

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5260	98.67%	0
802.11a	5260	98.68%	0
802.11n HT20	5260	98.60%	0
802.11n HT20	5260	98.57%	0
802.11ac VHT20	5260	98.68%	0
802.11ac VHT20	5260	98.70%	0
802.11n HT40	5270	97.37%	0.12
802.11n HT40	5270	97.29%	0.12
802.11ac VHT40	5270	97.27%	0.12
802.11ac VHT40	5270	97.31%	0.12
802.11ac VHT80	5290	95.11%	0.22
802.11ac VHT80	5290	94.88%	0.23

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	5260	Chain0	15.37	19.44
802.11a	NA	5260	Chain1	16.00	17.00
802.11a	NA	5280	Chain0	15.66	19.73
802.11a	NA	5280	Chain1	16.15	17.15
802.11a	NA	5320	Chain0	15.90	19.97
802.11a	NA	5320	Chain1	16.27	17.27
802.11n HT20	NA	5260	Chain0	15.29	19.36
802.11n HT20	NA	5260	Chain1	15.94	16.94
802.11n HT20	NA	5260	MIMO	18.64	20.82
802.11n HT20	NA	5280	Chain0	15.53	19.60
802.11n HT20	NA	5280	Chain1	16.00	17.00
802.11n HT20	NA	5280	MIMO	18.78	20.96
802.11n HT20	NA	5320	Chain0	15.69	19.76
802.11n HT20	NA	5320	Chain1	16.14	17.14
802.11n HT20	NA	5320	MIMO	18.93	21.11
802.11ac VHT20	NA	5260	Chain0	15.39	19.46
802.11ac VHT20	NA	5260	Chain1	15.95	16.95
802.11ac VHT20	NA	5260	MIMO	18.69	20.87
802.11ac VHT20	NA	5280	Chain0	15.63	19.70
802.11ac VHT20	NA	5280	Chain1	16.01	17.01
802.11ac VHT20	NA	5280	MIMO	18.83	21.01
802.11ac VHT20	NA	5320	Chain0	15.72	19.79
802.11ac VHT20	NA	5320	Chain1	16.15	17.15

Mode	Tones/ RUIndex	Freq (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11ac VHT20	NA	5320	MIMO	18.95	21.13
802.11n HT40	NA	5270	Chain0	15.43	19.50
802.11n HT40	NA	5270	Chain1	16.01	17.01
802.11n HT40	NA	5270	MIMO	18.74	20.92
802.11n HT40	NA	5310	Chain0	15.67	19.74
802.11n HT40	NA	5310	Chain1	16.08	17.08
802.11n HT40	NA	5310	MIMO	18.89	21.07
802.11ac VHT40	NA	5270	Chain0	15.47	19.54
802.11ac VHT40	NA	5270	Chain1	15.93	16.93
802.11ac VHT40	NA	5270	MIMO	18.72	20.90
802.11ac VHT40	NA	5310	Chain0	15.70	19.77
802.11ac VHT40	NA	5310	Chain1	16.18	17.18
802.11ac VHT40	NA	5310	MIMO	18.96	21.14
802.11ac VHT80	NA	5290	Chain0	15.26	19.33
802.11ac VHT80	NA	5290	Chain1	15.75	16.75
802.11ac VHT80	NA	5290	MIMO	18.52	20.70

Emission Bandwidth

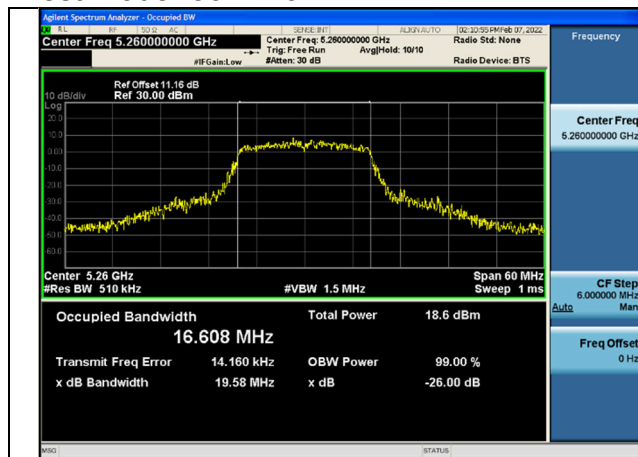
Offset 11.16dB = Attenuator 10dB+ Temporary antenna connector loss 0.2dB + Cable loss 0.96dB

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.570	Channel No.574	Channel No.582
		5260MHz	5280MHz	5320MHz
802.11a	Chain0	19.58	19.69	19.76
802.11a	Chain1	19.71	19.80	19.84
802.11n HT20	Chain0	20.28	20.59	20.23
802.11n HT20	Chain1	20.10	20.23	19.92
802.11ac VHT20	Chain0	20.51	20.15	20.20
802.11ac VHT20	Chain1	20.01	20.07	20.52

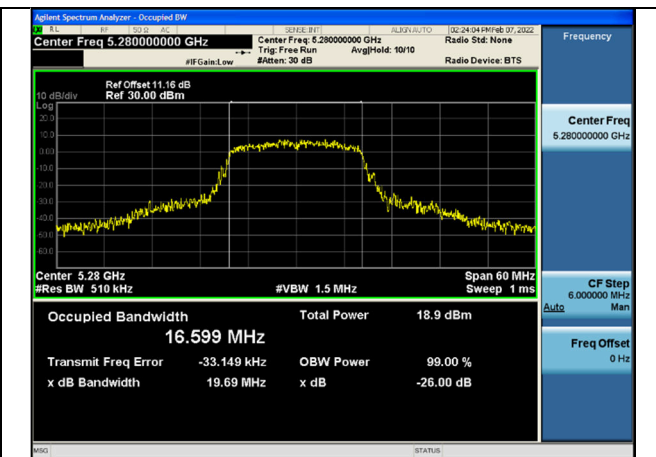
Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.572	---	Channel No.580
		5270MHz	---	5310MHz
802.11n HT40	Chain0	40.63	---	39.67
802.11n HT40	Chain1	40.39	---	40.56
802.11ac VHT40	Chain0	41.20	---	40.96
802.11ac VHT40	Chain1	40.92	---	40.49

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.576	---	---
		5290MHz	---	---
802.11ac VHT80	Chain0	80.99	---	---
802.11ac VHT80	Chain1	81.30	---	---

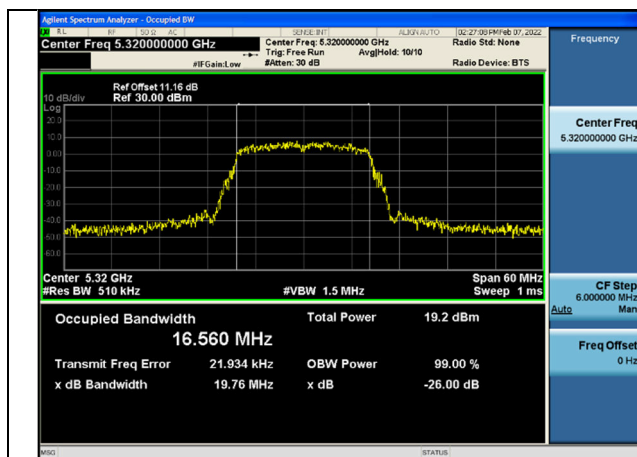
Test Mode: 802.11a



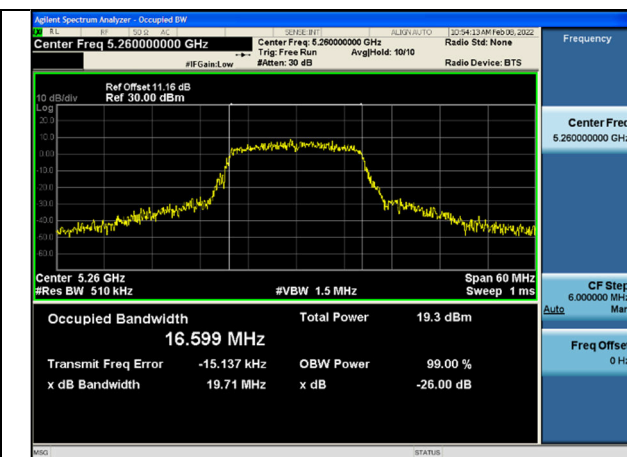
Test Mode:802.11a 5260MHz Chain0



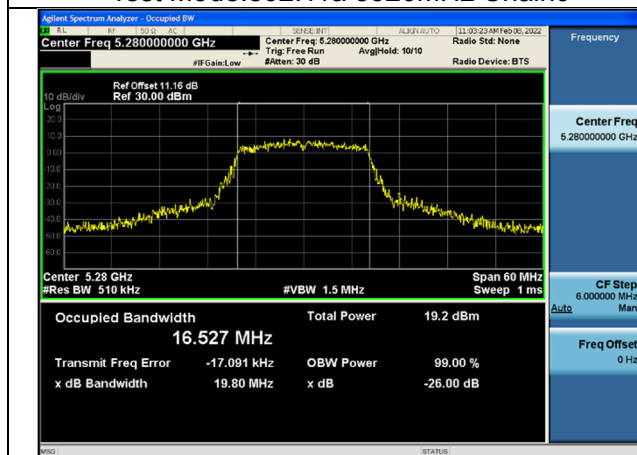
Test Mode:802.11a 5280MHz Chain0



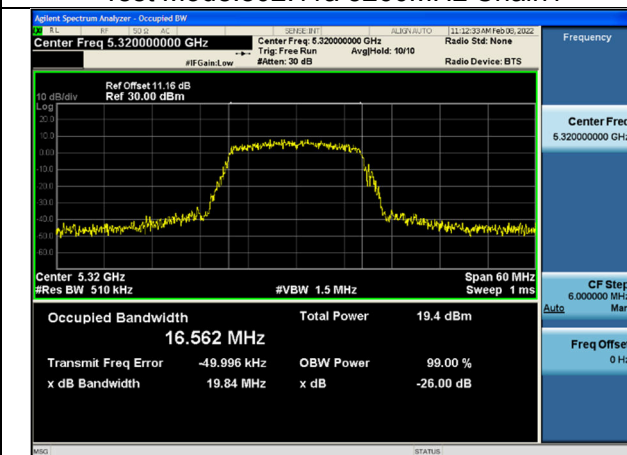
Test Mode:802.11a 5320MHz Chain0



Test Mode:802.11a 5260MHz Chain1

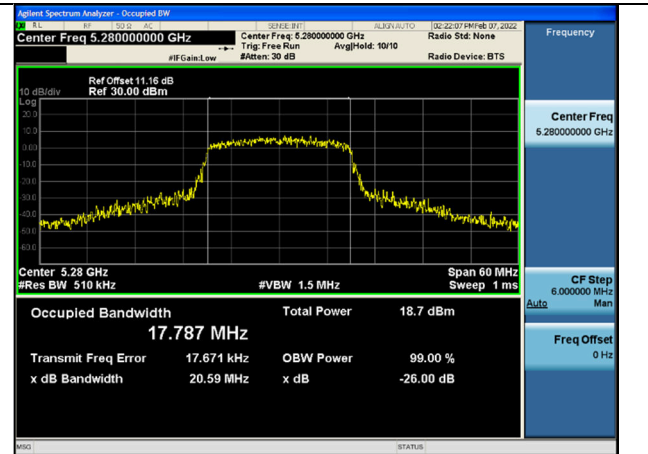
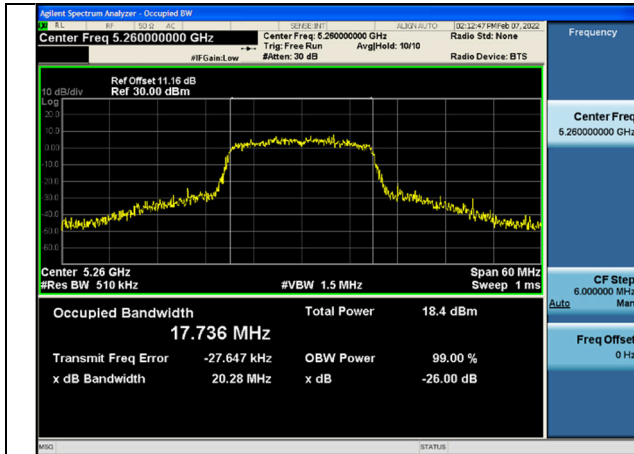


Test Mode:802.11a 5280MHz Chain1



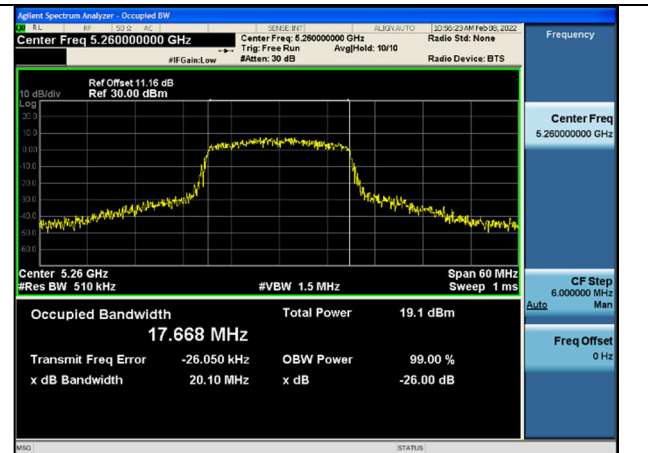
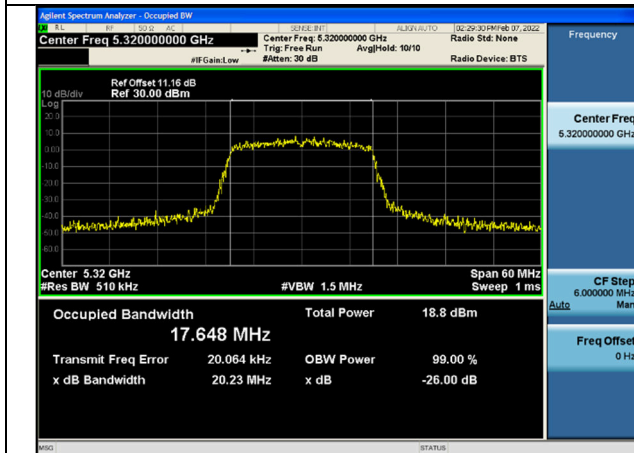
Test Mode:802.11a 5320MHz Chain1

Test Mode: 802.11n HT20



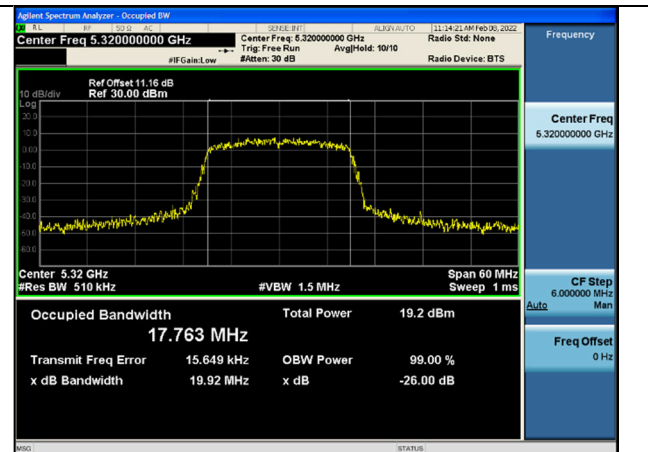
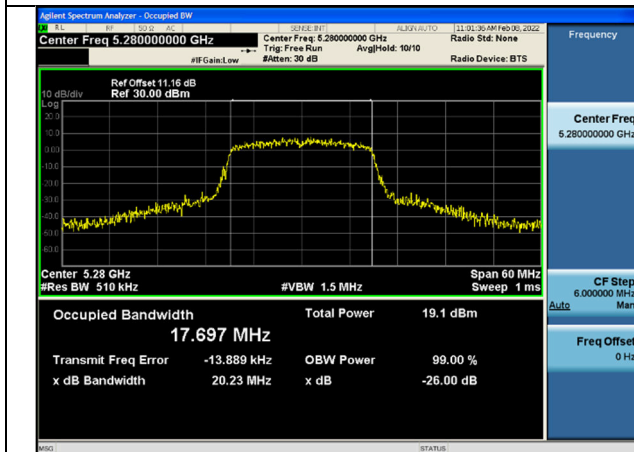
Test Mode:802.11n HT20 5260MHz Chain0

Test Mode:802.11n HT20 5280MHz Chain0



Test Mode:802.11n HT20 5320MHz Chain0

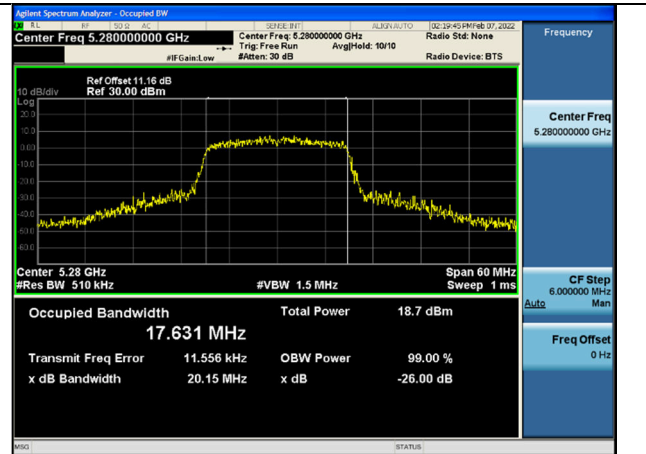
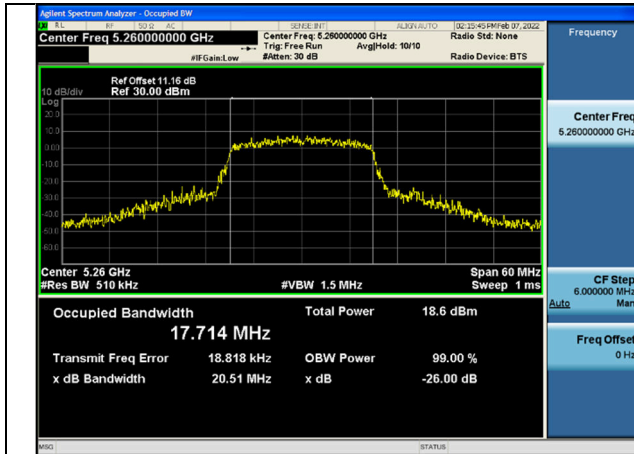
Test Mode:802.11n HT20 5260MHz Chain1



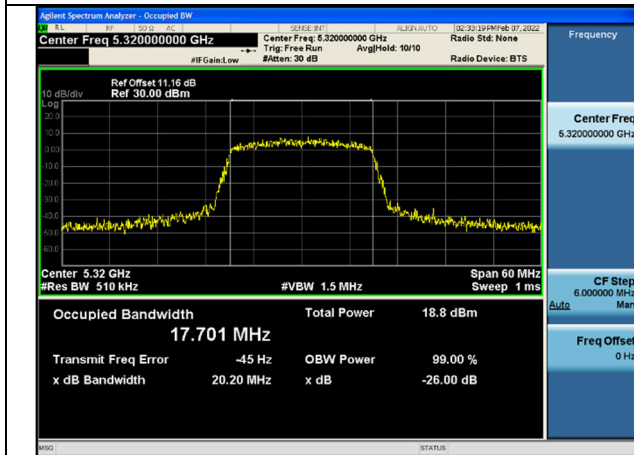
Test Mode:802.11n HT20 5280MHz Chain1

Test Mode:802.11n HT20 5320MHz Chain1

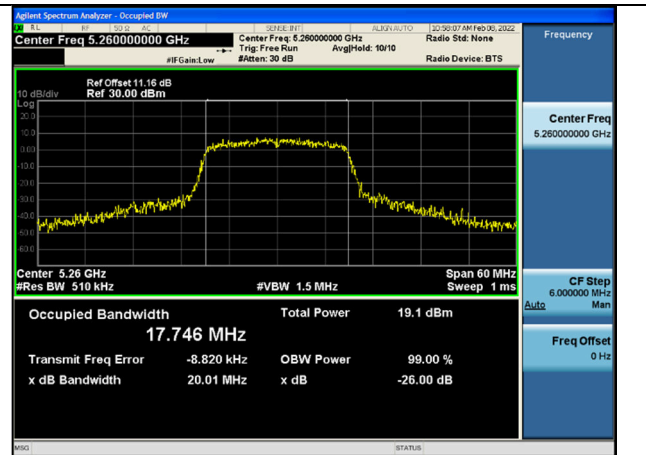
Test Mode: 802.11ac VHT20



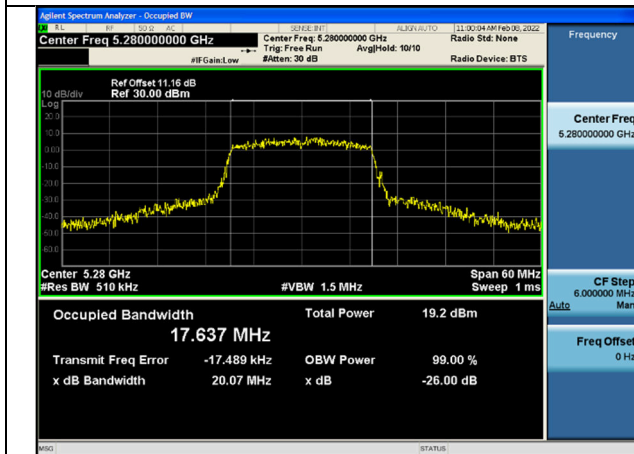
Test Mode: 802.11ac VHT20 5260MHz Chain0



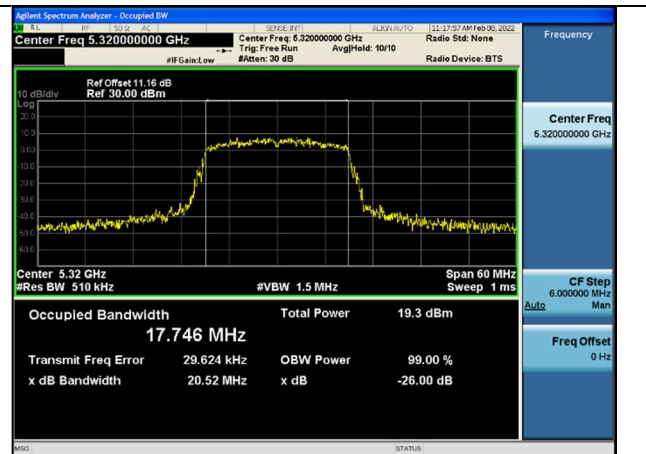
Test Mode: 802.11ac VHT20 5280MHz Chain0



Test Mode: 802.11ac VHT20 5320MHz Chain0



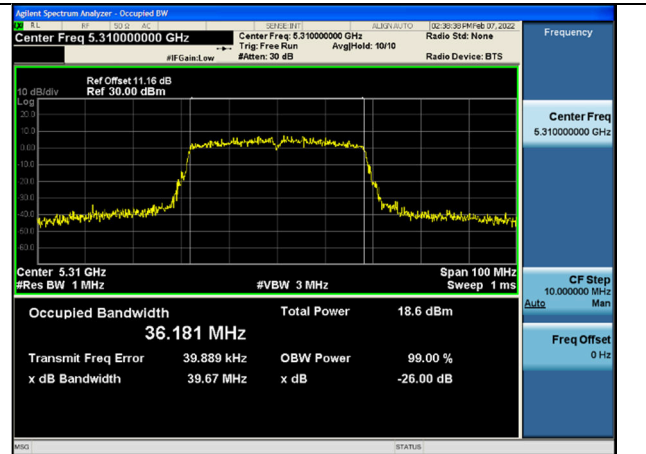
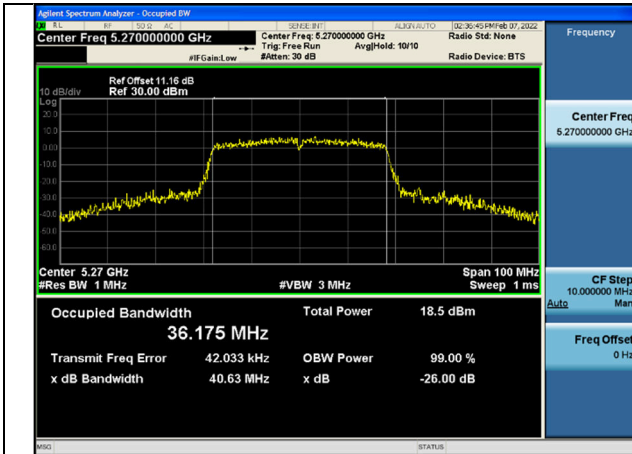
Test Mode: 802.11ac VHT20 5260MHz Chain1



Test Mode: 802.11ac VHT20 5280MHz Chain1

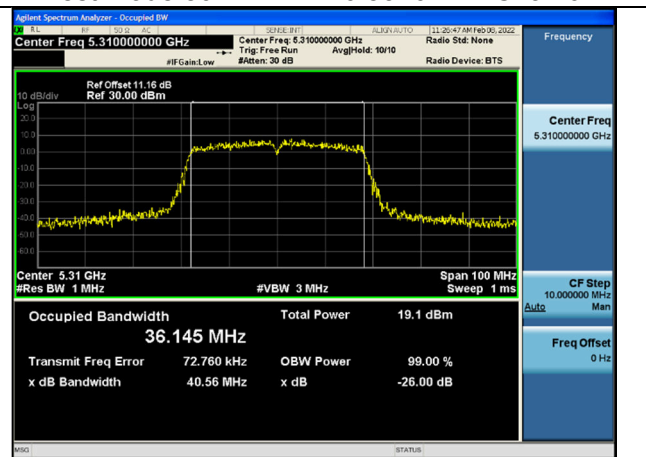
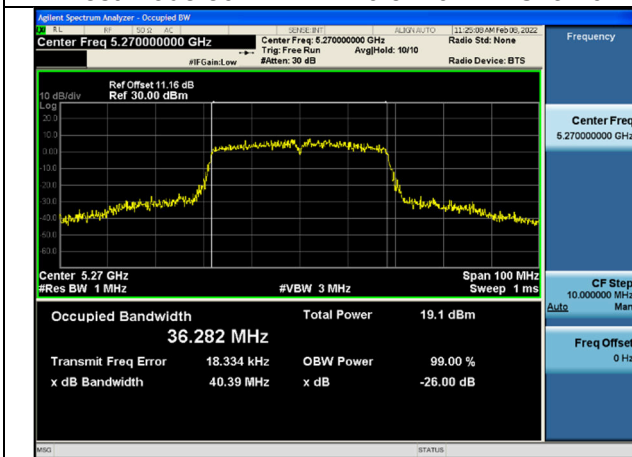
Test Mode: 802.11ac VHT20 5320MHz Chain1

Test Mode: 802.11n HT40



Test Mode:802.11n HT40 5270MHz Chain0

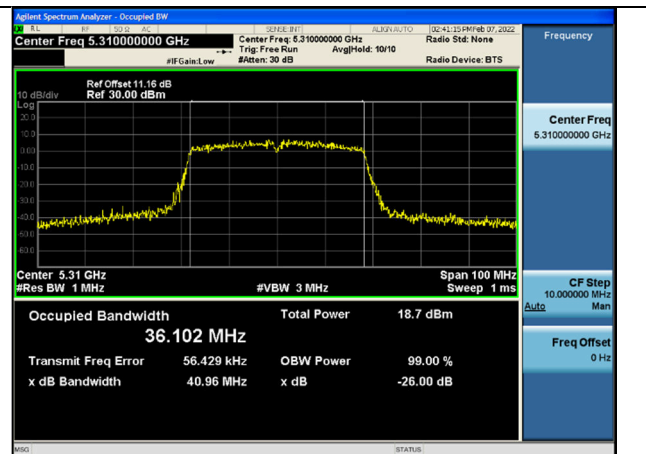
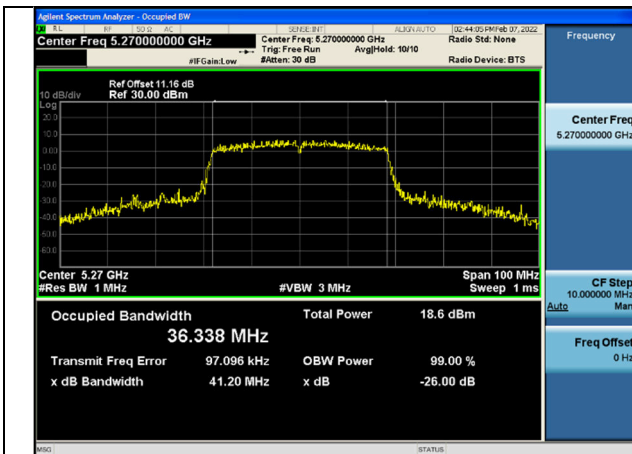
Test Mode:802.11n HT40 5310MHz Chain0



Test Mode:802.11n HT40 5270MHz Chain1

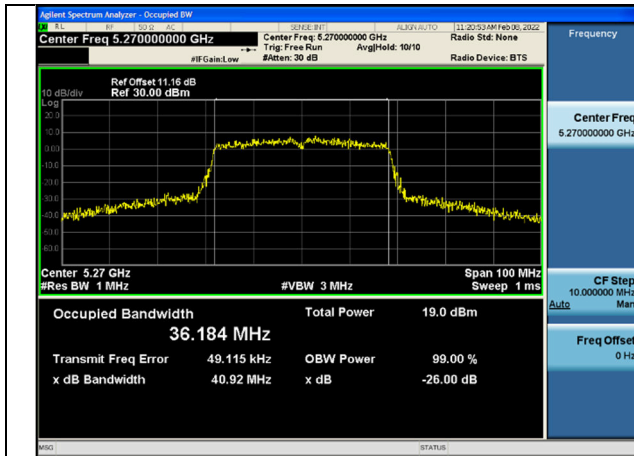
Test Mode:802.11n HT40 5310MHz Chain1

Test Mode: 802.11ac VHT40

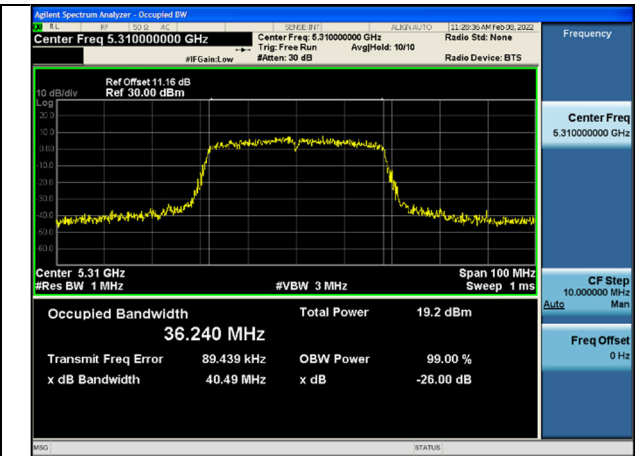


Test Mode:802.11ac VHT40 5270MHz Chain0

Test Mode:802.11ac VHT40 5310MHz Chain0

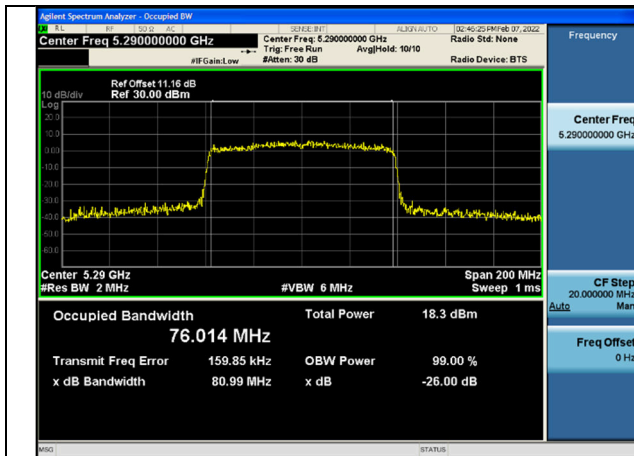


Test Mode:802.11ac VHT40 5270MHz Chain1

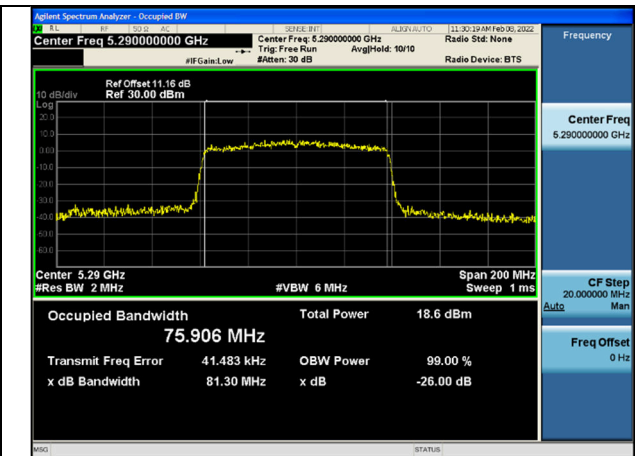


Test Mode:802.11ac VHT40 5310MHz Chain1

Test Mode: 802.11ac VHT80



Test Mode:802.11ac VHT80 5290MHz Chain0



Test Mode:802.11ac VHT80 5290MHz Chain1

Occupied Bandwidth

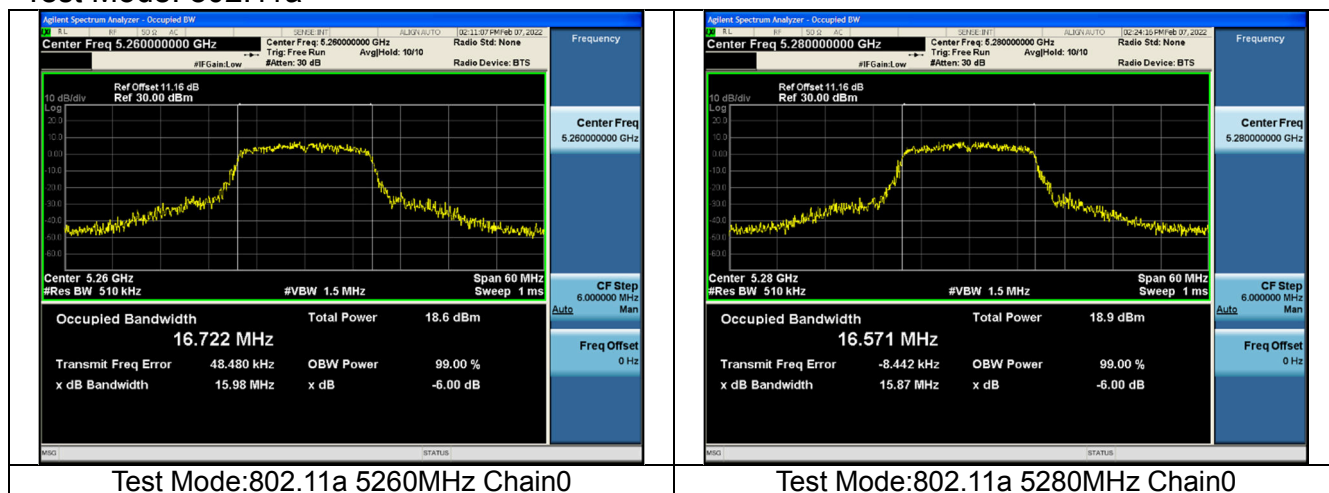
Offset 11.16dB = Attenuator 10dB+ Temporary antenna connector loss 0.2dB + Cable loss 0.96dB

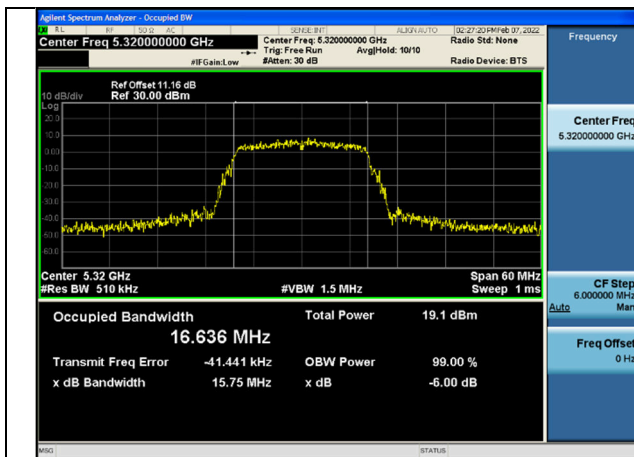
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		Channel No.570 5260MHz	Channel No.574 5280MHz	Channel No.582 5320MHz
802.11a	Chain0	16.722	16.571	16.636
802.11a	Chain1	16.538	16.583	16.619
802.11n HT20	Chain0	17.617	17.719	17.785
802.11n HT20	Chain1	17.725	17.599	17.652
802.11ac VHT20	Chain0	17.719	17.692	17.687
802.11ac VHT20	Chain1	17.774	17.701	17.735

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		Channel No.572 5270MHz	---	Channel No.580 5310MHz
802.11n HT40	Chain0	36.224	---	36.259
802.11n HT40	Chain1	36.162	---	36.215
802.11ac VHT40	Chain0	36.269	---	36.158
802.11ac VHT40	Chain1	36.314	---	36.175

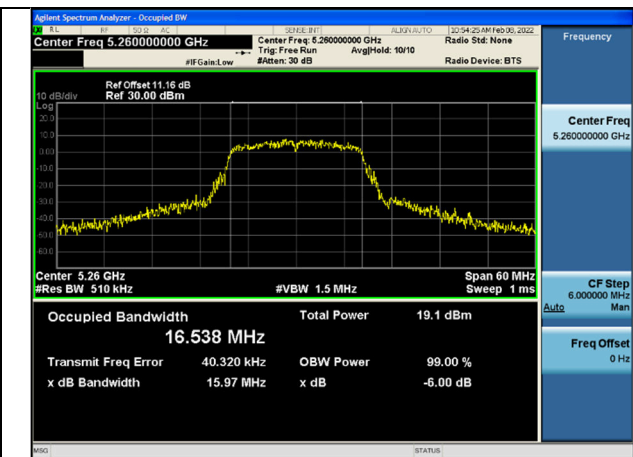
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		Channel No.576 5290MHz	---	---
802.11ac VHT80	Chain0	75.906	---	---
802.11ac VHT80	Chain1	76.044	---	---

Test Mode: 802.11a

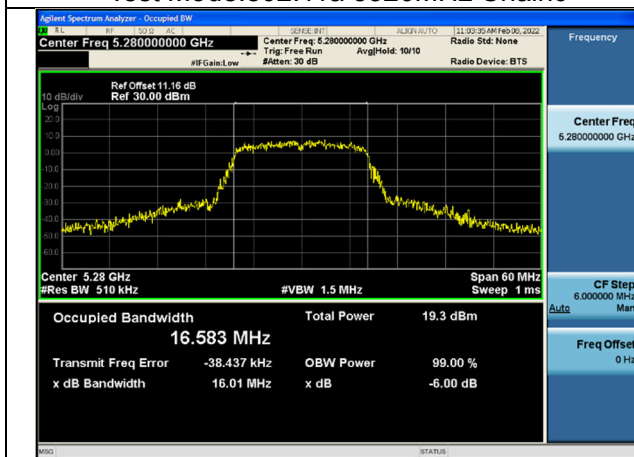




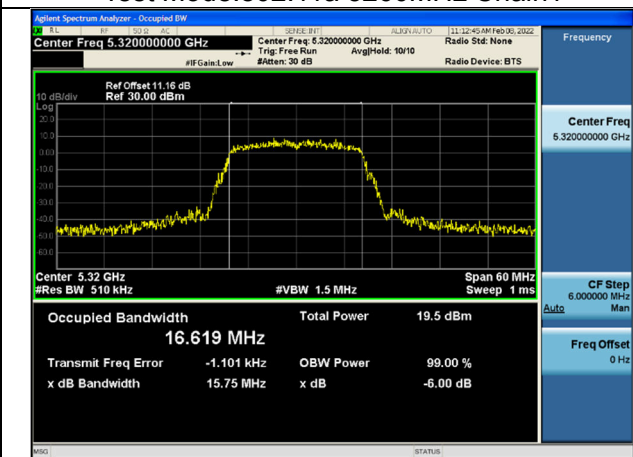
Test Mode:802.11a 5320MHz Chain0



Test Mode:802.11a 5260MHz Chain1

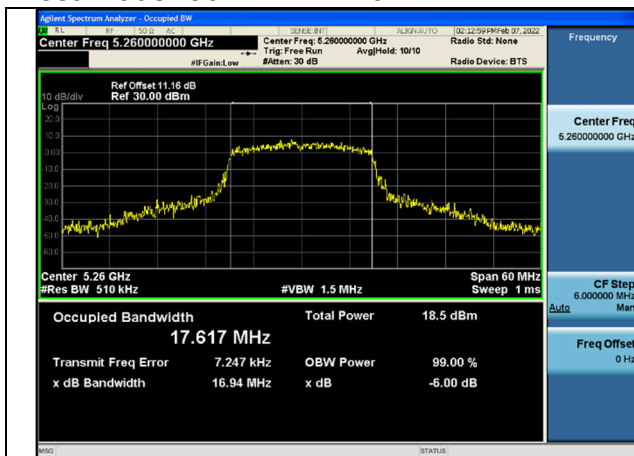


Test Mode:802.11a 5280MHz Chain1

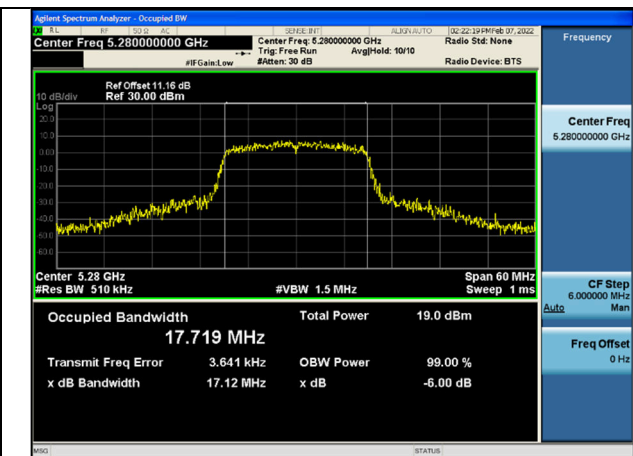


Test Mode:802.11a 5320MHz Chain1

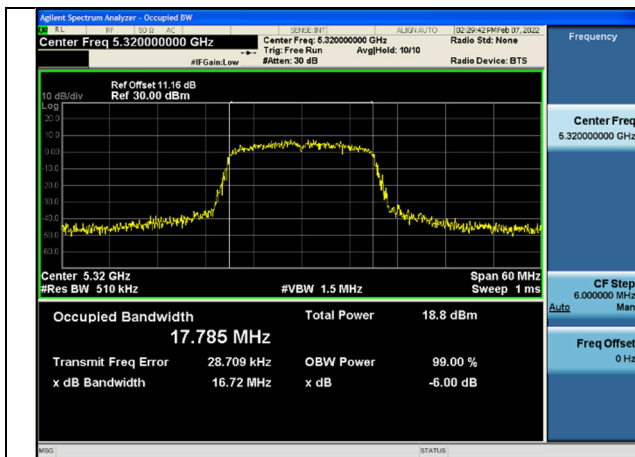
Test Mode: 802.11n HT20



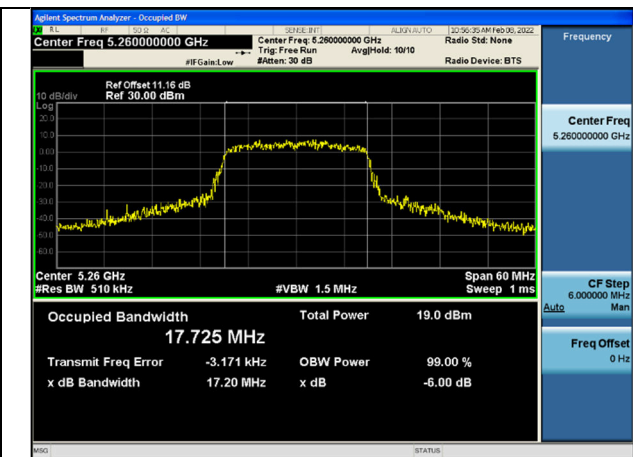
Test Mode:802.11n HT20 5260MHz Chain0



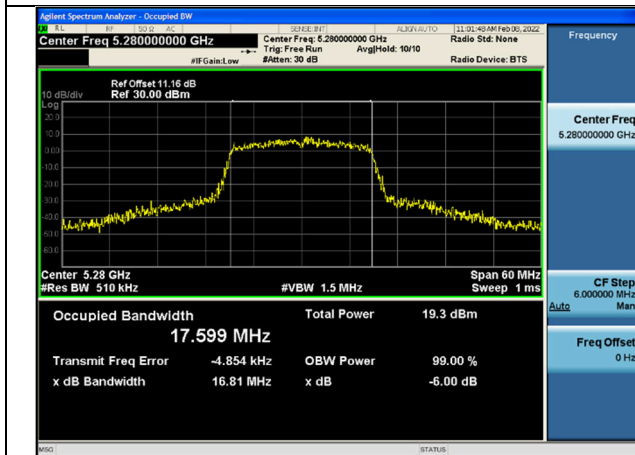
Test Mode:802.11n HT20 5280MHz Chain0



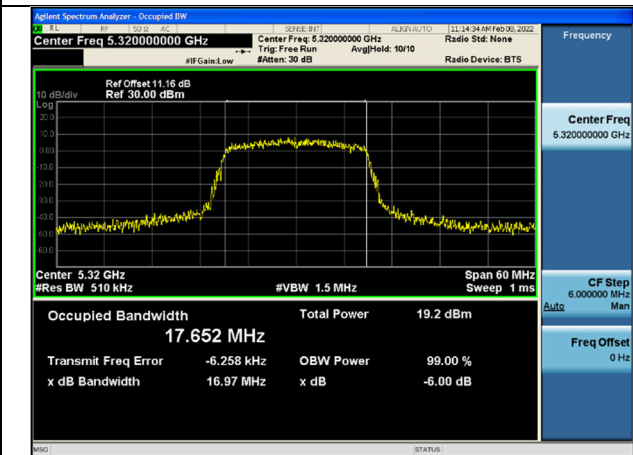
Test Mode:802.11n HT20 5320MHz Chain0



Test Mode:802.11n HT20 5260MHz Chain1

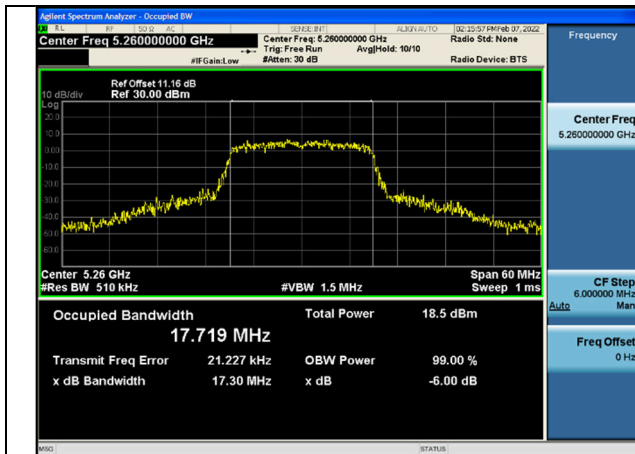


Test Mode:802.11n HT20 5280MHz Chain1

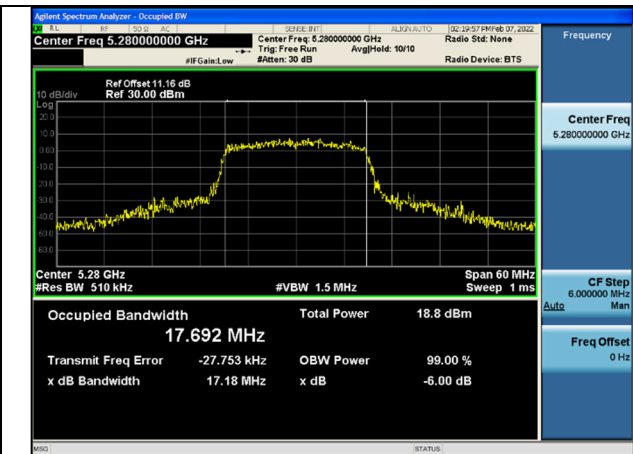


Test Mode:802.11n HT20 5320MHz Chain1

Test Mode: 802.11ac VHT20



Test Mode:802.11ac VHT20 5260MHz Chain0



Test Mode:802.11ac VHT20 5280MHz Chain0