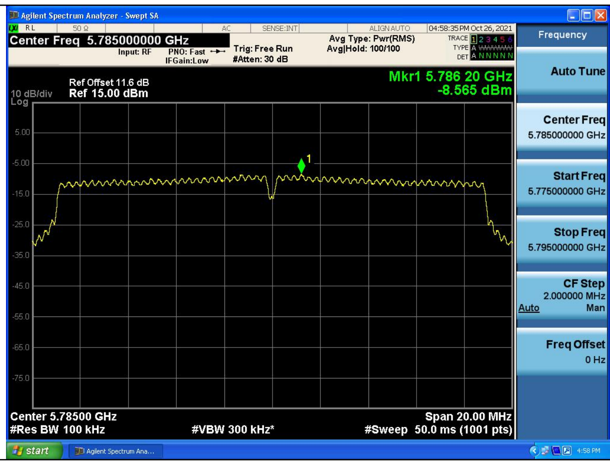
Test Mode:802.11a 5825MHz Chain0

Test Mode: 802.11n HT20

Test Mode:802.11n HT20 5745MHz Chain0



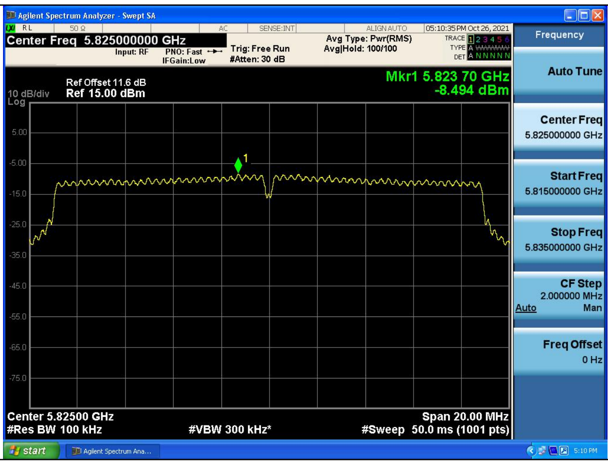
Test Mode:802.11n HT20 5785MHz Chain0

Test Mode:802.11n HT20 5825MHz Chain0

Test Mode: 802.11ac VHT20

Test Mode:802.11ac VHT20 5745MHz Chain0

Test Mode:802.11ac VHT20 5785MHz Chain0



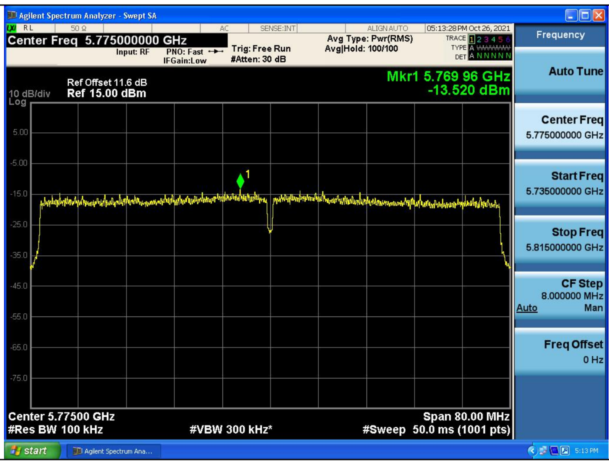
Test Mode:802.11ac VHT20 5825MHz Chain0

Test Mode: 802.11n HT40

Test Mode:802.11n HT40 5755MHz Chain0

Test Mode:802.11n HT40 5795MHz Chain0

Test Mode: 802.11ac VHT40

	
Test Mode:802.11ac VHT40 5755MHz Chain0	Test Mode:802.11ac VHT40 5795MHz Chain0
	
Test Mode:802.11ac VHT80 5775MHz Chain0	

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5720	99.49%	0
802.11n HT20	5720	99.47%	0
802.11ac VHT20	5720	99.47%	0
802.11n HT40	5710	98.89%	0
802.11ac VHT40	5710	98.86%	0
802.11ac VHT80	5690	97.80%	0.10

Note: Correction Factor=10*log (1/Duty Cycle)

Output Power

Mode	Tones/ RUIndex	Freq (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5720	Chain0	11.62	9.32
802.11ac VHT20	NA	5720	Chain0	11.50	9.20
802.11ac VHT40	NA	5710	Chain0	11.73	9.43
802.11ac VHT80	NA	5690	Chain0	11.43	9.13
802.11n HT20	NA	5720	Chain0	11.49	9.19
802.11n HT40	NA	5710	Chain0	11.70	9.40

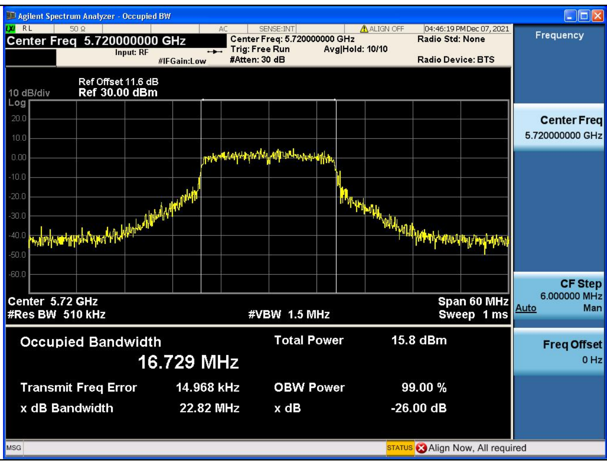
Emission Bandwidth

Offset 11.6dB = Attenuator + Temporary antenna connector loss + Cable loss

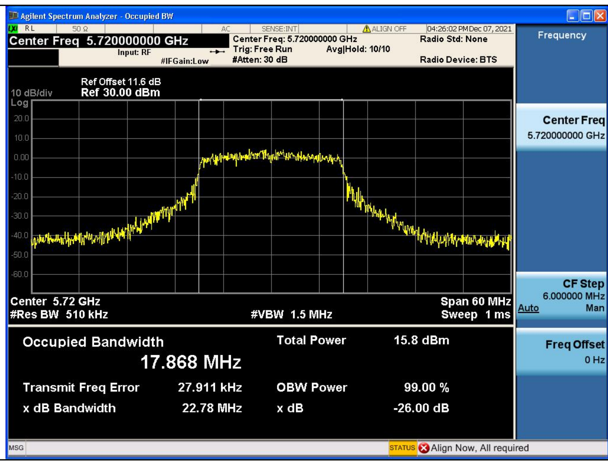
Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.0	Channel No.1	Channel No.2
		5720MHz	---	---
802.11a	Chain0	22.82	---	---
802.11n HT20	Chain0	22.78	---	---
802.11ac VHT20	Chain0	23.09	---	---

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.0	Channel No.1	Channel No.2
		5710MHz	---	---
802.11n HT40	Chain0	41.55	---	---
802.11ac VHT40	Chain0	41.27	---	---

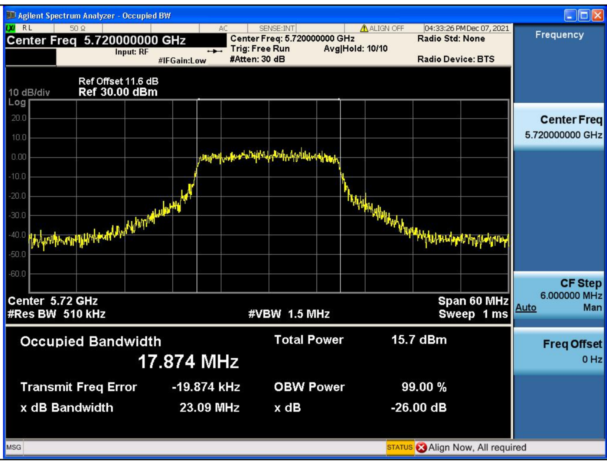
Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.0	Channel No.1	Channel No.2
		5690MHz	---	---
802.11ac VHT80	Chain0	82.32	---	---



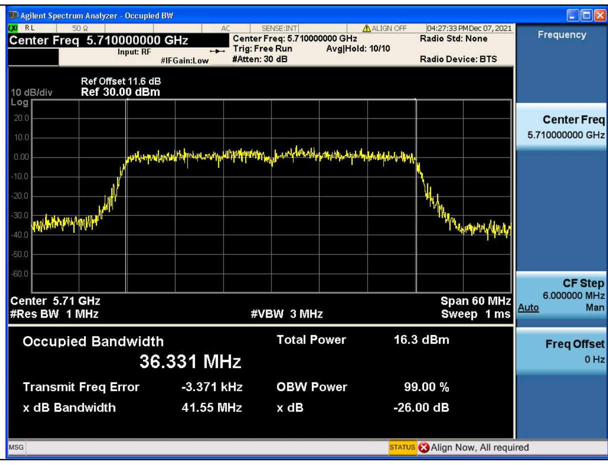
Test Mode:802.11a 5720MHz Chain0



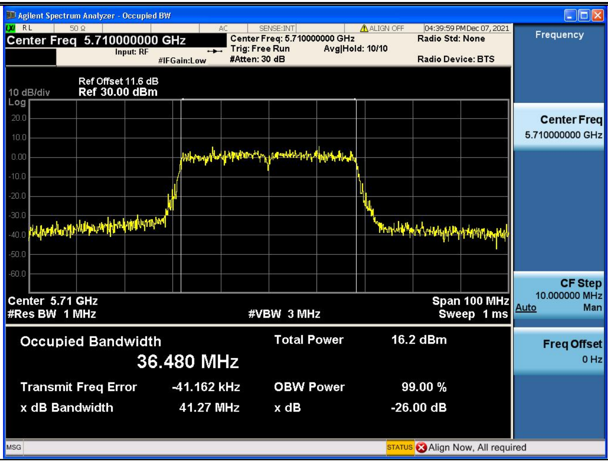
Test Mode:802.11n HT20 5720MHz Chain0



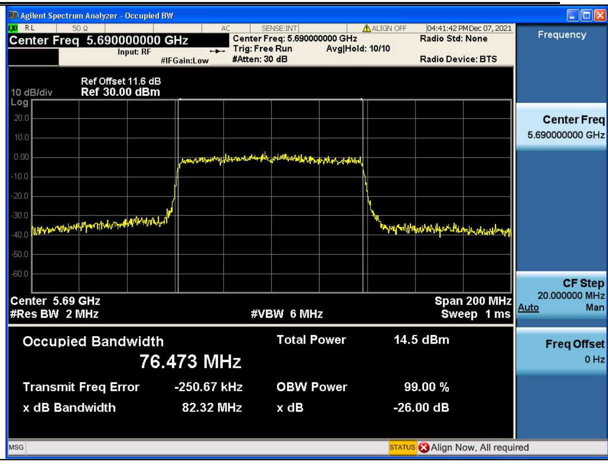
Test Mode:802.11ac VHT20 5720MHz Chain0



Test Mode:802.11n HT40 5710MHz Chain0



Test Mode:802.11ac VHT40 5710MHz Chain0



Test Mode:802.11ac VHT80 5690MHz Chain0

Occupied Bandwidth

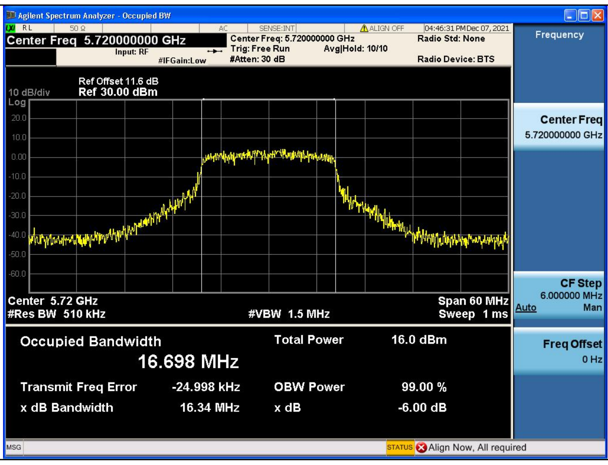
Offset 11.6dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		Channel No.0	Channel No.1	Channel No.2
		5720MHz	---	---
802.11a	Chain0	16.698	---	---
802.11n HT20	Chain0	18.057	---	---
802.11ac VHT20	Chain0	17.875	---	---

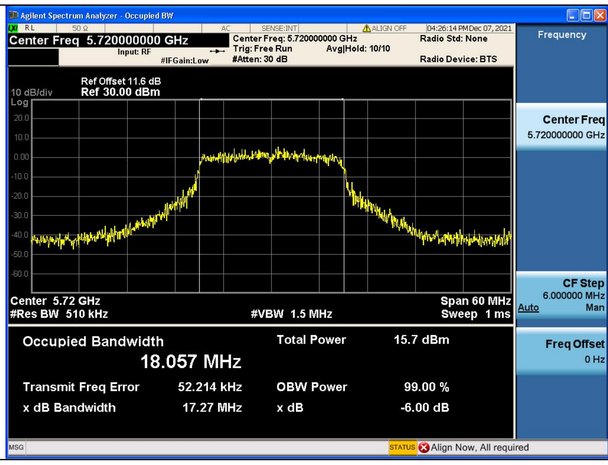
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		Channel No.0	Channel No.1	Channel No.2
		5710MHz	---	---
802.11n HT40	Chain0	36.343	---	---
802.11ac VHT40	Chain0	36.505	---	---

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		Channel No.0	Channel No.1	Channel No.2
		5690MHz	---	---
802.11ac VHT80	Chain0	76.249	---	---

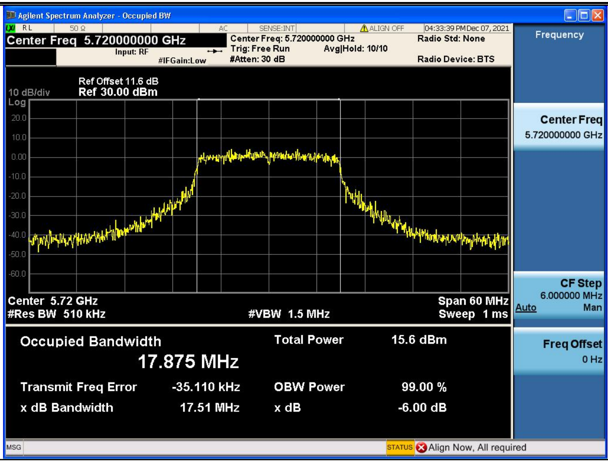
Test Mode: 802.11a



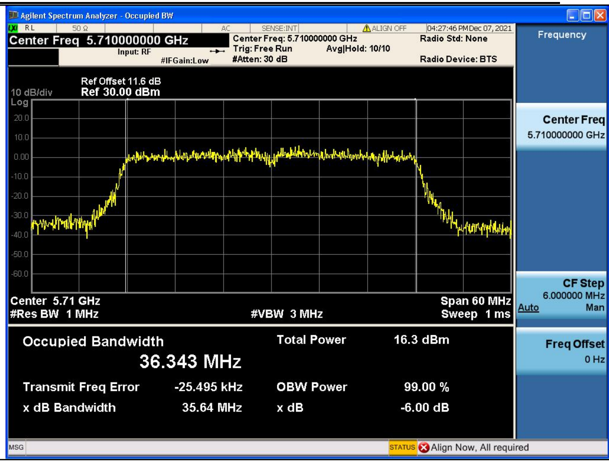
Test Mode:802.11a 5720MHz Chain0



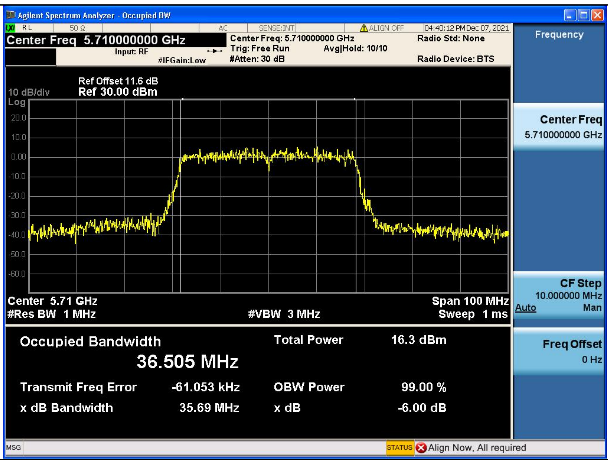
Test Mode:802.11n HT20 5720MHz Chain0



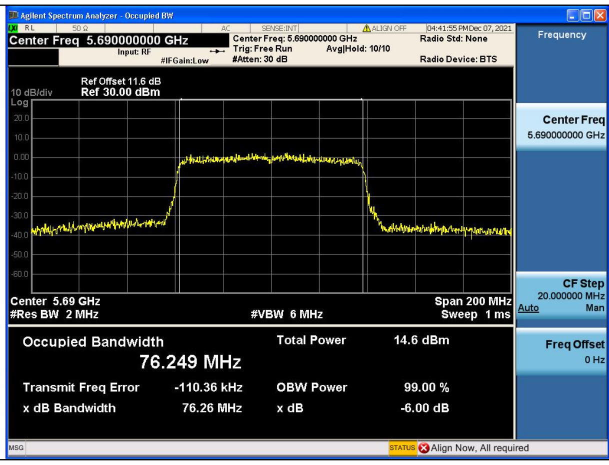
Test Mode:802.11ac VHT20 5720MHz Chain0



Test Mode:802.11n HT40 5710MHz Chain0



Test Mode:802.11ac VHT40 5710MHz Chain0



Test Mode:802.11ac VHT80 5690MHz Chain0

6dB Bandwidth

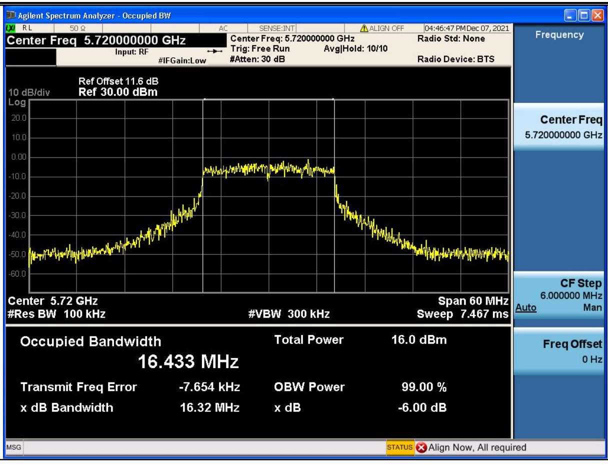
Offset 11.6dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	6dB Bandwidth (MHz)		
		Channel No.0	Channel No.1	Channel No.2
		5720MHz	---	---
802.11a	Chain0	16.32	---	---
802.11n HT20	Chain0	15.56	---	---
802.11ac VHT20	Chain0	16.59	---	---

Test Mode	Antenna	6dB Bandwidth (MHz)		
		Channel No.0	Channel No.1	Channel No.2
		5710MHz	---	---
802.11n HT40	Chain0	36.44	---	---
802.11ac VHT40	Chain0	36.42	---	---

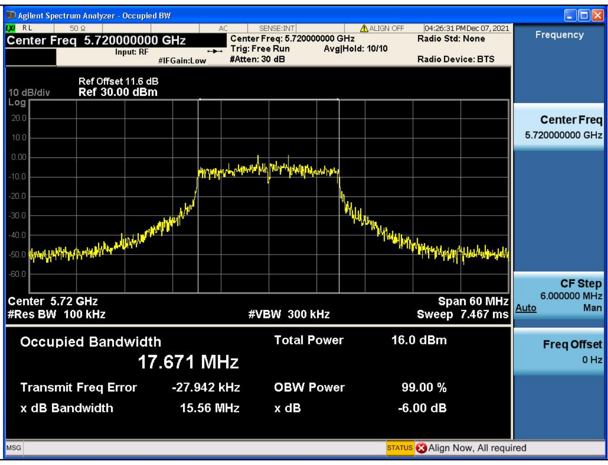
Test Mode	Antenna	6dB Bandwidth (MHz)		
		Channel No.0	Channel No.1	Channel No.2
		5690MHz	---	---
802.11ac VHT80	Chain0	76.15	---	---

Test Mode: 802.11a



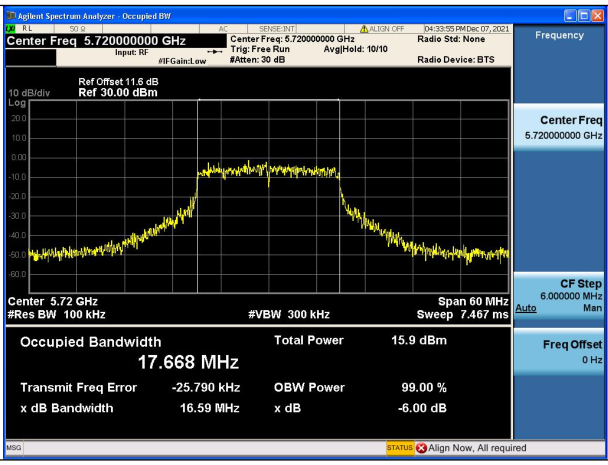
Test Mode:802.11a 5720MHz Chain0

Test Mode: 802.11n HT20



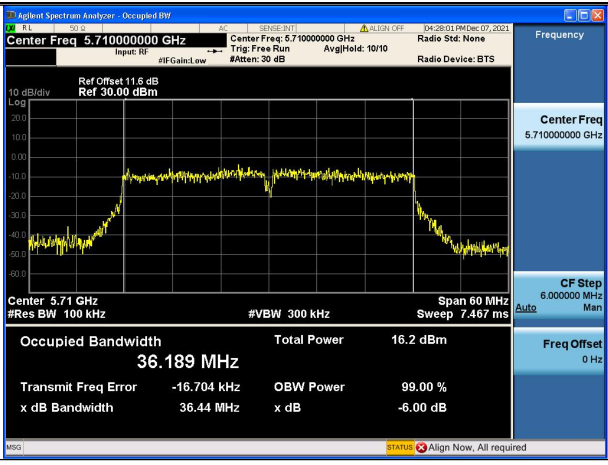
Test Mode:802.11n HT20 5720MHz Chain0

Test Mode: 802.11ac VHT20



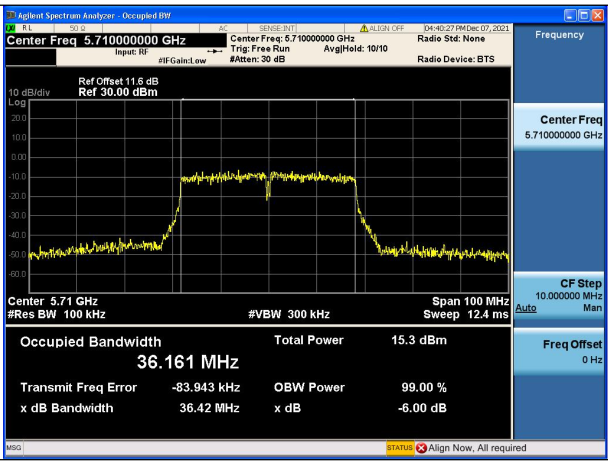
Test Mode:802.11ac VHT20 5720MHz Chain0

Test Mode: 802.11n HT40



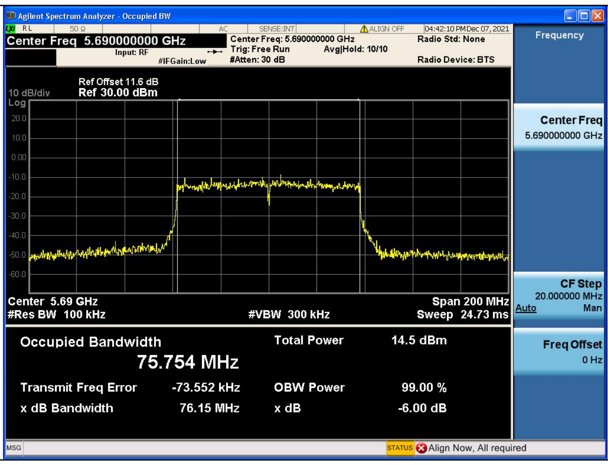
Test Mode:802.11n HT40 5710MHz Chain0

Test Mode: 802.11ac VHT40



Test Mode:802.11ac VHT40 5710MHz Chain0

Test Mode: 802.11ac VHT80



Test Mode:802.11ac VHT80 5690MHz Chain0

Transmitter Power Spectral Density

Offset 11.6dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	Channel No.662 5720MHz		Channel No.1 ---		Channel No.2 ---	
		Correction Factor(dB)	Power Density (dBm/500kHz)	Correction Factor(dB)	Power Density (dBm/500kHz)	Correction Factor(dB)	Power Density (dBm/500kHz)
802.11a	Chain0	0	-0.719	---	---	---	---
802.11n HT20	Chain0	0	-1.491	---	---	---	---
802.11ac VHT20	Chain0	0	-1.361	---	---	---	---

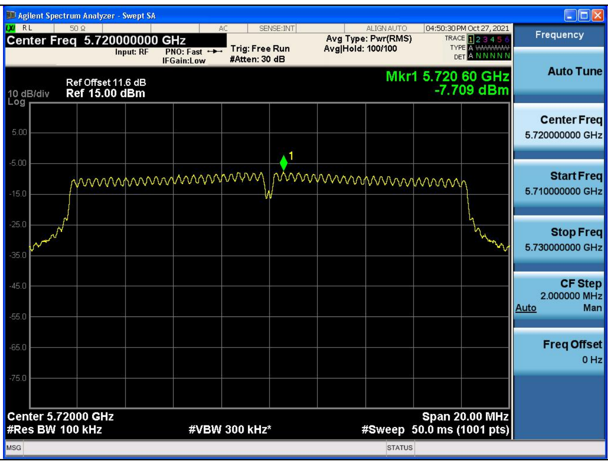
Note: As measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result.

Test Mode	Antenna	Channel No.660 5710MHz		Channel No.1 ---		Channel No.2 ---	
		Correction Factor(dB)	Power Density (dBm/500kHz)	Correction Factor(dB)	Power Density (dBm/500kHz)	Correction Factor(dB)	Power Density (dBm/500kHz)
802.11n HT40	Chain0	0	-4.491	---	---	---	---
802.11ac VHT40	Chain0	0	-4.420	---	---	---	---

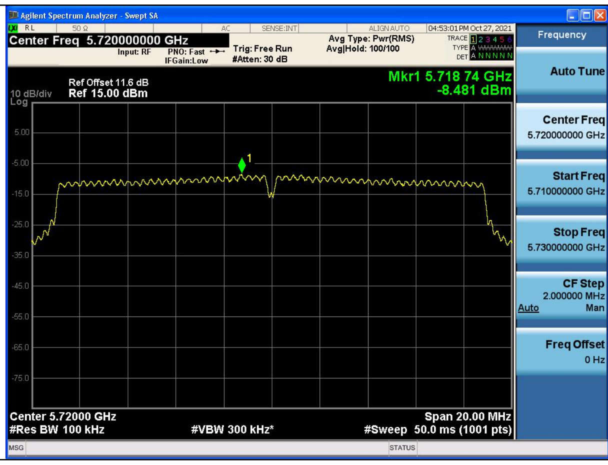
Note: As measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result.

Test Mode	Antenna	Channel No.656 5690MHz		Channel No.1 ---		Channel No.2 ---	
		Correction Factor(dB)	Power Density (dBm/500kHz)	Correction Factor(dB)	Power Density (dBm/500kHz)	Correction Factor(dB)	Power Density (dBm/500kHz)
802.11ac VHT80	Chain0	0.10	-6.902	---	---	---	---

Note: As measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result.

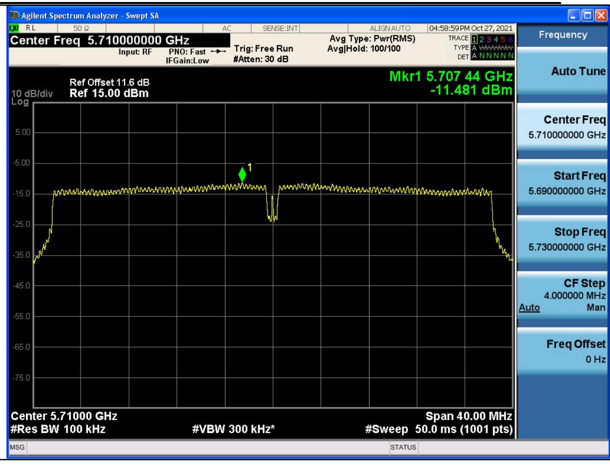


Test Mode:802.11a 5720MHz Chain0

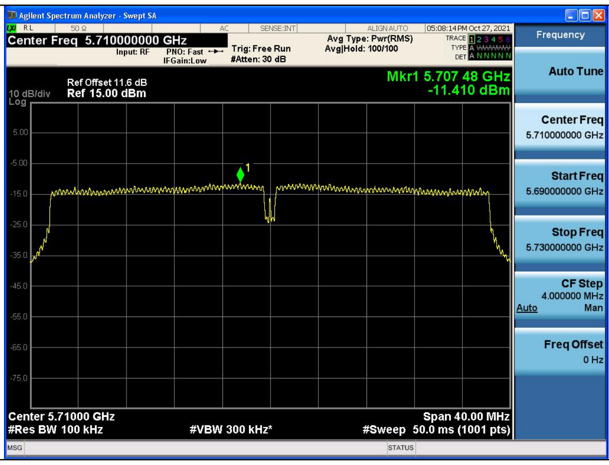


Test Mode:802.11n HT20 5720MHz Chain0

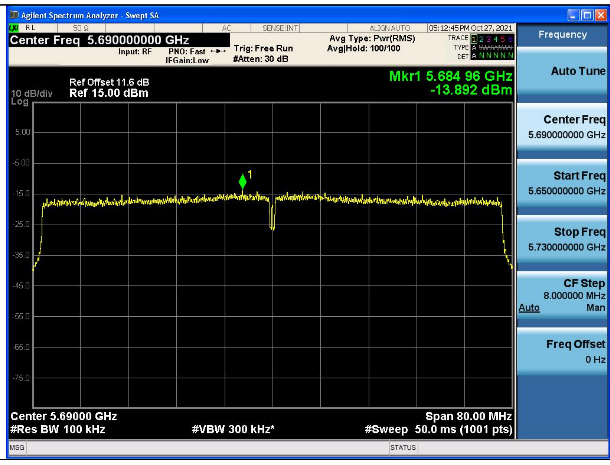
Test Mode:802.11ac VHT20 5720MHz Chain0



Test Mode:802.11n HT40 5710MHz Chain0



Test Mode:802.11ac VHT40 5710MHz Chain0



Test Mode:802.11ac VHT80 5690MHz Chain0