

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5745	99.36%	0	Fig.1
802.11a	5745	99.36%	0	Fig.2
802.11n HT20	5745	99.33%	0	Fig.3
802.11n HT20	5745	99.41%	0	Fig.4
802.11ac VHT20	5745	99.31%	0	Fig.5
802.11ac VHT20	5745	99.27%	0	Fig.6
802.11n HT40	5755	98.95%	0	Fig.7
802.11n HT40	5755	98.96%	0	Fig.8
802.11ac VHT40	5755	98.94%	0	Fig.9
802.11ac VHT40	5755	98.96%	0	Fig.10
802.11ac VHT80	5775	98.57%	0	Fig.11
802.11ac VHT80	5775	98.55%	0	Fig.12

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

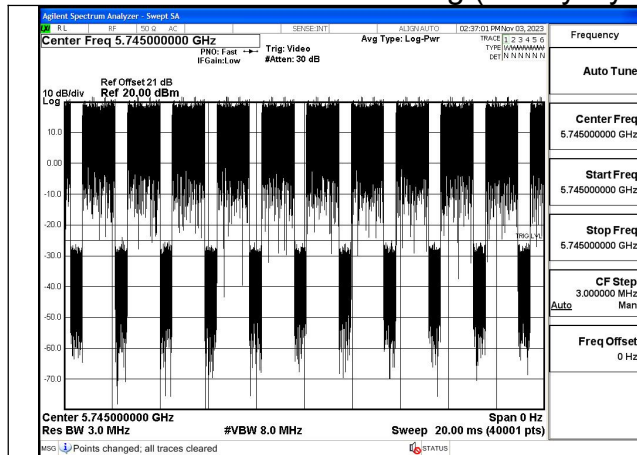


Fig.1

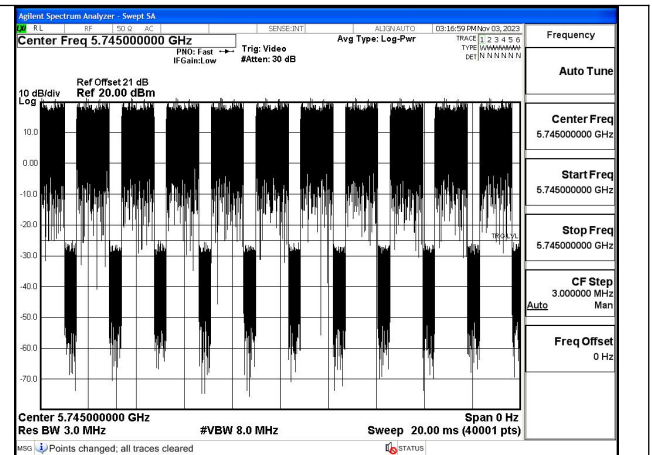


Fig.2

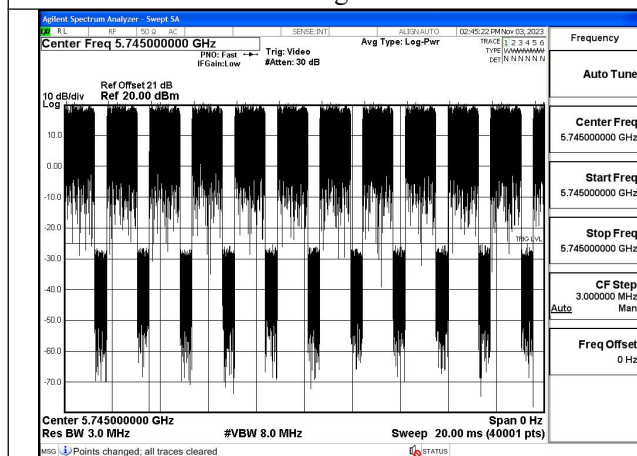


Fig.3

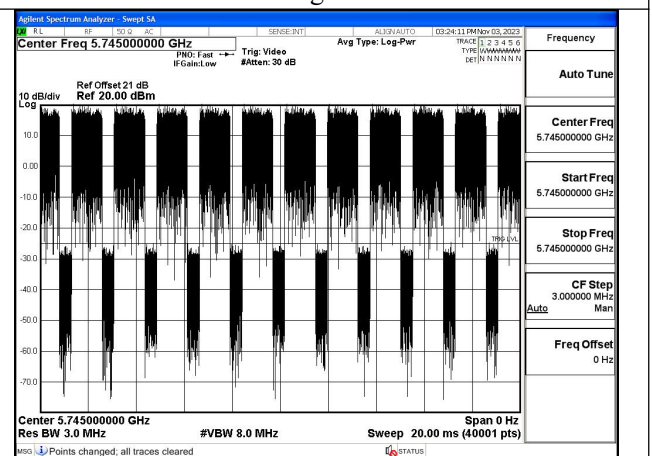


Fig.4

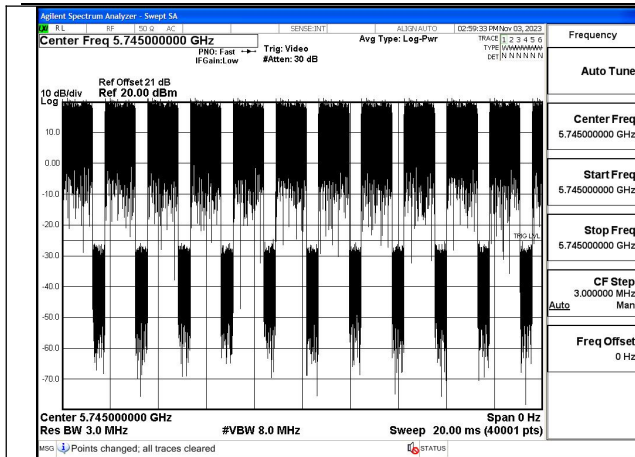


Fig.5

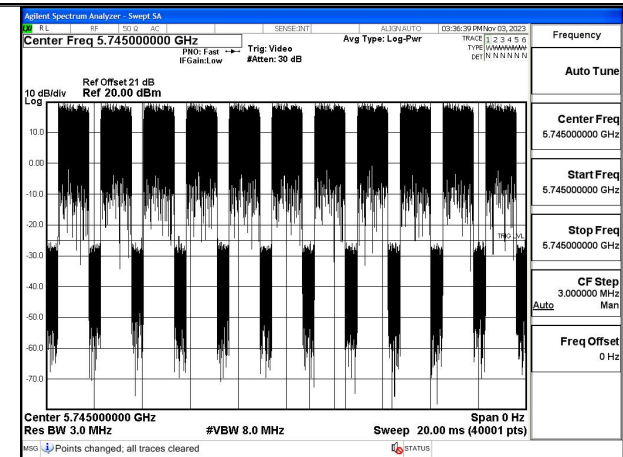


Fig.6

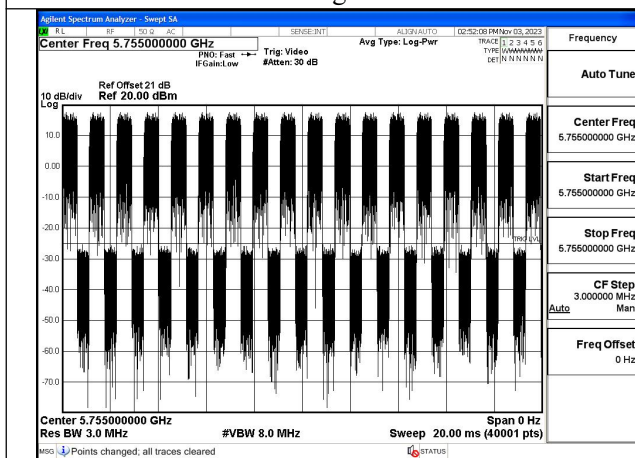


Fig.7

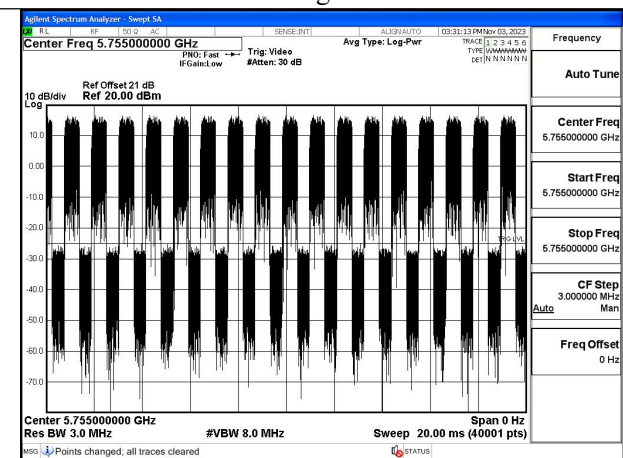


Fig.8

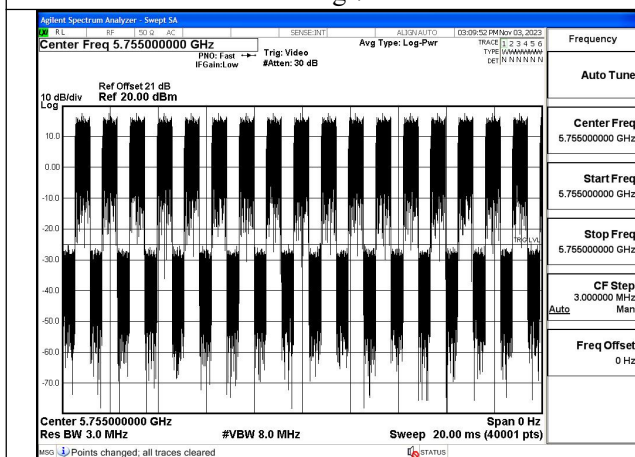


Fig.9

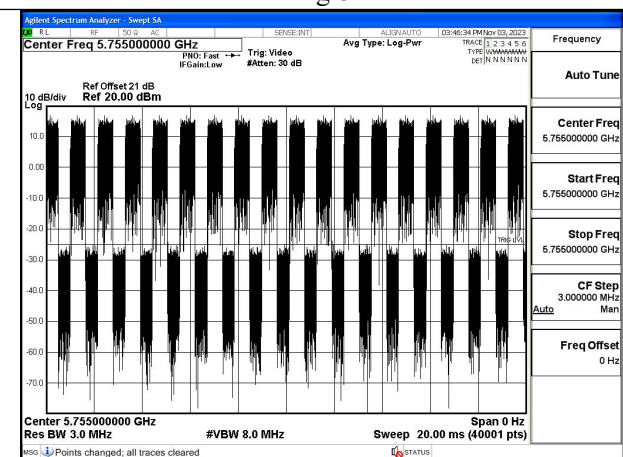


Fig.10

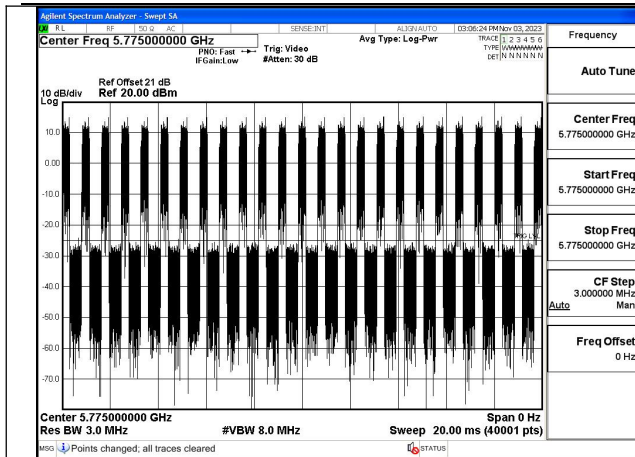


Fig.11

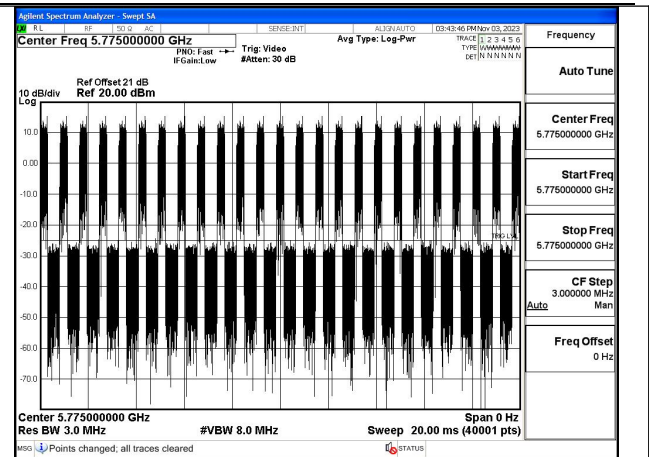


Fig.12

Output Power

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5745	Chain0	17.64	20.62
802.11a	NA	5745	Chain1	16.99	19.34
802.11a	NA	5785	Chain0	17.34	20.32
802.11a	NA	5785	Chain1	16.67	19.02
802.11a	NA	5825	Chain0	17.36	20.34
802.11a	NA	5825	Chain1	15.29	17.64
802.11n HT20	NA	5745	Chain0	17.69	20.67
802.11n HT20	NA	5745	Chain1	16.26	18.61
802.11n HT20	NA	5745	MIMO	20.04	22.72
802.11n HT20	NA	5785	Chain0	17.80	20.78
802.11n HT20	NA	5785	Chain1	16.86	19.21
802.11n HT20	NA	5785	MIMO	20.37	23.05
802.11n HT20	NA	5825	Chain0	16.99	19.97
802.11n HT20	NA	5825	Chain1	15.58	17.93
802.11n HT20	NA	5825	MIMO	19.35	22.03
802.11ac VHT20	NA	5745	Chain0	18.09	21.07
802.11ac VHT20	NA	5745	Chain1	16.72	19.07
802.11ac VHT20	NA	5745	MIMO	20.47	23.15
802.11ac VHT20	NA	5785	Chain0	17.10	20.08
802.11ac VHT20	NA	5785	Chain1	16.88	19.23
802.11ac VHT20	NA	5785	MIMO	20.00	22.68
802.11ac VHT20	NA	5825	Chain0	17.23	20.21
802.11ac VHT20	NA	5825	Chain1	15.62	17.97
802.11ac VHT20	NA	5825	MIMO	19.51	22.19
802.11n HT40	NA	5755	Chain0	16.83	19.81
802.11n HT40	NA	5755	Chain1	15.74	18.09
802.11n HT40	NA	5755	MIMO	19.33	22.01
802.11n HT40	NA	5795	Chain0	16.37	19.35
802.11n HT40	NA	5795	Chain1	15.69	18.04
802.11n HT40	NA	5795	MIMO	19.05	21.73
802.11ac VHT40	NA	5755	Chain0	16.47	19.45
802.11ac VHT40	NA	5755	Chain1	15.92	18.27
802.11ac VHT40	NA	5755	MIMO	19.21	21.89
802.11ac VHT40	NA	5795	Chain0	16.37	19.35
802.11ac VHT40	NA	5795	Chain1	15.70	18.05
802.11ac VHT40	NA	5795	MIMO	19.06	21.74
802.11ac VHT80	NA	5775	Chain0	15.16	18.14
802.11ac VHT80	NA	5775	Chain1	15.24	17.59
802.11ac VHT80	NA	5775	MIMO	18.21	20.89

Emission Bandwidth

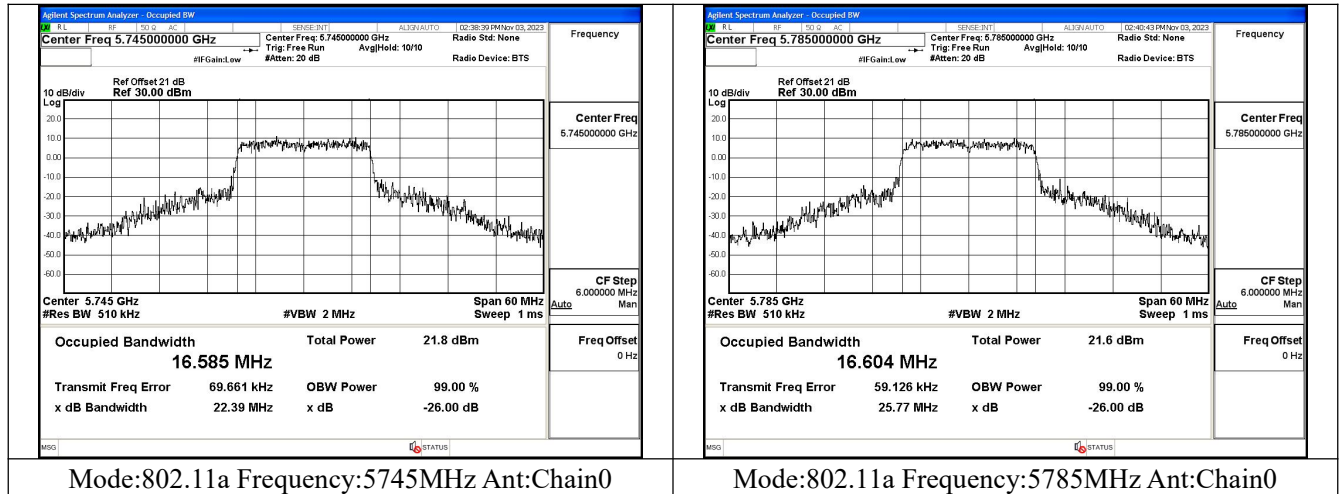
Offset 21dB = Attenuator + Temporary antenna connector loss + Cable loss

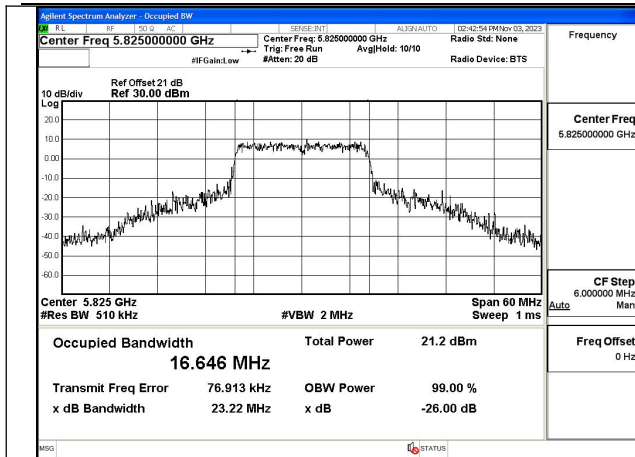
Test Mode	Antenna	26dB Bandwidth (MHz)		
		5745MHz	5785MHz	5825MHz
802.11a	Chain0	22.39	25.77	23.22
802.11a	Chain1	19.83	18.79	18.56
802.11n HT20	Chain0	29.57	29.77	25.16
802.11n HT20	Chain1	19.44	19.55	19.23
802.11ac VHT20	Chain0	19.56	26.36	27.11
802.11ac VHT20	Chain1	19.58	19.60	19.31

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5755MHz	---	5795MHz
802.11n HT40	Chain0	46.25	---	46.14
802.11n HT40	Chain1	41.73	---	40.29
802.11ac VHT40	Chain0	45.76	---	47.99
802.11ac VHT40	Chain1	39.78	---	40.59

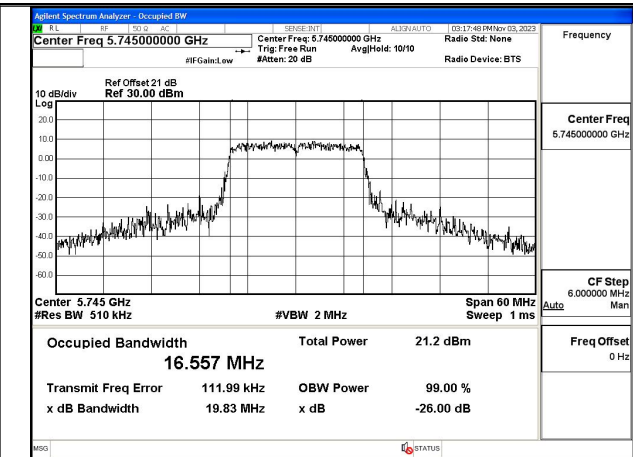
Test Mode	Antenna	26dB Bandwidth (MHz)		
		5775MHz	---	---
802.11ac VHT80	Chain0	82.80	---	---
802.11ac VHT80	Chain1	81.07	---	---

Test Mode: 802.11a

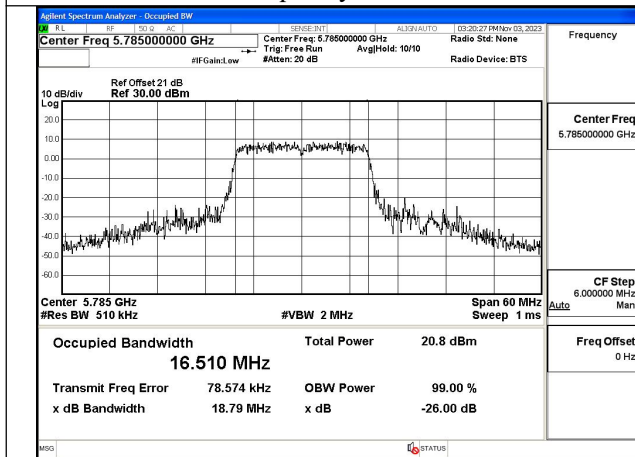




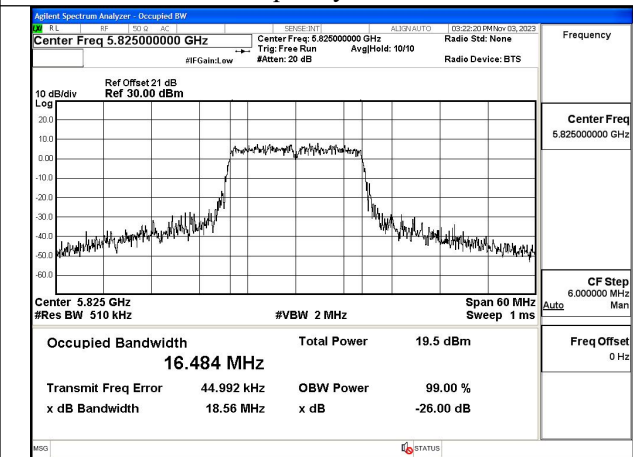
Mode:802.11a Frequency:5825MHz Ant:Chain0



Mode:802.11a Frequency:5745MHz Ant:Chain1

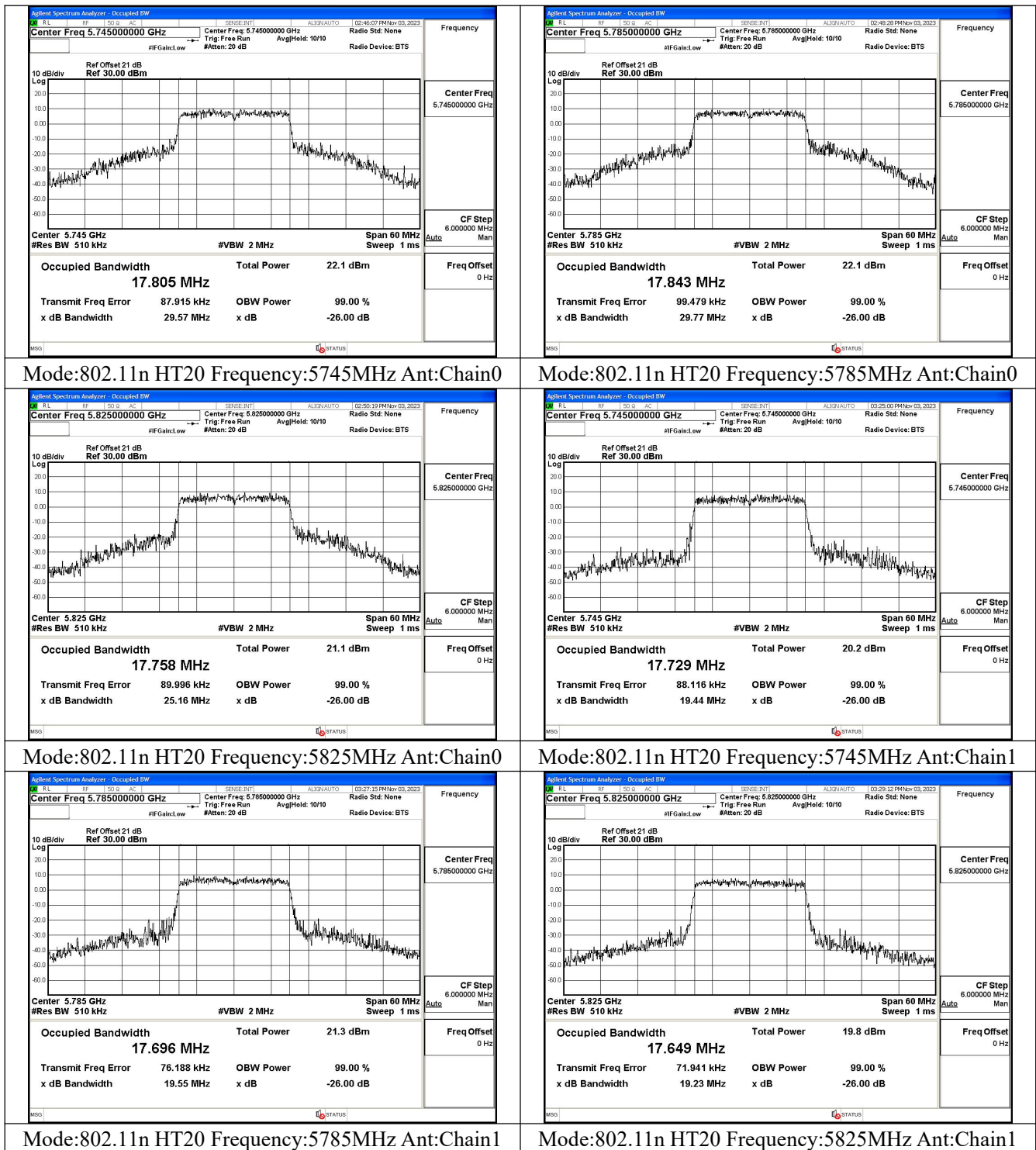


Mode:802.11a Frequency:5785MHz Ant:Chain1

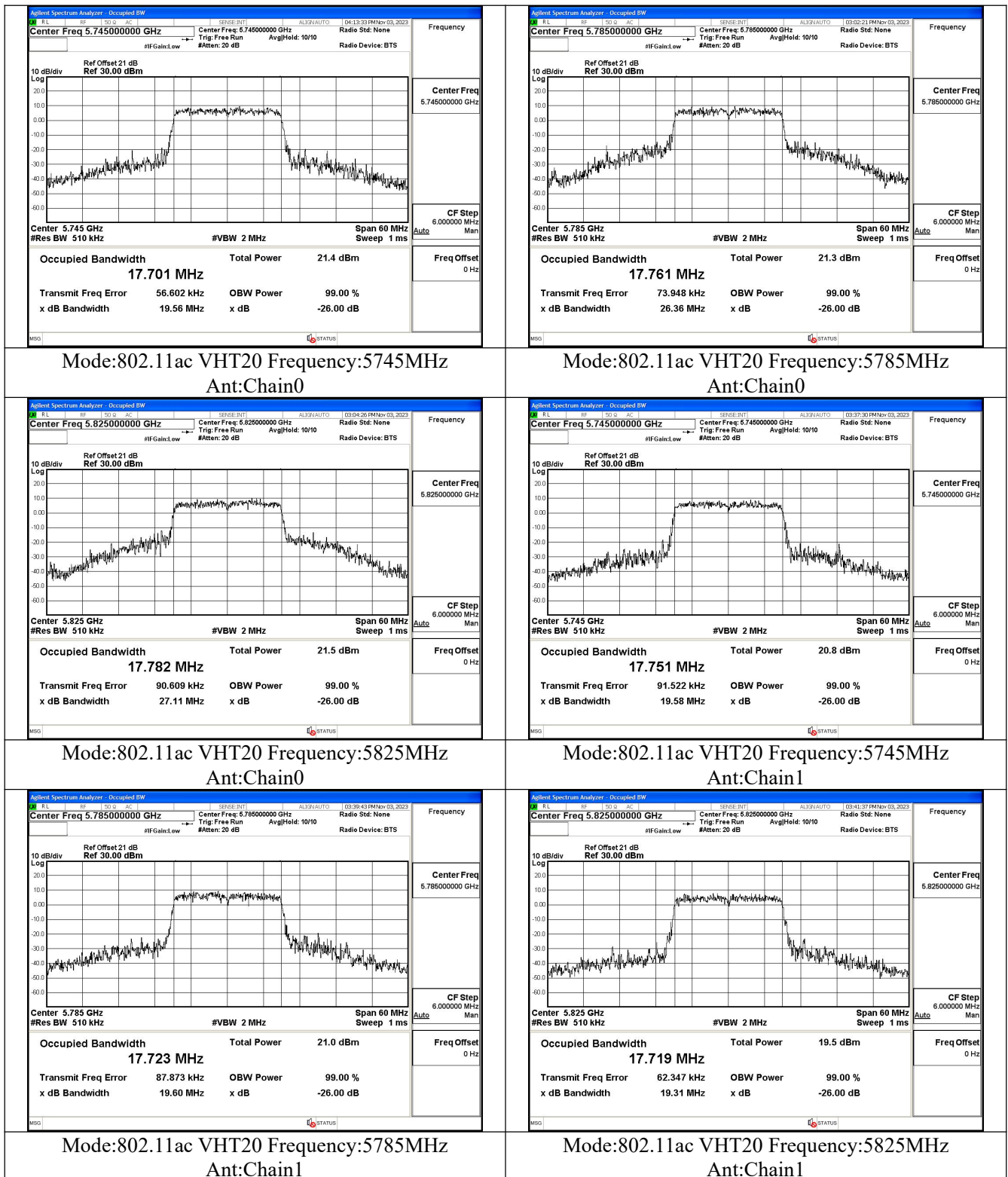


Mode:802.11a Frequency:5825MHz Ant:Chain1

Test Mode: 802.11n HT20



Test Mode: 802.11ac VHT20



Test Mode: 802.11n HT40

