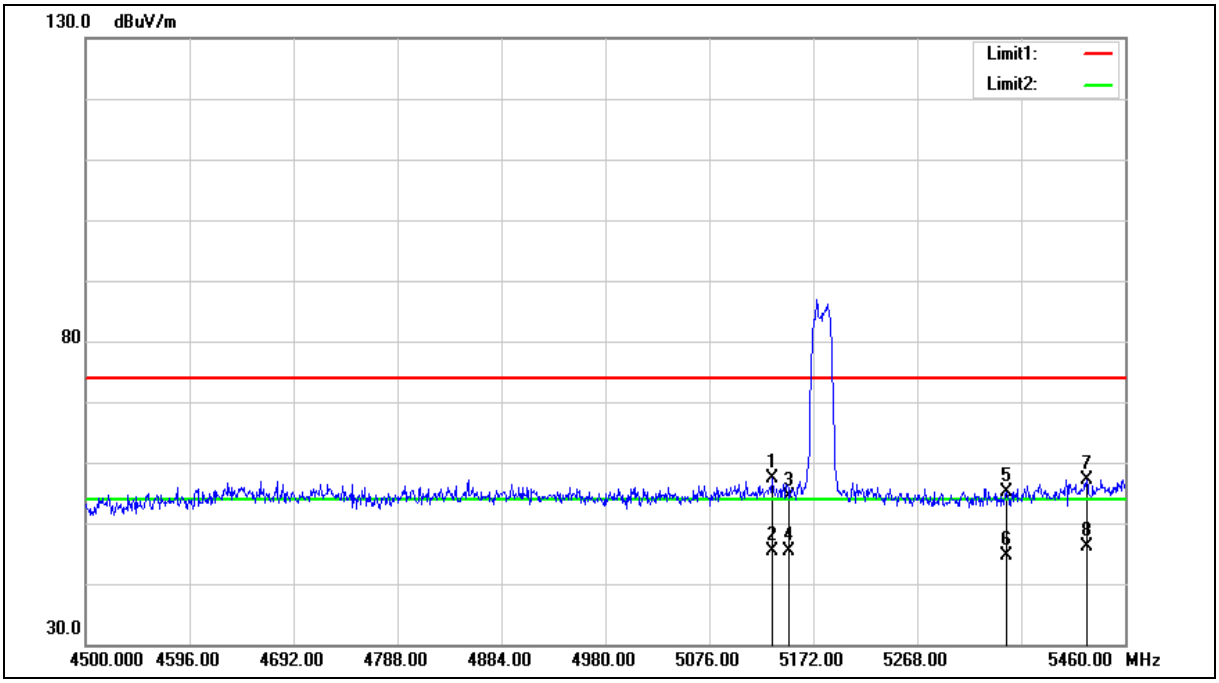
Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

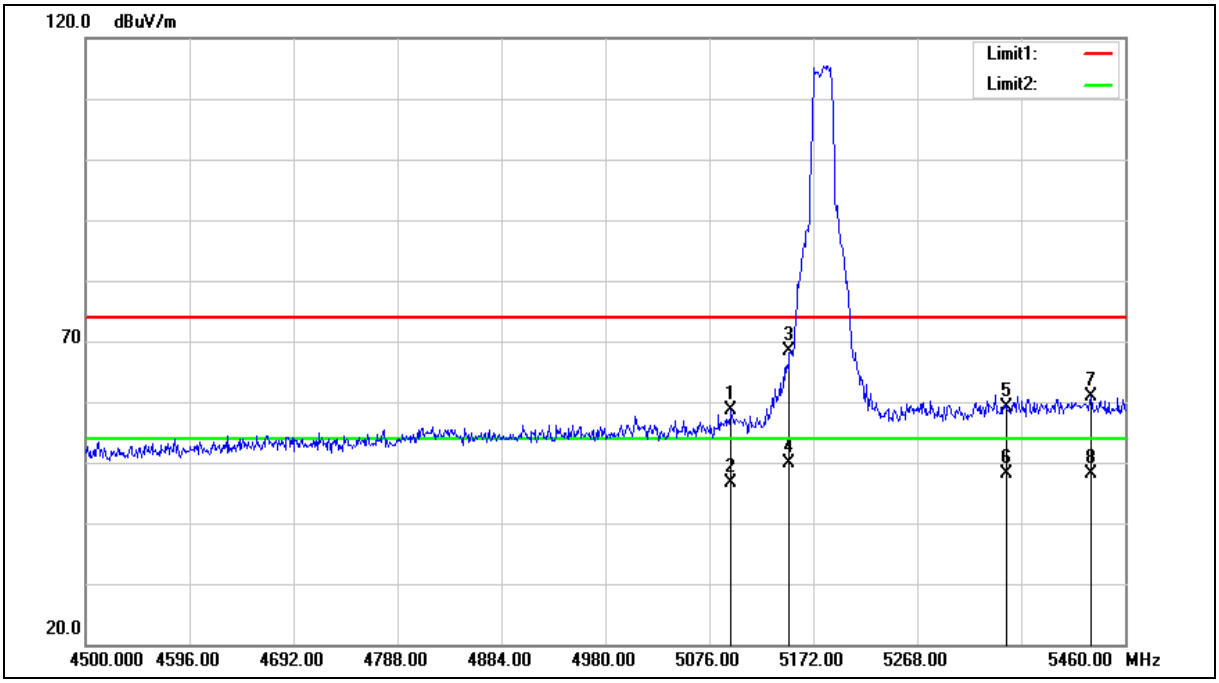
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5133.600	51.30	6.03	57.33	74.00	-16.67	peak
2	5133.600	39.25	6.03	45.28	54.00	-8.72	AVG
3	5150.000	48.38	6.07	54.45	74.00	-19.55	peak
4	5150.000	39.39	6.07	45.46	54.00	-8.54	AVG
5	5350.000	48.70	6.52	55.22	74.00	-18.78	peak
6	5350.000	38.15	6.52	44.67	54.00	-9.33	AVG
7	5424.480	50.36	6.69	57.05	74.00	-16.95	peak
8	5424.480	39.42	6.69	46.11	54.00	-7.89	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

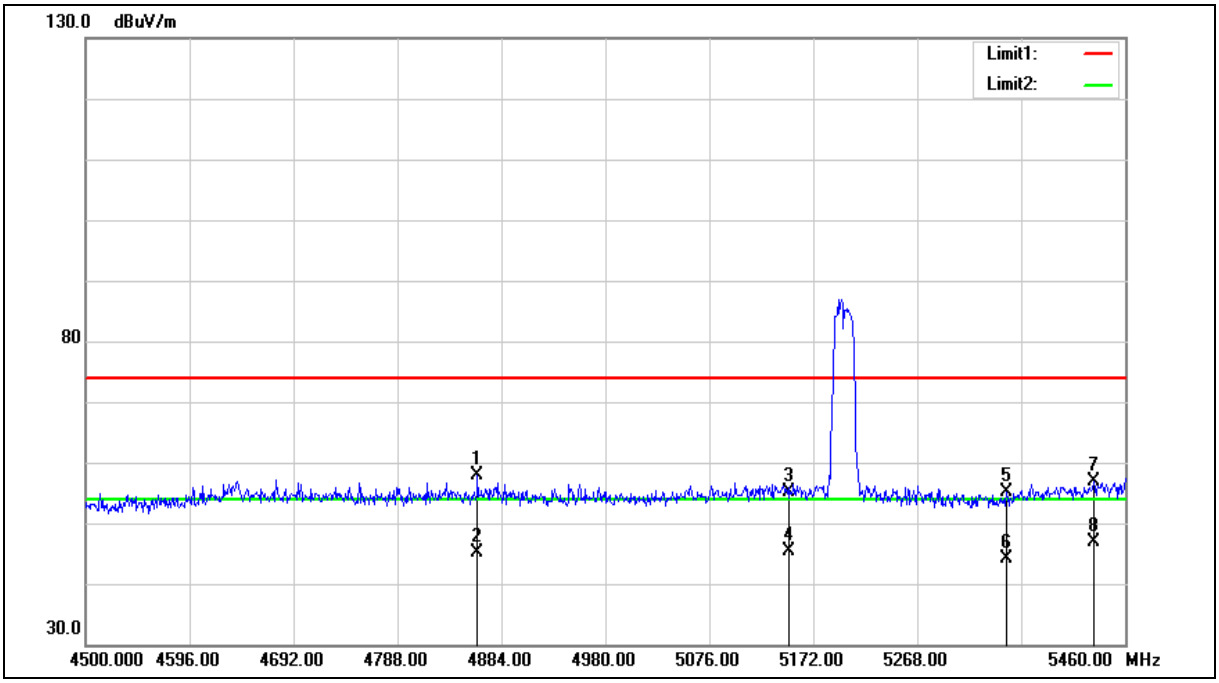
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5096.160	52.63	5.95	58.58	74.00	-15.42	peak
2	5096.160	40.78	5.95	46.73	54.00	-7.27	AVG
3	5150.000	62.38	6.07	68.45	74.00	-5.55	peak
4	5150.000	43.69	6.07	49.76	54.00	-4.24	AVG
5	5350.000	52.71	6.52	59.23	74.00	-14.77	peak
6	5350.000	41.58	6.52	48.10	54.00	-5.90	AVG
7	5428.320	54.26	6.70	60.96	74.00	-13.04	peak
8	5428.320	41.55	6.70	48.25	54.00	-5.75	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5200 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5200 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

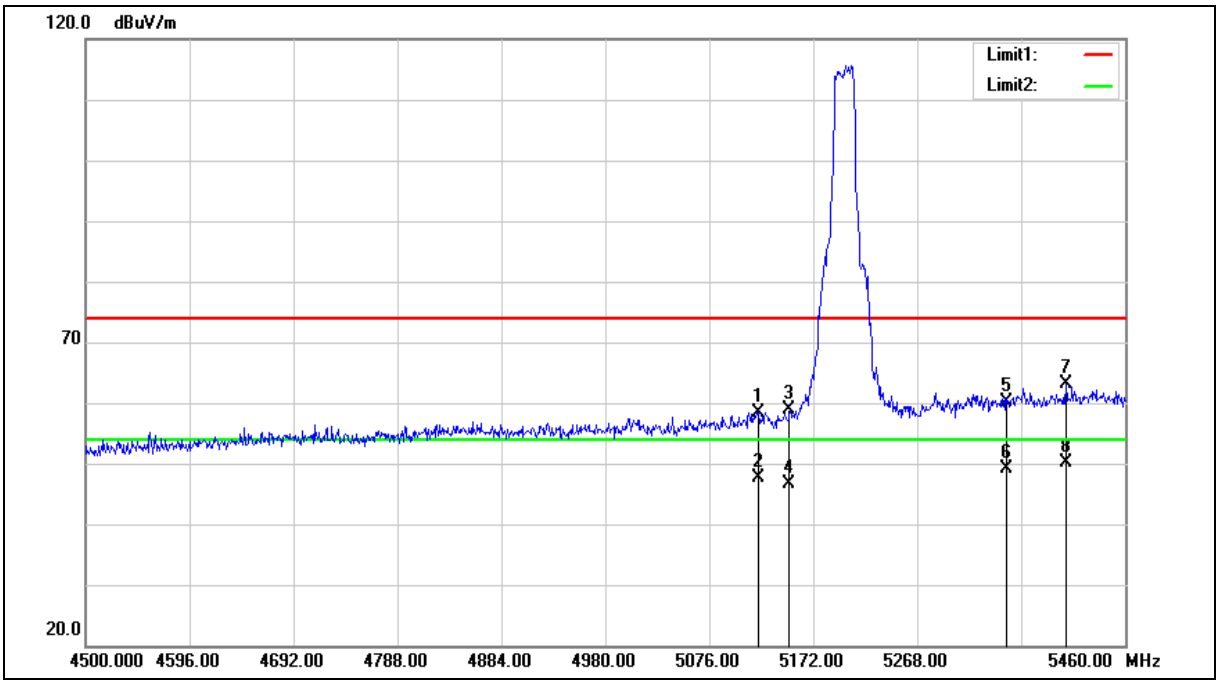
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4861.920	52.39	5.44	57.83	74.00	-16.17	peak
2	4861.920	39.71	5.44	45.15	54.00	-8.85	AVG
3	5150.000	48.94	6.07	55.01	74.00	-18.99	peak
4	5150.000	39.30	6.07	45.37	54.00	-8.63	AVG
5	5350.000	48.53	6.52	55.05	74.00	-18.95	peak
6	5350.000	37.73	6.52	44.25	54.00	-9.75	AVG
7	5431.200	50.17	6.71	56.88	74.00	-17.12	peak
8	5431.200	40.09	6.71	46.80	54.00	-7.20	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5200 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5200 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

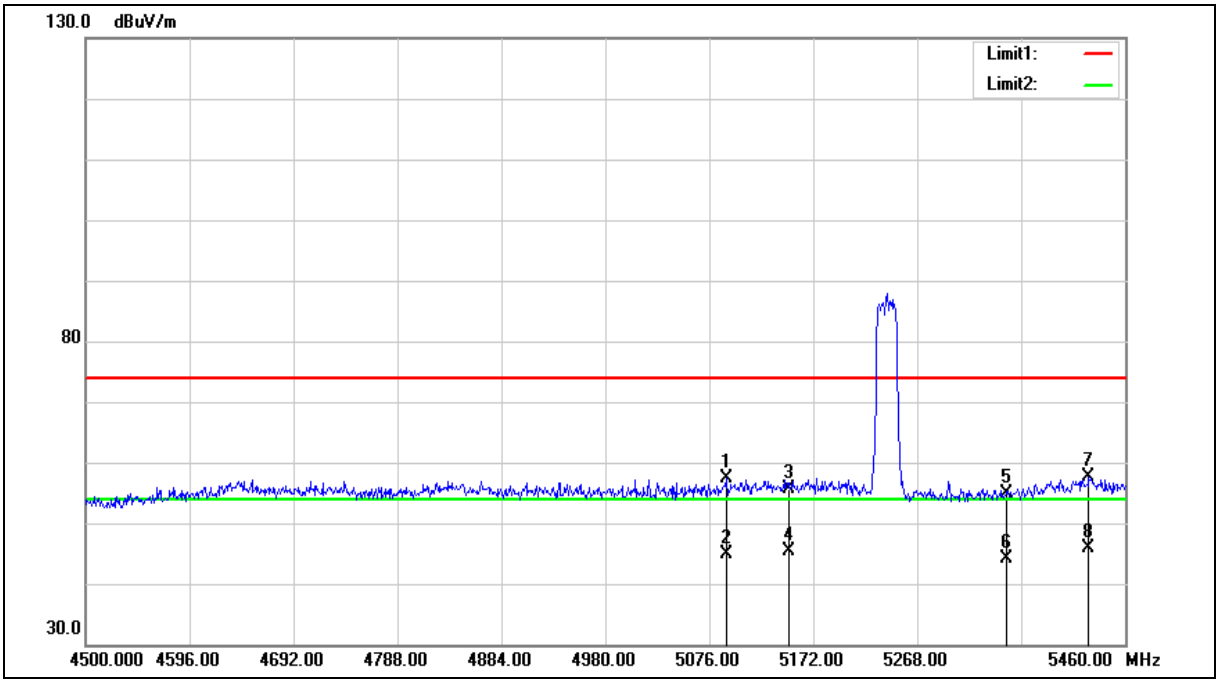
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5121.120	52.49	6.01	58.50	74.00	-15.50	peak
2	5121.120	41.62	6.01	47.63	54.00	-6.37	AVG
3	5150.000	52.92	6.07	58.99	74.00	-15.01	peak
4	5150.000	40.62	6.07	46.69	54.00	-7.31	AVG
5	5350.000	53.68	6.52	60.20	74.00	-13.80	peak
6	5350.000	42.65	6.52	49.17	54.00	-4.83	AVG
7	5405.280	56.56	6.64	63.20	74.00	-10.80	peak
8	5405.280	43.38	6.64	50.02	54.00	-3.98	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

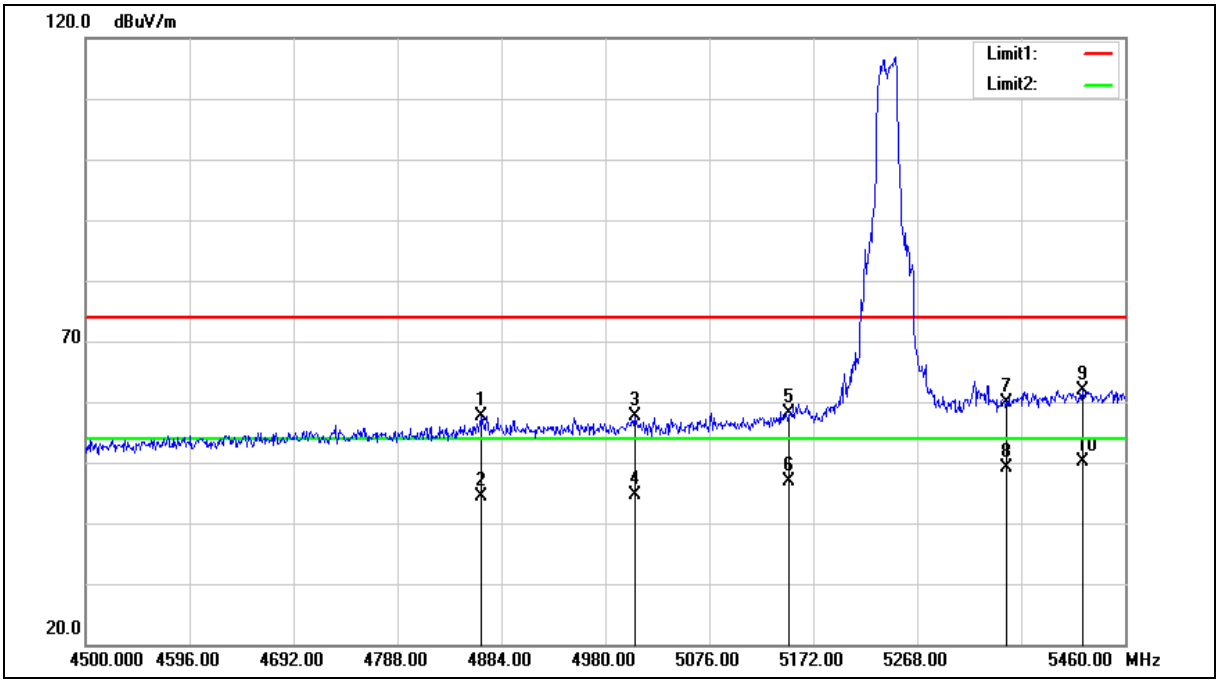
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5091.360	51.48	5.94	57.42	74.00	-16.58	peak
2	5091.360	39.02	5.94	44.96	54.00	-9.04	AVG
3	5150.000	49.62	6.07	55.69	74.00	-18.31	peak
4	5150.000	39.28	6.07	45.35	54.00	-8.65	AVG
5	5350.000	48.35	6.52	54.87	74.00	-19.13	peak
6	5350.000	37.55	6.52	44.07	54.00	-9.93	AVG
7	5426.400	50.89	6.70	57.59	74.00	-16.41	peak
8	5426.400	39.21	6.70	45.91	54.00	-8.09	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

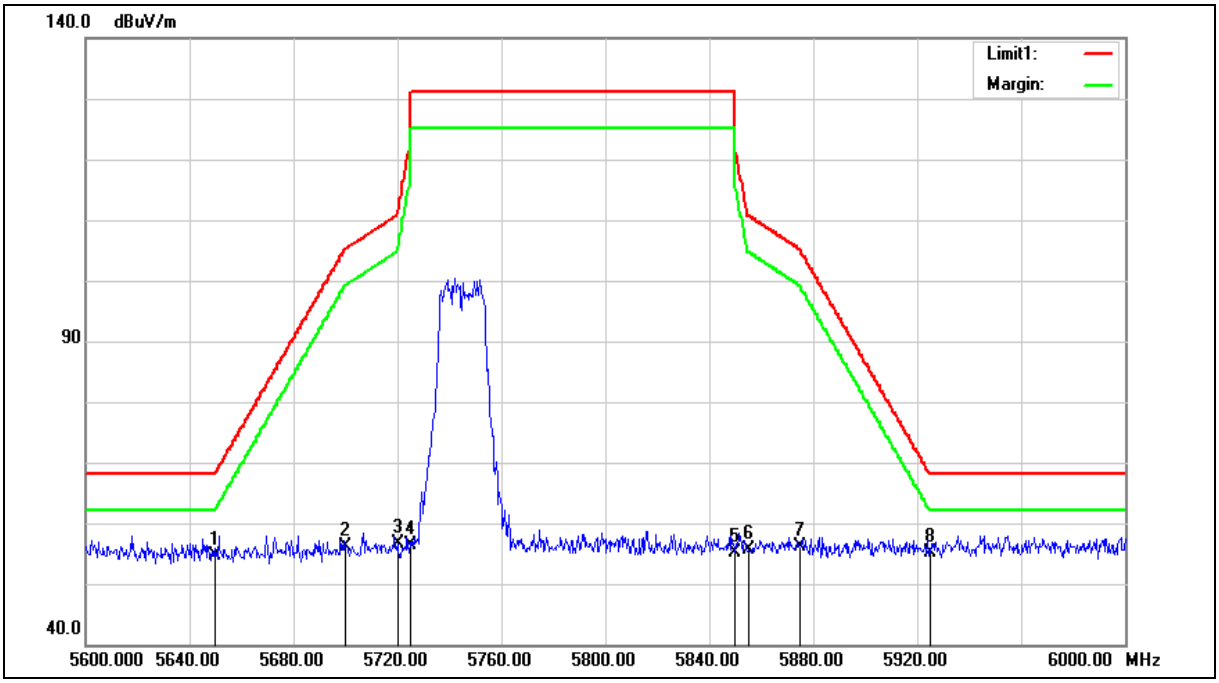
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4865.760	52.30	5.45	57.75	74.00	-16.25	peak
2	4865.760	38.95	5.45	44.40	54.00	-9.60	AVG
3	5006.880	51.77	5.74	57.51	74.00	-16.49	peak
4	5006.880	38.96	5.74	44.70	54.00	-9.30	AVG
5	5150.000	51.96	6.07	58.03	74.00	-15.97	peak
6	5150.000	40.92	6.07	46.99	54.00	-7.01	AVG
7	5350.000	53.40	6.52	59.92	74.00	-14.08	peak
8	5350.000	42.66	6.52	49.18	54.00	-4.82	AVG
9	5420.640	55.22	6.69	61.91	74.00	-12.09	peak
10	5420.640	43.43	6.69	50.12	54.00	-3.88	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

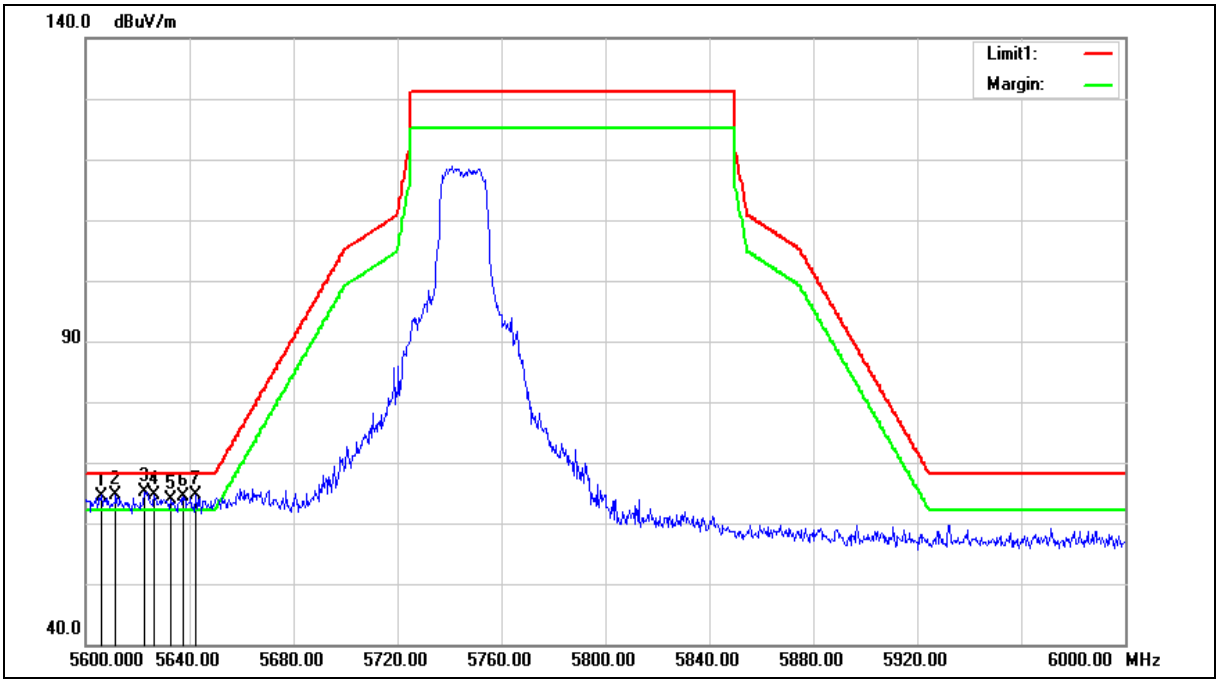
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.38	7.17	54.55	68.20	-13.65	peak
2	5700.000	48.83	7.27	56.10	105.20	-49.10	peak
3	5720.000	49.22	7.31	56.53	110.80	-54.27	peak
4	5725.000	49.17	7.32	56.49	122.20	-65.71	peak
5	5850.000	47.50	7.59	55.09	122.20	-67.11	peak
6	5855.000	48.08	7.60	55.68	110.80	-55.12	peak
7	5875.000	48.60	7.64	56.24	105.20	-48.96	peak
8	5925.000	47.44	7.75	55.19	68.20	-13.01	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

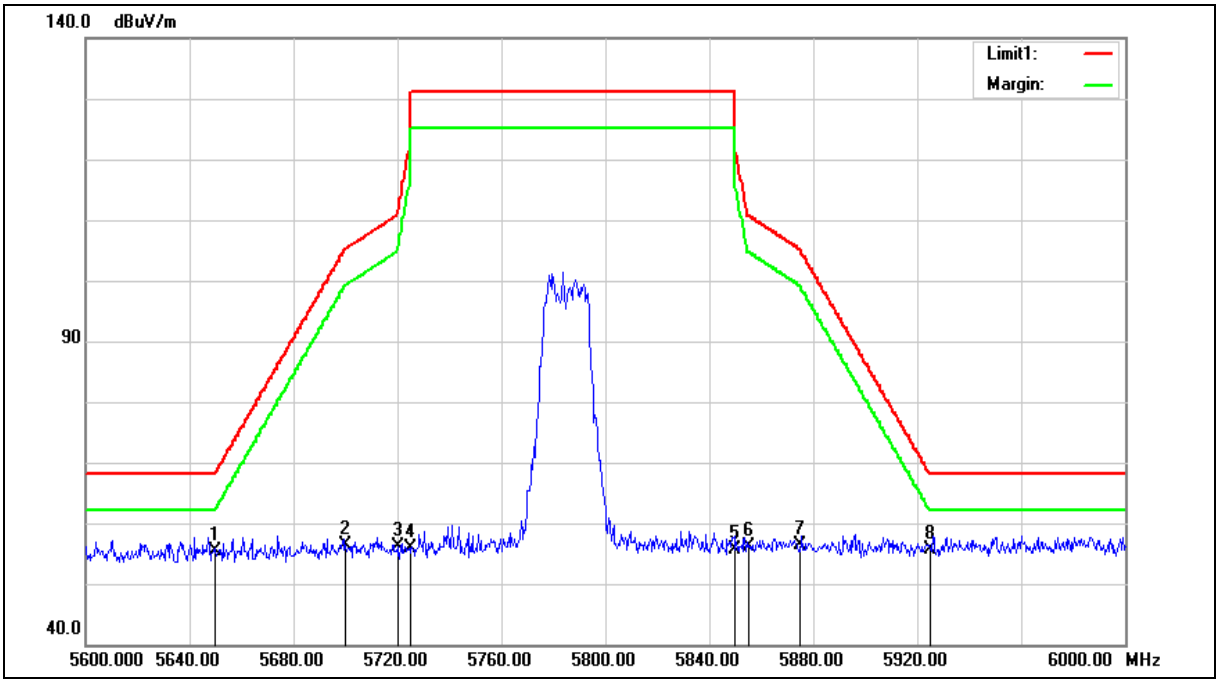
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5606.000	57.42	7.08	64.50	68.20	-3.70	peak
2	5611.600	57.62	7.10	64.72	68.20	-3.48	peak
3	5622.800	58.06	7.12	65.18	68.20	-3.02	peak
4	5626.400	57.41	7.12	64.53	68.20	-3.67	peak
5	5632.800	56.73	7.14	63.87	68.20	-4.33	peak
6	5637.600	57.34	7.15	64.49	68.20	-3.71	peak
7	5642.400	57.53	7.16	64.69	68.20	-3.51	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

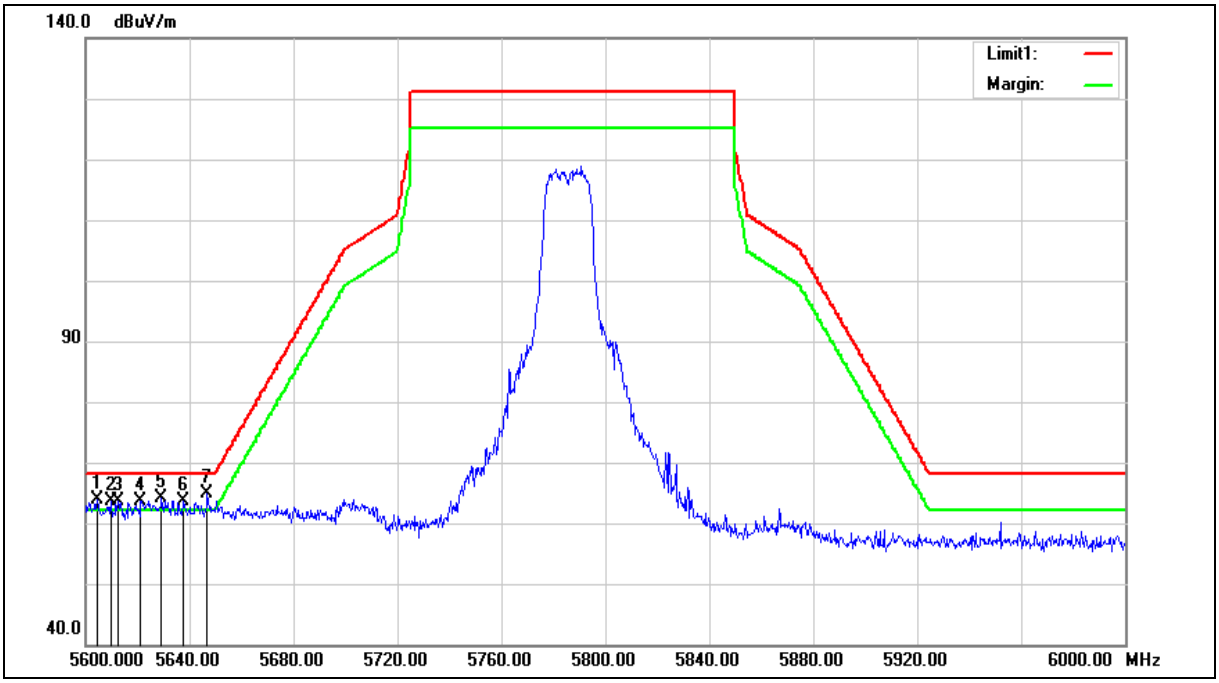
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	48.21	7.17	55.38	68.20	-12.82	peak
2	5700.000	49.07	7.27	56.34	105.20	-48.86	peak
3	5720.000	48.85	7.31	56.16	110.80	-54.64	peak
4	5725.000	48.54	7.32	55.86	122.20	-66.34	peak
5	5850.000	48.15	7.59	55.74	122.20	-66.46	peak
6	5855.000	48.60	7.60	56.20	110.80	-54.60	peak
7	5875.000	48.77	7.64	56.41	105.20	-48.79	peak
8	5925.000	47.80	7.75	55.55	68.20	-12.65	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

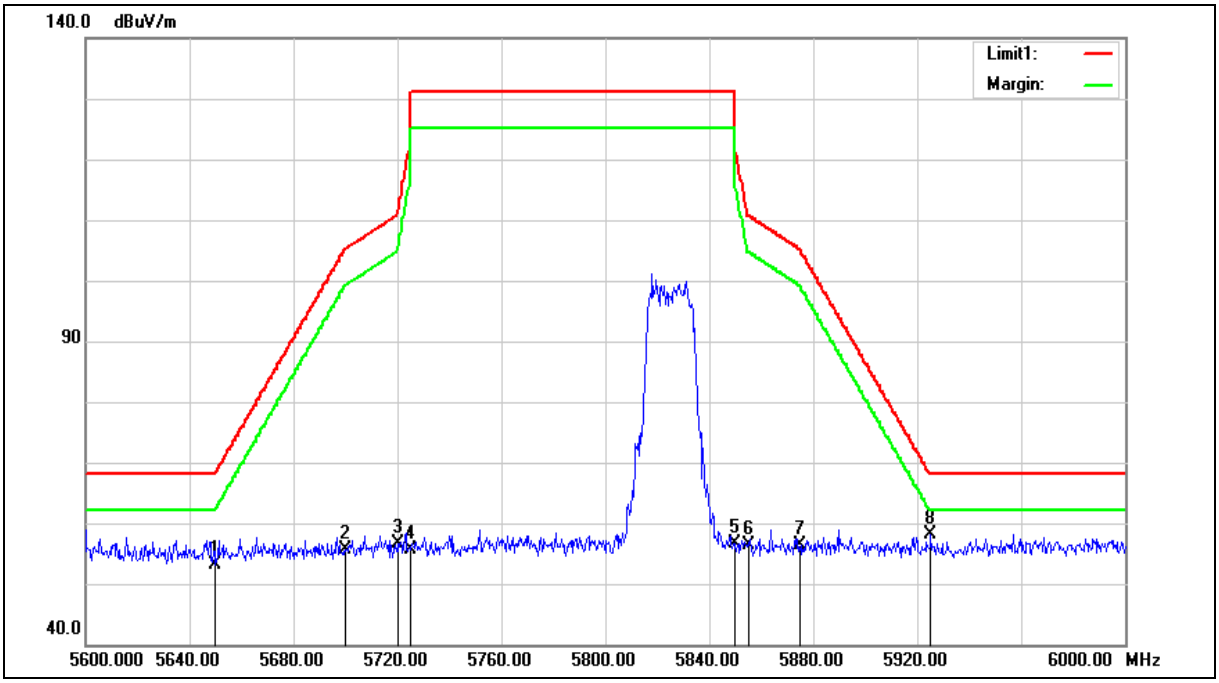
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5604.400	56.83	7.08	63.91	68.20	-4.29	peak
2	5609.600	56.41	7.10	63.51	68.20	-4.69	peak
3	5612.400	56.47	7.10	63.57	68.20	-4.63	peak
4	5621.200	56.64	7.11	63.75	68.20	-4.45	peak
5	5629.200	56.90	7.13	64.03	68.20	-4.17	peak
6	5637.600	56.58	7.15	63.73	68.20	-4.47	peak
7	5646.800	57.60	7.16	64.76	68.20	-3.44	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5825 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5825 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

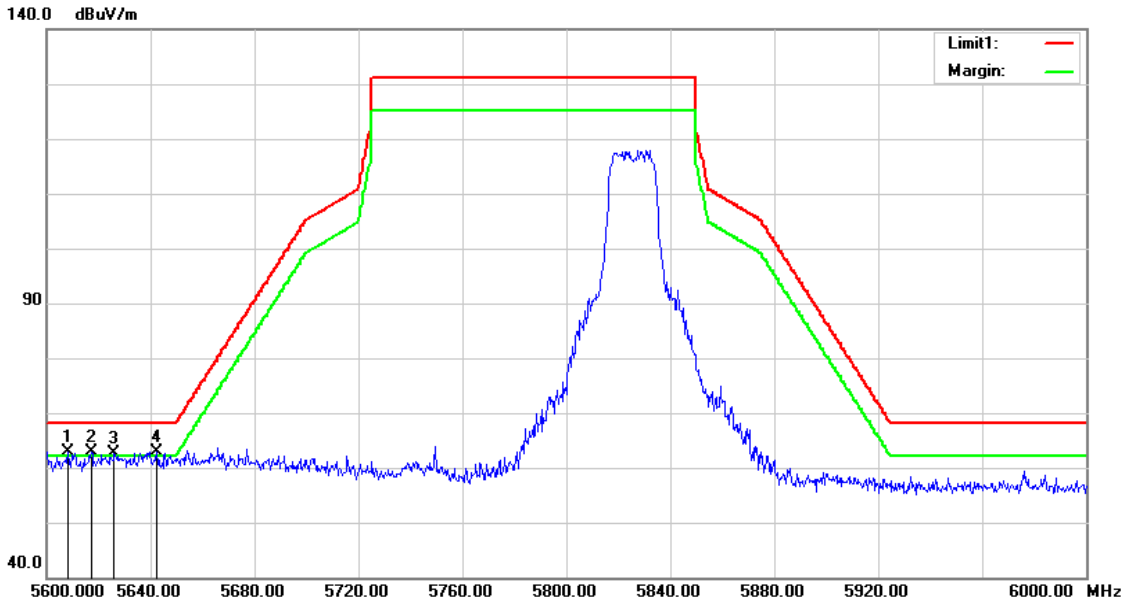
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.03	7.17	53.20	68.20	-15.00	peak
2	5700.000	48.31	7.27	55.58	105.20	-49.62	peak
3	5720.000	49.37	7.31	56.68	110.80	-54.12	peak
4	5725.000	48.34	7.32	55.66	122.20	-66.54	peak
5	5850.000	49.07	7.59	56.66	122.20	-65.54	peak
6	5855.000	48.68	7.60	56.28	110.80	-54.52	peak
7	5875.000	48.70	7.64	56.34	105.20	-48.86	peak
8	5925.000	50.30	7.75	58.05	68.20	-10.15	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5825 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



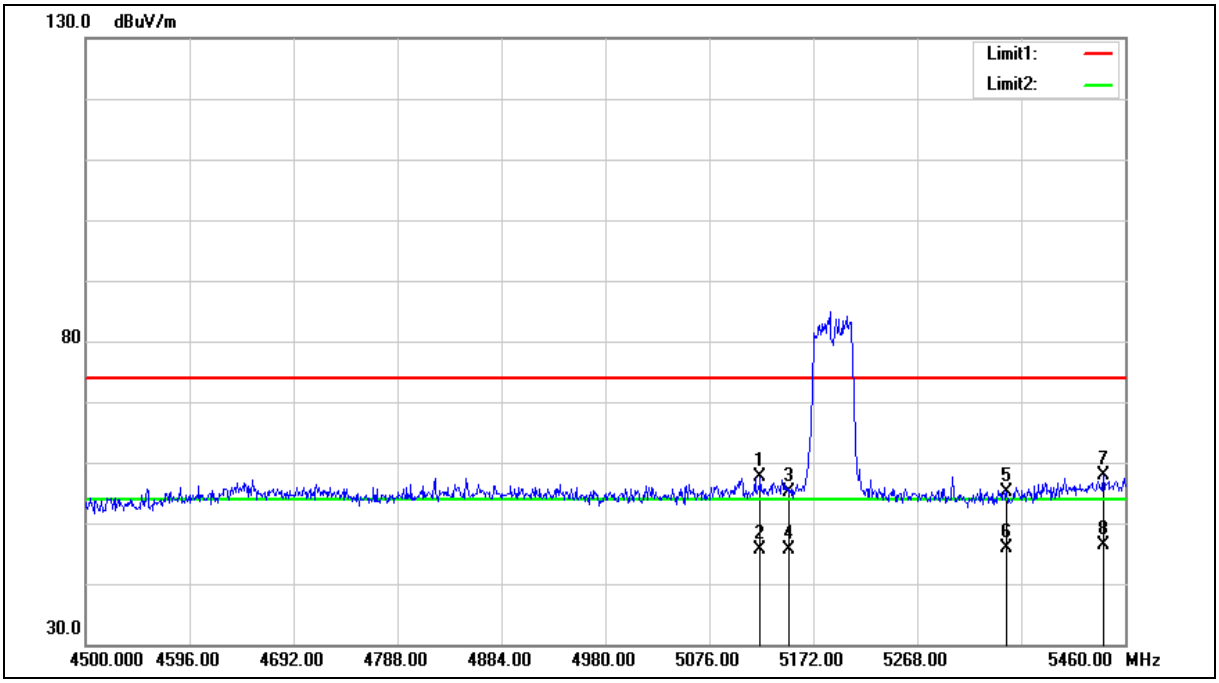
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5608.000	55.72	7.09	62.81	68.20	-5.39	peak
2	5617.200	55.78	7.11	62.89	68.20	-5.31	peak
3	5626.000	55.42	7.12	62.54	68.20	-5.66	peak
4	5642.400	55.84	7.16	63.00	68.20	-5.20	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		

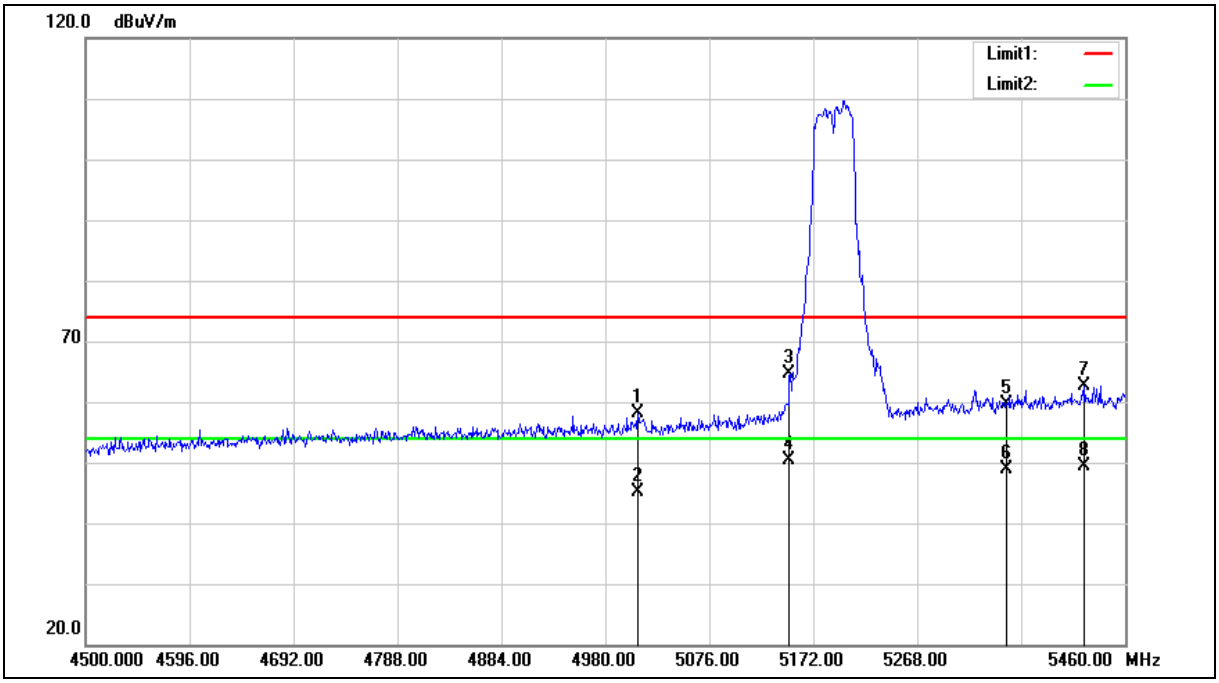
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5123.040	51.51	6.01	57.52	74.00	-16.48	peak
2	5123.040	39.63	6.01	45.64	54.00	-8.36	AVG
3	5150.000	49.17	6.07	55.24	74.00	-18.76	peak
4	5150.000	39.56	6.07	45.63	54.00	-8.37	AVG
5	5350.000	48.58	6.52	55.10	74.00	-18.90	peak
6	5350.000	39.29	6.52	45.81	54.00	-8.19	AVG
7	5439.840	51.26	6.73	57.99	74.00	-16.01	peak
8	5439.840	39.68	6.73	46.41	54.00	-7.59	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		

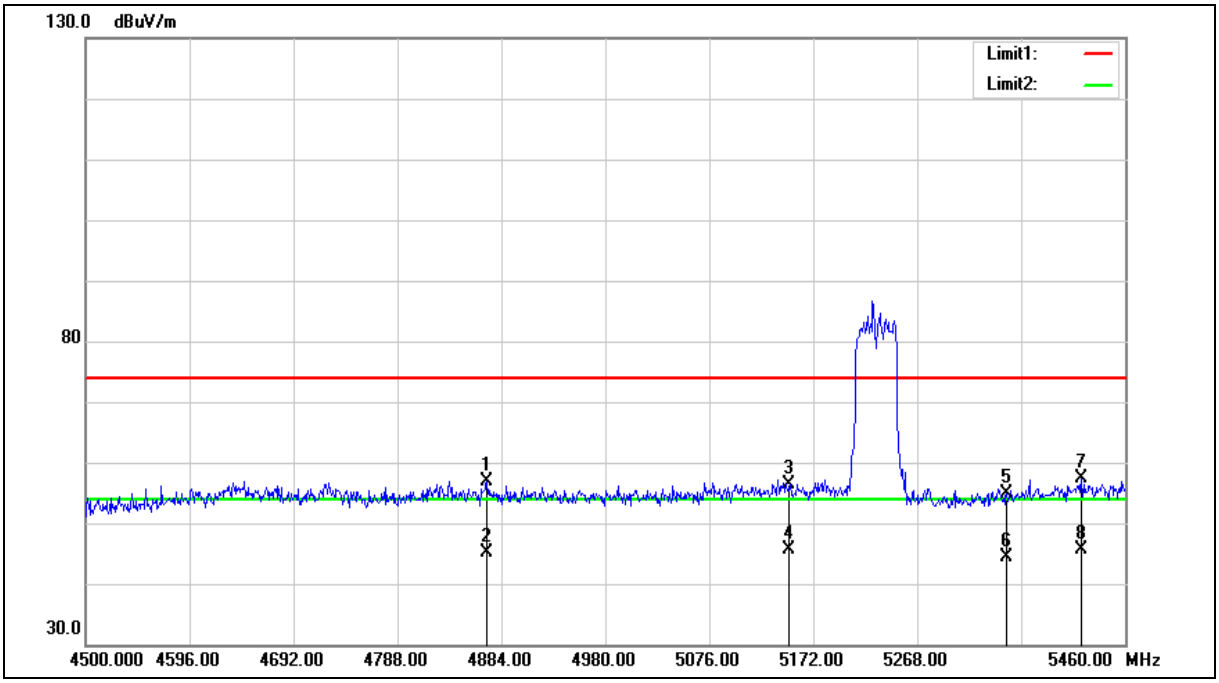
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5009.760	52.37	5.75	58.12	74.00	-15.88	peak
2	5009.760	39.32	5.75	45.07	54.00	-8.93	AVG
3	5150.000	58.65	6.07	64.72	74.00	-9.28	peak
4	5150.000	44.24	6.07	50.31	54.00	-3.69	AVG
5	5350.000	53.16	6.52	59.68	74.00	-14.32	peak
6	5350.000	42.40	6.52	48.92	54.00	-5.08	AVG
7	5422.560	55.84	6.69	62.53	74.00	-11.47	peak
8	5422.560	42.69	6.69	49.38	54.00	-4.62	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		

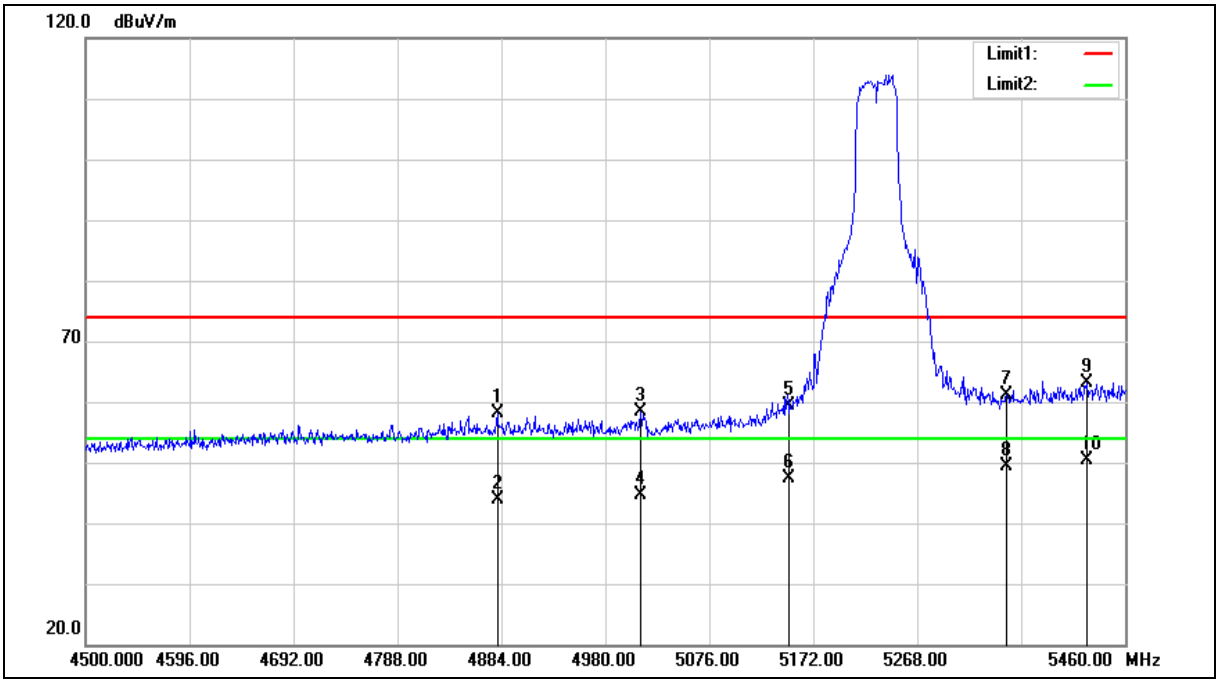
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4870.560	51.47	5.46	56.93	74.00	-17.07	peak
2	4870.560	39.61	5.46	45.07	54.00	-8.93	AVG
3	5150.000	50.26	6.07	56.33	74.00	-17.67	peak
4	5150.000	39.52	6.07	45.59	54.00	-8.41	AVG
5	5350.000	48.40	6.52	54.92	74.00	-19.08	peak
6	5350.000	37.83	6.52	44.35	54.00	-9.65	AVG
7	5419.680	50.65	6.69	57.34	74.00	-16.66	peak
8	5419.680	39.04	6.69	45.73	54.00	-8.27	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		

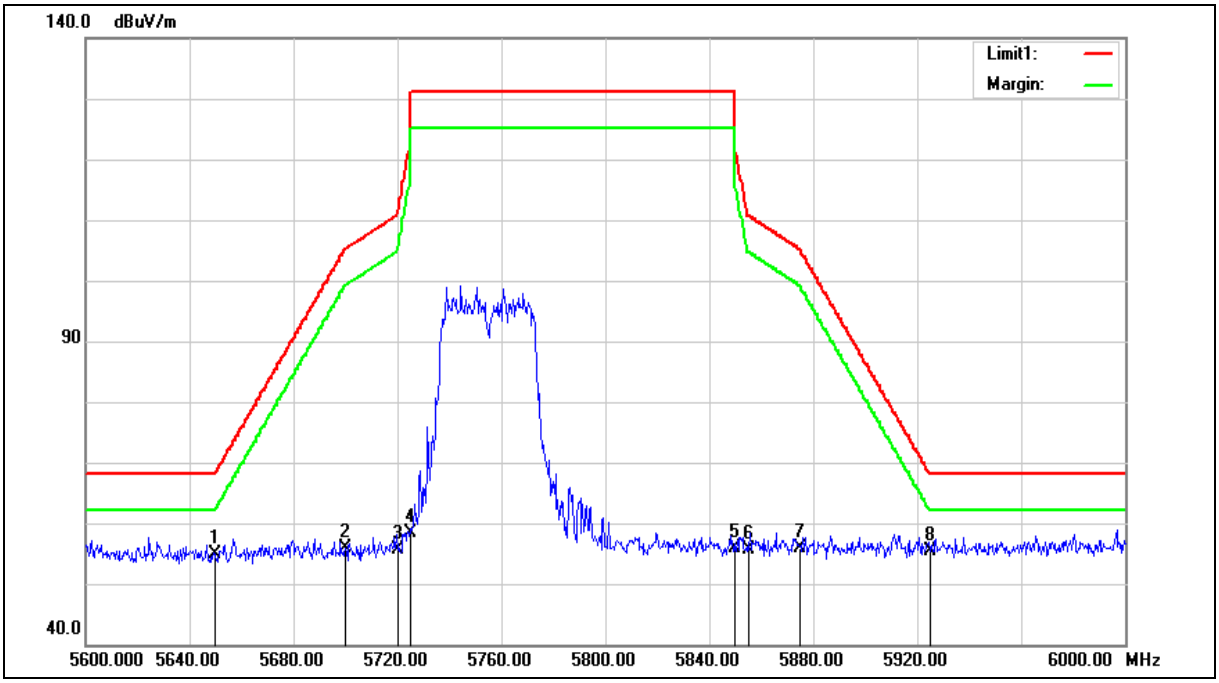
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4880.160	52.70	5.48	58.18	74.00	-15.82	peak
2	4880.160	38.37	5.48	43.85	54.00	-10.15	AVG
3	5012.640	52.61	5.76	58.37	74.00	-15.63	peak
4	5012.640	38.97	5.76	44.73	54.00	-9.27	AVG
5	5150.000	53.42	6.07	59.49	74.00	-14.51	peak
6	5150.000	41.35	6.07	47.42	54.00	-6.58	AVG
7	5350.000	54.60	6.52	61.12	74.00	-12.88	peak
8	5350.000	42.87	6.52	49.39	54.00	-4.61	AVG
9	5424.480	56.35	6.69	63.04	74.00	-10.96	peak
10	5424.480	43.74	6.69	50.43	54.00	-3.57	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5755 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5755 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		

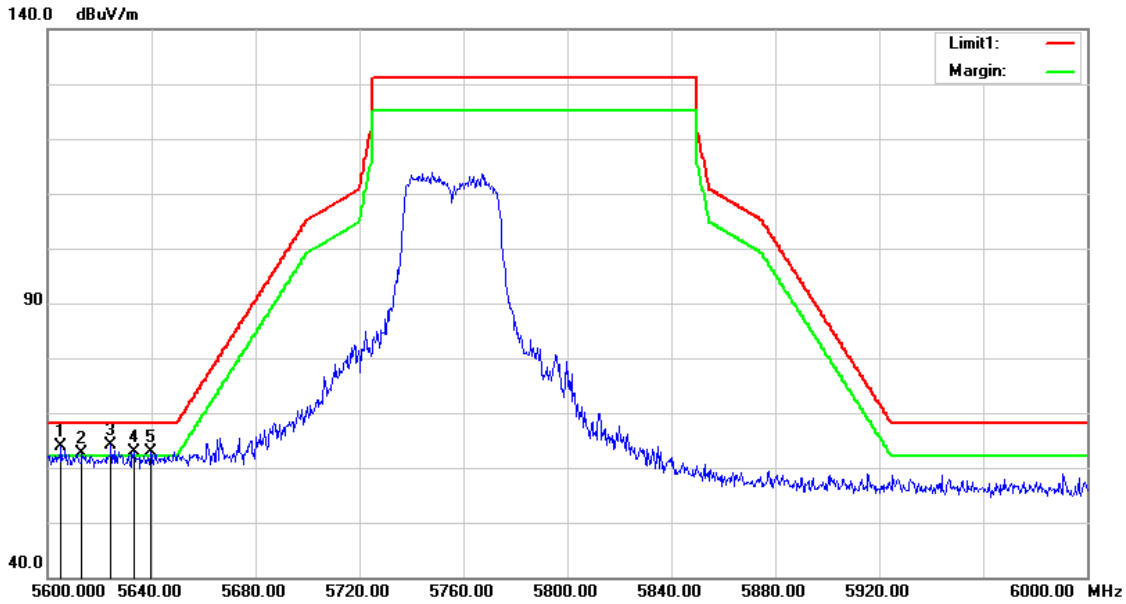
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.60	7.17	54.77	68.20	-13.43	peak
2	5700.000	48.51	7.27	55.78	105.20	-49.42	peak
3	5720.000	48.39	7.31	55.70	110.80	-55.10	peak
4	5725.000	51.12	7.32	58.44	122.20	-63.76	peak
5	5850.000	48.29	7.59	55.88	122.20	-66.32	peak
6	5855.000	48.07	7.60	55.67	110.80	-55.13	peak
7	5875.000	48.22	7.64	55.86	105.20	-49.34	peak
8	5925.000	47.72	7.75	55.47	68.20	-12.73	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5755 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



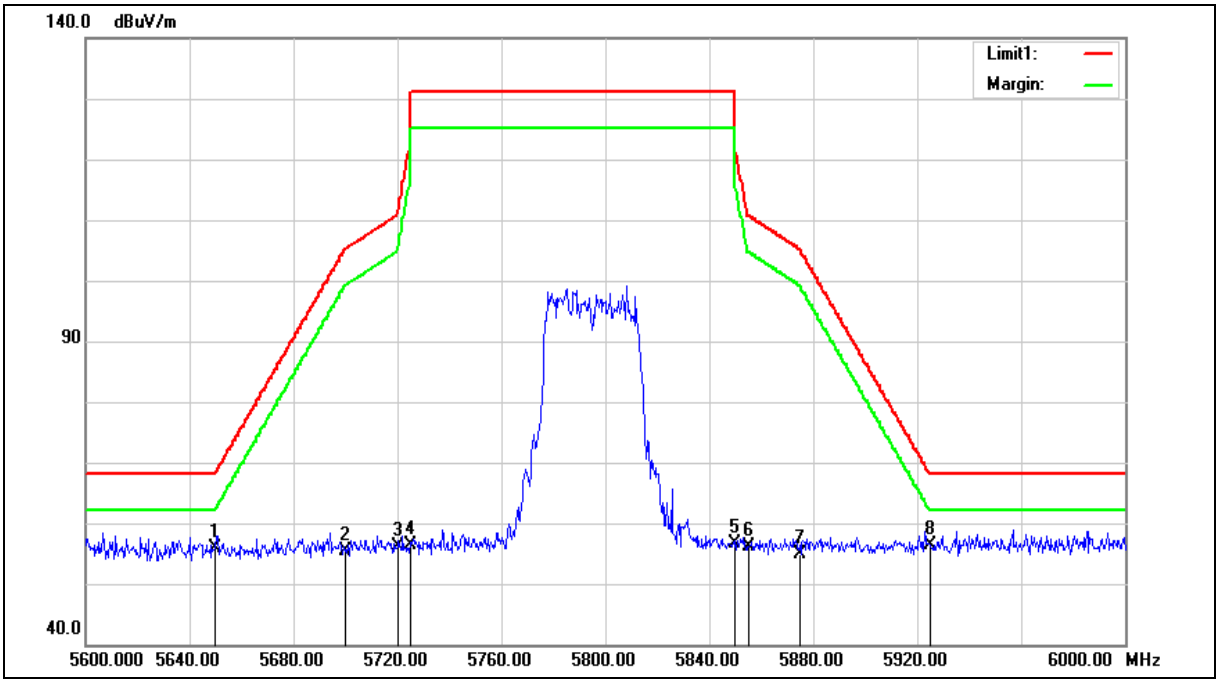
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5605.200	56.87	7.08	63.95	68.20	-4.25	peak
2	5613.200	55.41	7.10	62.51	68.20	-5.69	peak
3	5624.400	56.96	7.12	64.08	68.20	-4.12	peak
4	5633.200	55.74	7.14	62.88	68.20	-5.32	peak
5	5639.600	55.65	7.15	62.80	68.20	-5.40	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		

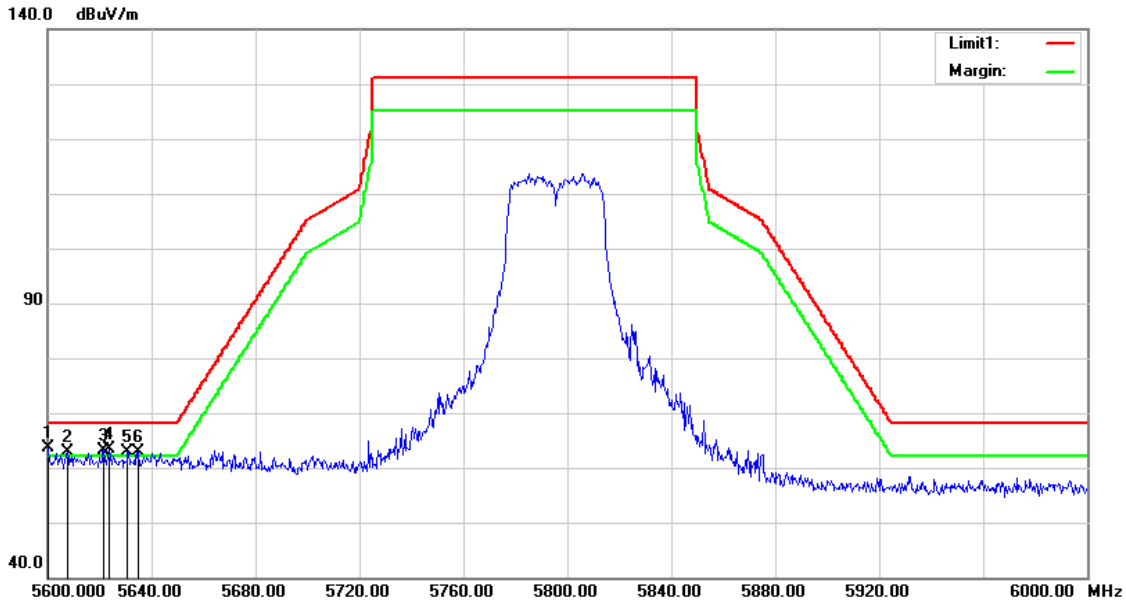
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	48.65	7.17	55.82	68.20	-12.38	peak
2	5700.000	48.19	7.27	55.46	105.20	-49.74	peak
3	5720.000	48.71	7.31	56.02	110.80	-54.78	peak
4	5725.000	48.97	7.32	56.29	122.20	-65.91	peak
5	5850.000	48.94	7.59	56.53	122.20	-65.67	peak
6	5855.000	48.43	7.60	56.03	110.80	-54.77	peak
7	5875.000	47.27	7.64	54.91	105.20	-50.29	peak
8	5925.000	48.55	7.75	56.30	68.20	-11.90	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5600.000	56.56	7.07	63.63	68.20	-4.57	peak
2	5607.600	55.89	7.09	62.98	68.20	-5.22	peak
3	5621.600	56.14	7.11	63.25	68.20	-4.95	peak
4	5623.600	56.34	7.12	63.46	68.20	-4.74	peak
5	5630.800	55.76	7.13	62.89	68.20	-5.31	peak
6	5634.800	55.77	7.15	62.92	68.20	-5.28	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

5.3. Maximum Conducted Output Power Measurement & Additional Rule For Outdoor Operation

Test Mode		Mode 2: IEEE 802.11a Continuous TX mode				
Frequency (MHz)	Data Rate	Maximum Conducted Output Power				Limit (dBm)
		ANT-0		ANT-1		
		(dBm)	(W)	(dBm)	(W)	
5180	6 M	20.05	0.101	22.44	0.175	≤ 29.00
5200		20.15	0.104	22.37	0.173	
5220		19.97	0.099	22.70	0.186	
5240		20.49	0.112	**22.96**	**0.198**	
5745		21.35	0.136	**23.57**	**0.228**	≤ 30.00
5765		21.39	0.138	23.25	0.211	
5785		21.82	0.152	23.30	0.214	
5805		21.53	0.142	22.90	0.195	
5825		21.58	0.144	22.53	0.179	
5180	54 M	19.95	0.099	22.35	0.172	≤ 29.00
5200		20.06	0.101	22.30	0.170	
5220		19.90	0.098	22.60	0.182	
5240		20.42	0.110	22.89	0.195	
5745		21.29	0.135	23.50	0.224	≤ 30.00
5765		21.32	0.136	23.17	0.207	
5785		21.75	0.150	23.19	0.208	
5805		21.49	0.141	22.82	0.191	
5825		21.50	0.141	22.47	0.177	

Note: The relevant measured result has the offset with cable loss already.

Test Mode		Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode				
Frequency (MHz)	Data Rate	Maximum Conducted Output Power				Limit (dBm)
		ANT-0		ANT-1		
		(dBm)	(W)	(dBm)	(W)	
5180	6.5 M	20.03	0.101	22.25	0.168	≤ 29.00
5200		20.14	0.103	22.14	0.164	
5220		19.98	0.100	22.53	0.179	
5240		20.49	0.112	**22.85**	**0.193**	
5745		21.39	0.138	23.41	0.219	≤ 30.00
5765		21.36	0.137	23.12	0.205	
5785		21.86	0.153	23.10	0.204	
5805		21.52	0.142	22.81	0.191	
5825		21.58	0.144	22.42	0.175	
5180	72.2 M	19.92	0.098	22.17	0.165	≤ 29.00
5200		20.01	0.100	22.02	0.159	
5220		19.90	0.098	22.46	0.176	
5240		20.43	0.110	22.76	0.189	
5745		21.33	0.136	23.34	0.216	≤ 30.00
5765		21.28	0.134	23.03	0.201	
5785		21.80	0.151	23.01	0.200	
5805		21.47	0.140	22.74	0.188	
5825		21.49	0.141	22.35	0.172	

Test Mode		Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode				
Frequency (MHz)	Data Rate	Maximum Conducted Output Power				Limit (dBm)
		ANT-0		ANT-1		
		(dBm)	(W)	(dBm)	(W)	
5190	13.5 M	16.01	0.040	18.48	0.070	≤ 29.00
5230		20.19	0.104	**22.69**	**0.186**	
5755		21.12	0.129	23.27	0.212	≤ 30.00
5795		21.61	0.145	22.92	0.196	
5190	150 M	15.92	0.039	18.41	0.069	≤ 29.00
5230		20.07	0.102	22.60	0.182	
5755		21.03	0.127	23.19	0.208	≤ 30.00
5795		21.54	0.143	22.82	0.191	

Note: The relevant measured result has the offset with cable loss already.

Test Mode		Mode 5: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	Maximum Conducted Output Power						Limit (dBm)
		ANT-0		ANT-1		ANT-0+1		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	13 M	17.40	0.055	19.31	0.085	21.47	0.140	≤ 29.00
5200		17.44	0.055	19.71	0.094	21.73	0.149	
5220		17.85	0.061	20.04	0.101	22.09	0.162	
5240		18.31	0.068	20.40	0.110	22.49	0.177	
5745		21.19	0.132	22.49	0.177	24.90	0.309	≤ 30.00
5765		21.20	0.132	22.18	0.165	24.73	0.297	
5785		21.68	0.147	22.23	0.167	**24.97**	**0.314**	
5805		21.38	0.137	21.86	0.153	24.64	0.291	
5825		21.42	0.139	21.44	0.139	24.44	0.278	
5180	144.4 M	17.35	0.054	19.27	0.085	21.43	0.139	≤ 29.00
5200		17.40	0.055	19.65	0.092	21.68	0.147	
5220		17.75	0.060	19.94	0.099	21.99	0.158	
5240		18.28	0.067	19.32	0.086	21.84	0.153	
5745		21.09	0.129	22.40	0.174	24.80	0.302	≤ 30.00
5765		21.12	0.129	22.13	0.163	24.66	0.293	
5785		21.60	0.145	22.16	0.164	24.90	0.309	
5805		21.31	0.135	21.79	0.151	24.57	0.286	
5825		21.37	0.137	21.36	0.137	24.38	0.274	

Test Mode		Mode 6: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	Maximum Conducted Output Power						Limit (dBm)
		ANT-0		ANT-1		ANT-0+1		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	27 M	13.93	0.025	15.85	0.038	18.01	0.063	≤ 29.00
5230		17.93	0.062	20.26	0.106	22.26	0.168	
5755		19.14	0.082	21.01	0.126	23.19	0.208	≤ 30.00
5795		19.76	0.095	20.82	0.121	**23.33**	**0.215**	
5190	300 M	13.87	0.024	15.80	0.038	17.95	0.062	≤ 29.00
5230		17.86	0.061	20.18	0.104	22.18	0.165	
5755		19.06	0.081	20.92	0.124	23.10	0.204	≤ 30.00
5755		19.69	0.093	20.74	0.119	23.26	0.212	

Note: The relevant measured result has the offset with cable loss already.

Test Mode		Mode 2: IEEE 802.11a Continuous TX mode				
Frequency (MHz)	Data Rate	Max_EIRP at any elevation angle > 30° form horizon				Limit (dBm)
		Conducted Pass Setting	Max. Average power (dBm)	Elevation angle above 30° Max Gain (dBi)	Elevation angle above 30° Max Gain (dBm)	
			ANT-1			
5180	6 M	23	22.44	-2.1	20.34	21
5200		23	22.37	-2.1	20.27	
5220		23	22.70	-2.1	20.60	
5240		23	22.96	-2.1	20.86	

Test Mode		Mode 3: IEEE 802.11n 5 GHz 20MHz Continuous TX mode				
Frequency (MHz)	Data Rate	Max_EIRP at any elevation angle > 30° form horizon				Limit (dBm)
		Conducted Pass Setting	Max. Average power (dBm)	Elevation angle above 30° Max Gain (dBi)	Elevation angle above 30° Max Gain (dBm)	
			ANT-1			
5180	6.5 M	23	22.25	-2.1	20.15	21
5200		23	22.14	-2.1	20.04	
5220		23	22.53	-2.1	20.43	
5240		23	22.85	-2.1	20.75	

Test Mode		Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode				
Frequency (MHz)	Data Rate	Max_EIRP at any elevation angle > 30° form horizon				Limit (dBm)
		Conducted Pass Setting	Max. Average power (dBm)	Elevation angle above 30° Max Gain (dBi)	Elevation angle above 30° Max Gain (dBm)	
			ANT-1			
5190	13.5 M	18	18.48	-2.1	16.38	21
5230		23	22.69	-2.1	20.59	

Note: The relevant measured result has the offset with cable loss already.

Test Mode		Mode 5: IEEE 802.11n 5 GHz 20MHz Continuous TX mode						
Frequency (MHz)	Data Rate	Max_EIRP at any elevation angle > 30° form horizon						Limit (dBm)
		Conducted Pass Setting	Max. Average power (dBm)			Elevation angle above 30° Max Gain (dBi)	Elevation angle above 30° Max Gain (dBm)	
			ANT-0	ANT-1	ANT-0+1			
5180	13 M	21	17.40	19.31	21.47	-2.1	19.37	21
5200		21	17.44	19.71	21.73	-2.1	19.63	
5220		21	17.85	20.04	22.09	-2.1	19.99	
5240		21	18.31	20.40	22.49	-2.1	20.39	

Test Mode		Mode 6: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	Max_EIRP at any elevation angle > 30° form horizon						Limit (dBm)
		Conducted Pass Setting	Max. Average power (dBm)			Elevation angle above 30° Max Gain (dBi)	Elevation angle above 30° Max Gain (dBm)	
			ANT-0	ANT-1	ANT-0+1			
5190	27 M	17	13.93	15.85	18.01	-2.1	15.91	21
5230		21	17.93	20.26	22.26	-2.1	20.16	

Note: The relevant measured result has the offset with cable loss already.

5.4. 26 dB RF Bandwidth & 99 % Occupied Bandwidth Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode	
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-1	ANT-1
5180	29.300	17.074
5200	29.410	17.024
5240	26.730	16.903

Test Mode	Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode	
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-1	ANT-1
5180	29.240	18.181
5200	27.550	18.046
5240	27.750	18.089

Test Mode	Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode	
Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
	ANT-1	ANT-1
5190	48.290	37.521
5230	48.120	37.005

Test Mode	Mode 5: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5180	22.550	23.010	17.878	17.874
5200	22.690	22.210	17.833	17.846
5240	22.470	23.290	17.857	17.934

Test Mode	Mode 6: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5190	47.810	47.130	36.873	37.060
5230	46.920	49.610	36.773	36.988

Note: The 99 % occupied bandwidth not crossed 5250 MHz.

■ **Test Graphs**

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode_ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode_ ANT-1	
5190 MHz	
5230 MHz	

Mode 5: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode_ ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 6: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode_ ANT-0	
5190 MHz	
5230 MHz	

Mode 5: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode_ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 6: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode_ ANT-1	
5190 MHz	
5230 MHz	

5.5. 6 dB RF Bandwidth Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode	
Frequency (MHz)	ANT-1	Limit (kHz)
5745	16570	≥ 500
5785	16520	≥ 500
5825	16570	≥ 500

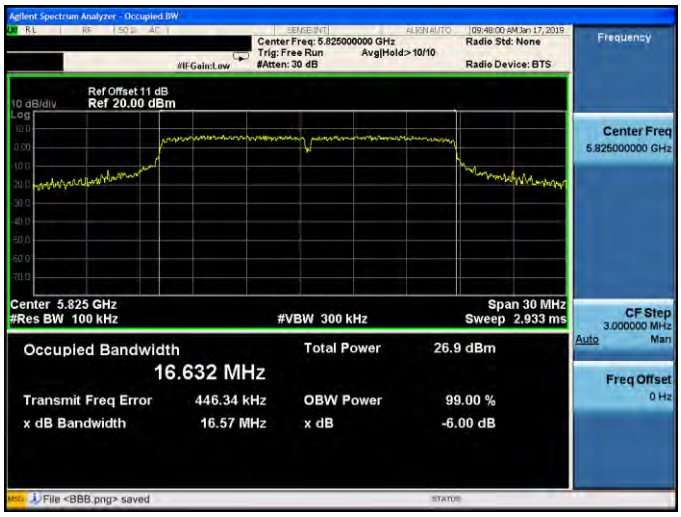
Test Mode	Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode	
Frequency (MHz)	ANT-1	Limit (kHz)
5745	17700	≥ 500
5785	17760	≥ 500
5825	17710	≥ 500

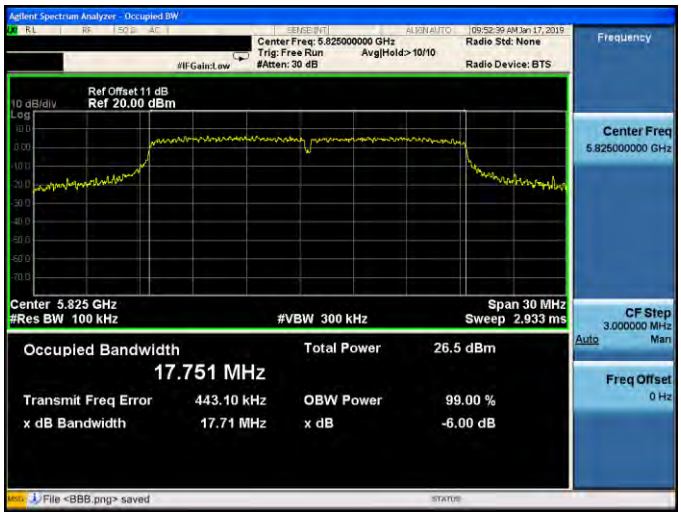
Test Mode	Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode	
Frequency (MHz)	ANT-1	Limit (kHz)
5755	36440	≥ 500
5795	36510	≥ 500

Test Mode	Mode 5: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5745	17710	17700	≥ 500
5785	17770	17770	≥ 500
5825	17750	17740	≥ 500

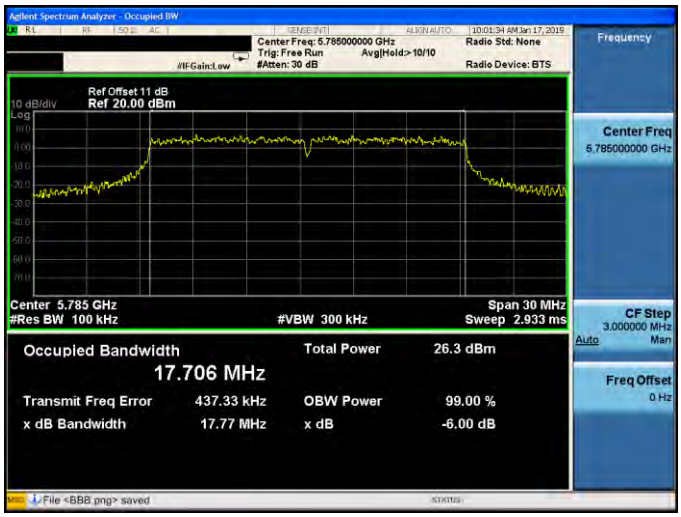
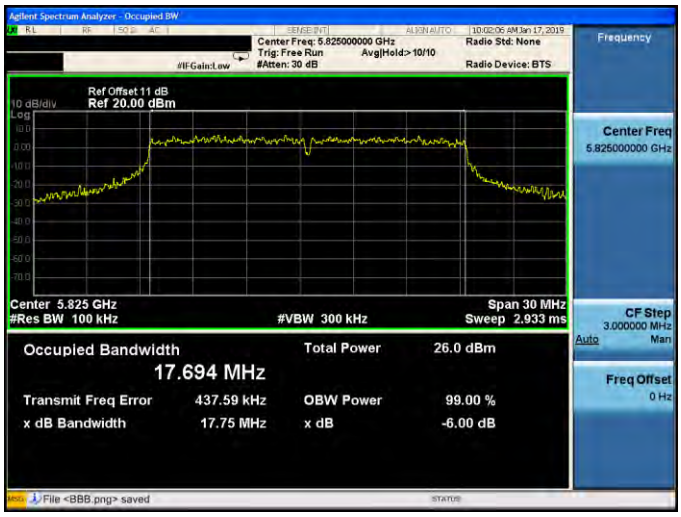
Test Mode	Mode 6: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5755	36410	36220	≥ 500
5795	36420	36380	≥ 500

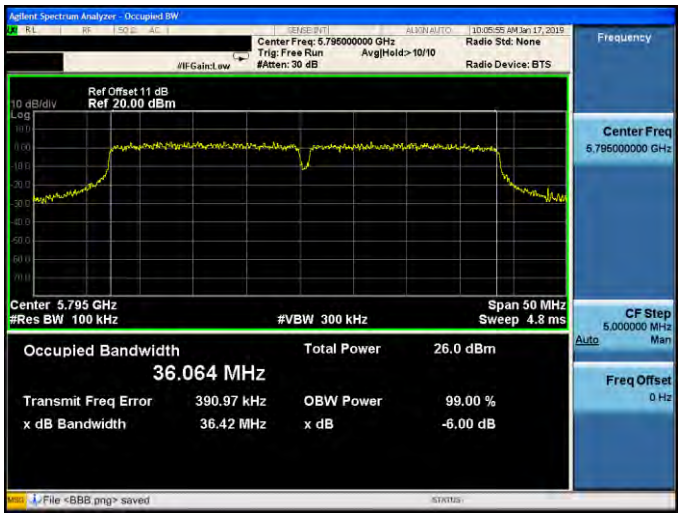
■ **Test Graphs**

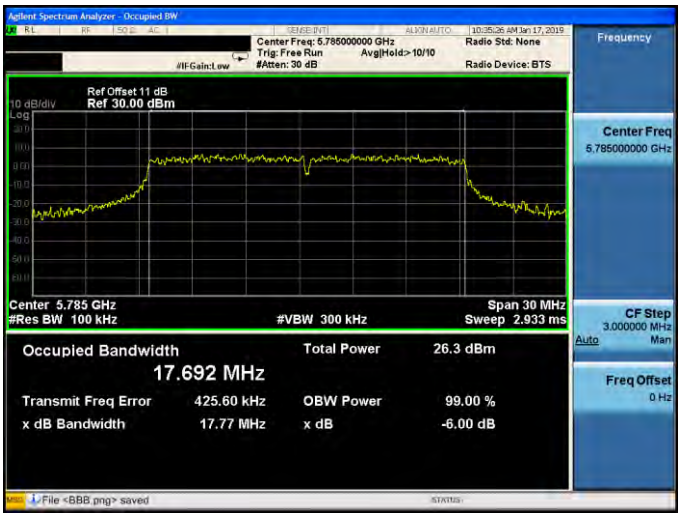
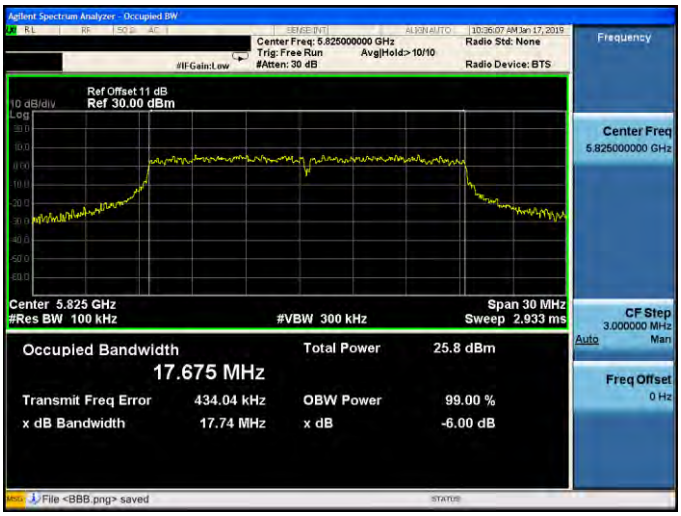
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5745 MHz	
5785 MHz	
5825 MHz	

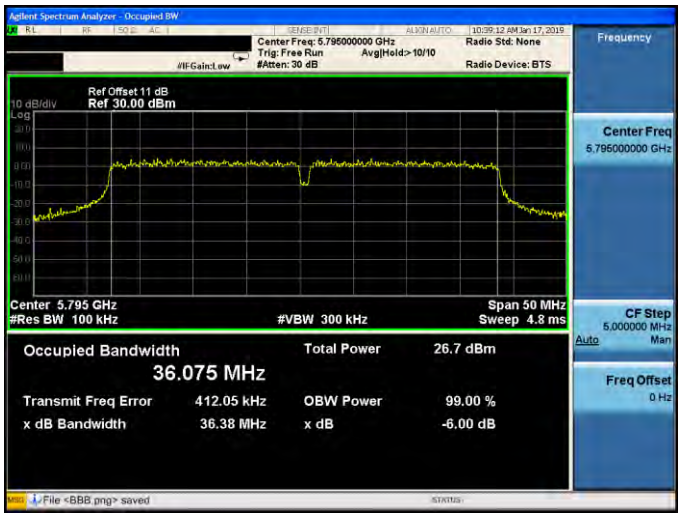
Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode_ ANT-1	
5745 MHz	
5785 MHz	
5825 MHz	

Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode_ ANT-1	
5755 MHz	
5795 MHz	

Mode 5: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode_ ANT-0	
5745 MHz	
5785 MHz	
5825 MHz	

Mode 6: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode_ ANT-0	
5755 MHz	
5795 MHz	

Mode 5: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode_ ANT-1	
5745 MHz	
5785 MHz	
5825 MHz	

Mode 6: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode_ ANT-1	
5755 MHz	
5795 MHz	

5.6. Maximum Power Spectral Density Measurement

Test Mode	Mode 2: IEEE 802.11a link mode			
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	6.963	0.000	6.963	≤ 16.00
5200	7.421	0.000	7.421	
5240	8.507	0.000	8.507	

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Test Mode	Mode 2: IEEE 802.11a link mode			
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-0.03	0.000	6.96	≤ 30.00
5785	0.30	0.000	7.29	
5825	0.12	0.000	7.11	

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500 k/100 k)

Test Mode	Mode 3: IEEE 802.11n 5 GHz 20 MHz link mode			
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	7.082	0.000	7.082	≤ 16.00
5200	7.418	0.000	7.418	
5240	8.427	0.000	8.427	

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Test Mode	Mode 3: IEEE 802.11n 5 GHz 20 MHz link mode			
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-0.19	0.000	6.80	≤ 30.00
5785	0.44	0.000	7.42	
5825	-0.30	0.000	6.69	

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500 k/100 k)

Test Mode	Mode 4: IEEE 802.11n 5 GHz 40 MHz link mode			
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	0.459	0.000	0.459	≤ 16.00
5230	5.256	0.000	5.256	

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Test Mode	Mode 4: IEEE 802.11n 5 GHz 40 MHz link mode			
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-3.38	0.000	3.61	≤ 30.00
5795	-3.02	0.000	3.97	

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500 k/100 k)

Test Mode	Mode 5: IEEE 802.11n 5 GHz 20 MHz link mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	4.446	0.000	4.446	≤ 16.00
5200	4.524	0.000	4.524	
5240	5.430	0.000	5.430	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	6.851	0.000	6.851	≤ 16.00
5200	6.344	0.000	6.344	
5240	7.971	0.000	7.971	
Frequency (MHz)	ANT-0+1			
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5180	8.823			≤ 16.00
5200	8.539			
5240	9.894			

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Test Mode	Mode 5: IEEE 802.11n 5 GHz 20 MHz link mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-1.83	0.000	5.16	≤ 30.00
5785	-1.38	0.000	5.61	
5825	-1.55	0.000	5.44	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	0.04	0.000	7.02	≤ 30.00
5785	-0.74	0.000	6.25	
5825	-1.40	0.000	5.59	
Frequency (MHz)	ANT-0+1			
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5745	9.20			≤ 30.00
5785	8.95			
5825	8.53			

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500 k/100 k)

Test Mode	Mode 6: IEEE 802.11n 5 GHz 40 MHz link mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-2.172	0.000	-2.172	≤ 16.00
5230	2.246	0.000	2.246	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-0.361	0.000	-0.361	≤ 16.00
5230	4.452	0.000	4.452	
Frequency (MHz)	ANT-0+1			
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5190	1.838			≤ 16.00
5230	6.498			

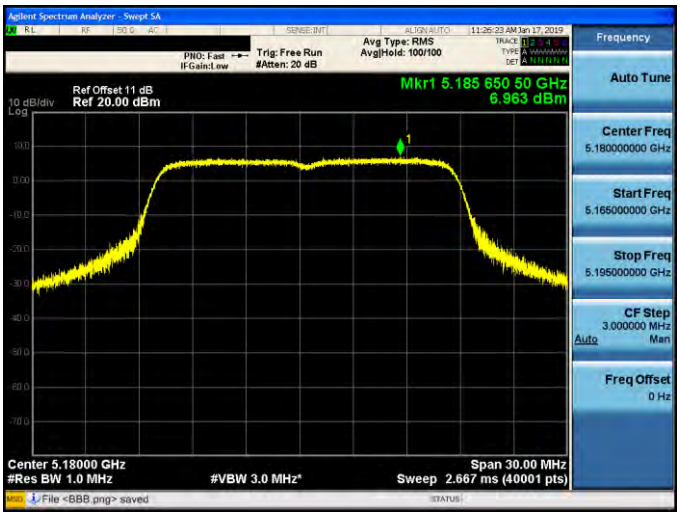
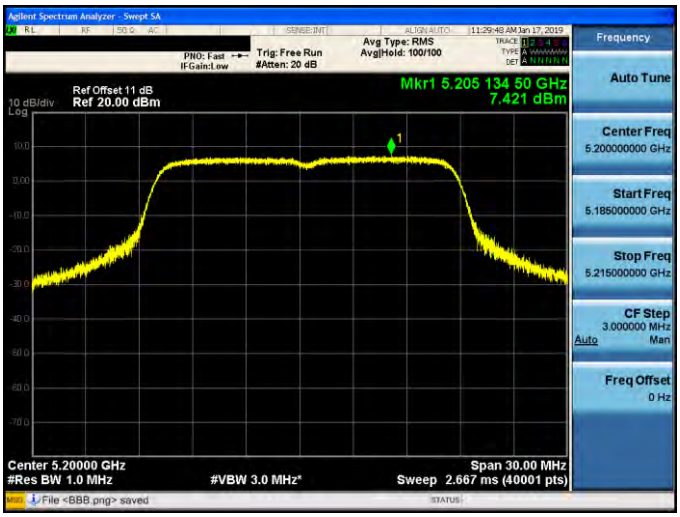
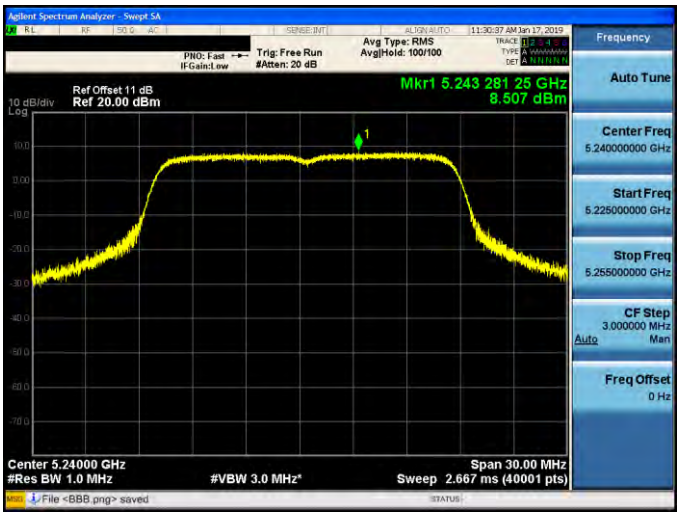
Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

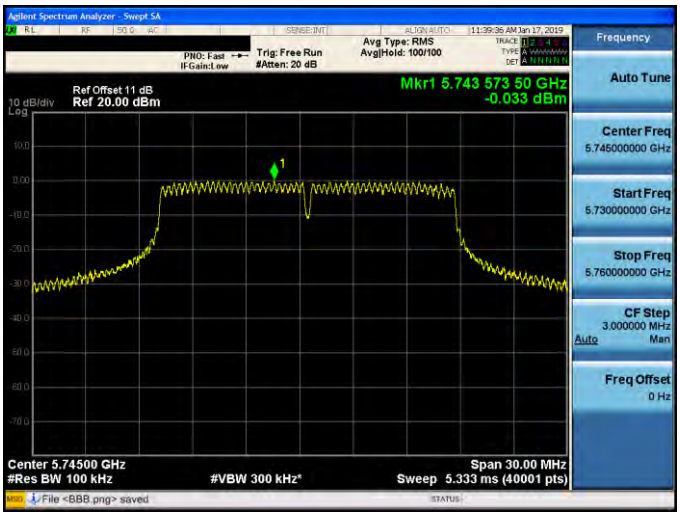
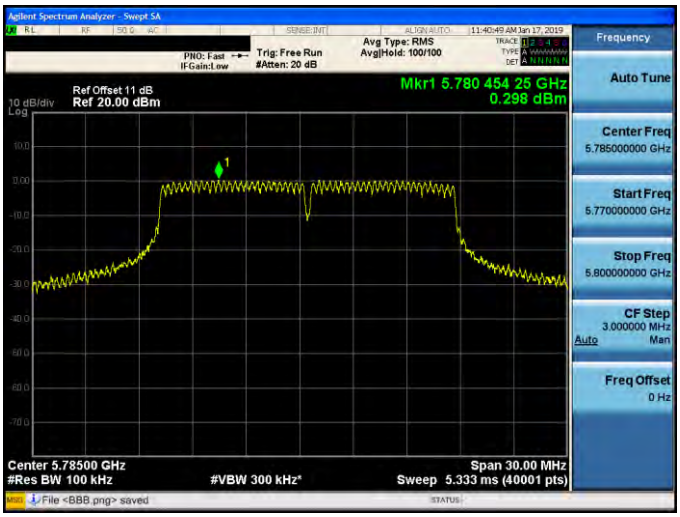
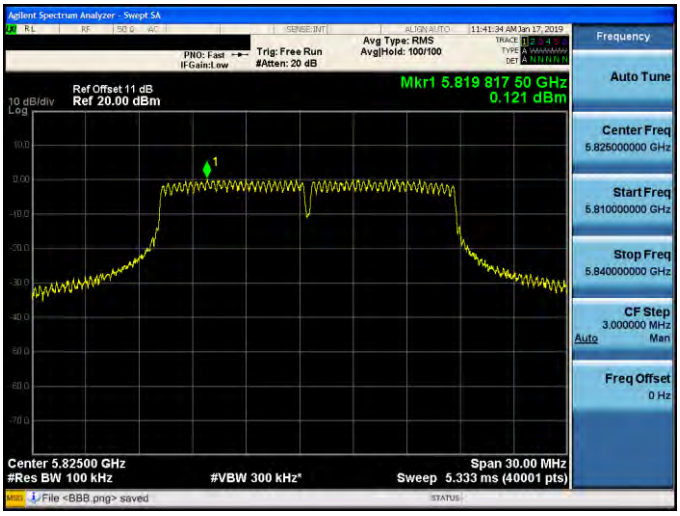
Test Mode	Mode 6: IEEE 802.11n 5 GHz 40 MHz link mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-6.80	0.000	0.19	≤ 30.00
5795	-6.17	0.000	0.82	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-4.66	0.000	2.33	≤ 30.00
5795	-5.19	0.000	1.80	
Frequency (MHz)	ANT-0+1			
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5755	4.40			≤ 30.00
5795	4.35			

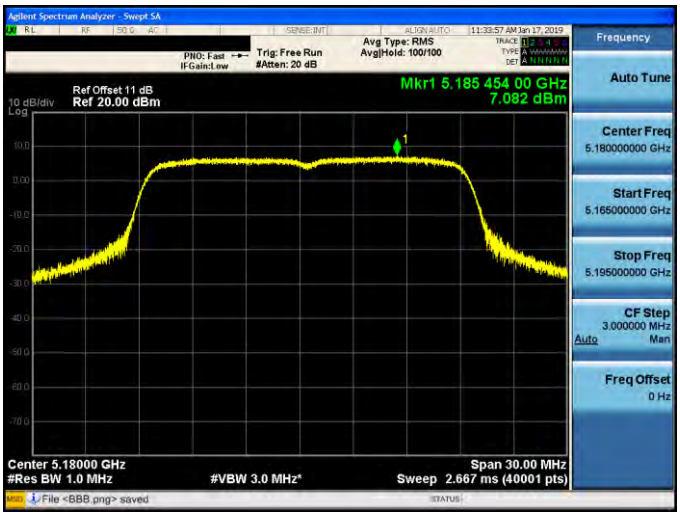
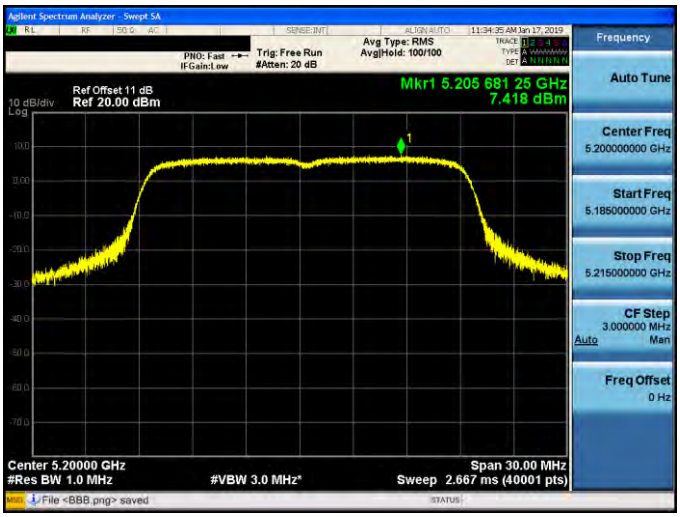
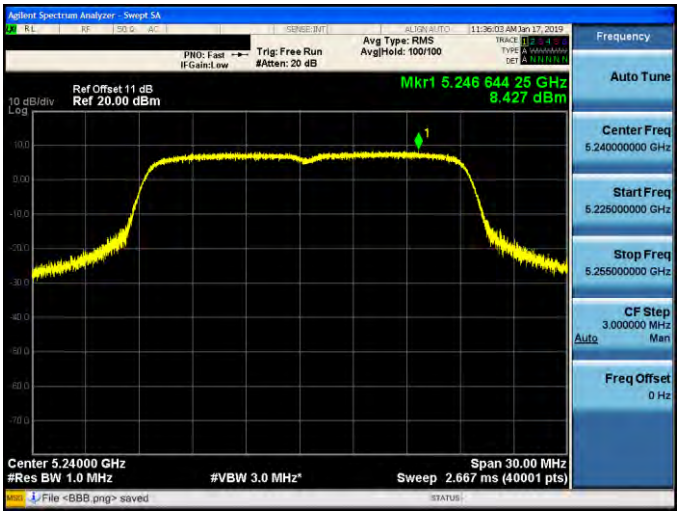
Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

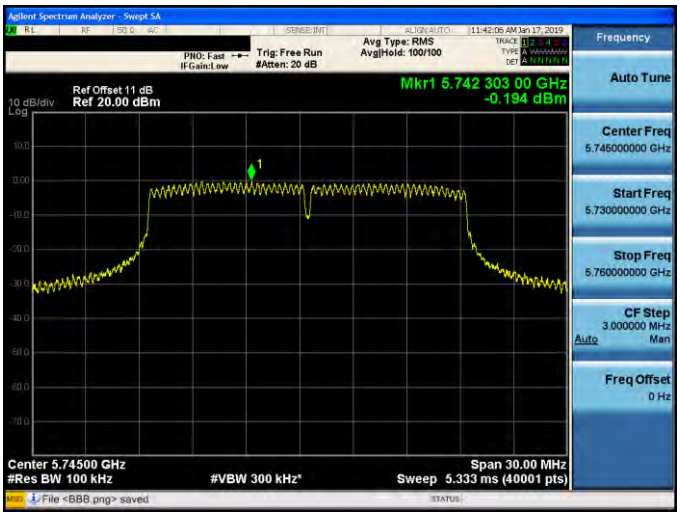
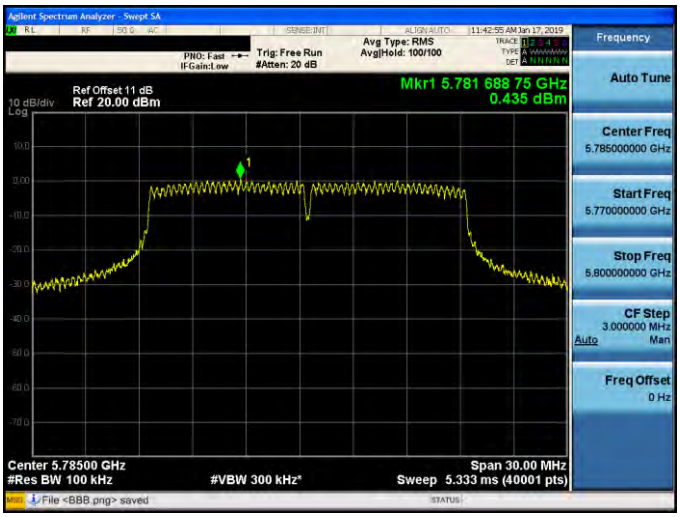
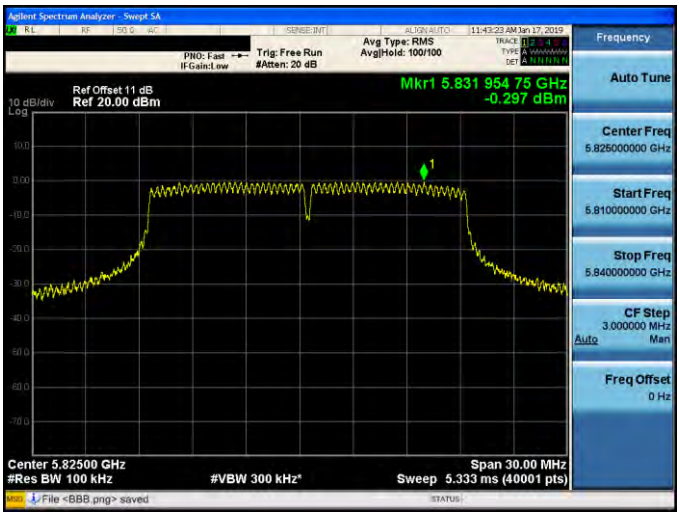
Conversion ratio = 10*Log(500 k/100 k)

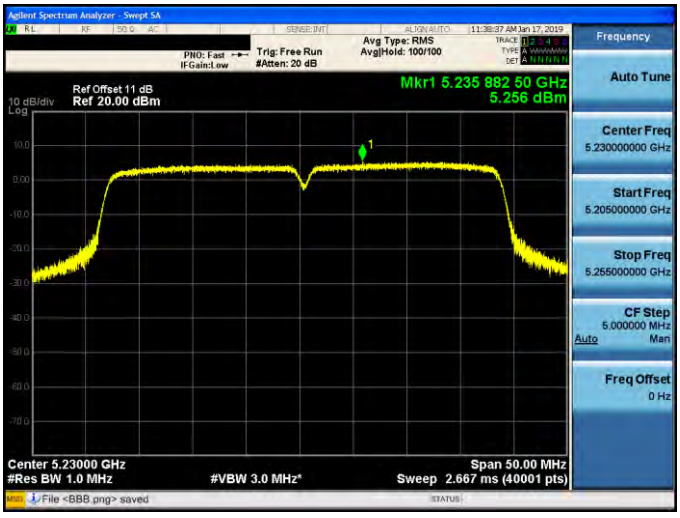
■ **Test Graphs**

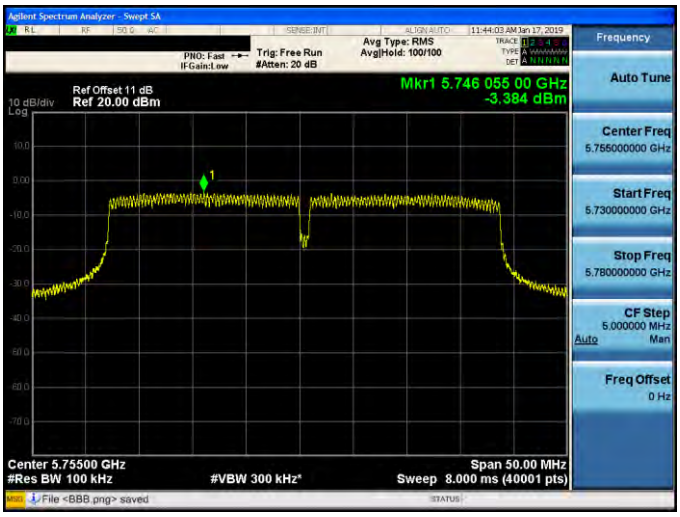
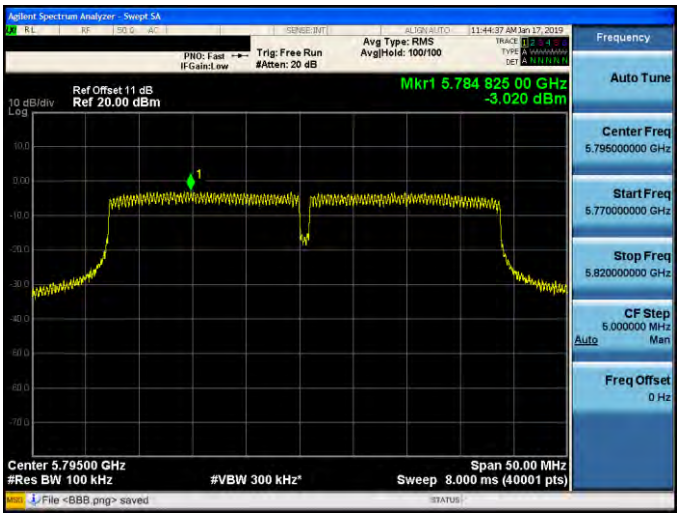
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

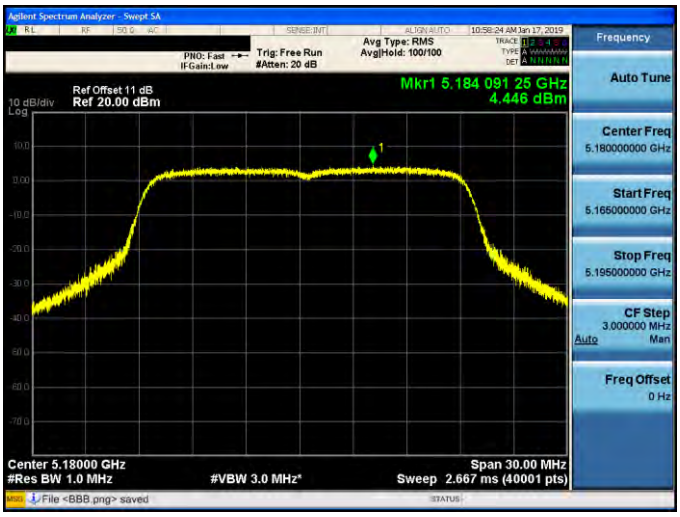
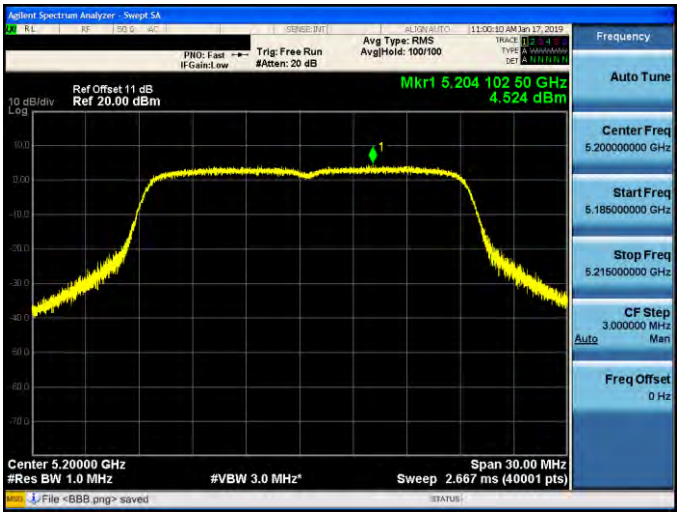
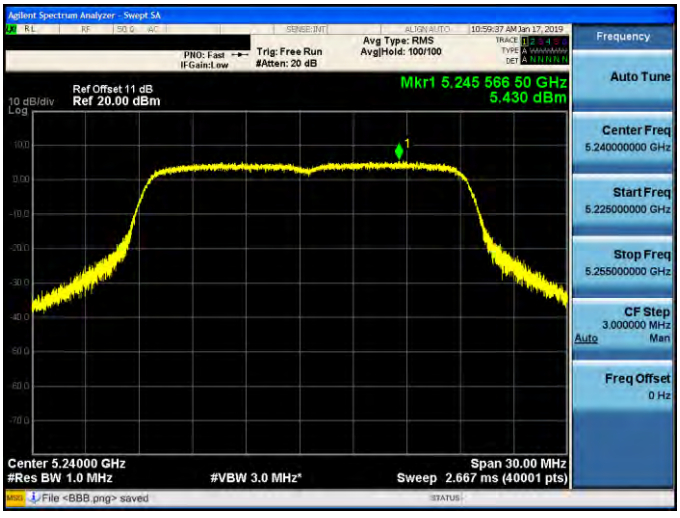
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5745 MHz	
5785 MHz	
5825 MHz	

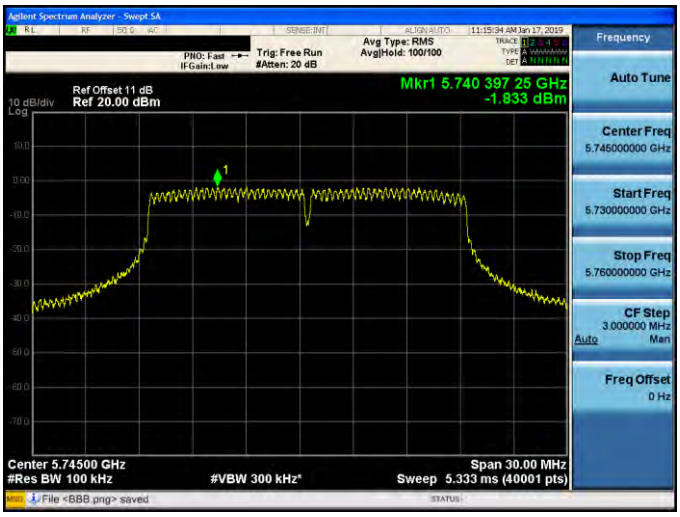
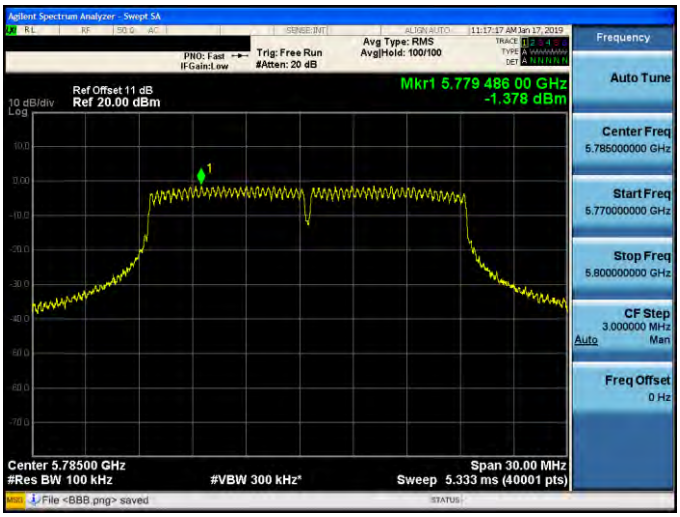
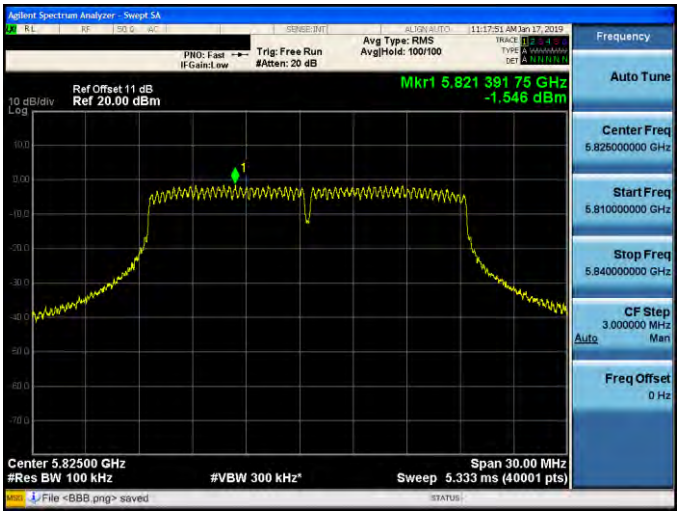
Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode_ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

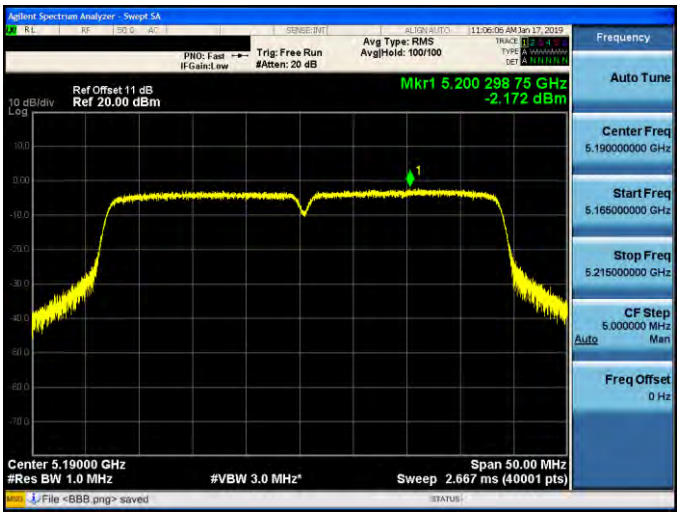
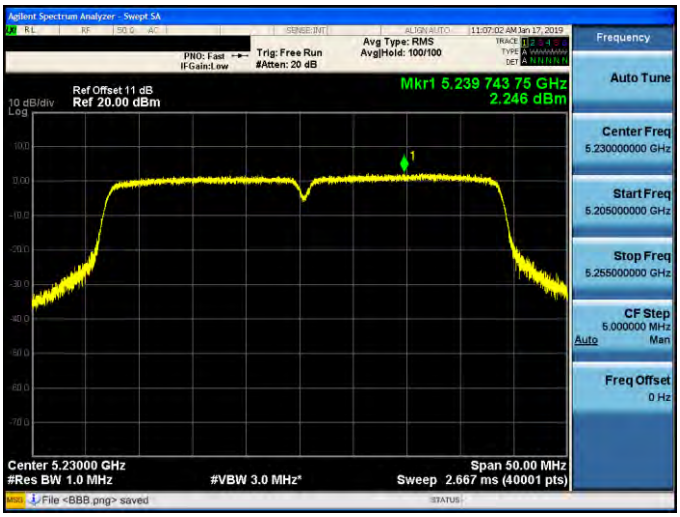
Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode_ ANT-1	
5745 MHz	
5785 MHz	
5825 MHz	

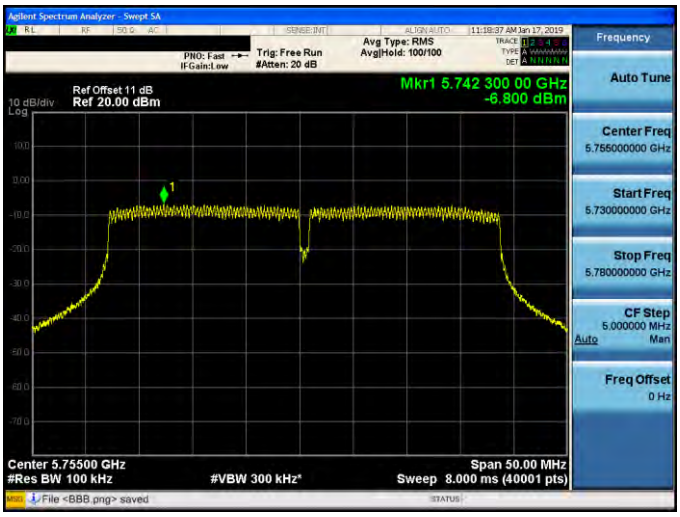
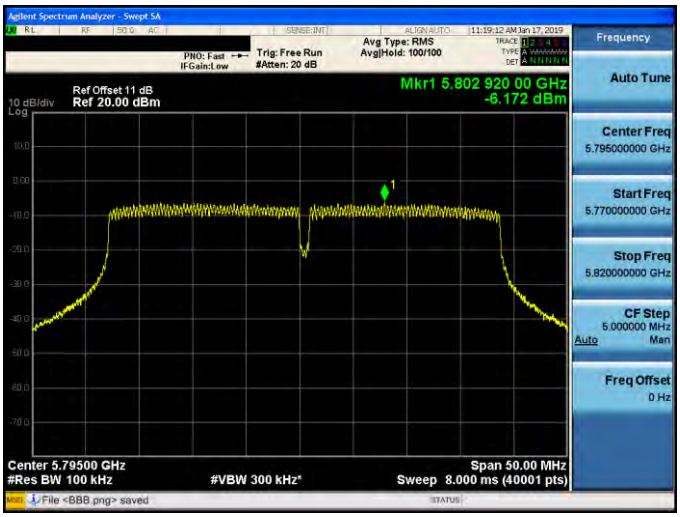
Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode_ ANT-1	
5190 MHz	
5230 MHz	

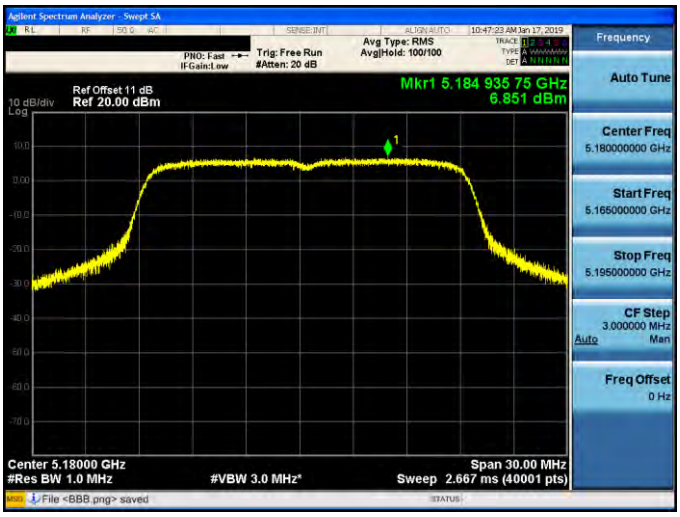
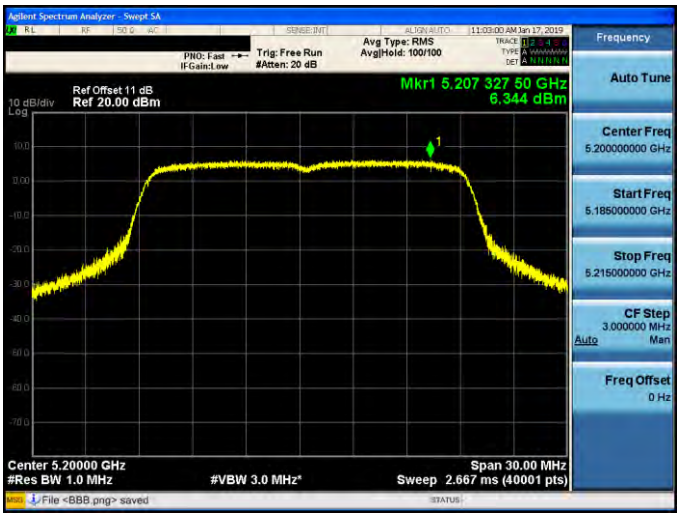
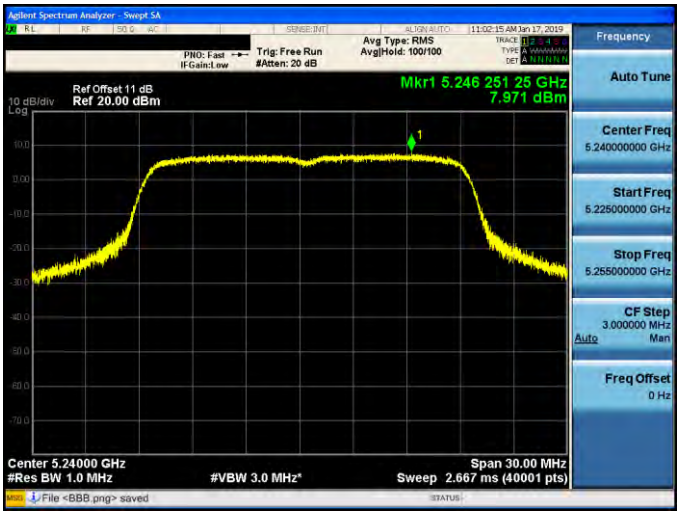
Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode_ ANT-1	
5755 MHz	
5795 MHz	

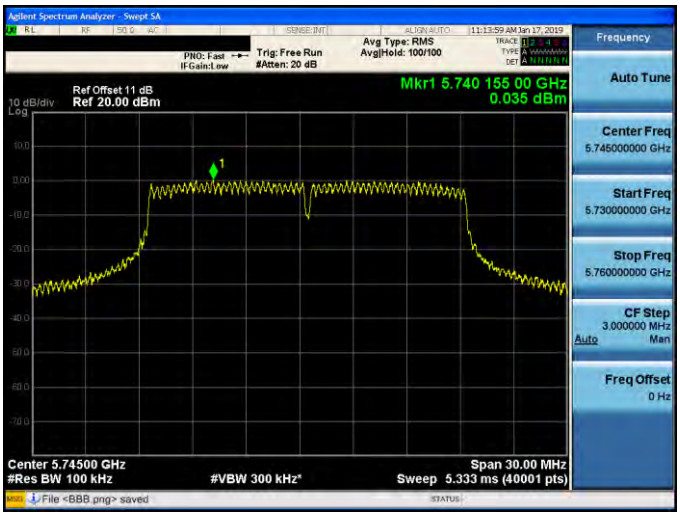
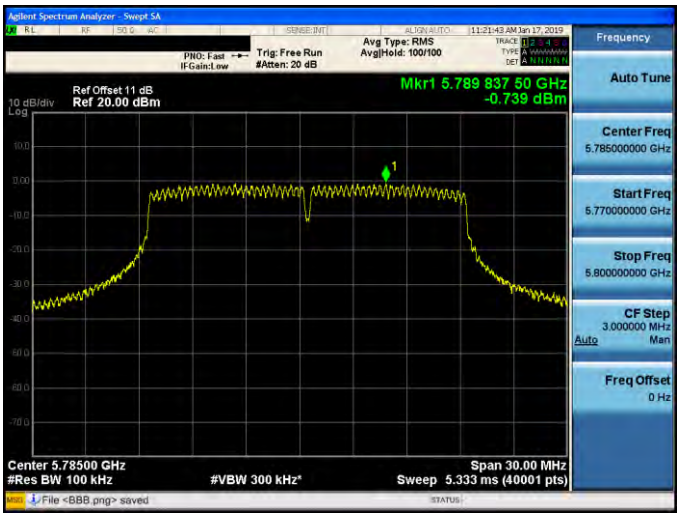
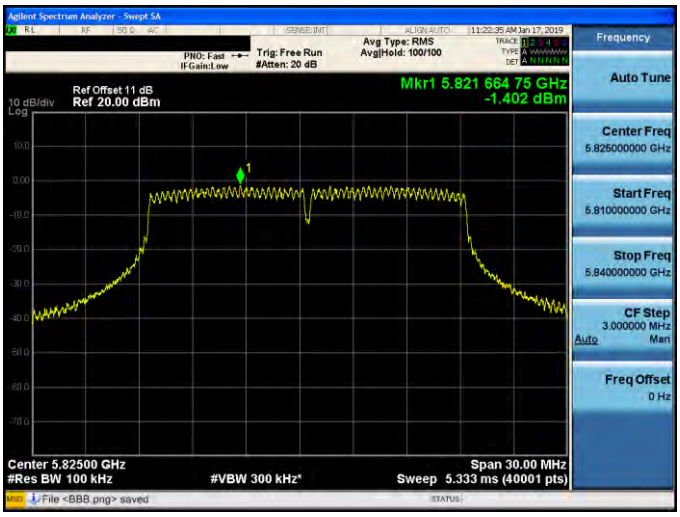
Mode 5: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode_ ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	

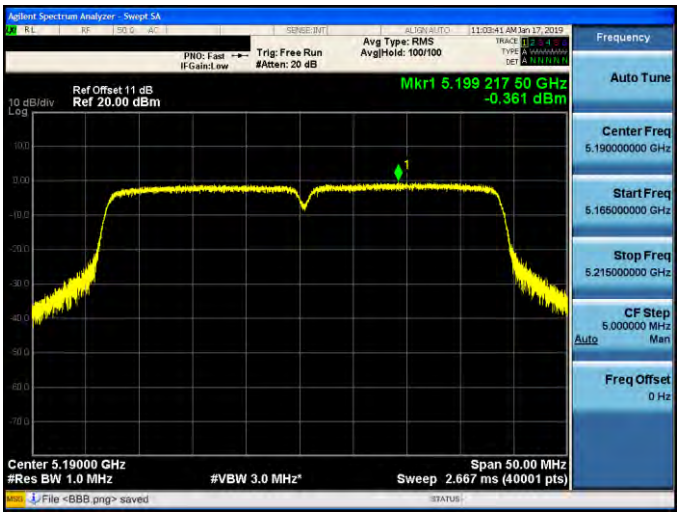
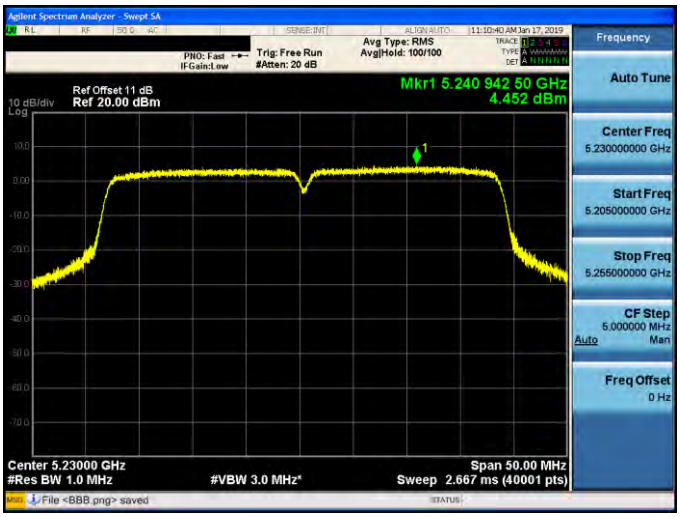
Mode 5: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode_ ANT-0	
5745 MHz	
5785 MHz	
5825 MHz	

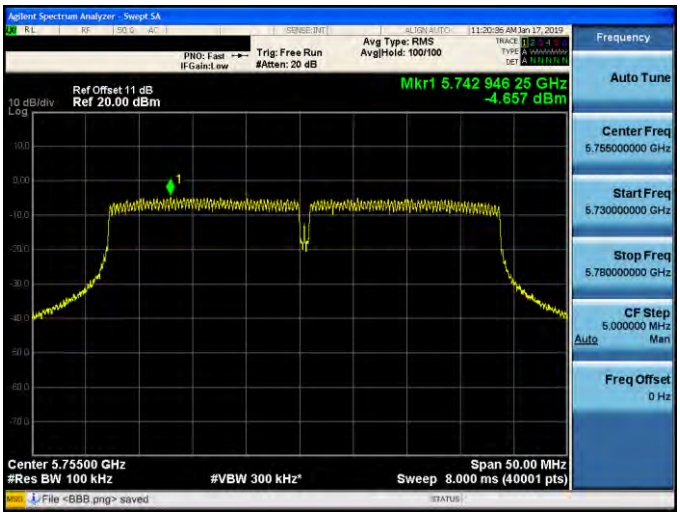
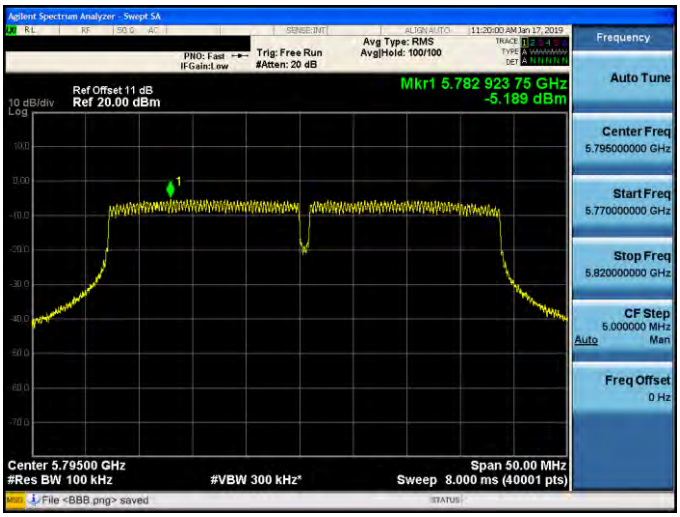
Mode 6: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode_ ANT-0	
5190 MHz	
5230 MHz	

Mode 6: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode_ ANT-0	
5755 MHz	
5795 MHz	

Mode 5: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode_ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 5: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode_ ANT-1	
5745 MHz	
5785 MHz	
5825 MHz	

Mode 6: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode_ ANT-1	
5190 MHz	
5230 MHz	

Mode 6: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode_ ANT-1	
5755 MHz	
5795 MHz	

5.7. Frequency Stability Measurement

Temperature Variations

Frequency	Temp. (°C)	Voltage (Vac)	Measured Freq. (MHz)	Delta Freq. (Hz)	Tolerance (ppm)	Result (Pass/Fail)
5200 MHz	-40	120	5199.9652	-34800	-6.692	Pass
	-30		5199.9685	-31500	-6.058	Pass
	-20		5199.9758	-24200	-4.654	Pass
	-10		5199.9726	-27400	-5.269	Pass
	0		5199.9815	-18500	-3.558	Pass
	10		5199.9836	-16400	-3.154	Pass
	20		5199.9851	-14900	-2.865	Pass
	30		5199.9896	-10400	-2.000	Pass
	40		5199.9905	-9500	-1.827	Pass
	50		5199.9936	-6400	-1.231	Pass
	60		5199.9989	-1100	-0.212	Pass
	70		5200.0157	15700	3.019	Pass
	80		5200.0205	20500	3.942	Pass
	85		5200.0247	24700	4.750	Pass
5785 MHz	-40	120	5784.9535	-46500	-8.942	Pass
	-30		5784.9568	-43200	-8.308	Pass
	-20		5784.9601	-39900	-7.673	Pass
	-10		5784.9626	-37400	-7.192	Pass
	0		5784.9689	-31100	-5.981	Pass
	10		5784.9717	-28300	-5.442	Pass
	20		5784.9758	-24200	-4.654	Pass
	30		5784.9789	-21100	-4.058	Pass
	40		5784.9821	-17900	-3.442	Pass
	50		5784.9863	-13700	-2.635	Pass
	60		5784.9885	-11500	-2.212	Pass
	70		5784.9906	-9400	-1.808	Pass
	80		5784.9972	-2800	-0.538	Pass
	85		5785.0065	6500	1.250	Pass

Note: The manufacturer's frequency stability specification is better then 20 ppm.

Voltage Variations

Frequency	Temp. (°C)	Voltage (Vdc)	Measured Freq. (MHz)	Delta Freq. (Hz)	Tolerance (ppm)	Result (Pass/Fail)
5200 MHz	20	138	5199.9851	-14900	-2.865	Pass
		120	5199.9851	-14900	-2.865	Pass
		102	5199.9877	-12300	-2.365	Pass
5785 MHz	20	138	5784.9769	-23100	-3.993	Pass
		120	5784.9758	-24200	-4.183	Pass
		102	5784.9758	-24200	-4.183	Pass

Note: The manufacturer's frequency stability specification is better then 20 ppm.