

Appendix A Conduction Data for 5GHz WIFI

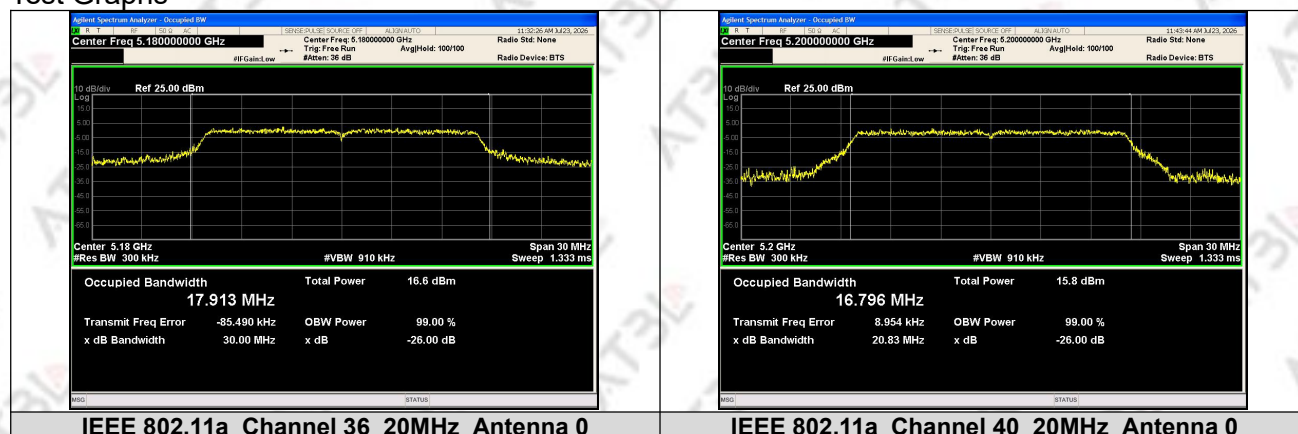
A1.Emission Bandwidth

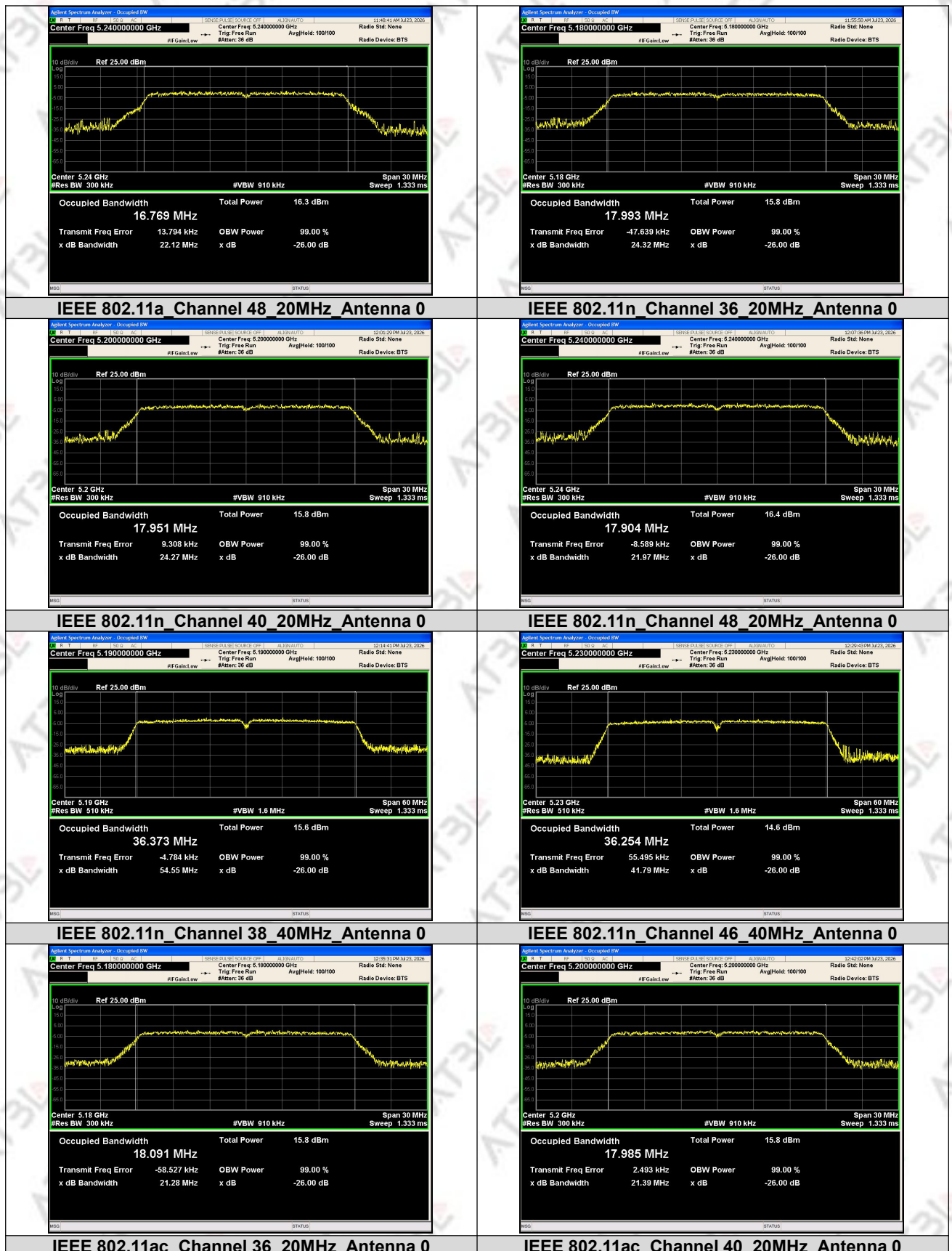
26dB Bandwidth

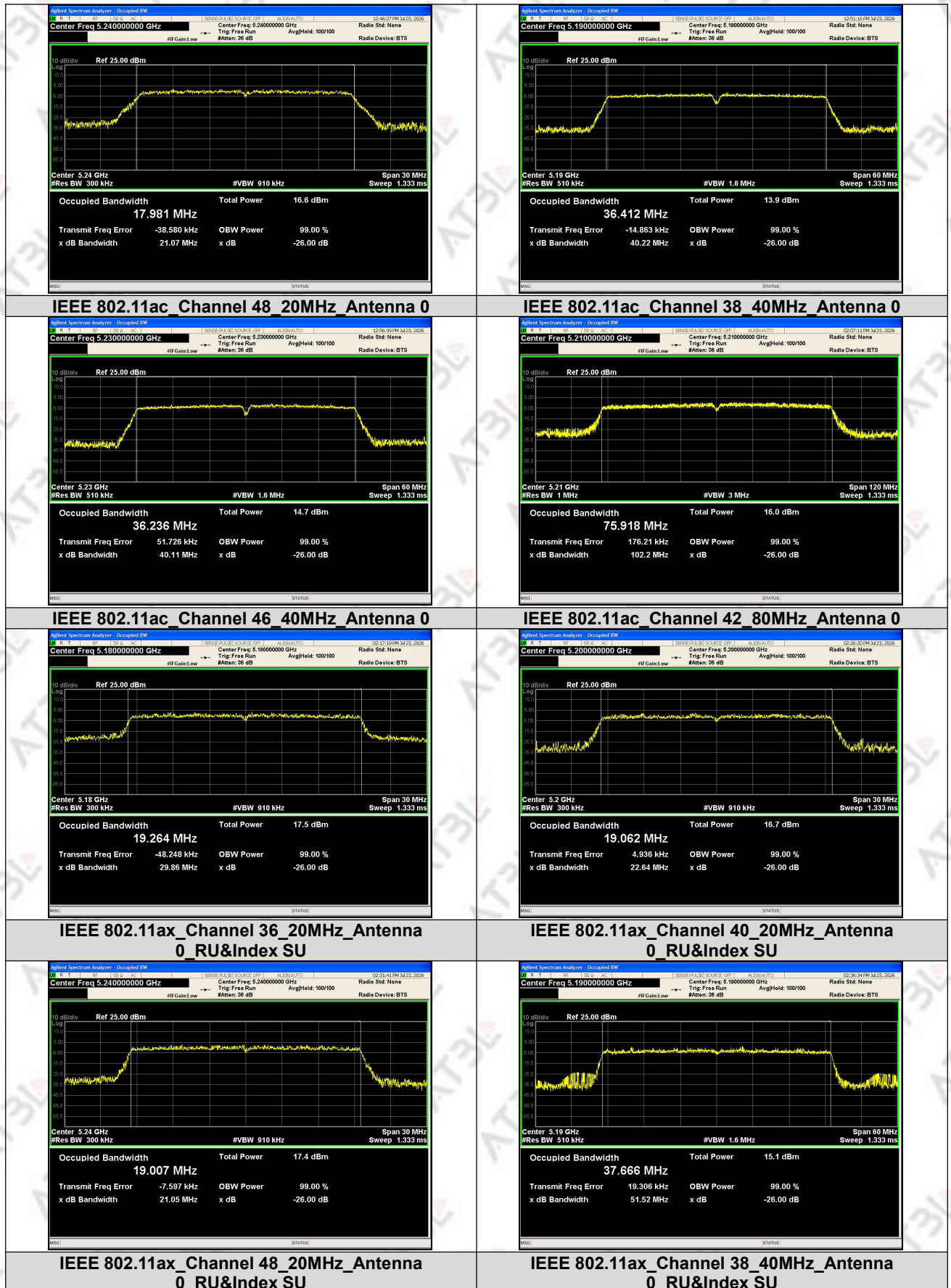
Test Result

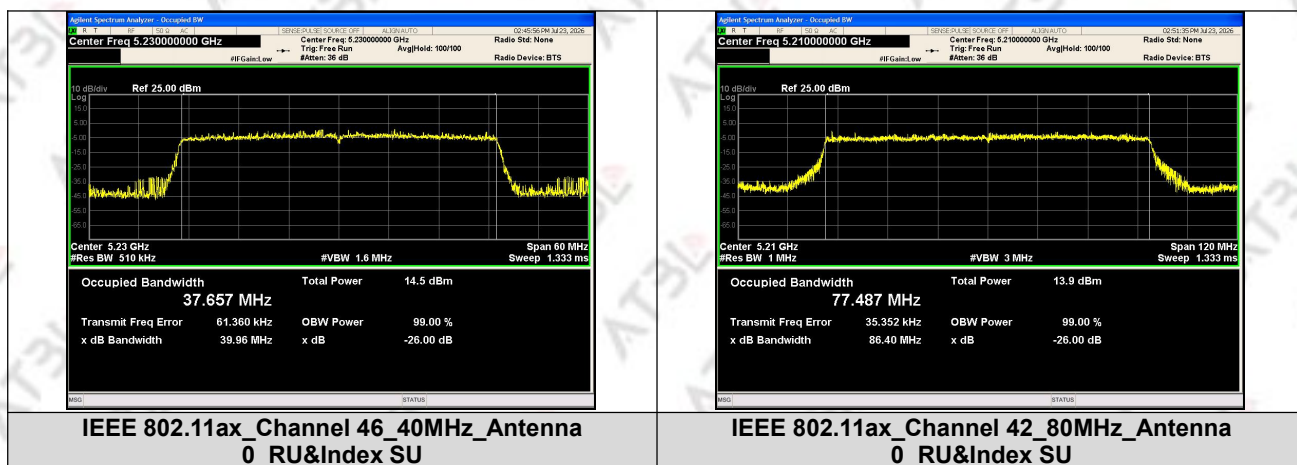
Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)
IEEE 802.11a	36	0	5180.0	30.00
	40		5200.0	20.83
	48		5240.0	22.12
IEEE 802.11n_20	36		5180.0	24.32
	40		5200.0	24.27
	48		5240.0	21.97
IEEE 802.11n_40	38		5190.0	54.55
	46		5230.0	41.79
IEEE 802.11ac_20	36		5180.0	21.28
	40		5200.0	21.39
	48		5240.0	21.07
IEEE 802.11ac_40	38		5190.0	40.22
	46		5230.0	40.11
IEEE 802.11ac_80	42		5210.0	102.20
IEEE 802.11ax_20	36		5180.0	29.86
	40		5200.0	22.64
	48		5240.0	21.05
IEEE 802.11ax_40	38		5190.0	51.52
	46		5230.0	39.96
IEEE 802.11ax_80	42		5210.0	86.40

Test Graphs





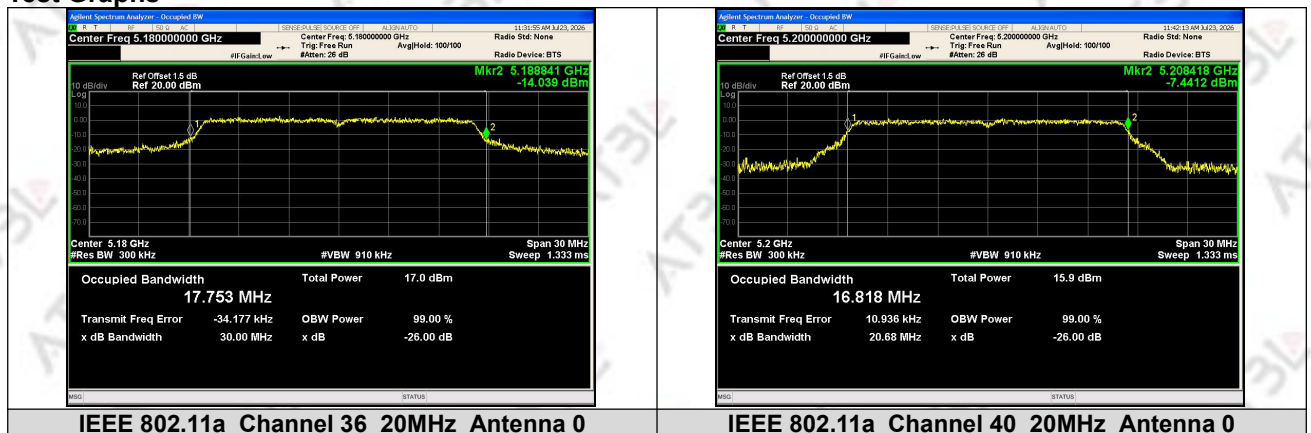


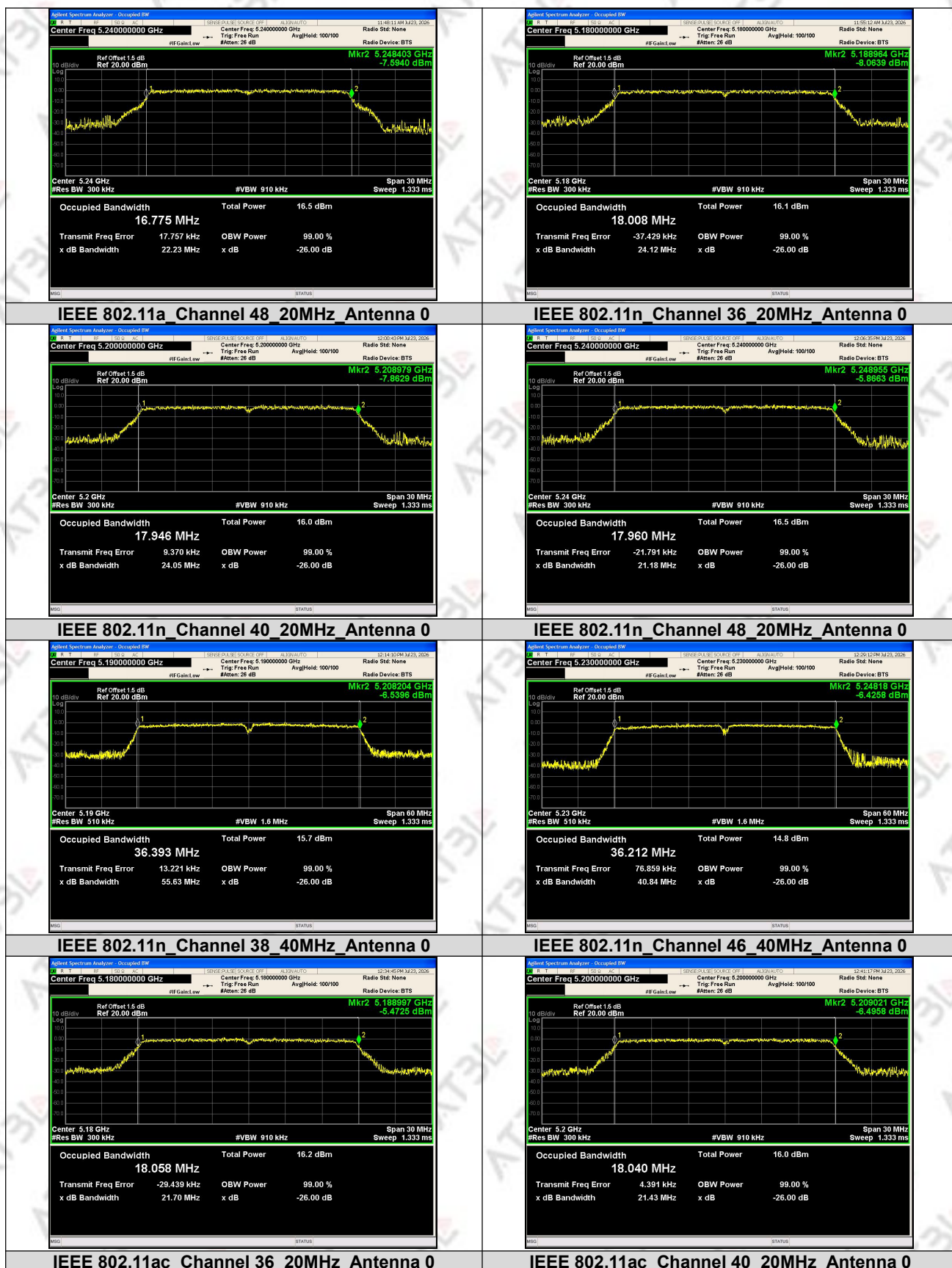


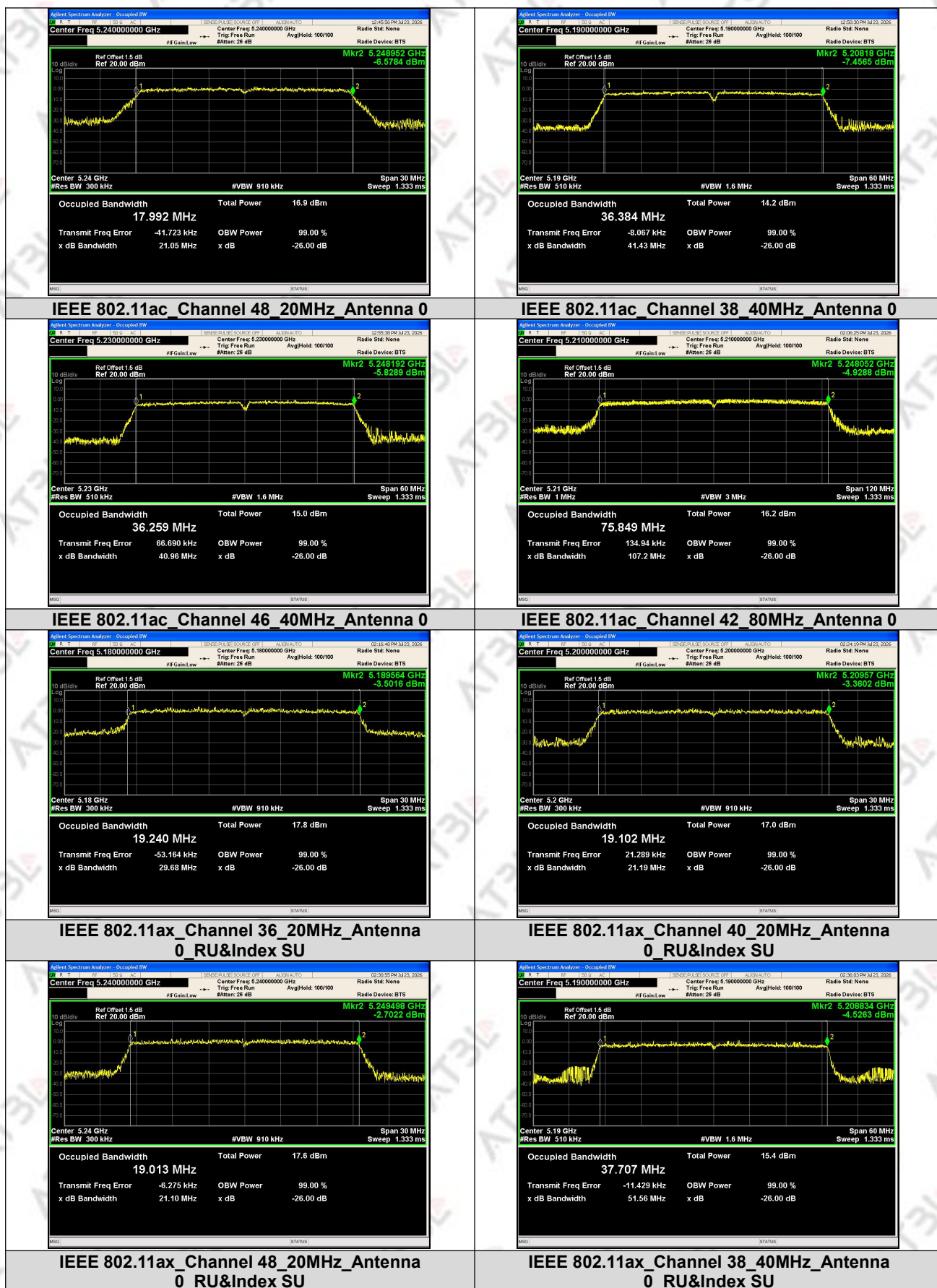
99%dB Bandwidth Test Result

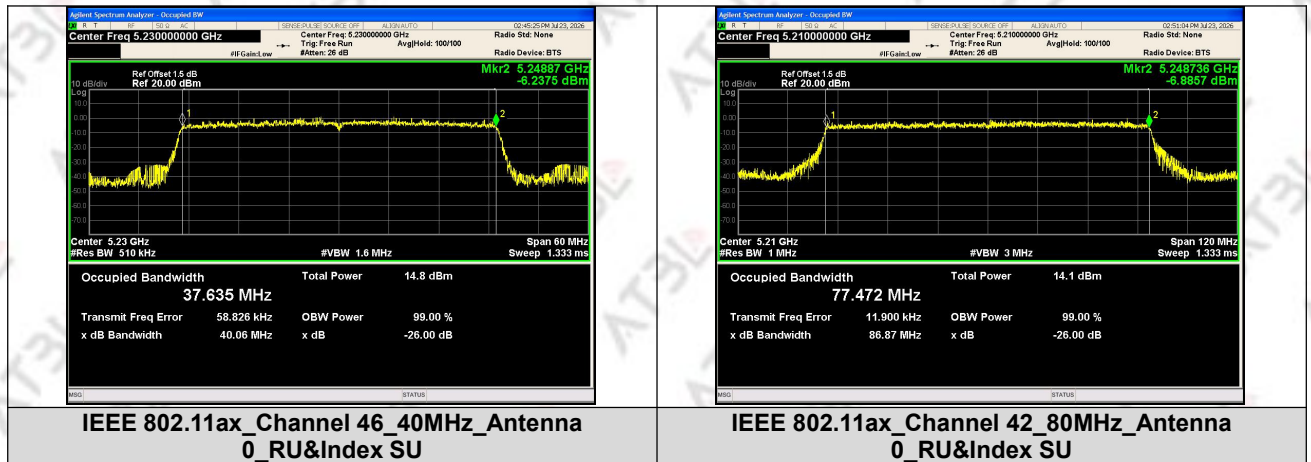
Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	36	0	5180	17.753
	40		5200	16.818
	48		5240	16.775
IEEE 802.11n_20	36		5180	18.008
	40		5200	17.946
	48		5240	17.960
IEEE 802.11n_40	38		5190	36.393
	46		5230	36.212
IEEE 802.11ac_20	36		5180	18.058
	40		5200	18.040
	48		5240	17.992
IEEE 802.11ac_40	38		5190	36.384
	46		5230	36.259
IEEE 802.11ac_80	42		5210	75.849
IEEE 802.11ax_20	36		5180	19.240
	40		5200	19.102
	48		5240	19.013
IEEE 802.11ax_40	38		5190	37.707
	46		5230	37.635
IEEE 802.11ax_80	42		5210	77.472

Test Graphs









A2.Minimum Emission Bandwidth for the band 5.725–5.85 GHz

6dB Bandwidth

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	0	5745	16.18	≥0.5	PASS
	157		5785	16.16		PASS
	165		5825	16.03		PASS
IEEE 802.11n_20	149		5745	17.49		PASS
	157		5785	17.54		PASS
	165		5825	17.49		PASS
IEEE 802.11n_40	151		5755	35.70		PASS
	159		5795	35.79		PASS
IEEE 802.11ac_20	149		5745	17.44		PASS
	157		5785	17.53		PASS
	165		5825	17.53		PASS
IEEE 802.11ac_40	151		5755	35.66		PASS
	159		5795	35.76		PASS
IEEE 802.11ac_80	155		5775	74.11		PASS
IEEE 802.11ax_20	149		5745	18.67		PASS
	157		5785	18.80		PASS
	165		5825	18.83		PASS
IEEE 802.11ax_40	151		5755	36.83		PASS
	159		5795	36.79		PASS
IEEE 802.11ax_80	155		5775	74.80		PASS

Test Graphs

