

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		

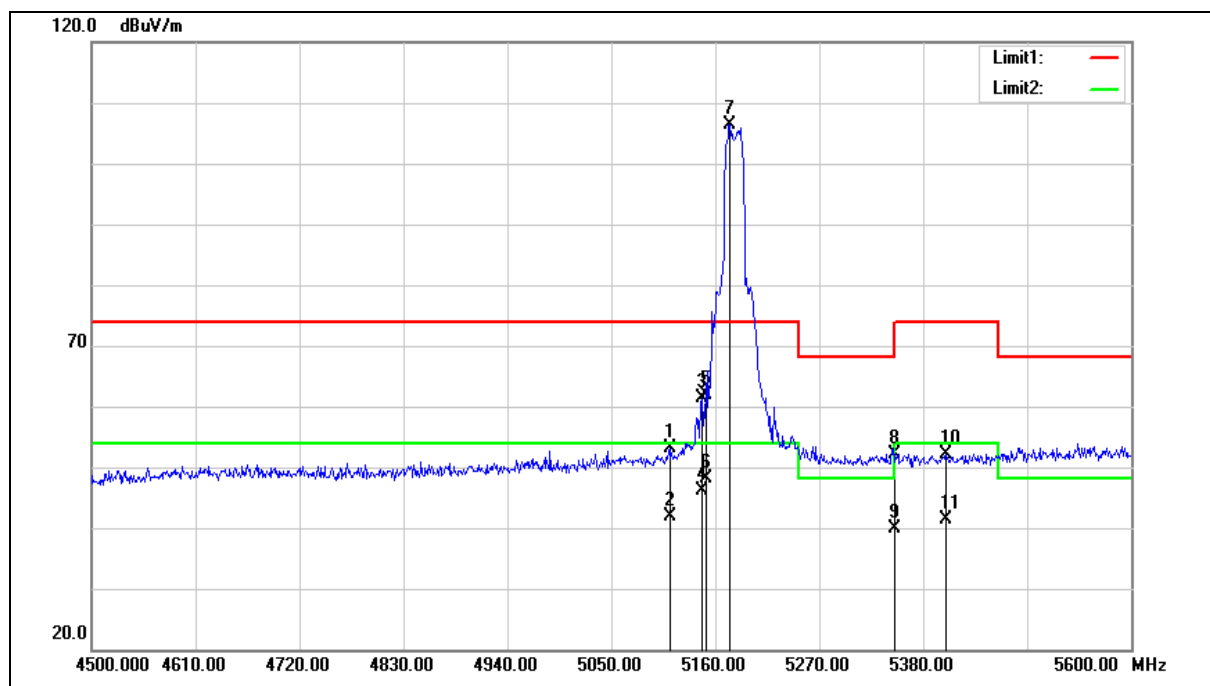
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5143.500	62.59	-4.93	57.66	74.00	-16.34	peak
2	5143.500	46.62	-4.93	41.69	54.00	-12.31	AVG
3	5150.000	57.43	-4.92	52.51	74.00	-21.49	peak
4	5150.000	47.17	-4.92	42.25	54.00	-11.75	AVG
5	5184.200	104.25	-4.84	99.41	---	---	peak
6	5350.000	55.81	-4.44	51.37	74.00	-22.63	peak
7	5441.600	57.69	-4.23	53.46	74.00	-20.54	peak
8	5441.600	44.31	-4.23	40.08	54.00	-13.92	AVG

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5180 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		

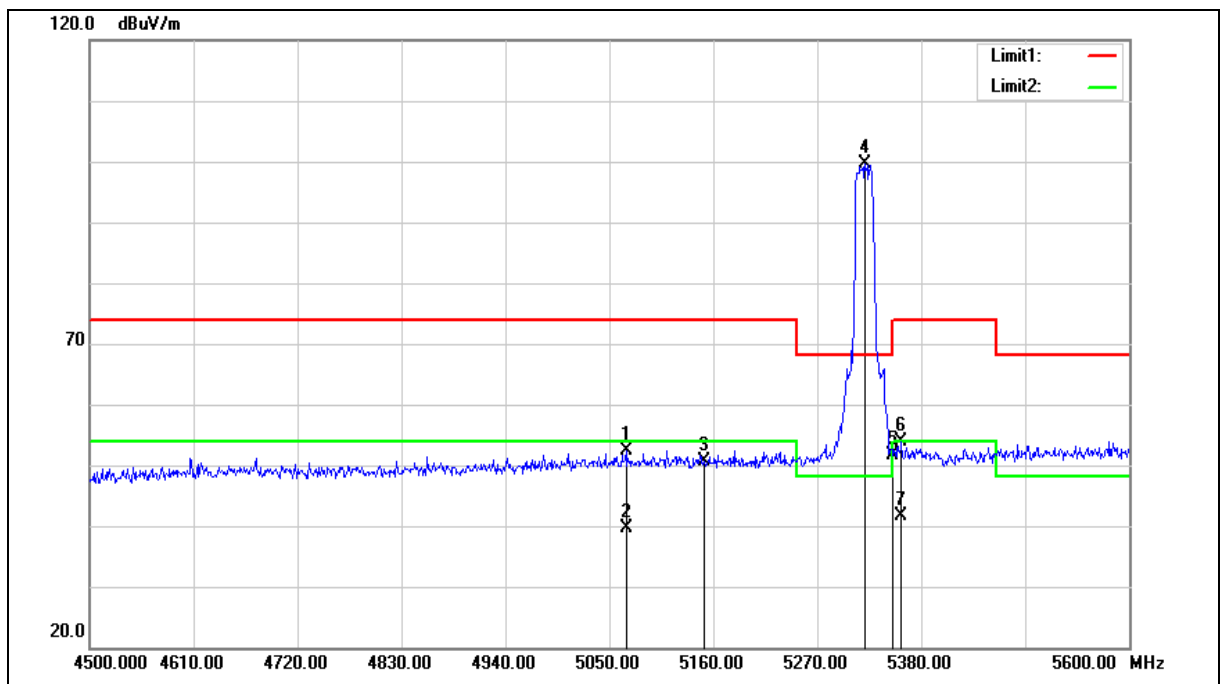
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5111.600	58.03	-5.00	53.03	74.00	-20.97	peak
2	5111.600	46.82	-5.00	41.82	54.00	-12.18	AVG
3	5145.700	66.24	-4.92	61.32	74.00	-12.68	peak
4	5145.700	51.04	-4.92	46.12	54.00	-7.88	AVG
5	5150.000	66.84	-4.92	61.92	74.00	-12.08	peak
6	5150.000	52.98	-4.92	48.06	54.00	-5.94	AVG
7	5175.400	111.31	-4.85	106.46	---	---	peak
8	5350.000	56.56	-4.44	52.12	74.00	-21.88	peak
9	5350.000	44.26	-4.44	39.82	54.00	-14.18	AVG
10	5404.200	56.49	-4.32	52.17	74.00	-21.83	peak
11	5404.200	45.60	-4.32	41.28	54.00	-12.72	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		

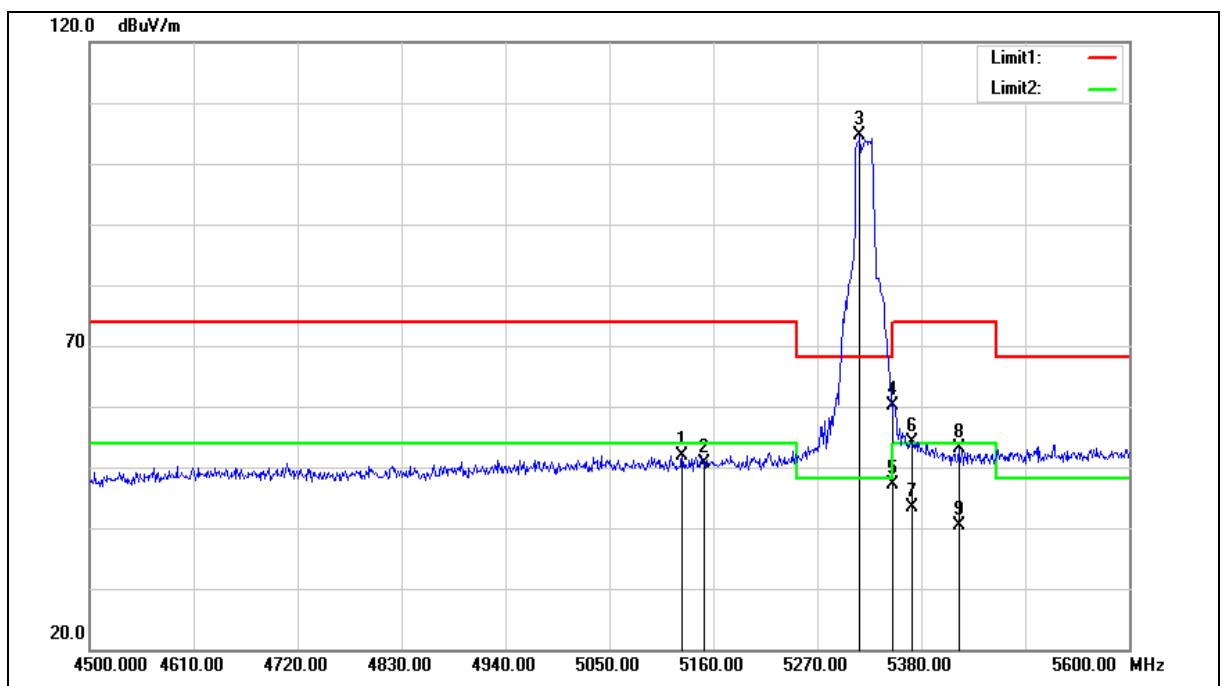
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5067.600	57.58	-5.11	52.47	74.00	-21.53	peak
2	5067.600	44.66	-5.11	39.55	54.00	-14.45	AVG
3	5150.000	55.47	-4.92	50.55	74.00	-23.45	peak
4	5320.600	104.23	-4.52	99.71	---	---	peak
5	5350.000	56.18	-4.44	51.74	74.00	-22.26	peak
6	5359.100	58.18	-4.42	53.76	74.00	-20.24	peak
7	5359.100	46.11	-4.42	41.69	54.00	-12.31	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		

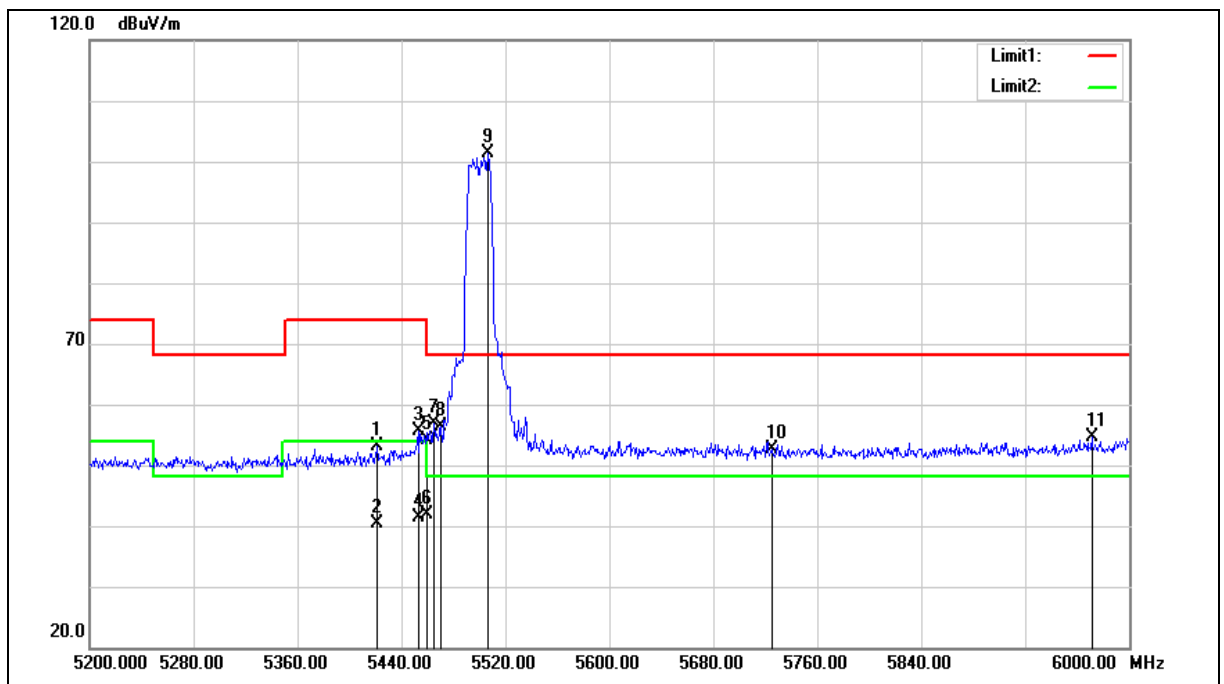
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5127.000	56.90	-4.97	51.93	74.00	-22.07	peak
2	5150.000	55.45	-4.92	50.53	74.00	-23.47	peak
3	5315.100	109.05	-4.53	104.52	---	---	peak
4	5350.000	64.61	-4.44	60.17	74.00	-13.83	peak
5	5350.000	51.68	-4.44	47.24	54.00	-6.76	AVG
6	5370.100	58.52	-4.40	54.12	74.00	-19.88	peak
7	5370.100	47.66	-4.40	43.26	54.00	-10.74	AVG
8	5419.600	57.43	-4.28	53.15	74.00	-20.85	peak
9	5419.600	44.73	-4.28	40.45	54.00	-13.55	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		

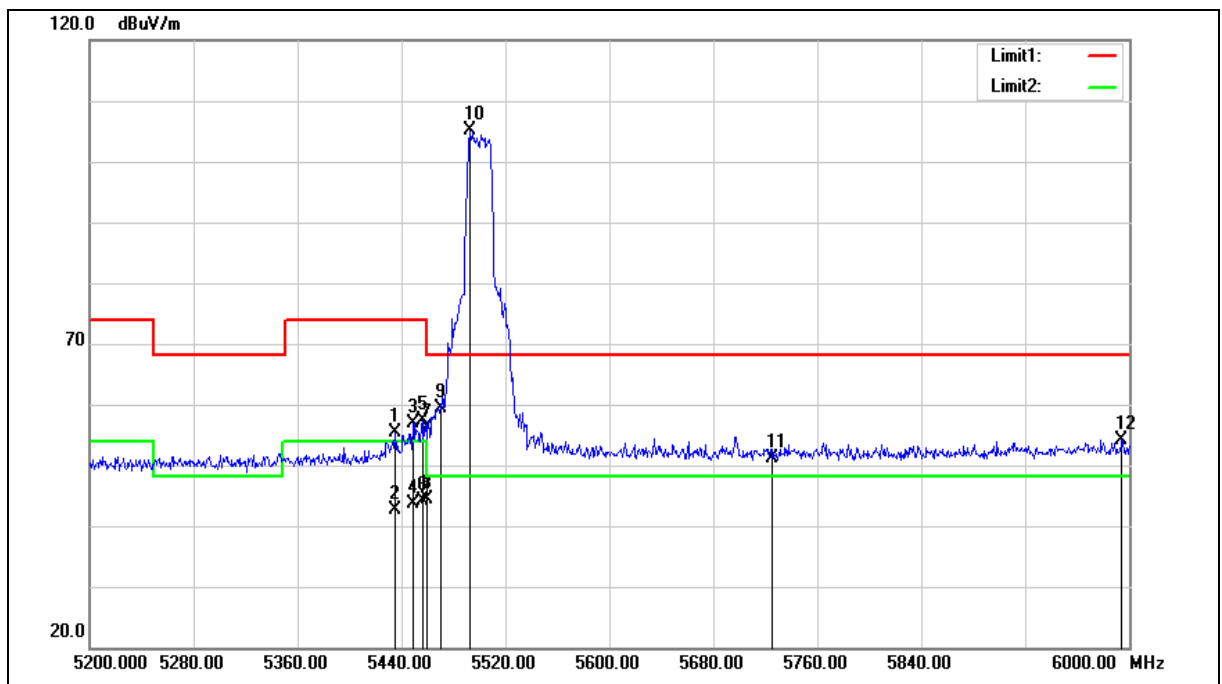
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5421.600	57.29	-4.28	53.01	74.00	-20.99	peak
2	5421.600	44.69	-4.28	40.41	54.00	-13.59	AVG
3	5452.800	59.93	-4.20	55.73	74.00	-18.27	peak
4	5452.800	45.67	-4.20	41.47	54.00	-12.53	AVG
5	5460.000	58.27	-4.18	54.09	74.00	-19.91	peak
6	5460.000	46.09	-4.18	41.91	54.00	-12.09	AVG
7	5464.800	61.09	-4.17	56.92	68.20	-11.28	peak
8	5470.000	60.52	-4.16	56.36	68.20	-11.84	peak
9	5506.400	105.34	-4.07	101.27	---	---	peak
10	5725.000	56.06	-3.41	52.65	68.20	-15.55	peak
11	5971.200	57.28	-2.66	54.62	68.20	-13.58	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		

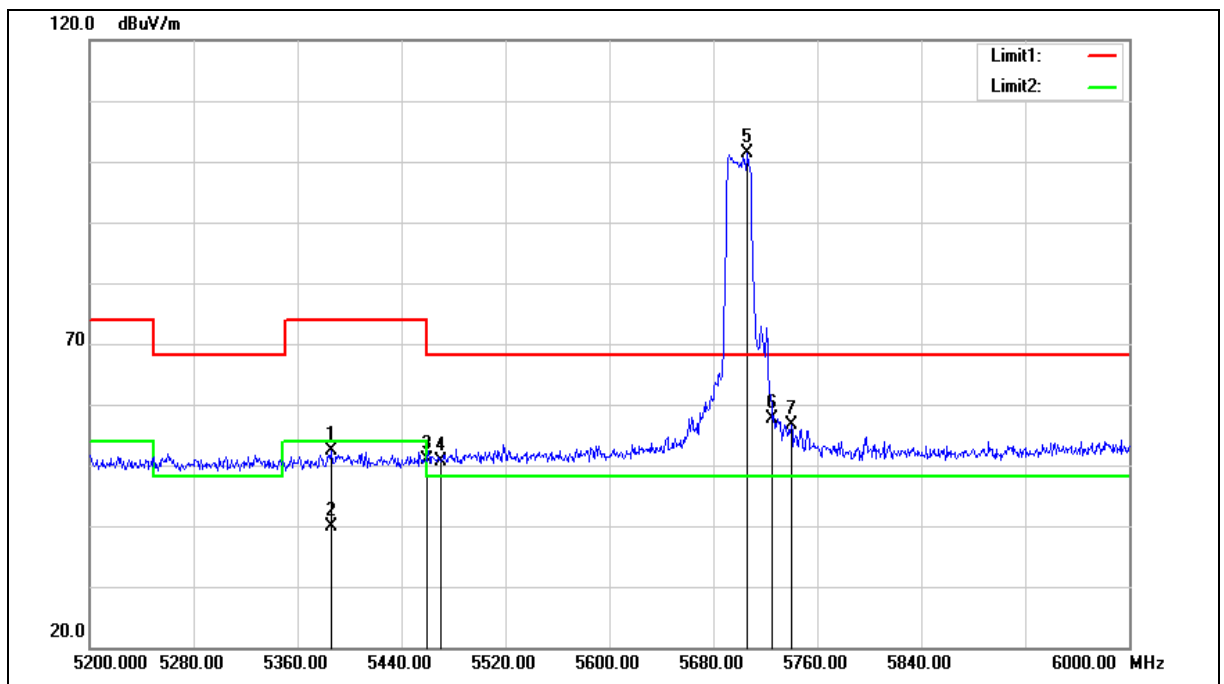
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5435.200	59.74	-4.24	55.50	74.00	-18.50	peak
2	5435.200	46.85	-4.24	42.61	54.00	-11.39	AVG
3	5448.800	61.02	-4.21	56.81	74.00	-17.19	peak
4	5448.800	47.93	-4.21	43.72	54.00	-10.28	AVG
5	5456.000	61.56	-4.20	57.36	74.00	-16.64	peak
6	5456.000	48.26	-4.20	44.06	54.00	-9.94	AVG
7	5460.000	60.42	-4.18	56.24	74.00	-17.76	peak
8	5460.000	48.44	-4.18	44.26	54.00	-9.74	AVG
9	5470.000	63.46	-4.16	59.30	68.20	-8.90	peak
10	5492.800	109.29	-4.10	105.19	---	---	peak
11	5725.000	54.65	-3.41	51.24	68.20	-16.96	peak
12	5994.400	56.67	-2.59	54.08	68.20	-14.12	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		

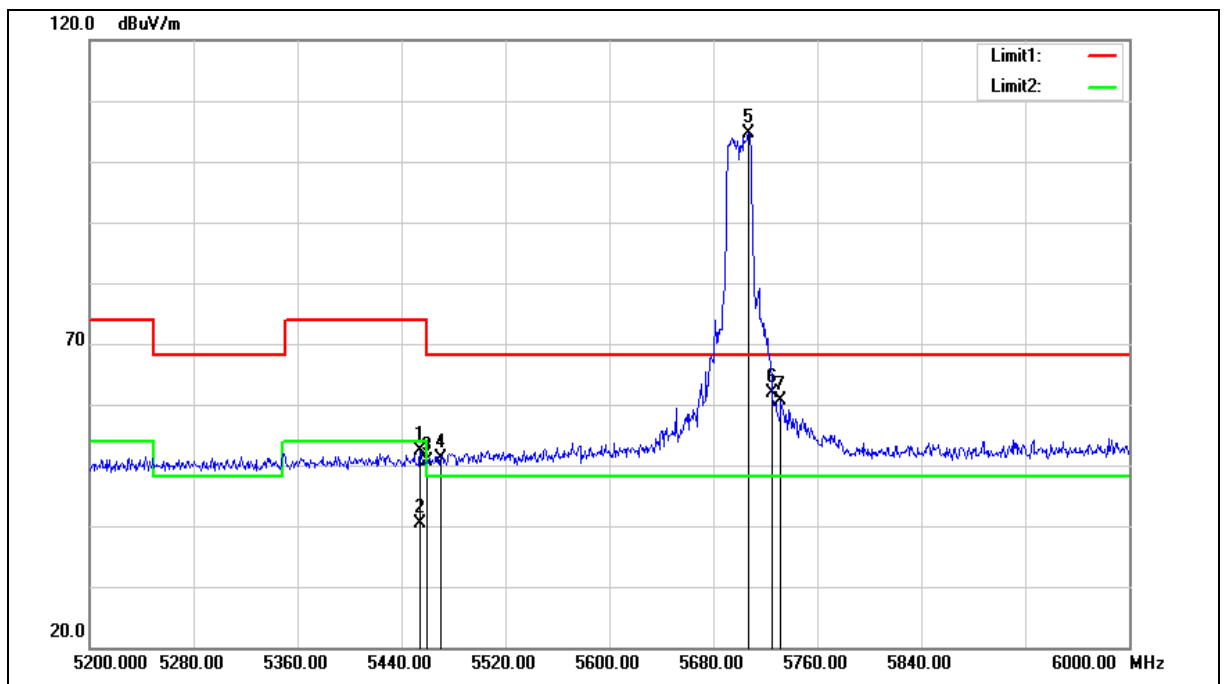
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5386.400	56.65	-4.36	52.29	74.00	-21.71	peak
2	5386.400	44.13	-4.36	39.77	54.00	-14.23	AVG
3	5460.000	55.02	-4.18	50.84	74.00	-23.16	peak
4	5470.000	54.85	-4.16	50.69	68.20	-17.51	peak
5	5706.400	104.87	-3.46	101.41	---	---	peak
6	5725.000	61.04	-3.41	57.63	68.20	-10.57	peak
7	5740.000	59.94	-3.36	56.58	68.20	-11.62	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		

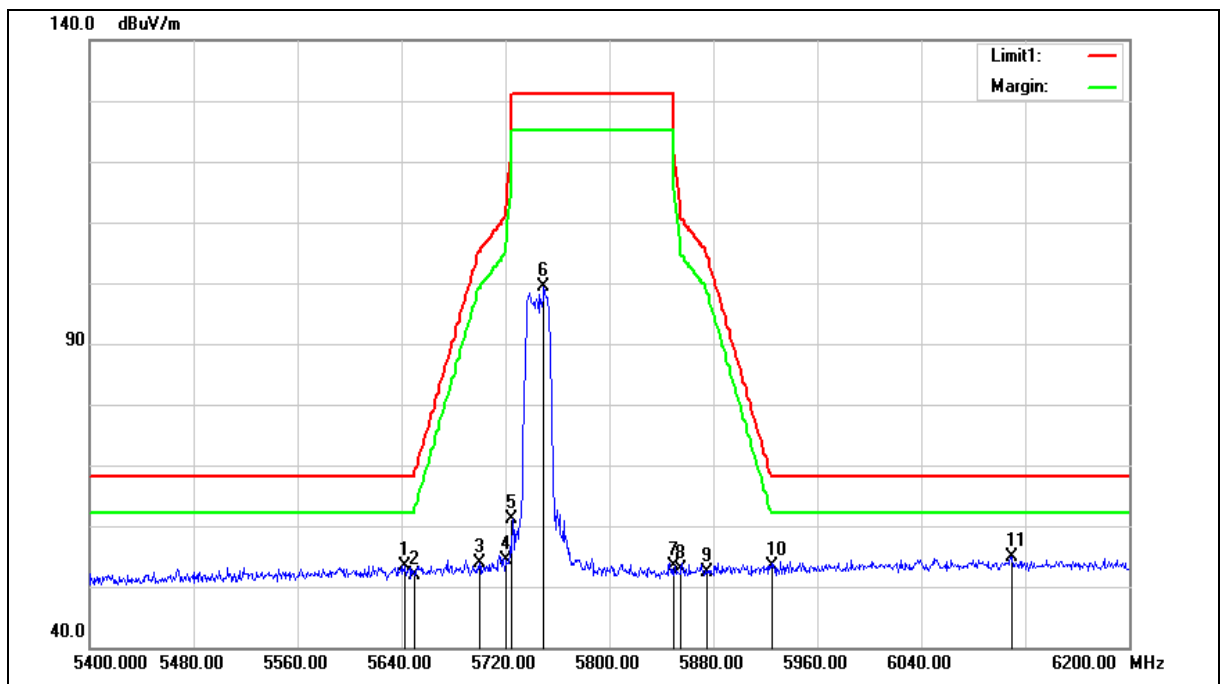
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5454.400	56.56	-4.20	52.36	74.00	-21.64	peak
2	5454.400	44.61	-4.20	40.41	54.00	-13.59	AVG
3	5460.000	54.80	-4.18	50.62	74.00	-23.38	peak
4	5470.000	55.38	-4.16	51.22	68.20	-16.98	peak
5	5707.200	108.15	-3.46	104.69	---	---	peak
6	5725.000	65.22	-3.41	61.81	68.20	-6.39	peak
7	5732.000	64.07	-3.39	60.68	68.20	-7.52	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		

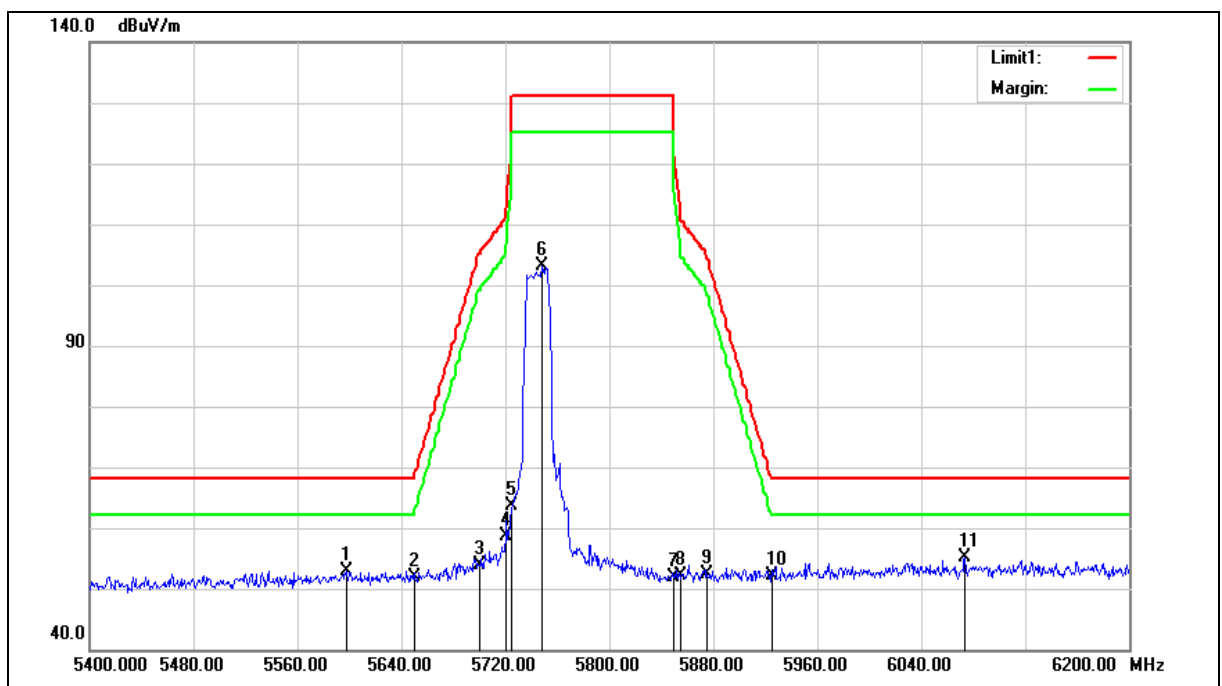
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5642.400	57.06	-3.65	53.41	68.20	-14.79	peak
2	5650.000	55.55	-3.63	51.92	68.20	-16.28	peak
3	5700.000	57.27	-3.48	53.79	105.20	-51.41	peak
4	5720.000	57.69	-3.42	54.27	110.80	-56.53	peak
5	5725.000	64.50	-3.41	61.09	122.20	-61.11	peak
6	5749.600	102.71	-3.33	99.38	---	---	peak
7	5850.000	56.52	-3.03	53.49	122.20	-68.71	peak
8	5855.000	55.85	-3.01	52.84	110.80	-57.96	peak
9	5875.000	55.41	-2.95	52.46	105.20	-52.74	peak
10	5925.000	56.13	-2.80	53.33	68.20	-14.87	peak
11	6109.600	57.36	-2.48	54.88	68.20	-13.32	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		

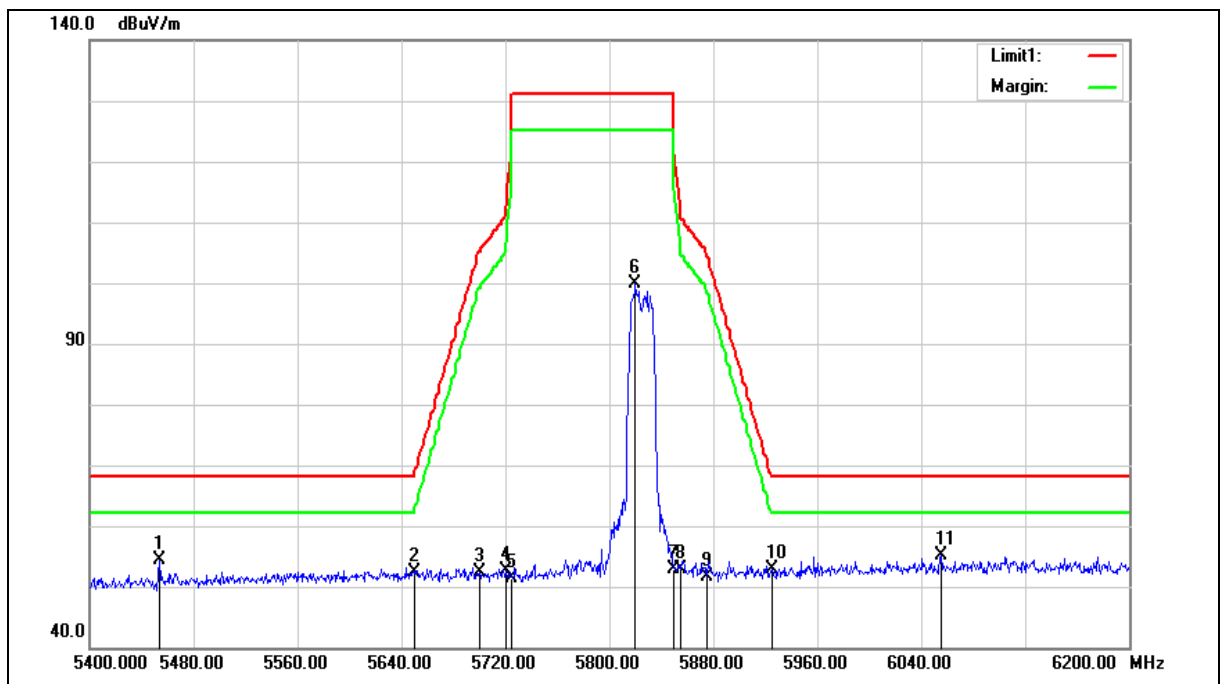
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5597.600	56.74	-3.79	52.95	68.20	-15.25	peak
2	5650.000	55.51	-3.63	51.88	68.20	-16.32	peak
3	5700.000	57.26	-3.48	53.78	105.20	-51.42	peak
4	5720.000	62.10	-3.42	58.68	110.80	-52.12	peak
5	5725.000	66.94	-3.41	63.53	122.20	-58.67	peak
6	5748.000	106.45	-3.33	103.12	---	---	peak
7	5850.000	55.01	-3.03	51.98	122.20	-70.22	peak
8	5855.000	55.15	-3.01	52.14	110.80	-58.66	peak
9	5875.000	55.22	-2.95	52.27	105.20	-52.93	peak
10	5925.000	54.96	-2.80	52.16	68.20	-16.04	peak
11	6073.600	57.58	-2.51	55.07	68.20	-13.13	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		

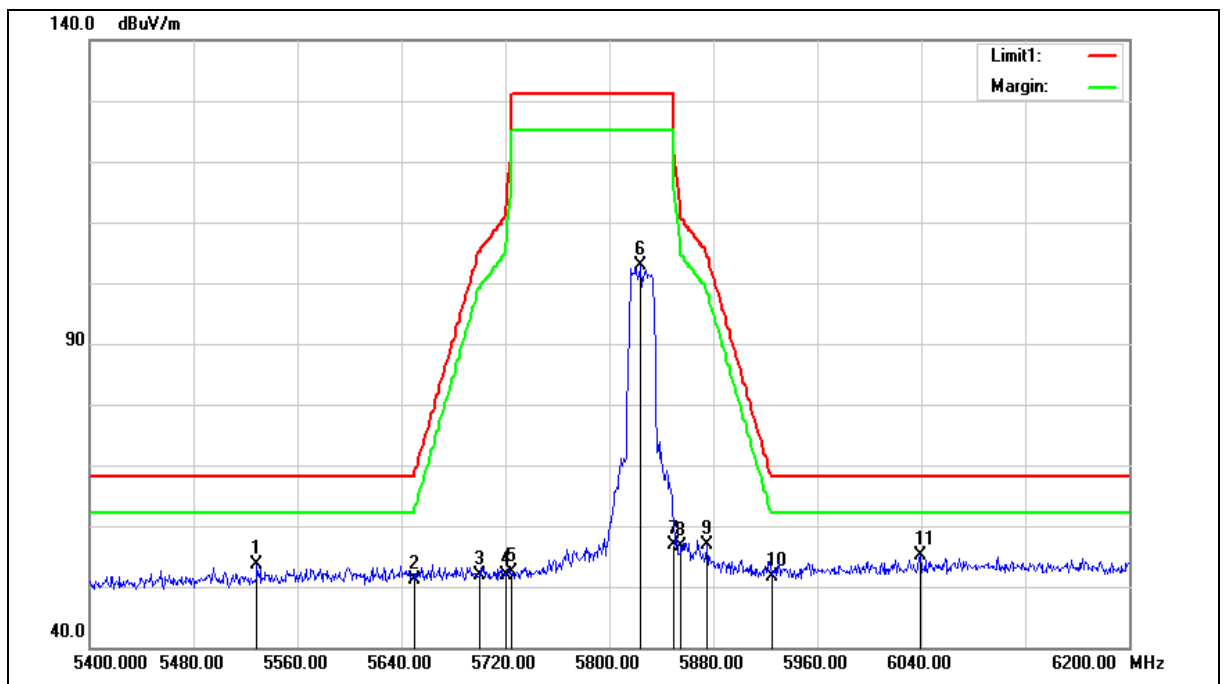
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5453.600	58.52	-4.20	54.32	68.20	-13.88	peak
2	5650.000	56.13	-3.63	52.50	68.20	-15.70	peak
3	5700.000	55.88	-3.48	52.40	105.20	-52.80	peak
4	5720.000	56.00	-3.42	52.58	110.80	-58.22	peak
5	5725.000	54.89	-3.41	51.48	122.20	-70.72	peak
6	5820.000	103.00	-3.12	99.88	---	---	peak
7	5850.000	55.85	-3.03	52.82	122.20	-69.38	peak
8	5855.000	56.00	-3.01	52.99	110.80	-57.81	peak
9	5875.000	54.69	-2.95	51.74	105.20	-53.46	peak
10	5925.000	55.56	-2.80	52.76	68.20	-15.44	peak
11	6055.200	57.74	-2.52	55.22	68.20	-12.98	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		

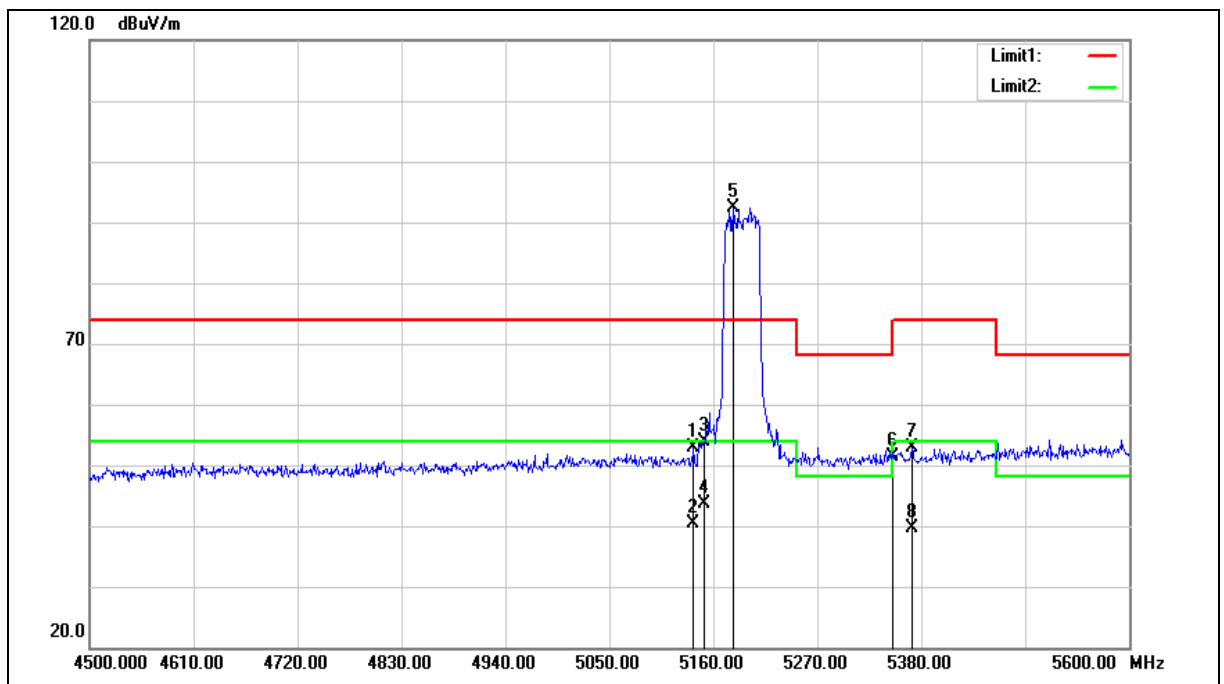
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5528.800	57.59	-4.00	53.59	68.20	-14.61	peak
2	5650.000	54.79	-3.63	51.16	68.20	-17.04	peak
3	5700.000	55.24	-3.48	51.76	105.20	-53.44	peak
4	5720.000	55.36	-3.42	51.94	110.80	-58.86	peak
5	5725.000	55.89	-3.41	52.48	122.20	-69.72	peak
6	5824.000	106.07	-3.10	102.97	---	---	peak
7	5850.000	59.95	-3.03	56.92	122.20	-65.28	peak
8	5855.000	59.61	-3.01	56.60	110.80	-54.20	peak
9	5875.000	59.81	-2.95	56.86	105.20	-48.34	peak
10	5925.000	54.35	-2.80	51.55	68.20	-16.65	peak
11	6039.200	57.62	-2.53	55.09	68.20	-13.11	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Horizontal		

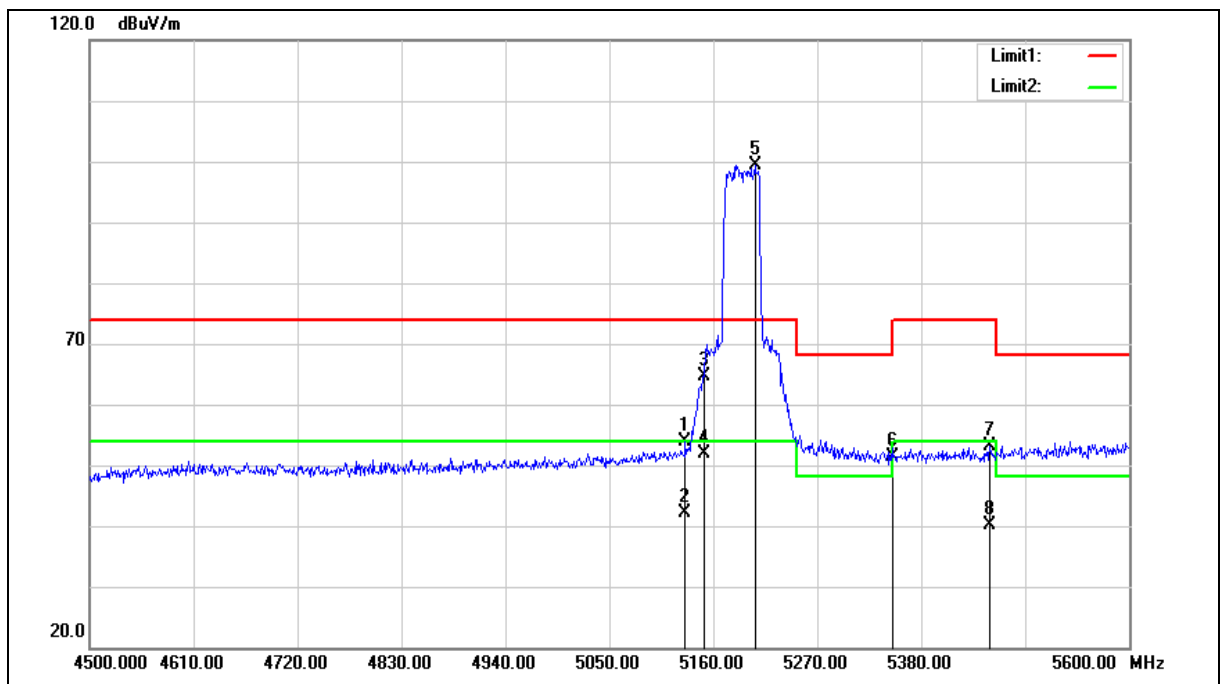
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5139.100	57.83	-4.95	52.88	74.00	-21.12	peak
2	5139.100	45.36	-4.95	40.41	54.00	-13.59	AVG
3	5150.000	58.68	-4.92	53.76	74.00	-20.24	peak
4	5150.000	48.57	-4.92	43.65	54.00	-10.35	AVG
5	5180.900	97.27	-4.84	92.43	---	---	peak
6	5350.000	55.73	-4.44	51.29	74.00	-22.71	peak
7	5370.100	57.25	-4.40	52.85	74.00	-21.15	peak
8	5370.100	44.12	-4.40	39.72	54.00	-14.28	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Vertical		

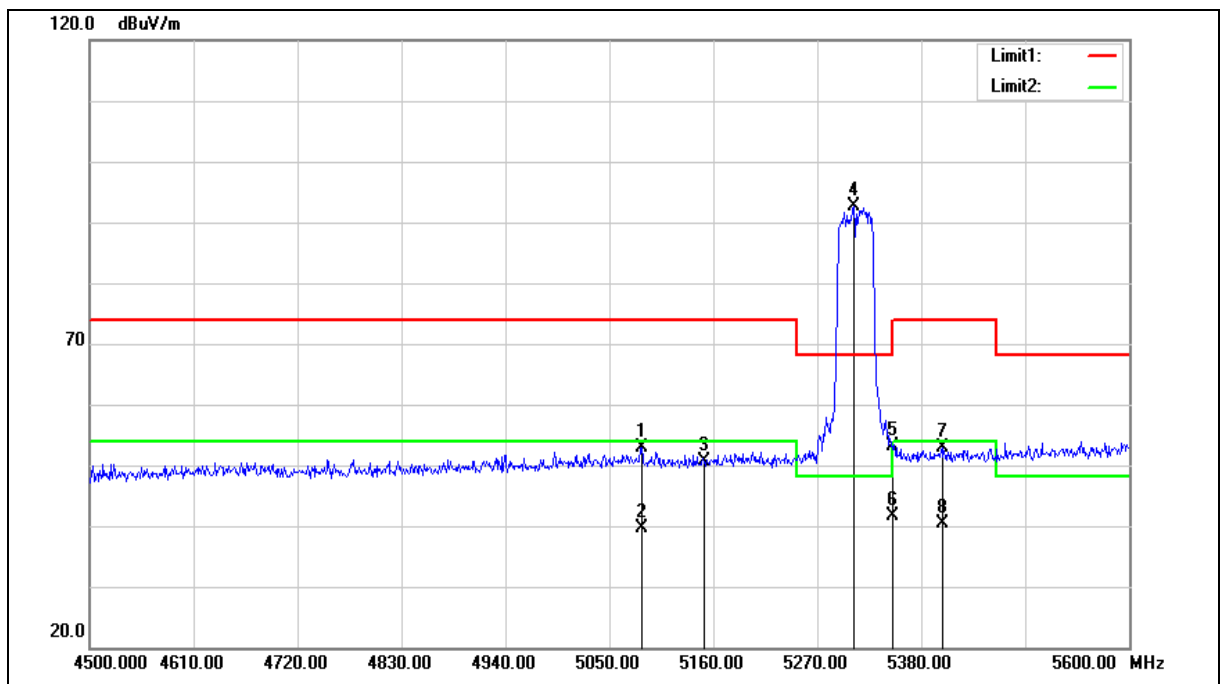
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5130.300	58.87	-4.96	53.91	74.00	-20.09	peak
2	5130.300	47.18	-4.96	42.22	54.00	-11.78	AVG
3	5150.000	69.43	-4.92	64.51	74.00	-9.49	peak
4	5150.000	56.87	-4.92	51.95	54.00	-2.05	AVG
5	5204.000	104.17	-4.79	99.38	---	---	peak
6	5350.000	55.87	-4.44	51.43	74.00	-22.57	peak
7	5452.600	57.26	-4.20	53.06	74.00	-20.94	peak
8	5452.600	44.37	-4.20	40.17	54.00	-13.83	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Horizontal		

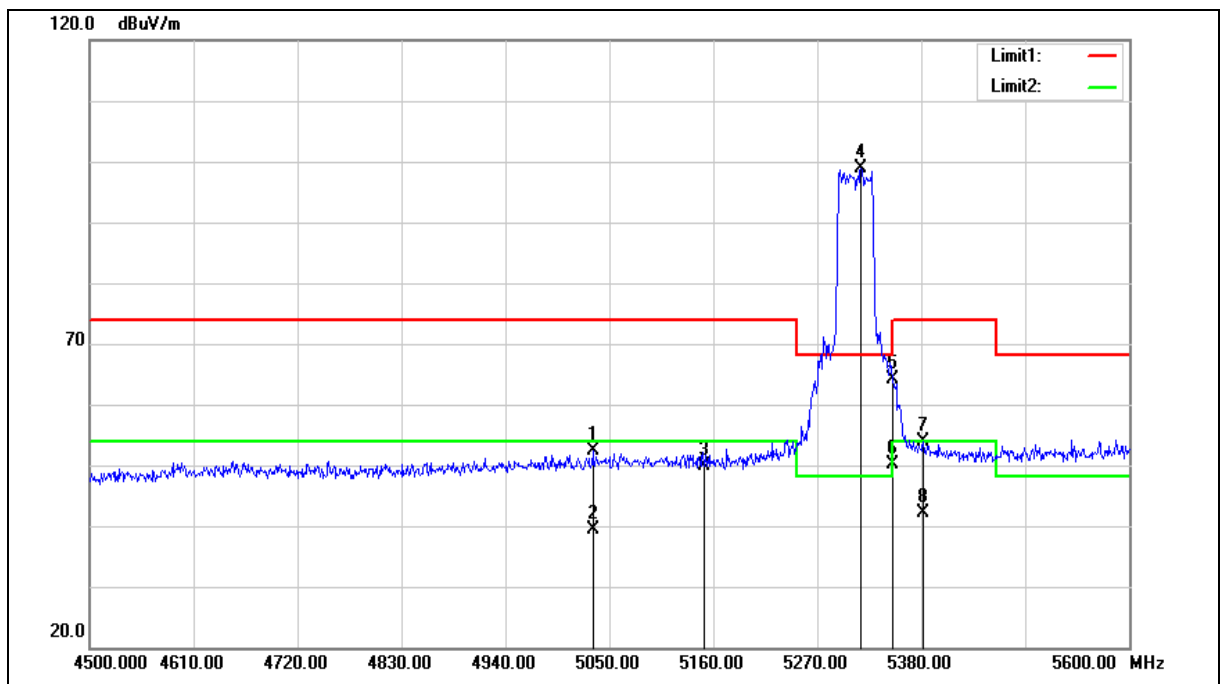
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5084.100	57.92	-5.07	52.85	74.00	-21.15	peak
2	5084.100	44.65	-5.07	39.58	54.00	-14.42	AVG
3	5150.000	55.43	-4.92	50.51	74.00	-23.49	peak
4	5308.500	97.10	-4.54	92.56	---	---	peak
5	5350.000	57.54	-4.44	53.10	74.00	-20.90	peak
6	5350.000	46.11	-4.44	41.67	54.00	-12.33	AVG
7	5403.100	57.09	-4.32	52.77	74.00	-21.23	peak
8	5403.100	44.58	-4.32	40.26	54.00	-13.74	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5310 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Vertical		

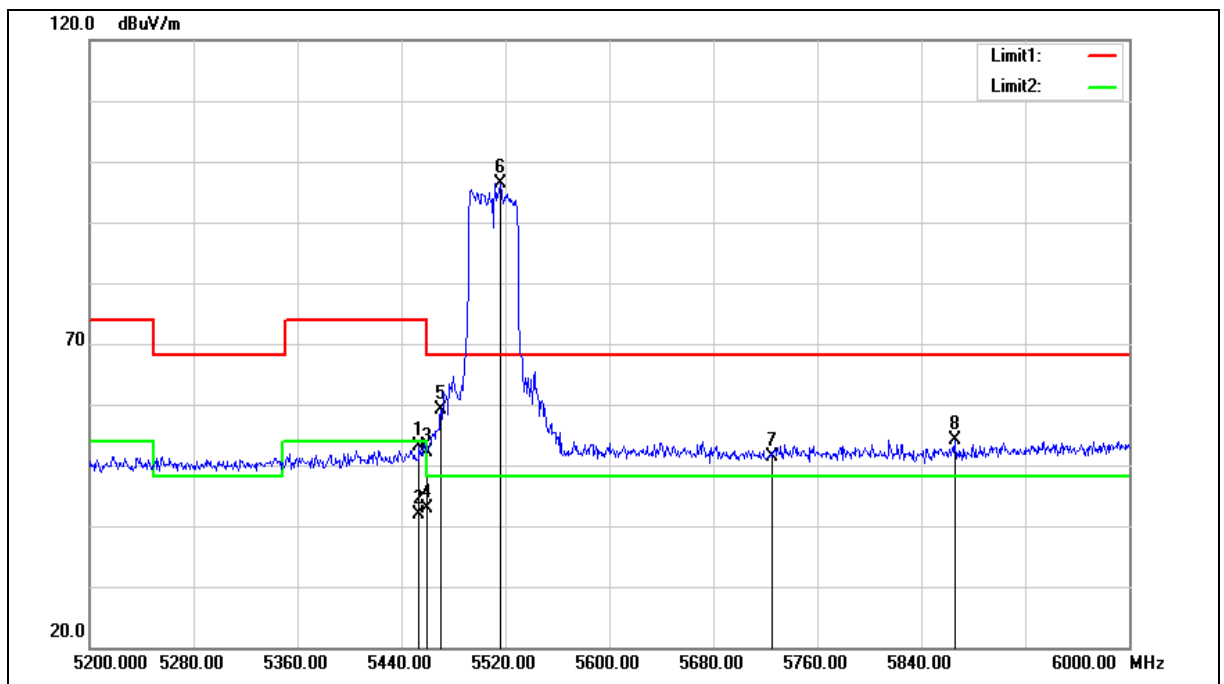
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5032.400	57.47	-5.19	52.28	74.00	-21.72	peak
2	5032.400	44.57	-5.19	39.38	54.00	-14.62	AVG
3	5150.000	54.77	-4.92	49.85	74.00	-24.15	peak
4	5316.200	103.36	-4.52	98.84	---	---	peak
5	5350.000	68.54	-4.44	64.10	74.00	-9.90	peak
6	5350.000	54.50	-4.44	50.06	54.00	-3.94	AVG
7	5382.200	58.34	-4.37	53.97	74.00	-20.03	peak
8	5382.200	46.40	-4.37	42.03	54.00	-11.97	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Horizontal		

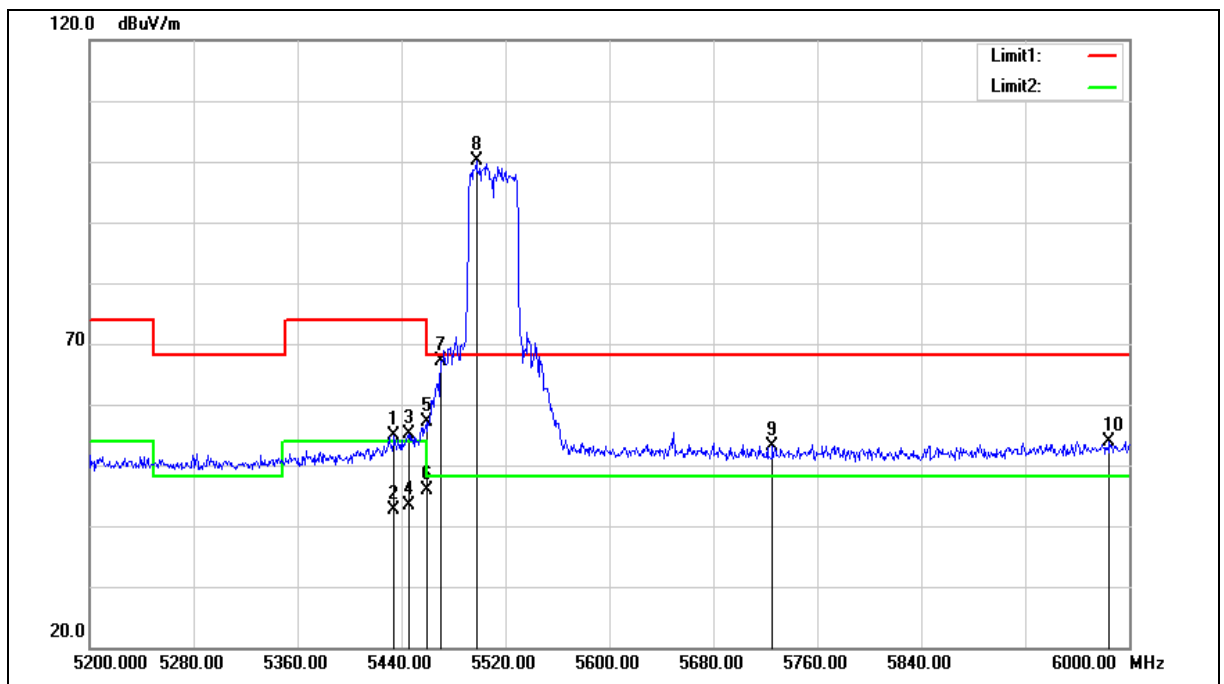
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5453.600	57.32	-4.20	53.12	74.00	-20.88	peak
2	5453.600	46.16	-4.20	41.96	54.00	-12.04	AVG
3	5460.000	56.31	-4.18	52.13	74.00	-21.87	peak
4	5460.000	47.16	-4.18	42.98	54.00	-11.02	AVG
5	5470.000	63.39	-4.16	59.23	68.20	-8.97	peak
6	5516.000	100.45	-4.04	96.41	---	---	peak
7	5725.000	54.83	-3.41	51.42	68.20	-16.78	peak
8	5865.600	57.21	-2.98	54.23	68.20	-13.97	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5510 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Vertical		

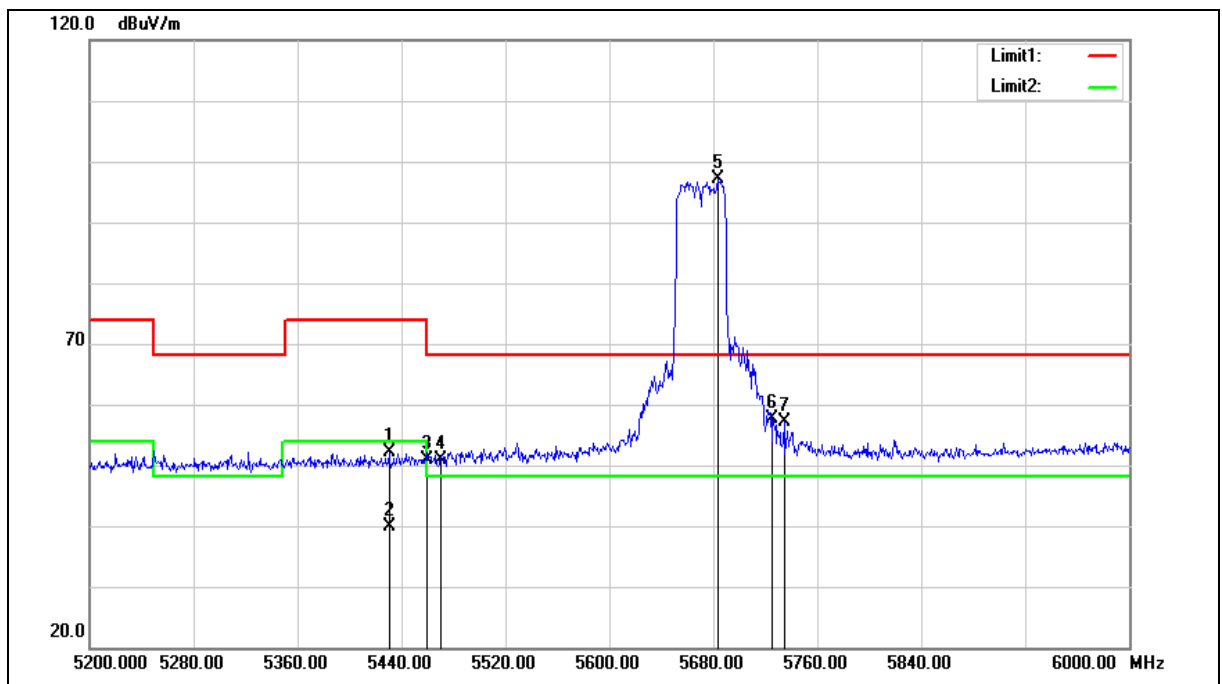
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5434.400	59.02	-4.25	54.77	74.00	-19.23	peak
2	5434.400	46.94	-4.25	42.69	54.00	-11.31	AVG
3	5445.600	59.44	-4.22	55.22	74.00	-18.78	peak
4	5445.600	47.62	-4.22	43.40	54.00	-10.60	AVG
5	5460.000	61.26	-4.18	57.08	74.00	-16.92	peak
6	5460.000	50.14	-4.18	45.96	54.00	-8.04	AVG
7	5470.000	71.36	-4.16	67.20	68.20	-1.00	peak
8	5497.600	104.11	-4.09	100.02	---	---	peak
9	5725.000	56.44	-3.41	53.03	68.20	-15.17	peak
10	5984.800	56.59	-2.61	53.98	68.20	-14.22	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5670 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5670 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Horizontal		

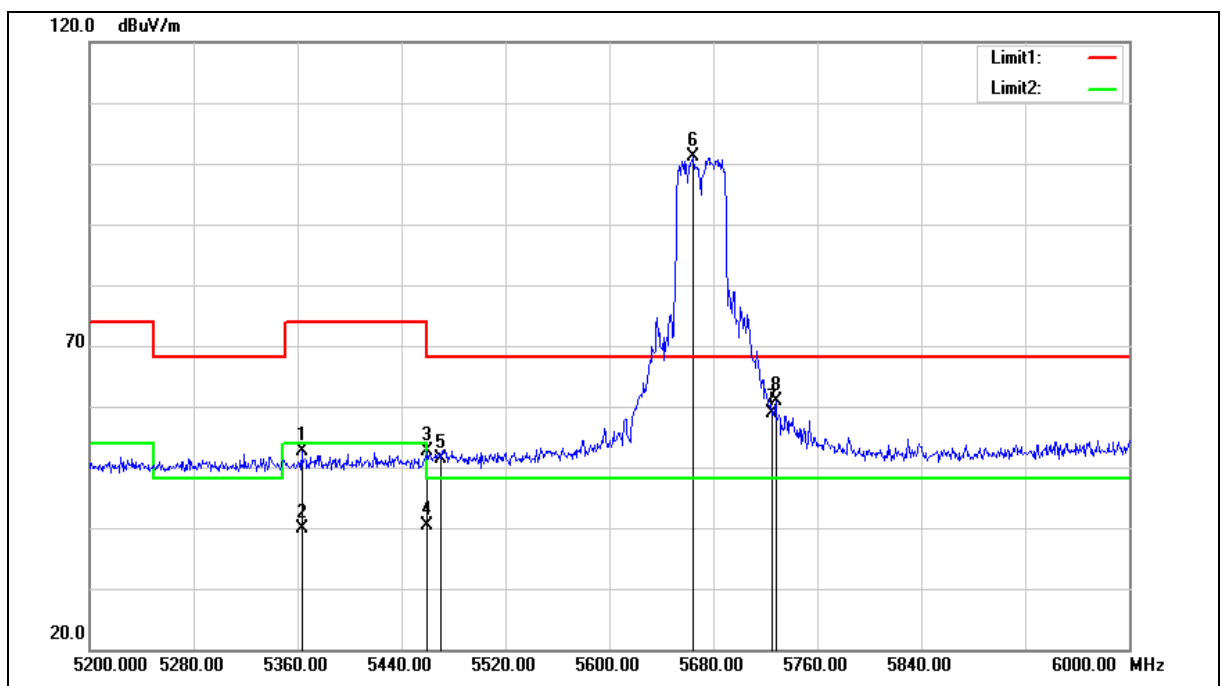
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5430.400	56.30	-4.25	52.05	74.00	-21.95	peak
2	5430.400	44.09	-4.25	39.84	54.00	-14.16	AVG
3	5460.000	55.14	-4.18	50.96	74.00	-23.04	peak
4	5470.000	55.05	-4.16	50.89	68.20	-17.31	peak
5	5683.200	100.55	-3.54	97.01	---	---	peak
6	5725.000	60.94	-3.41	57.53	68.20	-10.67	peak
7	5734.400	60.59	-3.37	57.22	68.20	-10.98	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5670 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5670 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Vertical		

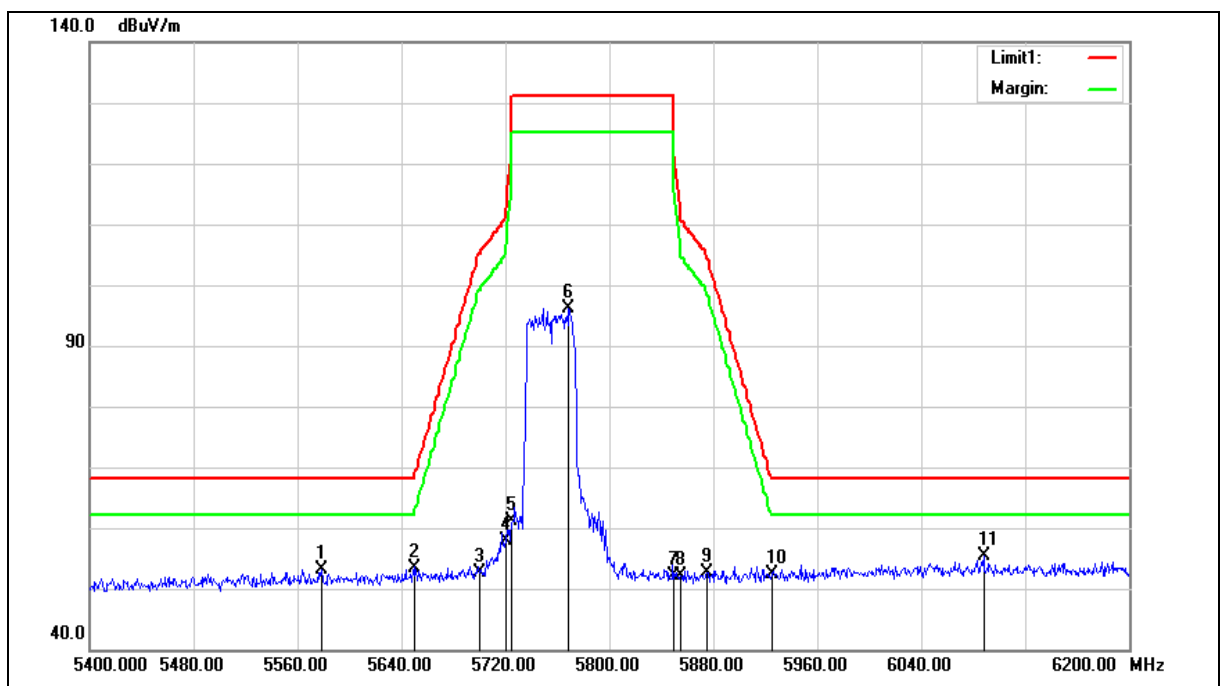
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5363.200	56.97	-4.41	52.56	74.00	-21.44	peak
2	5363.200	44.23	-4.41	39.82	54.00	-14.18	AVG
3	5460.000	56.87	-4.18	52.69	74.00	-21.31	peak
4	5460.000	44.64	-4.18	40.46	54.00	-13.54	AVG
5	5470.000	55.61	-4.16	51.45	68.20	-16.75	peak
6	5664.000	104.66	-3.59	101.07	---	---	peak
7	5725.000	62.24	-3.41	58.83	68.20	-9.37	peak
8	5728.000	64.23	-3.40	60.83	68.20	-7.37	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5755 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5755 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Horizontal		

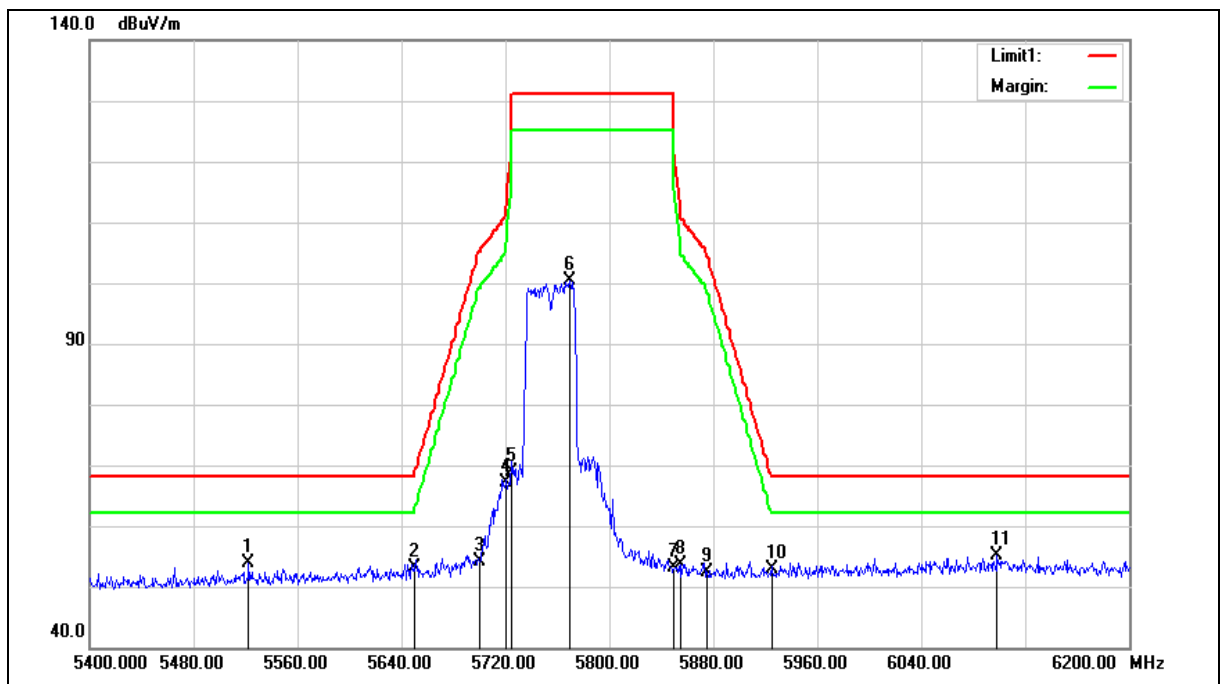
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5578.400	57.00	-3.85	53.15	68.20	-15.05	peak
2	5650.000	57.13	-3.63	53.50	68.20	-14.70	peak
3	5700.000	56.01	-3.48	52.53	105.20	-52.67	peak
4	5720.000	61.28	-3.42	57.86	110.80	-52.94	peak
5	5725.000	64.45	-3.41	61.04	122.20	-61.16	peak
6	5768.800	99.33	-3.27	96.06	---	---	peak
7	5850.000	55.13	-3.03	52.10	122.20	-70.10	peak
8	5855.000	55.13	-3.01	52.12	110.80	-58.68	peak
9	5875.000	55.51	-2.95	52.56	105.20	-52.64	peak
10	5925.000	55.07	-2.80	52.27	68.20	-15.93	peak
11	6088.000	57.76	-2.49	55.27	68.20	-12.93	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5755 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5755 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Vertical		

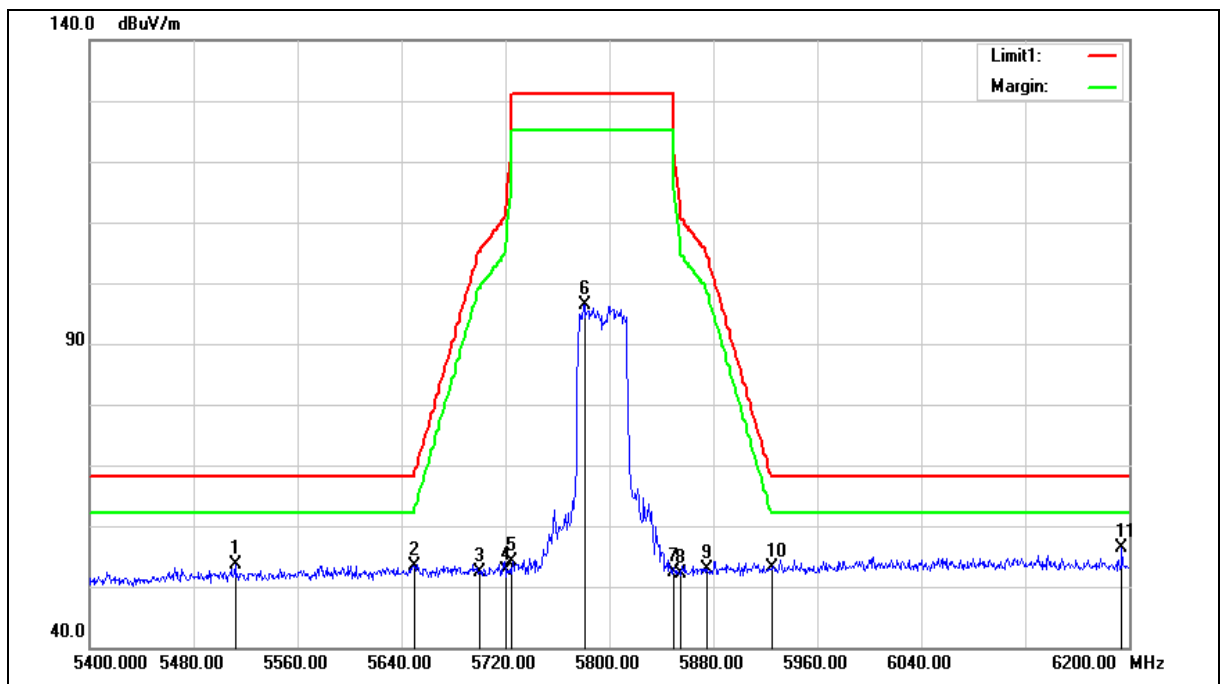
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5522.400	57.90	-4.02	53.88	68.20	-14.32	peak
2	5650.000	56.65	-3.63	53.02	68.20	-15.18	peak
3	5700.000	57.53	-3.48	54.05	105.20	-51.15	peak
4	5720.000	70.47	-3.42	67.05	110.80	-43.75	peak
5	5725.000	72.30	-3.41	68.89	122.20	-53.31	peak
6	5769.600	103.56	-3.27	100.29	---	---	peak
7	5850.000	56.18	-3.03	53.15	122.20	-69.05	peak
8	5855.000	56.69	-3.01	53.68	110.80	-57.12	peak
9	5875.000	55.25	-2.95	52.30	105.20	-52.90	peak
10	5925.000	55.60	-2.80	52.80	68.20	-15.40	peak
11	6098.400	57.62	-2.48	55.14	68.20	-13.06	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5795 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5795 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Horizontal		

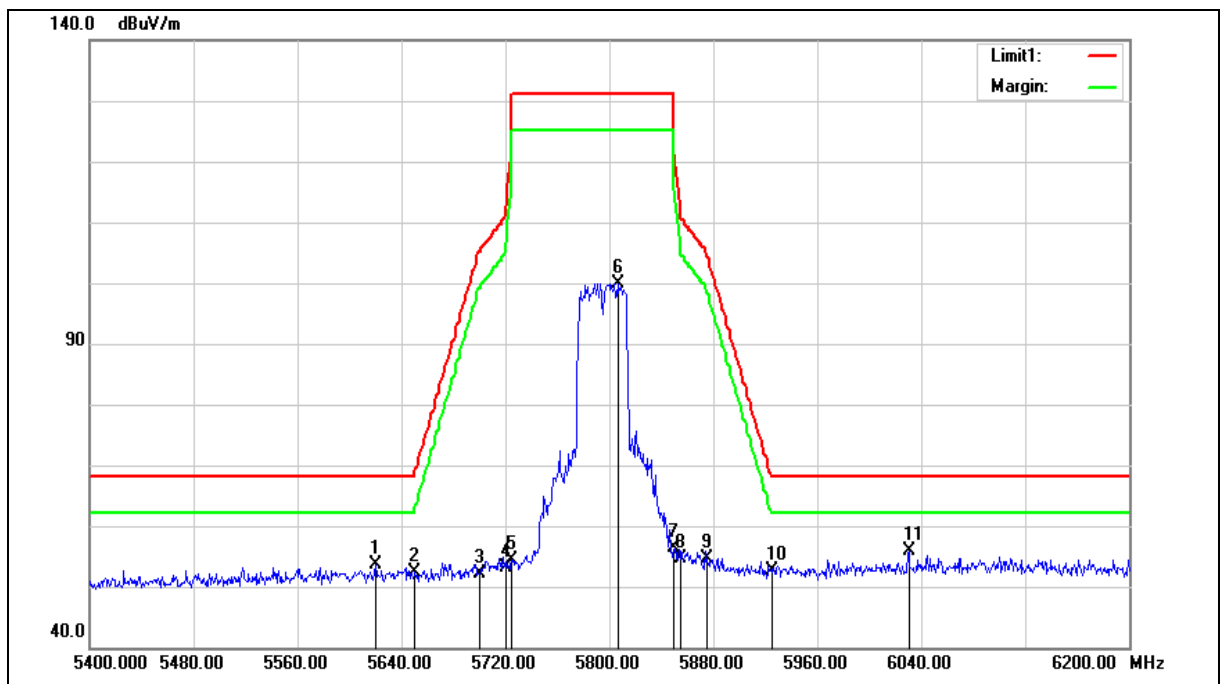
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5512.000	57.60	-4.05	53.55	68.20	-14.65	peak
2	5650.000	57.08	-3.63	53.45	68.20	-14.75	peak
3	5700.000	55.94	-3.48	52.46	105.20	-52.74	peak
4	5720.000	55.99	-3.42	52.57	110.80	-58.23	peak
5	5725.000	57.43	-3.41	54.02	122.20	-68.18	peak
6	5780.800	99.66	-3.24	96.42	---	----	peak
7	5850.000	55.30	-3.03	52.27	122.20	-69.93	peak
8	5855.000	55.03	-3.01	52.02	110.80	-58.78	peak
9	5875.000	55.91	-2.95	52.96	105.20	-52.24	peak
10	5925.000	55.98	-2.80	53.18	68.20	-15.02	peak
11	6194.400	58.66	-2.40	56.26	68.20	-11.94	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5795 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5795 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 9		
Ant.Polar.:	Vertical		

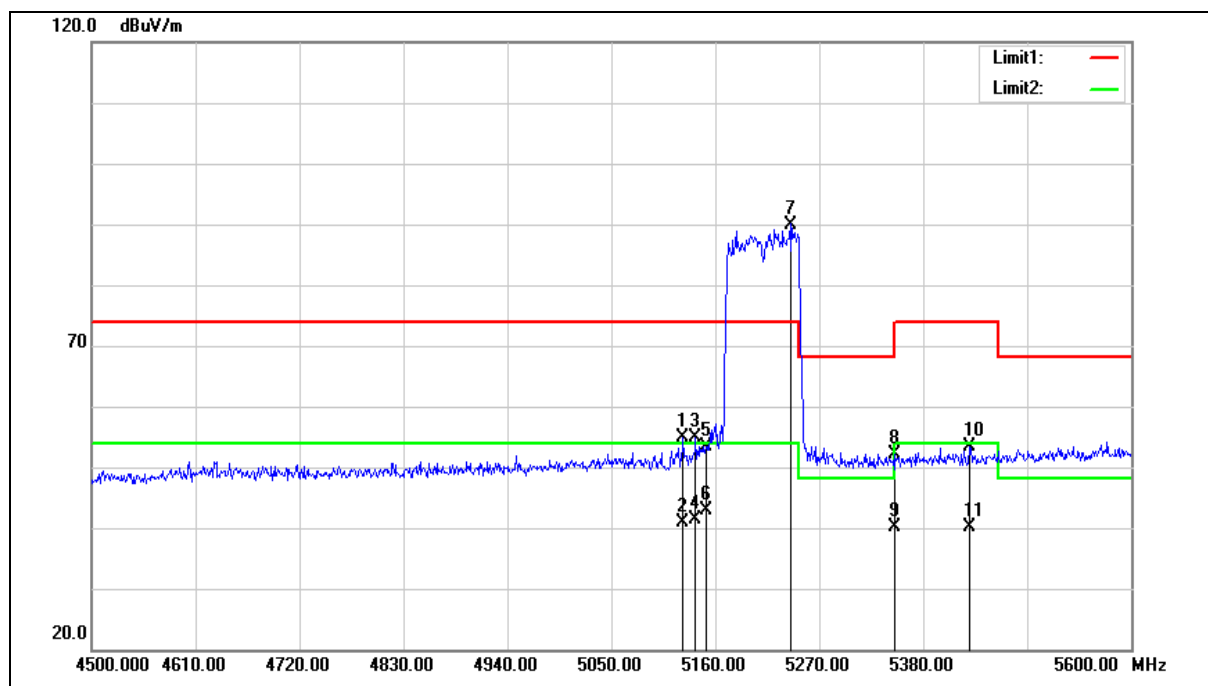
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5620.000	57.25	-3.73	53.52	68.20	-14.68	peak
2	5650.000	55.89	-3.63	52.26	68.20	-15.94	peak
3	5700.000	55.68	-3.48	52.20	105.20	-53.00	peak
4	5720.000	56.50	-3.42	53.08	110.80	-57.72	peak
5	5725.000	57.86	-3.41	54.45	122.20	-67.75	peak
6	5806.400	103.07	-3.16	99.91	---	---	peak
7	5850.000	59.29	-3.03	56.26	122.20	-65.94	peak
8	5855.000	57.62	-3.01	54.61	110.80	-56.19	peak
9	5875.000	57.52	-2.95	54.57	105.20	-50.63	peak
10	5925.000	55.33	-2.80	52.53	68.20	-15.67	peak
11	6030.400	58.33	-2.55	55.78	68.20	-12.42	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Horizontal		

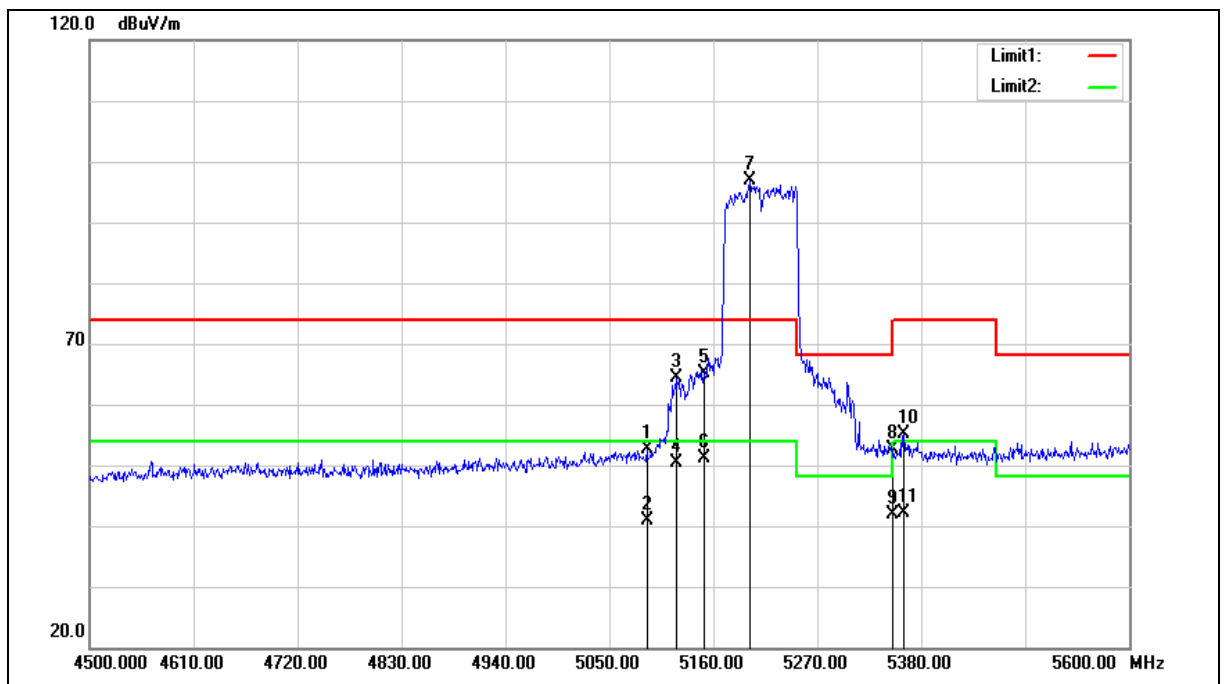
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5125.900	59.79	-4.97	54.82	74.00	-19.18	peak
2	5125.900	45.78	-4.97	40.81	54.00	-13.19	AVG
3	5139.100	59.83	-4.95	54.88	74.00	-19.12	peak
4	5139.100	46.43	-4.95	41.48	54.00	-12.52	AVG
5	5150.000	58.20	-4.92	53.28	74.00	-20.72	peak
6	5150.000	47.89	-4.92	42.97	54.00	-11.03	AVG
7	5239.200	94.71	-4.71	90.00	---	---	peak
8	5350.000	56.66	-4.44	52.22	74.00	-21.78	peak
9	5350.000	44.55	-4.44	40.11	54.00	-13.89	AVG
10	5428.400	57.73	-4.26	53.47	74.00	-20.53	peak
11	5428.400	44.29	-4.26	40.03	54.00	-13.97	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Vertical		

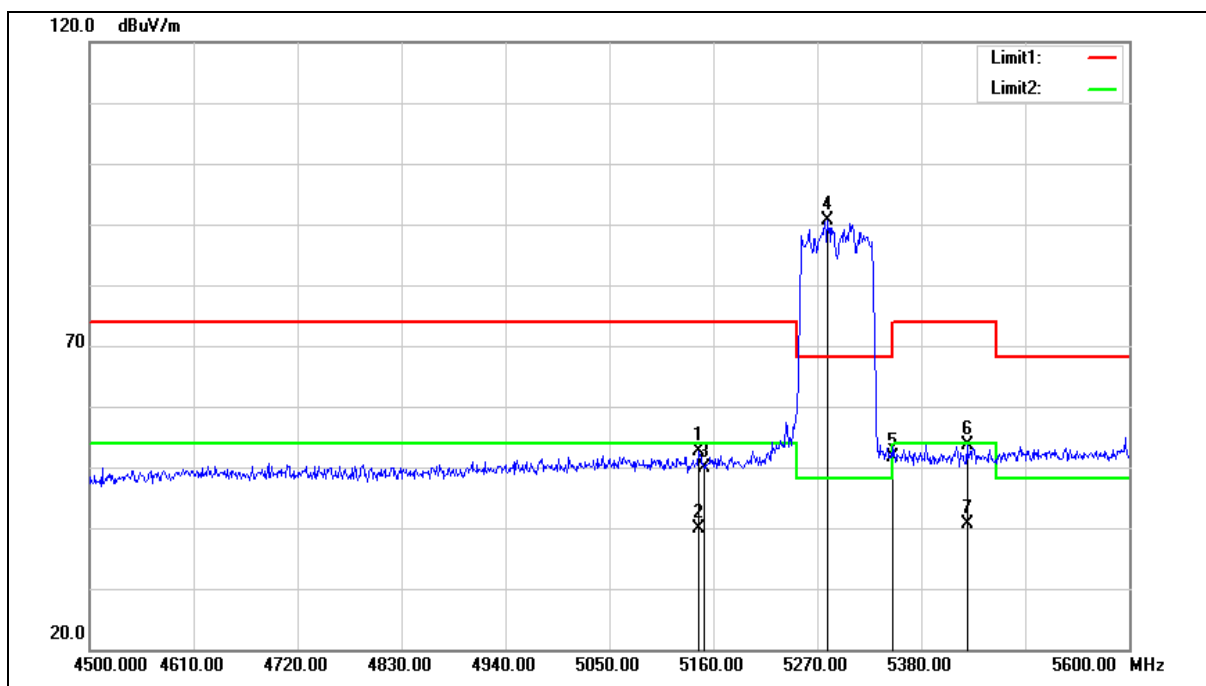
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5089.600	57.62	-5.06	52.56	74.00	-21.44	peak
2	5089.600	46.01	-5.06	40.95	54.00	-13.05	AVG
3	5121.500	69.31	-4.99	64.32	74.00	-9.68	peak
4	5121.500	55.31	-4.99	50.32	54.00	-3.68	AVG
5	5150.000	70.14	-4.92	65.22	74.00	-8.78	peak
6	5150.000	56.15	-4.92	51.23	54.00	-2.77	AVG
7	5198.500	101.65	-4.80	96.85	---	---	peak
8	5350.000	57.07	-4.44	52.63	74.00	-21.37	peak
9	5350.000	46.30	-4.44	41.86	54.00	-12.14	AVG
10	5361.300	59.43	-4.41	55.02	74.00	-18.98	peak
11	5361.300	46.43	-4.41	42.02	54.00	-11.98	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Horizontal		

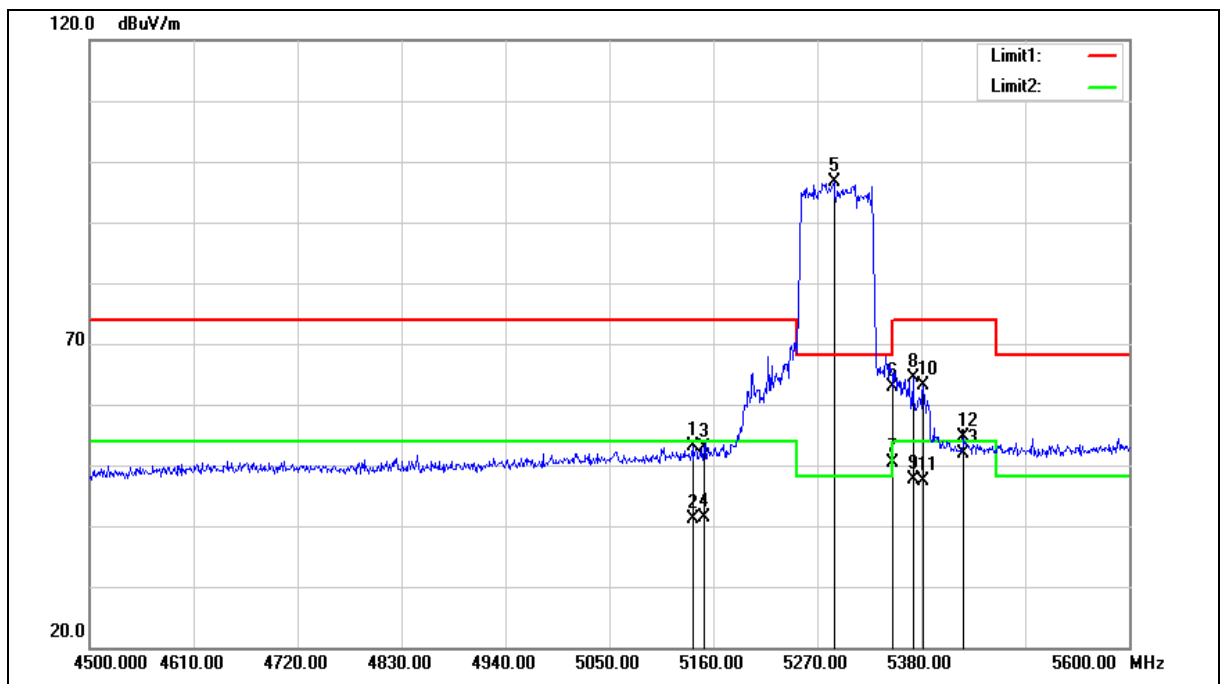
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5144.600	57.53	-4.93	52.60	74.00	-21.40	peak
2	5144.600	44.76	-4.93	39.83	54.00	-14.17	AVG
3	5150.000	54.80	-4.92	49.88	74.00	-24.12	peak
4	5281.000	95.18	-4.61	90.57	---	---	peak
5	5350.000	56.19	-4.44	51.75	74.00	-22.25	peak
6	5428.400	57.99	-4.26	53.73	74.00	-20.27	peak
7	5428.400	44.84	-4.26	40.58	54.00	-13.42	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Vertical		

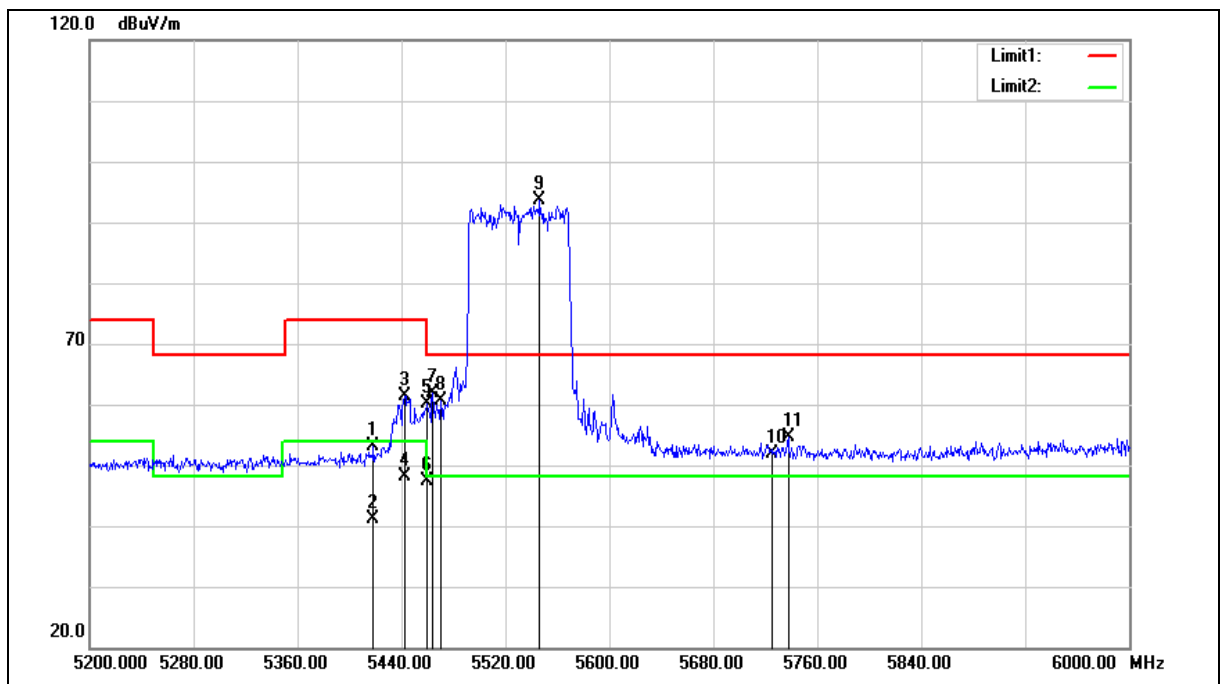
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5138.000	58.01	-4.95	53.06	74.00	-20.94	peak
2	5138.000	46.13	-4.95	41.18	54.00	-12.82	AVG
3	5150.000	57.79	-4.92	52.87	74.00	-21.13	peak
4	5150.000	46.34	-4.92	41.42	54.00	-12.58	AVG
5	5287.600	101.16	-4.59	96.57	---	---	peak
6	5350.000	67.39	-4.44	62.95	74.00	-11.05	peak
7	5350.000	54.75	-4.44	50.31	54.00	-3.69	AVG
8	5371.200	68.68	-4.40	64.28	74.00	-9.72	peak
9	5371.200	52.07	-4.40	47.67	54.00	-6.33	AVG
10	5382.200	67.56	-4.37	63.19	74.00	-10.81	peak
11	5382.200	51.84	-4.37	47.47	54.00	-6.53	AVG
12	5425.100	59.00	-4.26	54.74	74.00	-19.26	peak
13	5425.100	56.08	-4.26	51.82	54.00	-2.18	AVG

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Horizontal		

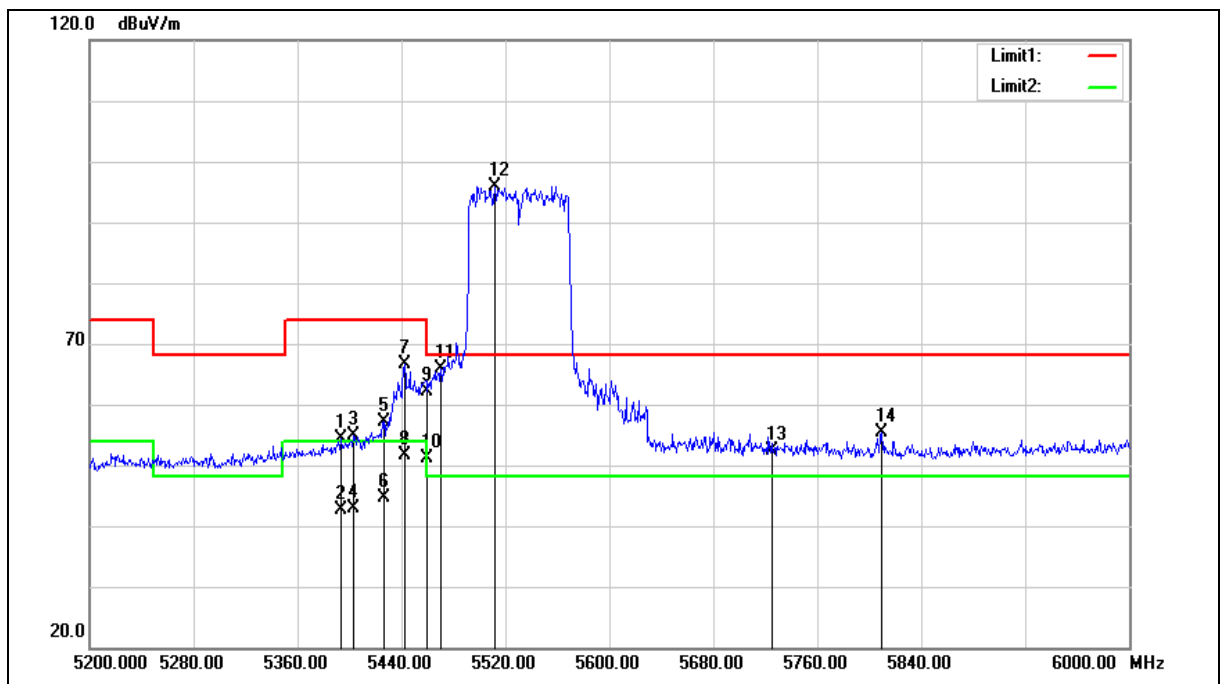
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5418.400	57.51	-4.28	53.23	74.00	-20.77	peak
2	5418.400	45.40	-4.28	41.12	54.00	-12.88	AVG
3	5442.400	65.63	-4.22	61.41	74.00	-12.59	peak
4	5442.400	52.26	-4.22	48.04	54.00	-5.96	AVG
5	5460.000	64.21	-4.18	60.03	74.00	-13.97	peak
6	5460.000	51.54	-4.18	47.36	54.00	-6.64	AVG
7	5464.000	65.93	-4.17	61.76	68.20	-6.44	peak
8	5470.000	64.87	-4.16	60.71	68.20	-7.49	peak
9	5546.400	97.57	-3.95	93.62	---	---	peak
10	5725.000	55.21	-3.41	51.80	68.20	-16.40	peak
11	5737.600	58.07	-3.37	54.70	68.20	-13.50	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Vertical		

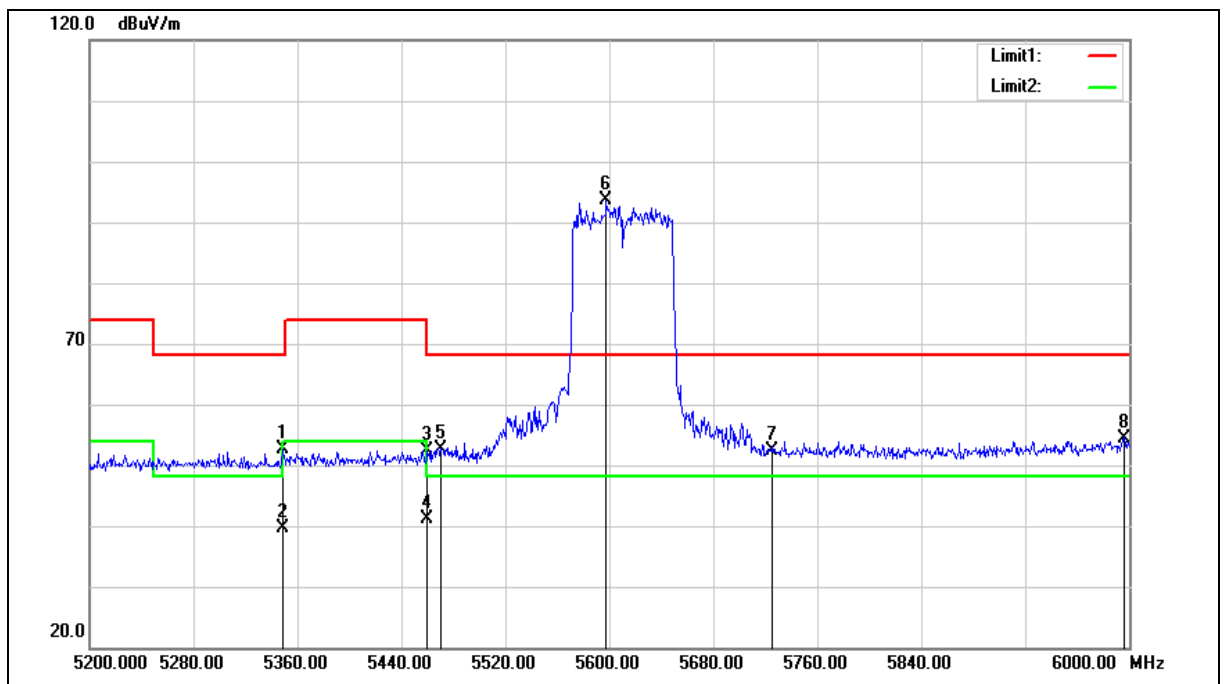
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5393.600	58.79	-4.34	54.45	74.00	-19.55	peak
2	5393.600	47.07	-4.34	42.73	54.00	-11.27	AVG
3	5403.200	59.13	-4.32	54.81	74.00	-19.19	peak
4	5403.200	47.21	-4.32	42.89	54.00	-11.11	AVG
5	5426.400	61.43	-4.26	57.17	74.00	-16.83	peak
6	5426.400	48.78	-4.26	44.52	54.00	-9.48	AVG
7	5442.400	70.92	-4.22	66.70	74.00	-7.30	peak
8	5442.400	55.84	-4.22	51.62	54.00	-2.38	AVG
9	5460.000	66.30	-4.18	62.12	74.00	-11.88	peak
10	5460.000	55.21	-4.18	51.03	54.00	-2.97	AVG
11	5470.000	69.97	-4.16	65.81	68.20	-2.39	peak
12	5512.000	100.01	-4.05	95.96	---	---	peak
13	5725.000	55.91	-3.41	52.50	68.20	-15.70	peak
14	5809.600	58.43	-3.14	55.29	68.20	-12.91	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5610 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5610 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Horizontal		

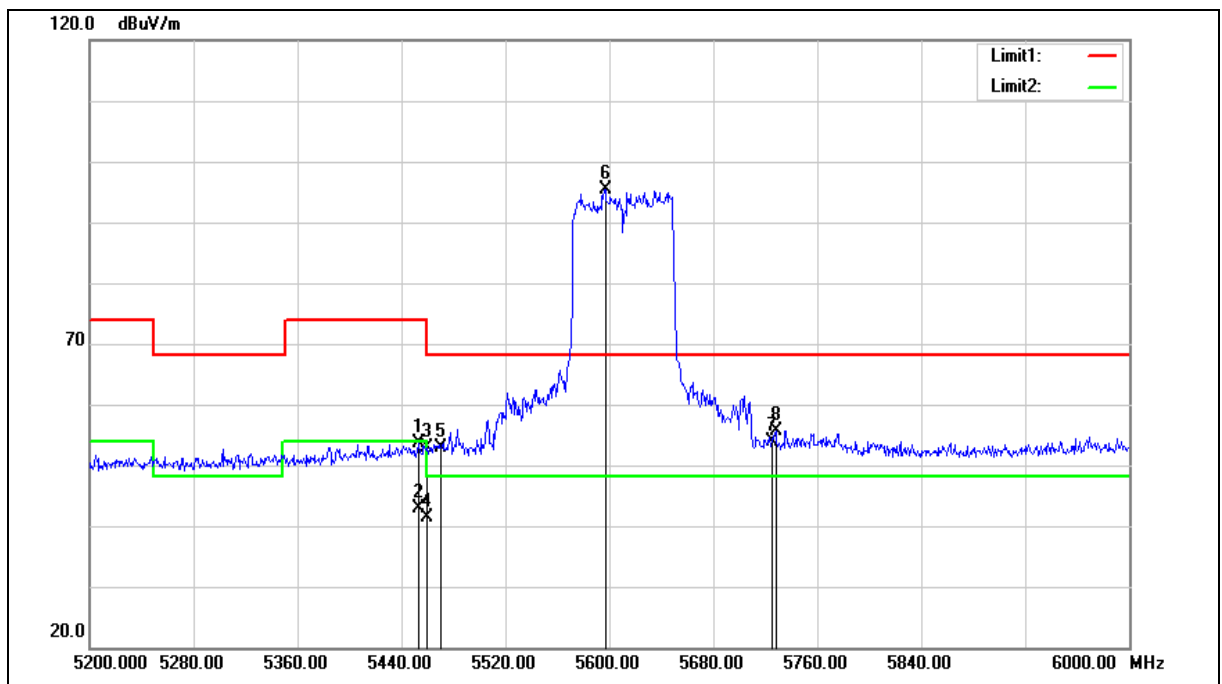
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5348.800	57.03	-4.45	52.58	68.20	-15.62	peak
2	5348.800	44.13	-4.45	39.68	48.20	-8.52	AVG
3	5460.000	56.46	-4.18	52.28	74.00	-21.72	peak
4	5460.000	45.20	-4.18	41.02	54.00	-12.98	AVG
5	5470.000	56.67	-4.16	52.51	68.20	-15.69	peak
6	5597.600	97.46	-3.79	93.67	---	---	peak
7	5725.000	55.85	-3.41	52.44	68.20	-15.76	peak
8	5996.000	57.09	-2.59	54.50	68.20	-13.70	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5610 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5610 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Vertical		

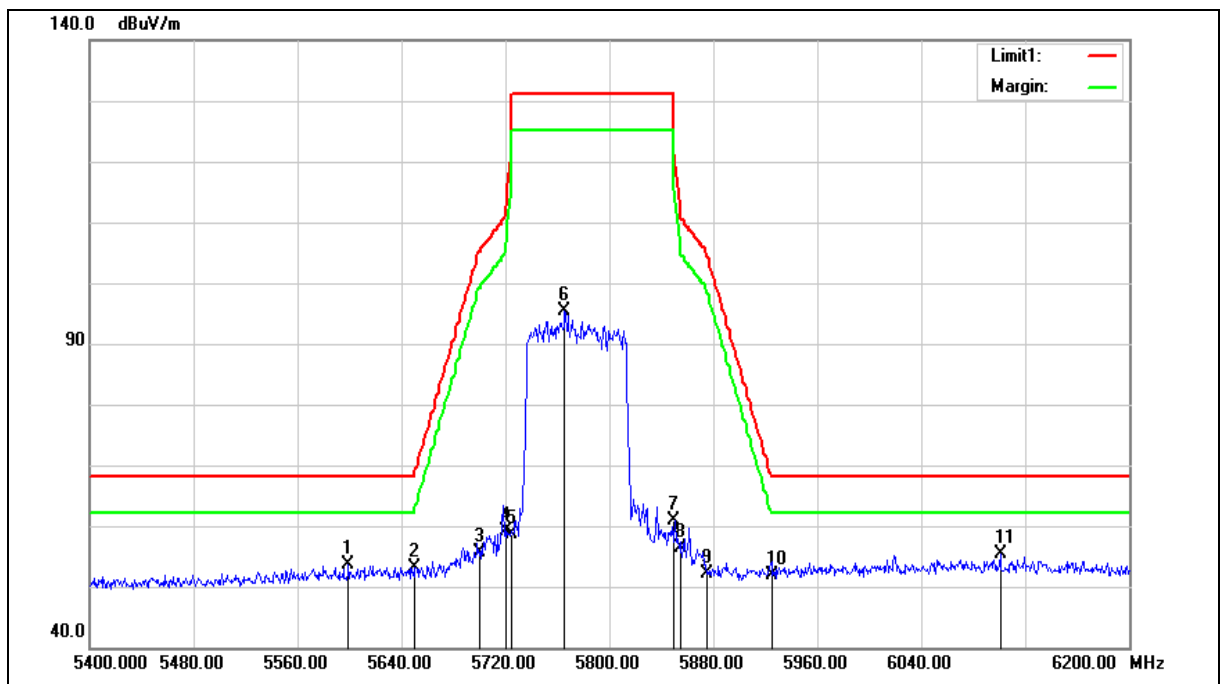
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5452.800	57.74	-4.20	53.54	74.00	-20.46	peak
2	5452.800	46.99	-4.20	42.79	54.00	-11.21	AVG
3	5460.000	57.17	-4.18	52.99	74.00	-21.01	peak
4	5460.000	45.50	-4.18	41.32	54.00	-12.68	AVG
5	5470.000	56.94	-4.16	52.78	68.20	-15.42	peak
6	5596.800	99.28	-3.80	95.48	---	---	peak
7	5725.000	57.33	-3.41	53.92	68.20	-14.28	peak
8	5728.000	59.11	-3.40	55.71	68.20	-12.49	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5775 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5775 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Horizontal		

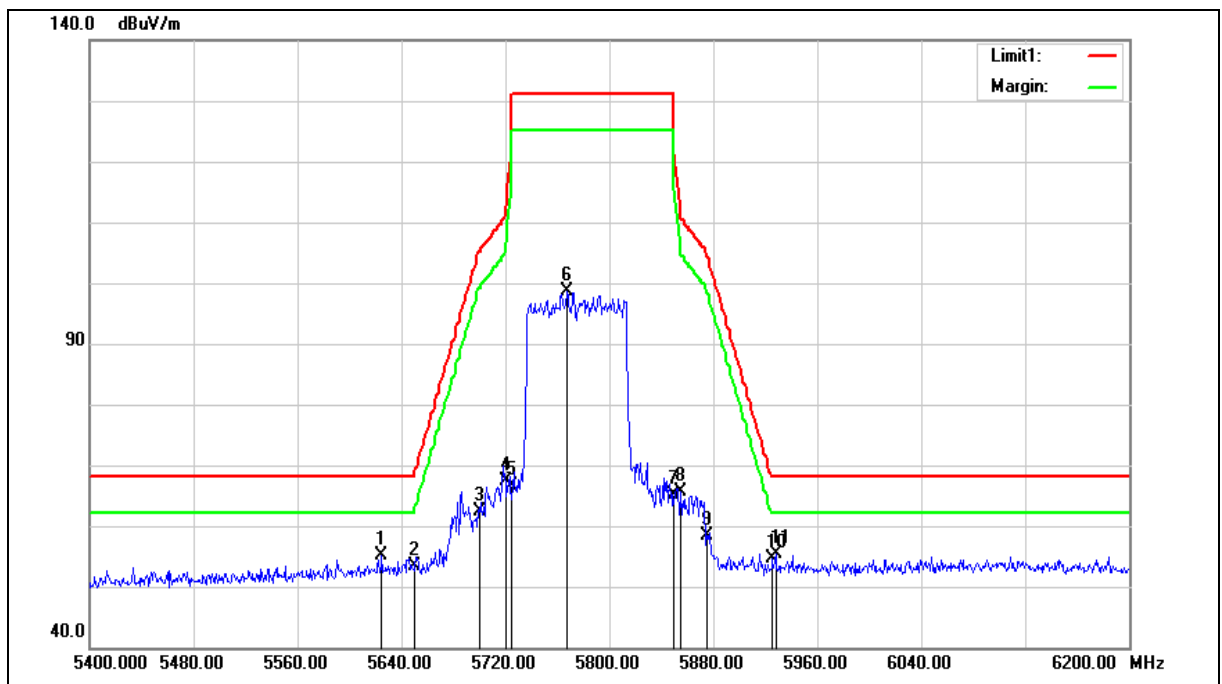
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5599.200	57.53	-3.79	53.74	68.20	-14.46	peak
2	5650.000	56.75	-3.63	53.12	68.20	-15.08	peak
3	5700.000	59.11	-3.48	55.63	105.20	-49.57	peak
4	5720.000	62.56	-3.42	59.14	110.80	-51.66	peak
5	5725.000	62.13	-3.41	58.72	122.20	-63.48	peak
6	5765.600	98.60	-3.29	95.31	---	---	peak
7	5850.000	63.90	-3.03	60.87	122.20	-61.33	peak
8	5855.000	59.48	-3.01	56.47	110.80	-54.33	peak
9	5875.000	55.15	-2.95	52.20	105.20	-53.00	peak
10	5925.000	54.71	-2.80	51.91	68.20	-16.29	peak
11	6100.800	57.92	-2.48	55.44	68.20	-12.76	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5775 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5775 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 10		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5624.800	58.72	-3.71	55.01	68.20	-13.19	peak
2	5650.000	57.13	-3.63	53.50	68.20	-14.70	peak
3	5700.000	65.83	-3.48	62.35	105.20	-42.85	peak
4	5720.000	70.82	-3.42	67.40	110.80	-43.40	peak
5	5725.000	69.97	-3.41	66.56	122.20	-55.64	peak
6	5767.200	101.81	-3.28	98.53	---	---	peak
7	5850.000	68.04	-3.03	65.01	122.20	-57.19	peak
8	5855.000	68.68	-3.01	65.67	110.80	-45.13	peak
9	5875.000	61.26	-2.95	58.31	105.20	-46.89	peak
10	5925.000	57.41	-2.80	54.61	68.20	-13.59	peak
11	5928.000	58.07	-2.79	55.28	68.20	-12.92	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.

4.3.2 最大傳導輸出功率之量測

合格標準:

依據 NCC 低功率射頻電機技術規範(LP0002)之 4.7.3 節之要求:

1. 5.15-5.25 GHz 頻帶

(1) 供戶外操作使用:

- 最大傳導輸出功率不能超過 1 W。
- 在任何 1MHz 頻帶中最大功率頻譜密度不能超過 17 dBm。
- 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。
- 在水平面仰角超過 30 度時，其最大 EIRP 不能超過 21dBm。

(2) 供室內操作使用:

- 最大傳導輸出功率不能超過 1 W。
- 在任何 1MHz 頻帶中最大功率頻譜密度不能超過 17 dBm。
- 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(3) 供固定式點對點操作使用:

- 最大傳導輸出功率不能超過 1 W。
- 在任何 1MHz 頻帶中最大功率頻譜密度不能超過 17 dBm。
- 使用超過 23dBi 方向增益之指向性天線時，應依超過 23dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。
- 固定式點對點操作，不包括點對多點系統、全方向性應用及多台共站發射機傳送相同資訊。

(4) 供行動或可攜式裝置操作使用:

- 最大傳導輸出功率不能超過 250 mW。
- 在任何 1MHz 頻帶中最大功率頻譜密度不能超過 11dBm。
- 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

2. 5.25-5.35 GHz 與 5.470-5.725 GHz 頻帶

- (1) 最大傳導輸出功率不能超過 250 mW 或 $11 \text{ dBm} + 10 \log B$ (B 是 26 dB 發射頻寬，單位 MHz)之較小者。
- (2) 最大功率頻譜密度在任何 1 MHz 頻帶中不能超過 11 dBm。
- (3) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

3. 5.725-5.850 GHz 頻帶

- (1) 最大傳導輸出功率不能超過 1 W。
- (2) 在任何 500 kHz 頻帶中最大功率頻譜密度不能超過 30 dBm。
- (3) 供固定式點對點操作時，使用方向增益超過 6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功率限制值。
- (4) 除(3)外，使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

4. 最大傳導輸出功率必須使用依據均方根等效電壓校準之儀器量測於任何連續傳輸之時段，量測結果須依儀器限制（如偵測器反應時間、相較於發射頻寬有限之解析頻寬能力，靈敏度等）調整得出正確之峰值量測，以符合本段落所提之發射定義。

Diversity mode :

Directional = Max. Gain = 3.46 dBi < 6 dBi

MIMO mode :

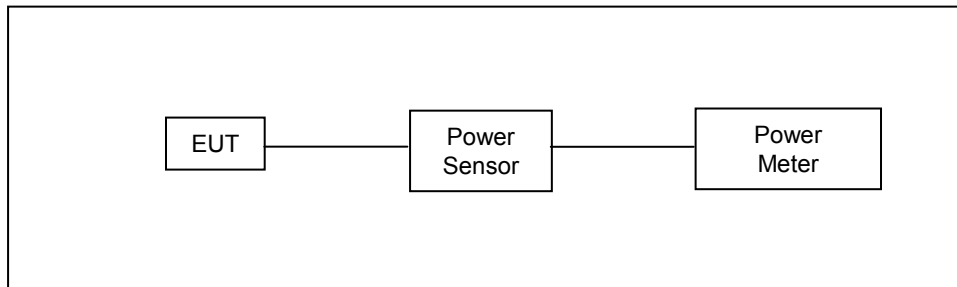
Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\}$ = 6.52 dBi > 6 dBi

power limit shall be reduced = $24 - 0.52 = 23.48$ dBm (5.150 ~ 5.725 GHz)

Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\}$ = 6.52 dBi > 6 dBi

power limit shall be reduced = $30 - 0.52 = 29.48$ dBm (5.725 ~ 5.850 GHz)

測試架構圖：



測試結果:

操作模式 : Mode 5 / Mode 6 / Mode 7 / Mode 8 / Mode 9 / Mode 10								
操作模式	Data Rate (Mbps)	頻道 CH	頻率 MHz	最大傳導輸出功率(Average)				
				ANT-0		ANT-1		Limit (dBm)
				dBm	W	dBm	W	
Mode 5	6	36	5180.0	13.05	0.020	13.71	0.023	≤ 24.00
		40	5200.0	14.38	0.027	15.14	0.033	≤ 24.00
		48	5240.0	14.68	0.029	14.94	0.031	≤ 24.00
		52	5260.0	13.80	0.024	14.25	0.027	≤ 24.00
		56	5280.0	13.85	0.024	14.07	0.026	≤ 24.00
		64	5320.0	12.05	0.016	12.35	0.017	≤ 24.00
		100	5500.0	11.66	0.015	12.96	0.020	≤ 24.00
		112	5560.0	11.68	0.015	13.69	0.023	≤ 24.00
		140	5700.0	10.86	0.012	12.54	0.018	≤ 24.00
		149	5745.0	7.84	0.006	9.15	0.008	≤ 30.00
		157	5785.0	7.82	0.006	9.01	0.008	≤ 30.00
		165	5825.0	7.69	0.006	8.91	0.008	≤ 30.00
Mode 6	13	36	5180.0	12.02	0.016	12.87	0.019	≤ 23.48
		40	5200.0	12.50	0.018	12.90	0.019	≤ 23.48
		48	5240.0	12.41	0.017	12.61	0.018	≤ 23.48
		52	5260.0	12.59	0.018	13.48	0.022	≤ 23.48
		56	5280.0	12.44	0.018	13.24	0.021	≤ 23.48
		64	5320.0	11.48	0.014	11.54	0.014	≤ 23.48
		100	5500.0	10.82	0.012	11.69	0.015	≤ 23.48
		112	5560.0	10.96	0.012	12.62	0.018	≤ 23.48
		140	5700.0	9.54	0.009	11.63	0.015	≤ 23.48
		149	5745.0	6.90	0.005	7.98	0.006	≤ 29.48
		157	5785.0	6.68	0.005	7.84	0.006	≤ 29.48
		165	5825.0	6.11	0.004	7.46	0.006	≤ 29.48
Mode 7	27	38	5190.0	7.72	0.006	8.00	0.006	≤ 23.48
		46	5230.0	12.01	0.016	12.34	0.017	≤ 23.48
		54	5270.0	8.06	0.006	8.48	0.007	≤ 23.48
		62	5310.0	5.30	0.003	5.33	0.003	≤ 23.48
		102	5510.0	8.10	0.006	8.59	0.007	≤ 23.48
		110	5550.0	9.92	0.010	11.92	0.016	≤ 23.48
		134	5670.0	8.79	0.008	11.53	0.014	≤ 23.48
		151	5755.0	6.84	0.005	7.96	0.006	≤ 29.48
		159	5795.0	6.93	0.005	8.09	0.006	≤ 29.48

操作模式 : Mode 5 / Mode 6 / Mode 7 / Mode 8 / Mode 9 / Mode 10								
操作模式	Data Rate (Mbps)	頻道 CH	頻率 MHz	最大傳導輸出功率(Average)				
				ANT-0		ANT-1		Limit (dBm)
				dBm	W	dBm	W	
Mode 8	13	36	5180.0	12.38	0.017	13.09	0.020	≤ 23.48
		40	5200.0	12.91	0.020	13.48	0.022	≤ 23.48
		48	5240.0	12.89	0.019	13.45	0.022	≤ 23.48
		52	5260.0	12.97	0.020	13.57	0.023	≤ 23.48
		56	5280.0	12.88	0.019	13.49	0.022	≤ 23.48
		64	5320.0	11.48	0.014	11.68	0.015	≤ 23.48
		100	5500.0	11.13	0.013	12.28	0.017	≤ 23.48
		112	5560.0	11.33	0.014	12.96	0.020	≤ 23.48
		140	5700.0	10.00	0.010	11.93	0.016	≤ 23.48
		149	5745.0	7.21	0.005	8.41	0.007	≤ 29.48
		157	5785.0	7.10	0.005	8.26	0.007	≤ 29.48
		165	5825.0	6.62	0.005	7.93	0.006	≤ 29.48
Mode 9	27	38	5190.0	7.92	0.006	8.15	0.007	≤ 23.48
		46	5230.0	12.69	0.019	12.83	0.019	≤ 23.48
		54	5270.0	8.34	0.007	8.63	0.007	≤ 23.48
		62	5310.0	5.75	0.004	5.88	0.004	≤ 23.48
		102	5510.0	8.30	0.007	8.82	0.008	≤ 23.48
		110	5550.0	10.31	0.011	12.07	0.016	≤ 23.48
		134	5670.0	9.36	0.009	11.67	0.015	≤ 23.48
		151	5755.0	7.20	0.005	8.48	0.007	≤ 29.48
		159	5795.0	7.01	0.005	8.12	0.006	≤ 29.48
Mode 10	58.6	42	5210.0	6.95	0.005	7.52	0.006	≤ 23.48
		58	5290.0	4.52	0.003	6.17	0.004	≤ 23.48
		106	5530.0	8.00	0.006	9.01	0.008	≤ 23.48
		122	5610.0	7.29	0.005	9.19	0.008	≤ 23.48
		155	5775.0	7.62	0.006	8.73	0.007	≤ 29.48

操作模式 : Mode 6 / Mode 7 / Mode 8 / Mode 9 / Mode 10						
操作模式	Data Rate (Mbps)	頻道 CH	頻率 MHz	最大傳導輸出功率(Average)		
				ANT-0+1		Limit (dBm)
				dBm	W	
Mode 6	13	36	5180.0	15.48	0.035	≤ 23.48
		40	5200.0	15.71	0.037	≤ 23.48
		48	5240.0	15.52	0.036	≤ 23.48
		52	5260.0	16.07	0.040	≤ 23.48
		56	5280.0	15.87	0.039	≤ 23.48
		64	5320.0	14.52	0.028	≤ 23.48
		100	5500.0	14.29	0.027	≤ 23.48
		112	5560.0	14.88	0.031	≤ 23.48
		140	5700.0	13.72	0.024	≤ 23.48
		149	5745.0	10.48	0.011	≤ 29.48
		157	5785.0	10.31	0.011	≤ 29.48
		165	5825.0	9.85	0.010	≤ 29.48
Mode 7	27	38	5190.0	10.87	0.012	≤ 23.48
		46	5230.0	15.19	0.033	≤ 23.48
		54	5270.0	11.29	0.013	≤ 23.48
		62	5310.0	8.33	0.007	≤ 23.48
		102	5510.0	11.36	0.014	≤ 23.48
		110	5550.0	14.04	0.025	≤ 23.48
		134	5670.0	13.38	0.022	≤ 23.48
		151	5755.0	10.45	0.011	≤ 29.48
		159	5795.0	10.56	0.011	≤ 29.48

操作模式 : Mode 6 / Mode 7 / Mode 8 / Mode 9 / Mode 10						
操作模式	Data Rate (Mbps)	頻道 CH	頻率 MHz	最大傳導輸出功率(Average)		
				ANT-0+1		Limit (dBm)
				dBm	W	
Mode 8	13	36	5180.0	15.76	0.038	≤ 23.48
		40	5200.0	16.21	0.042	≤ 23.48
		48	5240.0	16.19	0.042	≤ 23.48
		52	5260.0	16.29	0.043	≤ 23.48
		56	5280.0	16.21	0.042	≤ 23.48
		64	5320.0	14.59	0.029	≤ 23.48
		100	5500.0	14.75	0.030	≤ 23.48
		112	5560.0	15.23	0.033	≤ 23.48
		140	5700.0	14.08	0.026	≤ 23.48
		149	5745.0	10.86	0.012	≤ 29.48
		157	5785.0	10.73	0.012	≤ 29.48
		165	5825.0	10.33	0.011	≤ 29.48
Mode 9	27	38	5190.0	11.05	0.013	≤ 23.48
		46	5230.0	15.77	0.038	≤ 23.48
		54	5270.0	11.50	0.014	≤ 23.48
		62	5310.0	8.83	0.008	≤ 23.48
		102	5510.0	11.58	0.014	≤ 23.48
		110	5550.0	14.29	0.027	≤ 23.48
		134	5670.0	13.68	0.023	≤ 23.48
		151	5755.0	10.90	0.012	≤ 29.48
		159	5795.0	10.61	0.012	≤ 29.48
Mode 10	58.6	42	5210.0	10.25	0.011	≤ 23.48
		58	5290.0	8.43	0.007	≤ 23.48
		106	5530.0	11.54	0.014	≤ 23.48
		122	5610.0	11.35	0.014	≤ 23.48
		155	5775.0	11.22	0.013	≤ 29.48

4.3.3 最大傳導功率頻譜密度之要求

合格標準:

依據 NCC 低功率射頻電機技術規範(LP0002)之 4.7.3 節之要求:

1. 5.15-5.25 GHz 頻帶

(1) 供戶外操作使用:

- 在任何 1 MHz 頻帶中最大功率頻譜密度不能超過 17 dBm。
- 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。
- 在水平面仰角超過 30 度時，其最大 EIRP 不能超過 21 dBm。

(2) 供室內操作使用:

- 在任何 1 MHz 頻帶中最大功率頻譜密度不能超過 17 dBm。
- 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(3) 供固定式點對點操作使用:

- 在任何 1 MHz 頻帶中最大功率頻譜密度不能超過 17 dBm。
- 使用超過 23 dBi 方向增益之指向性天線時，應依超過 23 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。
- 固定式點對點操作，不包括點對多點系統、全方向性應用及多台共站發射機傳送相同資訊。

(4) 供行動或可攜式裝置操作使用:

- 在任何 1 MHz 頻帶中最大功率頻譜密度不能超過 11 dBm。
- 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

2. 5.25-5.35 GHz 與 5.470-5.725 GHz 頻帶

(1) 最大功率頻譜密度在任何 1 MHz 頻帶中不能超過 11 dBm。

(2) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

3. 5.725-5.850 GHz 頻帶

(1) 在任何 500 kHz 頻帶中最大功率頻譜密度不能超過 30 dBm。

(2) 供固定式點對點操作時，使用方向增益超過 6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功率限制值。

(3) 除(2)外，使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

4. 最大功率頻譜密度量測規定:

(1) 應將量測儀器直接連接待測物，以傳導方式執行。

(2) 5.15 GHz~5.25 GHz、5.25 GHz~5.35 GHz 及 5.47 GHz~5.725 GHz 頻帶，量測儀器之頻寬應設定為 1 MHz 頻寬或待測物之 26 dB 發射頻寬，兩者取較小者。

(3) 5.725 GHz~5.850 GHz 頻帶，量測器之頻寬應設定為 500 kHz 或待測物之 26 dB 發射頻寬，兩者取較小者。

(4) 解析頻寬小於(2)或(3)時，應以補償方式計算總功率頻譜密度。

Diversity mode :

Directional = Max. Gain = 3.46 dBi < 6 dBi

MIMO mode :

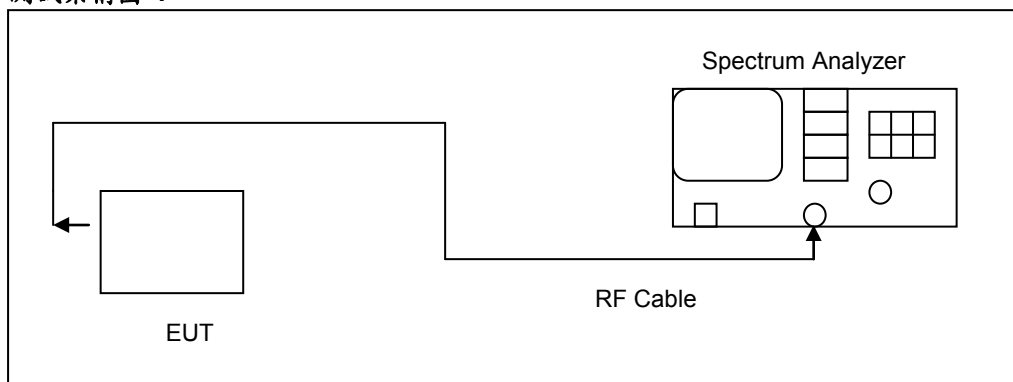
Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\}$ = 6.52 dBi > 6 dBi

Conducted Power Spectral Density Limit = 11 - 0.52 = 10.48 dBm/MHz (5.150 ~ 5.725 GHz)

Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\}$ = 6.52 dBi > 6 dBi;

Conducted Power Spectral Density Limit = 30 - 0.52 = 29.48 dBm/500 kHz (5.725 ~ 5.850 GHz)

測試架構圖：



測試結果:

操作模式	: Mode 8 / Mode 9 / Mode 10
------	-----------------------------

ANT-0						
操作模式	頻道 (CH)	頻率 (MHz)	量測值 (dBm/MHz)	Duty Factor (dB)	轉換值 (dBm/MHz)	限制值 (dBm/MHz)
Mode 8	36	5180.0	0.298	0.700	0.998	10.48
	40	5200.0	1.188	0.700	1.888	10.48
	48	5240.0	0.973	0.700	1.673	10.48
	52	5260.0	0.682	0.700	1.382	10.48
	56	5280.0	0.606	0.700	1.306	10.48
	64	5320.0	-0.637	0.700	0.063	10.48
	100	5500.0	-0.688	0.700	0.012	10.48
	112	5560.0	-1.110	0.700	-0.410	10.48
	140	5700.0	-2.490	0.700	-1.790	10.48
Mode 9	38	5190.0	-7.476	1.217	-6.259	10.48
	46	5230.0	-3.257	1.217	-2.040	10.48
	54	5270.0	-7.037	1.217	-5.820	10.48
	62	5310.0	-9.453	1.217	-8.236	10.48
	102	5510.0	-7.191	1.217	-5.974	10.48
	110	5550.0	-4.942	1.217	-3.725	10.48
	134	5670.0	-6.278	1.217	-5.061	10.48
Mode 10	42	5210.0	-11.310	1.584	-9.726	10.48
	58	5290.0	-12.310	1.584	-10.726	10.48
	106	5530.0	-10.498	1.584	-8.914	10.48
	122	5610.0	-11.078	1.584	-9.494	10.48

Note: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + dutNote: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + duty factory.
 Conversion ration = 10*Log(500 kHz/100 kHz)

ANT-0						
操作模式	頻道 (CH)	頻率 (MHz)	量測值 (dBm/100 kHz)	Duty Factor (dB)	轉換值 (dBm/500 kHz)	限制值 (dBm/500 kHz)
Mode 8	149	5745.0	-10.790	0.700	-3.100	29.48
	157	5785.0	-11.164	0.700	-3.474	29.48
	165	5825.0	-11.655	0.700	-3.965	29.48
Mode 9	151	5755.0	-13.194	1.217	-4.987	29.48
	159	5795.0	-13.542	1.217	-5.335	29.48
Mode 10	155	5775.0	-15.778	1.584	-7.205	29.48

Note: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + duty factory.
 Conversion ration = 10*Log(500 kHz/100 kHz)

操作模式	: Mode 5 / Mode 8 / Mode 9 / Mode 10
------	--------------------------------------

ANT-1						
操作模式	頻道 (CH)	頻率 (MHz)	量測值 (dBm/MHz)	Duty Factor (dB)	轉換值 (dBm/MHz)	限制值 (dBm/MHz)
Mode 5	36	5180.0	3.044	0.073	3.117	11.00
	40	5200.0	4.938	0.073	5.011	11.00
	48	5240.0	4.563	0.073	4.636	11.00
	52	5260.0	3.990	0.073	4.063	11.00
	56	5280.0	3.823	0.073	3.896	11.00
	64	5320.0	1.960	0.073	2.033	11.00
	100	5500.0	2.909	0.073	2.982	11.00
	112	5560.0	3.386	0.073	3.459	11.00
Mode 8	140	5700.0	1.938	0.073	2.011	11.00
	36	5180.0	1.033	0.700	1.733	10.48
	40	5200.0	1.814	0.700	2.514	10.48
	48	5240.0	1.679	0.700	2.379	10.48
	52	5260.0	1.597	0.700	2.297	10.48
	56	5280.0	1.519	0.700	2.219	10.48
	64	5320.0	-0.265	0.700	0.435	10.48
	100	5500.0	0.484	0.700	1.184	10.48
Mode 9	112	5560.0	1.036	0.700	1.736	10.48
	140	5700.0	0.257	0.700	0.957	10.48
	38	5190.0	-7.352	1.217	-6.135	10.48
	46	5230.0	-2.220	1.217	-1.003	10.48
	54	5270.0	-7.030	1.217	-5.813	10.48
	62	5310.0	-9.375	1.217	-8.158	10.48
	102	5510.0	-6.233	1.217	-5.016	10.48
Mode 10	110	5550.0	-3.096	1.217	-1.879	10.48
	134	5670.0	-4.158	1.217	-2.941	10.48
	42	5210.0	-11.295	1.584	-9.711	10.48
	58	5290.0	-11.333	1.584	-9.749	10.48
	106	5530.0	-9.490	1.584	-7.906	10.48
	122	5610.0	-9.016	1.584	-7.432	10.48

Note: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + dutNote: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + duty factory.

Conversion ration = 10*Log(500 kHz/100 kHz)

操作模式	: Mode 5 / Mode 8 / Mode 9 / Mode 10
------	--------------------------------------

ANT-1						
操作模式	頻道 (CH)	頻率 (MHz)	量測值 (dBm/100 kHz)	Duty Factor (dB)	轉換值 (dBm/500 kHz)	限制值 (dBm/500 kHz)
Mode 5	149	5745.0	-9.643	0.073	-2.581	30.00
	157	5785.0	-9.791	0.073	-2.729	30.00
	165	5825.0	-9.843	0.073	-2.781	30.00
Mode 8	149	5745.0	-10.586	0.700	-2.896	29.48
	157	5785.0	-10.668	0.700	-2.978	29.48
	165	5825.0	-10.835	0.700	-3.145	29.48
Mode 9	151	5755.0	-12.408	1.217	-4.201	29.48
	159	5795.0	-12.822	1.217	-4.615	29.48
Mode 10	155	5775.0	-14.601	1.584	-6.028	29.48

Note: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + duty factory.

Conversion ration = 10*Log(500 kHz/100 kHz)

操作模式	: Mode 8 / Mode 9 / Mode 10
------	-----------------------------

ANT-0+1				
操作模式	頻道 (CH)	頻率 (MHz)	轉換值(dBm/MHz)	限制值 (dBm/MHz)
Mode 8	36	5180.0	4.392	10.48
	40	5200.0	5.223	10.48
	48	5240.0	5.051	10.48
	52	5260.0	4.874	10.48
	56	5280.0	4.797	10.48
	64	5320.0	3.264	10.48
	100	5500.0	3.648	10.48
	112	5560.0	3.805	10.48
Mode 9	140	5700.0	2.808	10.48
	38	5190.0	-3.186	10.48
	46	5230.0	1.520	10.48
	54	5270.0	-2.806	10.48
	62	5310.0	-5.186	10.48
	102	5510.0	-2.458	10.48
	110	5550.0	0.306	10.48
Mode 10	134	5670.0	-0.862	10.48
	42	5210.0	-6.709	10.48
	58	5290.0	-7.200	10.48
	106	5530.0	-5.371	10.48
	122	5610.0	-5.332	10.48

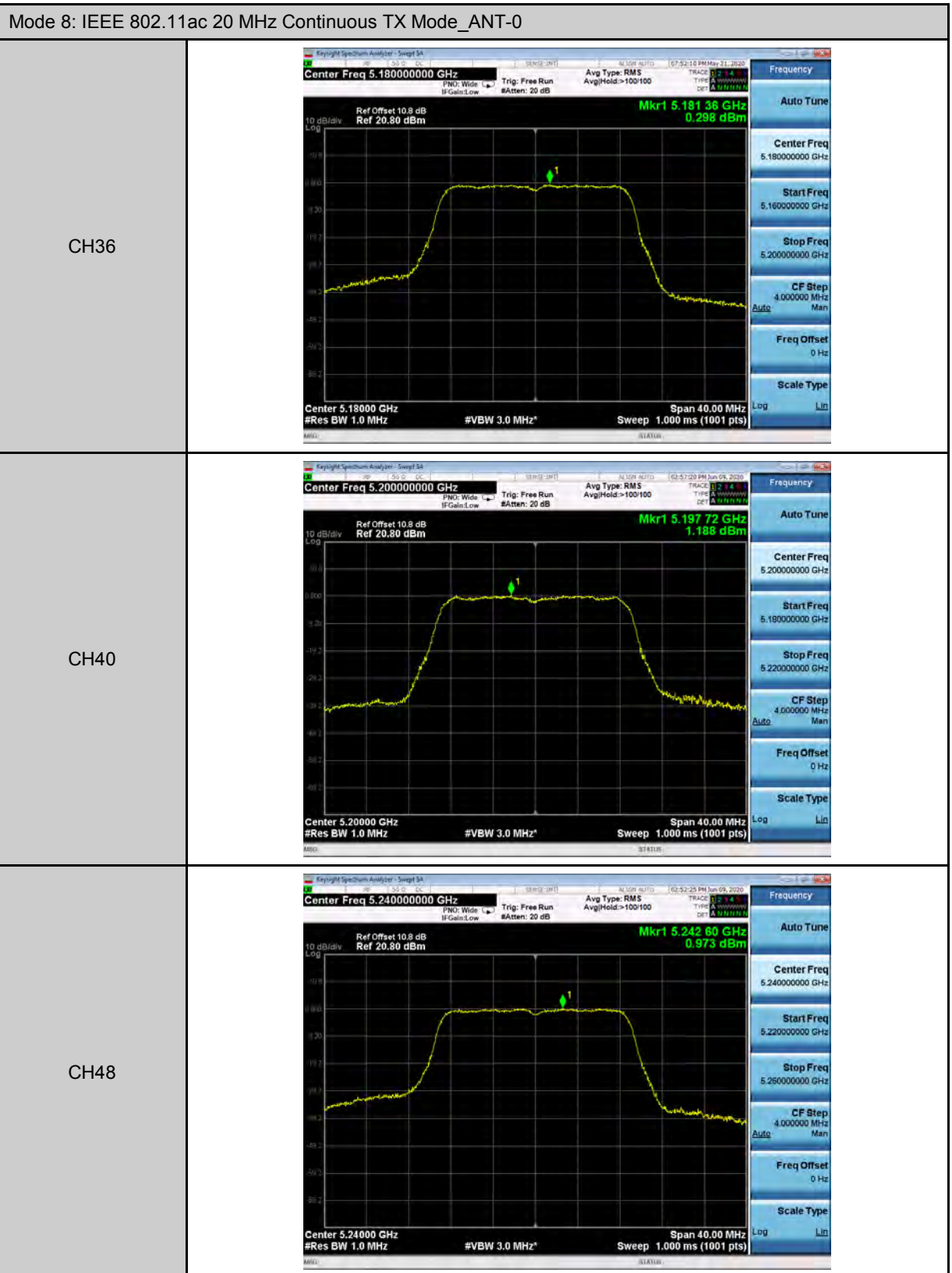
Note: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + dutNote: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + duty factory.

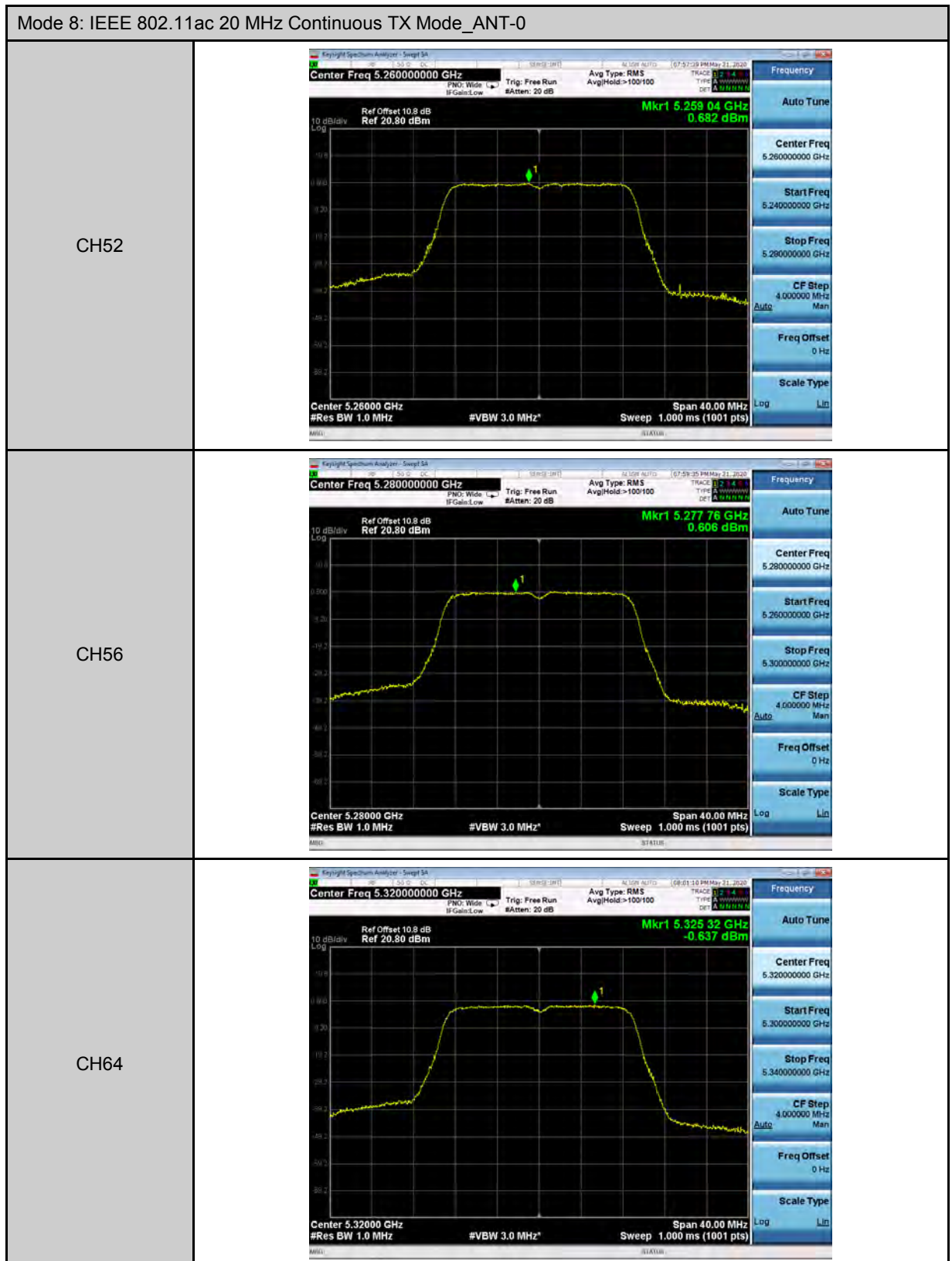
Conversion ration = 10*Log(500 kHz/100 kHz)

ANT-0+1				
操作模式	頻道 (CH)	頻率 (MHz)	轉換值(dBm/500 kHz)	限制值 (dBm/500 kHz)
Mode 8	149	5745.0	0.014	29.48
	157	5785.0	-0.209	29.48
	165	5825.0	-0.525	29.48
Mode 9	151	5755.0	-1.566	29.48
	159	5795.0	-1.950	29.48
Mode 10	155	5775.0	-3.566	29.48

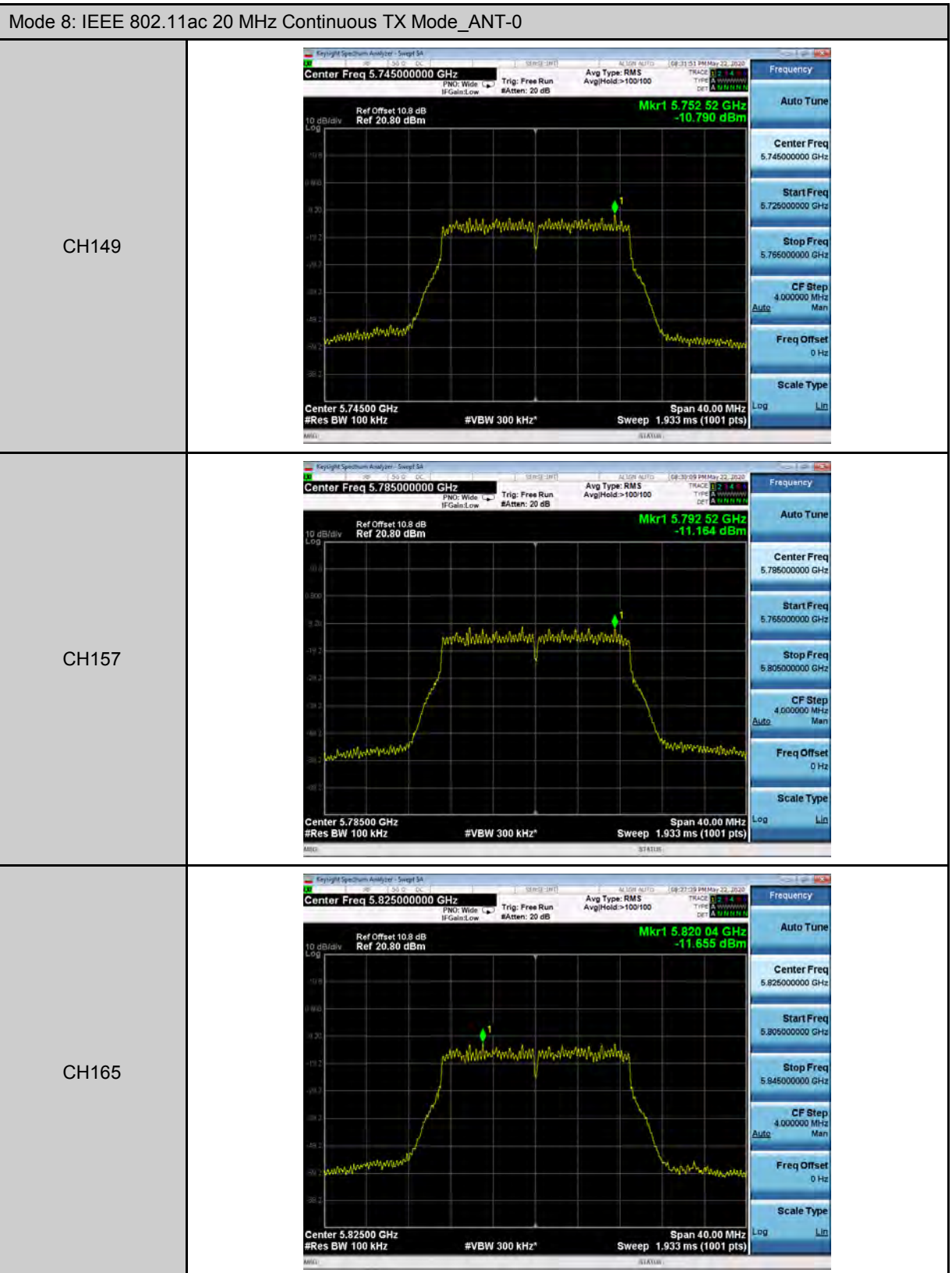
Note: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + duty factory.

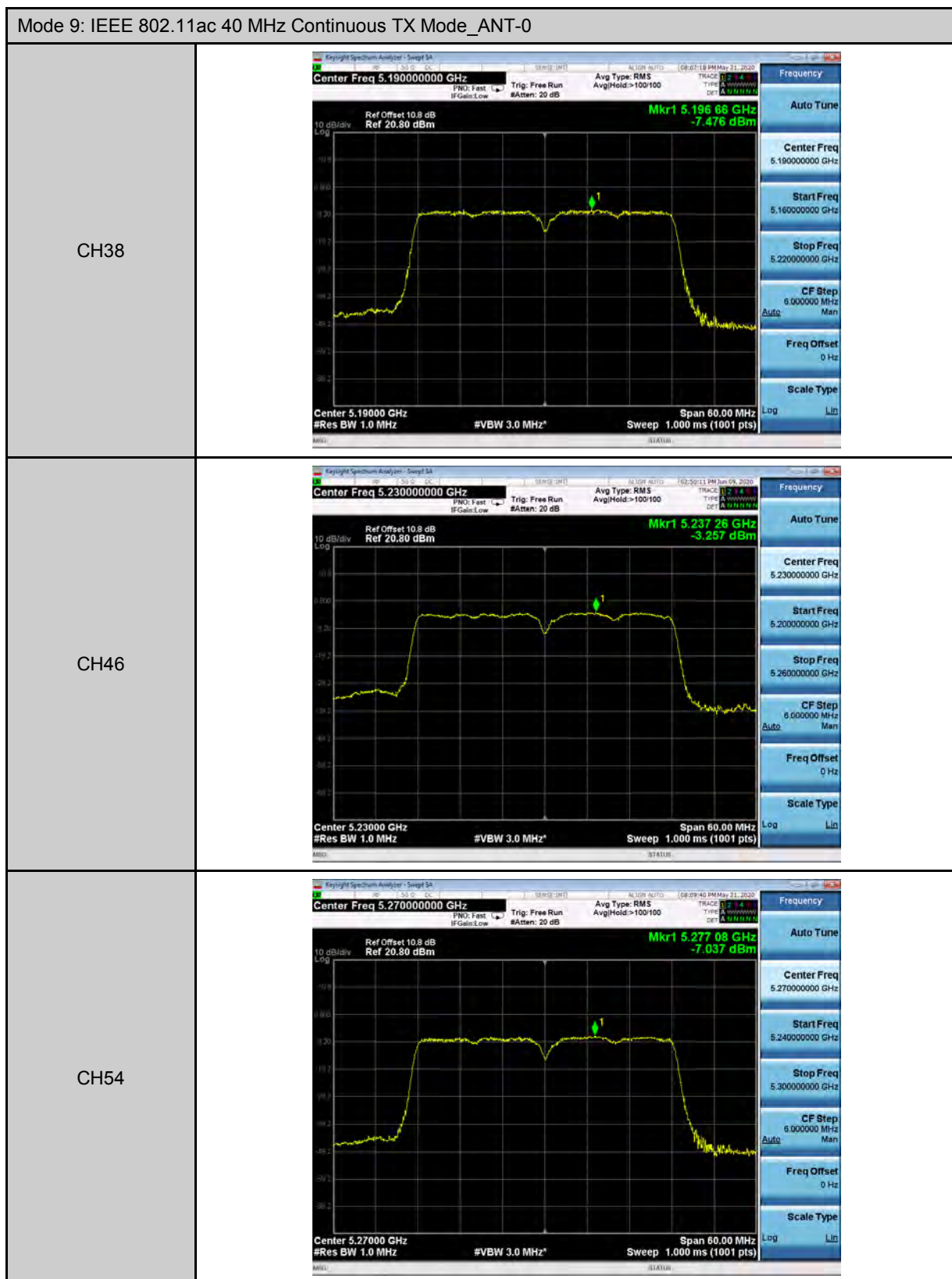
Conversion ration = 10*Log(500 kHz/100 kHz)

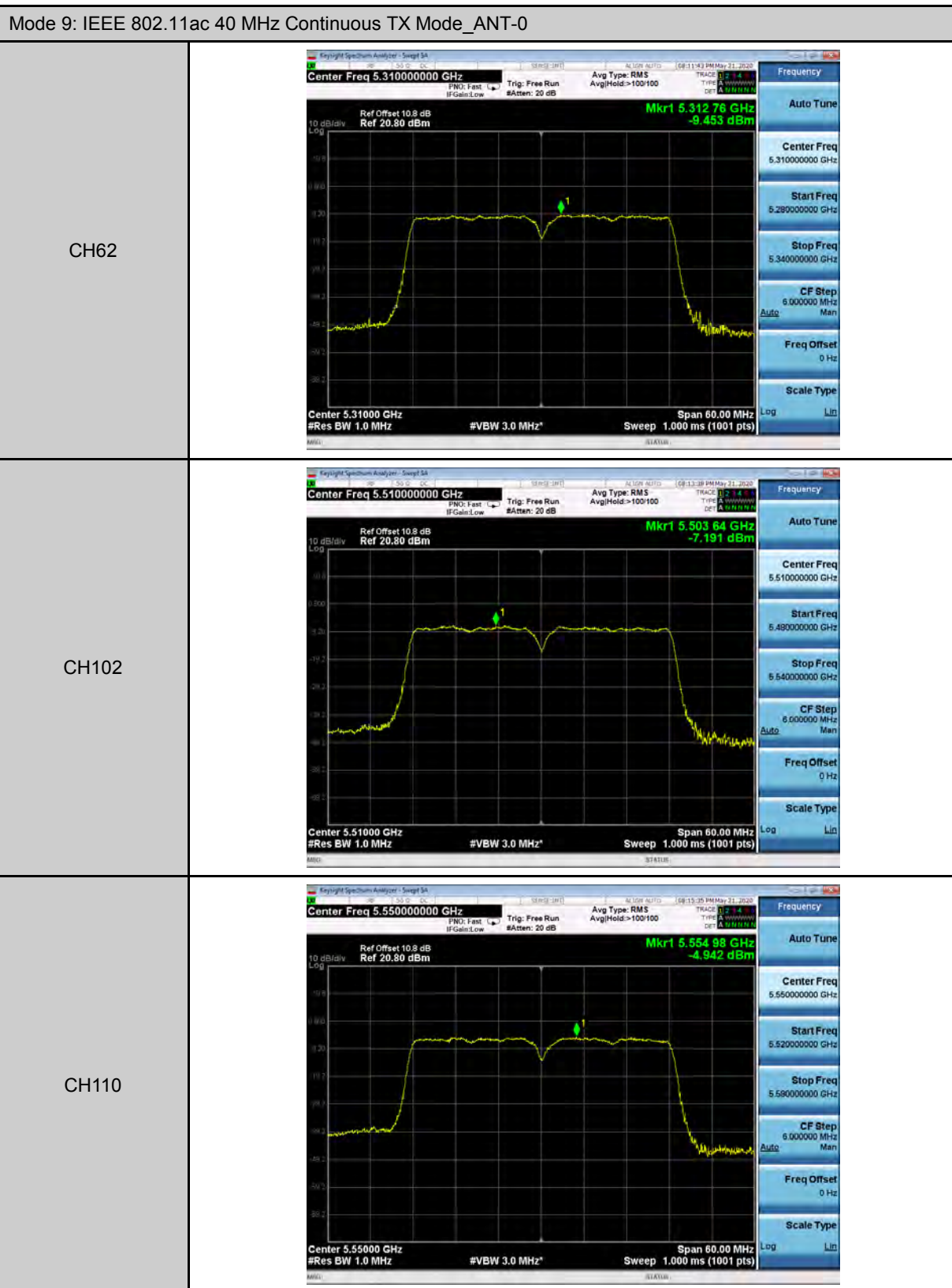


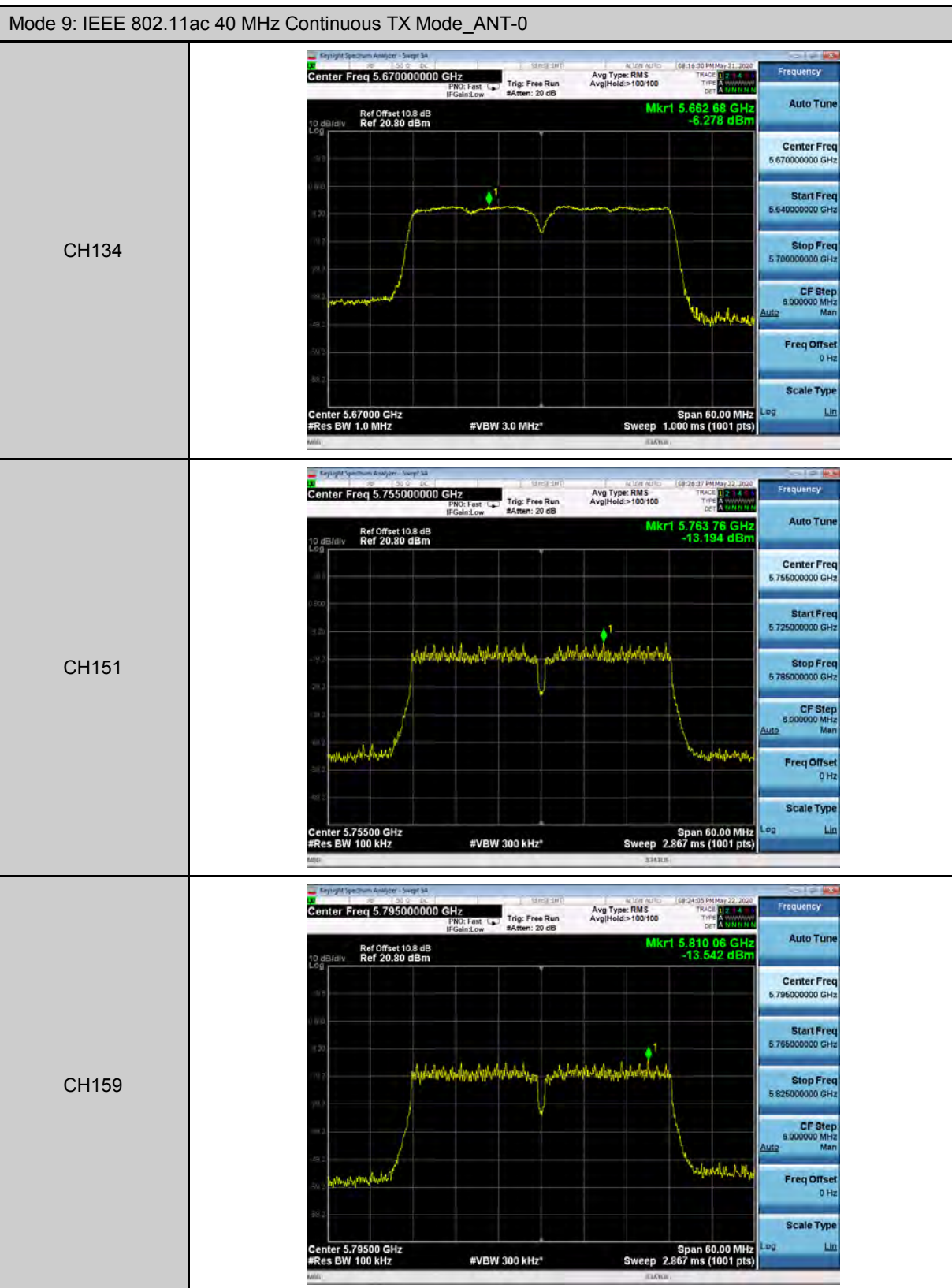


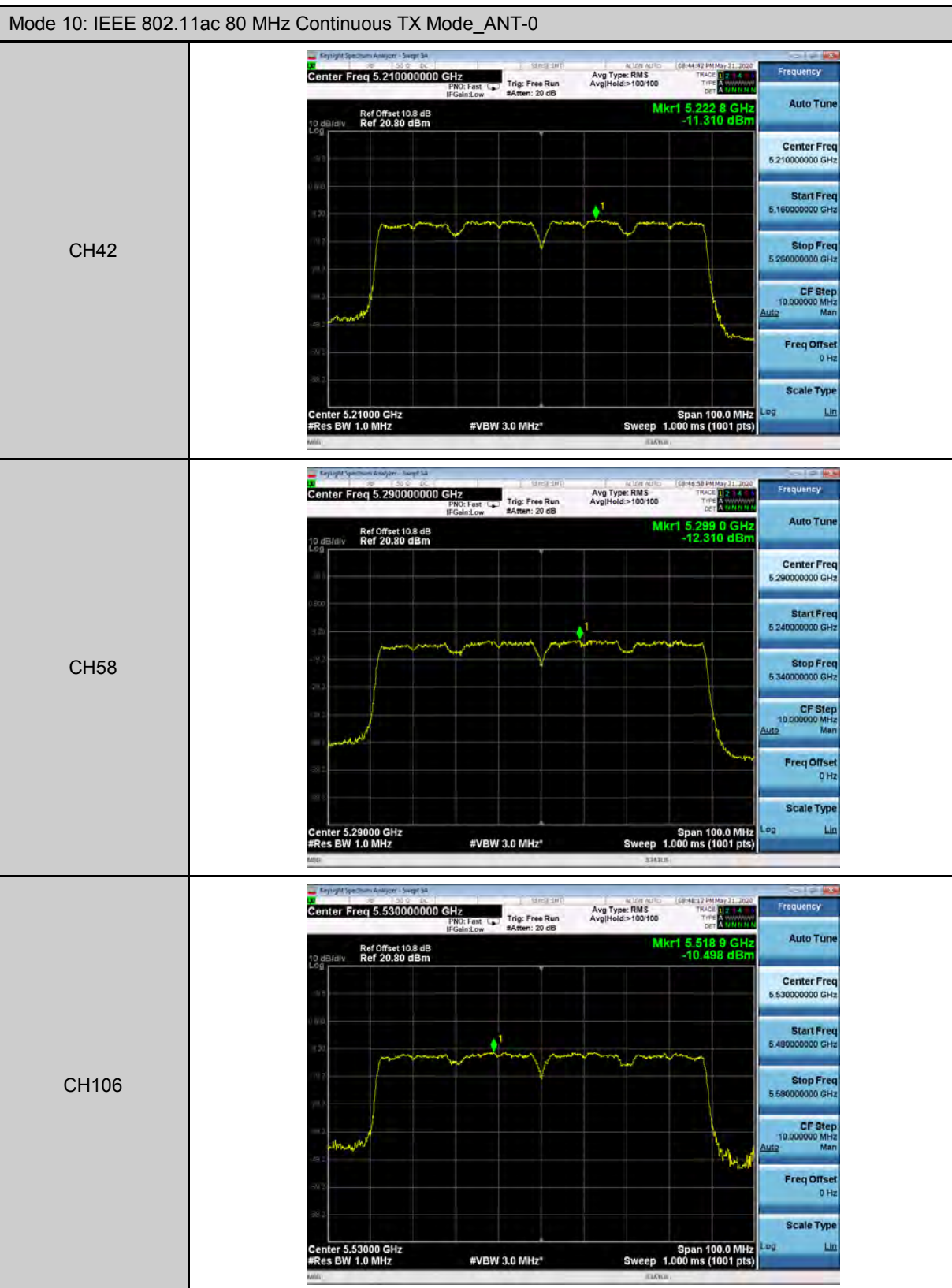


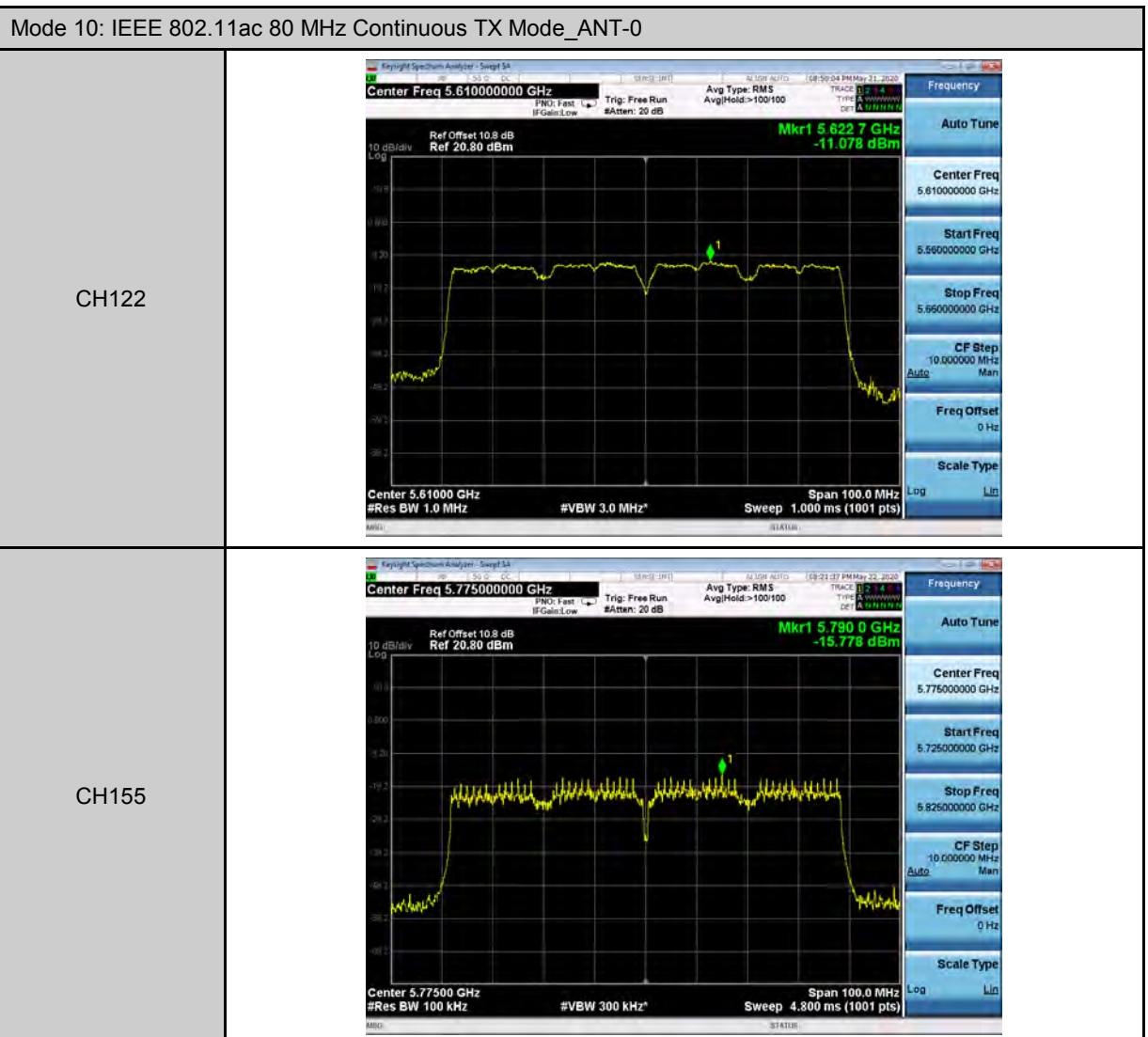


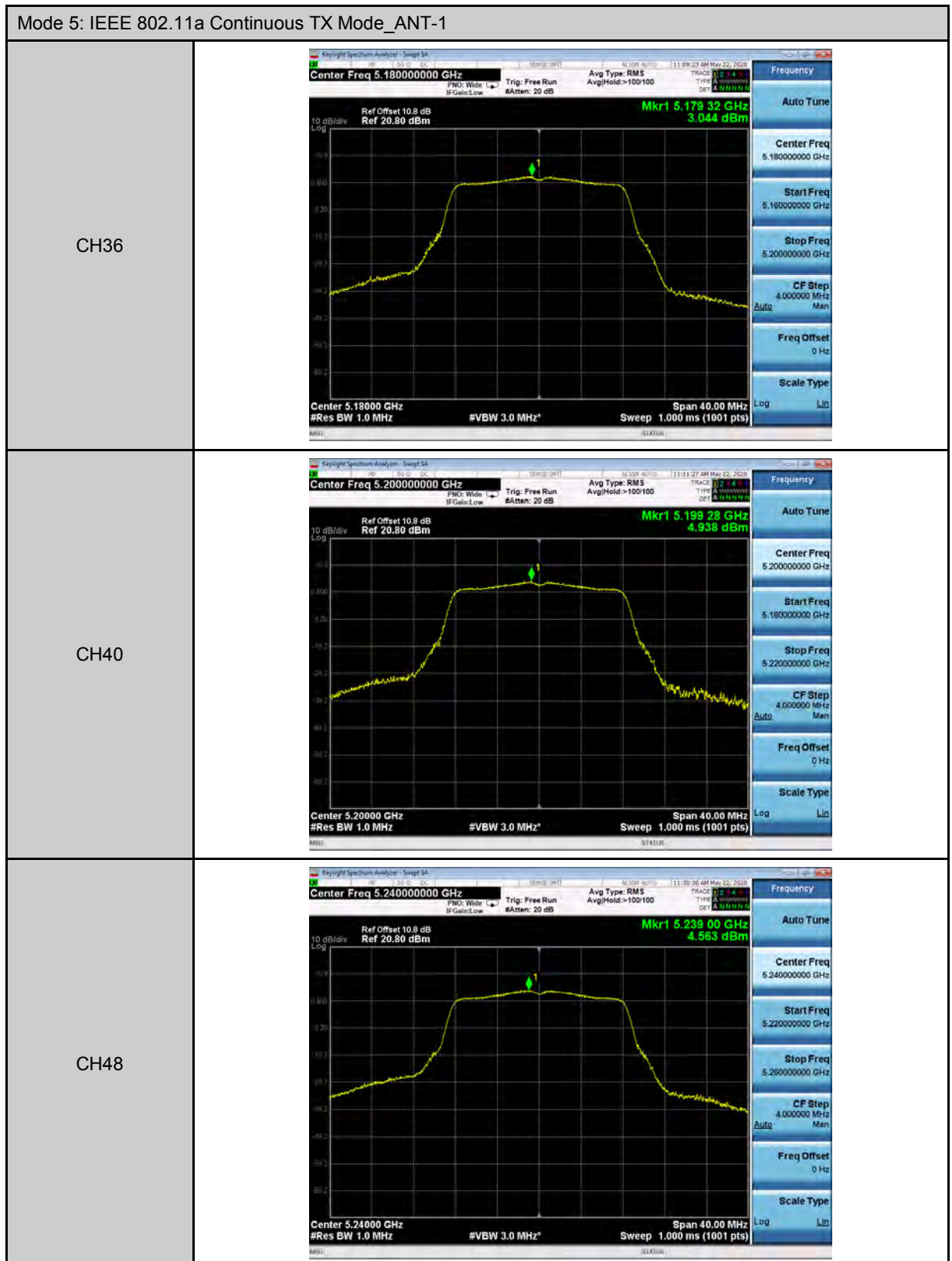






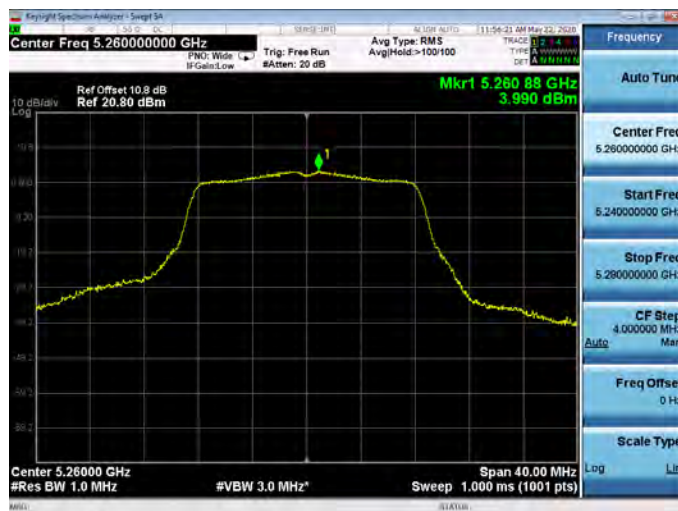






Mode 5: IEEE 802.11a Continuous TX Mode _ANT-1

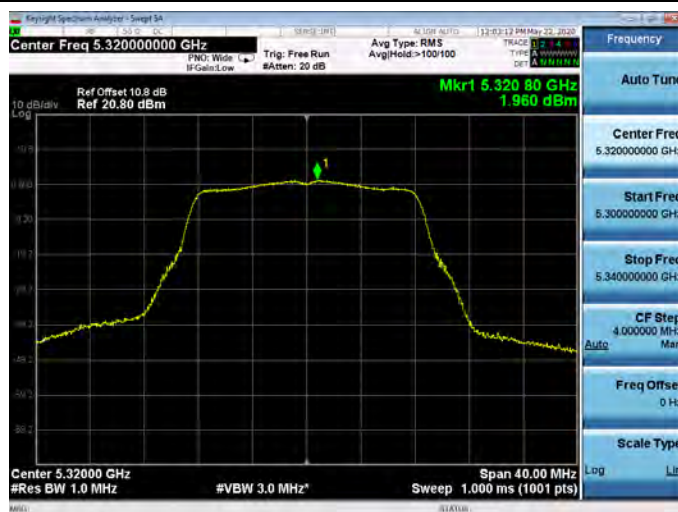
CH52



CH56

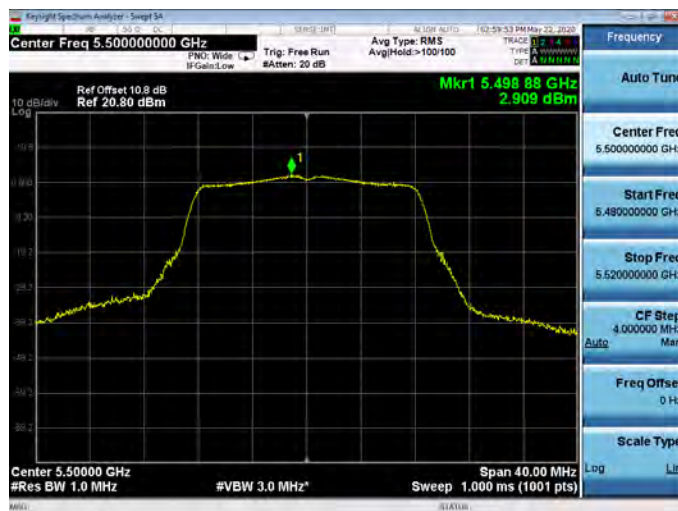


CH64

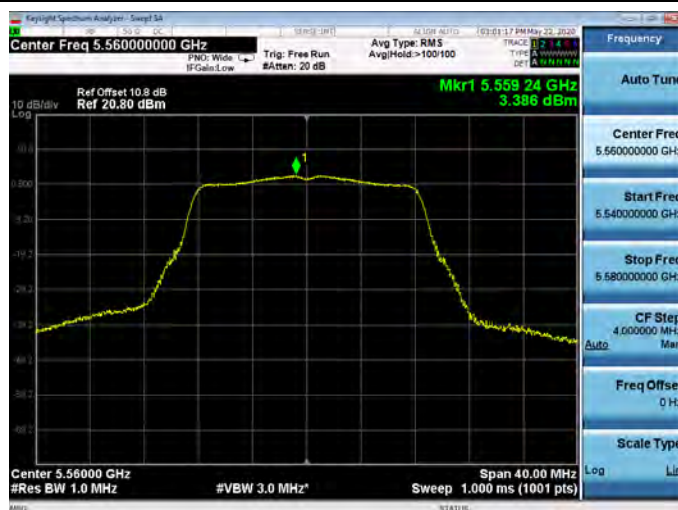


Mode 5: IEEE 802.11a Continuous TX Mode_ANT-1

CH100

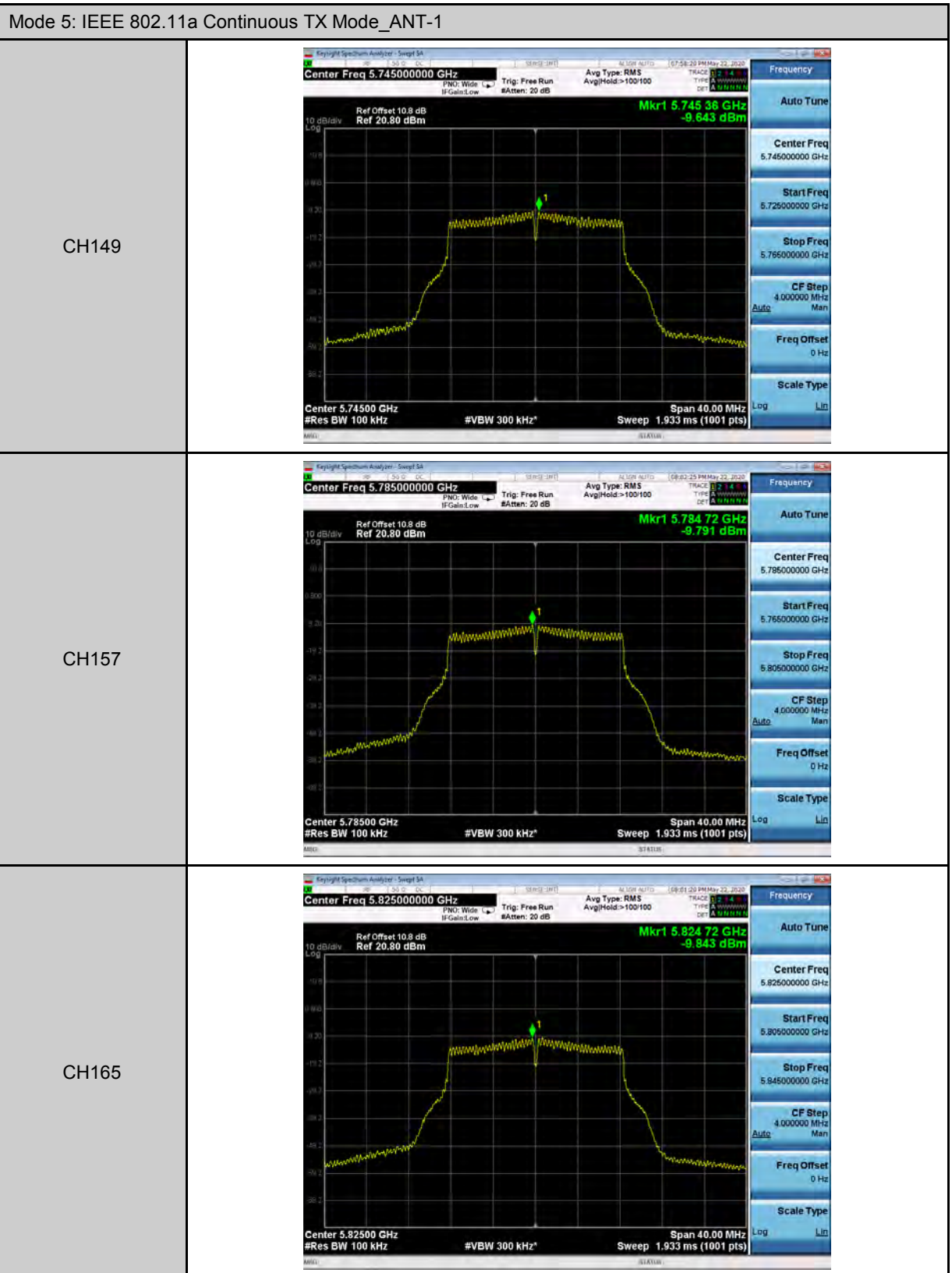


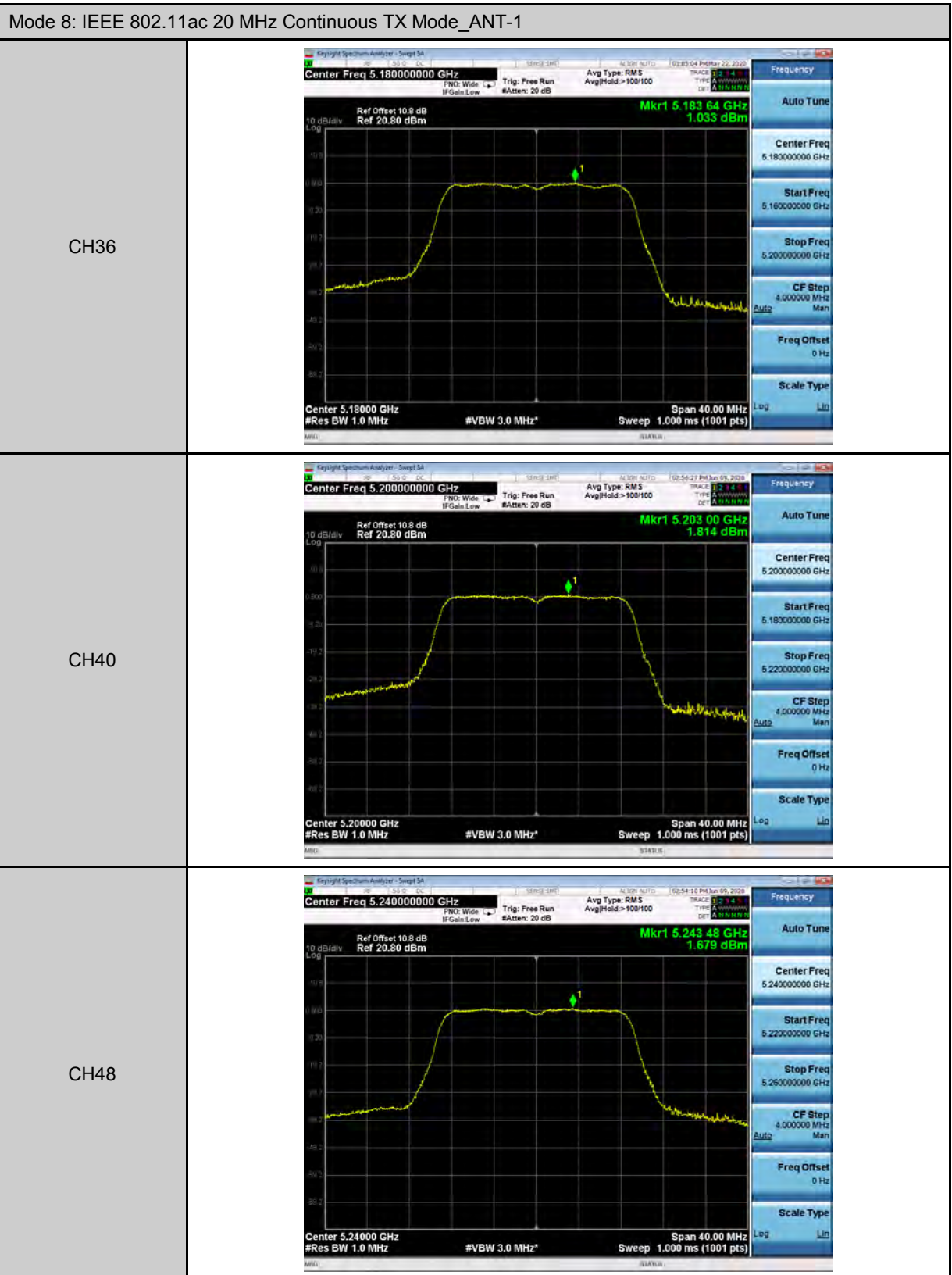
CH112

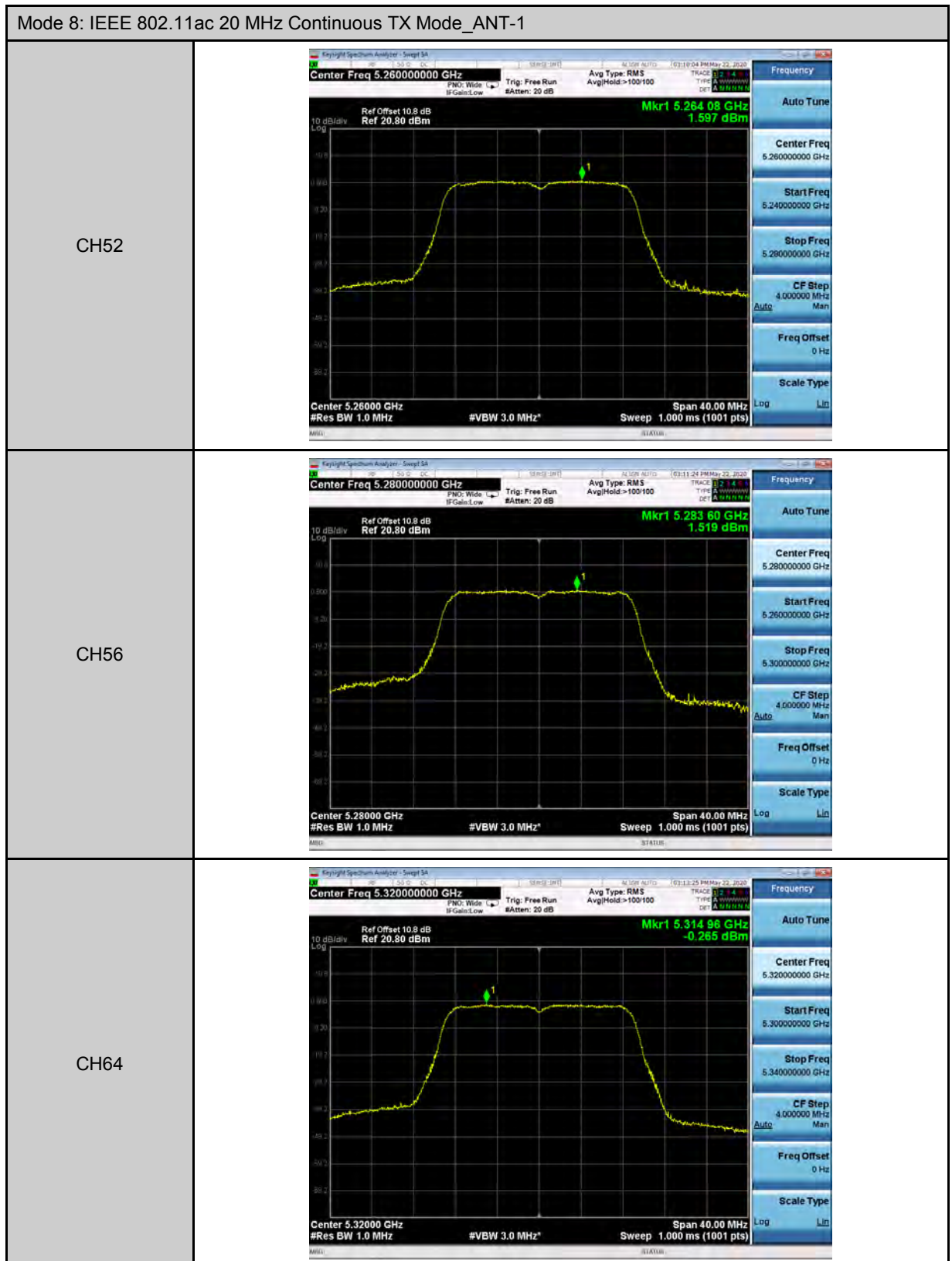


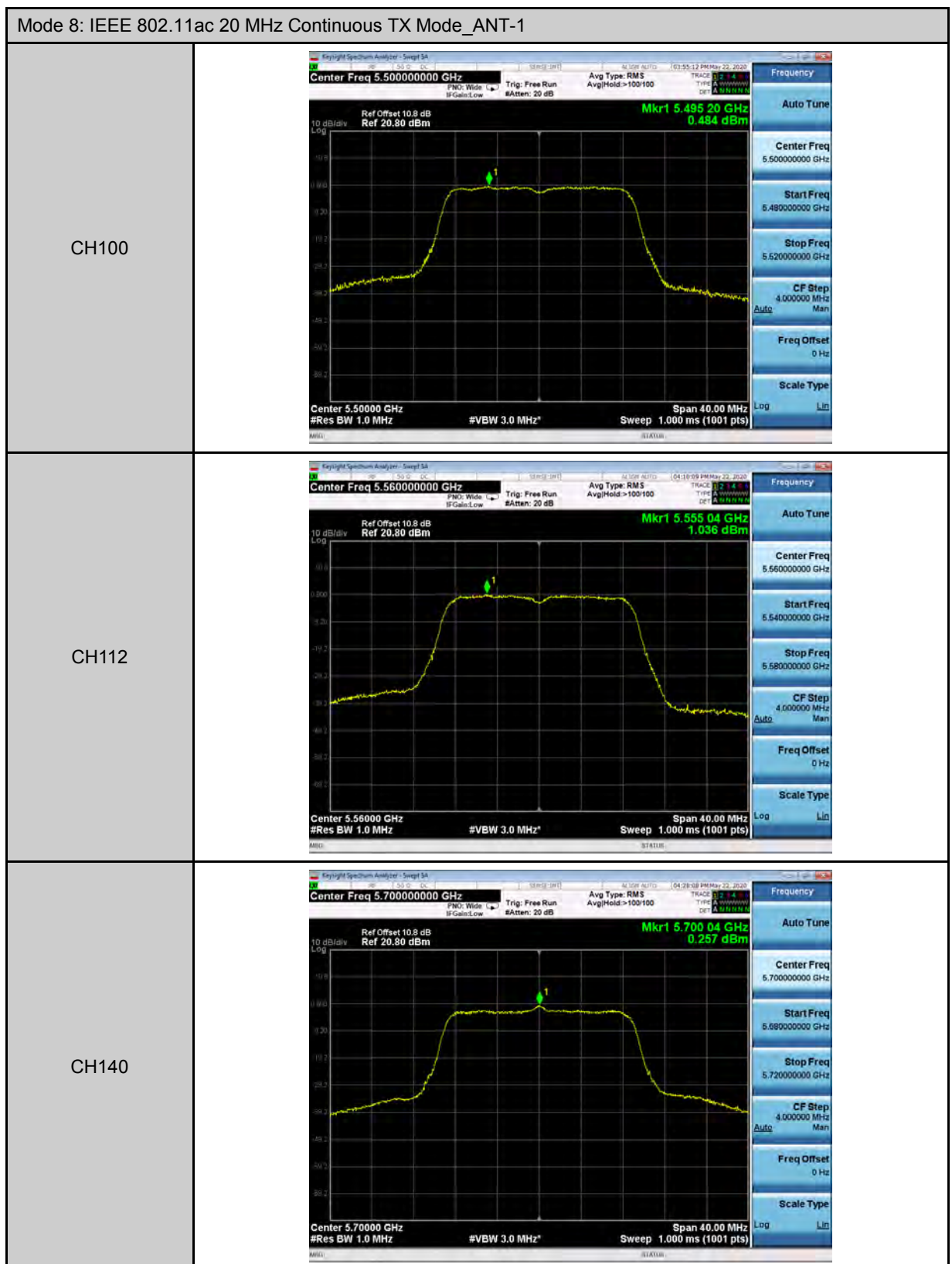
CH140



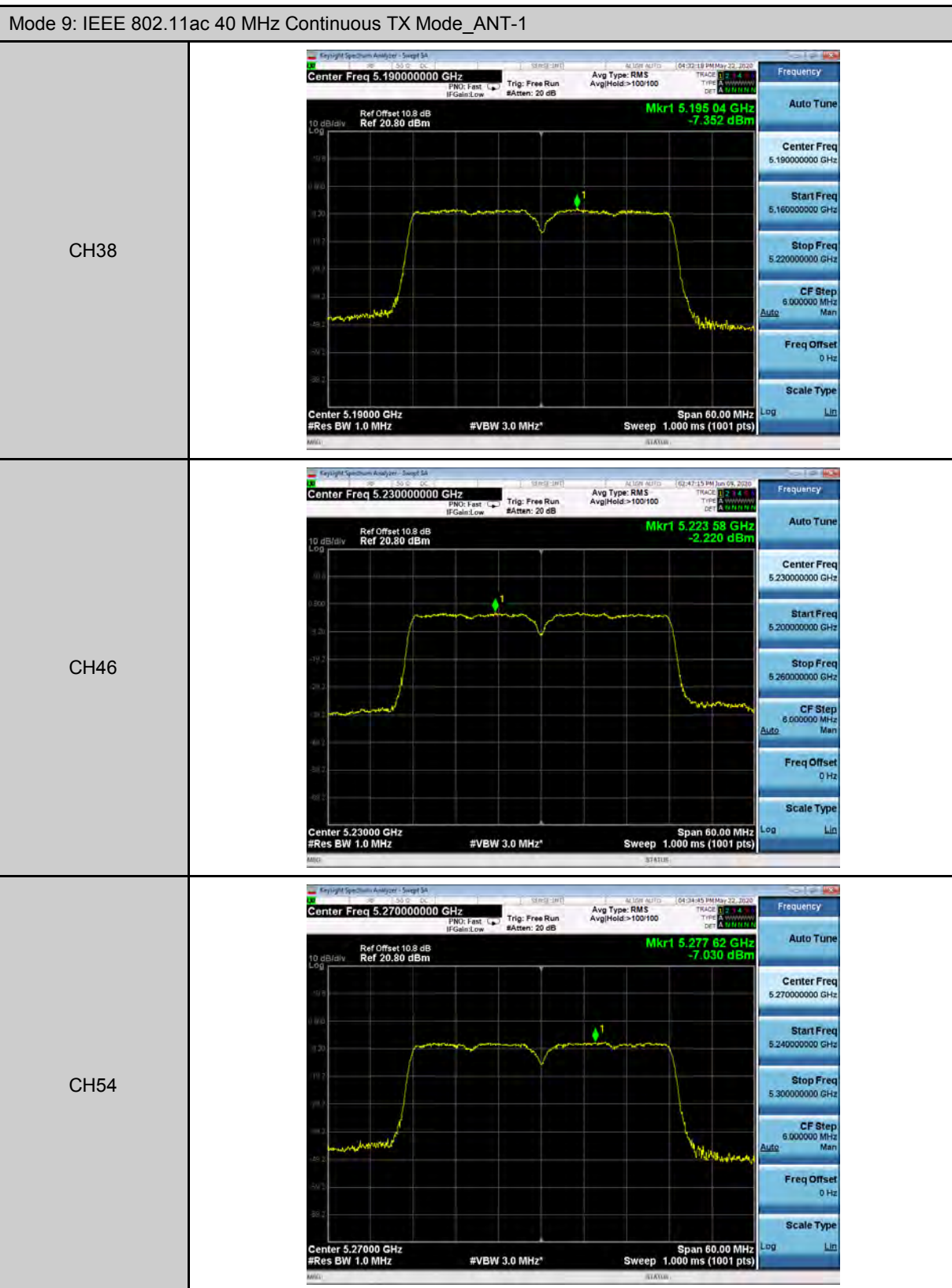


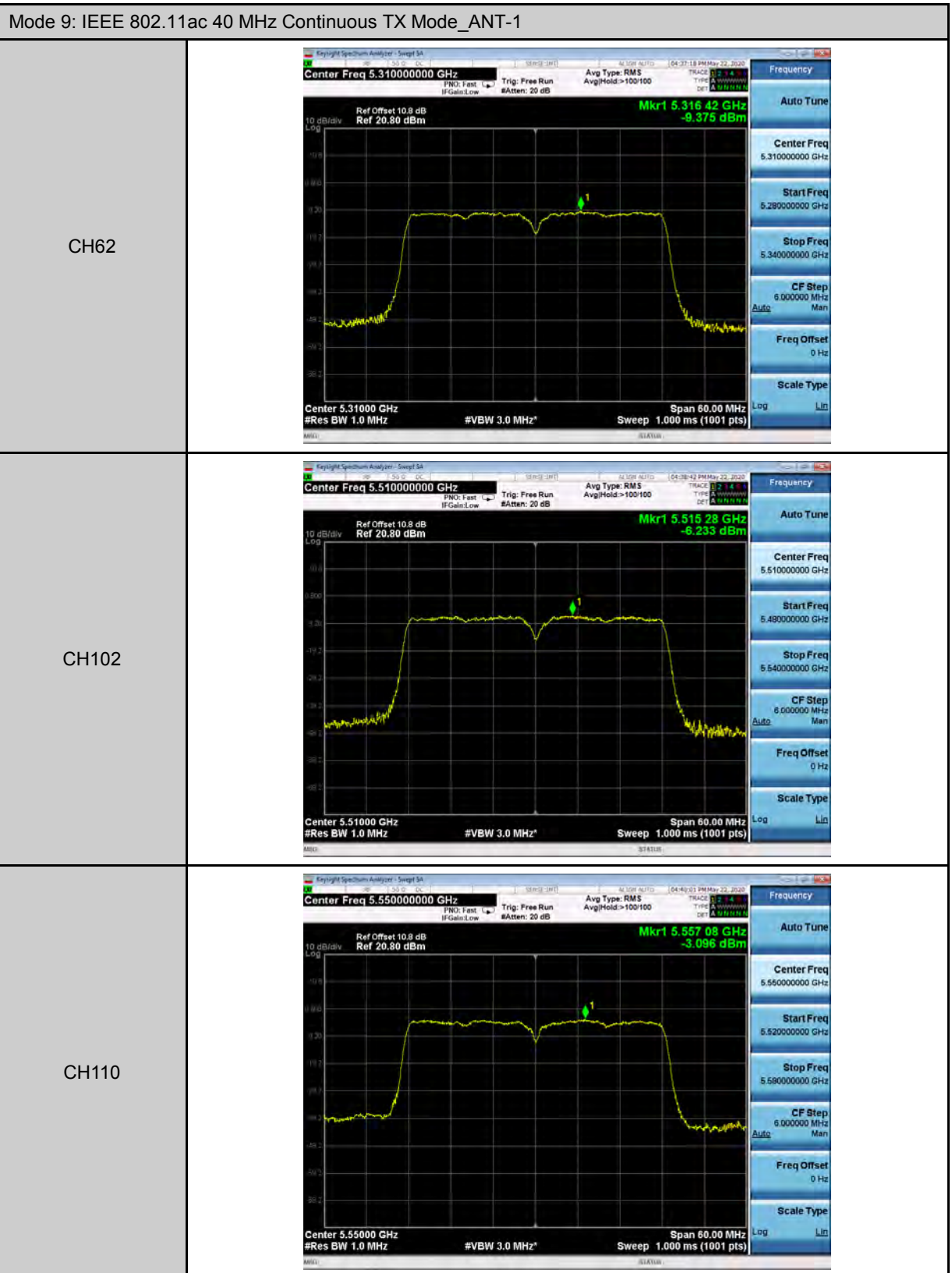


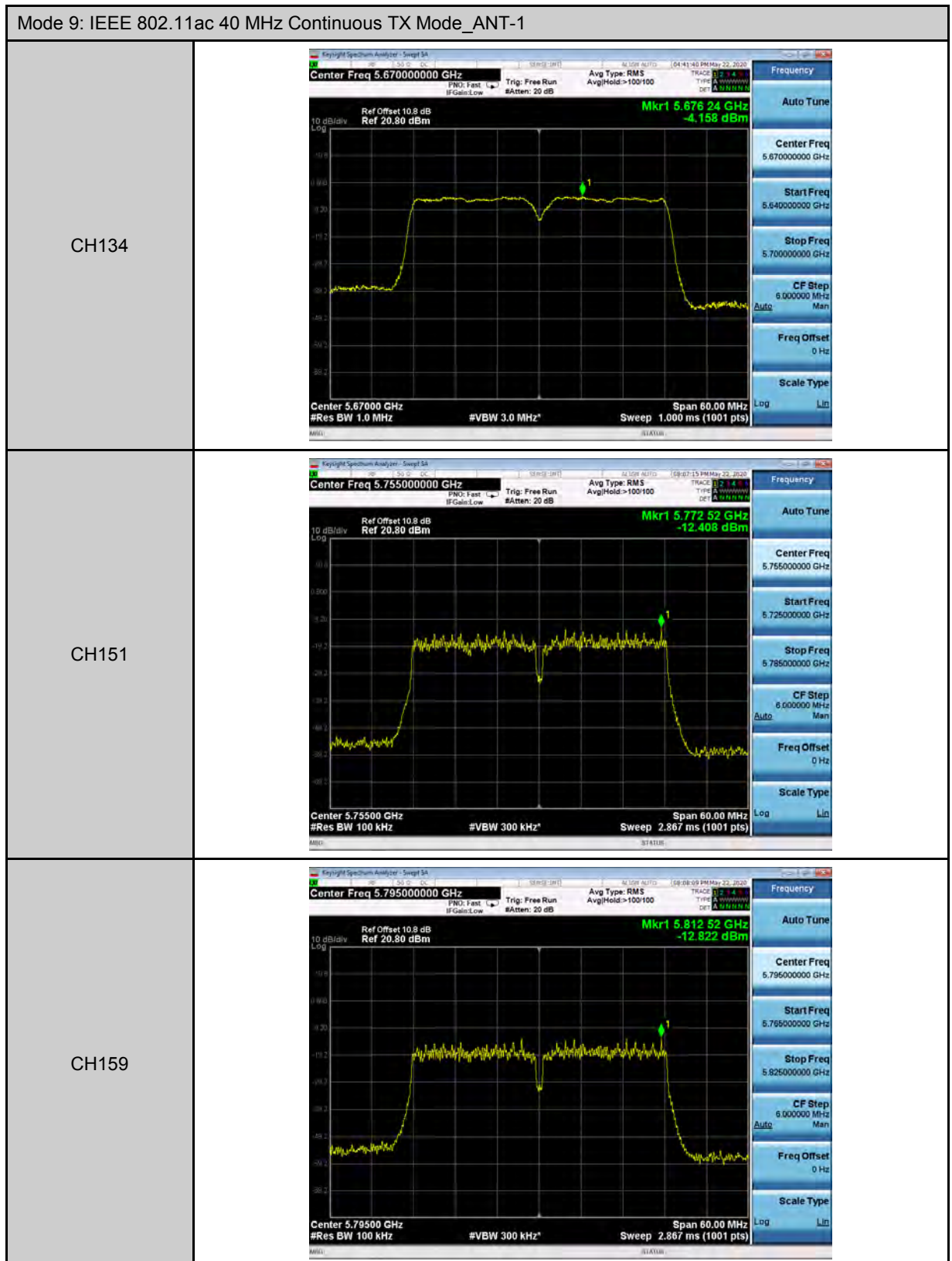


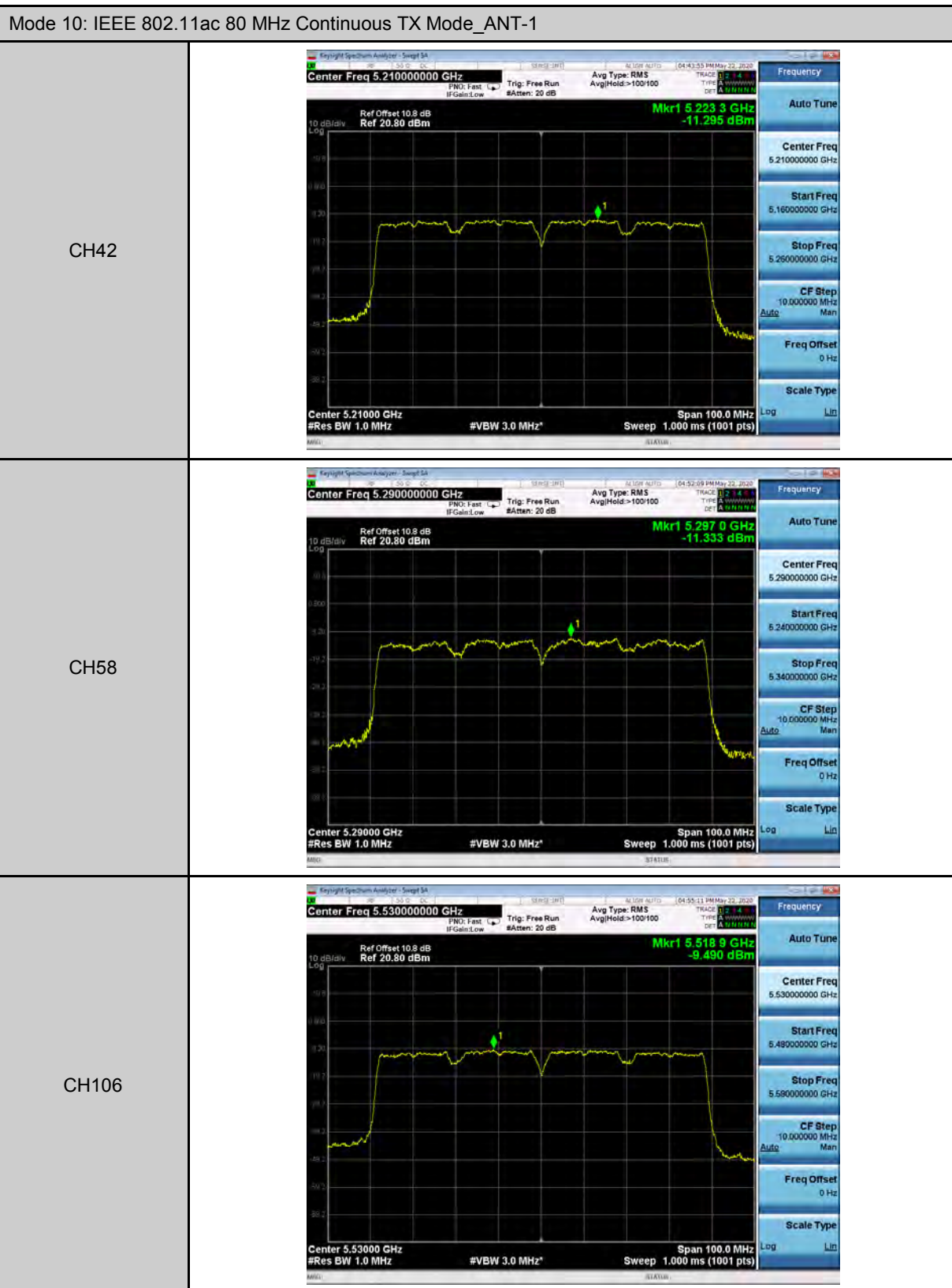


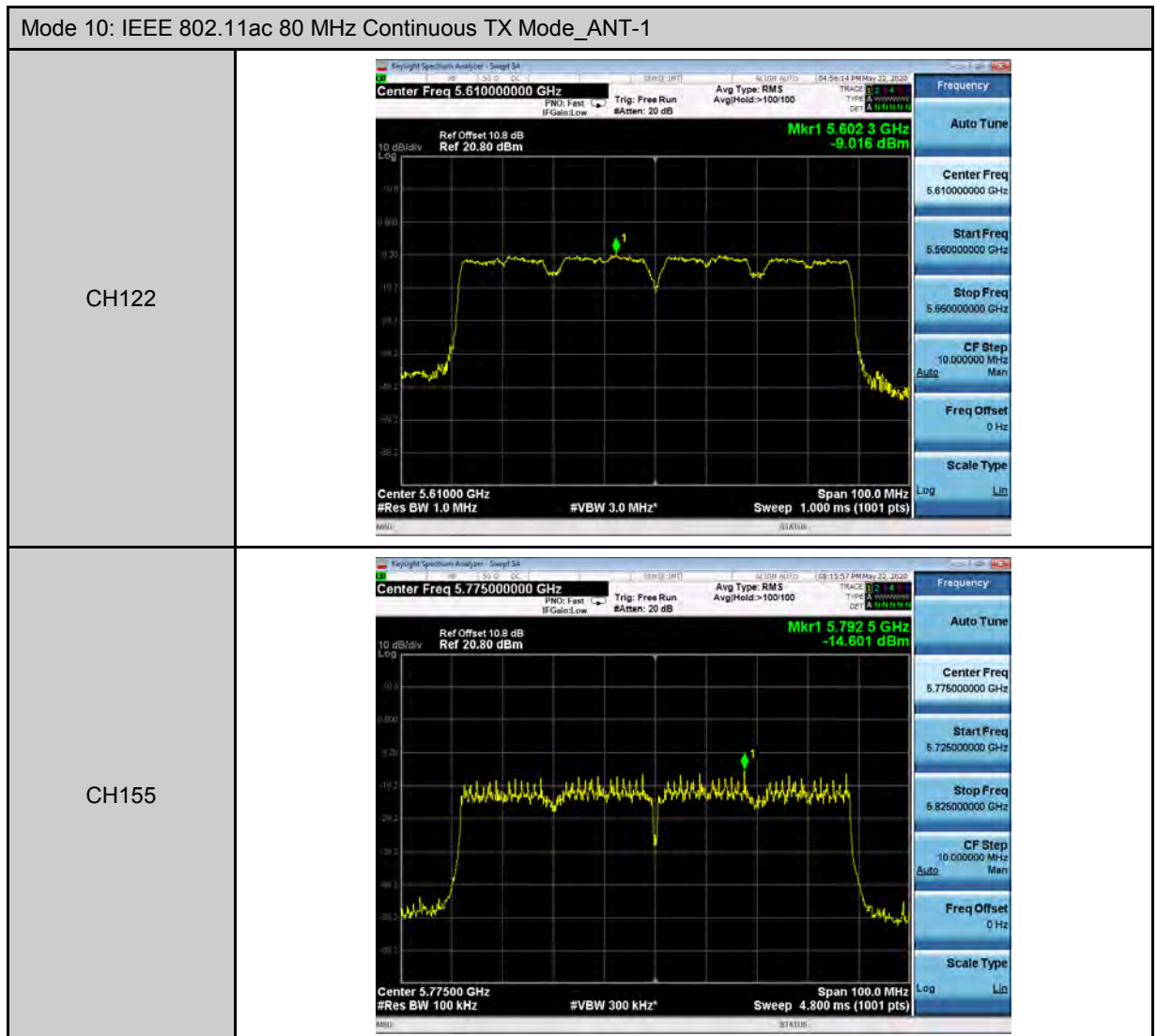










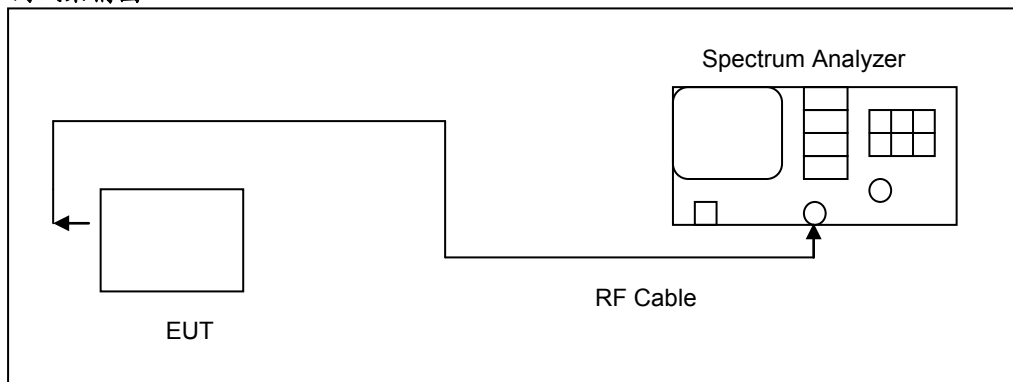


4.3.4 26 dB頻寬之要求

合格標準:

N/A

測試架構圖：



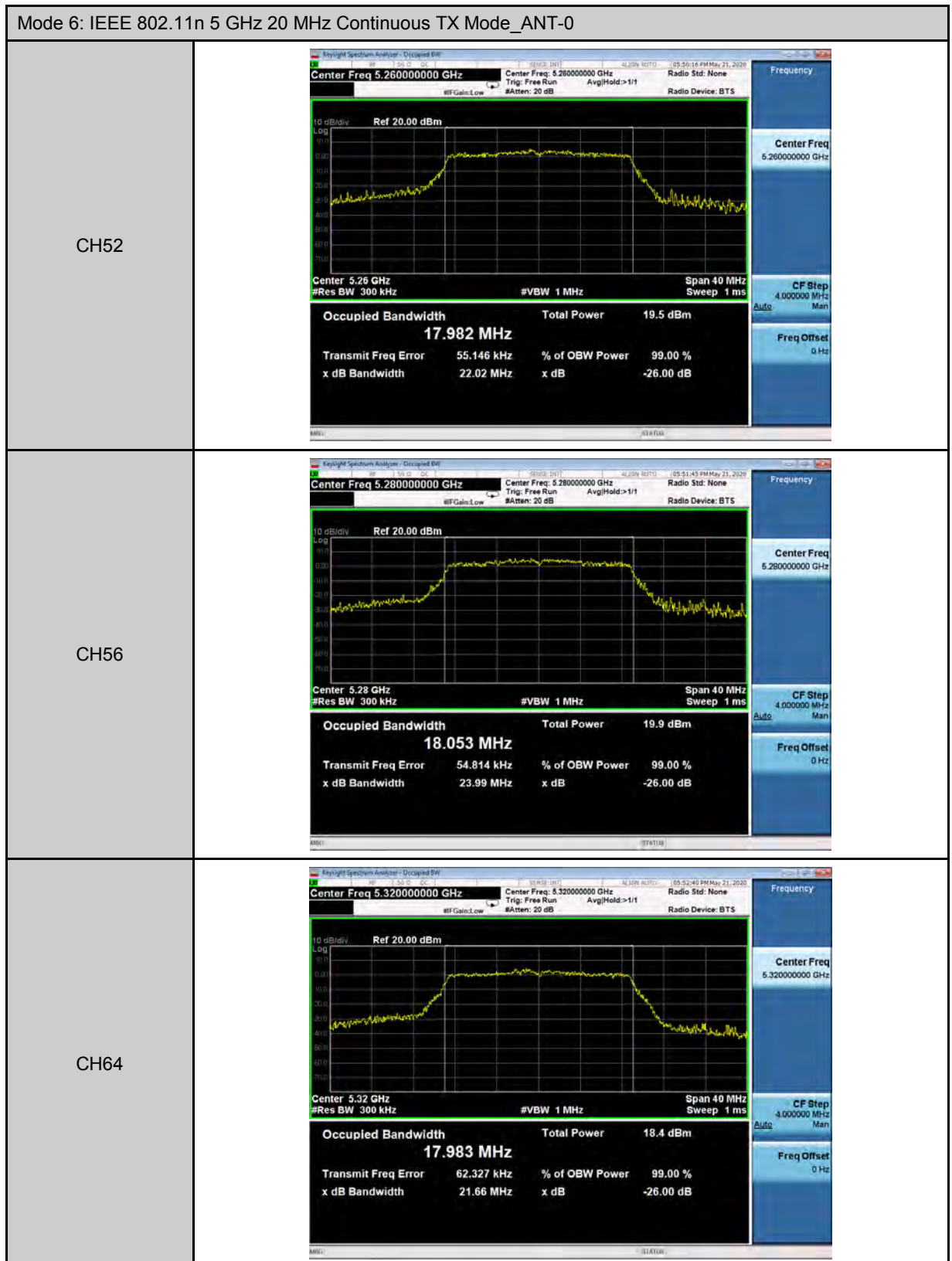
測試結果:

操作模式	: Mode 5 / Mode 6 / Mode 7 / Mode 8 / Mode 9 / Mode 10
------	--

操作模式	頻道 (CH)	頻率 (MHz)	26 dB 頻寬量測值 (MHz)	
			ANT-0	ANT-1
Mode 5	36	5180.0	---	21.500
	40	5200.0	---	21.320
	48	5240.0	---	21.360
	52	5260.0	---	21.390
	56	5280.0	---	21.530
	64	5320.0	---	21.500
	100	5500.0	---	21.310
	112	5560.0	---	21.580
	140	5700.0	---	21.450
Mode 6	52	5260.0	22.020	21.580
	56	5280.0	23.990	21.460
	64	5320.0	21.660	21.380
	100	5500.0	21.950	21.350
	112	5560.0	21.580	24.350
	140	5700.0	21.530	21.400
Mode 7	54	5270.0	41.660	40.750
	62	5310.0	41.050	40.640
	102	5510.0	41.500	41.190
	110	5550.0	45.270	61.900
	134	5670.0	43.270	49.930
Mode 8	36	5180.0	21.480	22.330
	40	5200.0	21.510	21.670
	48	5240.0	21.490	22.040
	52	5260.0	22.100	21.440
	56	5280.0	25.540	21.360
	64	5320.0	21.480	21.410
	100	5500.0	21.620	21.430
	112	5560.0	21.530	21.630
	140	5700.0	21.880	21.630

操作模式	: Mode 5 / Mode 6 / Mode 7 / Mode 8 / Mode 9 / Mode 10
------	--

操作模式	頻道 (CH)	頻率 (MHz)	26 dB 頻寬量測值 (MHz)	
			ANT-0	ANT-1
Mode 9	38	5190.0	41.150	40.470
	46	5230.0	45.740	40.760
	54	5270.0	41.530	40.680
	62	5310.0	41.270	40.760
	102	5510.0	41.960	40.880
	110	5550.0	40.830	47.630
	134	5670.0	41.380	44.060
Mode 10	42	5210.0	81.910	81.780
	58	5290.0	81.970	82.040
	106	5530.0	90.120	82.600
	122	5610.0	92.210	83.270



Mode 6: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0

CH100

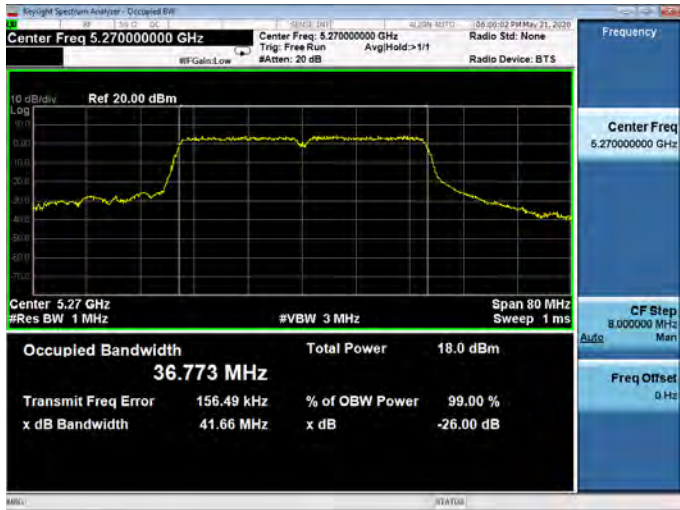


CH112



CH140



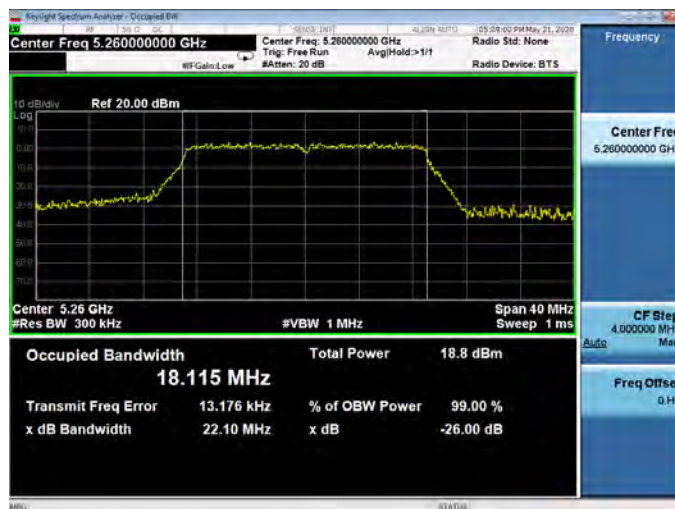
Mode 7: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-0	
CH54	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.270000000 GHz Center Freq: 5.270000000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #RF Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.27 GHz Span 80 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms Occupied Bandwidth 36.773 MHz Total Power 18.0 dBm Transmit Freq Error 156.49 kHz % of OBW Power 99.00 % x dB Bandwidth 41.66 MHz x dB -26.00 dB Frequency 5.27000000 GHz CF Step 8.000000 MHz Freq Offset 0 Hz
CH62	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.310000000 GHz Center Freq: 5.310000000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #RF Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.31 GHz Span 80 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms Occupied Bandwidth 36.744 MHz Total Power 14.7 dBm Transmit Freq Error 139.08 kHz % of OBW Power 99.00 % x dB Bandwidth 41.05 MHz x dB -26.00 dB Frequency 5.31000000 GHz CF Step 8.000000 MHz Freq Offset 0 Hz
CH102	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.510000000 GHz Center Freq: 5.510000000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #RF Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.51 GHz Span 80 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms Occupied Bandwidth 36.766 MHz Total Power 17.0 dBm Transmit Freq Error 69.417 kHz % of OBW Power 99.00 % x dB Bandwidth 41.50 MHz x dB -26.00 dB Frequency 5.51000000 GHz CF Step 8.000000 MHz Freq Offset 0 Hz





Mode 8: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0

CH52



CH56



CH64



Mode 8: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0

CH100



CH112



CH140



Mode 9: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-0

CH38

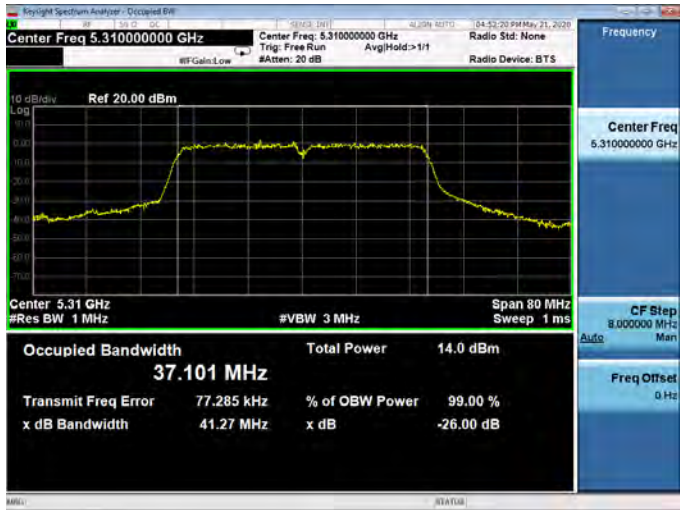


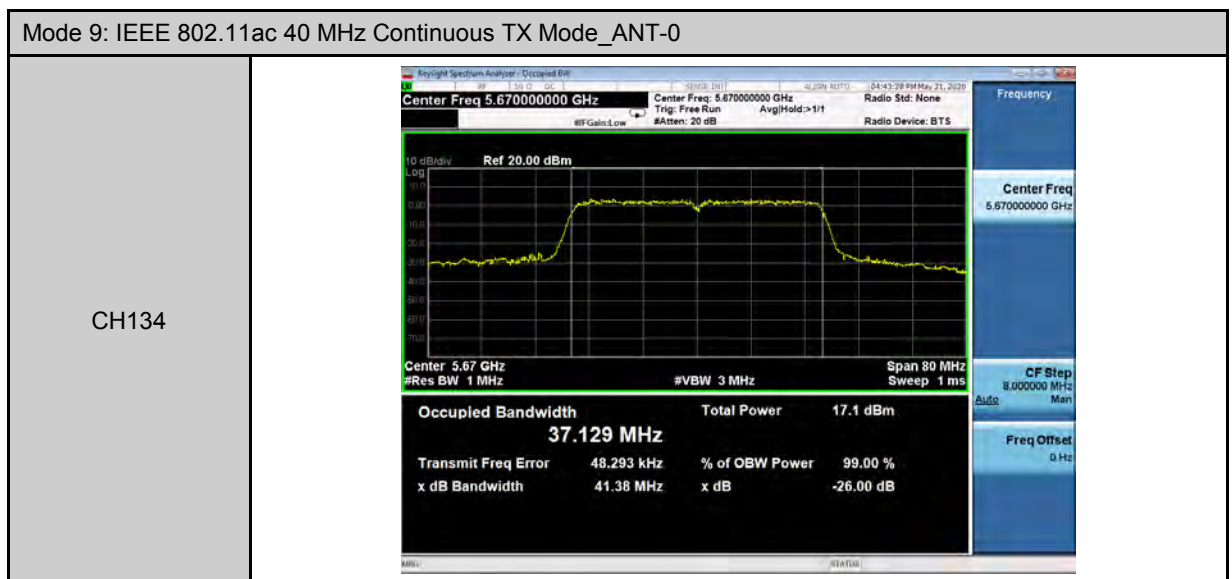
CH46



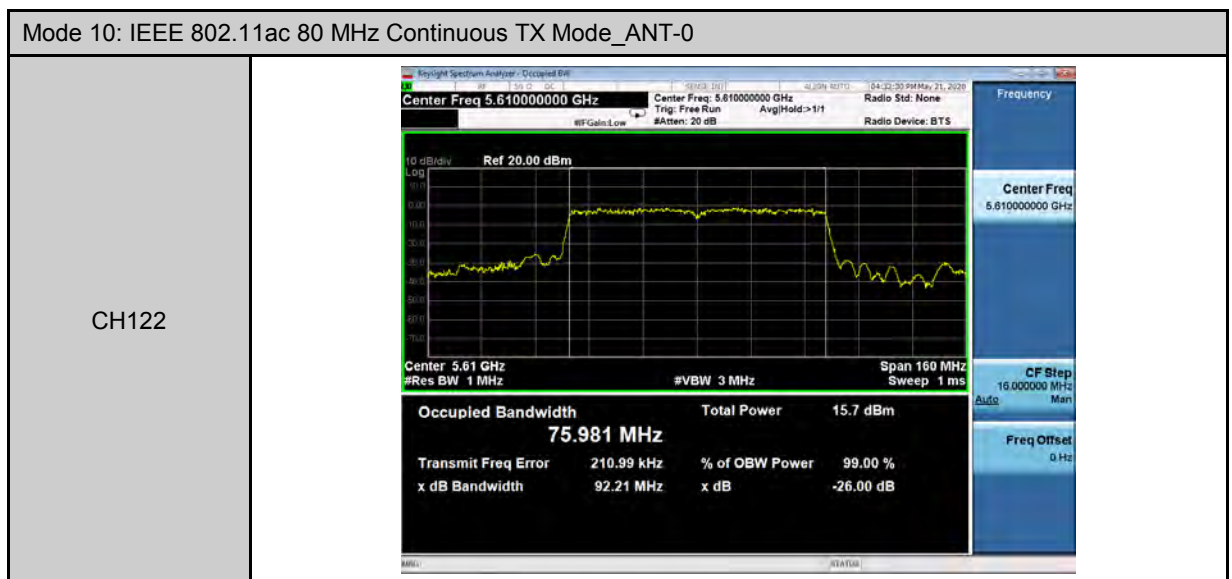
CH54



Mode 9: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-0	
CH62	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.310000000 GHz Center Freq: 5.310000000 GHz Trig: Free Run AvgHold: >1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.31 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 37.101 MHz Total Power 14.0 dBm Transmit Freq Error 77.285 kHz % of OBW Power 99.00 % x dB Bandwidth 41.27 MHz x dB -26.00 dB Frequency 5.310000000 GHz CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz
CH102	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.510000000 GHz Center Freq: 5.510000000 GHz Trig: Free Run AvgHold: >1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.51 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 37.121 MHz Total Power 16.1 dBm Transmit Freq Error 26.978 kHz % of OBW Power 99.00 % x dB Bandwidth 41.96 MHz x dB -26.00 dB Frequency 5.510000000 GHz CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz
CH110	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.550000000 GHz Center Freq: 5.550000000 GHz Trig: Free Run AvgHold: >1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.55 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 37.069 MHz Total Power 18.4 dBm Transmit Freq Error -36.476 kHz % of OBW Power 99.00 % x dB Bandwidth 40.83 MHz x dB -26.00 dB Frequency 5.550000000 GHz CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz

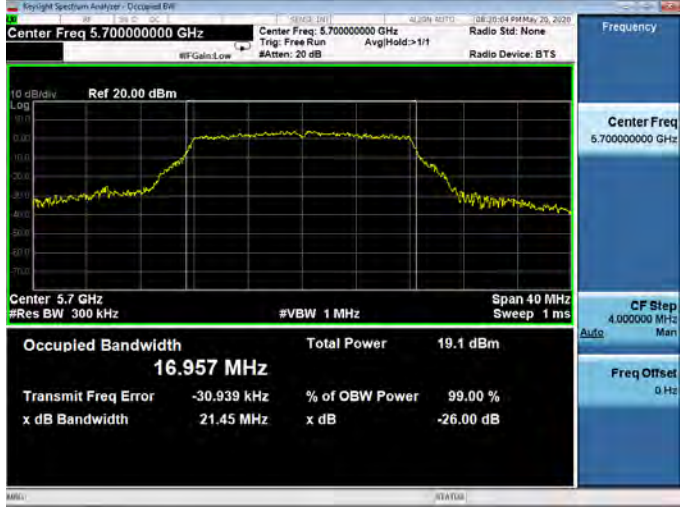


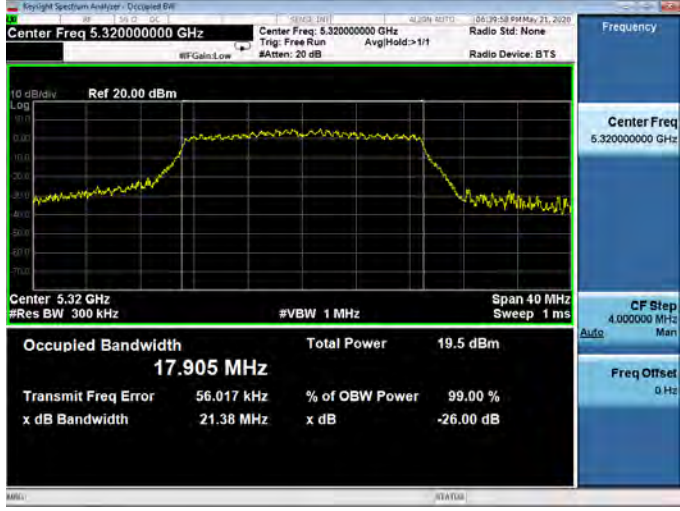




Mode 5: IEEE 802.11a Continuous TX Mode_ANT-1	
CH36	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.180000000 GHz Center Freq: 5.180000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.18 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 16.931 MHz Total Power 20.1 dBm Transmit Freq Error -63.212 kHz % of OBW Power 99.00 % x dB Bandwidth 21.50 MHz x dB -26.00 dB Frequency 5.18000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH40	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.200000000 GHz Center Freq: 5.200000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.2 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 16.901 MHz Total Power 21.3 dBm Transmit Freq Error -10.454 kHz % of OBW Power 99.00 % x dB Bandwidth 21.32 MHz x dB -26.00 dB Frequency 5.20000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH48	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.240000000 GHz Center Freq: 5.240000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.24 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 16.939 MHz Total Power 21.5 dBm Transmit Freq Error -18.346 kHz % of OBW Power 99.00 % x dB Bandwidth 21.36 MHz x dB -26.00 dB Frequency 5.24000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz

Mode 5: IEEE 802.11a Continuous TX Mode_ANT-1	
CH52	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.260000000 GHz Center Freq: 5.260000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.26 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 16.931 MHz Total Power 20.5 dBm Transmit Freq Error -31.898 kHz % of OBW Power 99.00 % x dB Bandwidth 21.39 MHz x dB -26.00 dB Frequency Center Freq 5.260000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH56	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.280000000 GHz Center Freq: 5.280000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.28 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 16.995 MHz Total Power 20.7 dBm Transmit Freq Error -36.136 kHz % of OBW Power 99.00 % x dB Bandwidth 21.53 MHz x dB -26.00 dB Frequency Center Freq 5.280000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH64	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.320000000 GHz Center Freq: 5.320000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.32 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 16.928 MHz Total Power 19.0 dBm Transmit Freq Error -2.799 kHz % of OBW Power 99.00 % x dB Bandwidth 21.50 MHz x dB -26.00 dB Frequency Center Freq 5.320000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz

Mode 5: IEEE 802.11a Continuous TX Mode_ANT-1	
CH100	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.500000000 GHz Center Freq: 5.500000000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #BW Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.5 GHz Span 40 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms Occupied Bandwidth 16.942 MHz Total Power 20.0 dBm Transmit Freq Error -25.625 kHz % of OBW Power 99.00 % x dB Bandwidth 21.31 MHz x dB -26.00 dB Frequency Center Freq 5.50000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH112	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.560000000 GHz Center Freq: 5.560000000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #BW Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.56 GHz Span 40 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms Occupied Bandwidth 16.905 MHz Total Power 20.4 dBm Transmit Freq Error -28.098 kHz % of OBW Power 99.00 % x dB Bandwidth 21.58 MHz x dB -26.00 dB Frequency Center Freq 5.56000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH140	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.700000000 GHz Center Freq: 5.700000000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #BW Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.7 GHz Span 40 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms Occupied Bandwidth 16.957 MHz Total Power 19.1 dBm Transmit Freq Error -30.939 kHz % of OBW Power 99.00 % x dB Bandwidth 21.45 MHz x dB -26.00 dB Frequency Center Freq 5.70000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz

Mode 6: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-1	
CH52	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.260000000 GHz Center Freq: 5.260000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.26 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 17.932 MHz Total Power 21.5 dBm Transmit Freq Error 42.693 kHz % of OBW Power 99.00 % x dB Bandwidth 21.58 MHz x dB -26.00 dB Frequency 5.260000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH56	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.280000000 GHz Center Freq: 5.280000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.28 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 17.876 MHz Total Power 21.4 dBm Transmit Freq Error 52.993 kHz % of OBW Power 99.00 % x dB Bandwidth 21.46 MHz x dB -26.00 dB Frequency 5.280000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH64	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.320000000 GHz Center Freq: 5.320000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.32 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 17.905 MHz Total Power 19.5 dBm Transmit Freq Error 56.017 kHz % of OBW Power 99.00 % x dB Bandwidth 21.38 MHz x dB -26.00 dB Frequency 5.320000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz

Mode 6: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-1

CH100



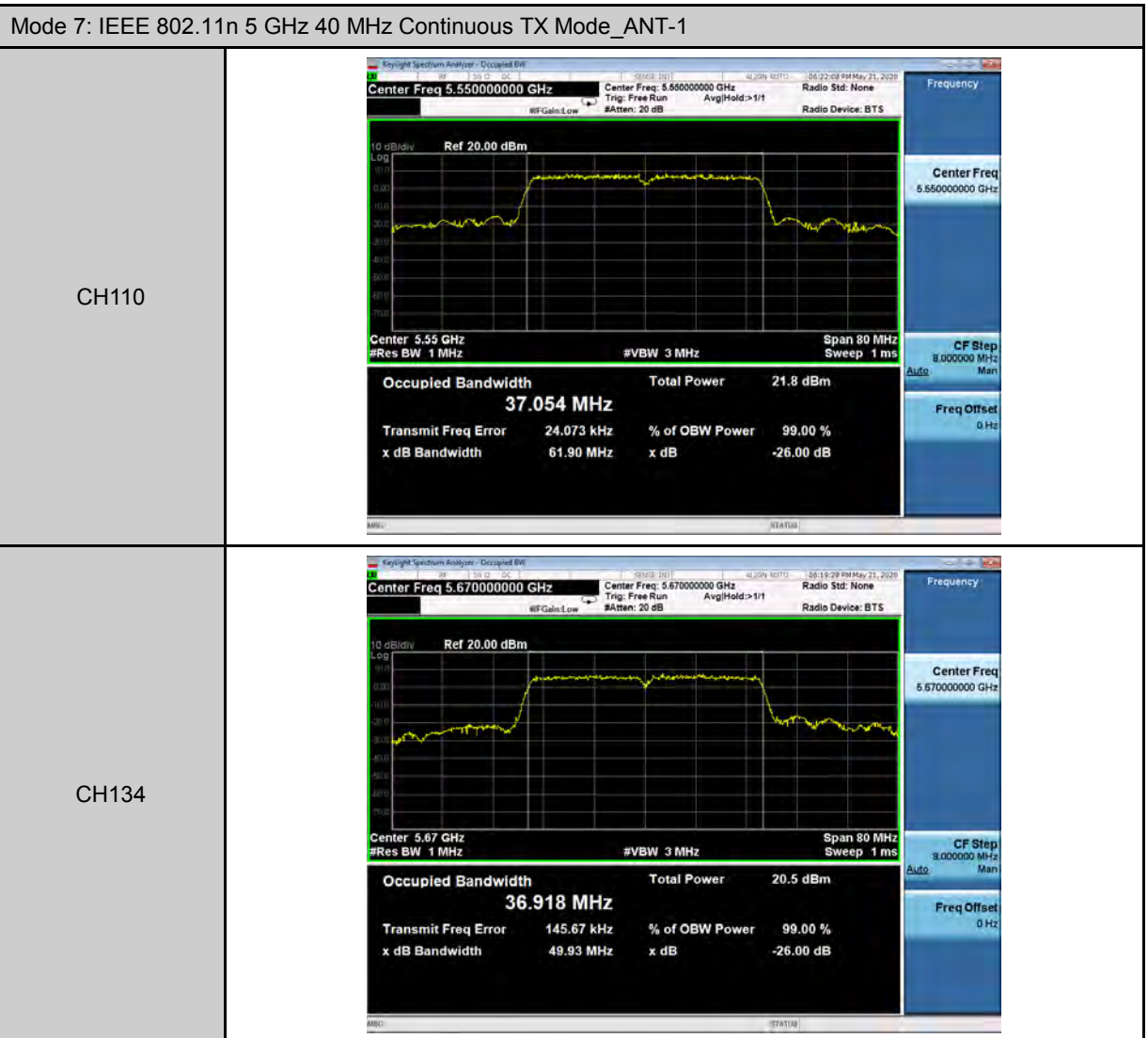
CH112



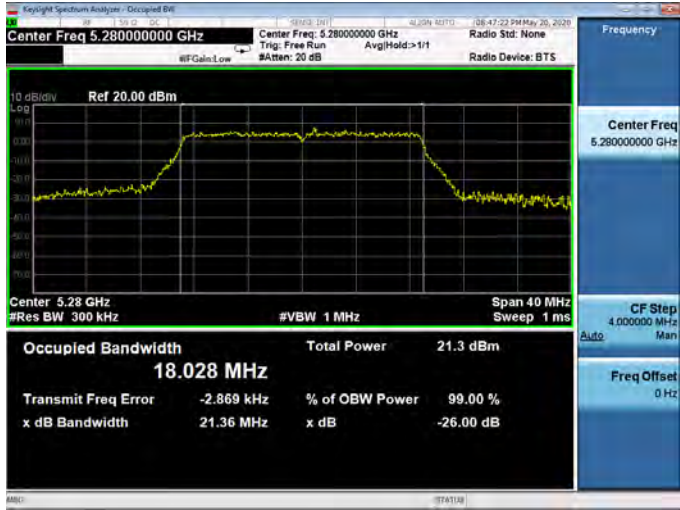
CH140









Mode 8: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1	
CH52	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.260000000 GHz Center Freq: 5.260000000 GHz Radio Std: None Trig: Free Run AvgHold: >1/1 #BW Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.26 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 18.023 MHz Total Power 21.0 dBm Transmit Freq Error -14.320 kHz % of OBW Power 99.00 % x dB Bandwidth 21.44 MHz x dB -26.00 dB Frequency Center Freq 5.260000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH56	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.280000000 GHz Center Freq: 5.280000000 GHz Radio Std: None Trig: Free Run AvgHold: >1/1 #BW Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.28 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 18.028 MHz Total Power 21.3 dBm Transmit Freq Error -2.869 kHz % of OBW Power 99.00 % x dB Bandwidth 21.36 MHz x dB -26.00 dB Frequency Center Freq 5.280000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH64	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.320000000 GHz Center Freq: 5.320000000 GHz Radio Std: None Trig: Free Run AvgHold: >1/1 #BW Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.32 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 18.012 MHz Total Power 19.1 dBm Transmit Freq Error 5.159 kHz % of OBW Power 99.00 % x dB Bandwidth 21.41 MHz x dB -26.00 dB Frequency Center Freq 5.320000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz

Mode 8: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1

CH100

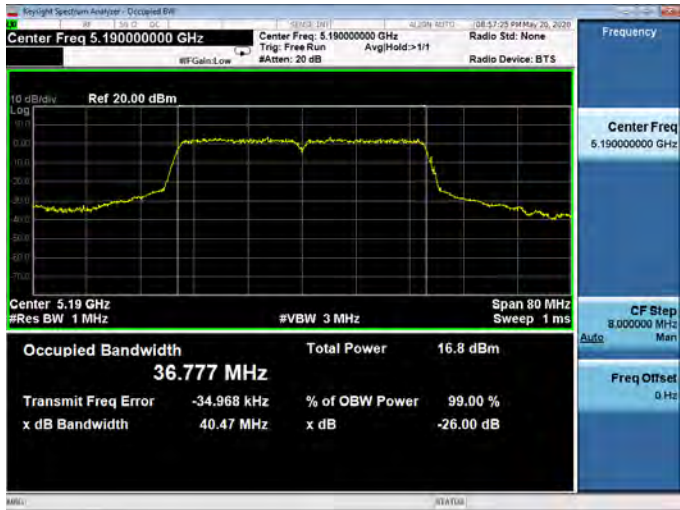
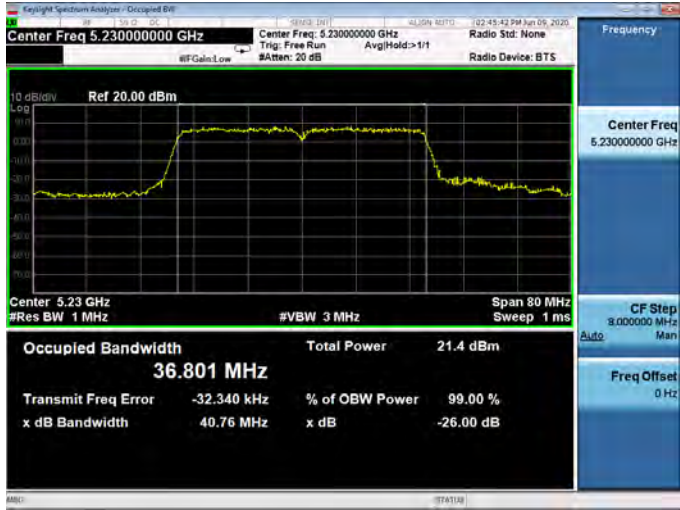
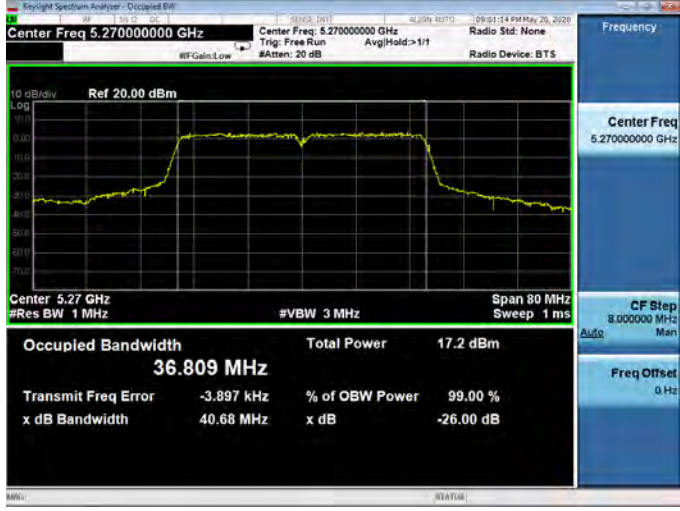


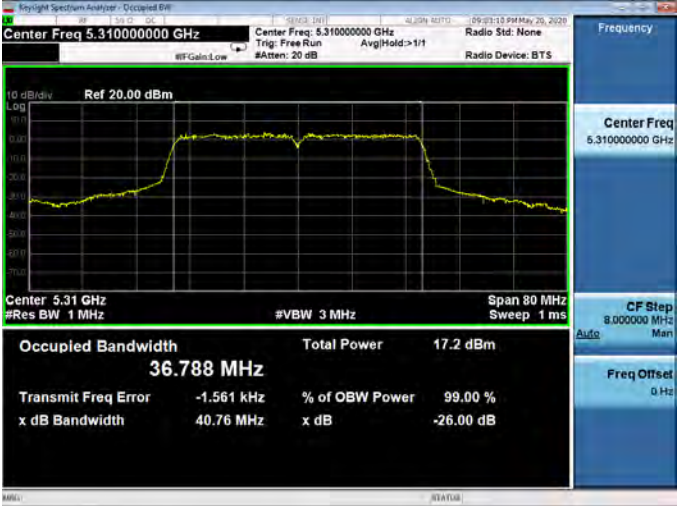
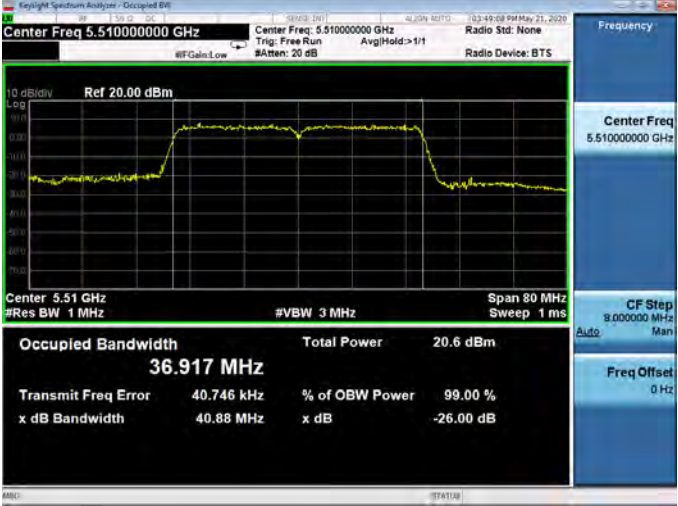
CH112

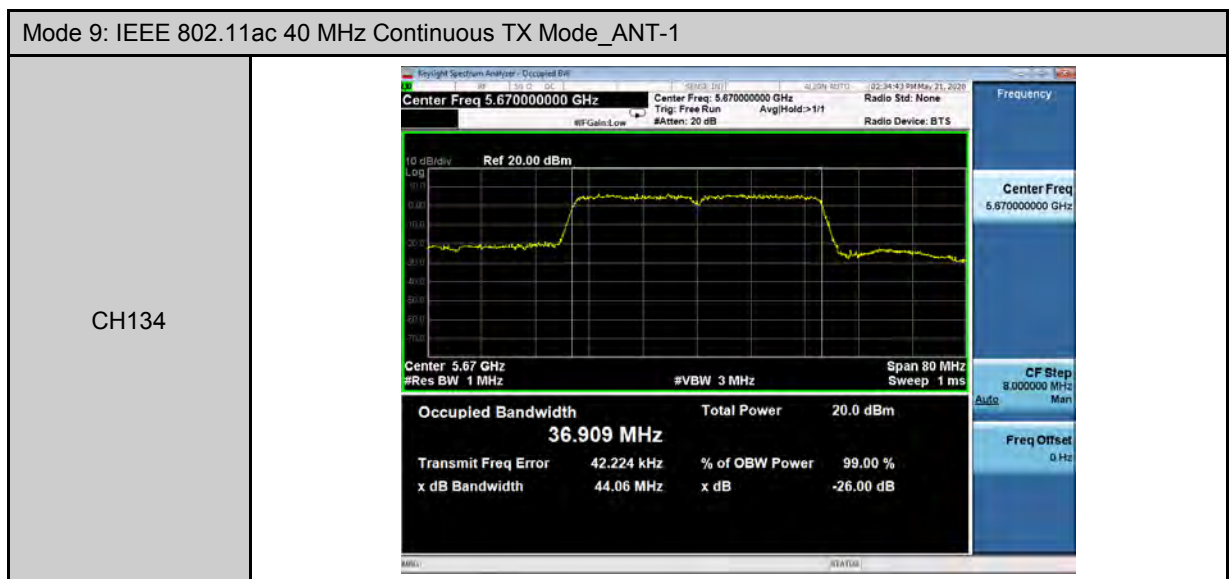


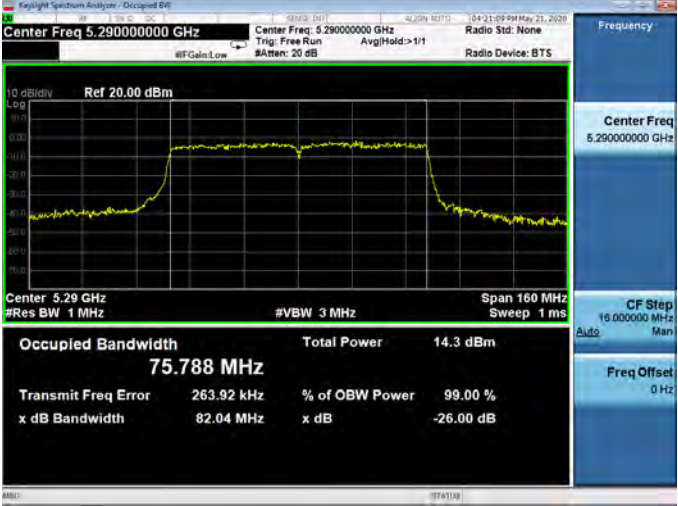
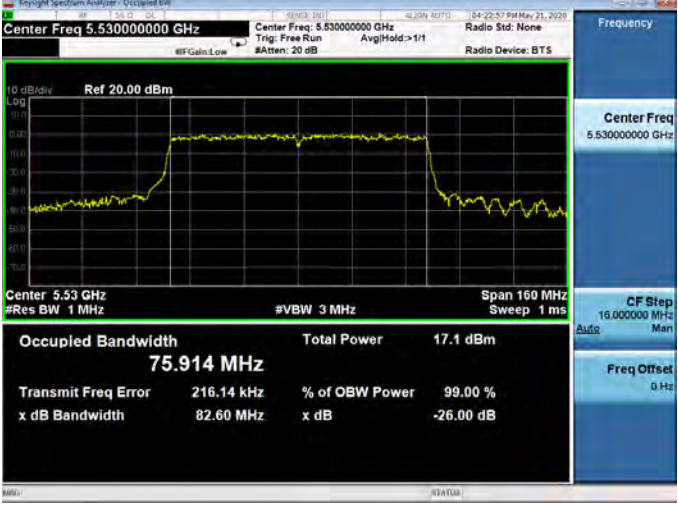
CH140

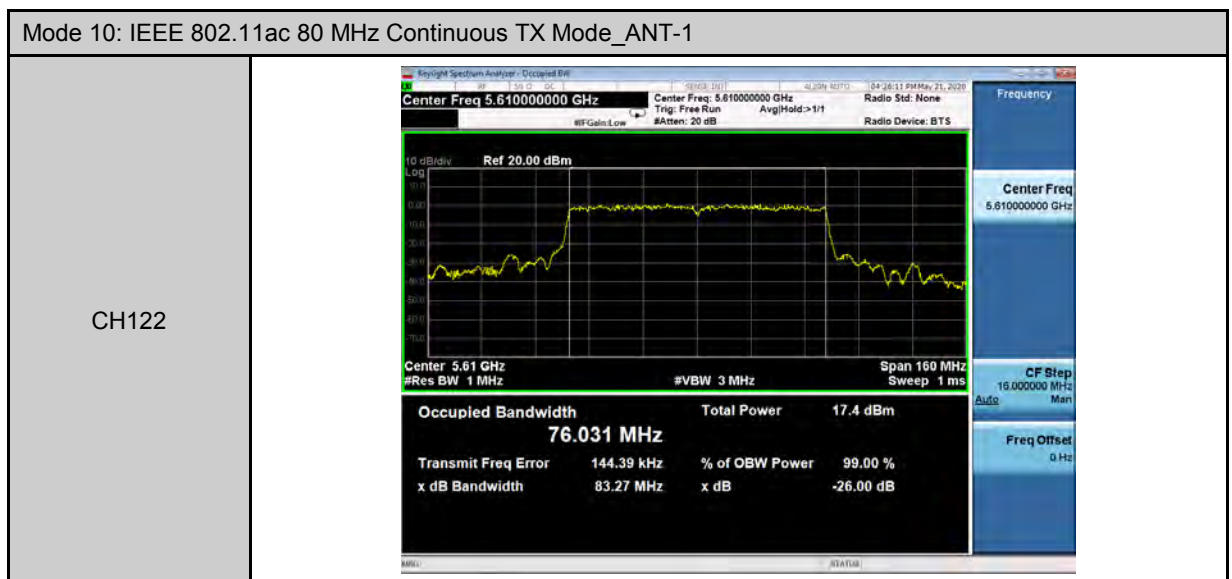


Mode 9: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-1	
CH38	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.190000000 GHz Center Freq: 5.190000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center: 5.19 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 36.777 MHz Total Power 16.8 dBm Transmit Freq Error -34.968 kHz % of OBW Power 99.00 % x dB Bandwidth 40.47 MHz x dB -26.00 dB Frequency Center Freq 5.190000000 GHz CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz
CH46	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.230000000 GHz Center Freq: 5.230000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center: 5.23 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 36.801 MHz Total Power 21.4 dBm Transmit Freq Error -32.340 kHz % of OBW Power 99.00 % x dB Bandwidth 40.76 MHz x dB -26.00 dB Frequency Center Freq 5.230000000 GHz CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz
CH54	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.270000000 GHz Center Freq: 5.270000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center: 5.27 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 36.809 MHz Total Power 17.2 dBm Transmit Freq Error -3.897 kHz % of OBW Power 99.00 % x dB Bandwidth 40.68 MHz x dB -26.00 dB Frequency Center Freq 5.270000000 GHz CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz

Mode 9: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-1	
CH62	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.310000000 GHz Center Freq: 5.310000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.31 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 36.788 MHz Total Power 17.2 dBm Transmit Freq Error -1.561 kHz % of OBW Power 99.00 % x dB Bandwidth 40.76 MHz x dB -26.00 dB Frequency Center Freq 5.310000000 GHz CF Step 8.000000 MHz Man Freq Offset 0 Hz
CH102	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.510000000 GHz Center Freq: 5.510000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.51 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 36.917 MHz Total Power 20.6 dBm Transmit Freq Error 40.746 kHz % of OBW Power 99.00 % x dB Bandwidth 40.88 MHz x dB -26.00 dB Frequency Center Freq 5.510000000 GHz CF Step 8.000000 MHz Man Freq Offset 0 Hz
CH110	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.550000000 GHz Center Freq: 5.550000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.55 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 36.952 MHz Total Power 20.7 dBm Transmit Freq Error 6.012 kHz % of OBW Power 99.00 % x dB Bandwidth 47.63 MHz x dB -26.00 dB Frequency Center Freq 5.550000000 GHz CF Step 8.000000 MHz Man Freq Offset 0 Hz



Mode 10: IEEE 802.11ac 80 MHz Continuous TX Mode_ANT-1	
CH42	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.210000000 GHz Center Freq: 5.210000000 GHz Trig: Free Run Avg/Hold: >1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.21 GHz #Res BW 1 MHz #VBW 3 MHz Span 160 MHz Sweep 1 ms Occupied Bandwidth 75.917 MHz Total Power 15.6 dBm Transmit Freq Error 148.77 kHz % of OBW Power 99.00 % x dB Bandwidth 81.78 MHz x dB -26.00 dB Frequency 5.21000000 GHz CF Step 16.000000 MHz Man Freq Offset 0 Hz
CH58	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.290000000 GHz Center Freq: 5.290000000 GHz Trig: Free Run Avg/Hold: >1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.29 GHz #Res BW 1 MHz #VBW 3 MHz Span 160 MHz Sweep 1 ms Occupied Bandwidth 75.788 MHz Total Power 14.3 dBm Transmit Freq Error 263.92 kHz % of OBW Power 99.00 % x dB Bandwidth 82.04 MHz x dB -26.00 dB Frequency 5.29000000 GHz CF Step 16.000000 MHz Man Freq Offset 0 Hz
CH106	 Keylight Spectrum Analyzer - Occupied BW Center Freq 5.530000000 GHz Center Freq: 5.530000000 GHz Trig: Free Run Avg/Hold: >1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.53 GHz #Res BW 1 MHz #VBW 3 MHz Span 160 MHz Sweep 1 ms Occupied Bandwidth 75.914 MHz Total Power 17.1 dBm Transmit Freq Error 216.14 kHz % of OBW Power 99.00 % x dB Bandwidth 82.60 MHz x dB -26.00 dB Frequency 5.53000000 GHz CF Step 16.000000 MHz Man Freq Offset 0 Hz

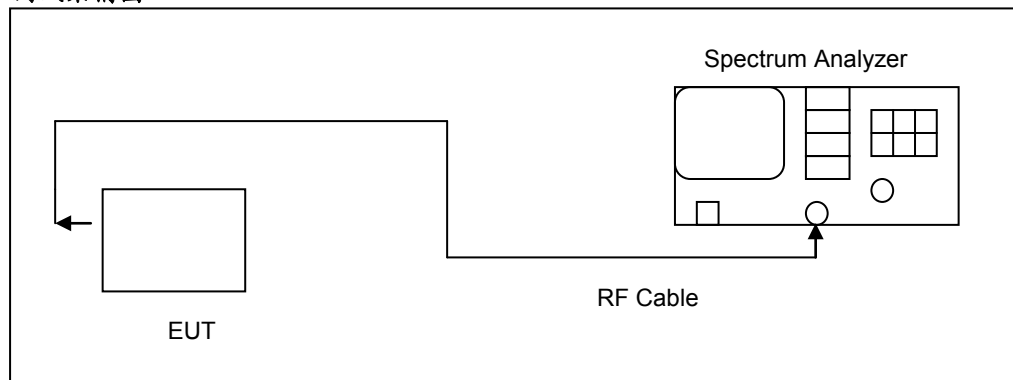


4.3.5 6 dB頻寬之要求

合格標準:

在 5.725 GHz~5.850 GHz 頻帶操作之設備，其 6 dB 頻寬至少應有 500 kHz。

測試架構圖：



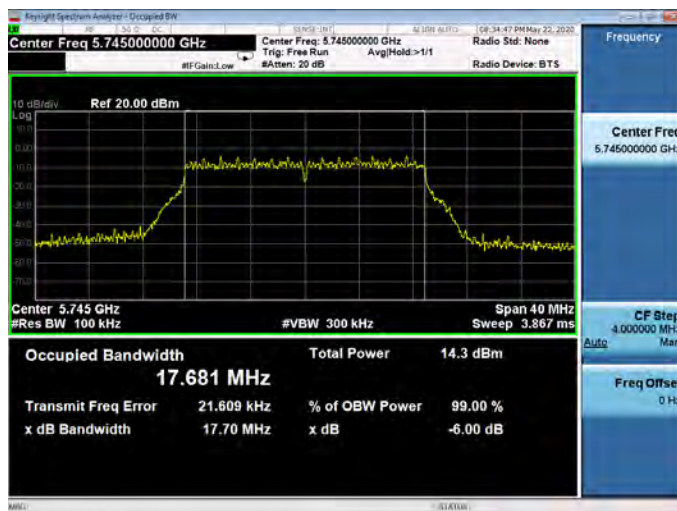
測試結果:

操作模式 : Mode 5 / Mode 8 / Mode 9 / Mode 10

操作模式	頻道 (CH)	頻率 (MHz)	6 dB 頻寬量測值 (kHz)		限制值 (kHz)
			ANT-0	ANT-1	
Mode 5	149	5745.0	---	16340	≥ 500
	157	5785.0	---	16350	≥ 500
	165	5825.0	---	16350	≥ 500
Mode 8	149	5745.0	17700	17720	≥ 500
	157	5785.0	17680	17710	≥ 500
	165	5825.0	17720	17670	≥ 500
Mode 9	151	5755.0	36470	36460	≥ 500
	159	5795.0	36470	36520	≥ 500
Mode 10	155	5775.0	76480	76360	≥ 500

Mode 8: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0

CH149

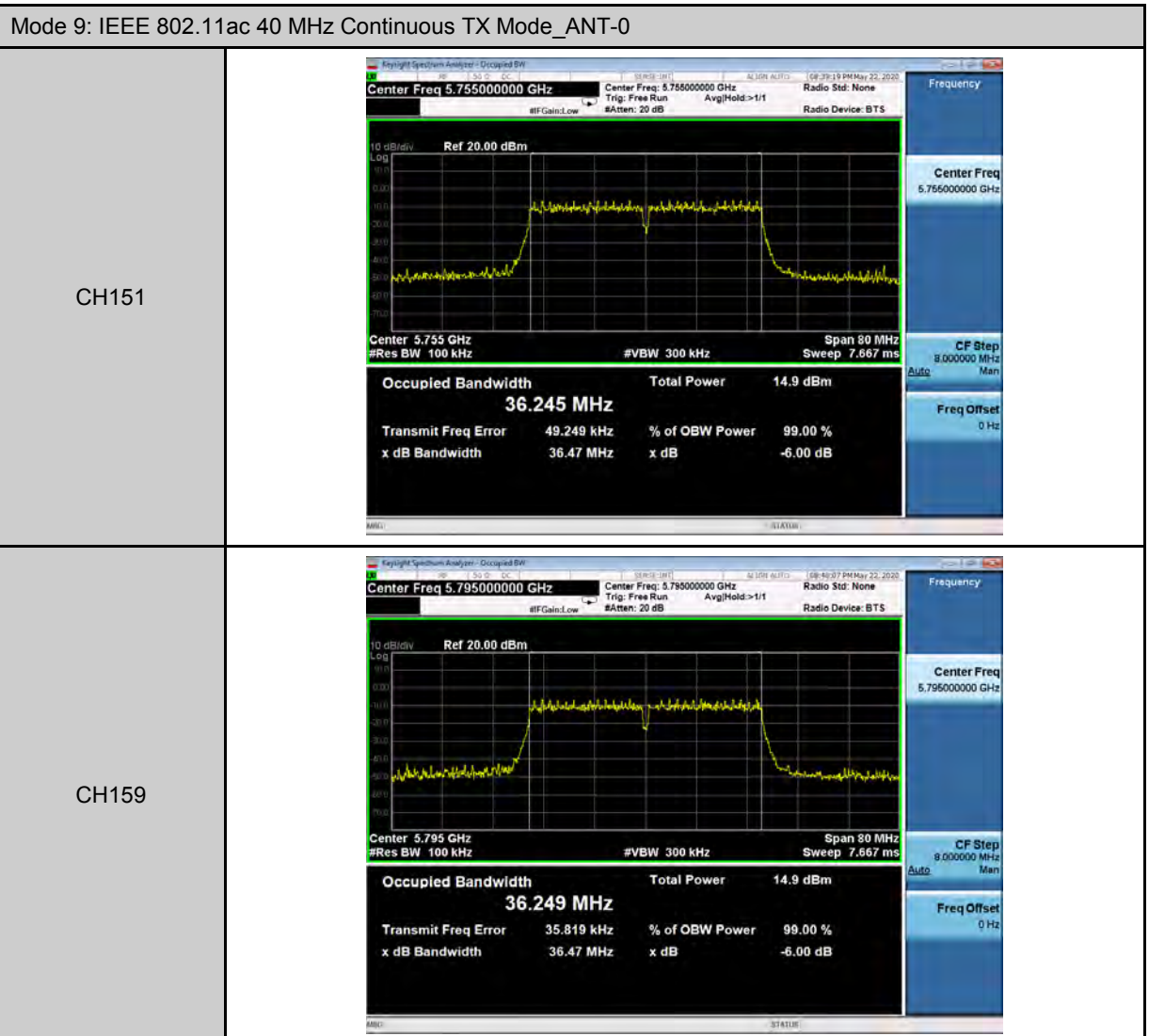


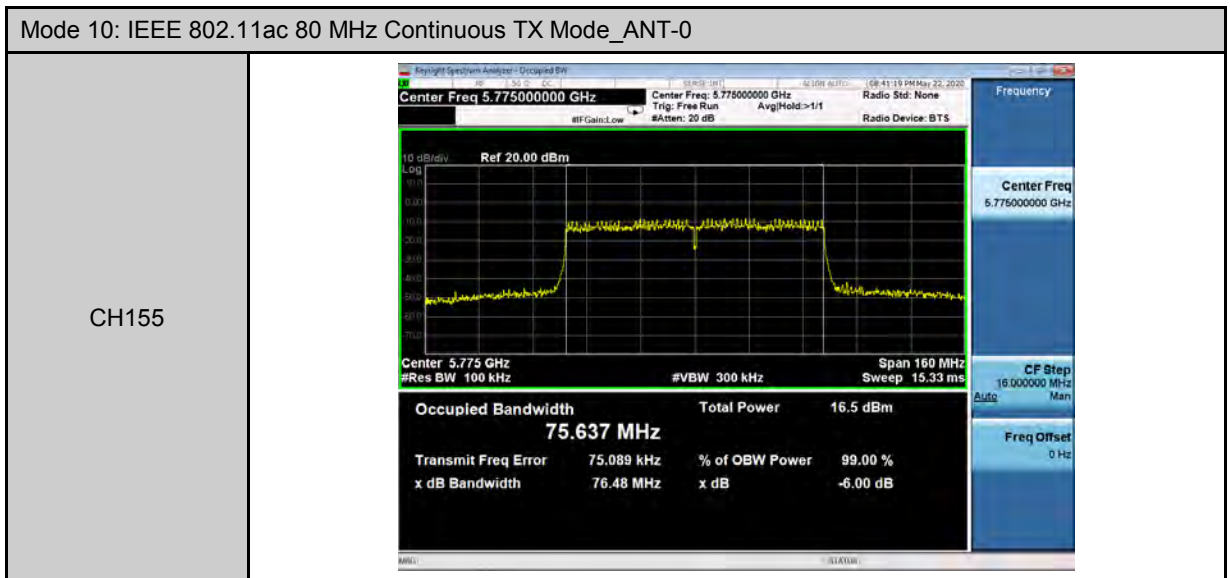
CH157



CH165







Mode 5: IEEE 802.11a Continuous TX Mode_ANT-1

CH149



CH157



CH165



Mode 8: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1

CH149

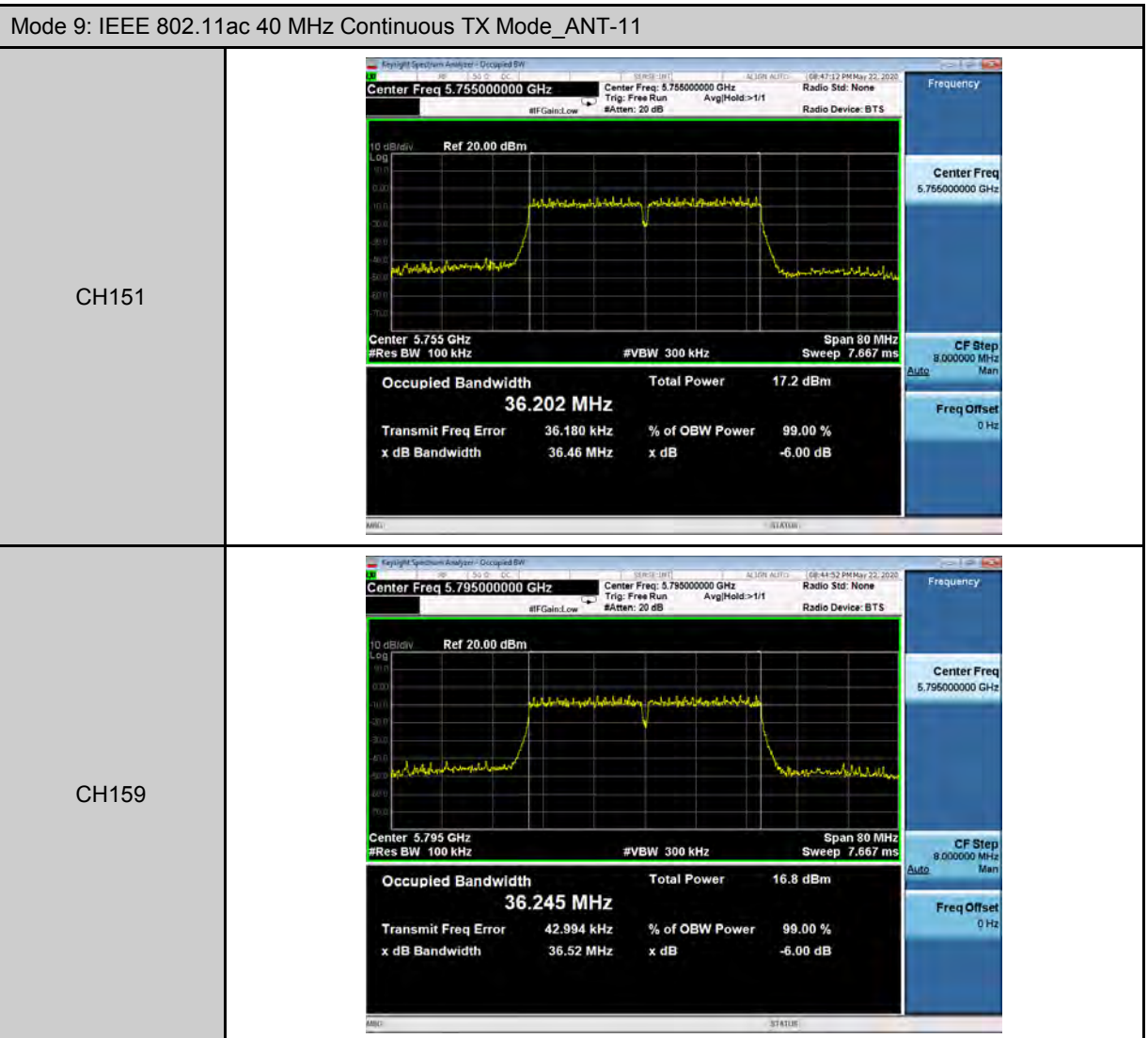


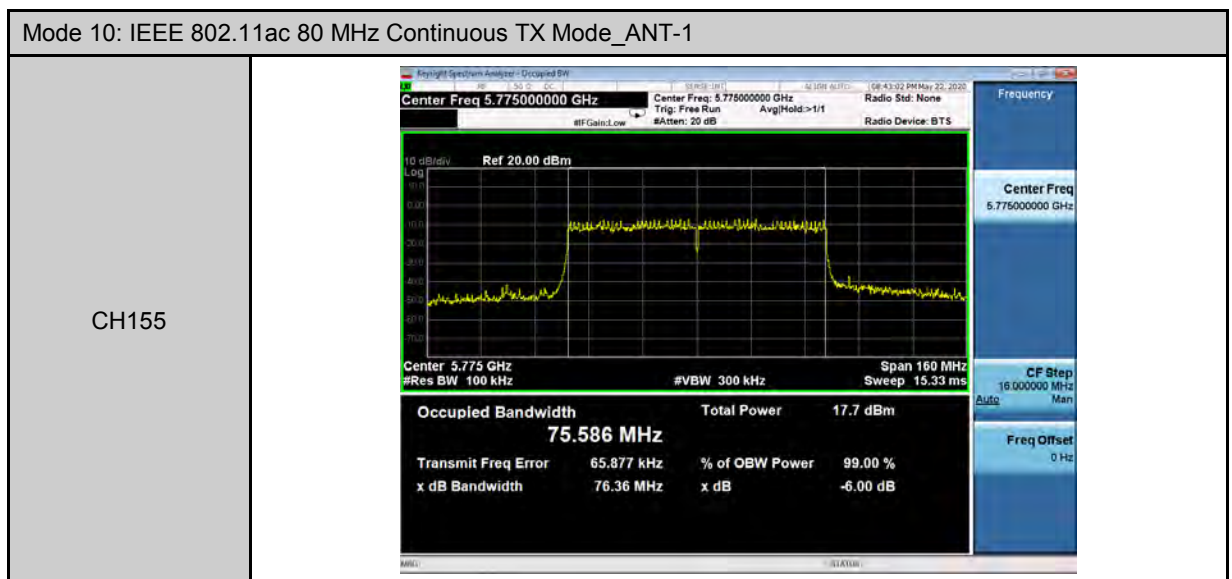
CH157



CH165





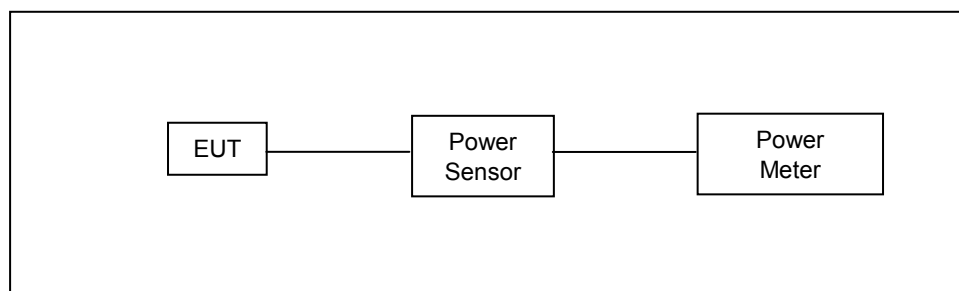


4.3.6 發射功率控制(TPC)之量測

合格標準:

依據 NCC 低功率射頻電機技術規範(LP0002)4.7.7.1 節之要求, 發射功率控制(TPC)操作於 5.25 GHz~5.35 GHz 與 5.470 GHz~5.725 GHz 頻帶的設備, 應具備發射功率控制功能。設備必須至少具有 6 dB 低於平均 EIRP 值 30 dBm 的能力。EIRP 值低於 500 mW 之系統不須具備 TPC 功能。

測試架構圖：



測試結果:

操作模式	: Mode 5 / Mode 6 / Mode 7 / Mode 8 / Mode 9 / Mode 10			
測試結果	Mode 5: EIRP =	59.020 mW	< 500 mW	, 故不需評估發射功率控制(TPC)。
	Mode 6: EIRP =	181.470 mW	< 500 mW	, 故不需評估發射功率控制(TPC)。
	Mode 7: EIRP =	113.879 mW	< 500 mW	, 故不需評估發射功率控制(TPC)。
	Mode 8: EIRP =	191.014 mW	< 500 mW	, 故不需評估發射功率控制(TPC)。
	Mode 9: EIRP =	120.472 mW	< 500 mW	, 故不需評估發射功率控制(TPC)。
	Mode 10: EIRP =	64.041 mW	< 500 mW	, 故不需評估發射功率控制(TPC)。

4.3.7 動態頻率選擇(DFS)之量測

合格標準:

依據 NCC 低功率射頻電機技術規範(LP0002)4.7.7.2 節之要求, 操作於 5.25 GHz~5.35 GHz 與 5.470 GHz~5.725 GHz 頻帶之設備應具備動態頻率選擇雷達偵測功能並啟動之, 以完整偵測使用頻帶內之雷達訊號, 避免與雷達系統

同頻道操作。相關規定如下:

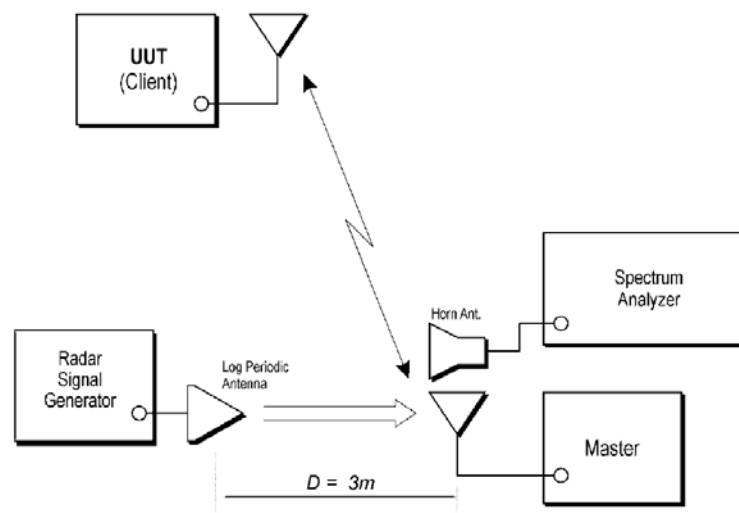
最低動態頻率選擇的偵測門檻

- 最大 EIRP 為 200 mW 至 1 W 之設備, 其最低動態頻率選擇的偵測門檻值為-64 dBm。
- 最大 EIRP 低於 200 mW, 且功率頻譜密度小於 10 dBm/MHz 之設備, 其最低動態頻率選擇的偵測門檻值為-62 dBm。
- 最大 EIRP 低於 200 mW, 且功率頻譜密度大於或等於 10 dBm/MHz 之設備, 其最低動態頻率選擇的偵測門檻值為-64dBm。
- 此偵測門檻值為 1 微秒內之平均接收功率, 並以 0 dBi 天線為參考基準。頻道初始設定得由系統隨機選取或使用用戶手動選取。

操作模式: 動態頻率選擇之規定適用於以下之操作模式:

- 頻道可用性檢查時間之規定, 適用於主控運作模式。
- 頻道移動時間之規定, 適用於主控及受控運作模式。

測試架構圖:



測試結果:

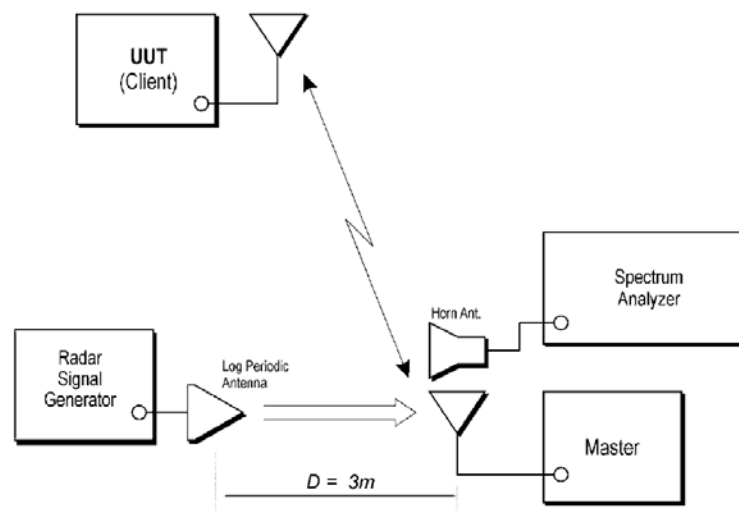
操作模式	: Mode 10
測試結果	: 不適用, 此產品為受控裝置, 因此不須評估動態頻率選擇(DFS)

4.3.8 頻道可用性檢查時間之量測

合格標準：

依據 NCC 低功率射頻電機技術規範(LP0002)之 4.7.7.2(3)節之要求，設備必須檢查其可在某一頻道上起始傳送之前是否有雷達系統已經操作在該頻道上，以及何時其必須移動到另一新的頻道，在 60 秒內若沒有偵測到功率位準大過上述之干擾門檻值的雷達信號時，設備才可開始使用該頻道。

測試架構圖：



測試結果：

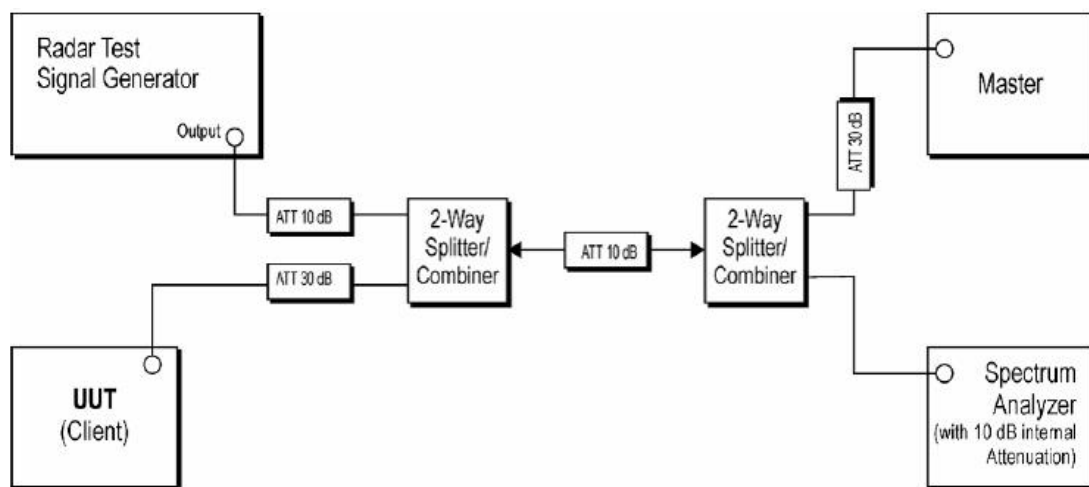
操作模式	: Mode 10
測試結果	: 不適用；此產品為受控裝置，因此不須評估頻道可用性檢查時間

4.3.9 頻道移動時間之量測

合格標準：

依據 NCC 低功率射頻電機技術規範(LP0002)之 4.7.7.2(4)節節之要求，在偵測到雷達的存在後，所有在該操作頻道上的所有傳輸須在 10 秒內停止，在偵測到雷達信號後，該期間內的傳輸應維持最多 200 毫秒的正常通訊。另外，間歇性的管理與控制信號可在剩餘的時間中傳送，以便撤離該操作頻道。

測試架構圖：



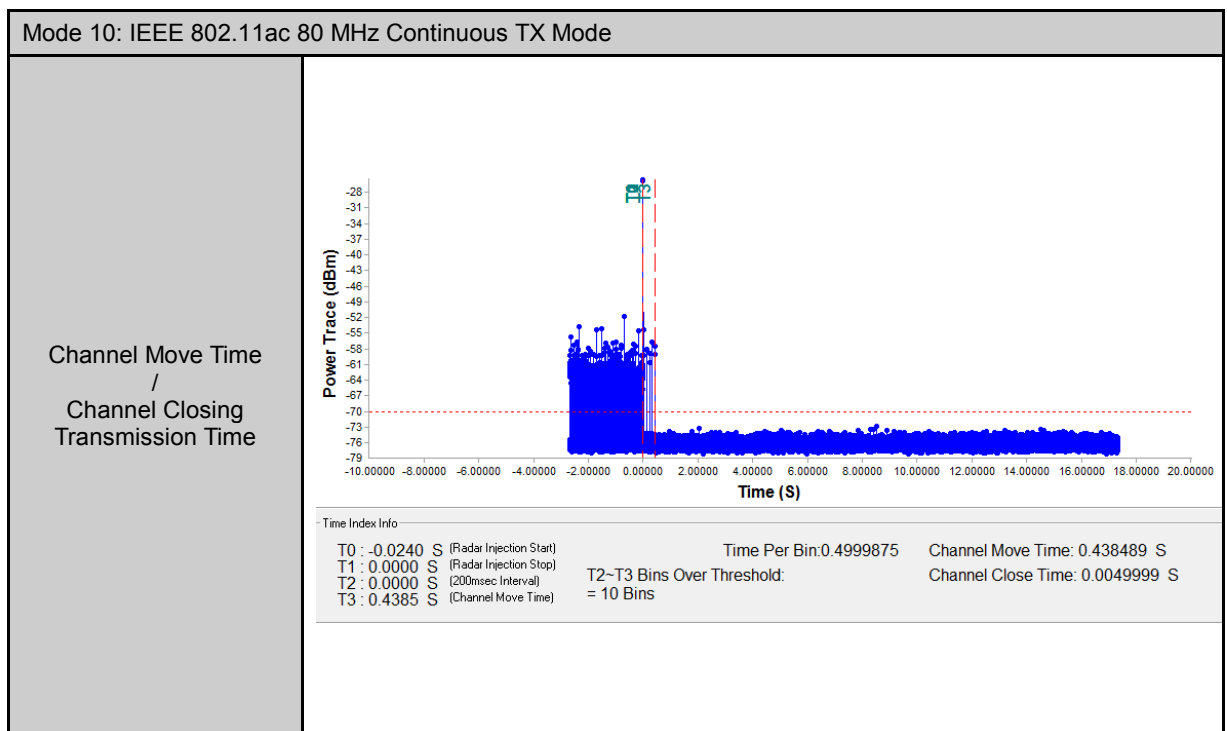
Product		Manufacturer	Model No.	ID
1	Netgear Access Point	Netgear	R7800	FCC : PY35100319

測試結果:

操作模式 : Mode 10

Frequency (MHz)	Radar Type	Channel Move Time (sec)	Limit (sec)
5610	Type 0	0.4385	10

Frequency (MHz)	Radar Type	Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
5610	Type 0	4.9999	200

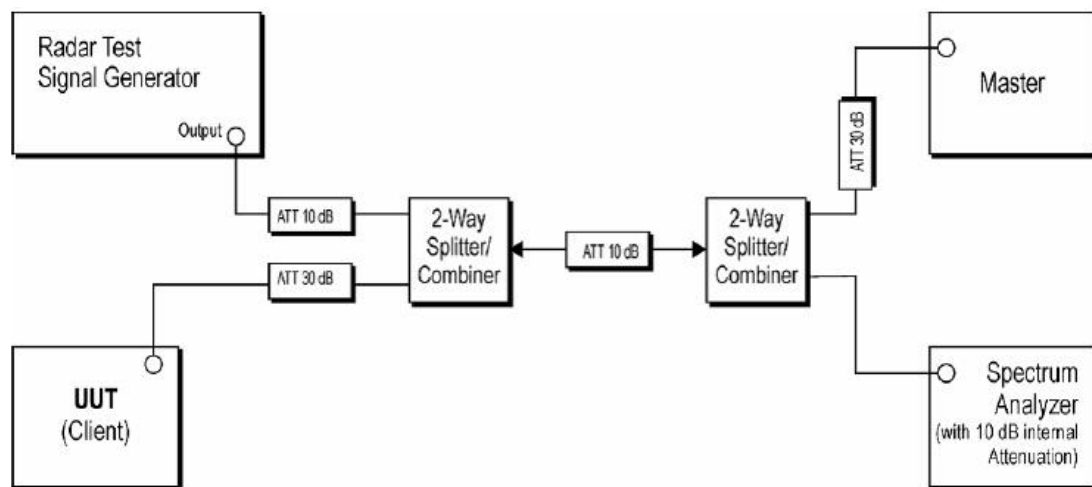


4.3.10 不可佔用時間之量測

合格標準:

依據 NCC 低功率射頻電機技術規範(LP0002)之 4.7.7.2(5)節節之要求, 某一頻道已被頻道可用性檢查或”服務中”監視顯示含有雷達系統, 至少須有 30 分鐘的不可佔用期間。不可佔用期間起始於偵測到雷達系統的當時。

測試架構圖:



測試結果:

操作模式	: Mode 10
測試結果	: 不適用, 此產品為受控裝置, 因此不須評估不可佔用時間

4.3.11 天線規格之要求

合格標準:

據 NCC 低功率射頻電機技術規範(LP0002)之 4.7.8 節之要求，天線之規格不受第 2.2 節規定之限制

判定結果:

符合。

Antenna	製造商	型號	型態	增益值 (dBi)
				5 GHz
ANT-0	SOUTH STAR TECHNOLOGY HONG KONG COMPANY LIMITED	HK Citation Oasis WIFI-1	PCB Antenna	3.56
ANT-1	SOUTH STAR TECHNOLOGY HONG KONG COMPANY LIMITED	HK Citation Oasis WIFI-2	PCB Antenna	3.46

4.3.12 電波暴露量之評估

合格標準:

若受測物於正常操作模式下，其發射機距離人體 20 公分以上者，可測試最大暴露允許值(Maximum Permissible Exposure, MPE)以證明其符合電波暴露量之要求。限制值如下：

5.20.2.1 職業性/可控制之暴露

頻率範圍 (MHz)	電場強度 (V/m)	磁場強度 (A/m)	功率密度 (mW/cm ²)	平均時間 (minutes)
0.3~3.0	614	1.63	*100	6
3~30	1842/f	4.89/f	*900/f ²	6
30~300	61.4	0.163	1.0	6
300~1,500	-----	-----	f/300	6
1,500~100,000	-----	-----	5.0	6

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

5.20.2.2 一般人/不可控制之暴露

頻率範圍 (MHz)	電場強度 (V/m)	磁場強度 (A/m)	功率密度 (mW/cm ²)	平均時間 (minutes)
0.3~1.34	614	1.63	*100	30
1.34~30	824/f	2.19/f	*180/f ²	30
30~300	27.5	0.073	0.2	30
300~1,500	-----	-----	f/1500	30
1,500~100,000	-----	-----	1.0	30

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

判定結果:

Band	Frequency (MHz)	Limit (mW/cm ²)	Distance [R] (cm)	Power [P] (dBm)	ANT Gain (dBi)	Numeric Gain [G] (dBi)	Duty Cycle	With Duty cycle [P] x [G] (mW)	Power Density [S] (mW/cm ²)
WLAN 2.4 GHz	2412-2462	1	20	12.63	2.26	1.68	1	30.783	0.0061
WLAN 5 GHz	5180-5825	1	20	16.29	6.52	4.49	1	191.122	0.0380

---END---