

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5745	99.92%	0	Fig.1
802.11a	5745	99.90%	0	Fig.2
802.11n HT20	5745	99.91%	0	Fig.3
802.11n HT20	5745	99.93%	0	Fig.4
802.11ac VHT20	5745	99.91%	0	Fig.5
802.11ac VHT20	5745	99.91%	0	Fig.6
802.11n HT40	5755	99.82%	0	Fig.7
802.11n HT40	5755	99.87%	0	Fig.8
802.11ac VHT40	5755	99.83%	0	Fig.9
802.11ac VHT40	5755	99.87%	0	Fig.10
802.11ac VHT80	5775	99.70%	0	Fig.11
802.11ac VHT80	5775	99.68%	0	Fig.12

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

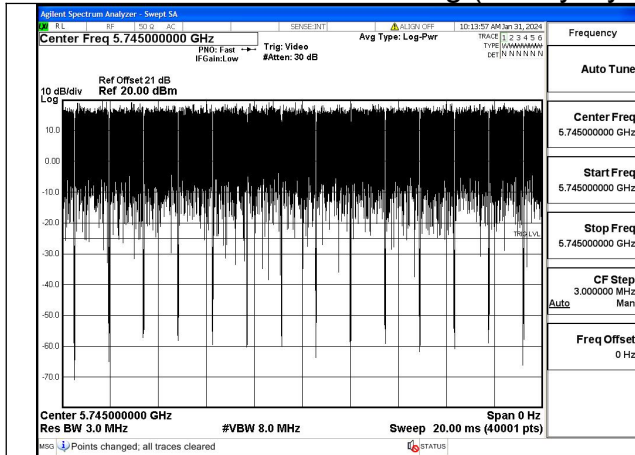


Fig.1

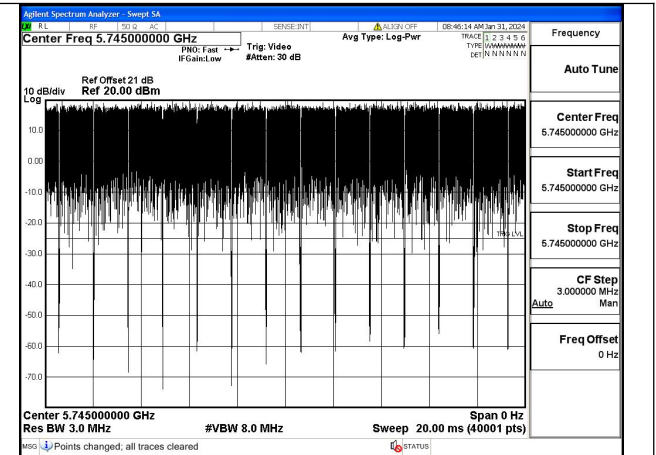


Fig.2

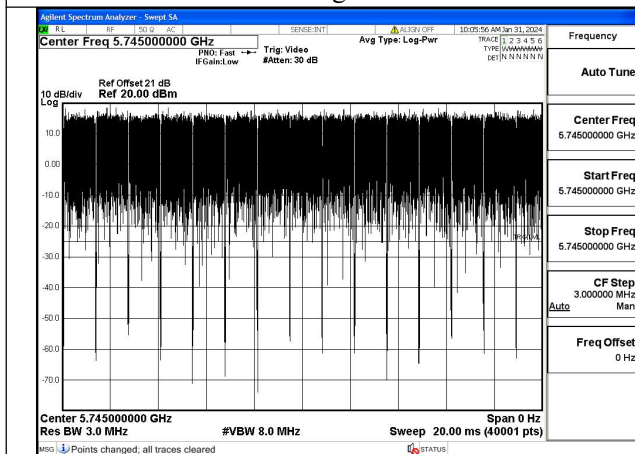


Fig.3

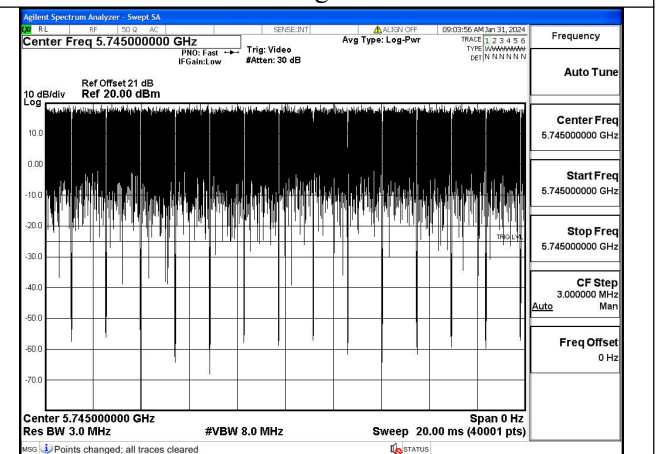


Fig.4

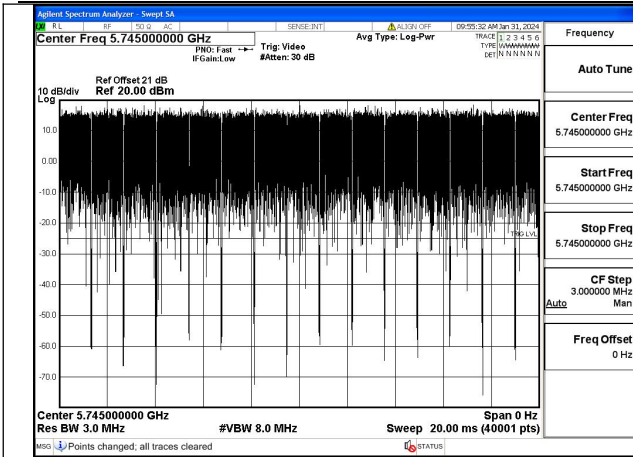


Fig.5

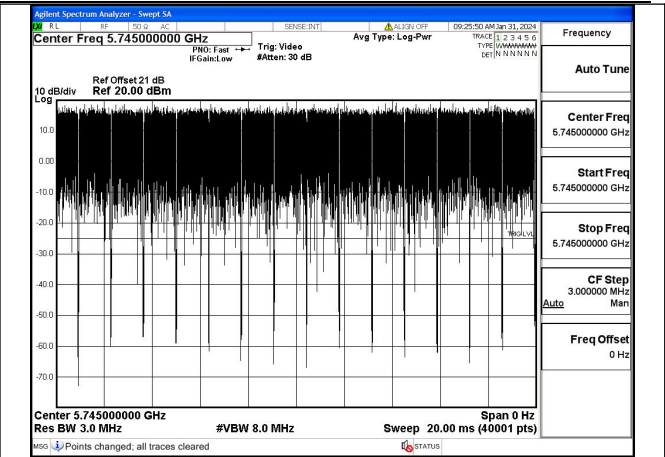


Fig.6

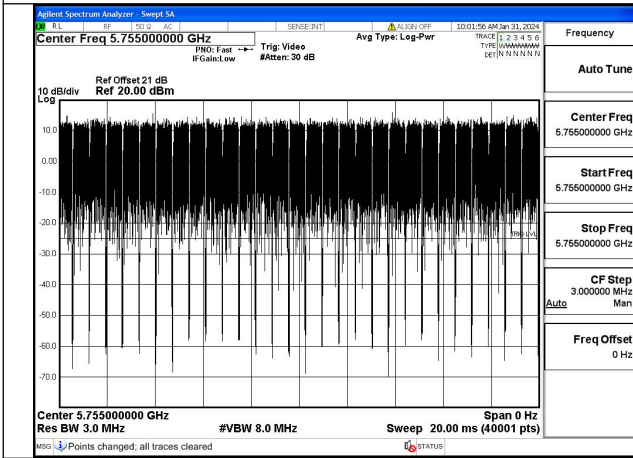


Fig.7

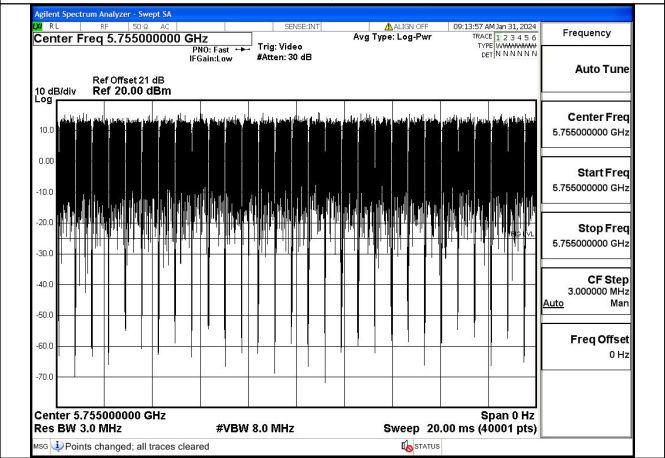


Fig.8

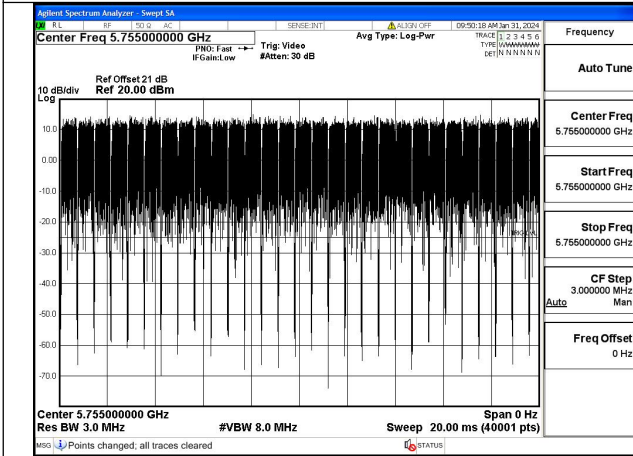


Fig.9

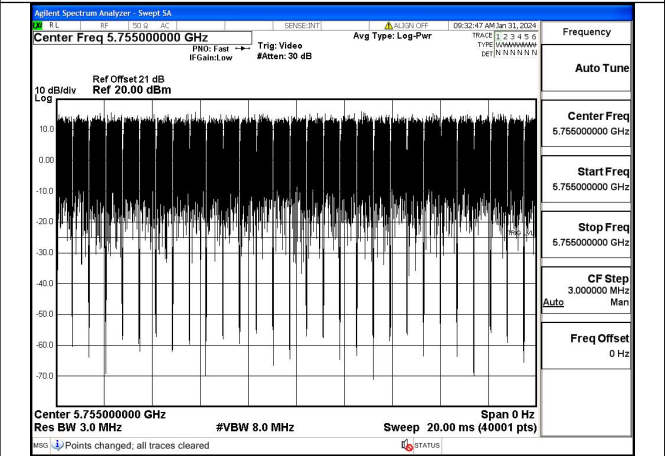


Fig.10

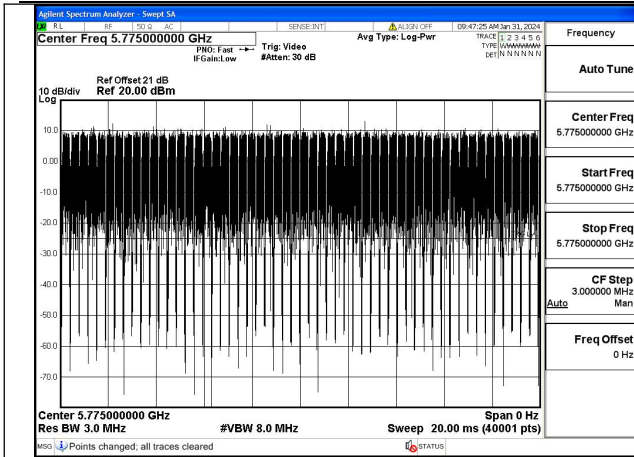


Fig.11

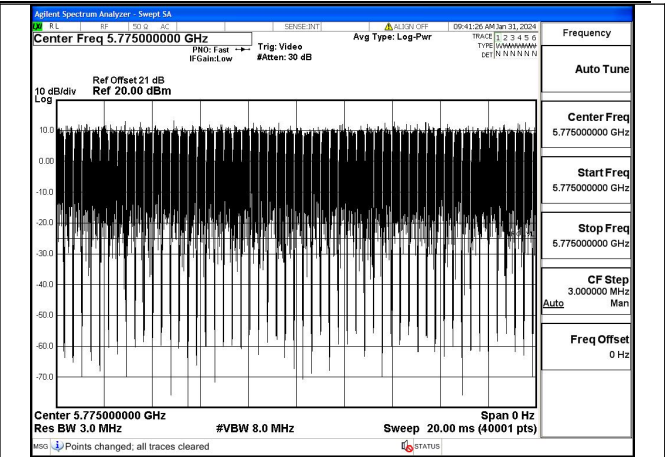


Fig.12

Output Power

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5745	Chain0	15.76	21.02
802.11a	NA	5745	Chain1	16.61	17.40
802.11a	NA	5785	Chain0	15.70	20.96
802.11a	NA	5785	Chain1	16.86	17.65
802.11a	NA	5825	Chain0	15.66	20.92
802.11a	NA	5825	Chain1	16.74	17.53
802.11n HT20	NA	5745	Chain0	14.73	19.99
802.11n HT20	NA	5745	Chain1	15.65	16.44
802.11n HT20	NA	5745	MIMO	18.22	21.80
802.11n HT20	NA	5785	Chain0	14.74	20.00
802.11n HT20	NA	5785	Chain1	15.62	16.41
802.11n HT20	NA	5785	MIMO	18.21	21.79
802.11n HT20	NA	5825	Chain0	14.72	19.98
802.11n HT20	NA	5825	Chain1	15.49	16.28
802.11n HT20	NA	5825	MIMO	18.13	21.71
802.11ac VHT20	NA	5745	Chain0	14.71	19.97
802.11ac VHT20	NA	5745	Chain1	15.53	16.32
802.11ac VHT20	NA	5745	MIMO	18.15	21.73
802.11ac VHT20	NA	5785	Chain0	14.71	19.97
802.11ac VHT20	NA	5785	Chain1	15.56	16.35
802.11ac VHT20	NA	5785	MIMO	18.17	21.75
802.11ac VHT20	NA	5825	Chain0	14.65	19.91
802.11ac VHT20	NA	5825	Chain1	15.51	16.30
802.11ac VHT20	NA	5825	MIMO	18.11	21.69
802.11n HT40	NA	5755	Chain0	14.82	20.08
802.11n HT40	NA	5755	Chain1	15.85	16.64
802.11n HT40	NA	5755	MIMO	18.38	21.96
802.11n HT40	NA	5795	Chain0	14.75	20.01
802.11n HT40	NA	5795	Chain1	15.93	16.72
802.11n HT40	NA	5795	MIMO	18.39	21.97
802.11ac VHT40	NA	5755	Chain0	14.81	20.07
802.11ac VHT40	NA	5755	Chain1	15.76	16.55
802.11ac VHT40	NA	5755	MIMO	18.32	21.90
802.11ac VHT40	NA	5795	Chain0	14.75	20.01
802.11ac VHT40	NA	5795	Chain1	15.84	16.63
802.11ac VHT40	NA	5795	MIMO	18.34	21.92
802.11ac VHT80	NA	5775	Chain0	14.22	19.48
802.11ac VHT80	NA	5775	Chain1	15.37	16.16
802.11ac VHT80	NA	5775	MIMO	17.84	21.42

Emission Bandwidth

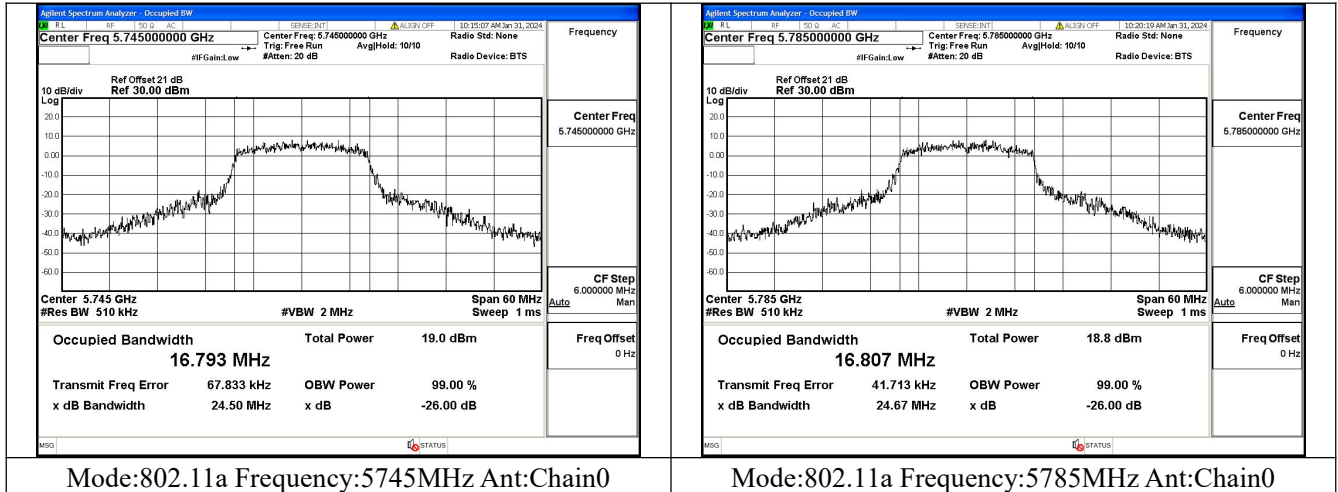
Offset 21dB = Attenuator + Temporary antenna connector loss + Cable loss

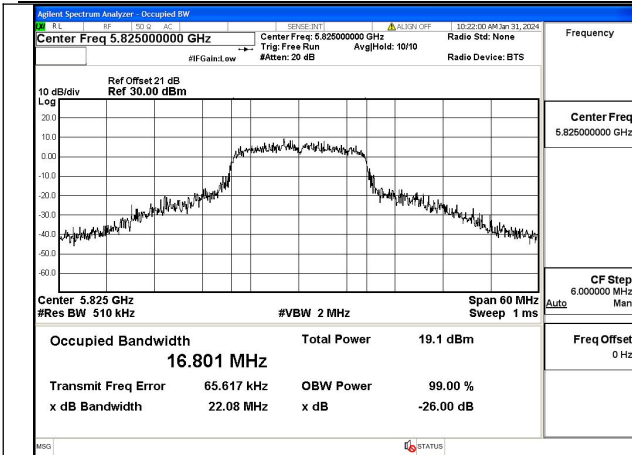
Test Mode	Antenna	26dB Bandwidth (MHz)		
		5745MHz	5785MHz	5825MHz
802.11a	Chain0	24.50	24.67	22.08
802.11a	Chain1	29.68	28.20	26.13
802.11n HT20	Chain0	19.89	20.39	20.12
802.11n HT20	Chain1	26.18	27.51	25.20
802.11ac VHT20	Chain0	20.36	20.08	20.33
802.11ac VHT20	Chain1	26.64	22.12	24.23

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5755MHz	---	5795MHz
802.11n HT40	Chain0	40.75	---	40.27
802.11n HT40	Chain1	40.46	---	40.47
802.11ac VHT40	Chain0	39.99	---	40.40
802.11ac VHT40	Chain1	45.83	---	48.13

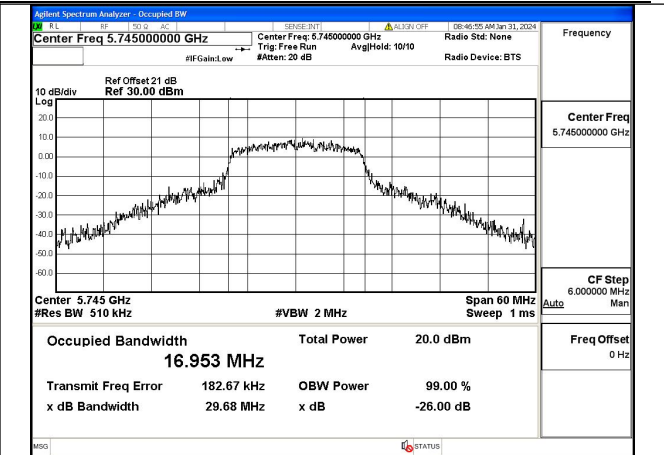
Test Mode	Antenna	26dB Bandwidth (MHz)		
		5775MHz	---	---
802.11ac VHT80	Chain0	80.97	---	---
802.11ac VHT80	Chain1	81.10	---	---

Test Mode: 802.11a

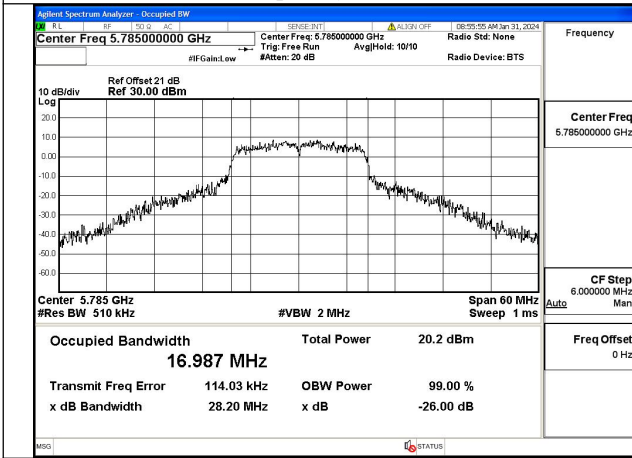




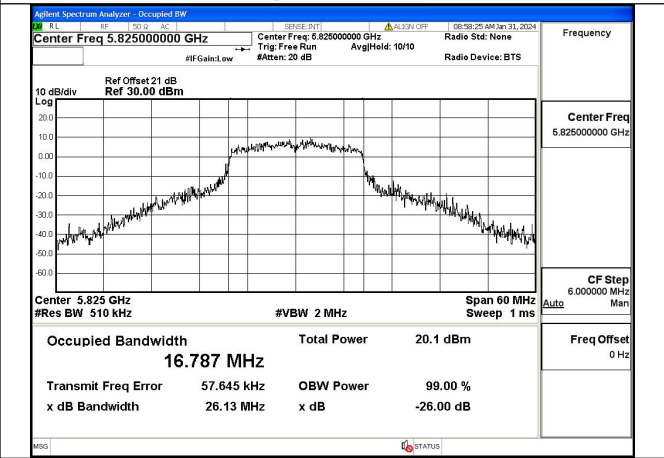
Mode:802.11a Frequency:5825MHz Ant:Chain0



Mode:802.11a Frequency:5745MHz Ant:Chain1

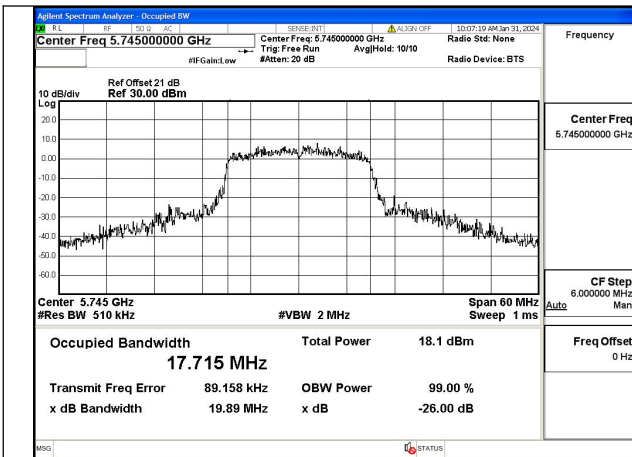


Mode:802.11a Frequency:5785MHz Ant:Chain1

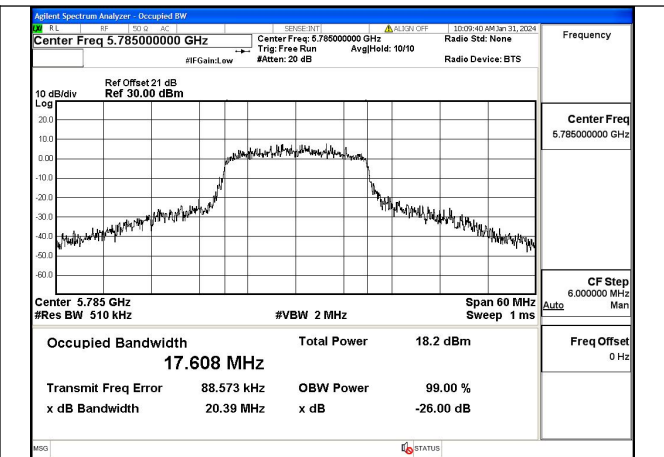


Mode:802.11a Frequency:5825MHz Ant:Chain1

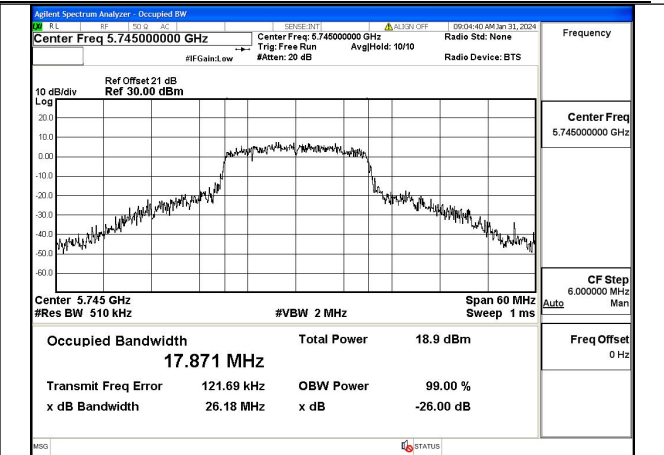
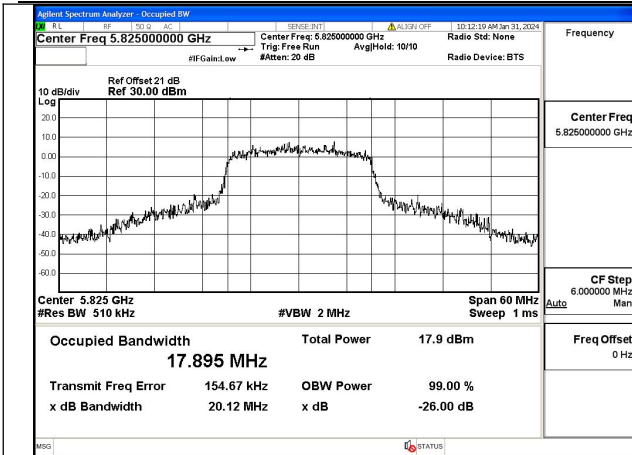
Test Mode: 802.11n HT20



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

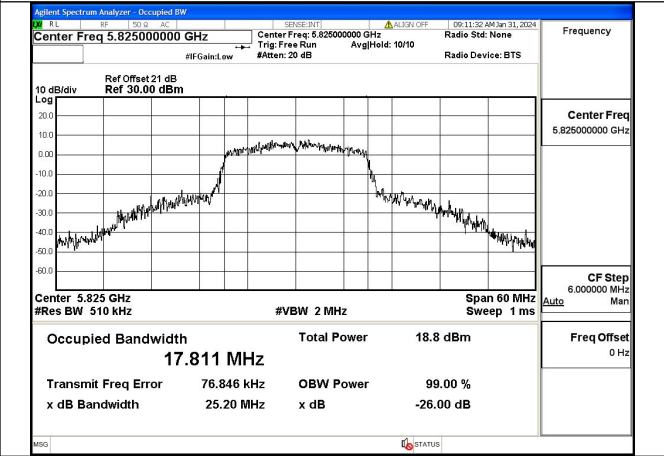
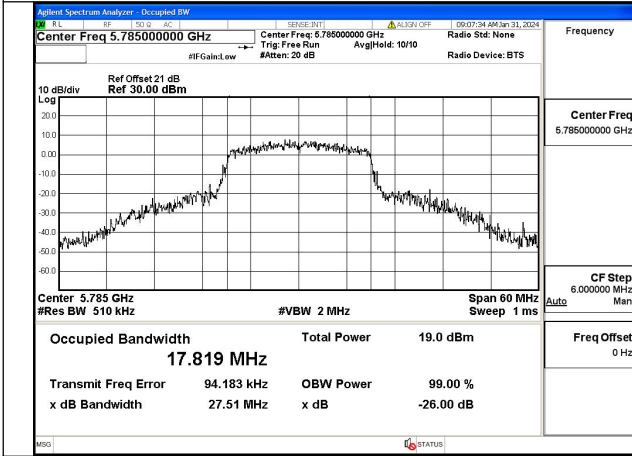


Mode:802.11n HT20 Frequency:5785MHz Ant:Chain0



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

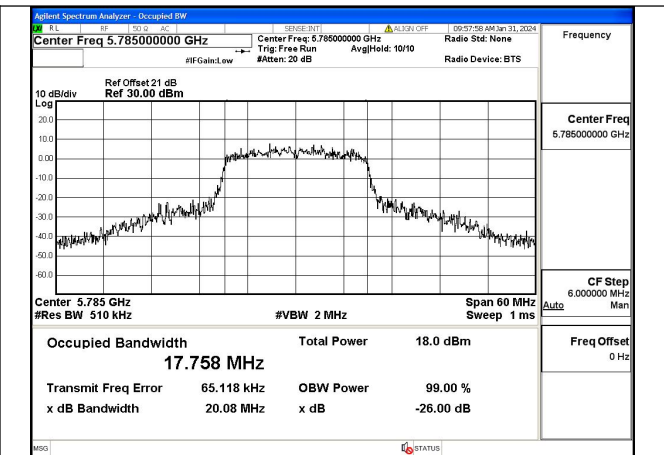
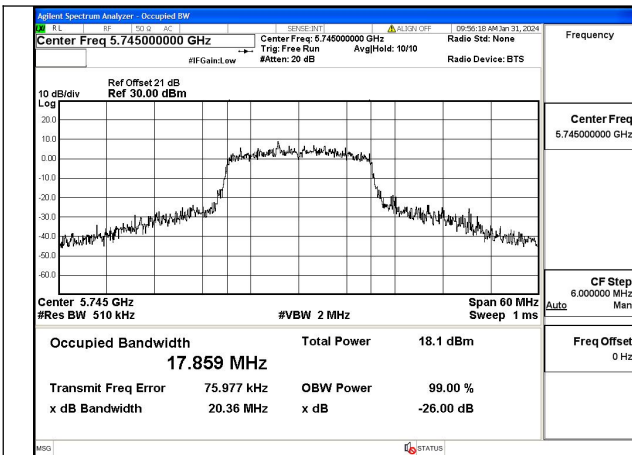
Mode:802.11n HT20 Frequency:5745MHz Ant:Chain1



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

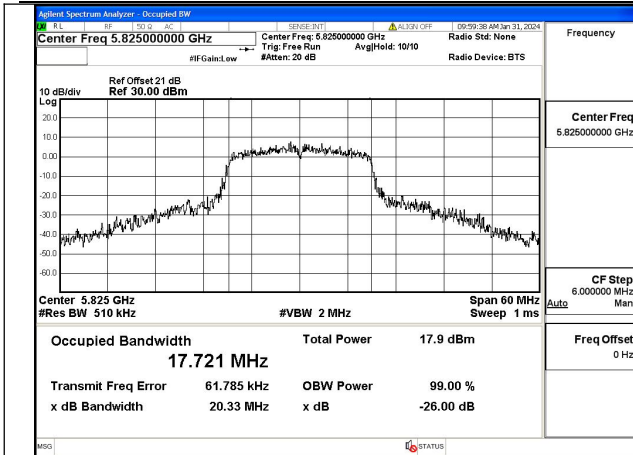
Mode:802.11n HT20 Frequency:5825MHz Ant:Chain1

Test Mode: 802.11ac VHT20

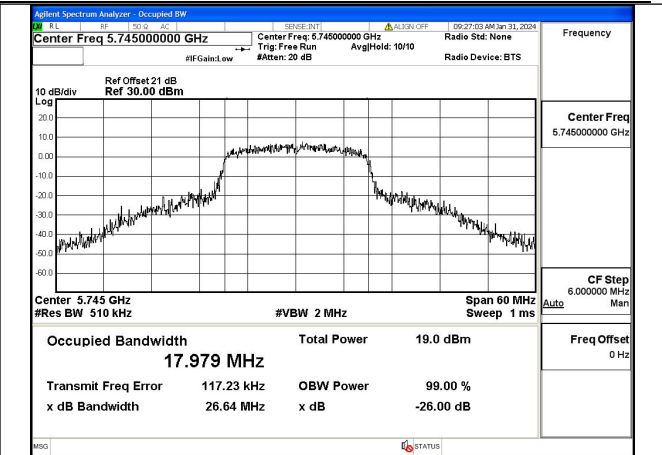


Mode:802.11ac VHT20 Frequency:5745MHz
Ant:Chain0

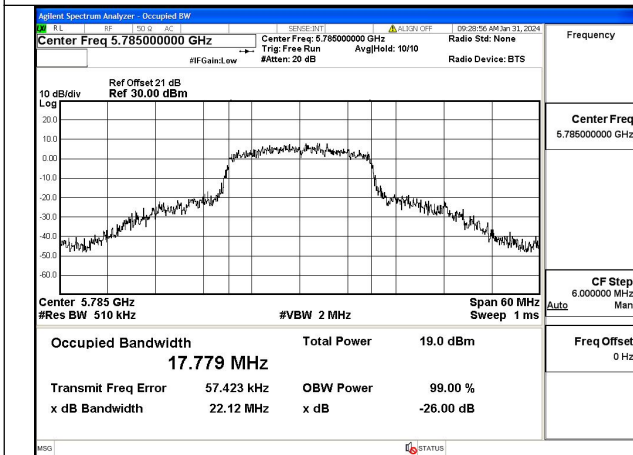
Mode:802.11ac VHT20 Frequency:5785MHz
Ant:Chain0



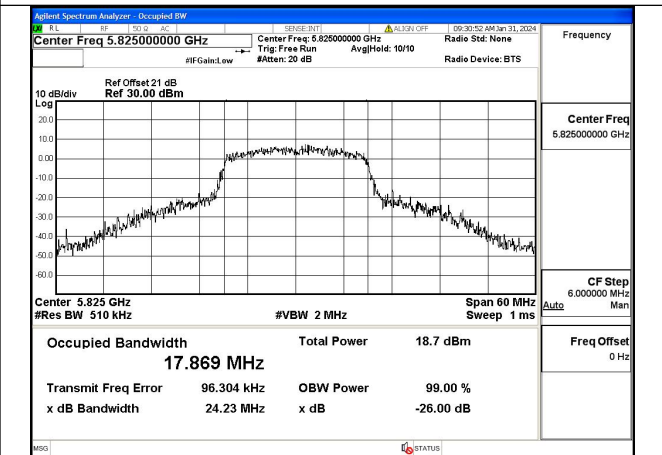
Mode:802.11ac VHT20 Frequency:5825MHz
Ant:Chain0



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

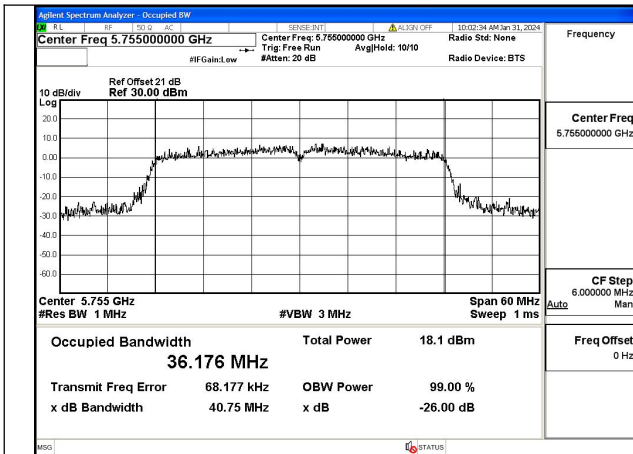


Mode:802.11ac VHT20 Frequency:5785MHz
Ant:Chain1

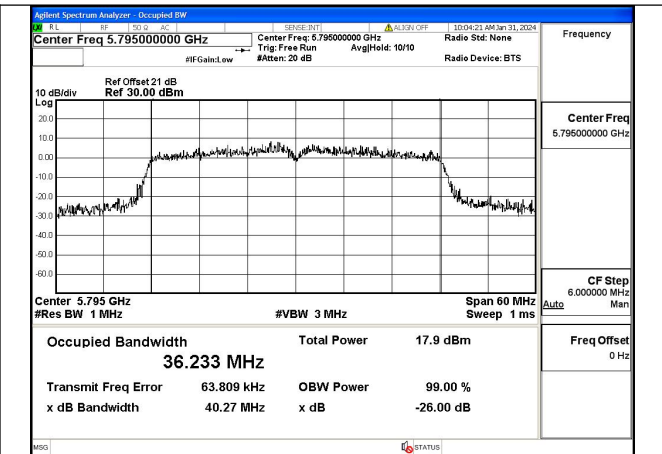


Mode:802.11ac VHT20 Frequency:5825MHz
Ant:Chain1

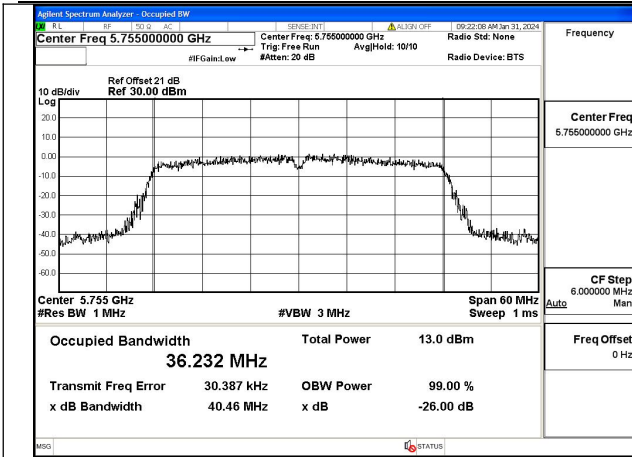
Test Mode: 802.11n HT40



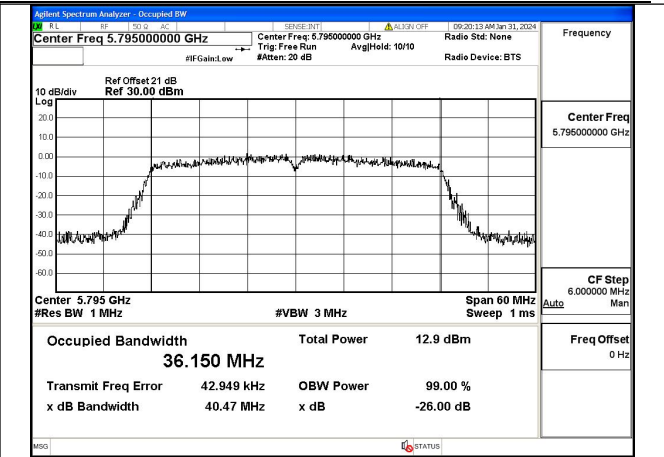
Mode:802.11n HT40 Frequency:5755MHz Ant:Chain0



Mode:802.11n HT40 Frequency:5795MHz Ant:Chain0

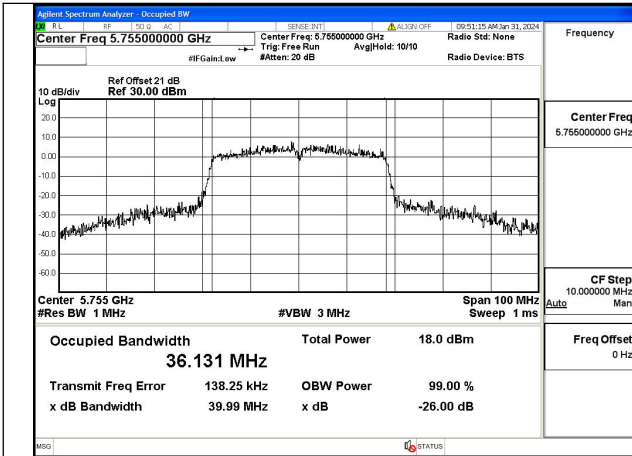


Mode:802.11n HT40 Frequency:5755MHz Ant:Chain1

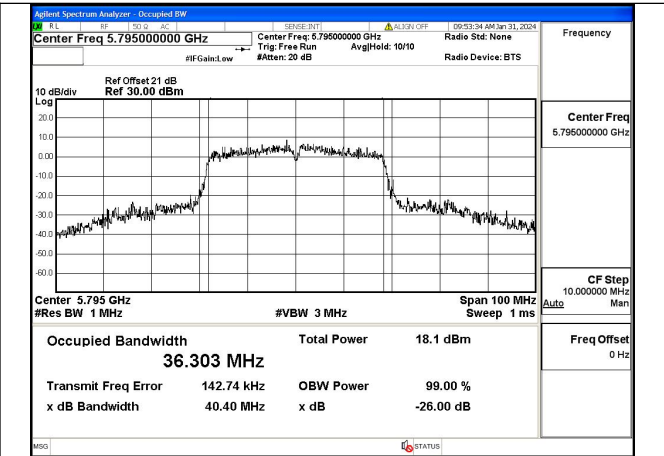


Mode:802.11n HT40 Frequency:5795MHz Ant:Chain1

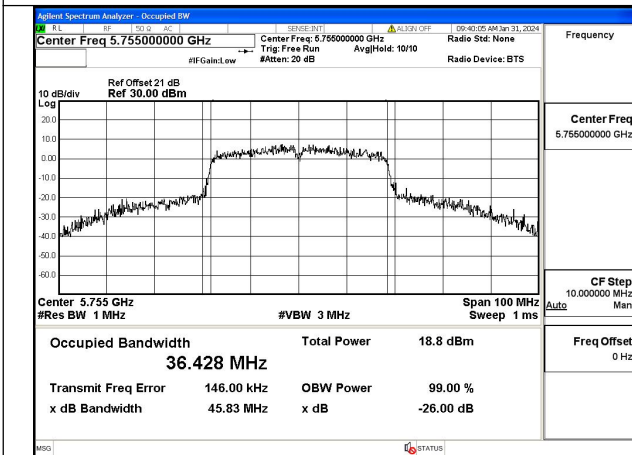
Test Mode: 802.11ac VHT40



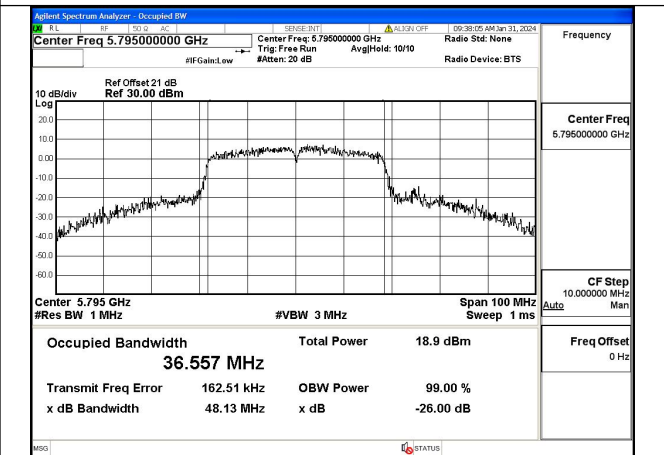
Mode:802.11ac VHT40 Frequency:5755MHz
Ant:Chain0



Mode:802.11ac VHT40 Frequency:5795MHz
Ant:Chain0



Mode:802.11ac VHT40 Frequency:5755MHz
Ant:Chain1



Mode:802.11ac VHT40 Frequency:5795MHz
Ant:Chain1

Test Mode: 802.11ac VHT80

