

## APPENDIX A – TEST DATA OF CONDUCTED EMISSION

### Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5745	99.66%	0	Fig.1
802.11a	5745	99.72%	0	Fig.2
802.11n HT20	5745	99.87%	0	Fig.3
802.11n HT20	5745	99.91%	0	Fig.4
802.11ac VHT20	5745	99.57%	0	Fig.5
802.11ac VHT20	5745	99.57%	0	Fig.6
802.11n HT40	5755	99.88%	0	Fig.7
802.11n HT40	5755	99.90%	0	Fig.8
802.11ac VHT40	5755	99.88%	0	Fig.9
802.11ac VHT40	5755	99.90%	0	Fig.10
802.11ac VHT80	5775	99.74%	0	Fig.11
802.11ac VHT80	5775	99.74%	0	Fig.12

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

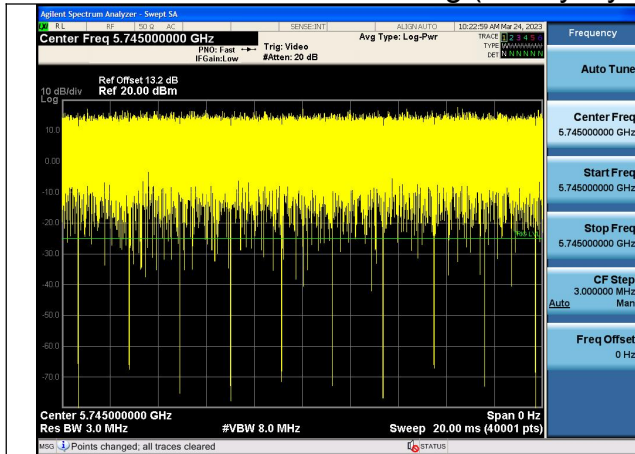


Fig.1

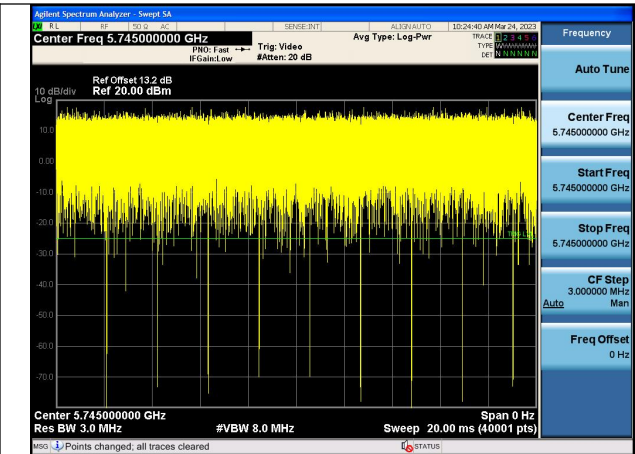


Fig.2

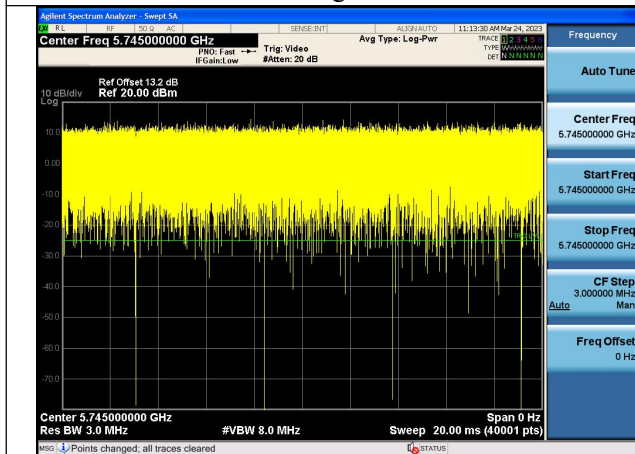


Fig.3

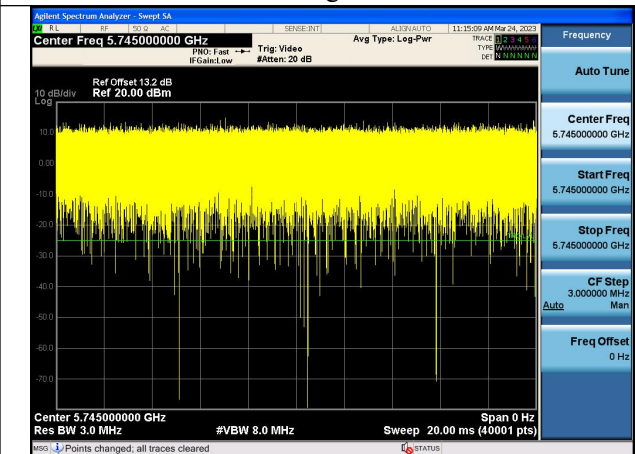


Fig.4

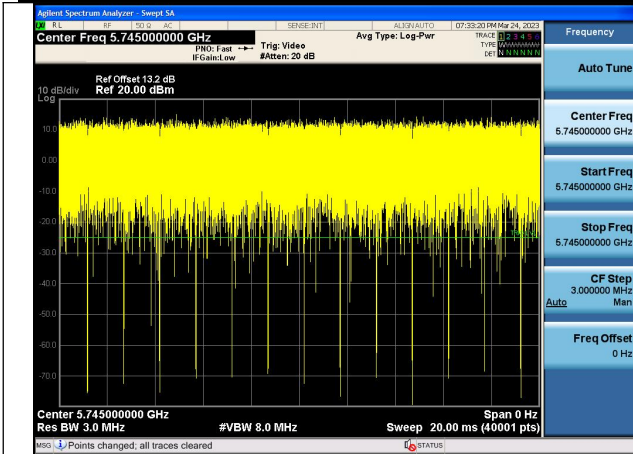


Fig.5

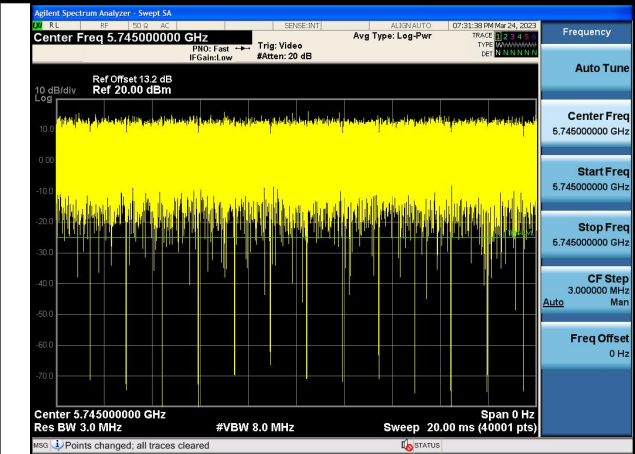


Fig.6

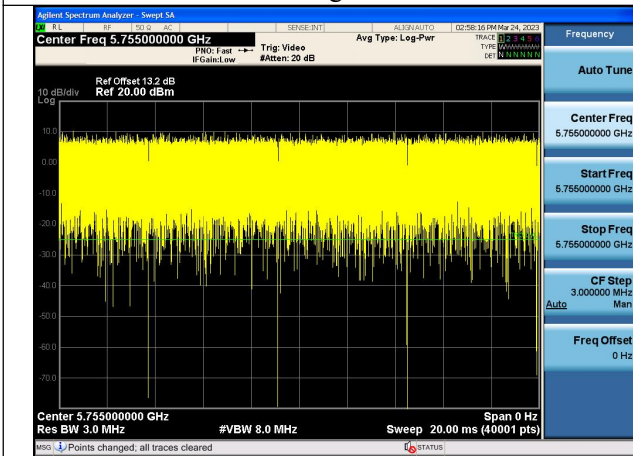


Fig.7

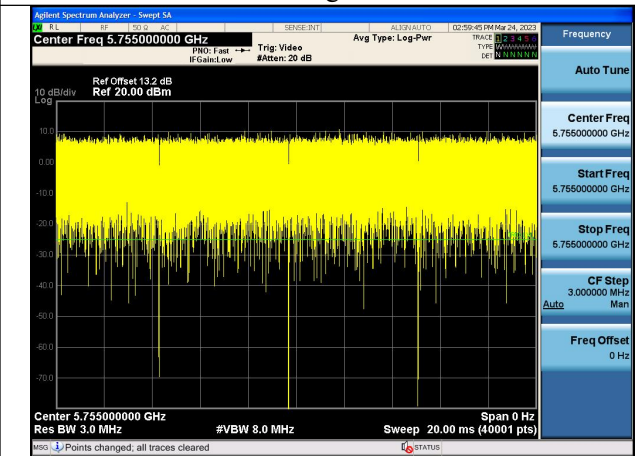


Fig.8

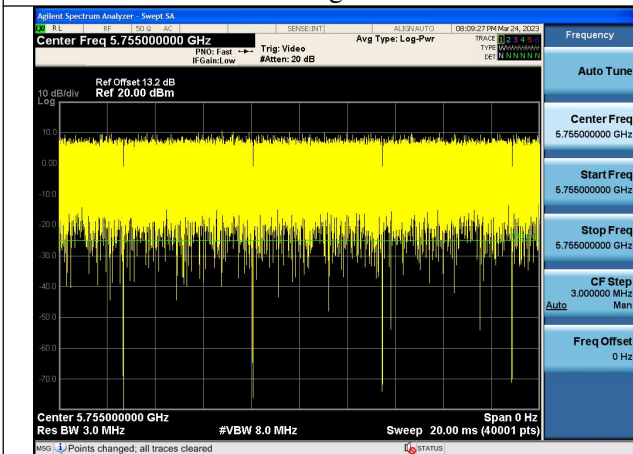


Fig.9

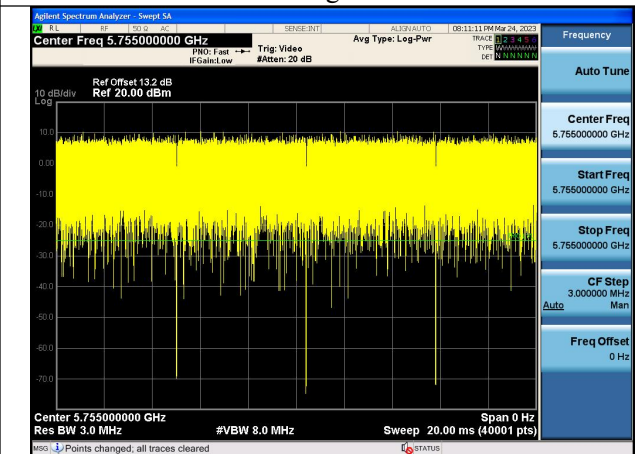


Fig.10

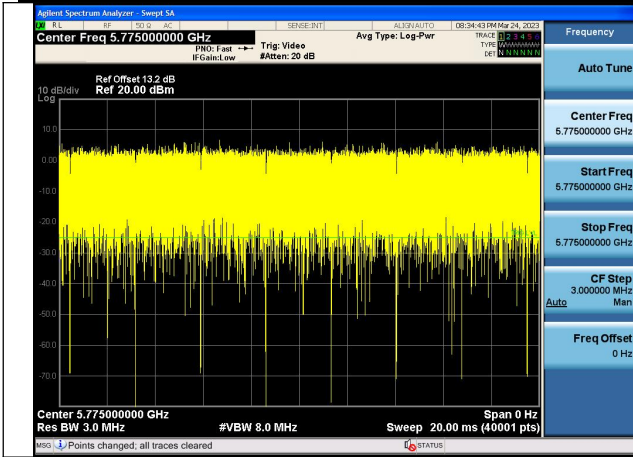


Fig.11

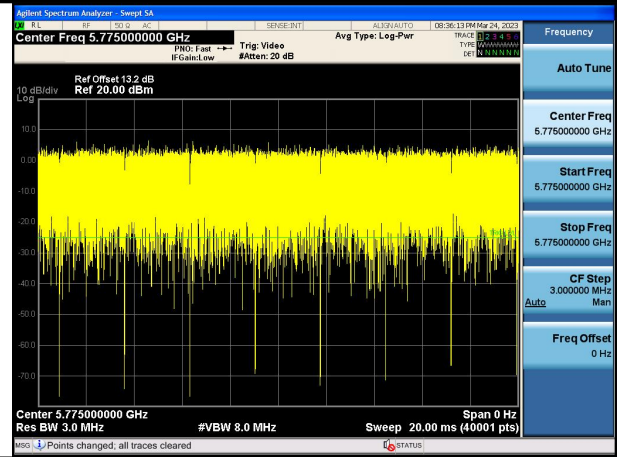


Fig.12

## Output Power

Mode	Tones/ RUIndex	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5745	Chain0	14.88	16.98
802.11a	NA	5745	Chain1	14.93	17.07
802.11a	NA	5785	Chain0	14.77	16.87
802.11a	NA	5785	Chain1	14.79	16.93
802.11a	NA	5825	Chain0	14.96	17.06
802.11a	NA	5825	Chain1	14.88	17.02
802.11n HT20	NA	5745	Chain0	11.91	14.01
802.11n HT20	NA	5745	Chain1	11.91	14.05
802.11n HT20	NA	5745	MIMO	14.92	17.04
802.11n HT20	NA	5785	Chain0	11.66	13.76
802.11n HT20	NA	5785	Chain1	11.73	13.87
802.11n HT20	NA	5785	MIMO	14.71	16.83
802.11n HT20	NA	5825	Chain0	11.85	13.95
802.11n HT20	NA	5825	Chain1	11.74	13.88
802.11n HT20	NA	5825	MIMO	14.81	16.93
802.11ac VHT20	NA	5745	Chain0	11.80	13.90
802.11ac VHT20	NA	5745	Chain1	11.70	13.84
802.11ac VHT20	NA	5745	MIMO	14.76	16.88
802.11ac VHT20	NA	5785	Chain0	11.69	13.79
802.11ac VHT20	NA	5785	Chain1	11.66	13.80
802.11ac VHT20	NA	5785	MIMO	14.69	16.81
802.11ac VHT20	NA	5825	Chain0	11.83	13.93
802.11ac VHT20	NA	5825	Chain1	11.79	13.93
802.11ac VHT20	NA	5825	MIMO	14.82	16.94
802.11n HT40	NA	5755	Chain0	11.51	13.61
802.11n HT40	NA	5755	Chain1	11.56	13.70
802.11n HT40	NA	5755	MIMO	14.55	16.67
802.11n HT40	NA	5795	Chain0	11.32	13.42
802.11n HT40	NA	5795	Chain1	11.38	13.52
802.11n HT40	NA	5795	MIMO	14.36	16.48
802.11ac VHT40	NA	5755	Chain0	11.60	13.70
802.11ac VHT40	NA	5755	Chain1	11.58	13.72
802.11ac VHT40	NA	5755	MIMO	14.60	16.72
802.11ac VHT40	NA	5795	Chain0	11.57	13.67
802.11ac VHT40	NA	5795	Chain1	11.48	13.62
802.11ac VHT40	NA	5795	MIMO	14.54	16.66
802.11ac VHT80	NA	5775	Chain0	10.19	12.29
802.11ac VHT80	NA	5775	Chain1	10.18	12.32
802.11ac VHT80	NA	5775	MIMO	13.20	15.32

## Emission Bandwidth

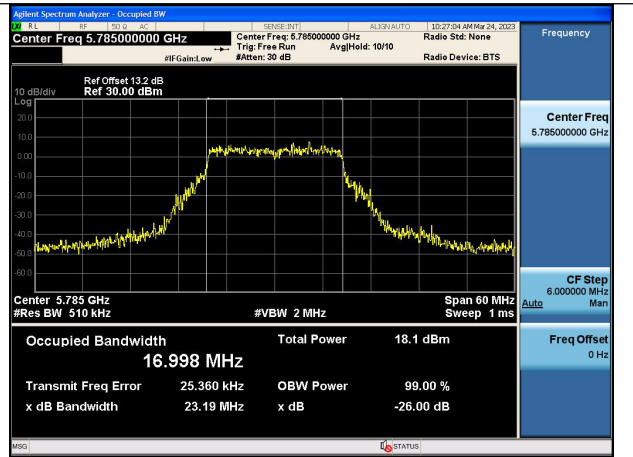
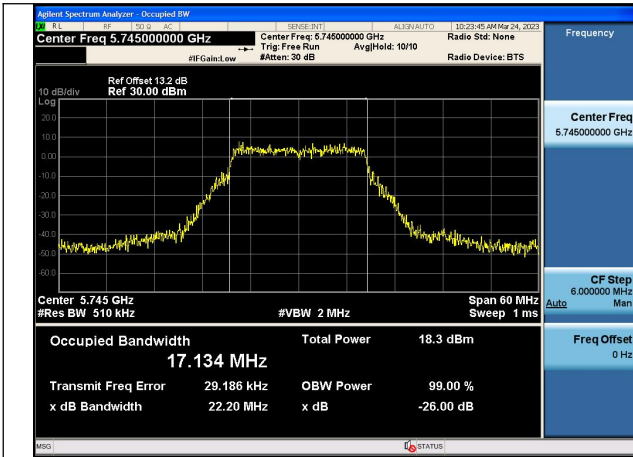
Offset 13.2dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.667	Channel No.675	Channel No.683
		5745MHz	5785MHz	5825MHz
802.11a	Chain0	22.20	23.19	22.27
802.11a	Chain1	22.66	22.61	22.55
802.11n HT20	Chain0	23.60	23.29	23.09
802.11n HT20	Chain1	23.08	22.59	23.47
802.11ac VHT20	Chain0	21.91	20.92	22.12
802.11ac VHT20	Chain1	21.64	21.76	21.23

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.669	---	Channel No.677
		5755MHz	---	5795MHz
802.11n HT40	Chain0	45.39	---	44.36
802.11n HT40	Chain1	44.59	---	43.23
802.11ac VHT40	Chain0	42.88	---	43.92
802.11ac VHT40	Chain1	43.24	---	44.21

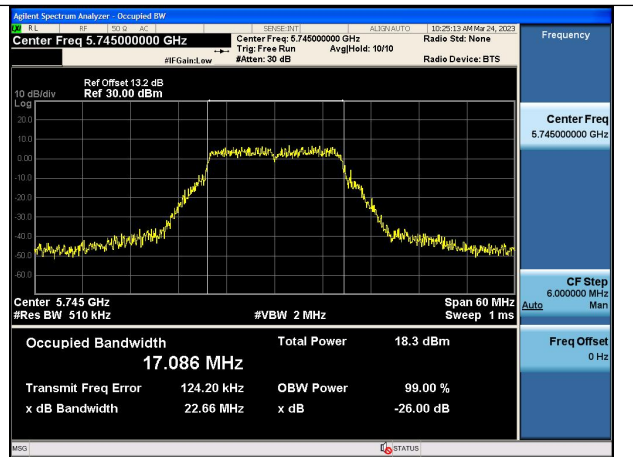
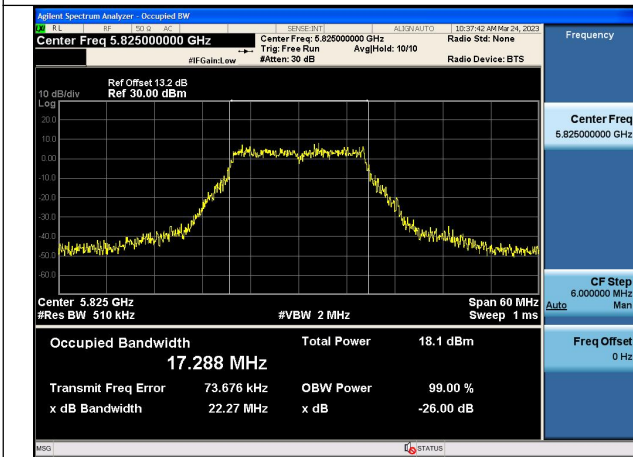
Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.673	---	---
		5775MHz	---	---
802.11ac VHT80	Chain0	89.01	---	---
802.11ac VHT80	Chain1	88.03	---	---

Test Mode: 802.11a



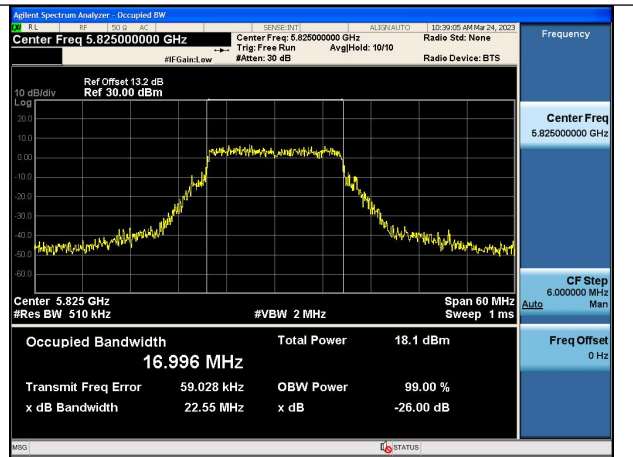
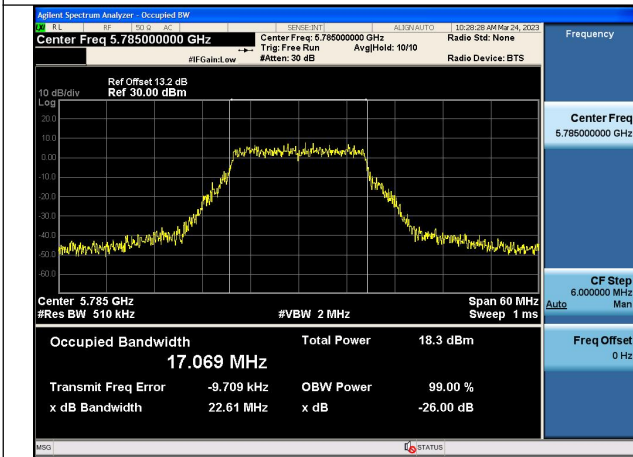
Test Mode:802.11a 5745MHz Chain0

Test Mode:802.11a 5785MHz Chain0



Test Mode:802.11a 5825MHz Chain0

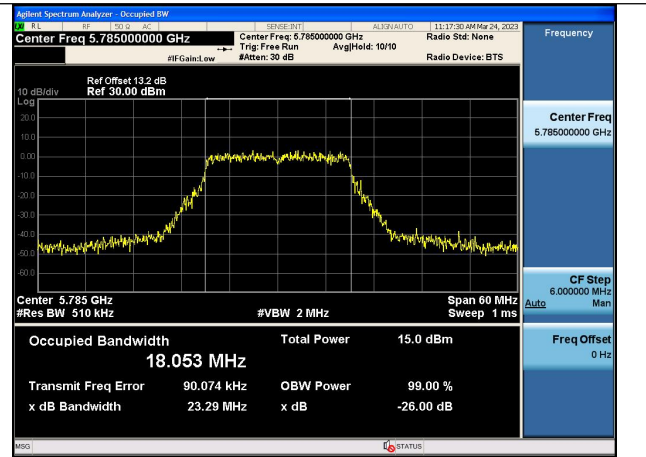
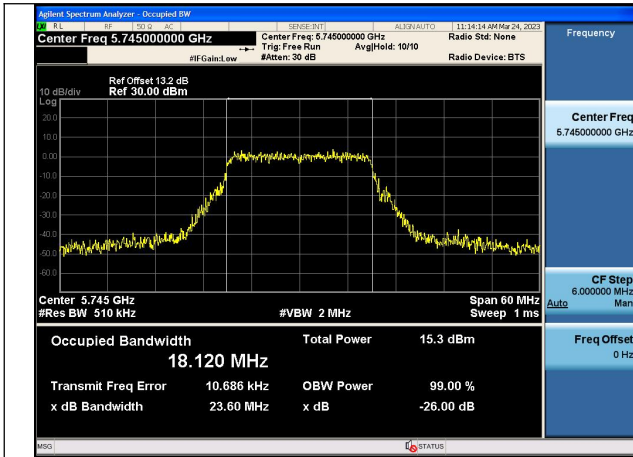
Test Mode:802.11a 5745MHz Chain1



Test Mode:802.11a 5785MHz Chain1

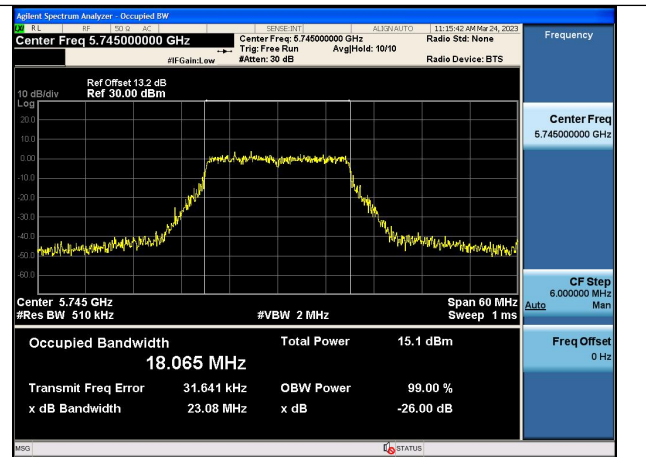
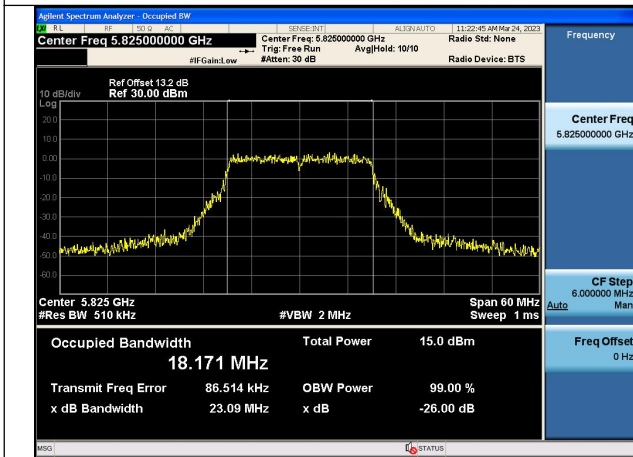
Test Mode:802.11a 5825MHz Chain1

Test Mode: 802.11n HT20



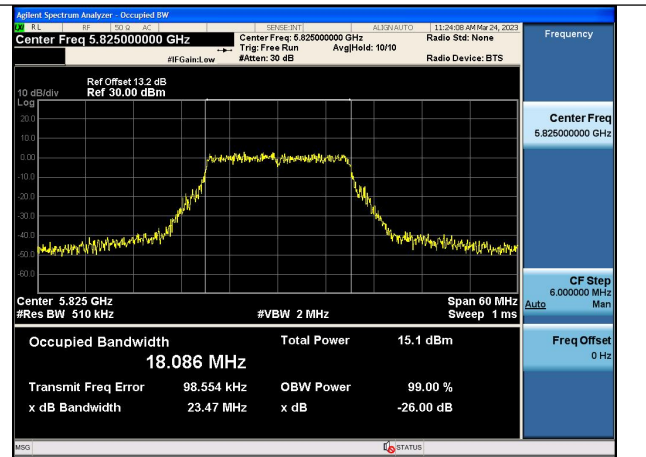
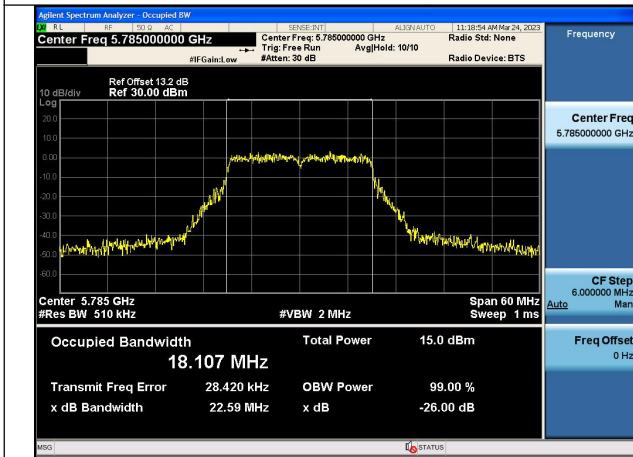
Test Mode:802.11n HT20 5745MHz Chain0

Test Mode:802.11n HT20 5785MHz Chain0



Test Mode:802.11n HT20 5825MHz Chain0

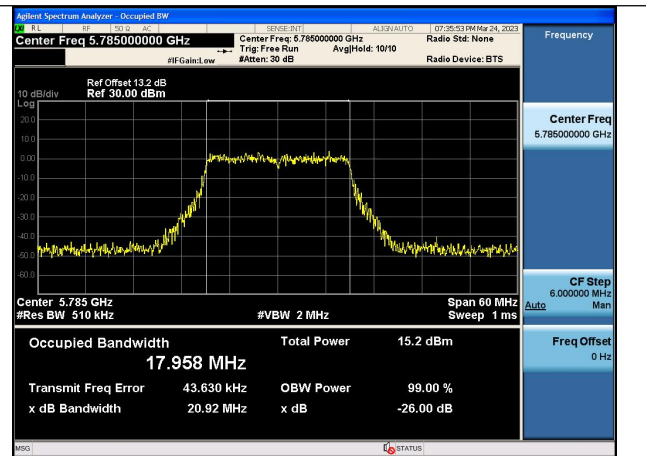
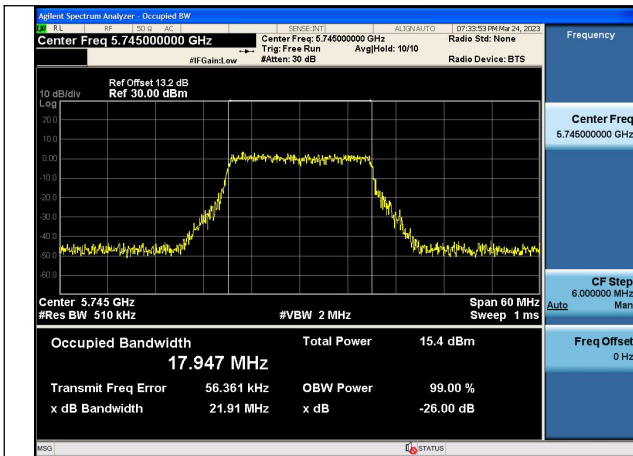
Test Mode:802.11n HT20 5745MHz Chain1



Test Mode:802.11n HT20 5785MHz Chain1

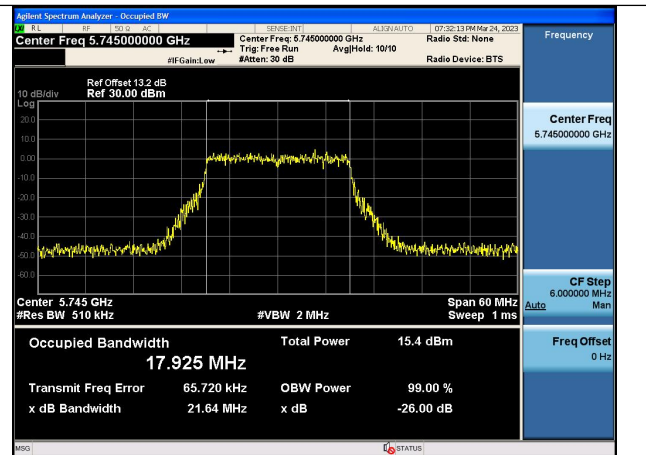
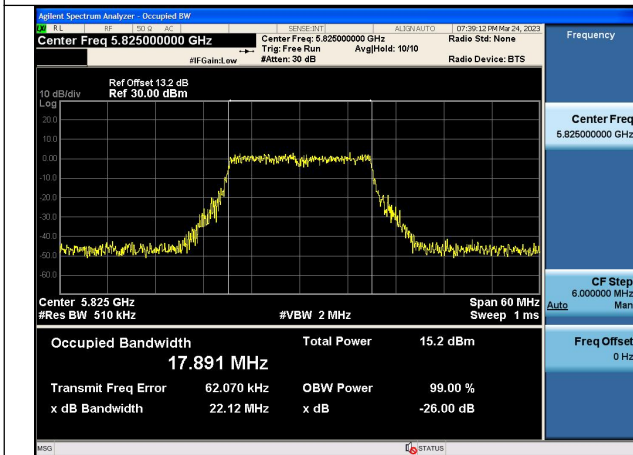
Test Mode:802.11n HT20 5825MHz Chain1

Test Mode: 802.11ac VHT20



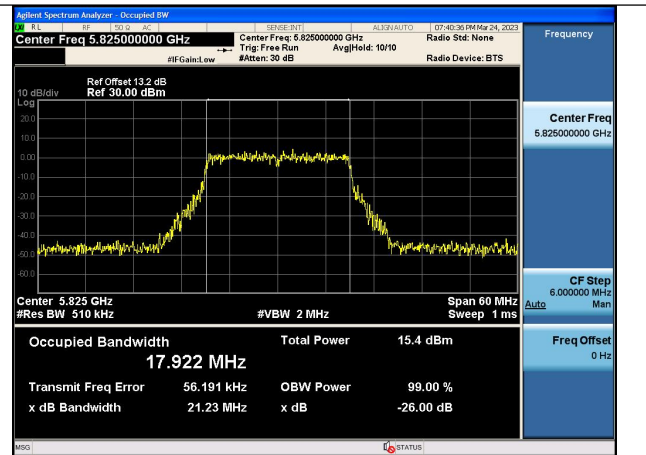
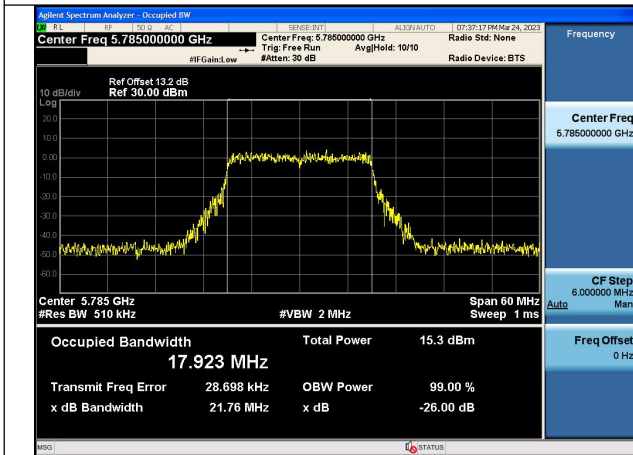
Test Mode:802.11ac VHT20 5745MHz Chain0

Test Mode:802.11ac VHT20 5785MHz Chain0



Test Mode:802.11ac VHT20 5825MHz Chain0

Test Mode:802.11ac VHT20 5745MHz Chain1

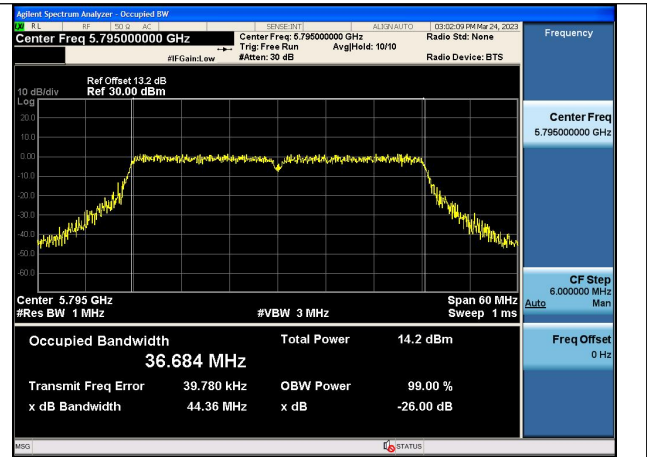
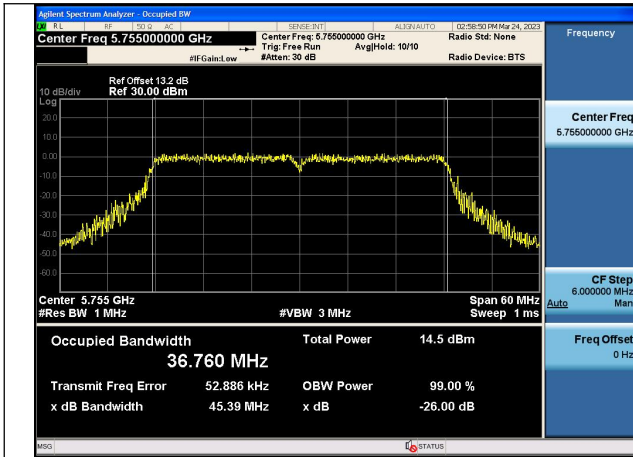


Test Mode:802.11ac VHT20 5785MHz Chain1

Test Mode:802.11ac VHT20 5825MHz Chain1

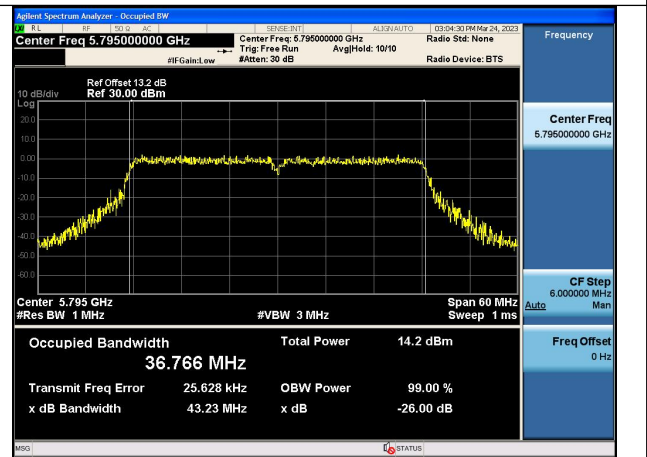
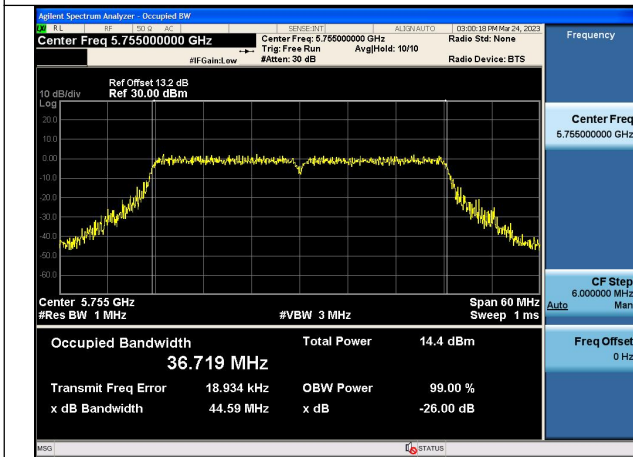


Test Mode: 802.11n HT40



Test Mode:802.11n HT40 5755MHz Chain0

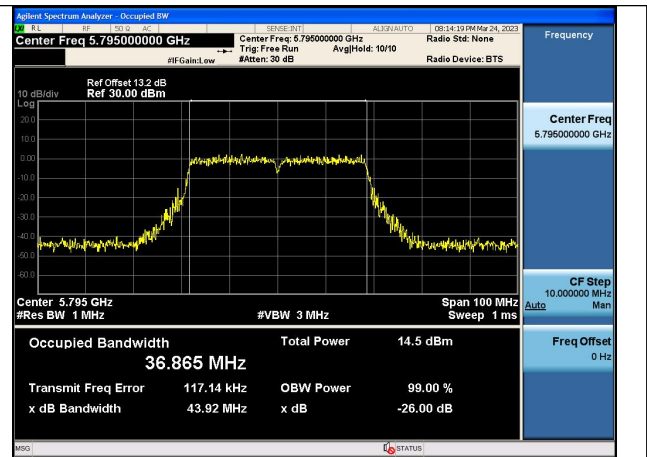
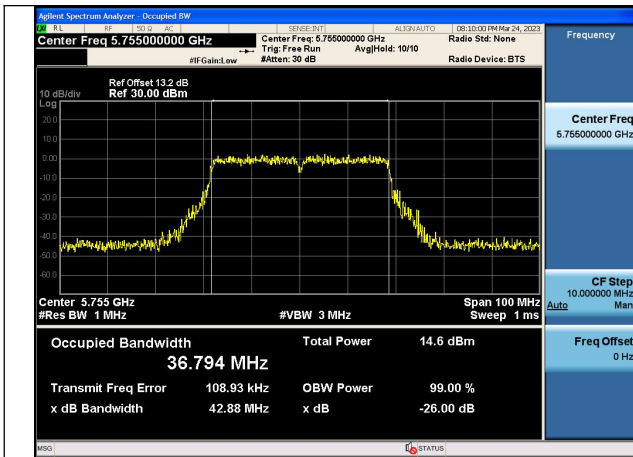
Test Mode:802.11n HT40 5795MHz Chain0



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