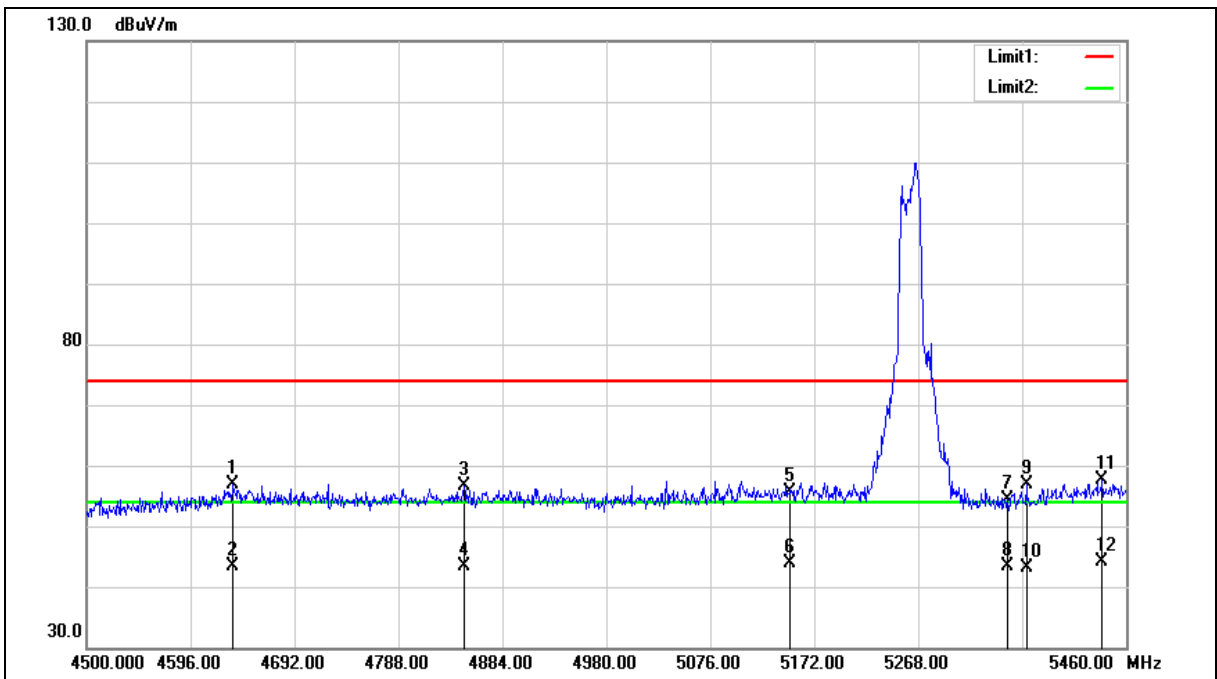




### Band Edge

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4635.360	51.77	4.99	56.76	74.00	-17.24	peak
2	4635.360	38.37	4.99	43.36	54.00	-10.64	AVG
3	4848.480	51.17	5.43	56.60	74.00	-17.40	peak
4	4848.480	37.99	5.43	43.42	54.00	-10.58	AVG
5	5150.000	49.48	6.07	55.55	74.00	-18.45	peak
6	5150.000	37.78	6.07	43.85	54.00	-10.15	AVG
7	5350.000	47.86	6.52	54.38	74.00	-19.62	peak
8	5350.000	36.89	6.52	43.41	54.00	-10.59	AVG
9	5367.840	50.30	6.56	56.86	74.00	-17.14	peak
10	5367.840	36.64	6.56	43.20	54.00	-10.80	AVG
11	5437.920	50.84	6.73	57.57	74.00	-16.43	peak
12	5437.920	37.35	6.73	44.08	54.00	-9.92	AVG

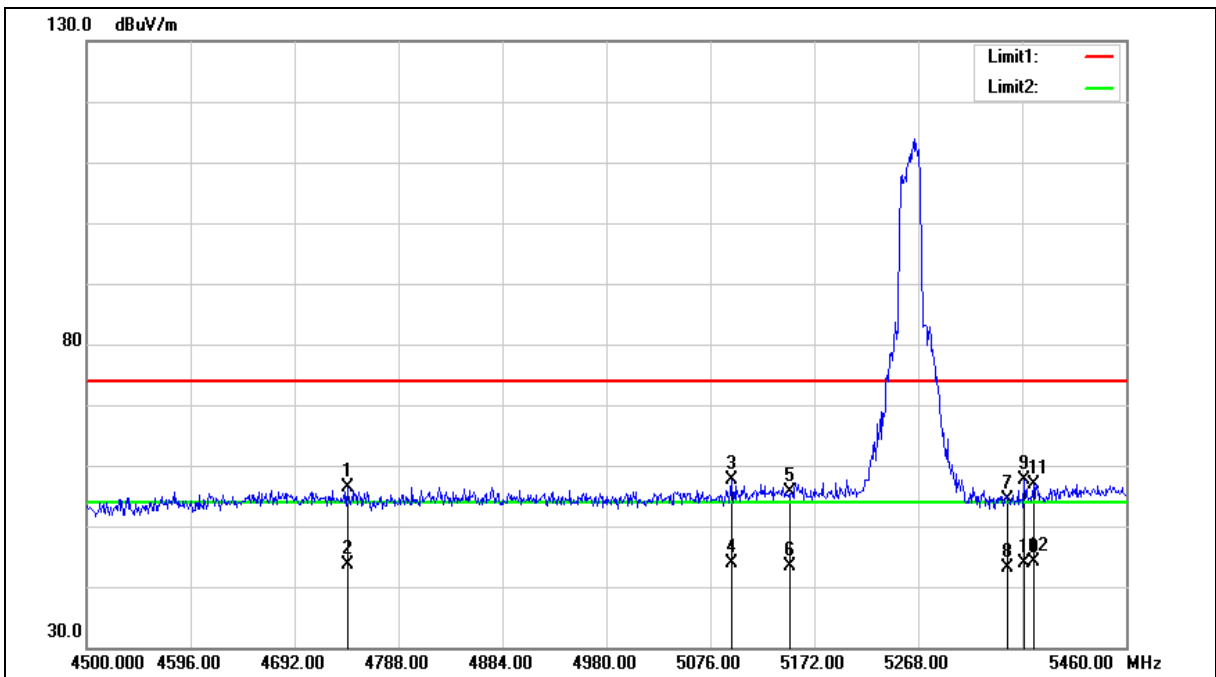
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4740.960	51.25	5.20	56.45	74.00	-17.55	peak
2	4740.960	38.38	5.20	43.58	54.00	-10.42	AVG
3	5096.160	51.71	5.95	57.66	74.00	-16.34	peak
4	5096.160	37.90	5.95	43.85	54.00	-10.15	AVG
5	5150.000	49.54	6.07	55.61	74.00	-18.39	peak
6	5150.000	37.38	6.07	43.45	54.00	-10.55	AVG
7	5350.000	47.82	6.52	54.34	74.00	-19.66	peak
8	5350.000	36.63	6.52	43.15	54.00	-10.85	AVG
9	5365.920	51.04	6.56	57.60	74.00	-16.40	peak
10	5365.920	37.32	6.56	43.88	54.00	-10.12	AVG
11	5374.560	50.26	6.57	56.83	74.00	-17.17	peak
12	5374.560	37.45	6.57	44.02	54.00	-9.98	AVG

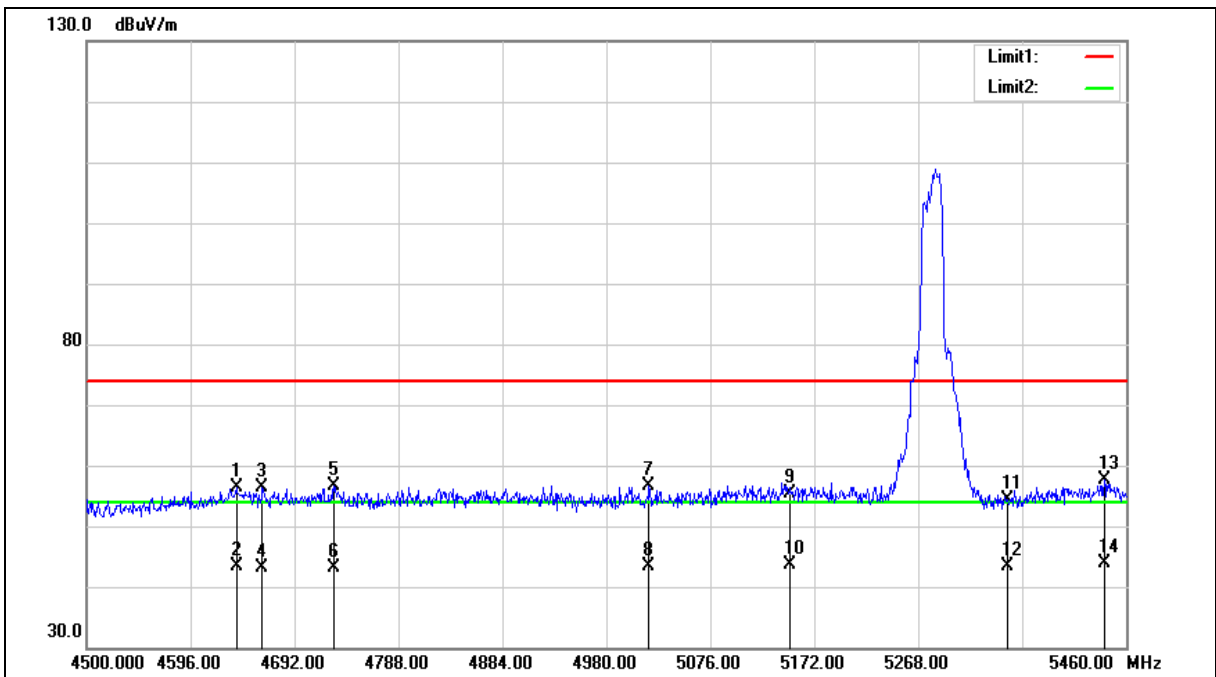
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4638.240	51.27	5.00	56.27	74.00	-17.73	peak
2	4638.240	38.26	5.00	43.26	54.00	-10.74	AVG
3	4662.240	51.41	5.03	56.44	74.00	-17.56	peak
4	4662.240	38.14	5.03	43.17	54.00	-10.83	AVG
5	4728.480	51.43	5.18	56.61	74.00	-17.39	peak
6	4728.480	38.06	5.18	43.24	54.00	-10.76	AVG
7	5019.360	50.96	5.77	56.73	74.00	-17.27	peak
8	5019.360	37.71	5.77	43.48	54.00	-10.52	AVG
9	5150.000	49.35	6.07	55.42	74.00	-18.58	peak
10	5150.000	37.64	6.07	43.71	54.00	-10.29	AVG
11	5350.000	47.77	6.52	54.29	74.00	-19.71	peak
12	5350.000	36.97	6.52	43.49	54.00	-10.51	AVG
13	5439.840	50.85	6.73	57.58	74.00	-16.42	peak
14	5439.840	37.09	6.73	43.82	54.00	-10.18	AVG

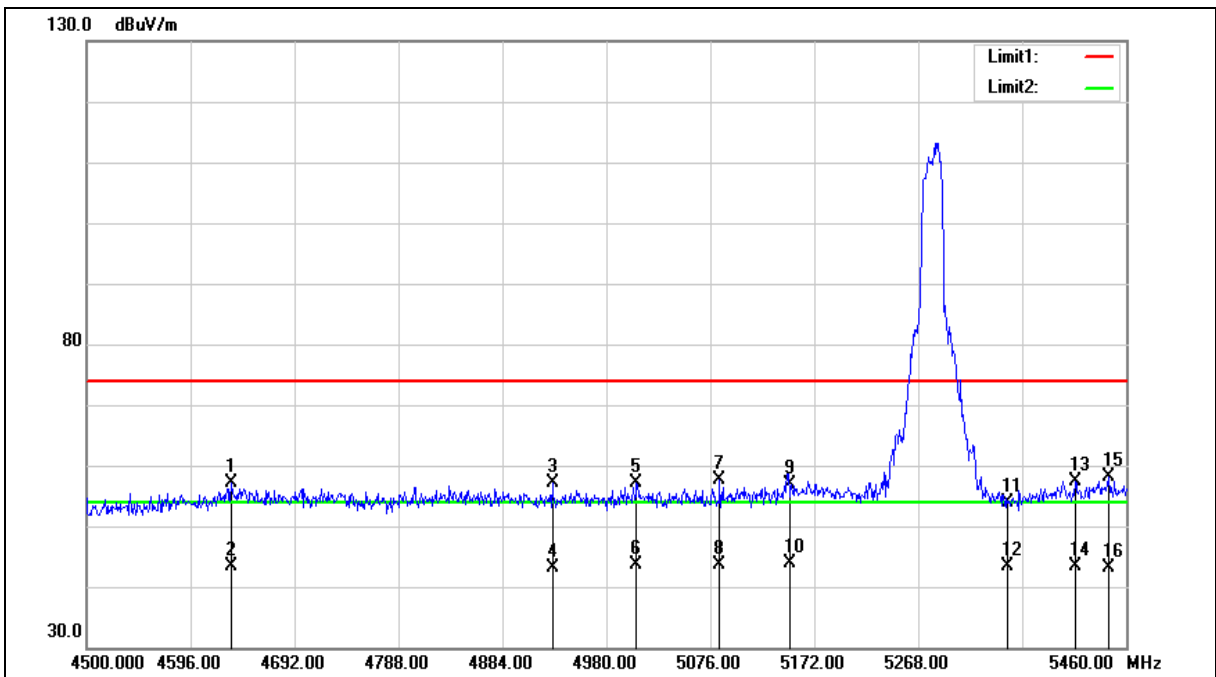
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4633.440	52.06	4.99	57.05	74.00	-16.95	peak
2	4633.440	38.48	4.99	43.47	54.00	-10.53	AVG
3	4930.080	51.46	5.59	57.05	74.00	-16.95	peak
4	4930.080	37.62	5.59	43.21	54.00	-10.79	AVG
5	5007.840	51.35	5.74	57.09	74.00	-16.91	peak
6	5007.840	37.85	5.74	43.59	54.00	-10.41	AVG
7	5084.640	51.70	5.92	57.62	74.00	-16.38	peak
8	5084.640	37.79	5.92	43.71	54.00	-10.29	AVG
9	5150.000	50.75	6.07	56.82	74.00	-17.18	peak
10	5150.000	37.77	6.07	43.84	54.00	-10.16	AVG
11	5350.000	47.44	6.52	53.96	74.00	-20.04	peak
12	5350.000	36.91	6.52	43.43	54.00	-10.57	AVG
13	5412.960	50.82	6.66	57.48	74.00	-16.52	peak
14	5412.960	36.60	6.66	43.26	54.00	-10.74	AVG
15	5443.680	51.46	6.74	58.20	74.00	-15.80	peak
16	5443.680	36.45	6.74	43.19	54.00	-10.81	AVG

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

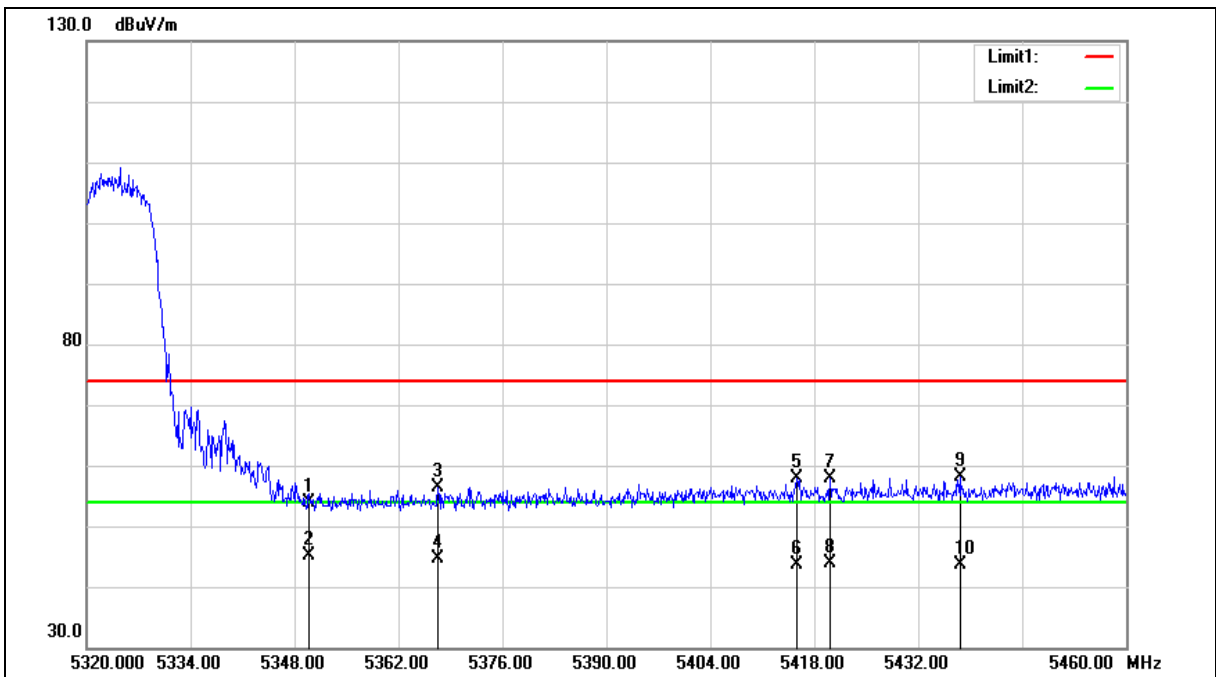
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	47.26	6.52	53.78	74.00	-20.22	peak
2	5350.000	38.66	6.52	45.18	54.00	-8.82	AVG
3	5367.320	49.83	6.56	56.39	74.00	-17.61	peak
4	5367.320	38.11	6.56	44.67	54.00	-9.33	AVG
5	5415.620	51.14	6.67	57.81	74.00	-16.19	peak
6	5415.620	37.07	6.67	43.74	54.00	-10.26	AVG
7	5420.100	51.18	6.69	57.87	74.00	-16.13	peak
8	5420.100	37.29	6.69	43.98	54.00	-10.02	AVG
9	5437.600	51.44	6.73	58.17	74.00	-15.83	peak
10	5437.600	36.82	6.73	43.55	54.00	-10.45	AVG

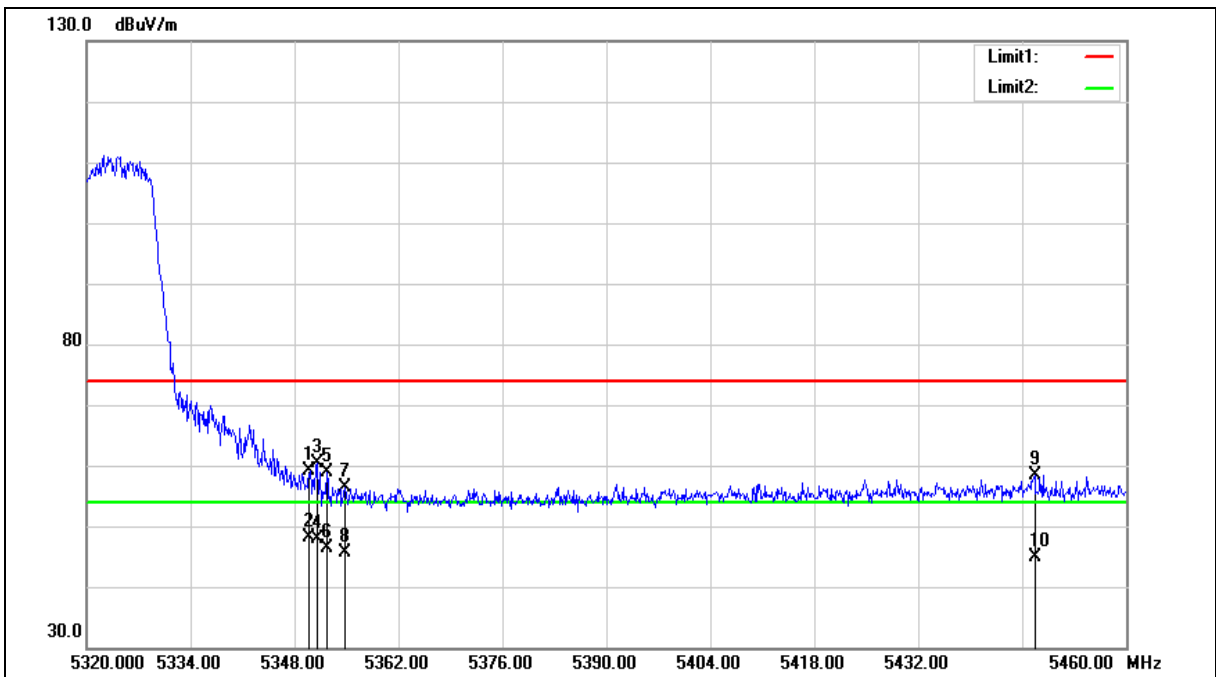
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBUV)	Correct Factor (dB/m)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Remark
1	5350.000	52.62	6.52	59.14	74.00	-14.86	peak
2	5350.000	41.50	6.52	48.02	54.00	-5.98	AVG
3	5351.080	53.76	6.52	60.28	74.00	-13.72	peak
4	5351.080	41.29	6.52	47.81	54.00	-6.19	AVG
5	5352.340	52.33	6.52	58.85	74.00	-15.15	peak
6	5352.340	39.81	6.52	46.33	54.00	-7.67	AVG
7	5354.720	49.76	6.53	56.29	74.00	-17.71	peak
8	5354.720	39.15	6.53	45.68	54.00	-8.32	AVG
9	5447.680	51.58	6.75	58.33	74.00	-15.67	peak
10	5447.680	38.02	6.75	44.77	54.00	-9.23	AVG

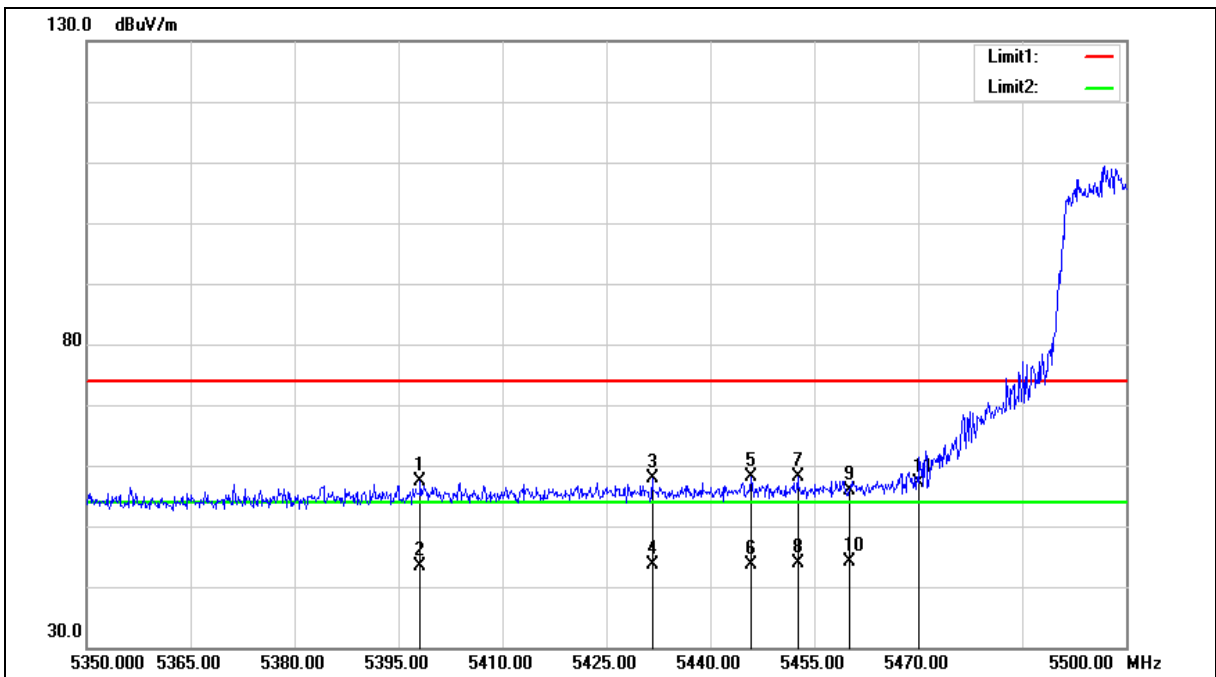
Note:1.Result (dBUV/m) = Correct Factor (dB/m) + Reading(dBUV).

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:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5398.150	50.63	6.63	57.26	74.00	-16.74	peak
2	5398.150	36.85	6.63	43.48	54.00	-10.52	AVG
3	5431.600	51.18	6.71	57.89	74.00	-16.11	peak
4	5431.600	36.90	6.71	43.61	54.00	-10.39	AVG
5	5445.850	51.46	6.74	58.20	74.00	-15.80	peak
6	5445.850	36.90	6.74	43.64	54.00	-10.36	AVG
7	5452.600	51.27	6.75	58.02	74.00	-15.98	peak
8	5452.600	37.06	6.75	43.81	54.00	-10.19	AVG
9	5460.000	49.06	6.77	55.83	74.00	-18.17	peak
10	5460.000	37.42	6.77	44.19	54.00	-9.81	AVG
11	5470.000	50.42	6.80	57.22	68.20	-10.98	peak

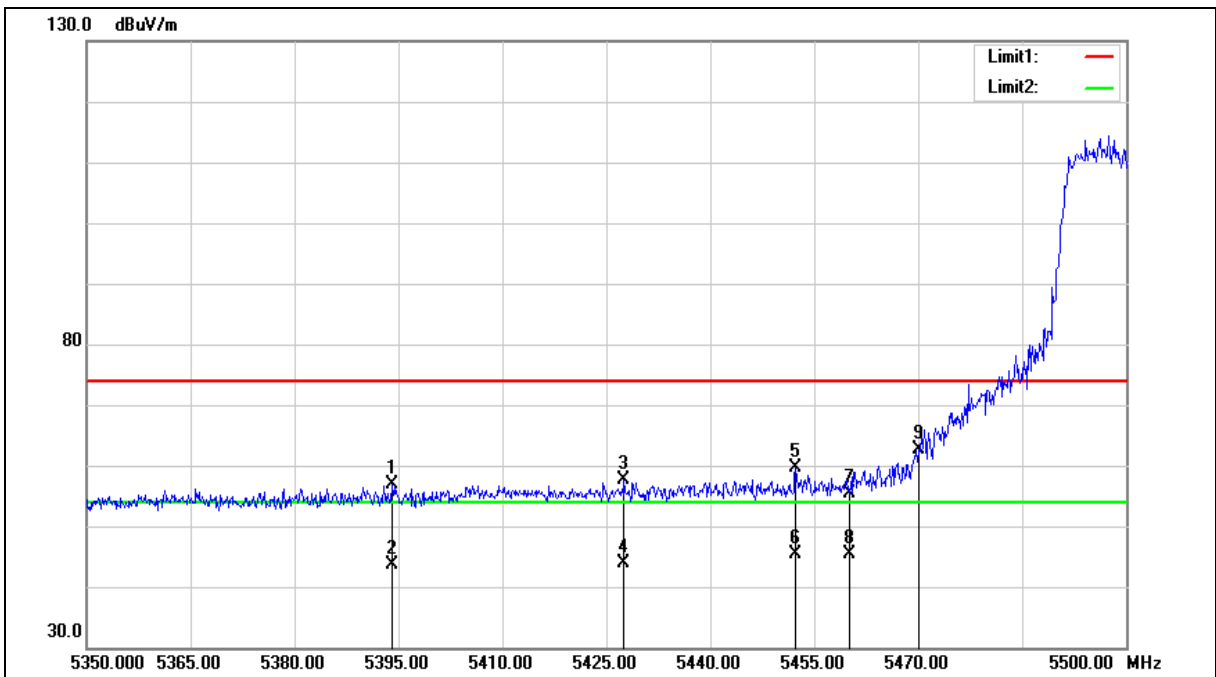
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5394.100	50.37	6.62	56.99	74.00	-17.01	peak
2	5394.100	36.98	6.62	43.60	54.00	-10.40	AVG
3	5427.550	50.99	6.70	57.69	74.00	-16.31	peak
4	5427.550	37.08	6.70	43.78	54.00	-10.22	AVG
5	5452.300	52.87	6.75	59.62	74.00	-14.38	peak
6	5452.300	38.55	6.75	45.30	54.00	-8.70	AVG
7	5460.000	48.63	6.77	55.40	74.00	-18.60	peak
8	5460.000	38.69	6.77	45.46	54.00	-8.54	AVG
9	5470.000	55.92	6.80	62.72	68.20	-5.48	peak

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

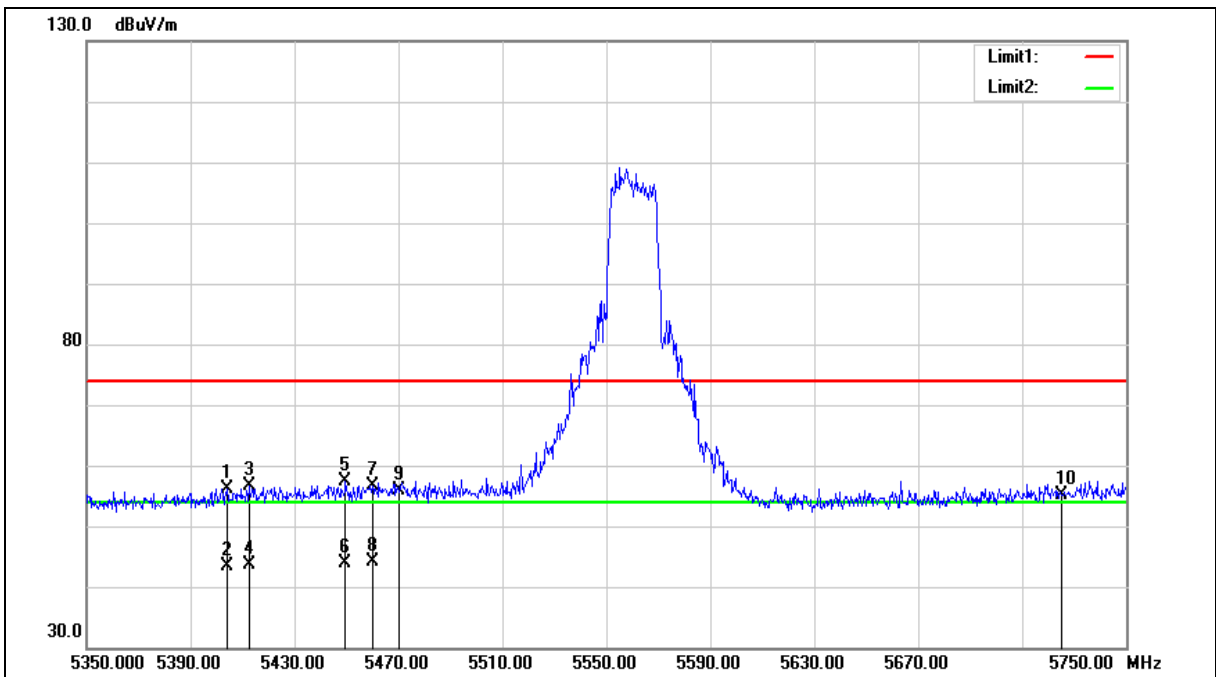
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5404.000	49.56	6.64	56.20	74.00	-17.80	peak
2	5404.000	36.67	6.64	43.31	54.00	-10.69	AVG
3	5412.400	49.86	6.65	56.51	74.00	-17.49	peak
4	5412.400	36.97	6.65	43.62	54.00	-10.38	AVG
5	5449.600	50.56	6.75	57.31	74.00	-16.69	peak
6	5449.600	37.09	6.75	43.84	54.00	-10.16	AVG
7	5460.000	49.97	6.77	56.74	74.00	-17.26	peak
8	5460.000	37.44	6.77	44.21	54.00	-9.79	AVG
9	5470.000	49.17	6.80	55.97	68.20	-12.23	peak
10	5725.000	47.75	7.32	55.07	68.20	-13.13	peak

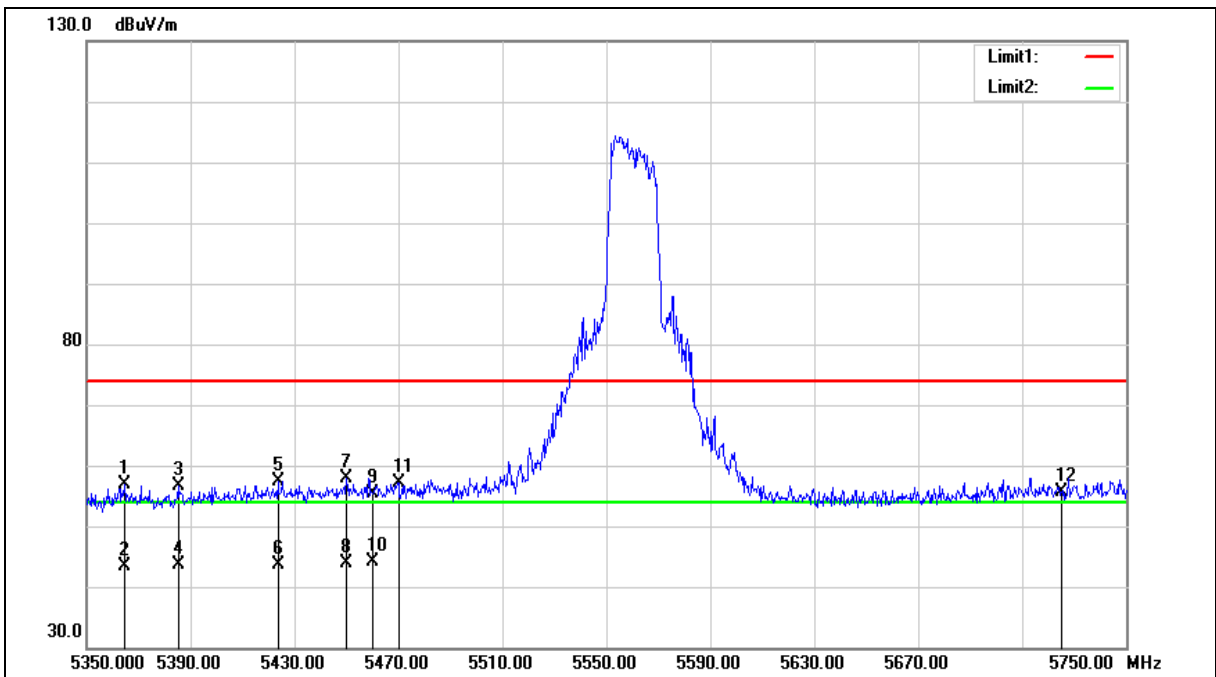
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5364.800	50.37	6.56	56.93	74.00	-17.07	peak
2	5364.800	36.86	6.56	43.42	54.00	-10.58	AVG
3	5385.200	49.99	6.59	56.58	74.00	-17.42	peak
4	5385.200	36.97	6.59	43.56	54.00	-10.44	AVG
5	5423.600	50.75	6.69	57.44	74.00	-16.56	peak
6	5423.600	37.02	6.69	43.71	54.00	-10.29	AVG
7	5450.000	51.05	6.75	57.80	74.00	-16.20	peak
8	5450.000	37.11	6.75	43.86	54.00	-10.14	AVG
9	5460.000	48.66	6.77	55.43	74.00	-18.57	peak
10	5460.000	37.40	6.77	44.17	54.00	-9.83	AVG
11	5470.000	50.44	6.80	57.24	68.20	-10.96	peak
12	5725.000	48.33	7.32	55.65	68.20	-12.55	peak

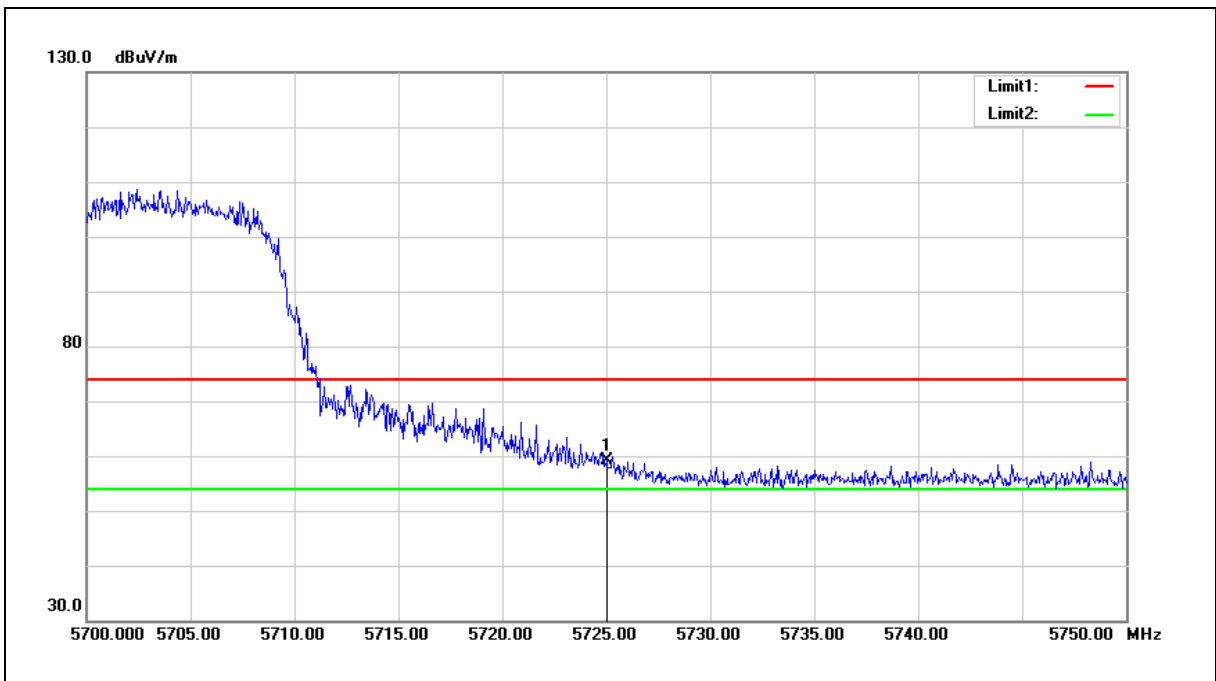
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	51.75	7.32	59.07	68.20	-9.13	peak

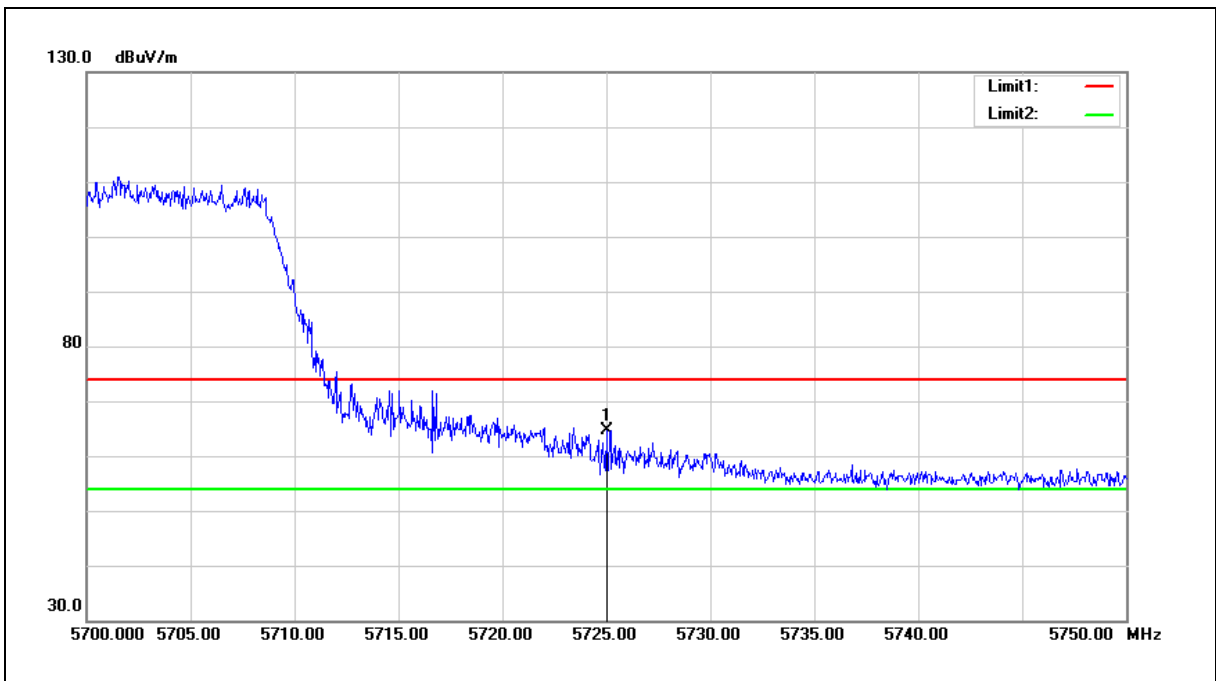
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

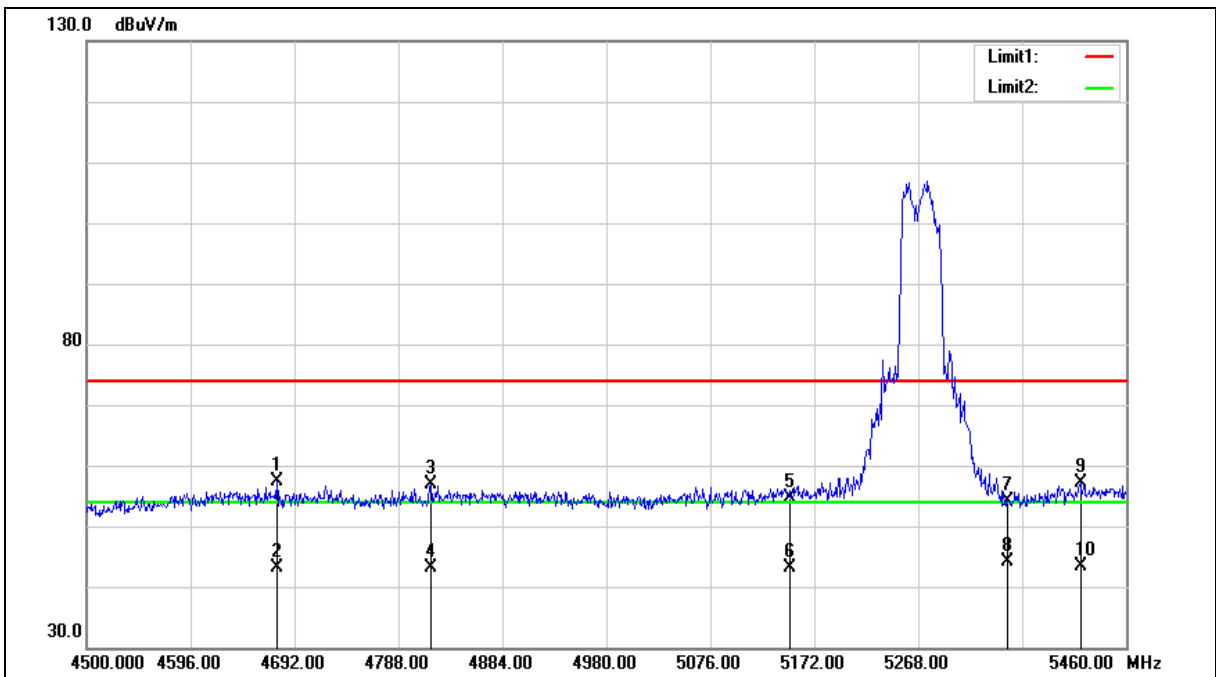


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	57.22	7.32	64.54	68.20	-3.66	peak

- 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:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4675.680	52.35	5.06	57.41	74.00	-16.59	peak
2	4675.680	38.10	5.06	43.16	54.00	-10.84	AVG
3	4817.760	51.46	5.36	56.82	74.00	-17.18	peak
4	4817.760	37.86	5.36	43.22	54.00	-10.78	AVG
5	5150.000	48.65	6.07	54.72	74.00	-19.28	peak
6	5150.000	37.18	6.07	43.25	54.00	-10.75	AVG
7	5350.000	47.71	6.52	54.23	74.00	-19.77	peak
8	5350.000	37.54	6.52	44.06	54.00	-9.94	AVG
9	5417.760	50.51	6.68	57.19	74.00	-16.81	peak
10	5417.760	36.70	6.68	43.38	54.00	-10.62	AVG

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

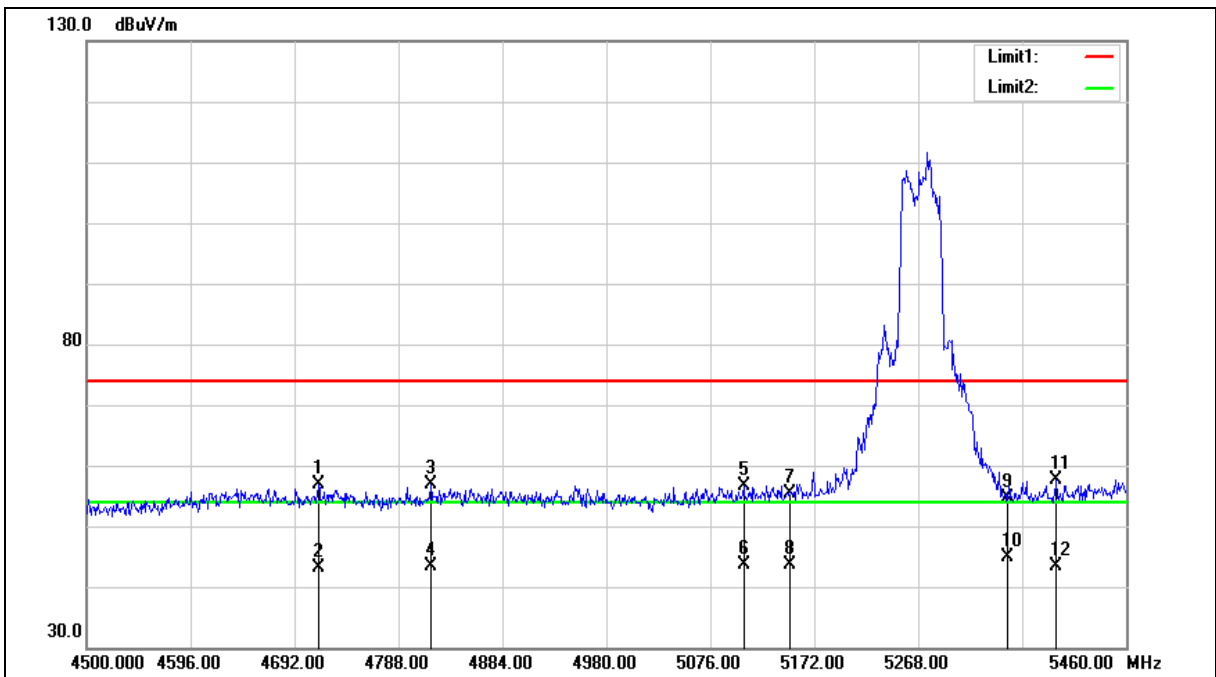
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4714.080	51.74	5.15	56.89	74.00	-17.11	peak
2	4714.080	38.00	5.15	43.15	54.00	-10.85	AVG
3	4817.760	51.58	5.36	56.94	74.00	-17.06	peak
4	4817.760	38.03	5.36	43.39	54.00	-10.61	AVG
5	5106.720	50.74	5.97	56.71	74.00	-17.29	peak
6	5106.720	37.62	5.97	43.59	54.00	-10.41	AVG
7	5150.000	49.26	6.07	55.33	74.00	-18.67	peak
8	5150.000	37.48	6.07	43.55	54.00	-10.45	AVG
9	5350.000	48.20	6.52	54.72	74.00	-19.28	peak
10	5350.000	38.48	6.52	45.00	54.00	-9.00	AVG
11	5395.680	50.89	6.62	57.51	74.00	-16.49	peak
12	5395.680	36.84	6.62	43.46	54.00	-10.54	AVG

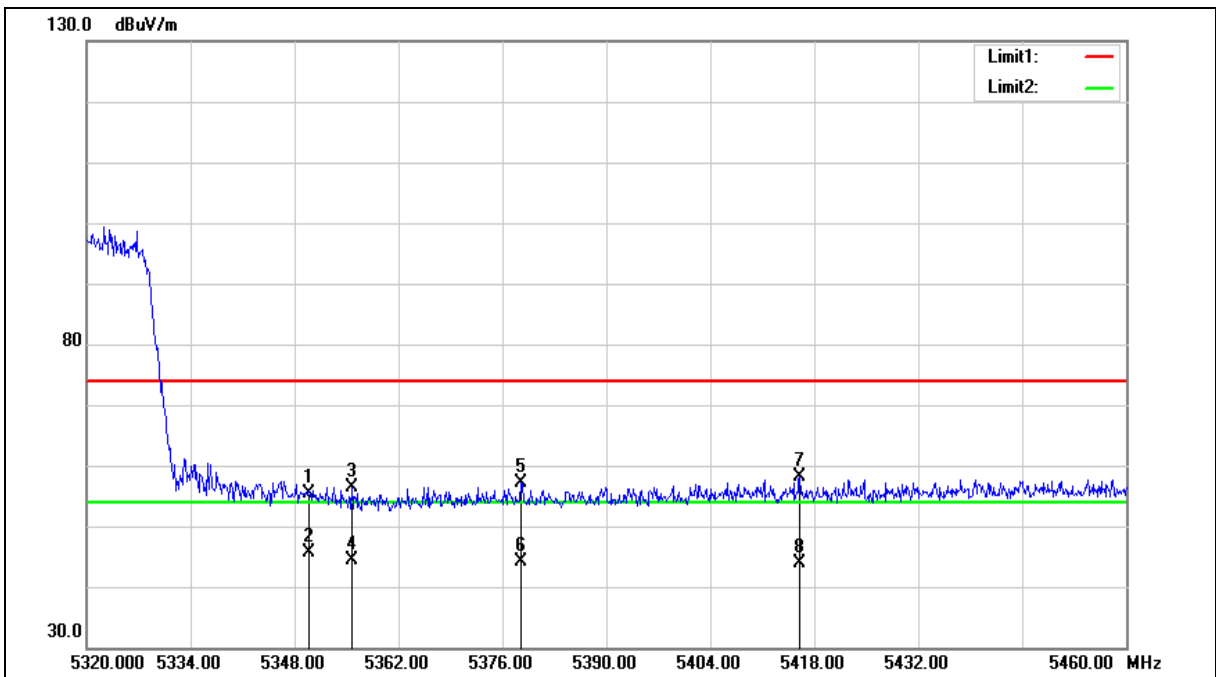
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	48.90	6.52	55.42	74.00	-18.58	peak
2	5350.000	39.02	6.52	45.54	54.00	-8.46	AVG
3	5355.700	49.94	6.53	56.47	74.00	-17.53	peak
4	5355.700	37.83	6.53	44.36	54.00	-9.64	AVG
5	5378.520	50.61	6.58	57.19	74.00	-16.81	peak
6	5378.520	37.57	6.58	44.15	54.00	-9.85	AVG
7	5416.040	51.48	6.67	58.15	74.00	-15.85	peak
8	5416.040	37.19	6.67	43.86	54.00	-10.14	AVG

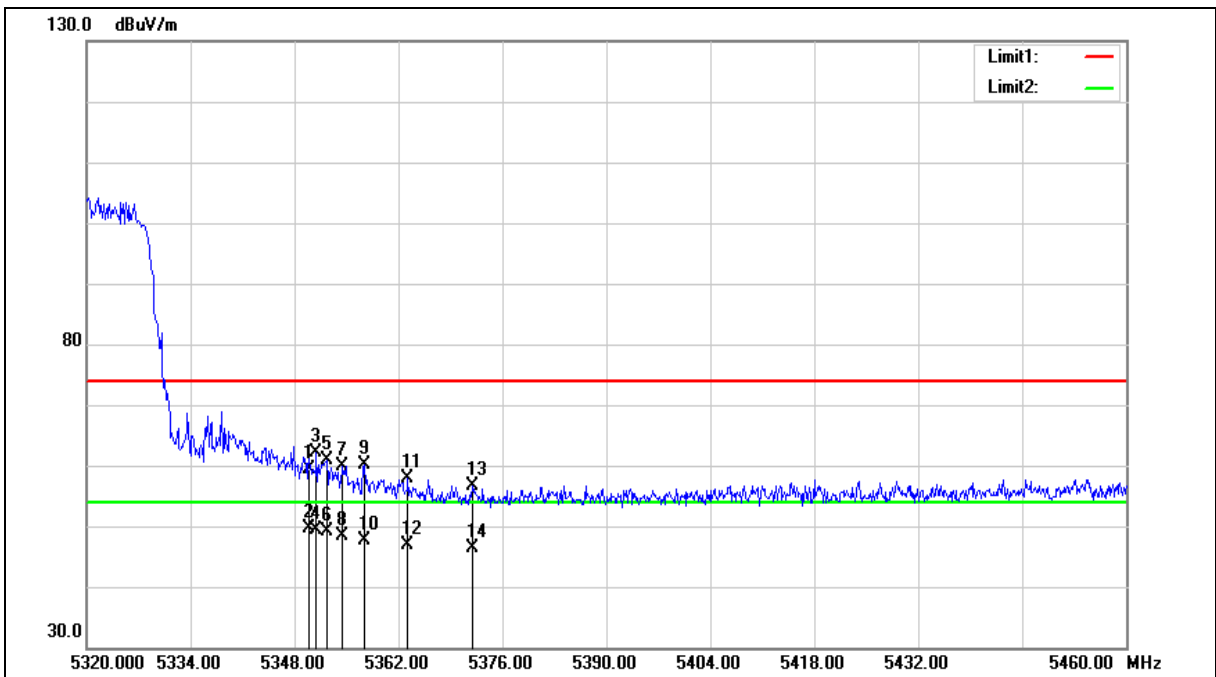
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	52.76	6.52	59.28	74.00	-14.72	peak
2	5350.000	43.15	6.52	49.67	54.00	-4.33	AVG
3	5350.940	55.67	6.52	62.19	74.00	-11.81	peak
4	5350.940	42.90	6.52	49.42	54.00	-4.58	AVG
5	5352.340	54.29	6.52	60.81	74.00	-13.19	peak
6	5352.340	42.56	6.52	49.08	54.00	-4.92	AVG
7	5354.440	53.34	6.53	59.87	74.00	-14.13	peak
8	5354.440	41.95	6.53	48.48	54.00	-5.52	AVG
9	5357.380	53.52	6.53	60.05	74.00	-13.95	peak
10	5357.380	41.07	6.53	47.60	54.00	-6.40	AVG
11	5363.260	51.26	6.55	57.81	74.00	-16.19	peak
12	5363.260	40.23	6.55	46.78	54.00	-7.22	AVG
13	5371.940	50.11	6.57	56.68	74.00	-17.32	peak
14	5371.940	39.72	6.57	46.29	54.00	-7.71	AVG

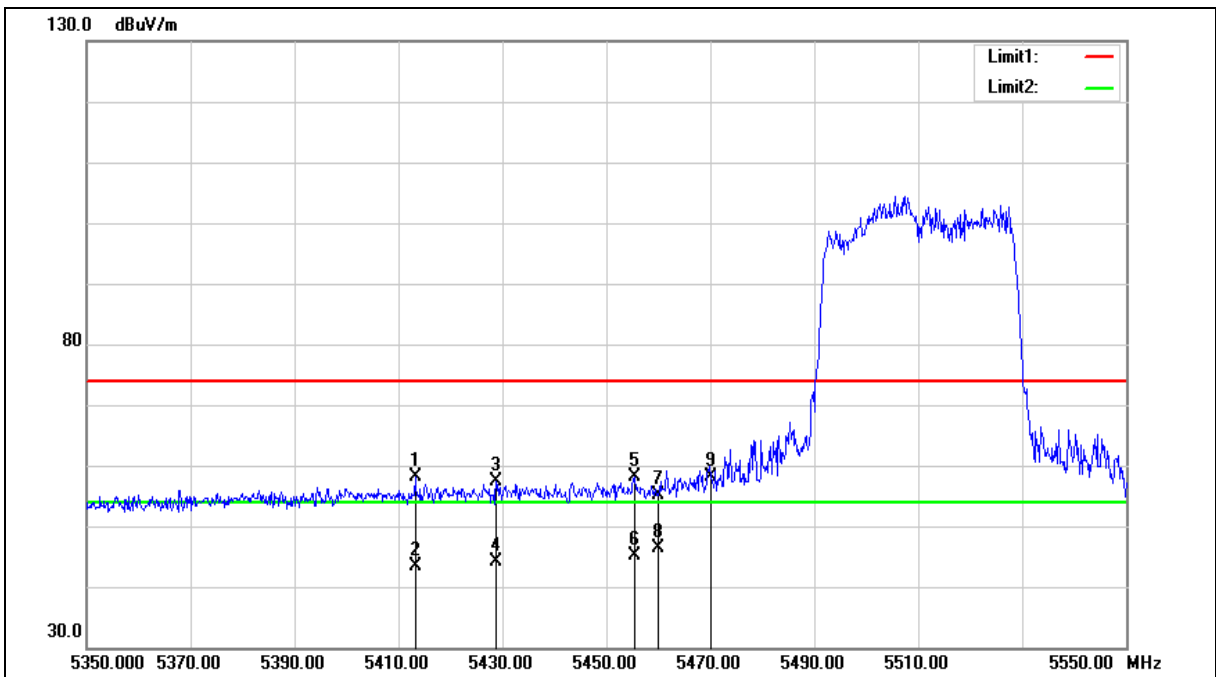
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5413.200	51.37	6.66	58.03	74.00	-15.97	peak
2	5413.200	36.68	6.66	43.34	54.00	-10.66	AVG
3	5428.800	50.67	6.70	57.37	74.00	-16.63	peak
4	5428.800	37.39	6.70	44.09	54.00	-9.91	AVG
5	5455.400	51.45	6.76	58.21	74.00	-15.79	peak
6	5455.400	38.47	6.76	45.23	54.00	-8.77	AVG
7	5460.000	48.35	6.77	55.12	74.00	-18.88	peak
8	5460.000	39.50	6.77	46.27	54.00	-7.73	AVG
9	5470.000	51.31	6.80	58.11	68.20	-10.09	peak

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

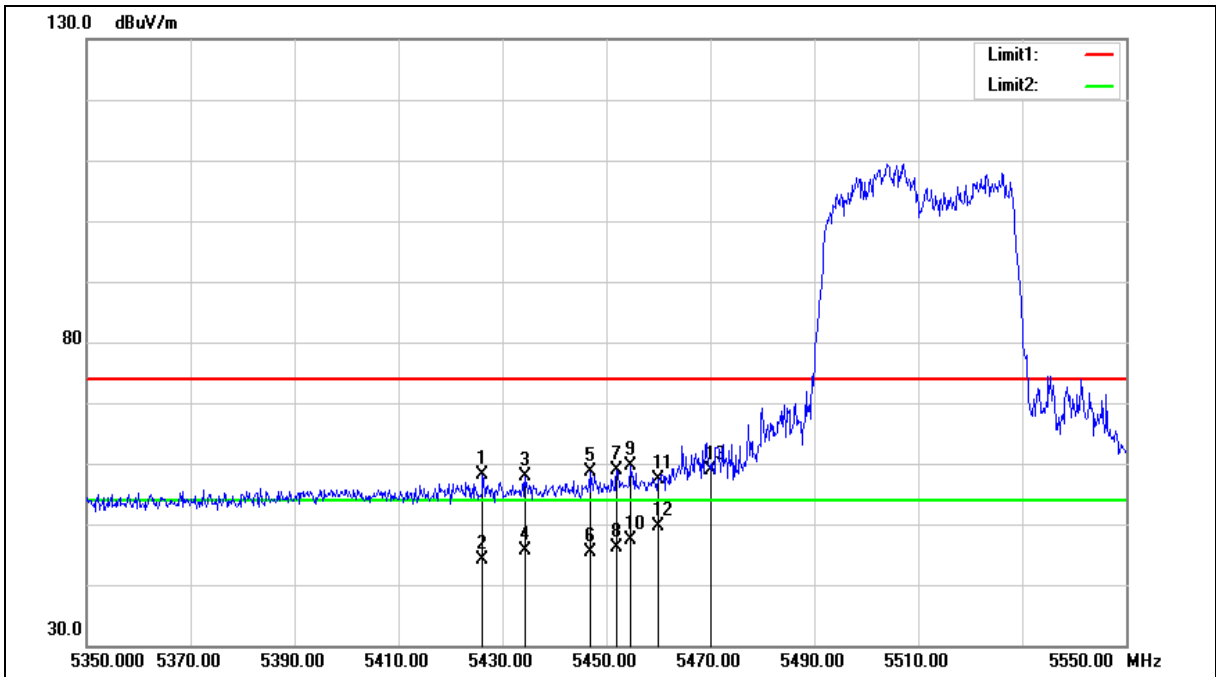
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5426.200	51.50	6.70	58.20	74.00	-15.80	peak
2	5426.200	37.39	6.70	44.09	54.00	-9.91	AVG
3	5434.400	51.27	6.71	57.98	74.00	-16.02	peak
4	5434.400	38.87	6.71	45.58	54.00	-8.42	AVG
5	5446.800	51.78	6.74	58.52	74.00	-15.48	peak
6	5446.800	38.67	6.74	45.41	54.00	-8.59	AVG
7	5452.000	52.04	6.75	58.79	74.00	-15.21	peak
8	5452.000	39.28	6.75	46.03	54.00	-7.97	AVG
9	5454.600	52.89	6.76	59.65	74.00	-14.35	peak
10	5454.600	40.62	6.76	47.38	54.00	-6.62	AVG
11	5460.000	50.49	6.77	57.26	74.00	-16.74	peak
12	5460.000	42.76	6.77	49.53	54.00	-4.47	AVG
13	5470.000	52.10	6.80	58.90	68.20	-9.3	peak

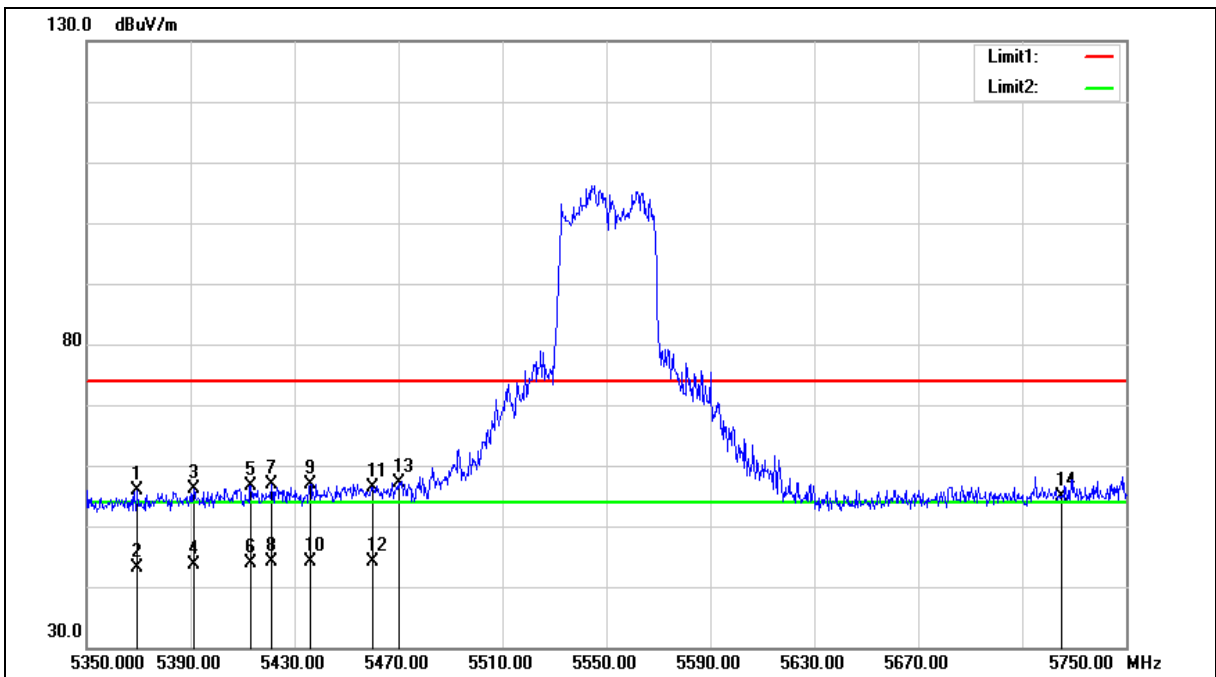
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5369.600	49.25	6.57	55.82	74.00	-18.18	peak
2	5369.600	36.62	6.57	43.19	54.00	-10.81	AVG
3	5391.200	49.53	6.61	56.14	74.00	-17.86	peak
4	5391.200	37.12	6.61	43.73	54.00	-10.27	AVG
5	5413.200	49.94	6.66	56.60	74.00	-17.40	peak
6	5413.200	37.15	6.66	43.81	54.00	-10.19	AVG
7	5421.200	50.10	6.69	56.79	74.00	-17.21	peak
8	5421.200	37.50	6.69	44.19	54.00	-9.81	AVG
9	5436.000	50.20	6.71	56.91	74.00	-17.09	peak
10	5436.000	37.50	6.71	44.21	54.00	-9.79	AVG
11	5460.000	49.70	6.77	56.47	74.00	-17.53	peak
12	5460.000	37.44	6.77	44.21	54.00	-9.79	AVG
13	5470.000	50.33	6.80	57.13	68.20	-11.07	peak
14	5725.000	47.52	7.32	54.84	68.20	-13.36	peak

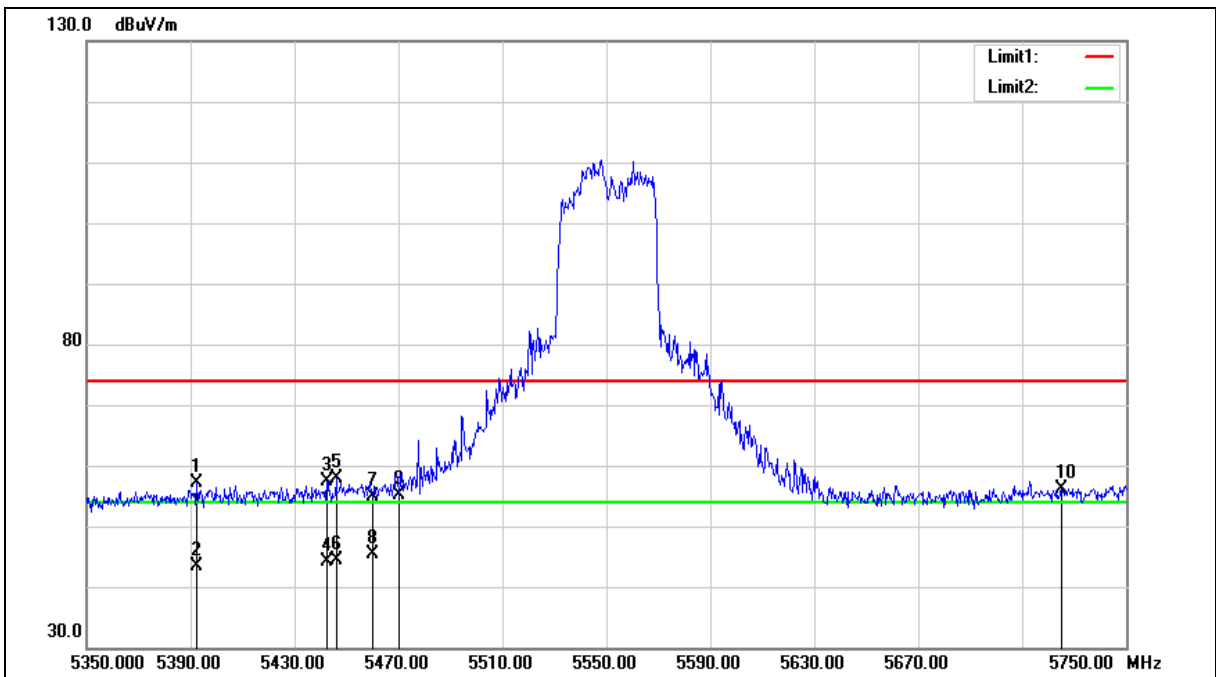
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5392.400	50.41	6.62	57.03	74.00	-16.97	peak
2	5392.400	36.87	6.62	43.49	54.00	-10.51	AVG
3	5442.400	50.65	6.74	57.39	74.00	-16.61	peak
4	5442.400	37.50	6.74	44.24	54.00	-9.76	AVG
5	5446.000	51.22	6.74	57.96	74.00	-16.04	peak
6	5446.000	37.64	6.74	44.38	54.00	-9.62	AVG
7	5460.000	48.09	6.77	54.86	74.00	-19.14	peak
8	5460.000	38.54	6.77	45.31	54.00	-8.69	AVG
9	5470.000	48.33	6.80	55.13	68.20	-13.07	peak
10	5725.000	48.84	7.32	56.16	68.20	-13.04	peak

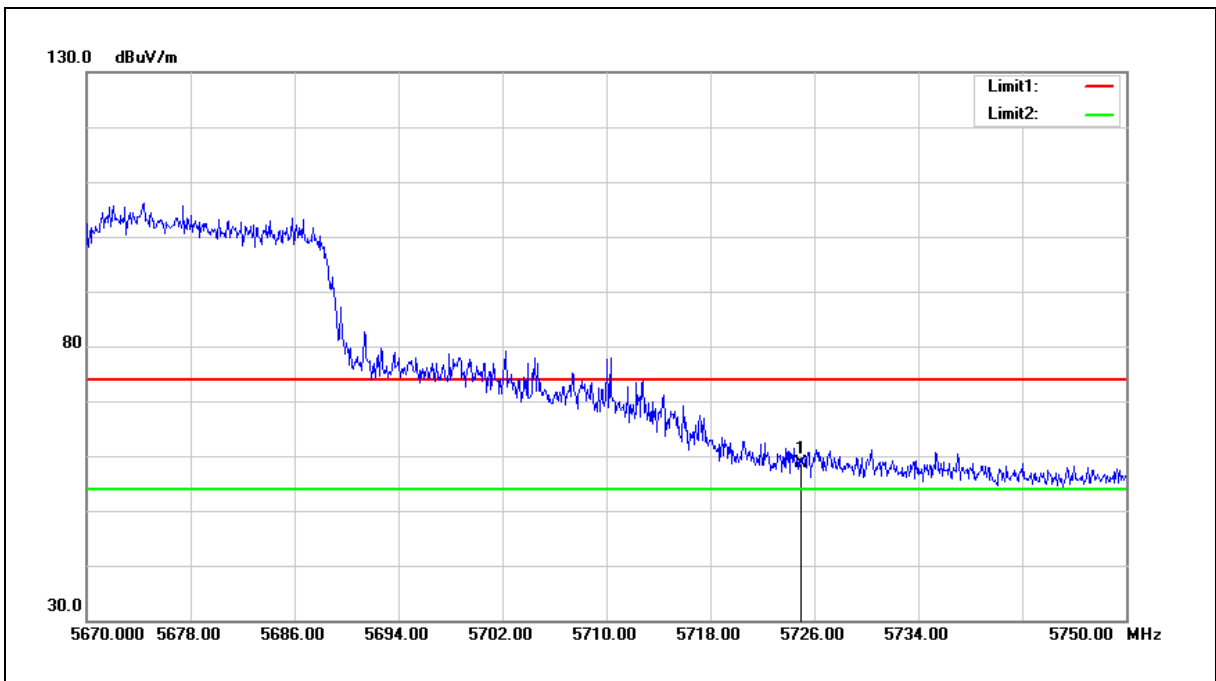
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5670 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	51.28	7.32	58.60	68.20	-9.6	peak

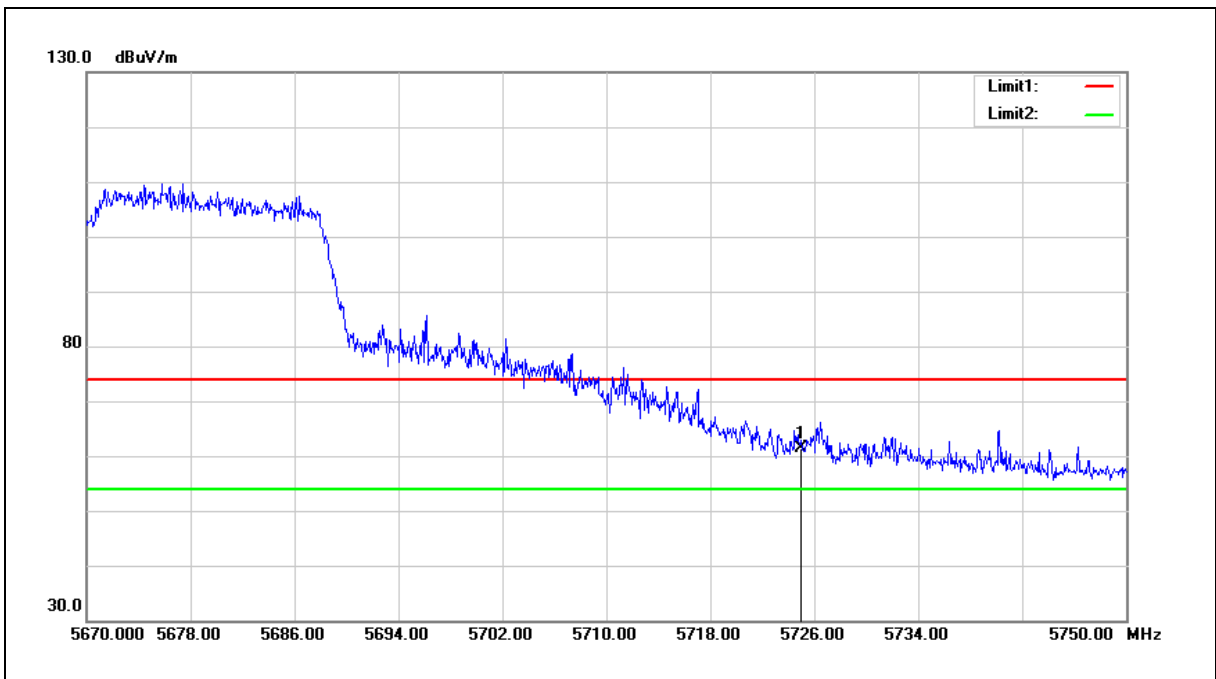
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5670 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



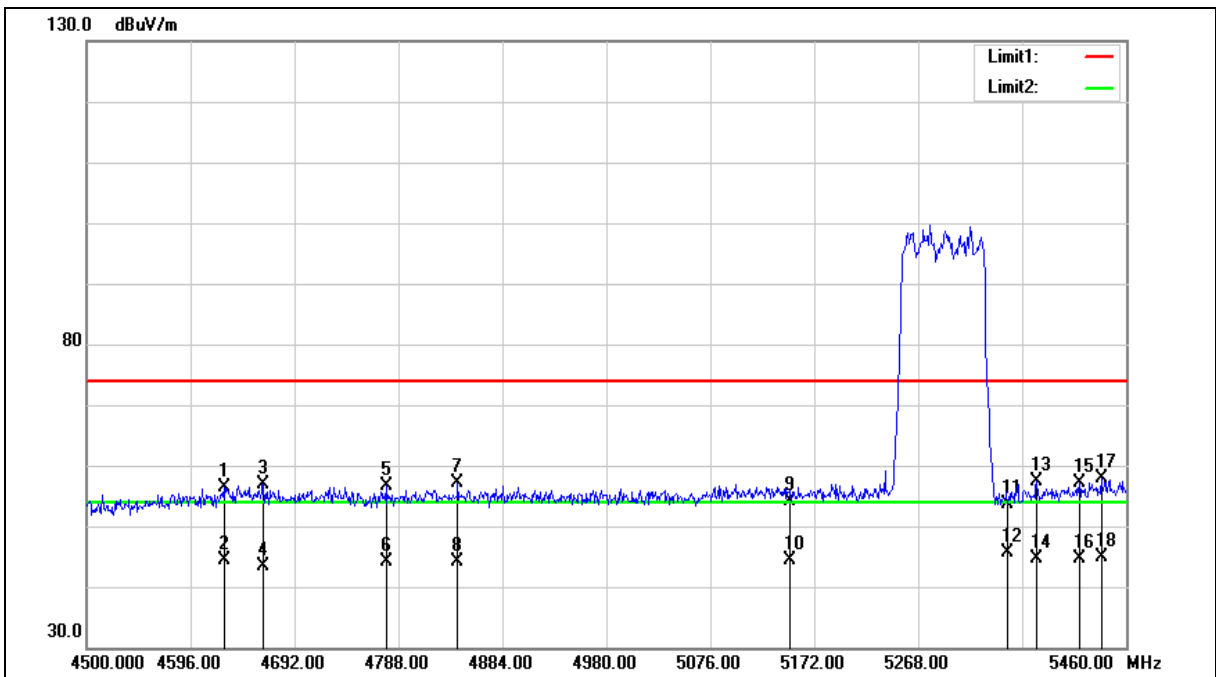
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	54.02	7.32	61.34	68.20	-6.86	peak

- 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:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/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:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/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	4626.720	51.44	4.96	56.40	74.00	-17.60	peak
2	4626.720	39.33	4.96	44.29	54.00	-9.71	AVG
3	4663.200	51.91	5.04	56.95	74.00	-17.05	peak
4	4663.200	38.23	5.04	43.27	54.00	-10.73	AVG
5	4776.480	51.33	5.27	56.60	74.00	-17.40	peak
6	4776.480	38.84	5.27	44.11	54.00	-9.89	AVG
7	4842.720	51.65	5.42	57.07	74.00	-16.93	peak
8	4842.720	38.66	5.42	44.08	54.00	-9.92	AVG
9	5150.000	48.09	6.07	54.16	74.00	-19.84	peak
10	5150.000	38.19	6.07	44.26	54.00	-9.74	AVG
11	5350.000	47.09	6.52	53.61	74.00	-20.39	peak
12	5350.000	39.00	6.52	45.52	54.00	-8.48	AVG
13	5377.440	50.77	6.58	57.35	74.00	-16.65	peak
14	5377.440	38.04	6.58	44.62	54.00	-9.38	AVG
15	5416.800	50.37	6.68	57.05	74.00	-16.95	peak
16	5416.800	37.85	6.68	44.53	54.00	-9.47	AVG
17	5436.960	51.13	6.72	57.85	74.00	-16.15	peak
18	5436.960	38.07	6.72	44.79	54.00	-9.21	AVG

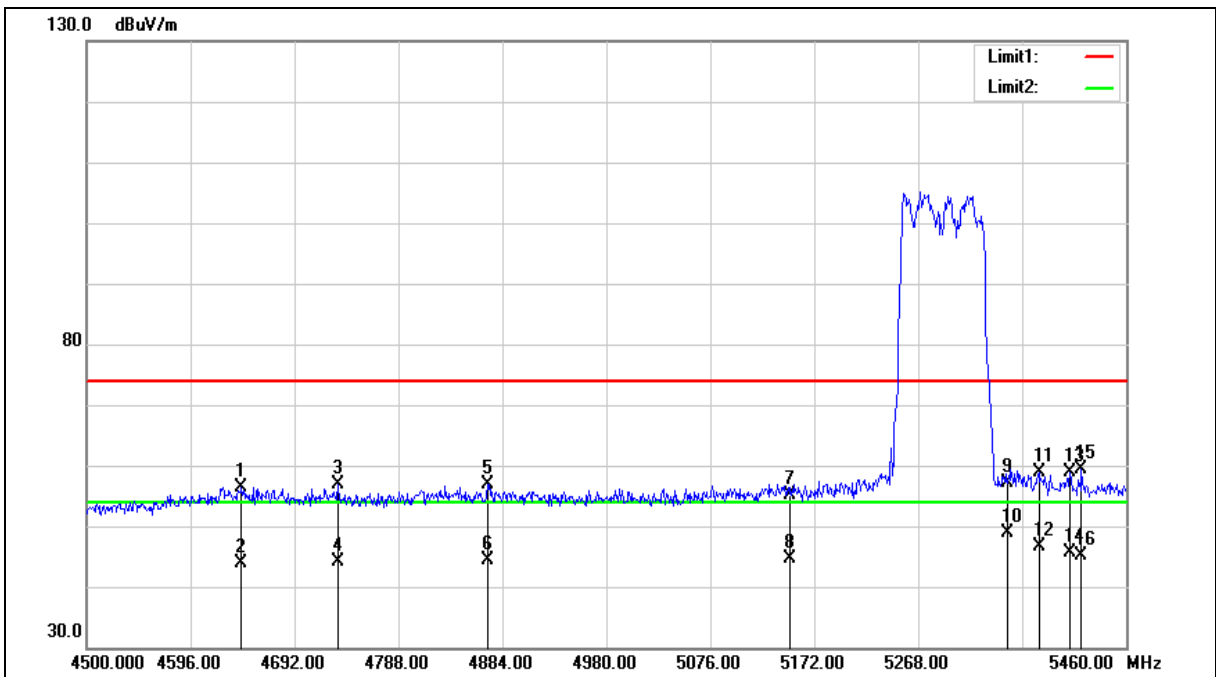
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/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:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/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	4643.040	51.45	5.01	56.46	74.00	-17.54	peak
2	4643.040	38.83	5.01	43.84	54.00	-10.16	AVG
3	4732.320	51.77	5.18	56.95	74.00	-17.05	peak
4	4732.320	38.92	5.18	44.10	54.00	-9.90	AVG
5	4870.560	51.39	5.46	56.85	74.00	-17.15	peak
6	4870.560	38.93	5.46	44.39	54.00	-9.61	AVG
7	5150.000	49.13	6.07	55.20	74.00	-18.80	peak
8	5150.000	38.66	6.07	44.73	54.00	-9.27	AVG
9	5350.000	50.54	6.52	57.06	74.00	-16.94	peak
10	5350.000	42.42	6.52	48.94	54.00	-5.06	AVG
11	5379.360	52.28	6.58	58.86	74.00	-15.14	peak
12	5379.360	40.12	6.58	46.70	54.00	-7.30	AVG
13	5408.160	52.22	6.64	58.86	74.00	-15.14	peak
14	5408.160	39.02	6.64	45.66	54.00	-8.34	AVG
15	5418.720	52.70	6.68	59.38	74.00	-14.62	peak
16	5418.720	38.47	6.68	45.15	54.00	-8.85	AVG

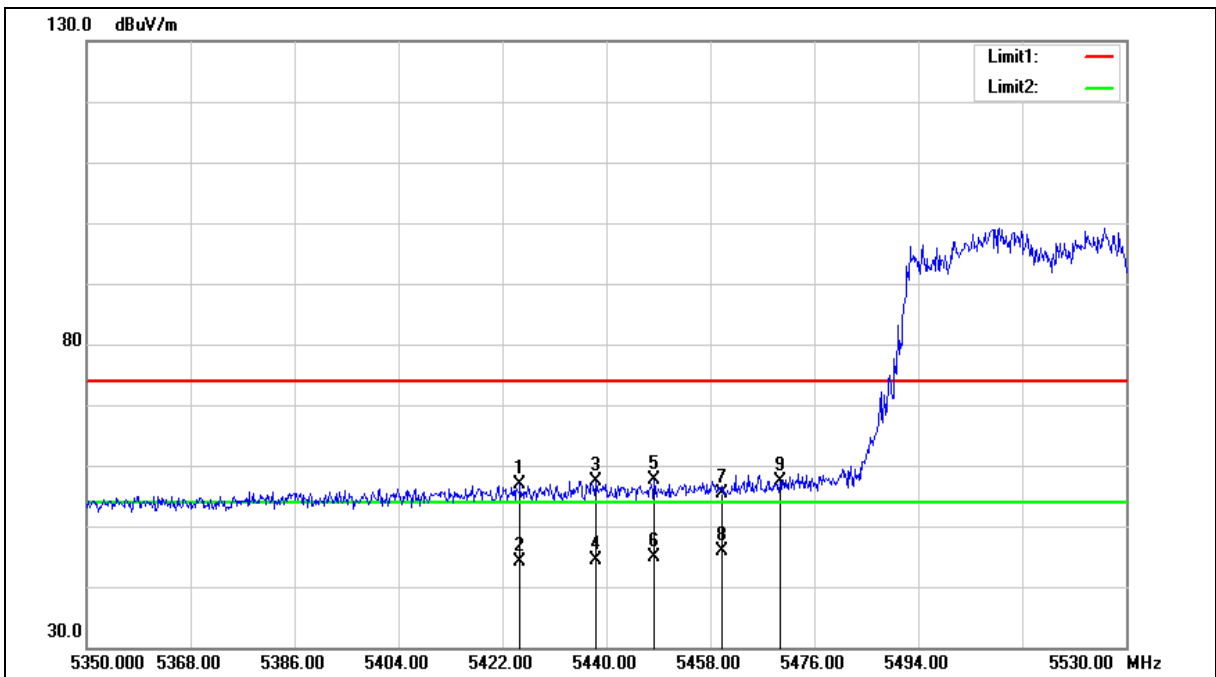
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/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:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/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	5425.060	50.17	6.70	56.87	74.00	-17.13	peak
2	5425.060	37.40	6.70	44.10	54.00	-9.90	AVG
3	5438.200	50.61	6.73	57.34	74.00	-16.66	peak
4	5438.200	37.66	6.73	44.39	54.00	-9.61	AVG
5	5448.280	50.79	6.75	57.54	74.00	-16.46	peak
6	5448.280	38.22	6.75	44.97	54.00	-9.03	AVG
7	5460.000	48.51	6.77	55.28	74.00	-18.72	peak
8	5460.000	39.05	6.77	45.82	54.00	-8.18	AVG
9	5470.000	50.53	6.80	57.33	68.20	-10.87	peak

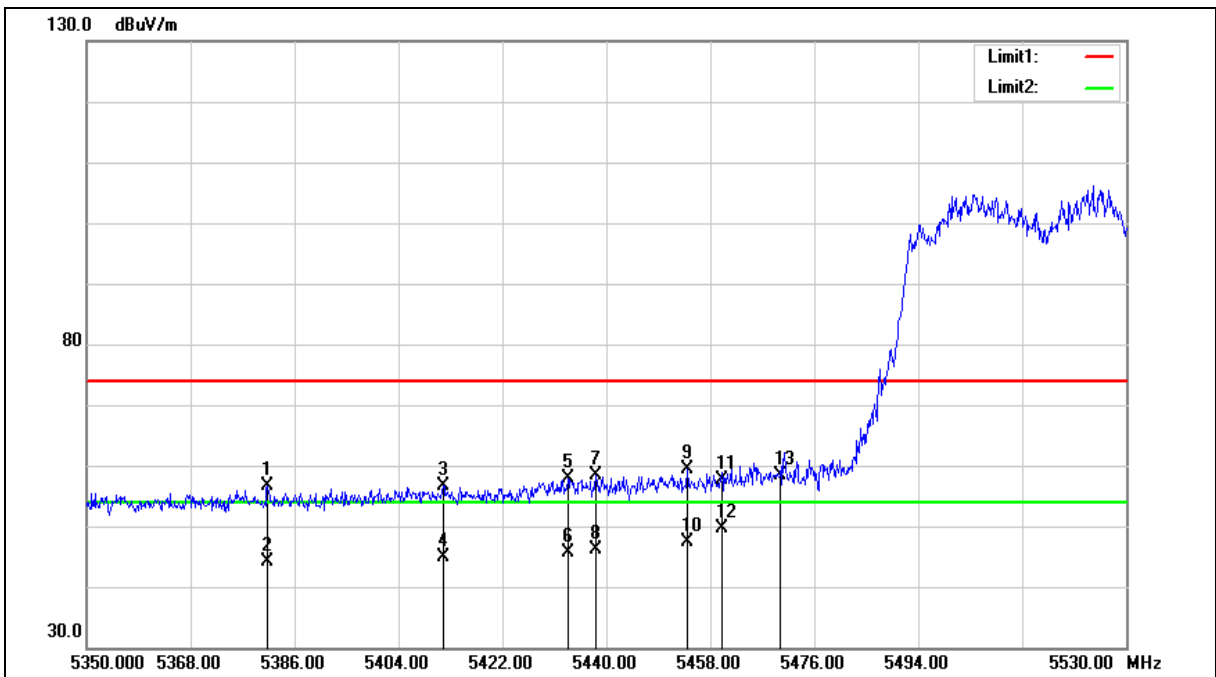
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/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:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/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	5381.320	49.96	6.59	56.55	74.00	-17.45	peak
2	5381.320	37.50	6.59	44.09	54.00	-9.91	AVG
3	5411.740	49.94	6.65	56.59	74.00	-17.41	peak
4	5411.740	38.21	6.65	44.86	54.00	-9.14	AVG
5	5433.340	51.17	6.71	57.88	74.00	-16.12	peak
6	5433.340	38.91	6.71	45.62	54.00	-8.38	AVG
7	5438.200	51.53	6.73	58.26	74.00	-15.74	peak
8	5438.200	39.37	6.73	46.10	54.00	-7.90	AVG
9	5454.040	52.60	6.76	59.36	74.00	-14.64	peak
10	5454.040	40.71	6.76	47.47	54.00	-6.53	AVG
11	5460.000	50.90	6.77	57.67	74.00	-16.33	peak
12	5460.000	42.77	6.77	49.54	54.00	-4.46	AVG
13	5470.000	51.60	6.80	58.40	68.20	-9.8	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 and Transmit power control Measurement

Test Mode		Mode 2: IEEE 802.11a Continuous TX mode						FCC Limit (dBm)
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5260.0	6 M	16.85	0.048	16.76	0.047	19.82	0.096	≤ 23.13
5280.0		17.15	0.052	16.99	0.050	20.08	0.102	
5300.0		17.18	0.052	17.14	0.052	<b>20.17</b>	<b>0.104</b>	
5320.0		16.77	0.048	16.93	0.049	19.86	0.097	
5500.0		16.30	0.043	16.17	0.041	19.25	0.084	≤ 23.08
5520.0		15.80	0.038	15.95	0.039	18.89	0.077	
5540.0		15.79	0.038	16.05	0.040	18.93	0.078	
5560.0		15.66	0.037	16.30	0.043	19.00	0.079	
5580.0		15.74	0.037	16.28	0.042	19.03	0.080	
5660.0		16.05	0.040	15.63	0.037	18.86	0.077	
5680.0		15.92	0.039	15.48	0.035	18.72	0.074	
5700.0		17.70	0.059	17.10	0.051	<b>20.42</b>	<b>0.110</b>	

Test Mode		Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode						FCC Limit (dBm)
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5260.0	13 M	17.35	0.054	16.74	0.047	20.07	0.102	≤ 23.41
5280.0		17.43	0.055	17.05	0.051	20.25	0.106	
5300.0		17.19	0.052	17.33	0.054	20.27	0.106	
5320.0		17.05	0.051	17.56	0.057	<b>20.32</b>	<b>0.108</b>	
5500.0		16.20	0.042	17.28	0.053	19.78	0.095	≤ 23.38
5520.0		15.61	0.036	16.43	0.044	19.05	0.080	
5540.0		15.90	0.039	16.54	0.045	19.24	0.084	
5560.0		16.33	0.043	16.72	0.047	19.54	0.090	
5580.0		16.74	0.047	16.70	0.047	19.73	0.094	
5660.0		17.26	0.053	15.73	0.037	19.57	0.091	
5680.0		17.20	0.052	15.61	0.036	19.49	0.089	
5700.0		18.29	0.067	16.62	0.046	<b>20.55</b>	<b>0.113</b>	

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



Test Mode		Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5270.0	27 M	18.43	0.070	18.39	0.069	<b>21.42</b>	<b>0.139</b>	≤ 24.00
5310.0		16.39	0.044	16.52	0.045	19.47	0.088	
5510.0		16.40	0.044	16.30	0.043	19.36	0.086	≤ 24.00
5550.0		18.67	0.074	18.78	0.076	<b>21.74</b>	<b>0.149</b>	
5670.0		18.92	0.078	18.50	0.071	21.73	0.149	

Test Mode		Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5290.0	58.6 M	16.36	0.043	16.69	0.047	<b>19.54</b>	<b>0.090</b>	≤ 24.00
5530.0		16.21	0.042	16.50	0.045	<b>19.37</b>	<b>0.086</b>	≤ 24.00

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



Beamforming on

Test Mode		Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode						FCC Limit (dBm)
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5260.0	13 M	14.14	0.026	13.55	0.023	16.87	0.049	≤ 21.69
5280.0		13.68	0.023	13.52	0.022	16.61	0.046	
5300.0		13.73	0.024	13.84	0.024	16.80	0.048	
5320.0		13.51	0.022	14.21	0.026	<b>16.88</b>	<b>0.049</b>	
5500.0		13.03	0.020	13.97	0.025	16.54	0.045	≤ 21.25
5520.0		12.35	0.017	13.10	0.020	15.75	0.038	
5540.0		12.70	0.019	13.12	0.021	15.93	0.039	
5560.0		13.15	0.021	13.30	0.021	16.24	0.042	
5580.0		13.40	0.022	13.24	0.021	16.33	0.043	
5660.0		14.01	0.025	12.45	0.018	16.31	0.043	
5680.0		13.97	0.025	12.40	0.017	16.27	0.042	
5700.0		14.70	0.030	13.16	0.021	<b>17.01</b>	<b>0.050</b>	

Test Mode		Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode						FCC Limit (dBm)
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5270.0	27 M	15.05	0.032	15.00	0.032	<b>18.04</b>	<b>0.064</b>	≤ 22.28
5310.0		13.12	0.021	13.29	0.021	16.22	0.042	
5510.0		13.15	0.021	12.94	0.020	16.06	0.040	≤ 21.90
5550.0		15.45	0.035	15.74	0.037	18.61	0.073	
5670.0		15.83	0.038	15.43	0.035	<b>18.64</b>	<b>0.073</b>	

Test Mode		Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode						FCC Limit (dBm)
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5290.0	58.6 M	13.17	0.021	13.14	0.021	<b>16.17</b>	<b>0.041</b>	≤ 22.28
5530.0		12.99	0.020	13.22	0.021	<b>16.12</b>	<b>0.041</b>	≤ 21.90

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



#### 5.4. 26 dB RF Bandwidth

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode	
Frequency (MHz)	ANT-0	ANT-1
5260.0	18.910	18.860
5280.0	18.870	18.580
5320.0	18.950	18.400
5500.0	18.990	18.480
5560.0	18.790	18.820
5700.0	18.630	19.120

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode	
Frequency (MHz)	ANT-0	ANT-1
5260.0	19.740	19.690
5280.0	19.590	19.600
5320.0	20.160	19.550
5500.0	20.740	19.340
5560.0	19.650	19.940
5700.0	19.490	20.340

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode	
Frequency (MHz)	ANT-0	ANT-1
5270.0	39.880	40.030
5310.0	39.880	40.130
5510.0	39.350	40.090
5550.0	39.520	40.000
5670.0	40.110	39.460

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode	
Frequency (MHz)	ANT-0	ANT-1
5290.0	82.540	83.520
5530.0	81.040	83.220



Beamforming on

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode	
Frequency (MHz)	ANT-0	ANT-1
5260.0	19.610	19.990
5280.0	19.540	19.710
5320.0	20.000	19.660
5500.0	20.240	19.520
5560.0	19.540	19.790
5700.0	19.270	20.340

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode	
Frequency (MHz)	ANT-0	ANT-1
5270.0	40.050	40.010
5310.0	39.670	39.860
5510.0	39.120	39.880
5550.0	39.110	40.030
5670.0	40.160	39.460

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode	
Frequency (MHz)	ANT-0	ANT-1
5290.0	81.450	83.370
5530.0	80.930	83.550



■ Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ANT-0																			
5260	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.26000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.26 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>22.1 dBm</td> </tr> <tr> <td><b>16.318 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-123.12 kHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>18.91 MHz</td> <td></td> <td></td> </tr> </table>	Occupied Bandwidth	Total Power	22.1 dBm	<b>16.318 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-123.12 kHz	x dB	-26.00 dB	x dB Bandwidth			18.91 MHz		
Occupied Bandwidth	Total Power	22.1 dBm																	
<b>16.318 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-123.12 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
18.91 MHz																			
5280	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.28000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.28 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>22.1 dBm</td> </tr> <tr> <td><b>16.358 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-135.63 kHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>18.87 MHz</td> <td></td> <td></td> </tr> </table>	Occupied Bandwidth	Total Power	22.1 dBm	<b>16.358 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-135.63 kHz	x dB	-26.00 dB	x dB Bandwidth			18.87 MHz		
Occupied Bandwidth	Total Power	22.1 dBm																	
<b>16.358 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-135.63 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
18.87 MHz																			
5320	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.32000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.32 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>22.7 dBm</td> </tr> <tr> <td><b>16.465 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-139.65 kHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>18.95 MHz</td> <td></td> <td></td> </tr> </table>	Occupied Bandwidth	Total Power	22.7 dBm	<b>16.465 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-139.65 kHz	x dB	-26.00 dB	x dB Bandwidth			18.95 MHz		
Occupied Bandwidth	Total Power	22.7 dBm																	
<b>16.465 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-139.65 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
18.95 MHz																			



Mode 2: IEEE 802.11a Continuous TX mode _ANT-0	
5500	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.500000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.5 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth: 16.646 MHz Total Power: 22.8 dBm Transmit Freq Error: -27.841 kHz OBW Power: 99.00 % x dB Bandwidth: 18.99 MHz x dB: -26.00 dB</p> <p>Center Freq: 5.500000000 GHz CF Step: 3.000000 MHz Freq Offset: 0 Hz</p>
5560	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.560000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.56 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth: 16.432 MHz Total Power: 23.4 dBm Transmit Freq Error: -9.208 kHz OBW Power: 99.00 % x dB Bandwidth: 18.79 MHz x dB: -26.00 dB</p> <p>Center Freq: 5.560000000 GHz CF Step: 3.000000 MHz Freq Offset: 0 Hz</p>
5700	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.700000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.7 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth: 16.160 MHz Total Power: 23.7 dBm Transmit Freq Error: -127.92 kHz OBW Power: 99.00 % x dB Bandwidth: 18.63 MHz x dB: -26.00 dB</p> <p>Center Freq: 5.700000000 GHz CF Step: 3.000000 MHz Freq Offset: 0 Hz</p>



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0	
5260	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.260000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.26 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth: 17.431 MHz Total Power: 22.5 dBm Transmit Freq Error: -14.498 kHz x dB Bandwidth: 19.74 MHz OBW Power: 99.00 % x dB: -26.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>
5280	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.280000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.28 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth: 17.489 MHz Total Power: 22.1 dBm Transmit Freq Error: 1.499 kHz x dB Bandwidth: 19.59 MHz OBW Power: 99.00 % x dB: -26.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>
5320	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.320000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.32 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth: 17.633 MHz Total Power: 23.6 dBm Transmit Freq Error: -23.851 kHz x dB Bandwidth: 20.16 MHz OBW Power: 99.00 % x dB: -26.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>





Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0	
5500	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.500000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.5 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>17.859 MHz</b> Total Power 22.7 dBm Transmit Freq Error -107.56 kHz OBW Power 99.00 % x dB Bandwidth 20.74 MHz x dB -26.00 dB</p> <p>Center Freq 5.500000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
5560	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.560000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.56 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>17.519 MHz</b> Total Power 24.0 dBm Transmit Freq Error -212.00 kHz OBW Power 99.00 % x dB Bandwidth 19.65 MHz x dB -26.00 dB</p> <p>Center Freq 5.560000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
5700	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.700000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.7 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>17.282 MHz</b> Total Power 24.0 dBm Transmit Freq Error -24.741 kHz OBW Power 99.00 % x dB Bandwidth 19.49 MHz x dB -26.00 dB</p> <p>Center Freq 5.700000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0																			
5270	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.270000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.27 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>23.7 dBm</td></tr><tr><td><b>36.248 MHz</b></td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-226.99 kHz</td><td>x dB</td><td>-26.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>39.88 MHz</td><td></td><td></td></tr></table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	23.7 dBm	<b>36.248 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-226.99 kHz	x dB	-26.00 dB	x dB Bandwidth			39.88 MHz		
Occupied Bandwidth	Total Power	23.7 dBm																	
<b>36.248 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-226.99 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
39.88 MHz																			
5310	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.310000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.31 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>24.2 dBm</td></tr><tr><td><b>35.686 MHz</b></td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-427.67 kHz</td><td>x dB</td><td>-26.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>39.88 MHz</td><td></td><td></td></tr></table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	24.2 dBm	<b>35.686 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-427.67 kHz	x dB	-26.00 dB	x dB Bandwidth			39.88 MHz		
Occupied Bandwidth	Total Power	24.2 dBm																	
<b>35.686 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-427.67 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
39.88 MHz																			



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0	
5510	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.510000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.51 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>35.806 MHz</b> Total Power 24.8 dBm Transmit Freq Error 153.05 kHz OBW Power 99.00 % x dB Bandwidth 39.35 MHz x dB -26.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>
5550	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.550000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.55 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>35.765 MHz</b> Total Power 25.2 dBm Transmit Freq Error 304.26 kHz OBW Power 99.00 % x dB Bandwidth 39.52 MHz x dB -26.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>
5670	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.670000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.67 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>36.494 MHz</b> Total Power 24.7 dBm Transmit Freq Error -77.964 kHz OBW Power 99.00 % x dB Bandwidth 40.11 MHz x dB -26.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-0	
5290	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.290000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.29 GHz #Res BW 1 MHz #VBW 3 MHz Span 100 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>75.447 MHz</b></p> <p>Total Power 23.7 dBm</p> <p>Transmit Freq Error -370.59 kHz OBW Power 99.00 % x dB Bandwidth 82.54 MHz x dB -26.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>
5530	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.530000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.53 GHz #Res BW 1 MHz #VBW 3 MHz Span 100 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>75.501 MHz</b></p> <p>Total Power 24.7 dBm</p> <p>Transmit Freq Error 482.19 kHz OBW Power 99.00 % x dB Bandwidth 81.04 MHz x dB -26.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>



Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5260	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.26000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.26 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>16.377 MHz</b> Total Power 20.9 dBm Transmit Freq Error -156.94 kHz OBW Power 99.00 % x dB Bandwidth 18.86 MHz x dB -26.00 dB</p> <p>Center Freq 5.26000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
5280	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.28000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.28 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>16.351 MHz</b> Total Power 21.6 dBm Transmit Freq Error -146.23 kHz OBW Power 99.00 % x dB Bandwidth 18.58 MHz x dB -26.00 dB</p> <p>Center Freq 5.28000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
5320	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.32000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.32 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>16.328 MHz</b> Total Power 21.2 dBm Transmit Freq Error -154.01 kHz OBW Power 99.00 % x dB Bandwidth 18.40 MHz x dB -26.00 dB</p> <p>Center Freq 5.32000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>



Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5500	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.500000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.5 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>16.289 MHz</b> Total Power 21.6 dBm Transmit Freq Error 15.867 kHz x dB Bandwidth 18.48 MHz</p> <p>OBW Power 99.00 % x dB -26.00 dB</p> <p>Center Freq 5.500000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
5560	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.560000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.56 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>16.370 MHz</b> Total Power 22.9 dBm Transmit Freq Error -175 Hz x dB Bandwidth 18.82 MHz</p> <p>OBW Power 99.00 % x dB -26.00 dB</p> <p>Center Freq 5.560000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
5700	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.700000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.7 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>16.539 MHz</b> Total Power 21.8 dBm Transmit Freq Error -63.559 kHz x dB Bandwidth 19.12 MHz</p> <p>OBW Power 99.00 % x dB -26.00 dB</p> <p>Center Freq 5.700000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5260	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.260000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.26 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth: 17.548 MHz Total Power: 20.7 dBm Transmit Freq Error: -26.241 kHz OBW Power: 99.00 % x dB Bandwidth: 19.69 MHz x dB: -26.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>
5280	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.280000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.28 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth: 17.525 MHz Total Power: 21.5 dBm Transmit Freq Error: -28.894 kHz OBW Power: 99.00 % x dB Bandwidth: 19.60 MHz x dB: -26.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>
5320	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.320000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.32 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth: 17.438 MHz Total Power: 21.2 dBm Transmit Freq Error: -37.973 kHz OBW Power: 99.00 % x dB Bandwidth: 19.55 MHz x dB: -26.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5500	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.500000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.5 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>17.483 MHz</b></p> <p>Total Power 21.6 dBm</p> <p>Transmit Freq Error -128.69 kHz x dB Bandwidth 19.34 MHz</p> <p>OBW Power 99.00 % x dB -26.00 dB</p>
5560	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.560000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.56 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>17.577 MHz</b></p> <p>Total Power 22.6 dBm</p> <p>Transmit Freq Error -112.02 kHz x dB Bandwidth 19.94 MHz</p> <p>OBW Power 99.00 % x dB -26.00 dB</p>
5700	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.700000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.7 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>17.807 MHz</b></p> <p>Total Power 21.6 dBm</p> <p>Transmit Freq Error -107.75 kHz x dB Bandwidth 20.34 MHz</p> <p>OBW Power 99.00 % x dB -26.00 dB</p>

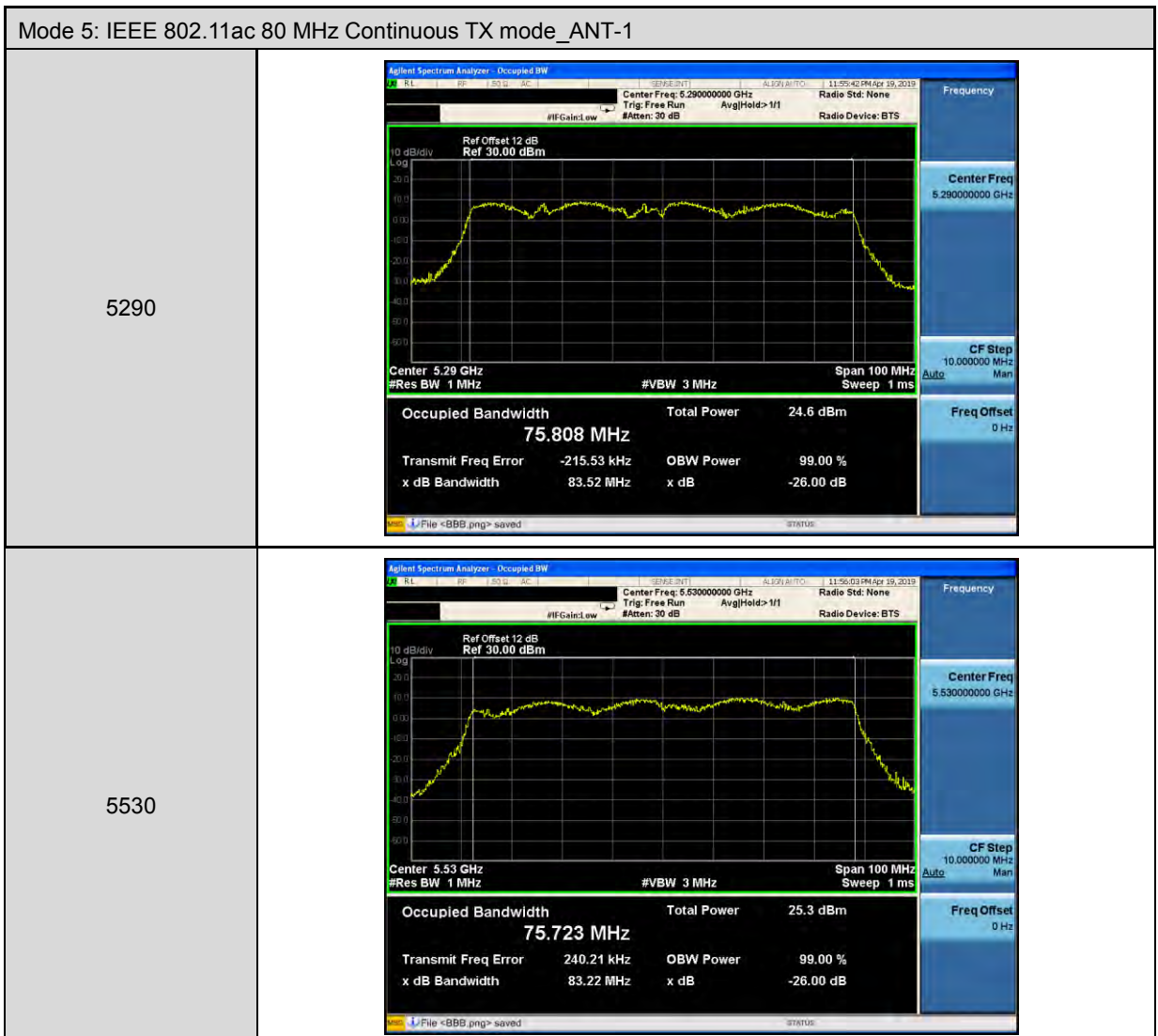




Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1	
5270	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.27000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.27 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <p>Occupied Bandwidth: 36.221 MHz Total Power: 25.1 dBm Transmit Freq Error: -240.43 kHz x dB Bandwidth: 40.03 MHz OBW Power: 99.00 % x dB: -26.00 dB</p>
5310	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.31000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.31 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <p>Occupied Bandwidth: 36.294 MHz Total Power: 25.4 dBm Transmit Freq Error: -224.42 kHz x dB Bandwidth: 40.13 MHz OBW Power: 99.00 % x dB: -26.00 dB</p>



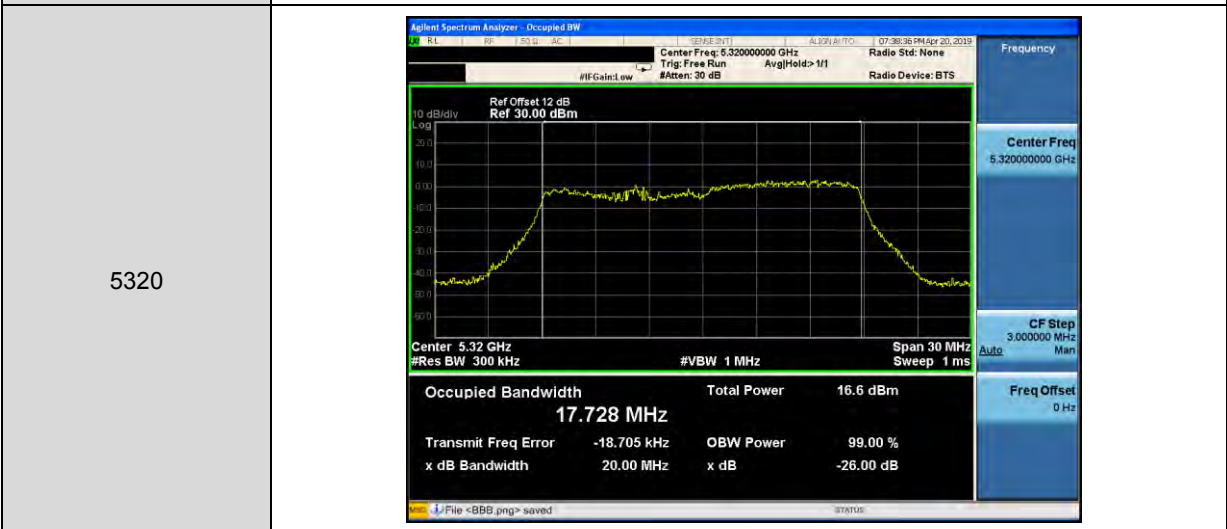
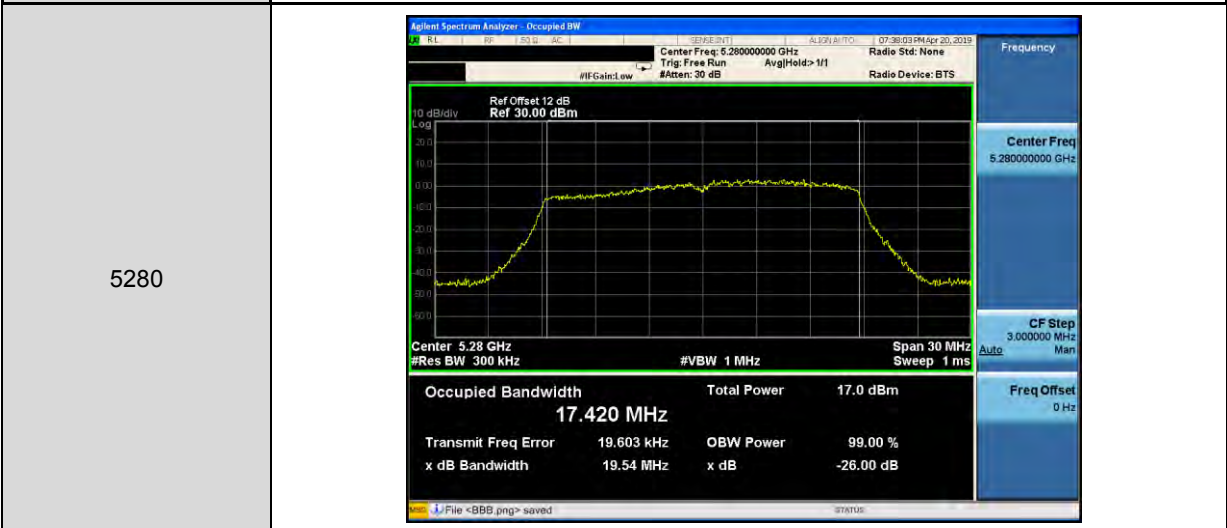
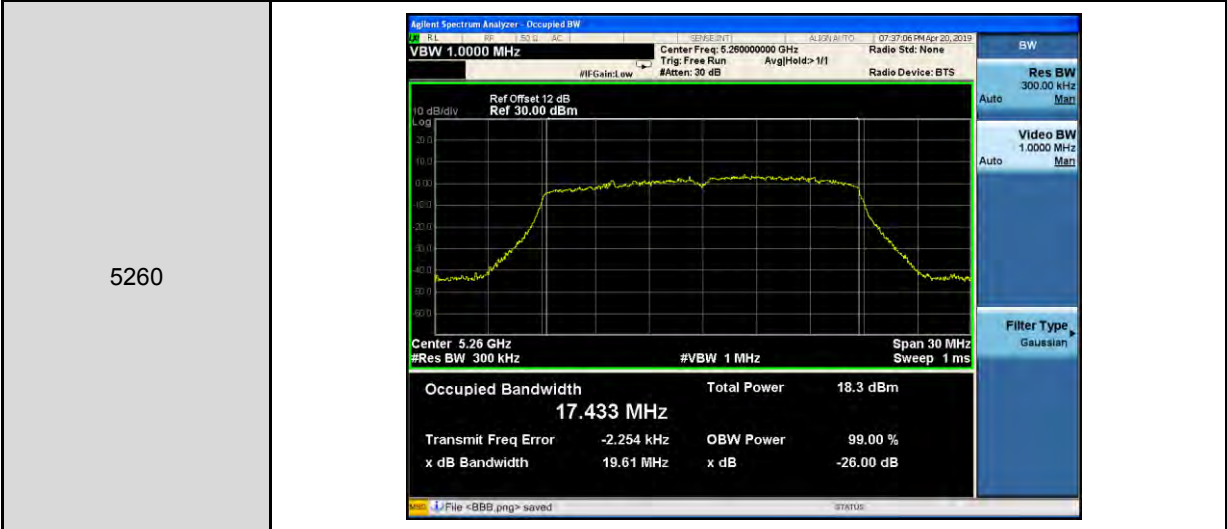
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1	
5510	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.510000000 GHz        Trig: Free Run        #Atten: 30 dB        Avg/Hold: 1/1        Radio Std: None        Radio Device: BTS</p> <p>Ref Offset 12 dB        Ref 30.00 dBm</p> <p>Center 5.51 GHz        #Res BW 1 MHz        #VBW 3 MHz        Span 50 MHz        Sweep 1 ms</p> <p>Occupied Bandwidth <b>36.124 MHz</b>        Total Power 25.2 dBm        Transmit Freq Error 97.052 kHz        x dB Bandwidth 40.09 MHz        OBW Power 99.00 %        x dB -26.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>
5550	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.550000000 GHz        Trig: Free Run        #Atten: 30 dB        Avg/Hold: 1/1        Radio Std: None        Radio Device: BTS</p> <p>Ref Offset 12 dB        Ref 30.00 dBm</p> <p>Center 5.55 GHz        #Res BW 1 MHz        #VBW 3 MHz        Span 50 MHz        Sweep 1 ms</p> <p>Occupied Bandwidth <b>36.079 MHz</b>        Total Power 26.2 dBm        Transmit Freq Error 164.32 kHz        x dB Bandwidth 40.00 MHz        OBW Power 99.00 %        x dB -26.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>
5670	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.670000000 GHz        Trig: Free Run        #Atten: 30 dB        Avg/Hold: 1/1        Radio Std: None        Radio Device: BTS</p> <p>Ref Offset 12 dB        Ref 30.00 dBm</p> <p>Center 5.67 GHz        #Res BW 1 MHz        #VBW 3 MHz        Span 50 MHz        Sweep 1 ms</p> <p>Occupied Bandwidth <b>35.707 MHz</b>        Total Power 26.3 dBm        Transmit Freq Error 32.134 kHz        x dB Bandwidth 39.46 MHz        OBW Power 99.00 %        x dB -26.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>





Beamforming on

Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode\_ANT-0





Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0	
5500	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.500000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.5 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>17.839 MHz</b></p> <p>Total Power 16.7 dBm</p> <p>Transmit Freq Error -117.06 kHz OBW Power 99.00 % x dB Bandwidth 20.24 MHz x dB -26.00 dB</p> <p>Center Freq 5.500000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
5560	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.560000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.56 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>17.561 MHz</b></p> <p>Total Power 17.8 dBm</p> <p>Transmit Freq Error -205.86 kHz OBW Power 99.00 % x dB Bandwidth 19.54 MHz x dB -26.00 dB</p> <p>Center Freq 5.560000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
5700	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.700000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.7 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>17.196 MHz</b></p> <p>Total Power 18.0 dBm</p> <p>Transmit Freq Error -33.261 kHz OBW Power 99.00 % x dB Bandwidth 19.27 MHz x dB -26.00 dB</p> <p>Center Freq 5.700000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0																			
5270	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.27000000 GHz Trig: Free Run #Atten: 30 dB Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.27 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>21.2 dBm</td></tr><tr><td><b>36.049 MHz</b></td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-245.46 kHz</td><td>x dB</td><td>-26.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>40.05 MHz</td><td></td><td></td></tr></table>	Occupied Bandwidth	Total Power	21.2 dBm	<b>36.049 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-245.46 kHz	x dB	-26.00 dB	x dB Bandwidth			40.05 MHz		
Occupied Bandwidth	Total Power	21.2 dBm																	
<b>36.049 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-245.46 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
40.05 MHz																			
5310	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.31000000 GHz Trig: Free Run #Atten: 30 dB Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.31 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>21.6 dBm</td></tr><tr><td><b>35.769 MHz</b></td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-424.13 kHz</td><td>x dB</td><td>-26.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>39.67 MHz</td><td></td><td></td></tr></table>	Occupied Bandwidth	Total Power	21.6 dBm	<b>35.769 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-424.13 kHz	x dB	-26.00 dB	x dB Bandwidth			39.67 MHz		
Occupied Bandwidth	Total Power	21.6 dBm																	
<b>35.769 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-424.13 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
39.67 MHz																			



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0	
5510	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.510000000 GHz</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.51 GHz #Res BW 1 MHz</p> <p>Occupied Bandwidth <b>35.785 MHz</b></p> <p>Total Power 20.7 dBm</p> <p>Transmit Freq Error 224.67 kHz</p> <p>x dB Bandwidth 39.12 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>
5550	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.550000000 GHz</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.55 GHz #Res BW 1 MHz</p> <p>Occupied Bandwidth <b>35.782 MHz</b></p> <p>Total Power 21.1 dBm</p> <p>Transmit Freq Error 352.35 kHz</p> <p>x dB Bandwidth 39.11 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>
5670	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.670000000 GHz</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.67 GHz #Res BW 1 MHz</p> <p>Occupied Bandwidth <b>36.528 MHz</b></p> <p>Total Power 20.7 dBm</p> <p>Transmit Freq Error -136.18 kHz</p> <p>x dB Bandwidth 40.16 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>







Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5260	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.26000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.26 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>17.592 MHz</b> Total Power 18.4 dBm Transmit Freq Error -35.296 kHz OBW Power 99.00 % x dB Bandwidth 19.99 MHz x dB -26.00 dB</p> <p>Center Freq 5.26000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
5280	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.28000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.28 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>17.589 MHz</b> Total Power 17.6 dBm Transmit Freq Error -33.061 kHz OBW Power 99.00 % x dB Bandwidth 19.71 MHz x dB -26.00 dB</p> <p>Center Freq 5.28000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
5320	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.32000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.32 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>17.459 MHz</b> Total Power 18.2 dBm Transmit Freq Error -27.322 kHz OBW Power 99.00 % x dB Bandwidth 19.66 MHz x dB -26.00 dB</p> <p>Center Freq 5.32000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5500	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.500000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.5 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>17.426 MHz</b></p> <p>Total Power 17.6 dBm</p> <p>Transmit Freq Error -115.81 kHz x dB Bandwidth 19.52 MHz</p> <p>OBW Power 99.00 % x dB -26.00 dB</p> <p>Center Freq 5.500000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
5560	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.560000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.56 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>17.527 MHz</b></p> <p>Total Power 17.4 dBm</p> <p>Transmit Freq Error -111.24 kHz x dB Bandwidth 19.79 MHz</p> <p>OBW Power 99.00 % x dB -26.00 dB</p> <p>Center Freq 5.560000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
5700	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.700000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.7 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth <b>17.750 MHz</b></p> <p>Total Power 16.3 dBm</p> <p>Transmit Freq Error -106.40 kHz x dB Bandwidth 20.34 MHz</p> <p>OBW Power 99.00 % x dB -26.00 dB</p> <p>Center Freq 5.700000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1																			
5270	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.27000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.27 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>21.9 dBm</td></tr><tr><td><b>36.105 MHz</b></td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-260.39 kHz</td><td>x dB</td><td>-26.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>40.01 MHz</td><td></td><td></td></tr></table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	21.9 dBm	<b>36.105 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-260.39 kHz	x dB	-26.00 dB	x dB Bandwidth			40.01 MHz		
Occupied Bandwidth	Total Power	21.9 dBm																	
<b>36.105 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-260.39 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
40.01 MHz																			
5310	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.31000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.31 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>20.7 dBm</td></tr><tr><td><b>36.242 MHz</b></td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-205.24 kHz</td><td>x dB</td><td>-26.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>39.86 MHz</td><td></td><td></td></tr></table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	20.7 dBm	<b>36.242 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-205.24 kHz	x dB	-26.00 dB	x dB Bandwidth			39.86 MHz		
Occupied Bandwidth	Total Power	20.7 dBm																	
<b>36.242 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-205.24 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
39.86 MHz																			



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1																			
5510	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.510000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.51 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>20.5 dBm</td></tr><tr><td><b>36.219 MHz</b></td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>99.537 kHz</td><td>x dB</td><td>-26.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>39.88 MHz</td><td></td><td></td></tr></table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	20.5 dBm	<b>36.219 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	99.537 kHz	x dB	-26.00 dB	x dB Bandwidth			39.88 MHz		
Occupied Bandwidth	Total Power	20.5 dBm																	
<b>36.219 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
99.537 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
39.88 MHz																			
5550	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.550000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.55 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>21.2 dBm</td></tr><tr><td><b>36.127 MHz</b></td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>132.02 kHz</td><td>x dB</td><td>-26.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>40.03 MHz</td><td></td><td></td></tr></table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	21.2 dBm	<b>36.127 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	132.02 kHz	x dB	-26.00 dB	x dB Bandwidth			40.03 MHz		
Occupied Bandwidth	Total Power	21.2 dBm																	
<b>36.127 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
132.02 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
40.03 MHz																			
5670	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.670000000 GHz Trig: Free Run #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.67 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>21.3 dBm</td></tr><tr><td><b>35.753 MHz</b></td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>45.131 kHz</td><td>x dB</td><td>-26.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>39.46 MHz</td><td></td><td></td></tr></table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	21.3 dBm	<b>35.753 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	45.131 kHz	x dB	-26.00 dB	x dB Bandwidth			39.46 MHz		
Occupied Bandwidth	Total Power	21.3 dBm																	
<b>35.753 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
45.131 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
39.46 MHz																			



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-1																			
5290	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.290000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.29 GHz #Res BW 1 MHz #VBW 3 MHz Span 100 MHz Sweep 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>22.8 dBm</td></tr><tr><td><b>75.718 MHz</b></td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-183.32 kHz</td><td>x dB</td><td>-26.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>83.37 MHz</td><td></td><td></td></tr></table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	22.8 dBm	<b>75.718 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-183.32 kHz	x dB	-26.00 dB	x dB Bandwidth			83.37 MHz		
Occupied Bandwidth	Total Power	22.8 dBm																	
<b>75.718 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-183.32 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
83.37 MHz																			
5530	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.530000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.53 GHz #Res BW 1 MHz #VBW 3 MHz Span 100 MHz Sweep 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>23.0 dBm</td></tr><tr><td><b>75.773 MHz</b></td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>290.04 kHz</td><td>x dB</td><td>-26.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>83.55 MHz</td><td></td><td></td></tr></table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	23.0 dBm	<b>75.773 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	290.04 kHz	x dB	-26.00 dB	x dB Bandwidth			83.55 MHz		
Occupied Bandwidth	Total Power	23.0 dBm																	
<b>75.773 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
290.04 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
83.55 MHz																			



### 5.5. Maximum Power Spectral Density Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5260.0	5.639	0.105	5.744	≤ 9.28
5280.0	5.962	0.105	6.067	
5320.0	6.090	0.105	6.195	
5500.0	5.667	0.105	5.772	≤ 8.90
5560.0	5.322	0.105	5.427	
5700.0	6.116	0.105	6.221	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5260.0	5.806	0.105	5.911	≤ 9.28
5280.0	5.976	0.105	6.081	
5320.0	5.985	0.105	6.090	
5500.0	4.938	0.105	5.043	≤ 8.90
5560.0	5.171	0.105	5.276	
5700.0	5.169	0.105	5.274	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5260.0	8.838			≤ 9.28
5280.0	9.084			
5320.0	9.153			
5500.0	8.433			≤ 8.90
5560.0	8.362			
5700.0	8.783			

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



Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5260.0	5.791	0.039	5.830	≤ 9.28
5280.0	6.053	0.039	6.092	
5320.0	6.052	0.039	6.091	
5500.0	5.620	0.039	5.659	≤ 8.90
5560.0	5.663	0.039	5.702	
5700.0	5.528	0.039	5.567	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5260.0	5.814	0.039	5.853	≤ 9.28
5280.0	6.160	0.039	6.199	
5320.0	6.058	0.039	6.097	
5500.0	5.689	0.039	5.728	≤ 8.90
5560.0	5.702	0.039	5.741	
5700.0	5.862	0.039	5.901	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5260.0	8.852			≤ 9.28
5280.0	9.156			
5320.0	9.104			
5500.0	8.704			≤ 8.90
5560.0	8.732			
5700.0	8.747			

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



Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5270.0	5.900	0.106	6.006	≤ 9.28
5310.0	3.958	0.106	4.064	
5510.0	5.150	0.106	5.256	≤ 8.90
5550.0	5.549	0.106	5.655	
5670.0	5.176	0.106	5.282	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5270.0	5.878	0.106	5.984	≤ 9.28
5310.0	3.851	0.106	3.957	
5510.0	3.635	0.106	3.741	≤ 8.90
5550.0	5.495	0.106	5.601	
5670.0	5.526	0.106	5.632	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5270.0	9.005			≤ 9.28
5310.0	7.021			
5510.0	7.574			≤ 8.90
5550.0	8.638			
5670.0	8.471			

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





Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5290.0	0.823	0.272	1.063	≤ 9.28
5530.0	1.656	0.272	1.896	≤ 8.90
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5290.0	0.733	0.272	0.973	≤ 9.28
5530.0	0.817	0.272	1.057	≤ 8.90
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5290.0	4.028			≤ 9.28
5530.0	4.507			≤ 8.90

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



Beamforming on

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5260.0	2.897	0.039	2.936	≤ 9.28
5280.0	2.860	0.039	2.899	
5320.0	2.948	0.039	2.987	
5500.0	2.566	0.039	2.605	≤ 8.90
5560.0	3.839	0.039	3.878	
5700.0	3.053	0.039	3.092	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5260.0	2.570	0.039	2.609	≤ 9.28
5280.0	2.471	0.039	2.510	
5320.0	3.219	0.039	3.258	
5500.0	2.685	0.039	2.724	≤ 8.90
5560.0	1.869	0.039	1.908	
5700.0	1.264	0.039	1.303	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5260.0	5.786			≤ 9.28
5280.0	5.719			
5320.0	6.135			
5500.0	5.675			≤ 8.90
5560.0	6.014			
5700.0	5.299			

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



Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5270.0	2.654	0.106	2.760	≤ 9.28
5310.0	-0.078	0.106	0.028	
5510.0	-0.172	0.106	-0.066	≤ 8.90
5550.0	2.355	0.106	2.461	
5670.0	1.925	0.106	2.031	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5270.0	2.110	0.106	2.216	≤ 9.28
5310.0	-0.119	0.106	-0.013	
5510.0	-0.947	0.106	-0.841	≤ 8.90
5550.0	1.847	0.106	1.953	
5670.0	1.312	0.106	1.418	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5270.0	5.507			≤ 9.28
5310.0	3.018			
5510.0	2.574			≤ 8.90
5550.0	5.225			
5670.0	4.746			

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



Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5290.0	-3.421	0.240	-3.181	≤ 9.28
5530.0	-2.929	0.240	-2.689	≤ 8.90
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5290.0	-4.061	0.240	-3.821	≤ 9.28
5530.0	-3.635	0.240	-3.395	≤ 8.90
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5290.0	-0.479			≤ 9.28
5530.0	-0.018			≤ 8.90

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



■ Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ANT-0	
5260	
5280	
5320	



Mode 2: IEEE 802.11a Continuous TX mode _ANT-0	
5500	
5560	
5700	

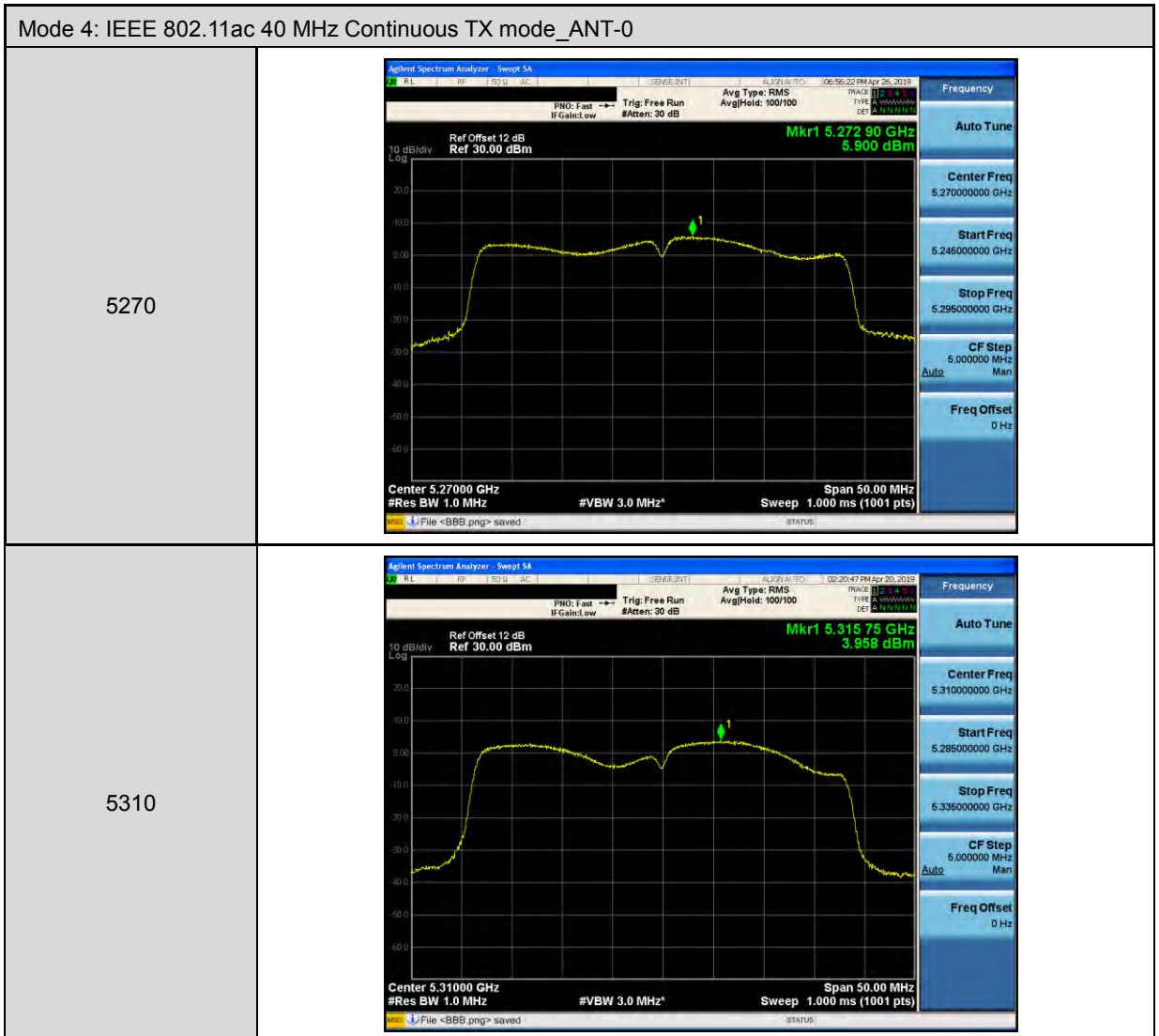


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0	
5260	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB Avg Type: RMS AvgHold: 100/100 Ref Offset 12 dB Ref 30.00 dBm Mkr1 5.262 07 GHz 5.791 dBm Center 5.26000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5280	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB Avg Type: RMS AvgHold: 100/100 Ref Offset 12 dB Ref 30.00 dBm Mkr1 5.282 76 GHz 6.053 dBm Center 5.28000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5320	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB Avg Type: RMS AvgHold: 100/100 Ref Offset 12 dB Ref 30.00 dBm Mkr1 5.325 91 GHz 6.052 dBm Center 5.32000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p>



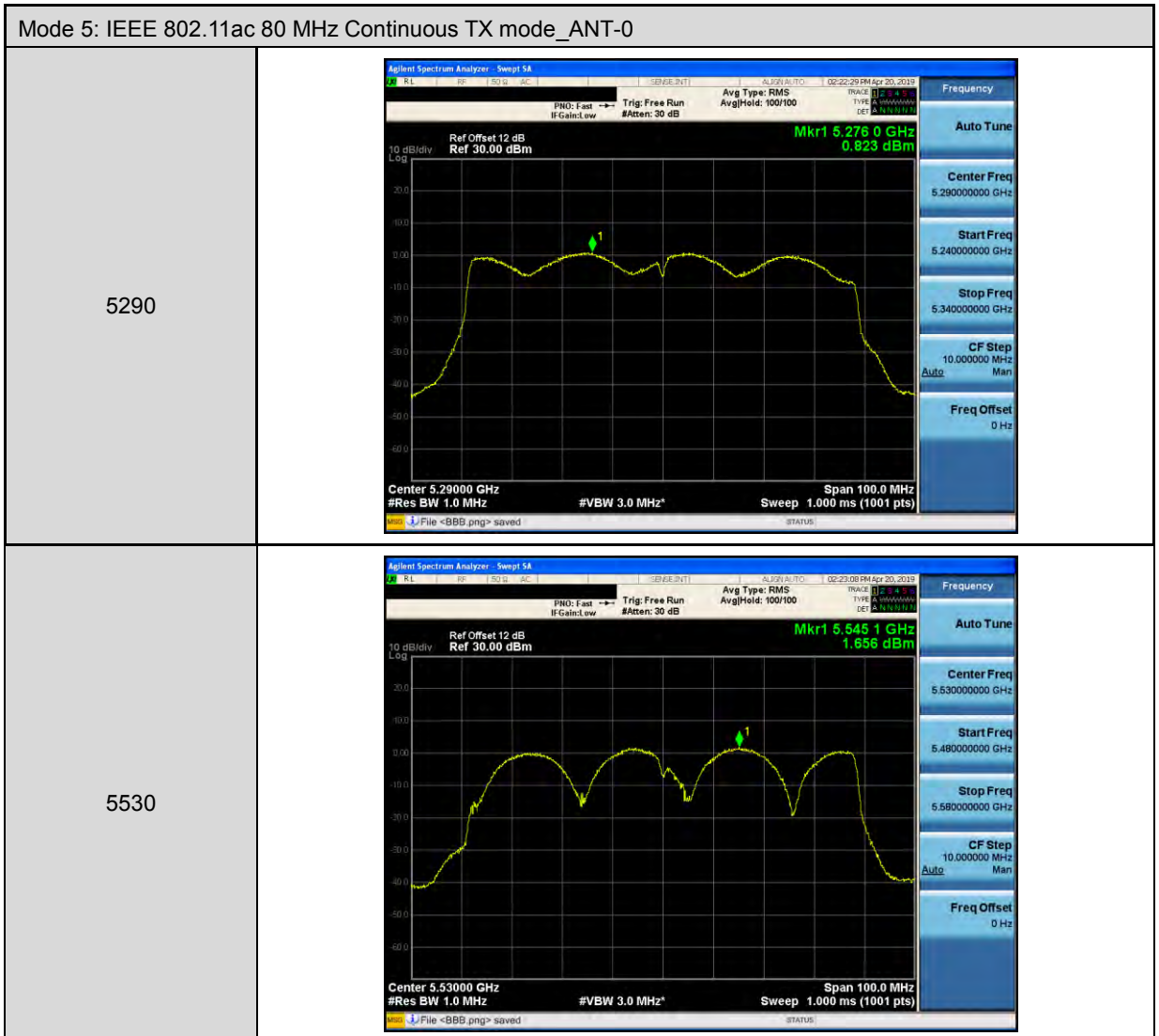
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0	
5500	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS #Atten: 30 dB Avg Hold: 100/100 Mkr1 5.492 80 GHz 5.620 dBm Ref Offset 12 dB Ref 30.00 dBm 10 dB/div Log Center 5.50000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5560	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS #Atten: 30 dB Avg Hold: 100/100 Mkr1 5.554 87 GHz 5.663 dBm Ref Offset 12 dB Ref 30.00 dBm 10 dB/div Log Center 5.56000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5700	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS #Atten: 30 dB Avg Hold: 100/100 Mkr1 5.701 77 GHz 5.528 dBm Ref Offset 12 dB Ref 30.00 dBm 10 dB/div Log Center 5.70000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p>







Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0	
5510	
5550	
5670	





Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5260	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12 dB Ref 30.00 dBm Mkr1 5.261 23 GHz 5.806 dBm Center 5.26000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5280	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12 dB Ref 30.00 dBm Mkr1 5.281 20 GHz 5.976 dBm Center 5.28000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5320	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12 dB Ref 30.00 dBm Mkr1 5.315 74 GHz 5.985 dBm Center 5.32000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p>



Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5500	
5560	
5700	



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5260	<p>Agilent Spectrum Analyzer: Swpt SA Ref Offset 12 dB Ref 30.00 dBm Mkr1 5.262 01 GHz 5.814 dBm Center 5.26000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts)</p>
5280	<p>Agilent Spectrum Analyzer: Swpt SA Ref Offset 12 dB Ref 30.00 dBm Mkr1 5.281 62 GHz 6.180 dBm Center 5.28000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts)</p>
5320	<p>Agilent Spectrum Analyzer: Swpt SA Ref Offset 12 dB Ref 30.00 dBm Mkr1 5.324 35 GHz 6.058 dBm Center 5.32000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts)</p>



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5500	
5560	
5700	





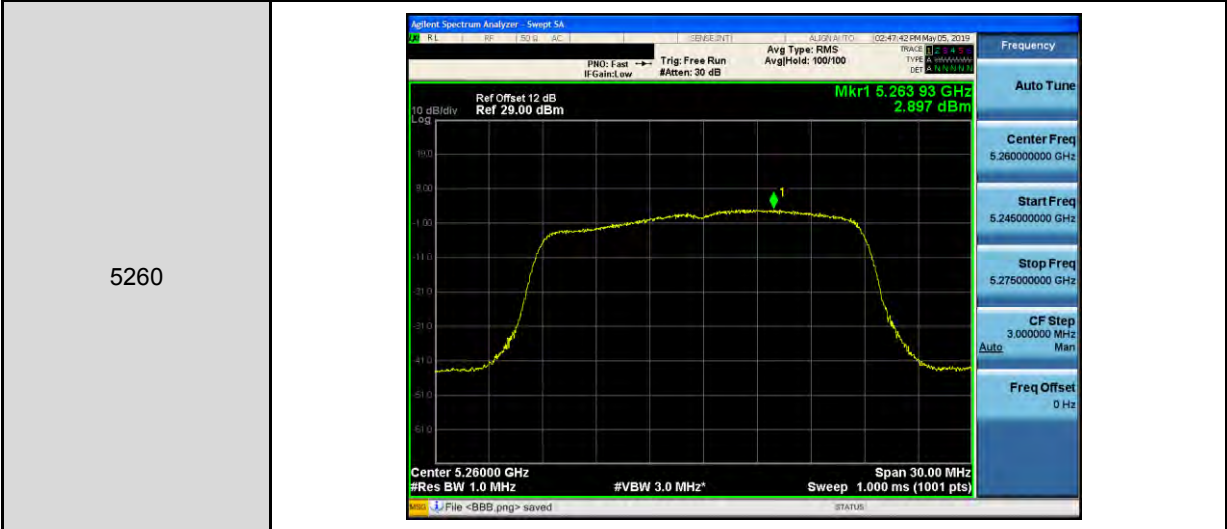


Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1	
5510	<p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS #Atten: 30 dB AvgHold: 100/100 Ref Offset 12 dB Ref 30.00 dBm Mkr1 5.507 60 GHz 3.635 dBm Center 5.510000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 50.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5550	<p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS #Atten: 30 dB AvgHold: 100/100 Ref Offset 12 dB Ref 30.00 dBm Mkr1 5.544 45 GHz 5.495 dBm Center 5.550000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 50.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5670	<p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS #Atten: 30 dB AvgHold: 100/100 Ref Offset 12 dB Ref 30.00 dBm Mkr1 5.671 40 GHz 5.526 dBm Center 5.670000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 50.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p>



Beamforming on

Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode\_ANT-0





Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0	
5500	
5560	
5700	





Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0									
5510	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12 dB Ref 29.00 dBm Mkr1 5.52370 GHz -0.172 dBm Center 5.51000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Span 50.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p> <table border="1"><tr><td>Frequency</td></tr><tr><td>Auto Tune</td></tr><tr><td>Center Freq 5.51000000 GHz</td></tr><tr><td>Start Freq 5.48500000 GHz</td></tr><tr><td>Stop Freq 5.53500000 GHz</td></tr><tr><td>CF Step 5.00000 MHz</td></tr><tr><td>Auto Man</td></tr><tr><td>Freq Offset 0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq 5.51000000 GHz	Start Freq 5.48500000 GHz	Stop Freq 5.53500000 GHz	CF Step 5.00000 MHz	Auto Man	Freq Offset 0 Hz
Frequency									
Auto Tune									
Center Freq 5.51000000 GHz									
Start Freq 5.48500000 GHz									
Stop Freq 5.53500000 GHz									
CF Step 5.00000 MHz									
Auto Man									
Freq Offset 0 Hz									
5550	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12 dB Ref 29.00 dBm Mkr1 5.54395 GHz 2.355 dBm Center 5.55000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Span 50.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p> <table border="1"><tr><td>Frequency</td></tr><tr><td>Auto Tune</td></tr><tr><td>Center Freq 5.55000000 GHz</td></tr><tr><td>Start Freq 5.52500000 GHz</td></tr><tr><td>Stop Freq 5.57500000 GHz</td></tr><tr><td>CF Step 5.00000 MHz</td></tr><tr><td>Auto Man</td></tr><tr><td>Freq Offset 0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq 5.55000000 GHz	Start Freq 5.52500000 GHz	Stop Freq 5.57500000 GHz	CF Step 5.00000 MHz	Auto Man	Freq Offset 0 Hz
Frequency									
Auto Tune									
Center Freq 5.55000000 GHz									
Start Freq 5.52500000 GHz									
Stop Freq 5.57500000 GHz									
CF Step 5.00000 MHz									
Auto Man									
Freq Offset 0 Hz									
5670	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 12 dB Ref 29.00 dBm Mkr1 5.66720 GHz 1.925 dBm Center 5.67000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Span 50.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p> <table border="1"><tr><td>Frequency</td></tr><tr><td>Auto Tune</td></tr><tr><td>Center Freq 5.67000000 GHz</td></tr><tr><td>Start Freq 5.64500000 GHz</td></tr><tr><td>Stop Freq 5.69500000 GHz</td></tr><tr><td>CF Step 5.00000 MHz</td></tr><tr><td>Auto Man</td></tr><tr><td>Freq Offset 0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq 5.67000000 GHz	Start Freq 5.64500000 GHz	Stop Freq 5.69500000 GHz	CF Step 5.00000 MHz	Auto Man	Freq Offset 0 Hz
Frequency									
Auto Tune									
Center Freq 5.67000000 GHz									
Start Freq 5.64500000 GHz									
Stop Freq 5.69500000 GHz									
CF Step 5.00000 MHz									
Auto Man									
Freq Offset 0 Hz									





Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5260	<p>Agilent Spectrum Analyzer - Sweep 5A Ref Offset 12 dB Ref 29.00 dBm Mkr1 5.263 87 GHz 2.570 dBm Center 5.26000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts)</p>
5280	<p>Agilent Spectrum Analyzer - Sweep 5A Marker 1 5.282760000000 GHz Ref Offset 12 dB Ref 29.00 dBm Mkr1 5.282 76 GHz 2.471 dBm Center 5.28000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts)</p>
5320	<p>Agilent Spectrum Analyzer - Sweep 5A Ref Offset 12 dB Ref 29.00 dBm Mkr1 5.322 31 GHz 3.219 dBm Center 5.32000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts)</p>





Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5500	 <p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS #Atten: 30 dB Avg Hold: 100/100 Ref Offset 12 dB Ref 29.00 dBm Mkr1 5.496 55 GHz 2.685 dBm Center 5.50000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5560	 <p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS #Atten: 30 dB Avg Hold: 100/100 Ref Offset 12 dB Ref 29.00 dBm Mkr1 5.556 10 GHz 1.869 dBm Center 5.56000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p>
5700	 <p>Agilent Spectrum Analyzer: Sweep 5A PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS #Atten: 30 dB Avg Hold: 100/100 Ref Offset 12 dB Ref 29.00 dBm Mkr1 5.693 16 GHz 1.264 dBm Center 5.70000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 30.00 MHz Sweep 1.000 ms (1001 pts) File &lt;BBB.png&gt; saved</p>





Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1	
5510	<p>Agilent Spectrum Analyzer: Swpt 5A Ref Offset 12 dB Ref 29.00 dBm Mkr1 5.50685 GHz -0.947 dBm Center 5.51000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 50.00 MHz Sweep 1.000 ms (1001 pts)</p>
5550	<p>Agilent Spectrum Analyzer: Swpt 5A Ref Offset 12 dB Ref 29.00 dBm Mkr1 5.54655 GHz 1.847 dBm Center 5.55000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 50.00 MHz Sweep 1.000 ms (1001 pts)</p>
5670	<p>Agilent Spectrum Analyzer: Swpt 5A Ref Offset 12 dB Ref 29.00 dBm Mkr1 5.66320 GHz 1.312 dBm Center 5.67000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 50.00 MHz Sweep 1.000 ms (1001 pts)</p>

