

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5745	98.45%	0	Fig.1
802.11a	5745	98.43%	0	Fig.2
802.11n HT20	5745	98.37%	0	Fig.3
802.11n HT20	5745	98.42%	0	Fig.4
802.11ac VHT20	5745	98.30%	0	Fig.5
802.11ac VHT20	5745	98.44%	0	Fig.6
802.11n HT40	5755	97.46%	0.11	Fig.7
802.11n HT40	5755	97.63%	0.10	Fig.8
802.11ac VHT40	5755	97.56%	0.11	Fig.9
802.11ac VHT40	5755	97.50%	0.11	Fig.10
802.11ac VHT80	5775	96.45%	0.16	Fig.11
802.11ac VHT80	5775	96.62%	0.15	Fig.12

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

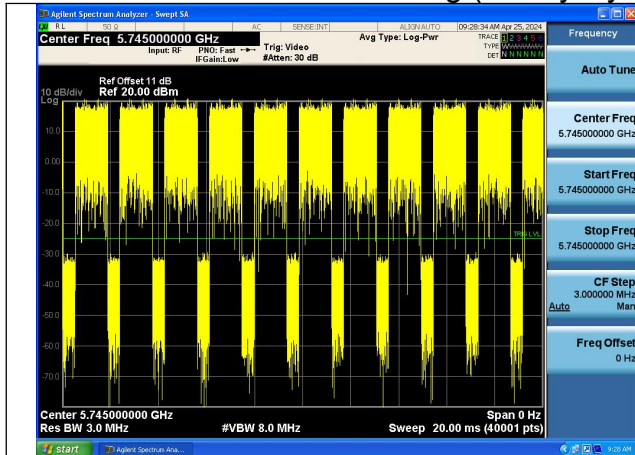


Fig.1

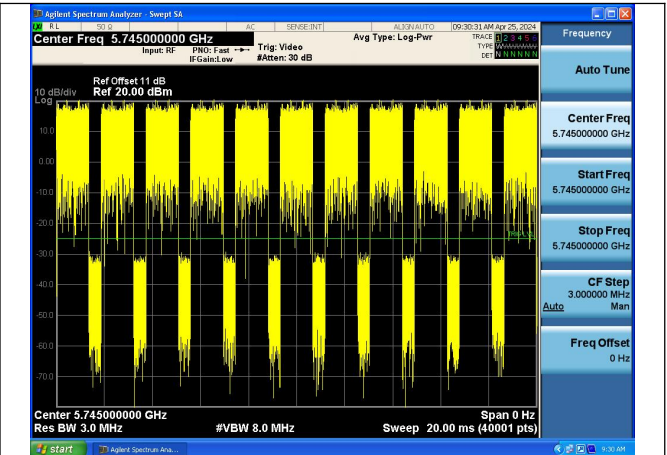


Fig.2

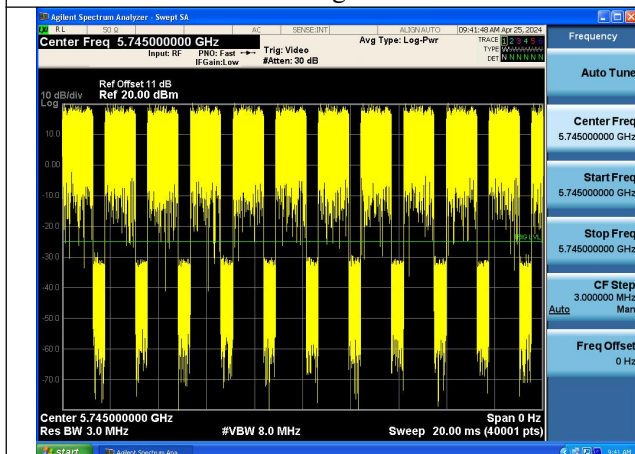


Fig.3

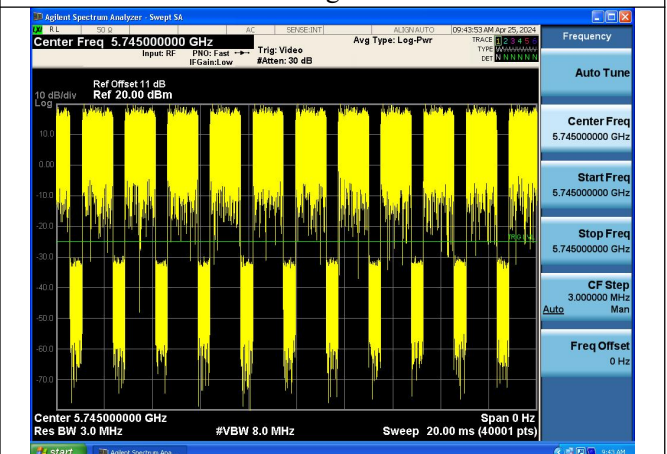


Fig.4

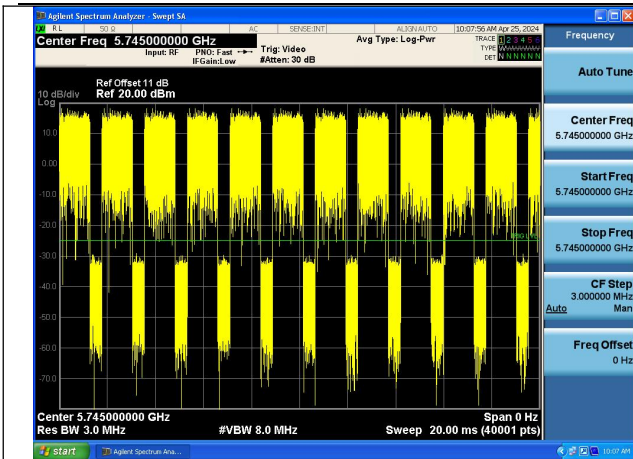


Fig.5

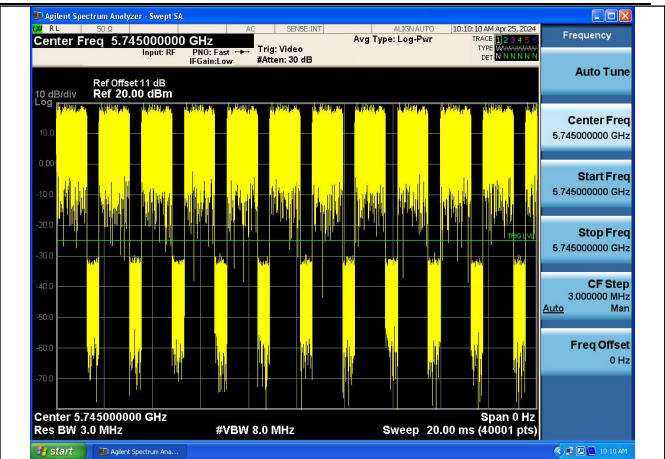


Fig.6

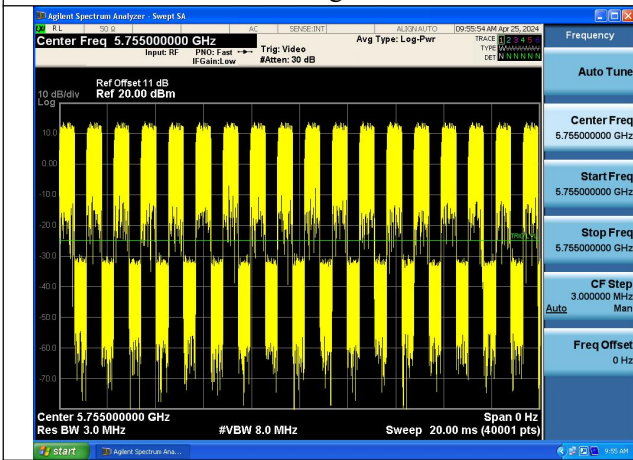


Fig.7

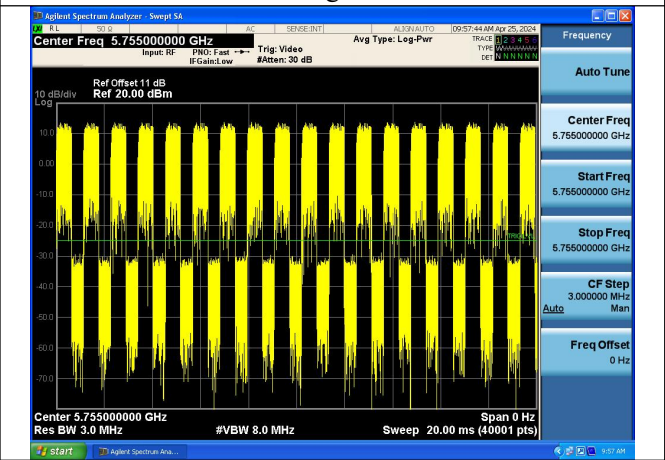


Fig.8

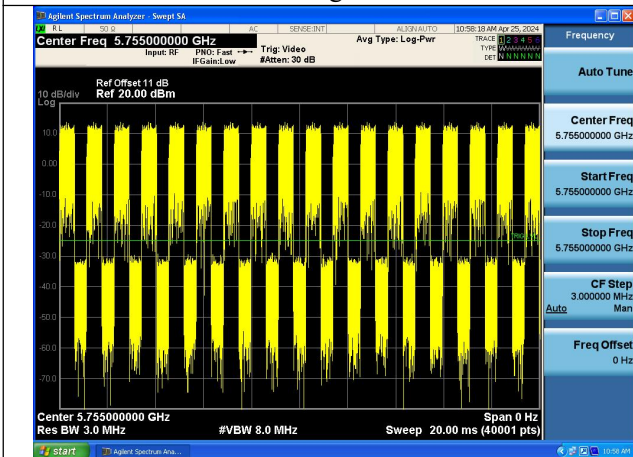


Fig.9

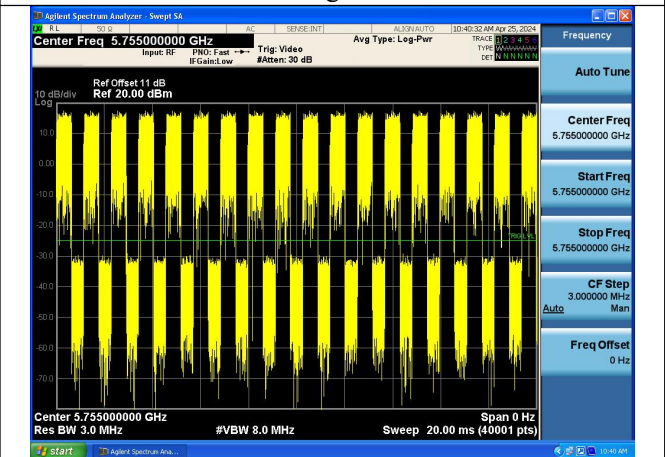


Fig.10

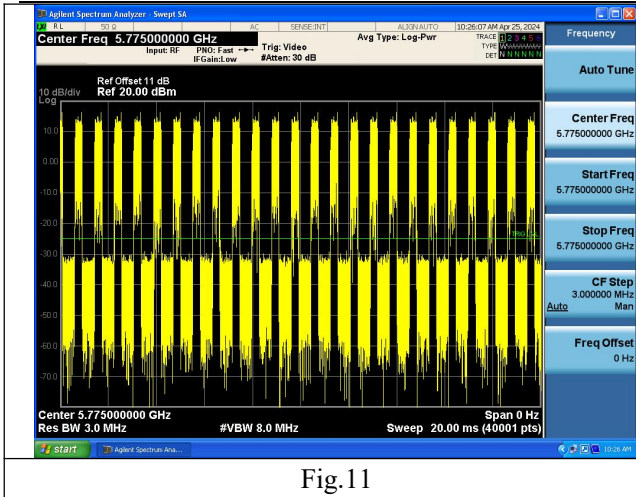


Fig.11

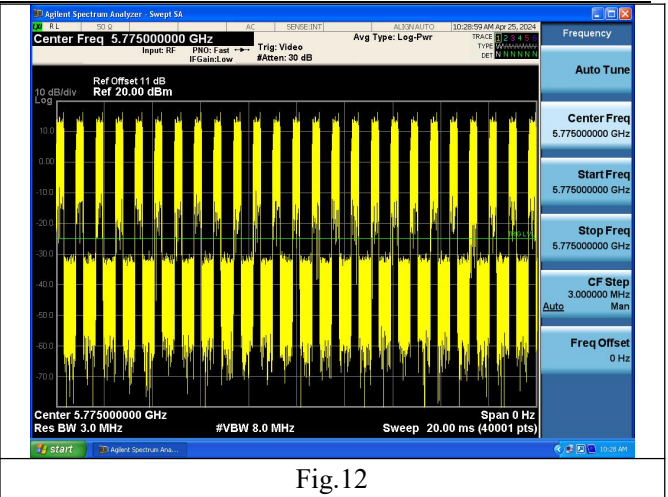


Fig.12

Output Power

Mode	Tones/ RUIndex	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5745	Chain0	15.81	18.81
802.11a	NA	5745	Chain1	15.75	17.75
802.11a	NA	5785	Chain0	16.18	19.18
802.11a	NA	5785	Chain1	16.16	18.16
802.11a	NA	5825	Chain0	16.28	19.28
802.11a	NA	5825	Chain1	16.24	18.24
802.11n HT20	NA	5745	Chain0	15.97	18.97
802.11n HT20	NA	5745	Chain1	15.66	17.66
802.11n HT20	NA	5745	MIMO	18.83	21.36
802.11n HT20	NA	5785	Chain0	16.12	19.12
802.11n HT20	NA	5785	Chain1	15.99	17.99
802.11n HT20	NA	5785	MIMO	19.07	21.60
802.11n HT20	NA	5825	Chain0	16.00	19.00
802.11n HT20	NA	5825	Chain1	16.28	18.28
802.11n HT20	NA	5825	MIMO	19.15	21.68
802.11ac VHT20	NA	5745	Chain0	16.02	19.02
802.11ac VHT20	NA	5745	Chain1	15.88	17.88
802.11ac VHT20	NA	5745	MIMO	18.96	21.49
802.11ac VHT20	NA	5785	Chain0	16.33	19.33
802.11ac VHT20	NA	5785	Chain1	15.89	17.89
802.11ac VHT20	NA	5785	MIMO	19.13	21.66
802.11ac VHT20	NA	5825	Chain0	16.40	19.40
802.11ac VHT20	NA	5825	Chain1	16.52	18.52
802.11ac VHT20	NA	5825	MIMO	19.47	22.00
802.11n HT40	NA	5755	Chain0	12.52	15.52
802.11n HT40	NA	5755	Chain1	12.32	14.32
802.11n HT40	NA	5755	MIMO	15.43	17.96
802.11n HT40	NA	5795	Chain0	15.55	18.55
802.11n HT40	NA	5795	Chain1	15.65	17.65
802.11n HT40	NA	5795	MIMO	18.61	21.14
802.11ac VHT40	NA	5755	Chain0	16.67	19.67
802.11ac VHT40	NA	5755	Chain1	16.73	18.73
802.11ac VHT40	NA	5755	MIMO	19.71	22.24
802.11ac VHT40	NA	5795	Chain0	17.28	20.28
802.11ac VHT40	NA	5795	Chain1	16.64	18.64
802.11ac VHT40	NA	5795	MIMO	19.98	22.51
802.11ac VHT80	NA	5775	Chain0	15.21	18.21
802.11ac VHT80	NA	5775	Chain1	15.35	17.35
802.11ac VHT80	NA	5775	MIMO	18.29	20.82

Emission Bandwidth

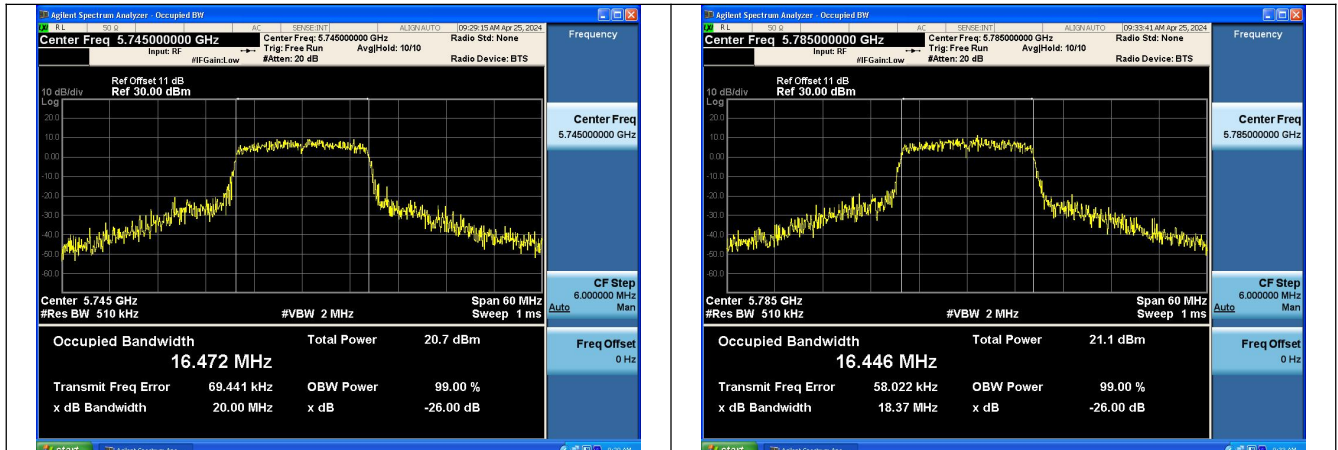
Offset 21dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5745MHz	5785MHz	5825MHz
802.11a	Chain0	20.00	18.37	20.03
802.11a	Chain1	18.63	18.82	19.59
802.11n HT20	Chain0	19.49	19.45	19.27
802.11n HT20	Chain1	19.28	20.07	19.31
802.11ac VHT20	Chain0	18.92	19.47	19.46
802.11ac VHT20	Chain1	19.30	19.68	20.87

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5755MHz	---	5795MHz
802.11n HT40	Chain0	38.43	---	39.04
802.11n HT40	Chain1	38.66	---	41.22
802.11ac VHT40	Chain0	38.87	---	38.82
802.11ac VHT40	Chain1	38.81	---	38.69

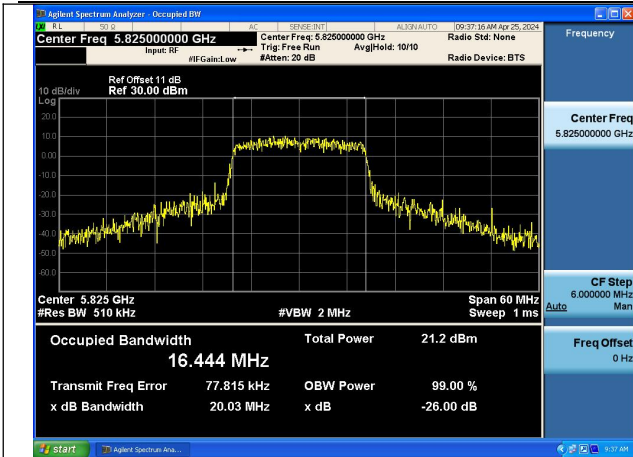
Test Mode	Antenna	26dB Bandwidth (MHz)		
		5775MHz	---	---
802.11ac VHT80	Chain0	80.11	---	---
802.11ac VHT80	Chain1	76.27	---	---

Test Mode: 802.11a

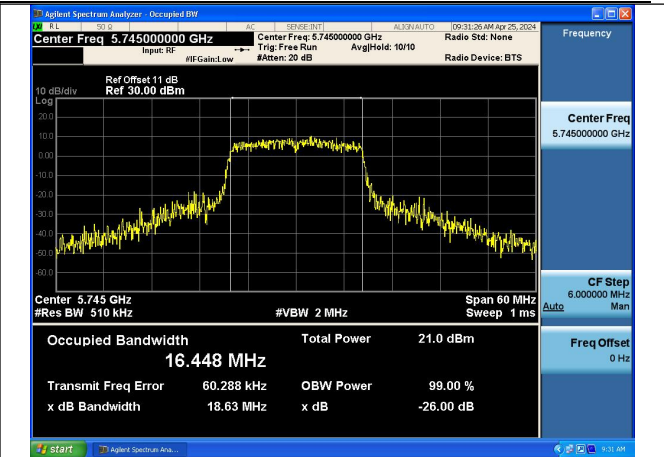


Mode:802.11a Frequency:5745MHz Ant:Chain0

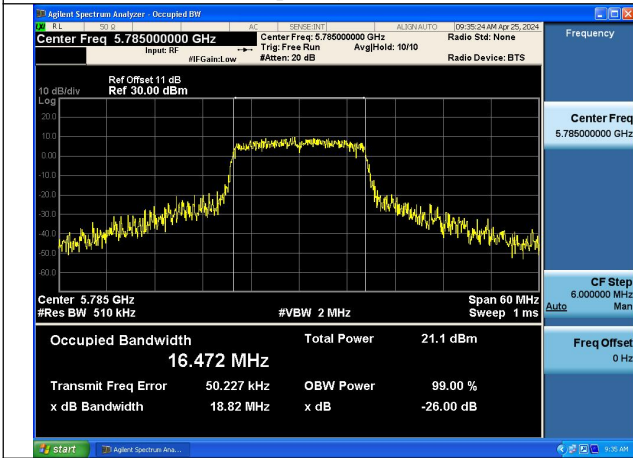
Mode:802.11a Frequency:5785MHz Ant:Chain0



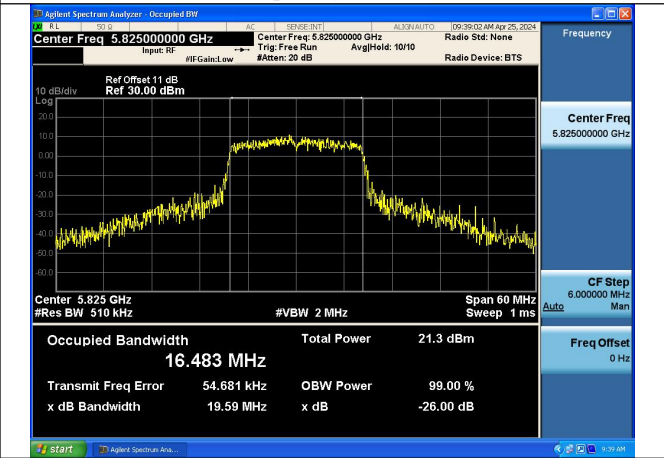
Mode:802.11a Frequency:5825MHz Ant:Chain0



Mode:802.11a Frequency:5745MHz Ant:Chain1

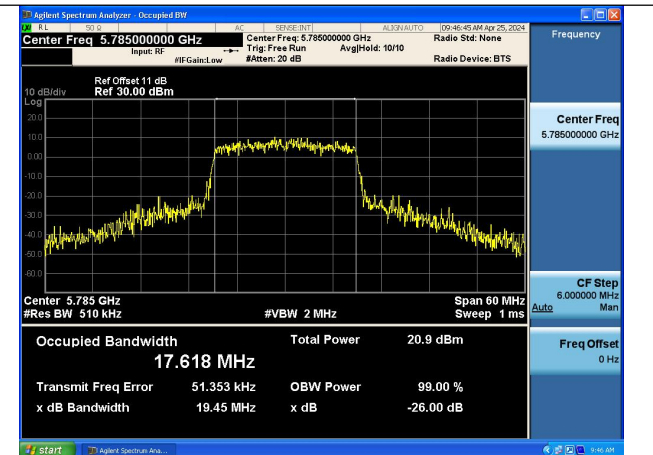
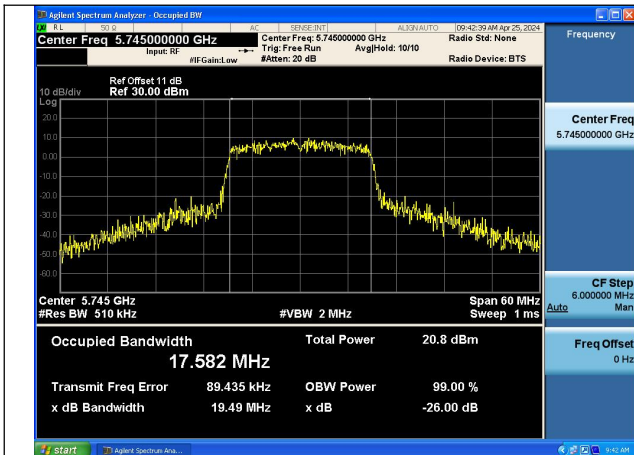


Mode:802.11a Frequency:5785MHz Ant:Chain1



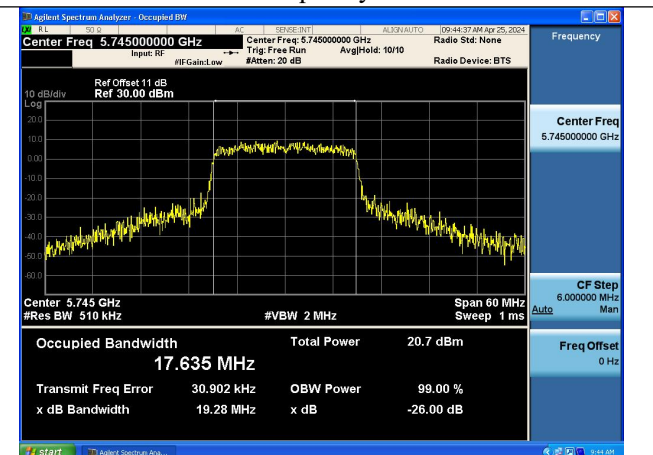
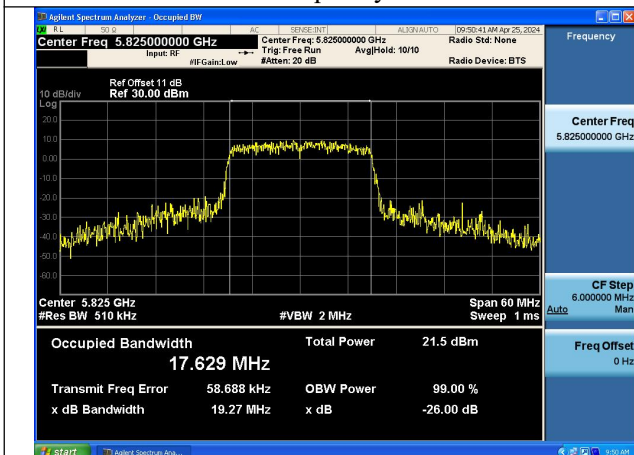
Mode:802.11a Frequency:5825MHz Ant:Chain1

Test Mode: 802.11n HT20



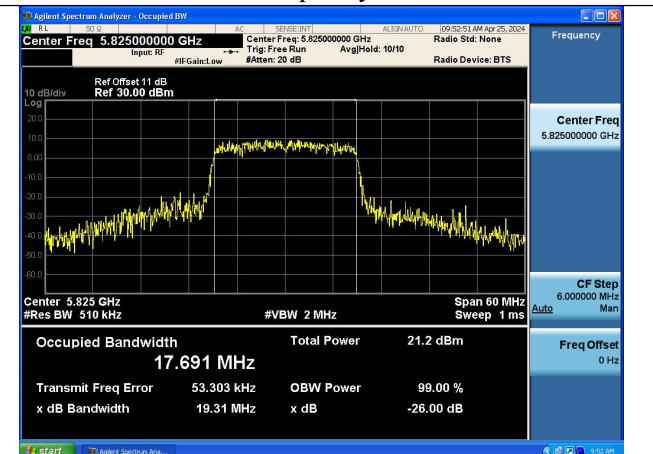
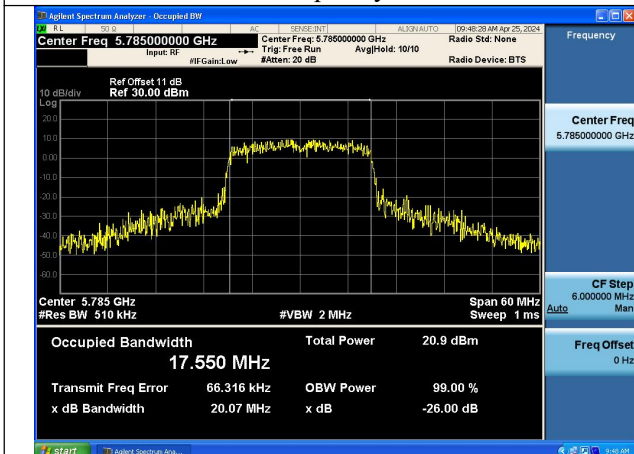
Mode:802.11n HT20 Frequency:5745MHz Ant:Chain0

Mode:802.11n HT20 Frequency:5785MHz Ant:Chain0



Mode:802.11n HT20 Frequency:5825MHz Ant:Chain0

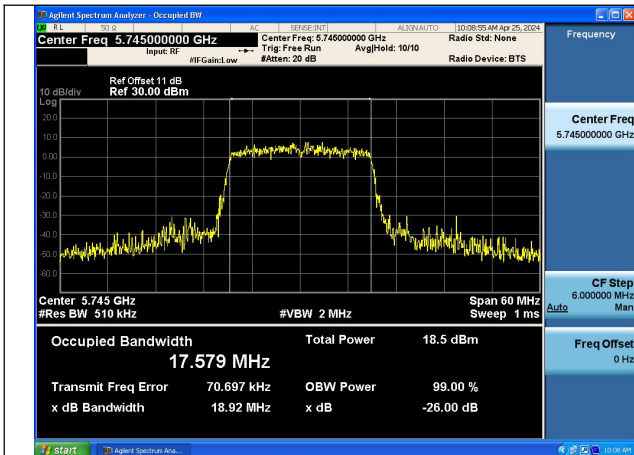
Mode:802.11n HT20 Frequency:5745MHz Ant:Chain1



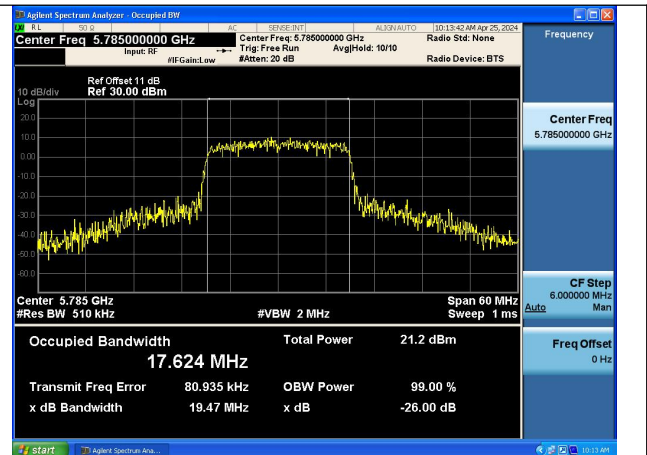
Mode:802.11n HT20 Frequency:5785MHz Ant:Chain1

Mode:802.11n HT20 Frequency:5825MHz Ant:Chain1

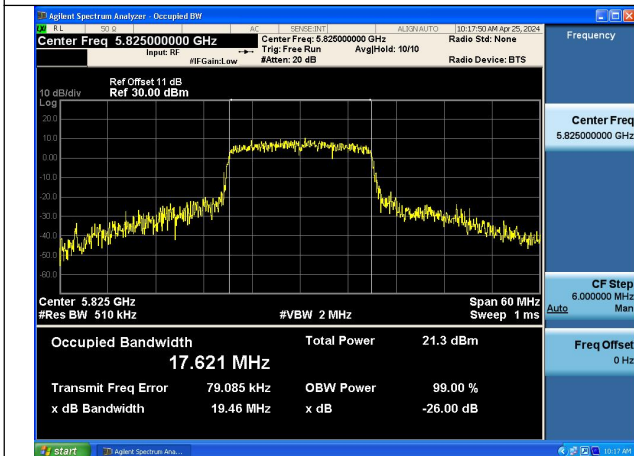
Test Mode: 802.11ac VHT20



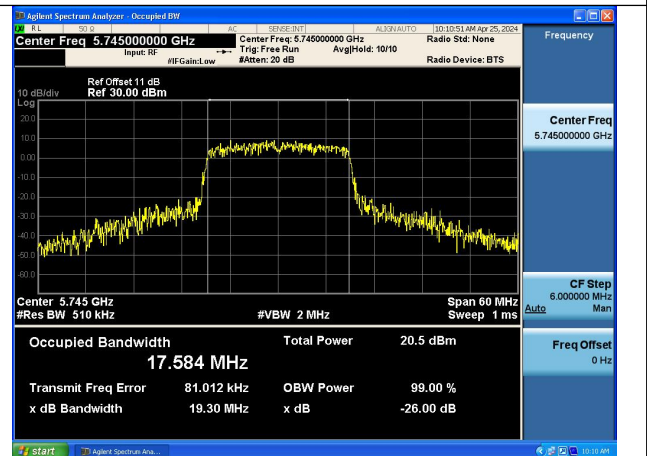
Mode:802.11ac VHT20 Frequency:5745MHz
Ant:Chain0



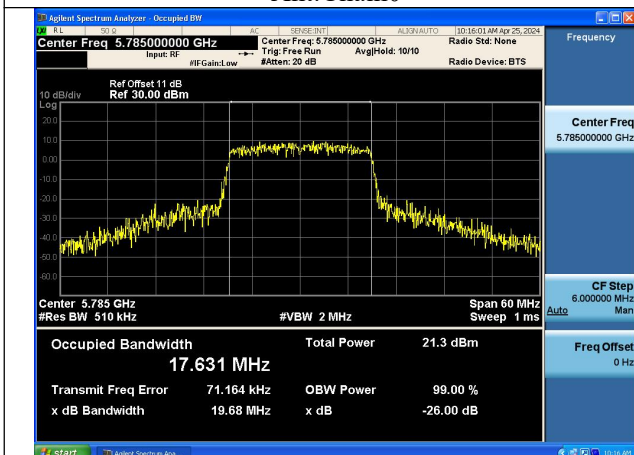
Mode:802.11ac VHT20 Frequency:5785MHz
Ant:Chain0



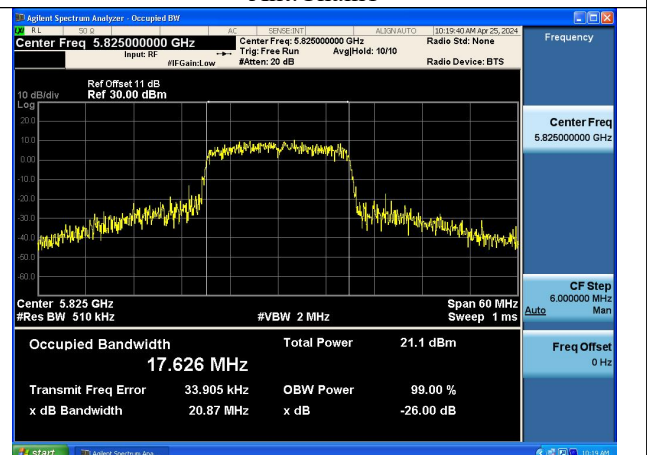
Mode:802.11ac VHT20 Frequency:5825MHz
Ant:Chain0



Mode:802.11ac VHT20 Frequency:5745MHz
Ant:Chain1



Mode:802.11ac VHT20 Frequency:5785MHz
Ant:Chain1



Mode:802.11ac VHT20 Frequency:5825MHz
Ant:Chain1