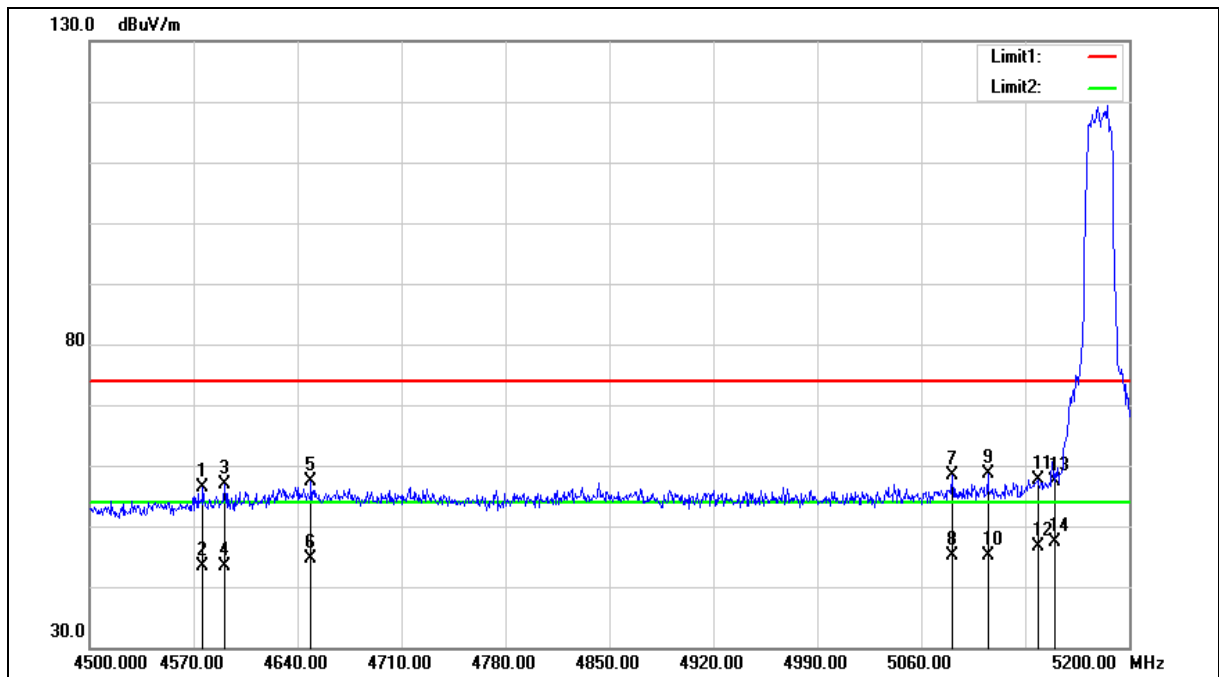




Band Edge

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	DC 48 V
Frequency:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	DC 48 V
Frequency:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4576.300	51.61	4.86	56.47	74.00	-17.53	peak
2	4576.300	38.56	4.86	43.42	54.00	-10.58	AVG
3	4591.000	51.92	4.89	56.81	74.00	-17.19	peak
4	4591.000	38.39	4.89	43.28	54.00	-10.72	AVG
5	4649.100	52.30	5.02	57.32	74.00	-16.68	peak
6	4649.100	39.54	5.02	44.56	54.00	-9.44	AVG
7	5081.000	52.51	5.91	58.42	74.00	-15.58	peak
8	5081.000	39.12	5.91	45.03	54.00	-8.97	AVG
9	5104.800	52.73	5.97	58.70	74.00	-15.30	peak
10	5104.800	39.07	5.97	45.04	54.00	-8.96	AVG
11	5138.400	51.61	6.05	57.66	74.00	-16.34	peak
12	5138.400	40.47	6.05	46.52	54.00	-7.48	AVG
13	5150.000	51.43	6.07	57.50	74.00	-16.50	peak
14	5150.000	41.21	6.07	47.28	54.00	-6.72	AVG

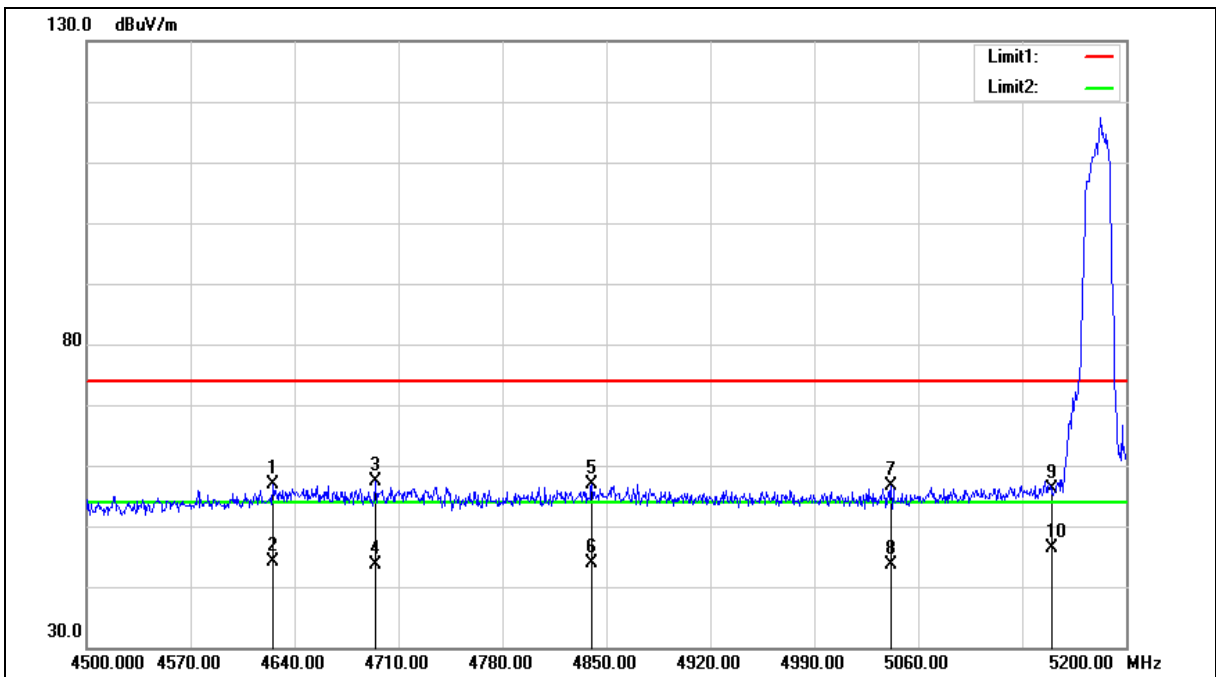
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	DC 48 V
Frequency:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4625.300	51.82	4.96	56.78	74.00	-17.22	peak
2	4625.300	39.08	4.96	44.04	54.00	-9.96	AVG
3	4694.600	52.36	5.10	57.46	74.00	-16.54	peak
4	4694.600	38.48	5.10	43.58	54.00	-10.42	AVG
5	4840.200	51.43	5.41	56.84	74.00	-17.16	peak
6	4840.200	38.45	5.41	43.86	54.00	-10.14	AVG
7	5041.800	50.72	5.83	56.55	74.00	-17.45	peak
8	5041.800	37.84	5.83	43.67	54.00	-10.33	AVG
9	5150.000	50.07	6.07	56.14	74.00	-17.86	peak
10	5150.000	40.19	6.07	46.26	54.00	-7.74	AVG

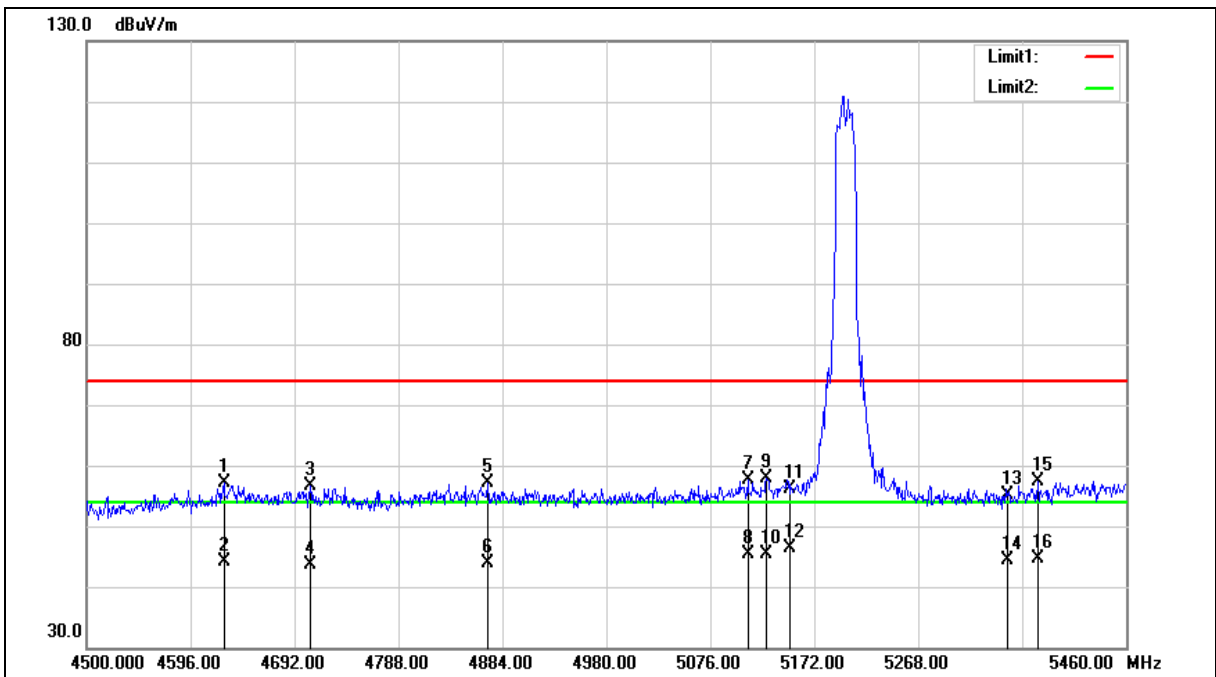
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	DC 48 V
Frequency:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4626.720	52.13	4.96	57.09	74.00	-16.91	peak
2	4626.720	39.10	4.96	44.06	54.00	-9.94	AVG
3	4706.400	51.50	5.13	56.63	74.00	-17.37	peak
4	4706.400	38.58	5.13	43.71	54.00	-10.29	AVG
5	4870.560	51.77	5.46	57.23	74.00	-16.77	peak
6	4870.560	38.46	5.46	43.92	54.00	-10.08	AVG
7	5110.560	51.67	5.98	57.65	74.00	-16.35	peak
8	5110.560	39.48	5.98	45.46	54.00	-8.54	AVG
9	5127.840	51.87	6.02	57.89	74.00	-16.11	peak
10	5127.840	39.40	6.02	45.42	54.00	-8.58	AVG
11	5150.000	50.18	6.07	56.25	74.00	-17.75	peak
12	5150.000	40.21	6.07	46.28	54.00	-7.72	AVG
13	5350.000	48.62	6.52	55.14	74.00	-18.86	peak
14	5350.000	37.95	6.52	44.47	54.00	-9.53	AVG
15	5378.400	50.89	6.58	57.47	74.00	-16.53	peak
16	5378.400	38.16	6.58	44.74	54.00	-9.26	AVG

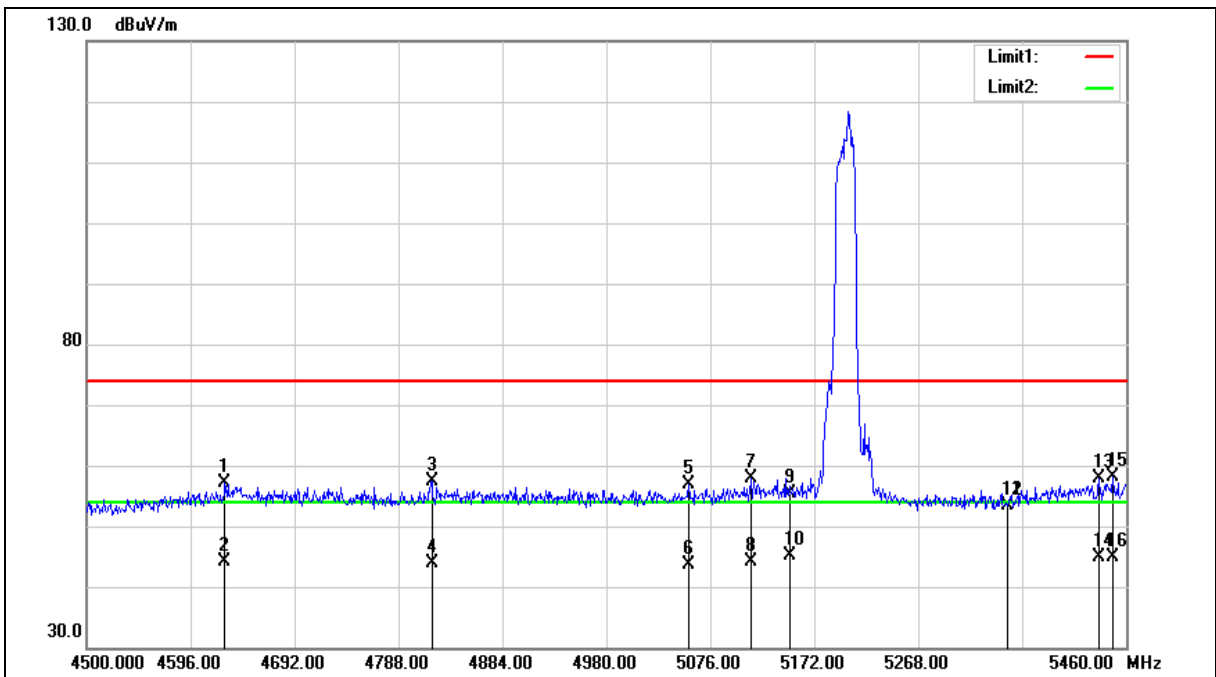
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	DC 48 V
Frequency:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4627.680	52.12	4.97	57.09	74.00	-16.91	peak
2	4627.680	39.10	4.97	44.07	54.00	-9.93	AVG
3	4818.720	52.14	5.36	57.50	74.00	-16.50	peak
4	4818.720	38.44	5.36	43.80	54.00	-10.20	AVG
5	5055.840	51.14	5.85	56.99	74.00	-17.01	peak
6	5055.840	37.84	5.85	43.69	54.00	-10.31	AVG
7	5113.440	51.84	5.99	57.83	74.00	-16.17	peak
8	5113.440	38.24	5.99	44.23	54.00	-9.77	AVG
9	5150.000	49.43	6.07	55.50	74.00	-18.50	peak
10	5150.000	39.13	6.07	45.20	54.00	-8.80	AVG
11	5350.000	46.81	6.52	53.33	74.00	-20.67	peak
12	5350.000	46.81	6.52	53.33	54.00	-0.67	AVG
13	5435.040	51.23	6.71	57.94	74.00	-16.06	peak
14	5435.040	38.11	6.71	44.82	54.00	-9.18	AVG
15	5447.520	51.38	6.75	58.13	74.00	-15.87	peak
16	5447.520	38.21	6.75	44.96	54.00	-9.04	AVG

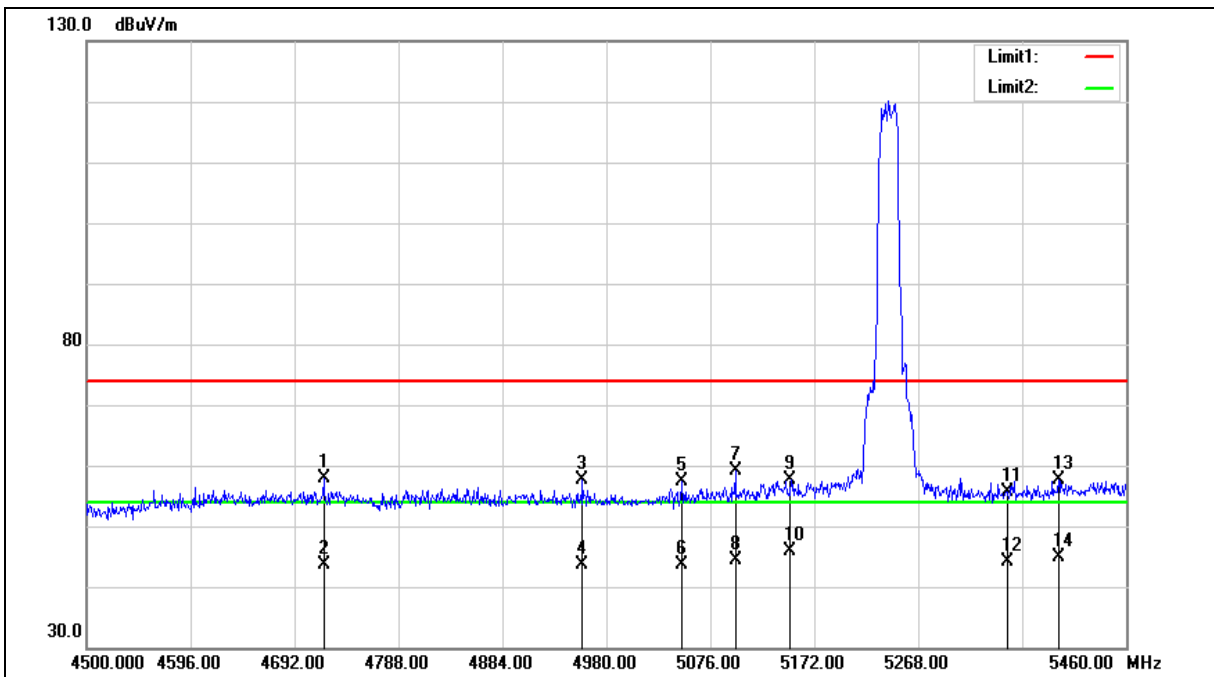
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	DC 48 V
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4718.880	52.71	5.16	57.87	74.00	-16.13	peak
2	4718.880	38.45	5.16	43.61	54.00	-10.39	AVG
3	4957.920	51.96	5.64	57.60	74.00	-16.40	peak
4	4957.920	37.98	5.64	43.62	54.00	-10.38	AVG
5	5050.080	51.53	5.84	57.37	74.00	-16.63	peak
6	5050.080	37.73	5.84	43.57	54.00	-10.43	AVG
7	5099.040	53.08	5.96	59.04	74.00	-14.96	peak
8	5099.040	38.47	5.96	44.43	54.00	-9.57	AVG
9	5150.000	51.54	6.07	57.61	74.00	-16.39	peak
10	5150.000	39.78	6.07	45.85	54.00	-8.15	AVG
11	5350.000	49.14	6.52	55.66	74.00	-18.34	peak
12	5350.000	37.65	6.52	44.17	54.00	-9.83	AVG
13	5397.600	50.91	6.63	57.54	74.00	-16.46	peak
14	5397.600	38.27	6.63	44.90	54.00	-9.10	AVG

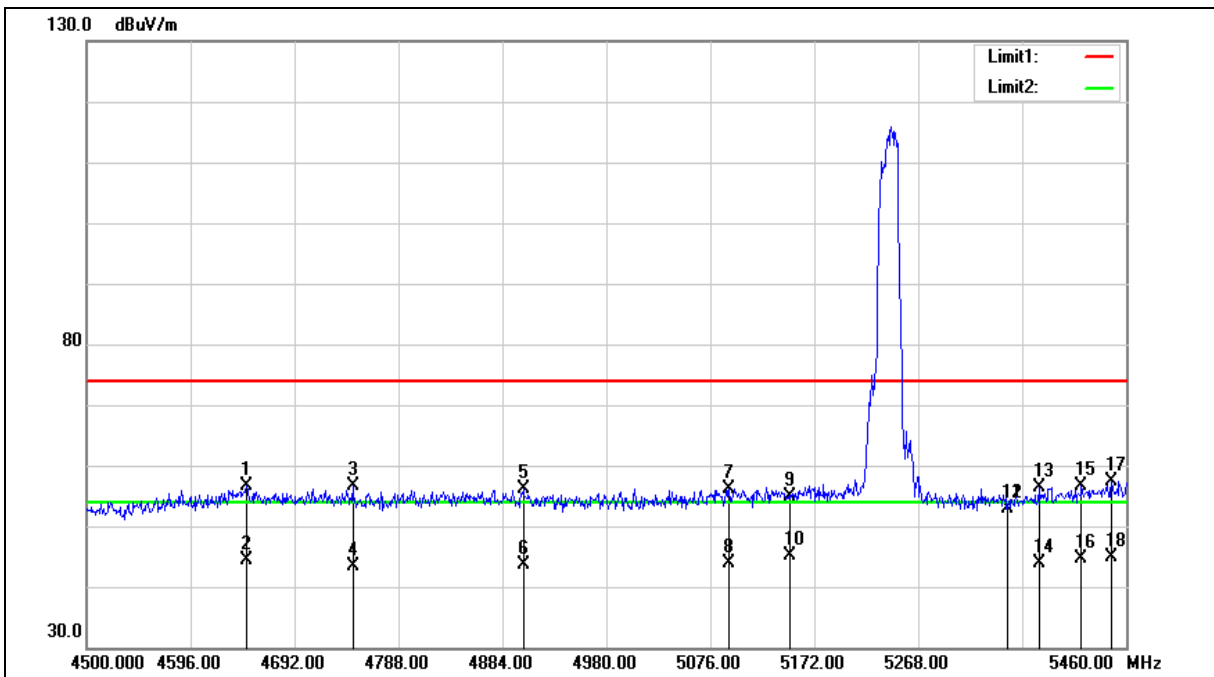
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	DC 48 V
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4647.840	51.67	5.02	56.69	74.00	-17.31	peak
2	4647.840	39.27	5.02	44.29	54.00	-9.71	AVG
3	4745.760	51.39	5.21	56.60	74.00	-17.40	peak
4	4745.760	38.06	5.21	43.27	54.00	-10.73	AVG
5	4903.200	50.52	5.54	56.06	74.00	-17.94	peak
6	4903.200	38.10	5.54	43.64	54.00	-10.36	AVG
7	5093.280	50.25	5.95	56.20	74.00	-17.80	peak
8	5093.280	38.04	5.95	43.99	54.00	-10.01	AVG
9	5150.000	48.82	6.07	54.89	74.00	-19.11	peak
10	5150.000	39.06	6.07	45.13	54.00	-8.87	AVG
11	5350.000	46.47	6.52	52.99	74.00	-21.01	peak
12	5350.000	46.47	6.52	52.99	54.00	-1.01	AVG
13	5379.360	49.80	6.58	56.38	74.00	-17.62	peak
14	5379.360	37.18	6.58	43.76	54.00	-10.24	AVG
15	5418.720	49.89	6.68	56.57	74.00	-17.43	peak
16	5418.720	37.85	6.68	44.53	54.00	-9.47	AVG
17	5446.560	50.60	6.74	57.34	74.00	-16.66	peak
18	5446.560	38.25	6.74	44.99	54.00	-9.01	AVG

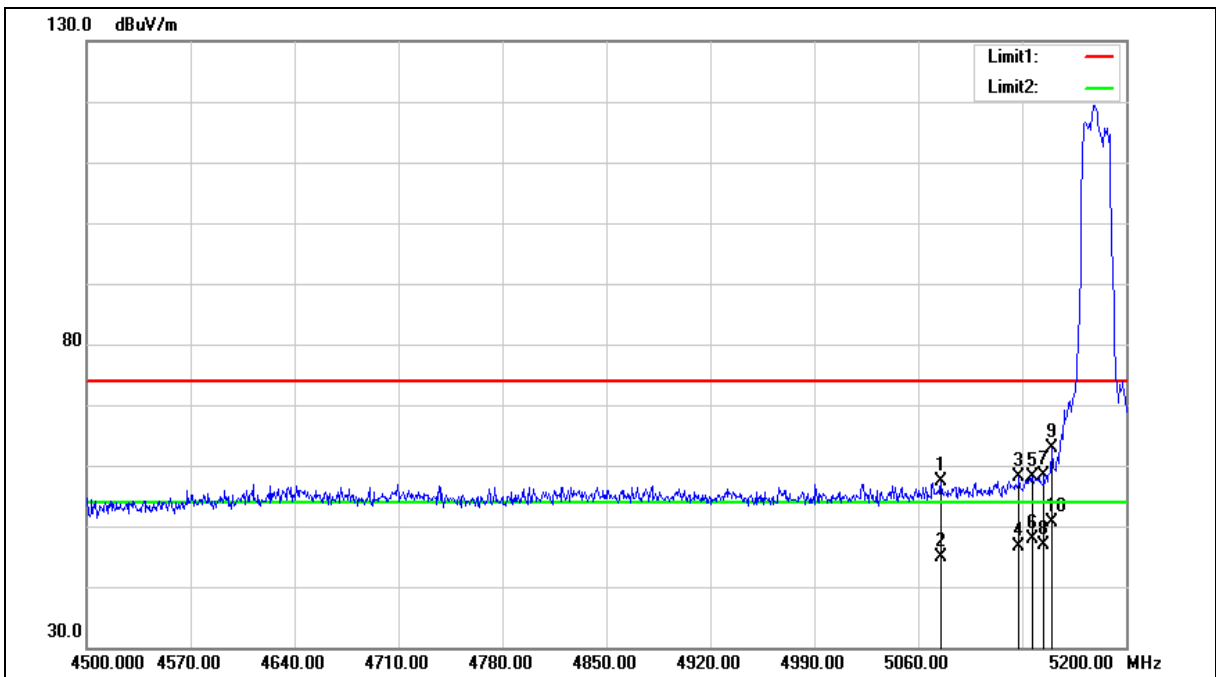
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5180 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:	DC 48 V
Frequency:	5180 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	5075.400	51.37	5.90	57.27	74.00	-16.73	peak
2	5075.400	39.06	5.90	44.96	54.00	-9.04	AVG
3	5127.900	52.01	6.02	58.03	74.00	-15.97	peak
4	5127.900	40.51	6.02	46.53	54.00	-7.47	AVG
5	5137.000	52.11	6.04	58.15	74.00	-15.85	peak
6	5137.000	41.82	6.04	47.86	54.00	-6.14	AVG
7	5144.700	52.41	6.06	58.47	74.00	-15.53	peak
8	5144.700	40.93	6.06	46.99	54.00	-7.01	AVG
9	5150.000	56.73	6.07	62.80	74.00	-11.20	peak
10	5150.000	44.56	6.07	50.63	54.00	-3.37	AVG

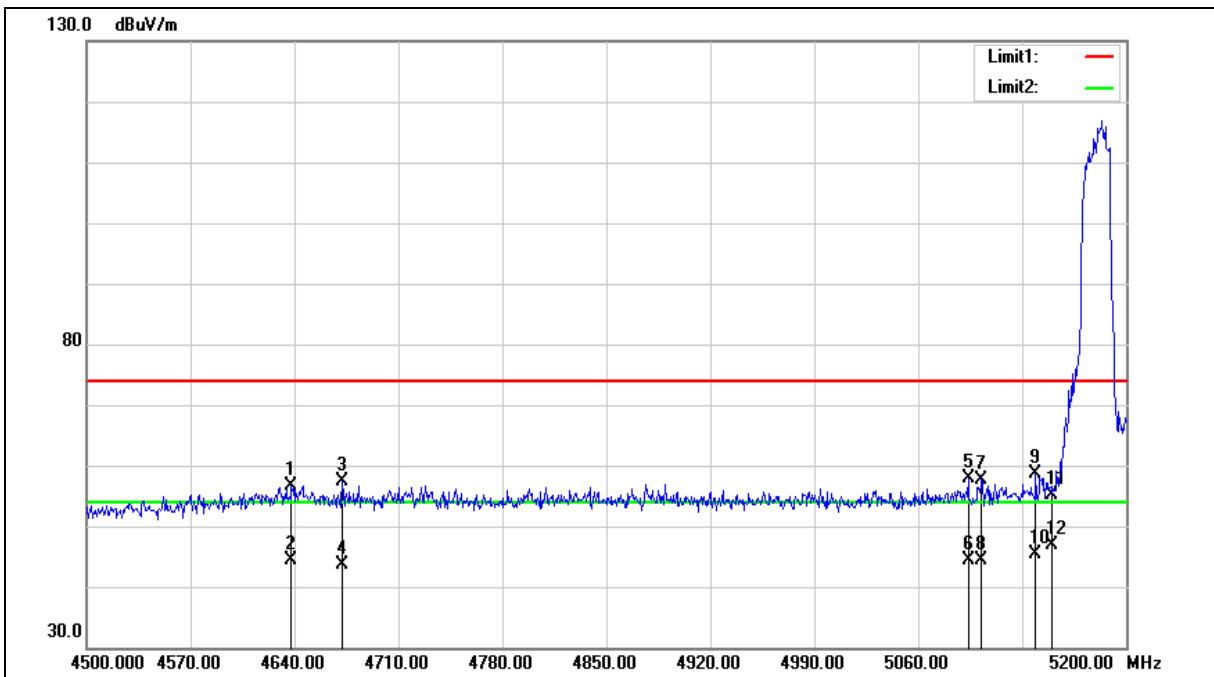
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5180 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:	DC 48 V
Frequency:	5180 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	4637.900	51.65	5.00	56.65	74.00	-17.35	peak
2	4637.900	39.41	5.00	44.41	54.00	-9.59	AVG
3	4672.200	52.23	5.05	57.28	74.00	-16.72	peak
4	4672.200	38.69	5.05	43.74	54.00	-10.26	AVG
5	5093.600	51.88	5.95	57.83	74.00	-16.17	peak
6	5093.600	38.47	5.95	44.42	54.00	-9.58	AVG
7	5102.700	51.79	5.96	57.75	74.00	-16.25	peak
8	5102.700	38.47	5.96	44.43	54.00	-9.57	AVG
9	5139.100	52.55	6.05	58.60	74.00	-15.40	peak
10	5139.100	39.28	6.05	45.33	54.00	-8.67	AVG
11	5150.000	49.12	6.07	55.19	74.00	-18.81	peak
12	5150.000	40.84	6.07	46.91	54.00	-7.09	AVG

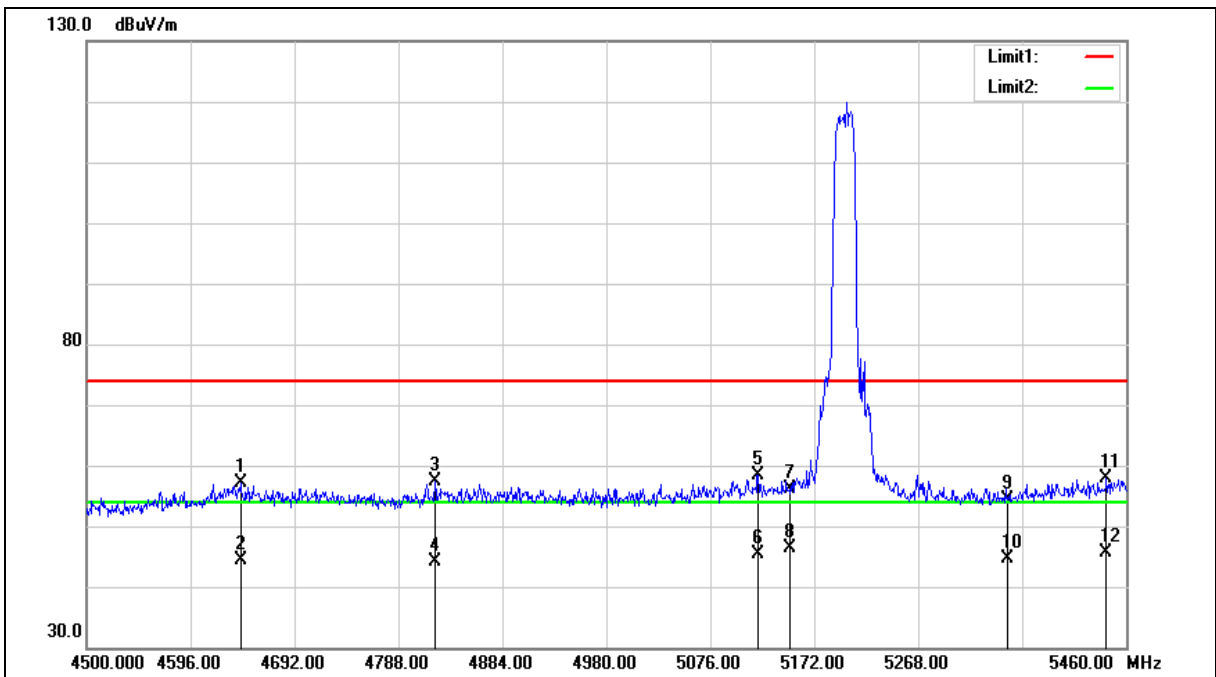
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	DC 48 V
Frequency:	5200 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:	DC 48 V
Frequency:	5200 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	4642.080	52.06	5.00	57.06	74.00	-16.94	peak
2	4642.080	39.47	5.00	44.47	54.00	-9.53	AVG
3	4821.600	51.97	5.36	57.33	74.00	-16.67	peak
4	4821.600	38.76	5.36	44.12	54.00	-9.88	AVG
5	5120.160	52.45	6.01	58.46	74.00	-15.54	peak
6	5120.160	39.40	6.01	45.41	54.00	-8.59	AVG
7	5150.000	50.06	6.07	56.13	74.00	-17.87	peak
8	5150.000	40.32	6.07	46.39	54.00	-7.61	AVG
9	5350.000	47.75	6.52	54.27	74.00	-19.73	peak
10	5350.000	38.05	6.52	44.57	54.00	-9.43	AVG
11	5441.760	51.02	6.74	57.76	74.00	-16.24	peak
12	5441.760	38.88	6.74	45.62	54.00	-8.38	AVG

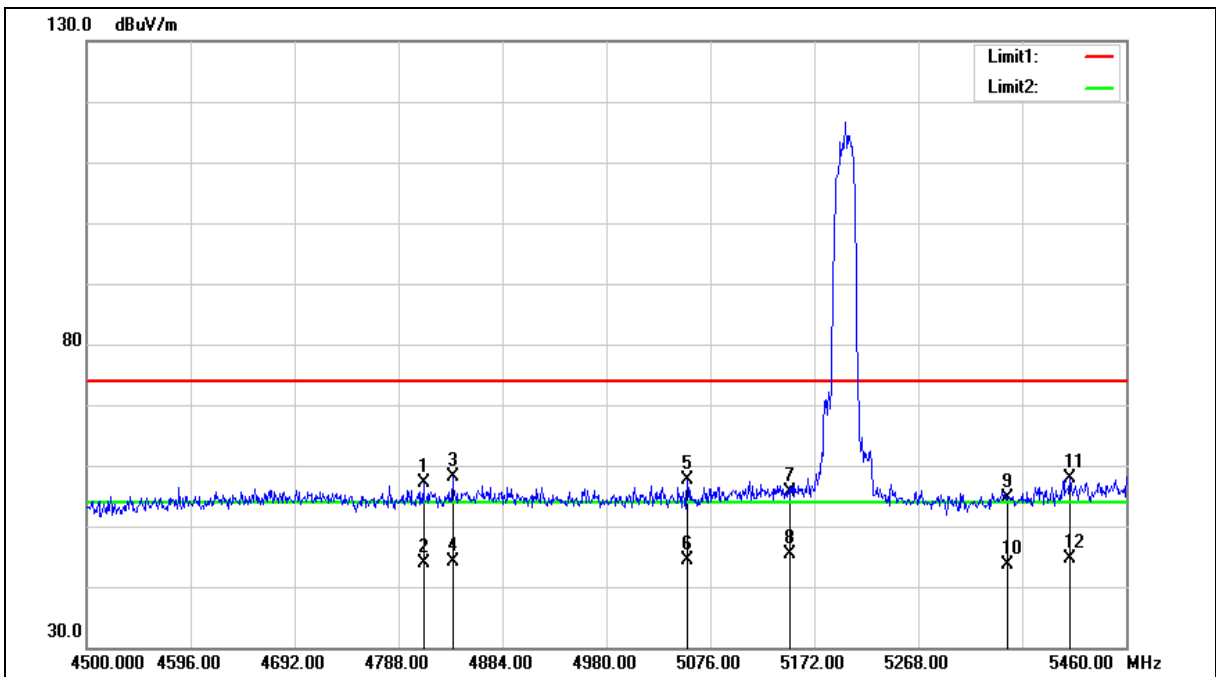
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5200 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:	DC 48 V
Frequency:	5200 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	4811.040	51.74	5.34	57.08	74.00	-16.92	peak
2	4811.040	38.62	5.34	43.96	54.00	-10.04	AVG
3	4837.920	52.77	5.41	58.18	74.00	-15.82	peak
4	4837.920	38.80	5.41	44.21	54.00	-9.79	AVG
5	5054.880	51.89	5.85	57.74	74.00	-16.26	peak
6	5054.880	38.47	5.85	44.32	54.00	-9.68	AVG
7	5150.000	49.68	6.07	55.75	74.00	-18.25	peak
8	5150.000	39.19	6.07	45.26	54.00	-8.74	AVG
9	5350.000	48.12	6.52	54.64	74.00	-19.36	peak
10	5350.000	37.00	6.52	43.52	54.00	-10.48	AVG
11	5408.160	51.15	6.64	57.79	74.00	-16.21	peak
12	5408.160	37.87	6.64	44.51	54.00	-9.49	AVG

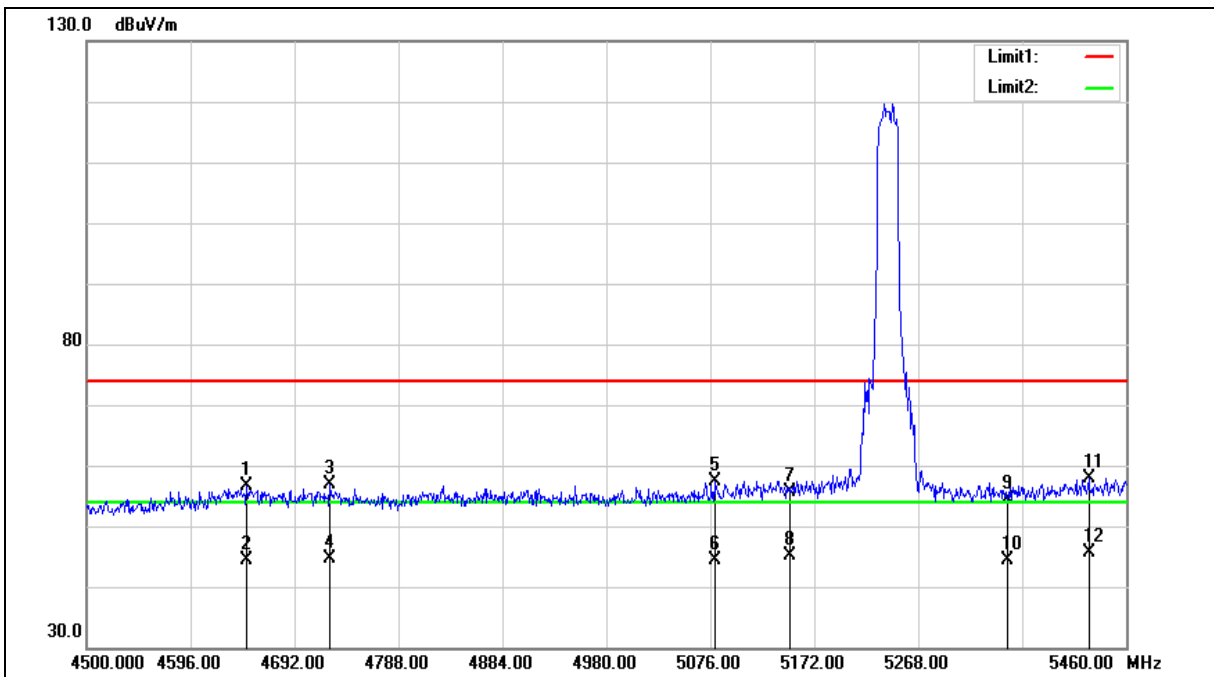
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5240 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:	DC 48 V
Frequency:	5240 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	4647.840	51.64	5.02	56.66	74.00	-17.34	peak
2	4647.840	39.28	5.02	44.30	54.00	-9.70	AVG
3	4724.640	51.82	5.17	56.99	74.00	-17.01	peak
4	4724.640	39.44	5.17	44.61	54.00	-9.39	AVG
5	5079.840	51.51	5.90	57.41	74.00	-16.59	peak
6	5079.840	38.46	5.90	44.36	54.00	-9.64	AVG
7	5150.000	49.56	6.07	55.63	74.00	-18.37	peak
8	5150.000	39.01	6.07	45.08	54.00	-8.92	AVG
9	5350.000	47.89	6.52	54.41	74.00	-19.59	peak
10	5350.000	37.92	6.52	44.44	54.00	-9.56	AVG
11	5425.440	51.18	6.70	57.88	74.00	-16.12	peak
12	5425.440	38.93	6.70	45.63	54.00	-8.37	AVG

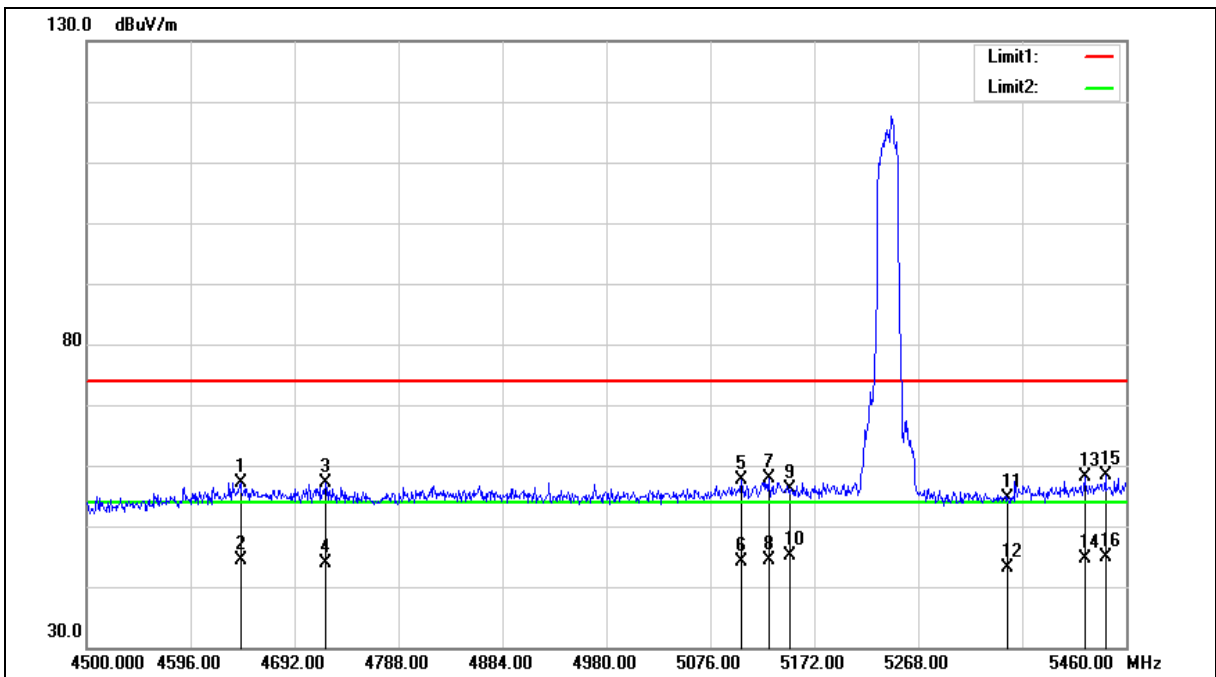
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5240 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:	DC 48 V
Frequency:	5240 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	4642.080	52.10	5.00	57.10	74.00	-16.90	peak
2	4642.080	39.45	5.00	44.45	54.00	-9.55	AVG
3	4720.800	51.91	5.16	57.07	74.00	-16.93	peak
4	4720.800	38.60	5.16	43.76	54.00	-10.24	AVG
5	5104.800	51.74	5.97	57.71	74.00	-16.29	peak
6	5104.800	38.17	5.97	44.14	54.00	-9.86	AVG
7	5129.760	51.82	6.02	57.84	74.00	-16.16	peak
8	5129.760	38.28	6.02	44.30	54.00	-9.70	AVG
9	5150.000	49.96	6.07	56.03	74.00	-17.97	peak
10	5150.000	39.15	6.07	45.22	54.00	-8.78	AVG
11	5350.000	48.10	6.52	54.62	74.00	-19.38	peak
12	5350.000	36.67	6.52	43.19	54.00	-10.81	AVG
13	5421.600	51.32	6.69	58.01	74.00	-15.99	peak
14	5421.600	37.96	6.69	44.65	54.00	-9.35	AVG
15	5440.800	51.64	6.73	58.37	74.00	-15.63	peak
16	5440.800	38.26	6.73	44.99	54.00	-9.01	AVG

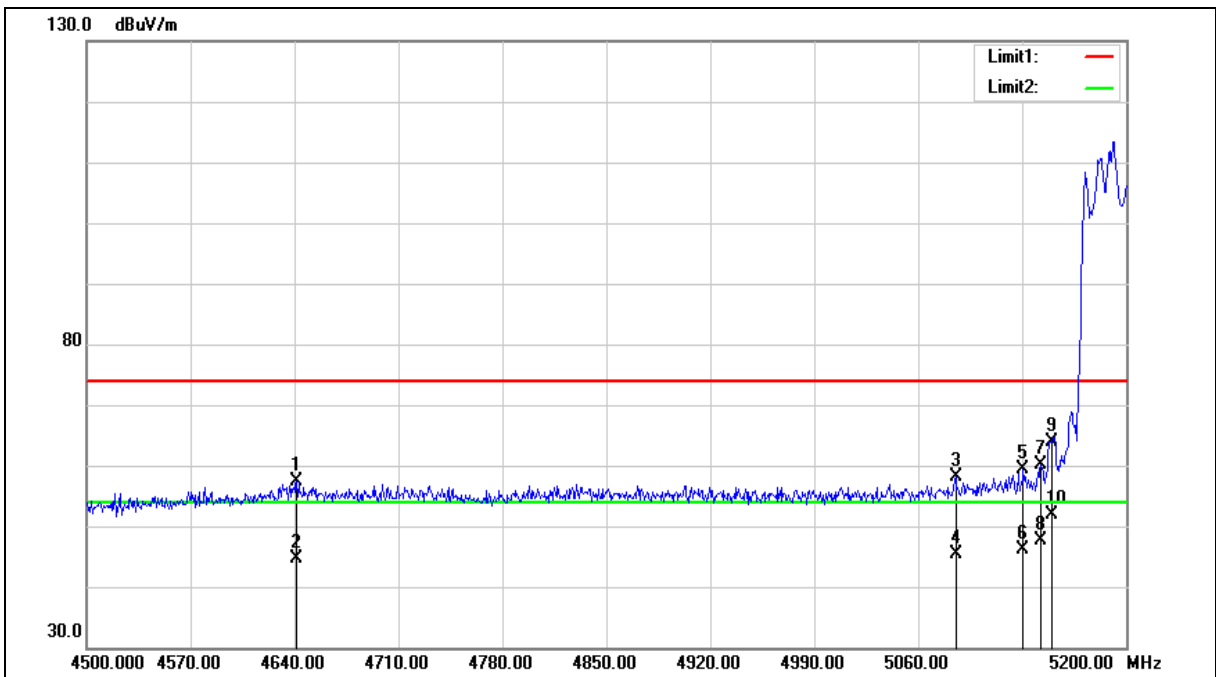
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5190 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:	DC 48 V
Frequency:	5190 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	4641.400	52.48	5.00	57.48	74.00	-16.52	peak
2	4641.400	39.54	5.00	44.54	54.00	-9.46	AVG
3	5085.200	52.26	5.92	58.18	74.00	-15.82	peak
4	5085.200	39.38	5.92	45.30	54.00	-8.70	AVG
5	5130.700	53.30	6.03	59.33	74.00	-14.67	peak
6	5130.700	40.08	6.03	46.11	54.00	-7.89	AVG
7	5142.600	54.12	6.06	60.18	74.00	-13.82	peak
8	5142.600	41.55	6.06	47.61	54.00	-6.39	AVG
9	5150.000	57.74	6.07	63.81	74.00	-10.19	peak
10	5150.000	45.91	6.07	51.98	54.00	-2.02	AVG

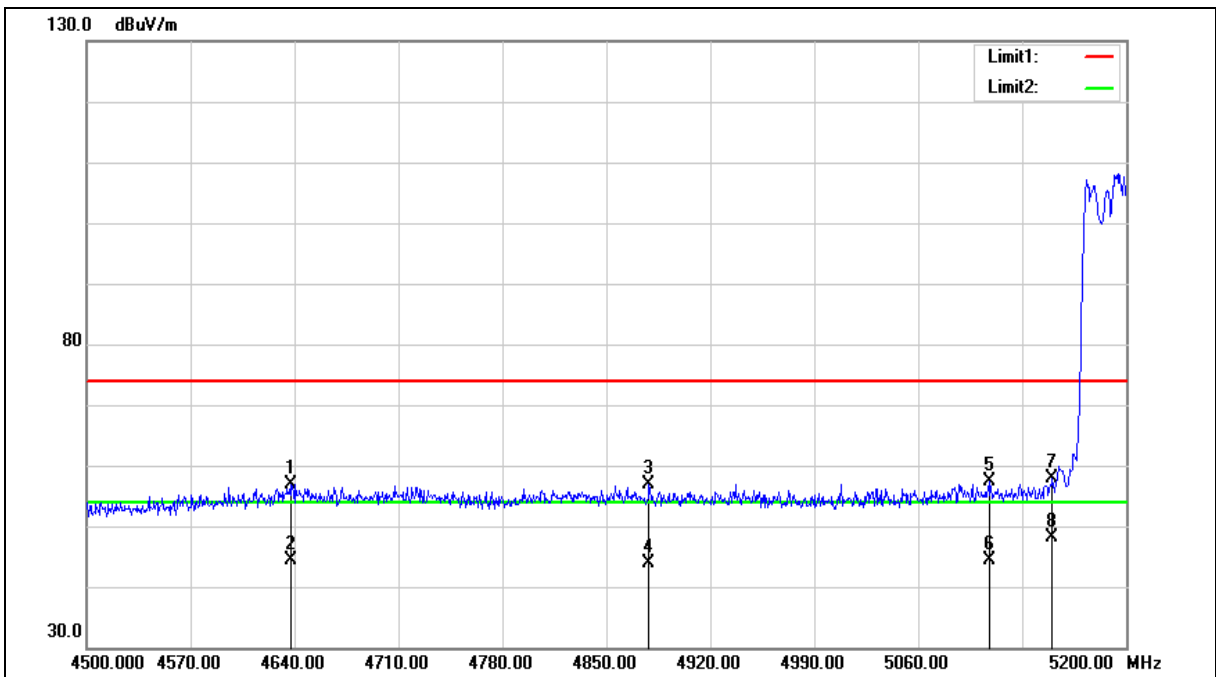
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5190 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:	DC 48 V
Frequency:	5190 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	4637.200	51.97	4.99	56.96	74.00	-17.04	peak
2	4637.200	39.34	4.99	44.33	54.00	-9.67	AVG
3	4878.700	51.30	5.48	56.78	74.00	-17.22	peak
4	4878.700	38.32	5.48	43.80	54.00	-10.20	AVG
5	5108.300	51.30	5.97	57.27	74.00	-16.73	peak
6	5108.300	38.32	5.97	44.29	54.00	-9.71	AVG
7	5150.000	51.84	6.07	57.91	74.00	-16.09	peak
8	5150.000	42.10	6.07	48.17	54.00	-5.83	AVG

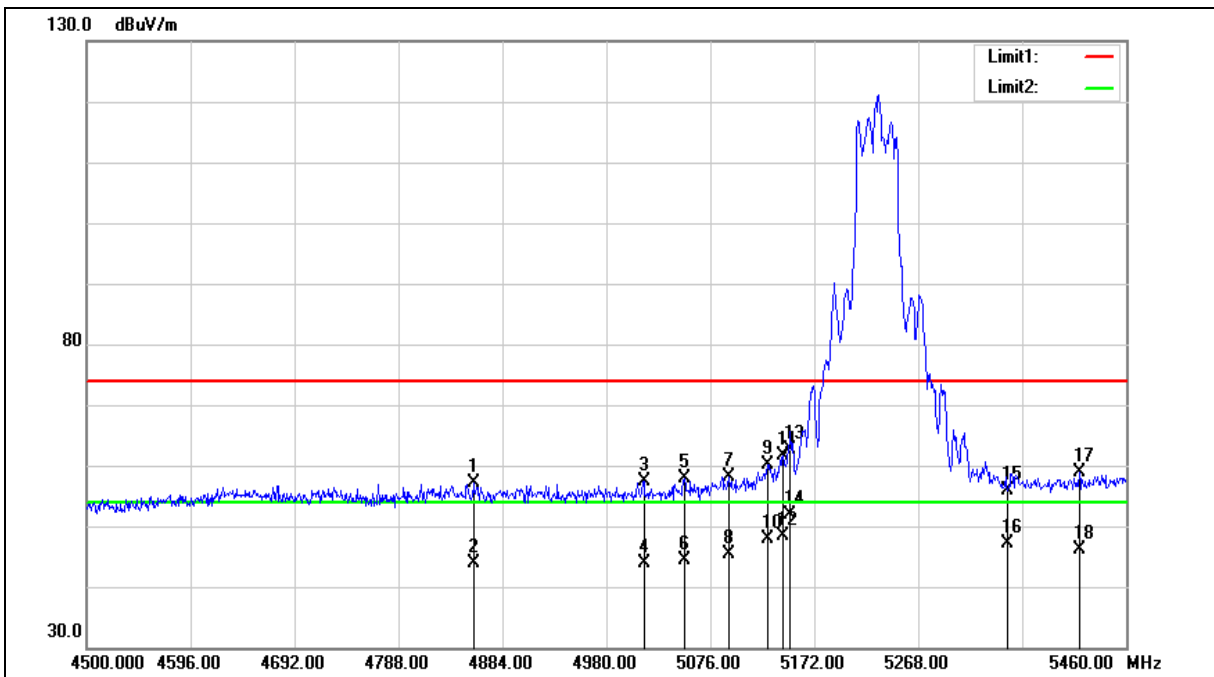
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5230 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:	DC 48 V
Frequency:	5230 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	4857.120	51.64	5.43	57.07	74.00	-16.93	peak
2	4857.120	38.56	5.43	43.99	54.00	-10.01	AVG
3	5014.560	51.53	5.77	57.30	74.00	-16.70	peak
4	5014.560	38.16	5.77	43.93	54.00	-10.07	AVG
5	5052.000	52.00	5.84	57.84	74.00	-16.16	peak
6	5052.000	38.62	5.84	44.46	54.00	-9.54	AVG
7	5093.280	52.10	5.95	58.05	74.00	-15.95	peak
8	5093.280	39.48	5.95	45.43	54.00	-8.57	AVG
9	5128.800	54.21	6.02	60.23	74.00	-13.77	peak
10	5128.800	41.77	6.02	47.79	54.00	-6.21	AVG
11	5143.200	55.53	6.06	61.59	74.00	-12.41	peak
12	5143.200	42.23	6.06	48.29	54.00	-5.71	AVG
13	5150.000	56.61	6.07	62.68	74.00	-11.32	peak
14	5150.000	45.79	6.07	51.86	54.00	-2.14	AVG
15	5350.000	49.38	6.52	55.90	74.00	-18.10	peak
16	5350.000	40.67	6.52	47.19	54.00	-6.81	AVG
17	5416.800	52.14	6.68	58.82	74.00	-15.18	peak
18	5416.800	39.34	6.68	46.02	54.00	-7.98	AVG

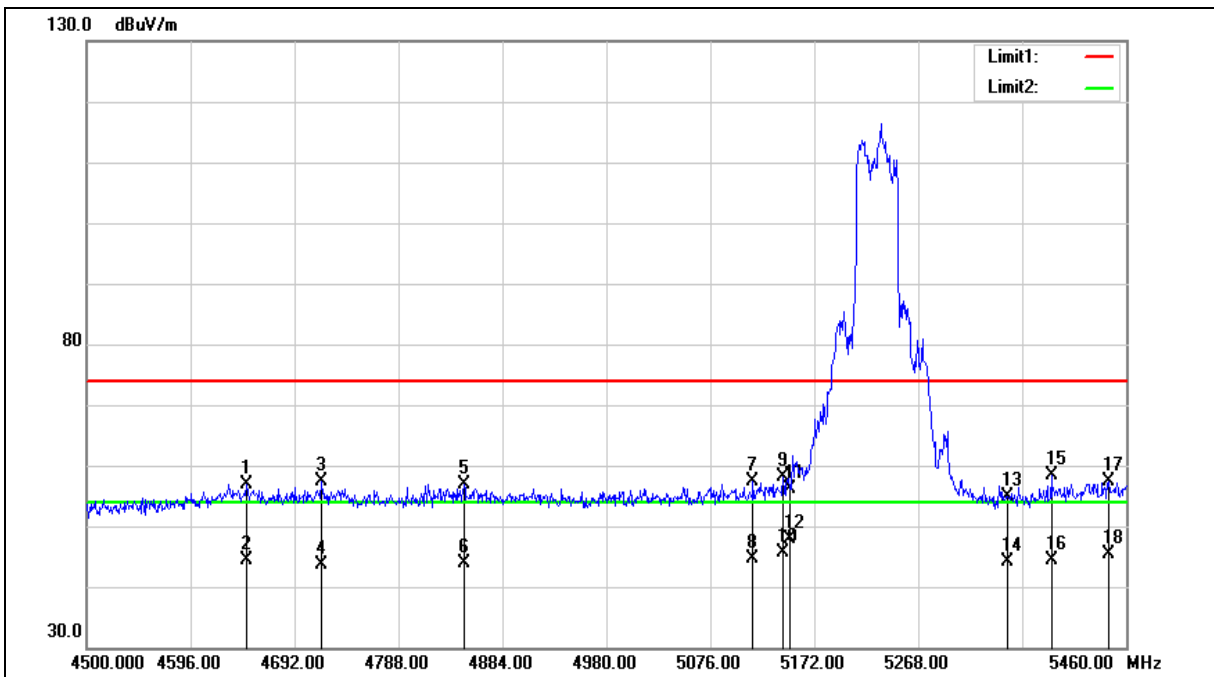
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5230 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:	DC 48 V
Frequency:	5230 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	4647.840	51.90	5.02	56.92	74.00	-17.08	peak
2	4647.840	39.31	5.02	44.33	54.00	-9.67	AVG
3	4716.960	52.13	5.15	57.28	74.00	-16.72	peak
4	4716.960	38.53	5.15	43.68	54.00	-10.32	AVG
5	4848.480	51.48	5.43	56.91	74.00	-17.09	peak
6	4848.480	38.37	5.43	43.80	54.00	-10.20	AVG
7	5115.360	51.27	6.00	57.27	74.00	-16.73	peak
8	5115.360	38.66	6.00	44.66	54.00	-9.34	AVG
9	5143.200	52.07	6.06	58.13	74.00	-15.87	peak
10	5143.200	39.60	6.06	45.66	54.00	-8.34	AVG
11	5150.000	50.06	6.07	56.13	74.00	-17.87	peak
12	5150.000	41.72	6.07	47.79	54.00	-6.21	AVG
13	5350.000	48.44	6.52	54.96	74.00	-19.04	peak
14	5350.000	37.56	6.52	44.08	54.00	-9.92	AVG
15	5390.880	51.66	6.61	58.27	74.00	-15.73	peak
16	5390.880	37.87	6.61	44.48	54.00	-9.52	AVG
17	5443.680	50.63	6.74	57.37	74.00	-16.63	peak
18	5443.680	38.66	6.74	45.40	54.00	-8.60	AVG

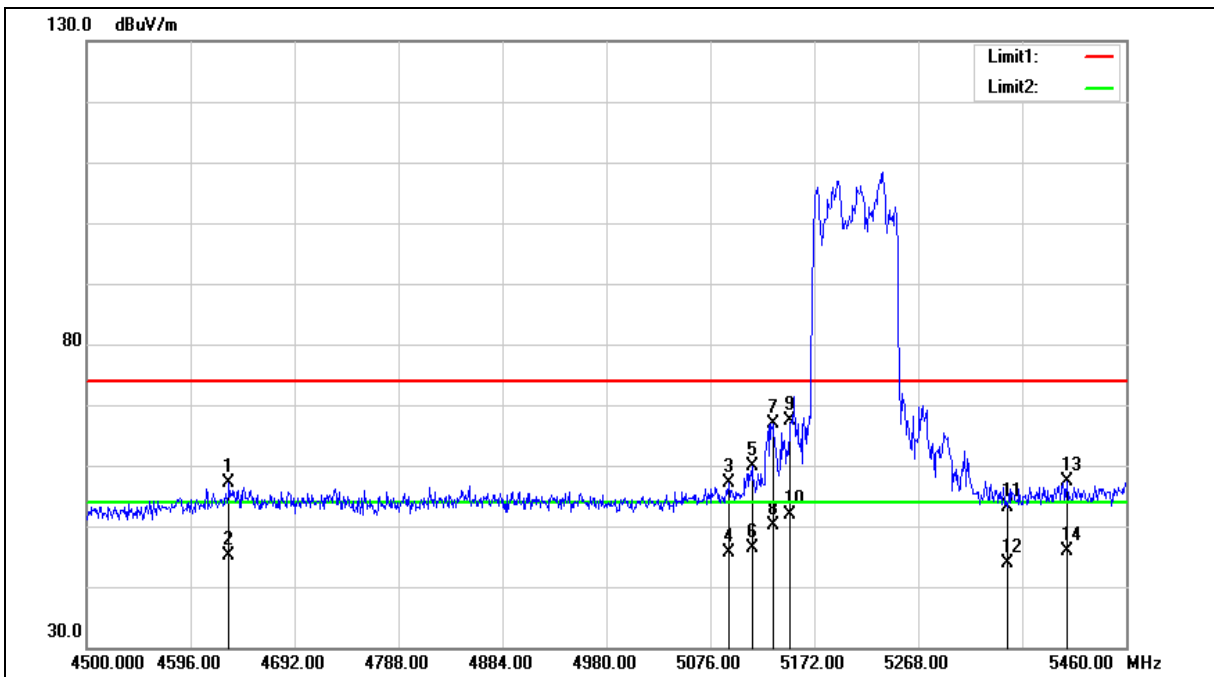
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5210 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:	DC 48 V
Frequency:	5210 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	4631.520	52.13	4.97	57.10	74.00	-16.90	peak
2	4631.520	40.05	4.97	45.02	54.00	-8.98	AVG
3	5093.280	51.08	5.95	57.03	74.00	-16.97	peak
4	5093.280	39.58	5.95	45.53	54.00	-8.47	AVG
5	5114.400	53.93	6.00	59.93	74.00	-14.07	peak
6	5114.400	40.32	6.00	46.32	54.00	-7.68	AVG
7	5133.600	60.91	6.03	66.94	74.00	-7.06	peak
8	5133.600	43.98	6.03	50.01	54.00	-3.99	AVG
9	5150.000	61.42	6.07	67.49	74.00	-6.51	peak
10	5150.000	45.90	6.07	51.97	54.00	-2.03	AVG
11	5350.000	46.52	6.52	53.04	74.00	-20.96	peak
12	5350.000	37.40	6.52	43.92	54.00	-10.08	AVG
13	5405.280	50.85	6.64	57.49	74.00	-16.51	peak
14	5405.280	39.30	6.64	45.94	54.00	-8.06	AVG

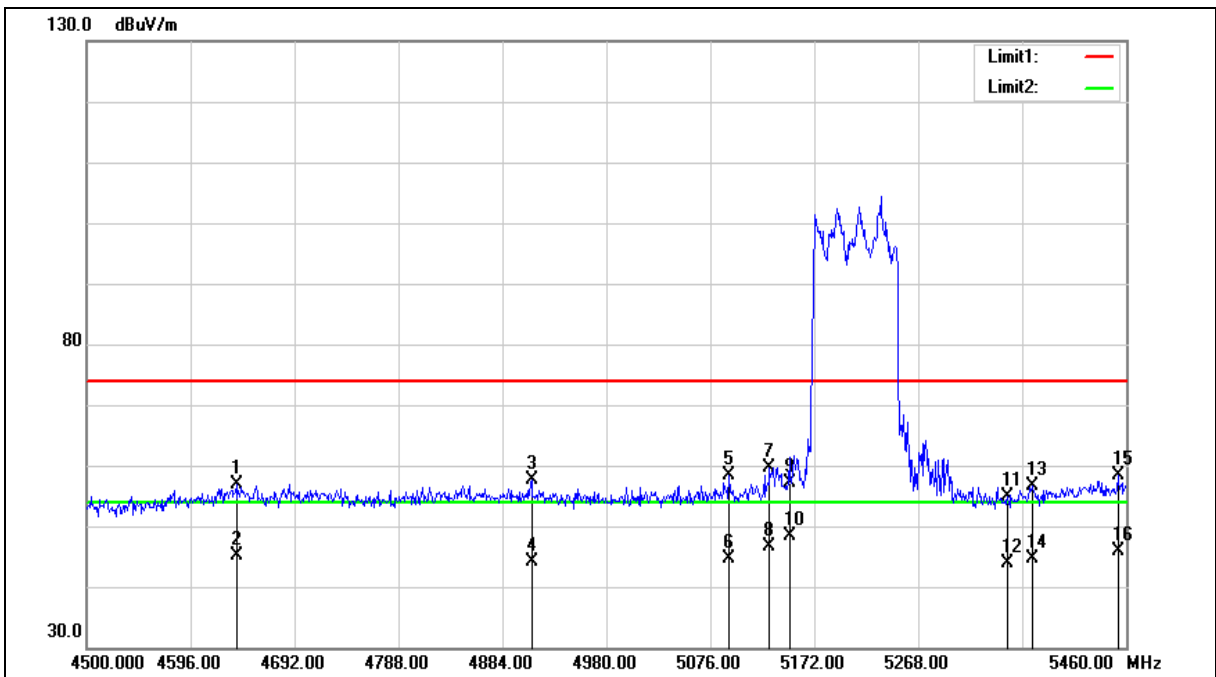
Note:1.Result (dBUV/m) = Correct Factor (dB/m) + Reading(dBUV).

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:	DC 48 V
Frequency:	5210 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:	DC 48 V
Frequency:	5210 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	4638.240	51.97	5.00	56.97	74.00	-17.03	peak
2	4638.240	40.05	5.00	45.05	54.00	-8.95	AVG
3	4910.880	52.12	5.55	57.67	74.00	-16.33	peak
4	4910.880	38.69	5.55	44.24	54.00	-9.76	AVG
5	5093.280	52.51	5.95	58.46	74.00	-15.54	peak
6	5093.280	38.80	5.95	44.75	54.00	-9.25	AVG
7	5130.720	53.67	6.03	59.70	74.00	-14.30	peak
8	5130.720	40.70	6.03	46.73	54.00	-7.27	AVG
9	5150.000	51.00	6.07	57.07	74.00	-16.93	peak
10	5150.000	42.34	6.07	48.41	54.00	-5.59	AVG
11	5350.000	48.27	6.52	54.79	74.00	-19.21	peak
12	5350.000	37.34	6.52	43.86	54.00	-10.14	AVG
13	5373.600	50.14	6.57	56.71	74.00	-17.29	peak
14	5373.600	38.02	6.57	44.59	54.00	-9.41	AVG
15	5452.320	51.64	6.75	58.39	74.00	-15.61	peak
16	5452.320	39.06	6.75	45.81	54.00	-8.19	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.



Antenna Type : PIFA Antenna
Beamforming on

Below 1 GHz

Standard:	FCC Part 15.407	Test Distance:	3 m				
Test item:	Harmonic	Power:	DC 48 V				
Test Mode:	Mode 1	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH				
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
148.3400	37.58	-5.74	31.84	43.50	-11.66	QP	H
199.7500	42.23	-7.72	34.51	43.50	-8.99	QP	H
241.4600	39.40	-6.00	33.40	46.00	-12.60	QP	H
399.5700	33.17	-1.75	31.42	46.00	-14.58	QP	H
800.1800	33.25	6.35	39.60	46.00	-6.40	QP	H
997.0900	33.38	9.54	42.92	54.00	-11.08	QP	H
124.0900	41.48	-7.85	33.63	43.50	-9.87	QP	V
199.7500	41.64	-7.72	33.92	43.50	-9.58	QP	V
384.0500	34.74	-2.15	32.59	46.00	-13.41	QP	V
514.0300	31.84	0.44	32.28	46.00	-13.72	QP	V
800.1800	35.00	6.35	41.35	46.00	-4.65	QP	V
995.1500	33.77	9.51	43.28	54.00	-10.72	QP	V

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

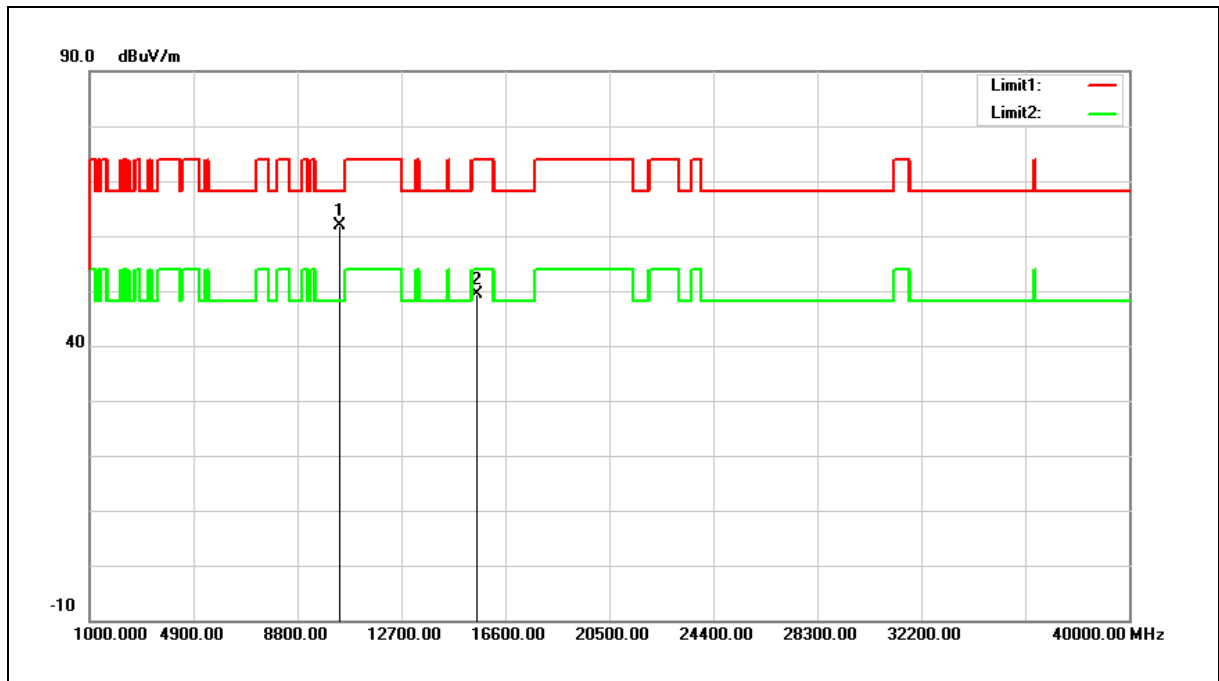
Example: 31.84=-5.74+37.58.

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.

Above 1 GHz

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	DC 48 V
Frequency:	5180 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	10360.000	45.21	16.79	62.00	68.20	-6.20	peak
2	15540.000	30.44	19.03	49.47	74.00	-24.53	peak

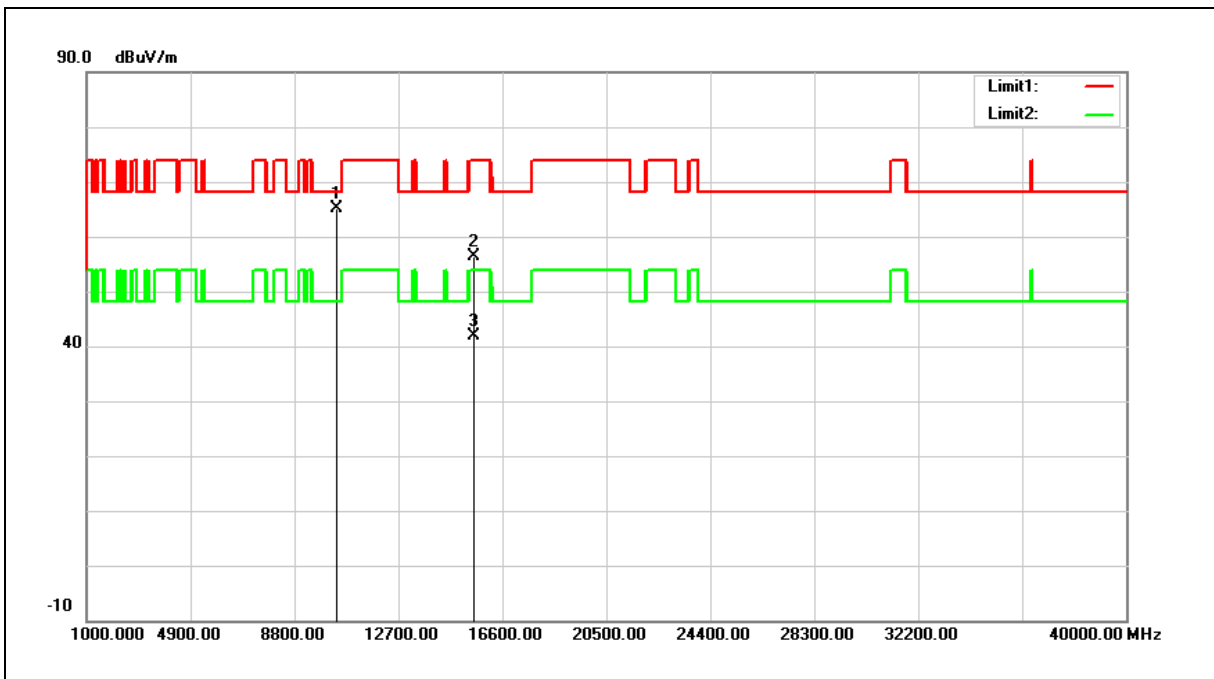
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Harmonic	Power:	DC 48 V
Frequency:	5180 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	10360.000	48.32	16.79	65.11	68.20	-3.09	peak
2	15540.000	37.29	19.03	56.32	74.00	-17.68	peak
3	15540.000	22.97	19.03	42.00	54.00	-12.00	AVG

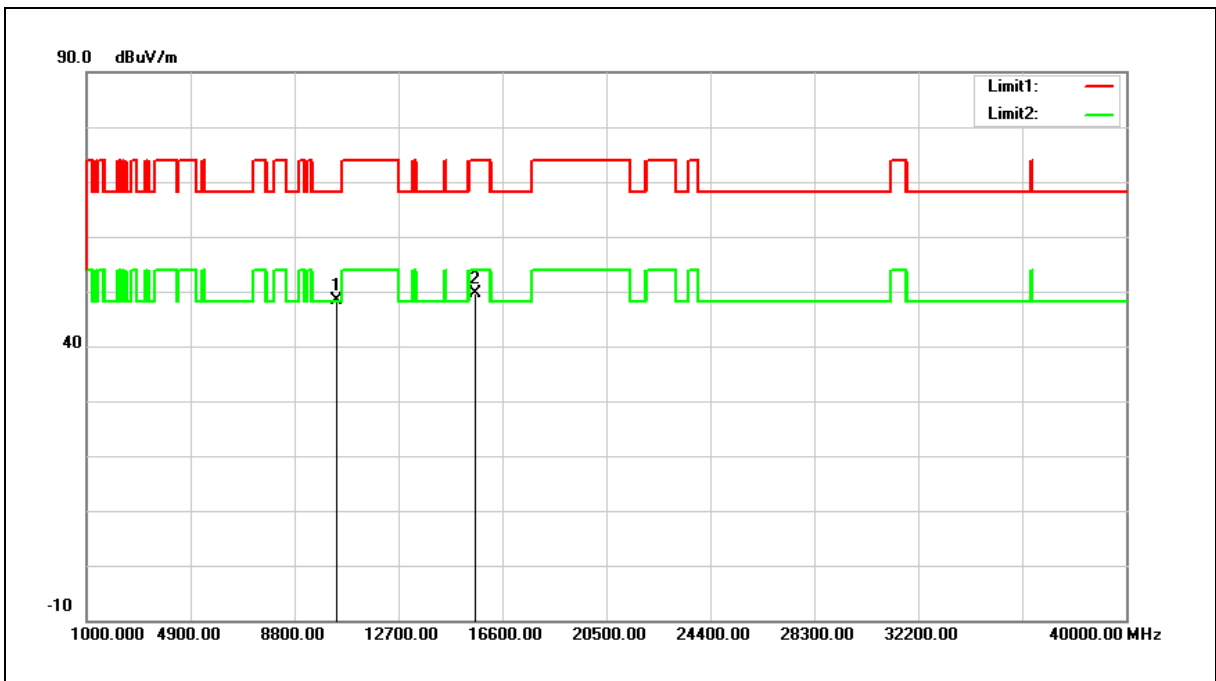
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Harmonic	Power:	DC 48 V
Frequency:	5200 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	10400.000	31.38	16.94	48.32	68.20	-19.88	peak
2	15600.000	30.65	18.87	49.52	74.00	-24.48	peak

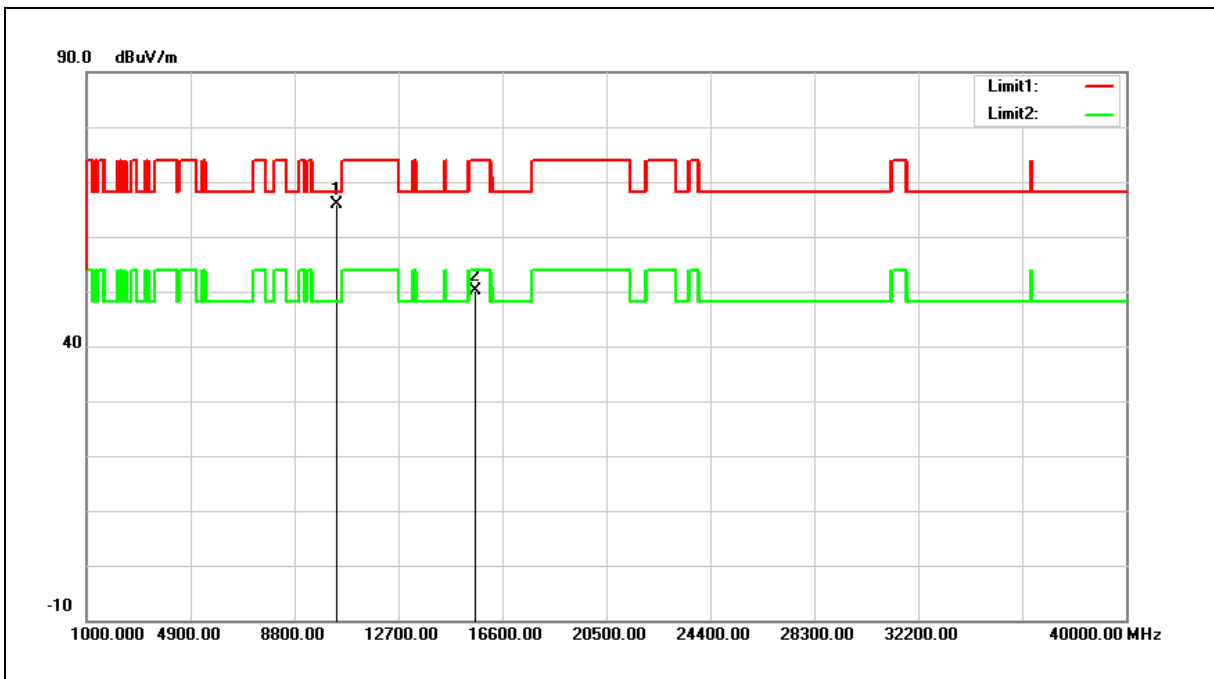
Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Harmonic	Power:	DC 48 V
Frequency:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

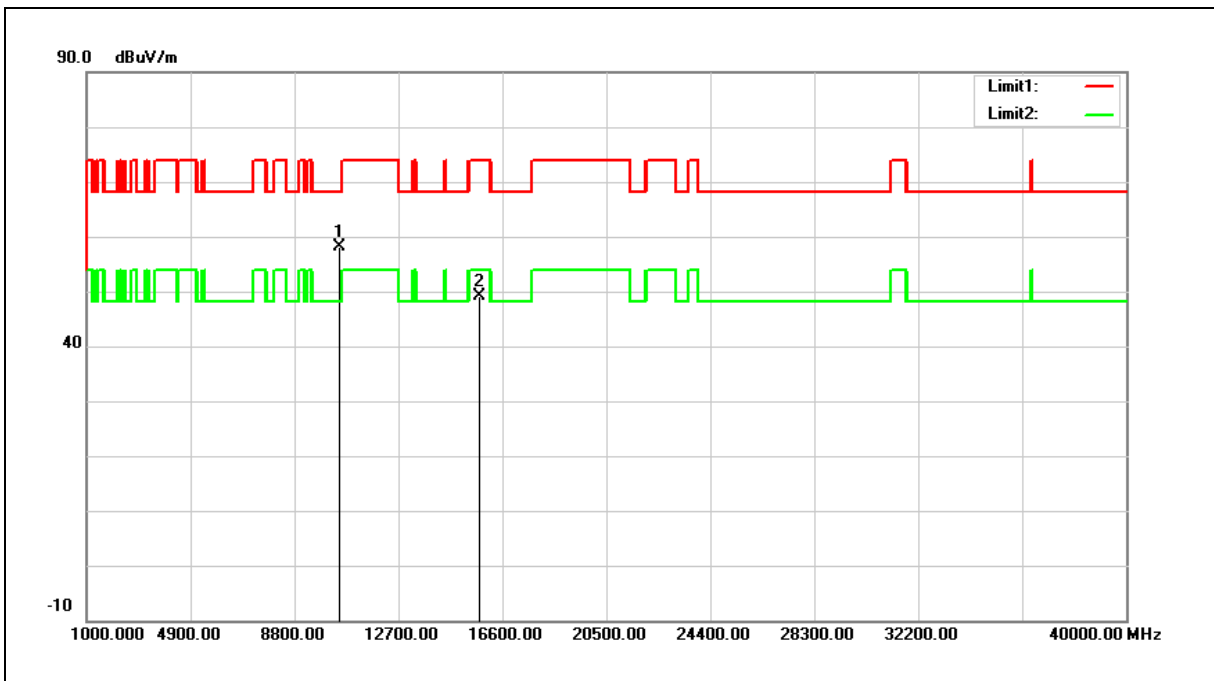


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	48.84	16.94	65.78	68.20	-2.42	peak
2	15600.000	31.36	18.87	50.23	74.00	-23.77	peak

- 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:	Harmonic	Power:	DC 48 V
Frequency:	5240 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	10480.000	40.94	17.23	58.17	68.20	-10.03	peak
2	15720.000	30.68	18.57	49.25	74.00	-24.75	peak

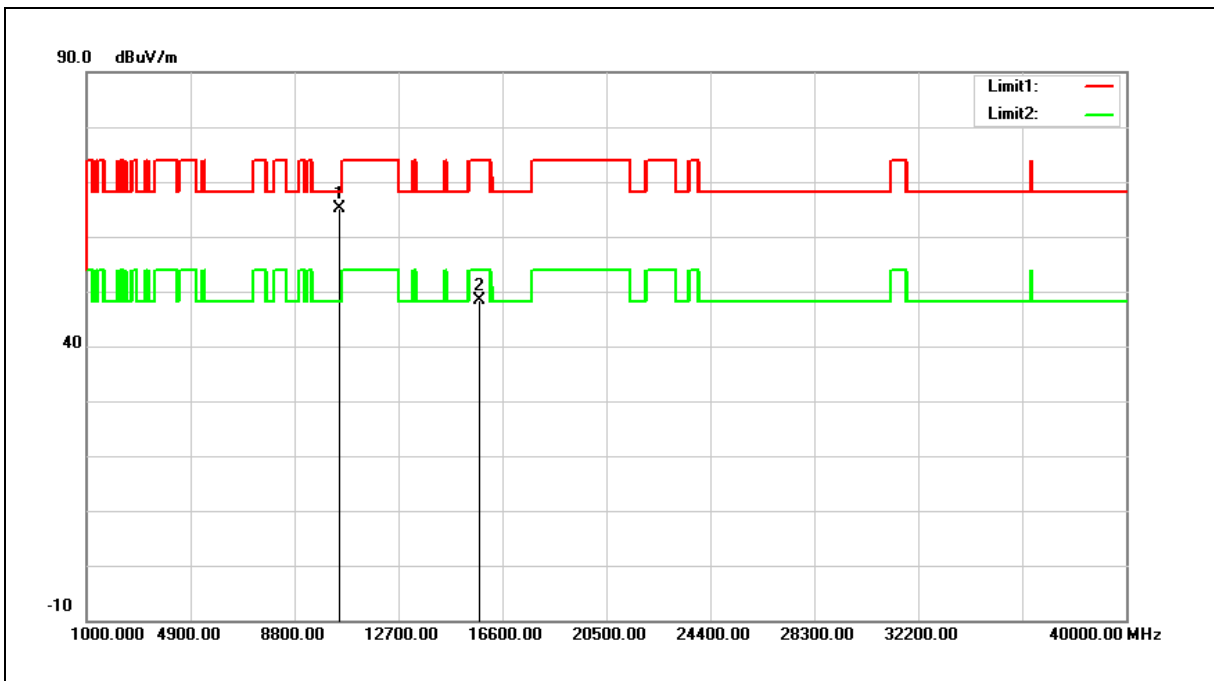
Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Harmonic	Power:	DC 48 V
Frequency:	5240 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	10480.000	47.88	17.23	65.11	68.20	-3.09	peak
2	15720.000	29.85	18.57	48.42	74.00	-25.58	peak

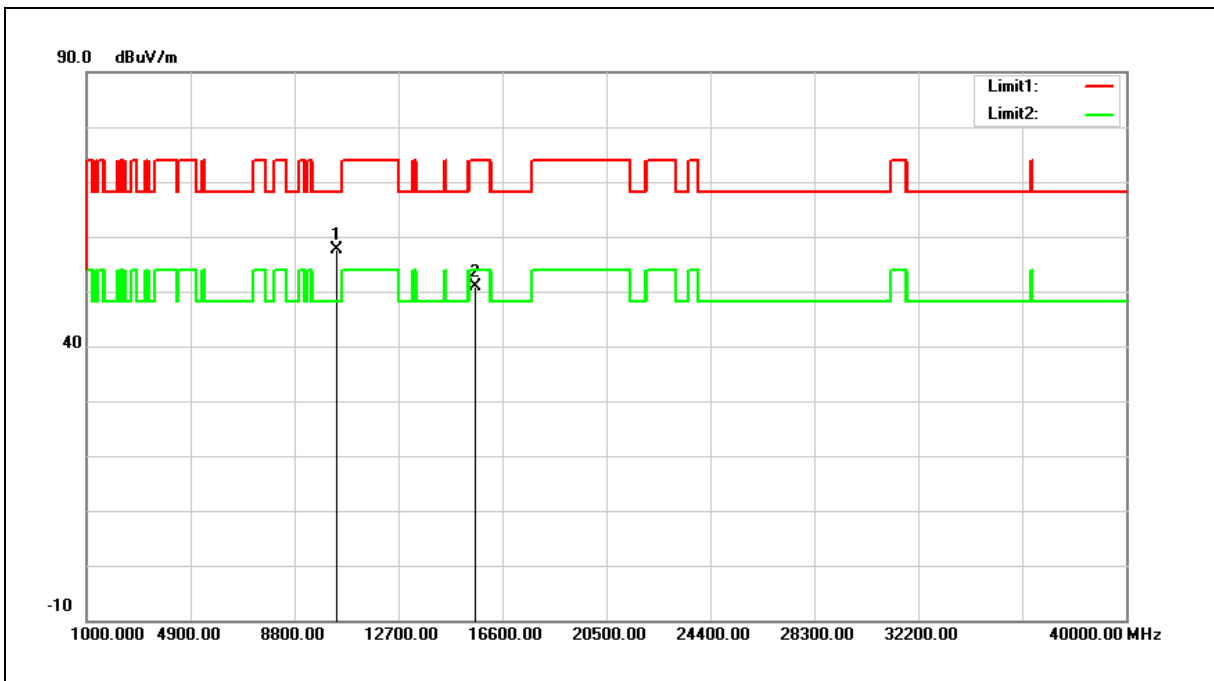
Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Harmonic	Power:	DC 48 V
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

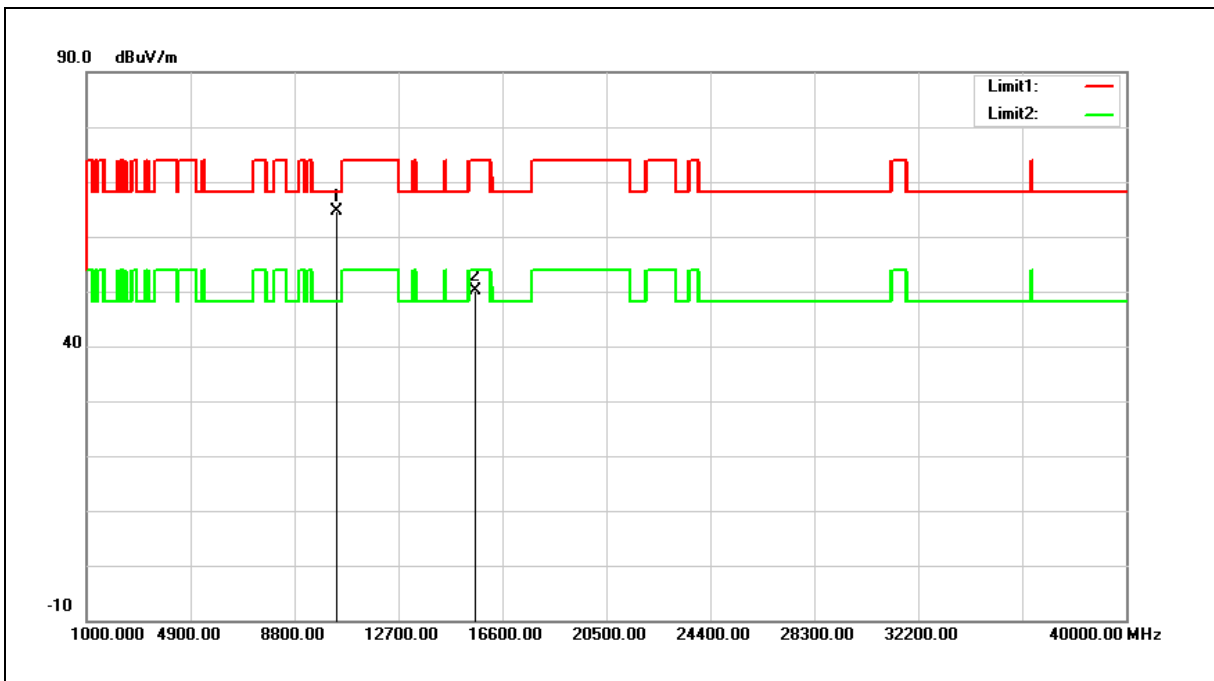


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	40.69	16.86	57.55	68.20	-10.65	peak
2	15570.000	31.97	18.95	50.92	74.00	-23.08	peak

- 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:	Harmonic	Power:	DC 48 V
Frequency:	5190 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	10380.000	47.66	16.86	64.52	68.20	-3.68	peak
2	15570.000	31.28	18.95	50.23	74.00	-23.77	peak

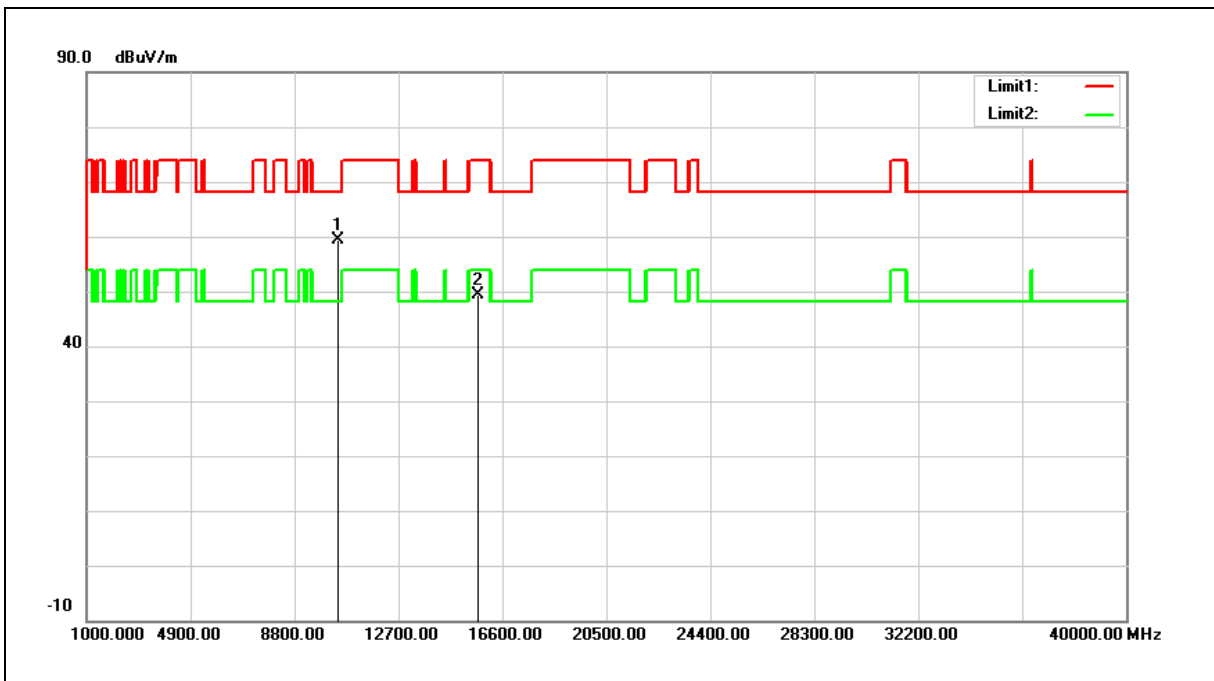
Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Harmonic	Power:	DC 48 V
Frequency:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

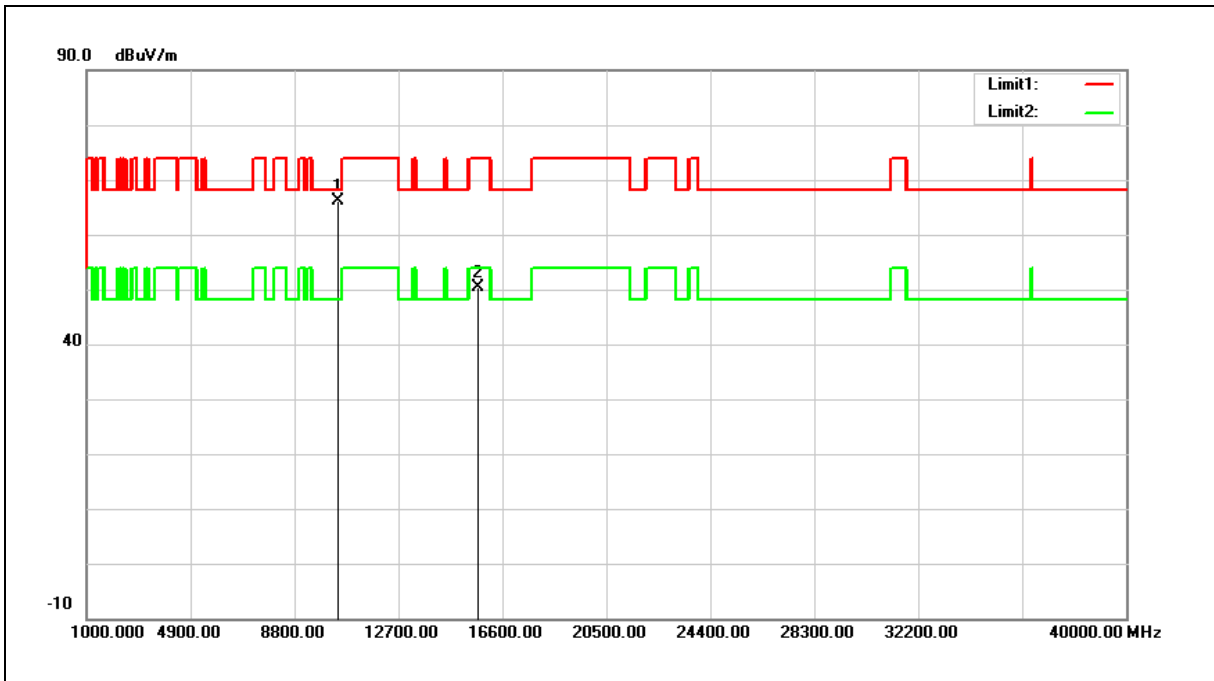


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	42.20	17.15	59.35	68.20	-8.85	peak
2	15690.000	30.77	18.64	49.41	74.00	-24.59	peak

- 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:	Harmonic	Power:	DC 48 V
Frequency:	5230 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	10460.000	48.93	17.15	66.08	68.20	-2.12	peak
2	15690.000	31.79	18.64	50.43	74.00	-23.57	peak

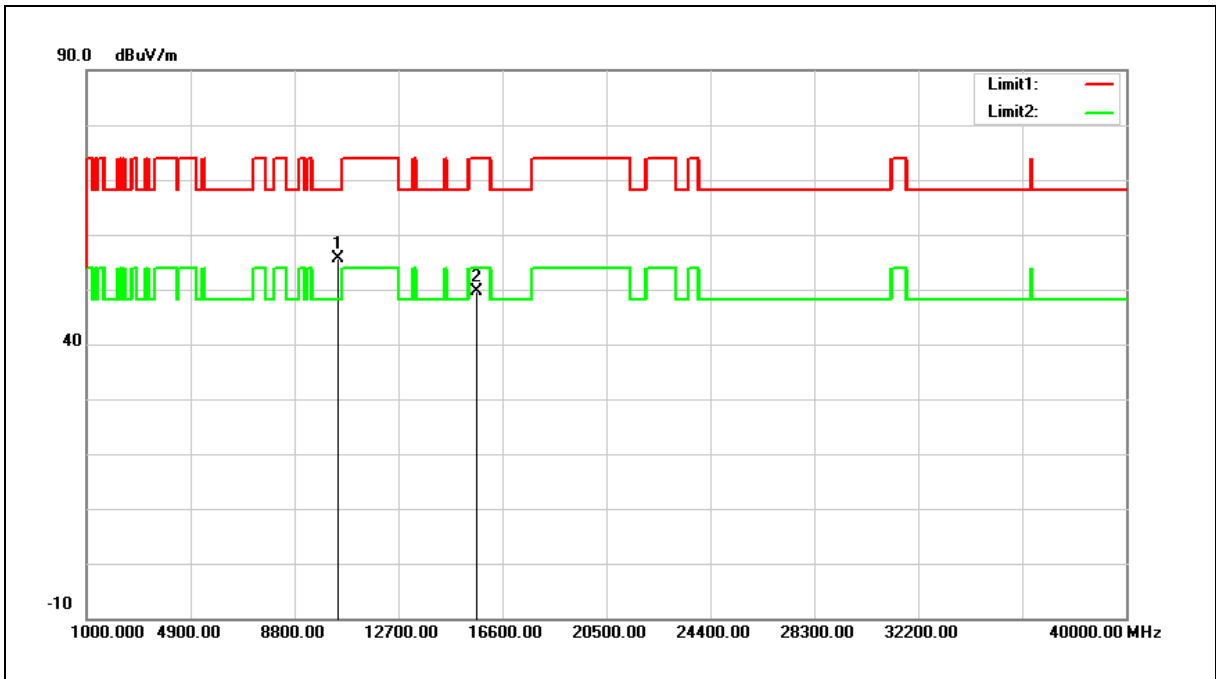
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Harmonic	Power:	DC 48 V
Frequency:	5210 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	10420.000	38.64	17.01	55.65	68.20	-12.55	peak
2	15630.000	30.78	18.79	49.57	74.00	-24.43	peak

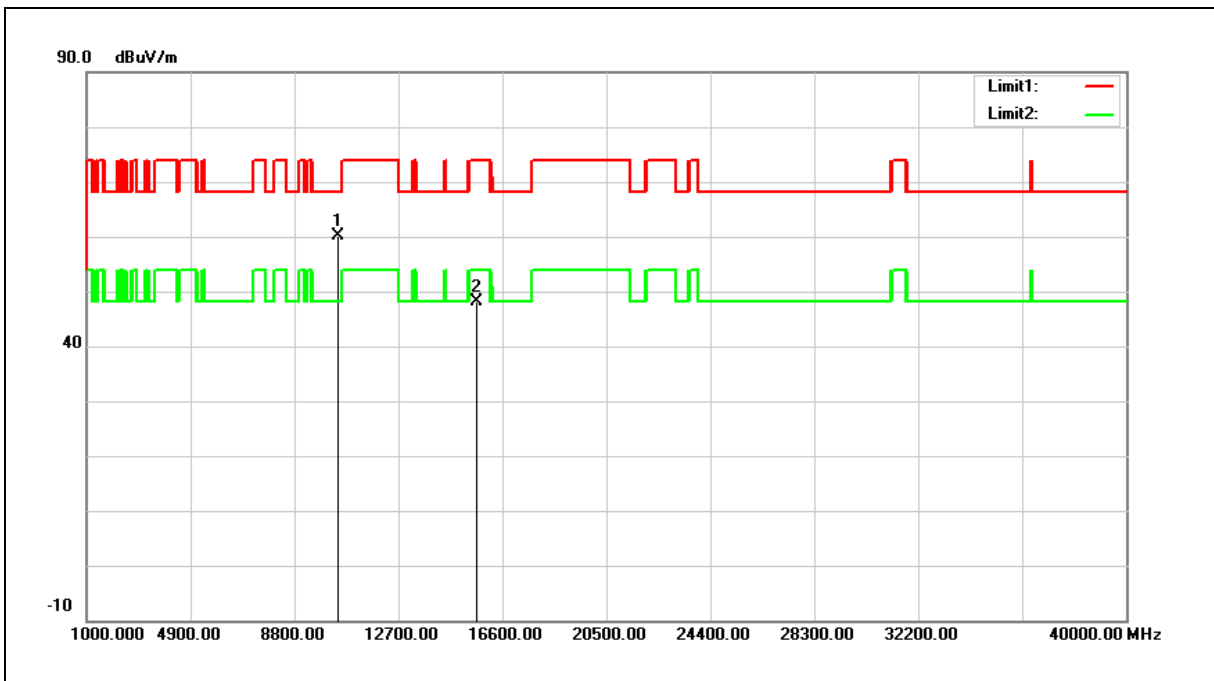
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Harmonic	Power:	DC 48 V
Frequency:	5210 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	10420.000	43.07	17.01	60.08	68.20	-8.12	peak
2	15630.000	29.31	18.79	48.10	74.00	-25.90	peak

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

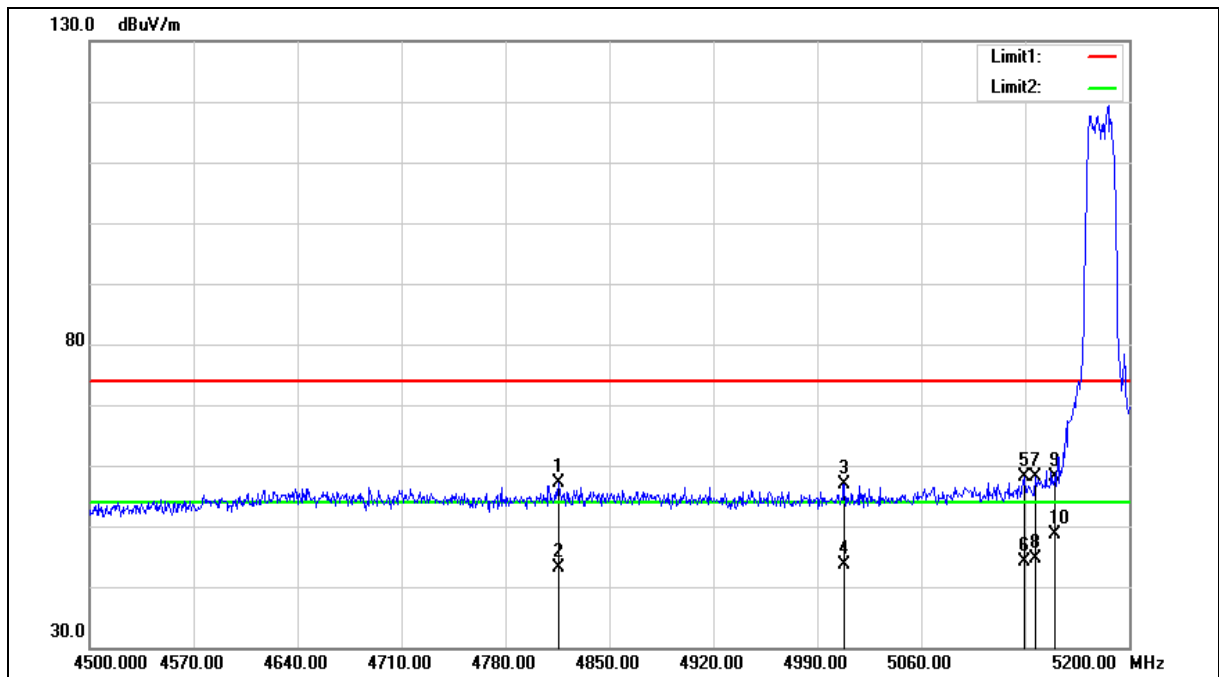
2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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



Band Edge

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	DC 48 V
Frequency:	5180 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:	DC 48 V
Frequency:	5180 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	4815.700	51.89	5.35	57.24	74.00	-16.76	peak
2	4815.700	37.82	5.35	43.17	54.00	-10.83	AVG
3	5008.200	51.14	5.74	56.88	74.00	-17.12	peak
4	5008.200	37.88	5.74	43.62	54.00	-10.38	AVG
5	5129.300	52.03	6.02	58.05	74.00	-15.95	peak
6	5129.300	38.23	6.02	44.25	54.00	-9.75	AVG
7	5137.000	52.03	6.04	58.07	74.00	-15.93	peak
8	5137.000	38.68	6.04	44.72	54.00	-9.28	AVG
9	5150.000	52.16	6.07	58.23	74.00	-15.77	peak
10	5150.000	42.55	6.07	48.62	54.00	-5.38	AVG

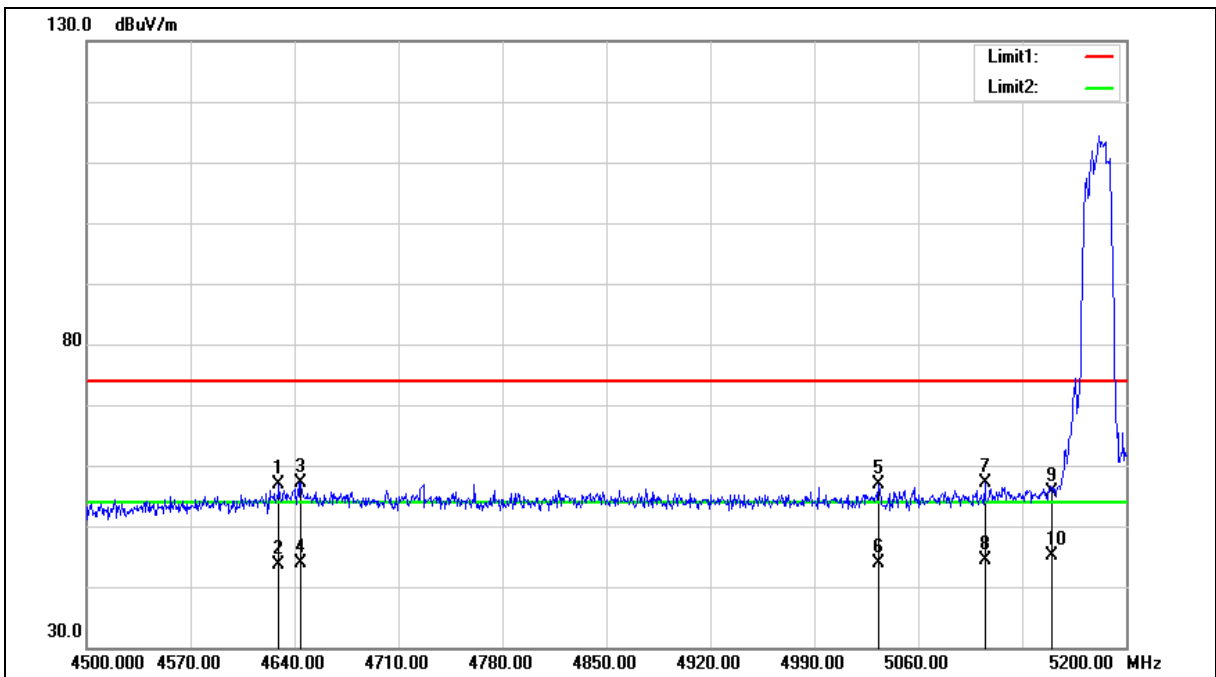
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5180 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:	DC 48 V
Frequency:	5180 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	4629.500	52.03	4.97	57.00	74.00	-17.00	peak
2	4629.500	38.55	4.97	43.52	54.00	-10.48	AVG
3	4644.200	52.20	5.01	57.21	74.00	-16.79	peak
4	4644.200	38.76	5.01	43.77	54.00	-10.23	AVG
5	5033.400	51.05	5.80	56.85	74.00	-17.15	peak
6	5033.400	38.06	5.80	43.86	54.00	-10.14	AVG
7	5104.800	51.13	5.97	57.10	74.00	-16.90	peak
8	5104.800	38.43	5.97	44.40	54.00	-9.60	AVG
9	5150.000	49.58	6.07	55.65	74.00	-18.35	peak
10	5150.000	39.09	6.07	45.16	54.00	-8.84	AVG

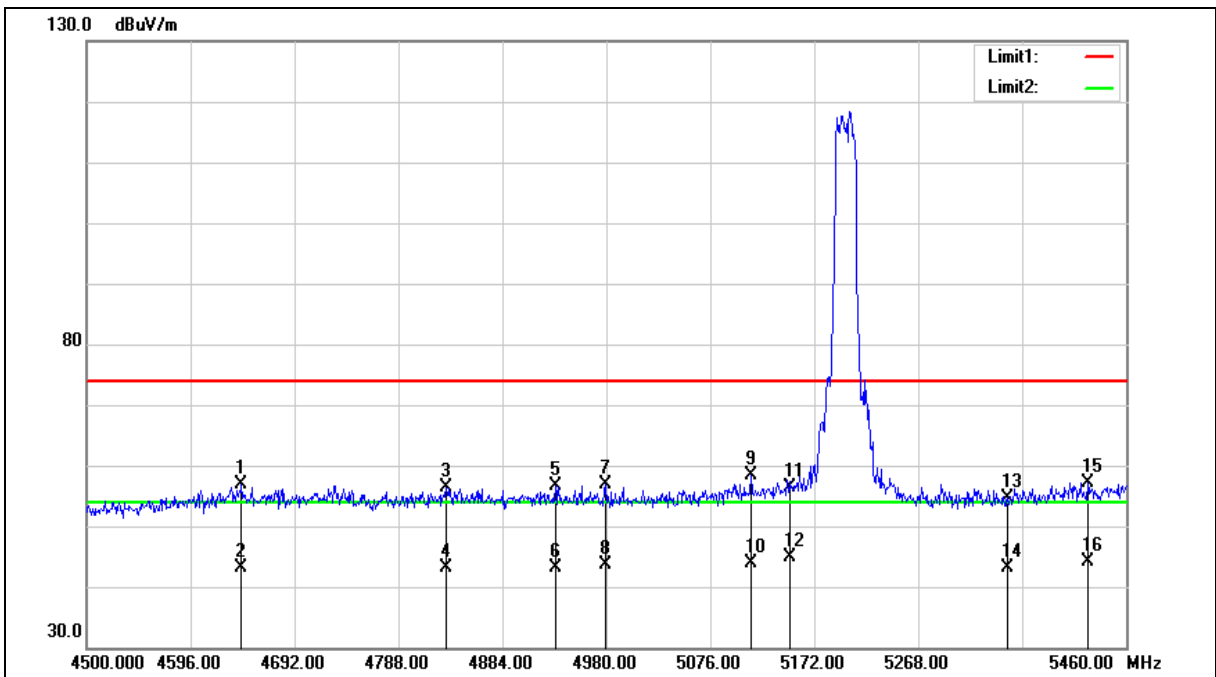
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5200 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:	DC 48 V
Frequency:	5200 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	4643.040	51.92	5.01	56.93	74.00	-17.07	peak
2	4643.040	38.20	5.01	43.21	54.00	-10.79	AVG
3	4832.160	50.89	5.38	56.27	74.00	-17.73	peak
4	4832.160	37.70	5.38	43.08	54.00	-10.92	AVG
5	4932.960	50.97	5.60	56.57	74.00	-17.43	peak
6	4932.960	37.51	5.60	43.11	54.00	-10.89	AVG
7	4979.040	51.08	5.69	56.77	74.00	-17.23	peak
8	4979.040	37.89	5.69	43.58	54.00	-10.42	AVG
9	5113.440	52.30	5.99	58.29	74.00	-15.71	peak
10	5113.440	37.90	5.99	43.89	54.00	-10.11	AVG
11	5150.000	50.43	6.07	56.50	74.00	-17.50	peak
12	5150.000	38.89	6.07	44.96	54.00	-9.04	AVG
13	5350.000	48.09	6.52	54.61	74.00	-19.39	peak
14	5350.000	36.63	6.52	43.15	54.00	-10.85	AVG
15	5424.480	50.41	6.69	57.10	74.00	-16.90	peak
16	5424.480	37.56	6.69	44.25	54.00	-9.75	AVG

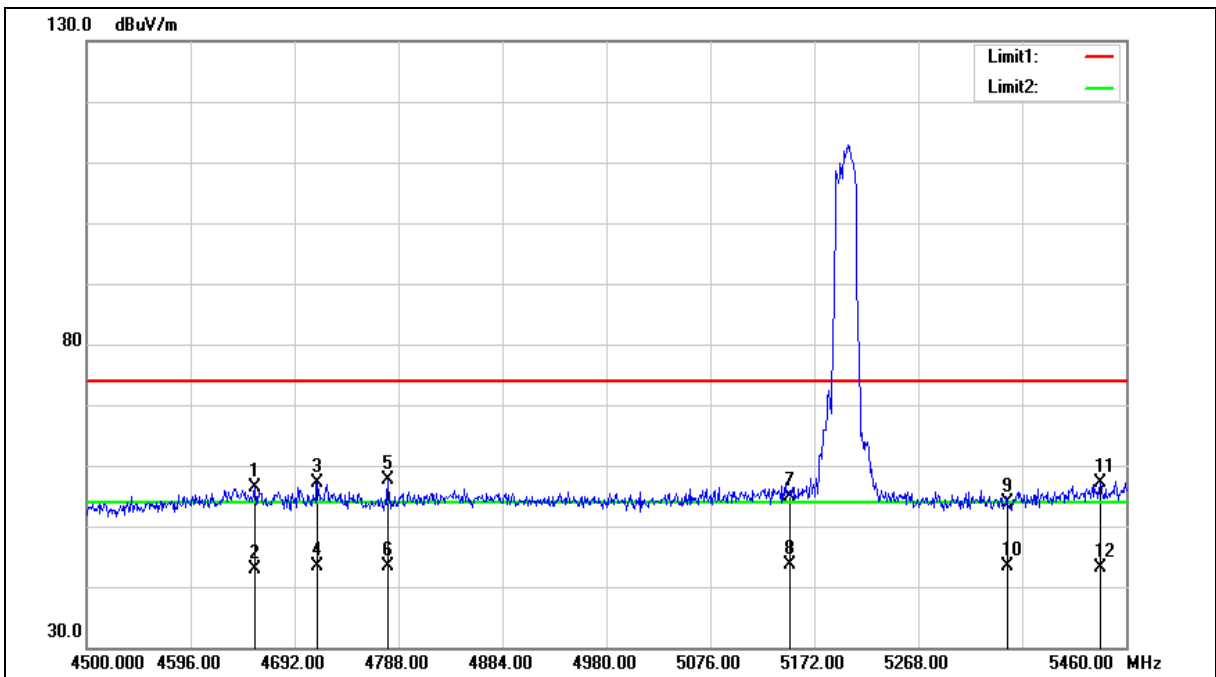
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	DC 48 V
Frequency:	5200 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:	DC 48 V
Frequency:	5200 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	4655.520	51.34	5.02	56.36	74.00	-17.64	peak
2	4655.520	37.96	5.02	42.98	54.00	-11.02	AVG
3	4713.120	51.87	5.15	57.02	74.00	-16.98	peak
4	4713.120	38.23	5.15	43.38	54.00	-10.62	AVG
5	4778.400	52.36	5.28	57.64	74.00	-16.36	peak
6	4778.400	38.21	5.28	43.49	54.00	-10.51	AVG
7	5150.000	48.78	6.07	54.85	74.00	-19.15	peak
8	5150.000	37.65	6.07	43.72	54.00	-10.28	AVG
9	5350.000	47.46	6.52	53.98	74.00	-20.02	peak
10	5350.000	36.81	6.52	43.33	54.00	-10.67	AVG
11	5436.000	50.42	6.71	57.13	74.00	-16.87	peak
12	5436.000	36.44	6.71	43.15	54.00	-10.85	AVG

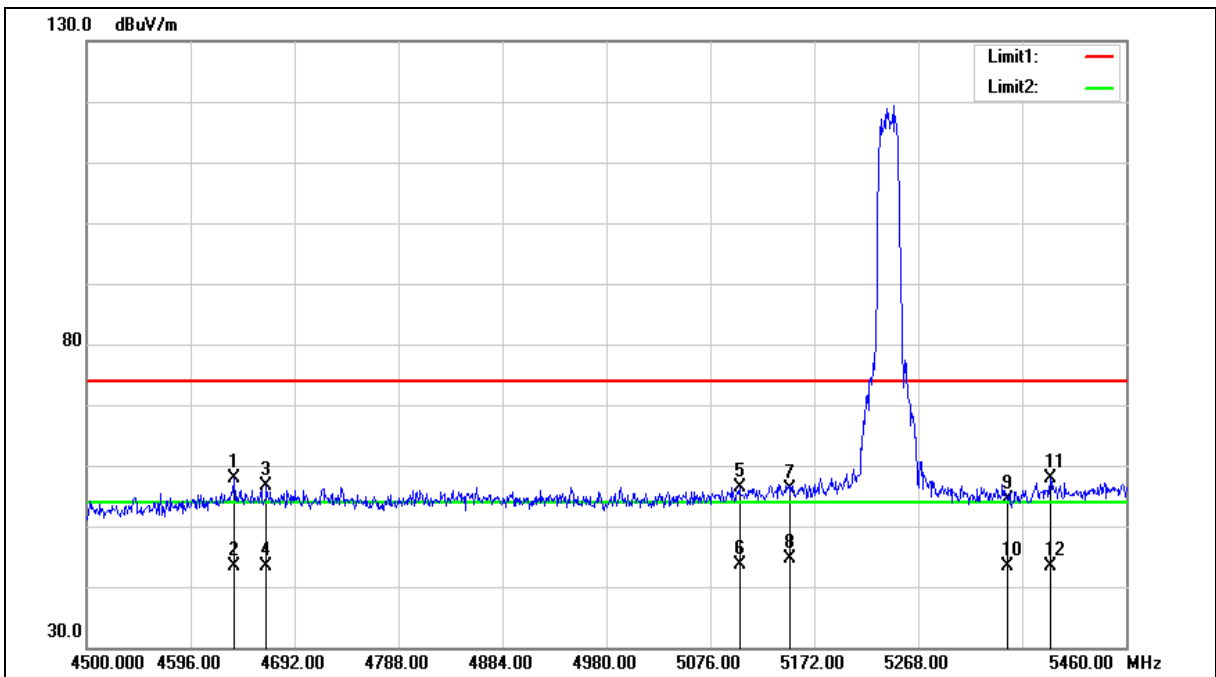
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5240 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:	DC 48 V
Frequency:	5240 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	4636.320	52.78	4.99	57.77	74.00	-16.23	peak
2	4636.320	38.47	4.99	43.46	54.00	-10.54	AVG
3	4666.080	51.47	5.04	56.51	74.00	-17.49	peak
4	4666.080	38.43	5.04	43.47	54.00	-10.53	AVG
5	5102.880	50.50	5.97	56.47	74.00	-17.53	peak
6	5102.880	37.55	5.97	43.52	54.00	-10.48	AVG
7	5150.000	50.10	6.07	56.17	74.00	-17.83	peak
8	5150.000	38.56	6.07	44.63	54.00	-9.37	AVG
9	5350.000	47.89	6.52	54.41	74.00	-19.59	peak
10	5350.000	36.96	6.52	43.48	54.00	-10.52	AVG
11	5389.920	51.22	6.61	57.83	74.00	-16.17	peak
12	5389.920	36.75	6.61	43.36	54.00	-10.64	AVG

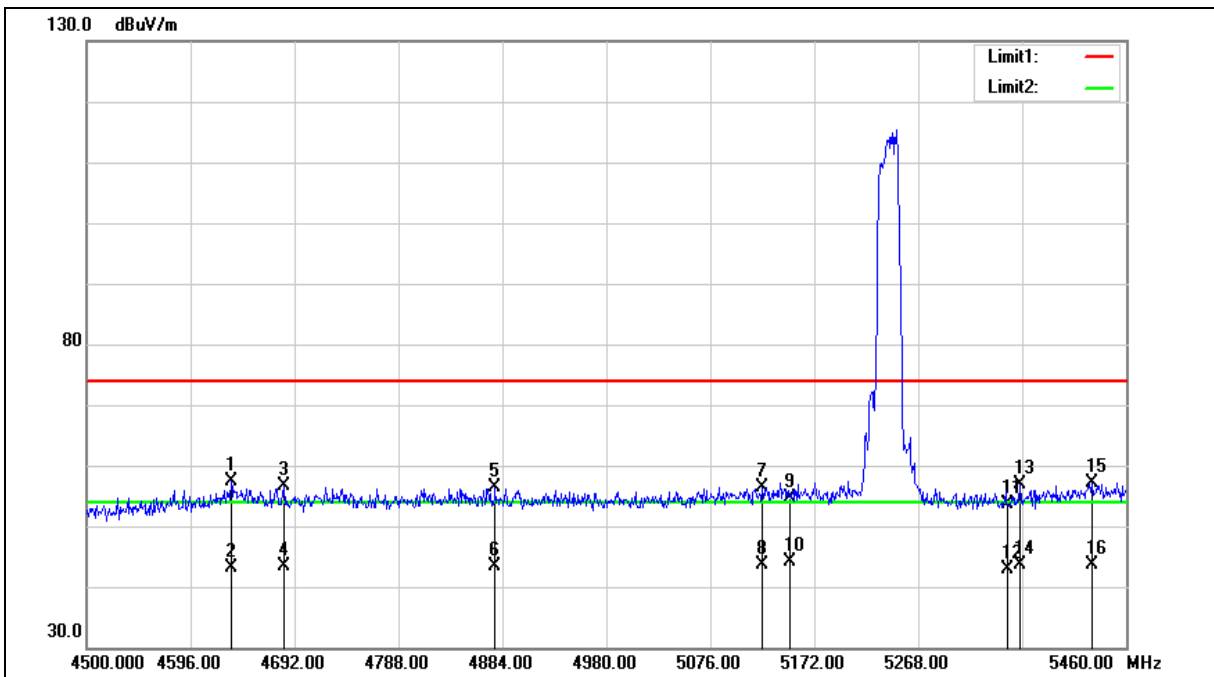
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5240 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:	DC 48 V
Frequency:	5240 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	52.27	4.99	57.26	74.00	-16.74	peak
2	4633.440	38.13	4.99	43.12	54.00	-10.88	AVG
3	4682.400	51.58	5.07	56.65	74.00	-17.35	peak
4	4682.400	38.31	5.07	43.38	54.00	-10.62	AVG
5	4877.280	50.87	5.47	56.34	74.00	-17.66	peak
6	4877.280	37.95	5.47	43.42	54.00	-10.58	AVG
7	5124.000	50.45	6.01	56.46	74.00	-17.54	peak
8	5124.000	37.52	6.01	43.53	54.00	-10.47	AVG
9	5150.000	48.60	6.07	54.67	74.00	-19.33	peak
10	5150.000	38.10	6.07	44.17	54.00	-9.83	AVG
11	5350.000	47.11	6.52	53.63	74.00	-20.37	peak
12	5350.000	36.47	6.52	42.99	54.00	-11.01	AVG
13	5362.080	50.32	6.54	56.86	74.00	-17.14	peak
14	5362.080	37.01	6.54	43.55	54.00	-10.45	AVG
15	5428.320	50.35	6.70	57.05	74.00	-16.95	peak
16	5428.320	36.91	6.70	43.61	54.00	-10.39	AVG

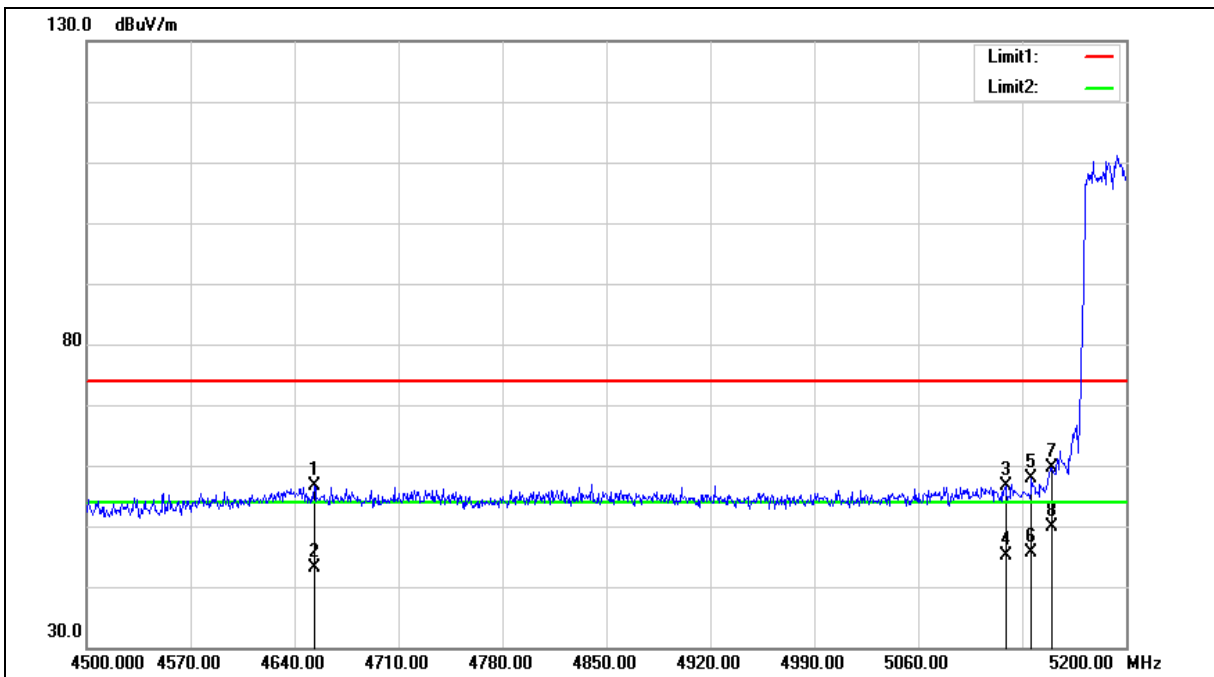
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5190 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:	DC 48 V
Frequency:	5190 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	4653.300	51.49	5.02	56.51	74.00	-17.49	peak
2	4653.300	38.15	5.02	43.17	54.00	-10.83	AVG
3	5118.800	50.62	6.00	56.62	74.00	-17.38	peak
4	5118.800	39.20	6.00	45.20	54.00	-8.80	AVG
5	5136.300	51.84	6.04	57.88	74.00	-16.12	peak
6	5136.300	39.68	6.04	45.72	54.00	-8.28	AVG
7	5150.000	53.53	6.07	59.60	74.00	-14.40	peak
8	5150.000	43.74	6.07	49.81	54.00	-4.19	AVG

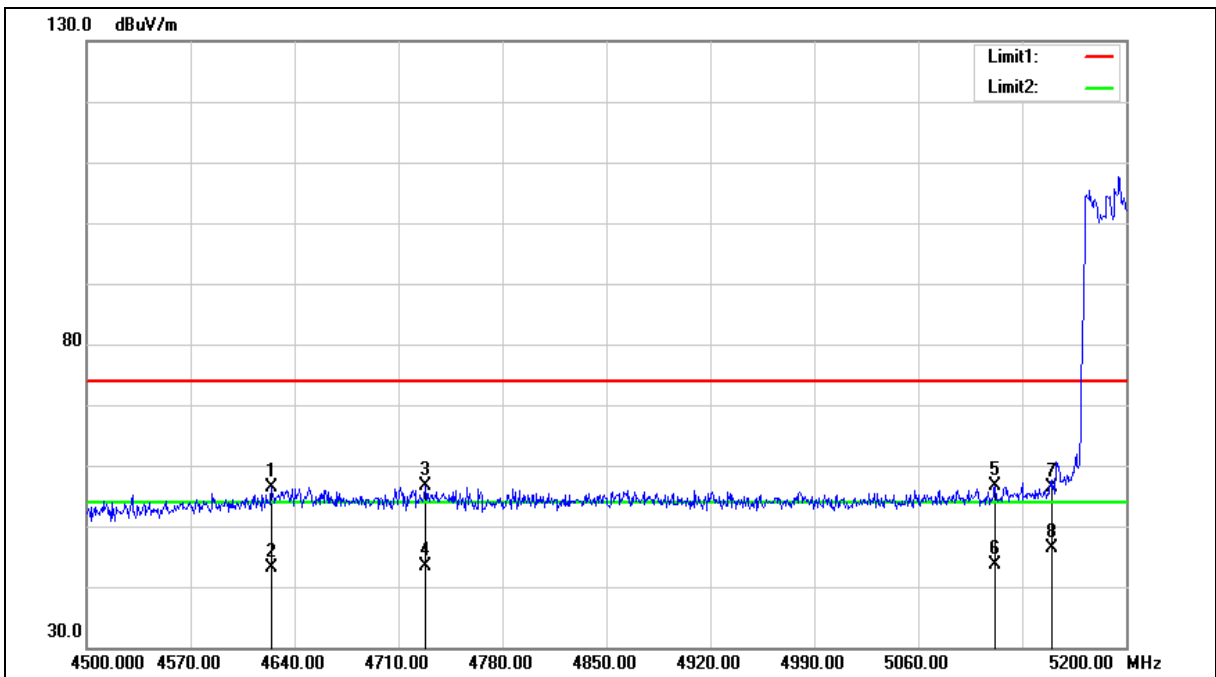
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5190 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:	DC 48 V
Frequency:	5190 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	4624.600	51.45	4.96	56.41	74.00	-17.59	peak
2	4624.600	38.19	4.96	43.15	54.00	-10.85	AVG
3	4728.200	51.46	5.18	56.64	74.00	-17.36	peak
4	4728.200	38.26	5.18	43.44	54.00	-10.56	AVG
5	5111.800	50.56	5.98	56.54	74.00	-17.46	peak
6	5111.800	37.65	5.98	43.63	54.00	-10.37	AVG
7	5150.000	50.34	6.07	56.41	74.00	-17.59	peak
8	5150.000	40.32	6.07	46.39	54.00	-7.61	AVG

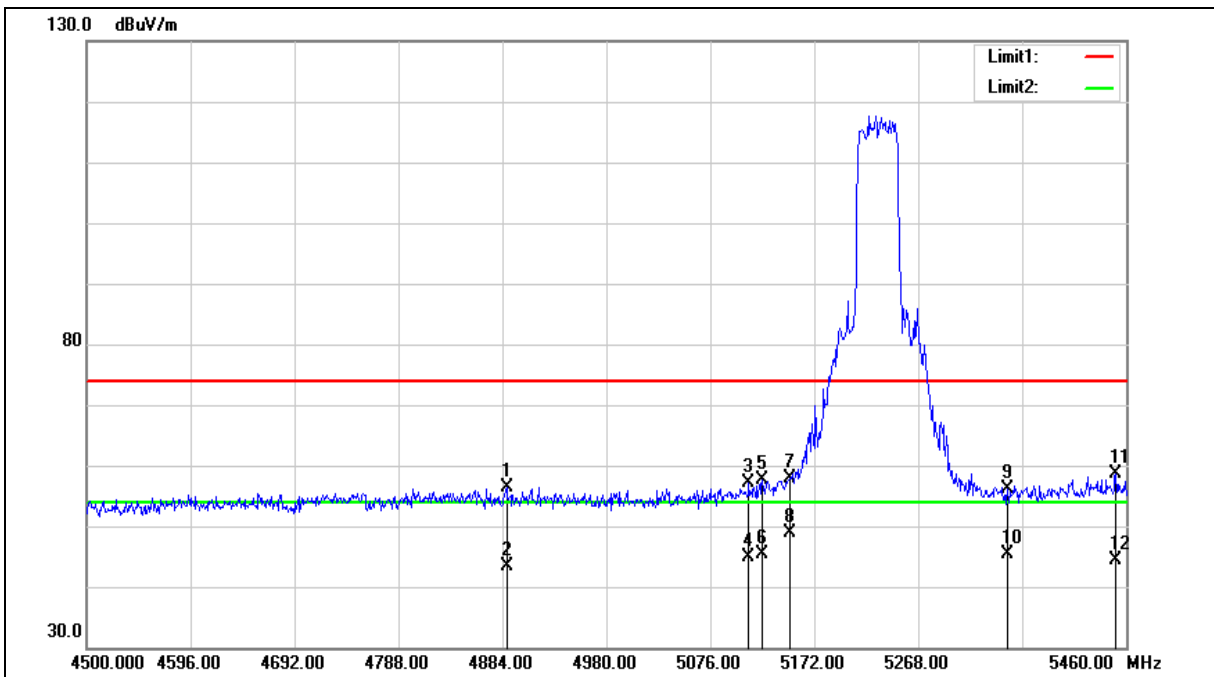
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5230 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:	DC 48 V
Frequency:	5230 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	4887.840	50.85	5.50	56.35	74.00	-17.65	peak
2	4887.840	37.81	5.50	43.31	54.00	-10.69	AVG
3	5111.520	51.10	5.98	57.08	74.00	-16.92	peak
4	5111.520	38.79	5.98	44.77	54.00	-9.23	AVG
5	5124.000	51.68	6.01	57.69	74.00	-16.31	peak
6	5124.000	39.31	6.01	45.32	54.00	-8.68	AVG
7	5150.000	51.79	6.07	57.86	74.00	-16.14	peak
8	5150.000	42.82	6.07	48.89	54.00	-5.11	AVG
9	5350.000	49.61	6.52	56.13	74.00	-17.87	peak
10	5350.000	38.74	6.52	45.26	54.00	-8.74	AVG
11	5450.400	51.82	6.75	58.57	74.00	-15.43	peak
12	5450.400	37.63	6.75	44.38	54.00	-9.62	AVG

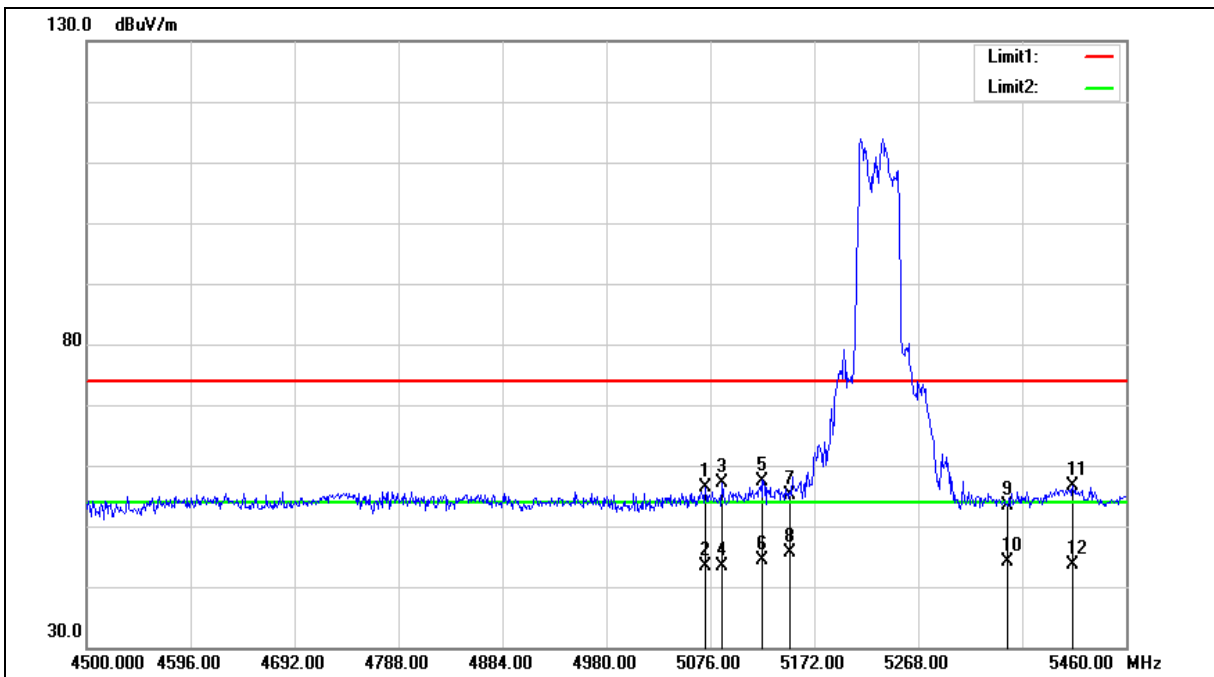
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5230 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:	DC 48 V
Frequency:	5230 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	5071.772	50.47	5.89	56.36	74.00	-17.64	peak
2	5071.772	37.49	5.89	43.38	54.00	-10.62	AVG
3	5087.147	51.19	5.93	57.12	74.00	-16.88	peak
4	5087.147	37.36	5.93	43.29	54.00	-10.71	AVG
5	5124.625	51.49	6.01	57.50	74.00	-16.50	peak
6	5124.625	38.40	6.01	44.41	54.00	-9.59	AVG
7	5150.000	48.96	6.07	55.03	74.00	-18.97	peak
8	5150.000	39.59	6.07	45.66	54.00	-8.34	AVG
9	5350.000	46.85	6.52	53.37	74.00	-20.63	peak
10	5350.000	37.64	6.52	44.16	54.00	-9.84	AVG
11	5410.991	49.94	6.65	56.59	74.00	-17.41	peak
12	5410.991	36.87	6.65	43.52	54.00	-10.48	AVG

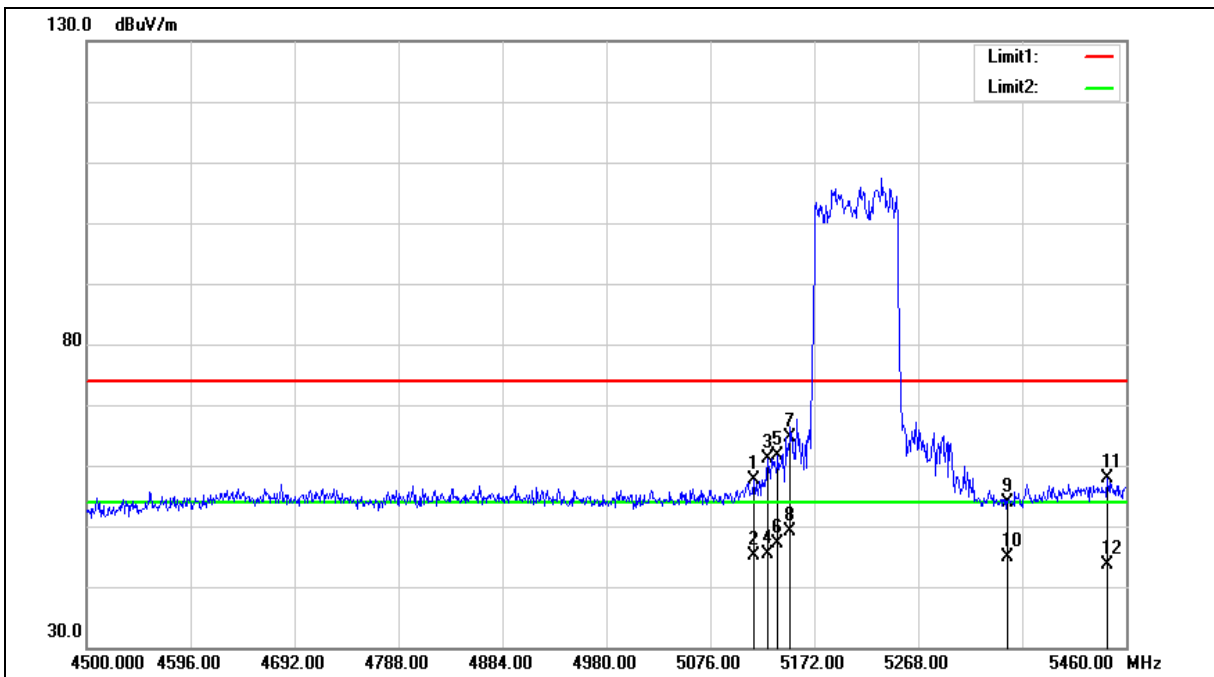
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5210 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:	DC 48 V
Frequency:	5210 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	5116.320	51.68	6.00	57.68	74.00	-16.32	peak
2	5116.320	39.12	6.00	45.12	54.00	-8.88	AVG
3	5128.800	55.21	6.02	61.23	74.00	-12.77	peak
4	5128.800	39.36	6.02	45.38	54.00	-8.62	AVG
5	5138.400	55.66	6.05	61.71	74.00	-12.29	peak
6	5138.400	41.10	6.05	47.15	54.00	-6.85	AVG
7	5150.000	58.68	6.07	64.75	74.00	-9.25	peak
8	5150.000	43.03	6.07	49.10	54.00	-4.90	AVG
9	5350.000	47.34	6.52	53.86	74.00	-20.14	peak
10	5350.000	38.34	6.52	44.86	54.00	-9.14	AVG
11	5442.720	51.06	6.74	57.80	74.00	-16.20	peak
12	5442.720	36.78	6.74	43.52	54.00	-10.48	AVG

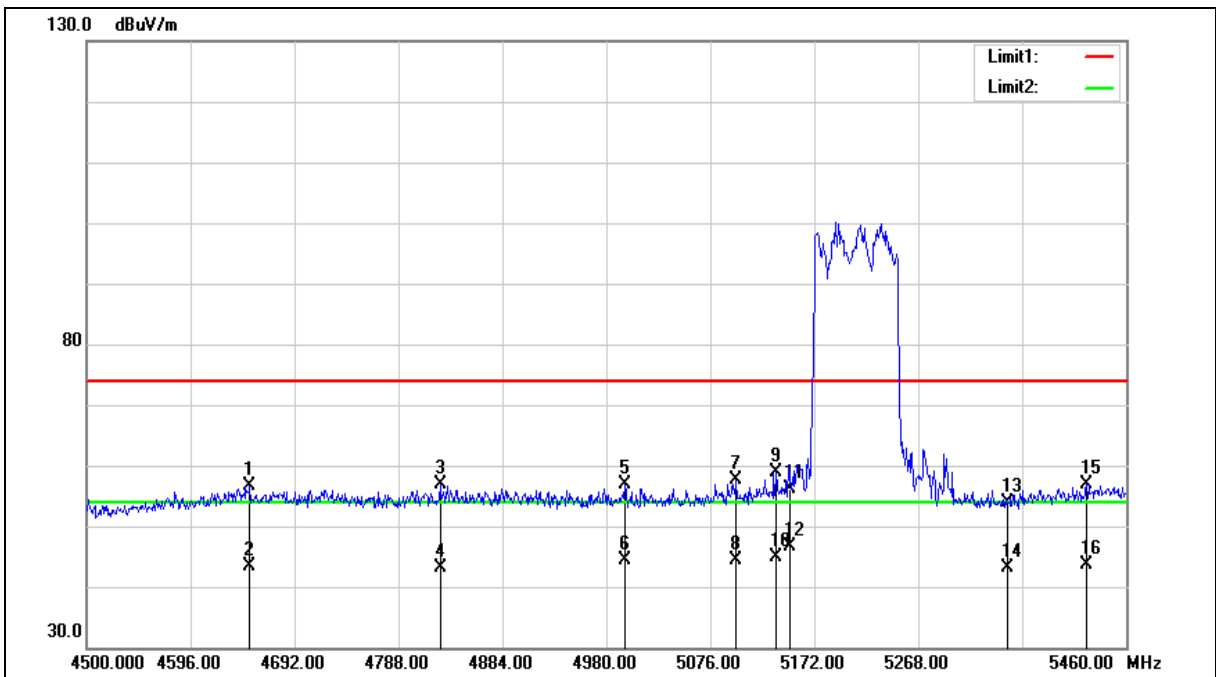
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	DC 48 V
Frequency:	5210 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:	DC 48 V
Frequency:	5210 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	4650.720	51.72	5.01	56.73	74.00	-17.27	peak
2	4650.720	38.35	5.01	43.36	54.00	-10.64	AVG
3	4826.400	51.41	5.37	56.78	74.00	-17.22	peak
4	4826.400	37.71	5.37	43.08	54.00	-10.92	AVG
5	4997.280	51.18	5.72	56.90	74.00	-17.10	peak
6	4997.280	38.54	5.72	44.26	54.00	-9.74	AVG
7	5100.000	51.72	5.96	57.68	74.00	-16.32	peak
8	5100.000	38.41	5.96	44.37	54.00	-9.63	AVG
9	5136.480	52.88	6.04	58.92	74.00	-15.08	peak
10	5136.480	38.88	6.04	44.92	54.00	-9.08	AVG
11	5150.000	50.04	6.07	56.11	74.00	-17.89	peak
12	5150.000	40.63	6.07	46.70	54.00	-7.30	AVG
13	5350.000	47.48	6.52	54.00	74.00	-20.00	peak
14	5350.000	36.66	6.52	43.18	54.00	-10.82	AVG
15	5423.520	50.29	6.69	56.98	74.00	-17.02	peak
16	5423.520	37.06	6.69	43.75	54.00	-10.25	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.



5.3. Maximum Conducted Output Power Measurement

Test Mode		Mode 2: IEEE 802.11a Continuous TX mode										FCC Limit (dBm)
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	6 M	16.42	0.044	15.93	0.039	16.15	0.041	15.58	0.036	22.05	0.160	≤ 30
5200		16.50	0.045	16.11	0.041	16.36	0.043	15.41	0.035	22.14	0.164	
5220		16.61	0.046	16.23	0.042	16.32	0.043	15.45	0.035	22.19	0.166	
5240		16.73	0.047	16.36	0.043	16.55	0.045	15.51	0.036	22.33	0.171	

Test Mode		Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode										FCC Limit (dBm)
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	26 M	17.14	0.052	16.71	0.047	16.76	0.047	16.18	0.041	22.73	0.188	≤ 30
5200		17.32	0.054	16.80	0.048	16.93	0.049	16.06	0.040	22.82	0.191	
5220		17.41	0.055	16.98	0.050	16.96	0.050	16.13	0.041	22.91	0.196	
5240		17.40	0.055	16.99	0.050	17.04	0.051	16.34	0.043	22.98	0.199	

Test Mode		Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode										FCC Limit (dBm)
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	54 M	14.03	0.025	13.65	0.023	13.83	0.024	13.29	0.021	19.73	0.094	≤ 30
5230		19.61	0.091	18.89	0.077	19.04	0.080	18.35	0.068	25.02	0.317	

Test Mode		Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode										FCC Limit (dBm)
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5210	117.2 M	11.20	0.013	10.71	0.012	10.91	0.012	10.37	0.011	16.83	0.048	≤ 30

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-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	26 M	10.73	0.012	10.50	0.011	10.33	0.011	9.70	0.009	16.35	0.043	≤ 24.98
5200		10.88	0.012	10.39	0.011	10.62	0.012	9.61	0.009	16.42	0.044	
5220		11.01	0.013	10.48	0.011	10.55	0.011	9.68	0.009	16.48	0.044	
5240		11.05	0.013	10.55	0.011	10.81	0.012	9.97	0.010	16.63	0.046	

Test Mode		Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode										FCC Limit (dBm)
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	54 M	7.89	0.006	7.31	0.005	7.03	0.005	7.07	0.005	13.36	0.022	≤ 24.98
5230		12.94	0.020	12.36	0.017	12.48	0.018	11.82	0.015	18.44	0.070	

Test Mode		Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode										FCC Limit (dBm)
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5210	117.2 M	4.52	0.003	4.05	0.003	4.00	0.003	3.66	0.002	10.09	0.010	≤ 24.98

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



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

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5180	19.320	19.440	19.250	19.340
5200	19.390	19.280	19.350	19.720
5240	19.640	19.380	19.160	19.260
Frequency (MHz)	99 % Occupied Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5180	16.470	16.493	16.459	16.430
5200	16.474	16.491	16.460	16.450
5240	16.488	16.455	16.477	16.473

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5180	21.000	20.540	20.360	20.270
5200	20.430	20.370	20.460	20.360
5240	20.560	20.590	20.140	20.140
Frequency (MHz)	99 % Occupied Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5180	17.671	17.664	17.646	17.661
5200	17.681	17.658	17.674	17.647
5240	17.659	17.635	17.641	17.644

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



Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5190	40.210	40.360	40.030	40.300
5230	40.380	40.520	40.130	40.150
Frequency (MHz)	99 % Occupied Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5190	36.213	36.253	36.214	36.295
5230	36.272	36.297	36.349	36.296

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5210	80.140	79.950	80.210	80.120
Frequency (MHz)	99 % Occupied Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5210	75.658	75.579	75.634	75.627

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



Beamforming on

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5180	20.480	20.440	20.340	20.440
5200	20.420	20.300	20.150	20.390
5240	20.450	20.430	20.460	20.100
Frequency (MHz)	99 % Occupied Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5180	17.681	17.669	17.657	17.643
5200	17.659	17.662	17.660	17.637
5240	17.653	17.654	17.664	17.632

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5190	40.620	40.700	40.130	40.450
5230	40.410	40.320	40.160	40.330
Frequency (MHz)	99 % Occupied Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5190	36.263	36.255	36.264	36.319
5230	36.222	36.282	36.238	36.254

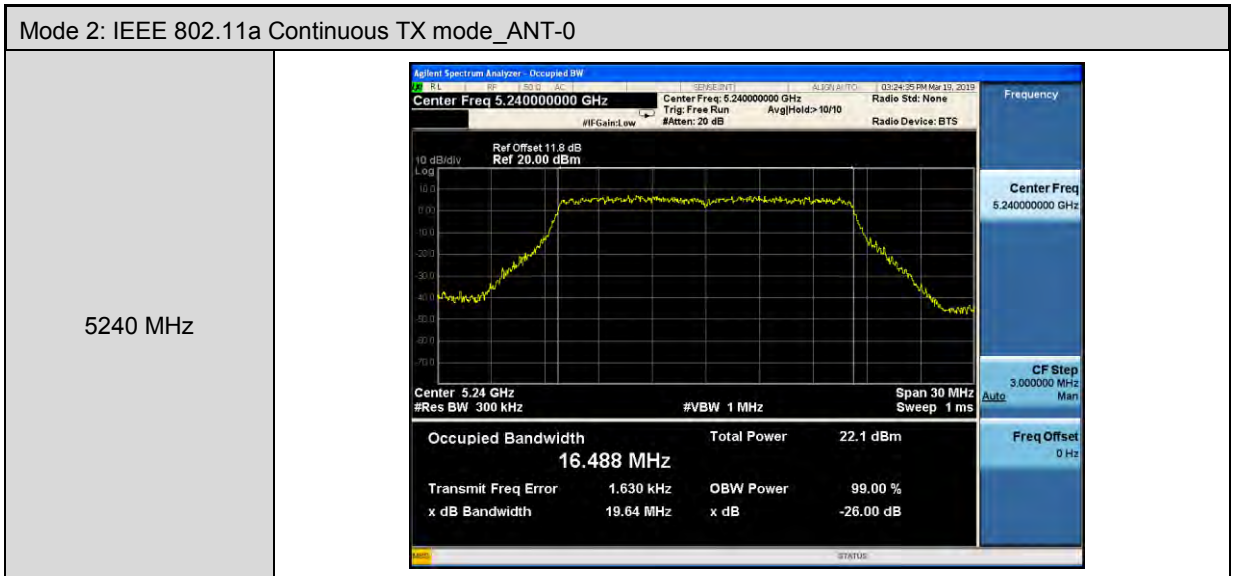
Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5210	80.210	80.130	80.150	80.080
Frequency (MHz)	99 % Occupied Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5210	75.699	75.628	75.608	75.629

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



■ Test Graphs

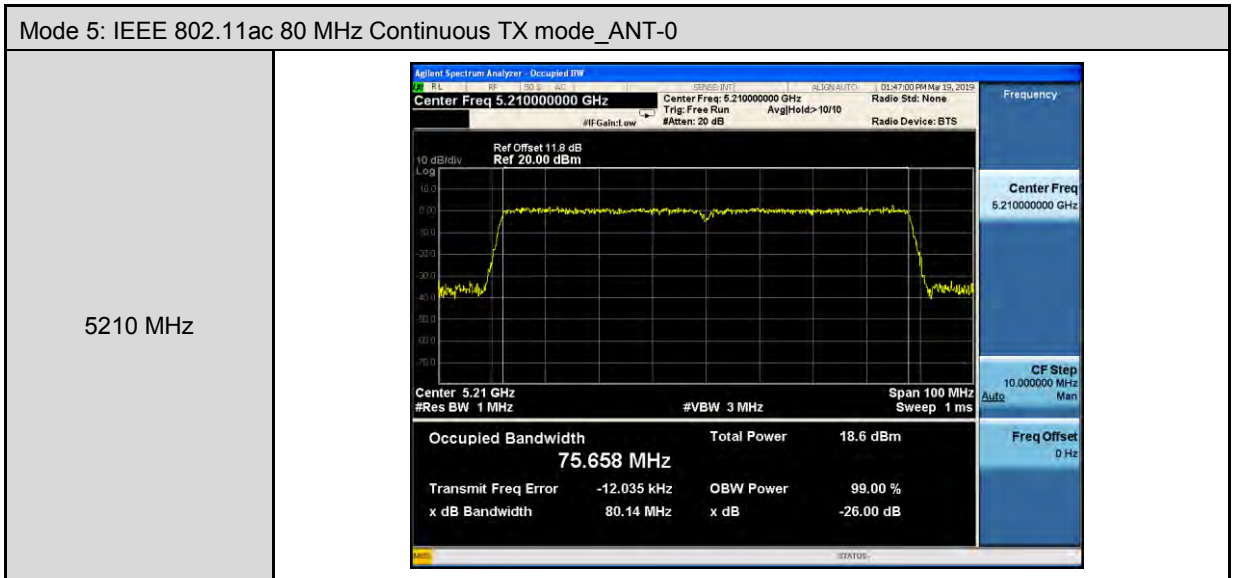






Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0	
5180 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 5.180000000 GHz</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.18 GHz #Res BW 300 kHz</p> <p>Occupied Bandwidth 17.671 MHz</p> <p>Total Power 23.0 dBm</p> <p>Transmit Freq Error -996 Hz</p> <p>x dB Bandwidth 21.00 MHz</p>
5200 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 5.200000000 GHz</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.2 GHz #Res BW 300 kHz</p> <p>Occupied Bandwidth 17.681 MHz</p> <p>Total Power 23.0 dBm</p> <p>Transmit Freq Error -2.794 kHz</p> <p>x dB Bandwidth 20.43 MHz</p>
5240 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 5.240000000 GHz</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.24 GHz #Res BW 300 kHz</p> <p>Occupied Bandwidth 17.659 MHz</p> <p>Total Power 23.0 dBm</p> <p>Transmit Freq Error -5.452 kHz</p> <p>x dB Bandwidth 20.56 MHz</p>



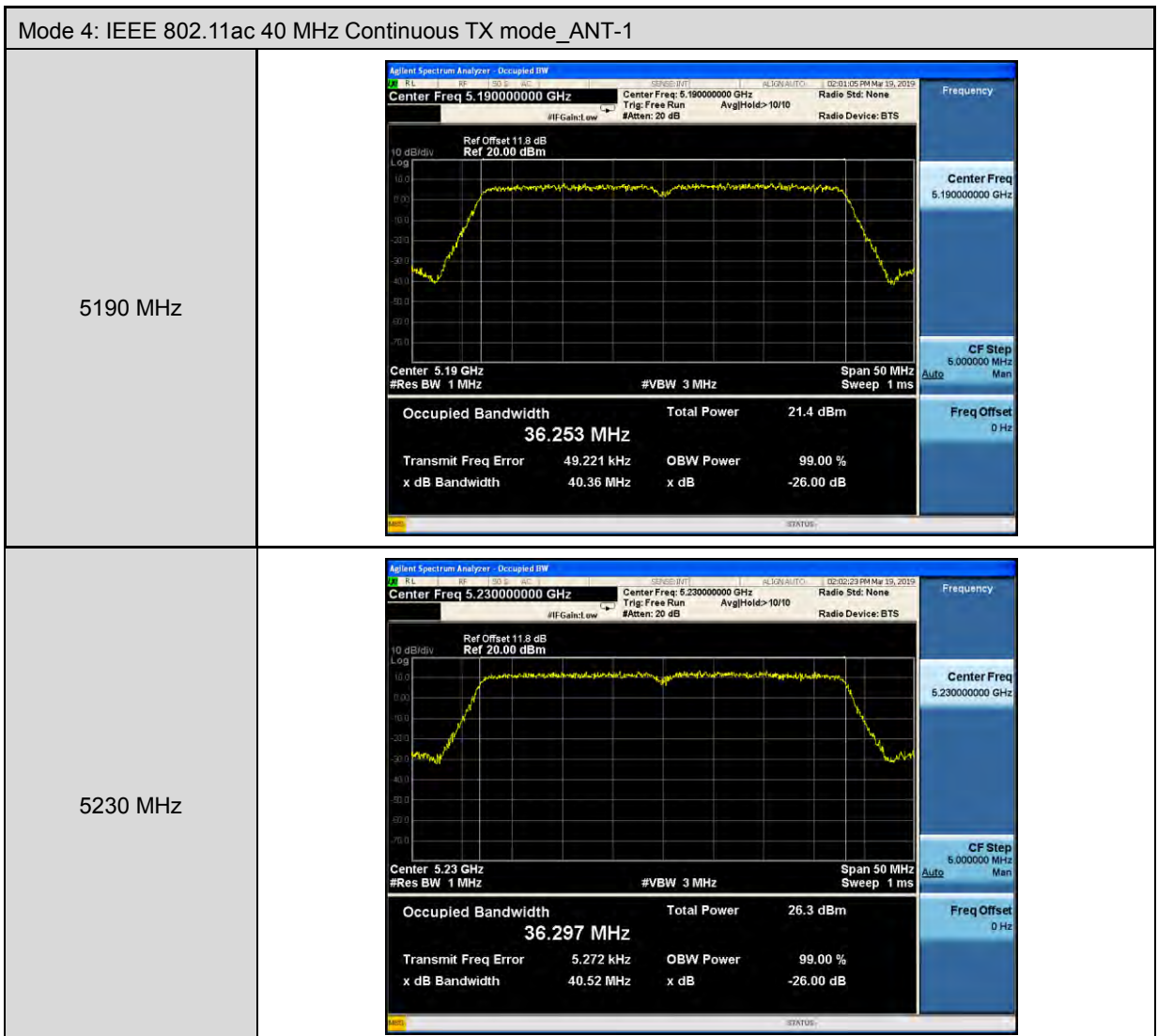


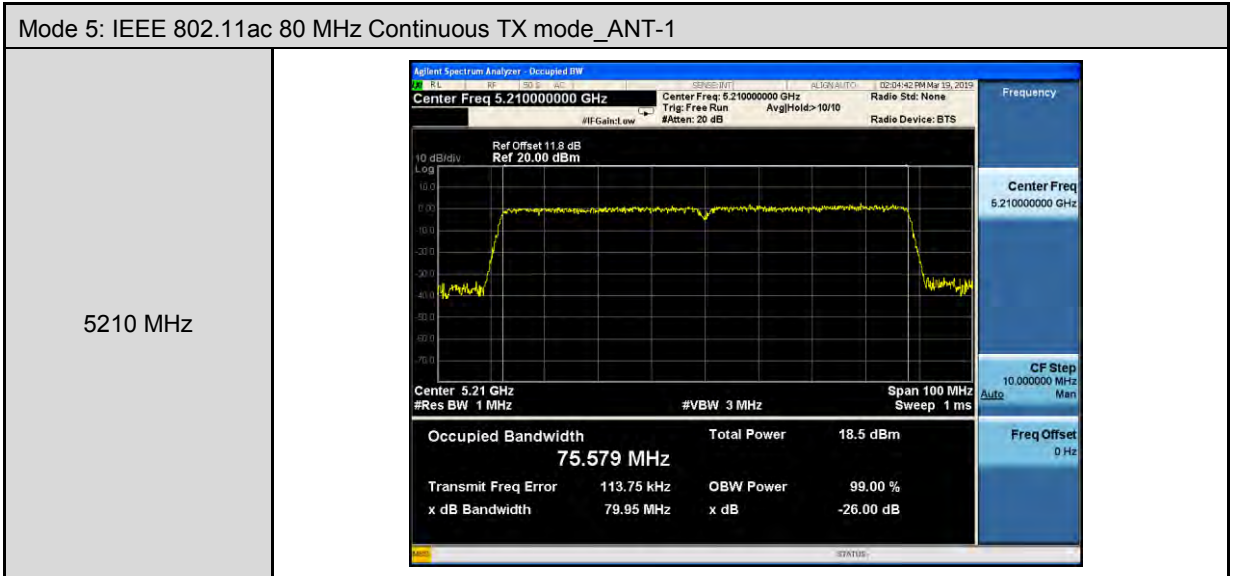


Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5180 MHz	<p>Center Freq 5.18000000 GHz</p> <p>Center Freq: 5.18000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: >10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 11.8 dB</p> <p>Ref 20.00 dBm</p> <p>Center 5.18 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 16.493 MHz</p> <p>Total Power 22.2 dBm</p> <p>Transmit Freq Error -2.776 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 19.44 MHz</p> <p>x dB -26.00 dB</p> <p>Center Freq 5.18000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
5200 MHz	<p>Center Freq 5.20000000 GHz</p> <p>Center Freq: 5.20000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: >10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 11.8 dB</p> <p>Ref 20.00 dBm</p> <p>Center 5.2 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 16.491 MHz</p> <p>Total Power 22.4 dBm</p> <p>Transmit Freq Error 9.063 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 19.28 MHz</p> <p>x dB -26.00 dB</p> <p>Center Freq 5.20000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
5240 MHz	<p>Center Freq 5.24000000 GHz</p> <p>Center Freq: 5.24000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: >10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 11.8 dB</p> <p>Ref 20.00 dBm</p> <p>Center 5.24 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 16.455 MHz</p> <p>Total Power 22.2 dBm</p> <p>Transmit Freq Error 6.421 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 19.38 MHz</p> <p>x dB -26.00 dB</p> <p>Center Freq 5.24000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5180 MHz	<p>Center Freq 5.18000000 GHz</p> <p>Center Freq: 5.18000000 GHz Trig: Free Run #Att: 20 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.18 GHz #Res BW 300 kHz</p> <p>#VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.664 MHz</p> <p>Total Power 23.1 dBm</p> <p>Transmit Freq Error -2.943 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.54 MHz</p> <p>x dB -26.00 dB</p> <p>Center Freq 5.18000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
5200 MHz	<p>Center Freq 5.20000000 GHz</p> <p>Center Freq: 5.20000000 GHz Trig: Free Run #Att: 20 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.2 GHz #Res BW 300 kHz</p> <p>#VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.658 MHz</p> <p>Total Power 23.2 dBm</p> <p>Transmit Freq Error 14.750 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.37 MHz</p> <p>x dB -26.00 dB</p> <p>Center Freq 5.20000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
5240 MHz	<p>Center Freq 5.24000000 GHz</p> <p>Center Freq: 5.24000000 GHz Trig: Free Run #Att: 20 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.24 GHz #Res BW 300 kHz</p> <p>#VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.635 MHz</p> <p>Total Power 23.2 dBm</p> <p>Transmit Freq Error 12.521 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.59 MHz</p> <p>x dB -26.00 dB</p> <p>Center Freq 5.24000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>



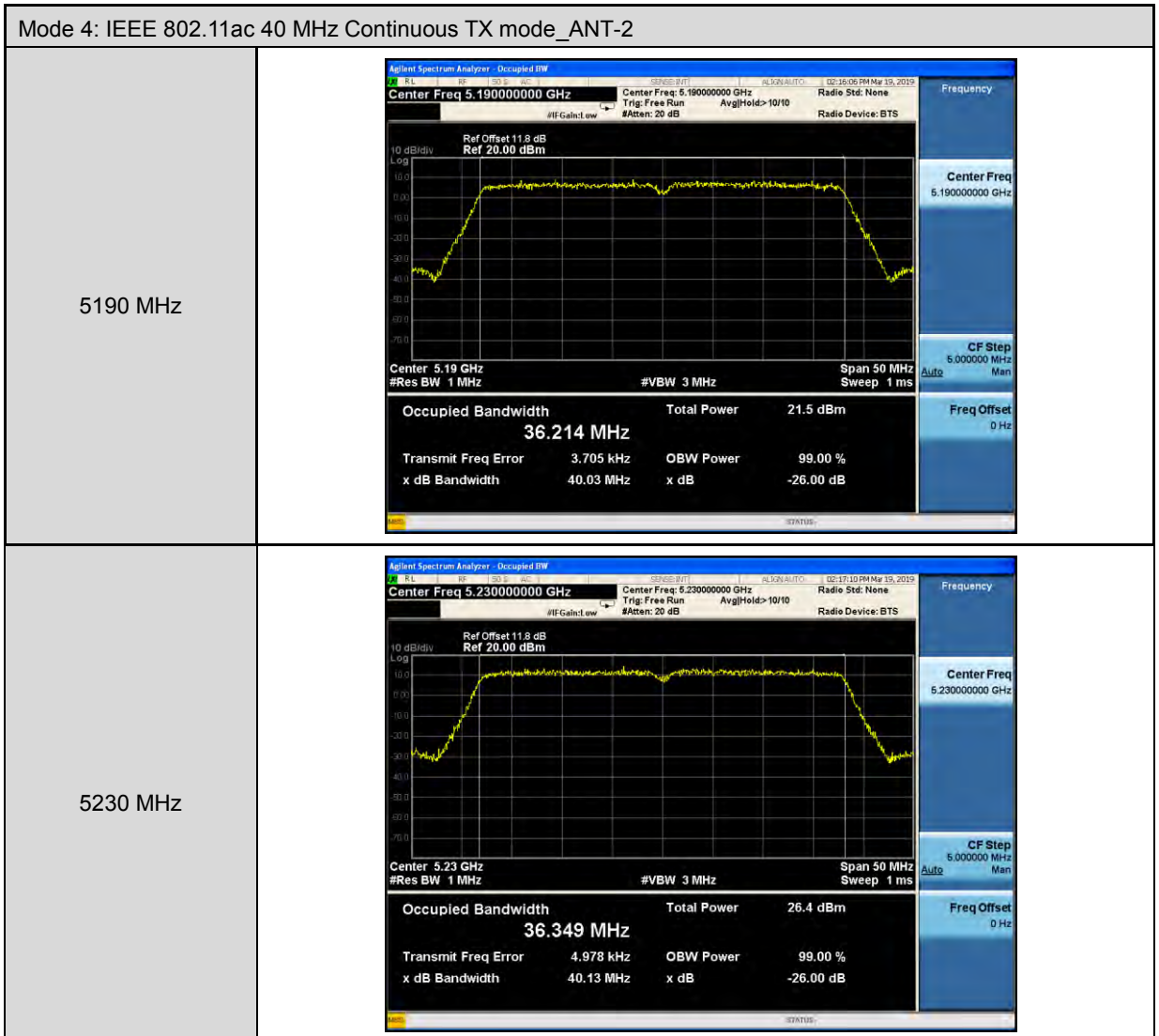


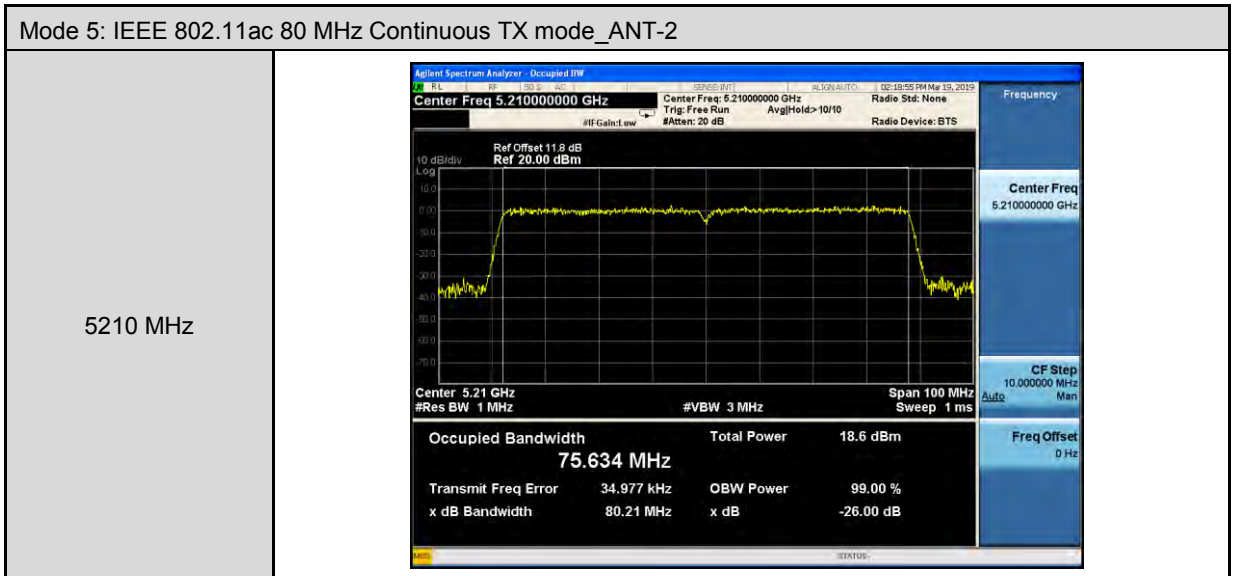


Mode 2: IEEE 802.11a Continuous TX mode_ANT-2	
5180 MHz	<p>Center Freq 5.18000000 GHz</p> <p>Center Freq: 5.18000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: >10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 11.8 dB</p> <p>Ref 20.00 dBm</p> <p>Center 5.18 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 16.459 MHz</p> <p>Total Power 22.4 dBm</p> <p>Transmit Freq Error -4.468 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 19.25 MHz</p> <p>x dB -26.00 dB</p> <p>Center Freq 5.18000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
5200 MHz	<p>Center Freq 5.20000000 GHz</p> <p>Center Freq: 5.20000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: >10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 11.8 dB</p> <p>Ref 20.00 dBm</p> <p>Center 5.2 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 16.460 MHz</p> <p>Total Power 22.3 dBm</p> <p>Transmit Freq Error 8.411 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 19.35 MHz</p> <p>x dB -26.00 dB</p> <p>Center Freq 5.20000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
5240 MHz	<p>Center Freq 5.24000000 GHz</p> <p>Center Freq: 5.24000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: >10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 11.8 dB</p> <p>Ref 20.00 dBm</p> <p>Center 5.24 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 16.477 MHz</p> <p>Total Power 22.4 dBm</p> <p>Transmit Freq Error 1.553 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 19.16 MHz</p> <p>x dB -26.00 dB</p> <p>Center Freq 5.24000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-2	
5180 MHz	<p>Center Freq 5.18000000 GHz</p> <p>Center Freq: 5.18000000 GHz</p> <p>Center 5.18 GHz</p> <p>Occupied Bandwidth 17.646 MHz</p> <p>Total Power 23.3 dBm</p> <p>Transmit Freq Error -3.095 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.36 MHz</p> <p>x dB -26.00 dB</p>
5200 MHz	<p>Center Freq 5.20000000 GHz</p> <p>Center Freq: 5.20000000 GHz</p> <p>Center 5.2 GHz</p> <p>Occupied Bandwidth 17.674 MHz</p> <p>Total Power 23.1 dBm</p> <p>Transmit Freq Error -8.998 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.46 MHz</p> <p>x dB -26.00 dB</p>
5240 MHz	<p>Center Freq 5.24000000 GHz</p> <p>Center Freq: 5.24000000 GHz</p> <p>Center 5.24 GHz</p> <p>Occupied Bandwidth 17.641 MHz</p> <p>Total Power 23.0 dBm</p> <p>Transmit Freq Error 8.143 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.14 MHz</p> <p>x dB -26.00 dB</p>





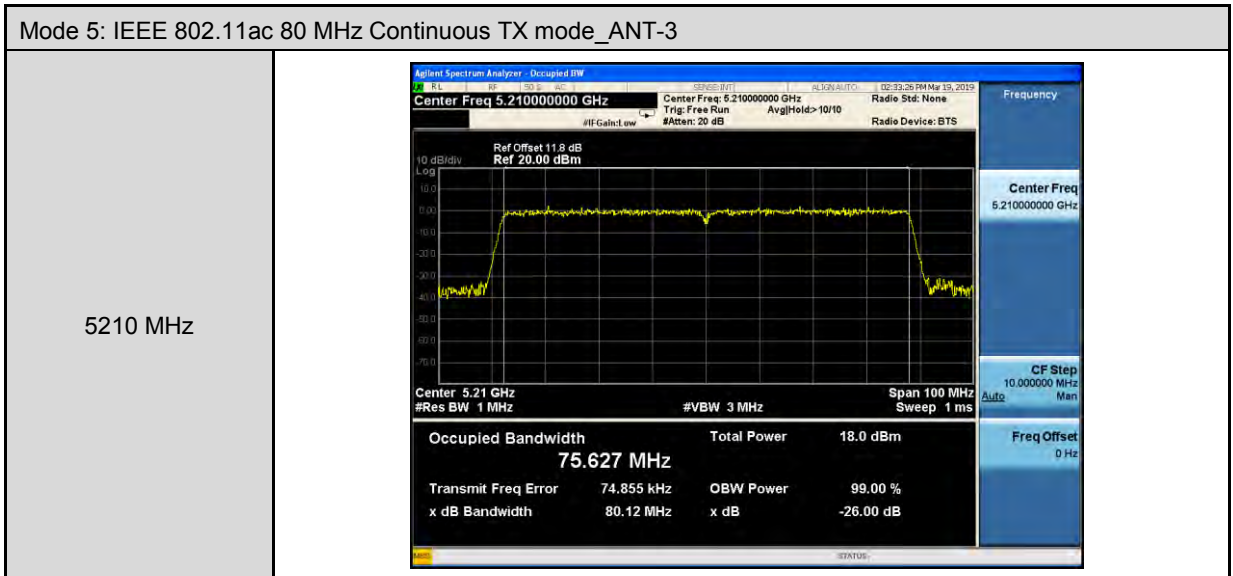


Mode 2: IEEE 802.11a Continuous TX mode_ANT-3	
5180 MHz	<p>Center Freq 5.18000000 GHz</p> <p>Center Freq: 5.18000000 GHz</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.18 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 16.430 MHz</p> <p>Total Power 21.8 dBm</p> <p>Transmit Freq Error -5.864 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 19.34 MHz</p> <p>x dB -26.00 dB</p> <p>Center Freq 5.18000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
5200 MHz	<p>Center Freq 5.20000000 GHz</p> <p>Center Freq: 5.20000000 GHz</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.2 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 16.450 MHz</p> <p>Total Power 21.5 dBm</p> <p>Transmit Freq Error 3.680 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 19.72 MHz</p> <p>x dB -26.00 dB</p> <p>Center Freq 5.20000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
5240 MHz	<p>Center Freq 5.24000000 GHz</p> <p>Center Freq: 5.24000000 GHz</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.24 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 16.473 MHz</p> <p>Total Power 21.5 dBm</p> <p>Transmit Freq Error -4.777 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 19.26 MHz</p> <p>x dB -26.00 dB</p> <p>Center Freq 5.24000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-3	
5180 MHz	<p>Center Freq 5.18000000 GHz</p> <p>Center Freq: 5.18000000 GHz</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.18 GHz #Res BW 300 kHz</p> <p>Occupied Bandwidth 17.661 MHz</p> <p>Total Power 22.4 dBm</p> <p>Transmit Freq Error 5.577 kHz</p> <p>x dB Bandwidth 20.27 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>
5200 MHz	<p>Center Freq 5.20000000 GHz</p> <p>Center Freq: 5.20000000 GHz</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.2 GHz #Res BW 300 kHz</p> <p>Occupied Bandwidth 17.647 MHz</p> <p>Total Power 22.3 dBm</p> <p>Transmit Freq Error 9.951 kHz</p> <p>x dB Bandwidth 20.36 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>
5240 MHz	<p>Center Freq 5.24000000 GHz</p> <p>Center Freq: 5.24000000 GHz</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.24 GHz #Res BW 300 kHz</p> <p>Occupied Bandwidth 17.644 MHz</p> <p>Total Power 22.3 dBm</p> <p>Transmit Freq Error 11.119 kHz</p> <p>x dB Bandwidth 20.14 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>







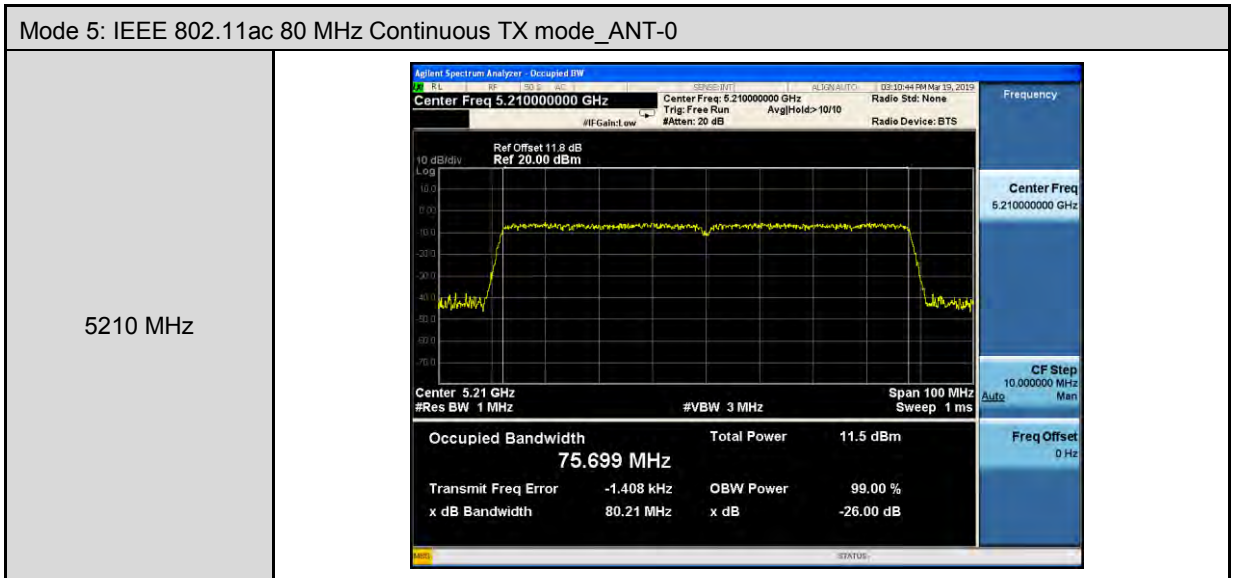
Beamforming on

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

5180 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 5.180000000 GHz Center Freq: 5.180000000 GHz Radio Std: None</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.18 GHz Span 30 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 1 ms</p> <p>Occupied Bandwidth Total Power 16.6 dBm</p> <p>17.681 MHz</p> <p>Transmit Freq Error -2.539 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 20.48 MHz x dB -26.00 dB</p>
5200 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 5.200000000 GHz Center Freq: 5.200000000 GHz Radio Std: None</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.2 GHz Span 30 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 1 ms</p> <p>Occupied Bandwidth Total Power 16.7 dBm</p> <p>17.659 MHz</p> <p>Transmit Freq Error -5.721 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 20.42 MHz x dB -26.00 dB</p>
5240 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 5.240000000 GHz Center Freq: 5.240000000 GHz Radio Std: None</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.24 GHz Span 30 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 1 ms</p> <p>Occupied Bandwidth Total Power 16.5 dBm</p> <p>17.653 MHz</p> <p>Transmit Freq Error -7.398 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 20.45 MHz x dB -26.00 dB</p>



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0	
5190 MHz	<p>Center Freq 5.190000000 GHz</p> <p>Center Freq: 5.190000000 GHz Trig: Free Run #Attenu: 20 dB</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.19 GHz #Res BW 1 MHz</p> <p>Span 50 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 36.263 MHz</p> <p>Total Power 14.8 dBm</p> <p>Transmit Freq Error -24.929 kHz</p> <p>x dB Bandwidth 40.62 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>
5230 MHz	<p>Center Freq 5.230000000 GHz</p> <p>Center Freq: 5.230000000 GHz Trig: Free Run #Attenu: 20 dB</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.23 GHz #Res BW 1 MHz</p> <p>Span 50 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 36.222 MHz</p> <p>Total Power 19.5 dBm</p> <p>Transmit Freq Error -814 Hz</p> <p>x dB Bandwidth 40.41 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>

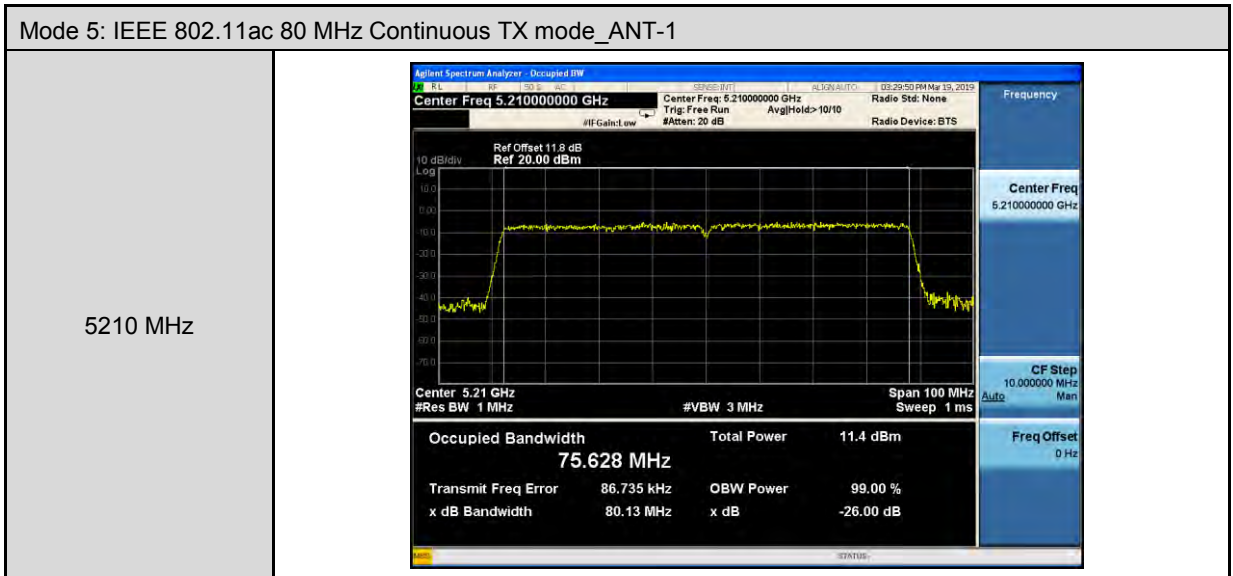




Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5180 MHz	<p>Center Freq 5.18000000 GHz</p> <p>Center Freq: 5.18000000 GHz</p> <p>Center 5.18 GHz</p> <p>Occupied Bandwidth 17.669 MHz</p> <p>Total Power 16.5 dBm</p> <p>Transmit Freq Error 14.913 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.44 MHz</p> <p>x dB -26.00 dB</p>
5200 MHz	<p>Center Freq 5.20000000 GHz</p> <p>Center Freq: 5.20000000 GHz</p> <p>Center 5.2 GHz</p> <p>Occupied Bandwidth 17.662 MHz</p> <p>Total Power 16.4 dBm</p> <p>Transmit Freq Error -3.578 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.30 MHz</p> <p>x dB -26.00 dB</p>
5240 MHz	<p>Center Freq 5.24000000 GHz</p> <p>Center Freq: 5.24000000 GHz</p> <p>Center 5.24 GHz</p> <p>Occupied Bandwidth 17.654 MHz</p> <p>Total Power 16.5 dBm</p> <p>Transmit Freq Error 6.740 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.43 MHz</p> <p>x dB -26.00 dB</p>



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1																			
5190 MHz	<p>Center Freq 5.19000000 GHz</p> <p>Center Freq: 5.19000000 GHz Trig: Free Run AvalHold: >10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.19 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>14.8 dBm</td> </tr> <tr> <td>36.255 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>38.564 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>40.70 MHz</td> <td></td> <td></td> </tr> </table> <p>Center Freq 5.19000000 GHz</p> <p>CF Step 5.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>	Occupied Bandwidth	Total Power	14.8 dBm	36.255 MHz			Transmit Freq Error	OBW Power	99.00 %	38.564 kHz	x dB	-26.00 dB	x dB Bandwidth			40.70 MHz		
Occupied Bandwidth	Total Power	14.8 dBm																	
36.255 MHz																			
Transmit Freq Error	OBW Power	99.00 %																	
38.564 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
40.70 MHz																			
5230 MHz	<p>Center Freq 5.23000000 GHz</p> <p>Center Freq: 5.23000000 GHz Trig: Free Run AvalHold: >10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.23 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>19.7 dBm</td> </tr> <tr> <td>36.282 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>31.617 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>40.32 MHz</td> <td></td> <td></td> </tr> </table> <p>Center Freq 5.23000000 GHz</p> <p>CF Step 5.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>	Occupied Bandwidth	Total Power	19.7 dBm	36.282 MHz			Transmit Freq Error	OBW Power	99.00 %	31.617 kHz	x dB	-26.00 dB	x dB Bandwidth			40.32 MHz		
Occupied Bandwidth	Total Power	19.7 dBm																	
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x dB Bandwidth																			
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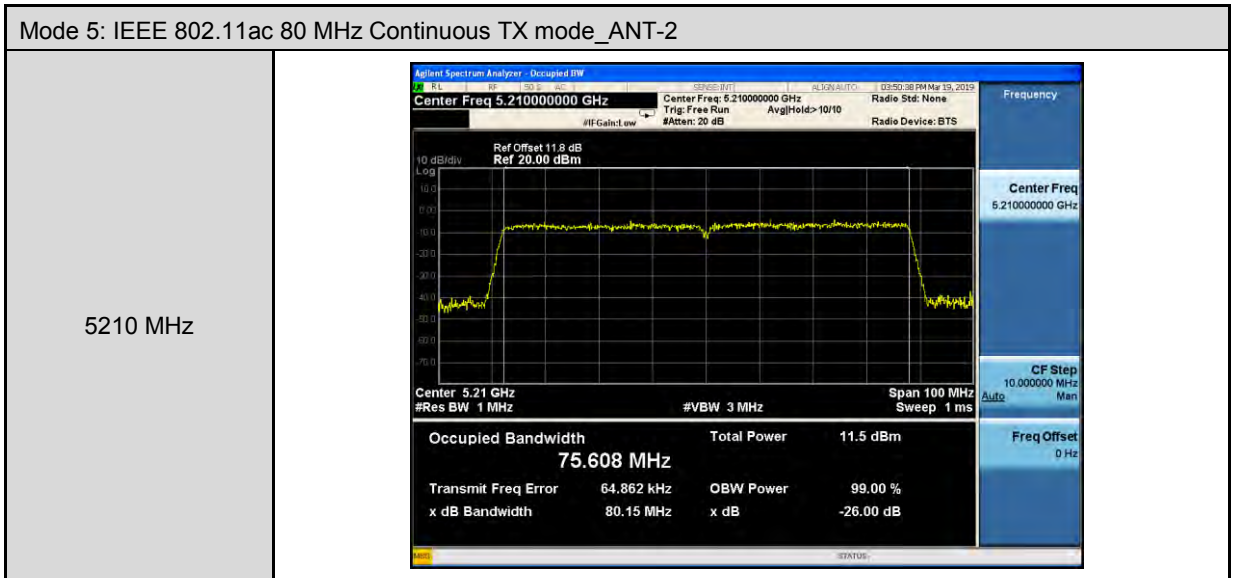




Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-2	
5180 MHz	<p>Center Freq 5.18000000 GHz</p> <p>Center Freq: 5.18000000 GHz Trig: Free Run #Att: 20 dB</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.18 GHz #Res BW 300 kHz</p> <p>Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.657 MHz</p> <p>Total Power 16.7 dBm</p> <p>Transmit Freq Error 5.558 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.34 MHz</p> <p>x dB -26.00 dB</p>
5200 MHz	<p>Center Freq 5.20000000 GHz</p> <p>Center Freq: 5.20000000 GHz Trig: Free Run #Att: 20 dB</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.2 GHz #Res BW 300 kHz</p> <p>Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.660 MHz</p> <p>Total Power 16.7 dBm</p> <p>Transmit Freq Error 1.778 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.15 MHz</p> <p>x dB -26.00 dB</p>
5240 MHz	<p>Center Freq 5.24000000 GHz</p> <p>Center Freq: 5.24000000 GHz Trig: Free Run #Att: 20 dB</p> <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Center 5.24 GHz #Res BW 300 kHz</p> <p>Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.664 MHz</p> <p>Total Power 16.7 dBm</p> <p>Transmit Freq Error 1.180 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.46 MHz</p> <p>x dB -26.00 dB</p>



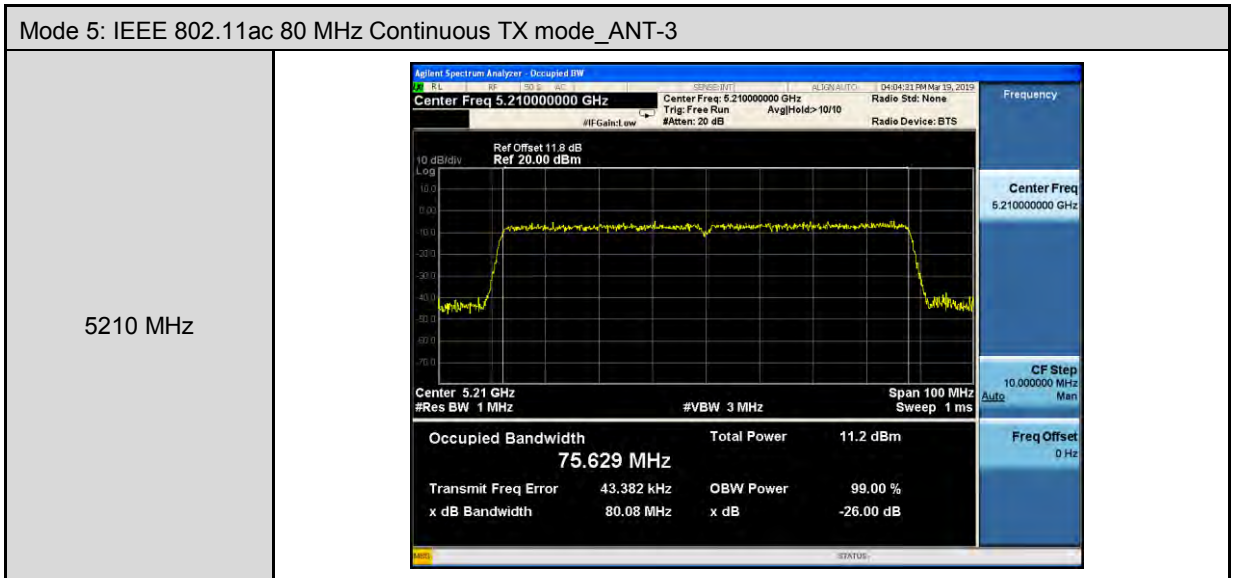
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-2																									
5190 MHz	 <p>Occupied Bandwidth</p> <table border="1"><tr><td>Center Freq</td><td>5.19 GHz</td><td>Total Power</td><td>15.4 dBm</td></tr><tr><td>#Res BW</td><td>1 MHz</td><td>#VBW</td><td>3 MHz</td></tr><tr><td>Span</td><td>50 MHz</td><td>Sweep</td><td>1 ms</td></tr><tr><td>Occupied Bandwidth</td><td>36.264 MHz</td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>16.485 kHz</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>40.13 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Center Freq	5.19 GHz	Total Power	15.4 dBm	#Res BW	1 MHz	#VBW	3 MHz	Span	50 MHz	Sweep	1 ms	Occupied Bandwidth	36.264 MHz			Transmit Freq Error	16.485 kHz	OBW Power	99.00 %	x dB Bandwidth	40.13 MHz	x dB	-26.00 dB
Center Freq	5.19 GHz	Total Power	15.4 dBm																						
#Res BW	1 MHz	#VBW	3 MHz																						
Span	50 MHz	Sweep	1 ms																						
Occupied Bandwidth	36.264 MHz																								
Transmit Freq Error	16.485 kHz	OBW Power	99.00 %																						
x dB Bandwidth	40.13 MHz	x dB	-26.00 dB																						
5230 MHz	 <p>Occupied Bandwidth</p> <table border="1"><tr><td>Center Freq</td><td>5.23 GHz</td><td>Total Power</td><td>20.0 dBm</td></tr><tr><td>#Res BW</td><td>1 MHz</td><td>#VBW</td><td>3 MHz</td></tr><tr><td>Span</td><td>50 MHz</td><td>Sweep</td><td>1 ms</td></tr><tr><td>Occupied Bandwidth</td><td>36.238 MHz</td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>32.272 kHz</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>40.16 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table>	Center Freq	5.23 GHz	Total Power	20.0 dBm	#Res BW	1 MHz	#VBW	3 MHz	Span	50 MHz	Sweep	1 ms	Occupied Bandwidth	36.238 MHz			Transmit Freq Error	32.272 kHz	OBW Power	99.00 %	x dB Bandwidth	40.16 MHz	x dB	-26.00 dB
Center Freq	5.23 GHz	Total Power	20.0 dBm																						
#Res BW	1 MHz	#VBW	3 MHz																						
Span	50 MHz	Sweep	1 ms																						
Occupied Bandwidth	36.238 MHz																								
Transmit Freq Error	32.272 kHz	OBW Power	99.00 %																						
x dB Bandwidth	40.16 MHz	x dB	-26.00 dB																						





Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-3	
5180 MHz	<p>Center Freq 5.18000000 GHz</p> <p>Center Freq: 5.18000000 GHz</p> <p>Trig: Free Run Avg/Hold: >10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 11.8 dB</p> <p>Ref 20.00 dBm</p> <p>Center 5.18 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 17.643 MHz</p> <p>Total Power 15.9 dBm</p> <p>Transmit Freq Error -2.590 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.44 MHz</p> <p>x dB -26.00 dB</p> <p>Center Freq 5.18000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
5200 MHz	<p>Center Freq 5.20000000 GHz</p> <p>Center Freq: 5.20000000 GHz</p> <p>Trig: Free Run Avg/Hold: >10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 11.8 dB</p> <p>Ref 20.00 dBm</p> <p>Center 5.2 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 17.637 MHz</p> <p>Total Power 15.7 dBm</p> <p>Transmit Freq Error 7.431 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.39 MHz</p> <p>x dB -26.00 dB</p> <p>Center Freq 5.20000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
5240 MHz	<p>Center Freq 5.24000000 GHz</p> <p>Center Freq: 5.24000000 GHz</p> <p>Trig: Free Run Avg/Hold: >10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 11.8 dB</p> <p>Ref 20.00 dBm</p> <p>Center 5.24 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 17.632 MHz</p> <p>Total Power 16.1 dBm</p> <p>Transmit Freq Error -1.862 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.10 MHz</p> <p>x dB -26.00 dB</p> <p>Center Freq 5.24000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>







5.5. Maximum Power Spectral Density Measurement

Test Mode	Mode 2: IEEE 802.11a link mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	4.800	0.084	4.884	≤ 11.98
5200	4.835	0.084	4.919	
5240	5.152	0.084	5.236	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	5.135	0.084	5.219	≤ 11.98
5200	4.919	0.084	5.003	
5240	5.275	0.084	5.359	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	5.153	0.084	5.237	≤ 11.98
5200	5.049	0.084	5.133	
5240	5.076	0.084	5.160	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	4.700	0.084	4.784	≤ 11.98
5200	4.343	0.084	4.427	
5240	4.278	0.084	4.362	
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5180	11.056			≤ 11.98
5200	10.899			
5240	11.067			

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 link mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	5.428	0.017	5.445	≤ 11.98
5200	5.341	0.017	5.358	
5240	5.222	0.017	5.239	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	5.455	0.017	5.472	≤ 11.98
5200	5.754	0.017	5.771	
5240	5.771	0.017	5.788	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	5.578	0.017	5.595	≤ 11.98
5200	5.545	0.017	5.562	
5240	5.331	0.017	5.348	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	5.152	0.017	5.169	≤ 11.98
5200	4.843	0.017	4.860	
5240	4.863	0.017	4.880	
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180	11.444			≤ 11.98
5200	11.422			
5240	11.347			

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 link mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-0.596	0.071	-0.525	≤ 11.98
5230	4.682	0.071	4.753	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-0.392	0.071	-0.321	≤ 11.98
5230	4.750	0.071	4.821	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-0.491	0.071	-0.420	≤ 11.98
5230	4.459	0.071	4.530	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-1.042	0.071	-0.971	≤ 11.98
5230	3.878	0.071	3.949	
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190	5.468			≤ 11.98
5230	10.547			

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 link mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-6.769	0.201	-6.568	≤ 11.98
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-6.401	0.201	-6.200	≤ 11.98
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-6.546	0.201	-6.345	≤ 11.98
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-7.402	0.201	-7.201	≤ 11.98
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210	-0.541			≤ 11.98

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



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Test Mode	Mode 3: IEEE 802.11ac 20 MHz link mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
	5180	-1.154	0.017	-1.137
	5200	-1.031	0.017	-1.014
5240	-1.049	0.017	-1.032	≤ 11.98
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
	5180	-1.123	0.017	-1.106
	5200	-1.097	0.017	-1.080
5240	-0.956	0.017	-0.939	≤ 11.98
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
	5180	-0.888	0.017	-0.871
	5200	-1.109	0.017	-1.092
5240	-0.864	0.017	-0.847	≤ 11.98
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
	5180	-1.566	0.017	-1.549
	5200	-1.866	0.017	-1.849
5240	-1.517	0.017	-1.500	≤ 11.98
Frequency (MHz)	ANT-0+1+2+3			
	Calculated (dBm/MHz)			Limit (dBm/MHz)
	5180	4.862		≤ 11.98
	5200	4.775		
5240	4.949			

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 link mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-6.922	0.071	-6.851	≤ 11.98
5230	-2.009	0.071	-1.938	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-7.036	0.071	-6.965	≤ 11.98
5230	-2.017	0.071	-1.946	
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-6.470	0.071	-6.399	≤ 11.98
5230	-1.848	0.071	-1.777	
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-7.305	0.071	-7.234	≤ 11.98
5230	-2.616	0.071	-2.545	
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190	-0.831			≤ 11.98
5230	3.978			

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

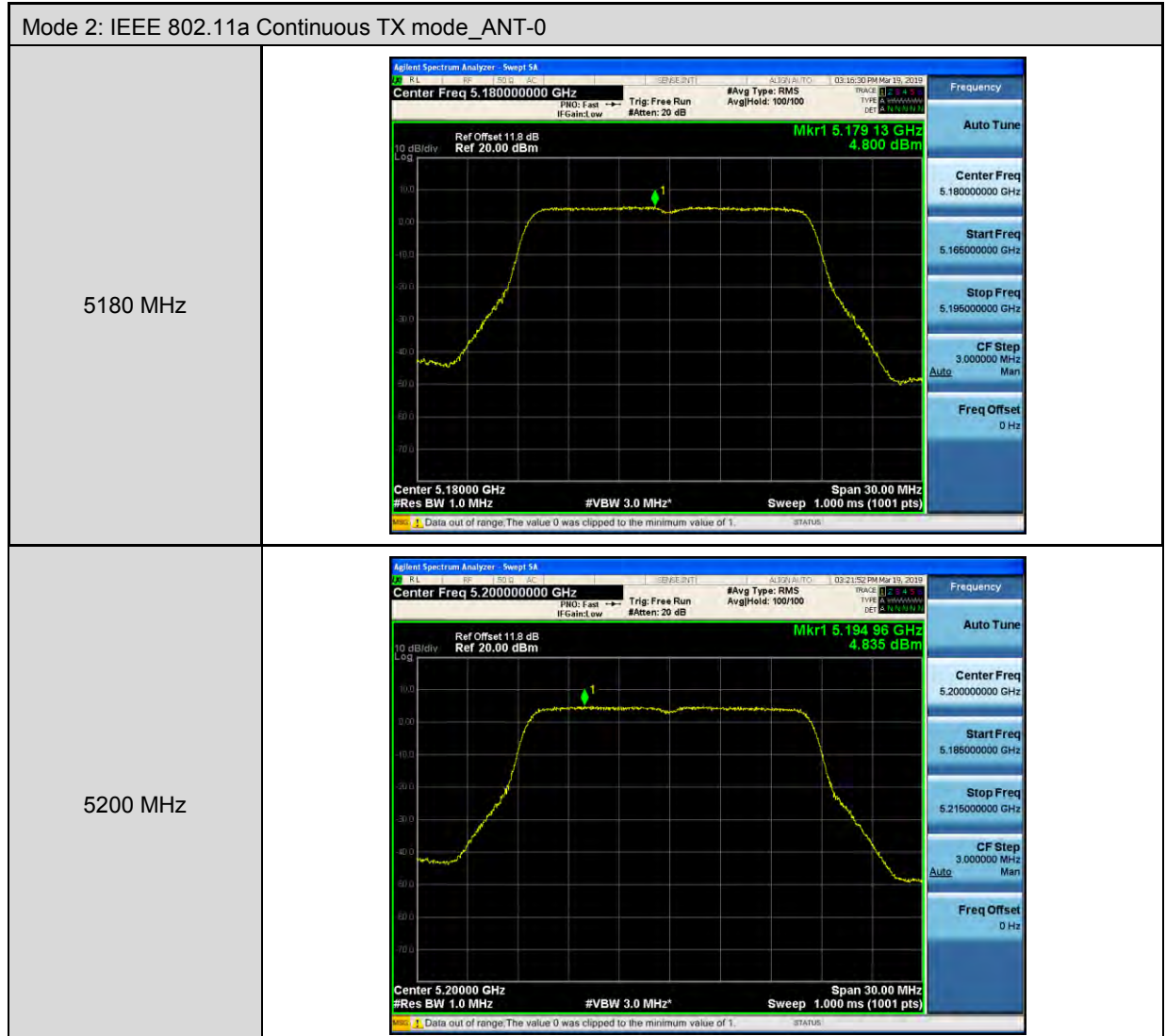


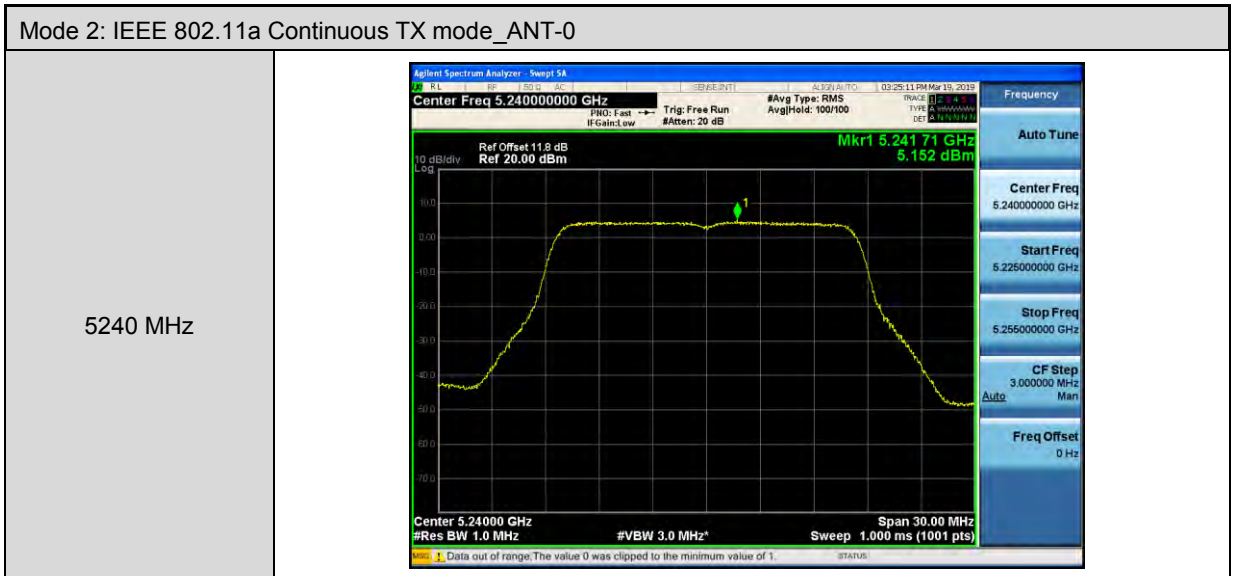
Test Mode	Mode 5: IEEE 802.11ac 80 MHz link mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-13.708	0.201	-13.507	≤ 11.98
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-13.597	0.201	-13.396	≤ 11.98
Frequency (MHz)	ANT-2			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-13.671	0.201	-13.470	≤ 11.98
Frequency (MHz)	ANT-3			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-14.095	0.201	-13.894	≤ 11.98
Frequency (MHz)	ANT-0+1+2+3			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210	-7.542			≤ 11.98

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




■ Test Graphs

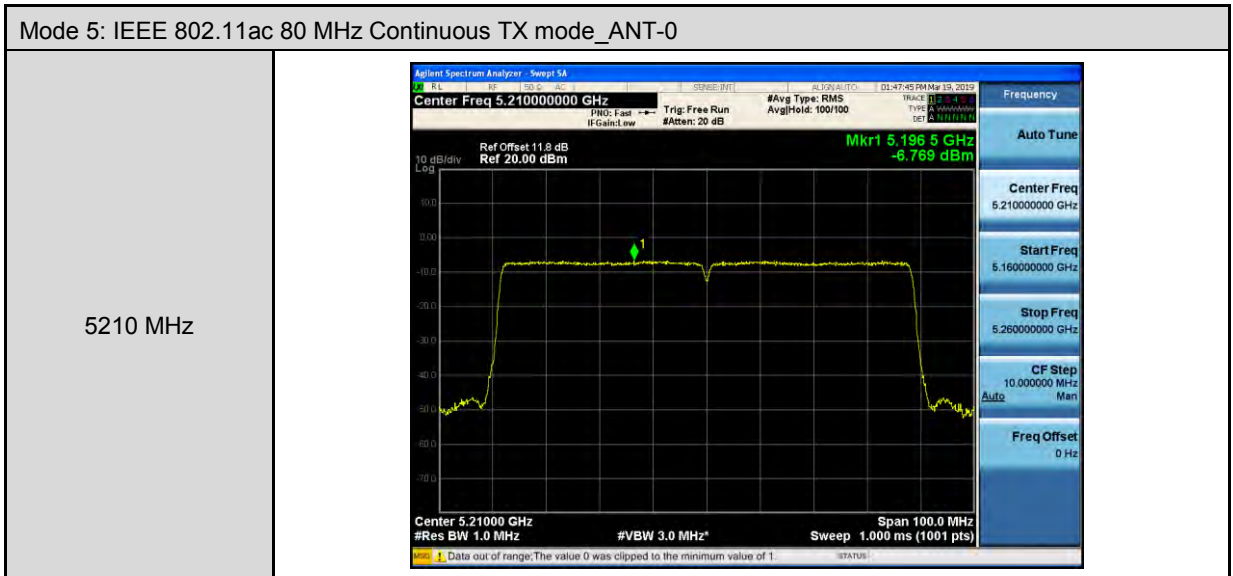






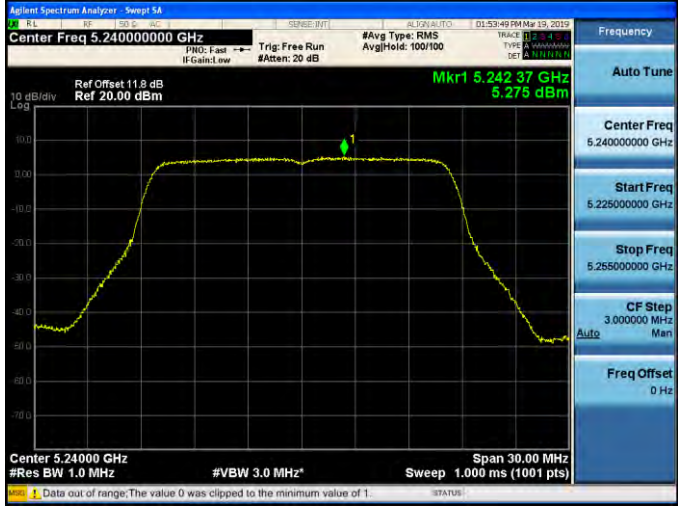


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	





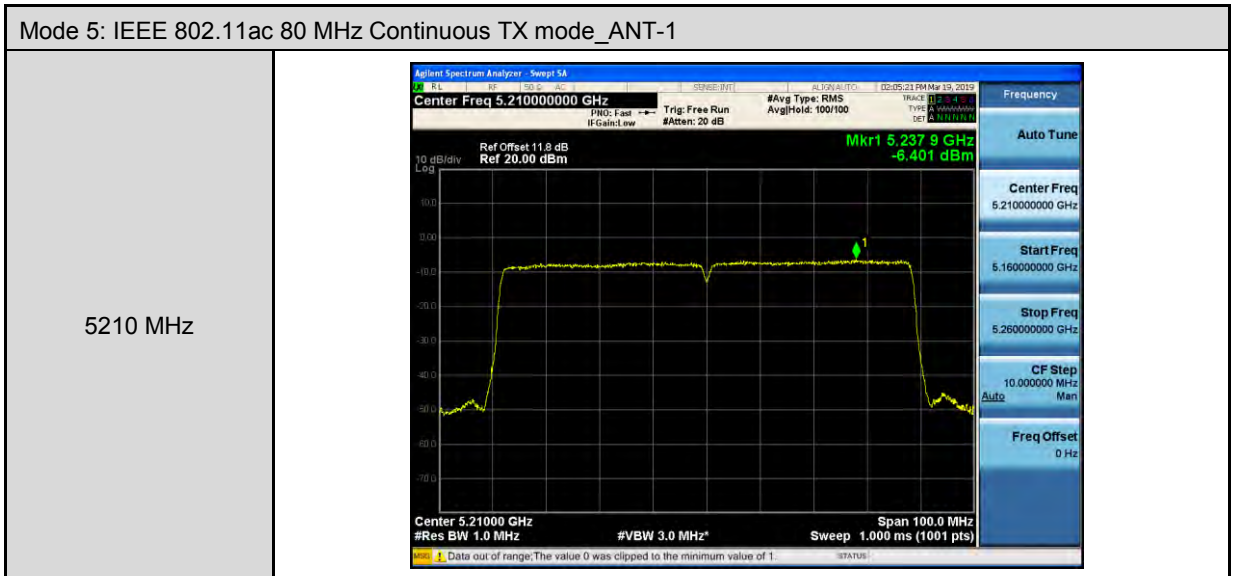


Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5180 MHz	 <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.184 26 GHz 5.136 dBm</p> <p>Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts) Span 30.00 MHz</p> <p>1 Data out of range; The value 0 was clipped to the minimum value of 1.</p>
5200 MHz	 <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.195 14 GHz 4.919 dBm</p> <p>Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts) Span 30.00 MHz</p> <p>1 Data out of range; The value 0 was clipped to the minimum value of 1.</p>
5240 MHz	 <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.242 37 GHz 5.275 dBm</p> <p>Center 5.24000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts) Span 30.00 MHz</p> <p>1 Data out of range; The value 0 was clipped to the minimum value of 1.</p>



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5180 MHz	<p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.18273 GHz 5.456 dBm</p> <p>Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts)</p> <p>Span 30.00 MHz</p> <p>1 Data out of range; The value 0 was clipped to the minimum value of 1.</p>
5200 MHz	<p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.20150 GHz 5.754 dBm</p> <p>Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts)</p> <p>Span 30.00 MHz</p> <p>1 Data out of range; The value 0 was clipped to the minimum value of 1.</p>
5240 MHz	<p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.24189 GHz 5.771 dBm</p> <p>Center 5.24000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts)</p> <p>Span 30.00 MHz</p> <p>1 Data out of range; The value 0 was clipped to the minimum value of 1.</p>





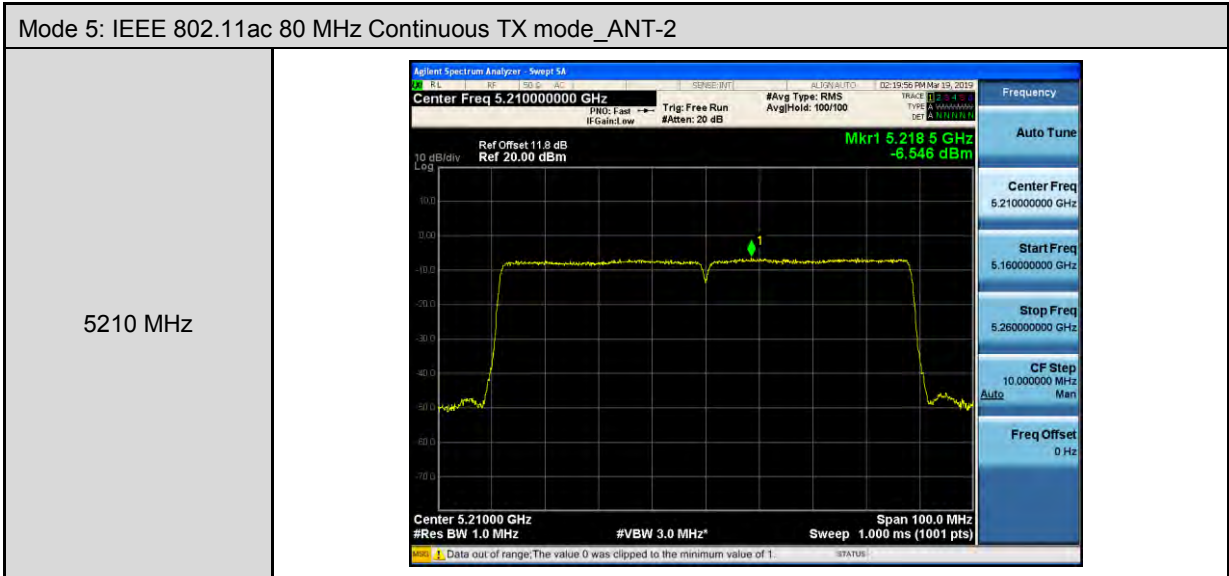


Mode 2: IEEE 802.11a Continuous TX mode_ANT-2	
5180 MHz	<p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.18510 GHz 5.153 dBm</p> <p>Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts)</p> <p>Span 30.00 MHz</p> <p>1 Data out of range; The value 0 was clipped to the minimum value of 1.</p>
5200 MHz	<p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.20363 GHz 5.049 dBm</p> <p>Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts)</p> <p>Span 30.00 MHz</p> <p>1 Data out of range; The value 0 was clipped to the minimum value of 1.</p>
5240 MHz	<p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.24327 GHz 5.076 dBm</p> <p>Center 5.24000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts)</p> <p>Span 30.00 MHz</p> <p>1 Data out of range; The value 0 was clipped to the minimum value of 1.</p>


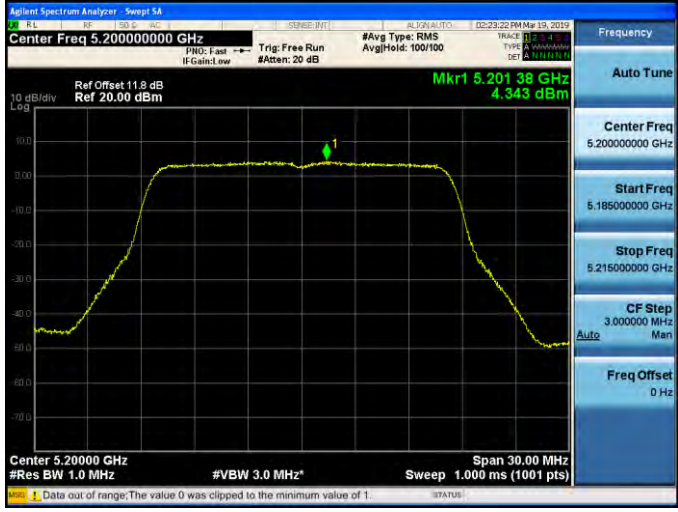



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-2	
5180 MHz	
5200 MHz	
5240 MHz	

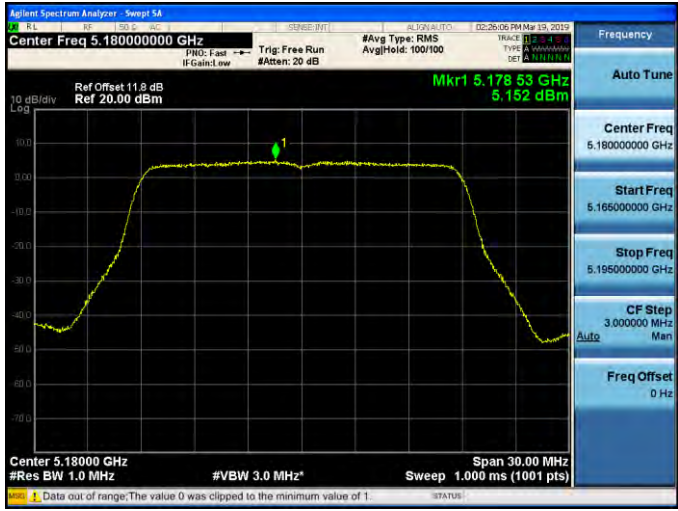
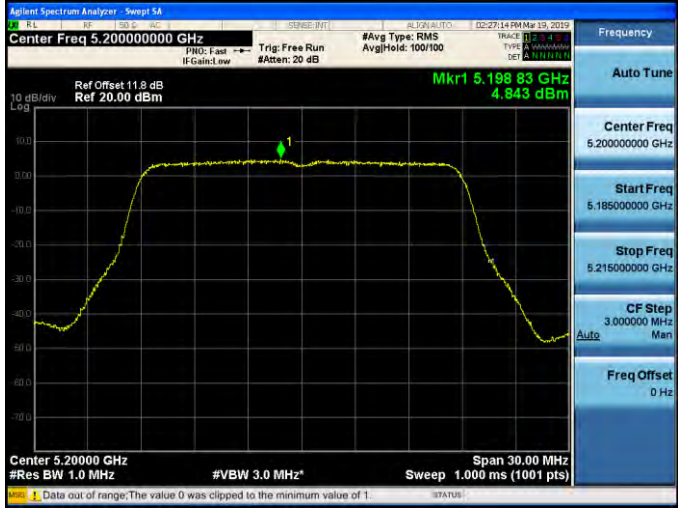





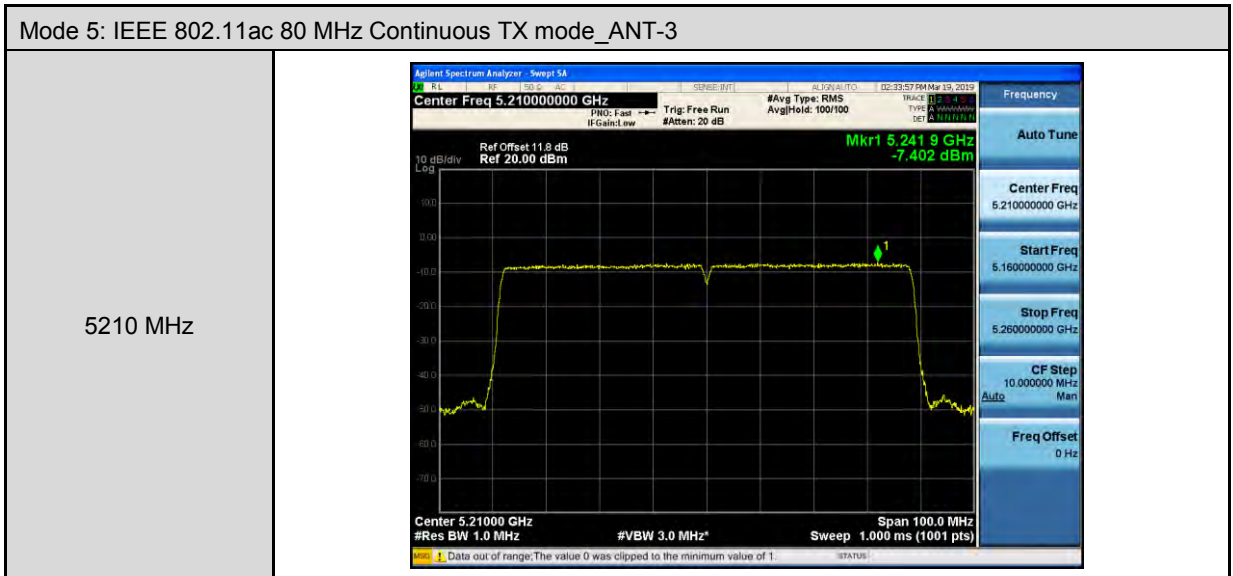


Mode 2: IEEE 802.11a Continuous TX mode_ANT-3	
5180 MHz	 <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.177 60 GHz 4.700 dBm</p> <p>Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts) Span 30.00 MHz</p> <p>1 Data out of range; The value 0 was clipped to the minimum value of 1.</p>
5200 MHz	 <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.201 38 GHz 4.343 dBm</p> <p>Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts) Span 30.00 MHz</p> <p>1 Data out of range; The value 0 was clipped to the minimum value of 1.</p>
5240 MHz	 <p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.237 51 GHz 4.278 dBm</p> <p>Center 5.24000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts) Span 30.00 MHz</p> <p>1 Data out of range; The value 0 was clipped to the minimum value of 1.</p>



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-3	
5180 MHz	
5200 MHz	
5240 MHz	

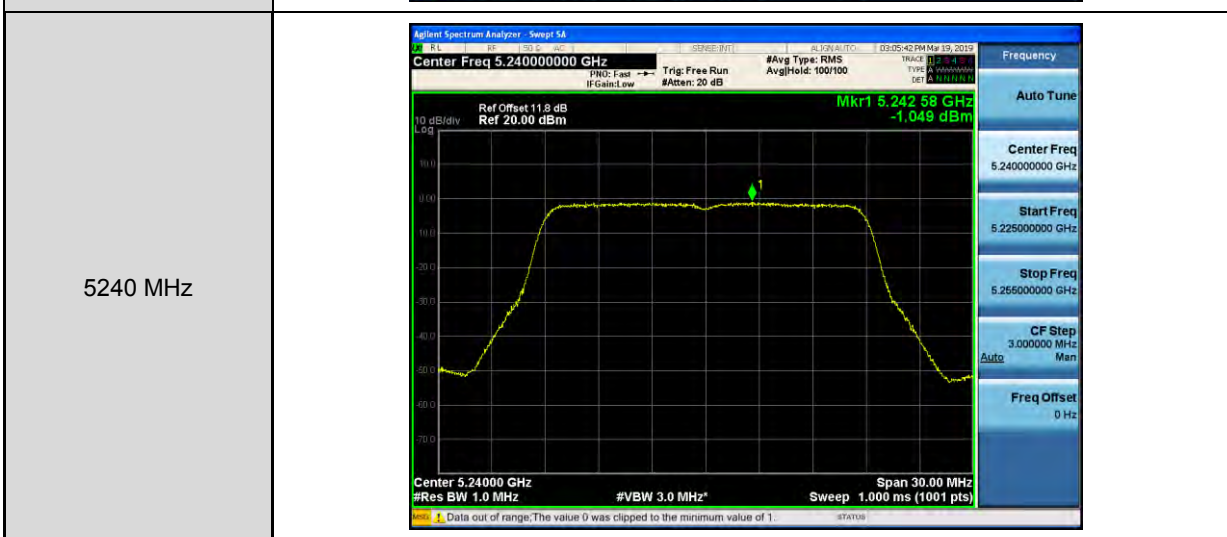




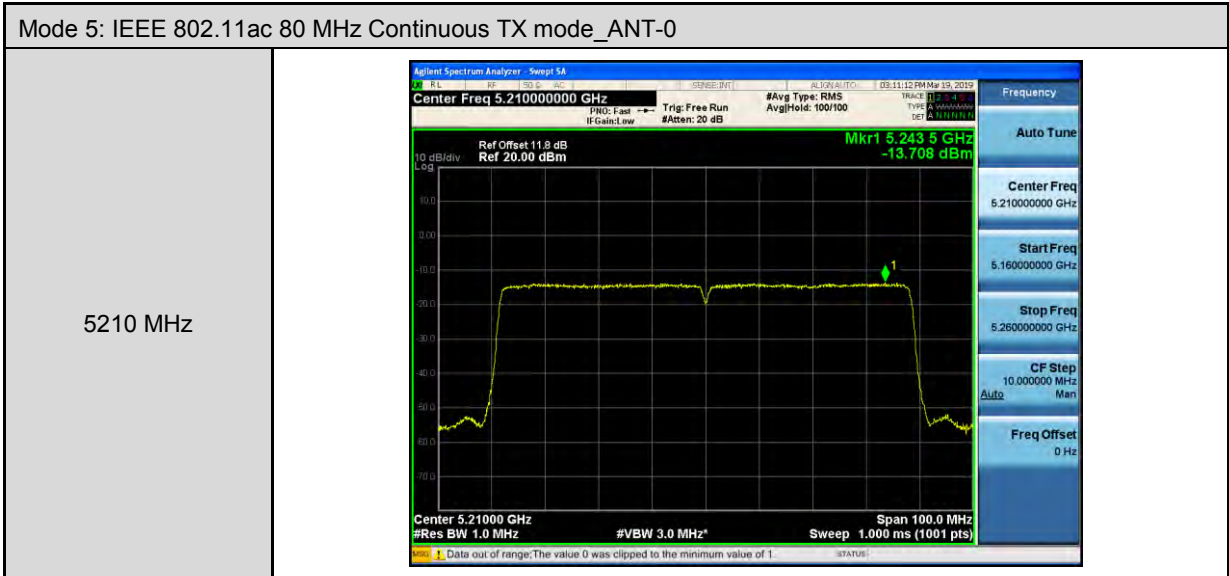


Beamforming on


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



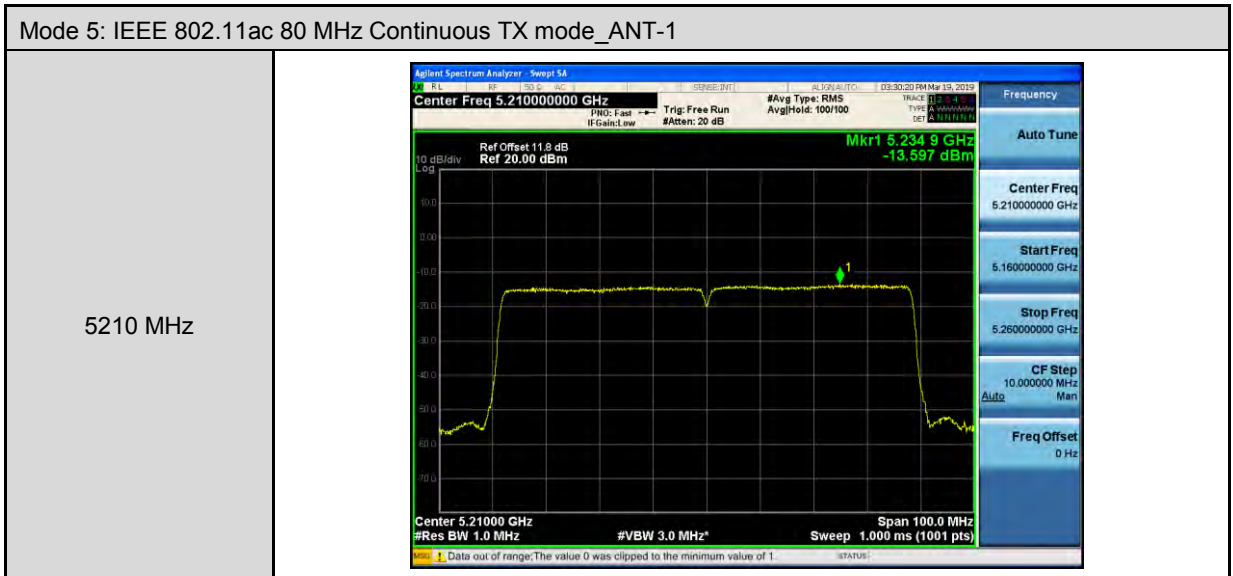






Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

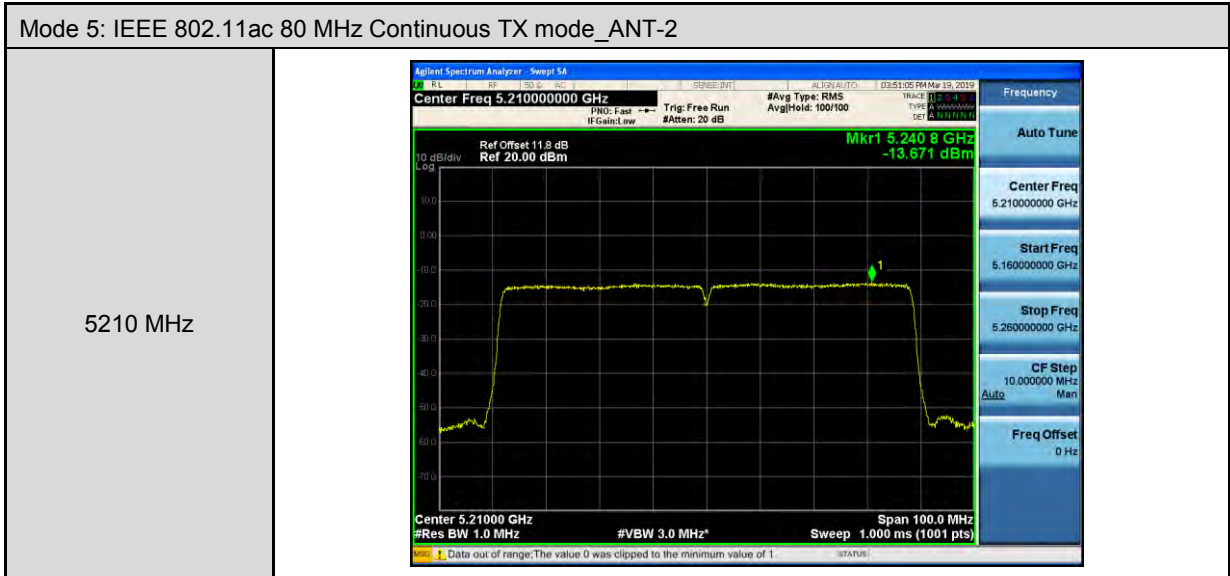






Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-2	
5180 MHz	<p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.18315 GHz -0.888 dBm</p> <p>Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts)</p> <p>Span 30.00 MHz</p> <p>1 Data out of range; The value 0 was clipped to the minimum value of 1.</p>
5200 MHz	<p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.20120 GHz -1.109 dBm</p> <p>Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts)</p> <p>Span 30.00 MHz</p> <p>1 Data out of range; The value 0 was clipped to the minimum value of 1.</p>
5240 MHz	<p>Ref Offset 11.8 dB Ref 20.00 dBm</p> <p>Mkr1 5.24381 GHz -0.864 dBm</p> <p>Center 5.24000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts)</p> <p>Span 30.00 MHz</p> <p>1 Data out of range; The value 0 was clipped to the minimum value of 1.</p>







Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-3	
5180 MHz	
5200 MHz	
5240 MHz	



