

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5510MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 10		
Ant.Polar.:	Vertical		

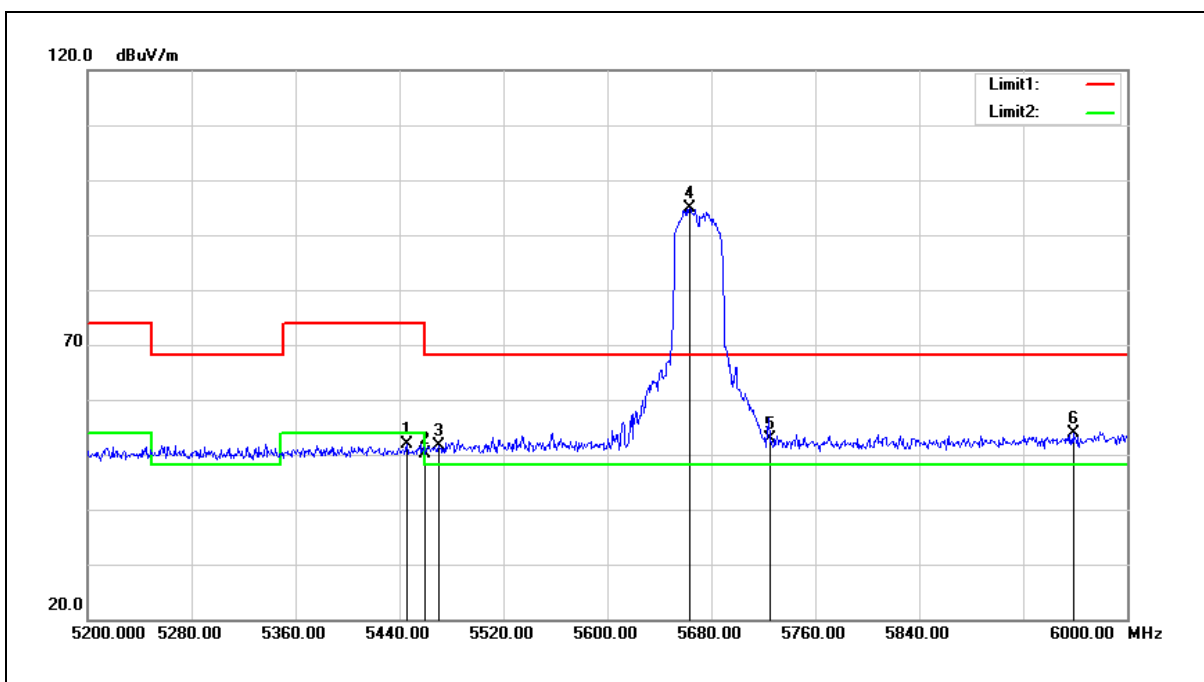
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5444.000	58.24	-4.22	54.02	74.00	-19.98	peak
2	5444.000	44.57	-4.22	40.35	54.00	-13.65	AVG
3	5451.200	60.14	-4.21	55.93	74.00	-18.07	peak
4	5451.200	44.98	-4.21	40.77	54.00	-13.23	AVG
5	5460.000	59.84	-4.18	55.66	74.00	-18.34	peak
6	5460.000	45.90	-4.18	41.72	54.00	-12.28	AVG
7	5470.000	63.46	-4.16	59.30	68.20	-8.90	peak
8	5502.400	96.28	-4.09	92.19	---	---	peak
9	5725.000	55.32	-3.41	51.91	68.20	-16.29	peak
10	5969.600	56.95	-2.66	54.29	68.20	-13.91	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:	5670MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 10		
Ant.Polar.:	Horizontal		



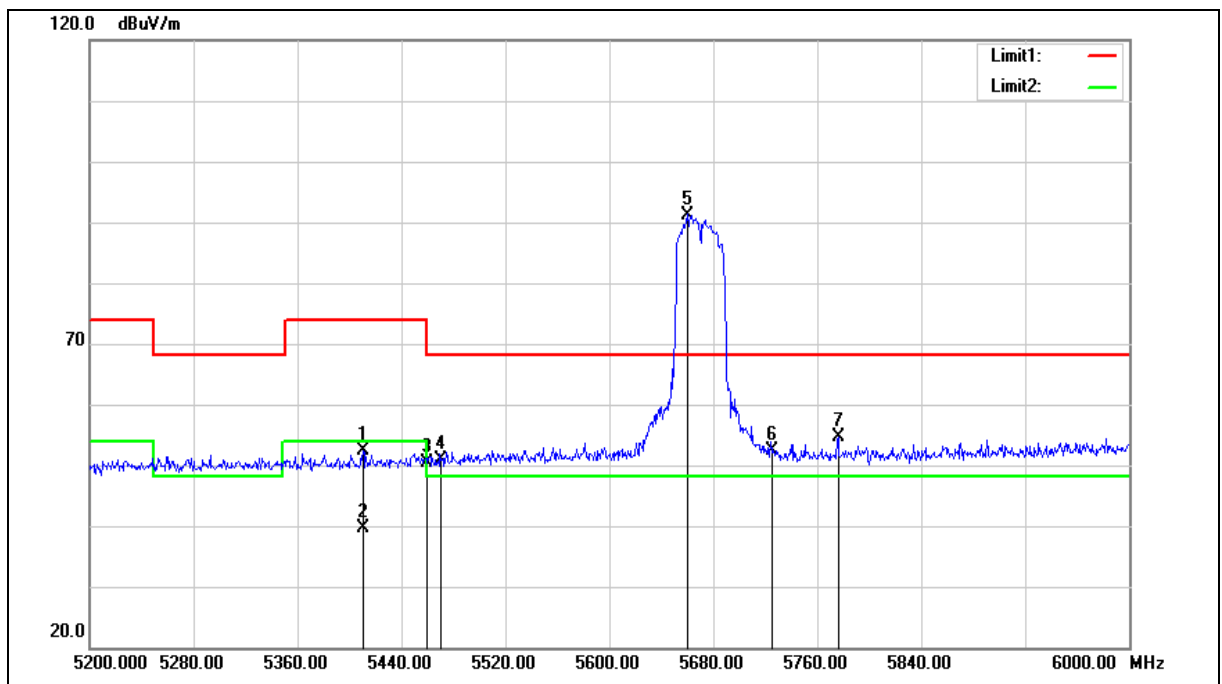
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5445.600	56.02	-4.22	51.80	74.00	-22.20	peak
2	5460.000	54.38	-4.18	50.20	74.00	-23.80	peak
3	5470.000	55.86	-4.16	51.70	68.20	-16.50	peak
4	5663.200	98.50	-3.59	94.91	---	---	peak
5	5725.000	56.38	-3.41	52.97	68.20	-15.23	peak
6	5958.400	56.66	-2.70	53.96	68.20	-14.24	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:	5670MHz	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:	5670MHz	Temp.(°C)/Hum. (% RH):	26(°C)/60 % RH
Mode:	Mode 10		
Ant.Polar.:	Vertical		

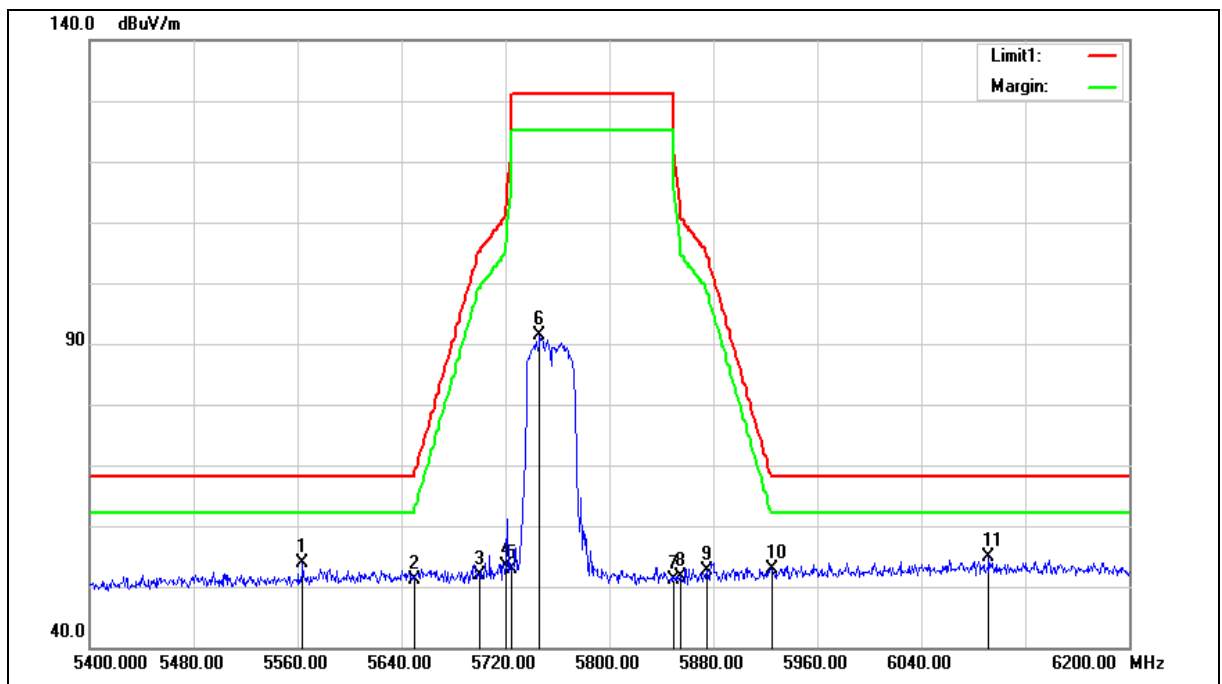
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5410.400	56.60	-4.30	52.30	74.00	-21.70	peak
2	5410.400	44.03	-4.30	39.73	54.00	-14.27	AVG
3	5460.000	54.59	-4.18	50.41	74.00	-23.59	peak
4	5470.000	55.13	-4.16	50.97	68.20	-17.23	peak
5	5660.000	94.85	-3.60	91.25	---	---	peak
6	5725.000	55.80	-3.41	52.39	68.20	-15.81	peak
7	5776.000	57.92	-3.25	54.67	68.20	-13.53	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:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5755MHz	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:	5755MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 10		
Ant.Polar.:	Horizontal		

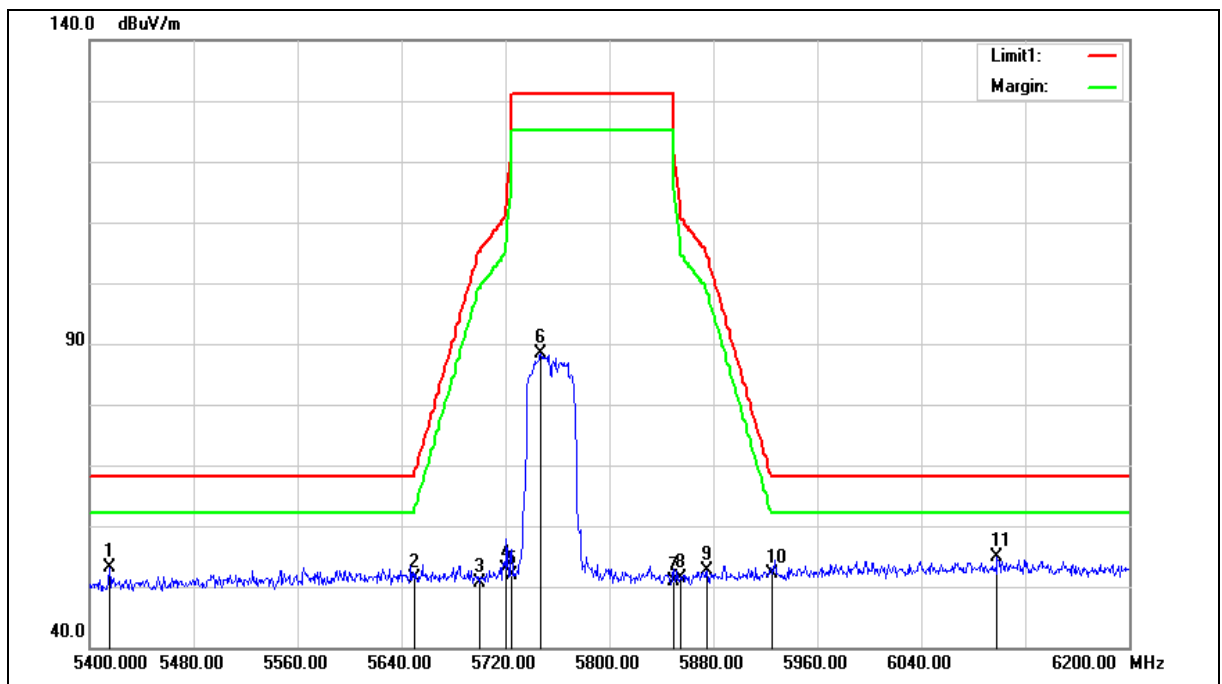
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5564.000	57.66	-3.90	53.76	68.20	-14.44	peak
2	5650.000	54.71	-3.63	51.08	68.20	-17.12	peak
3	5700.000	55.30	-3.48	51.82	105.20	-53.38	peak
4	5720.000	56.70	-3.42	53.28	110.80	-57.52	peak
5	5725.000	56.17	-3.41	52.76	122.20	-69.44	peak
6	5746.400	94.66	-3.35	91.31	---	----	peak
7	5850.000	54.22	-3.03	51.19	122.20	-71.01	peak
8	5855.000	54.67	-3.01	51.66	110.80	-59.14	peak
9	5875.000	55.58	-2.95	52.63	105.20	-52.57	peak
10	5925.000	55.78	-2.80	52.98	68.20	-15.22	peak
11	6092.000	57.41	-2.49	54.92	68.20	-13.28	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5755MHz	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:	5755MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 10		
Ant.Polar.:	Vertical		

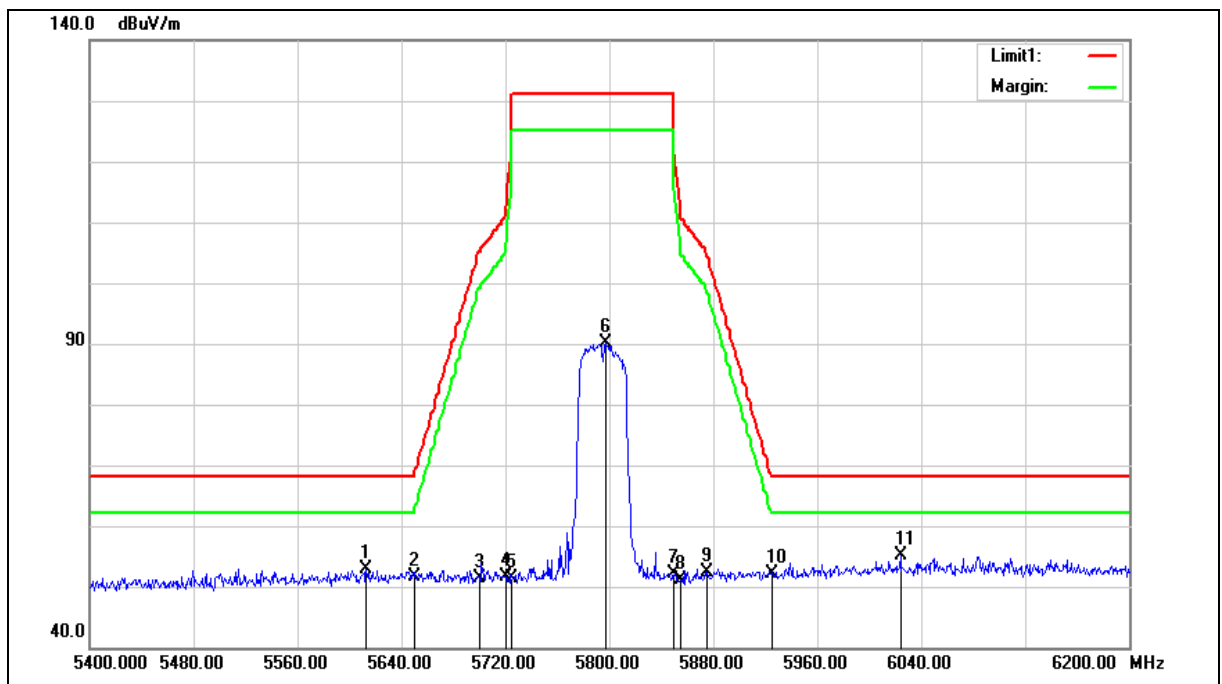
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5415.200	57.40	-4.29	53.11	68.20	-15.09	peak
2	5650.000	54.92	-3.63	51.29	68.20	-16.91	peak
3	5700.000	54.15	-3.48	50.67	105.20	-54.53	peak
4	5720.000	56.40	-3.42	52.98	110.80	-57.82	peak
5	5725.000	55.25	-3.41	51.84	122.20	-70.36	peak
6	5747.200	91.77	-3.33	88.44	---	---	peak
7	5850.000	53.90	-3.03	50.87	122.20	-71.33	peak
8	5855.000	54.39	-3.01	51.38	110.80	-59.42	peak
9	5875.000	55.60	-2.95	52.65	105.20	-52.55	peak
10	5925.000	54.89	-2.80	52.09	68.20	-16.11	peak
11	6098.400	57.43	-2.48	54.95	68.20	-13.25	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:	5795MHz	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:	5795MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 10		
Ant.Polar.:	Horizontal		

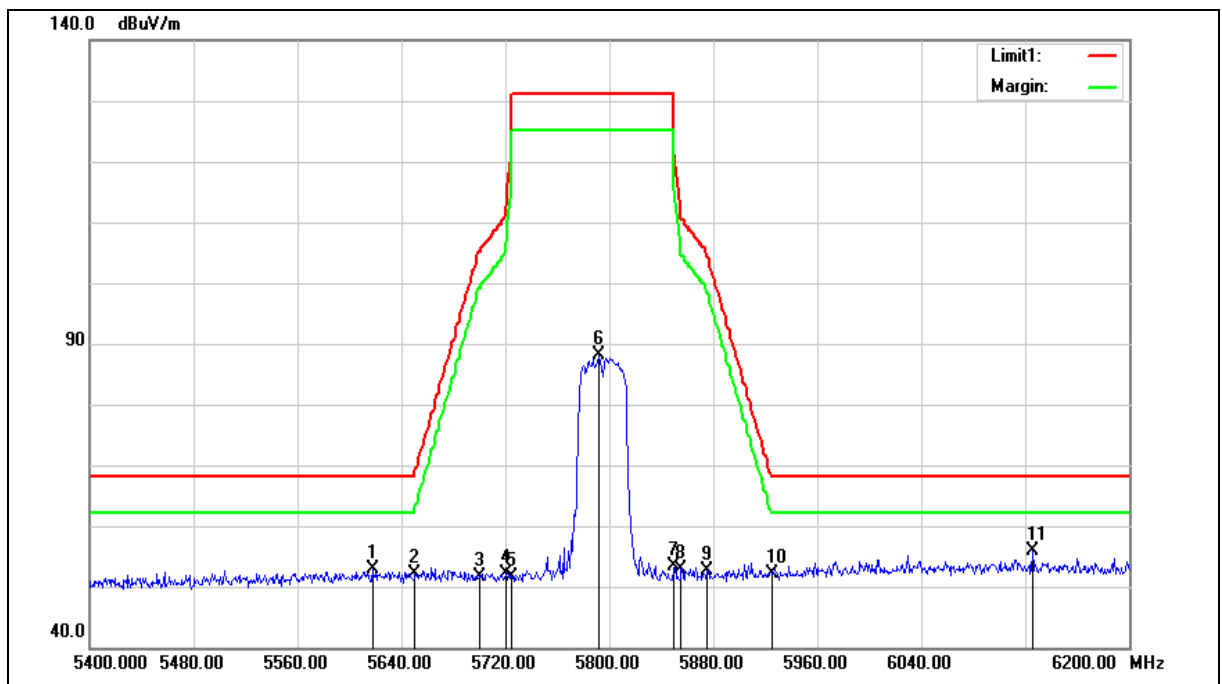
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5612.800	56.63	-3.75	52.88	68.20	-15.32	peak
2	5650.000	55.22	-3.63	51.59	68.20	-16.61	peak
3	5700.000	54.85	-3.48	51.37	105.20	-53.83	peak
4	5720.000	55.08	-3.42	51.66	110.80	-59.14	peak
5	5725.000	54.74	-3.41	51.33	122.20	-70.87	peak
6	5796.800	93.28	-3.19	90.09	---	---	peak
7	5850.000	55.24	-3.03	52.21	122.20	-69.99	peak
8	5855.000	54.21	-3.01	51.20	110.80	-59.60	peak
9	5875.000	55.23	-2.95	52.28	105.20	-52.92	peak
10	5925.000	55.05	-2.80	52.25	68.20	-15.95	peak
11	6024.000	57.63	-2.55	55.08	68.20	-13.12	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:	5795MHz	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:	5795MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 10		
Ant.Polar.:	Vertical		

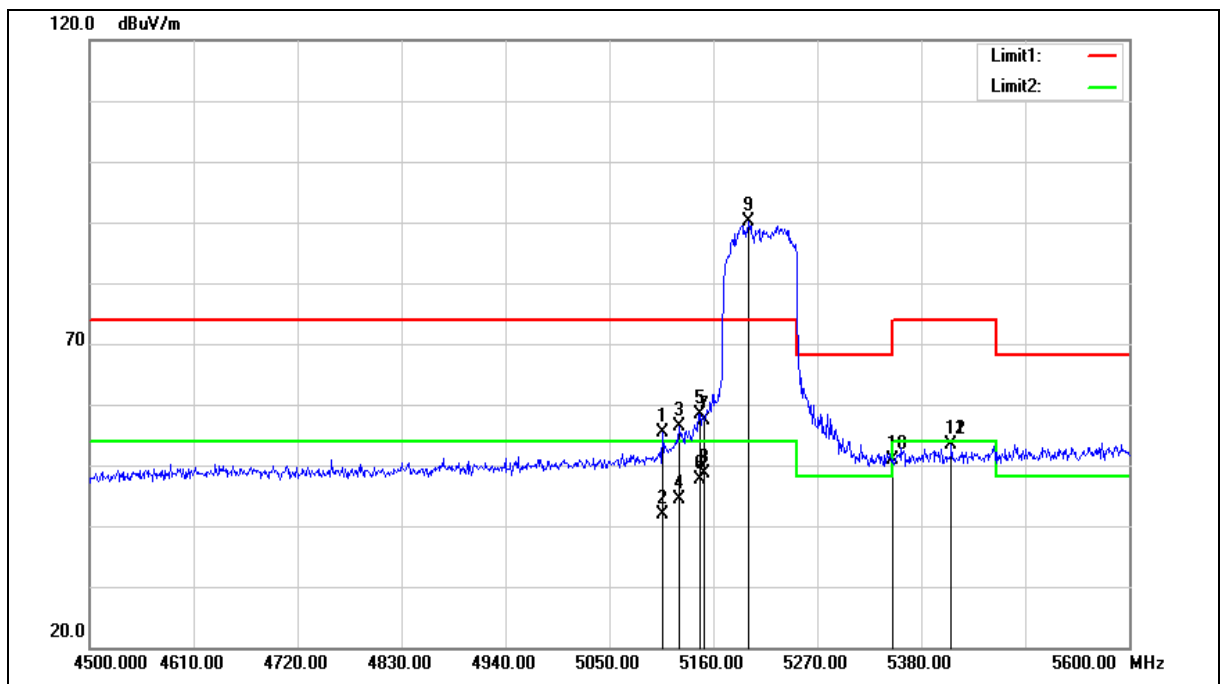
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5617.600	56.66	-3.73	52.93	68.20	-15.27	peak
2	5650.000	55.82	-3.63	52.19	68.20	-16.01	peak
3	5700.000	55.23	-3.48	51.75	105.20	-53.45	peak
4	5720.000	55.62	-3.42	52.20	110.80	-58.60	peak
5	5725.000	55.03	-3.41	51.62	122.20	-70.58	peak
6	5792.000	91.22	-3.20	88.02	---	---	peak
7	5850.000	56.35	-3.03	53.32	122.20	-68.88	peak
8	5855.000	55.80	-3.01	52.79	110.80	-58.01	peak
9	5875.000	55.69	-2.95	52.74	105.20	-52.46	peak
10	5925.000	54.88	-2.80	52.08	68.20	-16.12	peak
11	6125.600	58.43	-2.46	55.97	68.20	-12.23	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:	5210MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5210MHz	Temp.(°C)/Hum. (% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Horizontal		

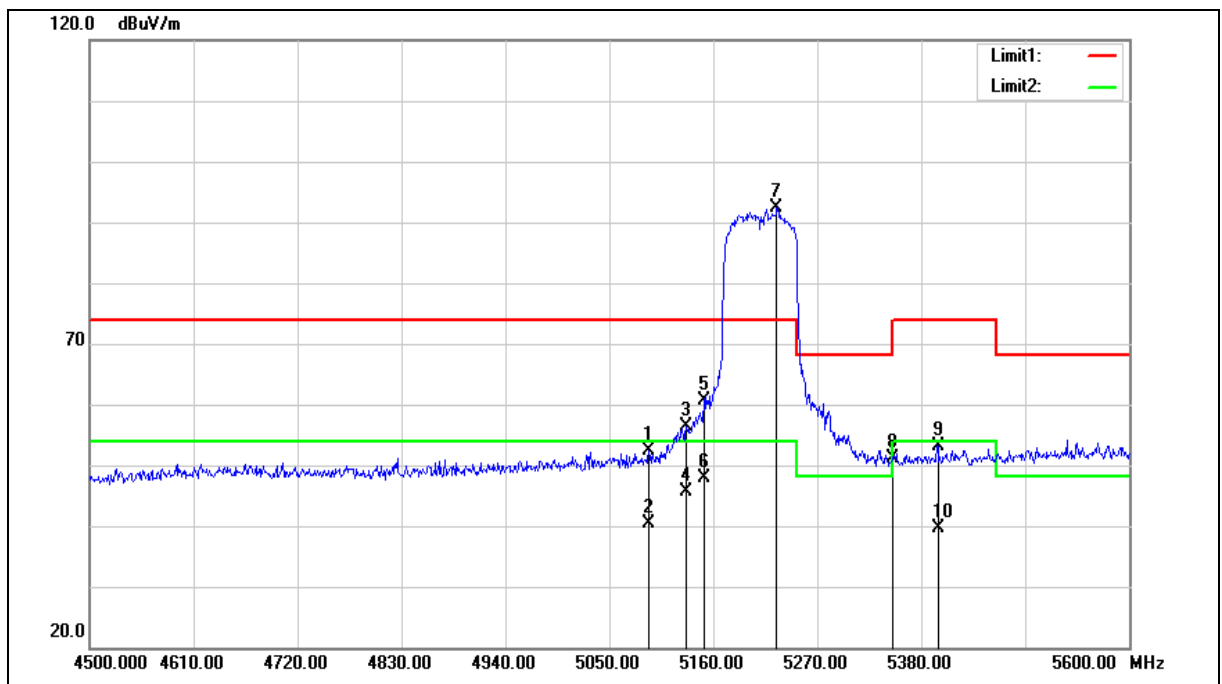
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5106.100	60.32	-5.02	55.30	74.00	-18.70	peak
2	5106.100	46.82	-5.02	41.80	54.00	-12.20	AVG
3	5123.700	61.25	-4.98	56.27	74.00	-17.73	peak
4	5123.700	49.42	-4.98	44.44	54.00	-9.56	AVG
5	5145.700	63.33	-4.92	58.41	74.00	-15.59	peak
6	5145.700	52.58	-4.92	47.66	54.00	-6.34	AVG
7	5150.000	62.24	-4.92	57.32	74.00	-16.68	peak
8	5150.000	53.51	-4.92	48.59	54.00	-5.41	AVG
9	5197.400	94.86	-4.80	90.06	---	---	peak
10	5350.000	55.34	-4.44	50.90	74.00	-23.10	peak
11	5411.900	57.71	-4.30	53.41	74.00	-20.59	peak
12	5411.900	57.71	-4.30	53.41	54.00	-0.59	AVG

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5210MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5210MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Vertical		

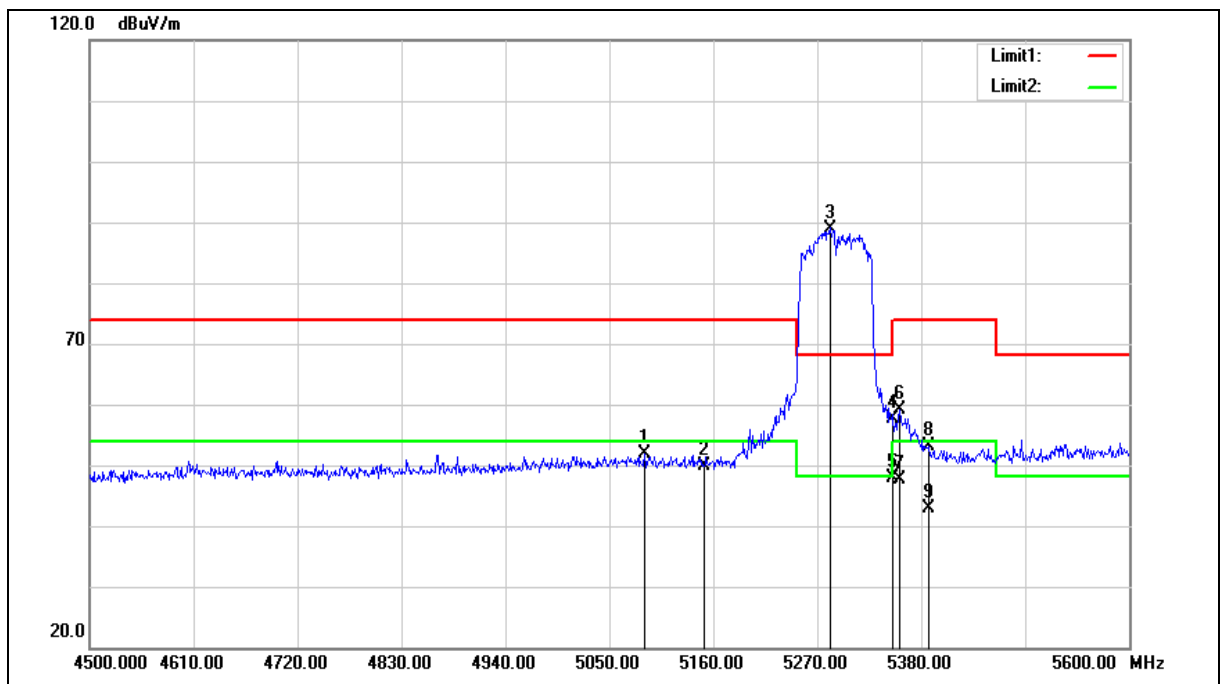
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5091.800	57.43	-5.05	52.38	74.00	-21.62	peak
2	5091.800	45.48	-5.05	40.43	54.00	-13.57	AVG
3	5131.400	61.32	-4.96	56.36	74.00	-17.64	peak
4	5131.400	50.51	-4.96	45.55	54.00	-8.45	AVG
5	5150.000	65.54	-4.92	60.62	74.00	-13.38	peak
6	5150.000	52.76	-4.92	47.84	54.00	-6.16	AVG
7	5227.100	97.01	-4.73	92.28	---	---	peak
8	5350.000	55.62	-4.44	51.18	74.00	-22.82	peak
9	5397.600	57.44	-4.33	53.11	74.00	-20.89	peak
10	5397.600	44.04	-4.33	39.71	54.00	-14.29	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:	5290MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5290MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Horizontal		

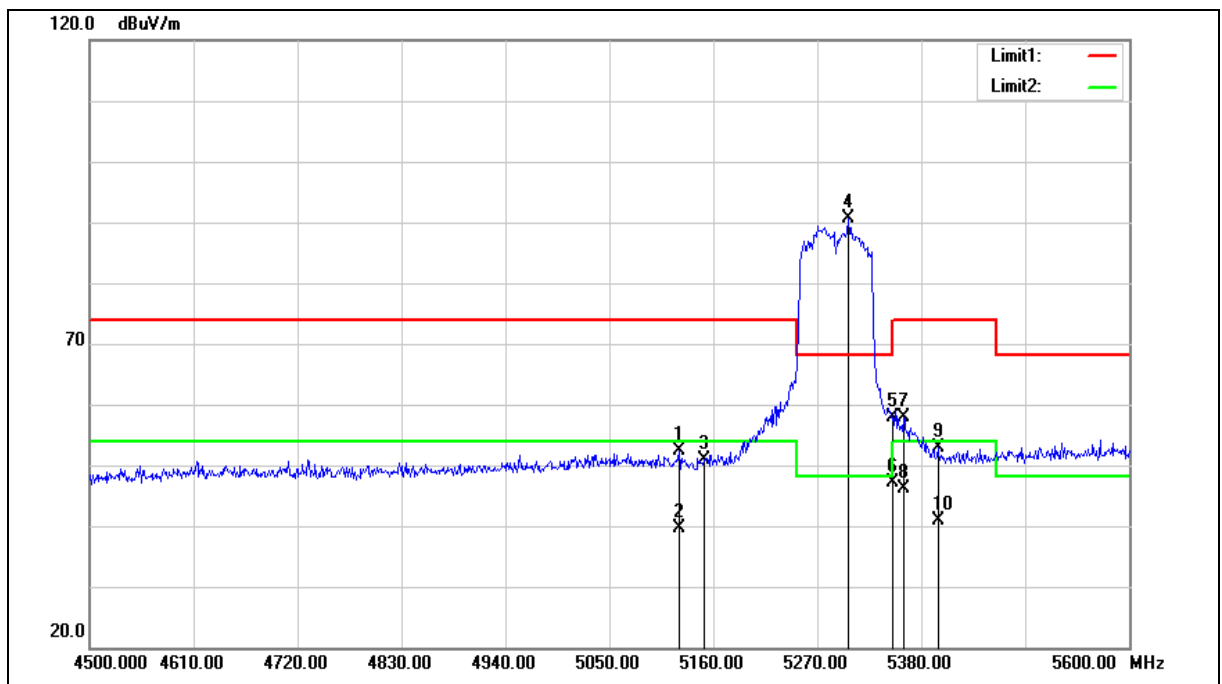
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5087.400	56.97	-5.07	51.90	74.00	-22.10	peak
2	5150.000	54.85	-4.92	49.93	74.00	-24.07	peak
3	5283.200	93.60	-4.60	89.00	---	---	peak
4	5350.000	61.96	-4.44	57.52	74.00	-16.48	peak
5	5350.000	52.40	-4.44	47.96	54.00	-6.04	AVG
6	5356.900	63.64	-4.43	59.21	74.00	-14.79	peak
7	5356.900	52.18	-4.43	47.75	54.00	-6.25	AVG
8	5387.700	57.40	-4.36	53.04	74.00	-20.96	peak
9	5387.700	47.18	-4.36	42.82	54.00	-11.18	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:	5290MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5290MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Vertical		

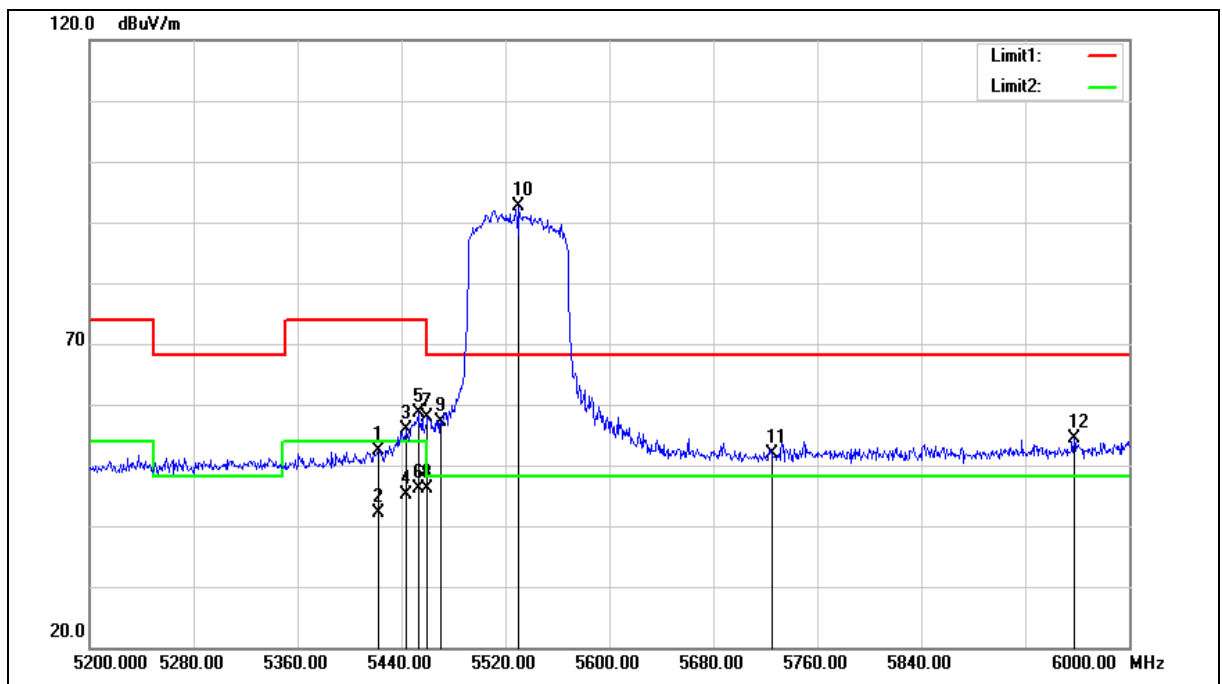
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5123.700	57.36	-4.98	52.38	74.00	-21.62	peak
2	5123.700	44.53	-4.98	39.55	54.00	-14.45	AVG
3	5150.000	55.72	-4.92	50.80	74.00	-23.20	peak
4	5303.000	95.22	-4.56	90.66	---	---	peak
5	5350.000	62.40	-4.44	57.96	74.00	-16.04	peak
6	5350.000	51.67	-4.44	47.23	54.00	-6.77	AVG
7	5361.300	62.31	-4.41	57.90	74.00	-16.10	peak
8	5361.300	50.59	-4.41	46.18	54.00	-7.82	AVG
9	5397.600	57.20	-4.33	52.87	74.00	-21.13	peak
10	5397.600	45.11	-4.33	40.78	54.00	-13.22	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:	5530MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5530MHz	Temp.(°C)/Hum. (% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Horizontal		

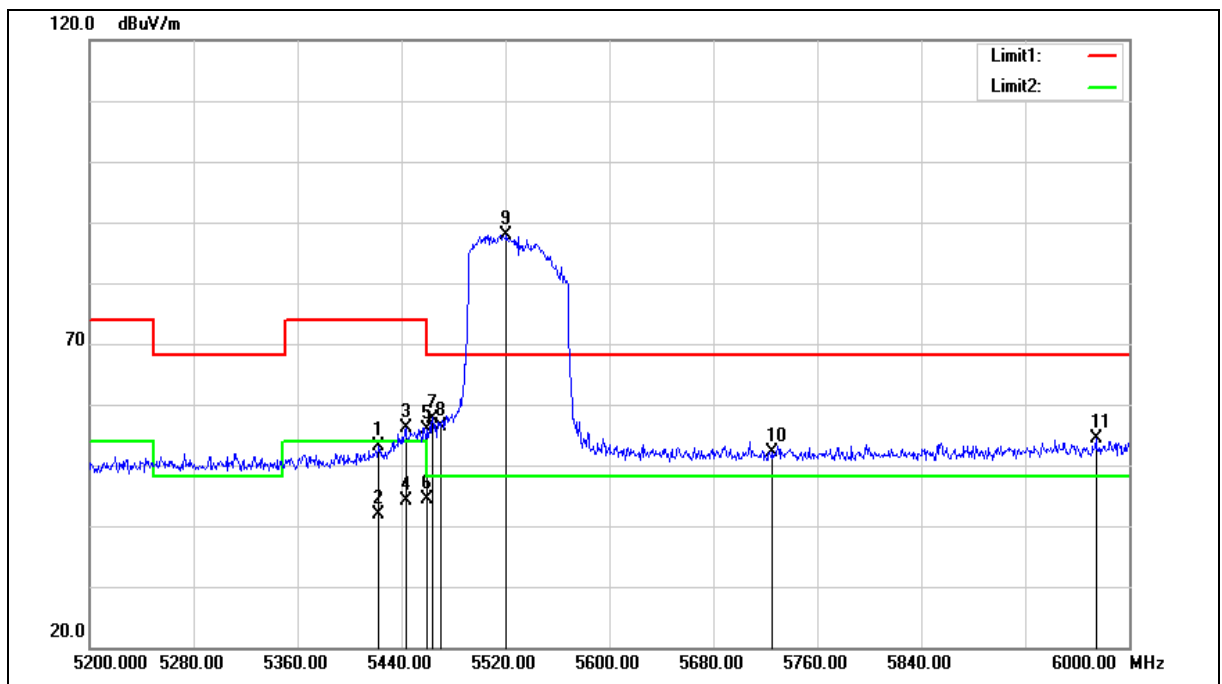
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5422.400	56.65	-4.28	52.37	74.00	-21.63	peak
2	5422.400	46.34	-4.28	42.06	54.00	-11.94	AVG
3	5444.000	60.16	-4.22	55.94	74.00	-18.06	peak
4	5444.000	49.26	-4.22	45.04	54.00	-8.96	AVG
5	5452.800	62.71	-4.20	58.51	74.00	-15.49	peak
6	5452.800	50.31	-4.20	46.11	54.00	-7.89	AVG
7	5460.000	61.95	-4.18	57.77	74.00	-16.23	peak
8	5460.000	50.36	-4.18	46.18	54.00	-7.82	AVG
9	5470.000	61.36	-4.16	57.20	68.20	-11.00	peak
10	5530.400	96.64	-4.00	92.64	---	---	peak
11	5725.000	55.36	-3.41	51.95	68.20	-16.25	peak
12	5957.600	56.97	-2.70	54.27	68.20	-13.93	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:	5530MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5530MHz	Temp.(°C)/Hum. (% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Vertical		

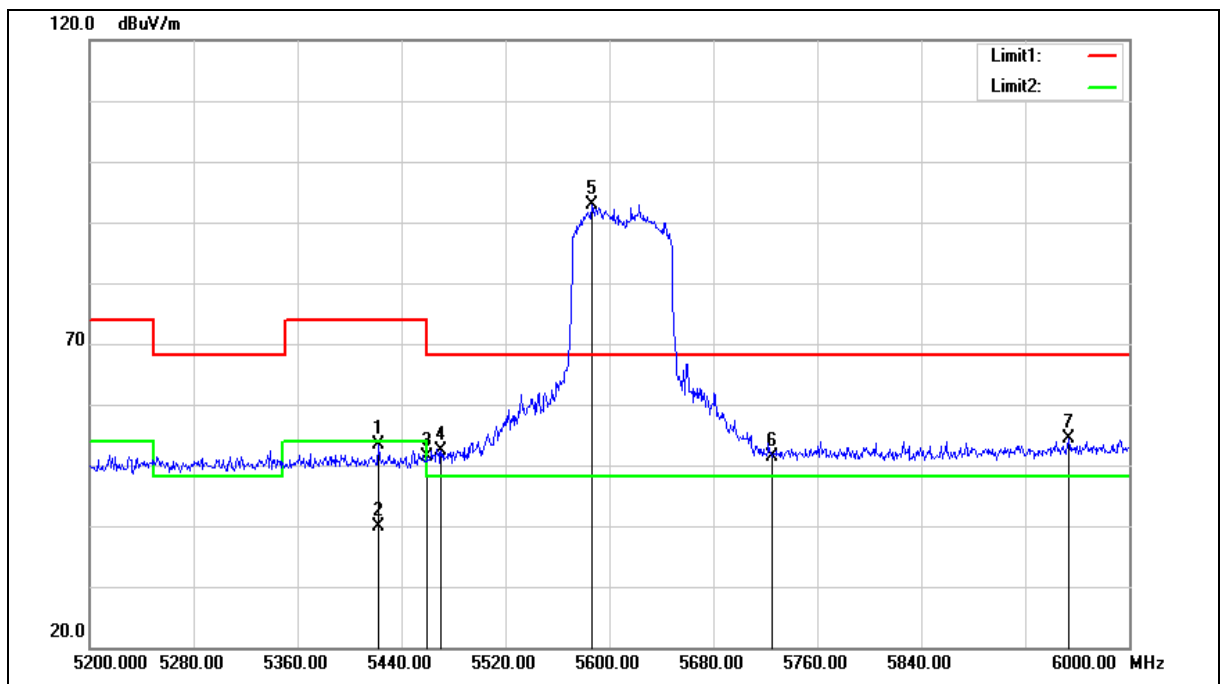
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5422.400	57.30	-4.28	53.02	74.00	-20.98	peak
2	5422.400	46.07	-4.28	41.79	54.00	-12.21	AVG
3	5443.200	60.47	-4.22	56.25	74.00	-17.75	peak
4	5443.200	48.36	-4.22	44.14	54.00	-9.86	AVG
5	5460.000	60.11	-4.18	55.93	74.00	-18.07	peak
6	5460.000	48.51	-4.18	44.33	54.00	-9.67	AVG
7	5464.000	61.92	-4.17	57.75	68.20	-10.45	peak
8	5470.000	60.64	-4.16	56.48	68.20	-11.72	peak
9	5520.800	91.91	-4.03	87.88	---	---	peak
10	5725.000	55.44	-3.41	52.03	68.20	-16.17	peak
11	5974.400	57.14	-2.65	54.49	68.20	-13.71	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:	5610MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5610MHz	Temp.(°C)/Hum. (% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Horizontal		

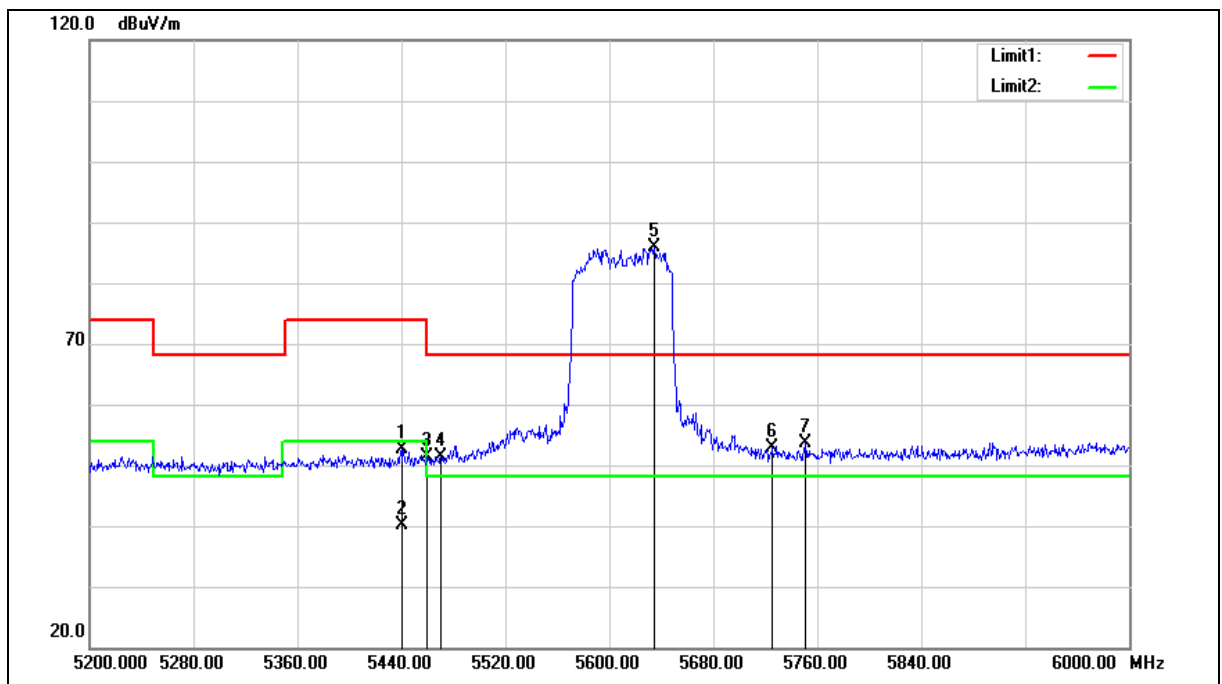
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5422.400	57.57	-4.28	53.29	74.00	-20.71	peak
2	5422.400	44.19	-4.28	39.91	54.00	-14.09	AVG
3	5460.000	55.45	-4.18	51.27	74.00	-22.73	peak
4	5470.000	56.65	-4.16	52.49	68.20	-15.71	peak
5	5586.400	96.73	-3.83	92.90	---	---	peak
6	5725.000	54.86	-3.41	51.45	68.20	-16.75	peak
7	5953.600	57.00	-2.71	54.29	68.20	-13.91	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:	5610MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5610MHz	Temp.(°C)/Hum. (% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Vertical		

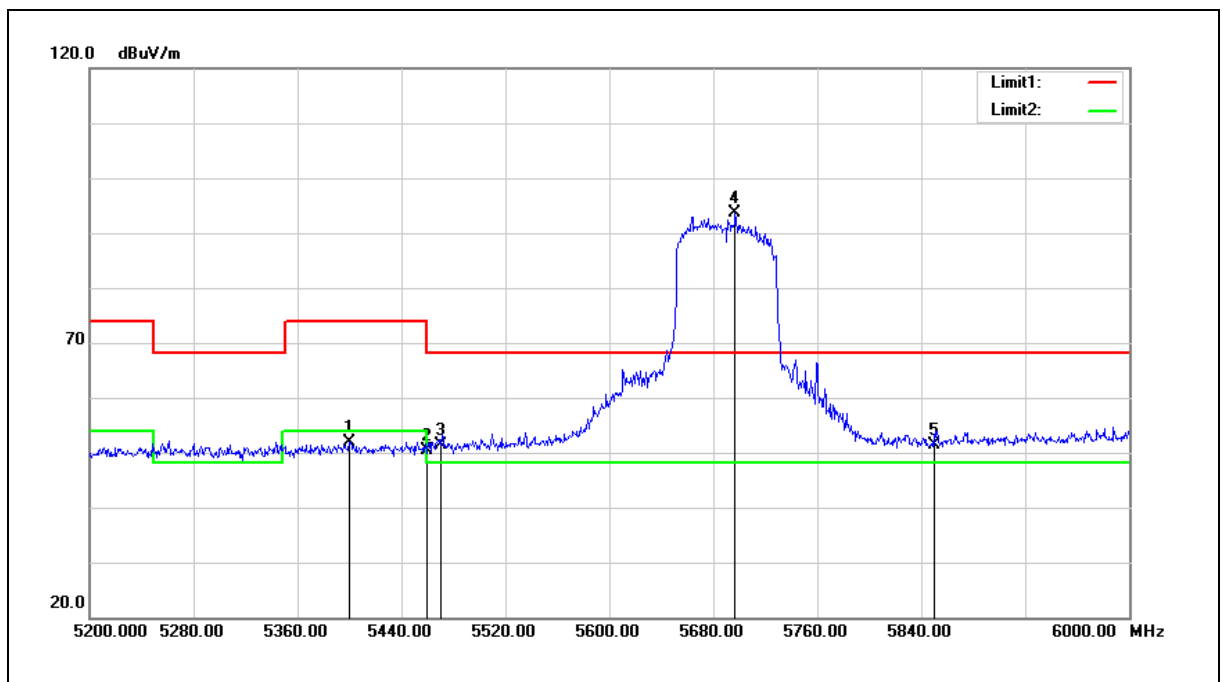
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5440.000	56.98	-4.24	52.74	74.00	-21.26	peak
2	5440.000	44.29	-4.24	40.05	54.00	-13.95	AVG
3	5460.000	55.48	-4.18	51.30	74.00	-22.70	peak
4	5470.000	55.66	-4.16	51.50	68.20	-16.70	peak
5	5634.400	89.45	-3.68	85.77	---	---	peak
6	5725.000	56.39	-3.41	52.98	68.20	-15.22	peak
7	5751.200	57.06	-3.33	53.73	68.20	-14.47	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:	5690MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Horizontal		



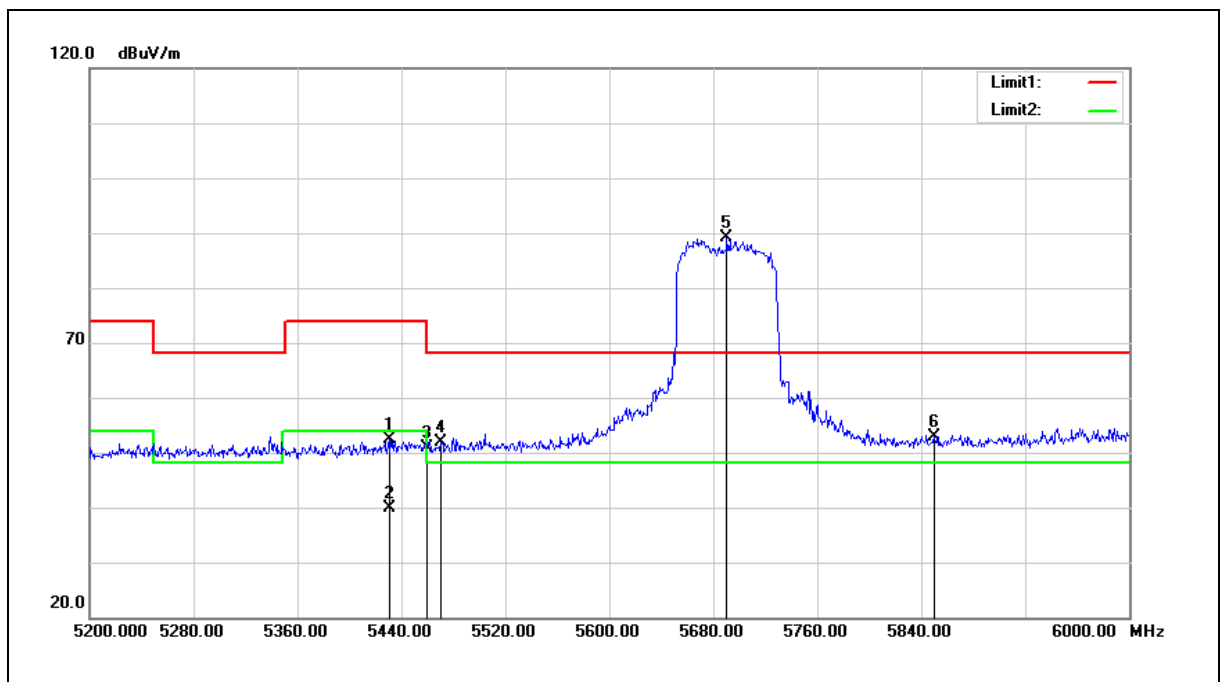
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5400.000	56.25	-4.33	51.92	74.00	-22.08	peak
2	5460.000	54.46	-4.18	50.28	74.00	-23.72	peak
3	5470.000	55.66	-4.16	51.50	68.20	-16.70	peak
4	5696.800	97.16	-3.50	93.66	---	---	peak
5	5850.000	54.44	-3.03	51.41	68.20	-16.79	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:	5690MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Vertical		



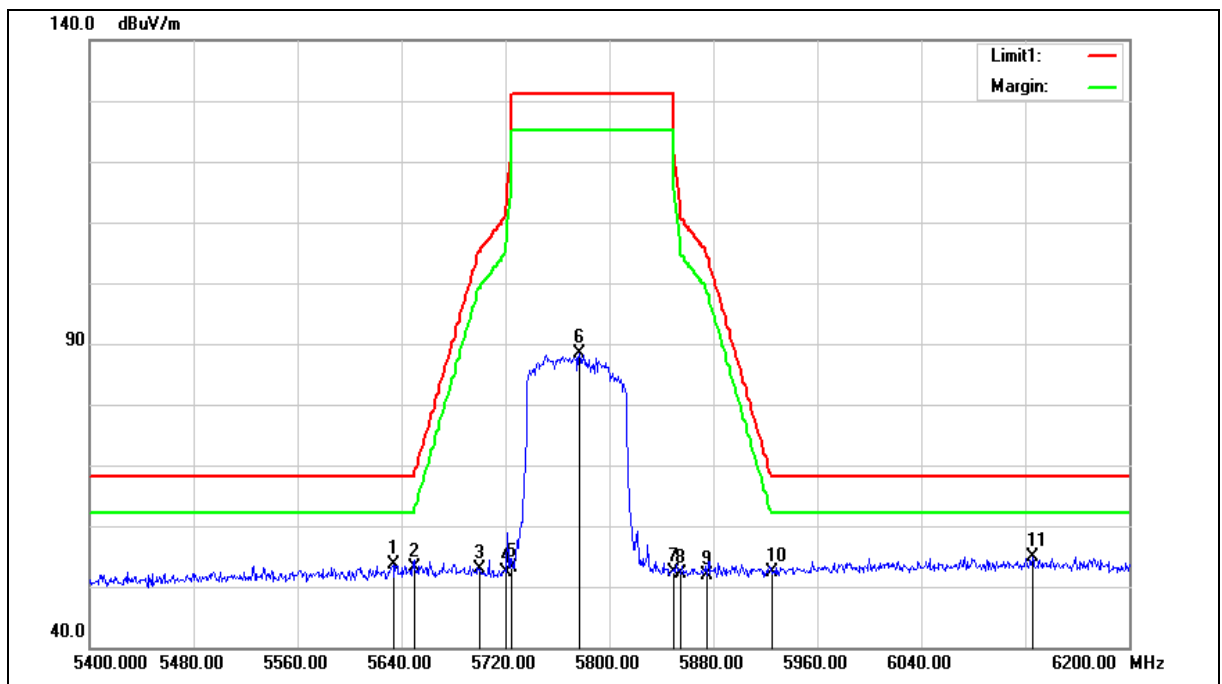
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5430.400	56.67	-4.25	52.42	74.00	-21.58	peak
2	5430.400	44.17	-4.25	39.92	54.00	-14.08	AVG
3	5460.000	55.16	-4.18	50.98	74.00	-23.02	peak
4	5470.000	55.92	-4.16	51.76	68.20	-16.44	peak
5	5690.400	92.67	-3.52	89.15	---	---	peak
6	5850.000	55.79	-3.03	52.76	68.20	-15.44	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5775MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5775MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Horizontal		

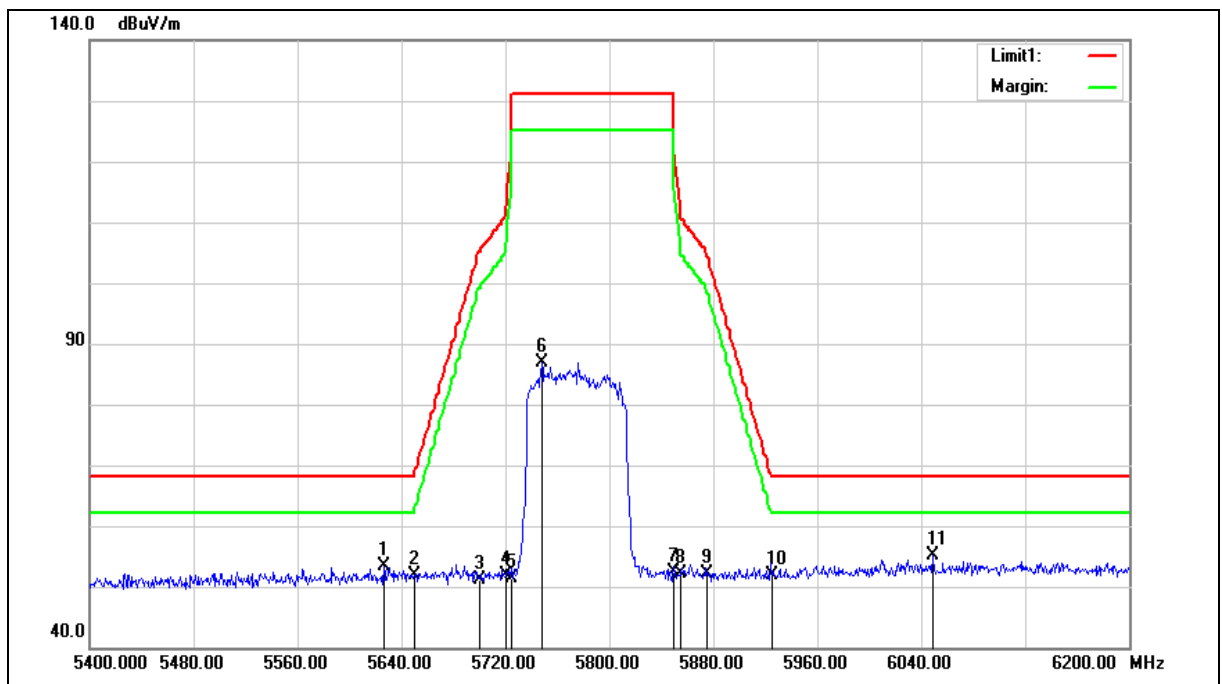
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5633.600	57.21	-3.69	53.52	68.20	-14.68	peak
2	5650.000	56.77	-3.63	53.14	68.20	-15.06	peak
3	5700.000	56.28	-3.48	52.80	105.20	-52.40	peak
4	5720.000	55.69	-3.42	52.27	110.80	-58.53	peak
5	5725.000	56.65	-3.41	53.24	122.20	-68.96	peak
6	5776.800	91.61	-3.25	88.36	---	---	peak
7	5850.000	55.49	-3.03	52.46	122.20	-69.74	peak
8	5855.000	55.20	-3.01	52.19	110.80	-58.61	peak
9	5875.000	54.81	-2.95	51.86	105.20	-53.34	peak
10	5925.000	55.06	-2.80	52.26	68.20	-15.94	peak
11	6125.600	57.45	-2.46	54.99	68.20	-13.21	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:	5775MHz	Temp.(°C)/Hum.(% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	5775MHz	Temp.(°C)/Hum. (% RH):	26(°C)/60 % RH
Mode:	Mode 11		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5626.400	57.16	-3.71	53.45	68.20	-14.75	peak
2	5650.000	55.48	-3.63	51.85	68.20	-16.35	peak
3	5700.000	54.73	-3.48	51.25	105.20	-53.95	peak
4	5720.000	55.30	-3.42	51.88	110.80	-58.92	peak
5	5725.000	54.89	-3.41	51.48	122.20	-70.72	peak
6	5748.000	90.16	-3.33	86.83	---	---	peak
7	5850.000	55.29	-3.03	52.26	122.20	-69.94	peak
8	5855.000	55.25	-3.01	52.24	110.80	-58.56	peak
9	5875.000	55.17	-2.95	52.22	105.20	-52.98	peak
10	5925.000	54.73	-2.80	51.93	68.20	-16.27	peak
11	6048.800	57.78	-2.53	55.25	68.20	-12.95	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 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。

5.25-5.35 GHz 與 5.470-5.725 GHz limit 計算式：

IEEE 802.11a

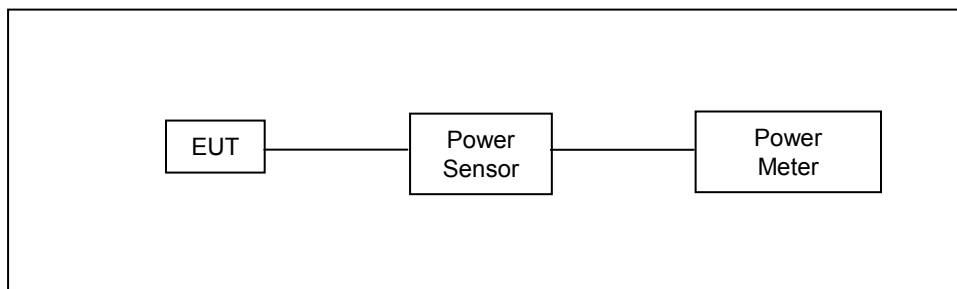
band U-NII-2A

* 250mW(24dBm) or $11+10*\text{Log}B$, $B=26\text{dB BW}=11+10*\text{Log}(18.87)= 23.76 \text{ dBm}$

band U-NII-2C

* 250mW(24dBm) or $11+10*\text{Log}B$, $B=26\text{dB BW}=11+10*\text{Log}(19.73)= 23.95 \text{ dBm}$

測試架構圖：



測試結果:

操作模式 : Mode 6 / Mode 7 / Mode 8 / Mode 9 / Mode 10 / Mode 11						
操作模式	Data Rate (Mbps)	頻道 CH	頻率 MHz	最大傳導輸出功率(Average)		
				ANT-0		Limit (dBm)
				dBm	W	
Mode 6	6	36	5180	12.45	0.018	≤ 24.00
		40	5200	12.12	0.016	≤ 24.00
		48	5240	11.21	0.013	≤ 24.00
		52	5260	10.63	0.012	≤ 23.76
		56	5280	10.75	0.012	≤ 23.76
		64	5320	10.73	0.012	≤ 23.76
		100	5500	10.22	0.011	≤ 23.95
		112	5560	10.85	0.012	≤ 23.95
		140	5700	13.24	0.021	≤ 23.95
		149	5745	9.84	0.010	≤ 30.00
		157	5785	9.39	0.009	≤ 30.00
		165	5825	8.69	0.007	≤ 30.00
Mode 7	6.5	36	5180	11.89	0.015	≤ 24.00
		40	5200	11.54	0.014	≤ 24.00
		48	5240	10.69	0.012	≤ 24.00
		52	5260	10.08	0.010	≤ 24.00
		56	5280	10.33	0.011	≤ 24.00
		64	5320	9.77	0.009	≤ 24.00
		100	5500	10.50	0.011	≤ 24.00
		112	5560	10.64	0.012	≤ 24.00
		140	5700	13.04	0.020	≤ 24.00
		149	5745	9.11	0.008	≤ 30.00
		157	5785	8.39	0.007	≤ 30.00
		165	5825	8.33	0.007	≤ 30.00
Mode 8	13.5	38	5190.0	11.72	0.015	≤ 24.00
		46	5230.0	10.74	0.012	≤ 24.00
		54	5270.0	9.86	0.010	≤ 24.00
		62	5310.0	9.53	0.009	≤ 24.00
		102	5510.0	10.18	0.010	≤ 24.00
		110	5550.0	10.87	0.012	≤ 24.00
		134	5670.0	12.20	0.017	≤ 24.00
		151	5755.0	9.31	0.009	≤ 30.00
		159	5795.0	8.32	0.007	≤ 30.00

操作模式 : Mode 6 / Mode 7 / Mode 8 / Mode 9 / Mode 10 / Mode 11						
操作模式	Data Rate (Mbps)	頻道 CH	頻率 MHz	最大傳導輸出功率(Average)		
				ANT-0		Limit (dBm)
				dBm	W	
Mode 9	6.5	36	5180.0	12.02	0.016	≤ 24.00
		40	5200.0	11.59	0.014	≤ 24.00
		48	5240.0	10.73	0.012	≤ 24.00
		52	5260.0	10.11	0.010	≤ 24.00
		56	5280.0	10.39	0.011	≤ 24.00
		64	5320.0	9.83	0.010	≤ 24.00
		100	5500.0	10.58	0.011	≤ 24.00
		112	5560.0	10.75	0.012	≤ 24.00
		140	5700.0	13.09	0.020	≤ 24.00
		149	5745.0	9.54	0.009	≤ 30.00
		157	5785.0	9.06	0.008	≤ 30.00
		165	5825.0	8.44	0.007	≤ 30.00
Mode 10	13.5	38	5190.0	11.77	0.015	≤ 24.00
		46	5230.0	10.76	0.012	≤ 24.00
		54	5270.0	9.93	0.010	≤ 24.00
		62	5310.0	9.73	0.009	≤ 24.00
		102	5510.0	10.24	0.011	≤ 24.00
		110	5550.0	11.05	0.013	≤ 24.00
		134	5670.0	12.26	0.017	≤ 24.00
		151	5755.0	9.40	0.009	≤ 30.00
		159	5795.0	8.40	0.007	≤ 30.00
Mode 11	58.6	42	5210.0	10.64	0.012	≤ 24.00
		58	5290.0	8.93	0.008	≤ 24.00
		106	5530.0	10.14	0.010	≤ 24.00
		122	5610.0	11.10	0.013	≤ 24.00
		155	5775.0	9.10	0.008	≤ 30.00

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:

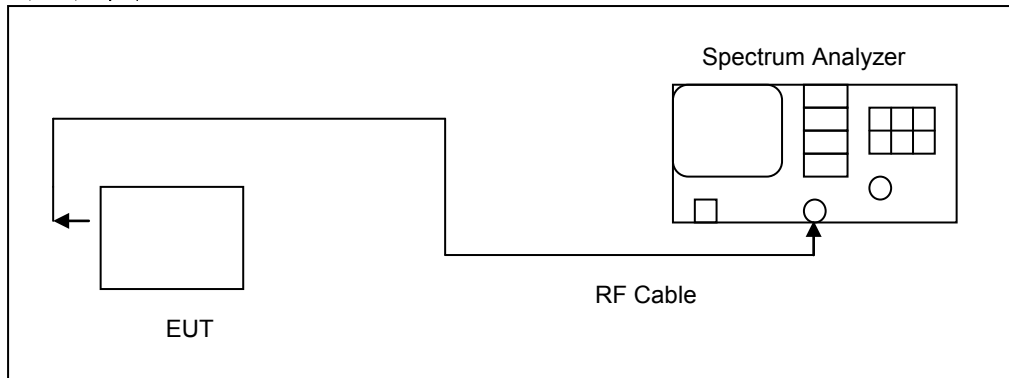
(1) 應將量測儀器直接連接待測物，以傳導方式執行。

(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。

測試架構圖：



測試結果:

操作模式 : Mode 6 / Mode 9 / Mode 10 / Mode 11

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 6	36	5180.0	1.165	0.142	1.307	11.00
	40	5200.0	0.822	0.142	0.964	11.00
	48	5240.0	-0.174	0.142	-0.032	11.00
	52	5260.0	-0.914	0.142	-0.772	11.00
	56	5280.0	-0.419	0.142	-0.277	11.00
	64	5320.0	-0.652	0.142	-0.510	11.00
	100	5500.0	0.080	0.142	0.222	11.00
	112	5560.0	0.309	0.142	0.451	11.00
	140	5700.0	2.259	0.142	2.401	11.00
Mode 9	36	5180.0	0.532	0.131	0.663	11.00
	40	5200.0	0.479	0.131	0.610	11.00
	48	5240.0	-0.462	0.131	-0.331	11.00
	52	5260.0	-1.090	0.131	-0.959	11.00
	56	5280.0	-0.972	0.131	-0.841	11.00
	64	5320.0	-1.224	0.131	-1.093	11.00
	100	5500.0	-0.337	0.131	-0.206	11.00
	112	5560.0	-0.296	0.131	-0.165	11.00
	140	5700.0	1.388	0.131	1.519	11.00
Mode 10	38	5190.0	-2.761	0.209	-2.552	11.00
	46	5230.0	-3.438	0.209	-3.229	11.00
	54	5270.0	-4.676	0.209	-4.467	11.00
	62	5310.0	-4.718	0.209	-4.509	11.00
	102	5510.0	-3.857	0.209	-3.648	11.00
	110	5550.0	-3.200	0.209	-2.991	11.00
	134	5670.0	-2.483	0.209	-2.274	11.00
Mode 11	42	5210.0	-6.690	0.624	-6.066	11.00
	58	5290.0	-8.819	0.624	-8.195	11.00
	106	5530.0	-7.370	0.624	-6.746	11.00
	122	5610.0	-6.576	0.624	-5.952	11.00

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.

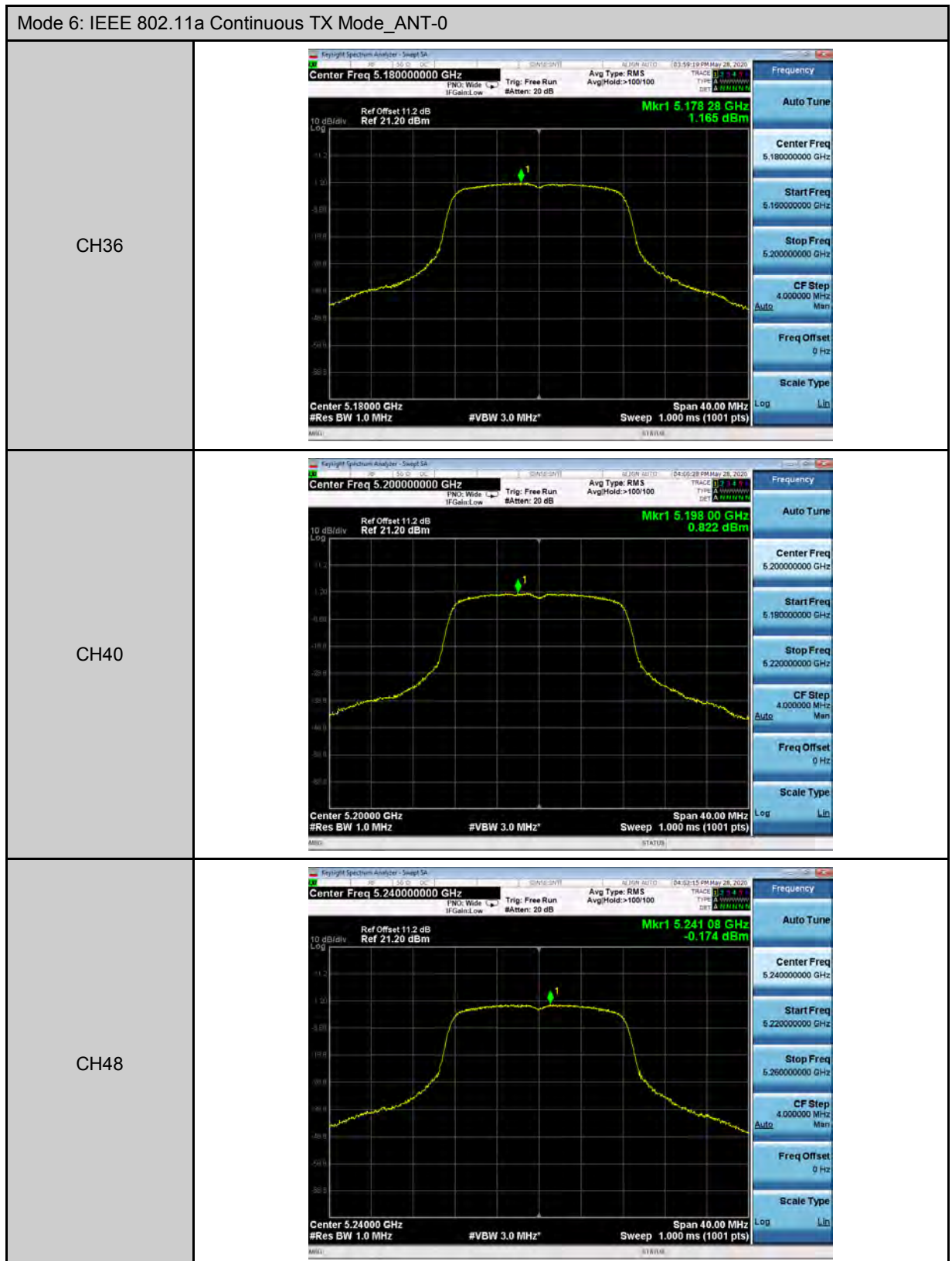
Conversion ration = 10*Log(500 k/100 k)

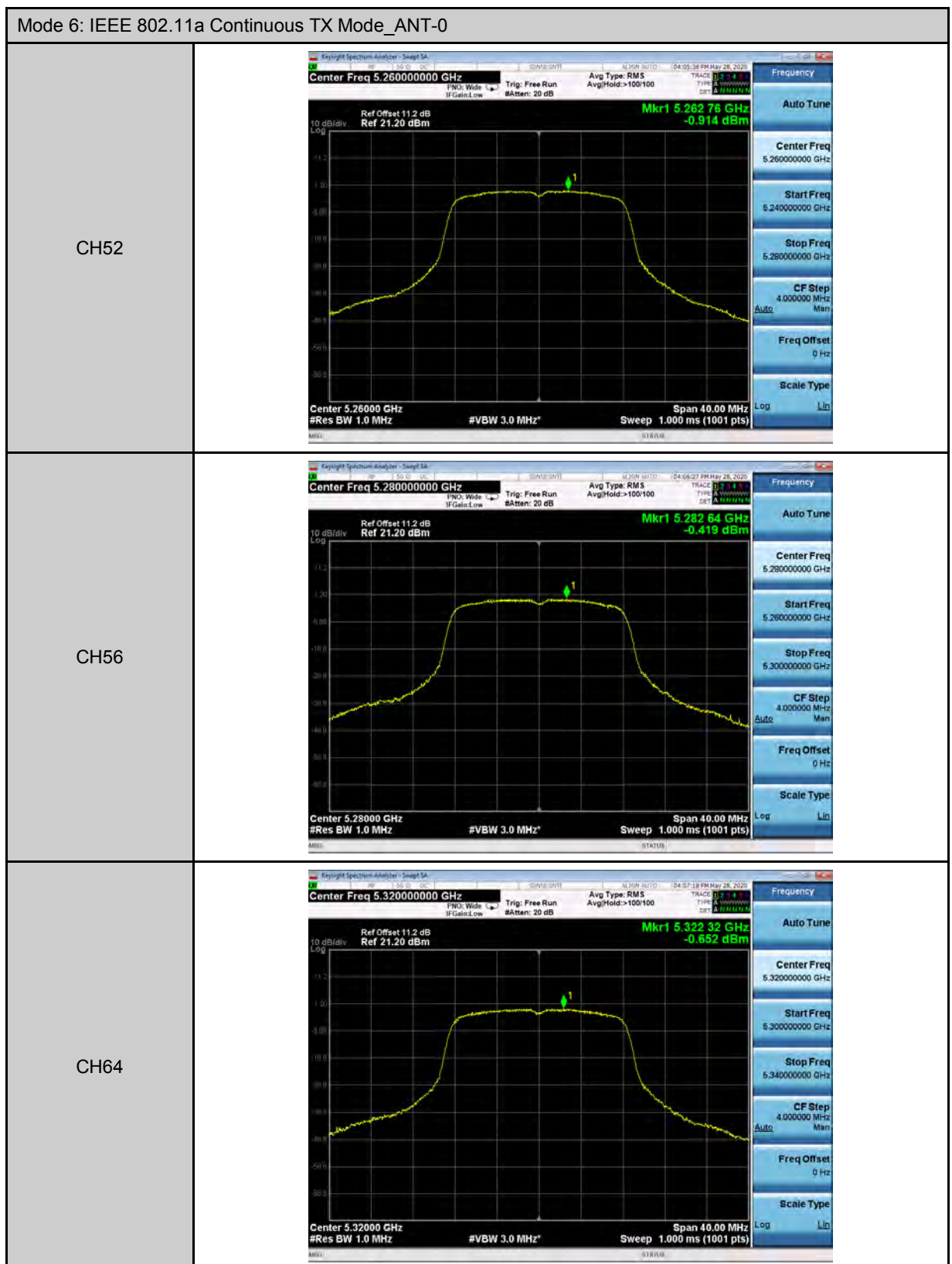
操作模式	: Mode 6 / Mode 9 / Mode 10 / Mode 11
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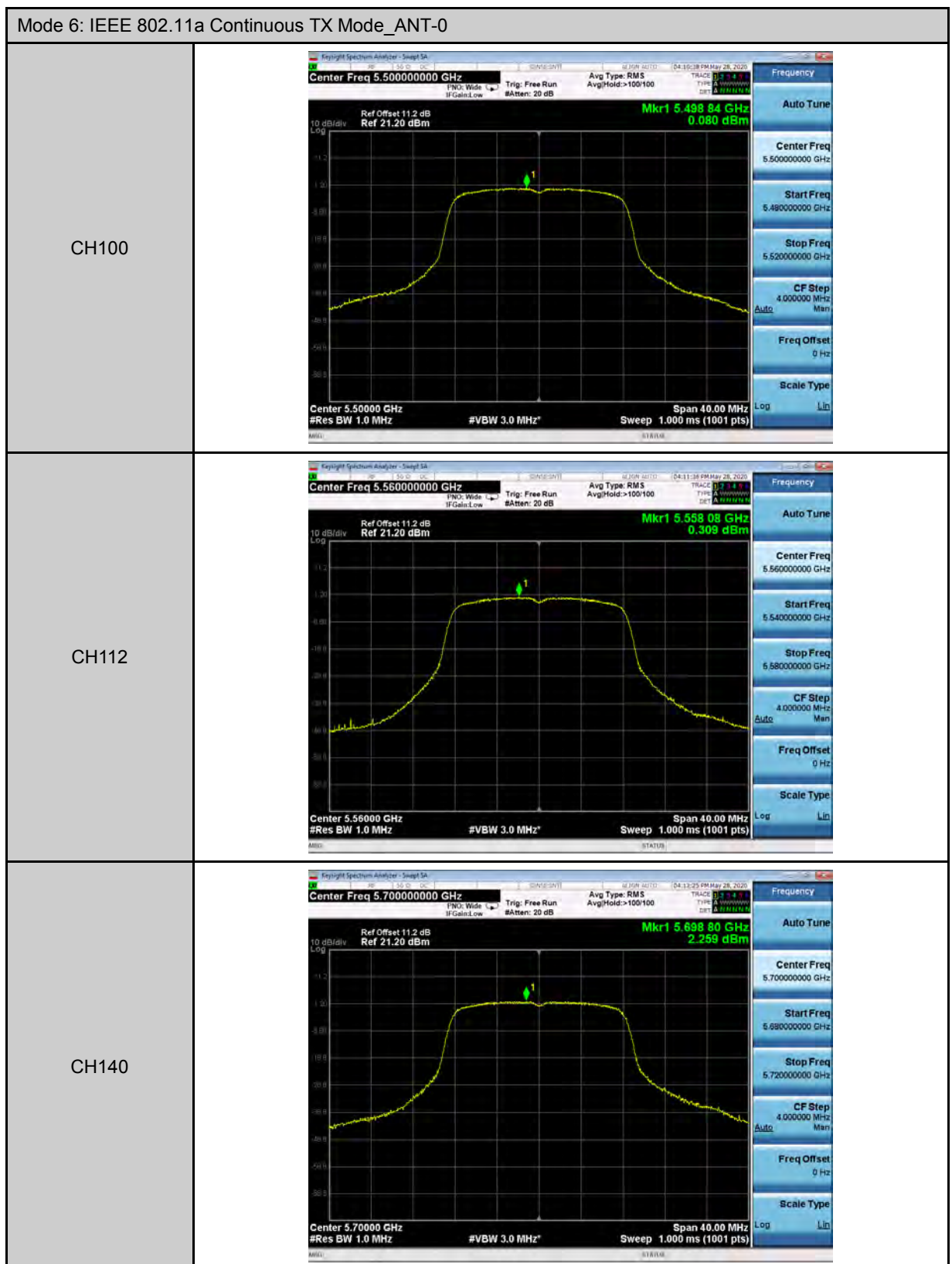
ANT-0						
操作模式	頻道 (CH)	頻率 (MHz)	量測值 (dBm/100 kHz)	Duty Factor (dB)	轉換值 (dBm/500 kHz)	限制值 (dBm/500 kHz)
Mode 6	149	5745.0	-10.422	0.142	-3.290	30.00
	157	5785.0	-11.168	0.142	-4.036	30.00
	165	5825.0	-11.066	0.142	-3.934	30.00
Mode 9	149	5745.0	-10.298	0.131	-3.177	30.00
	157	5785.0	-11.592	0.131	-4.471	30.00
	165	5825.0	-11.791	0.131	-4.670	30.00
Mode 10	151	5755.0	-13.880	0.209	-6.682	30.00
	159	5795.0	-14.317	0.209	-7.119	30.00
Mode 11	155	5775.0	-16.934	0.624	-9.320	30.00

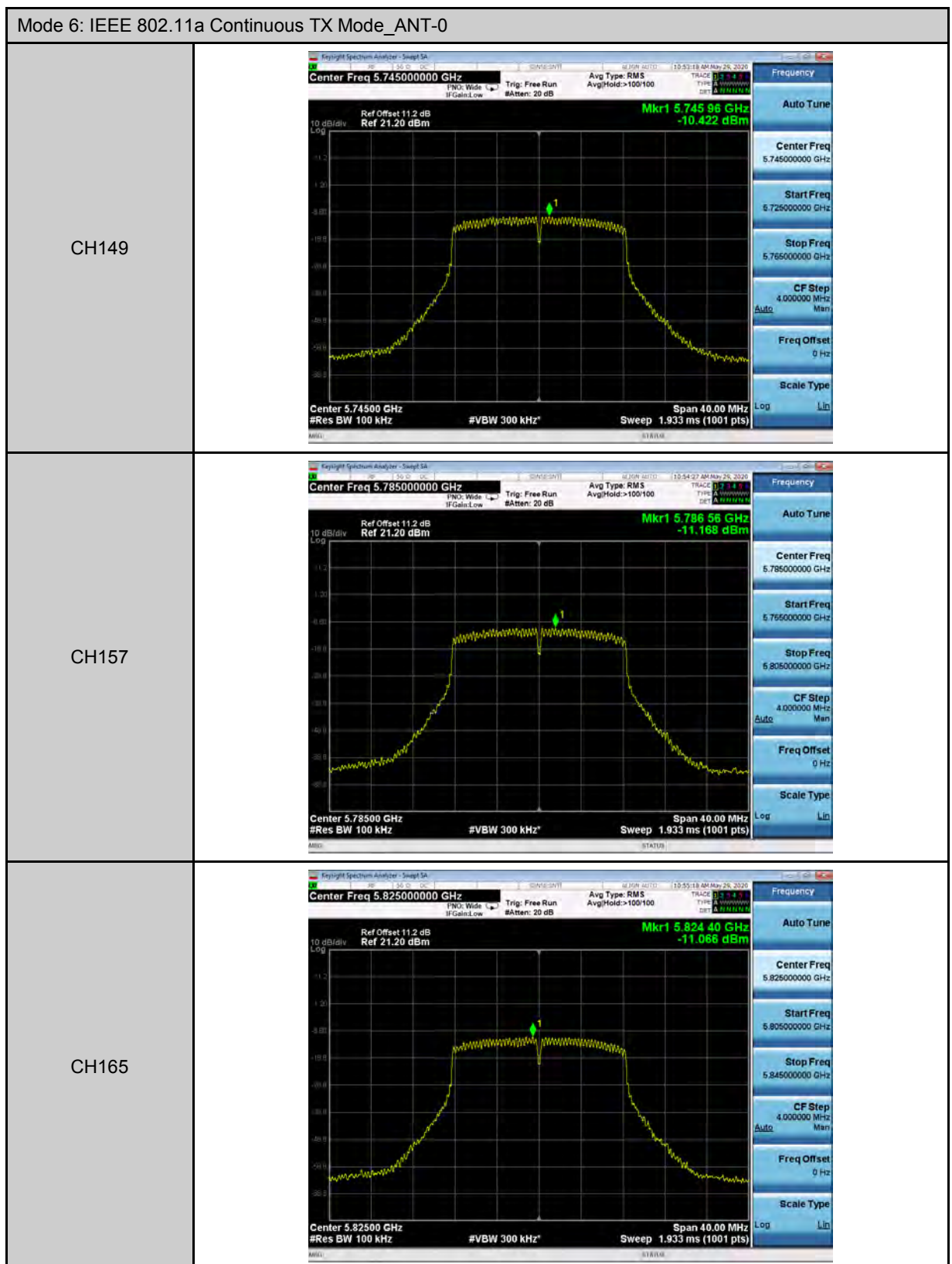
Note: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + duty factory.

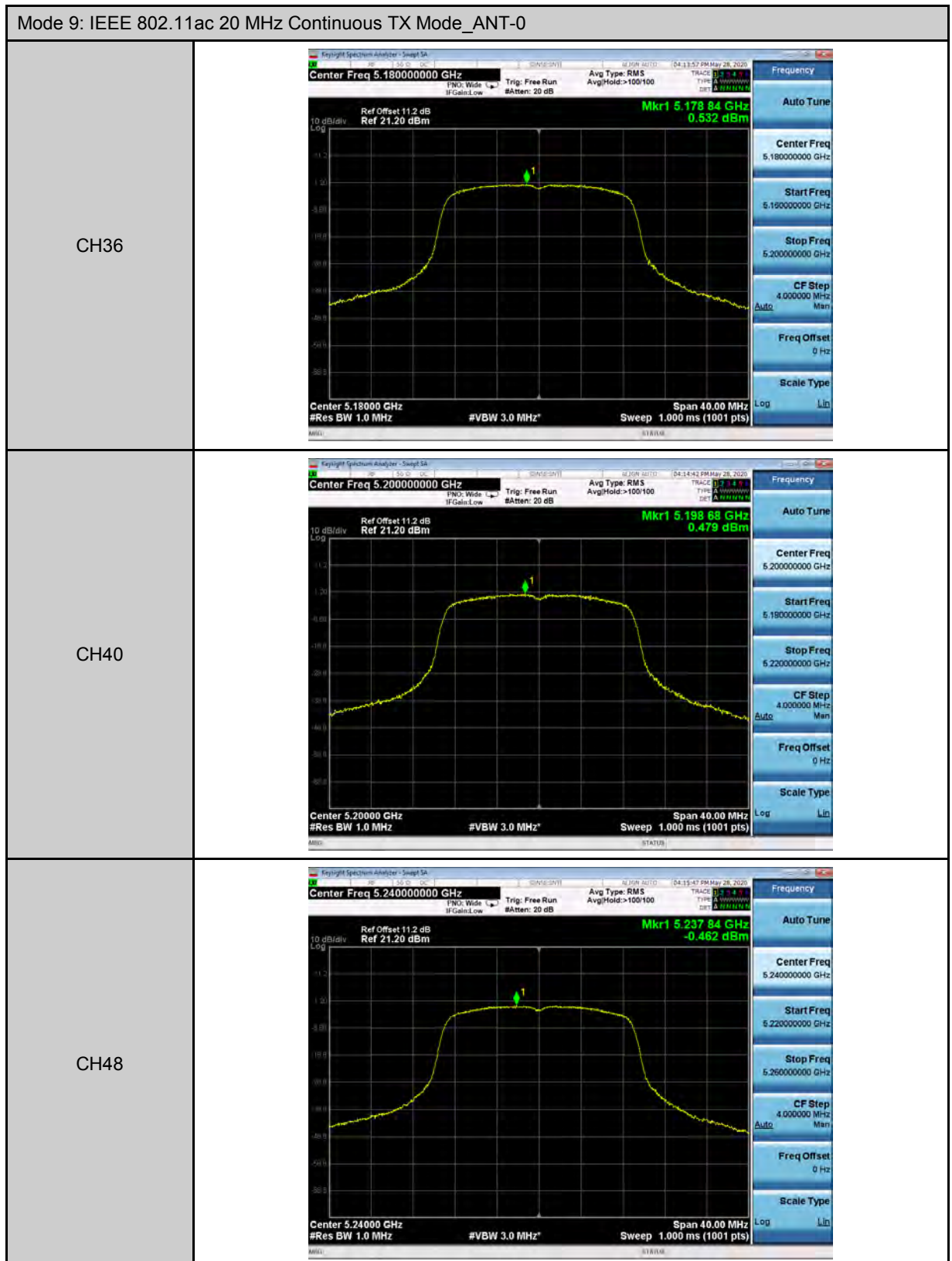
Conversion ration = 10*Log(500 k/100 k)

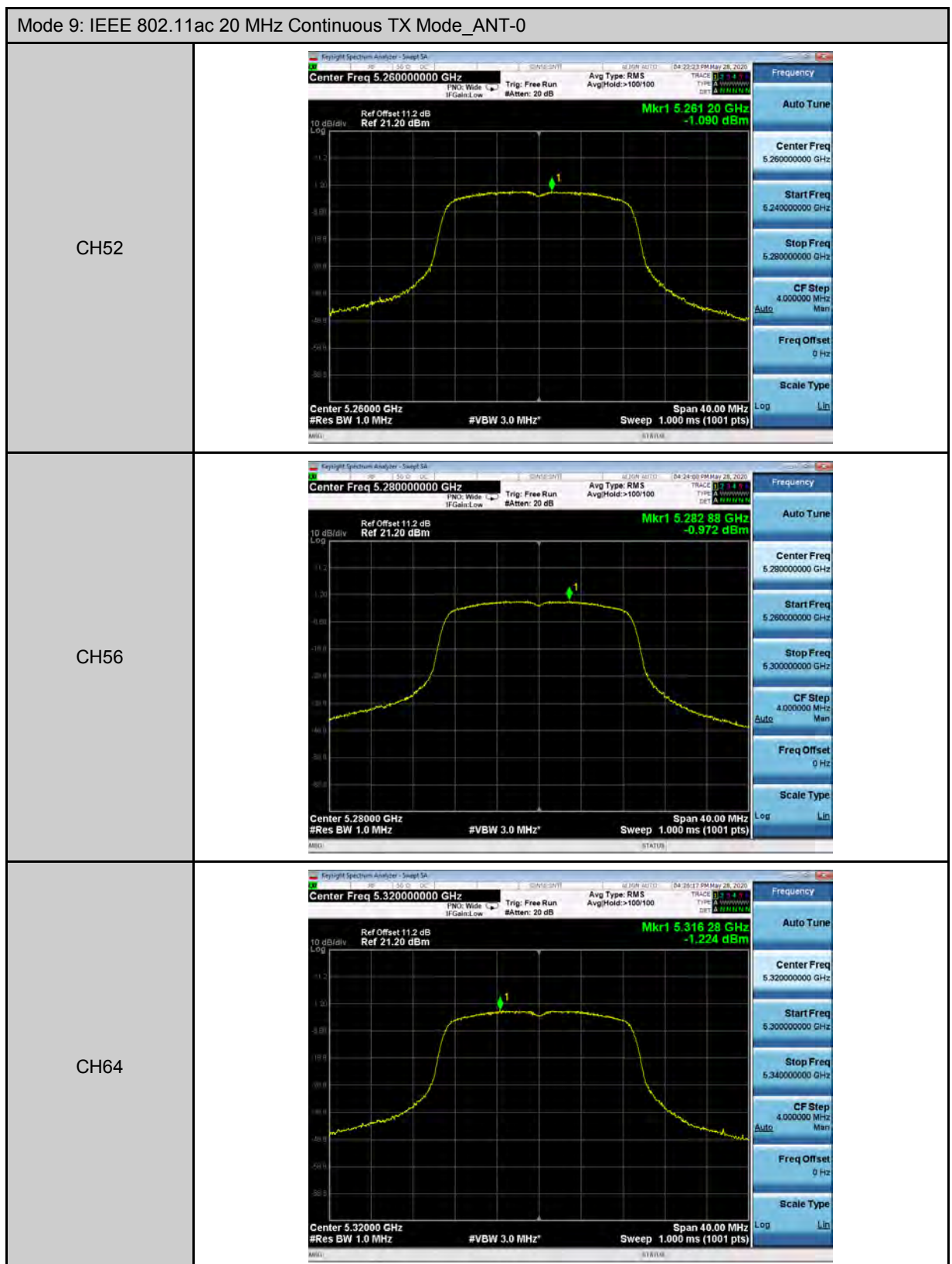


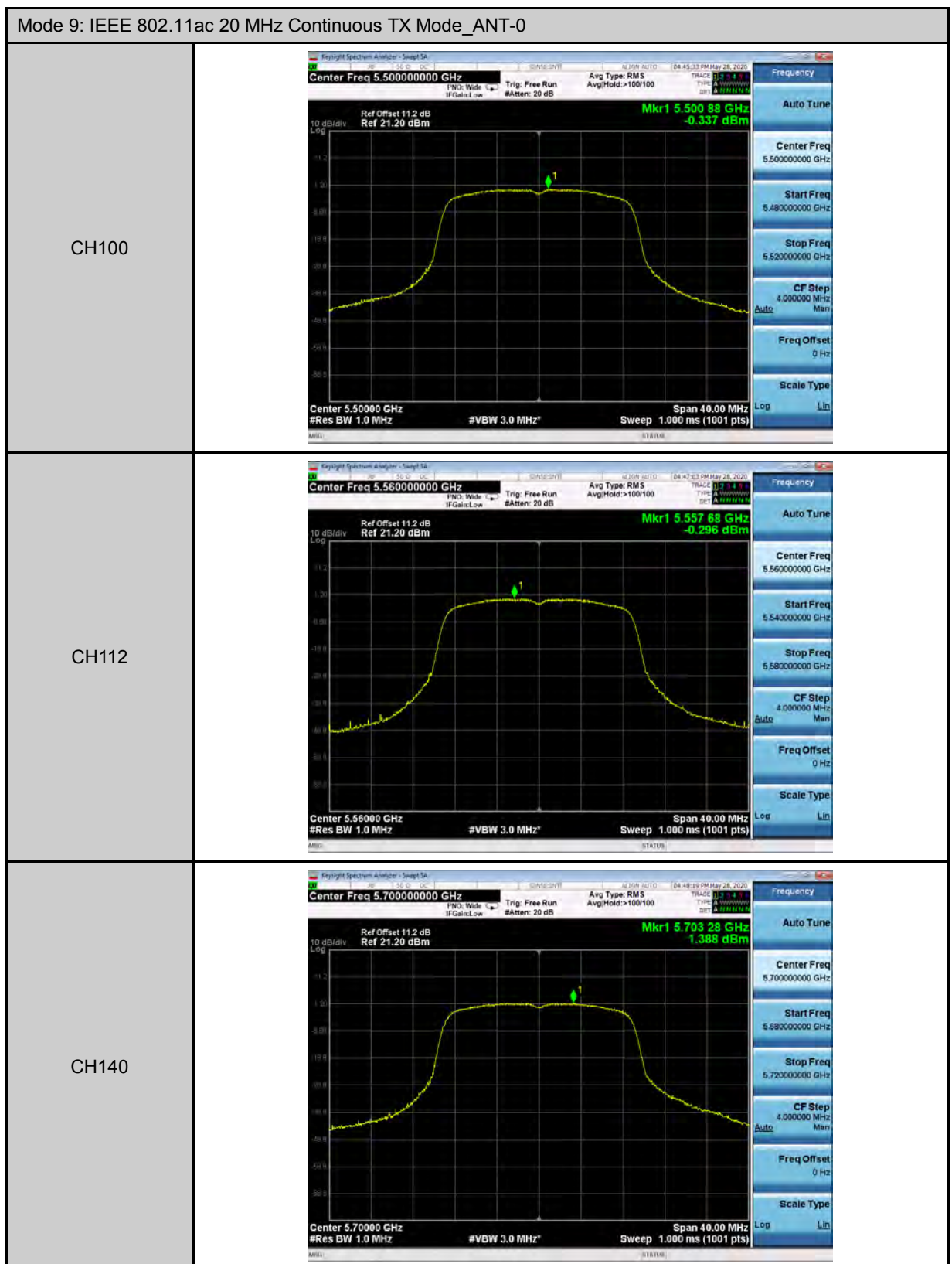


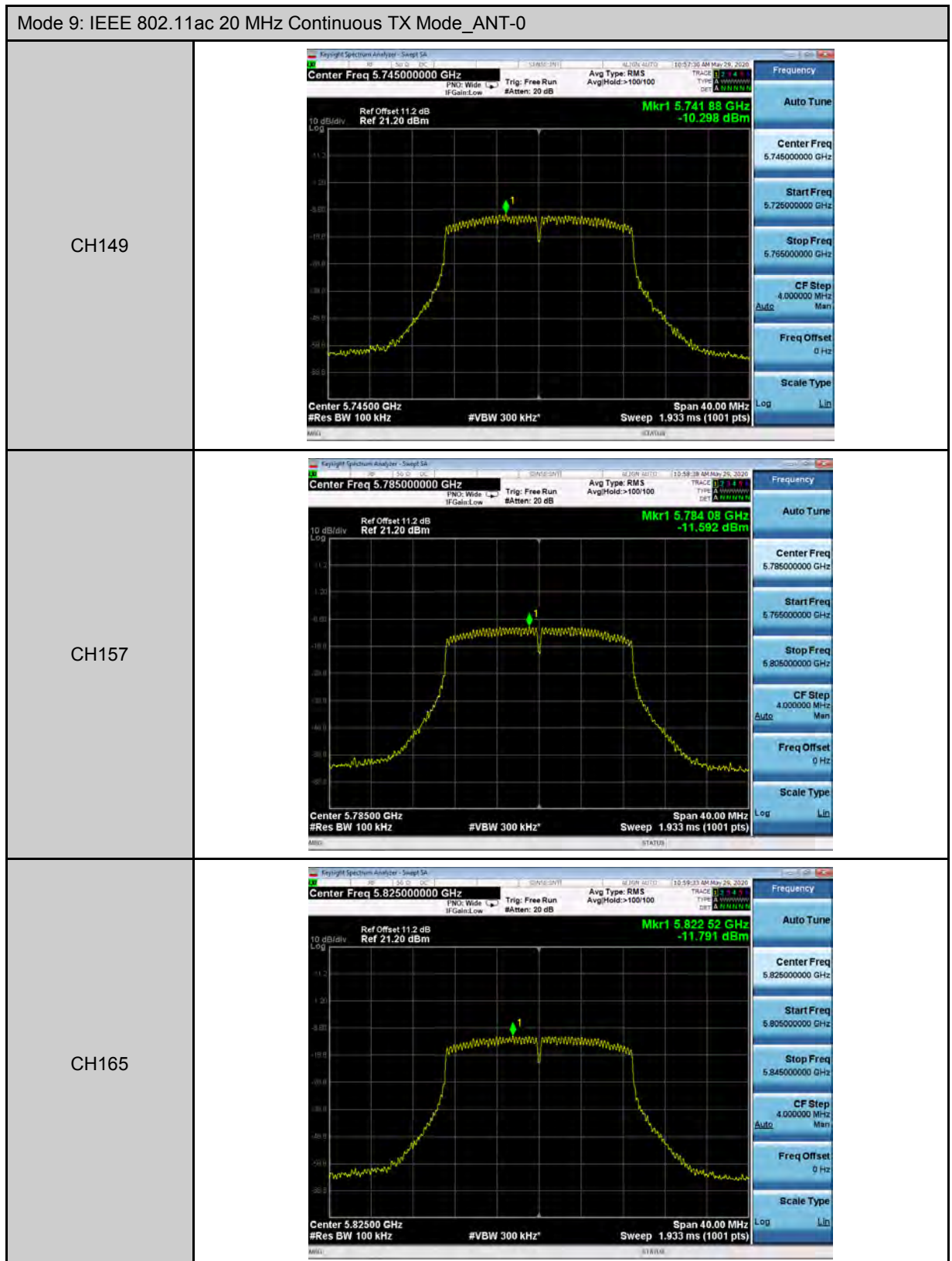


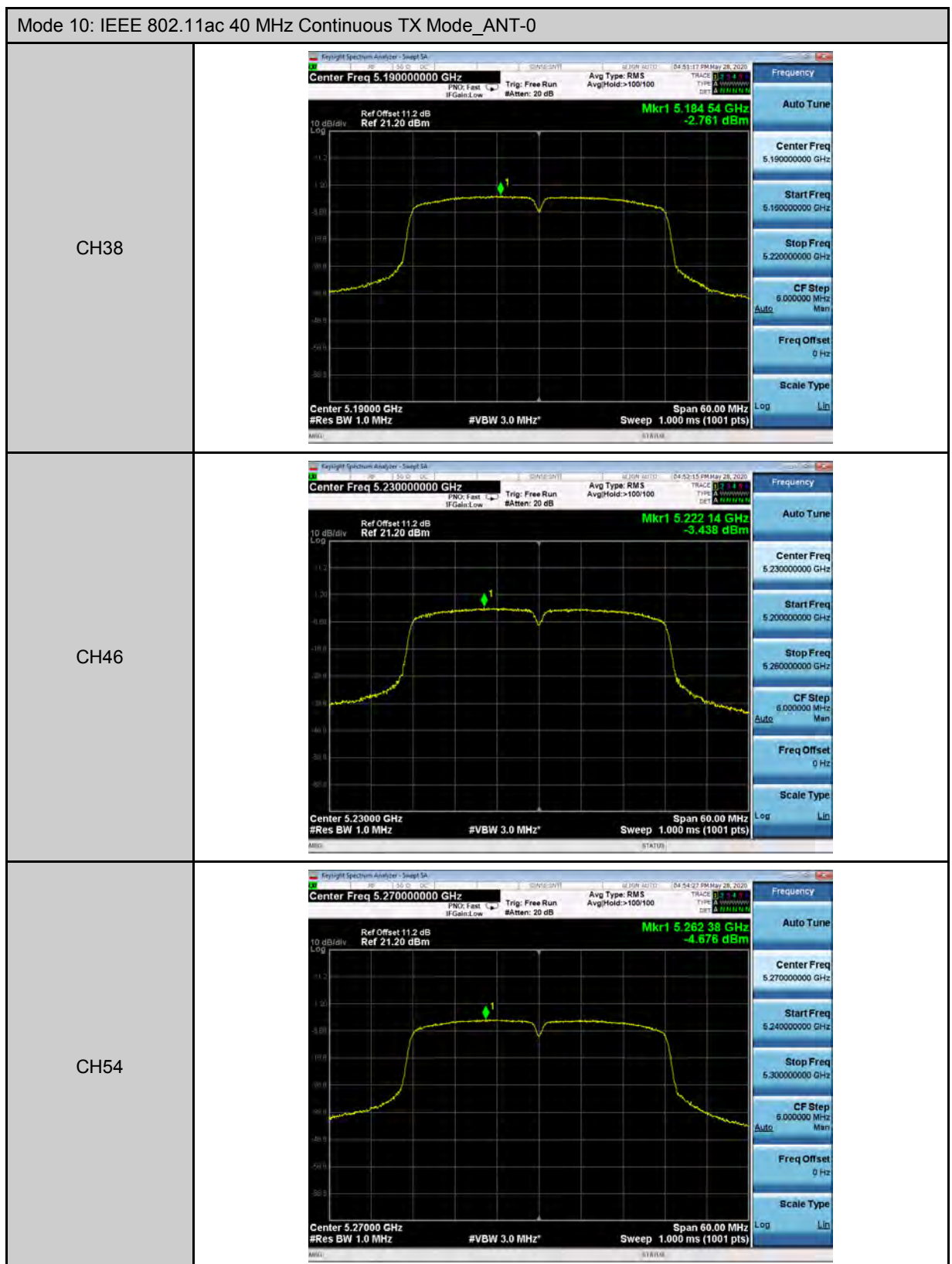


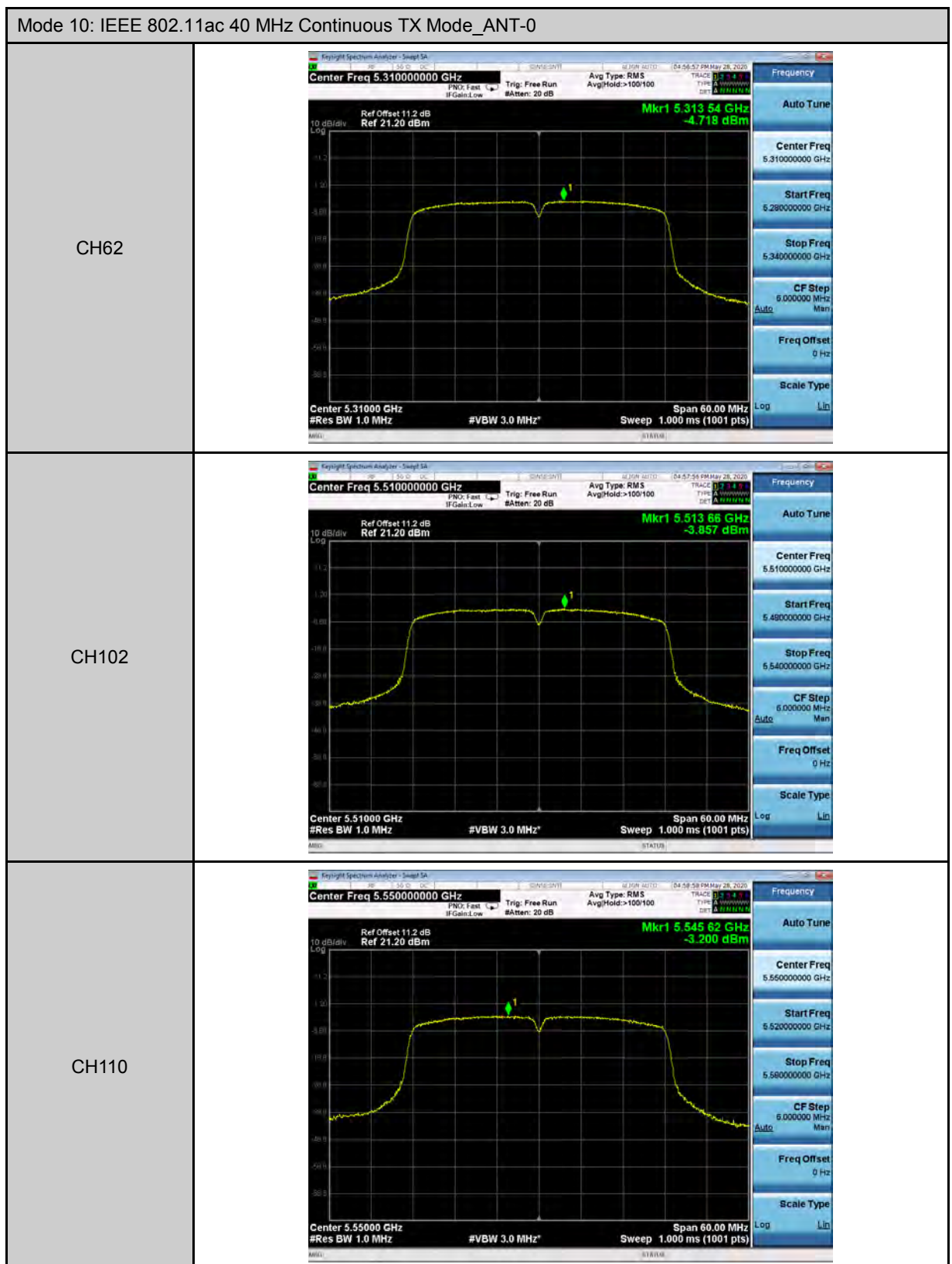


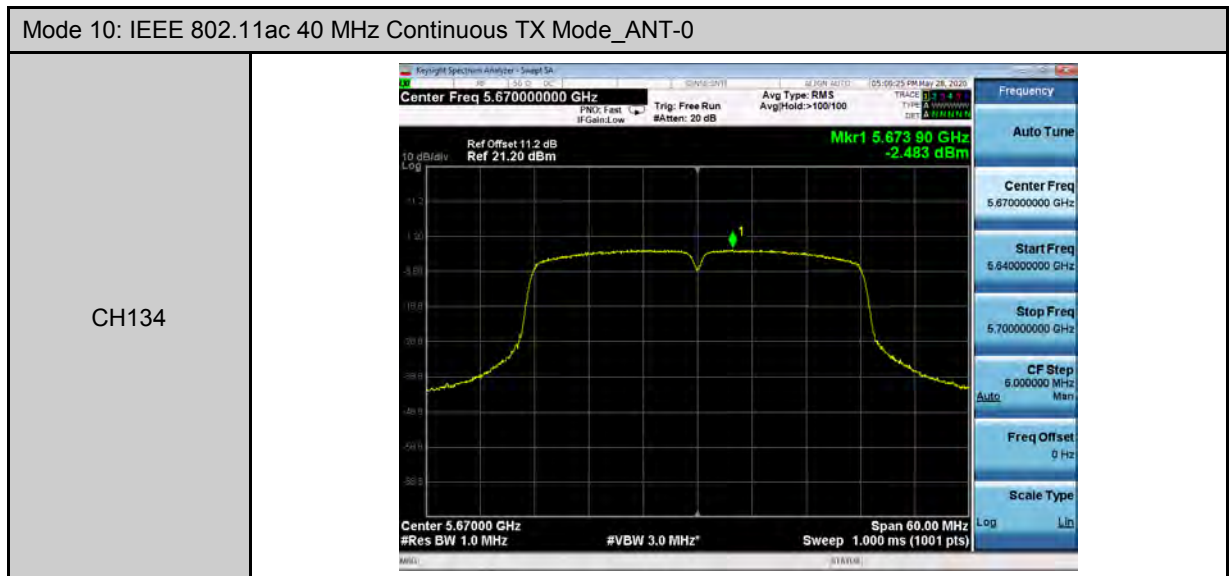


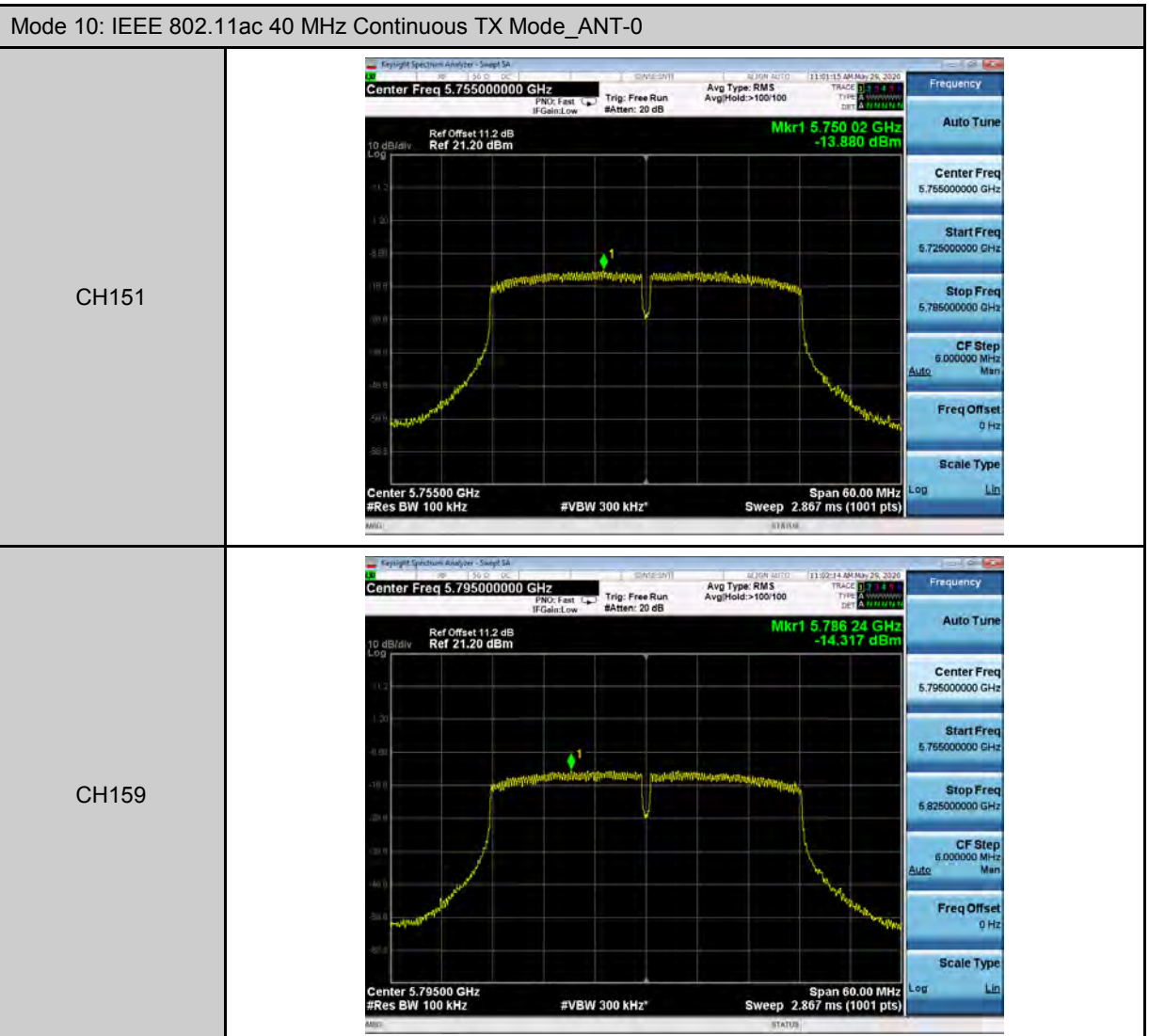


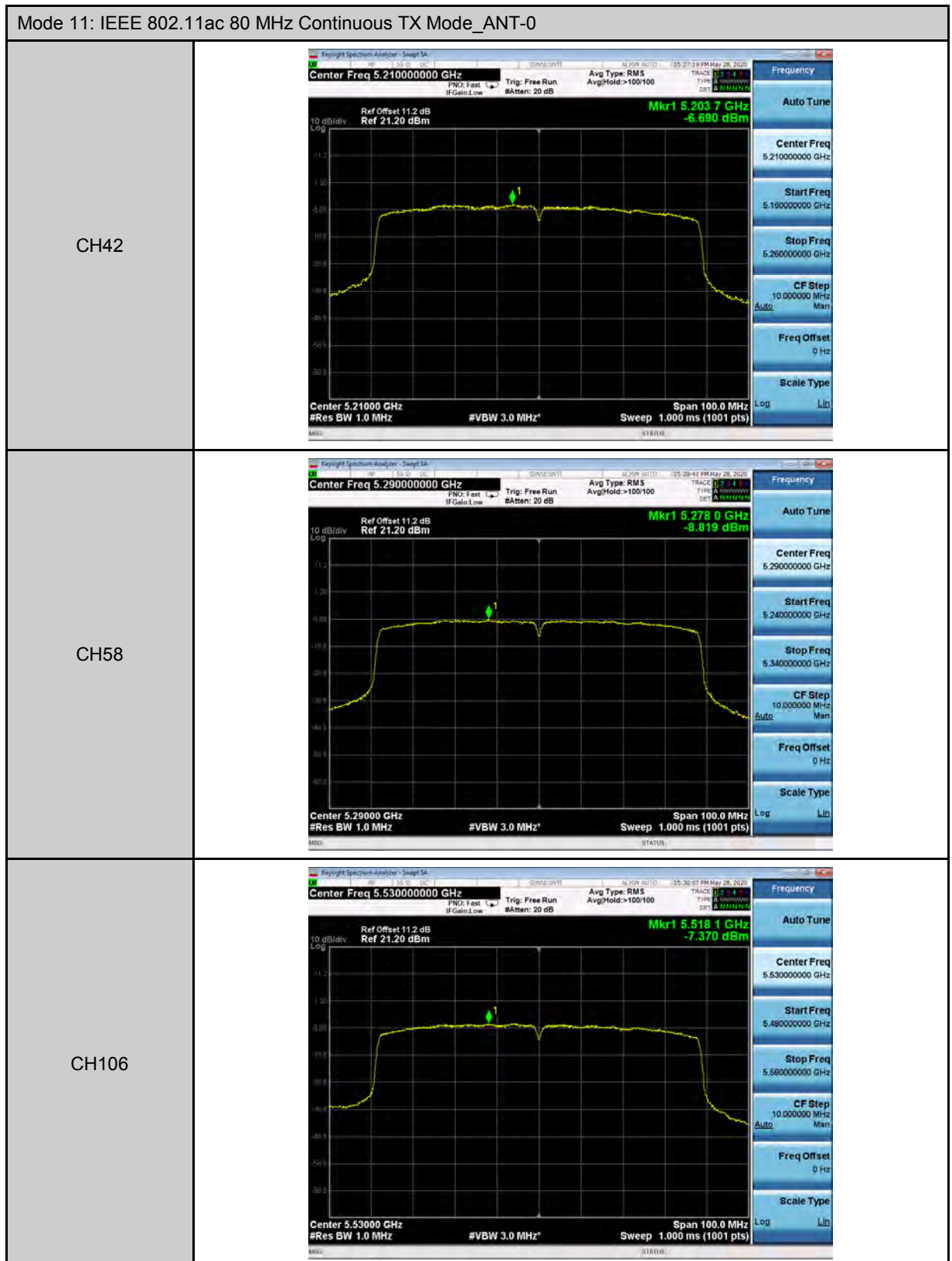


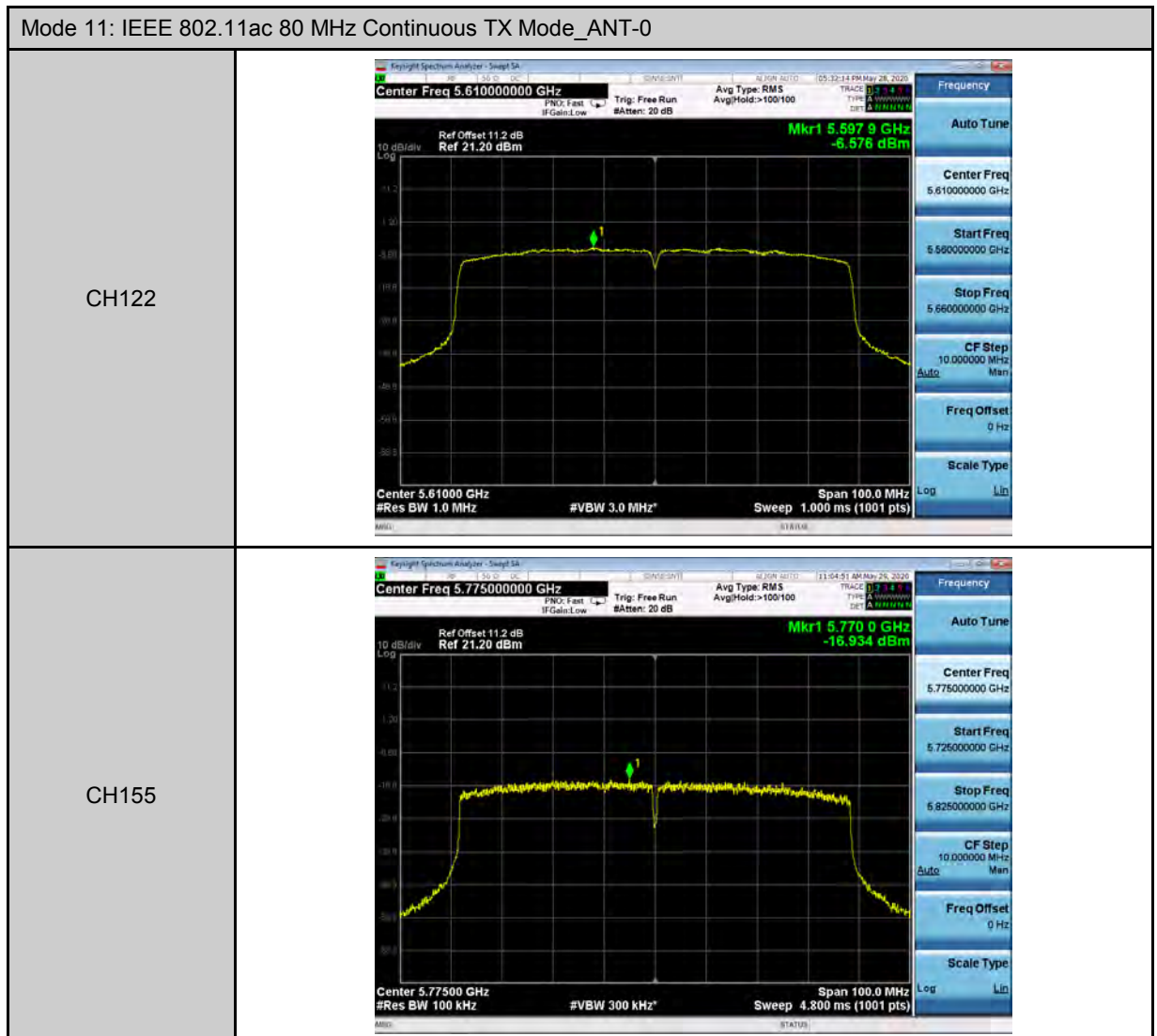










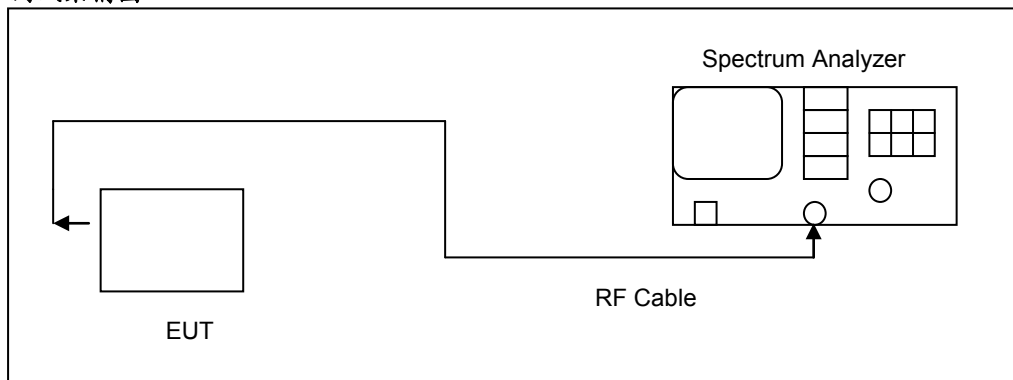


4.3.4 26 dB頻寬之要求

合格標準:

N/A

測試架構圖：



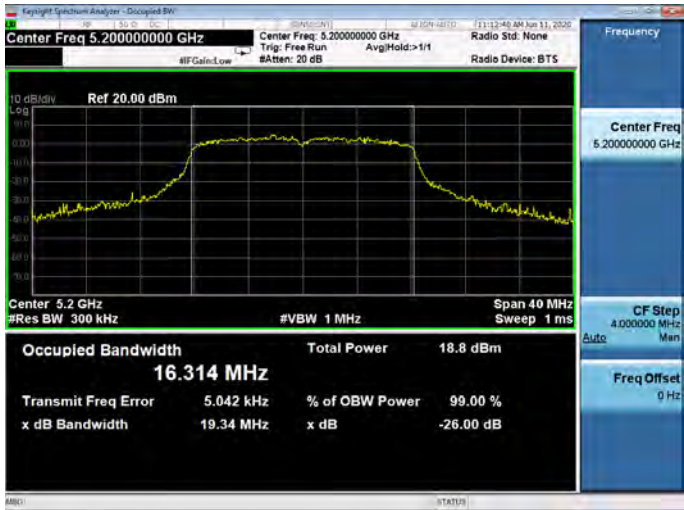
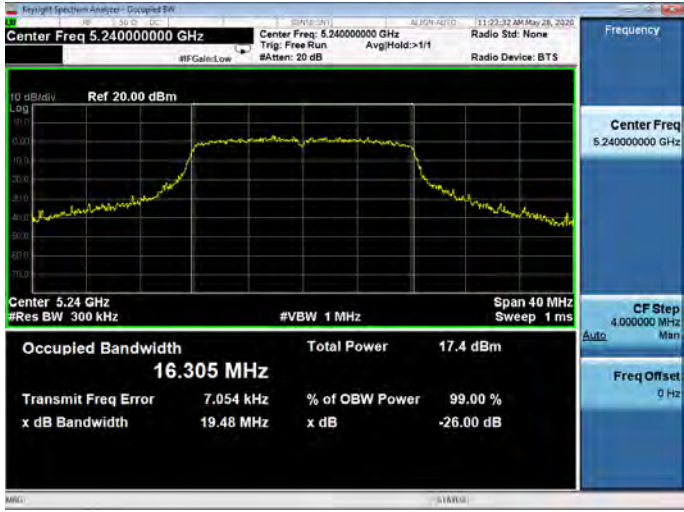
測試結果:

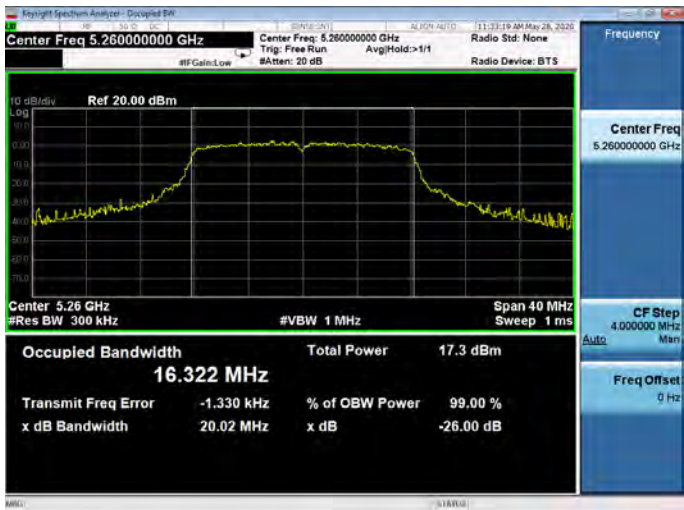
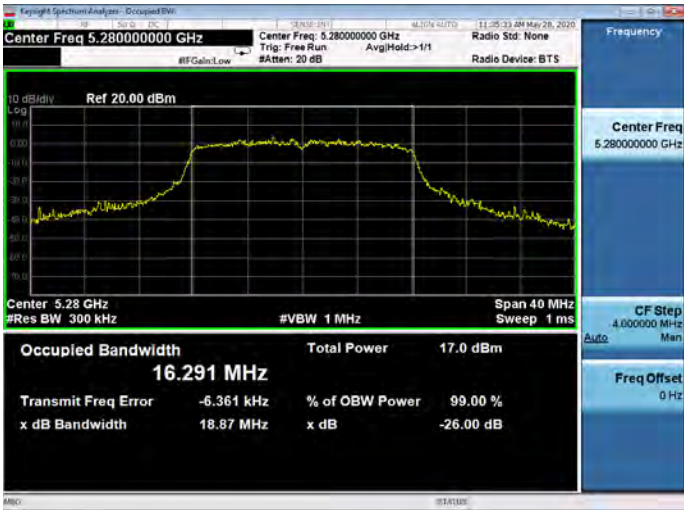
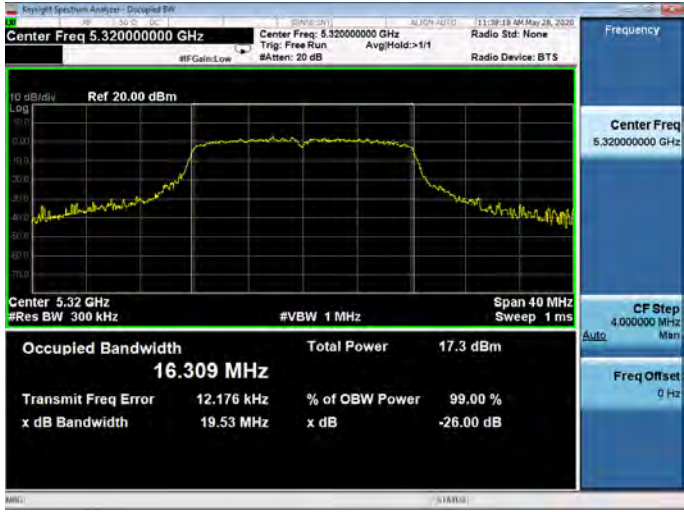
操作模式	: Mode 6 / Mode 7 / Mode 8 / Mode 9 / Mode 10 / Mode 11
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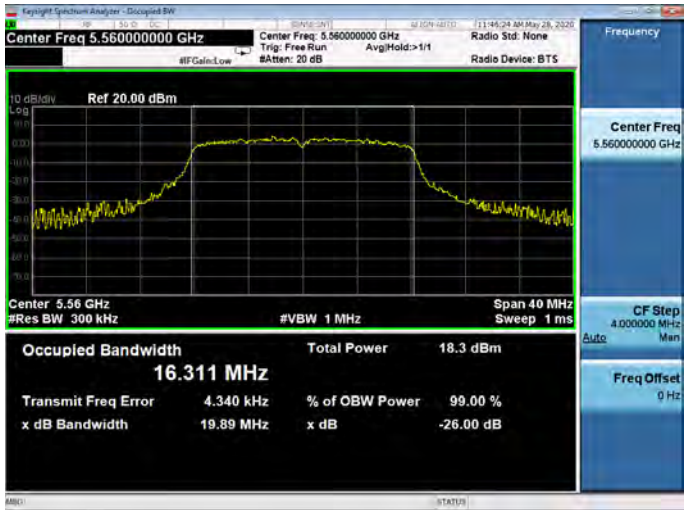
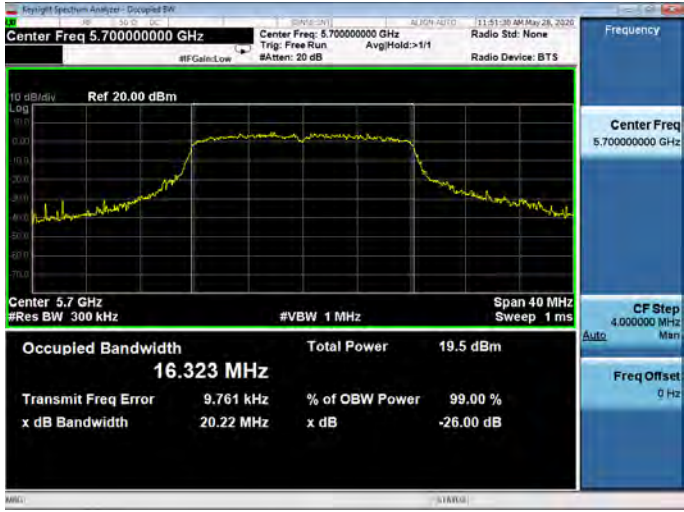
操作模式	頻道 (CH)	頻率 (MHz)	26 dB 頻寬量測值 (MHz)
			ANT-0
Mode 6	36	5180.0	19.720
	40	5200.0	19.340
	48	5240.0	19.480
	52	5260.0	20.020
	56	5280.0	18.870
	64	5320.0	19.530
	100	5500.0	19.730
	112	5560.0	19.890
	140	5700.0	20.220
Mode 7	52	5260.0	20.880
	56	5280.0	20.550
	64	5320.0	20.720
	100	5500.0	20.660
	112	5560.0	20.670
	140	5700.0	20.900
Mode 8	54	5270.0	45.670
	62	5310.0	42.330
	102	5510.0	47.770
	110	5550.0	47.240
	134	5670.0	49.620
Mode 9	36	5180.0	20.700
	40	5200.0	20.720
	48	5240.0	20.830
	52	5260.0	20.250
	56	5280.0	20.480
	64	5320.0	21.220
	100	5500.0	20.540
	112	5560.0	20.690
	140	5700.0	20.880

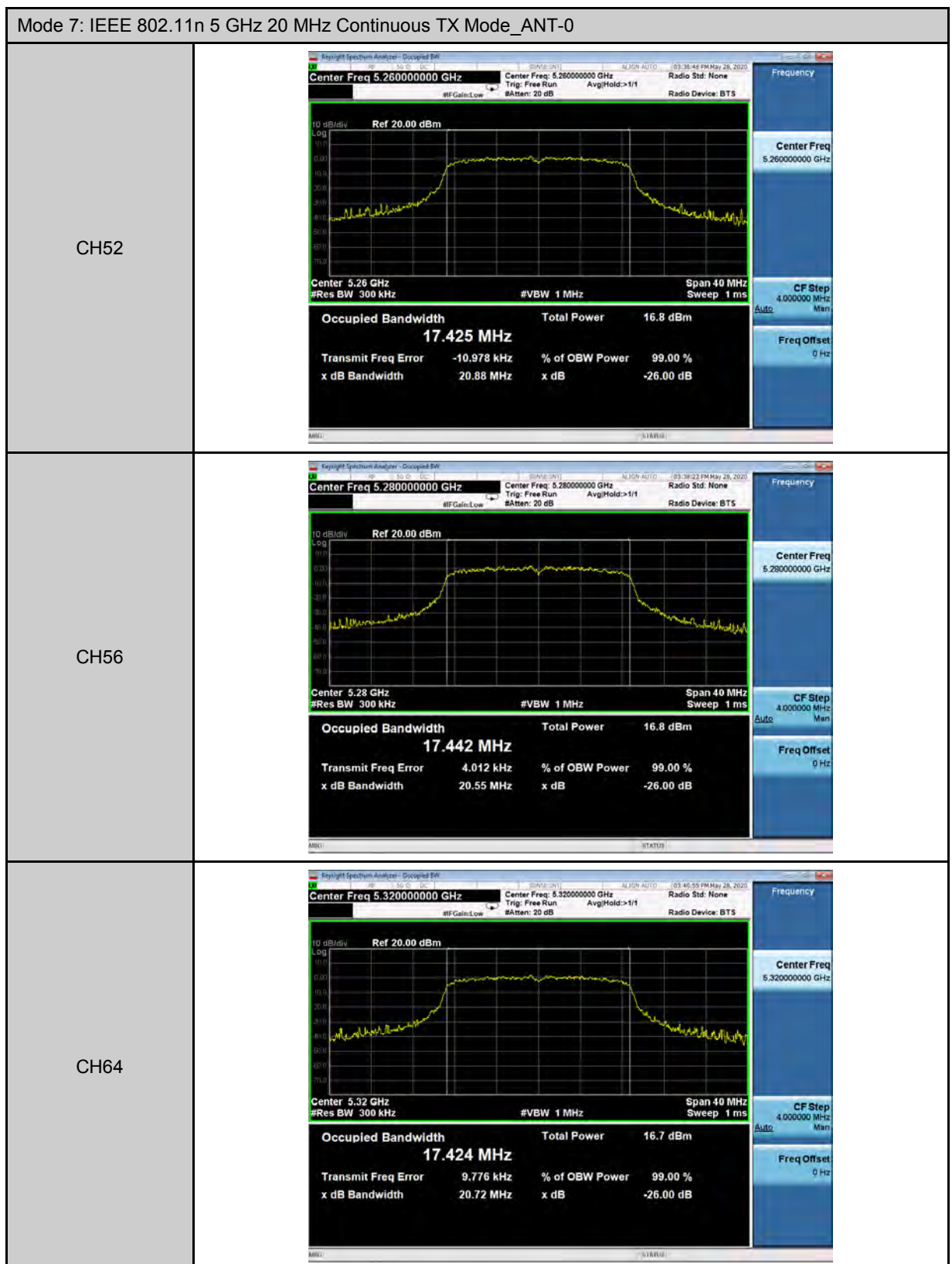
操作模式	: Mode 6 / Mode 7 / Mode 8 / Mode 9 / Mode 10 / Mode 11
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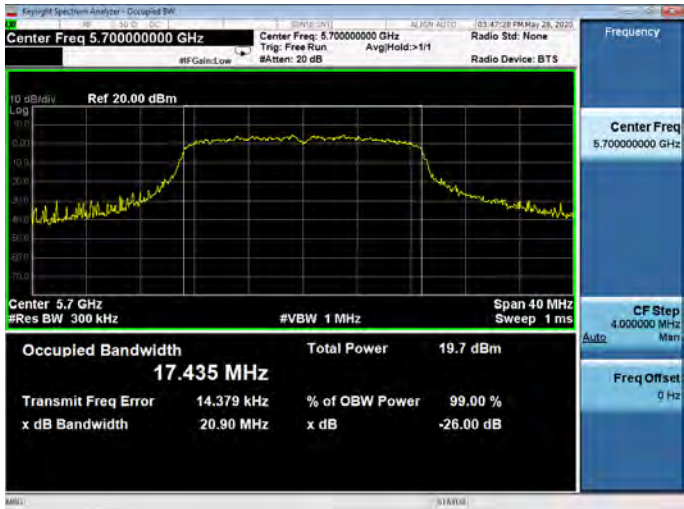
操作模式	頻道 (CH)	頻率 (MHz)	26 dB 頻寬量測值 (MHz)
			ANT-0
Mode 10	38	5190.0	49.850
	46	5230.0	56.050
	54	5270.0	46.170
	62	5310.0	42.270
	102	5510.0	44.280
	110	5550.0	46.180
	134	5670.0	44.080
Mode 11	42	5210.0	81.000
	58	5290.0	84.550
	106	5530.0	85.080
	122	5610.0	82.620

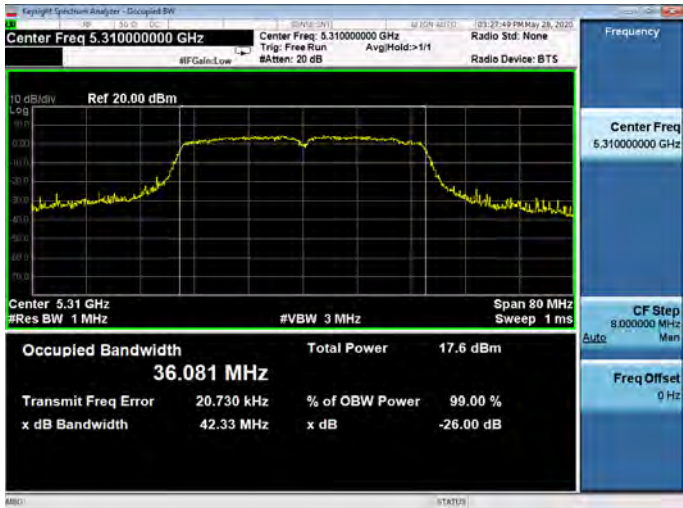
Mode 6: IEEE 802.11a Continuous TX Mode_ANT-0	
CH36	 Key parameters for CH36: - Center Freq: 5.180000000 GHz - Occupied Bandwidth: 16.304 MHz - Total Power: 18.9 dBm - Transmit Freq Error: 19.159 kHz - x dB Bandwidth: 19.72 MHz % of OBW Power: 99.00 % - x dB: -26.00 dB
CH40	 Key parameters for CH40: - Center Freq: 5.200000000 GHz - Occupied Bandwidth: 16.314 MHz - Total Power: 18.8 dBm - Transmit Freq Error: 5.042 kHz - x dB Bandwidth: 19.34 MHz % of OBW Power: 99.00 % - x dB: -26.00 dB
CH48	 Key parameters for CH48: - Center Freq: 5.240000000 GHz - Occupied Bandwidth: 16.305 MHz - Total Power: 17.4 dBm - Transmit Freq Error: 7.054 kHz - x dB Bandwidth: 19.48 MHz % of OBW Power: 99.00 % - x dB: -26.00 dB

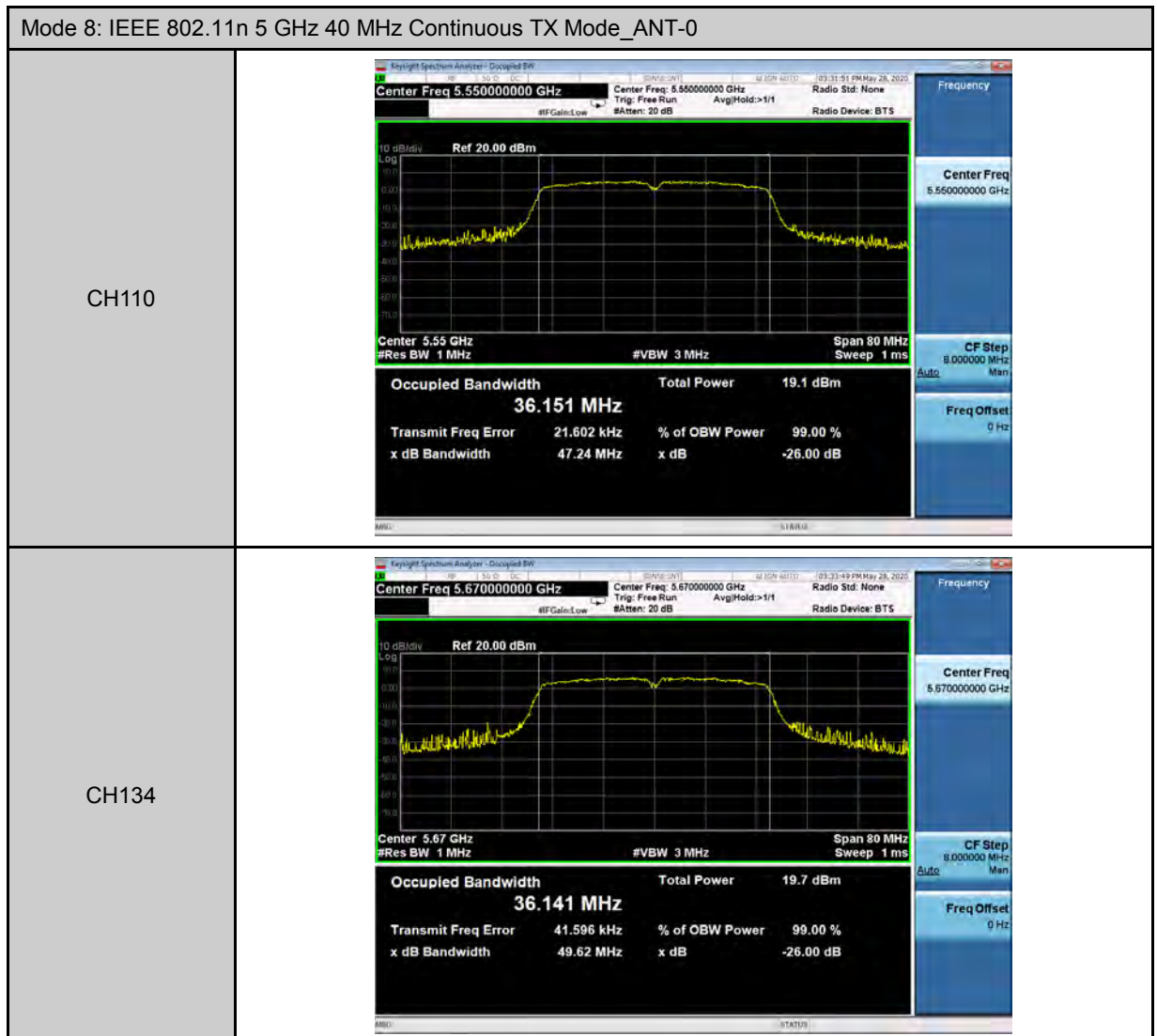
Mode 6: IEEE 802.11a Continuous TX Mode_ANT-0	
CH52	 Keyight Spectrum Analyzer - Occupied BW Center Freq 5.260000000 GHz Center Freq: 5.260000000 GHz Trig: Free Run Avg/Hold: >1/1 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.26 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 16.322 MHz Total Power 17.3 dBm Transmit Freq Error -1.330 kHz % of OBW Power 99.00 % x dB Bandwidth 20.02 MHz x dB -26.00 dB Frequency Center Freq 5.260000000 GHz CF Step 4.000000 MHz Auto Freq Offset 0 Hz
CH56	 Keyight 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 16.291 MHz Total Power 17.0 dBm Transmit Freq Error -6.361 kHz % of OBW Power 99.00 % x dB Bandwidth 18.87 MHz x dB -26.00 dB Frequency Center Freq 5.280000000 GHz CF Step 4.000000 MHz Auto Freq Offset 0 Hz
CH64	 Keyight 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 16.309 MHz Total Power 17.3 dBm Transmit Freq Error 12.176 kHz % of OBW Power 99.00 % x dB Bandwidth 19.53 MHz x dB -26.00 dB Frequency Center Freq 5.320000000 GHz CF Step 4.000000 MHz Auto Freq Offset 0 Hz

Mode 6: IEEE 802.11a Continuous TX Mode_ANT-0	
CH100	 Key parameters for CH100: - Center Freq: 5.500000000 GHz - Occupied Bandwidth: 16.307 MHz - Total Power: 18.0 dBm - Transmit Freq Error: 52 Hz % of OBW Power: 99.00 % - x dB Bandwidth: 19.73 MHz - x dB: -26.00 dB
CH112	 Key parameters for CH112: - Center Freq: 5.560000000 GHz - Occupied Bandwidth: 16.311 MHz - Total Power: 18.3 dBm - Transmit Freq Error: 4.340 kHz % of OBW Power: 99.00 % - x dB Bandwidth: 19.89 MHz - x dB: -26.00 dB
CH140	 Key parameters for CH140: - Center Freq: 5.700000000 GHz - Occupied Bandwidth: 16.323 MHz - Total Power: 19.5 dBm - Transmit Freq Error: 9.761 kHz % of OBW Power: 99.00 % - x dB Bandwidth: 20.22 MHz - x dB: -26.00 dB

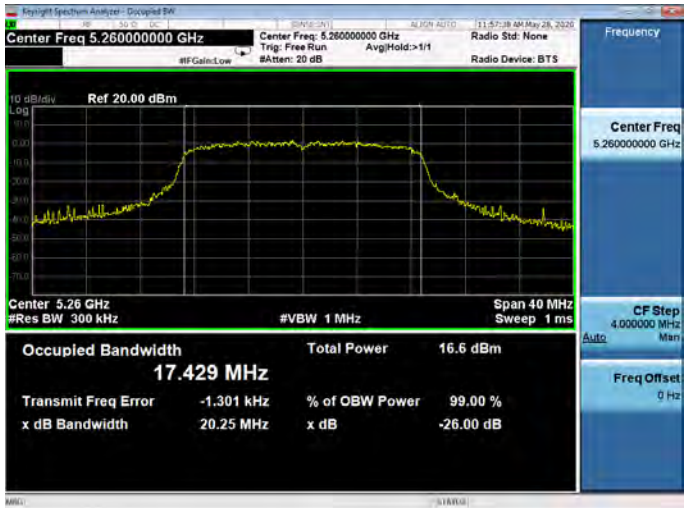
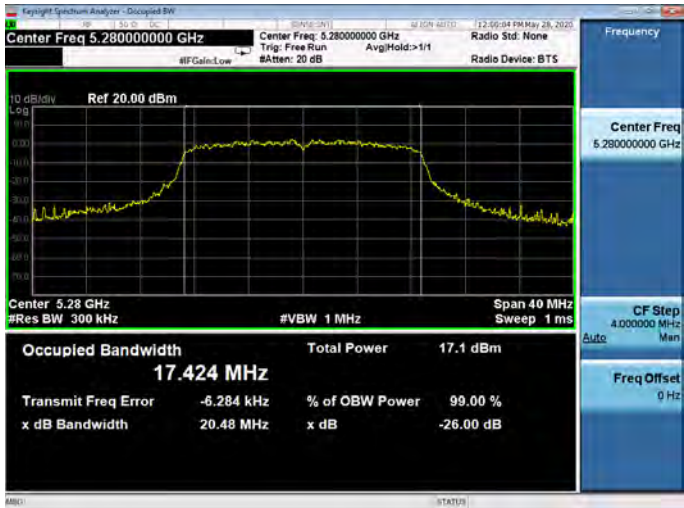


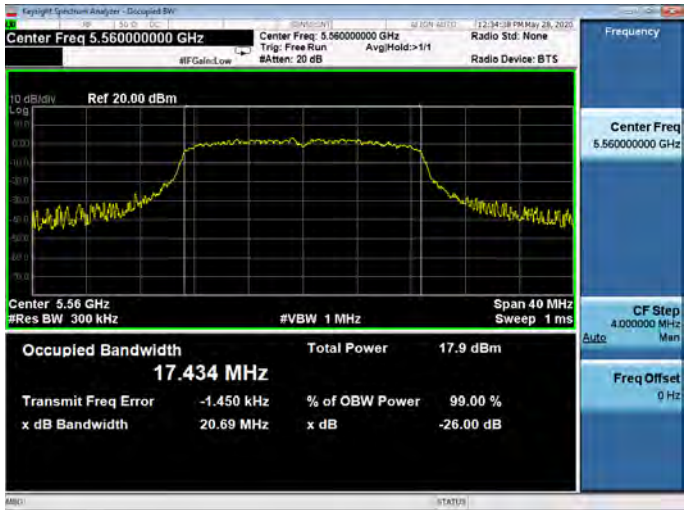
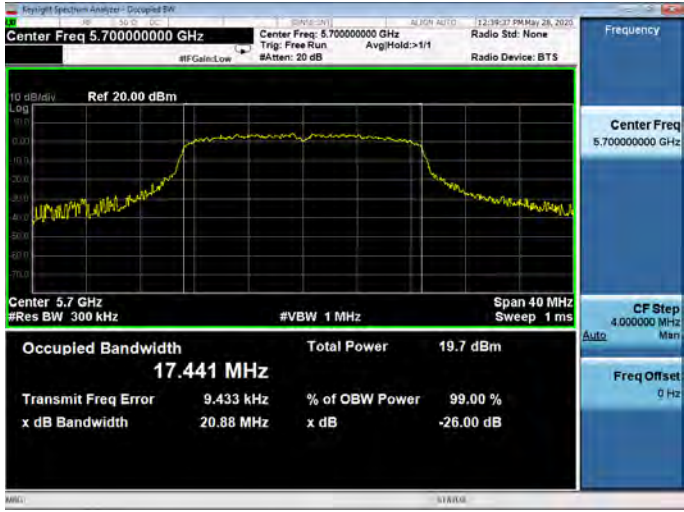
Mode 7: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0	
CH100	 Keynote Spectrum Analyzer - Occupied BW Center Freq 5.500000000 GHz Center Freq: 5.500000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #F Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.5 GHz Span 40 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms Occupied Bandwidth 17.442 MHz Total Power 17.4 dBm Transmit Freq Error -5.322 kHz % of OBW Power 99.00 % x dB Bandwidth 20.66 MHz x dB -26.00 dB Frequency Center Freq 5.500000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH112	 Keynote Spectrum Analyzer - Occupied BW Center Freq 5.560000000 GHz Center Freq: 5.560000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #F 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 17.427 MHz Total Power 17.6 dBm Transmit Freq Error 6.779 kHz % of OBW Power 99.00 % x dB Bandwidth 20.67 MHz x dB -26.00 dB Frequency Center Freq 5.560000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH140	 Keynote Spectrum Analyzer - Occupied BW Center Freq 5.700000000 GHz Center Freq: 5.700000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #F 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 17.435 MHz Total Power 19.7 dBm Transmit Freq Error 14.379 kHz % of OBW Power 99.00 % x dB Bandwidth 20.90 MHz x dB -26.00 dB Frequency Center Freq 5.700000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz

Mode 8: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-0	
CH54	 Keygraph Spectrum Analyzer - Occupied BW Center Freq 5.270000000 GHz Center Freq: 5.270000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #RF Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.27 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 36.087 MHz Total Power 17.8 dBm Transmit Freq Error -34.727 kHz % of OBW Power 99.00 % x dB Bandwidth 45.67 MHz x dB -26.00 dB Frequency Center Freq 5.270000000 GHz CF Step 8.000000 MHz Man Freq Offset 0 Hz
CH62	 Keygraph Spectrum Analyzer - Occupied BW Center Freq 5.310000000 GHz Center Freq: 5.310000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #RF Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.31 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 36.081 MHz Total Power 17.6 dBm Transmit Freq Error 20.730 kHz % of OBW Power 99.00 % x dB Bandwidth 42.33 MHz x dB -26.00 dB Frequency Center Freq 5.310000000 GHz CF Step 8.000000 MHz Man Freq Offset 0 Hz
CH102	 Keygraph Spectrum Analyzer - Occupied BW Center Freq 5.510000000 GHz Center Freq: 5.510000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #RF Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.51 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1 ms Occupied Bandwidth 36.031 MHz Total Power 18.4 dBm Transmit Freq Error -45.486 kHz % of OBW Power 99.00 % x dB Bandwidth 47.77 MHz x dB -26.00 dB Frequency Center Freq 5.510000000 GHz CF Step 8.000000 MHz Man Freq Offset 0 Hz



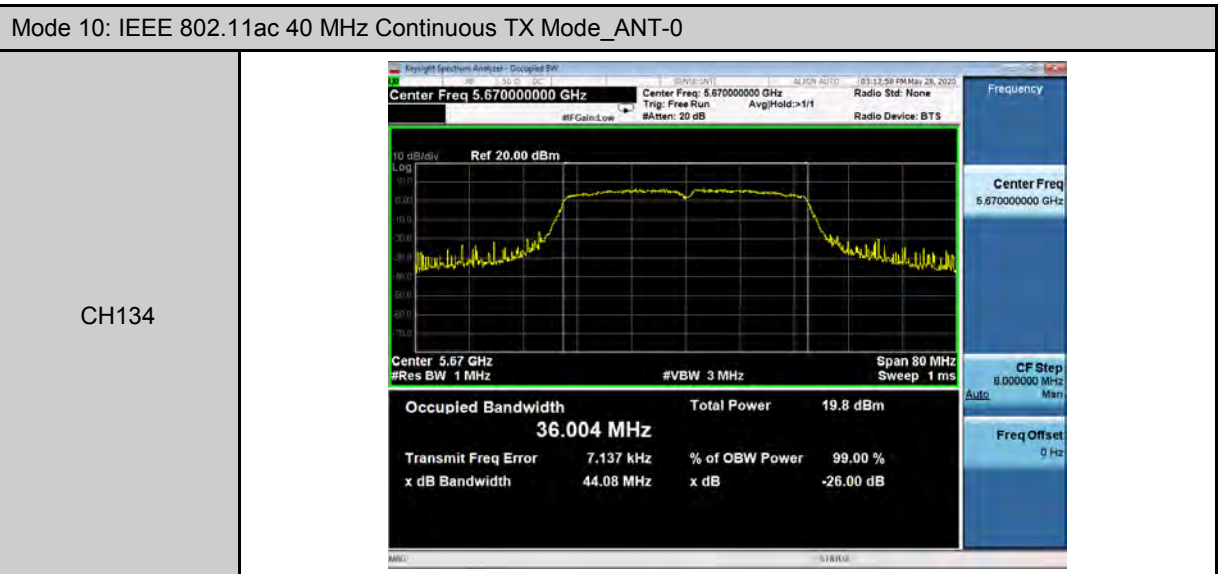


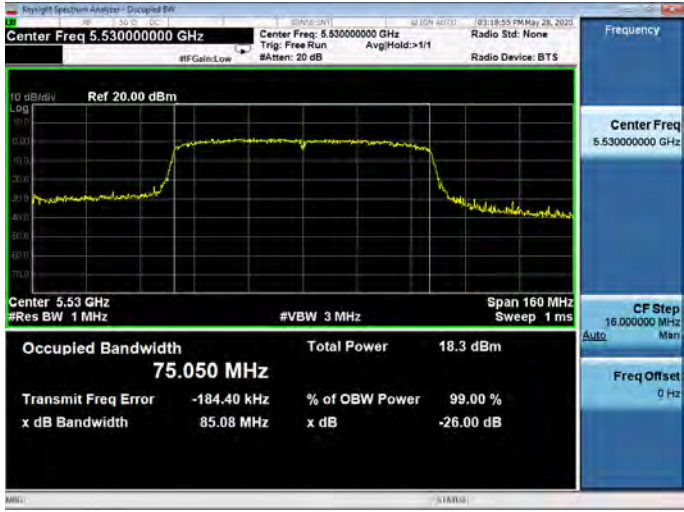
Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0	
CH52	 Keynote Spectrum Analyzer - Occupied BW Center Freq 5.260000000 GHz Center Freq: 5.260000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #F Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.26 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 17.429 MHz Total Power 16.6 dBm Transmit Freq Error -1.301 kHz % of OBW Power 99.00 % x dB Bandwidth 20.25 MHz x dB -26.00 dB Frequency Center Freq 5.260000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH56	 Keynote Spectrum Analyzer - Occupied BW Center Freq 5.280000000 GHz Center Freq: 5.280000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #F 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 17.424 MHz Total Power 17.1 dBm Transmit Freq Error -6.284 kHz % of OBW Power 99.00 % x dB Bandwidth 20.48 MHz x dB -26.00 dB Frequency Center Freq 5.280000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH64	 Keynote Spectrum Analyzer - Occupied BW Center Freq 5.320000000 GHz Center Freq: 5.320000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #F 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 17.429 MHz Total Power 16.6 dBm Transmit Freq Error 9.717 kHz % of OBW Power 99.00 % x dB Bandwidth 21.22 MHz x dB -26.00 dB Frequency Center Freq 5.320000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz

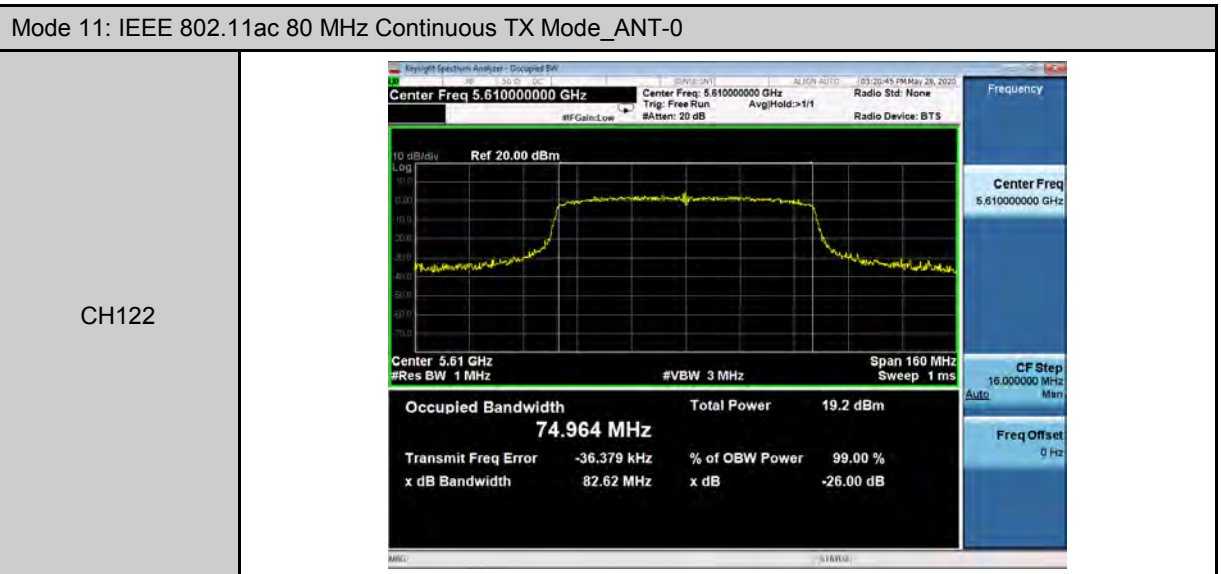
Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0	
CH100	 Keyight Spectrum Analyzer - Occupied BW Center Freq 5.500000000 GHz Center Freq: 5.500000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #RF Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.5 GHz Span 40 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms Occupied Bandwidth 17.440 MHz Total Power 17.4 dBm Transmit Freq Error -5.597 kHz % of OBW Power 99.00 % x dB Bandwidth 20.54 MHz x dB -26.00 dB Frequency Center Freq 5.500000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH112	 Keyight Spectrum Analyzer - Occupied BW Center Freq 5.560000000 GHz Center Freq: 5.560000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #RF 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 17.434 MHz Total Power 17.9 dBm Transmit Freq Error -1.450 kHz % of OBW Power 99.00 % x dB Bandwidth 20.69 MHz x dB -26.00 dB Frequency Center Freq 5.560000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH140	 Keyight Spectrum Analyzer - Occupied BW Center Freq 5.700000000 GHz Center Freq: 5.700000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #RF 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 17.441 MHz Total Power 19.7 dBm Transmit Freq Error 9.433 kHz % of OBW Power 99.00 % x dB Bandwidth 20.88 MHz x dB -26.00 dB Frequency Center Freq 5.700000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz

Mode 10: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-0	
CH38	 Key: Knight 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 36.025 MHz Total Power 19.5 dBm Transmit Freq Error -42.166 kHz % of OBW Power 99.00 % x dB Bandwidth 49.85 MHz x dB -26.00 dB Frequency Center Freq 5.190000000 GHz CF Step 8.000000 MHz Man Freq Offset 0 Hz
CH46	 Key: Knight 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 36.118 MHz Total Power 19.1 dBm Transmit Freq Error -94.551 kHz % of OBW Power 99.00 % x dB Bandwidth 56.05 MHz x dB -26.00 dB Frequency Center Freq 5.230000000 GHz CF Step 8.000000 MHz Man Freq Offset 0 Hz
CH54	 Key: Knight 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 36.054 MHz Total Power 17.8 dBm Transmit Freq Error -32.549 kHz % of OBW Power 99.00 % x dB Bandwidth 46.17 MHz x dB -26.00 dB Frequency Center Freq 5.270000000 GHz CF Step 8.000000 MHz Man Freq Offset 0 Hz





Mode 11: IEEE 802.11ac 80 MHz Continuous TX Mode_ANT-0	
CH42	 Key: Knight Spectrum Analyzer - Occupied BW Center Freq 5.210000000 GHz Center Freq: 5.210000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #F Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.21 GHz Span 160 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms Occupied Bandwidth 74.980 MHz Total Power 17.9 dBm Transmit Freq Error -223.35 kHz % of OBW Power 99.00 % x dB Bandwidth 81.00 MHz x dB -26.00 dB Frequency Center Freq 5.210000000 GHz CF Step 16.000000 MHz Man Freq Offset 0 Hz
CH58	 Key: Knight Spectrum Analyzer - Occupied BW Center Freq 5.290000000 GHz Center Freq: 5.290000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #F Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.29 GHz Span 160 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms Occupied Bandwidth 75.197 MHz Total Power 16.5 dBm Transmit Freq Error -78.112 kHz % of OBW Power 99.00 % x dB Bandwidth 84.55 MHz x dB -26.00 dB Frequency Center Freq 5.290000000 GHz CF Step 16.000000 MHz Man Freq Offset 0 Hz
CH106	 Key: Knight Spectrum Analyzer - Occupied BW Center Freq 5.530000000 GHz Center Freq: 5.530000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #F Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.53 GHz Span 160 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms Occupied Bandwidth 75.050 MHz Total Power 18.3 dBm Transmit Freq Error -184.40 kHz % of OBW Power 99.00 % x dB Bandwidth 85.08 MHz x dB -26.00 dB Frequency Center Freq 5.530000000 GHz CF Step 16.000000 MHz Man Freq Offset 0 Hz

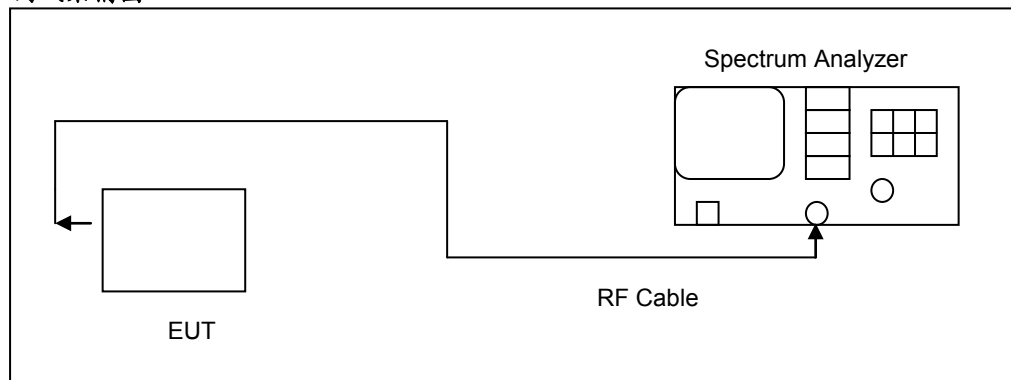


4.3.5 6 dB頻寬之要求

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。

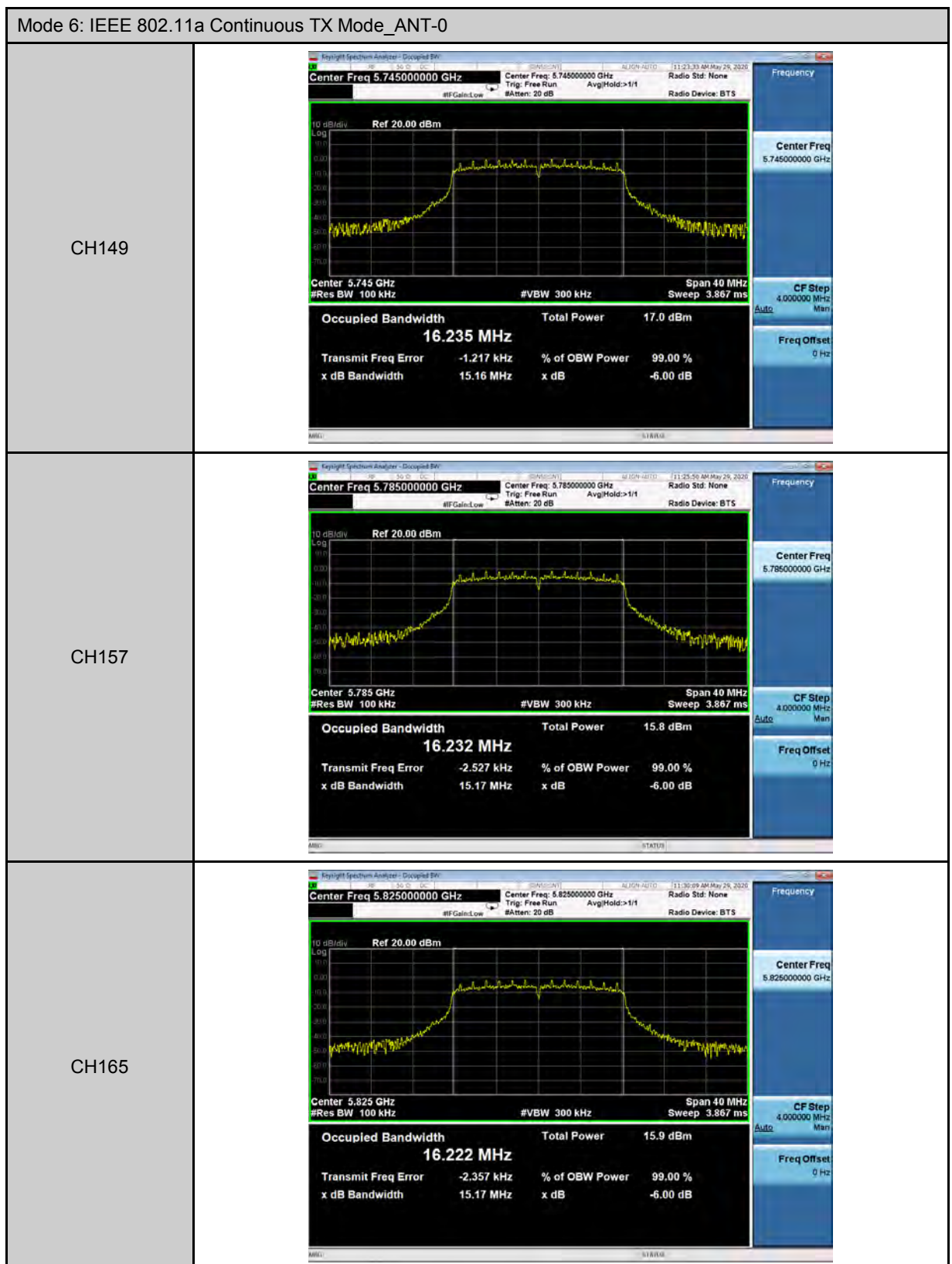
測試架構圖：

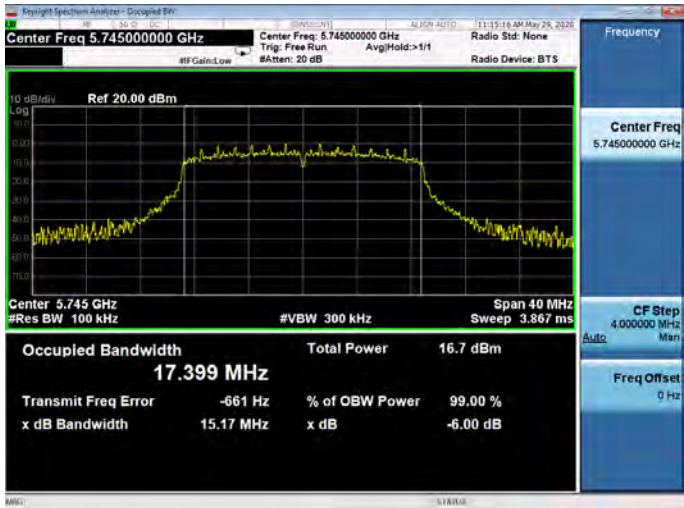
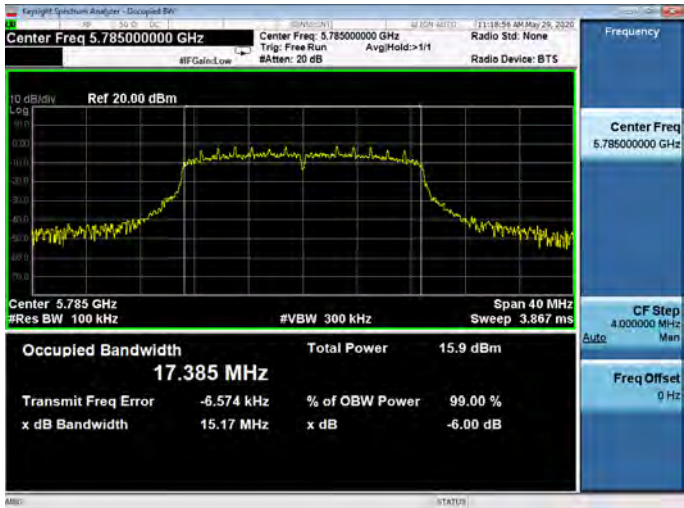
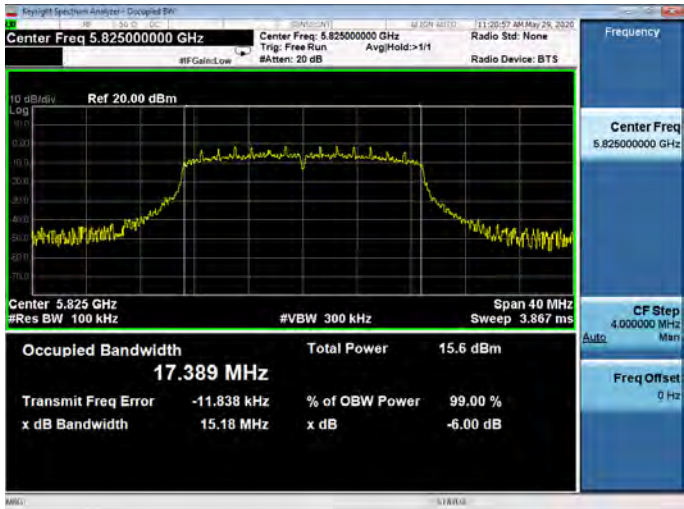


測試結果:

操作模式 : Mode 6 / Mode 9 / Mode 10 / Mode 11

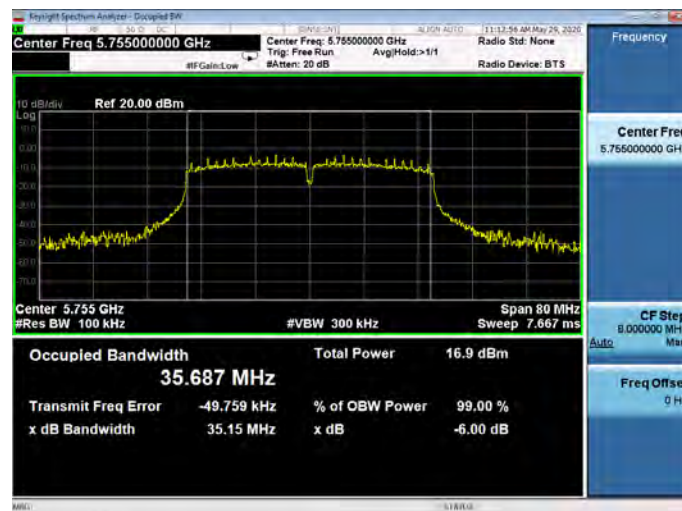
操作模式	頻道 (CH)	頻率 (MHz)	6 dB 頻寬量測值 (kHz)	限制值 (kHz)
			ANT-0	
Mode 6	149	5745.0	15160	≥ 500
	157	5785.0	15170	≥ 500
	165	5825.0	15170	≥ 500
Mode 9	149	5745.0	15170	≥ 500
	157	5785.0	15170	≥ 500
	165	5825.0	15180	≥ 500
Mode 10	151	5755.0	35150	≥ 500
	159	5795.0	35160	≥ 500
Mode 11	155	5775.0	75190	≥ 500



Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0	
CH149	 Key: Knight Spectrum Analyzer - Occupied BW Center Freq 5.745000000 GHz Center Freq: 5.745000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #F Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.745 GHz Span 40 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.867 ms Occupied Bandwidth 17.399 MHz Total Power 16.7 dBm Transmit Freq Error -661 Hz % of OBW Power 99.00 % x dB Bandwidth 15.17 MHz x dB -6.00 dB Frequency Center Freq 5.745000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH157	 Key: Knight Spectrum Analyzer - Occupied BW Center Freq 5.785000000 GHz Center Freq: 5.785000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #F Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.785 GHz Span 40 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.867 ms Occupied Bandwidth 17.385 MHz Total Power 15.9 dBm Transmit Freq Error -6.574 kHz % of OBW Power 99.00 % x dB Bandwidth 15.17 MHz x dB -6.00 dB Frequency Center Freq 5.785000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz
CH165	 Key: Knight Spectrum Analyzer - Occupied BW Center Freq 5.825000000 GHz Center Freq: 5.825000000 GHz Radio Std: None Trig: Free Run Avg/Hold: >1/1 #F Gain: Low #Atten: 20 dB Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.825 GHz Span 40 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.867 ms Occupied Bandwidth 17.389 MHz Total Power 15.6 dBm Transmit Freq Error -11.838 kHz % of OBW Power 99.00 % x dB Bandwidth 15.18 MHz x dB -6.00 dB Frequency Center Freq 5.825000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz

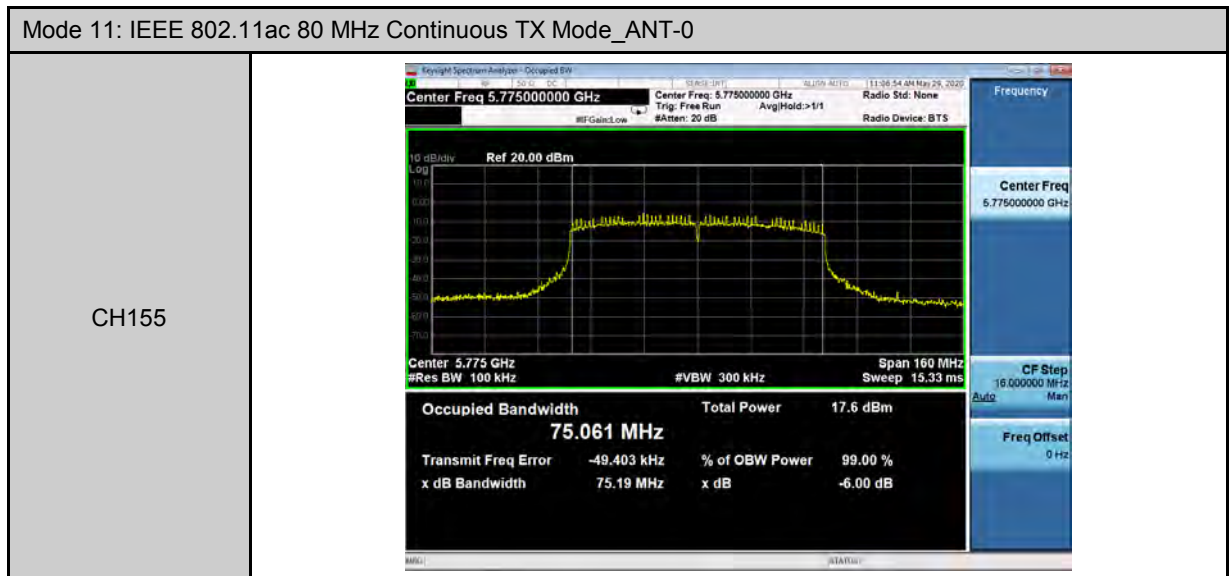
Mode 10: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-0

CH151



CH159



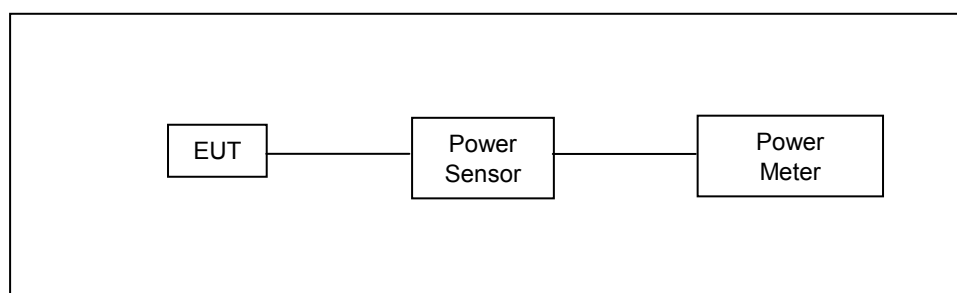


4.3.6 發射功率控制(TPC)之量測

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 6 / Mode 7 / Mode 8 / Mode 9 / Mode 10 / Mode 11				
測試結果	Mode 6: EIRP =	37.497 mW	< 500 mW	, 故不需評估發射功率控制(TPC)。	
	Mode 7: EIRP =	35.810 mW	< 500 mW	, 故不需評估發射功率控制(TPC)。	
	Mode 8: EIRP =	29.512 mW	< 500 mW	, 故不需評估發射功率控制(TPC)。	
	Mode 9: EIRP =	36.224 mW	< 500 mW	, 故不需評估發射功率控制(TPC)。	
	Mode 10: EIRP =	29.923 mW	< 500 mW	, 故不需評估發射功率控制(TPC)。	
	Mode 11: EIRP =	22.909 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:

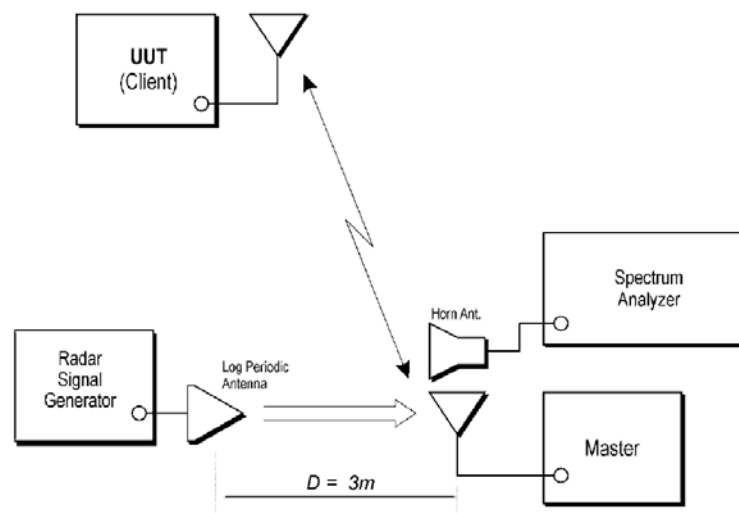
最低動態頻率選擇的偵測門檻

- 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:

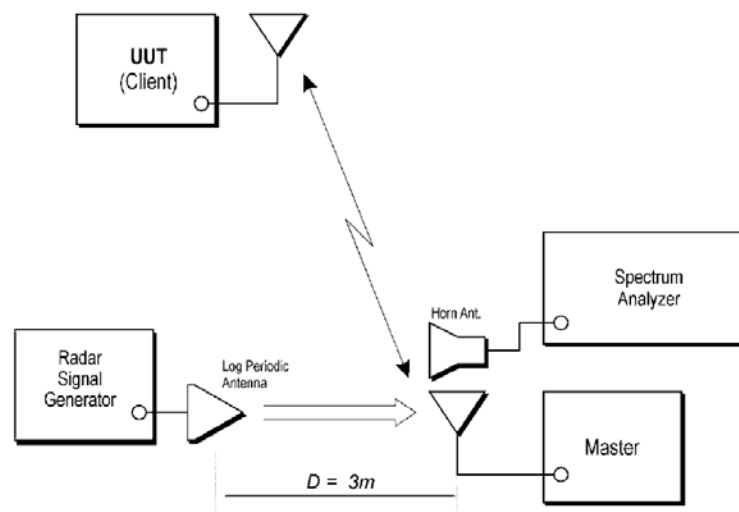
操作模式	: Mode 11
測試結果	: 不適用, 此產品為受控裝置, 因此不須評估動態頻率選擇(DFS)

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:

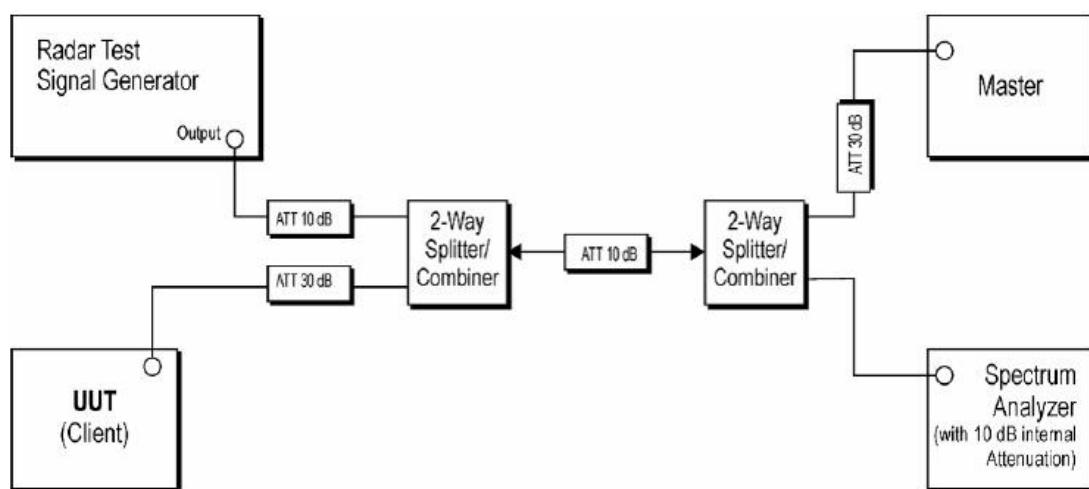
操作模式	: Mode 11
測試結果	: 不適用; 此產品為受控裝置, 因此不須評估頻道可用性檢查時間

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：



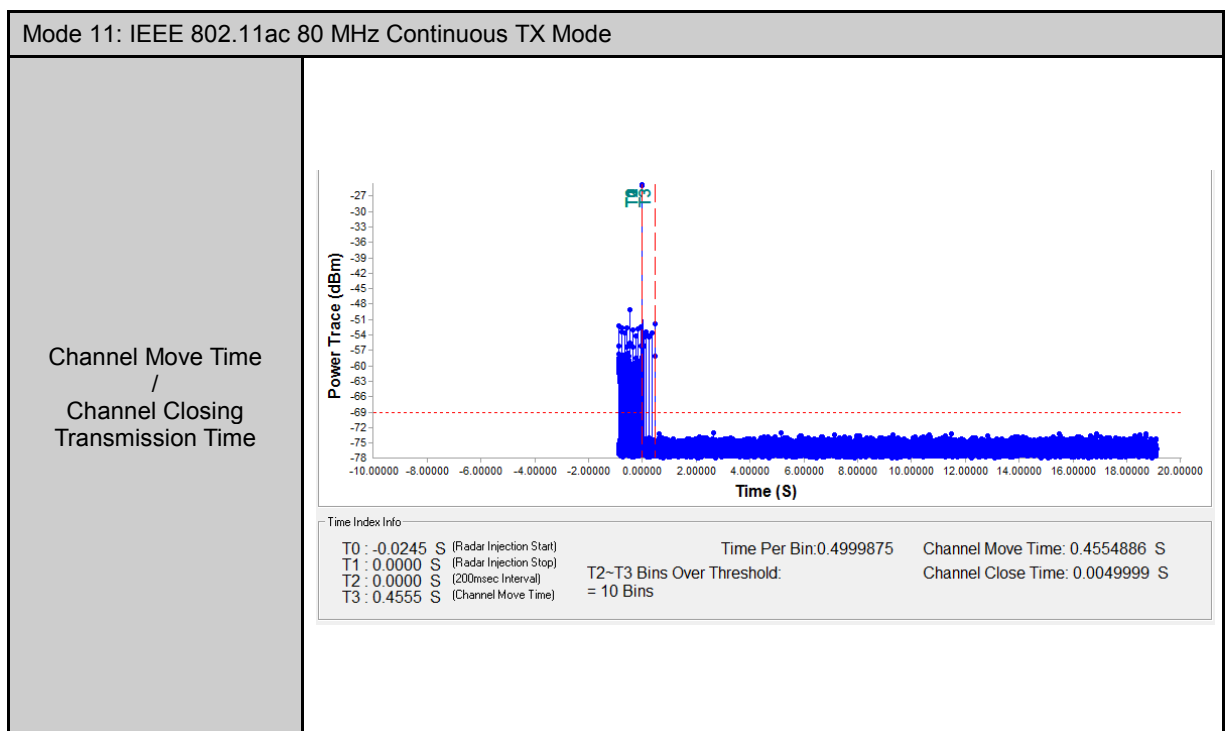
Product		Manufacturer	Model No.	ID
1	Netgear Access Point	Netgear	R7800	FCC : PY35100319

測試結果:

操作模式 : Mode 11

Frequency (MHz)	Radar Type	Channel Move Time (sec)	Limit (sec)
5610	Type 0	0.4554886	10

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

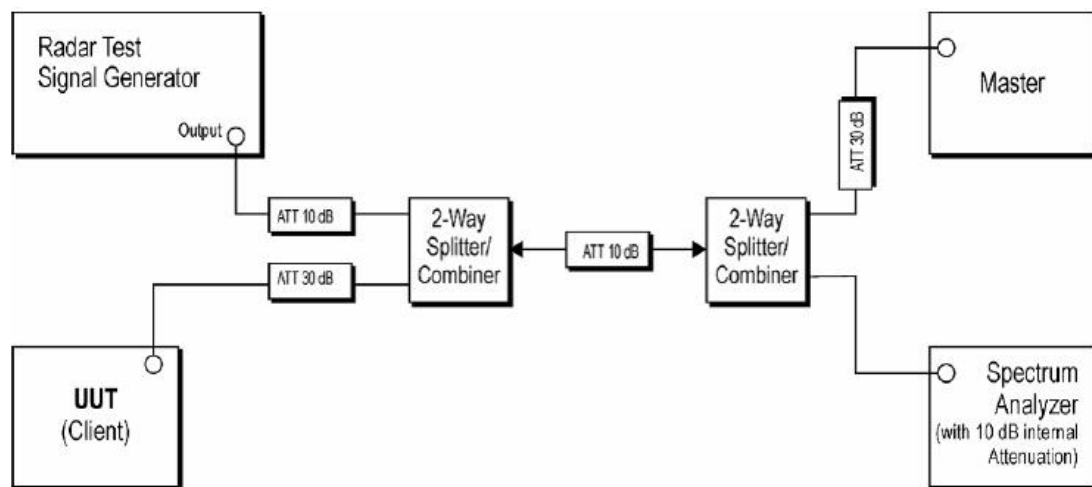


4.3.10 不可佔用時間之量測

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 11
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。

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	18.38	-0.7	0.85	1	58.535	0.0116
WLAN 5 GHz	5180-5825	1	20	13.24	2.50	1.78	1	37.534	0.0075

--- END---