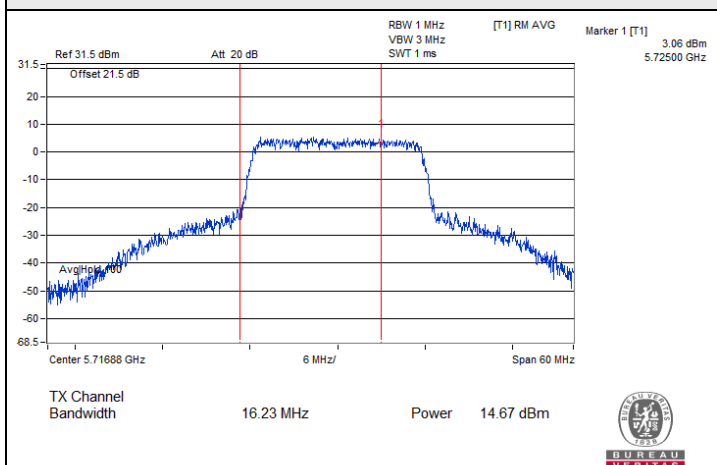
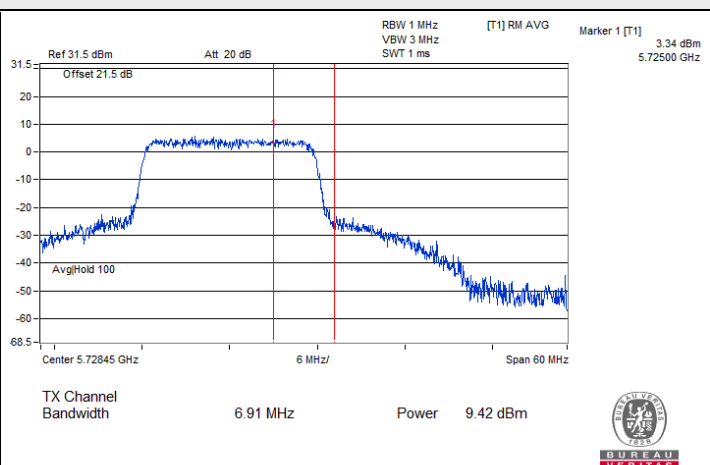


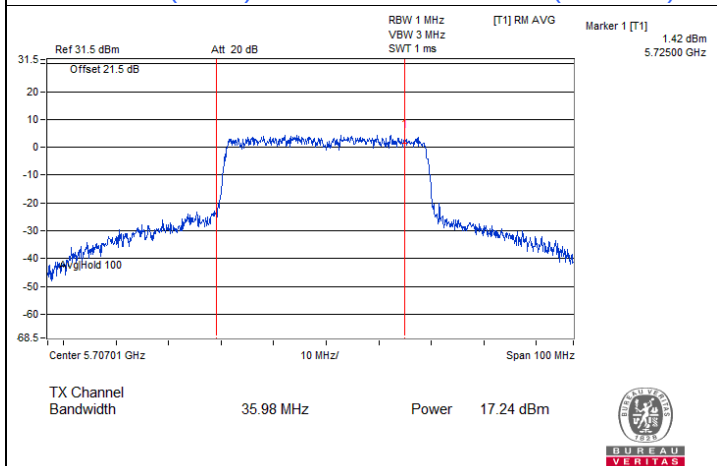
Spectrum Plot for channel straddling



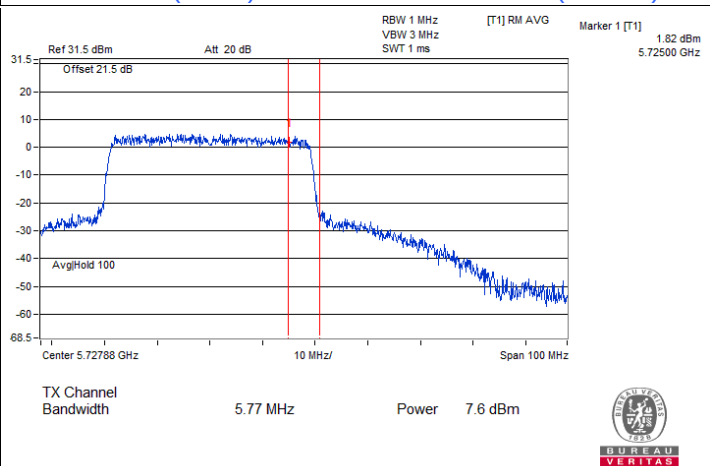
802.11ax (HE20) CDD / Chain 3 : CH 144 (U-NII-2C)



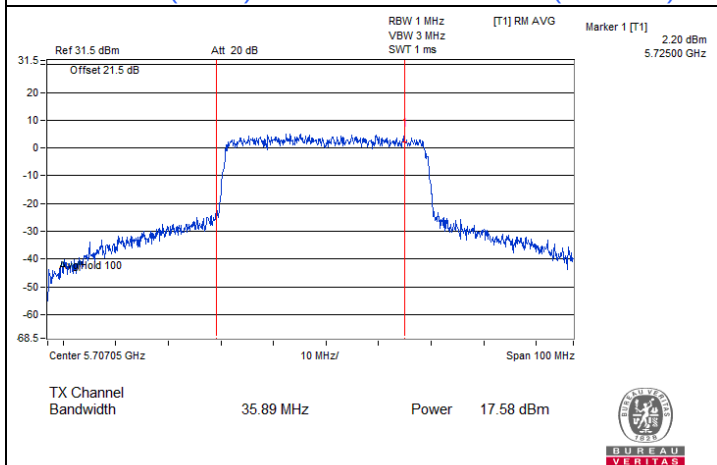
802.11ax (HE20) CDD / Chain 3 : CH 144 (U-NII-3)



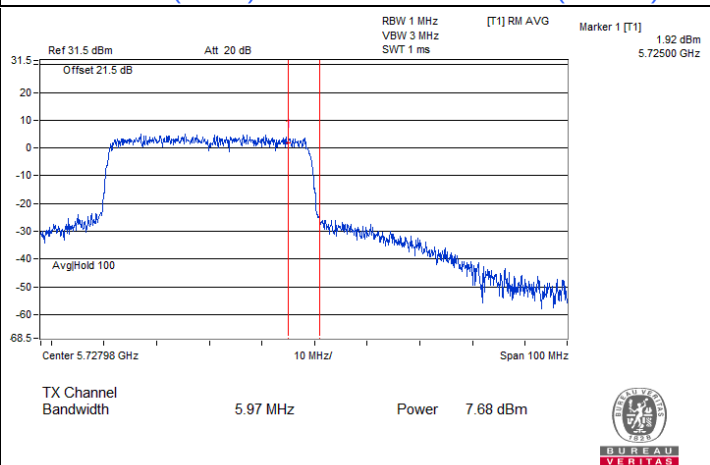
802.11ax (HE40) CDD / Chain 0 : CH 142 (U-NII-2C)



802.11ax (HE40) CDD / Chain 0 : CH 142 (U-NII-3)

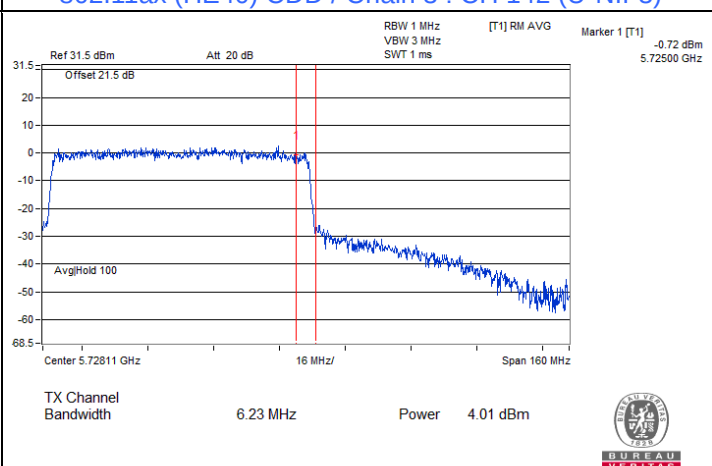
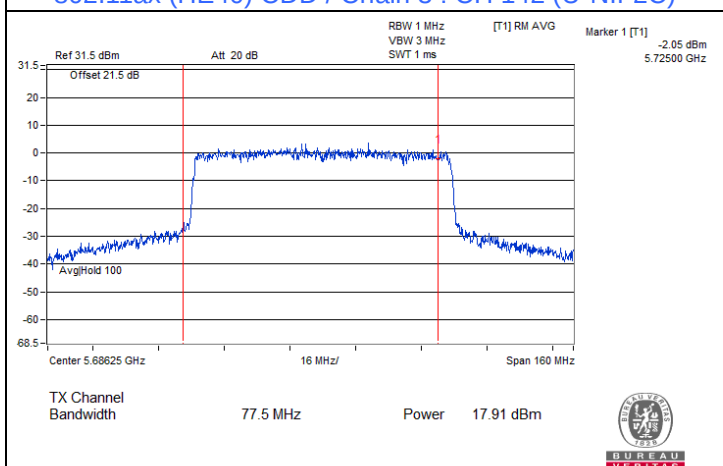
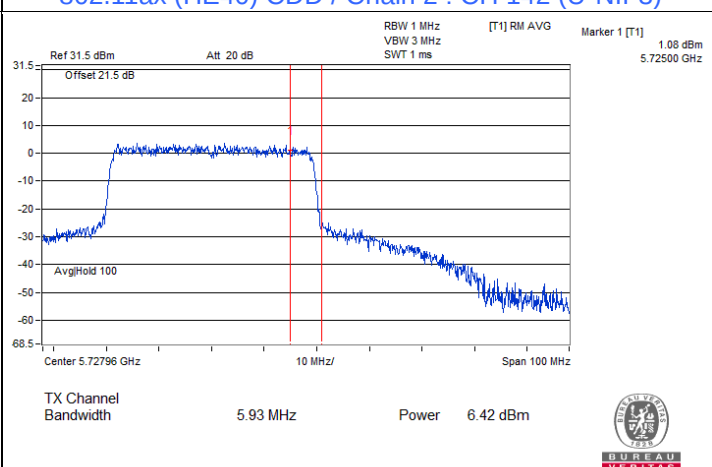
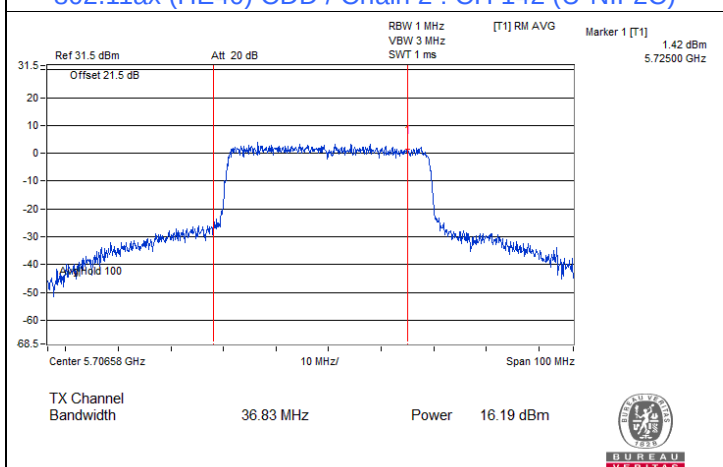
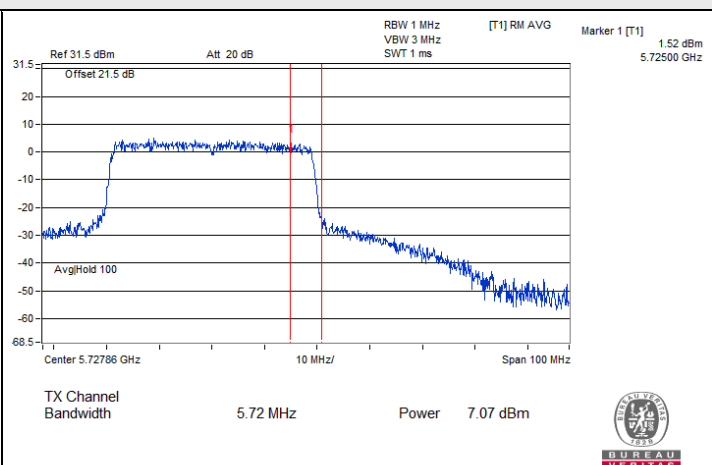
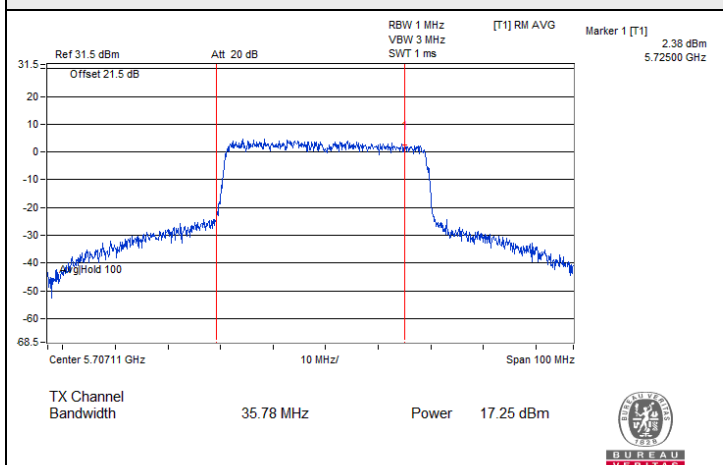


802.11ax (HE40) CDD / Chain 1 : CH 142 (U-NII-2C)

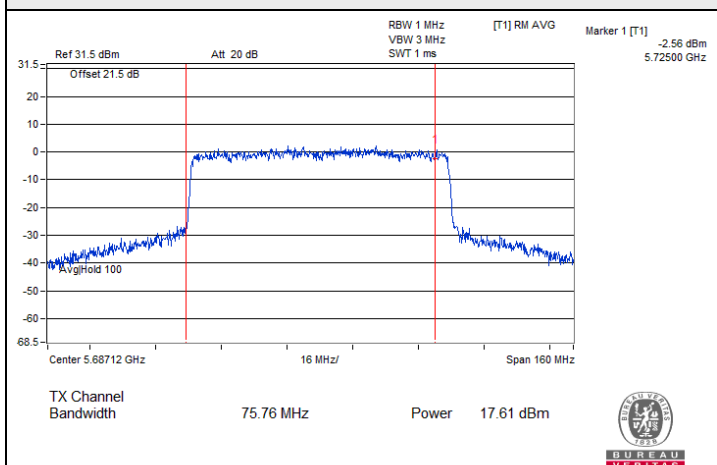


802.11ax (HE40) CDD / Chain 1 : CH 142 (U-NII-3)

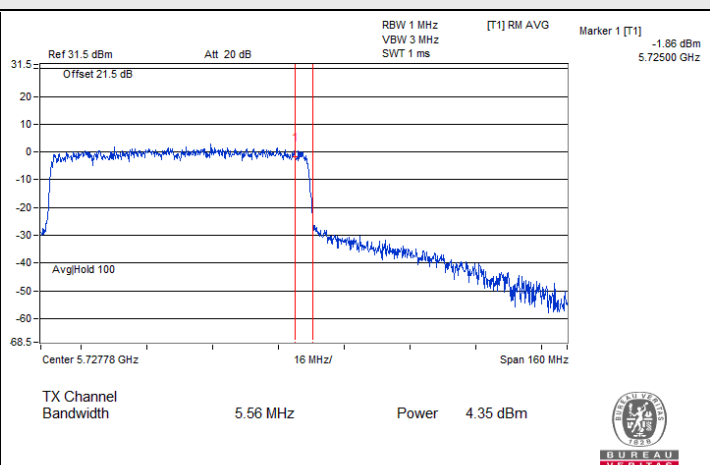
Spectrum Plot for channel straddling



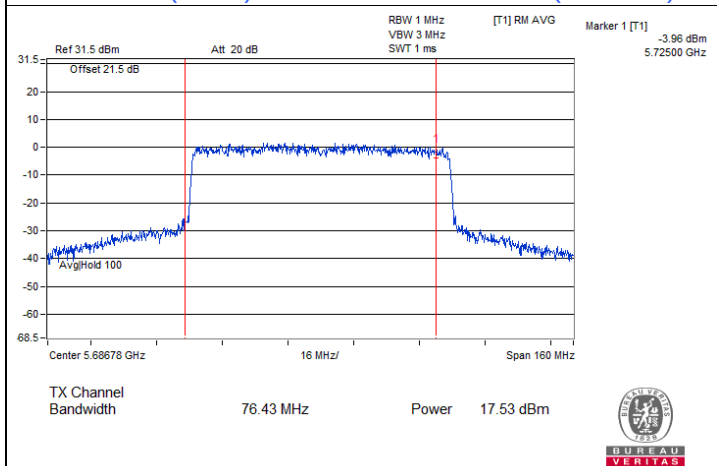
Spectrum Plot for channel straddling



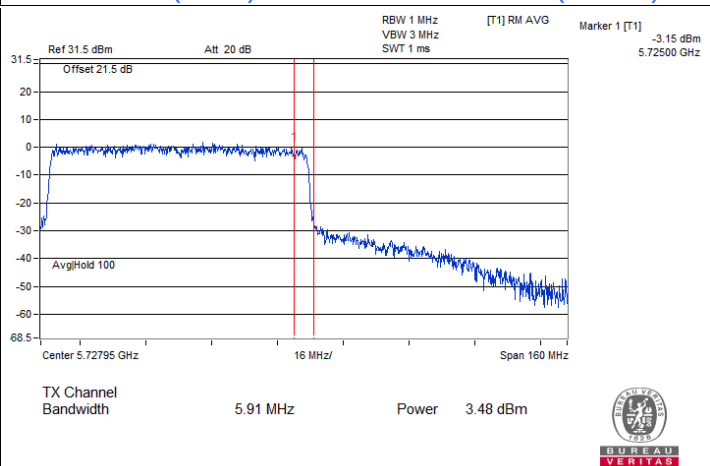
802.11ax (HE80) CDD / Chain 1 : CH 138 (U-NII-2C)



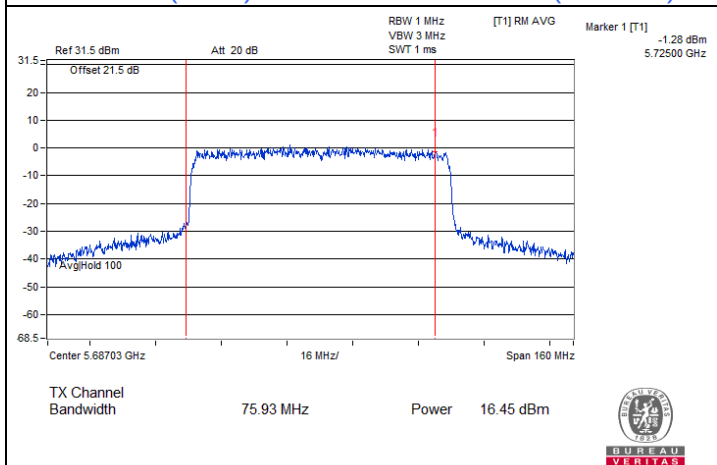
802.11ax (HE80) CDD / Chain 1 : CH 138 (U-NII-3)



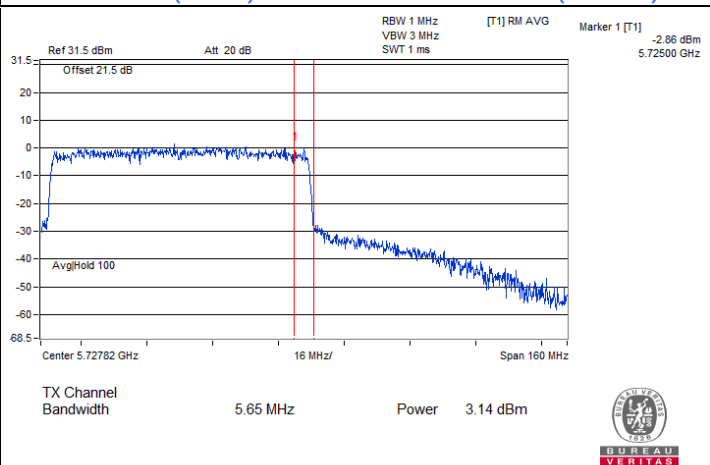
802.11ax (HE80) CDD / Chain 2 : CH 138 (U-NII-2C)



802.11ax (HE80) CDD / Chain 2 : CH 138 (U-NII-3)



802.11ax (HE80) CDD / Chain 3 : CH 138 (U-NII-2C)



802.11ax (HE80) CDD / Chain 3 : CH 138 (U-NII-3)

7.3 Power Spectral Density

Mode A

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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802.11a CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
52	5260	6.11	6.12	9.13	11.00	Pass
60	5300	6.25	6.38	9.33	11.00	Pass
64	5320	6.06	6.35	9.22	11.00	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-2A, the directional gain is 5.59 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
52	5260	6.33	6.16	9.26	11.00	Pass
60	5300	5.99	5.69	8.85	11.00	Pass
64	5320	5.77	5.56	8.68	11.00	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-2A, the directional gain is 5.59 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40) CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
54	5270	6.23	6.40	9.33	11.00	Pass
62	5310	2.71	2.90	5.82	11.00	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-2A, the directional gain is 5.59 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE80) CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
58	5290	1.31	1.46	4.40	11.00	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-2A, the directional gain is 5.59 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) Beamforming

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
52	5260	7.44	7.52	0.41	10.90	11.00	Pass
60	5300	7.44	7.63	0.41	10.96	11.00	Pass
64	5320	7.20	7.69	0.41	10.87	11.00	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-2A, the directional gain is 5.59 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40) Beamforming

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
54	5270	5.62	5.98	0.27	9.08	11.00	Pass
62	5310	3.16	3.53	0.27	6.63	11.00	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-2A, the directional gain is 5.59 dBi < 6 dBi, so the power density limit shall not be reduced.

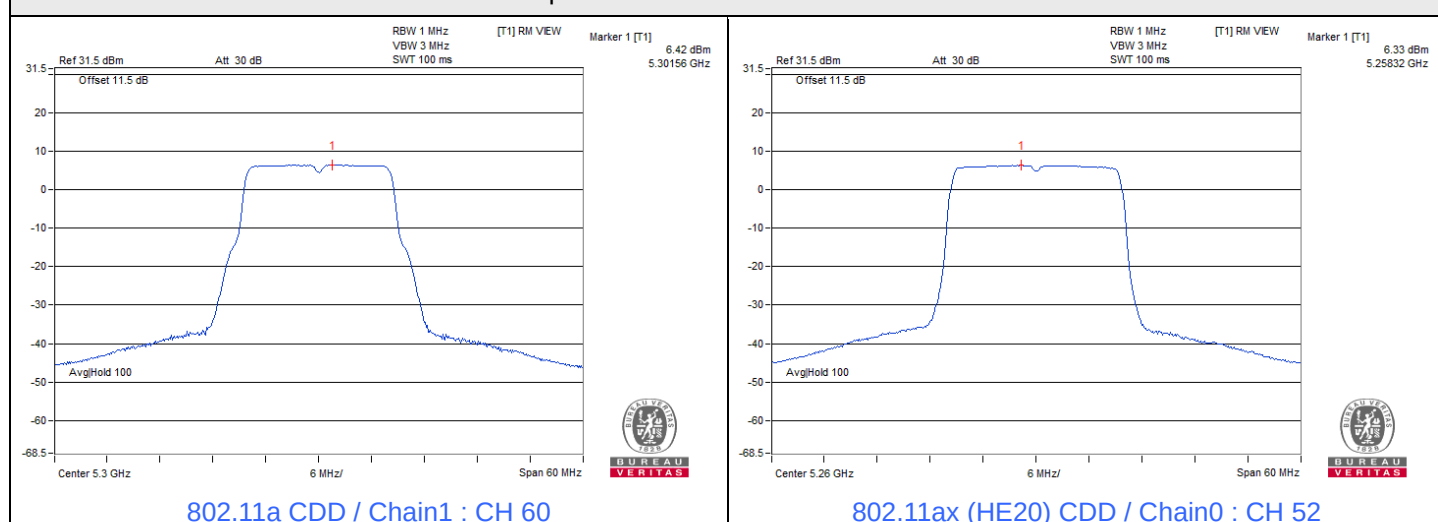
802.11ax (HE80) Beamforming

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
58	5290	0.99	1.25	0.35	4.48	11.00	Pass

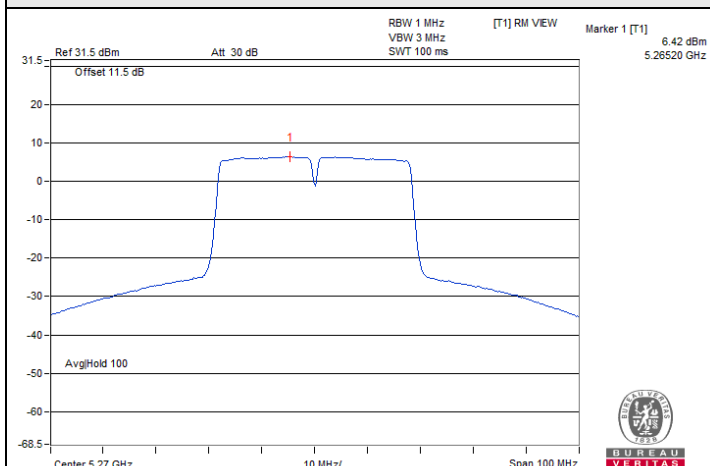
Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-2A, the directional gain is 5.59 dBi < 6 dBi, so the power density limit shall not be reduced.

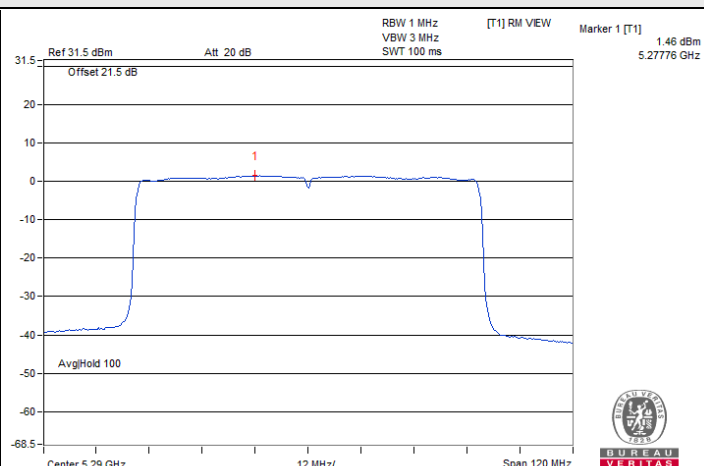
Spectrum Plot of Maximum Value



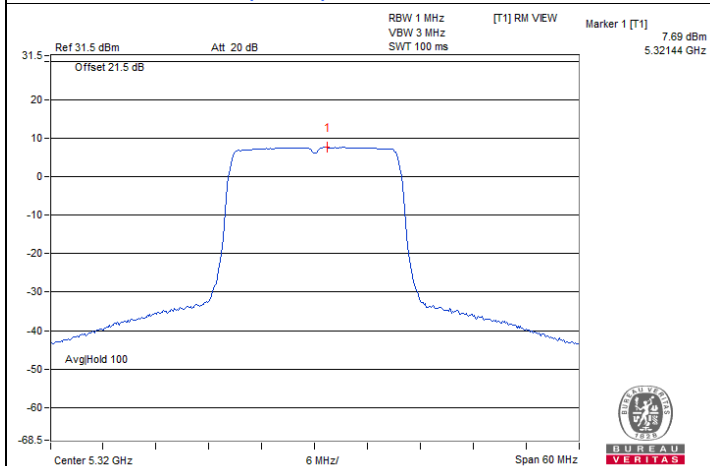
Spectrum Plot of Maximum Value



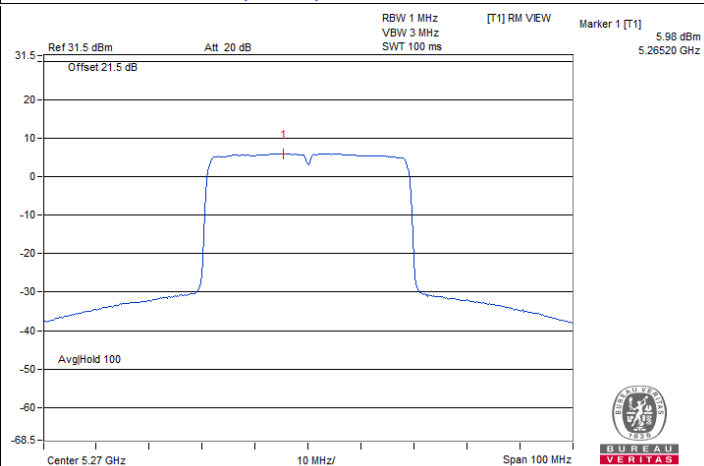
802.11ax (HE40) CDD / Chain1 : CH 54



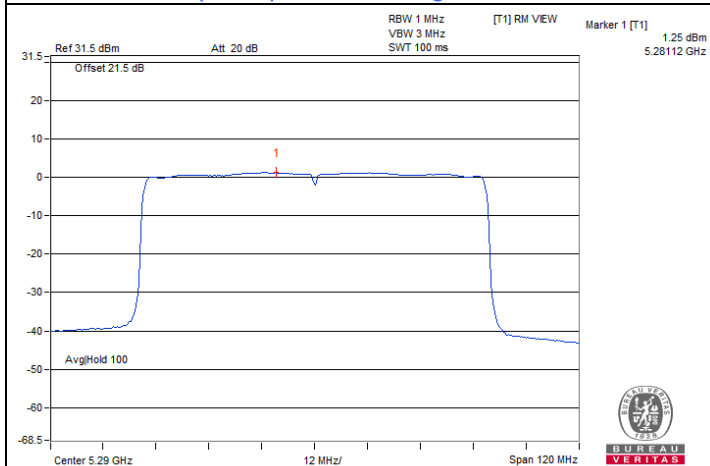
802.11ax (HE80) CDD / Chain1 : CH 58



802.11ax (HE20) Beamforming / Chain1 : CH 64



802.11ax (HE40) Beamforming / Chain1 : CH 54



802.11ax (HE80) Beamforming / Chain1 : CH 58

Mode B

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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802.11a CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
100	5500	3.89	4.44	3.06	2.98	9.66	11.00	Pass
116	5580	3.56	3.92	3.24	3.05	9.48	11.00	Pass
140	5700	4.05	4.34	3.39	3.16	9.78	11.00	Pass
144 (U-NII-2C)	5720	3.99	4.29	3.40	3.21	9.77	11.00	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-2C, the directional gain is 4.19 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
100	5500	3.63	4.37	3.49	2.99	9.67	11.00	Pass
116	5580	3.73	3.90	3.42	3.22	9.60	11.00	Pass
140	5700	3.98	3.92	3.26	2.98	9.58	11.00	Pass
144 (U-NII-2C)	5720	3.74	3.95	3.22	2.80	9.47	11.00	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
- For U-NII-2C, the directional gain is 4.19 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40) CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
102	5510	1.42	1.57	0.91	0.56	7.15	11.00	Pass
110	5550	1.67	1.56	1.55	0.96	7.46	11.00	Pass
134	5670	2.14	2.20	1.51	1.14	7.79	11.00	Pass
142 (U-NII-2C)	5710	2.09	2.16	1.36	0.80	7.66	11.00	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-2C, the directional gain is 4.19 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE80) CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
106	5530	-0.95	-1.19	-1.37	-2.17	4.62	11.00	Pass
122	5610	-1.35	-1.96	-1.75	-2.45	4.16	11.00	Pass
138 (U-NII-2C)	5690	-1.14	-1.74	-1.62	-2.62	4.27	11.00	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-2C, the directional gain is 4.19 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE160) CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
114	5570	-2.32	-3.21	-3.23	-3.78	2.92	11.00	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-2C, the directional gain is 4.19 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) Beamforming

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
100	5500	3.30	3.67	2.84	2.31	0.36	9.44	11.00	Pass
116	5580	2.91	2.92	3.78	3.04	0.36	9.56	11.00	Pass
140	5700	3.14	3.10	3.89	3.46	0.36	9.79	11.00	Pass
144 (U-NII-2C)	5720	3.55	3.50	2.86	2.60	0.36	9.53	11.00	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-2C, the directional gain is 4.19 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40) Beamforming

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
102	5510	0.46	-0.80	-1.14	-1.93	0.29	5.55	11.00	Pass
110	5550	0.78	0.65	0.72	-0.03	0.29	6.85	11.00	Pass
134	5670	1.19	1.16	0.69	0.55	0.29	7.22	11.00	Pass
142 (U-NII-2C)	5710	1.00	0.89	0.39	0.05	0.29	6.91	11.00	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-2C, the directional gain is 4.19 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE80) Beamforming

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
106	5530	-4.07	-4.27	-4.70	-5.54	0.27	1.68	11.00	Pass
122	5610	-2.07	-2.03	-2.46	-2.64	0.27	4.00	11.00	Pass
138 (U-NII-2C)	5690	-1.82	-1.61	-2.55	-2.65	0.27	4.16	11.00	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-2C, the directional gain is 4.19 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE160) Beamforming

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
114	5570	-5.14	-5.81	-6.20	-6.67	0.32	0.42	11.00	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.
3. For U-NII-2C, the directional gain is 4.19 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11a CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
144 (U-NII-3)	5720	-1.43	-1.27	-2.03	-2.18	4.31	6.53	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.

802.11ax (HE20) CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
144 (U-NII-3)	5720	-1.78	-1.15	-2.53	-2.76	4.01	6.23	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.

802.11ax (HE40) CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
142 (U-NII-3)	5710	-3.80	-3.43	-4.59	-4.97	1.87	4.09	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.

802.11ax (HE80) CDD

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
138 (U-NII-3)	5690	-7.65	-7.54	-8.63	-9.03	-2.15	0.07	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.

802.11ax (HE20) Beamforming

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)				Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3					
144 (U-NII-3)	5720	-2.08	-1.80	-2.85	-3.09	3.6	0.36	6.18	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.

802.11ax (HE40) Beamforming

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)				Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3					
142 (U-NII-3)	5710	-4.92	-4.67	-5.79	-5.85	0.74	0.29	3.25	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.

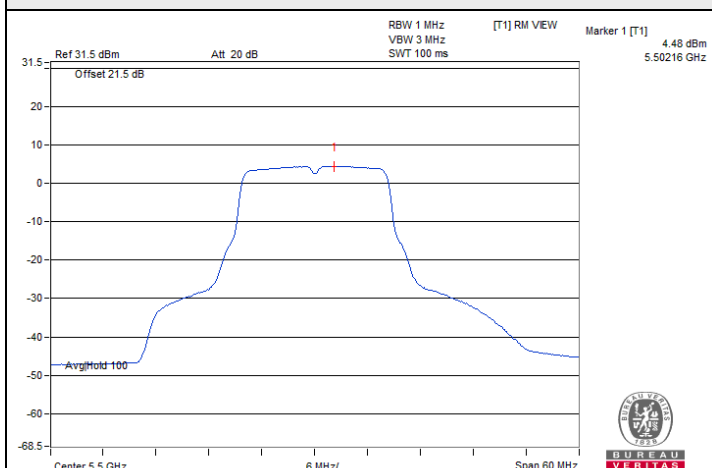
802.11ax (HE80) Beamforming

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)				Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3					
138 (U-NII-3)	5690	-8.12	-7.62	-9.00	-8.80	-2.33	0.27	0.16	30	Pass

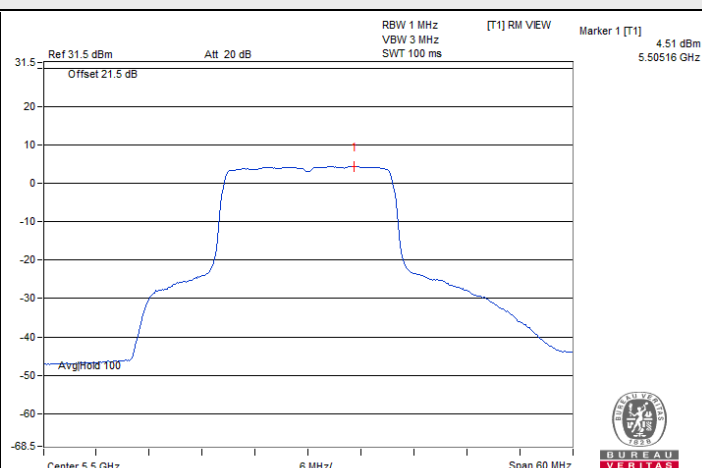
Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain is the measured value according to KDB 662911 D03 Method of MIMO Antenna Gain Measurement.

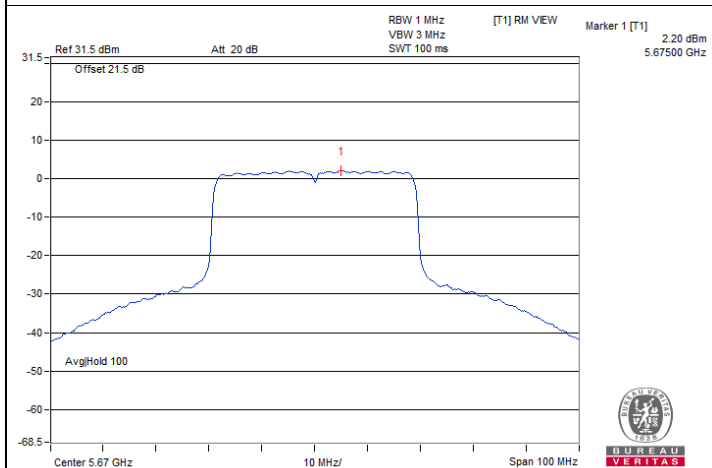
Spectrum Plot of Maximum Value



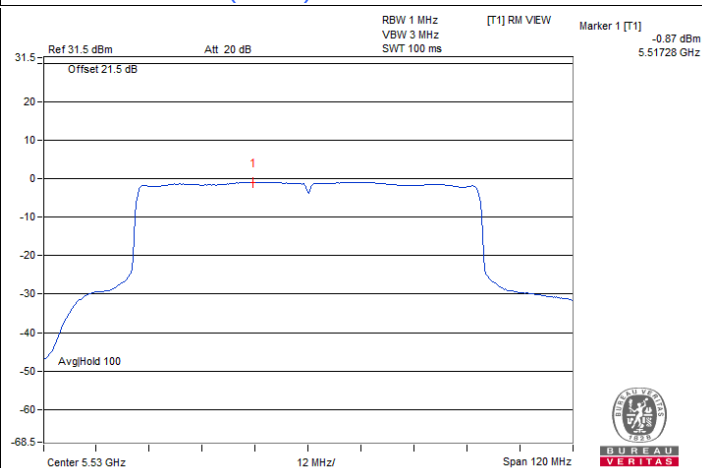
802.11a CDD / Chain 1 : CH 100



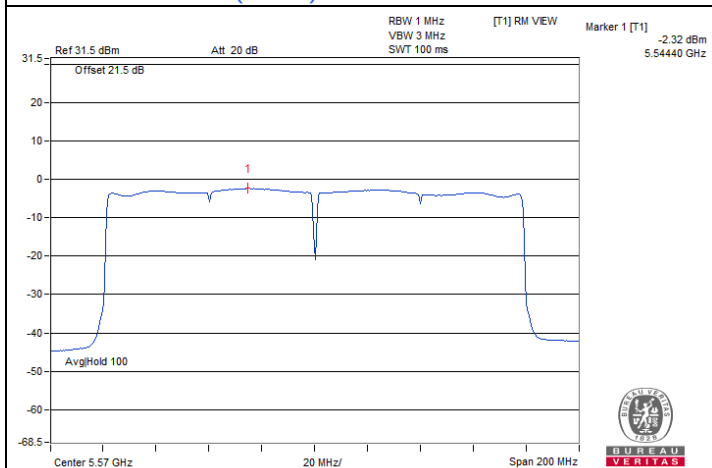
802.11ax (HE20) CDD / Chain 1 : CH 100



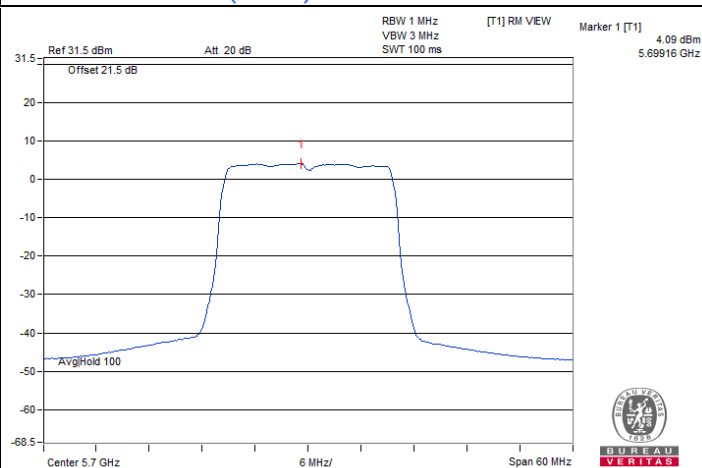
802.11ax (HE40) CDD / Chain 1 : CH 134



802.11ax (HE80) CDD / Chain 0 : CH 106

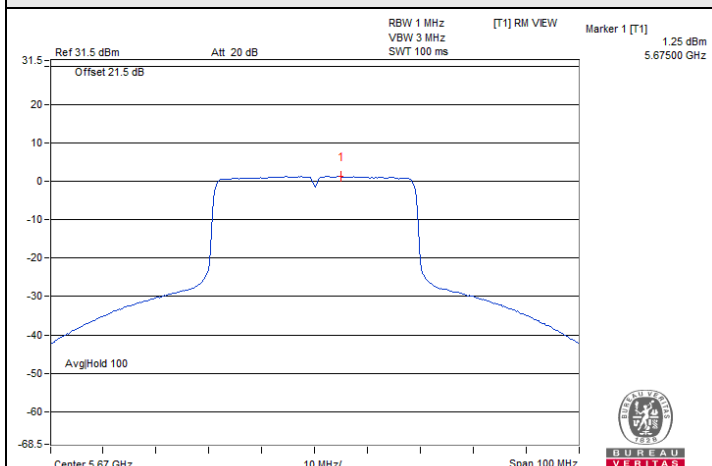


802.11ax (HE160) CDD / Chain 0 : CH 114

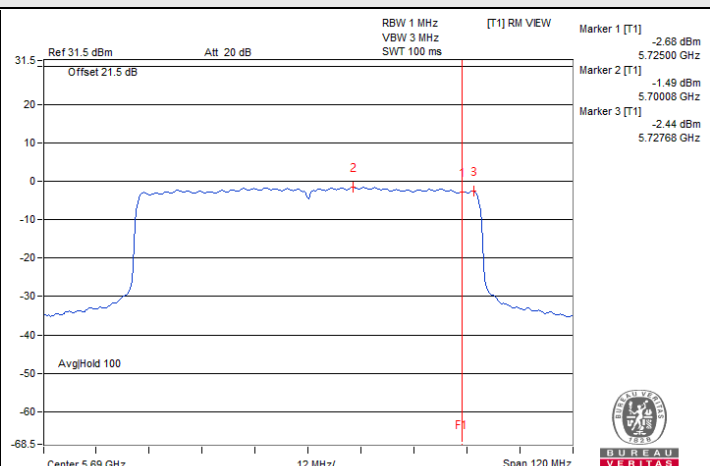


802.11ax (HE20) Beamforming / Chain 2 : CH 140

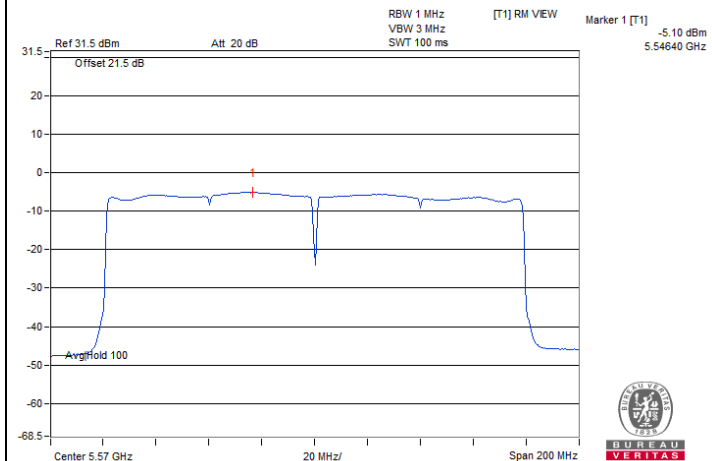
Spectrum Plot of Maximum Value



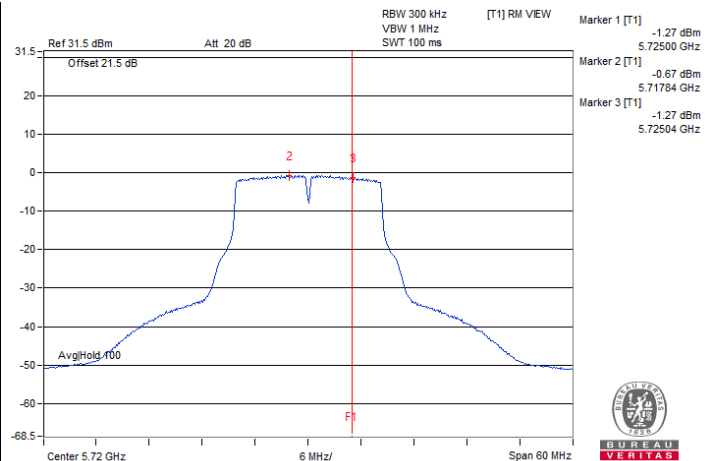
802.11ax (HE40) Beamforming / Chain 0 : CH 134



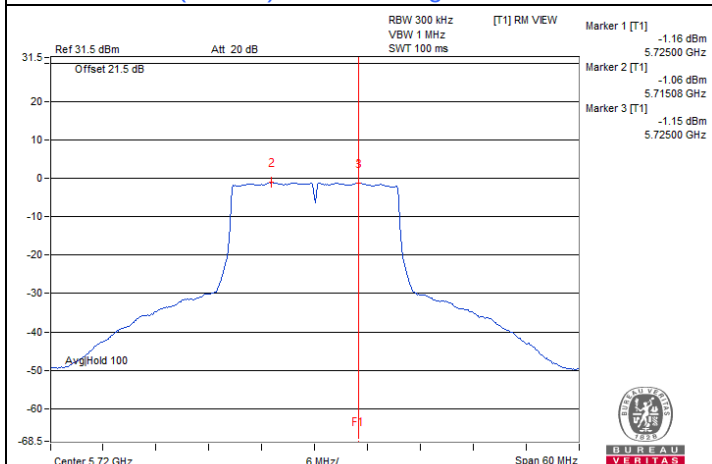
802.11ax (HE80) Beamforming / Chain 1 : CH 138 (U-NII-2C)



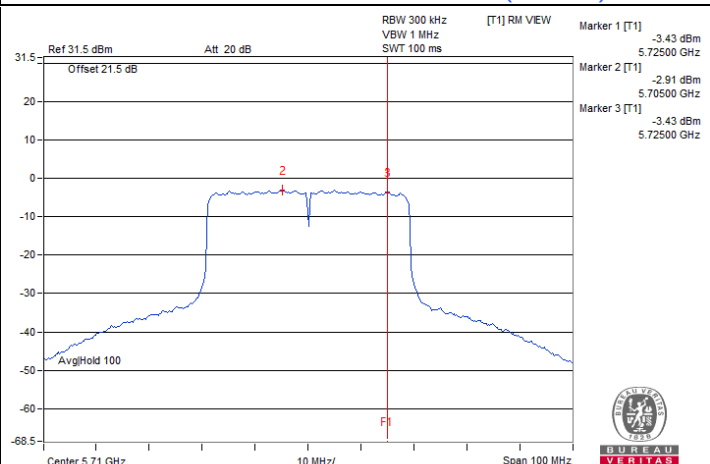
802.11ax (HE160) Beamforming / Chain 0 : CH 114



802.11a CDD / Chain 1 : CH 144 (U-NII-3)

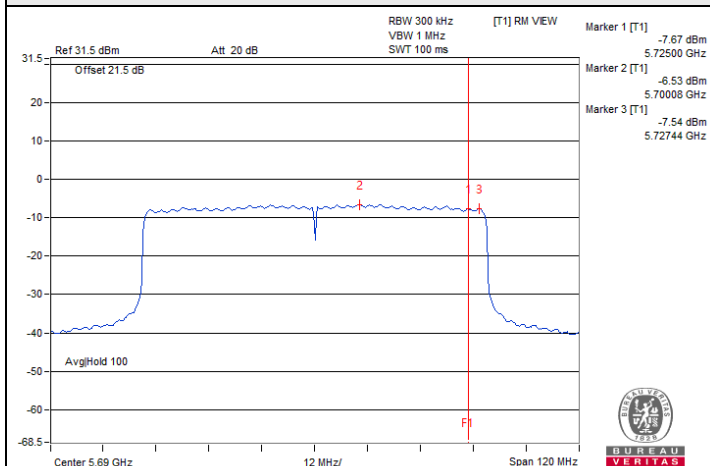


802.11ax (HE20) CDD / Chain 1 : CH 144 (U-NII-3)

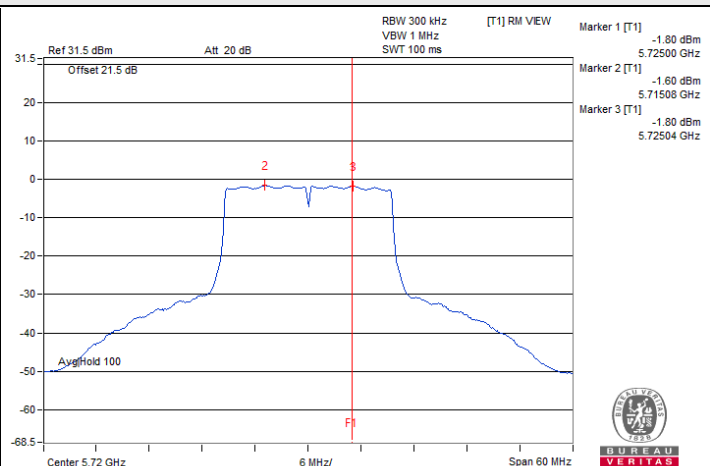


802.11ax (HE40) CDD / Chain 1 : CH 142 (U-NII-3)

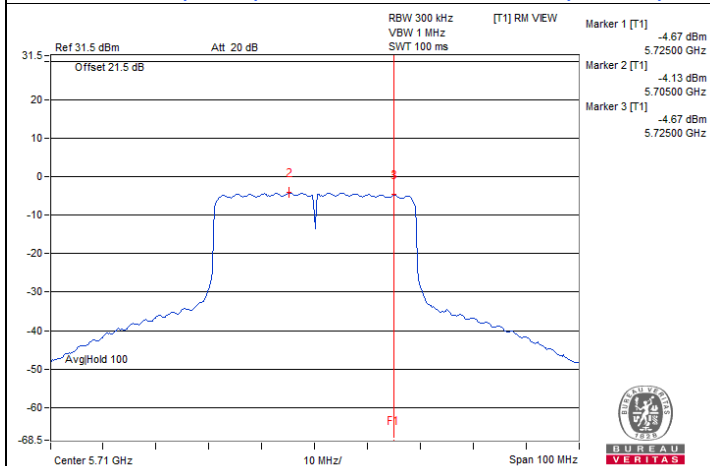
Spectrum Plot of Maximum Value



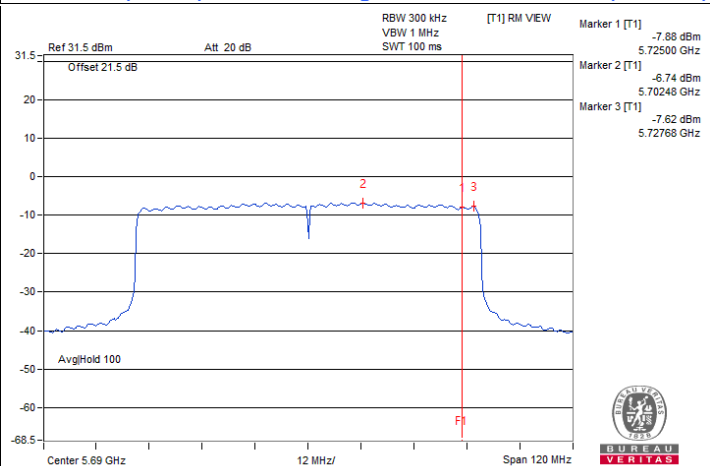
802.11ax (HE80) CDD / Chain 1 : CH 138 (U-NII-3)



802.11ax (HE20) Beamforming / Chain 1 : CH 144 (U-NII-3)



802.11ax (HE40) Beamforming / Chain 1 : CH 142 (U-NII-3)



802.11ax (HE80) Beamforming / Chain 1 : CH 138 (U-NII-3)

7.4 6 dB Bandwidth

Mode B

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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802.11a CDD

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
144 (U-NII-3)	5720	3.19	3.17	3.18	3.20	0.5	Pass

802.11ax (HE20) CDD

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
144 (U-NII-3)	5720	4.47	4.35	4.41	4.48	0.5	Pass

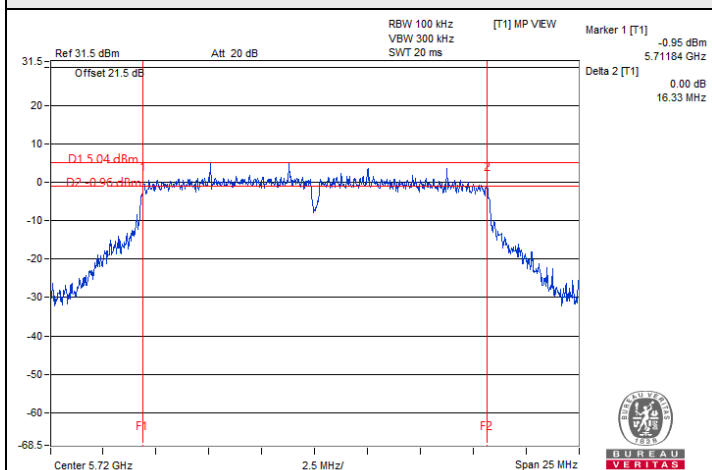
802.11ax (HE40) CDD

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
142 (U-NII-3)	5710	4.00	3.00	3.80	3.71	0.5	Pass

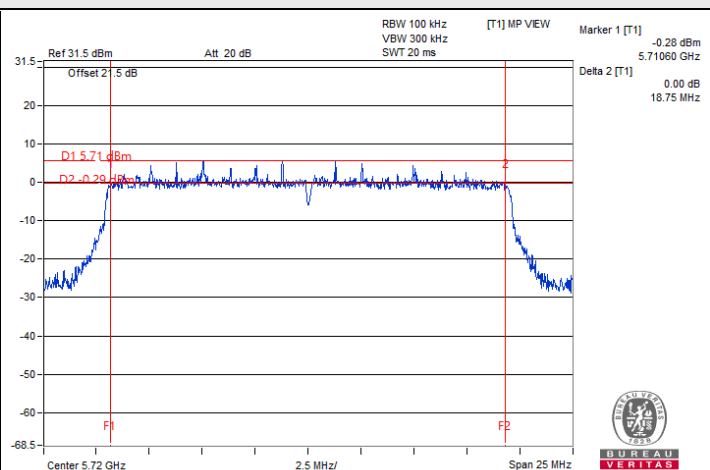
802.11ax (HE80) CDD

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
138 (U-NII-3)	5690	3.56	3.65	2.69	3.13	0.5	Pass

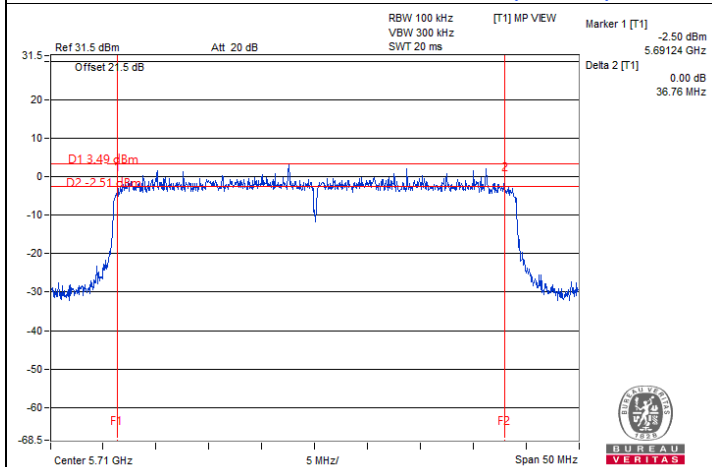
Spectrum Plot of Minimum Value



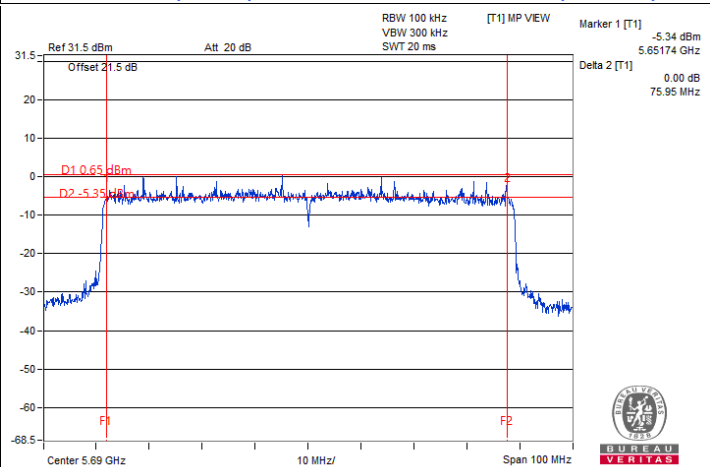
802.11a CDD / Chain 1 : CH 144 (U-NII-3)



802.11ax (HE20) CDD / Chain 1 : CH 144 (U-NII-3)



802.11ax (HE40) CDD / Chain 1 : CH 142 (U-NII-3)



802.11ax (HE80) CDD / Chain 2 : CH 138 (U-NII-3)

Notes:

1. For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725 MHz

7.5 Occupied Bandwidth

Mode A

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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802.11a CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	16.80	16.80
60	5300	16.92	16.86
64	5320	16.86	16.80

802.11ax (HE20) CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	19.08	19.02
60	5300	19.08	19.08
64	5320	19.08	19.08

802.11ax (HE40) CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	37.62	37.80
62	5310	37.62	37.80

802.11ax (HE80) CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	77.04	77.04

802.11ax (HE20) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	19.08	19.08
60	5300	19.08	19.14
64	5320	19.08	19.02

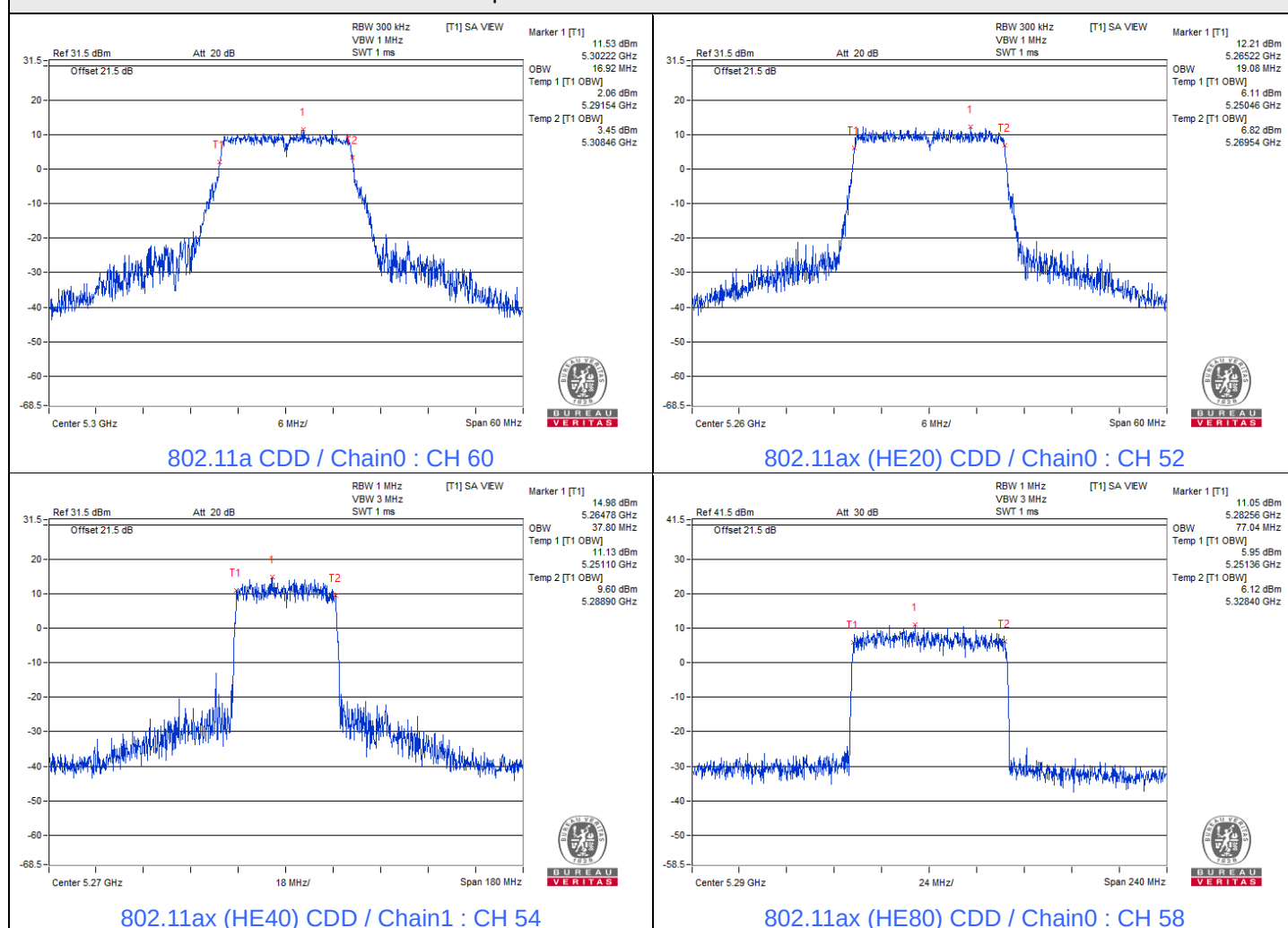
802.11ax (HE40) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	37.62	37.80
62	5310	37.80	37.62

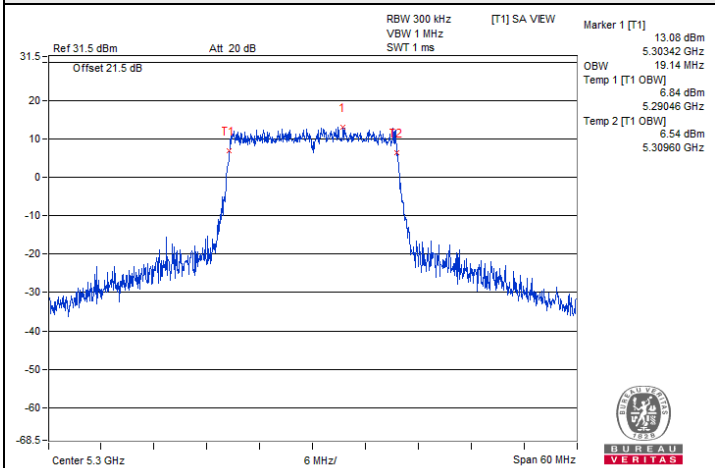
802.11ax (HE80) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	77.04	77.28

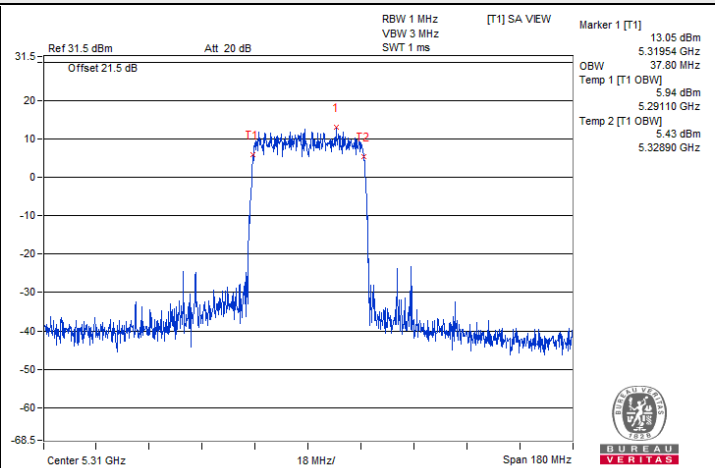
Spectrum Plot of Maximum Value



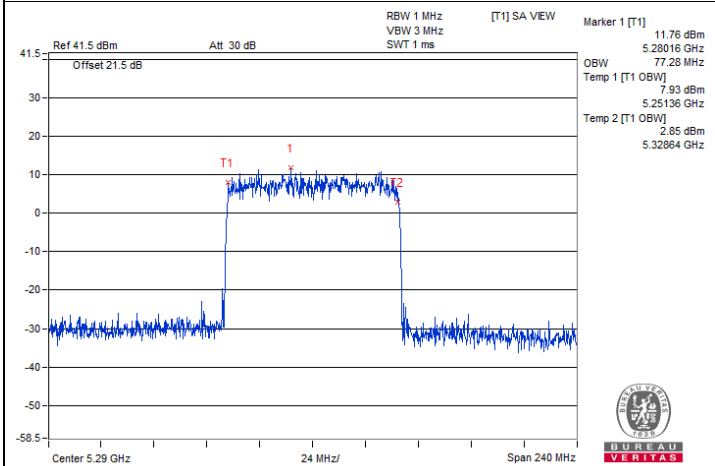
Spectrum Plot of Maximum Value



802.11ax (HE20) Beamforming / Chain1 : CH 60



802.11ax (HE40) Beamforming / Chain0 : CH 62



802.11ax (HE80) Beamforming / Chain1 : CH 58

Mode B

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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802.11a CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
100	5500	16.92	16.86	16.92	17.10
116	5580	16.92	16.80	16.86	16.80
140	5700	16.92	16.68	16.92	16.68
144 (U-NII-2C)	5720	13.46	13.40	13.40	13.46
144 (U-NII-3)	5720	3.46	3.34	3.40	3.40

802.11ax (HE20) CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
100	5500	19.08	19.14	19.14	19.08
116	5580	19.14	19.08	19.14	19.02
140	5700	19.02	19.02	18.96	18.96
144 (U-NII-2C)	5720	14.60	14.48	14.54	14.54
144 (U-NII-3)	5720	4.60	4.48	4.54	4.54

802.11ax (HE40) CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
102	5510	38.10	37.92	38.04	38.04
110	5550	38.04	37.92	38.04	38.04
134	5670	38.04	37.80	38.16	37.92
142 (U-NII-2C)	5710	34.08	33.90	34.02	33.90
142 (U-NII-3)	5710	3.96	3.96	3.96	4.02

802.11ax (HE80) CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
106	5530	77.52	77.04	77.52	77.04
122	5610	77.28	77.16	77.28	77.28
138 (U-NII-2C)	5690	73.64	73.52	73.64	73.40
138 (U-NII-3)	5690	3.52	3.64	3.64	3.76

802.11ax (HE160) CDD

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
114	5570	156.48	156.96	156.96	156.48

802.11ax (HE20) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
100	5500	19.26	19.20	19.14	19.14
116	5580	19.08	19.08	19.08	19.02
140	5700	19.14	19.08	19.02	19.02
144 (U-NII-2C)	5720	14.54	14.54	14.54	14.60
144 (U-NII-3)	5720	4.60	4.60	4.60	4.54

802.11ax (HE40) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
102	5510	37.98	38.34	37.98	37.98
110	5550	38.04	37.92	38.28	38.04
134	5670	38.16	37.92	37.92	38.04
142 (U-NII-2C)	5710	34.02	33.96	34.02	33.96
142 (U-NII-3)	5710	3.90	4.02	4.02	4.02

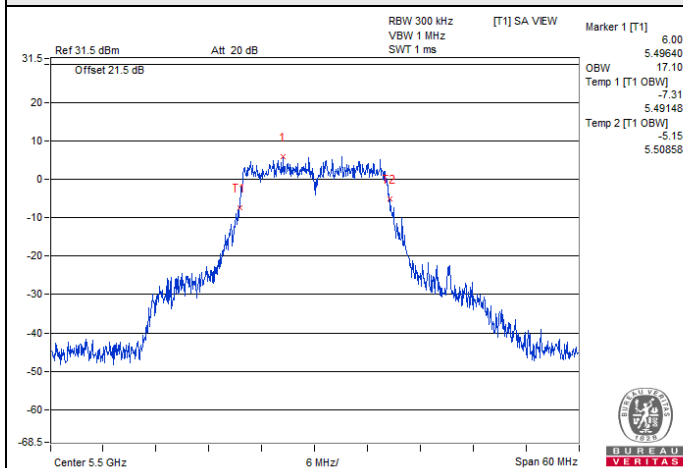
802.11ax (HE80) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
106	5530	77.28	77.28	77.52	77.28
122	5610	77.52	77.52	77.28	77.76
138 (U-NII-2C)	5690	73.64	73.64	73.52	73.52
138 (U-NII-3)	5690	3.76	3.64	3.64	3.64

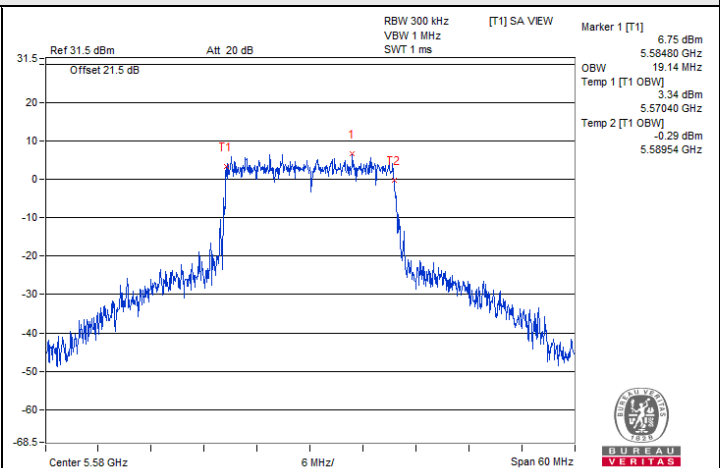
802.11ax (HE160) Beamforming

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
114	5570	156.48	156.48	156.48	156.96

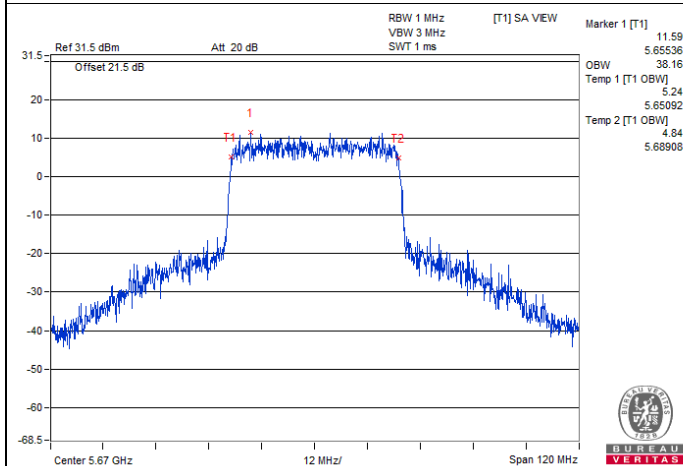
Spectrum Plot of Maximum Value



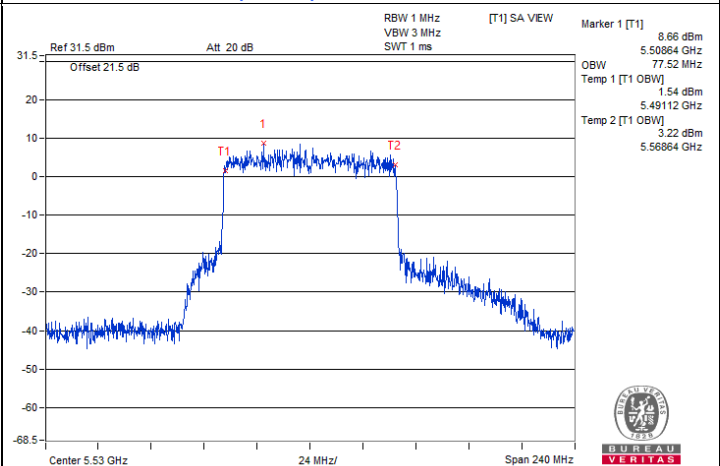
802.11a CDD / Chain3 : CH 100



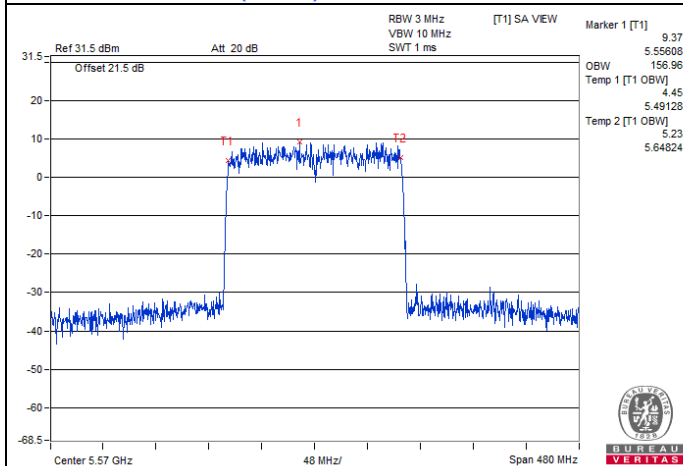
802.11ax (HE20) CDD / Chain0 : CH 116



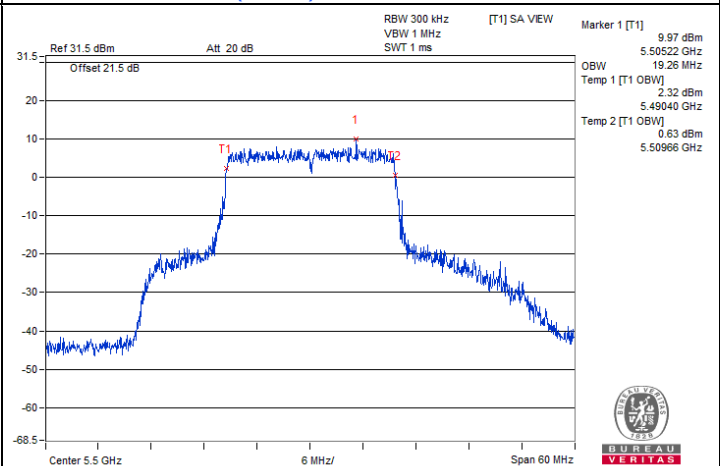
802.11ax (HE40) CDD / Chain2 : CH 134



802.11ax (HE80) CDD / Chain0 : CH 106

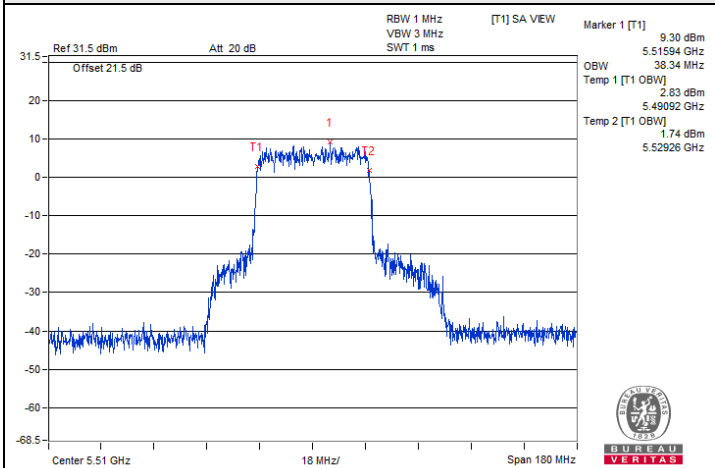


802.11ax (HE160) CDD / Chain1 : CH 114

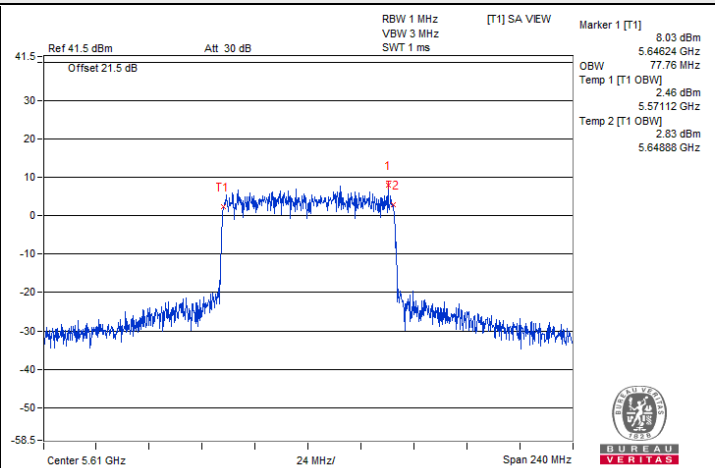


802.11ax (HE20) Beamforming / Chain0 : CH 100

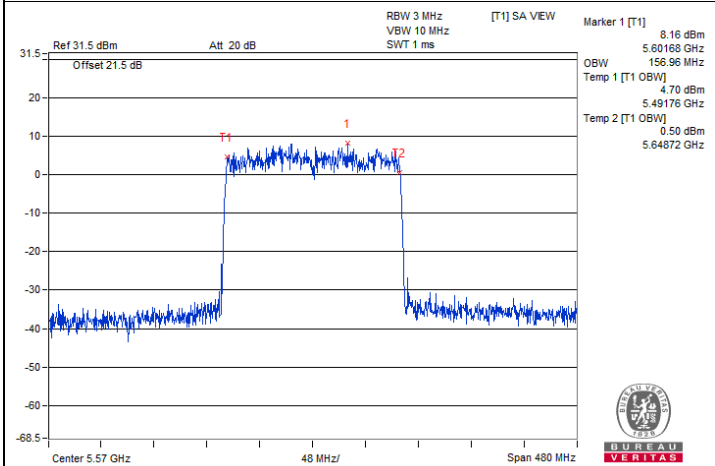
Spectrum Plot of Maximum Value



802.11ax (HE40) Beamforming / Chain1 : CH 102



802.11ax (HE80) Beamforming / Chain3 : CH 122



802.11ax (HE160) Beamforming / Chain3 : CH 114

7.6 Frequency Stability

Mode A

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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802.11a

Frequency Stability Versus Temperature									
Operating Frequency: 5260 MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
40	120	5260.0155	Pass	5260.0144	Pass	5260.0164	Pass	5260.0155	Pass
30	120	5260.0016	Pass	5260.0027	Pass	5260.0009	Pass	5260.0009	Pass
20	120	5259.992	Pass	5259.9948	Pass	5259.9918	Pass	5259.9916	Pass
10	120	5259.9935	Pass	5259.99	Pass	5259.9886	Pass	5259.989	Pass
0	120	5260.0053	Pass	5260.005	Pass	5260.0044	Pass	5260.0063	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5260 MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	138	5259.9947	Pass	5259.9916	Pass	5259.9941	Pass	5259.9947	Pass
	120	5259.992	Pass	5259.9948	Pass	5259.9918	Pass	5259.9916	Pass
	102	5259.9979	Pass	5259.9983	Pass	5259.9997	Pass	5260.0019	Pass

Mode B

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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802.11a

Frequency Stability Versus Temperature									
Operating Frequency: 5500 MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
40	120	5500.0193	Pass	5500.0181	Pass	5500.0203	Pass	5500.0193	Pass
30	120	5500.0049	Pass	5500.0005	Pass	5500.0041	Pass	5500.0041	Pass
20	120	5499.9948	Pass	5499.9977	Pass	5499.9946	Pass	5499.9959	Pass
10	120	5500.0068	Pass	5500.0087	Pass	5500.0072	Pass	5500.0091	Pass
0	120	5499.9858	Pass	5499.9855	Pass	5499.9849	Pass	5499.9813	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5500 MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	138	5499.9861	Pass	5499.9884	Pass	5499.9855	Pass	5499.9861	Pass
	120	5499.9948	Pass	5499.9977	Pass	5499.9946	Pass	5499.9959	Pass
	102	5499.995	Pass	5499.9954	Pass	5499.9914	Pass	5499.9937	Pass

7.7 AC Power Conducted Emissions

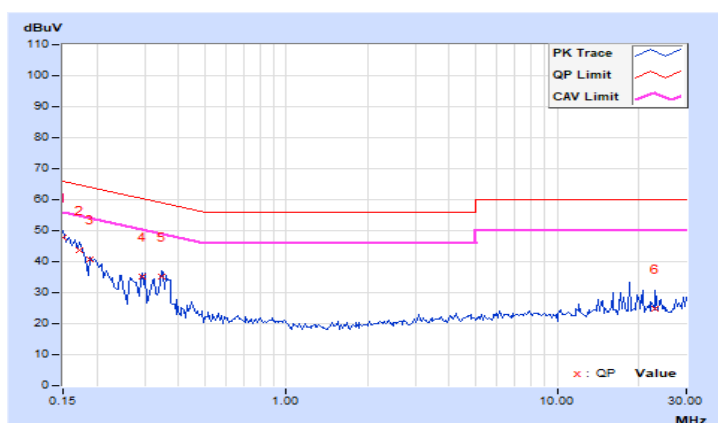
Mode A

RF Mode	TX 802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Sampson Chen		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.95	37.77	20.20	47.72	30.15	66.00	56.00	-18.28	-25.85
2	0.17344	9.95	33.86	15.35	43.81	25.30	64.79	54.79	-20.98	-29.49
3	0.18906	9.96	30.94	11.61	40.90	21.57	64.08	54.08	-23.18	-32.51
4	0.29453	9.96	25.17	8.39	35.13	18.35	60.40	50.40	-25.27	-32.05
5	0.34531	9.96	25.14	15.33	35.10	25.29	59.07	49.07	-23.97	-23.78
6	23.02344	11.25	13.73	-3.95	24.98	7.30	60.00	50.00	-35.02	-42.70

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

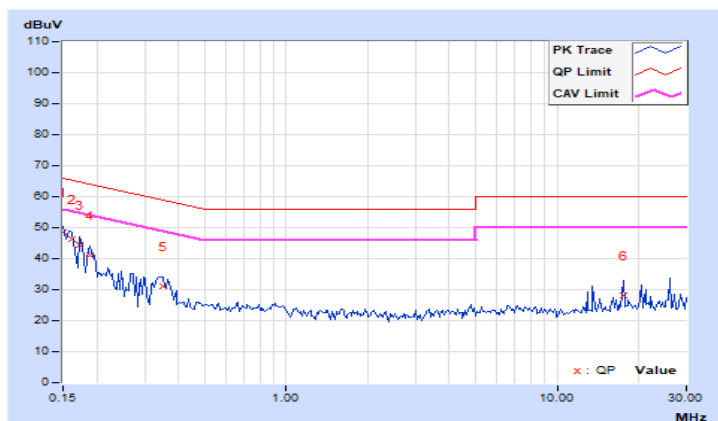


RF Mode	TX 802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Sampson Chen		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.95	38.52	21.00	48.47	30.95	66.00	56.00	-17.53	-25.05
2	0.16172	9.95	36.53	17.83	46.48	27.78	65.38	55.38	-18.90	-27.60
3	0.17344	9.95	34.45	16.50	44.40	26.45	64.79	54.79	-20.39	-28.34
4	0.18906	9.96	31.21	13.16	41.17	23.12	64.08	54.08	-22.91	-30.96
5	0.34922	9.96	21.28	15.56	31.24	25.52	58.98	48.98	-27.74	-23.46
6	17.64844	10.88	17.21	-1.04	28.09	9.84	60.00	50.00	-31.91	-40.16

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



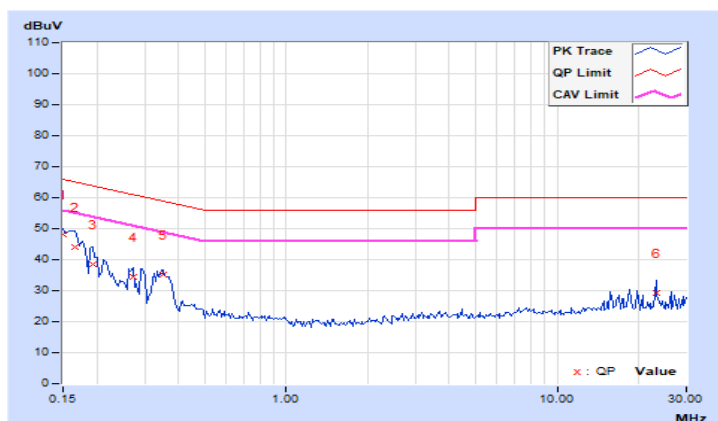
Mode B

RF Mode	TX 802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Sampson Chen		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.95	38.38	20.78	48.33	30.73	66.00	56.00	-17.67	-25.27
2	0.16562	9.95	34.00	16.32	43.95	26.27	65.18	55.18	-21.23	-28.91
3	0.19297	9.96	28.61	11.47	38.57	21.43	63.91	53.91	-25.34	-32.48
4	0.27109	9.96	24.34	7.93	34.30	17.89	61.08	51.08	-26.78	-33.19
5	0.34922	9.96	25.29	15.48	35.25	25.44	58.98	48.98	-23.73	-23.54
6	23.32422	11.26	18.03	-1.81	29.29	9.45	60.00	50.00	-30.71	-40.55

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

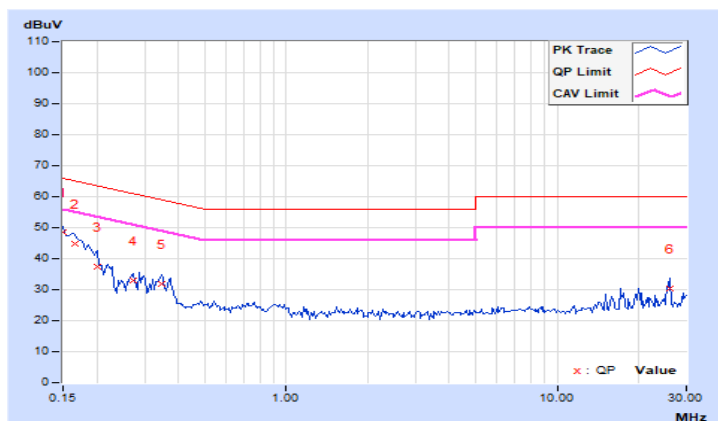


RF Mode	TX 802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Sampson Chen		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.95	38.48	21.08	48.43	31.03	66.00	56.00	-17.57	-24.97
2	0.16562	9.95	34.69	17.15	44.64	27.10	65.18	55.18	-20.54	-28.08
3	0.20078	9.96	27.41	11.49	37.37	21.45	63.58	53.58	-26.21	-32.13
4	0.27109	9.96	22.92	12.11	32.88	22.07	61.08	51.08	-28.20	-29.01
5	0.34531	9.96	22.03	15.66	31.99	25.62	59.07	49.07	-27.08	-23.45
6	26.01563	11.01	19.18	2.63	30.19	13.64	60.00	50.00	-29.81	-36.36

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



7.8 Unwanted Emissions below 1 GHz

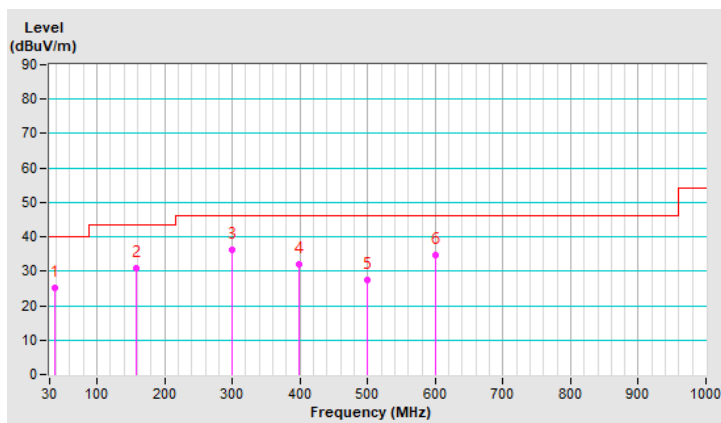
Mode A

RF Mode	TX 802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	36.94	25.3 QP	40.0	-14.7	1.50 H	220	38.5	-13.2
2	158.60	31.0 QP	43.5	-12.5	2.00 H	87	43.4	-12.4
3	300.41	36.3 QP	46.0	-9.7	1.00 H	119	48.3	-12.0
4	399.25	32.1 QP	46.0	-13.9	2.00 H	158	41.7	-9.6
5	499.34	27.4 QP	46.0	-18.6	3.00 H	76	34.8	-7.4
6	600.18	34.6 QP	46.0	-11.4	1.50 H	33	39.3	-4.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

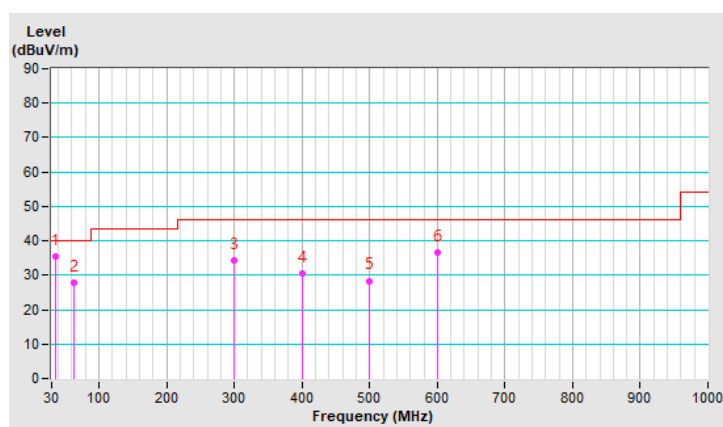


RF Mode	TX 802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	35.29	35.4 QP	40.0	-4.6	2.00 V	331	48.7	-13.3
2	63.37	27.7 QP	40.0	-12.3	1.00 V	268	41.0	-13.3
3	299.83	34.4 QP	46.0	-11.6	1.50 V	47	46.4	-12.0
4	399.70	30.4 QP	46.0	-15.6	1.00 V	208	40.0	-9.6
5	500.18	28.4 QP	46.0	-17.6	3.00 V	266	35.6	-7.2
6	599.92	36.5 QP	46.0	-9.5	1.00 V	116	41.2	-4.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



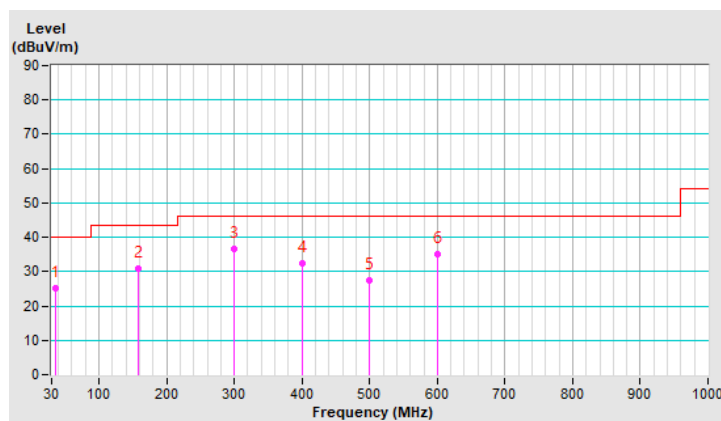
Mode B

RF Mode	TX 802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	36.56	25.1 QP	40.0	-14.9	2.00 H	212	38.4	-13.3
2	158.23	30.8 QP	43.5	-12.7	1.00 H	89	43.1	-12.3
3	300.62	36.5 QP	46.0	-9.5	1.00 H	137	48.5	-12.0
4	399.67	32.5 QP	46.0	-13.5	1.50 H	172	42.1	-9.6
5	499.02	27.3 QP	46.0	-18.7	1.50 H	85	34.7	-7.4
6	600.32	35.2 QP	46.0	-10.8	2.00 H	60	39.8	-4.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

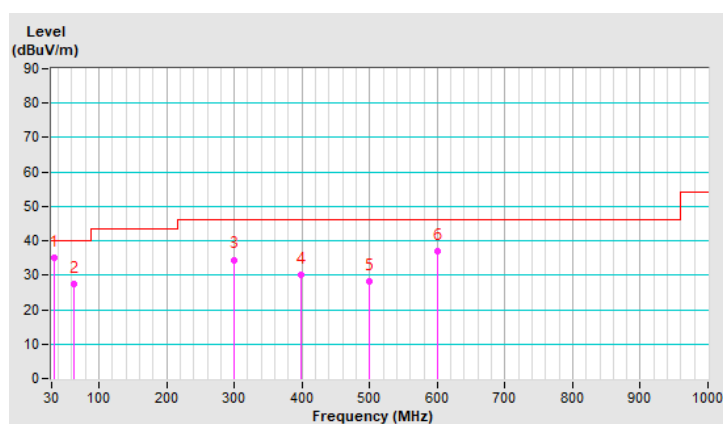


RF Mode	TX 802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	34.81	35.2 QP	40.0	-4.8	1.50 V	325	48.6	-13.4
2	63.22	27.3 QP	40.0	-12.7	1.00 V	272	40.6	-13.3
3	299.85	34.5 QP	46.0	-11.5	1.50 V	80	46.5	-12.0
4	399.47	30.1 QP	46.0	-15.9	1.00 V	194	39.7	-9.6
5	500.02	28.3 QP	46.0	-17.7	1.00 V	269	35.5	-7.2
6	600.54	36.9 QP	46.0	-9.1	3.00 V	114	41.5	-4.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



7.9 Unwanted Emissions above 1 GHz

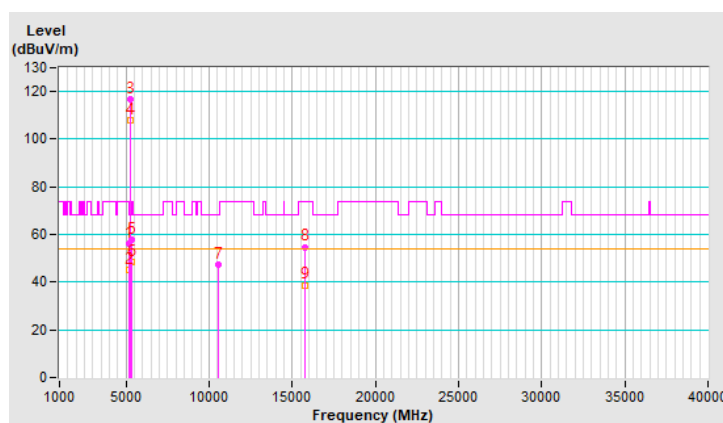
Mode A CDD Mode

RF Mode	TX 802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.3 PK	74.0	-17.7	1.58 H	157	51.4	4.9
2	5150.00	45.0 AV	54.0	-9.0	1.58 H	157	40.1	4.9
3	*5260.00	116.9 PK			1.58 H	157	112.5	4.4
4	*5260.00	107.9 AV			1.58 H	157	103.5	4.4
5	5356.80	57.6 PK	74.0	-16.4	1.58 H	157	53.1	4.5
6	5356.80	48.2 AV	54.0	-5.8	1.58 H	157	43.7	4.5
7	#10520.00	47.6 PK	68.2	-20.6	1.65 H	157	31.5	16.1
8	15780.00	54.8 PK	74.0	-19.2	2.56 H	154	38.5	16.3
9	15780.00	38.8 AV	54.0	-15.2	2.56 H	154	22.5	16.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

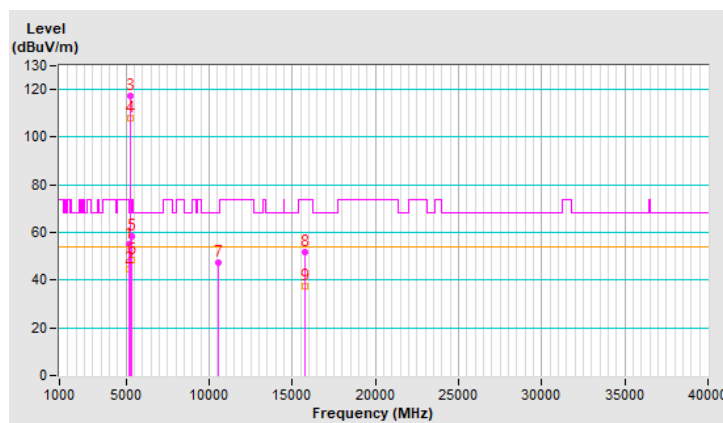


RF Mode	TX 802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.1 PK	74.0	-18.9	1.56 V	1	50.2	4.9
2	5150.00	44.7 AV	54.0	-9.3	1.56 V	1	39.8	4.9
3	*5260.00	117.5 PK			1.56 V	1	113.1	4.4
4	*5260.00	108.0 AV			1.56 V	1	103.6	4.4
5	5355.00	58.4 PK	74.0	-15.6	1.56 V	1	53.9	4.5
6	5355.00	48.6 AV	54.0	-5.4	1.56 V	1	44.1	4.5
7	#10520.00	47.2 PK	68.2	-21.0	1.47 V	257	31.1	16.1
8	15780.00	51.9 PK	74.0	-22.1	1.60 V	12	35.6	16.3
9	15780.00	37.4 AV	54.0	-16.6	1.60 V	12	21.1	16.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

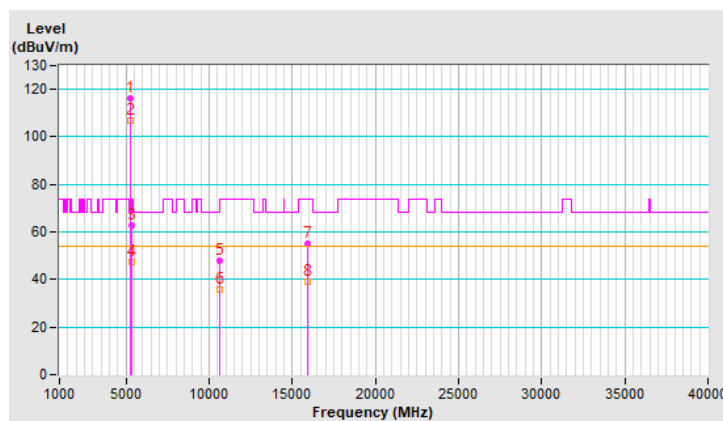


RF Mode	TX 802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	116.3 PK			1.61 H	145	111.9	4.4
2	*5300.00	106.7 AV			1.61 H	145	102.3	4.4
3	5350.00	62.9 PK	74.0	-11.1	1.61 H	145	58.4	4.5
4	5350.00	47.3 AV	54.0	-6.7	1.61 H	145	42.8	4.5
5	10600.00	47.7 PK	74.0	-26.3	1.66 H	168	31.9	15.8
6	10600.00	36.0 AV	54.0	-18.0	1.66 H	168	20.2	15.8
7	15900.00	55.1 PK	74.0	-18.9	2.62 H	168	38.8	16.3
8	15900.00	38.9 AV	54.0	-15.1	2.62 H	168	22.6	16.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

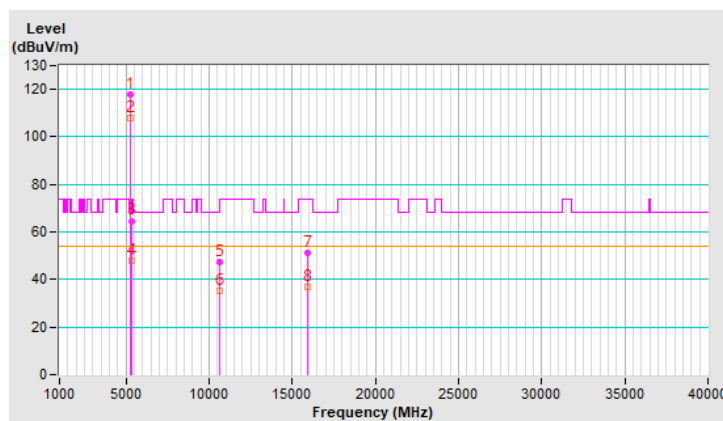


RF Mode	TX 802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	117.8 PK			1.56 V	348	113.4	4.4
2	*5300.00	107.8 AV			1.56 V	348	103.4	4.4
3	5350.00	64.7 PK	74.0	-9.3	1.56 V	348	60.2	4.5
4	5350.00	48.1 AV	54.0	-5.9	1.56 V	348	43.6	4.5
5	10600.00	47.2 PK	74.0	-26.8	1.43 V	255	31.4	15.8
6	10600.00	35.3 AV	54.0	-18.7	1.43 V	255	19.5	15.8
7	15900.00	51.4 PK	74.0	-22.6	1.58 V	6	35.1	16.3
8	15900.00	37.0 AV	54.0	-17.0	1.58 V	6	20.7	16.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

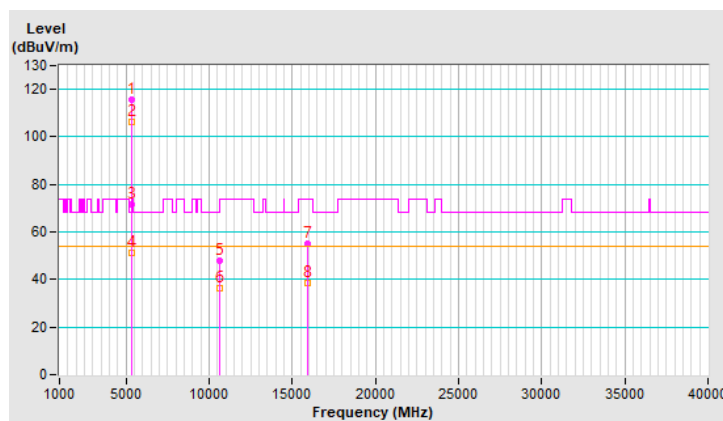


RF Mode	TX 802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	115.8 PK			1.67 H	160	111.4	4.4
2	*5320.00	106.4 AV			1.67 H	160	102.0	4.4
3	5350.00	71.8 PK	74.0	-2.2	1.67 H	160	67.3	4.5
4	5350.00	51.2 AV	54.0	-2.8	1.67 H	160	46.7	4.5
5	10640.00	48.0 PK	74.0	-26.0	1.64 H	159	32.3	15.7
6	10640.00	36.3 AV	54.0	-17.7	1.64 H	159	20.6	15.7
7	15960.00	54.9 PK	74.0	-19.1	2.50 H	163	38.7	16.2
8	15960.00	38.7 AV	54.0	-15.3	2.50 H	163	22.5	16.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

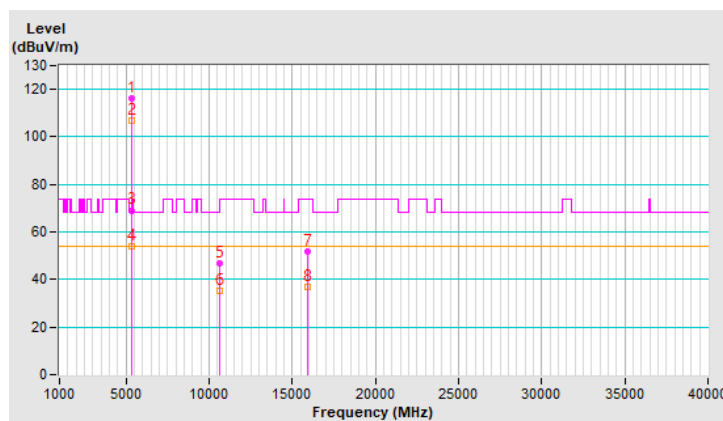


RF Mode	TX 802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	116.3 PK			1.45 V	358	111.9	4.4
2	*5320.00	107.0 AV			1.45 V	358	102.6	4.4
3	5350.00	69.1 PK	74.0	-4.9	1.45 V	358	64.6	4.5
4	5350.00	53.9 AV	54.0	-0.1	1.45 V	358	49.4	4.5
5	10640.00	46.8 PK	74.0	-27.2	1.49 V	256	31.1	15.7
6	10640.00	35.0 AV	54.0	-19.0	1.49 V	256	19.3	15.7
7	15960.00	51.6 PK	74.0	-22.4	1.63 V	15	35.4	16.2
8	15960.00	37.0 AV	54.0	-17.0	1.63 V	15	20.8	16.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

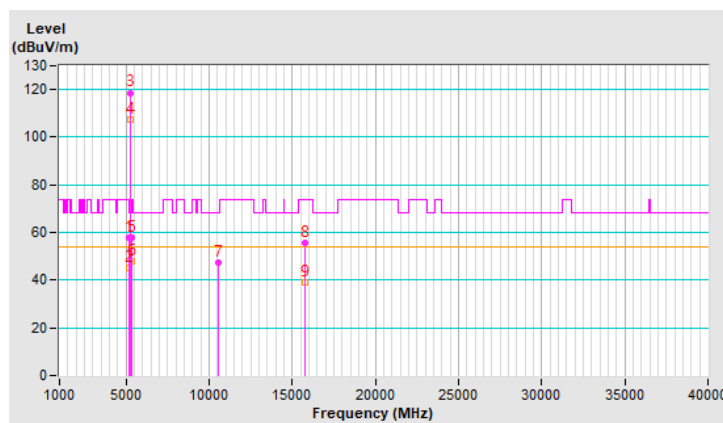


RF Mode	TX 802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.9 PK	74.0	-16.1	1.60 H	152	53.0	4.9
2	5150.00	45.0 AV	54.0	-9.0	1.60 H	152	40.1	4.9
3	*5260.00	118.7 PK			1.60 H	152	114.3	4.4
4	*5260.00	107.5 AV			1.60 H	152	103.1	4.4
5	5356.00	57.6 PK	74.0	-16.4	1.60 H	152	53.1	4.5
6	5356.00	47.7 AV	54.0	-6.3	1.60 H	152	43.2	4.5
7	#10520.00	47.4 PK	68.2	-20.8	1.61 H	155	31.3	16.1
8	15780.00	55.5 PK	74.0	-18.5	2.60 H	150	39.2	16.3
9	15780.00	39.3 AV	54.0	-14.7	2.60 H	150	23.0	16.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

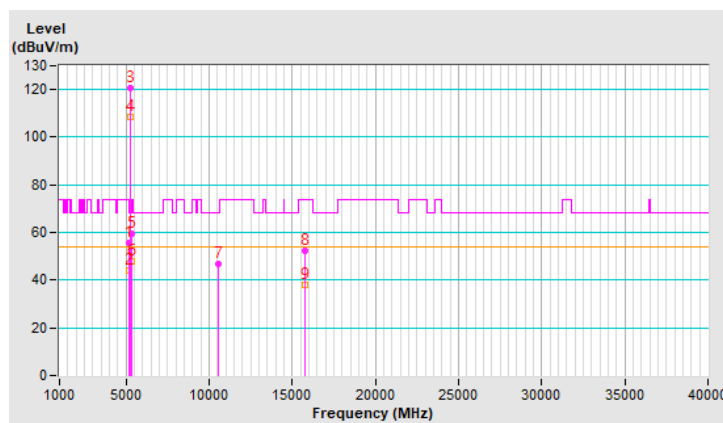


RF Mode	TX 802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.7 PK	74.0	-18.3	1.40 V	356	50.8	4.9
2	5150.00	44.3 AV	54.0	-9.7	1.40 V	356	39.4	4.9
3	*5260.00	120.5 PK			1.40 V	356	116.1	4.4
4	*5260.00	108.3 AV			1.40 V	356	103.9	4.4
5	5352.00	59.3 PK	74.0	-14.7	1.40 V	356	54.8	4.5
6	5352.00	48.0 AV	54.0	-6.0	1.40 V	356	43.5	4.5
7	#10520.00	46.9 PK	68.2	-21.3	1.52 V	247	30.8	16.1
8	15780.00	52.5 PK	74.0	-21.5	1.55 V	19	36.2	16.3
9	15780.00	37.8 AV	54.0	-16.2	1.55 V	19	21.5	16.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

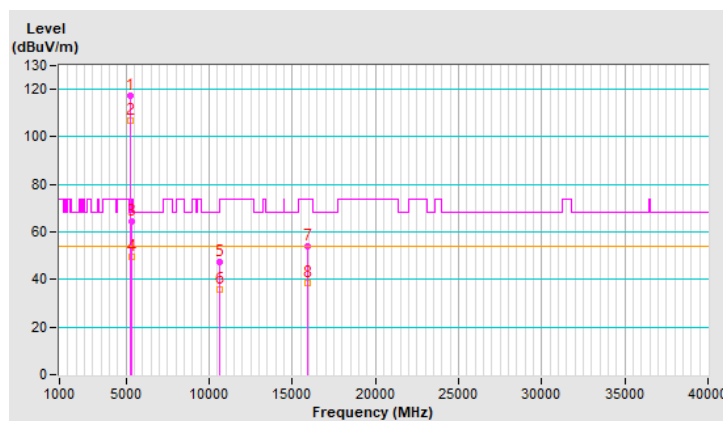


RF Mode	TX 802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	117.1 PK			1.63 H	165	112.7	4.4
2	*5300.00	106.7 AV			1.63 H	165	102.3	4.4
3	5350.00	64.3 PK	74.0	-9.7	1.63 H	165	59.8	4.5
4	5350.00	49.8 AV	54.0	-4.2	1.63 H	165	45.3	4.5
5	10600.00	47.6 PK	74.0	-26.4	1.61 H	154	31.8	15.8
6	10600.00	36.0 AV	54.0	-18.0	1.61 H	154	20.2	15.8
7	15900.00	54.2 PK	74.0	-19.8	2.55 H	149	37.9	16.3
8	15900.00	38.3 AV	54.0	-15.7	2.55 H	149	22.0	16.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

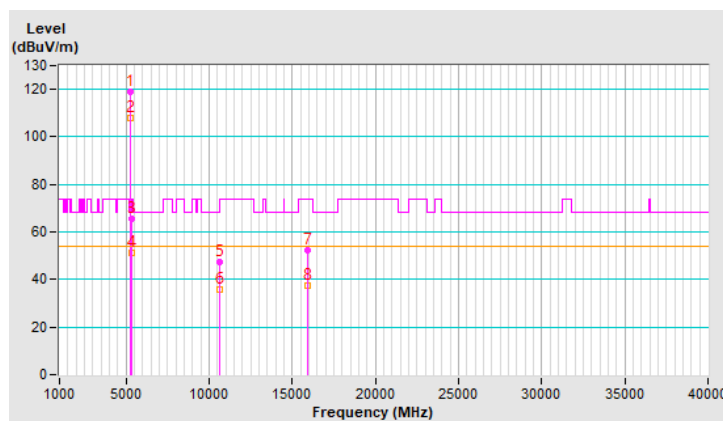


RF Mode	TX 802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	118.9 PK			1.27 V	355	114.5	4.4
2	*5300.00	107.9 AV			1.27 V	355	103.5	4.4
3	5350.00	65.6 PK	74.0	-8.4	1.27 V	355	61.1	4.5
4	5350.00	51.0 AV	54.0	-3.0	1.27 V	355	46.5	4.5
5	10600.00	47.3 PK	74.0	-26.7	1.43 V	246	31.5	15.8
6	10600.00	35.7 AV	54.0	-18.3	1.43 V	246	19.9	15.8
7	15900.00	52.1 PK	74.0	-21.9	1.69 V	55	35.8	16.3
8	15900.00	37.4 AV	54.0	-16.6	1.69 V	55	21.1	16.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

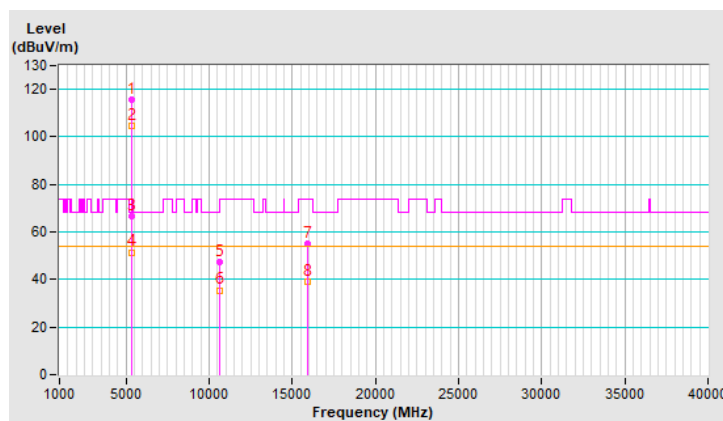


RF Mode	TX 802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	115.9 PK			1.63 H	155	111.5	4.4
2	*5320.00	104.5 AV			1.63 H	155	100.1	4.4
3	5350.00	66.6 PK	74.0	-7.4	1.63 H	155	62.1	4.5
4	5350.00	51.5 AV	54.0	-2.5	1.63 H	155	47.0	4.5
5	10640.00	47.3 PK	74.0	-26.7	1.63 H	156	31.6	15.7
6	10640.00	35.5 AV	54.0	-18.5	1.63 H	156	19.8	15.7
7	15960.00	55.3 PK	74.0	-18.7	2.56 H	163	39.1	16.2
8	15960.00	39.3 AV	54.0	-14.7	2.56 H	163	23.1	16.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

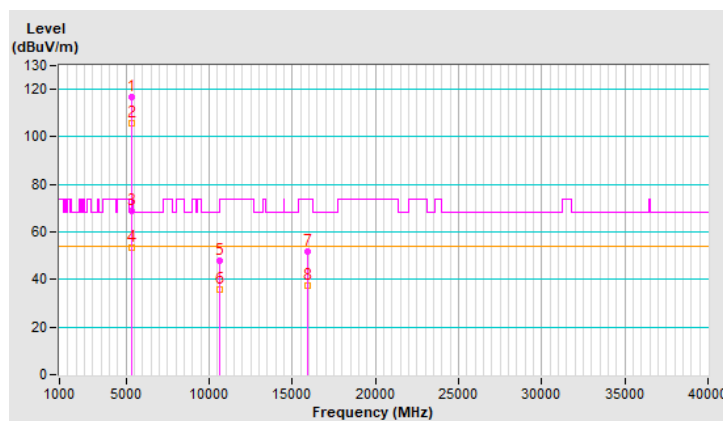


RF Mode	TX 802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	116.7 PK			1.43 V	355	112.3	4.4
2	*5320.00	105.5 AV			1.43 V	355	101.1	4.4
3	5350.00	68.9 PK	74.0	-5.1	1.43 V	355	64.4	4.5
4	5350.00	53.5 AV	54.0	-0.5	1.43 V	355	49.0	4.5
5	10640.00	47.7 PK	74.0	-26.3	1.58 V	259	32.0	15.7
6	10640.00	35.9 AV	54.0	-18.1	1.58 V	259	20.2	15.7
7	15960.00	51.9 PK	74.0	-22.1	1.60 V	31	35.7	16.2
8	15960.00	37.5 AV	54.0	-16.5	1.60 V	31	21.3	16.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

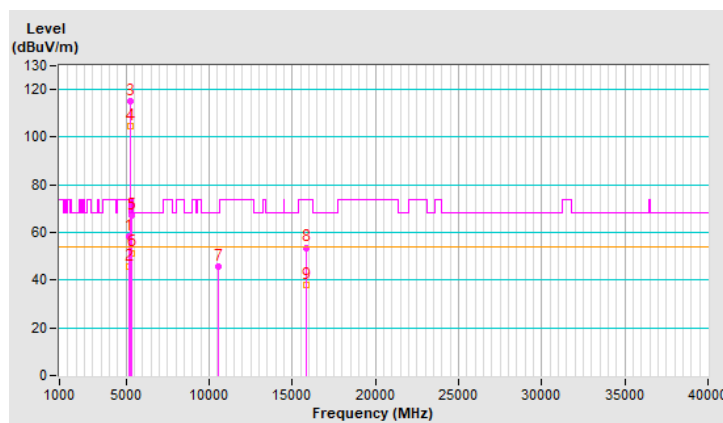


RF Mode	TX 802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.5 PK	74.0	-15.5	1.54 H	159	53.6	4.9
2	5150.00	45.8 AV	54.0	-8.2	1.54 H	159	40.9	4.9
3	*5270.00	115.1 PK			1.54 H	159	110.7	4.4
4	*5270.00	104.6 AV			1.54 H	159	100.2	4.4
5	5350.00	67.3 PK	74.0	-6.7	1.54 H	159	62.8	4.5
6	5350.00	51.5 AV	54.0	-2.5	1.54 H	159	47.0	4.5
7	#10540.00	45.7 PK	68.2	-22.5	1.67 H	158	29.7	16.0
8	15810.00	53.7 PK	74.0	-20.3	2.54 H	162	37.5	16.2
9	15810.00	38.2 AV	54.0	-15.8	2.54 H	162	22.0	16.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

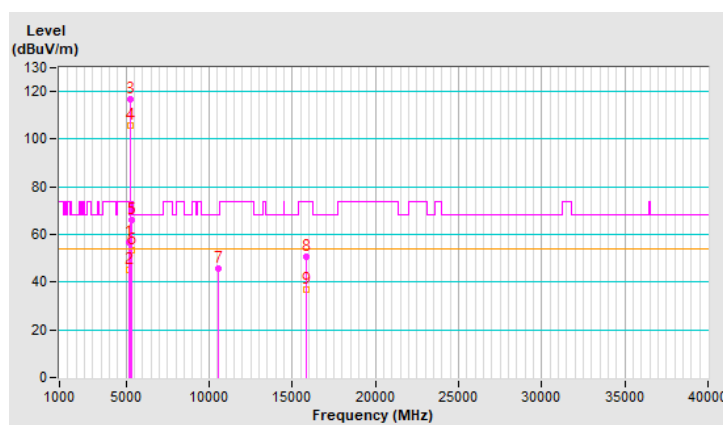


RF Mode	TX 802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.7 PK	74.0	-17.3	1.34 V	353	51.8	4.9
2	5150.00	45.4 AV	54.0	-8.6	1.34 V	353	40.5	4.9
3	*5270.00	116.9 PK			1.34 V	353	112.5	4.4
4	*5270.00	105.7 AV			1.34 V	353	101.3	4.4
5	5350.00	66.2 PK	74.0	-7.8	1.34 V	353	61.7	4.5
6	5350.00	53.2 AV	54.0	-0.8	1.34 V	353	48.7	4.5
7	#10540.00	45.8 PK	68.2	-22.4	1.58 V	244	29.8	16.0
8	15810.00	50.6 PK	74.0	-23.4	1.64 V	42	34.4	16.2
9	15810.00	36.7 AV	54.0	-17.3	1.64 V	42	20.5	16.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

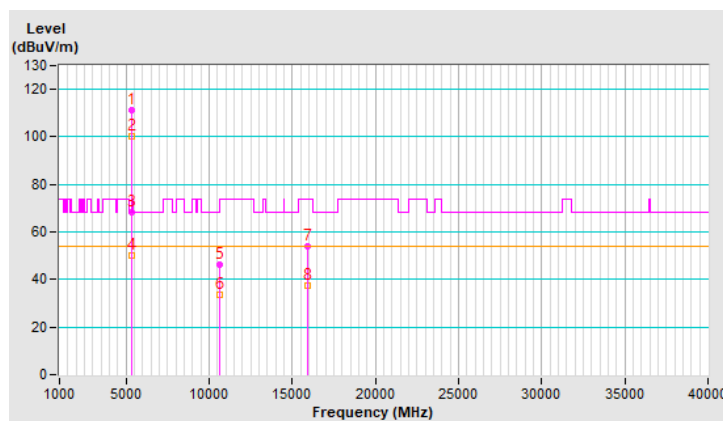


RF Mode	TX 802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	111.5 PK			1.56 H	156	107.1	4.4
2	*5310.00	100.1 AV			1.56 H	156	95.7	4.4
3	5350.00	68.3 PK	74.0	-5.7	1.56 H	156	63.8	4.5
4	5350.00	50.3 AV	54.0	-3.7	1.56 H	156	45.8	4.5
5	10620.00	46.0 PK	74.0	-28.0	1.67 H	169	30.2	15.8
6	10620.00	33.6 AV	54.0	-20.4	1.67 H	169	17.8	15.8
7	15930.00	53.8 PK	74.0	-20.2	2.55 H	174	37.6	16.2
8	15930.00	37.4 AV	54.0	-16.6	2.55 H	174	21.2	16.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

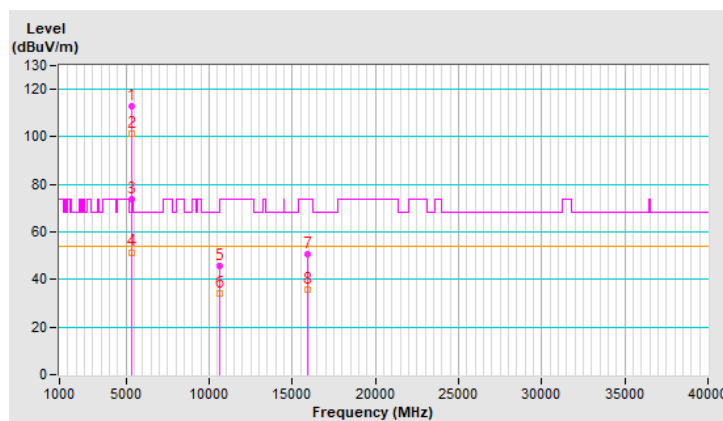


RF Mode	TX 802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	112.7 PK			1.27 V	354	108.3	4.4
2	*5310.00	101.3 AV			1.27 V	354	96.9	4.4
3	5350.00	73.6 PK	74.0	-0.4	1.27 V	354	69.1	4.5
4	5350.00	51.5 AV	54.0	-2.5	1.27 V	354	47.0	4.5
5	10620.00	45.5 PK	74.0	-28.5	1.62 V	248	29.7	15.8
6	10620.00	33.9 AV	54.0	-20.1	1.62 V	248	18.1	15.8
7	15930.00	50.7 PK	74.0	-23.3	1.59 V	28	34.5	16.2
8	15930.00	35.9 AV	54.0	-18.1	1.59 V	28	19.7	16.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

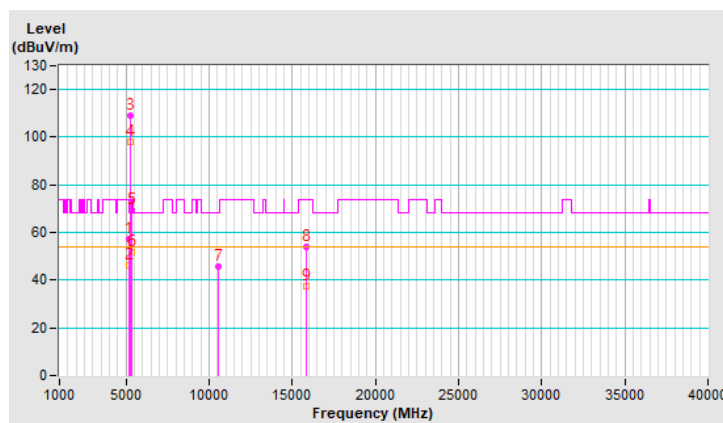


RF Mode	TX 802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.2 PK	74.0	-16.8	1.52 H	150	52.3	4.9
2	5150.00	46.0 AV	54.0	-8.0	1.52 H	150	41.1	4.9
3	*5290.00	108.9 PK			1.52 H	150	104.6	4.3
4	*5290.00	98.2 AV			1.52 H	150	93.9	4.3
5	5350.00	69.3 PK	74.0	-4.7	1.52 H	150	64.8	4.5
6	5350.00	51.7 AV	54.0	-2.3	1.52 H	150	47.2	4.5
7	#10580.00	45.7 PK	68.2	-22.5	1.60 H	156	29.7	16.0
8	15870.00	54.2 PK	74.0	-19.8	2.61 H	165	38.0	16.2
9	15870.00	37.6 AV	54.0	-16.4	2.61 H	165	21.4	16.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

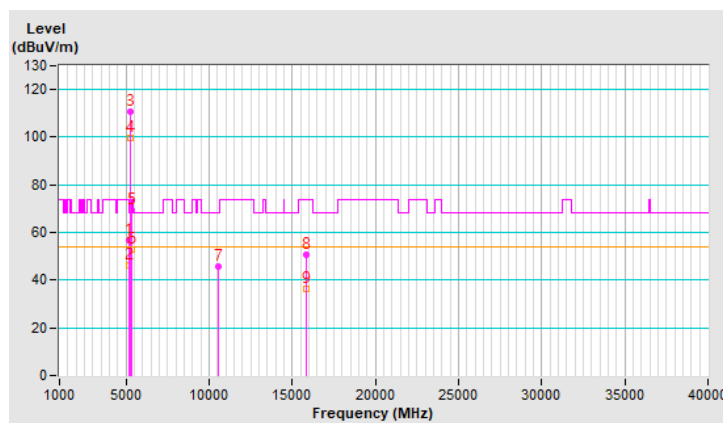


RF Mode	TX 802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.9 PK	74.0	-17.1	1.35 V	360	52.0	4.9
2	5150.00	46.1 AV	54.0	-7.9	1.35 V	360	41.2	4.9
3	*5290.00	110.7 PK			1.35 V	360	106.4	4.3
4	*5290.00	99.6 AV			1.35 V	360	95.3	4.3
5	5350.00	69.5 PK	74.0	-4.5	1.35 V	360	65.0	4.5
6	5350.00	53.1 AV	54.0	-0.9	1.35 V	360	48.6	4.5
7	#10580.00	45.8 PK	68.2	-22.4	1.57 V	251	29.8	16.0
8	15870.00	50.8 PK	74.0	-23.2	1.62 V	30	34.6	16.2
9	15870.00	36.1 AV	54.0	-17.9	1.62 V	30	19.9	16.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

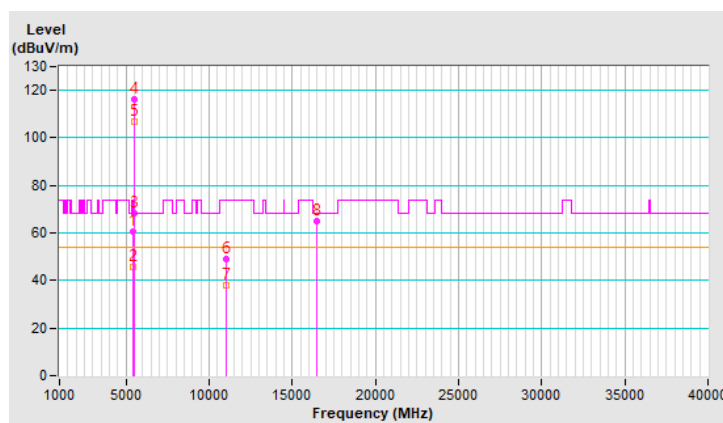


RF Mode	TX 802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5456.30	60.7 PK	74.0	-13.3	2.91 H	80	55.9	4.8
2	5456.30	45.5 AV	54.0	-8.5	2.91 H	80	40.7	4.8
3	#5470.00	68.1 PK	68.2	-0.1	2.91 H	80	63.3	4.8
4	*5500.00	116.4 PK			2.91 H	80	111.4	5.0
5	*5500.00	107.0 AV			2.91 H	80	102.0	5.0
6	11000.00	49.1 PK	74.0	-24.9	1.51 H	208	32.8	16.3
7	11000.00	38.1 AV	54.0	-15.9	1.51 H	208	21.8	16.3
8	#16500.00	64.8 PK	68.2	-3.4	1.47 H	21	47.1	17.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

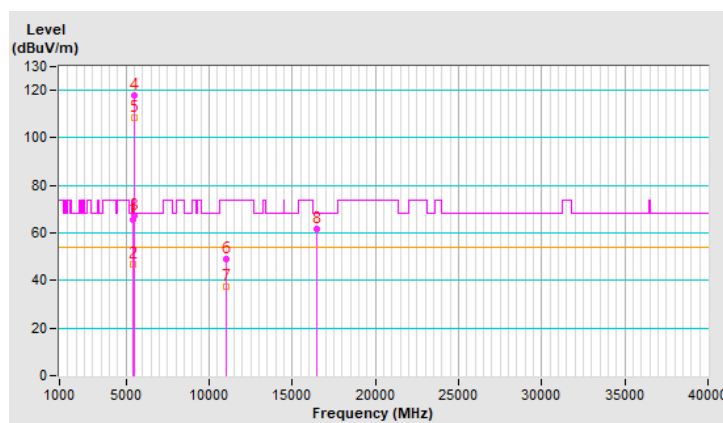


RF Mode	TX 802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	65.7 PK	74.0	-8.3	1.51 V	24	60.9	4.8
2	5460.00	47.0 AV	54.0	-7.0	1.51 V	24	42.2	4.8
3	#5461.90	67.3 PK	68.2	-0.9	1.51 V	24	62.5	4.8
4	*5500.00	117.7 PK			1.51 V	24	112.7	5.0
5	*5500.00	108.6 AV			1.51 V	24	103.6	5.0
6	11000.00	48.8 PK	74.0	-25.2	1.30 V	184	32.5	16.3
7	11000.00	37.6 AV	54.0	-16.4	1.30 V	184	21.3	16.3
8	#16500.00	61.8 PK	68.2	-6.4	3.73 V	23	44.1	17.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

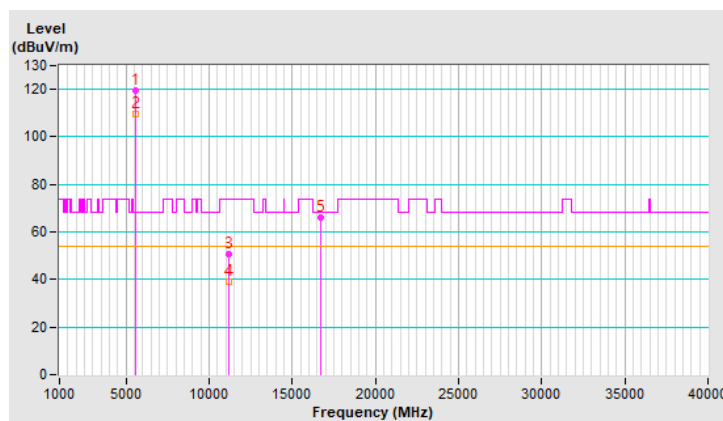


RF Mode	TX 802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	119.6 PK			3.05 H	87	114.4	5.2
2	*5580.00	109.7 AV			3.05 H	87	104.5	5.2
3	11160.00	50.5 PK	74.0	-23.5	1.50 H	209	34.2	16.3
4	11160.00	39.2 AV	54.0	-14.8	1.50 H	209	22.9	16.3
5	#16740.00	66.3 PK	68.2	-1.9	1.50 H	6	47.1	19.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

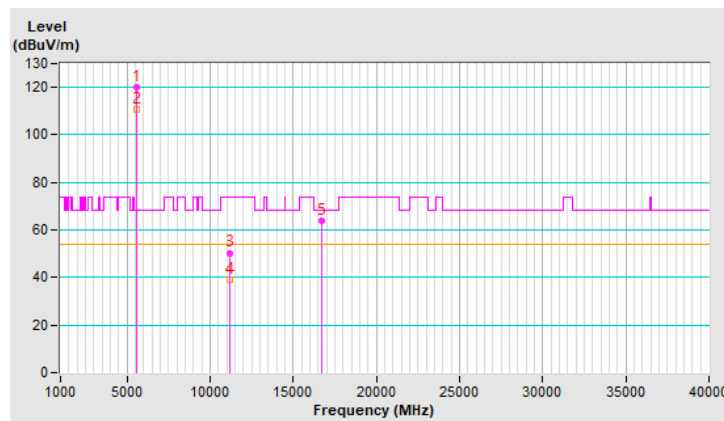


RF Mode	TX 802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	120.3 PK			1.54 V	33	115.1	5.2
2	*5580.00	110.8 AV			1.54 V	33	105.6	5.2
3	11160.00	50.4 PK	74.0	-23.6	1.25 V	168	34.1	16.3
4	11160.00	39.1 AV	54.0	-14.9	1.25 V	168	22.8	16.3
5	#16740.00	63.7 PK	68.2	-4.5	3.72 V	7	44.5	19.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

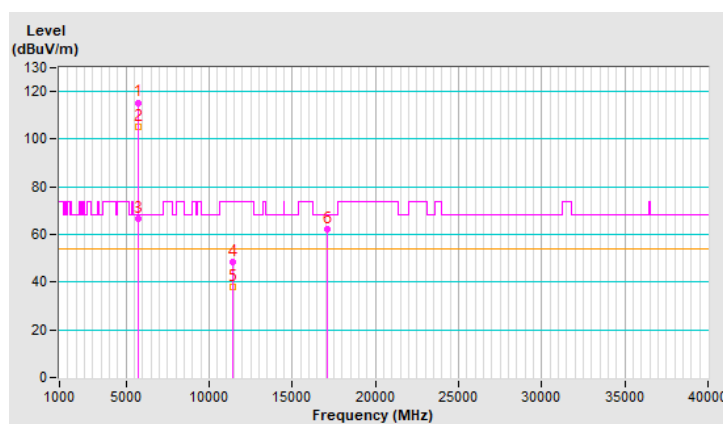


RF Mode	TX 802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	115.4 PK			1.37 H	56	110.2	5.2
2	*5700.00	105.4 AV			1.37 H	56	100.2	5.2
3	#5725.00	66.7 PK	68.2	-1.5	1.37 H	56	61.4	5.3
4	11400.00	48.7 PK	74.0	-25.3	1.51 H	199	31.8	16.9
5	11400.00	37.8 AV	54.0	-16.2	1.51 H	199	20.9	16.9
6	#17100.00	62.1 PK	68.2	-6.1	1.51 H	7	42.8	19.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

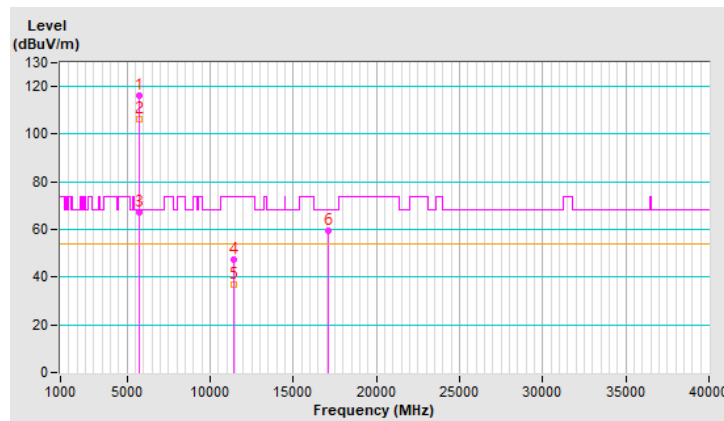


RF Mode	TX 802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	116.2 PK			1.49 V	42	111.0	5.2
2	*5700.00	106.5 AV			1.49 V	42	101.3	5.2
3	#5725.00	67.4 PK	68.2	-0.8	1.49 V	42	62.1	5.3
4	11400.00	47.6 PK	74.0	-26.4	1.27 V	181	30.7	16.9
5	11400.00	37.1 AV	54.0	-16.9	1.27 V	181	20.2	16.9
6	#17100.00	59.6 PK	68.2	-8.6	3.77 V	13	40.3	19.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

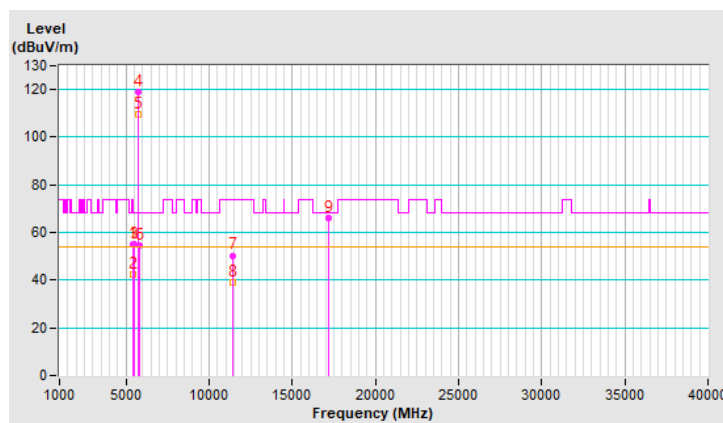


RF Mode	TX 802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	55.1 PK	74.0	-18.9	1.32 H	59	50.3	4.8
2	5460.00	42.4 AV	54.0	-11.6	1.32 H	59	37.6	4.8
3	#5470.00	55.0 PK	68.2	-13.2	1.32 H	59	50.2	4.8
4	*5720.00	119.2 PK			1.32 H	59	113.9	5.3
5	*5720.00	109.4 AV			1.32 H	59	104.1	5.3
6	#5850.00	54.7 PK	68.2	-13.5	1.32 H	59	49.0	5.7
7	11440.00	50.4 PK	74.0	-23.6	1.45 H	198	33.3	17.1
8	11440.00	38.9 AV	54.0	-15.1	1.45 H	198	21.8	17.1
9	#17160.00	66.0 PK	68.2	-2.2	1.55 H	7	46.5	19.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

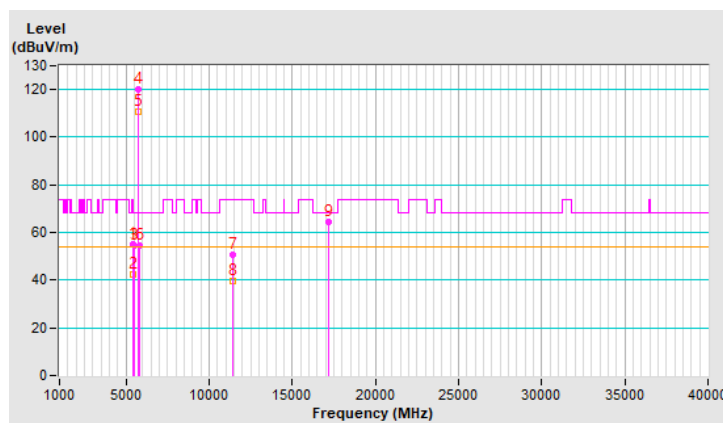


RF Mode	TX 802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	55.1 PK	74.0	-18.9	1.48 V	38	50.3	4.8
2	5460.00	42.5 AV	54.0	-11.5	1.48 V	38	37.7	4.8
3	#5470.00	54.7 PK	68.2	-13.5	1.48 V	38	49.9	4.8
4	*5720.00	120.0 PK			1.48 V	38	114.7	5.3
5	*5720.00	110.5 AV			1.48 V	38	105.2	5.3
6	#5850.00	54.7 PK	68.2	-13.5	1.48 V	38	49.0	5.7
7	11440.00	50.9 PK	74.0	-23.1	1.20 V	163	33.8	17.1
8	11440.00	39.6 AV	54.0	-14.4	1.20 V	163	22.5	17.1
9	#17160.00	64.4 PK	68.2	-3.8	3.69 V	3	44.9	19.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

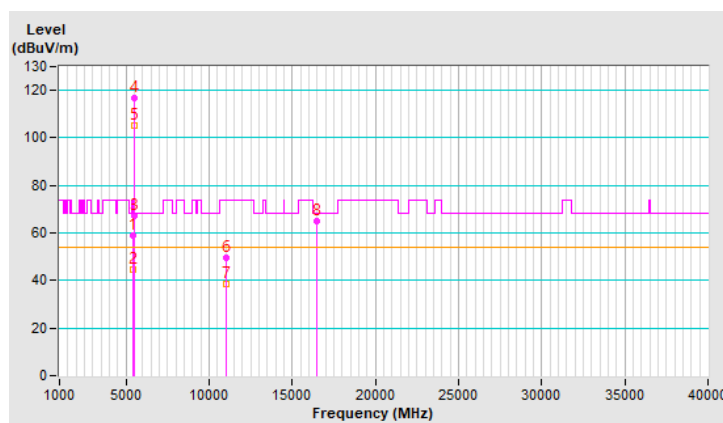


RF Mode	TX 802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.8 PK	74.0	-15.2	3.04 H	85	54.0	4.8
2	5460.00	44.6 AV	54.0	-9.4	3.04 H	85	39.8	4.8
3	#5470.00	67.0 PK	68.2	-1.2	3.04 H	85	62.2	4.8
4	*5500.00	116.8 PK			3.04 H	85	111.8	5.0
5	*5500.00	105.0 AV			3.04 H	85	100.0	5.0
6	11000.00	49.5 PK	74.0	-24.5	1.51 H	224	33.2	16.3
7	11000.00	38.5 AV	54.0	-15.5	1.51 H	224	22.2	16.3
8	#16500.00	65.0 PK	68.2	-3.2	1.49 H	11	47.3	17.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

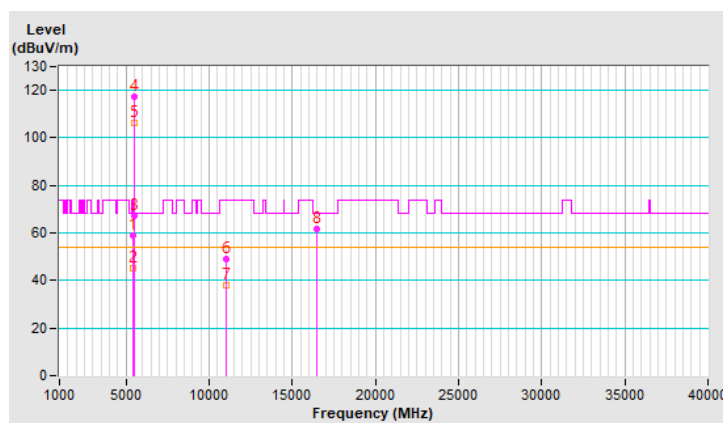


RF Mode	TX 802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.1 PK	74.0	-14.9	2.61 V	26	54.3	4.8
2	5460.00	45.2 AV	54.0	-8.8	2.61 V	26	40.4	4.8
3	#5470.00	67.4 PK	68.2	-0.8	2.61 V	26	62.6	4.8
4	*5500.00	117.4 PK			2.61 V	26	112.4	5.0
5	*5500.00	106.1 AV			2.61 V	26	101.1	5.0
6	11000.00	49.0 PK	74.0	-25.0	1.31 V	172	32.7	16.3
7	11000.00	37.8 AV	54.0	-16.2	1.31 V	172	21.5	16.3
8	#16500.00	61.9 PK	68.2	-6.3	3.72 V	37	44.2	17.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

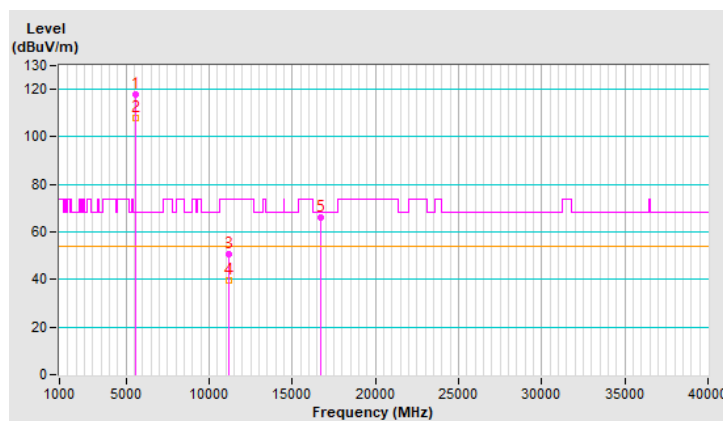


RF Mode	TX 802.11ax (HE20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	118.1 PK			2.97 H	77	112.9	5.2
2	*5580.00	108.0 AV			2.97 H	77	102.8	5.2
3	11160.00	50.6 PK	74.0	-23.4	1.45 H	202	34.3	16.3
4	11160.00	39.6 AV	54.0	-14.4	1.45 H	202	23.3	16.3
5	#16740.00	65.9 PK	68.2	-2.3	1.51 H	0	46.7	19.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

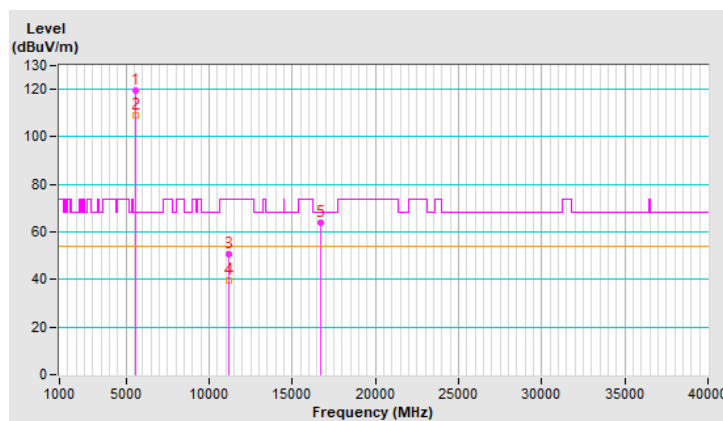


RF Mode	TX 802.11ax (HE20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	119.3 PK			3.39 V	27	114.1	5.2
2	*5580.00	109.0 AV			3.39 V	27	103.8	5.2
3	11160.00	50.9 PK	74.0	-23.1	1.30 V	156	34.6	16.3
4	11160.00	39.4 AV	54.0	-14.6	1.30 V	156	23.1	16.3
5	#16740.00	64.0 PK	68.2	-4.2	3.77 V	10	44.8	19.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

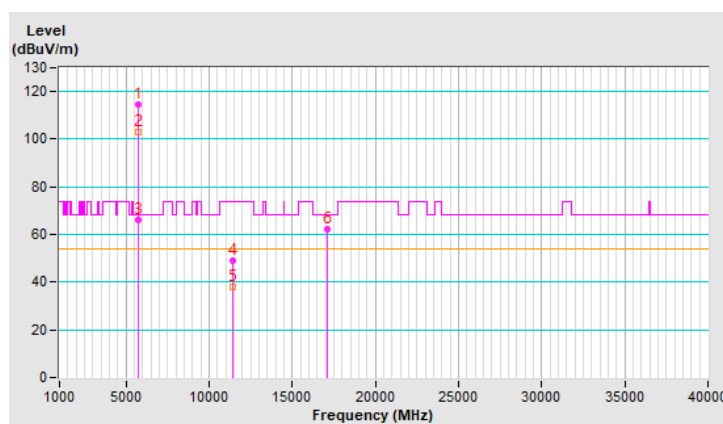


RF Mode	TX 802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	114.4 PK			2.92 H	68	109.2	5.2
2	*5700.00	103.1 AV			2.92 H	68	97.9	5.2
3	#5725.00	65.9 PK	68.2	-2.3	2.92 H	68	60.6	5.3
4	11400.00	49.0 PK	74.0	-25.0	1.55 H	185	32.1	16.9
5	11400.00	37.8 AV	54.0	-16.2	1.55 H	185	20.9	16.9
6	#17100.00	62.2 PK	68.2	-6.0	1.51 H	14	42.9	19.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

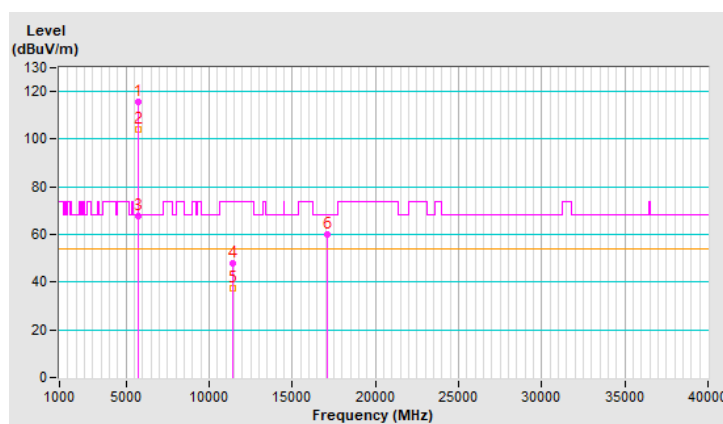


RF Mode	TX 802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	115.5 PK			1.34 V	30	110.3	5.2
2	*5700.00	104.0 AV			1.34 V	30	98.8	5.2
3	#5725.00	67.7 PK	68.2	-0.5	1.34 V	30	62.4	5.3
4	11400.00	48.1 PK	74.0	-25.9	1.28 V	194	31.2	16.9
5	11400.00	37.5 AV	54.0	-16.5	1.28 V	194	20.6	16.9
6	#17100.00	59.9 PK	68.2	-8.3	3.73 V	5	40.6	19.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

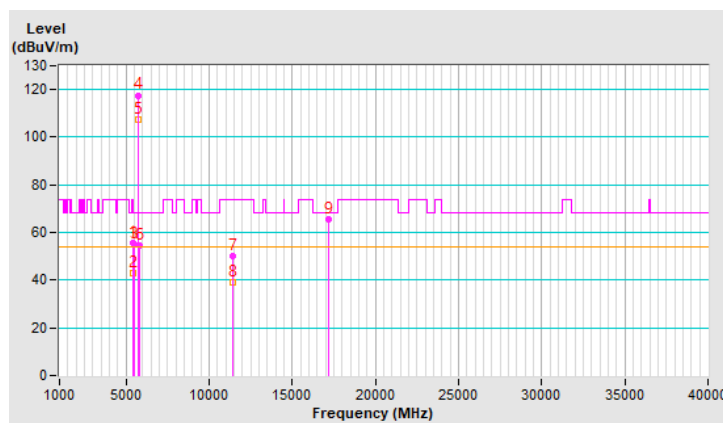


RF Mode	TX 802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	55.7 PK	74.0	-18.3	2.91 H	70	50.9	4.8
2	5460.00	42.9 AV	54.0	-11.1	2.91 H	70	38.1	4.8
3	#5470.00	55.0 PK	68.2	-13.2	2.91 H	70	50.2	4.8
4	*5720.00	117.6 PK			2.91 H	70	112.3	5.3
5	*5720.00	107.6 AV			2.91 H	70	102.3	5.3
6	#5850.00	54.3 PK	68.2	-13.9	2.91 H	70	48.6	5.7
7	11440.00	50.3 PK	74.0	-23.7	1.50 H	208	33.2	17.1
8	11440.00	39.0 AV	54.0	-15.0	1.50 H	208	21.9	17.1
9	#17160.00	65.7 PK	68.2	-2.5	1.55 H	15	46.2	19.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

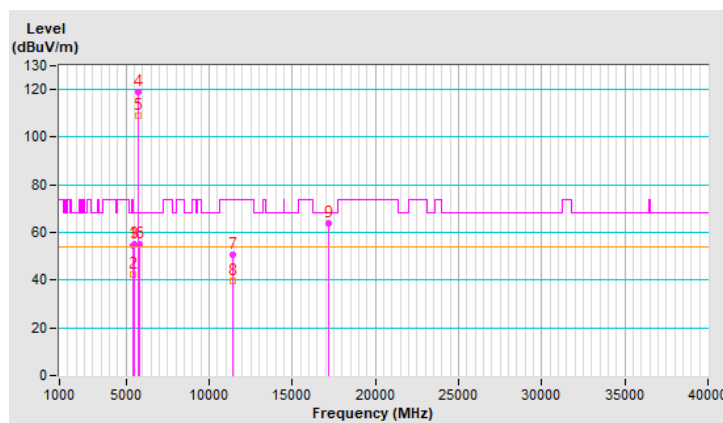


RF Mode	TX 802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	54.8 PK	74.0	-19.2	1.58 V	37	50.0	4.8
2	5460.00	42.2 AV	54.0	-11.8	1.58 V	37	37.4	4.8
3	#5470.00	55.1 PK	68.2	-13.1	1.58 V	37	50.3	4.8
4	*5720.00	118.9 PK			1.58 V	37	113.6	5.3
5	*5720.00	108.8 AV			1.58 V	37	103.5	5.3
6	#5850.00	55.0 PK	68.2	-13.2	1.58 V	37	49.3	5.7
7	11440.00	50.7 PK	74.0	-23.3	1.15 V	169	33.6	17.1
8	11440.00	39.6 AV	54.0	-14.4	1.15 V	169	22.5	17.1
9	#17160.00	63.9 PK	68.2	-4.3	3.66 V	10	44.4	19.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.



RF Mode	TX 802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	40°C, 68% RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.0 PK	74.0	-13.0	2.75 H	88	56.2	4.8
2	5460.00	45.8 AV	54.0	-8.2	2.75 H	88	41.0	4.8
3	#5464.00	66.6 PK	68.2	-1.6	2.75 H	88	61.8	4.8
4	*5510.00	113.5 PK			2.75 H	88	108.4	5.1
5	*5510.00	100.9 AV			2.75 H	88	95.8	5.1
6	11020.00	47.5 PK	74.0	-26.5	1.93 H	152	31.1	16.4
7	11020.00	36.1 AV	54.0	-17.9	1.93 H	152	19.7	16.4
8	#16530.00	60.9 PK	68.2	-7.3	3.09 H	317	43.1	17.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

