

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(測至本地振盪頻率之 10 次諧波)依下列測試模式分別於電波暗室內進行量測，實驗室先將受測物裝置分別以三種不同的擺設方式(站立、平放、側立)進行量試評估，最後選取最大場強值的擺設方式(站立)以低、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。最後，選擇較差模式進行讀值之測量，所得讀值資料請見章節 1.1 ~1.2：

支援 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。

模式	動作狀態	基本頻率		量測頻率範圍
802.11a	發射	UNII Band I	5180MHz(CH36)	1000-40000MHz
		UNII Band II	5320MHz(CH64)	
		UNII Band III	5700MHz(CH140) *	30-1000MHz
		UNII Band IV	5785MHz(CH157)	1000-40000MHz
802.11n-HT20	發射	UNII Band I	5180MHz(CH36)	1000-40000MHz
		UNII Band II	5320MHz(CH64)	
		UNII Band III	5700MHz(CH140)	
		UNII Band IV	5785MHz(CH157)	
802.11n-HT40	發射	UNII Band I	5190MHz(CH38)	1000-40000MHz
		UNII Band II	5310MHz (CH62)	
		UNII Band III	5670MHz(CH134)	
		UNII Band IV	5755MHz(CH151)	
802.11ac-VHT80	發射	UNII Band I	5210MHz(CH42)	1000-40000MHz
		UNII Band II	5290MHz (CH58)	
		UNII Band III	5530MHz(CH106)	
		UNII Band IV	5795MHz(CH159)	
---	接收	UNII Band III	5700MHz(CH140)	30-1000MHz
				1000-40000MHz

註: *: 經評估後，以最差頻率進行 30-1000MHz 量測。

對受測物裝置落於技術規範第 2.7 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。

模式	動作狀態	基本頻率		量測頻率範圍
802.11a	發射	UNII Band I	5180MHz (CH36)	5100-5200MHz
		UNII Band II	5320MHz (CH64)	5260-5460MHz
		UNII Band III	5500MHz (CH100)	5350-5550MHz
			5700MHz (CH140)	5660-5760MHz
802.11n- HT20	發射	UNII Band I	5180MHz (CH36)	5100-5200MHz
		UNII Band II	5320MHz (CH64)	5260-5460MHz
		UNII Band III	5500MHz (CH100)	5350-5550MHz
			5700MHz (CH140)	5660-5760MHz
802.11n- HT40	發射	UNII Band I	5190MHz (CH38)	5100-5220MHz
		UNII Band II	5310MHz (CH62)	5260-5460MHz
		UNII Band III	5510MHz (CH102)	5350-5550MHz
			5670MHz (CH134)	5640-5760MHz
802.11ac- VHT80	發射	UNII Band I	5210MHz (CH42)	5100-5260MHz
		UNII Band II	5290MHz (CH58)	5240-5460MHz
		UNII Band III	5530MHz (CH106)	5350-5580MHz

測試日期	2020/06/30 - 07/07	環境溫/濕度	24-25°C/46-55%
測試電壓	DC 7.2V (透過鋰電池供電)	測試人員	Brain Hsieh

1.1. 30-1000MHz 頻率範圍，其他不必要發射量測

Mode	802.11a	UNII Band	III
		Frequency	TX 5700MHz

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
34.850	22.18	1.35	26.52	28.67	25.68	40.00	14.32	Peak
216.240	16.49	3.70	25.83	32.30	26.66	46.00	19.34	Peak
323.910	19.96	4.91	25.92	30.20	29.15	46.00	16.85	Peak
540.220	24.04	6.97	27.33	29.88	33.56	46.00	12.44	Peak
814.730	26.23	8.22	27.37	30.09	37.17	46.00	8.83	Peak
943.740	27.07	8.91	27.01	30.55	39.52	46.00	6.48	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
50.370	14.52	1.65	26.50	43.26	32.93	40.00	7.07	Peak
79.470	13.11	2.17	26.38	44.94	33.84	40.00	6.16	Peak
107.600	17.53	2.53	26.27	41.01	34.80	43.50	8.70	Peak
540.220	24.04	6.97	27.33	31.34	35.02	46.00	10.98	Peak
943.740	27.07	8.91	27.01	31.72	40.69	46.00	5.31	Peak
985.450	27.32	9.10	26.87	29.98	39.53	54.00	14.47	Peak

Mode	---	Frequency	RX 5700MHz
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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
33.880	22.55	1.32	26.52	29.39	26.74	40.00	13.26	Peak
216.240	16.49	3.70	25.83	33.46	27.82	46.00	18.18	Peak
323.910	19.96	4.91	25.92	31.11	30.06	46.00	15.94	Peak
540.220	24.04	6.97	27.33	31.71	35.39	46.00	10.61	Peak
943.740	27.07	8.91	27.01	32.96	41.93	46.00	4.07	Peak
978.660	27.28	9.07	26.90	29.46	38.91	54.00	15.09	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
50.370	14.52	1.65	26.50	43.14	32.81	40.00	7.19	Peak
79.470	13.11	2.17	26.38	45.89	34.79	40.00	5.21	Peak
107.600	17.53	2.53	26.27	41.78	35.57	43.50	7.93	Peak
323.910	19.96	4.91	25.92	30.48	29.43	46.00	16.57	Peak
540.220	24.04	6.97	27.33	31.07	34.75	46.00	11.25	Peak
943.740	27.07	8.91	27.01	32.92	41.89	46.00	4.11	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。

Mode	802.11a	Frequency	TX 5180MHz
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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
10360.000	37.63	14.75	34.87	31.35	48.86	54.00	5.14	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
10360.000	37.63	14.75	34.87	30.50	48.01	54.00	5.99	Peak

Mode	802.11a	Frequency	TX 5320MHz
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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
10640.000	37.83	14.91	34.68	30.61	48.67	54.00	5.33	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
10640.000	37.83	14.91	34.68	31.30	49.36	54.00	4.64	Peak

Mode	802.11a	Frequency	TX 5700MHz
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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
11400.000	38.20	15.41	34.63	31.01	49.99	54.00	4.01	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
11400.000	38.20	15.41	34.63	29.51	48.49	54.00	5.51	Peak

Mode	802.11a	Frequency	TX 5785MHz
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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	38.37	15.53	34.65	30.15	49.40	54.00	4.60	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	38.37	15.53	34.65	30.40	49.65	54.00	4.35	Peak

Mode	802.11n-HT20	Frequency	TX 5180MHz
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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
10360.000	37.63	14.75	34.87	31.13	48.64	54.00	5.36	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
10360.000	37.63	14.75	34.87	32.37	49.88	54.00	4.12	Peak

Mode	802.11n-HT20	Frequency	TX 5700MHz
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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
11400.000	38.20	15.41	34.63	30.24	49.22	54.00	4.78	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
11400.000	38.20	15.41	34.63	29.77	48.75	54.00	5.25	Peak

Mode	802.11n-HT20	Frequency	TX 5320MHz
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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	37.83	14.91	34.68	31.61	49.67	54.00	4.33	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	37.83	14.91	34.68	29.86	47.92	54.00	6.08	Peak

Mode	802.11n-HT20	Frequency	TX 5785MHz
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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	38.37	15.53	34.65	30.62	49.87	54.00	4.13	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
11570.000	38.37	15.53	34.65	30.57	49.82	54.00	4.18	Peak

Mode	802.11n-HT40	Frequency	TX 5190MHz
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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	37.70	14.76	34.84	31.96	49.58	54.00	4.42	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	37.70	14.76	34.84	31.52	49.14	54.00	4.86	Peak

Mode	802.11n-HT40	Frequency	TX 5310MHz
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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	37.80	14.90	34.69	30.66	48.67	54.00	5.33	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	37.80	14.90	34.69	30.61	48.62	54.00	5.38	Peak

Mode	802.11n-HT40	Frequency	TX 5670MHz
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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	38.13	15.36	34.62	30.15	49.02	54.00	4.98	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	38.13	15.36	34.62	29.28	48.15	54.00	5.85	Peak

Mode	802.11n-HT40	Frequency	TX 5755MHz
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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
11510.000	38.30	15.49	34.64	30.74	49.89	54.00	4.11	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
11510.000	38.30	15.49	34.64	30.82	49.97	54.00	4.03	Peak

Mode	802.11ac-VHT80	Frequency	TX 5210MHz
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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	37.70	14.78	34.81	31.08	48.75	54.00	5.25	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	37.70	14.78	34.81	30.60	48.27	54.00	5.73	Peak

Mode	802.11ac-VHT80	Frequency	TX 5290MHz
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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	37.77	14.88	34.70	30.45	48.40	54.00	5.60	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	37.77	14.88	34.70	30.67	48.62	54.00	5.38	Peak

Mode	802.11ac-VHT80	Frequency	TX 5530MHz
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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	37.93	15.17	34.59	30.46	48.97	54.00	5.03	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	37.93	15.17	34.59	31.02	49.53	54.00	4.47	Peak

Mode	802.11ac-VHT80	Frequency	TX 5795MHz
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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	38.40	15.55	34.65	29.95	49.25	54.00	4.75	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	38.40	15.55	34.65	30.29	49.59	54.00	4.41	Peak

Mode	---	Frequency	RX 5700
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Antenna at Horizontal Polarization

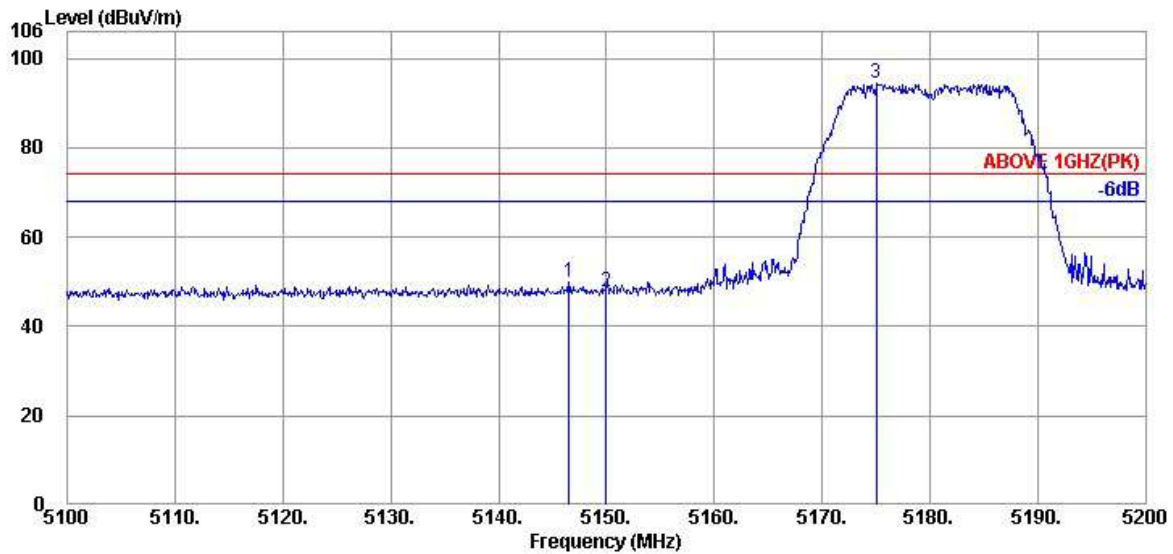
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11400.000	38.20	15.41	34.63	30.07	49.05	54.00	4.95	Peak

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
11400.000	38.20	15.41	34.63	29.84	48.82	54.00	5.18	Peak

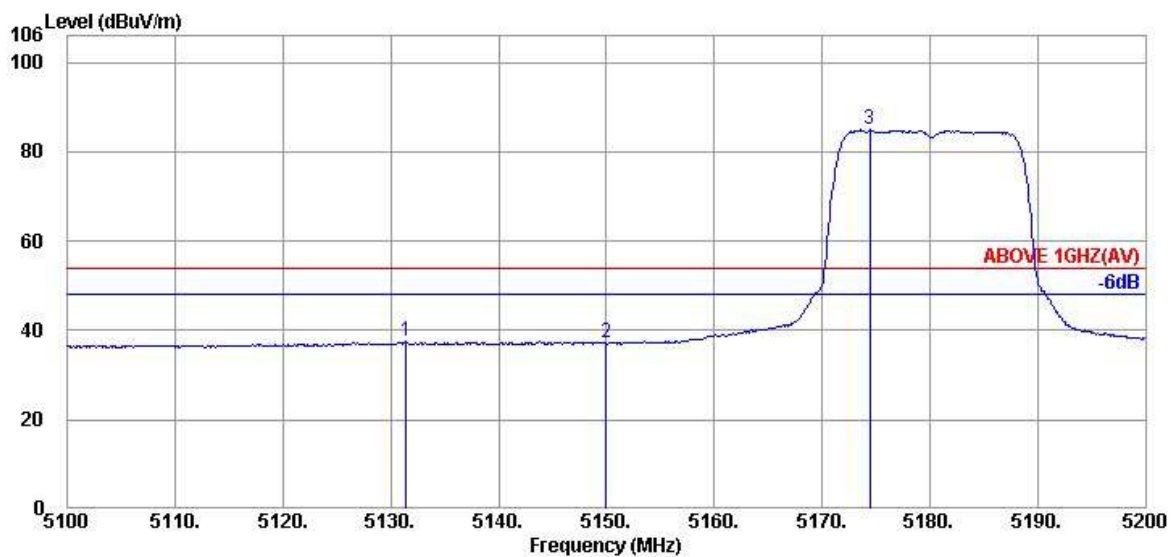
1.3. 禁用頻帶量測結果 (其他不必要發射)

Mode	802.11a	Frequency	TX 5180MHz
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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
5146.500	34.40	10.36	34.38	39.52	49.90	74.00	24.10	Peak
5150.000	34.40	10.36	34.38	37.49	47.87	74.00	26.13	Peak
@ 5175.000	34.47	10.38	34.37	83.77	94.25	---	---	Peak

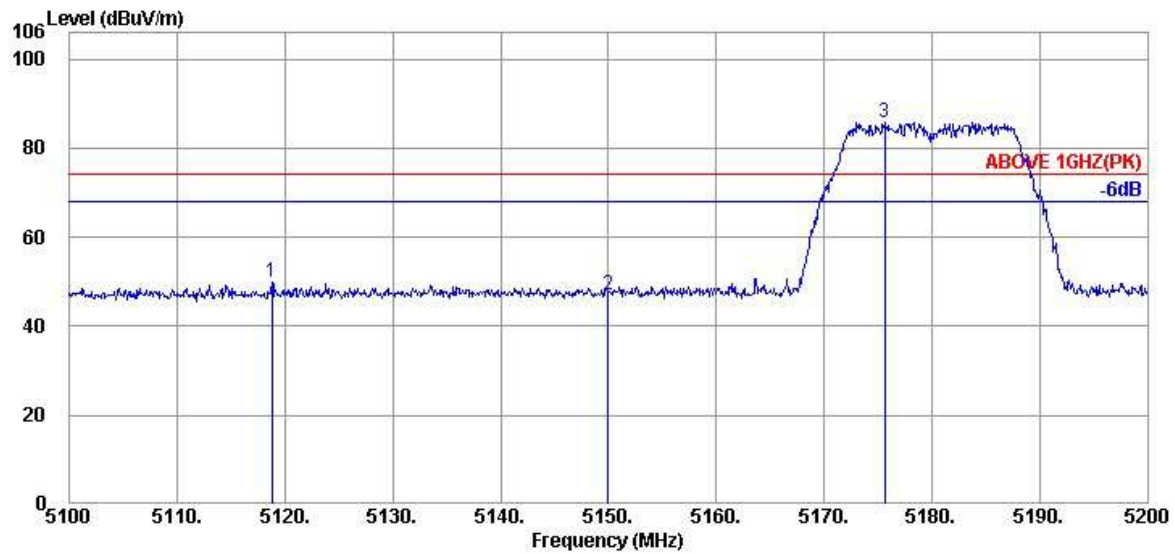


Antenna at Horizontal Polarization

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
5131.400	34.37	10.35	34.39	27.29	37.62	54.00	16.38	Average
5150.000	34.40	10.36	34.38	26.86	37.24	54.00	16.76	Average
@ 5174.400	34.47	10.38	34.37	74.38	84.86	---	---	Average

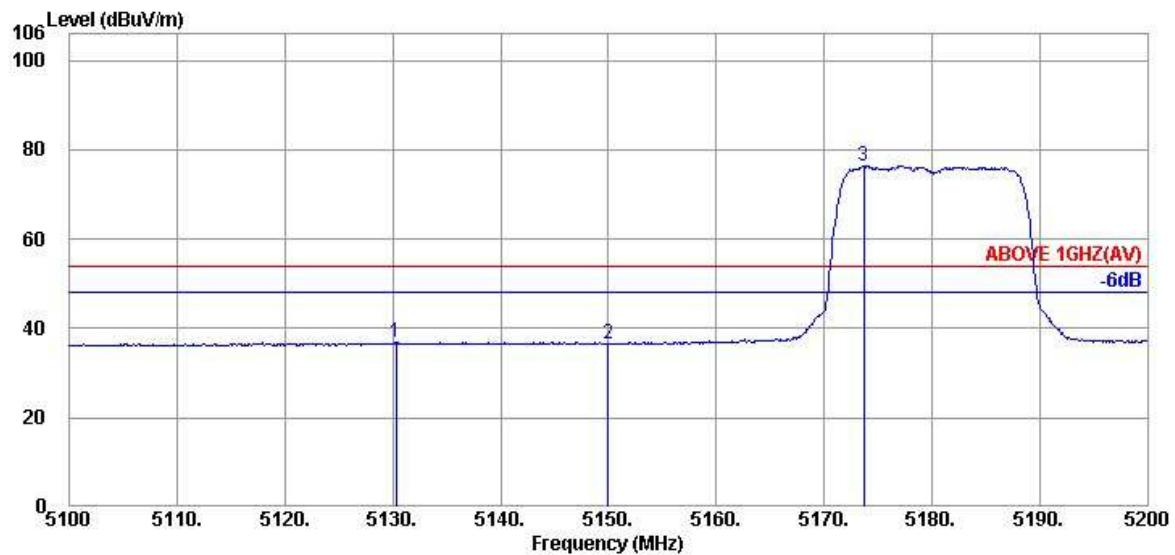
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	Frequency	TX 5180MHz
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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
5118.800	34.33	10.35	34.39	39.70	49.99	74.00	24.01	Peak
5150.000	34.40	10.36	34.38	36.73	47.11	74.00	26.89	Peak
@ 5175.600	34.47	10.38	34.37	75.28	85.76	---	---	Peak

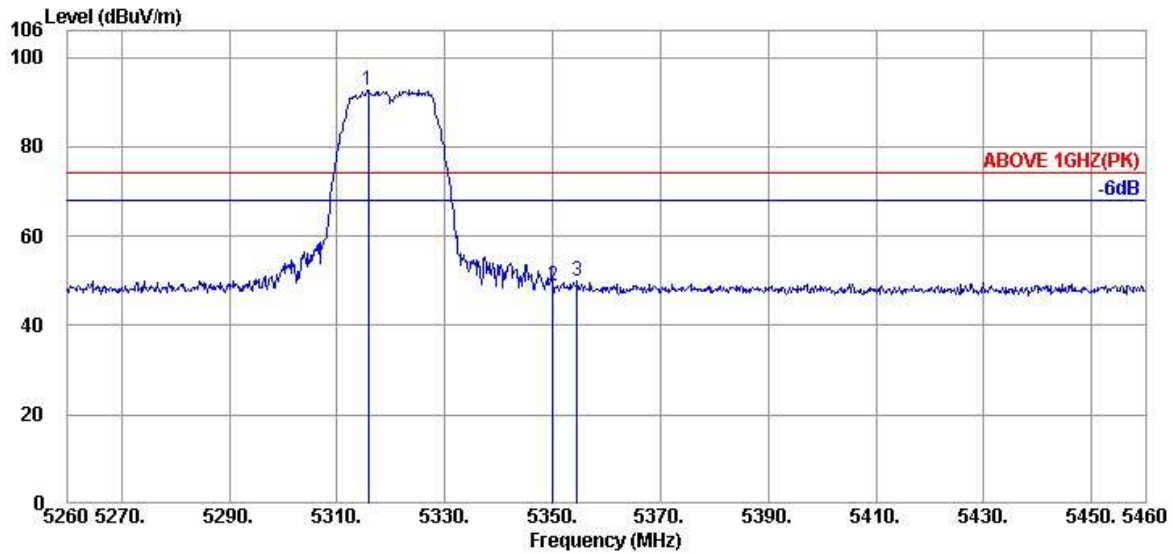


Antenna at Vertical Polarization

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
5130.300	34.37	10.35	34.39	26.49	36.82	54.00	17.18	Average
5150.000	34.40	10.36	34.38	26.30	36.68	54.00	17.32	Average
@ 5173.700	34.47	10.38	34.37	65.82	76.30	---	---	Average

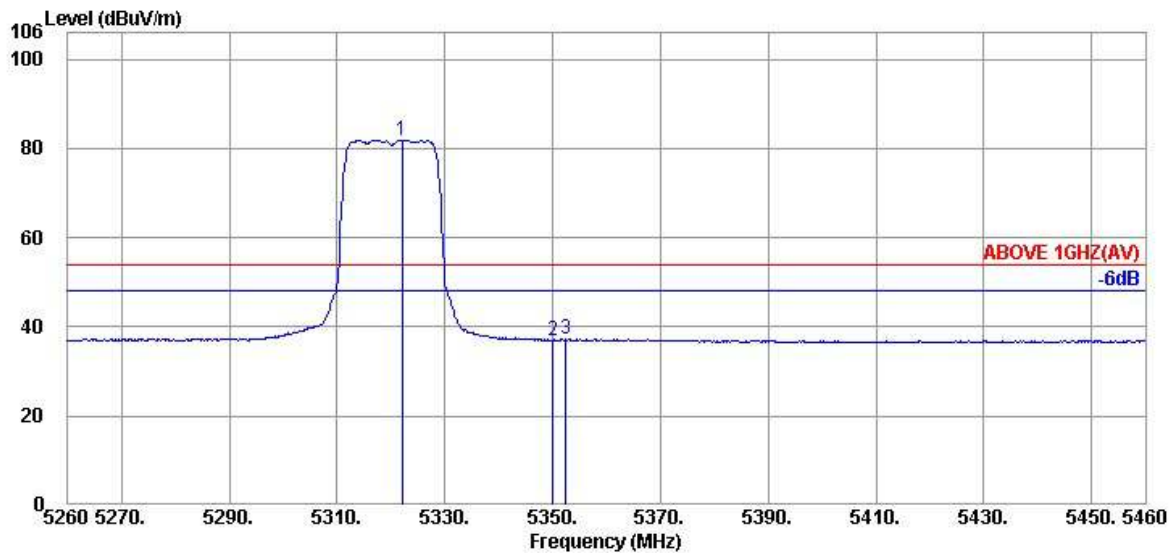
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	Frequency	TX 5320MHz
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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
@ 5315.800	34.60	10.46	34.33	81.81	92.54	---	---	Peak
5350.000	34.60	10.48	34.31	37.93	48.70	74.00	25.30	Peak
5354.600	34.60	10.48	34.31	39.14	49.91	74.00	24.09	Peak

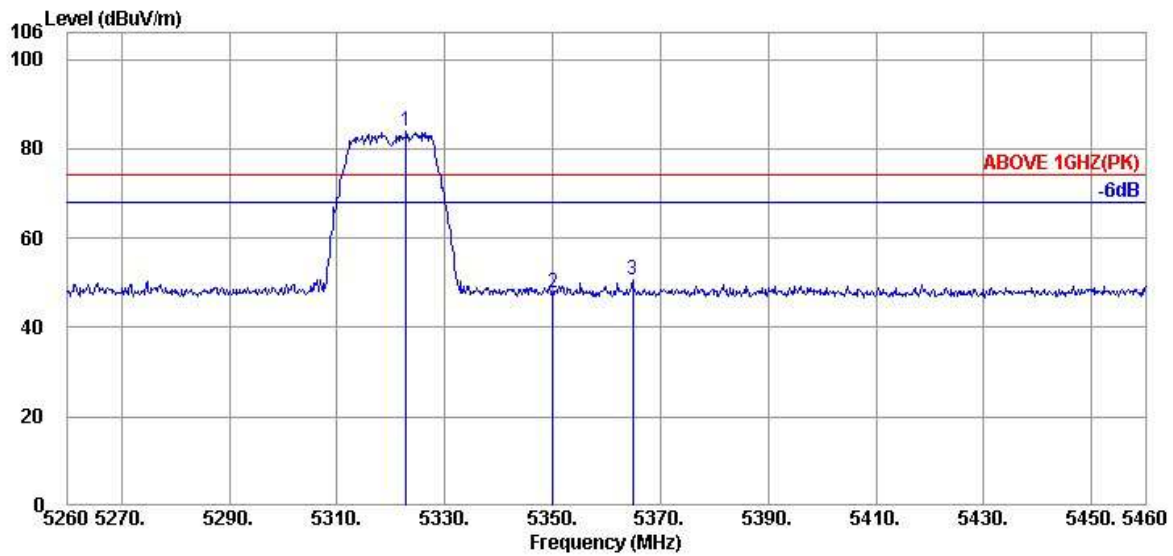


Antenna at Horizontal Polarization

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
@ 5322.000	34.60	10.46	34.33	71.10	81.83	---	---	Average
5350.000	34.60	10.48	34.31	26.29	37.06	54.00	16.94	Average
5352.400	34.60	10.48	34.31	26.50	37.27	54.00	16.73	Average

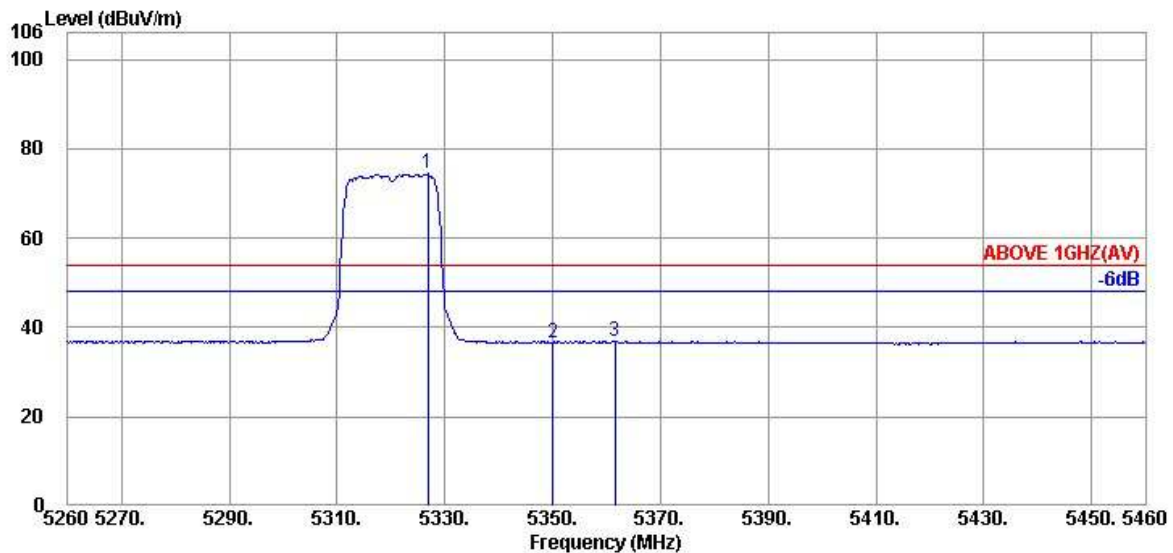
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	Frequency	TX 5320MHz
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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
@ 5322.800	34.60	10.46	34.33	73.10	83.83	---	---	Peak
5350.000	34.60	10.48	34.31	36.99	47.76	74.00	26.24	Peak
5364.800	34.60	10.49	34.31	40.02	50.80	74.00	23.20	Peak

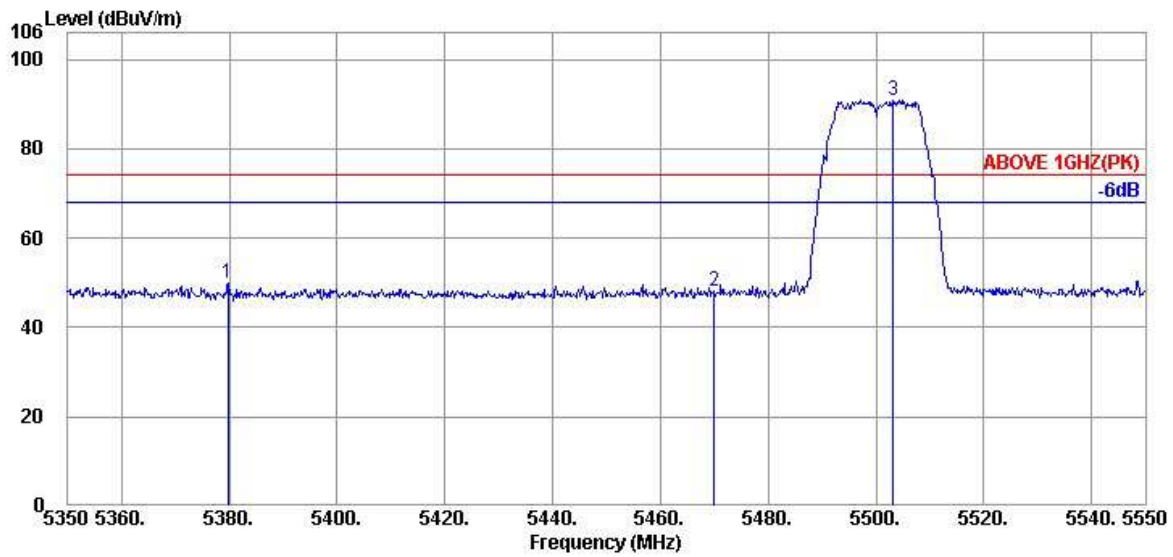


Antenna at Vertical Polarization

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
@ 5326.800	34.60	10.47	34.33	63.70	74.44	---	---	Average
5350.000	34.60	10.48	34.31	25.87	36.64	54.00	17.36	Average
5361.600	34.60	10.49	34.31	26.27	37.05	54.00	16.95	Average

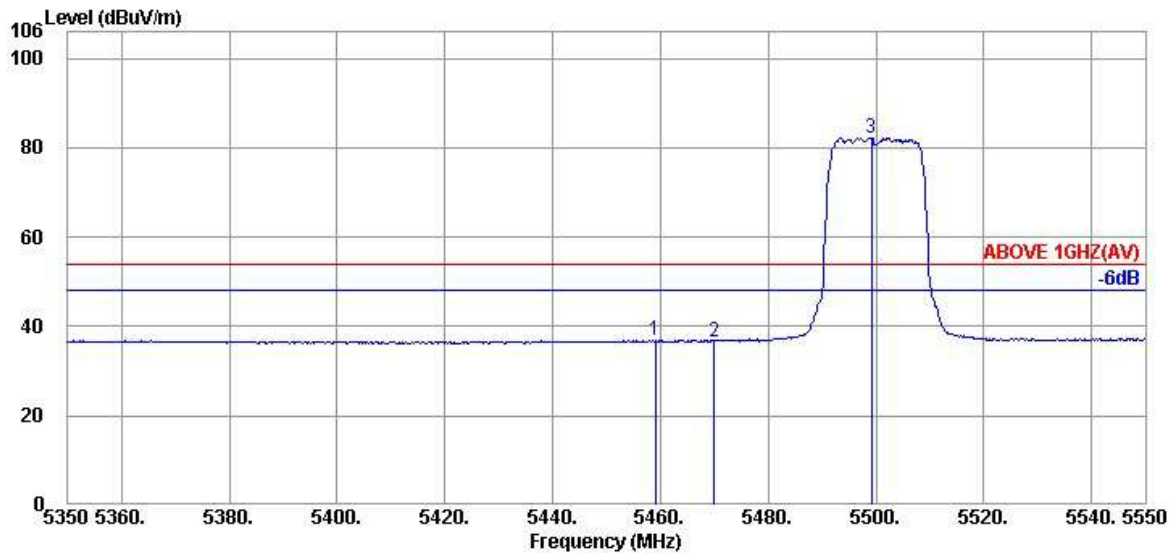
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	Frequency	TX 5500MHz
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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
5379.800	34.60	10.49	34.31	39.15	49.93	74.00	24.07	Peak
5470.000	34.67	10.54	34.28	37.35	48.28	74.00	25.72	Peak
@ 5503.200	34.60	10.56	34.27	80.03	90.92	---	---	Peak

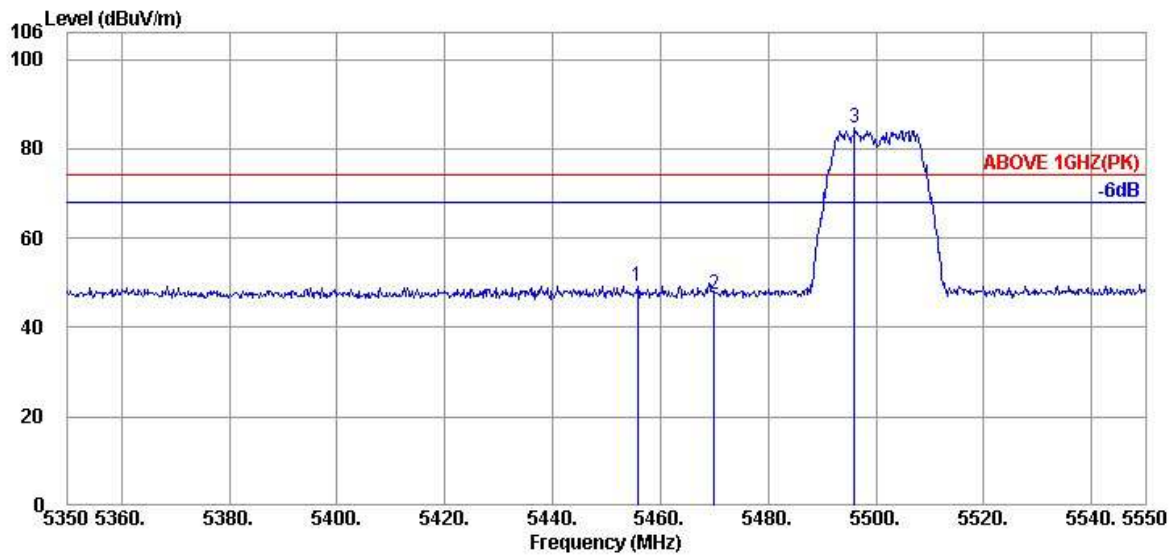


Antenna at Horizontal Polarization

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
5459.000	34.70	10.53	34.28	25.98	36.93	54.00	17.07	Average
5470.000	34.67	10.54	34.28	25.73	36.66	54.00	17.34	Average
@ 5499.200	34.60	10.56	34.27	71.39	82.28	---	---	Average

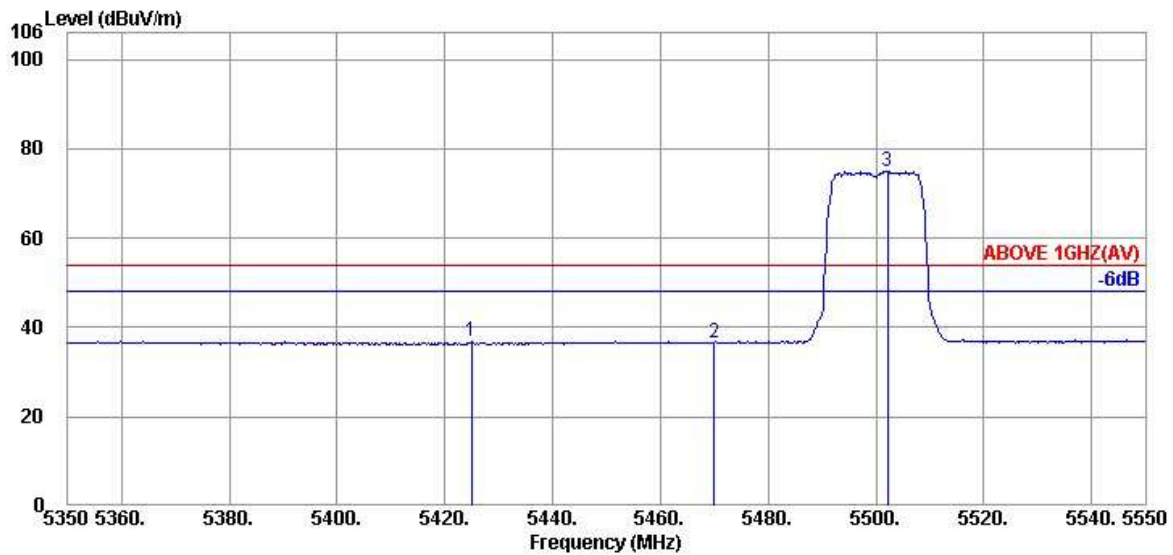
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	Frequency	TX 5500MHz
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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
5455.800	34.70	10.53	34.28	38.43	49.38	74.00	24.62	Peak
5470.000	34.67	10.54	34.28	36.49	47.42	74.00	26.58	Peak
@ 5496.000	34.60	10.55	34.27	73.65	84.53	---	---	Peak

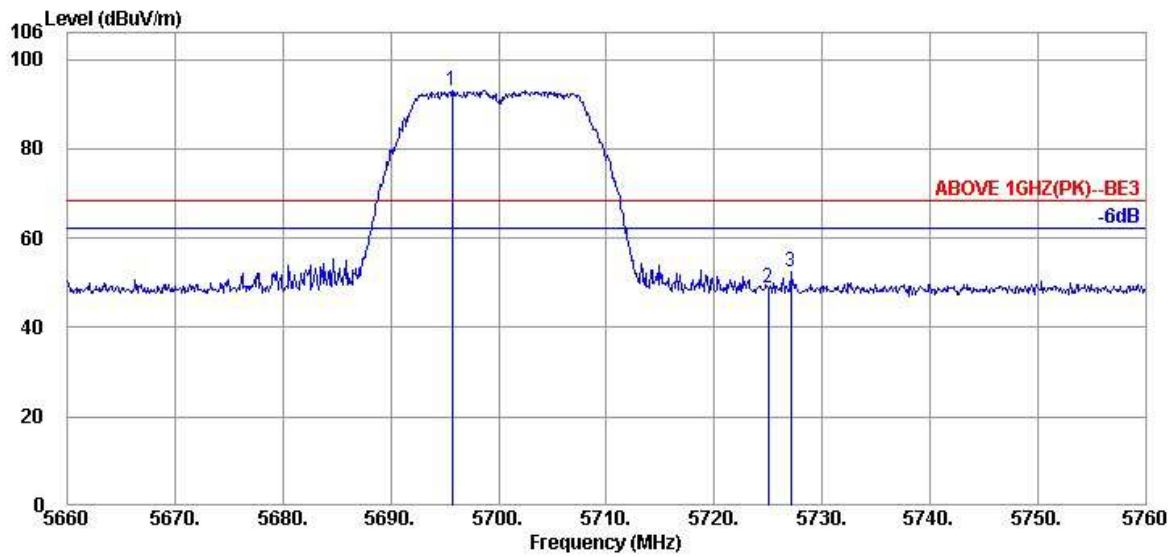


Antenna at Vertical Polarization

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
5425.000	34.65	10.51	34.29	25.97	36.84	54.00	17.16	Average
5470.000	34.67	10.54	34.28	25.71	36.64	54.00	17.36	Average
@ 5502.200	34.60	10.56	34.27	64.01	74.90	---	---	Average

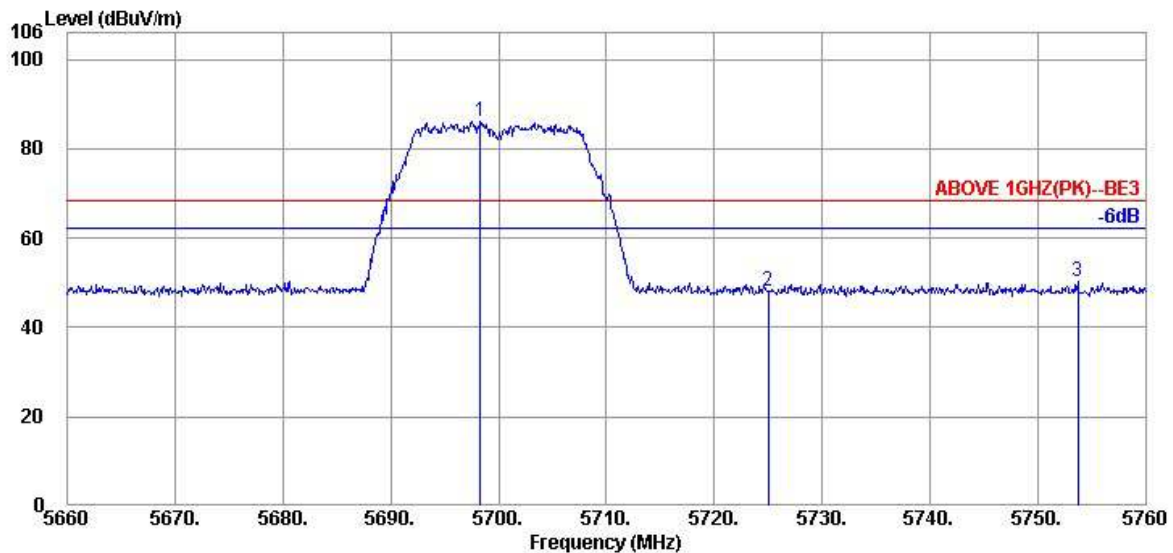
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11a	Frequency	TX 5700MHz
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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
@	5695.700	34.80	10.80	34.36	81.69	92.93	---	---	Peak
	5725.000	34.80	10.84	34.37	37.46	48.73	68.20	19.47	Peak
	5727.100	34.80	10.84	34.38	41.37	52.63	68.20	15.57	Peak

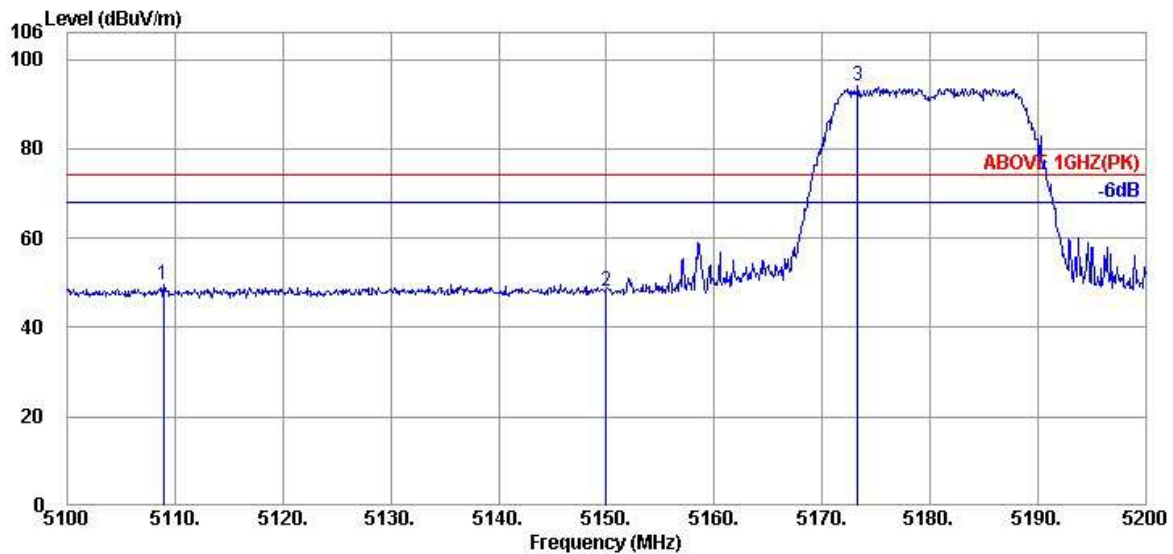


Antenna at Vertical Polarization

	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
@	5698.300	34.80	10.80	34.36	74.87	86.11	---	---	Peak
	5725.000	34.80	10.84	34.37	36.90	48.17	68.20	20.03	Peak
	5753.700	34.80	10.89	34.39	39.01	50.31	68.20	17.89	Peak

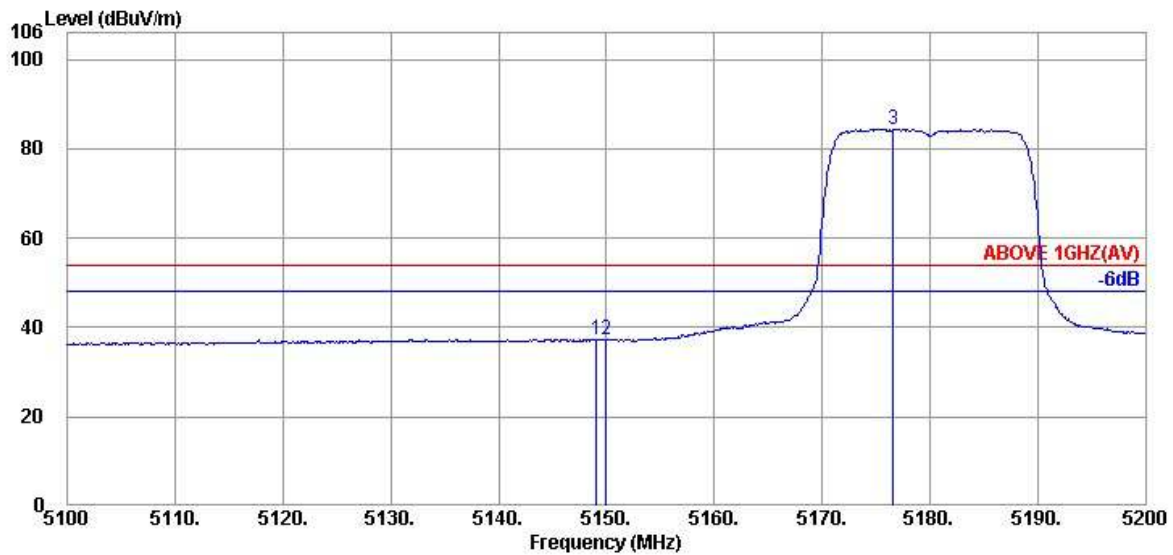
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 5180MHz
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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
5108.900	34.30	10.35	34.39	39.48	49.74	74.00	24.26	Peak
5150.000	34.40	10.36	34.38	37.82	48.20	74.00	25.80	Peak
@ 5173.300	34.47	10.37	34.37	83.70	94.17	---	---	Peak

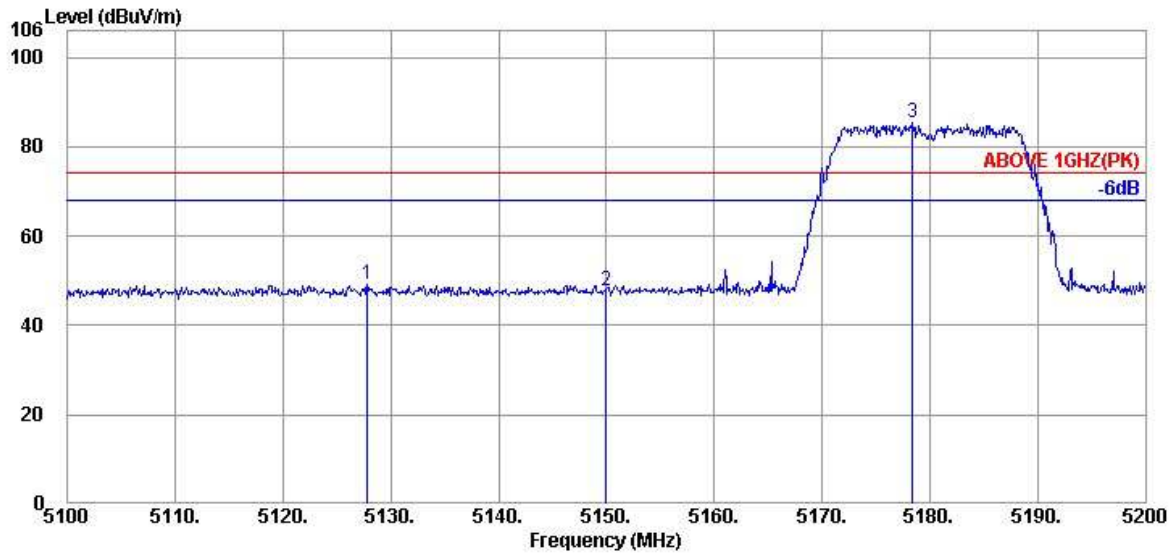


Antenna at Horizontal Polarization

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
5149.100	34.40	10.36	34.38	26.96	37.34	54.00	16.66	Average
5150.000	34.40	10.36	34.38	26.76	37.14	54.00	16.86	Average
@ 5176.600	34.47	10.38	34.37	73.90	84.38	---	---	Average

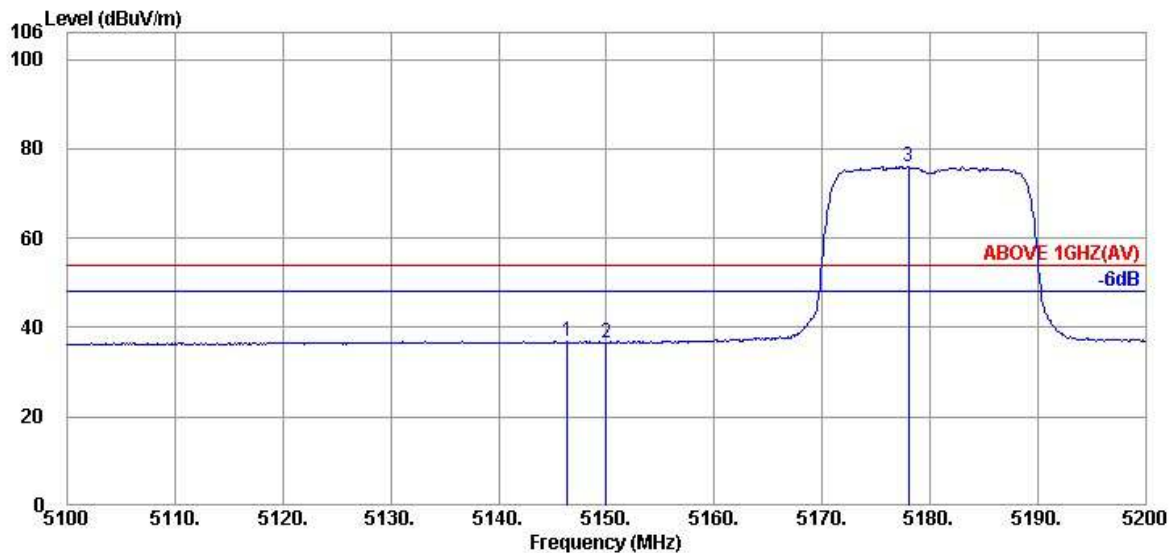
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 5180MHz
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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
5127.800	34.37	10.35	34.39	38.89	49.22	74.00	24.78	Peak
5150.000	34.40	10.36	34.38	37.53	47.91	74.00	26.09	Peak
@ 5178.400	34.47	10.38	34.37	74.88	85.36	---	---	Peak

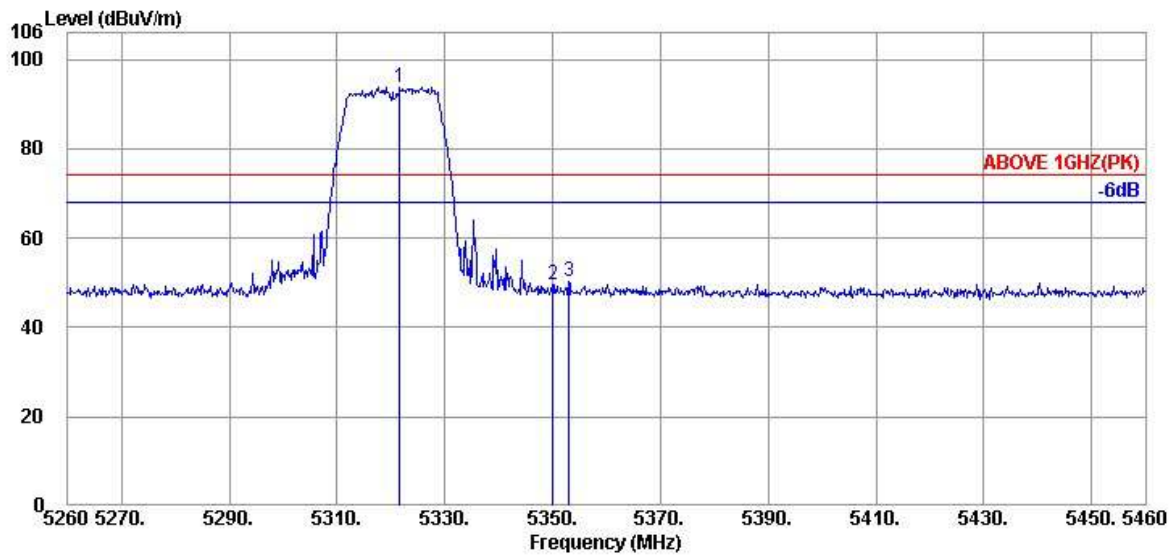


Antenna at Vertical Polarization

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
5146.400	34.40	10.36	34.38	26.59	36.97	54.00	17.03	Average
5150.000	34.40	10.36	34.38	26.22	36.60	54.00	17.40	Average
@ 5178.000	34.47	10.38	34.37	65.44	75.92	---	---	Average

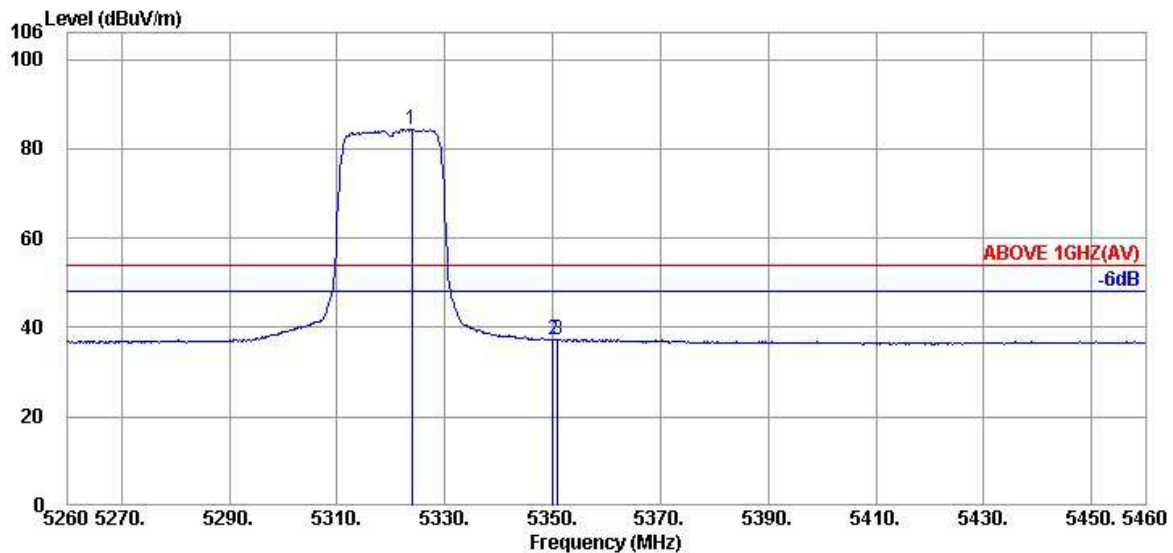
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 5320MHz
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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
@ 5321.600	34.60	10.46	34.33	83.12	93.85	---	---	Peak
5350.000	34.60	10.48	34.31	38.84	49.61	74.00	24.39	Peak
5353.000	34.60	10.48	34.31	39.63	50.40	74.00	23.60	Peak

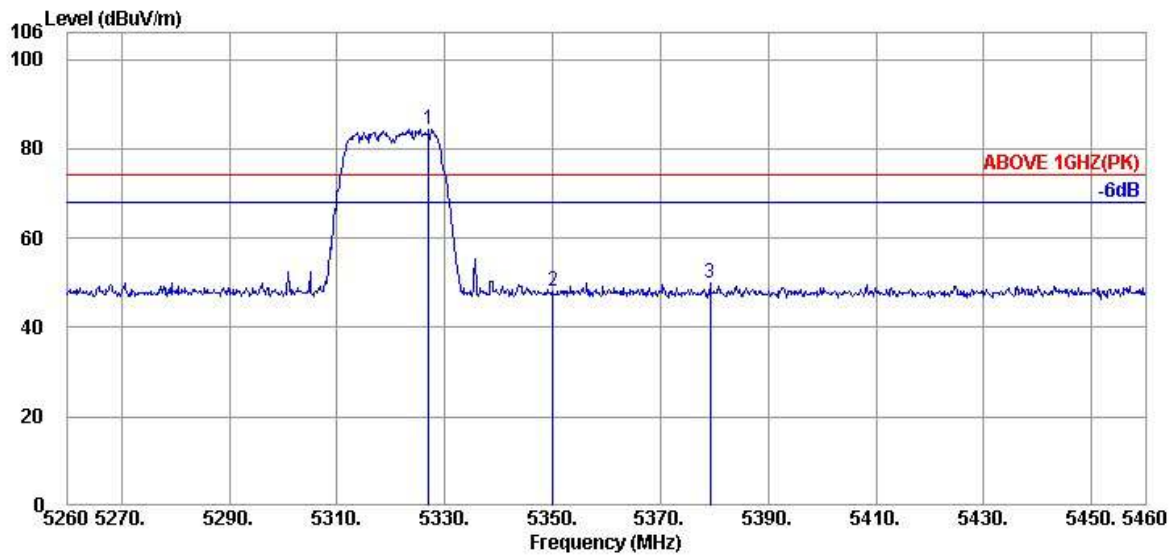


Antenna at Horizontal Polarization

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
@ 5323.800	34.60	10.46	34.33	73.61	84.34	---	---	Average
5350.000	34.60	10.48	34.31	26.42	37.19	54.00	16.81	Average
5351.000	34.60	10.48	34.31	26.62	37.39	54.00	16.61	Average

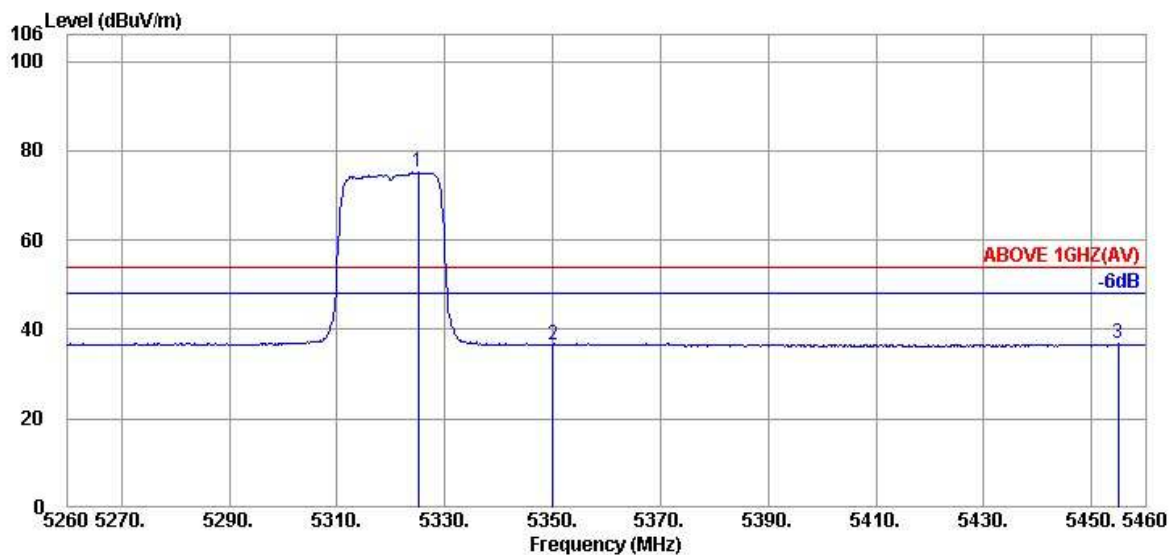
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 5320MHz
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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
@ 5327.000	34.60	10.47	34.33	73.58	84.32	---	---	Peak
5350.000	34.60	10.48	34.31	37.17	47.94	74.00	26.06	Peak
5379.200	34.60	10.49	34.31	39.20	49.98	74.00	24.02	Peak

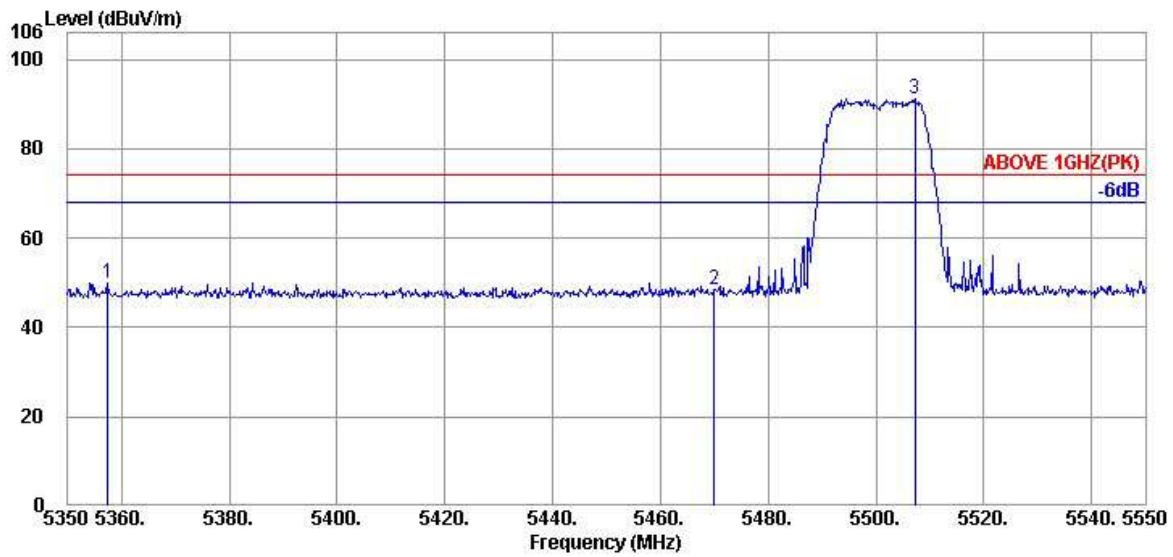


Antenna at Vertical Polarization

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
@ 5325.000	34.60	10.46	34.33	64.39	75.12	---	---	Average
5350.000	34.60	10.48	34.31	25.90	36.67	54.00	17.33	Average
5455.000	34.70	10.53	34.28	25.84	36.79	54.00	17.21	Average

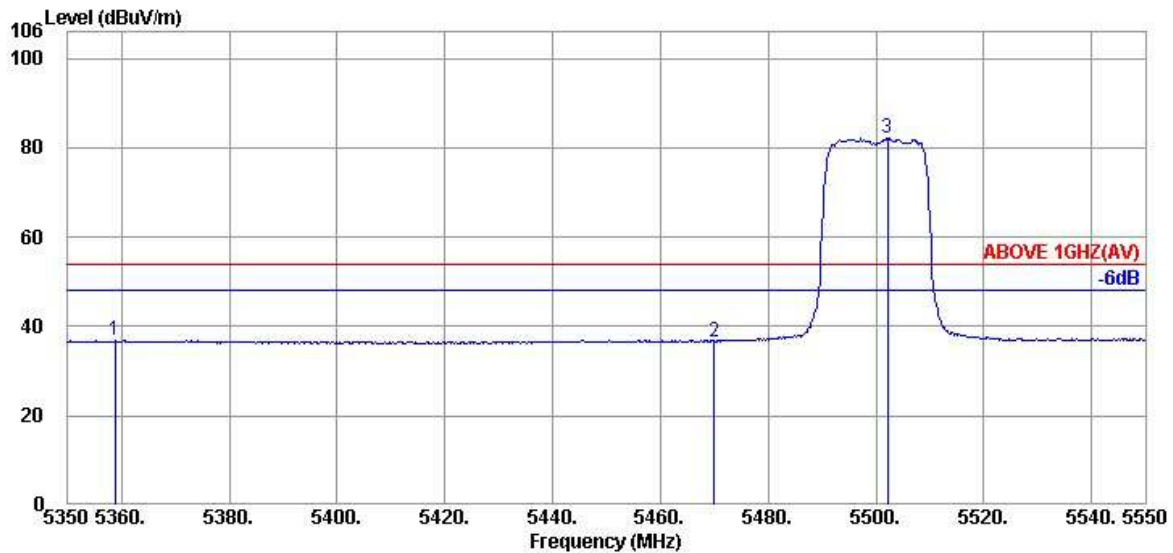
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 5500MHz
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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
5357.400	34.60	10.48	34.31	39.30	50.07	74.00	23.93	Peak
5470.000	34.67	10.54	34.28	37.46	48.39	74.00	25.61	Peak
@ 5507.200	34.60	10.56	34.28	80.31	91.19	---	---	Peak

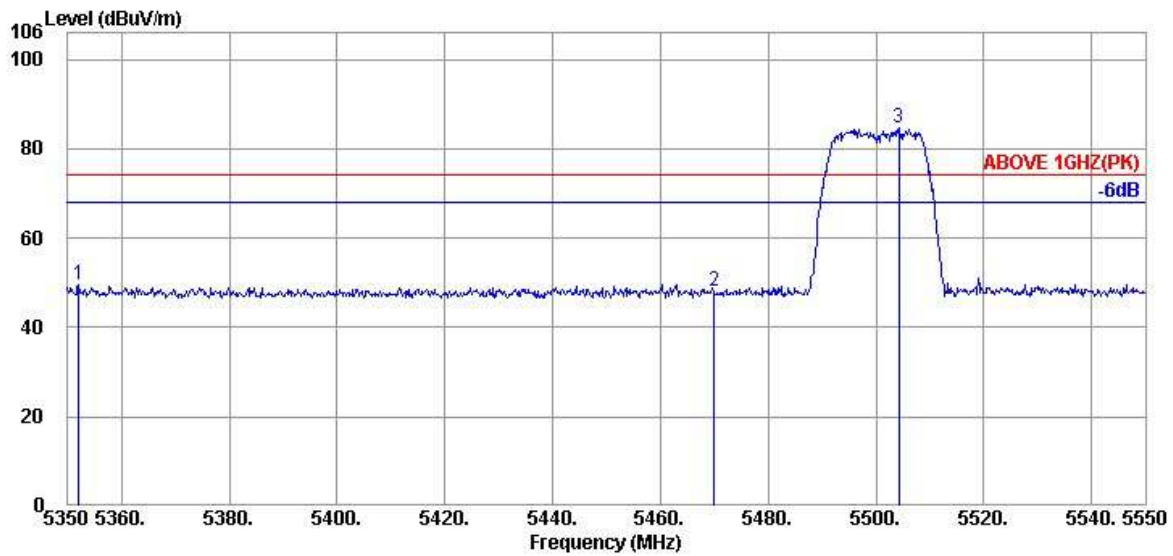


Antenna at Horizontal Polarization

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
5358.800	34.60	10.48	34.31	26.07	36.84	54.00	17.16	Average
5470.000	34.67	10.54	34.28	25.73	36.66	54.00	17.34	Average
@ 5502.200	34.60	10.56	34.27	71.24	82.13	---	---	Average

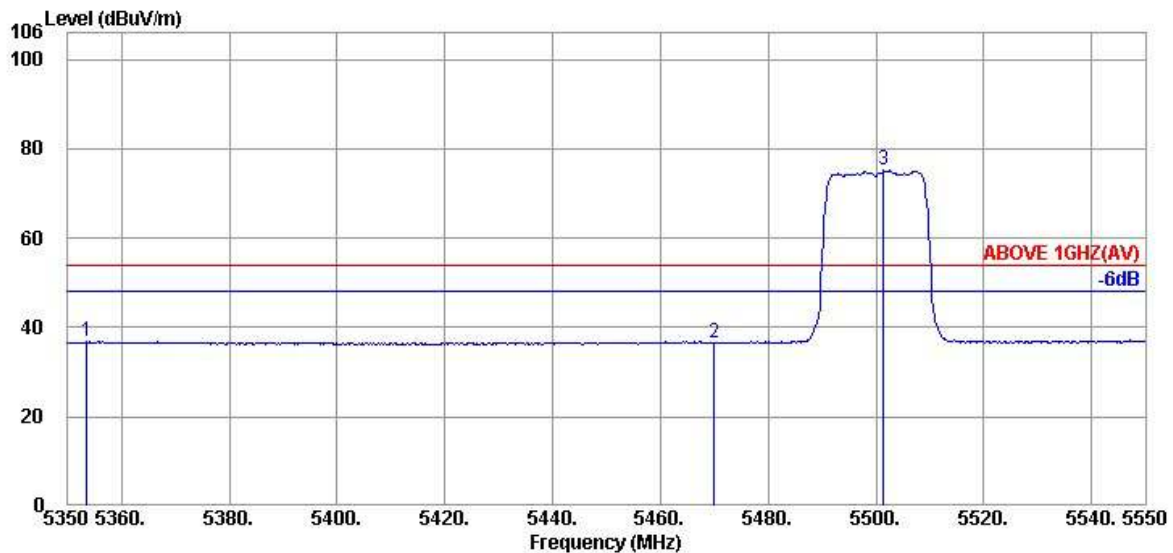
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 5500MHz
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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
5352.000	34.60	10.48	34.31	38.63	49.40	74.00	24.60	Peak
5470.000	34.67	10.54	34.28	37.10	48.03	74.00	25.97	Peak
@ 5504.200	34.60	10.56	34.27	73.65	84.54	---	---	Peak

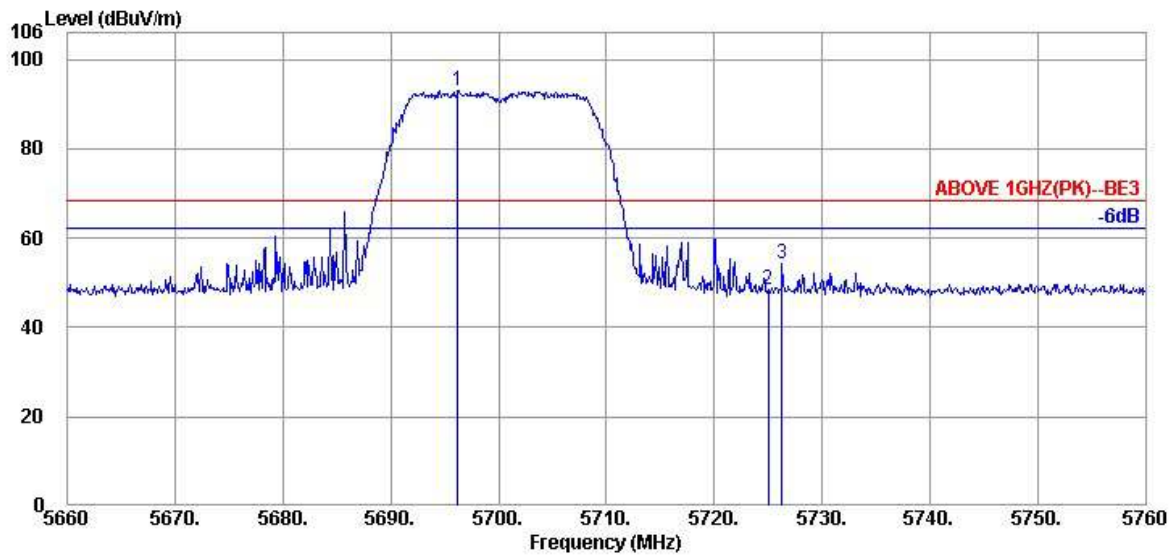


Antenna at Vertical Polarization

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
5353.600	34.60	10.48	34.31	26.10	36.87	54.00	17.13	Average
5470.000	34.67	10.54	34.28	25.56	36.49	54.00	17.51	Average
@ 5501.400	34.60	10.56	34.27	64.29	75.18	---	---	Average

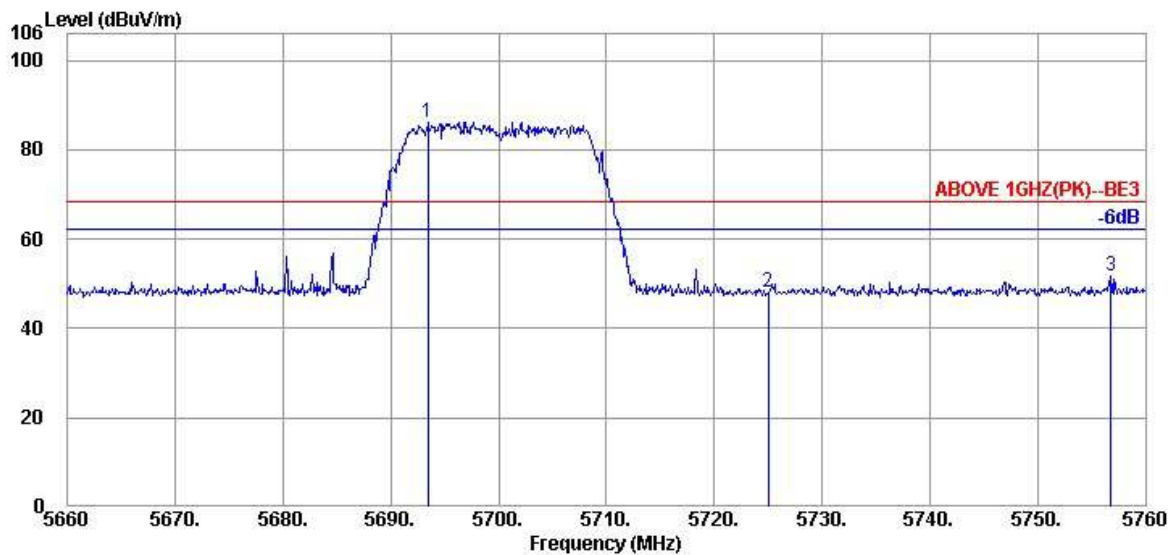
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 5700MHz
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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
@ 5696.200	34.80	10.80	34.36	81.59	92.83	---	---	Peak
5725.000	34.80	10.84	34.37	37.08	48.35	68.20	19.85	Peak
5726.300	34.80	10.84	34.37	43.01	54.28	68.20	13.92	Peak

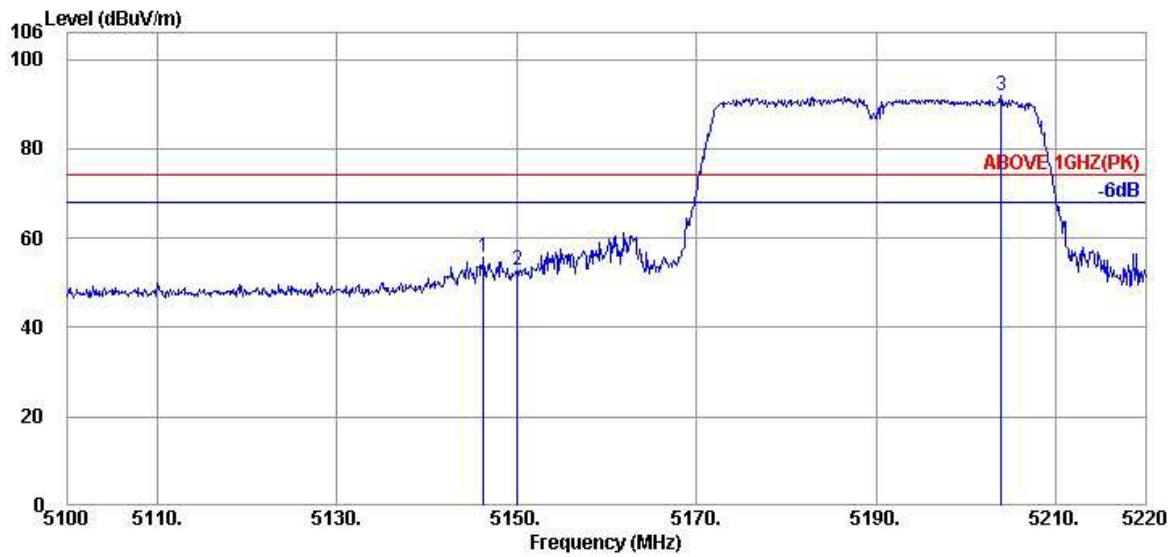


Antenna at Vertical Polarization

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
@ 5693.400	34.80	10.80	34.36	75.04	86.28	---	---	Peak
5725.000	34.80	10.84	34.37	36.93	48.20	68.20	20.00	Peak
5756.800	34.90	10.89	34.39	40.29	51.69	68.20	16.51	Peak

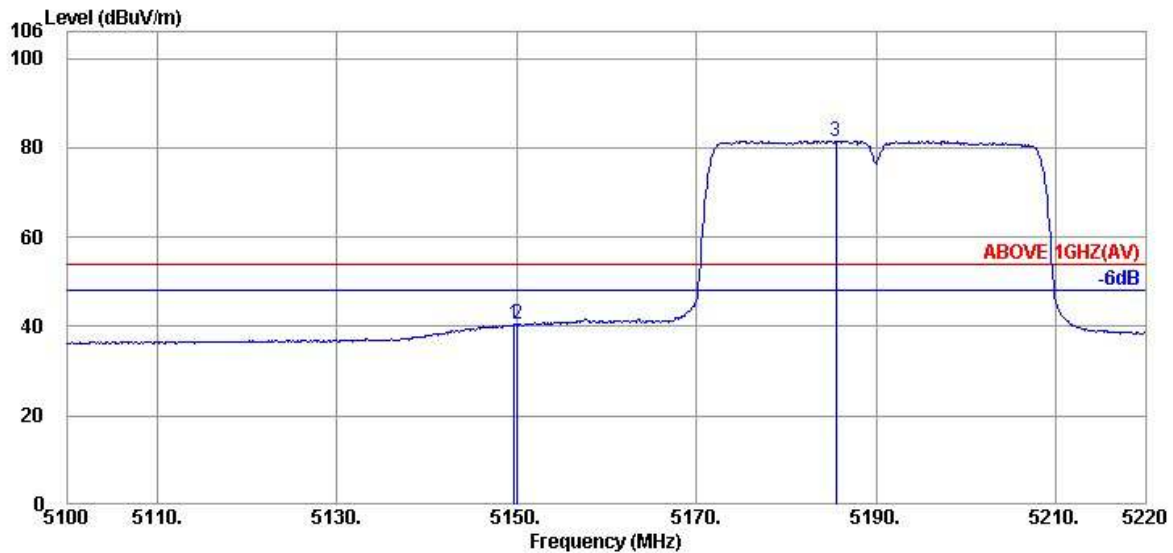
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	Frequency	TX 5190MHz
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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
5146.320	34.40	10.36	34.38	45.32	55.70	74.00	18.30	Peak
5150.040	34.40	10.36	34.38	42.27	52.65	74.00	21.35	Peak
@ 5203.920	34.50	10.39	34.36	81.27	91.80	---	---	Peak

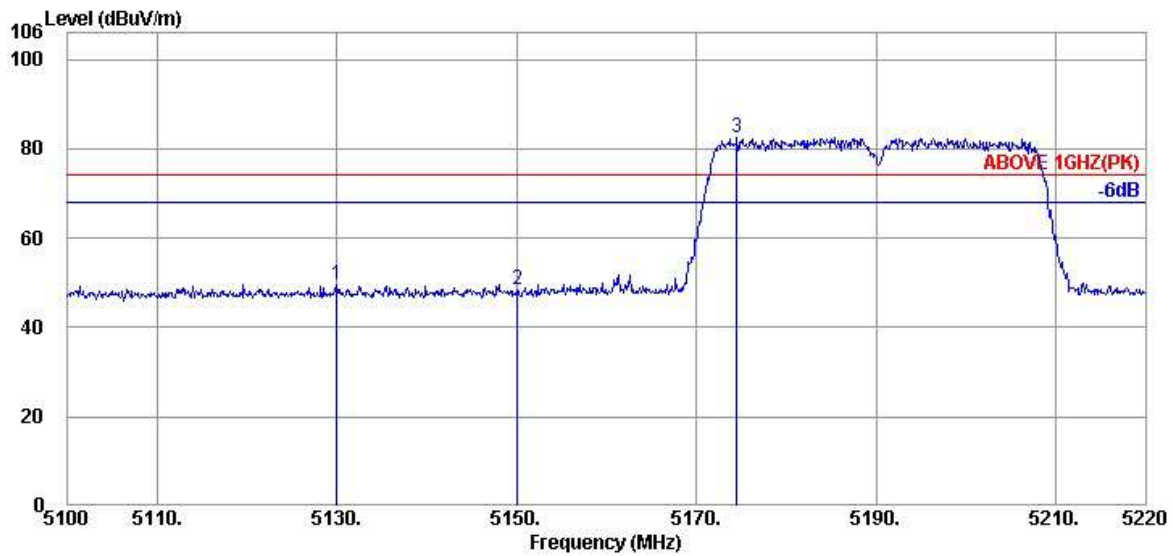


Antenna at Horizontal Polarization

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
5149.680	34.40	10.36	34.38	29.97	40.35	54.00	13.65	Average
5150.040	34.40	10.36	34.38	29.97	40.35	54.00	13.65	Average
@ 5185.560	34.47	10.38	34.37	71.09	81.57	---	---	Average

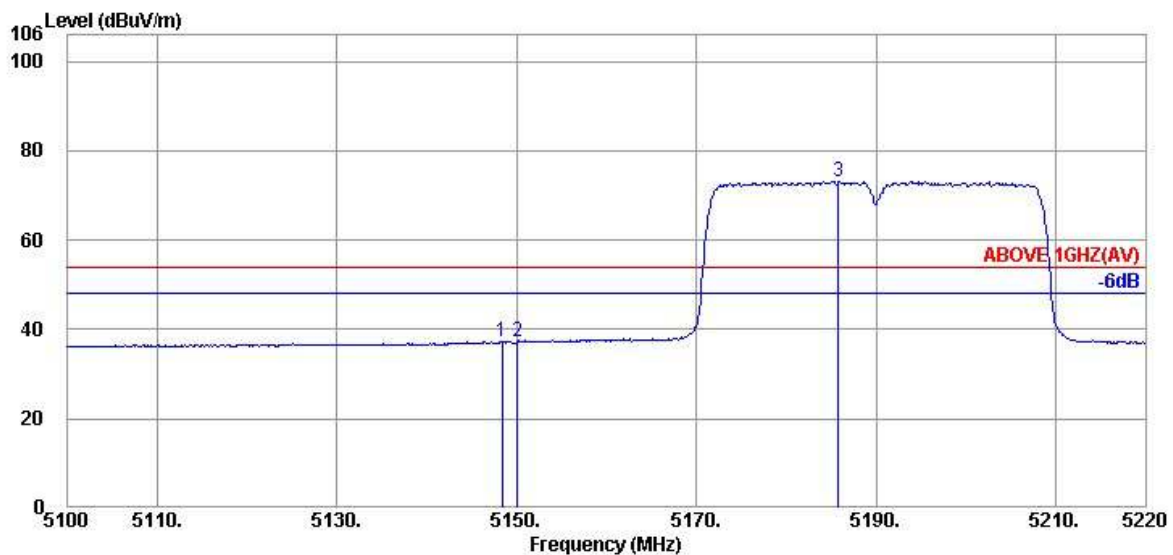
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	Frequency	TX 5190MHz
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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
5130.000	34.37	10.35	34.39	39.28	49.61	74.00	24.39	Peak
5150.040	34.40	10.36	34.38	38.22	48.60	74.00	25.40	Peak
@ 5174.520	34.47	10.38	34.37	71.89	82.37	---	---	Peak

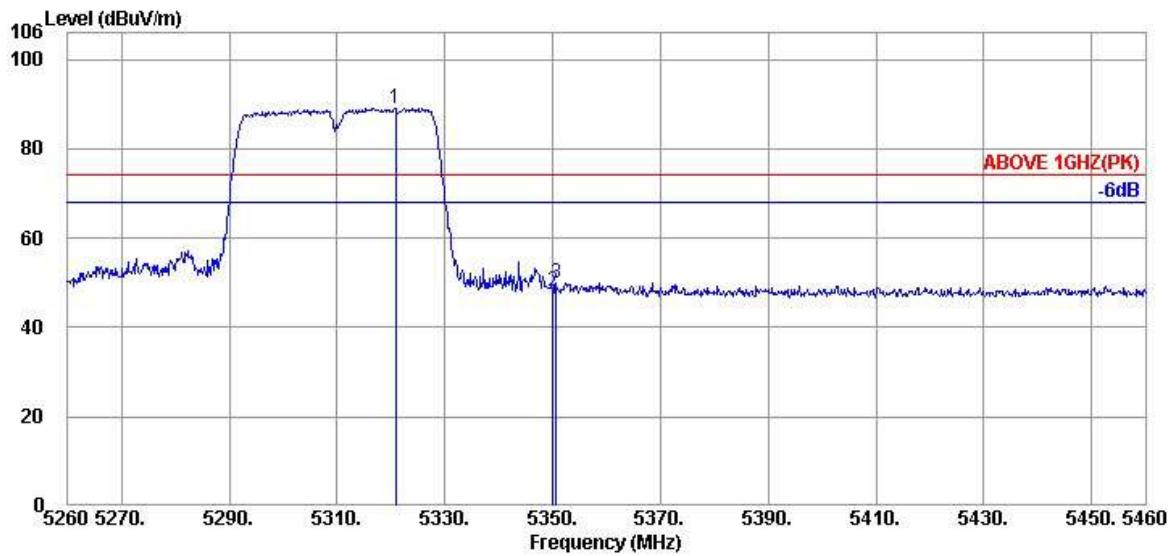


Antenna at Vertical Polarization

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
5148.360	34.40	10.36	34.38	26.94	37.32	54.00	16.68	Average
5150.040	34.40	10.36	34.38	26.91	37.29	54.00	16.71	Average
@ 5185.800	34.47	10.38	34.37	62.58	73.06	---	---	Average

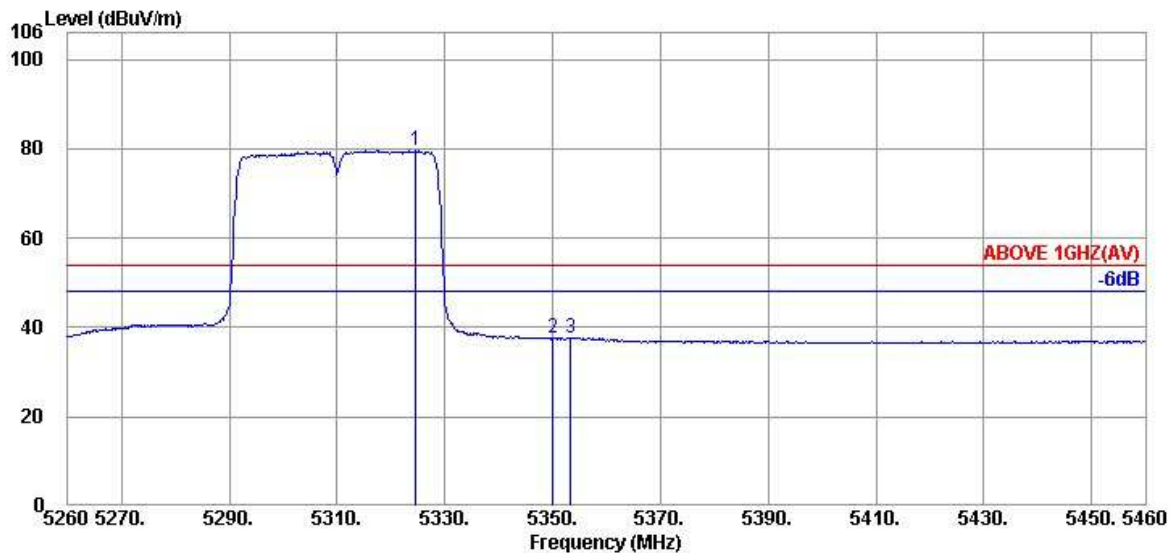
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	Frequency	TX 5310MHz
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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
@ 5320.800	34.60	10.46	34.33	78.44	89.17	---	---	Peak
5350.000	34.60	10.48	34.31	37.40	48.17	74.00	25.83	Peak
5350.600	34.60	10.48	34.31	39.20	49.97	74.00	24.03	Peak

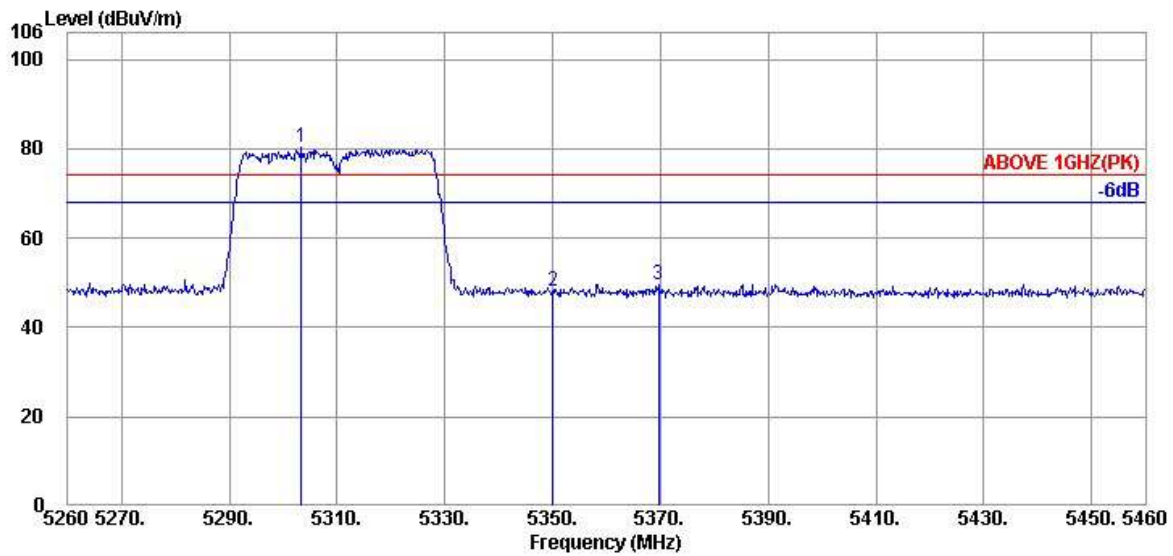


Antenna at Horizontal Polarization

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
@ 5324.600	34.60	10.46	34.33	69.00	79.73	---	---	Average
5350.000	34.60	10.48	34.31	27.01	37.78	54.00	16.22	Average
5353.400	34.60	10.48	34.31	27.00	37.77	54.00	16.23	Average

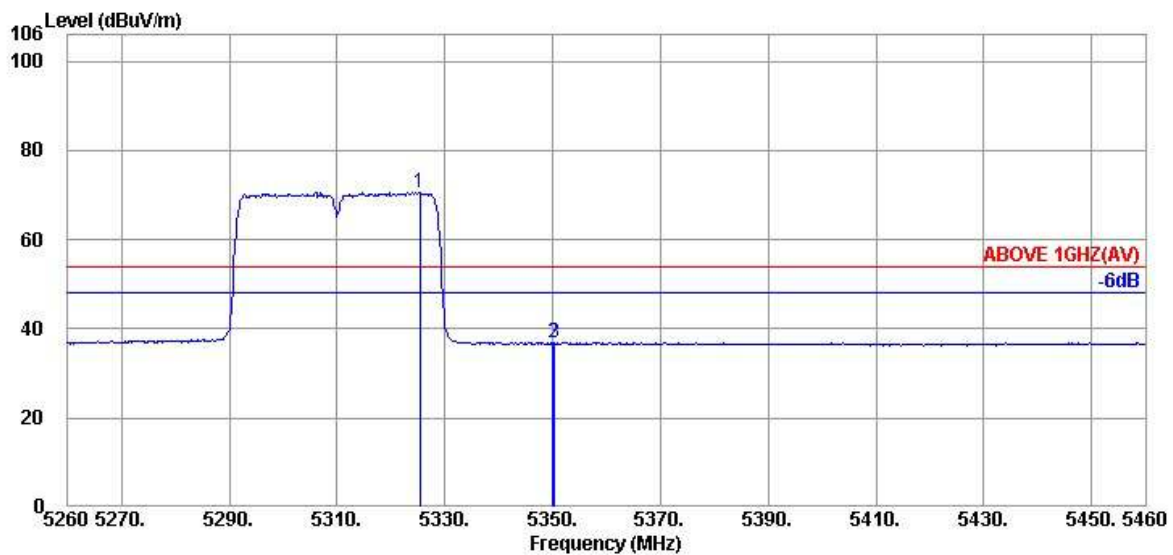
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	Frequency	TX 5310MHz
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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
@ 5303.400	34.60	10.45	34.33	69.59	80.31	---	---	Peak
5350.000	34.60	10.48	34.31	37.38	48.15	74.00	25.85	Peak
5369.600	34.60	10.49	34.31	38.92	49.70	74.00	24.30	Peak

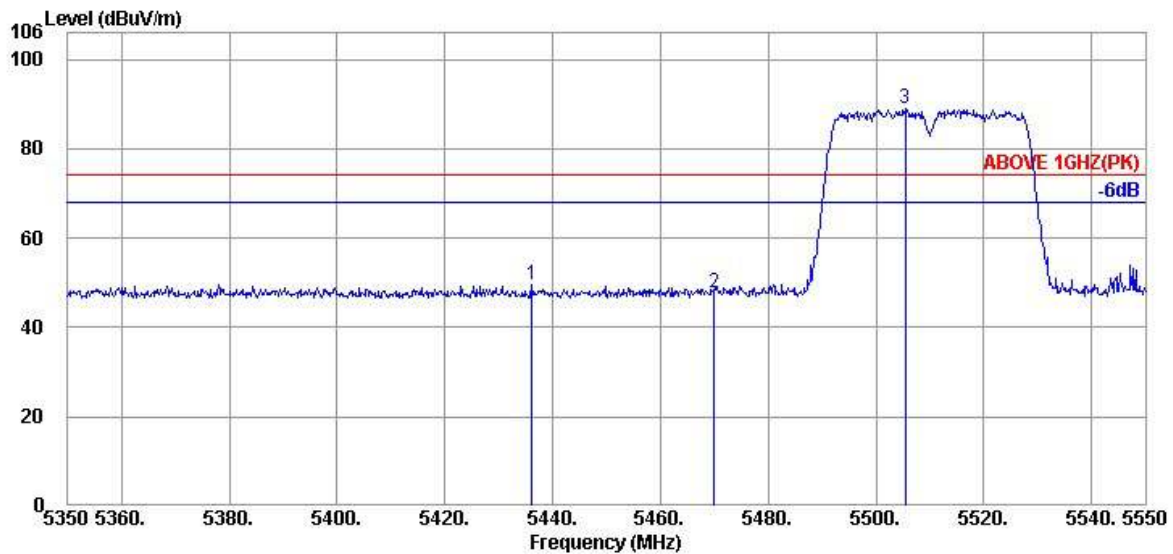


Antenna at Vertical Polarization

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
@ 5325.400	34.60	10.46	34.33	59.97	70.70	---	---	Average
5350.000	34.60	10.48	34.31	25.96	36.73	54.00	17.27	Average
5350.400	34.60	10.48	34.31	26.12	36.89	54.00	17.11	Average

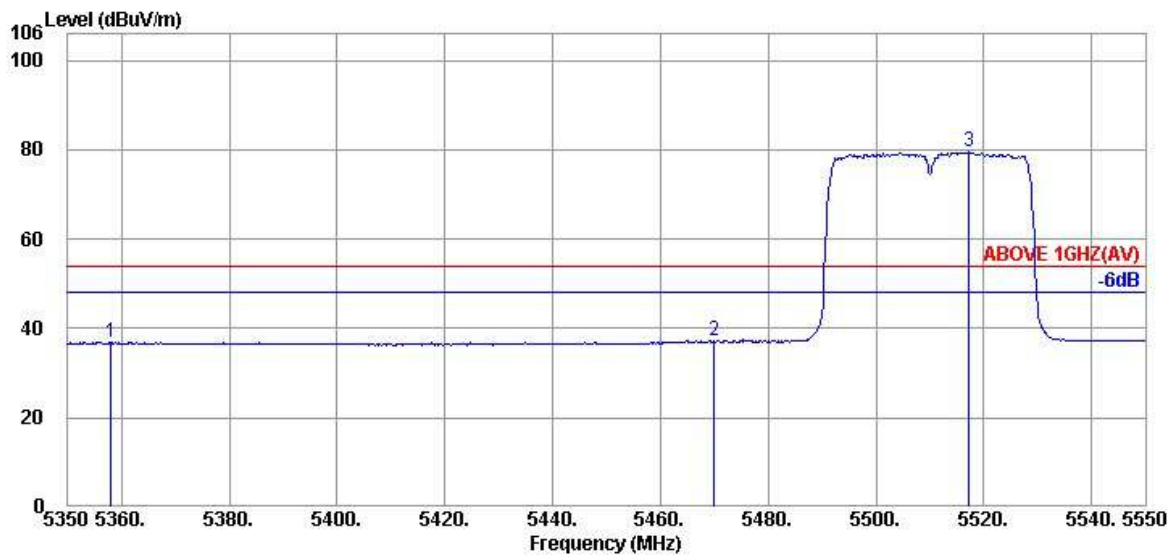
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	Frequency	TX 5510MHz
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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
5436.200	34.67	10.52	34.29	38.52	49.42	74.00	24.58	Peak
5470.000	34.67	10.54	34.28	36.77	47.70	74.00	26.30	Peak
@ 5505.400	34.60	10.56	34.27	78.11	89.00	---	---	Peak

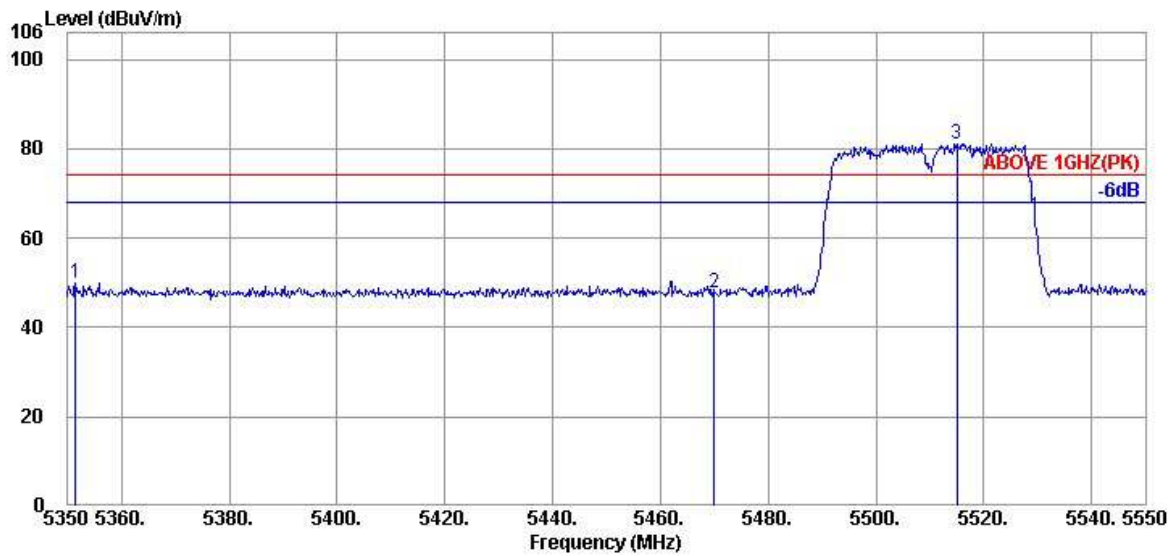


Antenna at Horizontal Polarization

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
5358.000	34.60	10.48	34.31	26.11	36.88	54.00	17.12	Average
5470.000	34.67	10.54	34.28	26.18	37.11	54.00	16.89	Average
@ 5517.200	34.60	10.58	34.28	68.57	79.47	---	---	Average

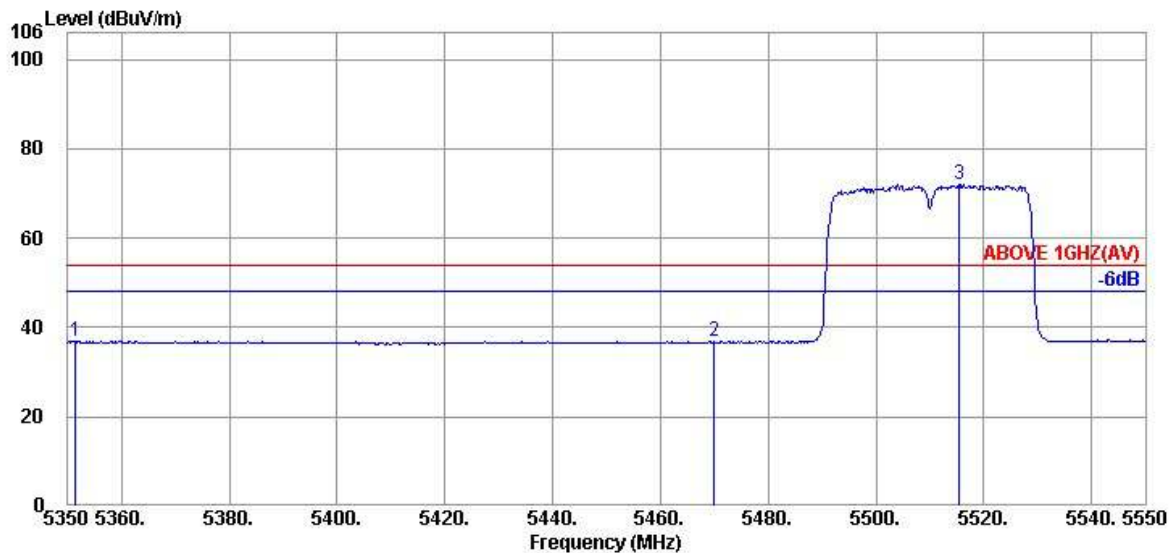
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	Frequency	TX 5510MHz
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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
5351.400	34.60	10.48	34.31	39.28	50.05	74.00	23.95	Peak
5470.000	34.67	10.54	34.28	36.72	47.65	74.00	26.35	Peak
@ 5515.000	34.60	10.58	34.28	70.22	81.12	---	---	Peak

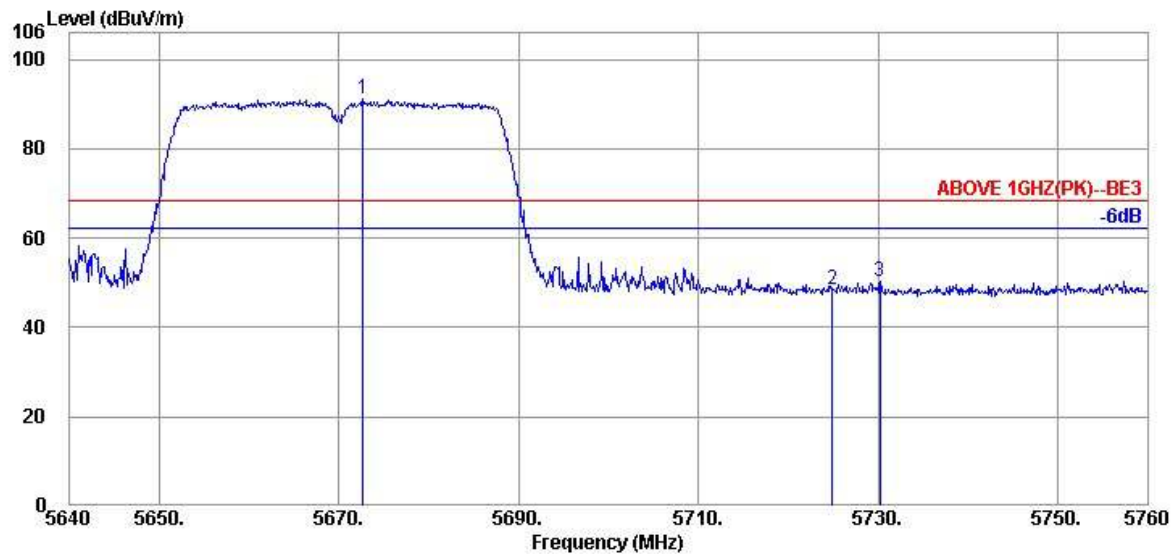


Antenna at Vertical Polarization

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
5351.400	34.60	10.48	34.31	26.20	36.97	54.00	17.03	Average
5470.000	34.67	10.54	34.28	25.95	36.88	54.00	17.12	Average
@ 5515.400	34.60	10.58	34.28	61.19	72.09	---	---	Average

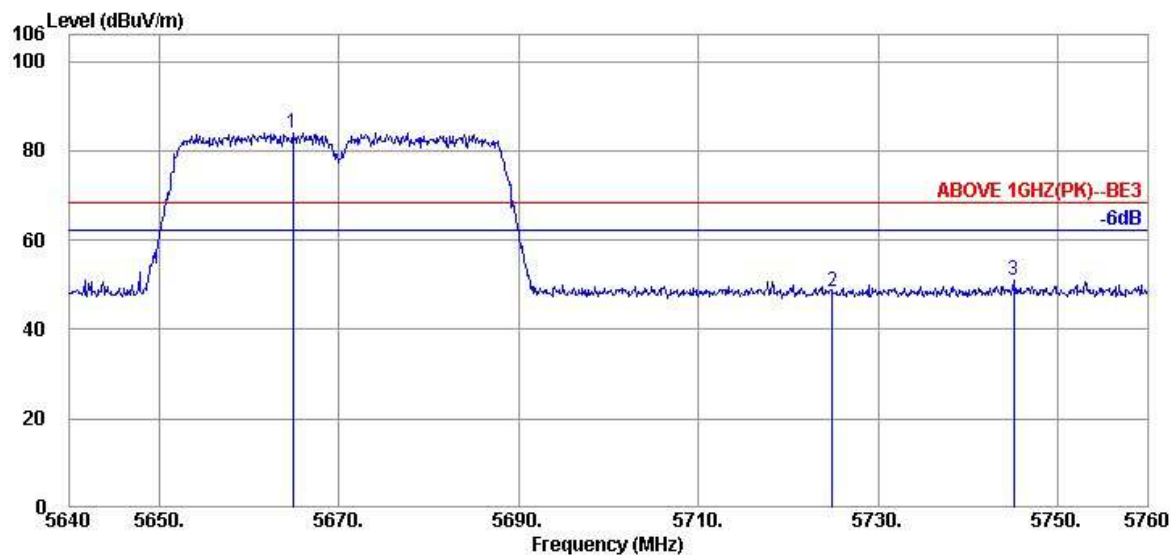
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT40	Frequency	TX 5670MHz
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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
@ 5672.640	34.67	10.78	34.36	79.92	91.01	---	---	Peak
5724.960	34.80	10.84	34.37	37.10	48.37	68.20	19.83	Peak
5730.240	34.80	10.84	34.38	38.93	50.19	68.20	18.01	Peak

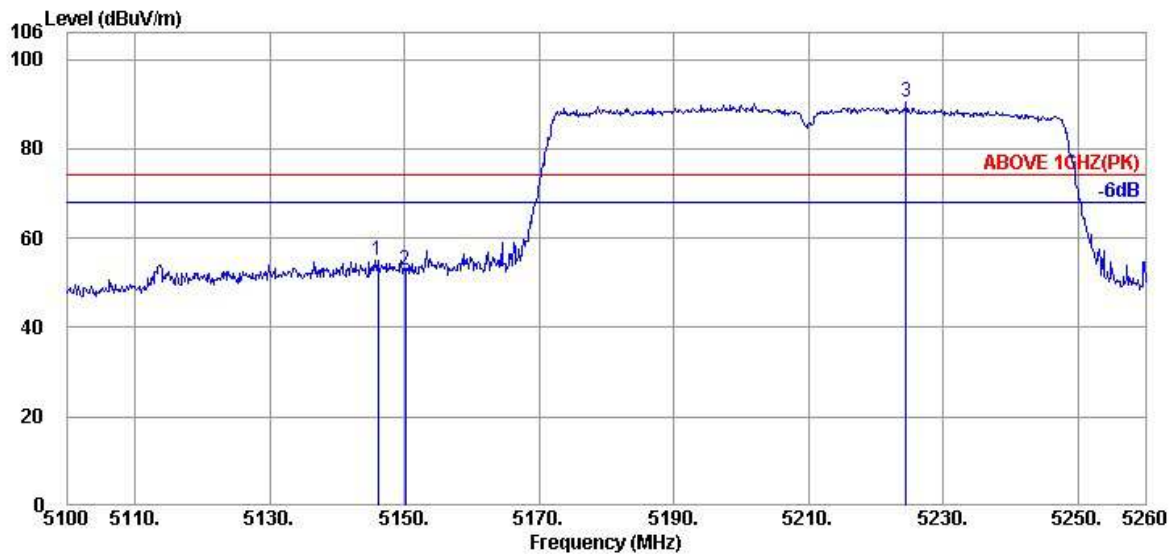


Antenna at Vertical Polarization

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
@ 5664.840	34.67	10.76	34.35	72.96	84.04	---	---	Peak
5724.960	34.80	10.84	34.37	37.27	48.54	68.20	19.66	Peak
5745.120	34.80	10.86	34.38	39.85	51.13	68.20	17.07	Peak

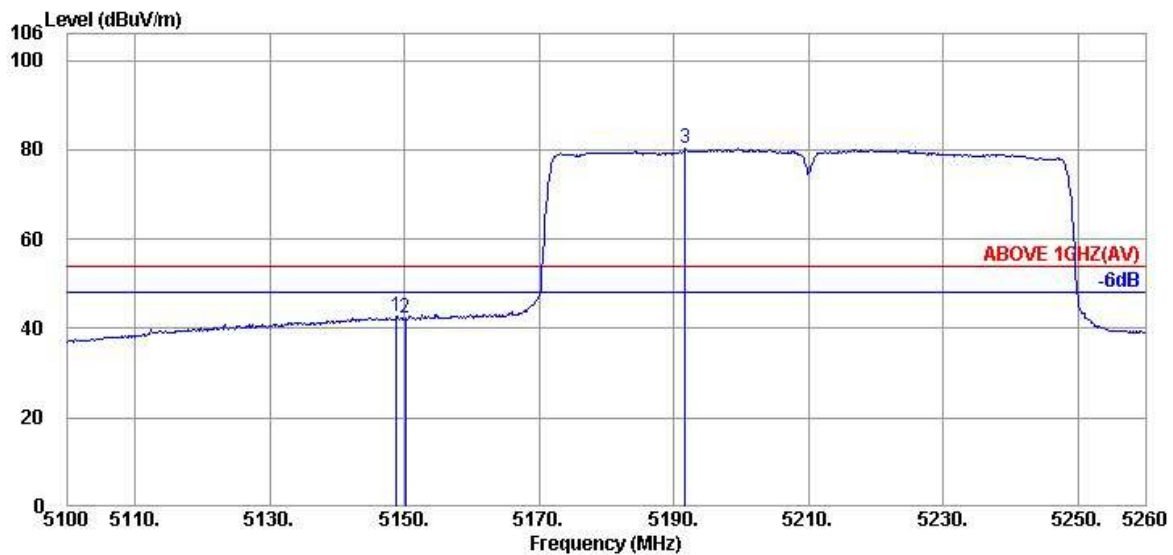
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11ac-VHT80	Frequency	TX 5210MHz
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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
5146.080	34.40	10.36	34.38	44.71	55.09	74.00	18.91	Peak
5150.080	34.40	10.36	34.38	42.54	52.92	74.00	21.08	Peak
@ 5224.480	34.50	10.40	34.35	80.06	90.61	---	---	Peak

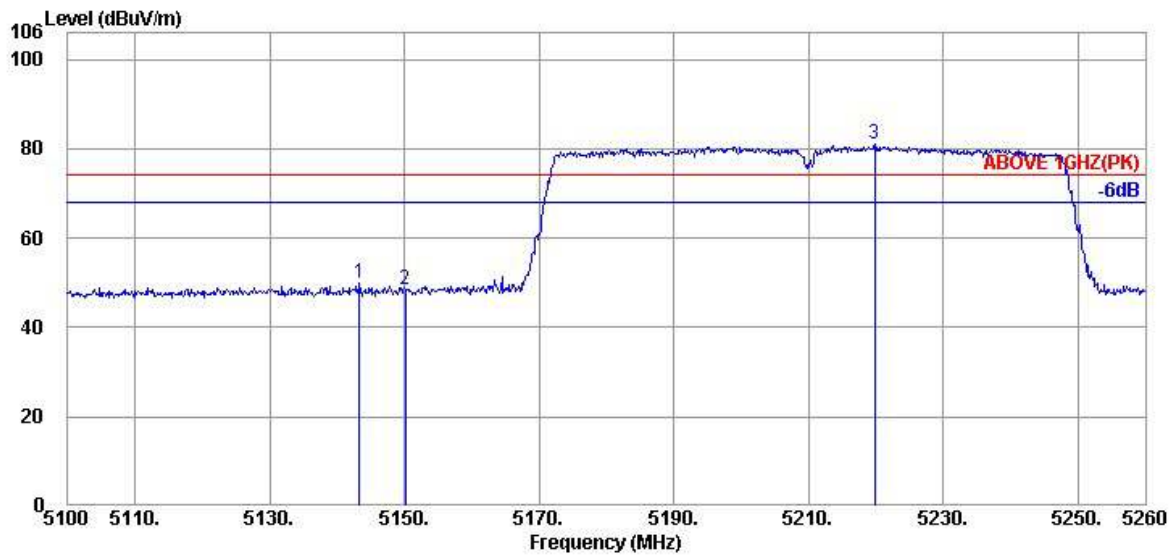


Antenna at Horizontal Polarization

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
5148.800	34.40	10.36	34.38	32.30	42.68	54.00	11.32	Average
5150.080	34.40	10.36	34.38	31.80	42.18	54.00	11.82	Average
@ 5191.680	34.50	10.39	34.36	69.77	80.30	---	---	Average

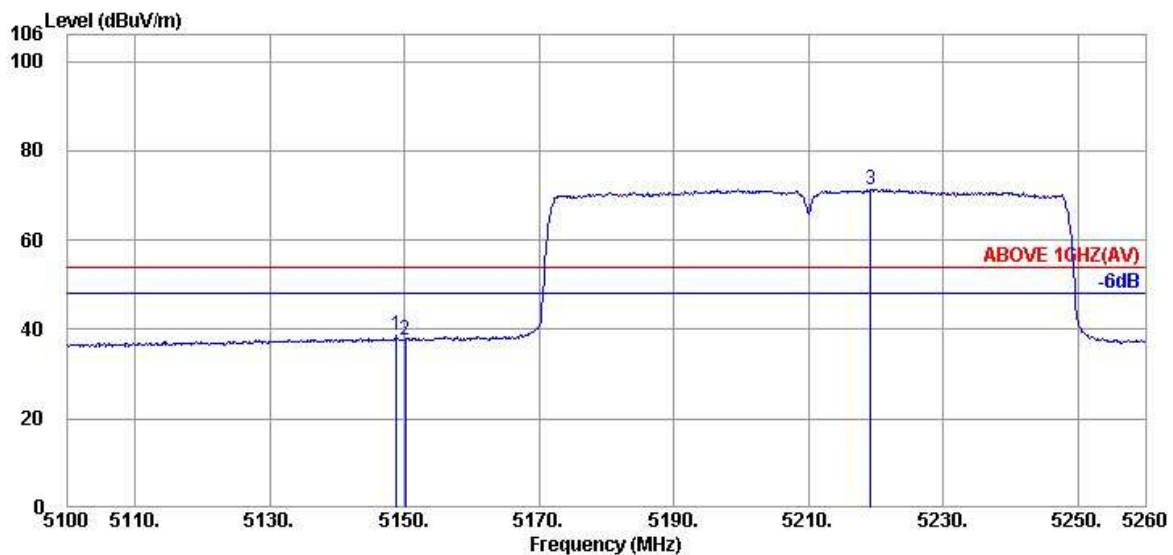
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11ac-VHT80	Frequency	TX 5210MHz
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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
5143.360	34.40	10.36	34.38	39.44	49.82	74.00	24.18	Peak
5150.080	34.40	10.36	34.38	38.23	48.61	74.00	25.39	Peak
@ 5219.840	34.50	10.40	34.36	70.51	81.05	---	---	Peak

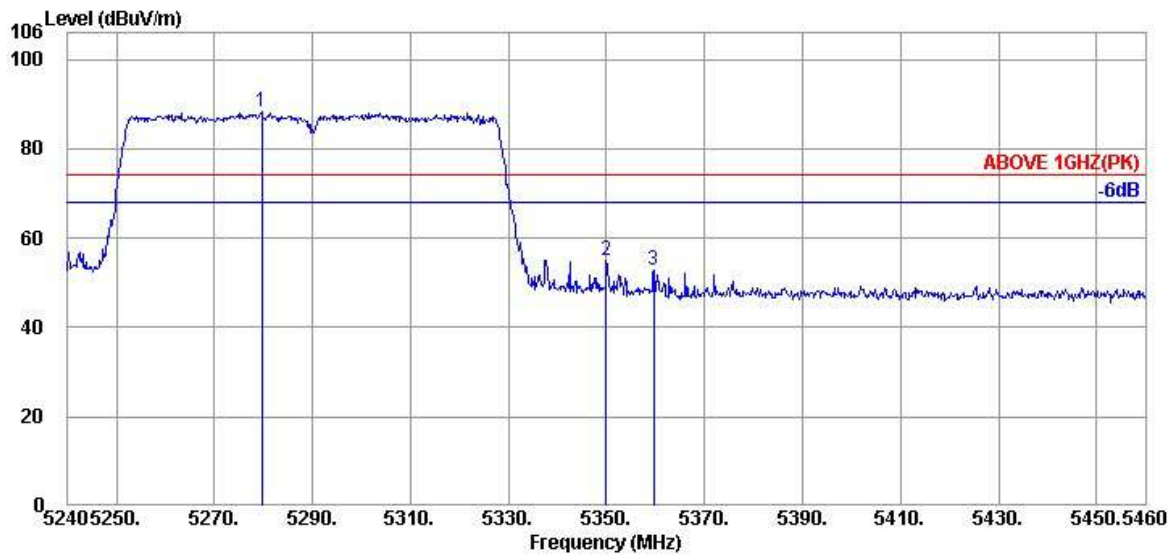


Antenna at Vertical Polarization

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
5148.800	34.40	10.36	34.38	28.25	38.63	54.00	15.37	Average
5150.080	34.40	10.36	34.38	27.38	37.76	54.00	16.24	Average
@ 5219.200	34.50	10.40	34.36	60.74	71.28	---	---	Average

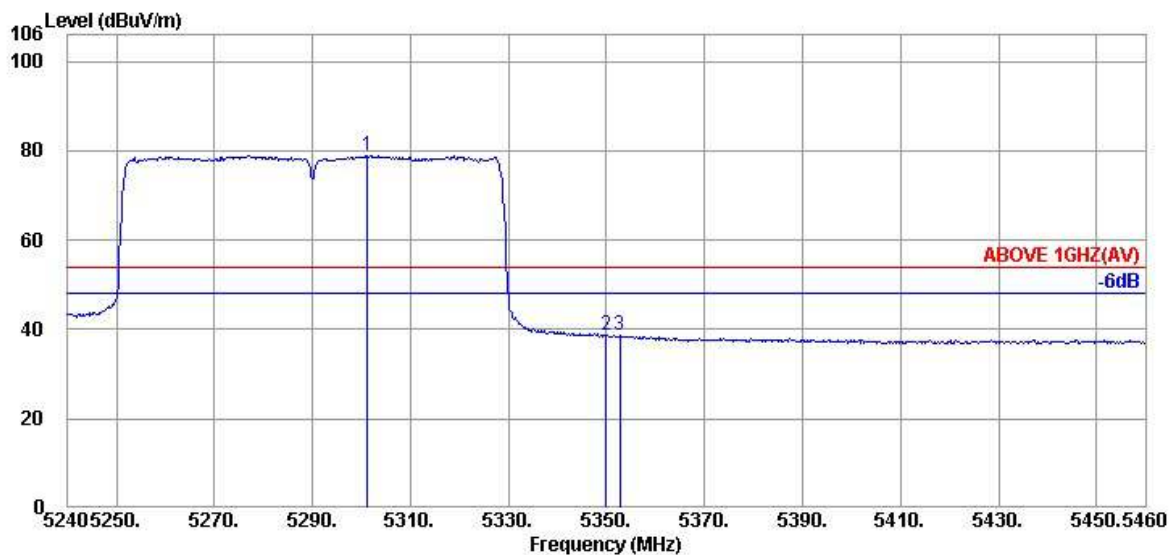
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11ac-VHT80	Frequency	TX 5290MHz
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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
@ 5279.600	34.57	10.44	34.34	77.43	88.10	---	---	Peak
5350.000	34.60	10.48	34.31	44.20	54.97	74.00	19.03	Peak
5359.680	34.60	10.48	34.31	41.89	52.66	74.00	21.34	Peak

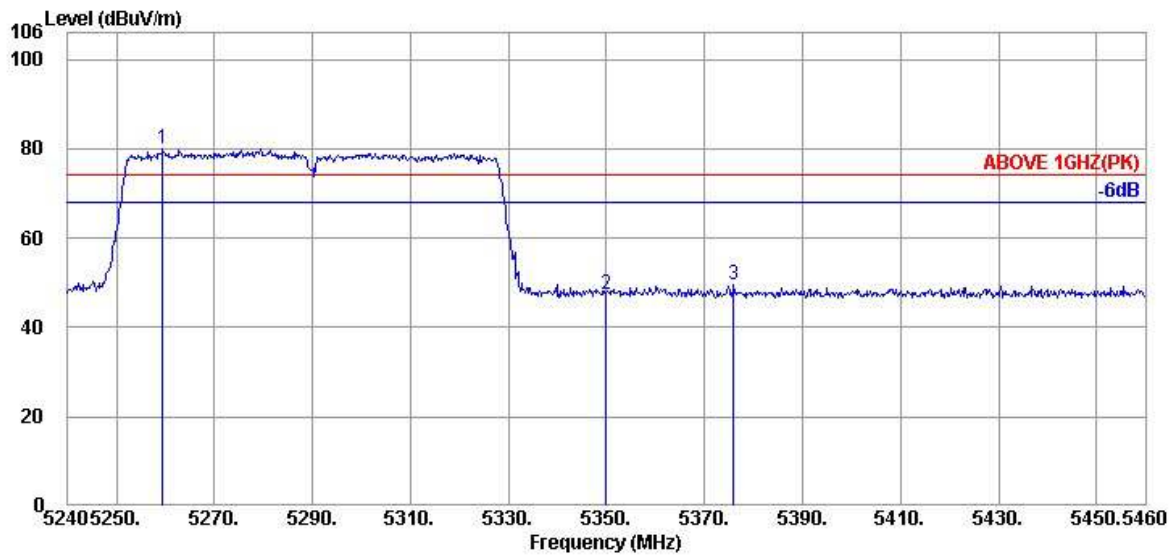


Antenna at Horizontal Polarization

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
@ 5301.160	34.60	10.45	34.33	68.18	78.90	---	---	Average
5350.000	34.60	10.48	34.31	27.88	38.65	54.00	15.35	Average
5352.640	34.60	10.48	34.31	27.96	38.73	54.00	15.27	Average

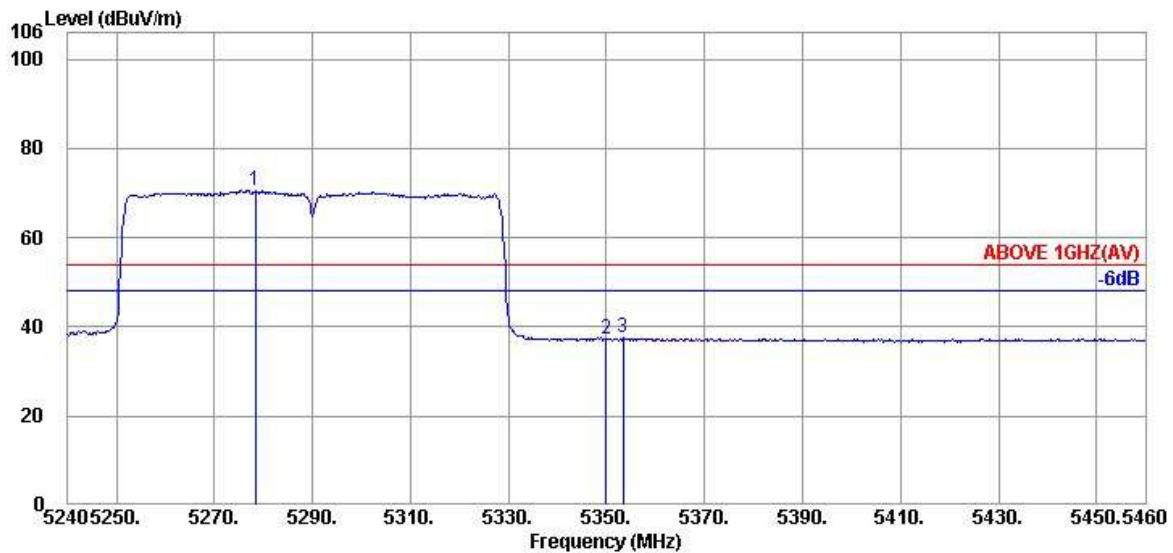
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11ac-VHT80	Frequency	TX 5290MHz
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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
@ 5259.360	34.50	10.43	34.34	69.44	80.03	---	---	Peak
5350.000	34.60	10.48	34.31	36.61	47.38	74.00	26.62	Peak
5375.960	34.60	10.49	34.31	38.60	49.38	74.00	24.62	Peak

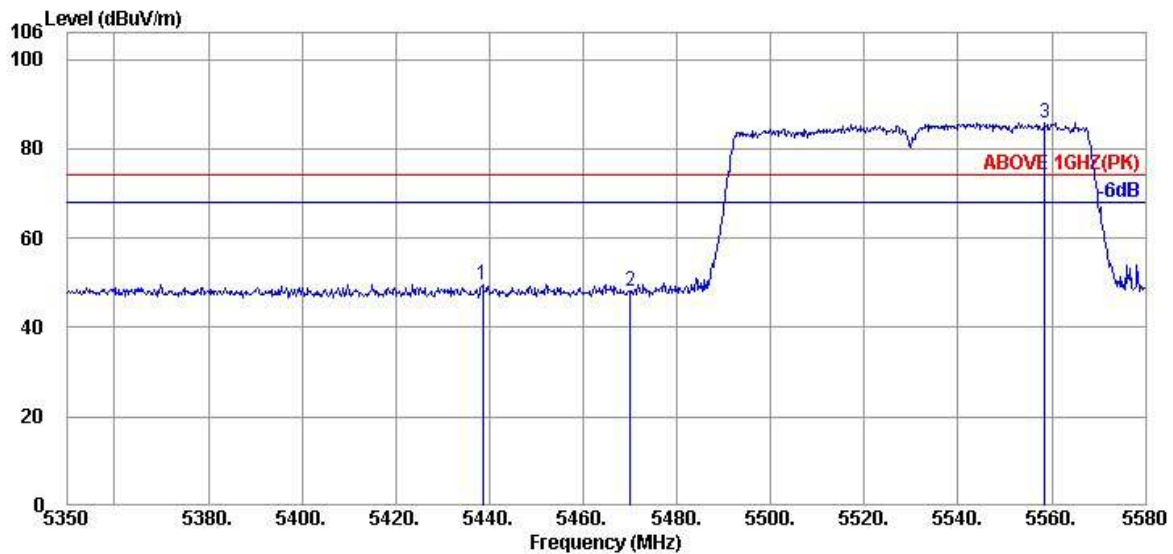


Antenna at Vertical Polarization

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
@ 5278.280	34.57	10.44	34.34	59.95	70.62	---	---	Average
5350.000	34.60	10.48	34.31	26.57	37.34	54.00	16.66	Average
5353.300	34.60	10.48	34.31	26.73	37.50	54.00	16.50	Average

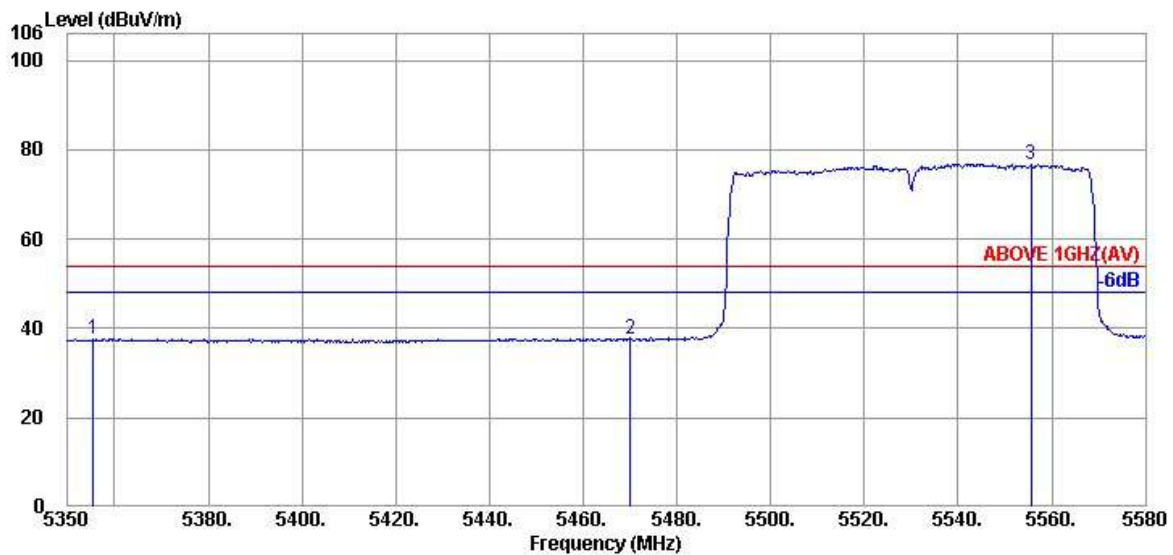
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11ac-VHT80	Frequency	TX 5530MHz
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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
5438.550	34.67	10.52	34.29	38.77	49.67	74.00	24.33	Peak
5470.060	34.67	10.54	34.28	37.30	48.23	74.00	25.77	Peak
@ 5558.610	34.60	10.63	34.30	74.94	85.87	---	---	Peak

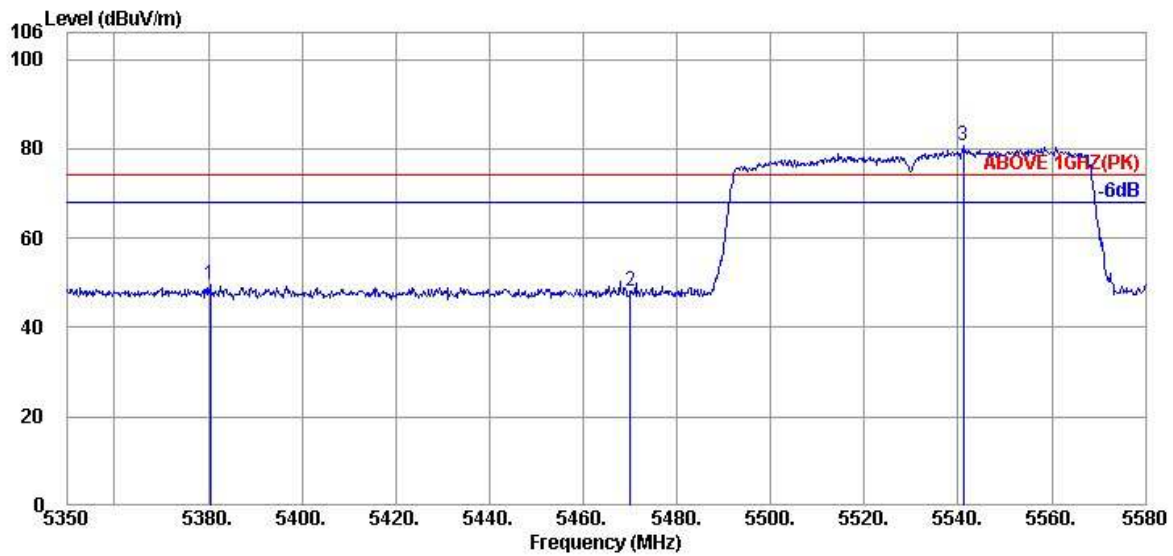


Antenna at Horizontal Polarization

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
5355.520	34.60	10.48	34.31	27.03	37.80	54.00	16.20	Average
5470.060	34.67	10.54	34.28	26.56	37.49	54.00	16.51	Average
@ 5555.620	34.60	10.63	34.30	65.85	76.78	---	---	Average

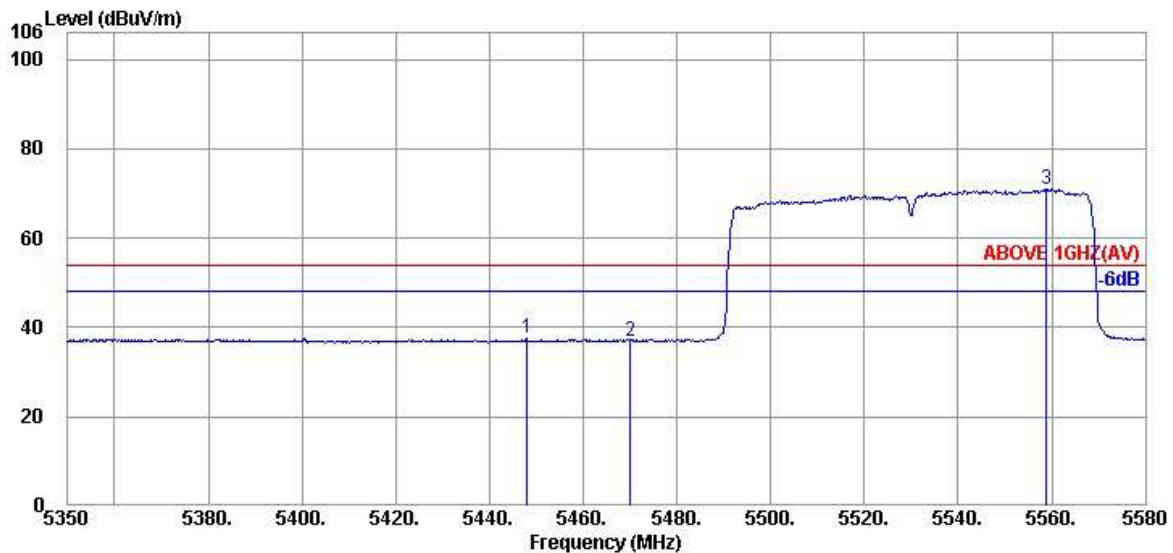
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11ac-VHT80	Frequency	TX 5530MHz
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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
5380.360	34.60	10.49	34.31	38.78	49.56	74.00	24.44	Peak
5470.060	34.67	10.54	34.28	37.11	48.04	74.00	25.96	Peak
@ 5541.130	34.60	10.60	34.29	69.68	80.59	---	---	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
5447.980	34.70	10.53	34.29	26.52	37.46	54.00	16.54	Average
5470.060	34.67	10.54	34.28	26.08	37.01	54.00	16.99	Average
@ 5558.840	34.60	10.63	34.30	59.95	70.88	---	---	Average

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	2020/06/09	環境溫/濕度	25°C/53%
電纜損失	2.70dB	測試人員	Brain Hsieh
Duty Cycle	802.11a: 1.000 802.11n-HT20: 0.989 802.11n-HT40: 0.985 802.11ac-VHT80: 0.943	測試電壓	DC 7.2V (透過鋰電池供電)
Simultaneous Factor 10 log(n) (Note: "n" is antenna number)		0	

2.1. 最大輸出功率及 26dB/6dB 頻寬

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)	26dB	99%					
UNII Band I	5180	21.08	16.686	8.23	0	8.23	24	N/A
	5200	21.16	16.694	7.95		7.95		
	5240	21.08	16.700	7.64		7.64		
UNII Band II	5260	20.99	16.669	8.17		8.17		24.22
	5300	21.04	16.671	8.33		8.33		24.23
	5320	20.97	16.689	8.38		8.38		24.22
UNII Band III	5500	21.15	16.673	8.45		8.45		24.25
	5580	21.10	16.665	8.64		8.64		24.24
	5700	21.12	16.675	9.43		9.43		24.25
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%					
UNII Band IV	5745	16.39	16.507	8.33	0	8.33	30	N/A
	5785	16.46	16.500	8.42		8.42		
	5825	16.39	16.504	8.05		8.05		

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%					
UNII Band I	5180	21.26	17.837	8.05	0	8.05	24	N/A
	5200	21.31	17.831	8.03		8.03		
	5240	21.27	17.826	7.59		7.59		
UNII Band II	5260	21.45	17.880	8.14		8.14		24.31
	5300	21.28	17.830	8.26		8.26		24.28
	5320	21.57	17.826	8.41		8.41		24.34
UNII Band III	5500	21.38	17.846	8.41		8.41		24.30
	5580	21.20	17.783	8.57		8.57		24.26
	5700	21.27	17.828	9.40		9.40		24.28
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%					
UNII Band IV	5745	17.59	17.706	8.42	0	8.42	30	N/A
	5785	17.60	17.693	8.43		8.43		
	5825	17.61	17.705	8.09		8.09		

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-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%					
UNII Band I	5190	39.16	36.237	8.08	0	8.08	24	N/A
	5230	39.10	36.251	7.74		7.74		
UNII Band II	5270	39.17	36.241	7.90		7.90		26.93
	5310	39.15	36.242	8.05		8.05		26.93
UNII Band III	5510	39.20	36.248	8.28		8.28		26.93
	5550	39.15	36.249	8.31		8.31		26.93
	5670	39.20	36.250	9.09		9.09		26.93
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%					
UNII Band IV	5755	36.38	36.185	8.35	0	8.35	30	N/A
	5795	36.32	36.174	8.17		8.17		

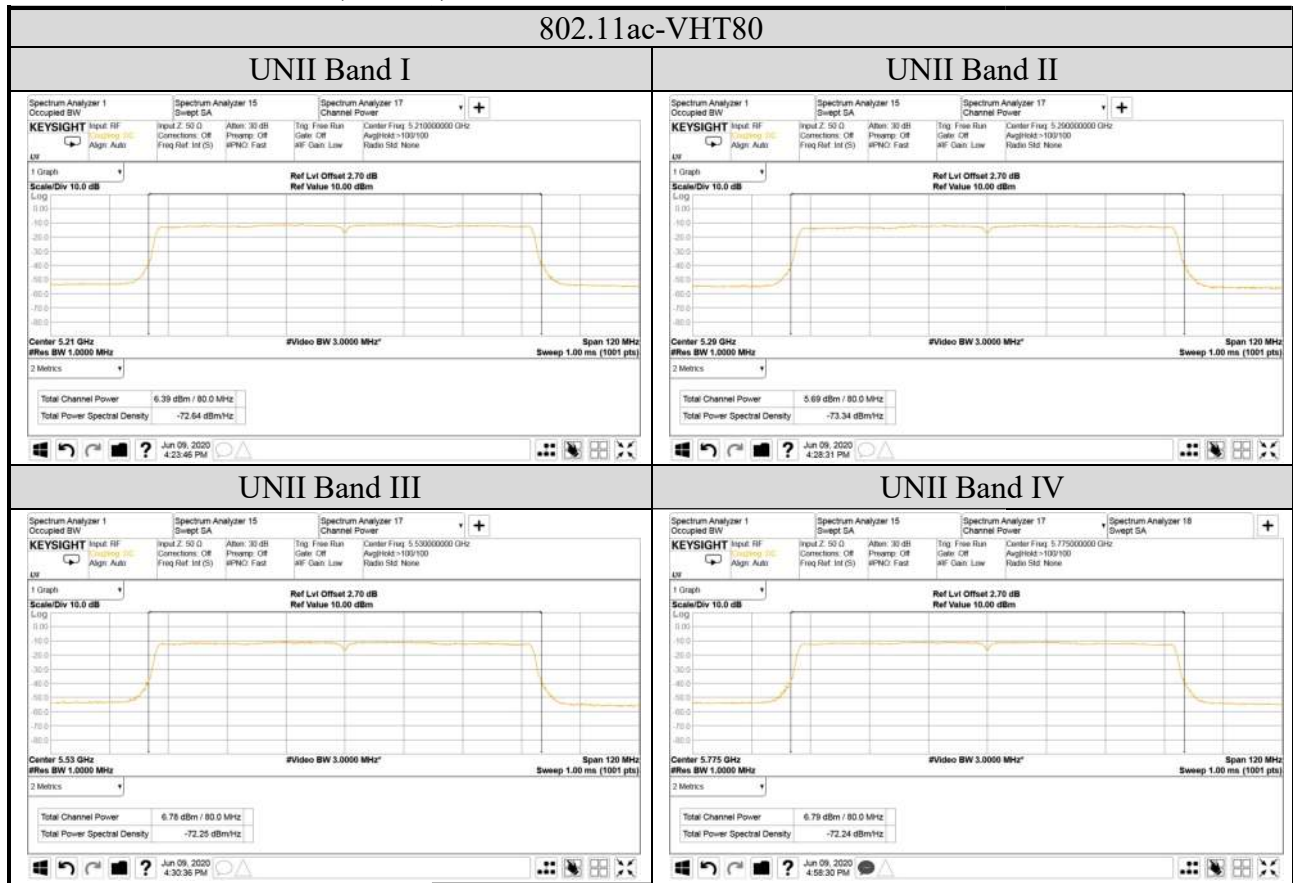
註: 當Duty cycle<98%, 最大輸出功率必需要加上duty cycle factor $10\log(1/x)$ 。
(x=duty cycle, B=26dB發射頻寬)

模式 802.11ac- 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%					
UNII Band I	5210	81.33	75.853	6.39	0.26	6.65	24	N/A
UNII Band II	5290	80.78	75.698	5.69		5.95		30.07
UNII Band III	5530	80.52	75.723	6.78		7.04		30.06
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%					
UNII Band IV	5775	76.39	75.536	6.79	0.26	7.05	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)

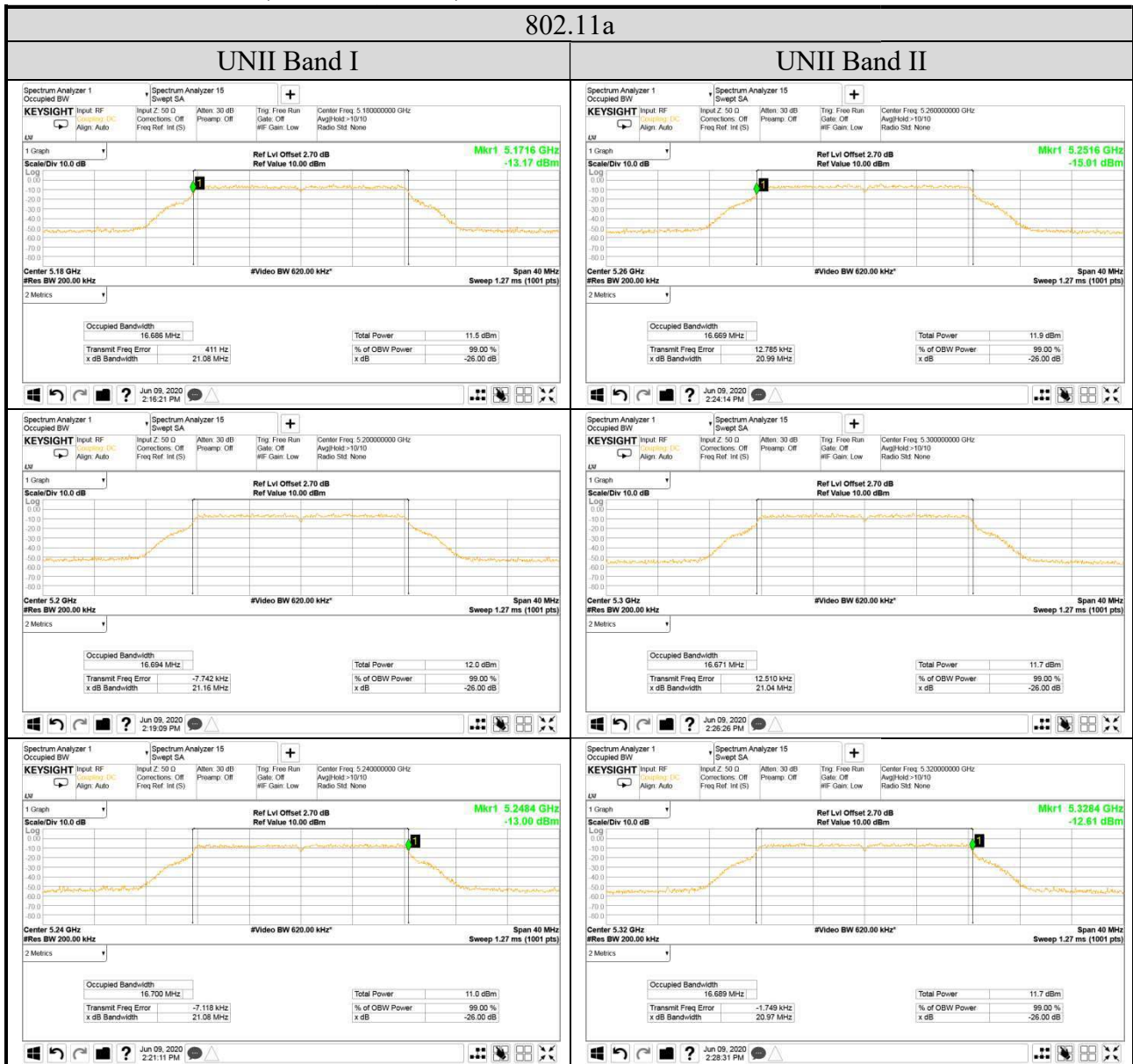
2.2. 最大輸出功率及 26dB/6dB 頻寬之量測圖

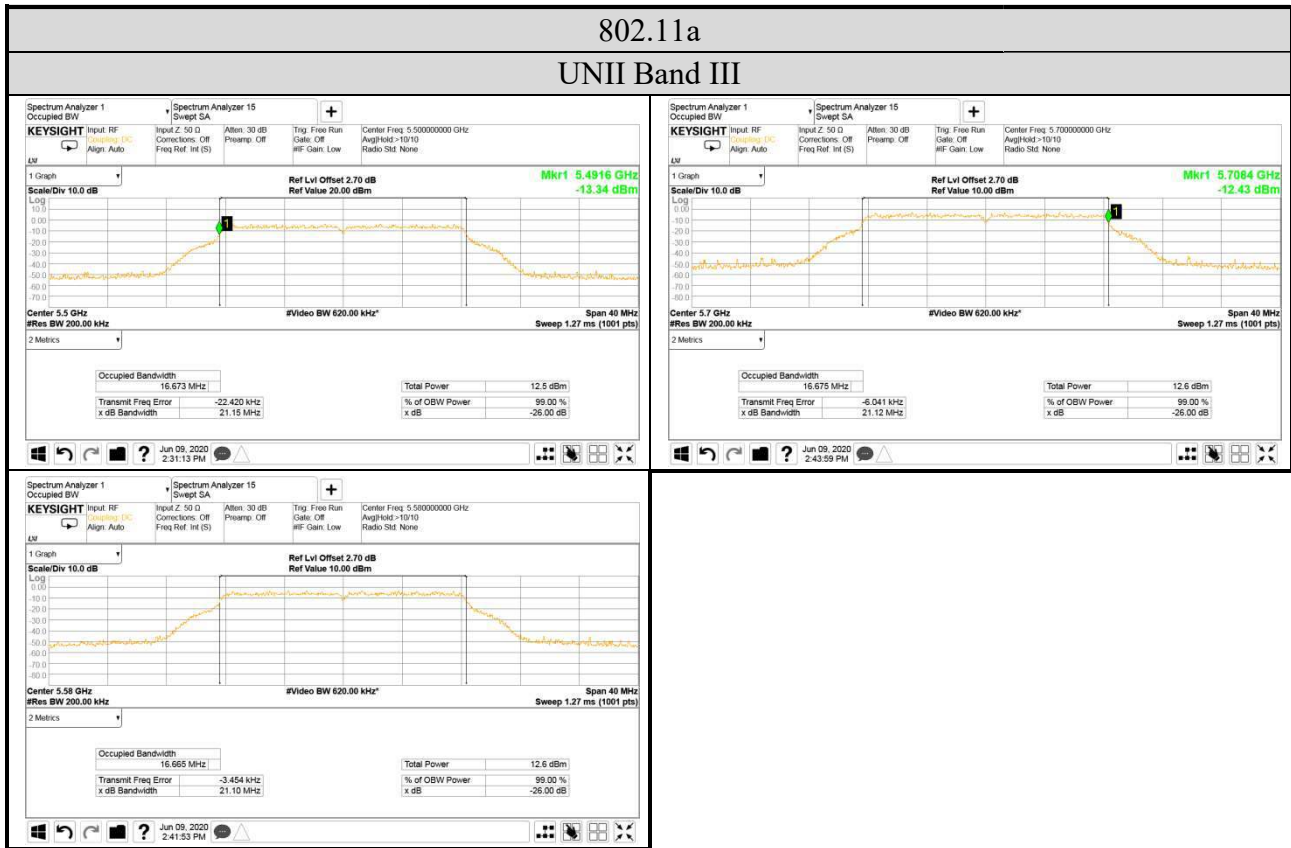
- 最大輸出功率(平均值)

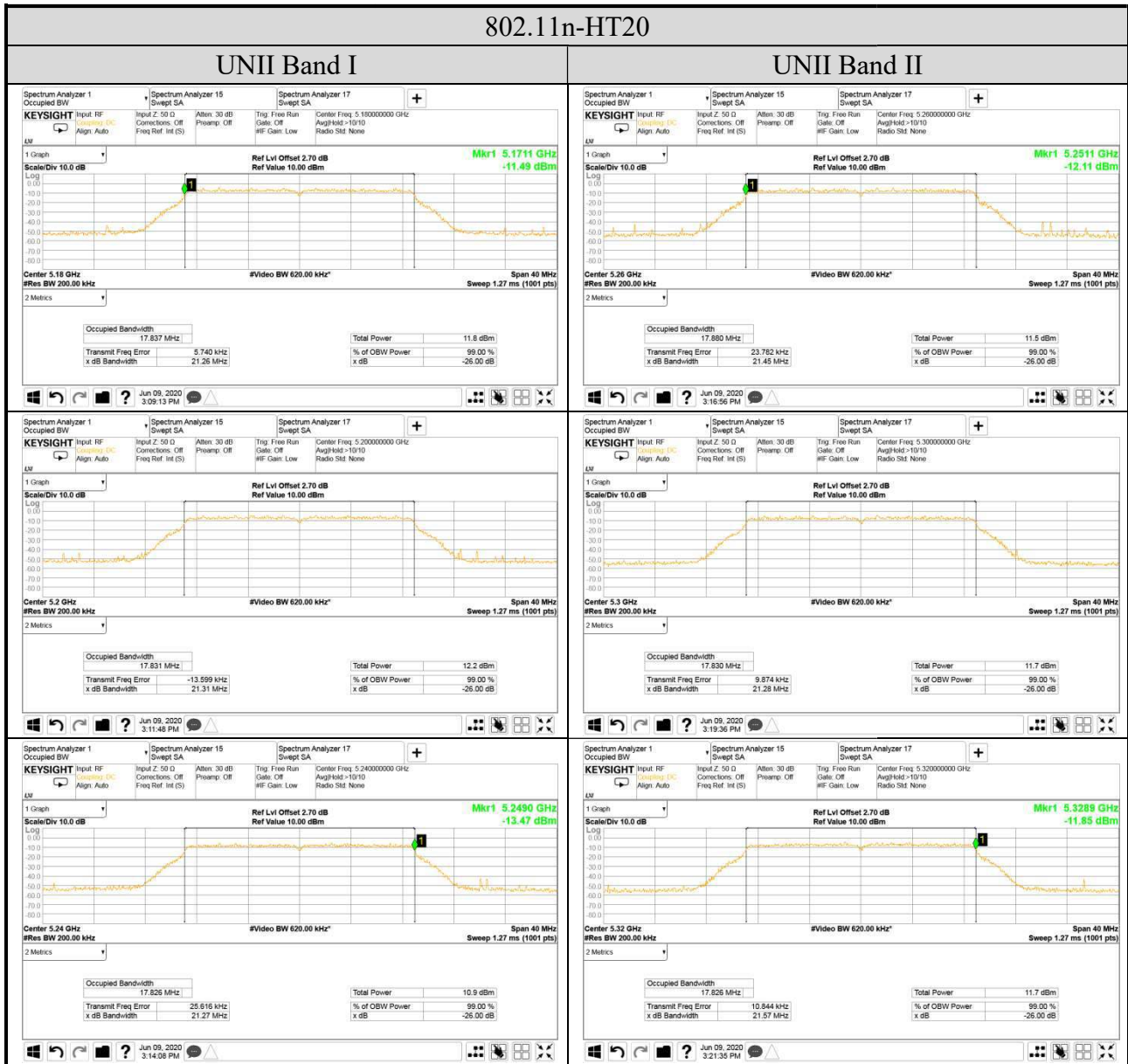


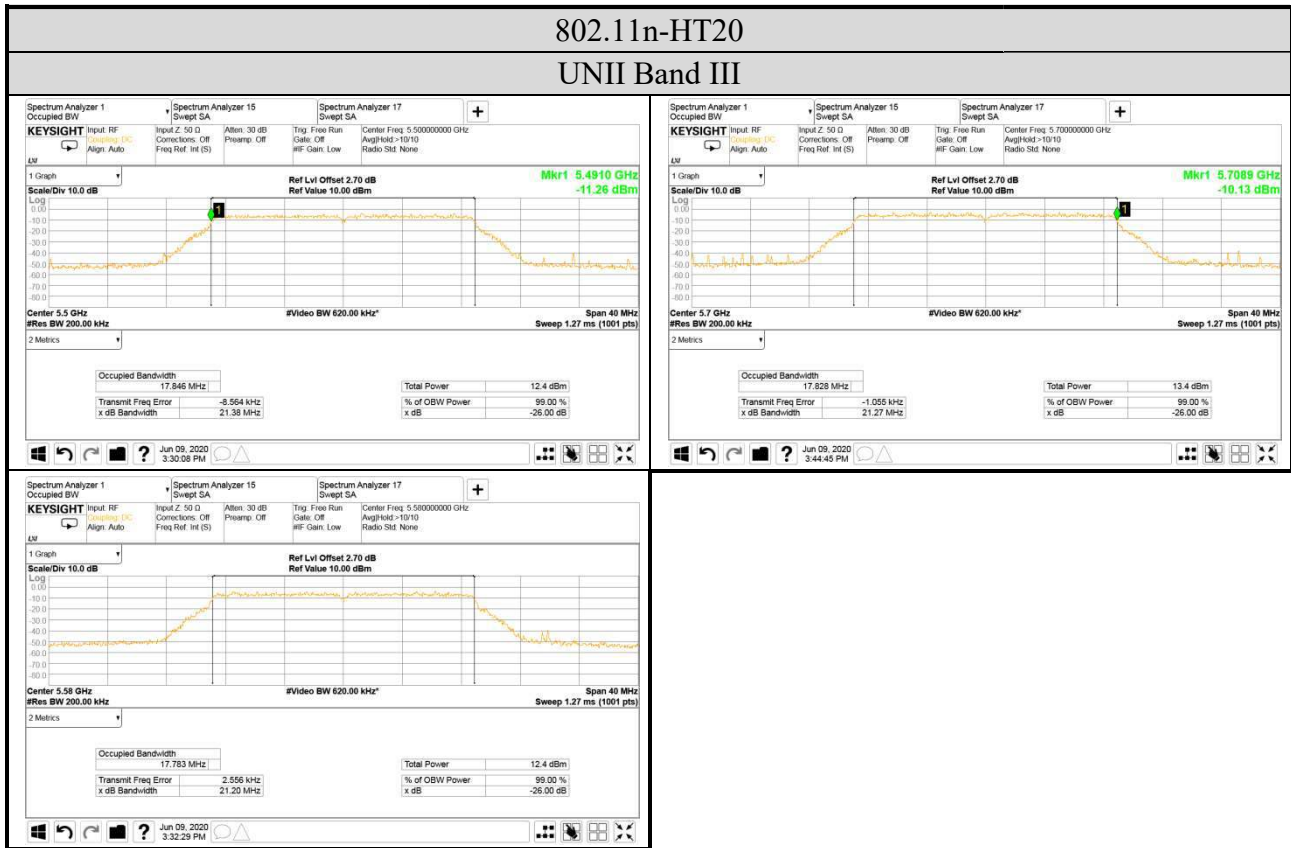
● 26dB 頻寬 (UNII Band I~III)

802.11a



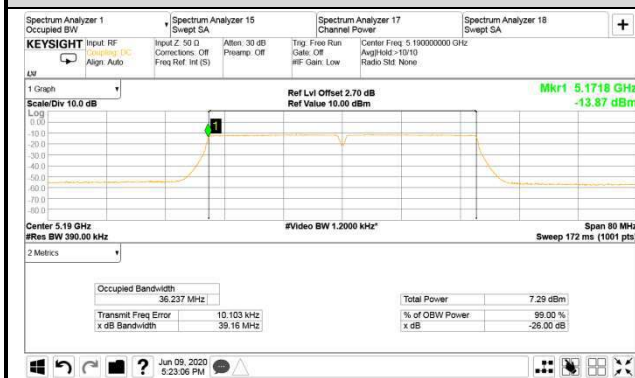




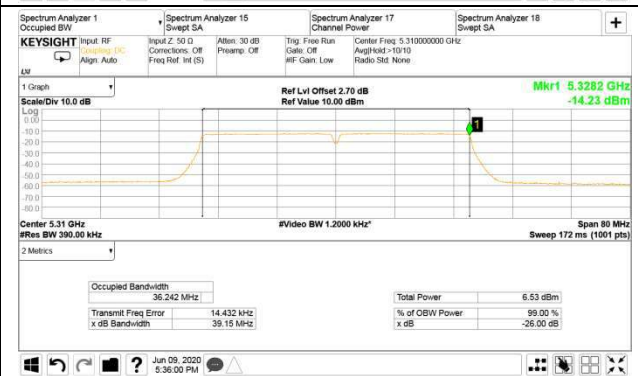
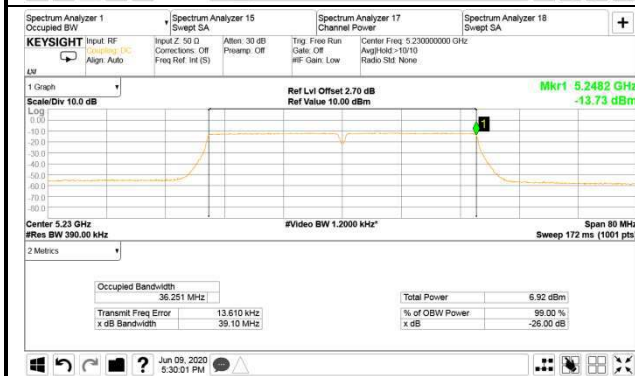
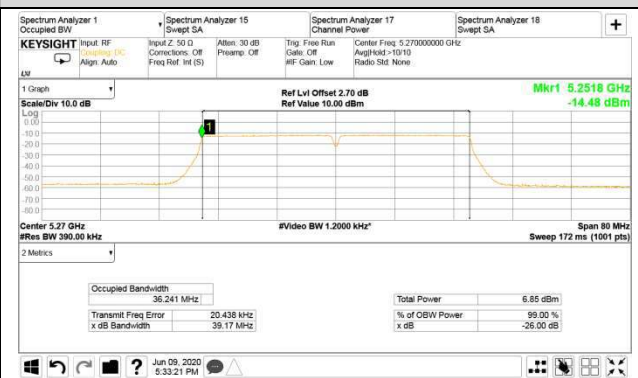


802.11n-HT40

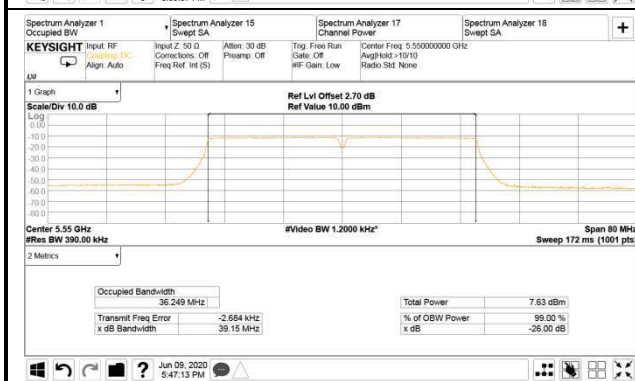
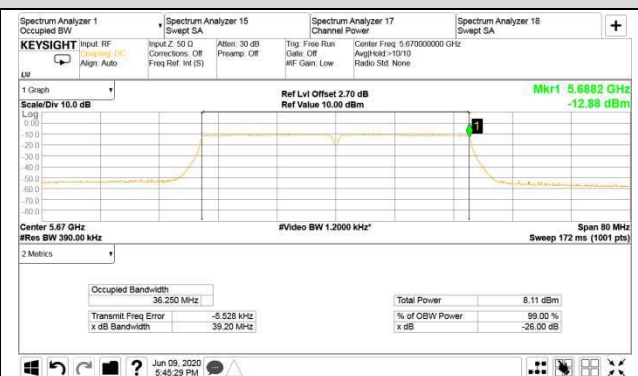
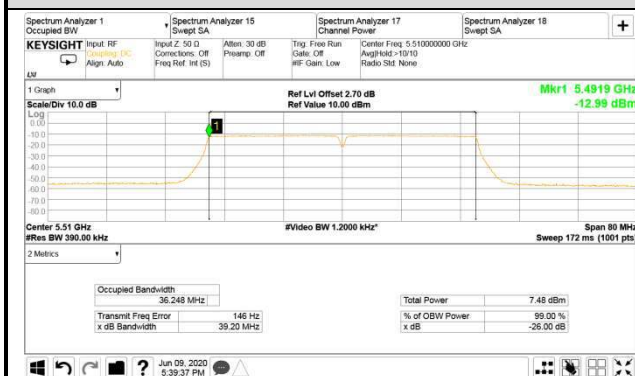
UNII Band I

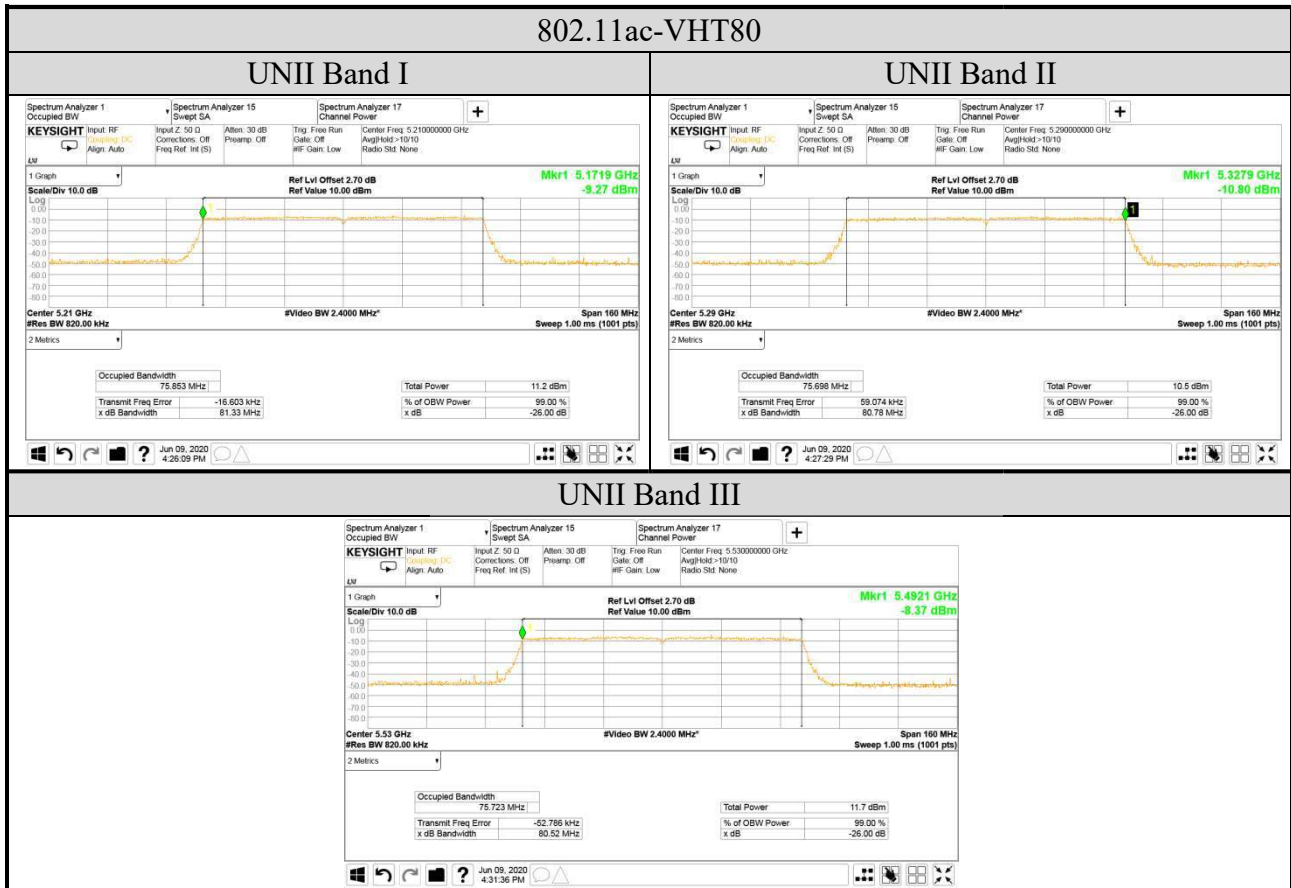


UNII Band II

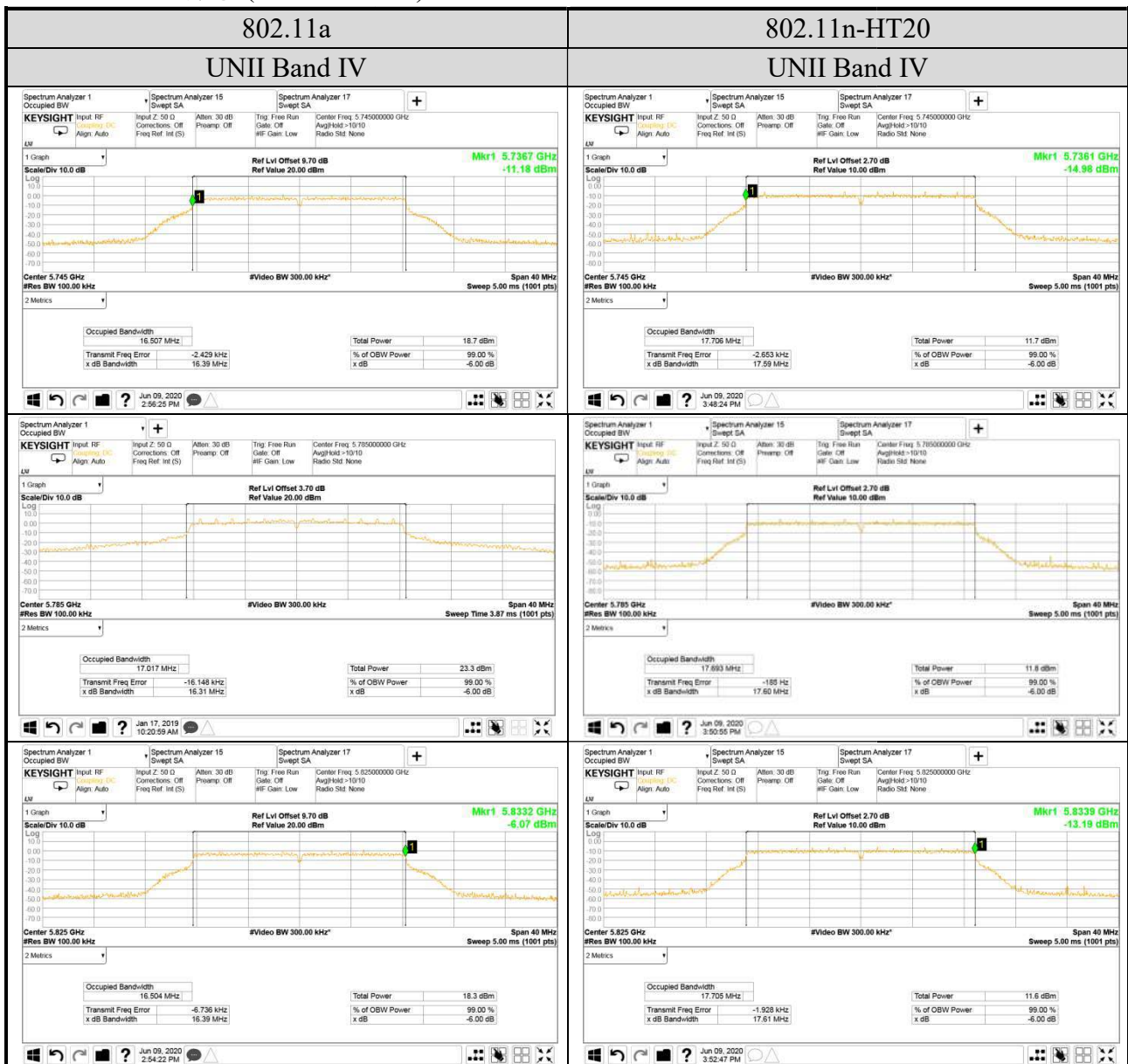


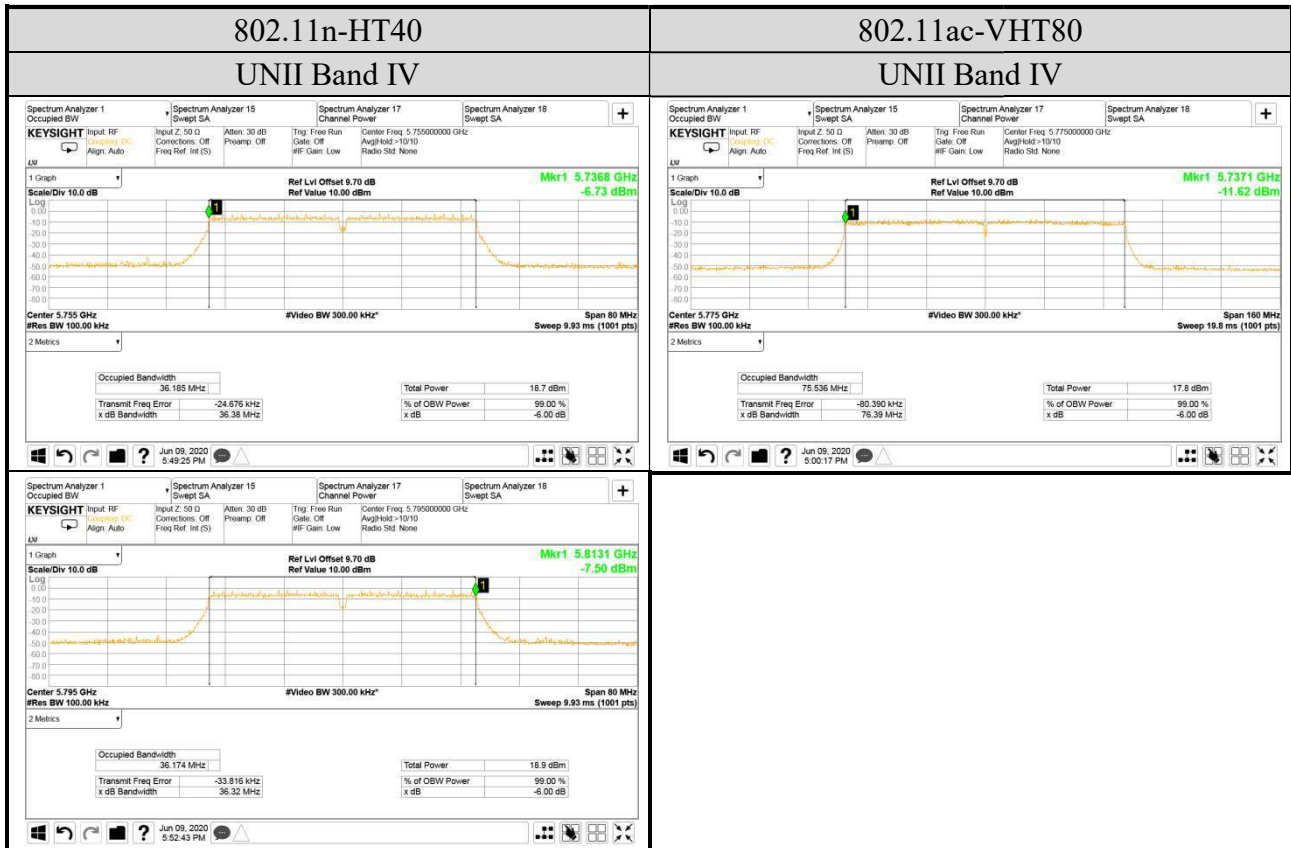
UNII Band III





● 6dB 頻寬 (UNII Band IV)





3. 峰值功率頻譜密度之量測

測試日期	2020/06/09	環境溫/濕度	25°C/53%
電纜損失	2.70dB	測試人員	Brain Hsieh
Duty Cycle	802.1a: 1.000 802.11n-HT20: 0.989 802.11n-HT40: 0.985 802.11ac-VHT80: 0.943	測試電壓	DC 7.2V (透過鋰電池供電)
Simultaneous Factor10 log(n) (Note: "n" is antenna number)		0	

3.1. 峰值功率頻譜密度

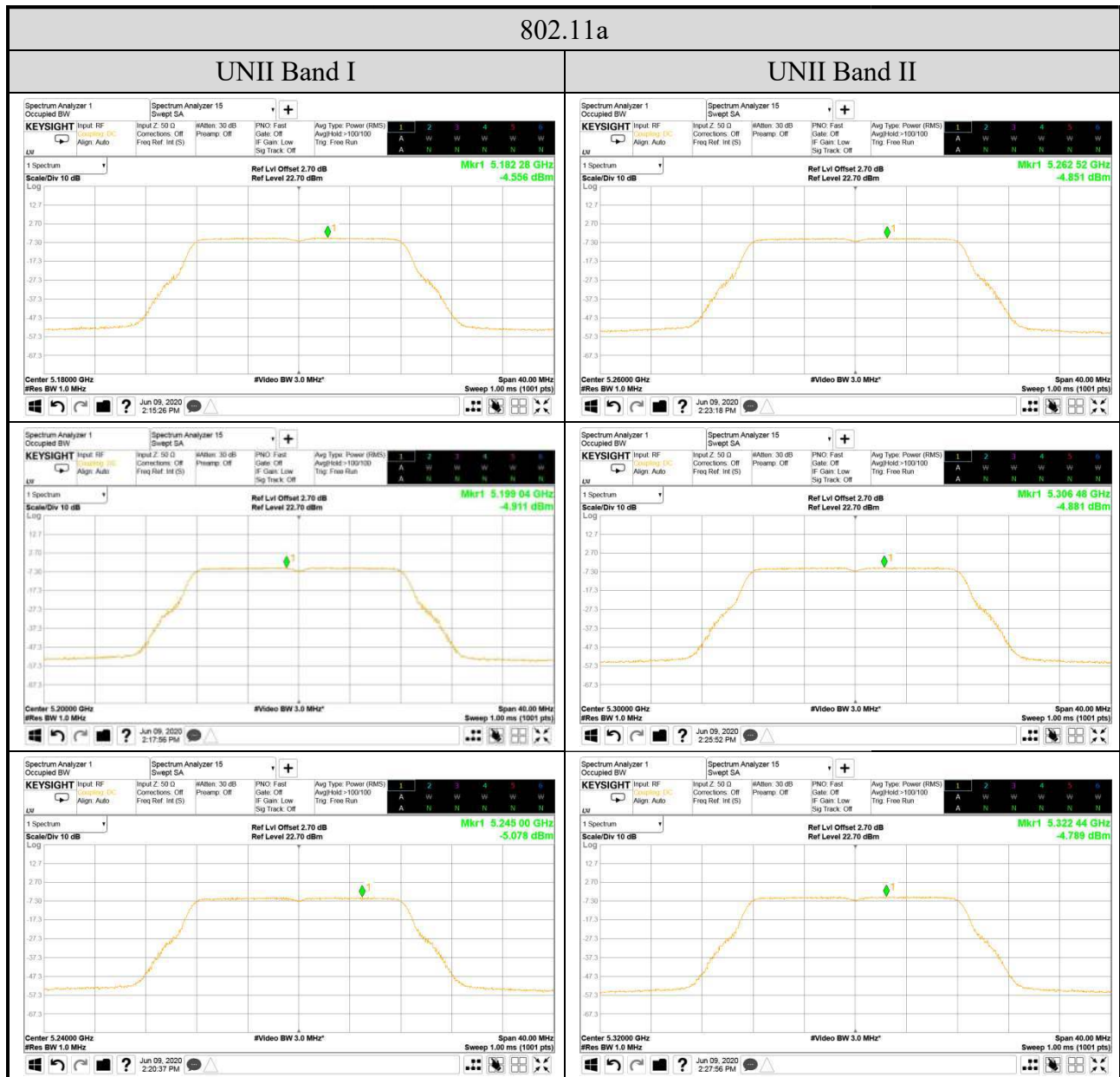
模式	UNII Band	測試頻率(MHz)	峰值功率頻譜密度		限制值
			(dBm/1MHz)	(dBm/500kHz)	
802.11a	I	5180	-4.556	--	11 dBm/MHz
		5200	-4.911	--	
		5240	-5.078	--	
	II	5260	-4.851	--	
		5300	-4.881	--	
		5320	-4.789	--	
	III	5500	-4.042	--	
		5580	-3.825	--	
		5700	-3.667	--	
	IV ^{Note2}	5745	--	-5.981	30dBm/500 kHz
		5785	--	-5.916	
		5825	--	-6.765	
802.11n-HT20	I	5180	-4.808	--	11 dBm/MHz
		5200	-5.239	--	
		5240	-5.519	--	
	II	5260	-5.054	--	
		5300	-5.331	--	
		5320	-5.017	--	
	III	5500	-4.193	--	
		5580	-4.172	--	
		5700	-4.043	--	
	IV ^{Note}	5745	--	-6.677	30dBm/500 kHz
		5785	--	-6.355	
		5825	--	-6.734	

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

模式	UNII Band	測試頻率(MHz)	峰值功率頻譜密度		限制值
			(dBm/1MHz)	(dBm/500kHz)	
802.11n- HT40	I	5190	-7.907	--	11 dBm/MHz
		5230	-7.980	--	
	II	5270	-8.467	--	
		5310	-8.448	--	
	III	5510	-7.386	--	
		5550	-7.595	--	
		5670	-7.271	--	
	IV ^{Note}	5755	--	-9.566	30dBm/500 kHz
		5795	--	-9.459	
802.11ac- VHT80	I	5210	-10.252	--	11 dBm/MHz
	II	5290	-10.850	--	
	III	5530	-9.329	--	
	IV ^{Note}	5775	--	-11.937	30dBm/500 kHz

Note: BWCF 6.99dB (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

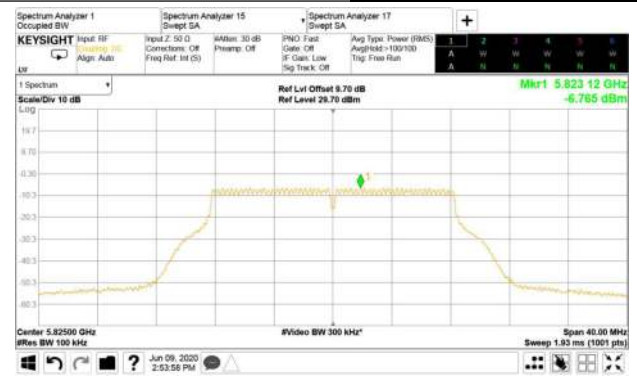
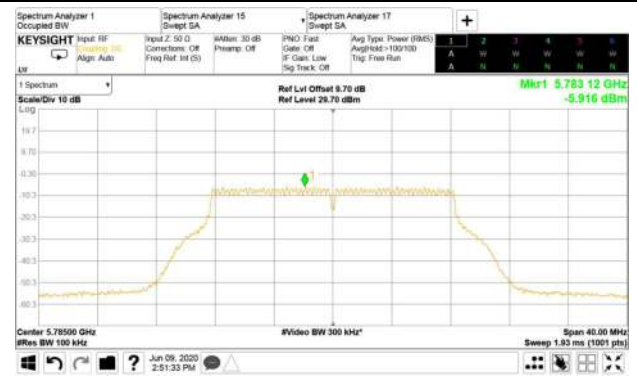
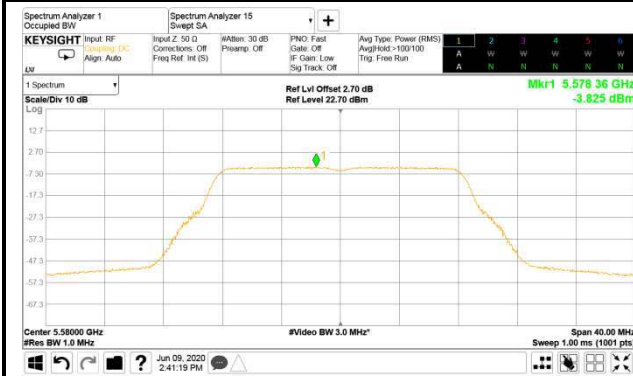
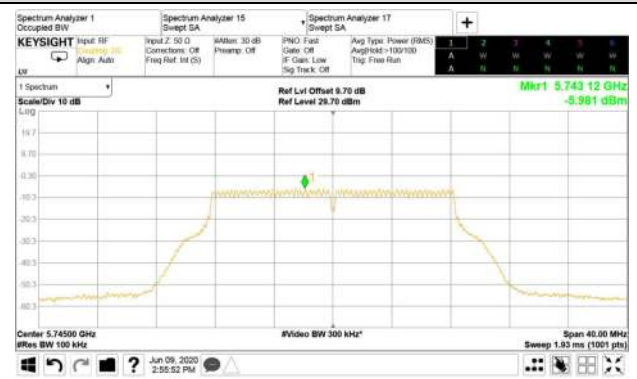


802.11a

UNII Band III



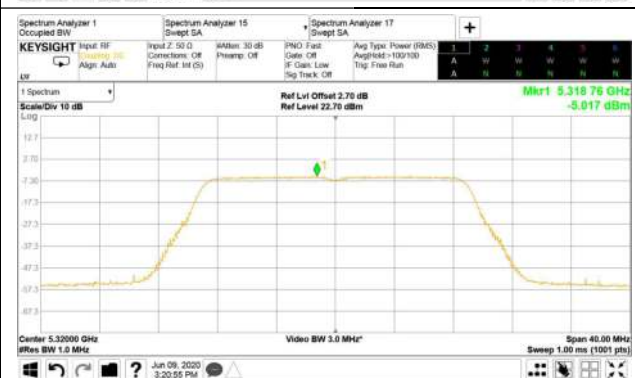
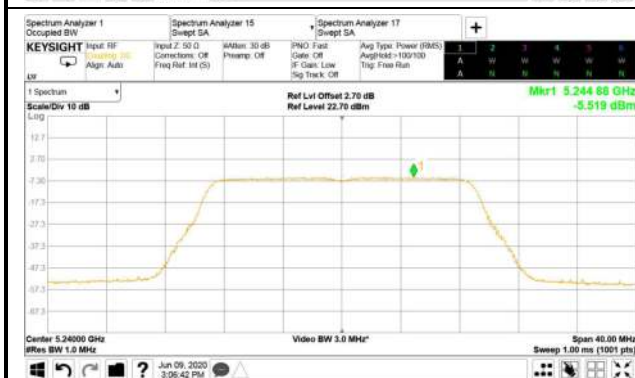
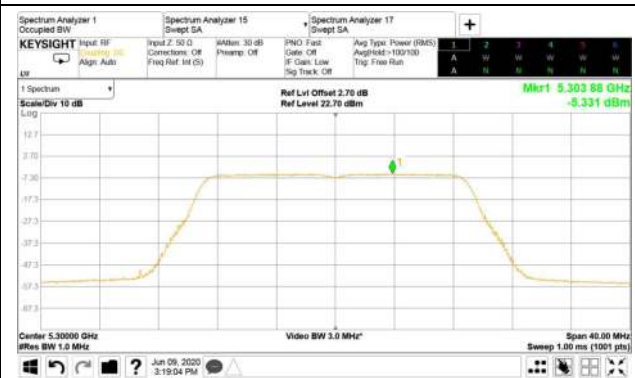
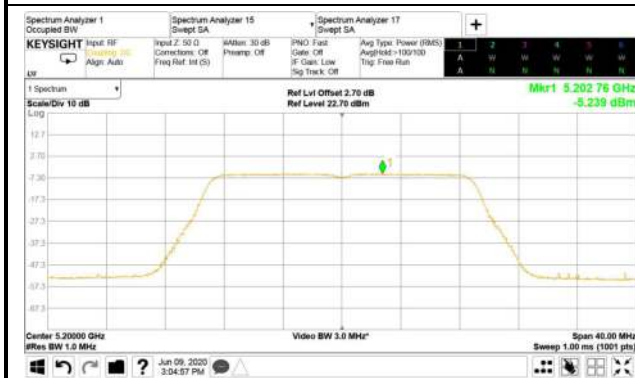
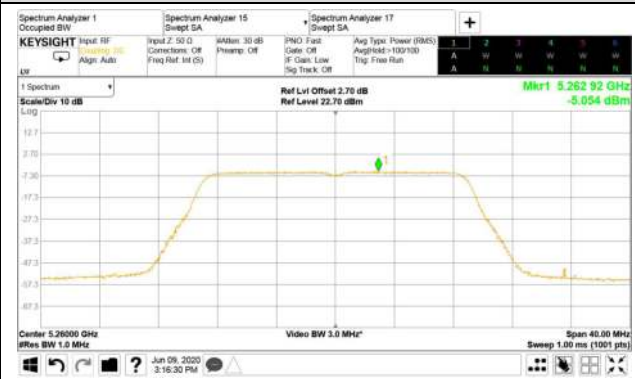
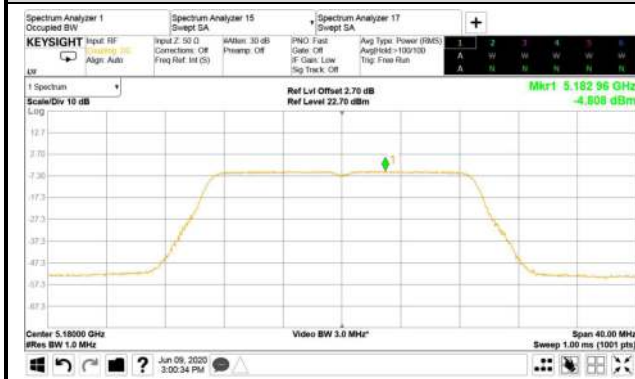
UNII Band IV



802.11n-HT20

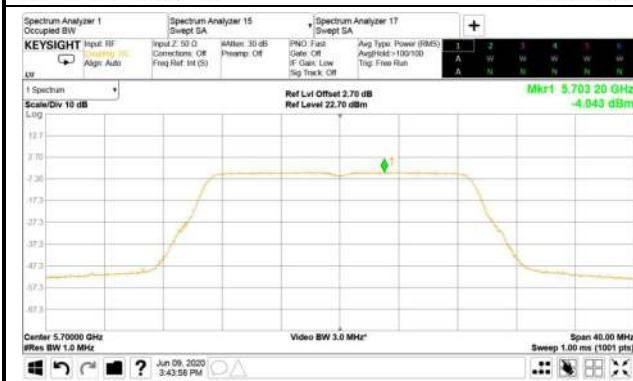
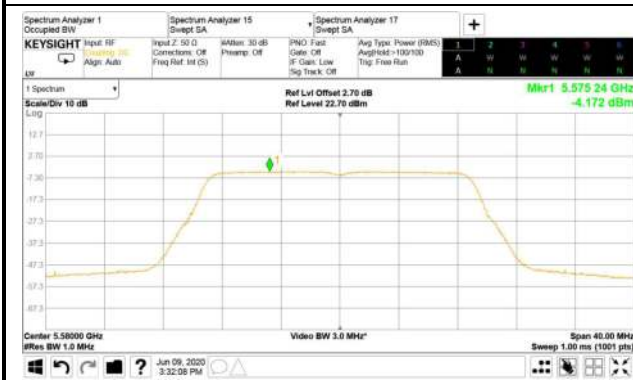
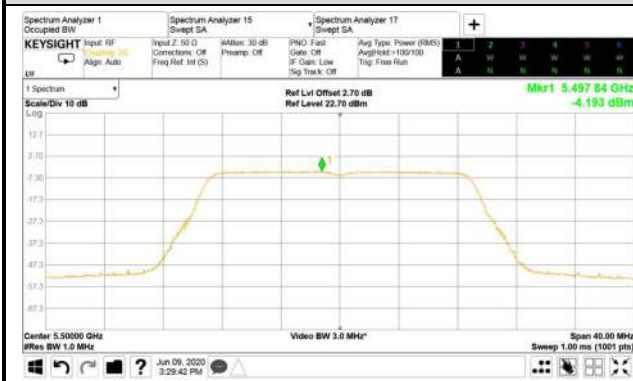
UNII Band I

UNII Band II

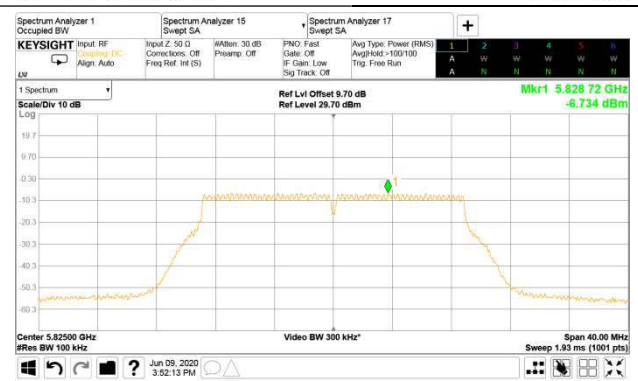
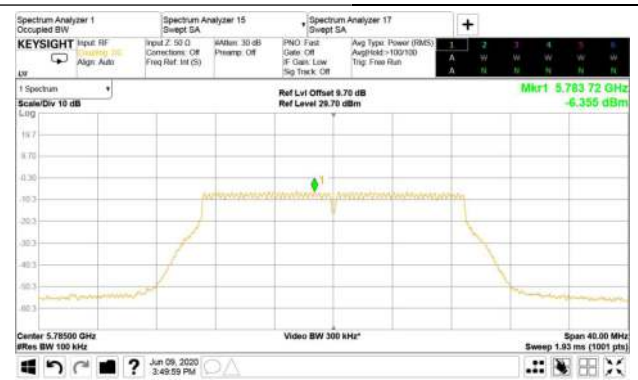
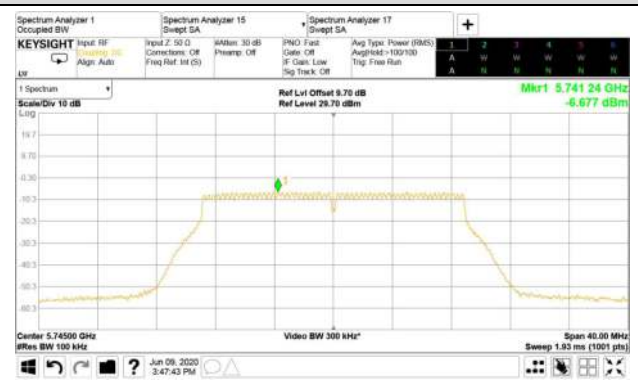


802.11n-HT20

UNII Band III

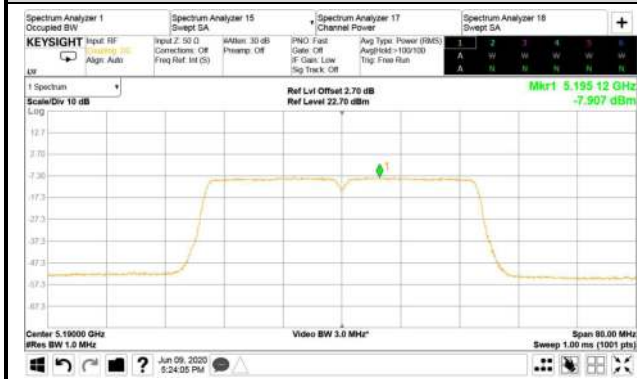


UNII Band IV

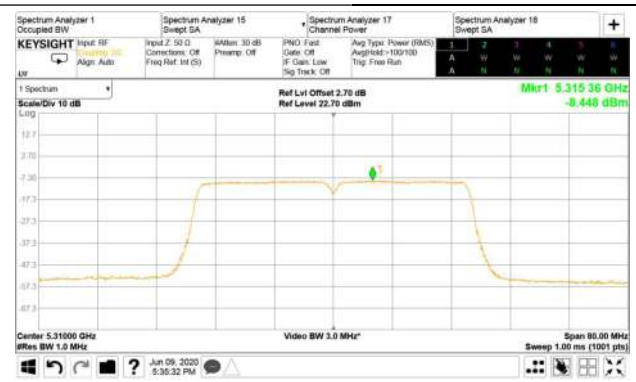
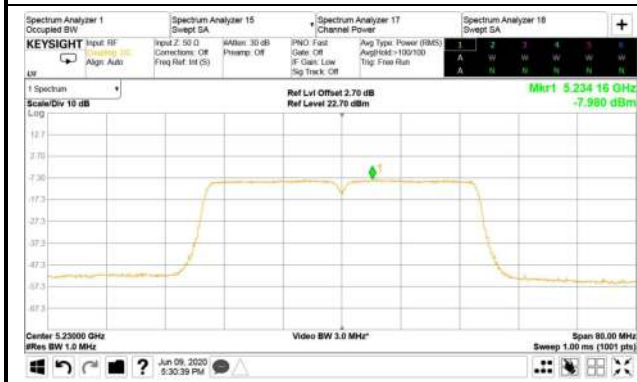
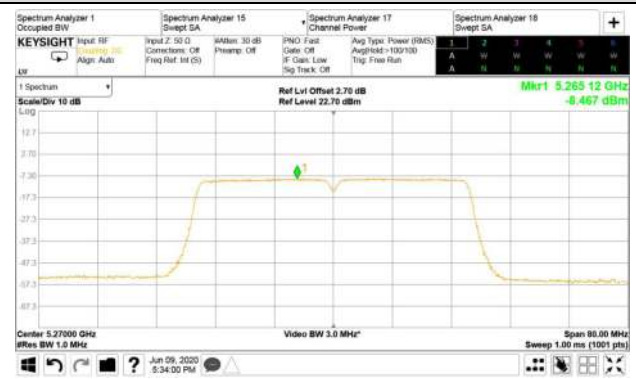


802.11n-HT40

UNII Band I

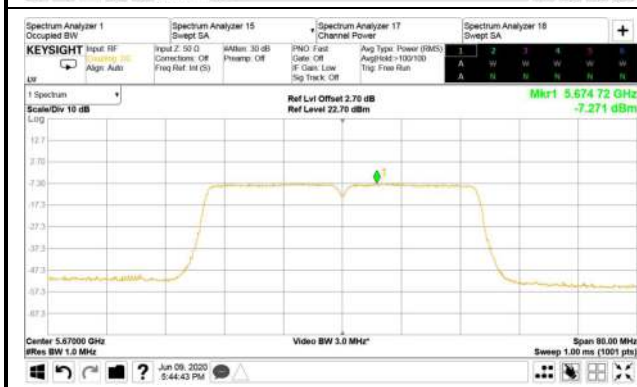
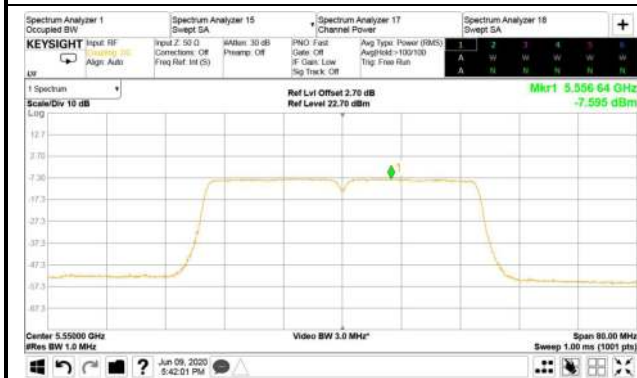
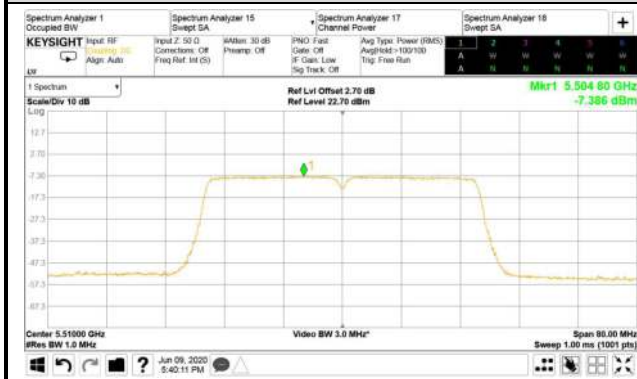


UNII Band II

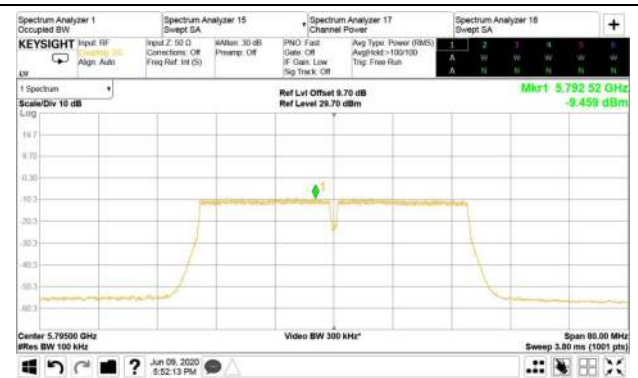
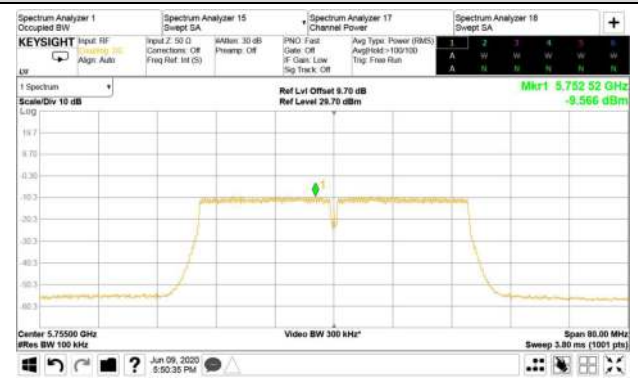


802.11n-HT40

UNII Band III



UNII Band IV

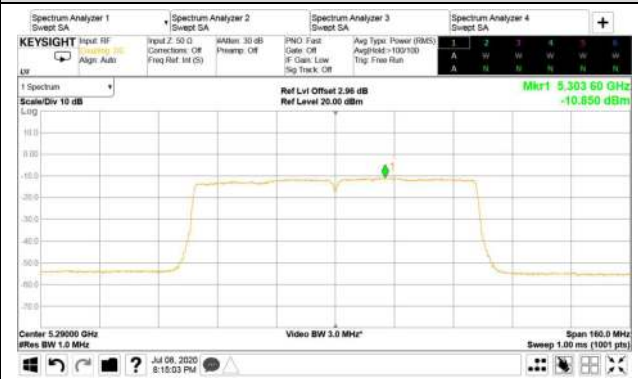


802.11ac-VHT80

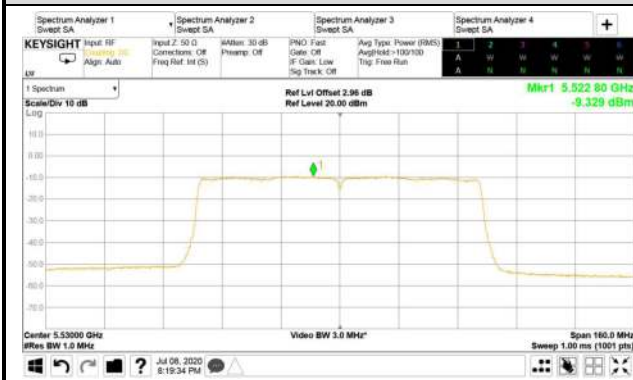
UNII Band I



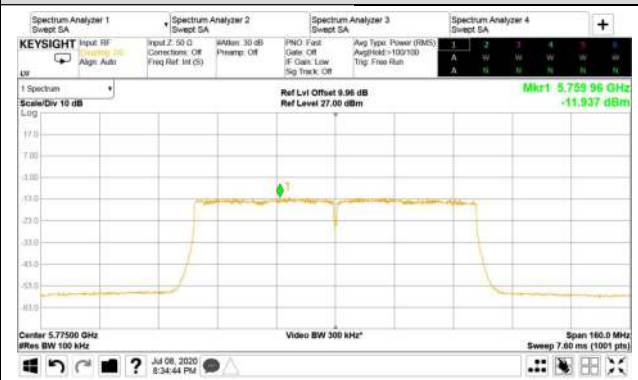
UNII Band II



UNII Band III

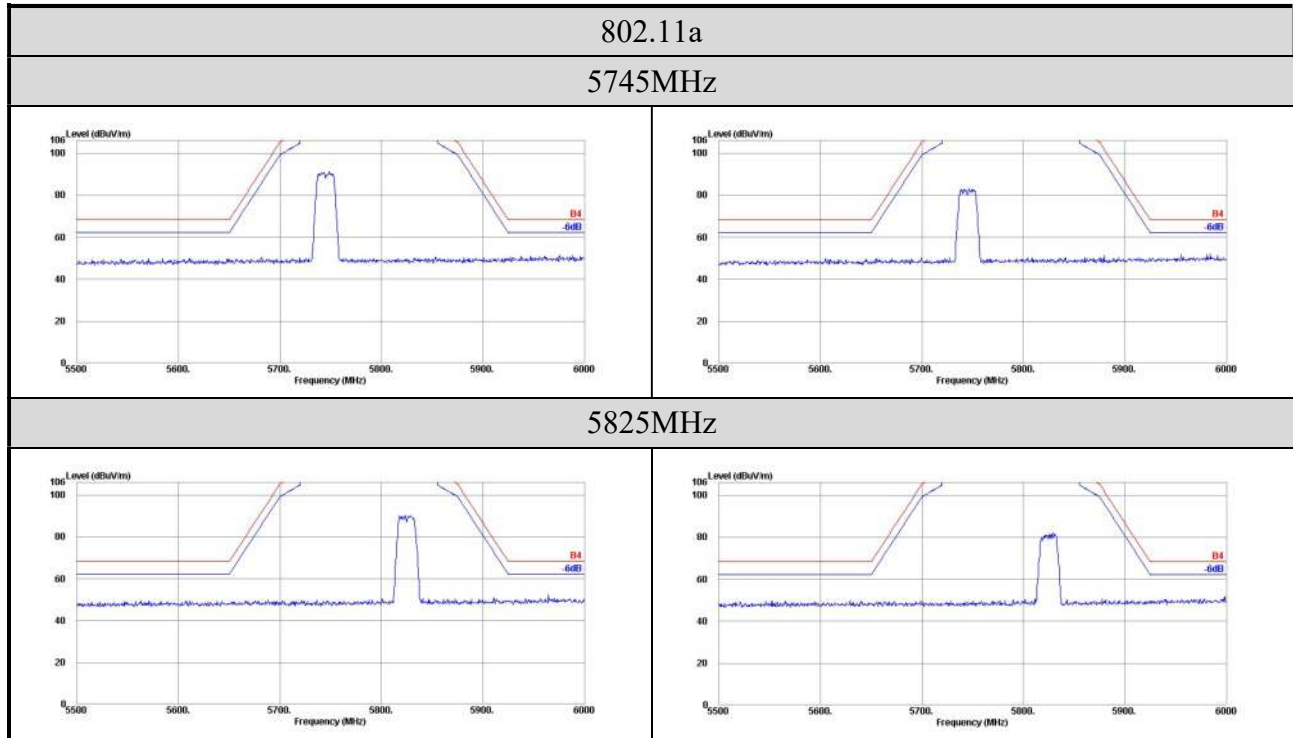


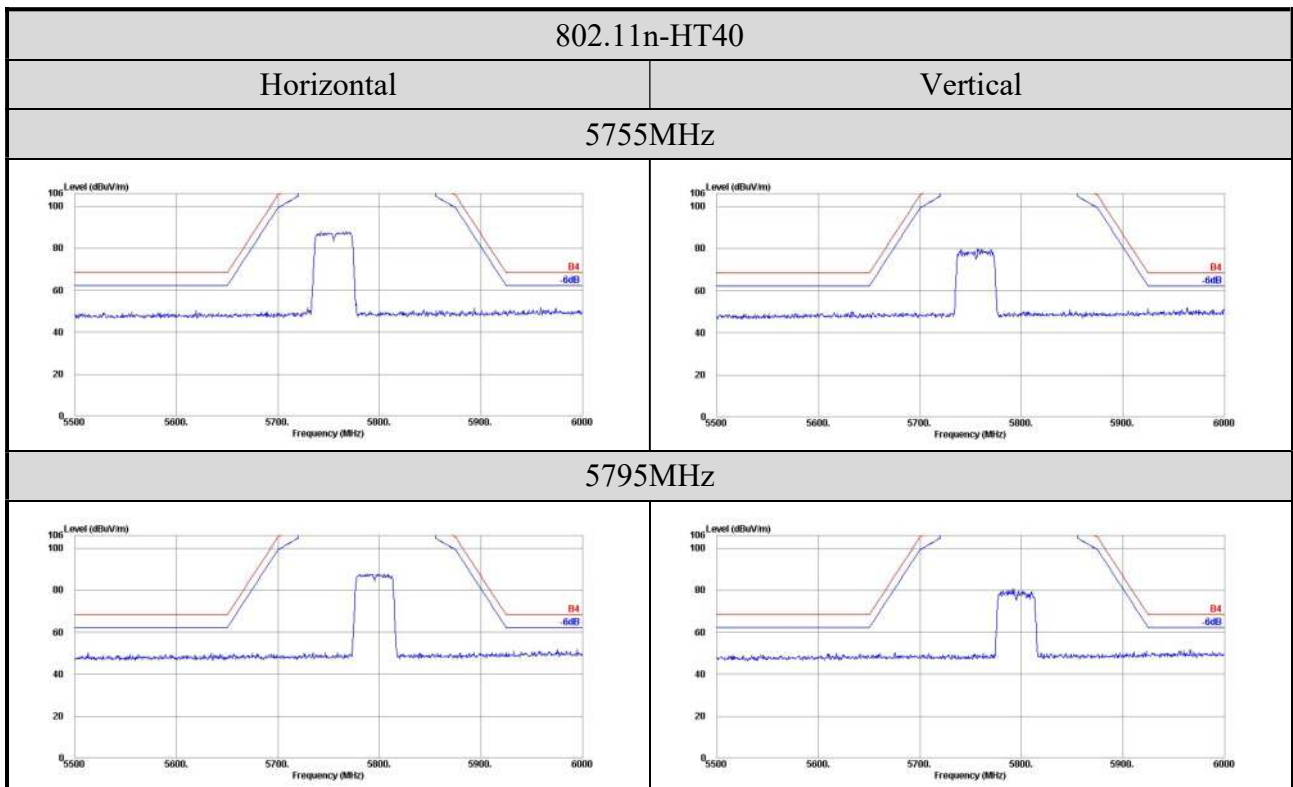
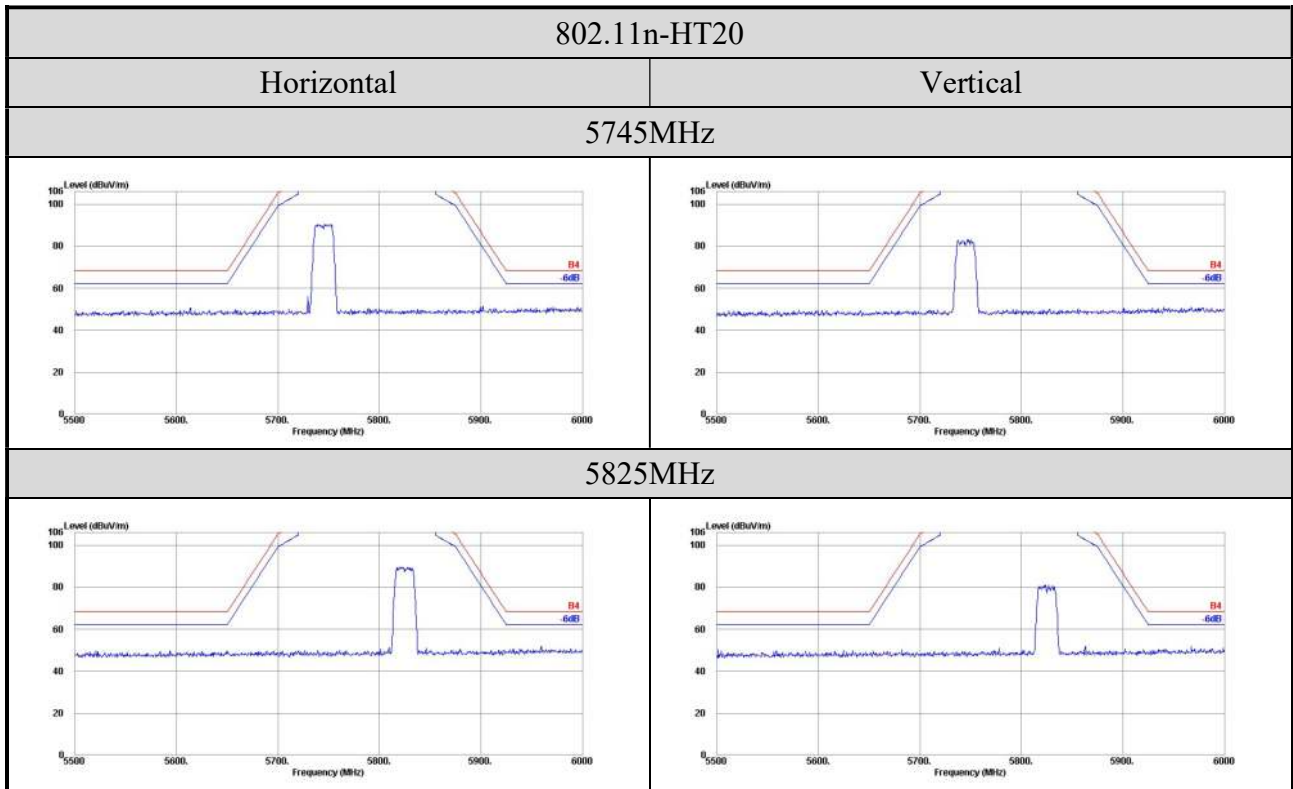
UNII Band IV

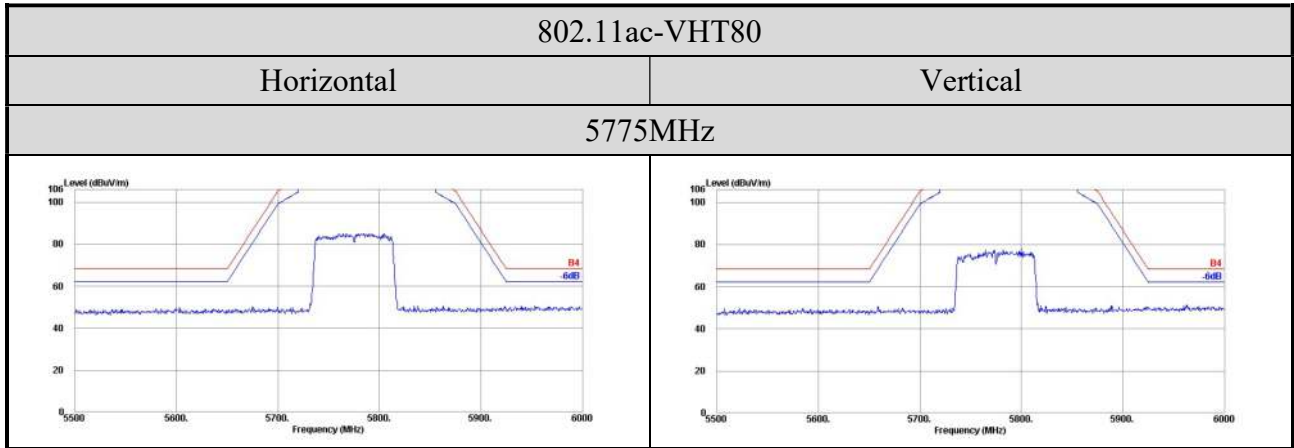


5. 頻帶邊緣之 RF 傳導發射之量測

測試日期	2020/06/30	環境溫/濕度	24°C/55%
測試人員	Brain Hsieh	測試電壓	DC 7.2V (透過鋰電池供電)
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0







6. 電波暴露量之量測

測試日期	2020/06/09	環境溫/濕度	25°C/53%
電纜損失	2.70dB	測試人員	Brain Hsieh
測試電壓	DC 7.2V (透過鋰電池供電)		

距離人體(r):	20	cm	
最大發射功率(P):	9.43	dBm	= 254.683 mW
最大天線增益(G):	-3.75	dBd	= 4.749 Numerical
MPE (S) = (P*G) / (4* π *r ²) =	0.2406		mW/cm ²
註：1. 最大發射功率系指5GHz各模式/頻道中最大之發射功率功率。			
2. 電磁波曝露量MPE標準值1mW/cm ² ，送測產品實測值為：0.2406mW/cm ²			