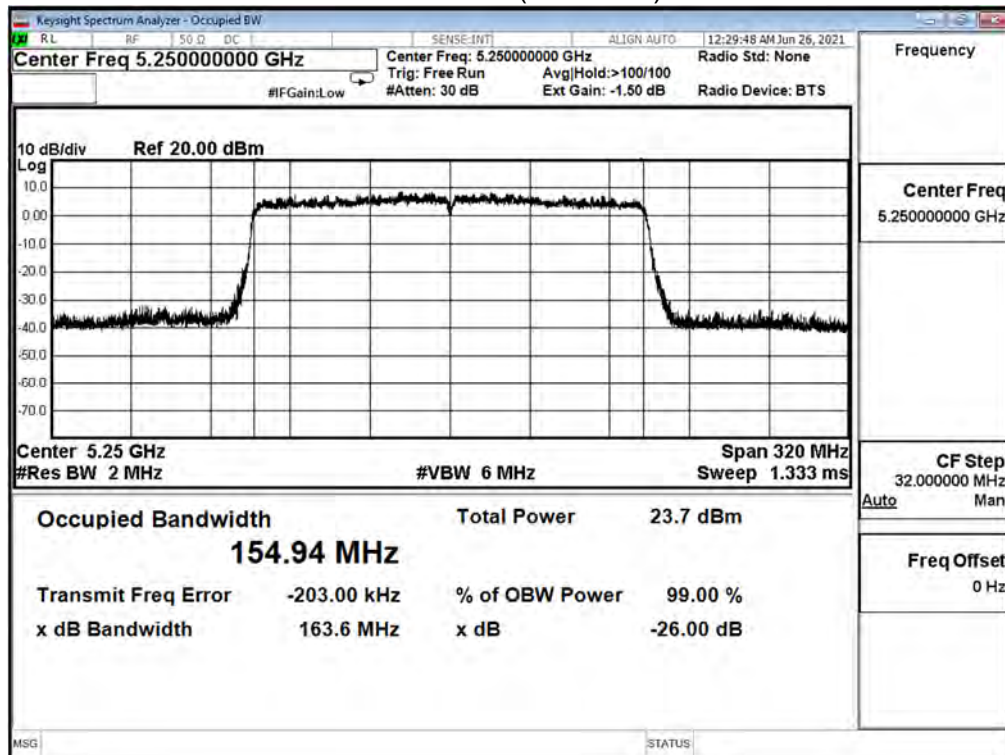
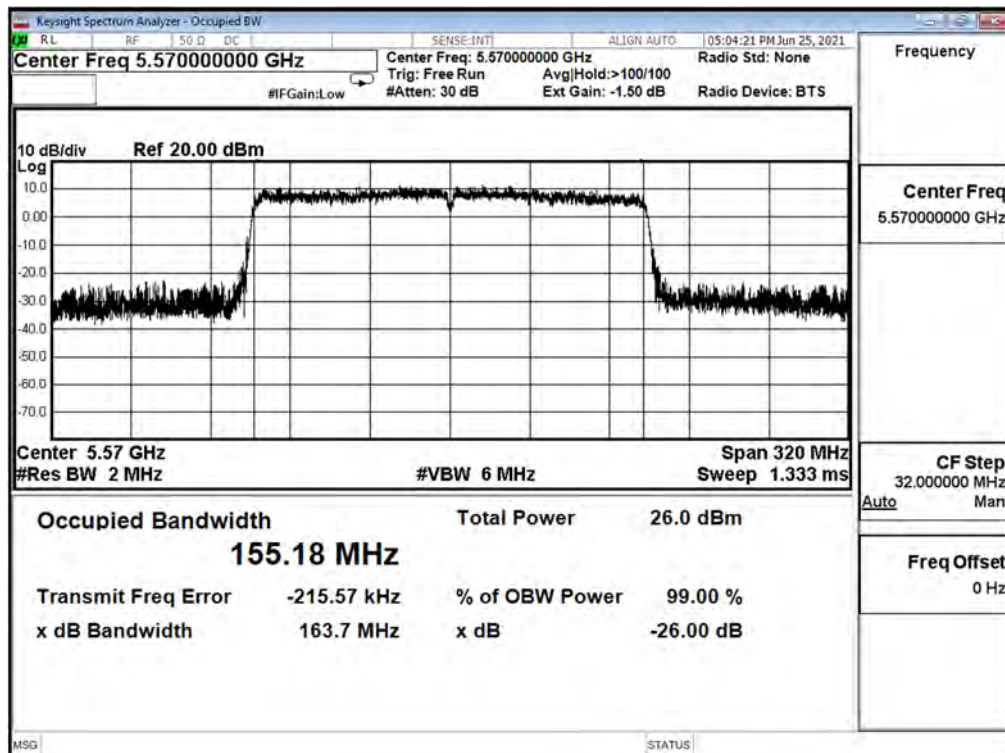


Channel 50 (5250MHz)



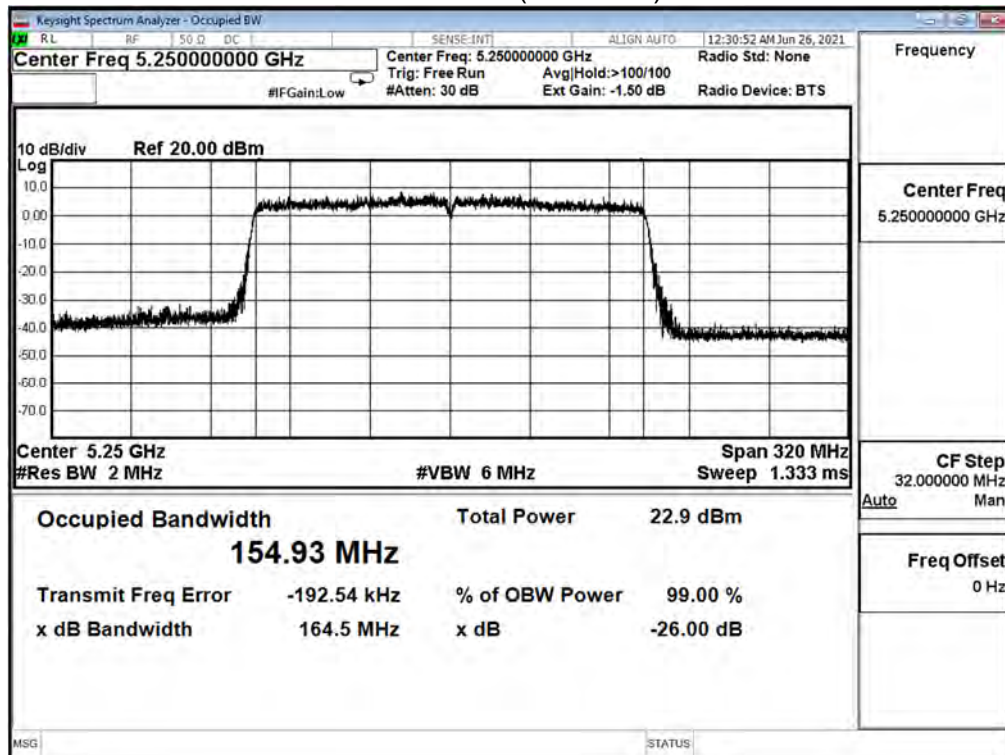
Channel 114 (5570MHz)



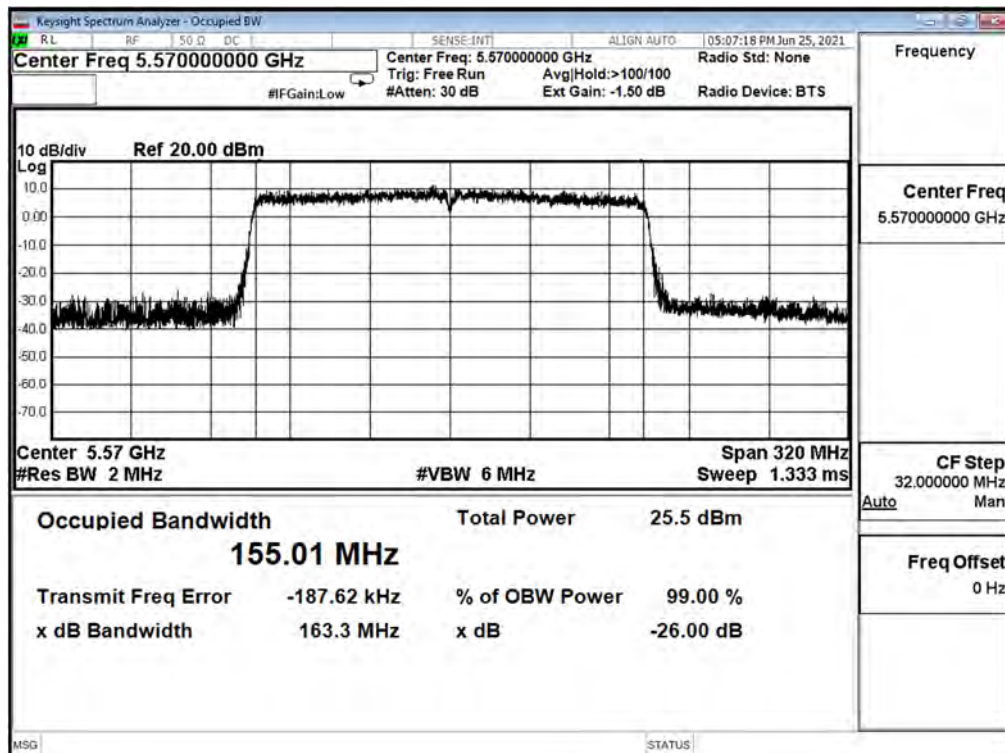
Product	Mesh Wi-Fi Router		
Test Item	26dB & 99% Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/06/25~2021/06/26	Test Site	SR12-H
Temperature (°C)	24	Humidity (%RH)	66

IEEE 802.11ax_160M(ANT 2)					
Channel No.	Frequency (MHz)	Measure Value		Limit (MHz)	Result
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)		
50	5250 (Band 1)	77.465	82.250	--	Pass
	5250 (Band 2)	77.465	82.250	--	Pass
114	5570	155.010	163.300	--	Pass

Channel 50 (5250MHz)



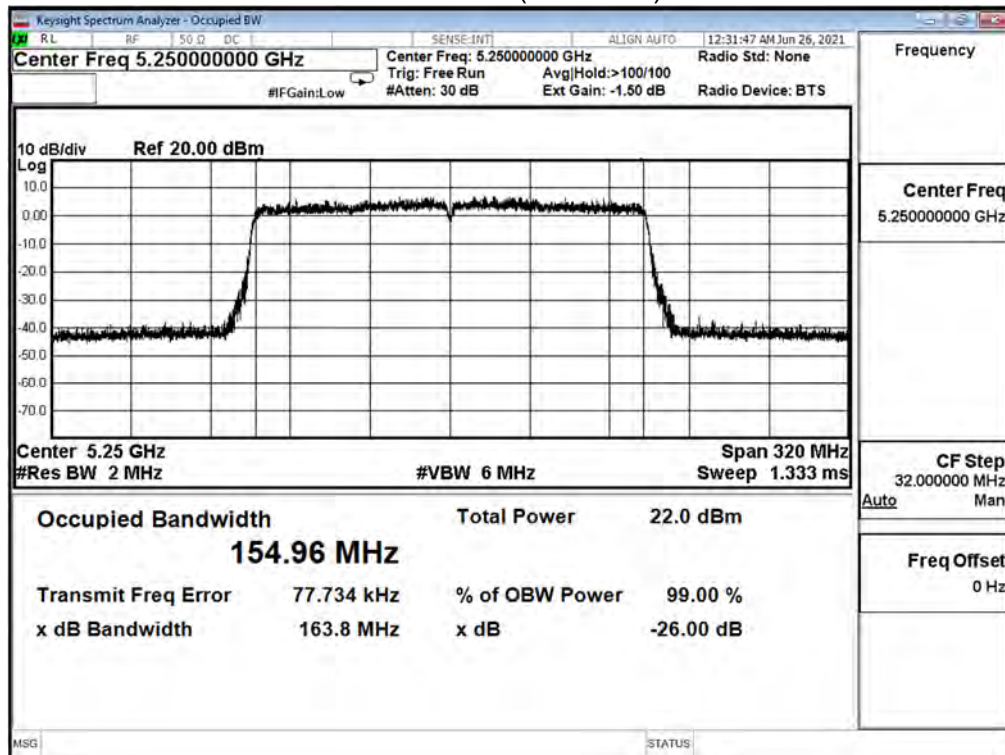
Channel 114 (5570MHz)



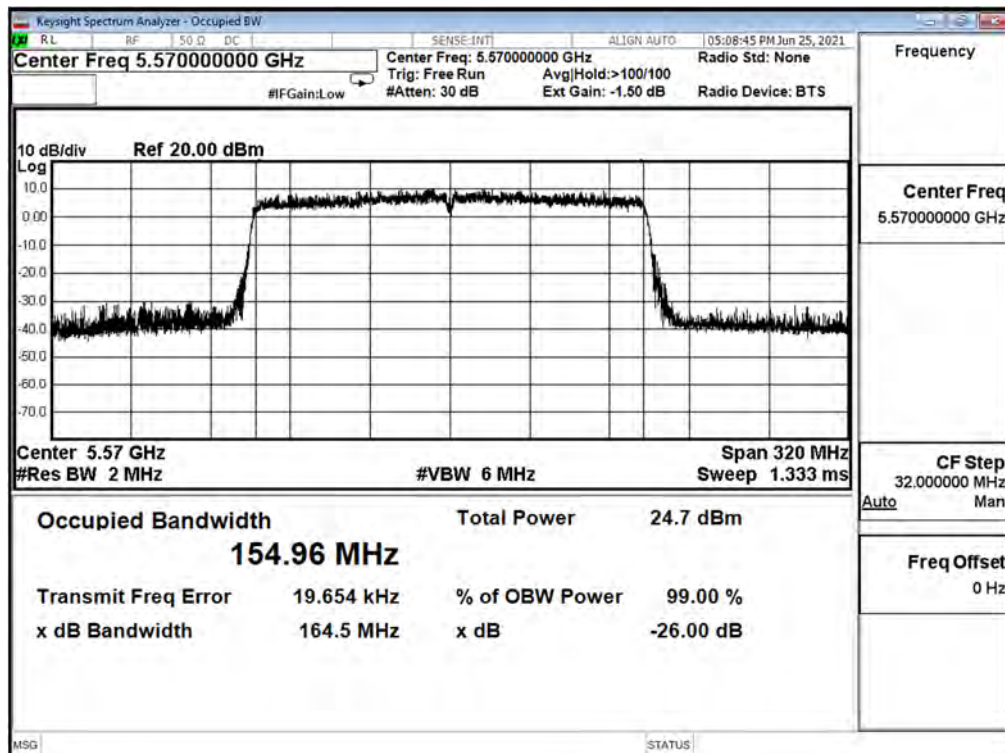
Product	Mesh Wi-Fi Router		
Test Item	26dB & 99% Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/06/25~2021/06/26	Test Site	SR12-H
Temperature (°C)	24	Humidity (%RH)	66

IEEE 802.11ax_160M(ANT 3)					
Channel No.	Frequency (MHz)	Measure Value		Limit (MHz)	Result
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)		
50	5250 (Band 1)	77.480	81.900	--	Pass
	5250 (Band 2)	77.480	81.900	--	Pass
114	5570	154.960	164.500	--	Pass

Channel 50 (5250MHz)



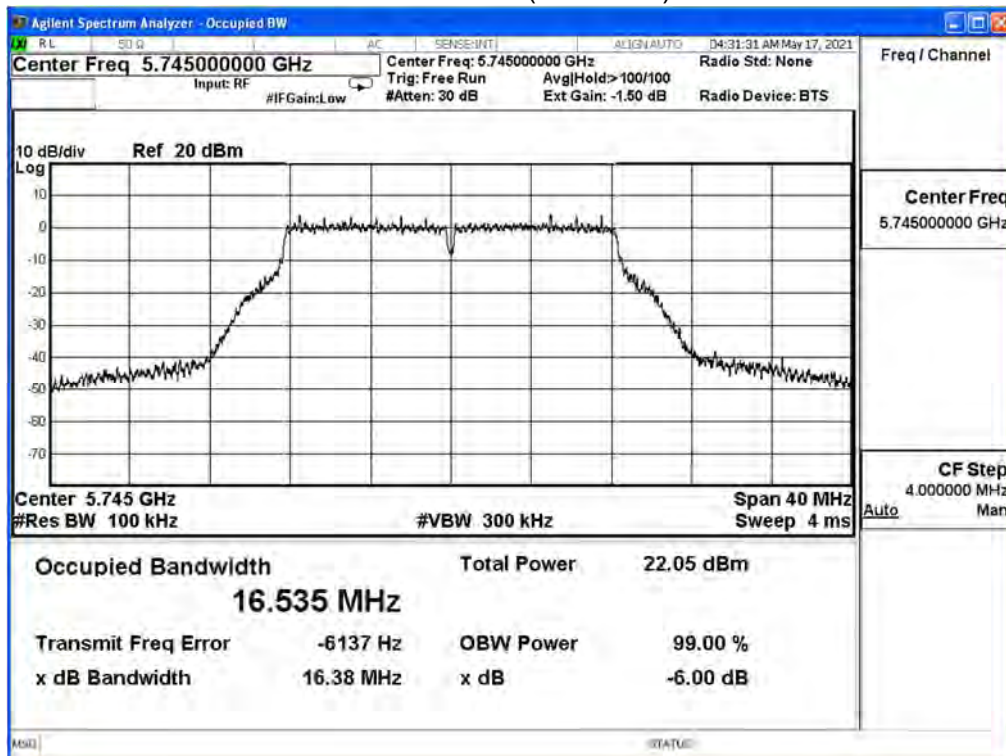
Channel 114 (5570MHz)



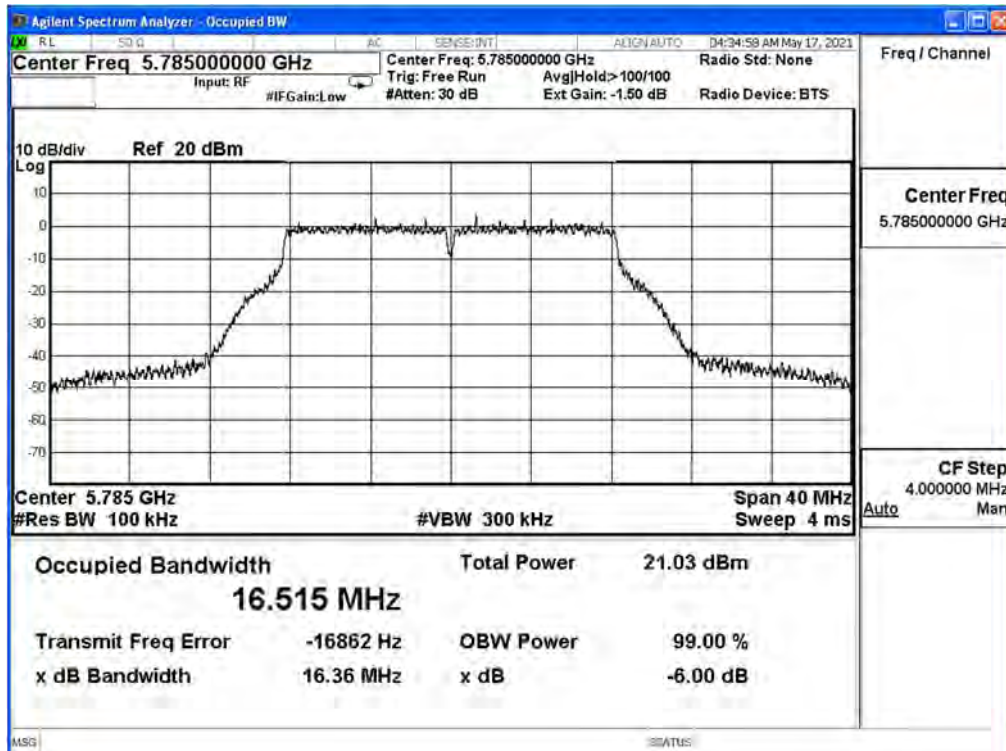
Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/17	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	69.0

IEEE 802.11a (ANT 0)			
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)
149	5745	16.380	≥ 0.500
157	5785	16.360	≥ 0.500
165	5825	16.380	≥ 0.500

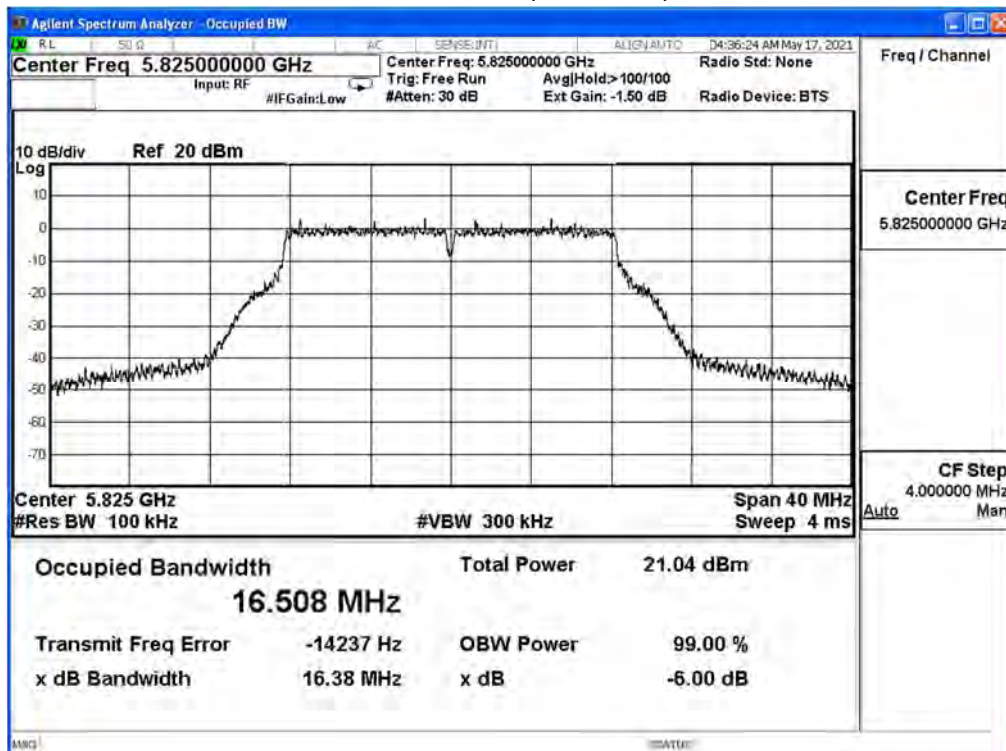
Channel 149 (5745MHz)



Channel 157 (5785MHz)



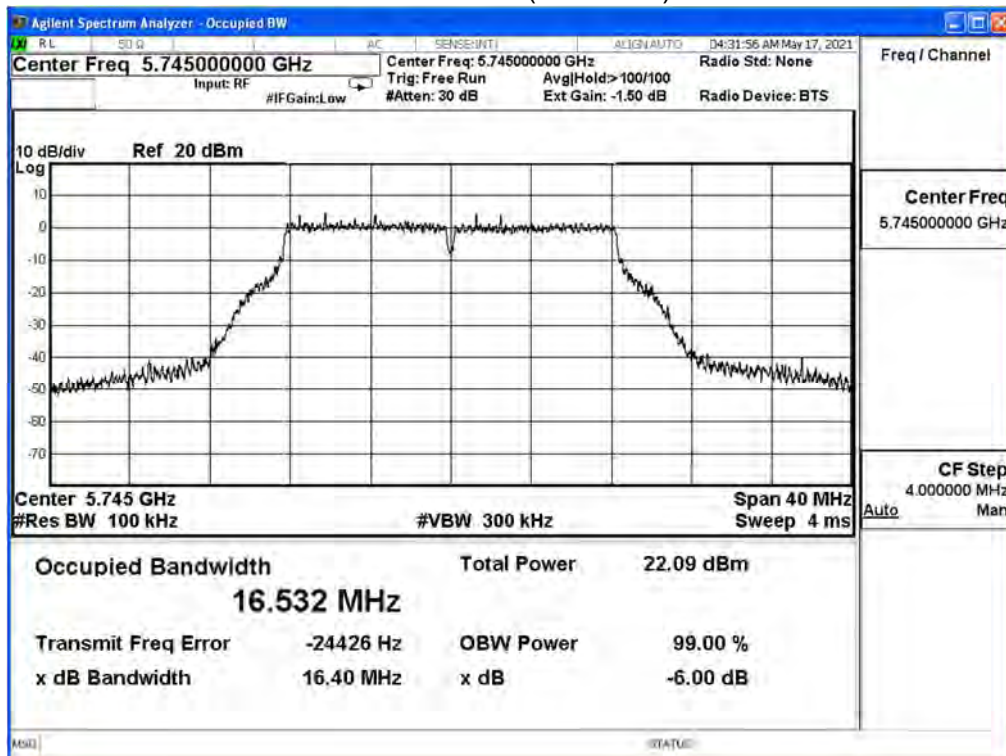
Channel 165 (5825MHz)



Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/17	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	69.0

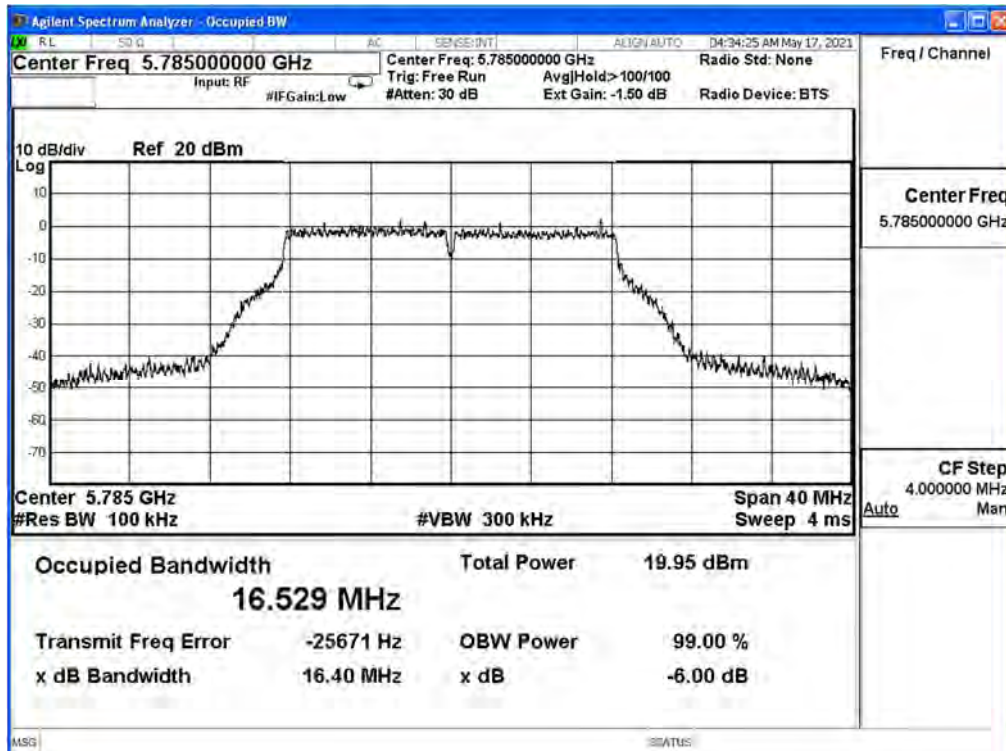
IEEE 802.11a (ANT 1)			
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)
149	5745	16.400	≥ 0.500
157	5785	16.400	≥ 0.500
165	5825	16.390	≥ 0.500

Channel 149 (5745MHz)

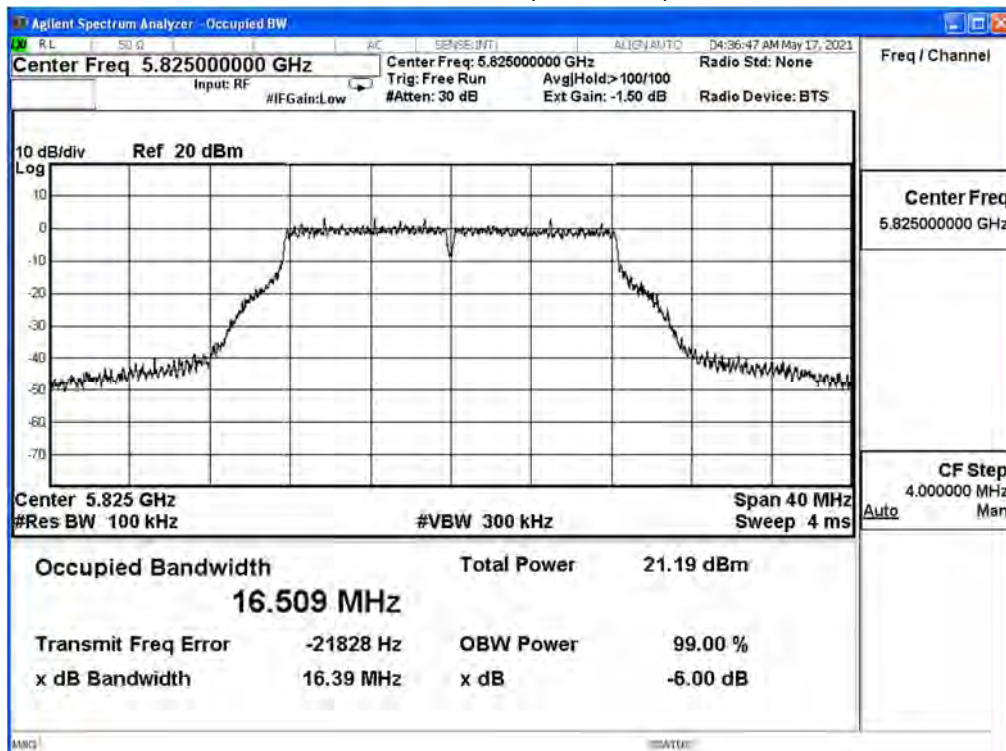




Channel 157 (5785MHz)



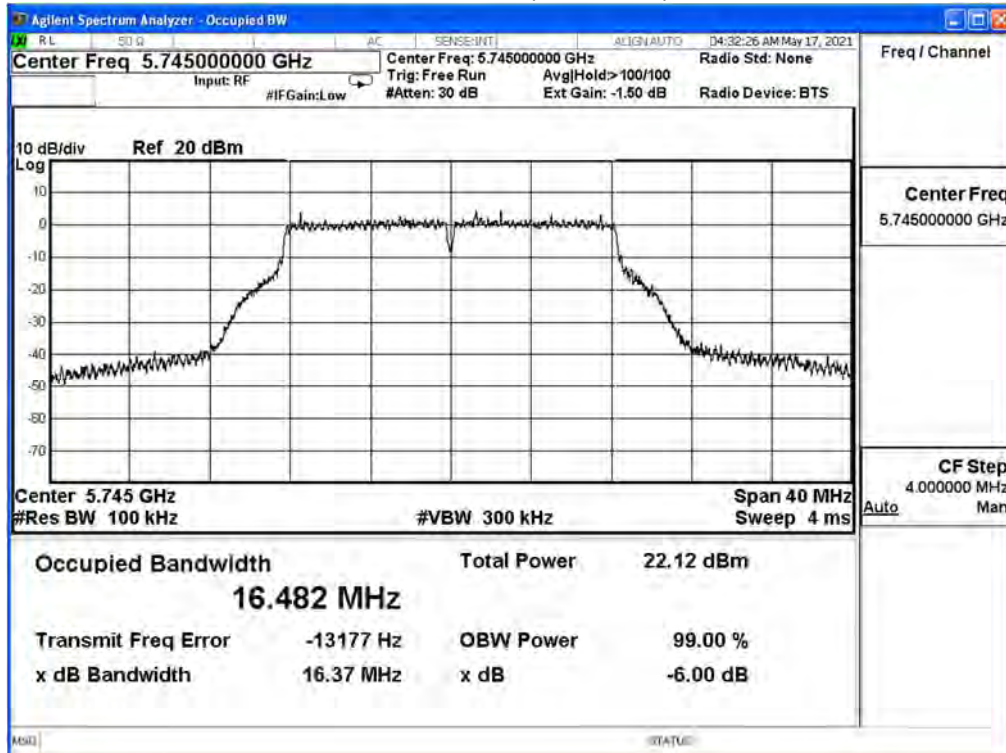
Channel 165 (5825MHz)



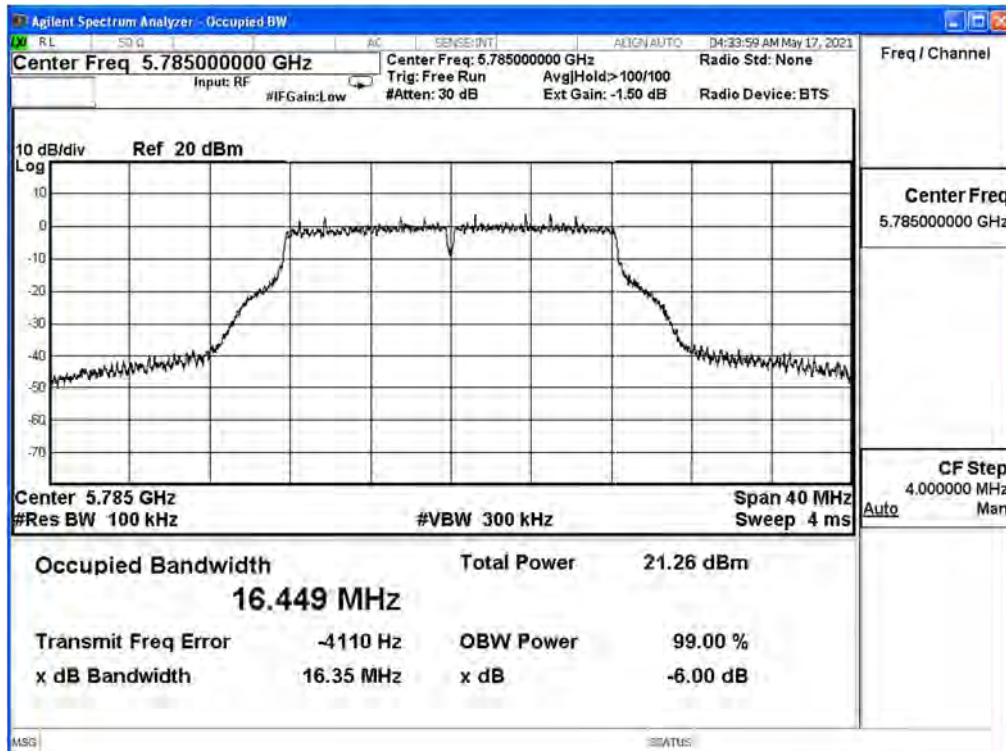
Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/17	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	69.0

IEEE 802.11a (ANT 2)			
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)
149	5745	16.370	≥ 0.500
157	5785	16.350	≥ 0.500
165	5825	16.360	≥ 0.500

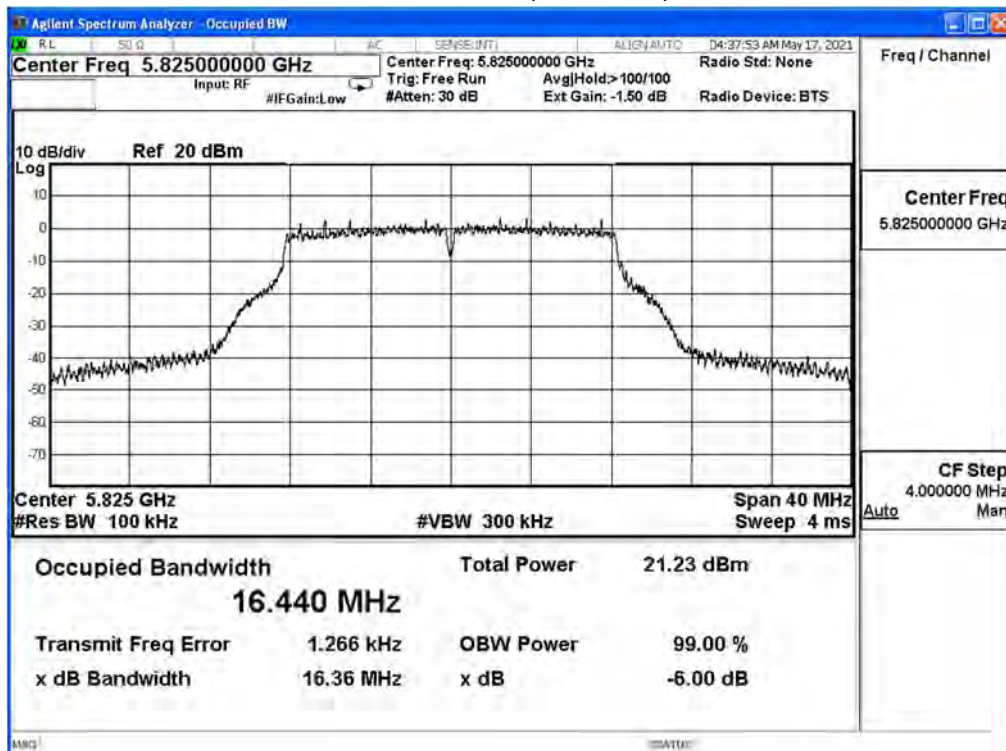
Channel 149 (5745MHz)



Channel 157 (5785MHz)



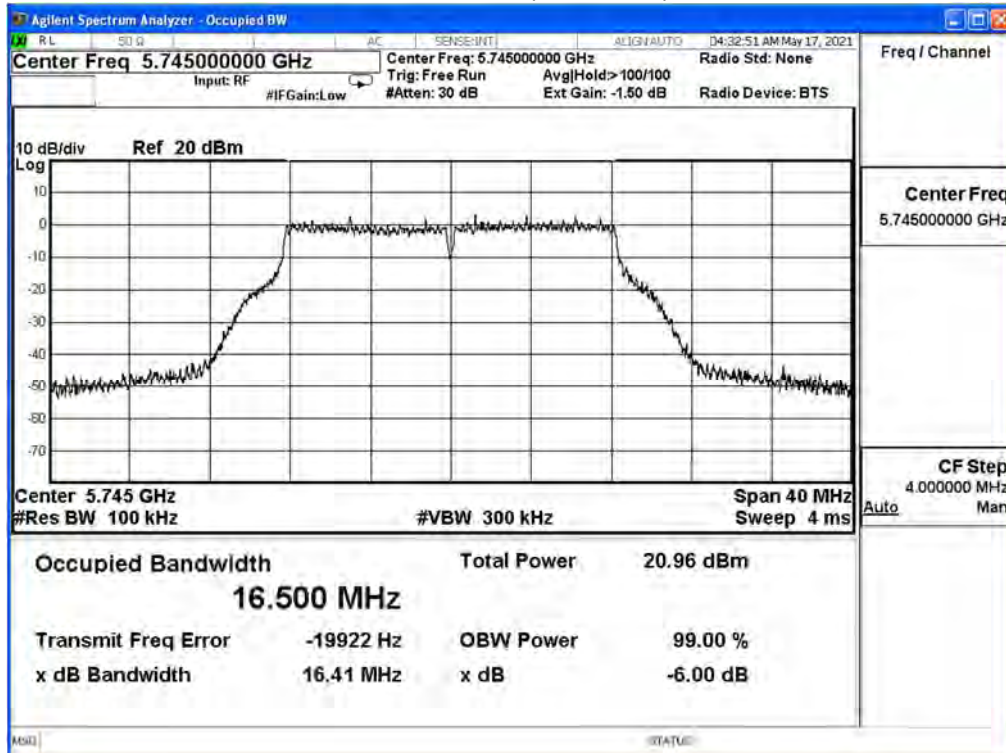
Channel 165 (5825MHz)



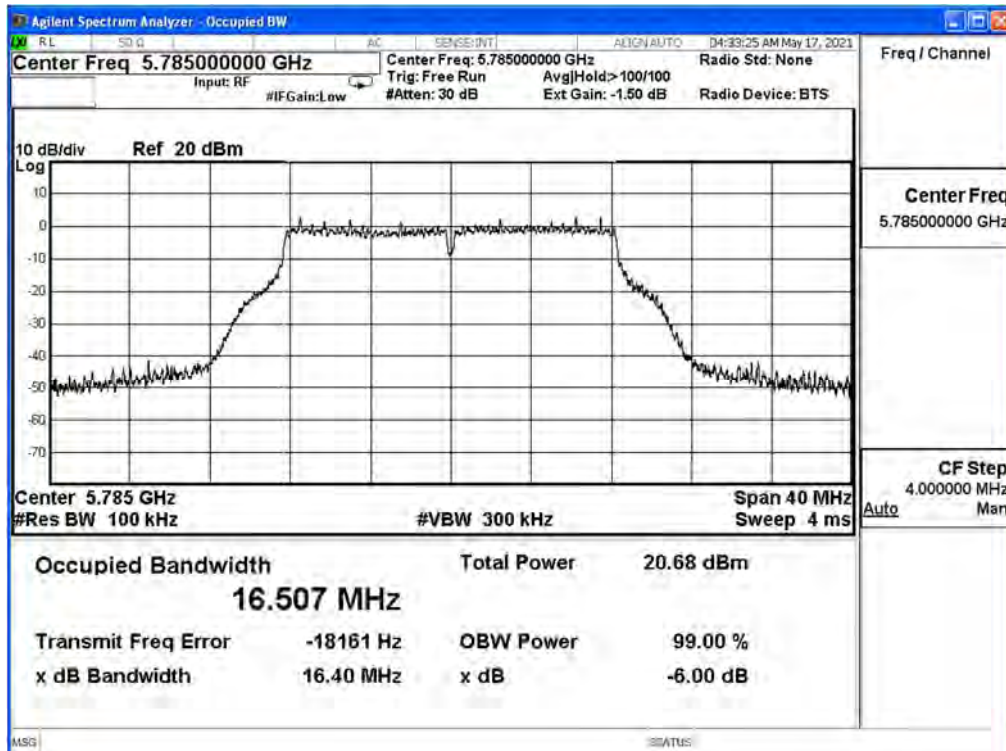
Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/17	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	69.0

IEEE 802.11a (ANT 3)			
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)
149	5745	16.410	≥ 0.500
157	5785	16.400	≥ 0.500
165	5825	16.380	≥ 0.500

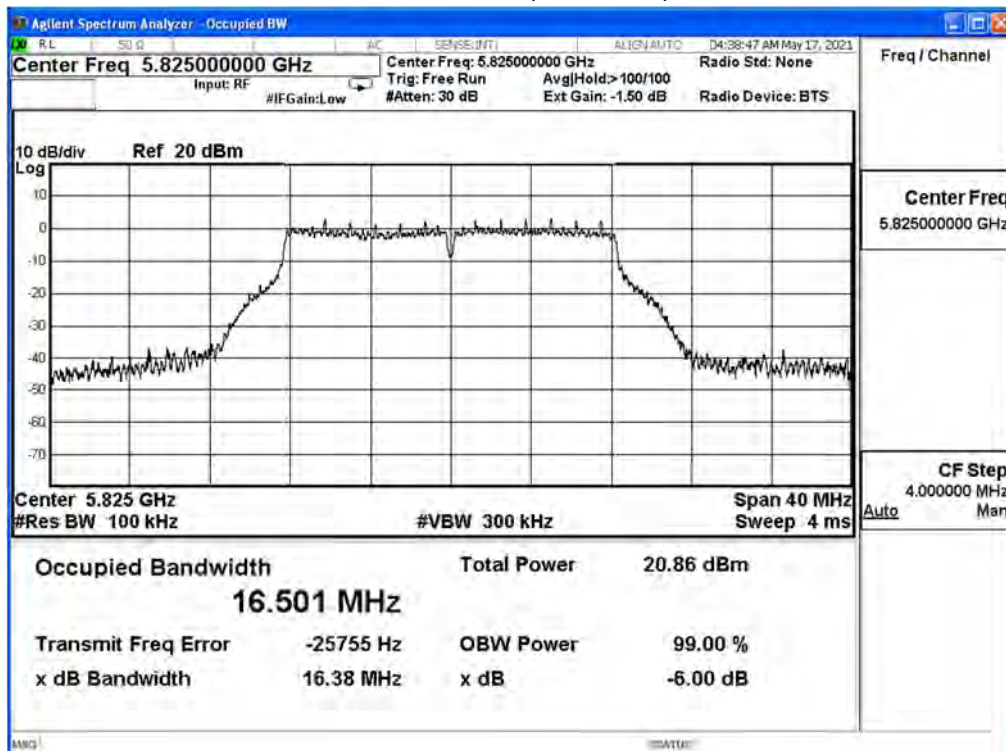
Channel 149 (5745MHz)



Channel 157 (5785MHz)



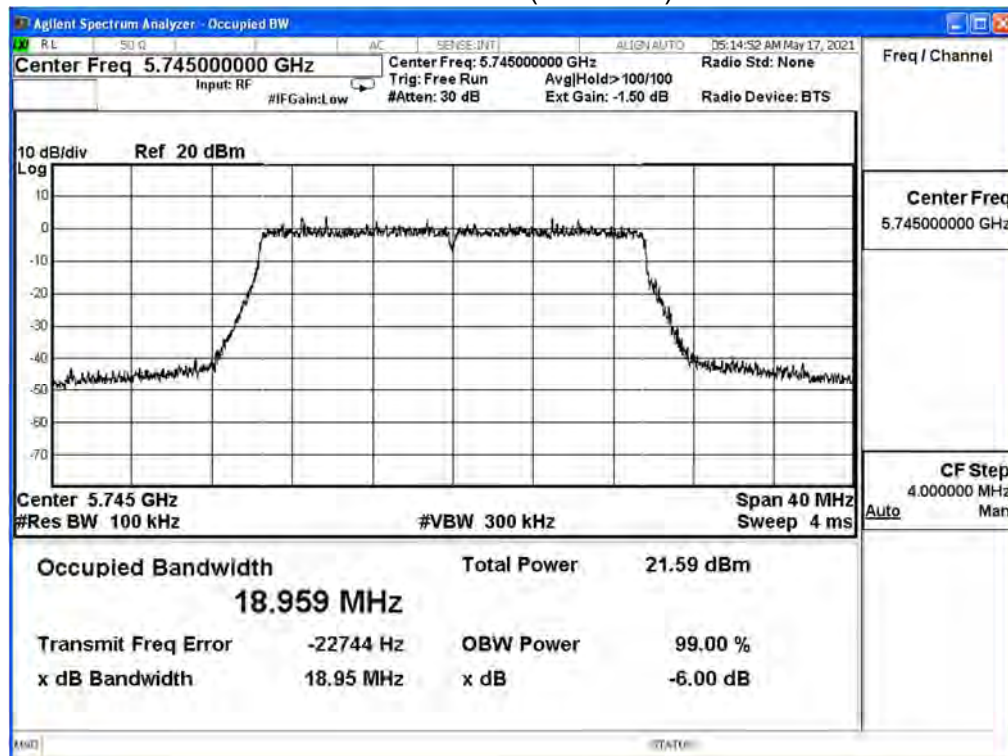
Channel 165 (5825MHz)



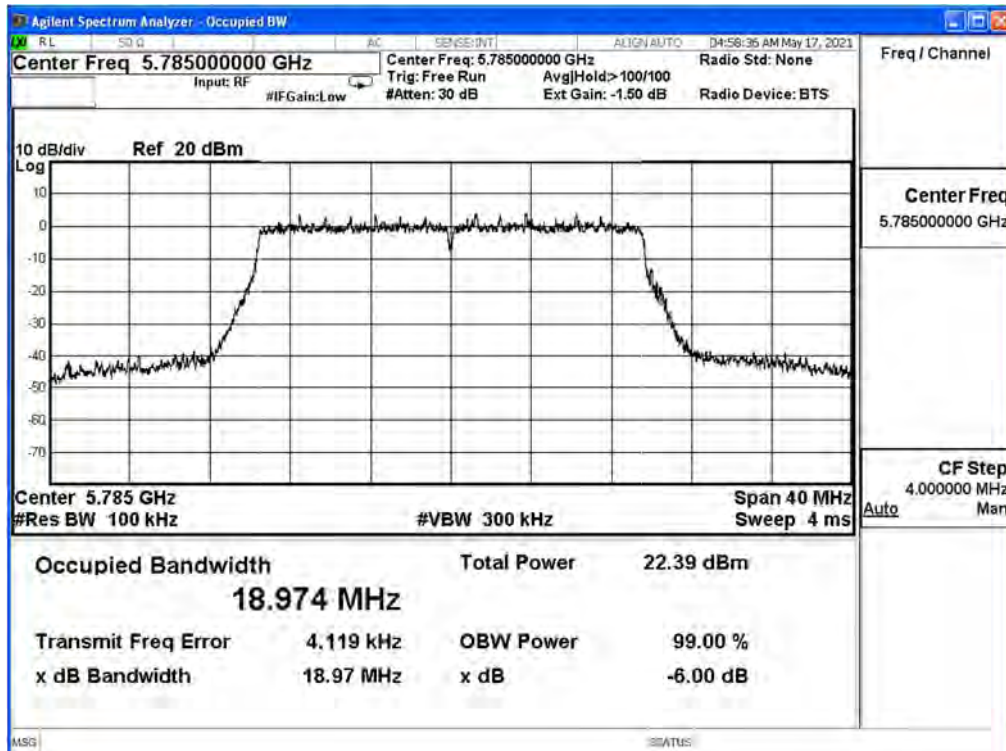
Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/17	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	69.0

IEEE 802.11ax_20M(ANT 0)			
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)
149	5745	18.950	≥ 0.500
157	5785	18.970	≥ 0.500
165	5825	18.990	≥ 0.500

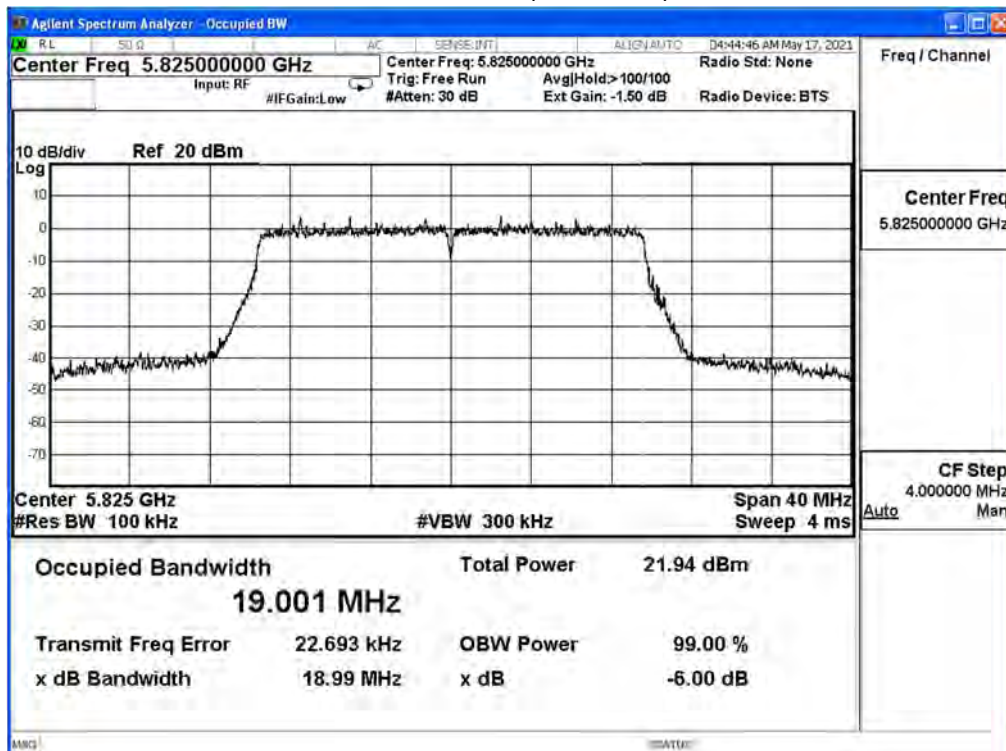
Channel 149 (5745MHz)



Channel 157 (5785MHz)



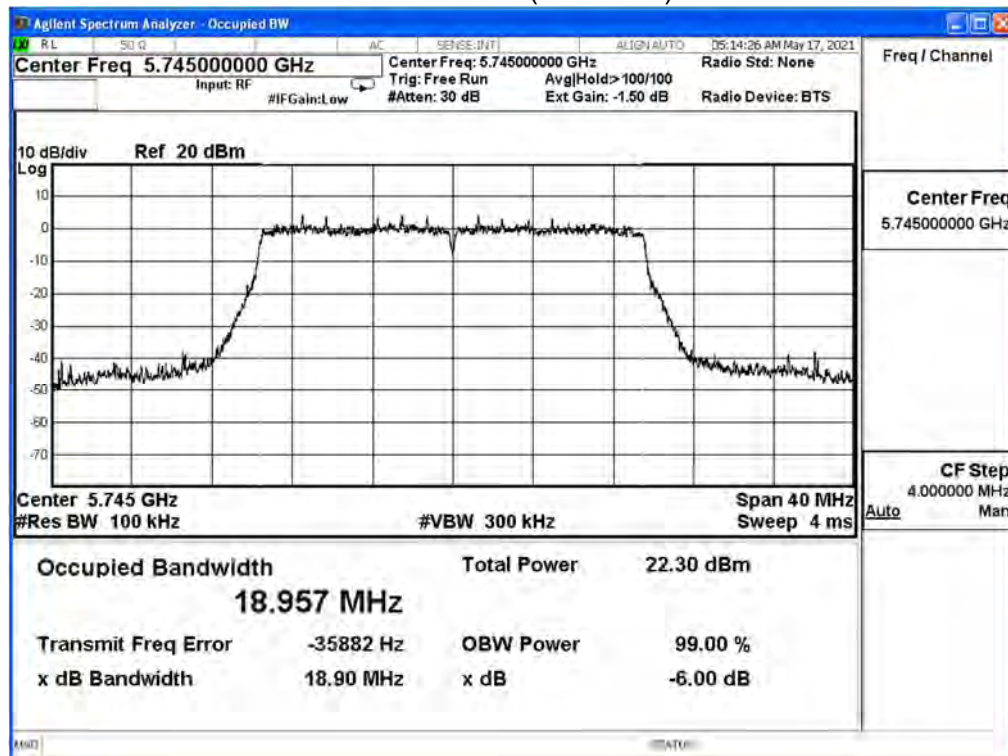
Channel 165 (5825MHz)



Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/17	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	69.0

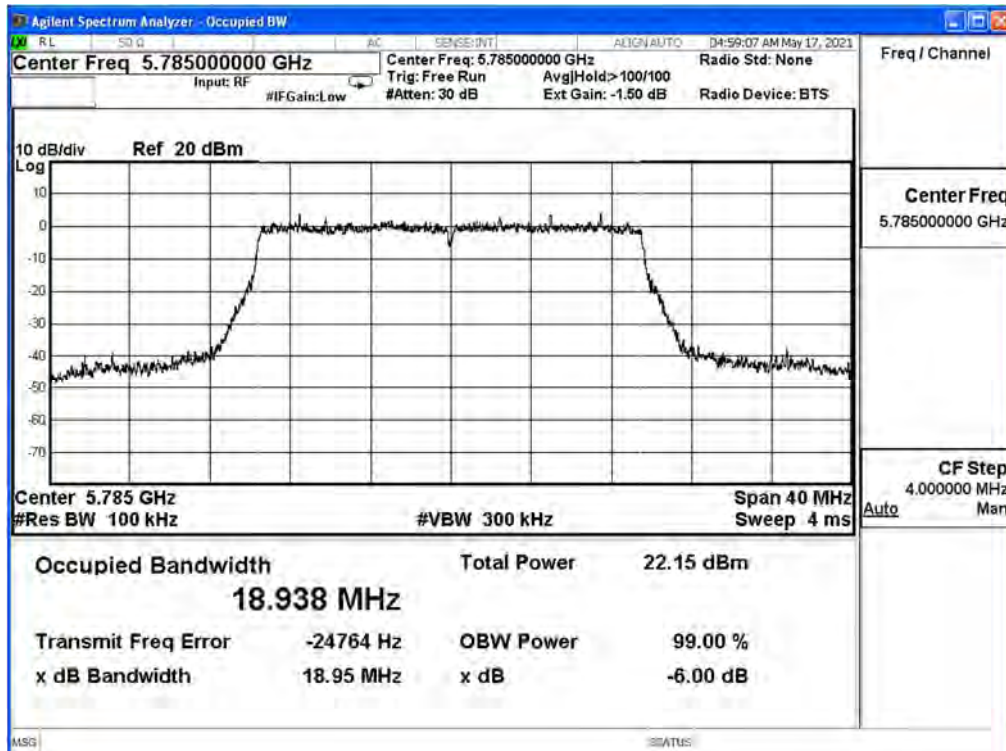
IEEE 802.11ax_20M(ANT 1)			
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)
149	5745	18.900	≥ 0.500
157	5785	18.950	≥ 0.500
165	5825	18.970	≥ 0.500

Channel 149 (5745MHz)

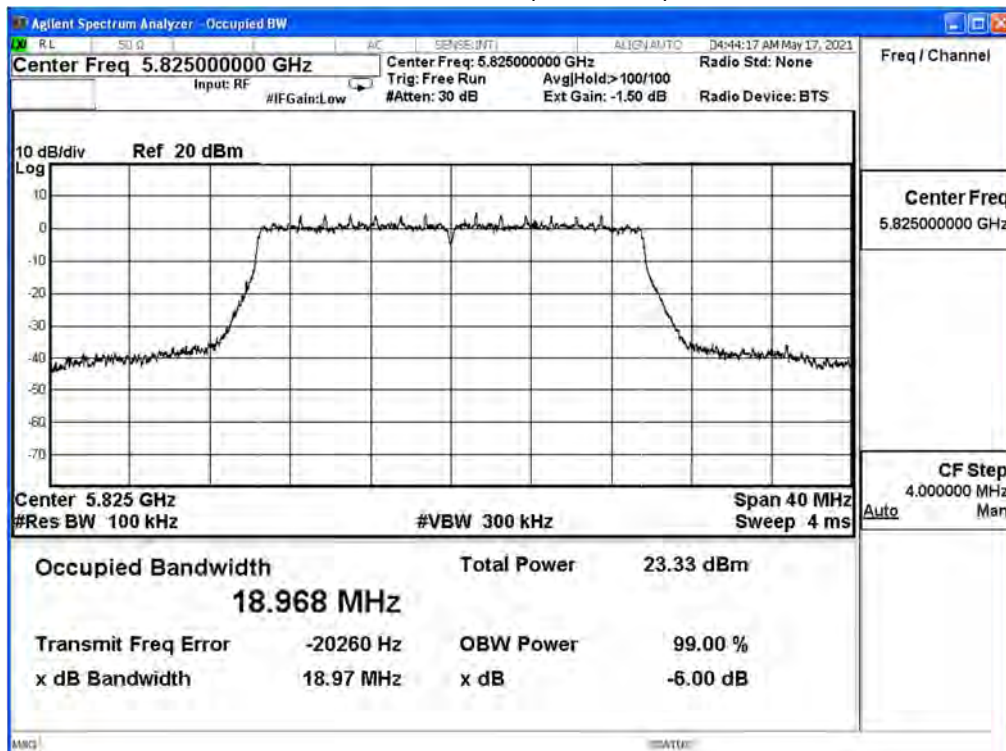




Channel 157 (5785MHz)



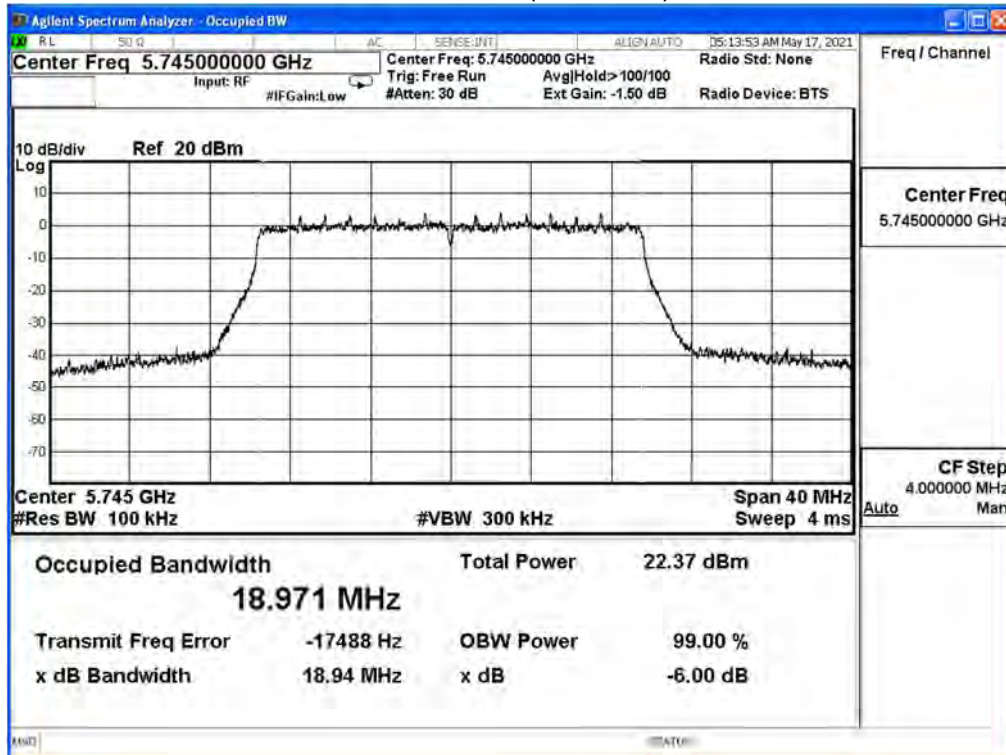
Channel 165 (5825MHz)



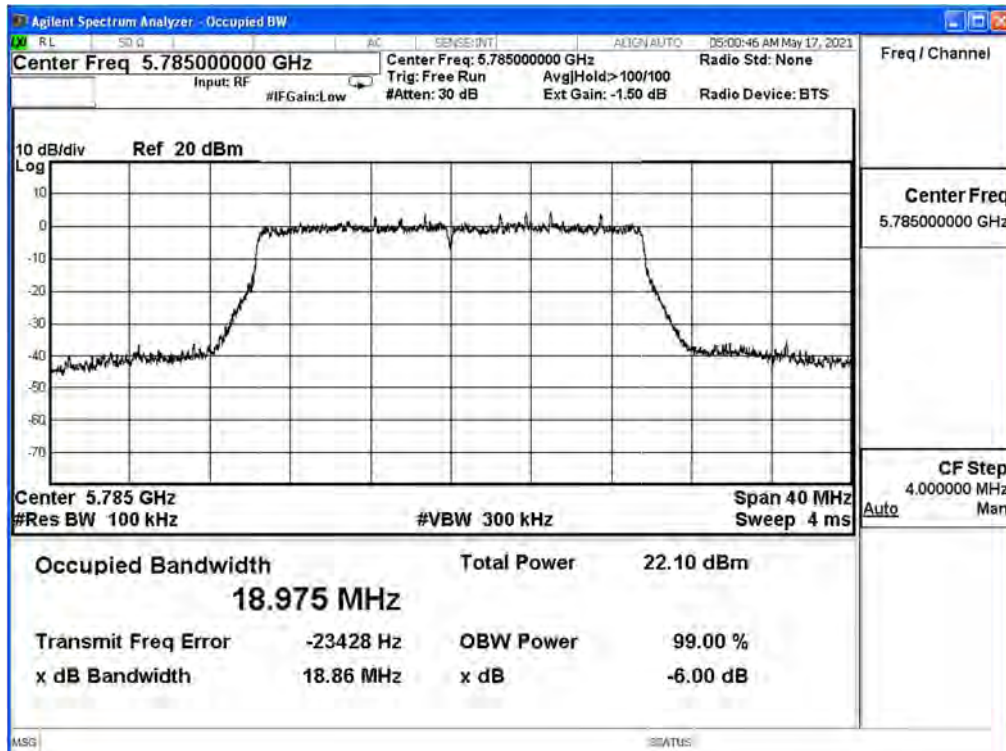
Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/17	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	69.0

IEEE 802.11ax_20M(ANT 2)			
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)
149	5745	18.940	≥ 0.500
157	5785	18.860	≥ 0.500
165	5825	18.910	≥ 0.500

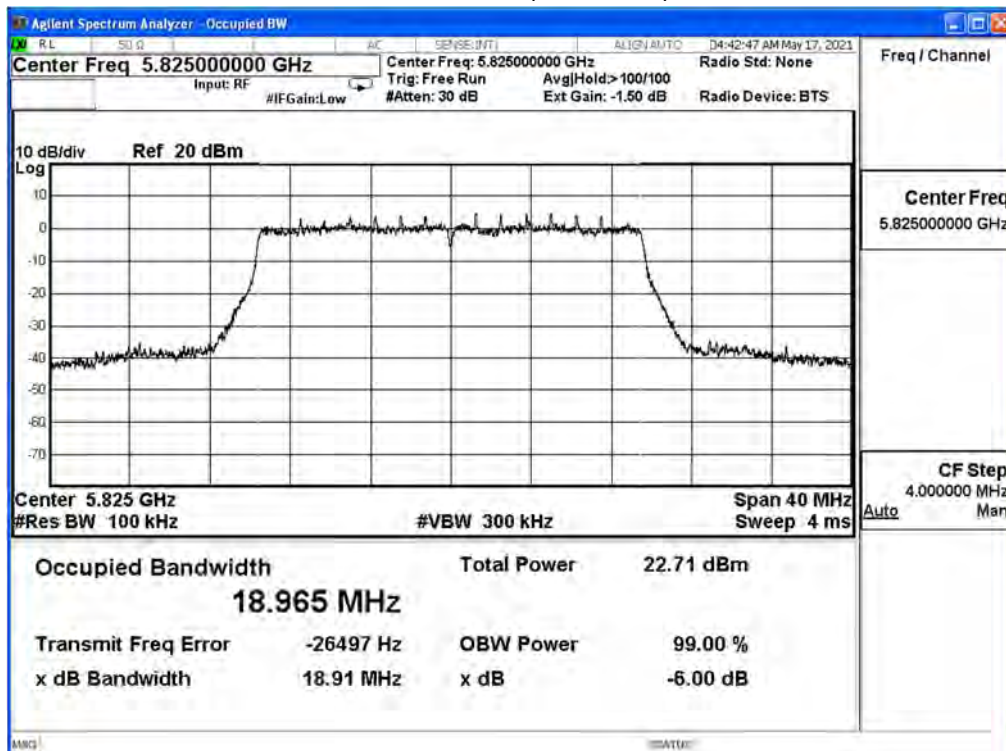
Channel 149 (5745MHz)



Channel 157 (5785MHz)



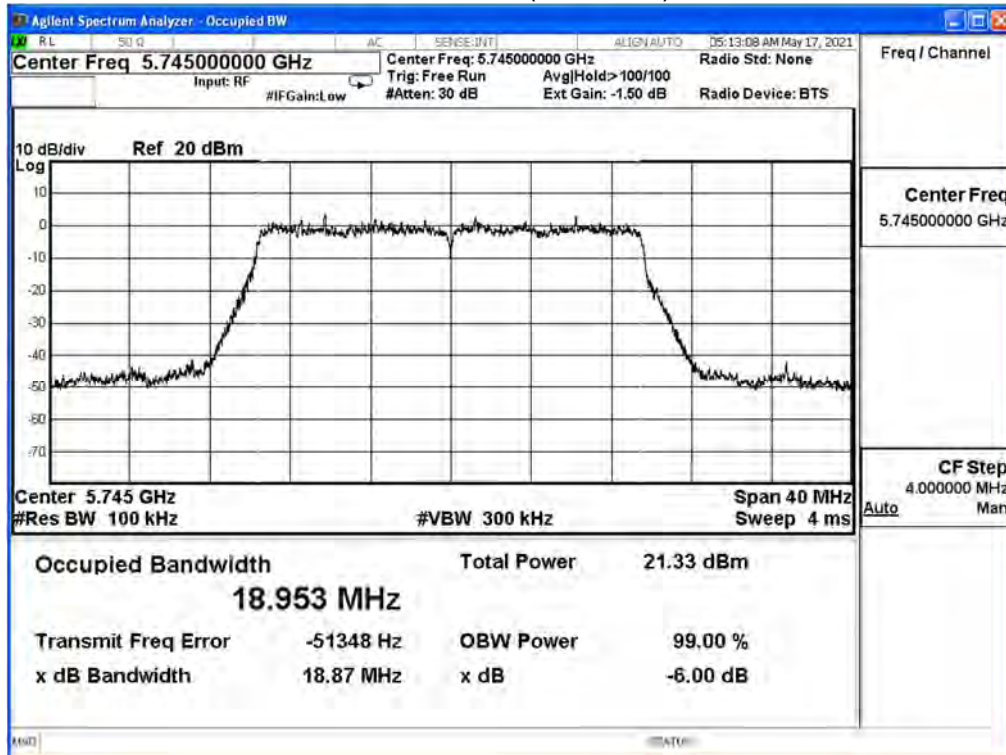
Channel 165 (5825MHz)



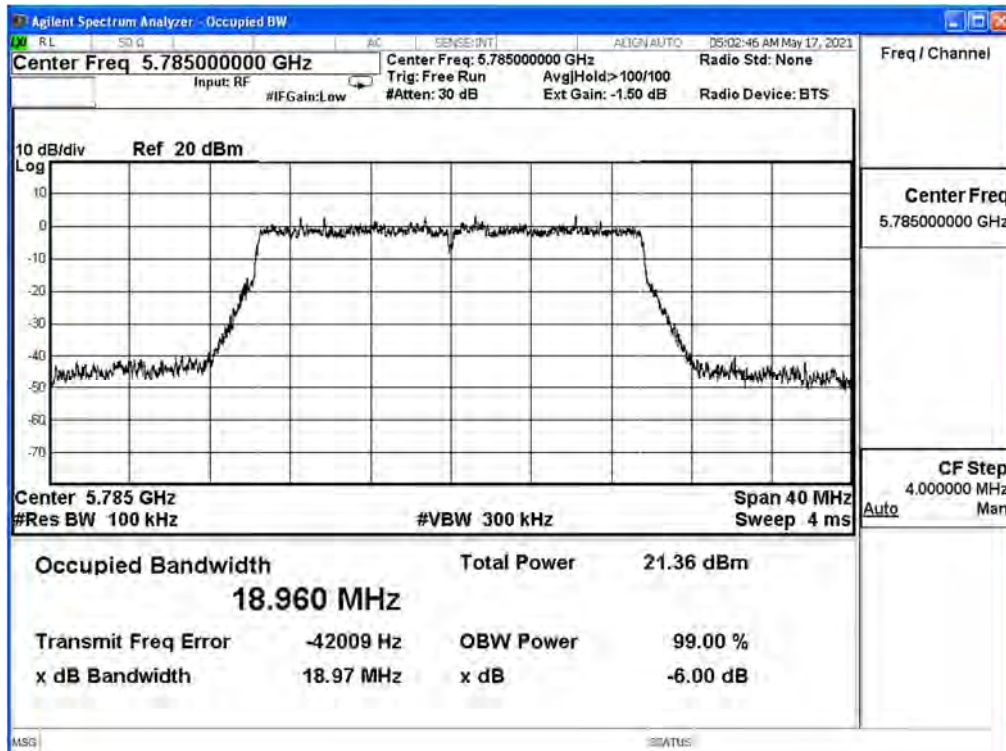
Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/17	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	69.0

IEEE 802.11ax_20M(ANT 3)			
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)
149	5745	18.870	≥ 0.500
157	5785	18.970	≥ 0.500
165	5825	18.950	≥ 0.500

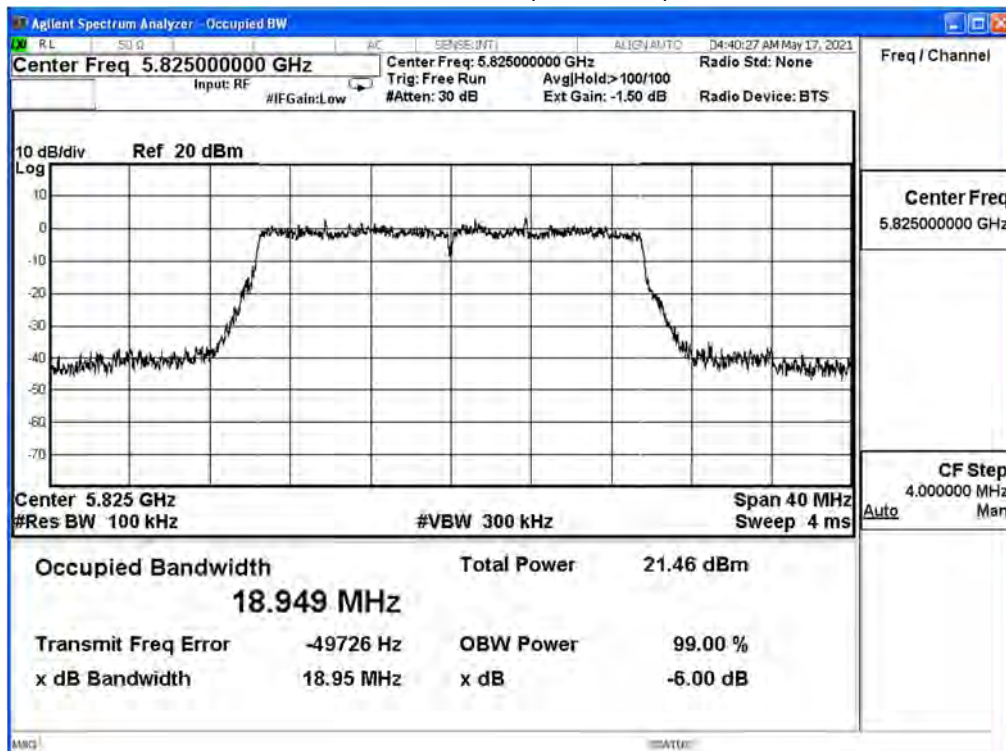
Channel 149 (5745MHz)



Channel 157 (5785MHz)



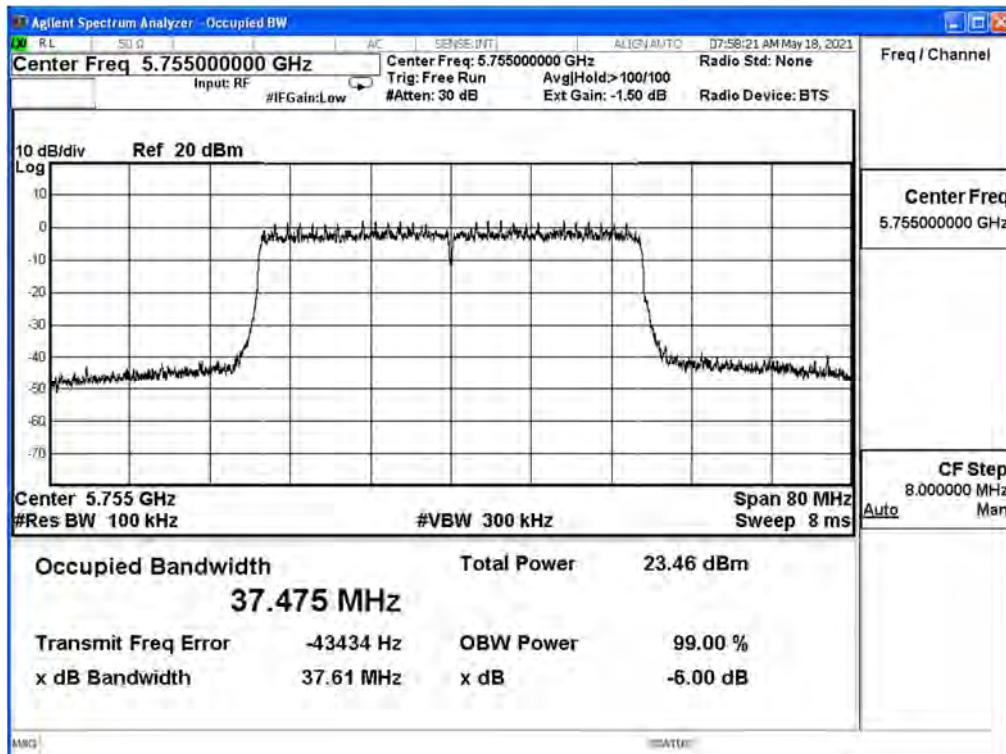
Channel 165 (5825MHz)



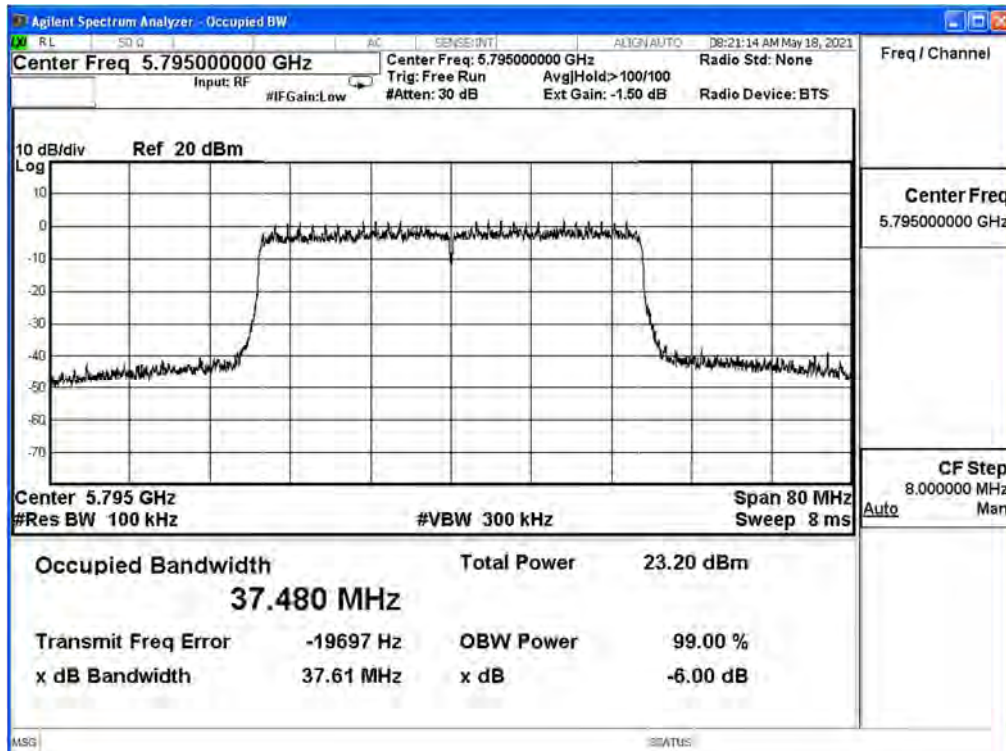
Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/17	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	69.0

IEEE 802.11ax_40M(ANT 0)			
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)
151	5755	37.610	≥ 0.500
159	5795	37.610	≥ 0.500

Channel 151 (5755MHz)



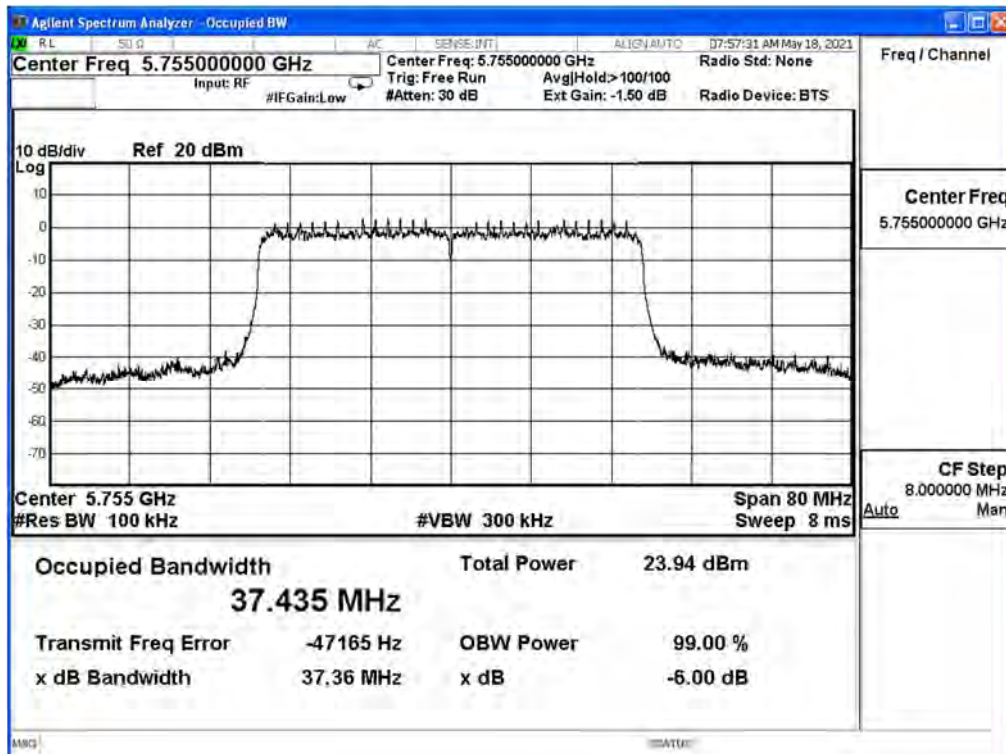
Channel 159 (5795MHz)



Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/17	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	69.0

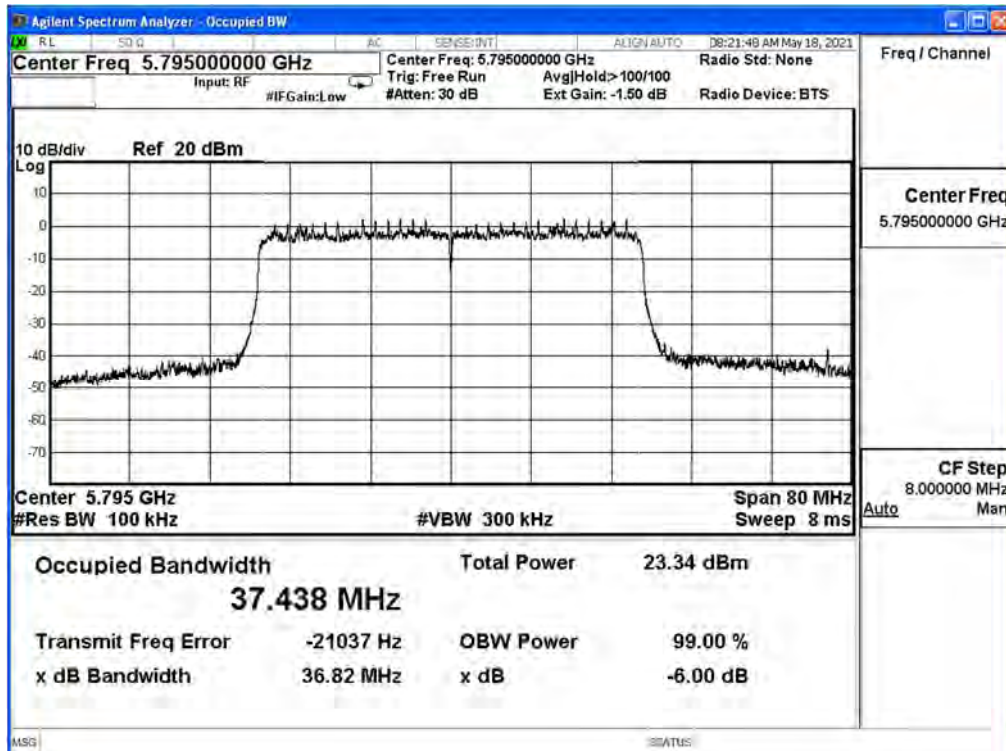
IEEE 802.11ax_40M(ANT 1)			
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)
151	5755	37.360	≥ 0.500
159	5795	36.820	≥ 0.500

Channel 151 (5755MHz)





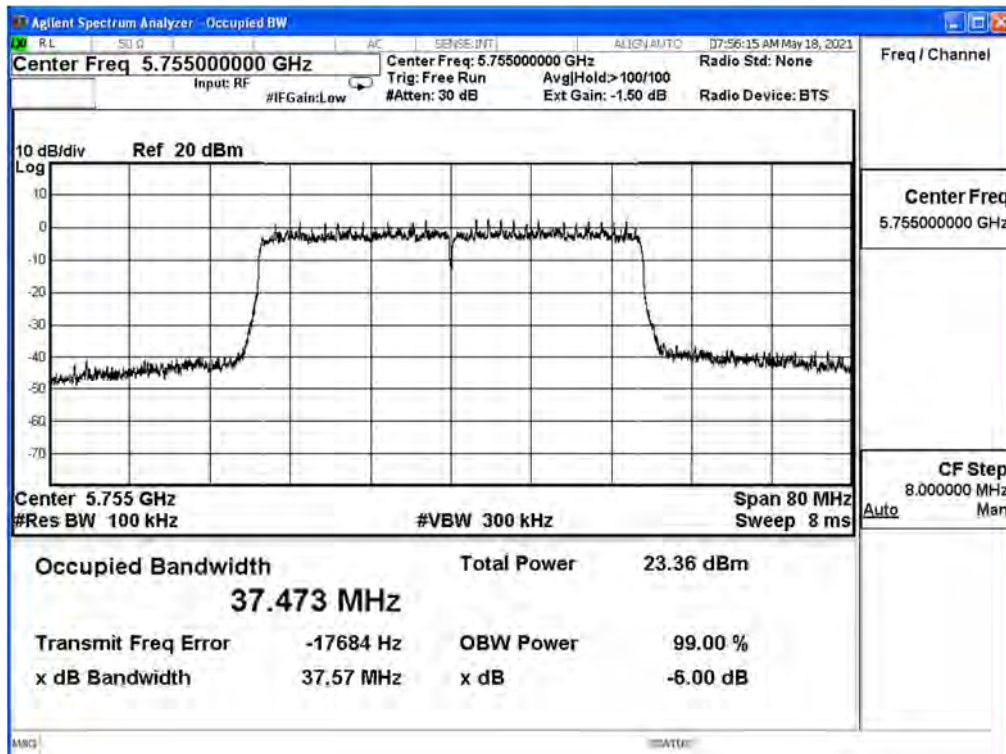
Channel 159 (5795MHz)



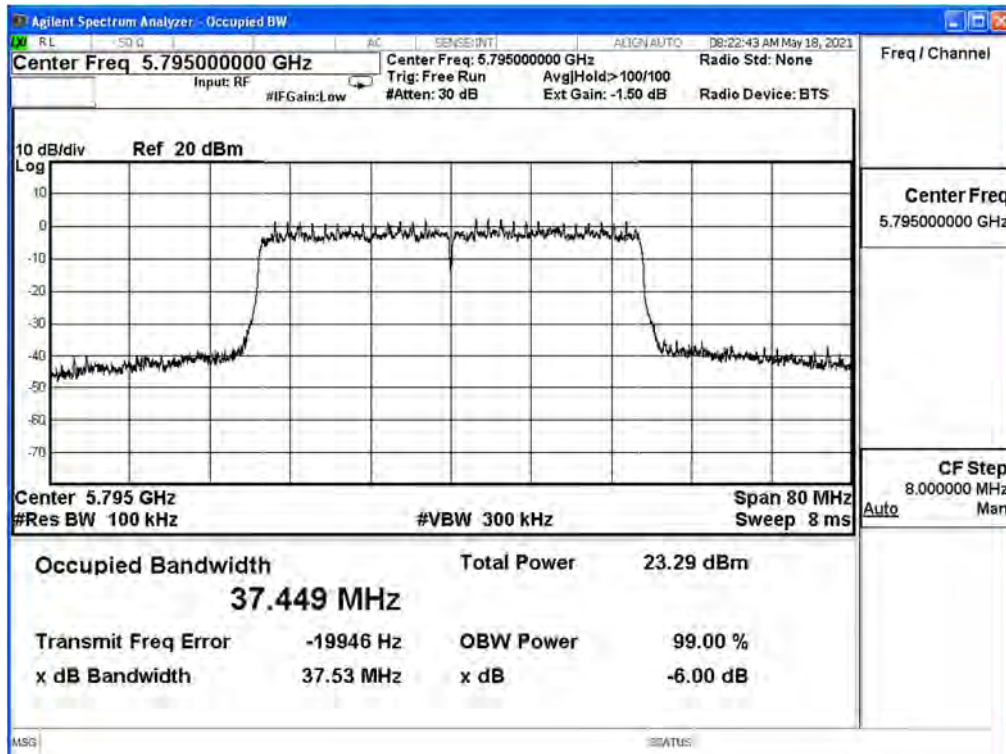
Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/17	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	69.0

IEEE 802.11ax_40M(ANT 2)			
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)
151	5755	37.570	≥ 0.500
159	5795	37.530	≥ 0.500

Channel 151 (5755MHz)



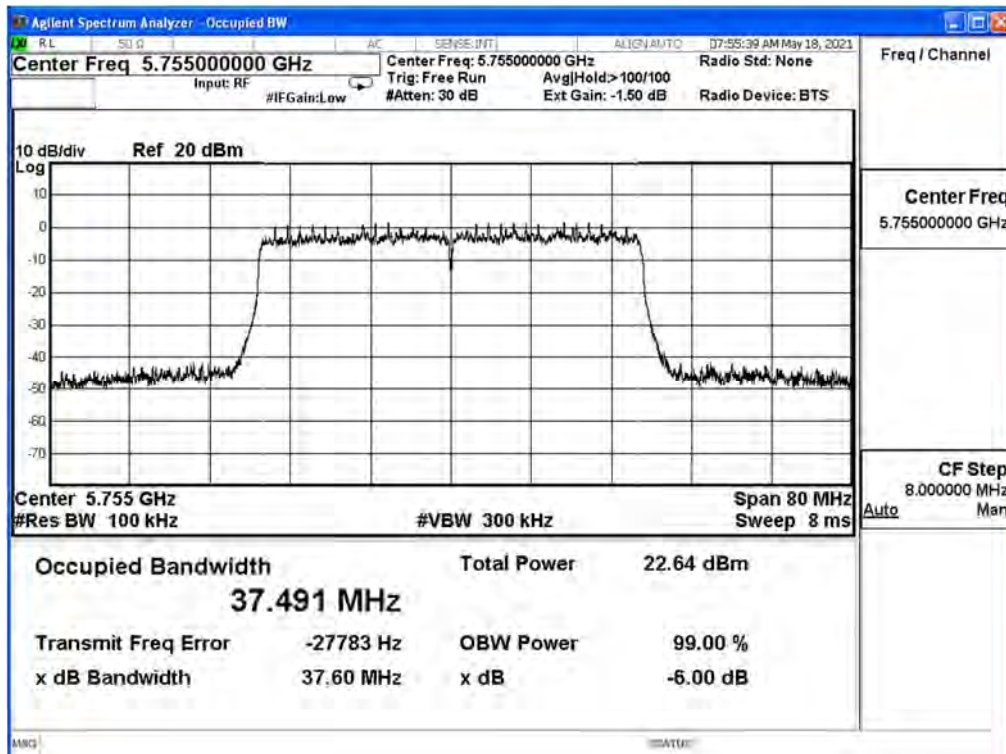
Channel 159 (5795MHz)



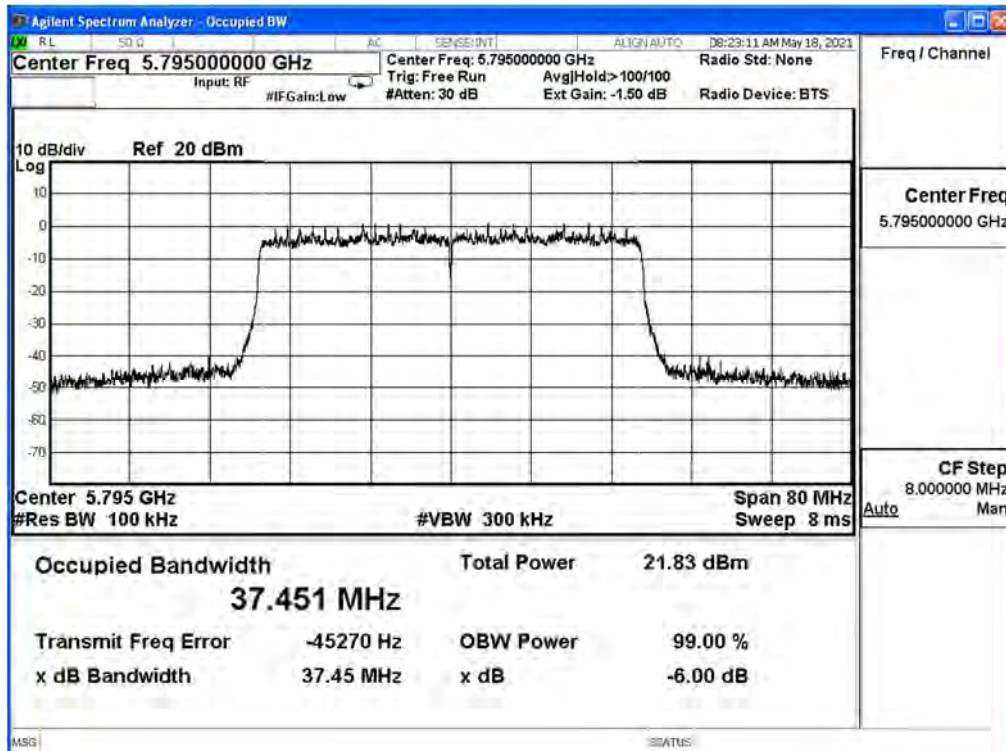
Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/17	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	69.0

IEEE 802.11ax_40M(ANT 3)			
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)
151	5755	37.600	≥ 0.500
159	5795	37.450	≥ 0.500

Channel 151 (5755MHz)



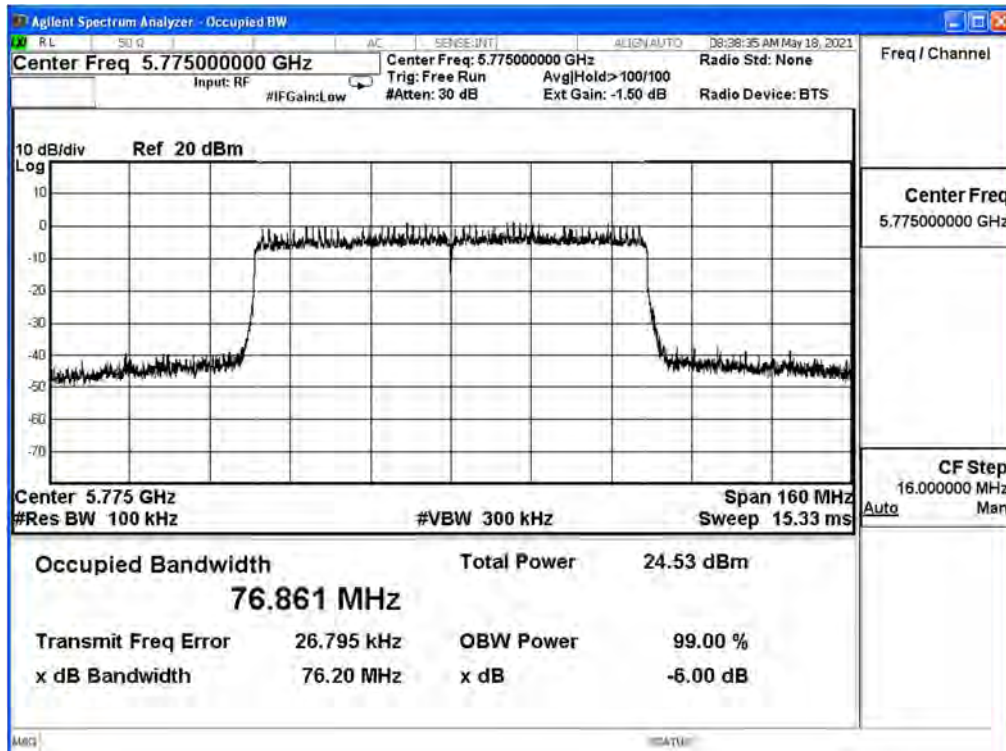
Channel 159 (5795MHz)



Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/17	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	69.0

IEEE 802.11ac_80M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)	Result
155	5775	76.200	>0.5	Pass

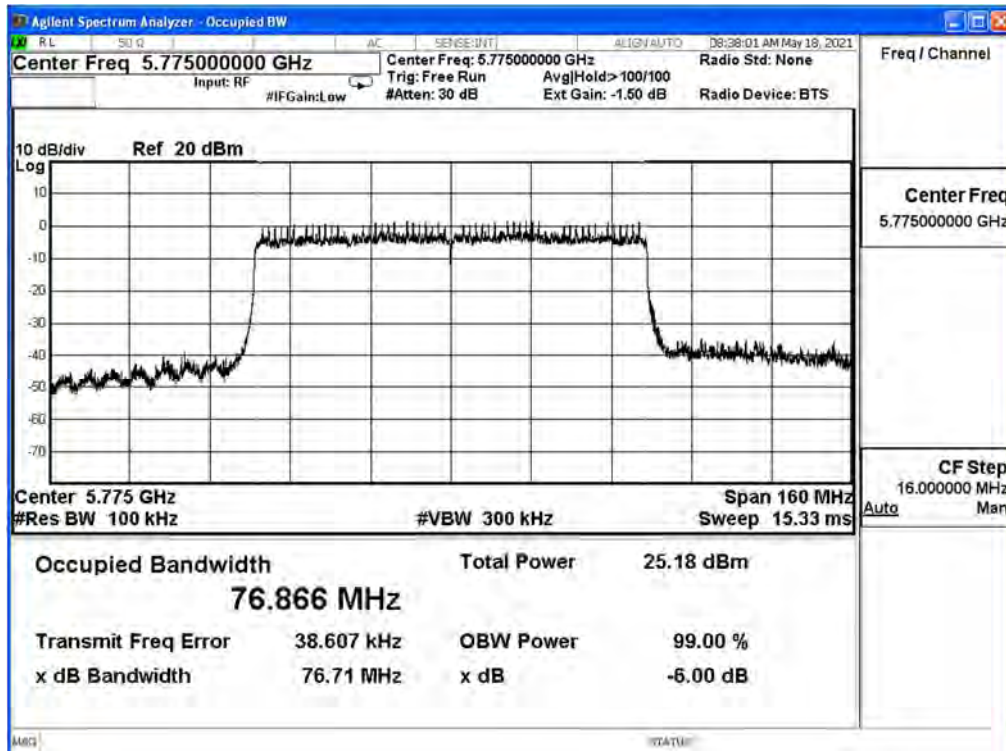
Channel 155 (5775MHz)



Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/17	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	69.0

IEEE 802.11ac_80M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)	Result
155	5775	76.710	>0.5	Pass

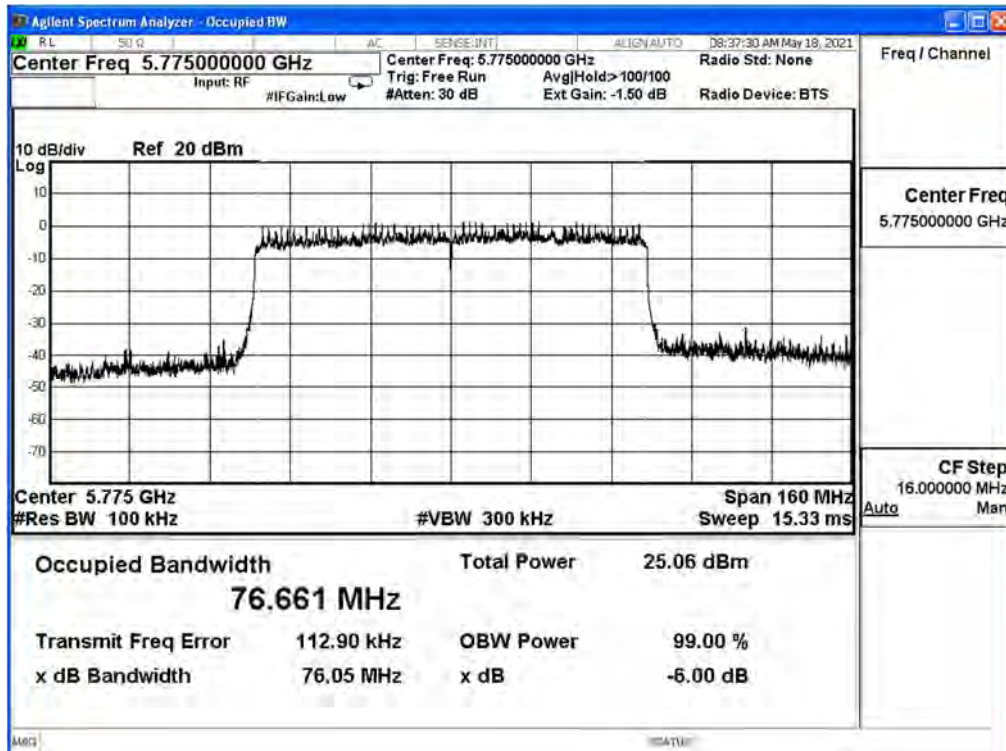
Channel 155 (5775MHz)



Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/17	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	69.0

IEEE 802.11ac_80M(ANT 2)				
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)	Result
155	5775	76.050	>0.5	Pass

Channel 155 (5775MHz)

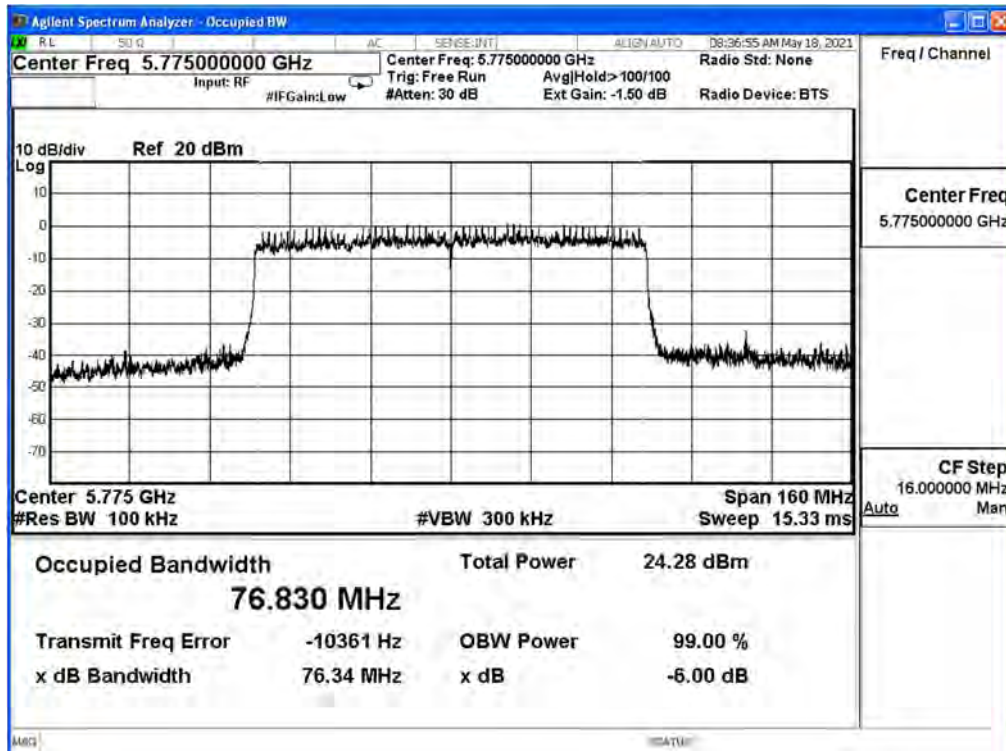




Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/17	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	69.0

IEEE 802.11ac_80M(ANT 3)				
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)	Result
155	5775	76.340	>0.5	Pass

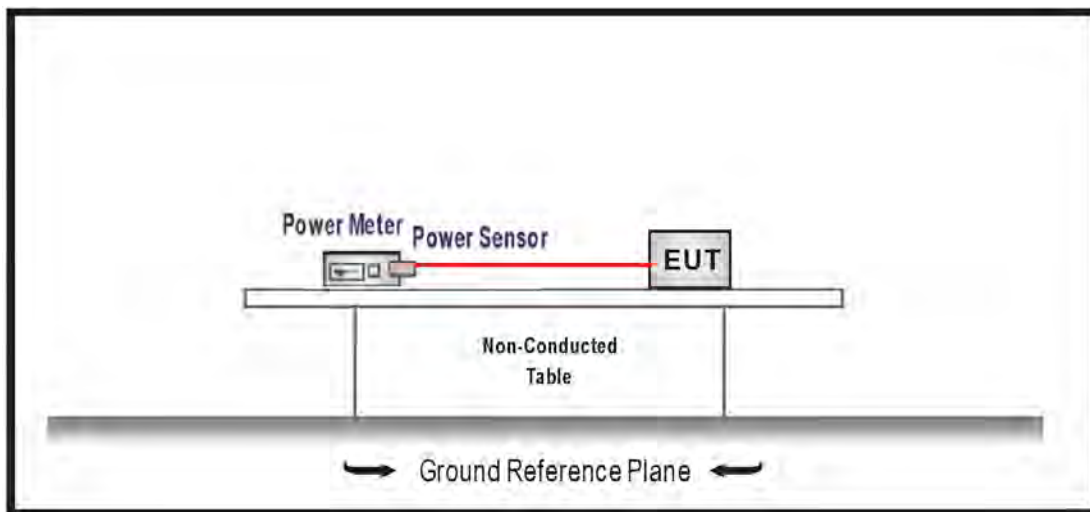
Channel 155 (5775MHz)



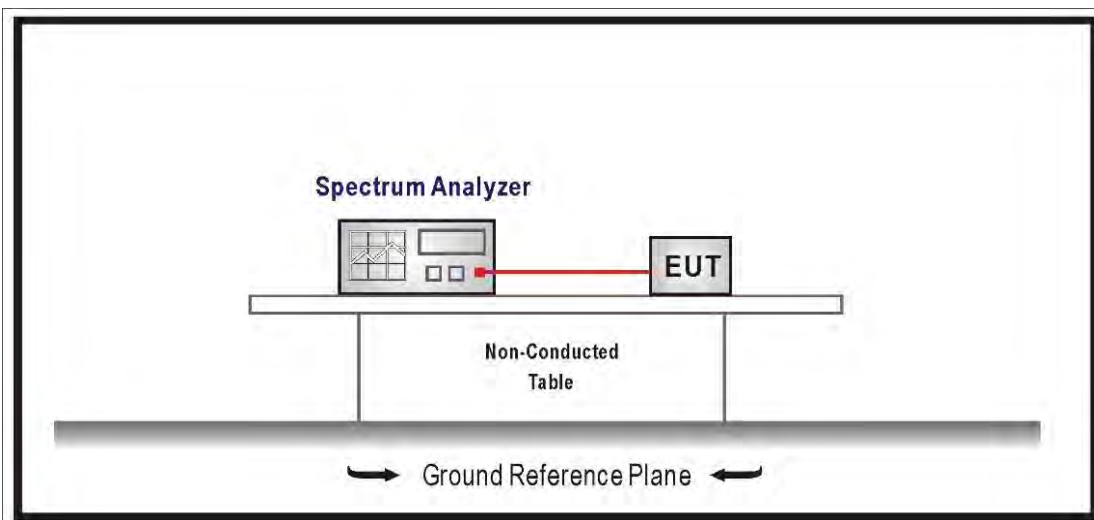
### 3. Maximum conducted output power

#### 3.1. Test Setup

For Bandwidth 20/40/80 MHz:



For Bandwidth 160 MHz:



### 3.2. Limits

1. For the band 5.15-5.25 GHz, the Maximum conducted output power over the frequency band of operation shall not exceed the lesser of 1W. If transmitting antenna of directional gain greater than 6 dBi are used, the Maximum conducted output power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
2. For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. The maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
3. For the band 5.25-5.35 GHz, the Maximum conducted output power over the frequency band of operation shall not exceed the lesser of 250 mW. If transmitting antenna of directional gain greater than 6 dBi are used, the Maximum conducted output power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
4. For the band 5.725-5.850 GHz, the Maximum conducted output power over the frequency band of operation shall not exceed the lesser of 1W. If transmitting antenna of directional gain greater than 6 dBi are used, the Maximum conducted output power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

### 3.3. Test Procedure

The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of KDB 789033 D02 v02r01 for compliance to FCC 47CFR Subpart E requirements. The Method PM-G of the Maximum conducted output power was used.

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

### 3.4. Test Result

Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/15	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	68.0

IEEE 802.11a							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
36	5180	18.210	18.380	18.740	17.790	24.314	≤30.000
44	5220	18.460	18.770	18.970	17.810	24.545	≤30.000
48	5240	18.560	18.840	18.850	17.740	24.541	≤30.000
52	5260	13.320	13.230	13.010	12.180	18.978	≤24.000
60	5300	13.460	13.180	12.720	11.880	18.871	≤24.000
64	5320	13.190	13.140	12.750	11.840	18.783	≤24.000
100	5500	12.580	12.260	12.380	12.240	18.388	≤24.000
116	5580	12.620	12.780	12.560	11.890	18.496	≤24.000
140	5700	12.810	13.060	12.550	11.910	18.624	≤24.000
149	5745	16.280	16.840	16.530	15.610	22.359	≤30.000
157	5785	15.810	16.470	16.060	14.870	21.862	≤30.000
165	5825	16.050	16.520	16.480	15.490	22.175	≤30.000

The worst emission of data rate is 6 Mbps.

Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/15	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	68.0

IEEE 802.11ax (20MHz)							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
36	5180	18.890	19.070	19.230	18.350	24.918	≤30.000
44	5220	18.920	19.030	19.190	18.340	24.902	≤30.000
48	5240	19.240	19.250	19.420	18.400	25.116	≤30.000
52	5260	13.740	13.780	13.500	12.730	19.478	≤24.000
60	5300	13.780	13.610	13.280	12.380	19.316	≤24.000
64	5320	13.720	13.230	13.210	12.220	19.149	≤24.000
100	5500	13.680	13.350	13.320	12.280	19.209	≤24.000
116	5580	13.520	13.330	13.090	12.620	19.173	≤24.000
140	5700	13.340	13.360	12.910	12.390	19.038	≤24.000
149	5745	16.210	16.670	16.200	15.190	22.121	≤30.000
157	5785	16.530	17.220	16.770	15.660	22.602	≤30.000
165	5825	16.860	17.250	17.190	16.220	22.919	≤30.000

The worst emission of data rate is MCS 0

Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/15	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	68.0

IEEE 802.11ax (40MHz)							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
38	5190	18.270	17.920	18.160	17.580	24.011	≤30.000
46	5230	21.630	21.640	21.790	21.040	27.555	≤30.000
54	5270	16.590	16.710	16.450	15.570	22.373	≤24.000
62	5310	16.980	16.880	16.410	15.620	22.525	≤24.000
102	5510	15.950	15.660	15.840	14.680	21.581	≤24.000
110	5550	16.170	16.240	15.980	15.210	21.939	≤24.000
134	5670	16.350	16.450	16.220	15.130	22.089	≤24.000
151	5755	17.530	17.830	17.640	16.580	23.441	≤30.000
159	5795	17.390	17.610	17.630	16.060	23.239	≤30.000

The worst emission of data rate is MCS0

Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/15	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	68.0

IEEE 802.11ax (80MHz)							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
42	5210	17.930	18.040	18.090	17.270	23.865	≤30.000
58	5290	16.830	16.740	16.430	15.340	22.394	≤24.000
106	5530	17.370	17.220	17.450	16.290	23.127	≤24.000
122	5610	18.180	18.050	17.850	16.920	23.798	≤24.000
155	5775	18.870	19.230	19.250	17.810	24.848	≤30.000

The worst emission of data rate is MCS0

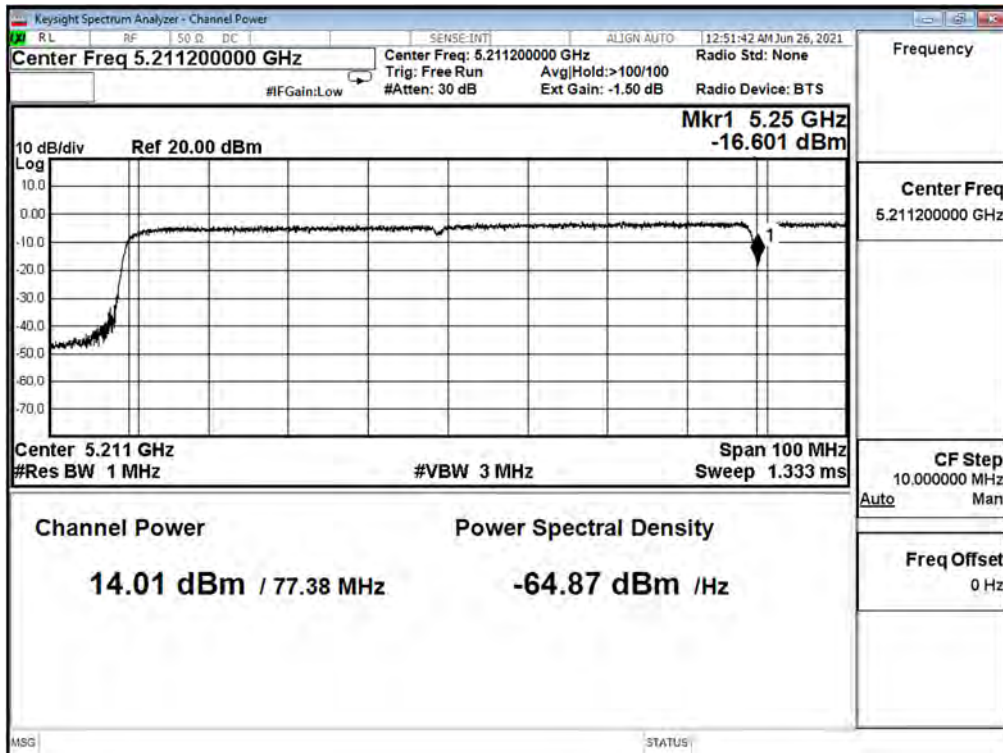
Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/06/26	Test Site	SR12-H
Temperature (°C)	24	Humidity (%RH)	60

IEEE 802.11ax (160MHz)							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
50	5250 (Band 1)	14.010	13.840	13.910	12.630	19.653	≤ 30.000
	5250 (Band 2)	13.460	13.760	13.450	12.840	19.411	≤ 24.000
114	5570	17.700	18.030	17.530	16.410	23.479	≤ 24.000

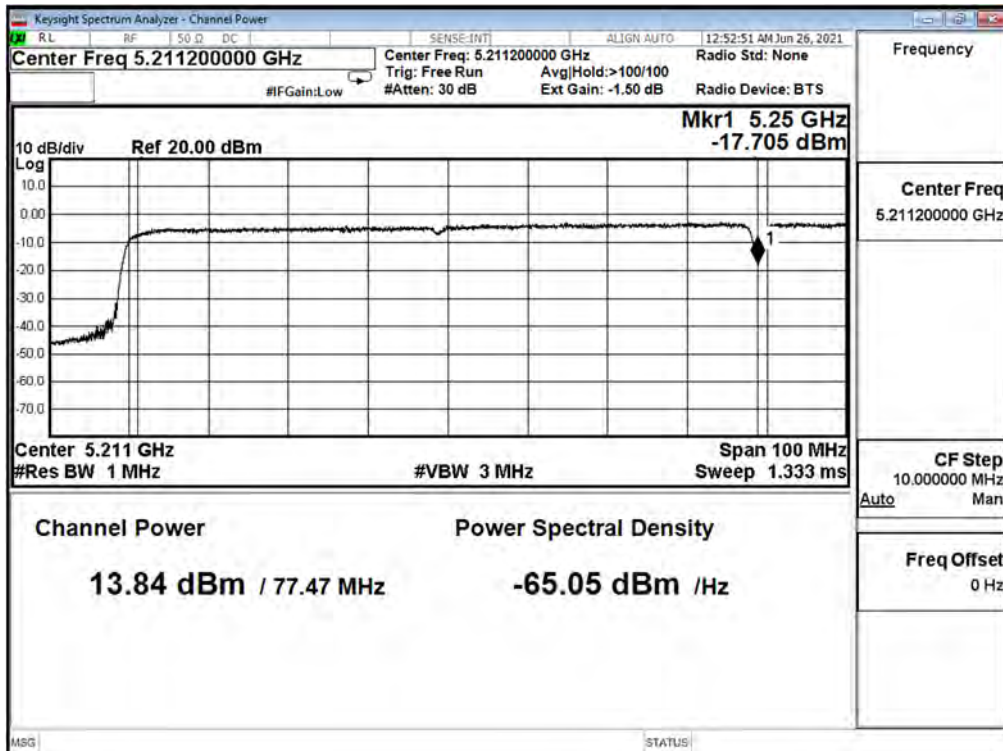
The worst emission of data rate is MCS0



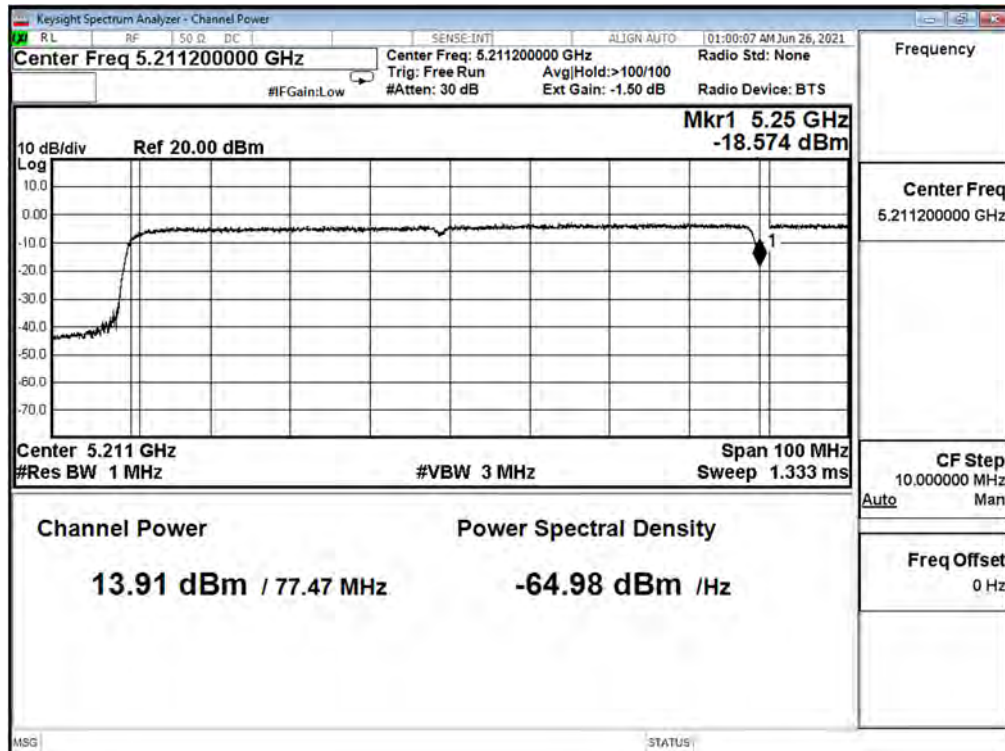
Channel 50 (5250MHz) Band 1\_Ant. 0



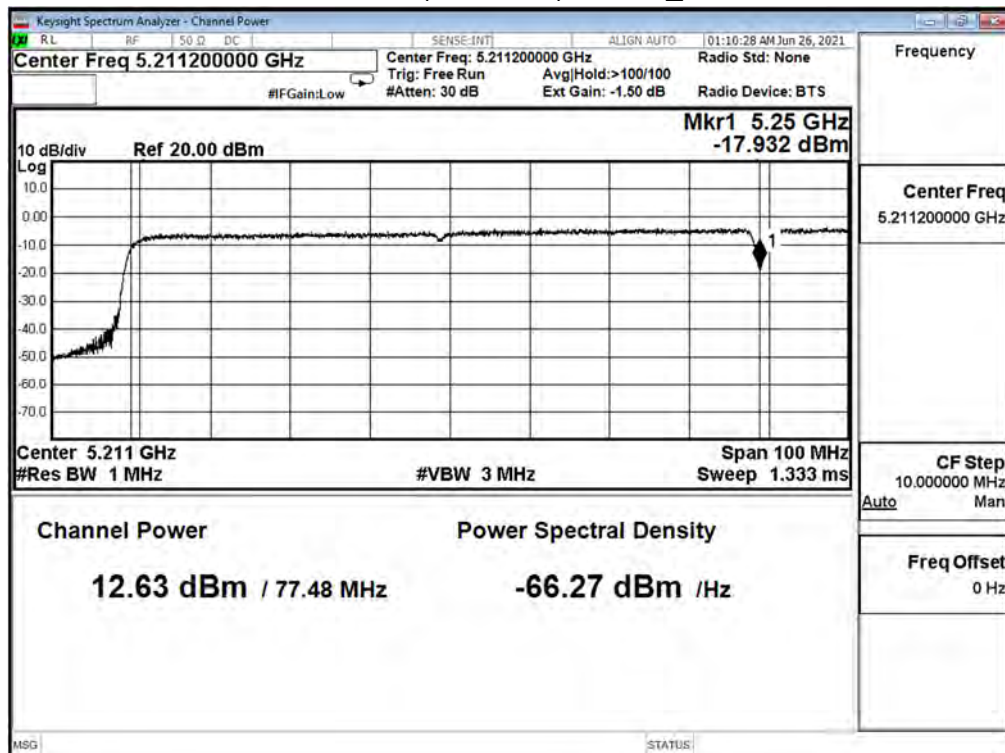
Channel 50 (5250MHz) Band 1\_Ant. 1



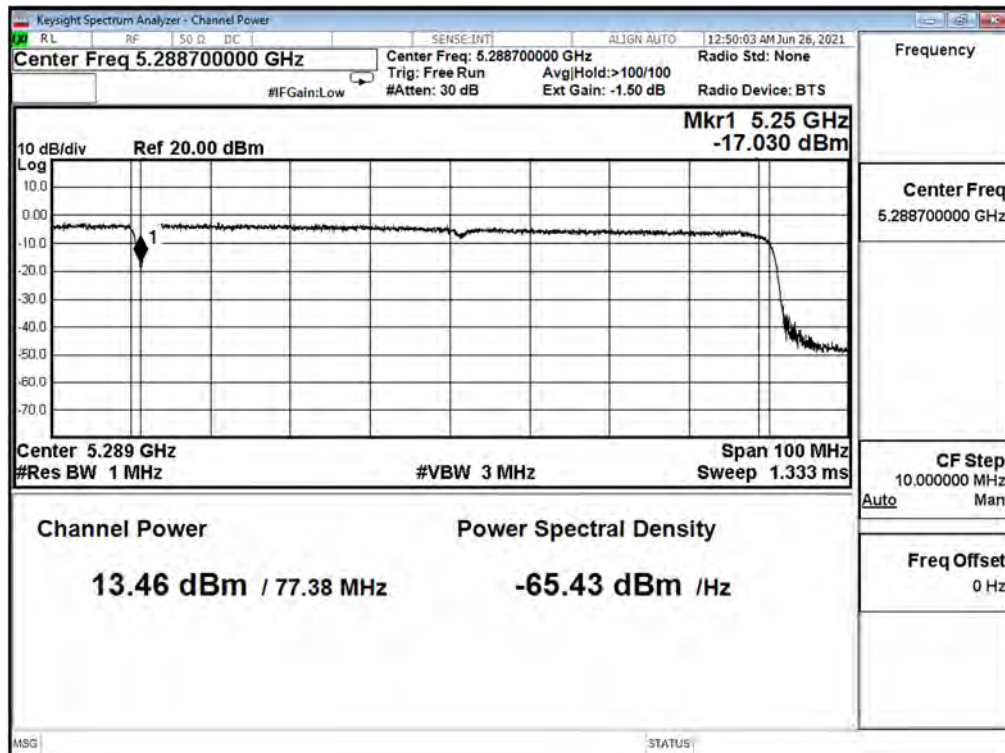
Channel 50 (5250MHz) Band 1\_Ant. 2



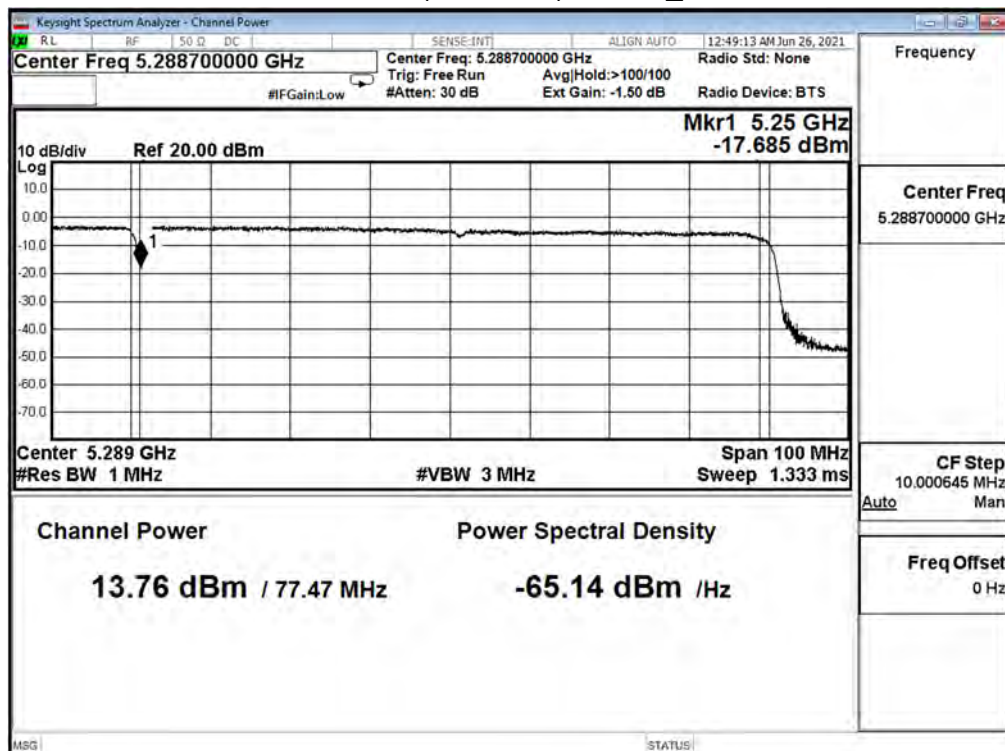
Channel 50 (5250MHz) Band 1\_Ant. 3



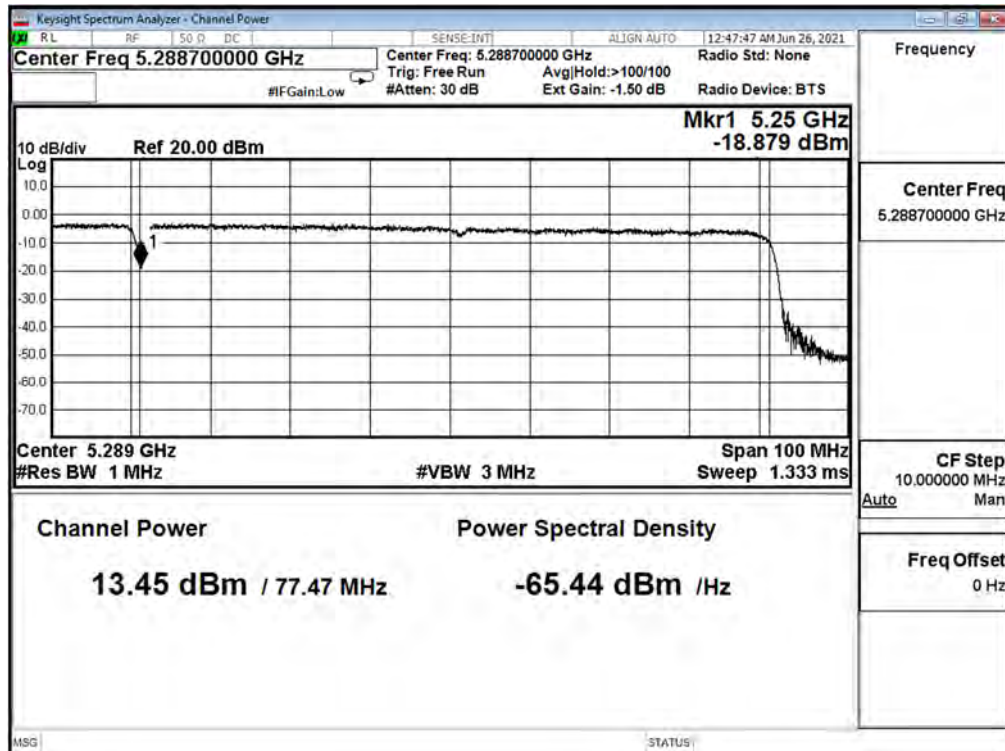
Channel 50 (5250MHz) Band 2\_Ant. 0



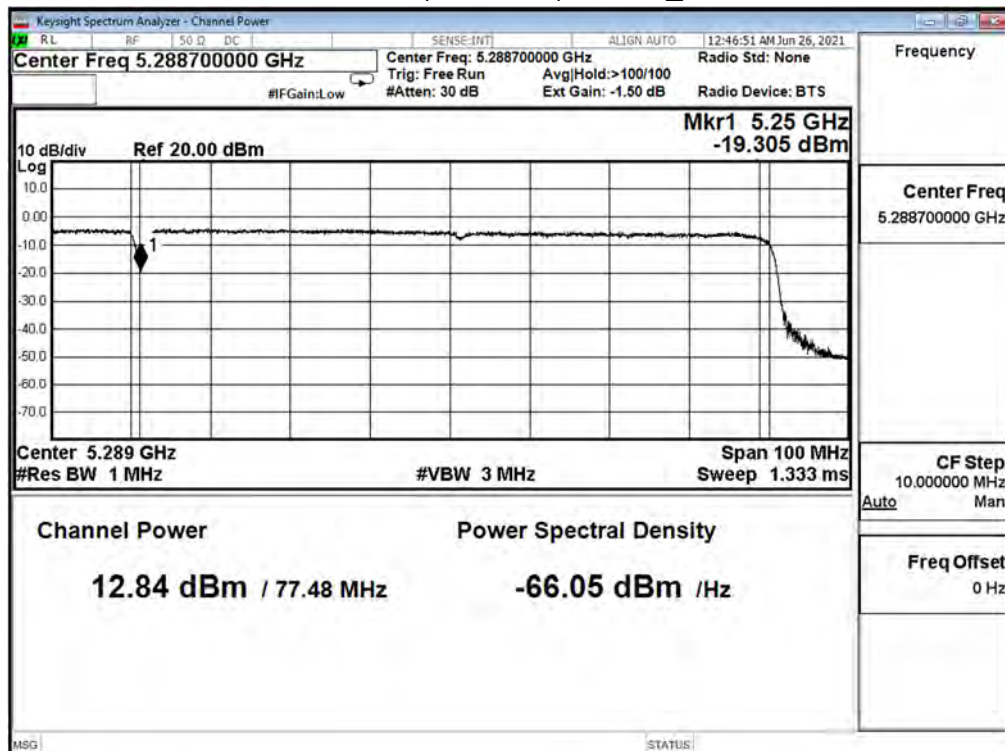
Channel 50 (5250MHz) Band 2\_Ant. 1



Channel 50 (5250MHz) Band 2\_Ant. 2



Channel 50 (5250MHz) Band 2\_Ant. 3



Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 3: Transmit_BF		
Date of Test	2021/05/22	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	70.0

IEEE 802.11ax (20MHz)							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
36	5180	18.890	19.070	19.230	18.350	24.918	≤26.422
44	5220	18.920	19.030	19.190	18.340	24.902	≤26.422
48	5240	19.240	19.250	19.420	18.400	25.116	≤26.422
52	5260	13.740	13.780	13.500	12.730	19.478	≤20.422
60	5300	13.780	13.610	13.280	12.380	19.316	≤20.422
64	5320	13.720	13.230	13.210	12.220	19.149	≤20.422
100	5500	13.680	13.350	13.320	12.280	19.209	≤20.422
116	5580	13.520	13.330	13.090	12.620	19.173	≤20.422
140	5700	13.340	13.360	12.910	12.390	19.038	≤20.422
149	5745	16.210	16.670	16.200	15.190	22.121	≤26.422
157	5785	16.530	17.220	16.770	15.660	22.602	≤26.422
165	5825	16.860	17.250	17.190	16.220	22.919	≤26.422

The worst emission of data rate is MCS 0

Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 3: Transmit_BF		
Date of Test	2021/05/22	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	70.0

IEEE 802.11ax (40MHz)							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
38	5190	18.030	17.850	18.120	17.560	23.916	≤26.422
46	5230	20.280	20.660	20.540	19.850	26.364	≤26.422
54	5270	14.740	14.790	14.050	13.450	20.312	≤20.422
62	5310	14.360	14.940	14.130	13.210	20.224	≤20.422
102	5510	13.720	14.550	14.760	13.680	20.225	≤20.422
110	5550	13.860	14.680	14.570	13.520	20.205	≤20.422
134	5670	14.270	14.690	14.290	13.480	20.225	≤20.422
151	5755	17.530	17.830	17.640	16.580	23.441	≤26.422
159	5795	17.390	17.610	17.630	16.060	23.239	≤26.422

The worst emission of data rate is MCS0

Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 3: Transmit_BF		
Date of Test	2021/05/22	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	70.0

IEEE 802.11ax (80MHz)							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
42	5210	17.930	18.040	18.090	17.270	23.865	≤26.422
58	5290	14.630	15.060	14.080	13.090	20.296	≤20.422
106	5530	14.560	14.610	14.710	13.440	20.380	≤20.422
122	5610	14.580	14.620	14.460	13.820	20.402	≤20.422
155	5775	18.520	19.130	19.210	17.760	24.713	≤26.422

The worst emission of data rate is MCS0

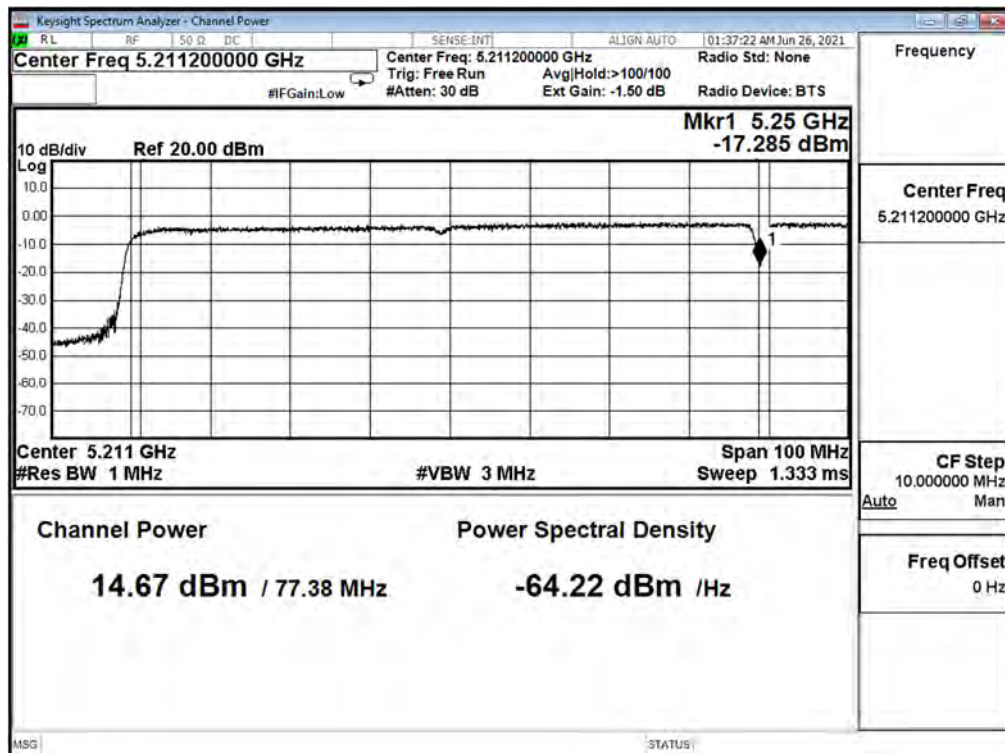
Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 3: Transmit_BF		
Date of Test	2021/06/26	Test Site	SR12-H
Temperature (°C)	24	Humidity (%RH)	66

IEEE 802.11ax (160MHz)							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
50	5250 (Band 1)	14.670	14.470	14.620	13.200	20.301	≤ 26.422
	5250 (Band 2)	14.200	14.440	14.280	13.720	20.189	≤ 20.422
114	5570	14.510	14.410	14.460	13.620	20.285	≤ 20.422

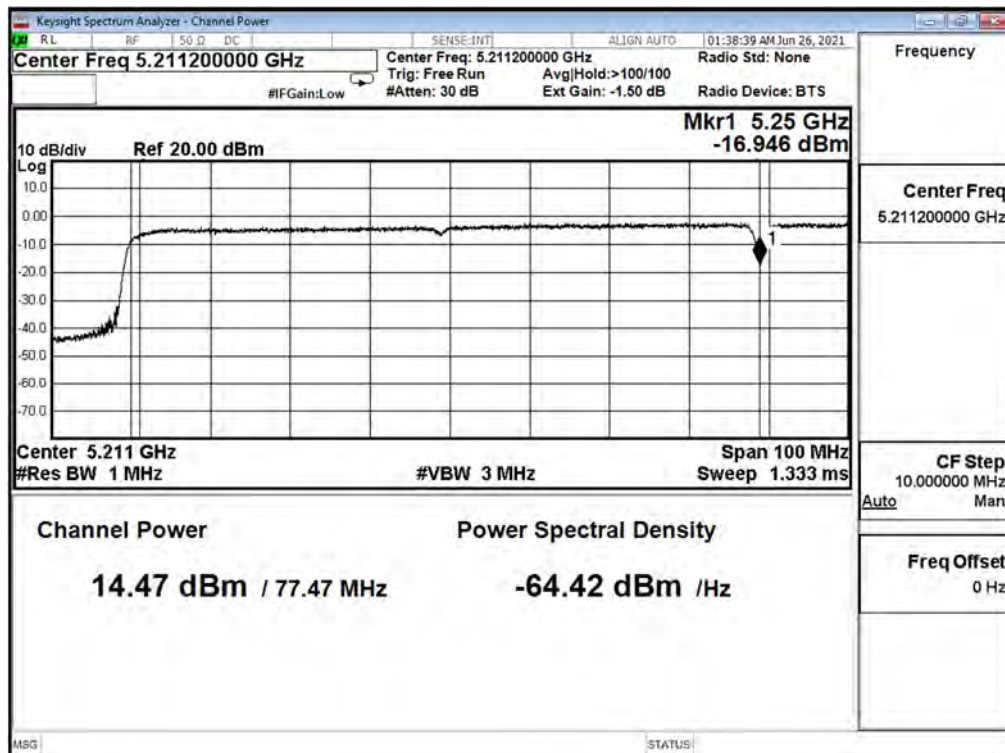
The worst emission of data rate is MCS0



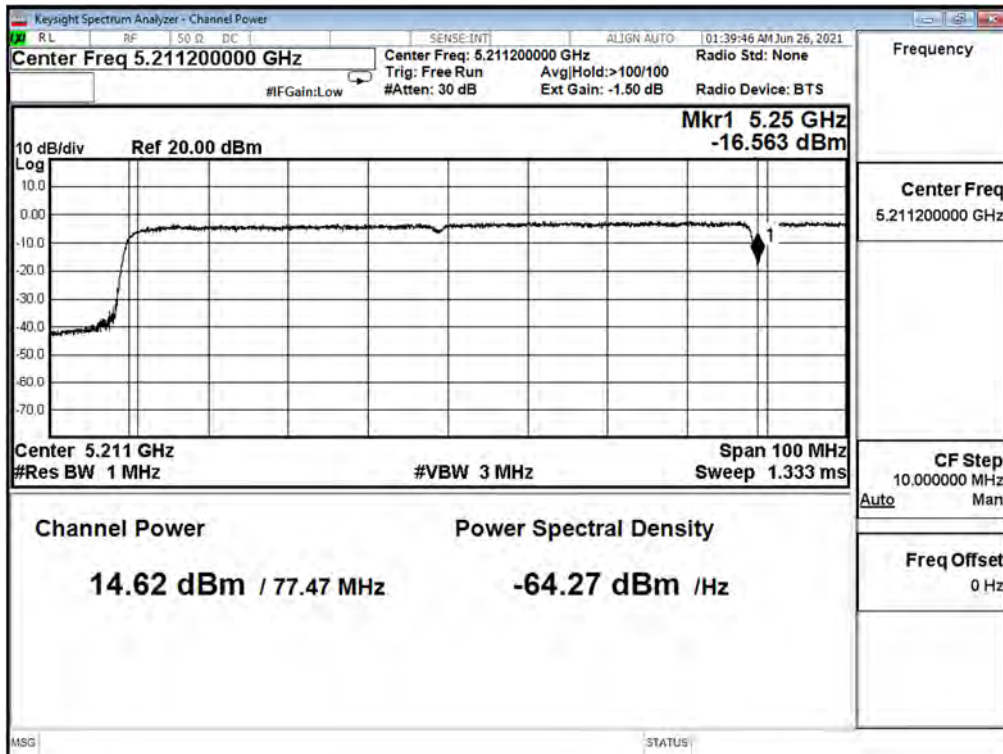
Channel 50 (5250MHz) Band 1\_Ant. 0



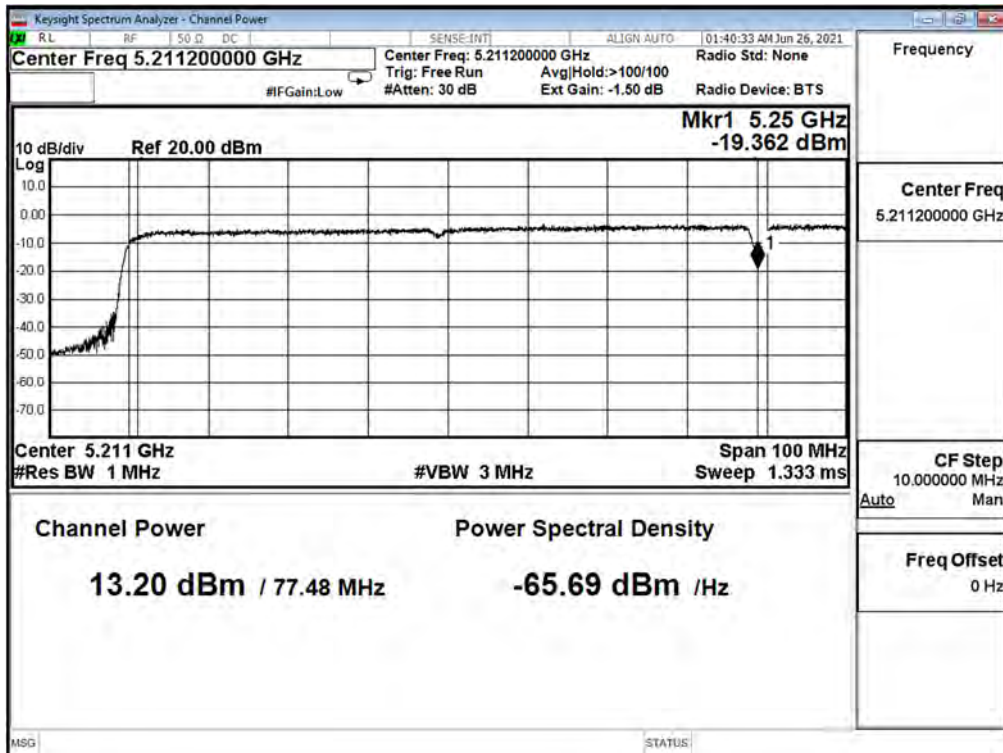
Channel 50 (5250MHz) Band 1\_Ant. 1



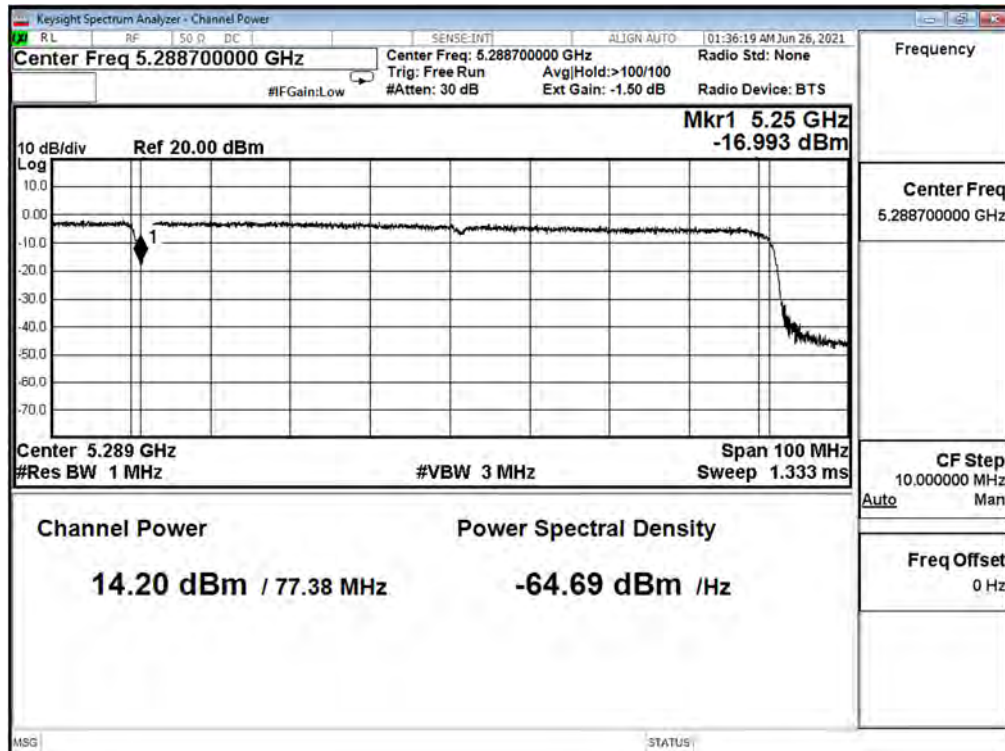
Channel 50 (5250MHz) Band 1\_Ant. 2



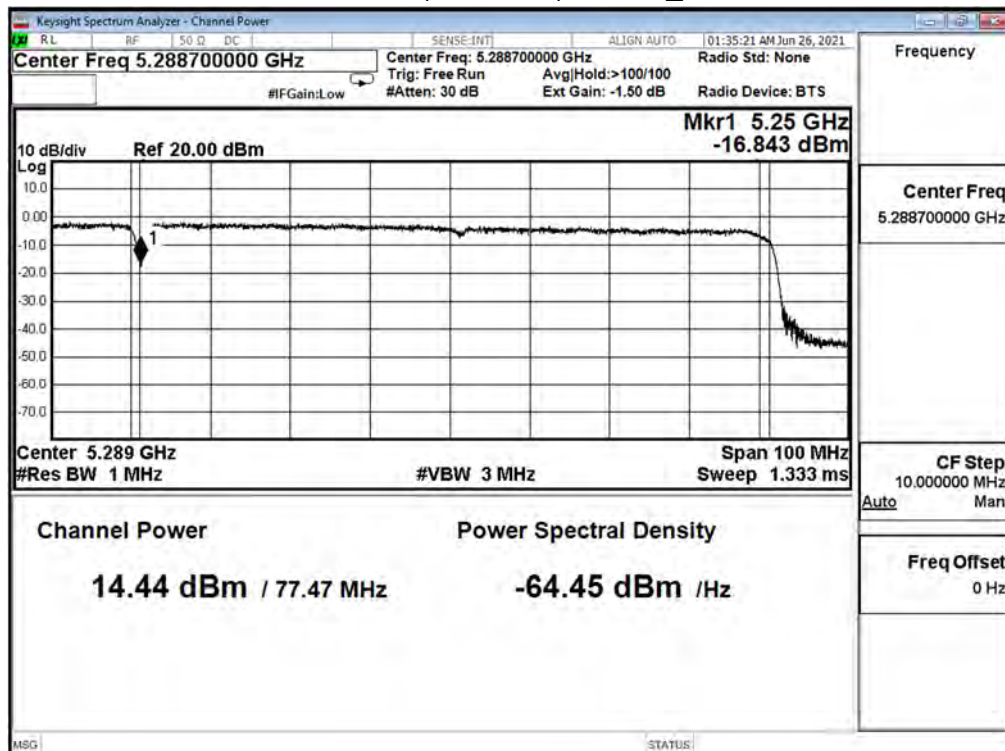
Channel 50 (5250MHz) Band 1\_Ant. 3



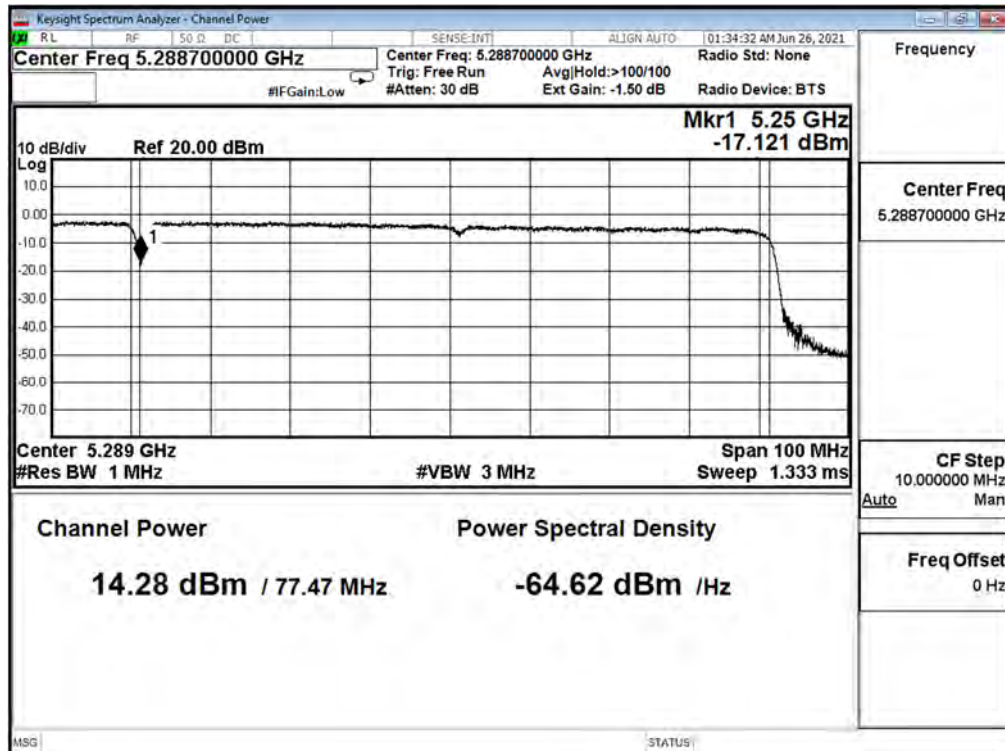
Channel 50 (5250MHz) Band 2\_Ant. 0



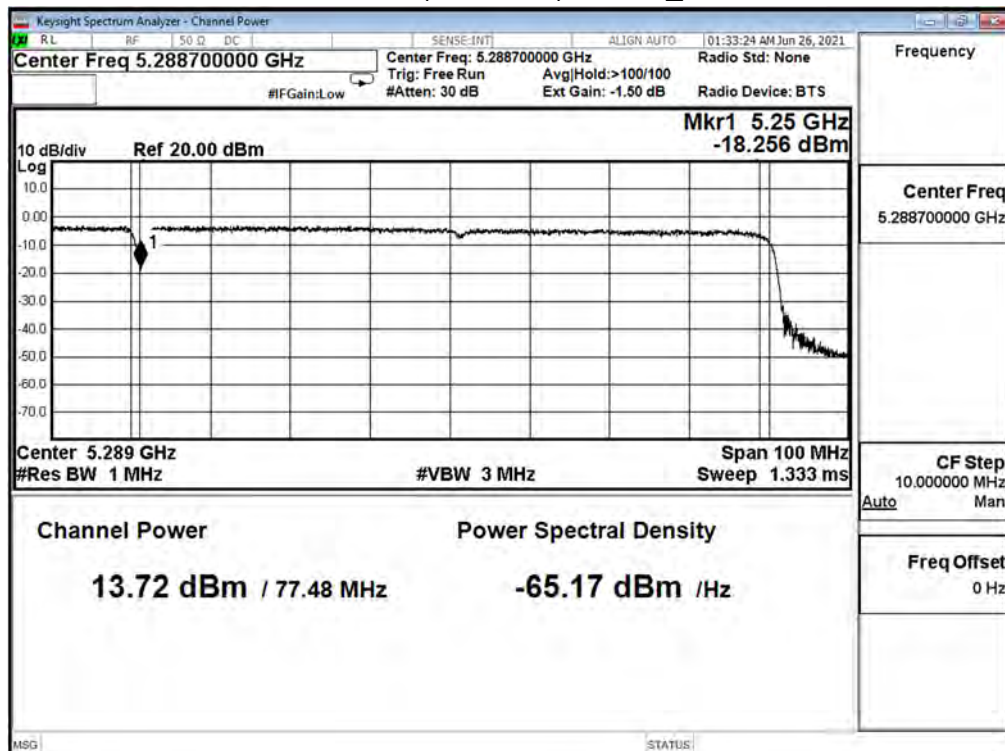
Channel 50 (5250MHz) Band 2\_Ant. 1



Channel 50 (5250MHz) Band 2\_Ant. 2



Channel 50 (5250MHz) Band 2\_Ant. 3



Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power (TPC)		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/15	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	68.0

IEEE 802.11a							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
52	5260MHz	7.320	7.230	7.010	6.180	12.978	≤ 18.000
60	5300MHz	7.460	7.180	6.720	5.880	12.871	≤ 18.000
64	5320MHz	7.190	7.140	6.750	5.840	12.783	≤ 18.000
100	5500MHz	6.580	6.260	6.380	6.240	12.388	≤ 18.000
116	5580MHz	6.620	6.780	6.560	5.890	12.496	≤ 18.000
140	5700MHz	6.810	7.060	6.550	5.910	12.624	≤ 18.000

The worst emission of data rate is 6 Mbps.

Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power (TPC)		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/15	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	68.0

IEEE 802.11ax (20MHz)							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
52	5260	7.740	7.780	7.500	6.730	13.478	$\leq 18.000$
60	5300	7.780	7.610	7.280	6.380	13.316	$\leq 18.000$
64	5320	7.720	7.230	7.210	6.220	13.149	$\leq 18.000$
100	5500	7.680	7.350	7.320	6.280	13.209	$\leq 18.000$
116	5580	7.520	7.330	7.090	6.620	13.173	$\leq 18.000$
140	5700	7.340	7.360	6.910	6.390	13.038	$\leq 18.000$

The worst emission of data rate is MCS 0

Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power (TPC)		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/15	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	68.0

IEEE 802.11ax (40MHz)							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
54	5270	10.590	10.710	10.450	9.570	16.373	≤ 18.000
62	5310	10.980	10.880	10.410	9.620	16.525	≤ 18.000
102	5510	9.950	9.660	9.840	8.680	15.581	≤ 18.000
110	5550	10.170	10.240	9.980	9.210	15.939	≤ 18.000
134	5670	10.350	10.450	10.220	9.130	16.089	≤ 18.000

The worst emission of data rate is MCS0

Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power (TPC)		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/15	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	68.0

IEEE 802.11ax (80MHz)							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
58	5290	10.830	10.740	10.430	9.340	16.394	≤ 18.000
106	5530	11.370	11.220	11.450	10.290	17.127	≤ 18.000
122	5610	12.180	12.050	11.850	10.920	17.798	≤ 18.000

The worst emission of data rate is MCS0

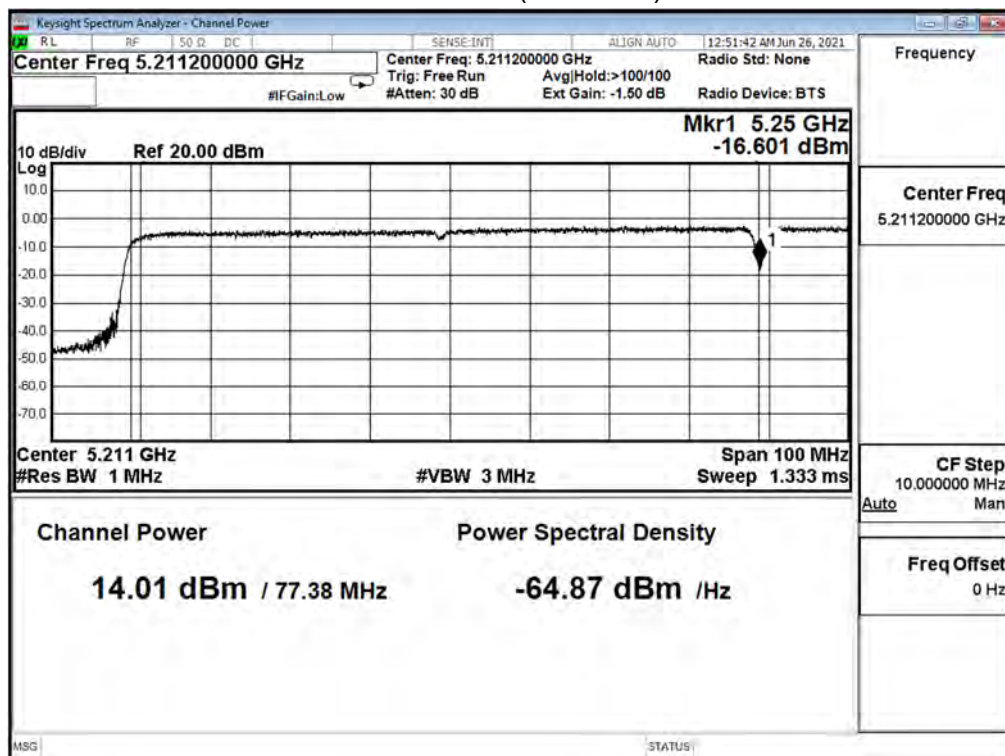


Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power (TPC)		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/06/26	Test Site	SR12-H
Temperature (°C)	24	Humidity (%RH)	66

IEEE 802.11ax (160MHz)							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
50	5250 (Band 1)	8.010	7.840	7.910	6.630	13.653	≤ 24.000
	5250 (Band 2)	7.460	7.760	7.450	6.840	13.411	≤ 18.000
114	5570	11.700	12.030	11.530	10.410	17.479	≤ 18.000

The worst emission of data rate is MCS0

Channel 50 (5250MHz)



Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power (TPC)		
Test Mode	Mode 3: Transmit_BF		
Date of Test	2021/05/22	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	70.0

IEEE 802.11ax (20MHz)							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
52	5260	7.740	7.780	7.500	6.730	13.478	$\leq 14.422$
60	5300	7.780	7.610	7.280	6.380	13.316	$\leq 14.422$
64	5320	7.720	7.230	7.210	6.220	13.149	$\leq 14.422$
100	5500	7.680	7.350	7.320	6.280	13.209	$\leq 14.422$
116	5580	7.520	7.330	7.090	6.620	13.173	$\leq 14.422$
140	5700	7.340	7.360	6.910	6.390	13.038	$\leq 14.422$

The worst emission of data rate is MCS 0

Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power (TPC)		
Test Mode	Mode 3: Transmit_BF		
Date of Test	2021/05/22	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	70.0

IEEE 802.11ax (40MHz)							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
54	5270	8.740	8.790	8.050	7.450	14.312	$\leq 14.422$
62	5310	8.360	8.940	8.130	7.210	14.224	$\leq 14.422$
102	5510	7.720	8.550	8.760	7.680	14.225	$\leq 14.422$
110	5550	7.860	8.680	8.570	7.520	14.205	$\leq 14.422$
134	5670	8.270	8.690	8.290	7.480	14.225	$\leq 14.422$

The worst emission of data rate is MCS0

Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power (TPC)		
Test Mode	Mode 3: Transmit_BF		
Date of Test	2021/05/22	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	70.0

IEEE 802.11ax (80MHz)							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
58	5290	8.630	9.060	8.080	7.090	14.296	≤ 14.422
106	5530	8.560	8.610	8.710	7.440	14.380	≤ 14.422
122	5610	8.580	8.620	8.460	7.820	14.402	≤ 14.422

The worst emission of data rate is MCS0

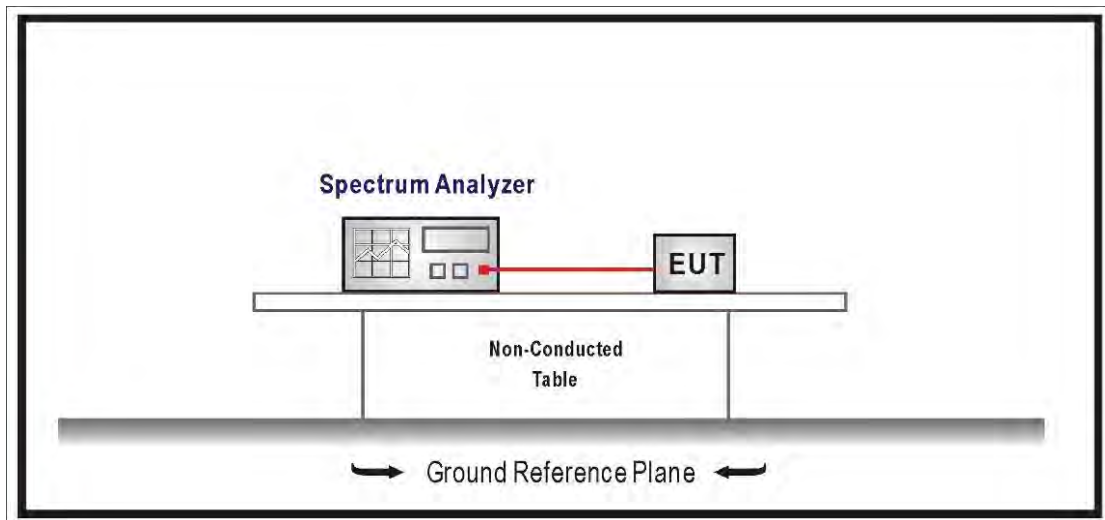
Product	Mesh Wi-Fi Router		
Test Item	Maximum conducted output power (TPC)		
Test Mode	Mode 3: Transmit_BF		
Date of Test	2021/06/26	Test Site	SR12-H
Temperature (°C)	24	Humidity (%RH)	66

IEEE 802.11ax (160MHz)							
Channel No.	Frequency (MHz)	Max. Conducted Output Power (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
50	5250 (Band 1)	8.670	8.470	8.620	7.200	14.301	$\leq 20.422$
	5250 (Band 2)	8.200	8.440	8.280	7.720	14.189	$\leq 14.422$
114	5570	8.510	8.410	8.460	7.620	14.285	$\leq 14.422$

The worst emission of data rate is MCS0

## 4. Maximum power spectral density

### 4.1. Test Setup



### 4.2. Limits

1. For the band 5.15-5.25 GHz, the Maximum power spectral density shall not exceed 17 dBm in any 1MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the Maximum power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
2. For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi
3. For the band 5.25-5.35 GHz, the Maximum power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the Maximum power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
4. For the band 5.725-5.850 GHz, the Maximum power spectral density shall not exceed 30 dBm in any 500KHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the Maximum power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi..

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### 4.3. Test Procedure

The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of KDB 789033 D02 v02r01 for compliance to FCC 47CFR Subpart E requirements.

For Band1 : Set RBW=1MHz, VBW=3MHz with RMS detector. The PPSD is the highest level found across the emission in any 1-MHz band after 100 sweeps of averaging.

For Band4 : Set RBW=500KHz, VBW=1.5MHz with RMS detector. The PPSD is the highest level found across the emission in any 500KHz band after 100 sweeps of averaging.

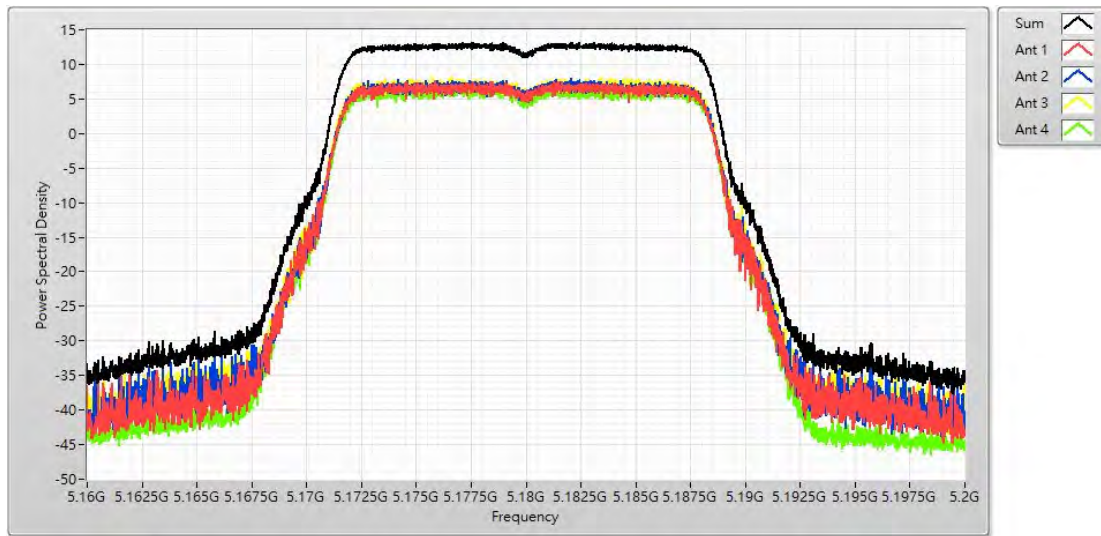
#### 4.4. Test Result

Product	Mesh Wi-Fi Router		
Test Item	Maximum power spectral density		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/15	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	68.0

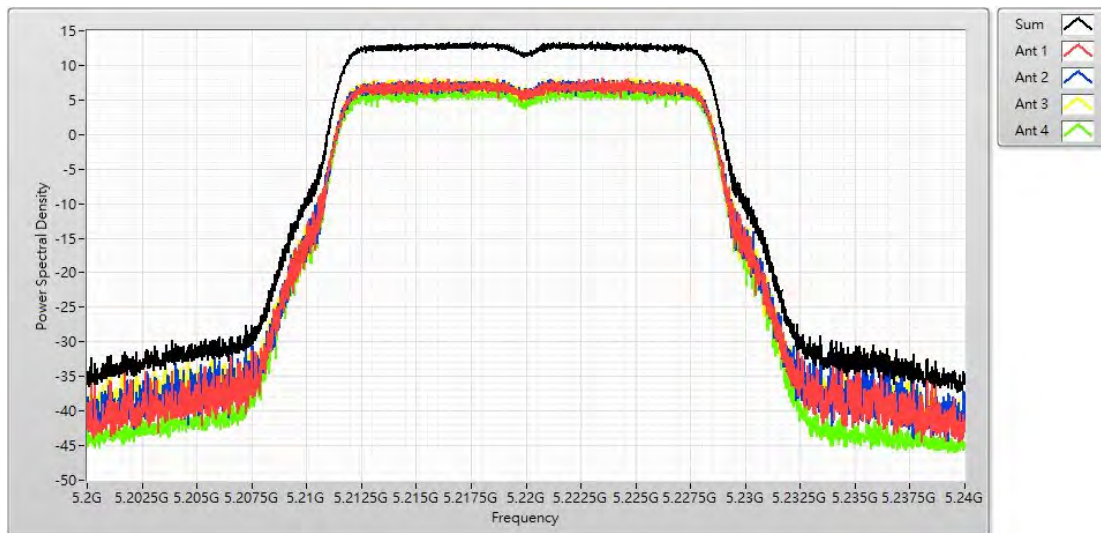
IEEE 802.11a							
Channel No.	Frequency (MHz)	Measure Level (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
36	5180	7.630	7.960	8.400	6.950	13.250	≤ 13.422
44	5220	8.120	8.040	8.220	7.490	13.400	≤ 13.422
48	5240	7.850	8.130	8.200	6.960	13.270	≤ 13.422
52	5260	2.390	2.130	2.200	1.410	7.420	≤ 7.422
60	5300	2.630	2.100	1.900	0.980	7.260	≤ 7.422
64	5320	2.120	2.060	1.870	1.020	7.210	≤ 7.422
100	5500	2.160	2.220	1.650	0.800	7.210	≤ 7.422
116	5580	2.030	2.460	1.940	1.010	7.330	≤ 7.422
140	5700	2.140	2.290	2.080	1.060	7.300	≤ 7.422
149	5745	2.960	2.760	3.140	2.010	8.160	≤ 26.422
157	5785	2.170	2.620	2.510	1.610	7.610	≤ 26.422
165	5825	2.430	2.960	2.940	2.210	8.160	≤ 26.422



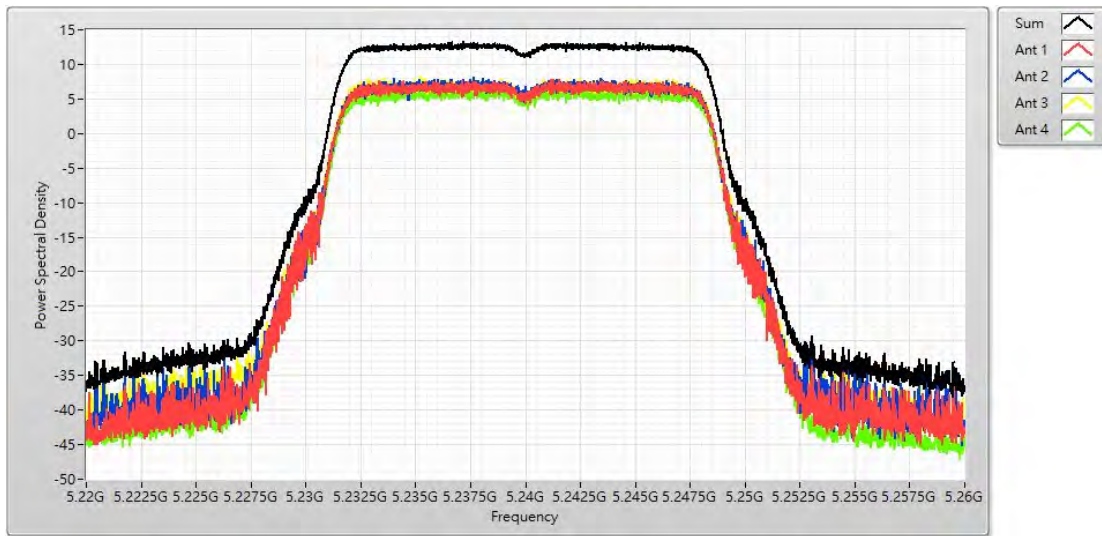
Channel 36 (5180MHz)



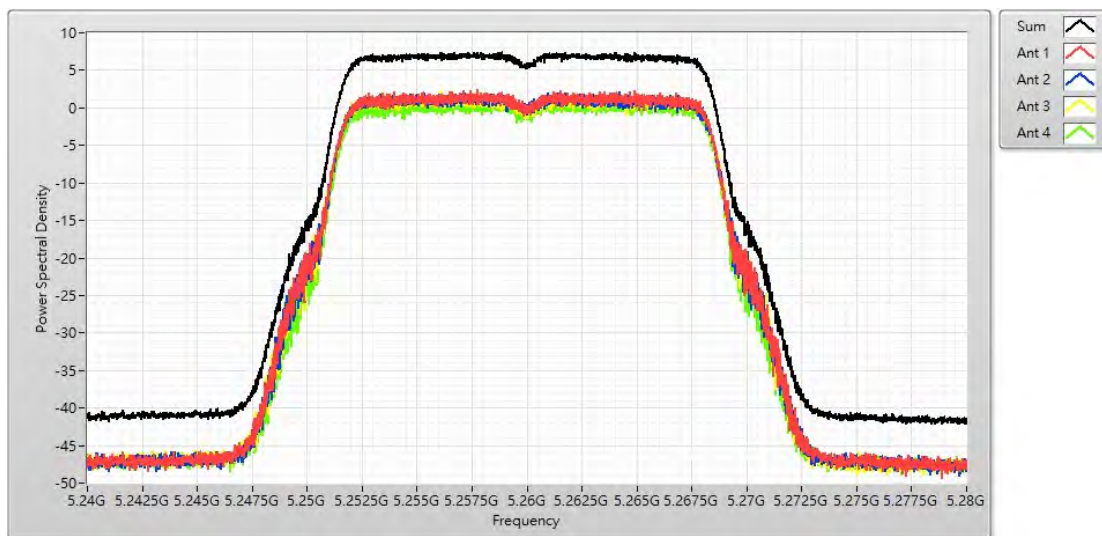
Channel 44 (5220MHz)



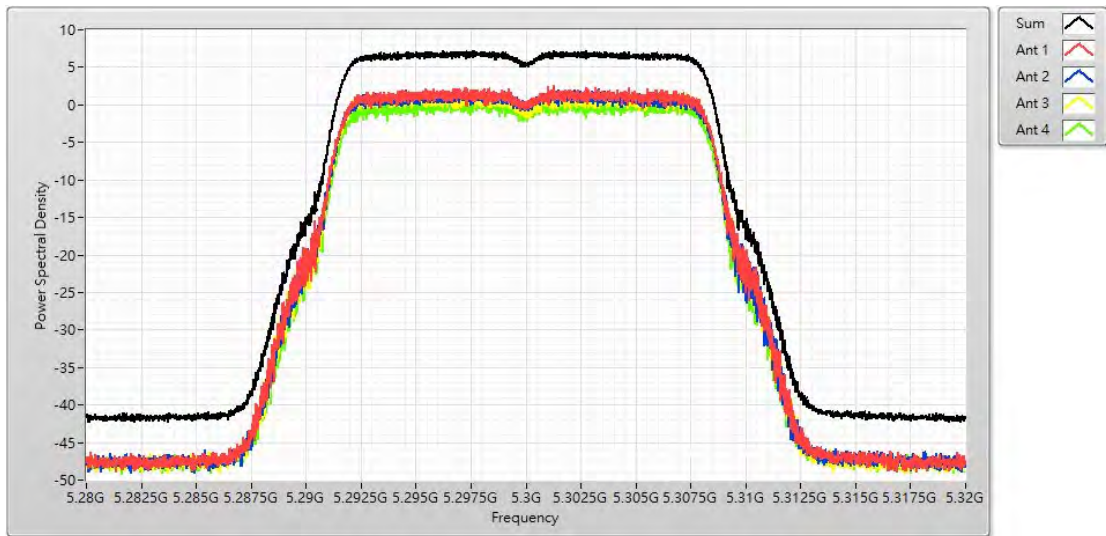
Channel 48 (5240MHz)



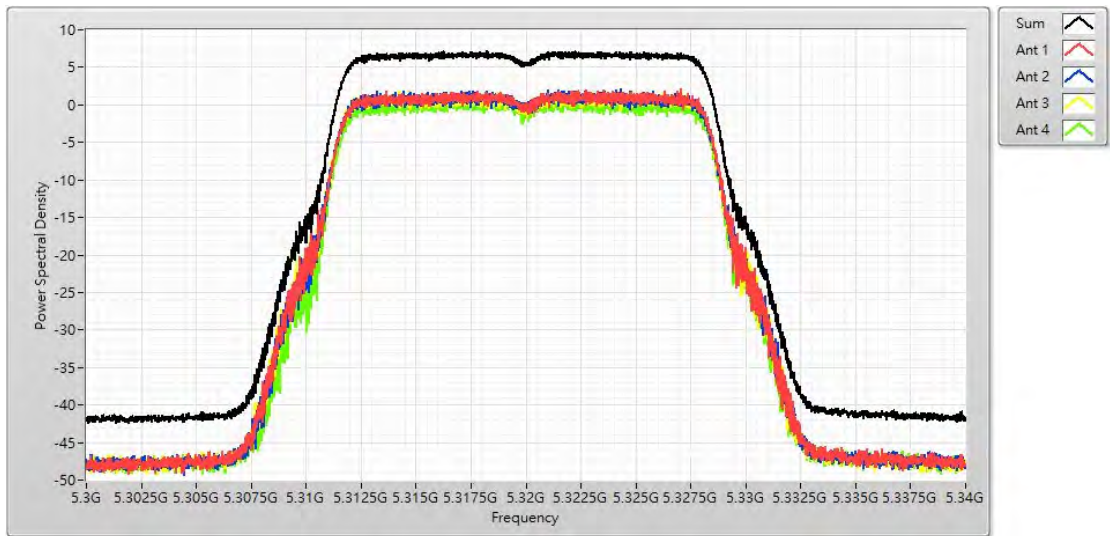
Channel 52 (5260MHz)



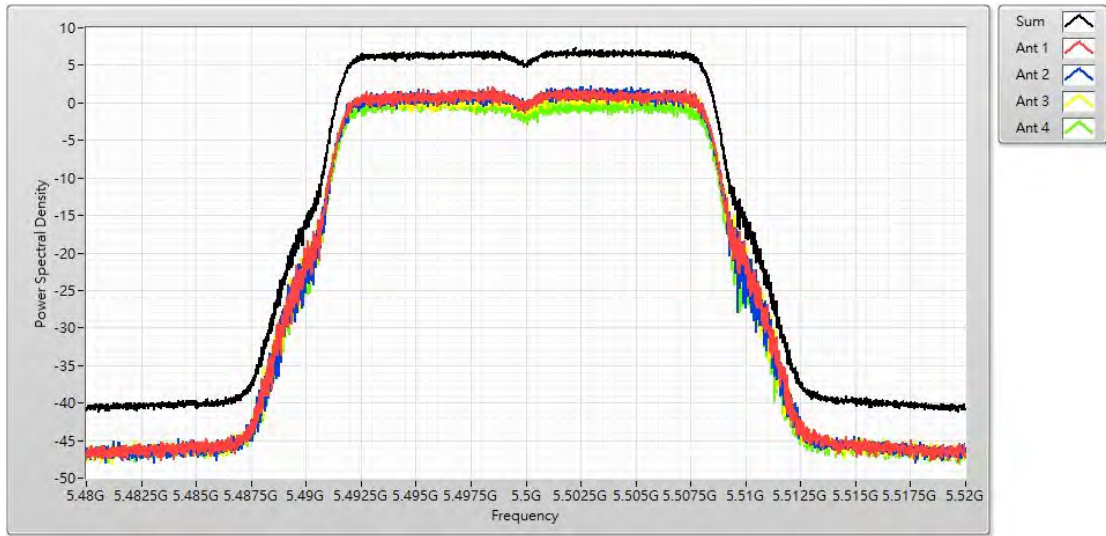
### Channel 60 (5300MHz)



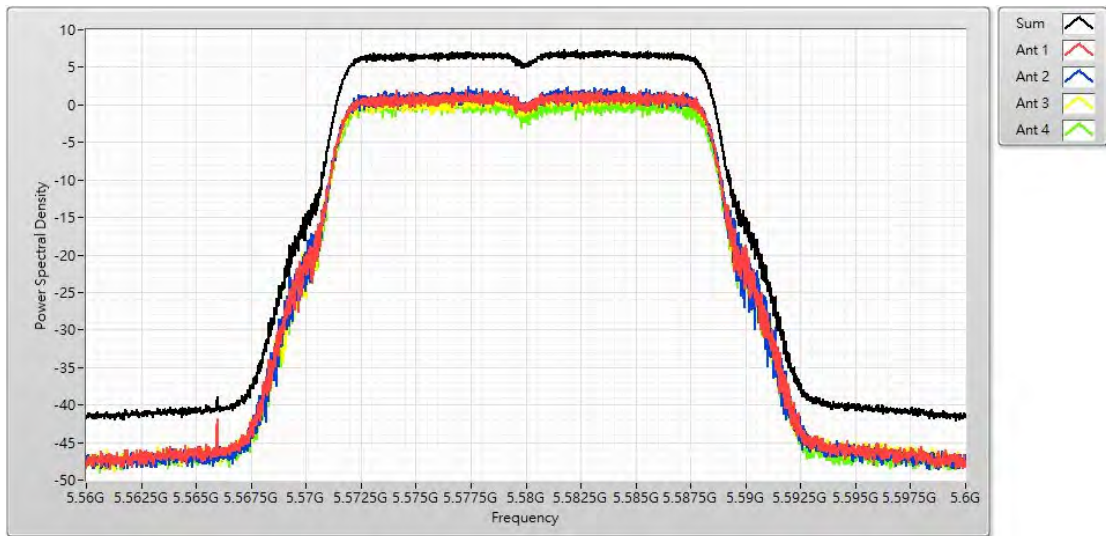
### Channel 64 (5320MHz)



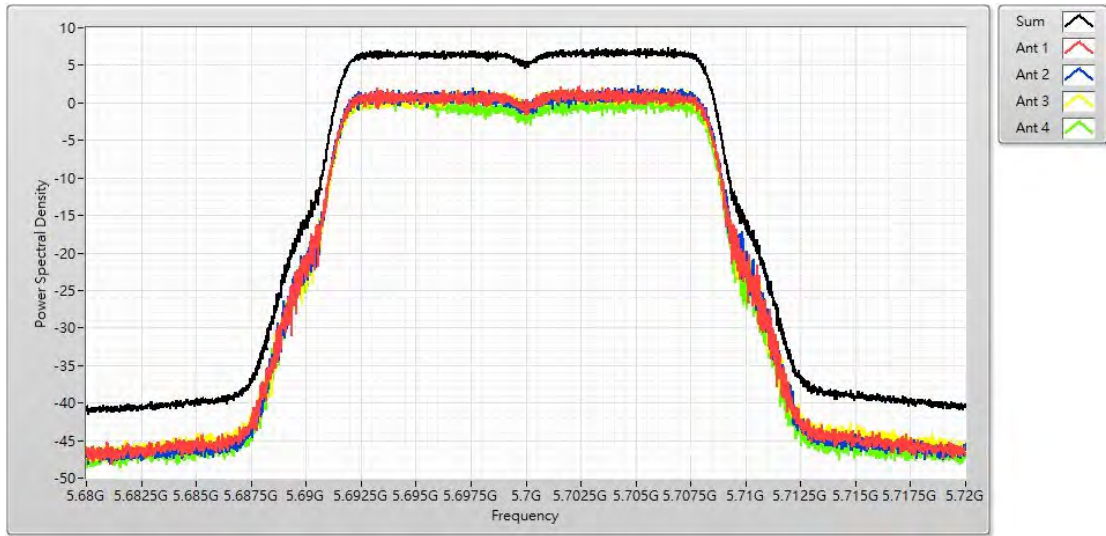
### Channel 100 (5500MHz)



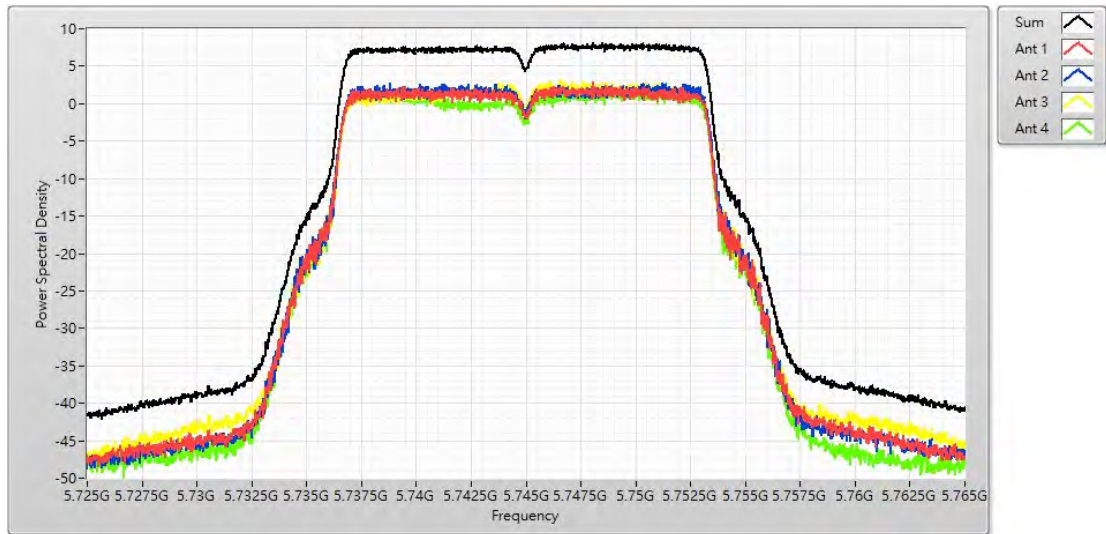
### Channel 116 (5580MHz)



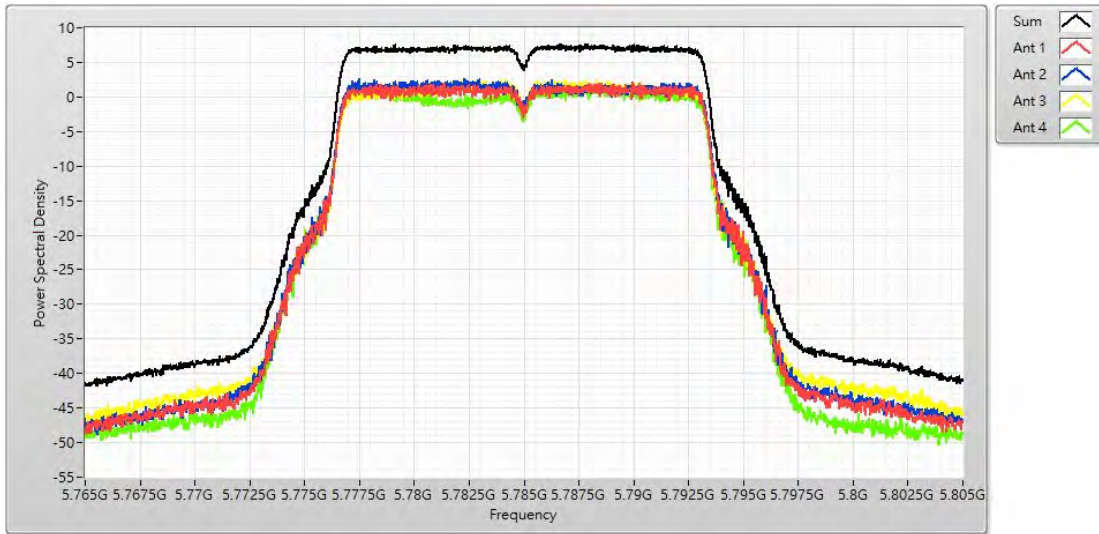
### Channel 140 (5700MHz)



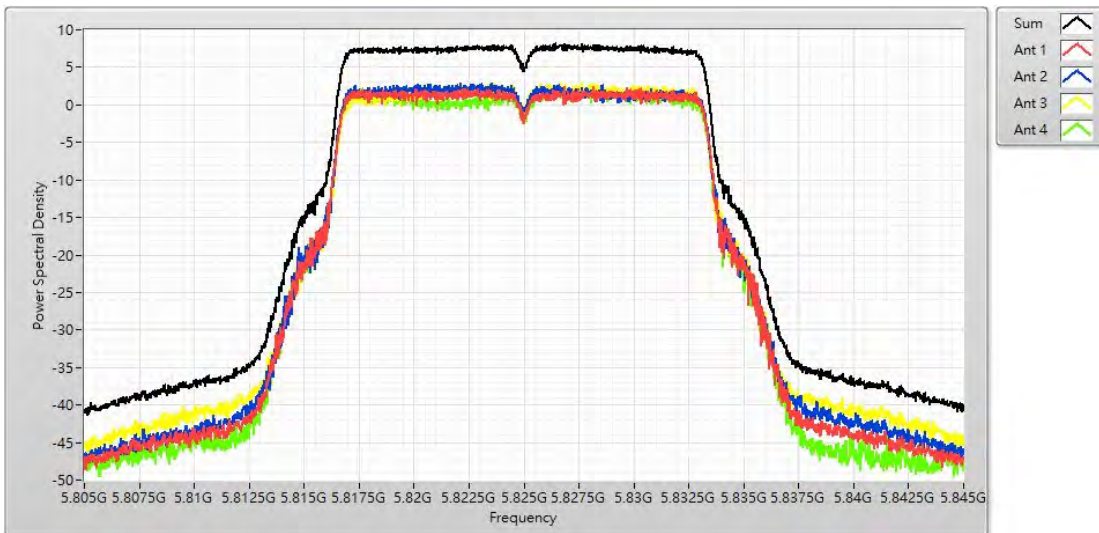
### Channel 149 (5745MHz)



Channel 157 (5785MHz)



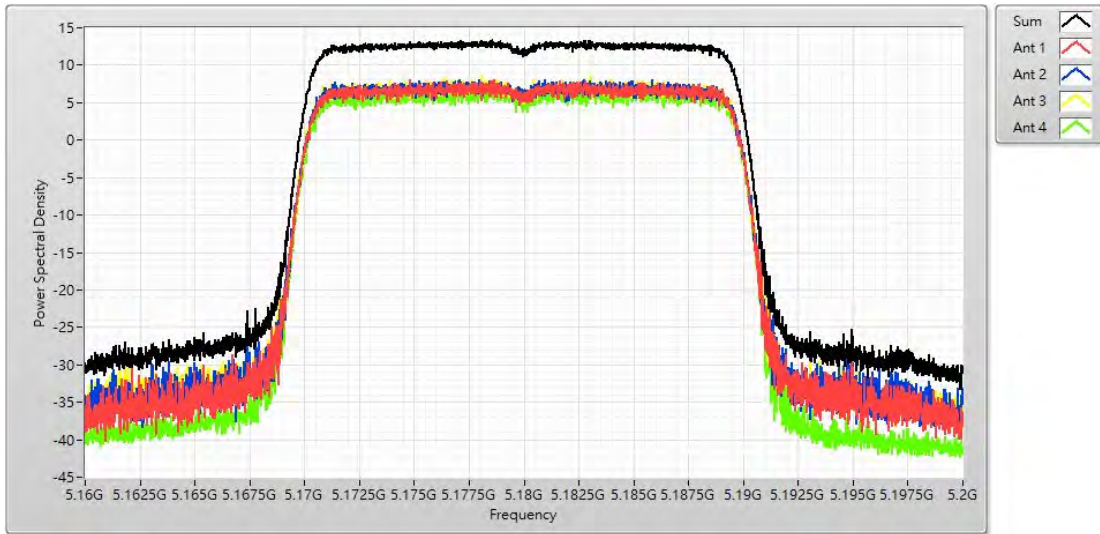
Channel 165 (5825MHz)



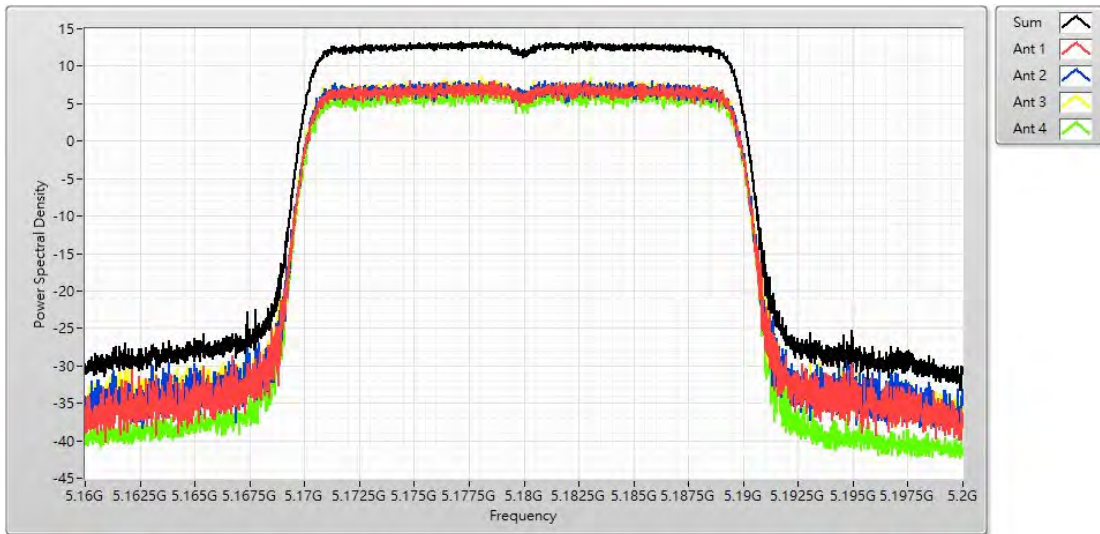
Product	Mesh Wi-Fi Router		
Test Item	Maximum power spectral density		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/15~2021/06/02	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	68.0

IEEE 802.11ax (20MHz)							
Channel No.	Frequency (MHz)	Measure Level (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
36	5180	8.100	8.040	8.630	7.130	13.370	≤ 13.422
44	5220	8.280	7.940	8.410	7.260	13.240	≤ 13.422
48	5240	7.810	8.170	8.190	7.190	13.230	≤ 13.422
52	5260	2.350	2.260	2.190	1.380	7.300	≤ 7.422
60	5300	2.060	2.290	2.200	1.200	7.330	≤ 7.422
64	5320	2.630	2.380	2.350	1.460	7.350	≤ 7.422
100	5500	2.510	2.460	2.150	1.090	7.390	≤ 7.422
116	5580	2.290	2.230	2.060	1.040	7.290	≤ 7.422
140	5700	2.260	2.670	2.010	1.630	7.410	≤ 7.422
149	5745	1.98	2.400	2.140	1.480	7.170	≤ 26.422
157	5785	2.48	2.790	2.830	2.540	8.040	≤ 26.422
165	5825	2.95	3.380	3.270	2.670	8.560	≤ 26.422

Channel 36 (5180MHz)

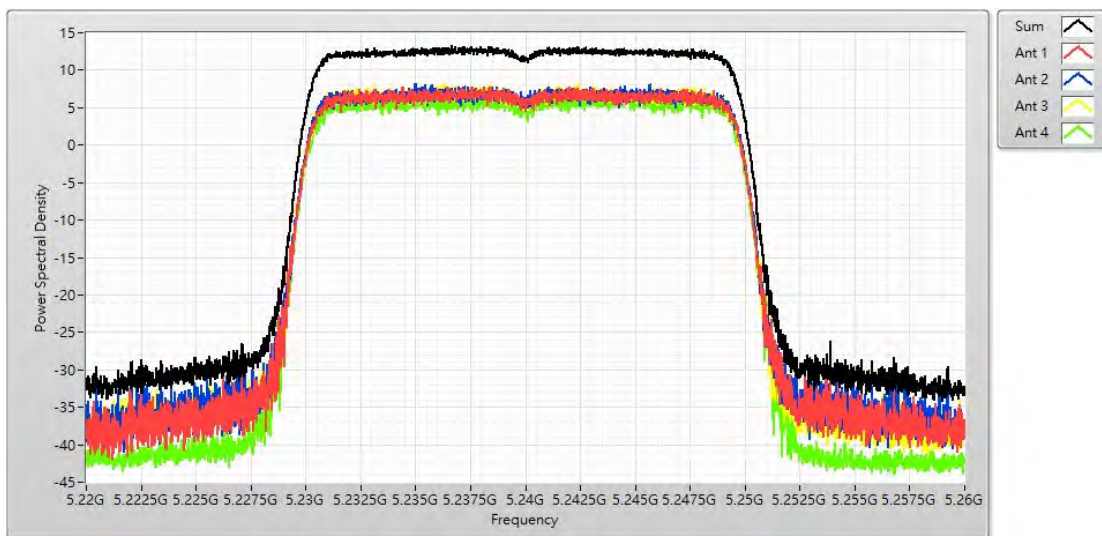


Channel 44 (5220MHz)





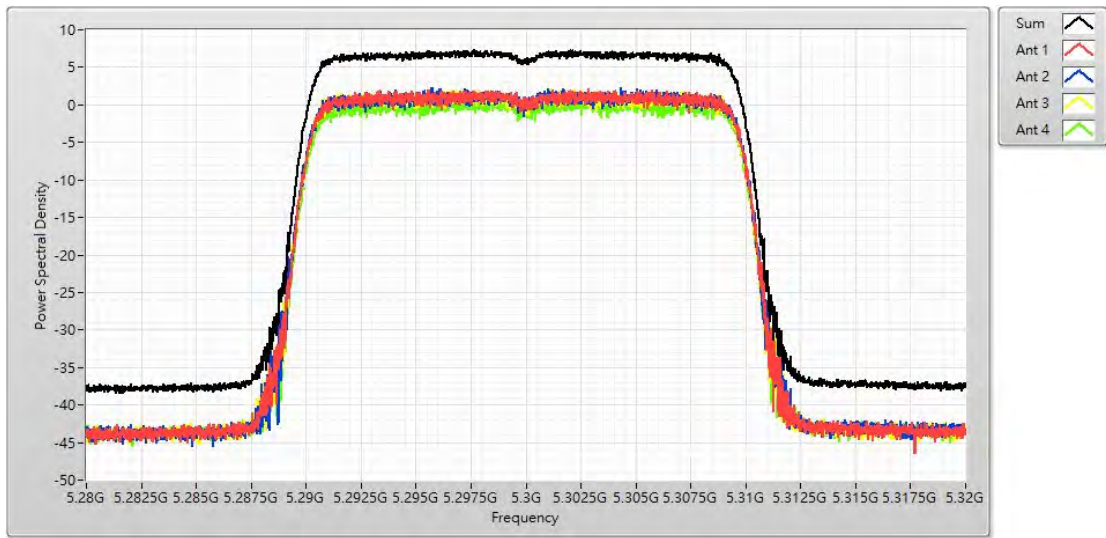
Channel 48 (5240MHz)



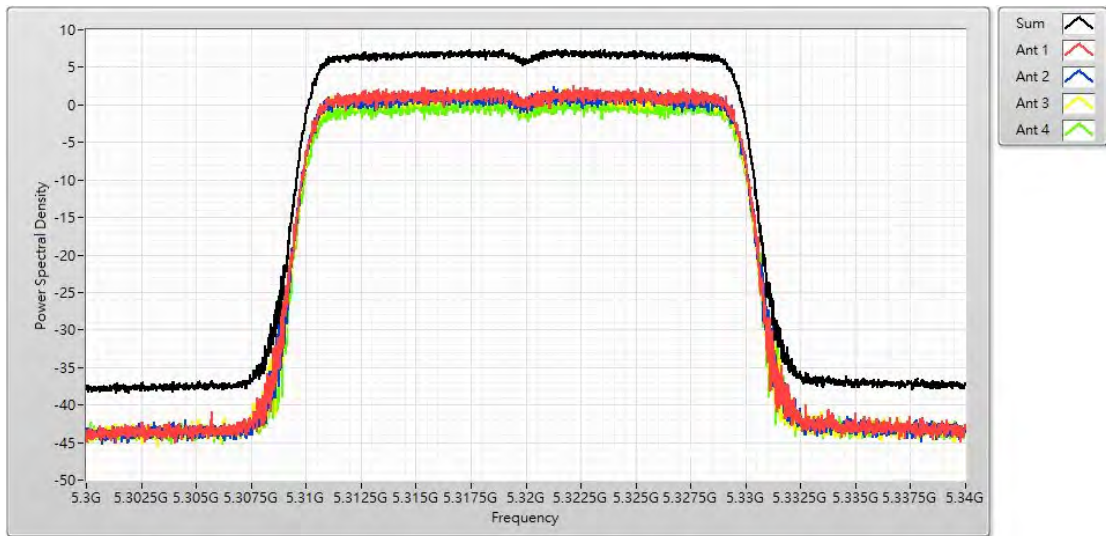
Channel 52 (5260MHz)



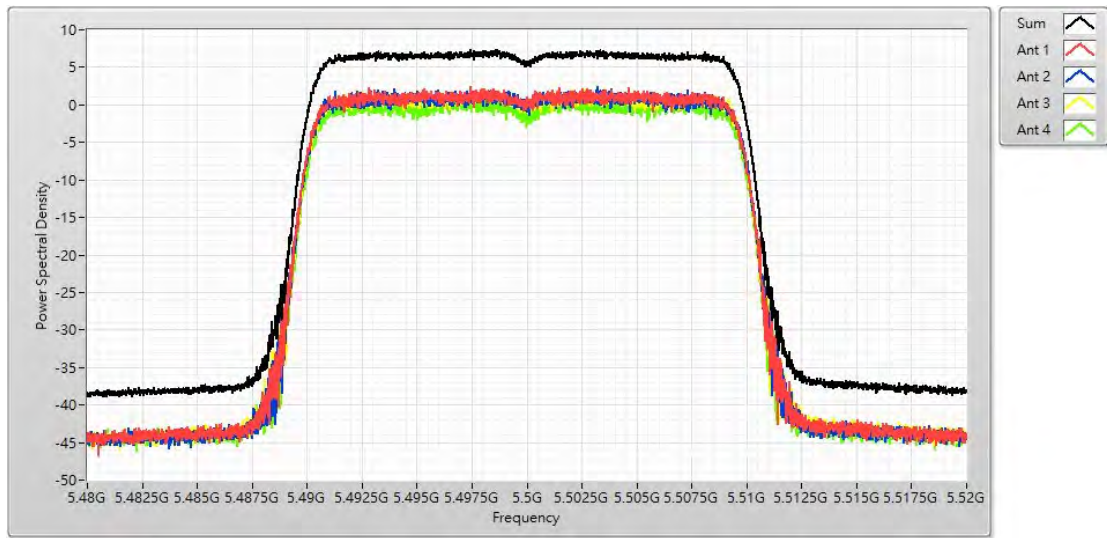
### Channel 60 (5300MHz)



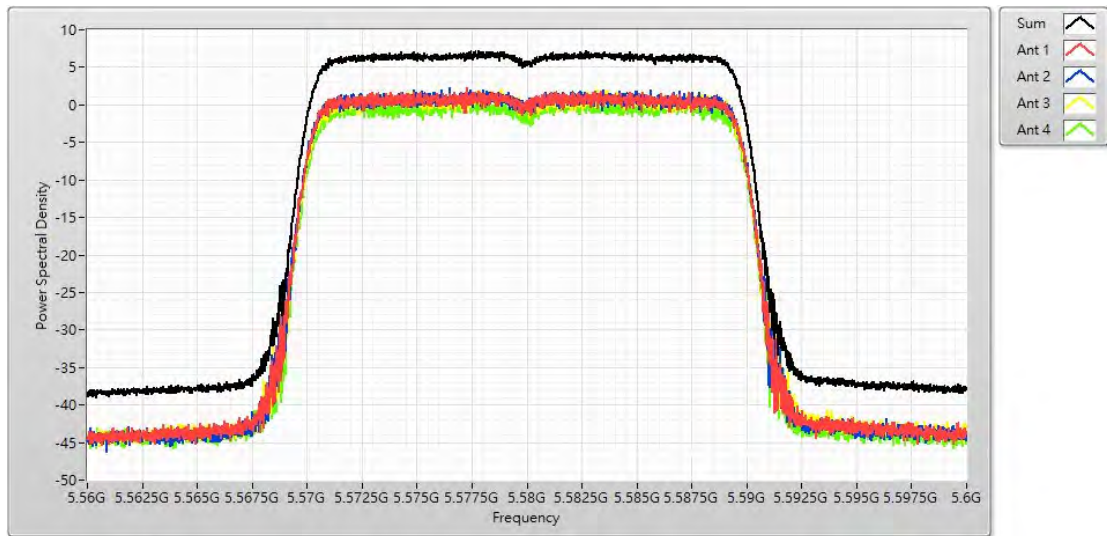
### Channel 64 (5320MHz)



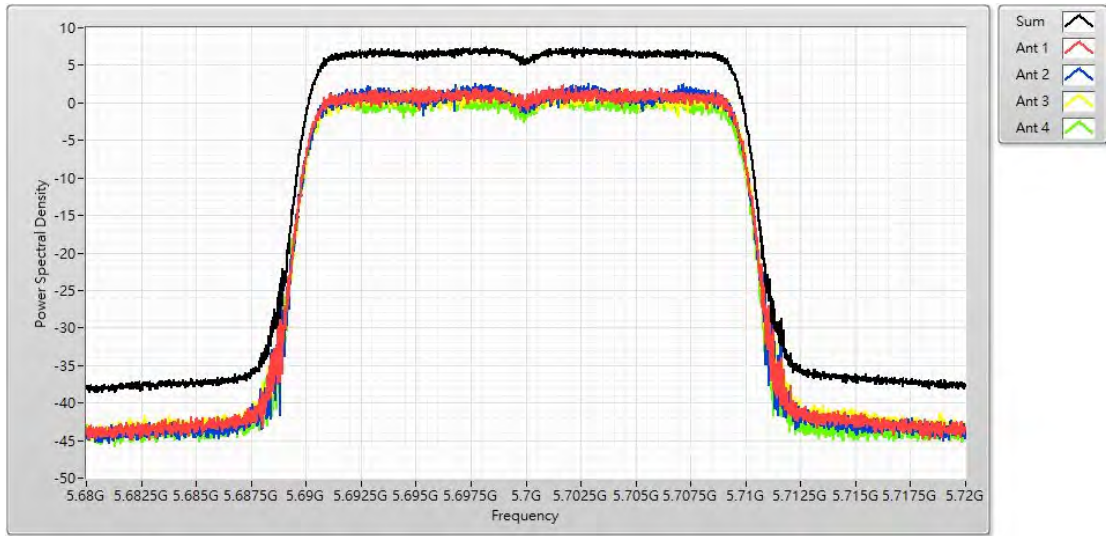
### Channel 100 (5500MHz)



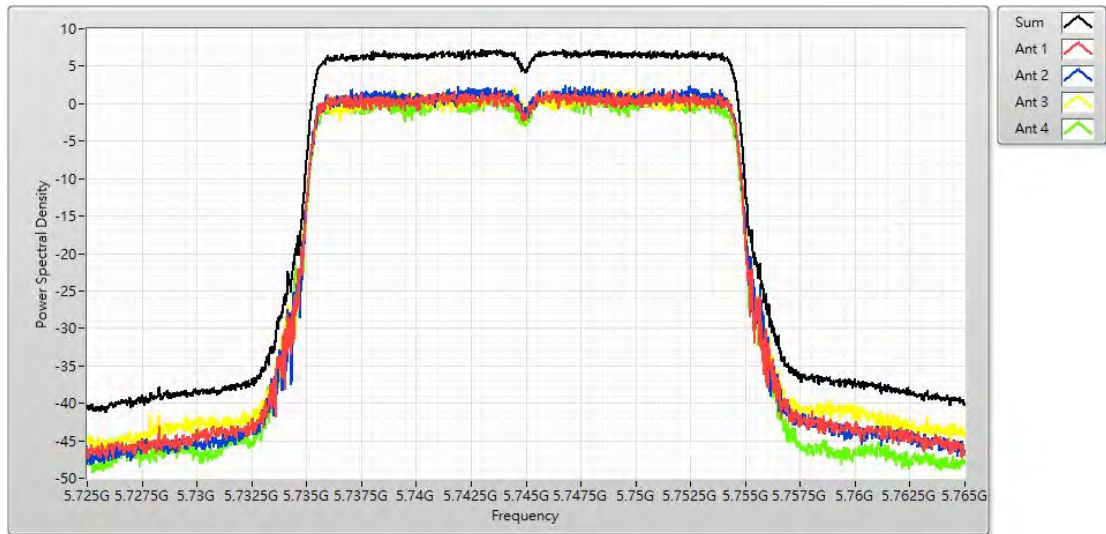
### Channel 116 (5580MHz)



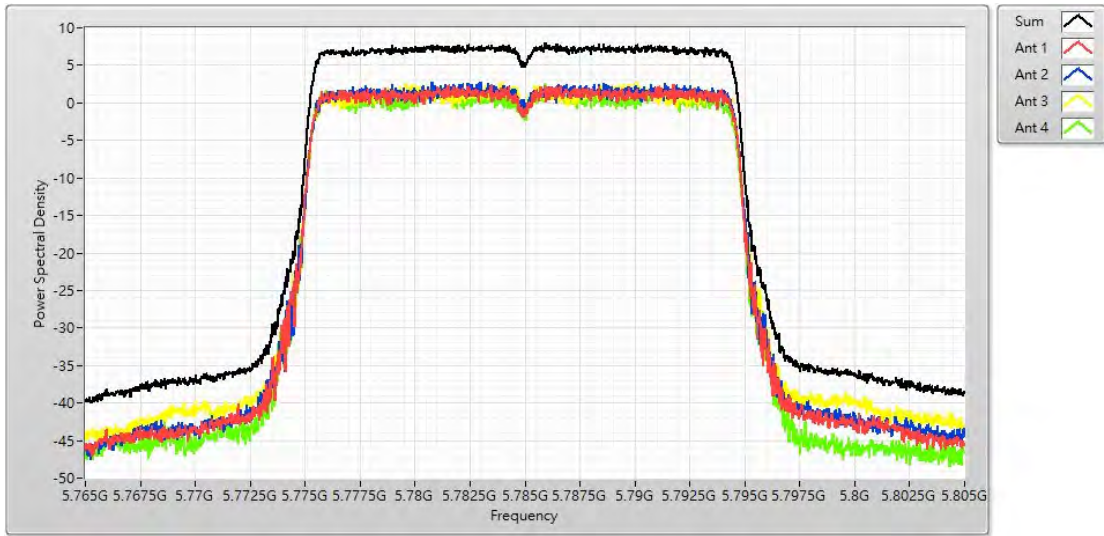
### Channel 140 (5700MHz)



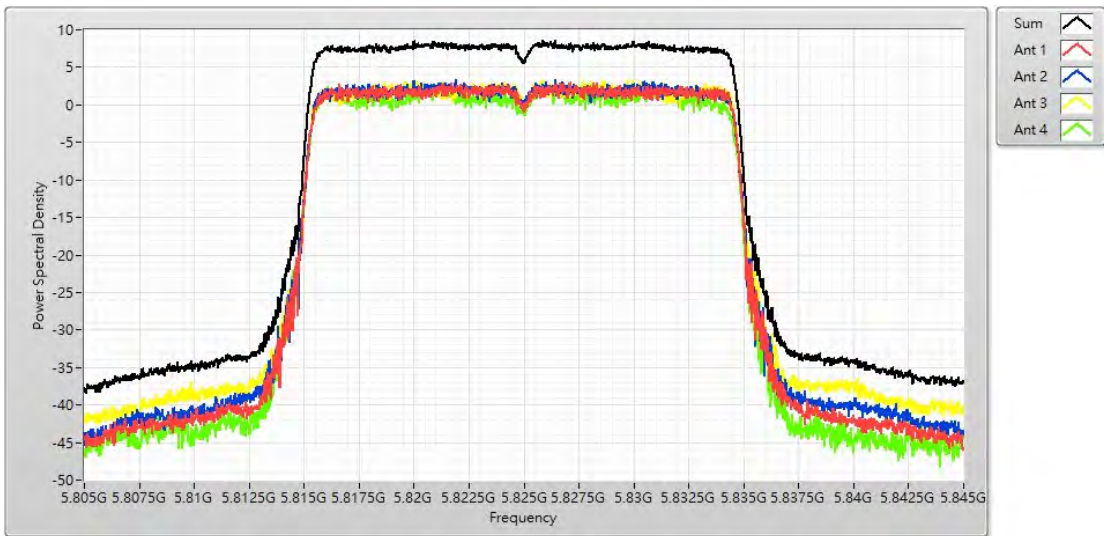
### Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

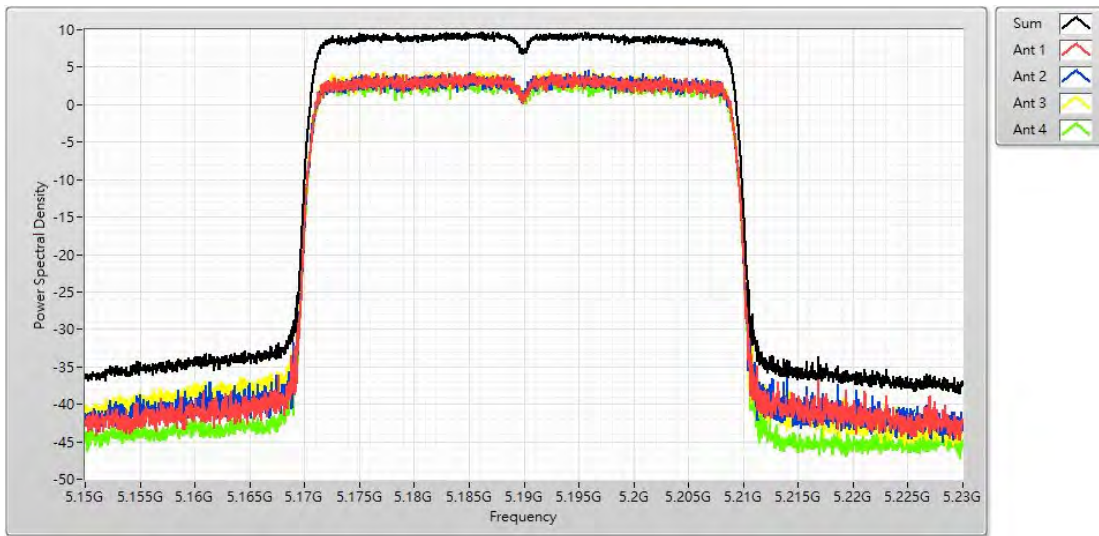


Product	Mesh Wi-Fi Router		
Test Item	Maximum power spectral density		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/15	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	68.0

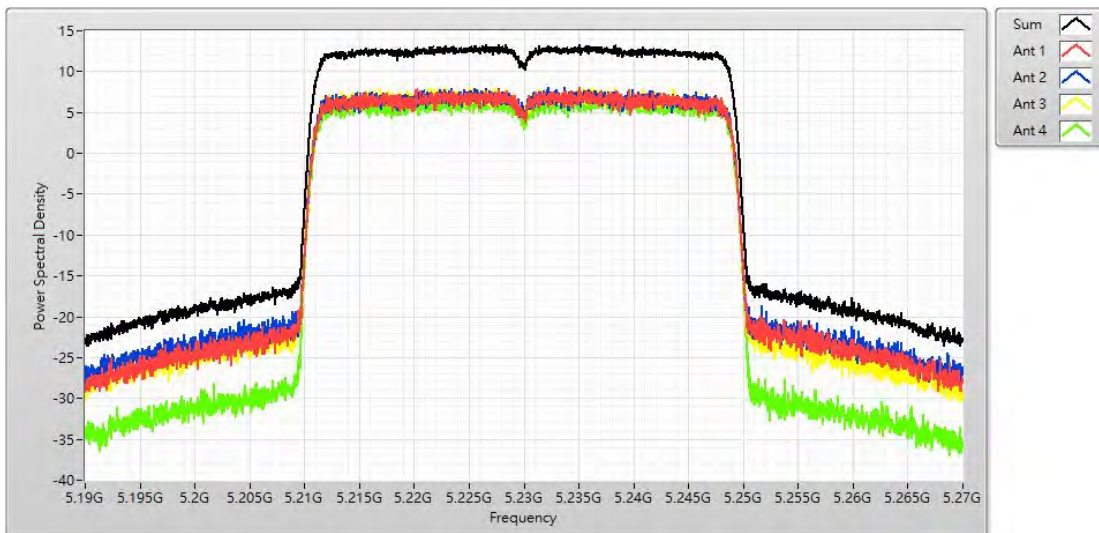
## IEEE 802.11ax (40MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
38	5190	4.27	4.670	4.650	3.910	9.720	≤ 13.422
46	5230	8.14	8.040	8.000	7.140	13.330	≤ 13.422
54	5270	2.11	2.080	1.790	1.140	7.250	≤ 7.422
62	5310	2.06	2.120	1.820	0.960	7.240	≤ 7.422
102	5510	2.41	2.150	2.070	1.060	7.300	≤ 7.422
110	5550	2.29	2.360	2.020	0.990	7.340	≤ 7.422
134	5670	2.14	2.240	2.130	1.240	7.230	≤ 7.422
151	5755	0.540	0.680	1.030	-0.480	5.820	≤ 26.422
159	5795	0.120	0.500	0.560	0.040	5.540	≤ 26.422

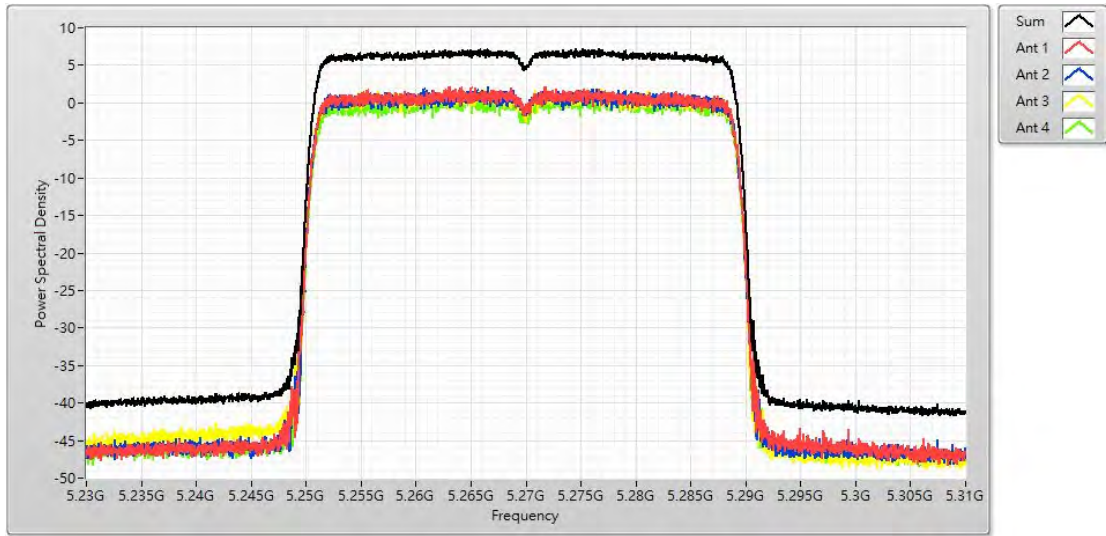
Channel 38 (5190MHz)



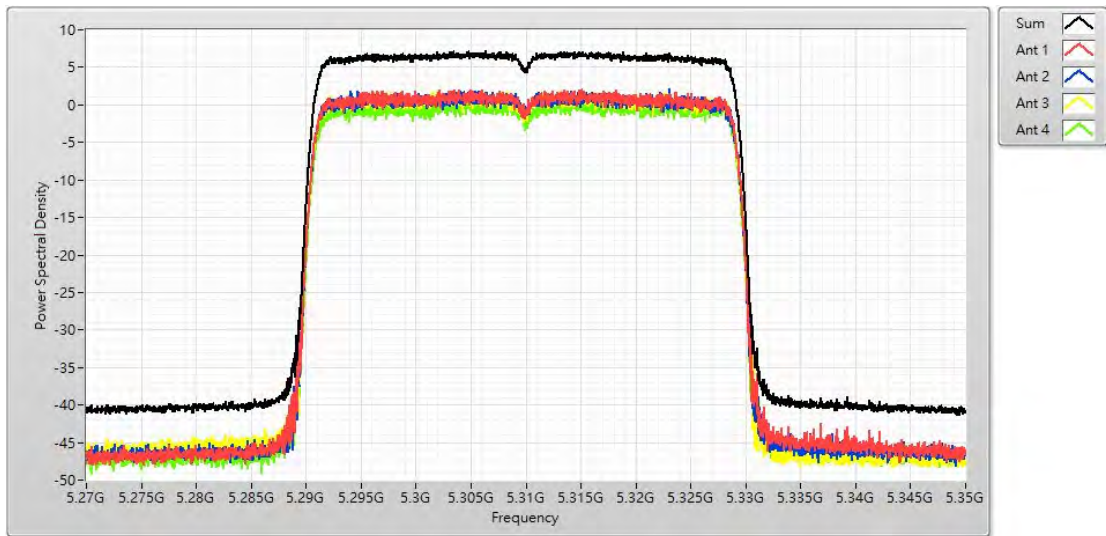
Channel 46 (5230MHz)



### Channel 54 (5270MHz)

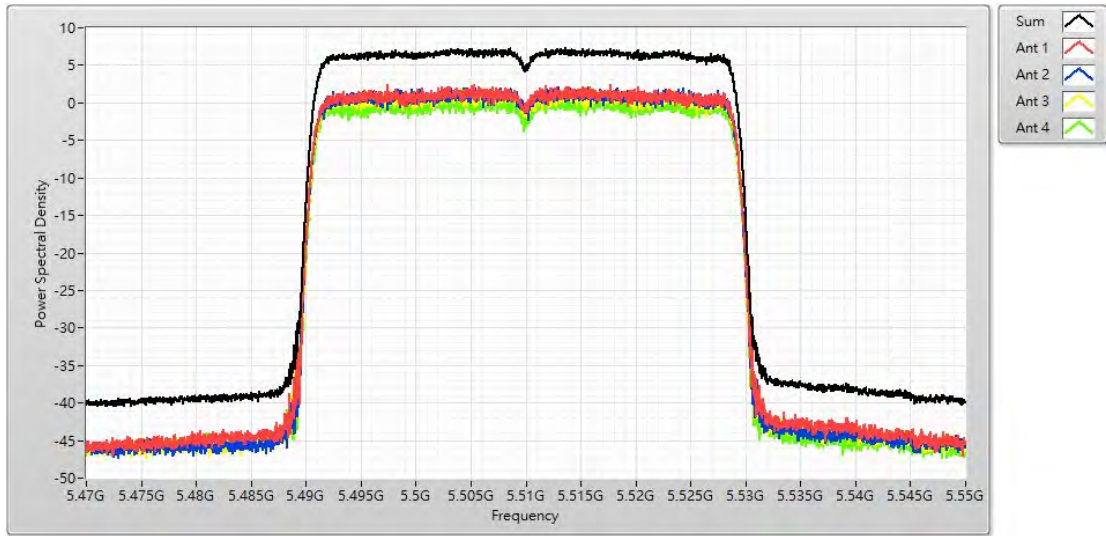


### Channel 62 (5310MHz)

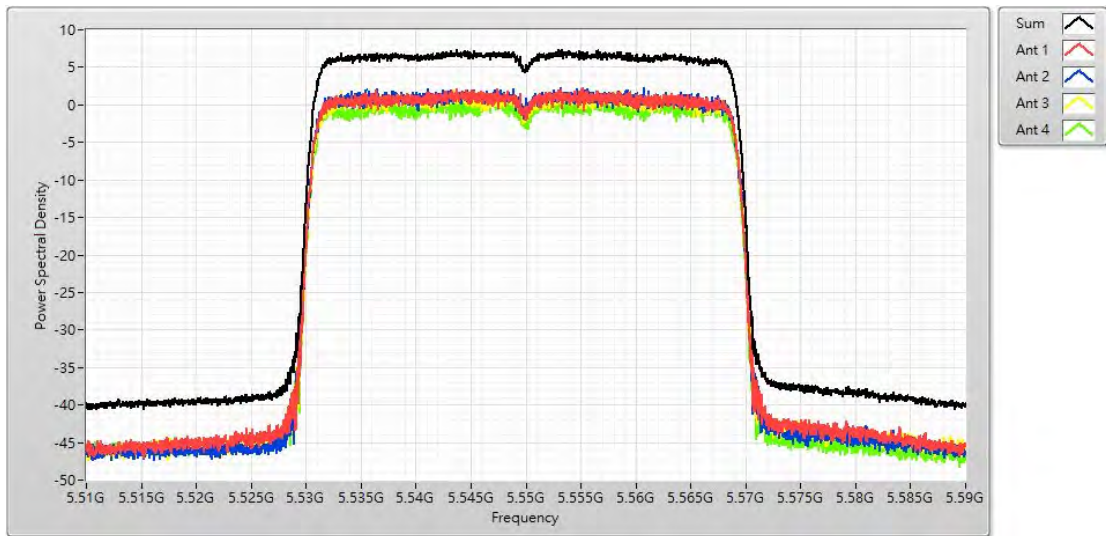




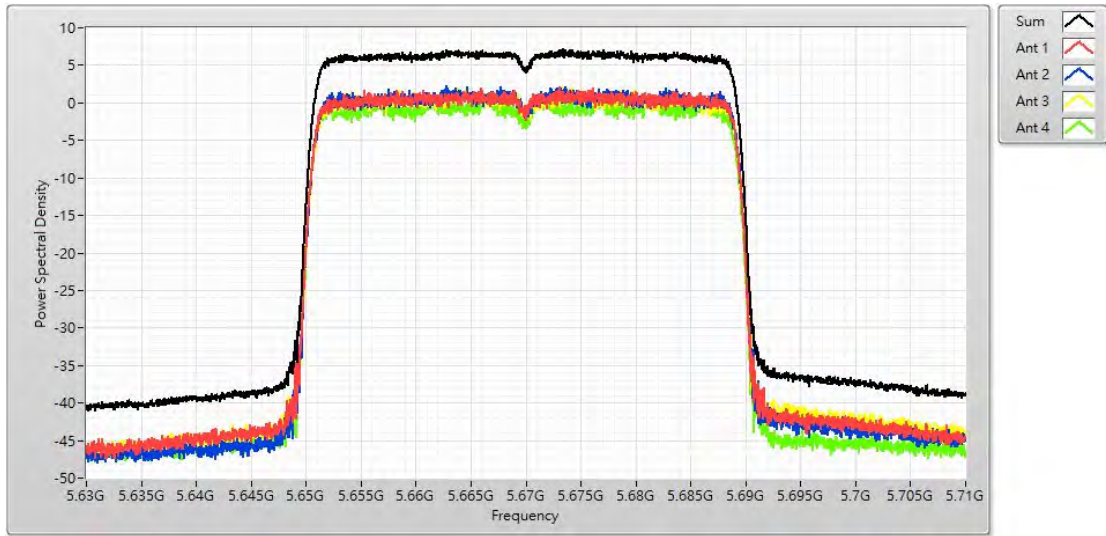
### Channel 102 (5510MHz)



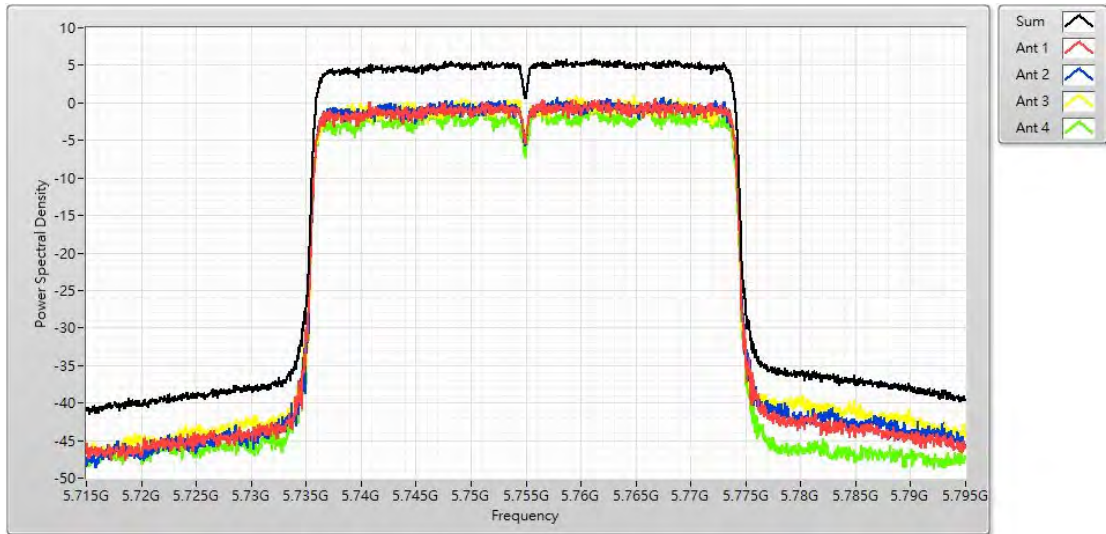
### Channel 110 (5550MHz)



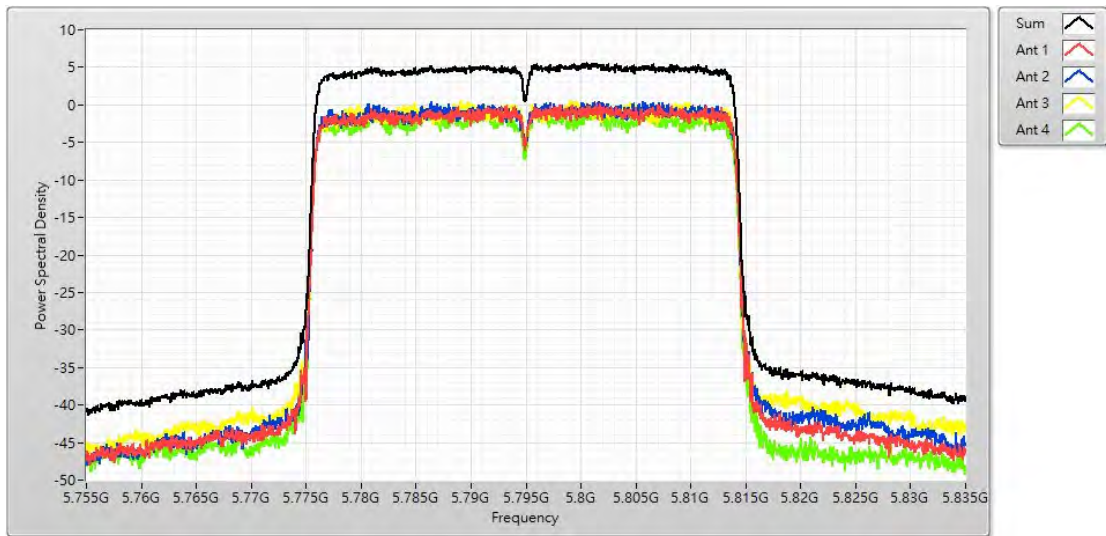
Channel 134 (5670MHz)



Channel 151 (5755MHz)



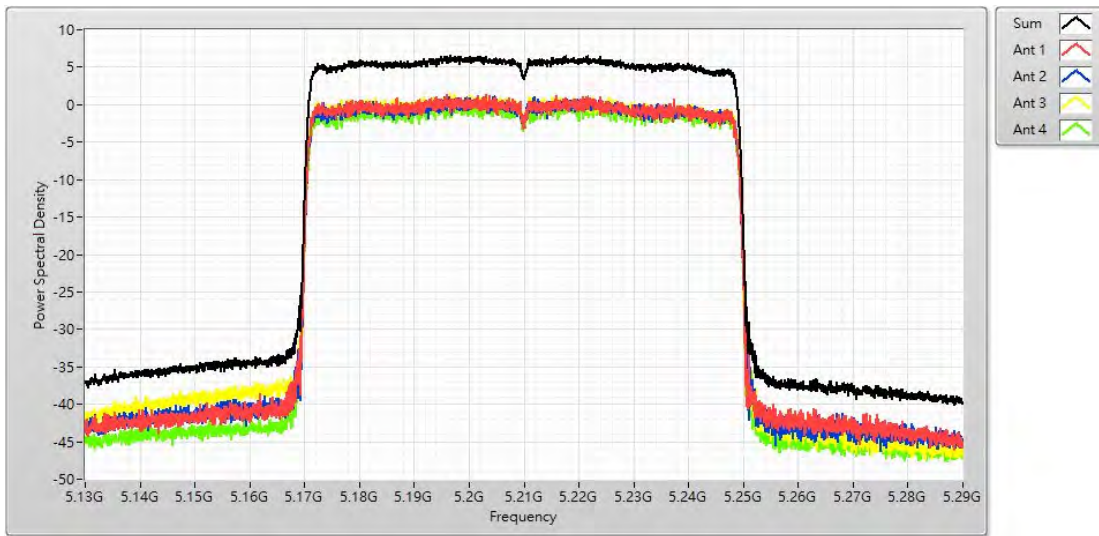
### Channel 159 (5795MHz)



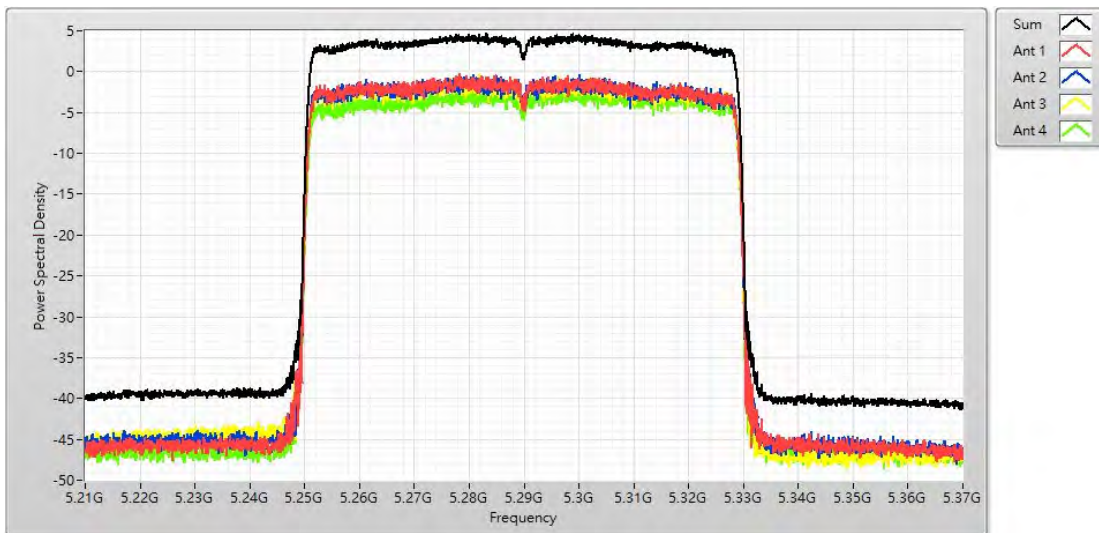
Product	Mesh Wi-Fi Router		
Test Item	Maximum power spectral density		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/05/15	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	68.0

IEEE 802.11ax (80MHz)							
Channel No.	Frequency (MHz)	Measure Level (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
42	5210	1.400	1.120	1.520	0.740	6.630	$\leq 13.422$
58	5290	-0.300	-0.310	-0.360	-1.800	4.650	$\leq 7.422$
106	5530	0.850	0.800	0.660	-0.360	6.120	$\leq 7.422$
122	5610	1.450	1.280	0.840	-0.240	6.210	$\leq 7.422$
155	5775	-0.220	-0.480	-0.350	-1.210	4.840	$\leq 26.422$

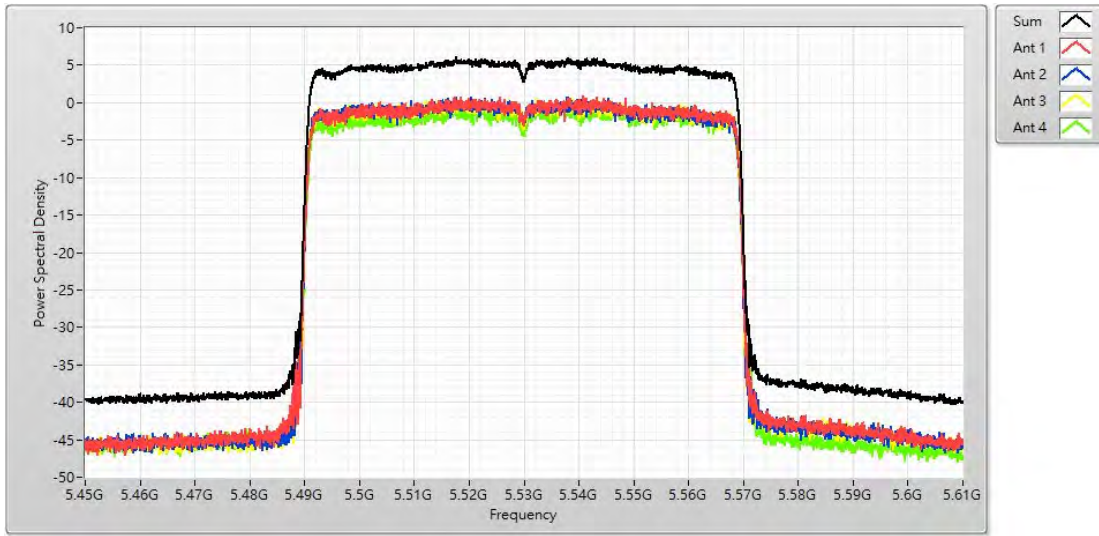
Channel 42 (5210MHz)



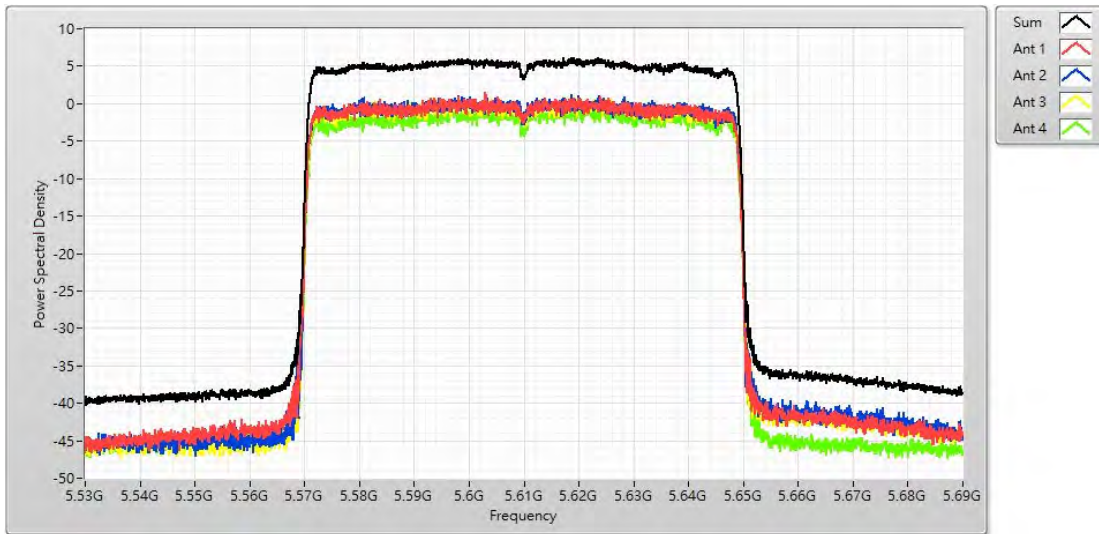
Channel 58 (5290MHz)



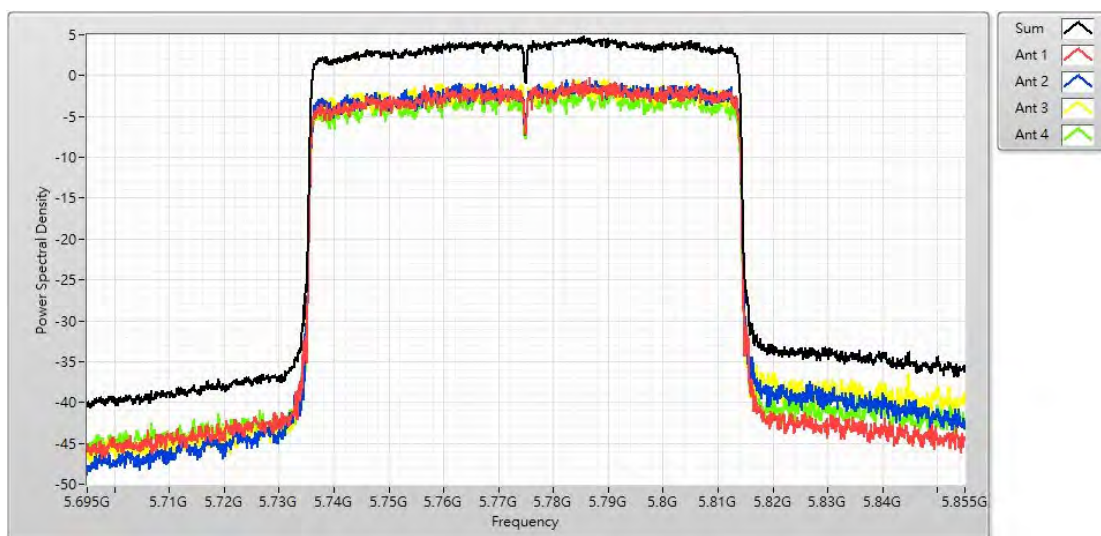
Channel 106 (5530MHz)



Channel 122 (5610MHz)



### Channel 155 (5775MHz)

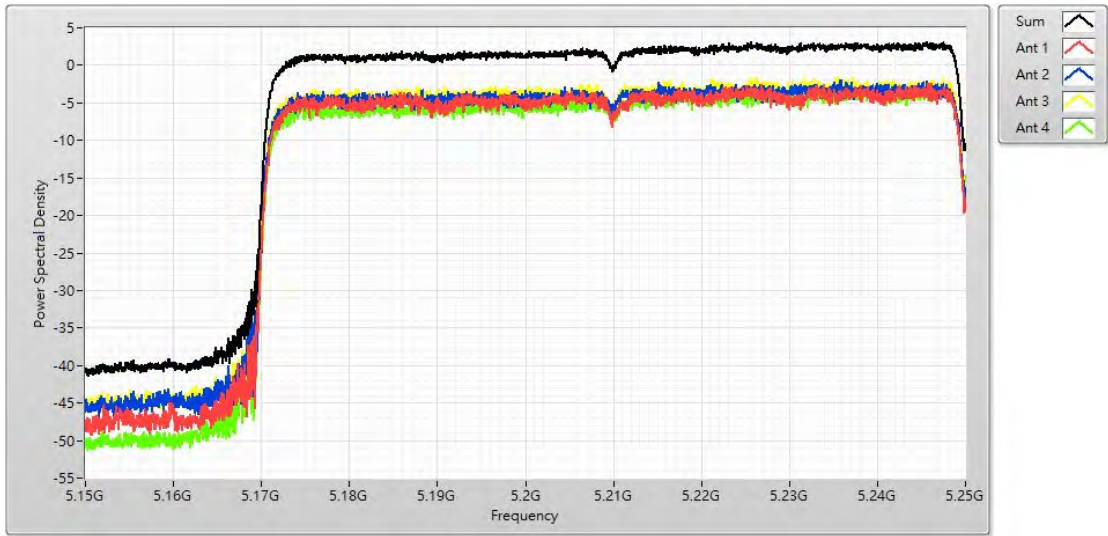


Product	Mesh Wi-Fi Router		
Test Item	Maximum power spectral density		
Test Mode	Mode 1: Transmit_Non-BF_EBM522U		
Date of Test	2021/06/25	Test Site	SR12-H
Temperature (°C)	24	Humidity (%RH)	66

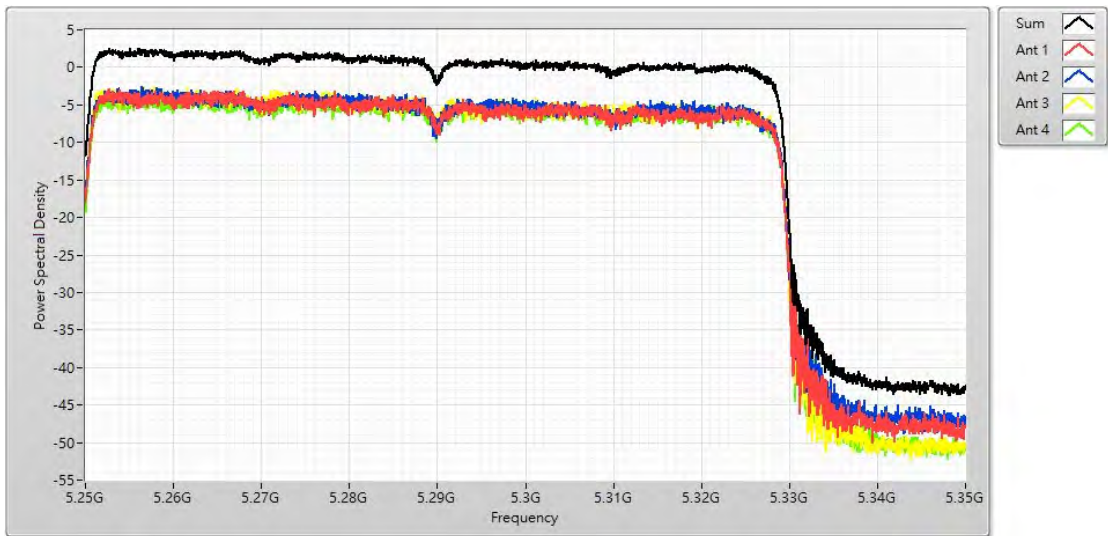
IEEE 802.11ax (160MHz)							
Channel No.	Frequency (MHz)	Measure Level (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
50	5250 (Band 1)	-2.33	-1.920	-1.640	-2.770	3.15	$\leq 13.422$
	5250 (Band 2)	-2.93	-2.600	-2.490	-3.360	2.55	$\leq 7.422$
114	5570	-1.80	-1.300	-1.660	-2.400	3.48	$\leq 7.422$



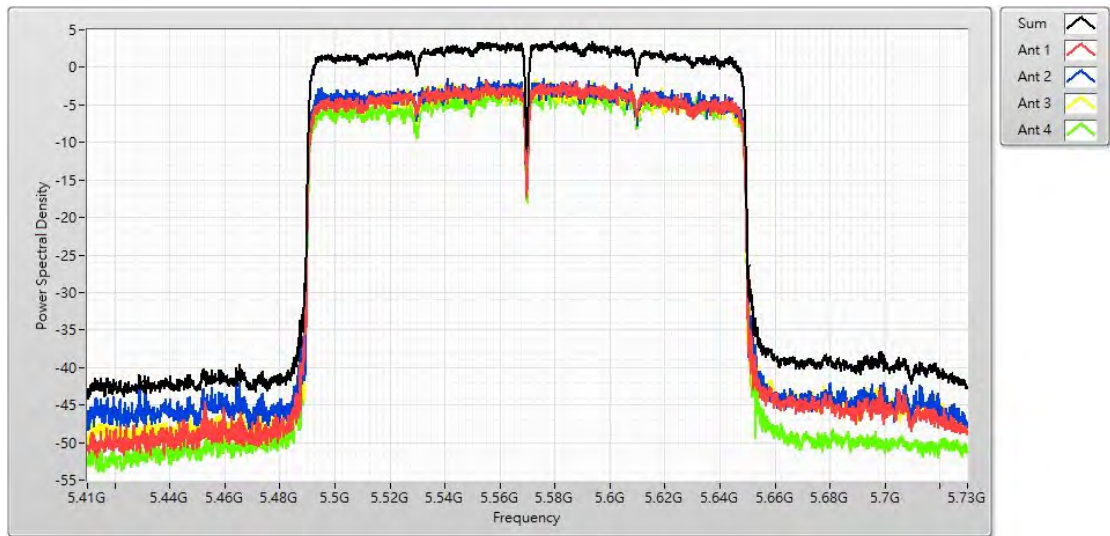
### Channel 50 (5250 (Band 1))



### Channel 50 (5250 (Band 2))



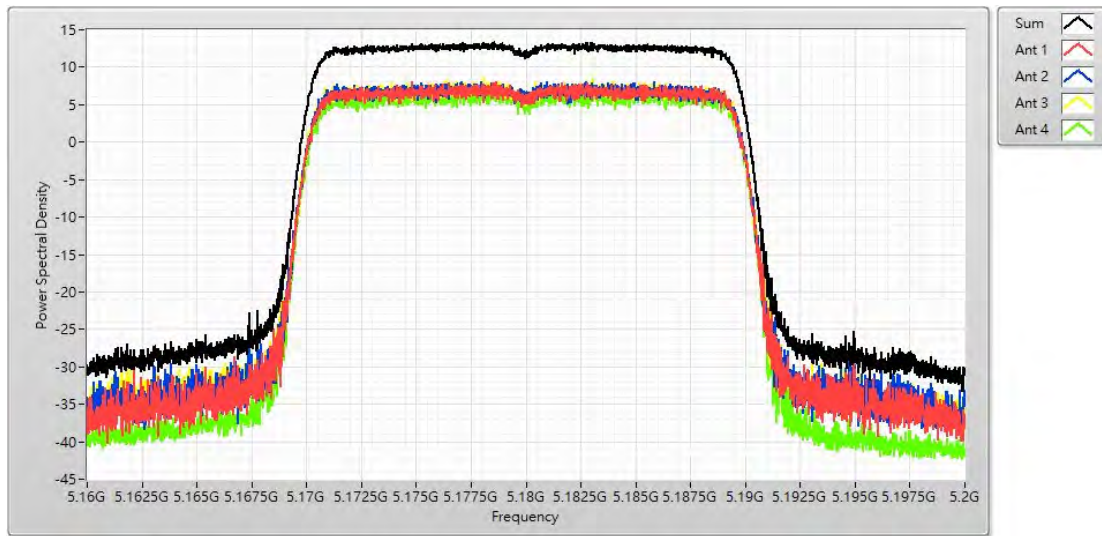
### Channel 114 (5570MHz)



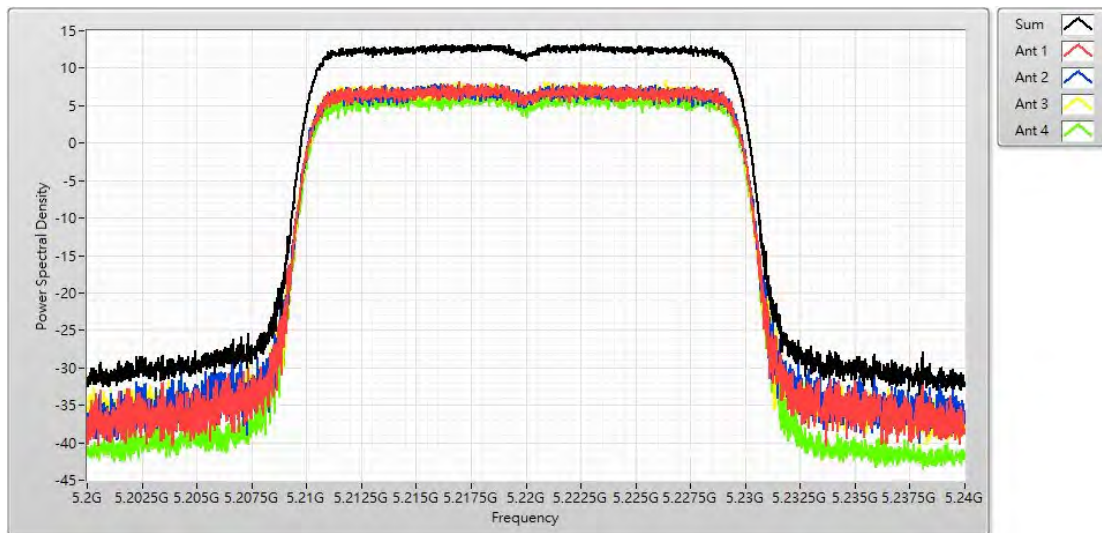
Product	Mesh Wi-Fi Router		
Test Item	Maximum power spectral density		
Test Mode	Mode 3: Transmit_BF		
Date of Test	2021/05/15~2021/06/02	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	68.0

IEEE 802.11ax (20MHz)							
Channel No.	Frequency (MHz)	Measure Level (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
36	5180	8.100	8.040	8.630	7.130	13.370	≤ 13.422
44	5220	8.280	7.940	8.410	7.260	13.240	≤ 13.422
48	5240	7.810	8.170	8.190	7.190	13.230	≤ 13.422
52	5260	2.350	2.260	2.190	1.380	7.300	≤ 7.422
60	5300	2.060	2.290	2.200	1.200	7.330	≤ 7.422
64	5320	2.630	2.380	2.350	1.460	7.350	≤ 7.422
100	5500	2.510	2.460	2.150	1.090	7.390	≤ 7.422
116	5580	2.290	2.230	2.060	1.040	7.290	≤ 7.422
140	5700	2.260	2.670	2.010	1.630	7.410	≤ 7.422
149	5745	1.980	2.400	2.140	1.480	7.170	≤ 26.422
157	5785	2.480	2.790	2.830	2.540	8.040	≤ 26.422
165	5825	2.950	3.380	3.270	2.670	8.560	≤ 26.422

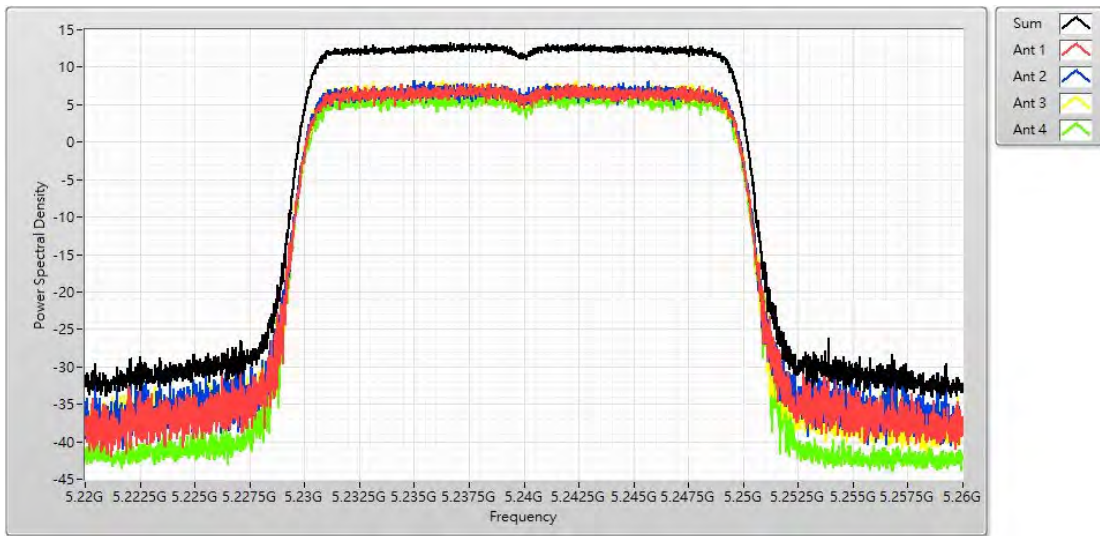
### Channel 36 (5180MHz)



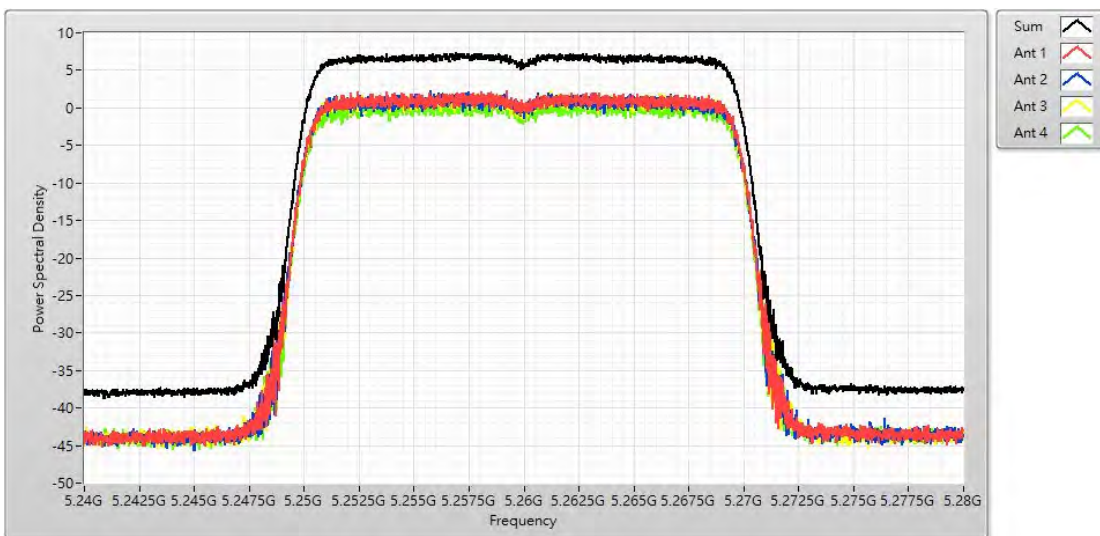
### Channel 44 (5220MHz)



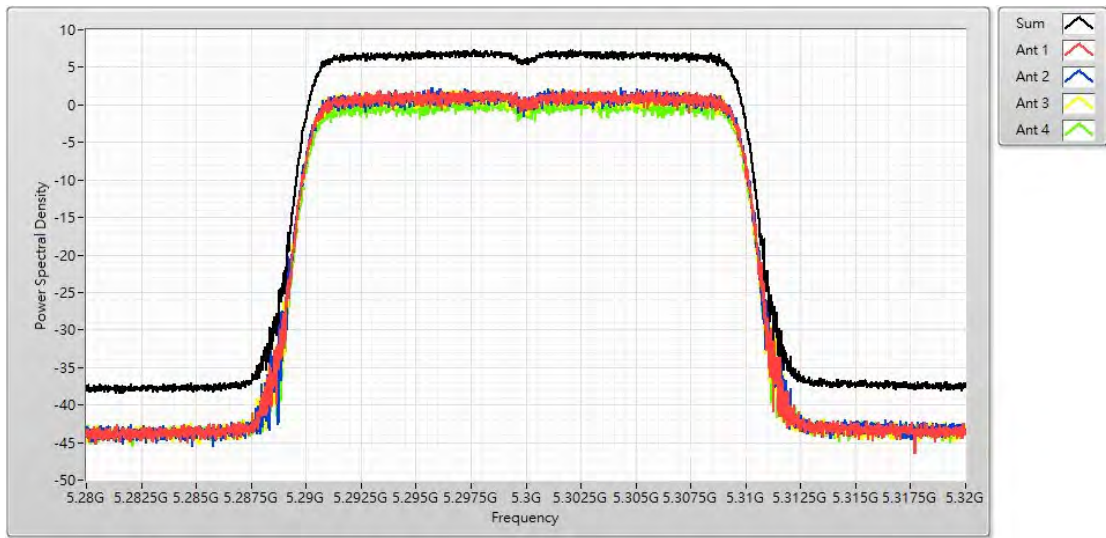
### Channel 48 (5240MHz)



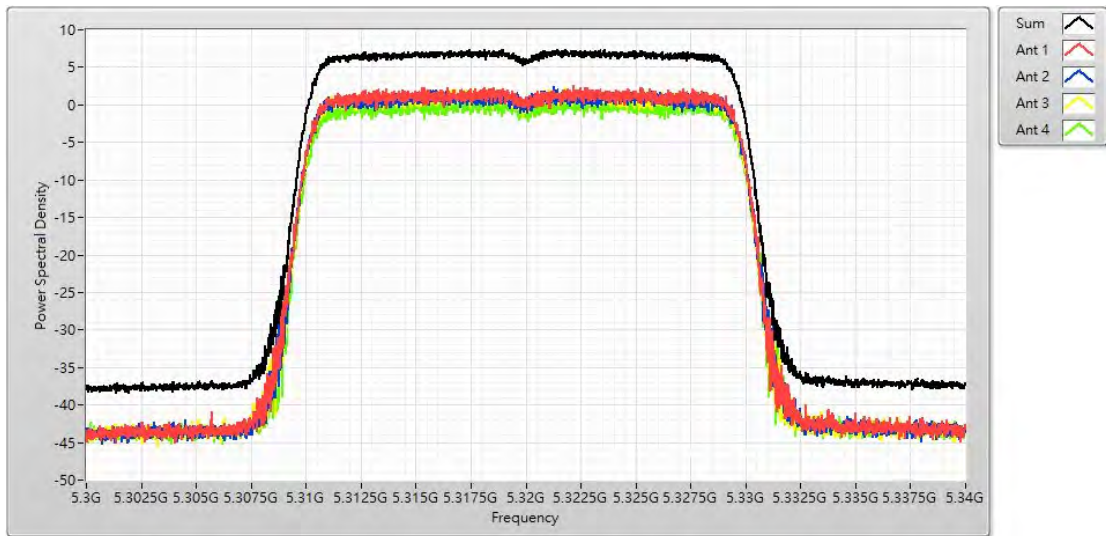
### Channel 52 (5260MHz)



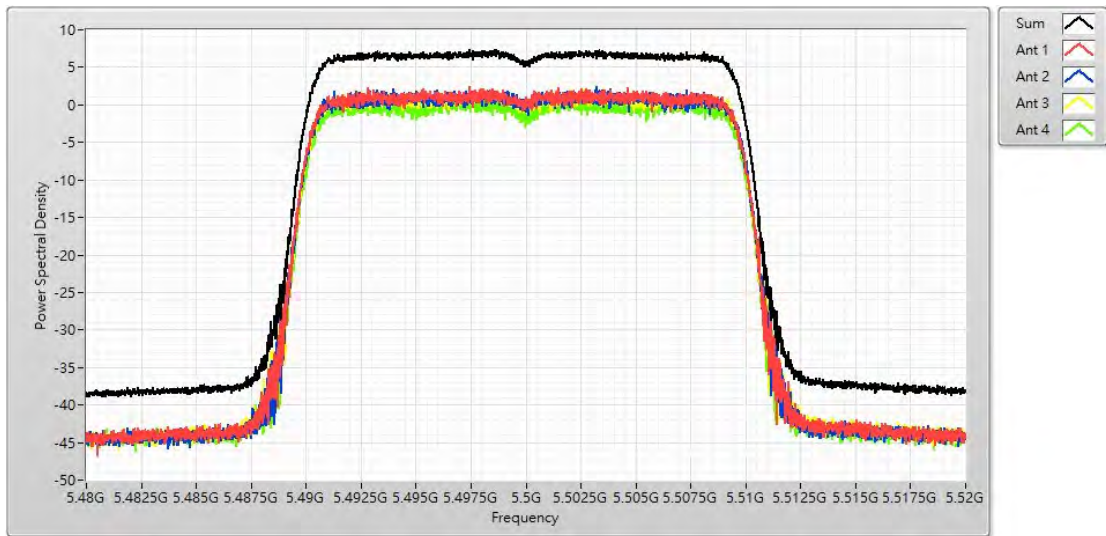
### Channel 60 (5300MHz)



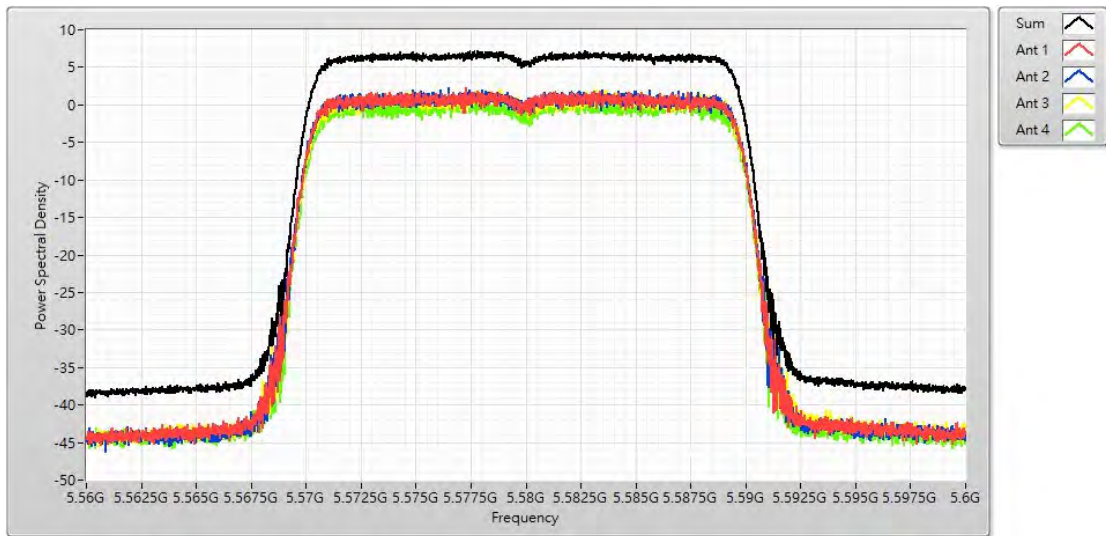
### Channel 64 (5320MHz)



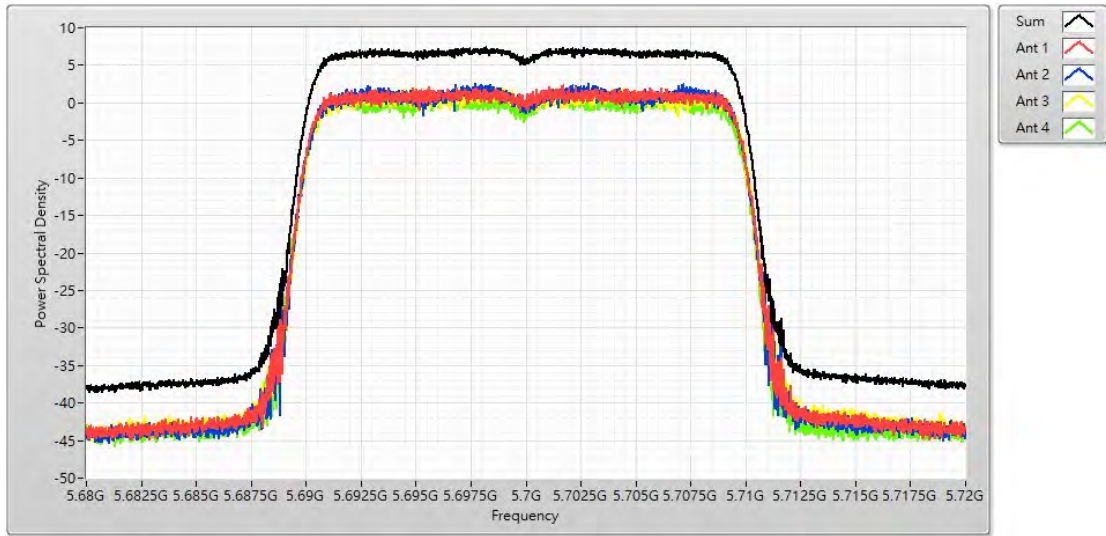
### Channel 100 (5500MHz)



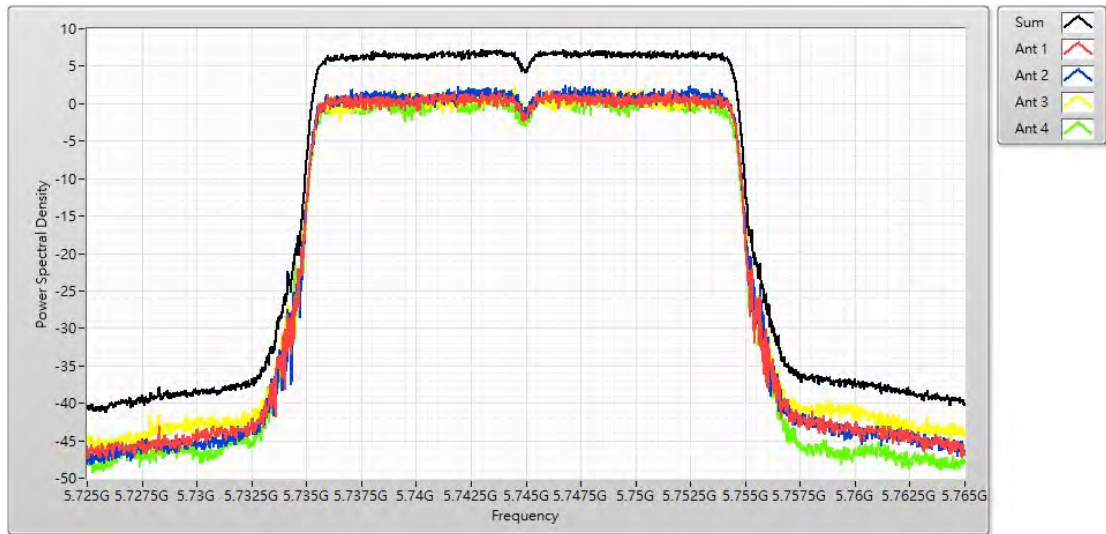
### Channel 116 (5580MHz)



### Channel 140 (5700MHz)

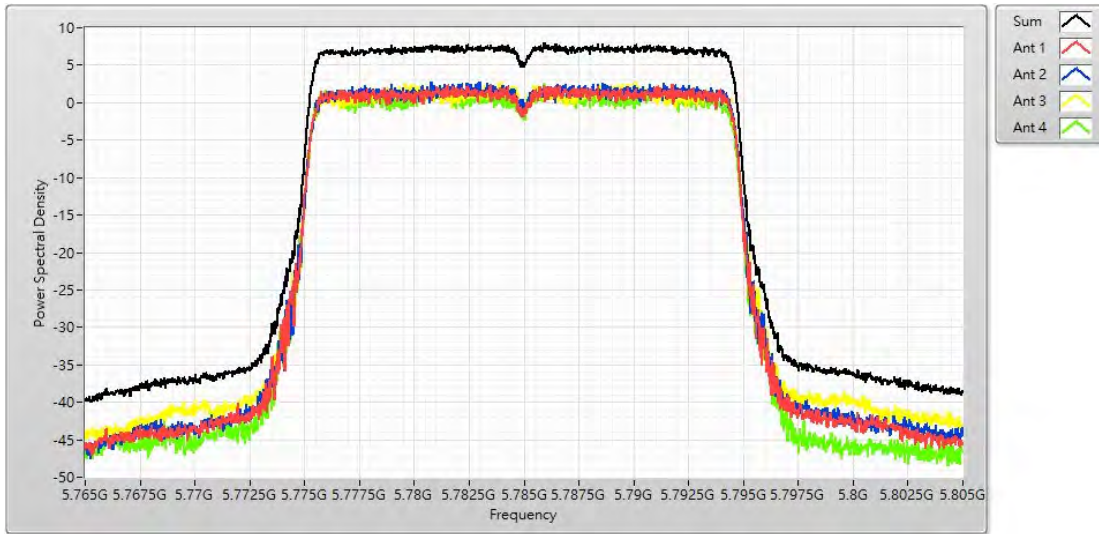


### Channel 149 (5745MHz)

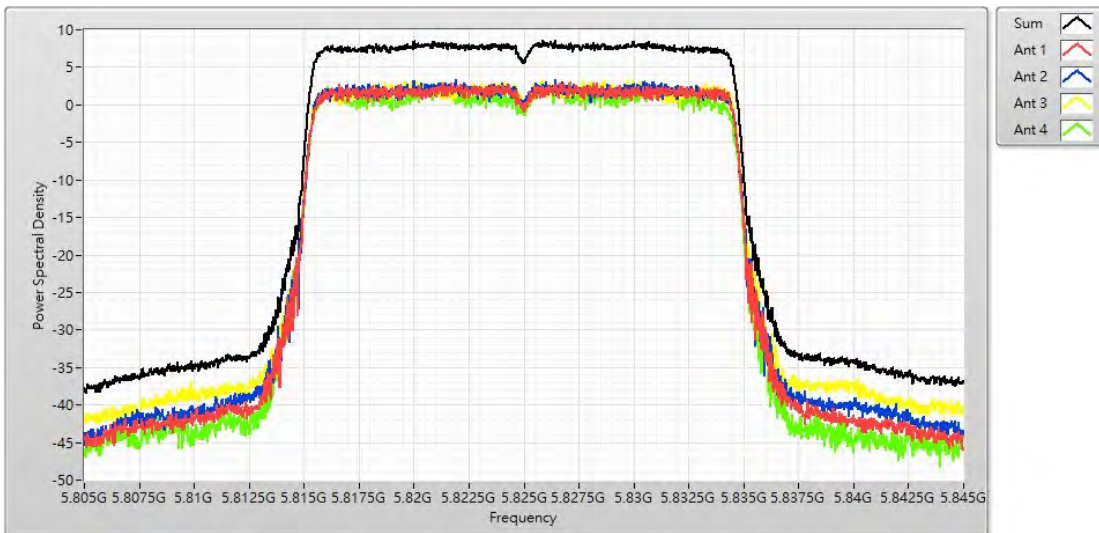




Channel 157 (5785MHz)



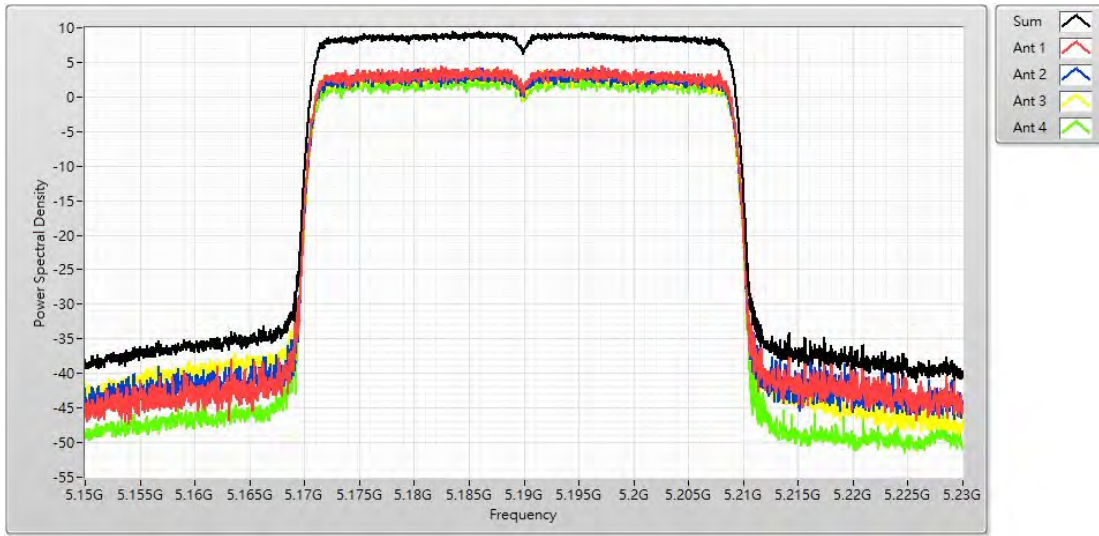
Channel 165 (5825MHz)



Product	Mesh Wi-Fi Router		
Test Item	Maximum power spectral density		
Test Mode	Mode 3: Transmit_BF		
Date of Test	2021/05/15~2021/06/02	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	68.0

IEEE 802.11ax (40MHz)							
Channel No.	Frequency (MHz)	Measure Level (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
38	5190	4.510	4.230	4.200	3.220	9.460	≤ 13.422
46	5230	6.830	6.860	7.180	6.150	12.070	≤ 13.422
54	5270	0.650	0.760	0.340	-0.670	5.740	≤ 7.422
62	5310	0.350	0.540	0.180	-0.450	5.660	≤ 7.422
102	5510	0.790	0.920	0.680	-0.420	5.890	≤ 7.422
110	5550	0.700	0.760	0.550	-0.450	5.720	≤ 7.422
134	5670	0.510	1.030	0.650	-0.680	5.680	≤ 7.422
151	5755	0.540	0.680	1.030	-0.480	5.820	≤ 26.422
159	5795	0.120	0.500	0.560	0.040	5.540	≤ 26.422

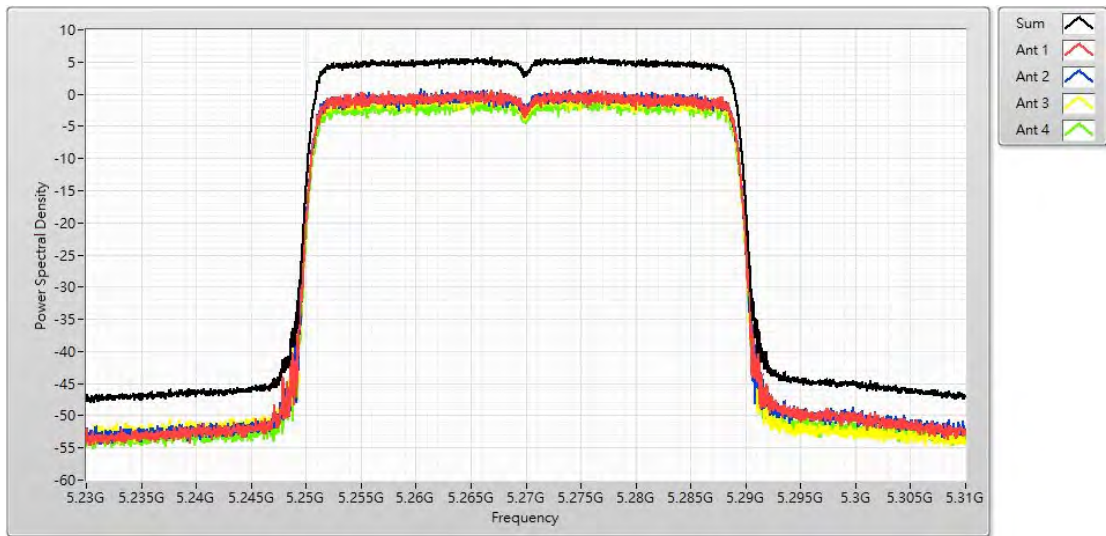
Channel 38 (5190MHz)



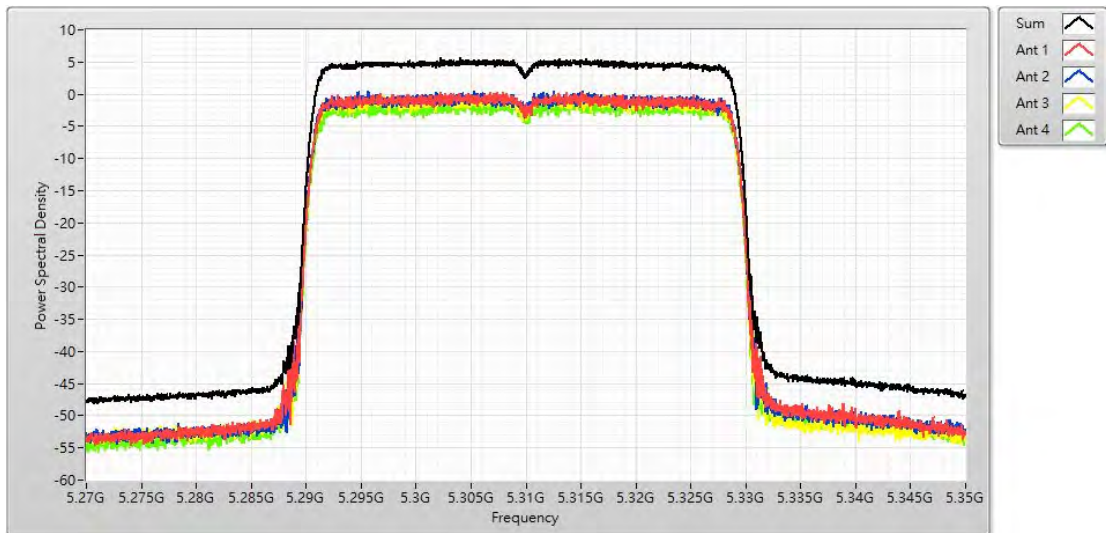
Channel 46 (5230MHz)



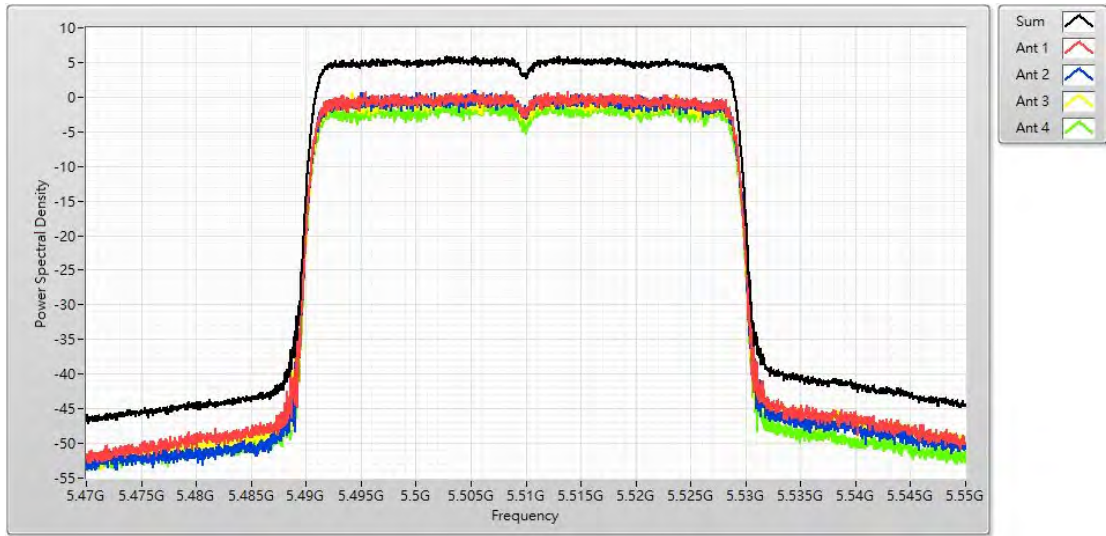
### Channel 54 (5270MHz)



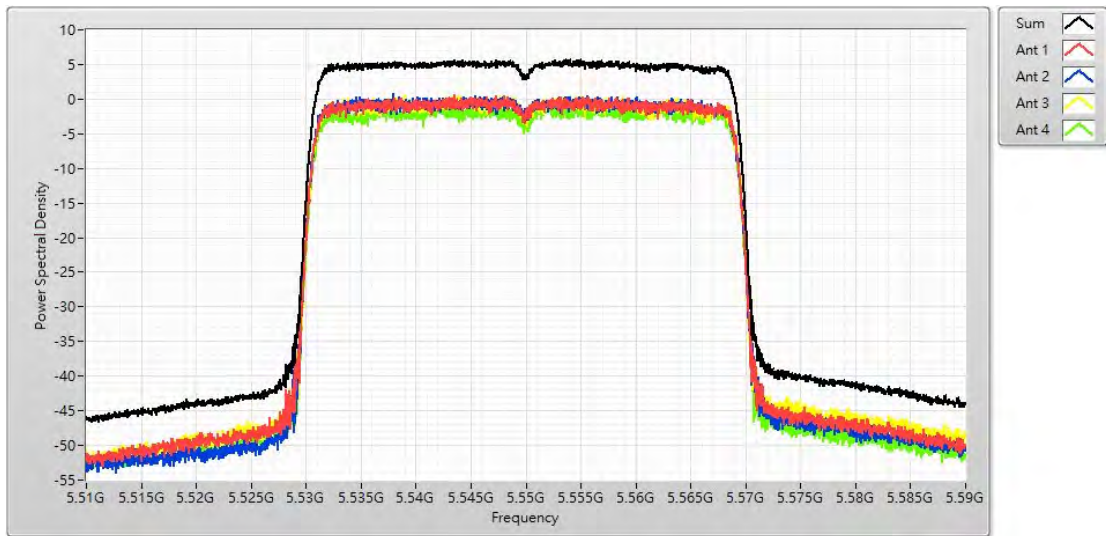
### Channel 62 (5310MHz)



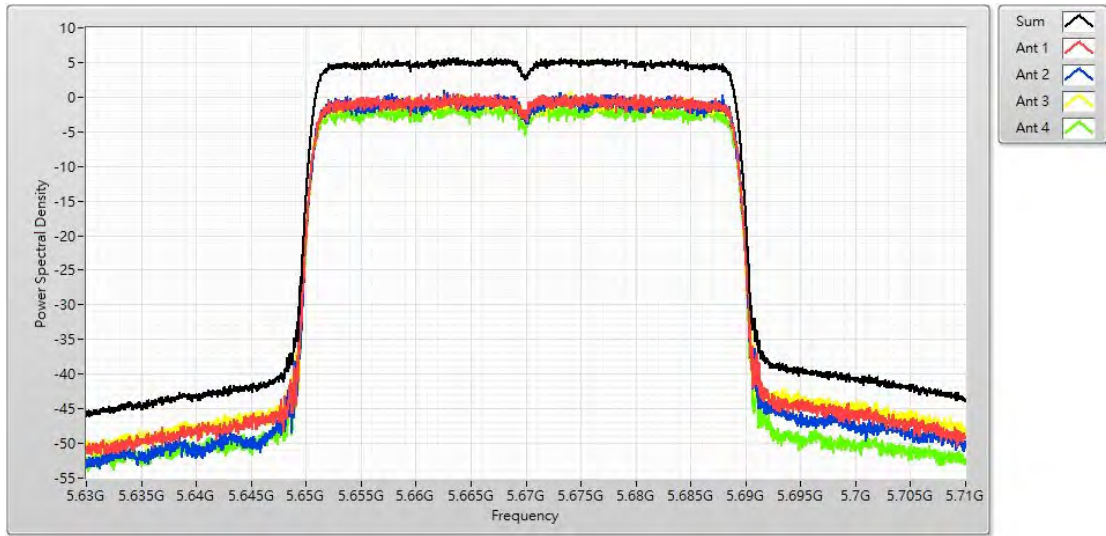
### Channel 102 (5510MHz)



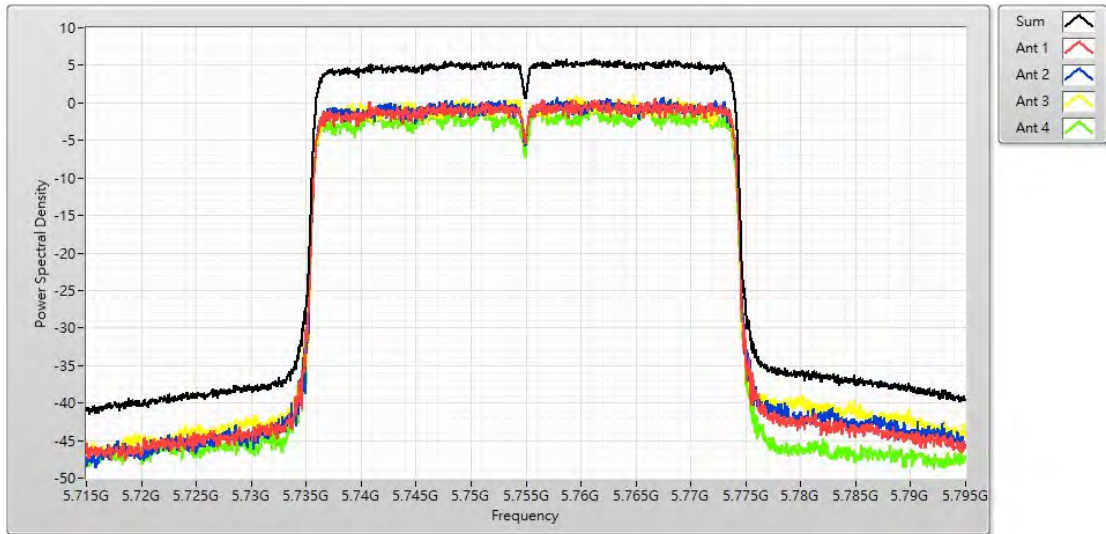
### Channl 110 (5550MHz)



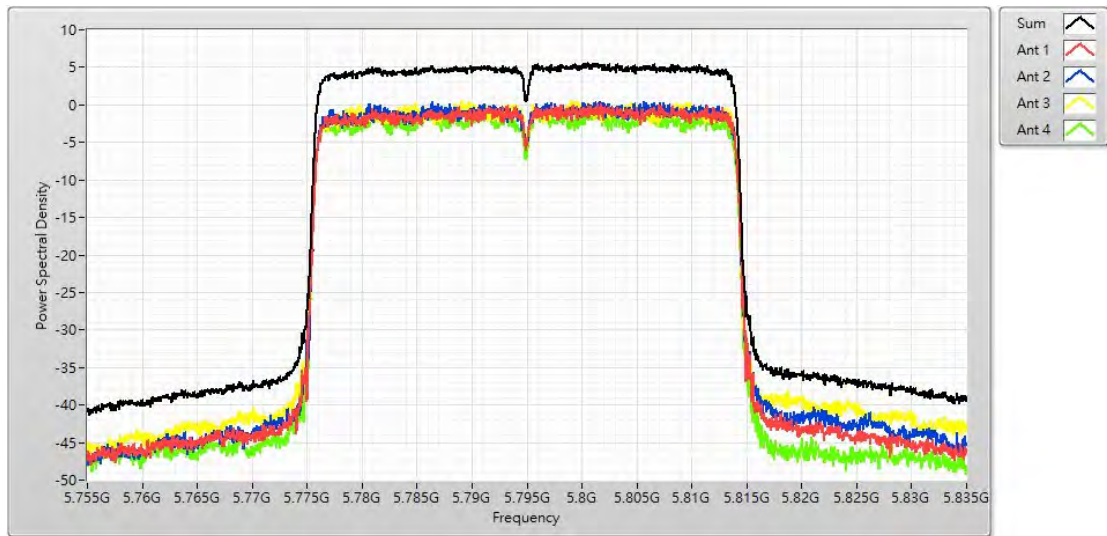
Channel 134 (5670MHz)



Channel 151 (5755MHz)



### Channel 159 (5795MHz)

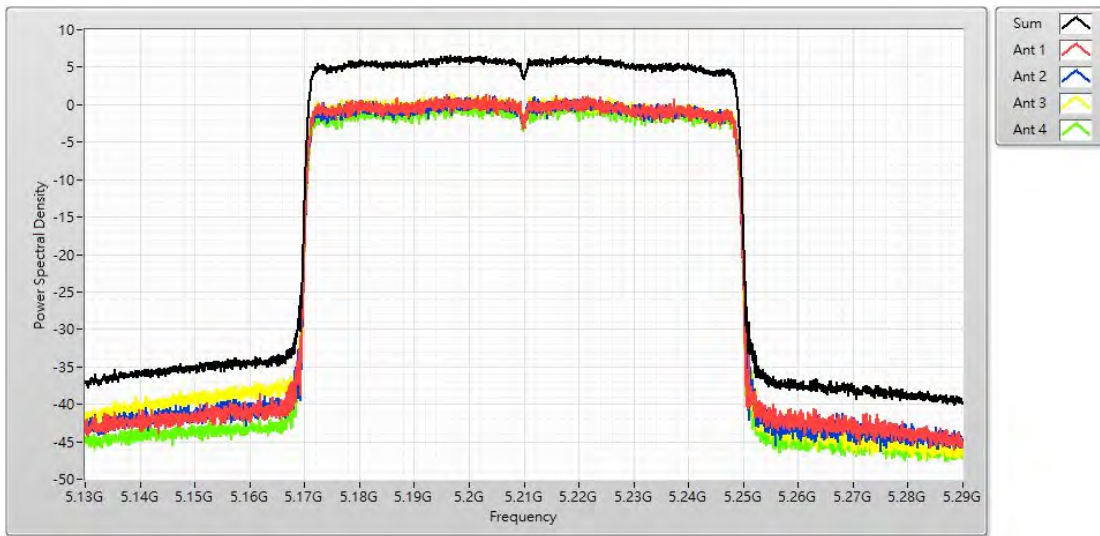


Product	Mesh Wi-Fi Router		
Test Item	Maximum power spectral density		
Test Mode	Mode 3: Transmit_BF		
Date of Test	2021/05/15~2021/06/02	Test Site	SR12-H
Temperature (°C)	24.0	Humidity (%RH)	68.0

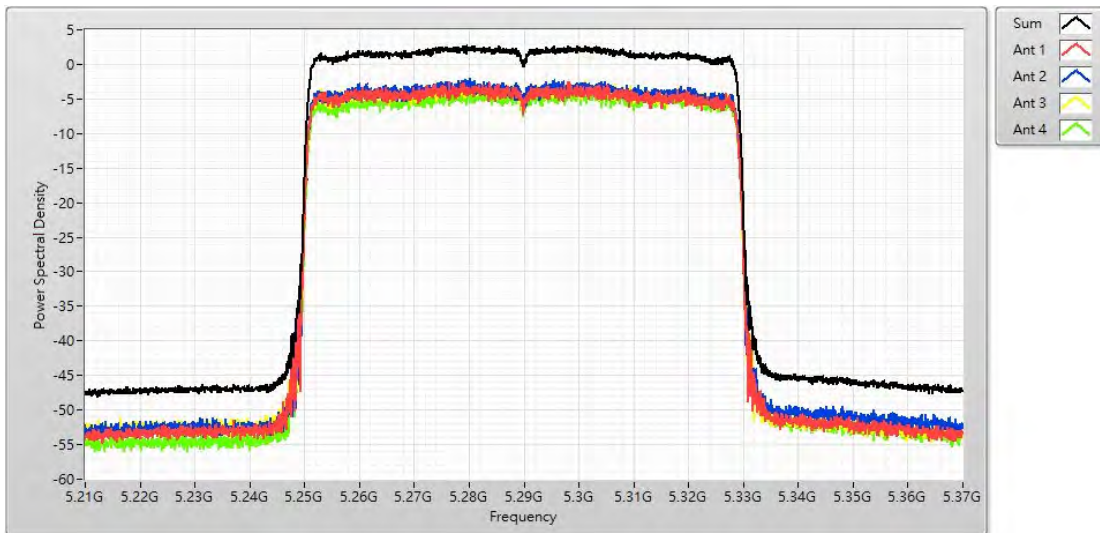
IEEE 802.11ax (80MHz)							
Channel No.	Frequency (MHz)	Measure Level (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
42	5210	1.400	1.120	1.520	0.740	6.630	$\leq 13.422$
58	5290	-2.530	-2.060	-2.420	-3.650	2.710	$\leq 7.422$
106	5530	-2.460	-2.110	-1.860	-3.240	2.830	$\leq 7.422$
122	5610	-2.500	-2.400	-2.480	-3.460	2.800	$\leq 7.422$
155	5775	-1.390	-0.510	-0.690	-1.300	4.300	$\leq 26.422$



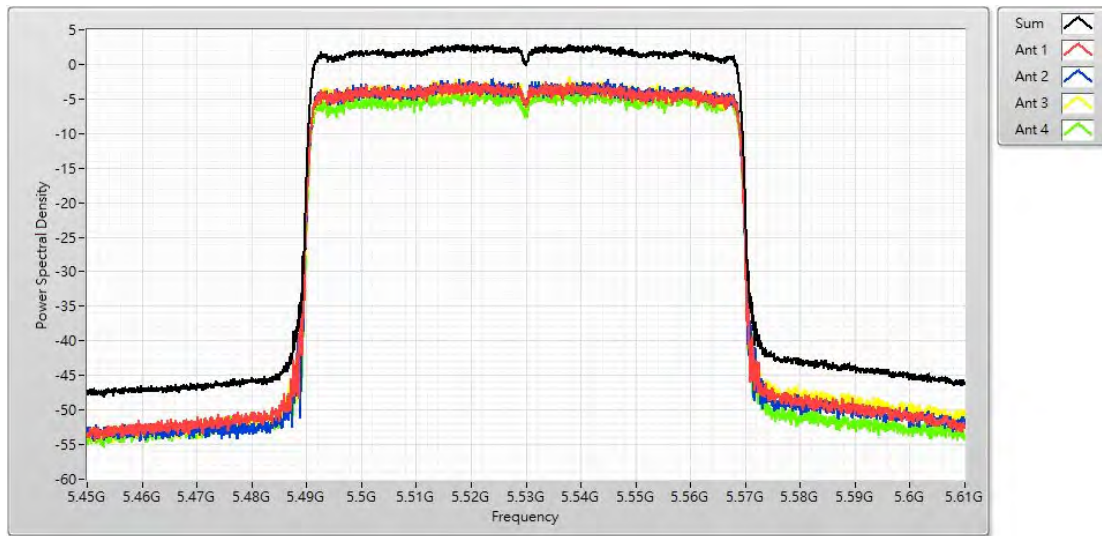
Channel 42 (5210MHz)



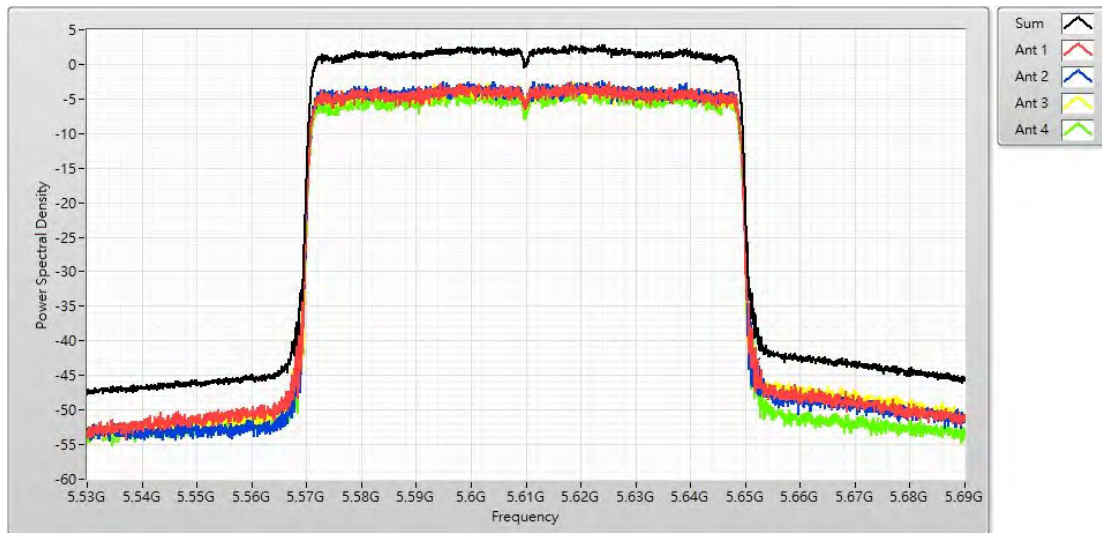
Channel 58 (5290MHz)



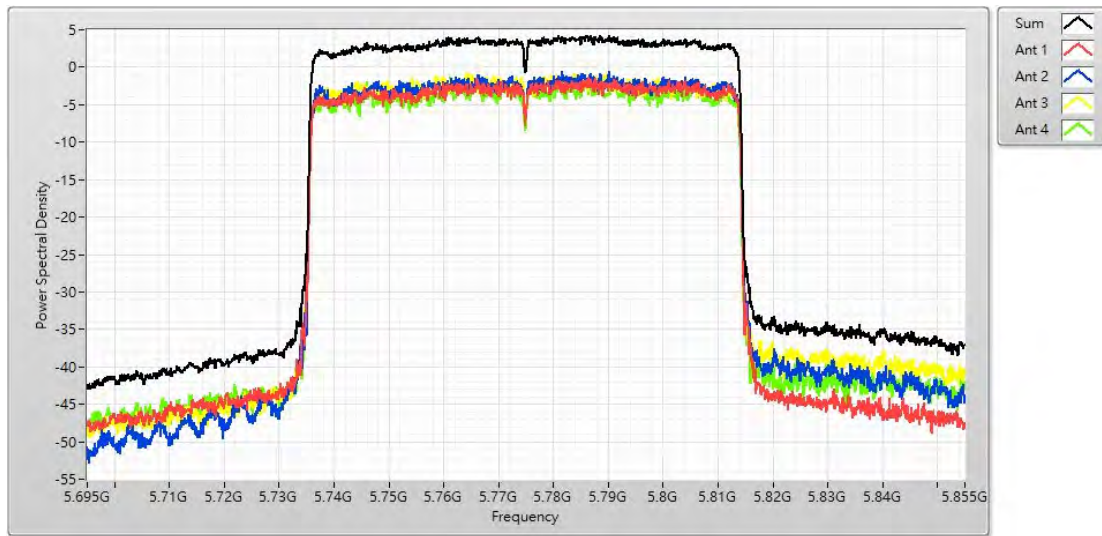
Channel 106 (5530MHz)



Channel 122 (5610MHz)



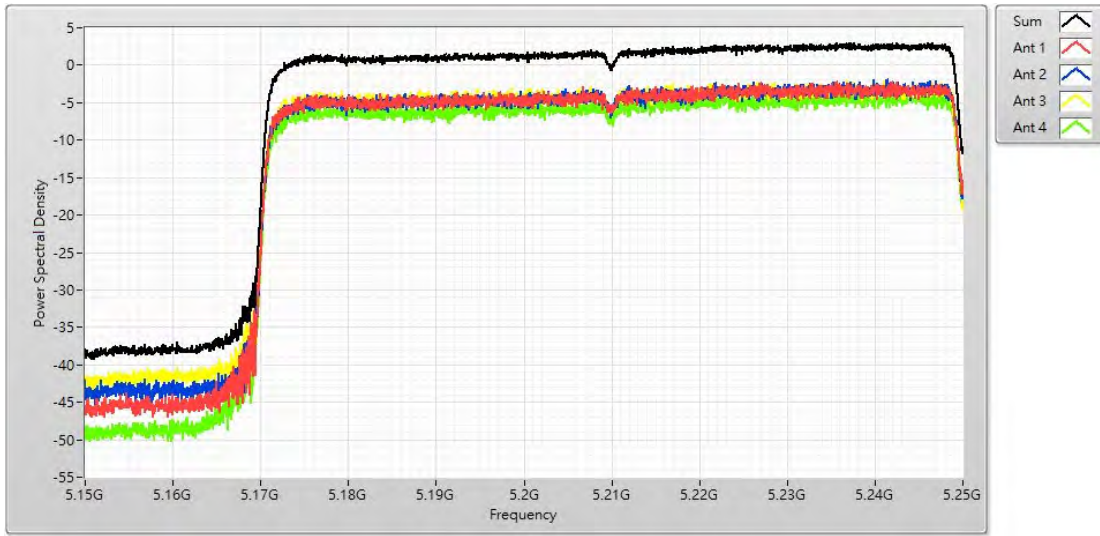
### Channel 155 (5775MHz)



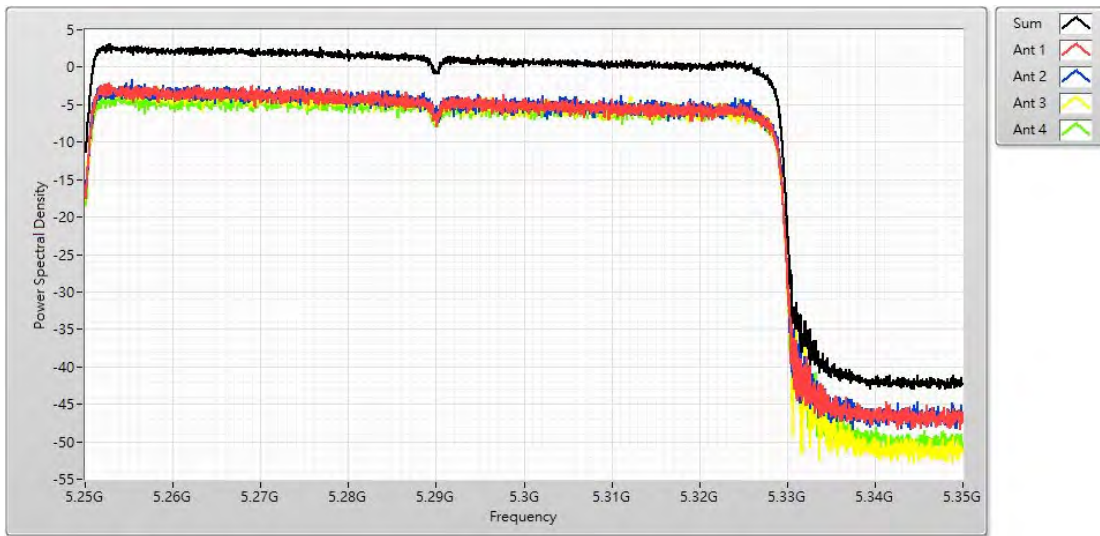
Product	Mesh Wi-Fi Router		
Test Item	Maximum power spectral density		
Test Mode	Mode 3: Transmit_BF		
Date of Test	2021/06/25	Test Site	SR12-H
Temperature (°C)	24	Humidity (%RH)	66

IEEE 802.11ax (160MHz)							
Channel No.	Frequency (MHz)	Measure Level (dBm)					Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	
50	5250 (Band 1)	-2.240	-1.910	-2.120	-3.280	3.050	$\leq 13.422$
	5250 (Band 2)	-2.100	-1.580	-2.570	-3.290	3.130	$\leq 7.422$
114	5570	-5.370	-4.770	-5.140	-5.990	0.270	$\leq 7.422$

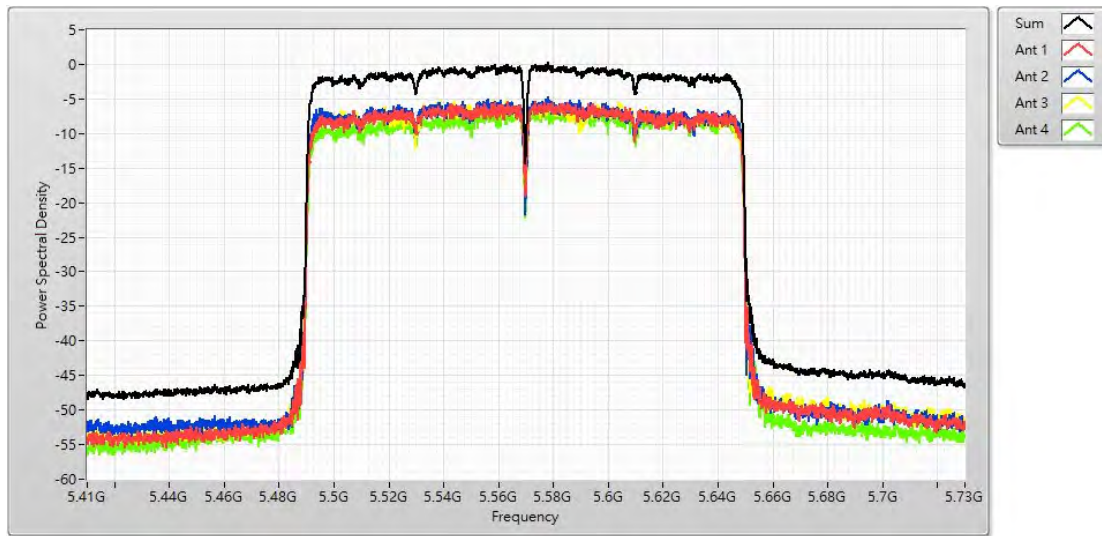
### Channel 50 (5250MHz (Band 1))



### Channel 50 (5250MHz (Band 1))



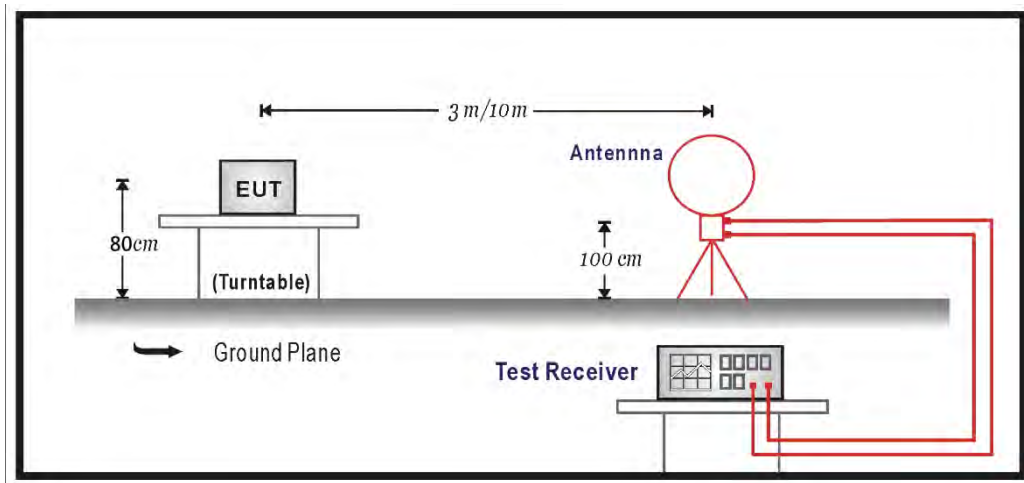
### Channel 114 (5570MHz)



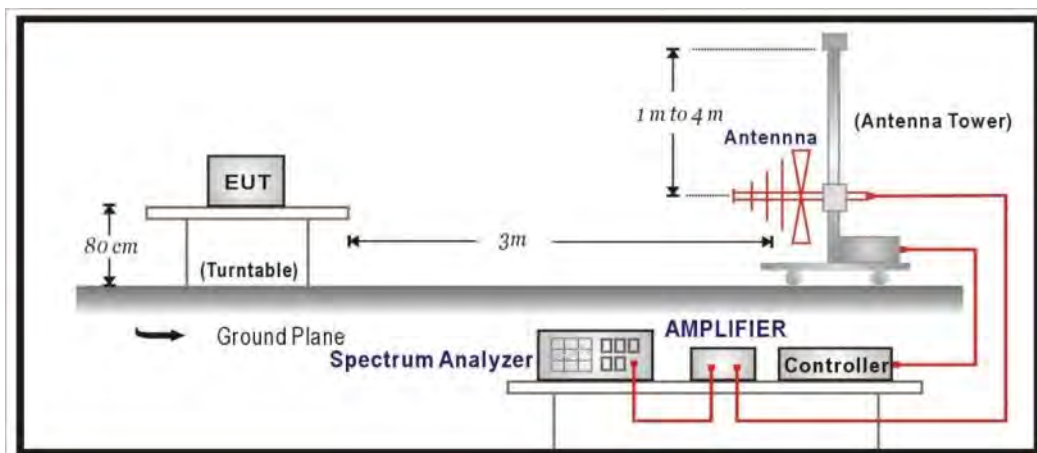
## 5. Radiated Emission

### 5.1. Test Setup

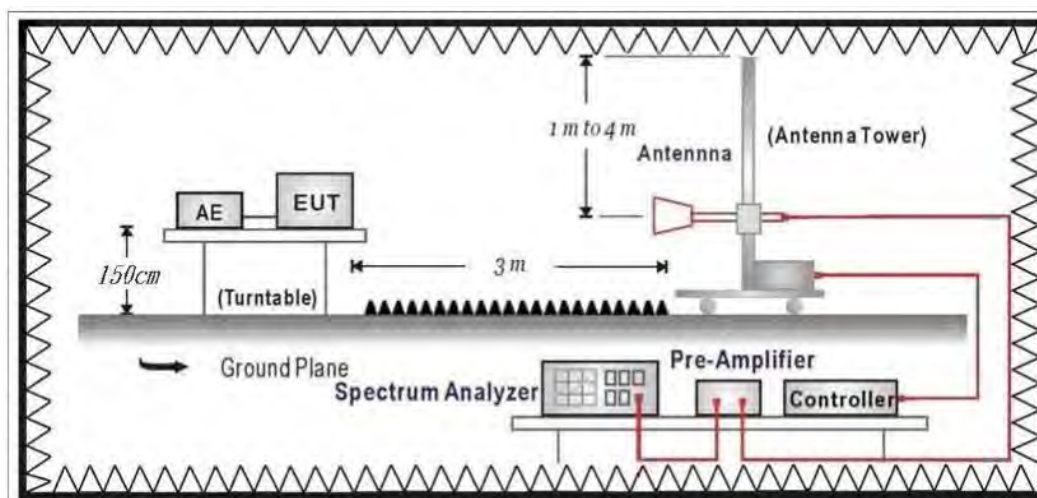
Under 30MHz Test Setup:



Under 1GHz Test Setup:



Above 1GHz Test Setup:



## 5.2. Limits

### ➤ General Radiated Emission Limits

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remark:

1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

### ➤ Unwanted Emission out of the restricted bands Limits

FCC Part 15 Subpart C Paragraph 15.407(b) Limits		
Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength (dBuV/m@3m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3
5725 - 5850	-27 (Note1)	68.3
	-17 (Note2)	78.3

Remark:

1. For frequencies more than 10 MHz above or below the band edges.
2. For frequency range from the band edges to 10 MHz above or below the band edges.

$$3. \quad uV/m = \frac{1000000\sqrt{30 \times EIRP}}{3}, \text{ RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)}$$



### 5.3. Test Procedure

The EUT and its simulators are placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

The additional latch filter below 1GHz was used to measure the level of harmonics radiated emission during field strength of harmonics measurement.

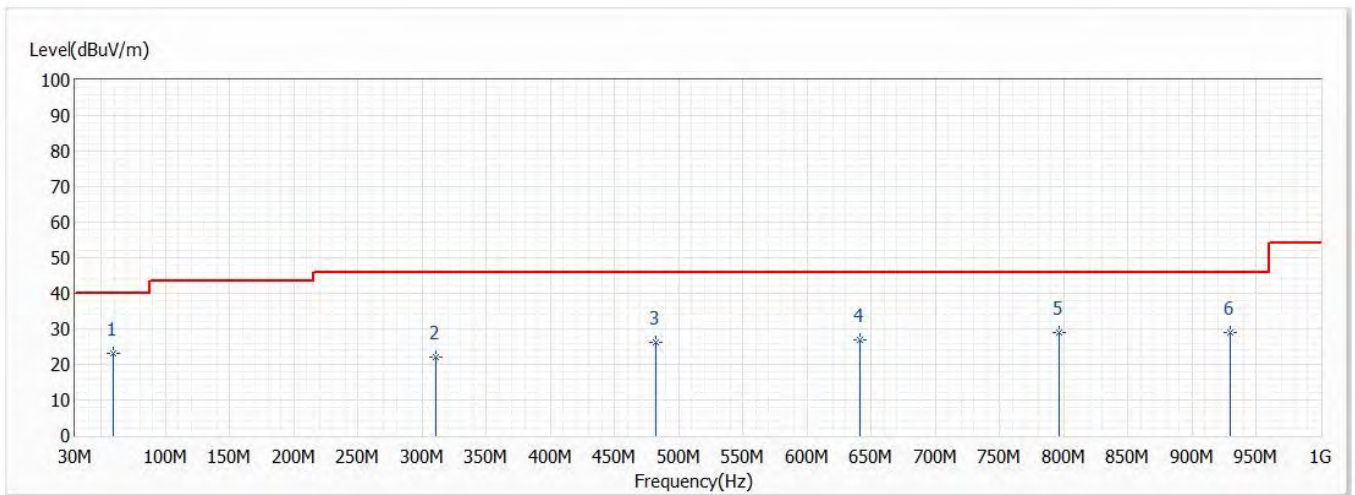
The bandwidth below 1GHz setting on the field strength meter is 120 KHz, above 1GHz are 1 MHz.

The frequency range from 30MHz to 10th harmonics is checked.

### 5.4. Test Result

#### 30MHz-1GHz

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/31
Test Mode	Mode 1: Transmit_Non-BF_EBM522U (Adapter 1)	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 157,5.785G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

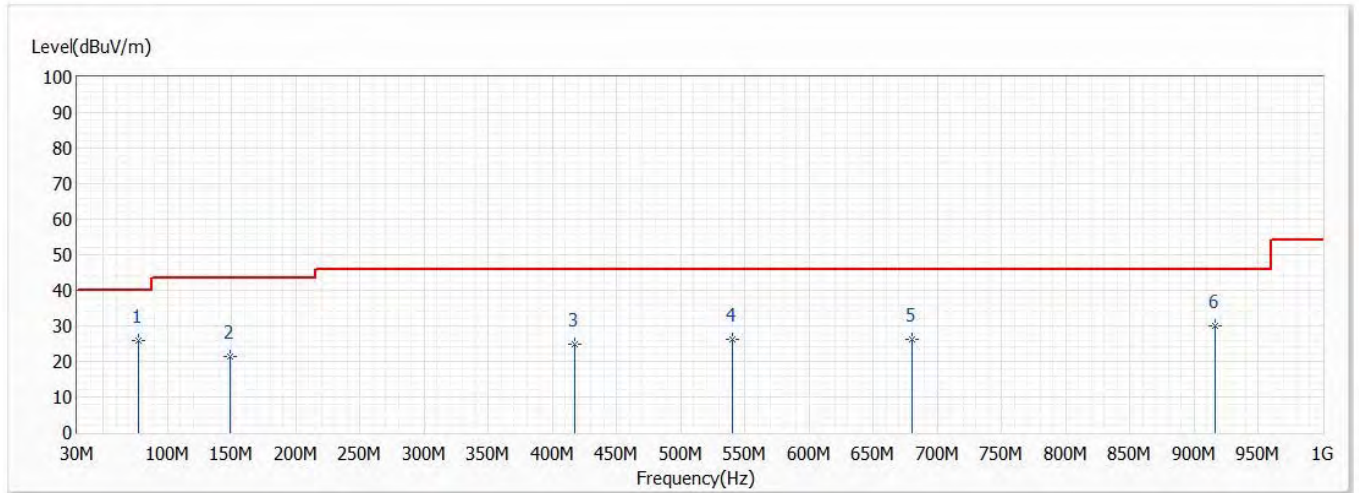


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	59.100	23.03	40.00	-16.97	33.46	-10.43	QP
2	310.815	22.07	46.00	-23.93	24.61	-2.54	QP
3	482.505	26.17	46.00	-19.83	24.20	1.97	QP
4	641.585	26.86	46.00	-19.14	22.61	4.25	QP
5	796.300	28.89	46.00	-17.11	23.43	5.46	QP
6	929.675	28.98	46.00	-17.02	22.16	6.82	QP

Note:

1. All reading levels is Quasi-Peak value.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor
4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/31
Test Mode	Mode 1: Transmit_Non-BF_EBM522U (Adapter 1)	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 157,5.785G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

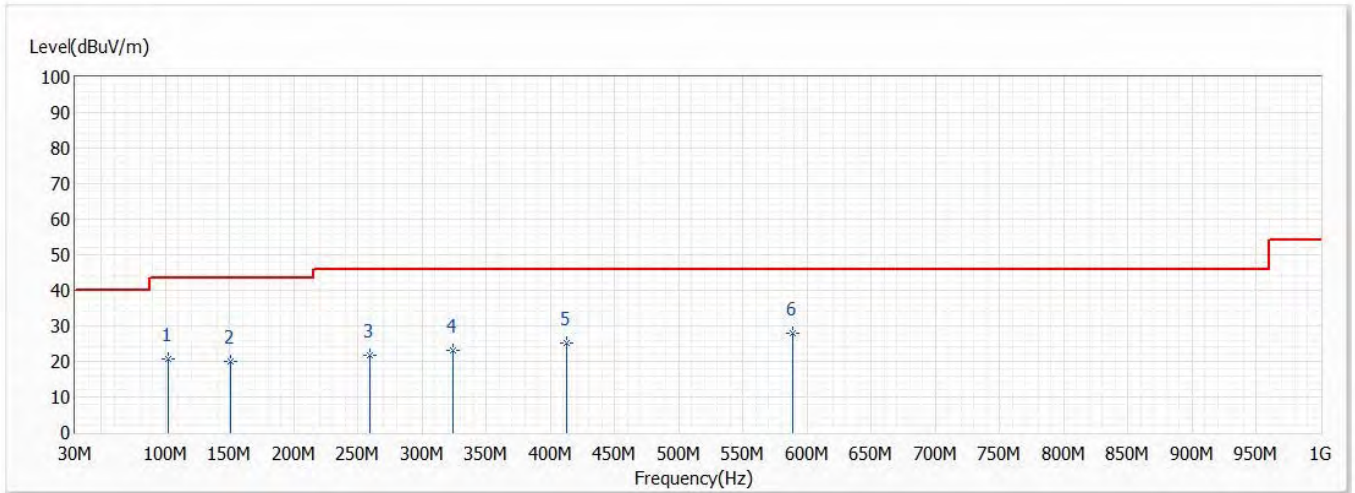


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	77.530	25.88	40.00	-14.12	35.61	-9.73	QP
2	148.825	21.34	43.50	-22.16	27.23	-5.89	QP
3	417.515	24.94	46.00	-21.06	24.09	0.85	QP
4	540.220	26.07	46.00	-19.93	22.64	3.43	QP
5	679.900	26.13	46.00	-19.87	21.98	4.15	QP
6	916.095	30.07	46.00	-15.93	23.41	6.66	QP

Note:

1. All reading levels is Quasi-Peak value.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor
4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/19
Test Mode	Mode 1: Transmit_Non-BF_EBM522U (Adapter 2)	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 157,5.785G,BW20M (AE180AAE00)	Humidity (%RH)	58.0

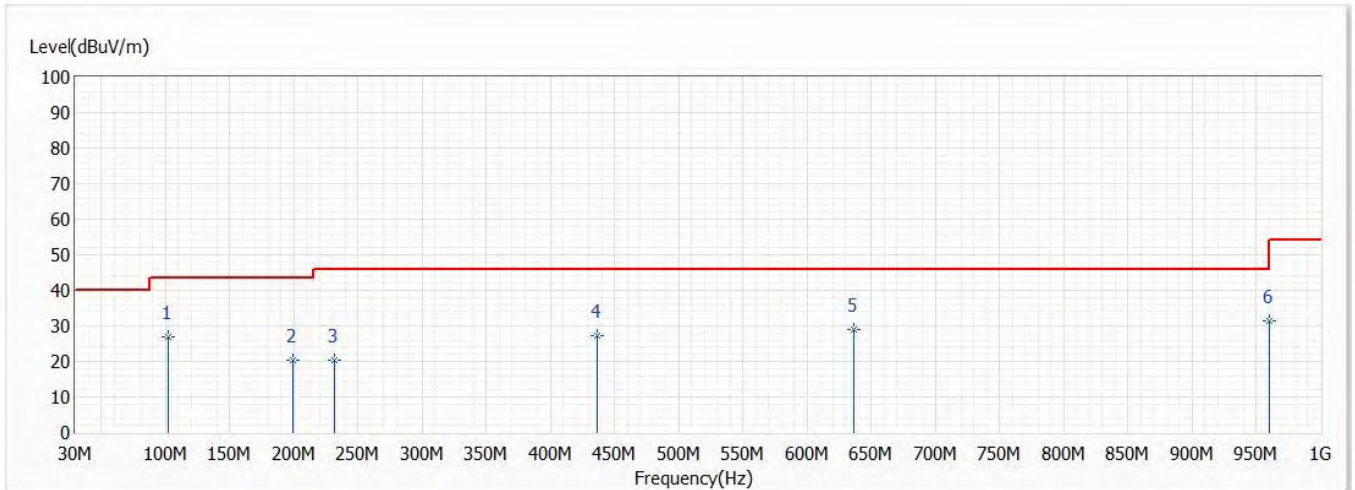


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	102.265	20.66	43.50	-22.84	25.63	-4.97	QP
2	150.765	20.00	43.50	-23.50	26.03	-6.03	QP
3	259.405	21.85	46.00	-24.15	24.72	-2.87	QP
4	323.910	23.24	46.00	-22.76	25.45	-2.21	QP
5	412.665	25.06	46.00	-20.94	24.34	0.72	QP
* 6	589.205	27.95	46.00	-18.05	24.28	3.67	QP

Note:

1. All reading levels is Quasi-Peak value.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor
4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/19
Test Mode	Mode 1: Transmit_Non-BF_EBM522U (Adapter 2)	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 157,5.785G,BW20M (AE180AAE00)	Humidity (%RH)	58.0

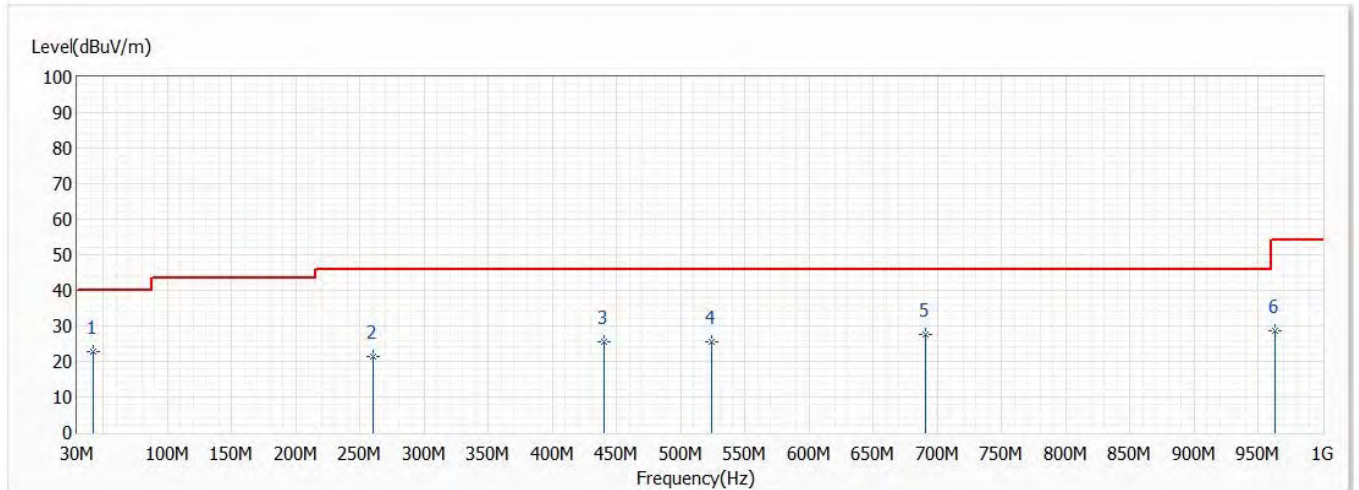


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	102.750	26.90	43.50	-16.60	31.97	-5.07	QP
2	199.750	20.49	43.50	-23.01	27.53	-7.04	QP
3	232.245	20.37	46.00	-25.63	26.23	-5.86	QP
4	436.915	27.12	46.00	-18.88	26.06	1.06	QP
5	636.735	28.85	46.00	-17.15	24.55	4.30	QP
6	960.230	31.44	54.00	-22.56	24.29	7.15	QP

Note:

1. All reading levels is Quasi-Peak value.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor
4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/31
Test Mode	Mode 2: Transmit_Non-BF_EBM522 (Adapter 1)	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 157,5.785G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

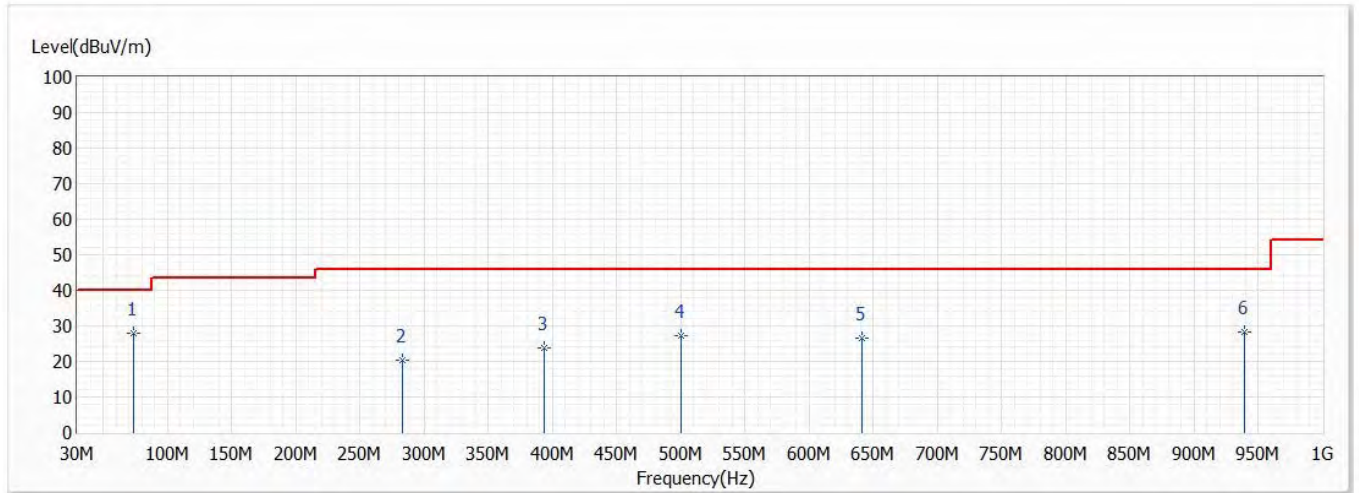


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	42.610	22.88	40.00	-17.12	27.49	-4.61	QP
2	260.375	21.31	46.00	-24.69	24.18	-2.87	QP
3	440.310	25.39	46.00	-20.61	24.32	1.07	QP
4	523.730	25.43	46.00	-20.57	23.00	2.43	QP
5	691.055	27.53	46.00	-18.47	23.45	4.08	QP
6	963.140	28.75	54.00	-25.25	21.59	7.16	QP

Note:

1. All reading levels is Quasi-Peak value.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor
4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/31
Test Mode	Mode 2: Transmit_Non-BF_EBM522 (Adapter 1)	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 157,5.785G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

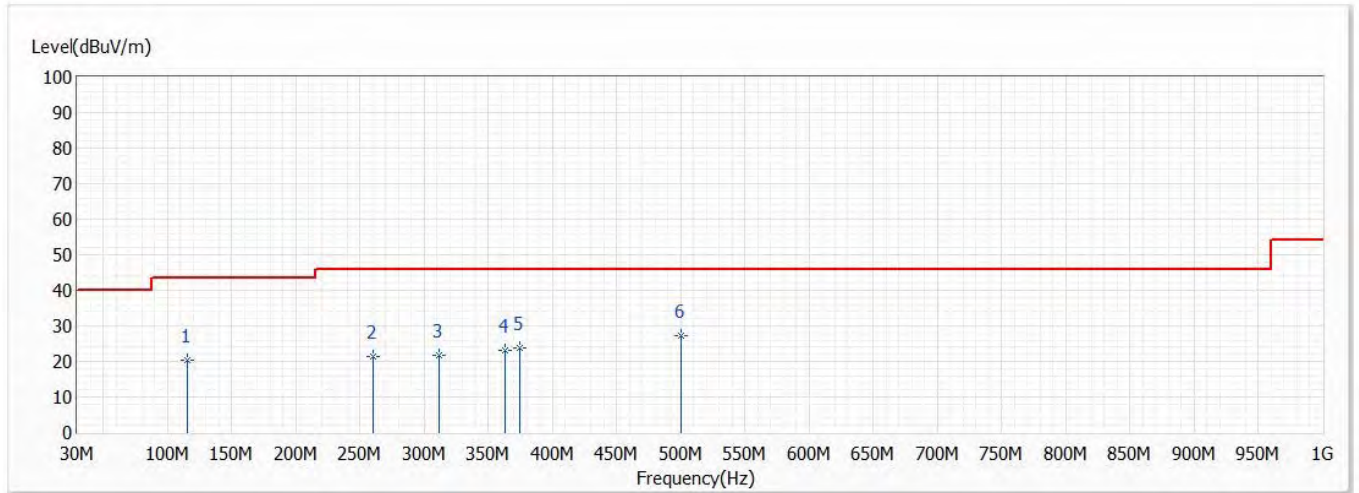


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	73.650	27.96	40.00	-12.04	38.10	-10.14	QP
2	283.170	20.41	46.00	-25.59	23.66	-3.25	QP
3	393.265	23.96	46.00	-22.04	24.13	-0.17	QP
4	499.965	27.13	46.00	-18.87	24.96	2.17	QP
5	641.100	26.46	46.00	-19.54	22.21	4.25	QP
6	938.890	28.19	46.00	-17.81	21.23	6.96	QP

Note:

1. All reading levels is Quasi-Peak value.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor
4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/19
Test Mode	Mode 2: Transmit_Non-BF_EBM522 (Adapter 2)	Engineer	Ling Chen
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 157,5.785G,BW20M (AE180AAE00)	Humidity (%RH)	58.0



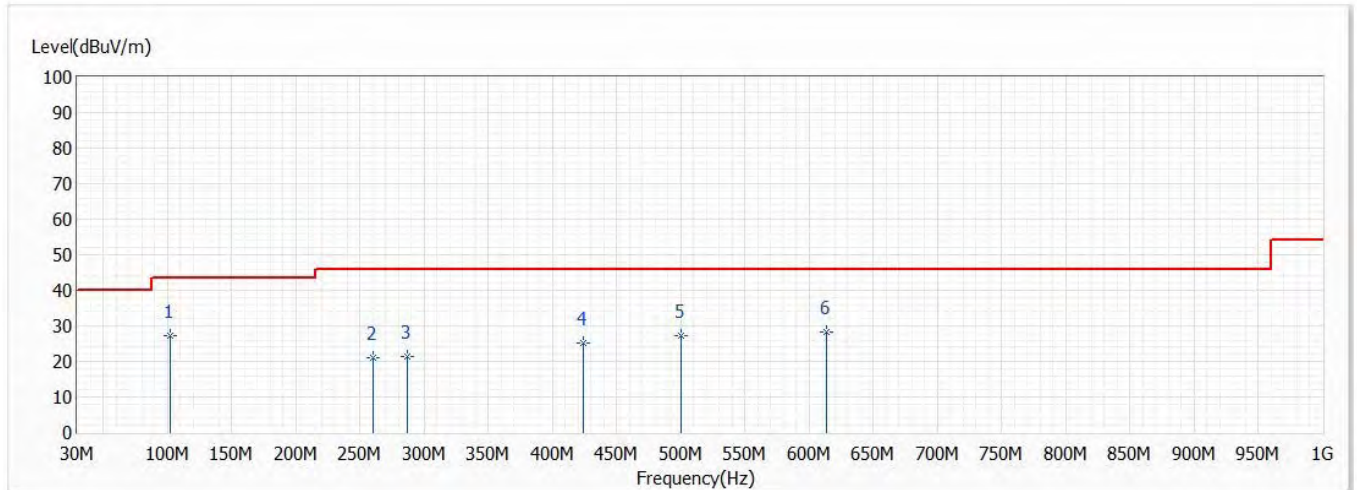
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	115.845	20.28	43.50	-23.22	24.44	-4.16	QP
2	260.375	21.31	46.00	-24.69	24.18	-2.87	QP
3	311.785	21.89	46.00	-24.11	24.39	-2.50	QP
4	362.710	22.99	46.00	-23.01	24.12	-1.13	QP
5	374.350	23.87	46.00	-22.13	24.73	-0.86	QP
* 6	499.965	27.14	46.00	-18.86	24.97	2.17	QP

Note:

1. All reading levels is Quasi-Peak value.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor
4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.



Model No	EBM522	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/19
Test Mode	Mode 2: Transmit_Non-BF_EBM522 (Adapter 2)	Engineer	Ling Chen
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 157,5.785G,BW20M (AE180AAE00)	Humidity (%RH)	58.0



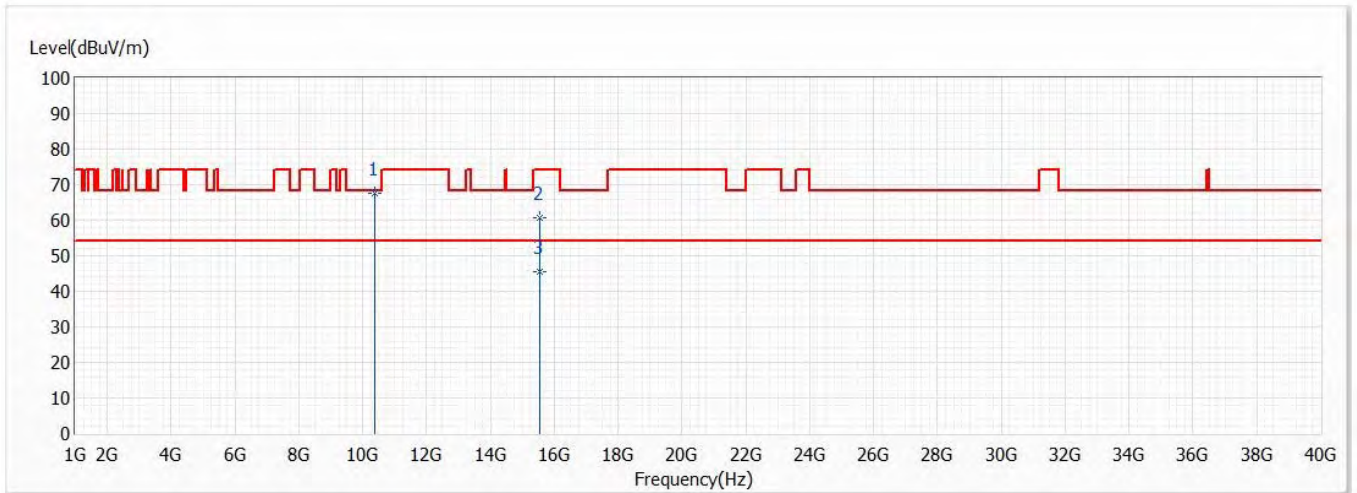
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	102.265	27.33	43.50	-16.17	32.30	-4.97	QP
2	260.375	20.99	46.00	-25.01	23.86	-2.87	QP
3	286.565	21.54	46.00	-24.46	24.65	-3.11	QP
4	423.820	25.03	46.00	-20.97	24.12	0.91	QP
5	499.965	27.13	46.00	-18.87	24.96	2.17	QP
6	613.455	28.17	46.00	-17.83	24.14	4.03	QP

Note:

1. All reading levels is Quasi-Peak value.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor
4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

**Harmonic & Spurious:**

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/7
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 36,5.18G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

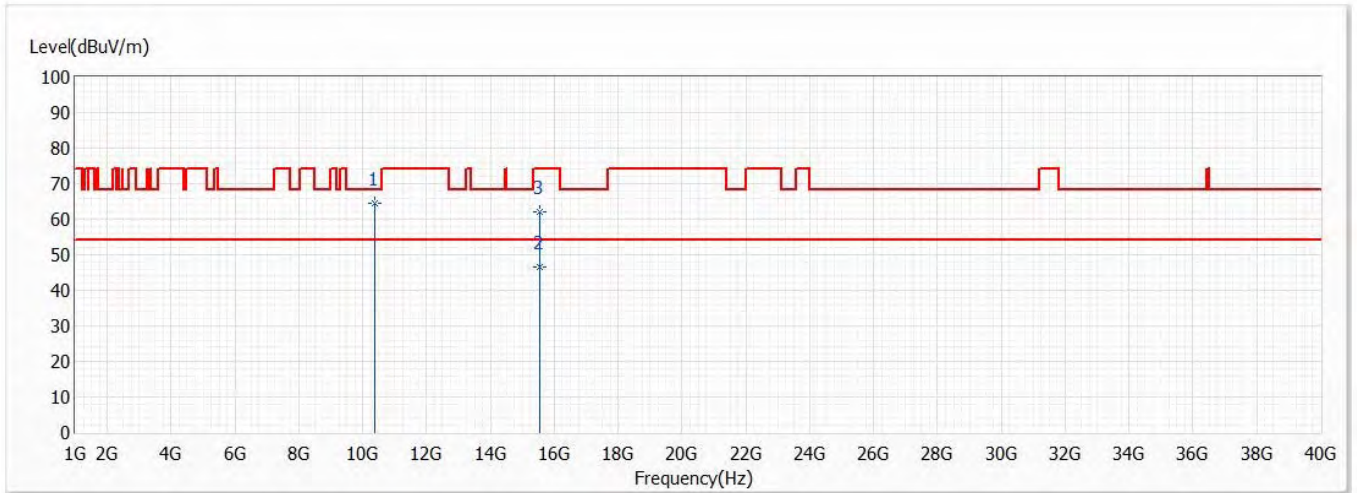


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	10360.000	67.70	68.20	-0.50	54.97	12.73	PK
2	15540.000	60.80	74.00	-13.20	47.52	13.28	PK
3	15540.000	45.45	54.00	-8.55	32.17	13.28	AV

**Note:**

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/7
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 36,5.18G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

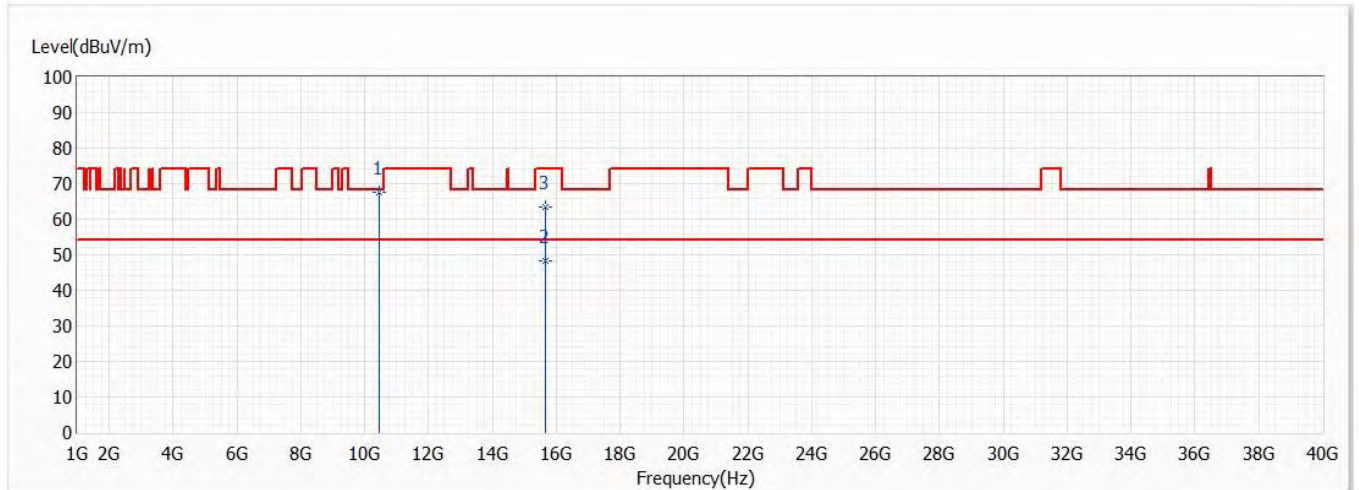


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	10360.000	64.62	68.20	-3.58	51.89	12.73	PK
2	15540.000	46.52	54.00	-7.48	33.24	13.28	AV
3	15540.000	61.94	74.00	-12.06	48.66	13.28	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/7
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 44,5.22G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

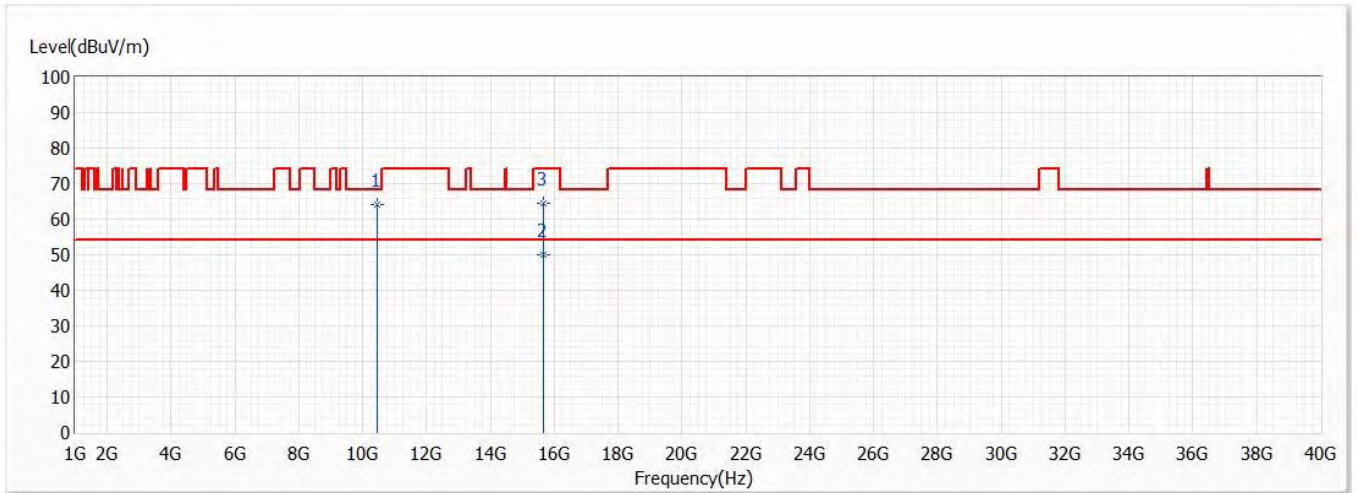


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	10440.000	67.63	68.20	-0.57	54.76	12.87	PK
2	15660.000	48.21	54.00	-5.79	35.28	12.93	AV
3	15660.000	63.55	74.00	-10.45	50.62	12.93	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/7
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 44,5.22G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

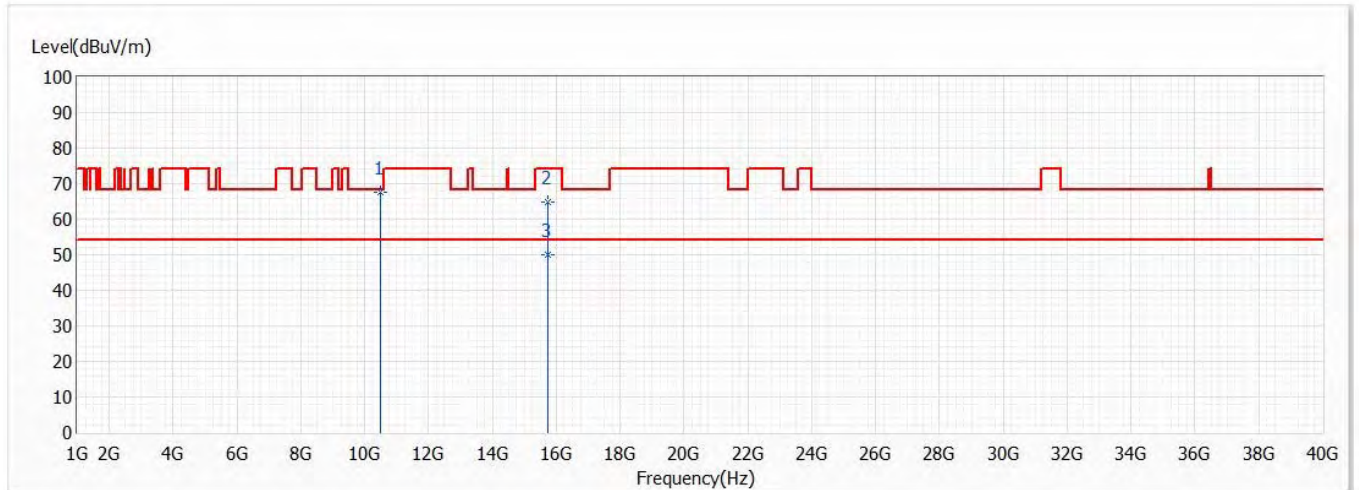


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	10440.000	64.15	68.20	-4.05	51.28	12.87	PK
2	15660.000	49.87	54.00	-4.13	36.94	12.93	AV
3	15660.000	64.33	74.00	-9.67	51.40	12.93	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/7
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 48,5.24G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

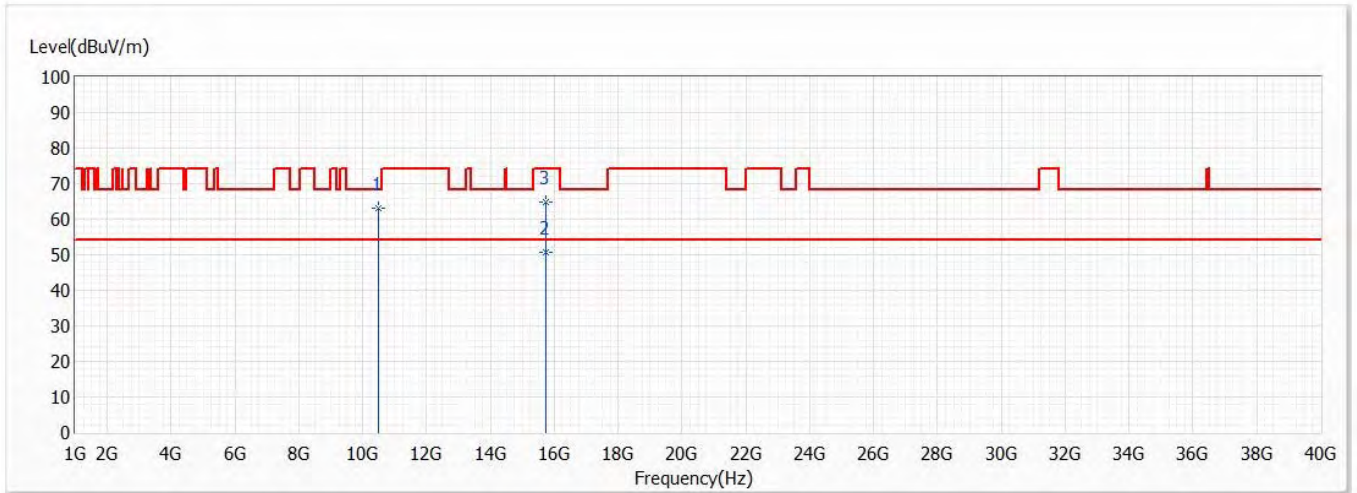


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	10480.000	67.62	68.20	-0.58	54.56	13.06	PK
2	15720.000	64.99	74.00	-9.01	52.17	12.82	PK
3	15720.000	50.12	54.00	-3.88	37.30	12.82	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/7
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 48,5.24G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

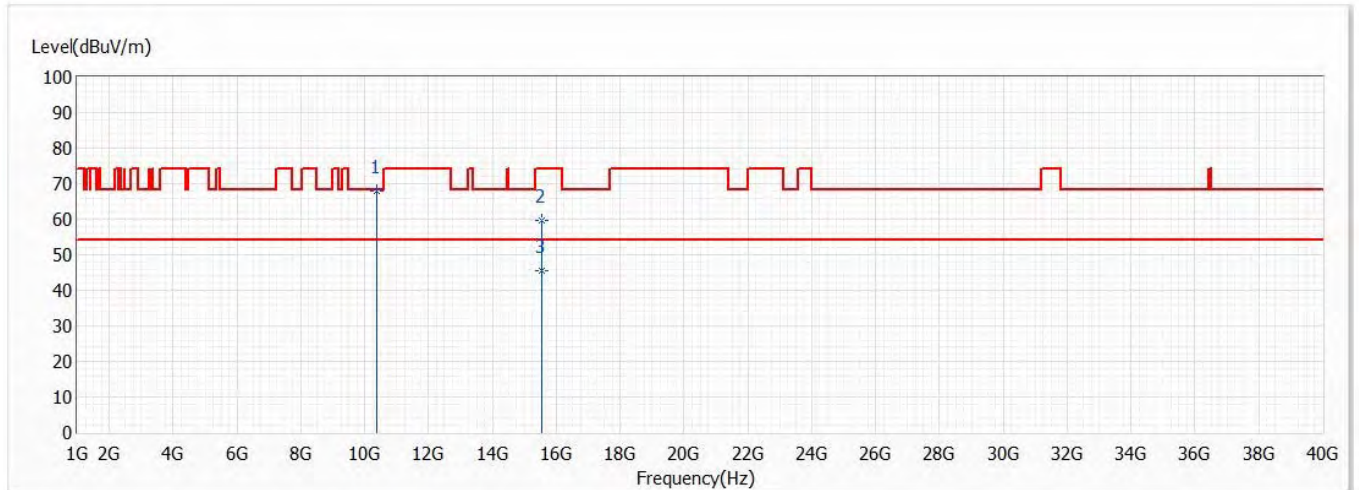


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	10480.000	63.25	68.20	-4.95	50.19	13.06	PK
* 2	15720.000	50.74	54.00	-3.26	37.92	12.82	AV
3	15720.000	64.74	74.00	-9.26	51.92	12.82	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/8
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11ax,Ant0+1+2+3,Ch 36,5.18G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0



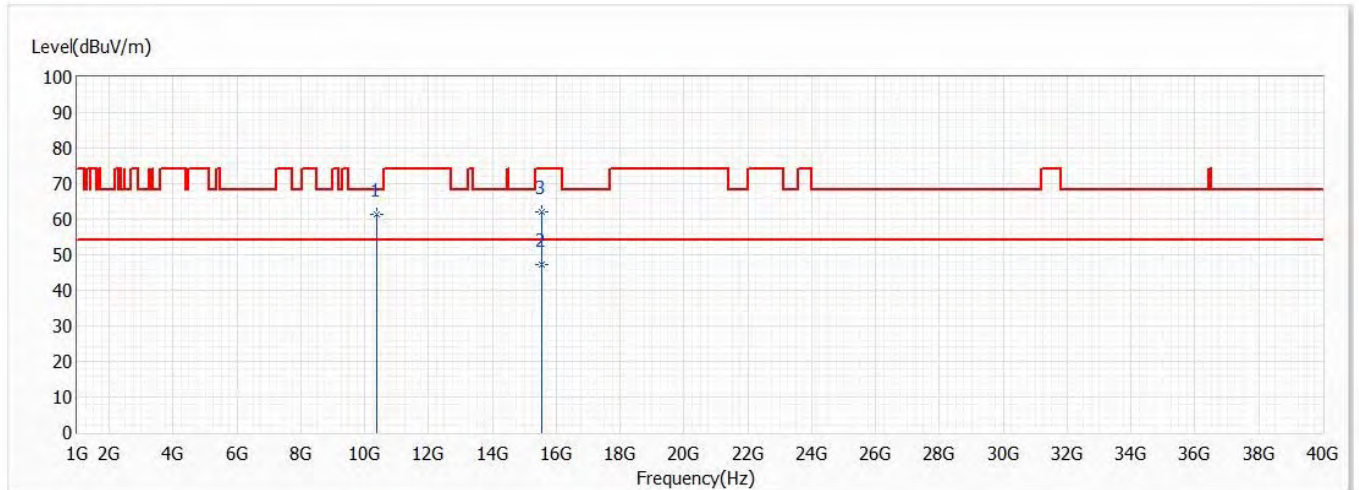
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	10360.000	67.88	68.20	-0.32	55.15	12.73	PK
2	15540.000	59.54	74.00	-14.46	46.26	13.28	PK
3	15540.000	45.54	54.00	-8.46	32.26	13.28	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.



Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/8
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11ax,Ant0+1+2+3,Ch 36,5.18G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

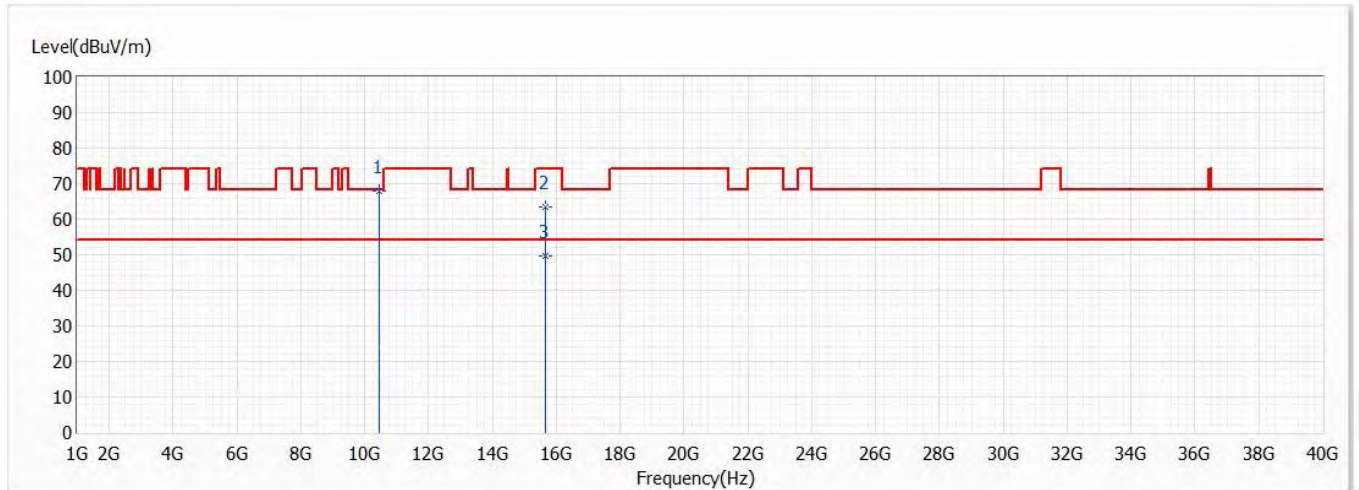


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	10360.000	61.31	68.20	-6.89	48.58	12.73	PK
* 2	15540.000	47.12	54.00	-6.88	33.84	13.28	AV
3	15540.000	62.18	74.00	-11.82	48.90	13.28	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/8
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11ax,Ant0+1+2+3,Ch 44,5.22G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

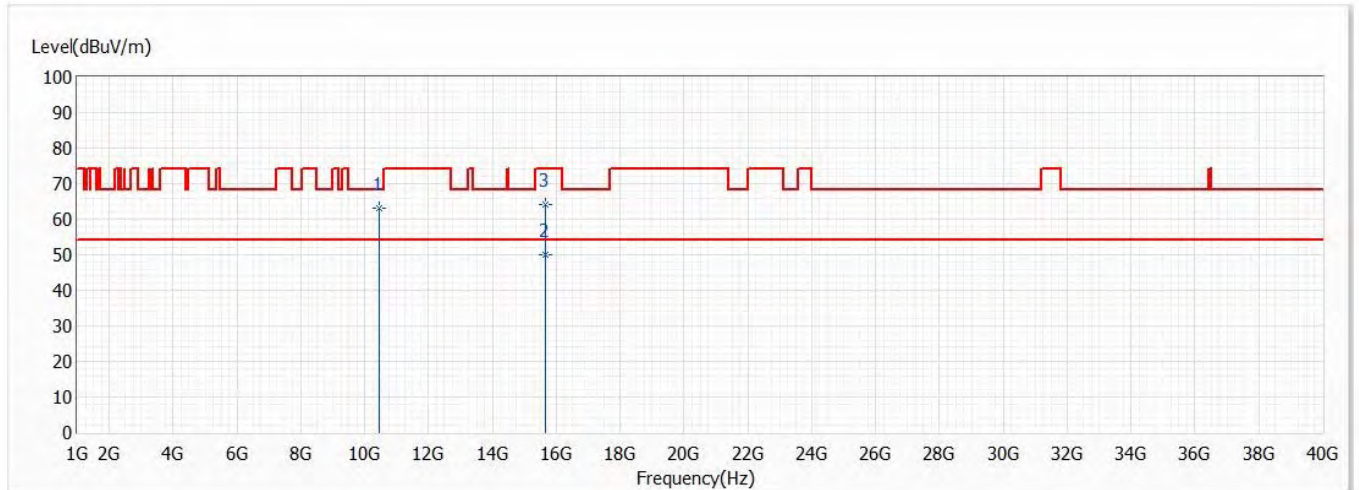


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	10440.000	67.94	68.20	-0.26	55.07	12.87	PK
2	15660.000	63.43	74.00	-10.57	50.50	12.93	PK
3	15660.000	49.54	54.00	-4.46	36.61	12.93	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/8
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11ax,Ant0+1+2+3,Ch 44,5.22G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

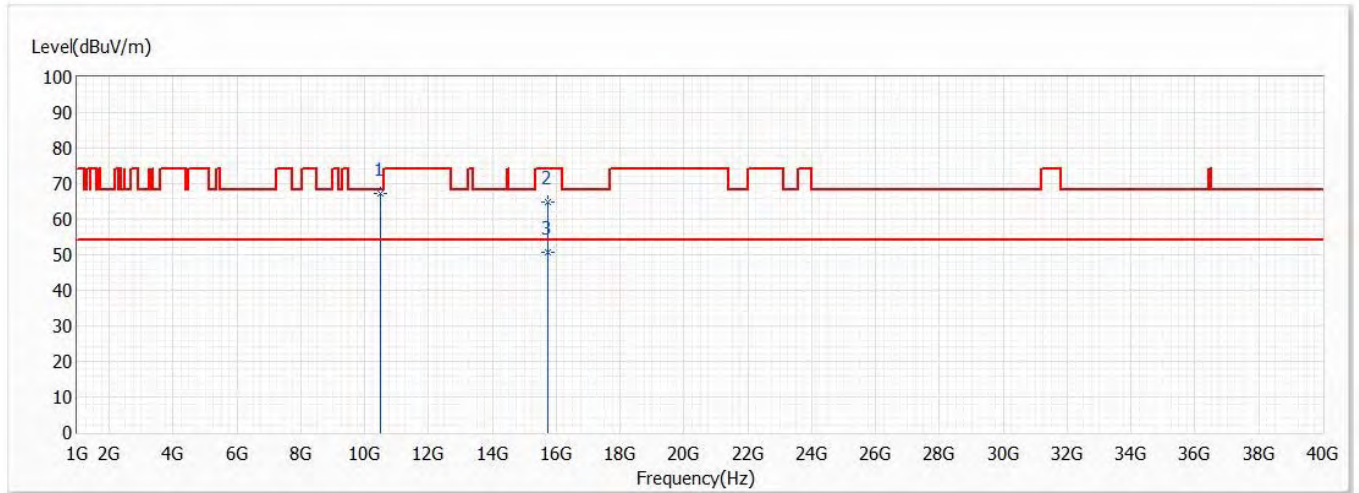


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	10440.000	63.27	68.20	-4.93	50.40	12.87	PK
* 2	15660.000	49.88	54.00	-4.12	36.95	12.93	AV
3	15660.000	64.29	74.00	-9.71	51.36	12.93	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/8
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11ax,Ant0+1+2+3,Ch 48,5.24G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

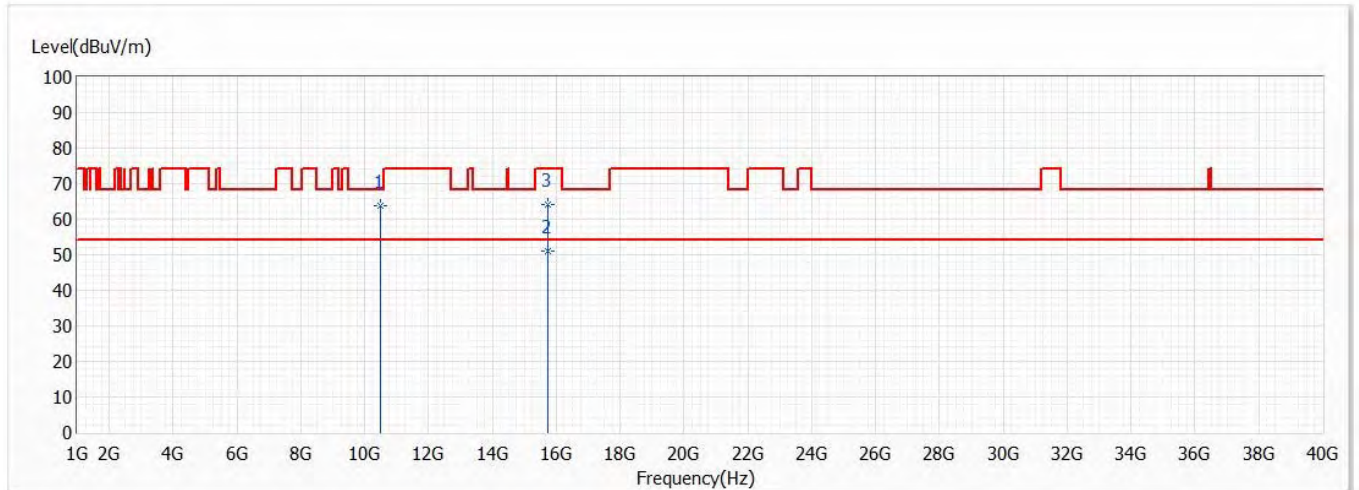


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	10480.000	67.34	68.20	-0.86	54.28	13.06	PK
2	15720.000	64.71	74.00	-9.29	51.89	12.82	PK
3	15720.000	50.61	54.00	-3.39	37.79	12.82	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/8
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11ax,Ant0+1+2+3,Ch 48,5.24G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

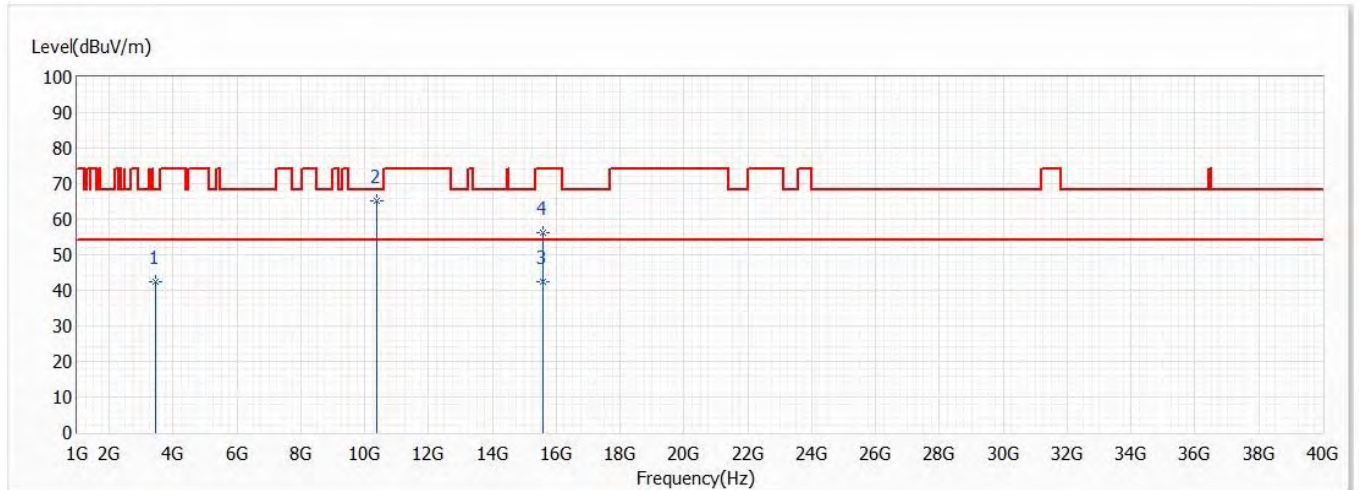


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	10480.000	63.79	68.20	-4.41	50.73	13.06	PK
* 2	15720.000	50.88	54.00	-3.12	38.06	12.82	AV
3	15720.000	64.29	74.00	-9.71	51.47	12.82	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/8
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11ax,Ant0+1+2+3,Ch 38,5.19G,BW40M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

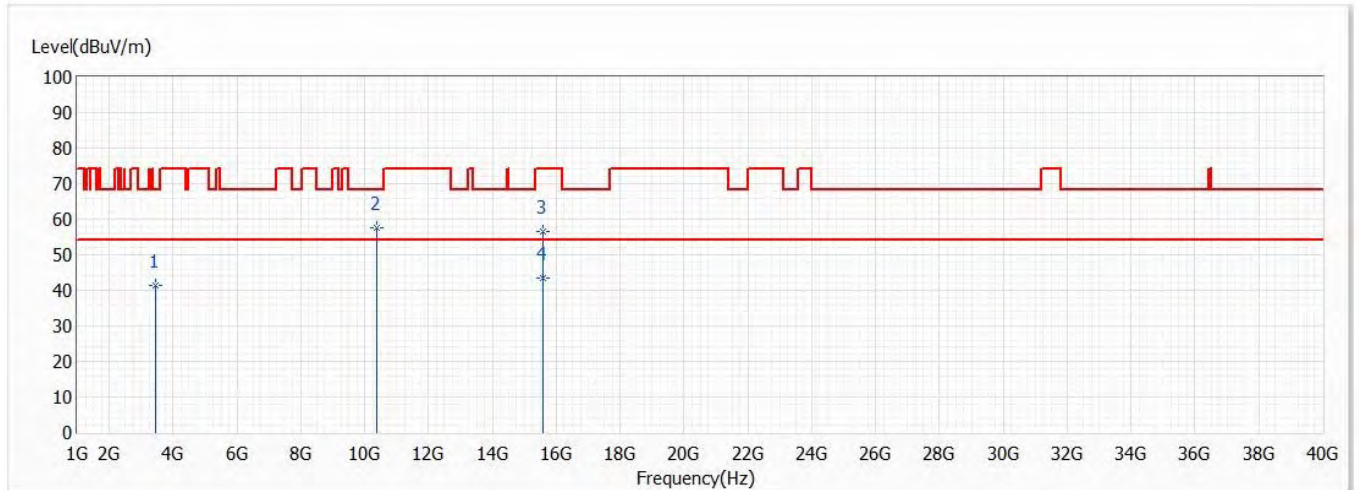


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3461.000	42.48	68.20	-25.72	48.60	-6.12	PK
* 2	10380.000	65.11	68.20	-3.09	52.40	12.71	PK
3	15570.000	42.55	54.00	-11.45	29.40	13.15	AV
4	15570.000	56.20	74.00	-17.80	43.05	13.15	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/8
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11ax,Ant0+1+2+3,Ch 38,5.19G,BW40M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

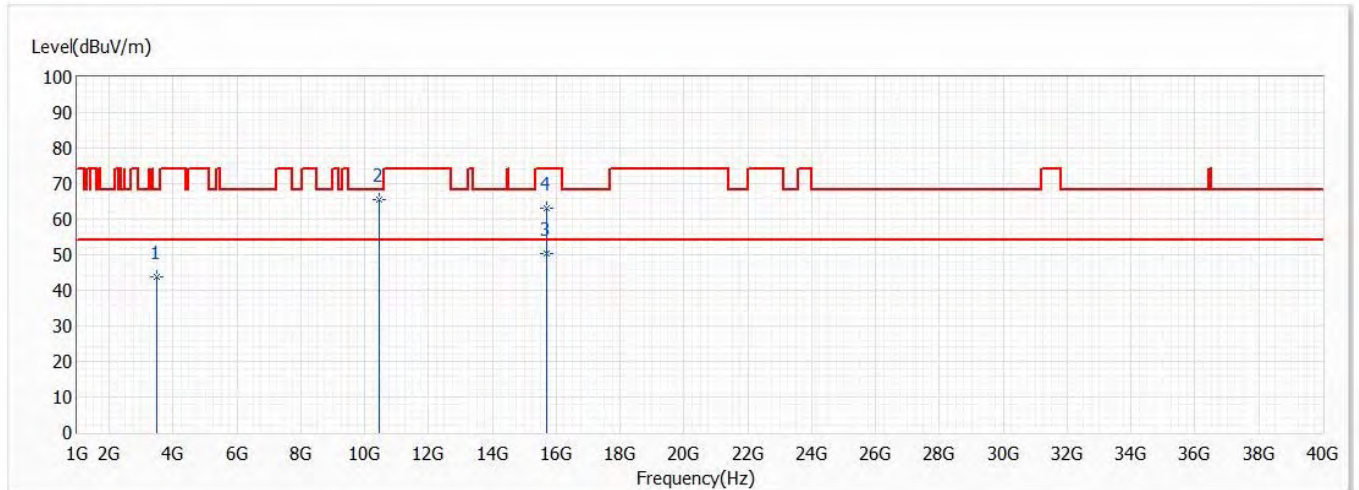


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3461.000	41.38	68.20	-26.82	47.50	-6.12	PK
2	10380.000	57.62	68.20	-10.58	44.91	12.71	PK
3	15570.000	56.53	74.00	-17.47	43.38	13.15	PK
* 4	15570.000	43.55	54.00	-10.45	30.40	13.15	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/8
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11ax,Ant0+1+2+3,Ch 46,5.23G,BW40M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0



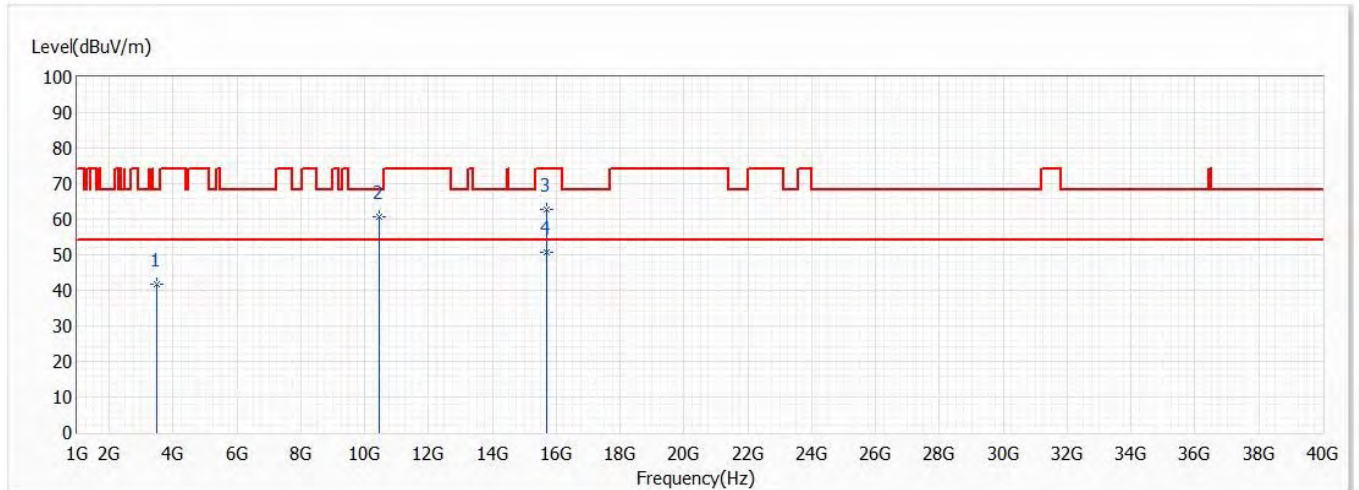
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3485.500	43.78	68.20	-24.42	49.58	-5.80	PK
* 2	10460.000	65.36	68.20	-2.84	52.40	12.96	PK
3	15690.000	50.19	54.00	-3.81	37.30	12.89	AV
4	15690.000	63.15	74.00	-10.85	50.26	12.89	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.



Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/8
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11ax,Ant0+1+2+3,Ch 46,5.23G,BW40M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

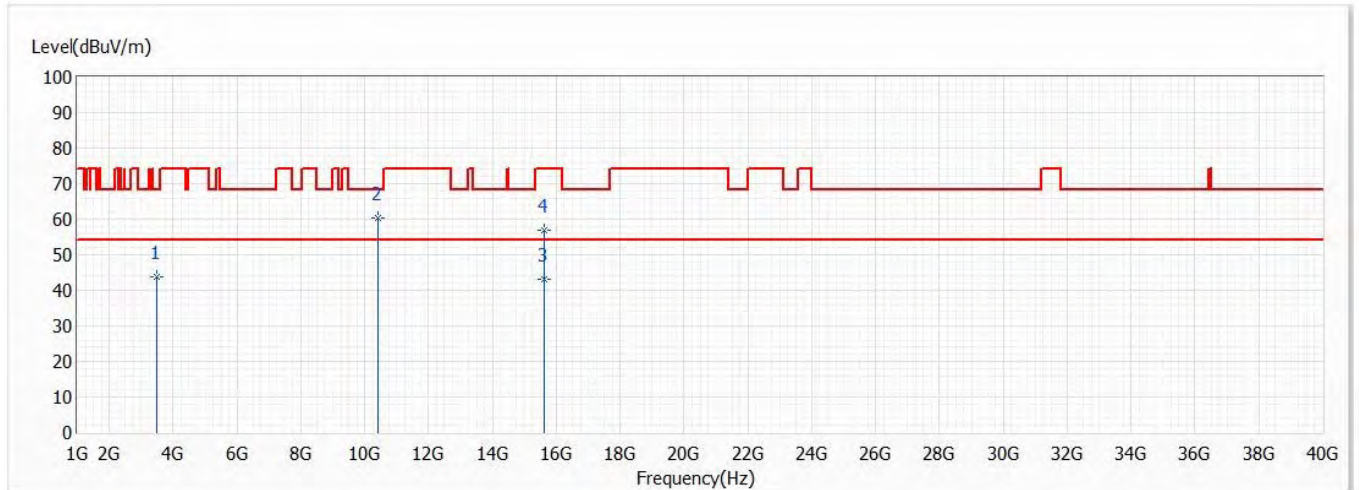


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3485.500	41.67	68.20	-26.53	47.47	-5.80	PK
2	10460.000	60.55	68.20	-7.65	47.59	12.96	PK
3	15690.000	62.73	74.00	-11.27	49.84	12.89	PK
* 4	15690.000	50.66	54.00	-3.34	37.77	12.89	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/8
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11ax,Ant0+1+2+3,Ch 42,5.21G,BW80M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

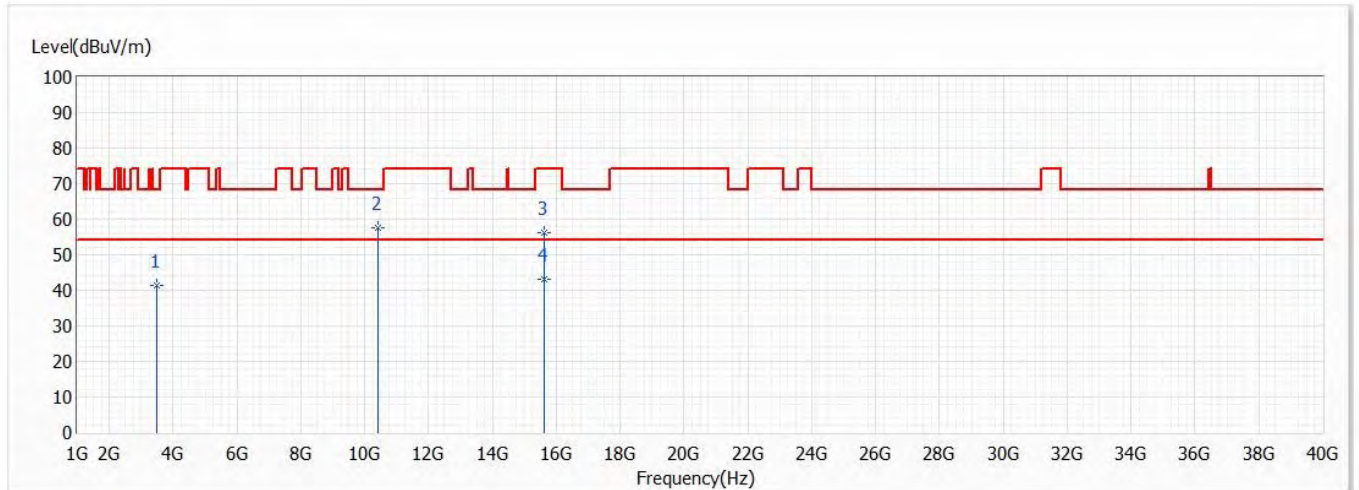


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3475.000	43.77	68.20	-24.43	49.71	-5.94	PK
* 2	10410.000	60.33	68.20	-7.87	47.61	12.72	PK
3	15630.000	43.23	54.00	-10.77	30.25	12.98	AV
4	15630.000	56.77	74.00	-17.23	43.79	12.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/8
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11ax,Ant0+1+2+3,Ch 42,5.21G,BW80M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

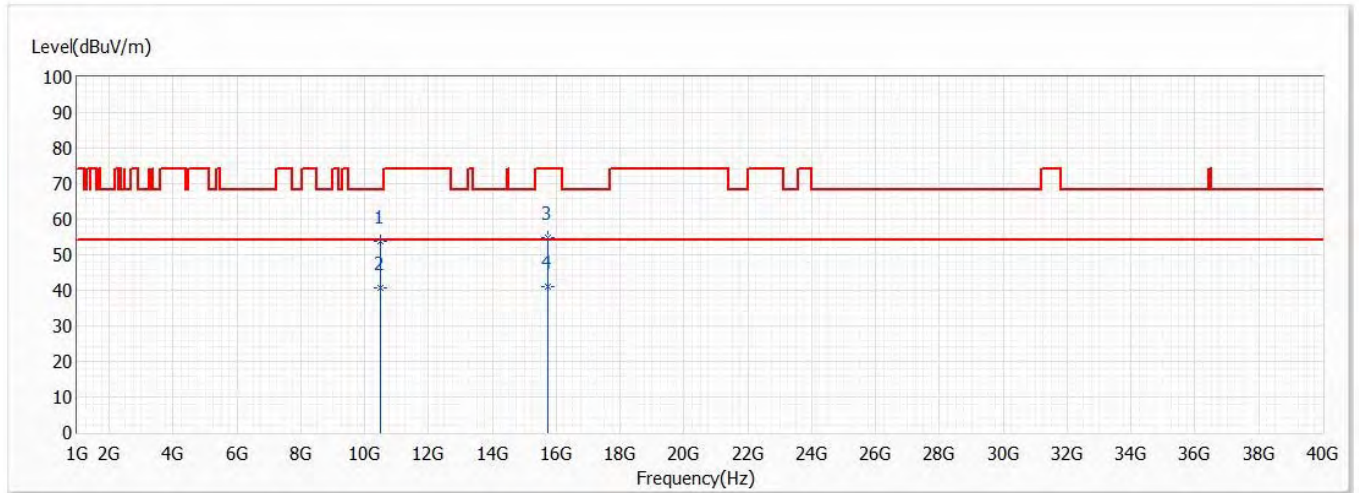


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3475.000	41.33	68.20	-26.87	47.27	-5.94	PK
* 2	10420.000	57.66	68.20	-10.54	44.89	12.77	PK
3	15630.000	56.33	74.00	-17.67	43.35	12.98	PK
4	15630.000	43.13	54.00	-10.87	30.15	12.98	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/6/22
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Clemens Fang
Polarity	Horizontal	Temperature (°C)	25.0
Test Condition	802.11ax,Ant0+1+2+3, Ch 50,5.25G,BW160M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	63.0

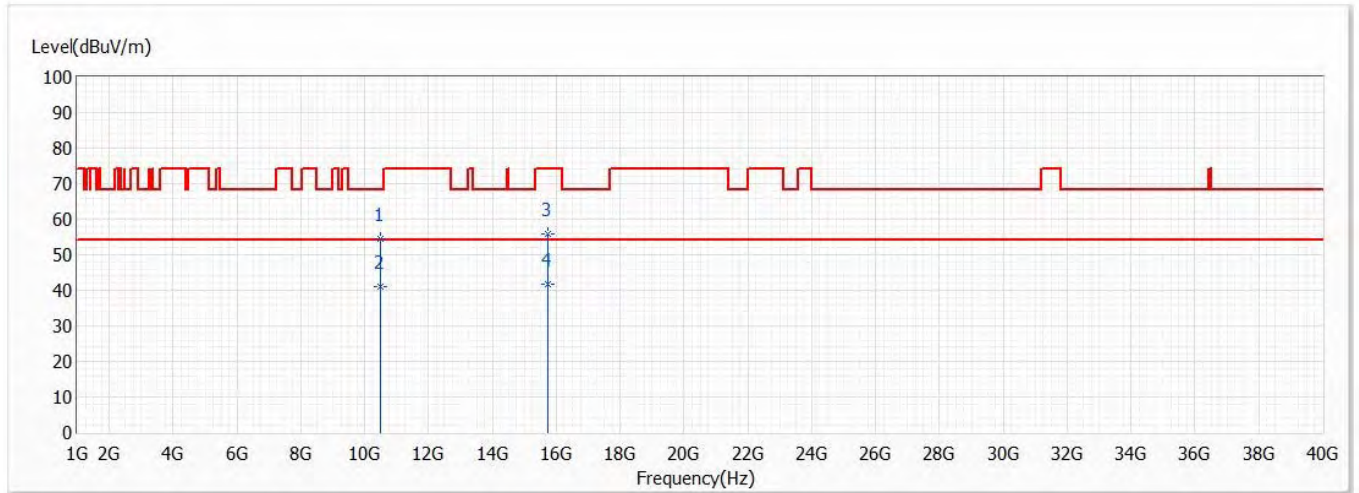


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	10500.000	53.83	68.20	-14.37	40.68	13.15	PK
2	10500.000	40.53	54.00	-13.47	27.38	13.15	AV
3	15750.000	54.78	74.00	-19.22	42.03	12.75	PK
* 4	15750.000	41.05	54.00	-12.95	28.30	12.75	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/6/22
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Clemens Fang
Polarity	Vertical	Temperature (°C)	25.0
Test Condition	802.11ax,Ant0+1+2+3, Ch 50,5.25G,BW160M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	63.0

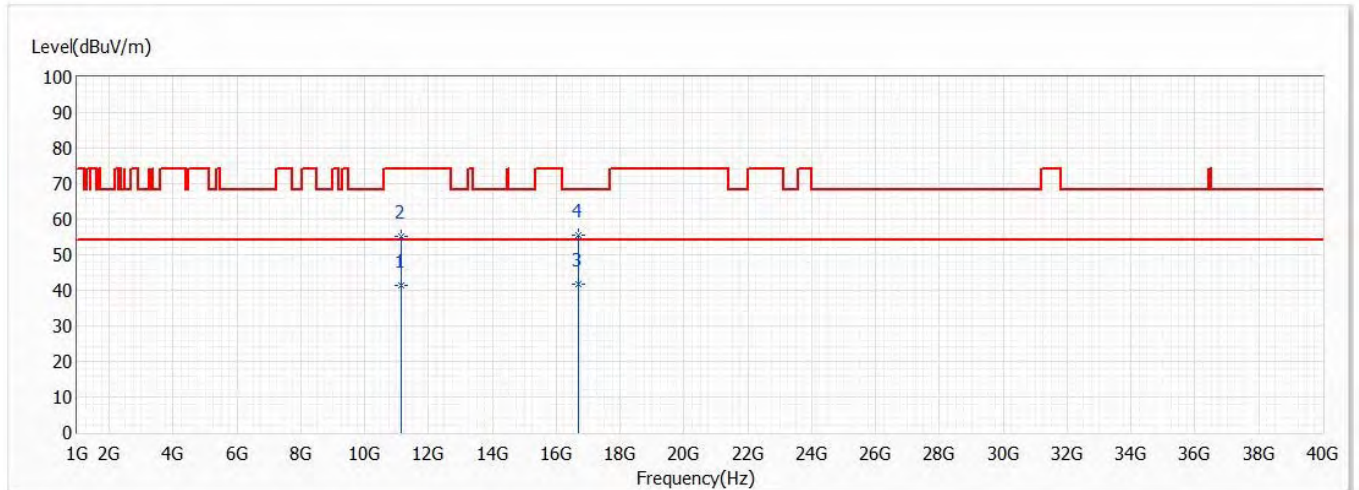


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	10500.000	54.56	68.20	-13.64	41.41	13.15	PK
2	10500.000	40.88	54.00	-13.12	27.73	13.15	AV
3	15750.000	55.72	74.00	-18.28	42.97	12.75	PK
* 4	15750.000	41.57	54.00	-12.43	28.82	12.75	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/6/22
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Clemens Fang
Polarity	Horizontal	Temperature (°C)	25.0
Test Condition	802.11ax,Ant0+1+2+3, Ch 114,5.57G,BW160M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	63.0

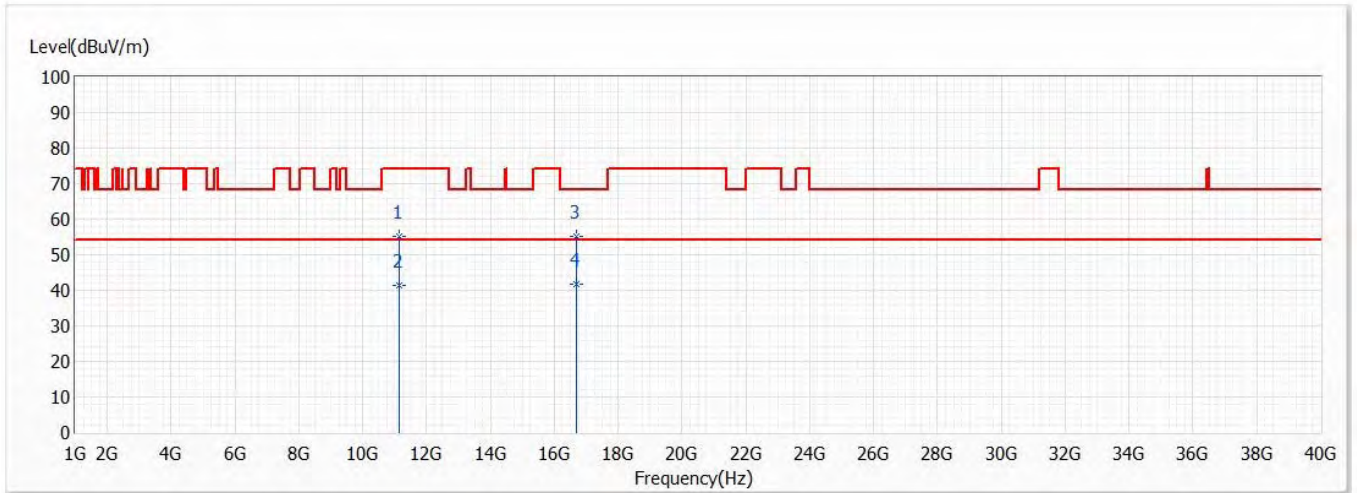


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	11140.000	41.43	54.00	-12.57	27.61	13.82	AV
2	11140.000	55.17	74.00	-18.83	41.35	13.82	PK
* 3	16710.000	41.69	54.00	-12.31	28.31	13.38	AV
4	16710.000	55.39	68.20	-12.81	42.01	13.38	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/6/22
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Clemens Fang
Polarity	Vertical	Temperature (°C)	25.0
Test Condition	802.11ax,Ant0+1+2+3, Ch 114,5.57G,BW160M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	63.0

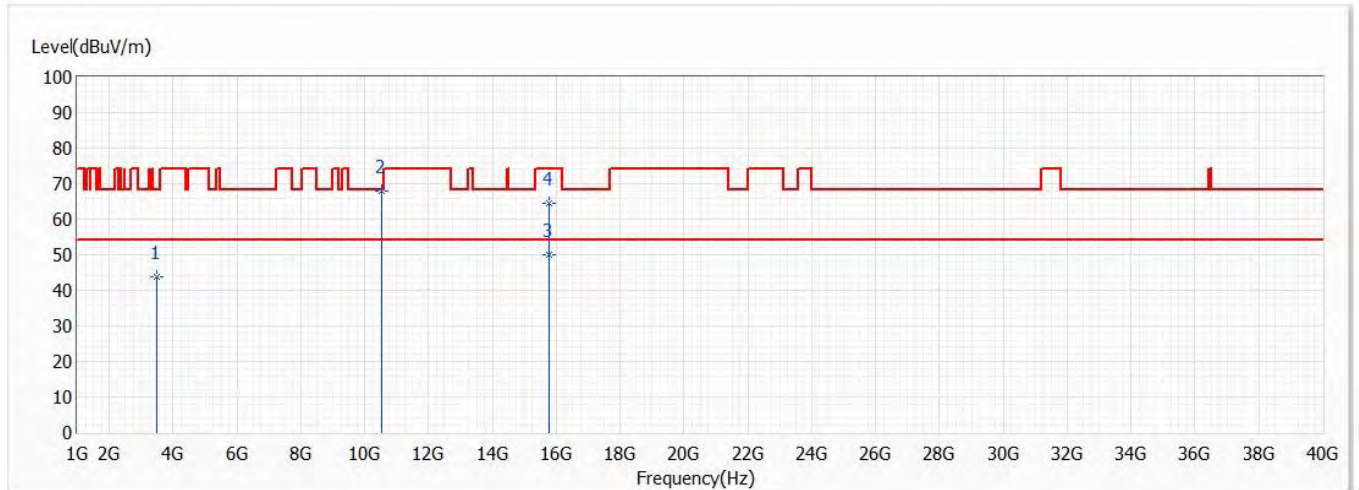


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	11140.000	55.04	74.00	-18.96	41.22	13.82	PK
2	11140.000	41.27	54.00	-12.73	27.45	13.82	AV
3	16710.000	55.07	68.20	-13.13	41.69	13.38	PK
* 4	16710.000	41.78	54.00	-12.22	28.40	13.38	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/10
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 52,5.26G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0



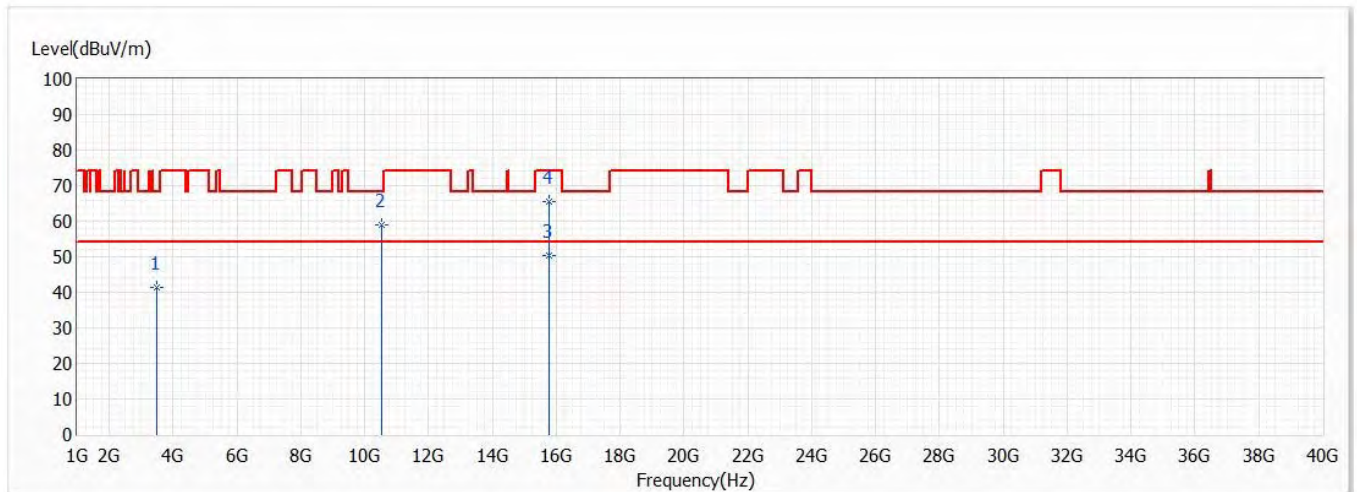
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3506.500	43.88	68.20	-24.32	49.48	-5.60	PK
* 2	10520.000	67.77	68.20	-0.43	54.62	13.15	PK
3	15780.000	50.11	54.00	-3.89	37.42	12.69	AV
4	15780.000	64.55	74.00	-9.45	51.86	12.69	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.



Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/10
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 52,5.26G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

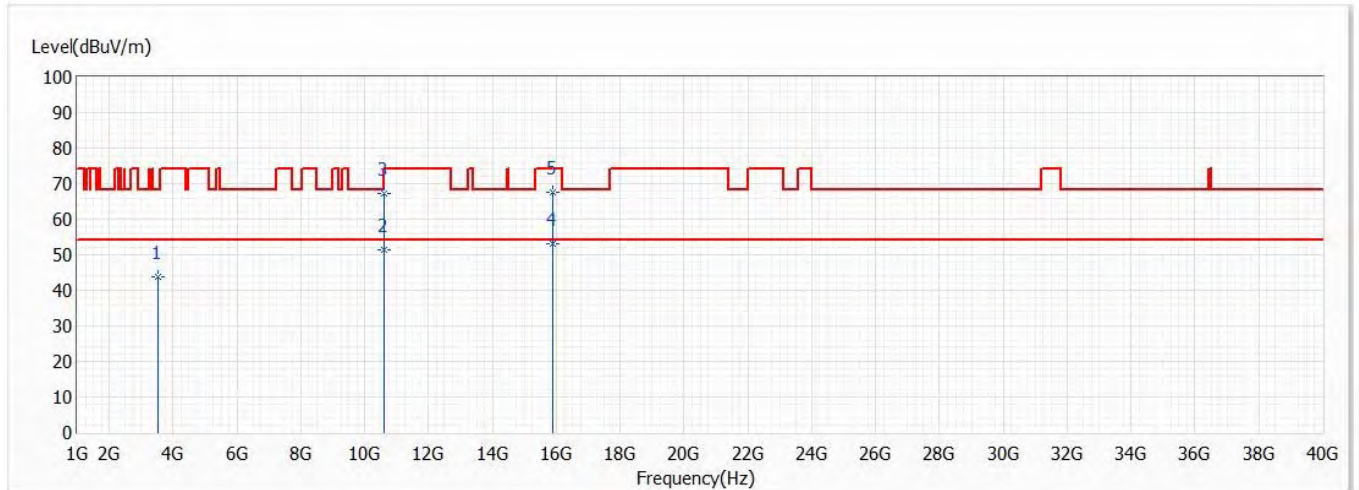


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3506.500	41.34	68.20	-26.86	46.94	-5.60	PK
2	10520.000	58.88	68.20	-9.32	45.73	13.15	PK
* 3	15780.000	50.23	54.00	-3.77	37.54	12.69	AV
4	15780.000	65.55	74.00	-8.45	52.86	12.69	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/10
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 60,5.3G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

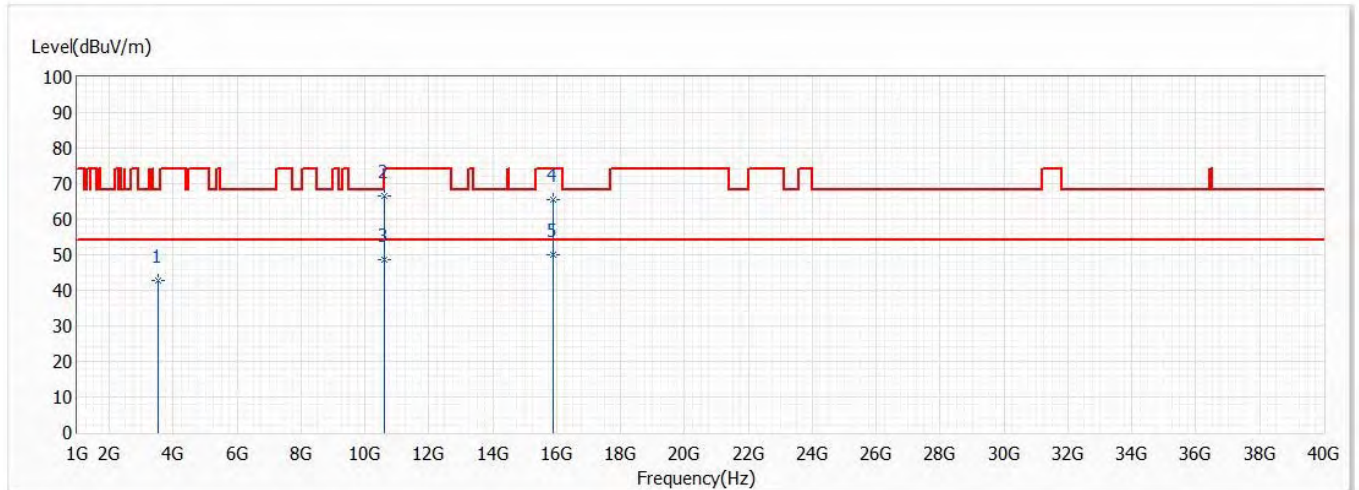


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3534.500	43.88	68.20	-24.32	49.39	-5.51	PK
2	10600.000	51.39	54.00	-2.61	38.22	13.17	AV
3	10600.000	67.22	74.00	-6.78	54.05	13.17	PK
* 4	15900.000	52.95	54.00	-1.05	40.73	12.22	AV
5	15900.000	67.72	74.00	-6.28	55.50	12.22	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	5/10/2021
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 60,5.3G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

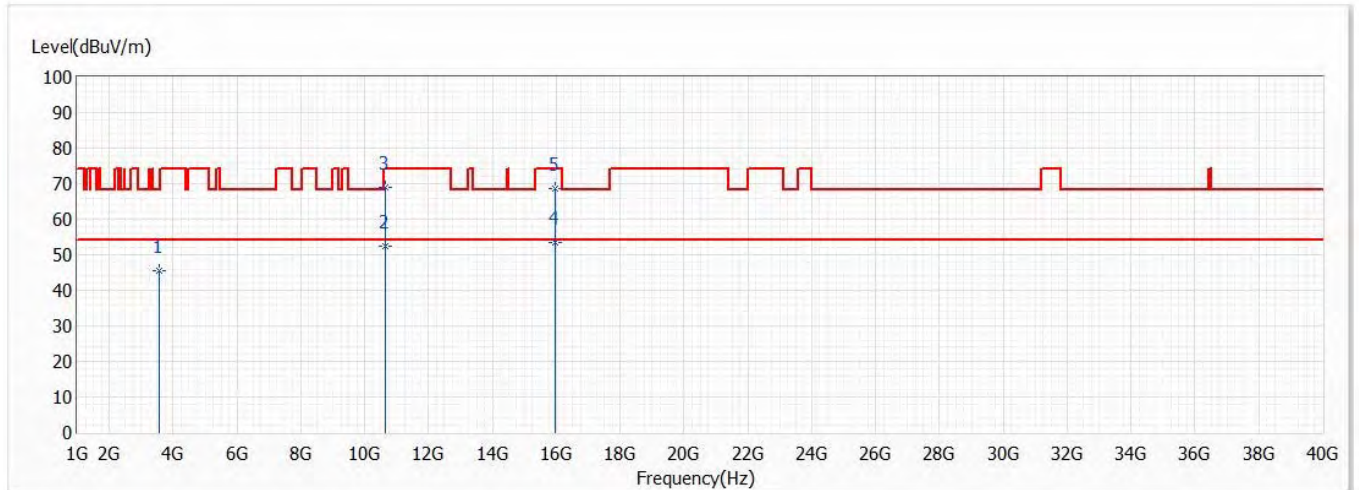


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3534.500	42.77	68.20	-25.43	48.28	-5.51	PK
2	10600.000	66.42	74.00	-7.58	53.25	13.17	PK
3	10600.000	48.49	54.00	-5.51	35.32	13.17	AV
4	15900.000	65.61	74.00	-8.39	53.39	12.22	PK
* 5	15900.000	50.07	54.00	-3.93	37.85	12.22	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/10
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 64,5.32G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

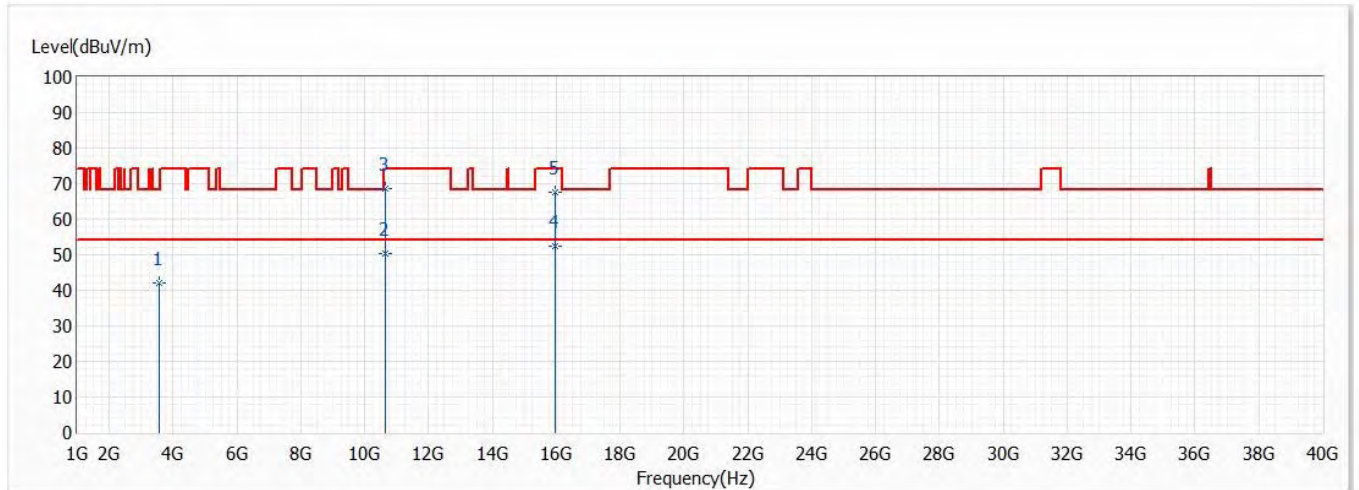


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3548.500	45.36	68.20	-22.84	50.83	-5.47	PK
2	10640.000	52.55	54.00	-1.45	39.29	13.26	AV
3	10640.000	69.10	74.00	-4.90	55.84	13.26	PK
* 4	15960.000	53.32	54.00	-0.68	41.17	12.15	AV
5	15960.000	68.55	74.00	-5.45	56.40	12.15	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/10
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11a,Ant0+1+2+3,Ch 64,5.32G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

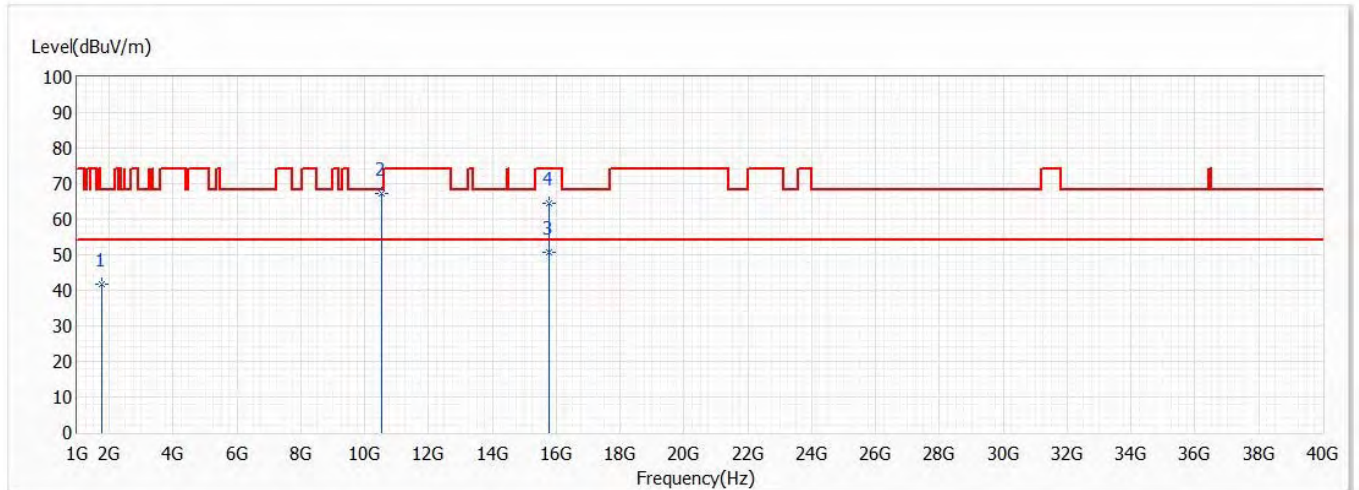


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3548.500	42.11	68.20	-26.09	47.58	-5.47	PK
2	10640.000	50.39	54.00	-3.61	37.13	13.26	AV
3	10640.000	68.77	74.00	-5.23	55.51	13.26	PK
* 4	15960.000	52.53	54.00	-1.47	40.38	12.15	AV
5	15960.000	67.67	74.00	-6.33	55.52	12.15	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/10
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11ax,Ant0+1+2+3,Ch 52,5.26G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

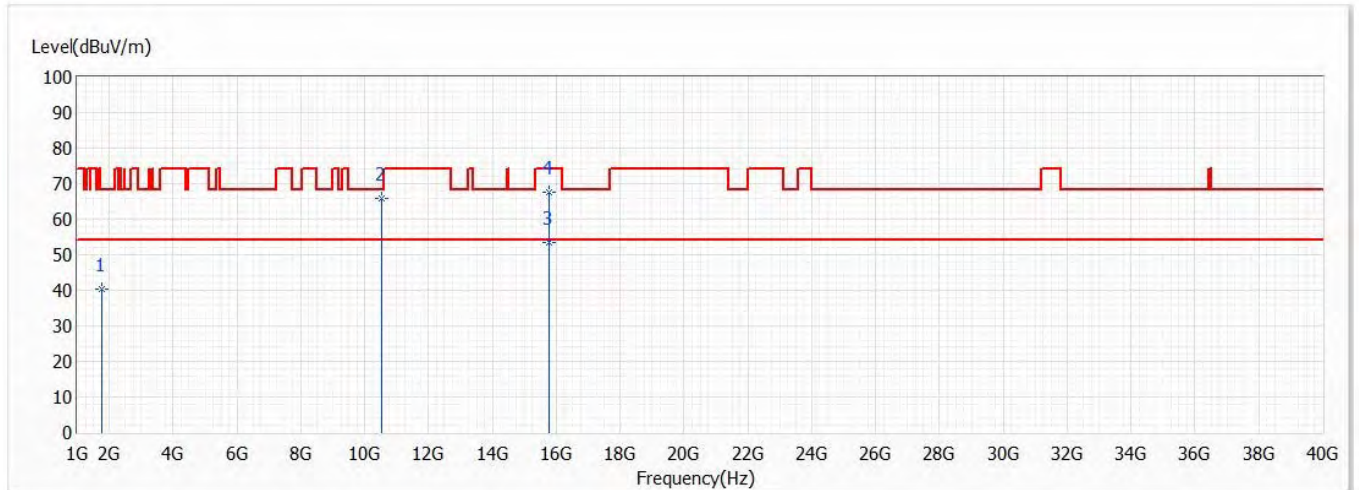


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	1767.900	41.72	68.20	-26.48	53.00	-11.28	PK
* 2	10520.000	67.39	68.20	-0.81	54.24	13.15	PK
3	15780.000	50.66	54.00	-3.34	37.97	12.69	AV
4	15780.000	64.39	74.00	-9.61	51.70	12.69	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/10
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11ax,Ant0+1+2+3,Ch 52,5.26G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0

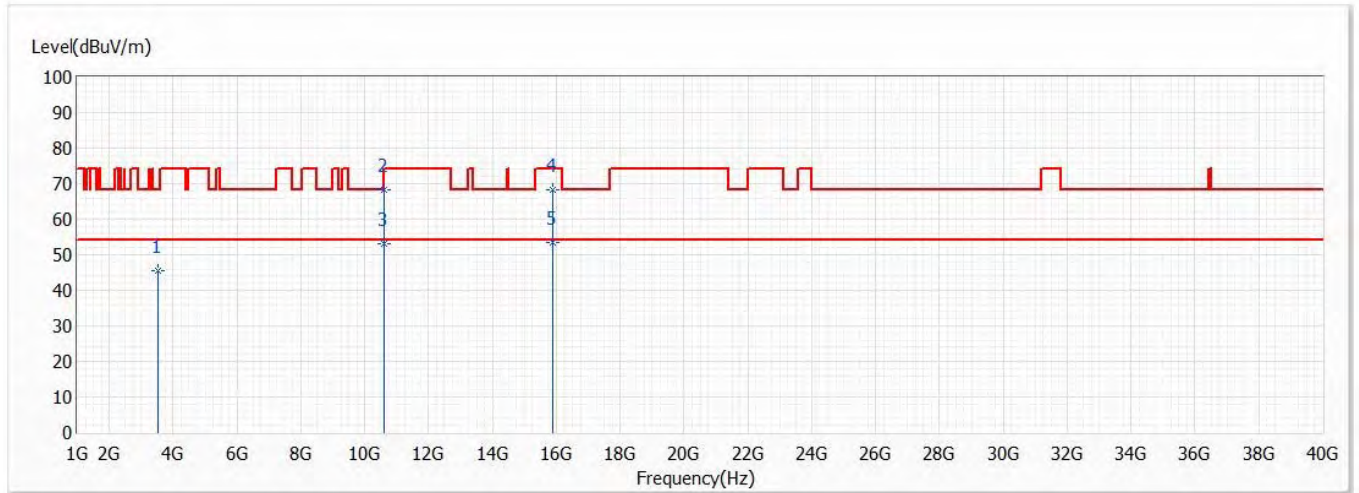


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	1767.900	40.33	68.20	-27.87	51.61	-11.28	PK
2	10520.000	65.87	68.20	-2.33	52.72	13.15	PK
* 3	15780.000	53.41	54.00	-0.59	40.72	12.69	AV
4	15780.000	67.45	74.00	-6.55	54.76	12.69	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/10
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	25.2
Test Condition	802.11ax,Ant0+1+2+3,Ch 60,5.3G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0



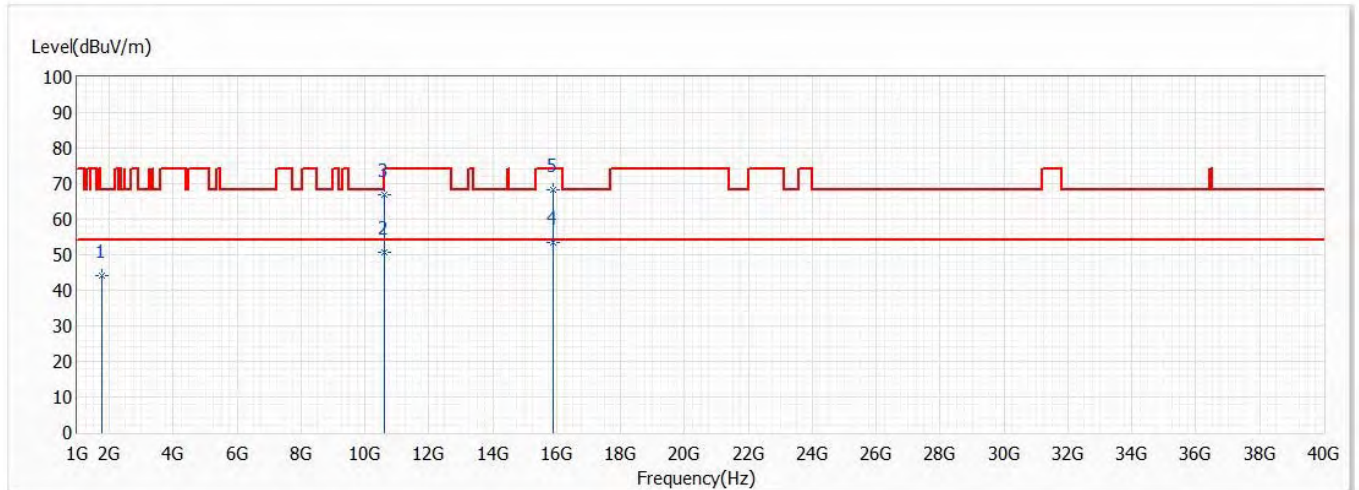
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3534.500	45.66	68.20	-22.54	51.17	-5.51	PK
2	10600.000	68.18	74.00	-5.82	55.01	13.17	PK
3	10600.000	53.20	54.00	-0.80	40.03	13.17	AV
4	15900.000	68.11	74.00	-5.89	55.89	12.22	PK
* 5	15900.000	53.44	54.00	-0.56	41.22	12.22	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.



Model No	EBM522U	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	5/10/2021
Test Mode	Mode 1: Transmit_Non-BF_EBM522U	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	25.2
Test Condition	802.11ax,Ant0+1+2+3,Ch 60,5.3G,BW20M (MSA-C1500CS12.0-18G-US)	Humidity (%RH)	58.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	1764.400	44.14	68.20	-24.06	55.42	-11.28	PK
2	10600.000	50.75	54.00	-3.25	37.58	13.17	AV
3	10600.000	67.06	74.00	-6.94	53.89	13.17	PK
* 4	15900.000	53.37	54.00	-0.63	41.15	12.22	AV
5	15900.000	68.11	74.00	-5.89	55.89	12.22	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.