

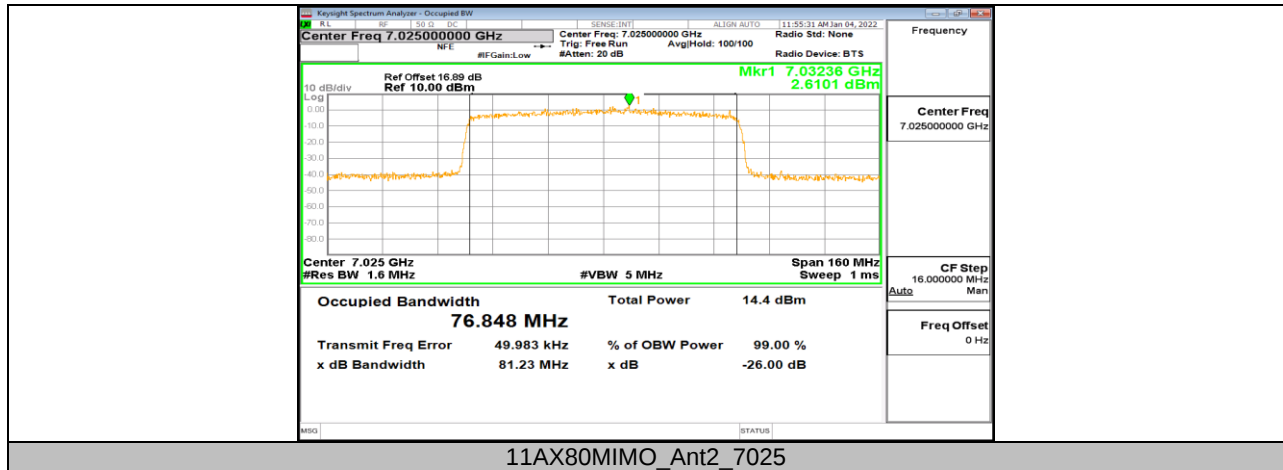














12.3. Appendix B: Duty Cycle

12.3.1. Test Result

Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11AX20MIMO	0.56	0.916	0.6114	61.14	2.14	1.79	2
11AX40MIMO	0.32	0.705	0.4539	45.39	3.43	3.13	3.3
11AX80MIMO	0.196	0.5785	0.3388	33.88	4.70	5.10	5.1

Note:

Duty Cycle Correction Factor= $10\log(1/x)$.

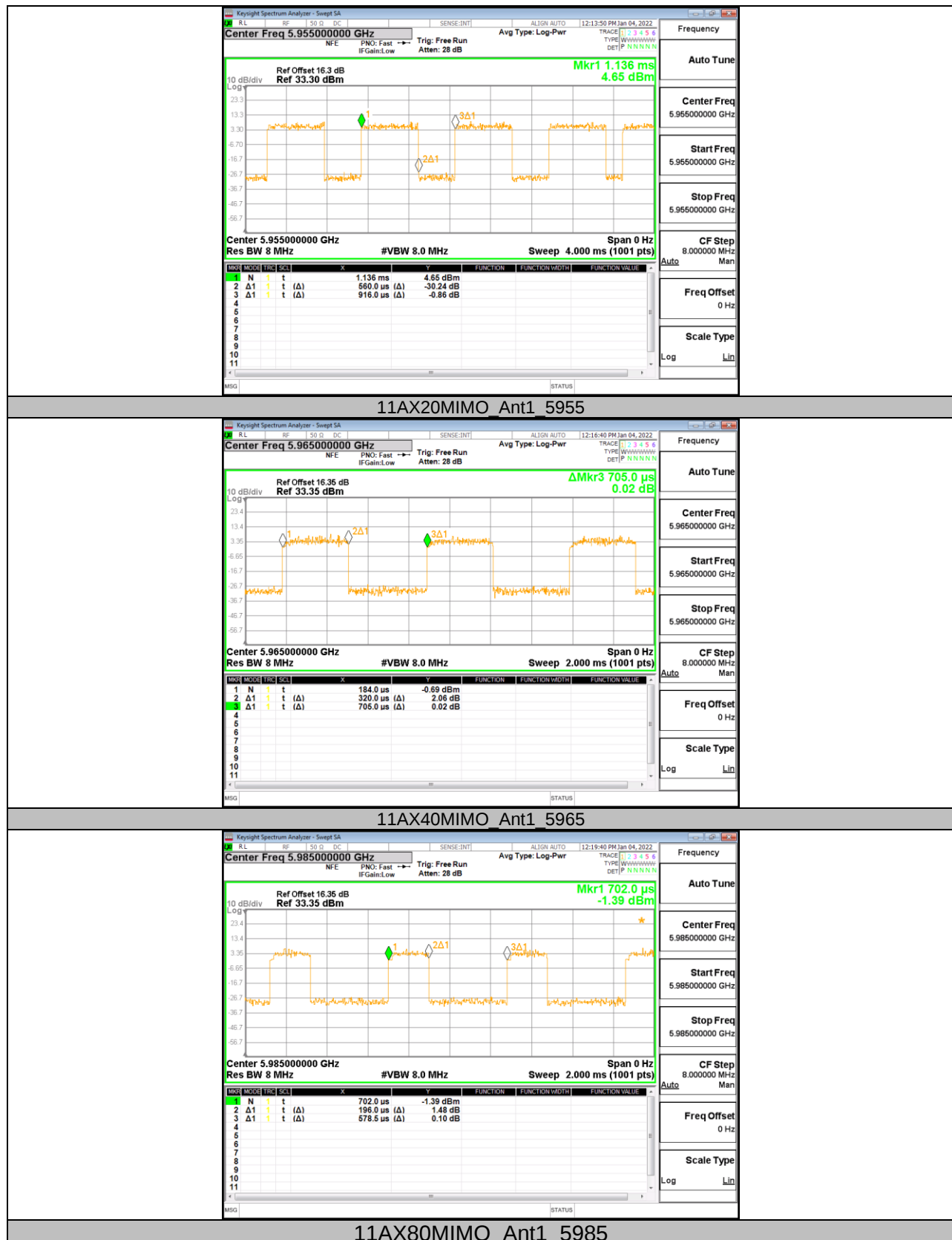
Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.



12.3.2. Test Graphs



**12.4. Appendix C: Maximum Average Conducted Output Power****12.4.1. STBC/SDM Mode Test Result**

Mode	Frequency (MHz)	Conducted AVG Output Power (dBm)			EIRP POWER (dBm)	Directional gain (dBi)	Limit (dBm)
		ANT1	ANT2	Total			
802.11ax HE20	5955	0.70	1.52	4.14	8.14	4	24
	6175	0.97	1.66	4.34	8.34	4	24
	6415	0.43	1.29	3.89	7.89	4	24
	6435	0.37	1.24	3.84	7.84	4	24
	6475	0.47	1.05	3.78	7.78	4	24
	6515	0.73	1.00	3.88	7.88	4	24
	6535	0.96	1.39	4.19	8.19	4	24
	6715	0.82	0.43	3.64	7.64	4	24
	6855	0.44	1.33	3.92	7.92	4	24
	6875	0.13	0.93	3.56	7.56	4	24
	7015	1.16	1.17	4.18	8.18	4	24
	7115	0.82	-0.10	3.39	7.39	4	24
802.11ax HE40	5965	1.08	2.39	4.79	8.79	4	24
	6165	1.36	2.31	4.87	8.87	4	24
	6405	0.68	2.14	4.48	8.48	4	24
	6445	0.66	1.95	4.36	8.36	4	24
	6485	0.80	1.92	4.41	8.41	4	24
	6525	0.82	1.86	4.38	8.38	4	24
	6565	1.48	1.83	4.67	8.67	4	24
	6725	1.35	1.72	4.55	8.55	4	24
	6845	1.66	2.81	5.28	9.28	4	24
	6885	0.80	2.19	4.56	8.56	4	24
	7005	1.17	1.91	4.57	8.57	4	24
	7085	1.97	2.10	5.05	9.05	4	24
802.11ax HE80	5985	3.26	4.27	6.80	10.80	4	24
	6145	3.30	4.00	6.67	10.67	4	24
	6385	2.39	3.62	6.06	10.06	4	24
	6465	2.94	3.84	6.42	10.42	4	24
	6545	3.05	3.66	6.38	10.38	4	24
	6625	3.24	3.22	6.24	10.24	4	24
	6705	2.05	3.39	5.78	9.78	4	24
	6785	2.16	3.80	6.07	10.07	4	24
	6865	2.80	4.71	6.87	10.87	4	24
	6945	2.48	4.01	6.32	10.32	4	24
	7025	2.66	3.57	6.15	10.15	4	24

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

**12.4.1. CDD Mode Test Result**

Mode	Frequency (MHz)	Conducted AVG Output Power (dBm)			EIRP POWER (dBm)	Directional gain (dBi)	Limit (dBm)
		ANT1	ANT2	Total			
802.11ax HE20	5955	-4.84	-3.38	-1.04	2.96	4.00	24
	6175	-4.43	-3.15	-0.73	3.27	4.00	24
	6415	-4.80	-2.95	-0.77	3.23	4.00	24
	6435	-5.44	-3.34	-1.25	2.75	4.00	24
	6475	-4.85	-3.15	-0.91	3.09	4.00	24
	6515	-4.71	-2.97	-0.74	3.26	4.00	24
	6535	-4.53	-2.88	-0.62	3.38	4.00	24
	6715	-4.68	-3.45	-1.01	2.99	4.00	24
	6855	-5.15	-2.77	-0.79	3.21	4.00	24
	6875	-5.19	-2.95	-0.92	3.08	4.00	24
	7015	-4.36	-2.97	-0.60	3.40	4.00	24
	7115	-4.43	-3.68	-1.03	2.97	4.00	24
802.11ax HE40	5965	-1.80	0.10	2.26	6.26	4.00	24
	6165	-1.80	0.12	2.28	6.28	4.00	24
	6405	-2.78	-0.42	1.57	5.57	4.00	24
	6445	-2.66	-0.36	1.65	5.65	4.00	24
	6485	-2.51	-0.25	1.78	5.78	4.00	24
	6525	-1.42	0.49	2.65	6.65	4.00	24
	6565	-1.71	-0.25	2.09	6.09	4.00	24
	6725	-2.08	-0.51	1.79	5.79	4.00	24
	6845	-1.82	0.41	2.45	6.45	4.00	24
	6885	-2.67	-0.19	1.75	5.75	4.00	24
	7005	-2.18	-0.22	1.92	5.92	4.00	24
	7085	-1.05	0.32	2.70	6.70	4.00	24
802.11ax HE80	5985	-0.63	1.36	3.49	7.49	4.00	24
	6145	-0.12	1.40	3.72	7.72	4.00	24
	6385	-0.80	1.45	3.48	7.48	4.00	24
	6465	-0.88	1.13	3.25	7.25	4.00	24
	6545	0.35	1.85	4.17	8.17	4.00	24
	6625	0.61	1.71	4.21	8.21	4.00	24
	6705	0.25	1.28	3.81	7.81	4.00	24
	6785	-0.59	1.33	3.49	7.49	4.00	24
	6865	-0.38	2.06	4.02	8.02	4.00	24
	6945	-0.46	1.70	3.76	7.76	4.00	24
	7025	0.02	1.17	3.64	7.64	4.00	24

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

12.5. Appendix D: Maximum Power Spectral Density

12.5.1. STBC/SDM Mode Test Result

Mode	Frequency (MHz)	PSD (dBm/MHz)			Directional gain (dBi)	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)
		ANT1	ANT2	Total			
802.11ax HE20	5955	-8.81	-7.83	-5.28	4.00	-1.28	-1
	6175	-8.16	-8.36	-5.25	4.00	-1.25	-1
	6415	-8.52	-7.94	-5.21	4.00	-1.21	-1
	6435	-8.67	-8.44	-5.54	4.00	-1.54	-1
	6475	-8.64	-7.80	-5.19	4.00	-1.19	-1
	6515	-8.51	-8.12	-5.30	4.00	-1.30	-1
	6535	-8.50	-8.60	-5.54	4.00	-1.54	-1
	6715	-8.08	-9.01	-5.51	4.00	-1.51	-1
	6855	-8.59	-8.48	-5.52	4.00	-1.52	-1
	6875	-8.78	-8.59	-5.67	4.00	-1.67	-1
	7015	-8.16	-8.44	-5.29	4.00	-1.29	-1
802.11ax HE40	7115	-8.30	-8.98	-5.62	4.00	-1.62	-1
	5965	-8.71	-8.65	-5.67	4.00	-1.67	-1
	6165	-8.78	-7.41	-5.03	4.00	-1.03	-1
	6405	-9.11	-8.27	-5.66	4.00	-1.66	-1
	6445	-9.61	-7.72	-5.55	4.00	-1.55	-1
	6485	-8.76	-8.00	-5.35	4.00	-1.35	-1
	6525	-9.00	-8.76	-5.96	4.00	-1.96	-1
	6565	-9.09	-8.77	-5.92	4.00	-1.92	-1
	6725	-8.82	-9.16	-5.98	4.00	-1.98	-1
	6845	-9.01	-7.31	-5.07	4.00	-1.07	-1
	6885	-9.27	-8.46	-5.84	4.00	-1.84	-1
802.11ax HE80	7005	-8.82	-8.35	-5.57	4.00	-1.57	-1
	7085	-8.02	-8.89	-5.42	4.00	-1.42	-1
	5985	-8.55	-7.88	-5.19	4.00	-1.19	-1
	6145	-9.28	-8.13	-5.66	4.00	-1.66	-1
	6385	-9.64	-8.37	-5.95	4.00	-1.95	-1
	6465	-8.96	-8.18	-5.54	4.00	-1.54	-1
	6545	-9.54	-8.14	-5.77	4.00	-1.77	-1
	6625	-9.04	-9.01	-6.01	4.00	-2.01	-1
	6705	-10.37	-8.22	-6.15	4.00	-2.15	-1
	6785	-10.10	-7.83	-5.81	4.00	-1.81	-1
	6865	-9.24	-7.72	-5.40	4.00	-1.40	-1
	6945	-8.44	-7.97	-5.19	4.00	-1.19	-1
	7025	-8.95	-8.97	-5.95	4.00	-1.95	-1

Note: 1. The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2. The Duty Cycle Factor and RBW Factor is compensated in the graph.

12.5.2. STBC/SDM Test Graphs



