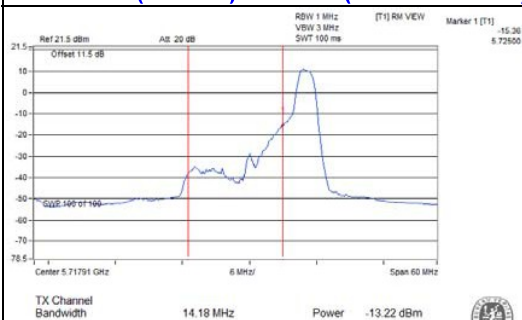
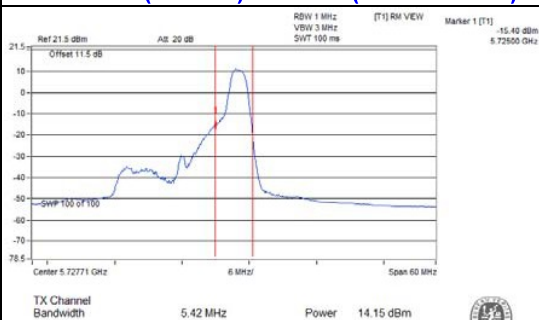


Spectrum Plot Value of Power

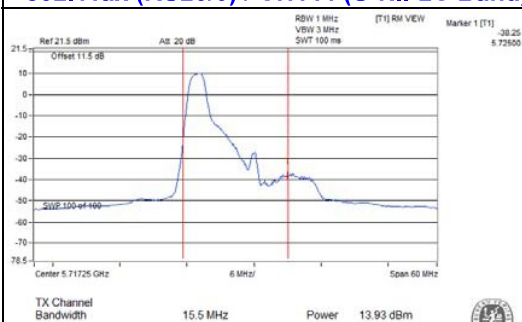
802.11ax (RU26/8) / CH144 (U-NII-2C Band)



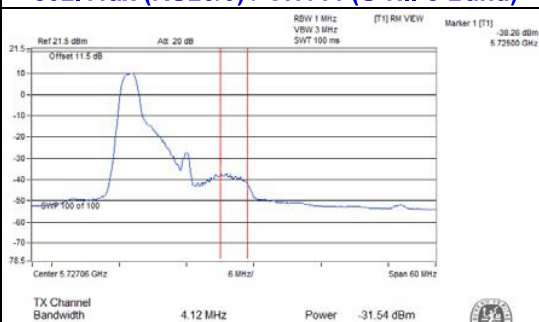
802.11ax (RU26/8) / CH144 (U-NII-3 Band)



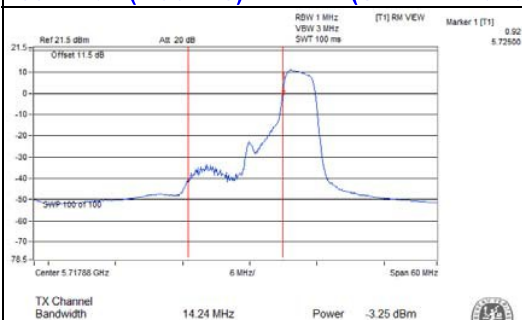
802.11ax (RU26/0) / CH144 (U-NII-2C Band)



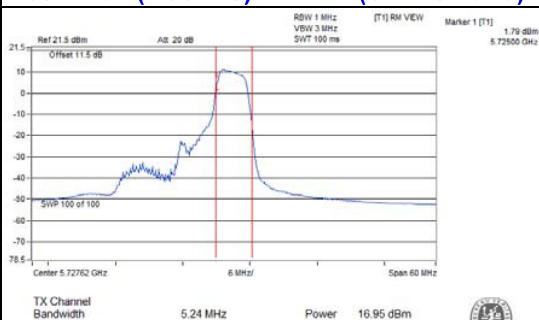
802.11ax (RU26/0) / CH144 (U-NII-3 Band)



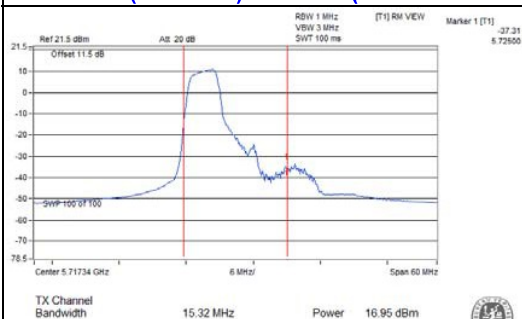
802.11ax (RU52/40) / CH144 (U-NII-2C Band)



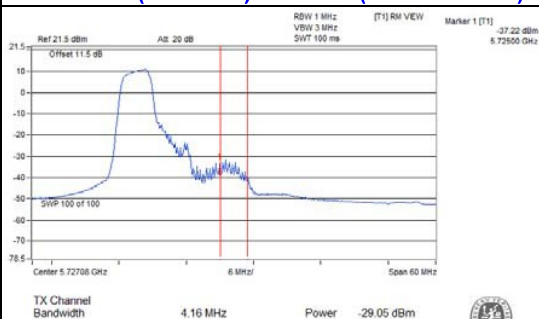
802.11ax (RU52/40) / CH144 (U-NII-3 Band)



802.11ax (RU52/37) / CH144 (U-NII-2C Band)

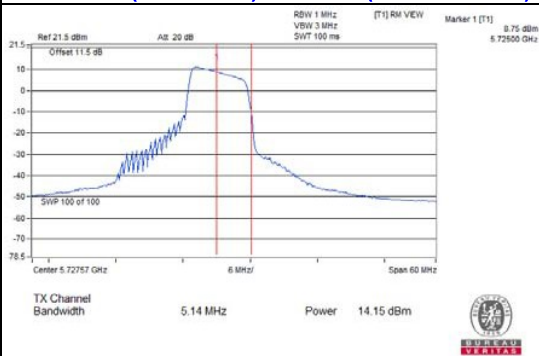
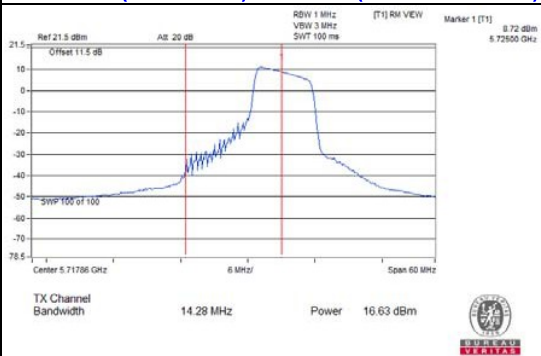


802.11ax (RU52/37) / CH144 (U-NII-3 Band)

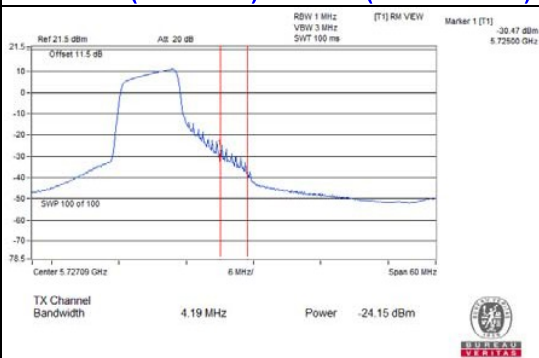
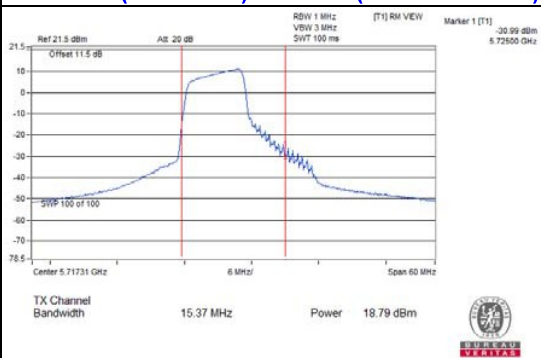


Spectrum Plot Value of Power

802.11ax (RU106/54) / CH144 (U-NII-2C Band) 802.11ax (RU106/54) / CH144 (U-NII-3 Band)



802.11ax (RU106/53) / CH144 (U-NII-2C Band) 802.11ax (RU106/53) / CH144 (U-NII-3 Band)



26dB OCCUPIED BANDWIDTH

802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
52	5260	36.17
60	5300	36
64	5320	35.82
100	5500	20.89
116	5580	35.99
140	5700	18.49
144 (U-NII-2C Band)	5720	18.54

802.11ax (HE20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
52	5260	28.22
60	5300	28.16
64	5320	20.47
100	5500	20.43
116	5580	27.88
140	5700	20.46
144 (U-NII-2C Band)	5720	18.67

802.11ax (HE40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
54	5270	62.69
62	5310	40.74
102	5510	40.78
110	5550	63.6
134	5670	40.81
142 (U-NII-2C Band)	5710	40.65

802.11ax (HE80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
58	5290	82.24
106	5530	82.19
122	5610	115.39
138 (U-NII-2C Band)	5690	77.68

802.11ax (RU26)

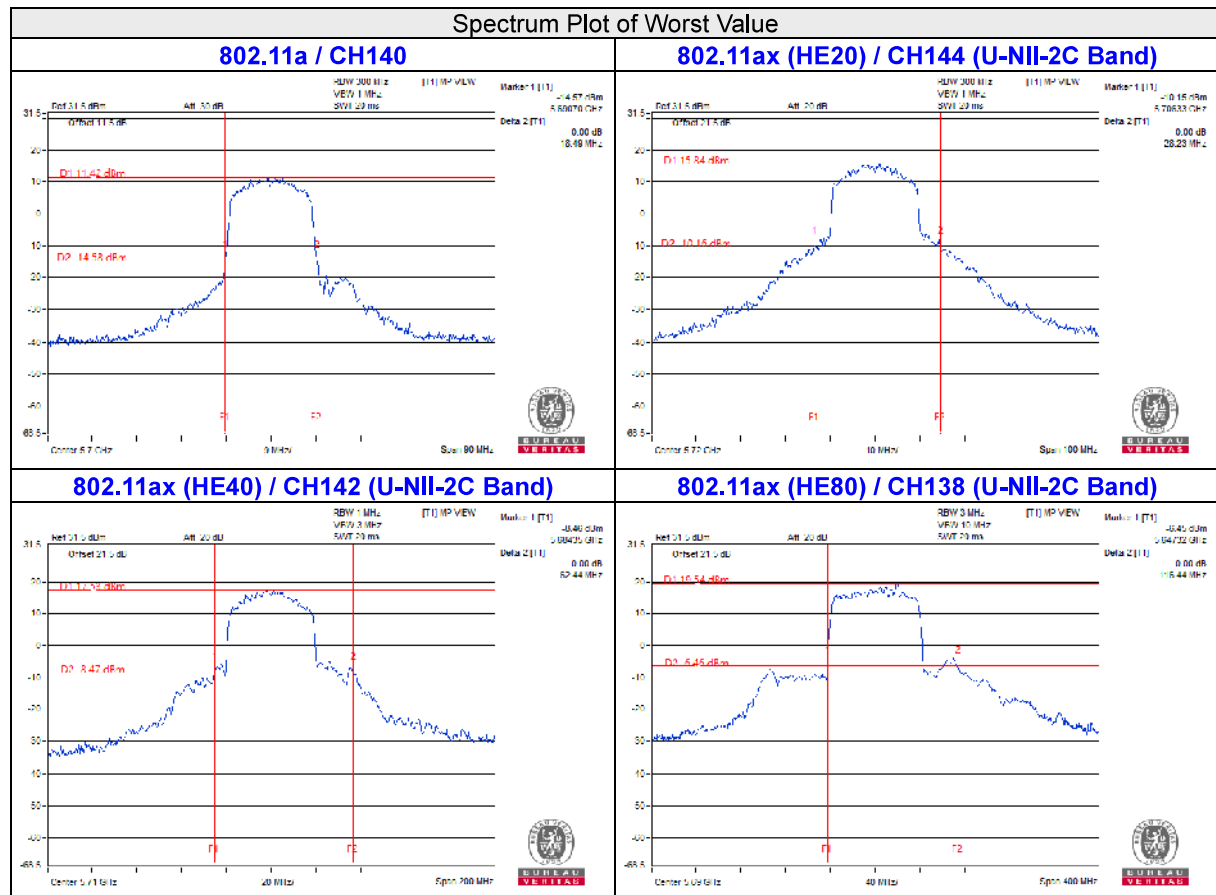
RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26/0	52	5260	19.62
26/4	60	5300	17.84
26/8	64	5320	19.53
26/0	100	5500	19.61
26/4	116	5580	17.81
26/8	140	5700	19.58
26/8	144 (U-NII-2C Band)	5720	14.18
26/0	144 (U-NII-2C Band)	5720	15.5

802.11ax (RU52)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
52/37	52	5260	17.76
52/39	60	5300	15.96
52/40	64	5320	17.76
52/37	100	5500	17.76
52/39	116	5580	15.96
52/40	140	5700	17.88
52/40	144 (U-NII-2C Band)	5720	13.4
52/37	144 (U-NII-2C Band)	5720	15.32

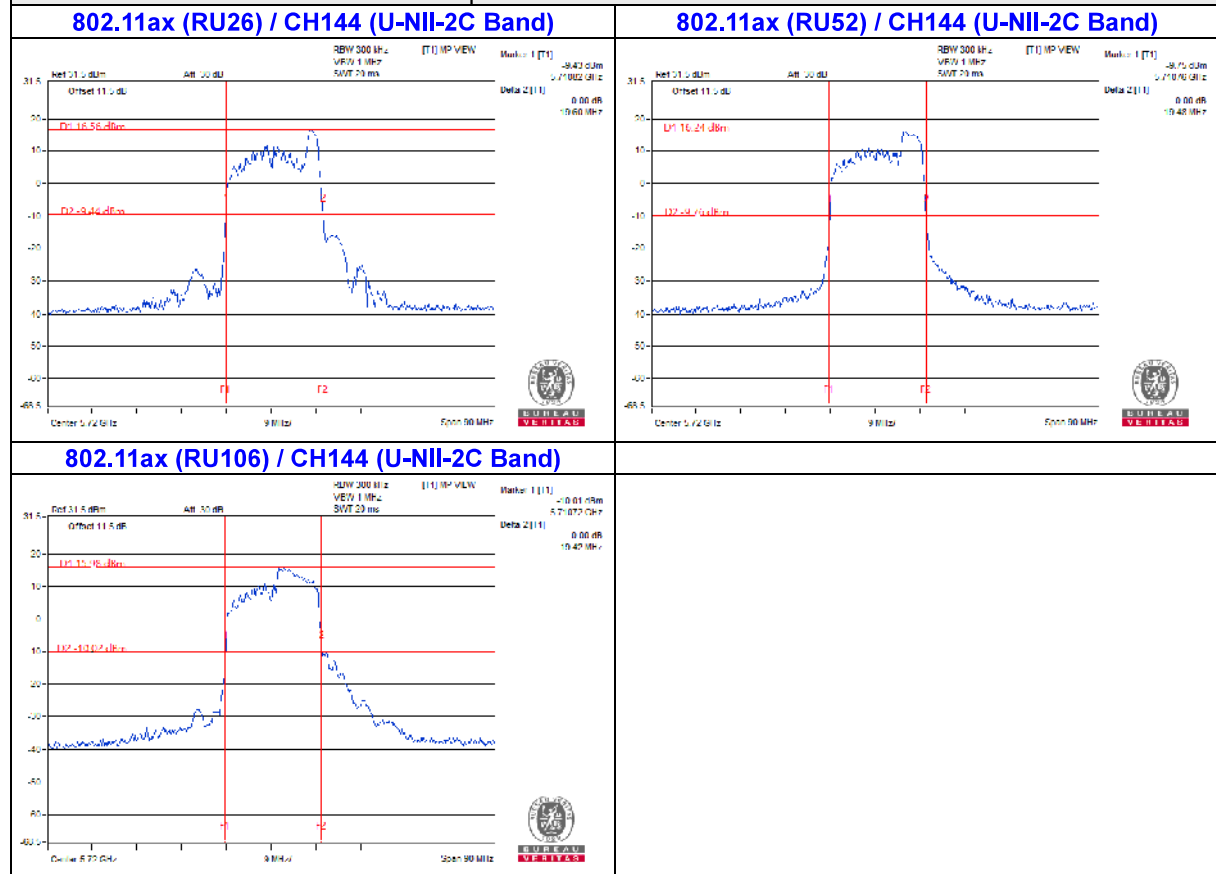
802.11ax (RU106)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
106/53	52	5260	19.55
106/54	60	5300	19.4
106/54	64	5320	19.39
106/53	100	5500	19.64
106/53	116	5580	19.63
106/54	140	5700	20.52
106/54	144 (U-NII-2C Band)	5720	14.28
106/53	144 (U-NII-2C Band)	5720	15.37



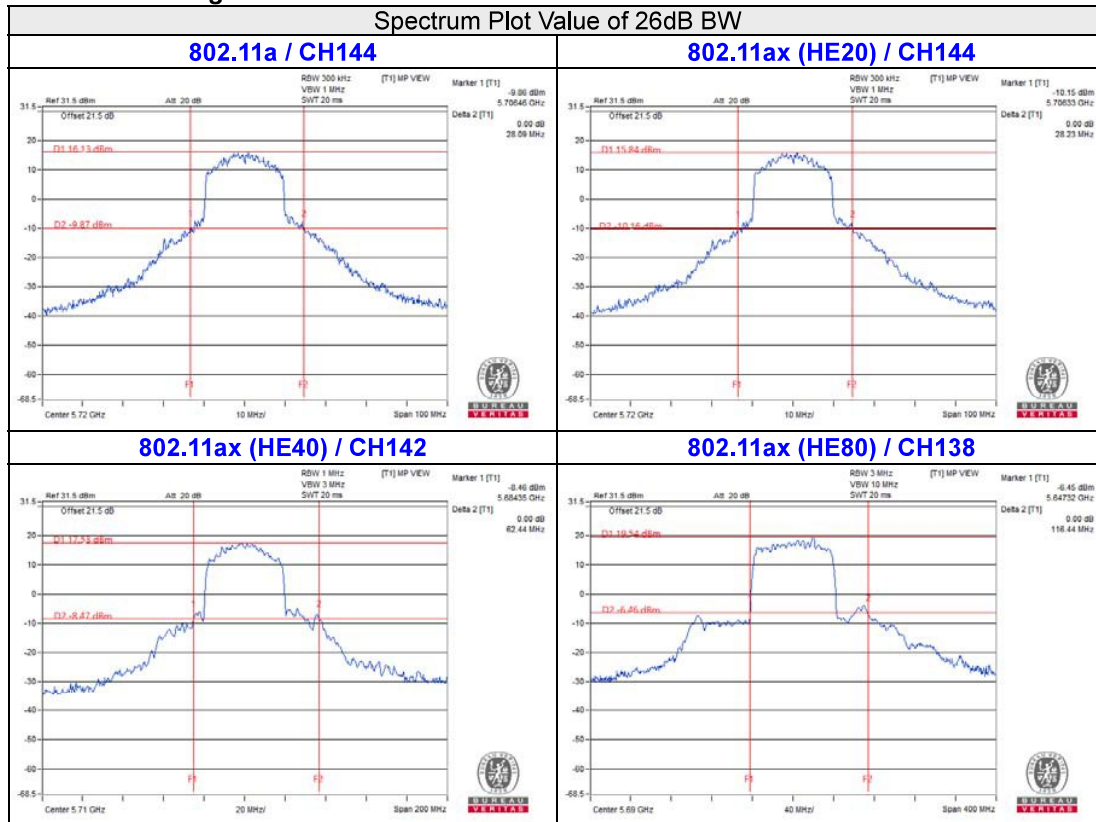
Note: For CH144 (U-NII-2C) = 5725MHz - Marker 1

Spectrum Plot of Worst Value



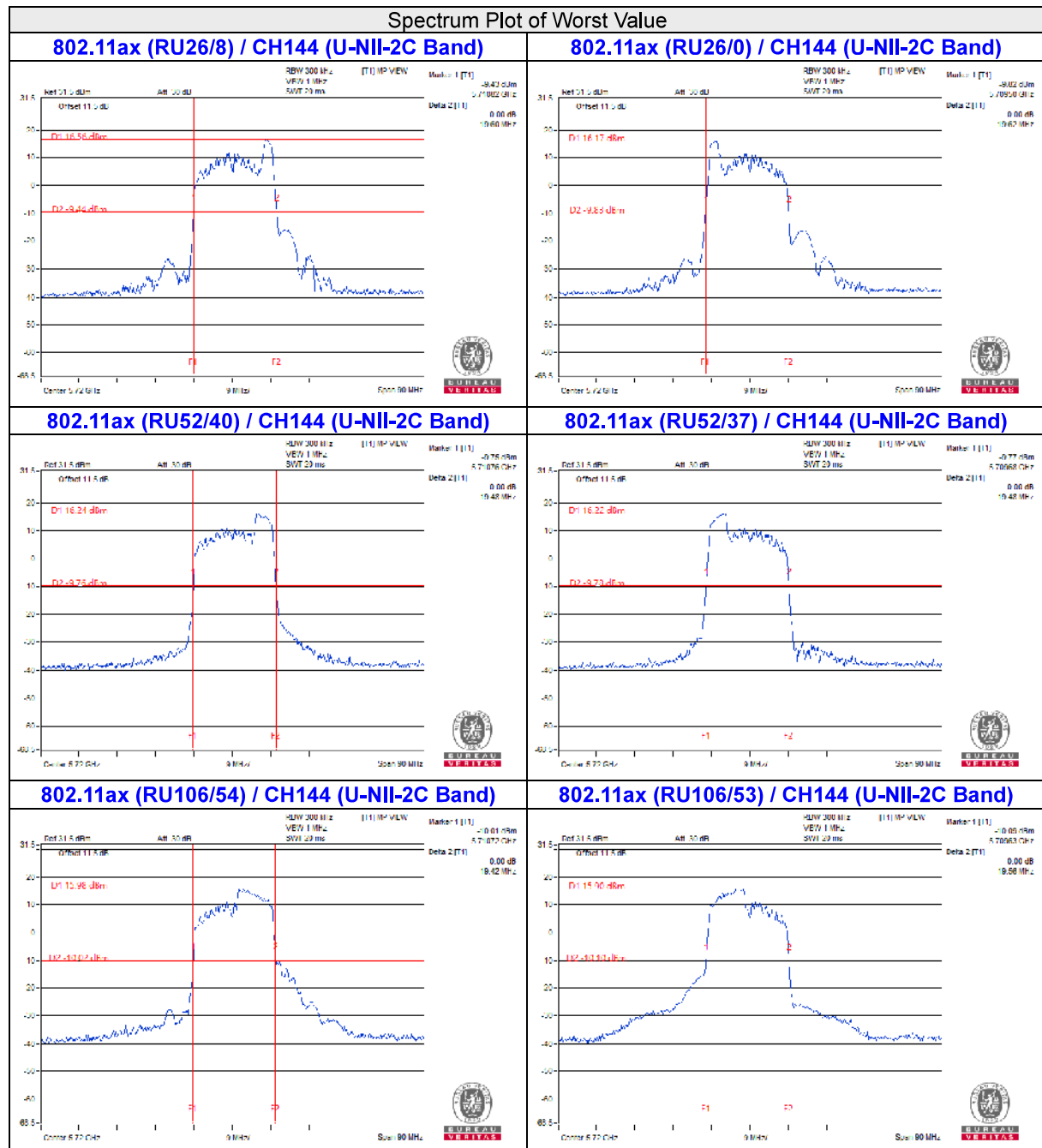
Note: For CH144 (U-NII-2C) = 5725MHz - Marker 1

For channel straddling 5725MHz of 26dB BW



Note:

- For CH144 (U-NII-2C) = 5725MHz - Marker 1
- For CH142 (U-NII-2C) = 5725MHz - Marker 1
- For CH138 (U-NII-2C) = 5725MHz - Marker 1

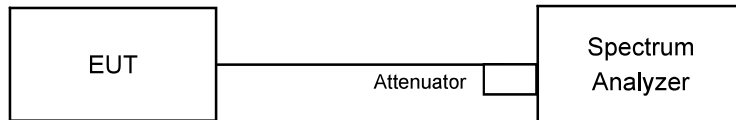


Note:

For CH144 (U-NII-2C) = 5725MHz - Marker 1

4.4 Occupied Bandwidth Measurement

4.4.1 Test Setup



4.4.2 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.4.3 Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to SAMPLE. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean power of a given emission.

4.4.4 Test Results (Mode 1)

CDD Mode

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.2	16.2
40	5200	16.2	16.2
48	5240	16.2	16.2
52	5260	16.2	16.2
60	5300	16.2	16.2
64	5320	16.2	16.2
100	5500	16.2	16.2
116	5580	16.2	16.2
140	5700	16.2	16.2
144 (U-NII-2C Band)	5720	13.16	13.16
144 (U-NII-3 Band)	5720	3.04	3.04
149	5745	16.68	17.76
157	5785	17.28	18.96
165	5825	16.68	17.64

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.6	18.6
40	5200	18.6	18.6
48	5240	18.6	18.6
52	5260	18.6	18.6
60	5300	18.6	18.6
64	5320	18.6	18.6
100	5500	18.6	18.6
116	5580	18.65	18.65
140	5700	18.6	18.6
144 (U-NII-2C Band)	5720	14.36	14.36
144 (U-NII-3 Band)	5720	4.24	4.24
149	5745	18.84	18.96
157	5785	18.84	18.96
165	5825	18.84	18.96

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.2	37.2
46	5230	37.44	37.2
54	5270	37.44	37.44
62	5310	37.2	37.2
102	5510	36.96	37.2
110	5550	37.44	37.44
134	5670	37.2	37.2
142 (U-NII-2C Band)	5710	33.72	33.72
142 (U-NII-3 Band)	5710	3.72	3.72
151	5755	37.44	37.44
159	5795	37.44	37.68

802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	76.8	77.28
58	5290	76.8	76.8
106	5530	77.28	77.76
122	5610	77.76	77.28
138 (U-NII-2C Band)	5690	73.88	73.88
138 (U-NII-3 Band)	5690	3.88	3.4
155	5775	77.28	77.28

802.11ax (RU26)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
			Chain 0	Chain 1
26/0	36	5180	17.88	17.76
26/4	40	5200	14.88	14.88
26/8	48	5240	17.88	17.88
26/0	52	5260	17.76	17.76
26/4	60	5300	14.76	14.88
26/8	64	5320	17.88	17.88
26/0	100	5500	17.76	17.76
26/4	116	5580	14.88	14.88
26/8	140	5700	18	17.88
26/8	144 (U-NII-2C Band)	5720	13.28	13.28
26/8	144 (U-NII-3 Band)	5720	4.6	4.6
26/0	144 (U-NII-2C Band)	5720	14.72	14.72
26/0	144 (U-NII-3 Band)	5720	3.16	3.04
26/0	149	5745	18.09	18.24
26/4	157	5785	15.36	15.48
26/8	165	5825	18.12	18

802.11ax (RU52)

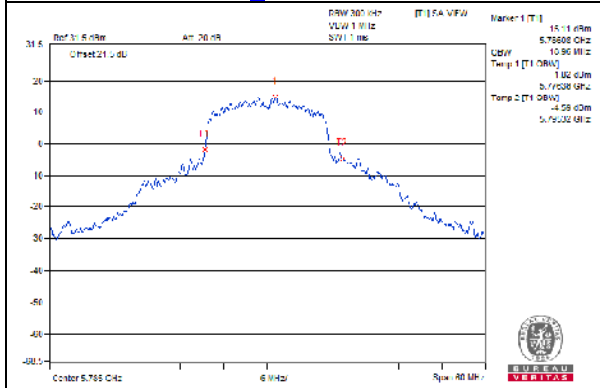
RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
			Chain 0	Chain 1
52/37	36	5180	17.76	17.52
52/39	40	5200	15.96	15.72
52/40	48	5240	17.88	17.76
52/37	52	5260	17.76	17.64
52/39	60	5300	15.84	15.72
52/40	64	5320	17.88	17.76
52/37	100	5500	17.76	17.64
52/39	116	5580	16.08	15.72
52/40	140	5700	17.88	17.76
52/40	144 (U-NII-2C Band)	5720	13.4	13.28
52/40	144 (U-NII-3 Band)	5720	4.48	4.48
52/37	144 (U-NII-2C Band)	5720	14.6	14.6
52/37	144 (U-NII-3 Band)	5720	3.04	3.16
52/37	149	5745	18	18
52/39	157	5785	16.44	16.2
52/40	165	5825	18.24	18.12

802.11ax (RU106)

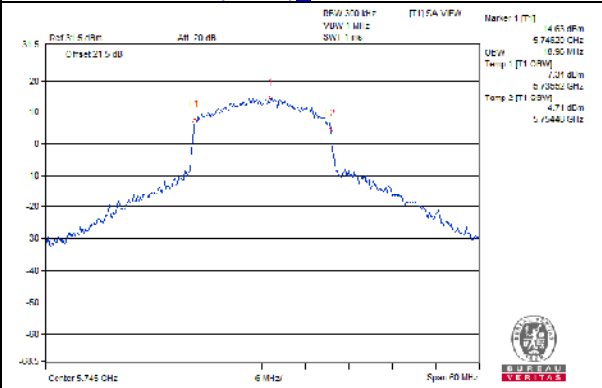
RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
			Chain 0	Chain 1
106/53	36	5180	17.52	17.52
106/53	40	5200	17.64	17.52
106/54	48	5240	17.64	17.52
106/53	52	5260	17.52	17.64
106/54	60	5300	17.64	17.64
106/54	64	5320	17.64	17.64
106/53	100	5500	17.64	17.64
106/53	116	5580	17.52	17.64
106/54	140	5700	17.64	17.64
106/54	144 (U-NII-2C Band)	5720	13.28	13.16
106/54	144 (U-NII-3 Band)	5720	4.36	4.36
106/53	144 (U-NII-2C Band)	5720	14.6	14.48
106/53	144 (U-NII-3 Band)	5720	2.92	3.04
106/53	149	5745	17.76	17.88
106/54	157	5785	18	18.24
106/54	165	5825	18	18.48

Spectrum Plot of Max. Value

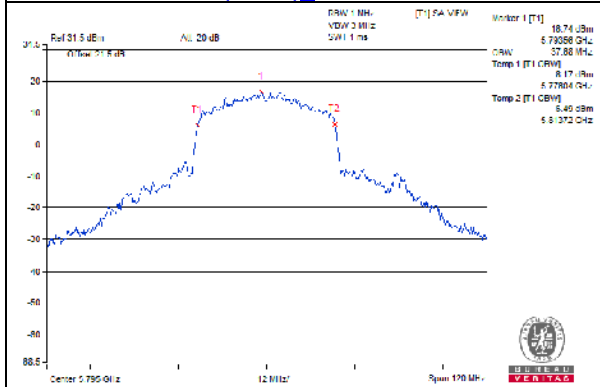
802.11a_Chain 1 / CH157



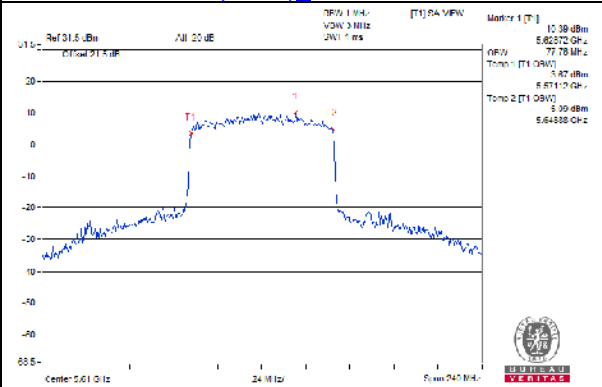
802.11ax (HE20)_Chain 1 / CH149



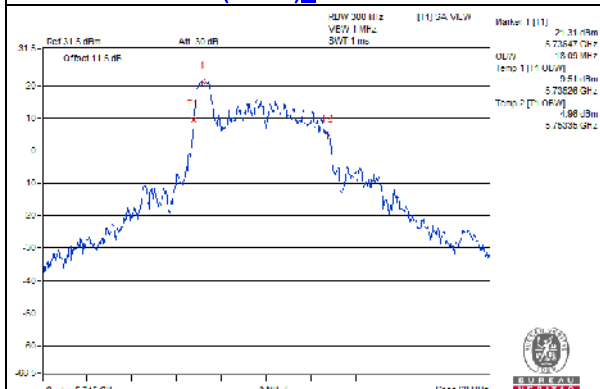
802.11ax (HE40)_Chain 1 / CH159



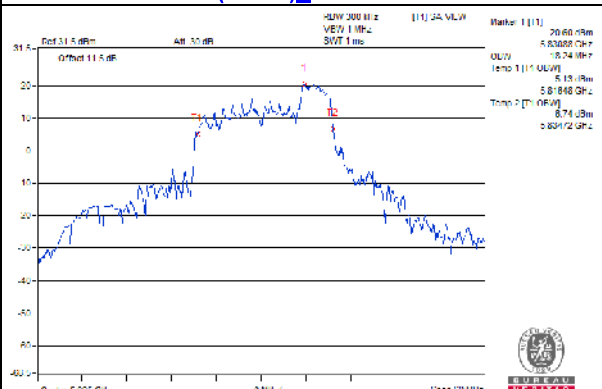
802.11ax (HE80)_Chain 0 / CH122



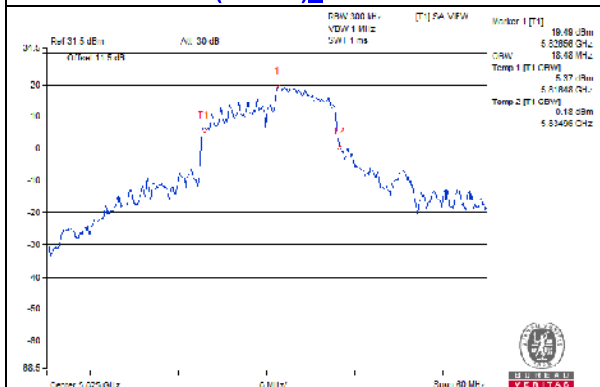
802.11ax (RU26)_Chain 0 / CH149



802.11ax (RU52)_Chain 0 / CH165



802.11ax (RU106)_Chain 1 / CH165



4.4.5 Test Results (Mode 2)

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	16.56
40	5200	16.56
48	5240	16.68
52	5260	16.8
60	5300	16.68
64	5320	16.92
100	5500	16.32
116	5580	16.92
140	5700	16.2
144 (U-NII-2C Band)	5720	13.4
144 (U-NII-3 Band)	5720	3.88
149	5745	17.76
157	5785	17.76
165	5825	17.64

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.84
40	5200	18.84
48	5240	18.84
52	5260	18.84
60	5300	18.84
64	5320	18.72
100	5500	18.6
116	5580	18.84
140	5700	18.6
144 (U-NII-2C Band)	5720	14.6
144 (U-NII-3 Band)	5720	4.48
149	5745	19.08
157	5785	19.08
165	5825	18.96

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
38	5190	37.2
46	5230	37.68
54	5270	37.44
62	5310	37.2
102	5510	37.2
110	5550	37.68
134	5670	37.2
142 (U-NII-2C Band)	5710	33.96
142 (U-NII-3 Band)	5710	3.96
151	5755	37.68
159	5795	37.92

802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
42	5210	76.8
58	5290	77.28
106	5530	76.8
122	5610	77.76
138 (U-NII-2C Band)	5690	73.88
138 (U-NII-3 Band)	5690	3.88
155	5775	77.76

802.11ax (RU26)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
26/0	36	5180	18.48
26/4	40	5200	14.64
26/8	48	5240	17.88
26/0	52	5260	17.88
26/4	60	5300	14.88
26/8	64	5320	17.88
26/0	100	5500	17.88
26/4	116	5580	14.76
26/8	140	5700	17.88
26/8	144 (U-NII-2C Band)	5720	13.28
26/8	144 (U-NII-3 Band)	5720	4.6
26/0	144 (U-NII-2C Band)	5720	14.72
26/0	144 (U-NII-3 Band)	5720	3.16
26/0	149	5745	18.36
26/4	157	5785	15.12
26/8	165	5825	18.24

802.11ax (RU52)

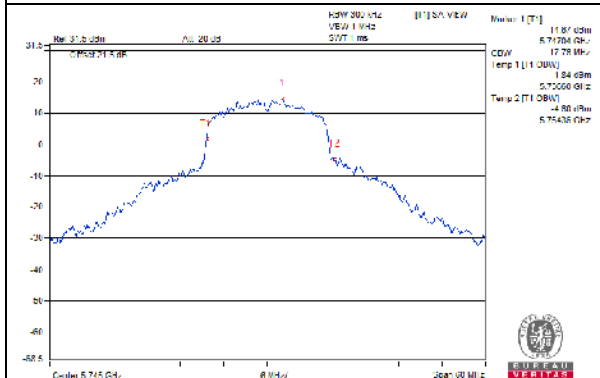
RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
52/37	36	5180	17.76
52/39	40	5200	15.84
52/40	48	5240	17.76
52/37	52	5260	17.76
52/39	60	5300	15.96
52/40	64	5320	17.76
52/37	100	5500	17.76
52/39	116	5580	15.96
52/40	140	5700	17.88
52/40	144 (U-NII-2C Band)	5720	13.4
52/40	144 (U-NII-3 Band)	5720	4.48
52/37	144 (U-NII-2C Band)	5720	14.6
52/37	144 (U-NII-3 Band)	5720	3.16
52/37	149	5745	18
52/39	157	5785	16.44
52/40	165	5825	18.24

802.11ax (RU106)

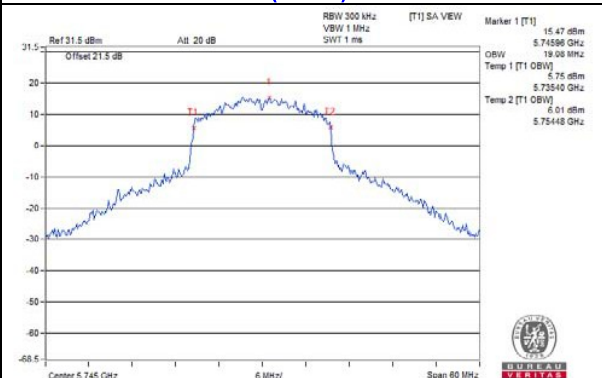
RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
106/53	36	5180	17.64
106/53	40	5200	17.64
106/54	48	5240	17.64
106/53	52	5260	17.52
106/54	60	5300	17.64
106/54	64	5320	17.64
106/53	100	5500	17.64
106/53	116	5580	17.64
106/54	140	5700	17.64
106/54	144 (U-NII-2C Band)	5720	13.28
106/54	144 (U-NII-3 Band)	5720	4.36
106/53	144 (U-NII-2C Band)	5720	14.6
106/53	144 (U-NII-3 Band)	5720	3.04
106/53	149	5745	17.76
106/54	157	5785	17.88
106/54	165	5825	17.88

Spectrum Plot of Max. Value

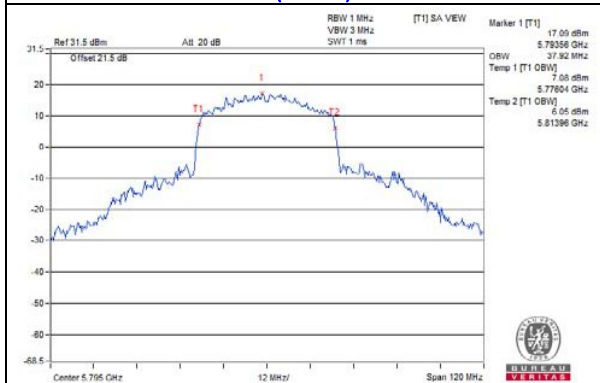
802.11a / CH149



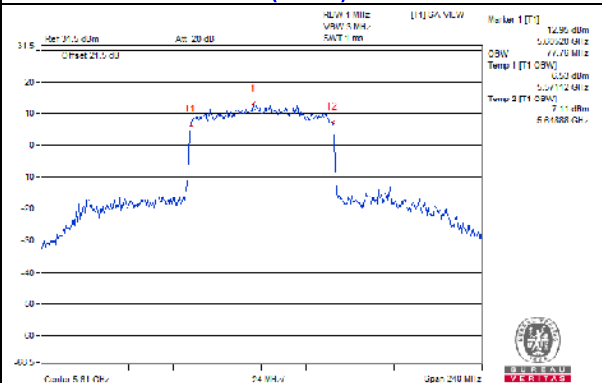
802.11ax (HE20) / CH149



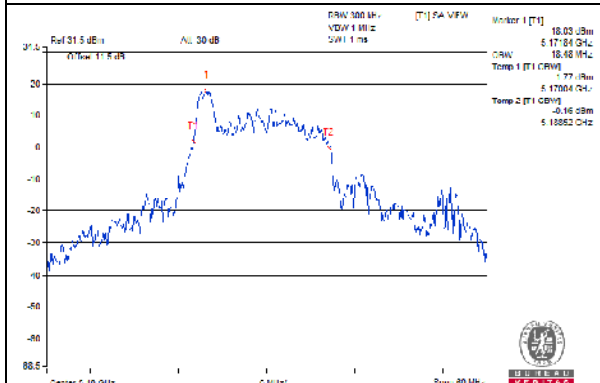
802.11ax (HE40) / CH159



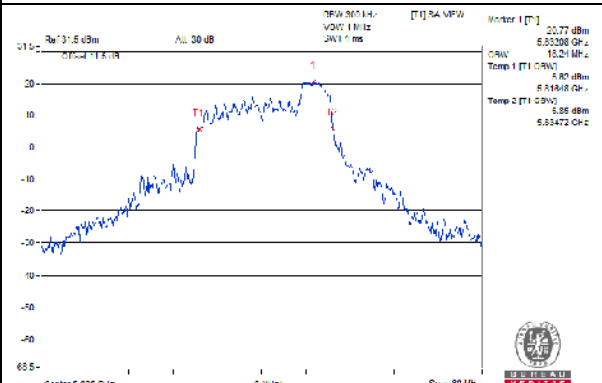
802.11ax (HE80) / CH122



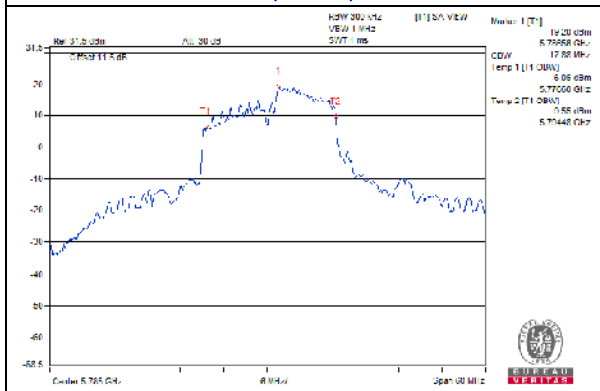
802.11ax (RU26) / CH36



802.11ax (RU52) / CH165



802.11ax (RU106) / CH157

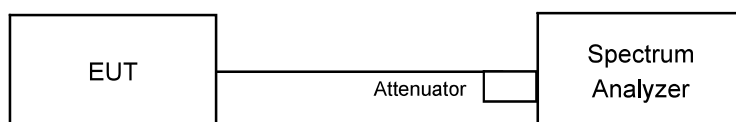


4.5 Peak Power Spectral Density Measurement

4.5.1 Limits of Peak Power Spectral Density Measurement

Operation Band	EUT Category		Limit
U-NII-1		Outdoor Access Point	17dBm/ MHz
		Fixed point-to-point Access Point	
		Indoor Access Point	
	√	Client device	11dBm/ MHz
U-NII-2A		√	11dBm/ MHz
U-NII-2C		√	11dBm/ MHz
U-NII-3		√	30dBm/ 500kHz

4.5.2 Test Setup



4.5.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.5.4 Test Procedure

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

Using method SA-1

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
3. Sweep time = auto, trigger set to "free run".
4. Trace average at least 100 traces in power averaging mode.
5. Record the max value

For U-NII-3 band:

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS
3. Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.
4. Scale the observed power level to an equivalent value in 500 kHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where $BWCF = 10\log(500\text{ kHz}/300\text{ kHz})$
5. Sweep time = auto, trigger set to "free run".
6. Trace average at least 100 traces in power averaging mode.
7. Record the max value

4.5.5 Deviation from Test Standard

No deviation.

4.5.6 EUT Operating Condition

Same as Item 4.3.6.

4.5.7 Test Results (Mode 1)

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

CDD Mode

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	6.01	5.22	8.64	8.99	Pass
40	5200	6.02	5.25	8.66	8.99	Pass
48	5240	5.74	5.15	8.47	8.99	Pass
52	5260	6.19	5.65	8.94	8.99	Pass
60	5300	5.99	5.55	8.79	8.99	Pass
64	5320	6.12	5.55	8.85	8.99	Pass
100	5500	5.18	4.76	7.99	8.99	Pass
116	5580	5.94	5.73	8.85	8.99	Pass
140	5700	4.84	5.13	8.00	8.99	Pass
144 (U-NII-2C Band)	5720	5.55	5.88	8.73	8.99	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain is $5 \text{ dBi} + 10\log(2) = 8.01 \text{ dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(8.01-6) = 8.99 \text{ dBm}$.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	6.17	5.23	8.74	8.99	Pass
40	5200	6.20	5.26	8.77	8.99	Pass
48	5240	6.06	5.23	8.68	8.99	Pass
52	5260	5.94	5.44	8.71	8.99	Pass
60	5300	5.92	5.36	8.66	8.99	Pass
64	5320	6.02	5.32	8.69	8.99	Pass
100	5500	5.59	5.08	8.35	8.99	Pass
116	5580	6.04	5.76	8.91	8.99	Pass
140	5700	5.42	5.67	8.56	8.99	Pass
144 (U-NII-2C Band)	5720	5.38	5.97	8.70	8.99	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain is $5 \text{ dBi} + 10\log(2) = 8.01 \text{ dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(8.01-6) = 8.99 \text{ dBm}$.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
38	5190	1.81	1.20	4.53	8.99	Pass
46	5230	5.79	5.32	8.57	8.99	Pass
54	5270	5.78	5.58	8.69	8.99	Pass
62	5310	1.84	1.61	4.74	8.99	Pass
102	5510	0.46	0.20	3.34	8.99	Pass
110	5550	5.68	5.82	8.76	8.99	Pass
134	5670	2.08	2.78	5.45	8.99	Pass
142 (U-NII-2C Band)	5710	5.06	5.69	8.40	8.99	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain is $5 \text{ dBi} + 10\log(2) = 8.01 \text{ dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(8.01-6) = 8.99 \text{ dBm}$.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
42	5210	-3.60	-4.55	-1.04	8.99	Pass
58	5290	-2.10	-2.55	0.69	8.99	Pass
106	5530	-4.01	-4.37	-1.18	8.99	Pass
122	5610	-0.02	-0.19	2.91	8.99	Pass
138 (U-NII-2C Band)	5690	0.77	1.08	3.94	8.99	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain is $5 \text{ dBi} + 10\log(2) = 8.01 \text{ dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(8.01-6) = 8.99 \text{ dBm}$.

802.11ax (RU26)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
26/0	36	5180	5.50	6.17	8.86	8.99	Pass
26/4	40	5200	5.78	5.74	8.77	8.99	Pass
26/8	48	5240	5.31	6.45	8.93	8.99	Pass
26/0	52	5260	5.29	6.43	8.91	8.99	Pass
26/4	60	5300	5.66	5.88	8.78	8.99	Pass
26/8	64	5320	5.14	6.49	8.88	8.99	Pass
26/0	100	5500	5.16	6.41	8.84	8.99	Pass
26/4	116	5580	5.84	6.09	8.98	8.99	Pass
26/8	140	5700	5.12	6.68	8.98	8.99	Pass
26/8	144 (U-NII-2C Band)	5720	-20.82	-19.03	-16.82	8.99	Pass
26/0	144 (U-NII-2C Band)	5720	5.22	6.35	8.83	8.99	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain is $5 \text{ dBi} + 10\log(2) = 8.01 \text{ dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (8.01 - 6) = 8.99 \text{ dBm}$.

802.11ax (RU52)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
52/37	36	5180	5.55	5.93	8.75	8.99	Pass
52/39	40	5200	6.02	5.87	8.96	8.99	Pass
52/40	48	5240	4.77	5.99	8.43	8.99	Pass
52/37	52	5260	5.28	5.99	8.66	8.99	Pass
52/39	60	5300	5.86	5.94	8.91	8.99	Pass
52/40	64	5320	4.86	6.22	8.60	8.99	Pass
52/37	100	5500	5.47	6.23	8.88	8.99	Pass
52/39	116	5580	5.75	5.97	8.87	8.99	Pass
52/40	140	5700	4.17	6.02	8.20	8.99	Pass
52/40	144 (U-NII-2C Band)	5720	-6.59	-4.82	-2.61	8.99	Pass
52/37	144 (U-NII-2C Band)	5720	6.37	5.33	8.89	8.99	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain is $5 \text{ dBi} + 10\log(2) = 8.01 \text{ dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(8.01-6) = 8.99 \text{ dBm}$.

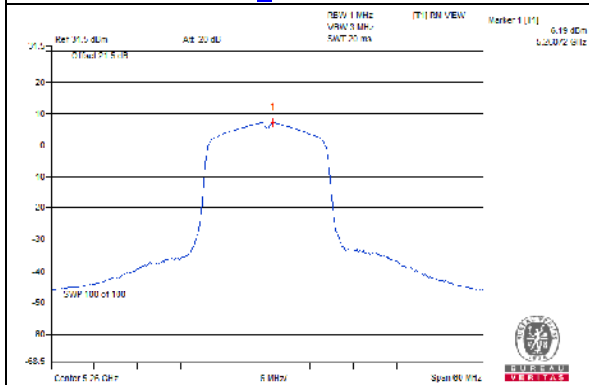
802.11ax (RU106)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
106/53	36	5180	5.66	5.77	8.73	8.99	Pass
106/53	40	5200	5.70	5.84	8.78	8.99	Pass
106/54	48	5240	5.89	5.85	8.88	8.99	Pass
106/53	52	5260	5.51	5.90	8.72	8.99	Pass
106/54	60	5300	5.85	5.84	8.86	8.99	Pass
106/54	64	5320	5.73	5.94	8.85	8.99	Pass
106/53	100	5500	5.37	5.91	8.66	8.99	Pass
106/53	116	5580	5.45	6.02	8.75	8.99	Pass
106/54	140	5700	5.28	5.95	8.64	8.99	Pass
106/54	144 (U-NII-2C Band)	5720	5.32	5.93	8.65	8.99	Pass
106/53	144 (U-NII-2C Band)	5720	5.57	4.84	8.23	8.99	Pass

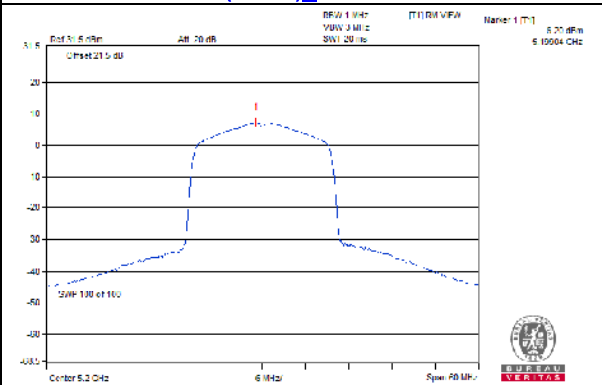
- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain is $5 \text{ dBi} + 10\log(2) = 8.01 \text{ dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (8.01 - 6) = 8.99 \text{ dBm}$.

Spectrum Plot of Worst Value

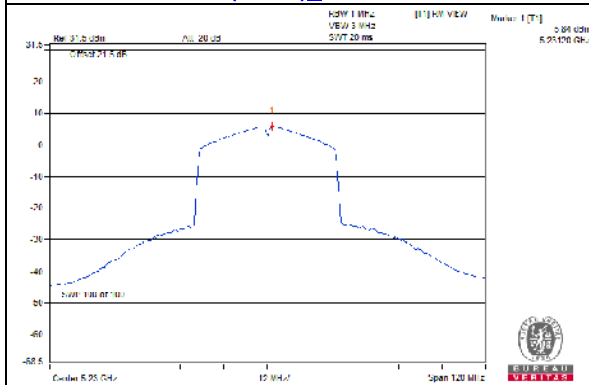
802.11a_Chain 0 / CH52



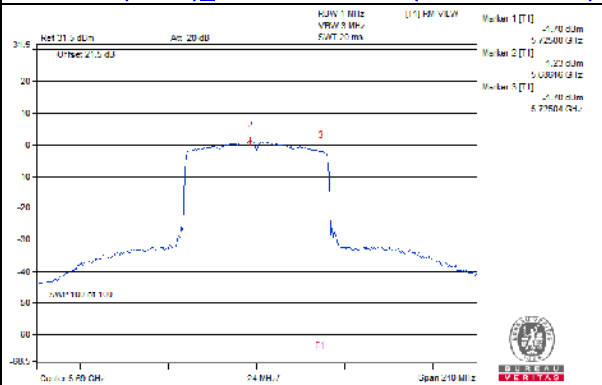
802.11ax (HE20)_Chain 0 / CH40



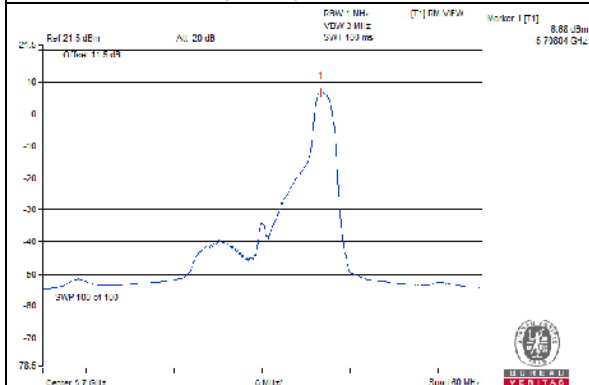
802.11ax (HE40)_Chain 0 / CH46



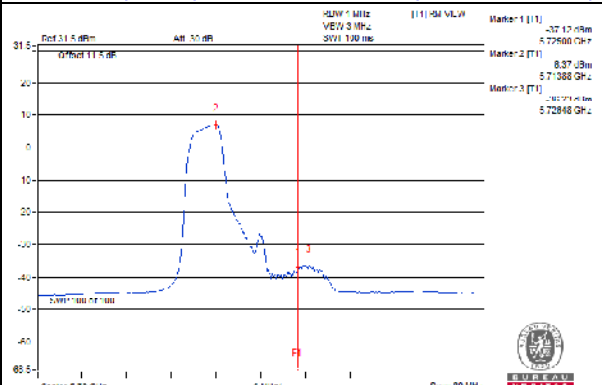
802.11ax (HE80)_Chain 1 / CH138 (U-NII-2C Band)



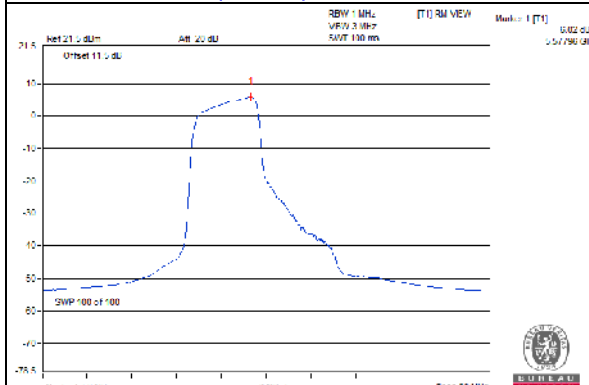
802.11ax (RU26)_Chain 1 / CH140



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 $5 \text{ dBi} + 10\log(2) = 8.01 \text{ dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30-(8.01-6) = 27.99 \text{ dBm}$.

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 $5 \text{ dBi} + 10\log(2) = 8.01 \text{ dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30-(8.01-6) = 27.99 \text{ dBm}$.

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 $5 \text{ dBi} + 10\log(2) = 8.01 \text{ dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30-(8.01-6) = 27.99 \text{ dBm}$.

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 $5 \text{ dBi} + 10\log(2) = 8.01 \text{ dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30-(8.01-6) = 27.99 \text{ dBm}$.

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 $5 \text{ dBi} + 10\log(2) = 8.01 \text{ dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30-(8.01-6) = 27.99 \text{ dBm}$.

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 $5 \text{ dBi} + 10\log(2) = 8.01 \text{ dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30-(8.01-6) = 27.99 \text{ dBm}$.

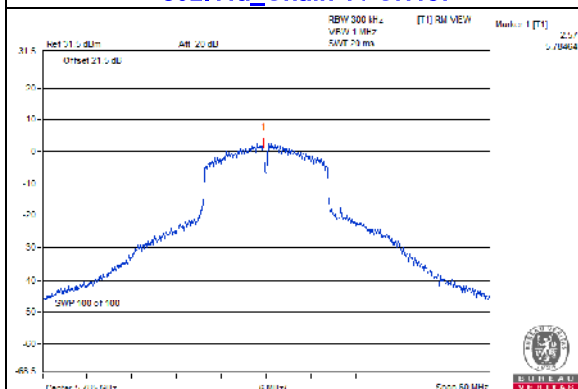
802.11ax (RU106)

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

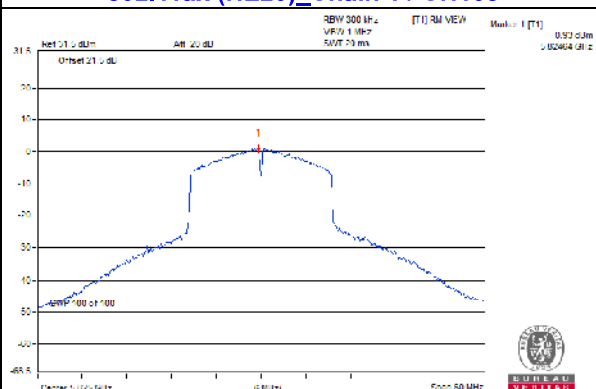
Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain is $5 \text{ dBi} + 10\log(2) = 8.01 \text{ dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30-(8.01-6) = 27.99 \text{ dBm}$.

Spectrum Plot of Worst Value

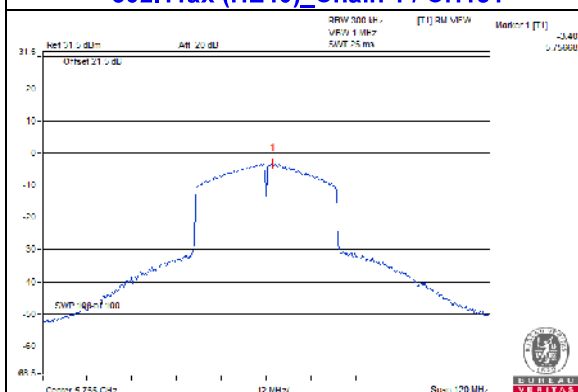
802.11a_Chain 1 / CH157



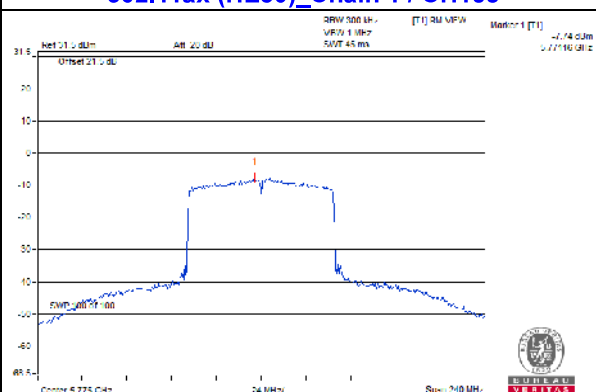
802.11ax (HE20)_Chain 1 / CH165



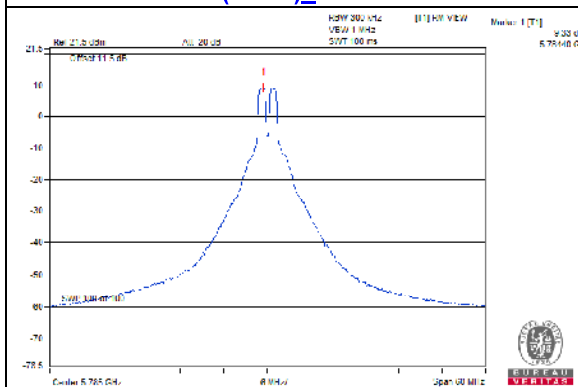
802.11ax (HE40)_Chain 1 / CH151



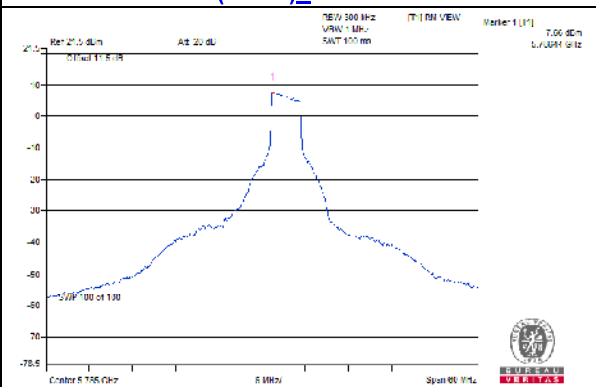
802.11ax (HE80)_Chain 1 / CH155



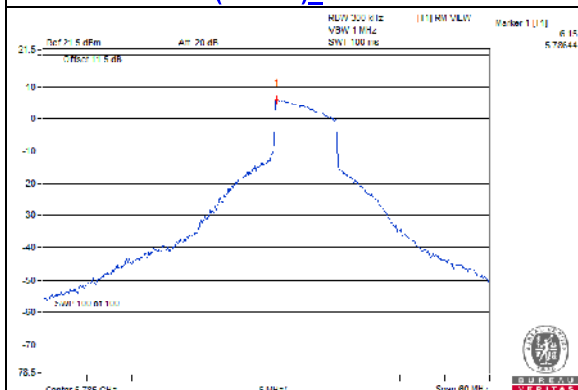
802.11ax (RU26)_Chain 1 / CH157



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)

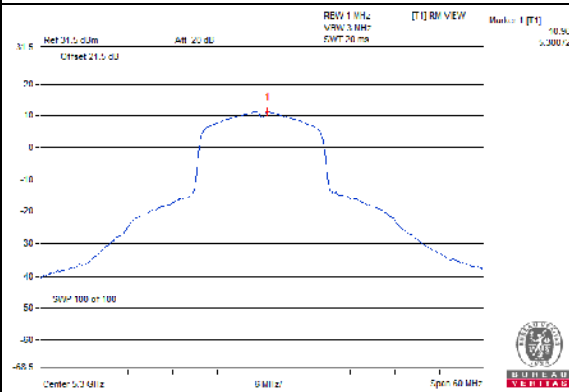
RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
52/37	36	5180	10.92	11.00	Pass
52/39	40	5200	10.81	11.00	Pass
52/40	48	5240	10.70	11.00	Pass
52/37	52	5260	10.90	11.00	Pass
52/39	60	5300	10.92	11.00	Pass
52/40	64	5320	10.73	11.00	Pass
52/37	100	5500	10.75	11.00	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)

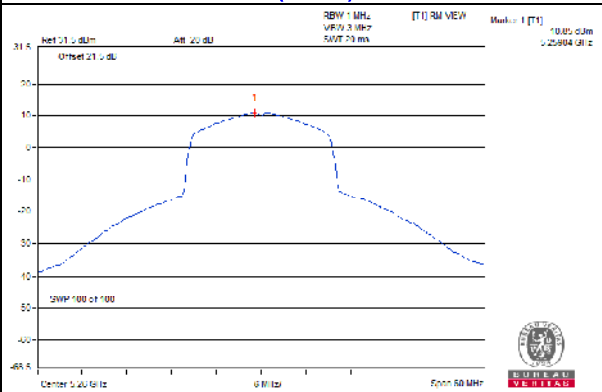
RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
106/53	36	5180	10.85	11.00	Pass
106/53	40	5200	10.74	11.00	Pass
106/54	48	5240	10.70	11.00	Pass
106/53	52	5260	10.84	11.00	Pass
106/54	60	5300	10.89	11.00	Pass
106/54	64	5320	10.85	11.00	Pass
106/53	100	5500	10.73	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

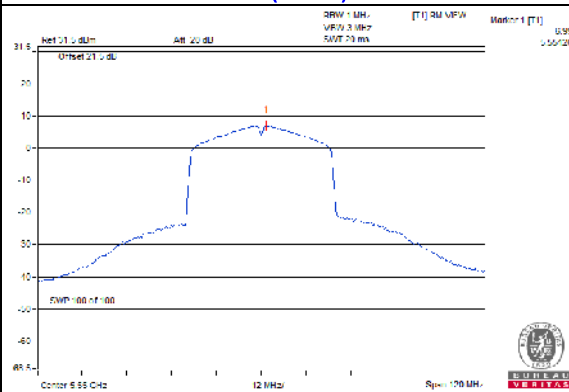
802.11a / CH60



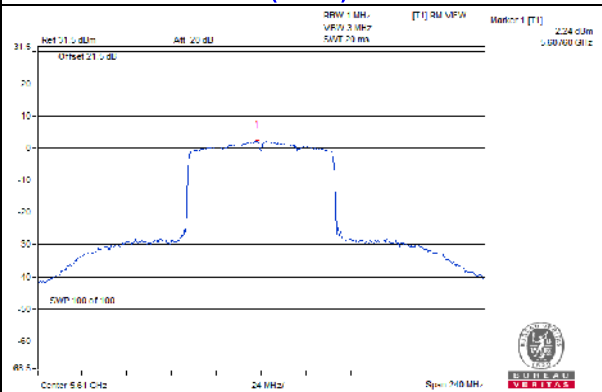
802.11ax (HE20) / CH52



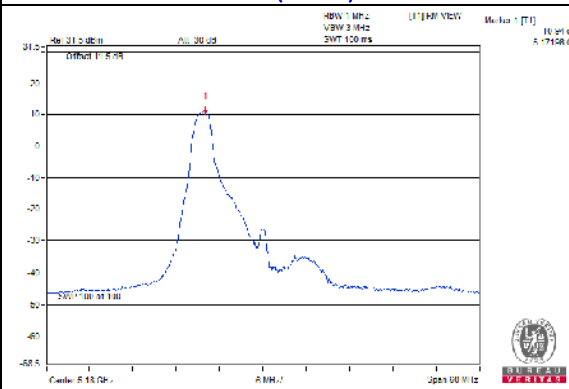
802.11ax (HE40) / CH110



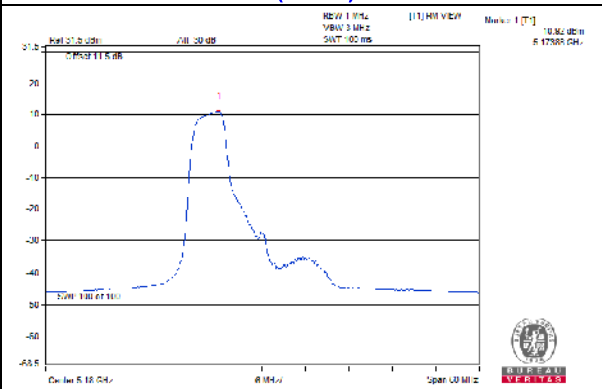
802.11ax (HE80) / CH122



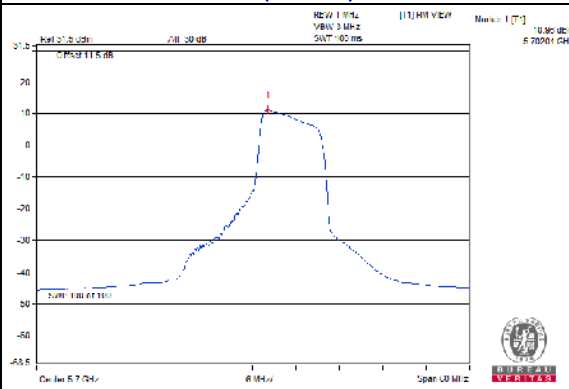
802.11ax (RU26) / CH36



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)

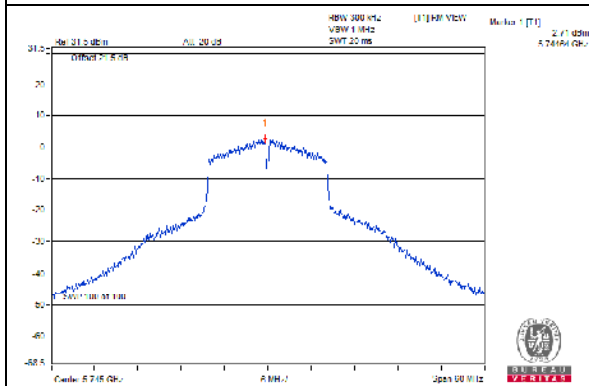
RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
52/40	144 (U-NII-3 Band)	5720	2.14	4.36	30.00	Pass
52/37	144 (U-NII-3 Band)	5720	-42.62	-40.40	30.00	Pass
52/37	149	5745	7.10	9.32	30.00	Pass
52/39	157	5785	7.30	9.52	30.00	Pass
52/40	165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

802.11ax (RU106)

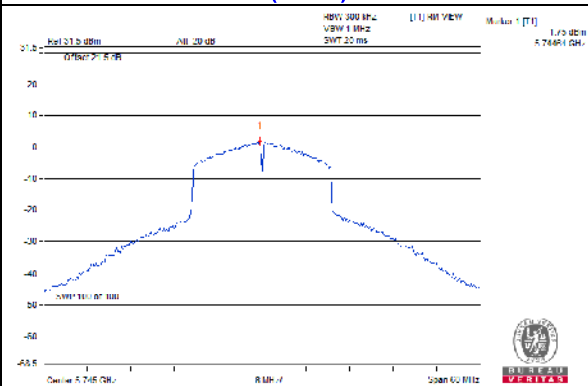
RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
106/54	144 (U-NII-3 Band)	5720	-0.23	1.99	30.00	Pass
106/53	144 (U-NII-3 Band)	5720	-34.50	-32.28	30.00	Pass
106/53	149	5745	5.01	7.23	30.00	Pass
106/54	157	5785	5.55	7.77	30.00	Pass
106/54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

Spectrum Plot of Worst Value

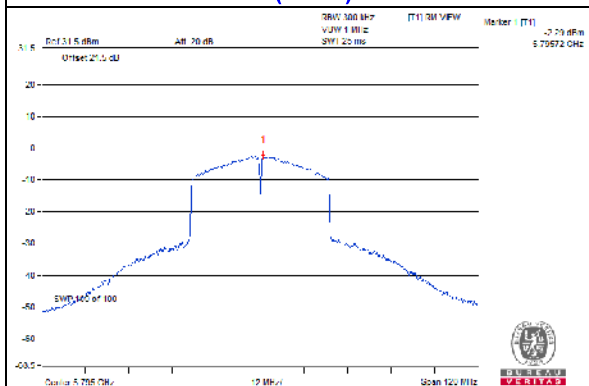
802.11a / CH149



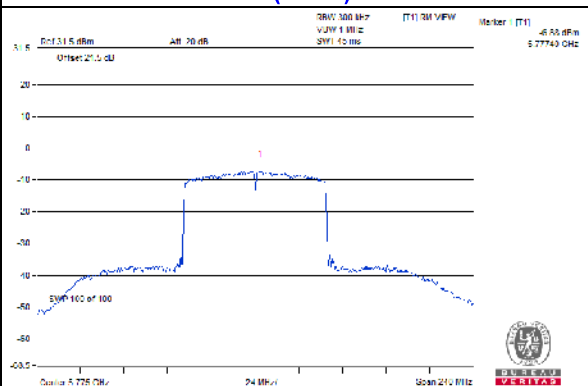
802.11ax (HE20) / CH149



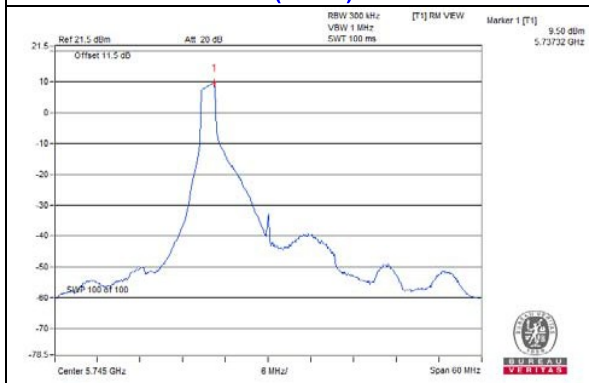
802.11ax (HE40) / CH159



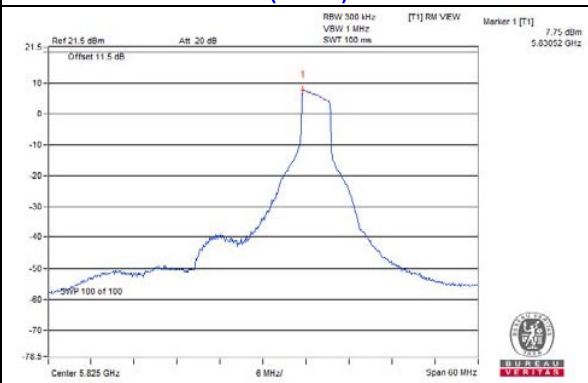
802.11ax (HE80) / CH155



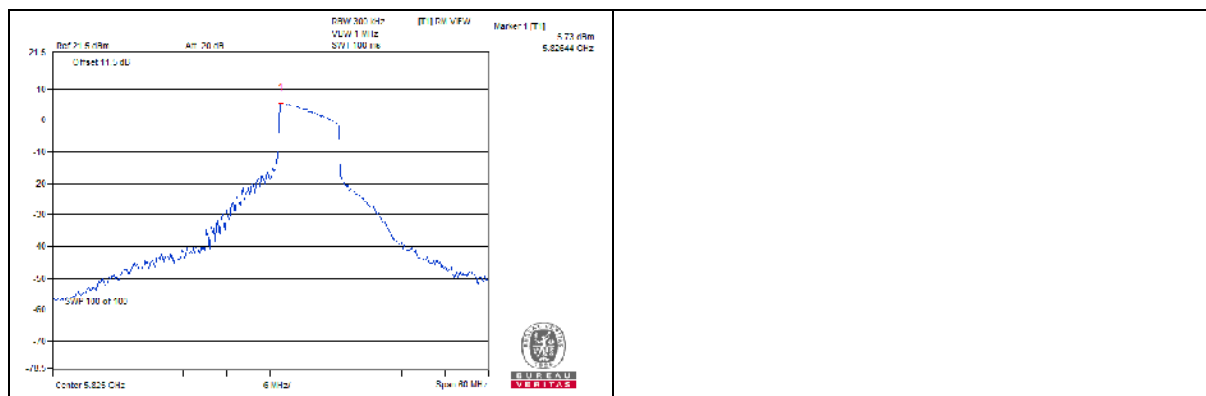
802.11ax (RU26) / CH149



802.11ax (RU52) / CH165



802.11ax (RU106) / CH165

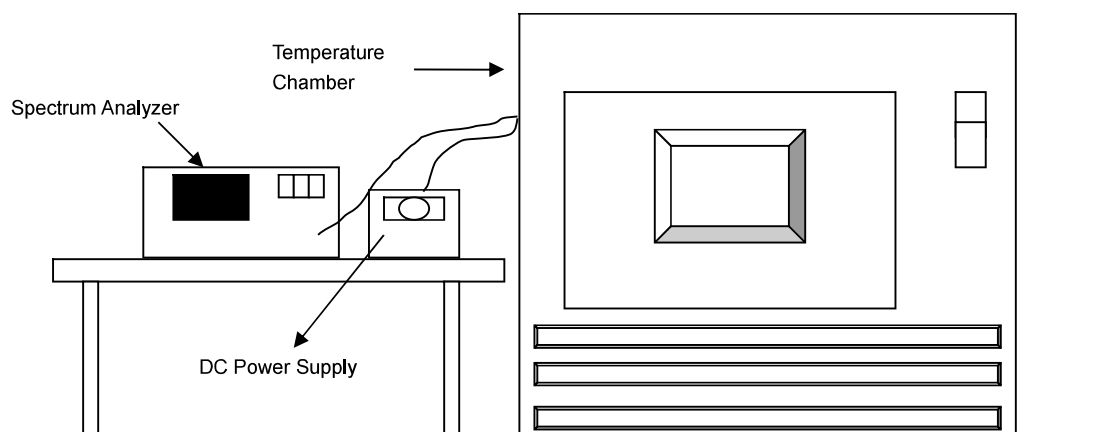


4.6 Frequency Stability Measurement

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

- The EUT was placed inside the environmental test chamber and powered by nominal DC voltage.
- Turn the EUT on and couple its output to a spectrum analyzer.
- Turn the EUT off and set the chamber to the highest temperature specified.
- 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.
- 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. (°C)	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

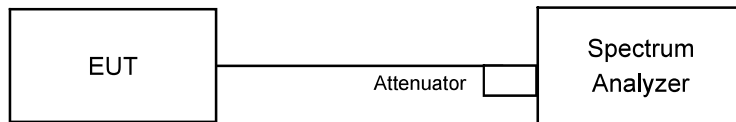
Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
TEMP. (°C)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail
20	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

- Set resolution bandwidth (RBW) = 100kHz
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW, Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- 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)

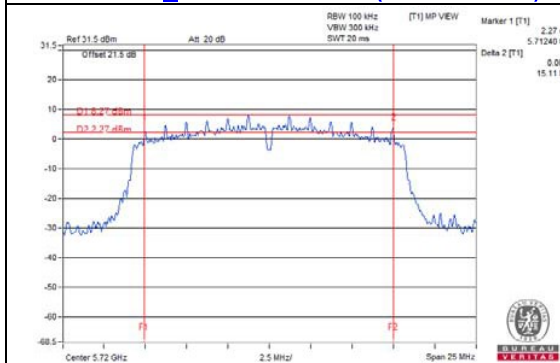
RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Pass / Fail
			Chain 0	Chain 1	
52/40	144 (U-NII-3 Band)	5720	4.41	4.41	Pass
52/37	149	5745	17.01	16.98	Pass
52/39	157	5785	10.42	10.43	Pass
52/40	165	5825	15.78	16.97	Pass

802.11ax (RU106)

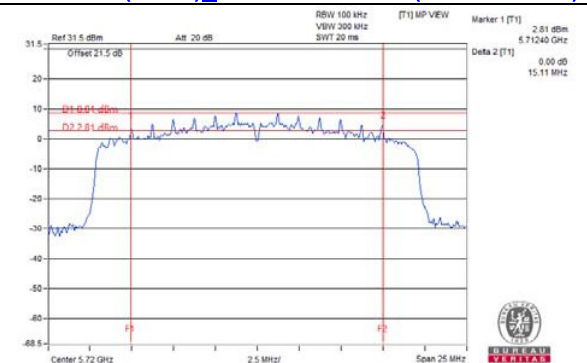
RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Pass / Fail
			Chain 0	Chain 1	
106/54	144 (U-NII-3 Band)	5720	3.43	3.47	Pass
106/53	149	5745	16.91	15.78	Pass
106/54	157	5785	16.05	17.01	Pass
106/54	165	5825	16.96	17.01	Pass

Spectrum Plot of Worst Value

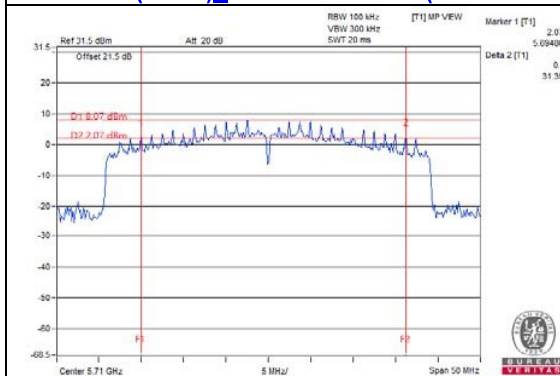
802.11a_Chain 0 / CH144 (U-NII-3 Band)



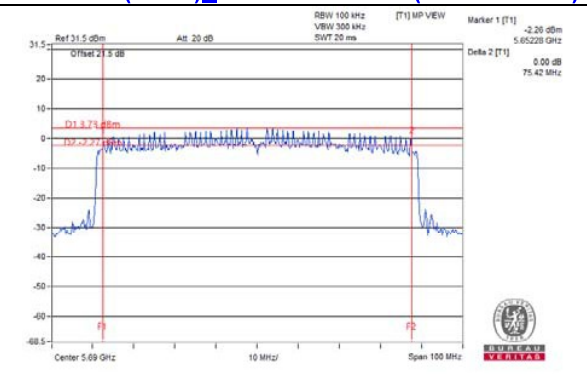
802.11ax (HE20)_Chain 1 / CH144 (U-NII-3 Band)



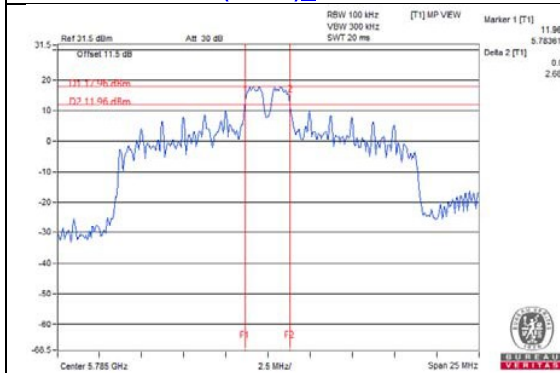
802.11ax (HE40)_Chain 1 / CH142 (U-NII-3 Band)



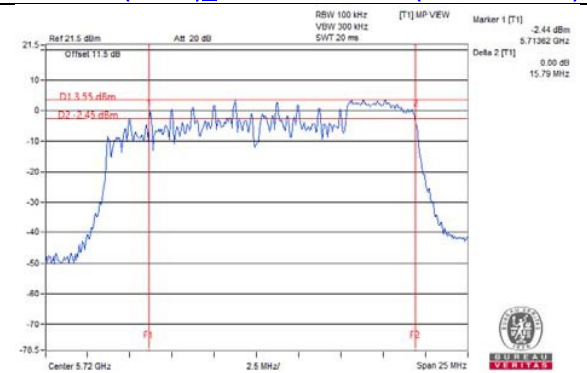
802.11ax (HE80)_Chain 1 / CH138 (U-NII-3 Band)



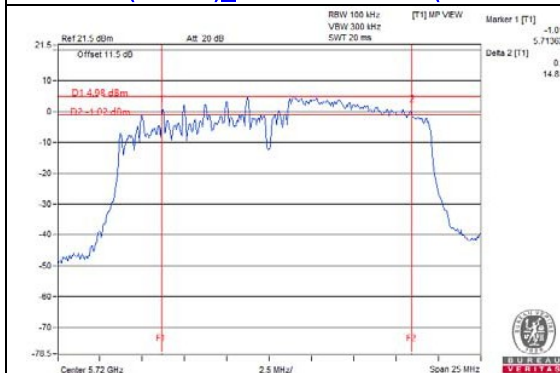
802.11ax (RU26)_Chain 0 / CH157



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

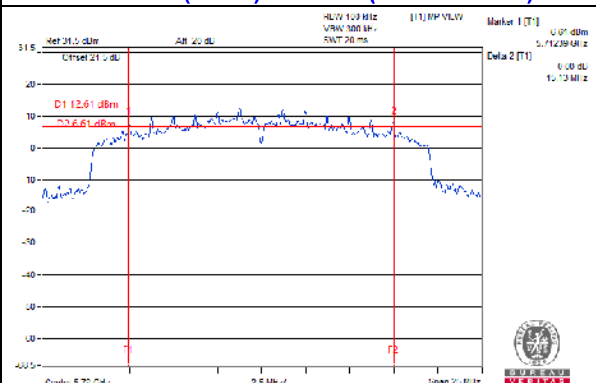
802.11ax (RU52)

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

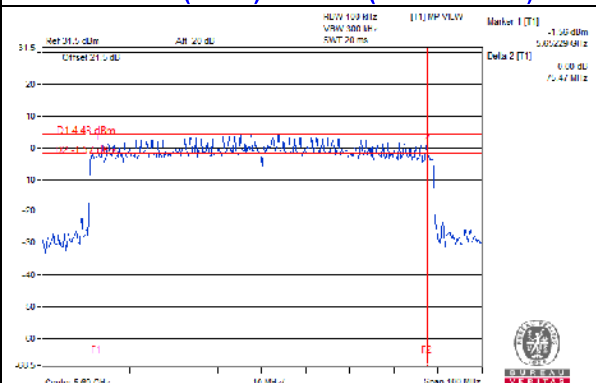
802.11ax (RU106)

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

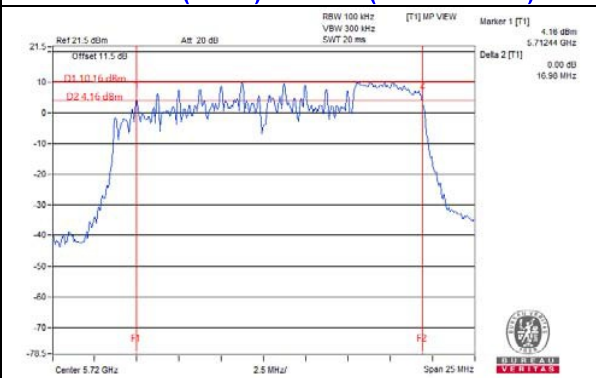
802.11ax (HE20) / CH144 (U-NII-3 Band)



802.11ax (HE80) / CH138 (U-NII-3 Band)



802.11ax (RU52) / CH144 (U-NII-3 Band)





Report Format Version:6.1.2

5 Pictures of Test Arrangements

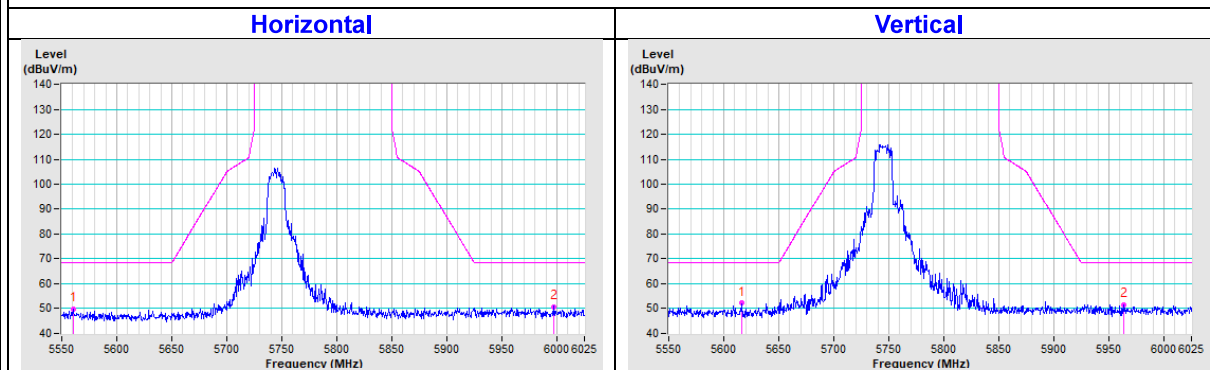
Please refer to the attached file (Test Setup Photo).

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

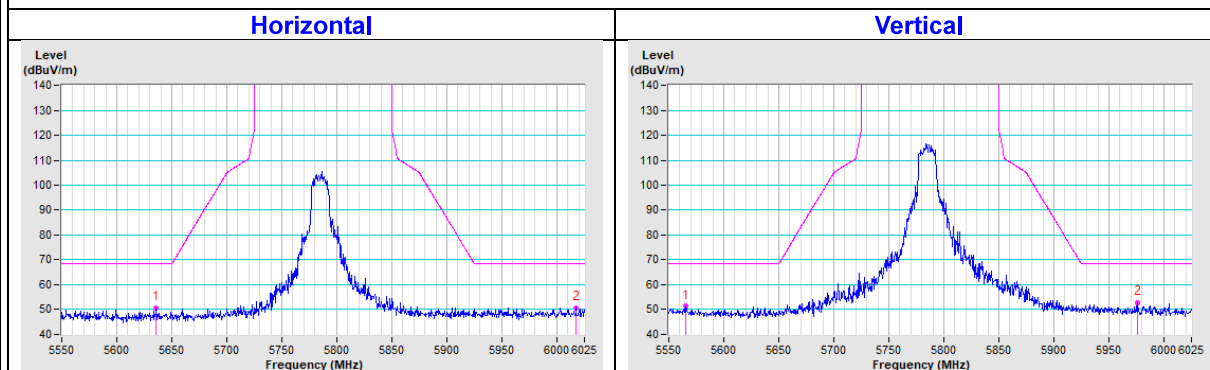
Annex A.1 - Test Results (Mode 1)

Dipole Antenna

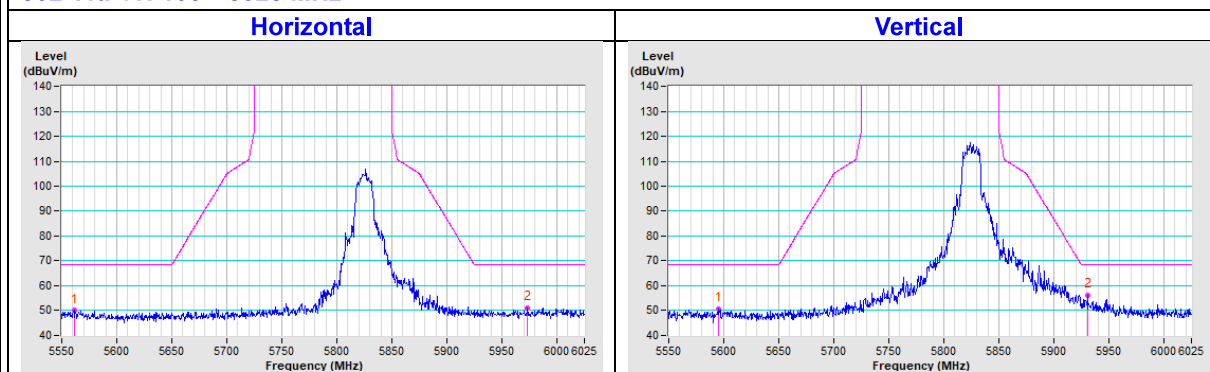
802.11a CH 149 : 5745 MHz



802.11a CH 157 : 5785 MHz

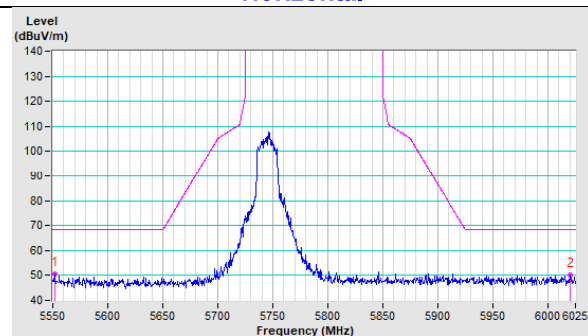


802.11a CH 165 : 5825 MHz

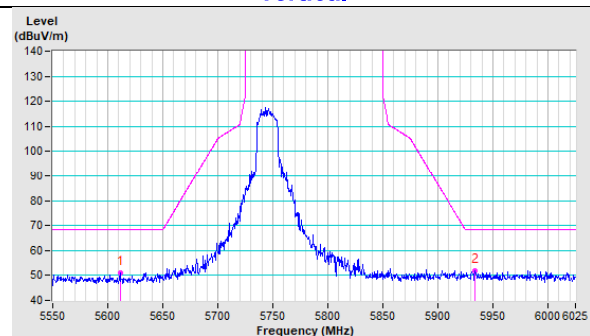


802.11ax (HE20) CH 149 : 5745 MHz

Horizontal

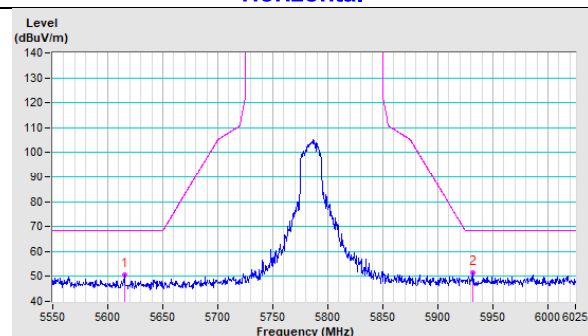


Vertical

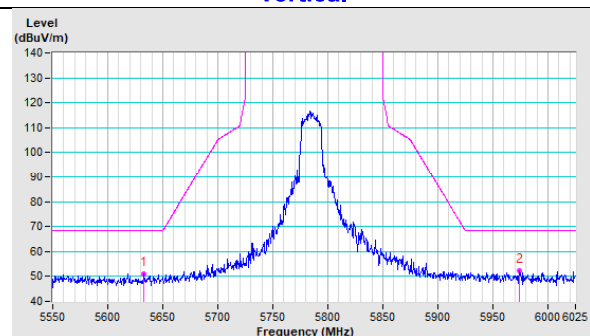


802.11ax (HE20) CH 157 : 5785 MHz

Horizontal

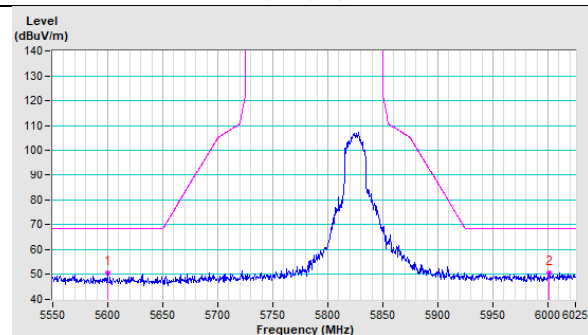


Vertical

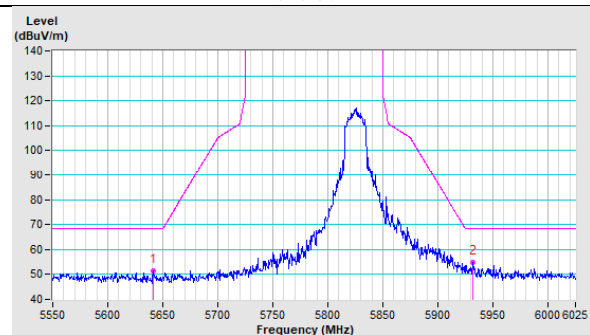


802.11ax (HE20) CH 165 : 5825 MHz

Horizontal

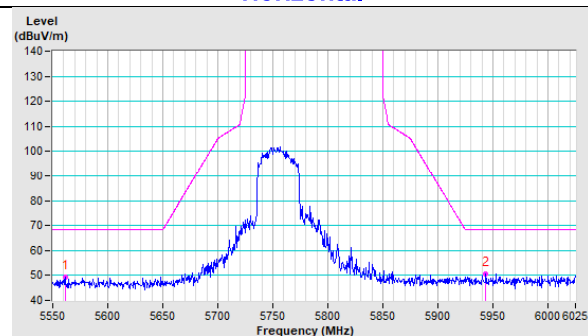


Vertical

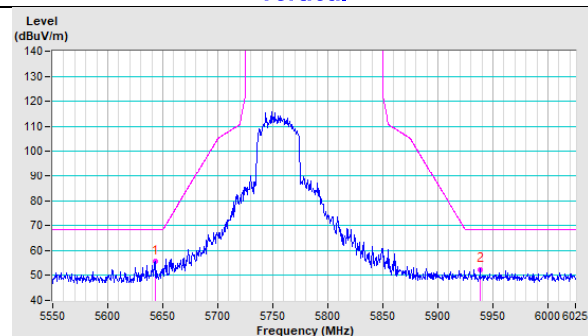


802.11ax (HE40) CH 151 : 5755 MHz

Horizontal

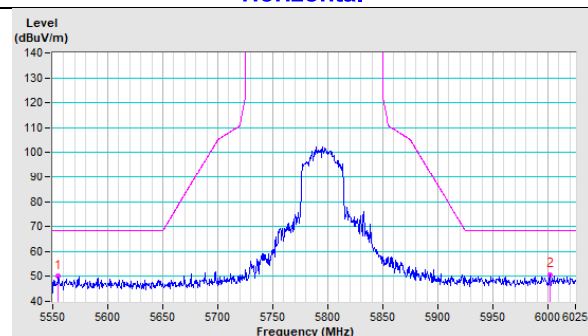


Vertical

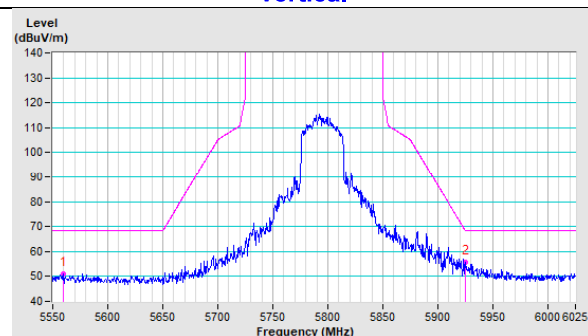


802.11ax (HE40) CH 159 : 5795 MHz

Horizontal

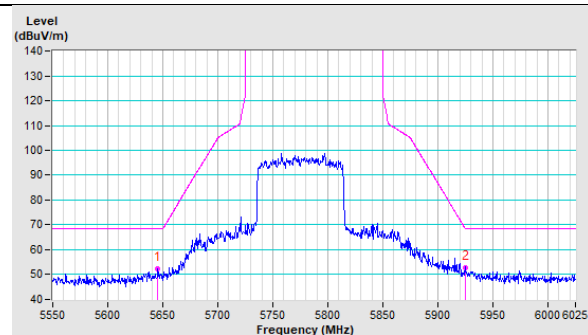


Vertical

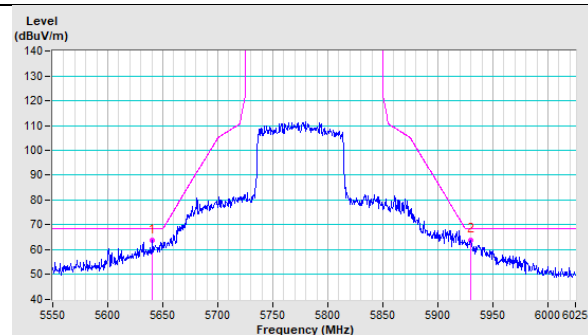


802.11ax (HE80) CH 155 : 5775 MHz

Horizontal

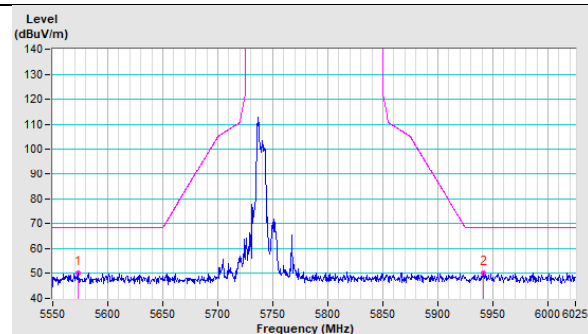


Vertical

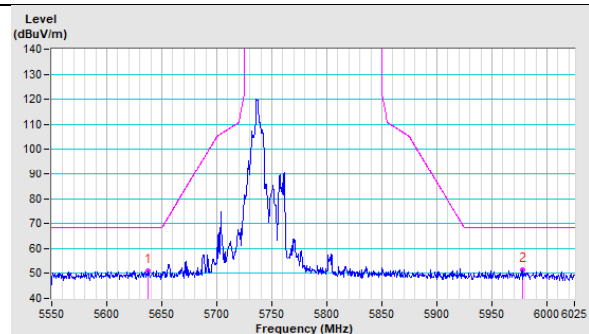


20MHz Preamble 802.11ax (RU26) CH 149 : 5745 MHz

Horizontal

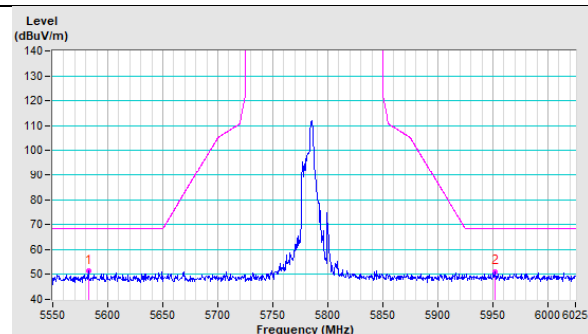


Vertical

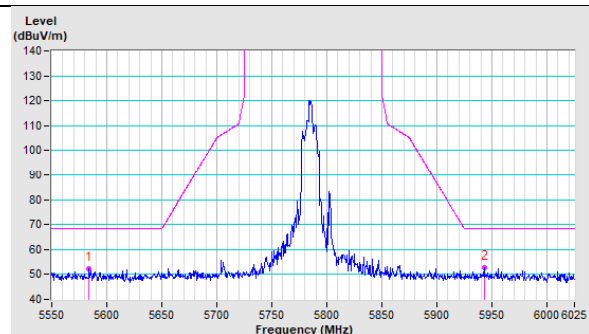


20MHz Preamble 802.11ax (RU26) CH 157 : 5785 MHz

Horizontal

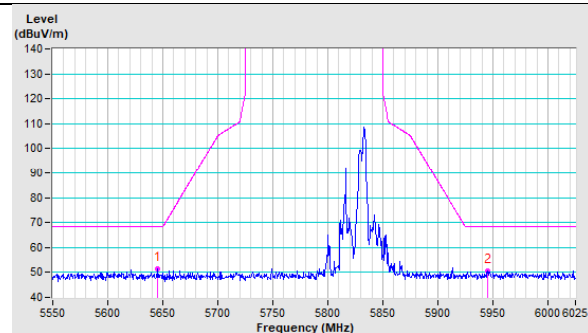


Vertical



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

Horizontal



Vertical

