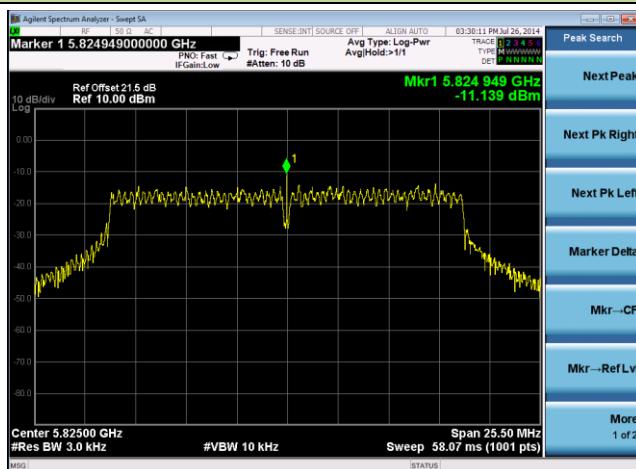
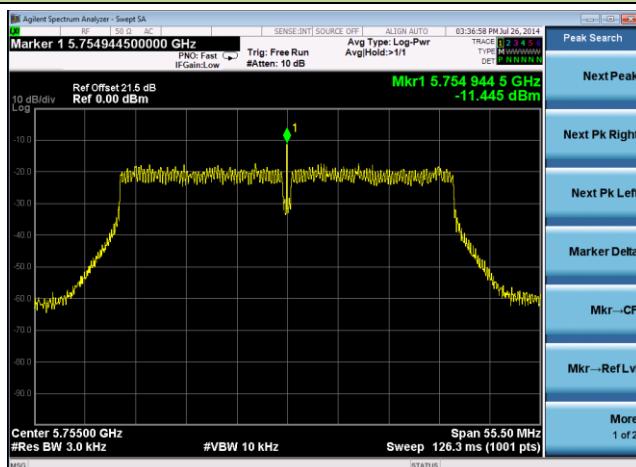


Channel 165 (5825MHz)

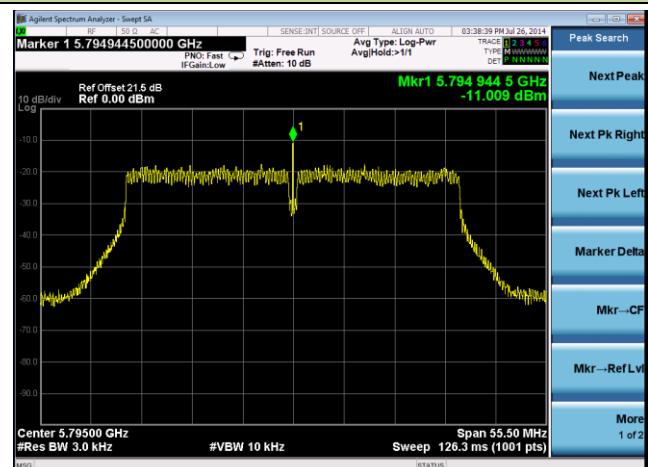


802.11n-HT40 PSD - Ant 0 / Ant 0 + 1 + 2 + 3, Beam Forming

Channel 151 (5755MHz)

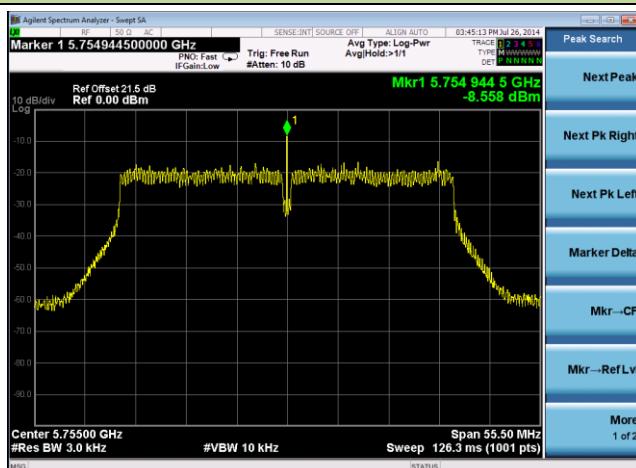


Channel 159 (5795MHz)

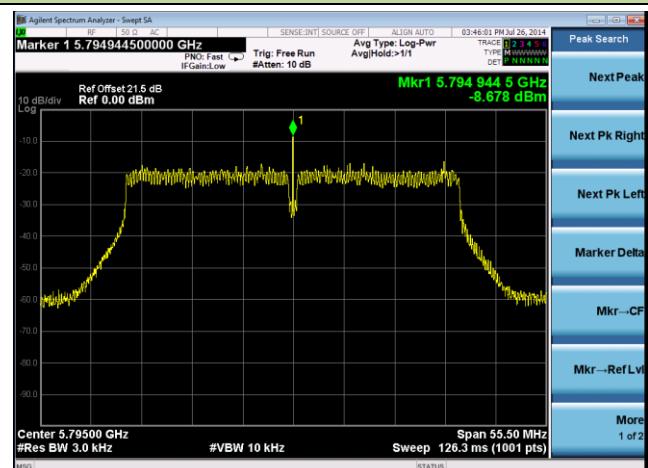


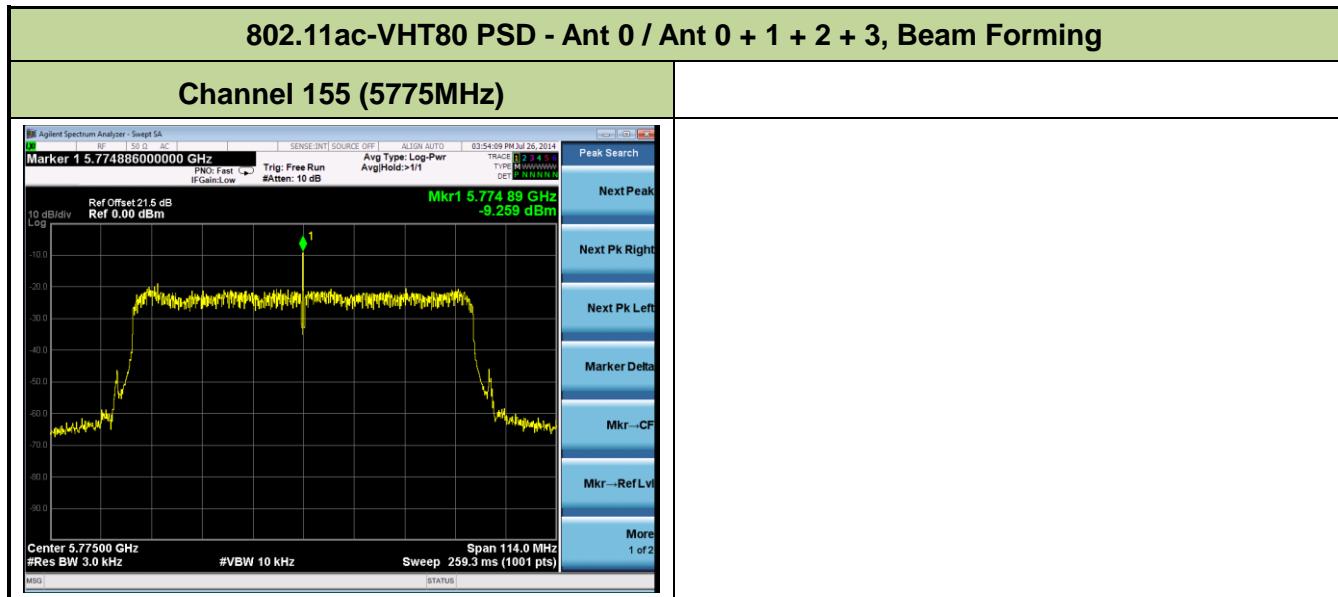
802.11ac-VHT40 PSD - Ant 0 / Ant 0 + 1 + 2 + 3, Beam Forming

Channel 151 (5755MHz)



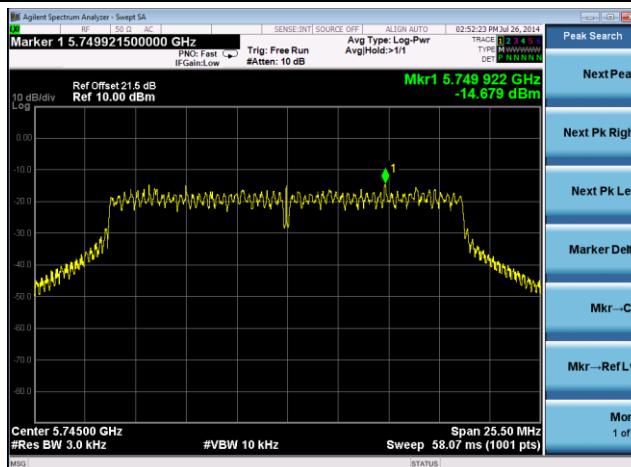
Channel 159 (5795MHz)



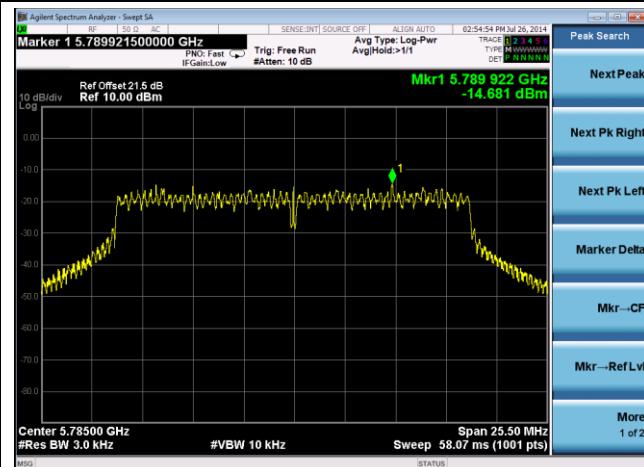


802.11n-HT20 PSD - Ant 1 / Ant 0 + 1 + 2 + 3, Beam Forming

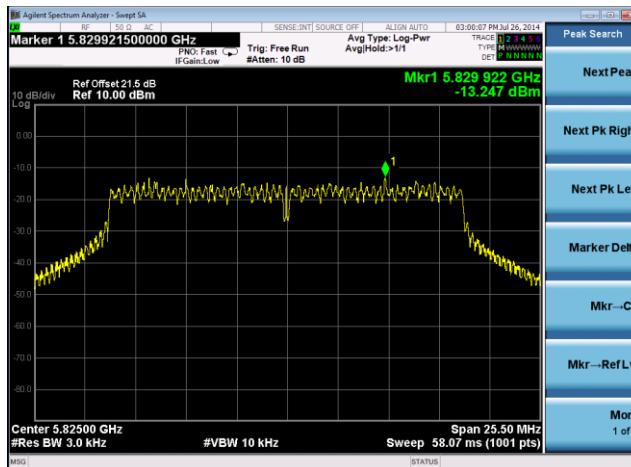
Channel 149 (5745MHz)



Channel 157 (5785MHz)

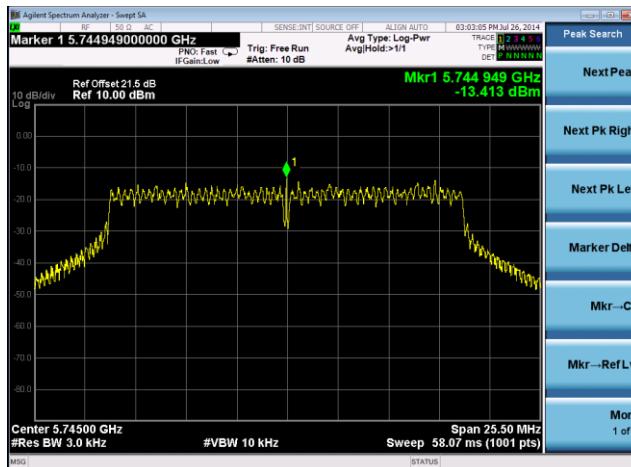


Channel 165 (5825MHz)

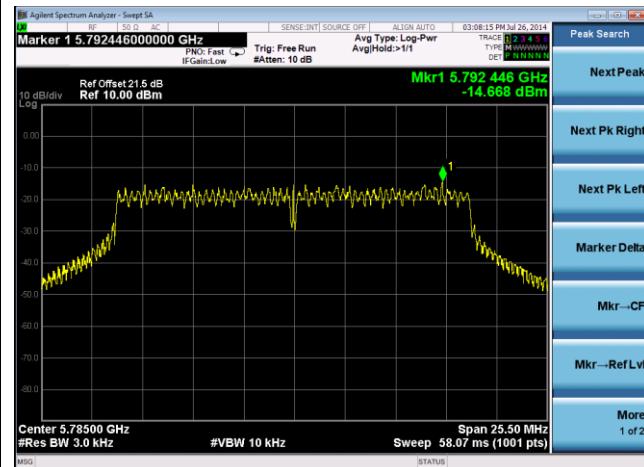


802.11ac-VHT20 PSD - Ant 1 / Ant 0 + 1 + 2 + 3, Beam Forming

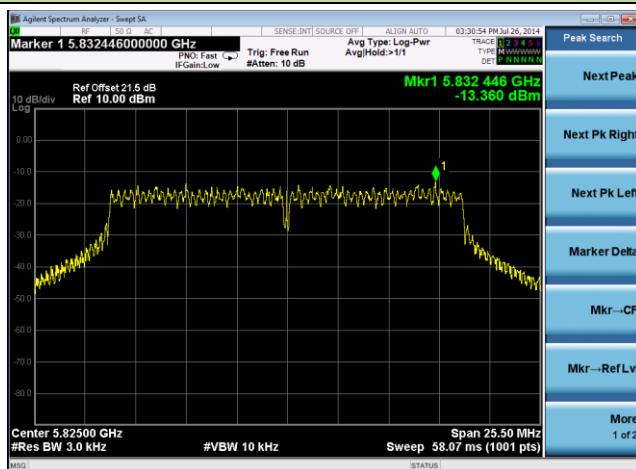
Channel 149 (5745MHz)



Channel 157 (5785MHz)

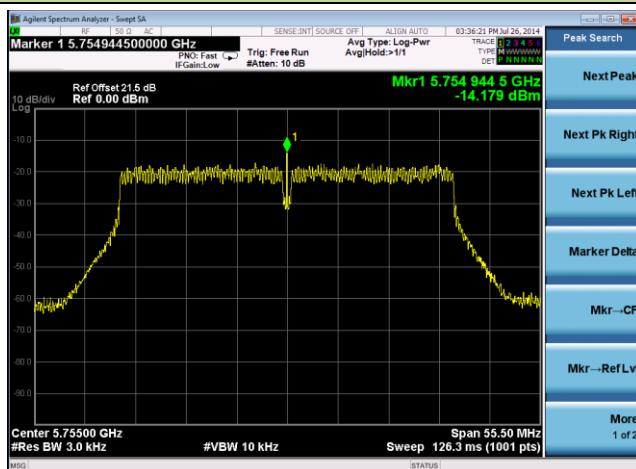


Channel 165 (5825MHz)

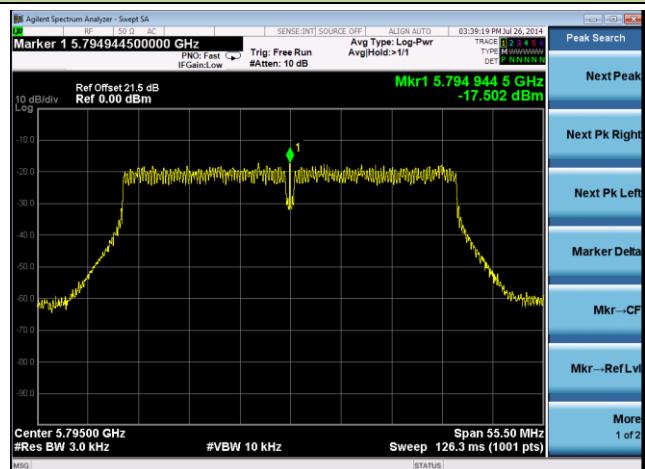


802.11n-HT40 PSD - Ant 1 / Ant 0 + 1 + 2 + 3, Beam Forming

Channel 151 (5755MHz)

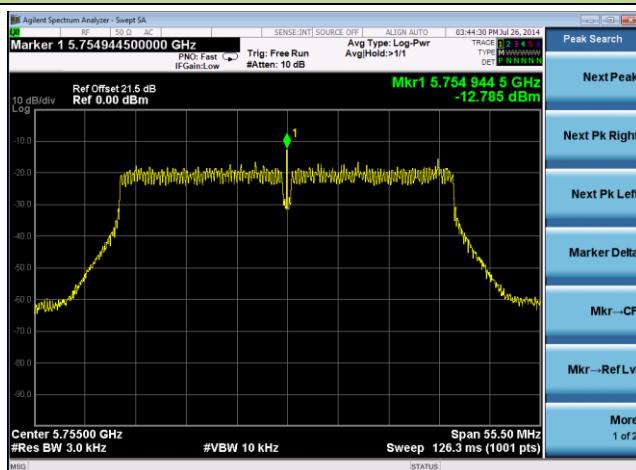


Channel 159 (5795MHz)

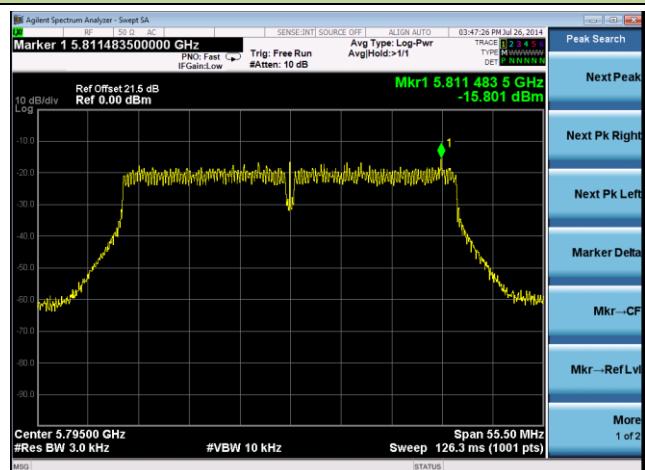


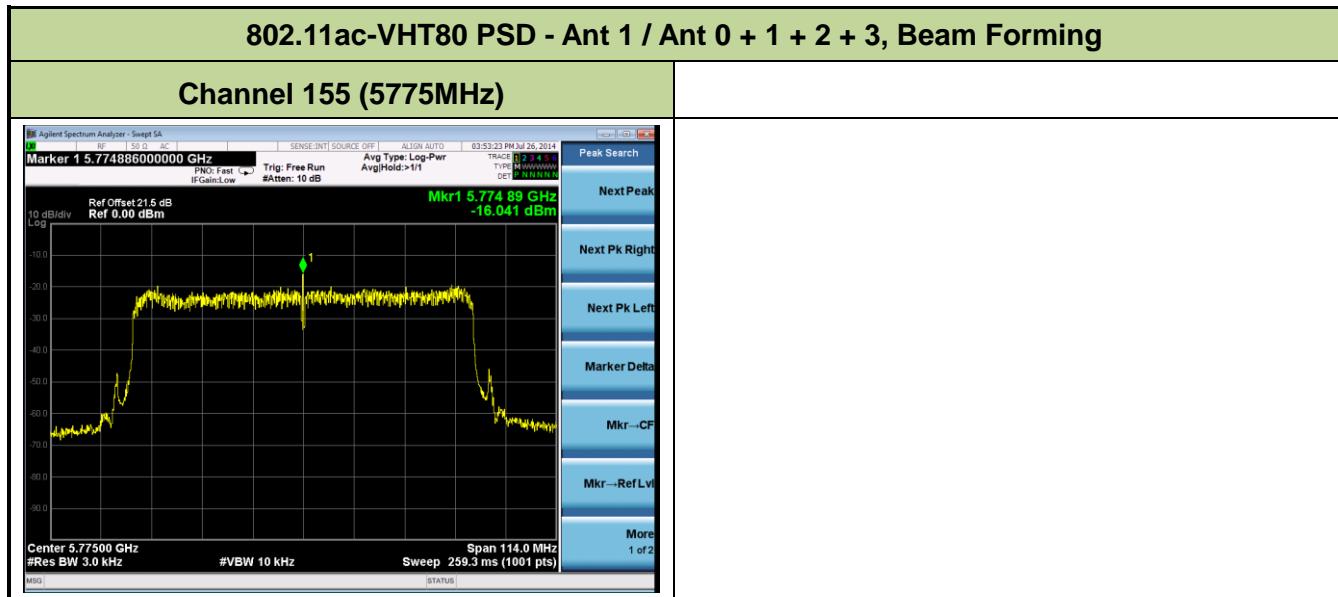
802.11ac-VHT40 PSD - Ant 1 / Ant 0 + 1 + 2 + 3, Beam Forming

Channel 151 (5755MHz)

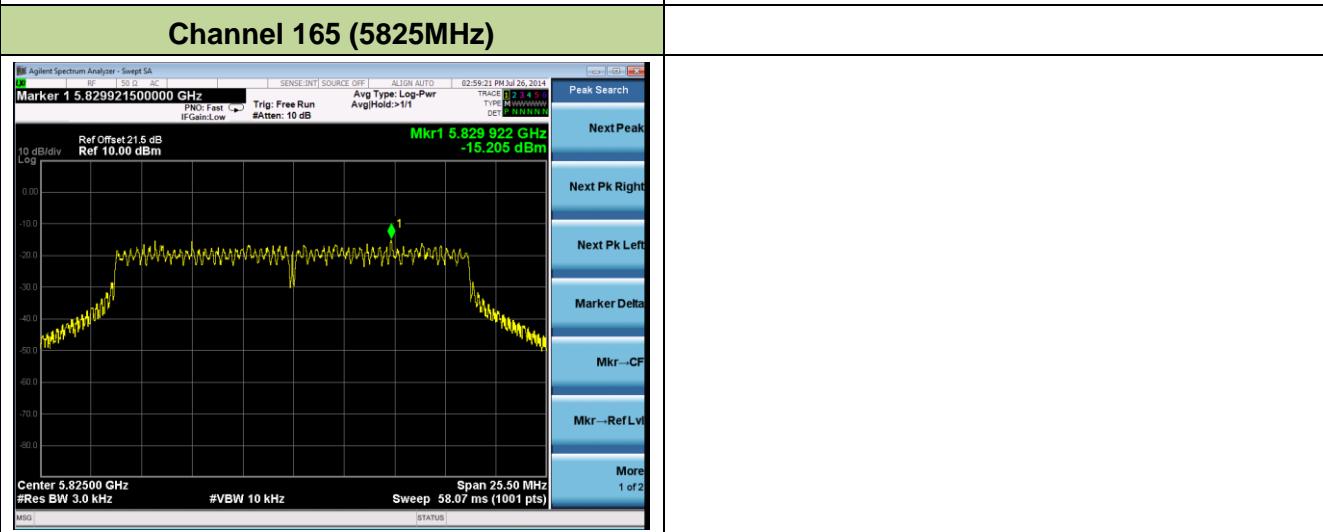
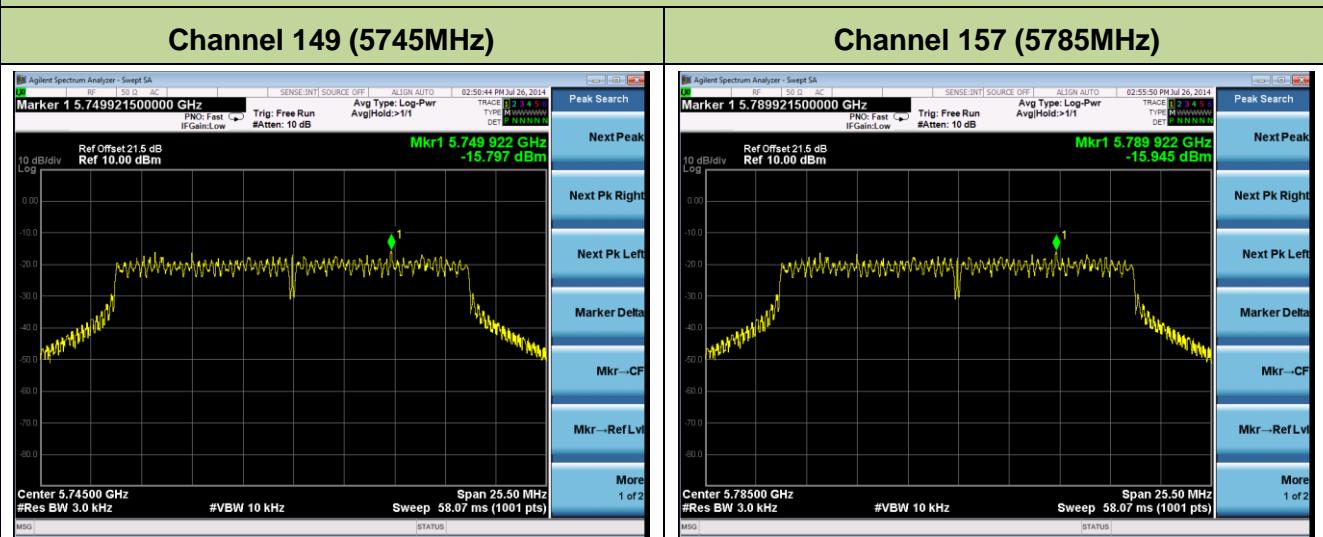


Channel 159 (5795MHz)

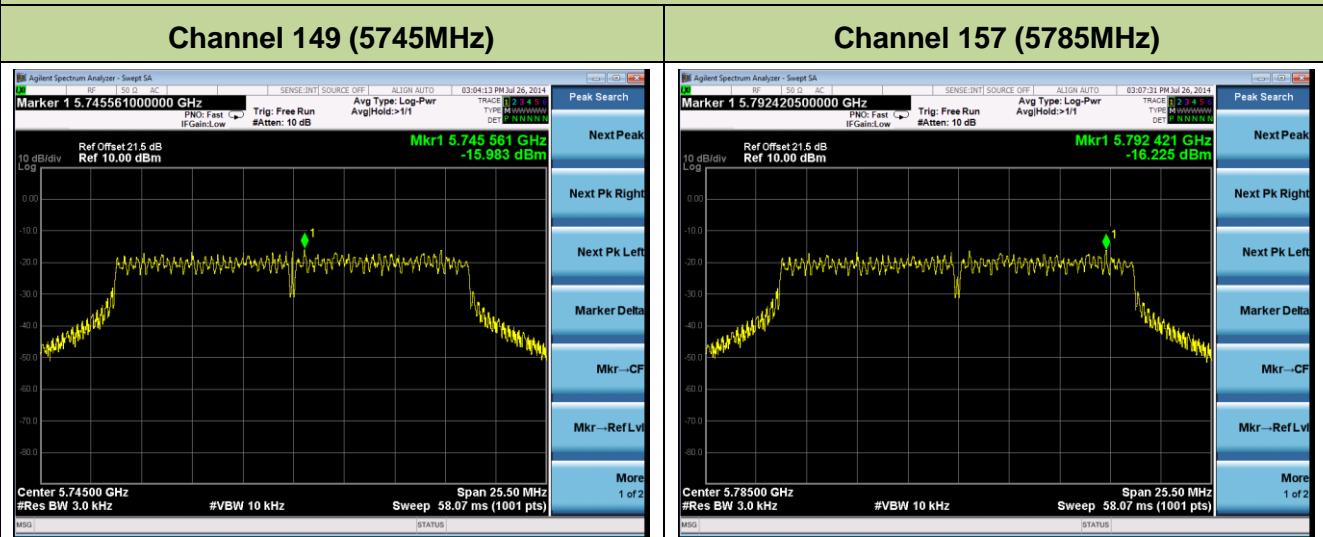




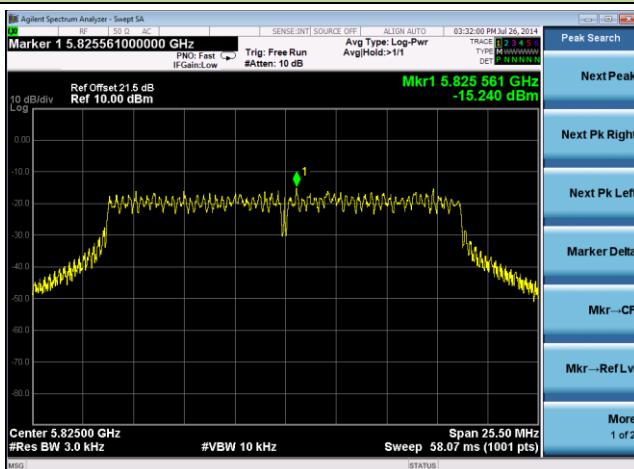
802.11n-HT20 PSD - Ant 2 / Ant 0 + 1 + 2 + 3, Beam Forming



802.11ac-VHT20 PSD - Ant 2 / Ant 0 + 1 + 2 + 3, Beam Forming



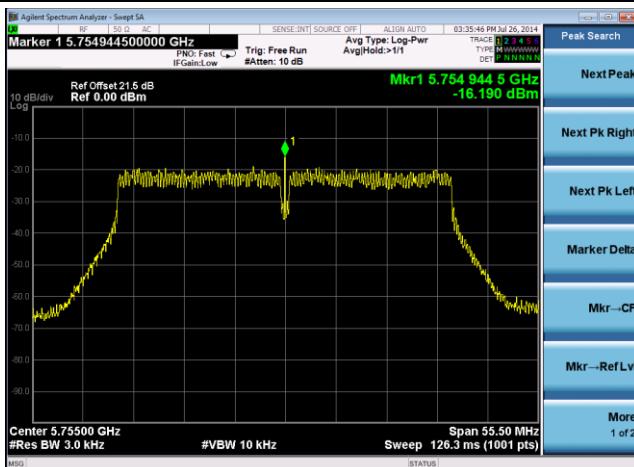
Channel 165 (5825MHz)



Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr--CF
Mkr--Ref Lv
More 1 of 2

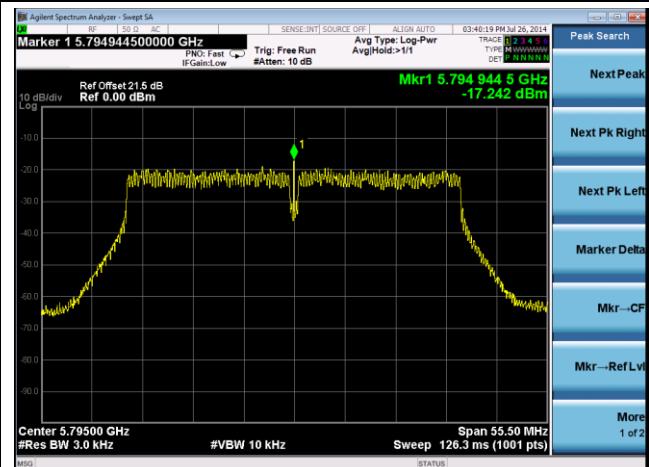
802.11n-HT40 PSD - Ant 2 / Ant 0 + 1 + 2 + 3, Beam Forming

Channel 151 (5755MHz)



Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr--CF
Mkr--Ref Lv
More 1 of 2

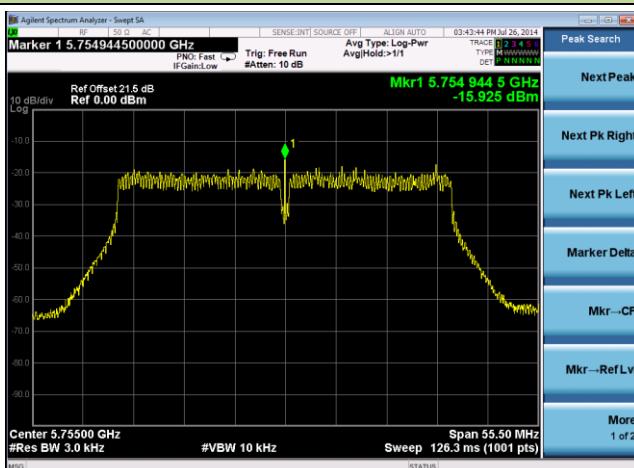
Channel 159 (5795MHz)



Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr--CF
Mkr--Ref Lv
More 1 of 2

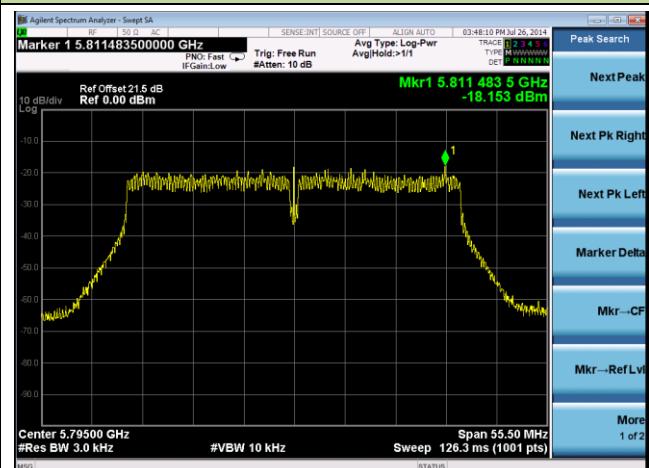
802.11ac-VHT40 PSD - Ant 2 / Ant 0 + 1 + 2 + 3, Beam Forming

Channel 151 (5755MHz)

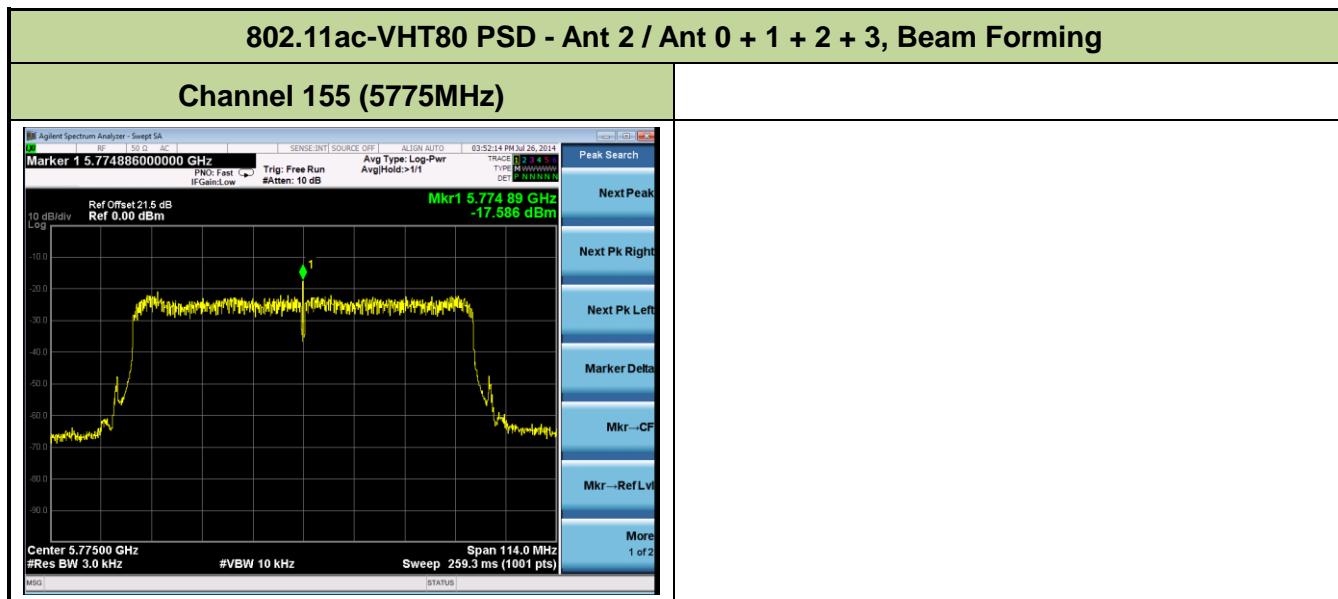


Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr--CF
Mkr--Ref Lv
More 1 of 2

Channel 159 (5795MHz)

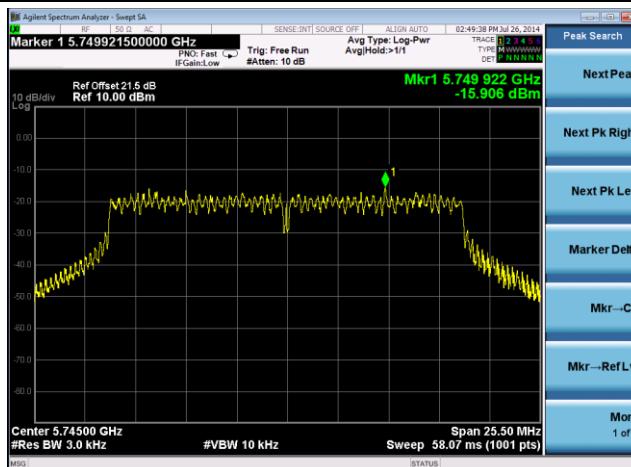


Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr--CF
Mkr--Ref Lv
More 1 of 2

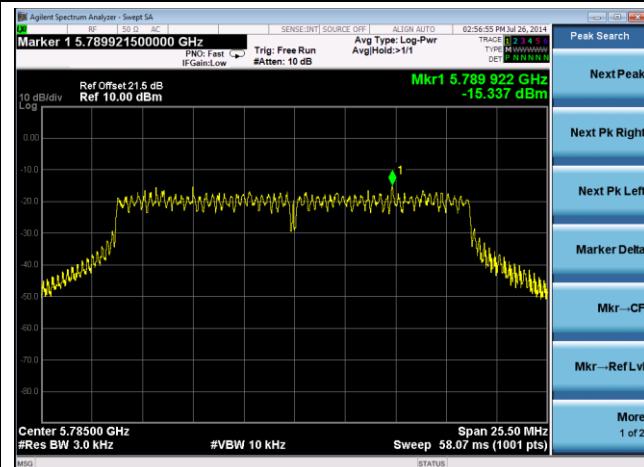


802.11n-HT20 PSD - Ant 3 / Ant 0 + 1 + 2 + 3, Beam Forming

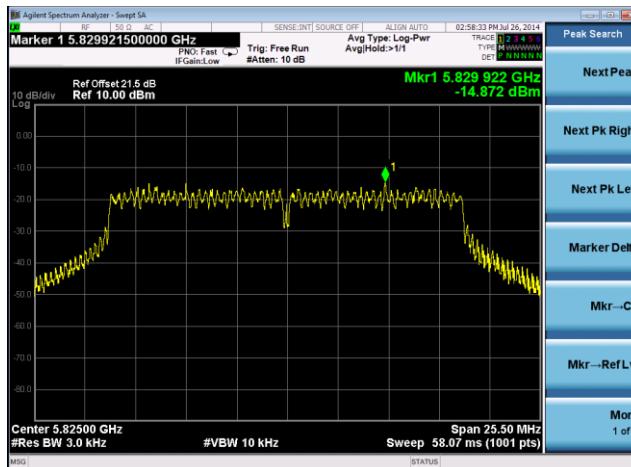
Channel 149 (5745MHz)



Channel 157 (5785MHz)

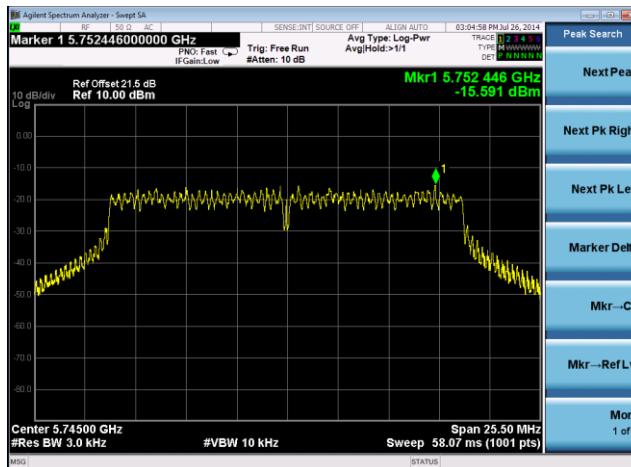


Channel 165 (5825MHz)

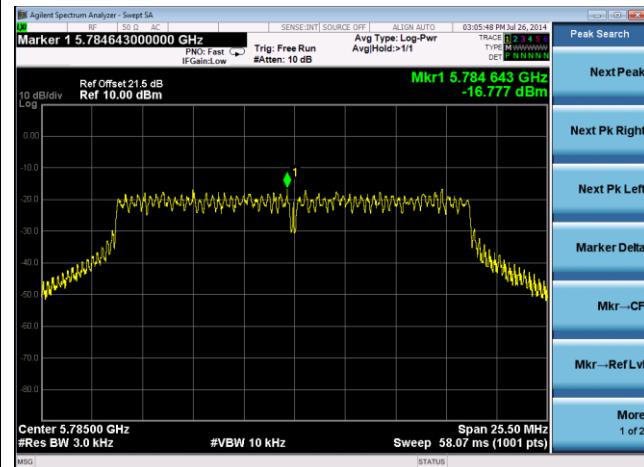


802.11ac-VHT20 PSD - Ant 3 / Ant 0 + 1 + 2 + 3, Beam Forming

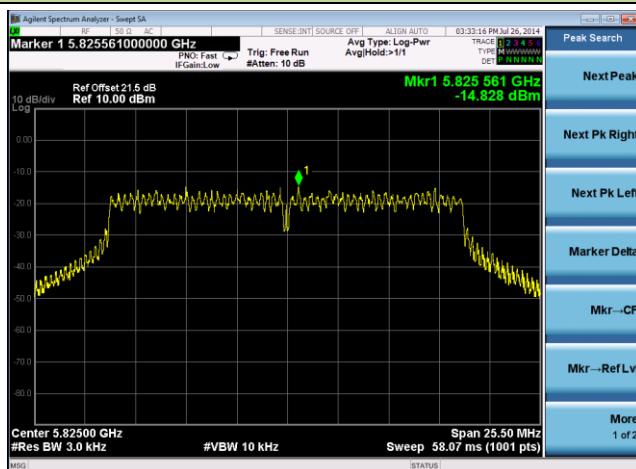
Channel 149 (5745MHz)



Channel 157 (5785MHz)

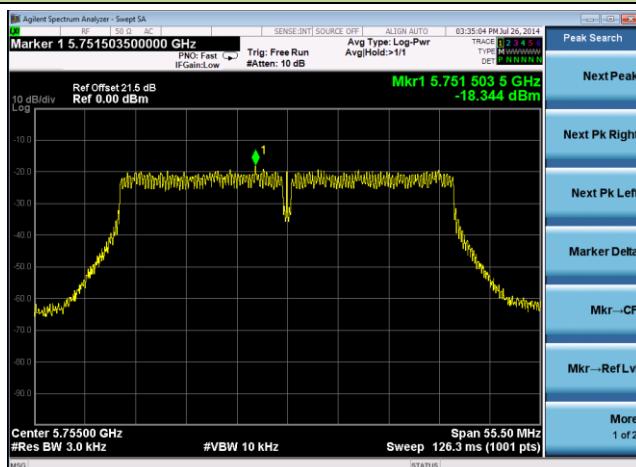


Channel 165 (5825MHz)

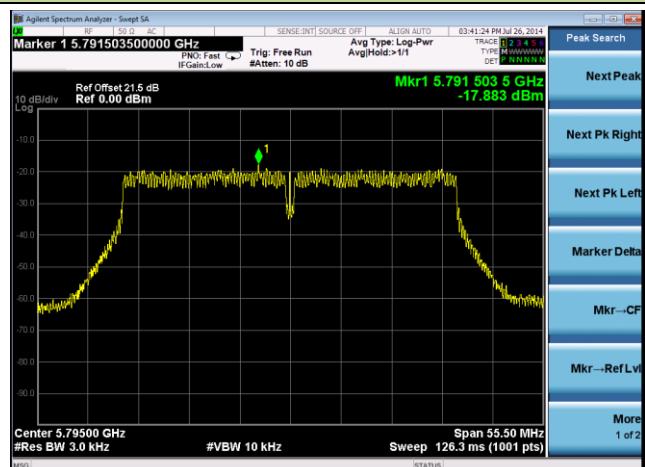


802.11n-HT40 PSD - Ant 3 / Ant 0 + 1 + 2 + 3, Beam Forming

Channel 151 (5755MHz)

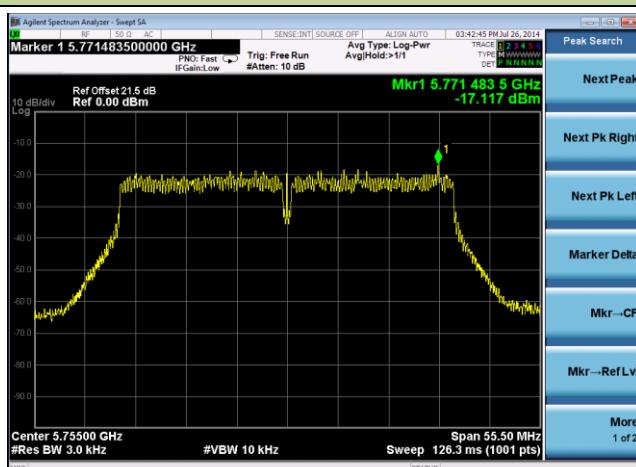


Channel 159 (5795MHz)

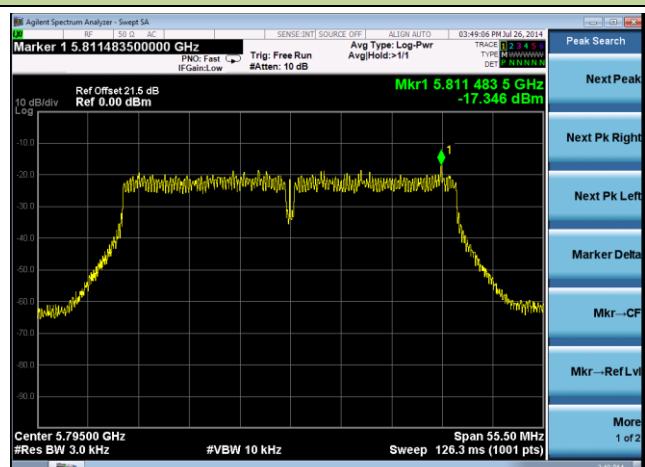


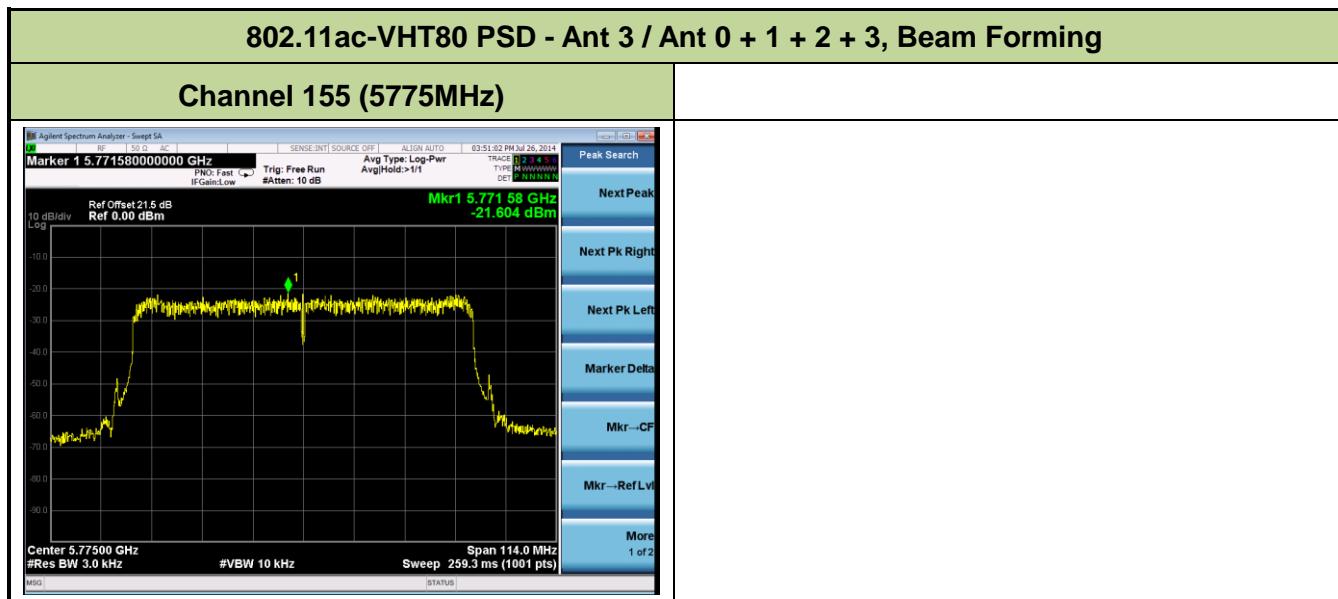
802.11ac-VHT40 PSD - Ant 3 / Ant 0 + 1 + 2 + 3, Beam Forming

Channel 151 (5755MHz)



Channel 159 (5795MHz)





7.5. Conducted Band Edge and Out-of-Band Emissions *§15.247(d); RSS-210 [A8.5]*

7.5.1. Test Limit

The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100kHz bandwidth per the PSD procedure.

7.5.2. Test Procedure Used

KDB 558074 D01v03r01 – Section 11.2 & Section 11.3

7.5.3. Test Setting

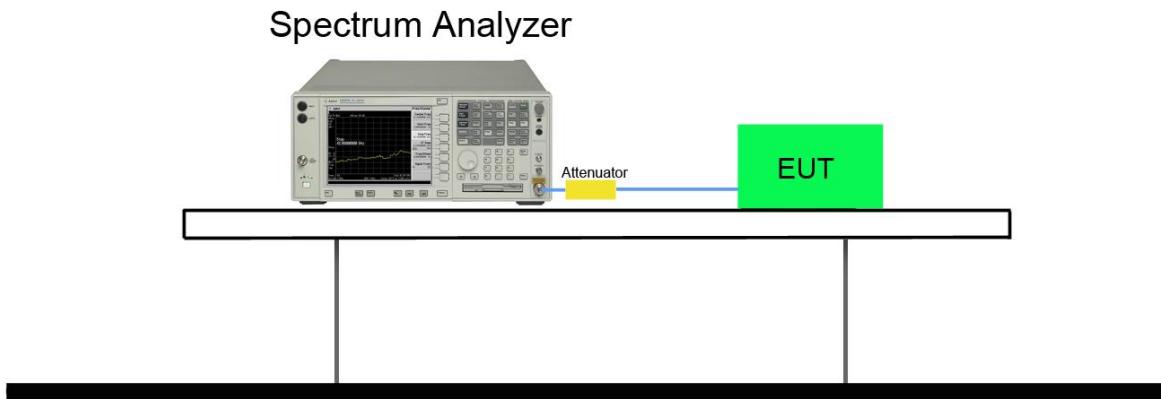
1. Reference level measurement

- (a) Set instrument center frequency to DTS channel center frequency
- (b) Set the span to \geq 1.5 times the DTS bandwidth
- (c) Set the RBW = 100 kHz
- (d) Set the VBW \geq 3 x RBW
- (e) Detector = peak
- (f) Sweep time = auto couple
- (g) Trace mode = max hold
- (h) Allow trace to fully stabilize

2. Emission level measurement

- (a) Set the center frequency and span to encompass frequency range to be measured
- (b) RBW = 100kHz
- (c) VBW = 300kHz
- (d) Detector = Peak
- (e) Number of sweep points \geq 2 x Span/RBW
- (f) Trace mode = max hold
- (g) Sweep time = auto couple
- (h) The trace was allowed to stabilize

7.5.4. Test Setup



7.5.5. Test Result

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	Limit	Result
Ant 0					
802.11b	1	01	2412	20dBc	Pass
802.11b	1	06	2437	20dBc	Pass
802.11b	1	11	2462	20dBc	Pass
802.11g	6	01	2412	20dBc	Pass
802.11g	6	06	2437	20dBc	Pass
802.11g	6	11	2462	20dBc	Pass
802.11n-HT20	6.5	01	2412	20dBc	Pass
802.11n-HT20	6.5	06	2437	20dBc	Pass
802.11n-HT20	6.5	11	2462	20dBc	Pass
802.11n-HT40	13.5	03	2422	20dBc	Pass
802.11n-HT40	13.5	06	2437	20dBc	Pass
802.11n-HT40	13.5	09	2452	20dBc	Pass
Ant 1					
802.11n-HT20	6.5	01	2412	20dBc	Pass
802.11n-HT20	6.5	06	2437	20dBc	Pass
802.11n-HT20	6.5	11	2462	20dBc	Pass
802.11n-HT40	13.5	03	2422	20dBc	Pass
802.11n-HT40	13.5	06	2437	20dBc	Pass
802.11n-HT40	13.5	09	2452	20dBc	Pass
Ant 0 + 1					
802.11n-HT20	6.5	01	2412	20dBc	Pass
802.11n-HT20	6.5	06	2437	20dBc	Pass
802.11n-HT20	6.5	11	2462	20dBc	Pass
802.11n-HT40	13.5	03	2422	20dBc	Pass
802.11n-HT40	13.5	06	2437	20dBc	Pass
802.11n-HT40	13.5	09	2452	20dBc	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	Limit	Result
Ant 0 + 1 + 2 + 3					
802.11a	6	149	5745	20dBc	Pass
802.11a	6	157	5785	20dBc	Pass
802.11a	6	165	5825	20dBc	Pass
802.11n-HT20	6.5	149	5745	20dBc	Pass
802.11n-HT20	6.5	157	5785	20dBc	Pass
802.11n-HT20	6.5	165	5825	20dBc	Pass
802.11ac-VHT20	6.5	149	5745	20dBc	Pass
802.11ac-VHT20	6.5	157	5785	20dBc	Pass
802.11ac-VHT20	6.5	165	5825	20dBc	Pass
802.11n-HT40	13.5	151	5755	20dBc	Pass
802.11n-HT40	13.5	159	5795	20dBc	Pass
802.11ac-VHT40	13.5	151	5755	20dBc	Pass
802.11ac-VHT40	13.5	159	5795	20dBc	Pass
802.11ac-VHT80	29.3	155	5775	20dBc	Pass

802.11b Out-of-Band Emissions - Ant 0

Channel 01 (2412MHz)

100kHz PSD Reference Level



Low Band Edge



Spurious Emission 30MHz ~ 25GHz



Channel 06 (2437MHz)

100kHz PSD Reference Level



Spurious Emission 30MHz ~ 25GHz

