

#### 4.5.8 Test Results (Mode 2)

##### For U-NII-1:

##### 802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
36	5180	-8.11	-6.31	-8.91	-7.25	0.36	-1.52	9.98	PASS
40	5200	-8.63	-6.81	-7.80	-7.99	0.36	-1.74	9.98	PASS
48	5240	-6.86	-6.41	-7.22	-6.80	0.36	-0.79	9.98	PASS

- Note:**
- 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.
  - Directional gain =  $7\text{dBi} + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $17 - (13.02 - 6) = 9.98\text{dBm}$ .
  - Refer to section 3.3 for duty cycle spectrum plot.

##### 802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
36	5180	-8.43	-8.30	-8.67	-8.15	0.19	-2.36	9.98	PASS
40	5200	-10.46	-9.29	-6.50	-6.74	0.19	-1.92	9.98	PASS
48	5240	-7.05	-7.18	-7.89	-7.23	0.19	-1.30	9.98	PASS

- Note:**
- 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.
  - Directional gain =  $7\text{dBi} + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $17 - (13.02 - 6) = 9.98\text{dBm}$ .
  - Refer to section 3.3 for duty cycle spectrum plot.

##### 802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
38	5190	-10.59	-10.92	-11.08	-11.06	0.26	-4.89	9.98	PASS
46	5230	-10.23	-10.09	-10.48	-10.22	0.26	-4.23	9.98	PASS

- Note:**
- 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.
  - Directional gain =  $7\text{dBi} + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $17 - (13.02 - 6) = 9.98\text{dBm}$ .
  - Refer to section 3.3 for duty cycle spectrum plot.

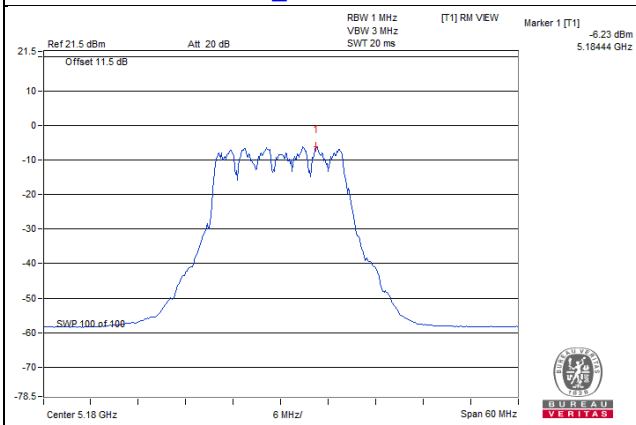
### 802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
42	5210	-13.63	-14.10	-13.76	-13.83	0.26	-7.81	9.98	PASS

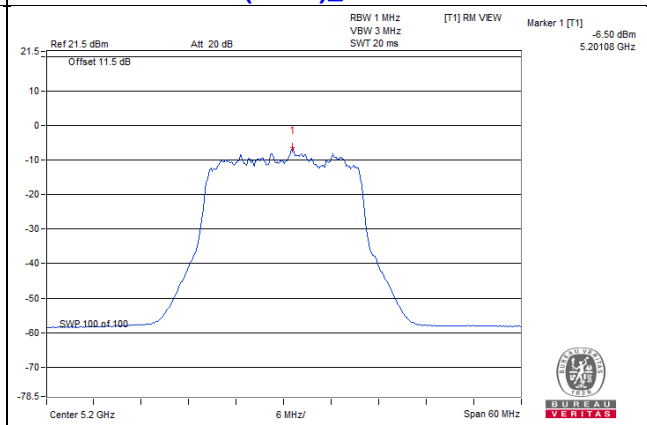
- Note:**
- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
  - Directional gain =  $7\text{dBi} + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $17 - (13.02 - 6) = 9.98\text{dBm}$ .
  - Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

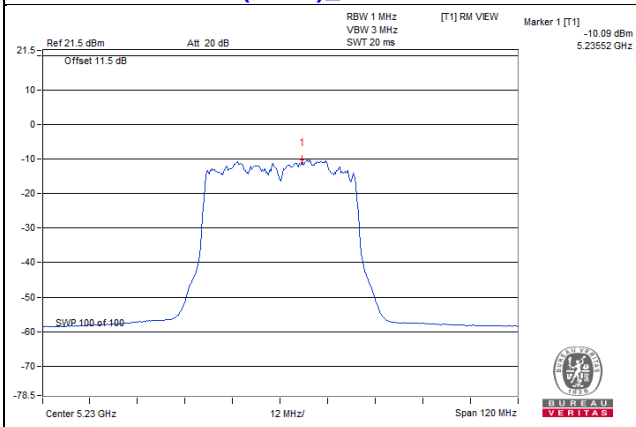
802.11a\_Chain 1 / CH36



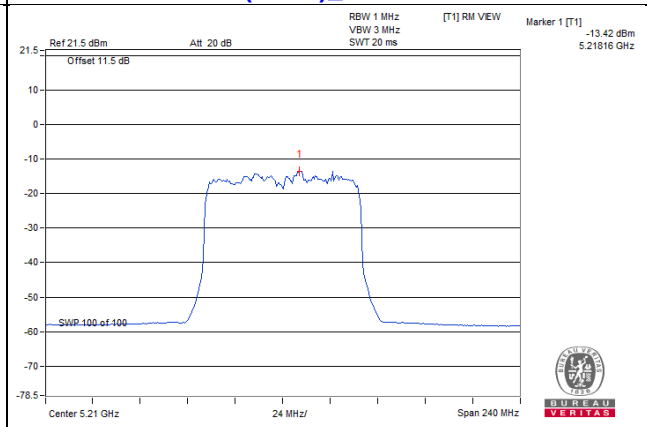
802.11ax (HE20)\_Chain 2 / CH40



802.11ax (HE40)\_Chain 1 / CH46



802.11ax (HE80)\_Chain 0 / CH42



**For U-NII-3:**
**802.11a**

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Duty Factor (dB)	Total PSD (mW/300kHz)	Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3						
149	5745	-2.63	-2.73	-2.28	-3.08	0.36	2.3472	3.71	5.93	22.98	PASS
157	5785	-3.98	-2.99	-2.56	-3.67	0.36	2.0474	3.11	5.33	22.98	PASS
165	5825	-3.64	-2.46	-2.36	-2.37	0.36	2.3446	3.70	5.92	22.98	PASS

- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.  
 2. Directional gain =  $7\text{dBi} + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $30 - (13.02 - 6) = 22.98\text{dBm}$ .  
 3. Refer to section 3.3 for duty cycle spectrum plot.

**802.11ax (HE20)**

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Duty Factor (dB)	Total PSD (mW/300kHz)	Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3						
149	5745	-3.58	-3.91	-3.86	-3.88	0.19	1.7399	2.41	4.63	22.98	PASS
157	5785	-4.56	-3.80	-4.21	-3.24	0.19	1.6929	2.29	4.51	22.98	PASS
165	5825	-4.08	-3.27	-3.77	-3.76	0.19	1.7785	2.50	4.72	22.98	PASS

- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.  
 2. Directional gain =  $7\text{dBi} + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $30 - (13.02 - 6) = 22.98\text{dBm}$ .  
 3. Refer to section 3.3 for duty cycle spectrum plot.

**802.11ax (HE40)**

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Duty Factor (dB)	Total PSD (mW/300kHz)	Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3						
151	5755	-5.53	-5.76	-5.29	-5.13	0.26	1.2176	0.86	3.08	22.98	PASS
159	5795	-4.96	-5.22	-4.49	-5.06	0.26	1.3653	1.35	3.57	22.98	PASS

- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.  
 2. Directional gain =  $7\text{dBi} + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $30 - (13.02 - 6) = 22.98\text{dBm}$ .  
 3. Refer to section 3.3 for duty cycle spectrum plot.

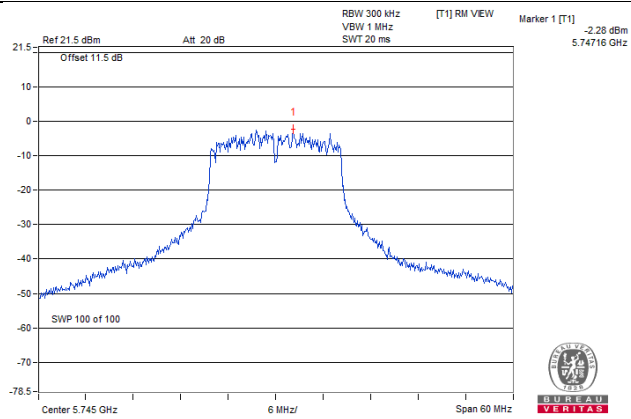
### 802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Duty Factor (dB)	Total PSD (mW/300kHz)	Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3						
155	5775	-10.93	-10.46	-10.02	-10.56	0.26	0.38021	-4.20	-1.98	22.98	PASS

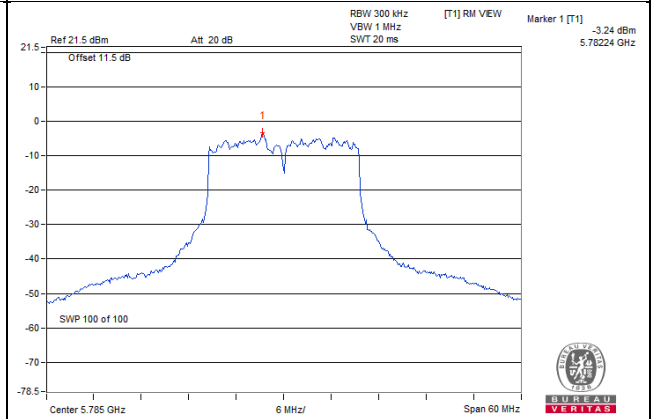
- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 7dBi + 10log(4) = 13.02dBi > 6dBi , so the power density limit shall be reduced to 30-(13.02-6) = 22.98dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

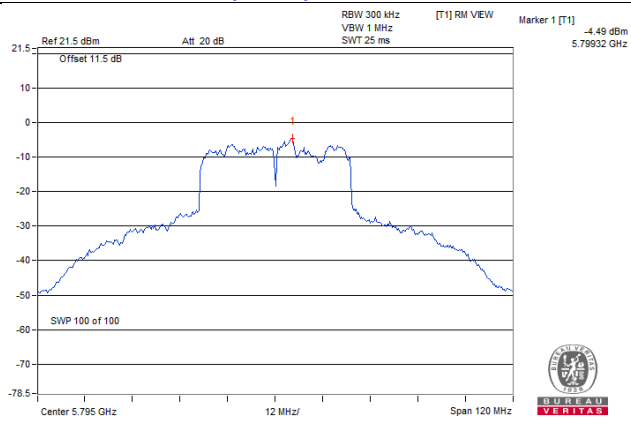
802.11a\_Chain 2 / CH149



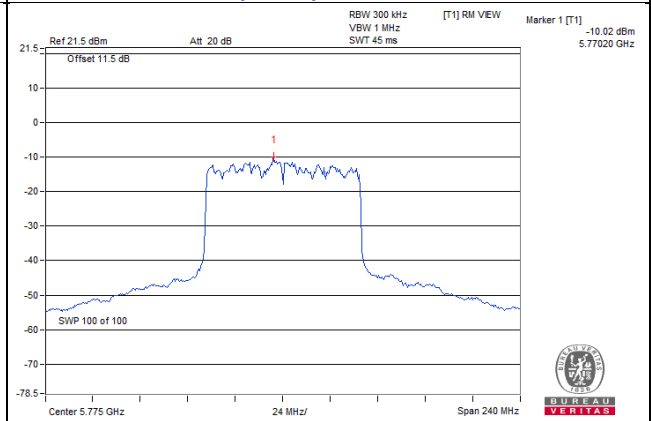
802.11ax (HE20)\_Chain 3 / CH157



802.11ax (HE40)\_Chain 2 / CH159



802.11ax (HE80)\_Chain 2 / CH155



#### 4.5.9 Test Results (Mode 3)

##### For U-NII-1:

##### 802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
36	5180	-7.13	-7.48	-7.10	-7.19	0.36	-1.20	10.48	PASS
40	5200	-7.99	-6.29	-7.72	-7.01	0.36	-1.18	10.48	PASS
48	5240	-6.92	-6.91	-6.38	-7.17	0.36	-0.81	10.48	PASS

- Note:**
- 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.
  - Directional gain =  $6.5\text{dBi} + 10\log(4) = 12.52\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $17 - (12.52 - 6) = 10.48\text{dBm}$ .
  - Refer to section 3.3 for duty cycle spectrum plot.

##### 802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
36	5180	-7.78	-8.27	-8.10	-7.41	0.19	-1.86	10.48	PASS
40	5200	-7.57	-8.01	-8.37	-6.44	0.19	-1.51	10.48	PASS
48	5240	-6.20	-7.13	-6.60	-6.47	0.19	-0.57	10.48	PASS

- Note:**
- 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.
  - Directional gain =  $6.5\text{dBi} + 10\log(4) = 12.52\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $17 - (12.52 - 6) = 10.48\text{dBm}$ .
  - Refer to section 3.3 for duty cycle spectrum plot.

##### 802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
38	5190	-9.62	-10.24	-10.95	-11.07	0.26	-4.41	10.48	PASS
46	5230	-9.07	-9.50	-9.77	-9.39	0.26	-3.40	10.48	PASS

- Note:**
- 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.
  - Directional gain =  $6.5\text{dBi} + 10\log(4) = 12.52\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $17 - (12.52 - 6) = 10.48\text{dBm}$ .
  - Refer to section 3.3 for duty cycle spectrum plot.

### 802.11ax (HE80)

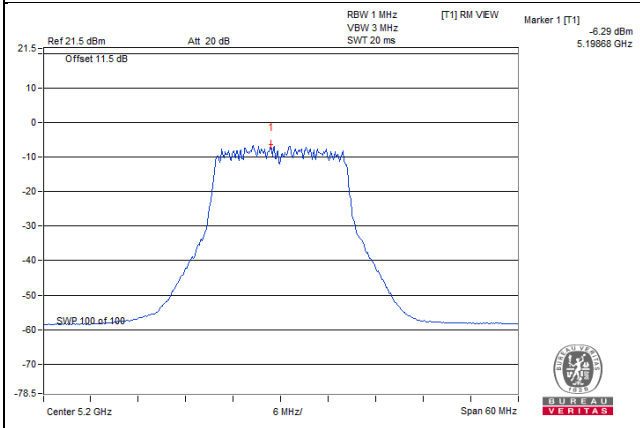
Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
42	5210	-13.41	-13.80	-13.53	-13.37	0.26	-7.50	10.48	PASS

- 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. Directional gain =  $6.5\text{dBi} + 10\log(4) = 12.52\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $17 - (12.52 - 6) = 10.48\text{dBm}$ .
  3. Refer to section 3.3 for duty cycle spectrum plot.

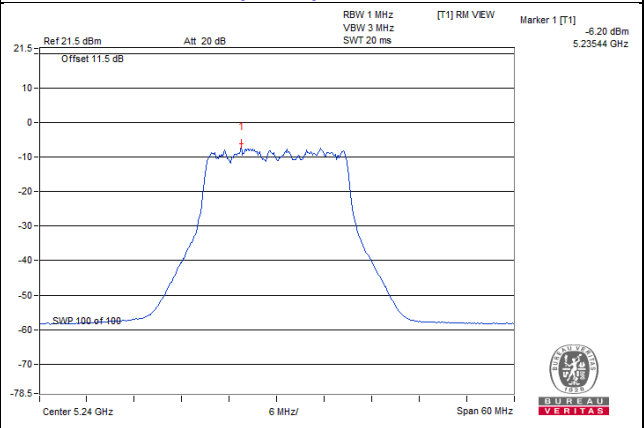


Spectrum Plot of Worst Value

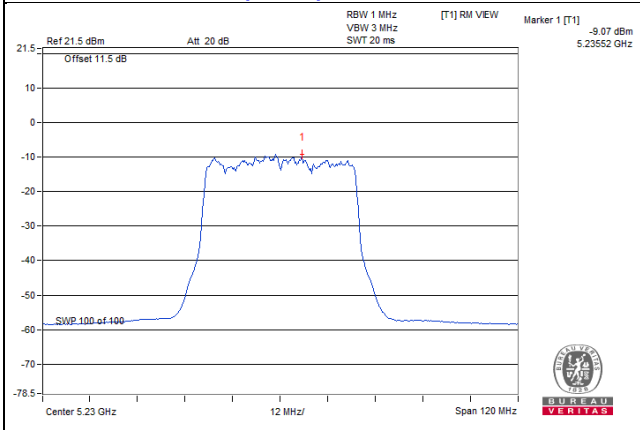
802.11a\_Chain 1 / CH40 5200



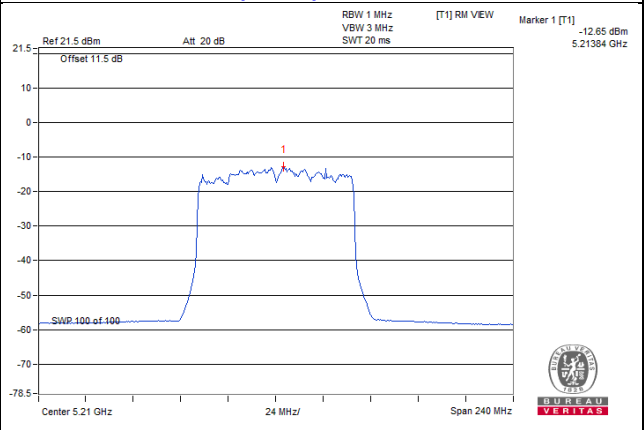
802.11ax (HE20)\_Chain 0 / CH48



802.11ax (HE40)\_Chain 0 / CH46



802.11ax (HE80)\_Chain 3 / CH42



**For U-NII-3:**
**802.11a**

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Duty Factor (dB)	Total PSD (mW/300kHz)	Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3						
149	5745	-5.92	-5.71	-5.71	-5.98	0.36	1.1345	0.55	2.77	23.48	PASS
157	5785	-5.59	-5.39	-5.93	-5.67	0.36	1.1845	0.74	2.96	23.48	PASS
165	5825	-6.65	-6.37	-7.36	-5.73	0.36	0.9745	-0.11	2.11	23.48	PASS

- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.  
 2. Directional gain =  $6.5\text{dBi} + 10\log(4) = 12.52\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $30 - (12.52 - 6) = 23.48\text{dBm}$ .  
 3. Refer to section 3.3 for duty cycle spectrum plot.

**802.11ax (HE20)**

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Duty Factor (dB)	Total PSD (mW/300kHz)	Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3						
149	5745	-5.08	-4.40	-5.43	-4.48	0.19	1.3753	1.38	3.60	23.48	PASS
157	5785	-5.19	-4.81	-5.51	-4.65	0.19	1.3133	1.18	3.40	23.48	PASS
165	5825	-5.13	-5.09	-4.56	-4.99	0.19	1.341	1.27	3.49	23.48	PASS

- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.  
 2. Directional gain =  $6.5\text{dBi} + 10\log(4) = 12.52\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $30 - (12.52 - 6) = 23.48\text{dBm}$ .  
 3. Refer to section 3.3 for duty cycle spectrum plot.

**802.11ax (HE40)**

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Duty Factor (dB)	Total PSD (mW/300kHz)	Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3						
151	5755	-8.19	-8.19	-7.28	-7.10	0.26	0.727	-1.38	0.84	23.48	PASS
159	5795	-8.29	-8.05	-7.91	-7.73	0.26	0.6739	-1.71	0.51	23.48	PASS

- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.  
 2. Directional gain =  $6.5\text{dBi} + 10\log(4) = 12.52\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $30 - (12.52 - 6) = 23.48\text{dBm}$ .  
 3. Refer to section 3.3 for duty cycle spectrum plot.

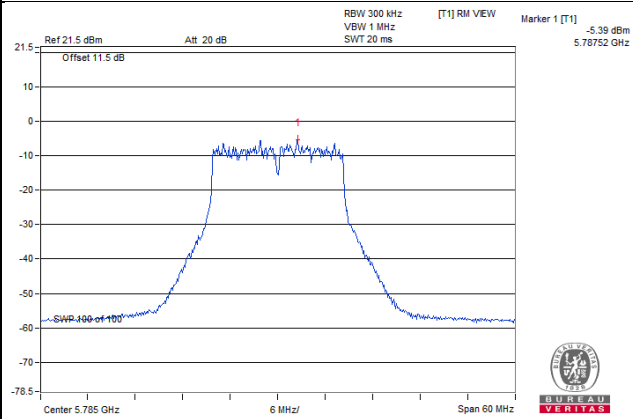
### 802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Duty Factor (dB)	Total PSD (mW/300kHz)	Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3						
155	5775	-10.19	-9.51	-10.34	-10.24	0.26	0.41912	-3.78	-1.56	23.48	PASS

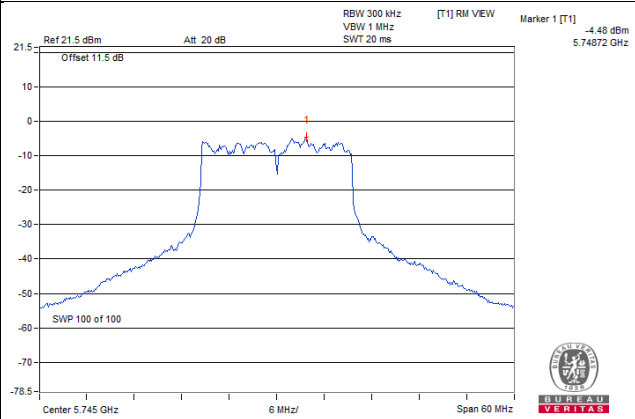
- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain =  $6.5\text{dBi} + 10\log(4) = 12.52\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $30 - (12.52 - 6) = 23.48\text{dBm}$ .
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

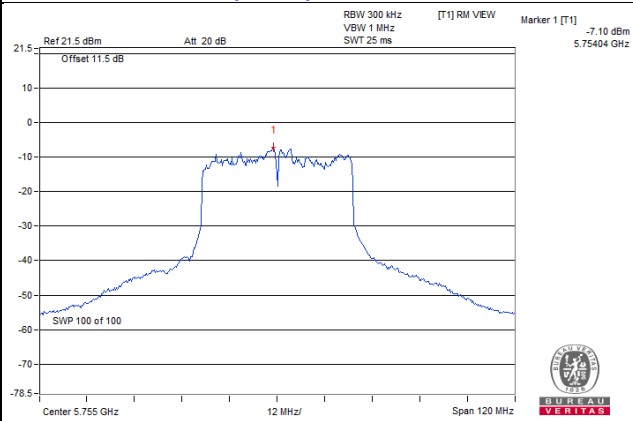
802.11a\_Chain 1 / CH157



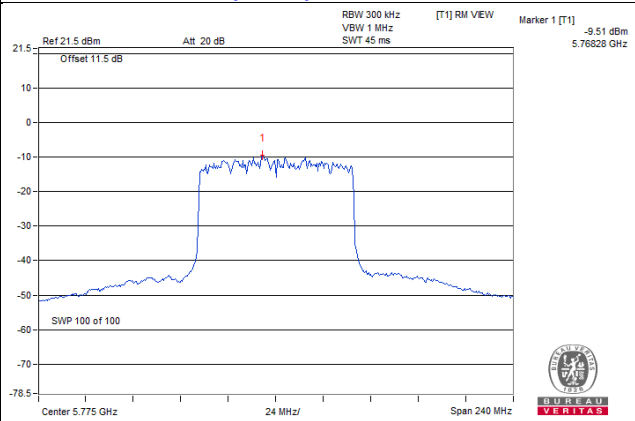
802.11ax (HE20)\_Chain 3 / CH149



802.11ax (HE40)\_Chain 3 / CH151



802.11ax (HE80)\_Chain 1 / CH155



#### 4.5.10 Test Results (Mode 4)

##### For U-NII-1:

##### 802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
36	5180	-13.59	-11.92	-11.20	-13.35	0.36	-6.38	4.98	PASS
40	5200	-12.71	-11.24	-12.28	-12.03	0.36	-6.01	4.98	PASS
48	5240	-12.98	-12.11	-12.41	-11.98	0.36	-6.33	4.98	PASS

- Note:**
- 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.
  - Directional gain =  $12\text{dBi} + 10\log(4) = 18.02\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $17 - (18.02 - 6) = 4.98\text{dBm}$ .
  - Refer to section 3.3 for duty cycle spectrum plot.

##### 802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
36	5180	-13.31	-13.15	-13.07	-13.03	0.19	-7.12	4.98	PASS
40	5200	-12.98	-12.34	-14.73	-12.01	0.19	-6.88	4.98	PASS
48	5240	-12.13	-12.26	-12.05	-11.91	0.19	-6.07	4.98	PASS

- Note:**
- 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.
  - Directional gain =  $12\text{dBi} + 10\log(4) = 18.02\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $17 - (18.02 - 6) = 4.98\text{dBm}$ .
  - Refer to section 3.3 for duty cycle spectrum plot.

##### 802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
38	5190	-16.08	-14.59	-15.80	-16.61	0.26	-9.68	4.98	PASS
46	5230	-14.55	-14.80	-14.99	-15.32	0.26	-8.89	4.98	PASS

- Note:**
- 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.
  - Directional gain =  $12\text{dBi} + 10\log(4) = 18.02\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $17 - (18.02 - 6) = 4.98\text{dBm}$ .
  - Refer to section 3.3 for duty cycle spectrum plot.

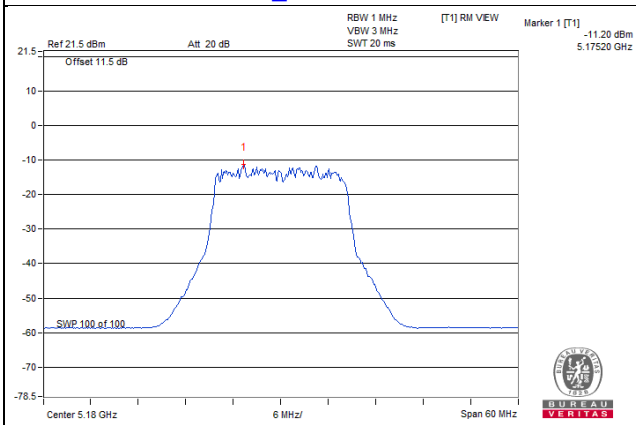
### 802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3				
42	5210	-18.17	-18.98	-19.09	-17.90	0.26	-12.48	4.98	PASS

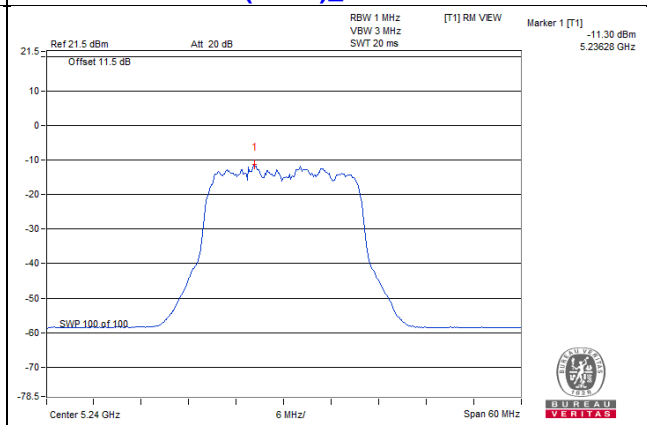
- Note:**
1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
  2. Directional gain =  $12\text{dBi} + 10\log(4) = 18.02\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $17 - (18.02 - 6) = 4.98\text{dBm}$ .
  3. Refer to section 3.3 for duty cycle spectrum plot.

### Spectrum Plot of Worst Value

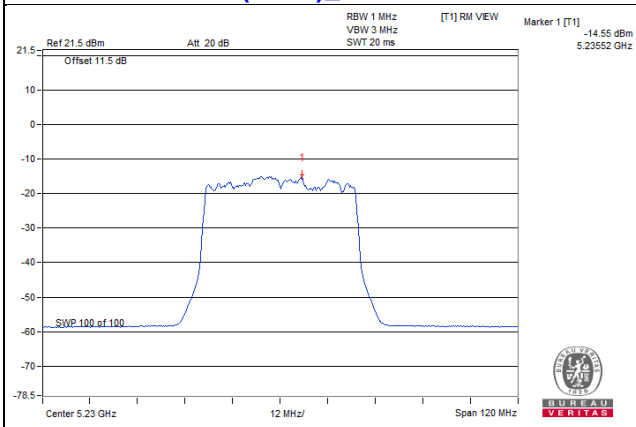
**802.11a\_Chain 2 / CH36**



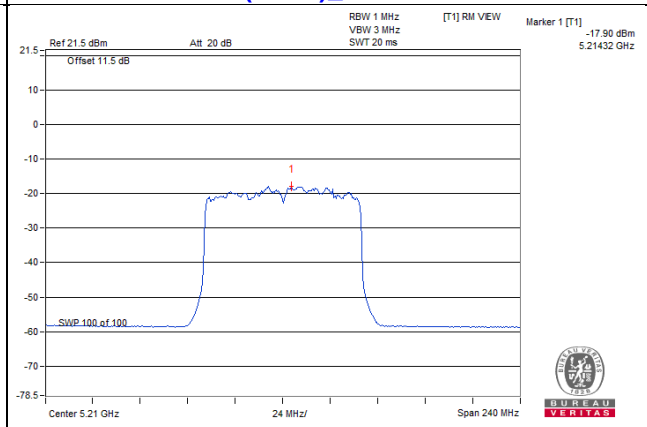
**802.11ax (HE20)\_Chain 3 / CH48**



**802.11ax (HE40)\_Chain 0 / CH46**



**802.11ax (HE80)\_Chain 3 / CH42**



**For U-NII-3:**
**802.11a**

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Duty Factor (dB)	Total PSD (mW/300kHz)	Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3						
149	5745	-4.72	-4.76	-4.91	-4.73	0.36	1.4444	1.60	3.82	17.98	PASS
157	5785	-4.99	-3.54	-4.94	-4.48	0.36	1.5592	1.93	4.15	17.98	PASS
165	5825	-4.99	-3.71	-5.33	-4.08	0.36	1.5482	1.90	4.12	17.98	PASS

- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.  
 2. Directional gain =  $12\text{dBi} + 10\log(4) = 18.02\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $30 - (18.02 - 6) = 17.98\text{dBm}$ .  
 3. Refer to section 3.3 for duty cycle spectrum plot.

**802.11ax (HE20)**

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Duty Factor (dB)	Total PSD (mW/300kHz)	Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3						
149	5745	-5.18	-6.37	-5.32	-6.77	0.19	1.0847	0.35	2.57	17.98	PASS
157	5785	-6.53	-6.84	-6.78	-6.98	0.19	0.8773	-0.57	1.65	17.98	PASS
165	5825	-5.86	-5.23	-5.35	-5.94	0.19	1.1553	0.63	2.85	17.98	PASS

- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.  
 2. Directional gain =  $12\text{dBi} + 10\log(4) = 18.02\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $30 - (18.02 - 6) = 17.98\text{dBm}$ .  
 3. Refer to section 3.3 for duty cycle spectrum plot.

**802.11ax (HE40)**

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Duty Factor (dB)	Total PSD (mW/300kHz)	Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3						
151	5755	-9.05	-8.95	-8.49	-8.94	0.26	0.5526	-2.58	-0.36	17.98	PASS
159	5795	-8.96	-9.14	-9.32	-9.23	0.26	0.5147	-2.88	-0.66	17.98	PASS

- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.  
 2. Directional gain =  $12\text{dBi} + 10\log(4) = 18.02\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $30 - (18.02 - 6) = 17.98\text{dBm}$ .  
 3. Refer to section 3.3 for duty cycle spectrum plot.



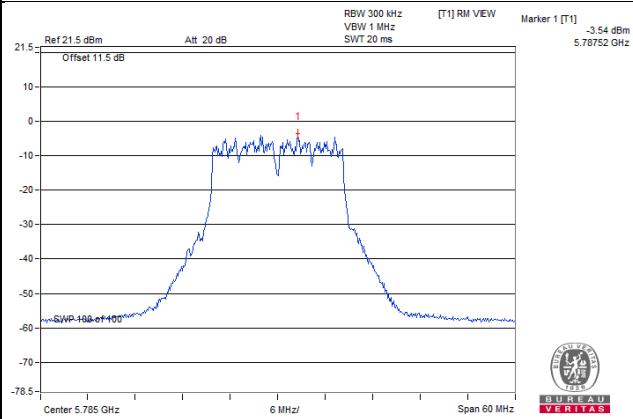
### 802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Duty Factor (dB)	Total PSD (mW/300kHz)	Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain0	Chain1	Chain2	Chain3						
155	5775	-12.35	-12.36	-11.56	-11.95	0.26	0.26536	-5.76	-3.54	17.98	PASS

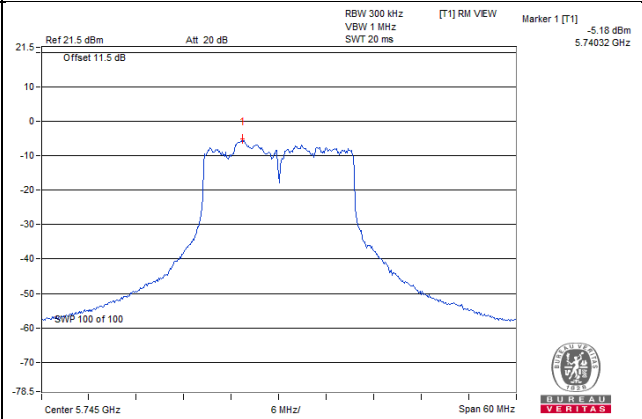
- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain =  $12\text{dBi} + 10\log(4) = 18.02\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $30 - (18.02 - 6) = 17.98\text{dBm}$ .
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

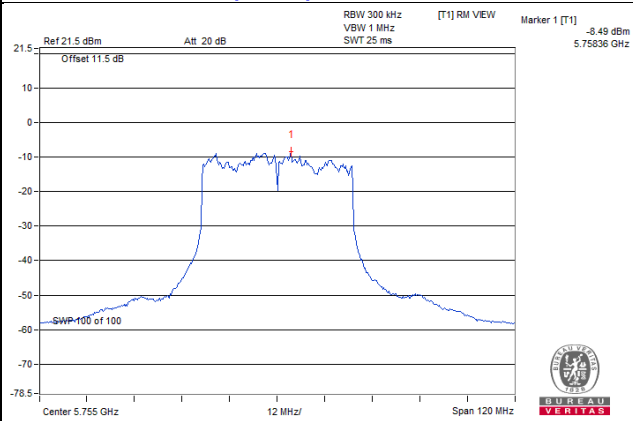
802.11a\_Chain 1 / CH157



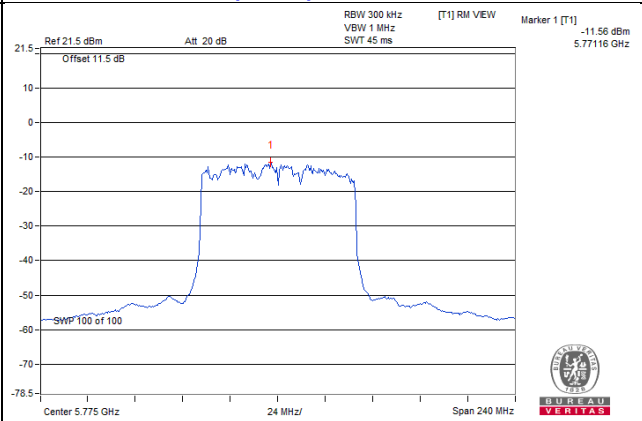
802.11ax (HE20)\_Chain 0 / CH149



802.11ax (HE40)\_Chain 2 / CH151



802.11ax (HE80)\_Chain 2 / CH155

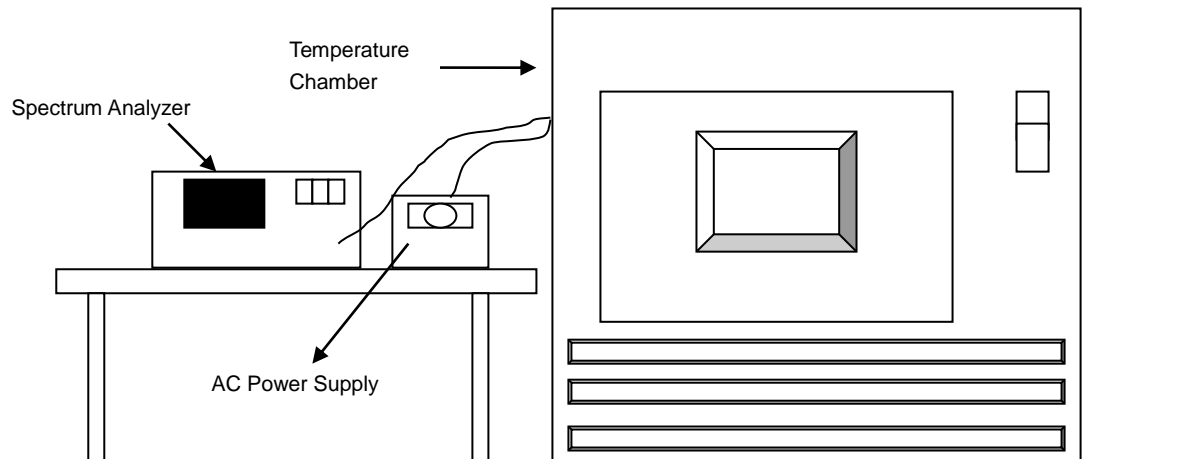


## 4.6 Frequency Stability Measurement

### 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 AC 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.
- 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 (Mode 1)

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
55	56	5180.0055	PASS	5180.0052	PASS	5180.0041	PASS	5180.0069	PASS
50	56	5180.003	PASS	5180.0064	PASS	5180.0068	PASS	5180.0047	PASS
40	56	5179.9952	PASS	5179.992	PASS	5179.9966	PASS	5179.9937	PASS
30	56	5179.9814	PASS	5179.9818	PASS	5179.9816	PASS	5179.9815	PASS
20	56	5180.0044	PASS	5180.0069	PASS	5180.0053	PASS	5180.0062	PASS
10	56	5179.9957	PASS	5179.9955	PASS	5179.9934	PASS	5179.9925	PASS
0	56	5179.9815	PASS	5179.9859	PASS	5179.9853	PASS	5179.9862	PASS
-10	56	5179.9911	PASS	5179.992	PASS	5179.994	PASS	5179.9923	PASS
-20	56	5180.0177	PASS	5180.0157	PASS	5180.017	PASS	5180.0149	PASS
-30	56	5179.9878	PASS	5179.9895	PASS	5179.9914	PASS	5179.9907	PASS
-40	56	5179.9885	PASS	5179.989	PASS	5179.9884	PASS	5179.9888	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	64.4	5180.0053	PASS	5180.0072	PASS	5180.0056	PASS	5180.0052	PASS
	56	5180.0044	PASS	5180.0069	PASS	5180.0053	PASS	5180.0062	PASS
	47.6	5180.0049	PASS	5180.0064	PASS	5180.0053	PASS	5180.0061	PASS

## 4.6.8 Test Results (Mode 2)

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
55	56	5180.0239	PASS	5180.0245	PASS	5180.0253	PASS	5180.0224	PASS
50	56	5180.0186	PASS	5180.0168	PASS	5180.0182	PASS	5180.0187	PASS
40	56	5180.0105	PASS	5180.0098	PASS	5180.0114	PASS	5180.0126	PASS
30	56	5180.0122	PASS	5180.0122	PASS	5180.01	PASS	5180.0135	PASS
20	56	5179.9788	PASS	5179.9776	PASS	5179.9746	PASS	5179.9795	PASS
10	56	5179.9912	PASS	5179.987	PASS	5179.987	PASS	5179.9872	PASS
0	56	5180.0198	PASS	5180.0207	PASS	5180.0173	PASS	5180.0191	PASS
-10	56	5180.0106	PASS	5180.0119	PASS	5180.0085	PASS	5180.0075	PASS
-20	56	5180.0026	PASS	5180.0028	PASS	5180.0065	PASS	5180.0051	PASS
-30	56	5179.9941	PASS	5179.9947	PASS	5179.9929	PASS	5179.9967	PASS
-40	56	5180.0023	PASS	5180.0006	PASS	5180.0008	PASS	5179.9992	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	64.4	5179.9797	PASS	5179.9786	PASS	5179.9749	PASS	5179.98	PASS
	56	5179.9788	PASS	5179.9776	PASS	5179.9746	PASS	5179.9795	PASS
	47.6	5179.9784	PASS	5179.978	PASS	5179.9754	PASS	5179.9791	PASS

## 4.6.9 Test Results (Mode 3)

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
55	56	5180.0203	PASS	5180.0196	PASS	5180.0208	PASS	5180.0184	PASS
50	56	5180.0213	PASS	5180.0216	PASS	5180.021	PASS	5180.0215	PASS
40	56	5180.0013	PASS	5180.0008	PASS	5180.0007	PASS	5180.0019	PASS
30	56	5180.013	PASS	5180.0143	PASS	5180.0144	PASS	5180.0142	PASS
20	56	5179.9935	PASS	5179.9923	PASS	5179.9929	PASS	5179.9937	PASS
10	56	5180.0108	PASS	5180.0147	PASS	5180.0138	PASS	5180.0151	PASS
0	56	5179.9886	PASS	5179.9893	PASS	5179.9873	PASS	5179.9892	PASS
-10	56	5179.9897	PASS	5179.9895	PASS	5179.9874	PASS	5179.9886	PASS
-20	56	5179.9957	PASS	5179.9916	PASS	5179.9945	PASS	5179.9919	PASS
-30	56	5179.9837	PASS	5179.9825	PASS	5179.9827	PASS	5179.9819	PASS
-40	56	5179.9927	PASS	5179.9927	PASS	5179.9894	PASS	5179.9941	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	64.4	5179.9937	PASS	5179.9915	PASS	5179.9919	PASS	5179.9941	PASS
	56	5179.9935	PASS	5179.9923	PASS	5179.9929	PASS	5179.9937	PASS
	47.6	5179.9926	PASS	5179.9928	PASS	5179.9922	PASS	5179.9934	PASS

#### 4.6.10 Test Results (Mode 4)

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
55	56	5179.9823	PASS	5179.9793	PASS	5179.9792	PASS	5179.9796	PASS
50	56	5180.0221	PASS	5180.0237	PASS	5180.0198	PASS	5180.0233	PASS
40	56	5180.003	PASS	5180.0024	PASS	5180.0025	PASS	5180.0035	PASS
30	56	5180.0205	PASS	5180.0247	PASS	5180.0243	PASS	5180.0225	PASS
20	56	5180.0187	PASS	5180.0167	PASS	5180.0164	PASS	5180.0141	PASS
10	56	5179.9822	PASS	5179.985	PASS	5179.9846	PASS	5179.982	PASS
0	56	5179.9931	PASS	5179.9945	PASS	5179.9908	PASS	5179.9916	PASS
-10	56	5179.9839	PASS	5179.9853	PASS	5179.9861	PASS	5179.9862	PASS
-20	56	5179.9816	PASS	5179.9845	PASS	5179.9797	PASS	5179.9808	PASS
-30	56	5179.9836	PASS	5179.9831	PASS	5179.9817	PASS	5179.9839	PASS
-40	56	5179.9798	PASS	5179.9789	PASS	5179.9804	PASS	5179.9802	PASS

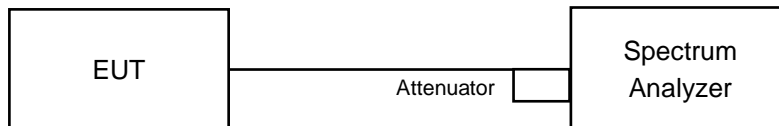
Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
TEMP. (°C)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail
20	64.4	5180.0195	PASS	5180.0171	PASS	5180.0173	PASS	5180.0131	PASS
	56	5180.0187	PASS	5180.0167	PASS	5180.0164	PASS	5180.0141	PASS
	47.6	5180.0196	PASS	5180.0177	PASS	5180.0158	PASS	5180.0148	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)

##### 802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
149	5745	16.36	16.09	15.18	15.95	0.5	Pass
157	5785	15.2	16.07	16.35	16.06	0.5	Pass
165	5825	15.18	16.06	15.49	15.96	0.5	Pass

##### 802.11ax (HE20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
149	5745	18.46	18.45	19.01	18.31	0.5	Pass
157	5785	17.98	18.5	16.68	18.49	0.5	Pass
165	5825	17.21	17.95	18.38	17.93	0.5	Pass

##### 802.11ax (HE40)

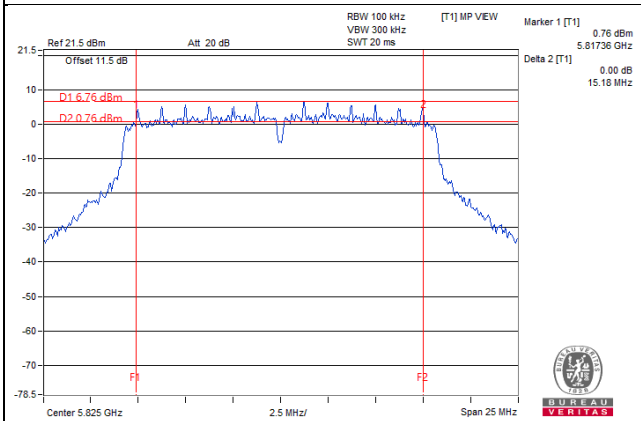
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
151	5755	37.47	36.7	37	37.34	0.5	Pass
159	5795	37.69	37.7	37.51	37.73	0.5	Pass

##### 802.11ax (HE80)

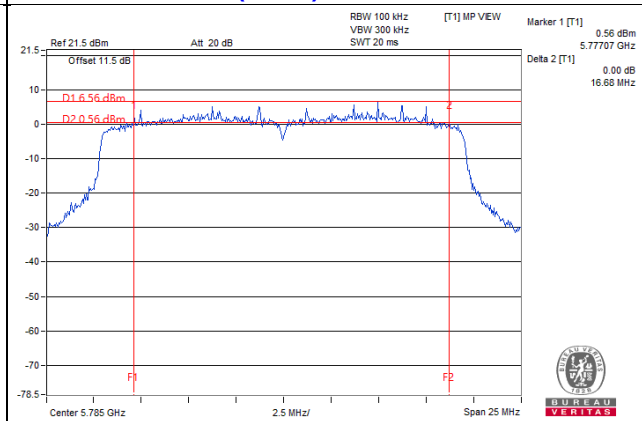
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
155	5775	73.26	77.74	76.26	76.8	0.5	Pass

### Spectrum Plot of Worst Value

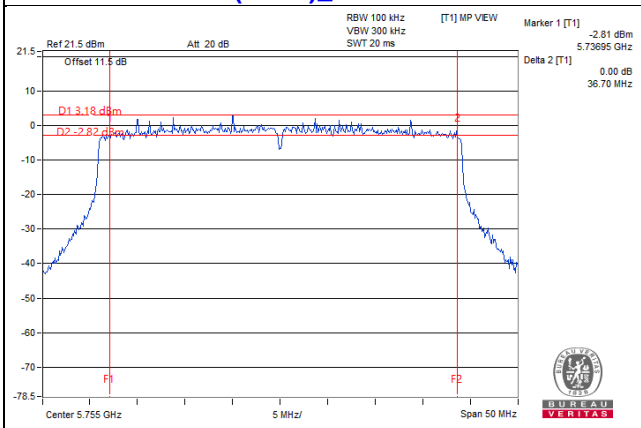
#### 802.11a\_Chain 0 / CH165



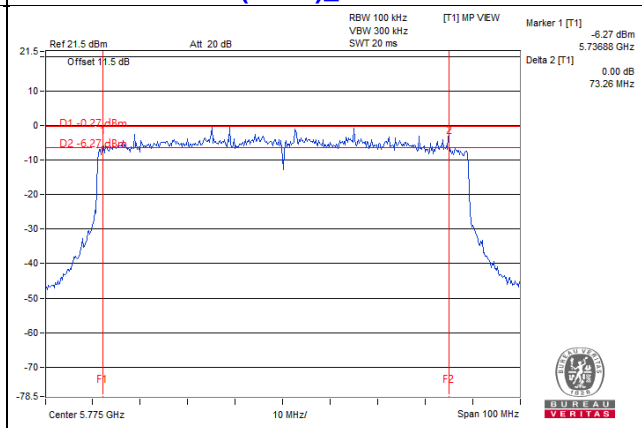
#### 802.11ax (HE20)\_Chain 2 / CH157



#### 802.11ax (HE40)\_Chain 1 / CH151



#### 802.11ax (HE80)\_Chain 0 / CH155



## 4.7.8 Test Results (Mode 2)

## 802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
149	5745	16.34	15.81	15.18	16.09	0.5	Pass
157	5785	16.32	15.72	16.09	16.06	0.5	Pass
165	5825	16.35	15.7	15.18	15.75	0.5	Pass

## 802.11ax (HE20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
149	5745	18.46	18.22	18.97	18.53	0.5	Pass
157	5785	18.88	18.46	18.12	18.31	0.5	Pass
165	5825	18.66	18.36	16.92	18.4	0.5	Pass

## 802.11ax (HE40)

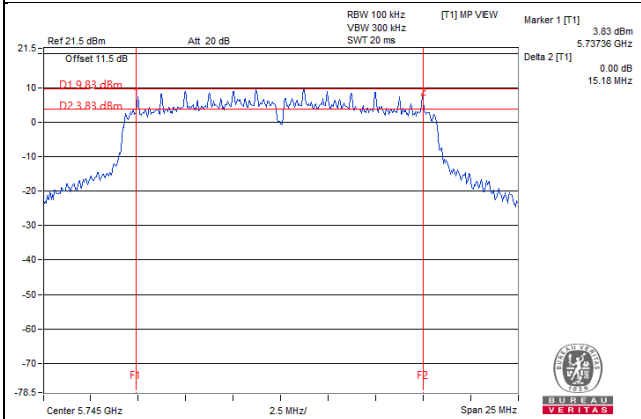
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
151	5755	38.02	37.92	37.45	37.87	0.5	Pass
159	5795	37.41	38.01	38.12	38.02	0.5	Pass

## 802.11ax (HE80)

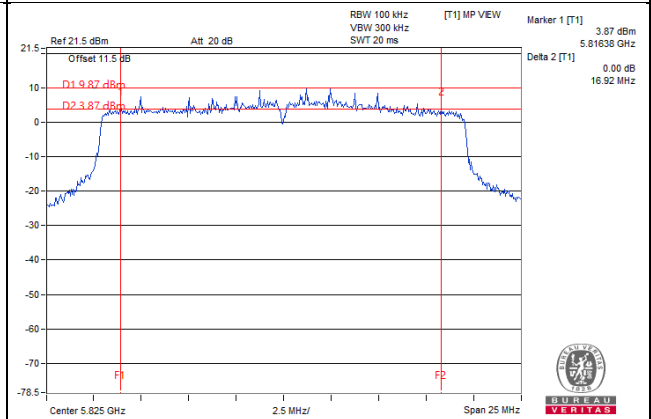
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
155	5775	75.42	72.22	65.69	77.72	0.5	Pass

### Spectrum Plot of Worst Value

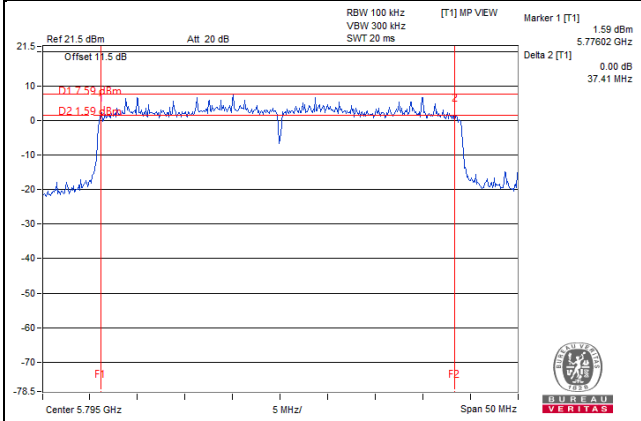
#### 802.11a\_Chain 2 / CH149



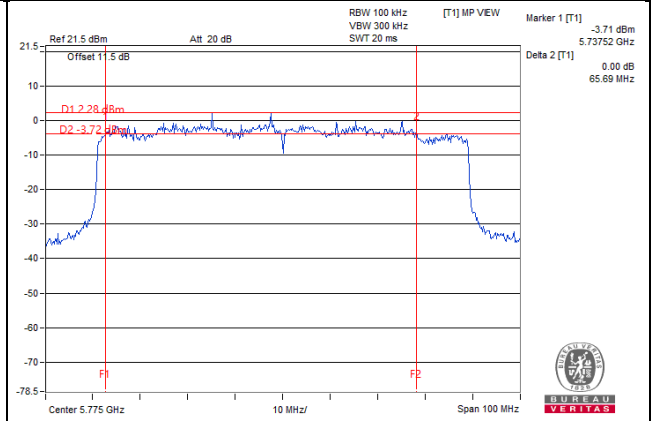
#### 802.11ax (HE20)\_Chain 2 / CH165



#### 802.11ax (HE40)\_Chain 0 / CH159



#### 802.11ax (HE80)\_Chain 2 / CH155



## 4.7.9 Test Results (Mode 3)

**802.11a**

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
149	5745	15.21	15.82	16.38	16.02	0.5	Pass
157	5785	15.58	16.07	15.18	16.07	0.5	Pass
165	5825	16.36	15.85	16.39	15.75	0.5	Pass

**802.11ax (HE20)**

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
149	5745	18.42	18.14	18.86	17.88	0.5	Pass
157	5785	18.48	18.51	18.46	18.52	0.5	Pass
165	5825	17.92	18.4	17.1	18.61	0.5	Pass

**802.11ax (HE40)**

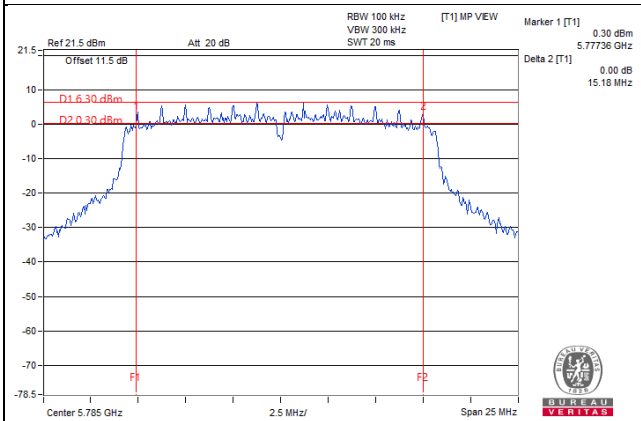
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
151	5755	37.29	37.61	37.48	37.17	0.5	Pass
159	5795	37.46	37.8	35.02	37.78	0.5	Pass

**802.11ax (HE80)**

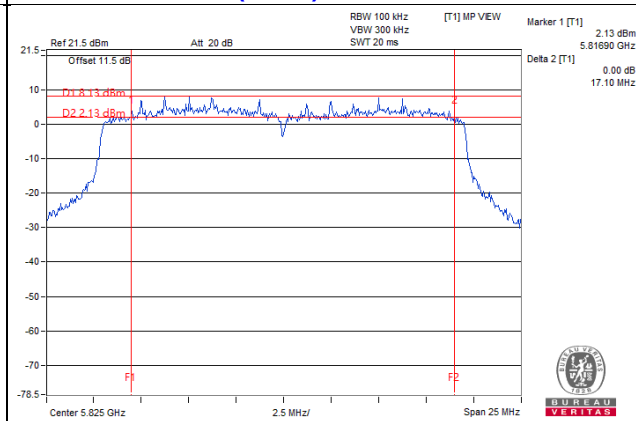
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
155	5775	73.53	75.04	75.06	76.67	0.5	Pass

Spectrum Plot of Worst Value

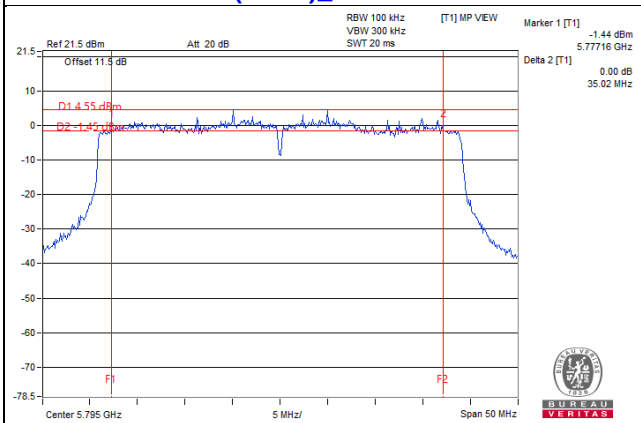
802.11a\_Chain 2 / CH157



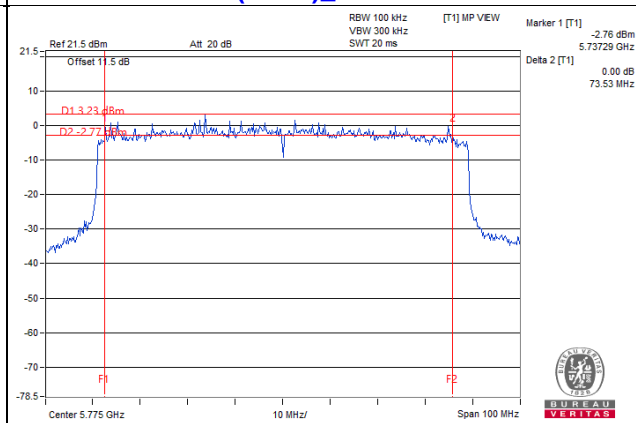
802.11ax (HE20)\_Chain 2 / CH165



802.11ax (HE40)\_Chain 2 / CH159



802.11ax (HE80)\_Chain 0 / CH155



## 4.7.10 Test Results (Mode 4)

## 802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
149	5745	16.35	15.82	15.56	15.7	0.5	Pass
157	5785	15.19	15.61	15.15	15.84	0.5	Pass
165	5825	16.33	15.77	16.38	15.92	0.5	Pass

## 802.11ax (HE20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
149	5745	17.99	18.65	18.08	17.74	0.5	Pass
157	5785	18.18	18.4	16.07	17.98	0.5	Pass
165	5825	18.67	18.45	17.34	17.14	0.5	Pass

## 802.11ax (HE40)

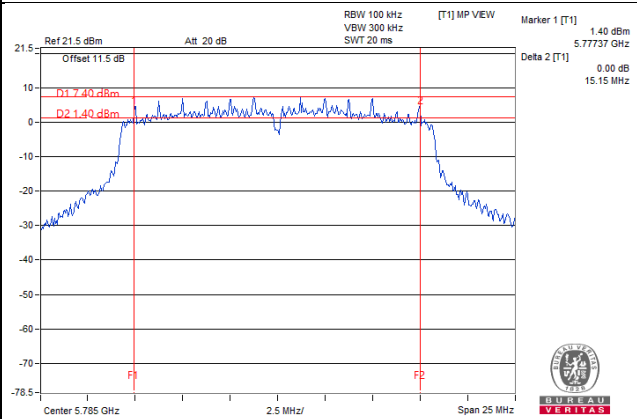
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
151	5755	37.39	37.64	36.83	37.95	0.5	Pass
159	5795	37.06	37.82	36.83	37.94	0.5	Pass

## 802.11ax (HE80)

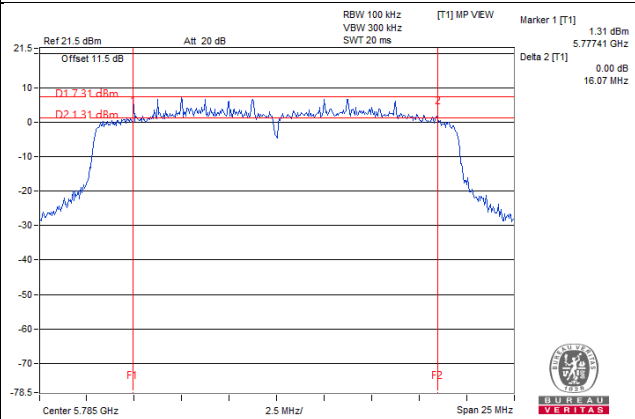
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
155	5775	73.53	76.77	72.23	74.62	0.5	Pass

Spectrum Plot of Worst Value

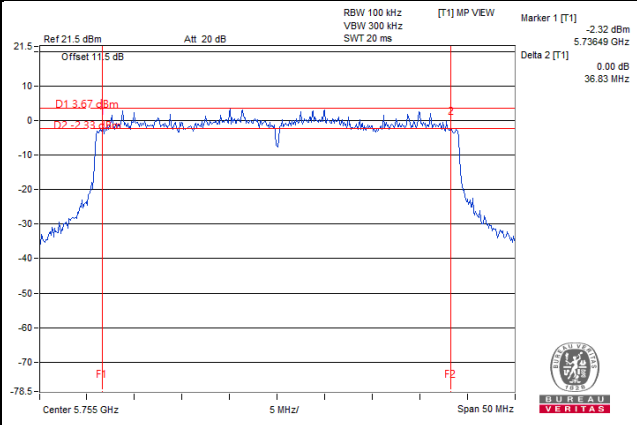
802.11a\_Chain 2 / CH157



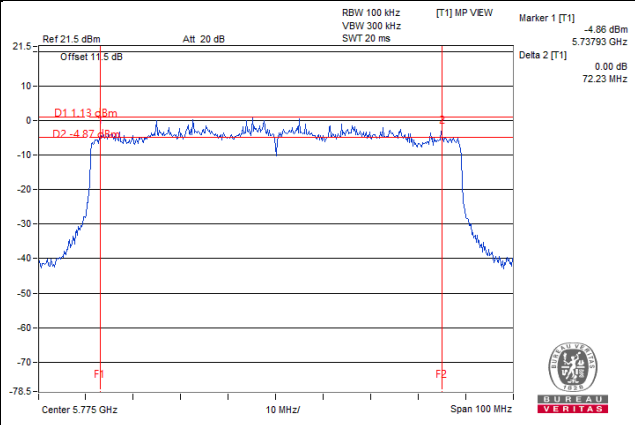
802.11ax (HE20)\_Chain 2 / CH157



802.11ax (HE40)\_Chain 2 / CH151



802.11ax (HE80)\_Chain 2 / CH155





## 5 Pictures of Test Arrangements

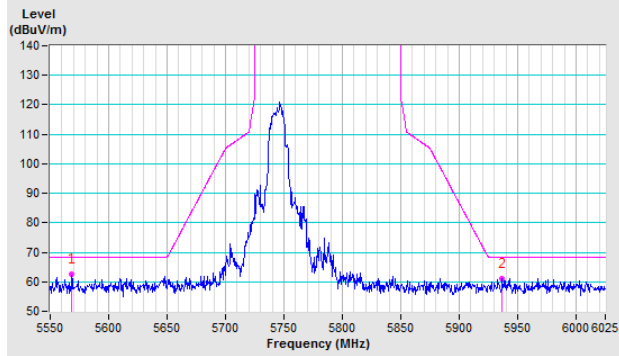
Please refer to the attached file (Test Setup Photo).

## Annex A- Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band) (Mode 1)

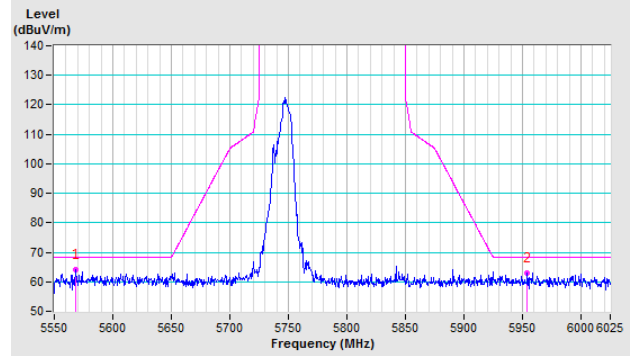
802.11a

CH 149 5745 MHz

Horizontal

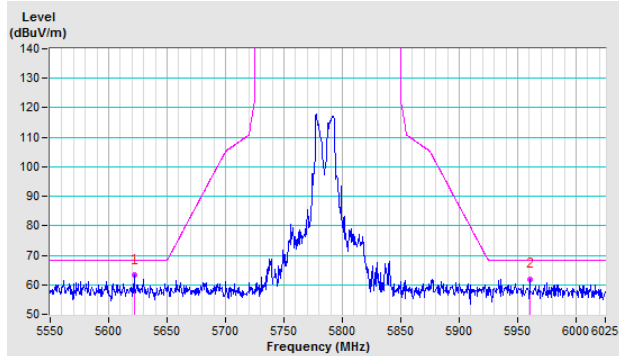


Vertical

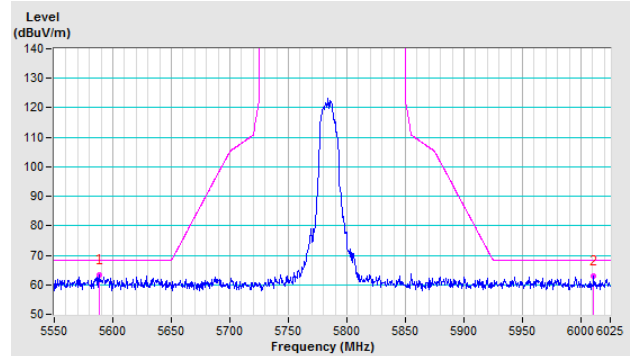


CH 157 5785 MHz

Horizontal

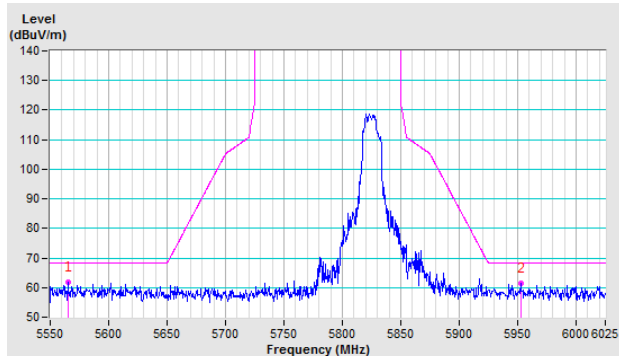


Vertical

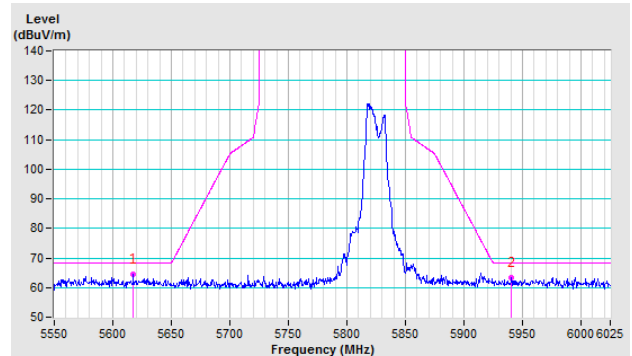


CH 165 5825 MHz

Horizontal



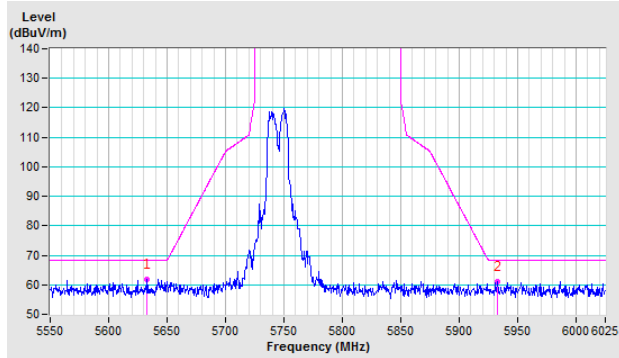
Vertical



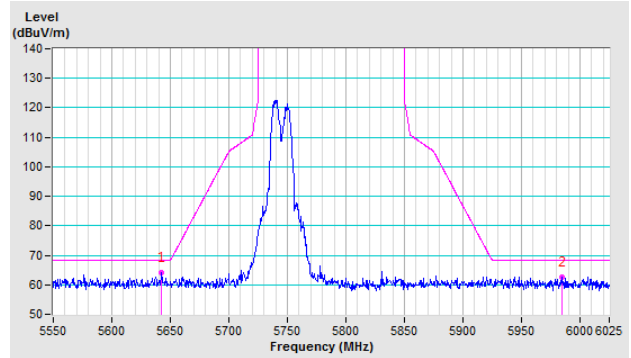
802.11ax (HE20)

CH 149 5745 MHz

Horizontal

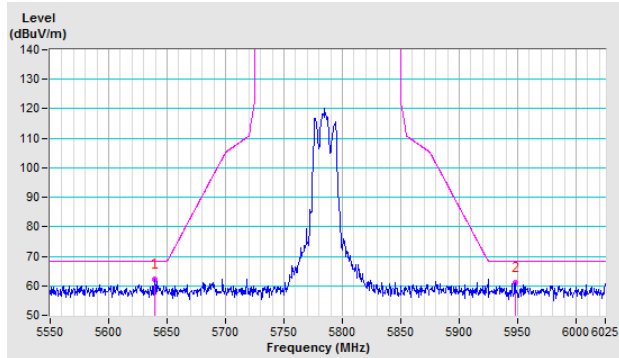


Vertical

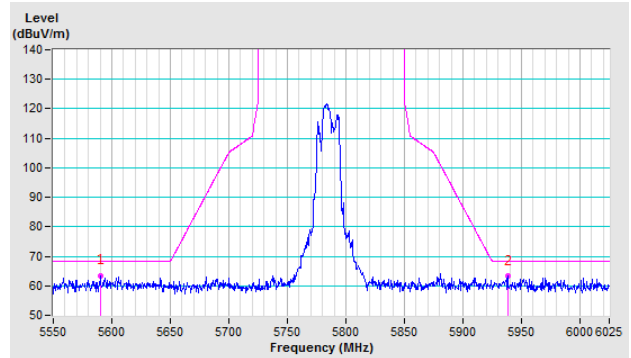


CH 157 5785 MHz

Horizontal

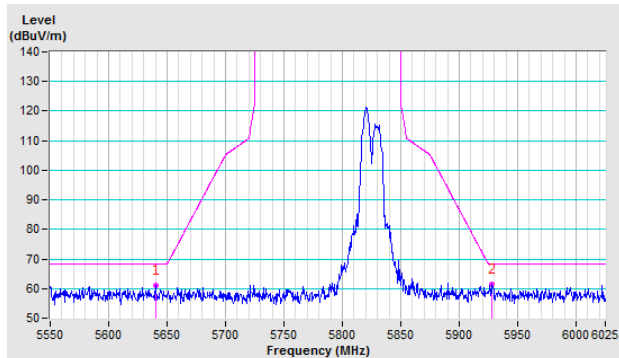


Vertical

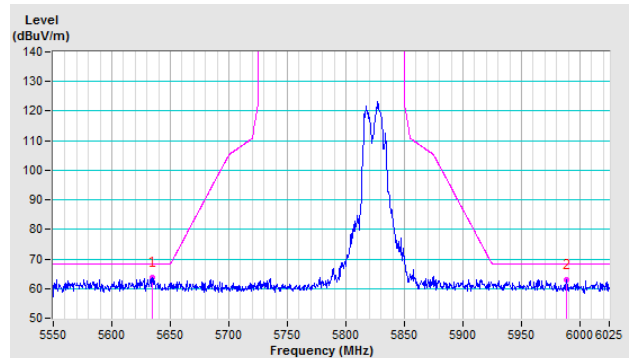


CH 165 5825 MHz

Horizontal



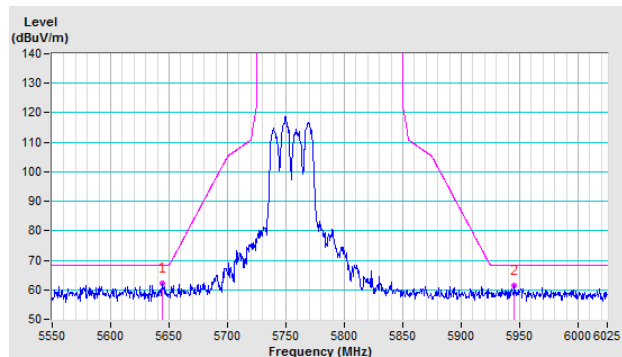
Vertical



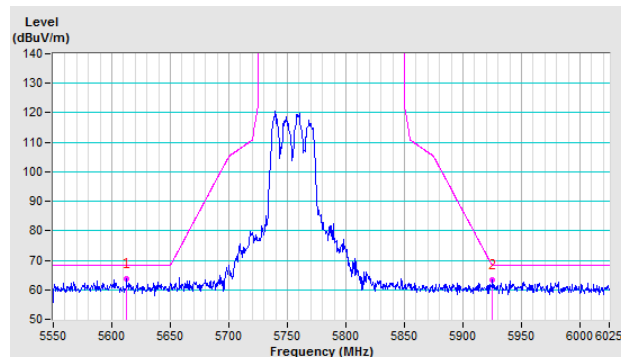
802.11ax (HE40)

CH 151 5755 MHz

Horizontal

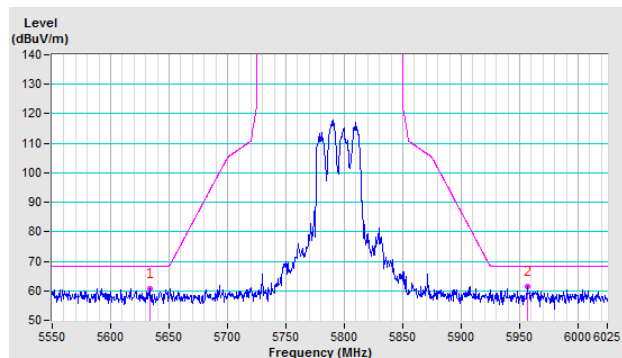


Vertical

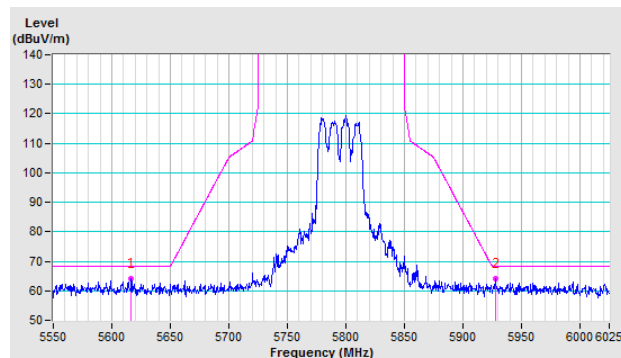


CH 159 5795 MHz

Horizontal



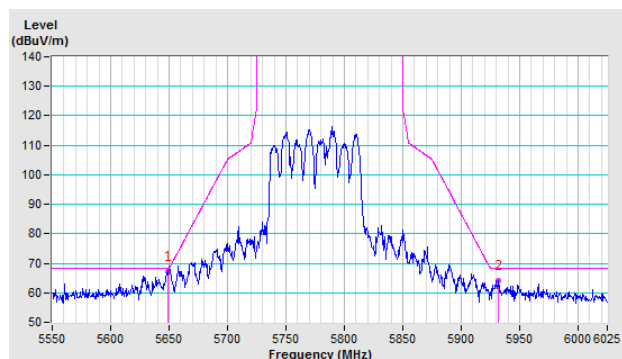
Vertical



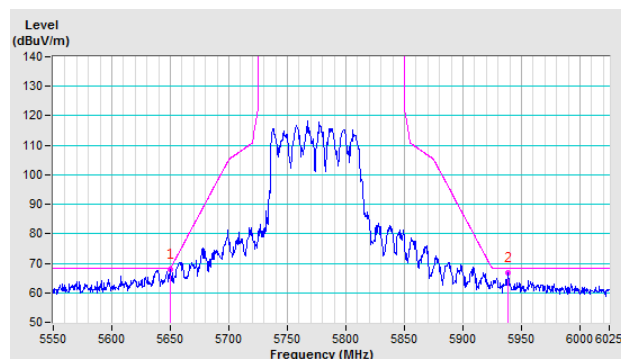
802.11ax (HE80)

CH 155 5775 MHz

Horizontal



Vertical

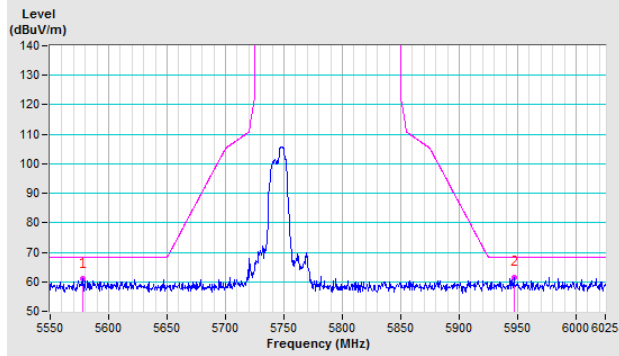


### Annex A- Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band) (Mode 2)

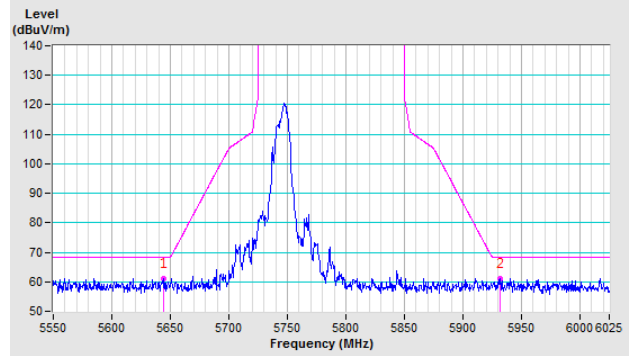
802.11a

**CH 149 5745 MHz**

**Horizontal**

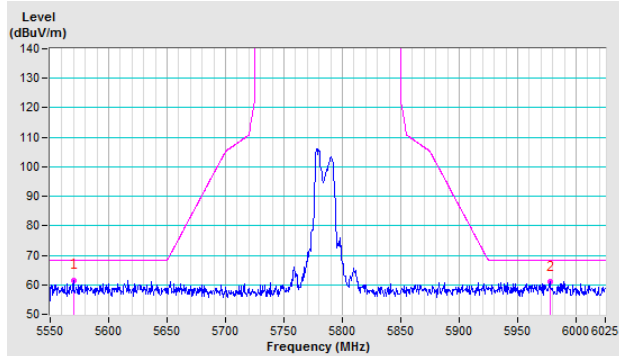


**Vertical**

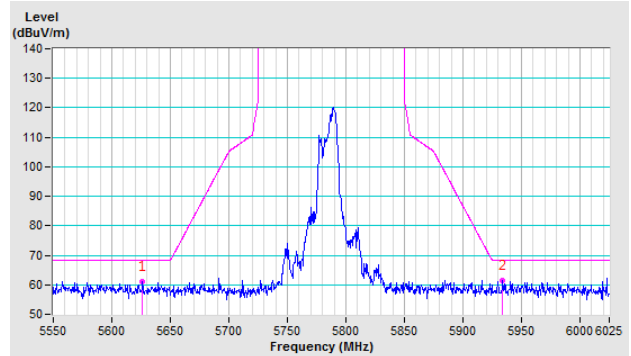


**CH 157 5785 MHz**

**Horizontal**

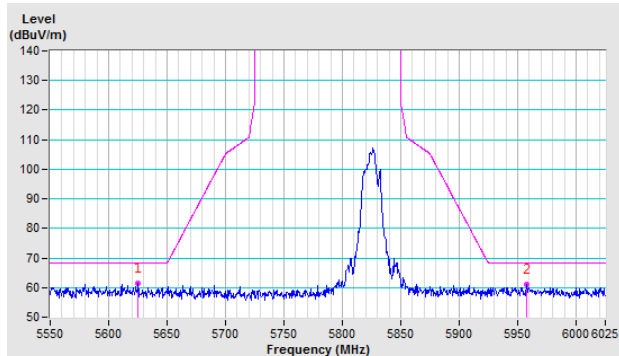


**Vertical**

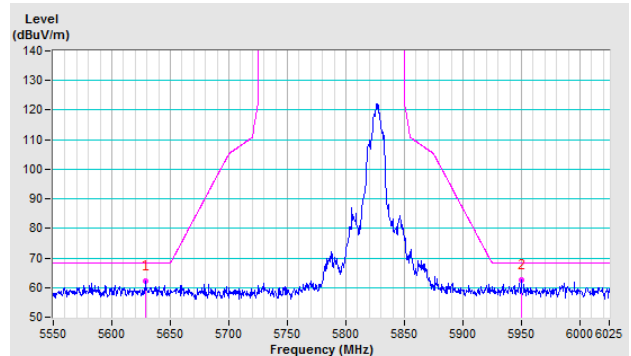


**CH 165 5825 MHz**

**Horizontal**



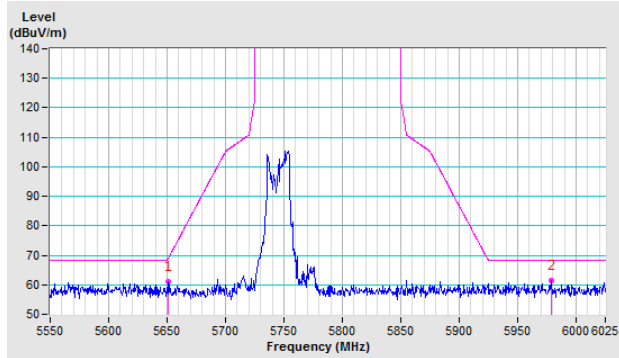
**Vertical**



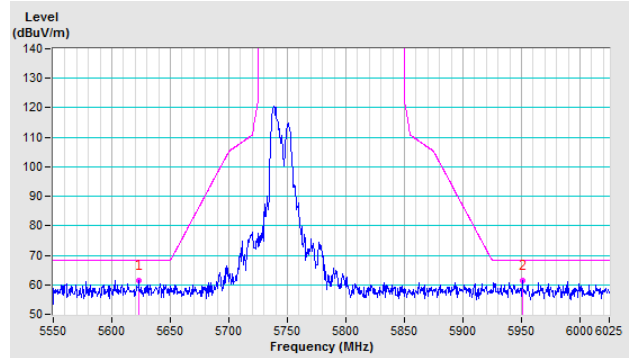
802.11ax (HE20)

CH 149 5745 MHz

Horizontal

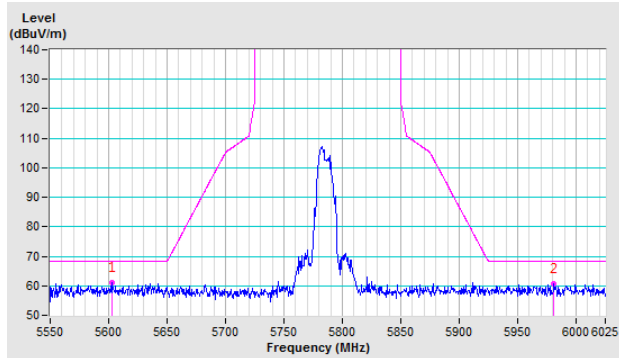


Vertical

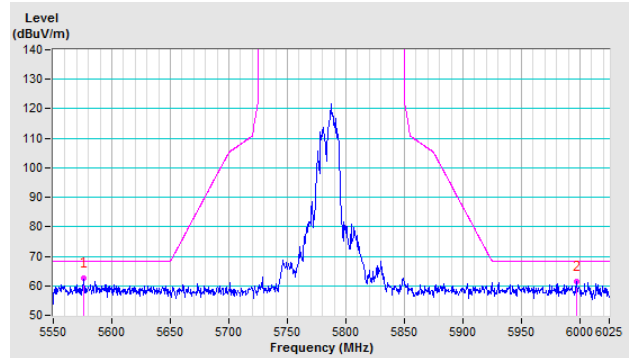


CH 157 5785 MHz

Horizontal

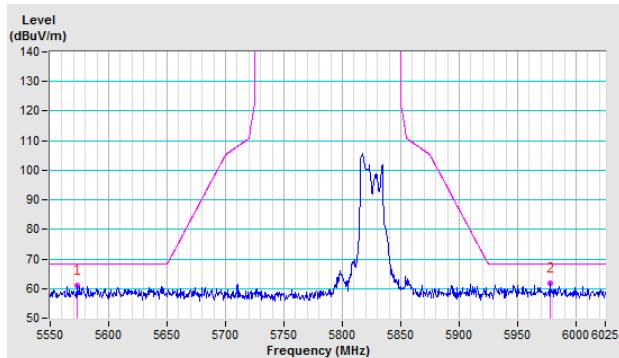


Vertical

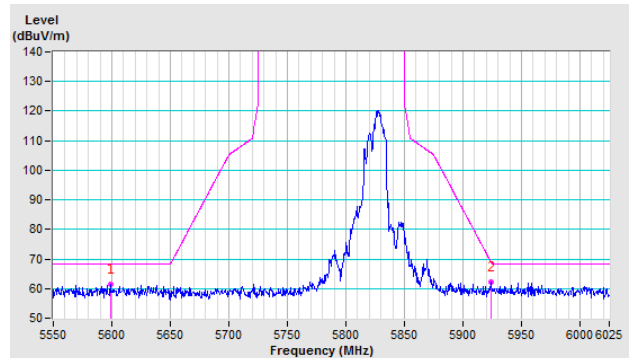


CH 165 5825 MHz

Horizontal



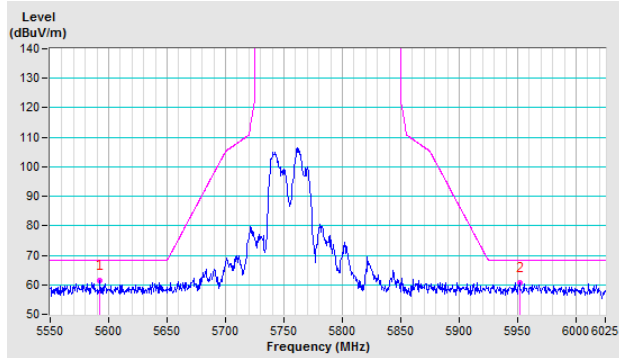
Vertical



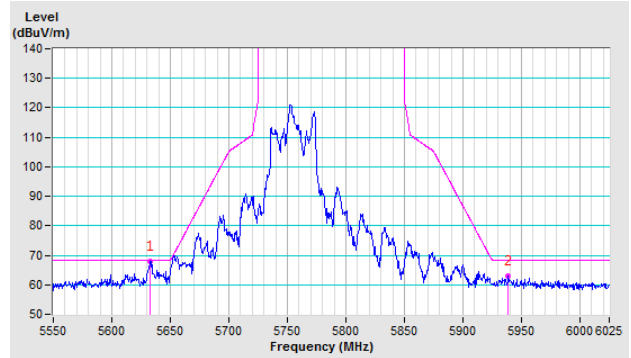
### 802.11ax (HE40)

CH 151 5755 MHz

Horizontal

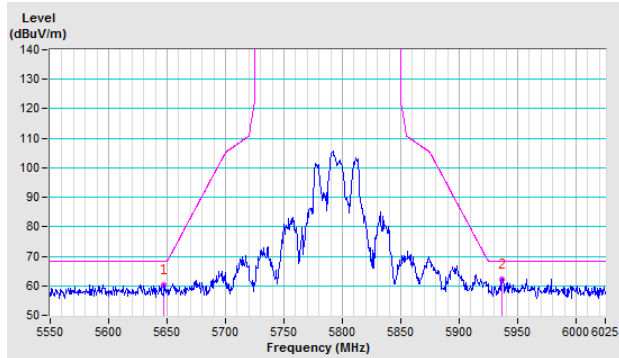


Vertical

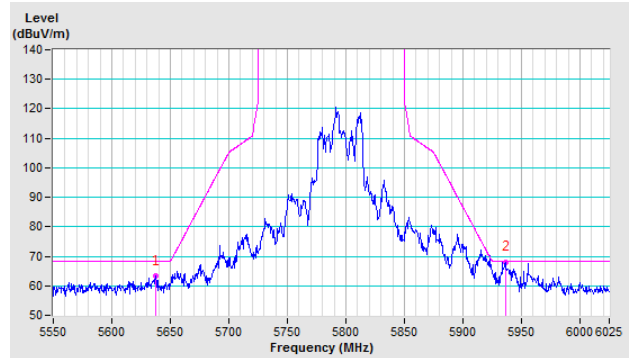


CH 159 5795 MHz

Horizontal



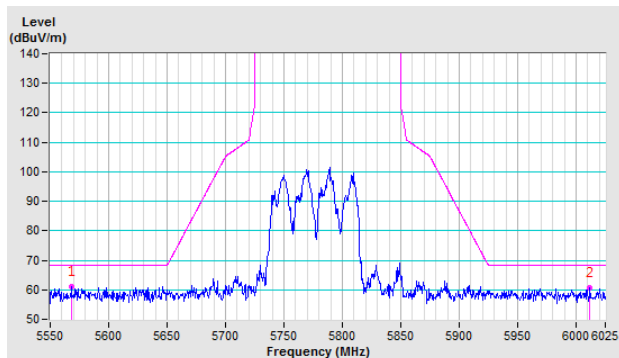
Vertical



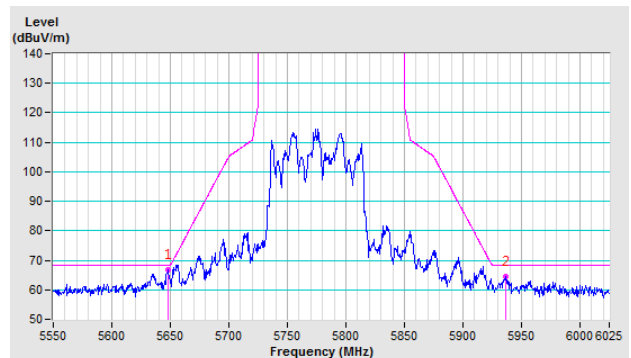
### 802.11ax (HE80)

CH 155 5775 MHz

Horizontal



Vertical

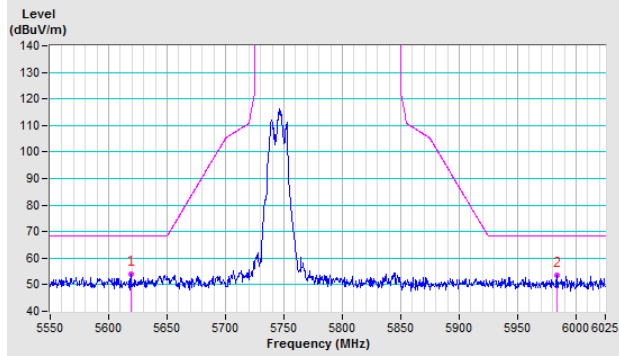


### Annex A- Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band) (Mode 3)

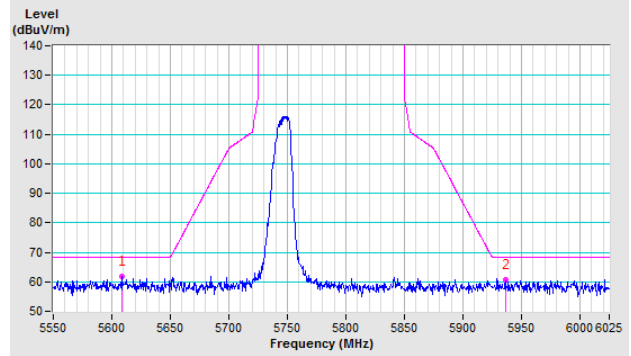
802.11a

**CH 149 5745 MHz**

**Horizontal**

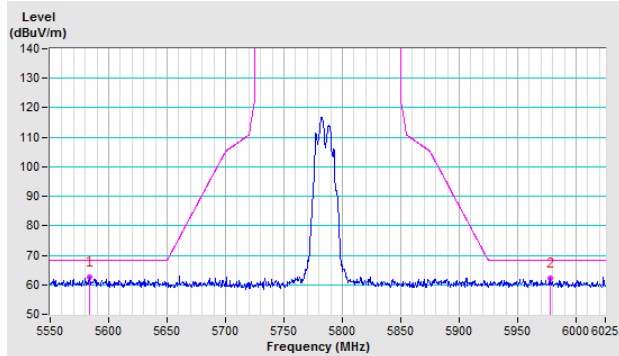


**Vertical**

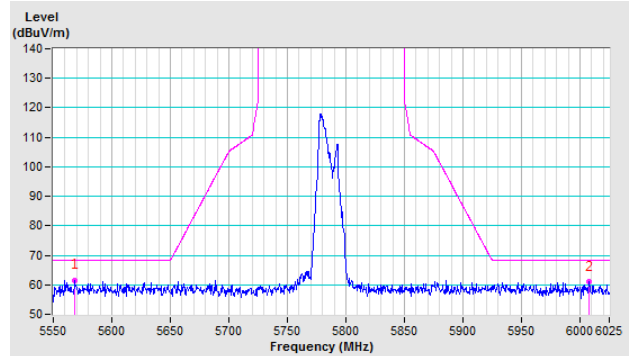


**CH 157 5785 MHz**

**Horizontal**

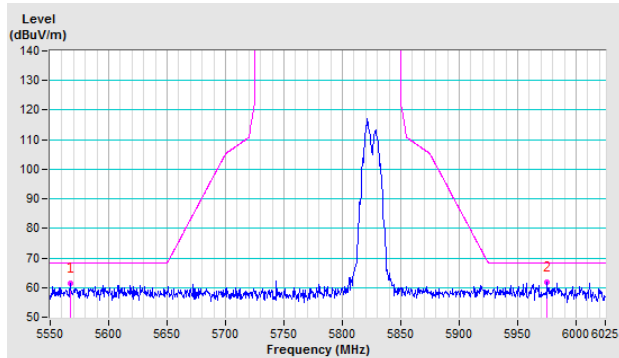


**Vertical**

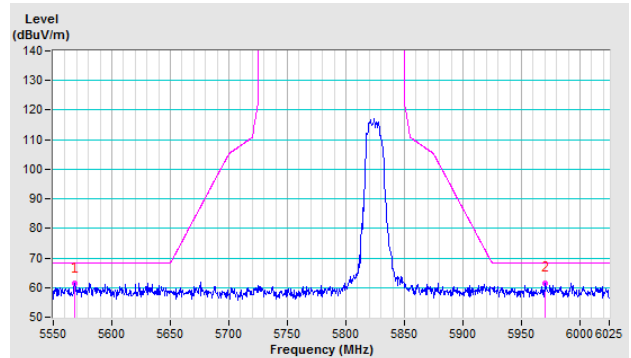


**CH 165 5825 MHz**

**Horizontal**



**Vertical**

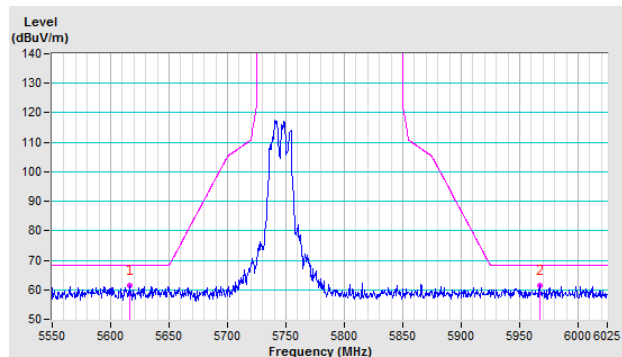




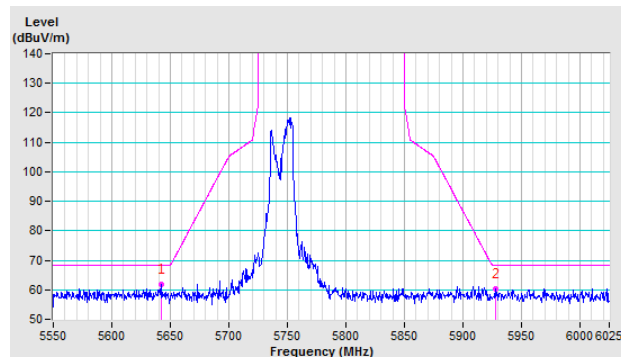
### 802.11ax (HE20)

**CH 149 5745 MHz**

**Horizontal**

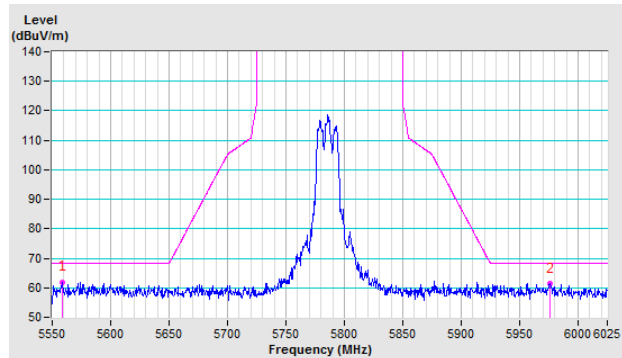


**Vertical**

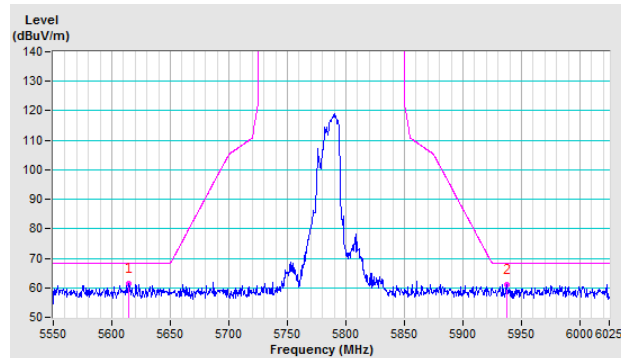


**CH 157 5785 MHz**

**Horizontal**

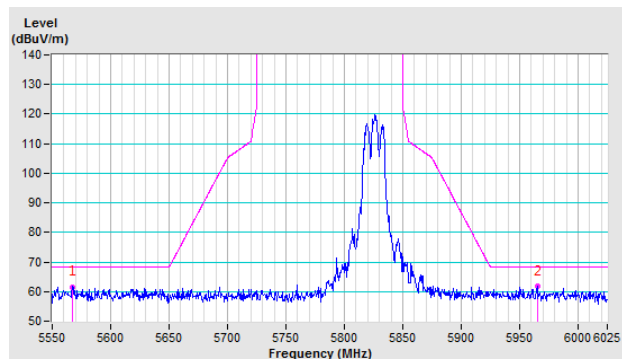


**Vertical**

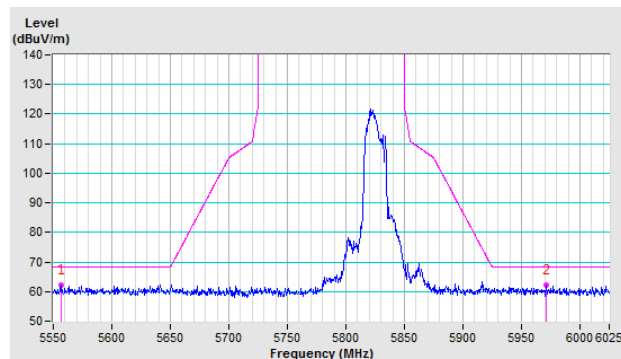


**CH 165 5825 MHz**

**Horizontal**



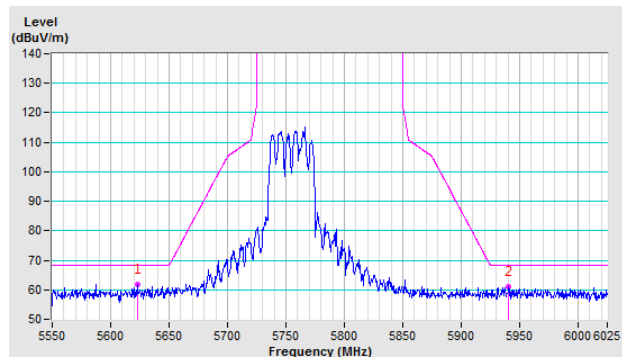
**Vertical**



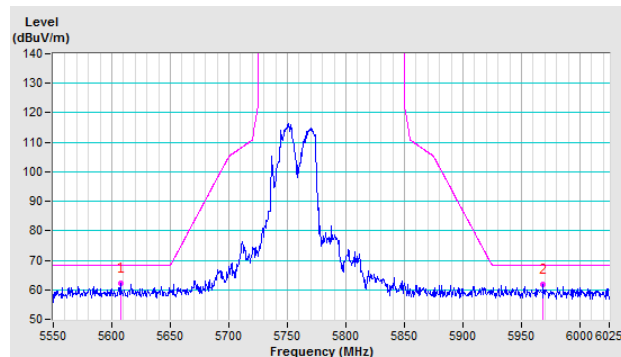
### 802.11ax (HE40)

CH 151 5755 MHz

Horizontal

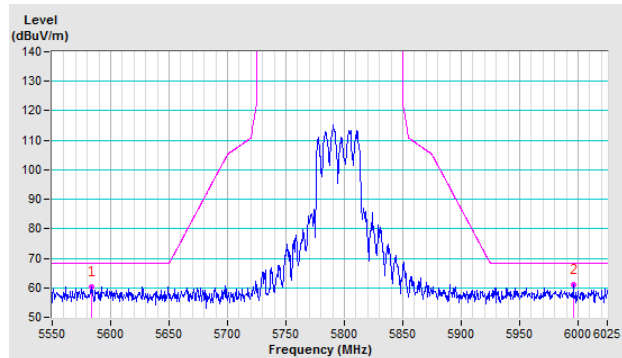


Vertical

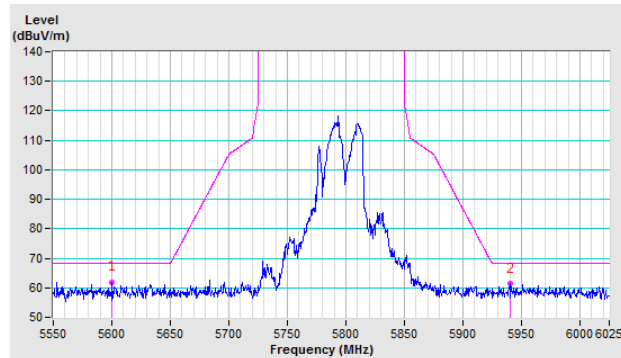


CH 159 5795 MHz

Horizontal



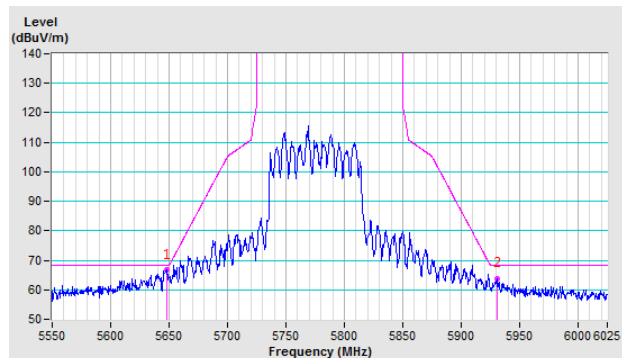
Vertical



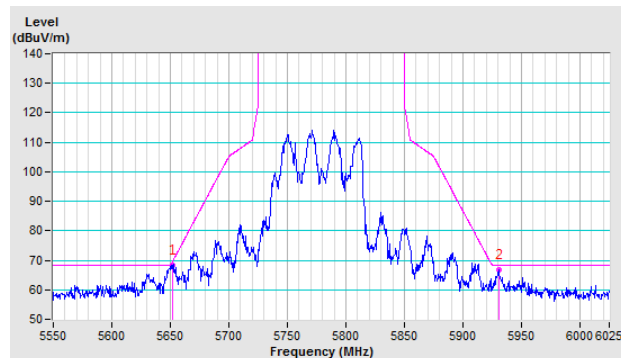
### 802.11ax (HE80)

CH 155 5775 MHz

Horizontal



Vertical

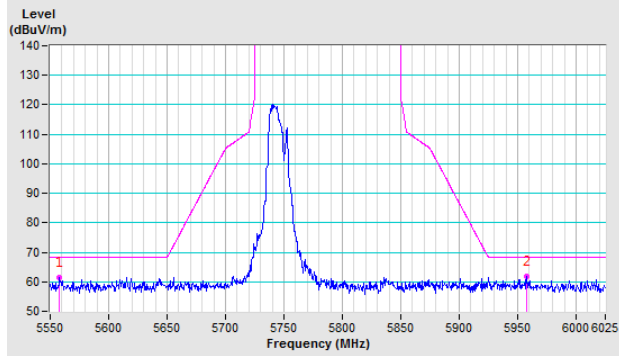


# Annex A- Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band) (Mode 4)

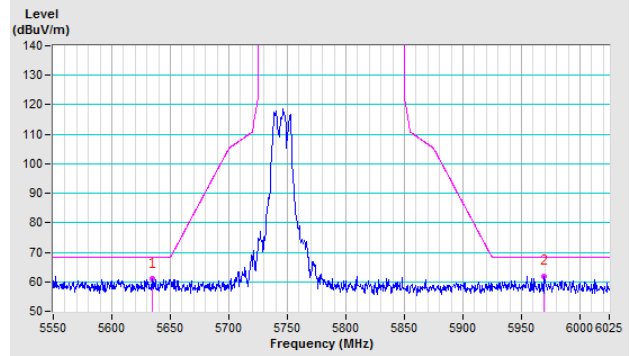
802.11a

**CH 149 5745 MHz**

**Horizontal**

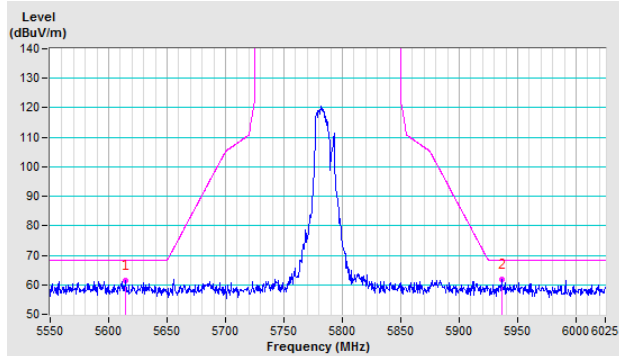


**Vertical**

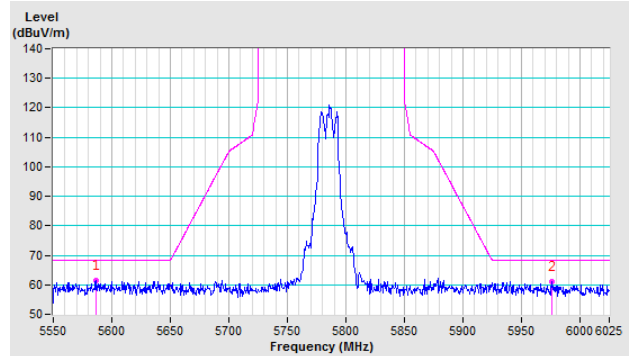


**CH 157 5785 MHz**

**Horizontal**

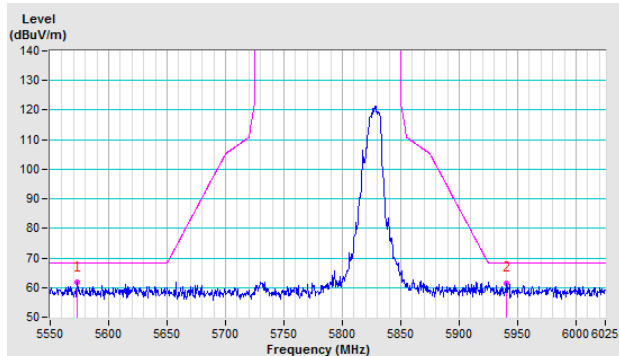


**Vertical**

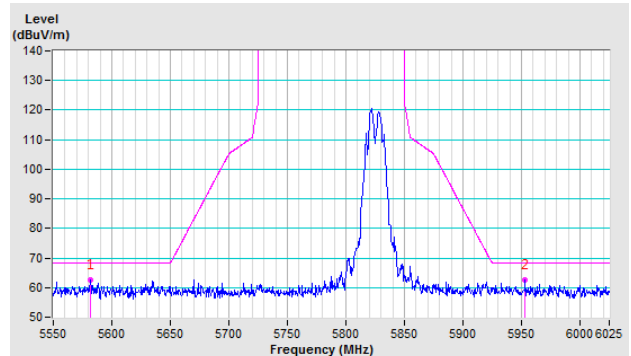


**CH 165 5825 MHz**

**Horizontal**



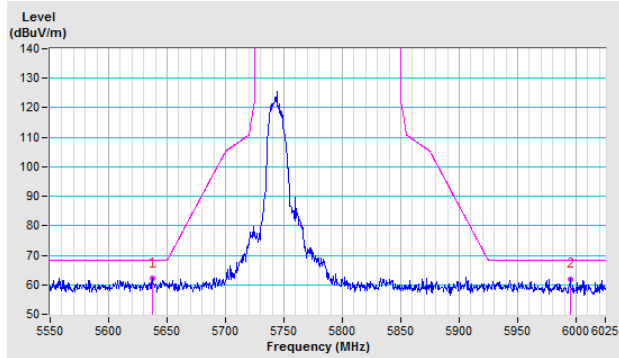
**Vertical**



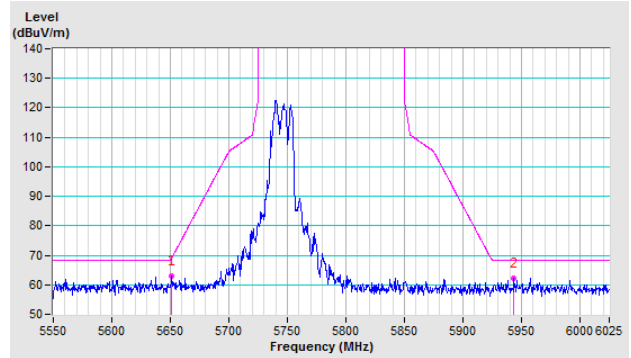
### 802.11ax (HE20)

**CH 149 5745 MHz**

**Horizontal**

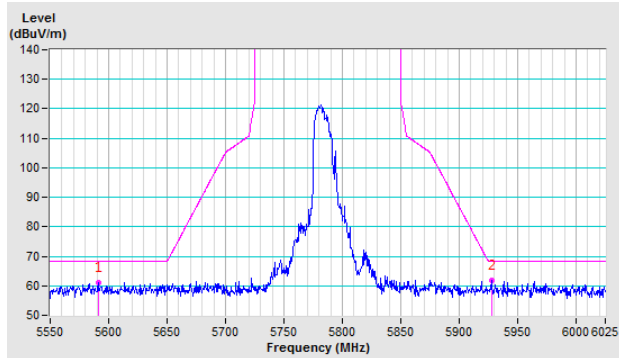


**Vertical**

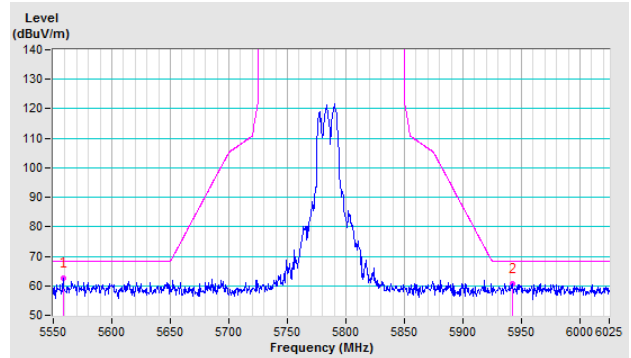


**CH 157 5785 MHz**

**Horizontal**

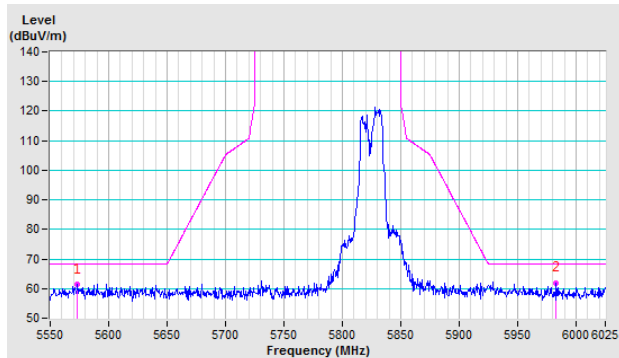


**Vertical**

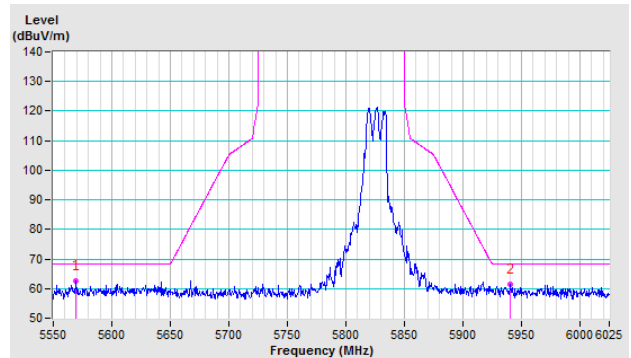


**CH 165 5825 MHz**

**Horizontal**



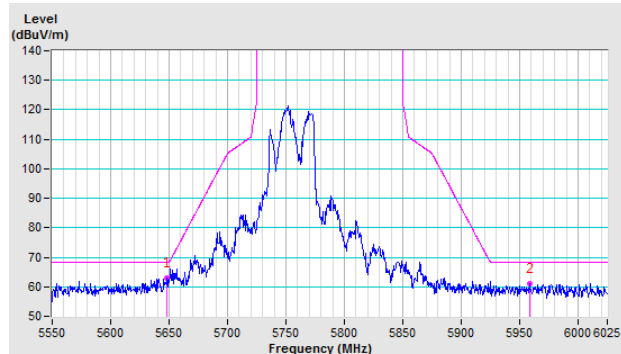
**Vertical**



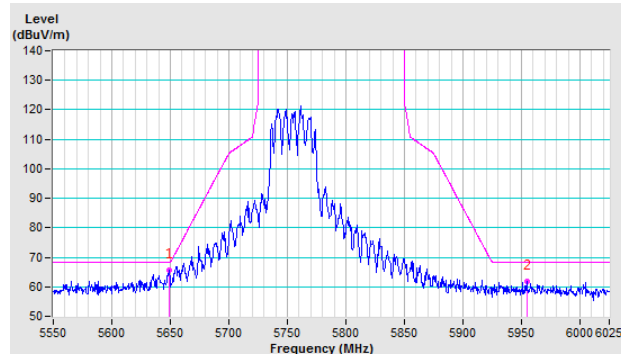
### 802.11ax (HE40)

**CH 151 5755 MHz**

**Horizontal**

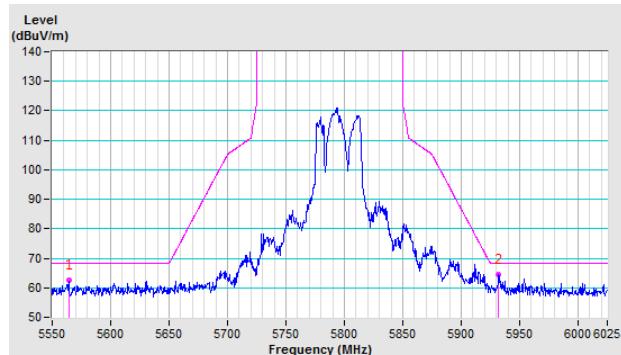


**Vertical**

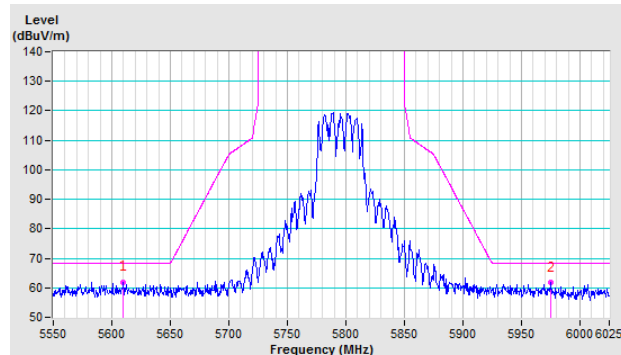


**CH 159 5795 MHz**

**Horizontal**



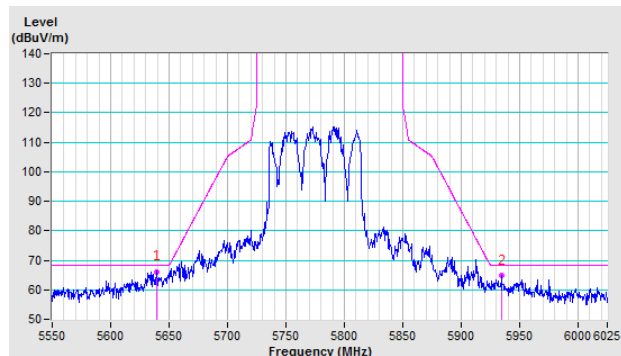
**Vertical**



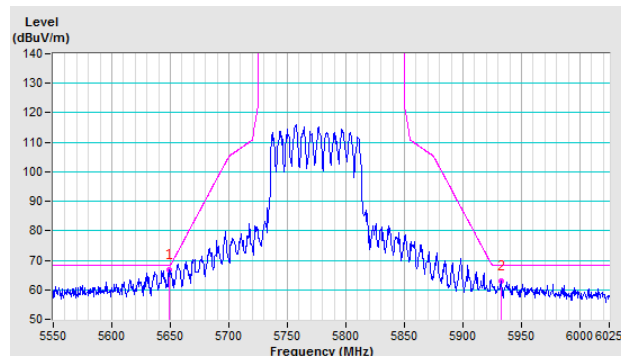
### 802.11ax (HE80)

**CH 155 5775 MHz**

**Horizontal**



**Vertical**



## 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.

If you have any comments, please feel free to contact us at the following:

**Lin Kou EMC/RF Lab**

Tel: 886-2-26052180

Fax: 886-2-26051924

**Hsin Chu EMC/RF/Telecom Lab**

Tel: 886-3-6668565

Fax: 886-3-6668323

**Hwa Ya EMC/RF/Safety Lab**

Tel: 886-3-3183232

Fax: 886-3-3270892

**Email:** [service.adt@tw.bureauveritas.com](mailto:service.adt@tw.bureauveritas.com)

**Web Site:** [www.bureauveritas-adt.com](http://www.bureauveritas-adt.com)

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

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