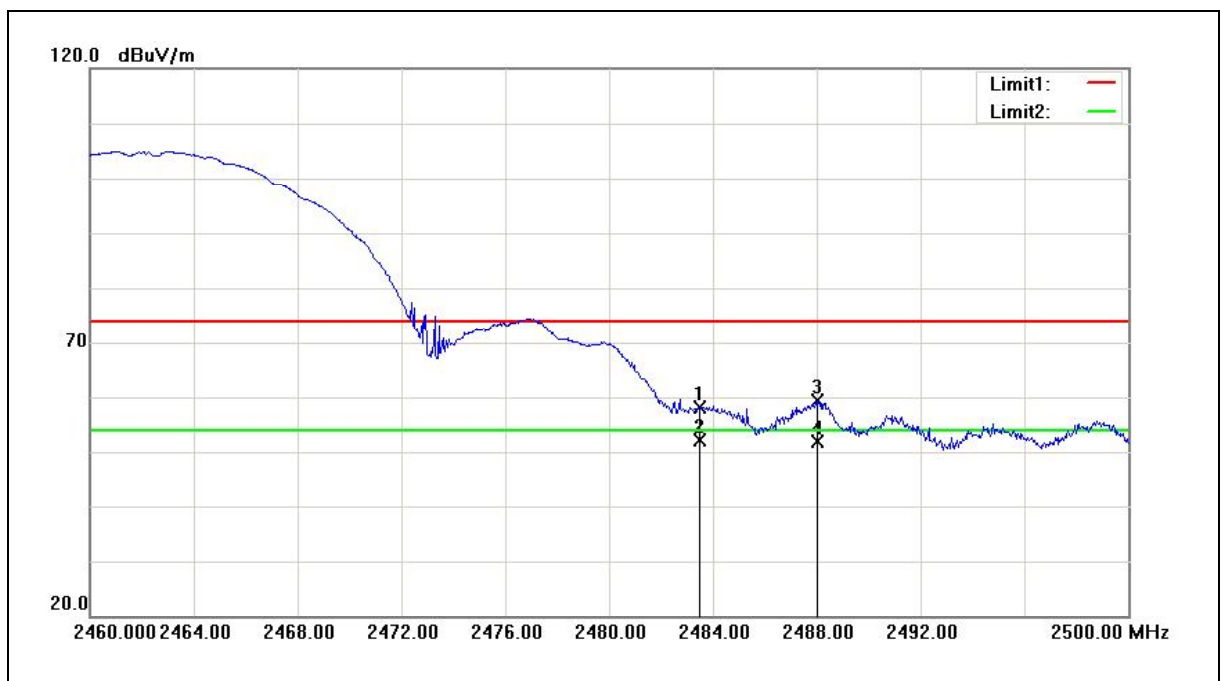


Standard:	LP0002	Test Distance:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2462MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



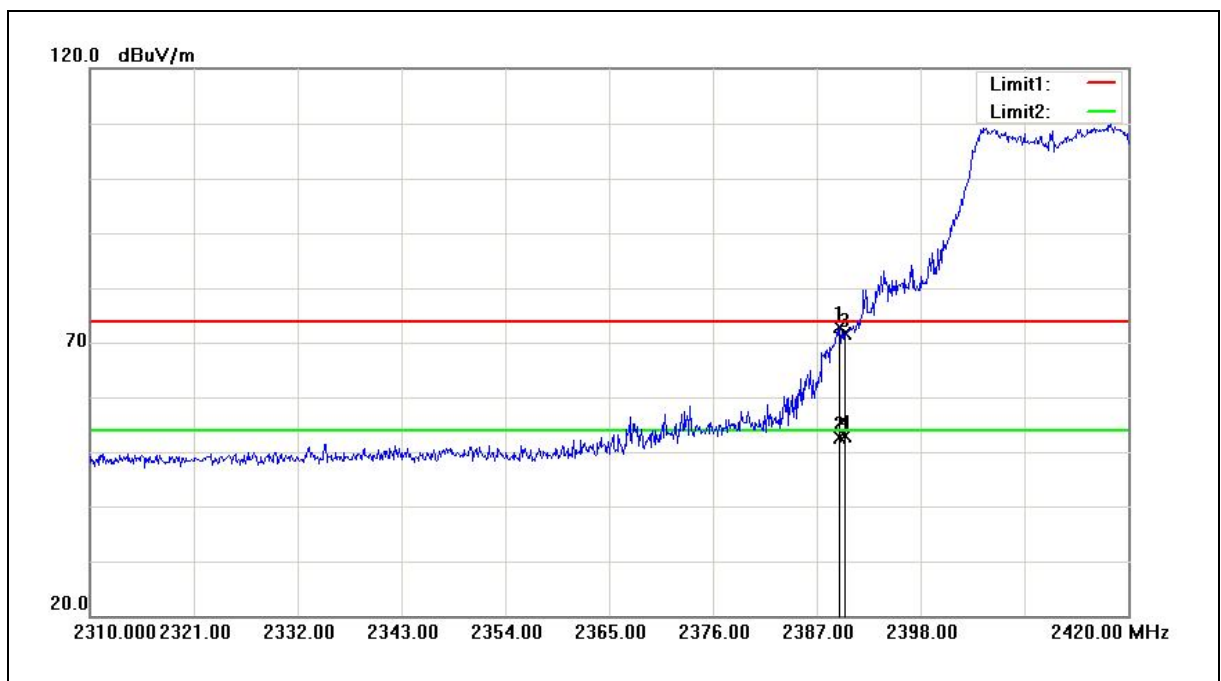
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	58.15	0.03	58.18	74.00	-15.82	peak
2	2483.500	52.05	0.03	52.08	54.00	-1.92	AVG
3	2488.000	59.38	0.04	59.42	74.00	-14.58	peak
4	2488.000	51.90	0.04	51.94	54.00	-2.06	AVG

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2412MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



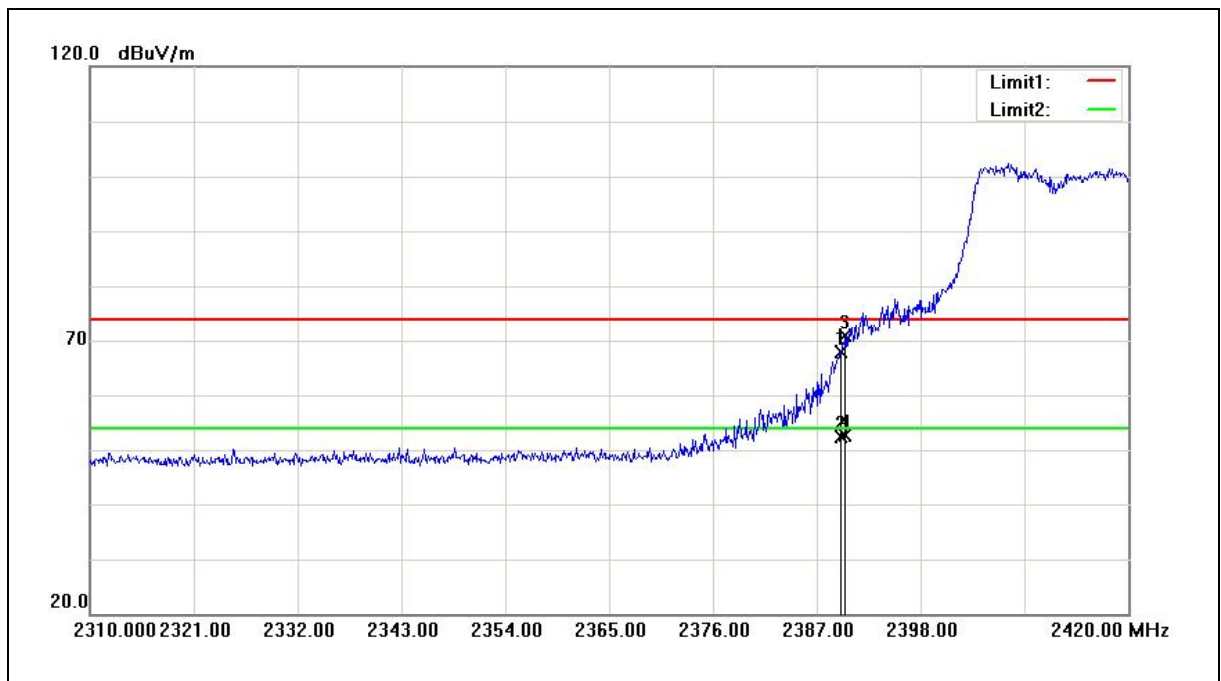
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.420	73.33	-0.33	73.00	74.00	-1.00	peak
2	2389.420	53.06	-0.33	52.73	54.00	-1.27	AVG
3	2390.000	71.92	-0.33	71.59	74.00	-2.41	peak
4	2390.000	53.21	-0.33	52.88	54.00	-1.12	AVG

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:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2412MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



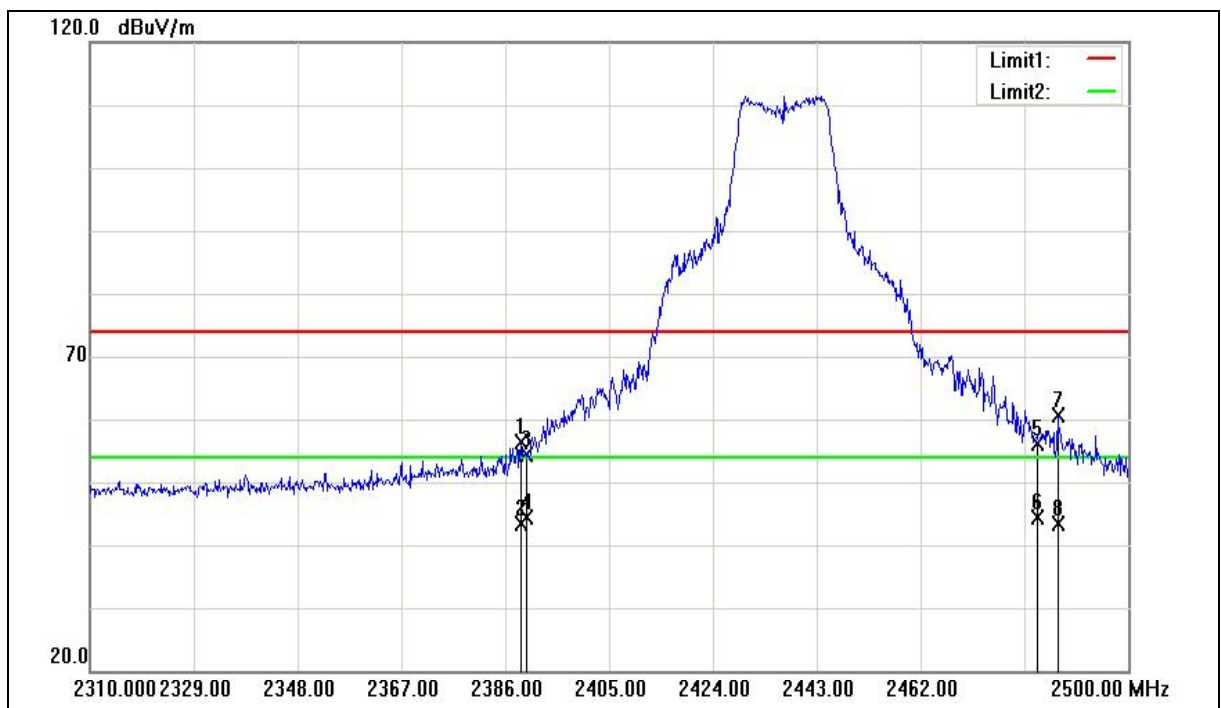
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.530	68.29	-0.33	67.96	74.00	-6.04	peak
2	2389.530	52.74	-0.33	52.41	54.00	-1.59	AVG
3	2390.000	71.25	-0.33	70.92	74.00	-3.08	peak
4	2390.000	52.88	-0.33	52.55	54.00	-1.45	AVG

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2437MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



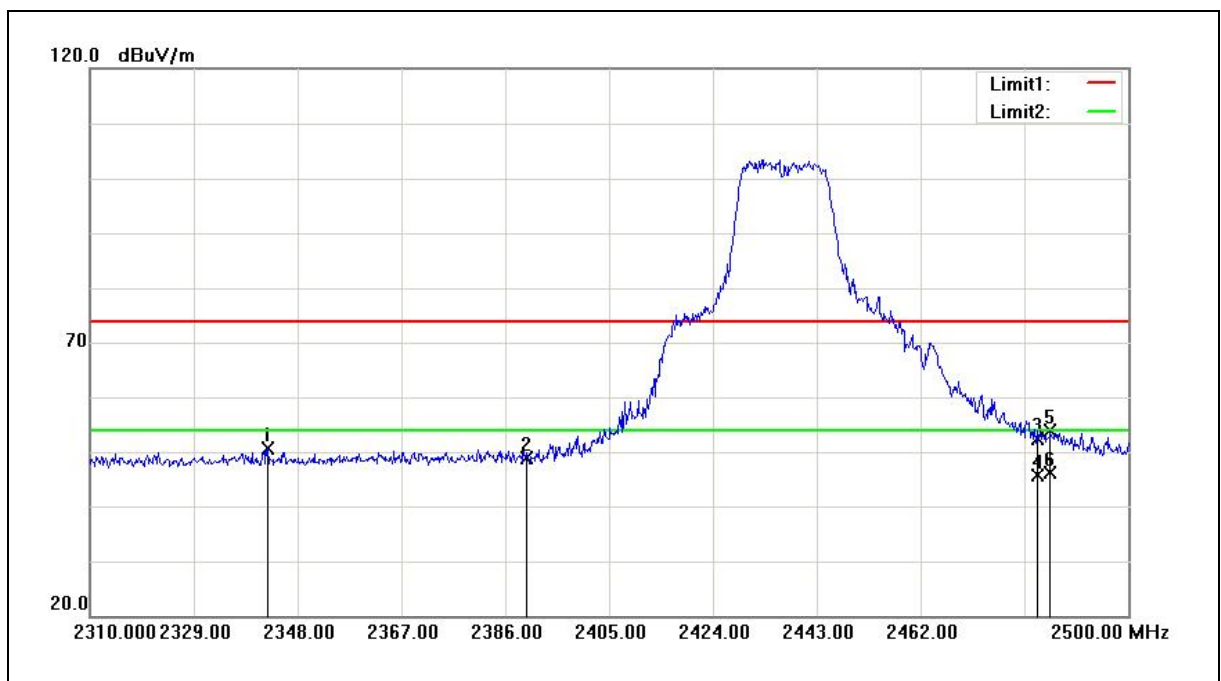
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.850	56.78	-0.33	56.45	74.00	-17.55	peak
2	2388.850	43.63	-0.33	43.30	54.00	-10.70	AVG
3	2390.000	54.61	-0.33	54.28	74.00	-19.72	peak
4	2390.000	44.66	-0.33	44.33	54.00	-9.67	AVG
5	2483.500	56.10	0.03	56.13	74.00	-17.87	peak
6	2483.500	44.23	0.03	44.26	54.00	-9.74	AVG
7	2487.080	60.56	0.04	60.60	74.00	-13.40	peak
8	2487.080	43.45	0.04	43.49	54.00	-10.51	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:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2437MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



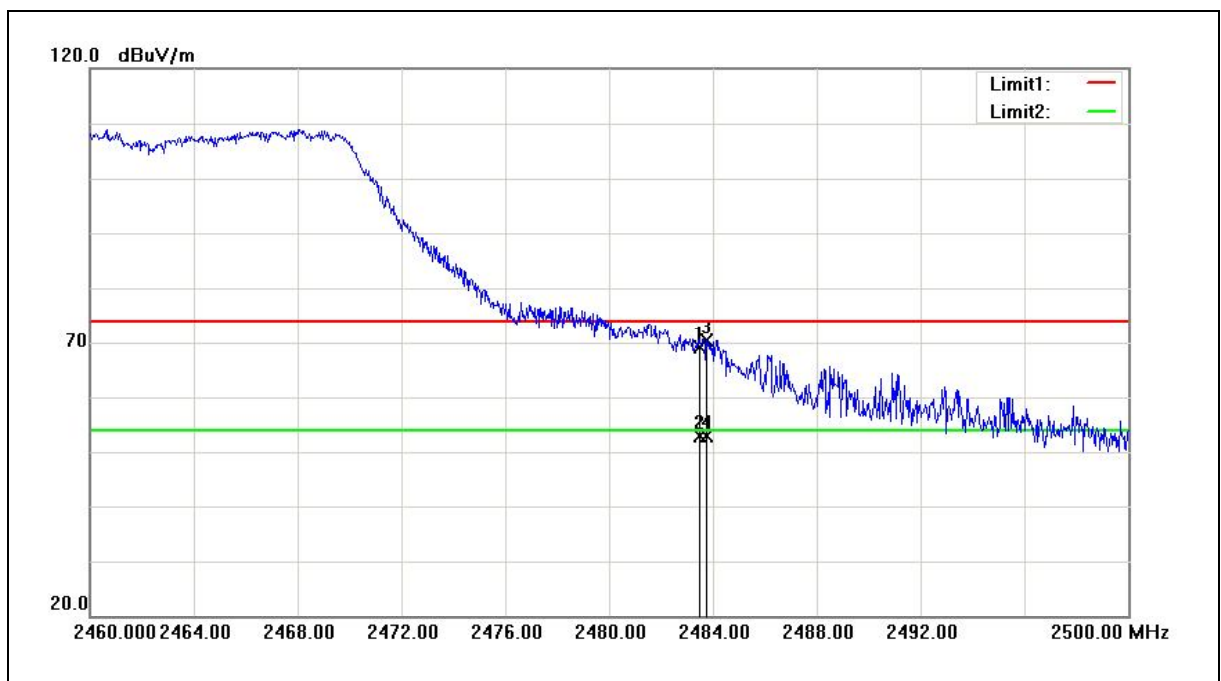
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2342.490	51.02	-0.51	50.51	74.00	-23.49	peak
2	2390.000	49.19	-0.33	48.86	74.00	-25.14	peak
3	2483.500	52.39	0.03	52.42	74.00	-21.58	peak
4	2483.500	45.56	0.03	45.59	54.00	-8.41	AVG
5	2485.750	53.87	0.03	53.90	74.00	-20.10	peak
6	2485.750	46.18	0.03	46.21	54.00	-7.79	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:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2462MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



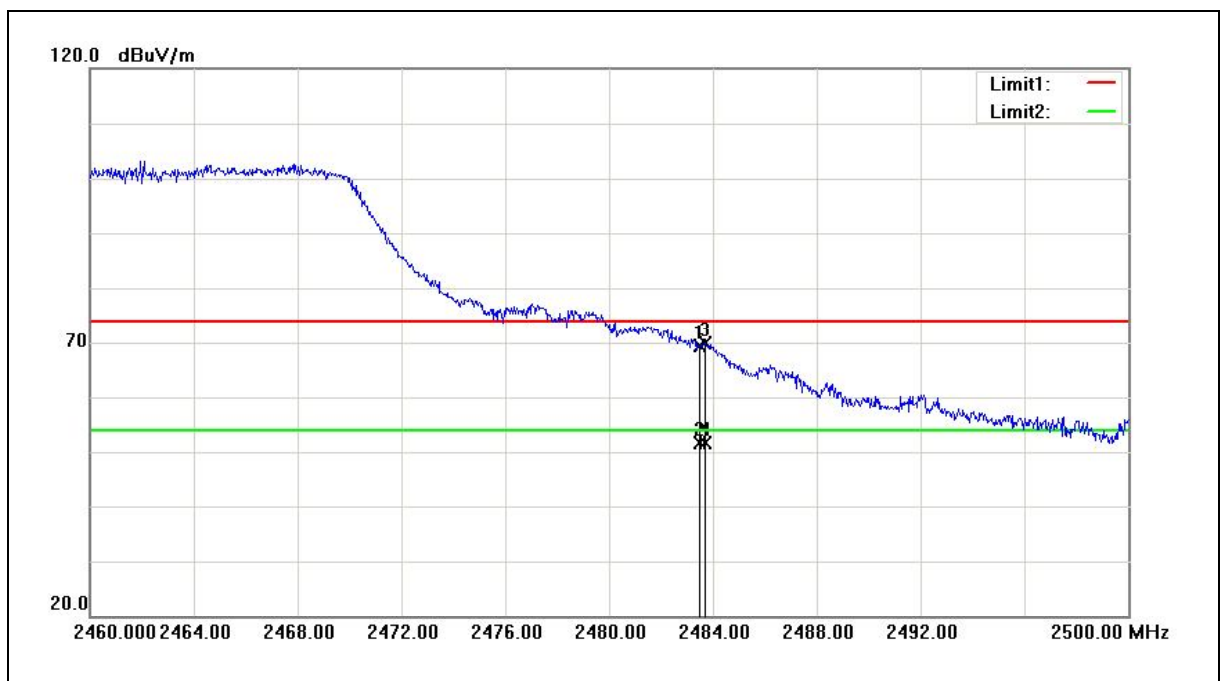
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	69.15	0.03	69.18	74.00	-4.82	peak
2	2483.500	52.94	0.03	52.97	54.00	-1.03	AVG
3	2483.760	70.44	0.03	70.47	74.00	-3.53	peak
4	2483.760	52.86	0.03	52.89	54.00	-1.11	AVG

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:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2462MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



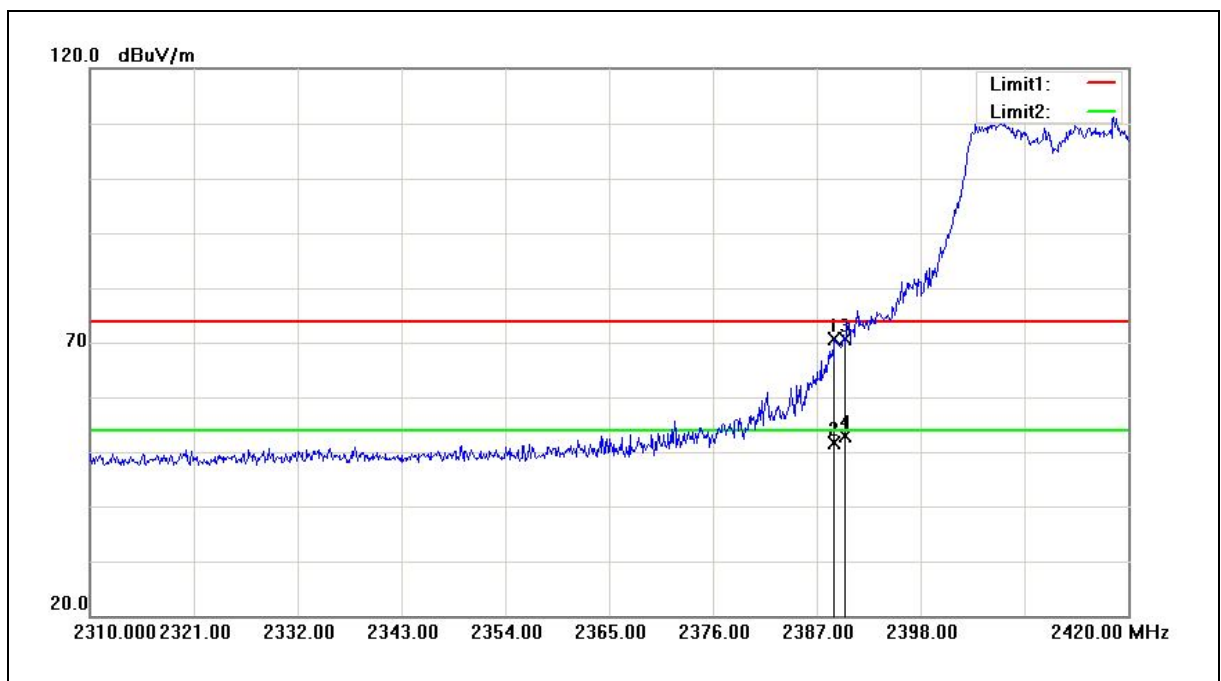
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	69.23	0.03	69.26	74.00	-4.74	peak
2	2483.500	51.63	0.03	51.66	54.00	-2.34	AVG
3	2483.680	69.73	0.03	69.76	74.00	-4.24	peak
4	2483.680	51.54	0.03	51.57	54.00	-2.43	AVG

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:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2412MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



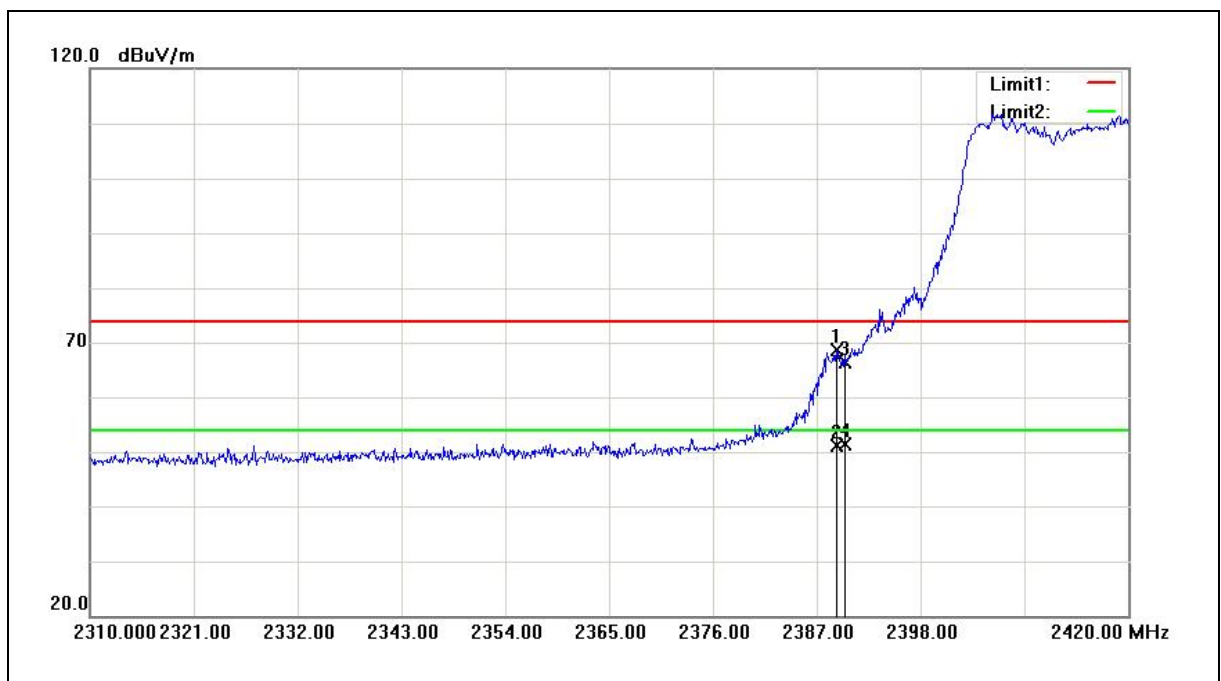
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.870	71.05	-0.33	70.72	74.00	-3.28	peak
2	2388.870	52.01	-0.33	51.68	54.00	-2.32	AVG
3	2390.000	71.06	-0.33	70.73	74.00	-3.27	peak
4	2390.000	53.20	-0.33	52.87	54.00	-1.13	AVG

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:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2412MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



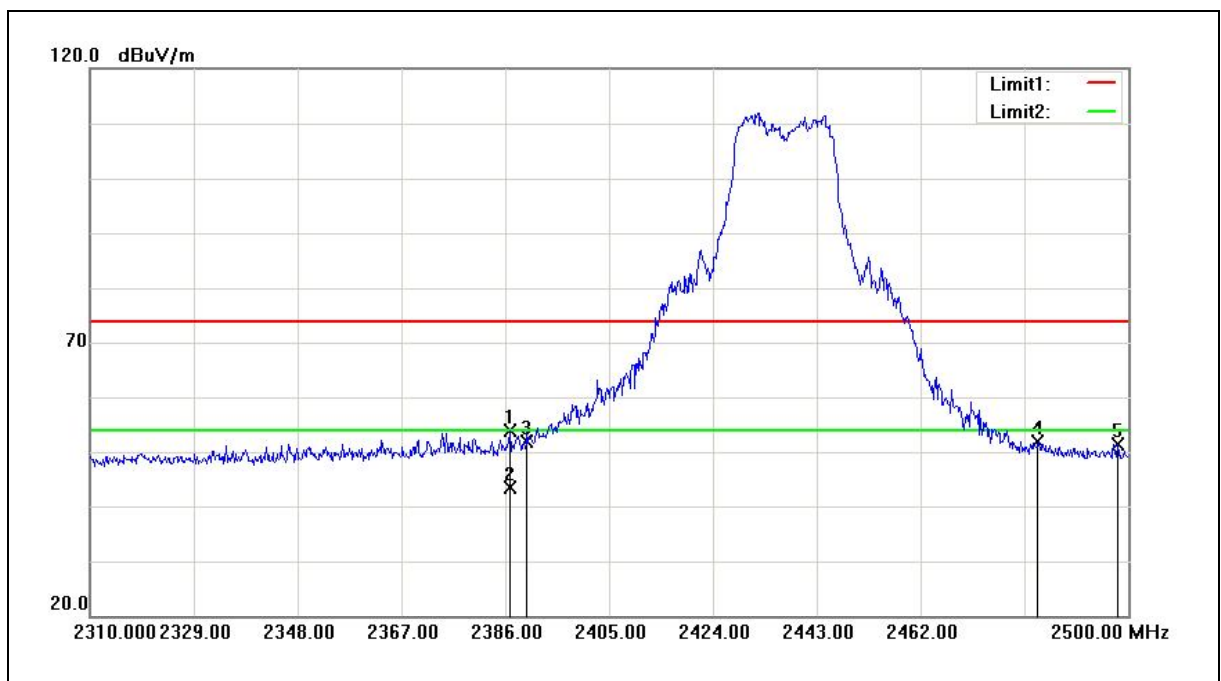
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.090	69.03	-0.33	68.70	74.00	-5.30	peak
2	2389.090	51.57	-0.33	51.24	54.00	-2.76	AVG
3	2390.000	66.77	-0.33	66.44	74.00	-7.56	peak
4	2390.000	51.66	-0.33	51.33	54.00	-2.67	AVG

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:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2437MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



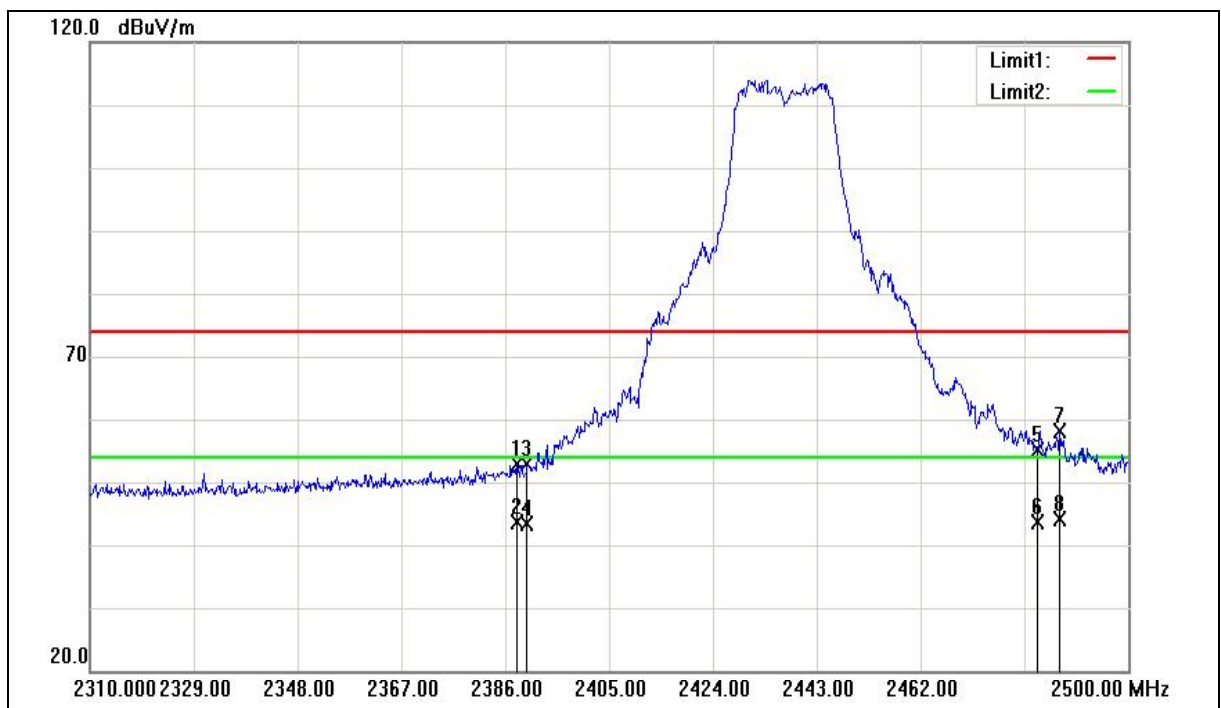
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.950	54.14	-0.33	53.81	74.00	-20.19	peak
2	2386.950	43.61	-0.33	43.28	54.00	-10.72	AVG
3	2390.000	52.28	-0.33	51.95	74.00	-22.05	peak
4	2483.500	51.88	0.03	51.91	74.00	-22.09	peak
5	2498.100	51.39	0.09	51.48	74.00	-22.52	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:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2437MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



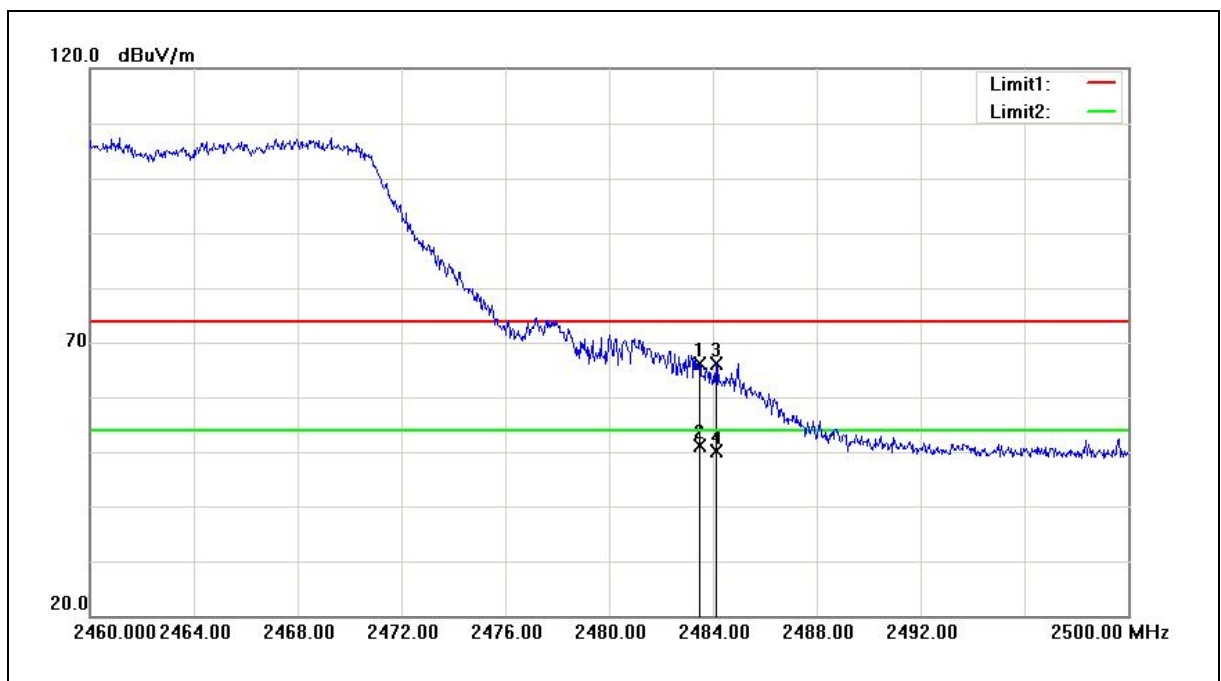
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.090	53.24	-0.33	52.91	74.00	-21.09	peak
2	2388.090	43.88	-0.33	43.55	54.00	-10.45	AVG
3	2390.000	53.13	-0.33	52.80	74.00	-21.20	peak
4	2390.000	43.62	-0.33	43.29	54.00	-10.71	AVG
5	2483.500	55.00	0.03	55.03	74.00	-18.97	peak
6	2483.500	43.70	0.03	43.73	54.00	-10.27	AVG
7	2487.460	58.06	0.04	58.10	74.00	-15.90	peak
8	2487.460	44.18	0.04	44.22	54.00	-9.78	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:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2462MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



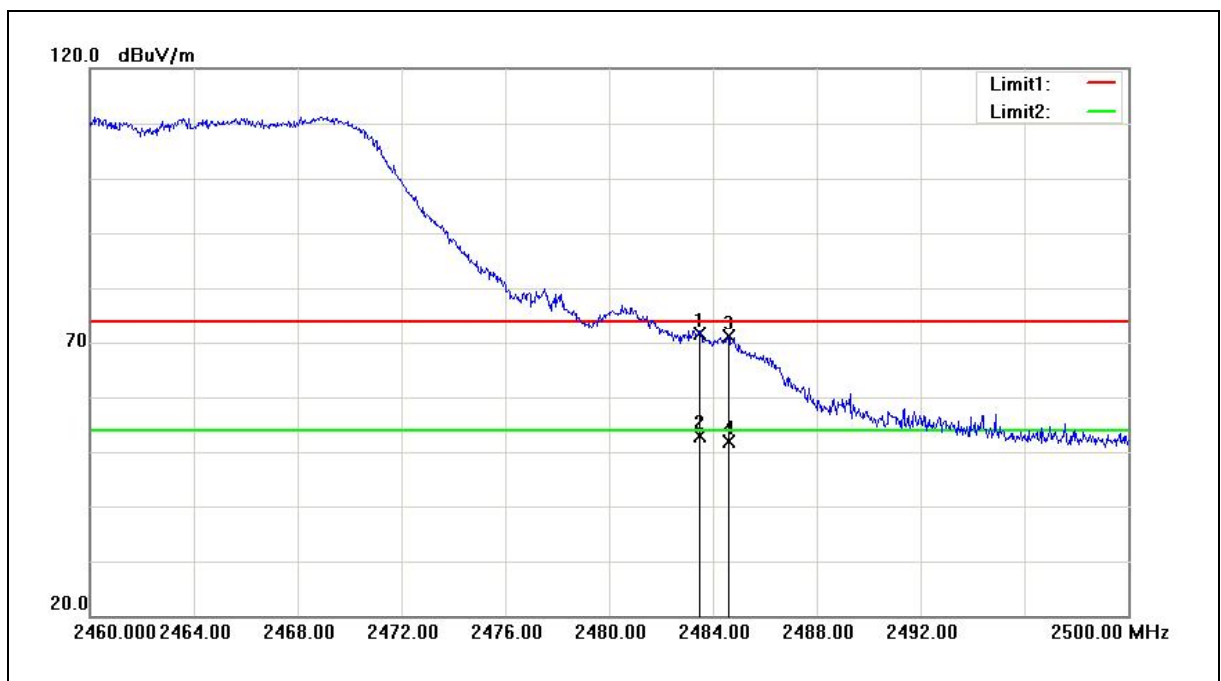
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	66.13	0.03	66.16	74.00	-7.84	peak
2	2483.500	51.11	0.03	51.14	54.00	-2.86	AVG
3	2484.120	66.11	0.03	66.14	74.00	-7.86	peak
4	2484.120	50.16	0.03	50.19	54.00	-3.81	AVG

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2462MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



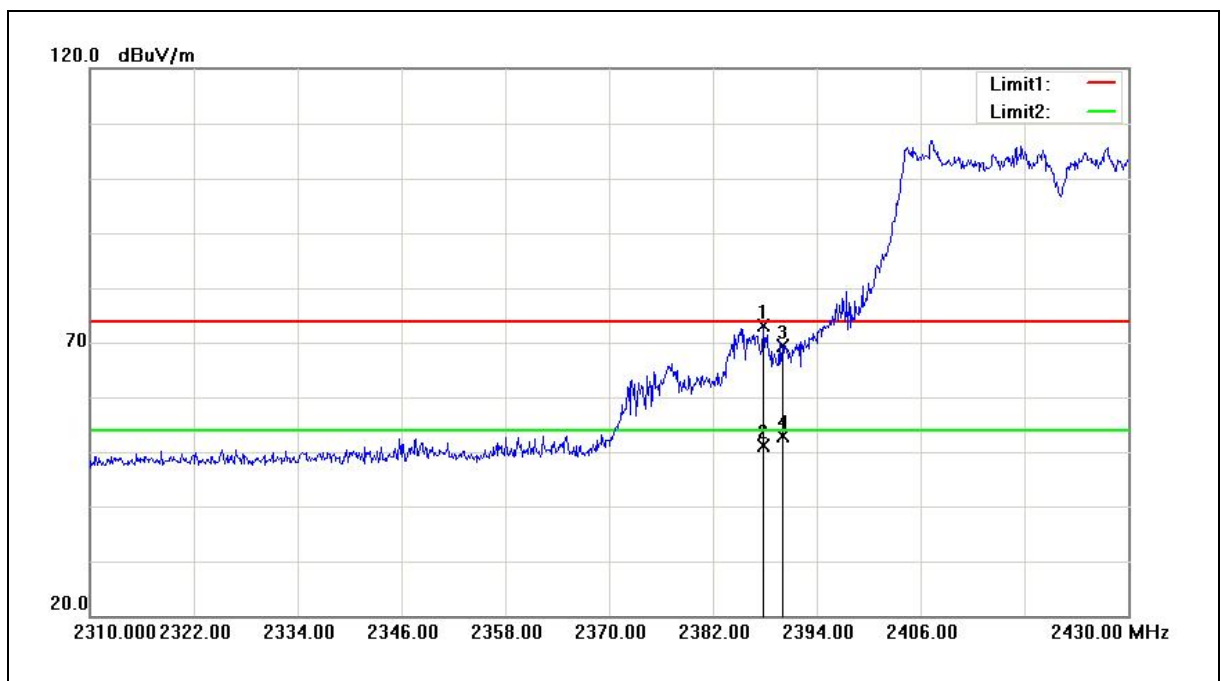
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	71.71	0.03	71.74	74.00	-2.26	peak
2	2483.500	52.90	0.03	52.93	54.00	-1.07	AVG
3	2484.600	71.04	0.03	71.07	74.00	-2.93	peak
4	2484.600	51.73	0.03	51.76	54.00	-2.24	AVG

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:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2422MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



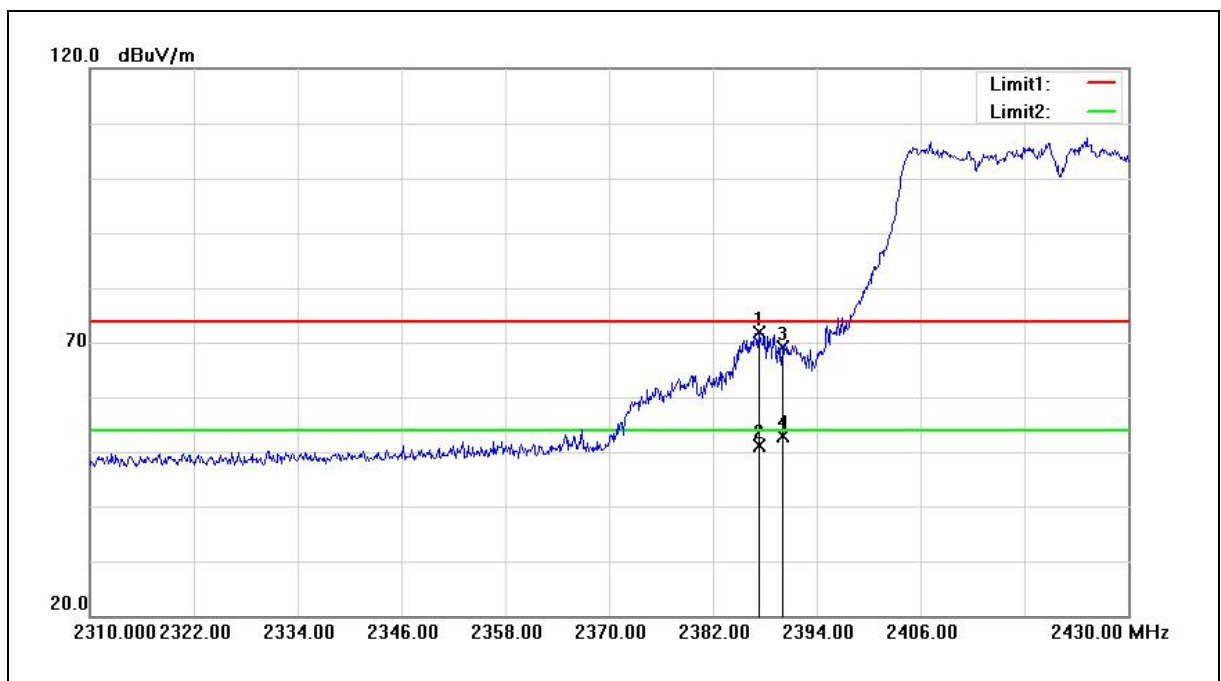
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.880	73.38	-0.33	73.05	74.00	-0.95	peak
2	2387.880	51.49	-0.33	51.16	54.00	-2.84	AVG
3	2390.000	69.81	-0.33	69.48	74.00	-4.52	peak
4	2390.000	53.27	-0.33	52.94	54.00	-1.06	AVG

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2422MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



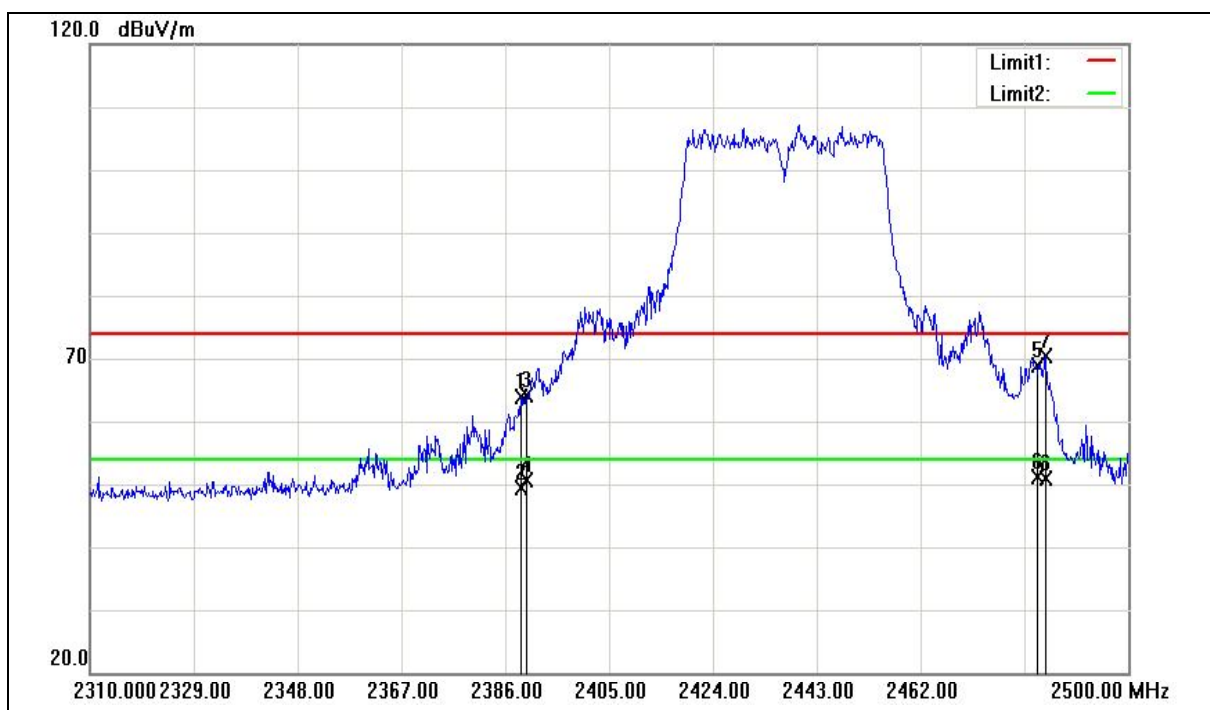
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.280	72.29	-0.33	71.96	74.00	-2.04	peak
2	2387.280	51.35	-0.33	51.02	54.00	-2.98	AVG
3	2390.000	69.53	-0.33	69.20	74.00	-4.80	peak
4	2390.000	53.19	-0.33	52.86	54.00	-1.14	AVG

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2437MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



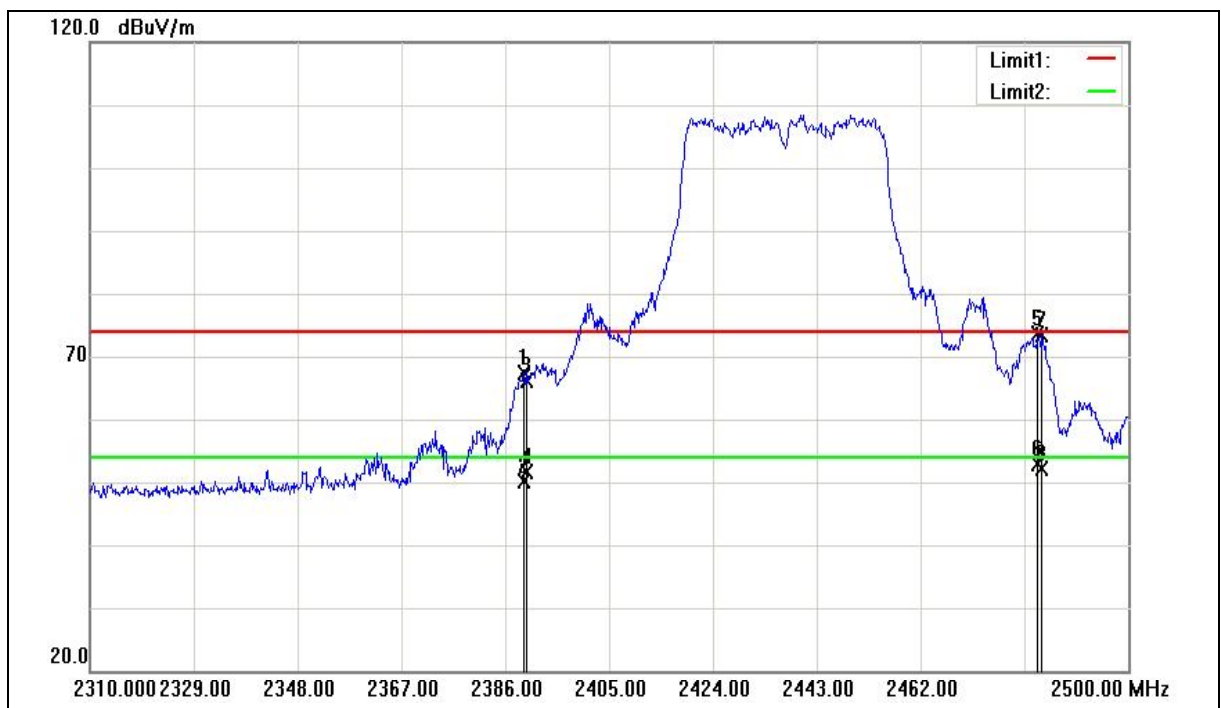
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.850	64.28	-0.33	63.95	74.00	-10.05	peak
2	2388.850	49.62	-0.33	49.29	54.00	-4.71	AVG
3	2390.000	64.39	-0.33	64.06	74.00	-9.94	peak
4	2390.000	50.85	-0.33	50.52	54.00	-3.48	AVG
5	2483.500	68.84	0.03	68.87	74.00	-5.13	peak
6	2483.500	51.06	0.03	51.09	54.00	-2.91	AVG
7	2484.800	70.24	0.03	70.27	74.00	-3.73	peak
8	2484.800	50.90	0.03	50.93	54.00	-3.07	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:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2437MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



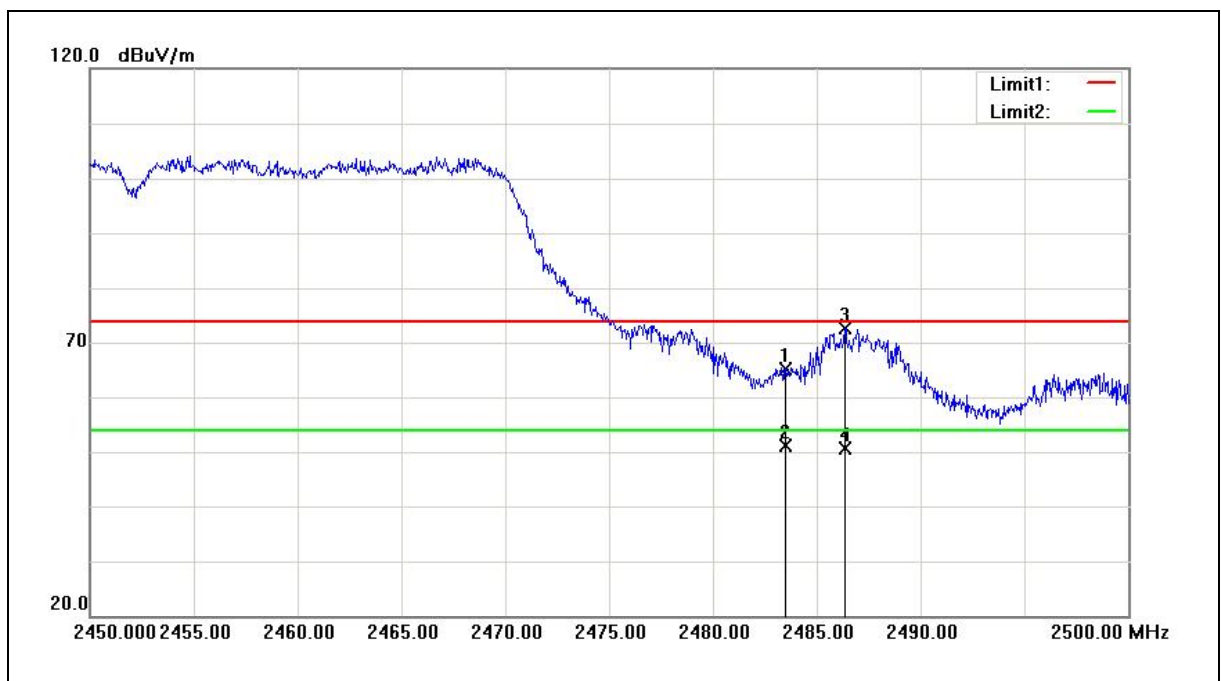
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.420	67.60	-0.33	67.27	74.00	-6.73	peak
2	2389.420	50.58	-0.33	50.25	54.00	-3.75	AVG
3	2390.000	66.54	-0.33	66.21	74.00	-7.79	peak
4	2390.000	51.90	-0.33	51.57	54.00	-2.43	AVG
5	2483.500	73.54	0.03	73.57	74.00	-0.43	peak
6	2483.500	52.84	0.03	52.87	54.00	-1.13	AVG
7	2484.040	73.37	0.03	73.40	74.00	-0.60	peak
8	2484.040	52.06	0.03	52.09	54.00	-1.91	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:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2452MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



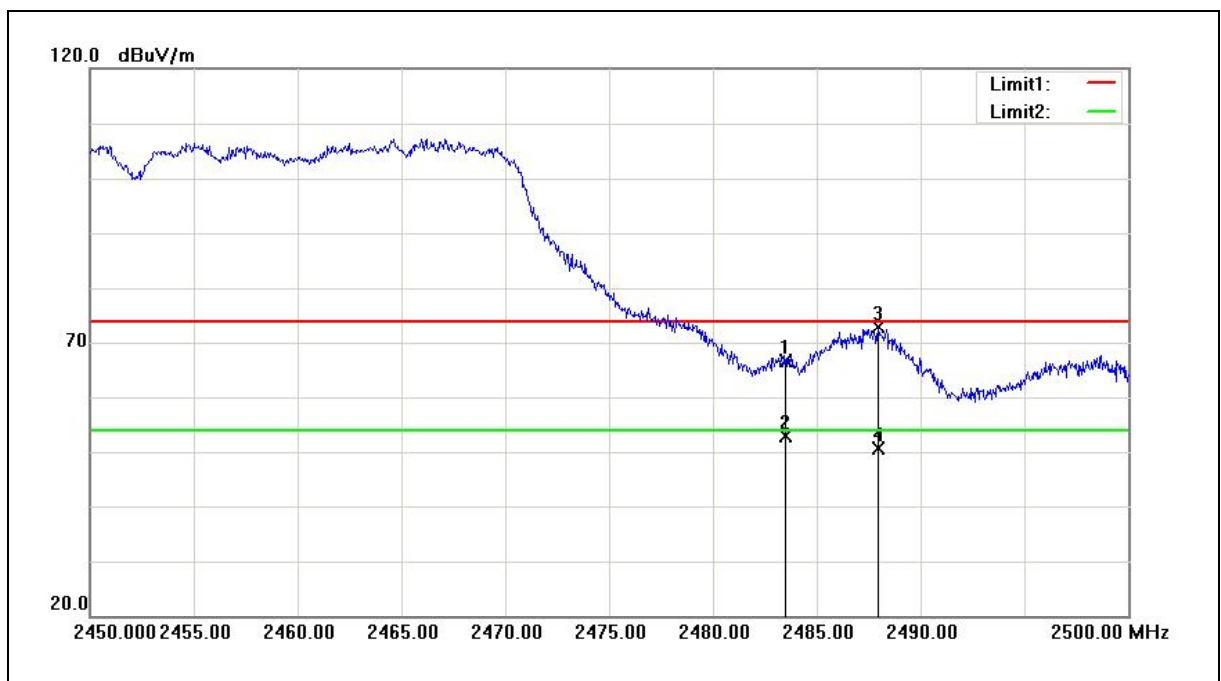
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	65.05	0.03	65.08	74.00	-8.92	peak
2	2483.500	51.13	0.03	51.16	54.00	-2.84	AVG
3	2486.350	72.70	0.03	72.73	74.00	-1.27	peak
4	2486.350	50.64	0.03	50.67	54.00	-3.33	AVG

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:	3m
Test item:	Band edge	Power:	AC 110V/60Hz
Frequency:	2452MHz	Temp.()/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	66.66	0.03	66.69	74.00	-7.31	peak
2	2483.500	52.95	0.03	52.98	54.00	-1.02	AVG
3	2487.950	72.81	0.04	72.85	74.00	-1.15	peak
4	2487.950	50.62	0.04	50.66	54.00	-3.34	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).

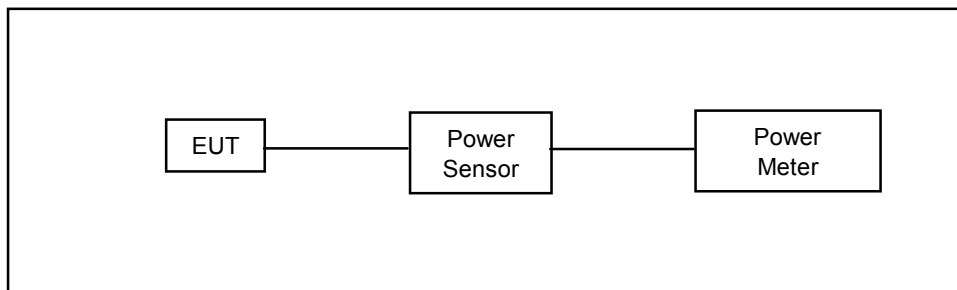
3. When the peak results are less than average limit, so not need to evaluate the average.

4.2.2 峰值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 3.10.1.2(1)(C)節之要求，操作於 2400-2483.5 兆赫(MHz)數位調變技術系統：1 瓦(W)(含)以下

測試架構圖：



- * SISO mode ANT-0 : Max. Gain = 4.84 dBi < 6dBi.
SISO mode ANT-1 : Max. Gain = 3.41 dBi < 6dBi.
SISO mode ANT-2 : Max. Gain = 3.59 dBi < 6dBi.
- * MIMO mode : Directional Gain = $10 \cdot \log\{[10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20}]^2 / N_{ANT}\} = 8.74 \text{ dBi} > 6\text{dBi}$
- * MIMO mode power limit shall be reduced = $30 - 2.74 = 27.26 \text{ dBm}$

測試結果:

Test Item	Maximum Conducted Output Power				
ANT-0					
Test Mode	Frequency (MHz)	Data Rate	Average Output Power		
			Measurement Results		Limit
			dBm	W	dBm
Mode 2	2412	1M	18.88	0.077	< 30
	2437		19.95	0.099	< 30
	2462		19.99	0.100	< 30
	2437	2M	19.94	0.099	< 30
	2437	5.5M	19.92	0.098	< 30
	2437	11M	19.91	0.098	< 30
Mode 3	2412	6M	17.52	0.056	< 30
	2437		18.18	0.066	< 30
	2462		18.63	0.073	< 30
	2437	9M	18.17	0.066	< 30
	2437	12M	18.16	0.065	< 30
	2437	18M	18.14	0.065	< 30
	2437	24M	18.13	0.065	< 30
	2437	36M	18.12	0.065	< 30
	2437	48M	18.10	0.065	< 30
	2437	54M	18.08	0.064	< 30

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

Test Item	Maximum Conducted Output Power				
ANT-0					
Test Mode	Frequency (MHz)	Data Rate	Average Output Power		
			Measurement Results		Limit
			dBm	W	dBm
Mode 4	2412	19.5M	14.76	0.030	< 30
	2437		15.12	0.033	< 30
	2462		15.01	0.032	< 30
	2437	39M	15.10	0.032	< 30
	2437	58.5M	15.09	0.032	< 30
	2437	78M	15.07	0.032	< 30
	2437	117M	15.04	0.032	< 30
	2437	156M	15.01	0.032	< 30
	2437	175.5M	14.97	0.031	< 30
	2437	195M	14.95	0.031	< 30
	2437	234M	14.92	0.031	< 30
Mode 5	2422	40.5M	14.34	0.027	< 30
	2437		14.64	0.029	< 30
	2452		14.57	0.029	< 30
	2437	81M	14.62	0.029	< 30
	2437	121.5M	14.59	0.029	< 30
	2437	162M	14.56	0.029	< 30
	2437	243M	14.53	0.028	< 30
	2437	324M	14.51	0.028	< 30
	2437	364.5M	14.48	0.028	< 30
	2437	135M	14.45	0.028	< 30
	2437	486M	14.43	0.028	< 30
	2437	540M	14.41	0.028	< 30

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

Test Item	Maximum Conducted Output Power				
ANT-1					
Test Mode	Frequency (MHz)	Data Rate	Average Output Power		
			Measurement Results		Limit
			dBm	W	dBm
Mode 4	2412	19.5M	10.32	0.011	< 30
	2437		10.92	0.012	< 30
	2462		10.69	0.012	< 30
	2437	39M	10.87	0.012	< 30
	2437	58.5M	10.85	0.012	< 30
	2437	78M	10.83	0.012	< 30
	2437	117M	10.80	0.012	< 30
	2437	156M	10.78	0.012	< 30
	2437	175.5M	10.75	0.012	< 30
	2437	195M	10.72	0.012	< 30
	2437	234M	10.70	0.012	< 30
Mode 5	2422	40.5M	9.68	0.009	< 30
	2437		9.48	0.009	< 30
	2452		9.69	0.009	< 30
	2437	81M	9.46	0.009	< 30
	2437	121.5M	9.43	0.009	< 30
	2437	162M	9.41	0.009	< 30
	2437	243M	9.38	0.009	< 30
	2437	324M	9.36	0.009	< 30
	2437	364.5M	9.33	0.009	< 30
	2437	135M	9.31	0.009	< 30
	2437	486M	9.27	0.008	< 30
	2437	540M	9.24	0.008	< 30

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

Test Item	Maximum Conducted Output Power				
ANT-2					
Test Mode	Frequency (MHz)	Data Rate	Average Output Power		
			Measurement Results		Limit
			dBm	W	dBm
Mode 4	2412	19.5M	14.94	0.031	< 30
	2437		15.26	0.034	< 30
	2462		15.15	0.033	< 30
	2437	39M	15.24	0.033	< 30
	2437	58.5M	15.21	0.033	< 30
	2437	78M	15.18	0.033	< 30
	2437	117M	15.16	0.033	< 30
	2437	156M	15.14	0.033	< 30
	2437	175.5M	15.11	0.032	< 30
	2437	195M	15.09	0.032	< 30
	2437	234M	15.06	0.032	< 30
Mode 5	2422	40.5M	14.44	0.028	< 30
	2437		14.68	0.029	< 30
	2452		14.65	0.029	< 30
	2437	81M	14.65	0.029	< 30
	2437	121.5M	14.63	0.029	< 30
	2437	162M	14.61	0.029	< 30
	2437	243M	14.58	0.029	< 30
	2437	324M	14.56	0.029	< 30
	2437	364.5M	14.53	0.028	< 30
	2437	135M	14.52	0.028	< 30
	2437	486M	14.49	0.028	< 30
	2437	540M	14.47	0.028	< 30

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

Test Item	Maximum Conducted Output Power				
ANT-0+1+2					
Test Mode	Frequency (MHz)	Data Rate	Average Output Power		
			Measurement Results		Limit
			dBm	W	dBm
Mode 4	2412	19.5M	18.57	0.072	< 27.26
	2437		18.95	0.078	< 27.26
	2462		18.82	0.076	< 27.26
	2437	39M	18.92	0.078	< 27.26
	2437	58.5M	18.90	0.078	< 27.26
	2437	78M	18.88	0.077	< 27.26
	2437	117M	18.85	0.077	< 27.26
	2437	156M	18.83	0.076	< 27.26
	2437	175.5M	18.79	0.076	< 27.26
	2437	195M	18.77	0.075	< 27.26
	2437	234M	18.74	0.075	< 27.26
Mode 5	2422	40.5M	18.08	0.064	< 27.26
	2437		18.28	0.067	< 27.26
	2452		18.27	0.067	< 27.26
	2437	81M	18.26	0.067	< 27.26
	2437	121.5M	18.23	0.067	< 27.26
	2437	162M	18.21	0.066	< 27.26
	2437	243M	18.18	0.066	< 27.26
	2437	324M	18.16	0.065	< 27.26
	2437	364.5M	18.13	0.065	< 27.26
	2437	135M	18.11	0.065	< 27.26
	2437	486M	18.08	0.064	< 27.26
	2437	540M	18.06	0.064	< 27.26

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

4.2.3 天線規格之要求

合格標準:

依據 NCC 低功率射頻電機技術規範(LP0002)之 3.10.1.3(3)節之要求,除 3.10.1.3(1)及 3.10.1.3(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限制值。

依據 NCC 低功率射頻電機技術規範(LP0002)之 3.10.1.4 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

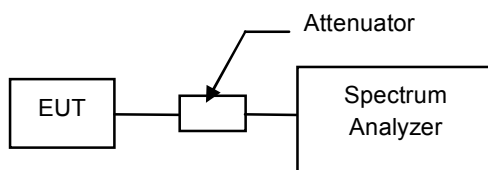
ANT	廠牌	型號	型態	增益值(dBi)
ANT-0	LYNwave	ALU150-222030	PIFA antenna	4.84
ANT-1	LYNwave	ALA110-221020-056010	PCB antenna	3.41
ANT-2	LYNwave	ALU150-222030	PIFA antenna	3.59

4.2.4 非必要頻帶之量測

合格標準：

發射限制：使用頻帶範圍外之任意 100 千赫 (kHz)內，發射器所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫 (kHz)內的射頻功率，須衰減 20 分貝(dB)，以射頻傳導或輻射方式測量。

測試架構圖：

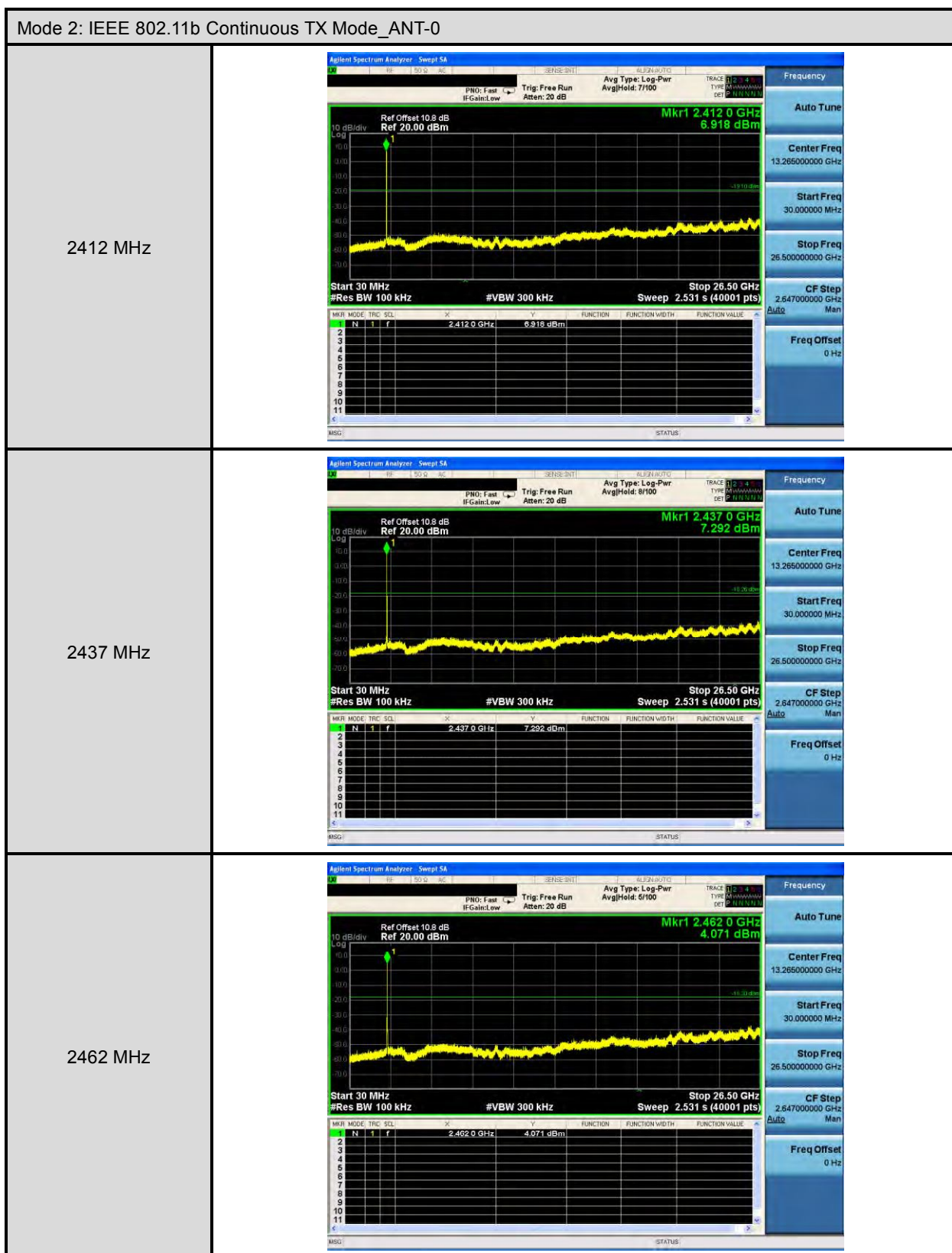


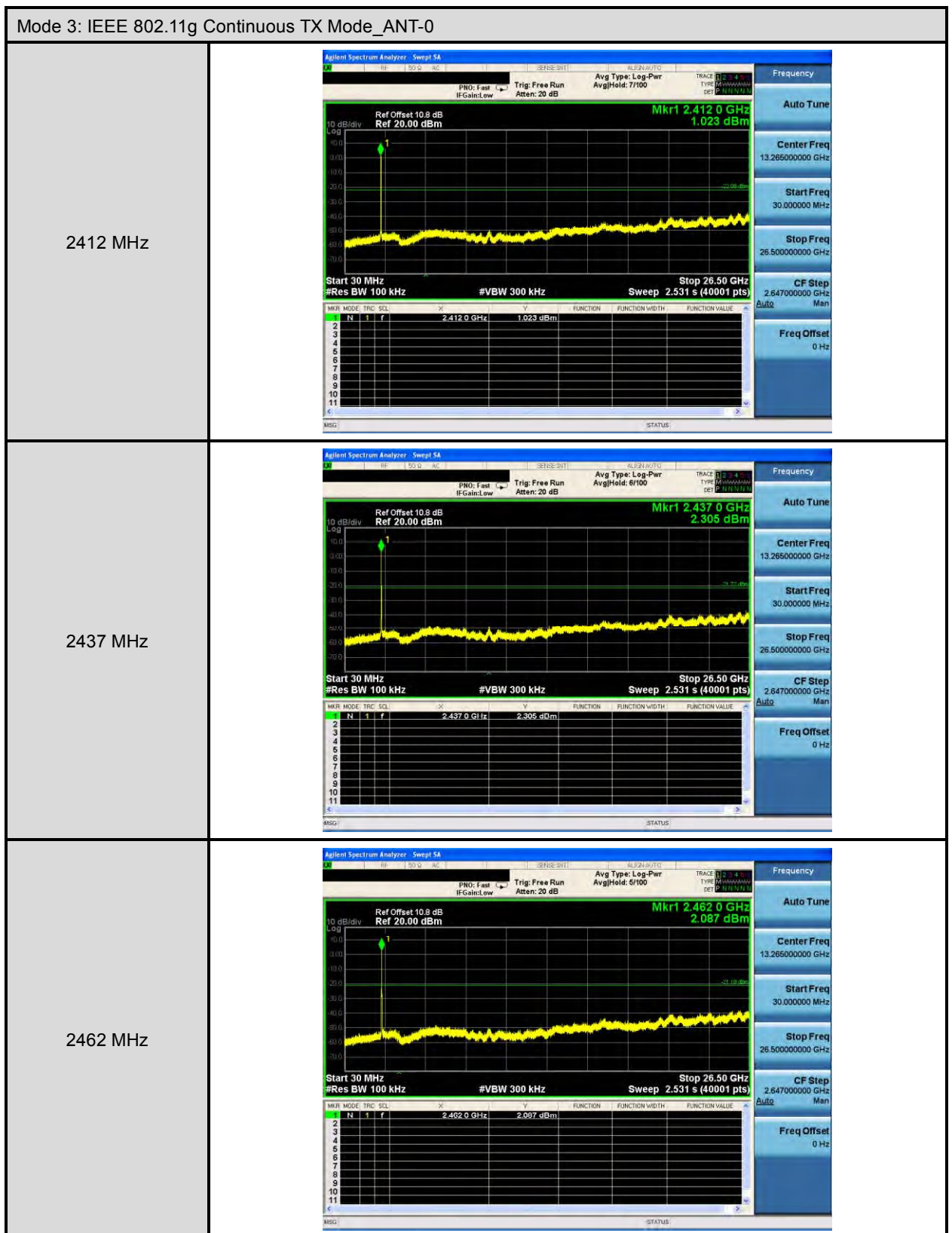
測試結果：

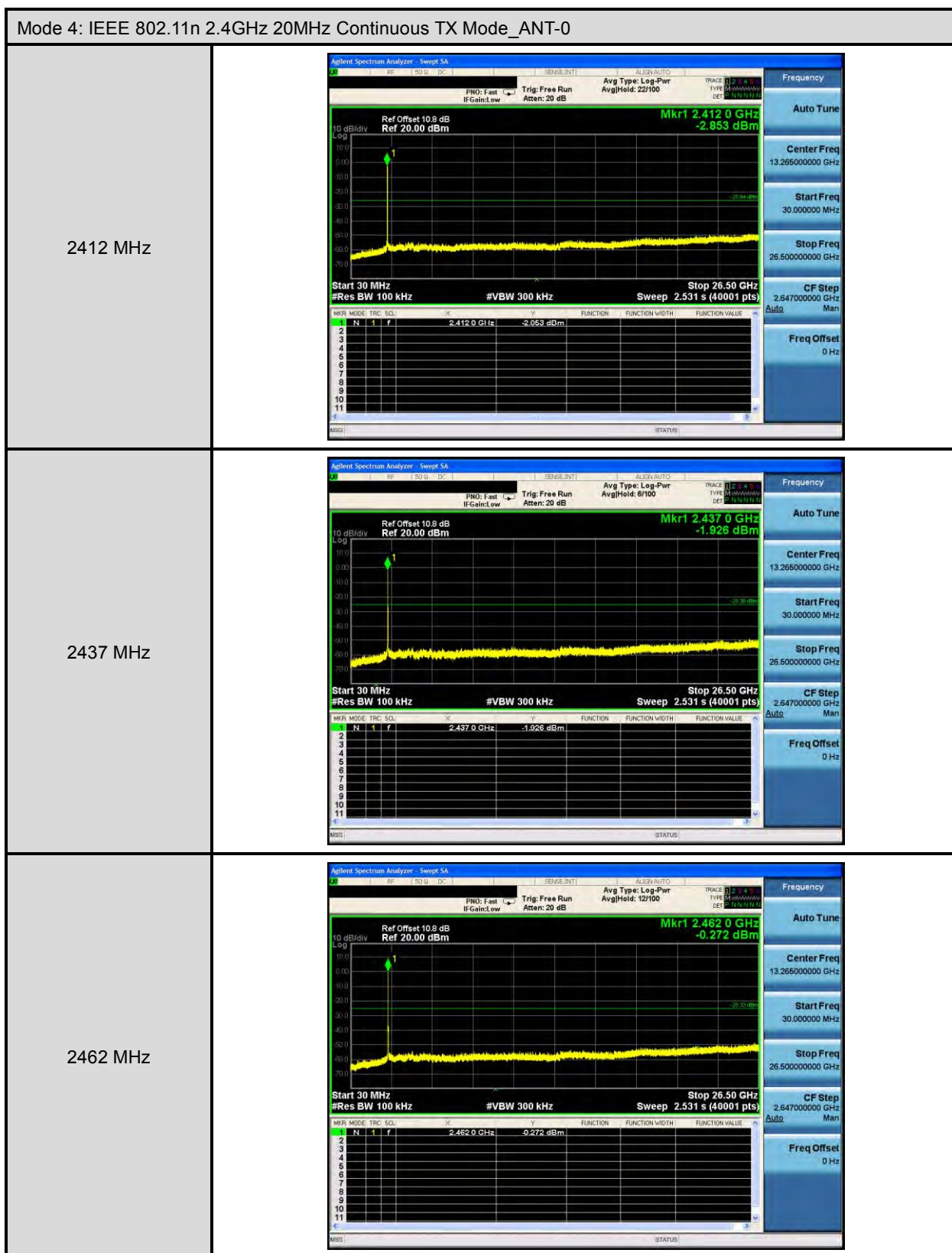
操作模式	: Mode 2 / Mode 3 / Mode 4 / Mode 5
測試結果	: 合格
量測之結果掃圖如下頁所示	

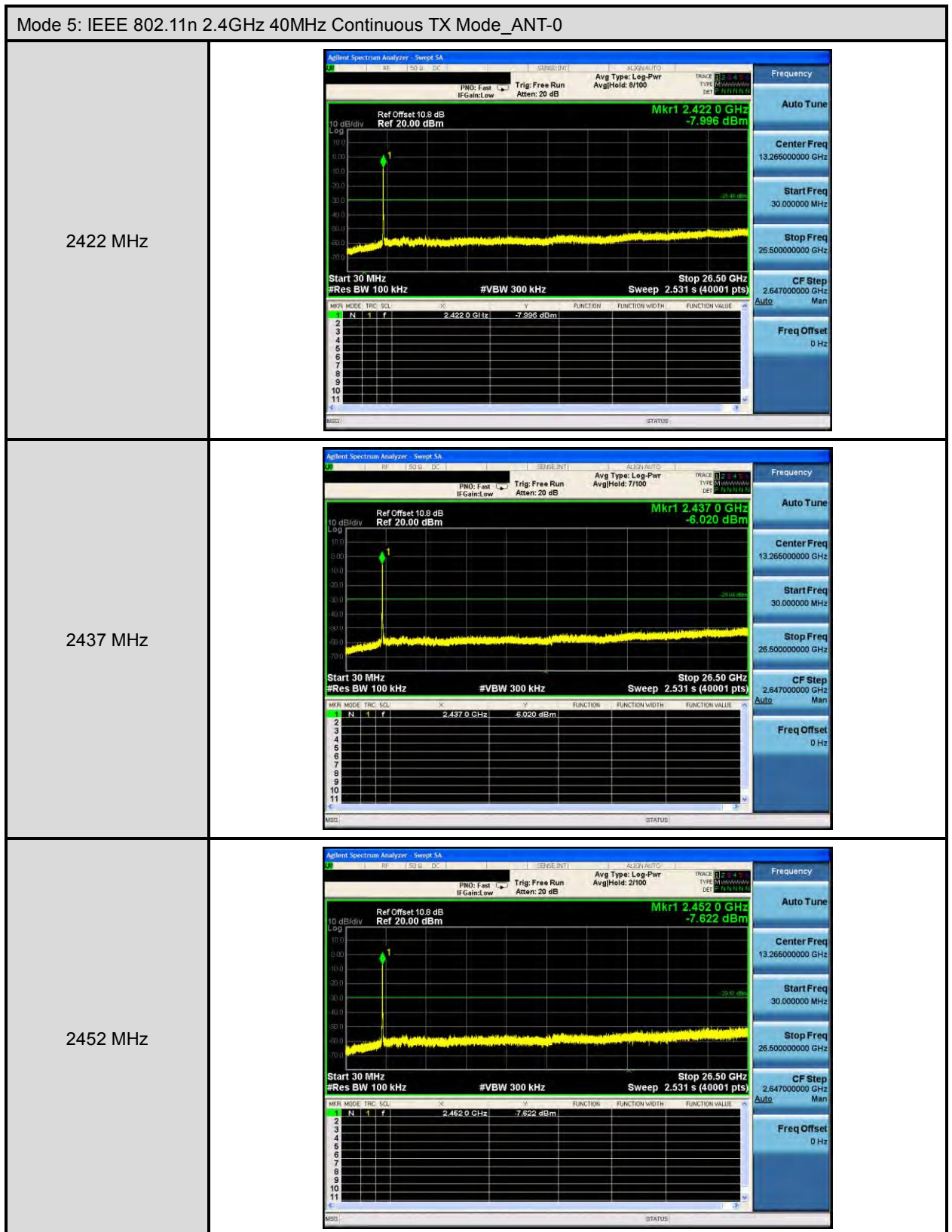
附註 1: 於使用頻帶範圍之任意 100 千赫 (kHz)內，發射器所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫 (kHz)內的射頻功率，衰減 20 分貝(dB)以上，符合規定。

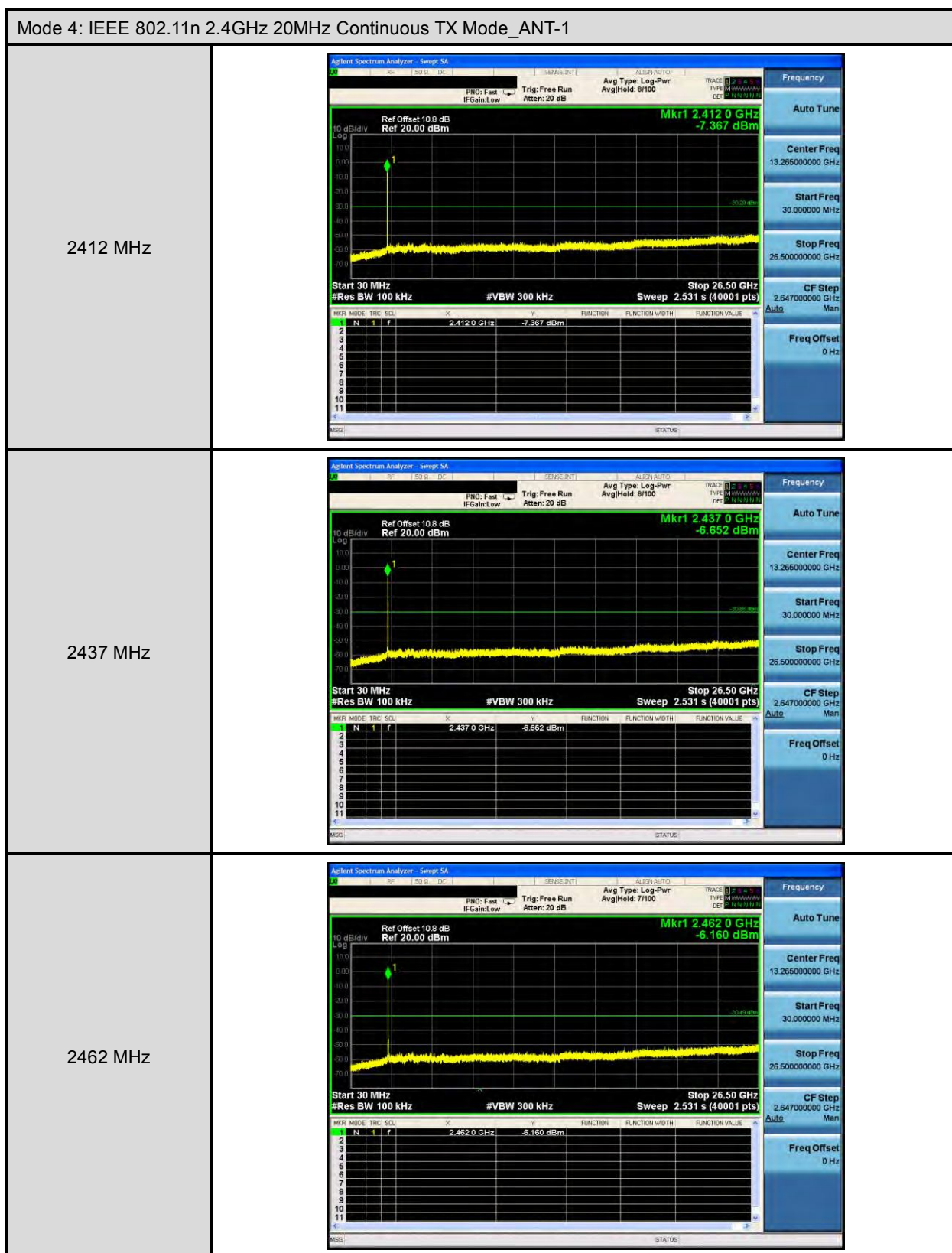
附註 2: 測試結果頻帶外之輻射雜訊皆小於主頻 TX 20dB。

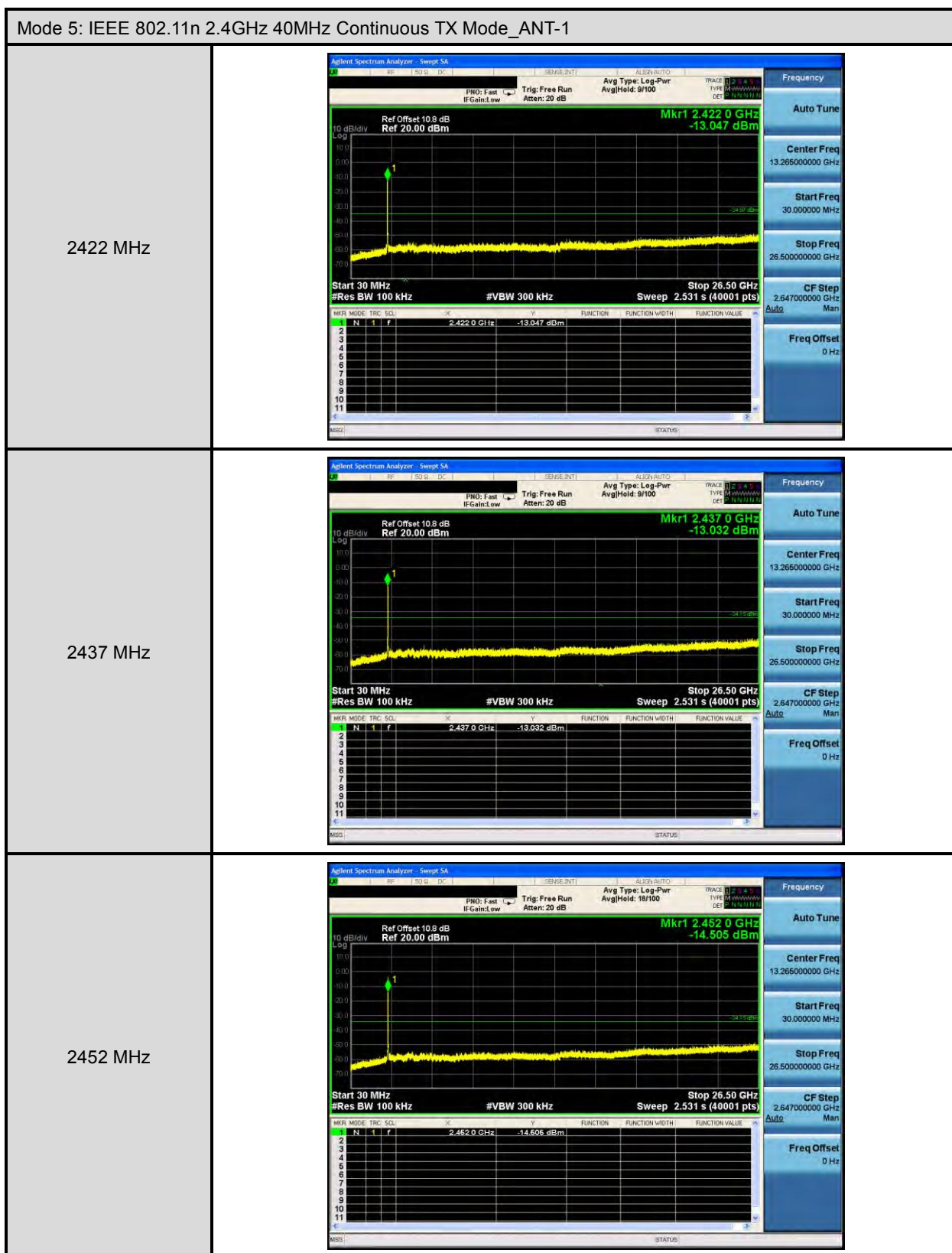




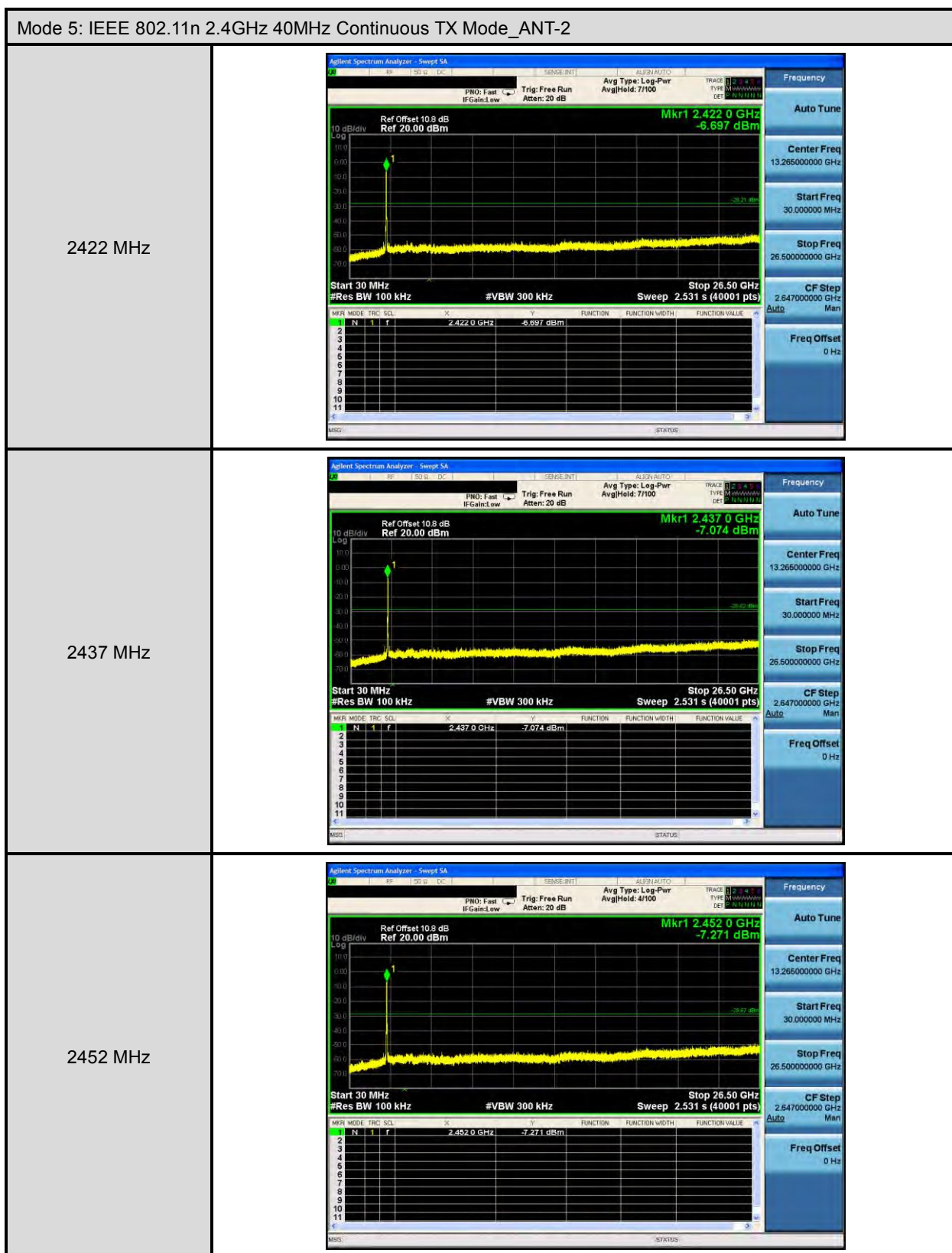










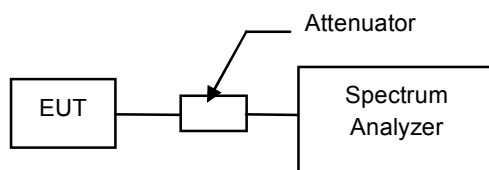


4.2.5 6dB頻寬之要求

合格標準：

依據 NCC 低功率射頻電機技術規範 3.10.1.6(2)(A)節之要求，對使用數位調變技術(Digital Modulation Techniques)系統而言，6dB 頻寬至少應有 500 千赫(kHz)。

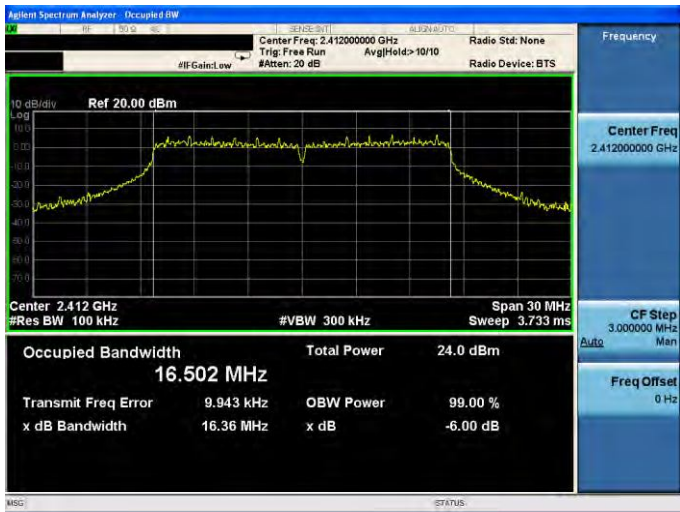
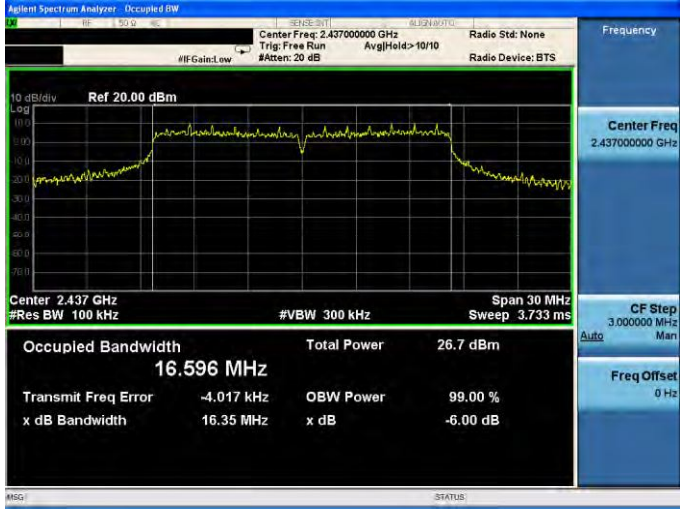
測試架構圖：



測試結果：

Test Item	6dB RF Bandwidth				
Test Mode	Frequency (MHz)	Measurement (kHz)			Limit (kHz)
		ANT-0	ANT-1	ANT-2	
Mode 2	2412	10060	---	---	> 500
	2437	10080	---	---	> 500
	2462	10060	---	---	> 500
Mode 3	2412	16360	---	---	> 500
	2437	16350	---	---	> 500
	2462	16360	---	---	> 500
Mode 4	2412	17570	17590	17590	> 500
	2437	17560	17590	17580	> 500
	2462	17560	17580	17580	> 500
Mode 5	2422	36270	36280	36340	> 500
	2437	36280	36300	36300	> 500
	2452	36290	36320	36340	> 500

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0	
2412 MHz	
2437 MHz	
2462 MHz	

Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0	
2412 MHz	 Agilent Spectrum Analyzer: Occupied BW Center Freq: 2.41200000 GHz Trig: Free Run #IF Gain: Low #Atten: 20 dB Avg: Hold > 10/10 Radio Std: None Radio Device: BTS Frequency: 2.41200000 GHz Center Freq: 2.41200000 GHz CF Step: 3.000000 MHz Auto Man Freq Offset: 0 Hz Center: 2.412 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 3.733 ms Occupied Bandwidth: 16.502 MHz Total Power: 24.0 dBm Transmit Freq Error: 9.943 kHz OBW Power: 99.00 % x dB Bandwidth: 16.36 MHz x dB: -6.00 dB MSG: STATUS:
2437 MHz	 Agilent Spectrum Analyzer: Occupied BW Center Freq: 2.43700000 GHz Trig: Free Run #IF Gain: Low #Atten: 20 dB Avg: Hold > 10/10 Radio Std: None Radio Device: BTS Frequency: 2.43700000 GHz Center Freq: 2.43700000 GHz CF Step: 3.000000 MHz Auto Man Freq Offset: 0 Hz Center: 2.437 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 3.733 ms Occupied Bandwidth: 16.596 MHz Total Power: 26.7 dBm Transmit Freq Error: -4.017 kHz OBW Power: 99.00 % x dB Bandwidth: 16.35 MHz x dB: -6.00 dB MSG: STATUS:
2462 MHz	 Agilent Spectrum Analyzer: Occupied BW Center Freq: 2.46200000 GHz Trig: Free Run #IF Gain: Low #Atten: 20 dB Avg: Hold > 10/10 Radio Std: None Radio Device: BTS Frequency: 2.46200000 GHz Center Freq: 2.46200000 GHz CF Step: 3.000000 MHz Auto Man Freq Offset: 0 Hz Center: 2.462 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 3.733 ms Occupied Bandwidth: 16.654 MHz Total Power: 26.9 dBm Transmit Freq Error: -32.942 kHz OBW Power: 99.00 % x dB Bandwidth: 16.36 MHz x dB: -6.00 dB MSG: STATUS:

Mode 4: IEEE 802.11n 2.4GHz 20MHz Continuous TX Mode_ANT-0	
2412 MHz	
2437 MHz	
2462 MHz	