

附錄一

受測裝置之測試結果

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1. 場強輻射之量測

對受測物裝置之其他不必要之發射(測至 40GHz)依下列測試模式分別於電波暗室內進行量測，選擇低、中、高頻率來進行量測，並將下列測試模式之測試數據隨案件所附。所得讀值資料請見章節 1.1~1.2：

支援 IEEE 802.11a/n/ac，依測試要求評估低、中、高頻率，並檢附三頻率之最差模式於此測試報告中。

無線模組: WM-BAC-AT-49

模式	動作狀態	基本頻率		量測頻率範圍
802.11a	發射	U-NII I	5200MHz*	30-1000MHz
				1000-40000MHz
		U-NII II	5320MHz	1000-40000MHz
		U-NII III	5580MHz	
802.11n-HT20	發射	U-NII IV	5825MHz	1000-40000MHz
		U-NII I	5180MHz	
		U-NII II	5320MHz	
		U-NII III	5580MHz	
802.11n-HT40	發射	U-NII IV	5745MHz	1000-40000MHz
		U-NII I	5190MHz	
		U-NII II	5310MHz	
		U-NII III	5670MHz	
802.11ac-VHT80	發射	U-NII IV	5795MHz	1000-40000MHz
		U-NII I	5210MHz	
		U-NII II	5290MHz	
		U-NII III	5530MHz	
---	接收	U-NII IV	5775MHz	1000-40000MHz
		U-NII I	5200MHz	

註: *: 經評估後，以最差頻率進行 30-1000MHz 量測。

無線模組: LBEE5ZZ1PJ

模式	動作狀態	基本頻率		量測頻率範圍
802.11a	發射	U-NII I	5200MHz	1000-40000MHz
		U-NII II	5300MHz	
		U-NII III	5500MHz	
		U-NII IV	5785MHz	
802.11n-HT20	發射	U-NII I	5240MHz	1000-40000MHz
		U-NII II	5300MHz	
		U-NII III	5580MHz*	30-1000MHz
		U-NII IV	5825MHz	1000-40000MHz
802.11n-HT40	發射	U-NII I	5230MHz	1000-40000MHz
		U-NII II	5270MHz	
		U-NII III	5590MHz	
		U-NII IV	5795MHz	
---	接收	U-NII III	5580MHz	30-1000MHz
				1000-40000MHz

註: *: 經評估後，以最差頻率進行 30-1000MHz 量測。

對受測物裝置落於低功率射頻器材技術規範第 3.5 章節的禁用頻帶之混附發射以下列測試模式依規定分別進行量測，所得量測資料請見章節 1.3。

無線模組: WM-BAC-AT-49

模式	動作狀態	基本頻率		量測頻率範圍
802.11a	發射	U-NII I	5180MHz	5100-5200MHz
		U-NII II	5320MHz	5300-5460MHz
		U-NII III	5500MHz	5420-5520MHz
			5700MHz	5680-5760MHz
802.11n-HT20	發射	U-NII I	5180MHz	5100-5200MHz
		U-NII II	5320MHz	5300-5460MHz
		U-NII III	5500MHz	5420-5520MHz
			5700MHz	5680-5760MHz
802.11n-HT40	發射	U-NII I	5190MHz	5100-5210MHz
		U-NII II	5310MHz	5290-5460MHz
		U-NII III	5510MHz	5420-5530MHz
			5670MHz	5650-5760MHz
802.11ac-VHT80	發射	U-NII I	5210MHz	5100-5250MHz
		U-NII II	5290MHz	5250-5460MHz
		U-NII III	5530MHz	5420-5570MHz

無線模組: LBEE5ZZ1PJ

模式	動作狀態	基本頻率		量測頻率範圍
802.11a	發射	U-NII I	5180MHz	5100-5200MHz
		U-NII II	5320MHz	5300-5460MHz
		U-NII III	5500MHz	5420-5520MHz
			5700MHz	5680-5760MHz
802.11n-HT20	發射	U-NII I	5180MHz	5100-5200MHz
		U-NII II	5320MHz	5300-5460MHz
		U-NII III	5500MHz	5420-5520MHz
			5700MHz	5680-5760MHz
802.11n-HT40	發射	U-NII I	5190MHz	5100-5210MHz
		U-NII II	5310MHz	5290-5460MHz
		U-NII III	5510MHz	5420-5530MHz
			5670MHz	5650-5760MHz

測試日期	2021/07/09 ~ 16	環境溫/濕度	26°C/60 ~ 62%
測試電壓	AC 110V, 60Hz (經電源供應器供電)	測試人員	Sam Chang

1.1. 30-1000MHz 頻率範圍，其他不必要發射量測

無線模組	WM-BAC-AT-49
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Mode	802.11a	U-NII Band	I
		Frequency	TX 5200MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
148.340	19.67	1.05	32.50	46.55	34.77	43.50	8.73	Peak
199.750	16.60	1.21	32.46	49.23	34.58	43.50	8.92	Peak
319.060	20.50	1.60	32.47	40.64	30.27	46.00	15.73	Peak
482.990	23.85	2.16	32.43	37.28	30.86	46.00	15.14	Peak
828.310	28.93	3.05	31.98	41.86	41.86	46.00	4.14	Peak
968.960	30.33	3.22	31.07	37.53	40.01	54.00	13.99	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
48.430	20.35	0.66	32.65	48.79	37.15	40.00	2.85	Peak
103.720	15.43	0.90	32.55	45.35	29.13	43.50	14.37	Peak
142.520	19.43	1.03	32.51	43.31	31.26	43.50	12.24	Peak
191.990	17.18	1.19	32.47	48.21	34.11	43.50	9.39	Peak
664.380	27.32	2.71	32.36	40.29	37.96	46.00	8.04	Peak
827.340	28.93	3.05	32.01	35.09	35.06	46.00	10.94	Peak

Mode	---	U-NII Band	I
		Frequency	RX 5200MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
143.490	19.47	1.03	32.51	46.20	34.19	43.50	9.31	Peak
199.750	16.60	1.21	32.46	48.75	34.10	43.50	9.40	Peak
309.360	20.23	1.57	32.47	41.78	31.11	46.00	14.89	Peak
482.990	23.85	2.16	32.43	37.80	31.38	46.00	14.62	Peak
831.220	28.96	3.05	31.98	41.29	41.32	46.00	4.68	Peak
940.830	30.08	3.18	31.37	38.32	40.21	46.00	5.79	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
47.460	20.34	0.66	32.65	48.84	37.19	40.00	2.81	Peak
103.720	15.43	0.90	32.55	45.95	29.73	43.50	13.77	Peak
148.340	19.67	1.05	32.50	43.43	31.65	43.50	11.85	Peak
191.990	17.18	1.19	32.47	48.49	34.39	43.50	9.11	Peak
665.350	27.35	2.71	32.36	42.29	39.99	46.00	6.01	Peak
828.310	28.93	3.05	31.98	35.71	35.71	46.00	10.29	Peak

無線模組	LBEE5ZZ1PJ
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Mode	802.11n-HT20	U-NII Band	III
		Frequency	TX 5580MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
144.460	19.51	1.04	32.51	46.20	34.24	43.50	9.26	Peak
199.750	16.60	1.21	32.46	48.64	33.99	43.50	9.51	Peak
399.570	22.40	1.88	32.45	38.79	30.62	46.00	15.38	Peak
482.990	23.85	2.16	32.43	38.20	31.78	46.00	14.22	Peak
828.310	28.93	3.05	31.98	41.73	41.73	46.00	4.27	Peak
981.570	30.46	3.24	30.99	37.58	40.29	54.00	13.71	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
47.460	20.34	0.66	32.65	49.12	37.47	40.00	2.53	Peak
103.720	15.43	0.90	32.55	45.14	28.92	43.50	14.58	Peak
138.640	19.26	1.02	32.51	42.67	30.44	43.50	13.06	Peak
191.990	17.18	1.19	32.47	48.94	34.84	43.50	8.66	Peak
665.350	27.35	2.71	32.36	42.23	39.93	46.00	6.07	Peak
885.540	29.51	3.10	31.75	37.96	38.82	46.00	7.18	Peak

Mode	---	U-NII Band	III
		Frequency	RX 5580MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
143.490	19.47	1.03	32.51	46.43	34.42	43.50	9.08	Peak
180.350	18.01	1.15	32.47	48.94	35.63	43.50	7.87	Peak
227.880	17.55	1.30	32.46	45.23	31.62	46.00	14.38	Peak
482.990	23.85	2.16	32.43	39.01	32.59	46.00	13.41	Peak
828.310	28.93	3.05	31.98	41.11	41.11	46.00	4.89	Peak
960.230	30.24	3.21	31.15	37.42	39.72	54.00	14.28	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
47.460	20.34	0.66	32.65	49.53	37.88	40.00	2.12	Peak
103.720	15.43	0.90	32.55	45.03	28.81	43.50	14.69	Peak
138.640	19.26	1.02	32.51	43.32	31.09	43.50	12.41	Peak
189.080	17.38	1.18	32.47	48.02	34.11	43.50	9.39	Peak
666.320	27.35	2.71	32.36	41.83	39.53	46.00	6.47	Peak
828.310	28.93	3.05	31.98	35.18	35.18	46.00	10.82	Peak

1.2. 1000MHz 以上頻率範圍，其他不必要發射量測

頻率範圍量測至 40GHz，其他未列在報告上乃因訊號太小無法量測。

無線模組	WM-BAC-AT-49
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Mode	802.11a	U-NII Band	I
		Frequency	TX 5200MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10400.000	37.60	14.90	34.78	29.71	47.43	54.00	6.57	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10400.000	37.60	14.90	34.78	30.62	48.34	54.00	5.66	Peak

Mode	802.11a	U-NII Band	II
		Frequency	TX 5320MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10640.000	37.90	15.05	34.66	30.02	48.31	54.00	5.69	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10640.000	37.90	15.05	34.66	29.54	47.83	54.00	6.17	Peak

Mode	802.11a	U-NII Band	III
		Frequency	TX 5580MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11160.000	38.13	15.36	34.57	29.20	48.12	54.00	5.88	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11160.000	38.13	15.36	34.57	28.98	47.90	54.00	6.10	Peak

Mode	802.11a	U-NII Band	IV
		Frequency	TX 5825MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11650.000	38.50	15.77	34.62	30.48	50.13	54.00	3.87	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11650.000	38.50	15.77	34.62	31.40	51.05	54.00	2.95	Peak

Mode	802.11n-HT20	U-NII Band	I
		Frequency	TX 5180MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10360.000	37.60	14.90	34.83	29.79	47.46	54.00	6.54	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10360.000	37.60	14.90	34.83	30.73	48.40	54.00	5.60	Peak

Mode	802.11n-HT20	U-NII Band	II
		Frequency	TX 5320MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10640.000	37.90	15.05	34.66	29.89	48.18	54.00	5.82	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10640.000	37.90	15.05	34.66	30.30	48.59	54.00	5.41	Peak

Mode	802.11n-HT20	U-NII Band	III
		Frequency	TX 5580MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11160.000	38.13	15.36	34.57	30.35	49.27	54.00	4.73	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11160.000	38.13	15.36	34.57	30.10	49.02	54.00	4.98	Peak

Mode	802.11n-HT20	U-NII Band	IV
		Frequency	TX 5745MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11490.000	38.40	15.65	34.59	30.31	49.77	54.00	4.23	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11490.000	38.40	15.65	34.59	29.58	49.04	54.00	4.96	Peak

Mode	802.11n-HT40	U-NII Band	I
		Frequency	TX 5190MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10380.000	37.60	14.90	34.81	30.05	47.74	54.00	6.26	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10380.000	37.60	14.90	34.81	29.86	47.55	54.00	6.45	Peak

Mode	802.11n-HT40	U-NII Band	II
		Frequency	TX 5310MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10620.000	37.90	15.05	34.66	29.30	47.59	54.00	6.41	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10620.000	37.90	15.05	34.66	29.61	47.90	54.00	6.10	Peak

Mode	802.11n-HT40	U-NII Band	III
		Frequency	TX 5670MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11340.000	38.27	15.53	34.58	28.93	48.15	54.00	5.85	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11340.000	38.27	15.53	34.58	28.65	47.87	54.00	6.13	Peak

Mode	802.11n-HT40	U-NII Band	IV
		Frequency	TX 5795MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11590.000	38.50	15.71	34.61	29.27	48.87	54.00	5.13	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11590.000	38.50	15.71	34.61	30.26	49.86	54.00	4.14	Peak

Mode	802.11ac-VHT80	U-NII Band	I
		Frequency	TX 5210MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10420.000	37.65	14.94	34.78	29.78	47.59	54.00	6.41	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10420.000	37.65	14.94	34.78	30.07	47.88	54.00	6.12	Peak

Mode	802.11ac-VHT80	U-NII Band	II
		Frequency	TX 5290MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10580.000	37.87	15.02	34.67	29.56	47.78	54.00	6.22	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10580.000	37.87	15.02	34.67	29.52	47.74	54.00	6.26	Peak

Mode	802.11ac-VHT80	U-NII Band	III
		Frequency	TX 5530MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11060.000	38.07	15.30	34.56	29.36	48.17	54.00	5.83	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11060.000	38.07	15.30	34.56	28.92	47.73	54.00	6.27	Peak

Mode	802.11ac-VHT80	U-NII Band	IV
		Frequency	TX 5775MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11550.000	38.43	15.71	34.60	29.06	48.60	54.00	5.40	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11550.000	38.43	15.71	34.60	30.75	50.29	54.00	3.71	Peak

Mode	---	U-NII Band	I
		Frequency	RX 5200MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10400.000	37.60	14.90	34.78	29.36	47.08	54.00	6.92	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10400.000	37.60	14.90	34.78	29.91	47.63	54.00	6.37	Peak

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Mode	802.11a	U-NII Band	I
		Frequency	TX 5200MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10400.000	37.60	14.90	34.78	30.80	48.52	54.00	5.48	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10400.000	37.60	14.90	34.78	30.55	48.27	54.00	5.73	Peak

Mode	802.11a	U-NII Band	II
		Frequency	TX 5300MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10600.000	37.90	15.02	34.67	29.46	47.71	54.00	6.29	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10600.000	37.90	15.02	34.67	30.19	48.44	54.00	5.56	Peak

Mode	802.11a	U-NII Band	III
		Frequency	TX 5500MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11000.000	38.10	15.24	34.56	30.10	48.88	54.00	5.12	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11000.000	38.10	15.24	34.56	29.58	48.36	54.00	5.64	Peak

Mode	802.11a	U-NII Band	IV
		Frequency	TX 5785MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11570.000	38.47	15.71	34.61	29.86	49.43	54.00	4.57	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11570.000	38.47	15.71	34.61	30.39	49.96	54.00	4.04	Peak

Mode	802.11n-HT20	U-NII Band	I
		Frequency	TX 5240MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10480.000	37.75	14.94	34.71	29.32	47.30	54.00	6.70	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10480.000	37.75	14.94	34.71	30.04	48.02	54.00	5.98	Peak

Mode	802.11n-HT20	U-NII Band	II
		Frequency	TX 5300MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10600.000	37.90	15.02	34.67	29.57	47.82	54.00	6.18	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10600.000	37.90	15.02	34.67	30.80	49.05	54.00	4.95	Peak

Mode	802.11n-HT20	U-NII Band	III
		Frequency	TX 5580MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11160.000	38.13	15.36	34.57	30.00	48.92	54.00	5.08	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11160.000	38.13	15.36	34.57	29.67	48.59	54.00	5.41	Peak

Mode	802.11n-HT20	U-NII Band	IV
		Frequency	TX 5825MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11650.000	38.50	15.77	34.62	30.44	50.09	54.00	3.91	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11650.000	38.50	15.77	34.62	31.19	50.84	54.00	3.16	Peak

Mode	802.11n-HT40	U-NII Band	I
		Frequency	TX 5230MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10460.000	37.70	14.94	34.74	30.51	48.41	54.00	5.59	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10460.000	37.70	14.94	34.74	29.56	47.46	54.00	6.54	Peak

Mode	802.11n-HT40	U-NII Band	II
		Frequency	TX 5270MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10540.000	37.83	14.98	34.68	30.29	48.42	54.00	5.58	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
10540.000	37.83	14.98	34.68	30.39	48.52	54.00	5.48	Peak

Mode	802.11n-HT40	U-NII Band	III
		Frequency	TX 5590MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11180.000	38.13	15.42	34.57	29.24	48.22	54.00	5.78	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11180.000	38.13	15.42	34.57	29.52	48.50	54.00	5.50	Peak

Mode	802.11n-HT40	U-NII Band	IV
		Frequency	TX 5795MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11590.000	38.50	15.71	34.61	29.68	49.28	54.00	4.72	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11590.000	38.50	15.71	34.61	31.35	50.95	54.00	3.05	Peak

Mode	---	U-NII Band	III
		Frequency	RX 55800MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11160.000	38.13	15.36	34.57	29.26	48.18	54.00	5.82	Peak

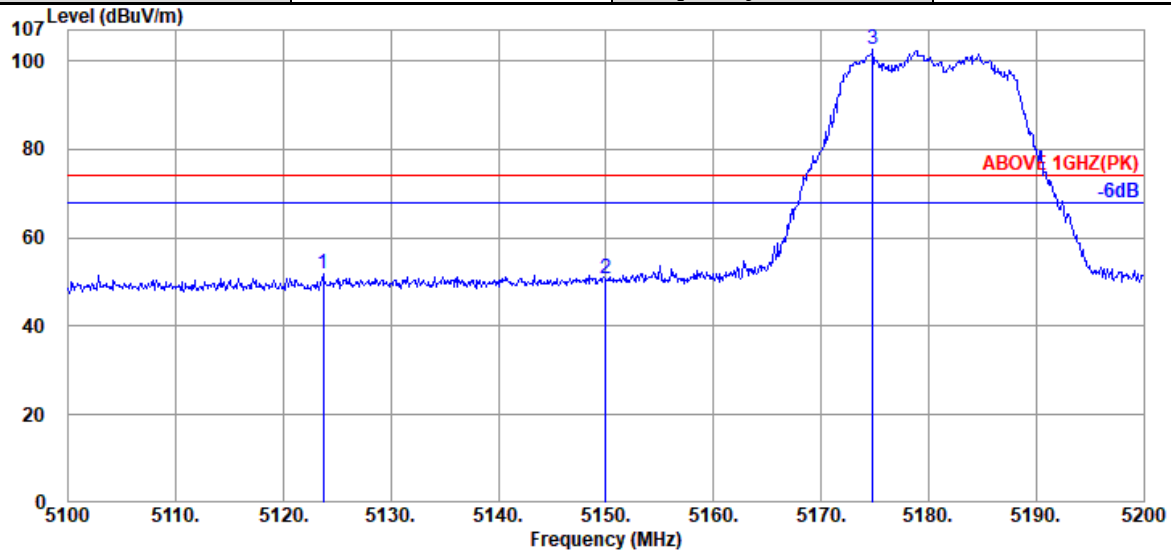
Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11160.000	38.13	15.36	34.57	28.95	47.87	54.00	6.13	Peak

1.3. 禁用頻帶量測結果 (其他不必要發射)

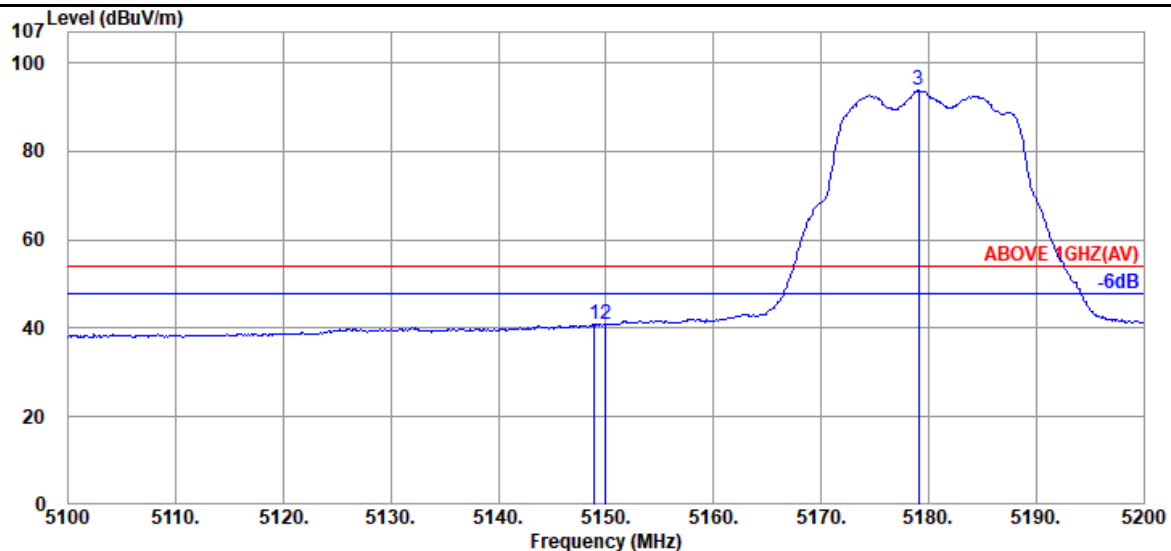
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Mode	802.11a	U-NII Band	I
		Frequency	TX 5180MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5123.700	34.13	10.70	34.36	41.27	51.74	74.00	22.26	Peak
5150.000	34.20	10.70	34.35	40.17	50.72	74.00	23.28	Peak
@ 5174.800	34.20	10.72	34.34	91.92	102.50	---	---	Peak

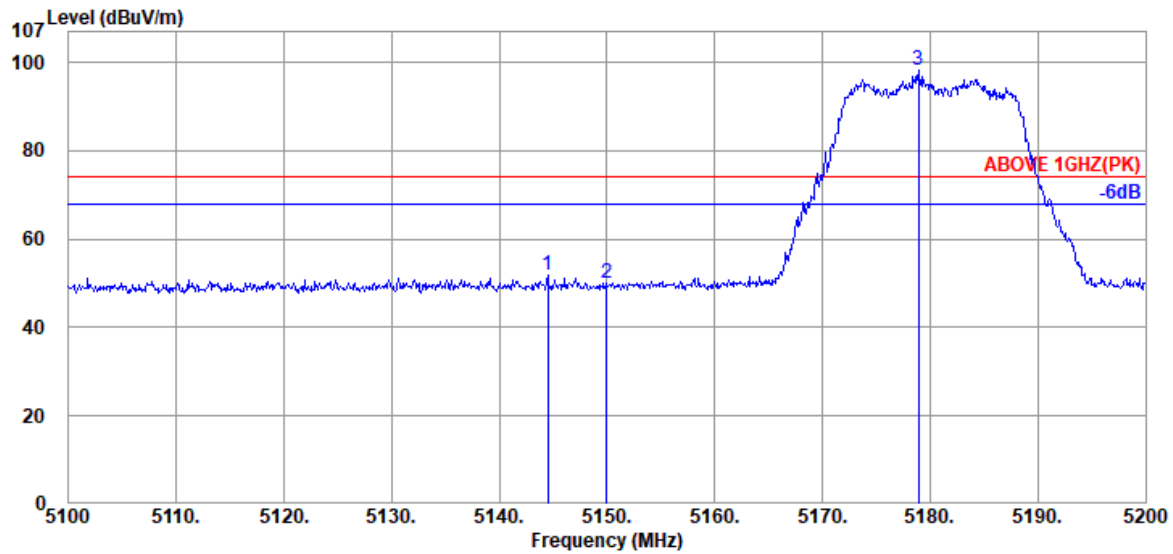


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5148.900	34.20	10.70	34.35	30.40	40.95	54.00	13.05	Average
5150.000	34.20	10.70	34.35	30.27	40.82	54.00	13.18	Average
@ 5179.100	34.20	10.72	34.34	83.13	93.71	---	---	Average

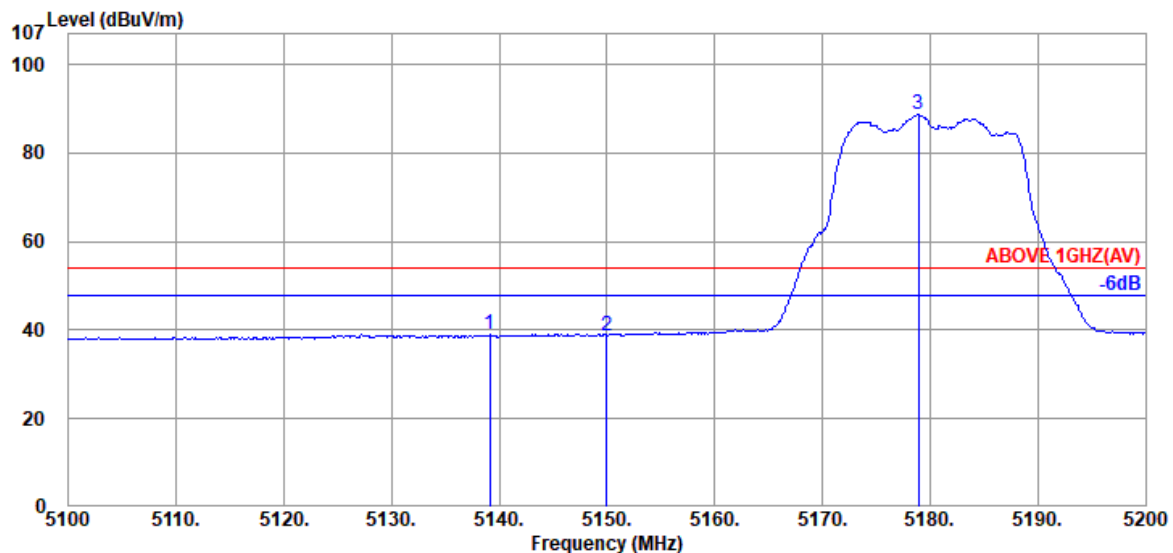
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	U-NII Band	I
		Frequency	TX 5180MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5144.500	34.20	10.70	34.35	41.15	51.70	74.00	22.30	Peak
5150.000	34.20	10.70	34.35	39.65	50.20	74.00	23.80	Peak
@ 5178.900	34.20	10.72	34.34	87.49	98.07	---	---	Peak

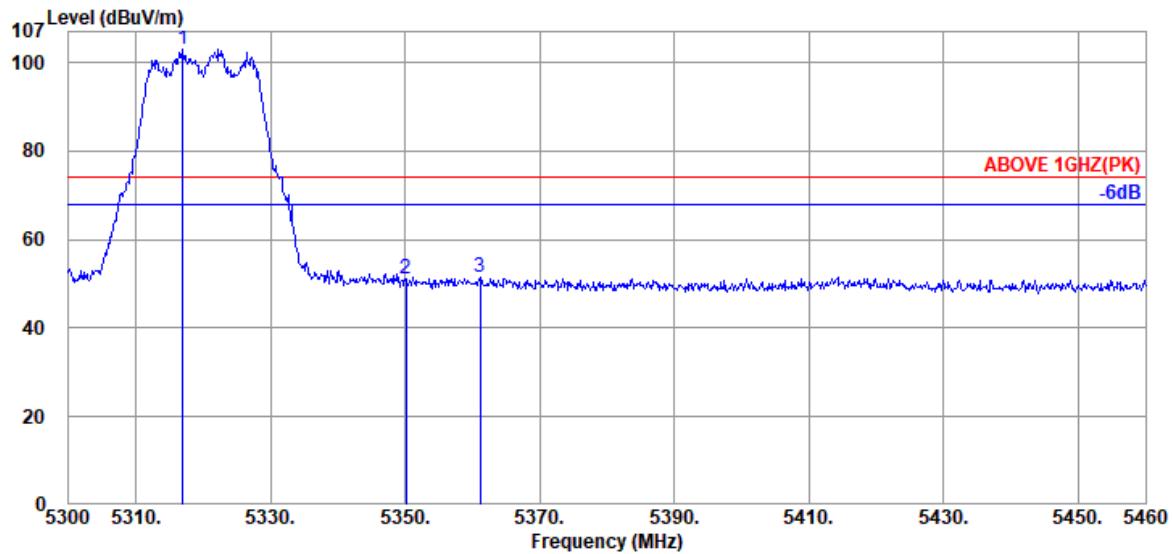


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5139.100	34.17	10.70	34.36	28.61	39.12	54.00	14.88	Average
5150.000	34.20	10.70	34.35	28.30	38.85	54.00	15.15	Average
@ 5178.900	34.20	10.72	34.34	78.27	88.85	---	---	Average

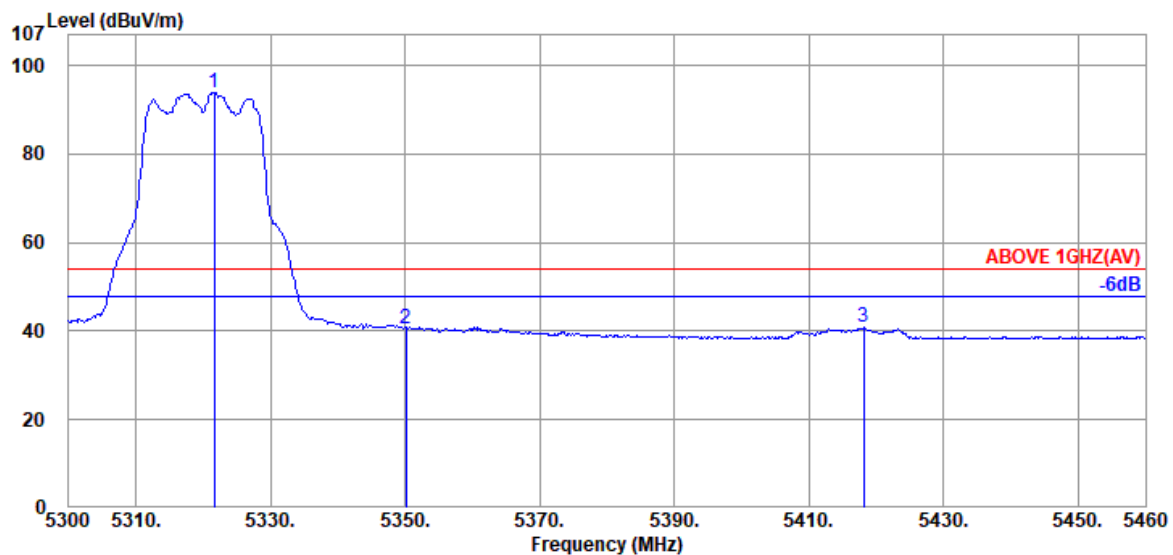
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	U-NII Band	II
		Frequency	TX 5320MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5316.960	34.53	10.81	34.29	91.94	102.99	---	---	Peak
5350.080	34.60	10.83	34.27	39.86	51.02	74.00	22.98	Peak
5361.120	34.63	10.85	34.27	40.46	51.67	74.00	22.33	Peak

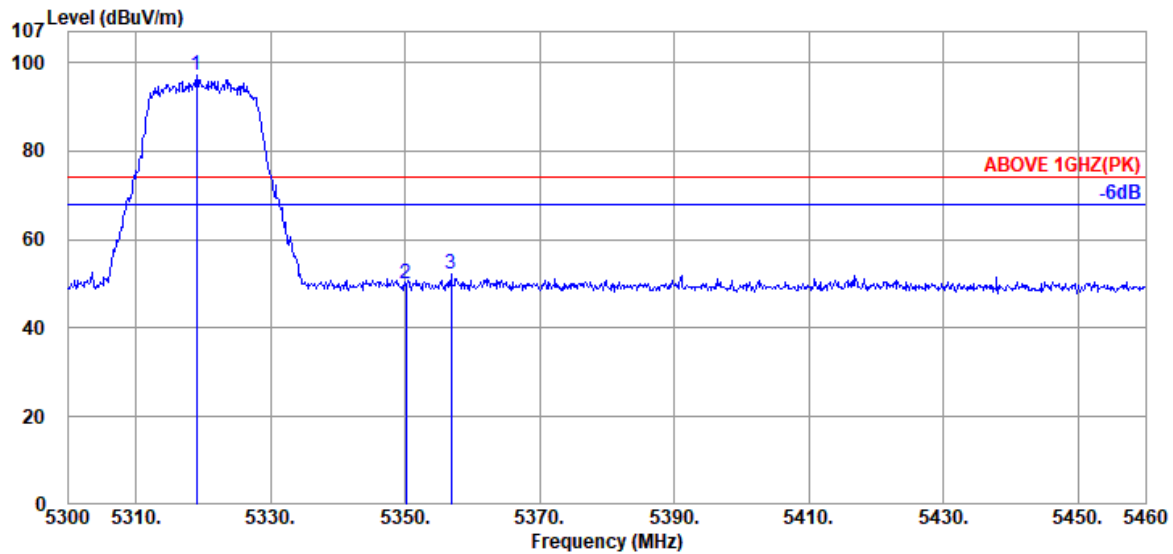


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5321.600	34.53	10.83	34.29	82.79	93.86	---	---	Average
5350.080	34.60	10.83	34.27	29.49	40.65	54.00	13.35	Average
5418.080	34.60	10.87	34.26	29.63	40.84	54.00	13.16	Average

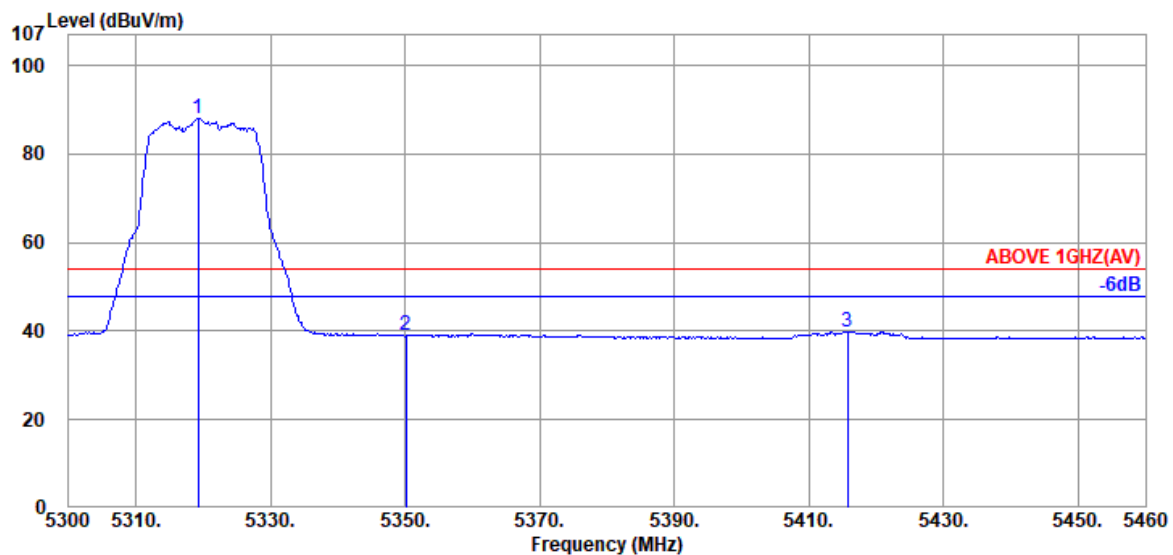
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	U-NII Band	II
		Frequency	TX 5320MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5319.040	34.53	10.81	34.29	85.96	97.01	---	---	Peak
5350.080	34.60	10.83	34.27	38.72	49.88	74.00	24.12	Peak
5356.800	34.63	10.85	34.27	41.02	52.23	74.00	21.77	Peak

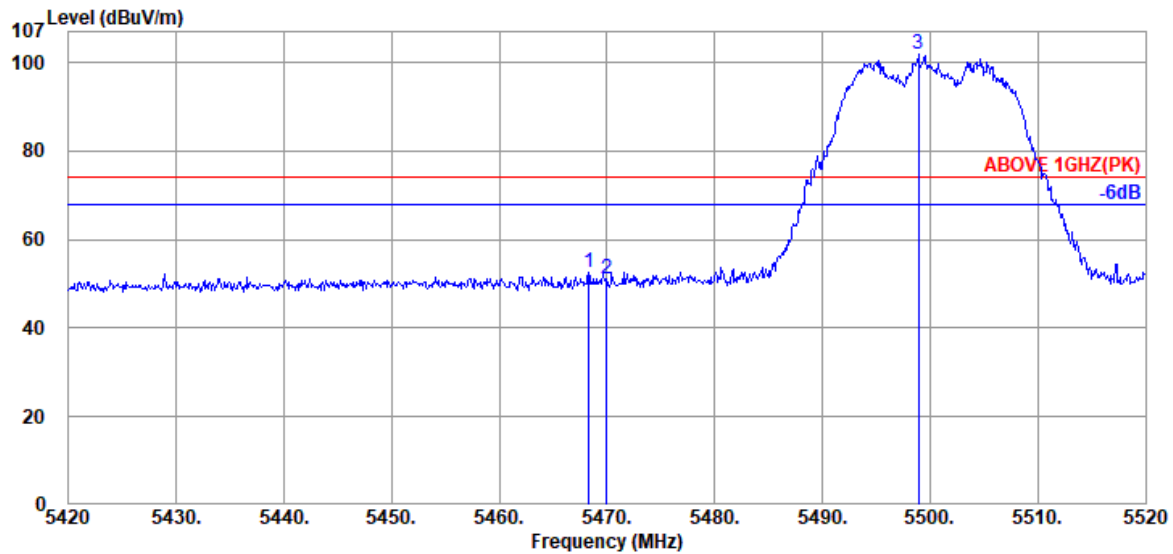


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5319.200	34.53	10.81	34.29	77.01	88.06	---	---	Average
5350.080	34.60	10.83	34.27	27.85	39.01	54.00	14.99	Average
5415.680	34.65	10.87	34.26	28.72	39.98	54.00	14.02	Average

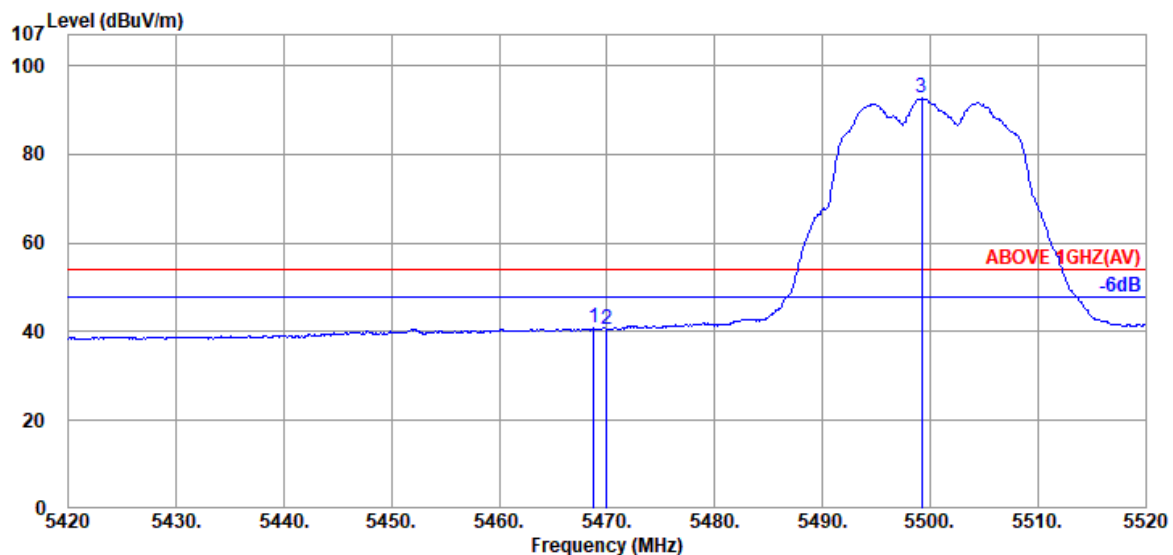
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	U-NII Band	III
		Frequency	TX 5500MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5468.300	34.47	10.91	34.24	41.57	52.71	74.00	21.29	Peak
5470.000	34.47	10.91	34.24	39.93	51.07	74.00	22.93	Peak
@ 5498.900	34.40	10.93	34.23	90.82	101.92	---	---	Peak

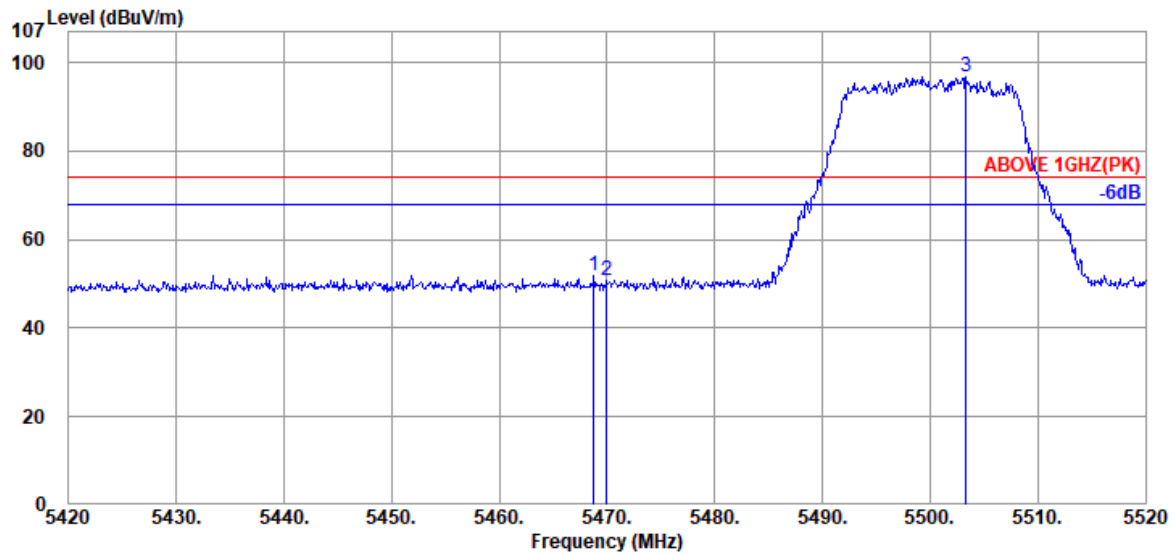


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5468.800	34.47	10.91	34.24	29.76	40.90	54.00	13.10	Average
5470.000	34.47	10.91	34.24	29.30	40.44	54.00	13.56	Average
@ 5499.200	34.40	10.93	34.23	81.57	92.67	---	---	Average

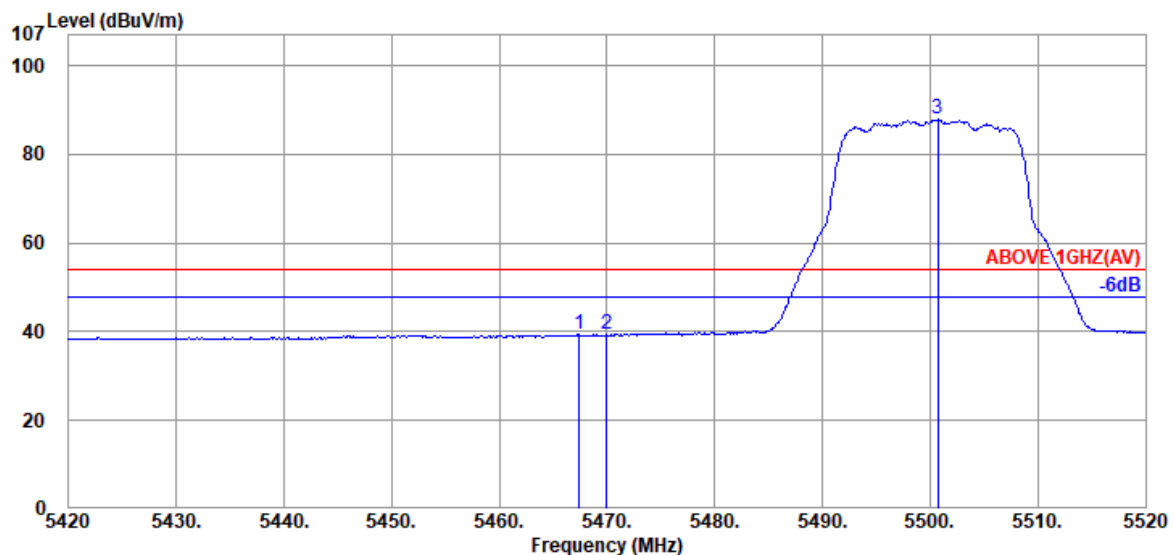
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	U-NII Band	III
		Frequency	TX 5500MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5468.800	34.47	10.91	34.24	40.86	52.00	74.00	22.00	Peak
5470.000	34.47	10.91	34.24	39.60	50.74	74.00	23.26	Peak
@ 5503.300	34.40	10.93	34.24	85.71	96.80	---	---	Peak

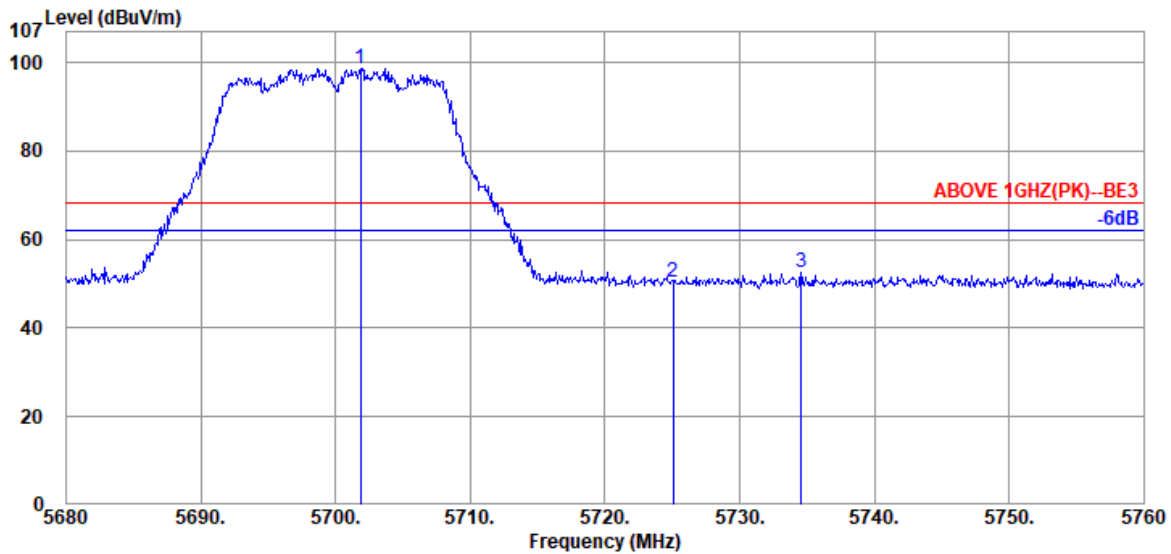


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5467.400	34.47	10.91	34.24	28.33	39.47	54.00	14.53	Average
5470.000	34.47	10.91	34.24	28.19	39.33	54.00	14.67	Average
@ 5500.700	34.40	10.93	34.23	76.80	87.90	---	---	Average

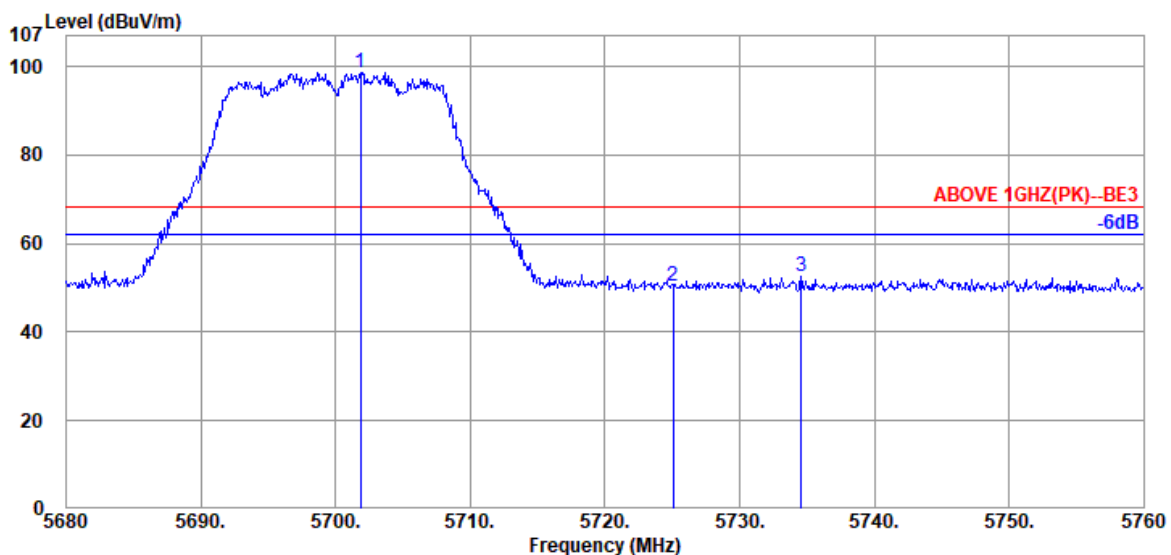
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	U-NII Band	III
		Frequency	TX 5700MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5701.840	34.40	11.03	34.31	87.66	98.78	---	---	Peak
5725.040	34.67	11.05	34.32	39.02	50.42	68.20	17.78	Peak
5734.560	34.67	11.05	34.33	41.08	52.47	68.20	15.73	Peak

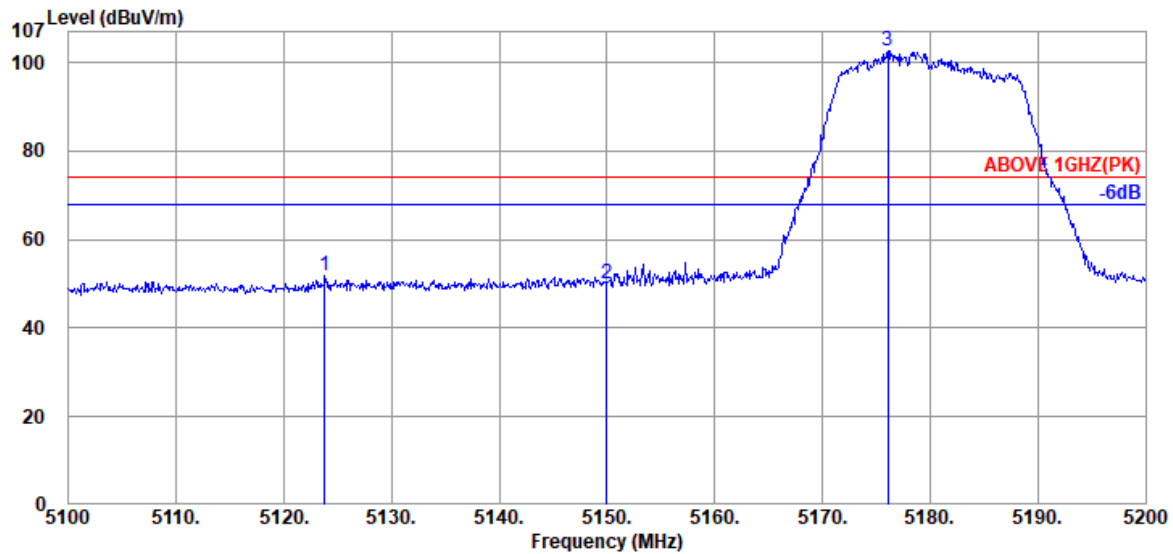


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5700.880	34.40	11.03	34.31	86.93	98.05	---	---	Peak
5725.040	34.67	11.05	34.32	38.80	50.20	68.20	18.00	Peak
5725.520	34.67	11.05	34.32	41.59	52.99	68.20	15.21	Peak

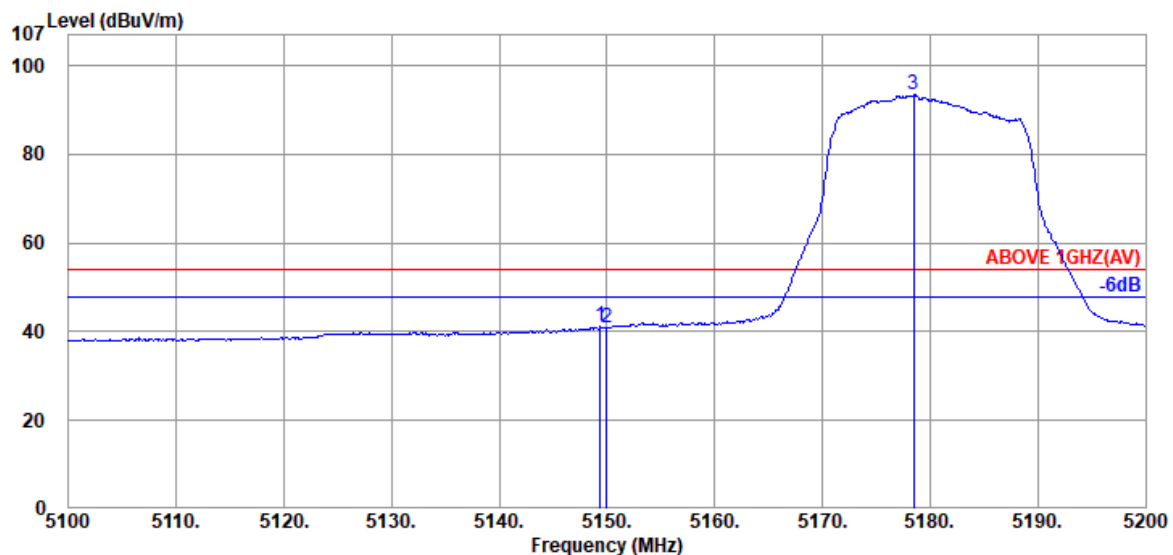
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	U-NII Band	I
		Frequency	TX 5180MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5123.800	34.13	10.70	34.36	41.33	51.80	74.00	22.20	Peak
5150.000	34.20	10.70	34.35	39.51	50.06	74.00	23.94	Peak
@ 5176.100	34.20	10.72	34.34	92.15	102.73	---	---	Peak

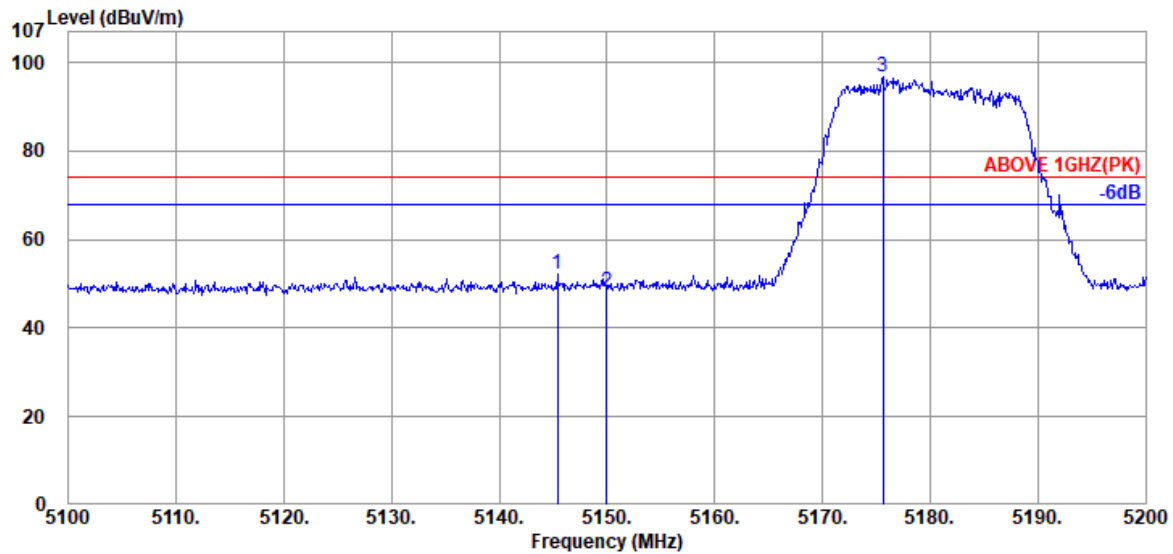


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5149.400	34.20	10.70	34.35	30.54	41.09	54.00	12.91	Average
5150.000	34.20	10.70	34.35	30.36	40.91	54.00	13.09	Average
@ 5178.500	34.20	10.72	34.34	82.75	93.33	---	---	Average

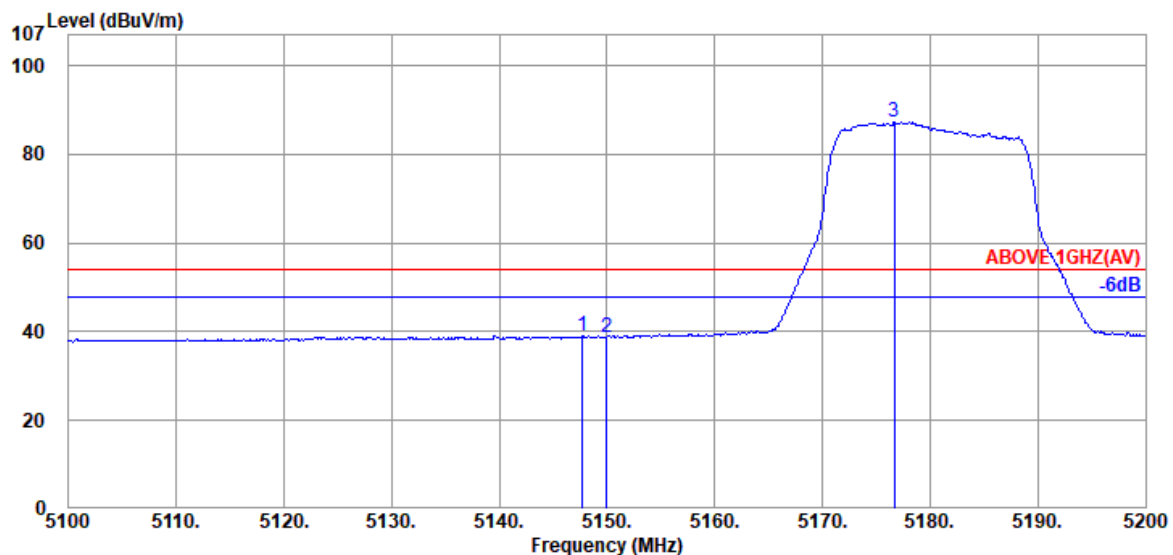
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	U-NII Band	I
		Frequency	TX 5180MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5145.400	34.20	10.70	34.35	41.56	52.11	74.00	21.89	Peak
5150.000	34.20	10.70	34.35	37.73	48.28	74.00	25.72	Peak
@ 5175.600	34.20	10.72	34.34	86.09	96.67	---	---	Peak

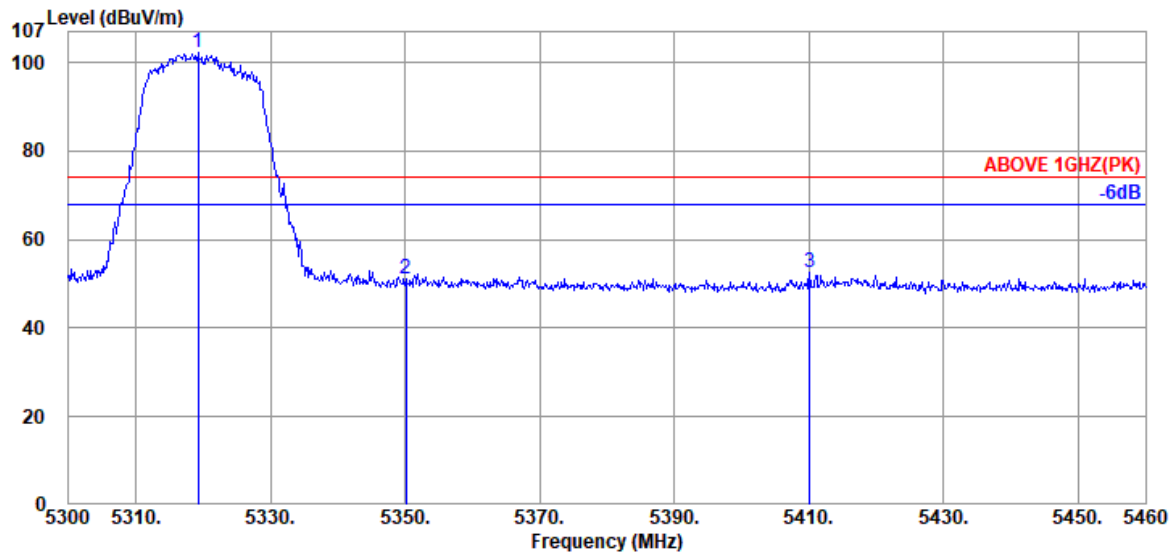


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5147.700	34.20	10.70	34.35	28.51	39.06	54.00	14.94	Average
5150.000	34.20	10.70	34.35	28.31	38.86	54.00	15.14	Average
@ 5176.700	34.20	10.72	34.34	76.77	87.35	---	---	Average

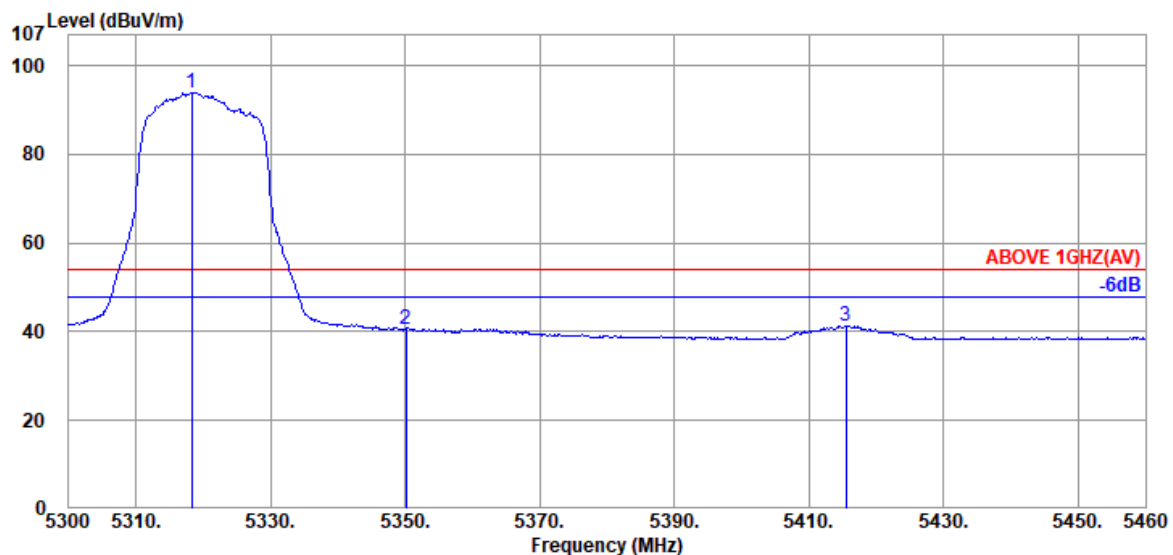
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	U-NII Band	II
		Frequency	TX 5320MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5319.200	34.53	10.81	34.29	91.09	102.14	---	---	Peak
5350.080	34.60	10.83	34.27	39.85	51.01	74.00	22.99	Peak
5410.080	34.65	10.87	34.26	41.42	52.68	74.00	21.32	Peak

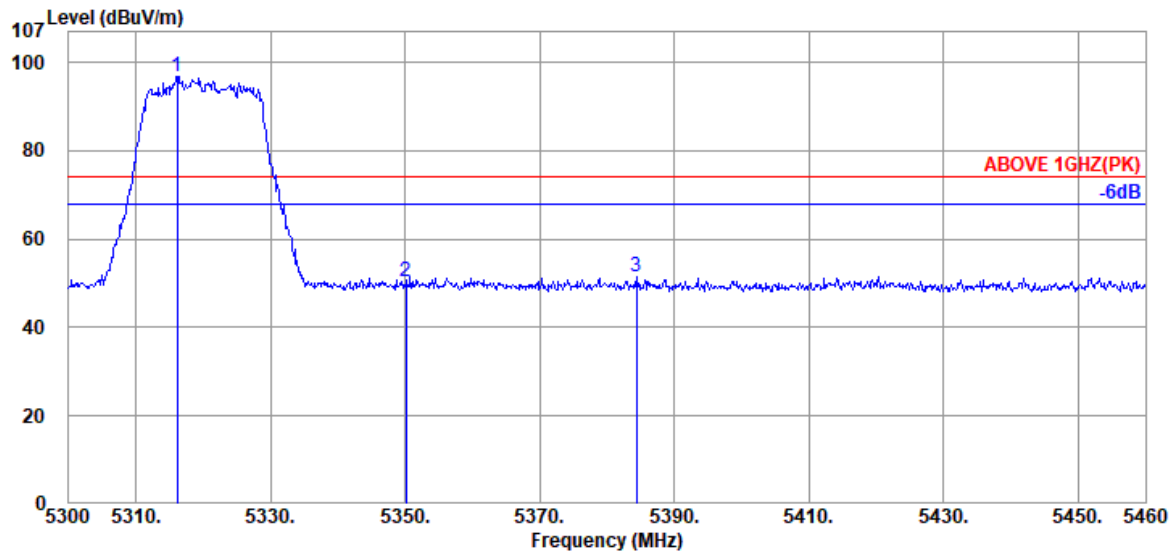


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5318.240	34.53	10.81	34.29	82.89	93.94	---	---	Average
5350.080	34.60	10.83	34.27	29.26	40.42	54.00	13.58	Average
5415.520	34.65	10.87	34.26	30.10	41.36	54.00	12.64	Average

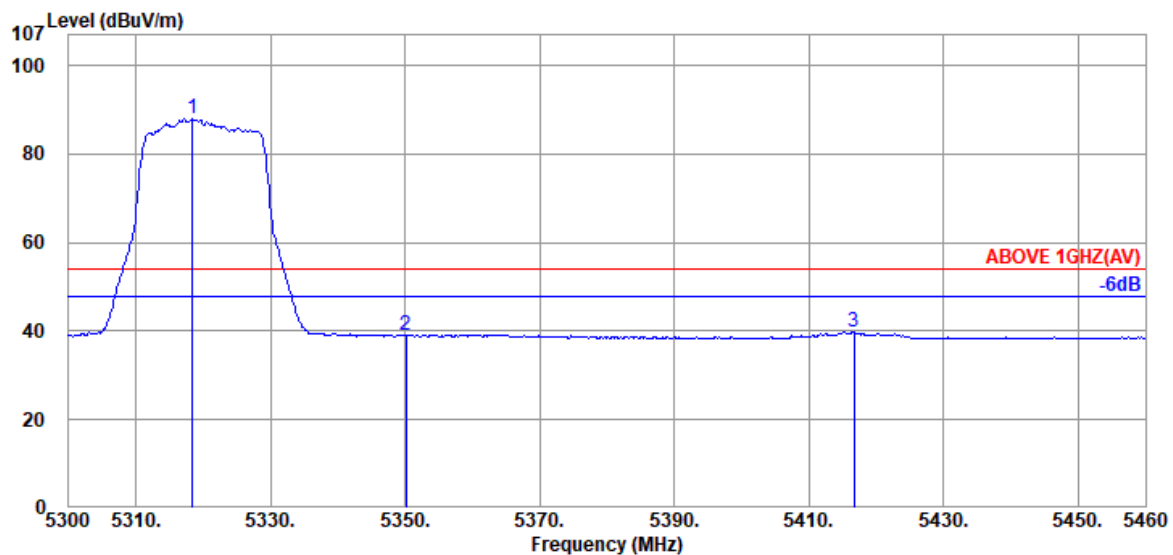
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	U-NII Band	II
		Frequency	TX 5320MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 5316.160	34.53	10.81	34.29	85.69	96.74	---	---	Peak
5350.080	34.60	10.83	34.27	39.25	50.41	74.00	23.59	Peak
5384.320	34.67	10.85	34.27	40.39	51.64	74.00	22.36	Peak

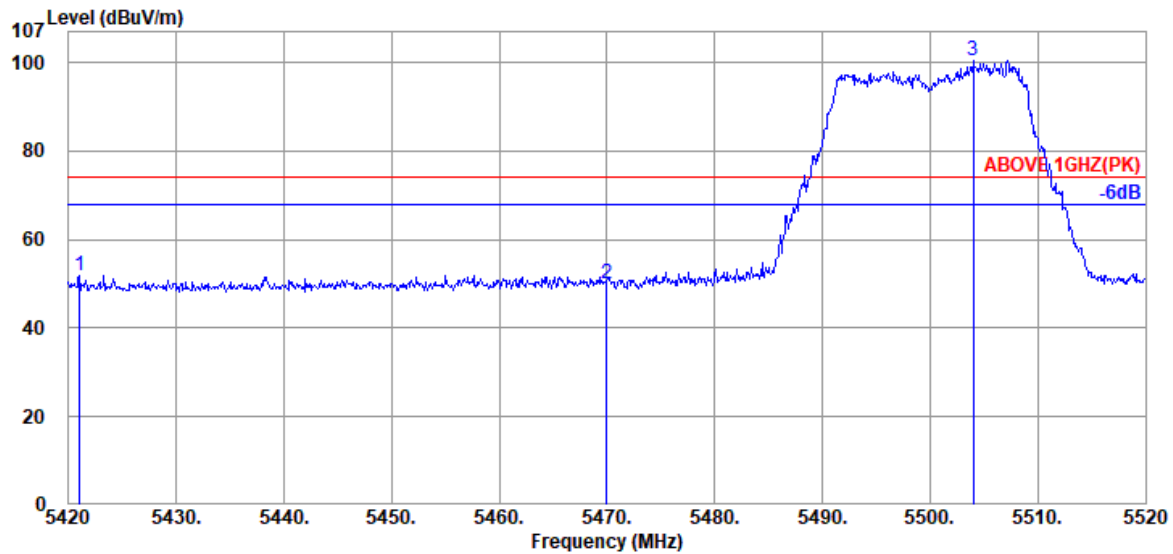


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 5318.400	34.53	10.81	34.29	76.92	87.97	---	---	Average
5350.080	34.60	10.83	34.27	27.88	39.04	54.00	14.96	Average
5416.640	34.60	10.87	34.26	28.59	39.80	54.00	14.20	Average

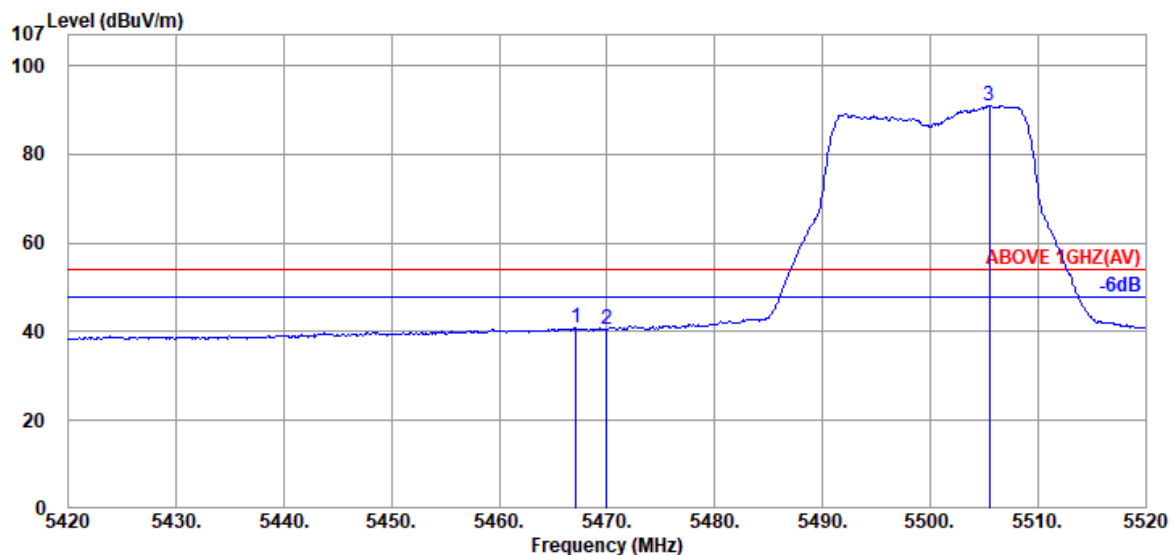
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	U-NII Band	III
		Frequency	TX 5500MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5421.000	34.60	10.87	34.26	40.69	51.90	74.00	22.10	Peak
5470.000	34.47	10.91	34.24	38.90	50.04	74.00	23.96	Peak
@ 5504.000	34.40	10.93	34.24	89.25	100.34	---	---	Peak

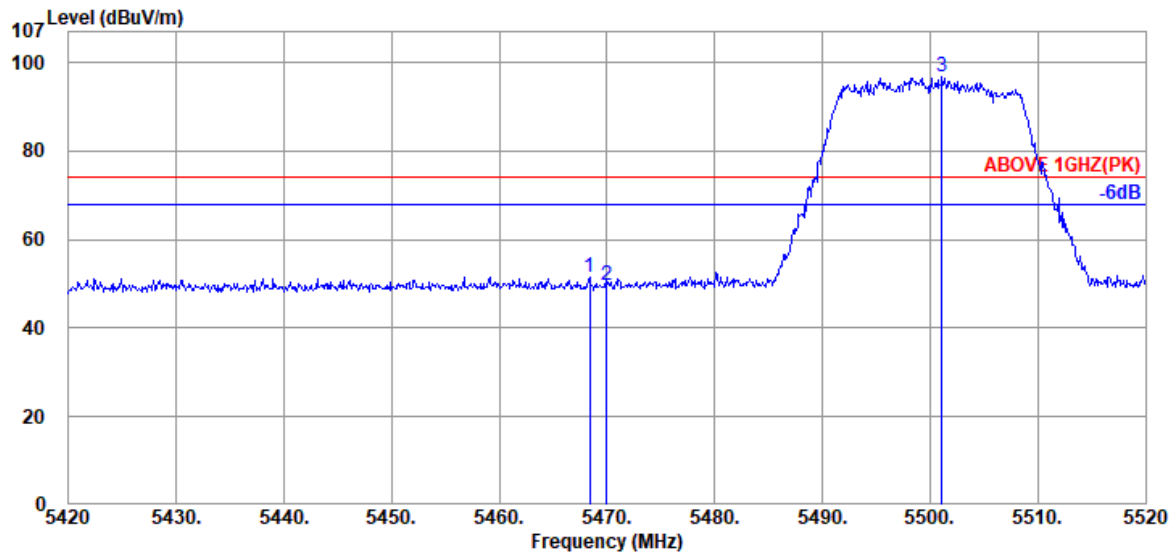


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5467.100	34.47	10.91	34.24	29.74	40.88	54.00	13.12	Average
5470.000	34.47	10.91	34.24	29.36	40.50	54.00	13.50	Average
@ 5505.500	34.40	10.93	34.24	79.98	91.07	---	---	Average

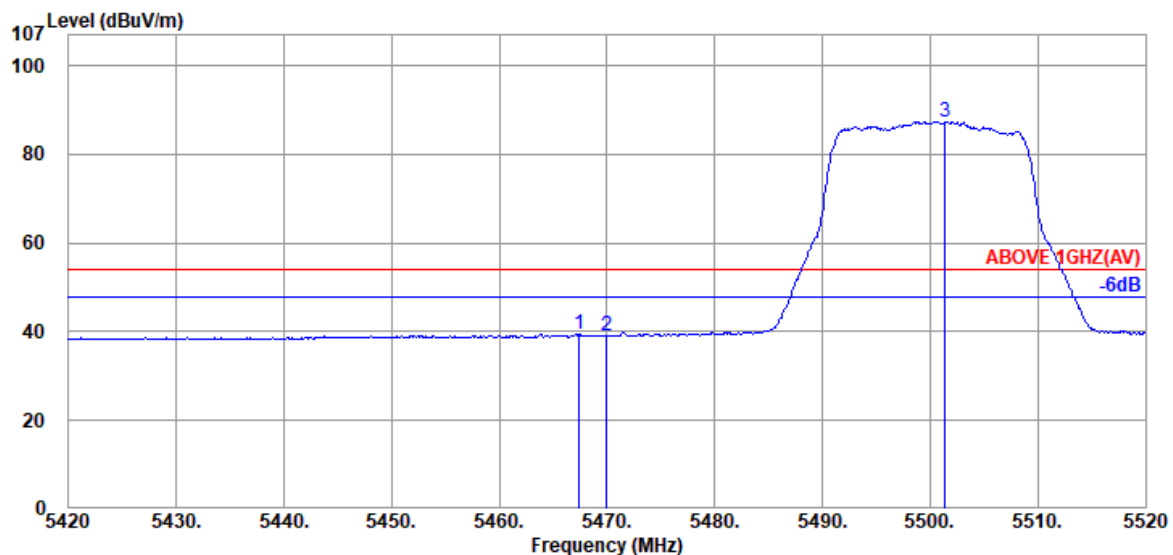
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	U-NII Band	III
		Frequency	TX 5500MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBMV)	Emission Level (dBMV/m)	Limits (dBMV/m)	Margin (dB)	Detector
5468.400	34.47	10.91	34.24	40.40	51.54	74.00	22.46	Peak
5470.000	34.47	10.91	34.24	38.38	49.52	74.00	24.48	Peak
@ 5501.100	34.40	10.93	34.24	85.58	96.67	---	---	Peak

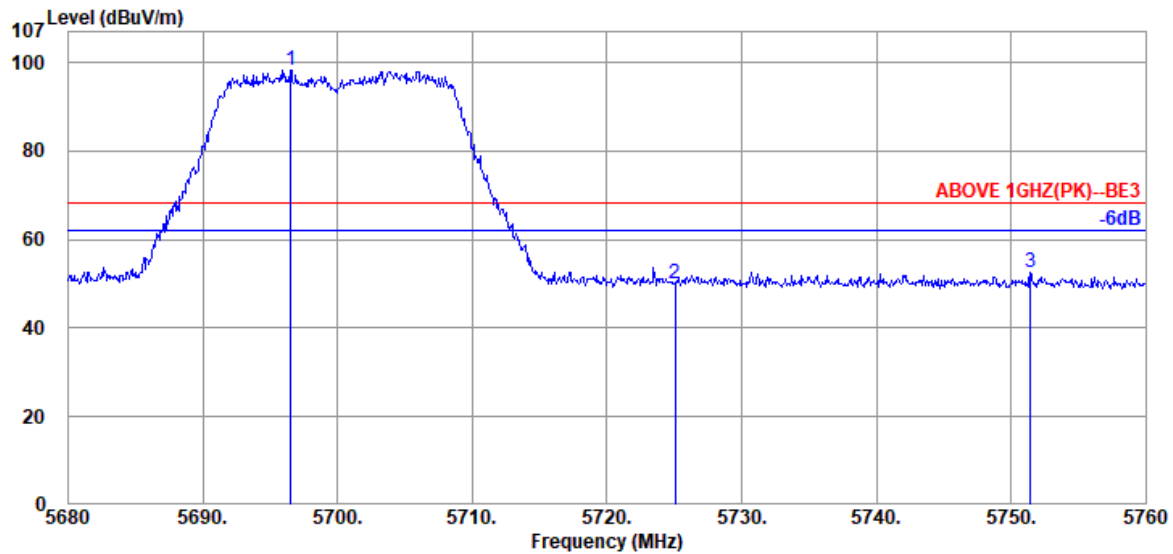


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBMV)	Emission Level (dBMV/m)	Limits (dBMV/m)	Margin (dB)	Detector
5467.400	34.47	10.91	34.24	28.24	39.38	54.00	14.62	Average
5470.000	34.47	10.91	34.24	27.84	38.98	54.00	15.02	Average
@ 5501.400	34.40	10.93	34.24	76.30	87.39	---	---	Average

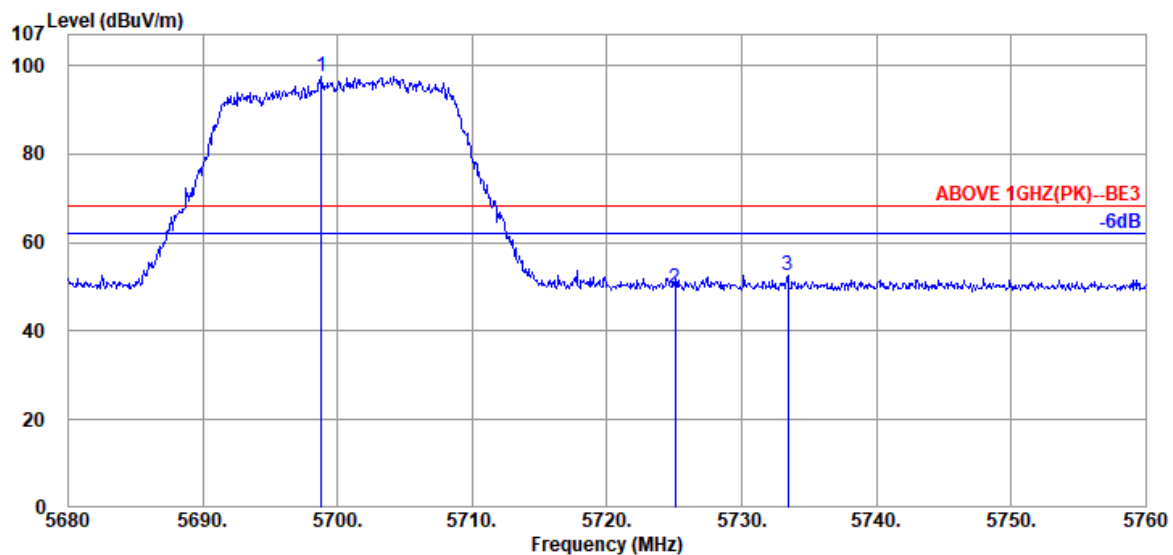
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	U-NII Band	III
		Frequency	TX 5700MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5696.480	34.40	11.03	34.31	87.05	98.17	---	---	Peak
5725.040	34.67	11.05	34.32	38.73	50.13	68.20	18.07	Peak
5751.440	34.80	11.06	34.33	40.95	52.48	68.20	15.72	Peak

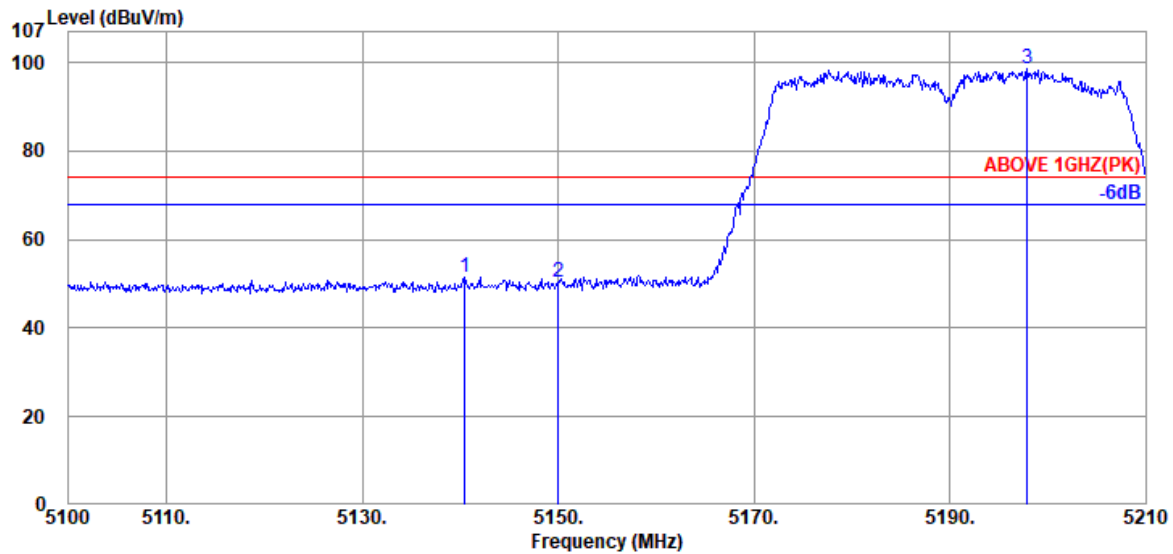


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5698.800	34.40	11.03	34.31	86.33	97.45	---	---	Peak
5725.040	34.67	11.05	34.32	38.31	49.71	68.20	18.49	Peak
5733.440	34.67	11.05	34.33	41.25	52.64	68.20	15.56	Peak

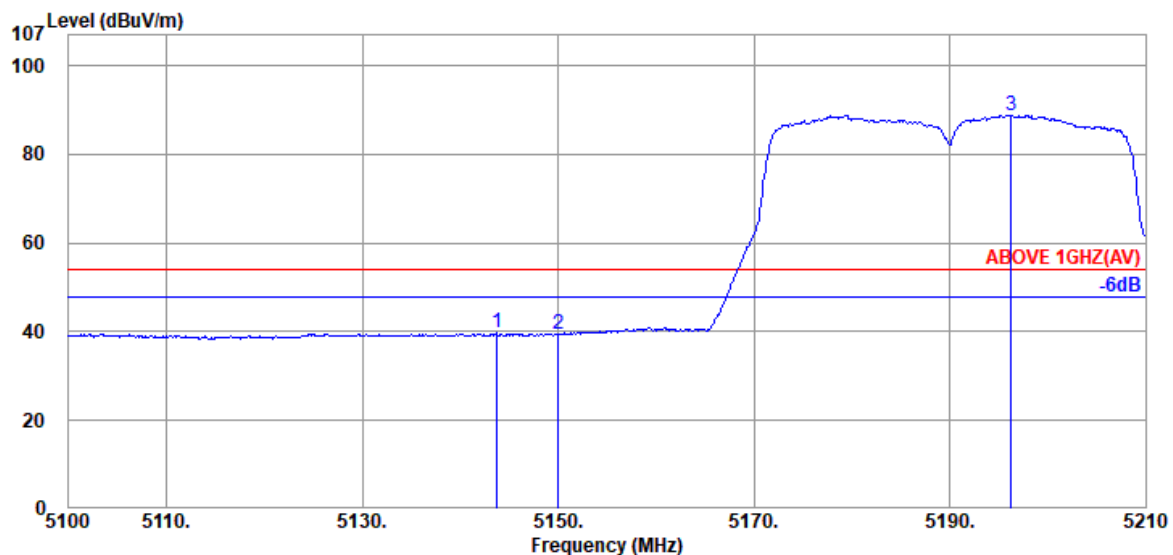
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	U-NII Band	I
		Frequency	TX 5190MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5140.480	34.17	10.70	34.36	41.16	51.67	74.00	22.33	Peak
5150.050	34.20	10.70	34.35	39.70	50.25	74.00	23.75	Peak
@ 5197.900	34.20	10.74	34.33	87.91	98.52	---	---	Peak

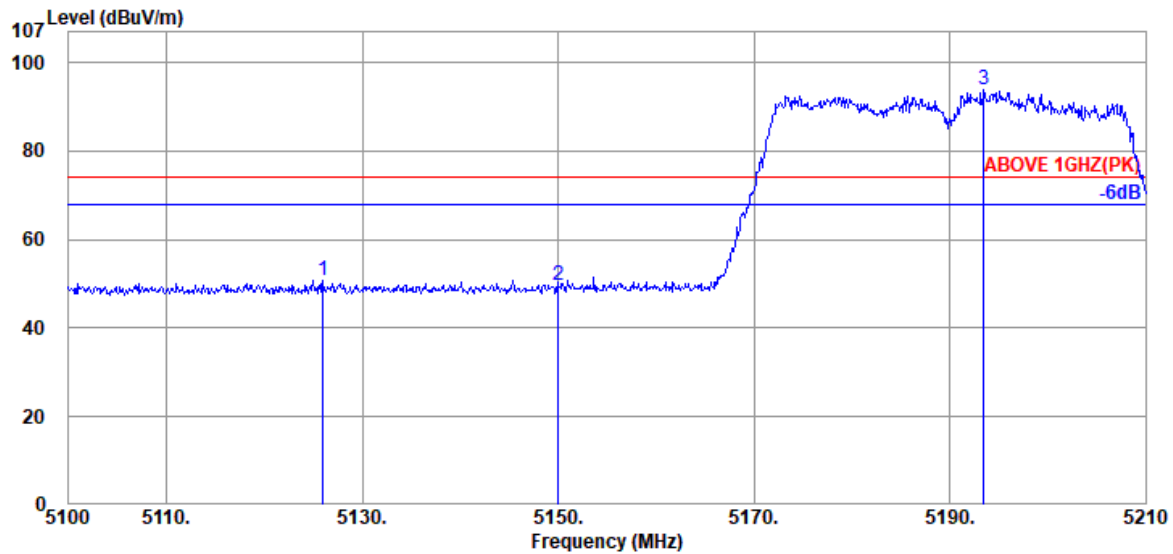


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5143.780	34.20	10.70	34.35	29.13	39.68	54.00	14.32	Average
5150.050	34.20	10.70	34.35	29.01	39.56	54.00	14.44	Average
@ 5196.250	34.20	10.74	34.33	78.21	88.82	---	---	Average

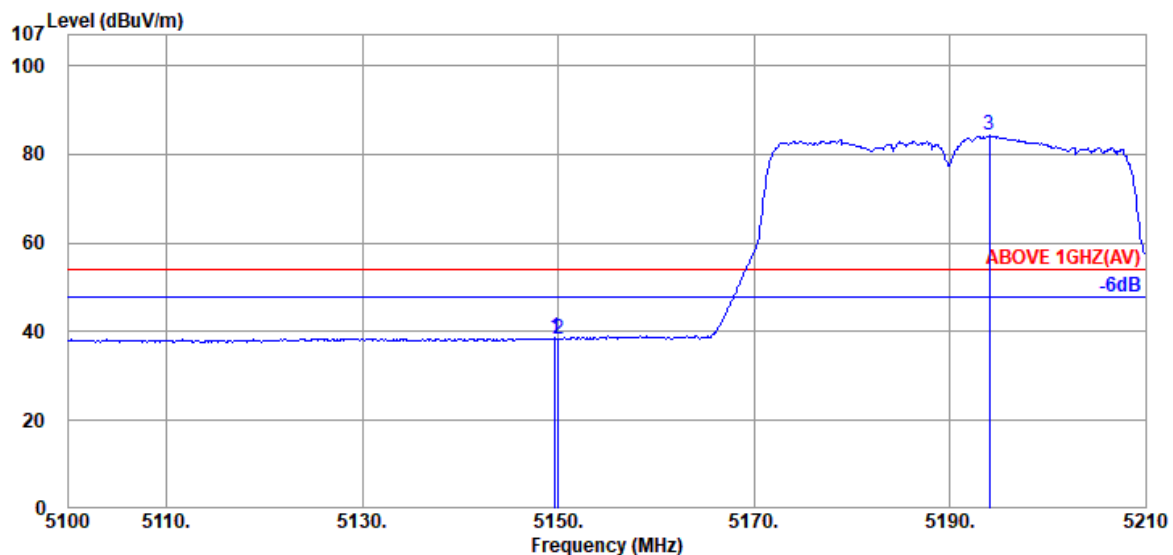
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	U-NII Band	I
		Frequency	TX 5190MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5125.960	34.13	10.70	34.36	40.43	50.90	74.00	23.10	Peak
5150.050	34.20	10.70	34.35	39.05	49.60	74.00	24.40	Peak
@ 5193.500	34.20	10.74	34.34	83.40	94.00	---	---	Peak

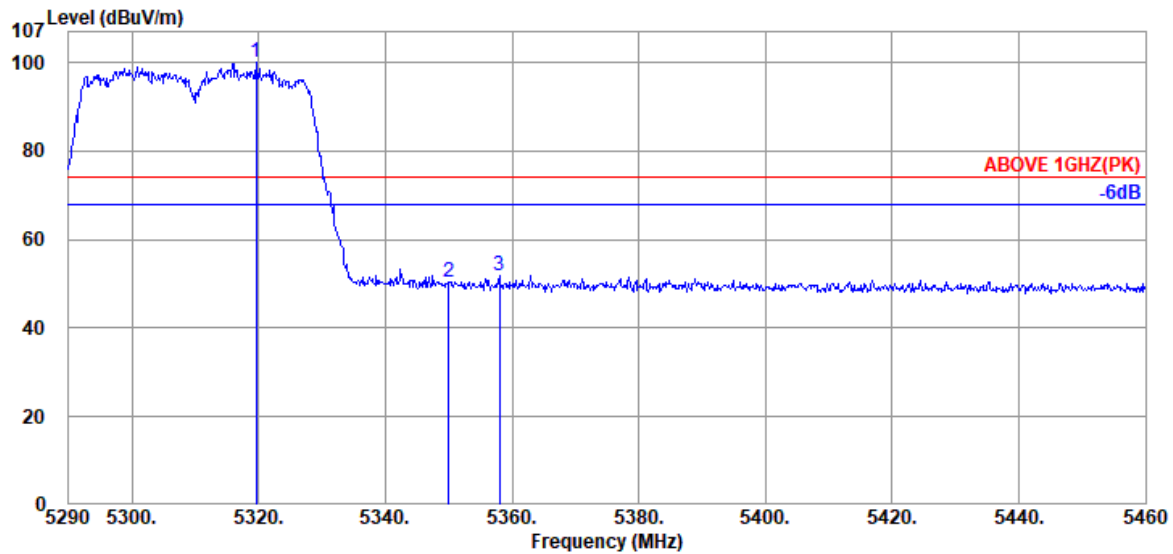


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5149.720	34.20	10.70	34.35	28.02	38.57	54.00	15.43	Average
5150.050	34.20	10.70	34.35	27.96	38.51	54.00	15.49	Average
@ 5194.050	34.20	10.74	34.34	73.61	84.21	---	---	Average

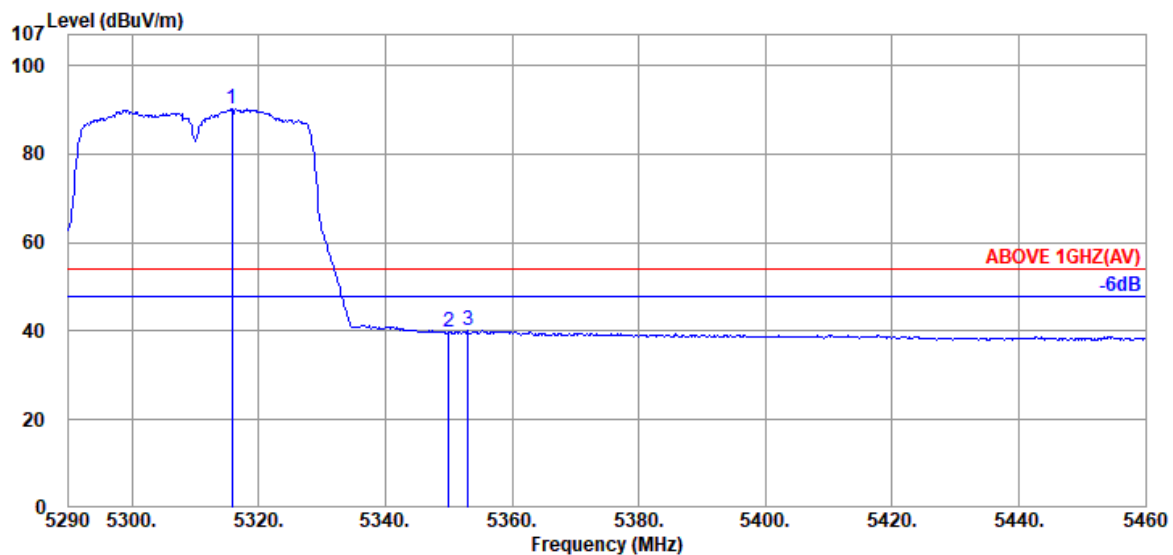
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	U-NII Band	II
		Frequency	TX 5310MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5319.580	34.53	10.81	34.29	88.87	99.92	---	---	Peak
5350.010	34.60	10.83	34.27	39.32	50.48	74.00	23.52	Peak
5358.000	34.63	10.85	34.27	40.55	51.76	74.00	22.24	Peak

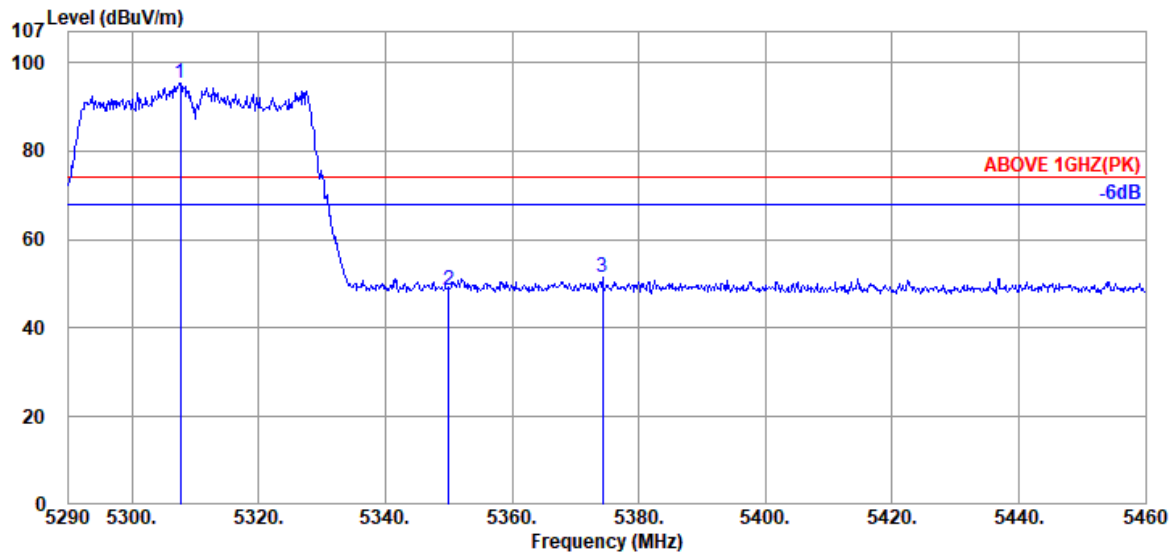


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5315.840	34.53	10.81	34.29	79.08	90.13	---	---	Average
5350.010	34.60	10.83	34.27	28.73	39.89	54.00	14.11	Average
5353.070	34.60	10.83	34.27	28.93	40.09	54.00	13.91	Average

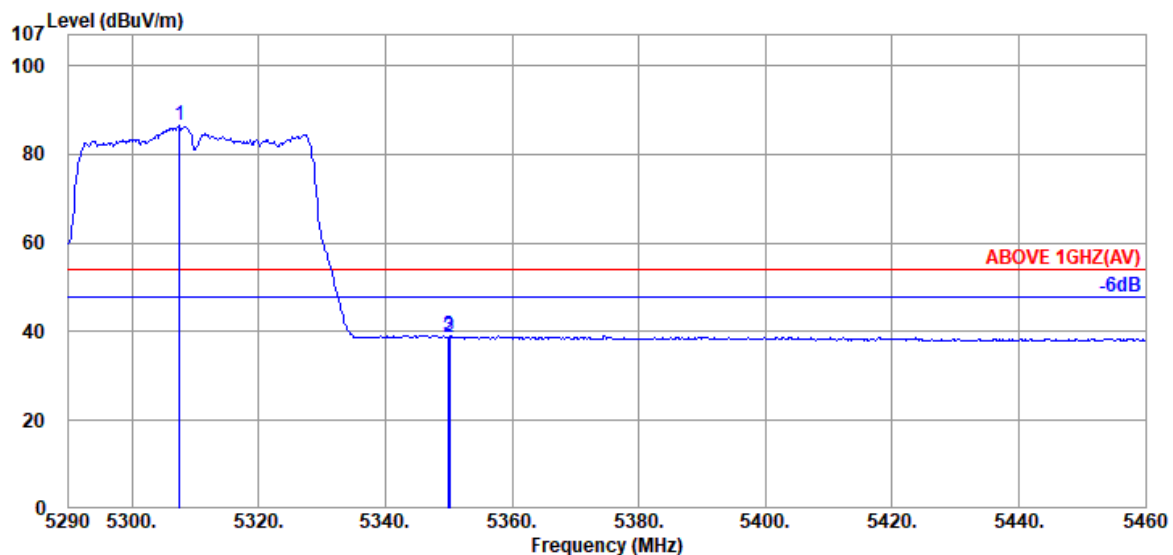
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	U-NII Band	II
		Frequency	TX 5310MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5307.680	34.50	10.81	34.29	84.28	95.30	---	---	Peak
5350.010	34.60	10.83	34.27	37.57	48.73	74.00	25.27	Peak
5374.320	34.67	10.85	34.27	40.20	51.45	74.00	22.55	Peak

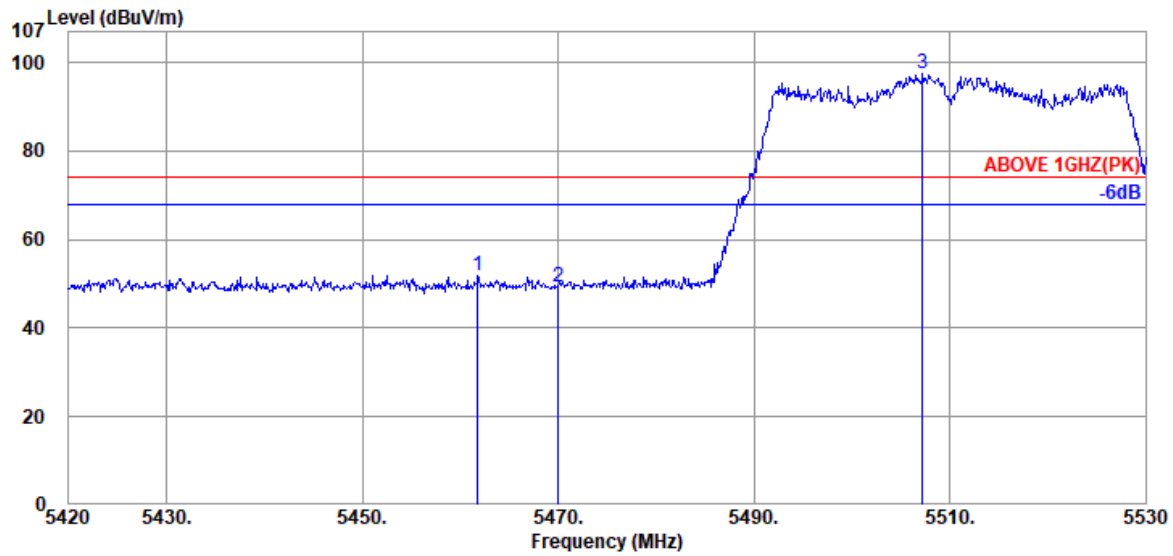


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5307.510	34.50	10.81	34.29	75.48	86.50	---	---	Average
5350.010	34.60	10.83	34.27	27.56	38.72	54.00	15.28	Average
5350.180	34.60	10.83	34.27	27.89	39.05	54.00	14.95	Average

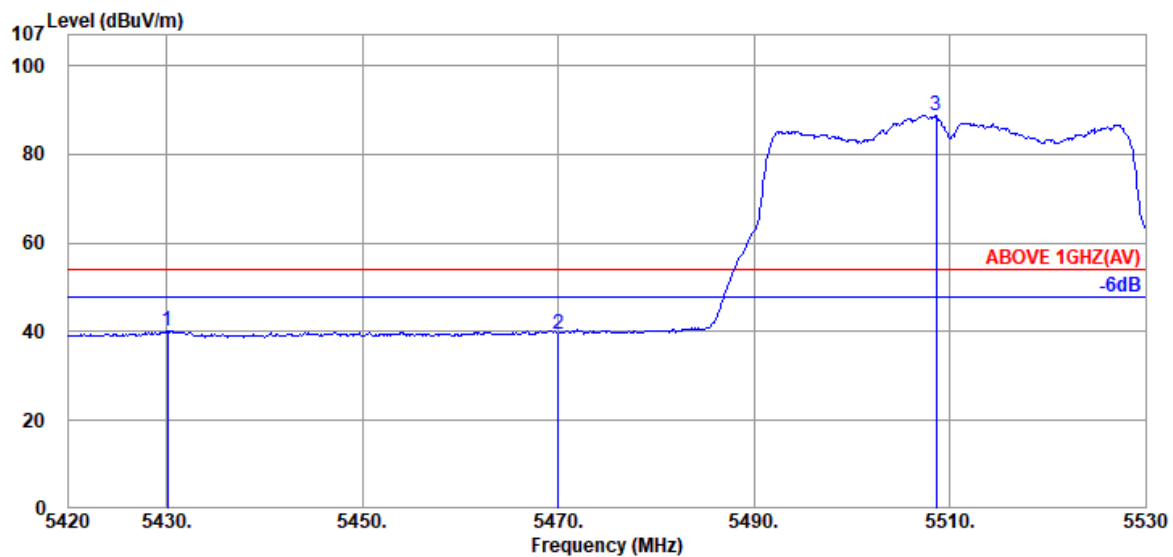
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	U-NII Band	III
		Frequency	TX 5510MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5461.800	34.50	10.91	34.24	40.70	51.87	74.00	22.13	Peak
5470.050	34.47	10.91	34.24	38.28	49.42	74.00	24.58	Peak
@ 5507.230	34.40	10.93	34.24	86.29	97.38	---	---	Peak

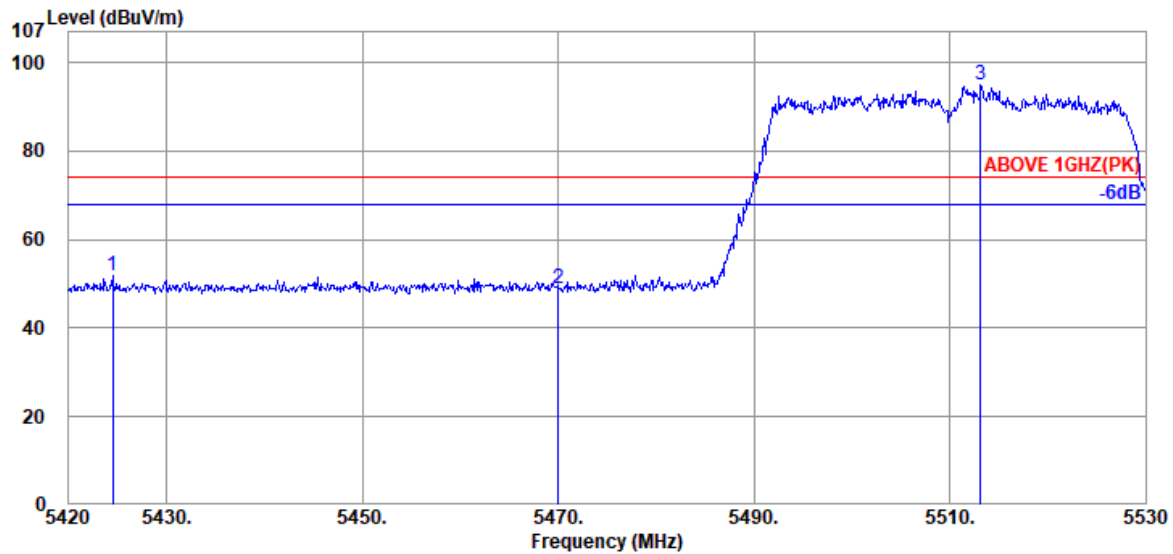


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5430.120	34.60	10.89	34.25	28.90	40.14	54.00	13.86	Average
5470.050	34.47	10.91	34.24	28.45	39.59	54.00	14.41	Average
@ 5508.660	34.40	10.93	34.24	77.71	88.80	---	---	Average

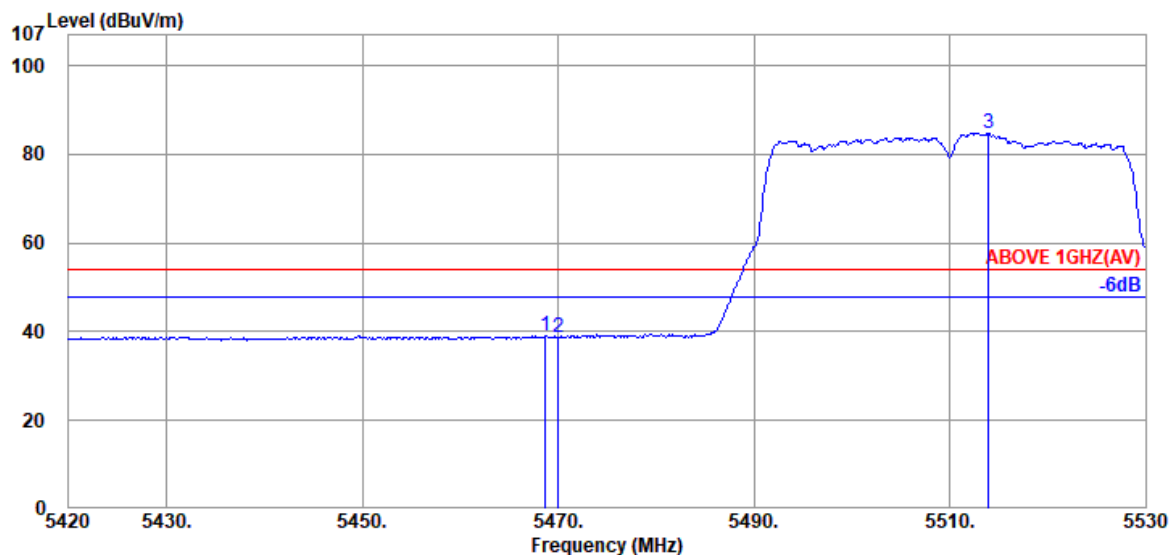
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	U-NII Band	III
		Frequency	TX 5510MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5424.510	34.60	10.87	34.25	40.52	51.74	74.00	22.26	Peak
5470.050	34.47	10.91	34.24	37.90	49.04	74.00	24.96	Peak
@ 5513.170	34.37	10.93	34.24	83.90	94.96	---	---	Peak

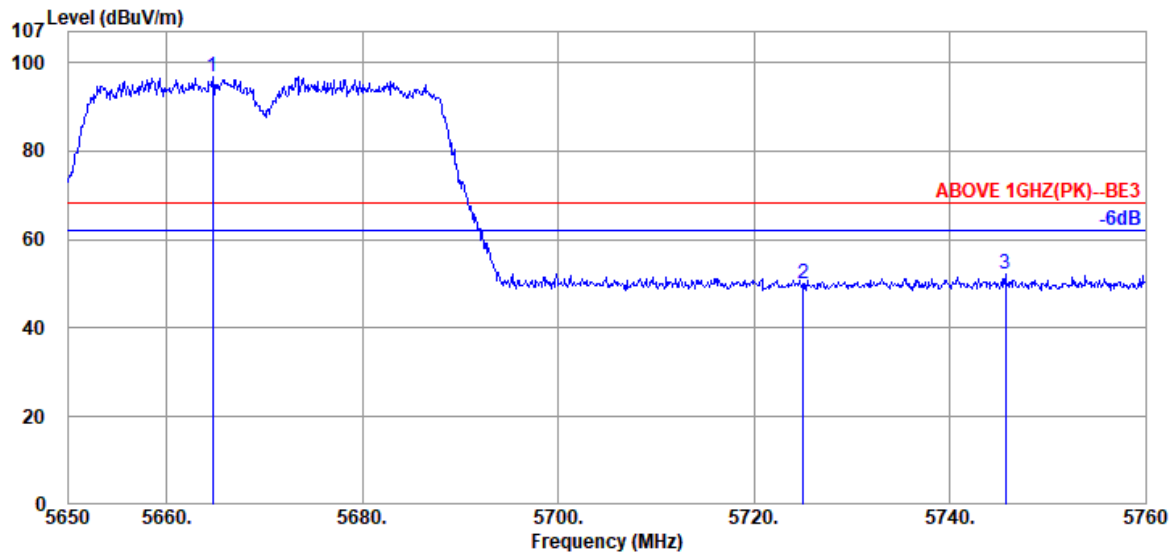


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5468.730	34.47	10.91	34.24	27.97	39.11	54.00	14.89	Average
5470.050	34.47	10.91	34.24	27.60	38.74	54.00	15.26	Average
@ 5513.940	34.37	10.93	34.24	73.83	84.89	---	---	Average

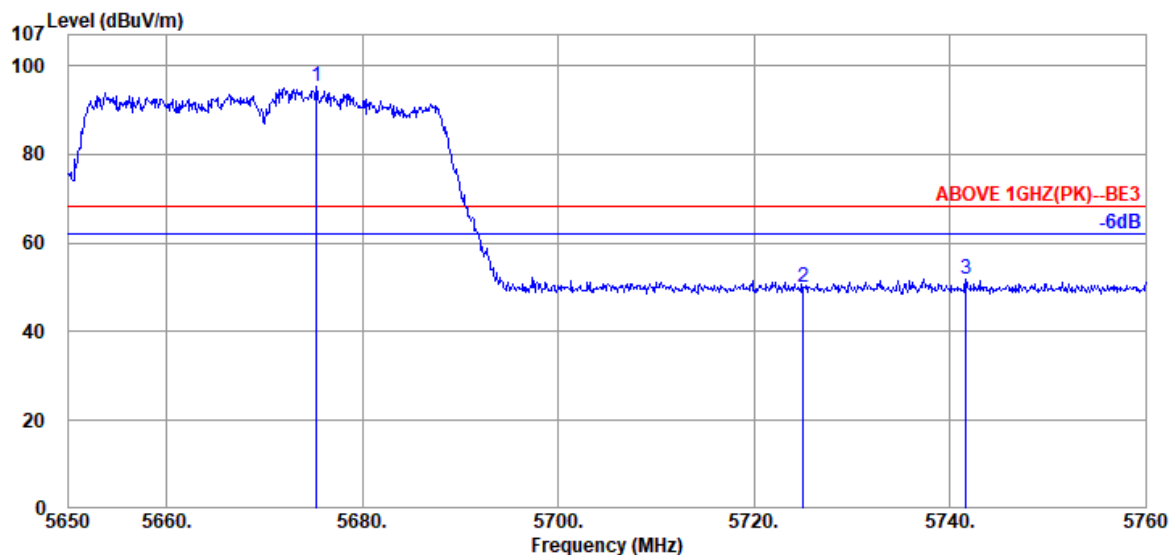
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	U-NII Band	III
		Frequency	TX 5670MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5664.740	34.40	11.01	34.30	85.63	96.74	---	---	Peak
5725.020	34.67	11.05	34.32	38.76	50.16	68.20	18.04	Peak
5745.700	34.80	11.05	34.33	40.71	52.23	68.20	15.97	Peak

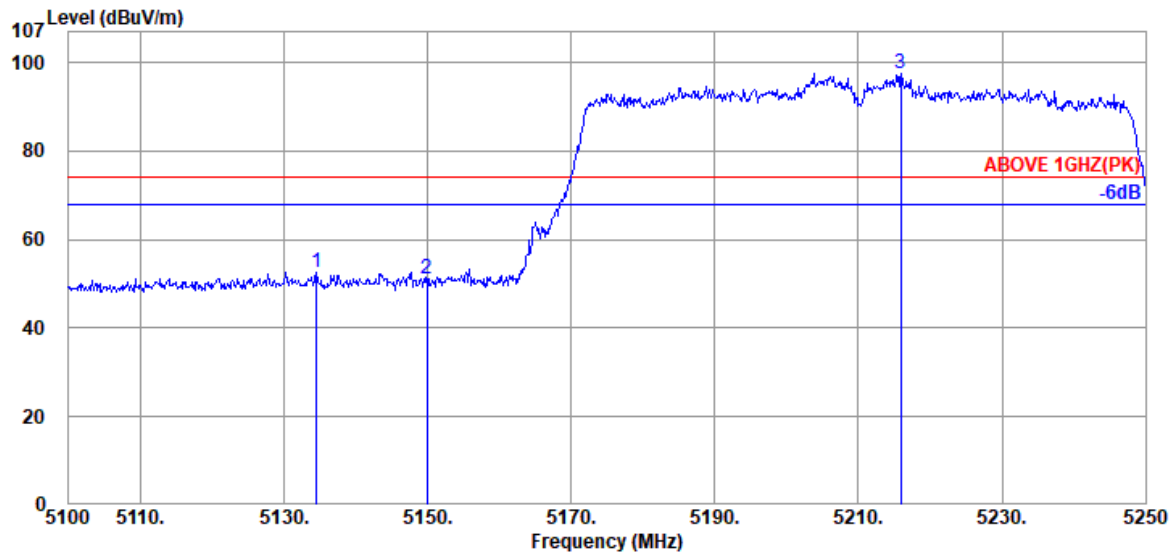


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5675.300	34.40	11.03	34.30	84.19	95.32	---	---	Peak
5725.020	34.67	11.05	34.32	38.65	50.05	68.20	18.15	Peak
5741.630	34.80	11.05	34.33	40.46	51.98	68.20	16.22	Peak

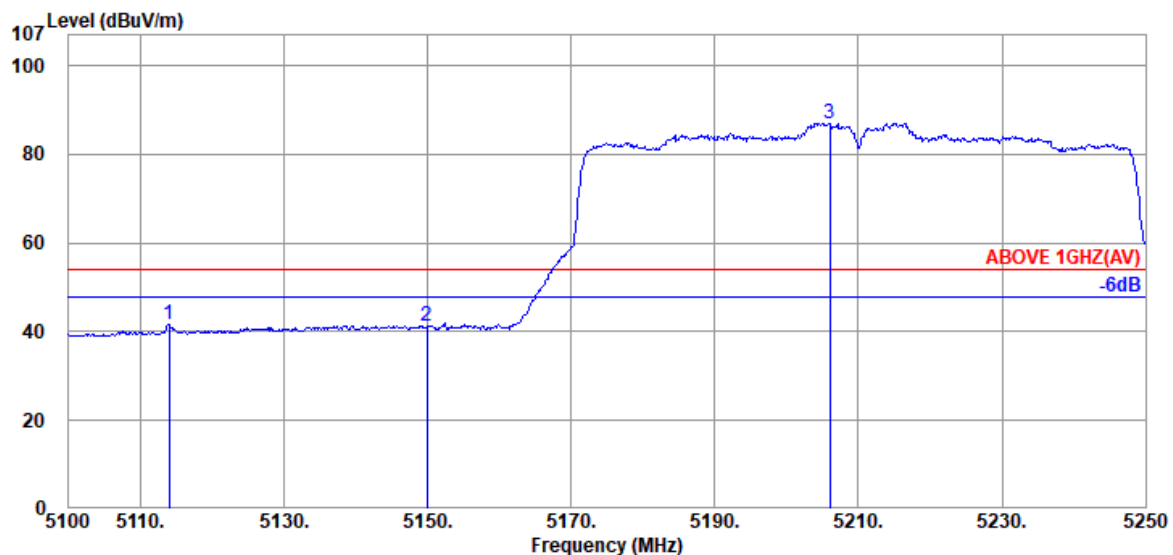
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11ac-VHT80	U-NII Band	I
		Frequency	TX 5210MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5134.500	34.17	10.70	34.36	42.13	52.64	74.00	21.36	Peak
5149.950	34.20	10.70	34.35	40.45	51.00	74.00	23.00	Peak
@ 5215.950	34.25	10.74	34.33	86.97	97.63	---	---	Peak

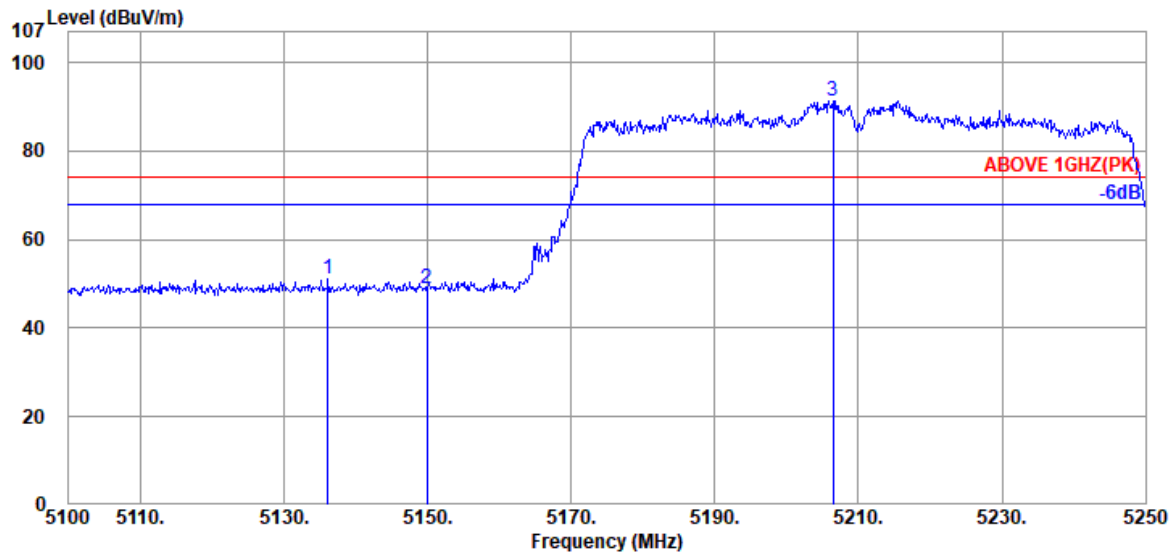


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5113.950	34.13	10.68	34.36	31.34	41.79	54.00	12.21	Average
5149.950	34.20	10.70	34.35	30.59	41.14	54.00	12.86	Average
@ 5206.050	34.25	10.74	34.33	76.37	87.03	---	---	Average

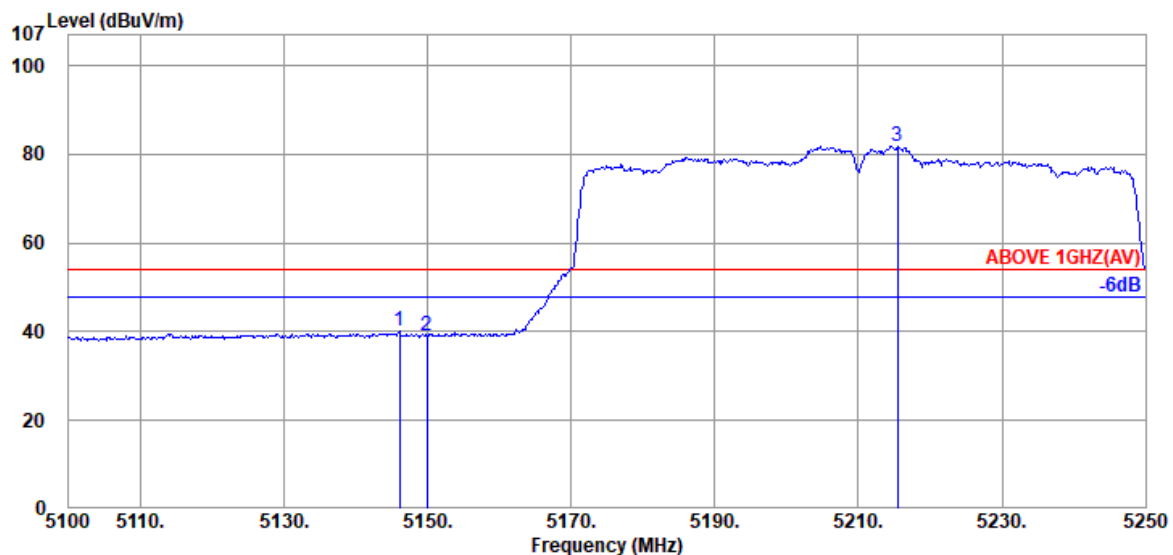
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11ac-VHT80	U-NII Band	I
		Frequency	TX 5210MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5136.150	34.17	10.70	34.36	40.47	50.98	74.00	23.02	Peak
5149.950	34.20	10.70	34.35	38.55	49.10	74.00	24.90	Peak
@ 5206.500	34.25	10.74	34.33	80.76	91.42	---	---	Peak

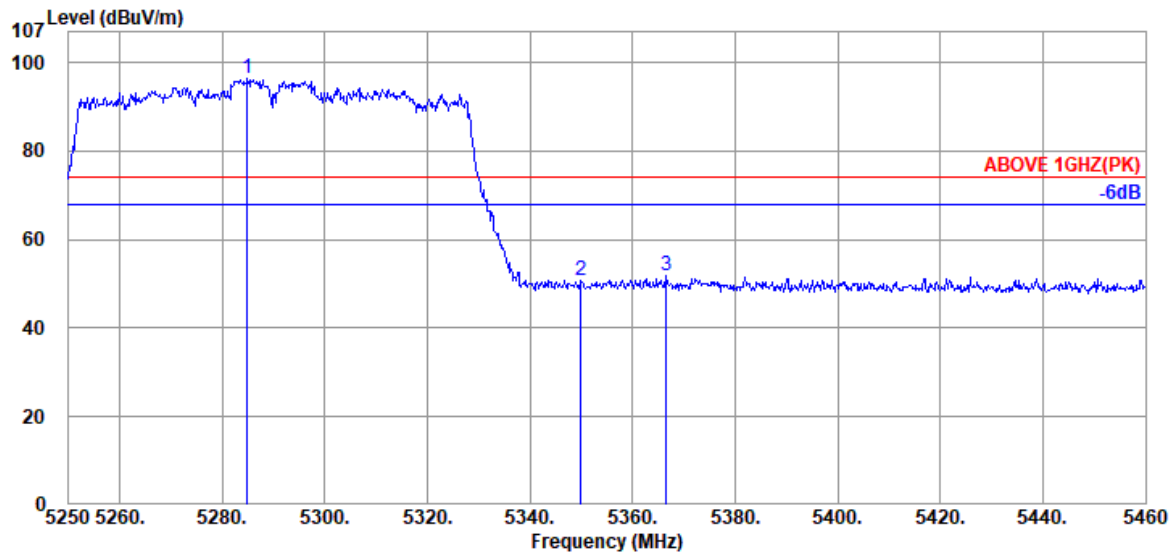


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5146.050	34.20	10.70	34.35	29.45	40.00	54.00	14.00	Average
5149.950	34.20	10.70	34.35	28.60	39.15	54.00	14.85	Average
@ 5215.500	34.25	10.74	34.33	71.15	81.81	---	---	Average

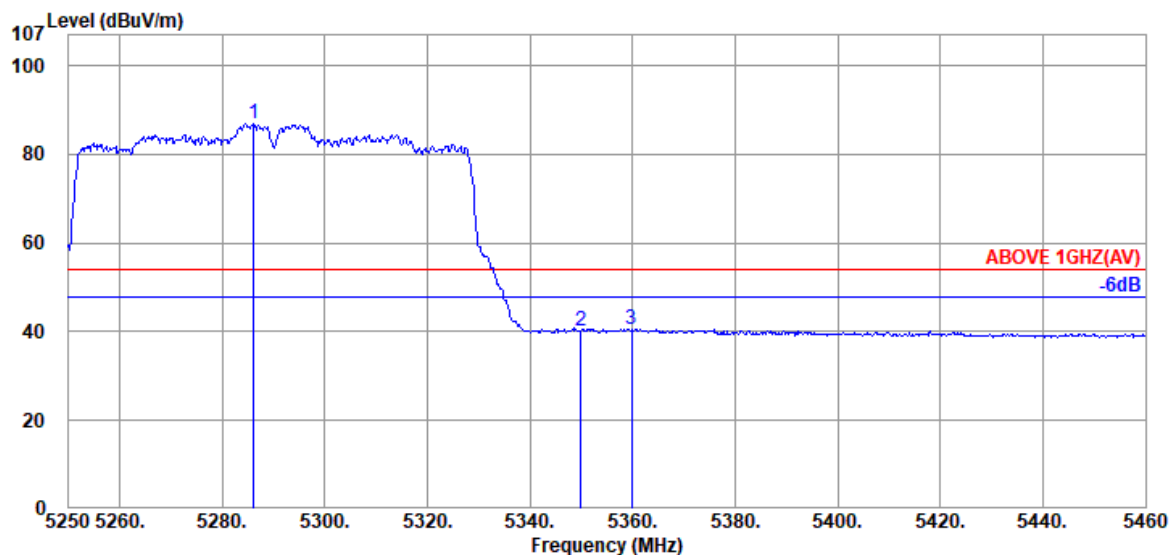
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11ac-VHT80	U-NII Band	II
		Frequency	TX 5290MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5284.860	34.47	10.79	34.30	85.48	96.44	---	---	Peak
5349.960	34.60	10.83	34.27	39.43	50.59	74.00	23.41	Peak
5366.550	34.63	10.85	34.27	40.76	51.97	74.00	22.03	Peak

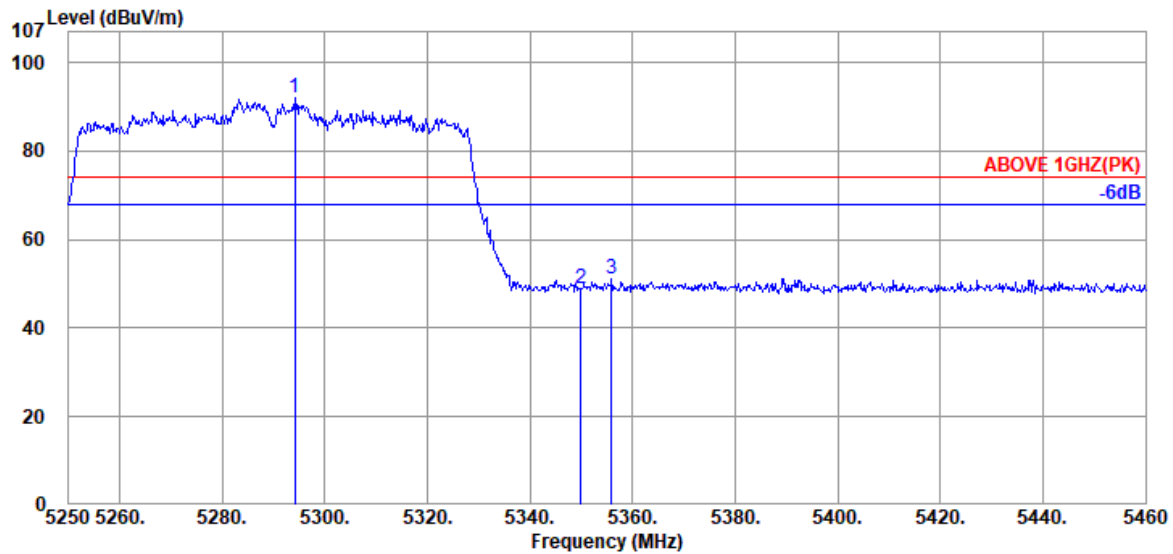


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5286.120	34.47	10.79	34.30	76.03	86.99	---	---	Average
5349.960	34.60	10.83	34.27	28.88	40.04	54.00	13.96	Average
5359.830	34.63	10.85	34.27	29.40	40.61	54.00	13.39	Average

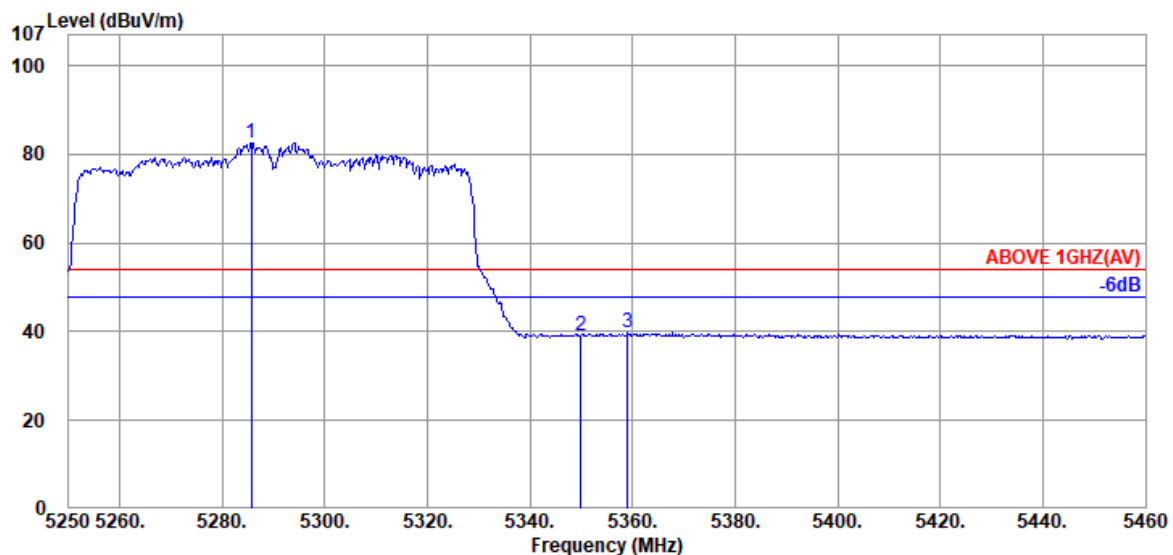
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11ac-VHT80	U-NII Band	II
		Frequency	TX 5290MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 5294.100	34.50	10.81	34.30	80.91	91.92	---	---	Peak
5349.960	34.60	10.83	34.27	37.81	48.97	74.00	25.03	Peak
5355.840	34.63	10.85	34.27	40.08	51.29	74.00	22.71	Peak

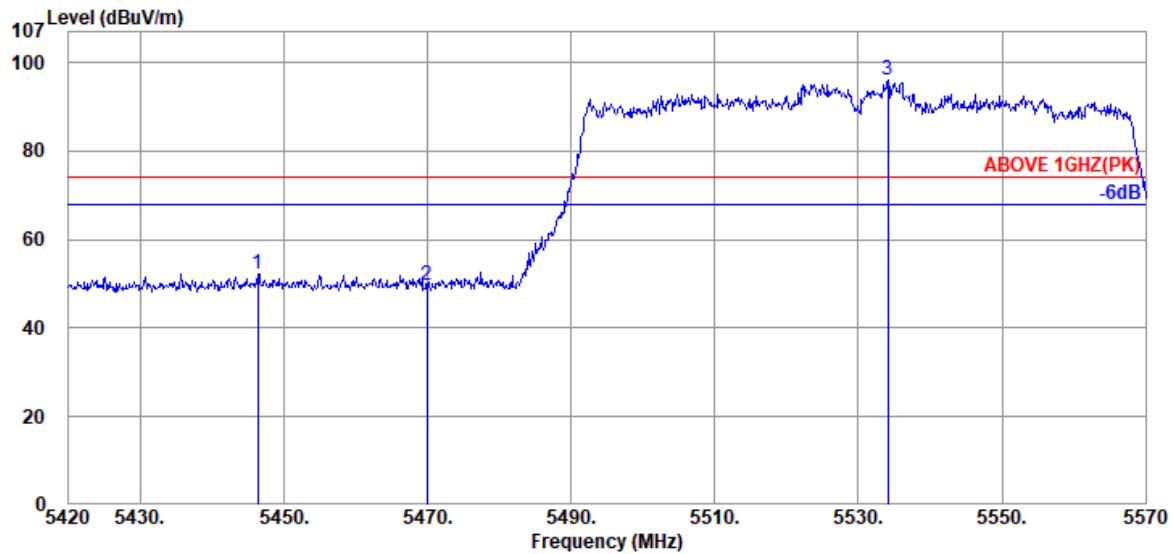


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 5285.700	34.47	10.79	34.30	71.64	82.60	---	---	Average
5349.960	34.60	10.83	34.27	27.81	38.97	54.00	15.03	Average
5358.990	34.63	10.85	34.27	28.53	39.74	54.00	14.26	Average

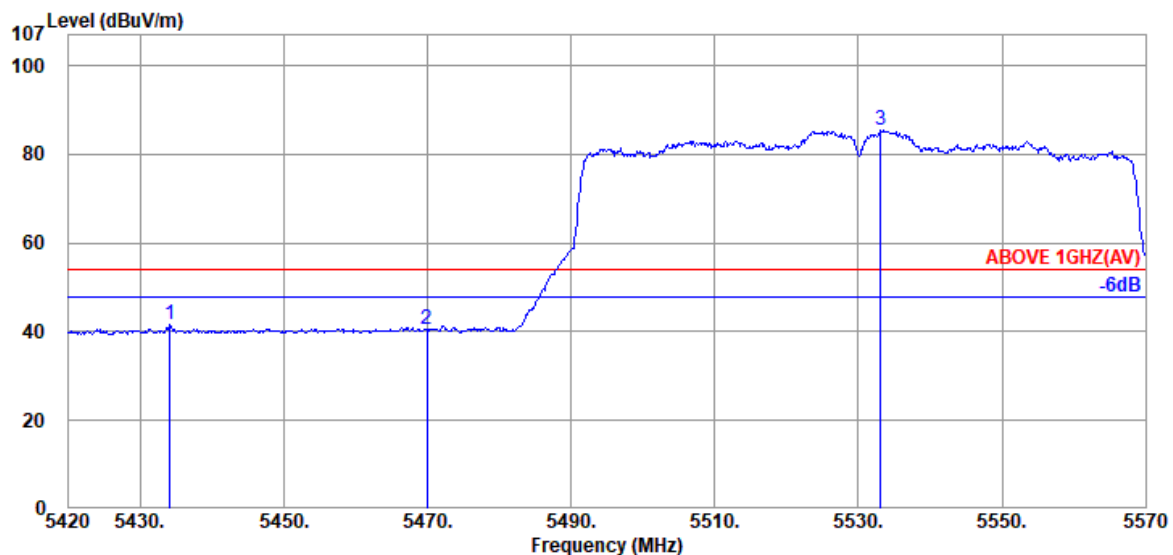
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11ac-VHT80	U-NII Band	III
		Frequency	TX 5530MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5446.400	34.55	10.89	34.25	41.05	52.24	74.00	21.76	Peak
5469.950	34.47	10.91	34.24	38.47	49.61	74.00	24.39	Peak
@ 5534.150	34.33	10.95	34.25	84.93	95.96	---	---	Peak

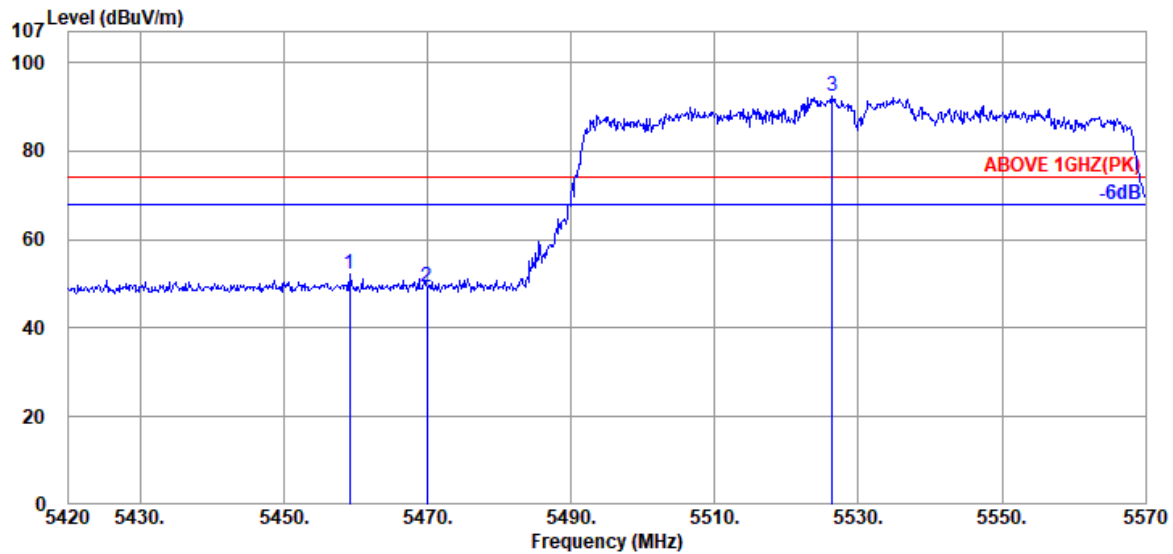


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5434.100	34.55	10.89	34.25	30.38	41.57	54.00	12.43	Average
5469.950	34.47	10.91	34.24	29.45	40.59	54.00	13.41	Average
@ 5533.100	34.33	10.95	34.25	74.43	85.46	---	---	Average

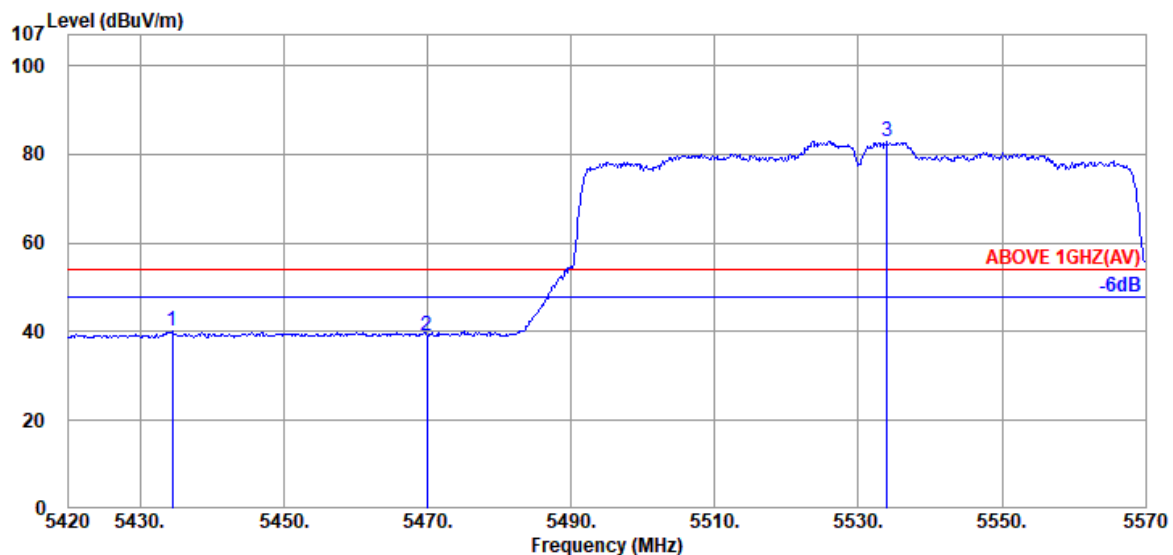
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11ac-VHT80	U-NII Band	III
		Frequency	TX 5530MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5459.150	34.50	10.89	34.24	41.10	52.25	74.00	21.75	Peak
5469.950	34.47	10.91	34.24	38.04	49.18	74.00	24.82	Peak
@ 5526.350	34.37	10.93	34.25	81.52	92.57	---	---	Peak



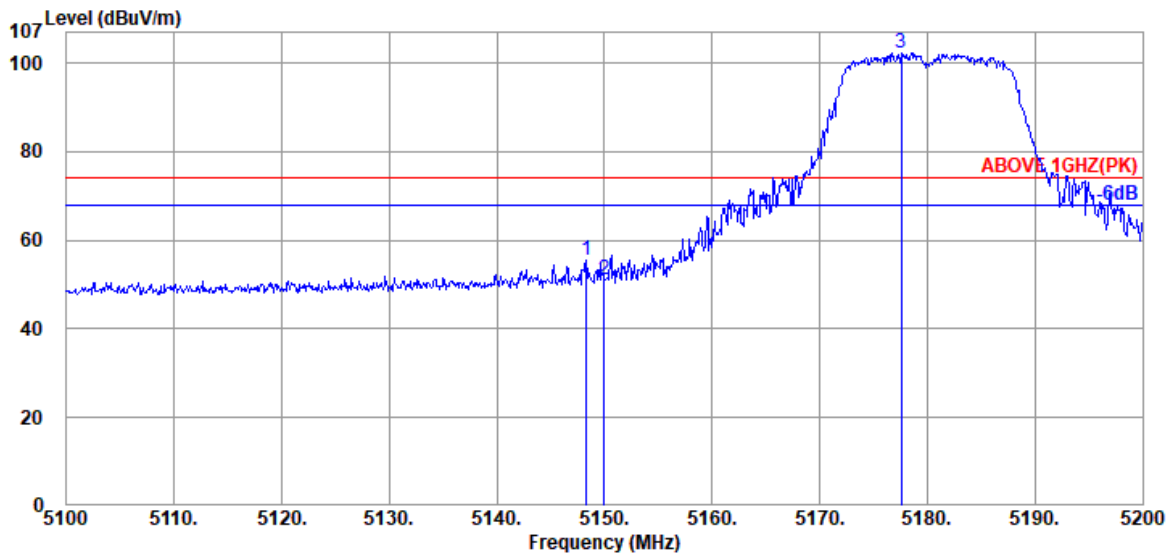
Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5434.400	34.55	10.89	34.25	28.83	40.02	54.00	13.98	Average
5469.950	34.47	10.91	34.24	27.99	39.13	54.00	14.87	Average
@ 5534.000	34.33	10.95	34.25	72.04	83.07	---	---	Average

備註：“@”為主波，在此章節是不予以判定。

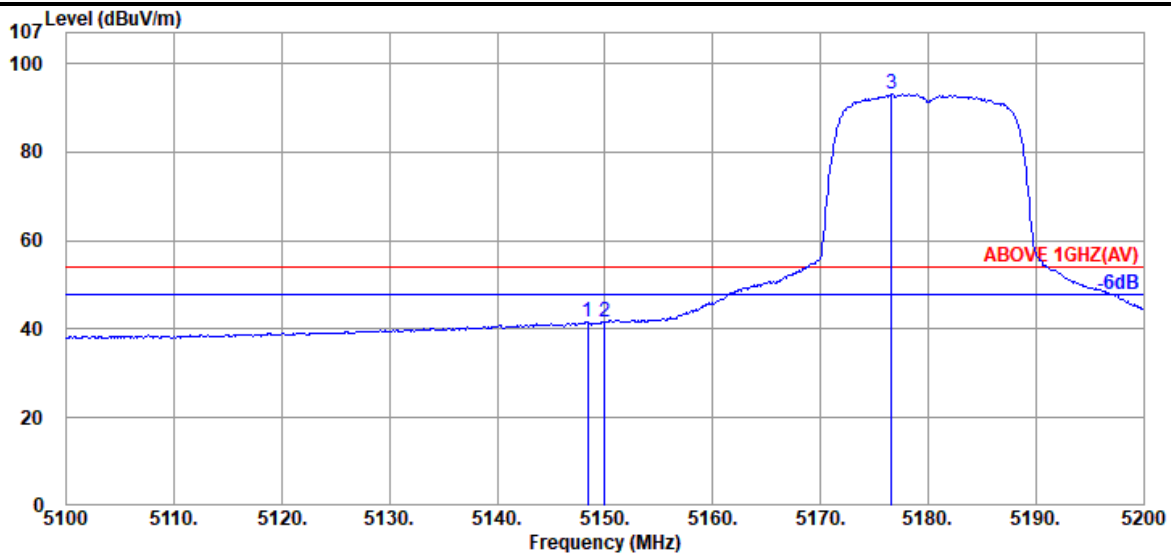
無線模組	LBEE5ZZ1PJ
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Mode	802.11a	U-NII Band	I
		Frequency	TX 5180MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5148.300	34.20	10.70	34.35	45.04	55.59	74.00	18.41	Peak
5150.000	34.20	10.70	34.35	40.44	50.99	74.00	23.01	Peak
@ 5177.600	34.20	10.72	34.34	91.79	102.37	---	---	Peak

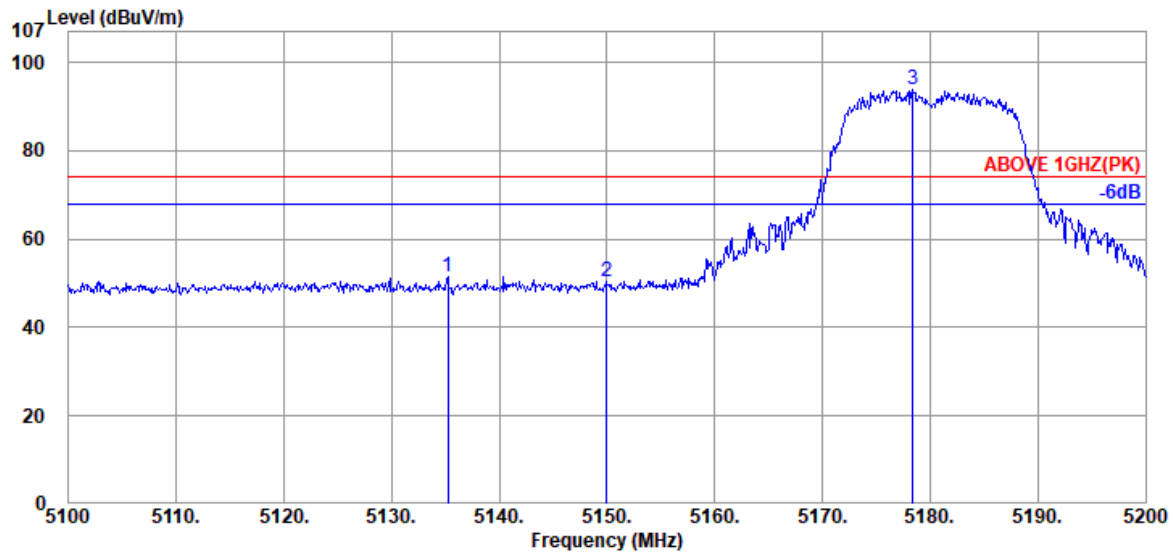


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5148.400	34.20	10.70	34.35	31.05	41.60	54.00	12.40	Average
5150.000	34.20	10.70	34.35	31.07	41.62	54.00	12.38	Average
@ 5176.600	34.20	10.72	34.34	82.46	93.04	---	---	Average

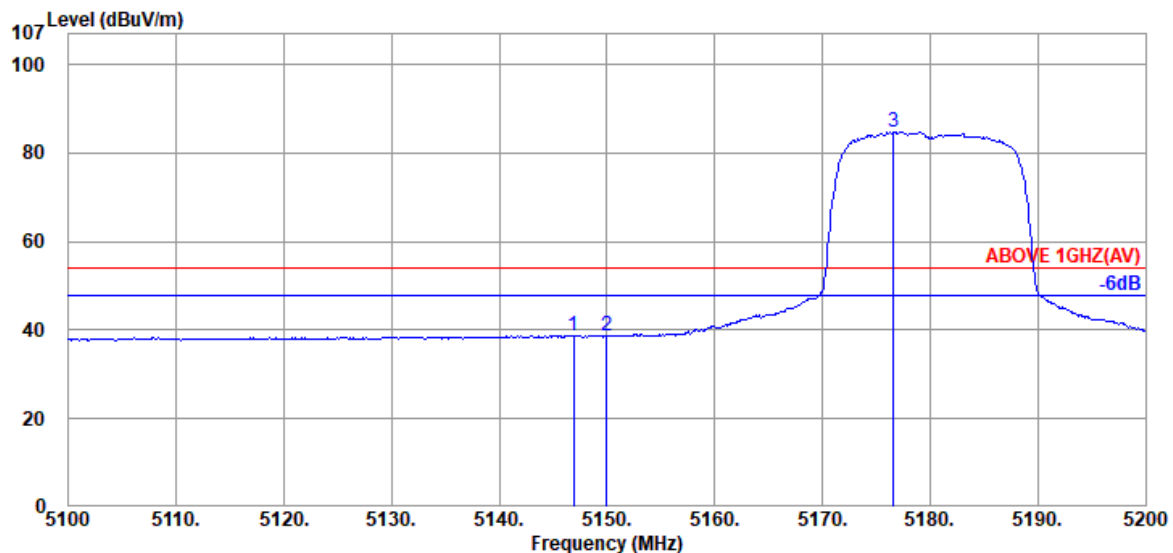
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	U-NII Band	I
		Frequency	TX 5180MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5135.200	34.17	10.70	34.36	41.03	51.54	74.00	22.46	Peak
5150.000	34.20	10.70	34.35	39.84	50.39	74.00	23.61	Peak
@ 5178.400	34.20	10.72	34.34	83.23	93.81	---	---	Peak

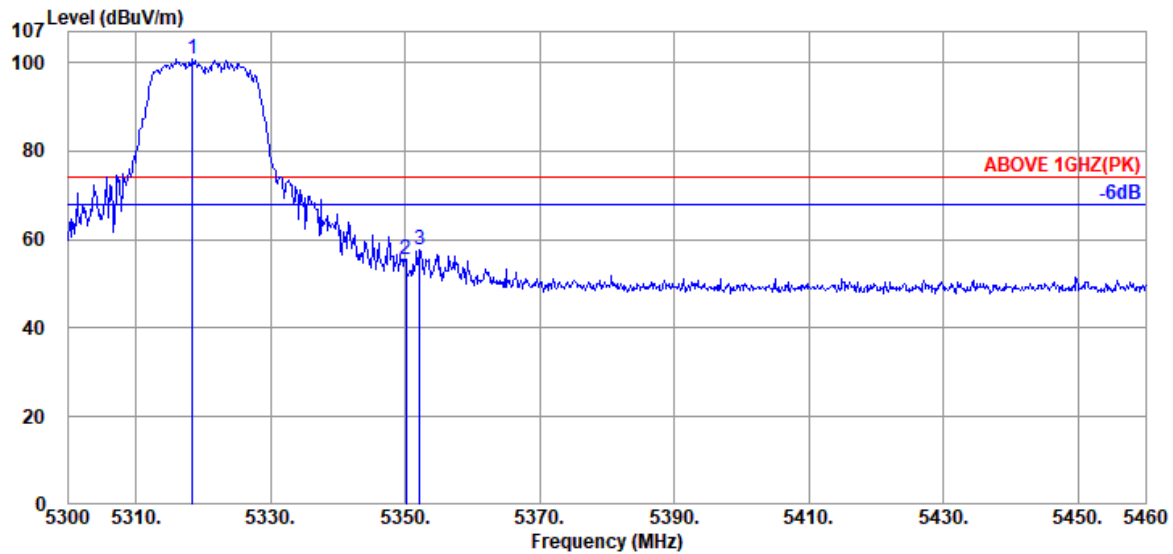


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5146.900	34.20	10.70	34.35	28.32	38.87	54.00	15.13	Average
5150.000	34.20	10.70	34.35	28.16	38.71	54.00	15.29	Average
@ 5176.600	34.20	10.72	34.34	74.28	84.86	---	---	Average

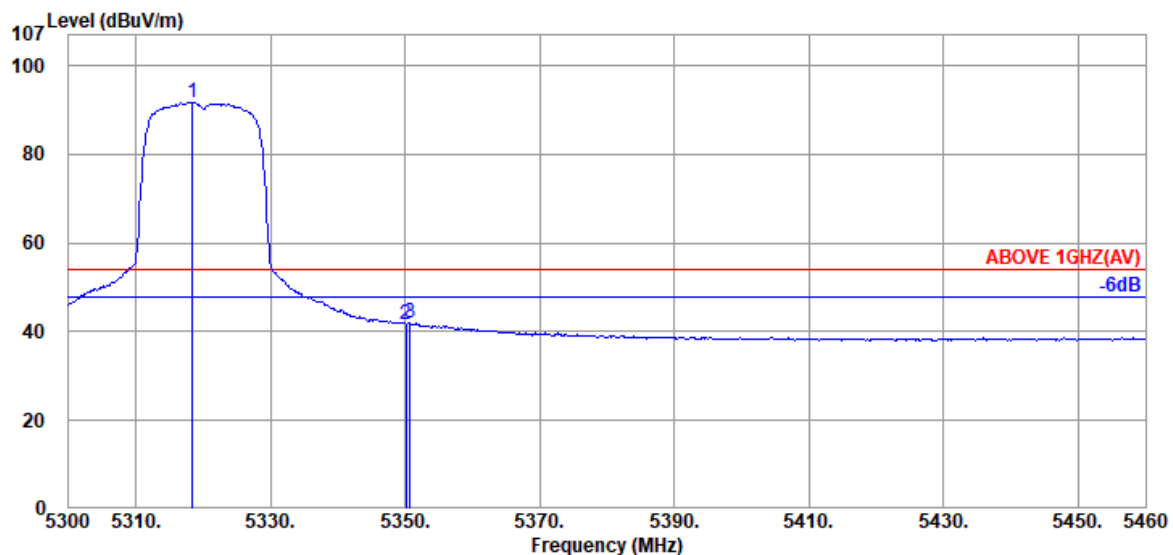
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	U-NII Band	II
		Frequency	TX 5320MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 5318.400	34.53	10.81	34.29	89.66	100.71	---	---	Peak
5350.080	34.60	10.83	34.27	44.22	55.38	74.00	18.62	Peak
5352.160	34.60	10.83	34.27	46.49	57.65	74.00	16.35	Peak

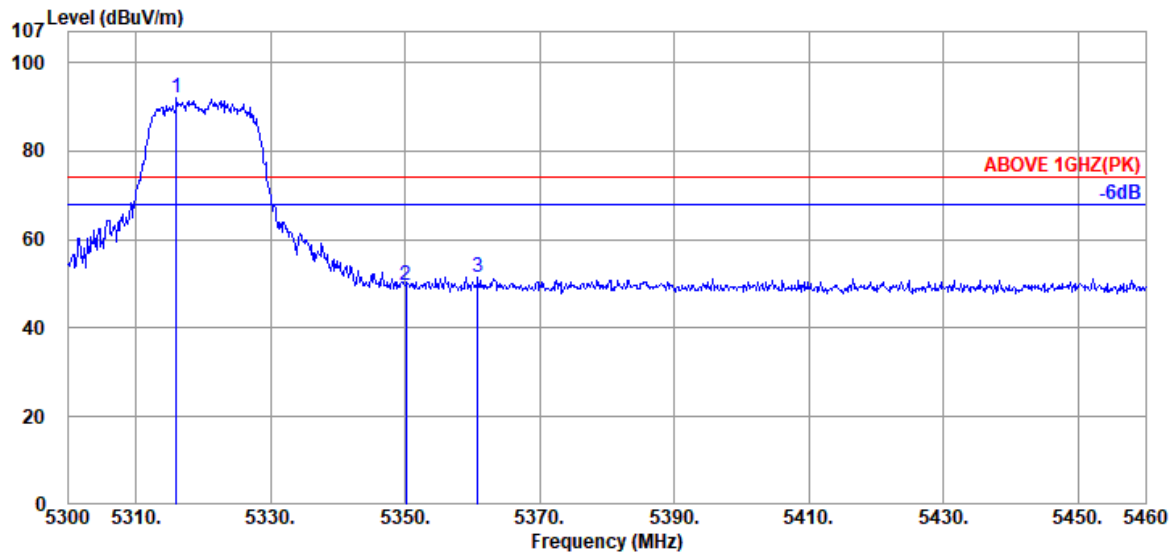


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 5318.400	34.53	10.81	34.29	80.57	91.62	---	---	Average
5350.080	34.60	10.83	34.27	30.57	41.73	54.00	12.27	Average
5350.720	34.60	10.83	34.27	30.81	41.97	54.00	12.03	Average

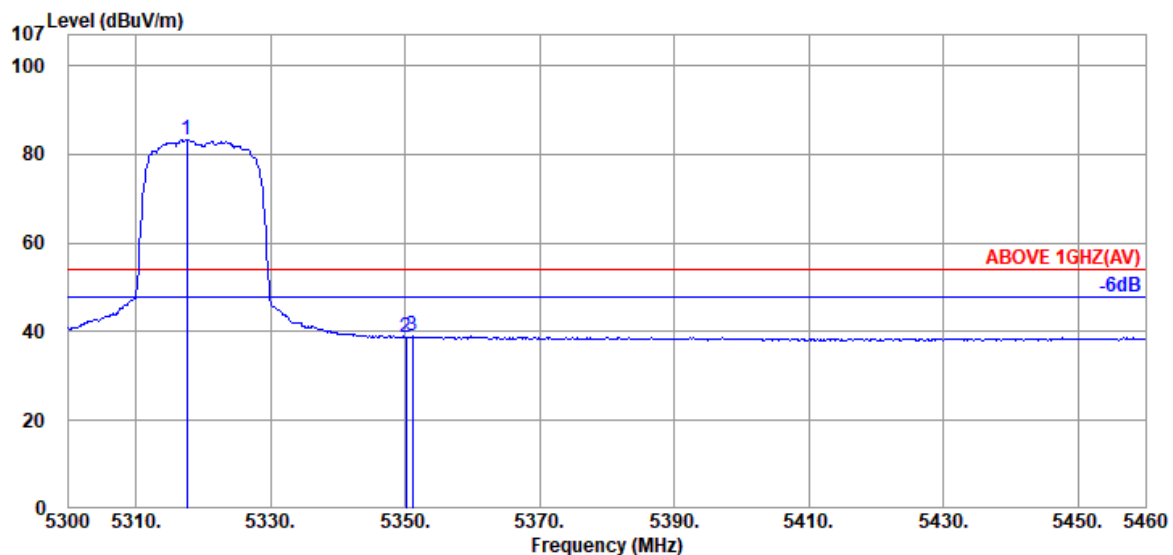
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	U-NII Band	II
		Frequency	TX 5320MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5316.000	34.53	10.81	34.29	80.82	91.87	---	---	Peak
5350.080	34.60	10.83	34.27	38.40	49.56	74.00	24.44	Peak
5360.800	34.63	10.85	34.27	40.42	51.63	74.00	22.37	Peak

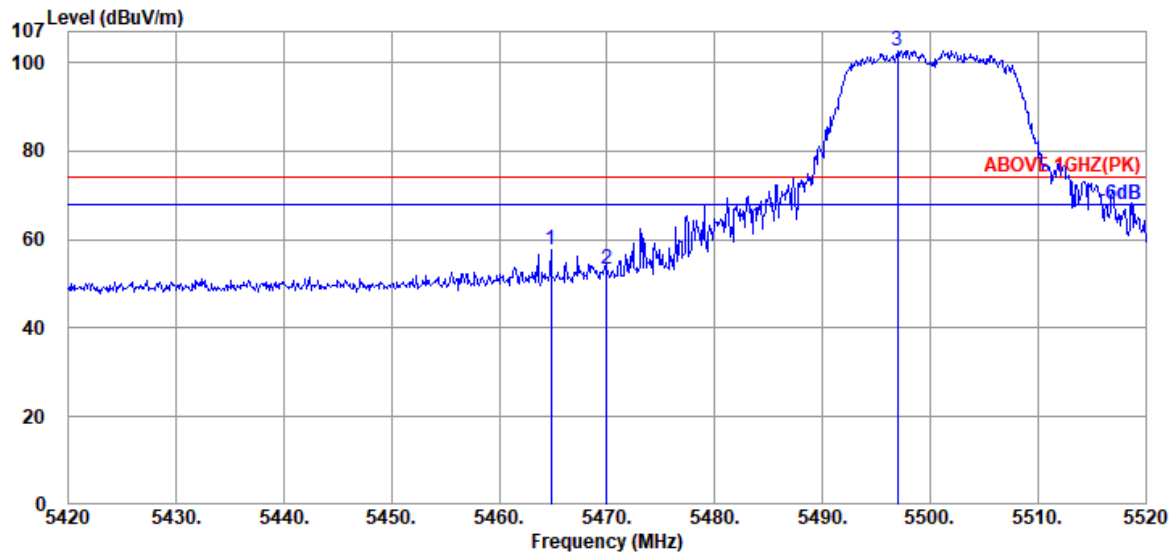


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5317.600	34.53	10.81	34.29	72.32	83.37	---	---	Average
5350.080	34.60	10.83	34.27	27.43	38.59	54.00	15.41	Average
5351.040	34.60	10.83	34.27	27.76	38.92	54.00	15.08	Average

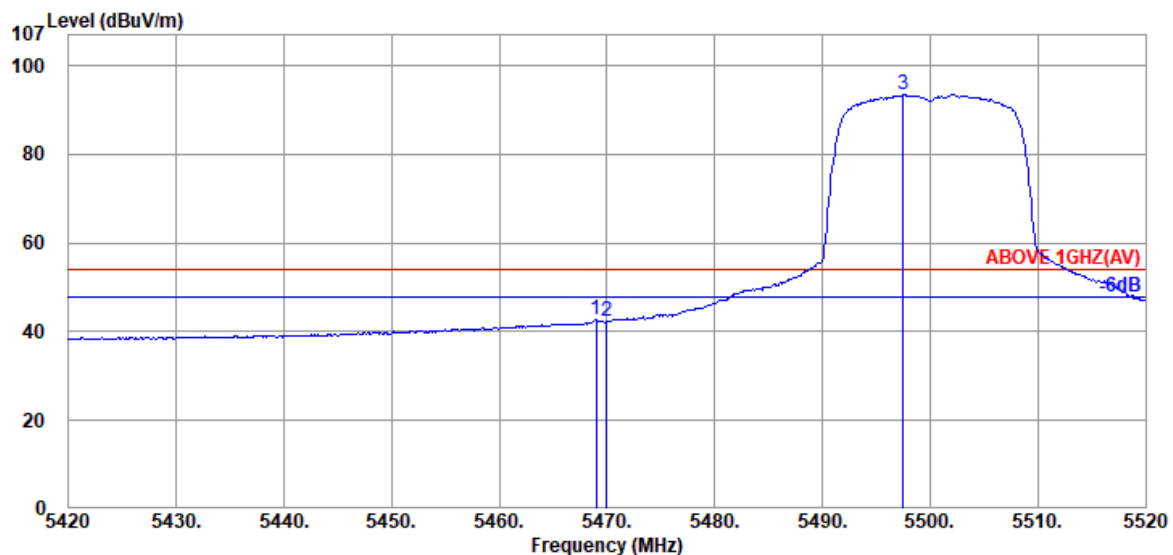
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	U-NII Band	III
		Frequency	TX 5500MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5464.800	34.47	10.91	34.24	46.45	57.59	74.00	16.41	Peak
5470.000	34.47	10.91	34.24	42.11	53.25	74.00	20.75	Peak
@ 5497.000	34.40	10.93	34.23	91.64	102.74	---	---	Peak

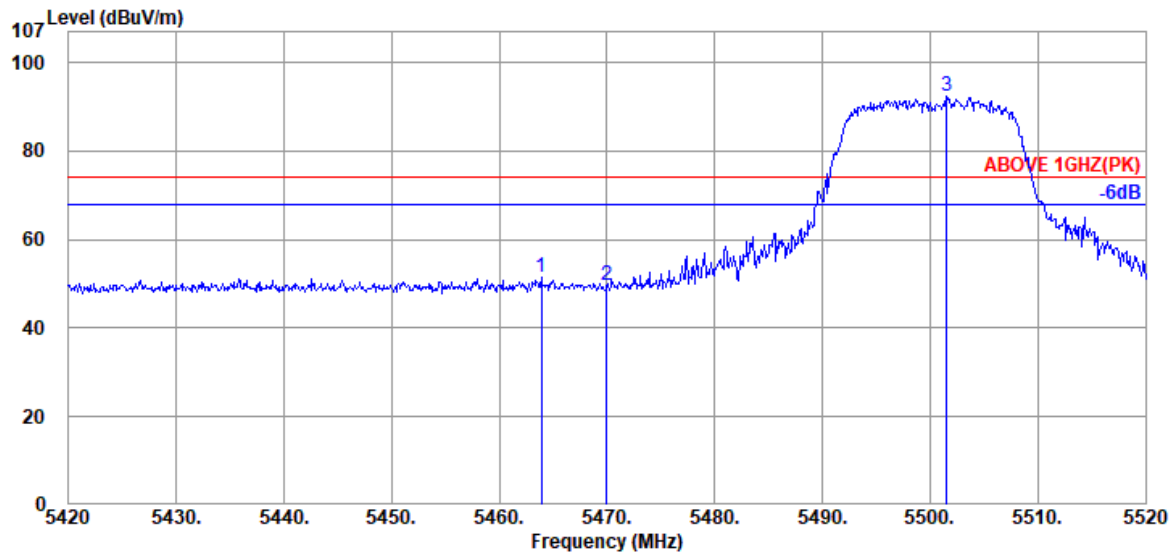


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5469.000	34.47	10.91	34.24	31.55	42.69	54.00	11.31	Average
5470.000	34.47	10.91	34.24	31.32	42.46	54.00	11.54	Average
@ 5497.500	34.40	10.93	34.23	82.36	93.46	---	---	Average

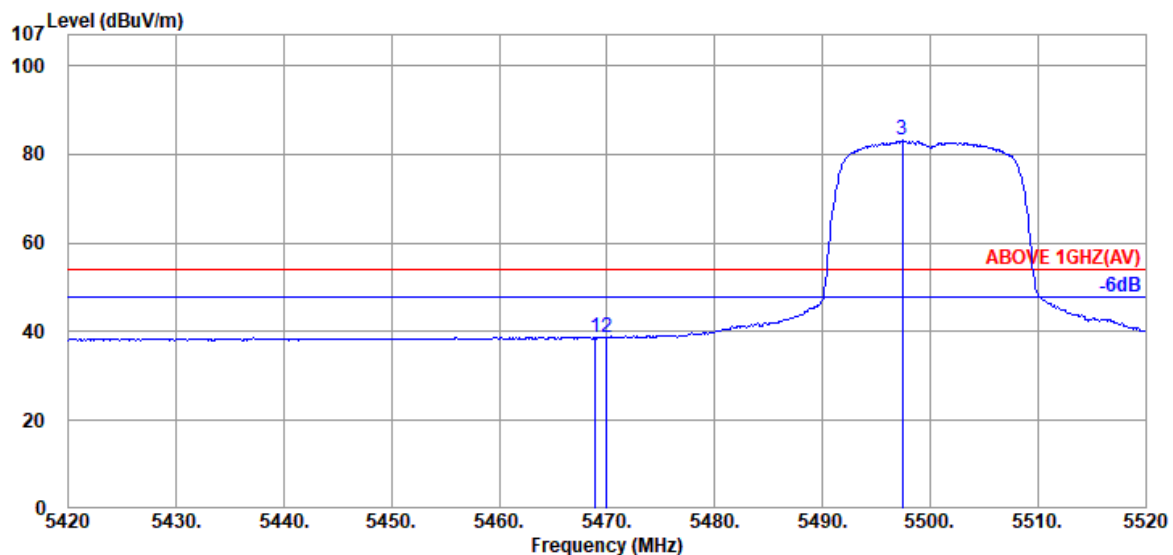
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	U-NII Band	III
		Frequency	TX 5500MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBMV)	Emission Level (dBMV/m)	Limits (dBMV/m)	Margin (dB)	Detector
5463.900	34.47	10.91	34.24	40.32	51.46	74.00	22.54	Peak
5470.000	34.47	10.91	34.24	38.35	49.49	74.00	24.51	Peak
@ 5501.500	34.40	10.93	34.24	81.25	92.34	---	---	Peak

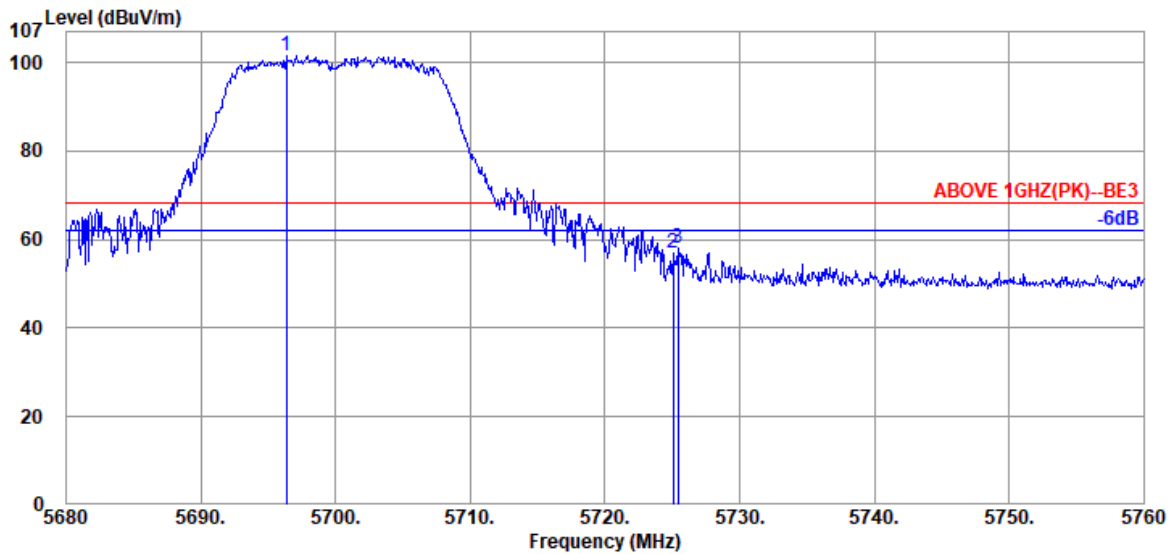


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBMV)	Emission Level (dBMV/m)	Limits (dBMV/m)	Margin (dB)	Detector
5468.900	34.47	10.91	34.24	27.72	38.86	54.00	15.14	Average
5470.000	34.47	10.91	34.24	27.51	38.65	54.00	15.35	Average
@ 5497.400	34.40	10.93	34.23	72.10	83.20	---	---	Average

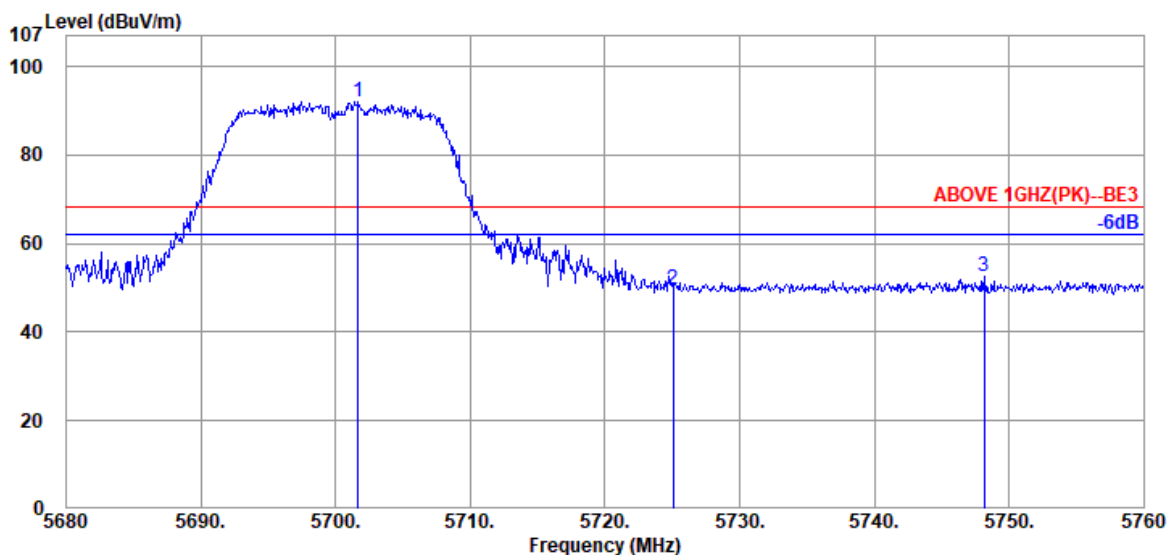
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	U-NII Band	III
		Frequency	TX 5700MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5696.320	34.40	11.03	34.31	90.43	101.55	---	---	Peak
5725.040	34.67	11.05	34.32	45.45	56.85	68.20	11.35	Peak
5725.440	34.67	11.05	34.32	46.72	58.12	68.20	10.08	Peak

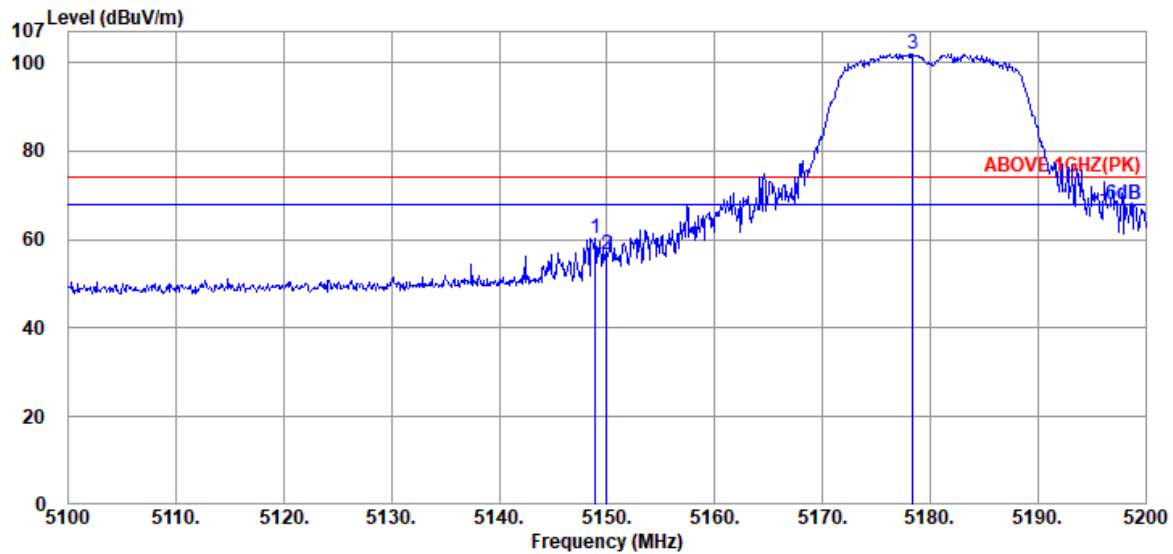


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5701.680	34.40	11.03	34.31	81.03	92.15	---	---	Peak
5725.040	34.67	11.05	34.32	38.24	49.64	68.20	18.56	Peak
5748.160	34.80	11.06	34.33	40.93	52.46	68.20	15.74	Peak

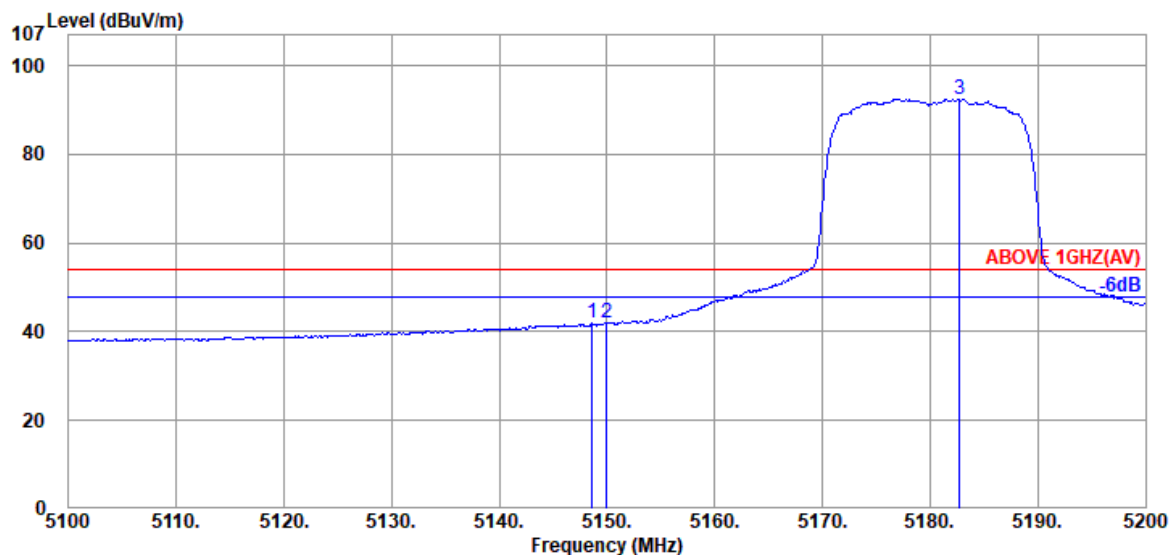
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	U-NII Band	I
		Frequency	TX 5180MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5148.900	34.20	10.70	34.35	49.86	60.41	74.00	13.59	Peak
5150.000	34.20	10.70	34.35	46.19	56.74	74.00	17.26	Peak
@ 5178.400	34.20	10.72	34.34	91.47	102.05	---	---	Peak

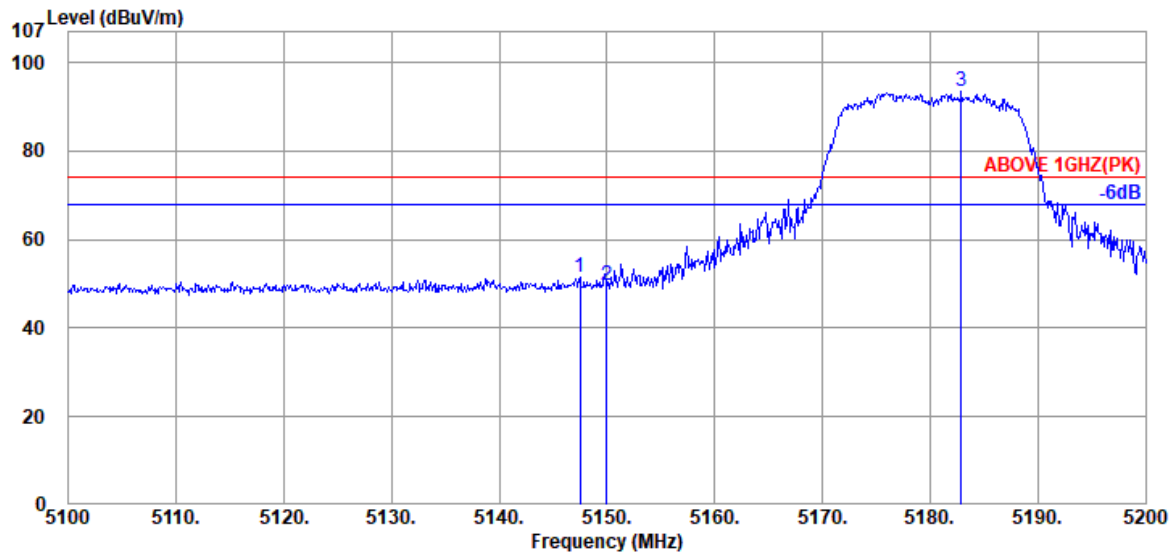


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5148.600	34.20	10.70	34.35	31.28	41.83	54.00	12.17	Average
5150.000	34.20	10.70	34.35	31.40	41.95	54.00	12.05	Average
@ 5182.700	34.20	10.72	34.34	81.81	92.39	---	---	Average

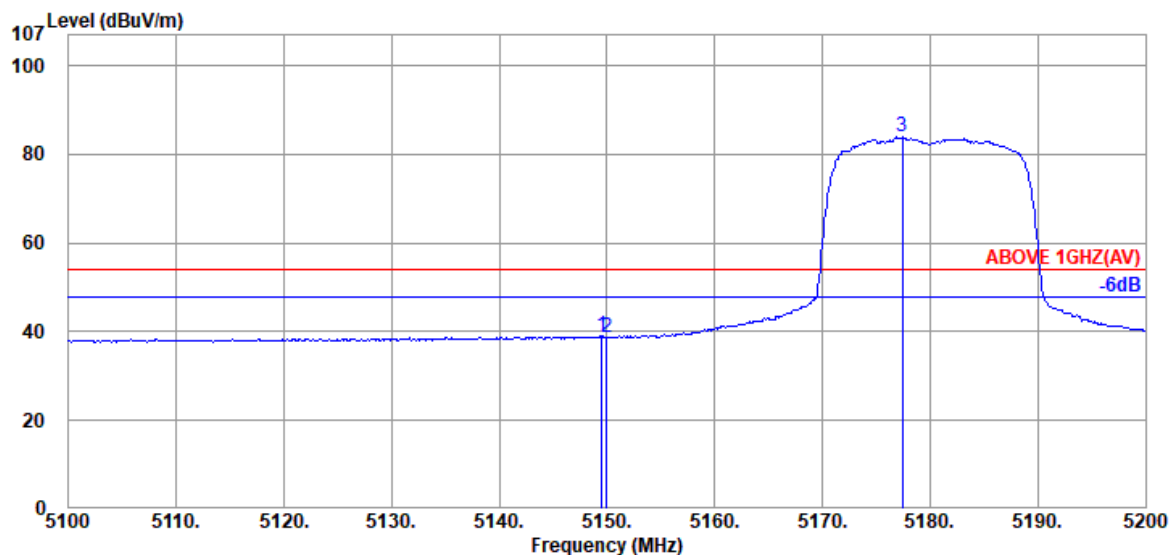
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	U-NII Band	I
		Frequency	TX 5180MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5147.500	34.20	10.70	34.35	40.81	51.36	74.00	22.64	Peak
5150.000	34.20	10.70	34.35	39.17	49.72	74.00	24.28	Peak
@ 5182.900	34.20	10.72	34.34	82.84	93.42	---	---	Peak

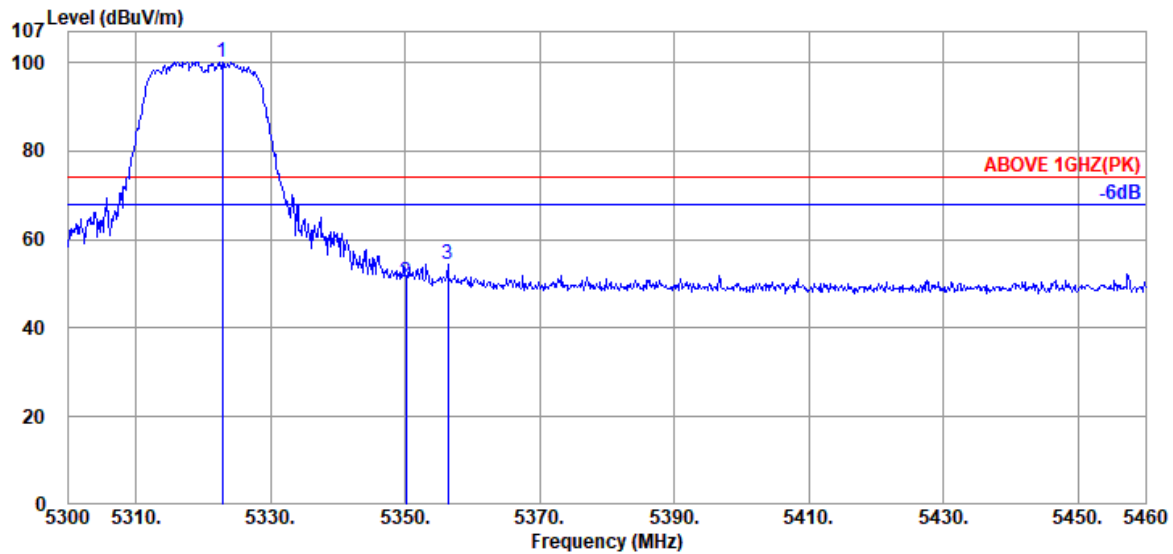


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5149.500	34.20	10.70	34.35	28.45	39.00	54.00	15.00	Average
5150.000	34.20	10.70	34.35	28.21	38.76	54.00	15.24	Average
@ 5177.400	34.20	10.72	34.34	73.28	83.86	---	---	Average

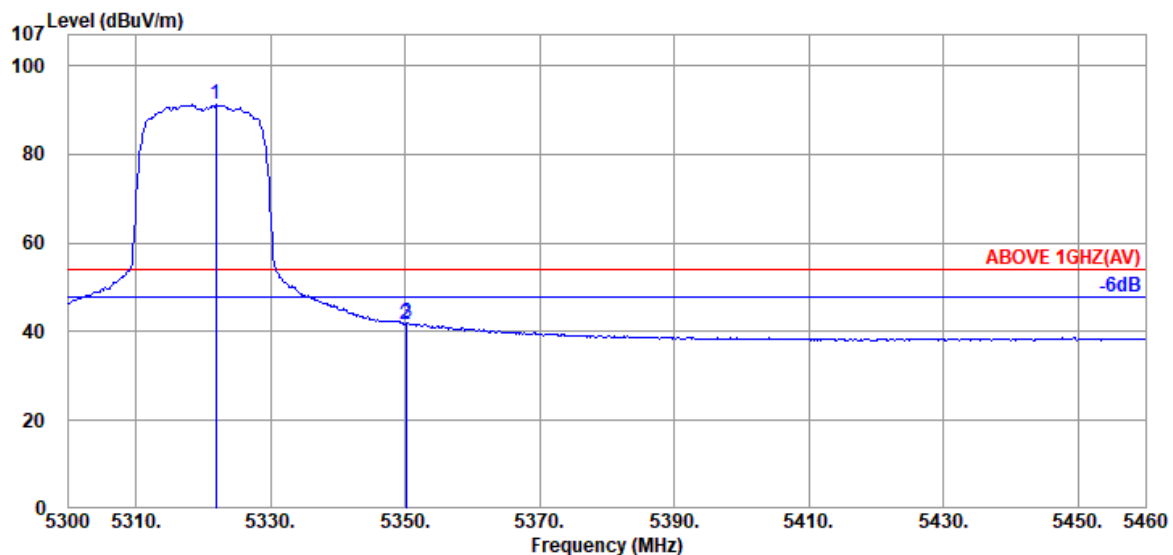
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	U-NII Band	II
		Frequency	TX 5320MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5322.880	34.53	10.83	34.28	89.09	100.17	---	---	Peak
5350.080	34.60	10.83	34.27	39.29	50.45	74.00	23.55	Peak
5356.320	34.63	10.85	34.27	43.12	54.33	74.00	19.67	Peak

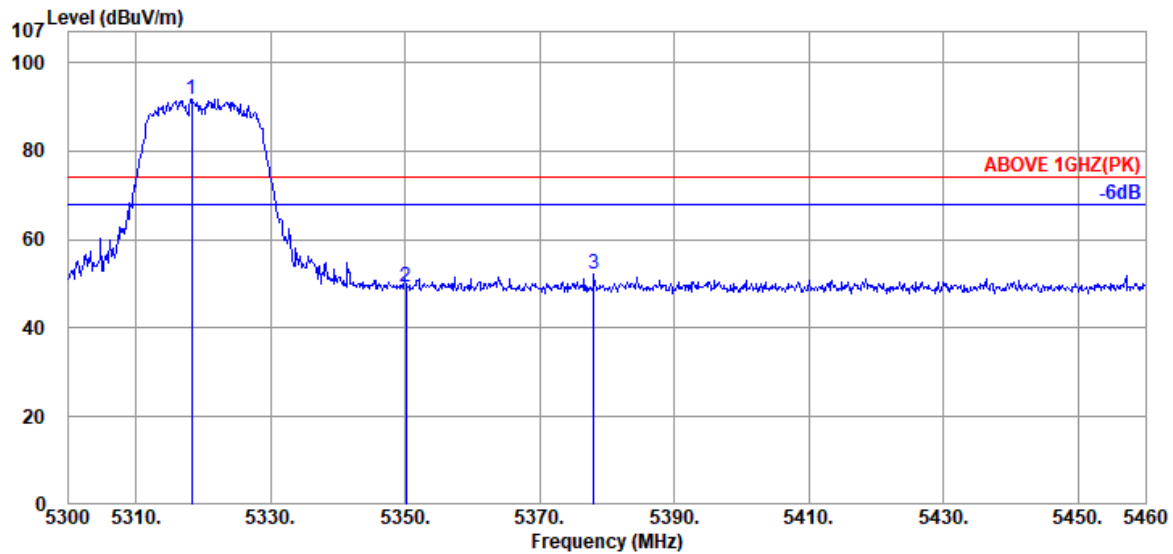


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5321.920	34.53	10.83	34.29	80.05	91.12	---	---	Average
5350.080	34.60	10.83	34.27	30.59	41.75	54.00	12.25	Average
5350.240	34.60	10.83	34.27	30.68	41.84	54.00	12.16	Average

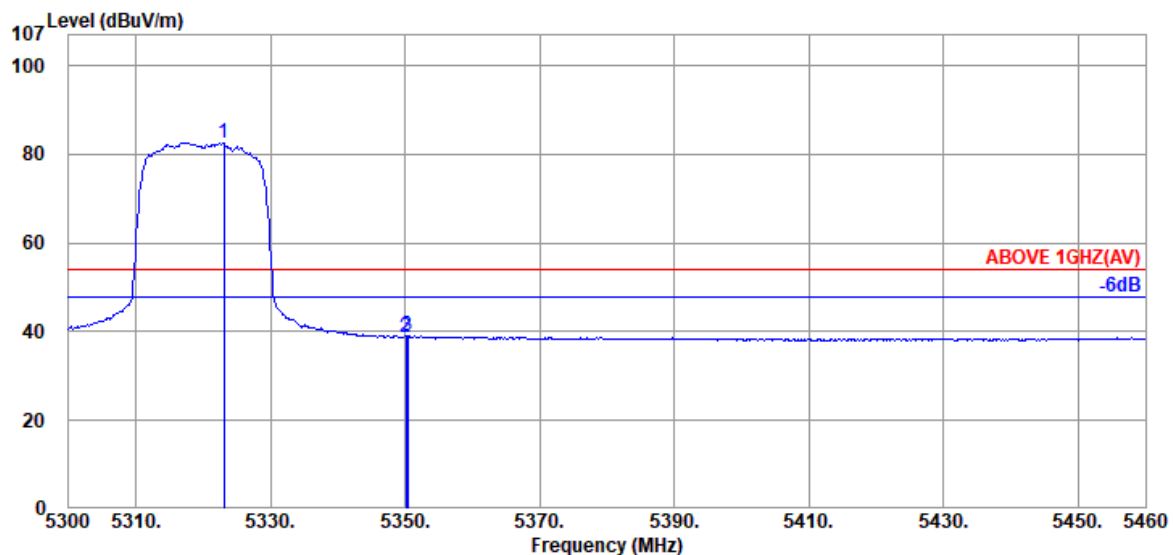
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	U-NII Band	II
		Frequency	TX 5320MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5318.240	34.53	10.81	34.29	80.53	91.58	---	---	Peak
5350.080	34.60	10.83	34.27	38.15	49.31	74.00	24.69	Peak
5378.080	34.67	10.85	34.27	41.13	52.38	74.00	21.62	Peak

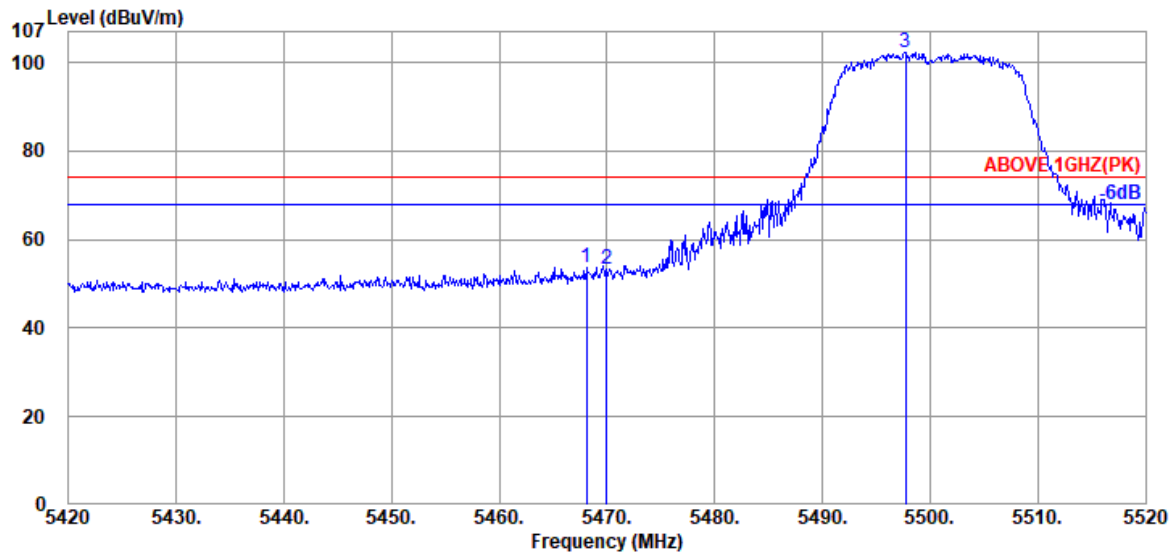


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5323.040	34.53	10.83	34.28	71.54	82.62	---	---	Average
5350.080	34.60	10.83	34.27	27.64	38.80	54.00	15.20	Average
5350.400	34.60	10.83	34.27	27.96	39.12	54.00	14.88	Average

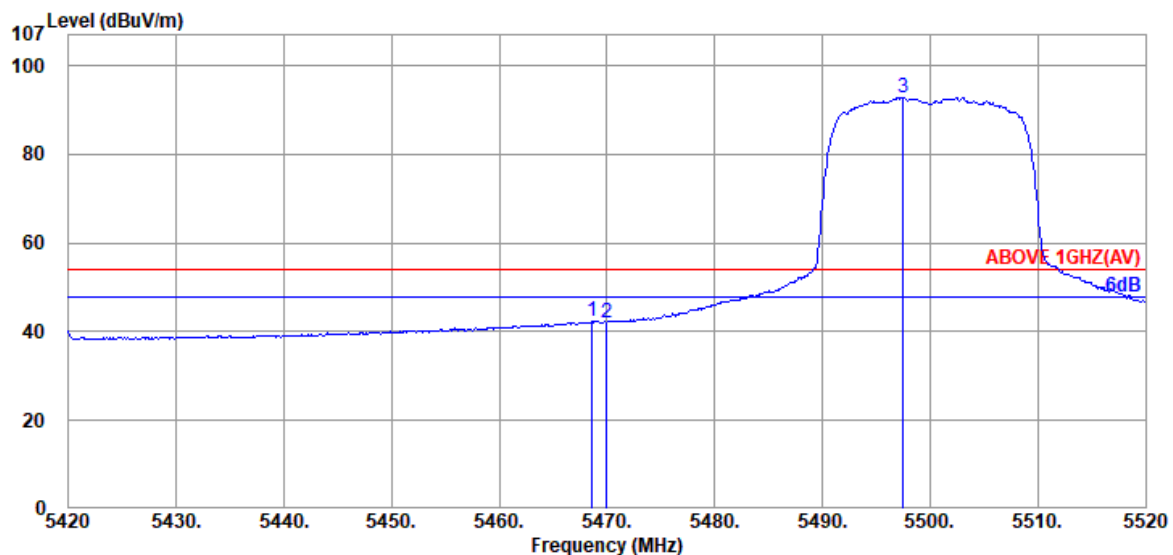
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	U-NII Band	III
		Frequency	TX 5500MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5468.100	34.47	10.91	34.24	42.46	53.60	74.00	20.40	Peak
5470.000	34.47	10.91	34.24	42.14	53.28	74.00	20.72	Peak
@ 5497.700	34.40	10.93	34.23	91.25	102.35	---	---	Peak

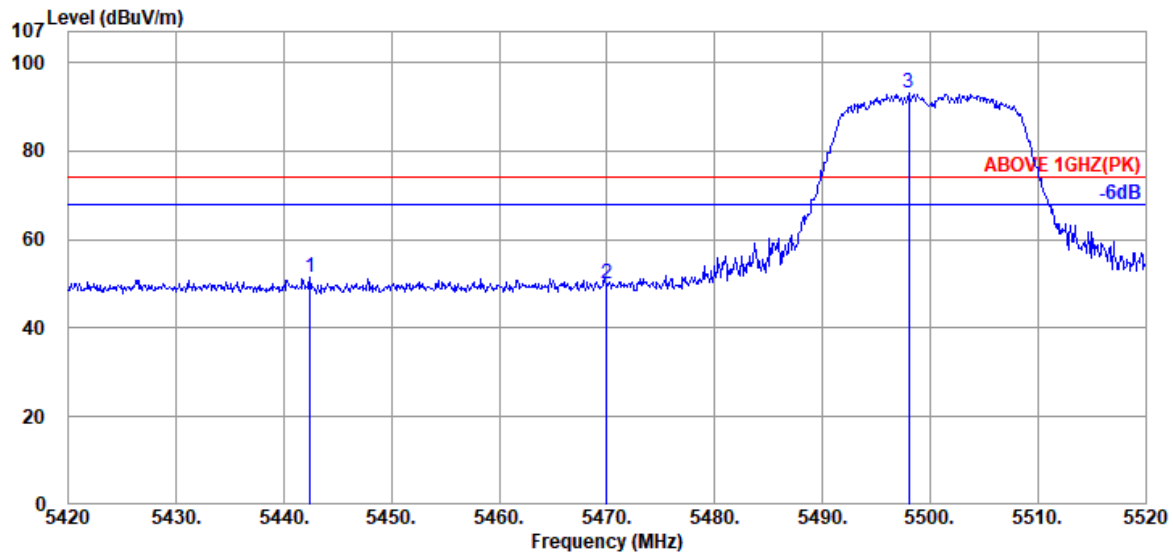


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5468.600	34.47	10.91	34.24	31.18	42.32	54.00	11.68	Average
5470.000	34.47	10.91	34.24	31.00	42.14	54.00	11.86	Average
@ 5497.500	34.40	10.93	34.23	81.75	92.85	---	---	Average

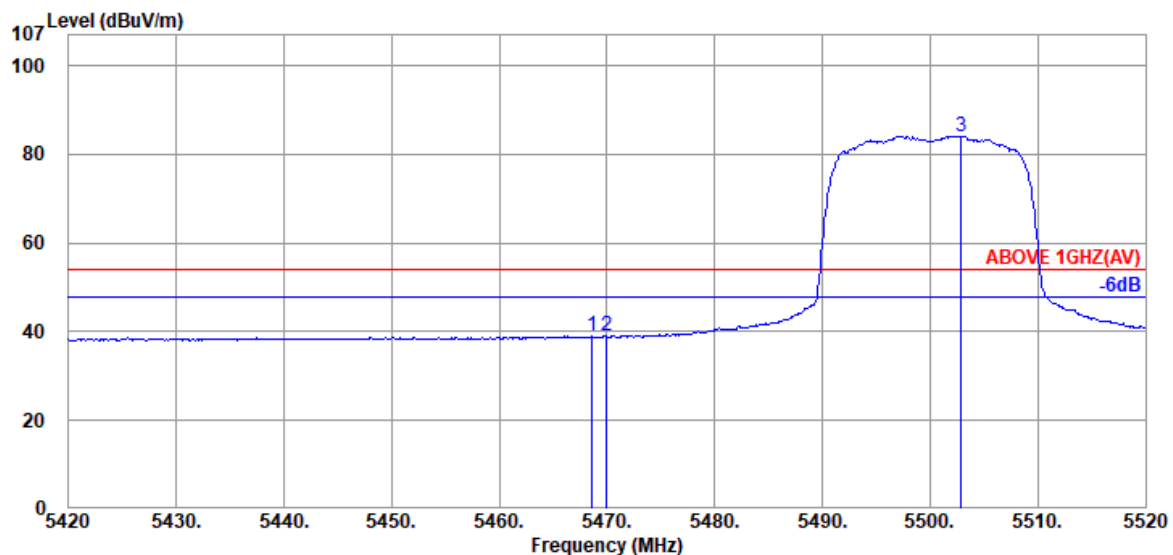
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	U-NII Band	III
		Frequency	TX 5500MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5442.400	34.55	10.89	34.25	40.23	51.42	74.00	22.58	Peak
5470.000	34.47	10.91	34.24	38.71	49.85	74.00	24.15	Peak
@ 5498.000	34.40	10.93	34.23	81.95	93.05	---	---	Peak

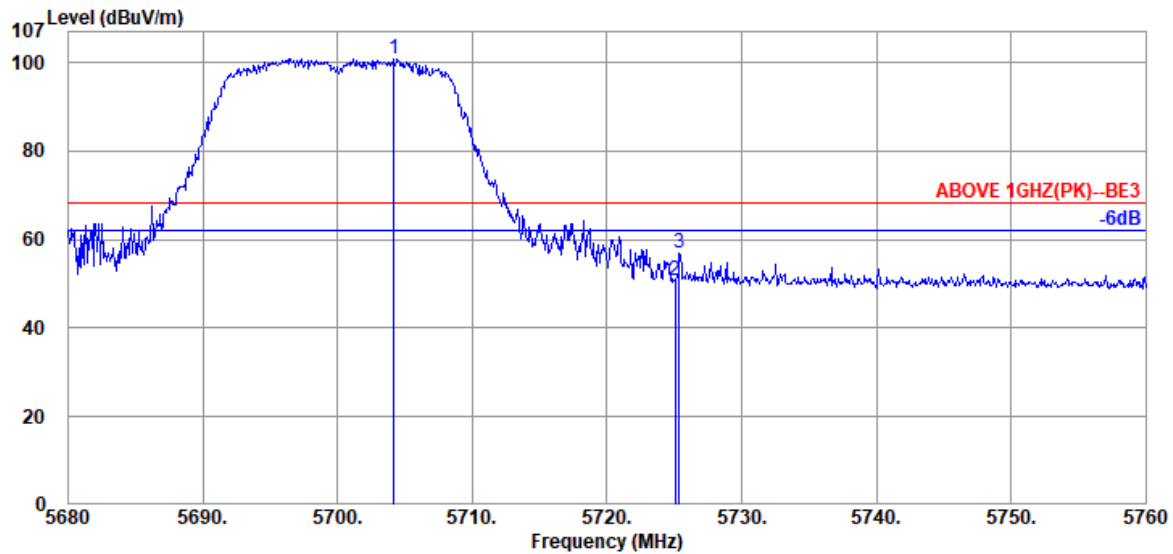


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5468.600	34.47	10.91	34.24	27.80	38.94	54.00	15.06	Average
5470.000	34.47	10.91	34.24	27.90	39.04	54.00	14.96	Average
@ 5502.900	34.40	10.93	34.24	73.00	84.09	---	---	Average

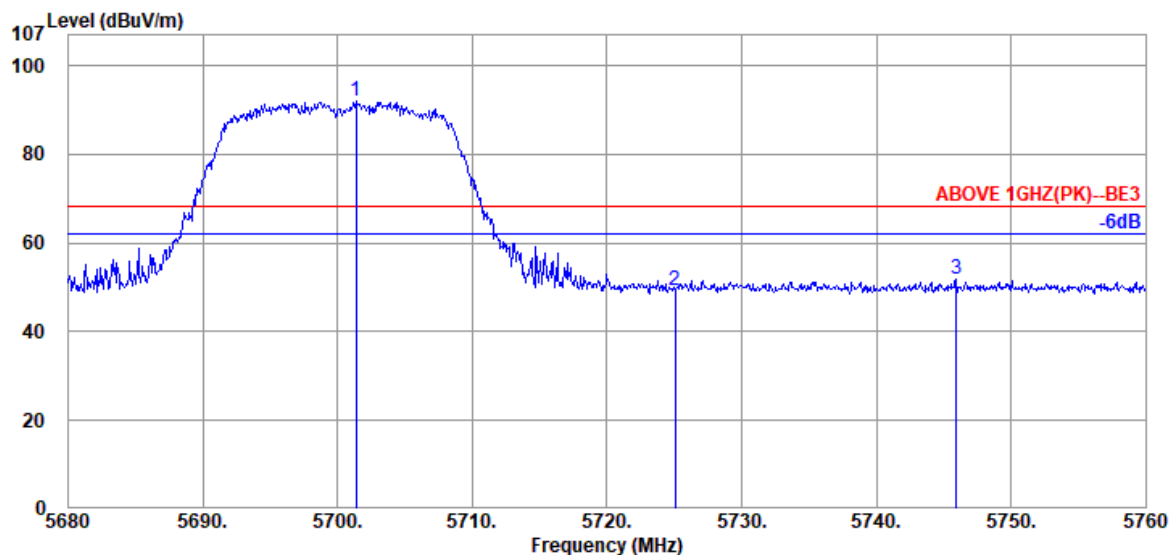
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	U-NII Band	III
		Frequency	TX 5700MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5704.160	34.40	11.03	34.31	89.68	100.80	---	---	Peak
5725.040	34.67	11.05	34.32	39.34	50.74	68.20	17.46	Peak
5725.360	34.67	11.05	34.32	45.40	56.80	68.20	11.40	Peak

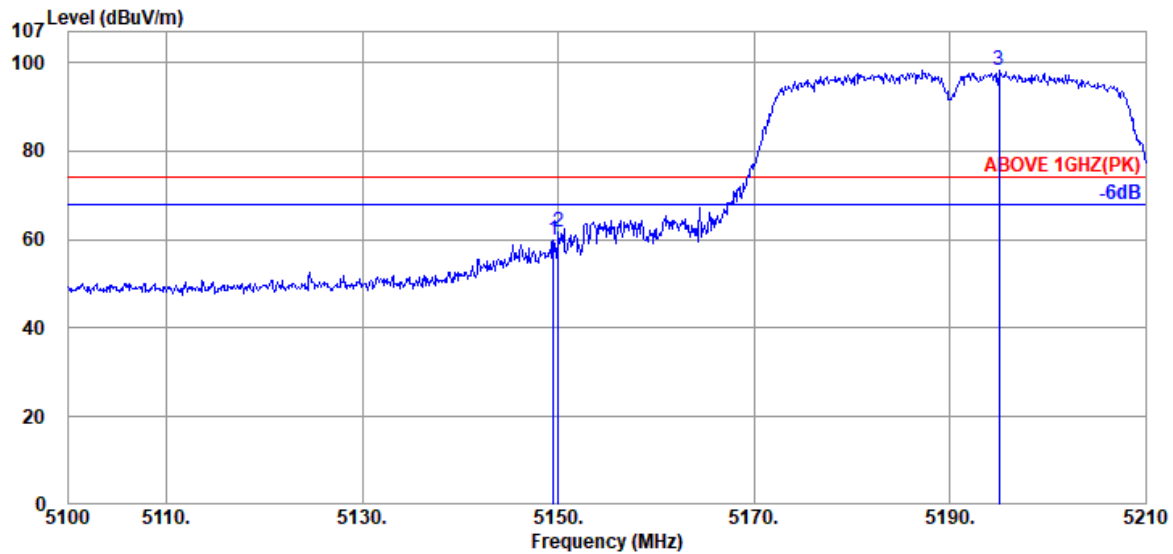


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5701.360	34.40	11.03	34.31	80.77	91.89	---	---	Peak
5725.040	34.67	11.05	34.32	38.05	49.45	68.20	18.75	Peak
5745.920	34.80	11.05	34.33	40.18	51.70	68.20	16.50	Peak

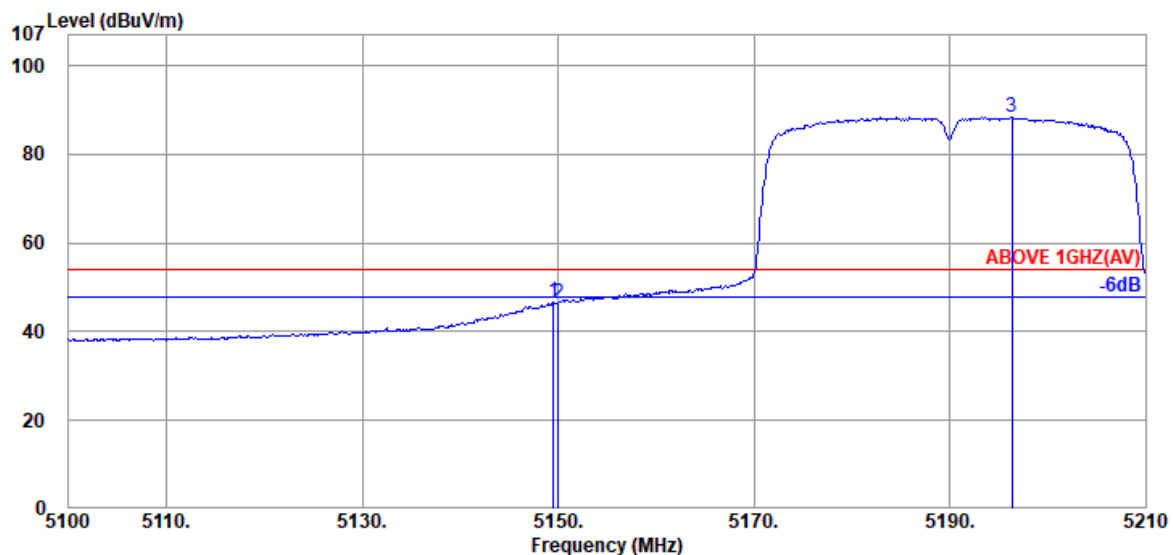
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	U-NII Band	I
		Frequency	TX 5190MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5149.500	34.20	10.70	34.35	49.42	59.97	74.00	14.03	Peak
5150.050	34.20	10.70	34.35	51.07	61.62	74.00	12.38	Peak
@ 5195.040	34.20	10.74	34.33	87.50	98.11	---	---	Peak

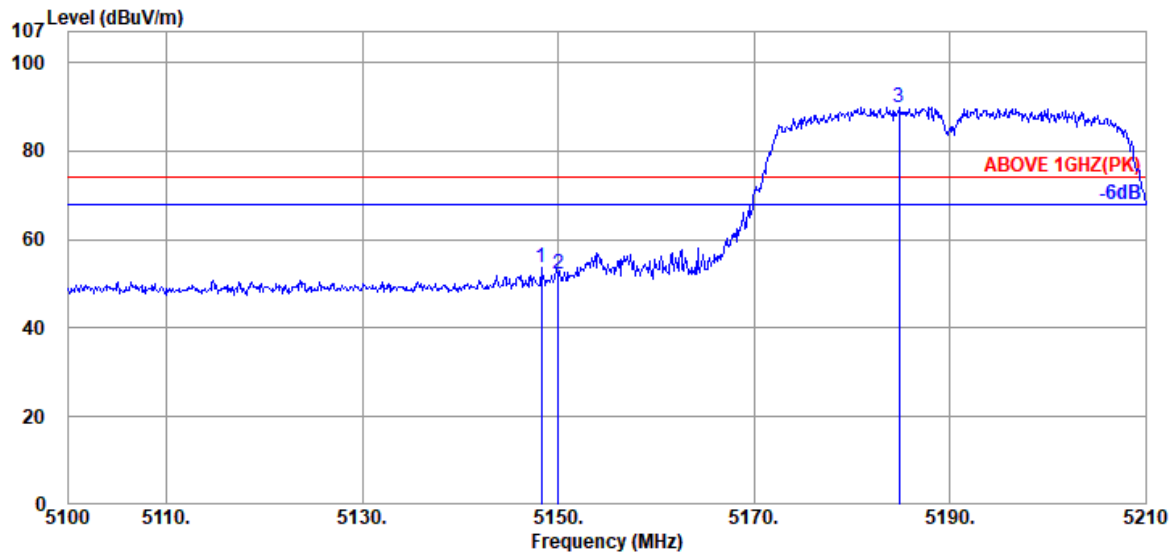


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5149.500	34.20	10.70	34.35	36.08	46.63	54.00	7.37	Average
5150.050	34.20	10.70	34.35	35.82	46.37	54.00	7.63	Average
@ 5196.360	34.20	10.74	34.33	77.64	88.25	---	---	Average

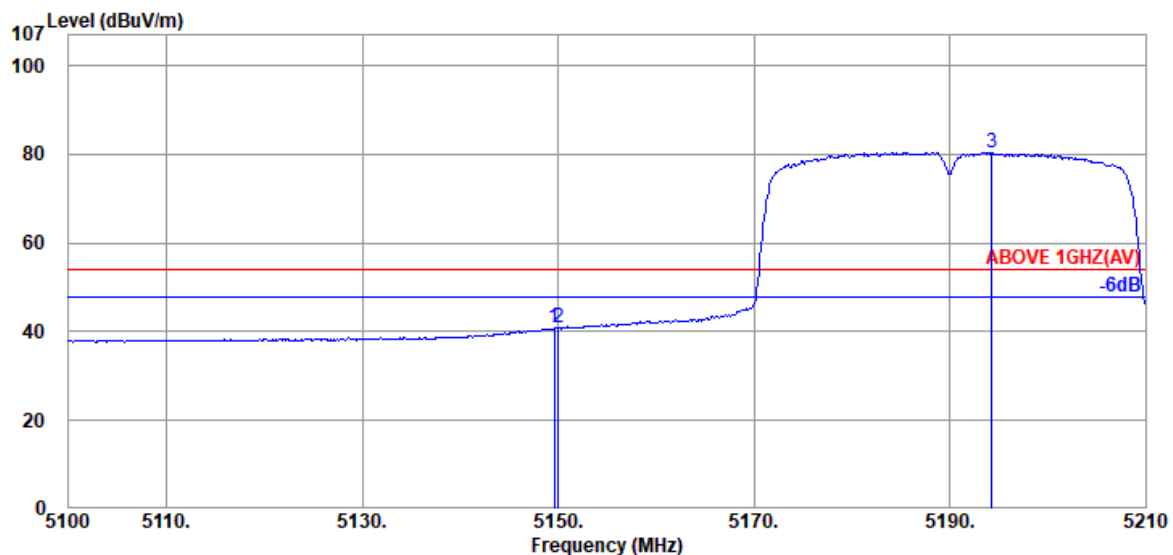
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	U-NII Band	I
		Frequency	TX 5190MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5148.290	34.20	10.70	34.35	43.06	53.61	74.00	20.39	Peak
5150.050	34.20	10.70	34.35	41.49	52.04	74.00	21.96	Peak
@ 5184.810	34.20	10.72	34.34	79.25	89.83	---	---	Peak

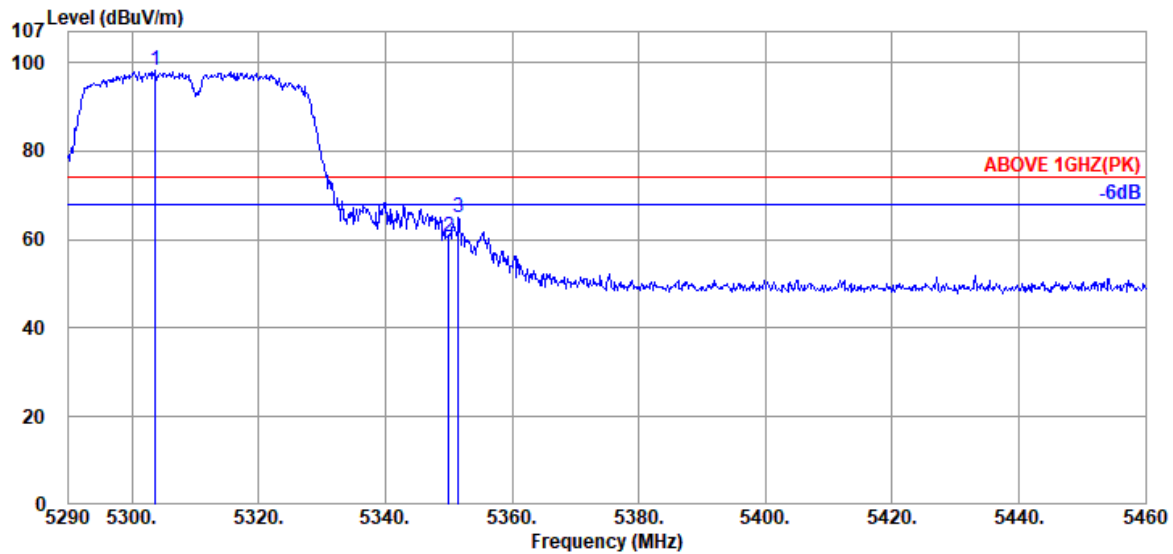


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5149.610	34.20	10.70	34.35	30.25	40.80	54.00	13.20	Average
5150.050	34.20	10.70	34.35	30.17	40.72	54.00	13.28	Average
@ 5194.270	34.20	10.74	34.34	69.86	80.46	---	---	Average

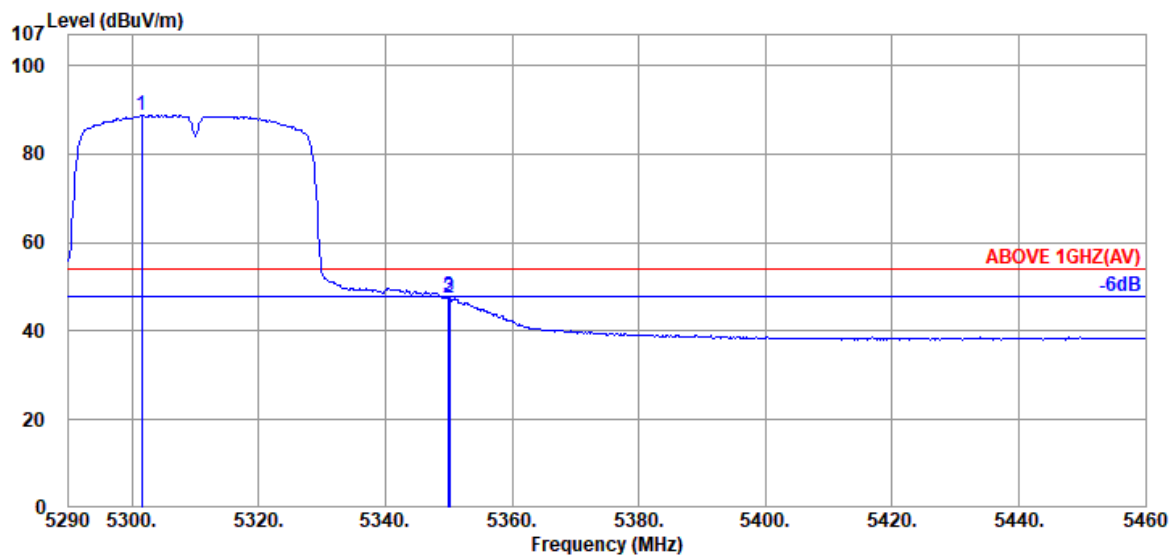
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	U-NII Band	II
		Frequency	TX 5310MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 5303.770	34.50	10.81	34.29	87.07	98.09	---	---	Peak
5350.010	34.60	10.83	34.27	49.45	60.61	74.00	13.39	Peak
5351.540	34.60	10.83	34.27	53.75	64.91	74.00	9.09	Peak

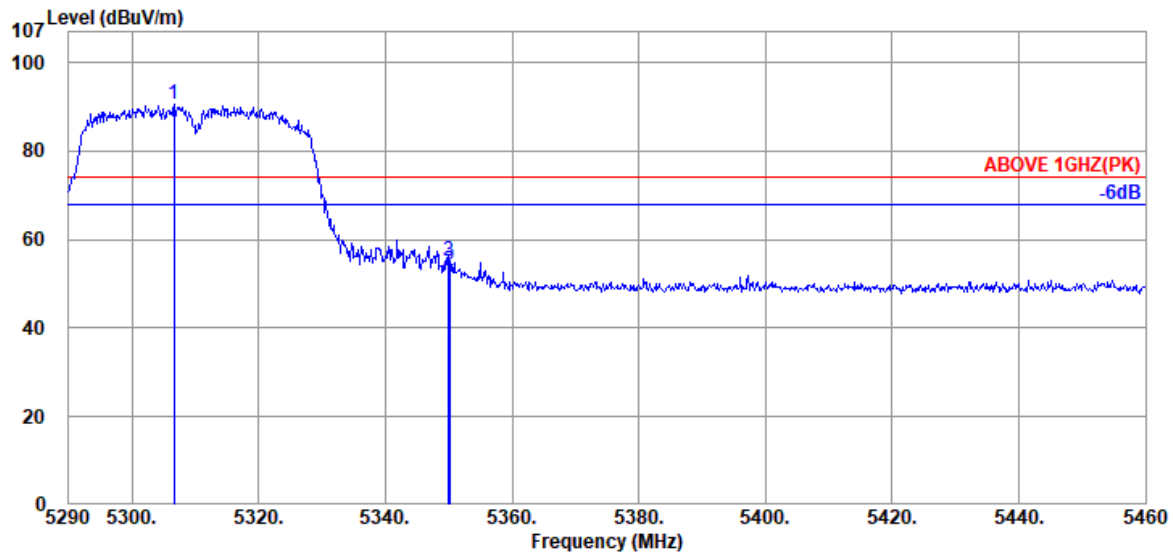


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 5301.560	34.50	10.81	34.29	77.71	88.73	---	---	Average
5350.010	34.60	10.83	34.27	36.29	47.45	54.00	6.55	Average
5350.180	34.60	10.83	34.27	36.53	47.69	54.00	6.31	Average

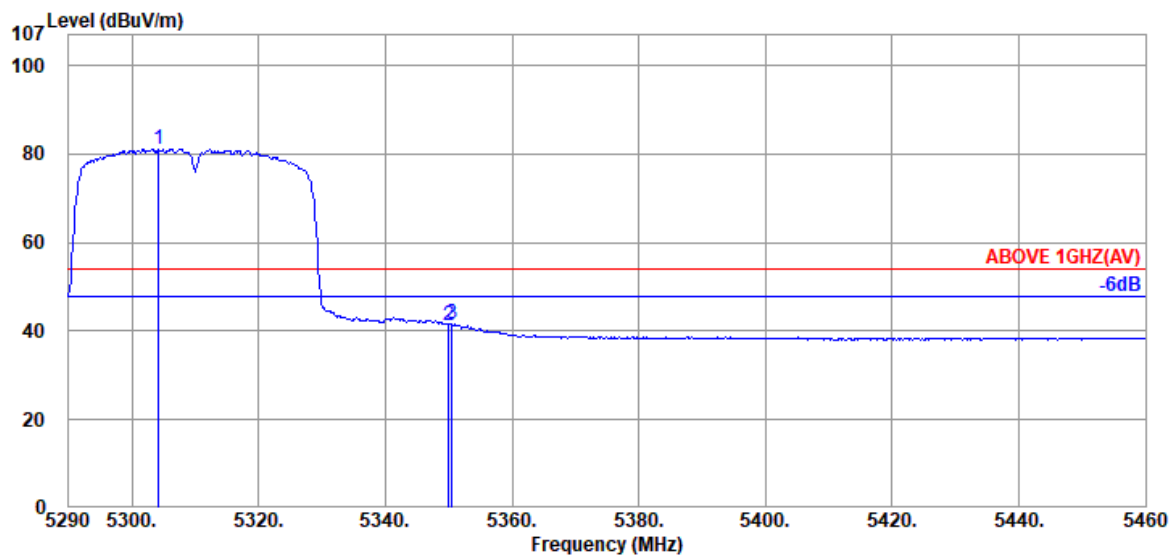
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	U-NII Band	II
		Frequency	TX 5310MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5306.660	34.50	10.81	34.29	79.44	90.46	---	---	Peak
5350.010	34.60	10.83	34.27	41.95	53.11	74.00	20.89	Peak
5350.180	34.60	10.83	34.27	43.89	55.05	74.00	18.95	Peak

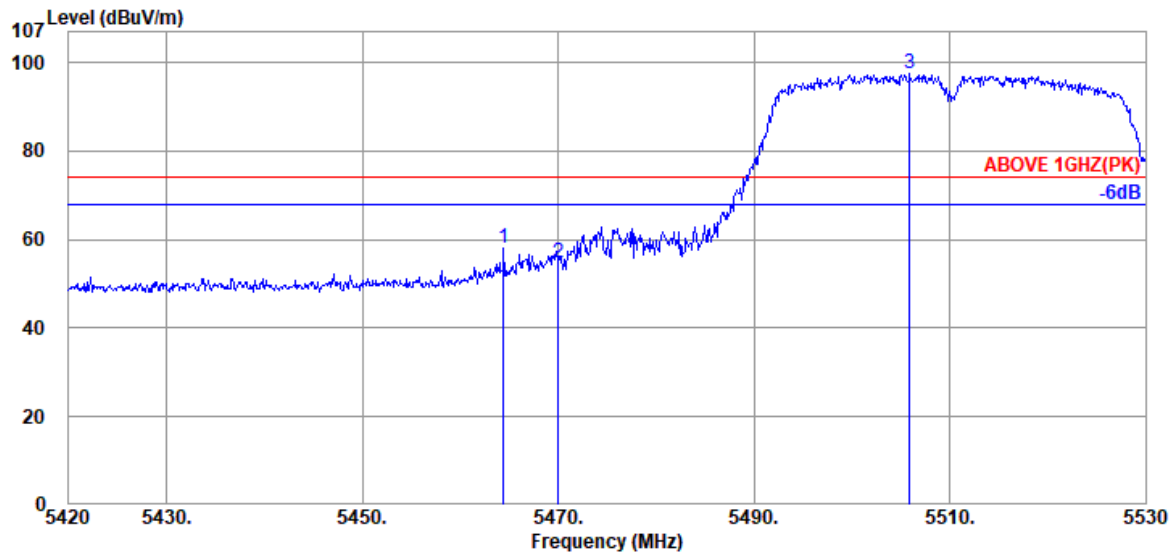


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5304.280	34.50	10.81	34.29	70.22	81.24	---	---	Average
5350.010	34.60	10.83	34.27	30.18	41.34	54.00	12.66	Average
5350.520	34.60	10.83	34.27	30.38	41.54	54.00	12.46	Average

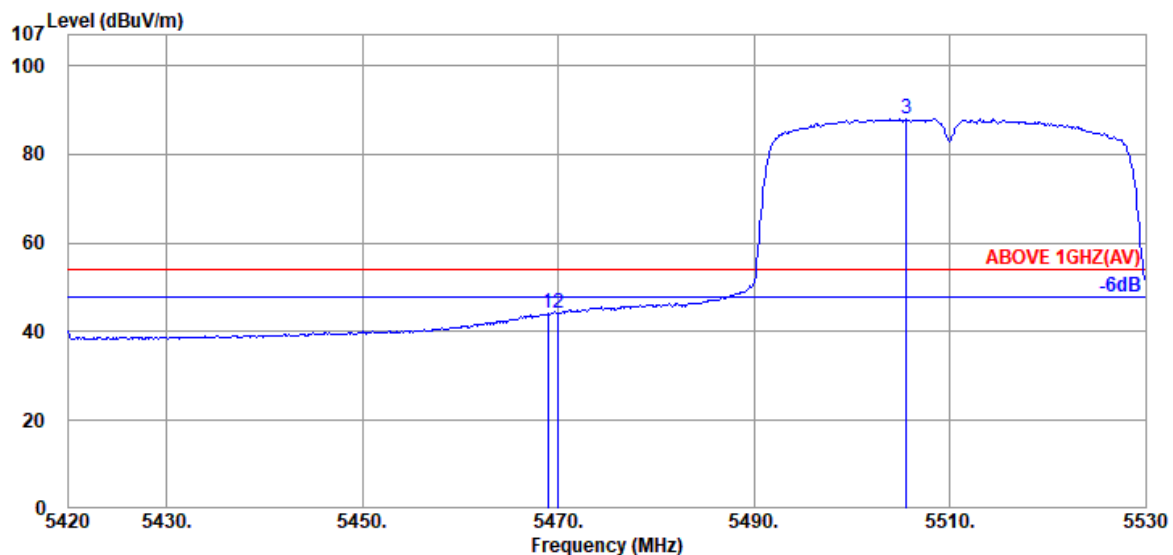
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	U-NII Band	III
		Frequency	TX 5510MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5464.440	34.47	10.91	34.24	46.86	58.00	74.00	16.00	Peak
5470.050	34.47	10.91	34.24	43.62	54.76	74.00	19.24	Peak
@ 5505.910	34.40	10.93	34.24	86.47	97.56	---	---	Peak

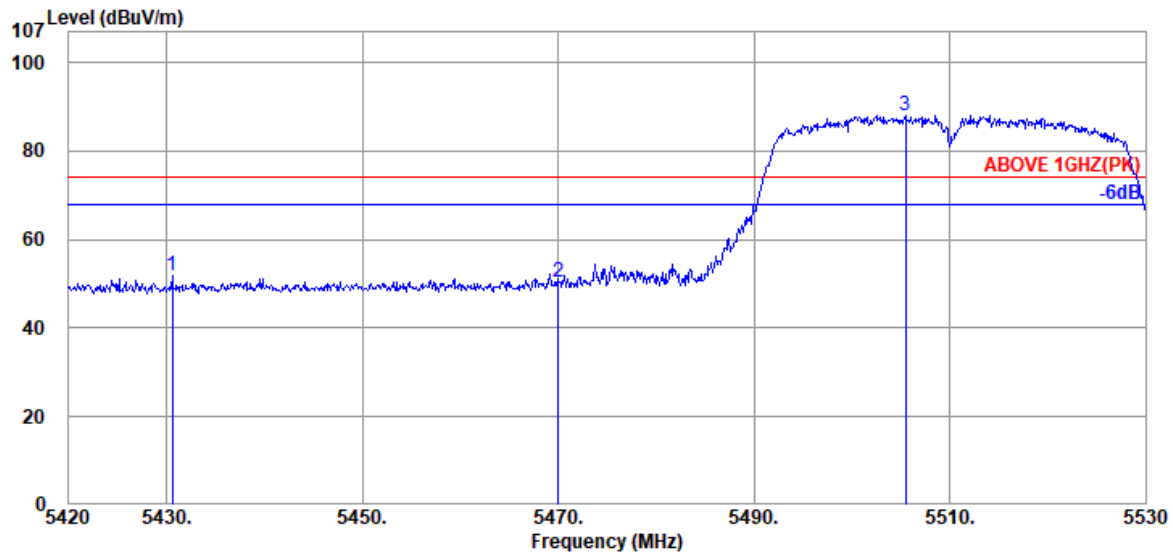


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5468.950	34.47	10.91	34.24	32.90	44.04	54.00	9.96	Average
5470.050	34.47	10.91	34.24	33.20	44.34	54.00	9.66	Average
@ 5505.580	34.40	10.93	34.24	76.98	88.07	---	---	Average

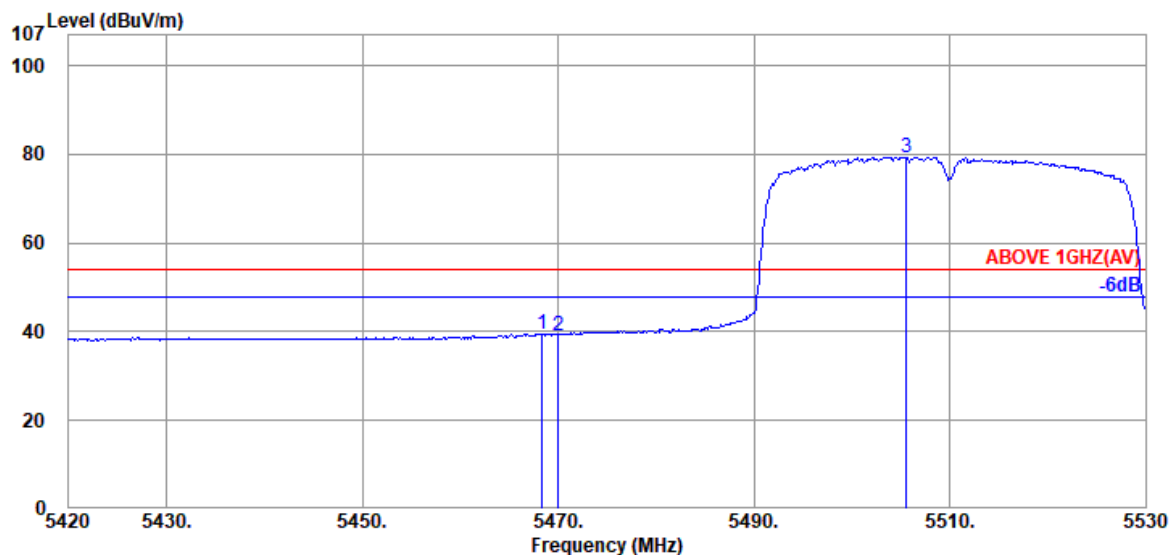
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	U-NII Band	III
		Frequency	TX 5510MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5430.560	34.60	10.89	34.25	40.49	51.73	74.00	22.27	Peak
5470.050	34.47	10.91	34.24	39.21	50.35	74.00	23.65	Peak
@ 5505.470	34.40	10.93	34.24	76.86	87.95	---	---	Peak

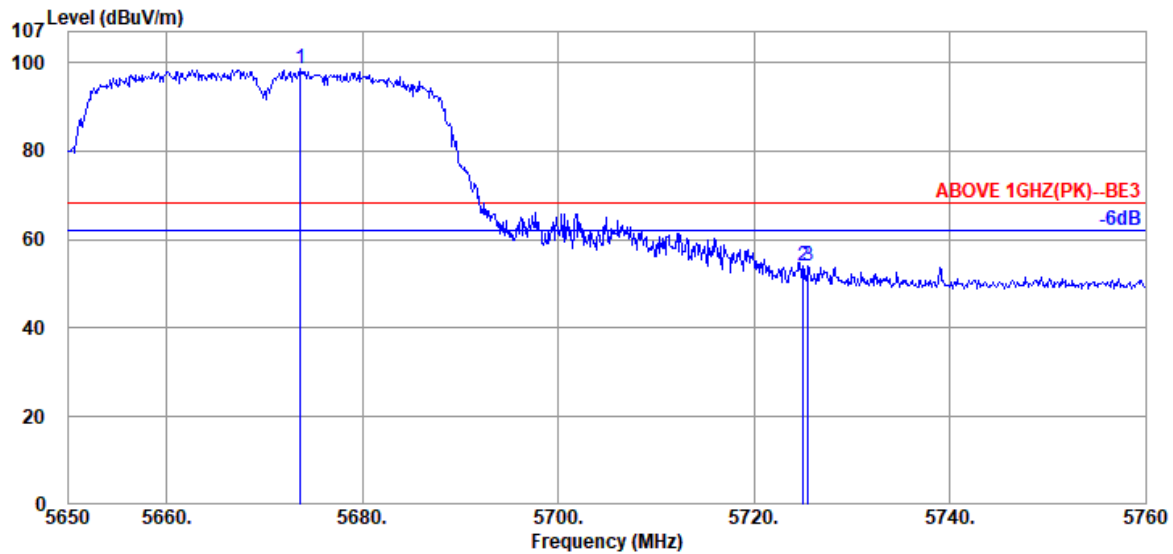


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5468.400	34.47	10.91	34.24	28.40	39.54	54.00	14.46	Average
5470.050	34.47	10.91	34.24	28.11	39.25	54.00	14.75	Average
@ 5505.580	34.40	10.93	34.24	68.27	79.36	---	---	Average

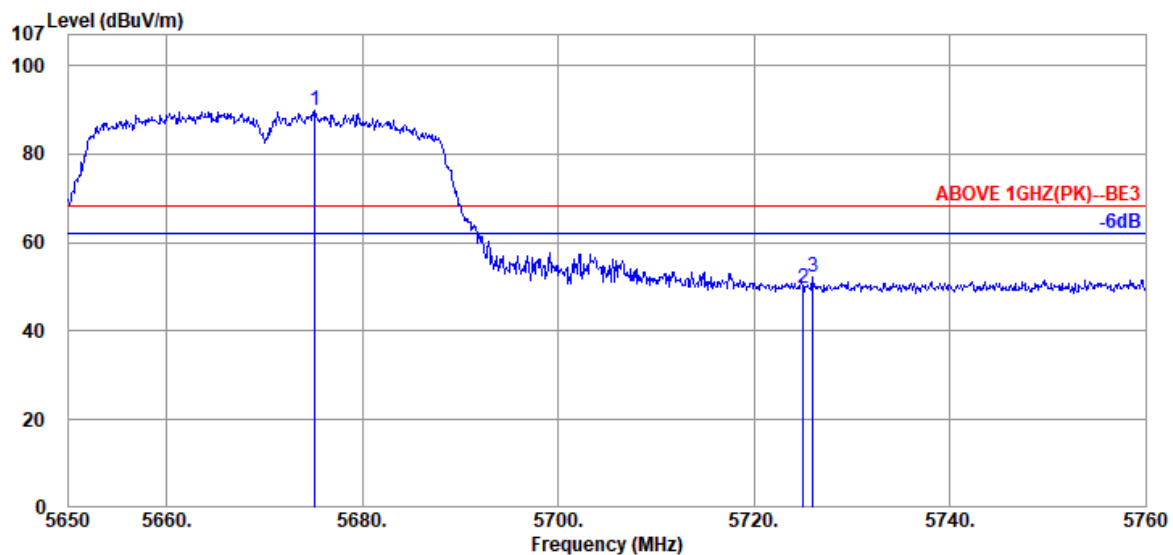
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	U-NII Band	III
		Frequency	TX 5670MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5673.650	34.40	11.03	34.30	87.34	98.47	---	---	Peak
5725.020	34.67	11.05	34.32	42.65	54.05	68.20	14.15	Peak
5725.570	34.67	11.05	34.32	42.53	53.93	68.20	14.27	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5675.190	34.40	11.03	34.30	78.74	89.87	---	---	Peak
5725.020	34.67	11.05	34.32	38.40	49.80	68.20	18.40	Peak
5726.010	34.67	11.05	34.32	40.70	52.10	68.20	16.10	Peak

備註：“@”為主波，在此章節是不予以判定。

2. 最大輸出功率及 26dB/6dB 頻寬之量測

測試日期	2021/06/03 ~ 07/06	環境溫/濕度	23 ~ 25°C/48 ~ 52%
測試電壓	AC 110V, 60Hz (經電源供應器供電)	測試人員	Sam Chang
電纜損失	無線模組 WM-BAC-AT-49: ANT 0: 5.5 dB ANT1: 5.95 dB 無線模組 LBEE5ZZ1PJ : 2.85dB		
Duty Cycle	無線模組: WM-BAC-AT-49		
	802.11a: 0.965		802.11n-HT40: 0.914
	802.11n-HT20: 0.963		802.11ac-VHT80: 0.725
	無線模組: LBEE5ZZ1PJ		
	802.11a: 0.928		802.11n-HT40: 0.867
	802.11n-HT20: 0.923		

2.1. 最大輸出功率及 26dB/6dB 頻寬

無線模組	WM-BAC-AT-49
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模式 802.11a	測試頻率	發射頻寬(MHz)		Average輸出功率(dBm)		10 log (1/X)	最大 Average輸出功率 (dBm)	限制值 (dBm)	限制值 (11dBm+10 log B)
	(MHz)	26dB	99%	Chain 0	Chain 1				
UNII Band I	5180	20.54	16.445	8.13	7.44	0.15	10.96	24	N/A
	5200	20.47	16.483	8.16	7.47		10.99		
	5240	20.80	16.474	7.62	7.76		10.85		
UNII Band II	5260	20.57	16.475	7.38	7.47		10.59	24	24.13
	5300	21.17	16.462	7.52	7.65		10.75		24.26
	5320	21.12	16.482	7.53	7.77		10.81		24.25
UNII Band III	5500	21.09	16.510	5.27	5.78		8.69		24.24
	5580	21.17	16.462	5.71	5.98		9.01		24.26
	5700	21.52	16.435	5.87	5.09		8.66		24.33
模式 802.11a	測試頻率	發射頻寬(MHz)		Average輸出功率(dBm)		10 log (1/X)	Average 輸出功率 (dBm)	限制值 (dBm)	限制值 (11dBm+10 log B)
	(MHz)	6dB	99%	Chain 0	Chain 1				
UNII Band IV	5745	15.78	16.387	5.80	4.72	0.15	8.45	30	N/A
	5785	14.49	16.396	5.80	5.10		8.62		
	5825	15.92	16.389	6.38	4.91		8.87		

註: 當 Duty cycle<98%, 最大輸出功率必需要加上 duty cycle factor 10log(1/x)。

(x=duty cycle, B=26dB發射頻寬)

模式 802.11n-HT20	測試頻率	發射頻寬(MHz)		Average輸出功率(dBm)		10 log (1/X)	Average輸出功率 (dBm)	限制值 (dBm)	限制值 (11dBm+10 log B)
	(MHz)	26dB	99%	Chain 0	Chain 1				
UNII Band I	5180	20.84	17.569	5.67	4.26	0.16	8.19	24	N/A
	5200	20.84	17.725	5.26	4.45		8.04		
	5240	21.10	17.717	5.18	4.52		8.03		
UNII Band II	5260	21.04	17.679	4.84	4.32		7.76		24.23
	5300	21.69	17.709	4.71	4.55		7.80		24.36
	5320	21.72	17.615	4.94	4.70		7.99		24.37
UNII Band III	5500	21.00	17.652	2.41	2.80		5.78		24.22
	5580	20.62	17.590	3.17	2.92		6.22		24.14
	5700	20.86	17.640	3.27	2.00		5.85		24.19
模式 802.11n-HT20	測試頻率	發射頻寬(MHz)		Average輸出功率(dBm)		10 log (1/X)	Average 輸出功率 (dBm)	限制值 (dBm)	限制值 (11dBm+10 log B)
	(MHz)	6dB	99%	Chain 0	Chain 1				
UNII Band IV	5745	17.61	17.582	4.05	2.65	0.16	6.58	30	N/A
	5785	16.95	17.552	3.04	2.01		5.73		
	5825	15.07	17.552	3.60	1.88		5.99		

註：當 Duty cycle<98%，最大輸出功率必需要加上 duty cycle factor $10\log(1/x)$ 。
(x=duty cycle, B=26dB發射頻寬)

模式 802.11n-HT40	測試頻率	發射頻寬(MHz)		Average輸出功率(dBm)		10 log (1/X)	Average輸出功率 (dBm)	限制值 (dBm)	限制值 (11dBm+10 log B)
	(MHz)	26dB	99%	Chain 0	Chain 1				
UNII Band I	5190	40.42	36.149	5.11	3.98	0.39	7.98	24	N/A
	5230	40.68	36.183	5.02	4.04		7.96		
UNII Band II	5270	41.24	36.202	5.06	4.78		8.32		27.15
	5310	41.02	36.158	5.40	4.98		8.60		27.13
UNII Band III	5510	40.87	36.166	2.35	2.15		5.65		27.11
	5590	40.46	36.163	2.88	2.50		6.09		27.07
	5670	41.32	36.160	3.76	2.64		6.64		27.16
模式 802.11n-HT40	測試頻率	發射頻寬(MHz)		Average輸出功率(dBm)		10 log (1/X)	Average 輸出功率 (dBm)	限制值 (dBm)	限制值 (11dBm+10 log B)
	(MHz)	6dB	99%	Chain 0	Chain 1				
UNII Band IV	5755	36.39	36.171	3.72	2.11	0.39	6.39	30	N/A
	5795	36.35	36.169	3.82	2.49		6.61		

註：當 Duty cycle<98%，最大輸出功率必需要加上 duty cycle factor $10\log(1/x)$ 。
(x=duty cycle, B=26dB發射頻寬)

模式 802.11ax-VHT80	測試頻率	發射頻寬(MHz)		Average輸出功率(dBm)		10 log (1/X)	Average輸出功率 (dBm)	限制值 (dBm)	限制值 (11dBm+10 log B)
	(MHz)	26dB	99%	Chain 0	Chain 1				
UNII Band I	5210	80.59	75.378	6.45	6.00	1.4	10.64	24	N/A
UNII Band II	5290	80.38	75.380	5.81	6.02		10.33		30.05
UNII Band III	5530	79.51	75.393	4.04	4.30		8.58		30.00
	5610	79.98	75.287	4.10	4.19		8.56		30.03
模式 802.11ax-VHT80	測試頻率	發射頻寬(MHz)		Average輸出功率(dBm)		10 log (1/X)	Average輸出功率 (dBm)	限制值 (dBm)	限制值 (11dBm+10 log B)
	(MHz)	6dB	99%	Chain 0	Chain 1				
UNII Band IV	5775	70.07	75.306	4.66	3.62	1.4	8.58	30	N/A

註：當 Duty cycle<98%，最大輸出功率必需要加上 duty cycle factor $10\log(1/x)$ 。
(x=duty cycle, B=26dB發射頻寬)

無線模組	LBEE5ZZ1PJ
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模式 802.11a	測試頻率	發射頻寬(MHz)		Average輸出功率 (dBm)	10 log (1/X)	最大Average輸出功率 (dBm)	限制值 (dBm)	限制值 (11dBm+10 log B)
	(MHz)	26dB	99%					
U-NII Band I	5180	19.20	16.323	11.57	0.33	11.90	24	N/A
	5200	19.11	16.308	11.82		12.15		
	5240	19.46	16.328	11.73		12.06		
U-NII Band II	5260	18.86	16.280	11.55		11.88		23.76
	5300	19.06	16.305	11.57		11.90		23.80
	5320	18.55	16.317	11.45		11.78		23.68
U-NII Band III	5500	19.26	16.304	11.80		12.13		23.85
	5580	18.82	16.300	11.20		11.53		23.75
	5700	18.87	16.323	11.43		11.76		23.76
模式 802.11a	測試頻率	發射頻寬(MHz)		Average輸出功率 (dBm)	10 log (1/X)	Average 輸出功率 (dBm)	限制值 (dBm)	限制值 (11dBm+10 log B)
	(MHz)	6dB	99%					
U-NII Band IV	5745	15.79	16.296	11.10	0.33	11.43	30	N/A
	5785	16.29	16.306	11.82		12.15		
	5825	15.38	16.289	11.05		11.38		

註：當 Duty cycle<98%，最大輸出功率必需要加上 duty cycle factor 10log(1/x)。
(x=duty cycle, B=26dB發射頻寬)

模式 802.11n-HT20	測試頻率	發射頻寬(MHz)		Average輸出功率 (dBm)	10 log (1/X)	最大 Average輸出功率 (dBm)	限制值 (dBm)	限制值 (11dBm+10 log B)
	(MHz)	26dB	99%					
U-NII Band I	5180	19.96	17.472	11.40	0.35	11.75	24	N/A
	5200	19.80	17.473	11.55		11.90		
	5240	19.87	17.481	11.58		11.93		
U-NII Band II	5260	19.69	17.492	11.21		11.56		23.94
	5300	19.73	17.443	11.31		11.66		23.95
	5320	19.66	17.474	11.28		11.63		23.94
U-NII Band III	5500	19.82	17.442	11.62		11.97		23.97
	5580	19.92	17.443	11.93		12.28		23.99
	5700	19.94	17.492	11.18		11.53		24.00
模式 802.11n-HT20	測試頻率	發射頻寬(MHz)		Average輸出功率 (dBm)	10 log (1/X)	Average 輸出功率 (dBm)	限制值 (dBm)	限制值 (11dBm+10 log B)
	(MHz)	6dB	99%	Chain 0				
U-NII Band IV	5745	15.04	17.468	11.74	0.35	12.09	30	N/A
	5785	15.45	17.454	11.62		11.97		
	5825	15.43	17.472	11.85		12.20		

註：當 Duty cycle<98%，最大輸出功率必需要加上 duty cycle factor 10log(1/x)。
(x=duty cycle, B=26dB發射頻寬)

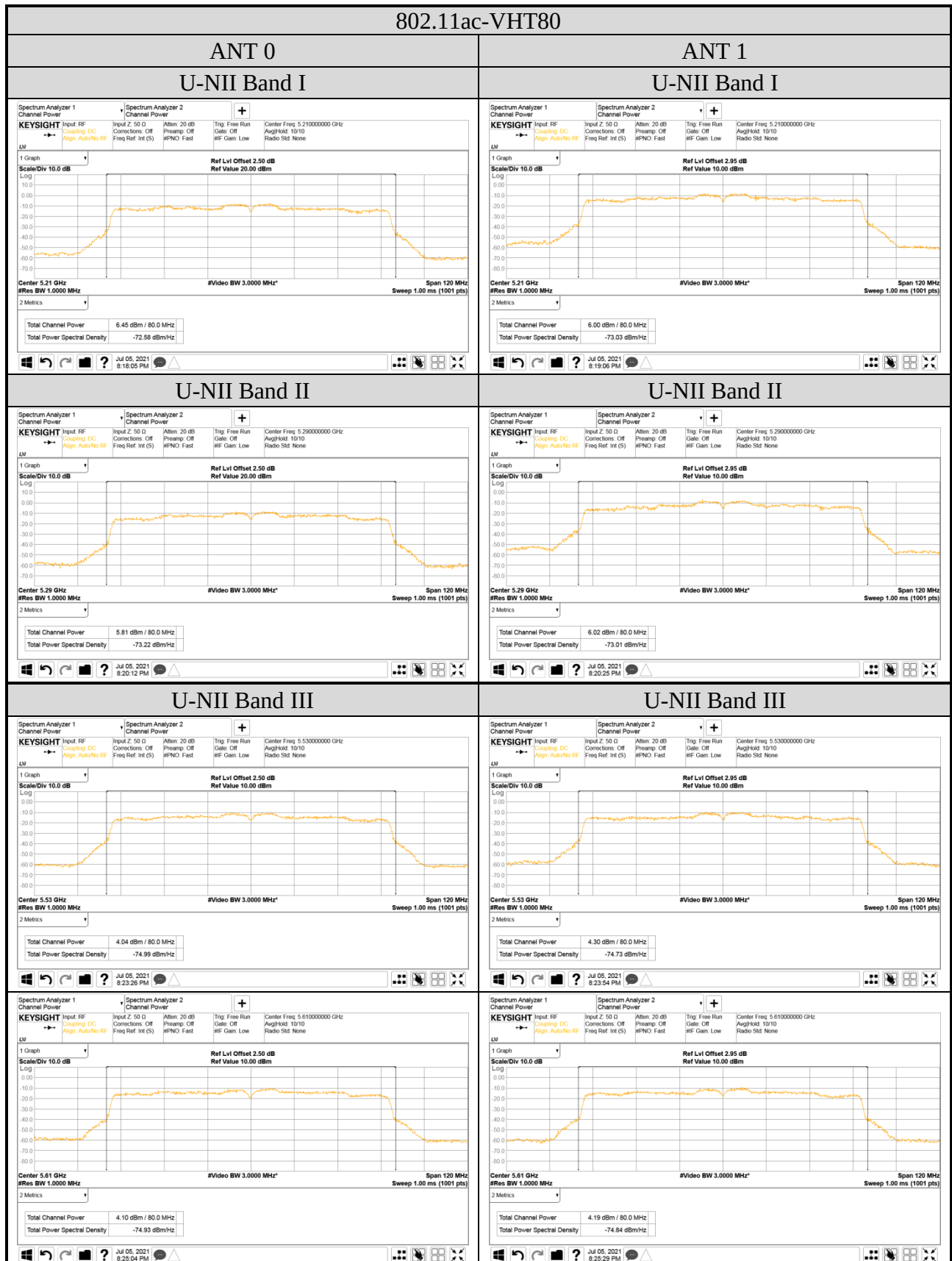
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	(MHz)	26dB	99%					
U-NII Band I	5190	40.13	35.826	8.31	0.62	8.93	24	N/A
	5230	39.71	35.875	11.60		12.22		
U-NII Band II	5270	49.38	35.990	11.52		12.14		27.94
	5310	39.87	35.893	10.33		10.95		27.01
U-NII Band III	5510	41.16	35.810	9.45		10.07		27.14
	5590	40.70	35.851	11.52		12.14		27.10
	5670	40.34	35.806	11.19		11.81		27.06
模式 802.11n-HT40	測試頻率	發射頻寬(MHz)		Average輸出功率 (dBm)	10 log (1/X)	Average 輸出功率 (dBm)	限制值 (dBm)	限制值 (11dBm+10 log B)
	(MHz)	6dB	99%	Chain 0				
U-NII Band IV	5755	35.15	35.767	10.91	0.62	11.53	30	N/A
	5795	35.08	35.775	11.25		11.87		

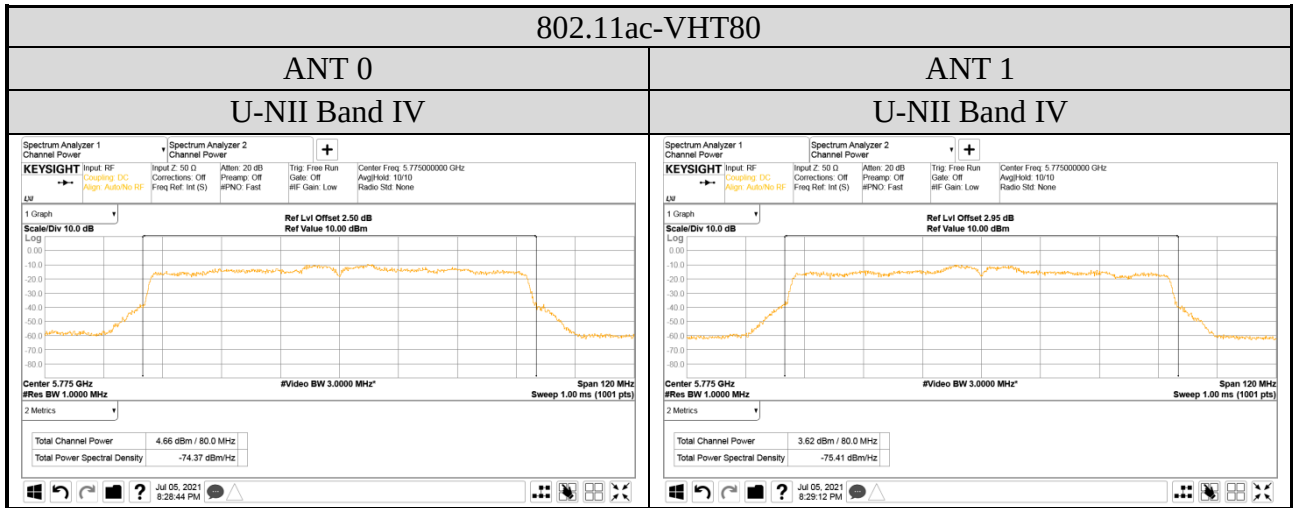
註：當 Duty cycle<98%，最大輸出功率必需要加上 duty cycle factor 10log(1/x)。
(x=duty cycle, B=26dB發射頻寬)

2.2. 最大輸出功率及 26dB/6dB 頻寬之量測圖

- 最大輸出功率(平均值)

無線模組	WM-BAC-AT-49
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● 26dB 頻寬

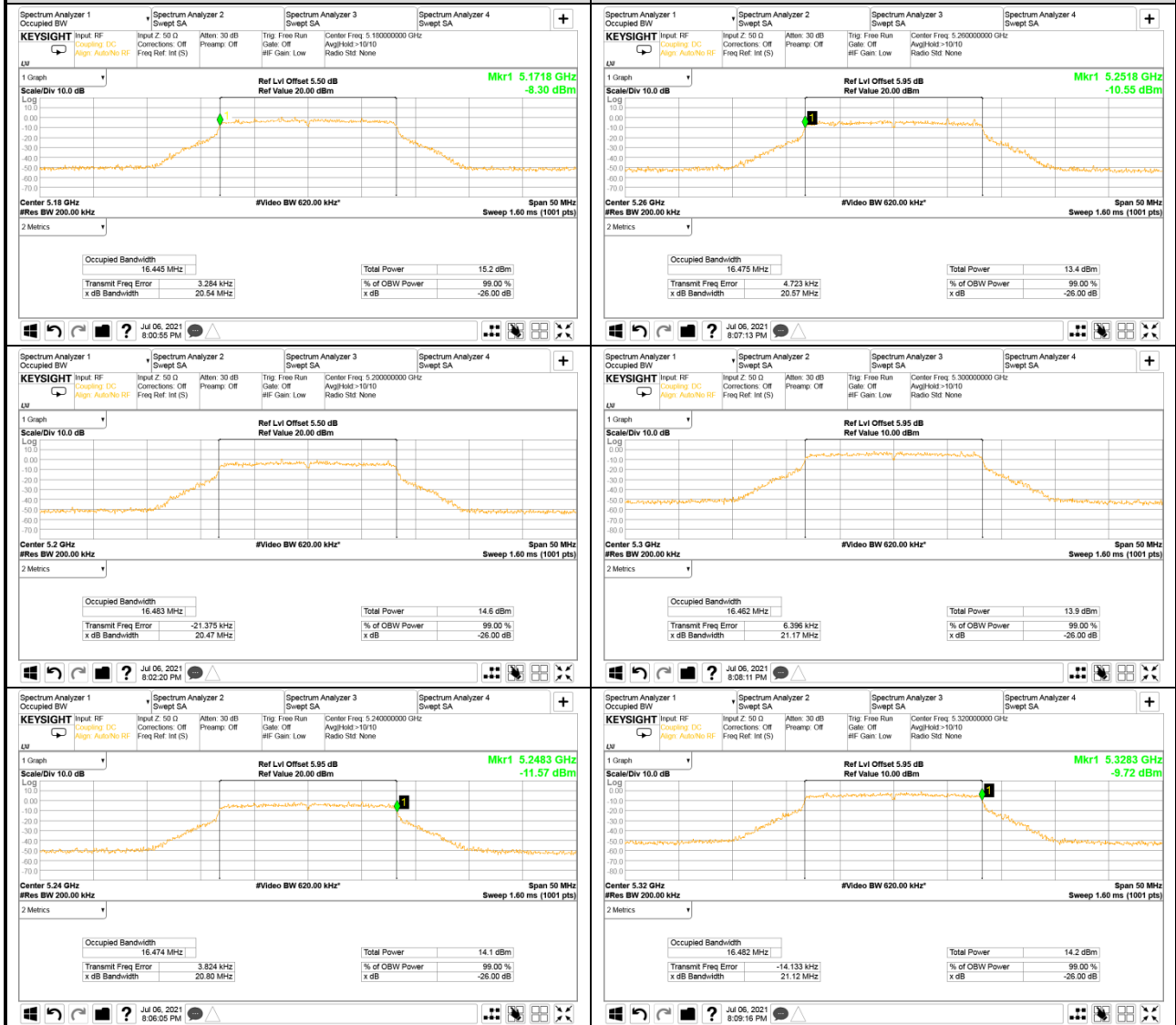
無線模組

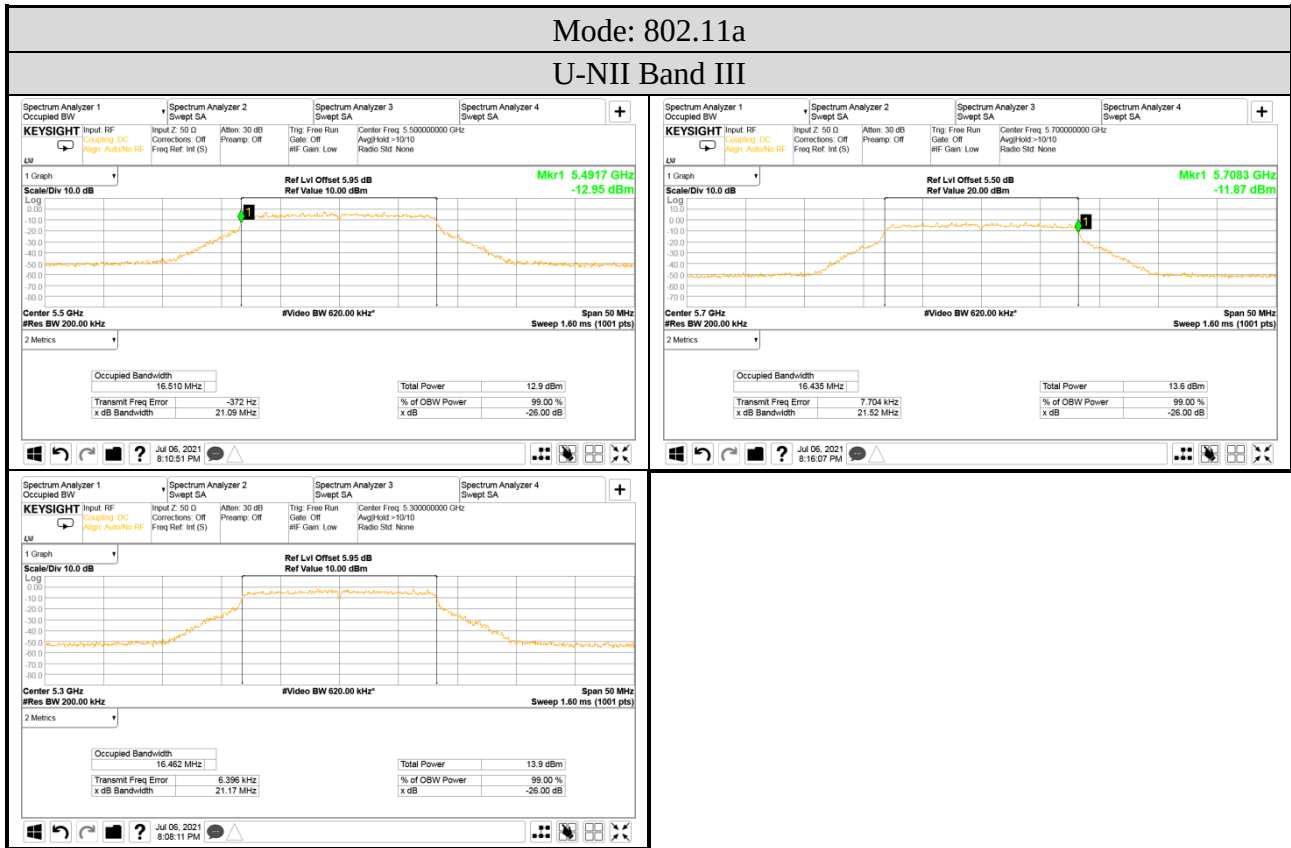
WM-BAC-AT-49

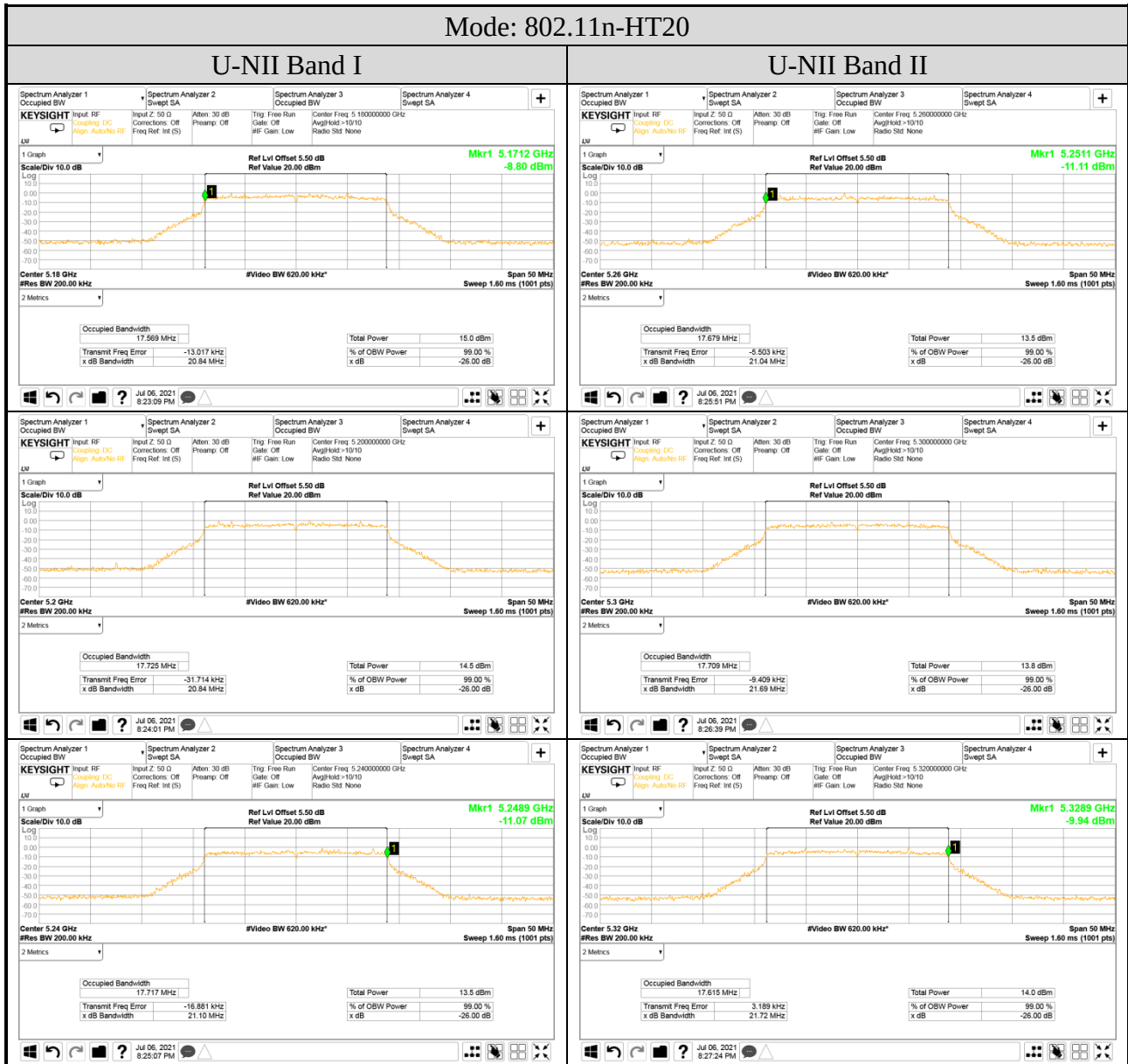
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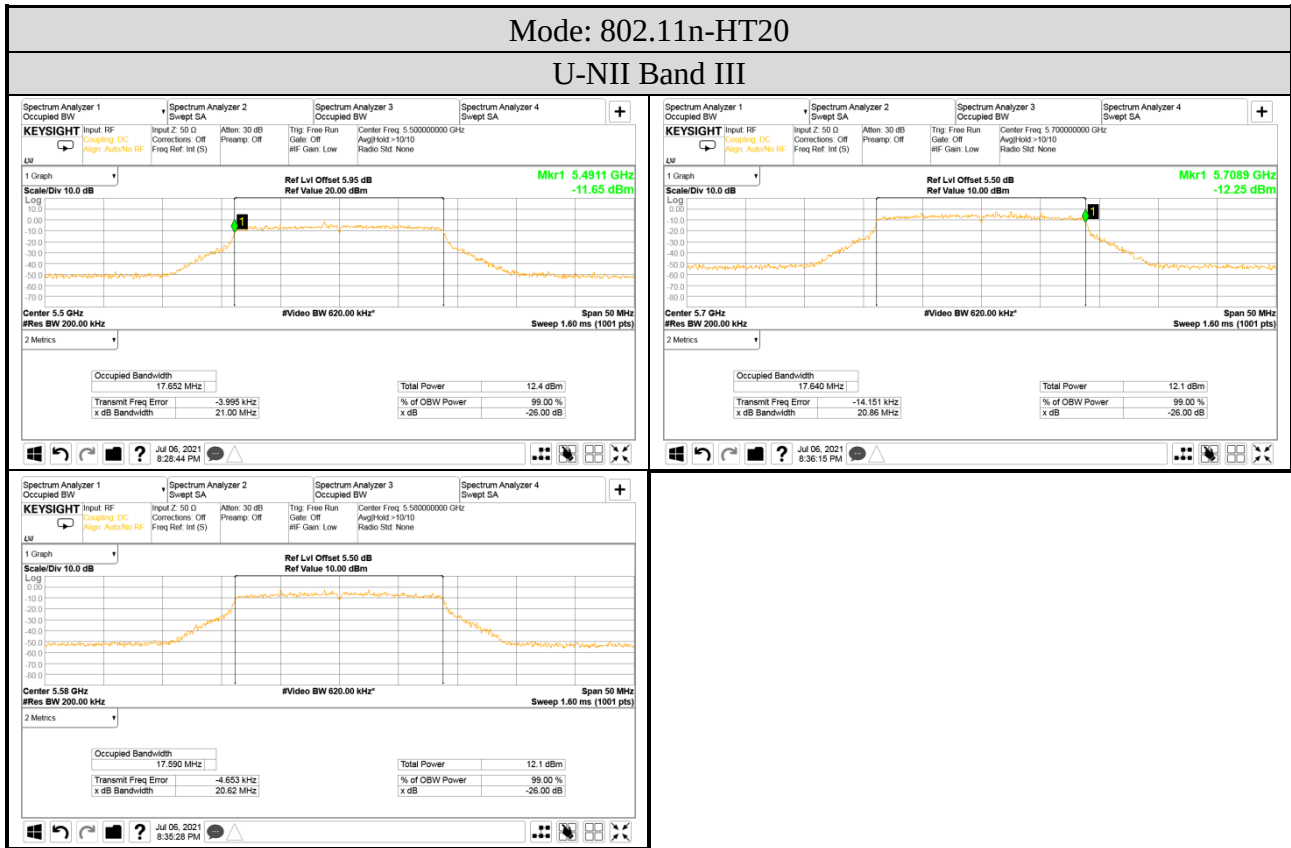
U-NII Band I

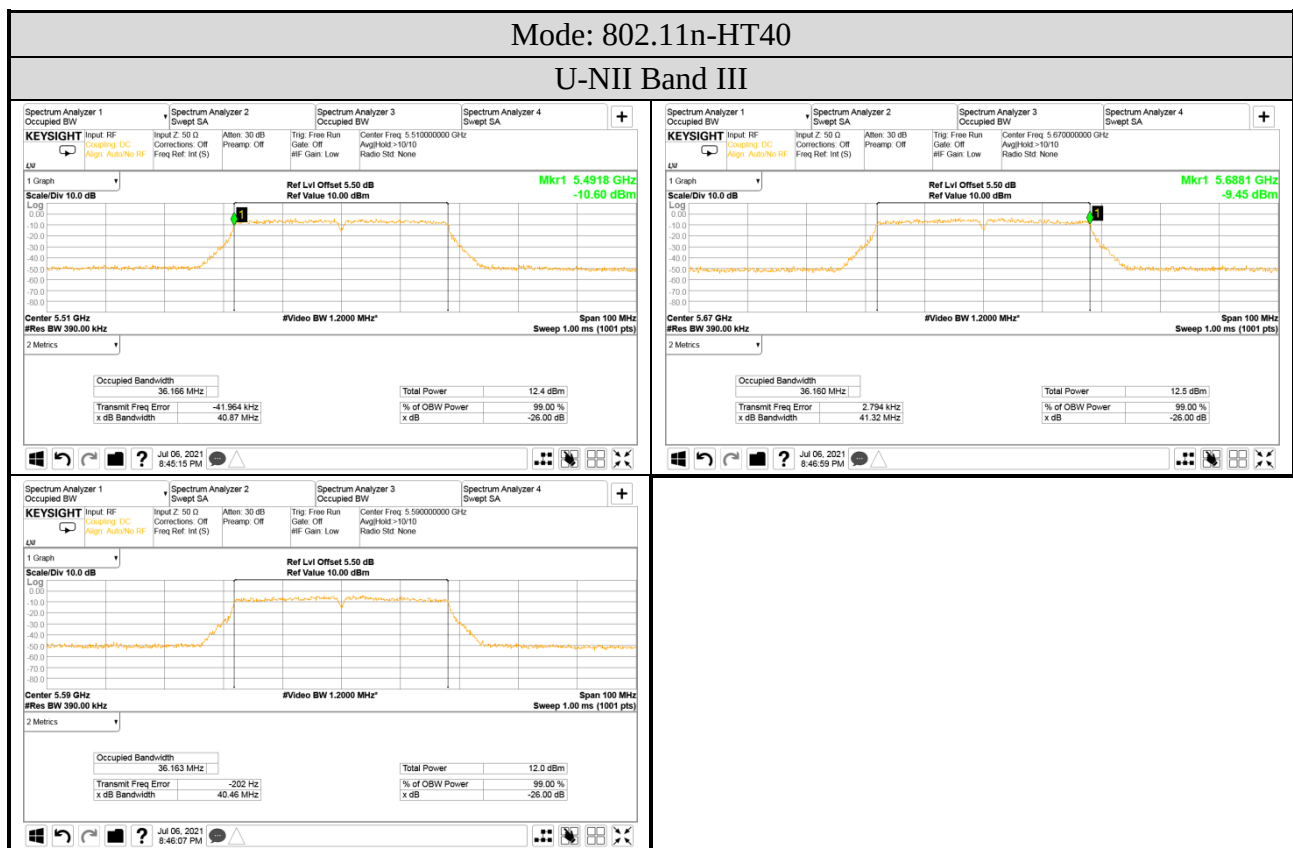
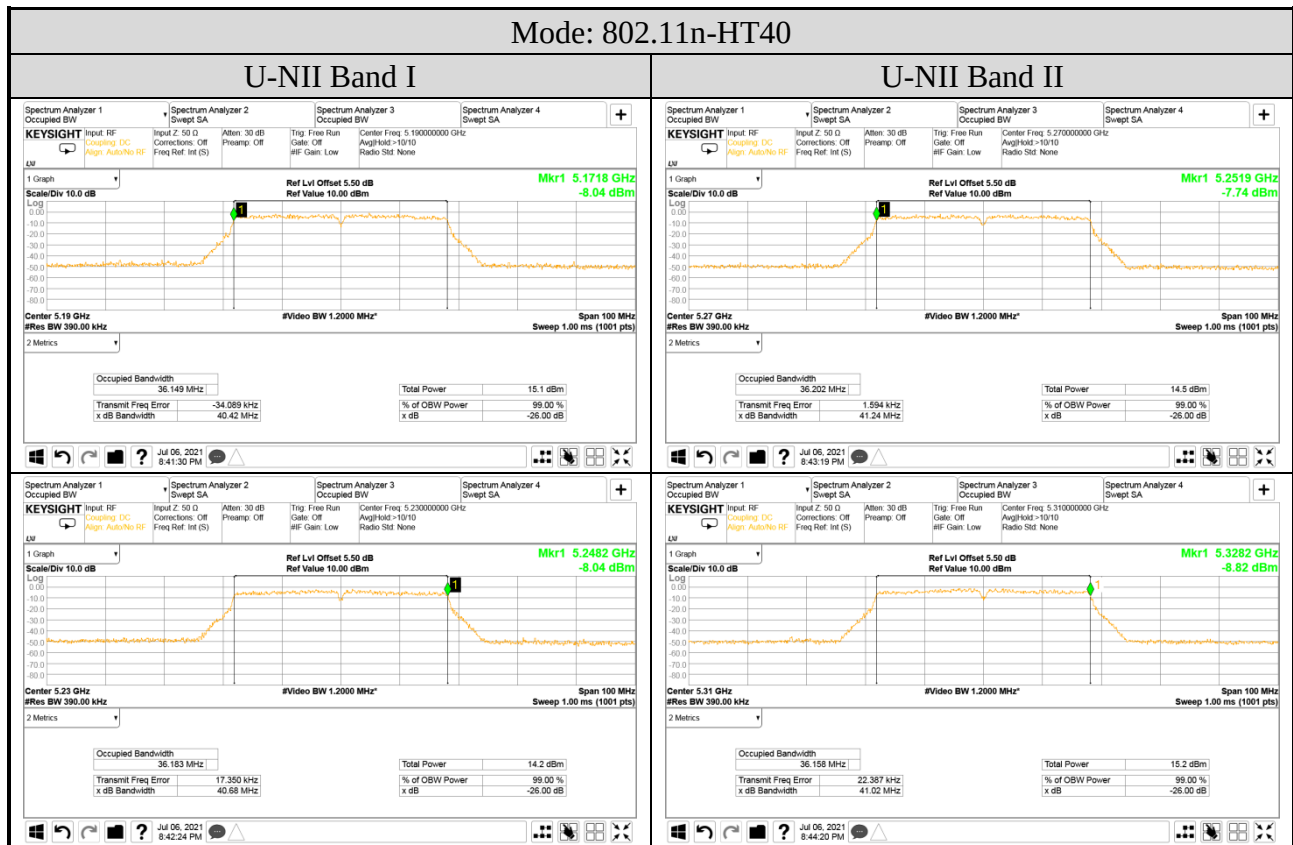
U-NII Band II





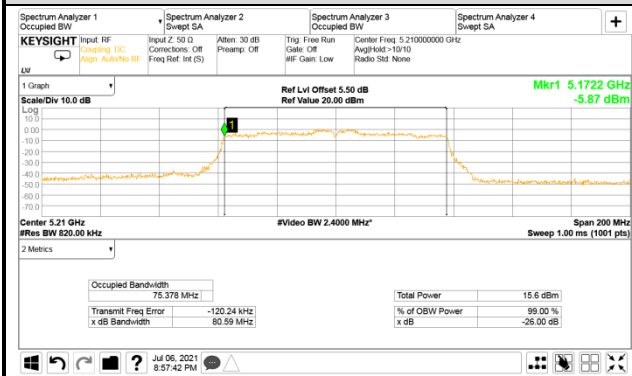




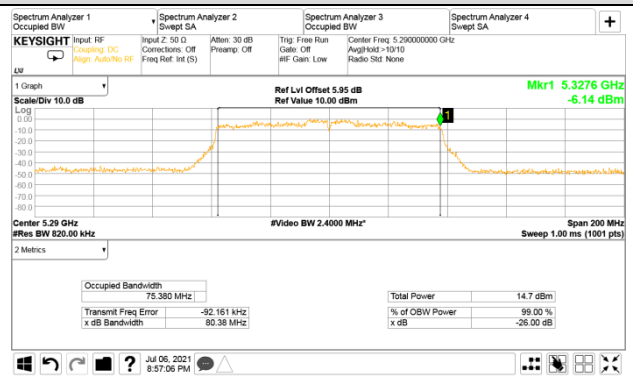


Mode: 802.11ac-VHT80

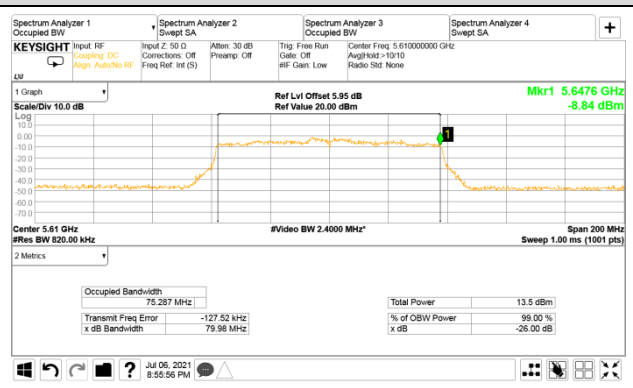
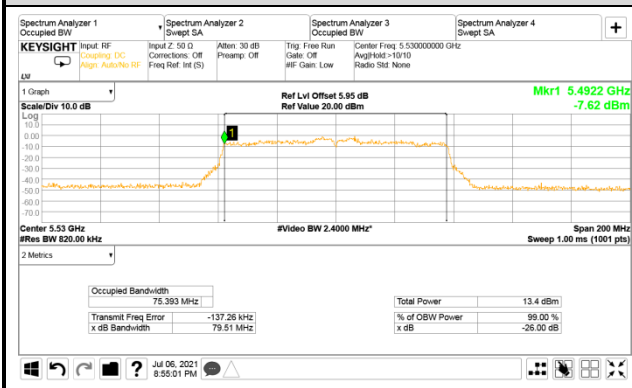
U-NII Band I



U-NII Band II



U-NII Band III



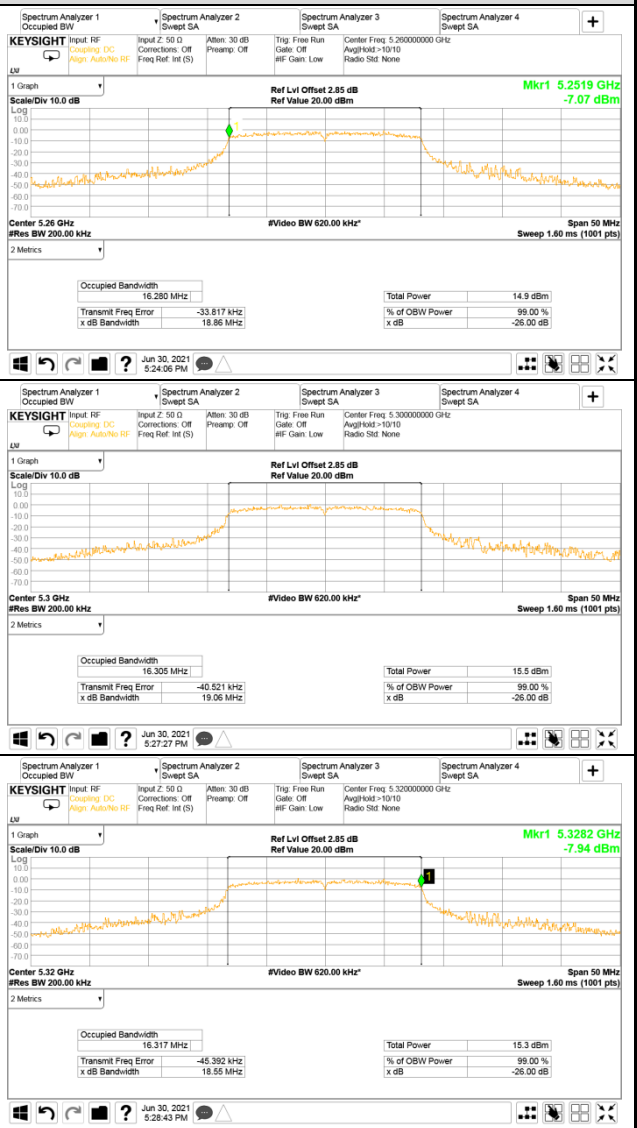
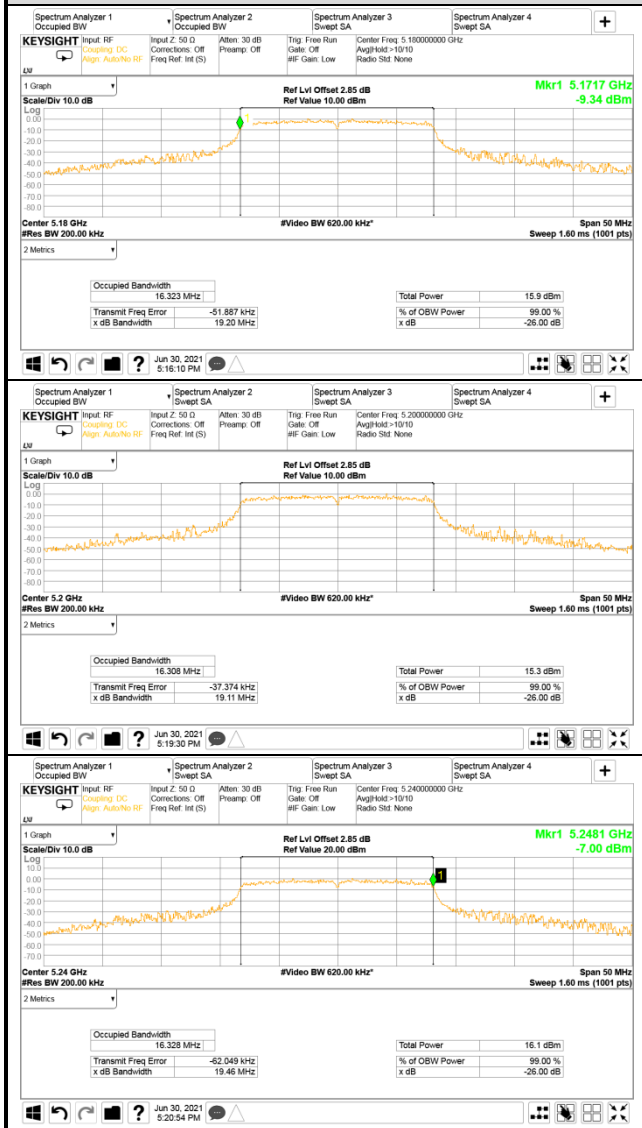
無線模組

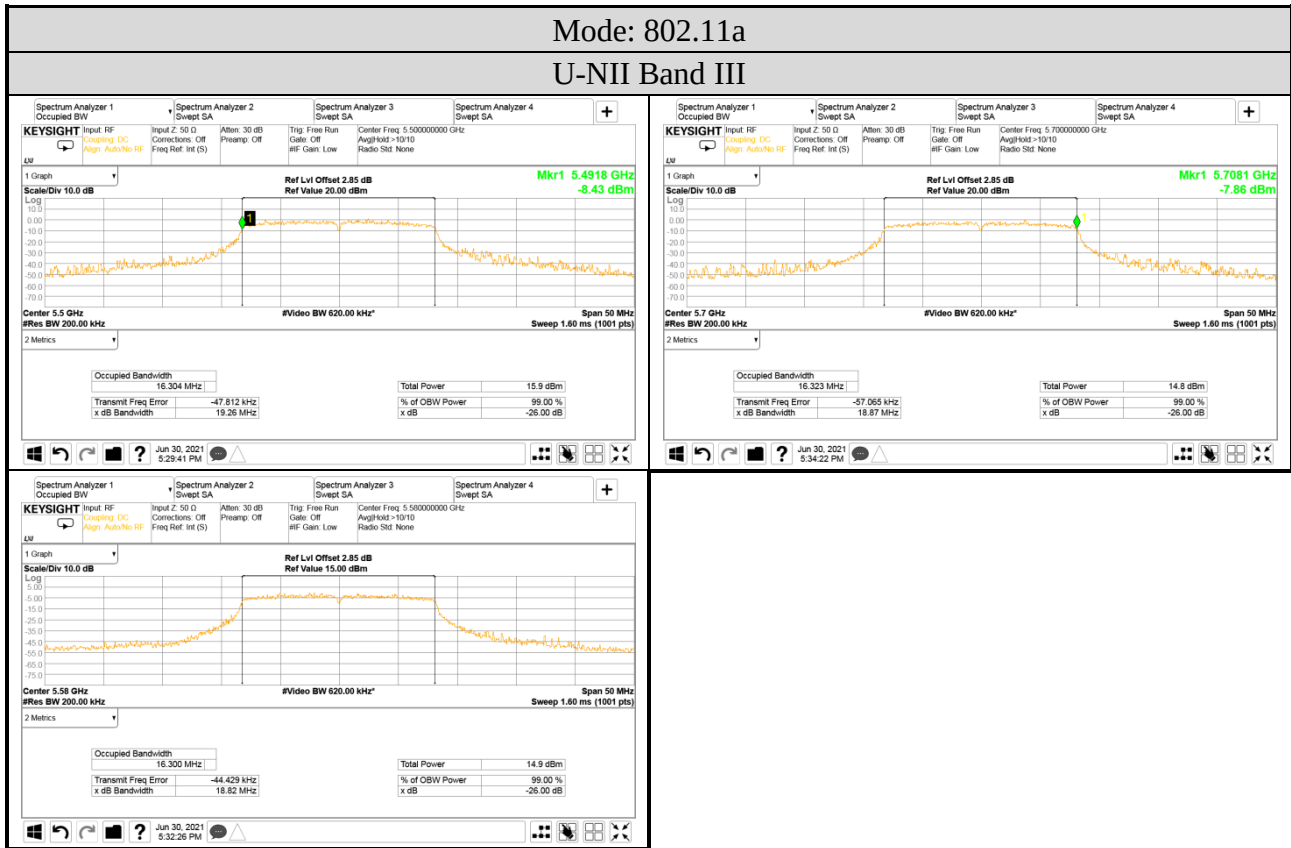
LBEE5ZZ1PJ

Mode: 802.11a

U-NII Band I

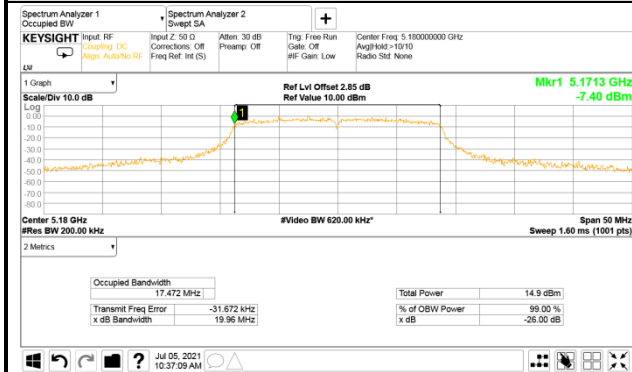
U-NII Band II



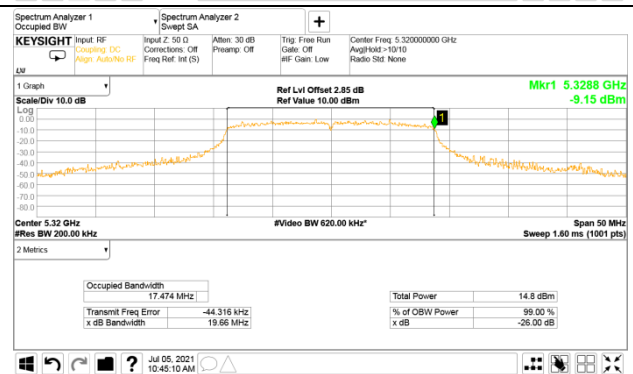
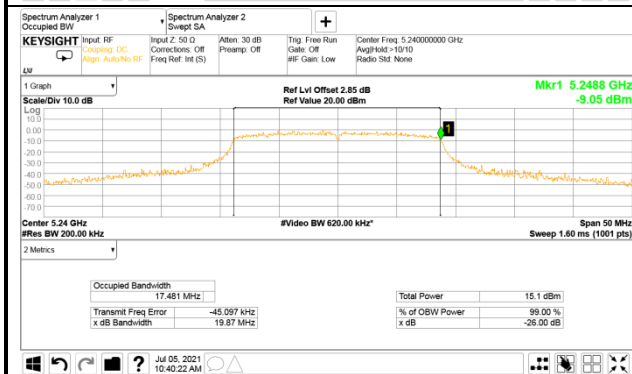
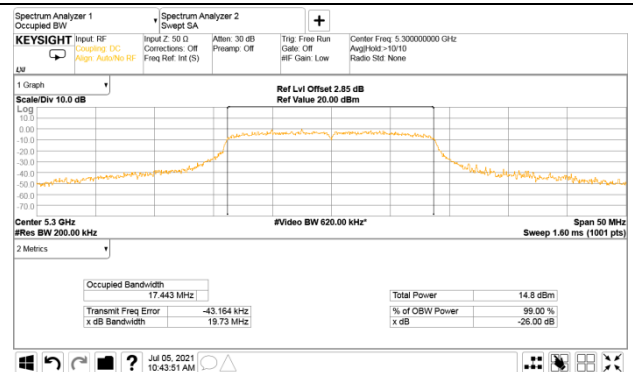
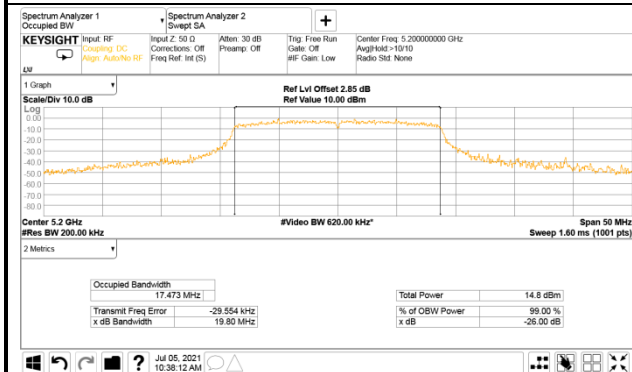
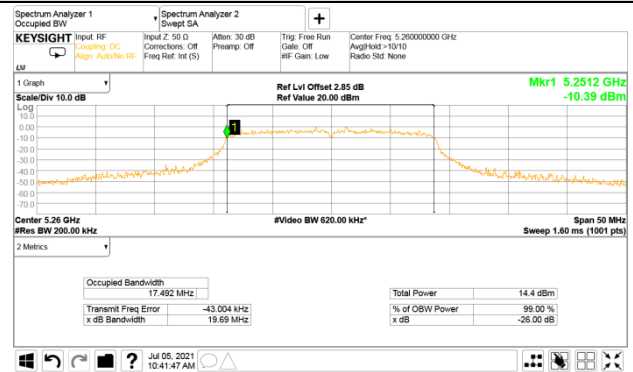


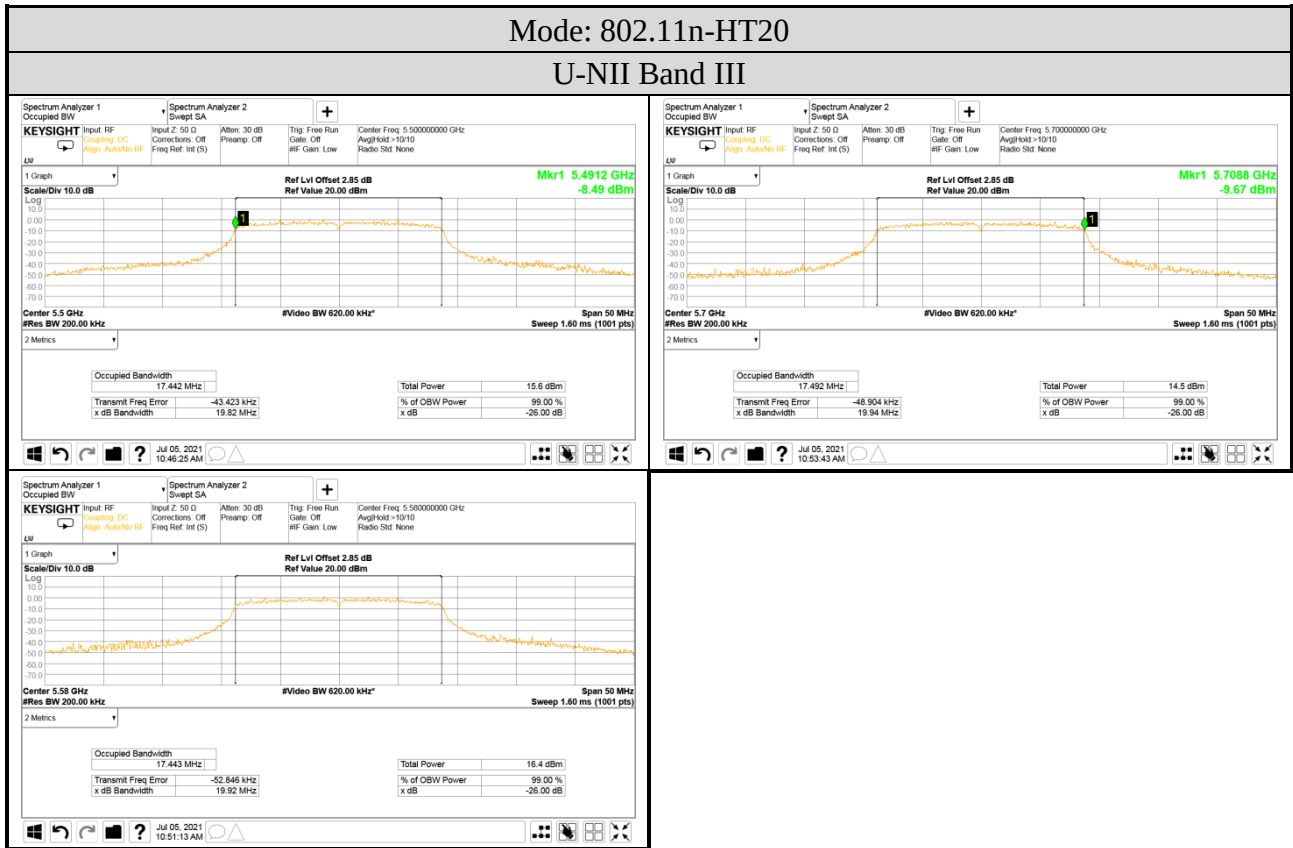
Mode: 802.11n-HT20

U-NII Band I



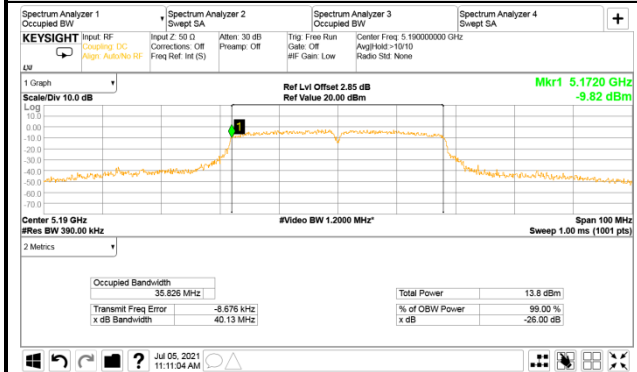
U-NII Band II



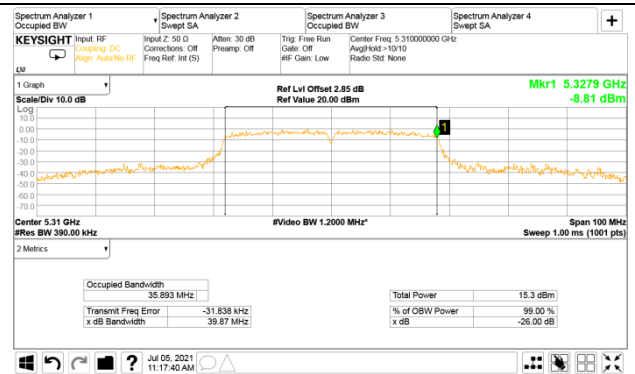
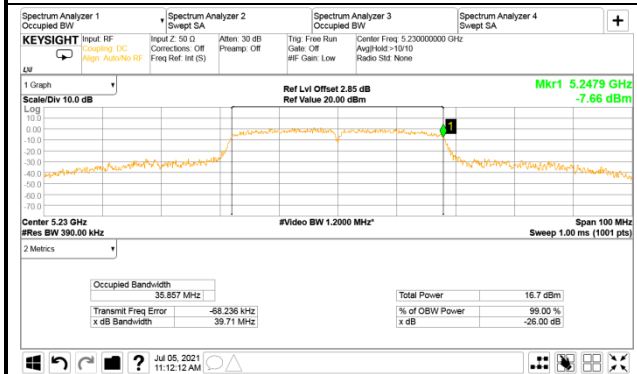
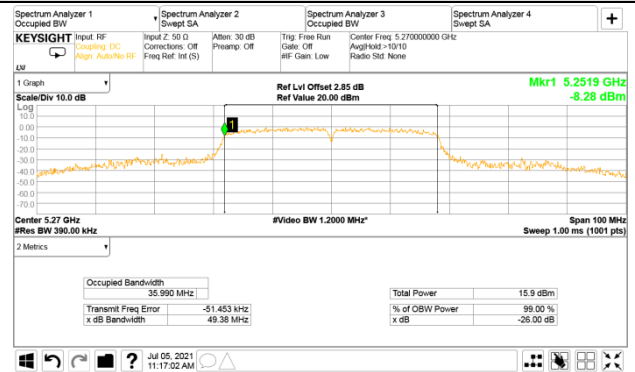


Mode: 802.11n-HT40

U-NII Band I

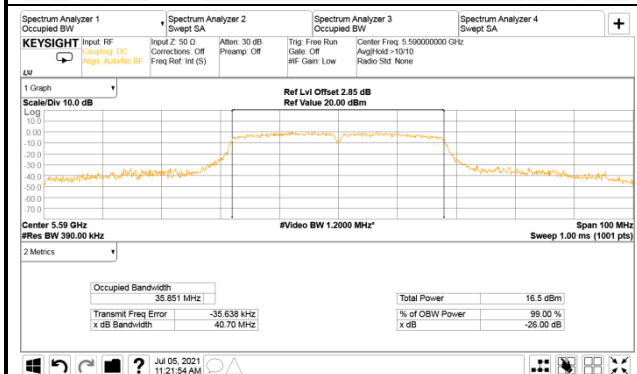
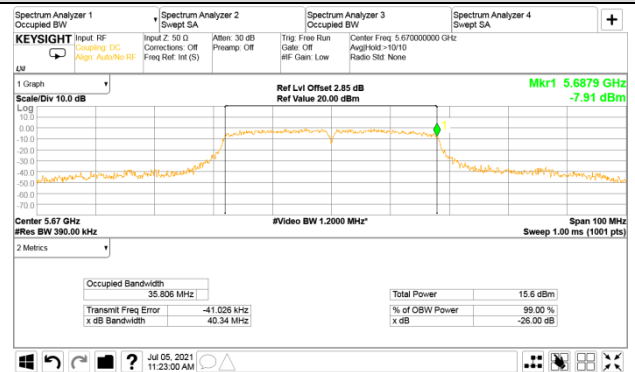
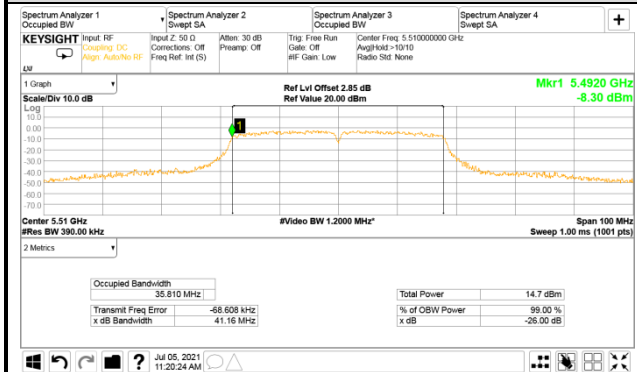


U-NII Band II



Mode: 802.11n-HT40

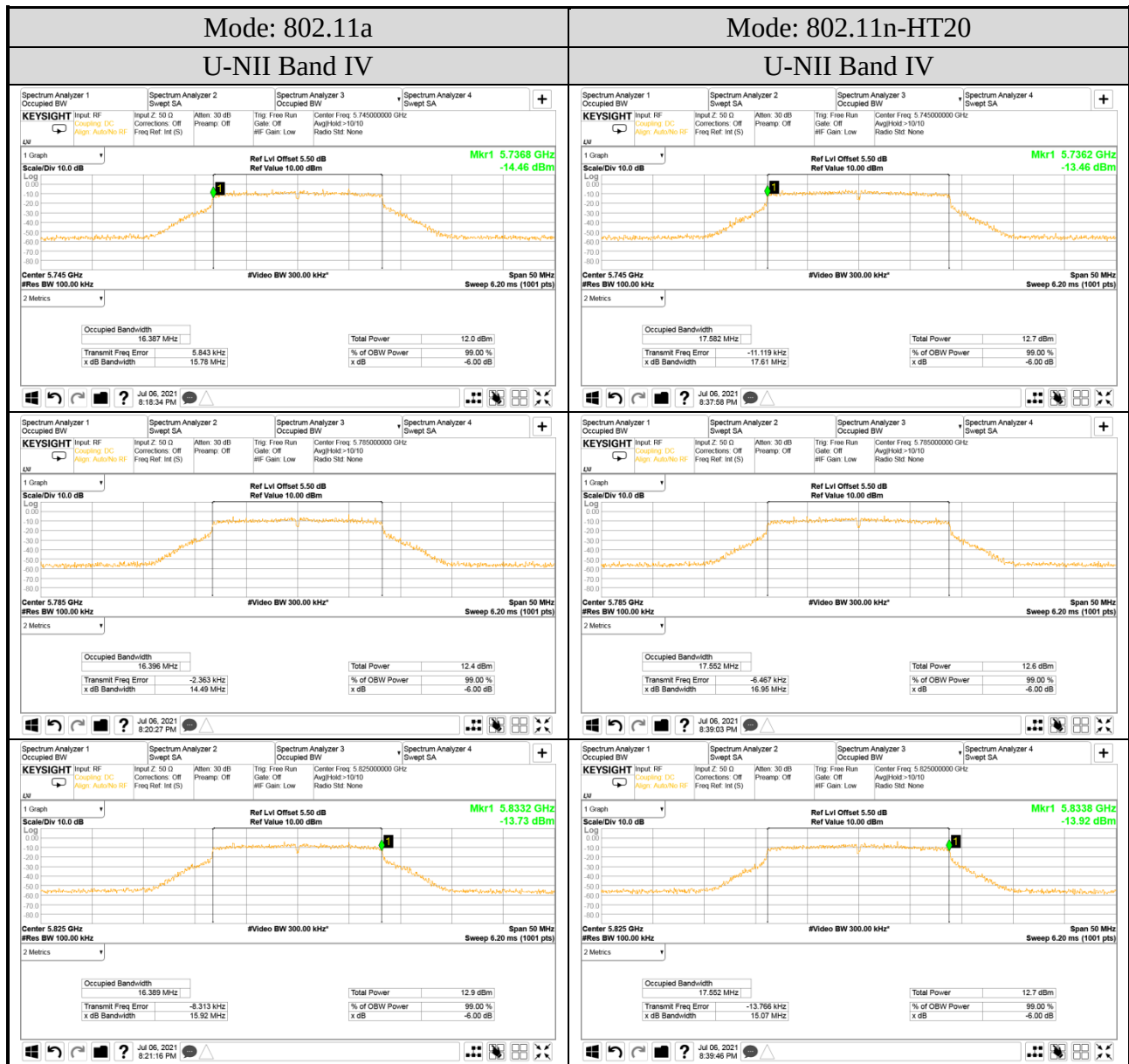
U-NII Band III

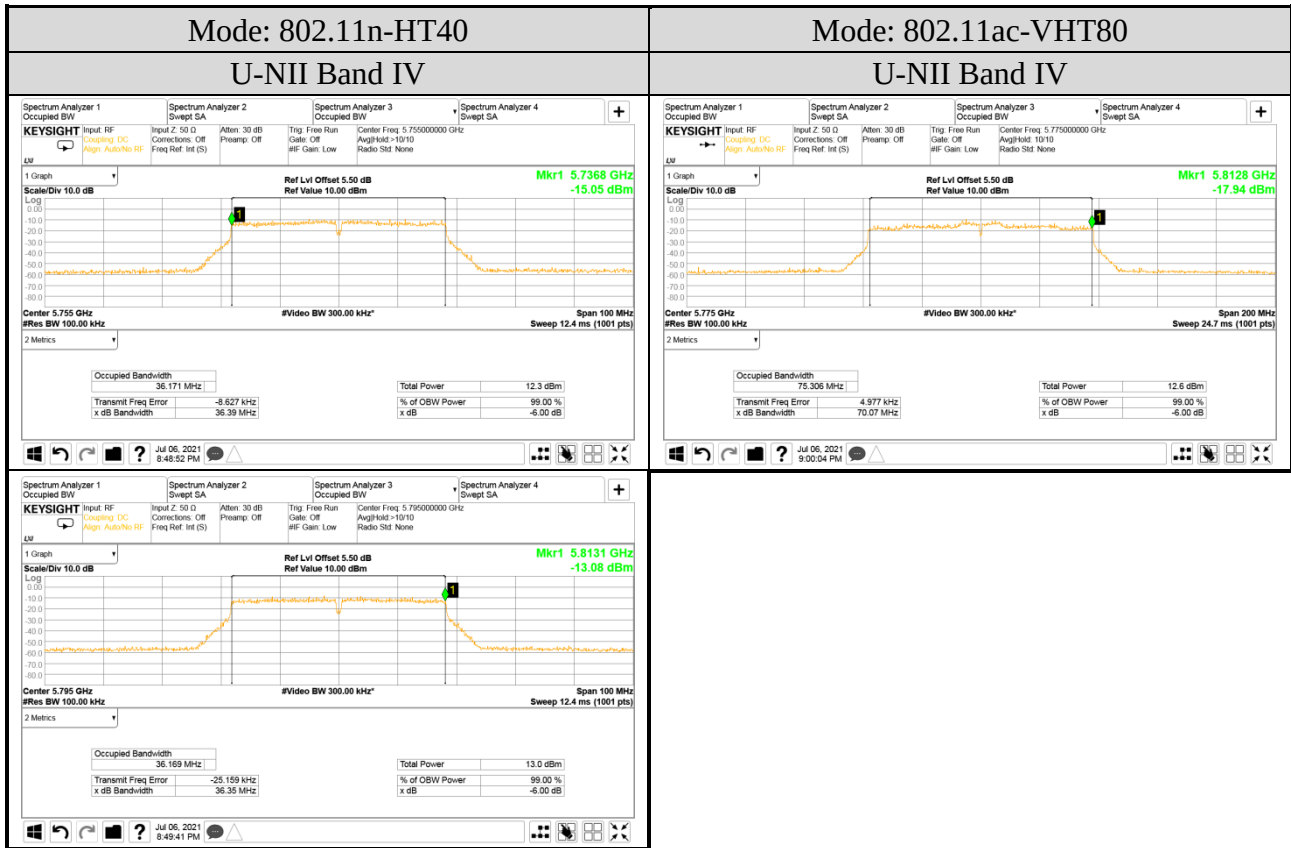


● 6dB 頻寬

無線模組

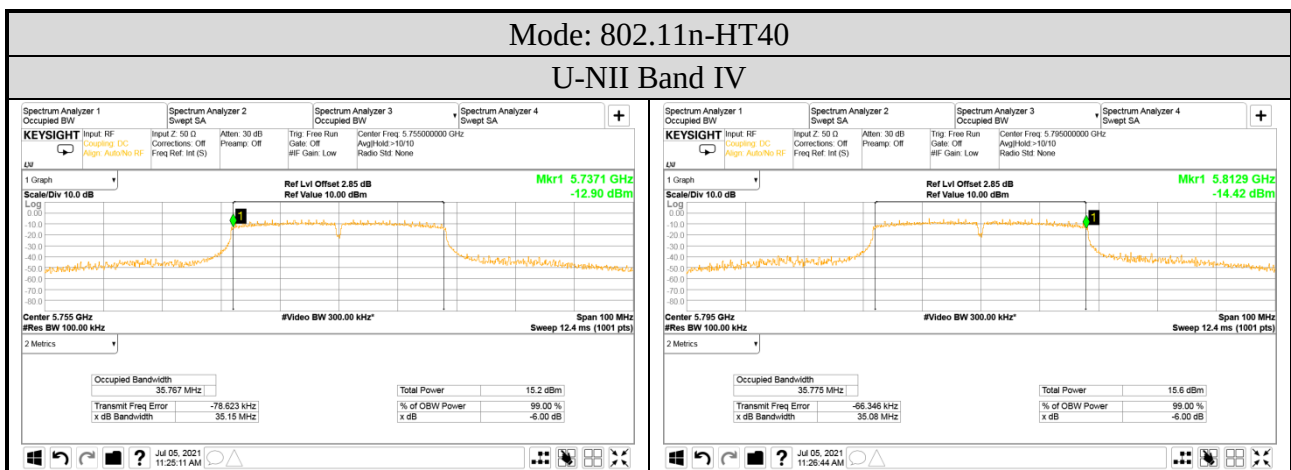
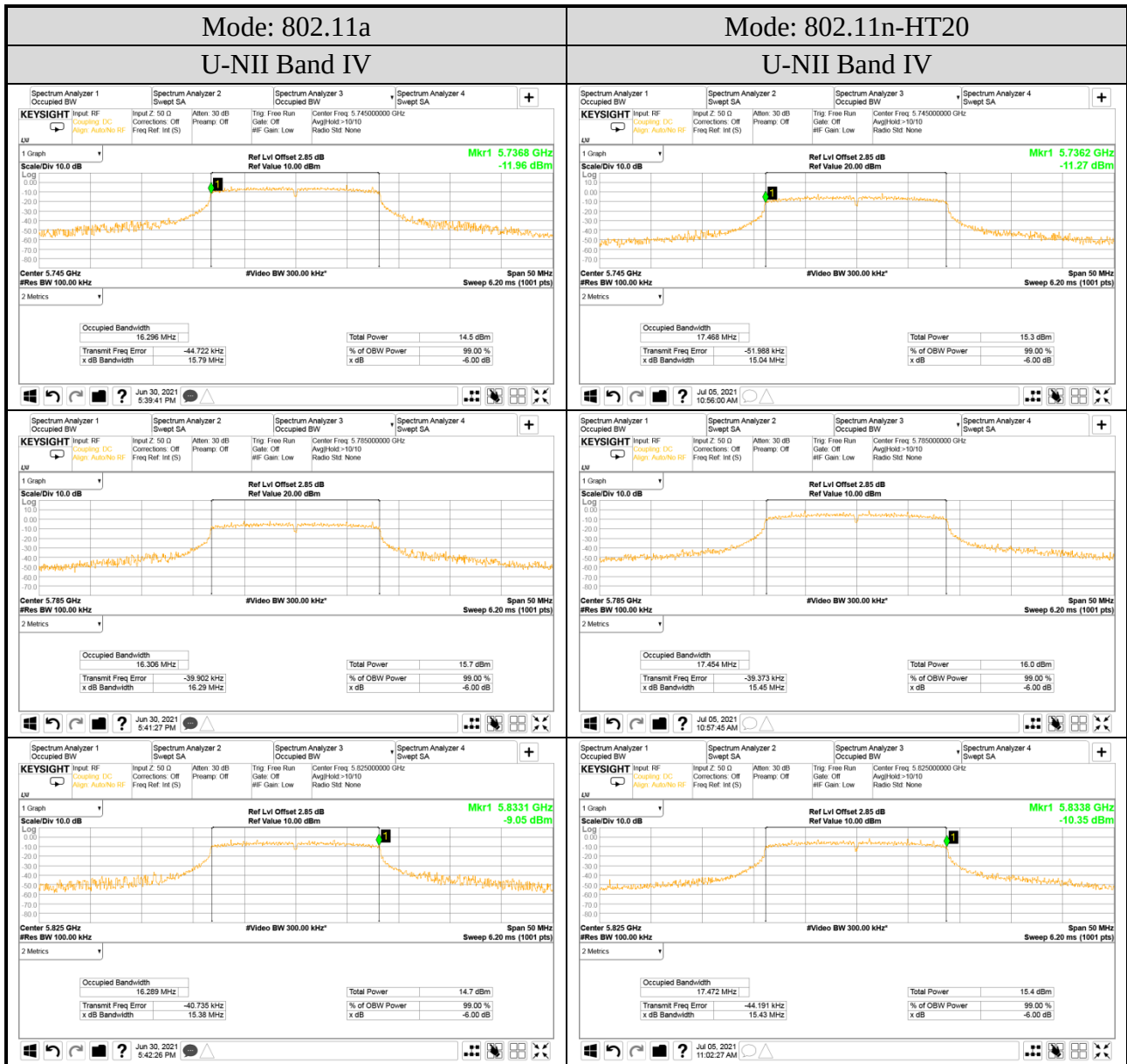
WM-BAC-AT-49





無線模組

LBEE5ZZ1PJ



3. 峰值功率頻譜密度之量測

測試日期	2021/07/05 ~ 06	環境溫/濕度	23 ~ 24°C/48 ~ 52%
測試電壓	AC 110V, 60Hz (經電源供應器供電)	測試人員	Sam Chang
電纜損失	無線模組 WM-BAC-AT-49: 無線模組 LBEE5ZZ1PJ : 		

3.1. 峰值功率頻譜密度

無線模組	WM-BAC-AT-49
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Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11a	I	5180	0.291	11 dBm/MHz
		5200	0.002	
		5240	-0.917	
	II	5260	-1.412	
		5300	-1.405	
		5320	-1.130	
	III	5500	-2.214	
		5580	-2.738	
		5700	-2.875	
	IV ^{Note2}	5745	-4.892	30dBm/500 kHz
		5785	-4.175	
		5825	-4.308	

Note 1: All results have been included cable loss and Simultaneous Factor and correct duty factor.

Note 2: BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11n-HT20	I	5180	0.066	11 dBm/MHz
		5200	-0.945	
		5240	-2.007	
	II	5260	-2.167	
		5300	-1.897	
		5320	-1.392	
	III	5500	-2.940	30dBm/500 kHz
		5580	-3.190	
		5700	-3.498	
	IV ^{Note2}	5745	-4.332	
		5785	-4.440	
		5825	-3.930	
802.11n-HT40	I	5190	-3.811	11 dBm/MHz
		5230	-3.810	
	II	5270	-4.454	
		5310	-3.421	
	III	5510	-6.712	
		5590	-6.382	
		5670	-5.273	
	IV ^{Note2}	5755	-7.625	30dBm/500 kHz
		5795	-7.562	
802.11ac-VHT80	I	5210	-3.840	11 dBm/MHz
	II	5290	-4.689	
	III	5530	-5.612	
	IV ^{Note2}	5775	-8.450	30dBm/500 kHz

Note 1: All results have been included cable loss and Simultaneous Factor and correct duty factor.

Note 2: BWCF 7dB (100kHz converted to 500kHz) has been included in the test result.

無線模組	LBEE5ZZ1PJ
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Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11a	I	5180	0.707	11 dBm/MHz
		5200	0.726	
		5240	0.607	
	II	5260	-0.607	
		5300	-0.143	
		5320	-0.140	
	III	5500	0.676	30dBm/500 kHz
		5580	-0.652	
		5700	-0.395	
	IV ^{Note2}	5745	-2.564	
		5785	-1.615	
		5825	-2.240	

Note 1: All results have been included cable loss and Simultaneous Factor and correct duty factor.

Note 2: BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

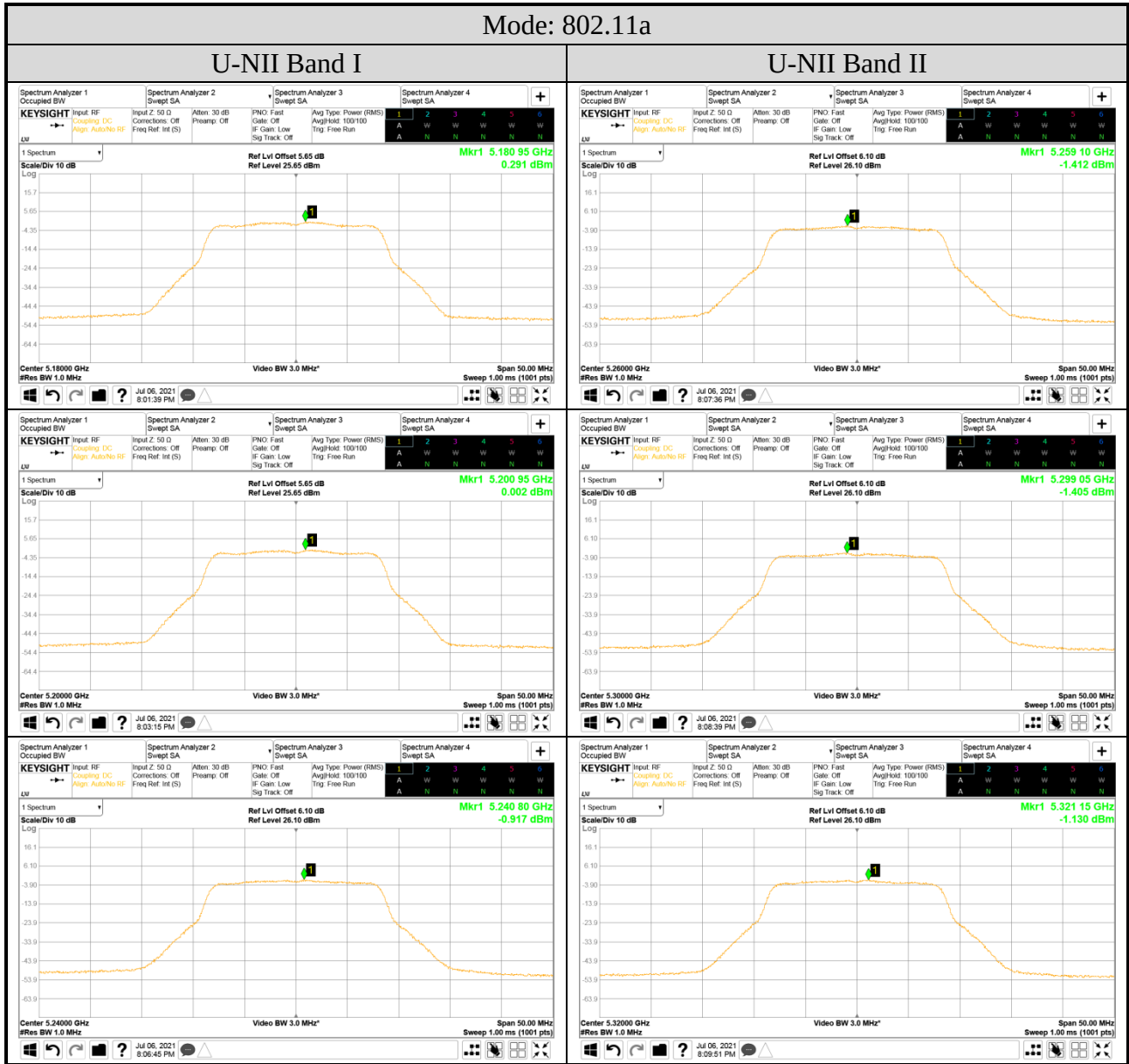
Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11n-HT20	I	5180	-0.099	11 dBm/MHz
		5200	0.095	
		5240	-0.211	
	II	5260	-0.522	
		5300	-0.744	
		5320	-0.783	
	III	5500	0.260	30dBm/500 kHz
		5580	0.714	
		5700	-0.738	
	IV ^{Note2}	5745	-1.939	
		5785	-1.552	
		5825	-1.391	
802.11n-HT40	I	5190	-4.051	11 dBm/MHz
		5230	-1.403	
	II	5270	-2.307	
		5310	-2.944	
	III	5510	-3.853	
		5590	-2.446	
		5670	-2.797	
	IV ^{Note2}	5755	-5.802	30dBm/500 kHz
		5795	-4.101	

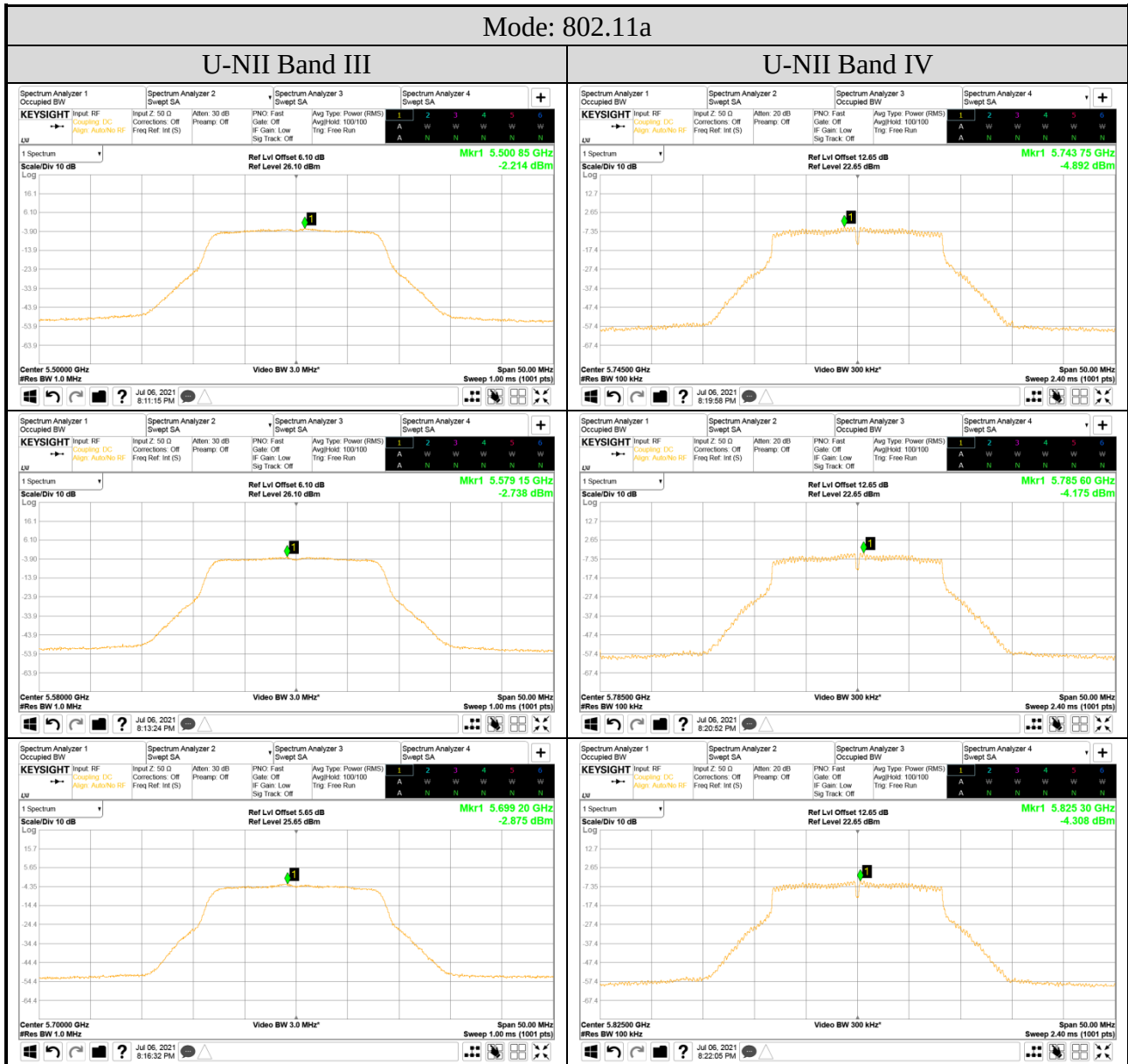
Note 1: All results have been included cable loss and Simultaneous Factor and correct duty factor.

Note 2: BWCF 7dB (100kHz converted to 500kHz) has been included in the test result.

3.2. 峰值功率頻譜密度之量測圖

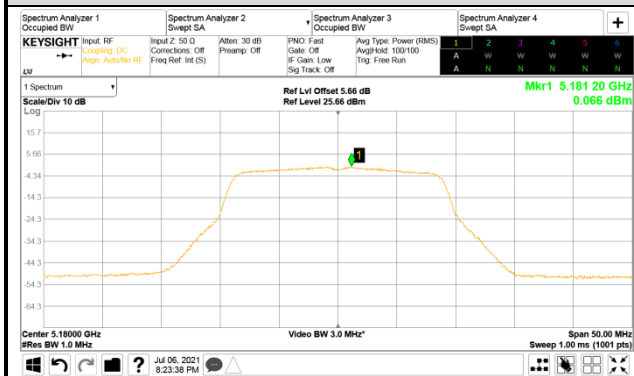
無線模組	WM-BAC-AT-49
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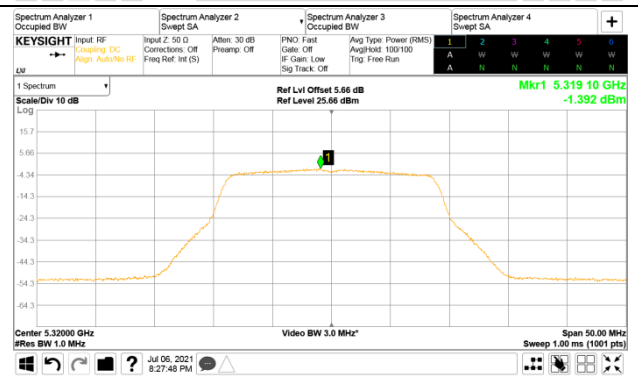
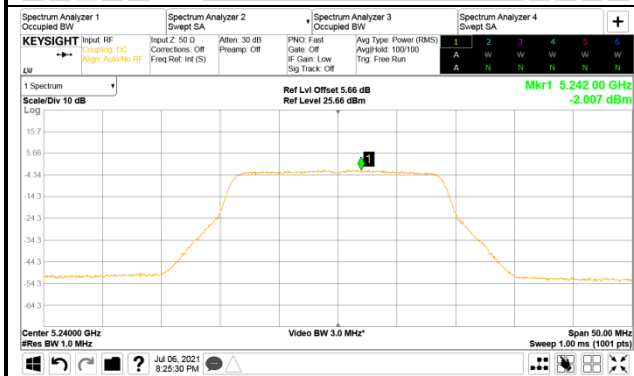
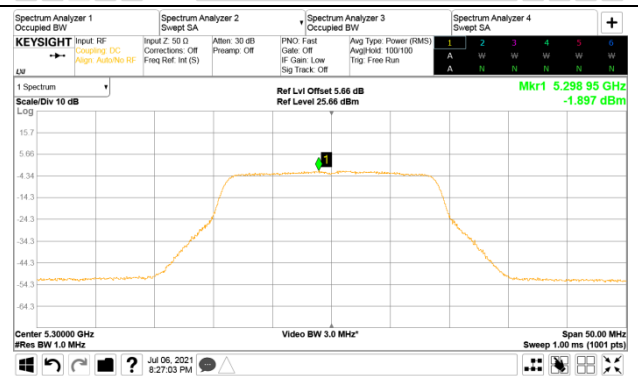
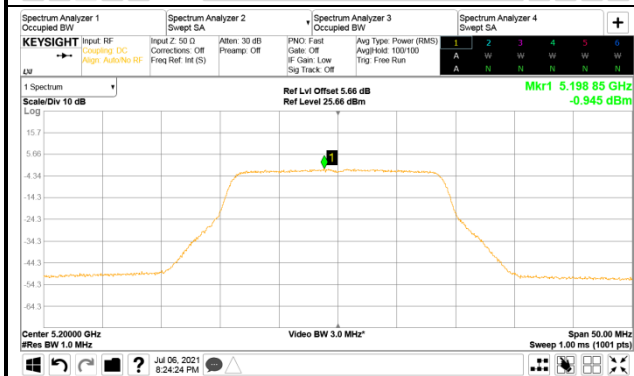
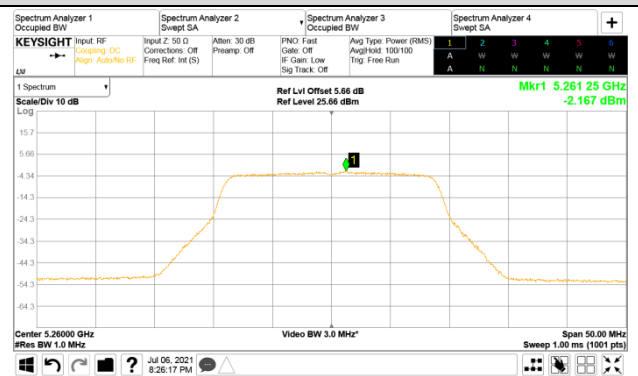


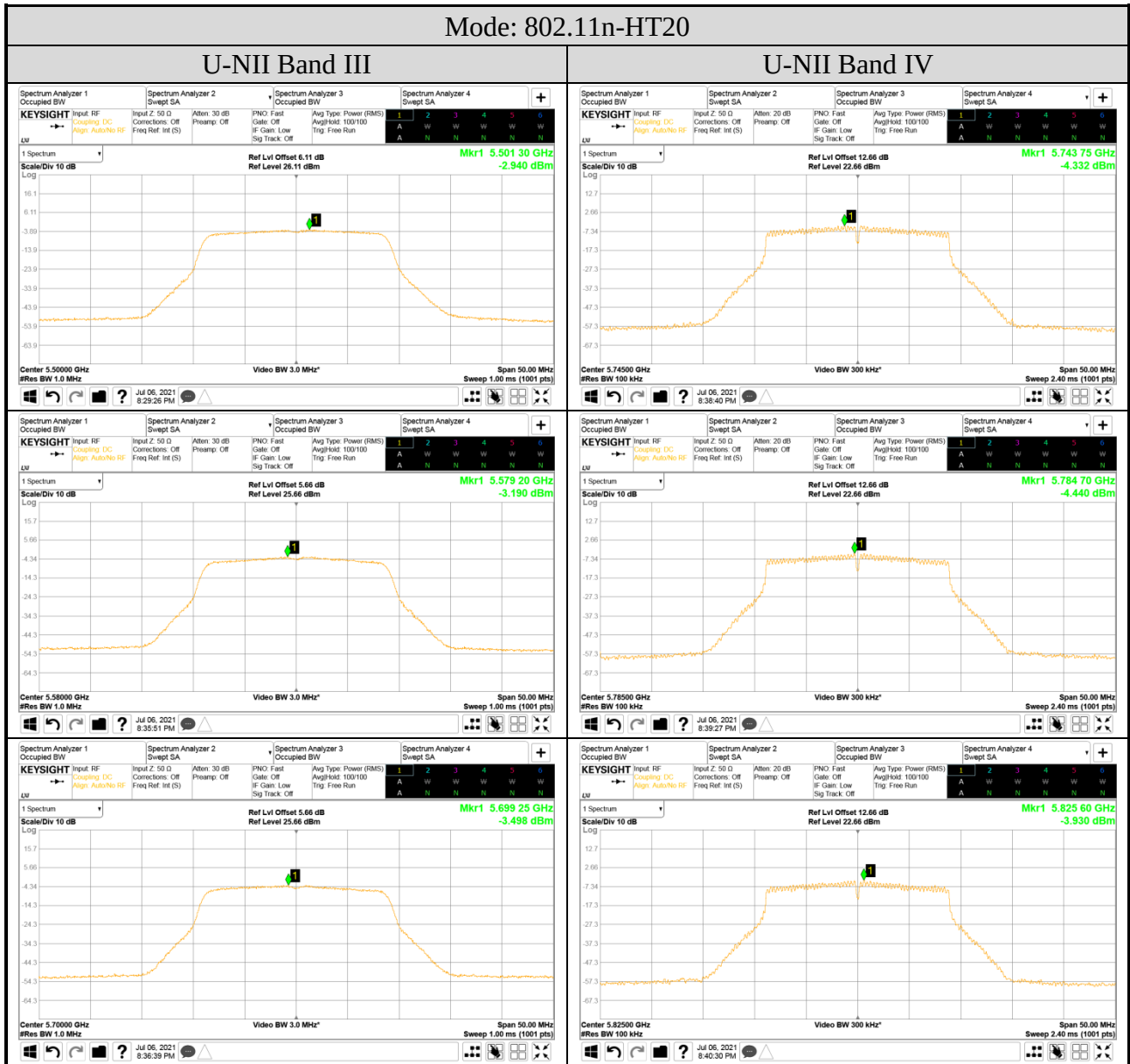
Mode: 802.11n-HT20

U-NII Band I



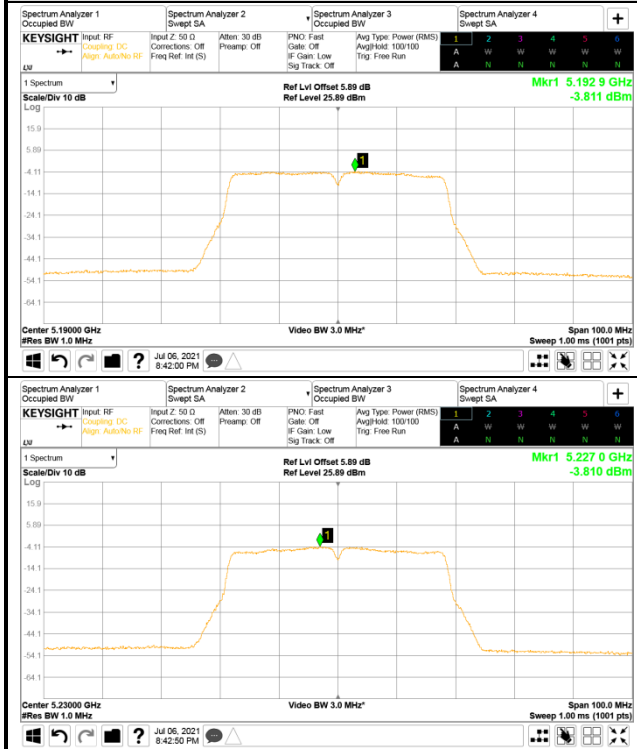
U-NII Band II



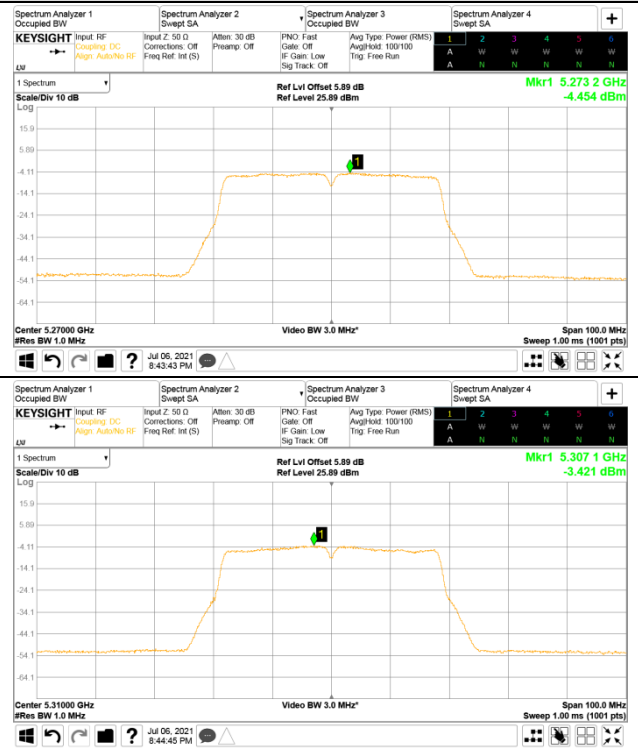


Mode: 802.11n-HT40

U-NII Band I

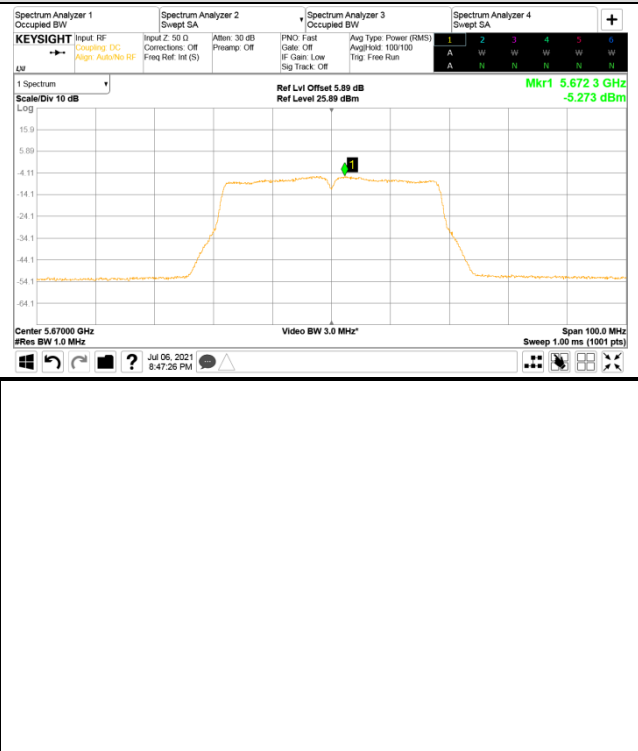
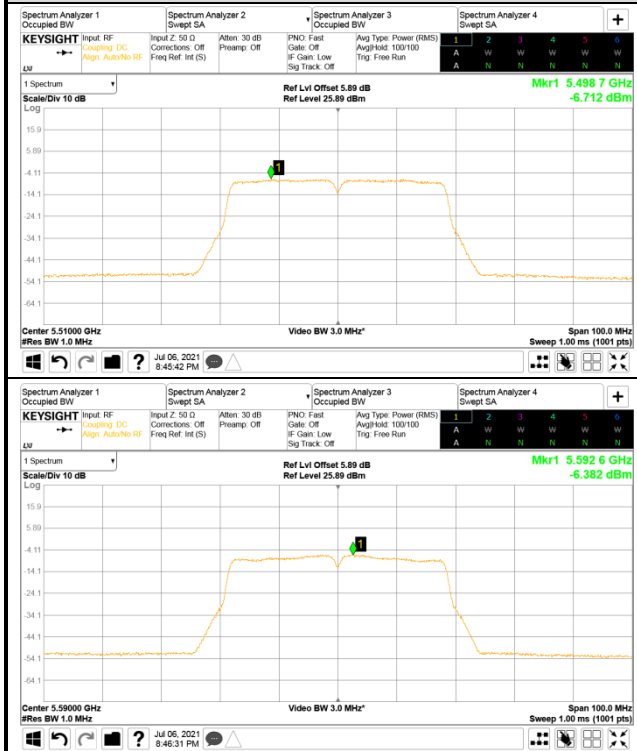


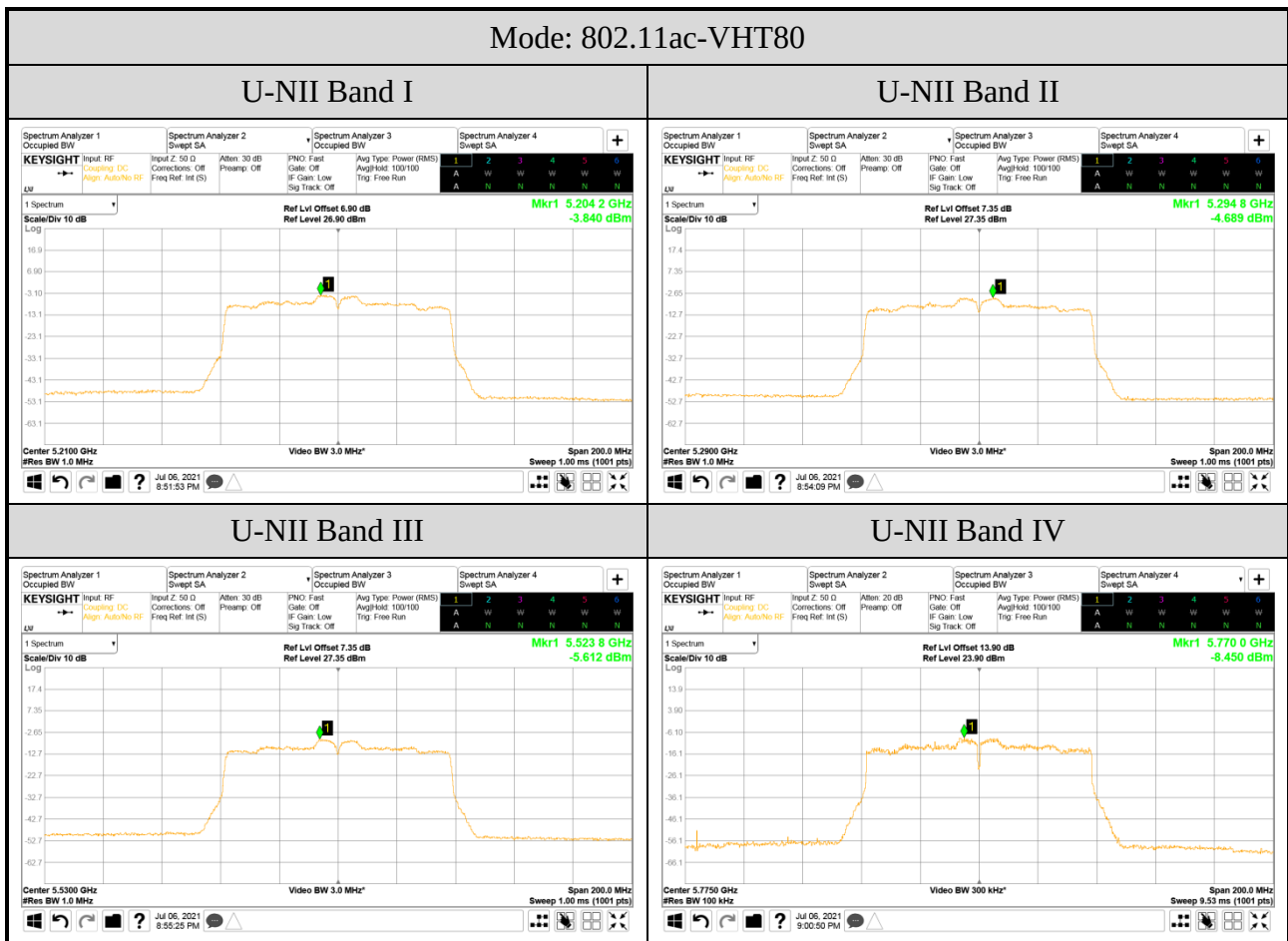
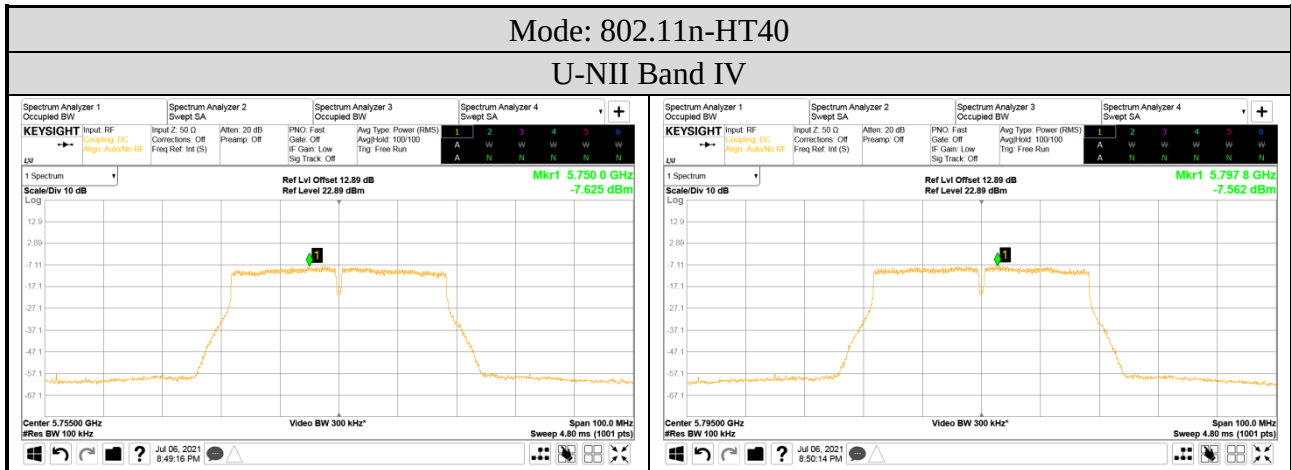
U-NII Band II



Mode: 802.11n-HT40

U-NII Band III





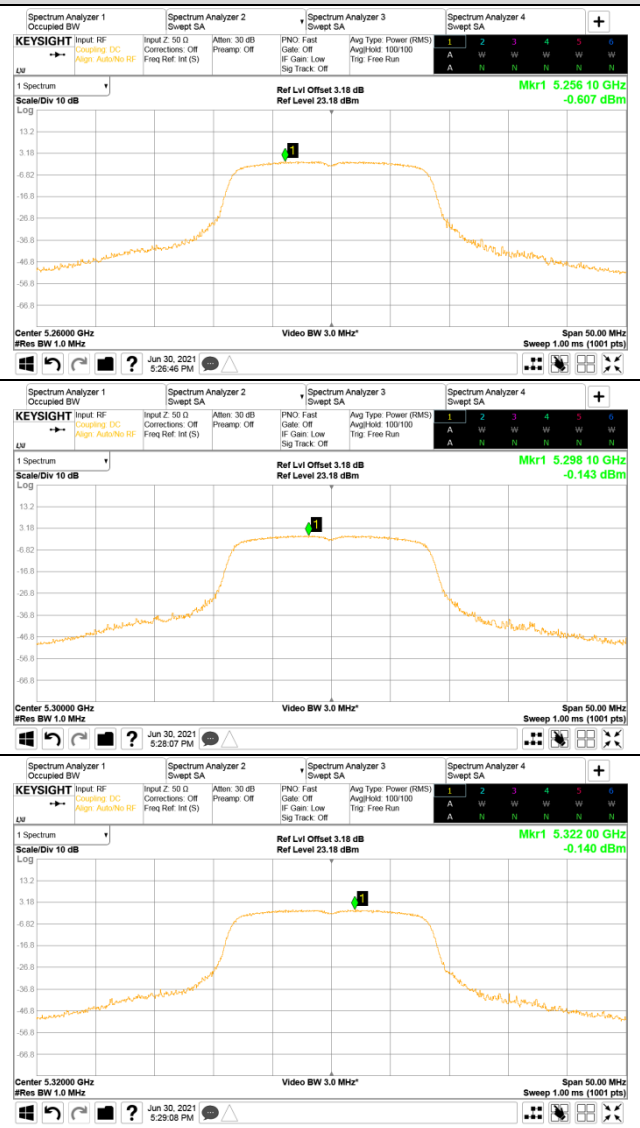
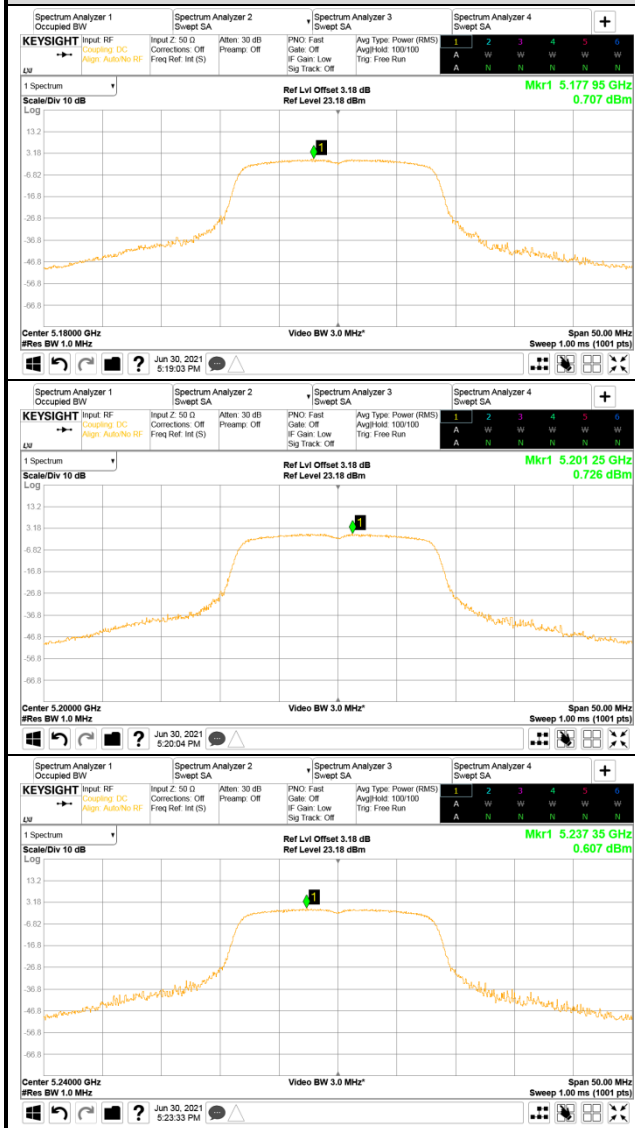
無線模組

LBEE5ZZ1PJ

Mode: 802.11a

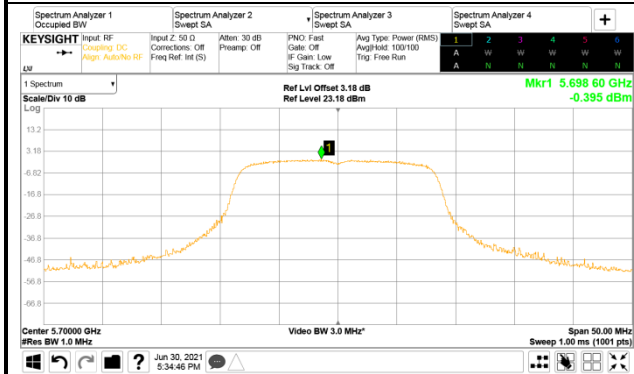
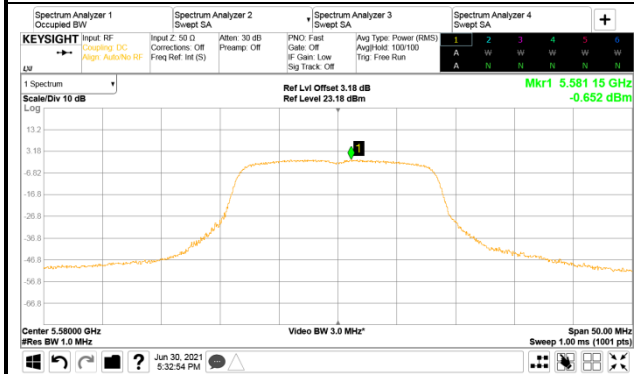
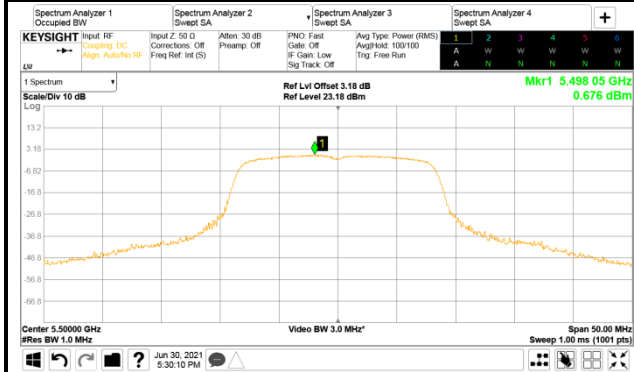
U-NII Band I

U-NII Band II

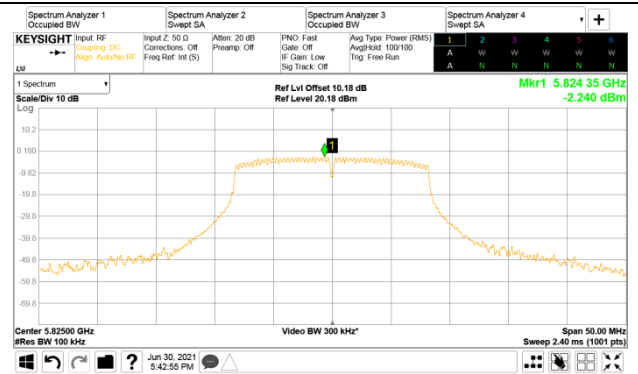
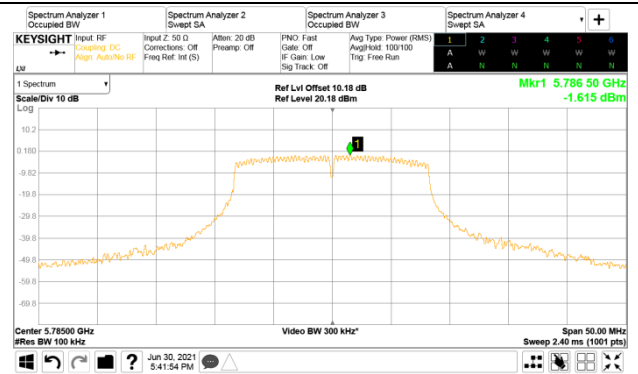
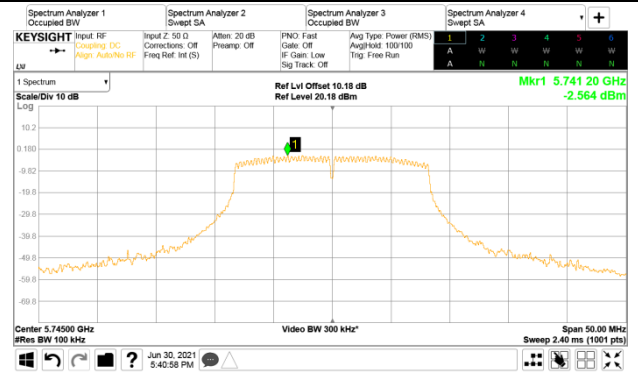


Mode: 802.11a

U-NII Band III

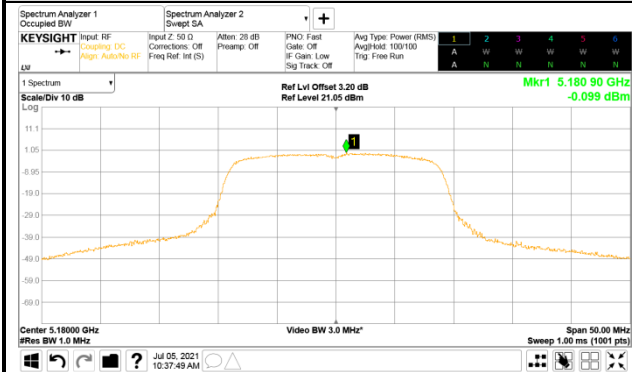


U-NII Band IV

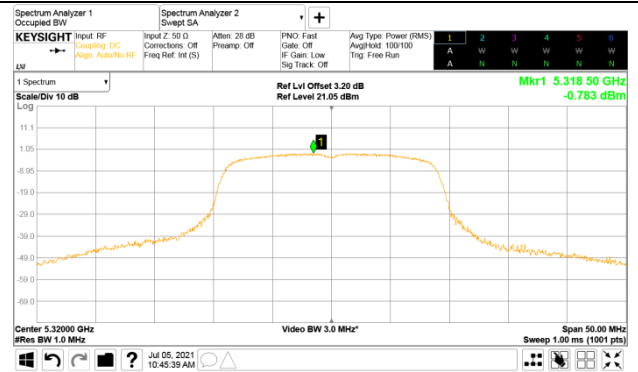
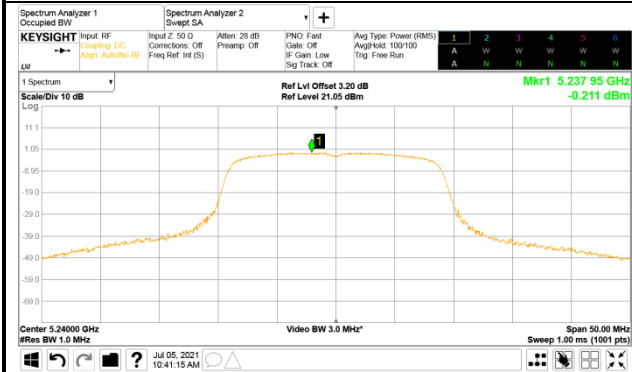
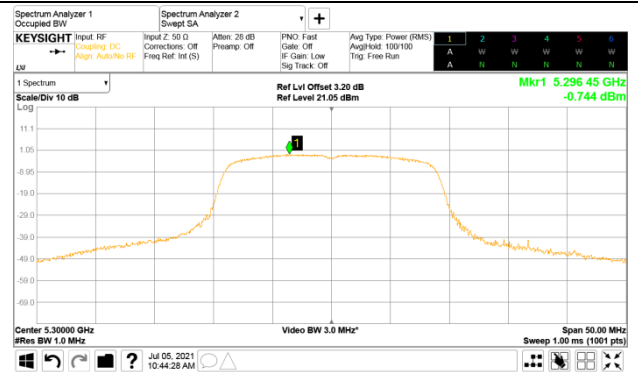
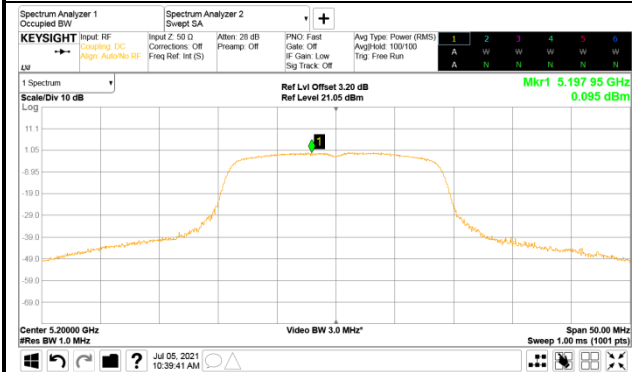
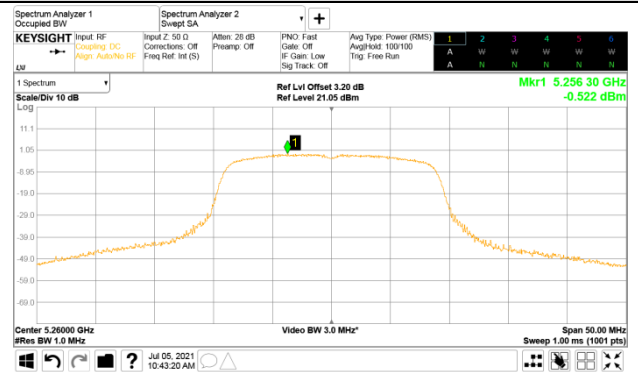


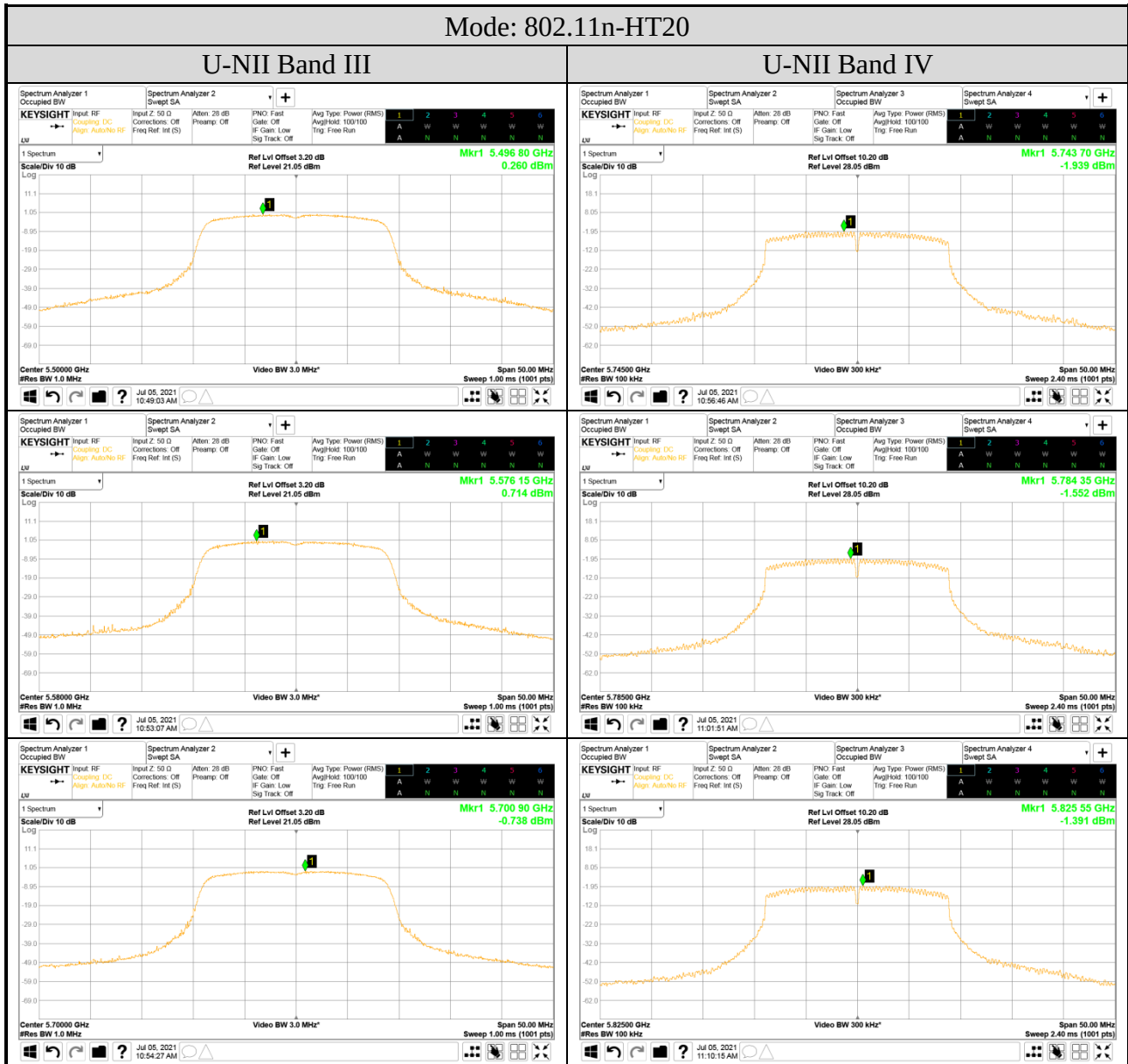
Mode: 802.11n-HT20

U-NII Band I



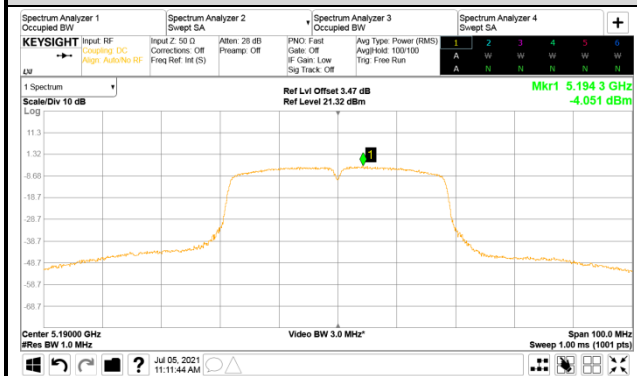
U-NII Band II



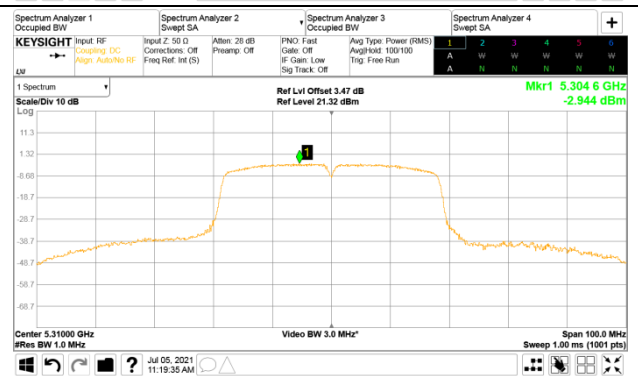
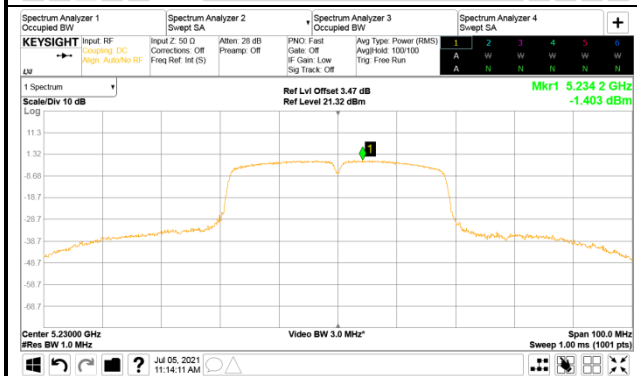
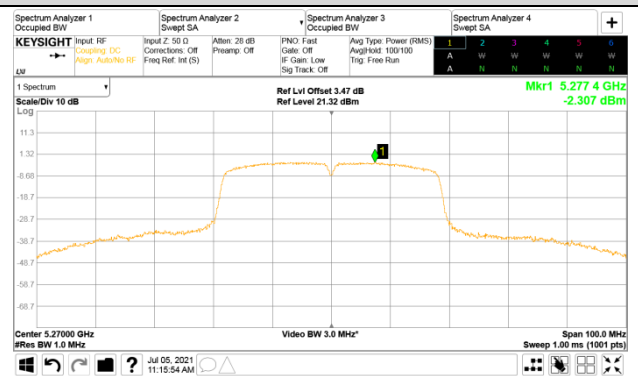


Mode: 802.11n-HT40

U-NII Band I

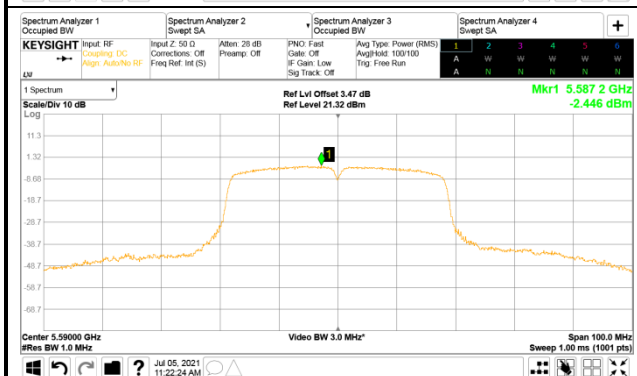
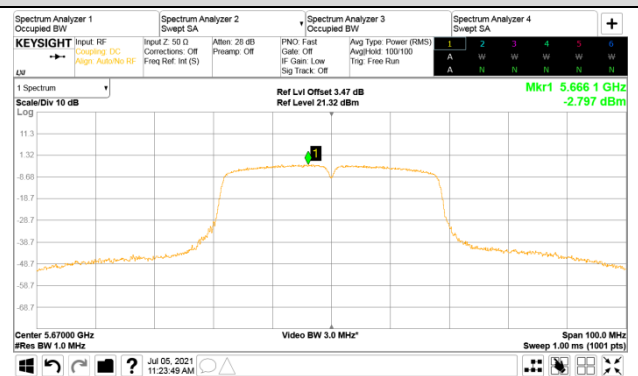
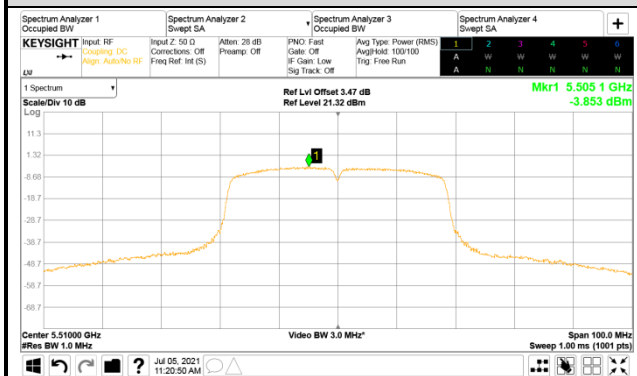


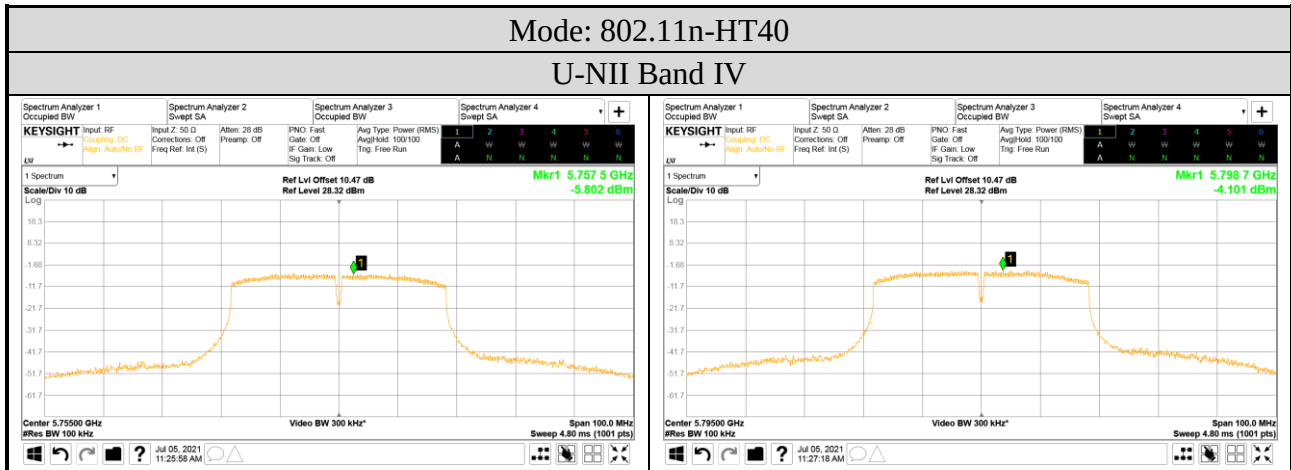
U-NII Band II



Mode: 802.11n-HT40

U-NII Band III

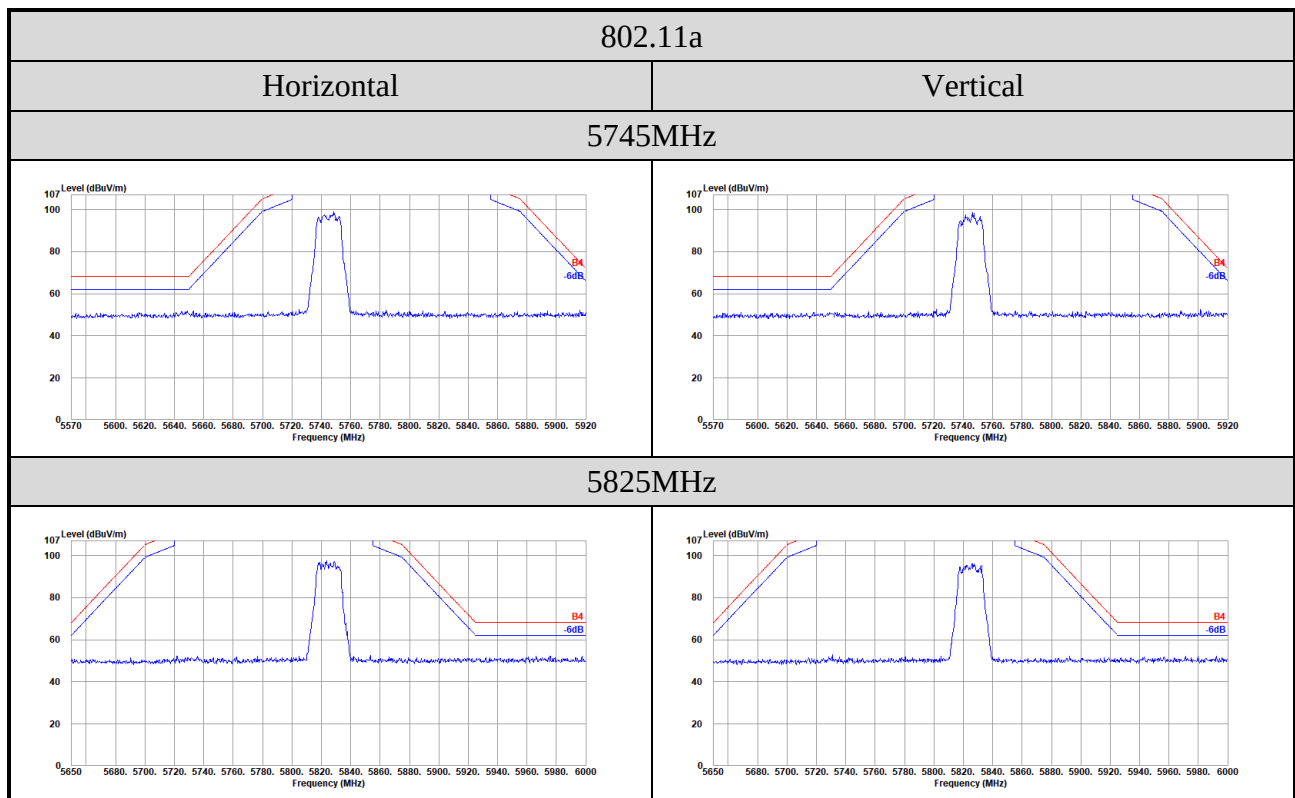


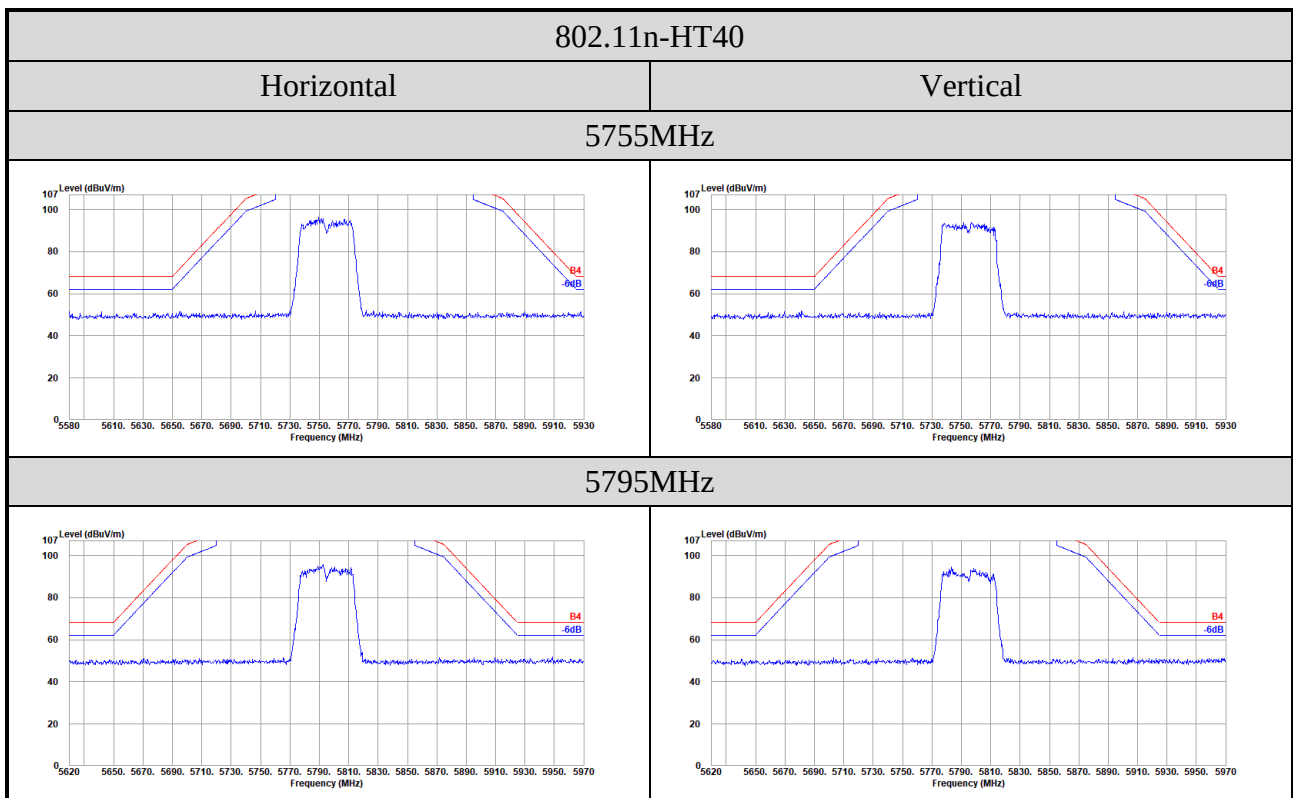
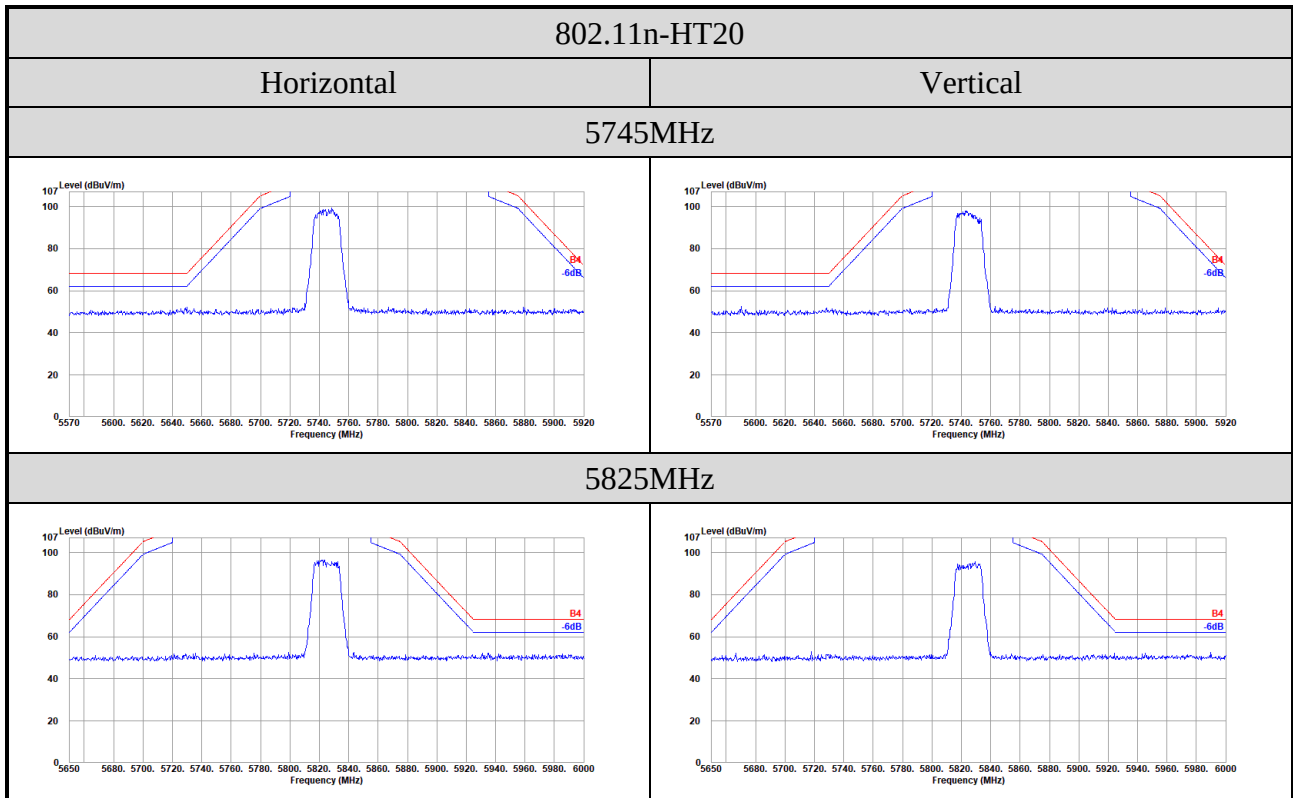


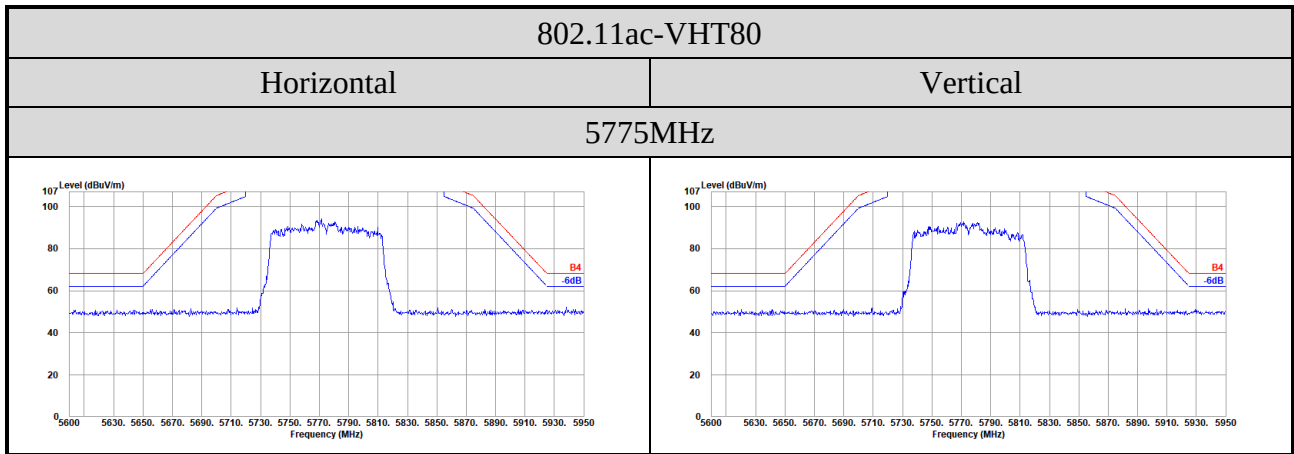
4. 頻帶邊緣之 RF 輻射發射之量測

測試日期	2021/07/08		環境溫/濕度	26°C/62%	
電纜損失	---		測試電壓	AC 110V, 60Hz (經電源供應器供電)	
			測試人員	Sam Chang	
Simultaneous Factor10 log(n) (Note: “n” is antenna number)		無線模組 WM-BAC-AT-49: 3dB		無線模組 LBEE5ZZ1PJ : 0dB	

無線模組	WM-BAC-AT-49
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無線模組	LBEE5ZZ1PJ
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