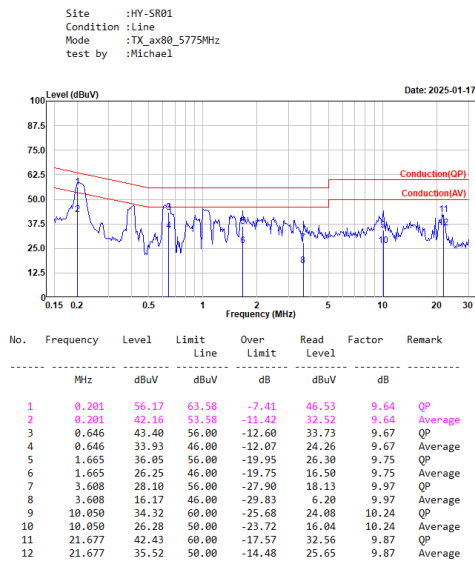
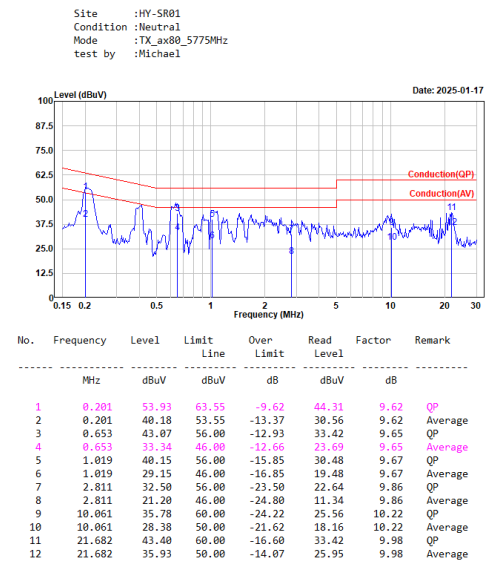


Appendix A. Test Result of AC Power Line Conducted Emission

Model No.: TAP-M310R-NPS-1P1R-US-CT-T

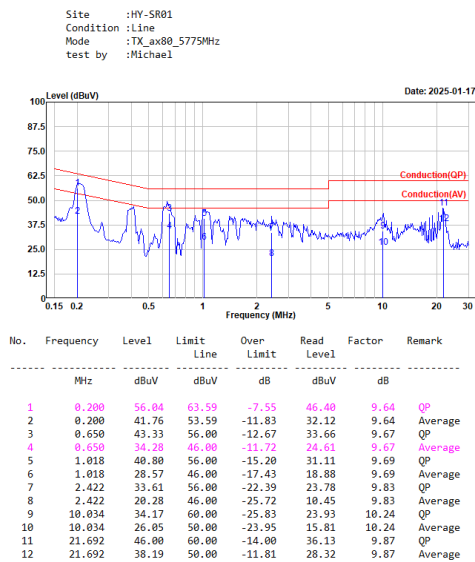


Note:
1. Level = Read Level + Factor
2. Factor = LISN insertion loss + Cable loss
3. Over Limit = Level - Limit Line

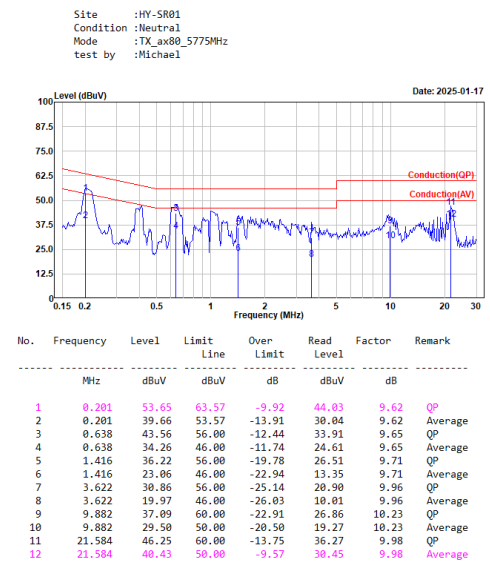


Note:
1. Level = Read Level + Factor
2. Factor = LISN insertion loss + Cable loss
3. Over Limit = Level - Limit Line

Model No.: TAP-M310R-NPS-1R-US-CT-T



Note:
1. Level = Read Level + Factor
2. Factor = LISN insertion loss + Cable loss
3. Over Limit = Level - Limit Line



Note:
1. Level = Read Level + Factor
2. Factor = LISN insertion loss + Cable loss
3. Over Limit = Level - Limit Line

Appendix B. Test Result of Emission Bandwidth

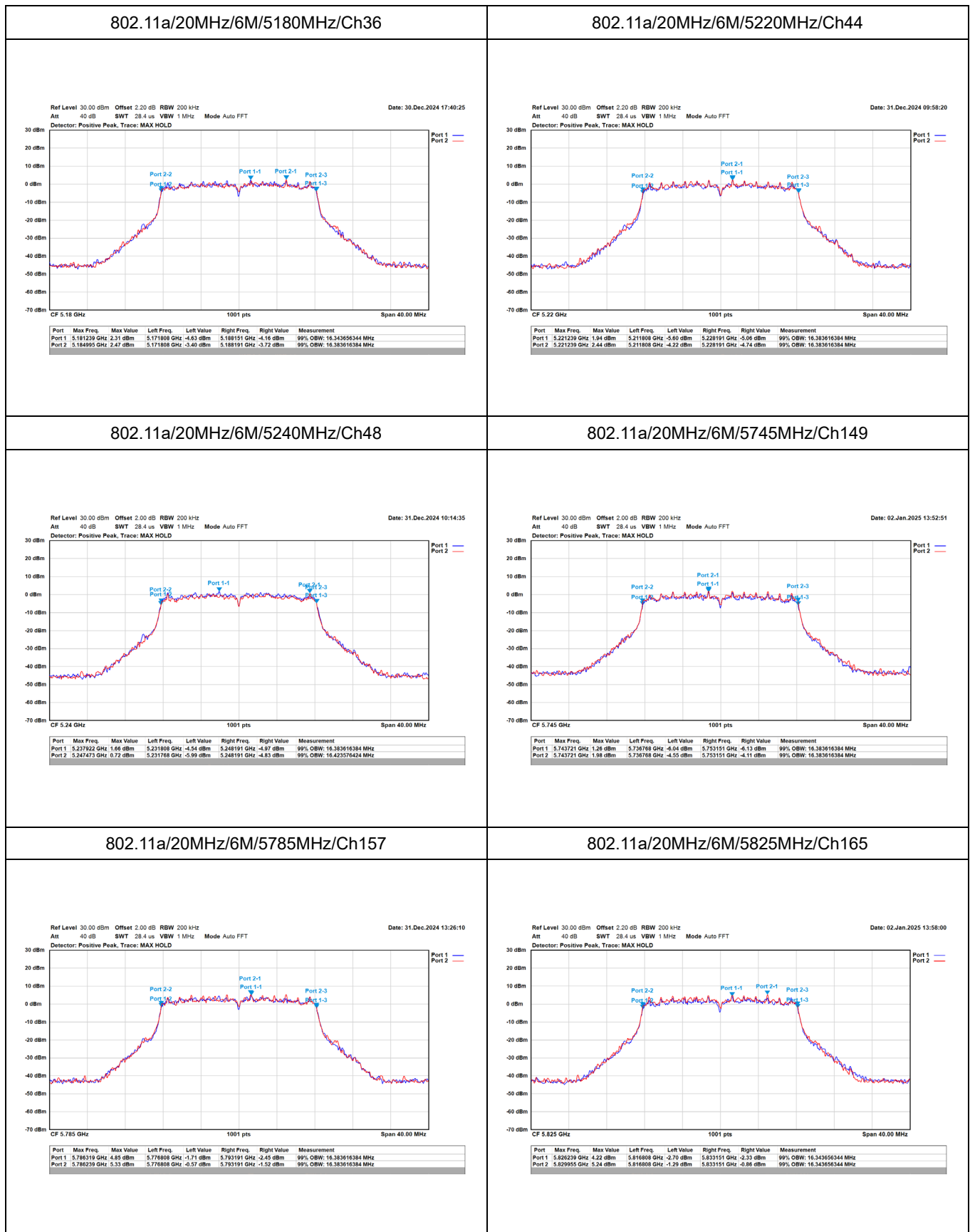
Modulation	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)		Limit (MHz)	
		Ant. 1	Ant. 2	Ant. 1	Ant. 2	99% Occupied Bandwidth & 26dB Bandwidth	
802.11a (20MHz)	5180	16.34	16.38	19.48	19.68	-	
	5220	16.38	16.38	20.12	20.56	-	
	5240	16.38	16.42	19.72	20.60	-	
Modulation	Frequency (MHz)	99% Occupied Bandwidth (MHz)		6dB Bandwidth (MHz)		Limit (MHz)	
		Ant. 1	Ant. 2	Ant. 1	Ant. 2	99% Occupied Bandwidth	6dB Bandwidth
802.11a (20MHz)	5745	16.38	16.38	16.08	16.32	-	0.5
	5785	16.38	16.38	15.64	16.32	-	0.5
	5825	16.34	16.34	15.92	16.04	-	0.5

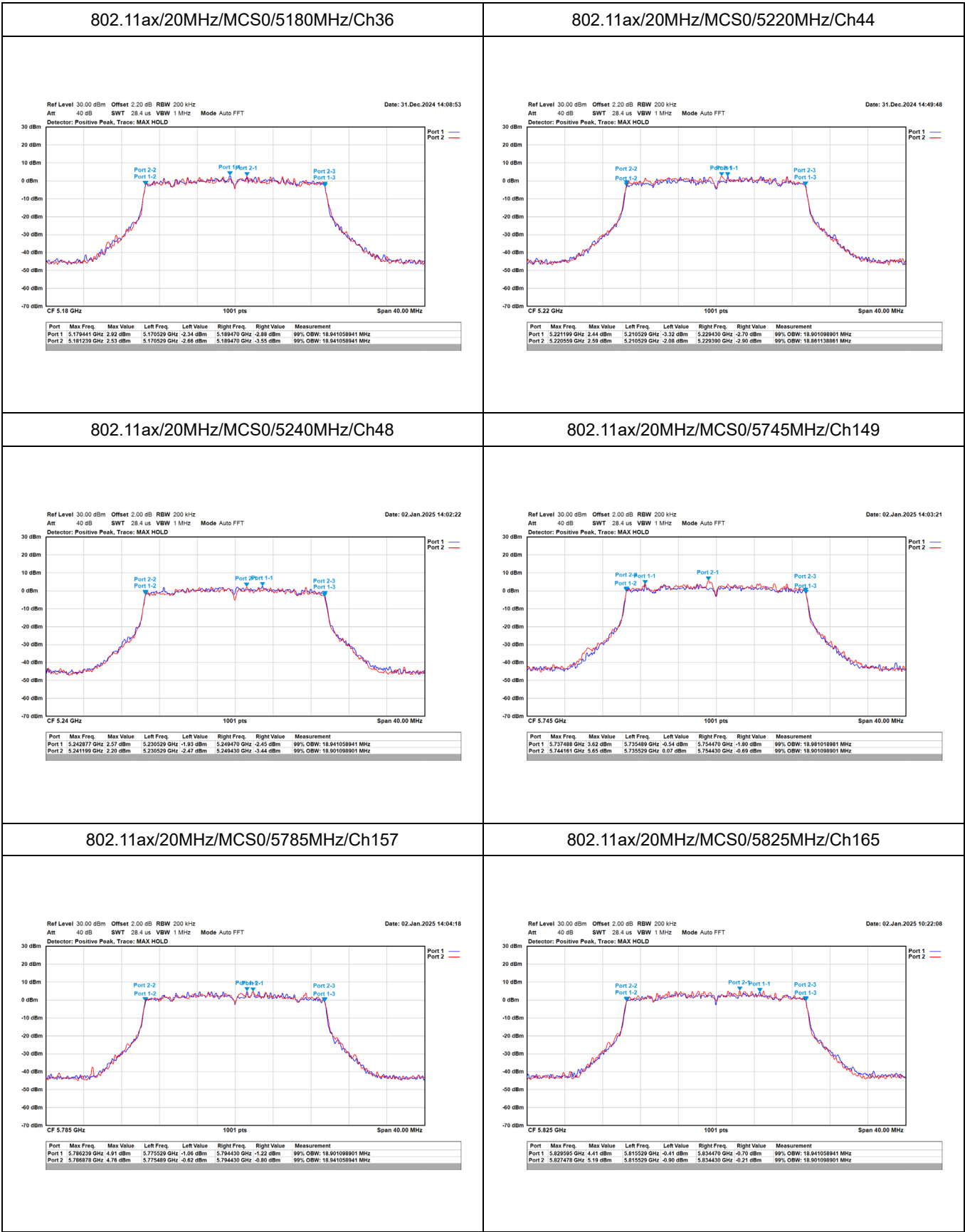
Modulation	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)		Limit (MHz)	
		Ant. 1	Ant. 2	Ant. 1	Ant. 2	99% Occupied Bandwidth & 26dB Bandwidth	
802.11ax (20MHz)	5180	18.94	18.94	21.00	20.80	-	
	5220	18.90	18.86	21.36	21.16	-	
	5240	18.94	18.90	20.88	20.64	-	
Modulation	Frequency (MHz)	99% Occupied Bandwidth (MHz)		6dB Bandwidth (MHz)		Limit (MHz)	
		Ant. 1	Ant. 2	Ant. 1	Ant. 2	99% Occupied Bandwidth	6dB Bandwidth
802.11ax (20MHz)	5745	18.98	18.90	17.64	19.00	-	0.5
	5785	18.90	18.94	16.32	19.00	-	0.5
	5825	18.94	18.90	18.00	17.88	-	0.5

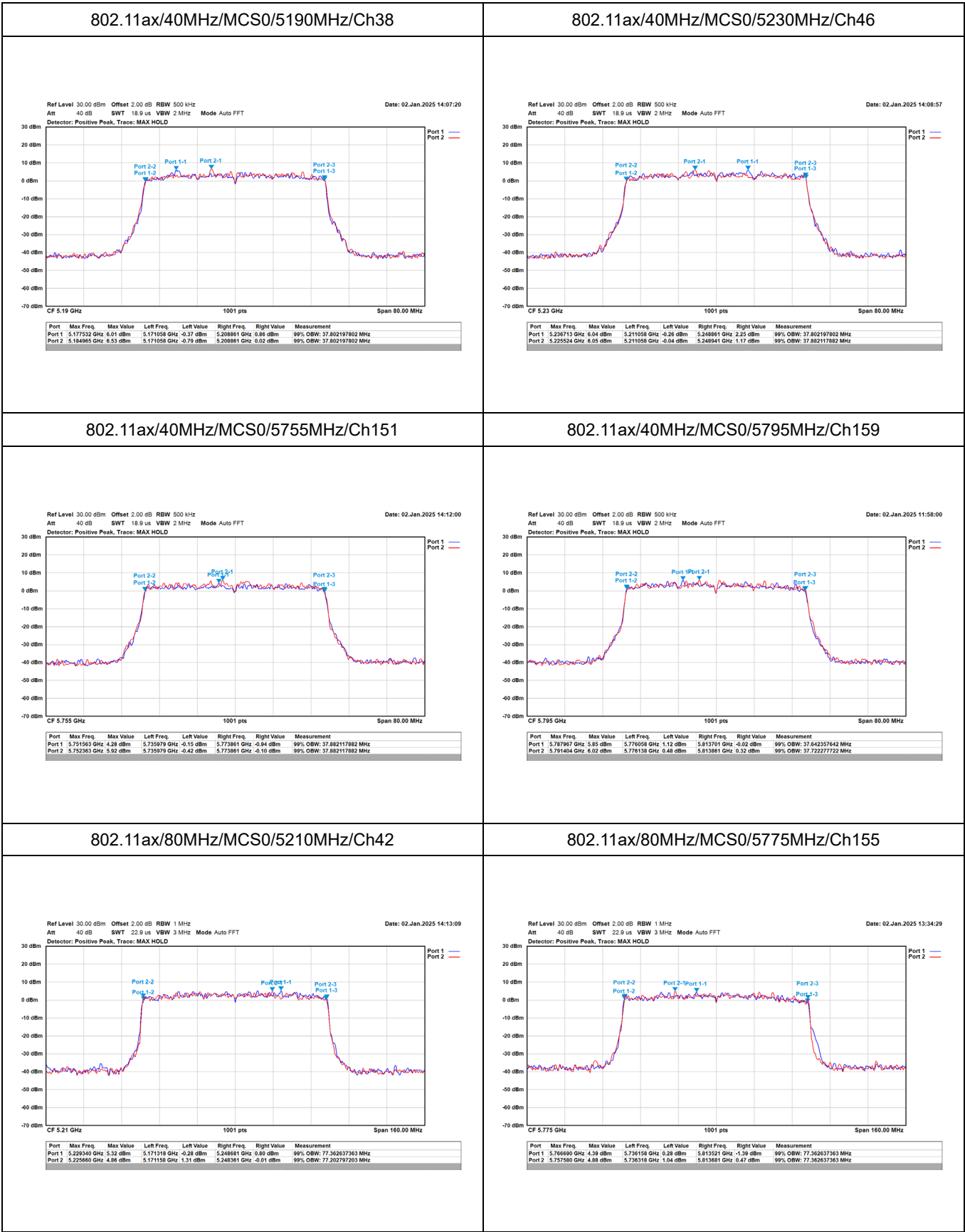
Modulation	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)		Limit (MHz)	
		Ant. 1	Ant. 2	Ant. 1	Ant. 2	99% Occupied Bandwidth & 26dB Bandwidth	
802.11ax (40MHz)	5190	37.80	37.80	40.24	40.56	-	
	5230	37.80	37.88	40.64	40.16	-	
Modulation	Frequency (MHz)	99% Occupied Bandwidth (MHz)		6dB Bandwidth (MHz)		Limit (MHz)	
		Ant. 1	Ant. 2	Ant. 1	Ant. 2	99% Occupied Bandwidth	6dB Bandwidth
802.11ax (40MHz)	5755	37.88	37.88	37.44	36.48	-	0.5
	5795	37.64	37.72	36.40	36.32	-	0.5

Modulation	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)		Limit (MHz)	
		Ant. 1	Ant. 2	Ant. 1	Ant. 2	99% Occupied Bandwidth & 26dB Bandwidth	
802.11ax (80MHz)	5210	77.36	77.20	80.80	81.12	-	
Modulation	Frequency (MHz)	99% Occupied Bandwidth (MHz)		6dB Bandwidth (MHz)		Limit (MHz)	
		Ant. 1	Ant. 2	Ant. 1	Ant. 2	99% Occupied Bandwidth	6dB Bandwidth
802.11ax (80MHz)	5775	77.36	77.36	70.24	70.24	-	0.5

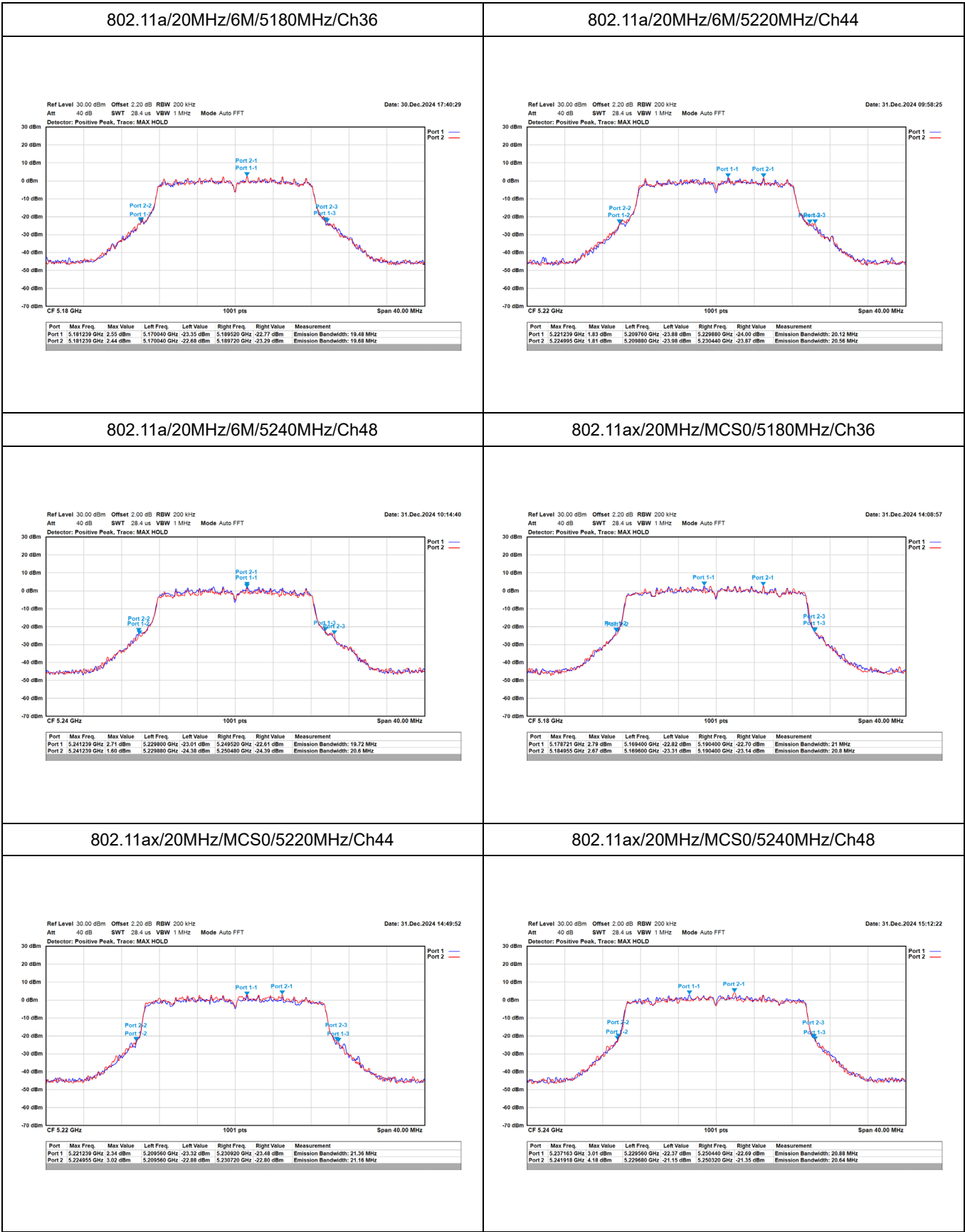
For 99% Occupied Bandwidth:



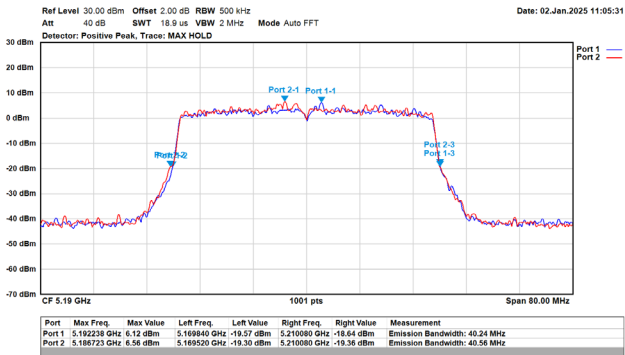




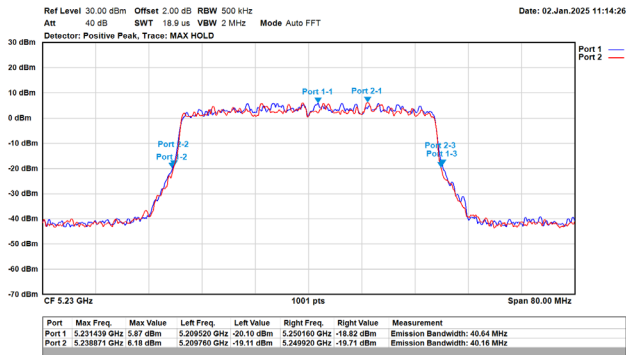
For 26dB Bandwidth:



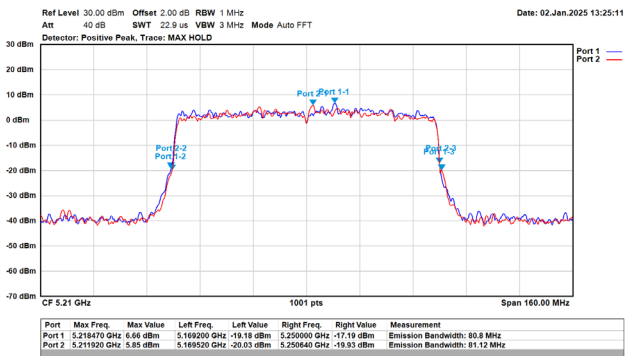
802.11ax/40MHz/MCS0/5190MHz/Ch38



802.11ax/40MHz/MCS0/5230MHz/Ch46

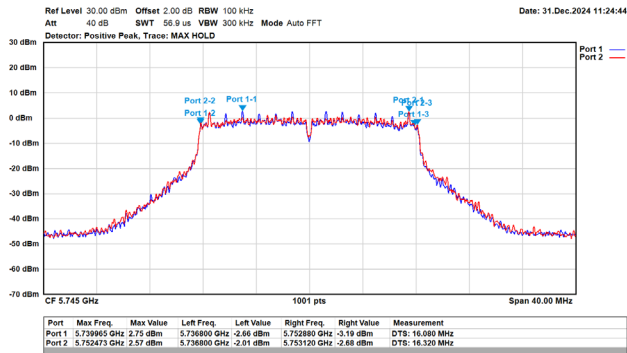


802.11ax/80MHz/MCS0/5210MHz/Ch42

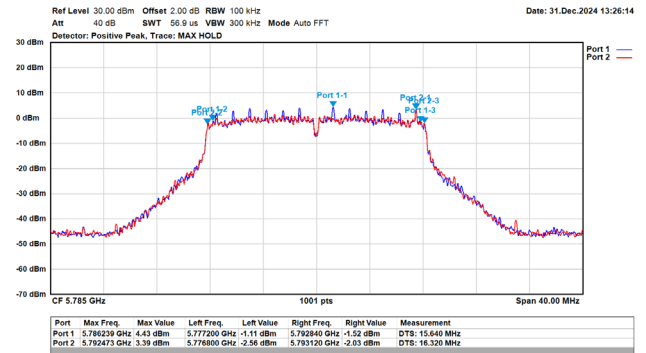


For 6dB Bandwidth:

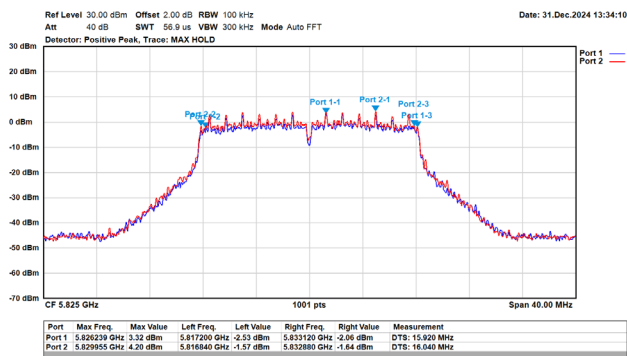
802.11a/20MHz/6M/5745MHz/Ch149



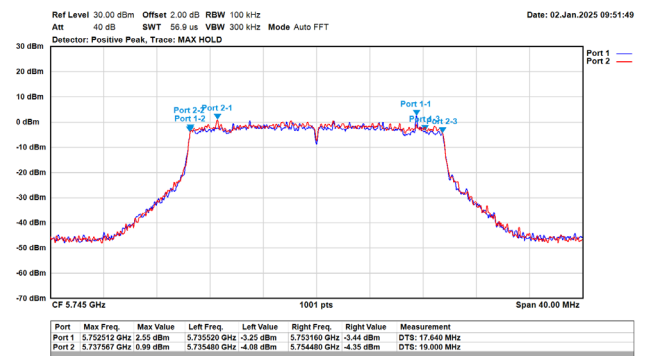
802.11a/20MHz/6M/5785MHz/Ch157



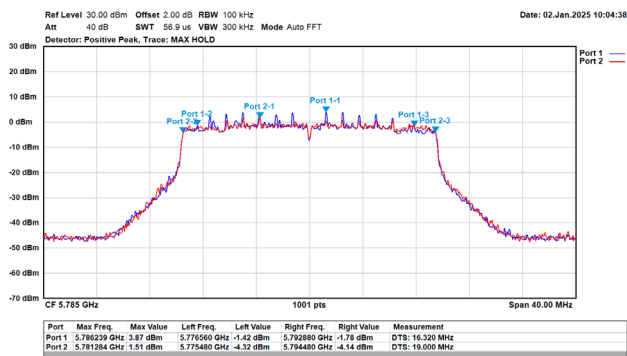
802.11a/20MHz/6M/5825MHz/Ch165



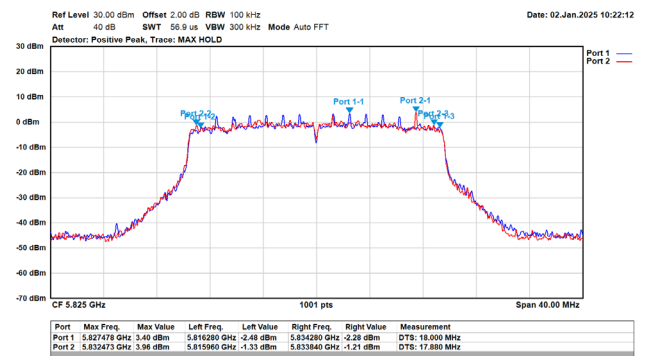
802.11ax/20MHz/MCS0/5745MHz/Ch149

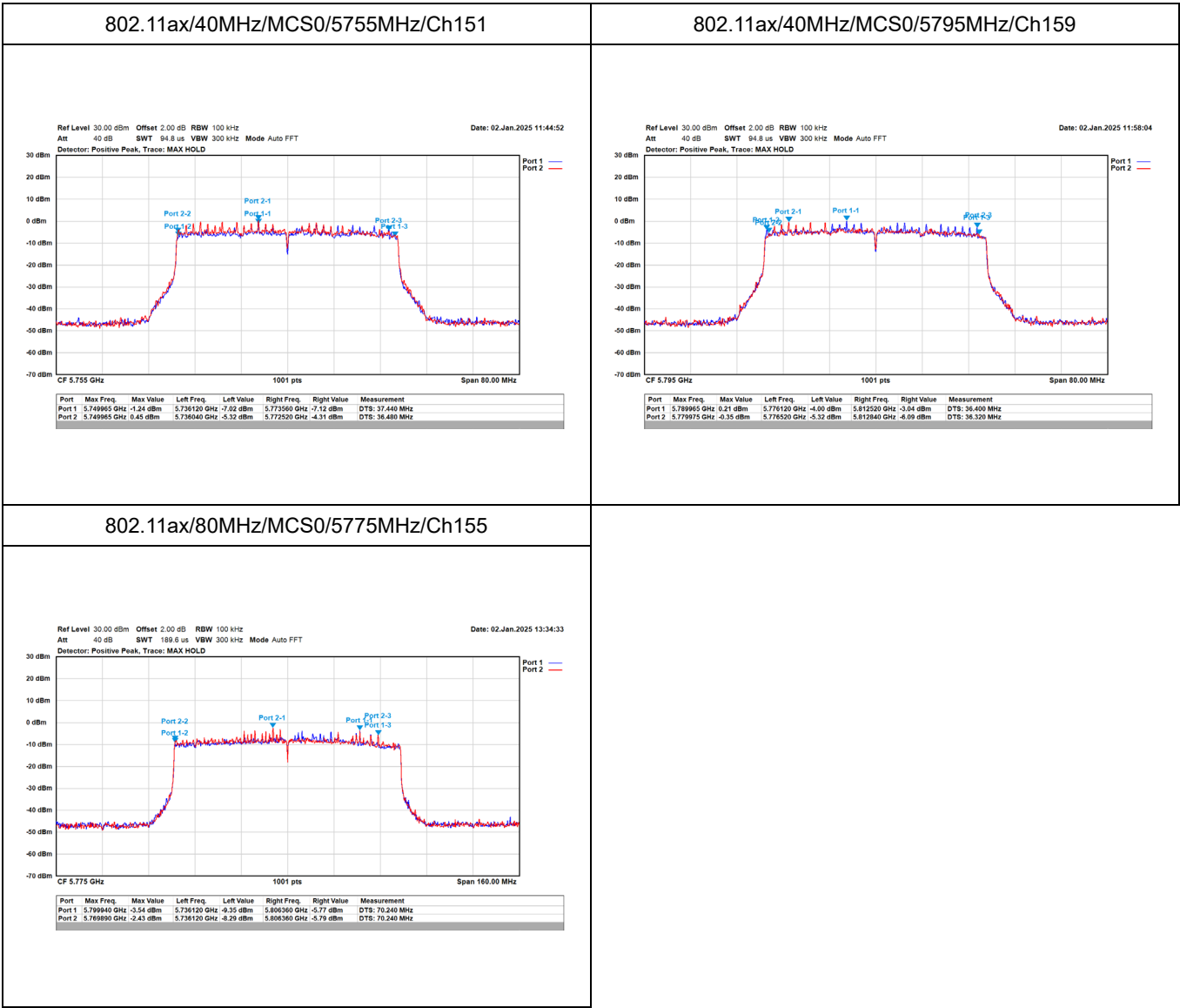


802.11ax/20MHz/MCS0/5785MHz/Ch157



802.11ax/20MHz/MCS0/5825MHz/Ch165





Appendix C. Test Result of Maximum Conducted Output Power

Master mode

Modulation	Frequency (MHz)	Maximum Conducted Output Power (dBm)			Limit (dBm)	Result
		Ant. 1	Ant. 2	Total		
802.11a (20MHz)	5180	13.96	13.73	16.86	19.62	Pass
	5220	13.84	13.15	16.52	19.62	Pass
	5240	13.94	13.49	16.73	19.62	Pass
	5745	16.21	15.42	18.84	19.06	Pass
	5785	16.27	15.74	19.02	19.06	Pass
	5825	16.02	15.87	18.96	19.06	Pass
802.11ax (20MHz)	5180	14.26	13.29	16.81	19.62	Pass
	5220	14.79	13.70	17.29	19.62	Pass
	5240	14.23	13.59	16.93	19.62	Pass
	5745	16.28	15.33	18.84	19.06	Pass
	5785	16.44	15.35	18.94	19.06	Pass
	5825	16.15	15.52	18.86	19.06	Pass
802.11ax (40MHz)	5190	15.88	14.68	18.33	19.62	Pass
	5230	15.63	14.55	18.13	19.62	Pass
	5755	15.64	15.86	18.76	19.06	Pass
	5795	16.21	15.71	18.98	19.06	Pass
802.11ax (80MHz)	5210	15.39	14.67	18.06	19.62	Pass
	5775	15.92	15.38	18.67	19.06	Pass

Note: Total Output Power (dBm) = 10*log (Ant. 1 (mW)+ Ant. 2 (mW)).

Slave mode

Modulation	Frequency (MHz)	Maximum Conducted Output Power (dBm)			Limit (dBm)	Result
		Ant. 1	Ant. 2	Total		
802.11a (20MHz)	5180	7.40	6.45	9.96	13.62	Pass
	5220	8.05	7.93	11.00	13.62	Pass
	5240	7.55	7.39	10.48	13.62	Pass
	5745	16.21	15.42	18.84	19.06	Pass
	5785	16.27	15.74	19.02	19.06	Pass
	5825	16.02	15.87	18.96	19.06	Pass
802.11ax (20MHz)	5180	7.23	6.05	9.69	13.62	Pass
	5220	8.64	8.68	11.67	13.62	Pass
	5240	8.66	7.43	11.10	13.62	Pass
	5745	16.28	15.33	18.84	19.06	Pass
	5785	16.44	15.35	18.94	19.06	Pass
	5825	16.15	15.52	18.86	19.06	Pass
802.11ax (40MHz)	5190	10.74	10.28	13.53	13.62	Pass
	5230	10.51	10.33	13.43	13.62	Pass
	5755	15.64	15.86	18.76	19.06	Pass
	5795	16.21	15.71	18.98	19.06	Pass
802.11ax (80MHz)	5210	10.66	10.42	13.55	13.62	Pass
	5775	15.92	15.38	18.67	19.06	Pass

Note: Total Output Power (dBm) = $10 \cdot \log(\text{Ant. 1 (mW)} + \text{Ant. 2 (mW)})$.

Appendix D. Test Result of Maximum Power Spectral Density

Master mode

Modulation	Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result
		Ant. 1	Ant. 2	Total		
802.11a (20MHz)	5180	0.48	0.60	3.49	3.61	Pass
	5220	0.46	0.36	3.48	3.61	Pass
	5240	0.47	0.47	3.49	3.61	Pass
802.11ax (20MHz)	5180	0.51	0.21	3.26	3.61	Pass
	5220	0.95	0.14	3.33	3.61	Pass
	5240	0.67	0.17	3.45	3.61	Pass
802.11ax (40MHz)	5190	-0.75	-0.63	2.26	3.61	Pass
	5230	-0.19	-0.96	2.49	3.61	Pass
802.11ax (80MHz)	5210	-3.05	-3.27	-0.15	3.61	Pass

Note: Trace bin-by-bin of each transmits port summing can be performed maximum power density.

Modulation	Frequency (MHz)	Power Spectral Density (dBm/500kHz)			Limit (dBm/500kHz)	Result
		Ant. 1	Ant. 2	Total		
802.11a (20MHz)	5745	-0.64	0.33	2.96	16.05	Pass
	5785	0.17	0.61	3.51	16.05	Pass
	5825	-0.51	0.46	2.97	16.05	Pass
802.11ax (20MHz)	5745	-1.04	-0.43	2.22	16.05	Pass
	5785	-0.65	-0.20	2.62	16.05	Pass
	5825	-0.54	-0.81	2.37	16.05	Pass
802.11ax (40MHz)	5755	-4.38	-3.52	-1.18	16.05	Pass
	5795	-2.92	-3.56	-0.31	16.05	Pass
802.11ax (80MHz)	5775	-6.78	-6.94	-3.83	16.05	Pass

Note: Trace bin-by-bin of each transmits port summing can be performed maximum power density.

