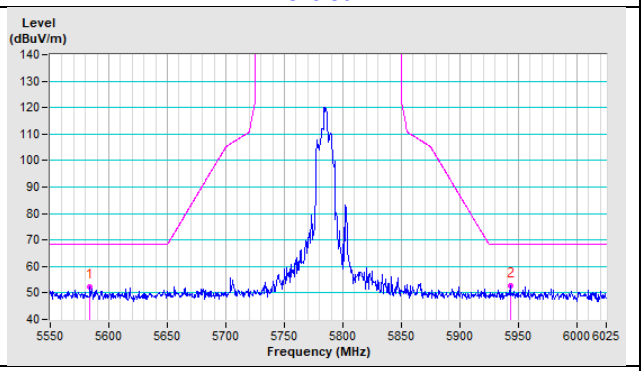


20MHz Preamble 802.11ax (RU26) CH 157：5785 MHz

Horizontal

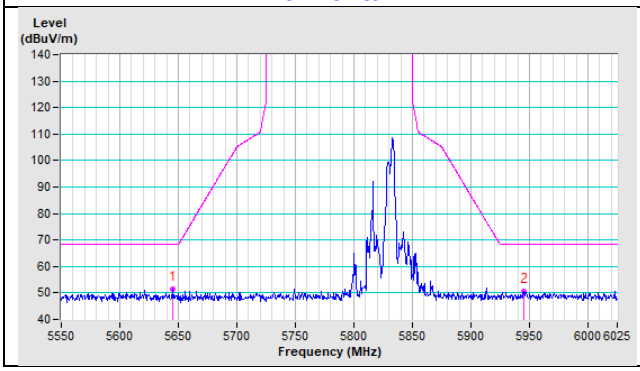


Vertical

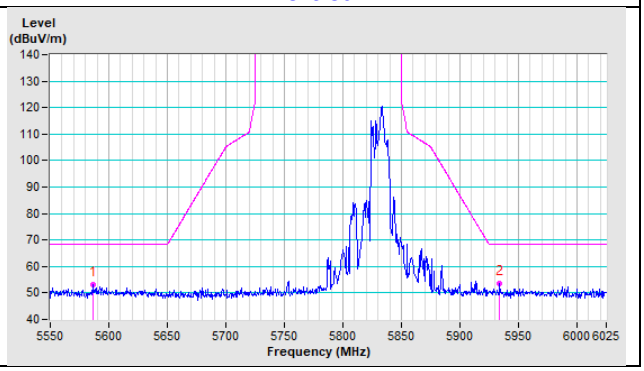


20MHz Preamble 802.11ax (RU26) CH 165：5825 MHz

Horizontal

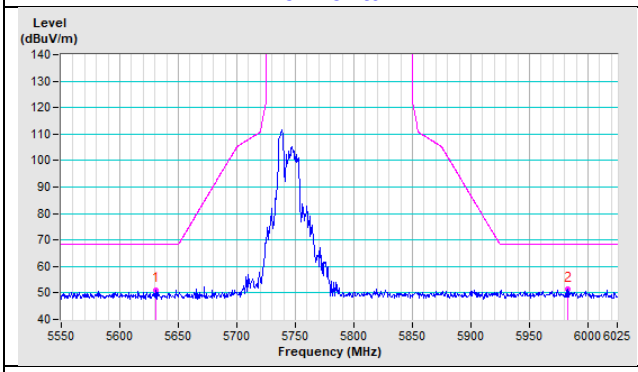


Vertical

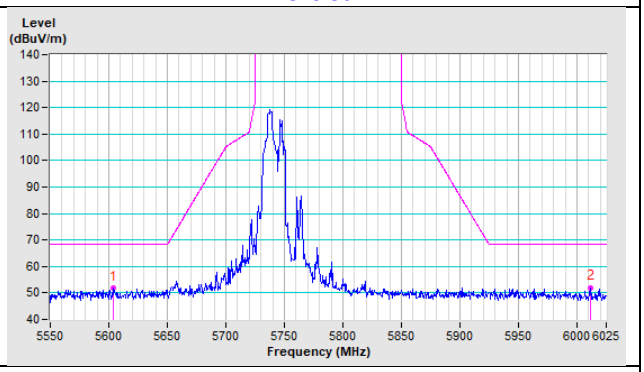


20MHz Preamble 802.11ax (RU52) CH 149：5745 MHz

Horizontal

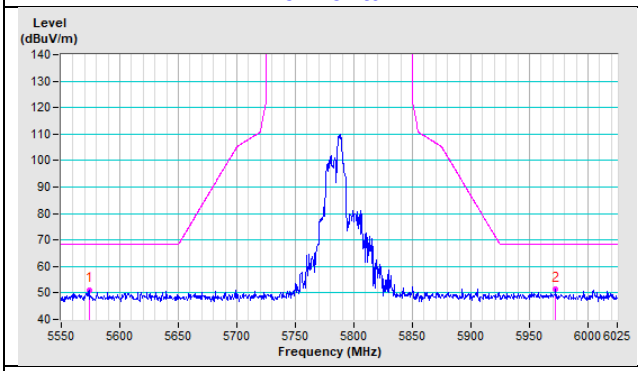


Vertical

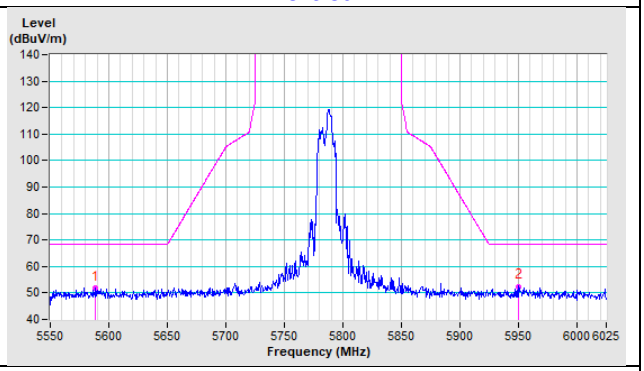


20MHz Preamble 802.11ax (RU52) CH 157：5785 MHz

Horizontal

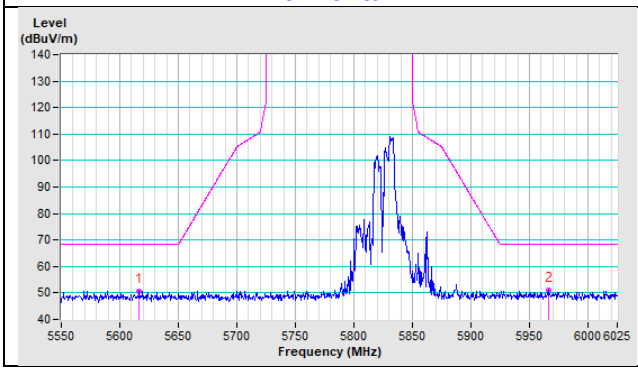


Vertical

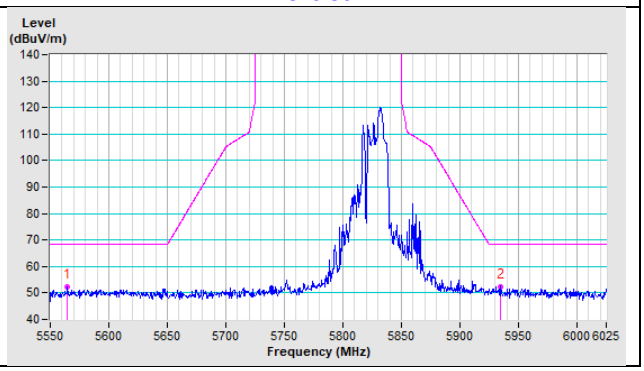


20MHz Preamble 802.11ax (RU52) CH 165：5825 MHz

Horizontal

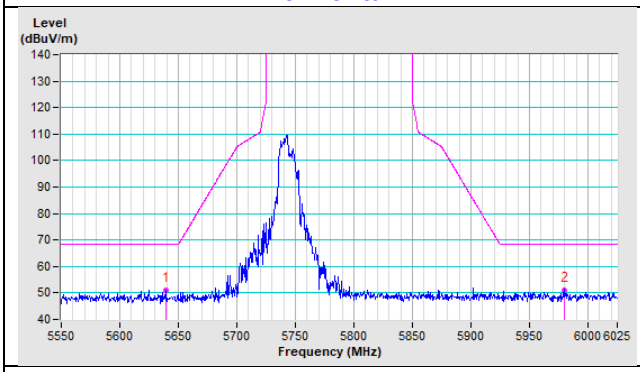


Vertical

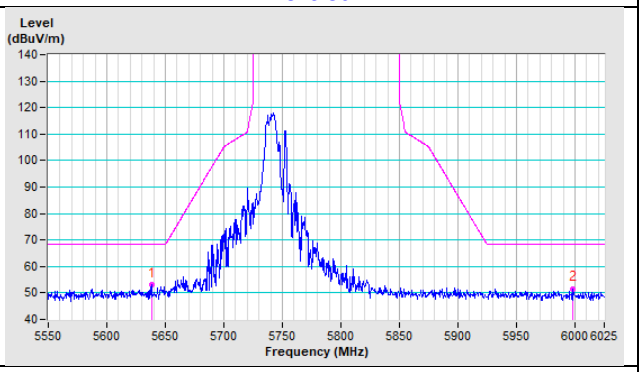


20MHz Preamble 802.11ax (RU106) CH 149：5745 MHz

Horizontal

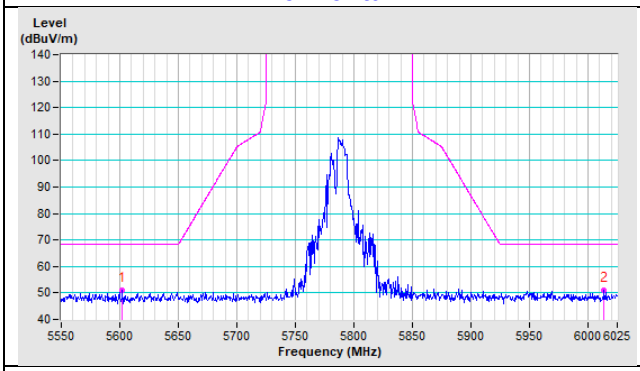


Vertical

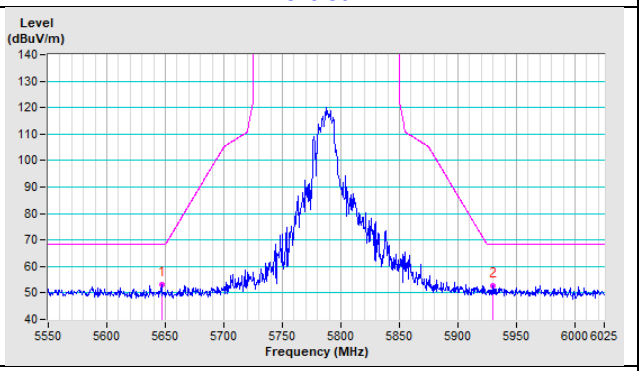


20MHz Preamble 802.11ax (RU106) CH 157：5785 MHz

Horizontal

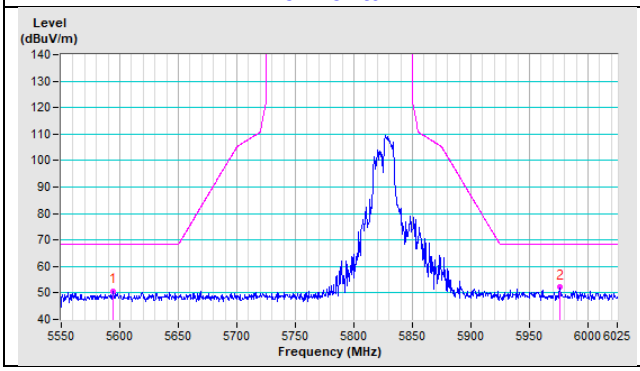


Vertical

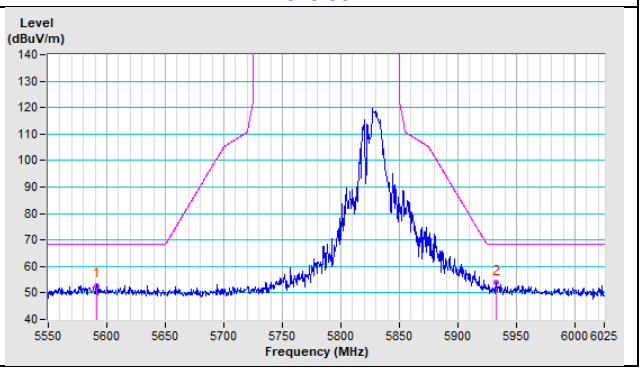


20MHz Preamble 802.11ax (RU106) CH 165：5825 MHz

Horizontal



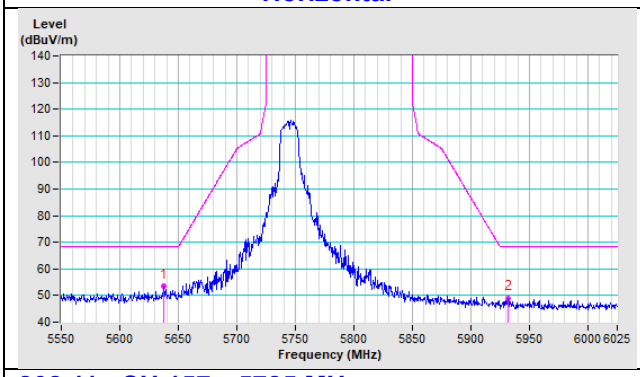
Vertical



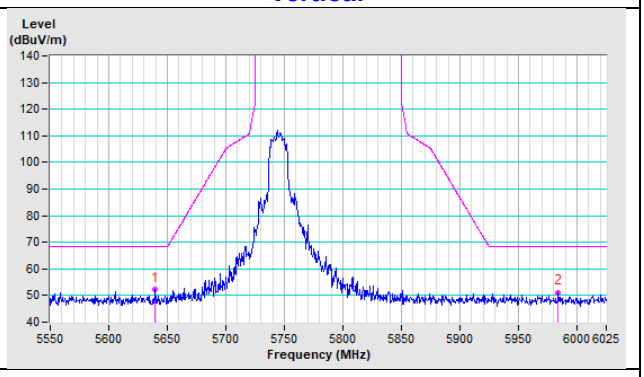
PIFA Antenna

802.11a CH 149：5745 MHz

Horizontal

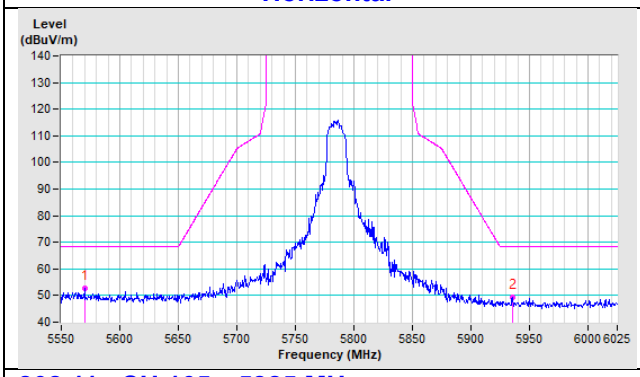


Vertical

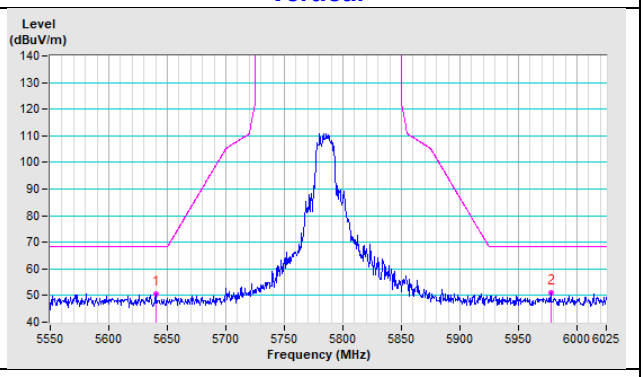


802.11a CH 157：5785 MHz

Horizontal

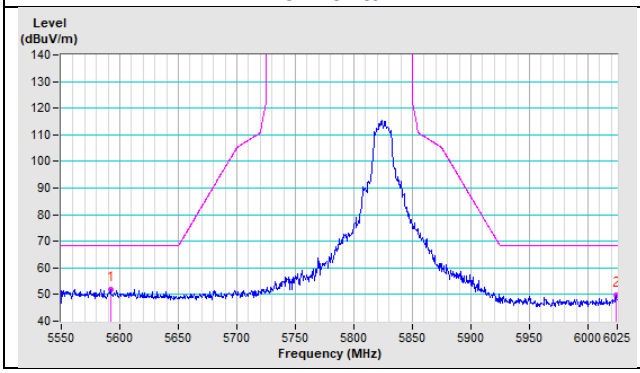


Vertical

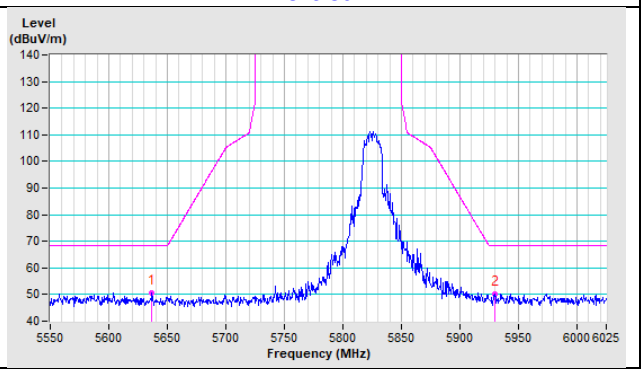


802.11a CH 165：5825 MHz

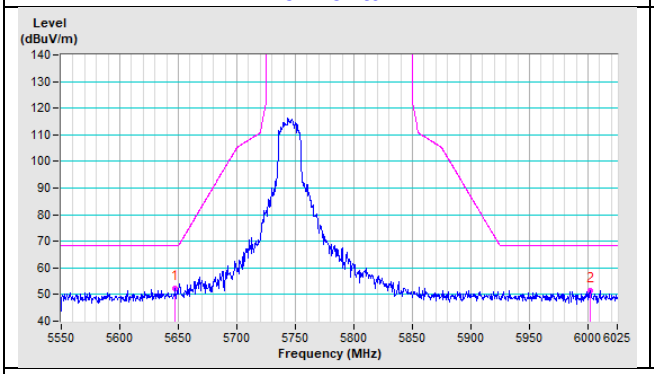
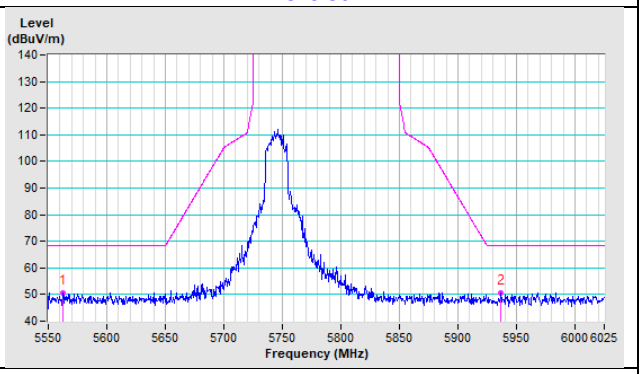
Horizontal



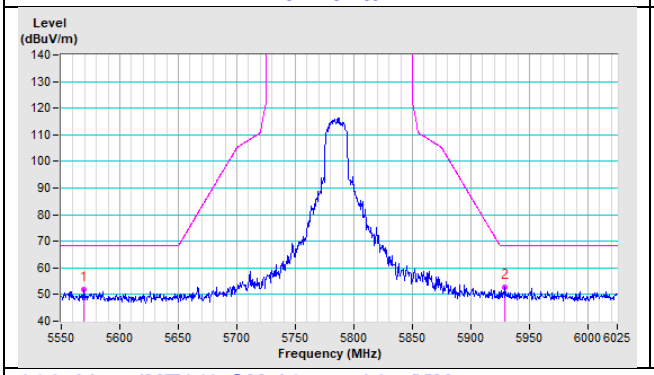
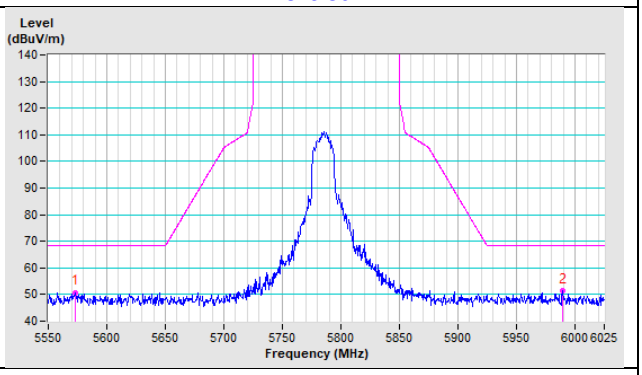
Vertical



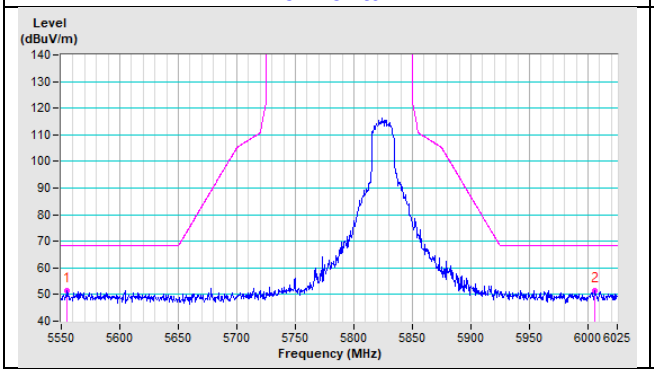
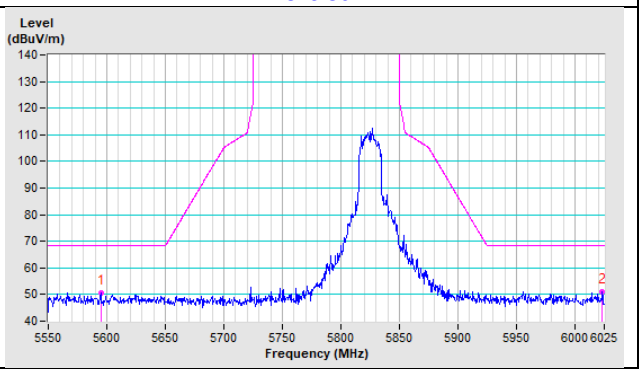
802.11ax (HE20) CH 149：5745 MHz

Horizontal	Vertical
	

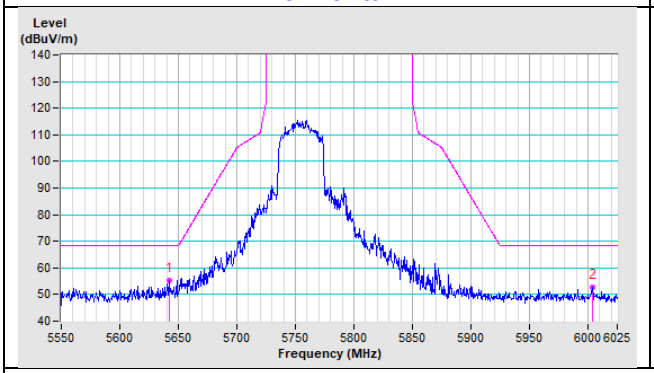
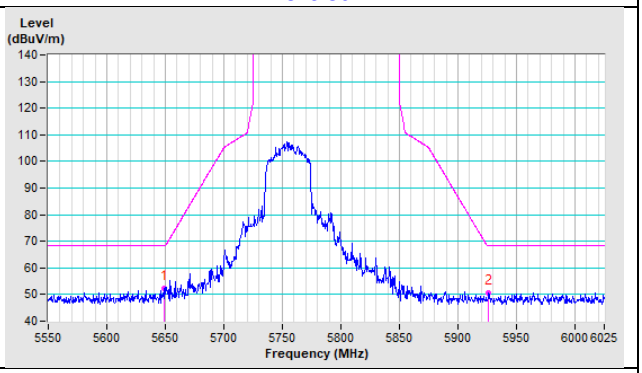
802.11ax (HE20) CH 157：5785 MHz

Horizontal	Vertical
	

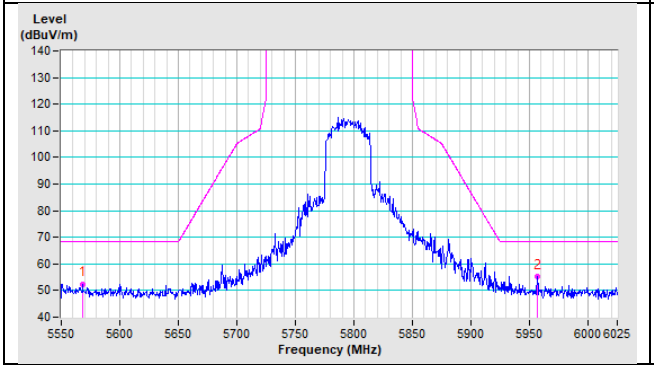
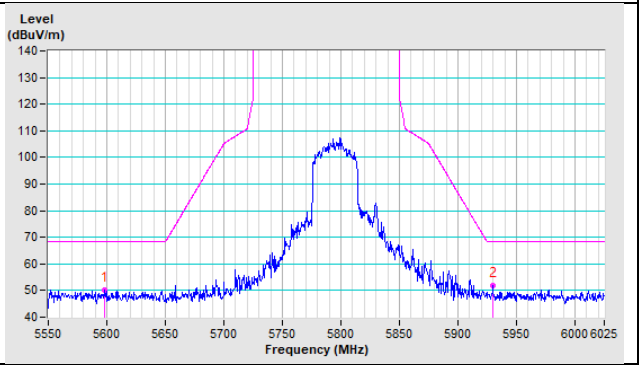
802.11ax (HE20) CH 165：5825 MHz

Horizontal	Vertical
	

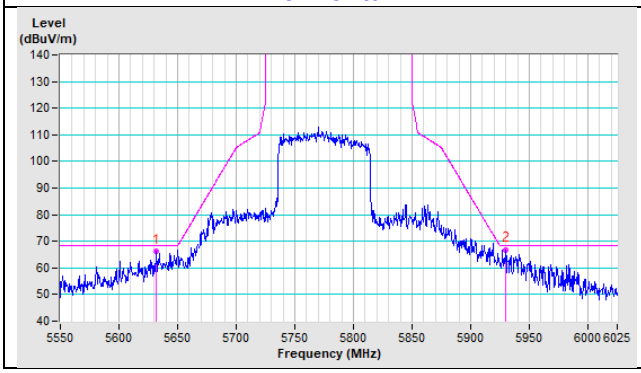
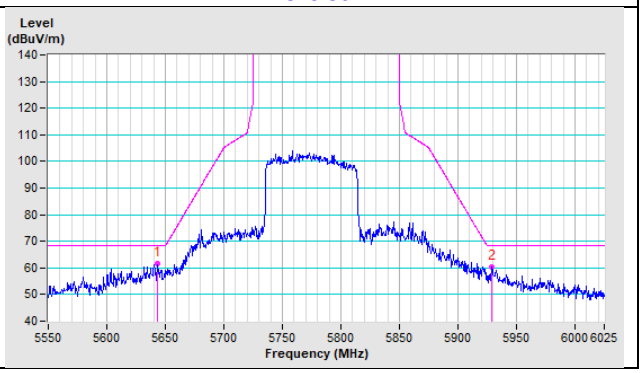
802.11ax (HE40) CH 151：5755 MHz

Horizontal	Vertical
	

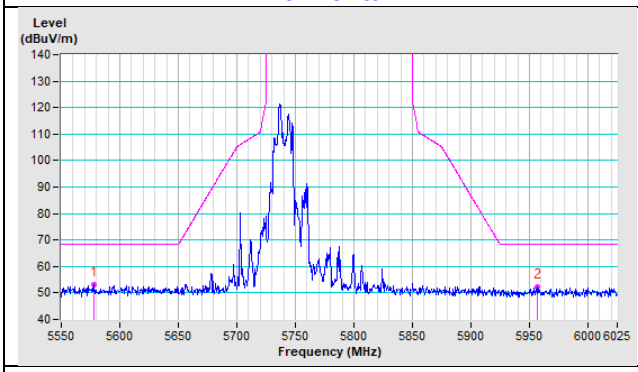
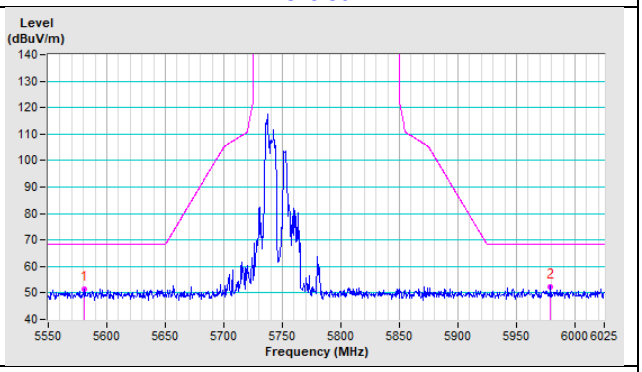
802.11ax (HE40) CH 159：5795 MHz

Horizontal	Vertical
	

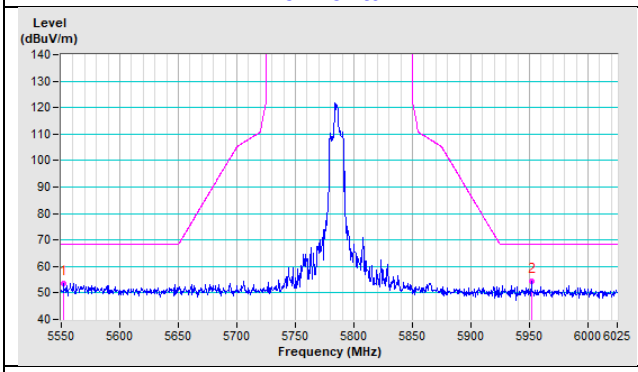
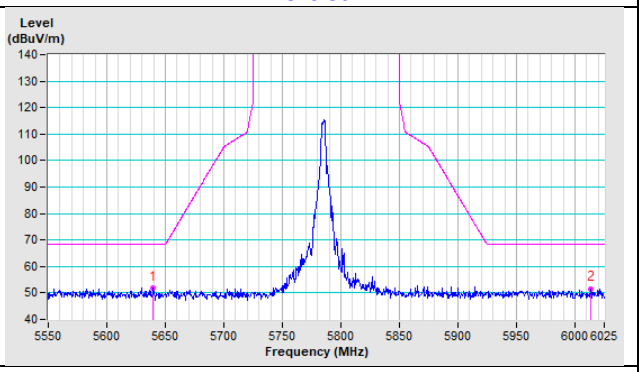
802.11ax (HE80) CH 155：5775 MHz

Horizontal	Vertical
	

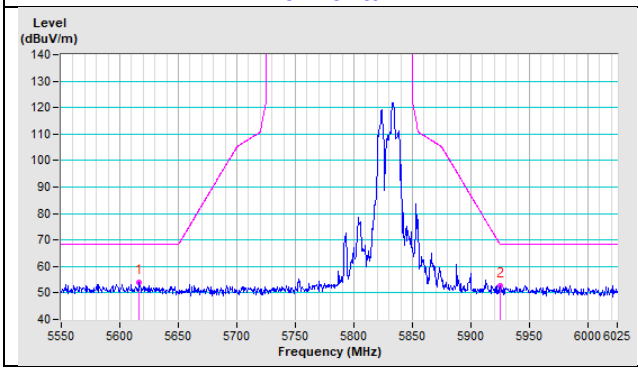
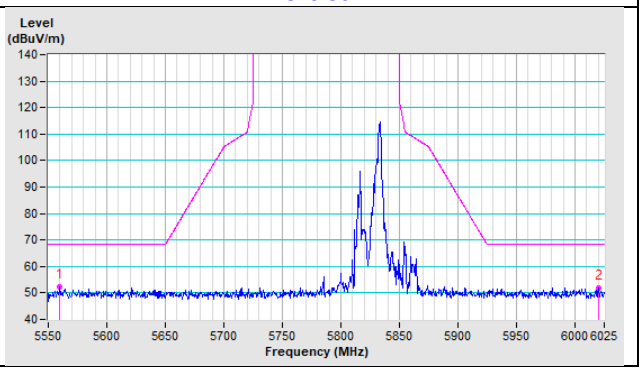
20MHz Preamble 802.11ax (RU26) CH 149：5745 MHz

Horizontal	Vertical
	

20MHz Preamble 802.11ax (RU26) CH 157：5785 MHz

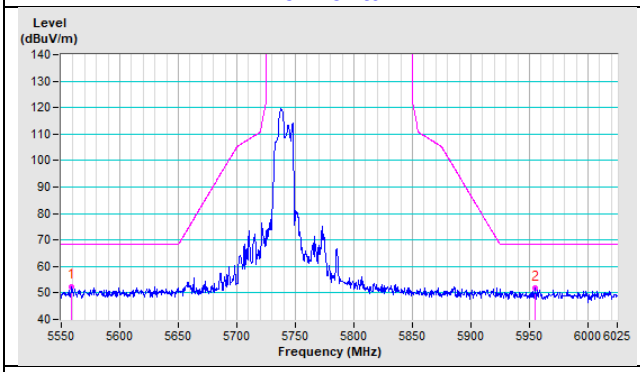
Horizontal	Vertical
	

20MHz Preamble 802.11ax (RU26) CH 165：5825 MHz

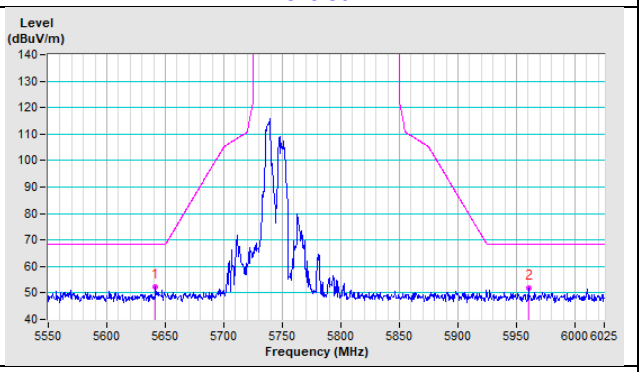
Horizontal	Vertical
	

20MHz Preamble 802.11ax (RU52) CH 149：5745 MHz

Horizontal

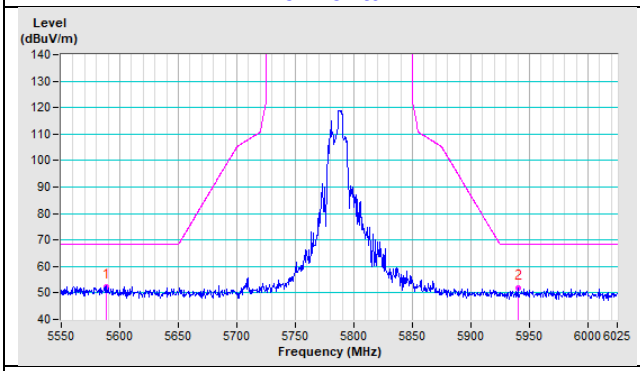


Vertical

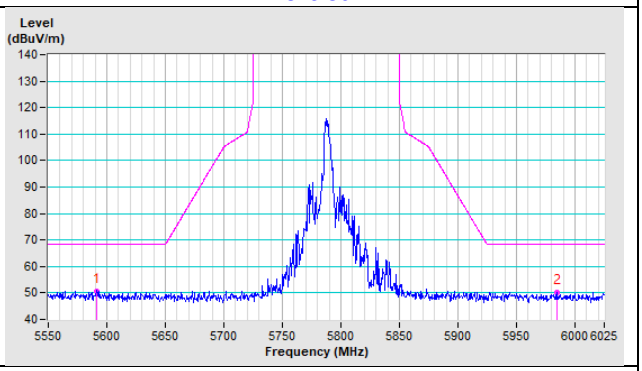


20MHz Preamble 802.11ax (RU52) CH 157：5785 MHz

Horizontal

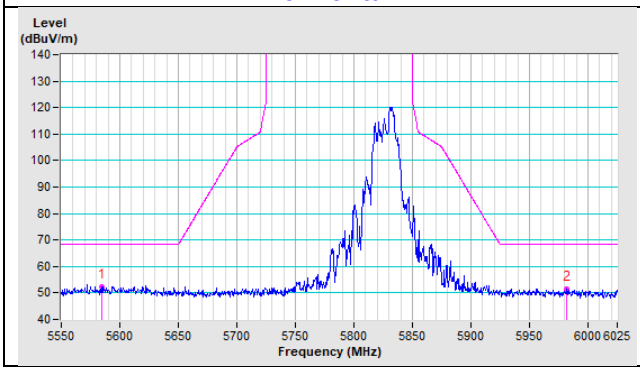


Vertical

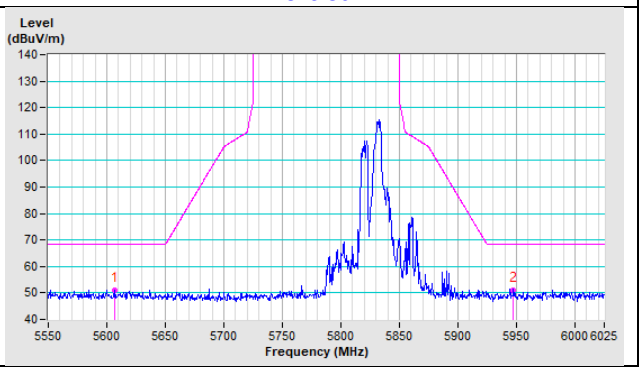


20MHz Preamble 802.11ax (RU52) CH 165：5825 MHz

Horizontal

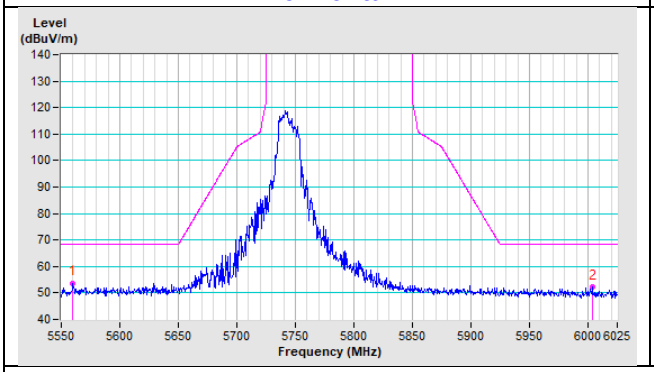


Vertical

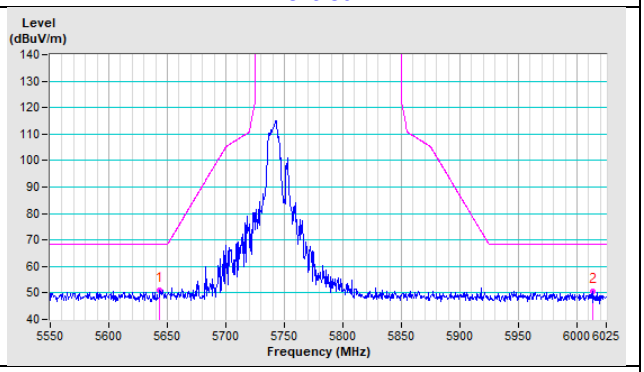


20MHz Preamble 802.11ax (RU106) CH 149：5745 MHz

Horizontal

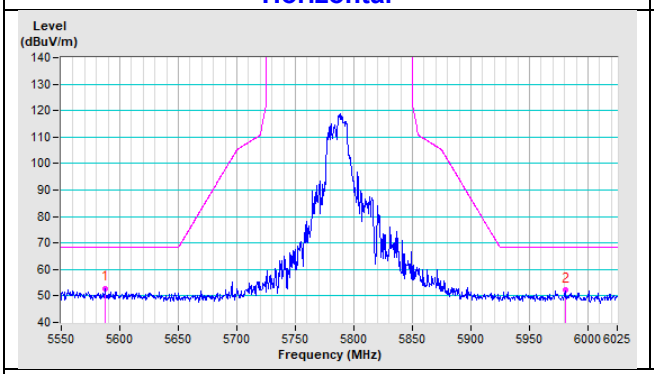


Vertical

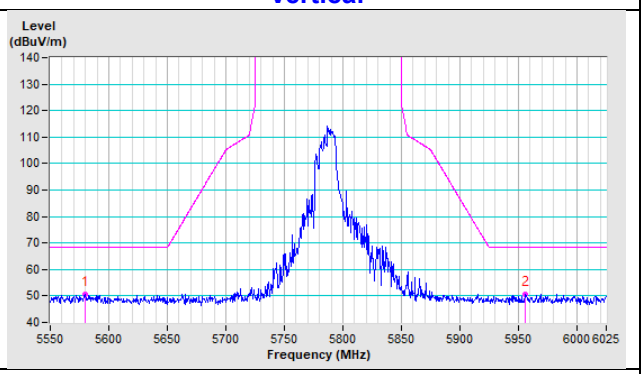


20MHz Preamble 802.11ax (RU106) CH 157：5785 MHz

Horizontal

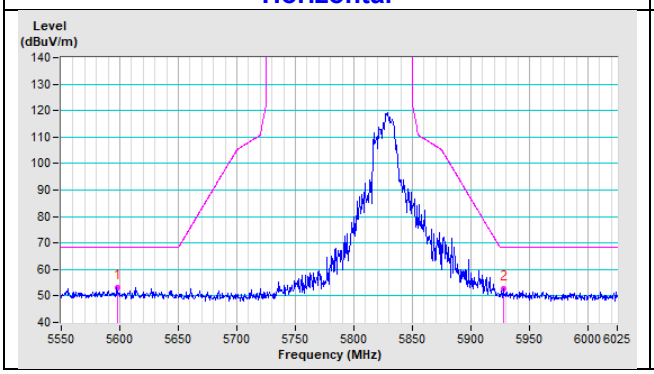


Vertical

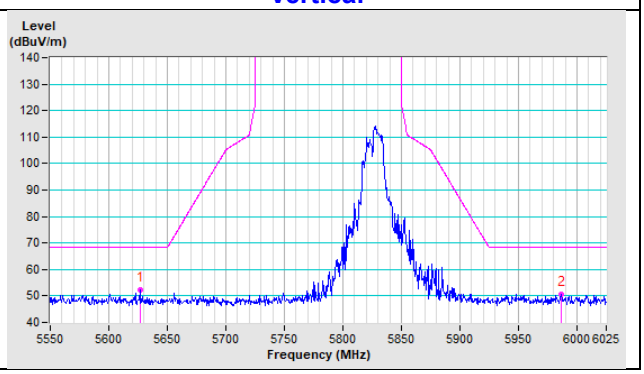


20MHz Preamble 802.11ax (RU106) CH 165：5825 MHz

Horizontal



Vertical

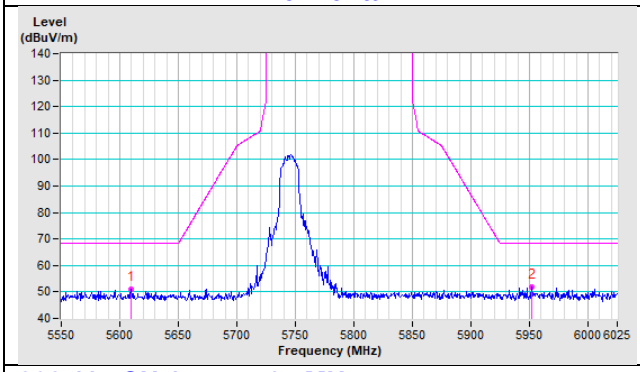


Annex A.2 - Test Results (Mode 2)

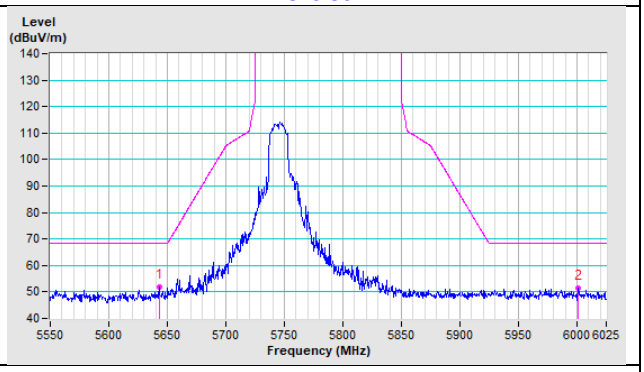
Dipole Antenna

802.11a CH 149：5745 MHz

Horizontal

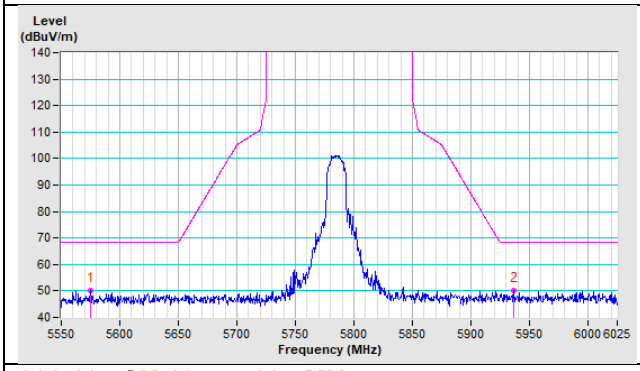


Vertical

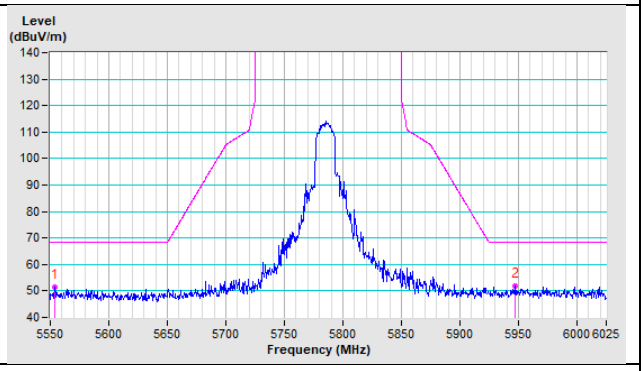


802.11a CH 157：5785 MHz

Horizontal

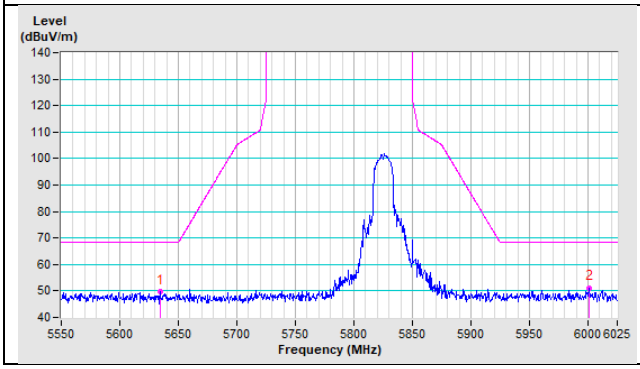


Vertical

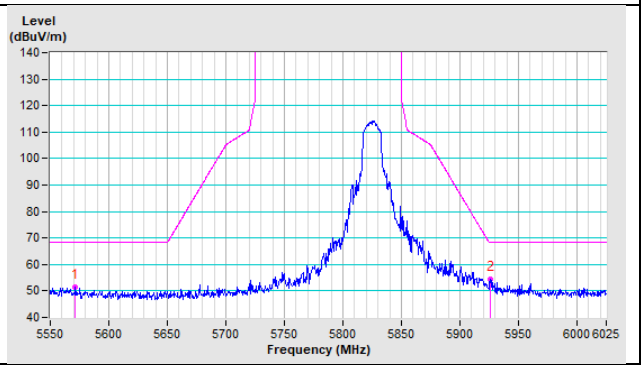


802.11a CH 165：5825 MHz

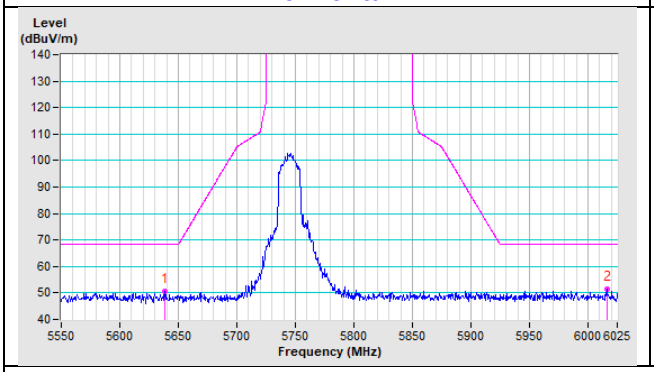
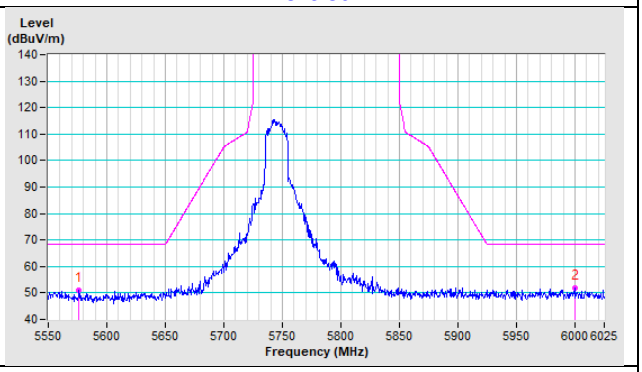
Horizontal



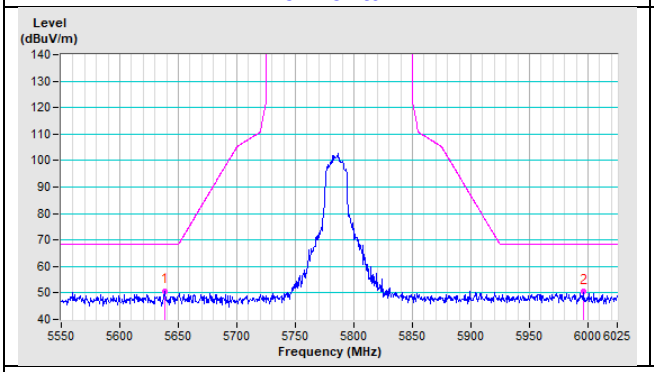
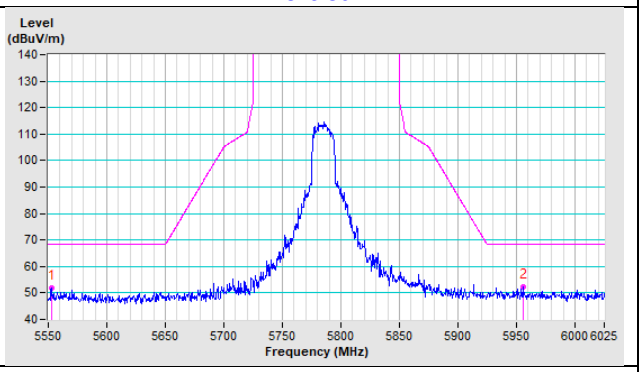
Vertical



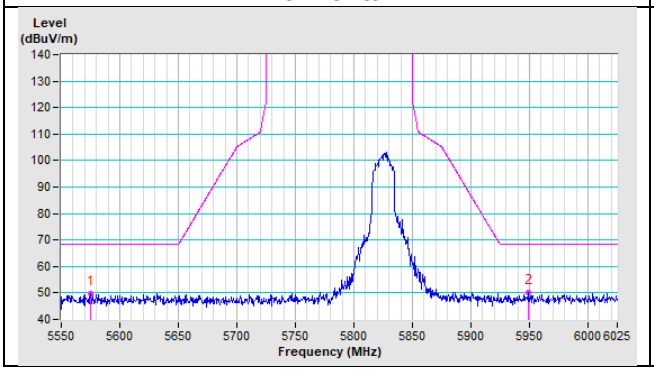
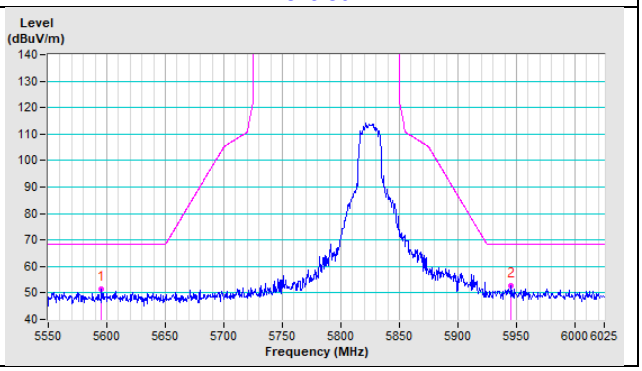
802.11ax (HE20) CH 149：5745 MHz

Horizontal	Vertical
	

802.11ax (HE20) CH 157：5785 MHz

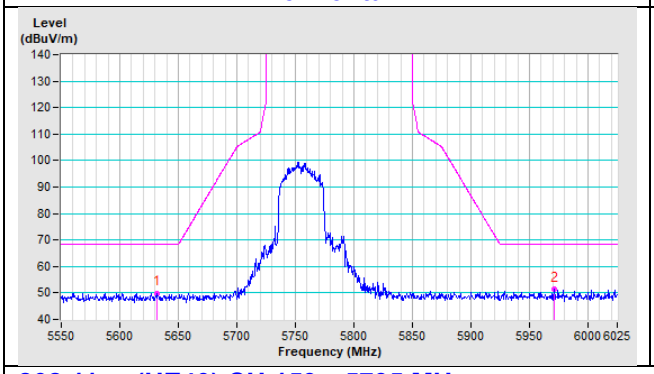
Horizontal	Vertical
	

802.11ax (HE20) CH 165：5825 MHz

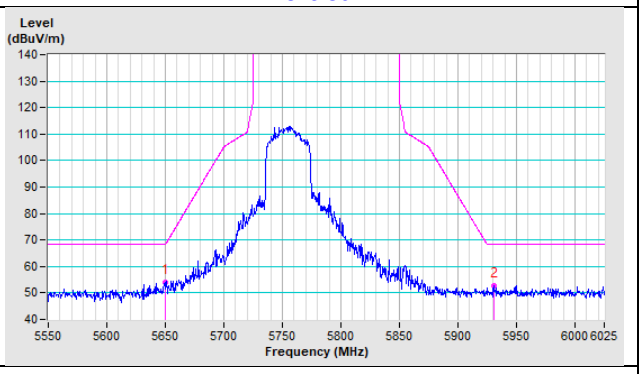
Horizontal	Vertical
	

802.11ax (HE40) CH 151：5755 MHz

Horizontal

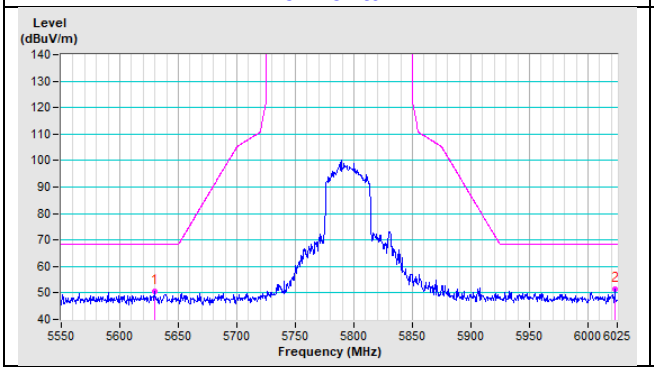


Vertical

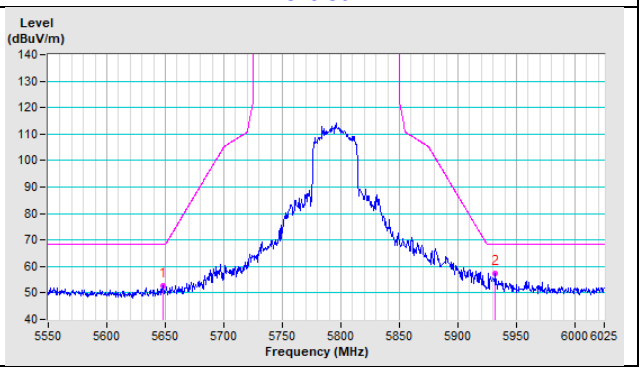


802.11ax (HE40) CH 159：5795 MHz

Horizontal

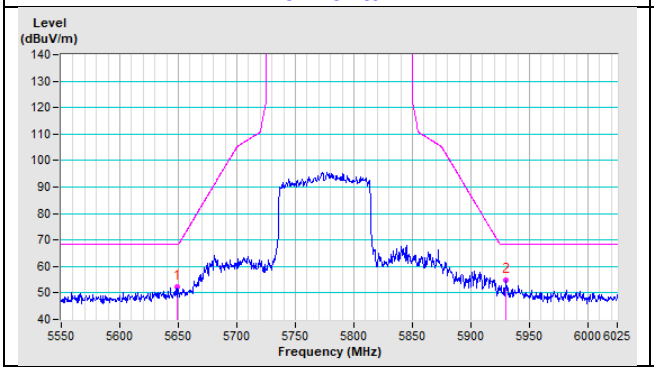


Vertical

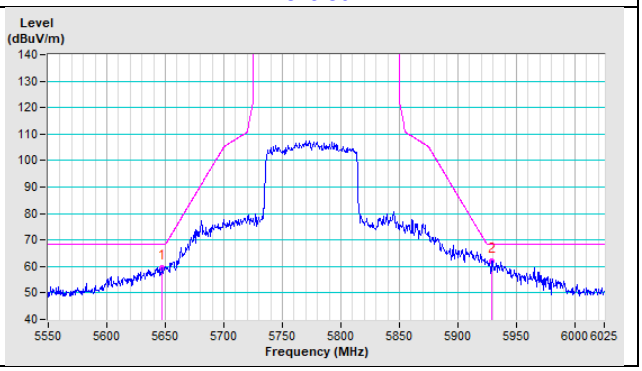


802.11ax (HE80) CH 155：5775 MHz

Horizontal

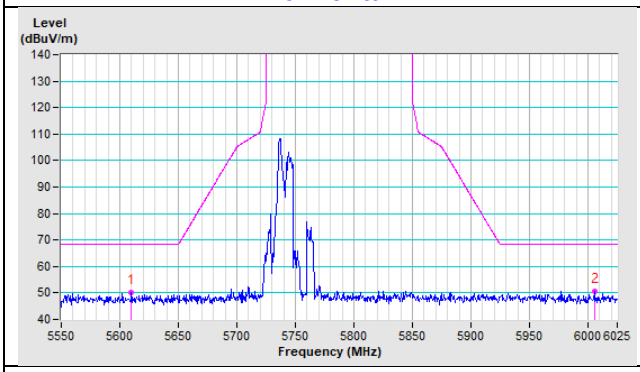


Vertical

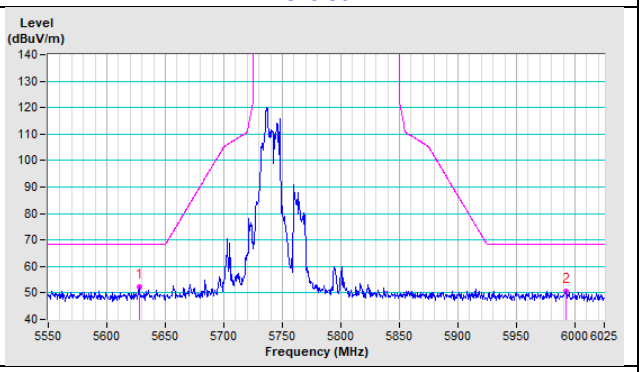


20MHz Preamble 802.11ax (RU26) CH 149：5745 MHz

Horizontal

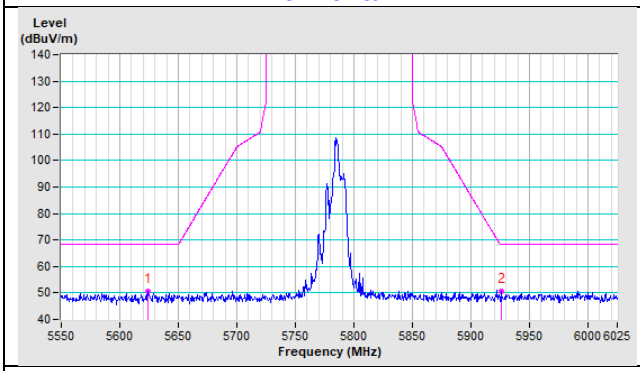


Vertical

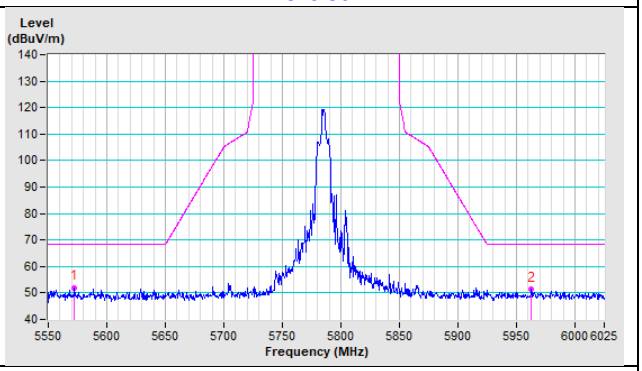


20MHz Preamble 802.11ax (RU26) CH 157：5785 MHz

Horizontal

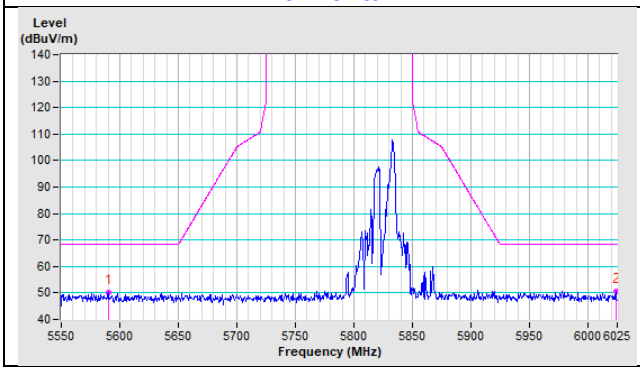


Vertical

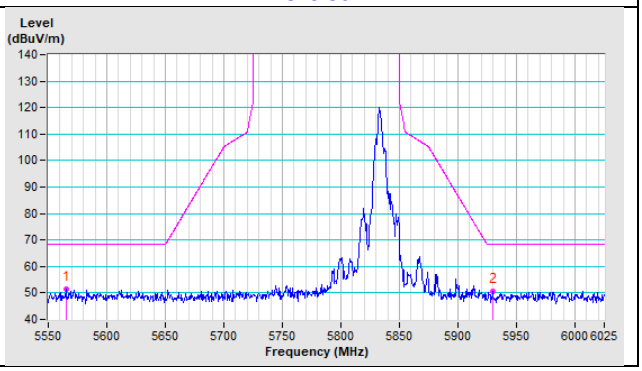


20MHz Preamble 802.11ax (RU26) CH 165：5825 MHz

Horizontal

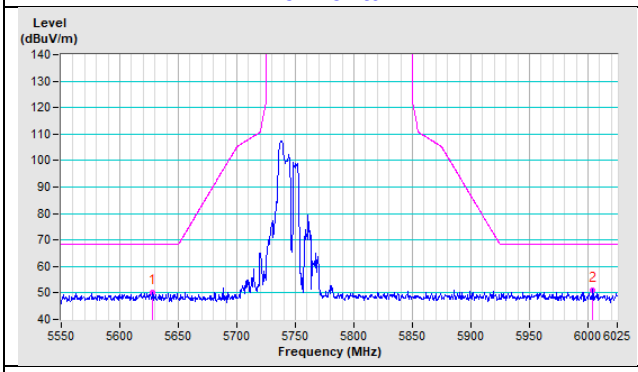


Vertical

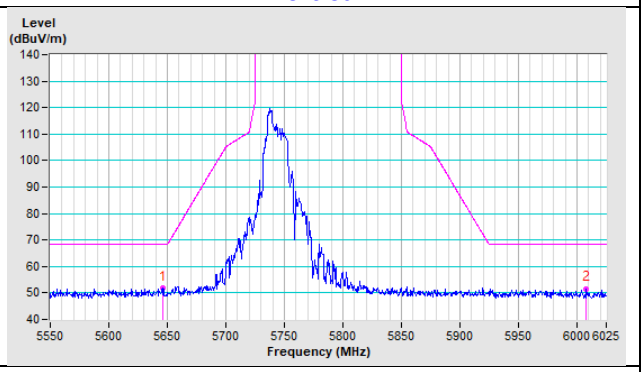


20MHz Preamble 802.11ax (RU52) CH 149：5745 MHz

Horizontal

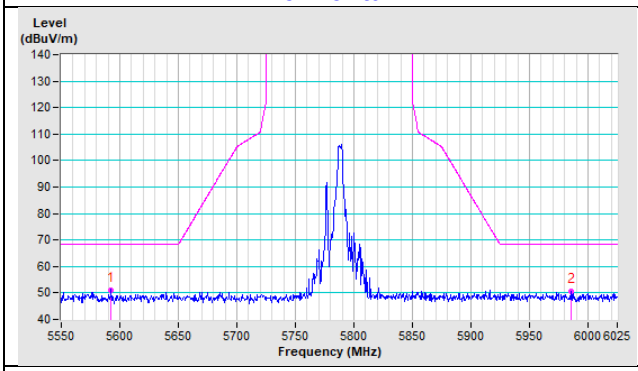


Vertical

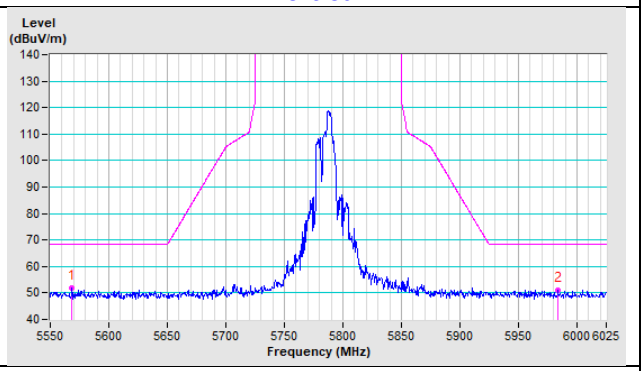


20MHz Preamble 802.11ax (RU52) CH 157：5785 MHz

Horizontal

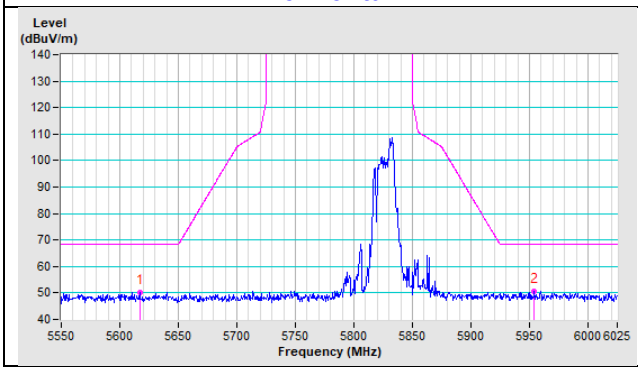


Vertical

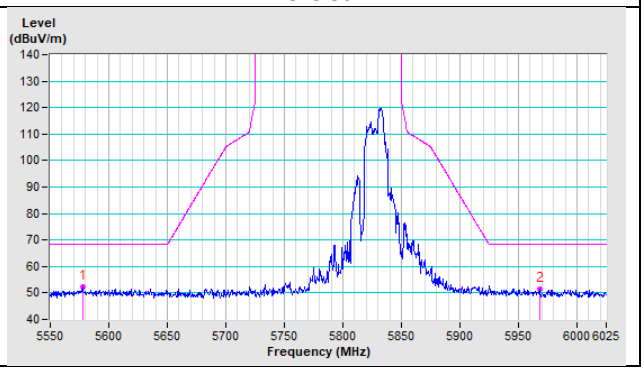


20MHz Preamble 802.11ax (RU52) CH 165：5825 MHz

Horizontal

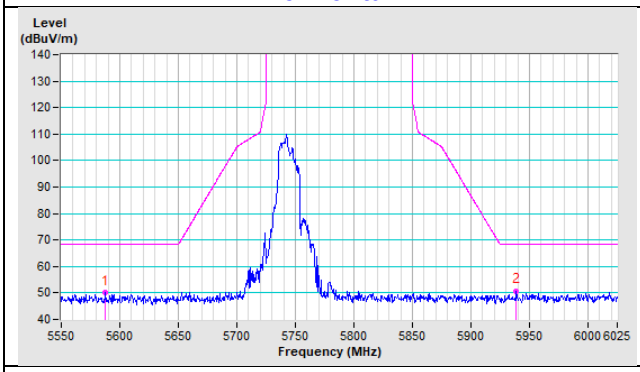


Vertical

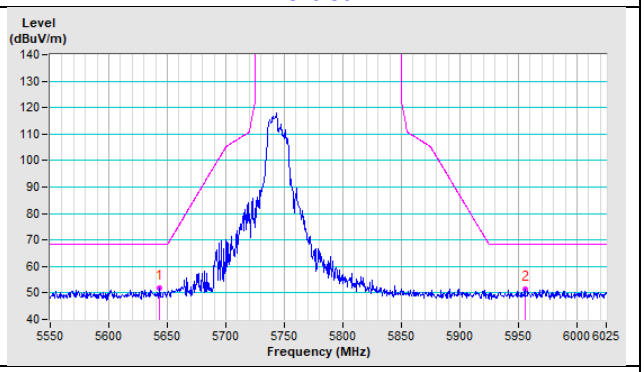


20MHz Preamble 802.11ax (RU106) CH 149：5745 MHz

Horizontal

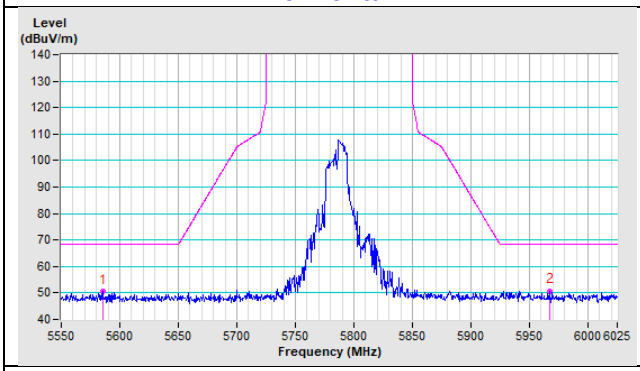


Vertical

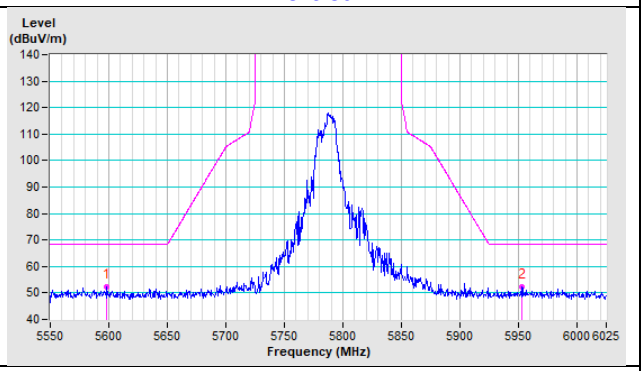


20MHz Preamble 802.11ax (RU106) CH 157：5785 MHz

Horizontal

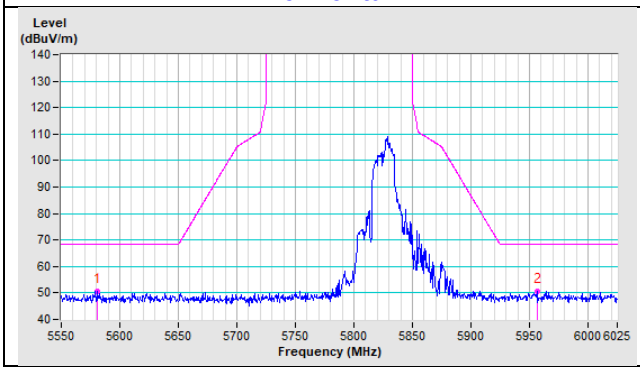


Vertical

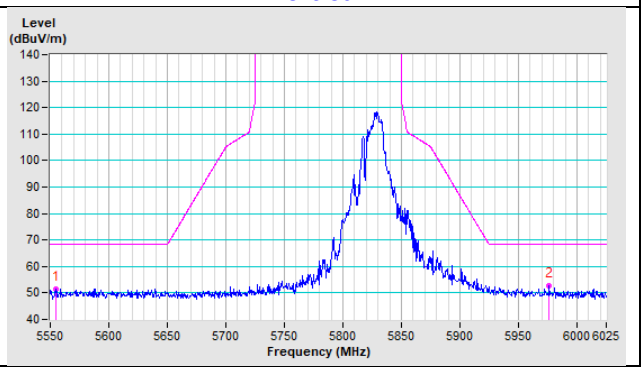


20MHz Preamble 802.11ax (RU106) CH 165：5825 MHz

Horizontal

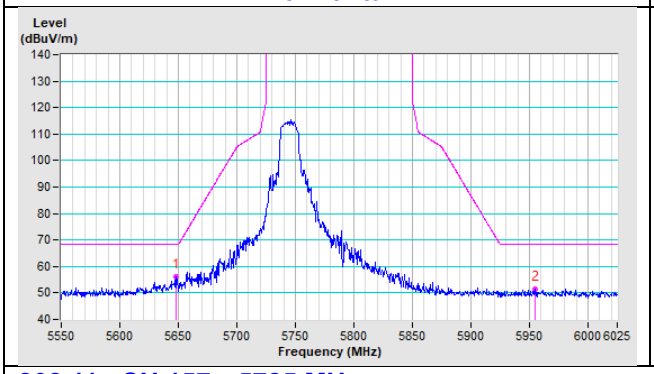
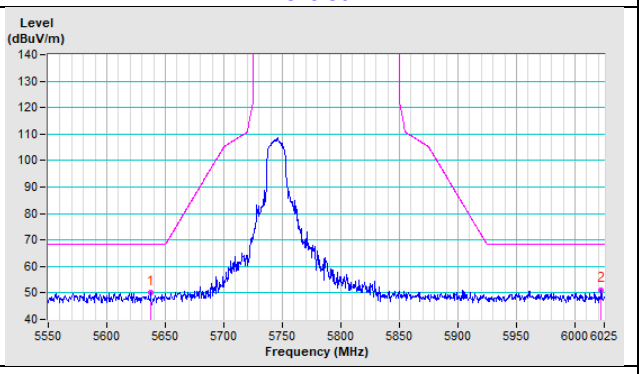


Vertical

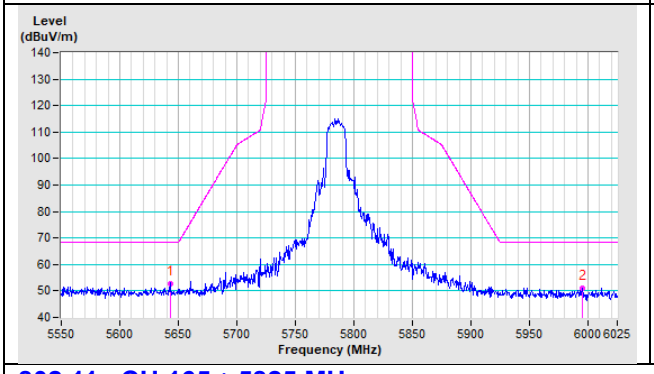
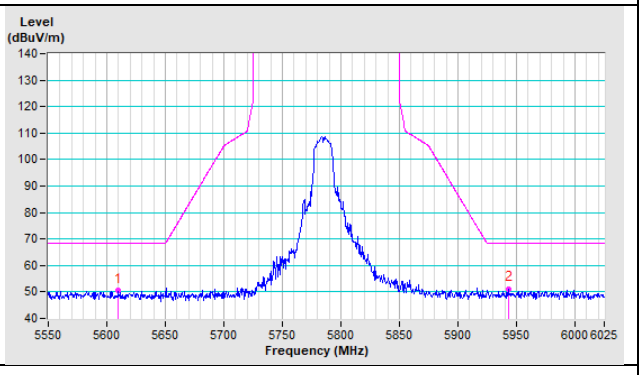


PIFA Antenna

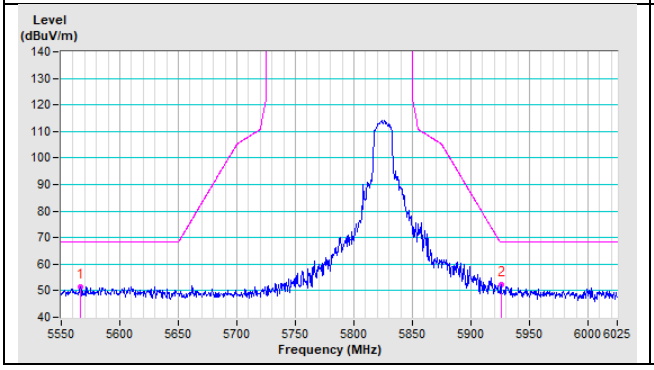
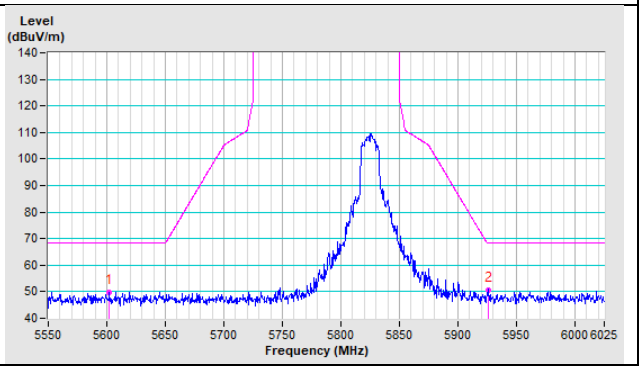
802.11a CH 149：5745 MHz

Horizontal	Vertical
	

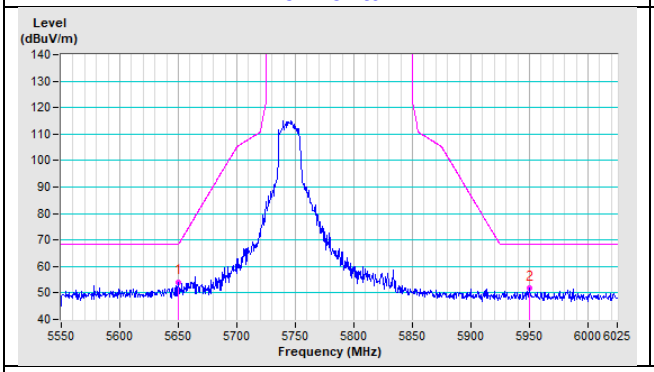
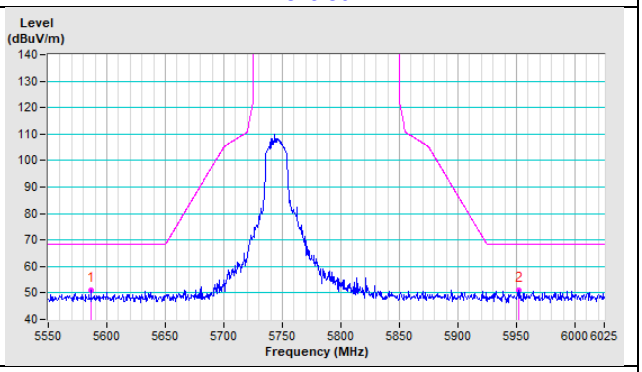
802.11a CH 157：5785 MHz

Horizontal	Vertical
	

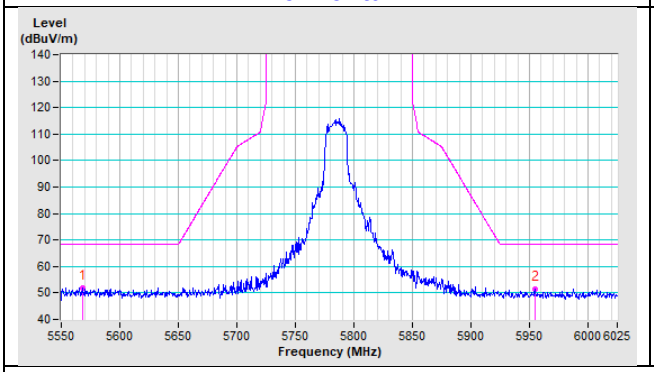
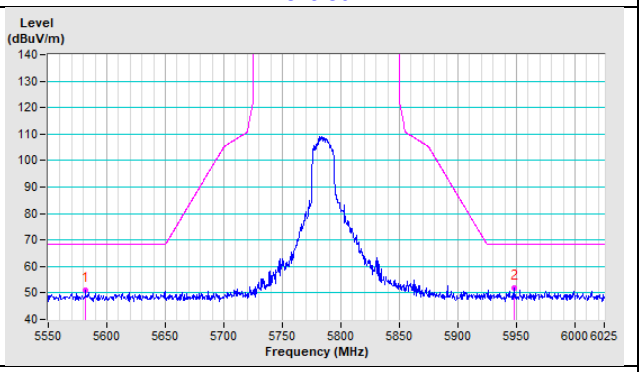
802.11a CH 165：5825 MHz

Horizontal	Vertical
	

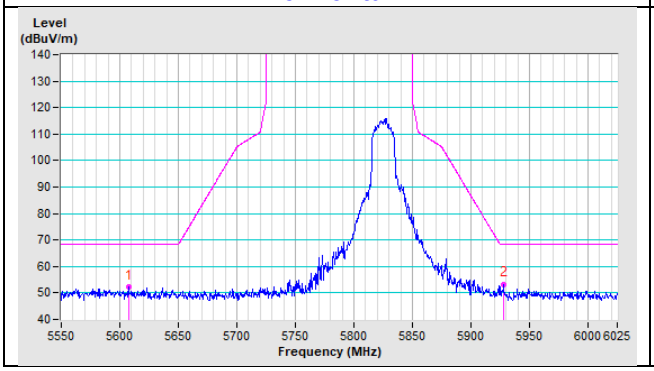
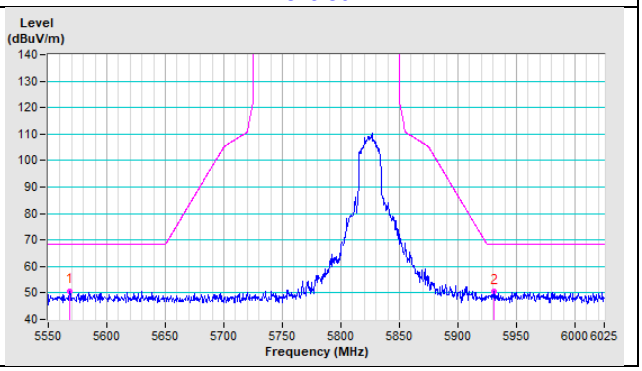
802.11ax (HE20) CH 149：5745 MHz

Horizontal	Vertical
	

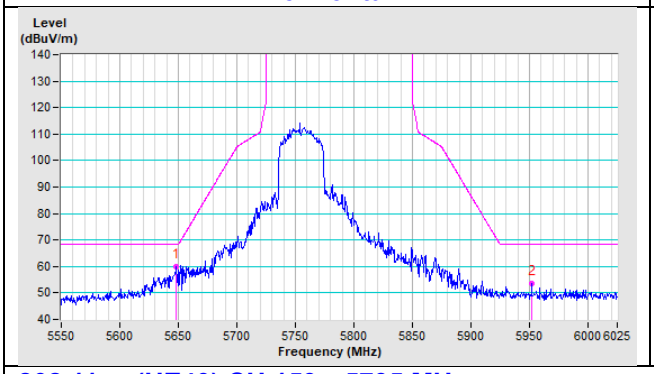
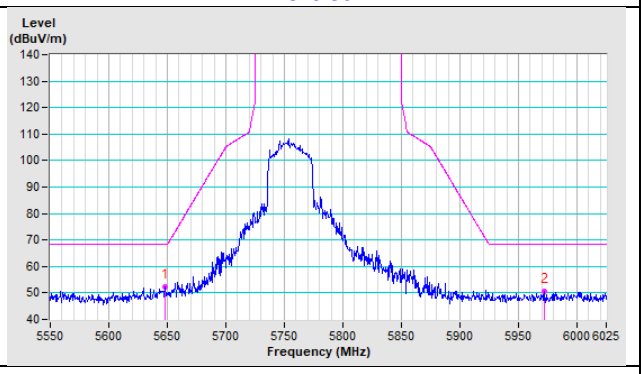
802.11ax (HE20) CH 157：5785 MHz

Horizontal	Vertical
	

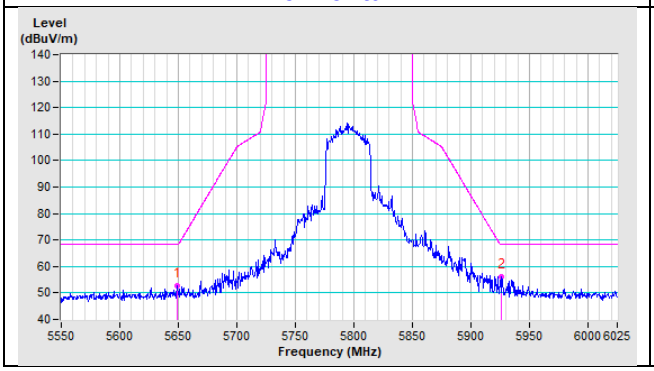
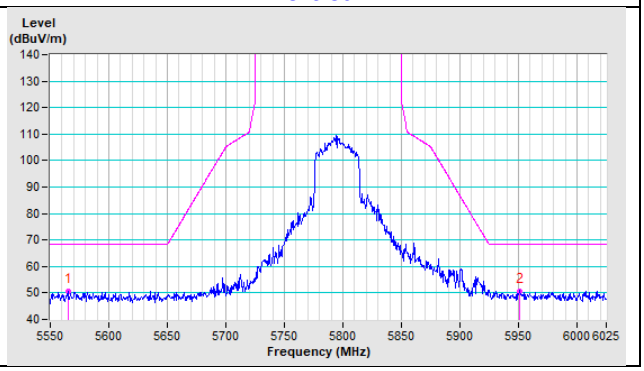
802.11ax (HE20) CH 165：5825 MHz

Horizontal	Vertical
	

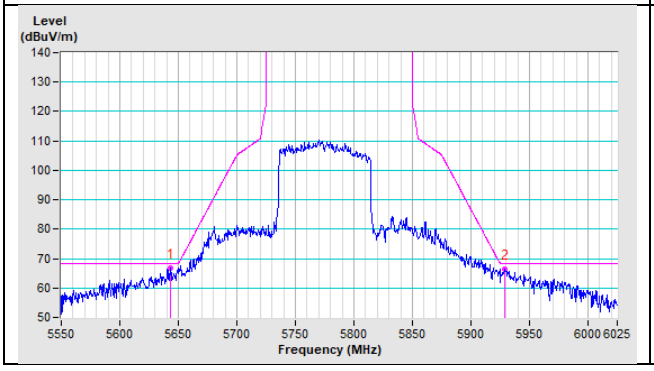
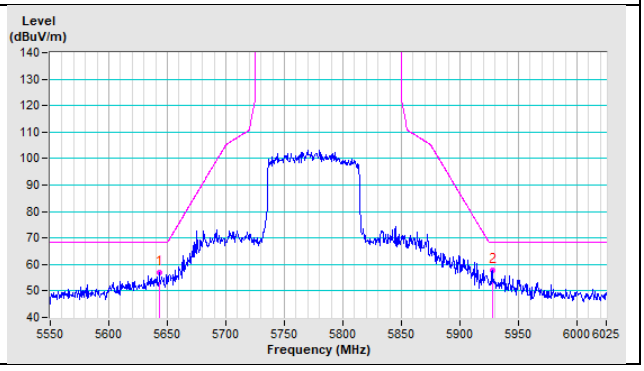
802.11ax (HE40) CH 151：5755 MHz

Horizontal	Vertical
	

802.11ax (HE40) CH 159：5795 MHz

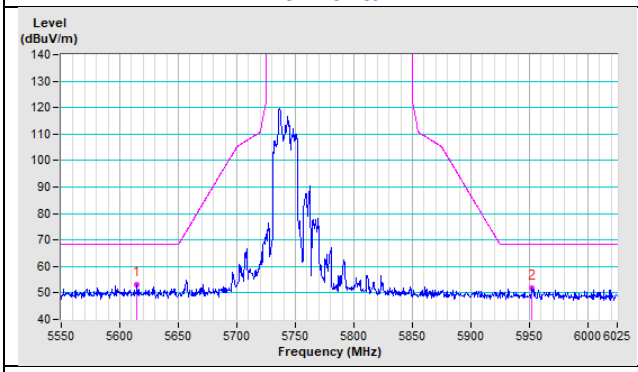
Horizontal	Vertical
	

802.11ax (HE80) CH 155：5775 MHz

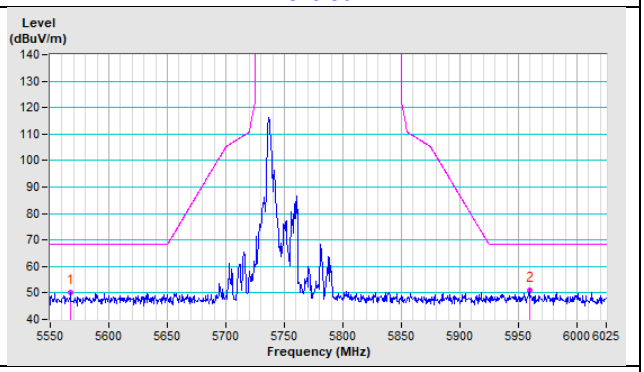
Horizontal	Vertical
	

20MHz Preamble 802.11ax (RU26) CH 149：5745 MHz

Horizontal

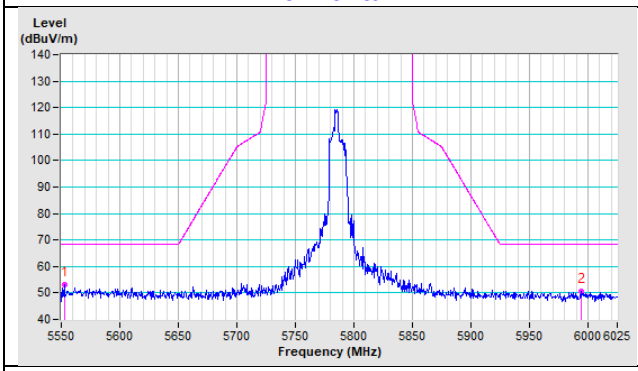


Vertical

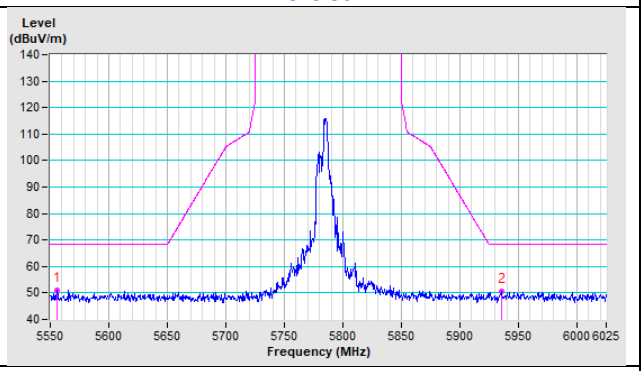


20MHz Preamble 802.11ax (RU26) CH 157：5785 MHz

Horizontal

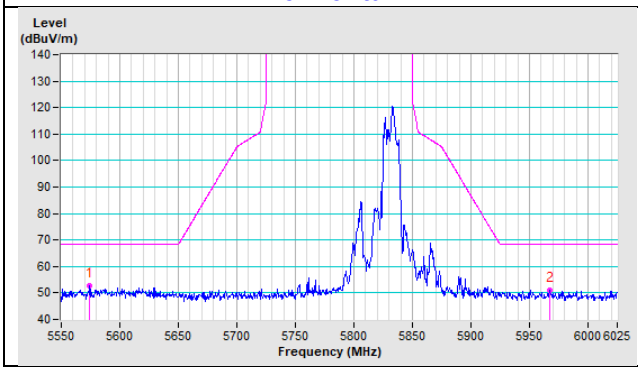


Vertical

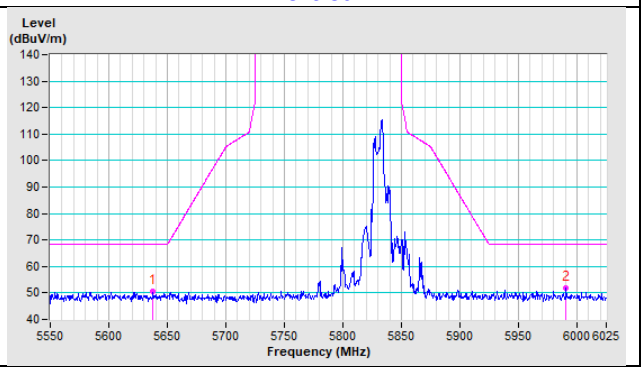


20MHz Preamble 802.11ax (RU26) CH 165：5825 MHz

Horizontal

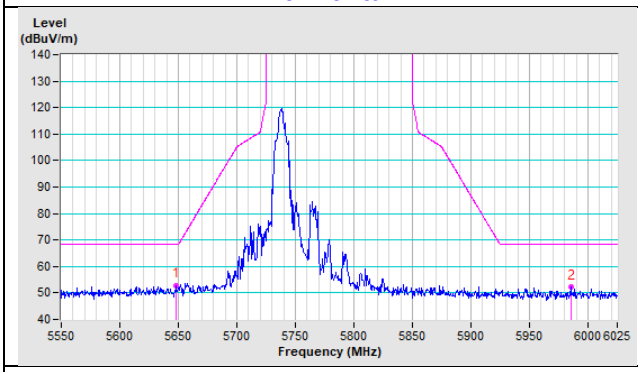


Vertical

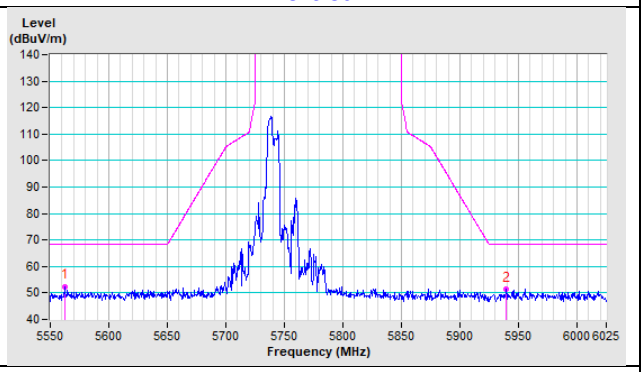


20MHz Preamble 802.11ax (RU52) CH 149：5745 MHz

Horizontal

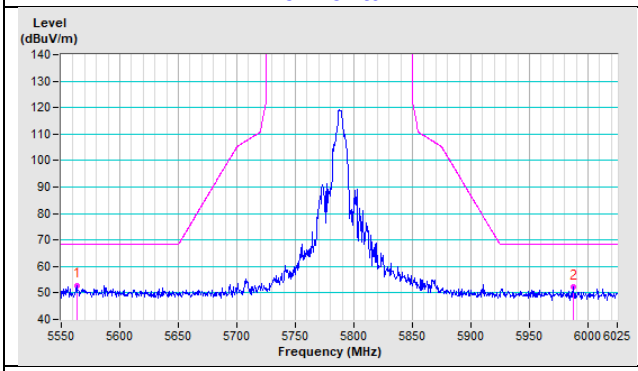


Vertical

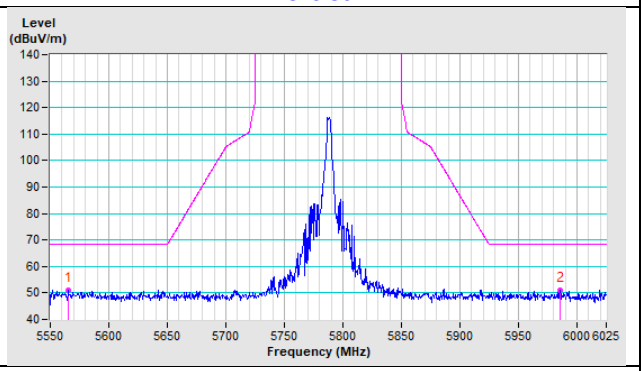


20MHz Preamble 802.11ax (RU52) CH 157：5785 MHz

Horizontal

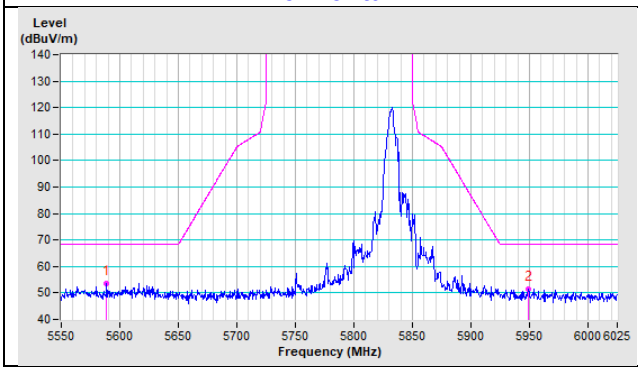


Vertical

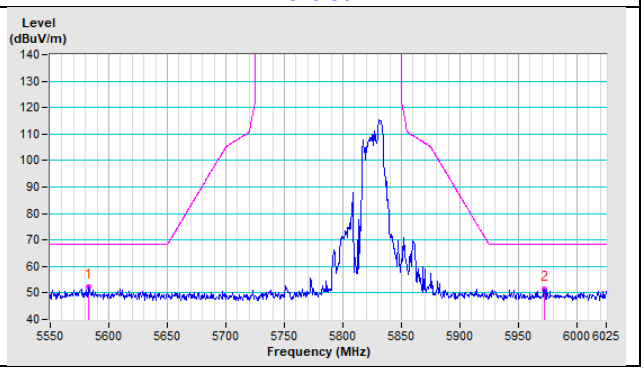


20MHz Preamble 802.11ax (RU52) CH 165：5825 MHz

Horizontal

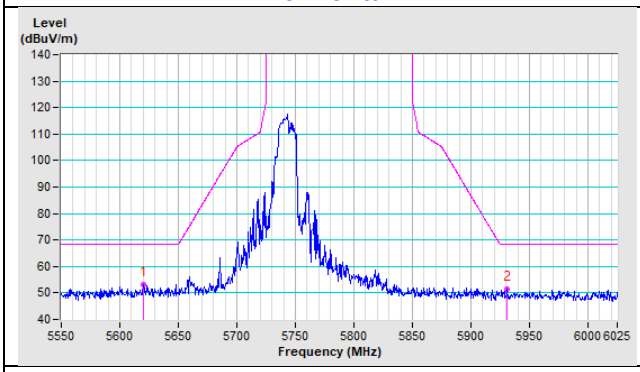


Vertical

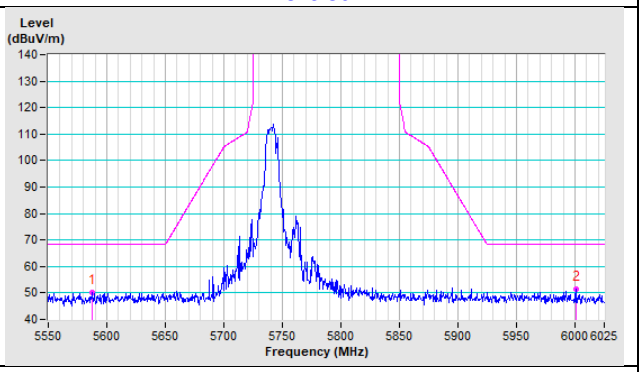


20MHz Preamble 802.11ax (RU106) CH 149：5745 MHz

Horizontal

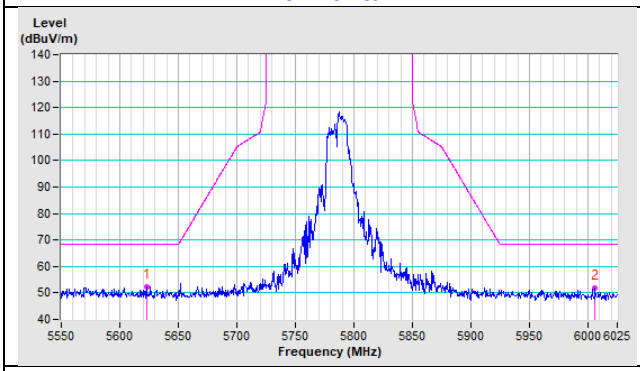


Vertical

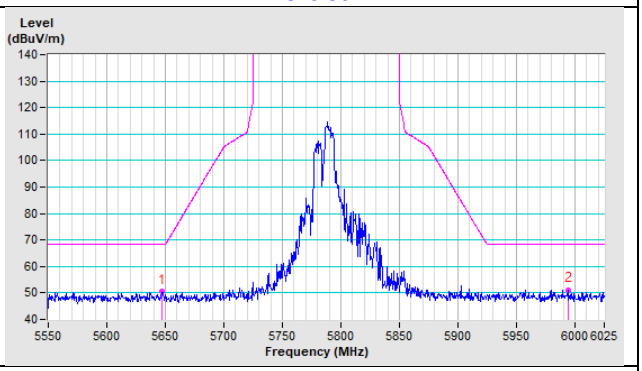


20MHz Preamble 802.11ax (RU106) CH 157：5785 MHz

Horizontal

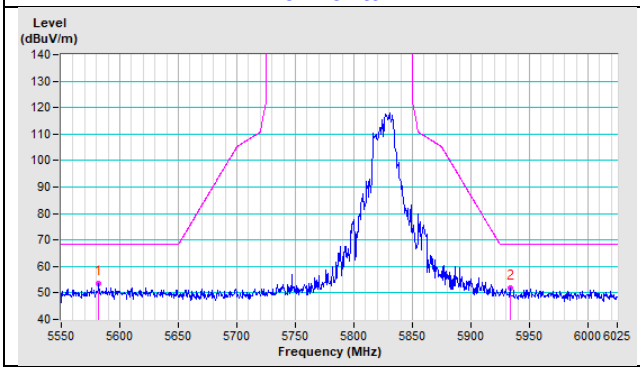


Vertical

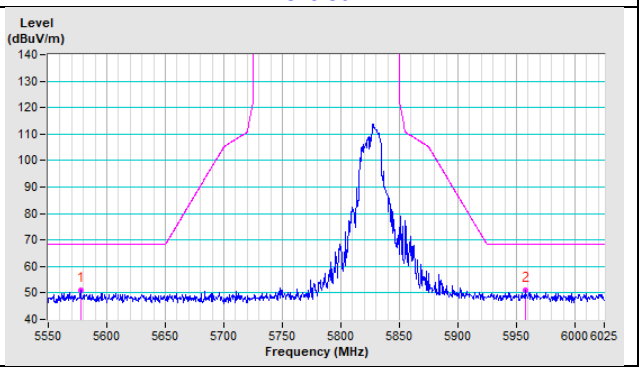


20MHz Preamble 802.11ax (RU106) CH 165：5825 MHz

Horizontal



Vertical



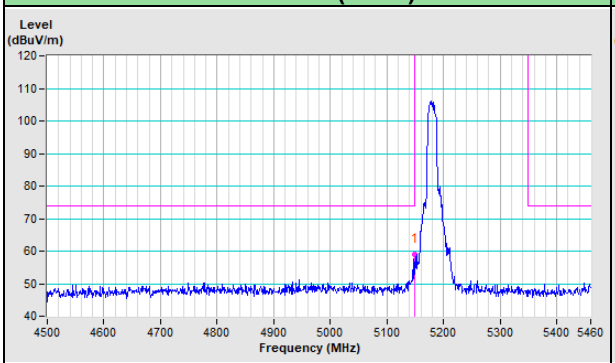
Annex B - Band-Edge Measurement (For U-NII-1, U-NII-2A, U-NII-2C band)

Annex B.1 - Test Results (Mode 1)

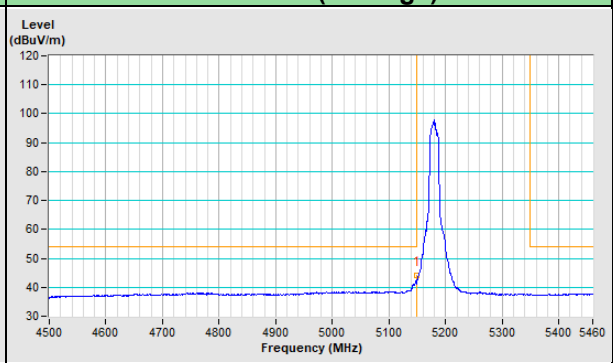
Dipole Antenna

802.11a Channel 36

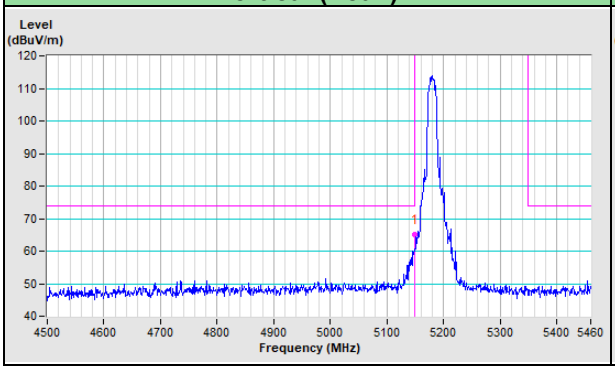
Horizontal (Peak)



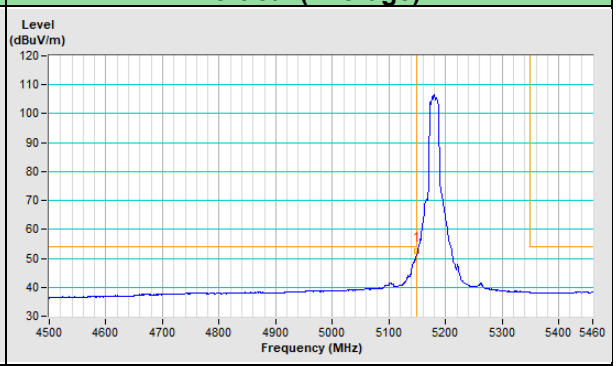
Horizontal (Average)



Vertical (Peak)

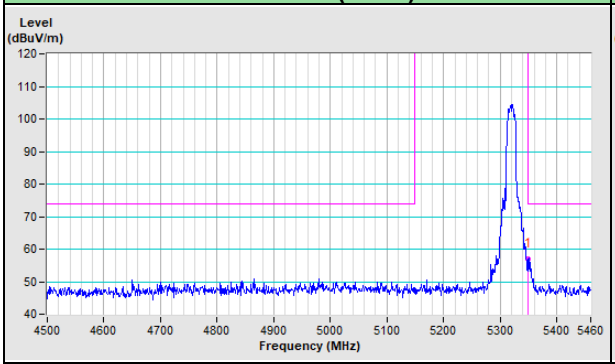


Vertical (Average)

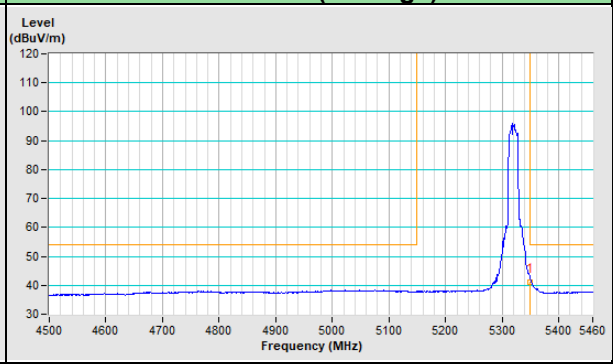


802.11a Channel 64

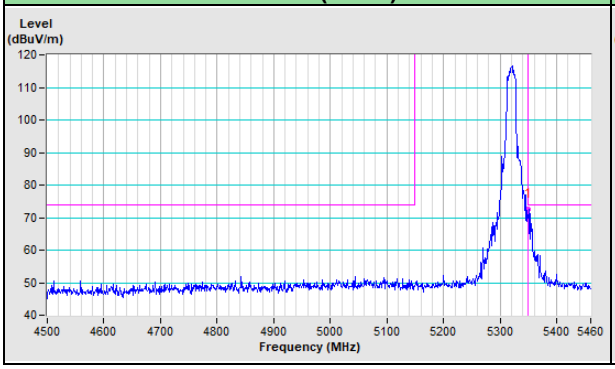
Horizontal (Peak)



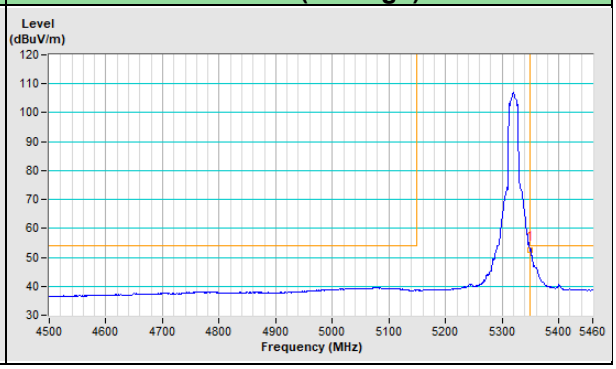
Horizontal (Average)

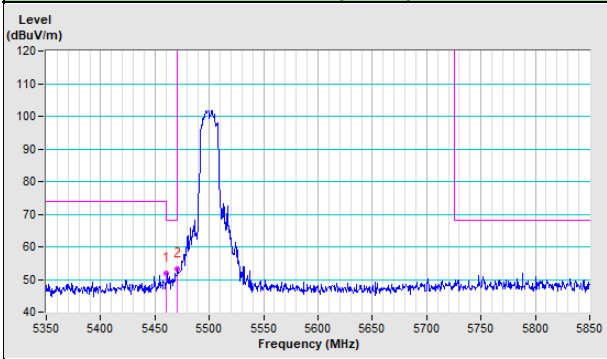
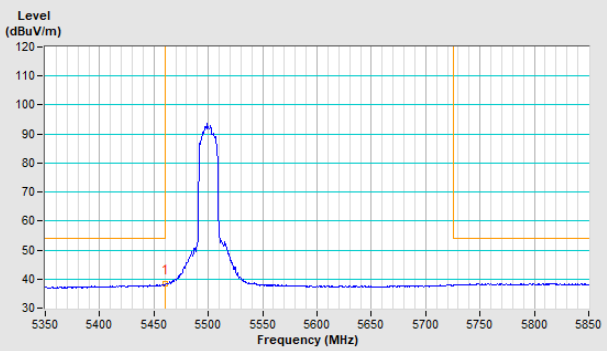
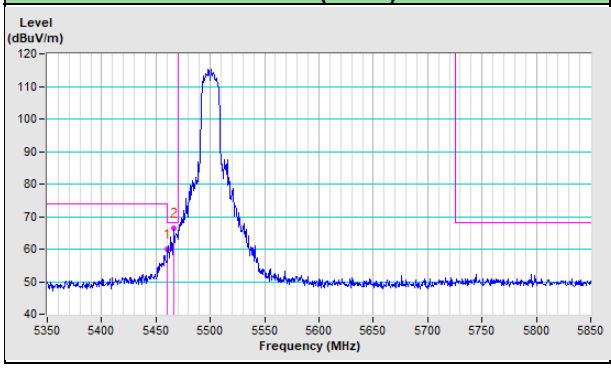
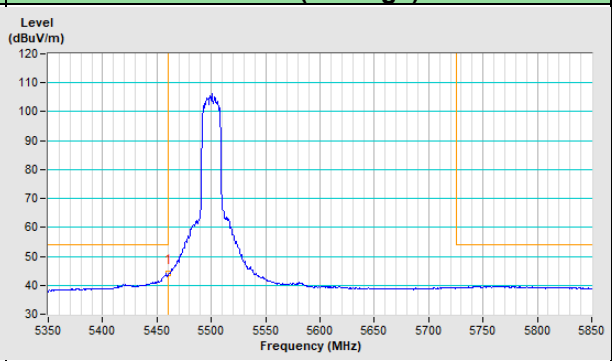


Vertical (Peak)



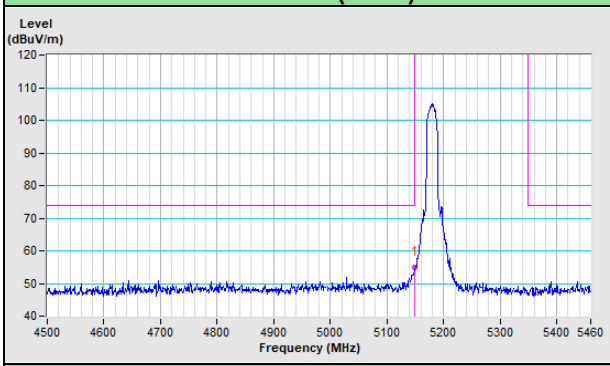
Vertical (Average)



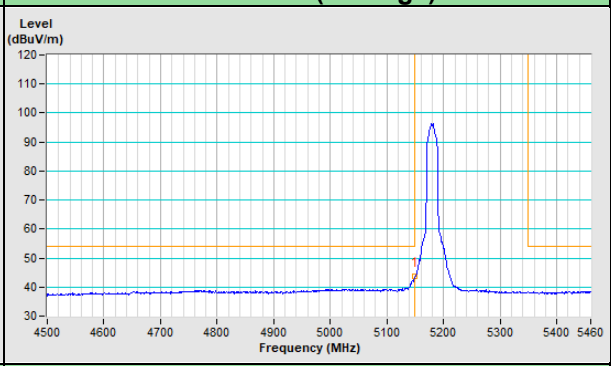
802.11a Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE20) Channel 36

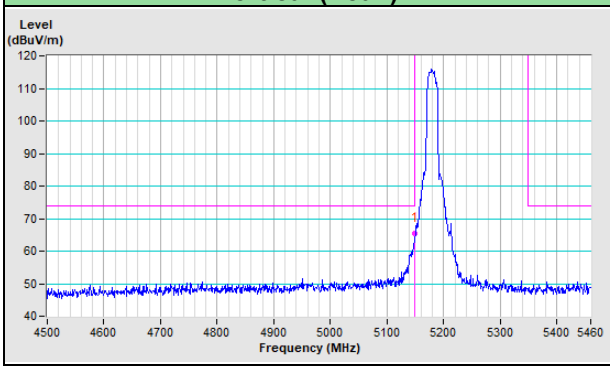
Horizontal (Peak)



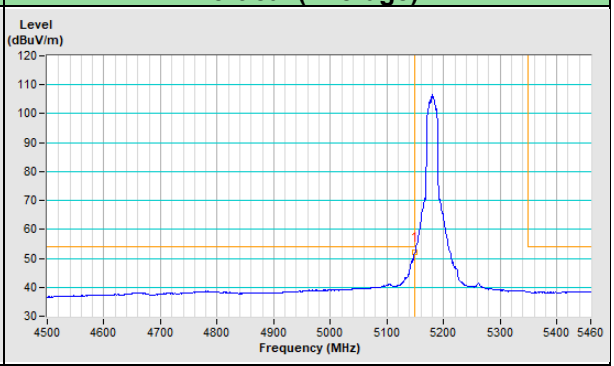
Horizontal (Average)



Vertical (Peak)

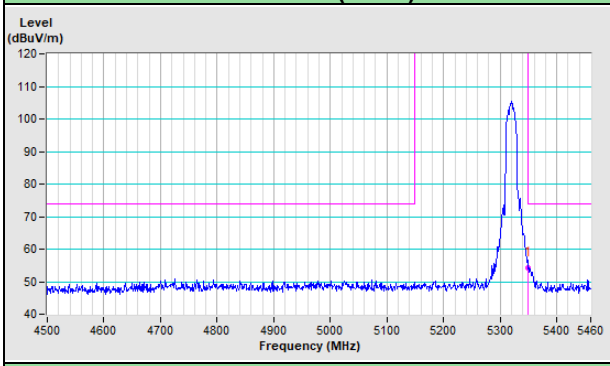


Vertical (Average)

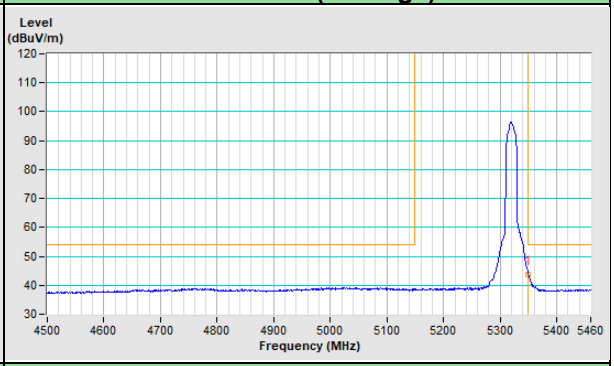


802.11ax (HE20) Channel 64

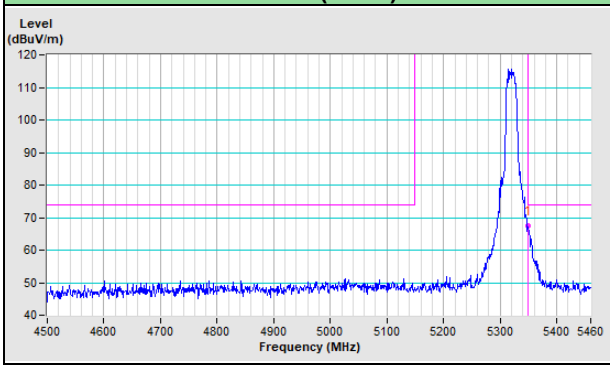
Horizontal (Peak)



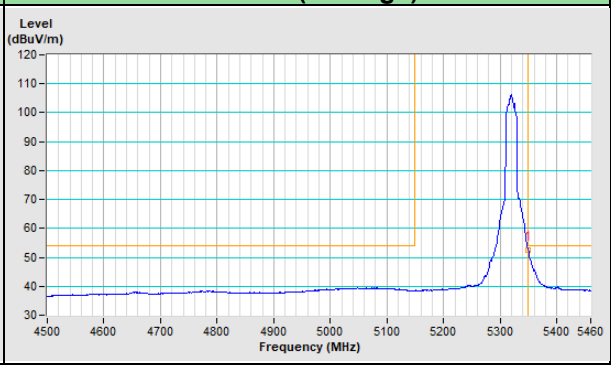
Horizontal (Average)

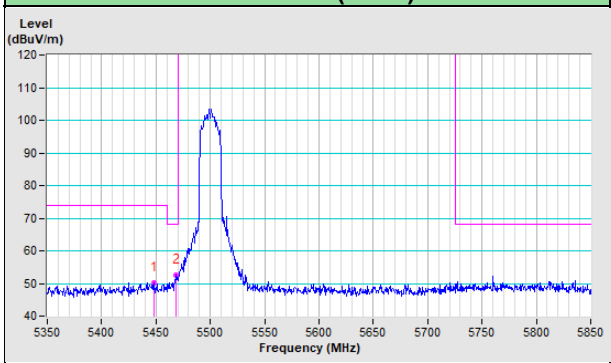
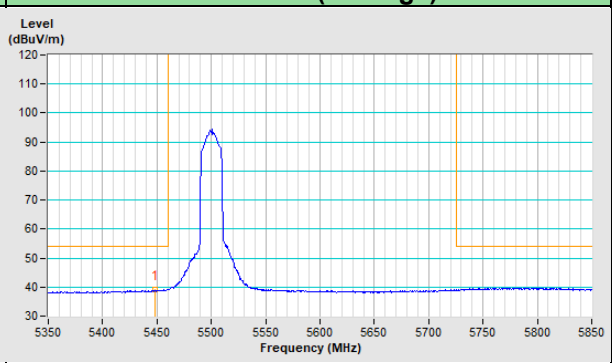
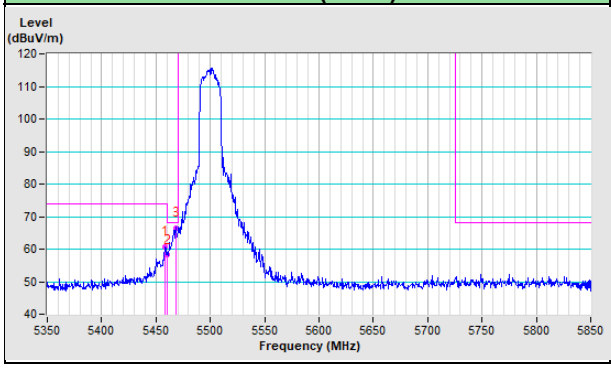
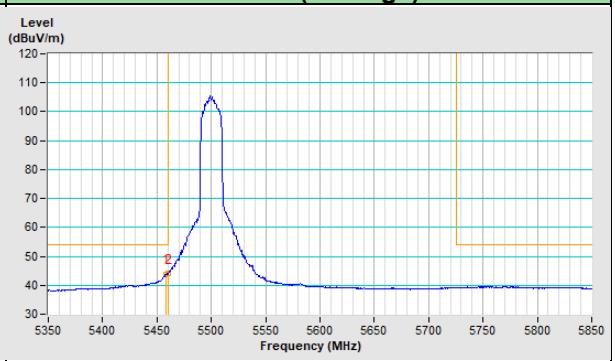


Vertical (Peak)



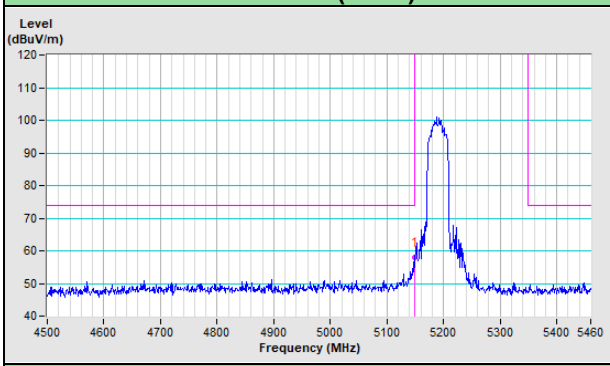
Vertical (Average)



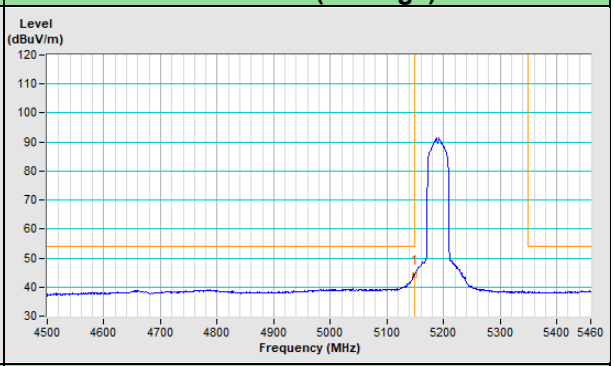
802.11ax (HE20) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE40) Channel 38

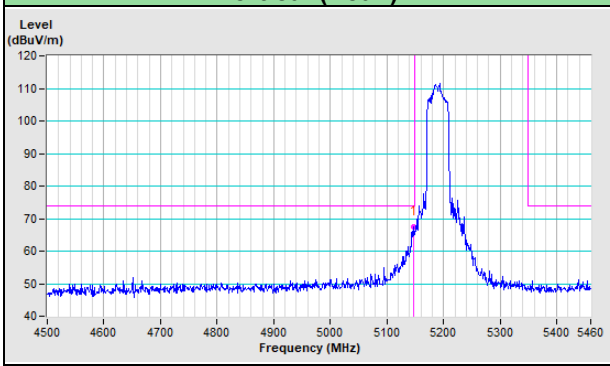
Horizontal (Peak)



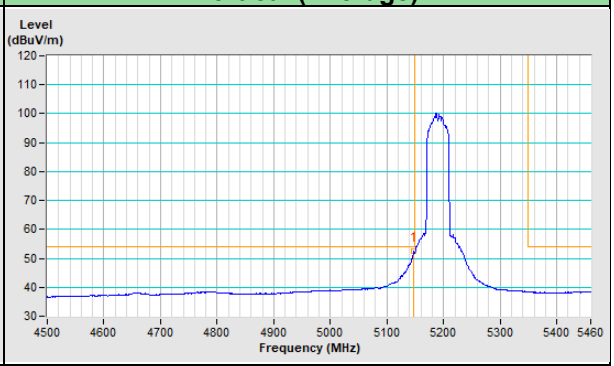
Horizontal (Average)



Vertical (Peak)

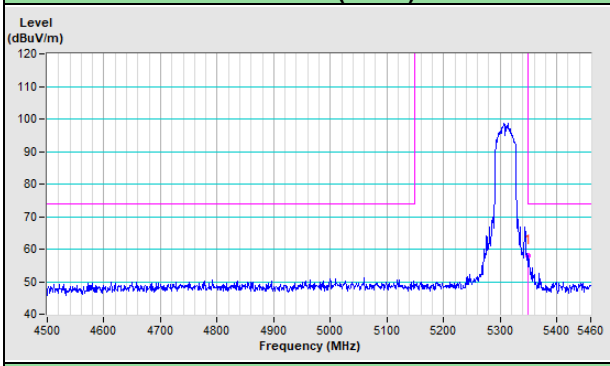


Vertical (Average)

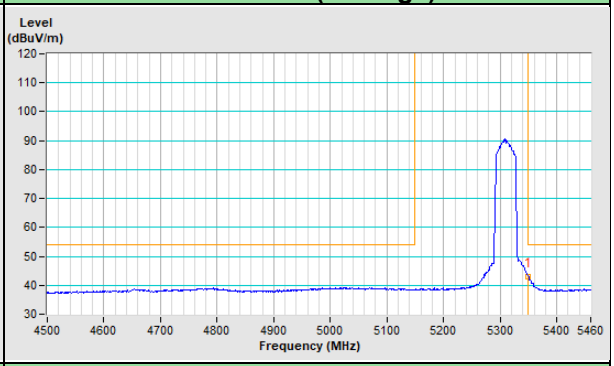


802.11ax (HE40) Channel 62

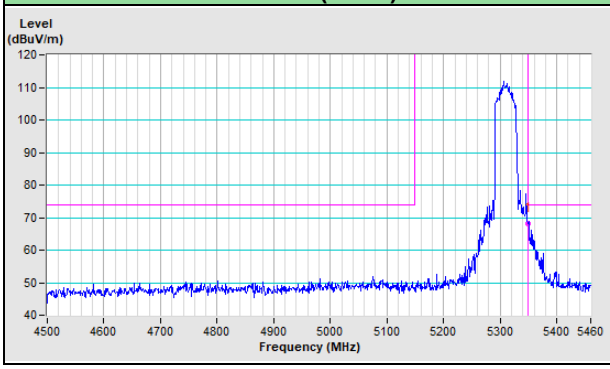
Horizontal (Peak)



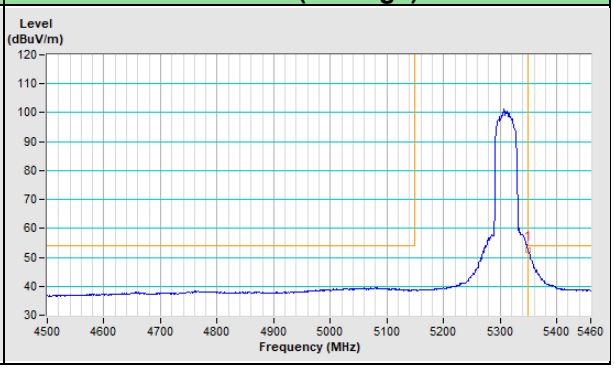
Horizontal (Average)

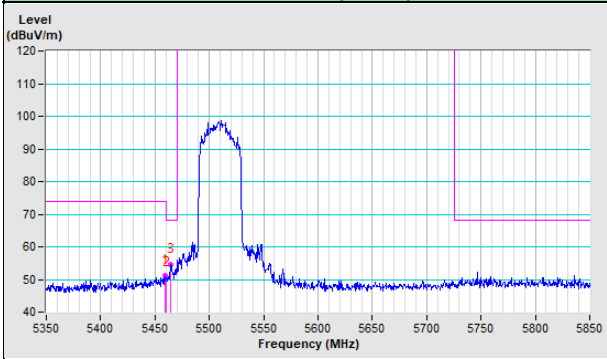
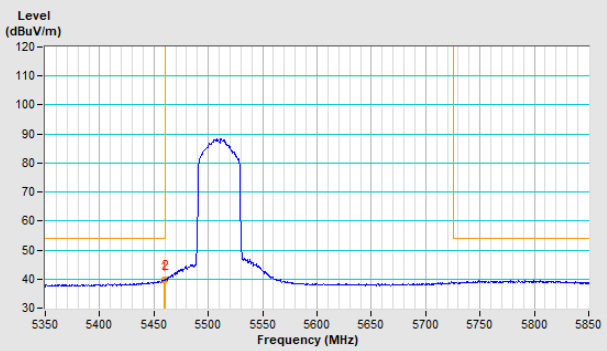
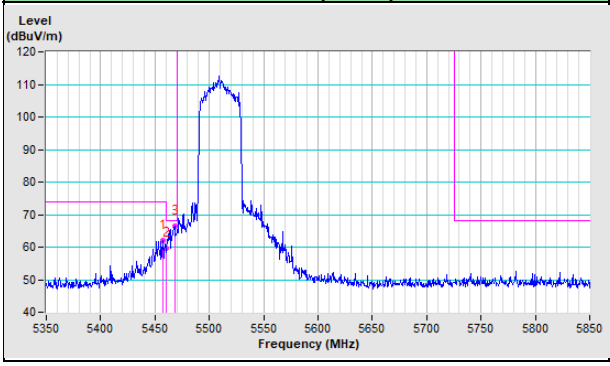
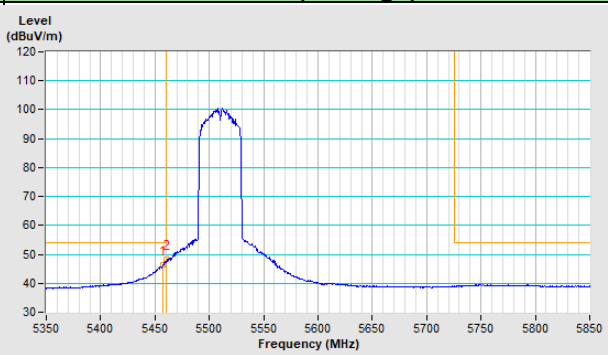


Vertical (Peak)



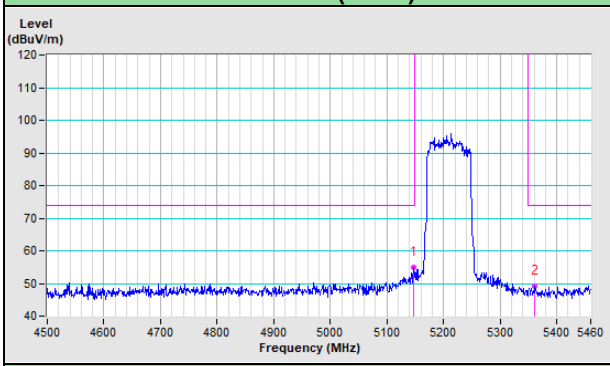
Vertical (Average)



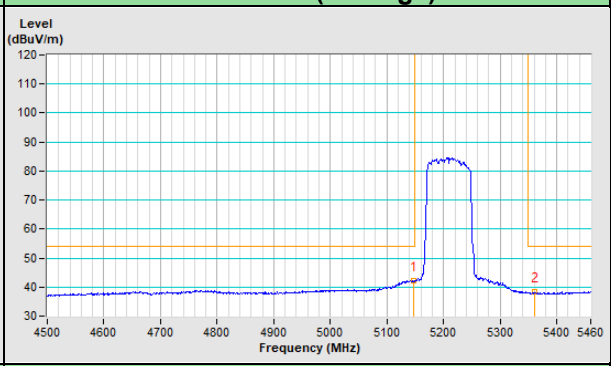
802.11ax (HE40) Channel 102	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE80) Channel 42

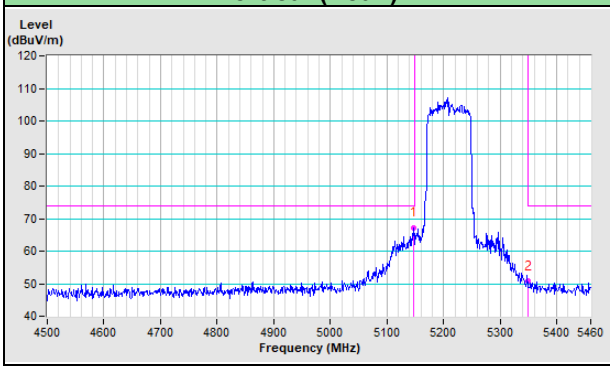
Horizontal (Peak)



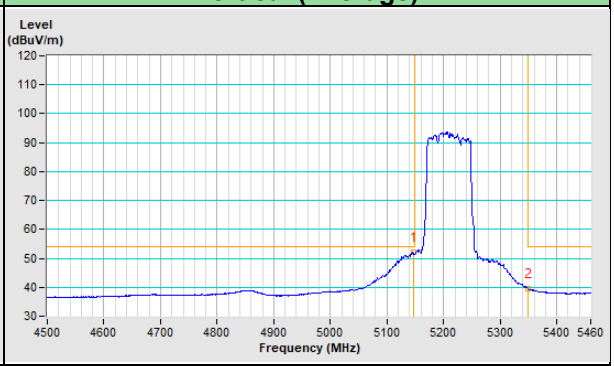
Horizontal (Average)



Vertical (Peak)

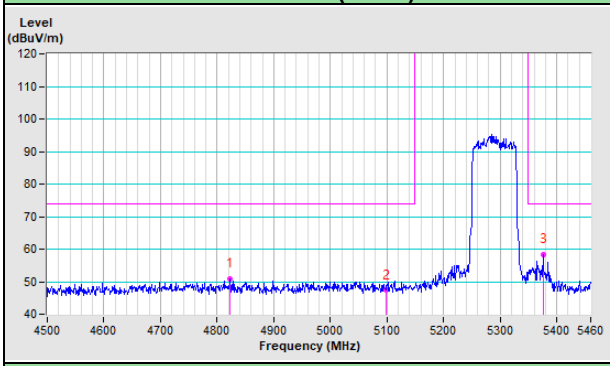


Vertical (Average)

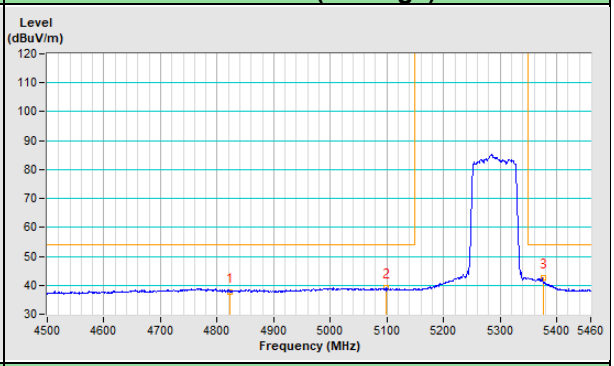


802.11ax (HE80) Channel 58

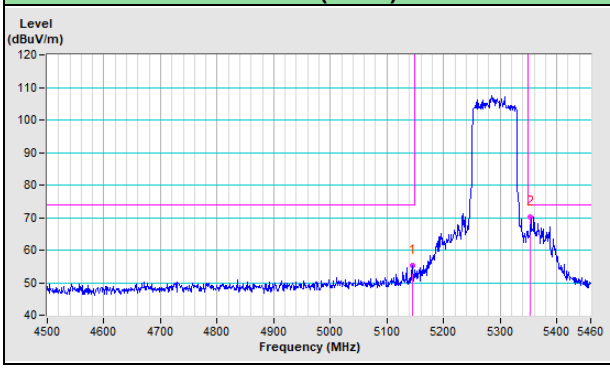
Horizontal (Peak)



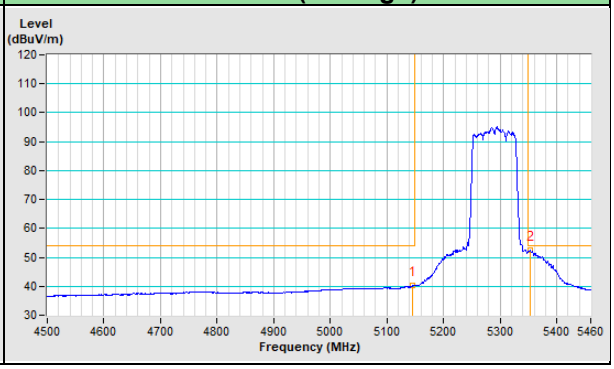
Horizontal (Average)

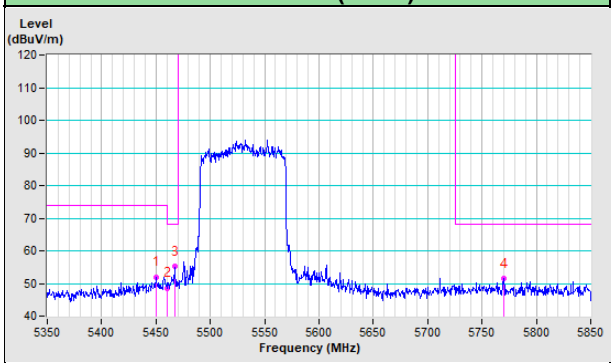
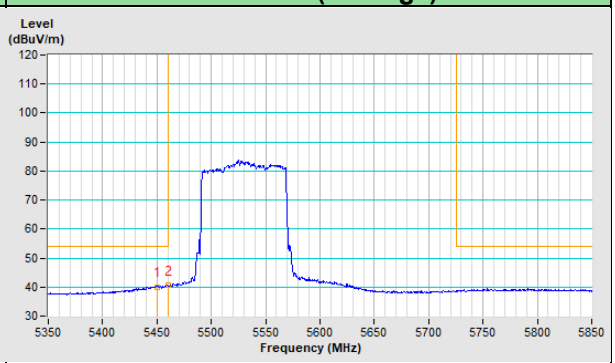
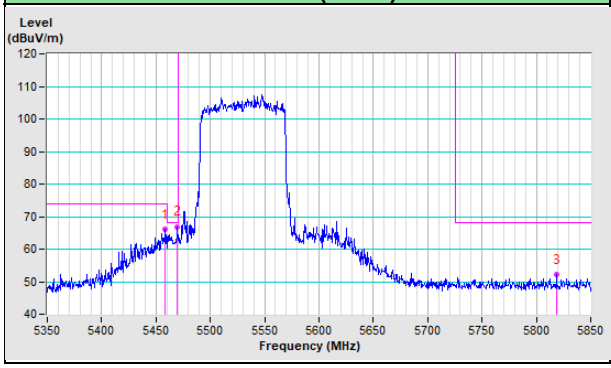
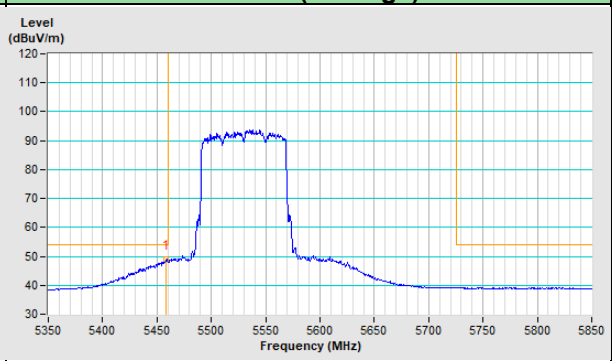


Vertical (Peak)



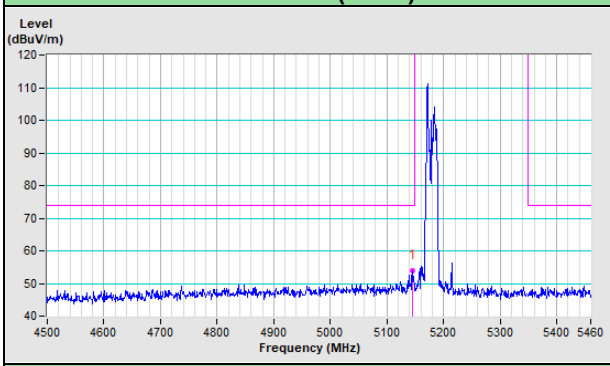
Vertical (Average)



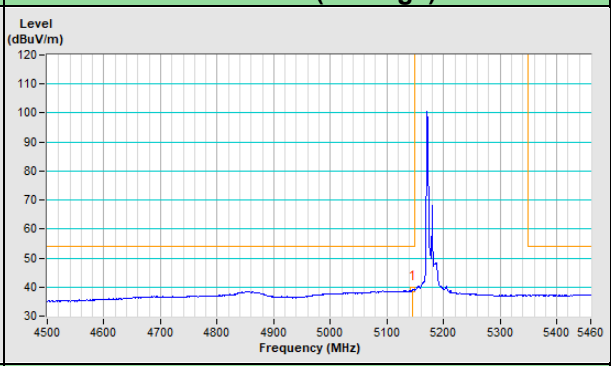
802.11ax (HE80) Channel 106	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

20MHz Preamble 802.11ax (RU26) Channel 36

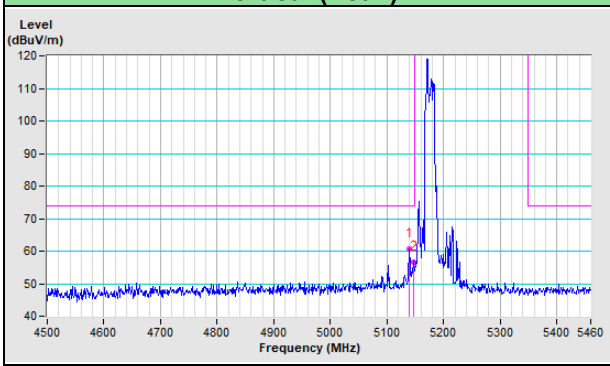
Horizontal (Peak)



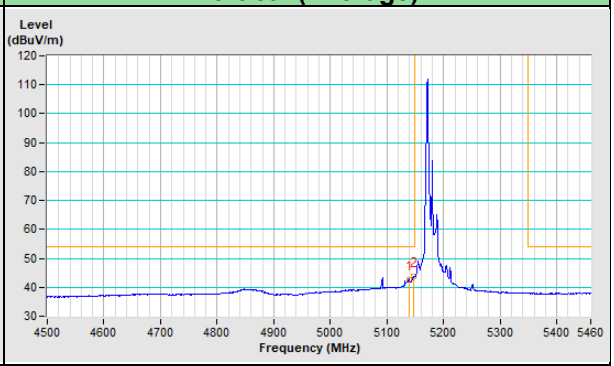
Horizontal (Average)



Vertical (Peak)

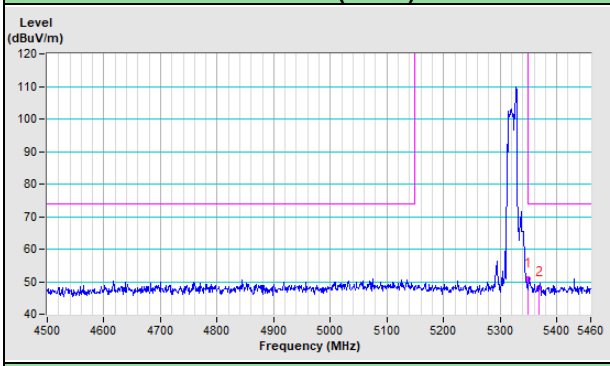


Vertical (Average)

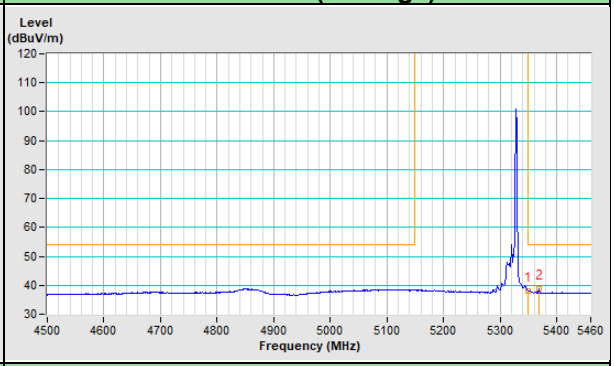


20MHz Preamble 802.11ax (RU26) Channel 64

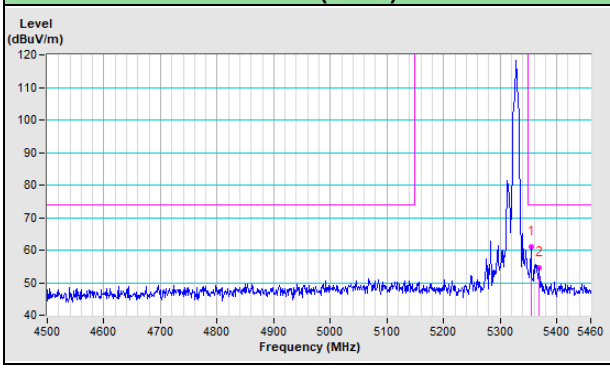
Horizontal (Peak)



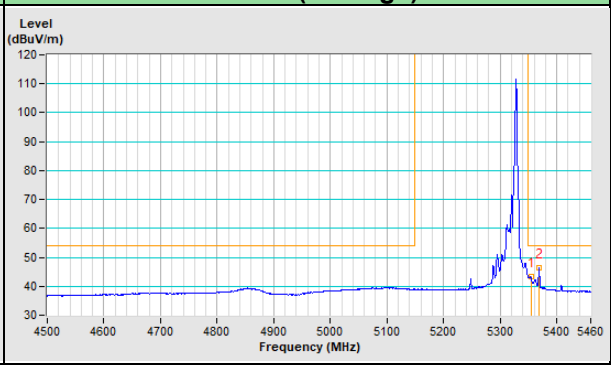
Horizontal (Average)

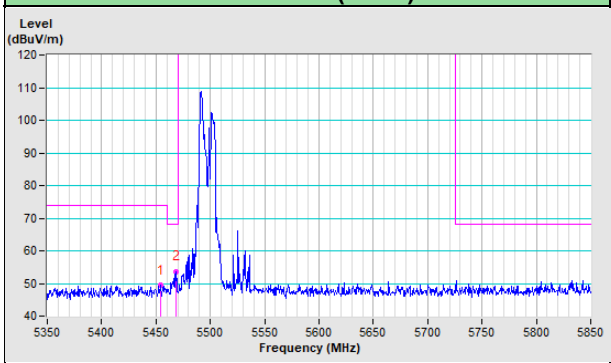
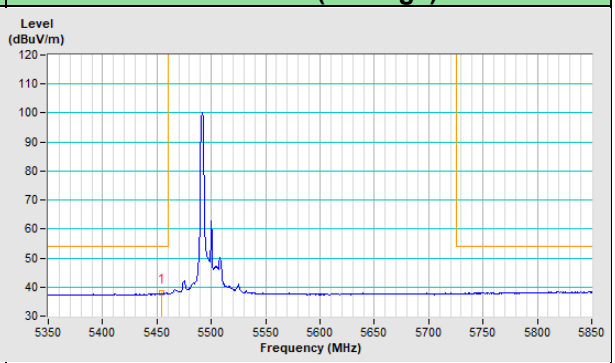
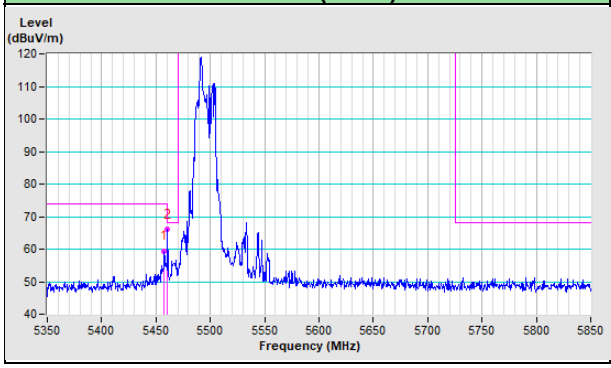
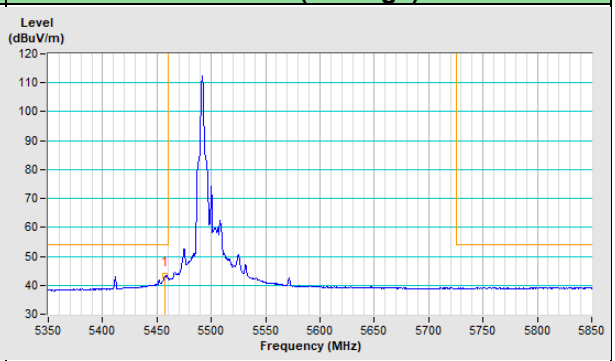


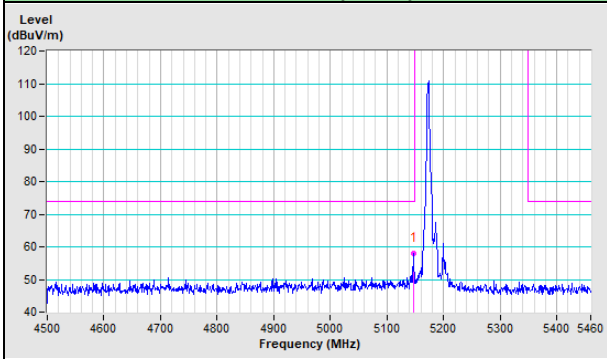
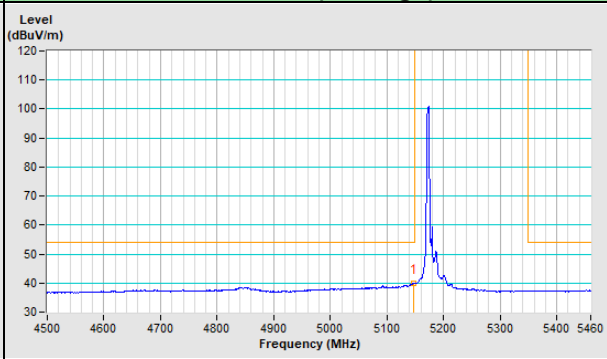
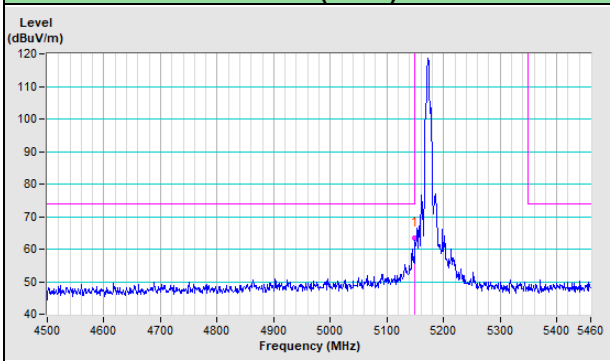
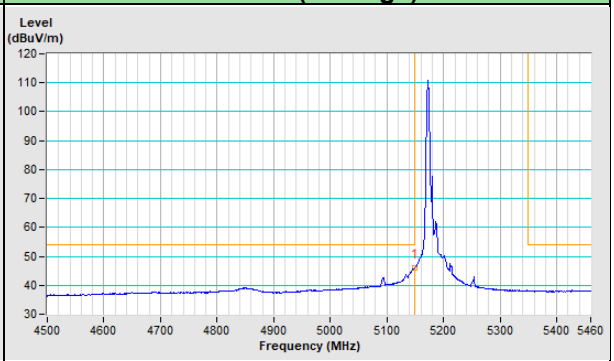
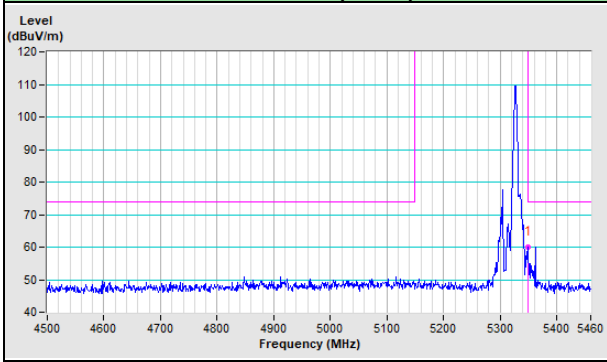
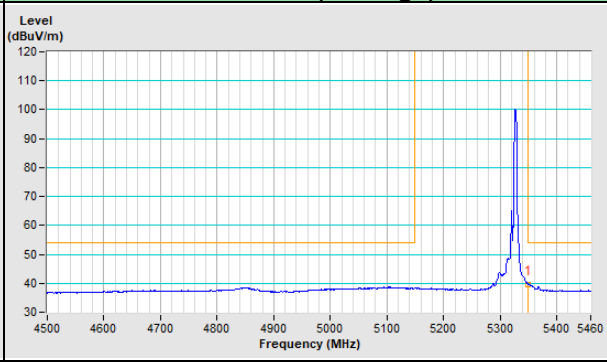
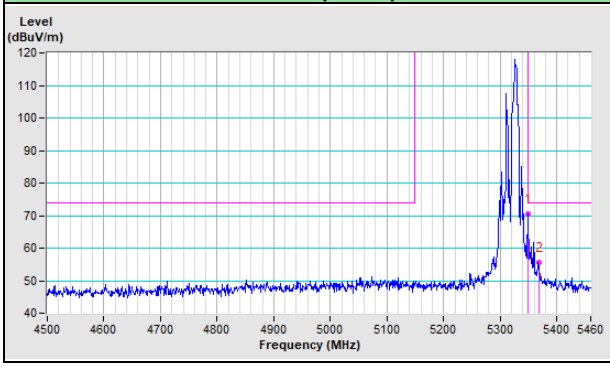
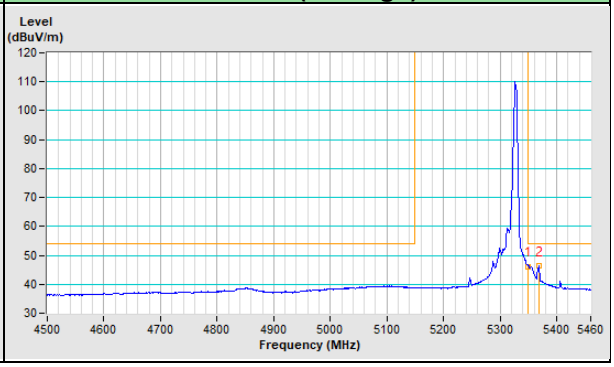
Vertical (Peak)

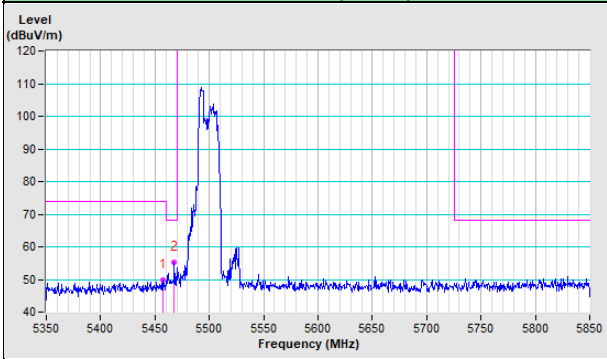
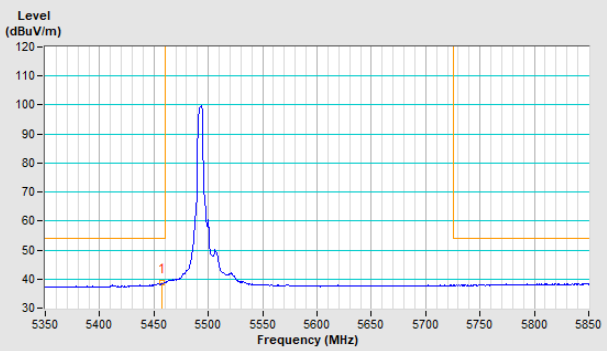
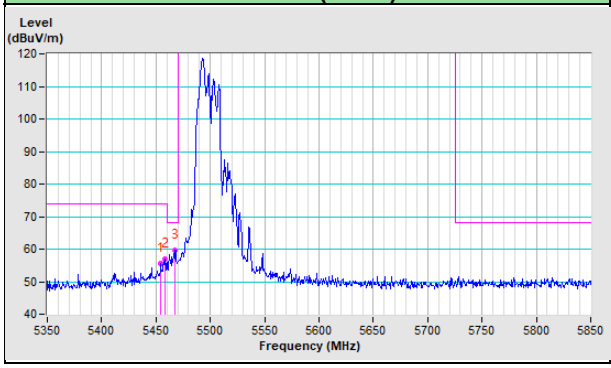
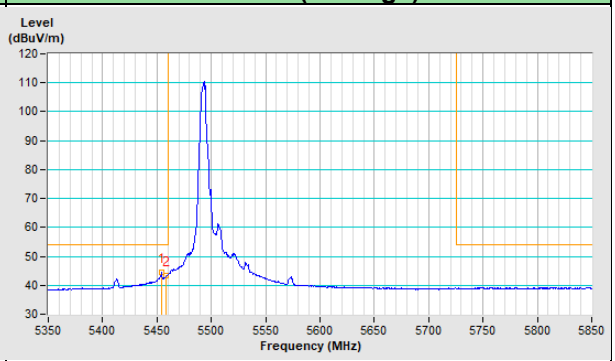


Vertical (Average)



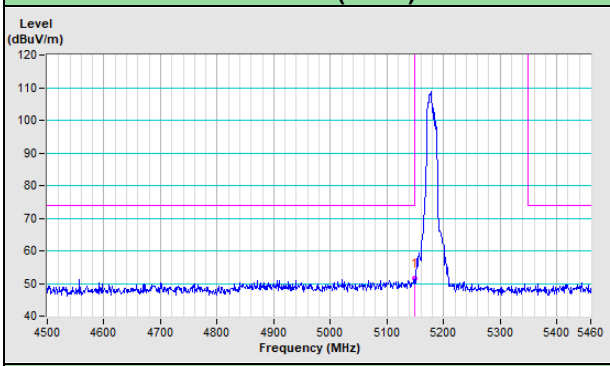
20MHz Preamble 802.11ax (RU26) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

20MHz Preamble 802.11ax (RU52) Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
20MHz Preamble 802.11ax (RU52) Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

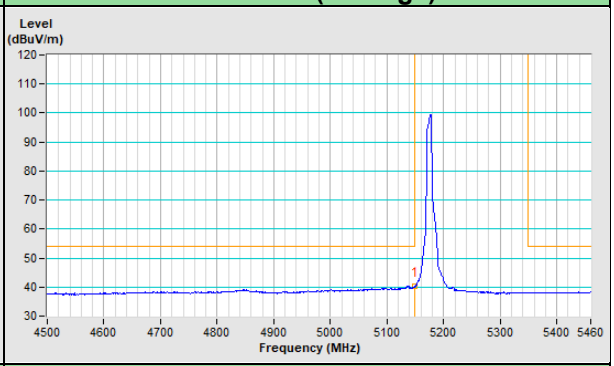
20MHz Preamble 802.11ax (RU52) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

20MHz Preamble 802.11ax (RU106) Channel 36

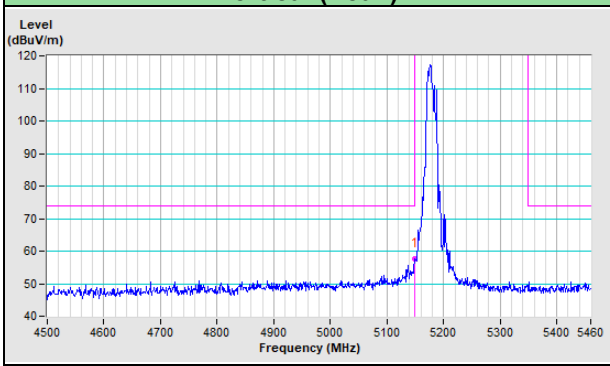
Horizontal (Peak)



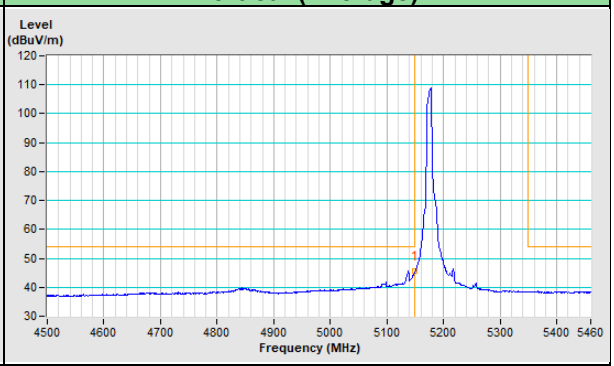
Horizontal (Average)



Vertical (Peak)

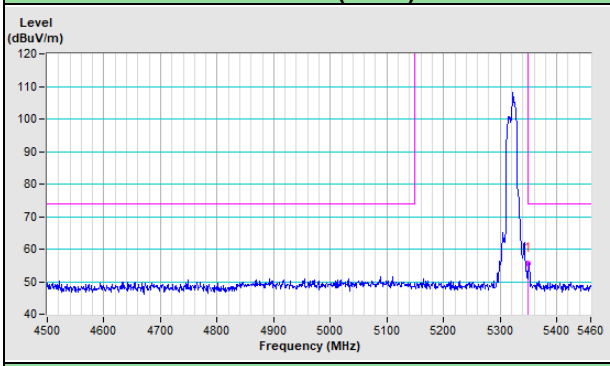


Vertical (Average)

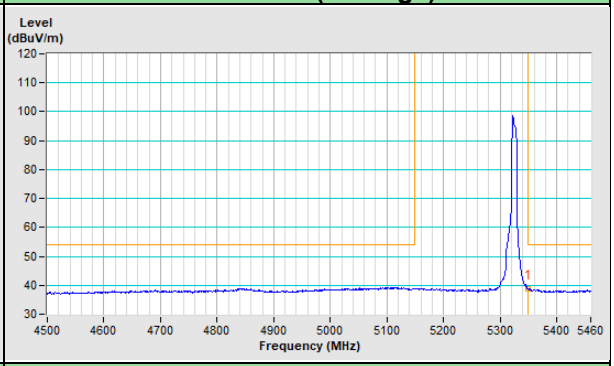


20MHz Preamble 802.11ax (RU106) Channel 64

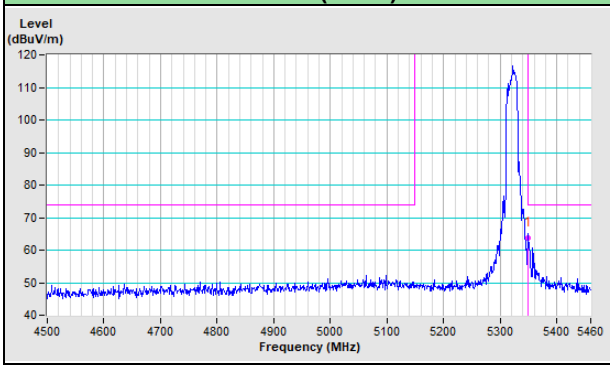
Horizontal (Peak)



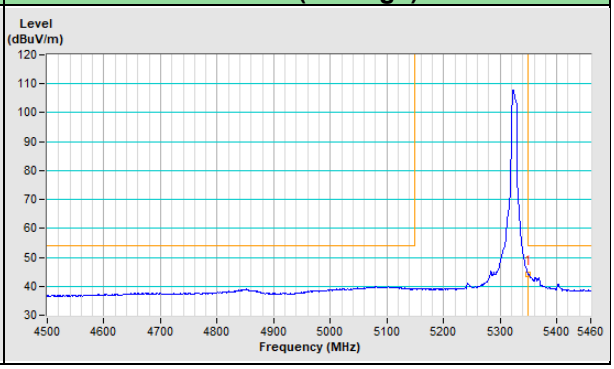
Horizontal (Average)

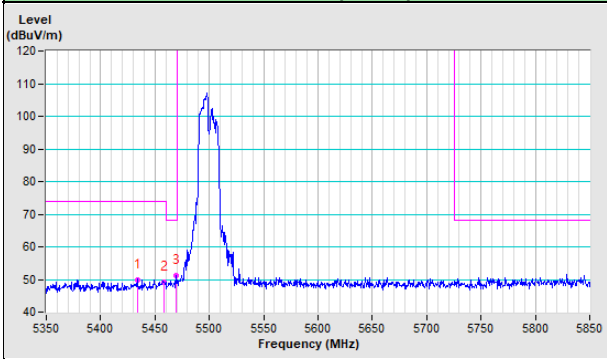
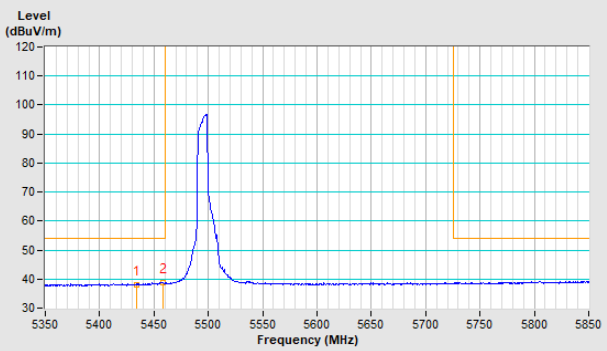
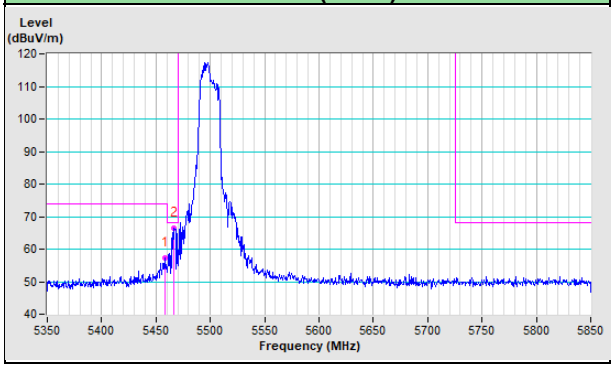
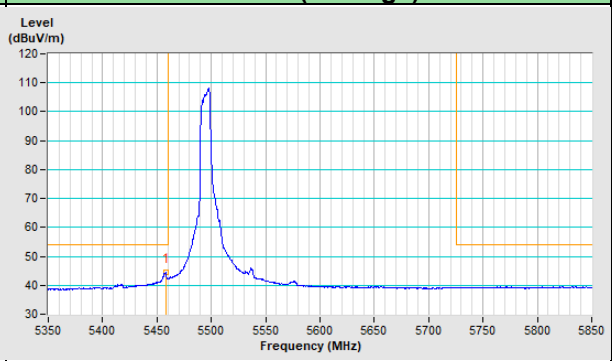


Vertical (Peak)



Vertical (Average)

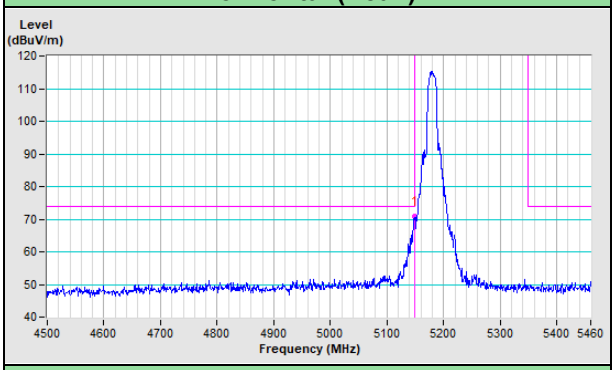


20MHz Preamble 802.11ax (RU106) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

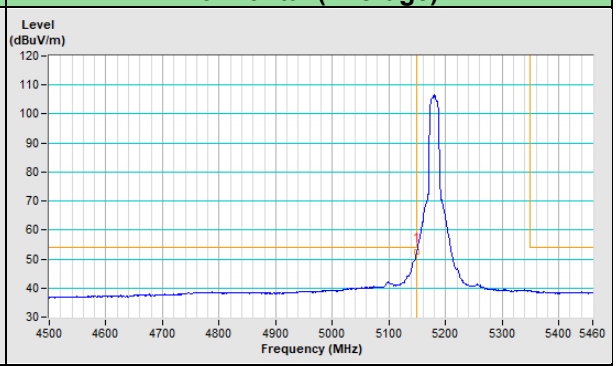
PIFA Antenna

802.11a Channel 36

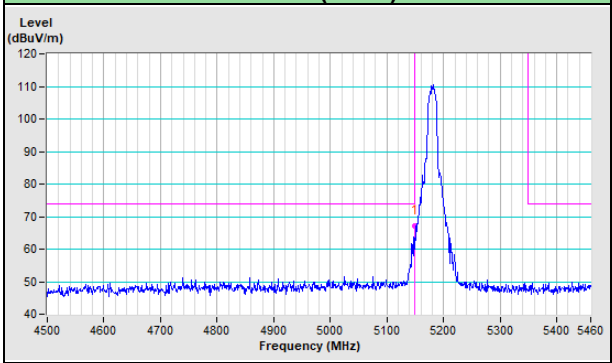
Horizontal (Peak)



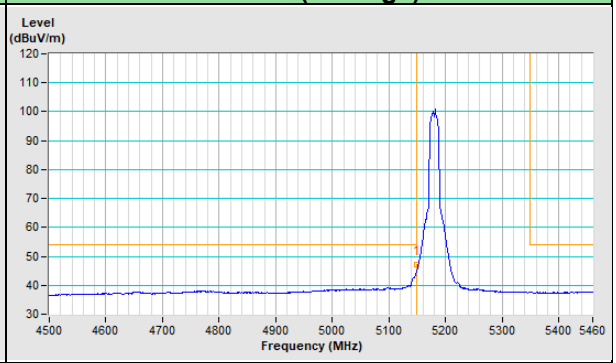
Horizontal (Average)



Vertical (Peak)

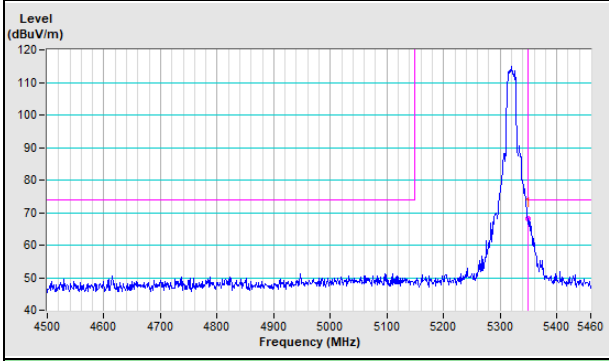


Vertical (Average)

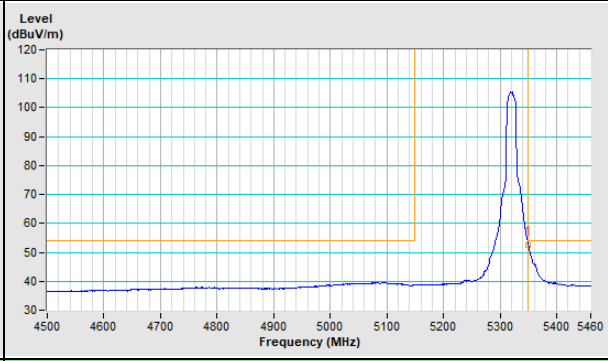


802.11a Channel 64

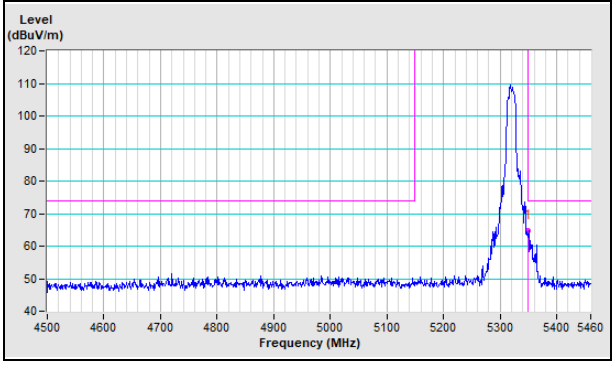
Horizontal (Peak)



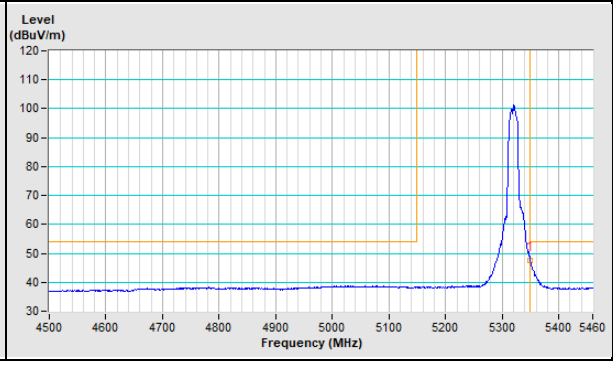
Horizontal (Average)

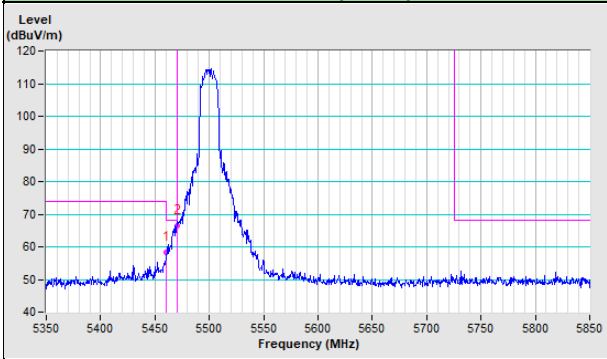
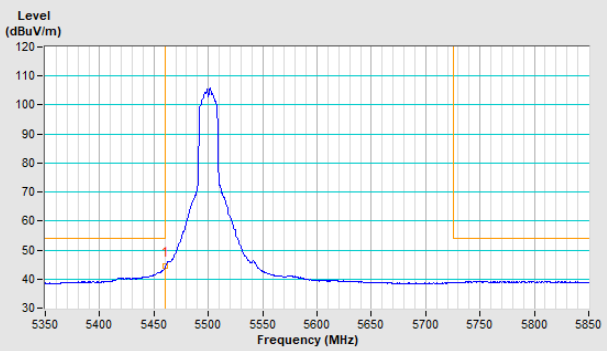
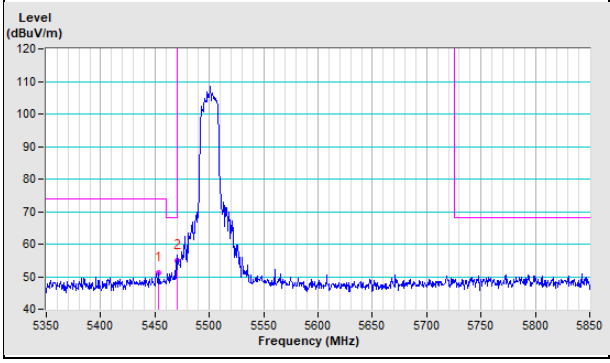
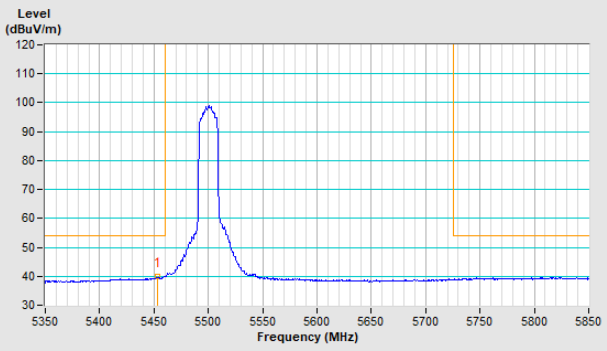


Vertical (Peak)



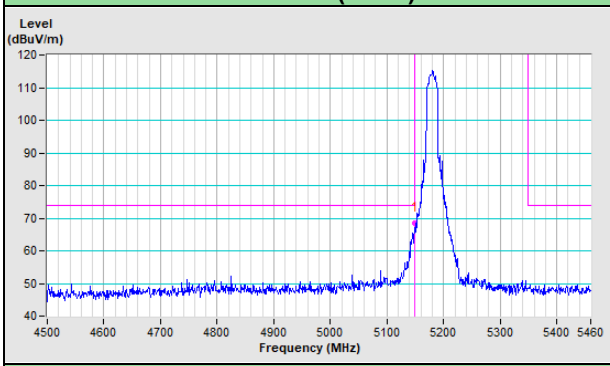
Vertical (Average)



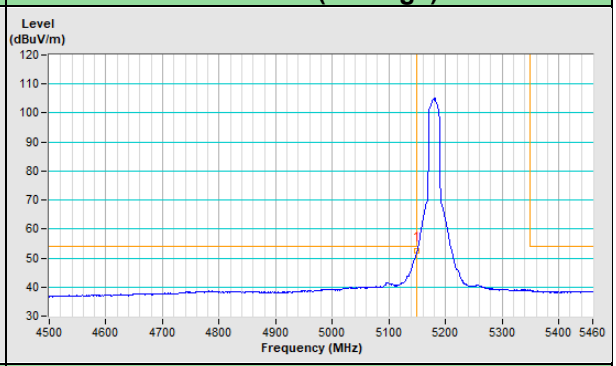
802.11a Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE20) Channel 36

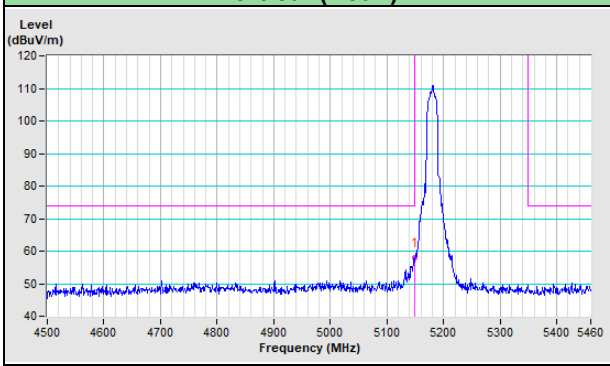
Horizontal (Peak)



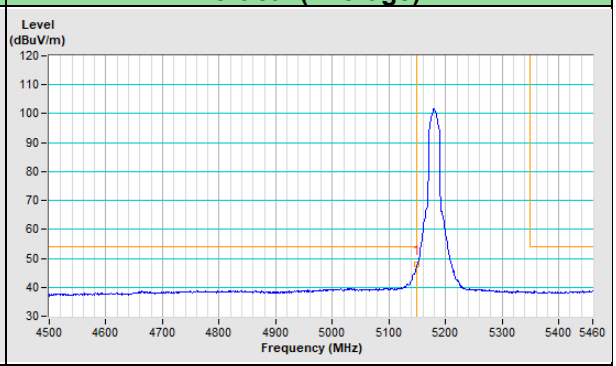
Horizontal (Average)



Vertical (Peak)

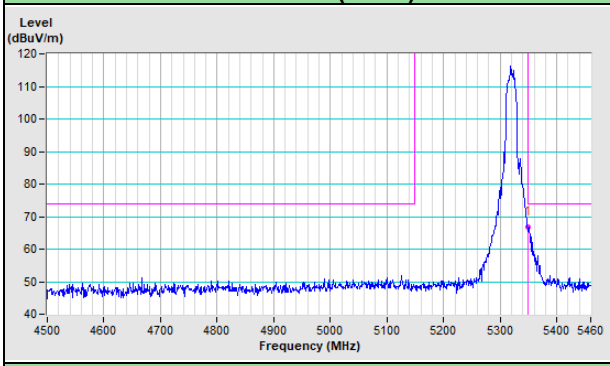


Vertical (Average)

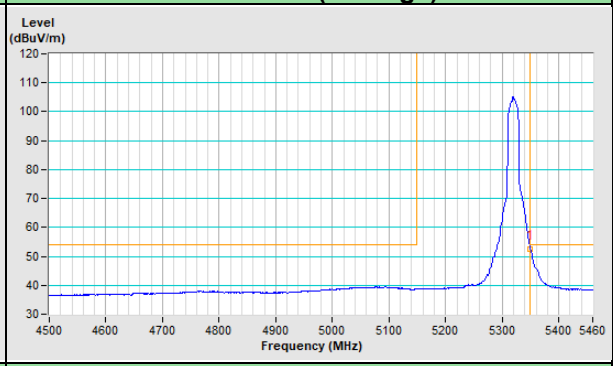


802.11ax (HE20) Channel 64

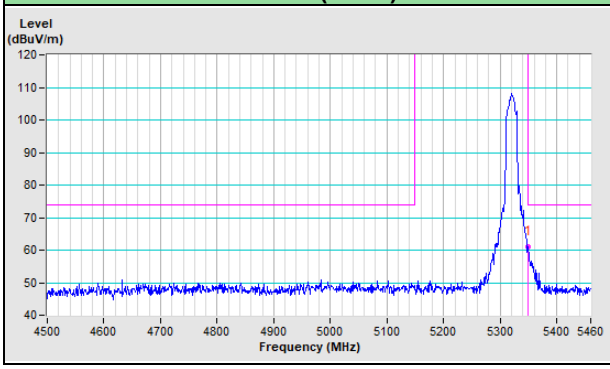
Horizontal (Peak)



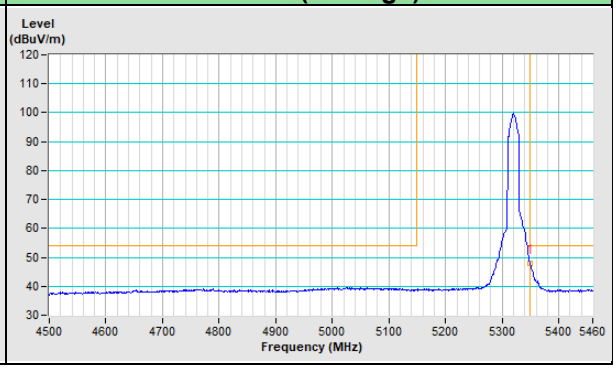
Horizontal (Average)

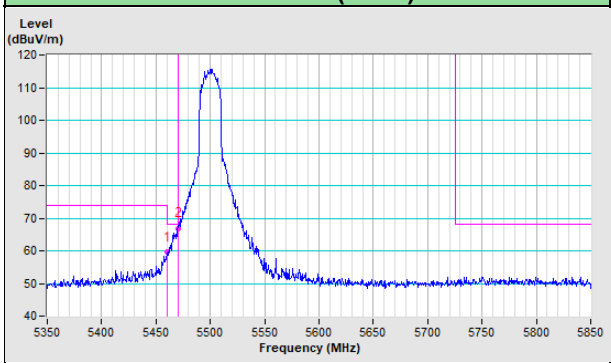
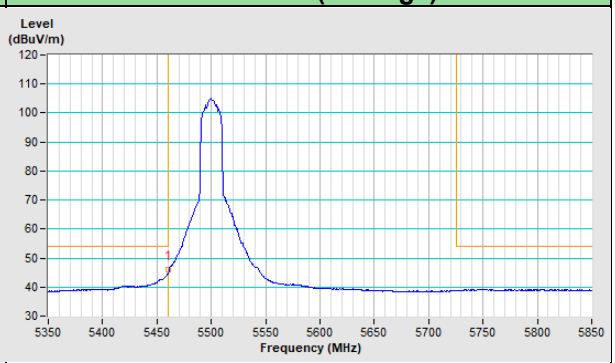
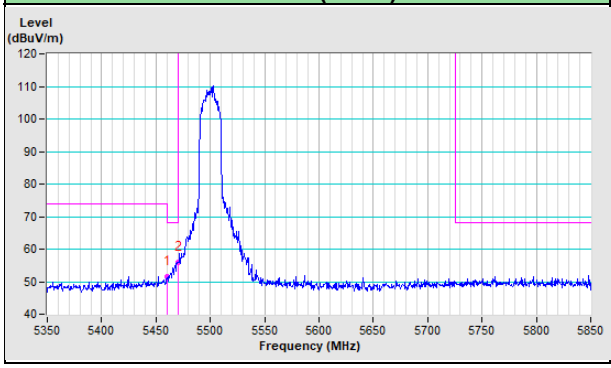
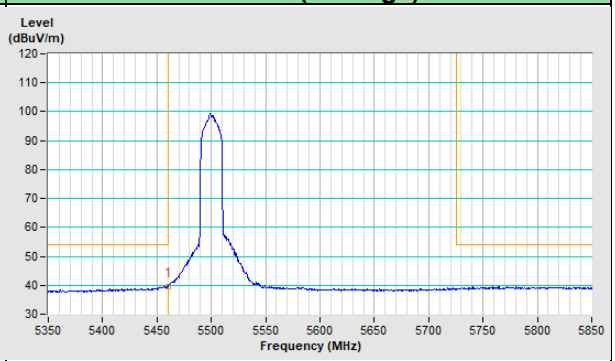


Vertical (Peak)



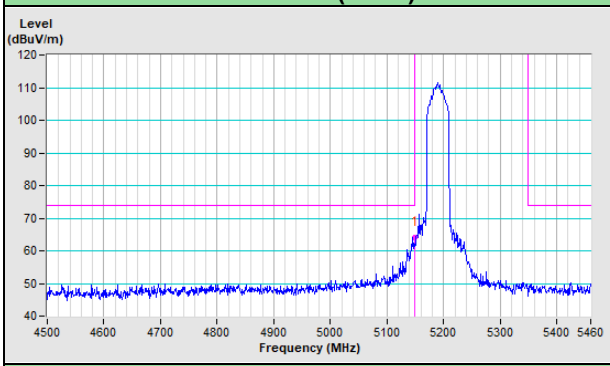
Vertical (Average)



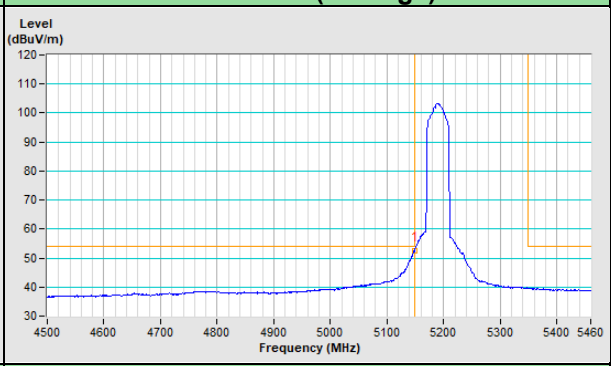
802.11ax (HE20) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE40) Channel 38

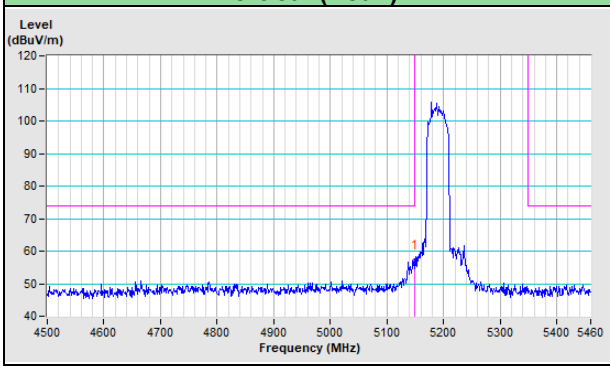
Horizontal (Peak)



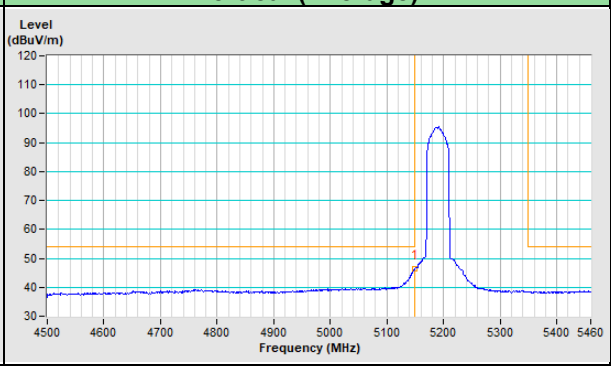
Horizontal (Average)



Vertical (Peak)

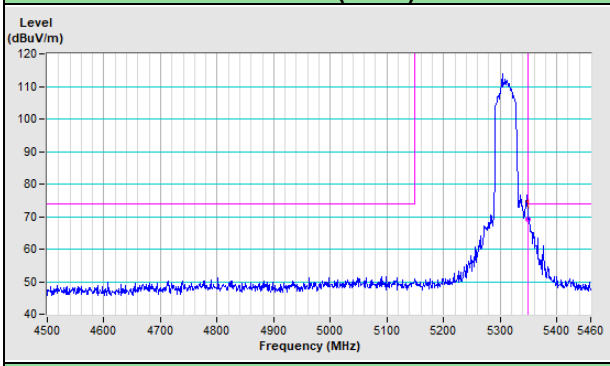


Vertical (Average)

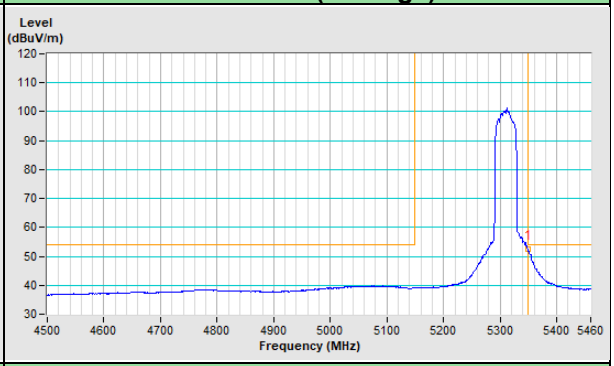


802.11ax (HE40) Channel 62

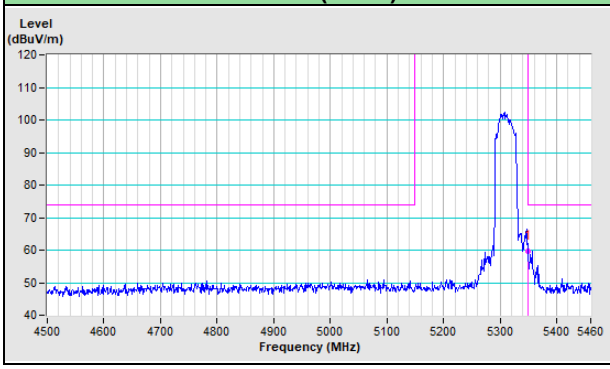
Horizontal (Peak)



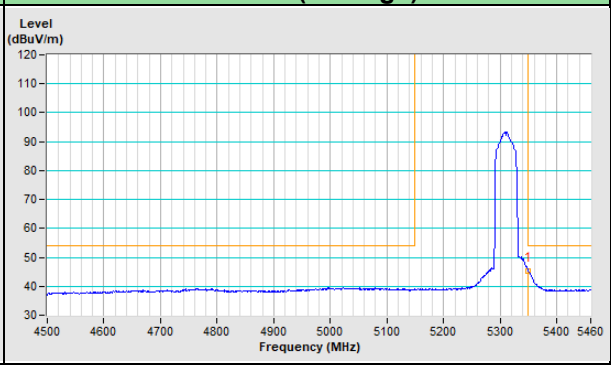
Horizontal (Average)

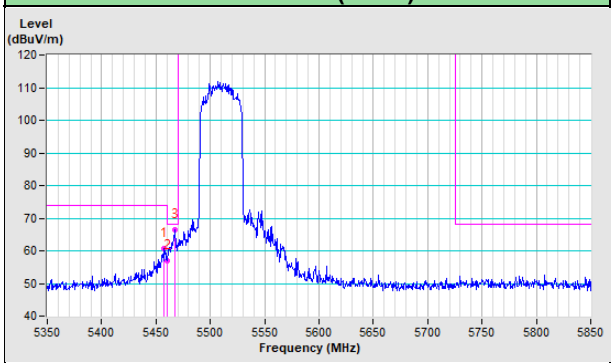
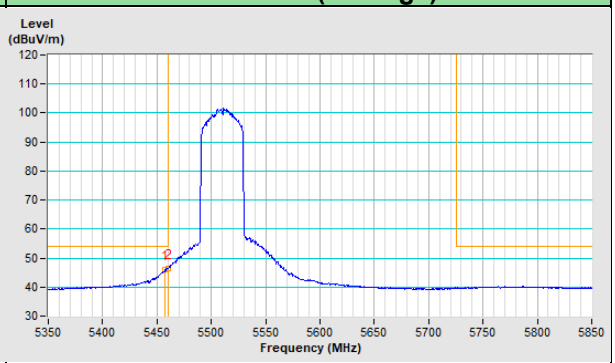
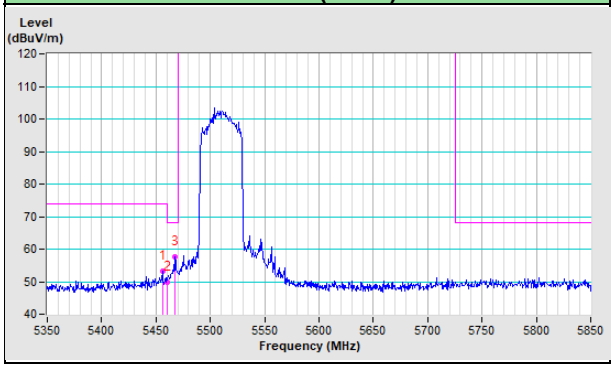
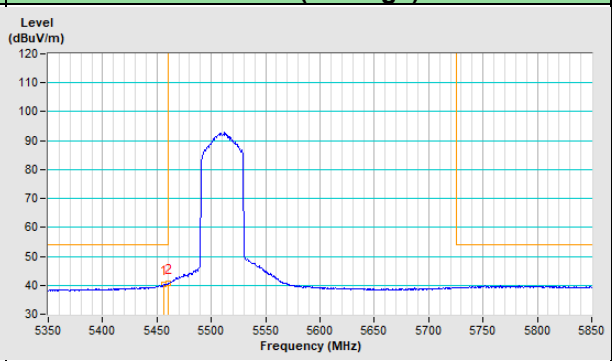


Vertical (Peak)



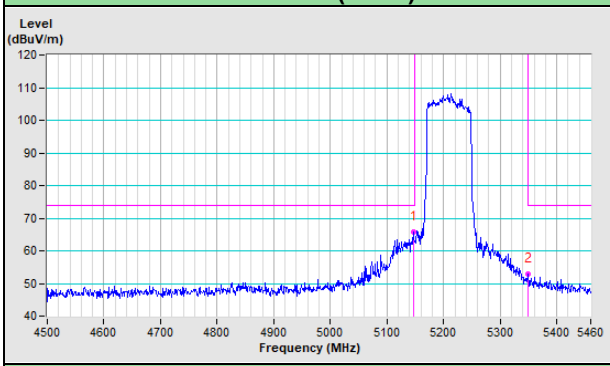
Vertical (Average)



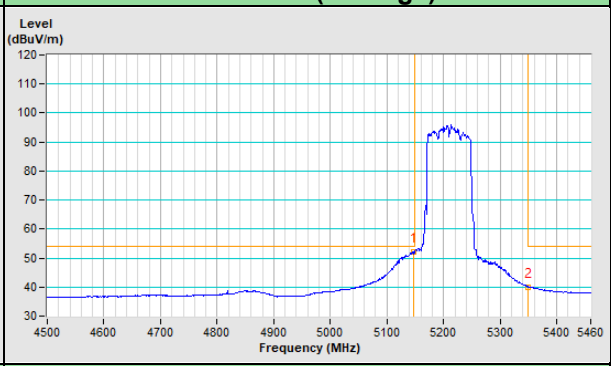
802.11ax (HE40) Channel 102	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE80) Channel 42

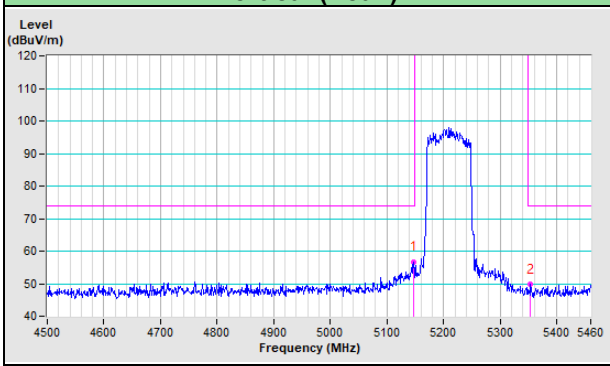
Horizontal (Peak)



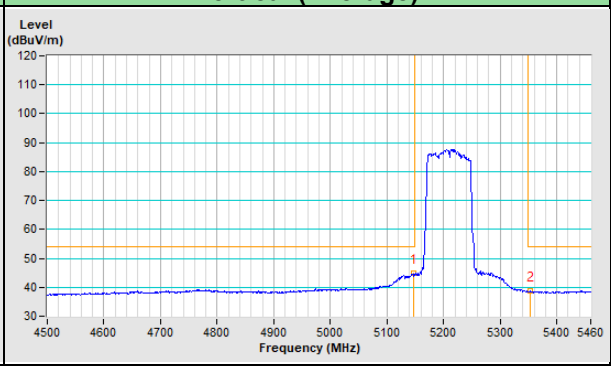
Horizontal (Average)



Vertical (Peak)

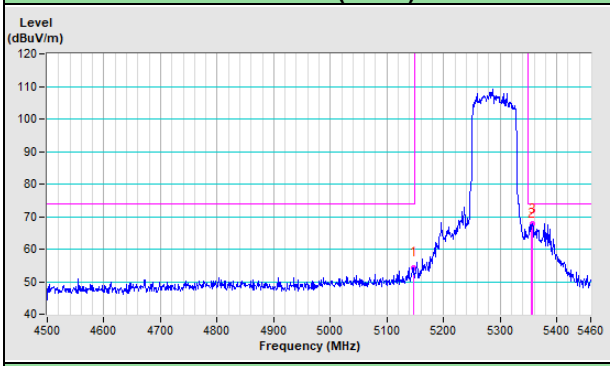


Vertical (Average)

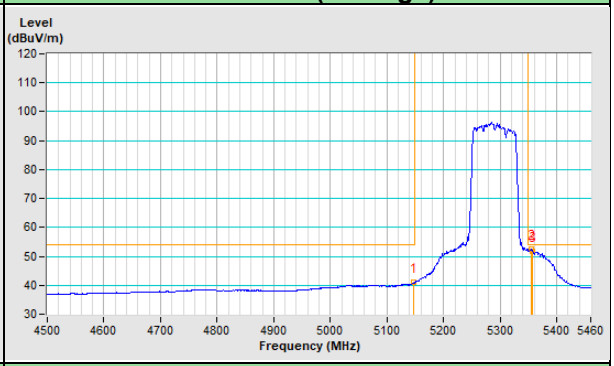


802.11ax (HE80) Channel 58

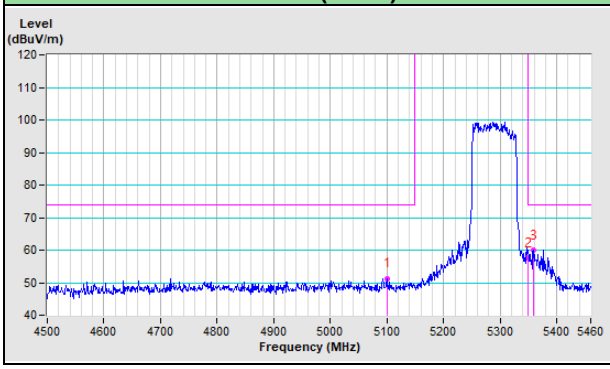
Horizontal (Peak)



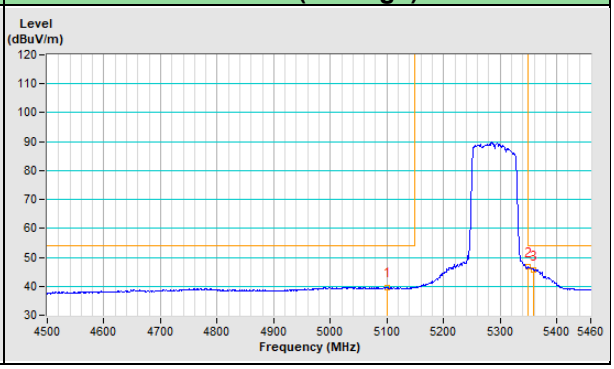
Horizontal (Average)

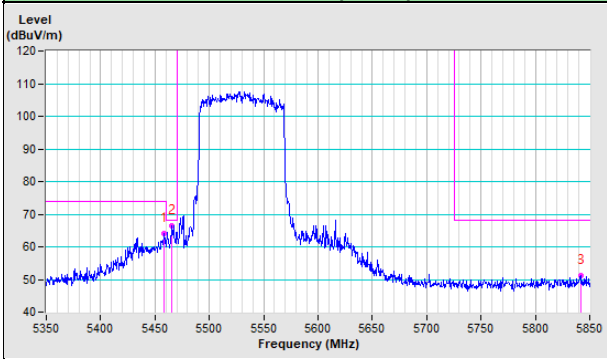
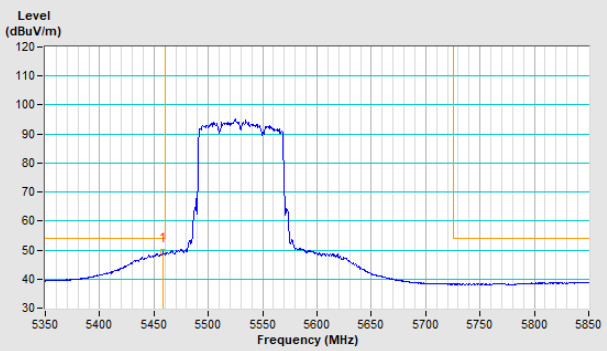
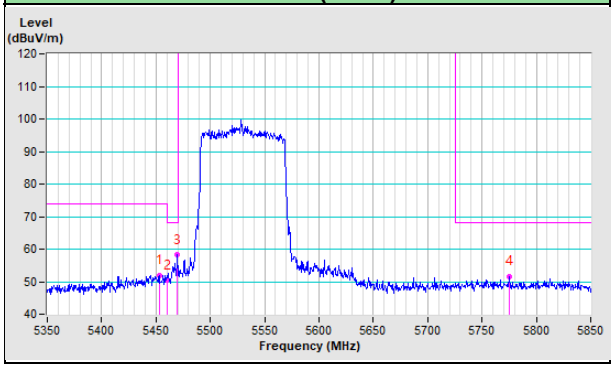
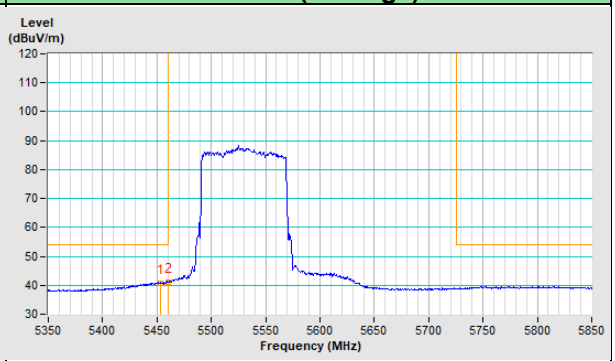


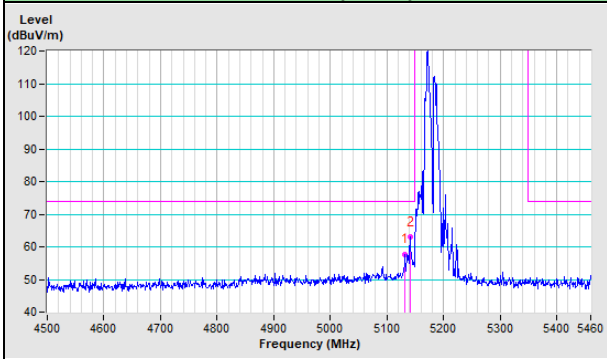
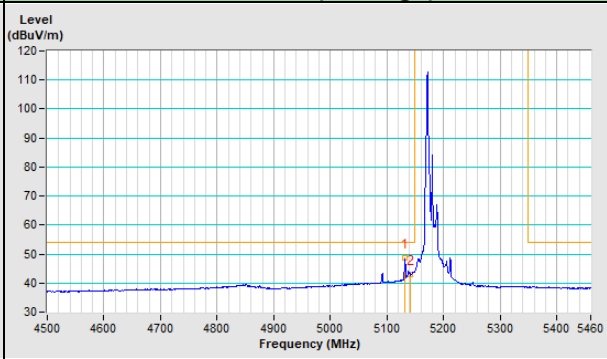
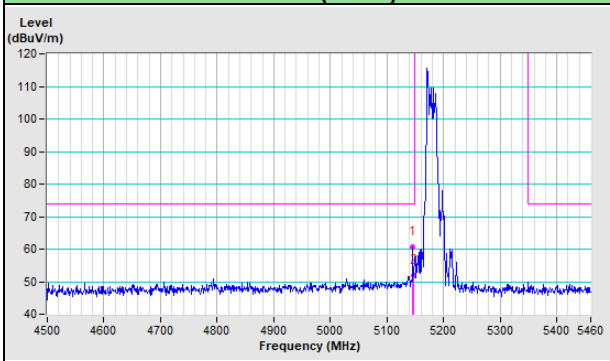
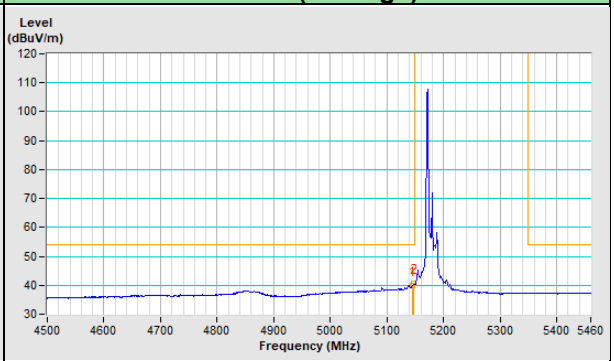
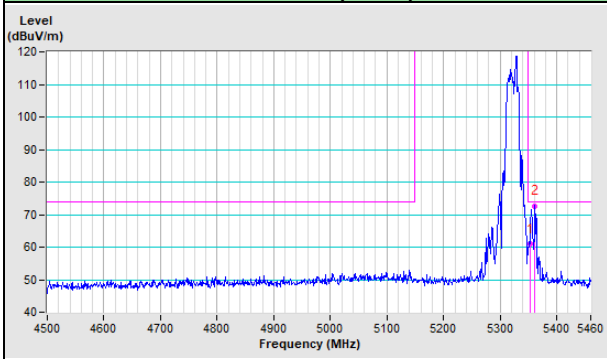
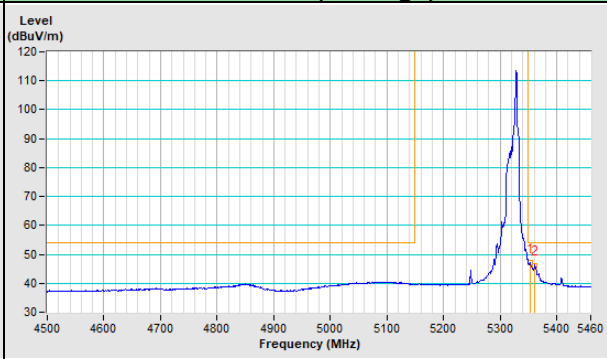
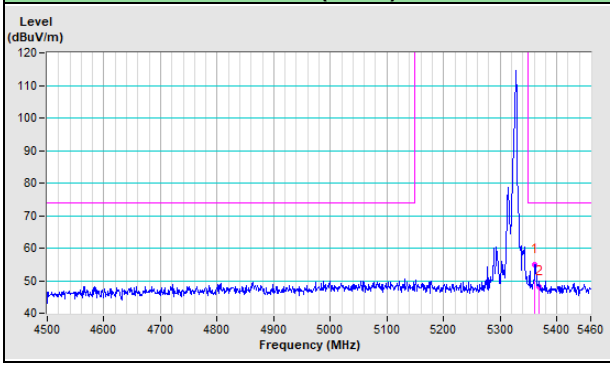
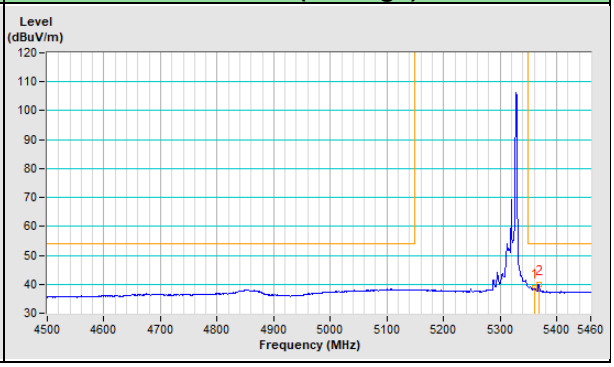
Vertical (Peak)

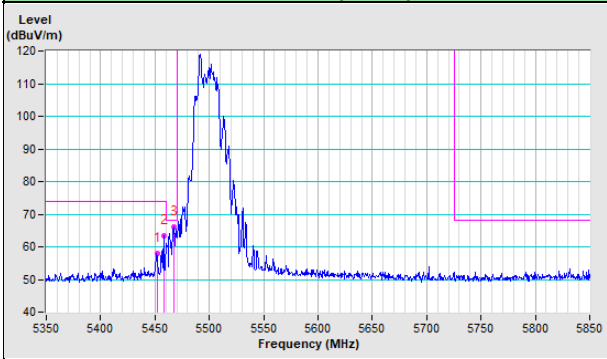
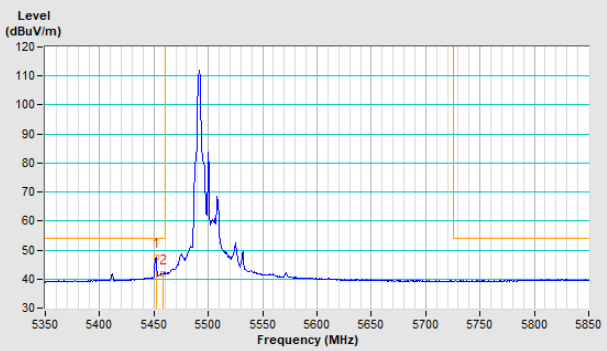
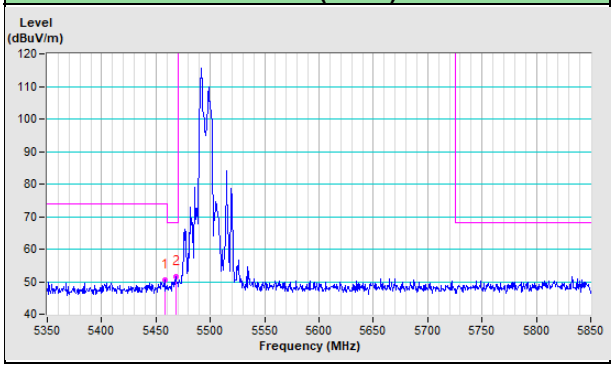
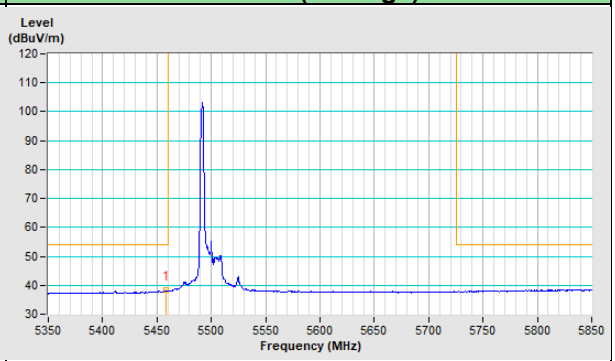


Vertical (Average)



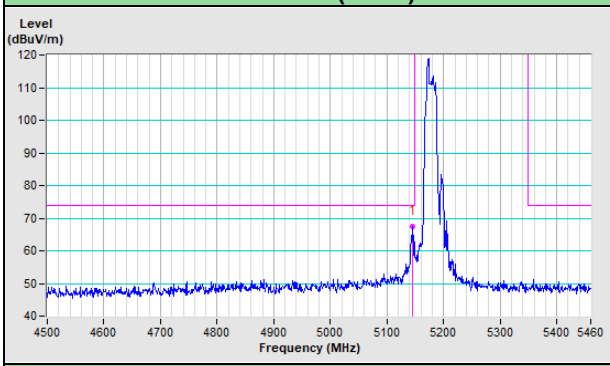
802.11ax (HE80) Channel 106	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

20MHz Preamble 802.11ax (RU26) Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
20MHz Preamble 802.11ax (RU26) Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

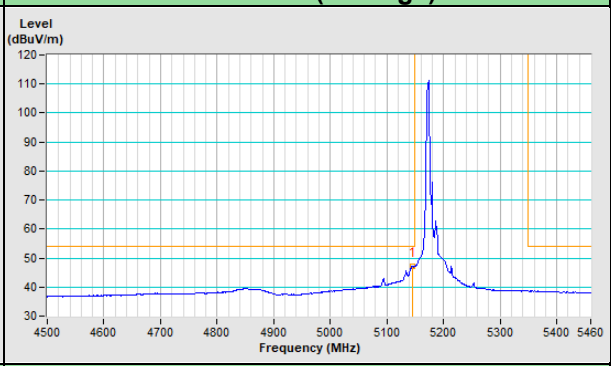
20MHz Preamble 802.11ax (RU26) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

20MHz Preamble 802.11ax (RU52) Channel 36

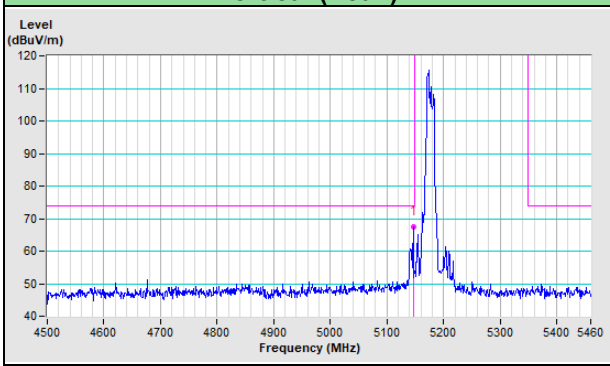
Horizontal (Peak)



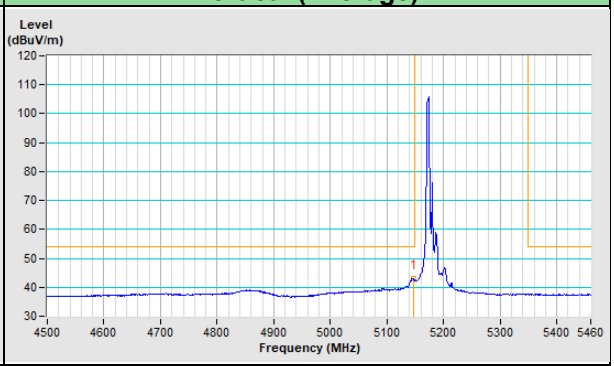
Horizontal (Average)



Vertical (Peak)

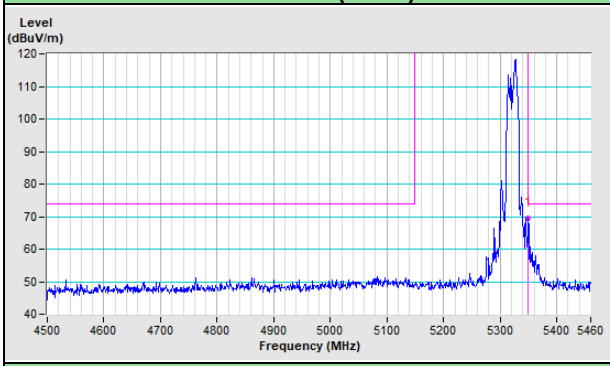


Vertical (Average)

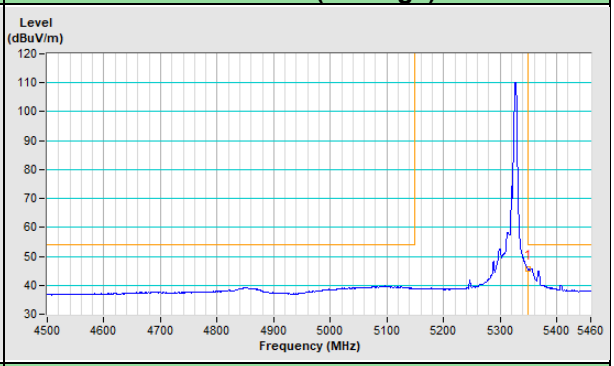


20MHz Preamble 802.11ax (RU52) Channel 64

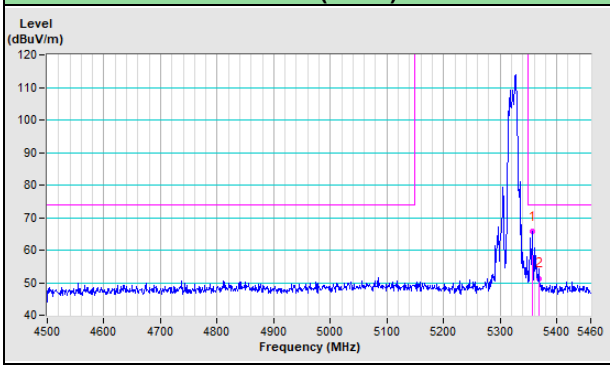
Horizontal (Peak)



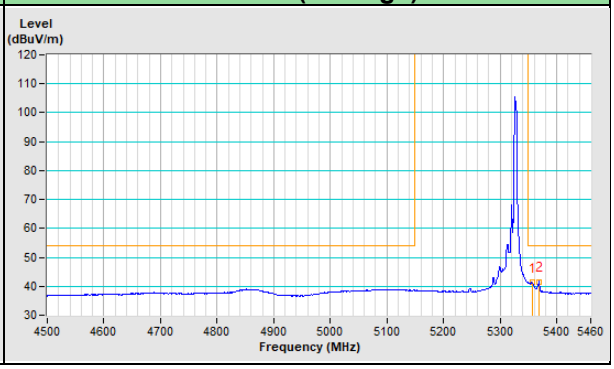
Horizontal (Average)

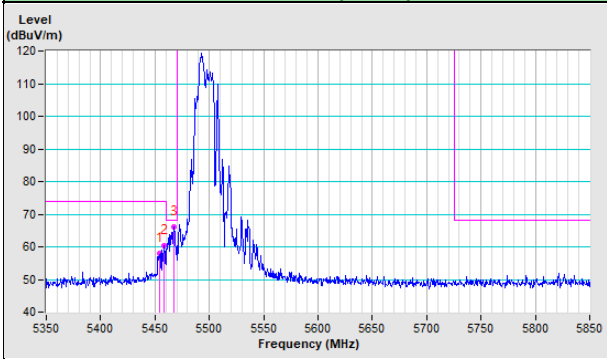
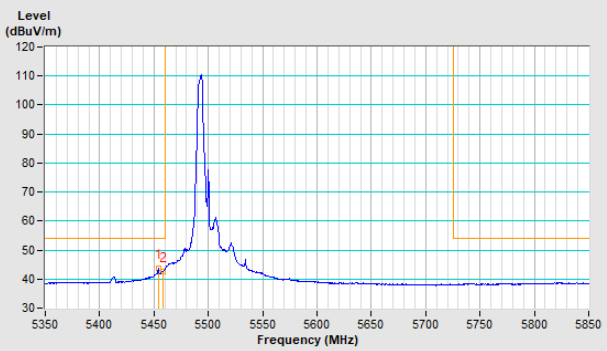
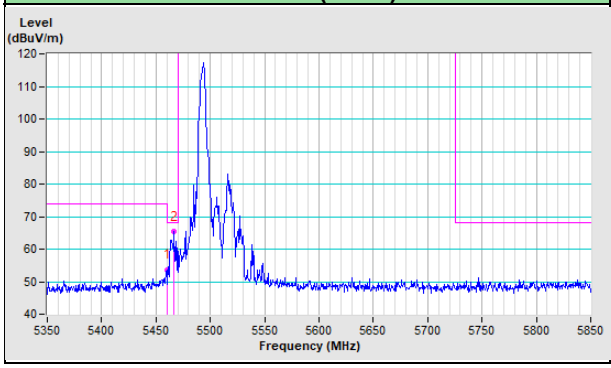
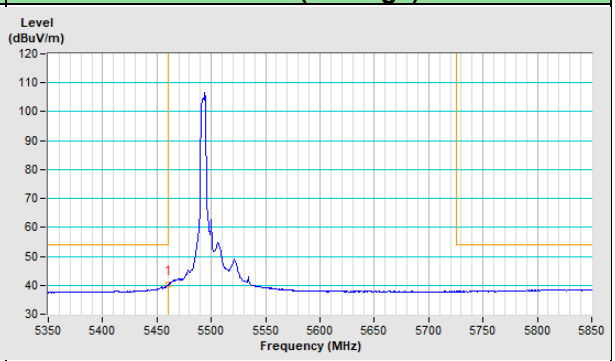


Vertical (Peak)



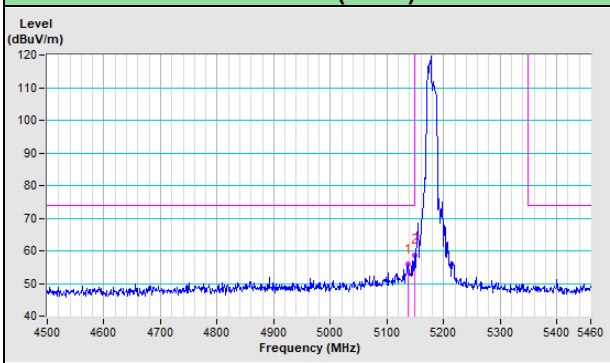
Vertical (Average)



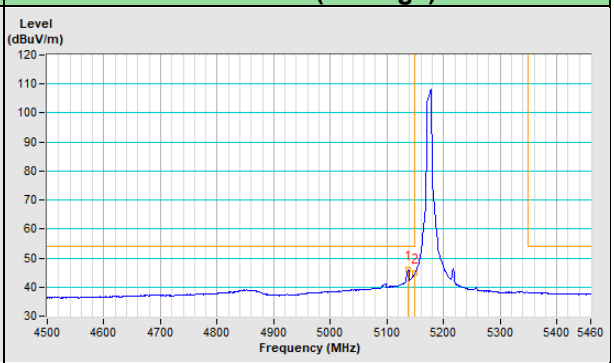
20MHz Preamble 802.11ax (RU52) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

20MHz Preamble 802.11ax (RU106) Channel 36

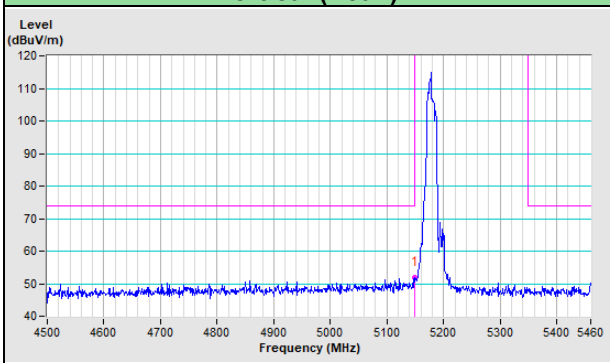
Horizontal (Peak)



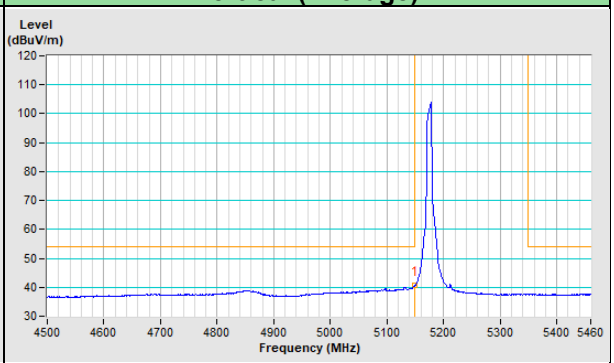
Horizontal (Average)



Vertical (Peak)

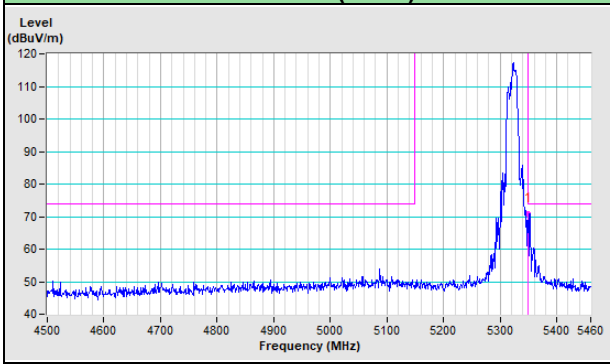


Vertical (Average)

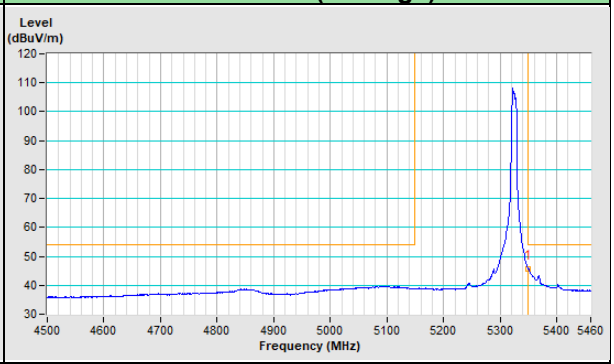


20MHz Preamble 802.11ax (RU106) Channel 64

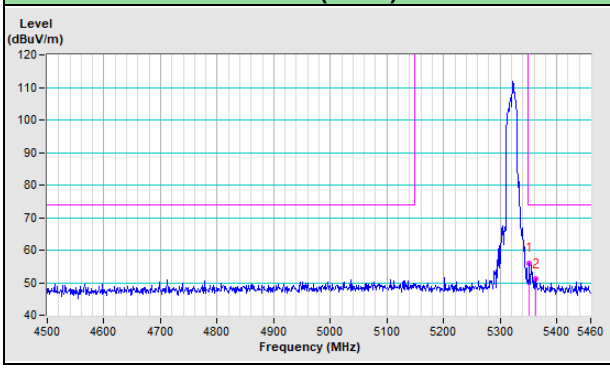
Horizontal (Peak)



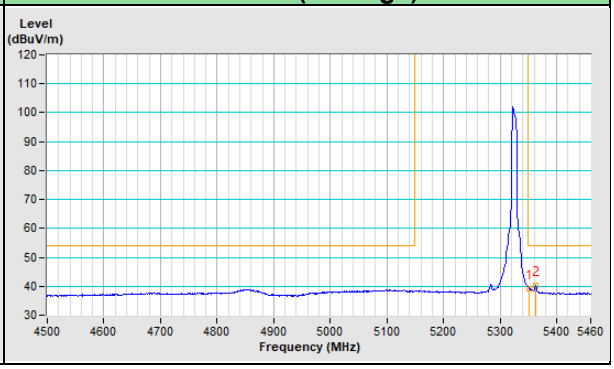
Horizontal (Average)

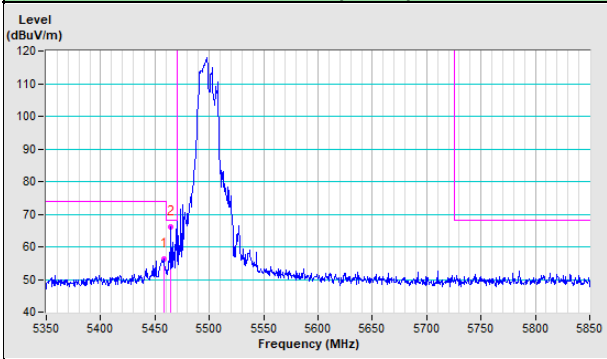
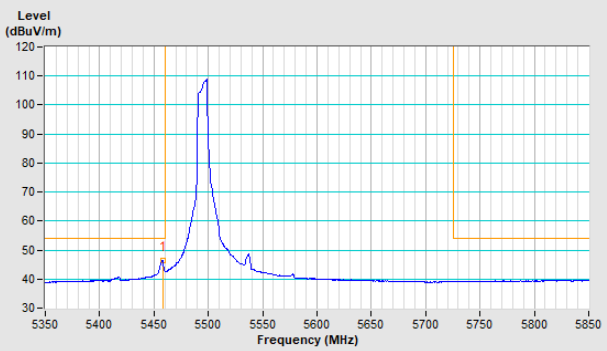
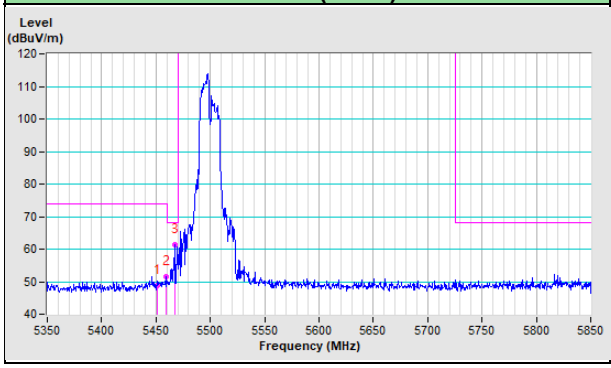
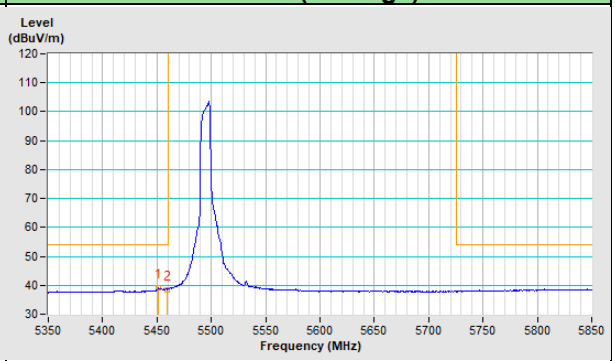


Vertical (Peak)



Vertical (Average)



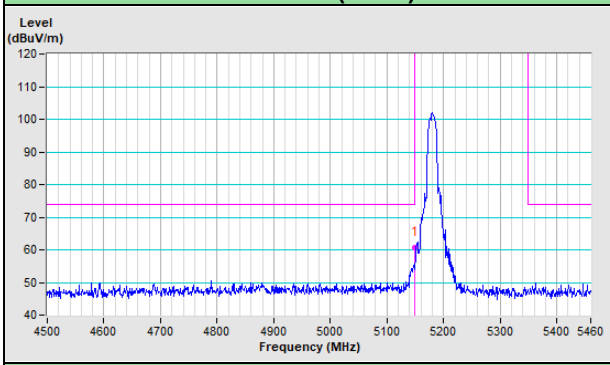
20MHz Preamble 802.11ax (RU106) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

Annex B.1 - Test Results (Mode 2)

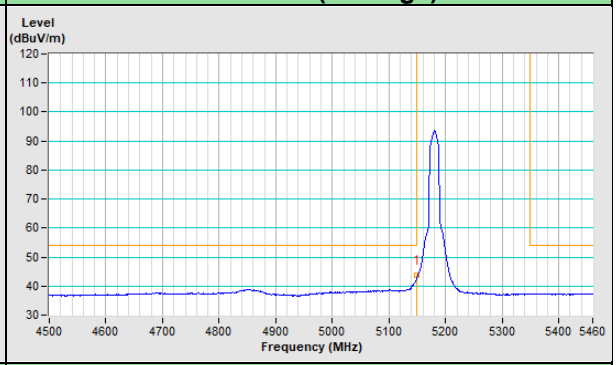
Dipole Antenna

802.11a Channel 36

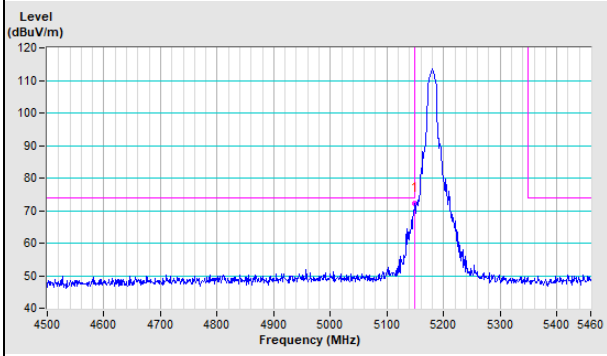
Horizontal (Peak)



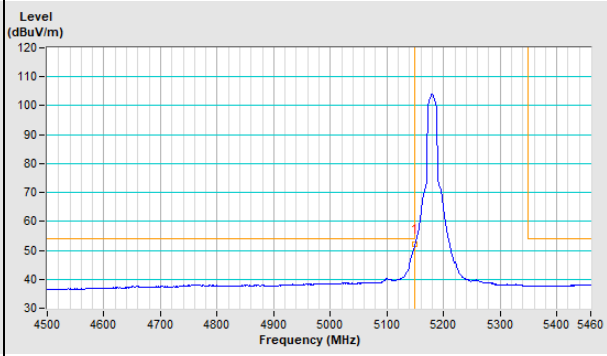
Horizontal (Average)



Vertical (Peak)

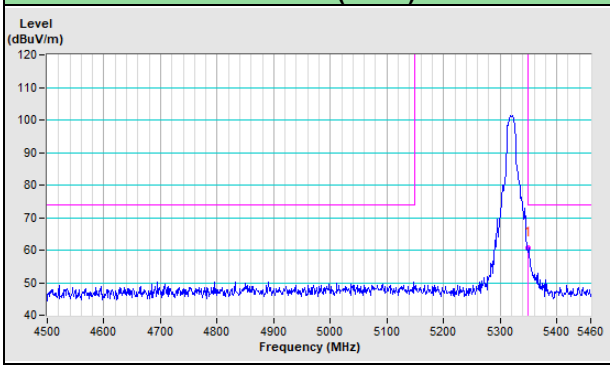


Vertical (Average)

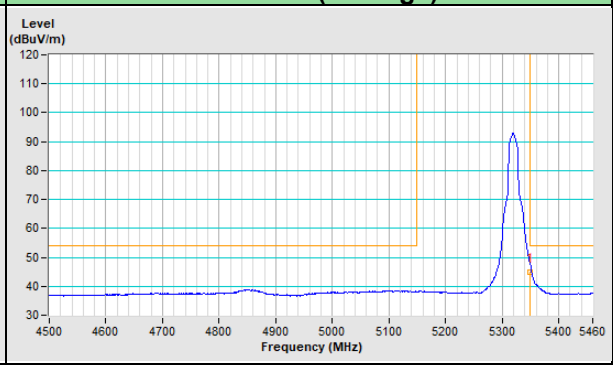


802.11a Channel 64

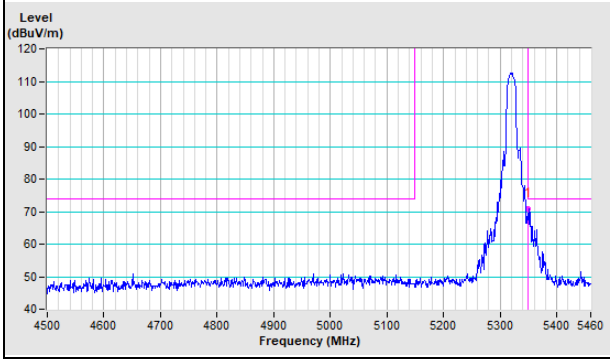
Horizontal (Peak)



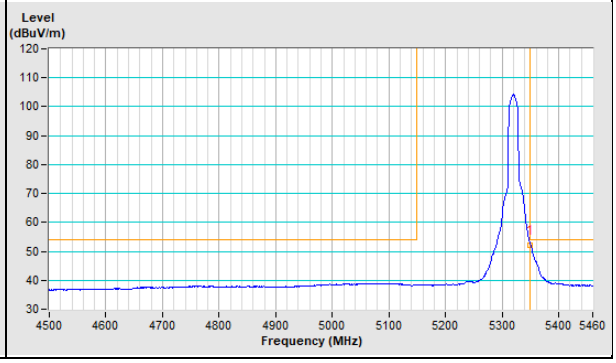
Horizontal (Average)

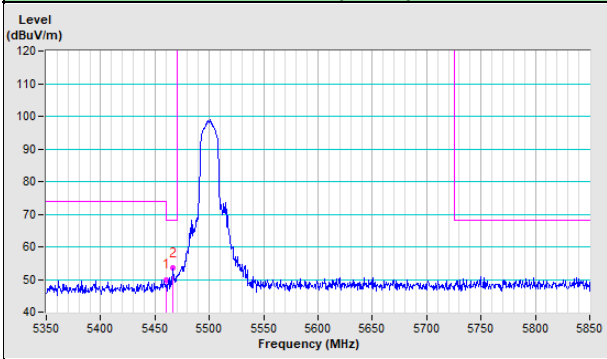
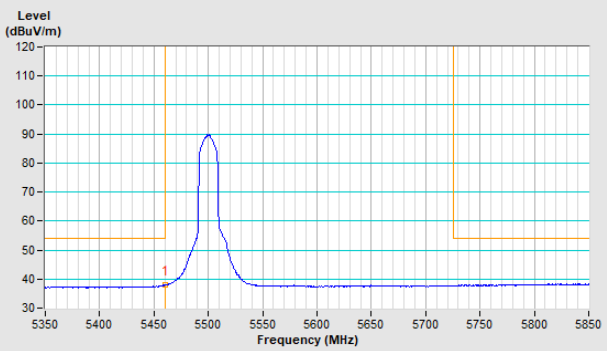
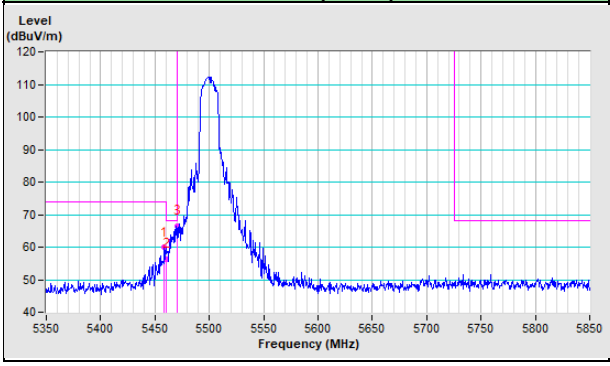
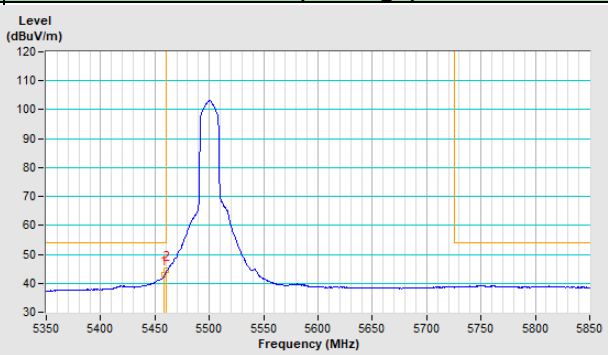


Vertical (Peak)



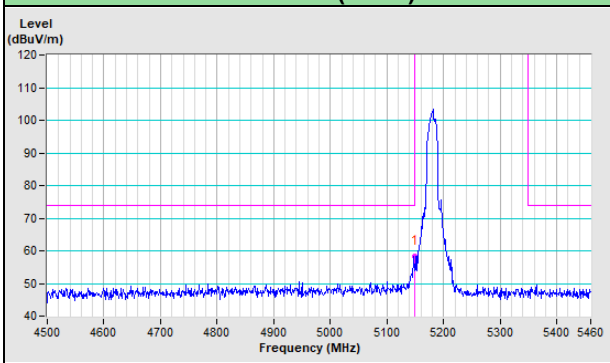
Vertical (Average)



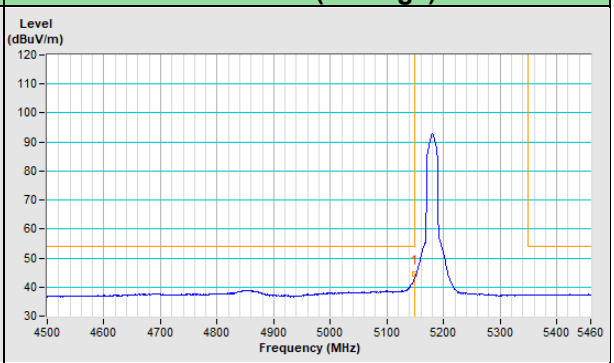
802.11a Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE20) Channel 36

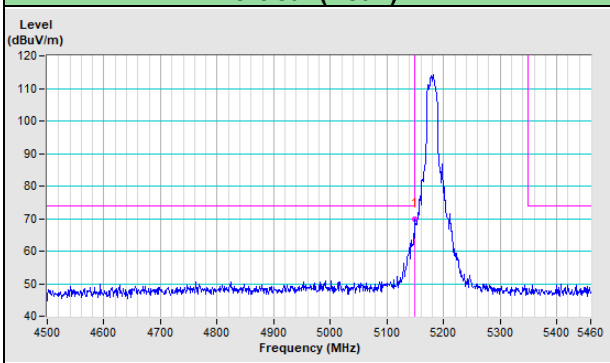
Horizontal (Peak)



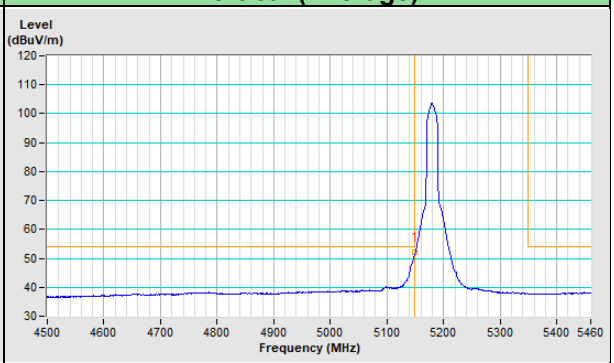
Horizontal (Average)



Vertical (Peak)

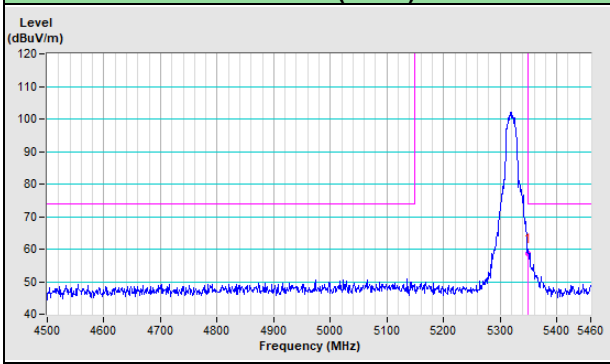


Vertical (Average)

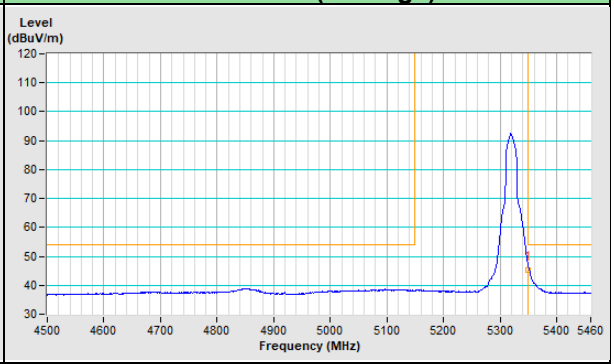


802.11ax (HE20) Channel 64

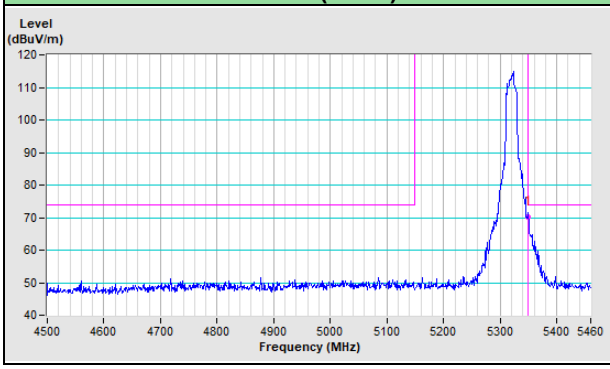
Horizontal (Peak)



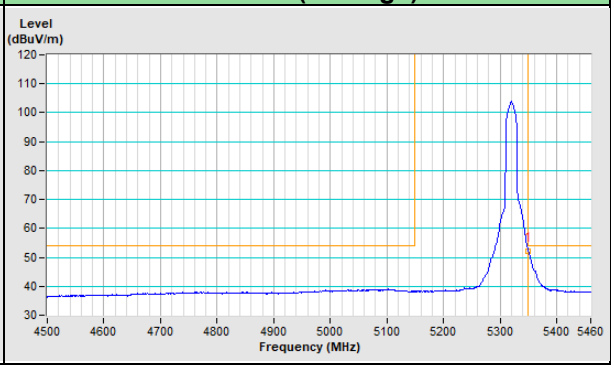
Horizontal (Average)

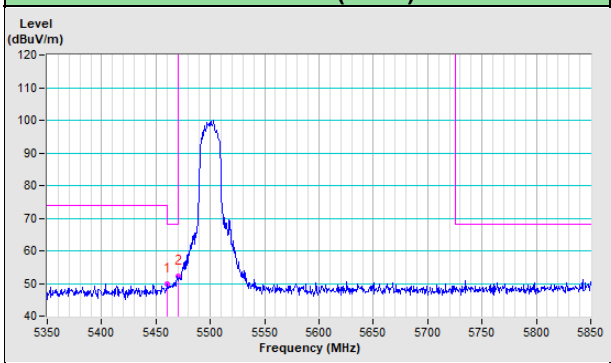
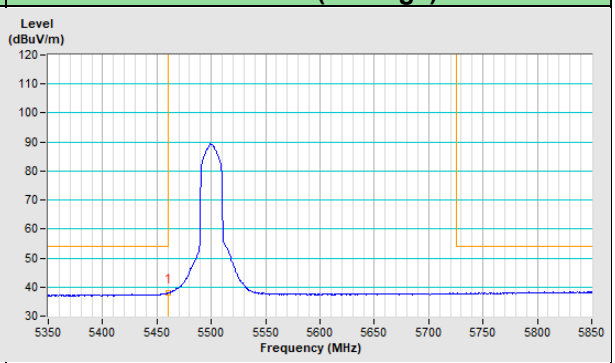
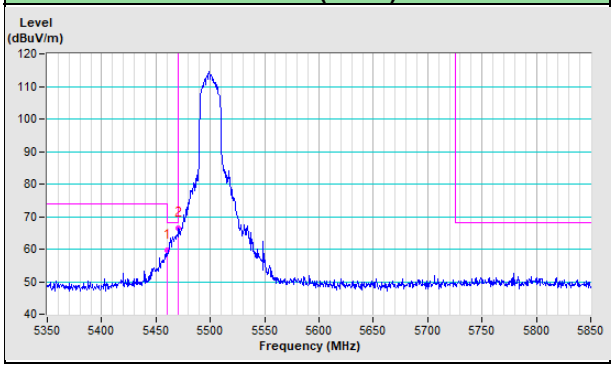
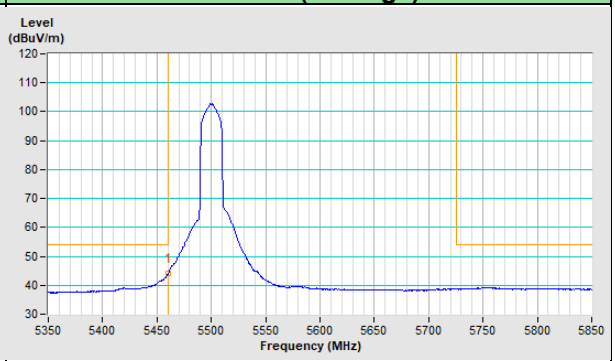


Vertical (Peak)



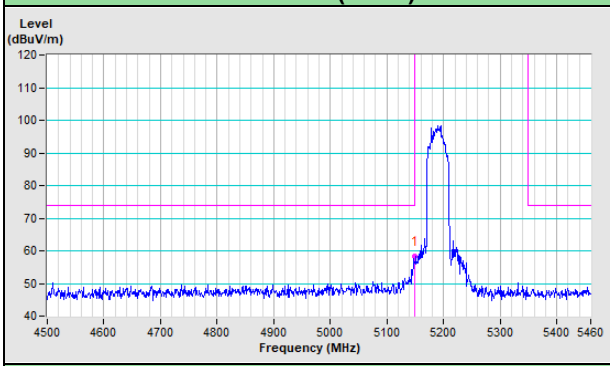
Vertical (Average)



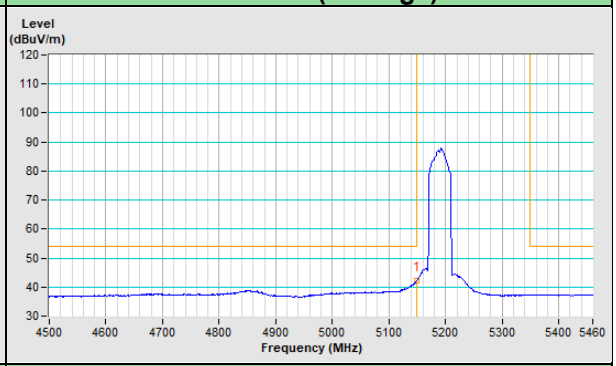
802.11ax (HE20) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE40) Channel 38

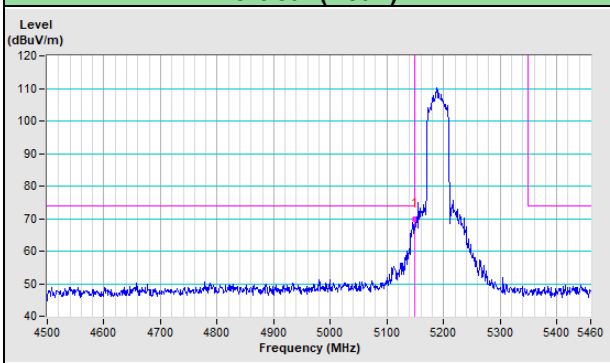
Horizontal (Peak)



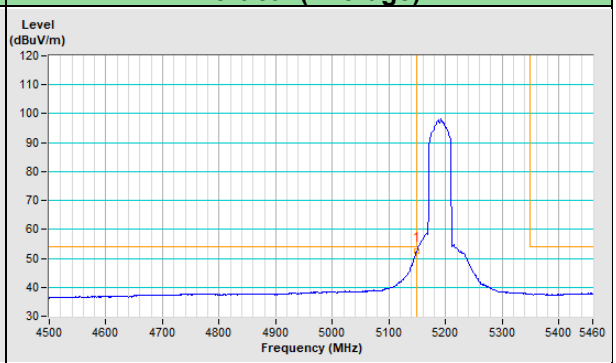
Horizontal (Average)



Vertical (Peak)

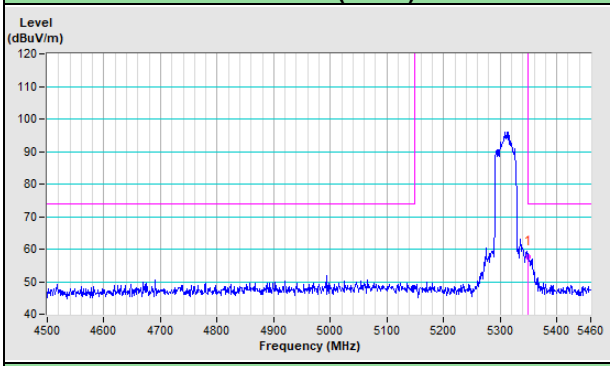


Vertical (Average)

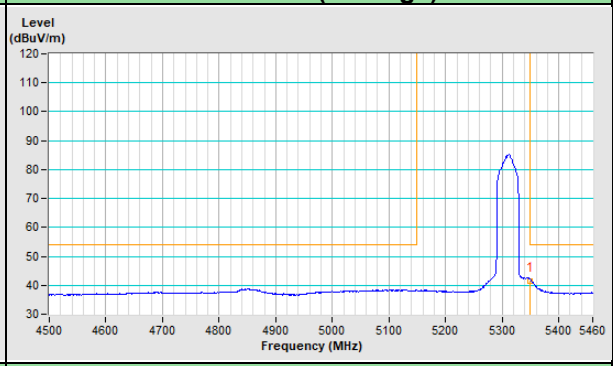


802.11ax (HE40) Channel 62

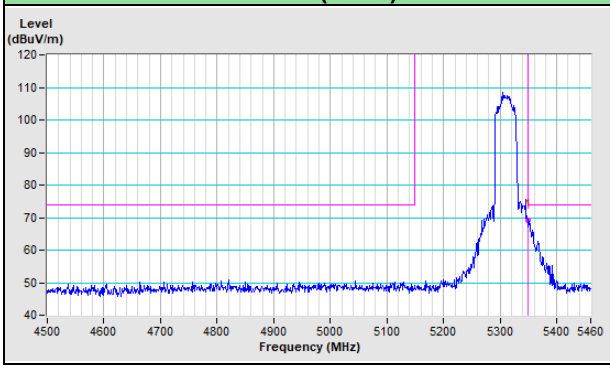
Horizontal (Peak)



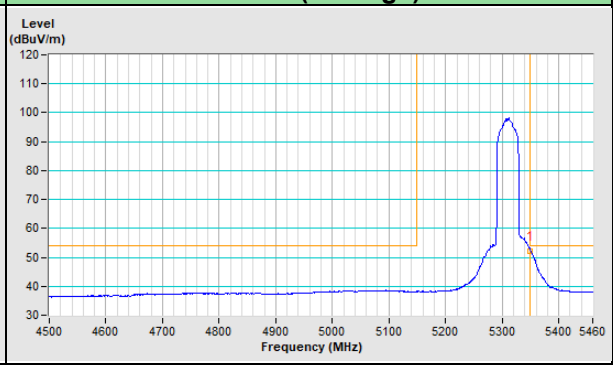
Horizontal (Average)

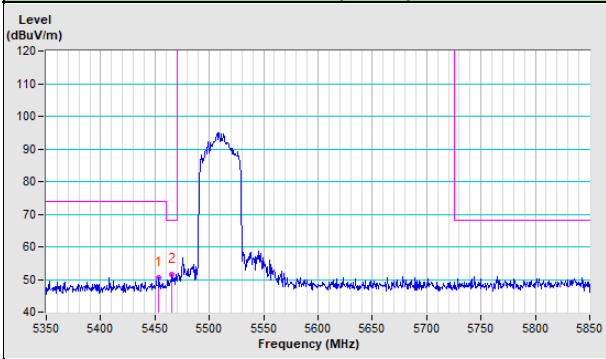
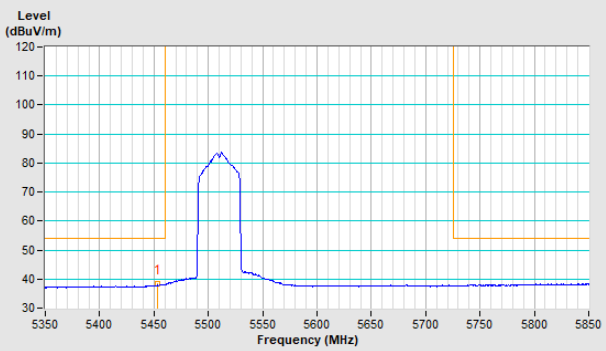
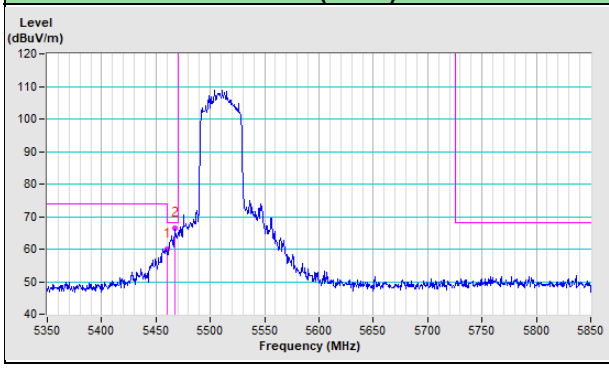
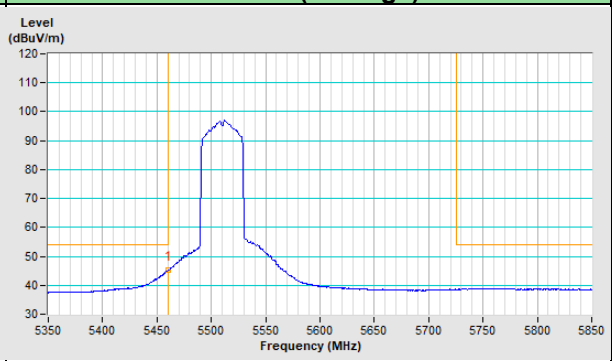


Vertical (Peak)



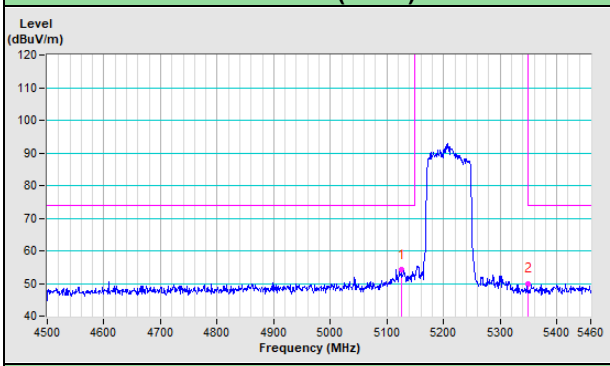
Vertical (Average)



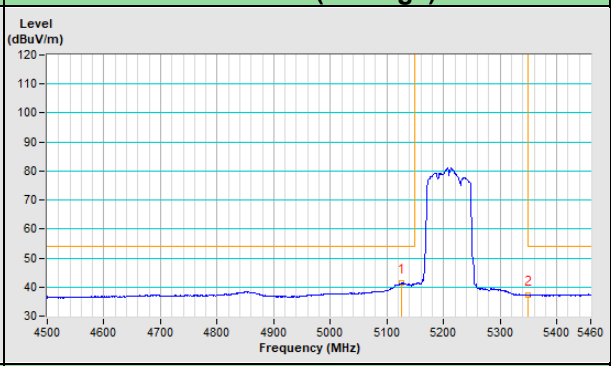
802.11ax (HE40) Channel 102	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE80) Channel 42

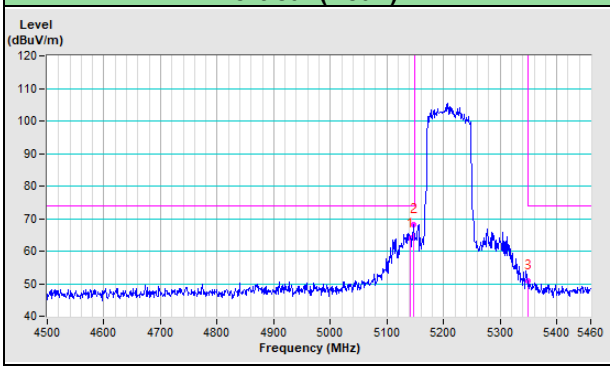
Horizontal (Peak)



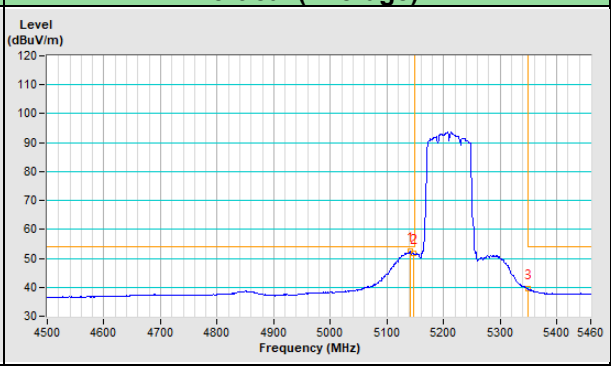
Horizontal (Average)



Vertical (Peak)

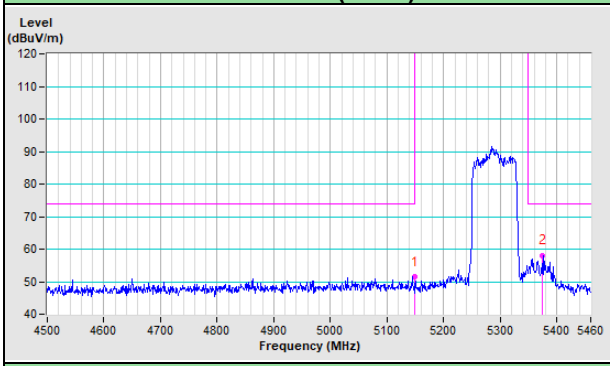


Vertical (Average)

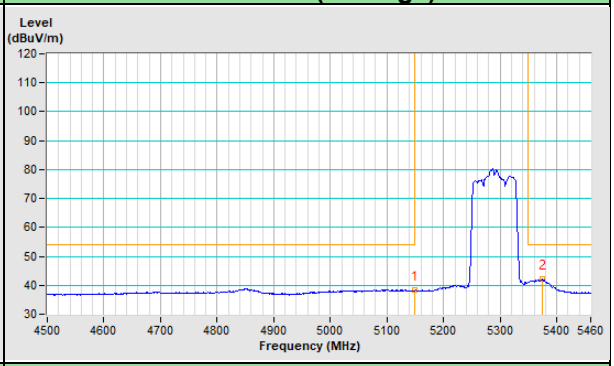


802.11ax (HE80) Channel 58

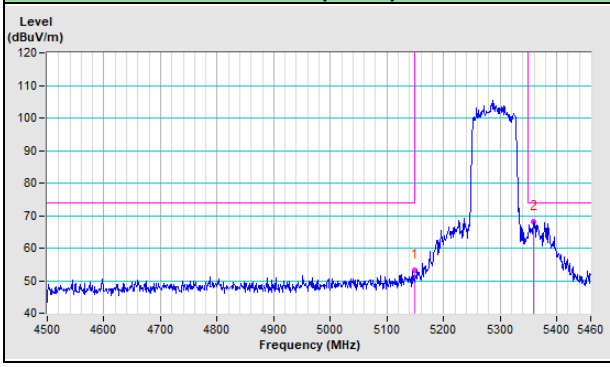
Horizontal (Peak)



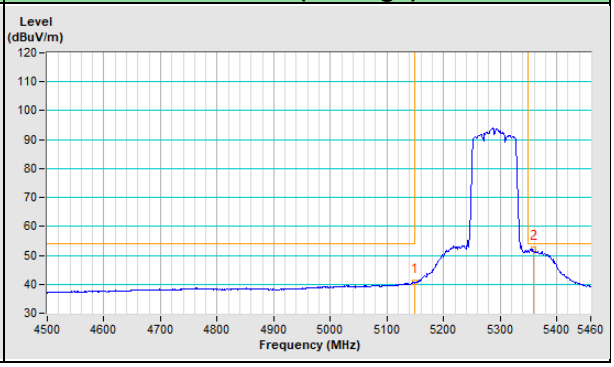
Horizontal (Average)

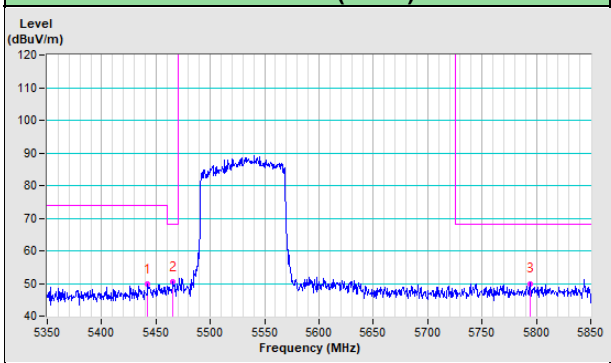
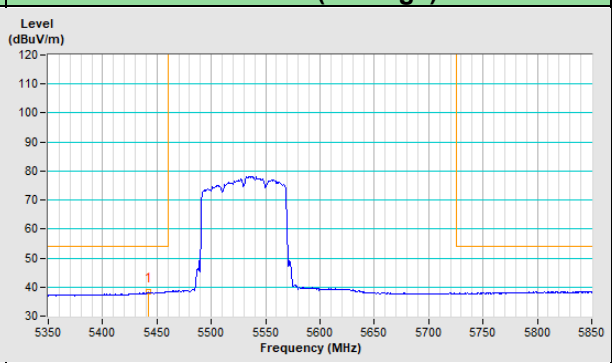
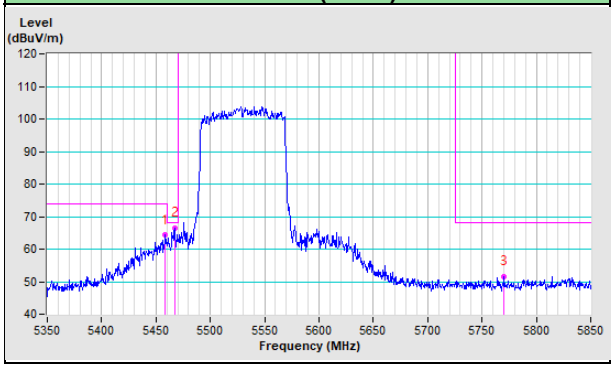
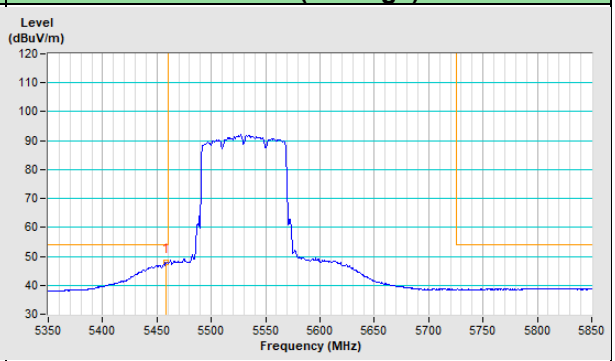


Vertical (Peak)



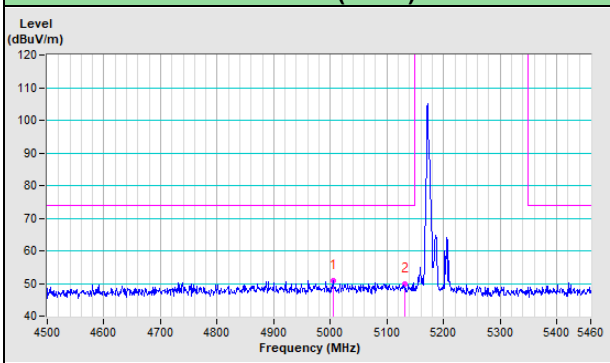
Vertical (Average)



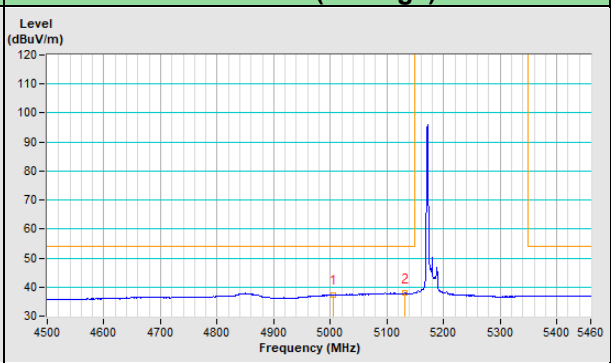
802.11ax (HE80) Channel 106	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

20MHz Preamble 802.11ax (RU26) Channel 36

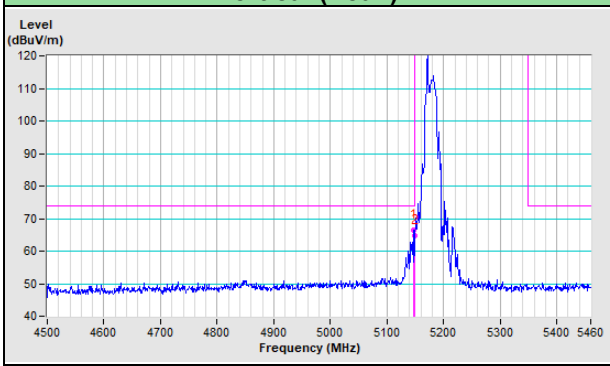
Horizontal (Peak)



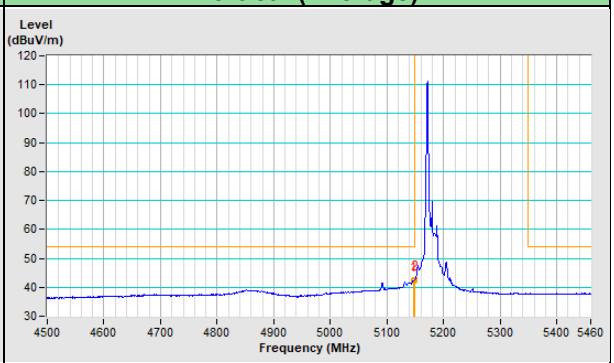
Horizontal (Average)



Vertical (Peak)

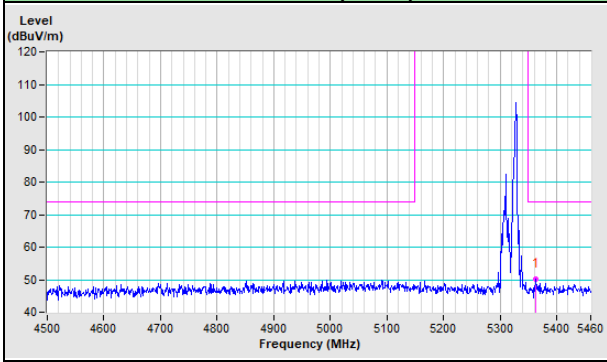


Vertical (Average)

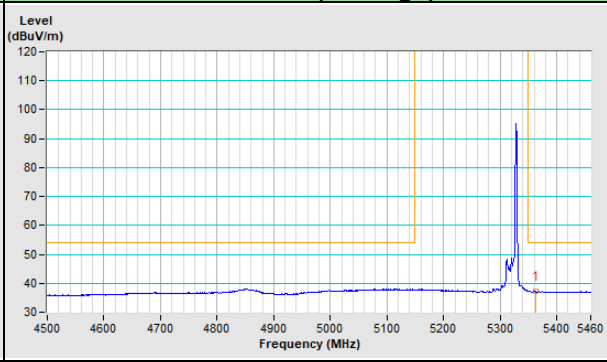


20MHz Preamble 802.11ax (RU26) Channel 64

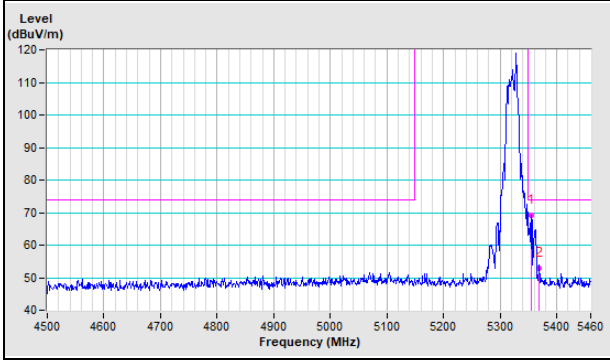
Horizontal (Peak)



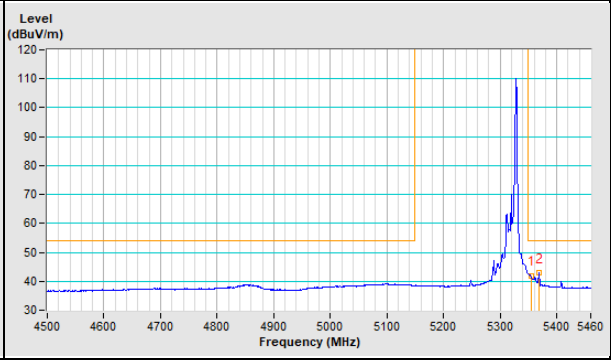
Horizontal (Average)

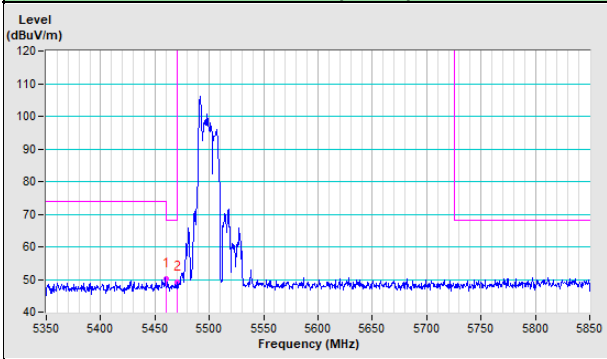
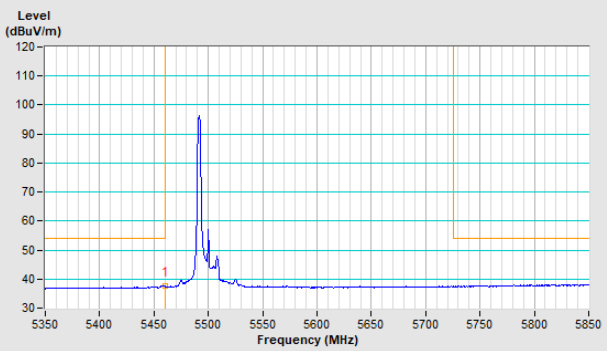
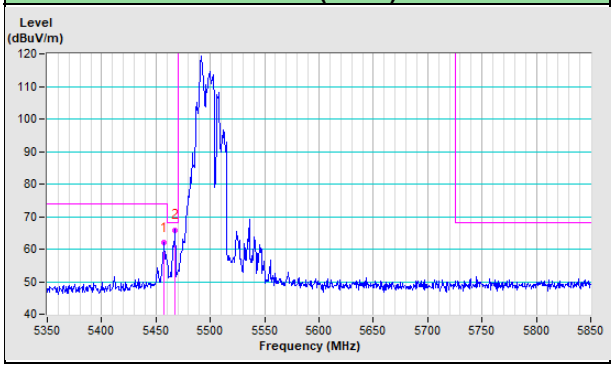
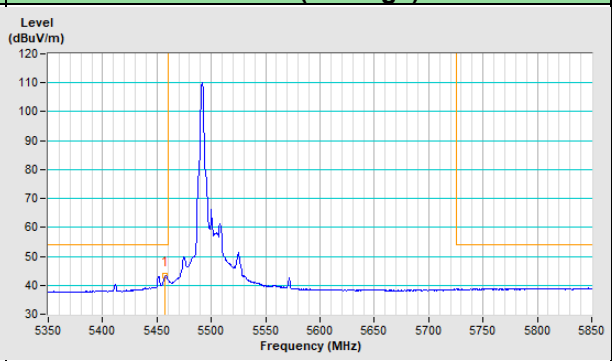


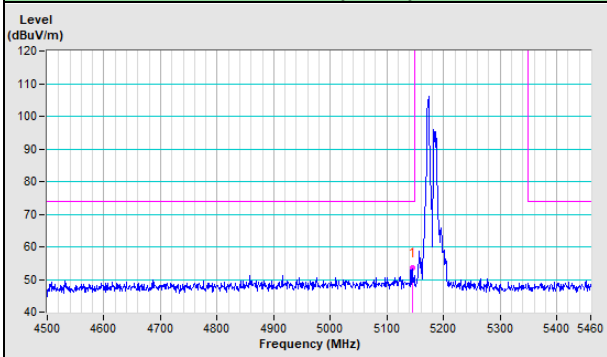
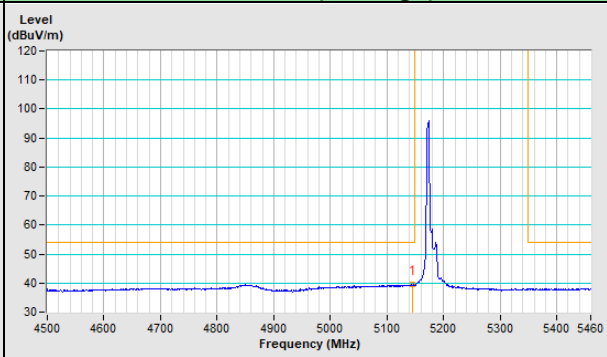
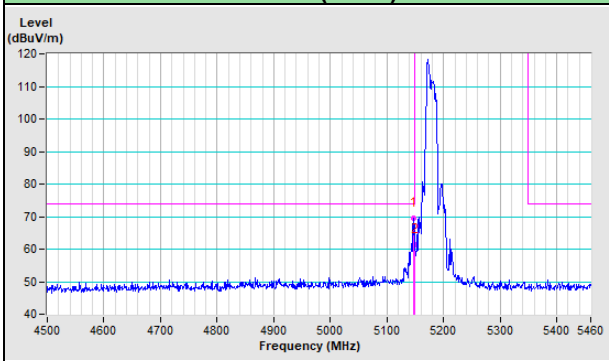
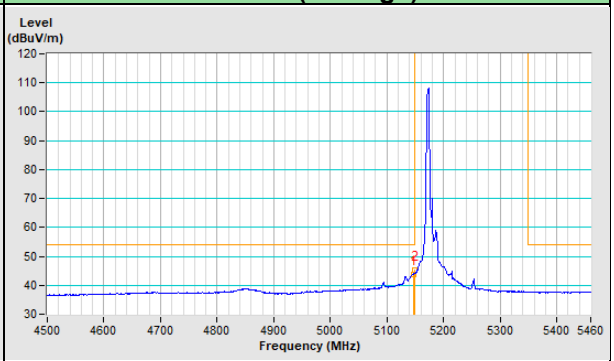
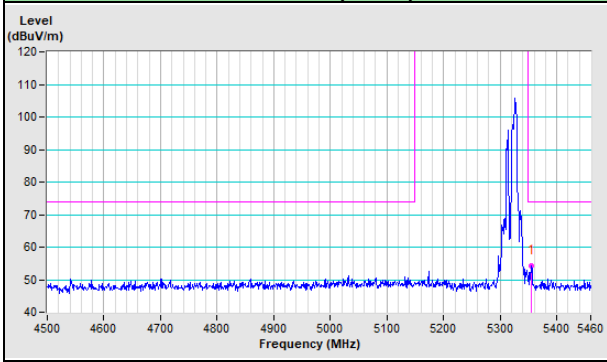
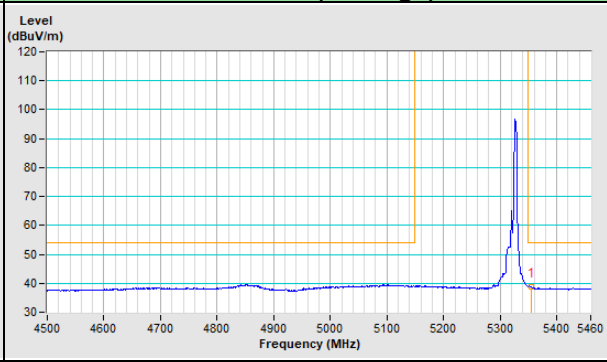
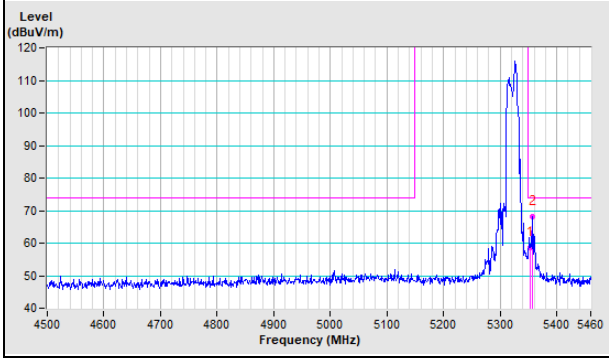
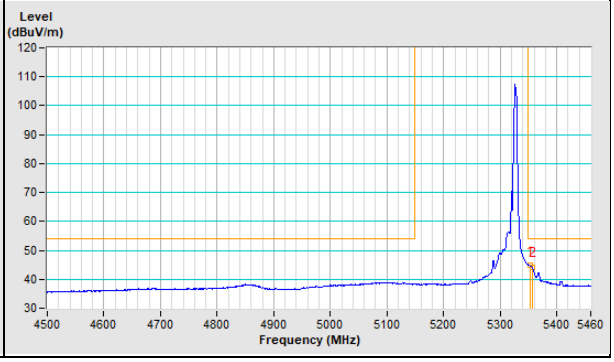
Vertical (Peak)

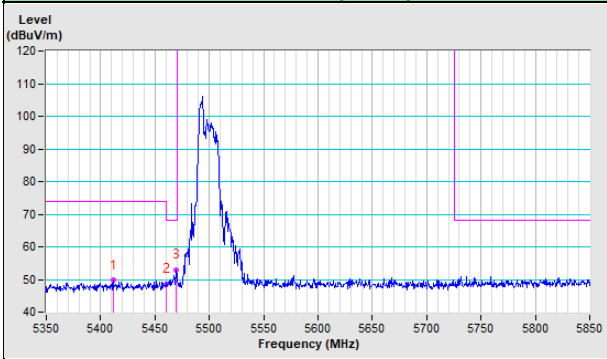
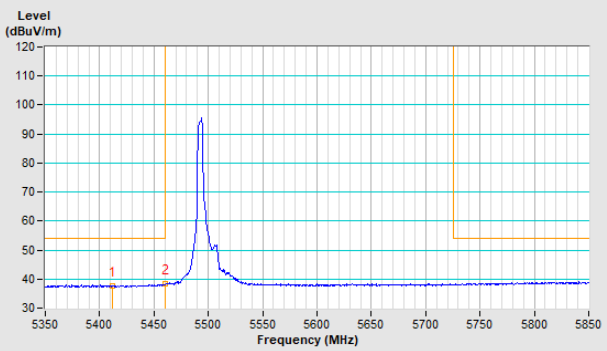
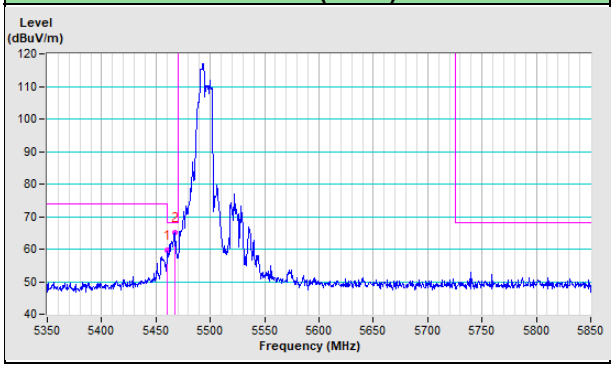
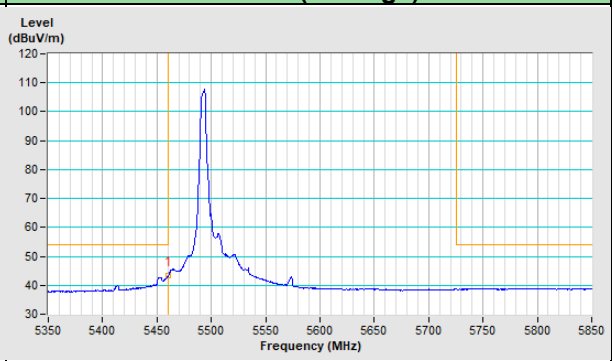


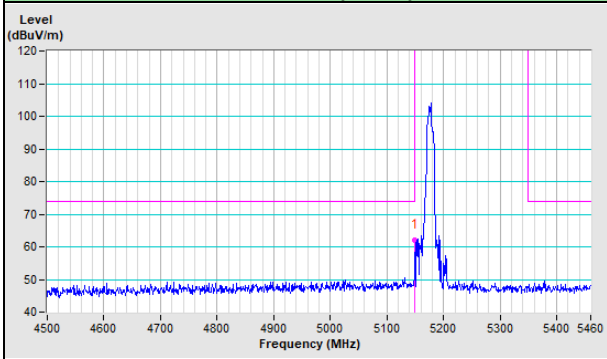
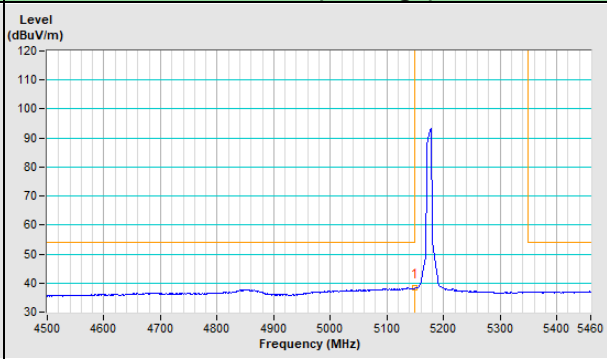
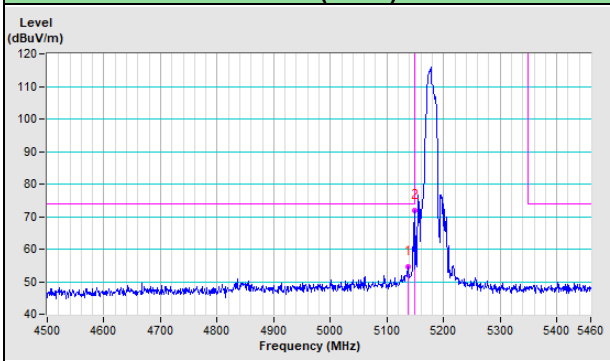
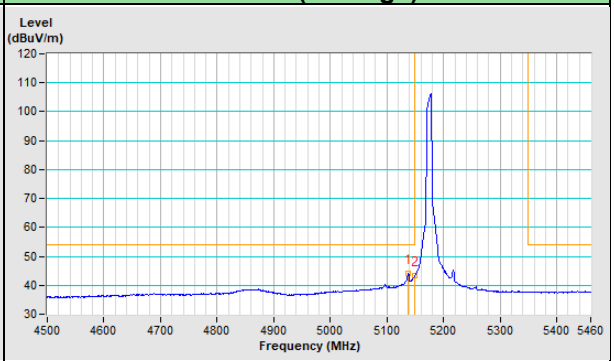
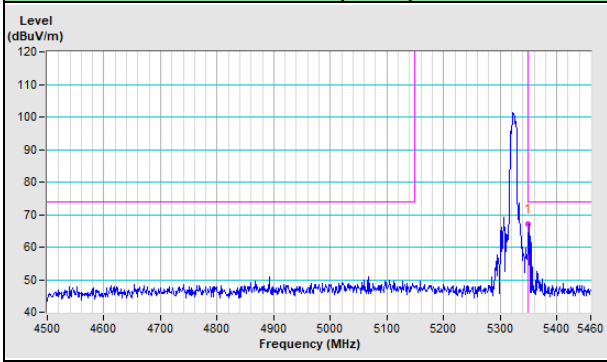
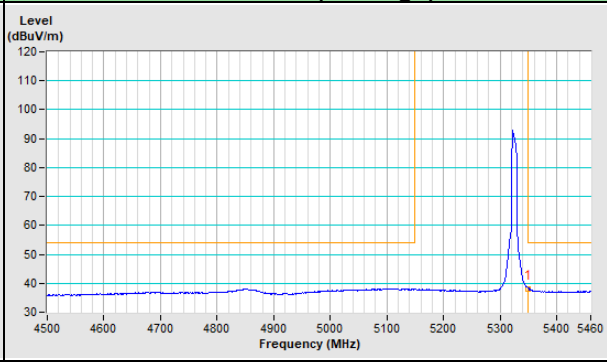
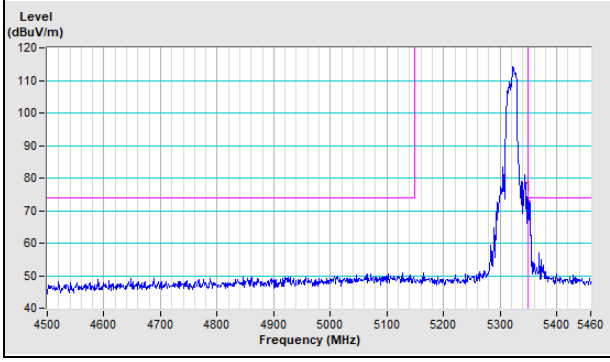
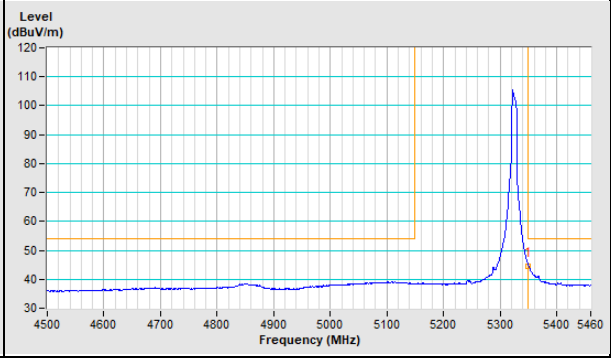
Vertical (Average)

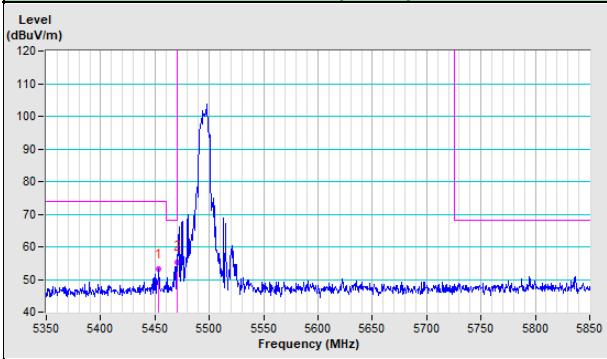
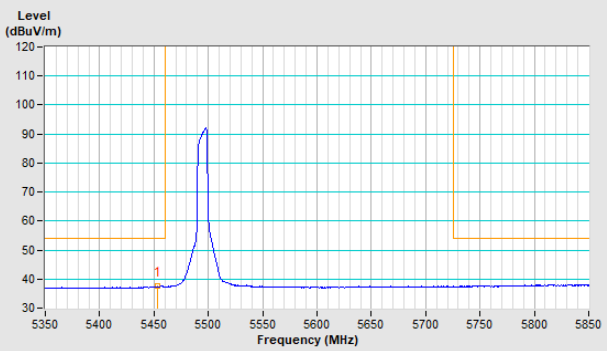
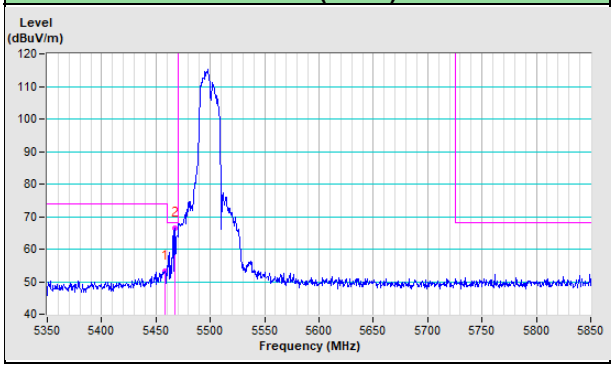
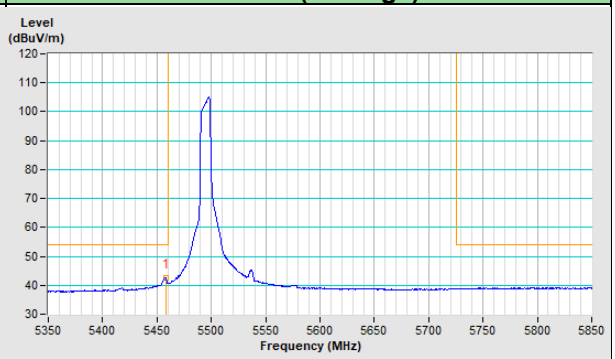


20MHz Preamble 802.11ax (RU26) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

20MHz Preamble 802.11ax (RU52) Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
20MHz Preamble 802.11ax (RU52) Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

20MHz Preamble 802.11ax (RU52) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

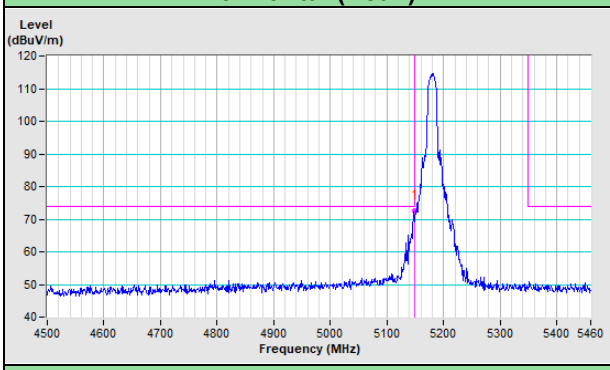
20MHz Preamble 802.11ax (RU106) Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
20MHz Preamble 802.11ax (RU106) Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

20MHz Preamble 802.11ax (RU106) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

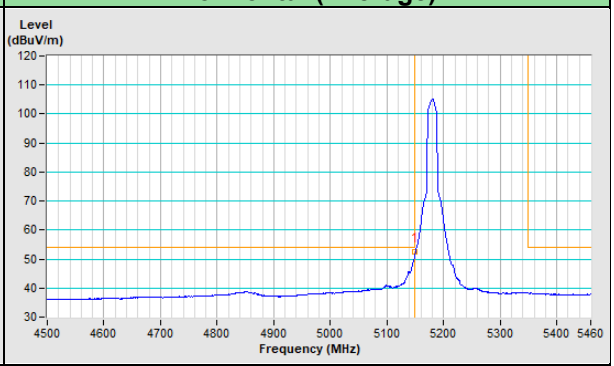
PIFA Antenna

802.11a Channel 36

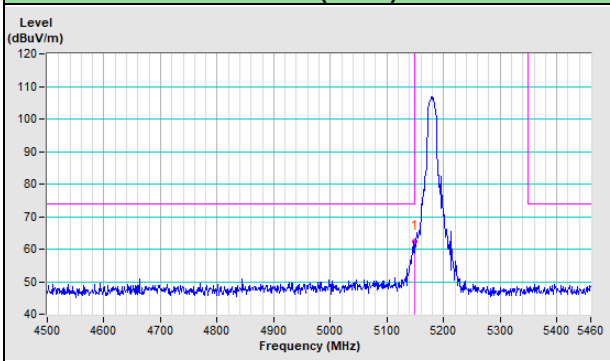
Horizontal (Peak)



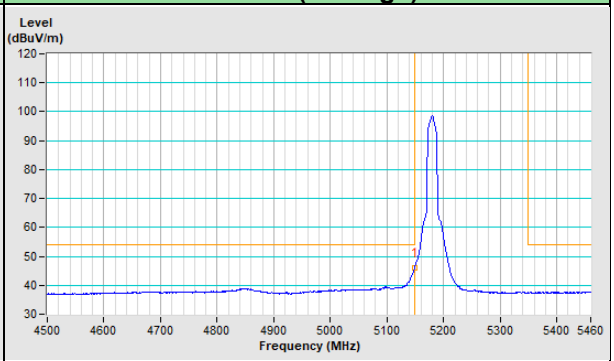
Horizontal (Average)



Vertical (Peak)

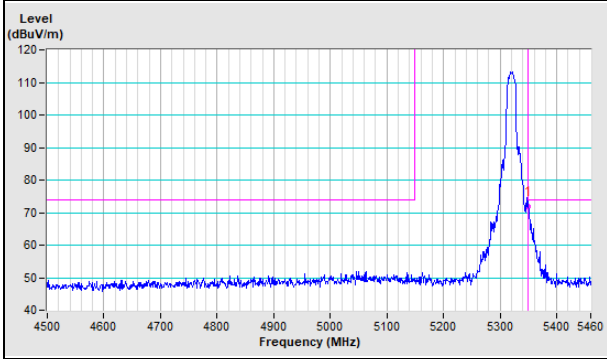


Vertical (Average)

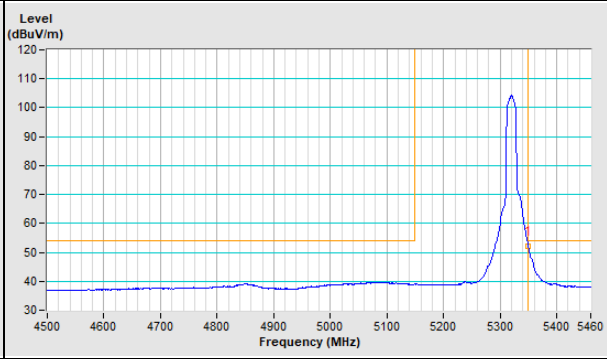


802.11a Channel 64

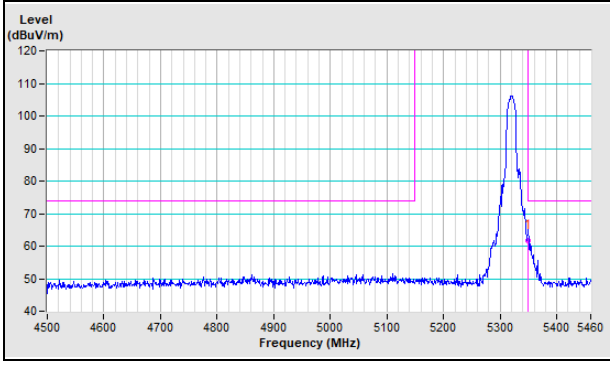
Horizontal (Peak)



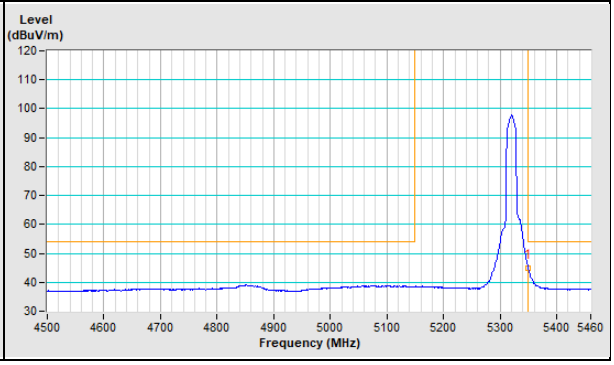
Horizontal (Average)

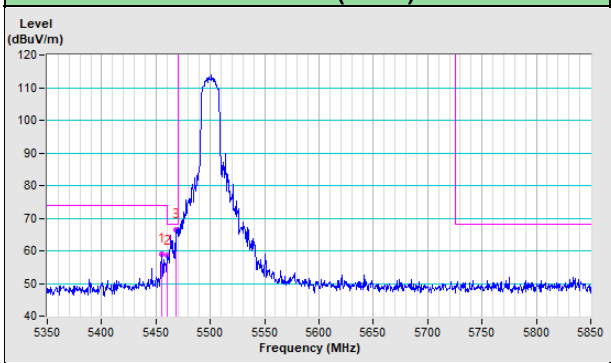
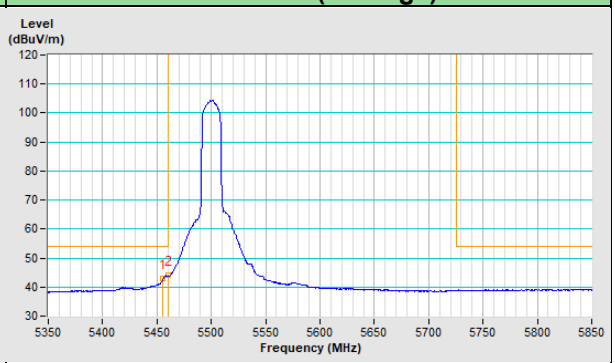
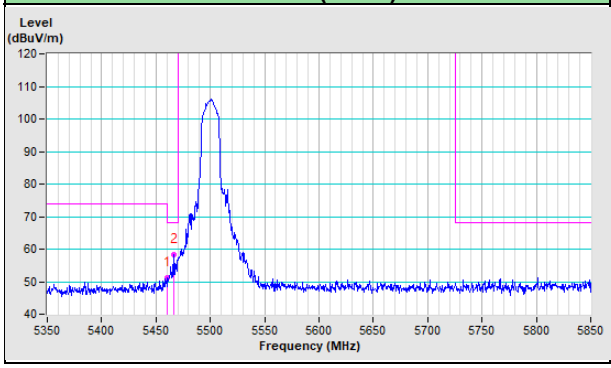
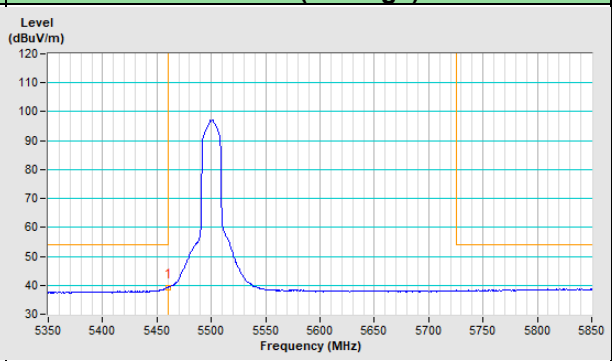


Vertical (Peak)



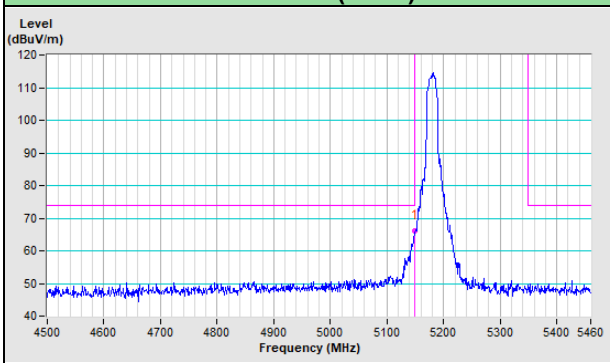
Vertical (Average)



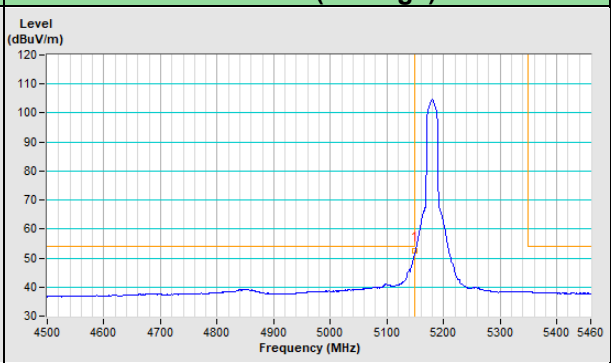
802.11a Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE20) Channel 36

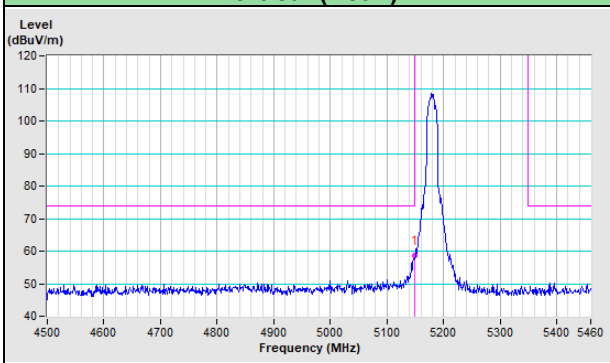
Horizontal (Peak)



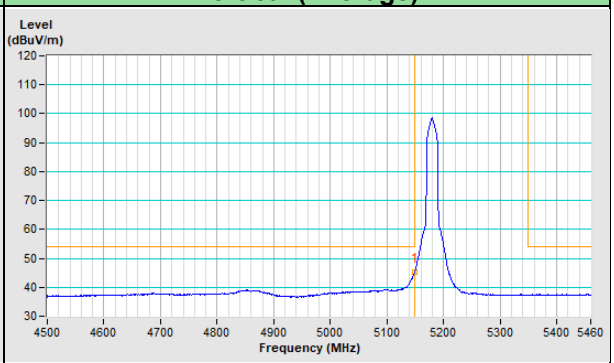
Horizontal (Average)



Vertical (Peak)

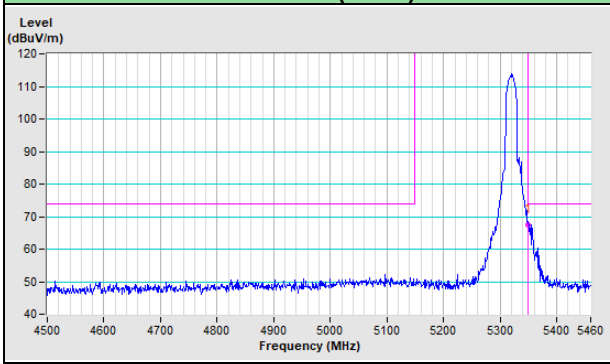


Vertical (Average)

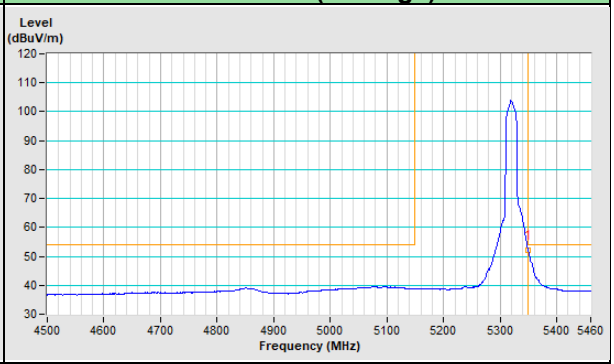


802.11ax (HE20) Channel 64

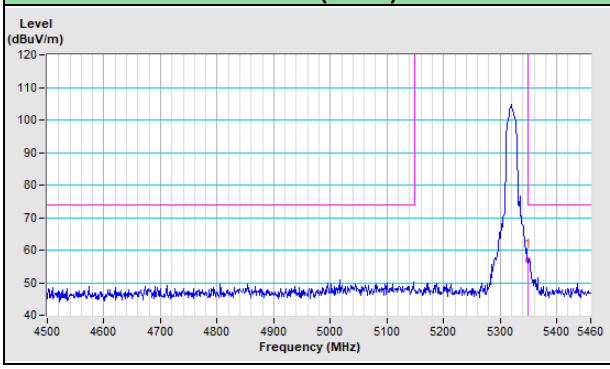
Horizontal (Peak)



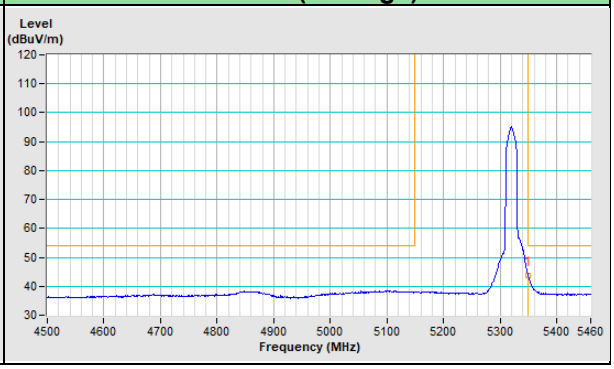
Horizontal (Average)

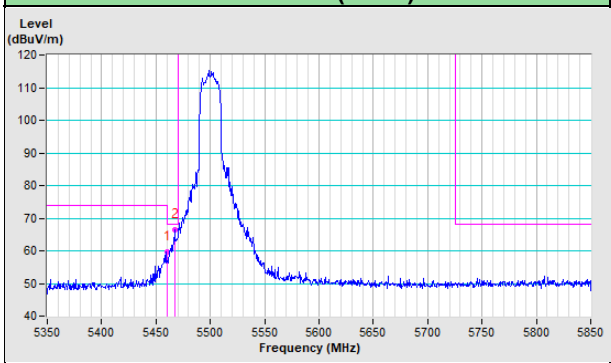
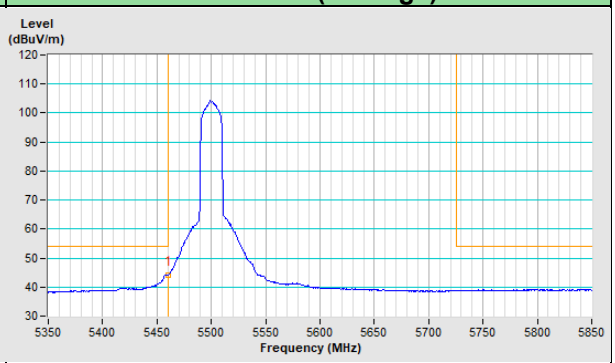
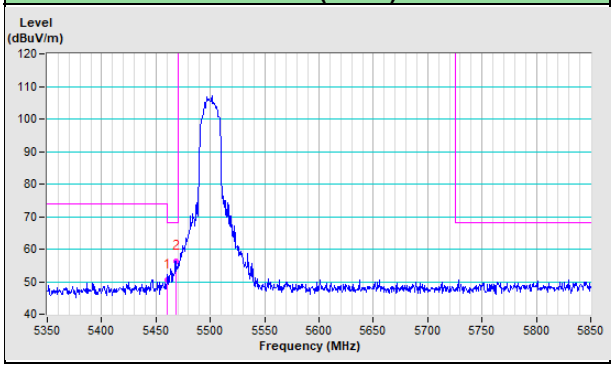
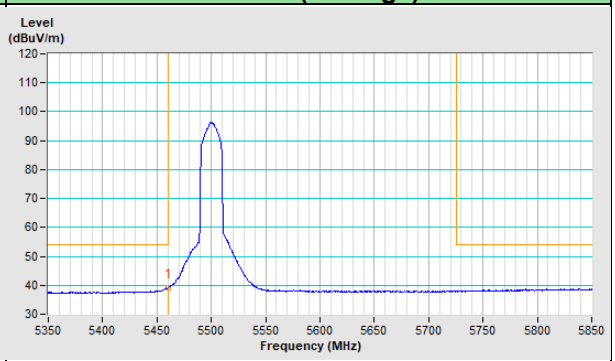


Vertical (Peak)



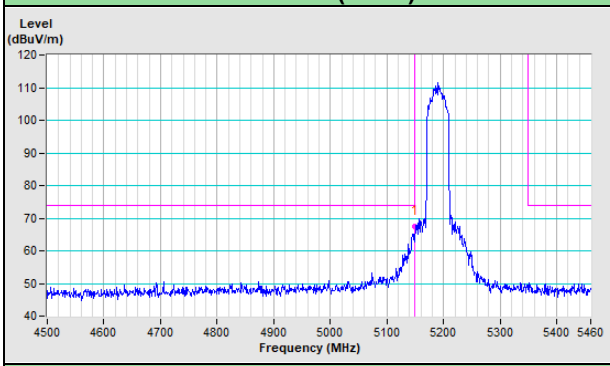
Vertical (Average)



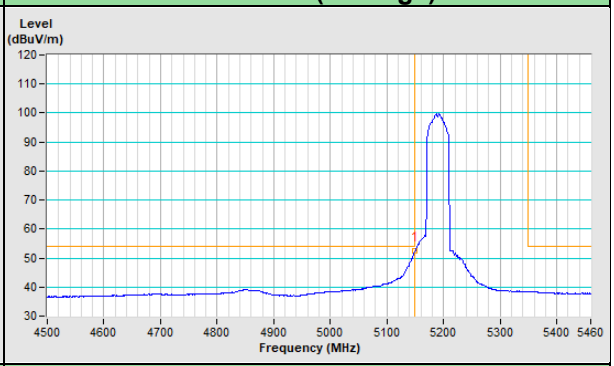
802.11ax (HE20) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE40) Channel 38

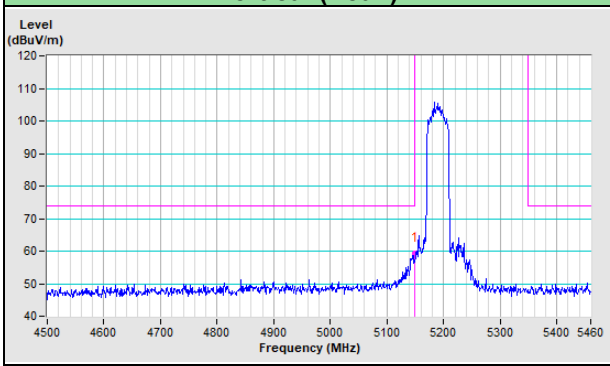
Horizontal (Peak)



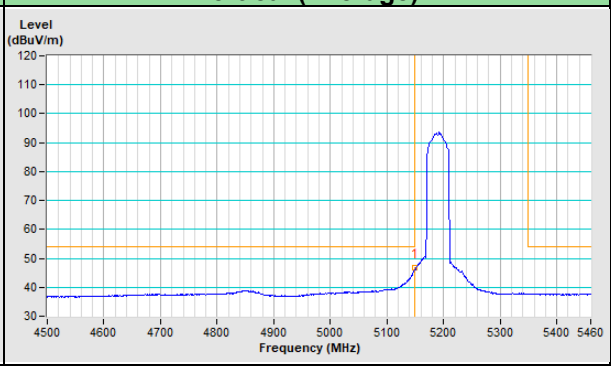
Horizontal (Average)



Vertical (Peak)

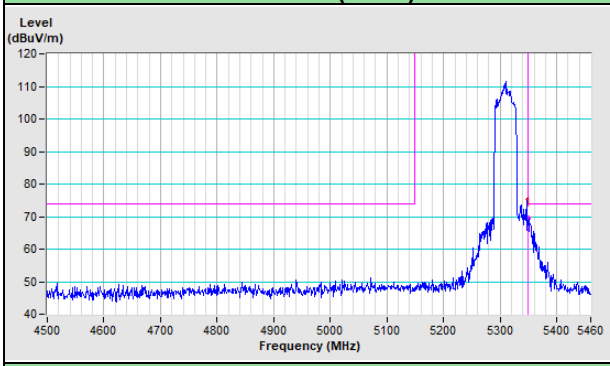


Vertical (Average)

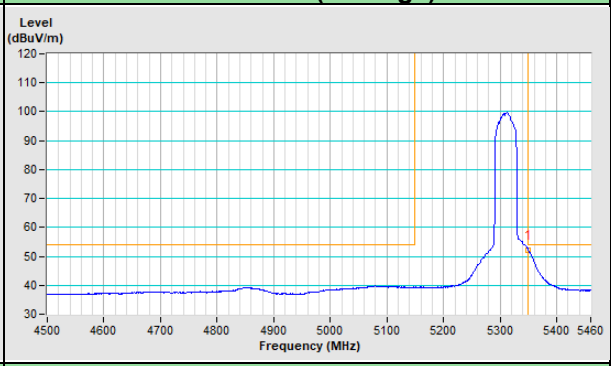


802.11ax (HE40) Channel 62

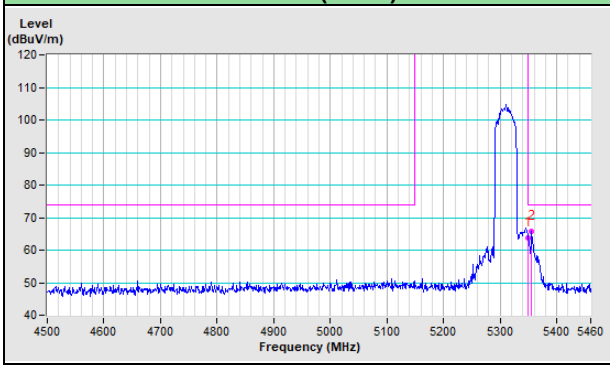
Horizontal (Peak)



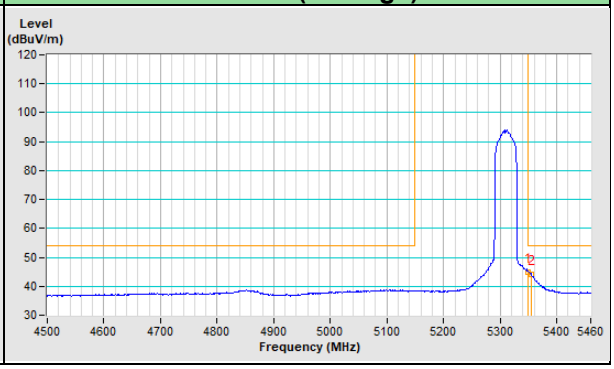
Horizontal (Average)

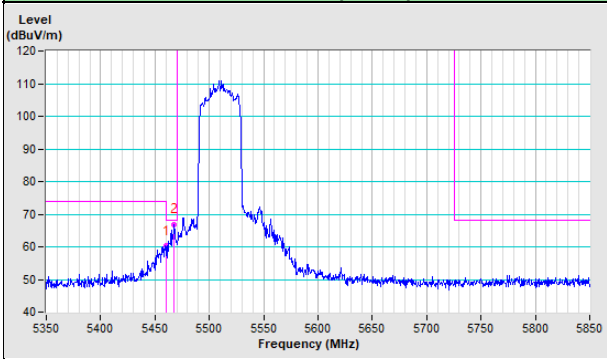
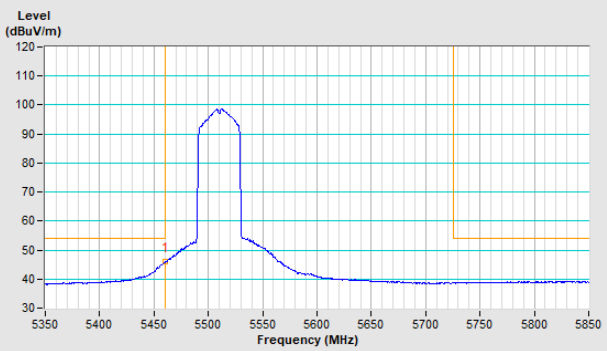
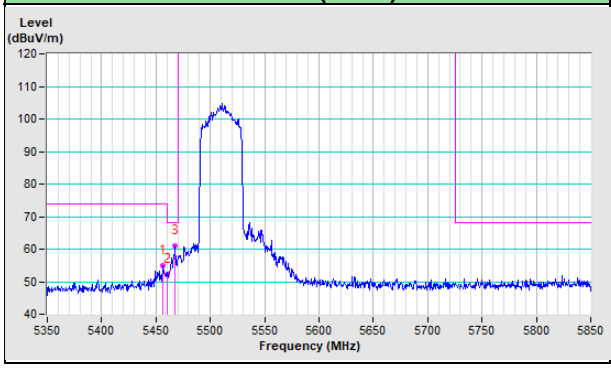
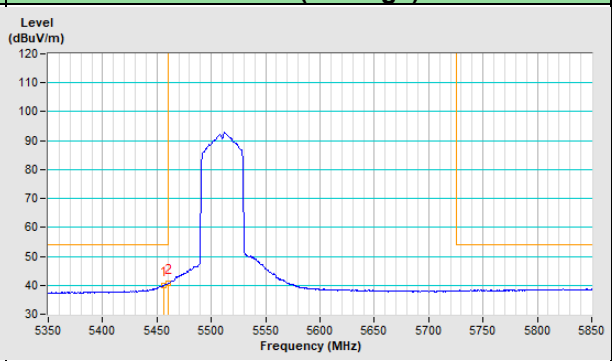


Vertical (Peak)



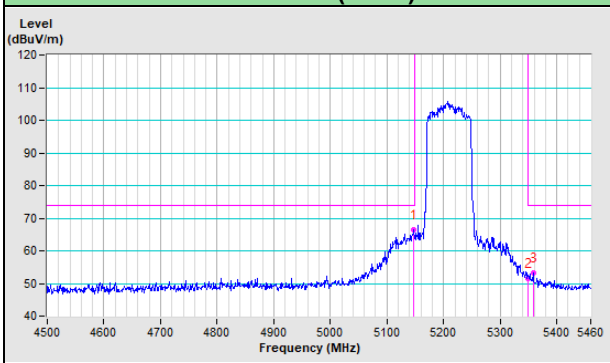
Vertical (Average)



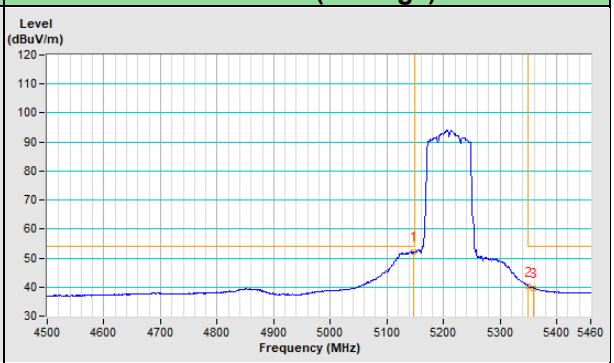
802.11ax (HE40) Channel 102	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11ax (HE80) Channel 42

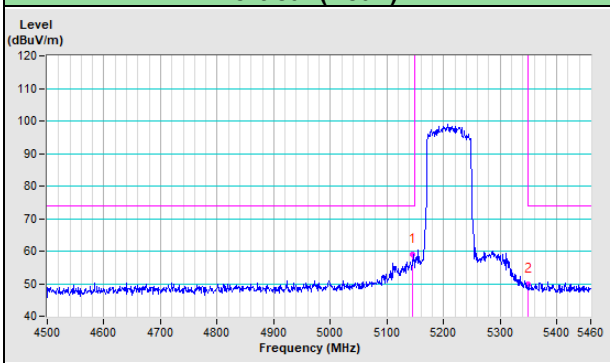
Horizontal (Peak)



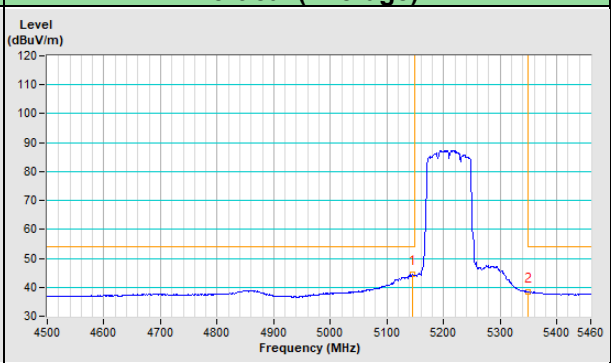
Horizontal (Average)



Vertical (Peak)

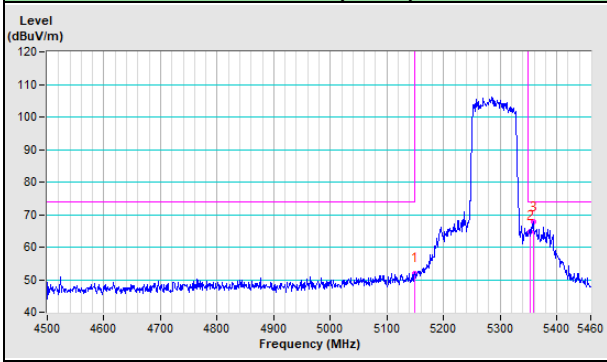


Vertical (Average)

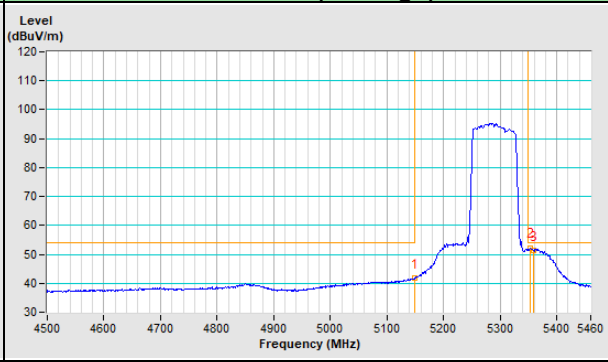


802.11ax (HE80) Channel 58

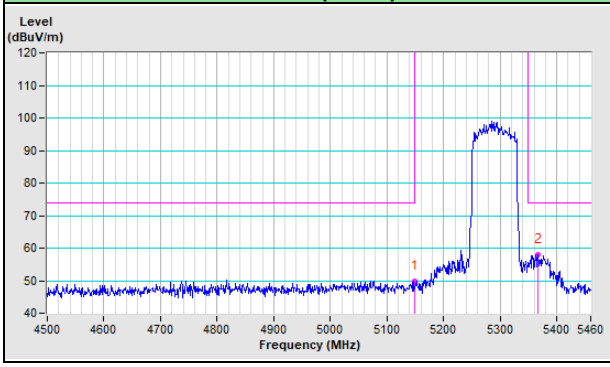
Horizontal (Peak)



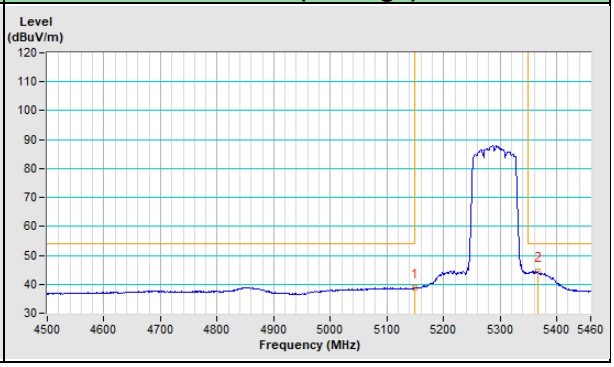
Horizontal (Average)

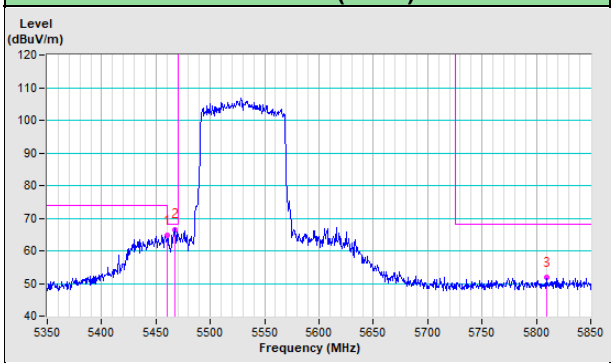
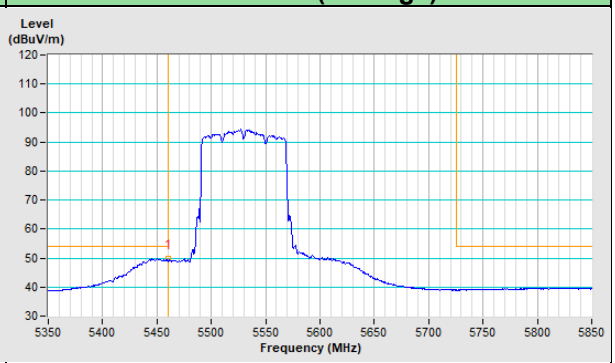
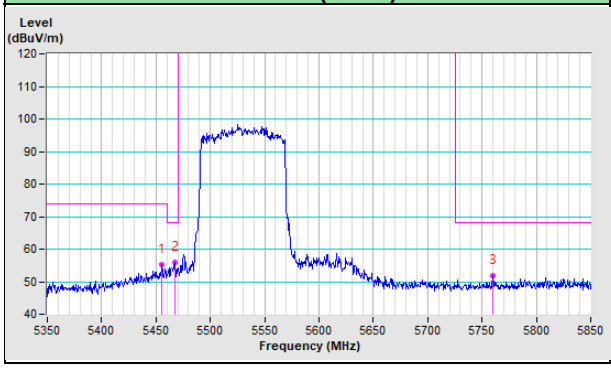
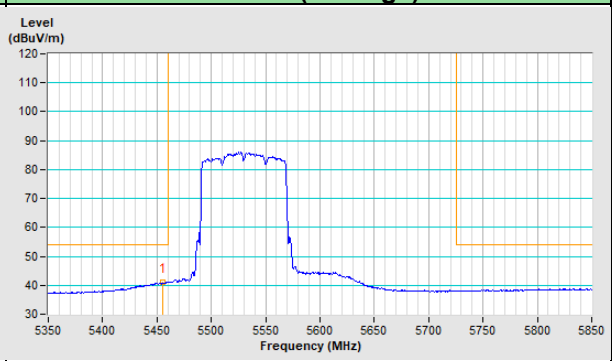


Vertical (Peak)



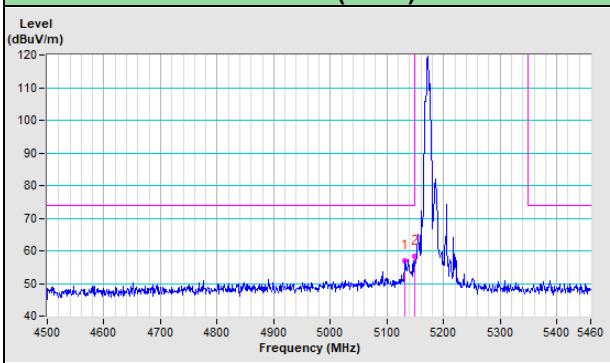
Vertical (Average)



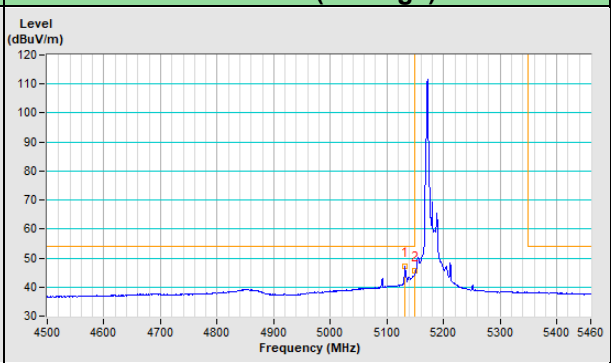
802.11ax (HE80) Channel 106	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

20MHz Preamble 802.11ax (RU26) Channel 36

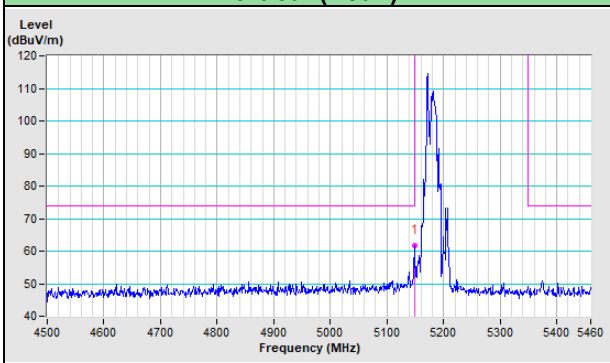
Horizontal (Peak)



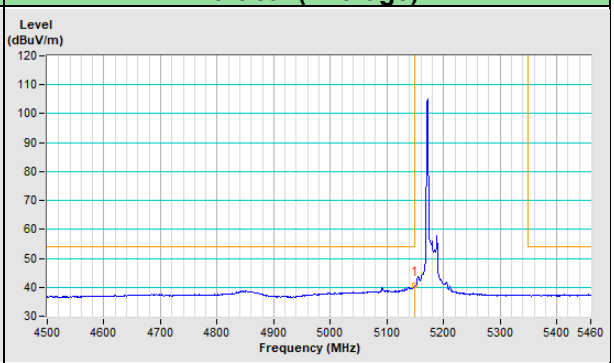
Horizontal (Average)



Vertical (Peak)

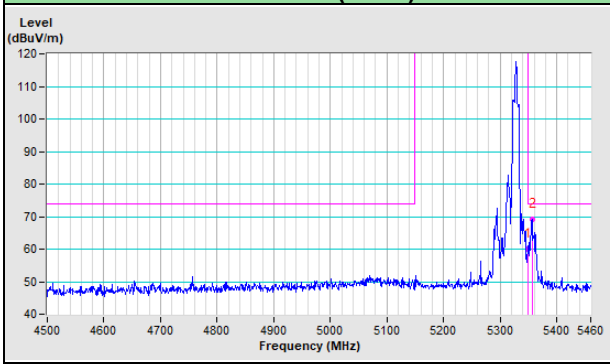


Vertical (Average)

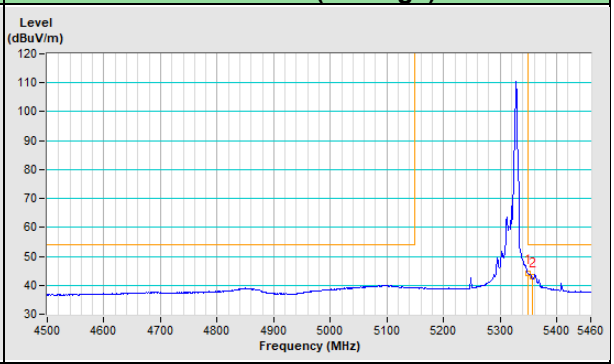


20MHz Preamble 802.11ax (RU26) Channel 64

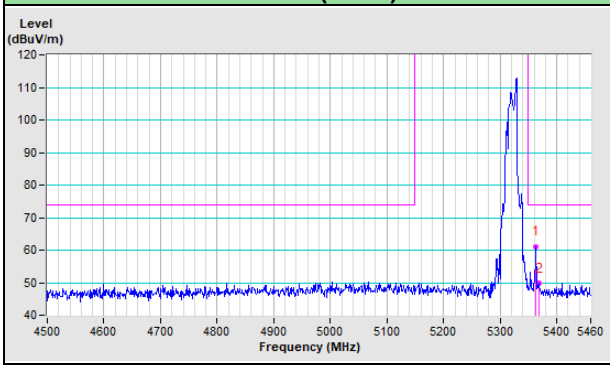
Horizontal (Peak)



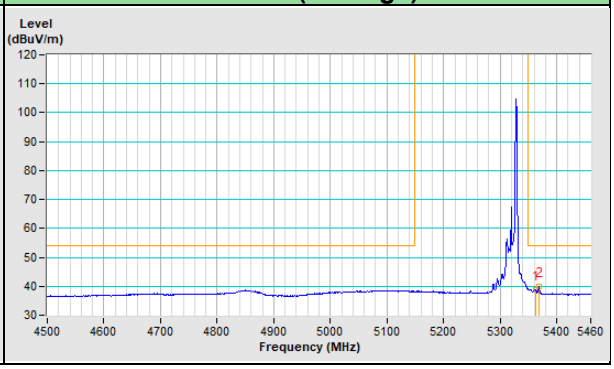
Horizontal (Average)

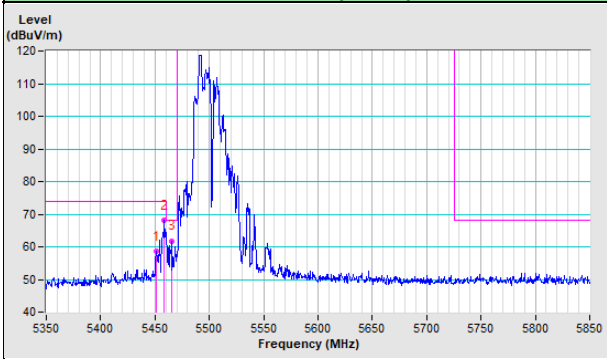
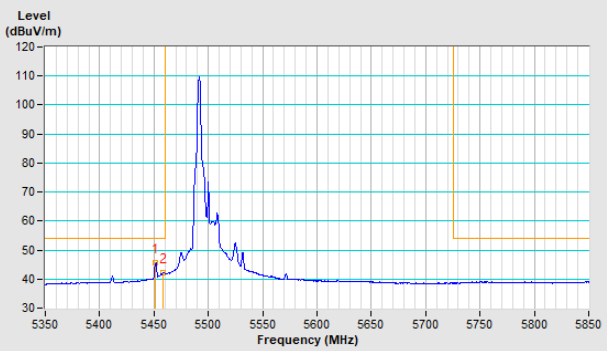
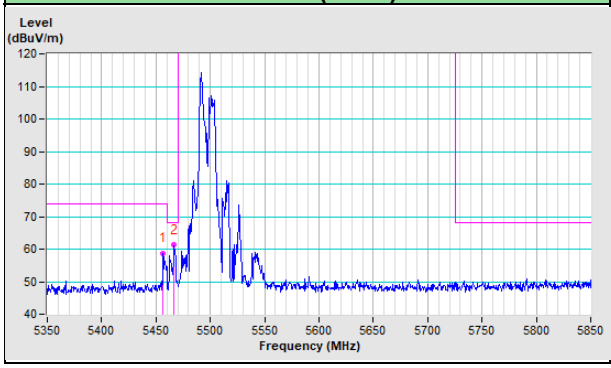
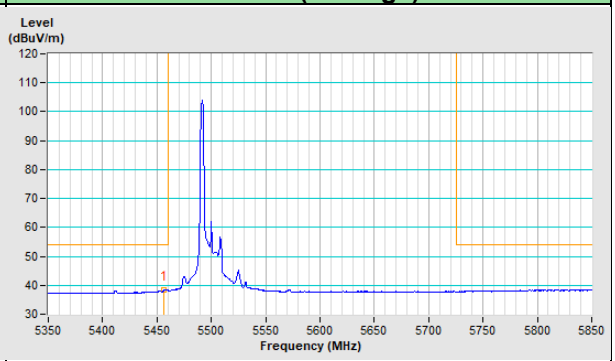


Vertical (Peak)



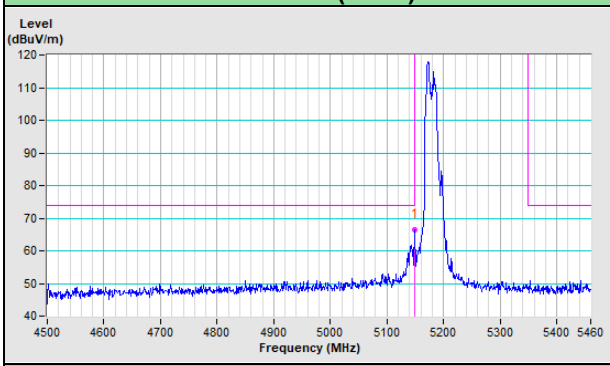
Vertical (Average)



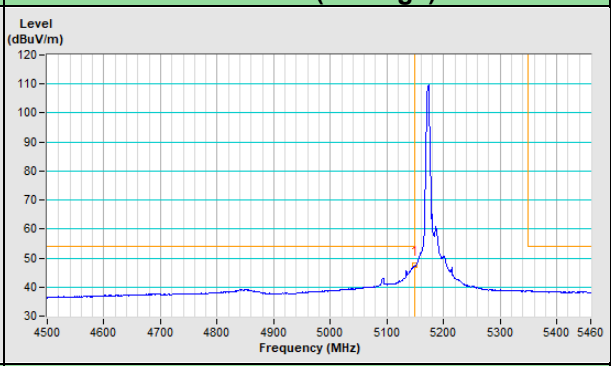
20MHz Preamble 802.11ax (RU26) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

20MHz Preamble 802.11ax (RU52) Channel 36

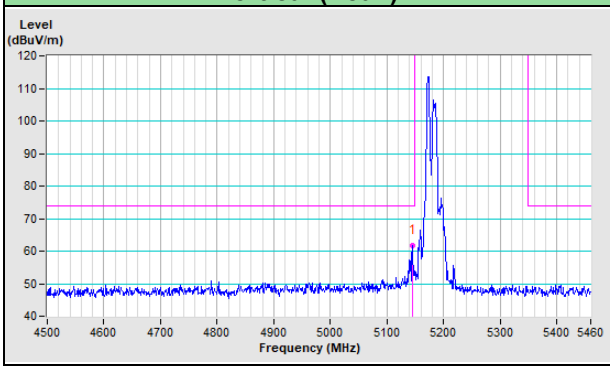
Horizontal (Peak)



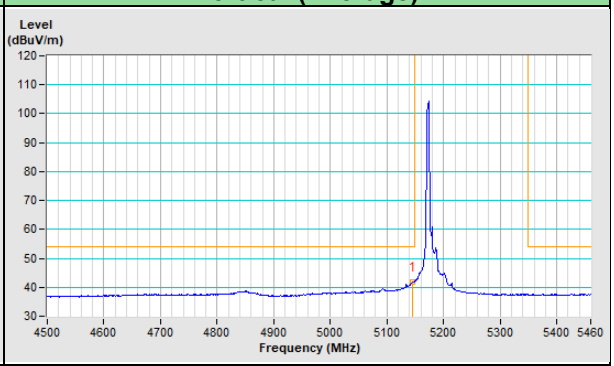
Horizontal (Average)



Vertical (Peak)

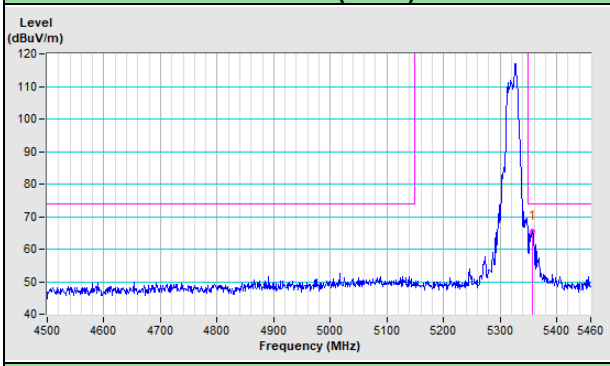


Vertical (Average)

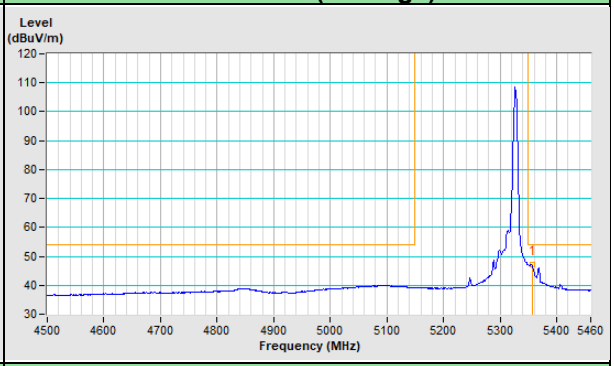


20MHz Preamble 802.11ax (RU52) Channel 64

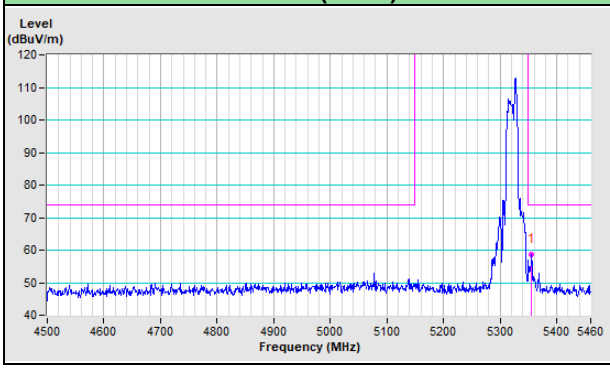
Horizontal (Peak)



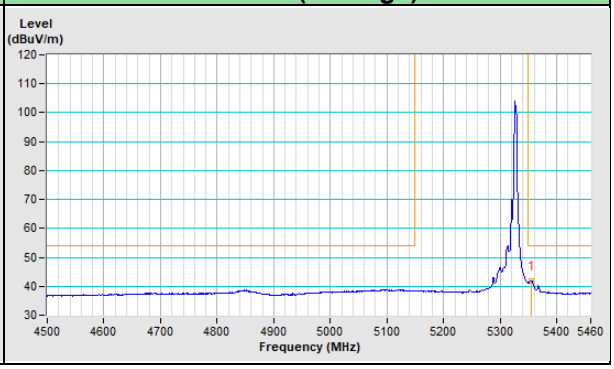
Horizontal (Average)

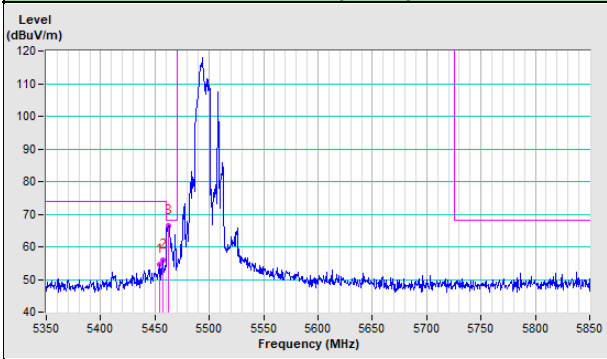
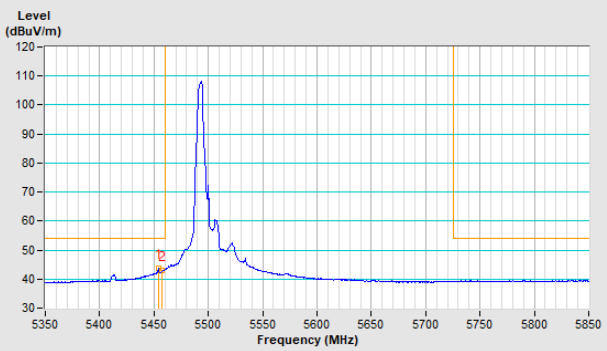
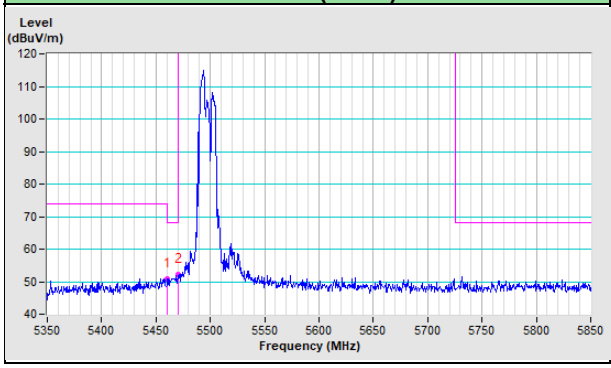
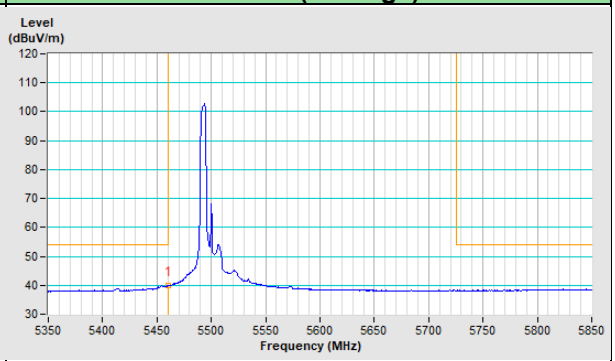


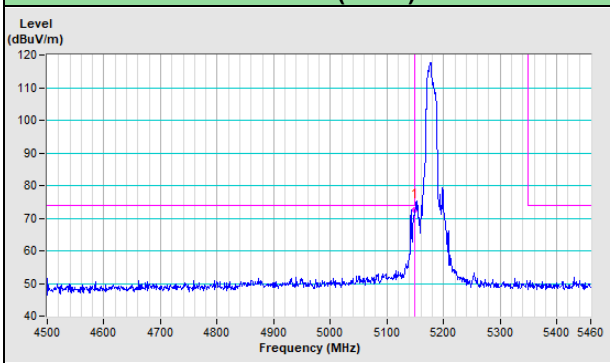
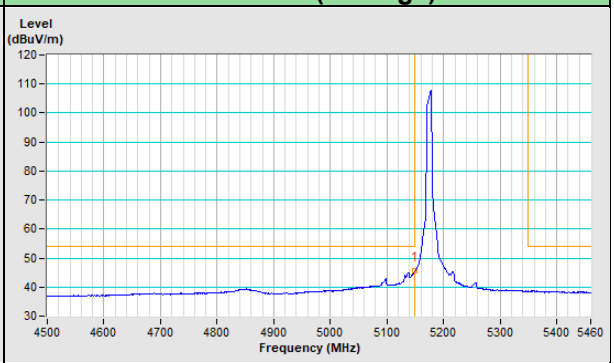
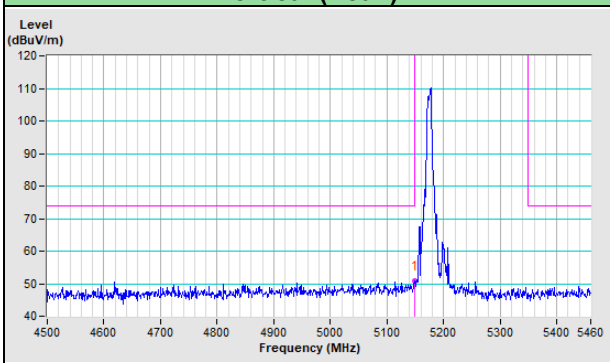
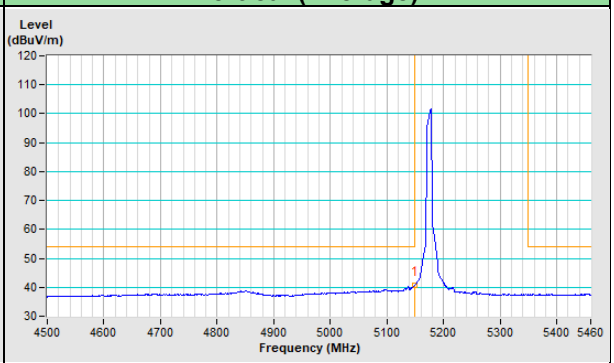
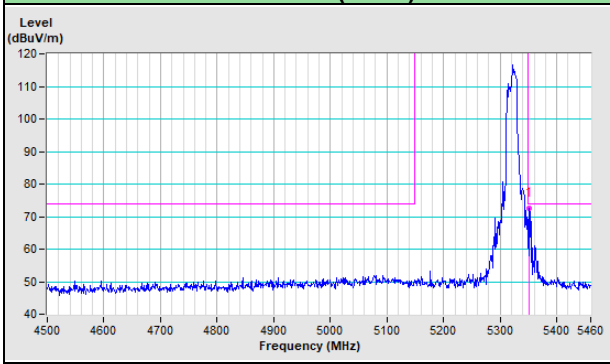
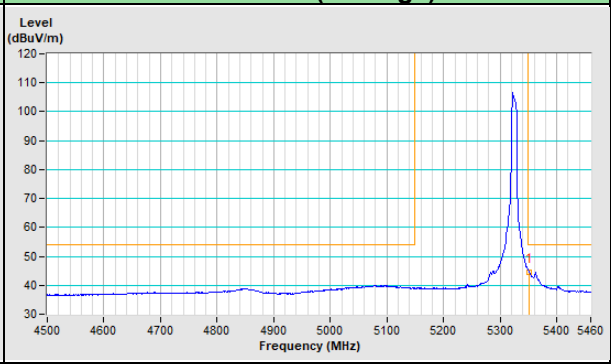
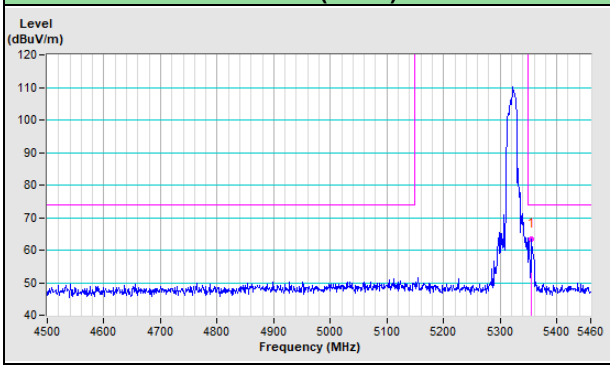
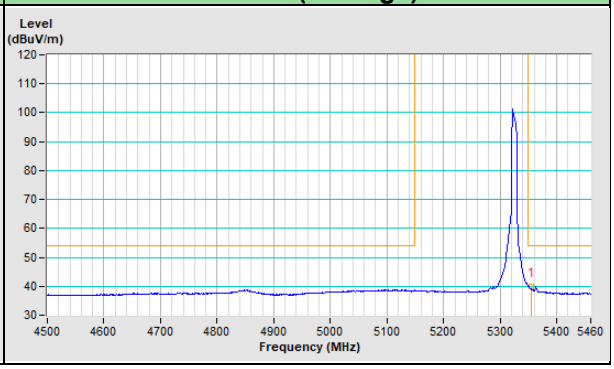
Vertical (Peak)

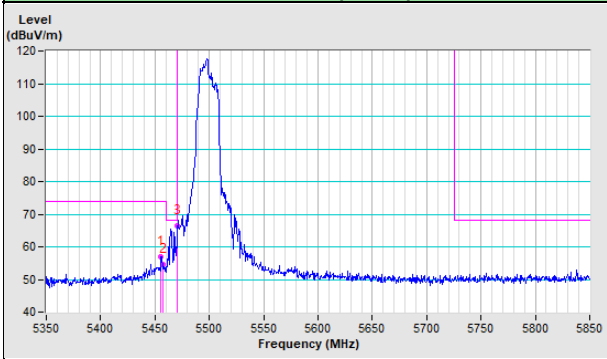
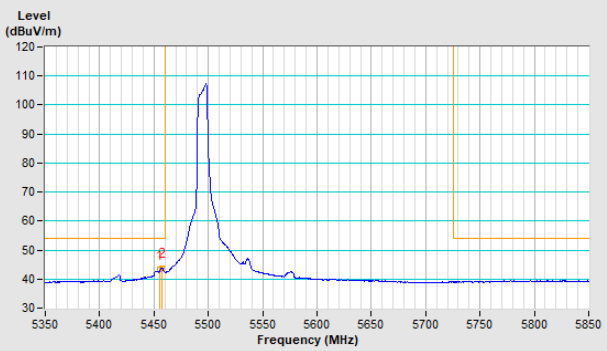
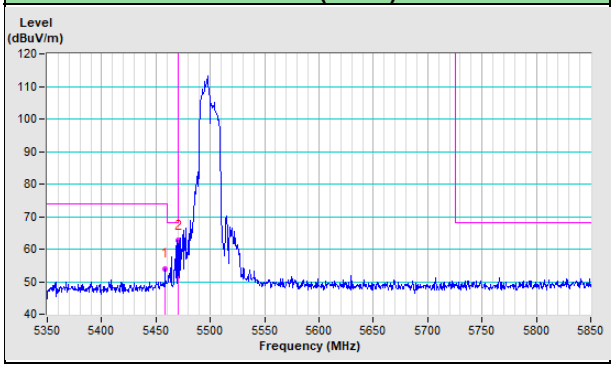
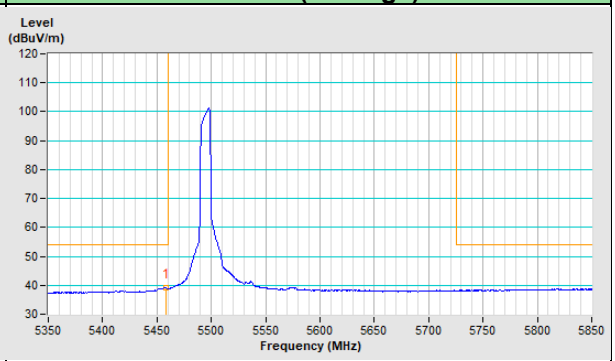


Vertical (Average)



20MHz Preamble 802.11ax (RU52) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

20MHz Preamble 802.11ax (RU106) Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
20MHz Preamble 802.11ax (RU106) Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

20MHz Preamble 802.11ax (RU106) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

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The address and road map of all our labs can be found in our web site also.

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