APPENDIX A – TEST DATA OF CONDUCTED EMISSION
Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5745	98.20%	0
802.11n HT20	5745	97.83%	0.10
802.11ac VHT20	5745	97.99%	0.09
802.11n HT40	5755	96.14%	0.17
802.11ac VHT40	5755	95.96%	0.18
802.11ac VHT80	5775	93.11%	0.31

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	5745	Chain0	18.51	17.11
802.11a	NA	5785	Chain0	18.06	16.66
802.11a	NA	5825	Chain0	18.15	16.75
802.11n HT20	NA	5745	Chain0	17.68	16.28
802.11n HT20	NA	5785	Chain0	17.47	16.07
802.11n HT20	NA	5825	Chain0	17.60	16.20
802.11ac VHT20	NA	5745	Chain0	17.63	16.23
802.11ac VHT20	NA	5785	Chain0	17.47	16.07
802.11ac VHT20	NA	5825	Chain0	17.60	16.20
802.11n HT40	NA	5755	Chain0	17.31	15.91
802.11n HT40	NA	5795	Chain0	17.73	16.33
802.11ac VHT40	NA	5755	Chain0	17.29	15.89
802.11ac VHT40	NA	5795	Chain0	17.74	16.34
802.11ac VHT80	NA	5775	Chain0	16.11	14.71

Emission Bandwidth

Offset 12.72dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.667	Channel No.675	Channel No.683
		5745MHz	5785MHz	5825MHz
802.11a	Chain0	28.33	27.87	28.85
802.11n HT20	Chain0	27.67	27.82	29.41
802.11ac VHT20	Chain0	27.99	29.69	28.90

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.669	---	Channel No.677
		5755MHz	---	5795MHz
802.11n HT40	Chain0	48.56	---	45.75
802.11ac VHT40	Chain0	44.16	---	47.77

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.673	---	---
		5775MHz	---	---
802.11ac VHT80	Chain0	81.94	---	---

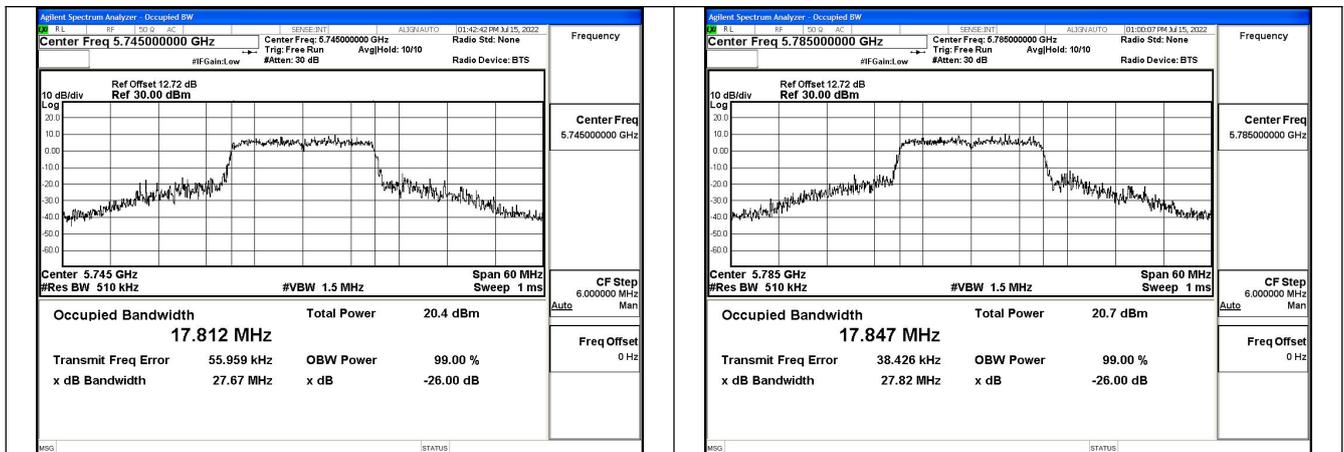### Test Mode: 802.11a

Test Mode:802.11a 5745MHz Chain0
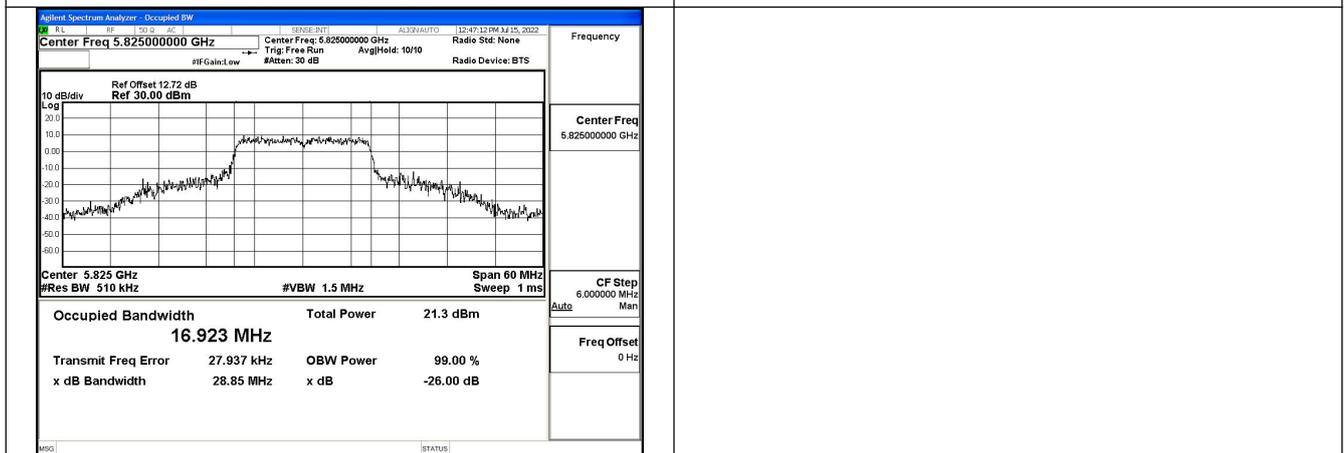
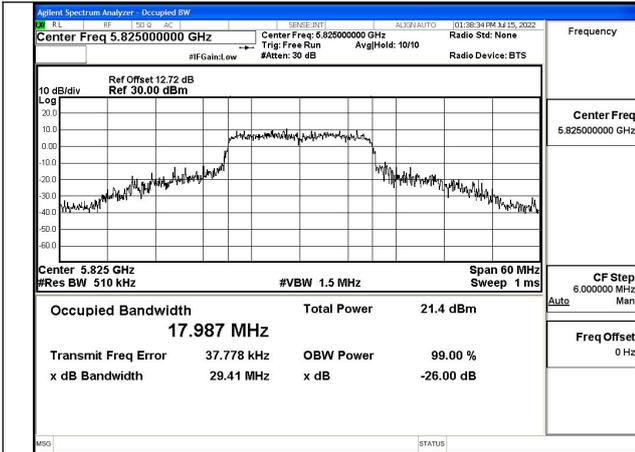Test Mode:802.11a 5785MHz Chain0

Test Mode:802.11a 5825MHz Chain0

Test Mode: 802.11n HT20
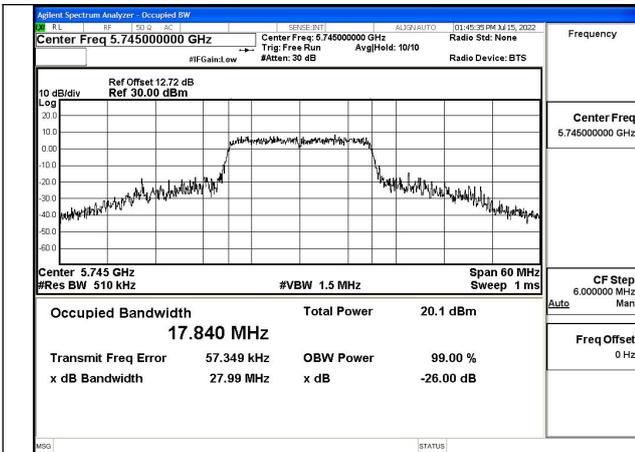

Test Mode:802.11n HT20 5745MHz Chain0
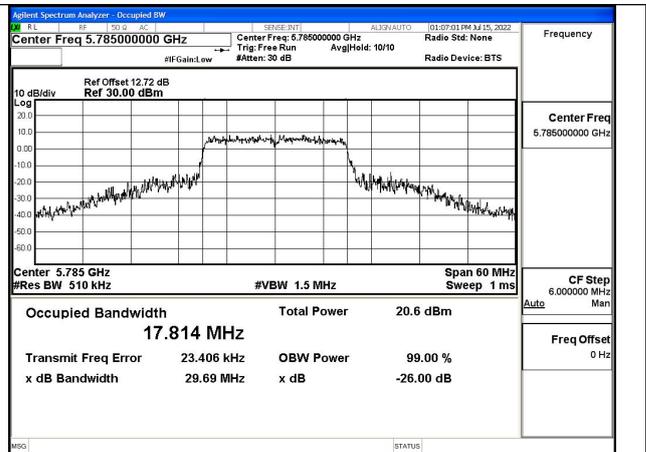

Test Mode:802.11n HT20 5785MHz Chain0

Test Mode:802.11n HT20 5825MHz Chain0

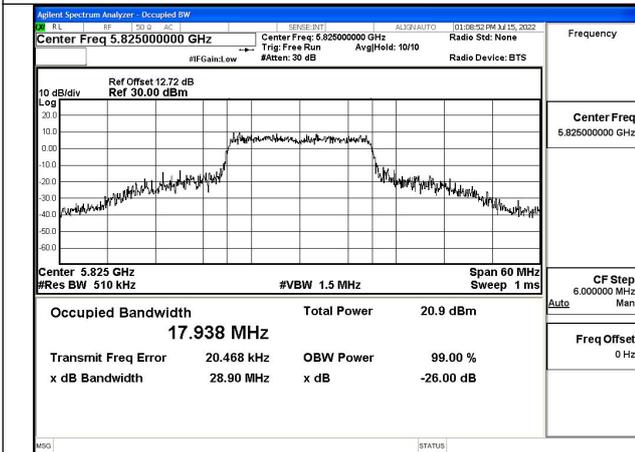## Test Mode: 802.11ac VHT20

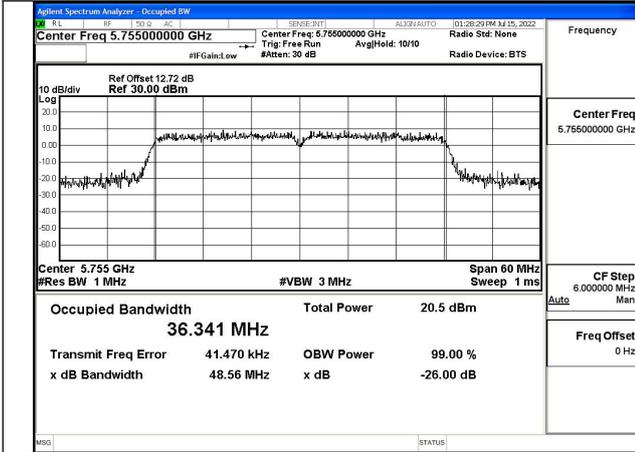Test Mode:802.11ac VHT20 5745MHz Chain0
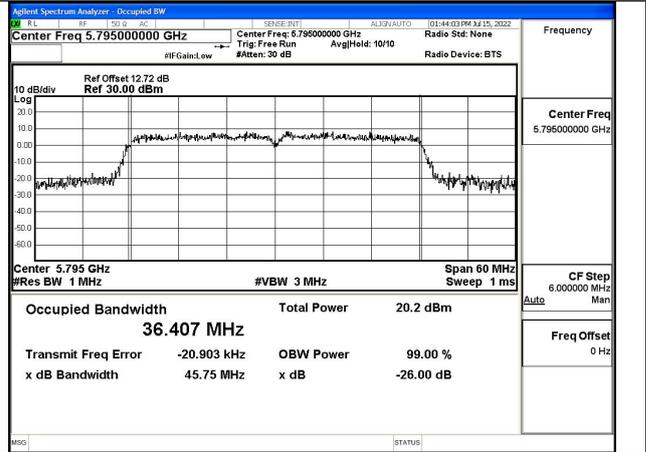

Test Mode:802.11ac VHT20 5785MHz Chain0

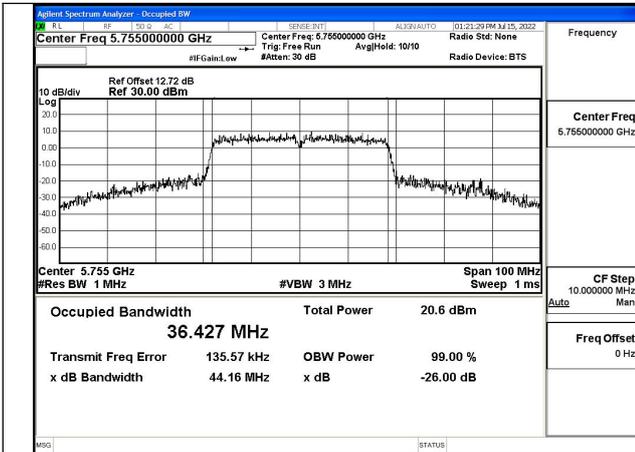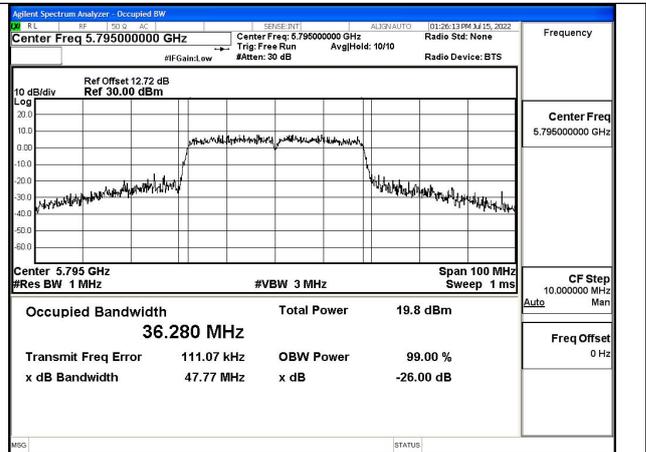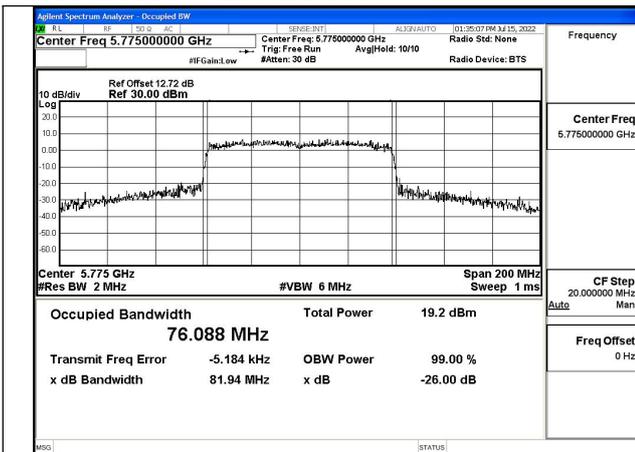Test Mode:802.11ac VHT20 5825MHz Chain0

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

Test Mode:802.11ac VHT80 5775MHz Chain0	

Occupied Bandwidth
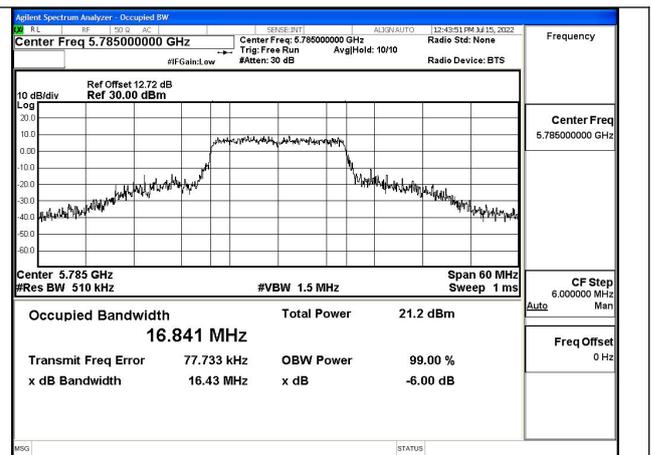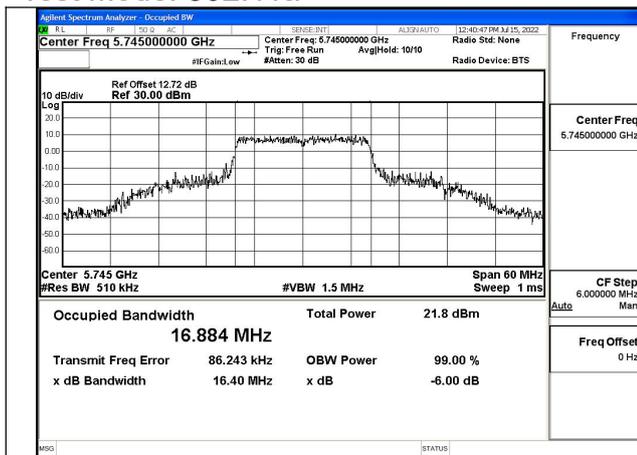
Offset 12.72dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		Channel No.667	Channel No.675	Channel No.683
		5745MHz	5785MHz	5825MHz
802.11a	Chain0	16.884	16.841	16.921
802.11n HT20	Chain0	17.880	17.883	17.917
802.11ac VHT20	Chain0	17.816	17.886	17.857

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		Channel No.669	---	Channel No.677
		5755MHz	---	5795MHz
802.11n HT40	Chain0	36.381	---	36.338
802.11ac VHT40	Chain0	36.410	---	36.398

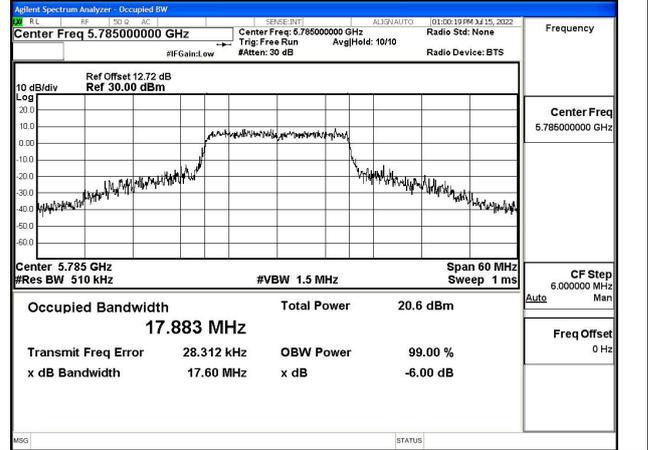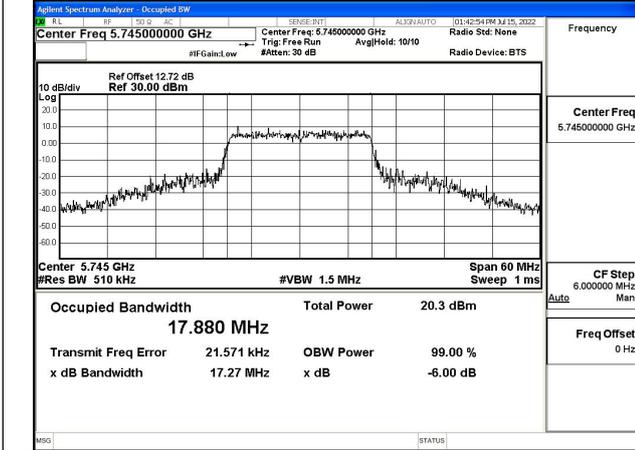| Test Mode	Antenna	Occupied Bandwidth (MHz)		
		Channel No.673	---	---
		5775MHz	---	---
802.11ac VHT80	Chain0	76.067	---	---

Test Mode: 802.11a

Test Mode:802.11a 5745MHz Chain0

Test Mode:802.11a 5785MHz Chain0
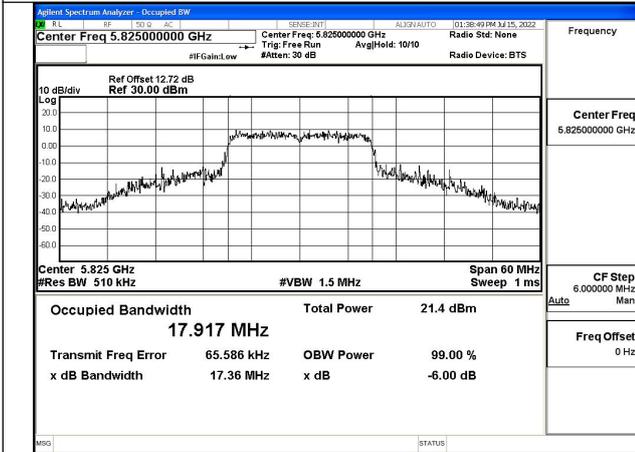

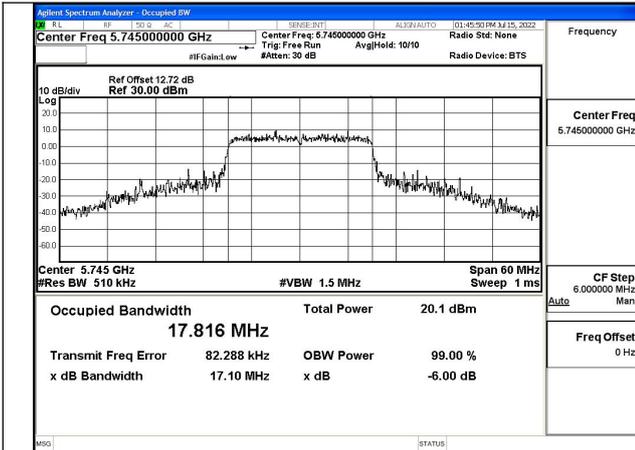Test Mode:802.11a 5825MHz Chain0

Test Mode: 802.11n HT20

Occupied Bandwidth		Total Power	20.3 dBm
	17.880 MHz		
Transmit Freq Error	21.571 kHz	OBW Power	99.00 %
x dB Bandwidth	17.27 MHz	x dB	-6.00 dB

Test Mode:802.11n HT20 5745MHz Chain0

Occupied Bandwidth		Total Power	20.6 dBm
	17.883 MHz		
Transmit Freq Error	28.312 kHz	OBW Power	99.00 %
x dB Bandwidth	17.60 MHz	x dB	-6.00 dB

Test Mode:802.11n HT20 5785MHz Chain0

Occupied Bandwidth		Total Power	21.4 dBm
	17.917 MHz		
Transmit Freq Error	65.586 kHz	OBW Power	99.00 %
x dB Bandwidth	17.36 MHz	x dB	-6.00 dB

Test Mode:802.11n HT20 5825MHz Chain0

Test Mode: 802.11ac VHT20

Occupied Bandwidth		Total Power	20.1 dBm
	17.816 MHz		
Transmit Freq Error	82.288 kHz	OBW Power	99.00 %
x dB Bandwidth	17.10 MHz	x dB	-6.00 dB

Test Mode:802.11ac VHT20 5745MHz Chain0

Occupied Bandwidth		Total Power	20.6 dBm
	17.886 MHz		
Transmit Freq Error	66.636 kHz	OBW Power	99.00 %
x dB Bandwidth	17.41 MHz	x dB	-6.00 dB

Test Mode:802.11ac VHT20 5785MHz Chain0

Test Mode:802.11ac VHT20 5825MHz Chain0

Test Mode: 802.11n HT40

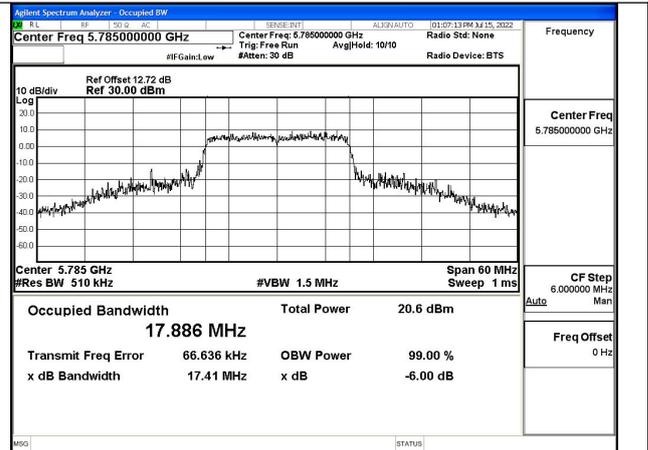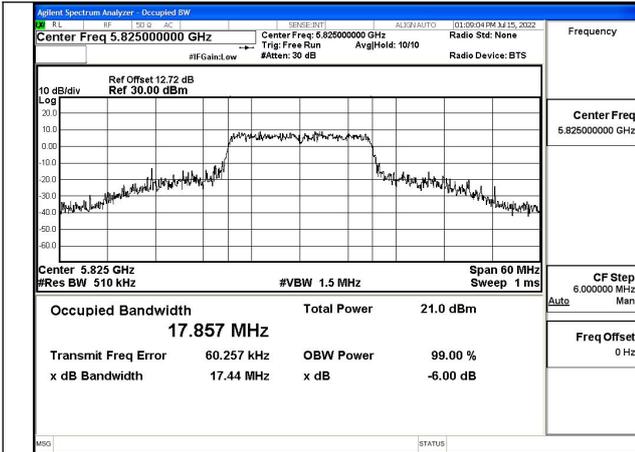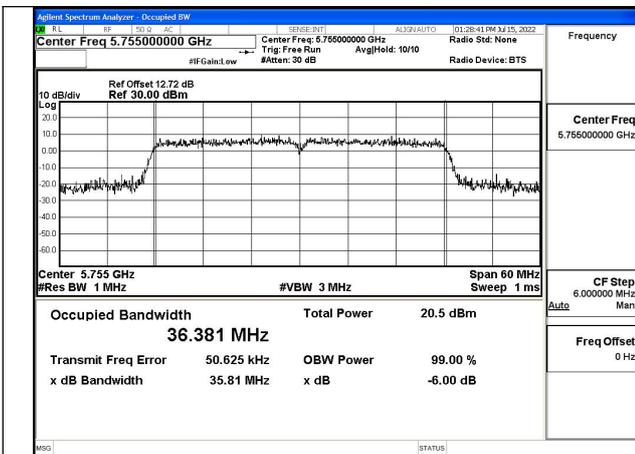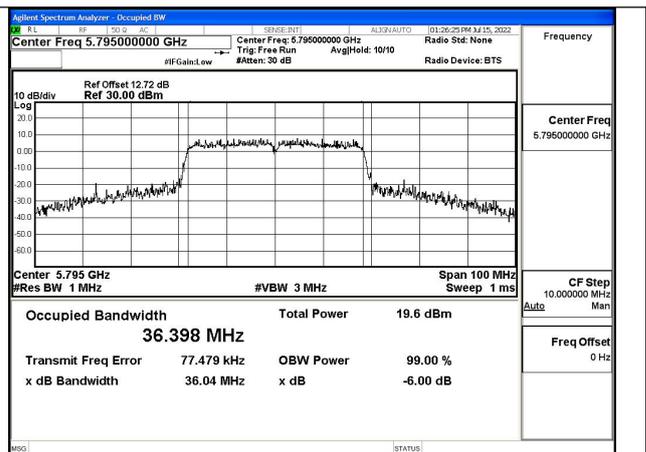Test Mode:802.11n HT40 5755MHz Chain0

Test Mode:802.11n HT40 5795MHz Chain0
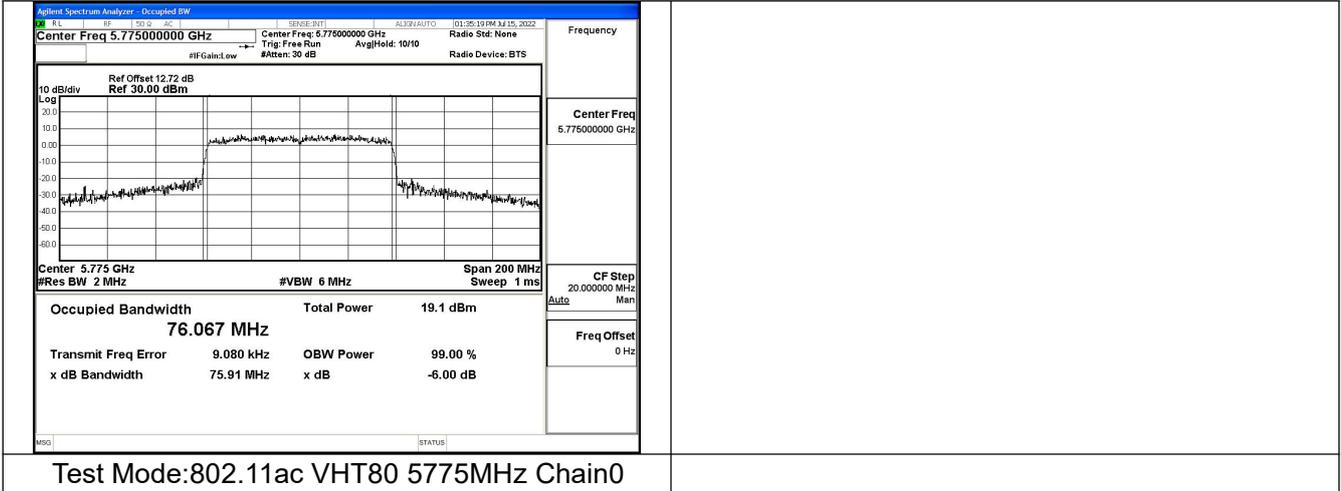
Test Mode: 802.11ac VHT40

Test Mode:802.11ac VHT40 5755MHz Chain0

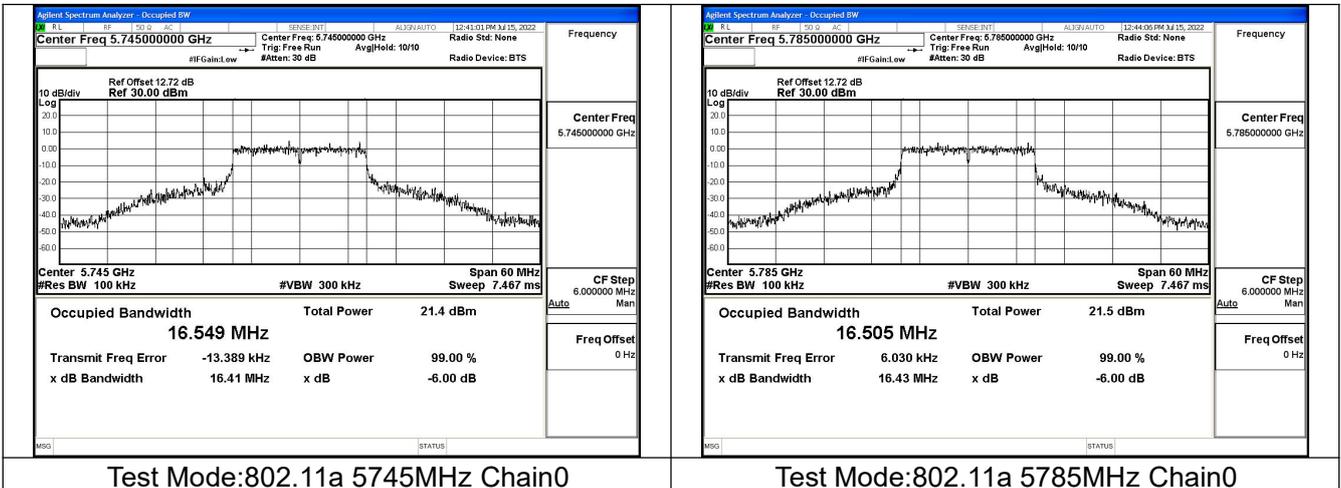Test Mode:802.11ac VHT40 5795MHz Chain0

Test Mode: 802.11ac VHT80

Test Mode:802.11ac VHT80 5775MHz Chain0

6dB Bandwidth

Offset 12.72dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	6dB Bandwidth (MHz)		
		Channel No.667	Channel No.675	Channel No.683
		5745MHz	5785MHz	5825MHz
802.11a	Chain0	16.41	16.43	16.30
802.11n HT20	Chain0	17.42	17.46	17.42
802.11ac VHT20	Chain0	17.68	17.11	17.67

Test Mode	Antenna	6dB Bandwidth (MHz)		
		Channel No.669	---	Channel No.677
		5755MHz	---	5795MHz
802.11n HT40	Chain0	35.30	---	36.21
802.11ac VHT40	Chain0	36.21	---	35.77

Test Mode	Antenna	6dB Bandwidth (MHz)		
		Channel No.673	---	---
		5775MHz	---	---
802.11ac VHT80	Chain0	75.98	---	---

Test Mode: 802.11a
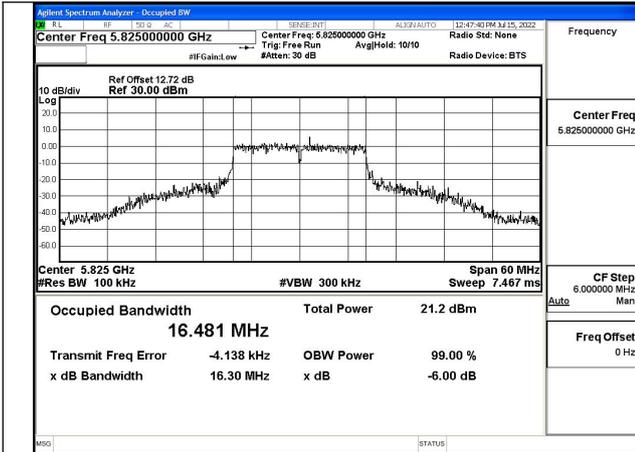
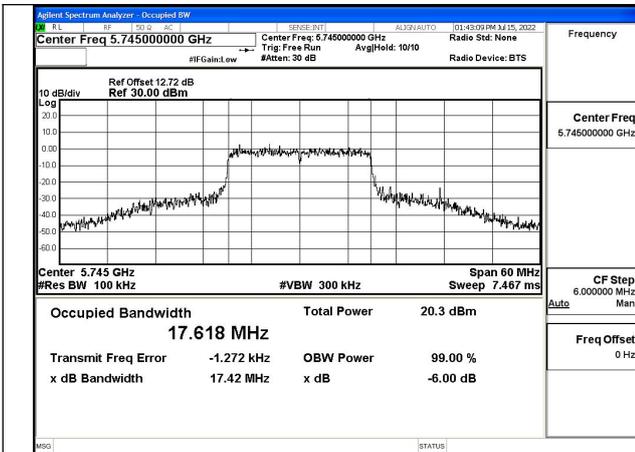Test Mode:802.11a 5745MHz Chain0

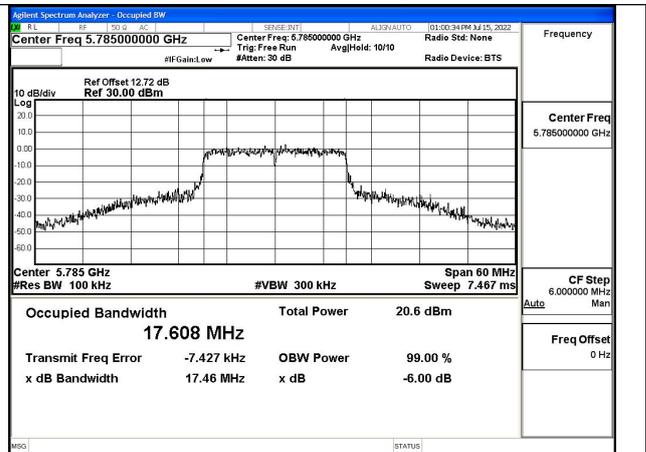Test Mode:802.11a 5785MHz Chain0

Test Mode:802.11a 5825MHz Chain0

Test Mode: 802.11n HT20

Test Mode:802.11n HT20 5745MHz Chain0

Test Mode:802.11n HT20 5785MHz Chain0

Test Mode:802.11n HT20 5825MHz Chain0
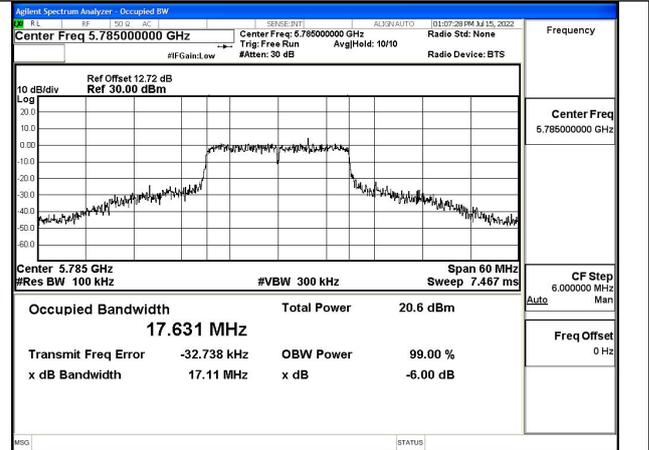
Test Mode: 802.11ac VHT20
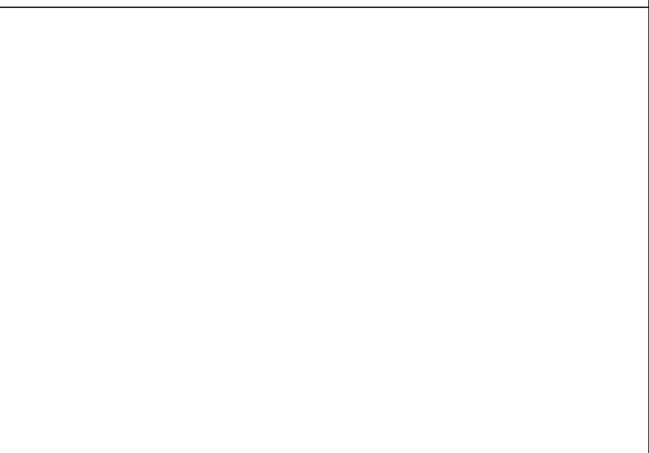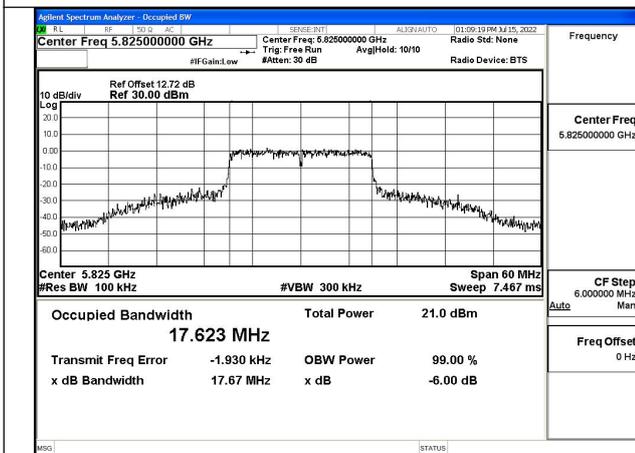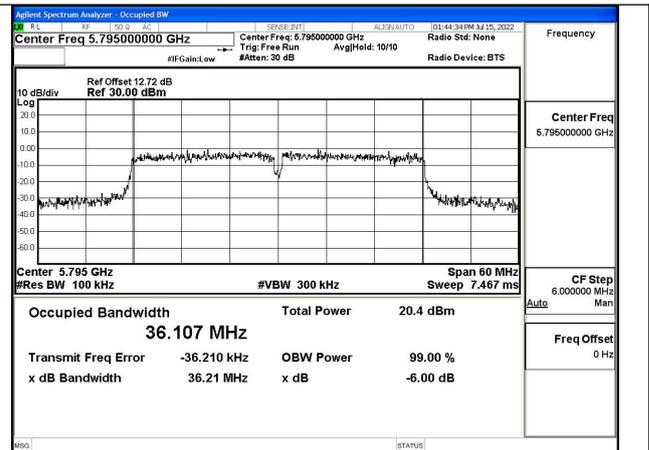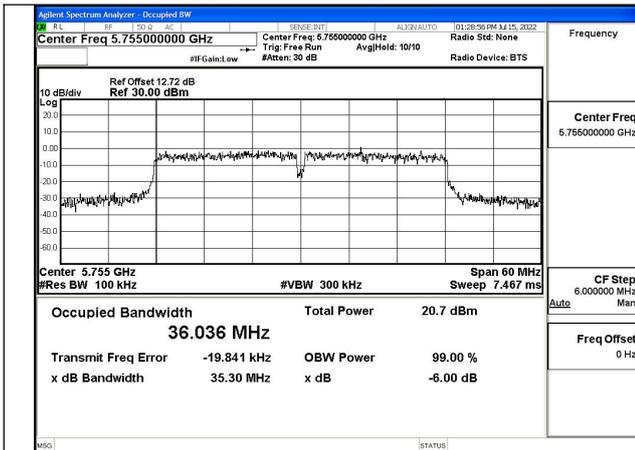

Test Mode:802.11ac VHT20 5745MHz Chain0

Test Mode:802.11ac VHT20 5785MHz Chain0
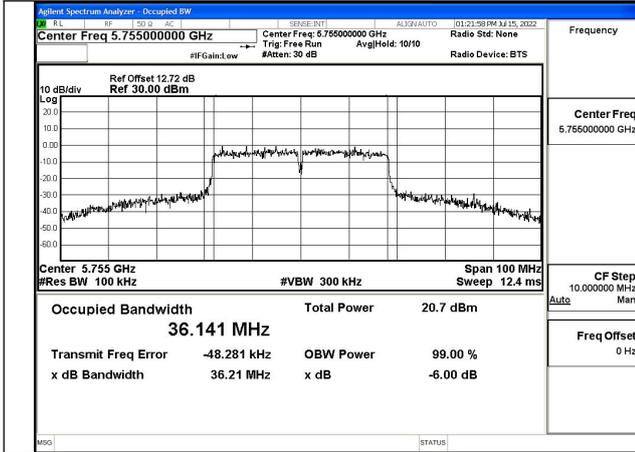

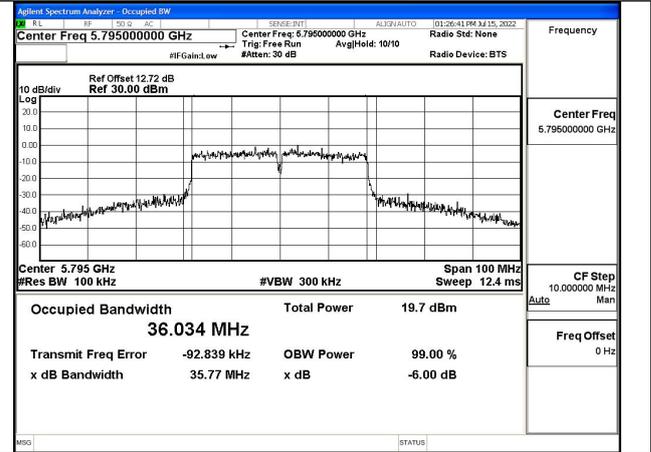Test Mode:802.11ac VHT20 5825MHz Chain0

Test Mode: 802.11n HT40

Test Mode:802.11n HT40 5755MHz Chain0

Test Mode:802.11n HT40 5795MHz Chain0
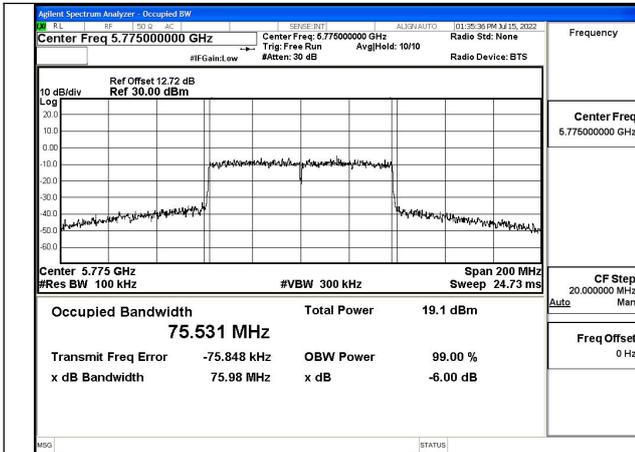
Test Mode: 802.11ac VHT40

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

Test Mode: 802.11ac VHT80

Test Mode:802.11ac VHT80 5775MHz Chain0	

Transmitter Power Spectral Density

Offset 12.72dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	Tones	5745MHz		5785MHz		5825MHz	
			Correction Factor(dB)	Power Density (dBm/500KHz)	Correction Factor(dB)	Power Density (dBm/500KHz)	Correction Factor(dB)	Power Density (dBm/500KHz)
802.11a	Chain0	NA	0	5.248	0	5.113	0	4.835
802.11n HT20	Chain0	NA	0.10	3.701	0.10	3.590	0.10	3.888
802.11ac VHT20	Chain0	NA	0.09	3.747	0.09	3.608	0.09	3.932

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