

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5745	99.40%	0	Fig.1
802.11a	5745	99.53%	0	Fig.2
802.11n HT20	5745	99.06%	0	Fig.3
802.11n HT20	5745	99.33%	0	Fig.4
802.11n HT40	5755	96.96%	0.13	Fig.5
802.11n HT40	5755	96.78%	0.14	Fig.6

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

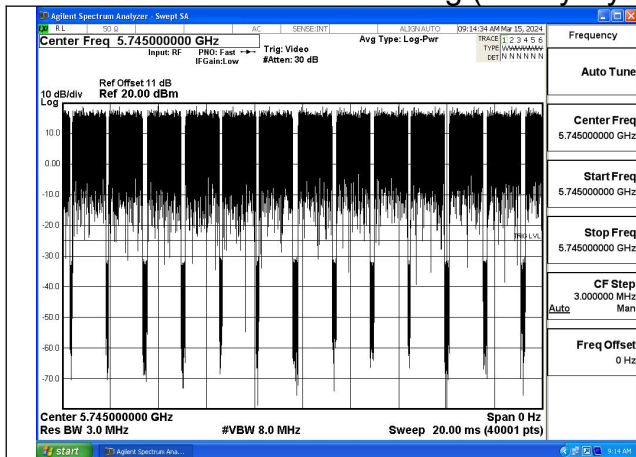


Fig.1

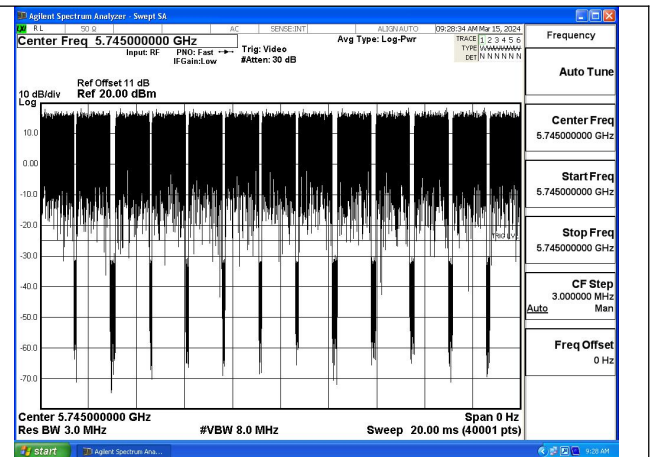


Fig.2

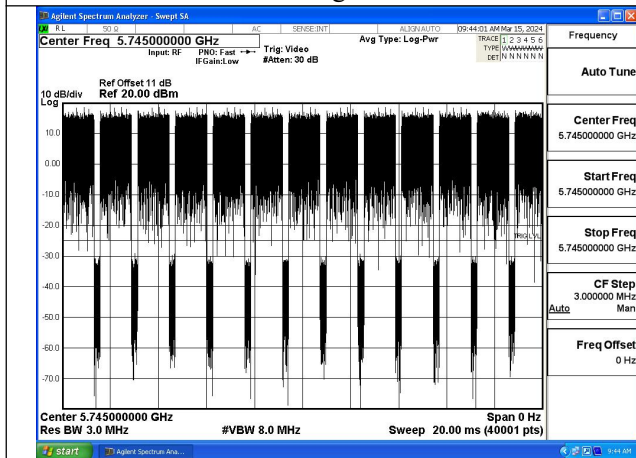


Fig.3

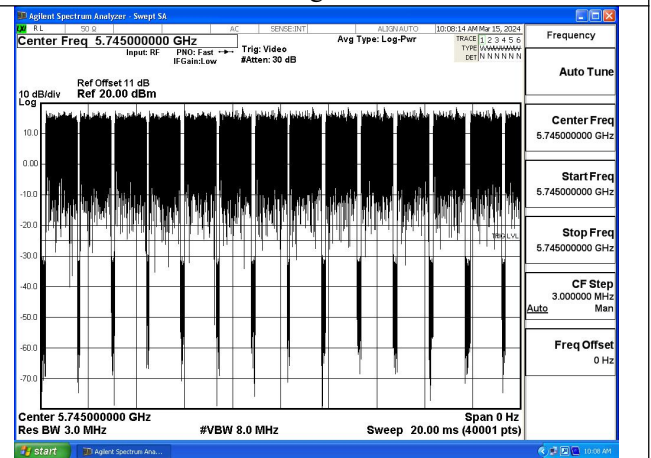


Fig.4

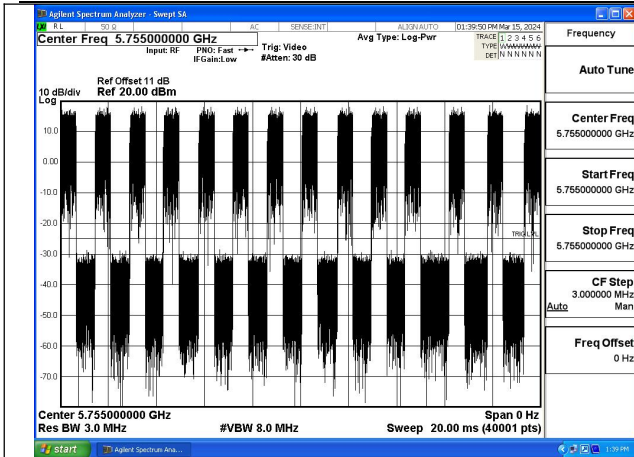


Fig.5

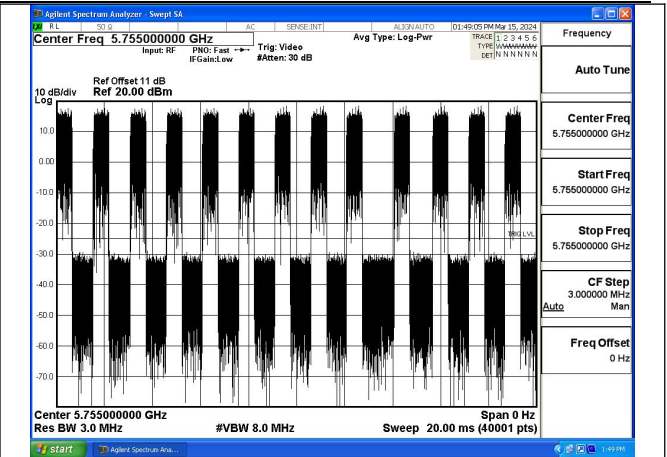


Fig.6

Output Power

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5745	Chain1	15.13	17.63
802.11a	NA	5745	Chain0	14.69	16.50
802.11a	NA	5785	Chain1	15.58	18.08
802.11a	NA	5785	Chain0	15.20	17.01
802.11a	NA	5825	Chain1	15.90	18.40
802.11a	NA	5825	Chain0	15.87	17.68
802.11n HT20	NA	5745	Chain1	14.93	17.43
802.11n HT20	NA	5745	Chain0	14.56	16.37
802.11n HT20	NA	5785	Chain1	15.15	17.65
802.11n HT20	NA	5785	Chain0	15.24	17.05
802.11n HT20	NA	5825	Chain1	15.83	18.33
802.11n HT20	NA	5825	Chain0	15.78	17.59
802.11n HT40	NA	5755	Chain1	15.16	17.66
802.11n HT40	NA	5755	Chain0	15.13	16.94
802.11n HT40	NA	5795	Chain1	15.24	17.74
802.11n HT40	NA	5795	Chain0	15.28	17.09

NOTE: This product does not support MIMO emission

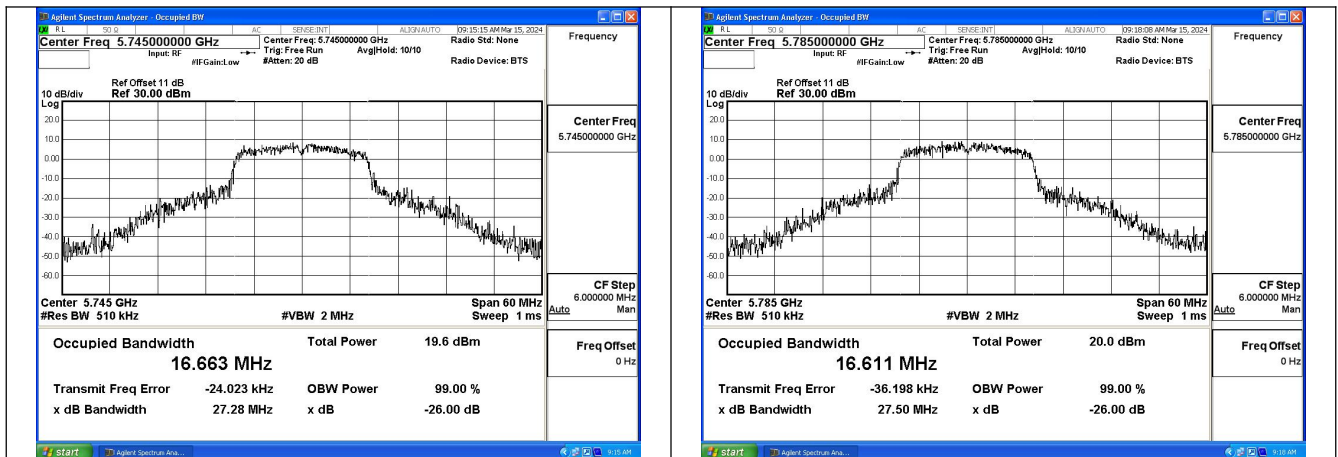
Emission Bandwidth

Offset 11dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5745MHz	5785MHz	5825MHz
802.11a	Chain0	27.28	27.50	29.50
802.11a	Chain1	28.40	27.73	27.05
802.11n HT20	Chain0	27.95	25.14	27.55
802.11n HT20	Chain1	29.17	28.12	29.98

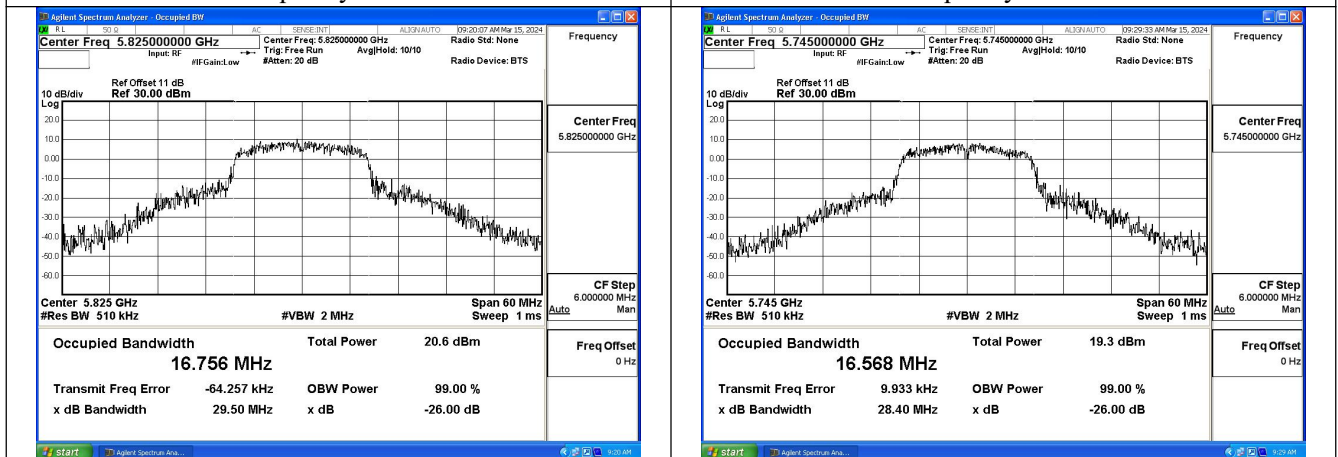
Test Mode	Antenna	26dB Bandwidth (MHz)		
		5755MHz	---	5795MHz
802.11n HT40	Chain0	43.87	---	38.30
802.11n HT40	Chain1	38.33	---	38.49

Test Mode: 802.11a



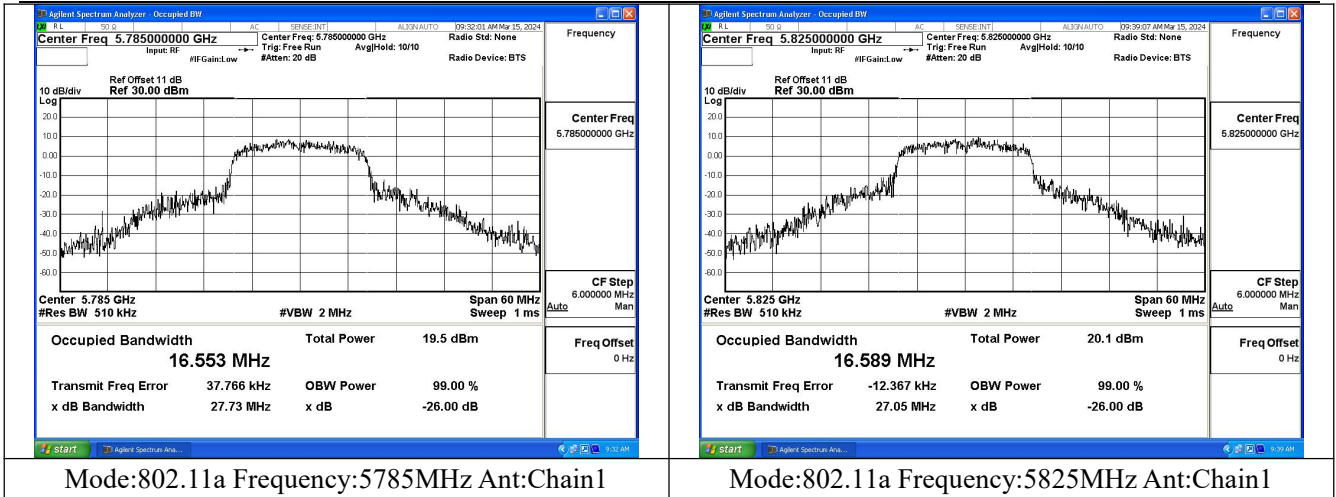
Mode:802.11a Frequency:5745MHz Ant:Chain0

Mode:802.11a Frequency:5785MHz Ant:Chain0

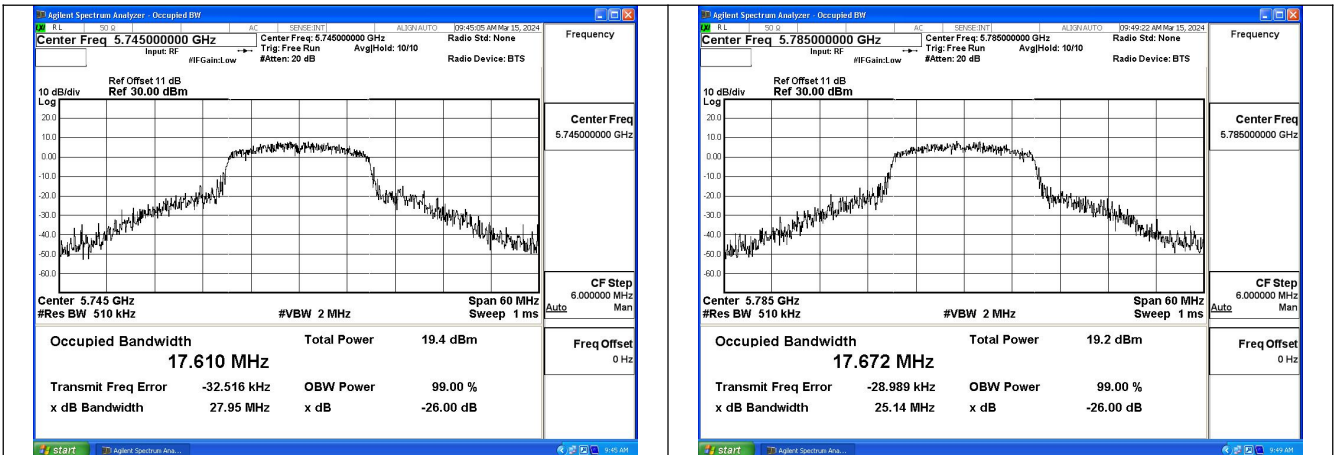


Mode:802.11a Frequency:5825MHz Ant:Chain0

Mode:802.11a Frequency:5745MHz Ant:Chain1

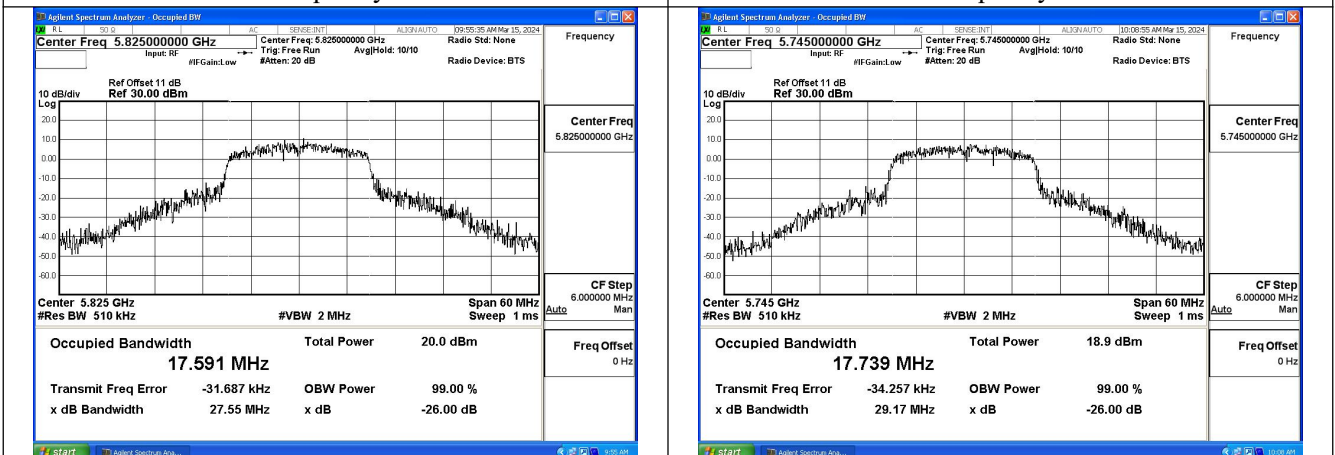


Test Mode: 802.11n HT20



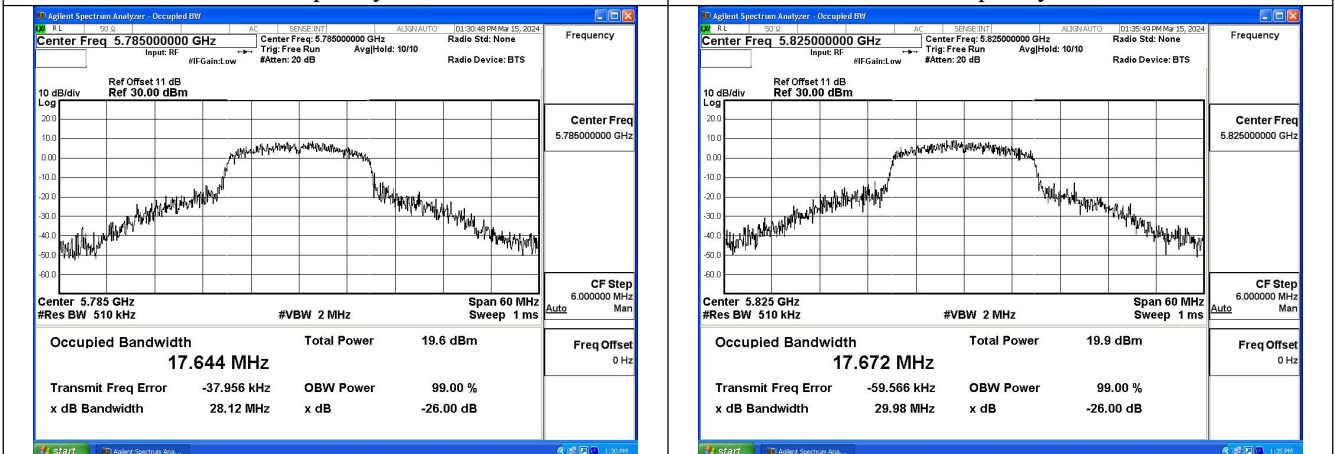
Mode:802.11n HT20 Frequency:5745MHz Ant:Chain0

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



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

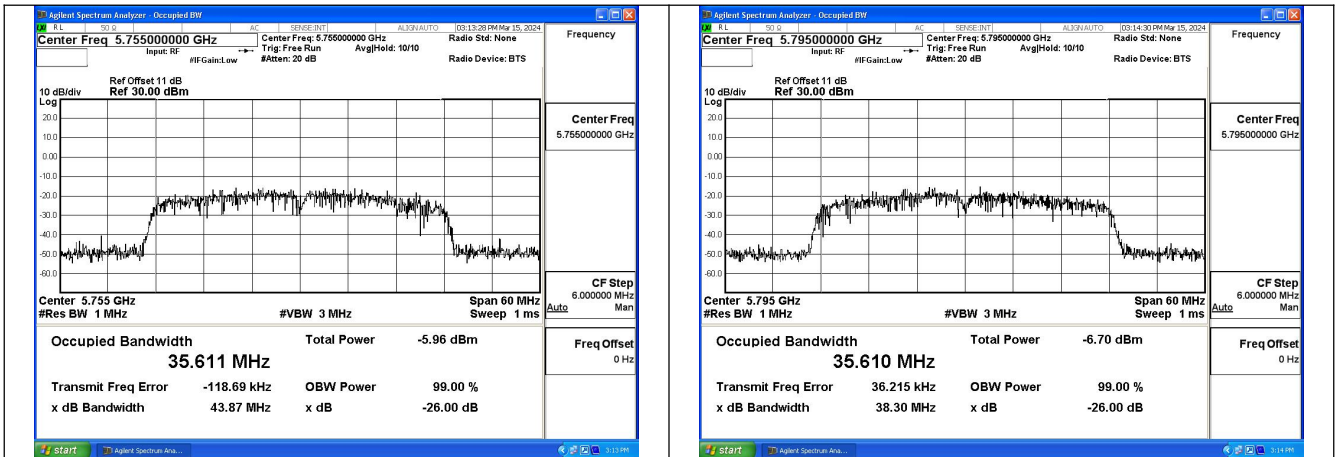
Mode:802.11n HT20 Frequency:5745MHz Ant:Chain1



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

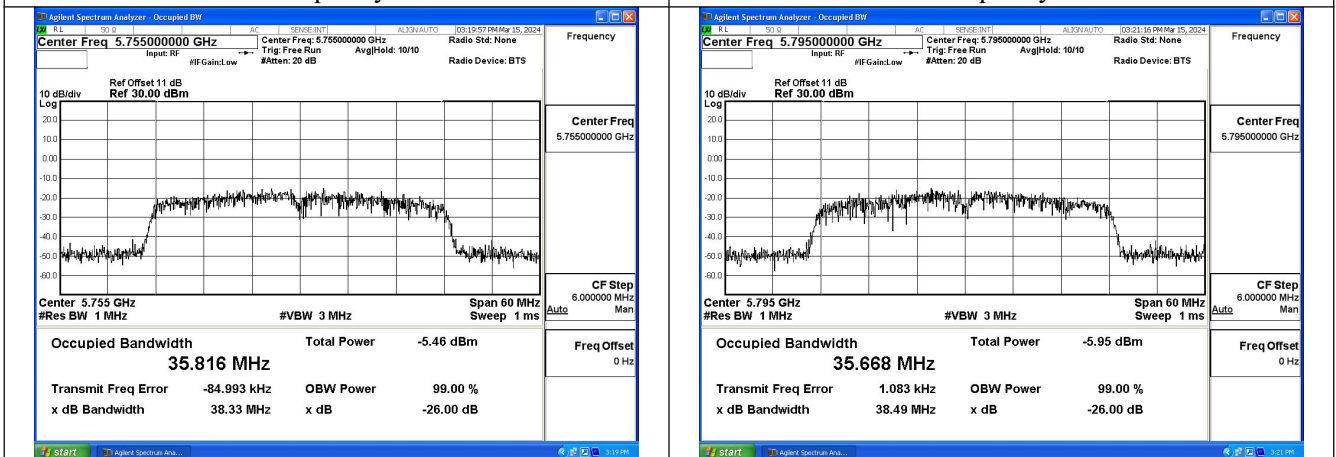
Mode:802.11n HT20 Frequency:5825MHz Ant:Chain1

Test Mode: 802.11n 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

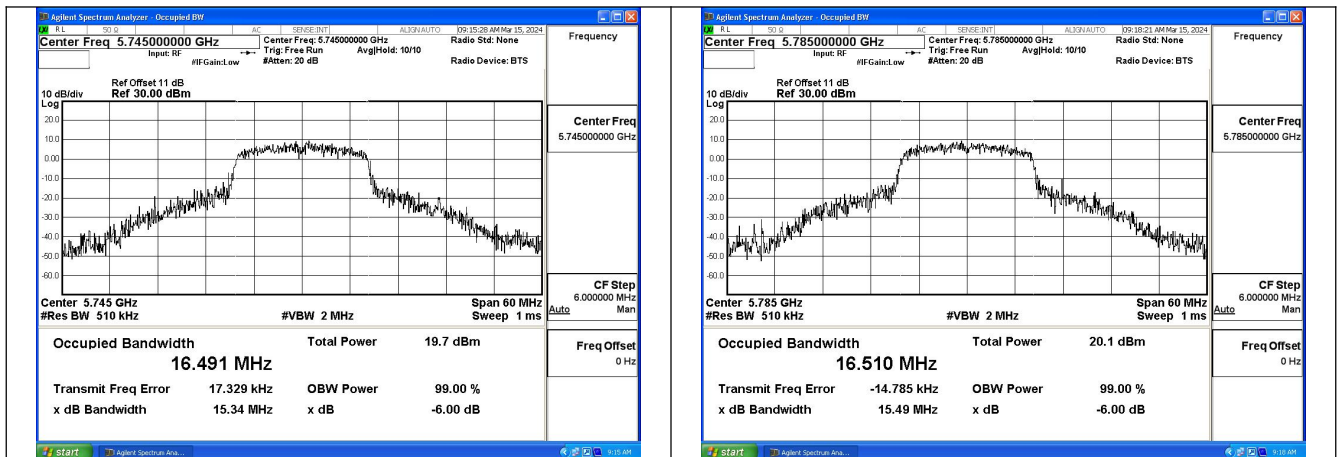
Occupied Bandwidth

Offset 11dB = Attenuator + Temporary antenna connector loss + Cable loss

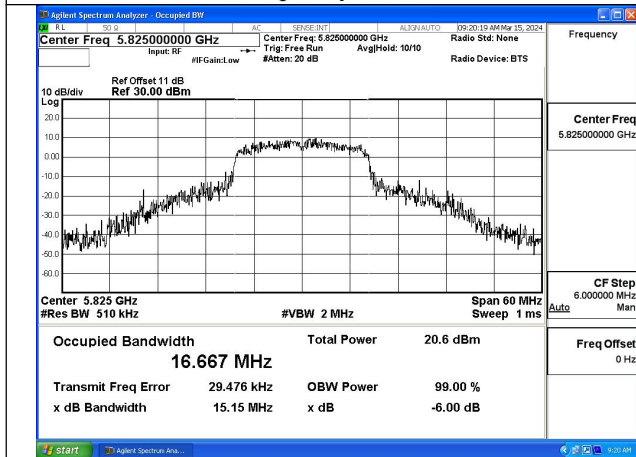
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5745MHz	5785MHz	5825MHz
802.11a	Chain0	16.491	16.510	16.667
802.11a	Chain1	16.607	16.525	16.553
802.11n HT20	Chain0	17.656	17.602	17.685
802.11n HT20	Chain1	17.623	17.566	17.732

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5755MHz	---	5795MHz
802.11n HT40	Chain0	35.819	---	35.846
802.11n HT40	Chain1	35.489	---	35.701

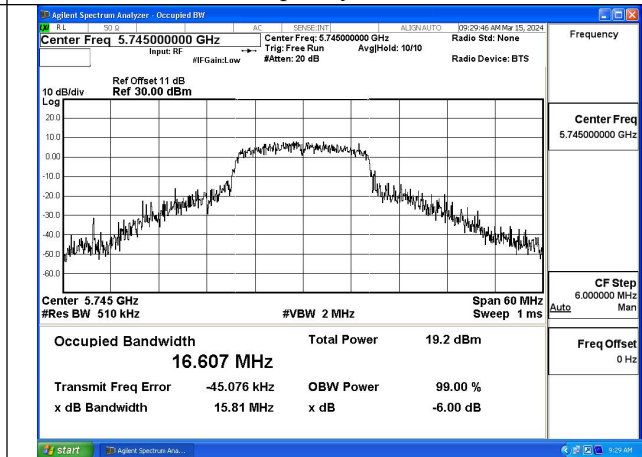
Test Mode: 802.11a



Mode:802.11a Frequency:5745MHz Ant:Chain0

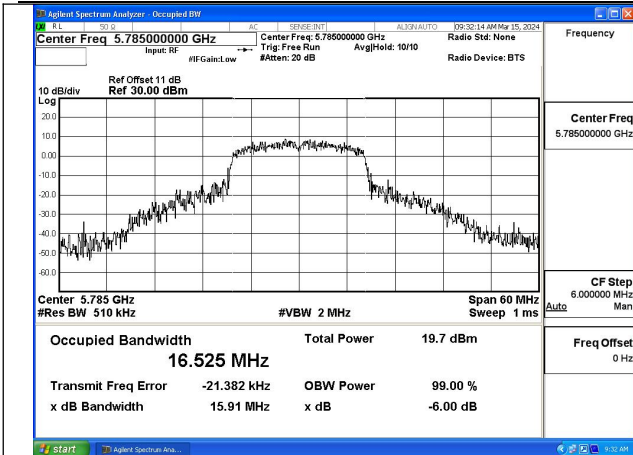


Mode:802.11a Frequency:5785MHz Ant:Chain0

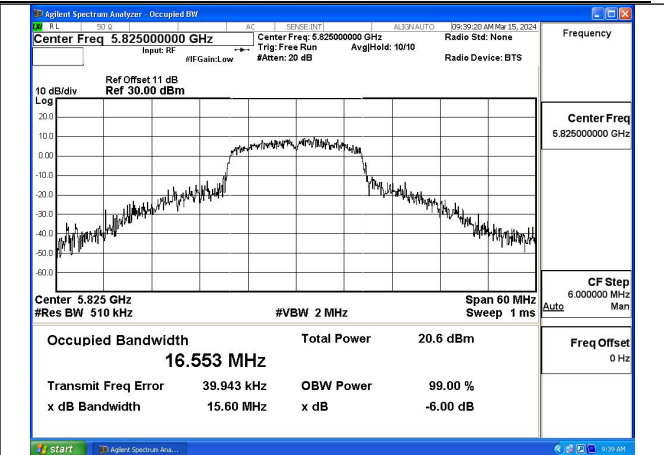


Mode:802.11a Frequency:5825MHz Ant:Chain0

Mode:802.11a Frequency:5745MHz Ant:Chain1

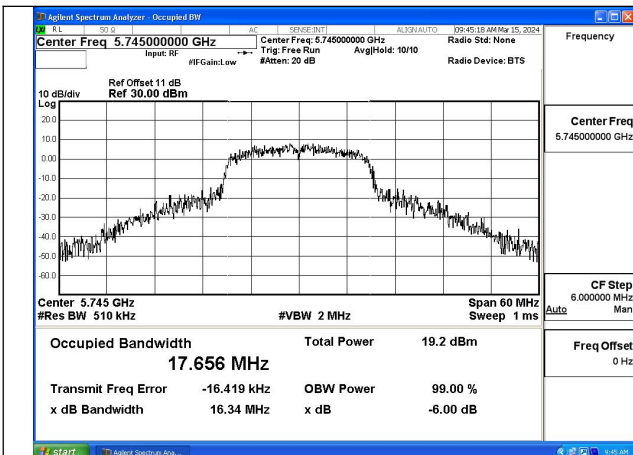


Mode:802.11a Frequency:5785MHz Ant:Chain1

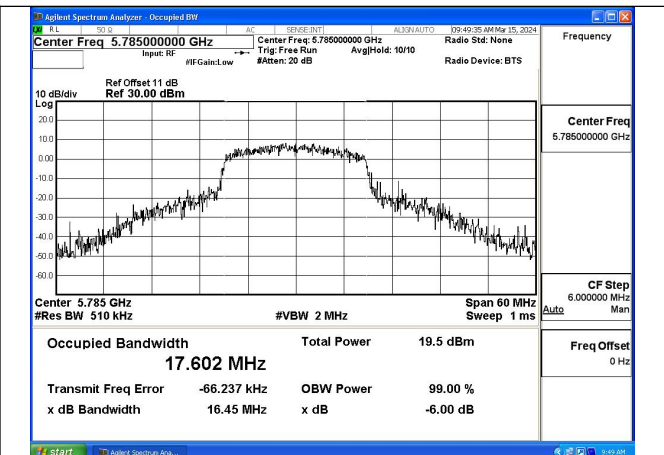


Mode:802.11a Frequency:5825MHz Ant:Chain1

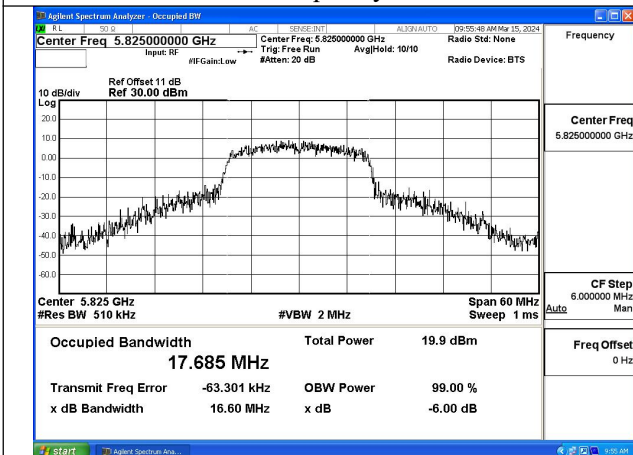
Test Mode: 802.11n HT20



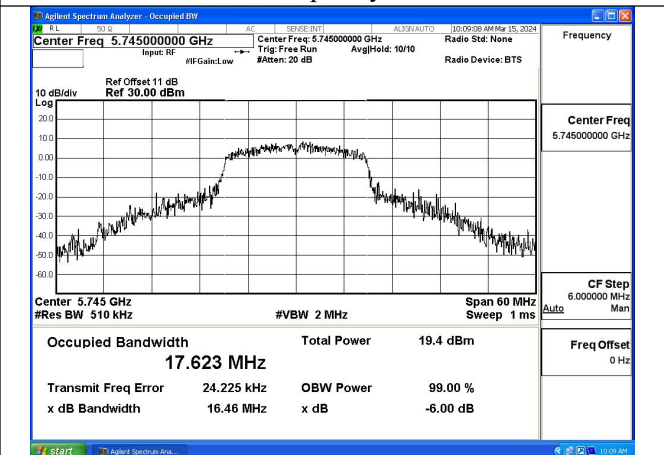
Mode:802.11n HT20 Frequency:5745MHz Ant:Chain0



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



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



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