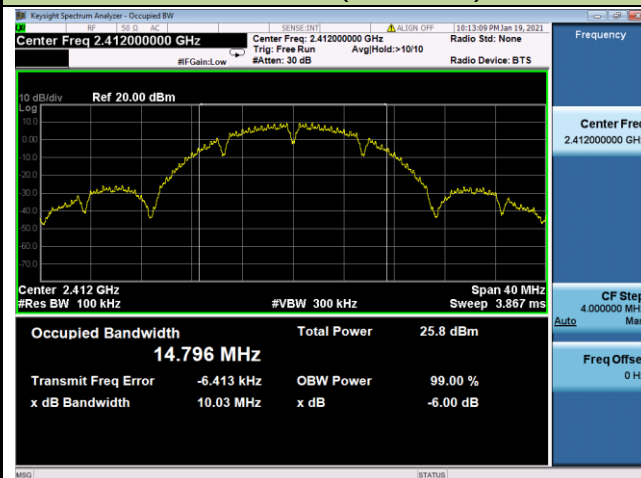
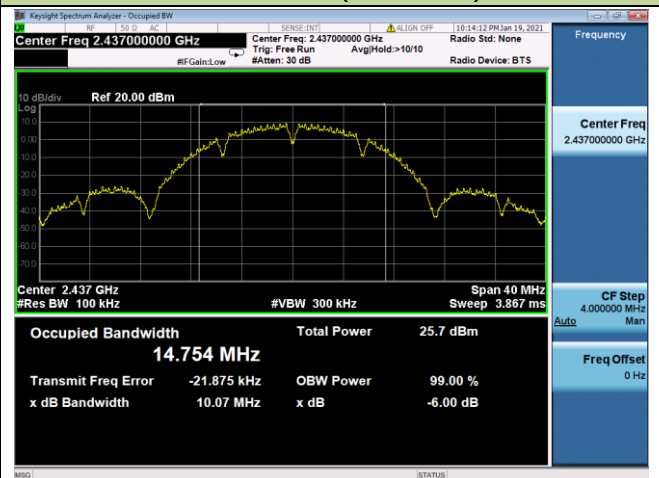


802.11b 6dB Bandwidth - Ant 0 / Ant 0 + 1

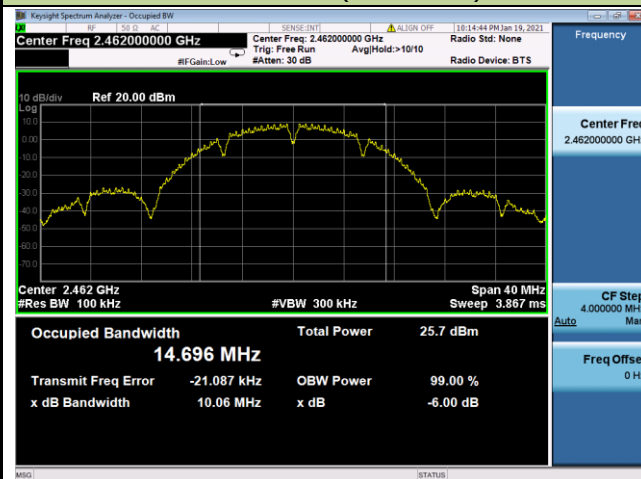
Channel 01 (2412MHz)



Channel 06 (2437MHz)

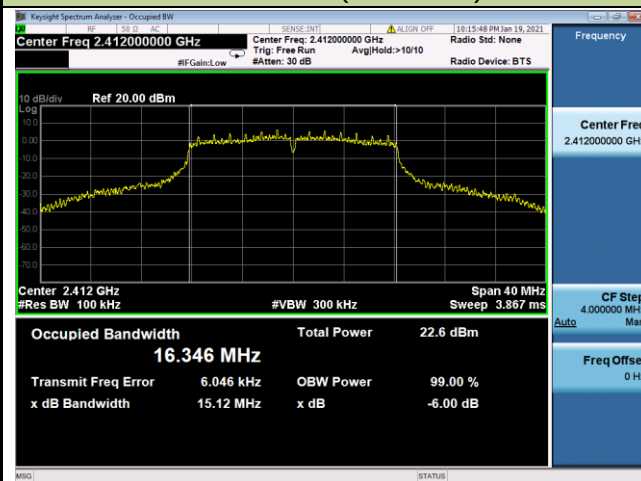


Channel 11 (2462MHz)

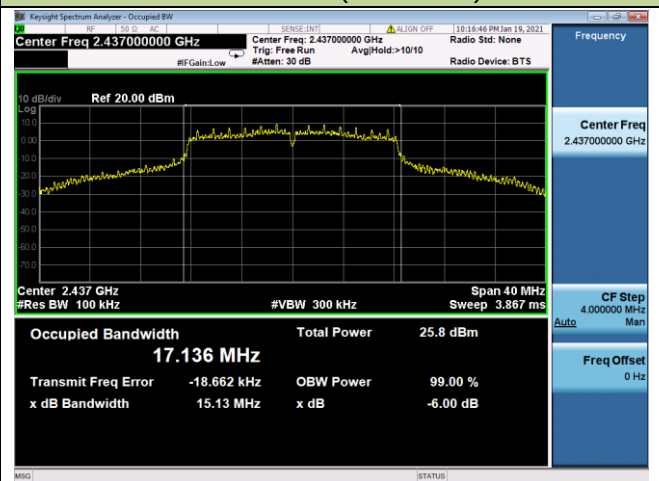


802.11g 6dB Bandwidth - Ant 0 / Ant 0 + 1

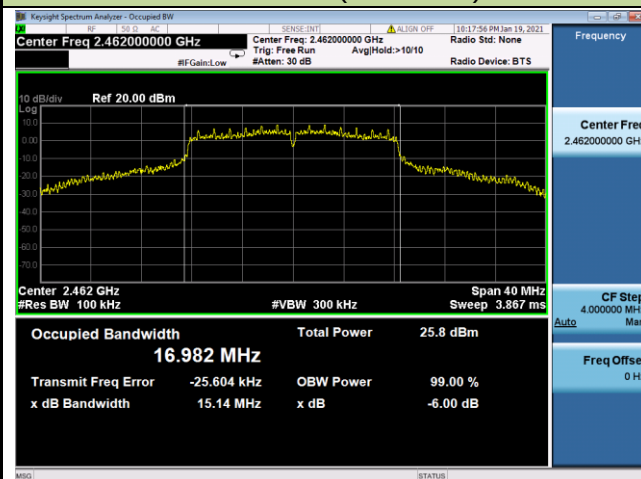
Channel 01 (2412MHz)



Channel 06 (2437MHz)

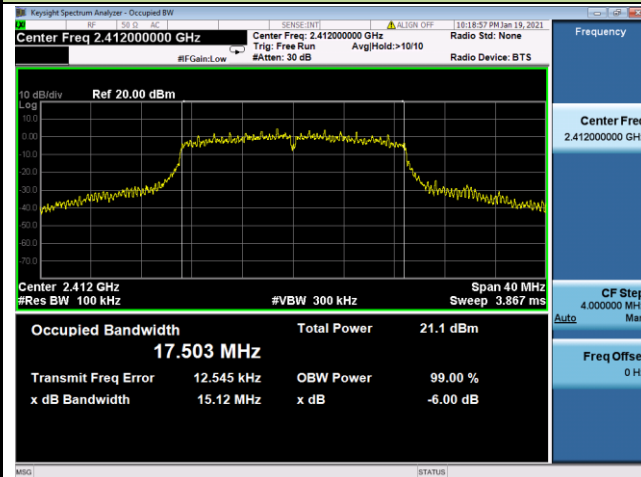


Channel 11 (2462MHz)

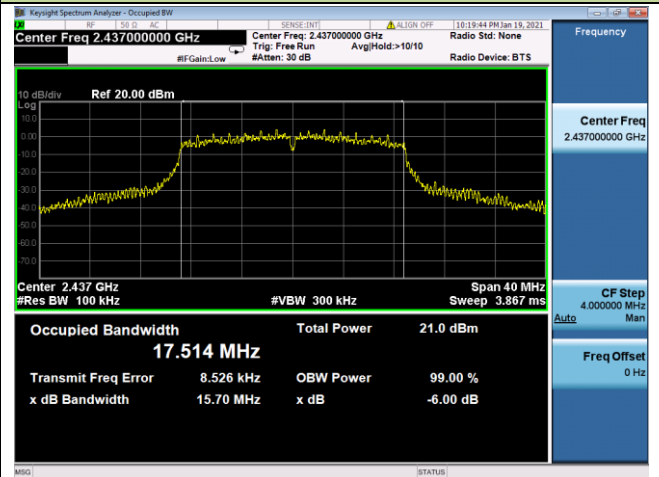


802.11n-HT20 6dB Bandwidth - Ant 0 / Ant 0 + 1

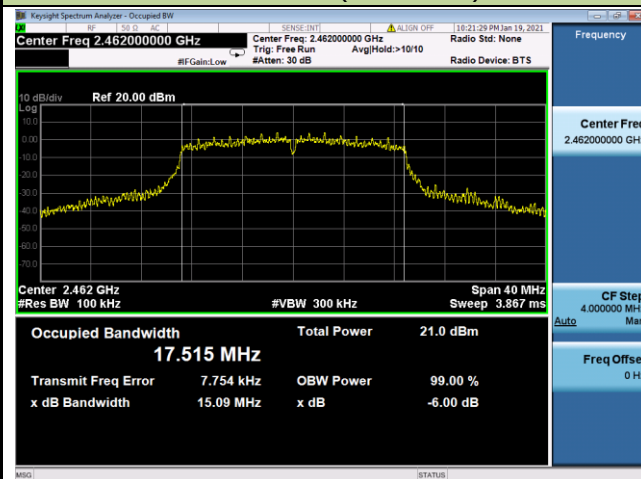
Channel 01 (2412MHz)



Channel 06 (2437MHz)

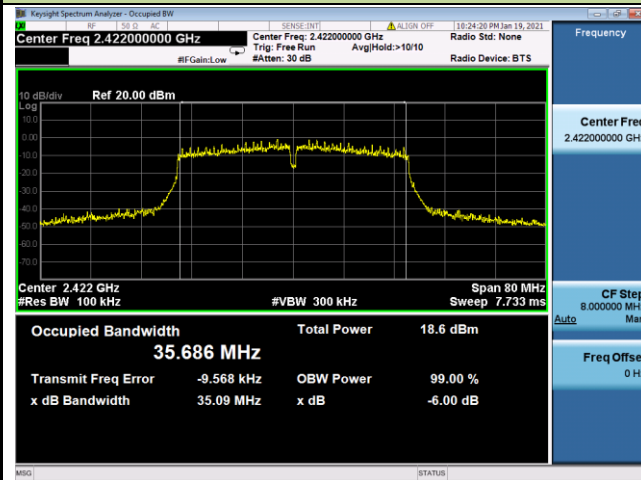


Channel 11 (2462MHz)

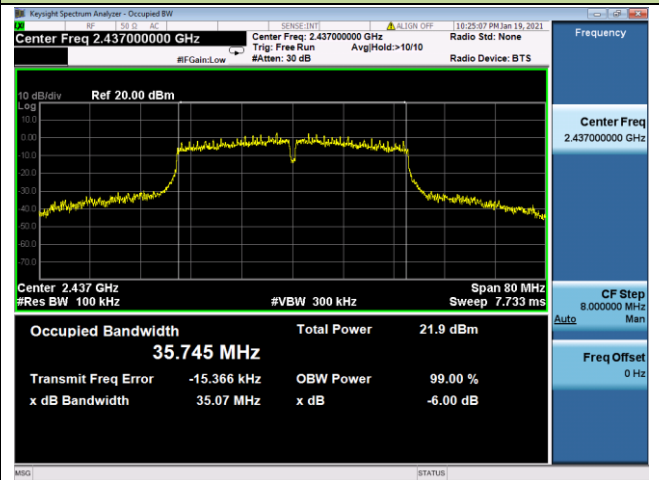


802.11n-HT40 6dB Bandwidth - Ant 0 / Ant 0 + 1

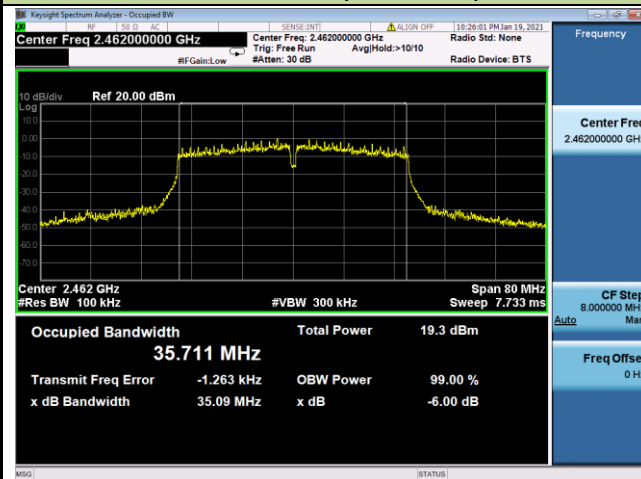
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



5.8. 發射電功率密度

5.8.1. 適用標準

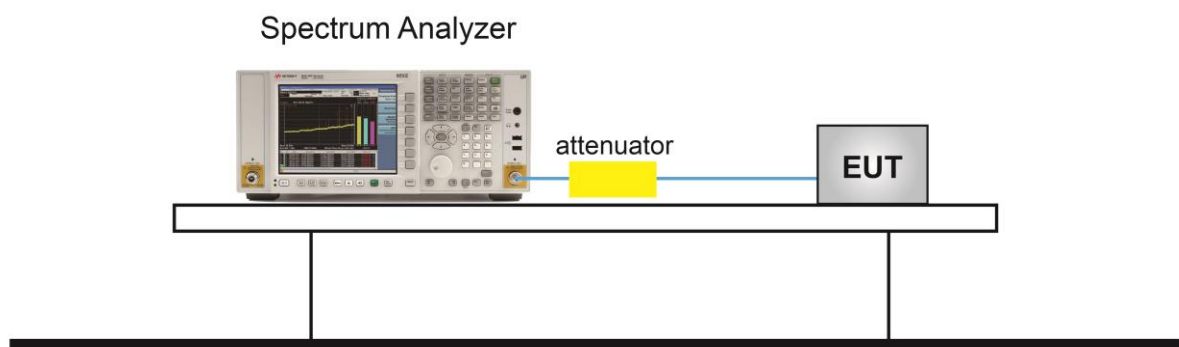
依據國家通訊傳播委員會低功率射頻器材技術規範之第 4.10.1.6(2)(B)節，在使用頻率範圍之任意 3 千赫(kHz)頻寬內，由發射機傳導至天線之峰值發射電功率密度在任意期間內，皆不得大於 8dBm。

5.8.2. 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀 RF 輸入端。找出發射峰值並擴展於通帶內，設定頻譜分析儀之解析度頻寬為 3kHz，視訊頻寬大於解析度頻寬，掃瞄時間為頻率掃瞄範圍除以 3kHz。
($\text{SWEEP TIME} = \text{SPAN}/3\text{kHz}$)。

待測物應在正常發射狀態下量測。

5.8.3. 測試架構圖



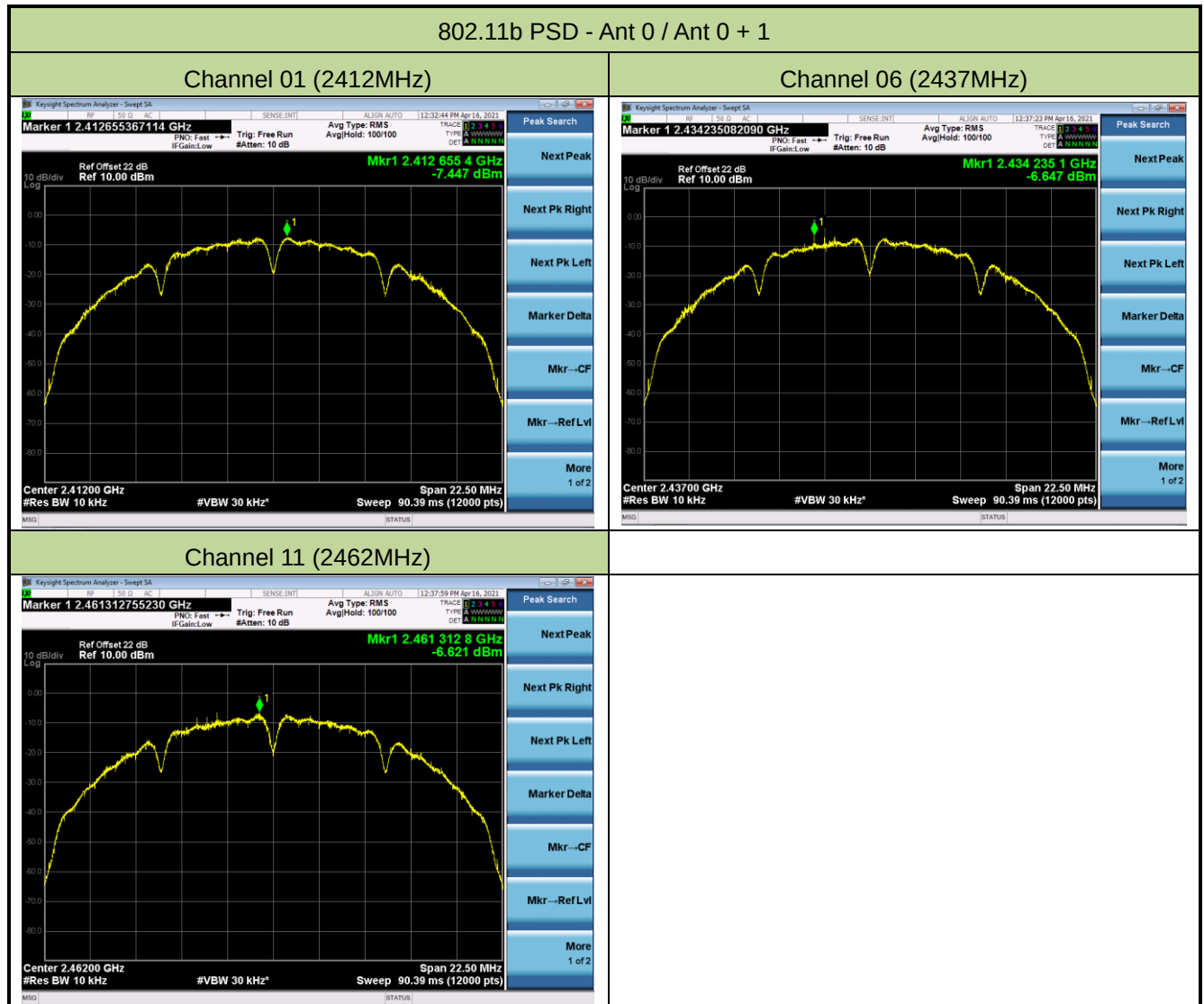
5.8.4. 功率密度量測結果

待測物名稱	AC1200 Wi-Fi 訊號延伸器	溫度	25°C
測試工程師	Kevin Ker	濕度	54%
測試場地	SR1	測試日期	2021/04/16
測試項目	Power Spectral Density	測試模式	CDD Mode

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/10kHz)	Ant 1 PSD (dBm/10kHz)	Duty Cycle (%)	Total PSD (dBm/10kHz)	Limit (dBm/3kHz)	Result
802.11b	1Mbps	01	2412	-7.45	-6.82	99.29	-4.11	≤ 8.00	Pass
802.11b	1Mbps	06	2437	-6.65	-7.12	99.29	-3.91	≤ 8.00	Pass
802.11b	1Mbps	11	2462	-6.62	-7.24	99.29	-9.19	≤ 8.00	Pass
802.11g	6Mbps	01	2412	-11.36	-10.72	97.01	-8.89	≤ 8.00	Pass
802.11g	6Mbps	06	2437	-8.17	-7.38	97.01	-4.19	≤ 8.00	Pass
802.11g	6Mbps	11	2462	-12.92	-11.59	97.01	-9.63	≤ 8.00	Pass
802.11n-HT20	MCS0	01	2412	-11.86	-12.62	92.83	-14.70	≤ 8.00	Pass
802.11n-HT20	MCS0	06	2437	-7.38	-7.67	92.83	-11.23	≤ 8.00	Pass
802.11n-HT20	MCS0	11	2462	-12.78	-13.15	92.83	-13.80	≤ 8.00	Pass
802.11n-HT40	MCS0	03	2422	-18.24	-18.29	88.04	-4.11	≤ 8.00	Pass
802.11n-HT40	MCS0	06	2437	-15.14	-14.48	88.04	-3.91	≤ 8.00	Pass
802.11n-HT40	MCS0	09	2452	-17.44	-17.29	88.04	-9.19	≤ 8.00	Pass

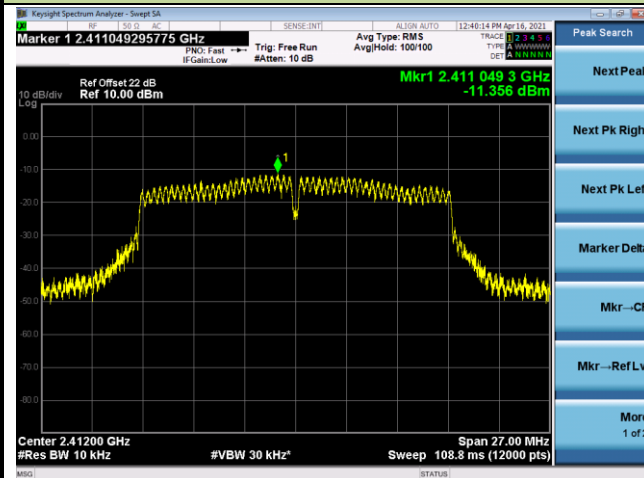
Note: For 802.11b/g/n, When EUT duty cycle ≤ 98%, Total AVGPSPD = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSPD}/10)} + 10^{(\text{Ant 1 AVGPSPD}/10)}\} + 10 \cdot \log (1/\text{Duty Cycle})$.

待測物名稱	AC1200 Wi-Fi 訊號延伸器	溫度	25°C
測試工程師	Kevin Ker	濕度	54%
測試場地	SR1	測試日期	2021/04/16
測試項目	Power Spectral Density	測試模式	CDD Mode

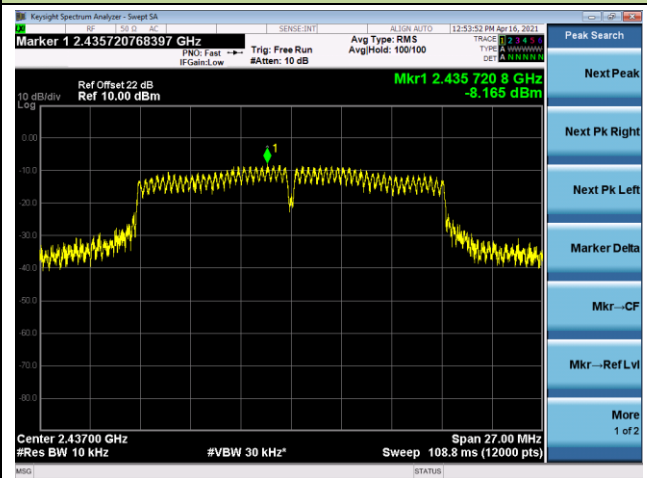


802.11g PSD - Ant 0 / Ant 0 + 1

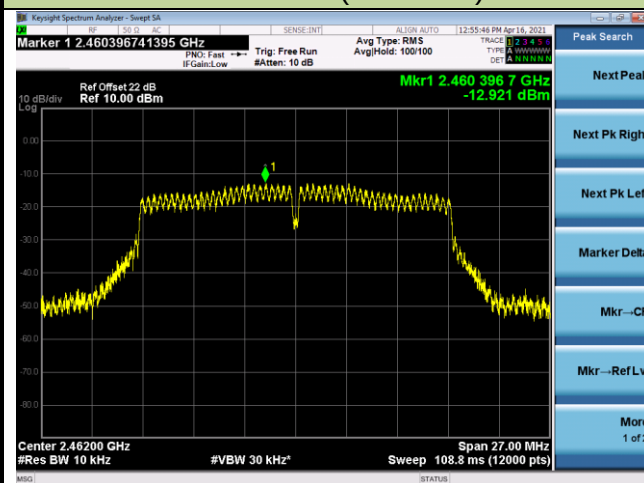
Channel 01 (2412MHz)



Channel 06 (2437MHz)

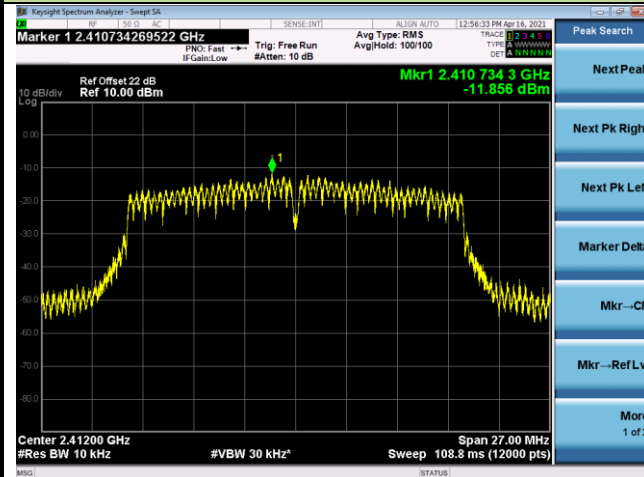


Channel 11 (2462MHz)

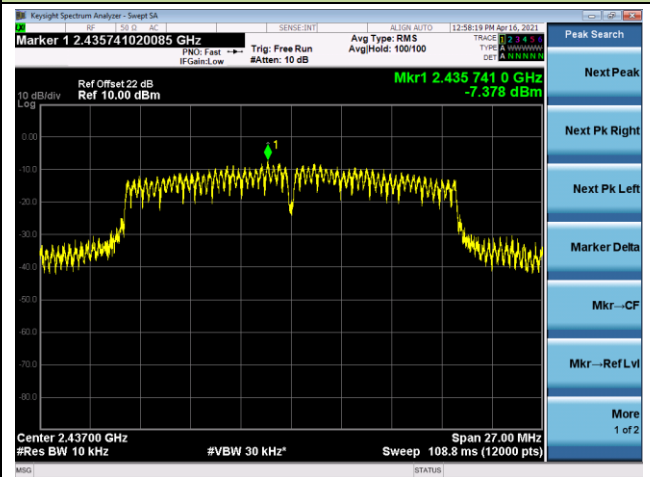


802.11n-HT20 PSD - Ant 0 / Ant 0 + 1

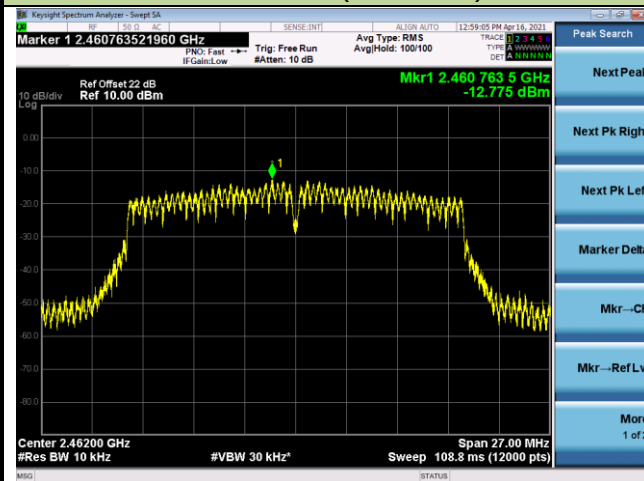
Channel 01 (2412MHz)



Channel 06 (2437MHz)

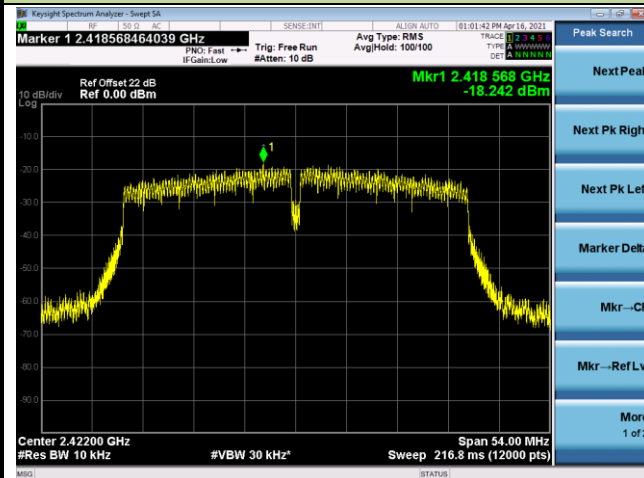


Channel 11 (2462MHz)

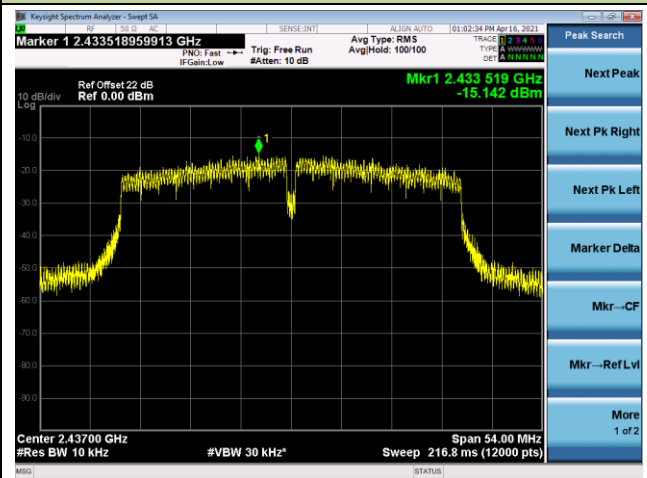


802.11n-HT40 PSD - Ant 0 / Ant 0 + 1

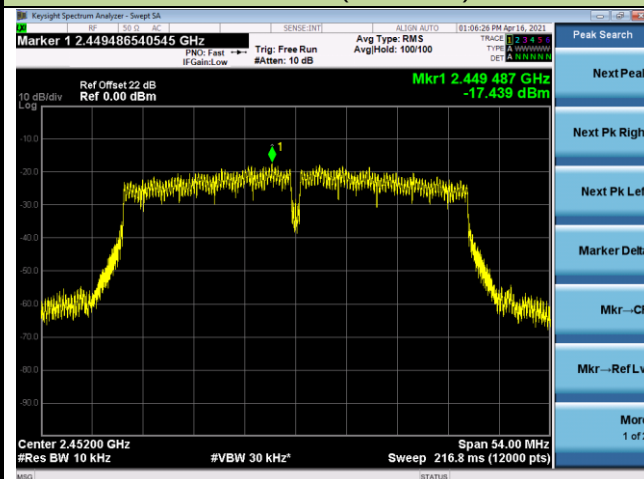
Channel 03 (2422MHz)



Channel 06 (2437MHz)

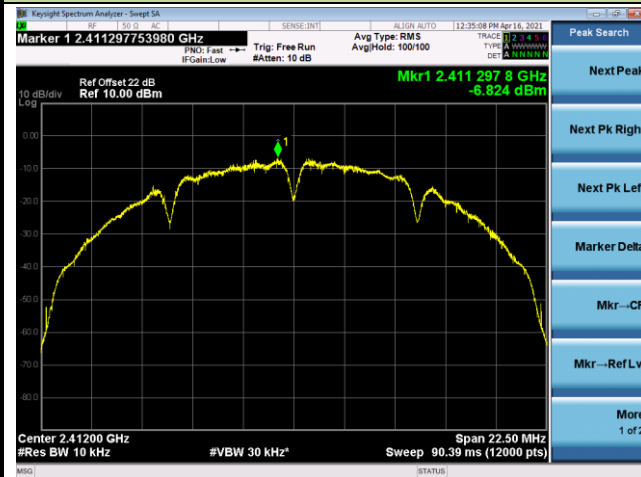


Channel 09 (2452MHz)



802.11b PSD - Ant 1 / Ant 0 + 1

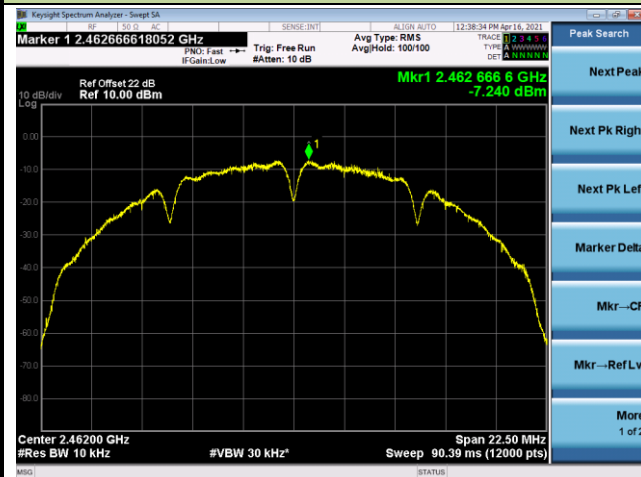
Channel 01 (2412MHz)



Channel 06 (2437MHz)

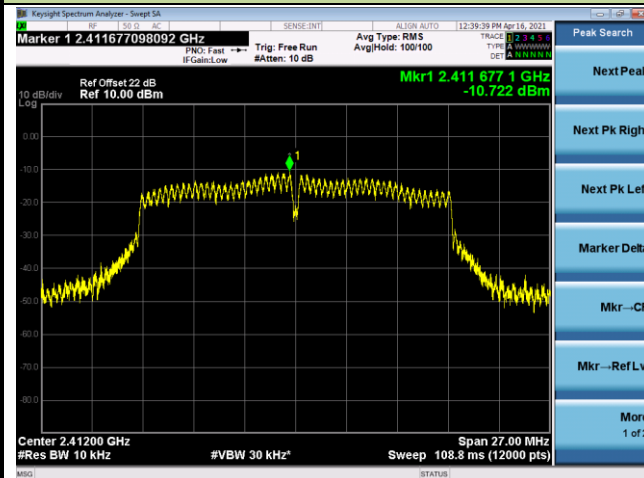


Channel 11 (2462MHz)

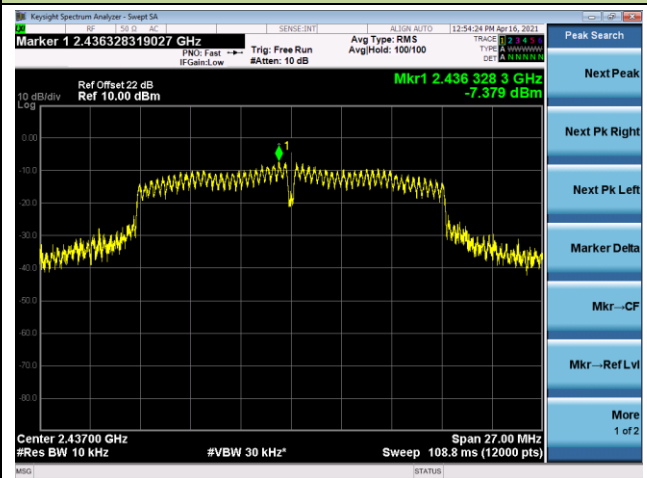


802.11g PSD - Ant 1 / Ant 0 + 1

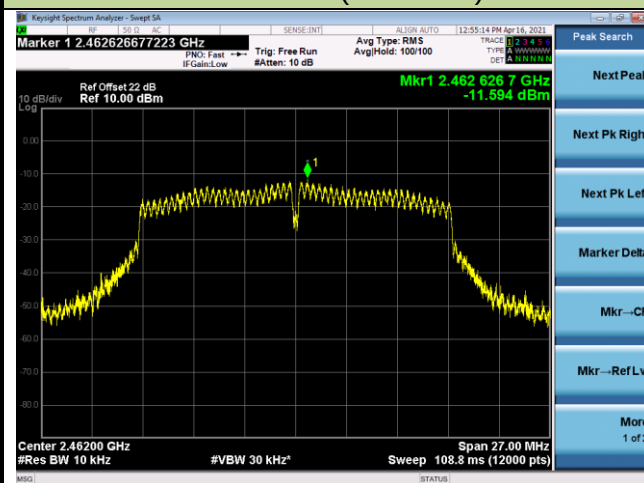
Channel 01 (2412MHz)



Channel 06 (2437MHz)

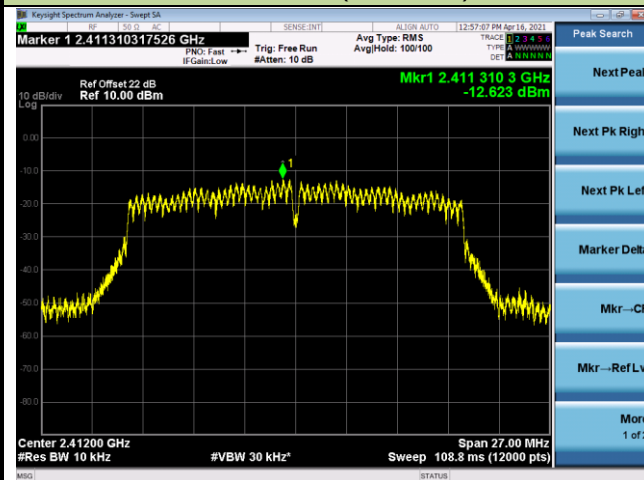


Channel 11 (2462MHz)

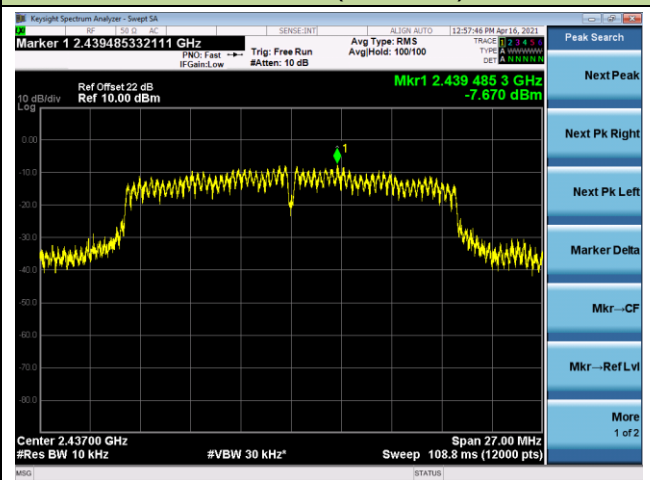


802.11n-HT20 PSD - Ant 1 / Ant 0 + 1

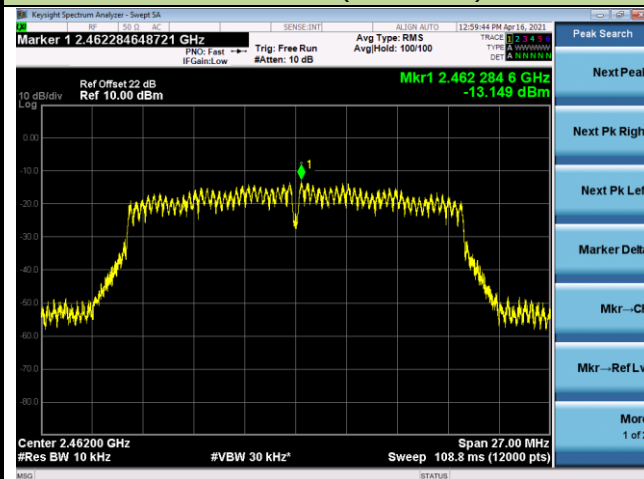
Channel 01 (2412MHz)



Channel 06 (2437MHz)

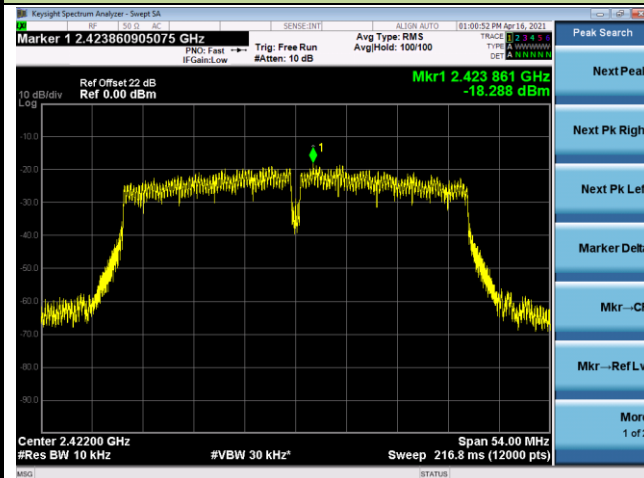


Channel 11 (2462MHz)

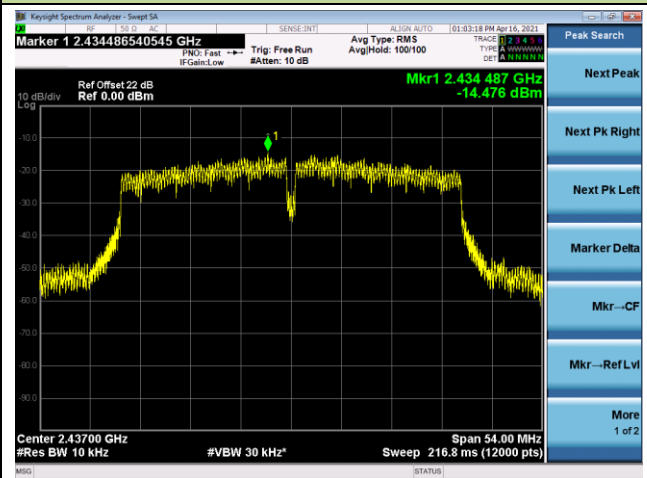


802.11n-HT40 PSD - Ant 1 / Ant 0 + 1

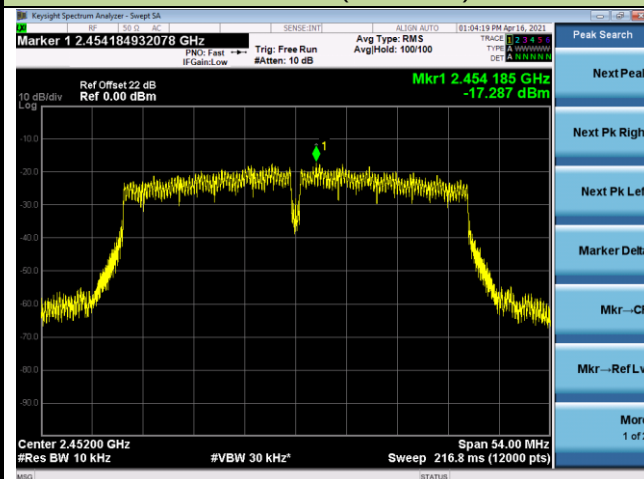
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



The End