

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5745	98.72%	0
802.11a	5745	98.75%	0
802.11n HT20	5745	98.63%	0
802.11n HT20	5745	98.61%	0
802.11ac VHT20	5745	98.71%	0
802.11ac VHT20	5745	98.60%	0
802.11n HT40	5755	97.33%	0.12
802.11n HT40	5755	97.32%	0.12
802.11ac VHT40	5755	97.44%	0.11
802.11ac VHT40	5755	97.32%	0.12
802.11ac VHT80	5775	95.04%	0.22
802.11ac VHT80	5775	95.01%	0.22

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

Output Power

Mode	Tones/ RUIndex	Freq (MHz)	Antenna	Conductedaverage power output(dBm)	EIRP (dBm)
802.11a	NA	5745	Chain0	15.18	19.25
802.11a	NA	5745	Chain1	15.06	16.06
802.11a	NA	5785	Chain0	15.64	19.71
802.11a	NA	5785	Chain1	15.40	16.40
802.11a	NA	5825	Chain0	15.60	19.67
802.11a	NA	5825	Chain1	15.39	16.39
802.11n HT20	NA	5745	Chain0	14.92	18.99
802.11n HT20	NA	5745	Chain1	15.01	16.01
802.11n HT20	NA	5745	MIMO	17.98	20.16
802.11n HT20	NA	5785	Chain0	15.54	19.61
802.11n HT20	NA	5785	Chain1	15.28	16.28
802.11n HT20	NA	5785	MIMO	18.42	20.60
802.11n HT20	NA	5825	Chain0	15.43	19.50
802.11n HT20	NA	5825	Chain1	15.26	16.26
802.11n HT20	NA	5825	MIMO	18.36	20.54
802.11ac VHT20	NA	5745	Chain0	14.92	18.99
802.11ac VHT20	NA	5745	Chain1	15.01	16.01
802.11ac VHT20	NA	5745	MIMO	17.98	20.16
802.11ac VHT20	NA	5785	Chain0	15.57	19.64
802.11ac VHT20	NA	5785	Chain1	15.30	16.30
802.11ac VHT20	NA	5785	MIMO	18.45	20.63
802.11ac VHT20	NA	5825	Chain0	15.50	19.57
802.11ac VHT20	NA	5825	Chain1	15.27	16.27

Mode	Tones/ RUIndex	Freq (MHz)	Antenna	Conductedaverage power output(dBm)	EIRP (dBm)
802.11ac VHT20	NA	5825	MIMO	18.40	20.58
802.11n HT40	NA	5755	Chain0	15.21	19.28
802.11n HT40	NA	5755	Chain1	14.98	15.98
802.11n HT40	NA	5755	MIMO	18.11	20.29
802.11n HT40	NA	5795	Chain0	15.52	19.59
802.11n HT40	NA	5795	Chain1	14.96	15.96
802.11n HT40	NA	5795	MIMO	18.26	20.44
802.11ac VHT40	NA	5755	Chain0	15.15	19.22
802.11ac VHT40	NA	5755	Chain1	14.98	15.98
802.11ac VHT40	NA	5755	MIMO	18.08	20.26
802.11ac VHT40	NA	5795	Chain0	15.62	19.69
802.11ac VHT40	NA	5795	Chain1	14.85	15.85
802.11ac VHT40	NA	5795	MIMO	18.26	20.44
802.11ac VHT80	NA	5775	Chain0	15.04	19.11
802.11ac VHT80	NA	5775	Chain1	14.44	15.44
802.11ac VHT80	NA	5775	MIMO	17.76	19.94

Emission Bandwidth

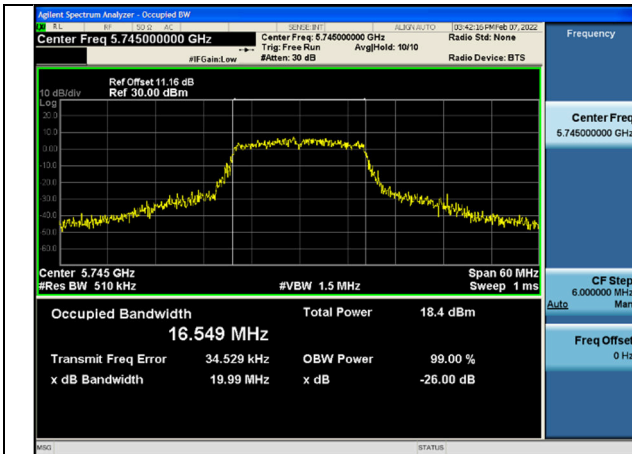
Offset 11.16dB = Attenuator 10dB+ Temporary antenna connector loss 0.2 dB + Cable loss 0.96 dB

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.667	Channel No.675	Channel No.683
		5745MHz	5785MHz	5825MHz
802.11a	Chain0	19.99	19.57	19.83
802.11a	Chain1	20.00	20.08	19.96
802.11n HT20	Chain0	20.47	20.36	20.13
802.11n HT20	Chain1	20.33	20.48	20.07
802.11ac VHT20	Chain0	20.50	20.24	20.42
802.11ac VHT20	Chain1	20.08	20.34	20.52

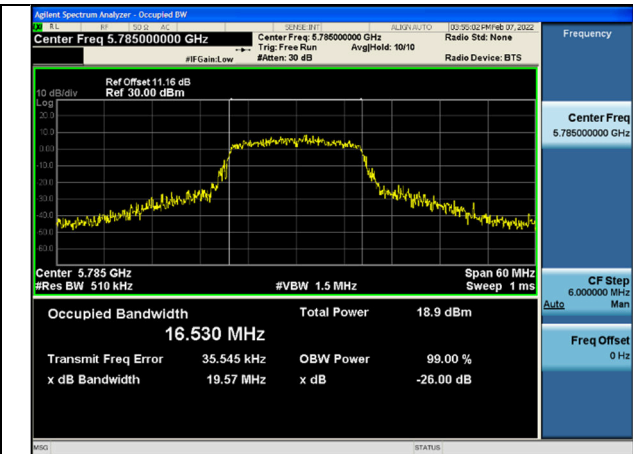
Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.669	---	Channel No.677
		5755MHz	---	5795MHz
802.11n HT40	Chain0	40.36	---	41.56
802.11n HT40	Chain1	40.82	---	40.12
802.11ac VHT40	Chain0	39.88	---	40.79
802.11ac VHT40	Chain1	40.31	---	40.66

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.673	---	---
		5775MHz	---	---
802.11ac VHT80	Chain0	81.60	---	---
802.11ac VHT80	Chain1	81.63	---	---

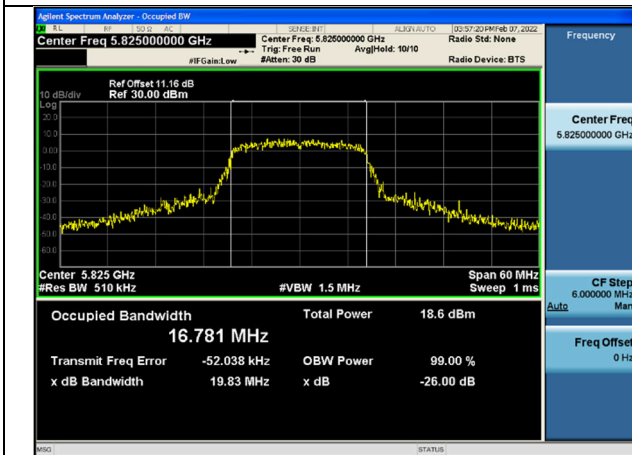
Test Mode: 802.11a



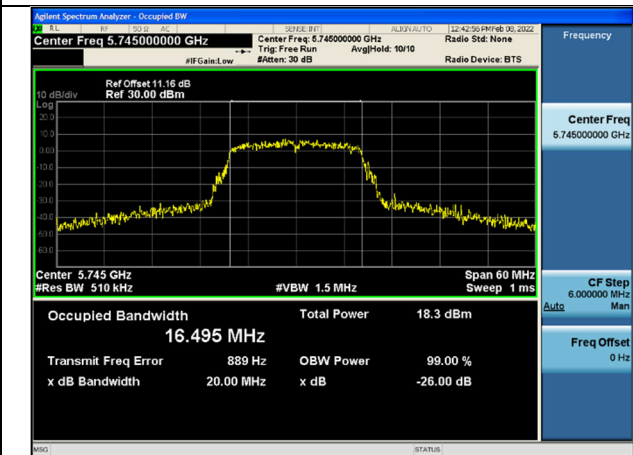
Test Mode:802.11a 5745MHz Chain0



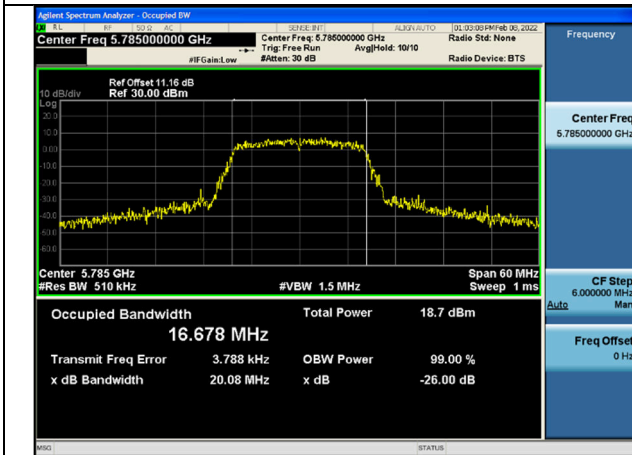
Test Mode:802.11a 5785MHz Chain0



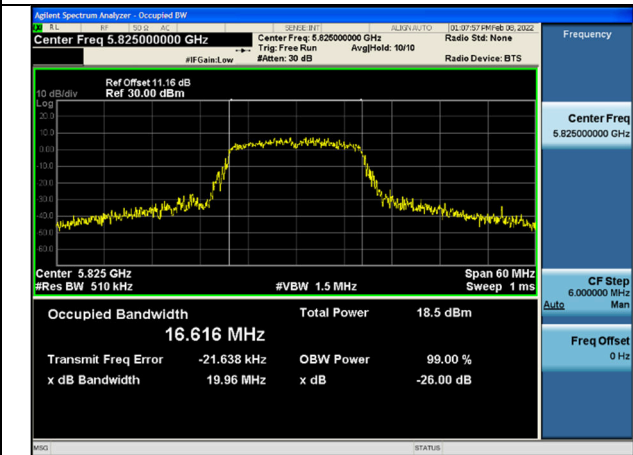
Test Mode:802.11a 5825MHz Chain0



Test Mode:802.11a 5745MHz Chain1

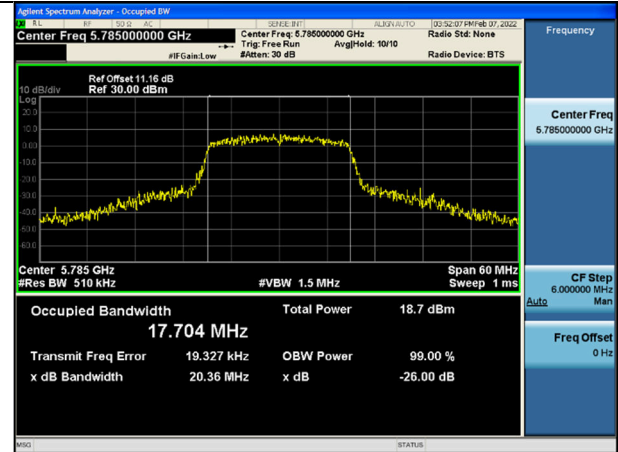
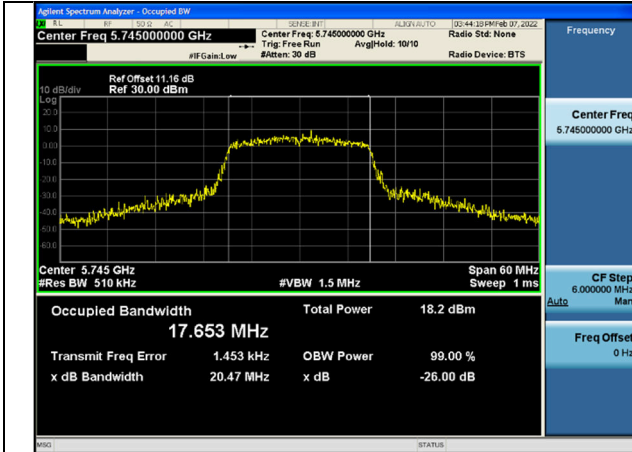


Test Mode:802.11a 5785MHz Chain1

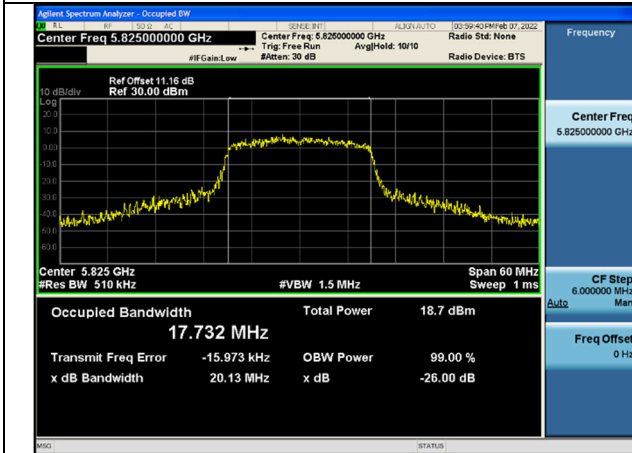


Test Mode:802.11a 5825MHz Chain1

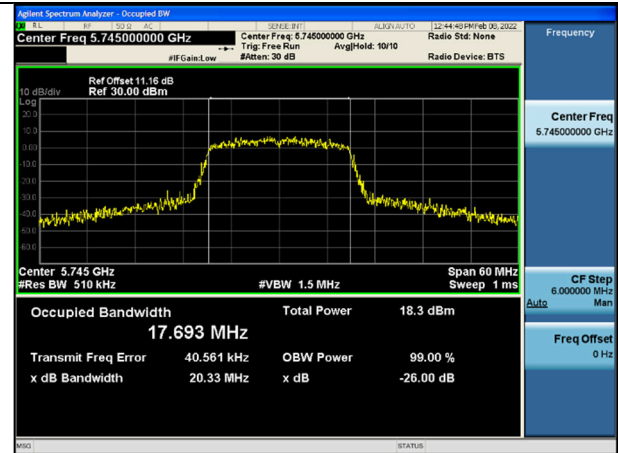
Test Mode: 802.11n HT20



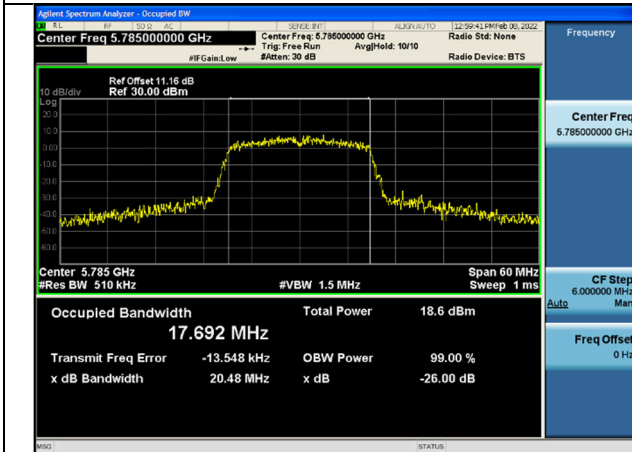
Test Mode:802.11n HT20 5745MHz Chain0



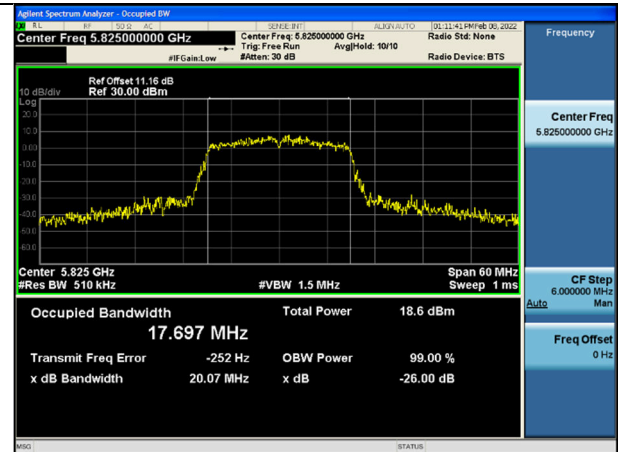
Test Mode:802.11n HT20 5785MHz Chain0



Test Mode:802.11n HT20 5825MHz Chain0



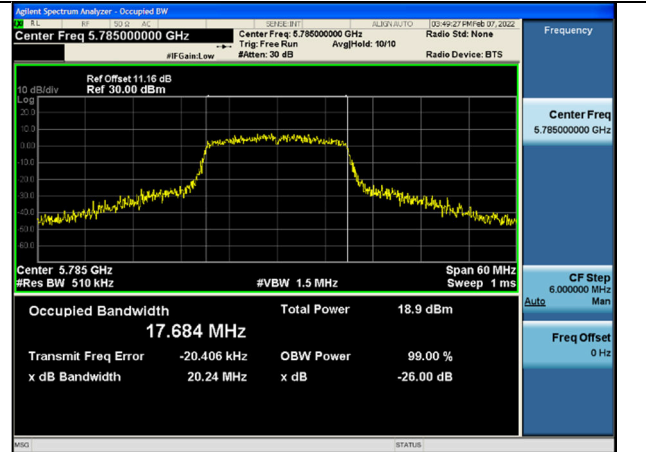
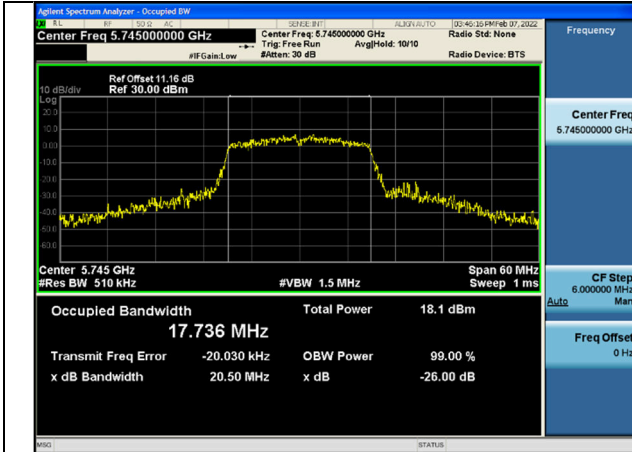
Test Mode:802.11n HT20 5745MHz Chain1



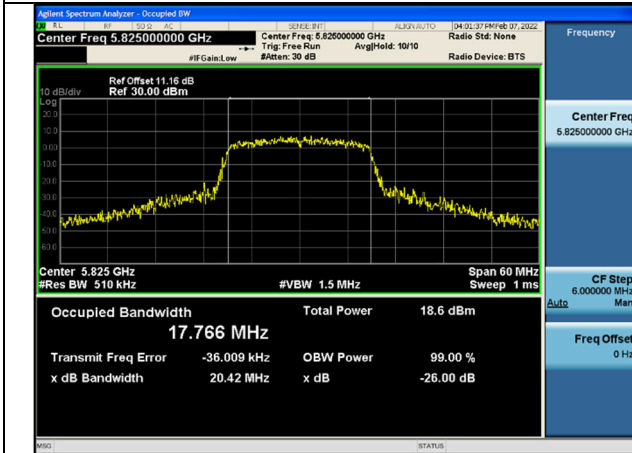
Test Mode:802.11n HT20 5785MHz Chain1

Test Mode:802.11n HT20 5825MHz Chain1

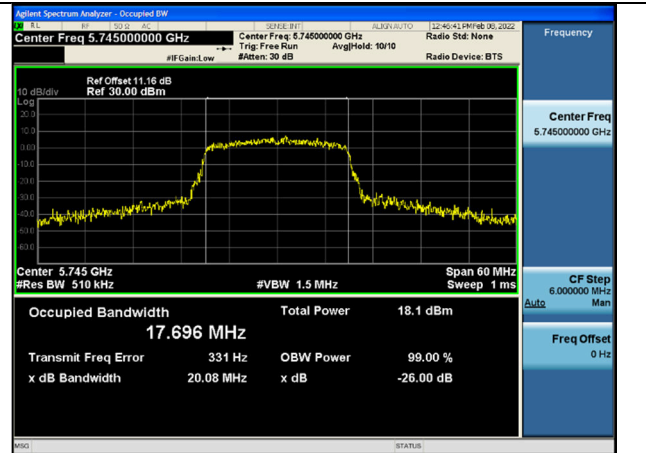
Test Mode: 802.11ac VHT20



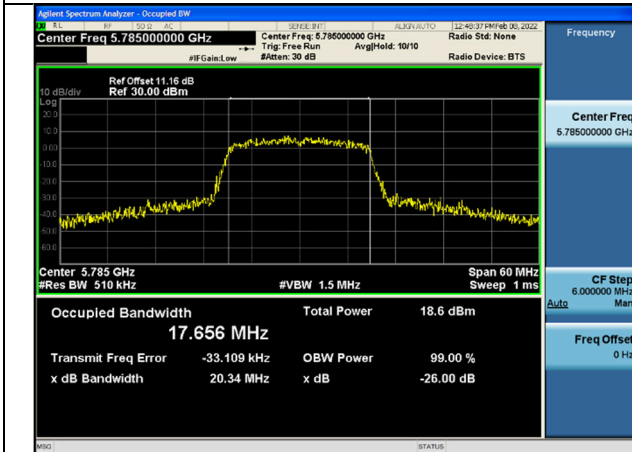
Test Mode:802.11ac VHT20 5745MHz Chain0



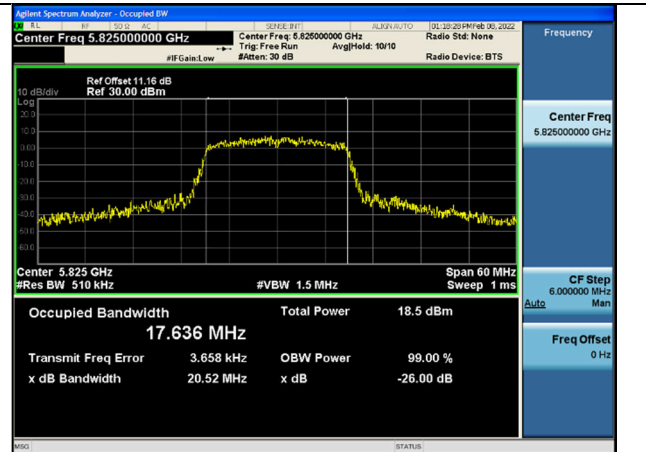
Test Mode:802.11ac VHT20 5785MHz Chain0



Test Mode:802.11ac VHT20 5825MHz Chain0



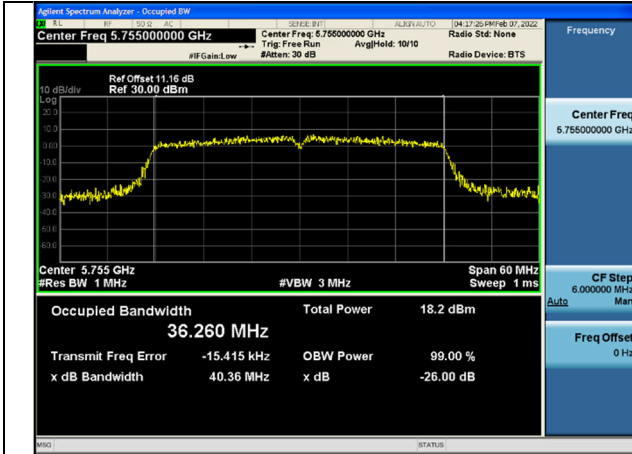
Test Mode:802.11ac VHT20 5745MHz Chain1



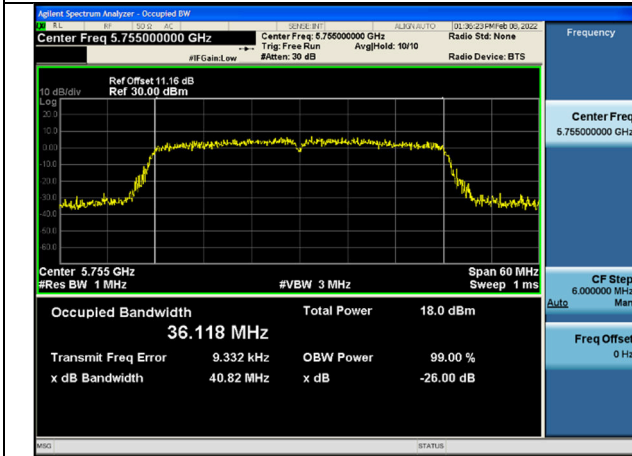
Test Mode:802.11ac VHT20 5785MHz Chain1

Test Mode:802.11ac VHT20 5825MHz Chain1

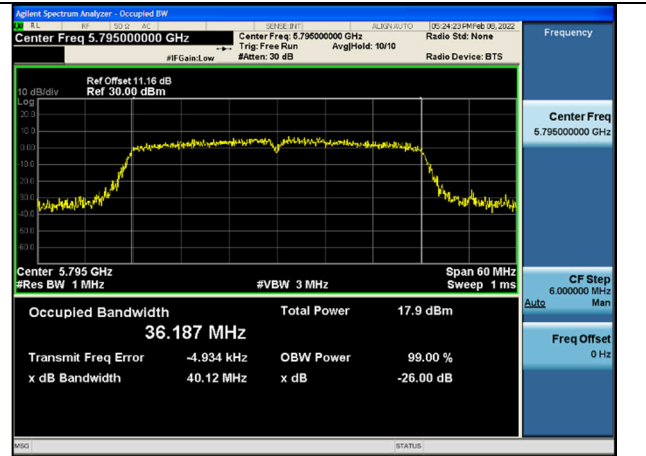
Test Mode: 802.11n HT40



Test Mode:802.11n HT40 5755MHz Chain0



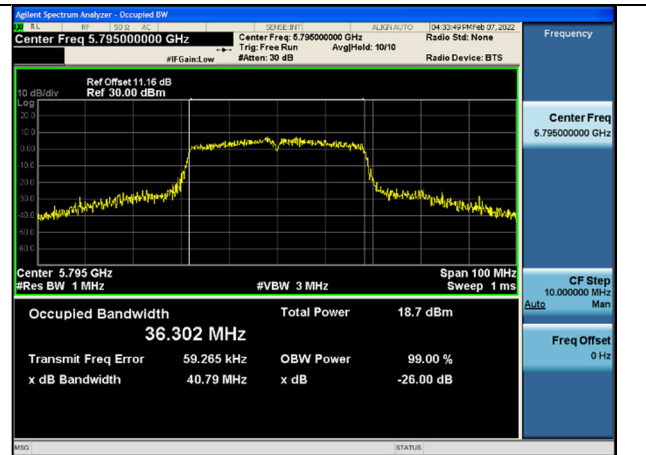
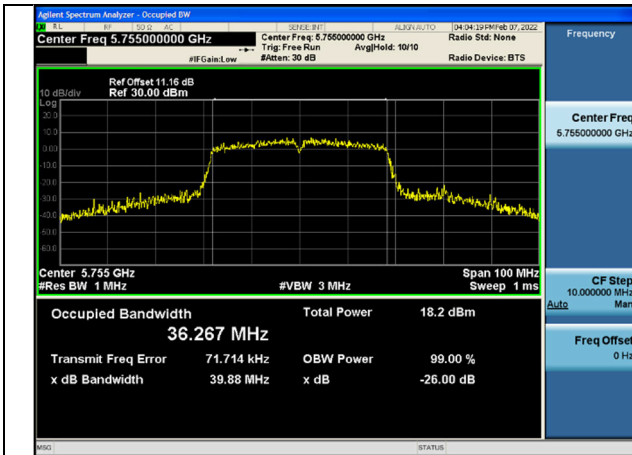
Test Mode:802.11n HT40 5795MHz Chain0



Test Mode:802.11n HT40 5755MHz Chain1

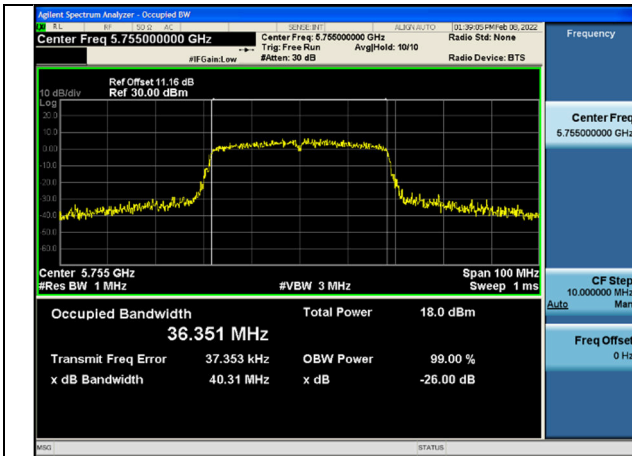
Test Mode:802.11n HT40 5795MHz Chain1

Test Mode: 802.11ac VHT40

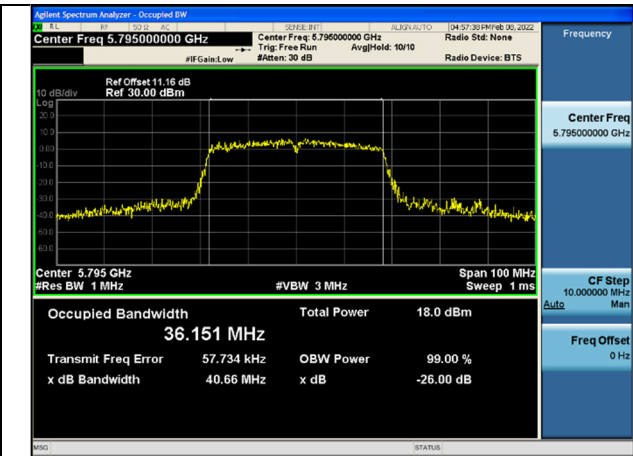


Test Mode:802.11ac VHT40 5755MHz Chain0

Test Mode:802.11ac VHT40 5795MHz Chain0

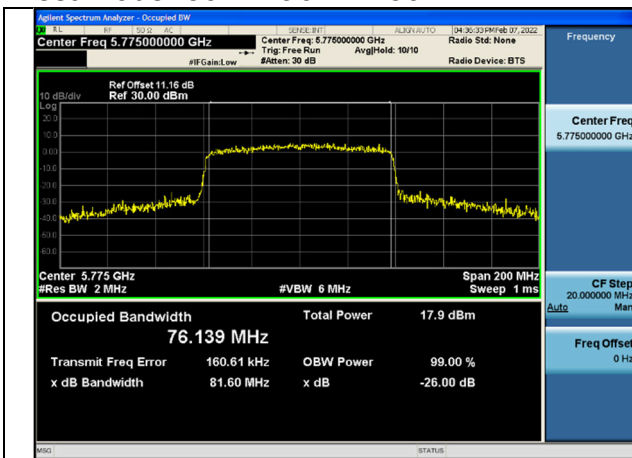


Test Mode:802.11ac VHT40 5755MHz Chain1

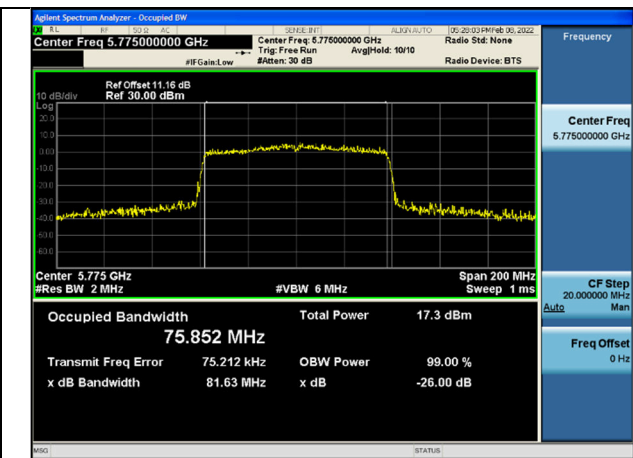


Test Mode:802.11ac VHT40 5795MHz Chain1

Test Mode: 802.11ac VHT80



Test Mode:802.11ac VHT80 5775MHz Chain0



Test Mode:802.11ac VHT80 5775MHz Chain1

Occupied Bandwidth

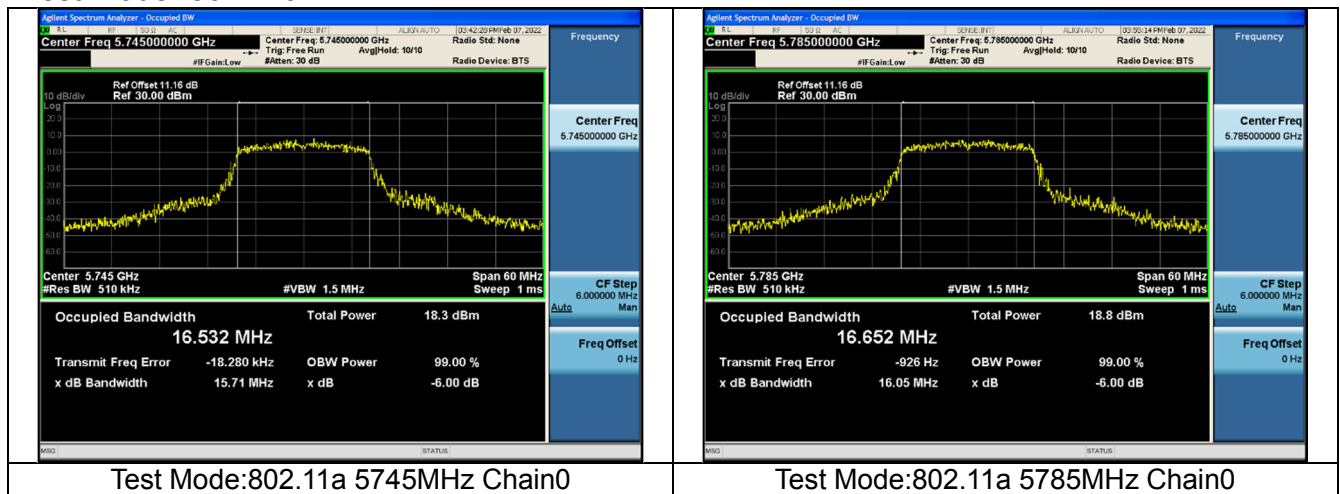
Offset 11.16dB = Attenuator 10dB+ Temporary antenna connector loss 0.2 dB + Cable loss 0.96 dB

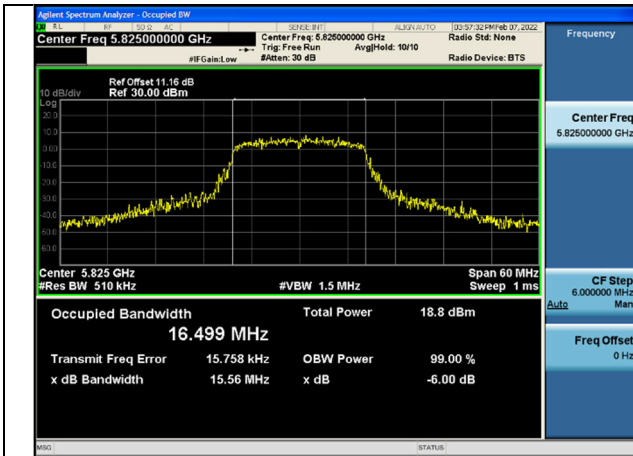
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		Channel No.667 5745MHz	Channel No.675 5785MHz	Channel No.683 5825MHz
802.11a	Chain0	16.532	16.652	16.499
802.11a	Chain1	16.662	16.491	16.577
802.11n HT20	Chain0	17.621	17.722	17.748
802.11n HT20	Chain1	17.682	17.725	17.667
802.11ac VHT20	Chain0	17.759	17.637	17.647
802.11ac VHT20	Chain1	17.902	17.697	17.741

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		Channel No.669 5755MHz	---	Channel No.677 5795MHz
802.11n HT40	Chain0	36.208	---	36.195
802.11n HT40	Chain1	36.184	---	36.118
802.11ac VHT40	Chain0	36.217	---	36.274
802.11ac VHT40	Chain1	36.132	---	36.174

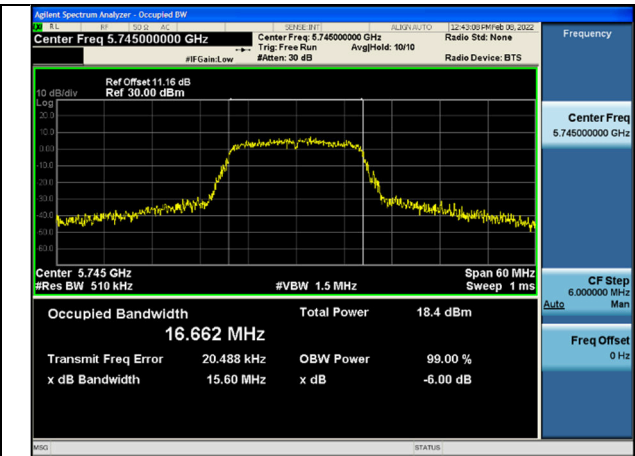
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		Channel No.673 5775MHz	---	---
802.11ac VHT80	Chain0	75.965	---	---
802.11ac VHT80	Chain1	76.025	---	---

Test Mode: 802.11a

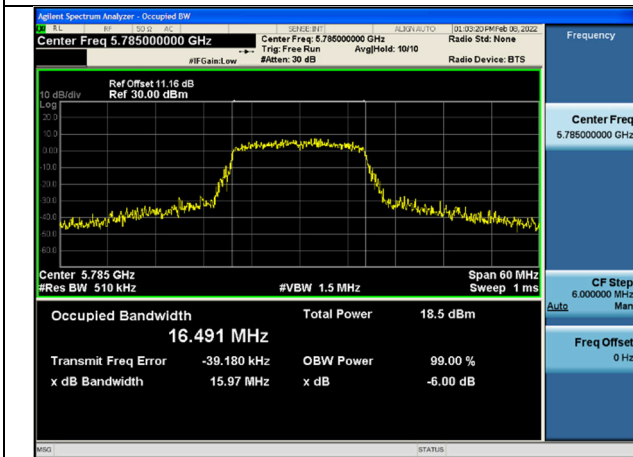




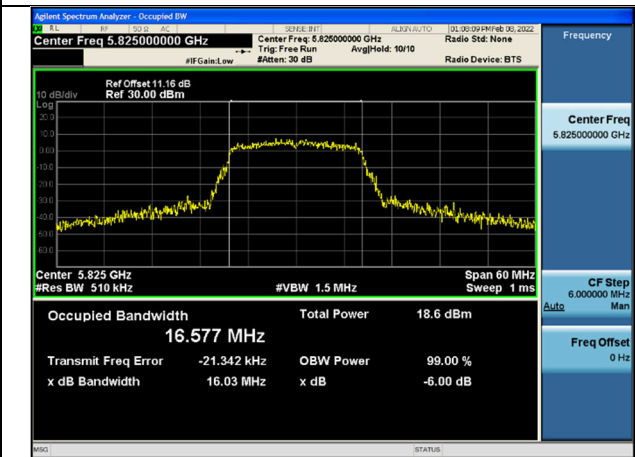
Test Mode:802.11a 5825MHz Chain0



Test Mode:802.11a 5745MHz Chain1

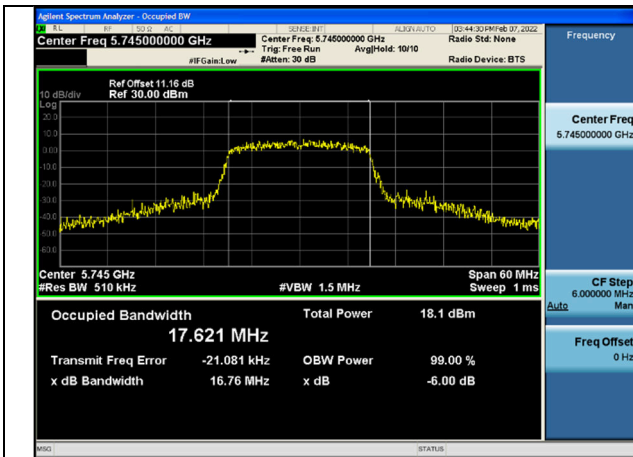


Test Mode:802.11a 5785MHz Chain1

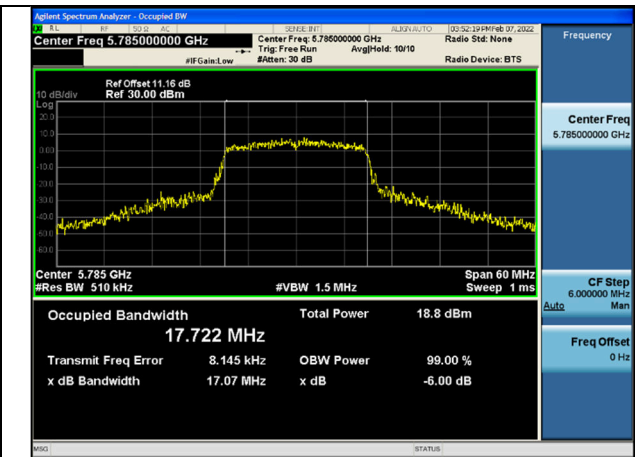


Test Mode:802.11a 5825MHz Chain1

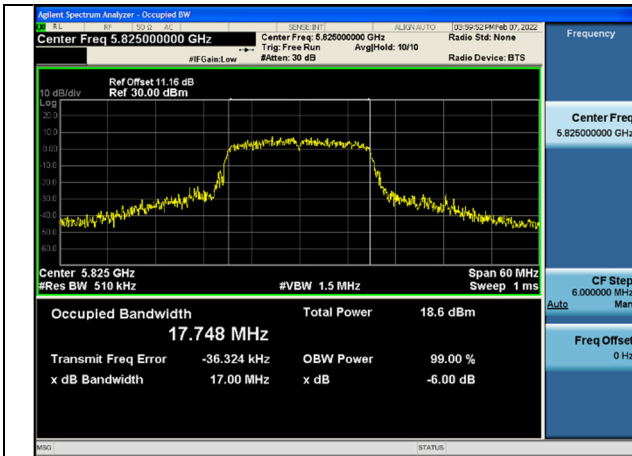
Test Mode: 802.11n HT20



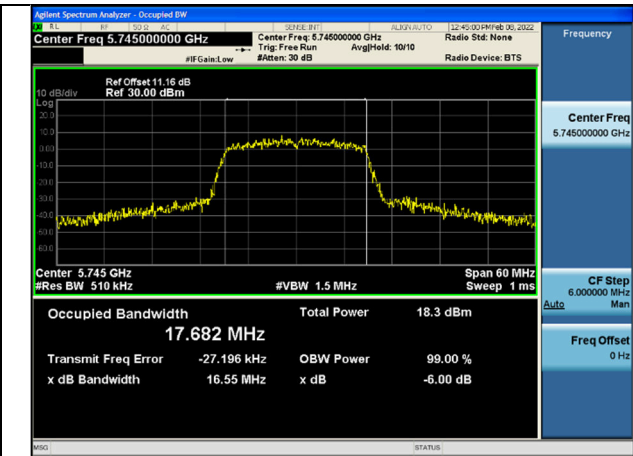
Test Mode:802.11n HT20 5745MHz Chain0



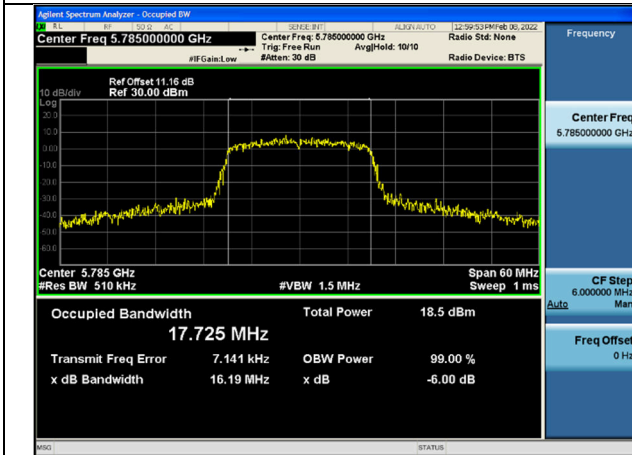
Test Mode:802.11n HT20 5785MHz Chain0



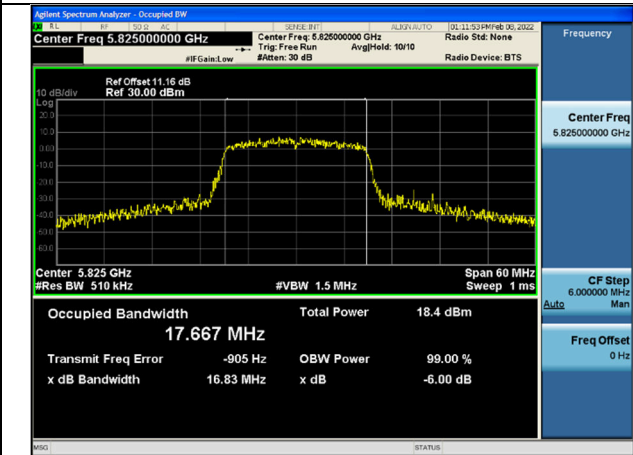
Test Mode:802.11n HT20 5825MHz Chain0



Test Mode:802.11n HT20 5745MHz Chain1

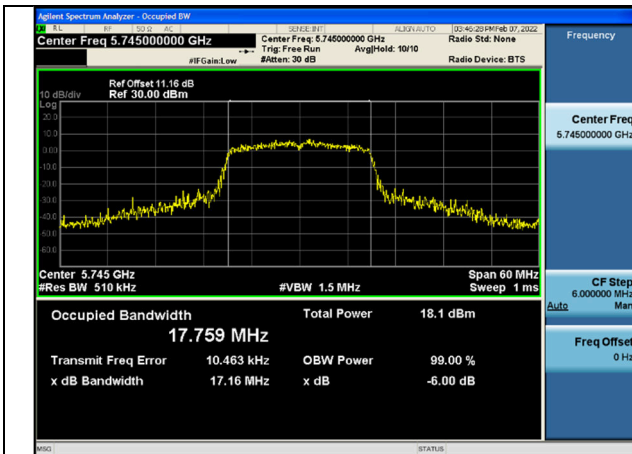


Test Mode:802.11n HT20 5785MHz Chain1

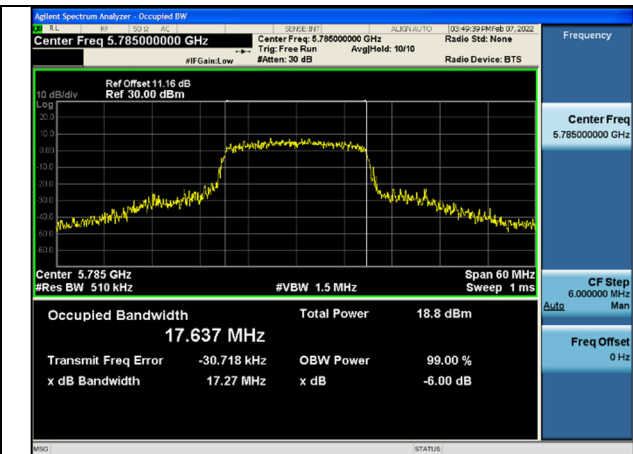


Test Mode:802.11n HT20 5825MHz Chain1

Test Mode: 802.11ac VHT20



Test Mode:802.11ac VHT20 5745MHz Chain0



Test Mode:802.11ac VHT20 5785MHz Chain0