

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

### **Duty Cycle**

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5745	98.94%	0.05
802.11n HT20	5745	98.97%	0.05
802.11n HT40	5755	97.84%	0.09
802.11ac VHT20	5745	98.96%	0.05
802.11ac VHT40	5755	97.73%	0.10
802.11ac VHT80	5775	95.64%	0.19

### **Output Power**

#### **NI13**

Mode	Tones/ RUIndex	Freq (MHz)	Chain	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5720	Chain0	11.95	12.55
		5745	Chain0	13.07	13.97
		5785	Chain0	13.22	14.12
		5825	Chain0	13.30	14.20
802.11n20M		5720	Chain0	11.76	12.36
		5745	Chain0	12.94	13.84
		5785	Chain0	13.06	13.96
		5825	Chain0	13.13	14.03
802.11n40M		5710	Chain0	11.84	12.44
		5755	Chain0	13.30	14.20
		5795	Chain0	13.35	14.25
802.11ac20M		5720	Chain0	11.67	12.27
		5745	Chain0	12.87	13.77
		5785	Chain0	13.01	13.91
		5825	Chain0	13.11	14.01
802.11ac40M		5710	Chain0	11.75	12.35
	5755	Chain0	13.20	14.10	
	5795	Chain0	13.29	14.19	
802.11ac80M	5690	Chain0	11.69	12.29	
	5775	Chain0	12.95	13.85	

### Emission Bandwidth

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

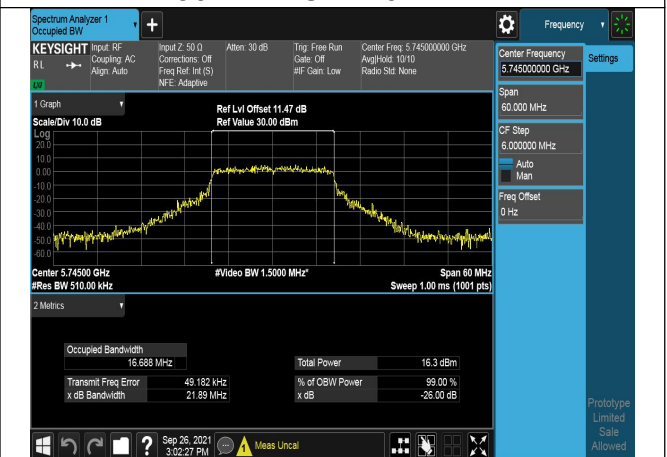
Test Mode:802.11a

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5720	Chain0	22.66
5745	Chain0	21.89
5785	Chain0	22.64
5825	Chain0	22.69

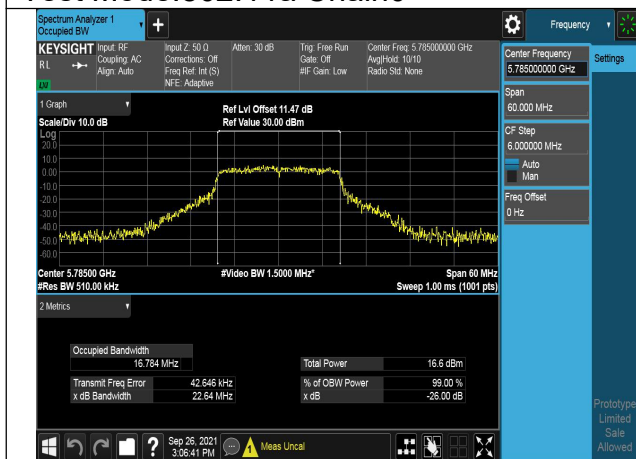
Test Mode:802.11a Chain0



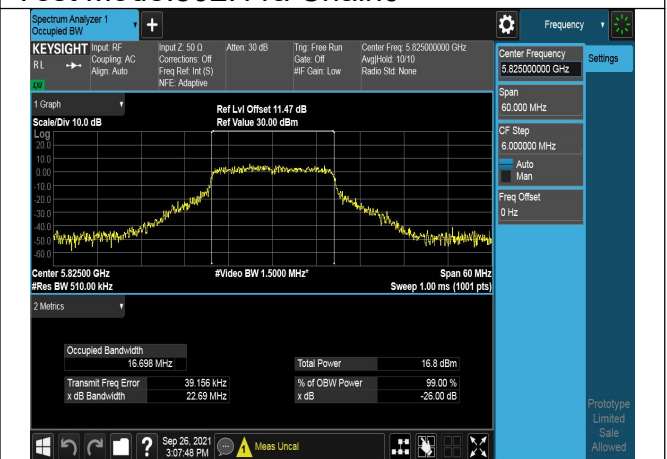
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



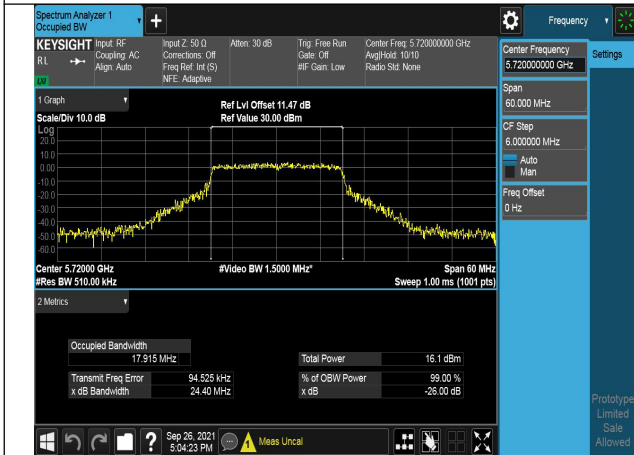
Test Mode:802.11a Chain0



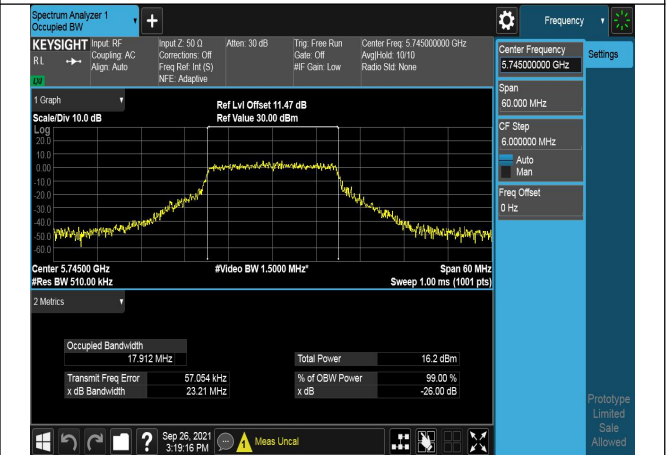
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5720	Chain0	24.40
5745	Chain0	23.21
5785	Chain0	22.94
5825	Chain0	23.32

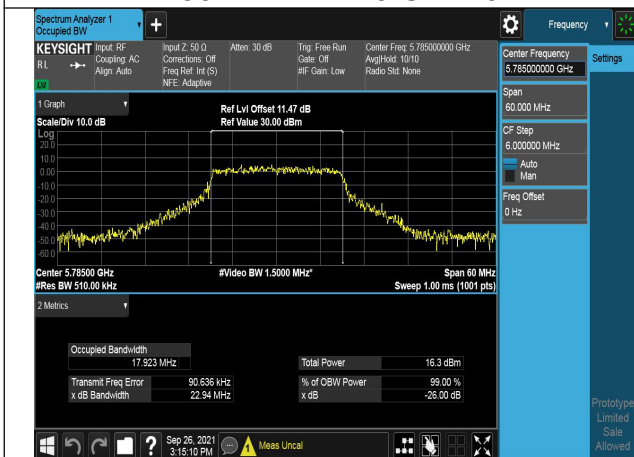
Test Mode:802. 11n HT20 Chain0



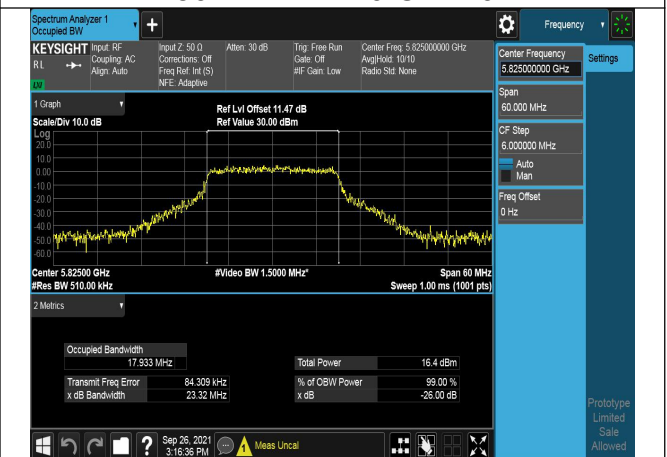
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



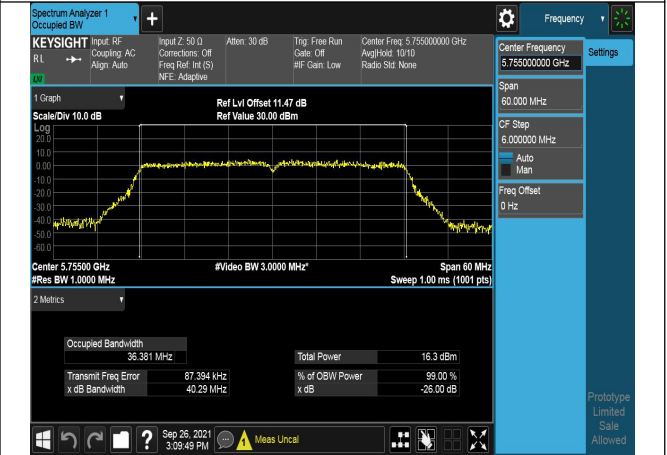
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5710	Chain0	41.54
5755	Chain0	40.29
5795	Chain0	41.04

Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



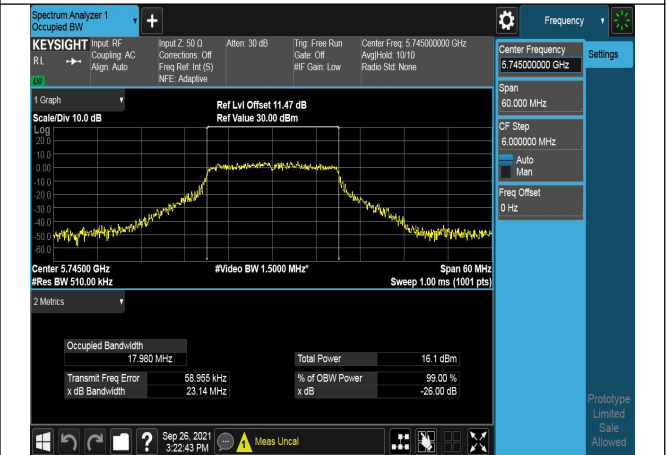
Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5720	Chain0	23.64
5745	Chain0	23.14
5785	Chain0	24.11
5825	Chain0	24.20

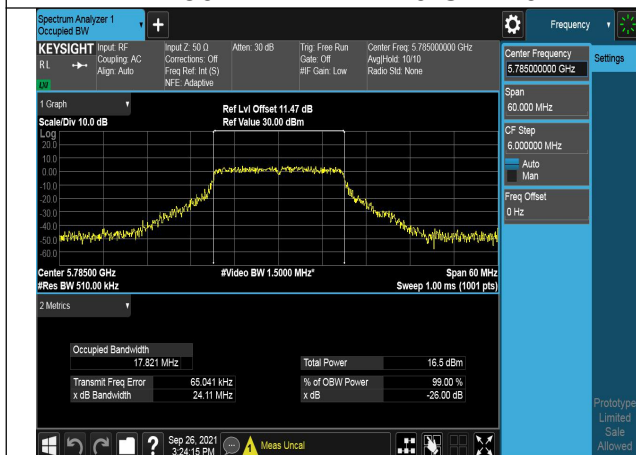
Test Mode:802. 11ac VHT20 Chain0



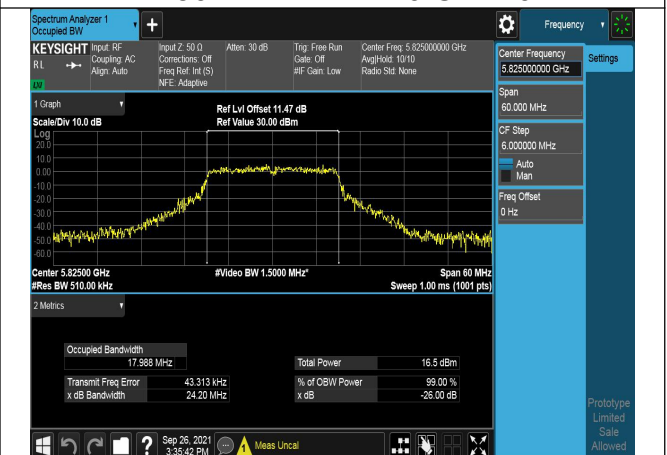
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



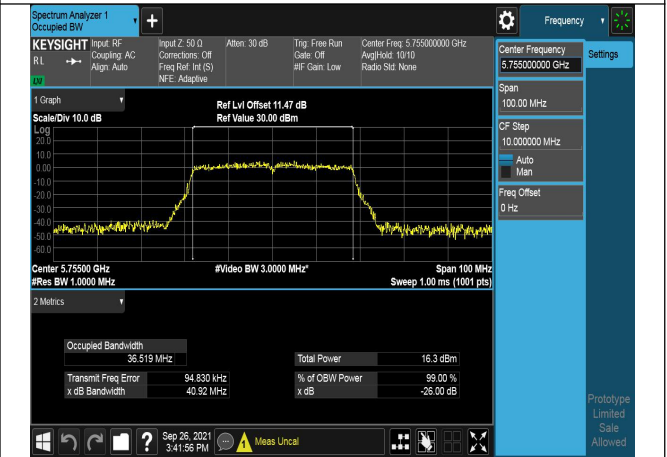
Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5710	Chain0	39.82
5755	Chain0	40.92
5795	Chain0	40.65

Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT40 Chain0



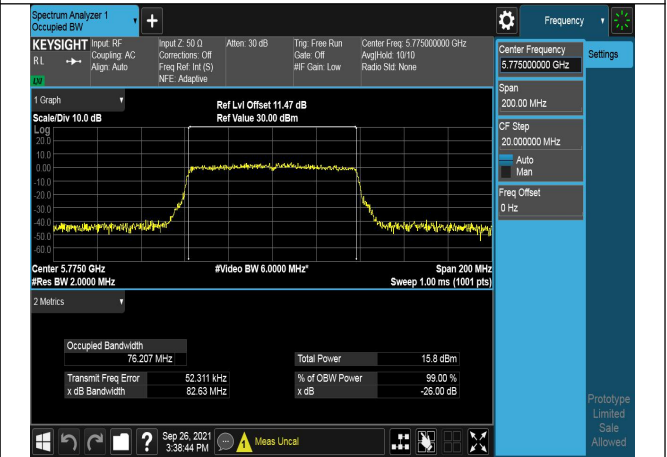
Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5690	Chain0	83.51
5775	Chain0	82.63

Test Mode:802. 11ac VHT80 Chain0



Test Mode:802. 11ac VHT80 Chain0



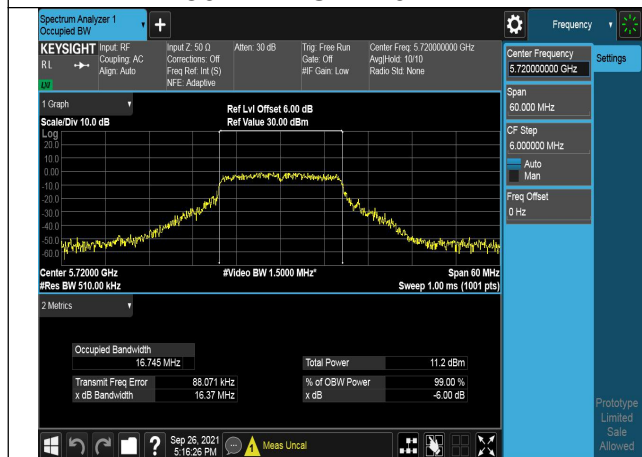
## Occupied Bandwidth

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

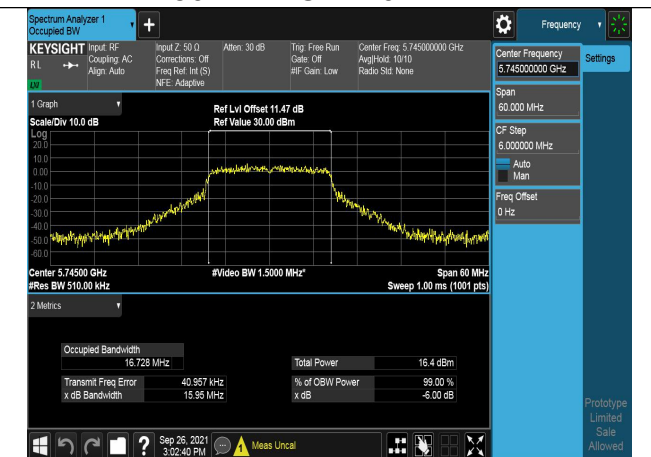
Test Mode:802.11a

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5720	Chain0	16.745
5745	Chain0	16.728
5785	Chain0	16.717
5825	Chain0	16.677

Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



Test Mode:802.11a Chain0





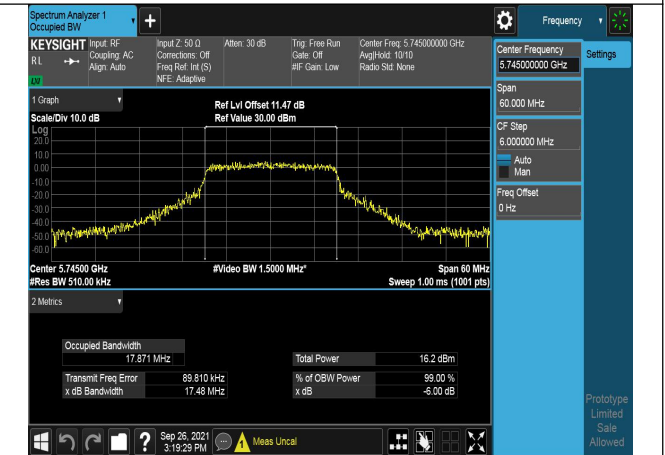
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5720	Chain0	17.865
5745	Chain0	17.871
5785	Chain0	17.958
5825	Chain0	17.950

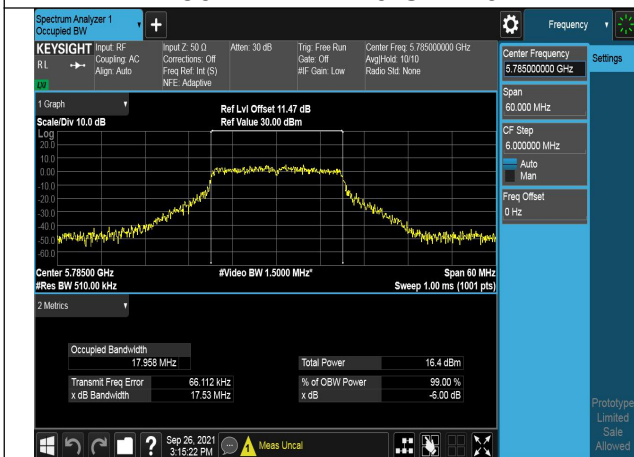
Test Mode:802. 11n HT20 Chain0



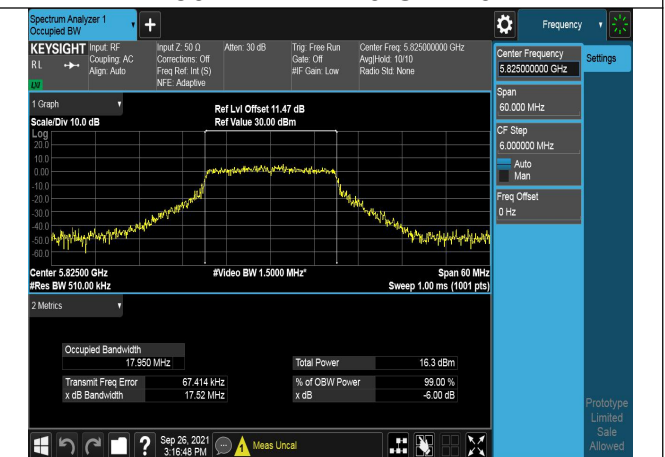
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



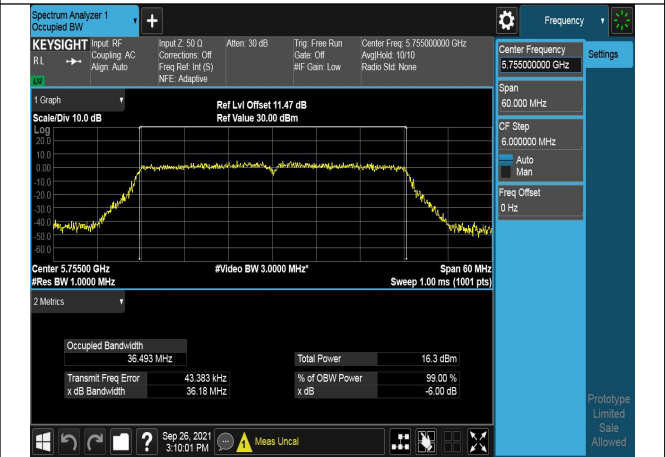
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5710	Chain0	36.535
5755	Chain0	36.493
5795	Chain0	36.510

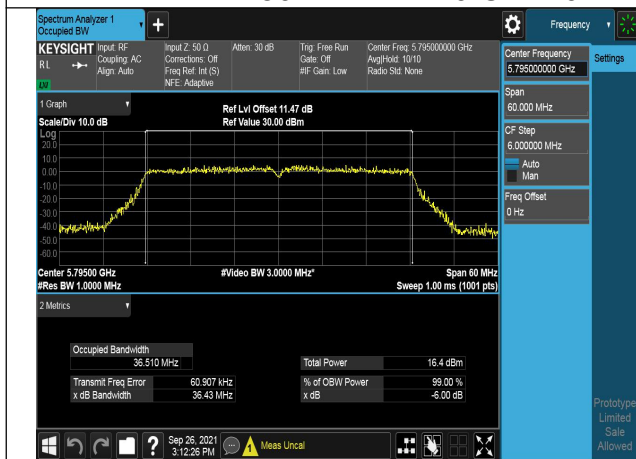
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



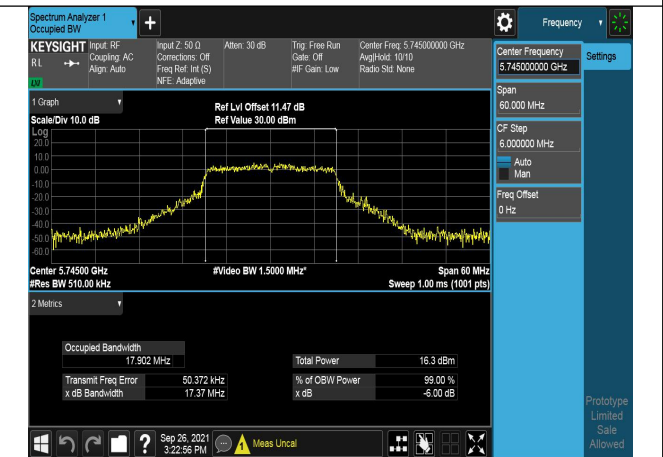
Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5720	Chain0	17.873
5745	Chain0	17.902
5785	Chain0	17.953
5825	Chain0	17.909

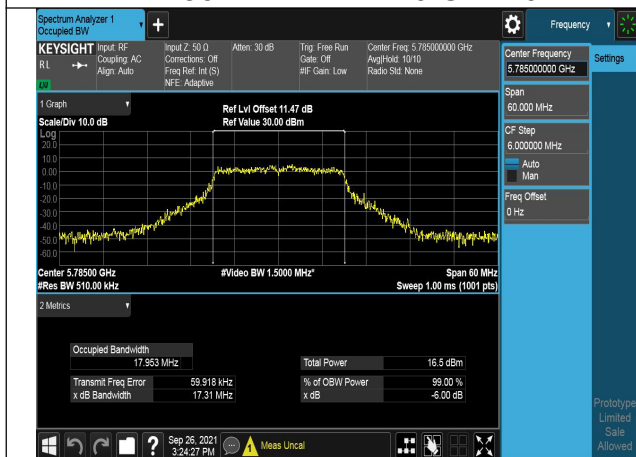
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0

