

## **APPENDIX A – TEST DATA OF CONDUCTED EMISSION**

### **Duty Cycle**

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5500	98.99%	0.04
802.11n HT20	5500	98.91%	0.05
802.11n HT40	5510	98.04%	0.09
802.11ac VHT20	5500	98.94%	0.05
802.11ac VHT40	5510	97.98%	0.09
802.11ac VHT80	5530	96.06%	0.17

### **Output Power NII2C**

Mode	Tones/ RUIndex	Freq (MHz)	Chain	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5500	Chain0	13.61	14.21
		5580	Chain0	13.90	14.50
		5700	Chain0	13.39	13.99
		5720	Chain0	12.02	12.62
802.11n20M		5500	Chain0	13.43	14.03
		5580	Chain0	13.77	14.37
		5700	Chain0	13.28	13.88
		5720	Chain0	11.72	12.32
802.11n40M		5510	Chain0	13.79	14.39
		5590	Chain0	13.91	14.51
		5670	Chain0	13.86	14.46
		5710	Chain0	11.79	12.39
802.11ac20M		5500	Chain0	13.35	13.95
		5580	Chain0	13.62	14.22
		5700	Chain0	13.23	13.83
		5720	Chain0	11.74	12.34
802.11ac40M	5510	Chain0	13.70	14.30	
	5590	Chain0	13.91	14.51	
	5670	Chain0	13.90	14.50	
	5710	Chain0	11.79	12.39	
802.11ac80M	5530	Chain0	13.52	14.12	
	5610	Chain0	13.92	14.52	
	5690	Chain0	11.66	12.26	

### Emission Bandwidth

Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

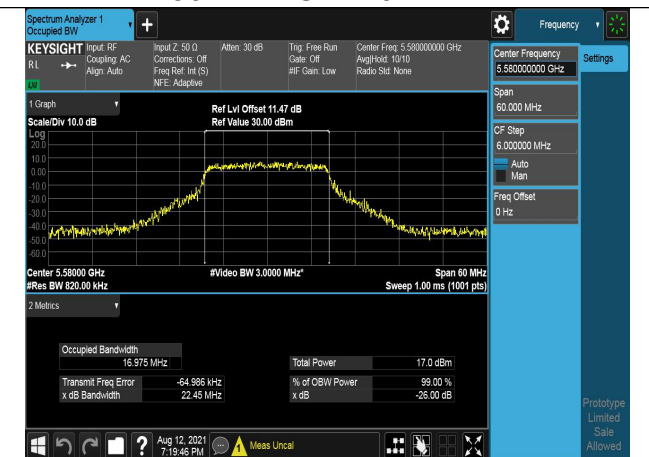
Test Mode:802.11a

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5500	Chain0	24.04
5580	Chain0	22.45
5700	Chain0	21.62
5720	Chain0	21.65

Test Mode:802.11a Chain0



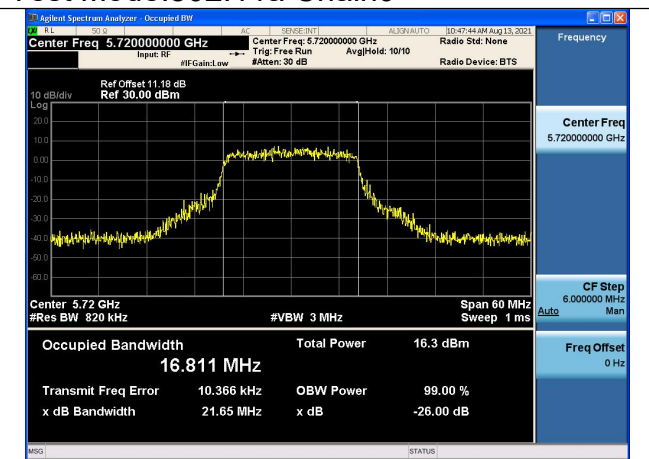
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



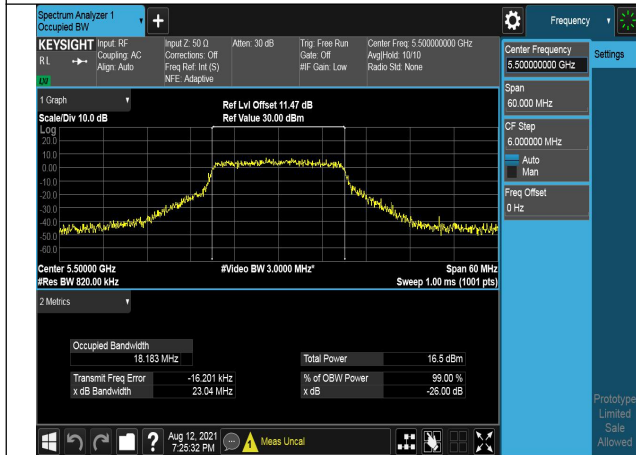
Test Mode:802.11a Chain0



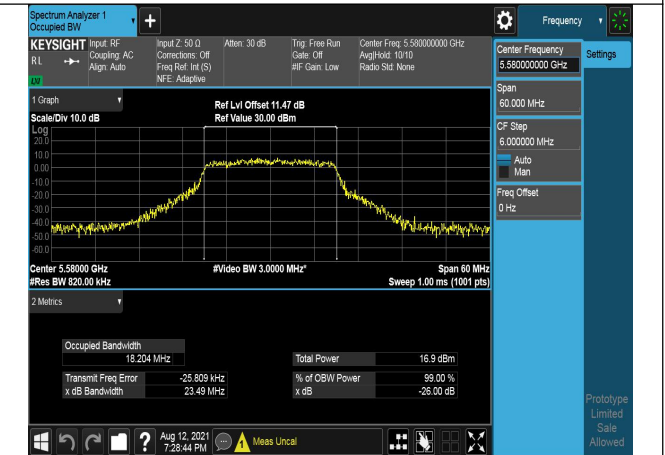
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5500	Chain0	23.04
5580	Chain0	23.49
5700	Chain0	24.12
5720	Chain0	23.09

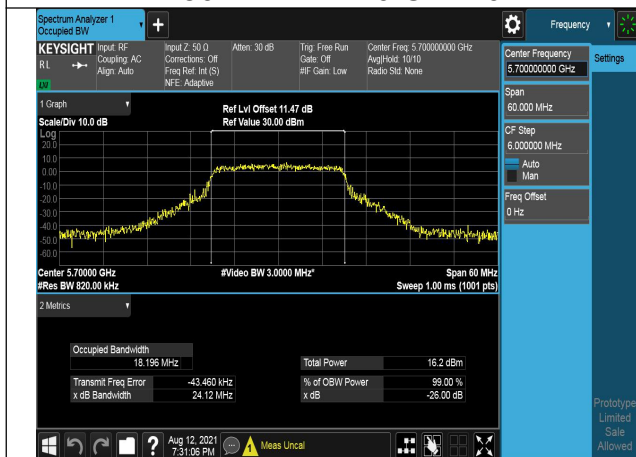
Test Mode:802. 11n HT20 Chain0



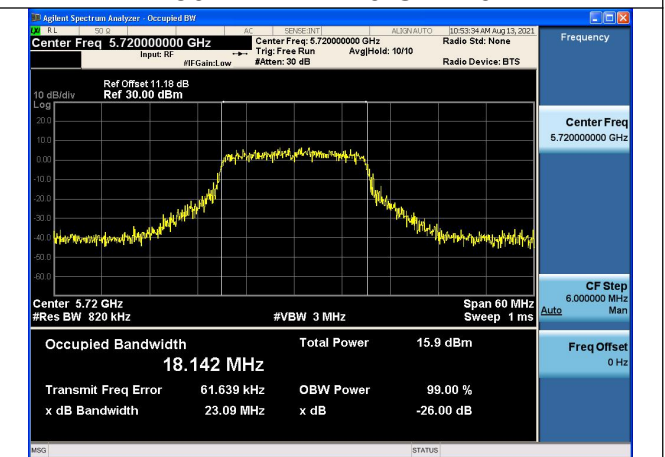
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



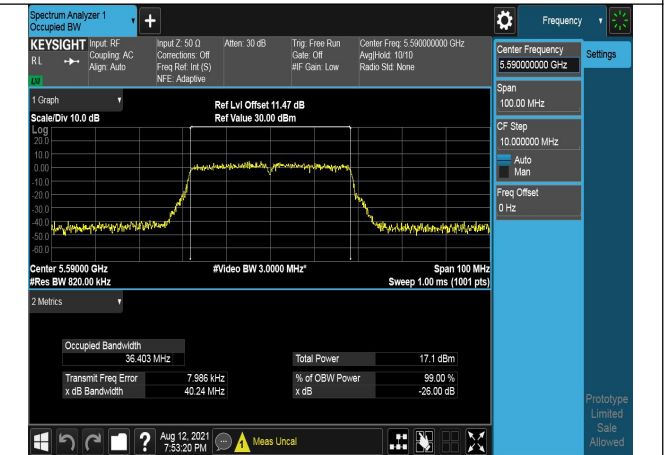
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5510	Chain0	41.38
5590	Chain0	40.24
5670	Chain0	40.16
5710	Chain0	41.38

Test Mode:802. 11n HT40 Chain0



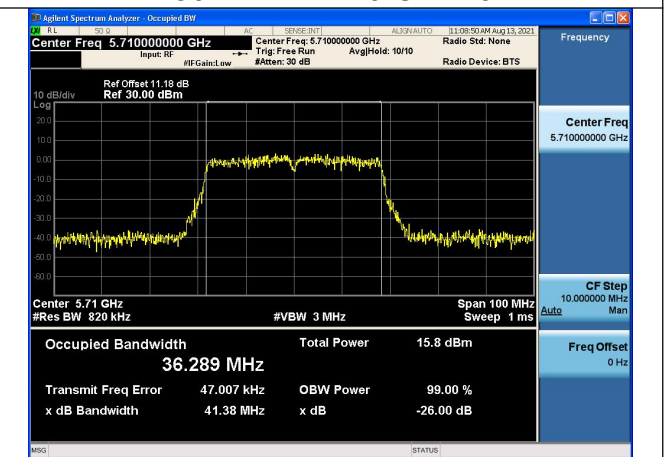
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



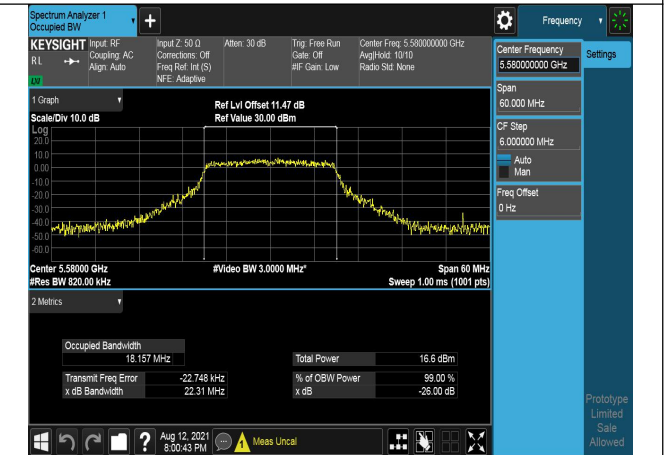
Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5500	Chain0	23.46
5580	Chain0	22.31
5700	Chain0	24.20
5720	Chain0	23.28

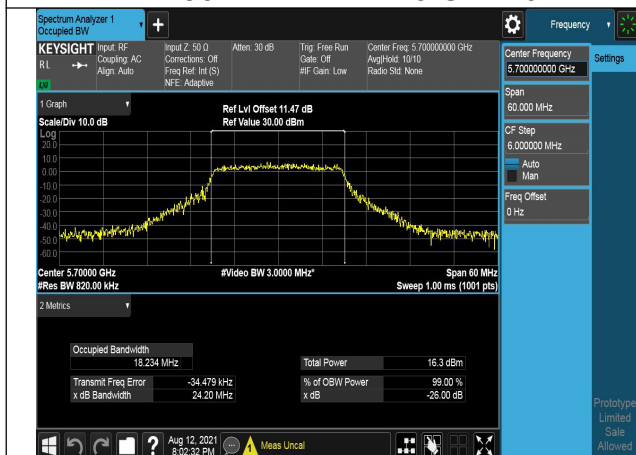
Test Mode:802. 11ac VHT20 Chain0



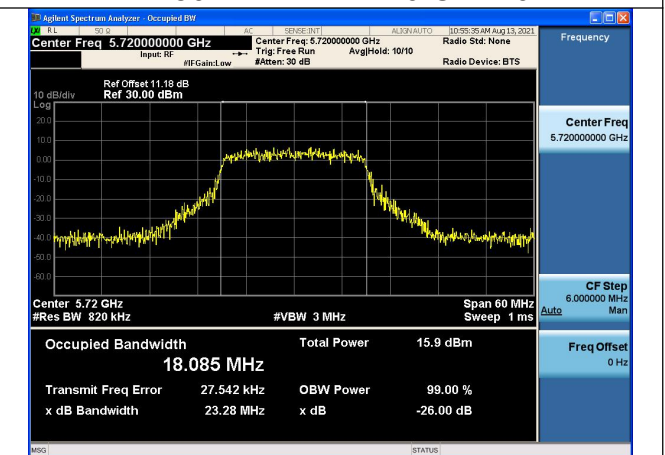
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



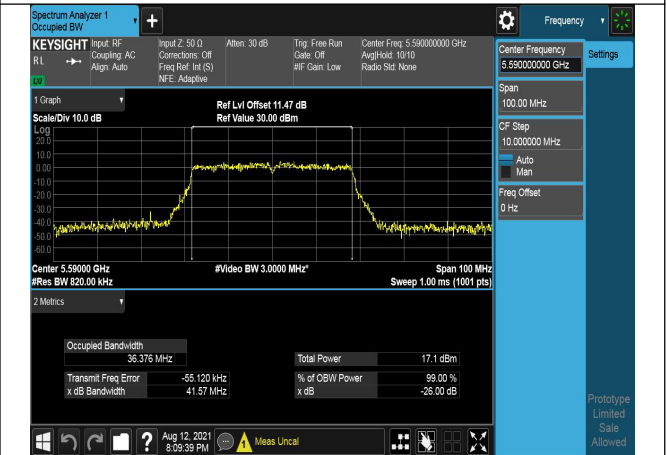
Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5510	Chain0	41.07
5590	Chain0	41.57
5670	Chain0	41.16
5710	Chain0	40.76

Test Mode:802. 11ac VHT40 Chain0



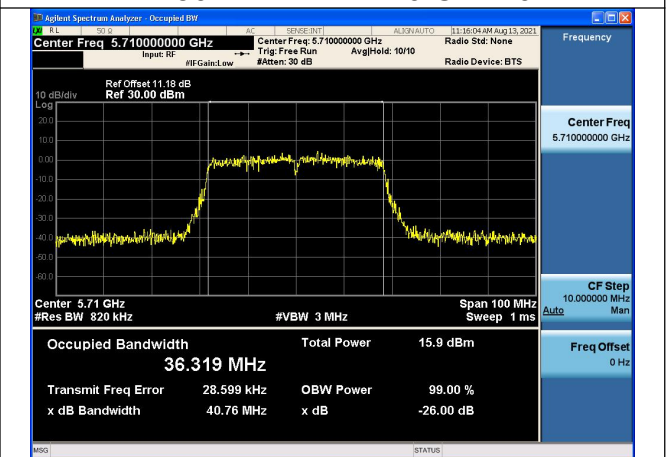
Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT40 Chain0





Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5530	Chain0	81.02
5610	Chain0	81.67
5690	Chain0	81.17

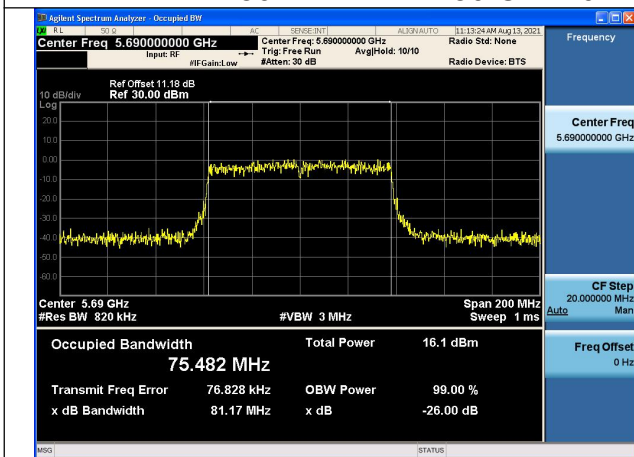
Test Mode:802. 11ac VHT80 Chain0



Test Mode:802. 11ac VHT80 Chain0



Test Mode:802. 11ac VHT80 Chain0



## Occupied Bandwidth

Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

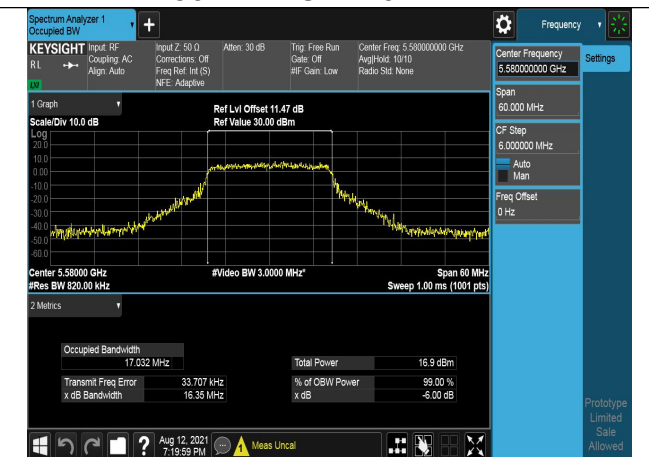
Test Mode:802.11a

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5500	Chain0	16.976
5580	Chain0	17.032
5700	Chain0	17.009
5720	Chain0	16.899

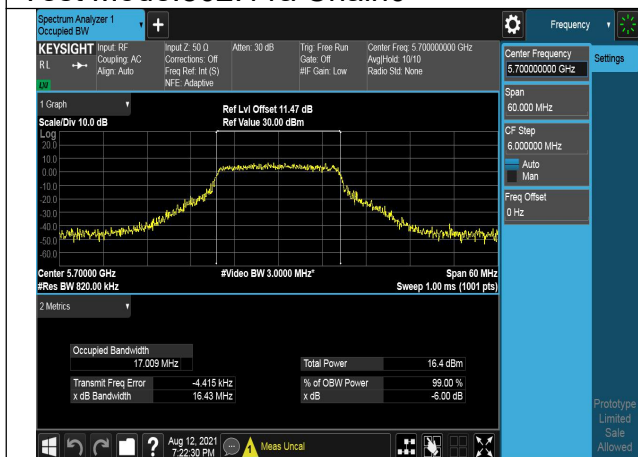
Test Mode:802.11a Chain0



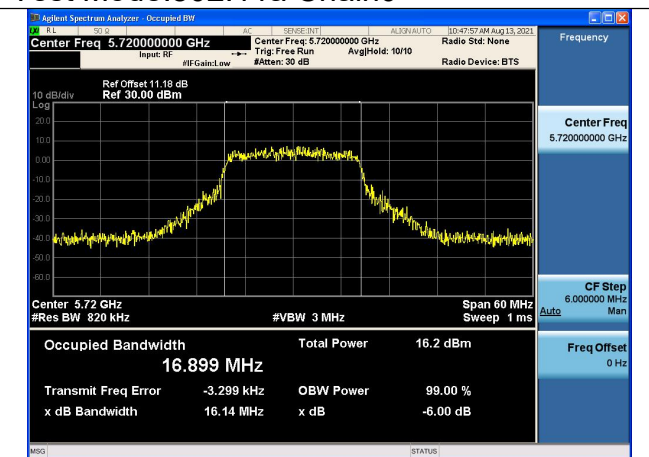
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



Test Mode:802.11a Chain0





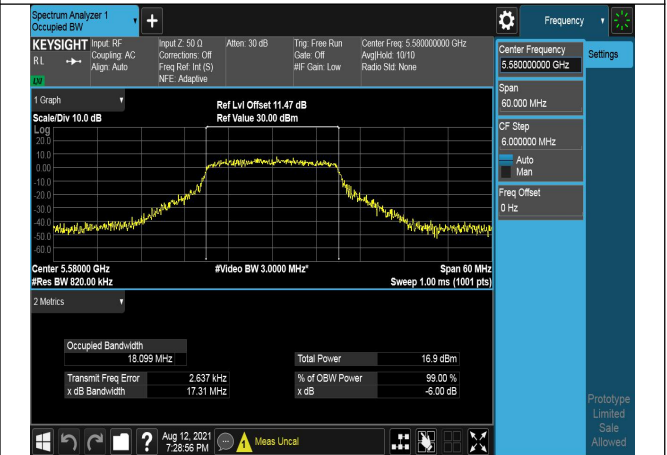
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5500	Chain0	18.176
5580	Chain0	18.099
5700	Chain0	18.085
5720	Chain0	18.201

Test Mode:802. 11n HT20 Chain0



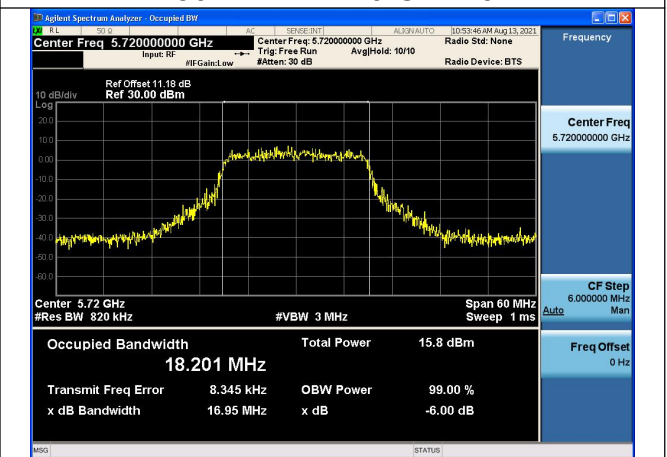
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5510	Chain0	36.466
5590	Chain0	36.385
5670	Chain0	36.365
5710	Chain0	36.290

Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0

