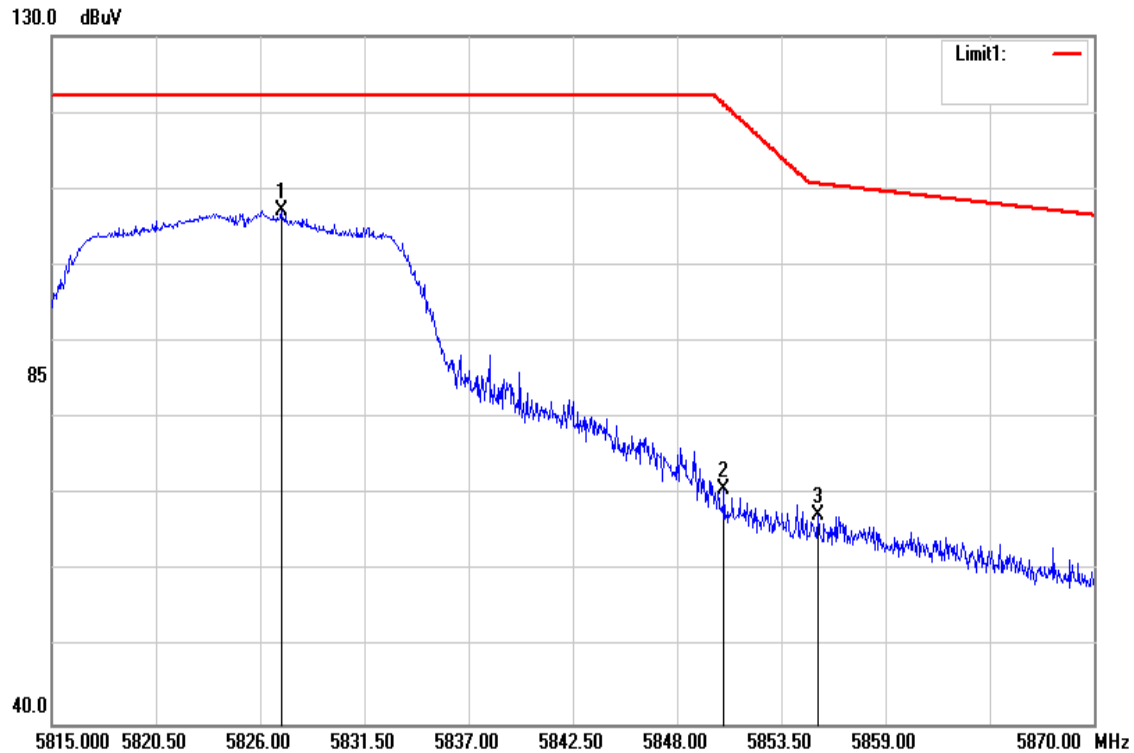


Report No.: T180522D10-RD4

Page: 161/239
Rev.: 00

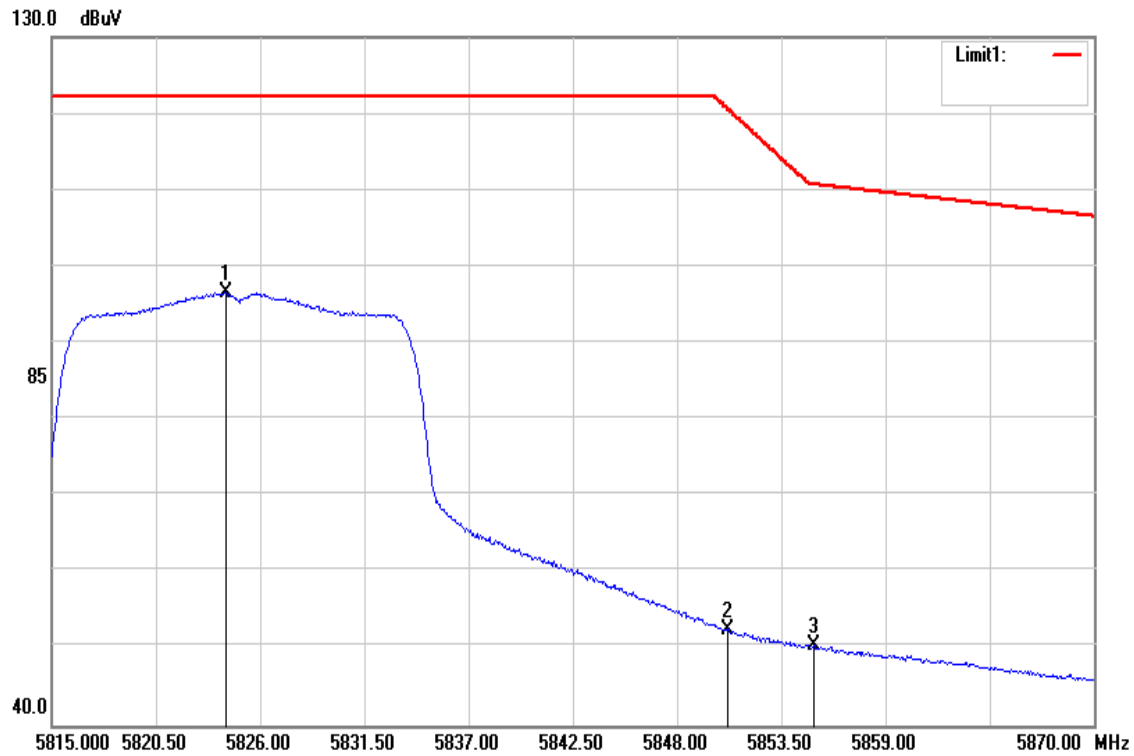
IEEE 802.11n HT20 Mode / 5825MHz

Detector mode: Peak



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5827.100	100.44	6.78	107.22	-	-	peak
2	5850.475	63.81	6.85	70.66	121.12	-50.46	peak
3	5855.453	60.38	6.86	67.24	110.67	-43.43	peak

Detector mode: Average



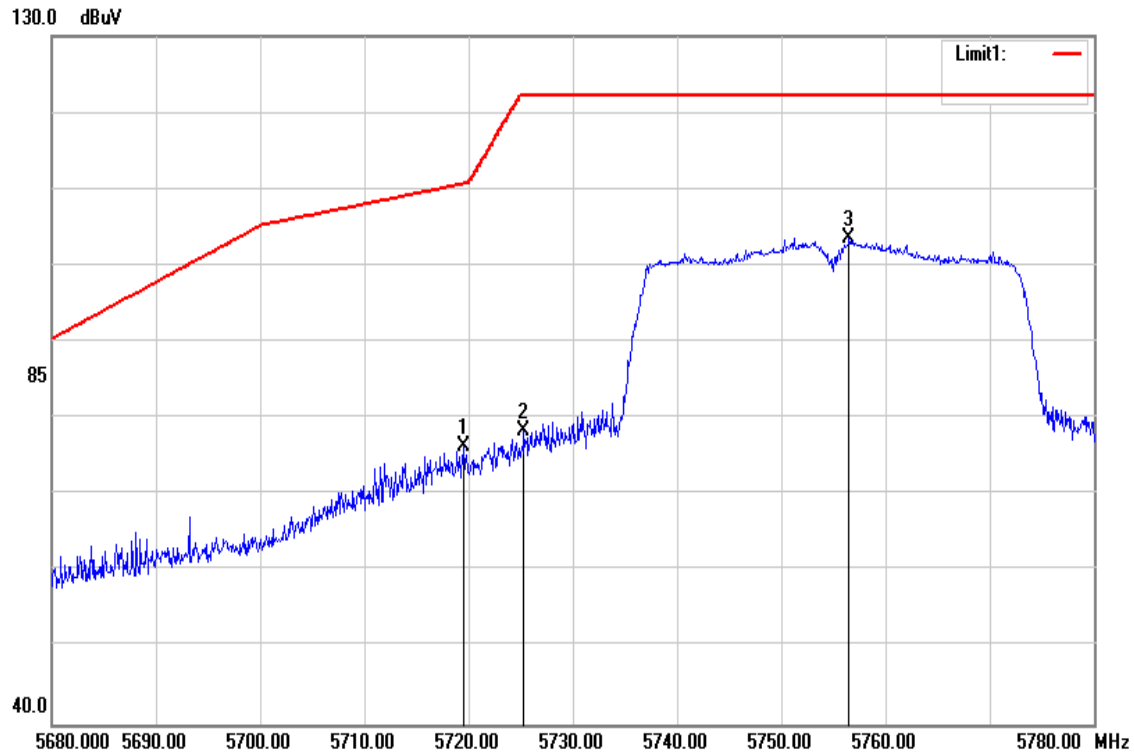
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5824.185	89.87	6.78	96.65	-	-	AVG
2	5850.695	45.74	6.85	52.59	120.62	-68.03	AVG
3	5855.205	43.61	6.86	50.47	110.74	-60.27	AVG

Report No.: T180522D10-RD4

Page: 163/239
Rev.: 00

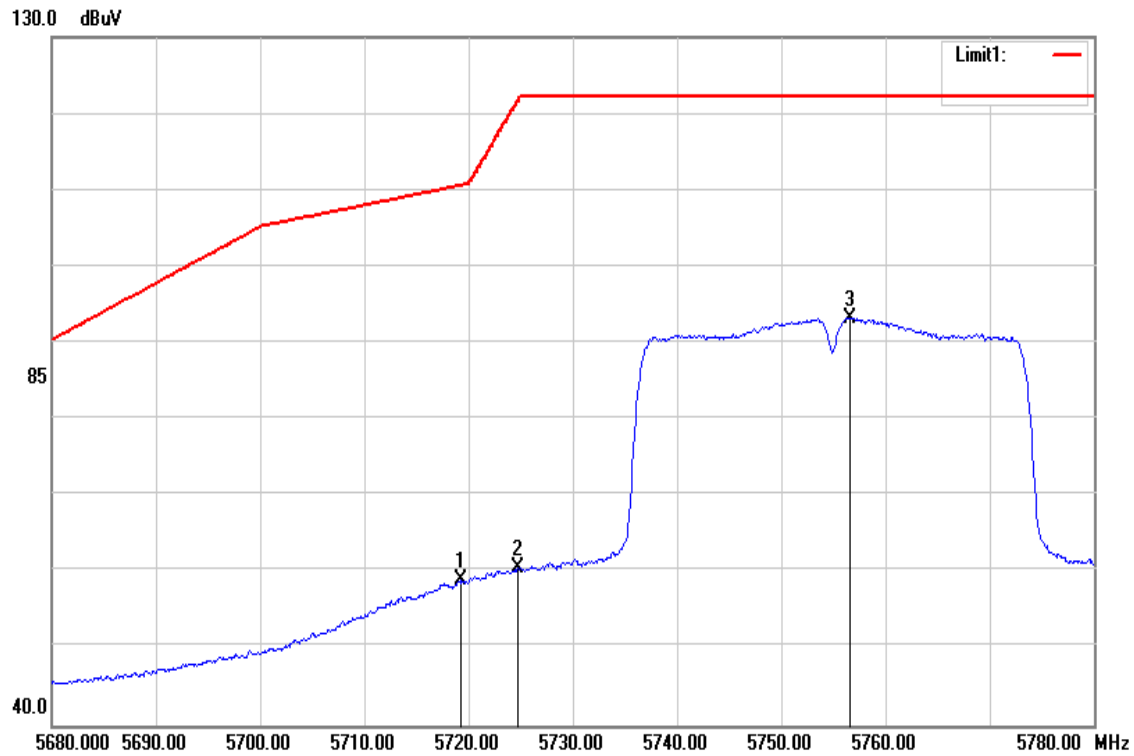
IEEE 802.11n HT40 Mode / 5755MHz

Detector mode: Peak



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5719.500	69.84	6.50	76.34	110.66	-34.32	peak
2	5725.300	71.87	6.52	78.39	122.20	-43.81	peak
3	5756.500	97.07	6.60	103.67	-	-	peak

Detector mode: Average



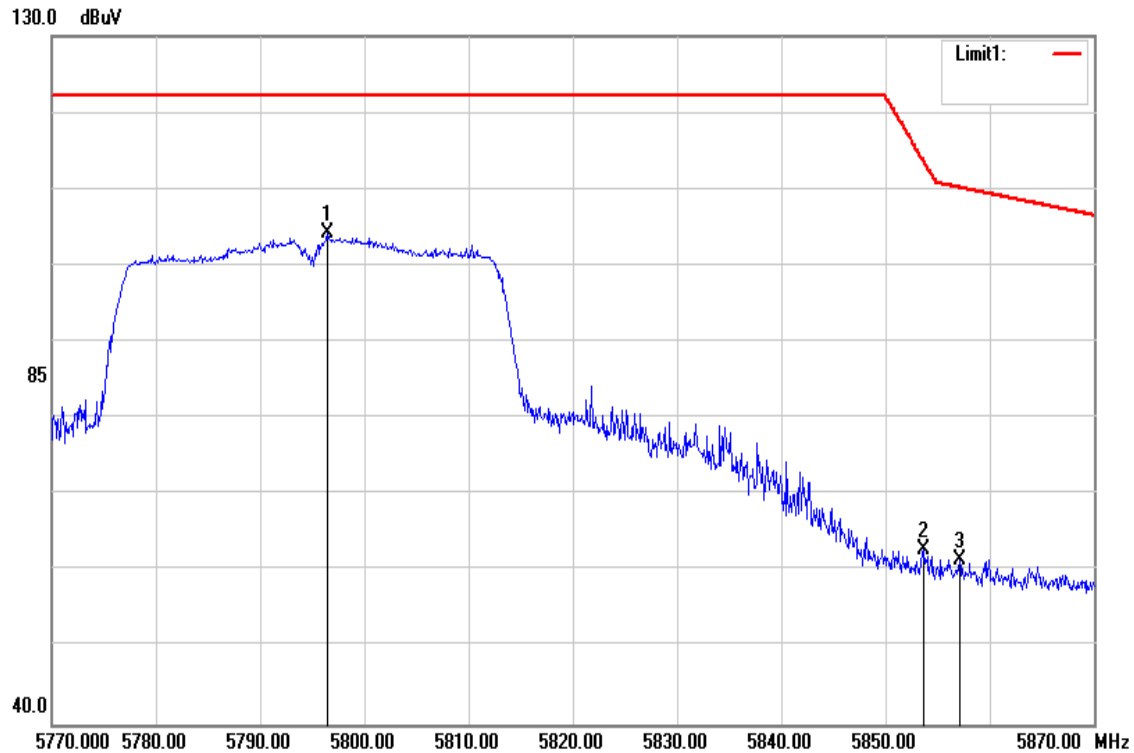
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5719.300	52.42	6.50	58.92	110.60	-51.68	AVG
2	5724.750	54.17	6.52	60.69	121.63	-60.94	AVG
3	5756.600	86.70	6.60	93.30	-	-	AVG

Report No.: T180522D10-RD4

Page: 165/239
Rev.: 00

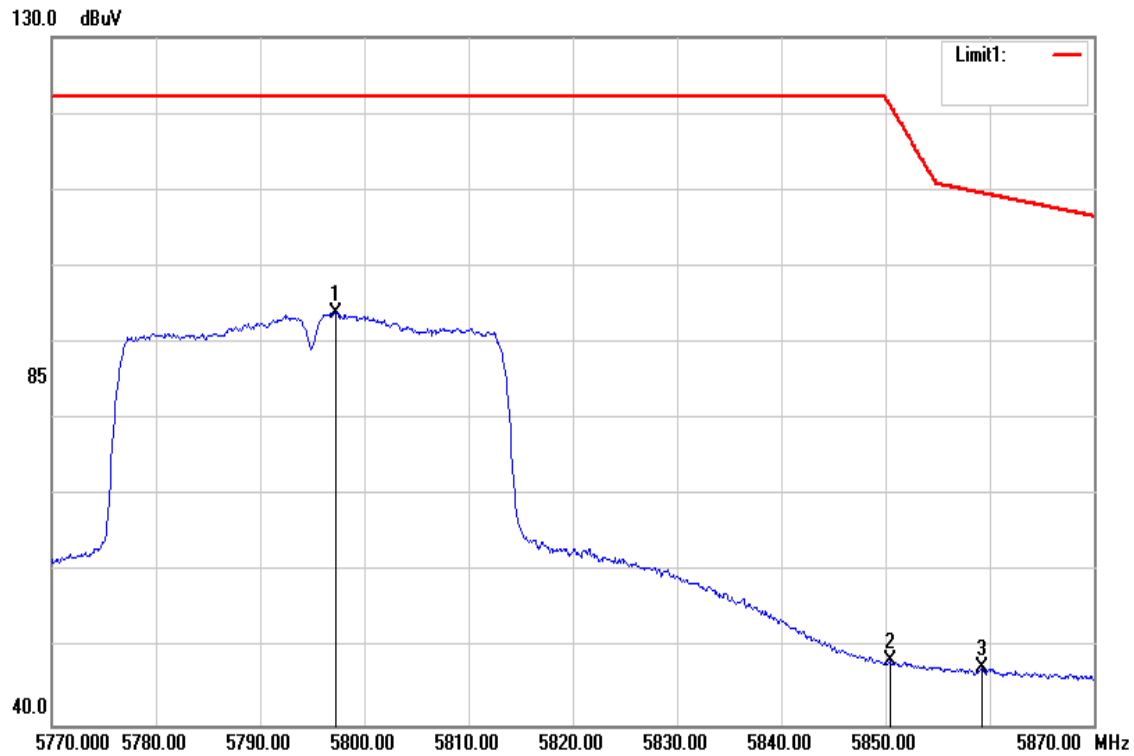
IEEE 802.11n HT40 Mode / 5795MHz

Detector mode: Peak



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5796.400	97.50	6.71	104.21	-	-	peak
2	5853.750	55.95	6.85	62.80	113.65	-50.85	peak
3	5857.100	54.73	6.86	61.59	110.21	-48.62	peak

Detector mode: Average



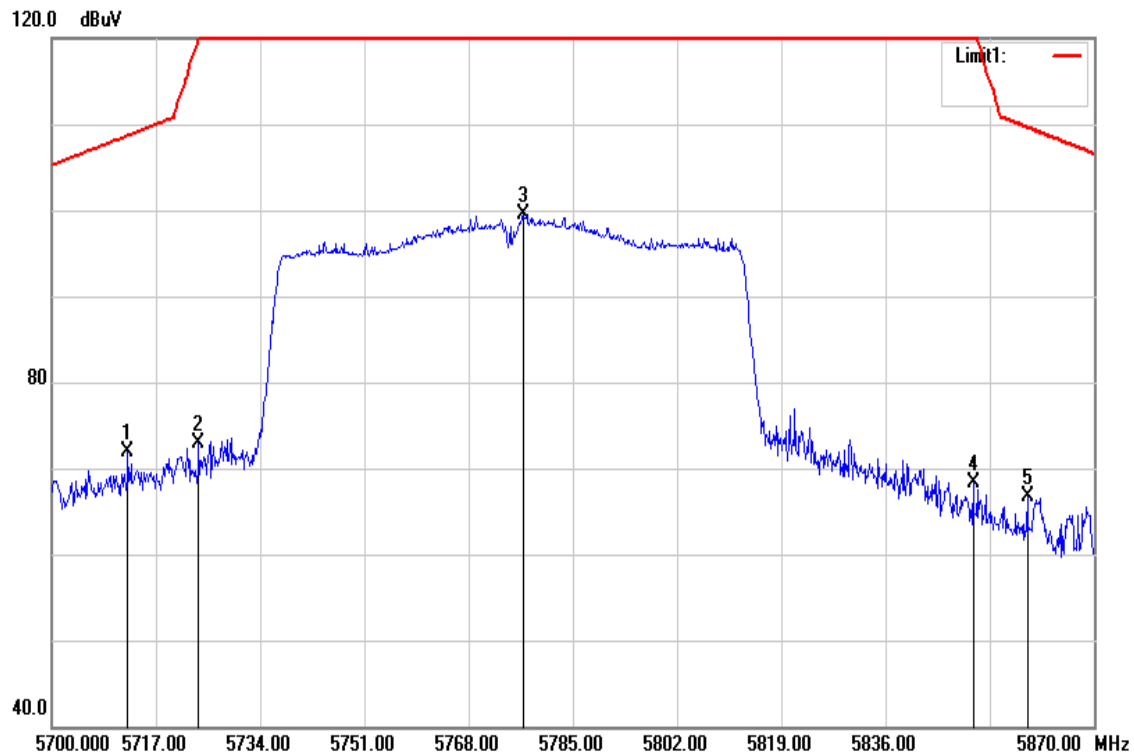
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5797.350	87.25	6.71	93.96	-	-	AVG
2	5850.500	41.49	6.85	48.34	121.06	-72.72	AVG
3	5859.300	40.73	6.87	47.60	109.60	-62.00	AVG

Report No.: T180522D10-RD4

Page: 167/239
Rev.: 00

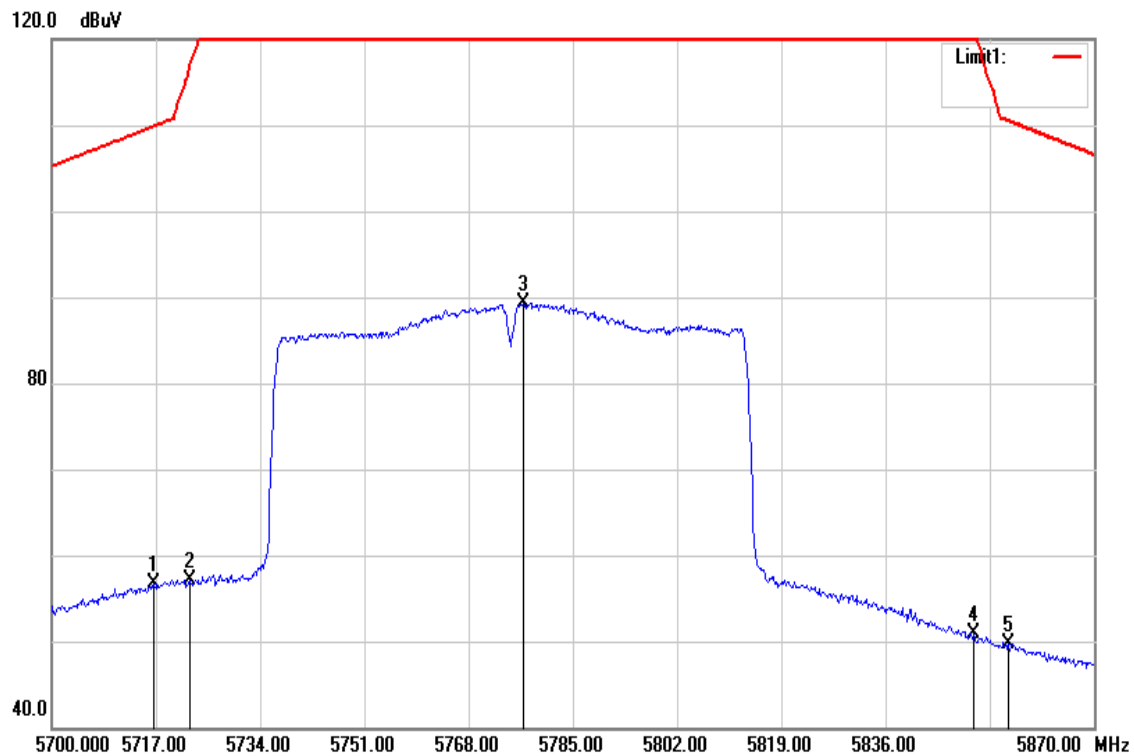
IEEE 802.11ac VHT 80 mode / 5775MHz

Detector mode: Peak



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5712.495	65.33	6.48	71.81	108.70	-36.89	peak
2	5723.970	66.32	6.52	72.84	119.85	-47.01	peak
3	5776.840	92.87	6.65	99.52	-	-	peak
4	5850.280	61.40	6.85	68.25	121.56	-53.31	peak
5	5859.205	59.91	6.87	66.78	109.62	-42.84	peak

Detector mode: Average



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5716.660	50.20	6.49	56.69	109.86	-53.17	AVG
2	5722.695	50.56	6.52	57.08	116.94	-59.86	AVG
3	5776.925	82.73	6.65	89.38	-	-	AVG
4	5850.450	43.96	6.85	50.81	121.17	-70.36	AVG
5	5856.060	42.88	6.86	49.74	110.50	-60.76	AVG

8 26dB 頻寬測試

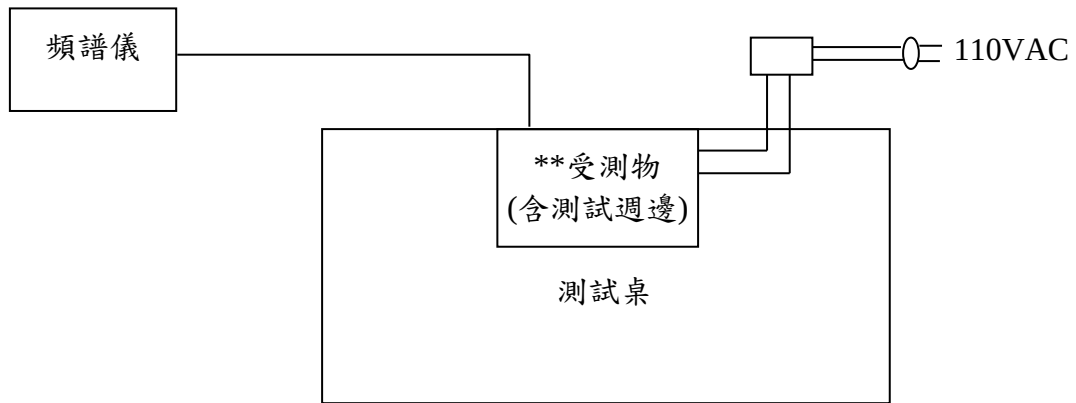
8.1 適用標準

對使用無線資訊傳輸設備低功率發射機，依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.3.4 節之規定實施 26dB 頻寬測試。

8.2 測試方法

測量時，頻譜分析儀之解析頻寬為 26dB 頻寬之 1% ~ 3%，視訊頻寬不小於解析頻寬。為求得精確測量，頻率掃描範圍(Span)遠大於解析頻寬。

8.3 發射頻寬之測試配置



註: **請參照 3.2 節

8.4 發射頻寬之量測結果

Band I

Test mode: IEEE 802.11a mode / Chain 0

Channel	Frequency (MHz)	Bandwidth (MHz)
36	5180	21.5217
44	5220	21.5942
48	5240	22.029

Test mode: IEEE 802.11n HT 20 mode / Chain 0

Channel	Frequency (MHz)	Bandwidth (MHz)
36	5180	22.1739
44	5220	21.8841
48	5240	22.3913

Test mode: IEEE 802.11n HT 40 mode / Chain 0

Channel	Frequency (MHz)	Bandwidth (MHz)
38	5190	40.928
46	5230	41.043

Test mode: IEEE 802.11ac VHT 80 mode / Chain 0

Channel	Frequency (MHz)	Bandwidth (MHz)
42	5210	82.087

Band II

Test mode: IEEE 802.11a mode / Chain 0

Channel	Frequency (MHz)	Bandwidth (MHz)
52	5260	21.6667
56	5280	21.7391
64	5320	21.5942

Test mode: IEEE 802.11n HT 20 mode / Chain 0

Channel	Frequency (MHz)	Bandwidth (MHz)
52	5260	21.7391
56	5280	21.8116
64	5320	22.3913

Test mode: IEEE 802.11n HT 40 mode / Chain 0

Channel	Frequency (MHz)	Bandwidth (MHz)
54	5270	41.507
62	5310	41.159

Test mode: IEEE 802.11ac VHT 80 mode / Chain 0

Channel	Frequency (MHz)	Bandwidth (MHz)
58	5290	81.855

Band III

Test mode: IEEE 802.11a mode / Chain 0

Channel	Frequency (MHz)	Bandwidth (MHz)
100	5500	21.7391
116	5580	21.5942
140	5700	21.7391

Test mode: IEEE 802.11n HT 20 mode / Chain 0

Channel	Frequency (MHz)	Bandwidth (MHz)
100	5500	22.1739
116	5580	21.6667
140	5700	22.1014

Test mode: IEEE 802.11n HT 40 mode / Chain 0

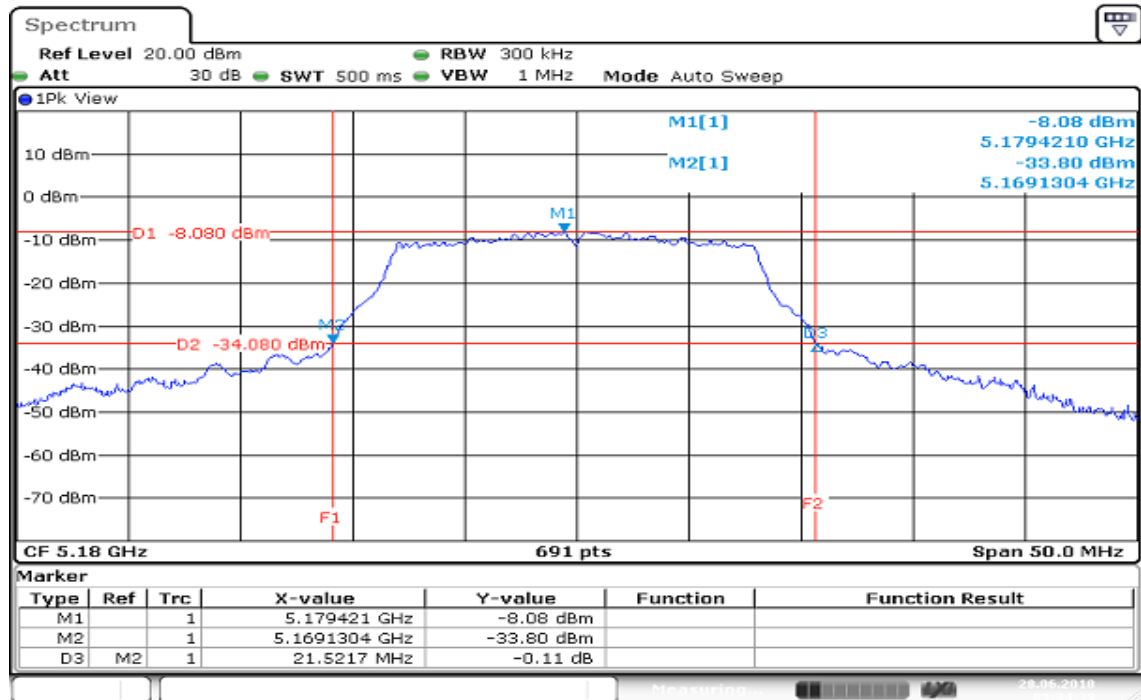
Channel	Frequency (MHz)	Bandwidth (MHz)
102	5510	41.159
110	5550	41.739
134	5670	41.275

Test mode: IEEE 802.11ac VHT 80 mode / Chain 0

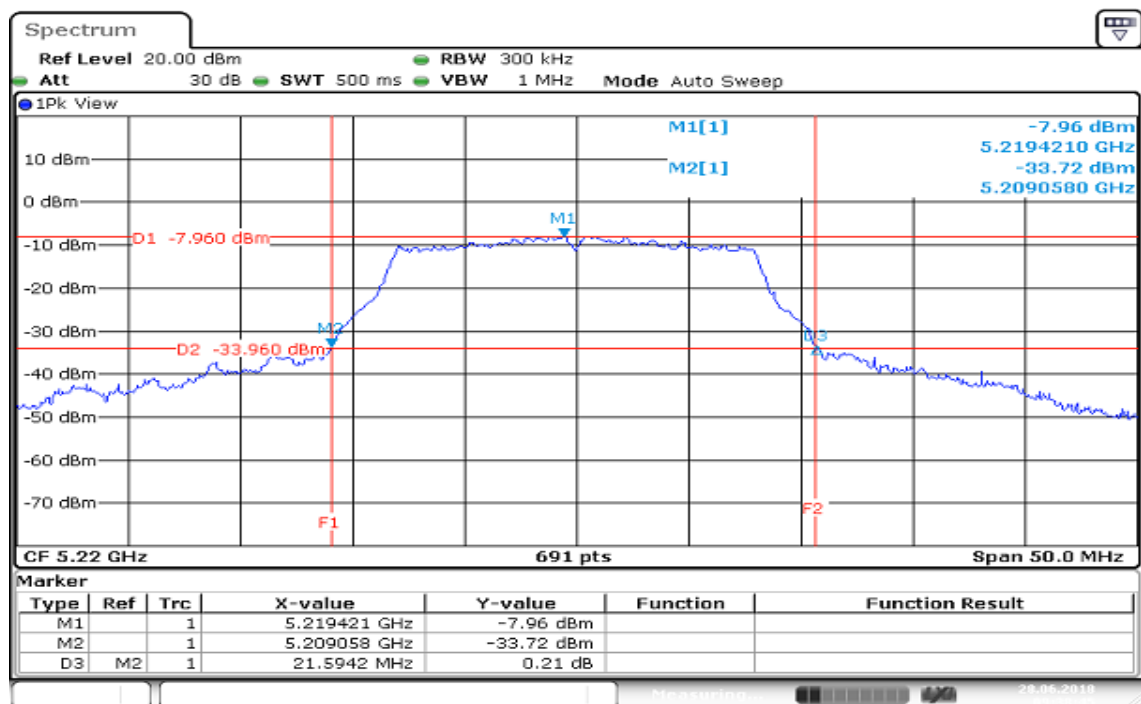
Channel	Frequency (MHz)	Bandwidth (MHz)
106	5530	82.319

Band I

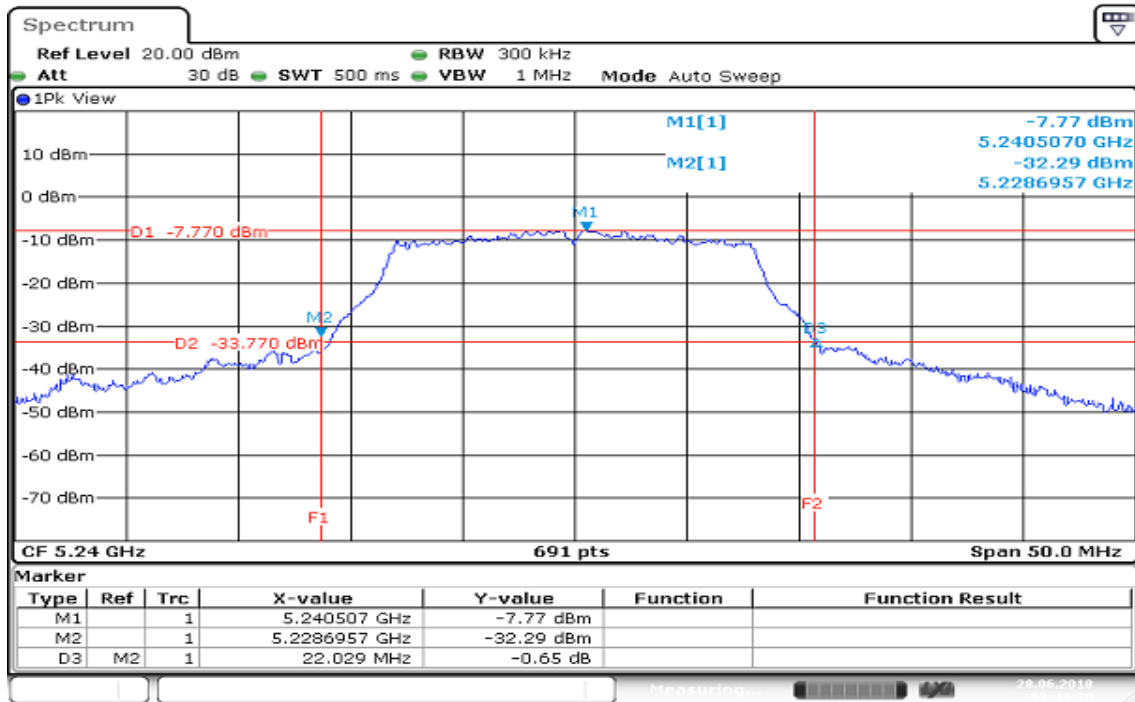
發射頻寬量測值 IEEE 802.11a Mode / 5180MHz / Chain 0



發射頻寬量測值 IEEE 802.11a Mode / 5220MHz / Chain 0

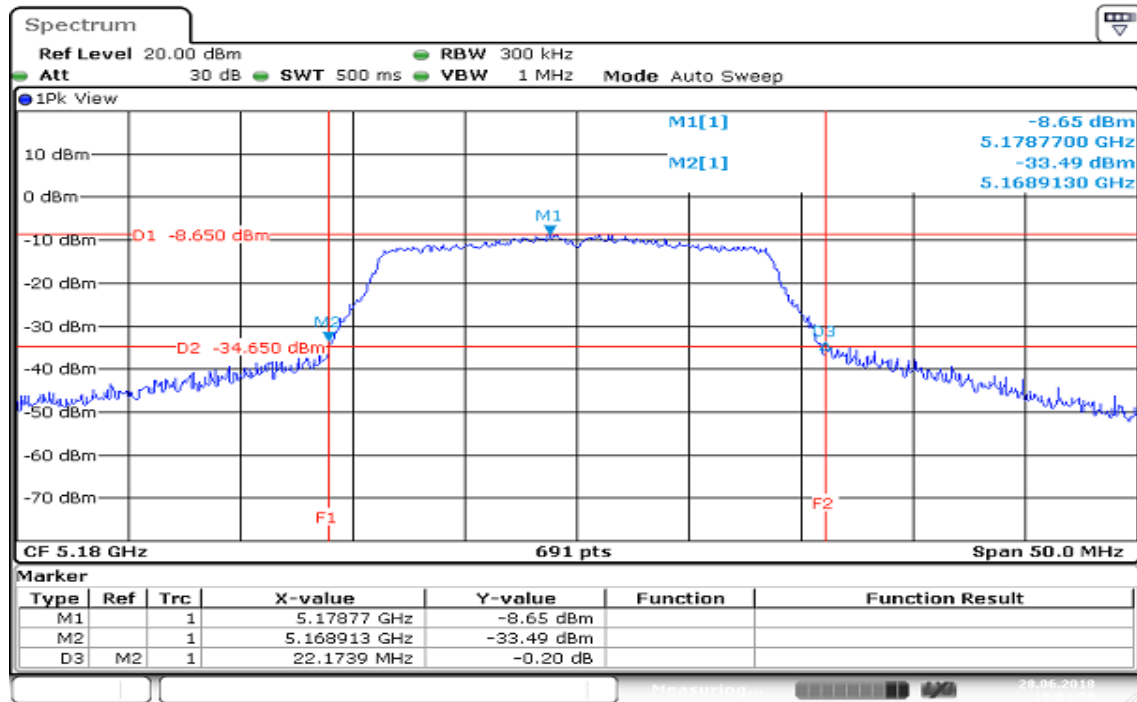


發射頻寬量測值 IEEE 802.11a Mode / 5240MHz / Chain 0



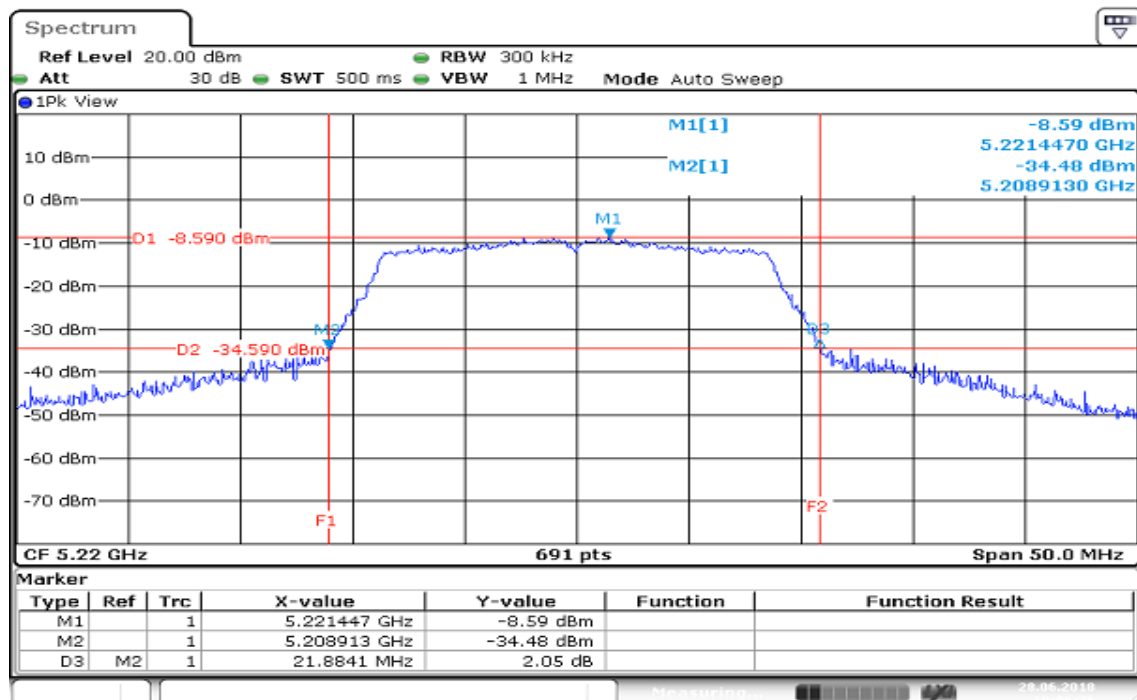
Date: 28.JUN.2018 09:40:30

發射頻寬量測值 IEEE 802.11n HT20 Mode / 5180MHz / Chain 0



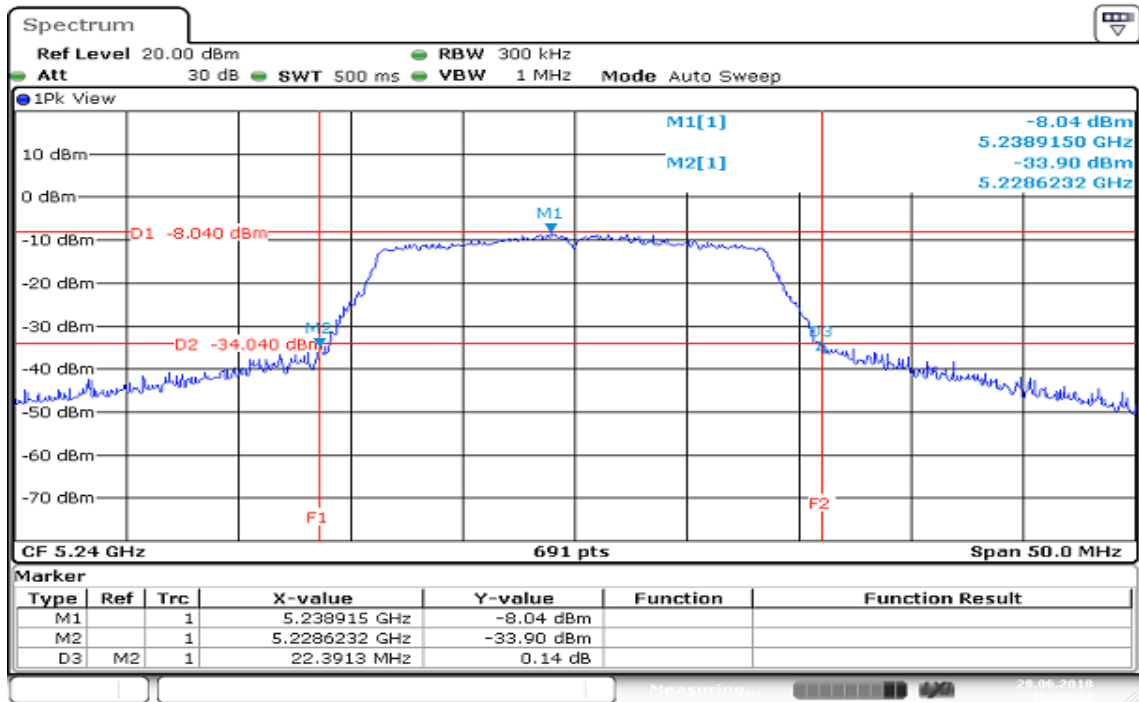
Date: 28.JUN.2018 10:04:30

發射頻寬量測值 IEEE 802.11n HT20 Mode / 5220MHz / Chain 0



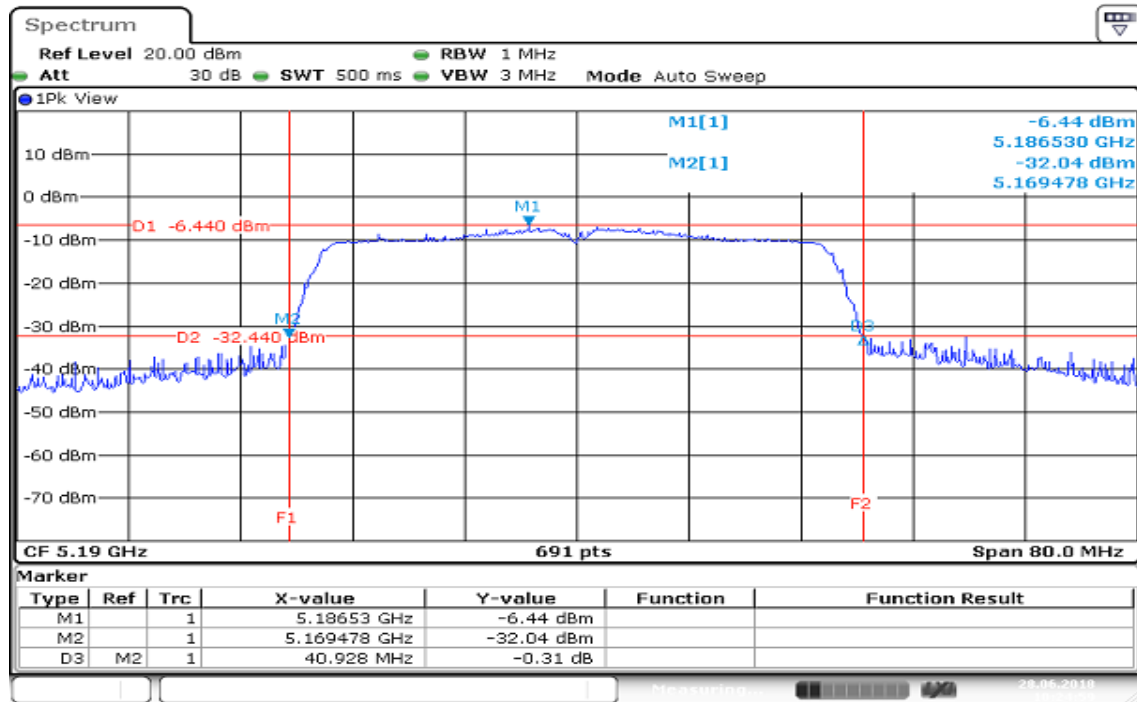
Date: 28.JUN.2018 10:06:36

發射頻寬量測值 IEEE 802.11n HT20 Mode / 5240MHz / Chain 0

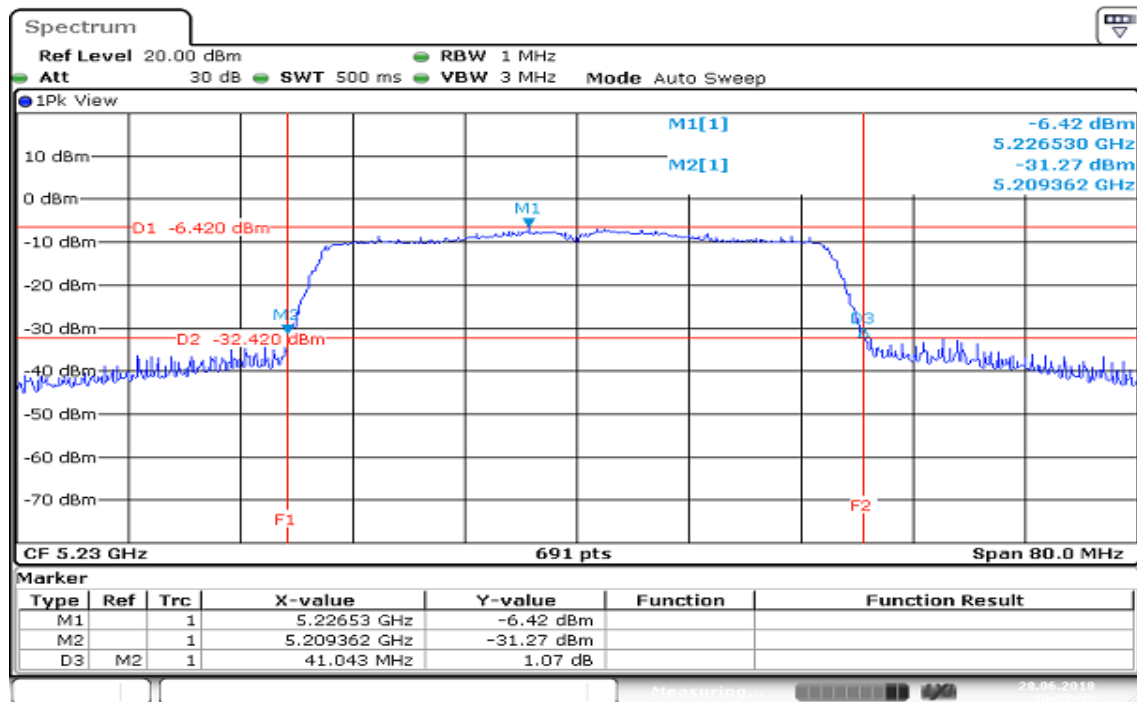


Date: 28.JUN.2018 10:08:31

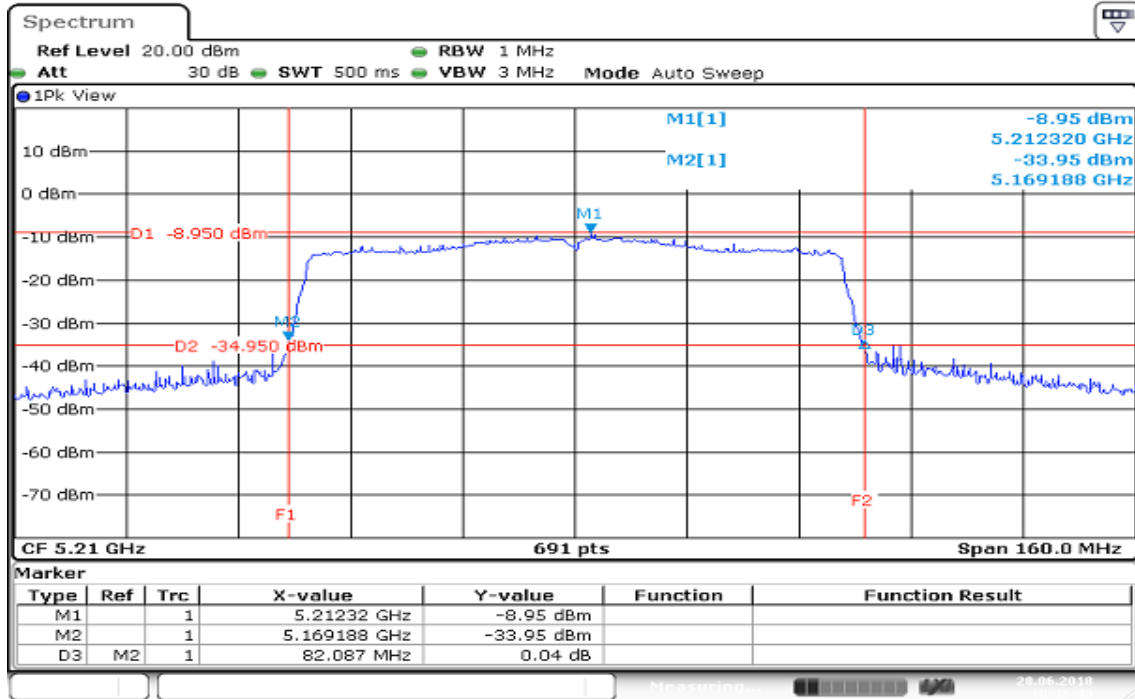
發射頻寬量測值 IEEE 802.11n HT40 Mode / 5190MHz / Chain 0



發射頻寬量測值 IEEE 802.11n HT40 Mode / 5230MHz / Chain 0



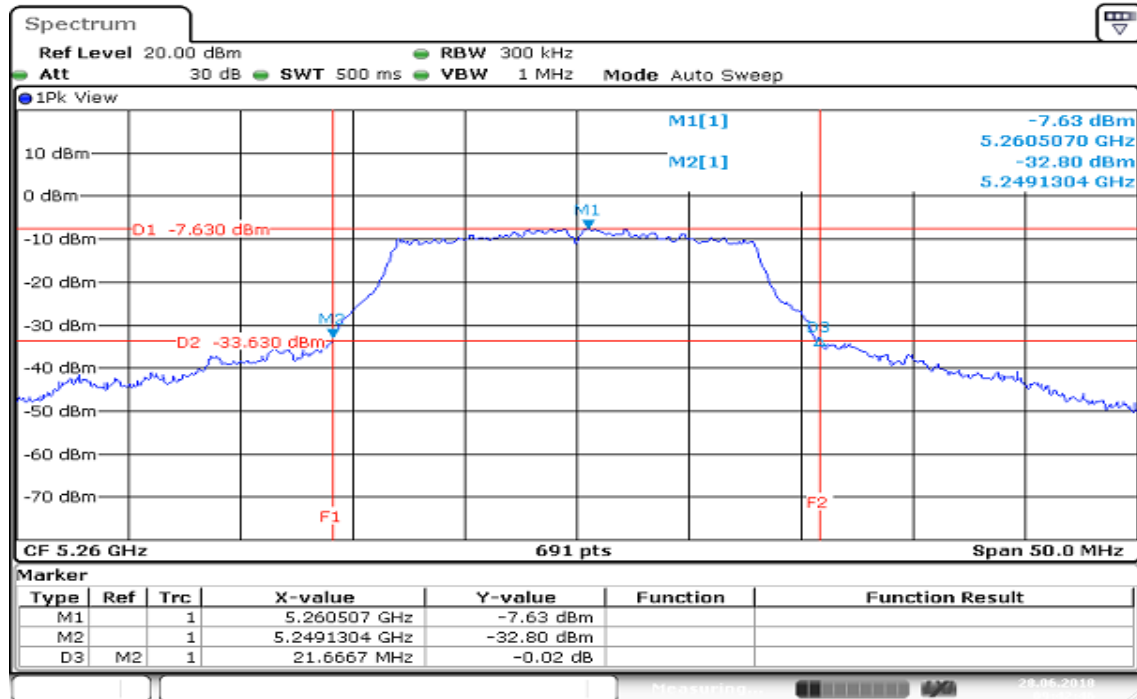
發射頻寬量測值 IEEE 802.11ac VHT 80 Mode / 5210MHz / Chain 0



Date: 28.JUN.2018 10:46:49

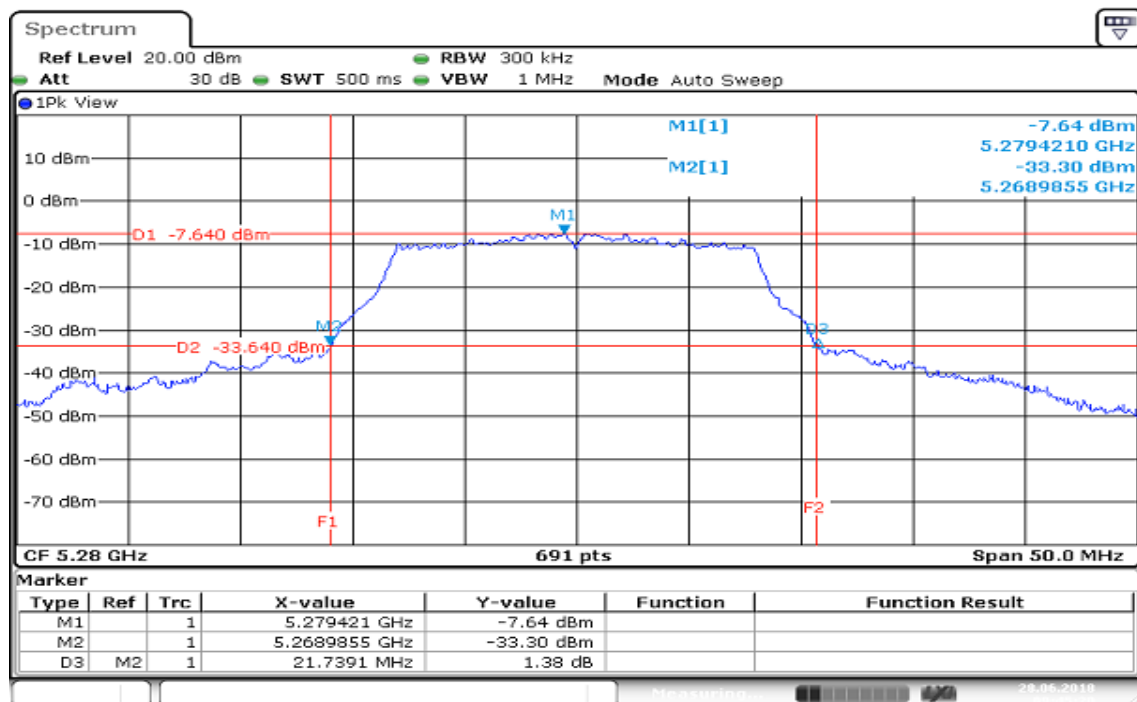
Band II

發射頻寬量測值 IEEE 802.11a Mode / 5260MHz / Chain 0



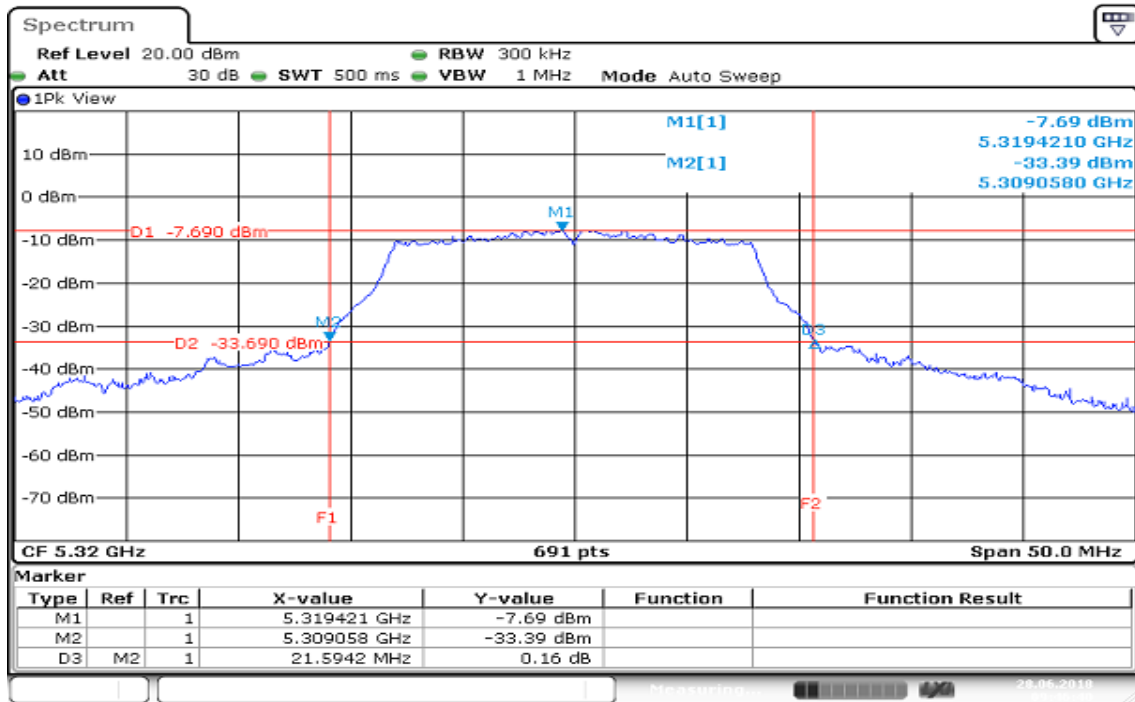
Date: 28.JUN.2018 09:42:46

發射頻寬量測值 IEEE 802.11a Mode / 5280MHz / Chain 0



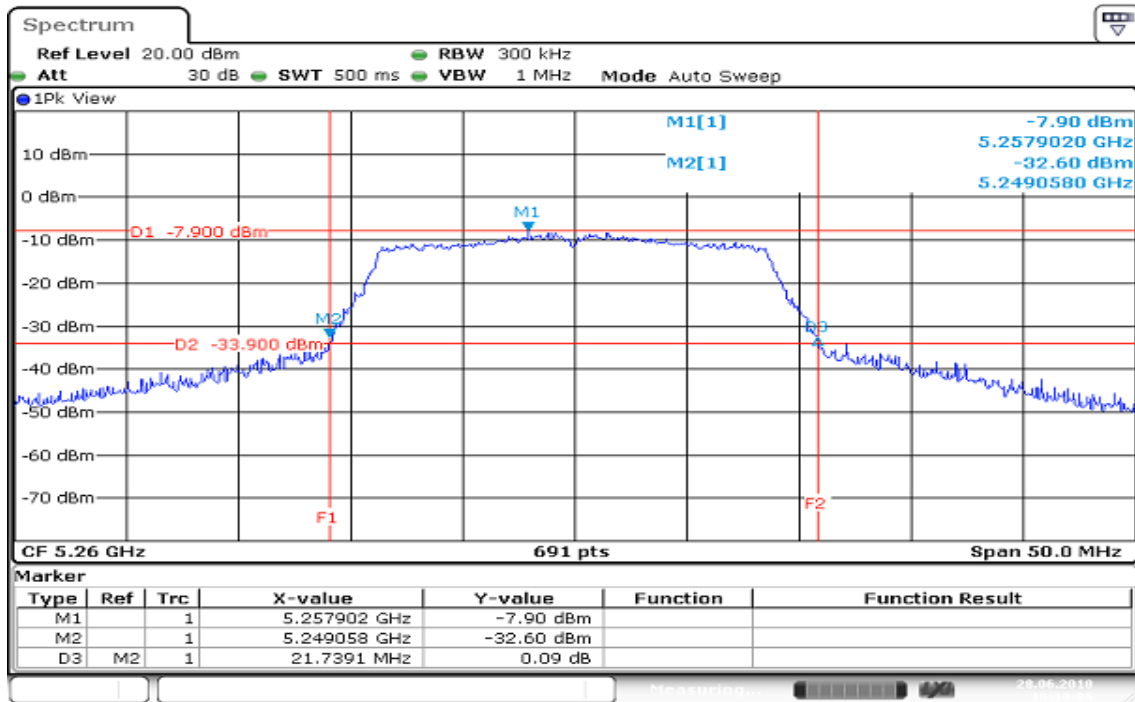
Date: 28.JUN.2018 09:45:20

發射頻寬量測值 IEEE 802.11a Mode / 5320MHz / Chain 0



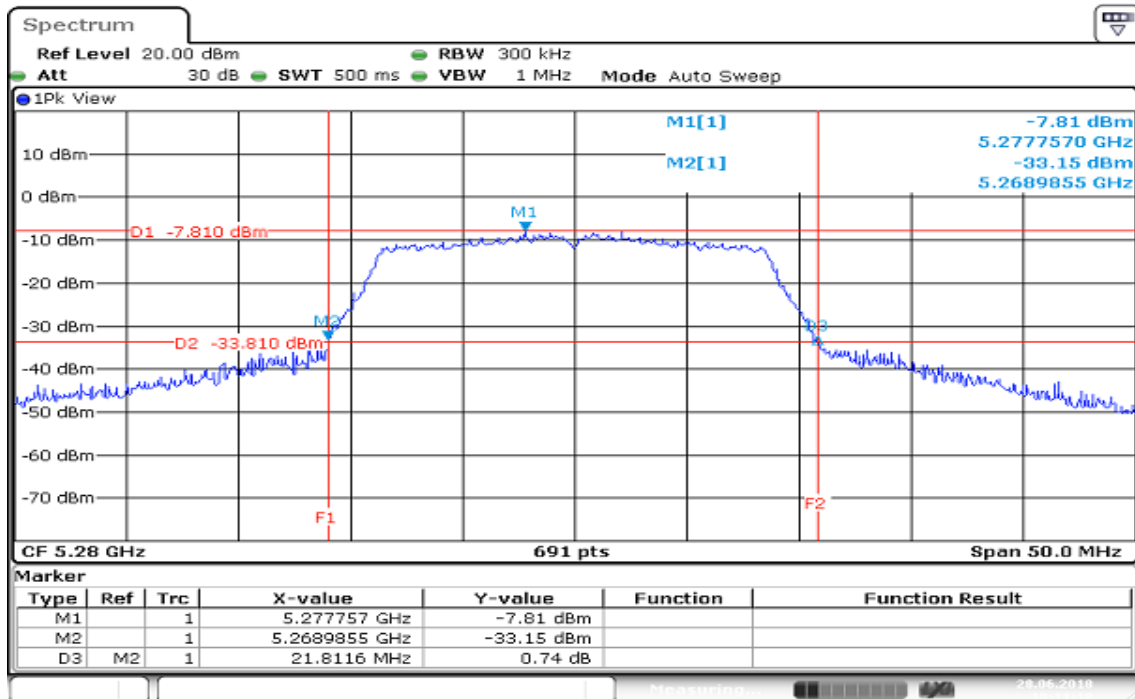
Date: 28.JUN.2018 09:46:40

發射頻寬量測值 IEEE 802.11n HT20 Mode / 5260MHz / Chain 0



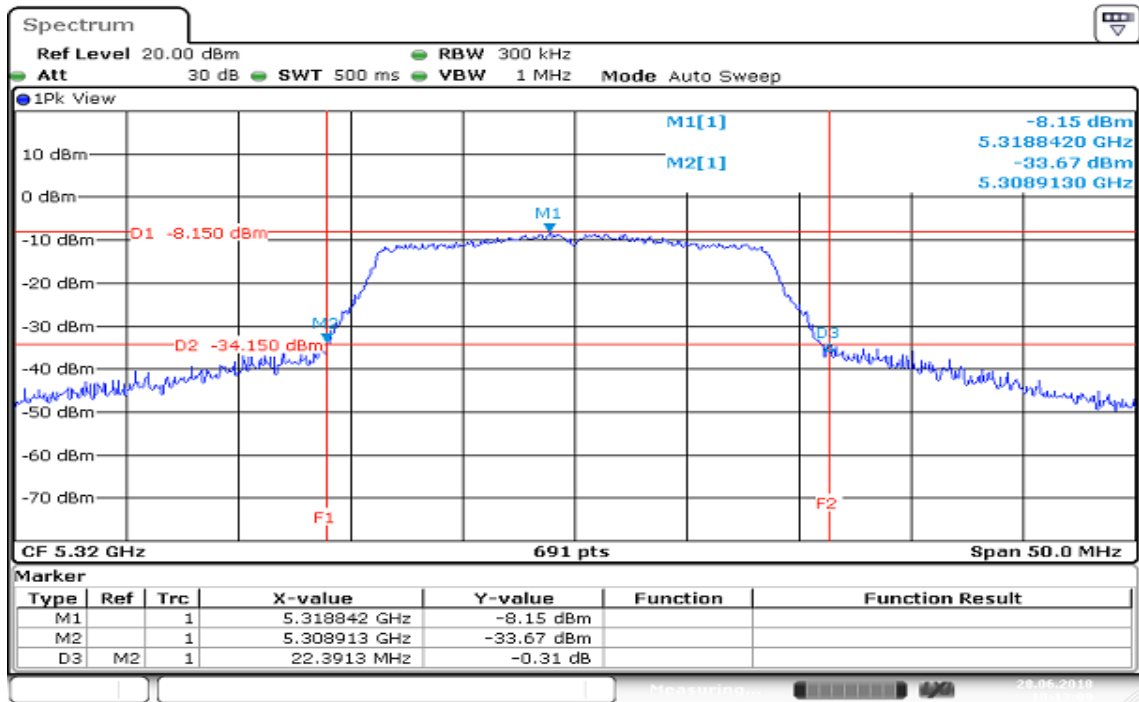
Date: 28.JUN.2018 10:10:06

發射頻寬量測值 IEEE 802.11n HT20 Mode / 5280MHz / Chain 0



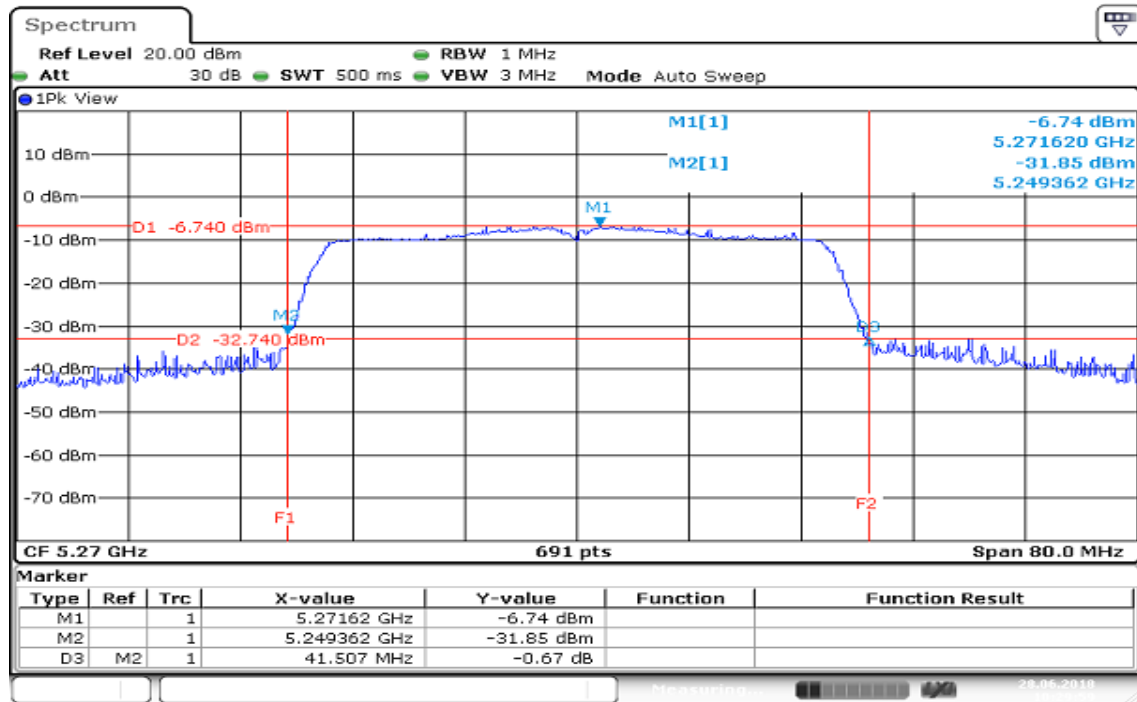
Date: 28.JUN.2018 10:11:18

發射頻寬量測值 IEEE 802.11n HT20 Mode / 5320MHz / Chain 0



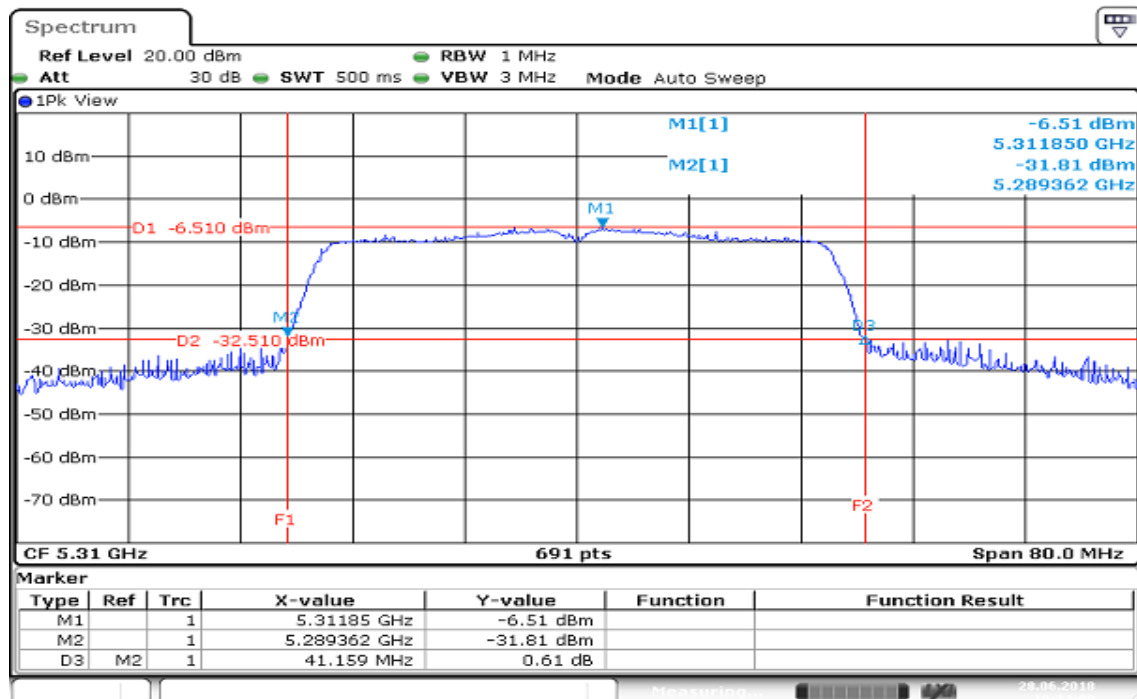
Date: 28.JUN.2018 10:13:09

發射頻寬量測值 IEEE 802.11n HT40 Mode / 5270MHz / Chain 0



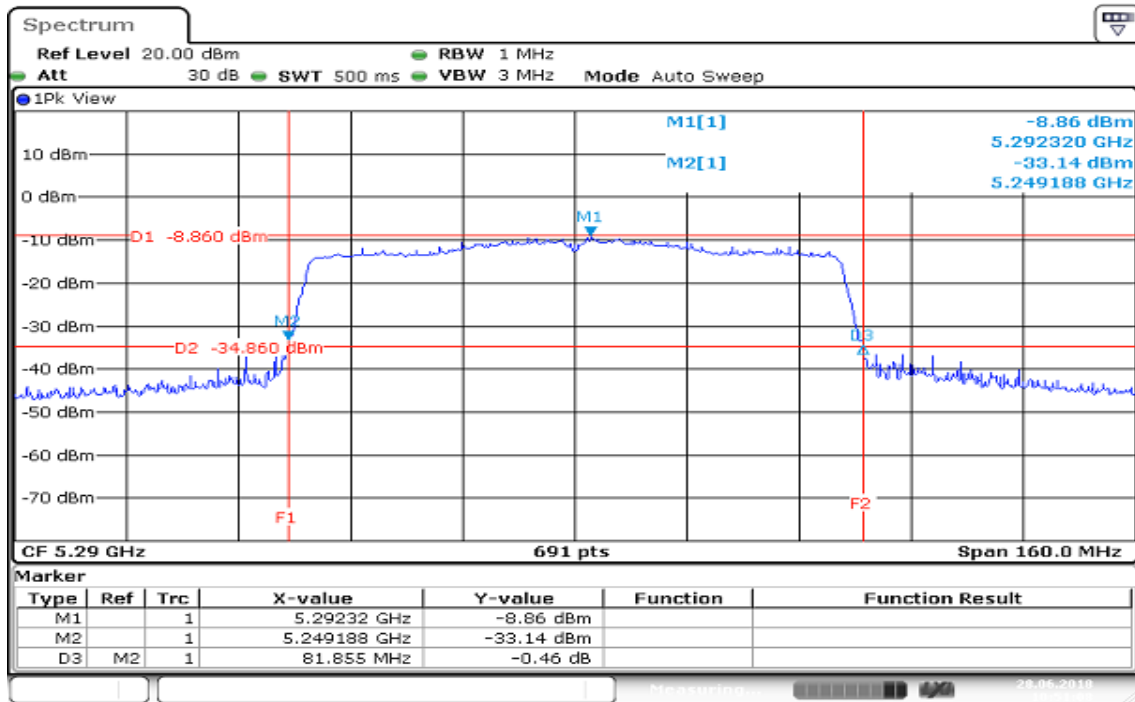
Date: 28.JUN.2018 10:29:58

發射頻寬量測值 IEEE 802.11n HT40 Mode / 5310MHz / Chain 0



Date: 28.JUN.2018 10:34:00

發射頻寬量測值 IEEE 802.11ac VHT 80 Mode / 5290MHz / Chain 0

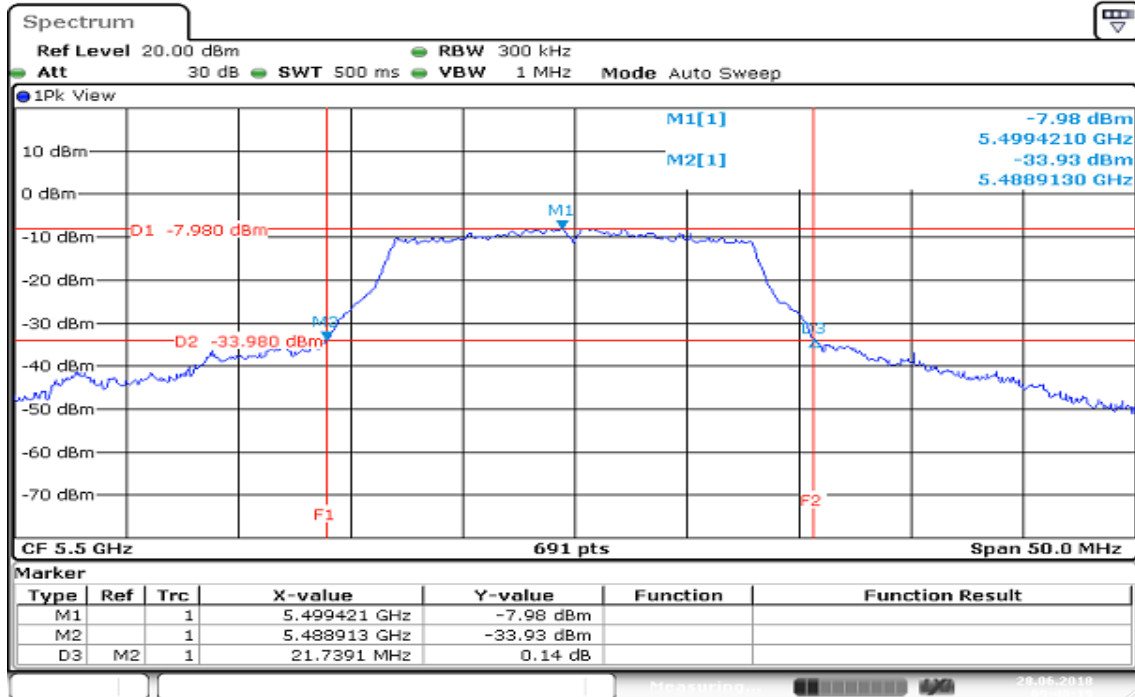


Date: 28.JUN.2018 10:51:08

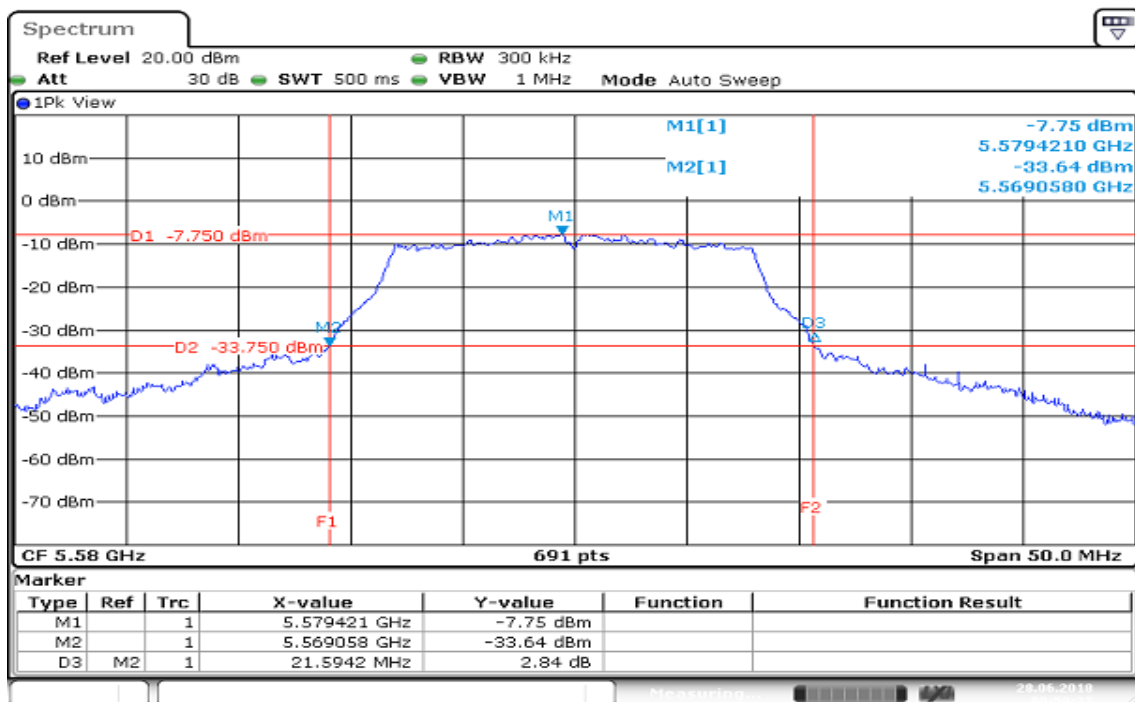
Report No.: T180522D10-RD4

Band III

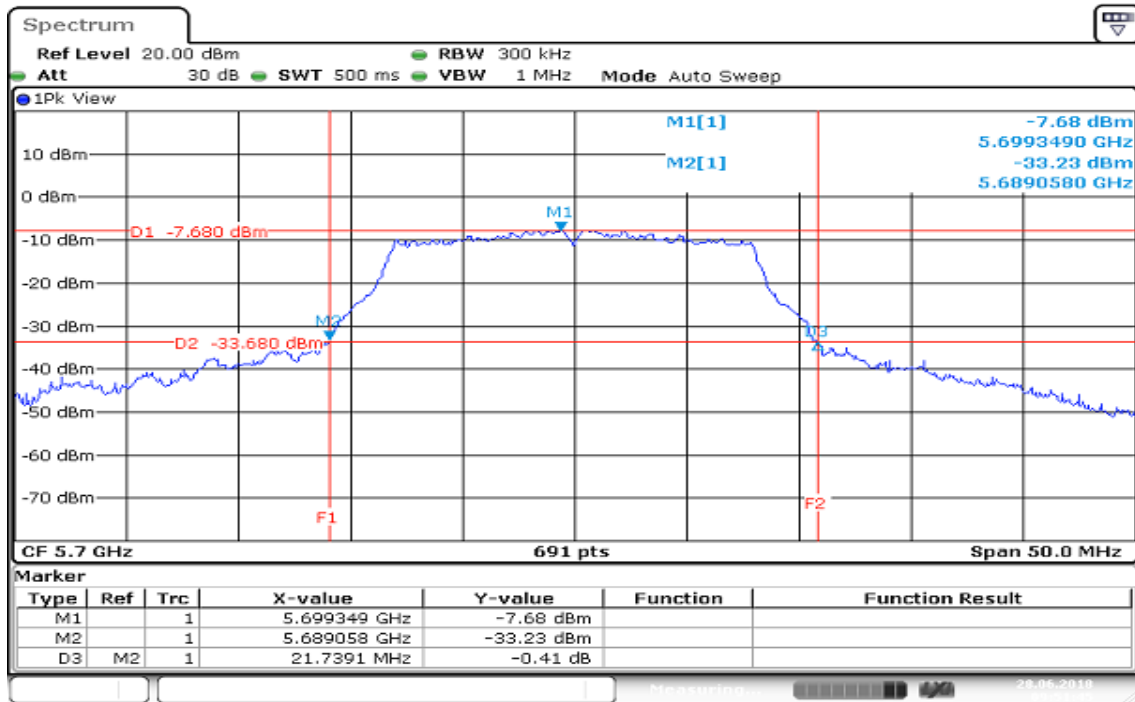
發射頻寬量測值 IEEE 802.11a Mode / 5500 MHz / Chain 0



發射頻寬量測值 IEEE 802.11a Mode / 5580 MHz / Chain 0

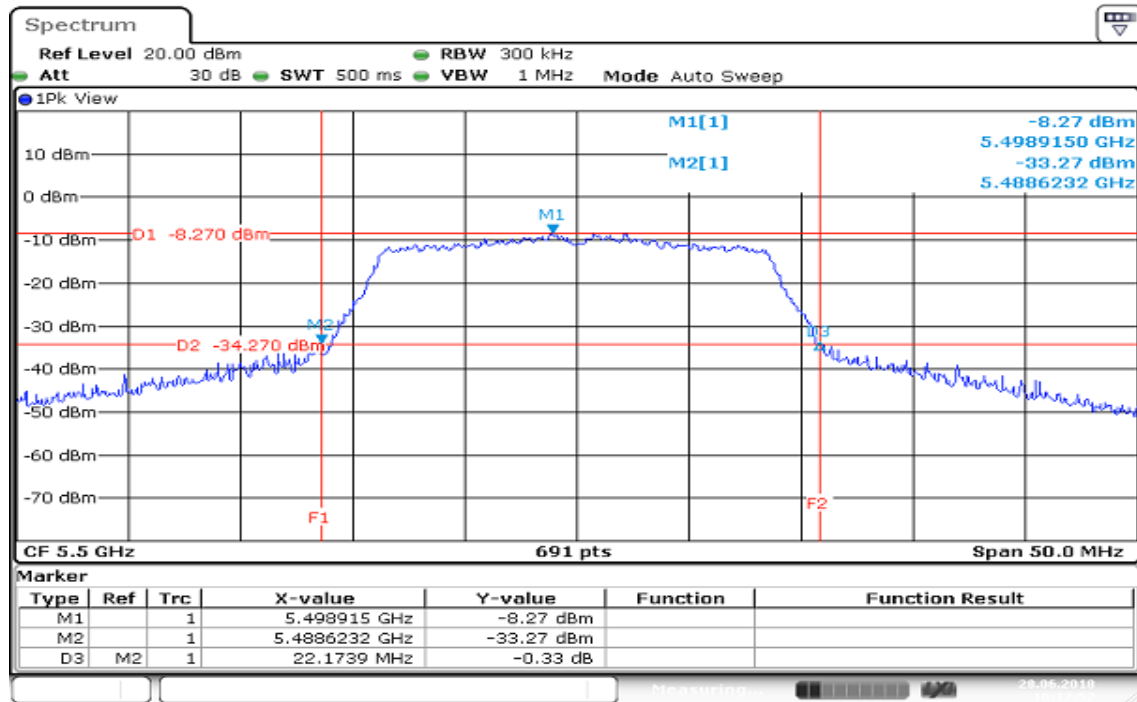


發射頻寬量測值 IEEE 802.11a Mode / 5700 MHz / Chain 0



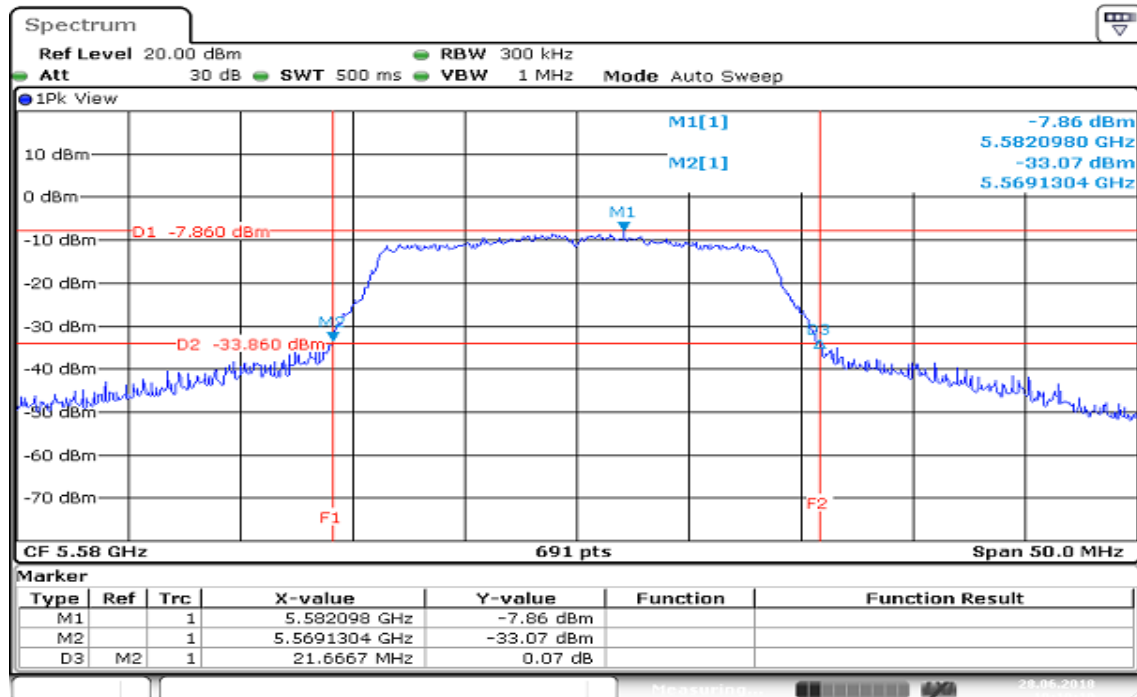
Date: 28.JUN.2018 09:51:45

發射頻寬量測值 IEEE 802.11n HT20 Mode / 5500MHz / Chain 0



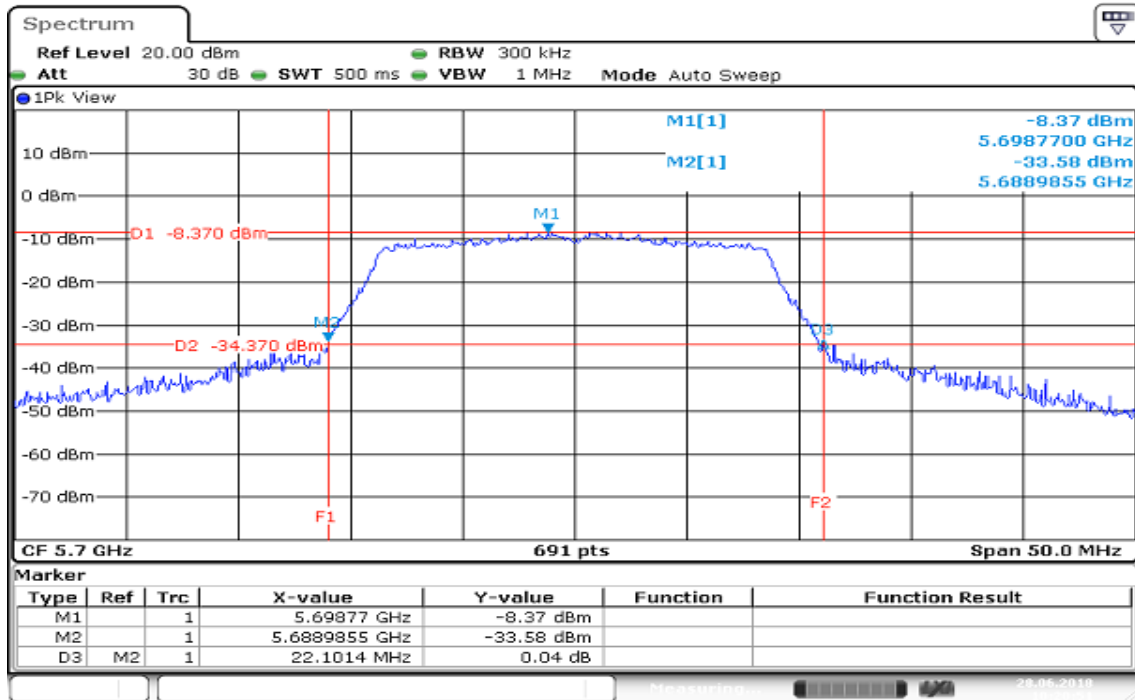
Date: 28.JUN.2018 10:17:52

發射頻寬量測值 IEEE 802.11n HT20 Mode / 5580MHz / Chain 0



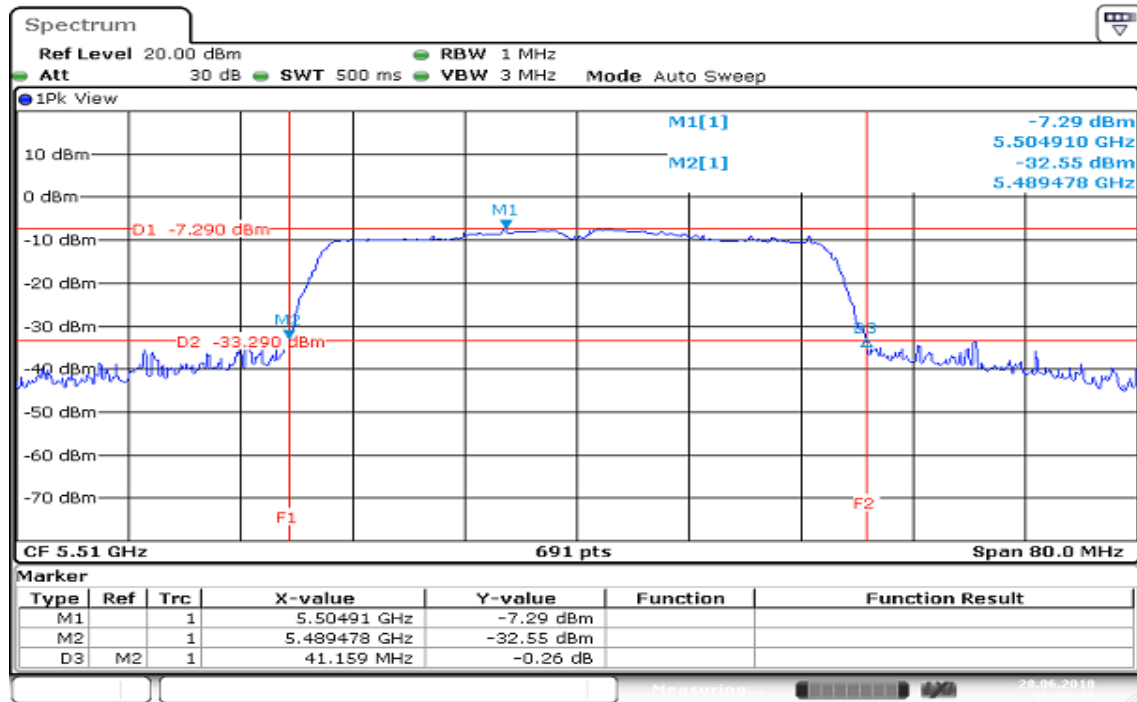
Date: 28.JUN.2018 10:19:19

發射頻寬量測值 IEEE 802.11n HT20 Mode / 5700MHz / Chain 0



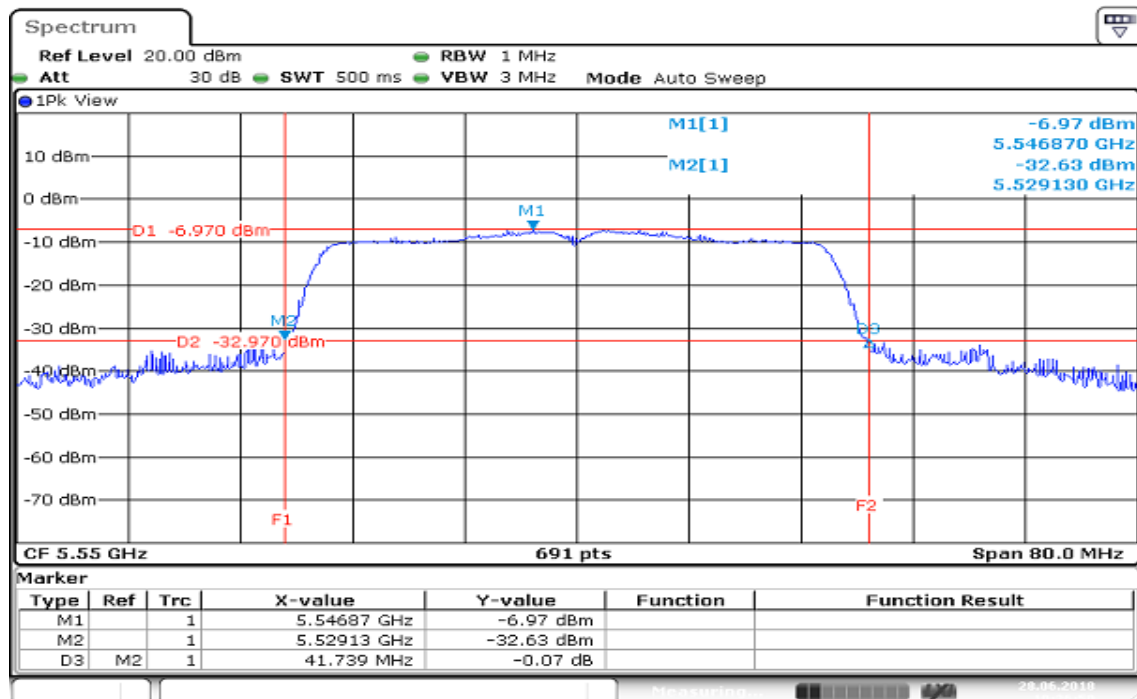
Date: 28.JUN.2018 10:20:51

發射頻寬量測值 IEEE 802.11n HT40 Mode / 5510MHz / Chain 0



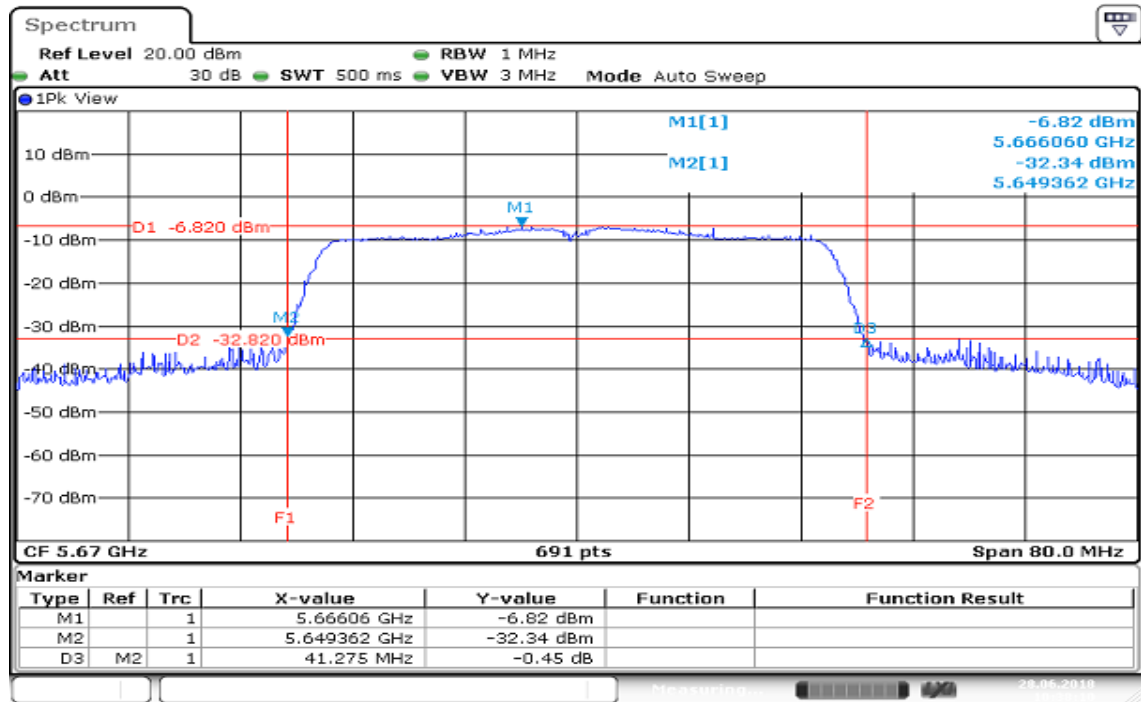
Date: 28.JUN.2018 10:35:20

發射頻寬量測值 IEEE 802.11n HT40 Mode / 5550MHz / Chain 0



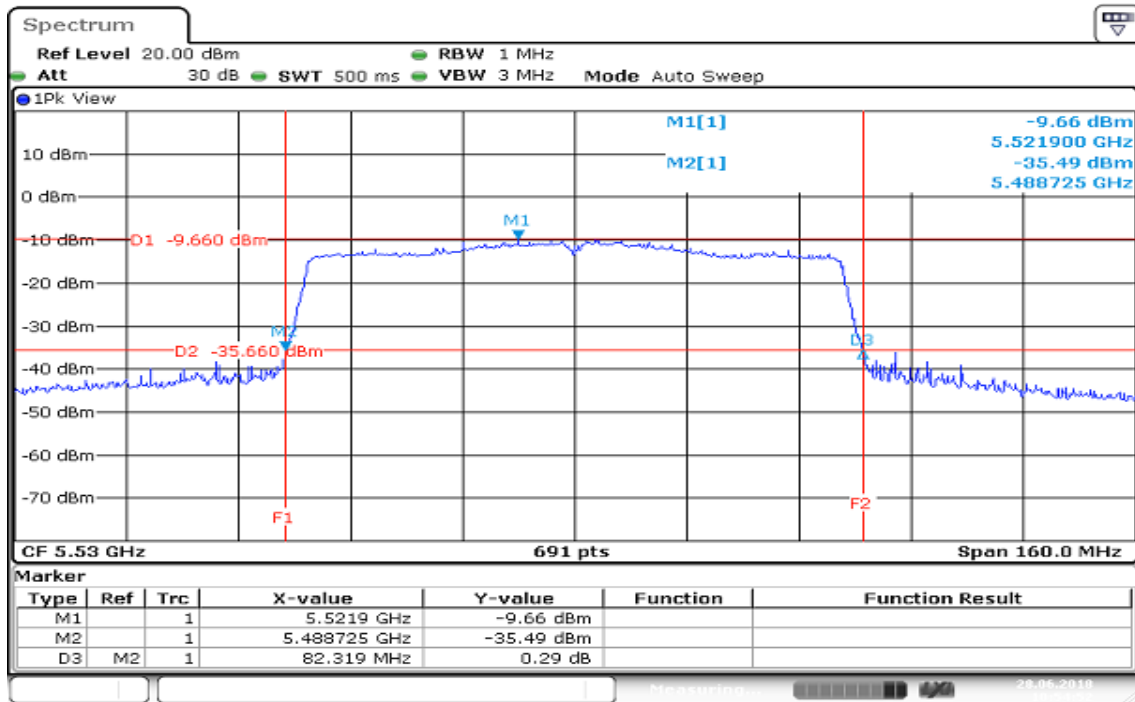
Date: 28.JUN.2018 10:36:50

發射頻寬量測值 IEEE 802.11n HT40 Mode / 5670MHz / Chain 0



Date: 28.JUN.2018 10:38:10

發射頻寬量測值 IEEE 802.11ac VHT 80 Mode / 5530MHz / Chain 0



Date: 28.JUN.2018 10:54:51

9 發射頻寬之要求

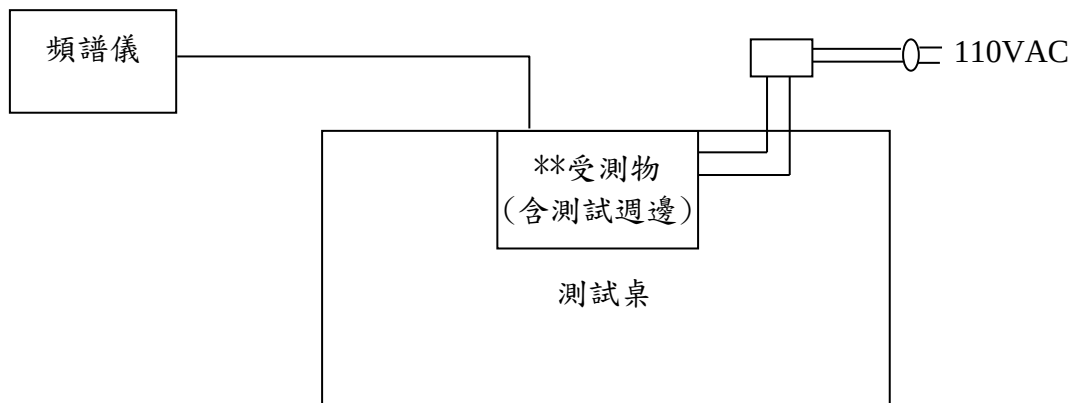
9.1 適用標準

對使用數位調變技術之低功率發射機，依據國家通訊傳播委員會低功率射頻電機技術規範4.7.5之規定，6dB之頻寬至少應有500kHz。

9.2 測試方法

測量時，頻譜分析儀之解析頻寬不小於99% Bandwidth之1%頻寬，視訊頻寬不小於解析頻寬。為求得精確測量，頻率掃描範圍(Span)遠大於解析頻寬。

9.3 測試配置



註: **請參照 3.2 節

9.4 發射頻寬之量測結果

Test Mode: IEEE 802.11a Mode / Chain 0

頻道	頻率 (MHz)	頻寬讀值 (MHz)	限制值 (kHz)	測試結果
Low	5745	16.3043	>500	PASS
Mid	5785	16.3043		PASS
High	5825	16.3478		PASS

Test mode: IEEE 802.11n HT 20 mode / Chain 0

頻道	頻率 (MHz)	頻寬讀值 (MHz)	限制值 (kHz)	測試結果
Low	5745	17.2609	>500	PASS
Mid	5785	17.5652		PASS
High	5825	17.5652		PASS

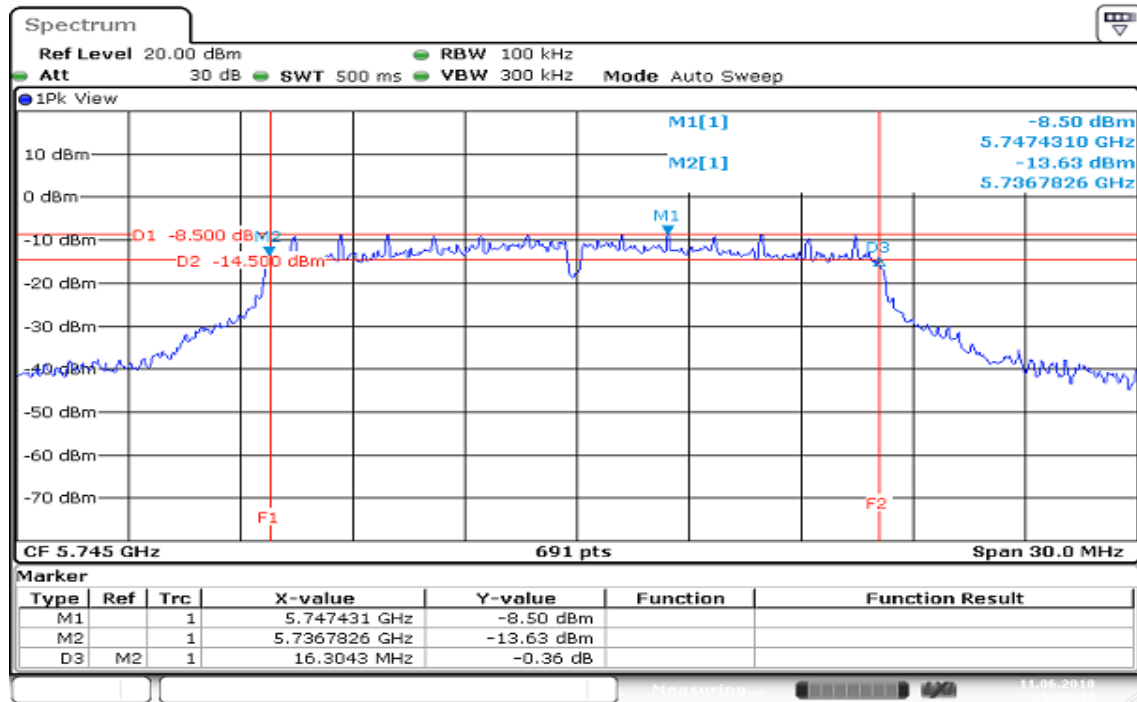
Test mode: IEEE 802.11n HT 40 mode / Chain 0

頻道	頻率 (MHz)	頻寬讀值 (MHz)	限制值 (kHz)	測試結果
Low	5755	35.942	>500	PASS
High	5795	35.826		PASS

Test mode: IEEE 802.11ac VHT 80 mode / Chain 0

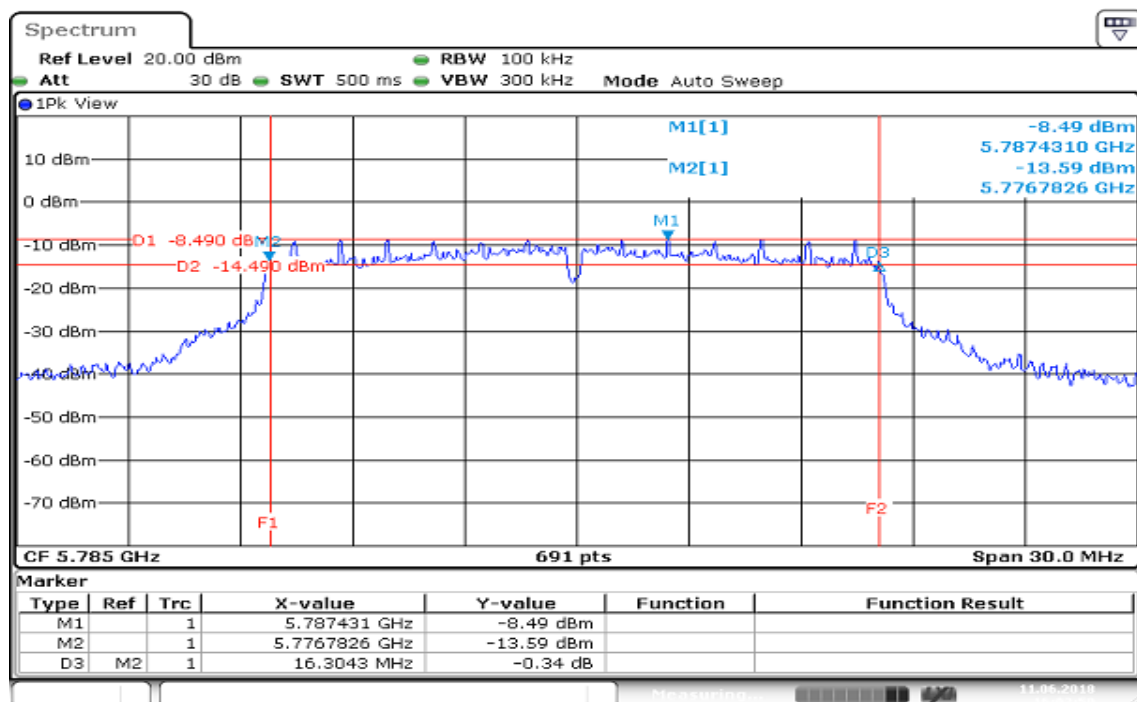
頻道	頻率 (MHz)	頻寬讀值 (MHz)	限制值 (kHz)	測試結果
Low	5775	75.594	>500	PASS

發射頻寬測試值 IEEE 802.11a Mode/ 5745MHz / Chain 0



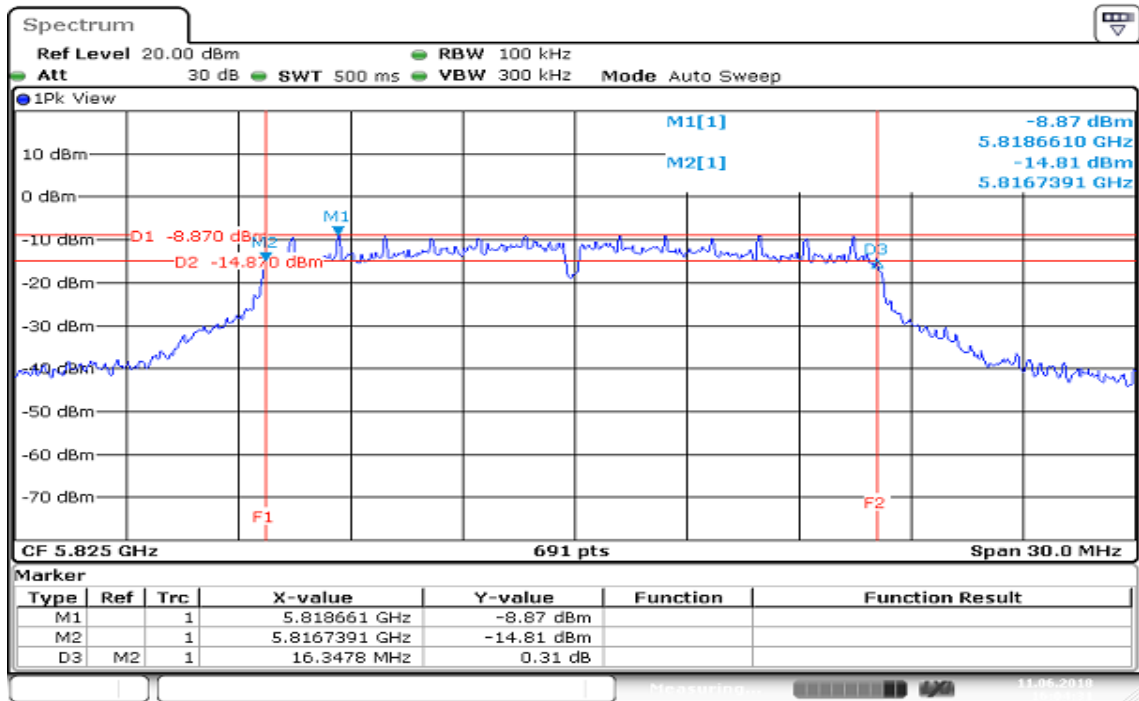
Date: 11 JUN 2018 15:58:43

發射頻寬測試值 IEEE 802.11a Mode/ 5785MHz / Chain 0



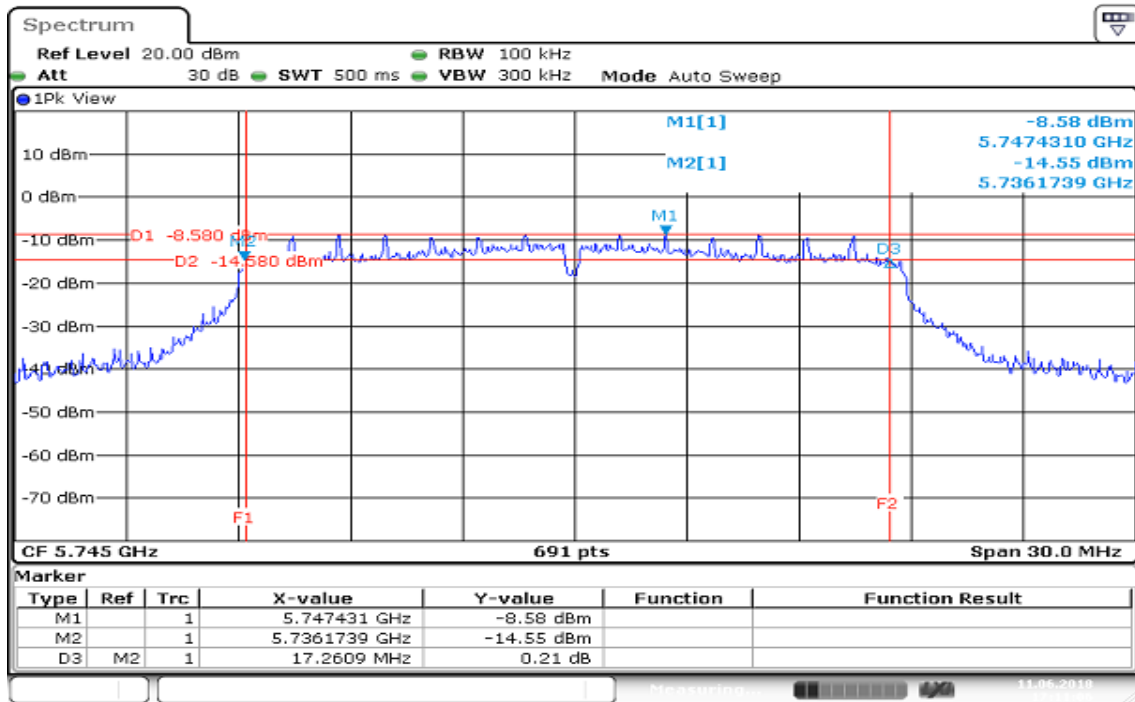
Date: 11 JUN 2018 16:02:59

發射頻寬測試值 IEEE 802.11a Mode/ 5825MHz / Chain 0



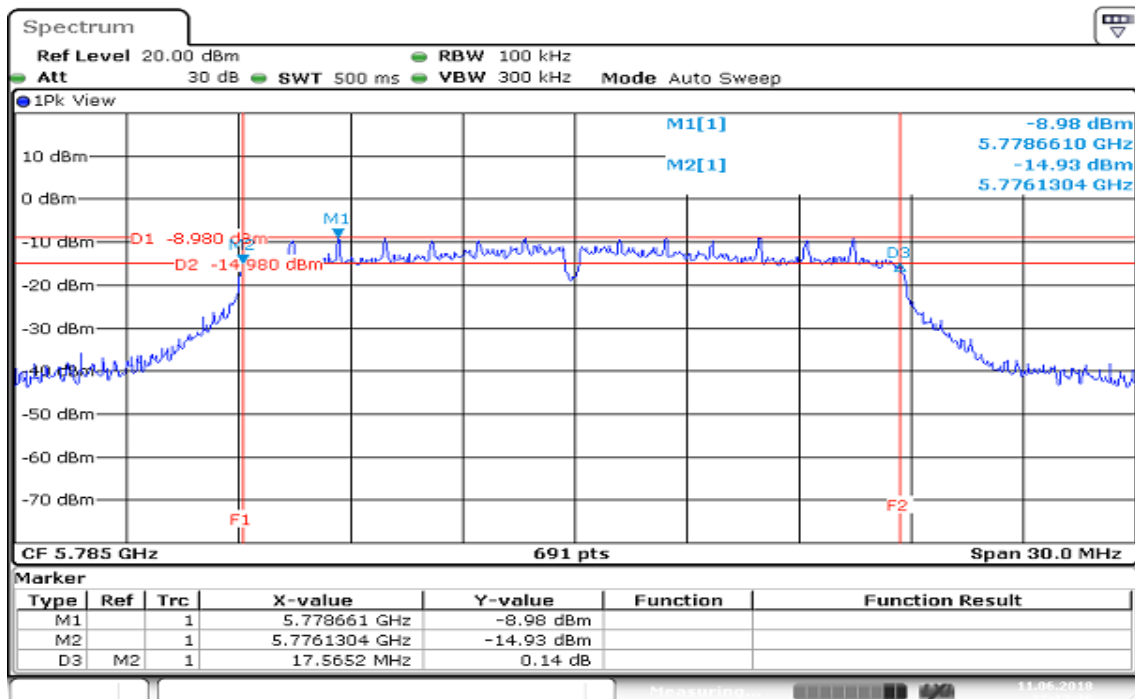
Date: 11 JUN 2018 16:04:21

發射頻寬測試值 IEEE 802.11n HT20 Mode/ 5745MHz / Chain 0



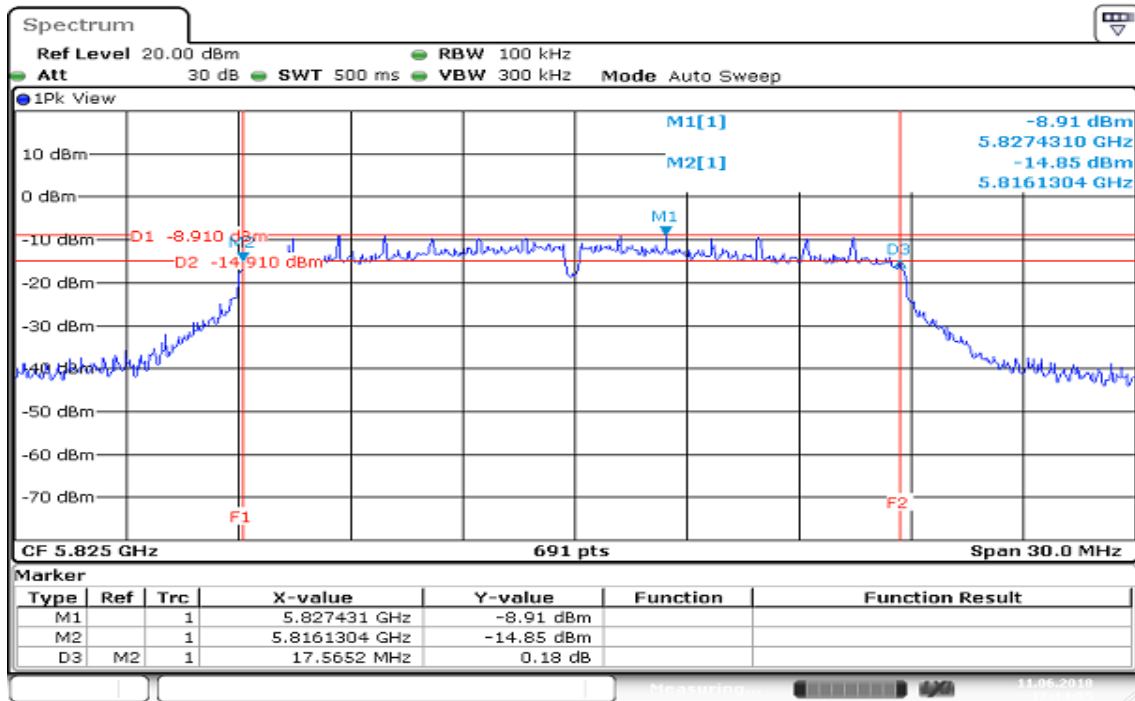
Date: 11 JUN 2018 17:11:07

發射頻寬測試值 IEEE 802.11n HT20 Mode/ 5785MHz / Chain 0



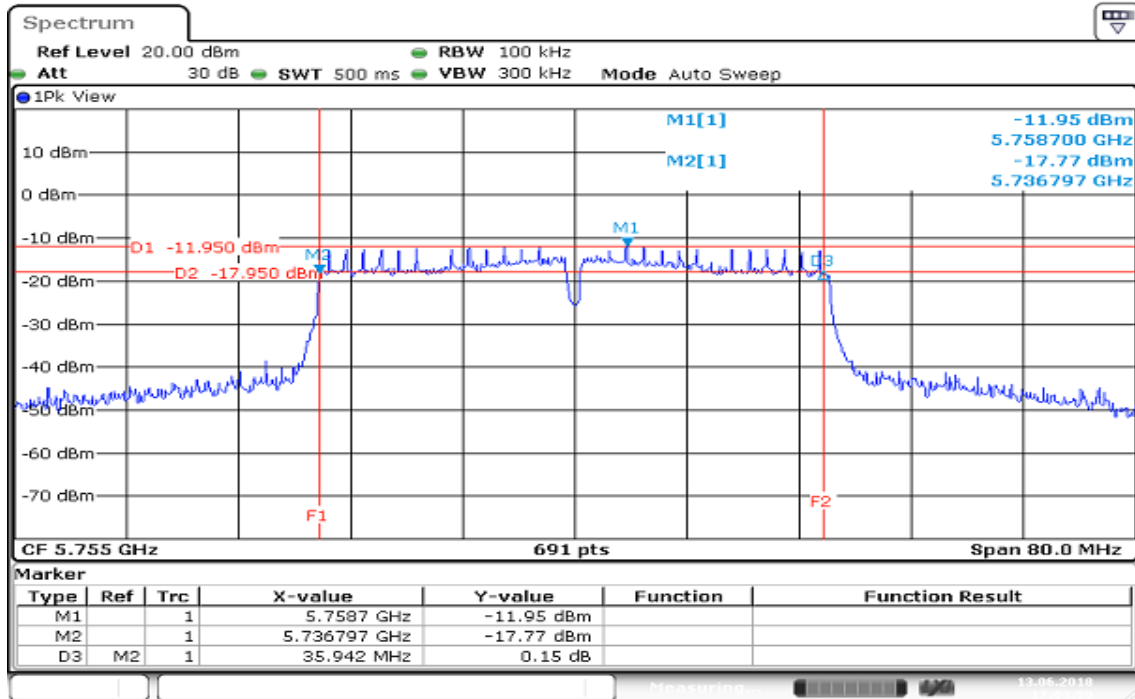
Date: 11 JUN 2018 17:12:26

發射頻寬測試值 IEEE 802.11n HT20 Mode/ 5825MHz / Chain 0



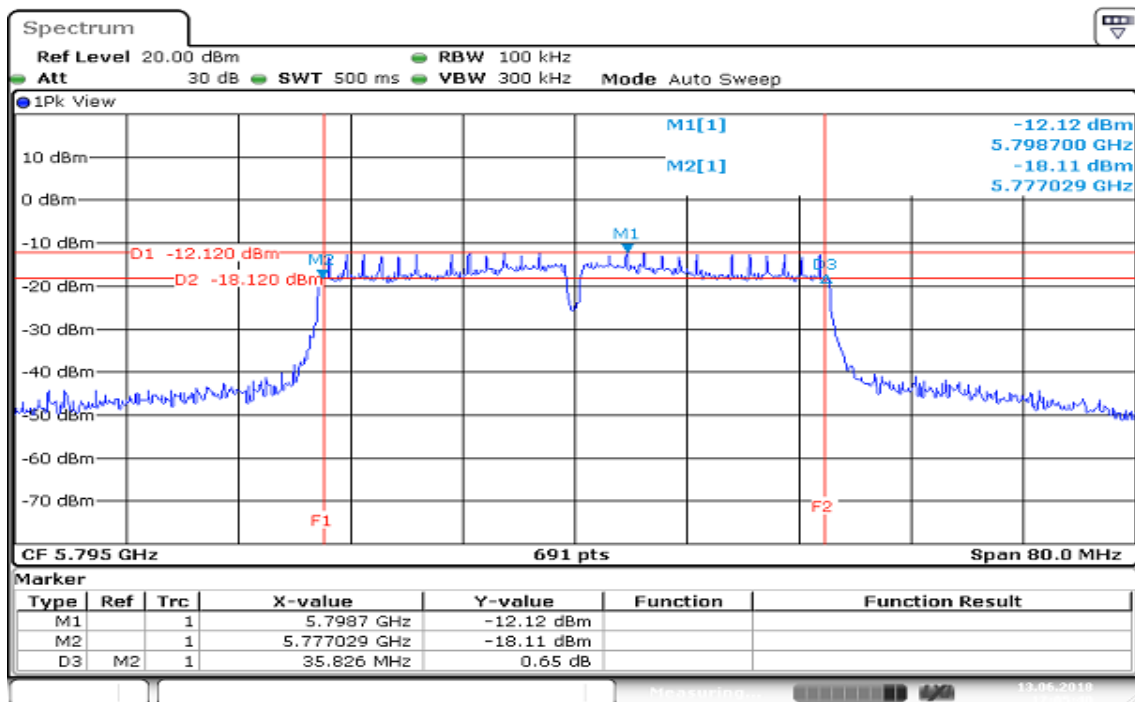
Date: 11 JUN 2018 17:14:56

發射頻寬測試值 IEEE 802.11n HT40 Mode/ 5755MHz / Chain 0



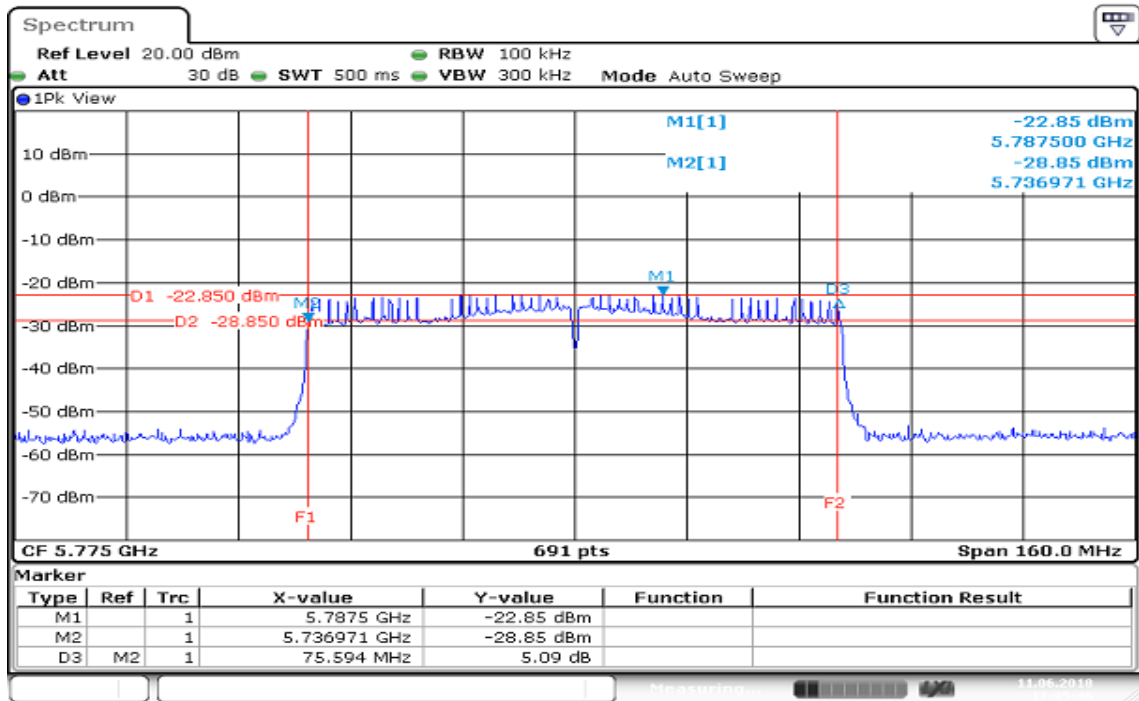
Date: 13 JUN 2018 17:03:59

發射頻寬測試值 IEEE 802.11n HT40 Mode/ 5795MHz / Chain 0



Date: 13 JUN 2018 17:05:40

發射頻寬測試值 IEEE 802.11ac VHT 80 Mode / 5775MHz / Chain 0



Date: 11 JUN 2018 17:25:46

10 輸出功率之量測

10.1 適用標準

使用頻率於 5.15GHz ~ 5.25GHz 頻段

4.7.3.1(1): 供戶外操作使用, 最大傳導輸出功率應小於或等於 1W。

4.7.3.1(2): 供室內操作使用, 最大傳導輸出功率應小於或等於 1W。

4.7.3.1(3): 供固定式點對點操作使用, 最大傳導輸出功率應小於或等於 1W。

4.7.3.1(4): 供用戶端裝置(Client Device)操作使用, 最大傳導輸出功率應小於或等於 250mW, 若使用超過 6dBi 方向增益之發射天線時, 應依超過 6dBi 天線方向增益的 dBi 總量, 等量減少最大傳導輸出功率及最大功率密度。

使用頻率於 5.25GHz ~ 5.35GHz 與 5.470GHz ~ 5.725GHz 頻段

4.7.3.2(1): 最大傳導輸出功率應小於或等於 250mW 或 11dBm_{-10logB} (B=26dB 發射頻寬, 單位 MH)之較小者, 若使用超過 6dBi 方向增益之發射天線時, 應依超過 6dBi 天線方向增益的 dBi 總量, 等量減少最大傳導輸出功率及最大功率密度。

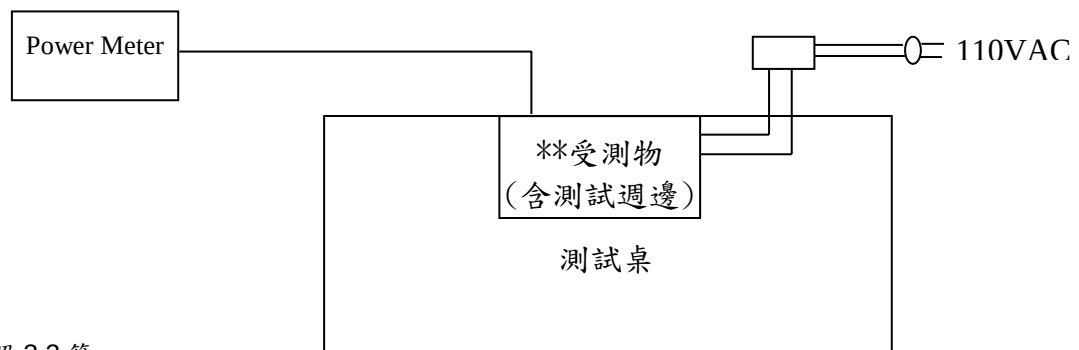
使用頻率於 5.725 GHz~5.850 GHz 頻段

4.7.3.3(1): 最大傳導輸出功率應小於或等於 1 W。

10.2 測試方法

The transmitter output is connected to the Power Meter. The Power Meter is set to the peak power detection.

10.3 測試配置



註: **請參照 3.2 節

10.4 輸出功率之量測結果**Band I****Test Mode: IEEE 802.11a Mode**

頻道	頻率 (MHz)	Chain 0 輸出峰值 (dBm)	Chain 1 輸出峰值 (dBm)	Total 輸出峰值 (dBm)	限制值 (dBm)	測試結果
36	5180	15.58	-	15.58	24.00	PASS
44	5220	15.62	-	15.62	24.00	PASS
48	5240	15.69	-	*15.69	24.00	PASS

Test Mode: IEEE 802.11n HT20 Mode

頻道	頻率 (MHz)	Chain 0 輸出峰值 (dBm)	Chain 1 輸出峰值 (dBm)	Total 輸出峰值 (dBm)	限制值 (dBm)	測試結果
36	5180	14.56	-	14.56	24.00	PASS
44	5220	15.62	-	15.62	24.00	PASS
48	5240	15.69	-	*15.69	24.00	PASS

Test Mode: IEEE 802.11n HT40 Mode

頻道	頻率 (MHz)	Chain 0 輸出峰值 (dBm)	Chain 1 輸出峰值 (dBm)	Total 輸出峰值 (dBm)	限制值 (dBm)	測試結果
38	5190	12.97	-	*12.97	24.00	PASS
46	5230	12.90	-	12.90	24.00	PASS

Test mode: IEEE 802.11ac VHT 80 mode

頻道	頻率 (MHz)	Chain 0 輸出峰值 (dBm)	Chain 1 輸出峰值 (dBm)	Total 輸出峰值 (dBm)	限制值 (dBm)	測試結果
42	5210	10.86	-	*10.86	24.00	PASS

Band II**Test Mode: IEEE 802.11a Mode**

頻道	頻率 (MHz)	Chain 0 輸出峰值 (dBm)	Chain 1 輸出峰值 (dBm)	Total 輸出峰值 (dBm)	限制值 (dBm)	測試結果
52	5260	15.79	-	*15.79	24.00	PASS
56	5280	15.71	-	15.71	24.00	PASS
64	5320	15.69	-	15.69	24.00	PASS

Test Mode: IEEE 802.11n HT20 Mode

頻道	頻率 (MHz)	Chain 0 輸出峰值 (dBm)	Chain 1 輸出峰值 (dBm)	Total 輸出峰值 (dBm)	限制值 (dBm)	測試結果
52	5260	14.51	-	*14.51	24.00	PASS
56	5280	14.63	-	14.63	24.00	PASS
64	5320	14.49	-	14.49	24.00	PASS

Test Mode: IEEE 802.11n HT40 Mode

頻道	頻率 (MHz)	Chain 0 輸出峰值 (dBm)	Chain 1 輸出峰值 (dBm)	Total 輸出峰值 (dBm)	限制值 (dBm)	測試結果
54	5270	13.00	-	13.00	24.00	PASS
62	5310	13.09	-	*13.09	24.00	PASS

Test mode: IEEE 802.11ac VHT 80 mode

頻道	頻率 (MHz)	Chain 0 輸出峰值 (dBm)	Chain 1 輸出峰值 (dBm)	Total 輸出峰值 (dBm)	限制值 (dBm)	測試結果
58	5290	11.02	-	*11.02	24.00	PASS

Band III**Test Mode: IEEE 802.11a Mode**

頻道	頻率 (MHz)	Chain 0 輸出峰值 (dBm)	Chain 1 輸出峰值 (dBm)	Total 輸出峰值 (dBm)	限制值 (dBm)	測試結果
100	5500	15.18	-	15.18	24.00	PASS
116	5580	15.43	-	15.43	24.00	PASS
140	5700	15.56	-	*15.56	24.00	PASS

Test Mode: IEEE 802.11n HT20 Mode

頻道	頻率 (MHz)	Chain 0 輸出峰值 (dBm)	Chain 1 輸出峰值 (dBm)	Total 輸出峰值 (dBm)	限制值 (dBm)	測試結果
100	5500	13.99	-	13.99	24.00	PASS
116	5580	14.30	-	14.30	24.00	PASS
140	5700	14.45	-	*14.45	24.00	PASS

Test Mode: IEEE 802.11n HT40 Mode

頻道	頻率 (MHz)	Chain 0 輸出峰值 (dBm)	Chain 1 輸出峰值 (dBm)	Total 輸出峰值 (dBm)	限制值 (dBm)	測試結果
102	5510	12.67	-	12.67	24.00	PASS
110	5550	12.69	-	12.69	24.00	PASS
134	5670	12.92	-	*12.92	24.00	PASS

Test mode: IEEE 802.11ac VHT 80 mode

頻道	頻率 (MHz)	Chain 0 輸出峰值 (dBm)	Chain 1 輸出峰值 (dBm)	Total 輸出峰值 (dBm)	限制值 (dBm)	測試結果
106	5530	10.74	-	*10.74	24.00	PASS

Band IV

Test Mode: IEEE 802.11a Mode

頻道	頻率 (MHz)	Chain 0 輸出峰值 (dBm)	Chain 1 輸出峰值 (dBm)	Total 輸出峰值 (dBm)	限制值 (dBm)	測試結果
149	5745	16.94	-	*16.94	30.00	PASS
157	5785	16.80	-	16.80	30.00	PASS
165	5825	16.67	-	16.67	30.00	PASS

Test Mode: IEEE 802.11n HT20 Mode

頻道	頻率 (MHz)	Chain 0 輸出峰值 (dBm)	Chain 1 輸出峰值 (dBm)	Total 輸出峰值 (dBm)	限制值 (dBm)	測試結果
149	5745	16.57	-	*16.57	30.00	PASS
157	5785	16.43	-	16.43	30.00	PASS
165	5825	16.36	-	16.36	30.00	PASS

Test Mode: IEEE 802.11n HT40 Mode

頻道	頻率 (MHz)	Chain 0 輸出峰值 (dBm)	Chain 1 輸出峰值 (dBm)	Total 輸出峰值 (dBm)	限制值 (dBm)	測試結果
151	5755	16.03	-	*16.03	30.00	PASS
159	5795	15.92	-	15.92	30.00	PASS

Test mode: IEEE 802.11ac VHT 80 mode

頻道	頻率 (MHz)	Chain 0 輸出峰值 (dBm)	Chain 1 輸出峰值 (dBm)	Total 輸出峰值 (dBm)	限制值 (dBm)	測試結果
155	5775	14.12	-	*14.12	30.00	PASS

11 功率密度之量測

11.1 適用標準

使用頻率於 5.15GHz ~ 5.25GHz 頻段

4.7.3.1(1): 供戶外操作使用, 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 17 dBm。

4.7.3.1(2): 供室內操作使用, 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 17 dBm。

4.7.3.1(3): 供固定式點對點操作使用, 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 17 dBm。

4.7.3.1(4): 供用戶端裝置(Client Device)操作使用, 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 11 dBm, 若使用超過 6dBi 方向增益之發射天線時, 應依超過 6dBi 天線方向增益的 dBi 總量, 等量減少最大傳導輸出功率及最大功率密度。

使用頻率於 5.25GHz ~ 5.35GHz 與 5.470GHz ~ 5.725GHz 頻段

4.7.3.2(2): 最大功率頻譜密度在任何 1 MHz 頻帶中應小於或等於 11 dBm, 若使用超過 6dBi 方向增益之發射天線時, 應依超過 6dBi 天線方向增益的 dBi 總量, 等量減少最大傳導輸出功率及最大功率密度。

使用頻率於 5.725 GHz ~ 5.850 GHz 頻段

4.7.3.3(2): 在任何 500 kHz 頻帶中最大功率頻譜密度應小於或等於 30 dBm, 若使用超過 6 dBi 方向增益之發射天線時, 應依超過 6 dBi 天線方向增益的 dBi 總量, 等量減少最大傳導輸出功率及最大功率頻譜密度。

11.2 測試方法

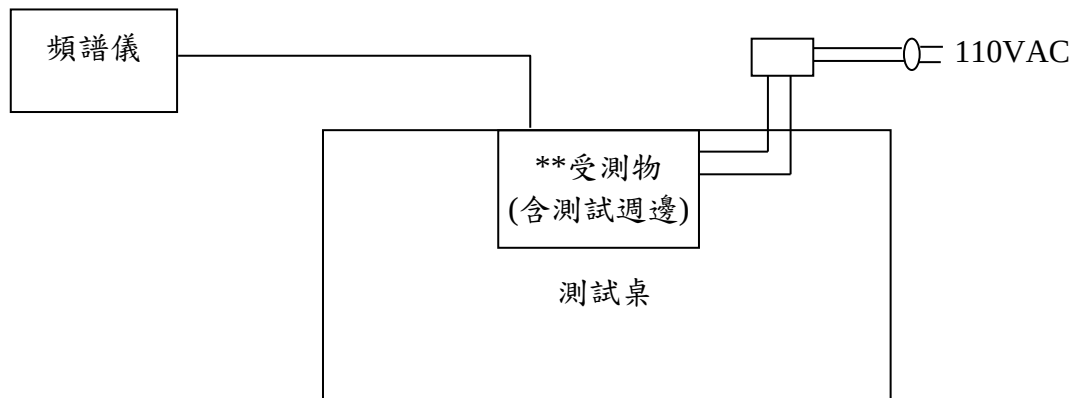
For Band 1

1. Place the EUT on the table and set it in transmitting mode.
Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
2. Set the spectrum analyzer as RBW = 1MHz, VBW = 3MHz, Span = Sweep= AUTO
3. Record the max. reading.
4. Repeat the above procedure until the measurements for all frequencies are completed

For Band 4

1. Place the EUT on the table and set it in transmitting mode.
Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
2. Set the spectrum analyzer as RBW = 500kHz, VBW = 3 x RBW, Span = 1.5 x bandwidth, Sweep=auto
3. Record the max. reading.
4. Repeat the above procedure until the measurements for all frequencies are completed.

11.3 測試配置



註: **請參照 3.2 節

11.4 功率密度之量測結果

Band I

Test Mode: IEEE 802.11a Mode

頻道	頻率 (MHz)	Chain 0 功率密度 (dBm)	Chain 1 功率密度 (dBm)	Total 功率密度 (dBm)	限制值 (dBm)	測試結果
36	5180	2.66	-	2.66	11.00	PASS
44	5220	2.81	-	2.81	11.00	PASS
48	5240	2.98	-	2.98	11.00	PASS

Test Mode: IEEE 802.11n HT20 Mode

頻道	頻率 (MHz)	Chain 0 功率密度 (dBm)	Chain 1 功率密度 (dBm)	Total 功率密度 (dBm)	限制值 (dBm)	測試結果
36	5180	1.31	-	1.31	11.00	PASS
44	5220	1.43	-	1.43	11.00	PASS
48	5240	1.71	-	1.71	11.00	PASS

Test Mode: IEEE 802.11n HT40 Mode

頻道	頻率 (MHz)	Chain 0 功率密度 (dBm)	Chain 1 功率密度 (dBm)	Total 功率密度 (dBm)	限制值 (dBm)	測試結果
38	5190	-3.43	-	-3.43	11.00	PASS
46	5230	-3.40	-	-3.40	11.00	PASS

Test mode: IEEE 802.11ac VHT 80 mode

頻道	頻率 (MHz)	Chain 0 功率密度 (dBm)	Chain 1 功率密度 (dBm)	Total 功率密度 (dBm)	限制值 (dBm)	測試結果
42	5210	-6.40	-	-6.40	11.00	PASS

Band II**Test Mode: IEEE 802.11a Mode**

頻道	頻率 (MHz)	Chain 0 功率密度 (dBm)	Chain 1 功率密度 (dBm)	Total 功率密度 (dBm)	限制值 (dBm)	測試結果
52	5260	3.10	-	3.10	11.00	PASS
56	5280	3.11	-	3.11	11.00	PASS
64	5320	3.06	-	3.06	11.00	PASS

Test Mode: IEEE 802.11n HT20 Mode

頻道	頻率 (MHz)	Chain 0 功率密度 (dBm)	Chain 1 功率密度 (dBm)	Total 功率密度 (dBm)	限制值 (dBm)	測試結果
52	5260	1.66	-	1.66	11.00	PASS
56	5280	1.78	-	1.78	11.00	PASS
64	5320	1.90	-	1.90	11.00	PASS

Test Mode: IEEE 802.11n HT40 Mode

頻道	頻率 (MHz)	Chain 0 功率密度 (dBm)	Chain 1 功率密度 (dBm)	Total 功率密度 (dBm)	限制值 (dBm)	測試結果
54	5270	-3.01	-	-3.01	11.00	PASS
62	5310	-3.09	-	-3.09	11.00	PASS

Test mode: IEEE 802.11ac VHT 80 mode

頻道	頻率 (MHz)	Chain 0 功率密度 (dBm)	Chain 1 功率密度 (dBm)	Total 功率密度 (dBm)	限制值 (dBm)	測試結果
58	5290	-6.19	-	-6.19	11.00	PASS

Band III**Test Mode: IEEE 802.11a Mode**

頻道	頻率 (MHz)	Chain 0 功率密度 (dBm)	Chain 1 功率密度 (dBm)	Total 功率密度 (dBm)	限制值 (dBm)	測試結果
100	5500	2.77	-	2.77	11.00	PASS
116	5580	2.98	-	2.98	11.00	PASS
140	5700	3.06	-	3.06	11.00	PASS

Test Mode: IEEE 802.11n HT20 Mode

頻道	頻率 (MHz)	Chain 0 功率密度 (dBm)	Chain 1 功率密度 (dBm)	Total 功率密度 (dBm)	限制值 (dBm)	測試結果
100	5500	1.80	-	1.80	11.00	PASS
116	5580	1.62	-	1.62	11.00	PASS
140	5700	1.60	-	1.60	11.00	PASS

Test Mode: IEEE 802.11n HT40 Mode

頻道	頻率 (MHz)	Chain 0 功率密度 (dBm)	Chain 1 功率密度 (dBm)	Total 功率密度 (dBm)	限制值 (dBm)	測試結果
102	5510	-3.38	-	-3.38	11.00	PASS
110	5550	-3.49	-	-3.49	11.00	PASS
134	5670	-3.02	-	-3.02	11.00	PASS

Test mode: IEEE 802.11ac VHT 80 mode

頻道	頻率 (MHz)	Chain 0 功率密度 (dBm)	Chain 1 功率密度 (dBm)	Total 功率密度 (dBm)	限制值 (dBm)	測試結果
106	5530	-6.67	-	-6.67	11.00	PASS

Band IV

Test Mode: IEEE 802.11a MHz Mode

頻道	頻率 (MHz)	Chain 0 功率密度 (dBm)	Chain 1 功率密度 (dBm)	Total 功率密度 (dBm)	限制值 (dBm)	測試結果
149	5745	12.03	-	12.03	30.00	PASS
157	5785	12.05	-	12.05	30.00	PASS
165	5825	11.62	-	11.62	30.00	PASS

Test Mode: IEEE 802.11n HT20 Mode

頻道	頻率 (MHz)	Chain 0 功率密度 (dBm)	Chain 1 功率密度 (dBm)	Total 功率密度 (dBm)	限制值 (dBm)	測試結果
149	5745	12.78	-	12.78	30.00	PASS
157	5785	12.21	-	12.21	30.00	PASS
165	5825	12.06	-	12.06	30.00	PASS

Test Mode: IEEE 802.11n HT40 Mode

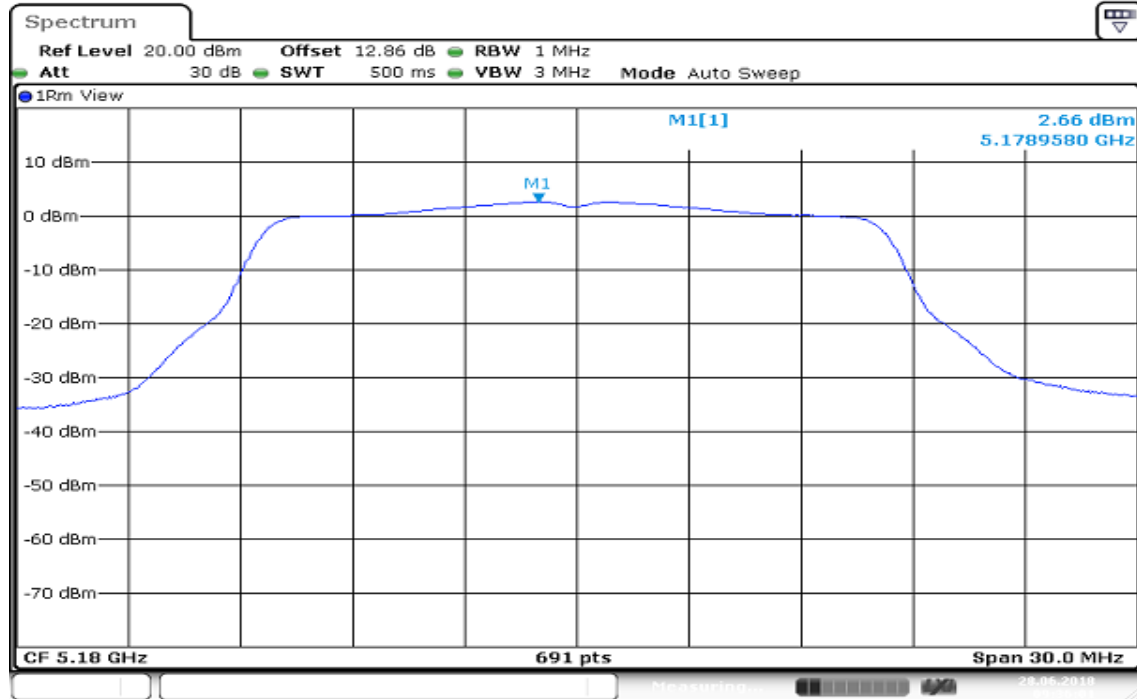
頻道	頻率 (MHz)	Chain 0 功率密度 (dBm)	Chain 1 功率密度 (dBm)	Total 功率密度 (dBm)	限制值 (dBm)	測試結果
151	5755	8.25	-	8.25	30.00	PASS
159	5795	8.45	-	8.45	30.00	PASS

Test mode: IEEE 802.11ac VHT 80 mode

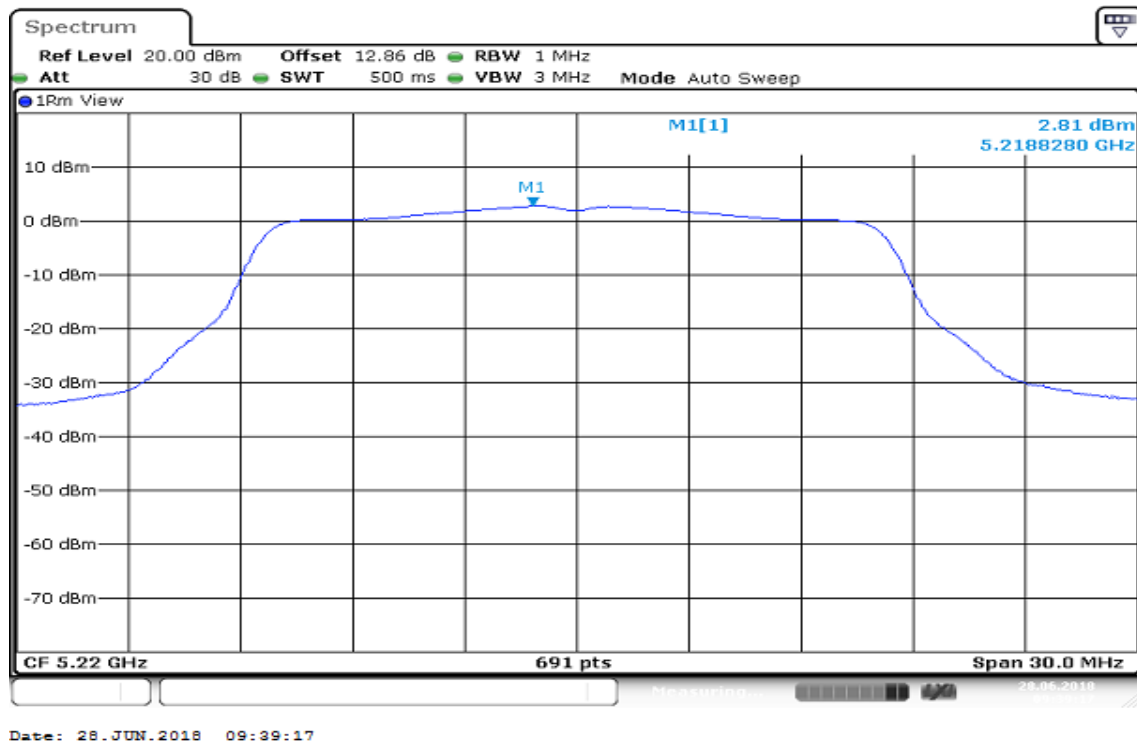
頻道	頻率 (MHz)	Chain 0 功率密度 (dBm)	Chain 1 功率密度 (dBm)	Total 功率密度 (dBm)	限制值 (dBm)	測試結果
155	5775	-2.15	-	-2.15	30.00	PASS

Band I

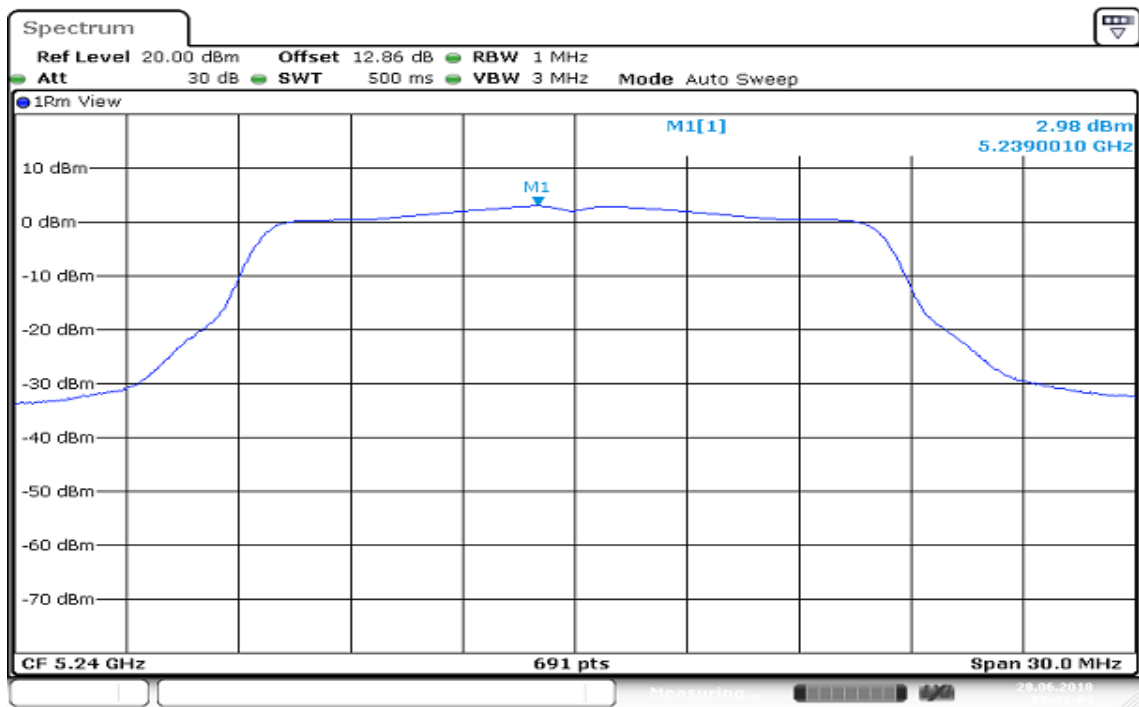
功率密度量測值 IEEE 802.11a Mode / 5180MHz / Chain 0



功率密度量測值 IEEE 802.11a Mode / 5220MHz / Chain 0

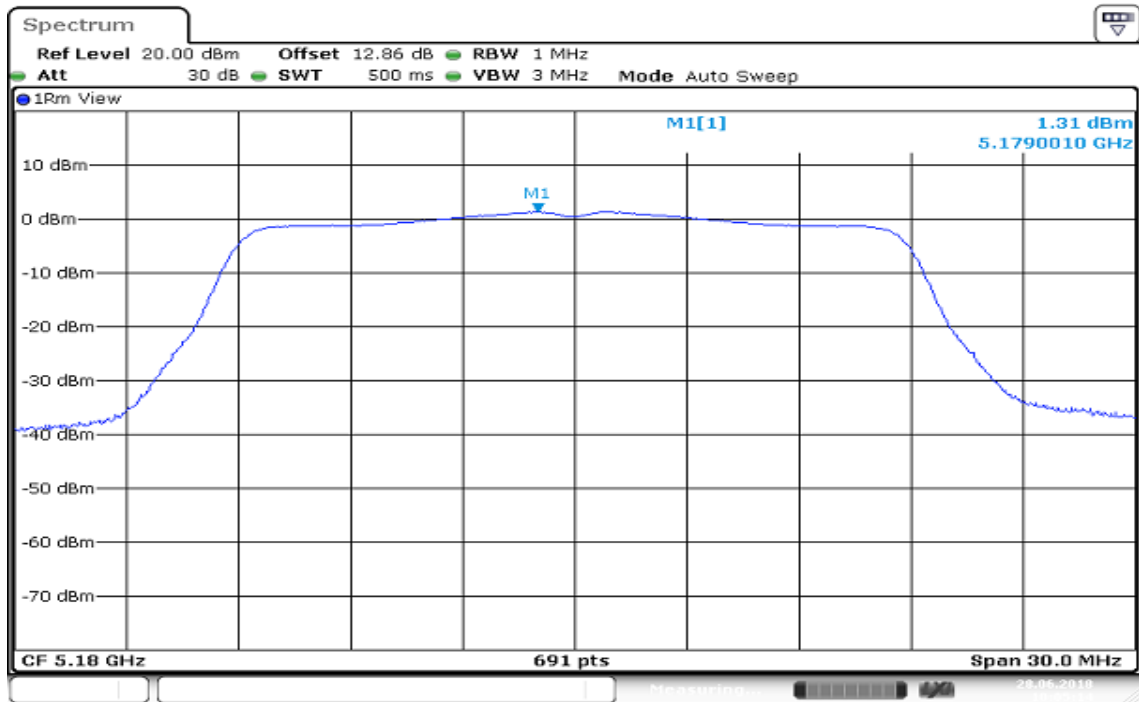


功率密度量測值 IEEE 802.11a Mode / 5240MHz / Chain 0



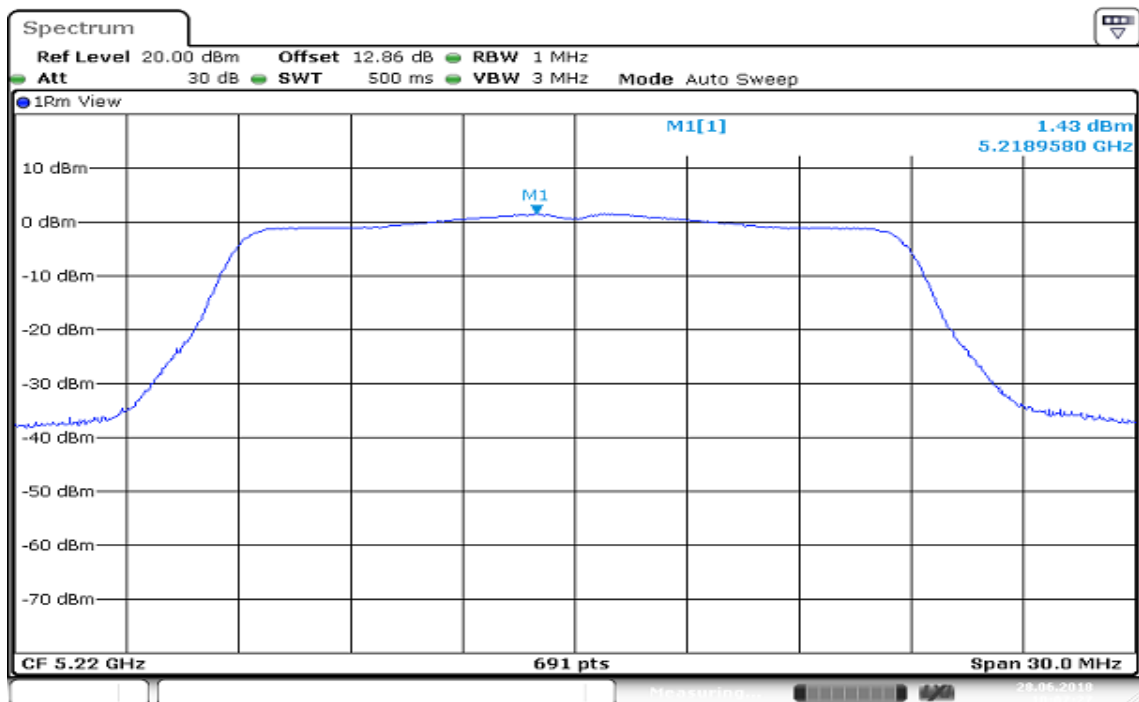
Date: 28.JUN.2018 09:41:04

功率密度量測值 IEEE 802.11n HT20 Mode / 5180MHz / Chain 0



Date: 28.JUN.2018 10:05:14

功率密度量測值 IEEE 802.11n HT20 Mode / 5220MHz / Chain 0

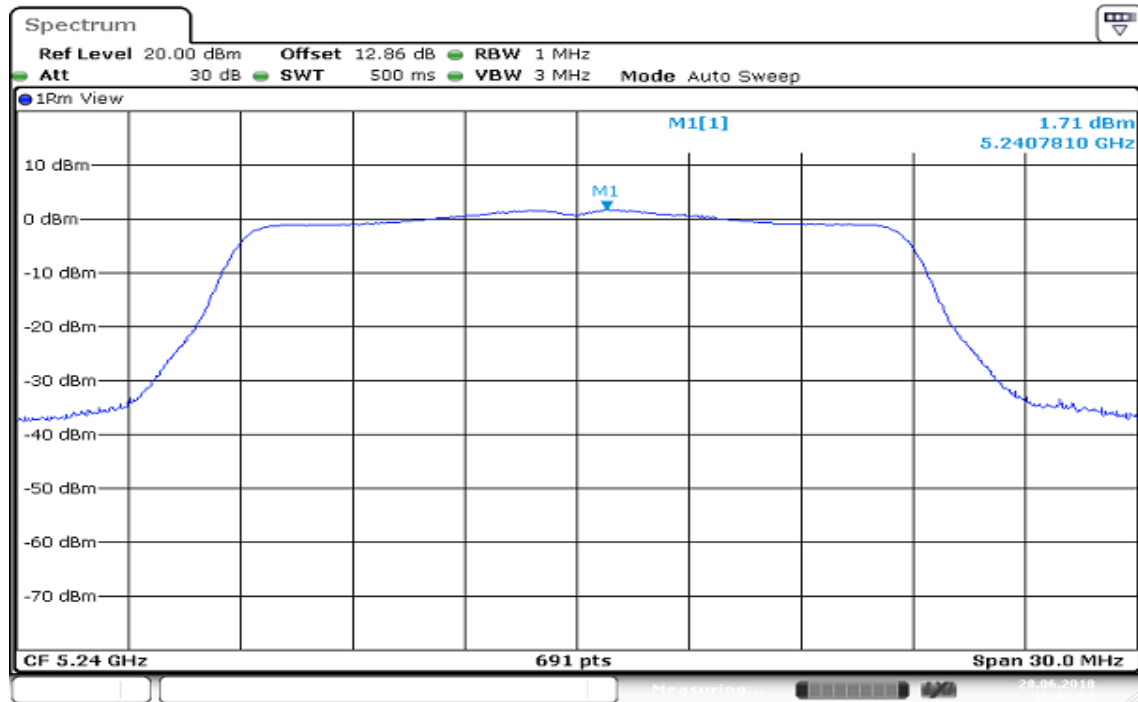


Date: 28.JUN.2018 10:07:27

Report No.: T180522D10-RD4

Page: 214/239
Rev.: 00

功率密度量測值 IEEE 802.11n HT20 Mode / 5240MHz / Chain 0

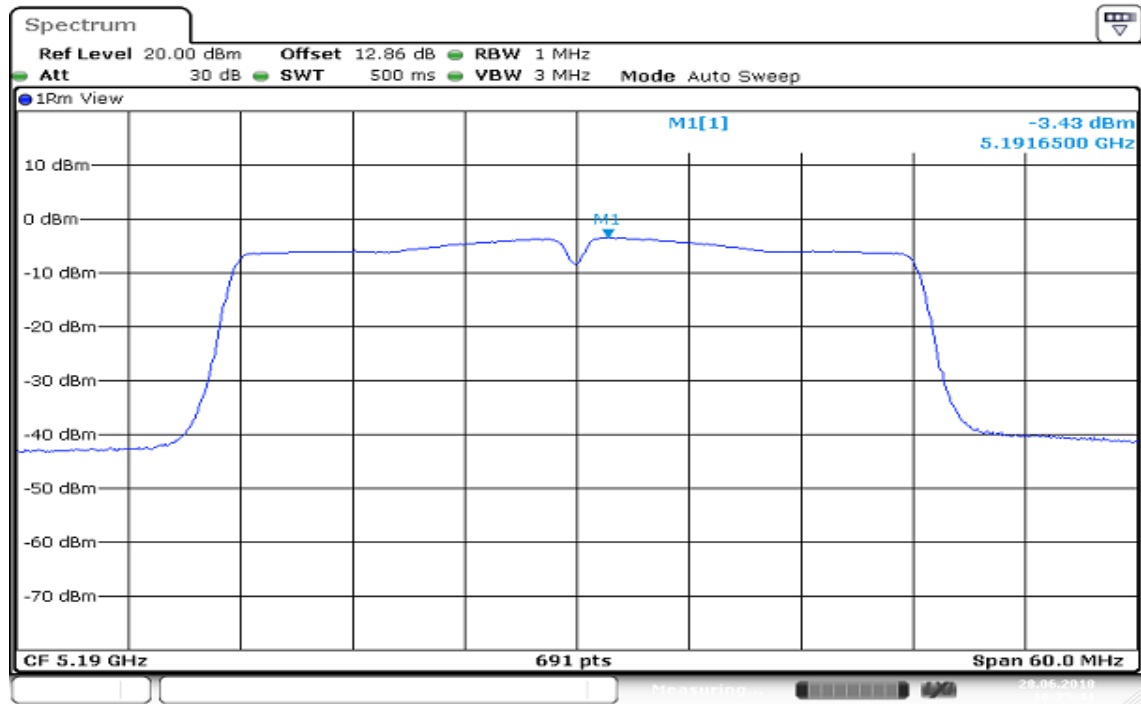


Date: 28.JUN.2018 10:08:54

Report No.: T180522D10-RD4

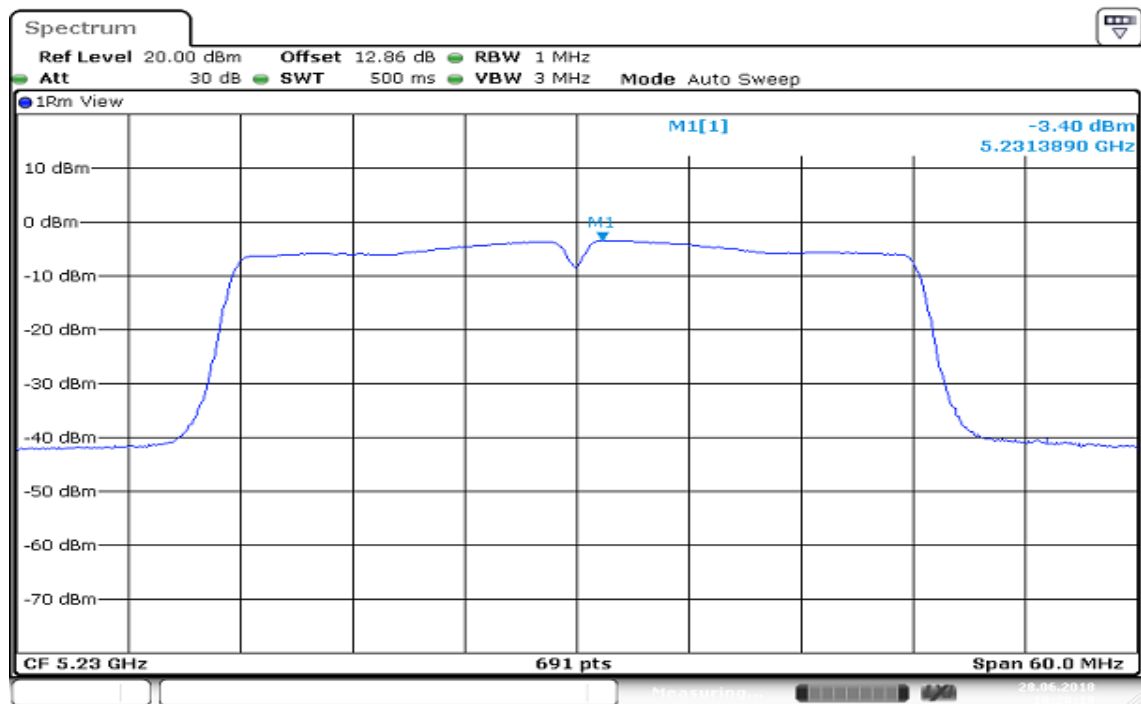
Page: 215/239
Rev.: 00

功率密度量測值 IEEE 802.11n HT40 Mode / 5190MHz / Chain 0



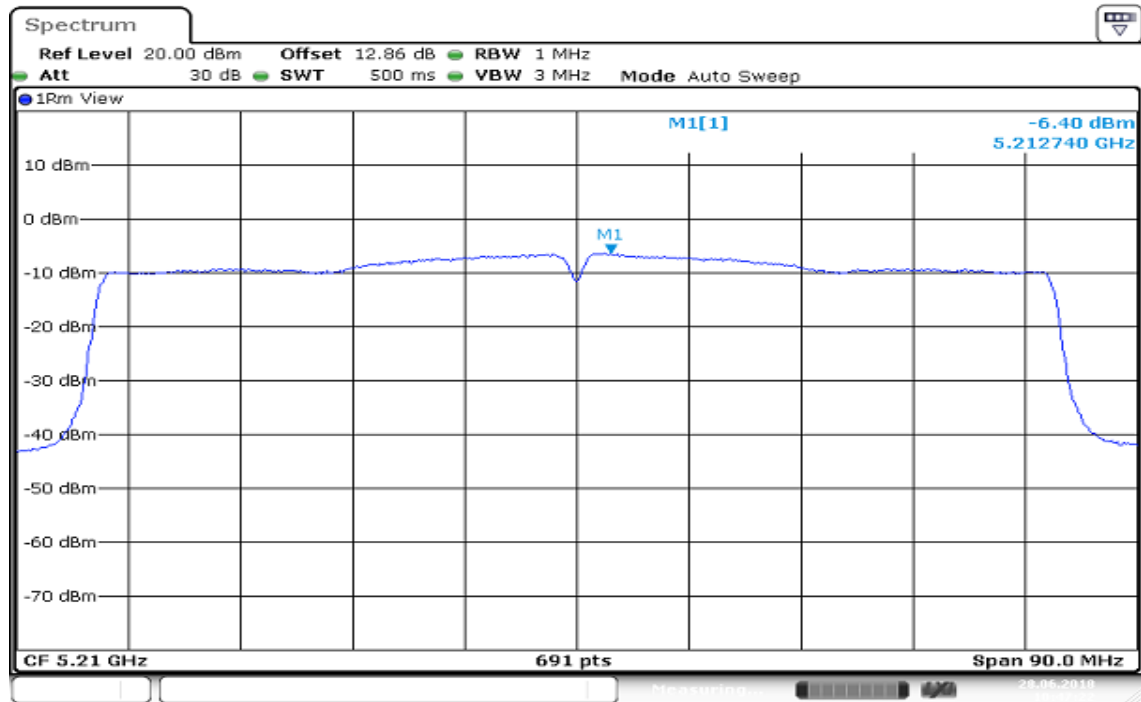
Date: 28.JUN.2018 10:25:41

功率密度量測值 IEEE 802.11n HT40 Mode / 5230MHz / Chain 0



Date: 28.JUN.2018 10:28:18

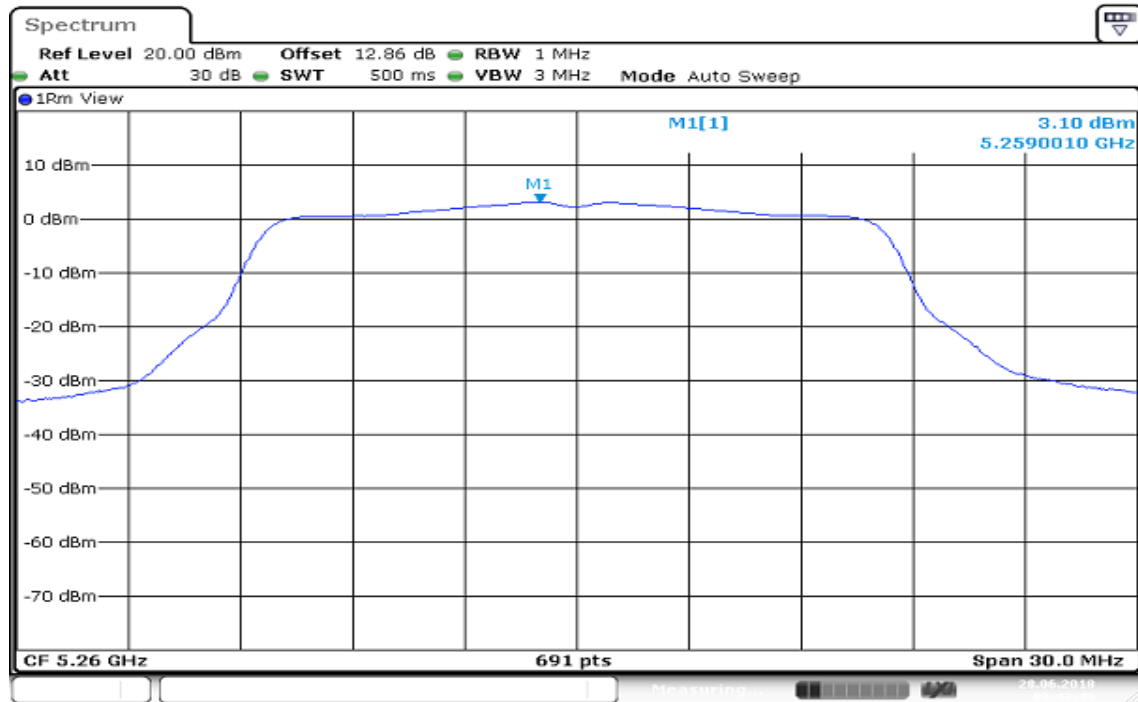
功率密度量測值 IEEE 802.11ac VHT 80 Mode / 5210MHz / Chain 0



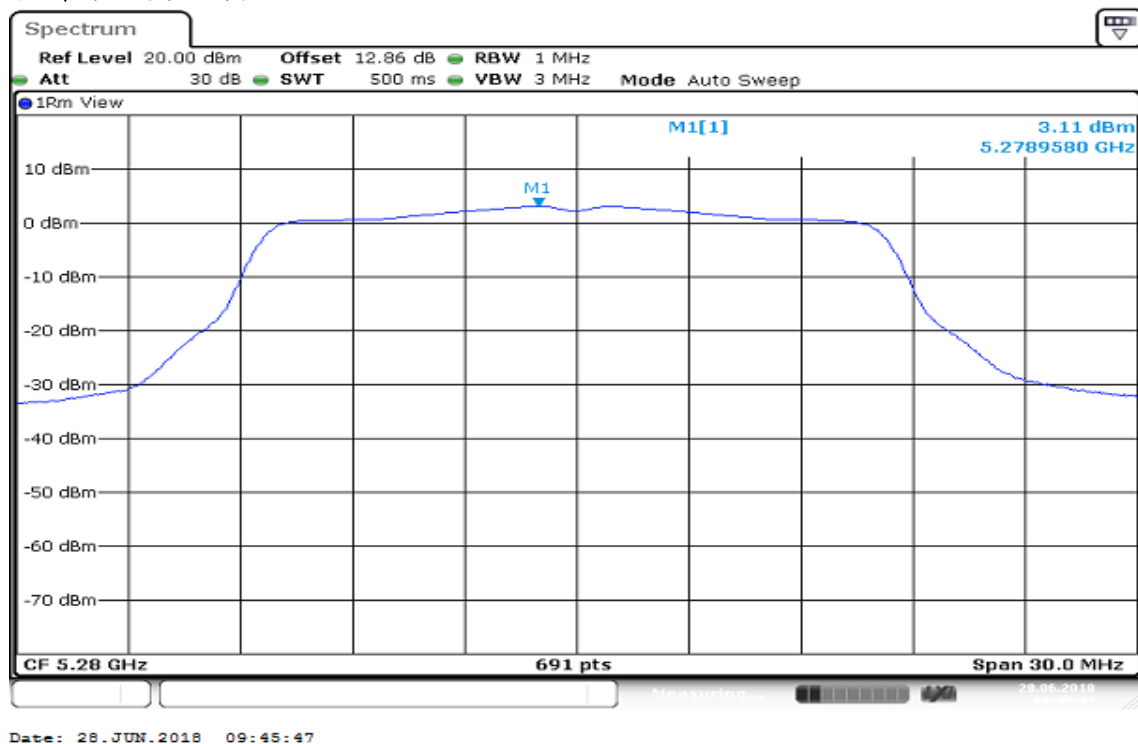
Date: 28.JUN.2018 10:47:21

Band II

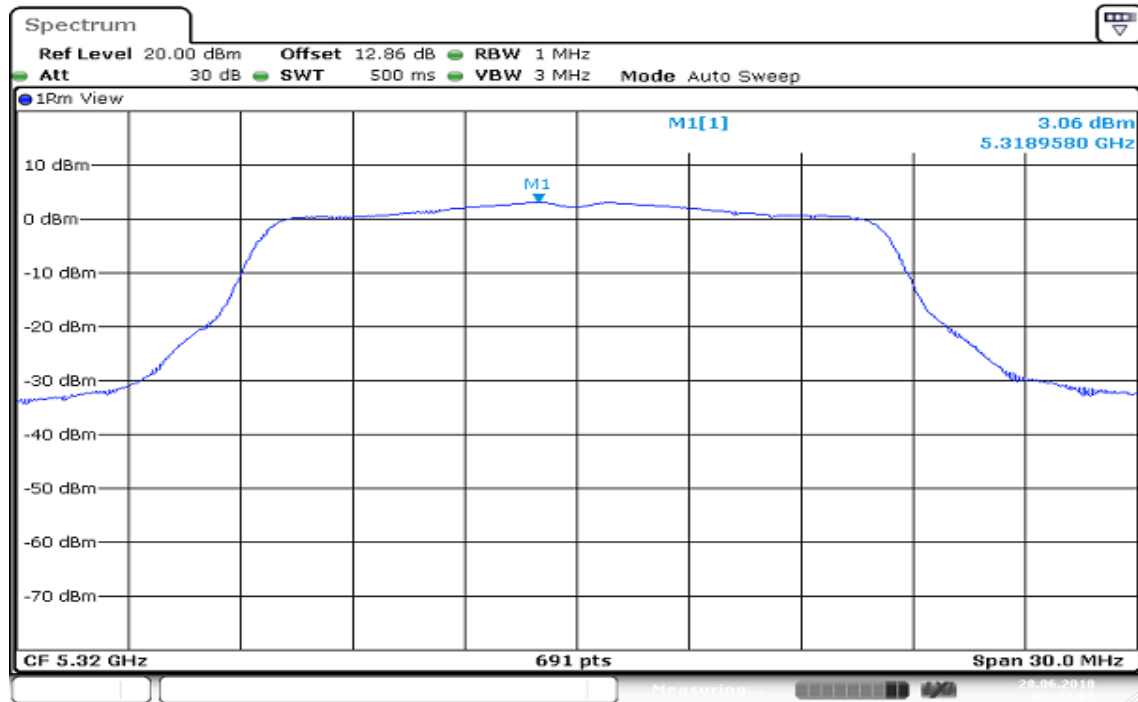
功率密度量測值 IEEE 802.11a Mode / 5260MHz / Chain 0



功率密度量測值 IEEE 802.11a Mode / 5280MHz / Chain 0



功率密度量測值 IEEE 802.11a Mode / 5320MHz / Chain 0

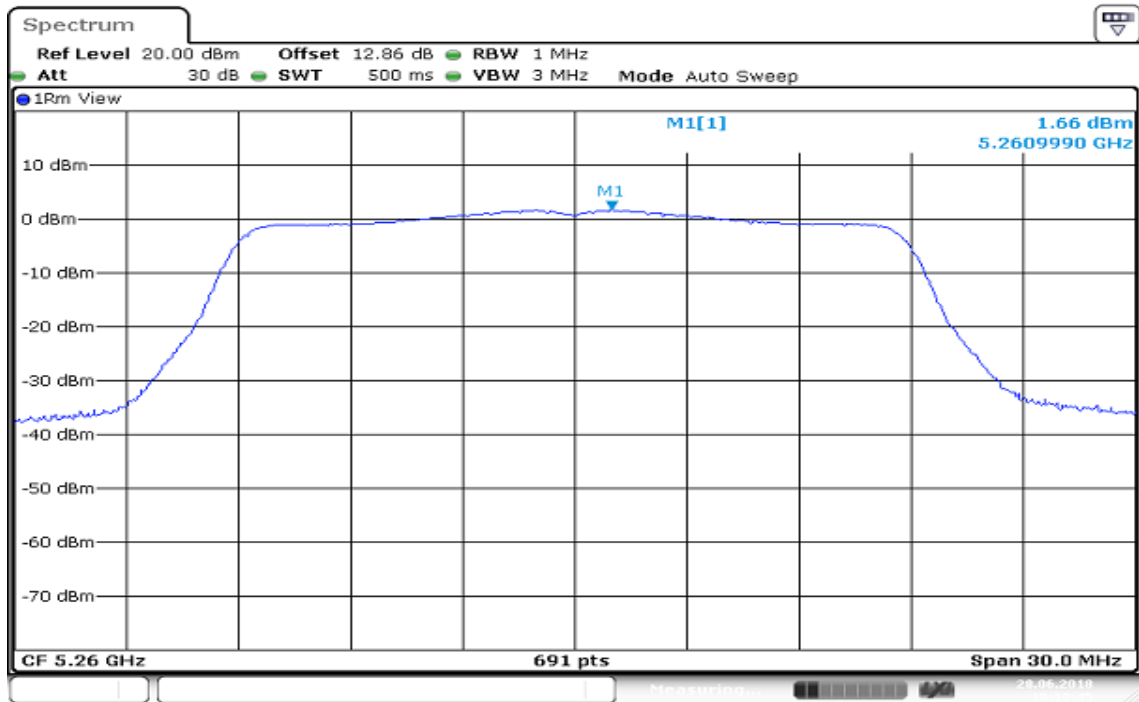


Date: 28.JUN.2018 09:47:08

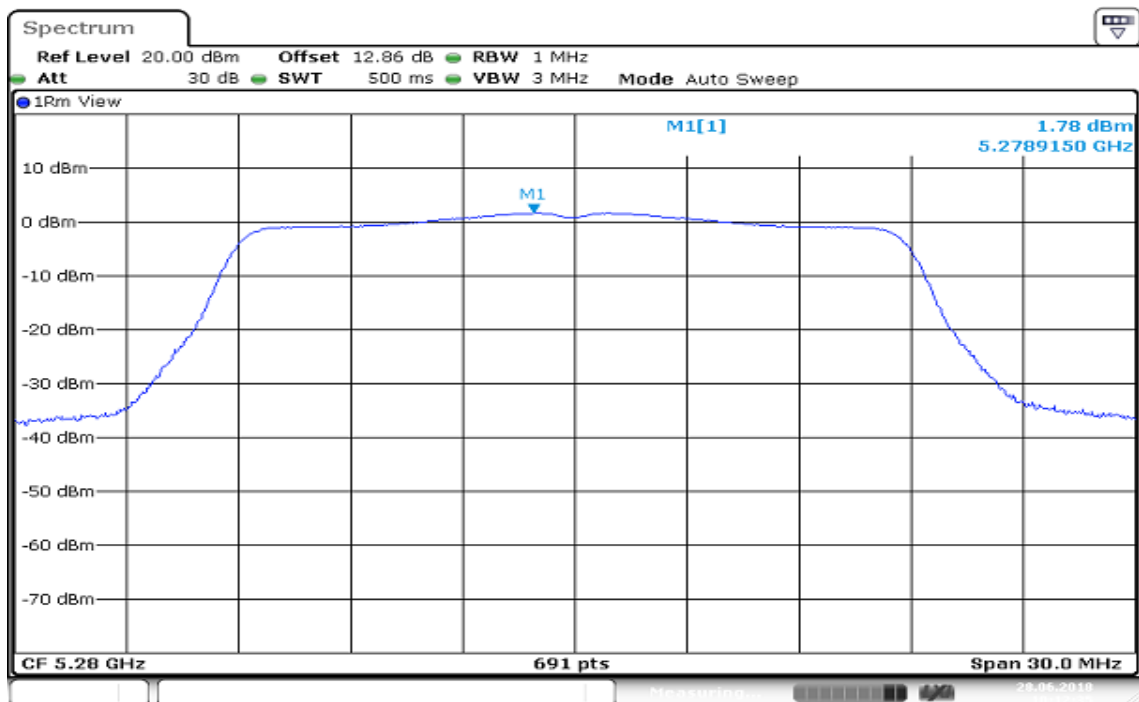
Report No.: T180522D10-RD4

Page: 219/239
Rev.: 00

功率密度量測值 IEEE 802.11n HT20 Mode / 5260MHz / Chain 0



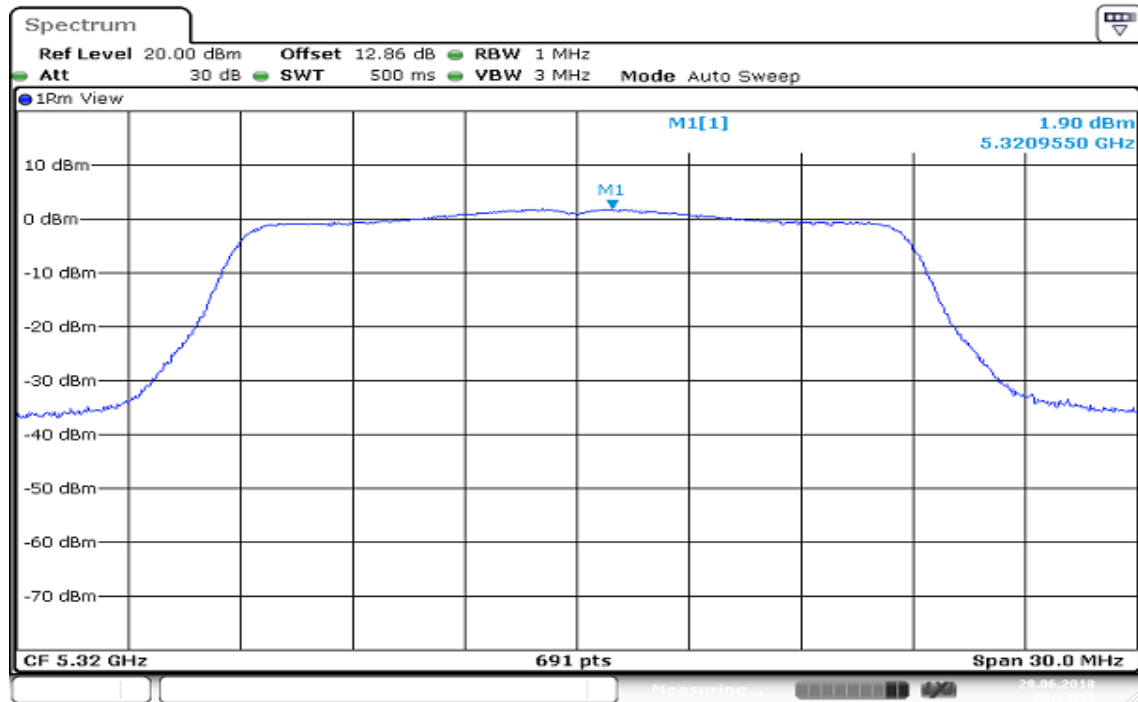
功率密度量測值 IEEE 802.11n HT20 Mode / 5280MHz / Chain 0



Report No.: T180522D10-RD4

Page: 220/239
Rev.: 00

功率密度量測值 IEEE 802.11n HT20 Mode / 5320MHz / Chain 0

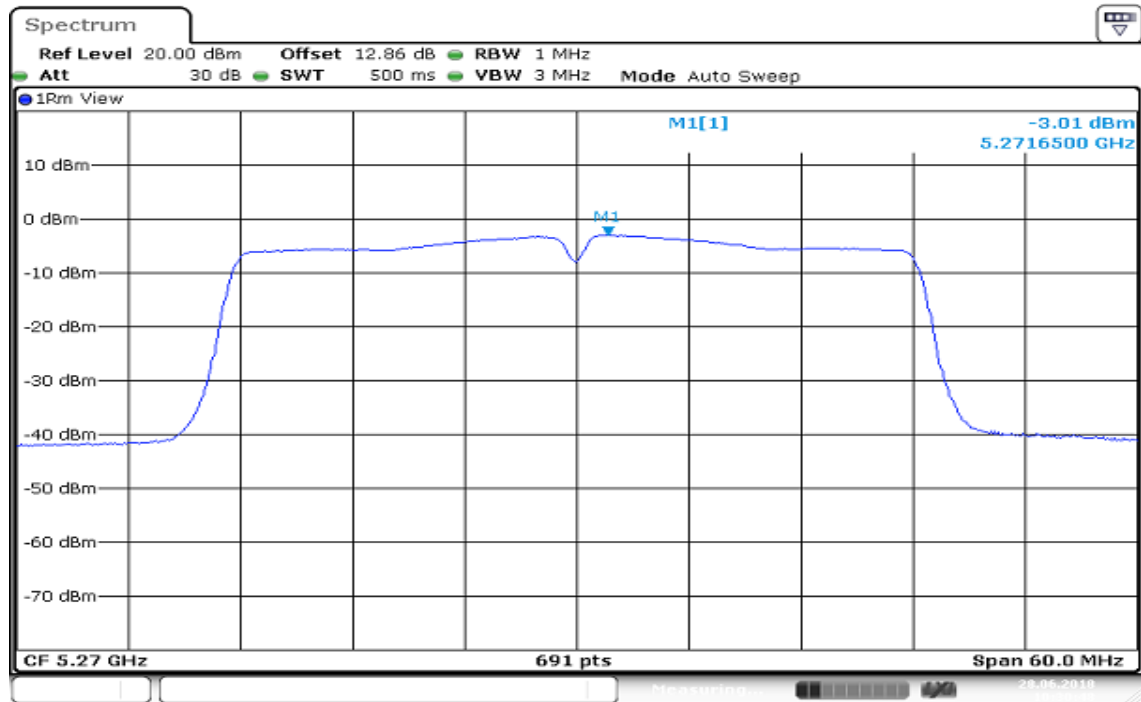


Date: 28.JUN.2018 10:13:55

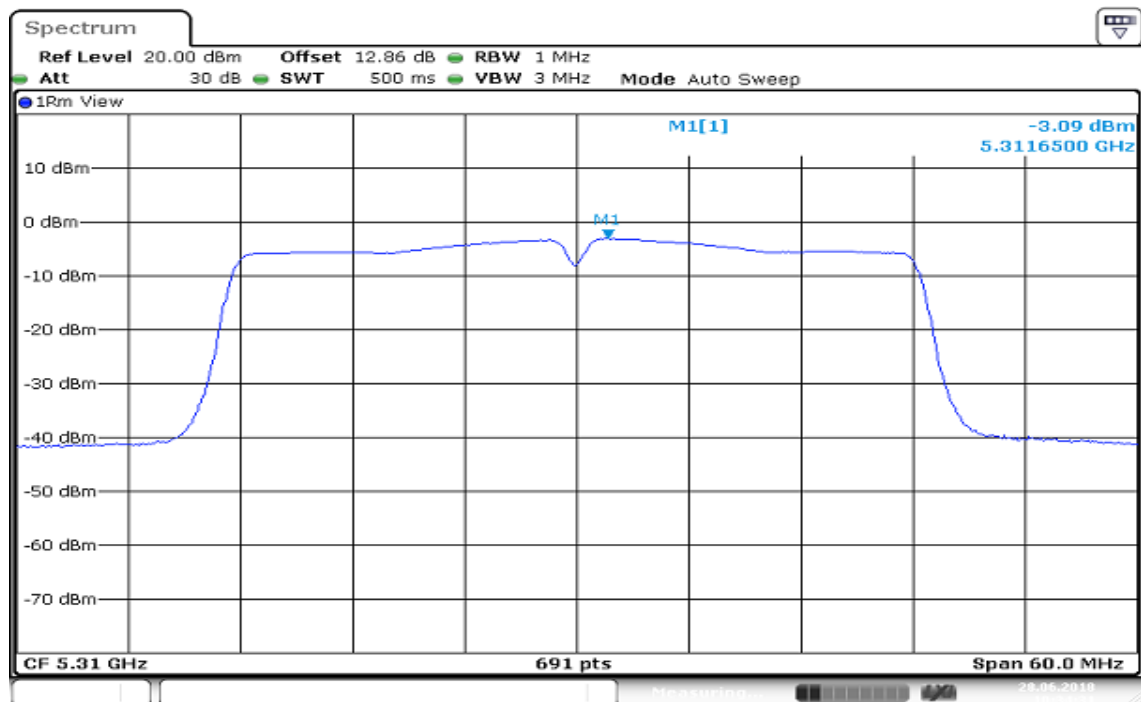
Report No.: T180522D10-RD4

Page: 221/239
Rev.: 00

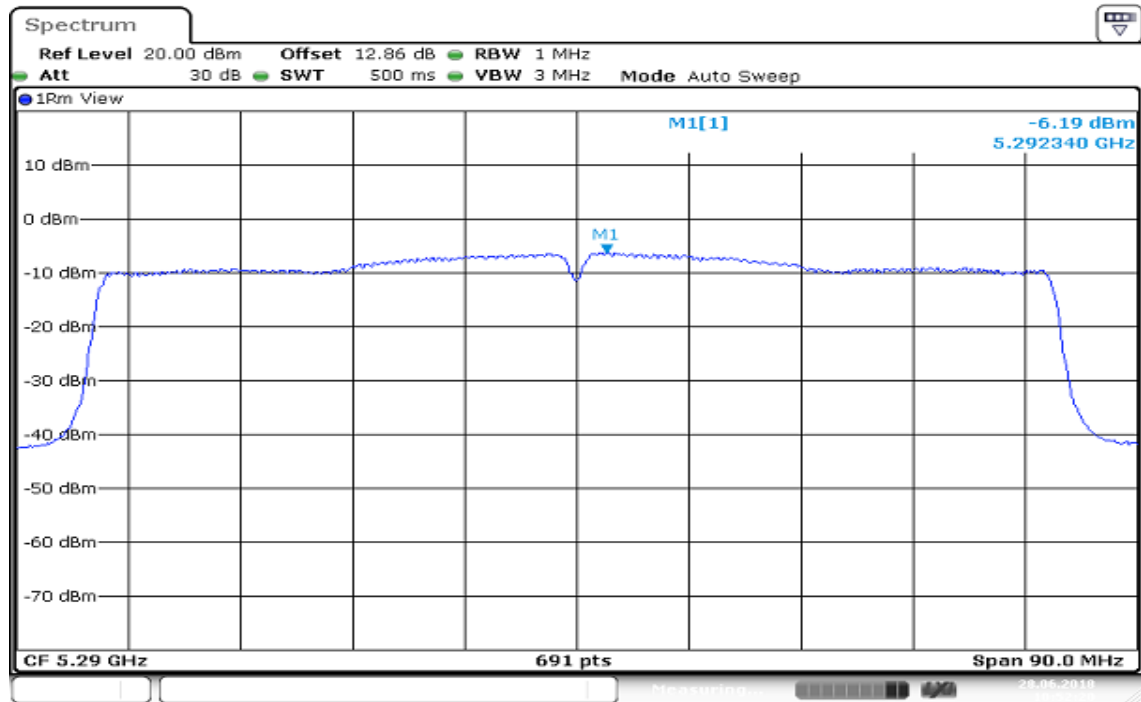
功率密度量測值 IEEE 802.11n HT40 Mode / 5270MHz / Chain 0



功率密度量測值 IEEE 802.11n HT40 Mode / 5310MHz / Chain 0



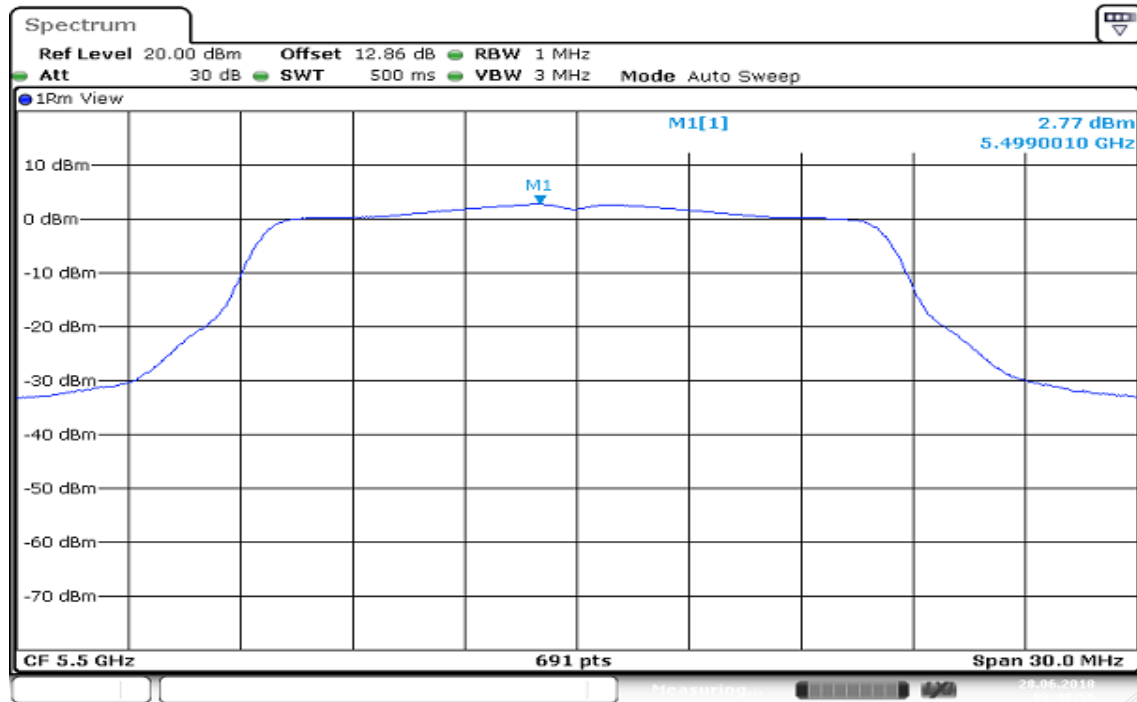
功率密度量測值 IEEE 802.11ac VHT 80 Mode / 5290MHz / Chain0



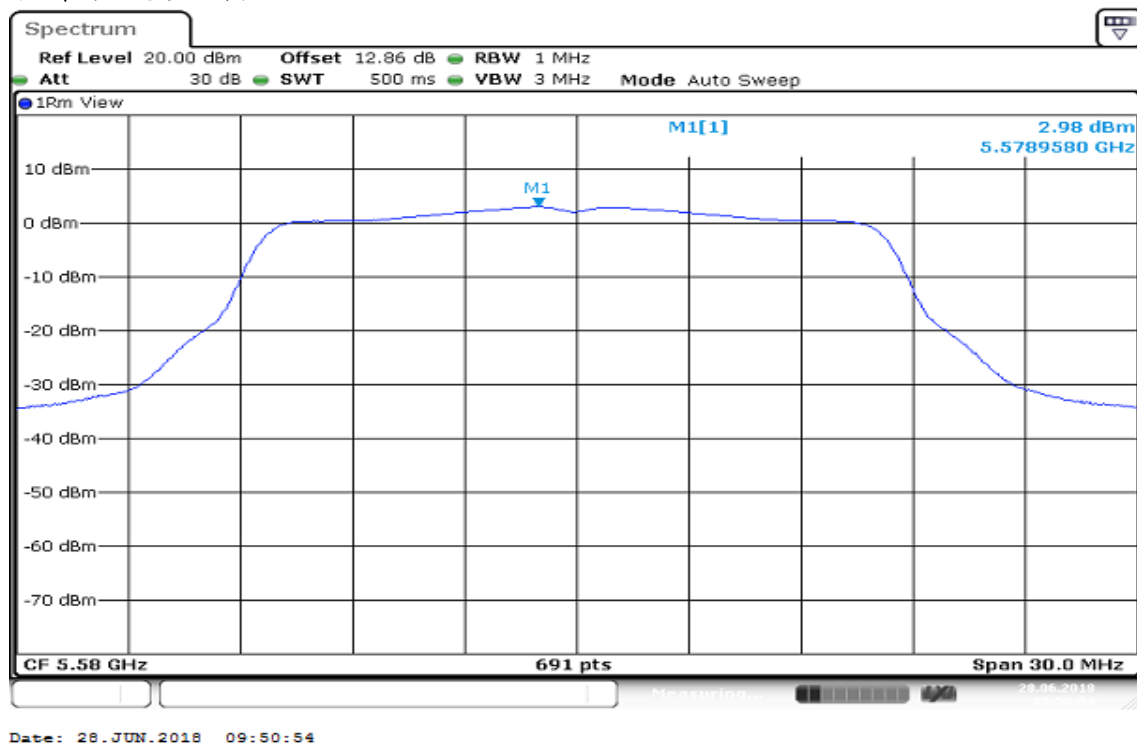
Date: 28.JUN.2018 10:52:20

Band III

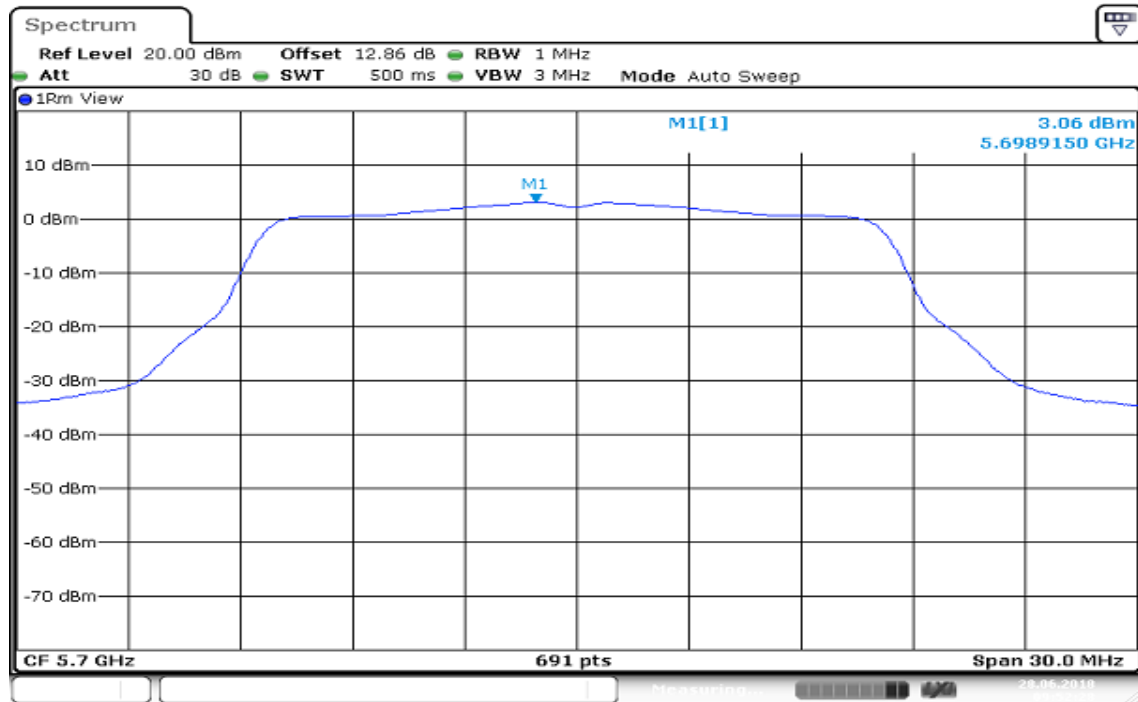
功率密度量測值 IEEE 802.11a Mode / 5500MHz / Chain 0



功率密度量測值 IEEE 802.11a Mode / 5580MHz / Chain 0

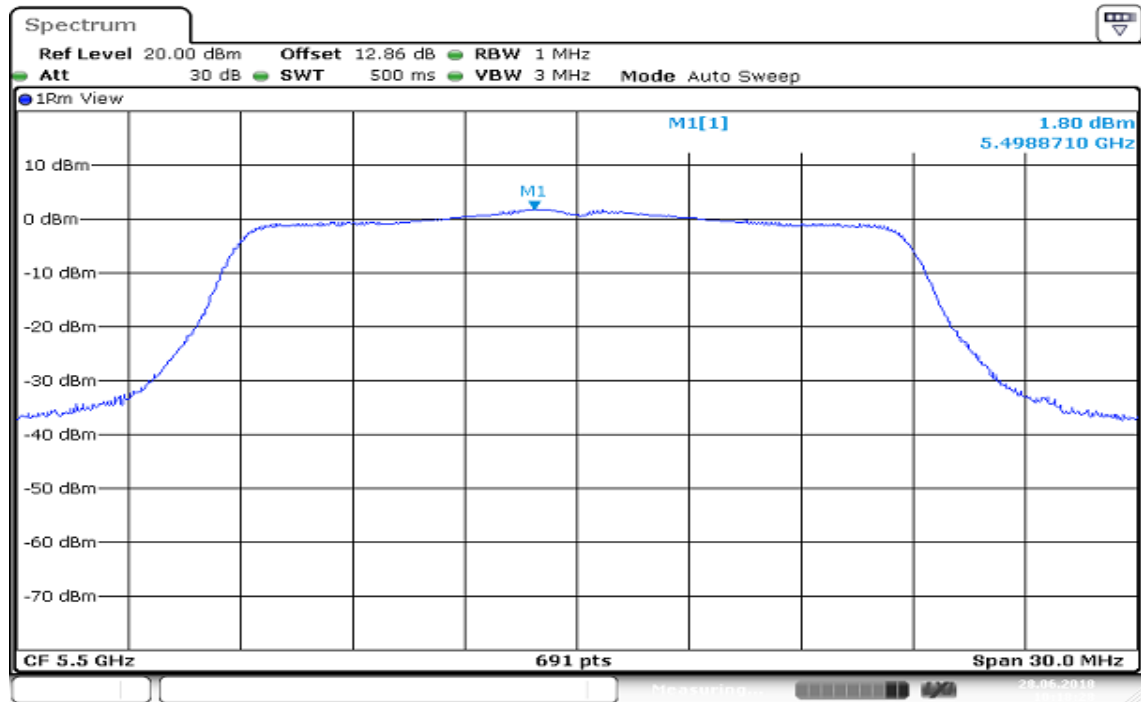


功率密度量測值 IEEE 802.11a Mode / 5700MHz / Chain 0

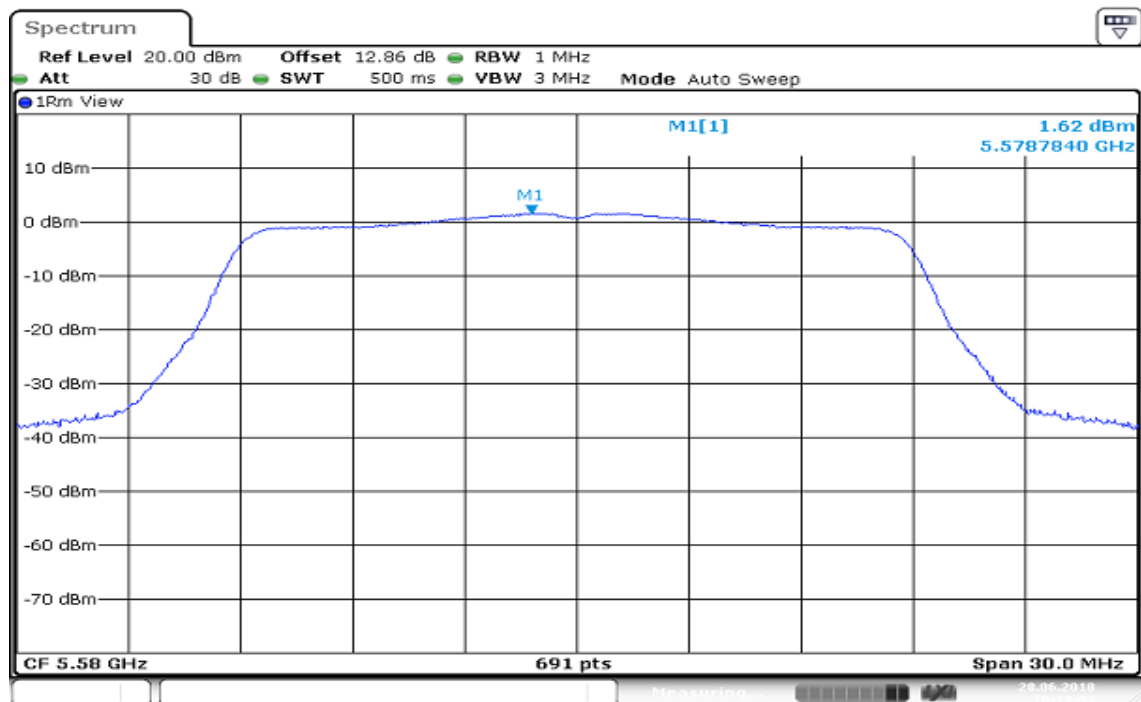


Date: 28.JUN.2018 09:52:28

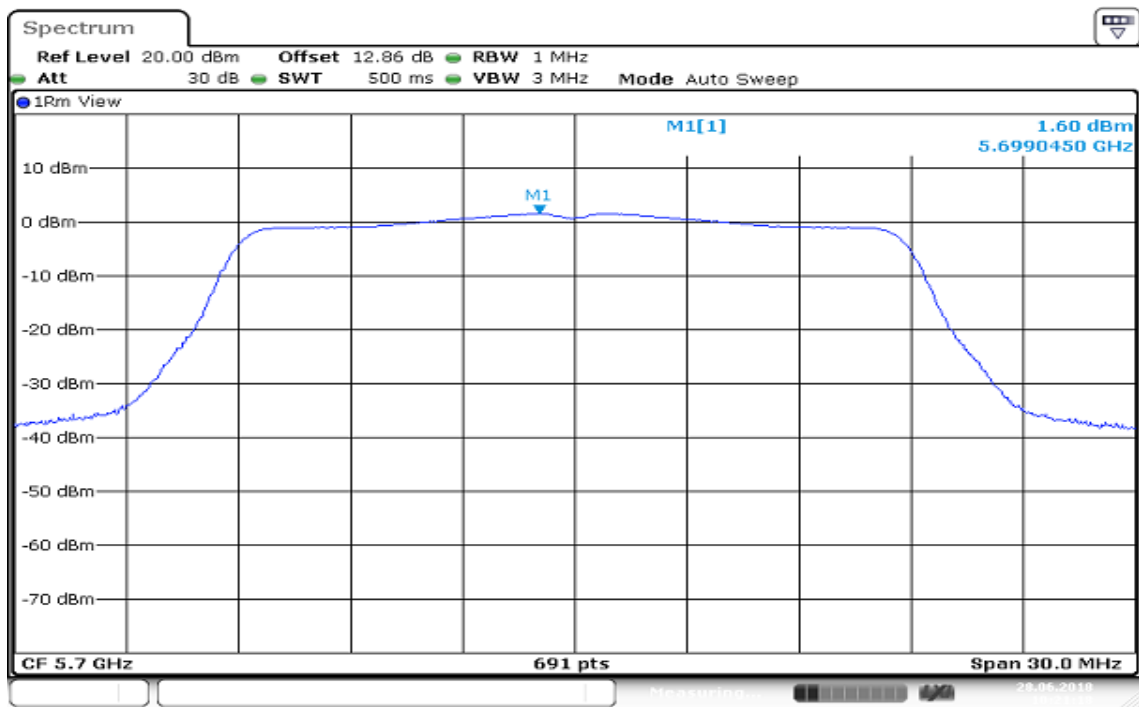
功率密度量測值 IEEE 802.11n HT20 Mode / 5500MHz / Chain 0



功率密度量測值 IEEE 802.11n HT20 Mode / 5580MHz / Chain 0

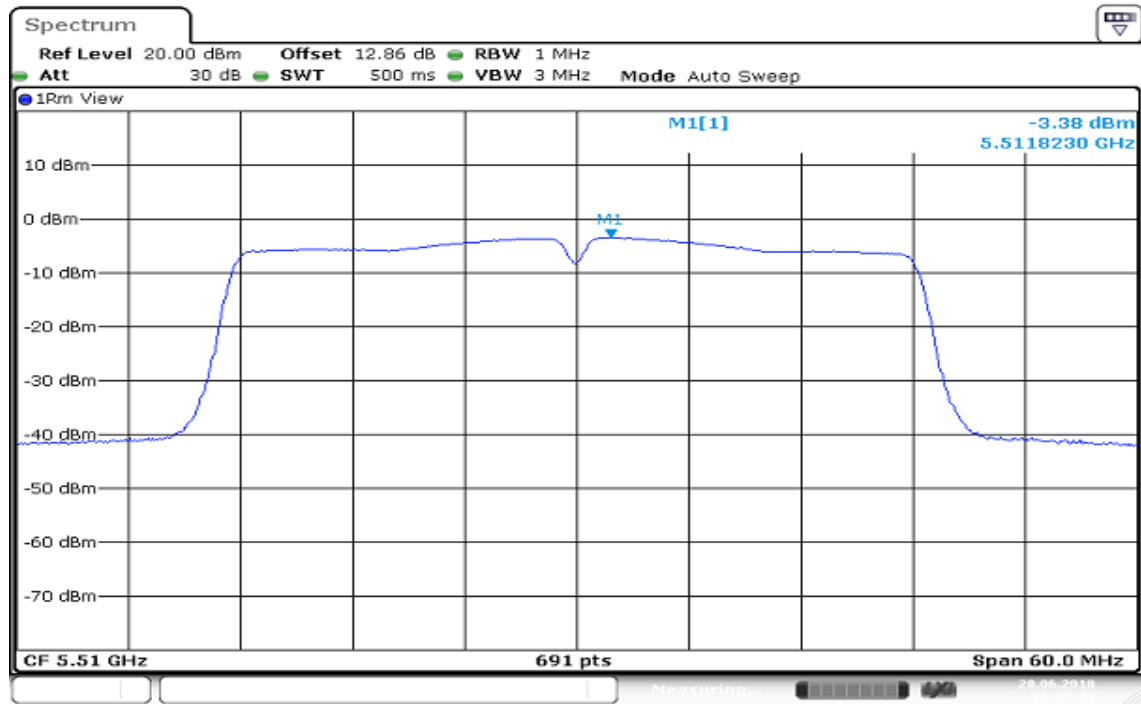


功率密度量測值 IEEE 802.11n HT20 Mode / 5700MHz / Chain 0

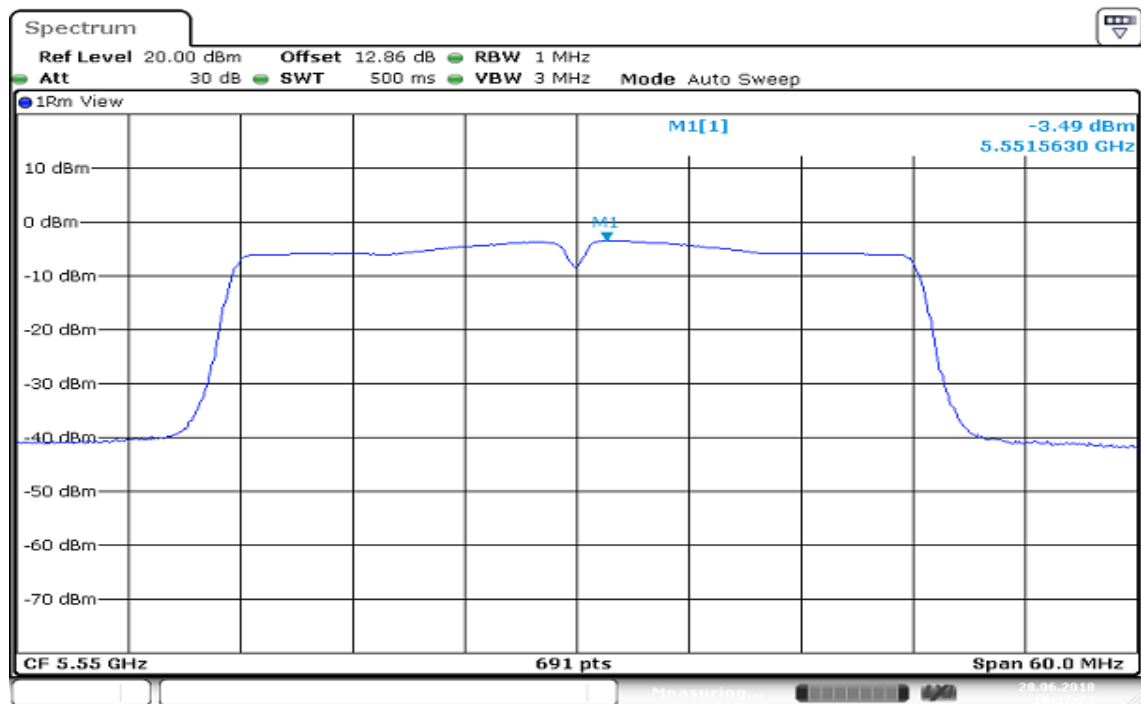


Date: 28.JUN.2018 10:21:18

功率密度量測值 IEEE 802.11n HT40 Mode / 5510MHz / Chain 0



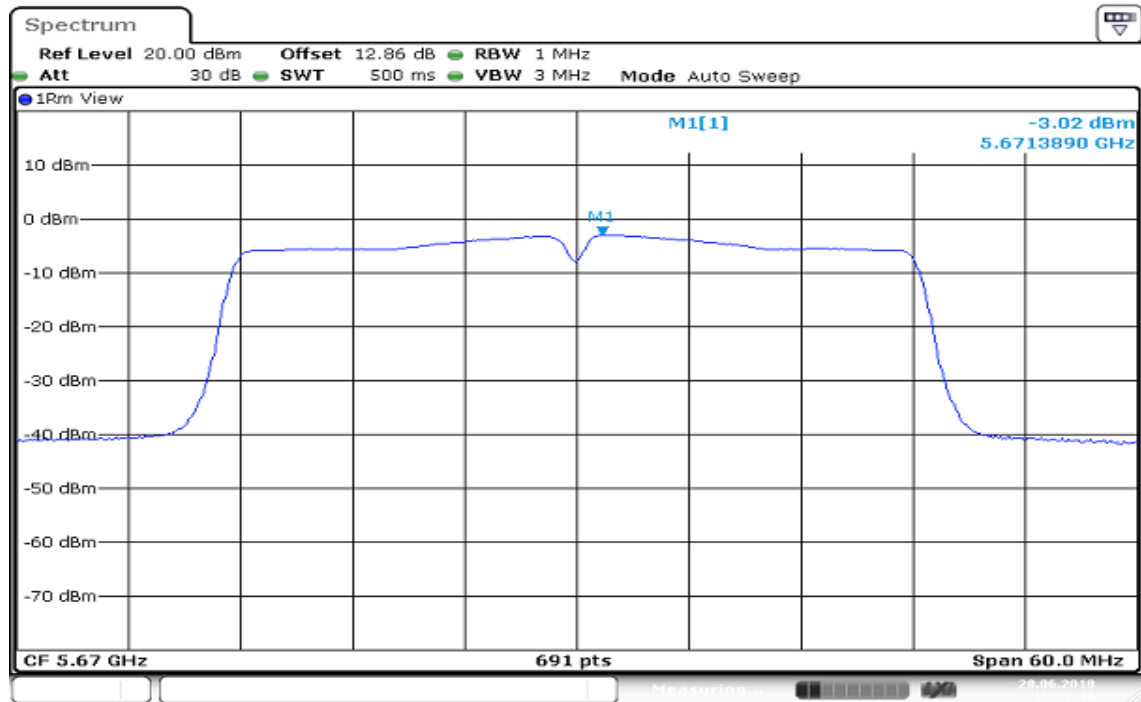
功率密度量測值 IEEE 802.11n HT40 Mode / 5550MHz / Chain 0



Report No.: T180522D10-RD4

Page: 228/239
Rev.: 00

功率密度量測值 IEEE 802.11n HT40 Mode / 5670MHz / Chain 0



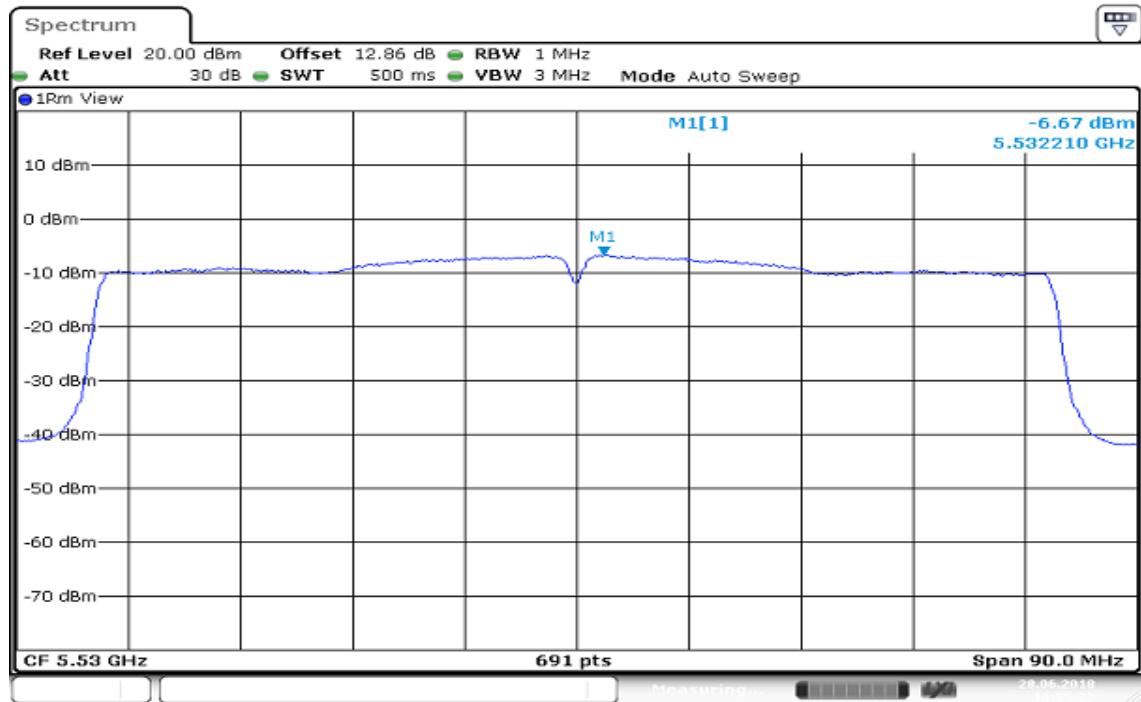
Date: 28 JUN 2018 10:38:40



Report No.: T180522D10-RD4

Page: 229/239
Rev.: 00

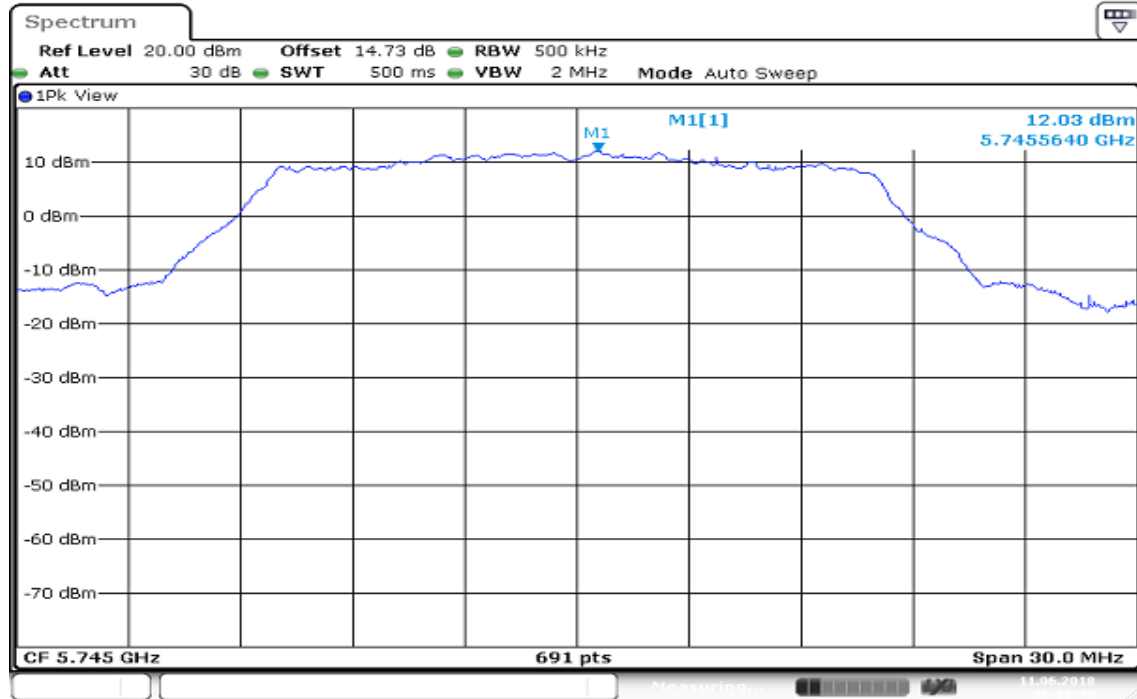
功率密度量測值 IEEE 802.11ac VHT 80 Mode / 5530MHz / Chain 0



Date: 28.JUN.2018 10:55:22

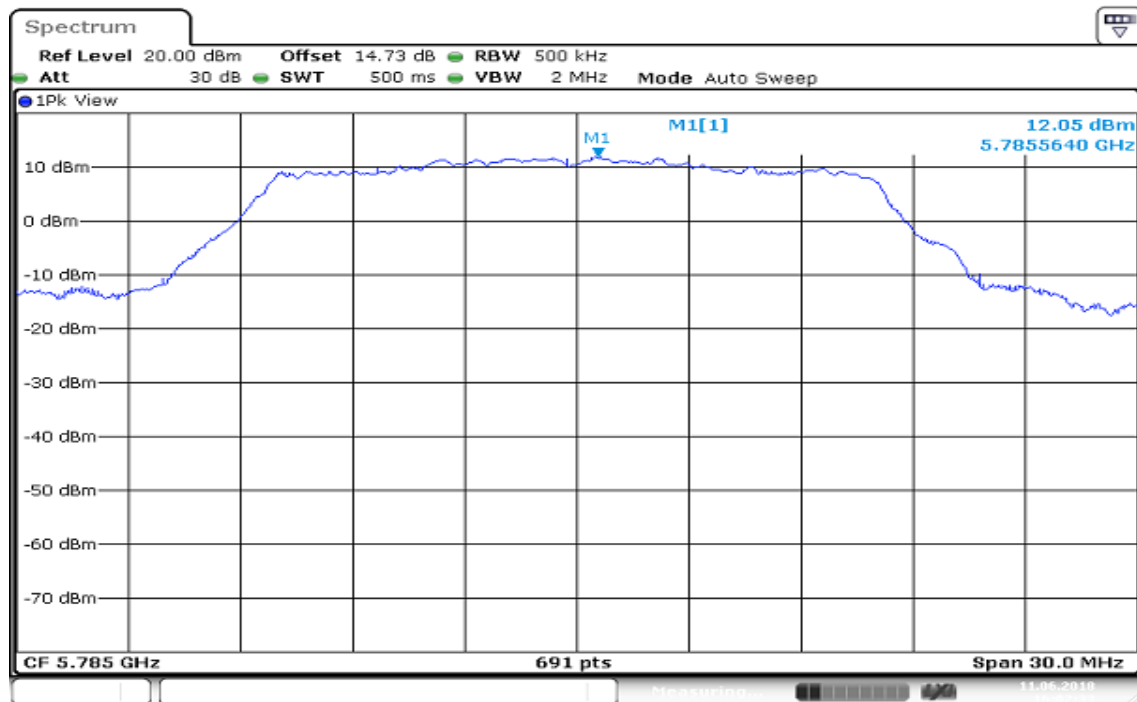
Band IV

功率密度量測值 IEEE 802.11a Mode/ 5745MHz / Chain 0



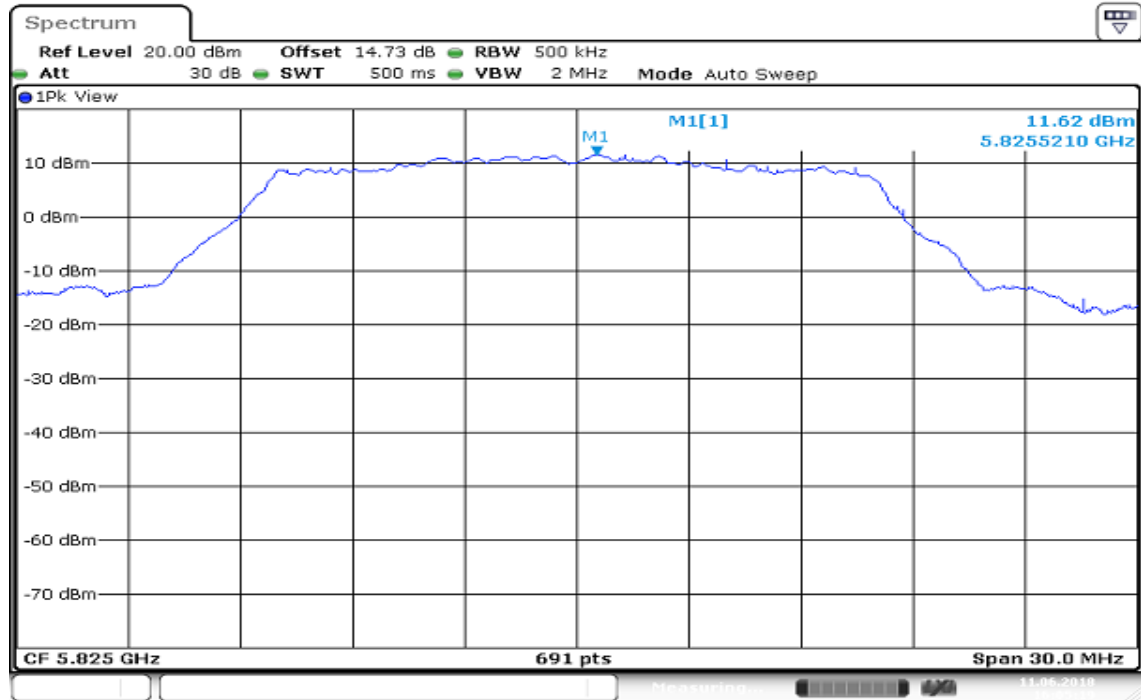
Date: 11 JUN 2018 16:01:31

功率密度量測值 IEEE 802.11a Mode/ 5785MHz / Chain 0



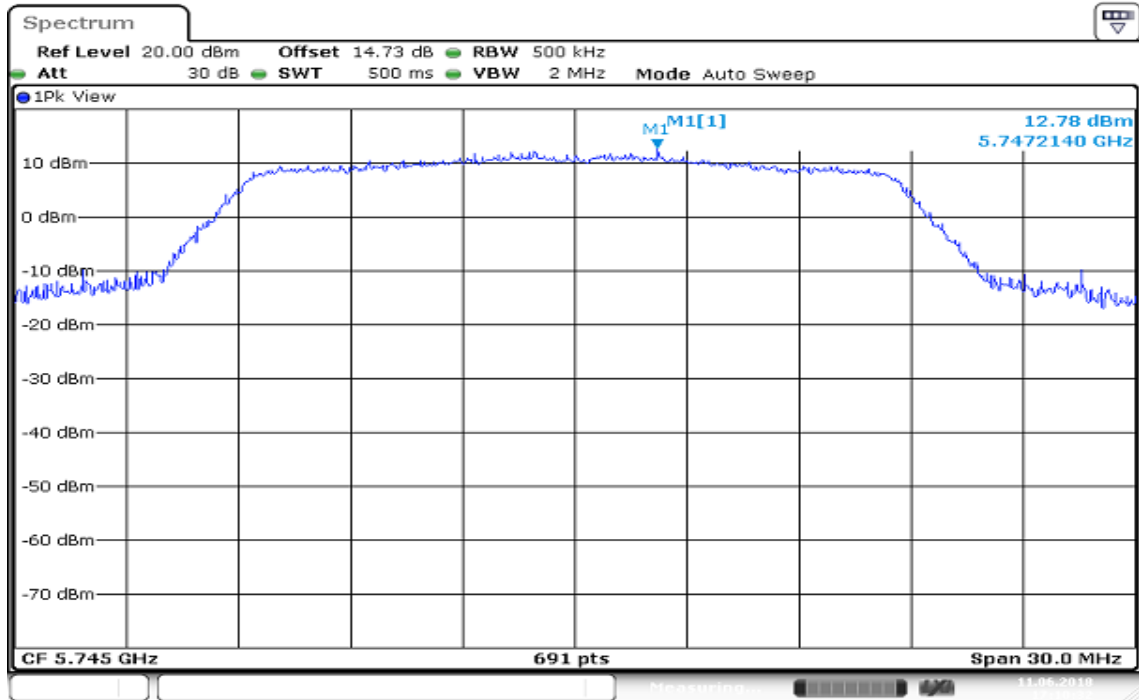
Date: 11 JUN 2018 16:02:33

功率密度量測值 IEEE 802.11a Mode/ 5825MHz / Chain 0

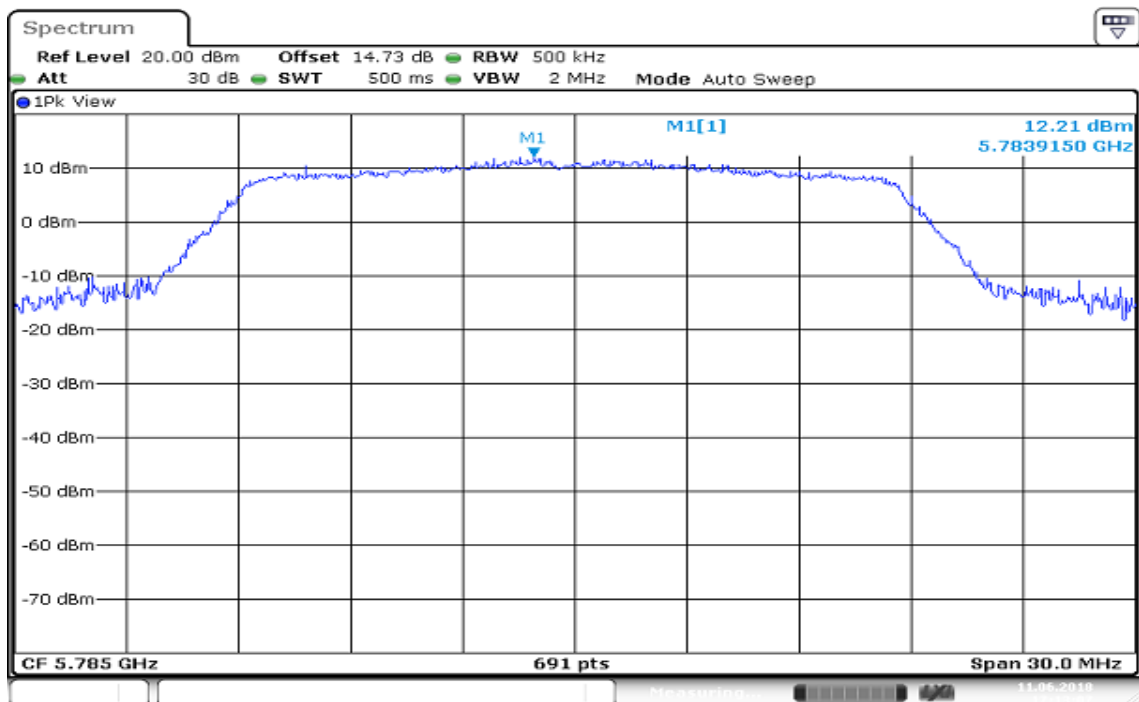


Date: 11 JUN 2018 16:05:20

功率密度量測值 IEEE 802.11n HT20 Mode/ 5745MHz / Chain 0



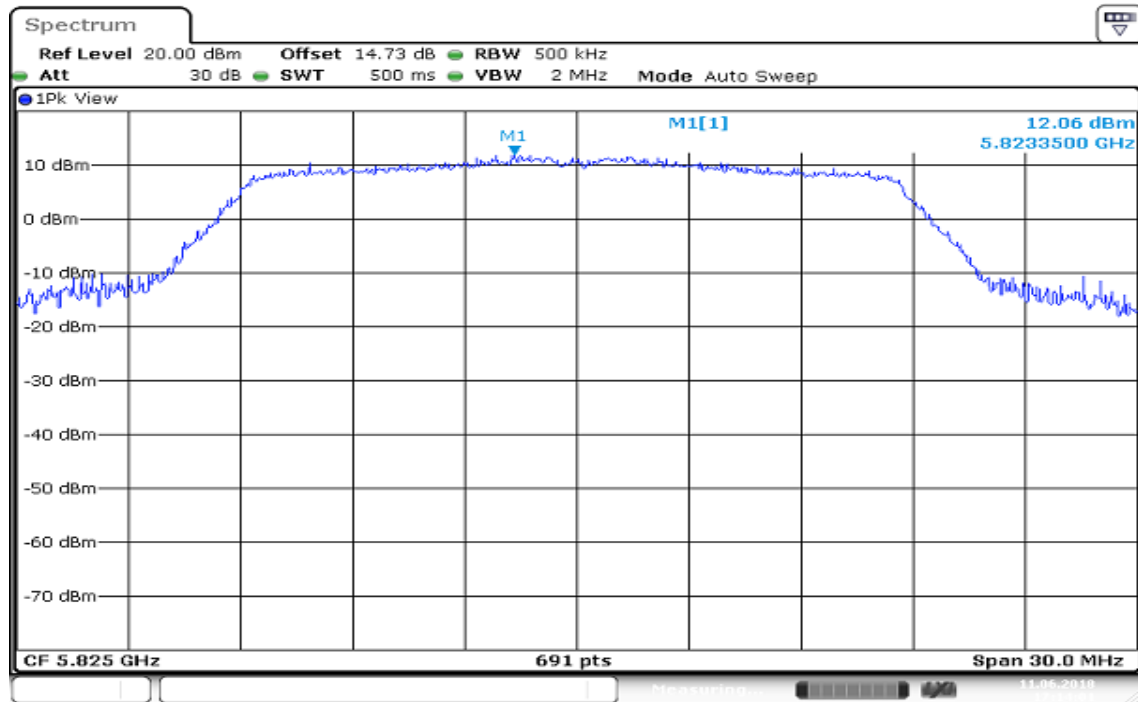
功率密度量測值 IEEE 802.11n HT20 Mode/ 5785MHz / Chain 0



Report No.: T180522D10-RD4

Page: 233/239
Rev.: 00

功率密度量測值 IEEE 802.11n HT20 Mode/ 5825MHz / Chain 0

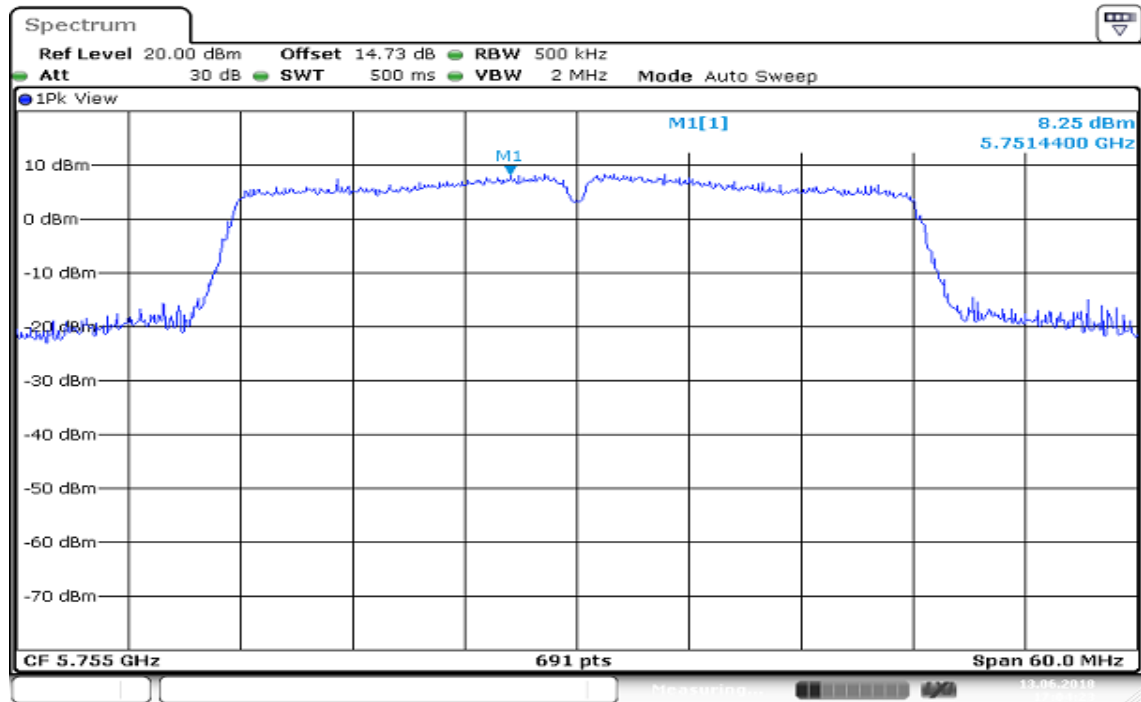


Date: 11 JUN 2018 17:14:01

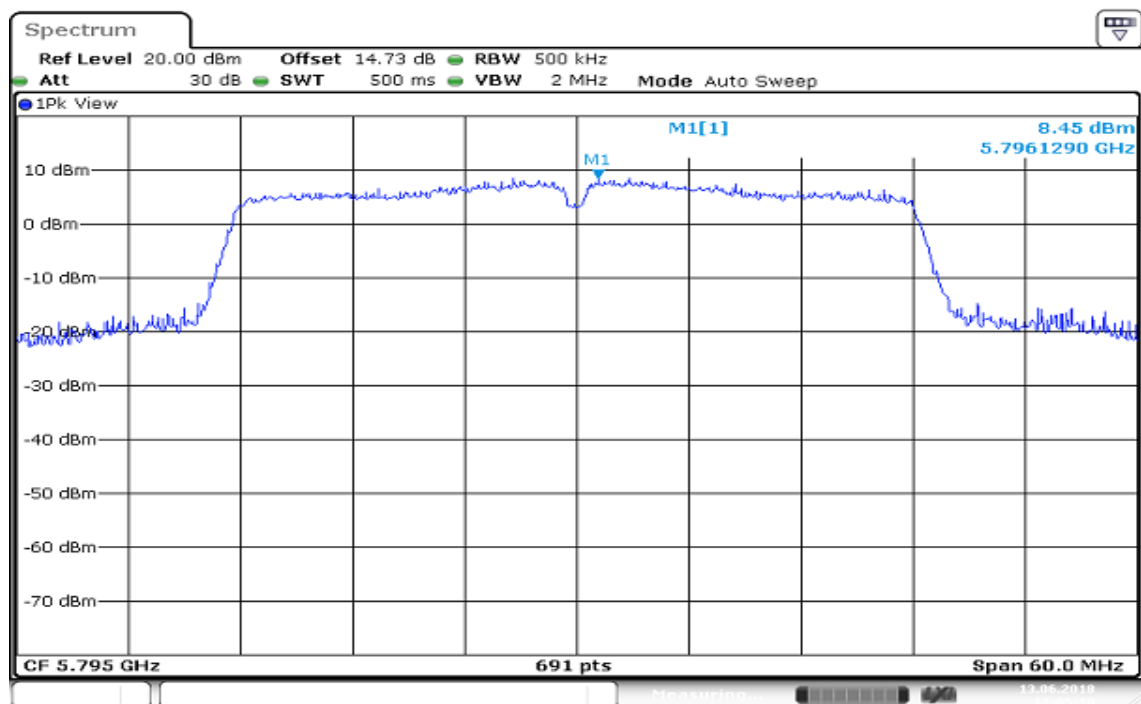
Report No.: T180522D10-RD4

Page: 234/239
Rev.: 00

功率密度量測值 IEEE 802.11n HT40 Mode/ 5755MHz / Chain 0



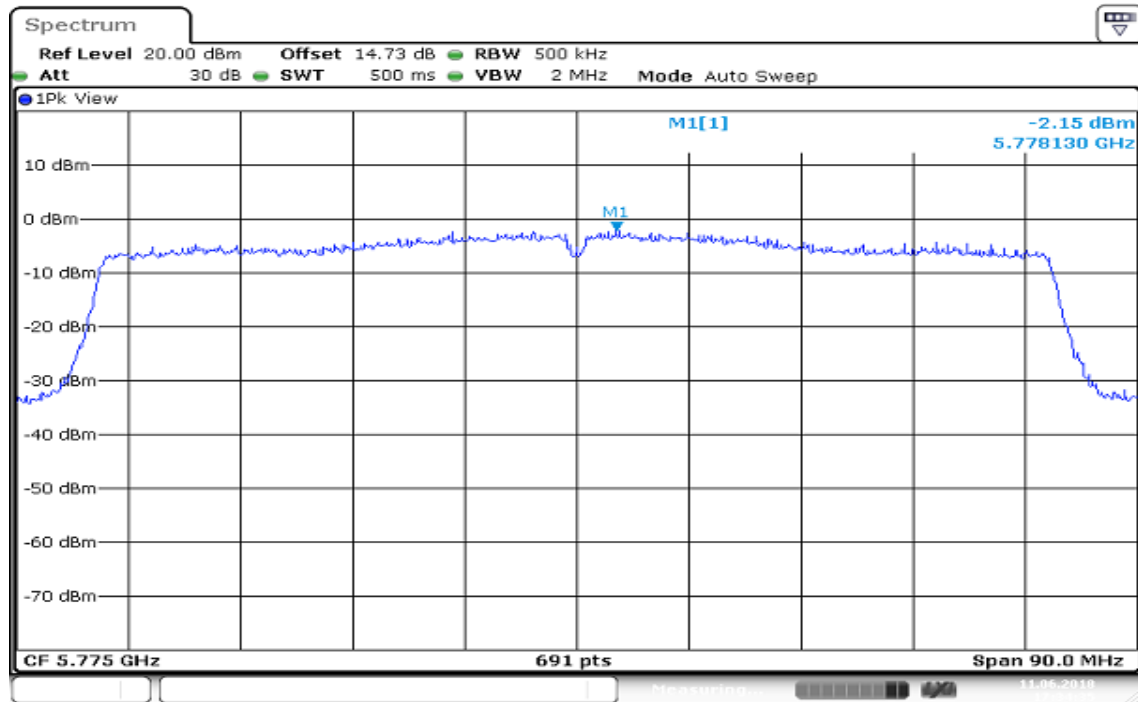
功率密度量測值 IEEE 802.11n HT40 Mode/ 5795MHz / Chain 0



Report No.: T180522D10-RD4

Page: 235/239
Rev.: 00

功率密度量測值 IEEE 802.11ac VHT 80 Mode/ 5775MHz / Chain 0



Date: 11 JUN 2018 17:24:35