













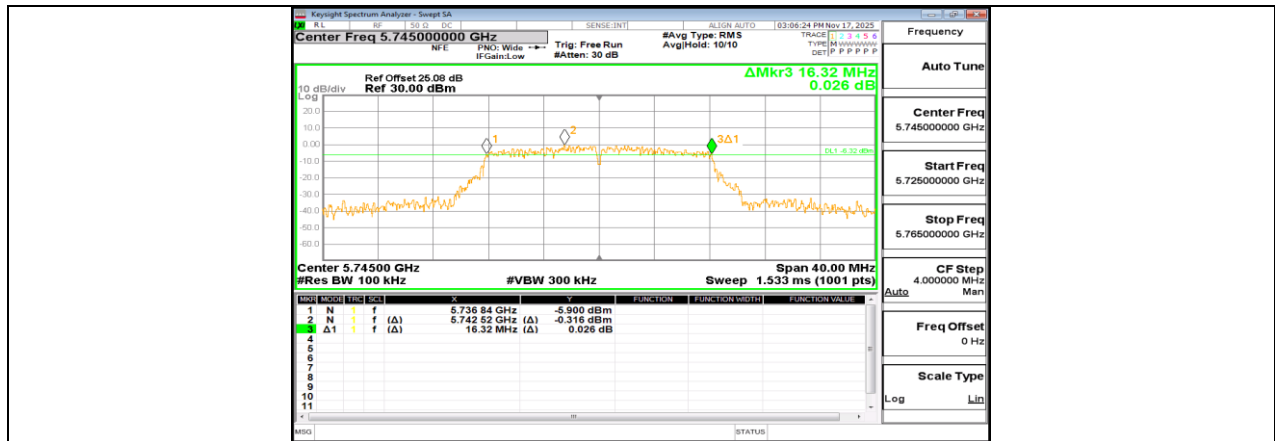
11.3. APPENDIX C: MIN EMISSION BANDWIDTH

11.3.1. Test Result

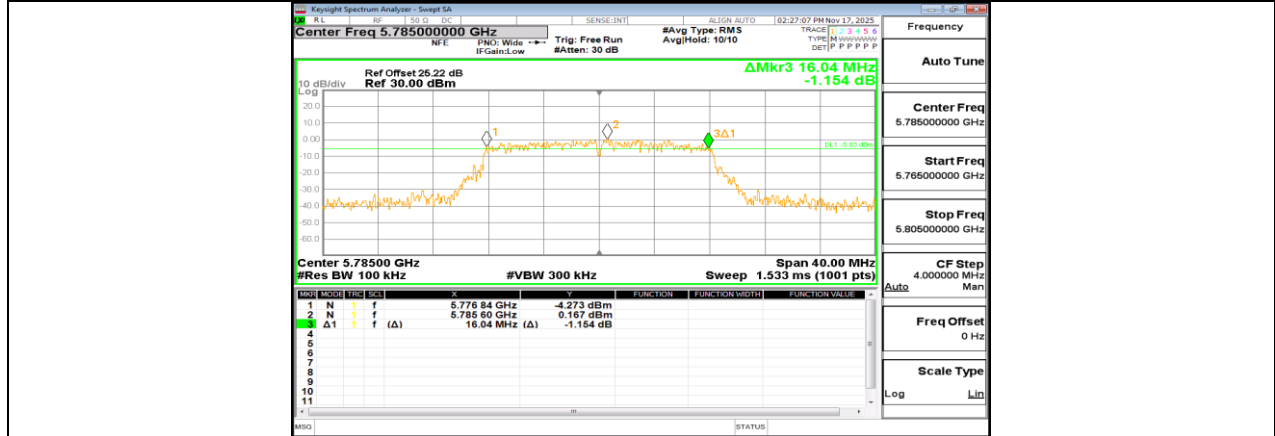
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720	16.360	5711.840	5728.200	---	---
	Ant2	5720	16.280	5711.880	5728.160	---	---
	Ant1	5720 UNII-2C	13.16	5711.840	5725	---	---
	Ant2	5720 UNII-2C	13.12	5711.880	5725	---	---
	Ant1	5720 UNII-3	3.2	5725	5728.200	≥0.5	PASS
	Ant2	5720 UNII-3	3.16	5725	5728.160	≥0.5	PASS
	Ant1	5745	15.920	5736.840	5752.760	≥0.5	PASS
	Ant2	5745	16.320	5736.840	5753.160	≥0.5	PASS
	Ant1	5785	16.040	5776.840	5792.880	≥0.5	PASS
	Ant2	5785	14.920	5777.280	5792.200	≥0.5	PASS
11N20MIMO	Ant1	5825	16.320	5816.840	5833.160	≥0.5	PASS
	Ant2	5825	16.320	5816.840	5833.160	≥0.5	PASS
	Ant1	5720	17.520	5711.280	5728.800	---	---
	Ant2	5720	17.600	5711.240	5728.840	---	---
	Ant1	5720 UNII-2C	13.72	5711.280	5725	---	---
	Ant2	5720 UNII-2C	13.76	5711.240	5725	---	---
	Ant1	5720 UNII-3	3.8	5725	5728.800	≥0.5	PASS
	Ant2	5720 UNII-3	3.84	5725	5728.840	≥0.5	PASS
	Ant1	5745	14.400	5737.720	5752.120	≥0.5	PASS
	Ant2	5745	17.560	5736.200	5753.760	≥0.5	PASS
11N40MIMO	Ant1	5785	16.560	5776.840	5793.400	≥0.5	PASS
	Ant2	5785	17.560	5776.200	5793.760	≥0.5	PASS
	Ant1	5825	17.520	5816.240	5833.760	≥0.5	PASS
	Ant2	5825	16.760	5816.360	5833.120	≥0.5	PASS
	Ant1	5710	36.320	5691.840	5728.160	---	---
	Ant2	5710	36.320	5691.840	5728.160	---	---
	Ant1	5710 UNII-2C	33.16	5691.840	5725	---	---
	Ant2	5710 UNII-2C	33.16	5691.840	5725	---	---
	Ant1	5710 UNII-3	3.16	5725	5728.160	≥0.5	PASS
	Ant2	5710 UNII-3	3.16	5725	5728.160	≥0.5	PASS
11AC80MIMO	Ant1	5755	30.720	5739.880	5770.600	≥0.5	PASS
	Ant2	5755	34.080	5738.440	5772.520	≥0.5	PASS
	Ant1	5795	32.560	5779.960	5812.520	≥0.5	PASS
	Ant2	5795	32.560	5779.320	5811.880	≥0.5	PASS
	Ant1	5690	74.080	5653.520	5727.600	---	---
	Ant2	5690	76.160	5651.920	5728.080	---	---
	Ant1	5690 UNII-2C	71.48	5653.520	5725	---	---
	Ant2	5690 UNII-2C	73.08	5651.920	5725	---	---
	Ant1	5690 UNII-3	2.6	5725	5727.600	≥0.5	PASS
	Ant2	5690 UNII-3	3.08	5725	5728.080	≥0.5	PASS
	Ant1	5775	70.080	5739.960	5810.040	≥0.5	PASS
	Ant2	5775	75.680	5737.400	5813.080	≥0.5	PASS

11.3.2. Test Graphs





11A Ant2 5745



11A Ant1 5785



11A Ant2 5785





11N20MIMO Ant2 5720



11N20MIMO Ant1 5745



11N20MIMO Ant2 5745



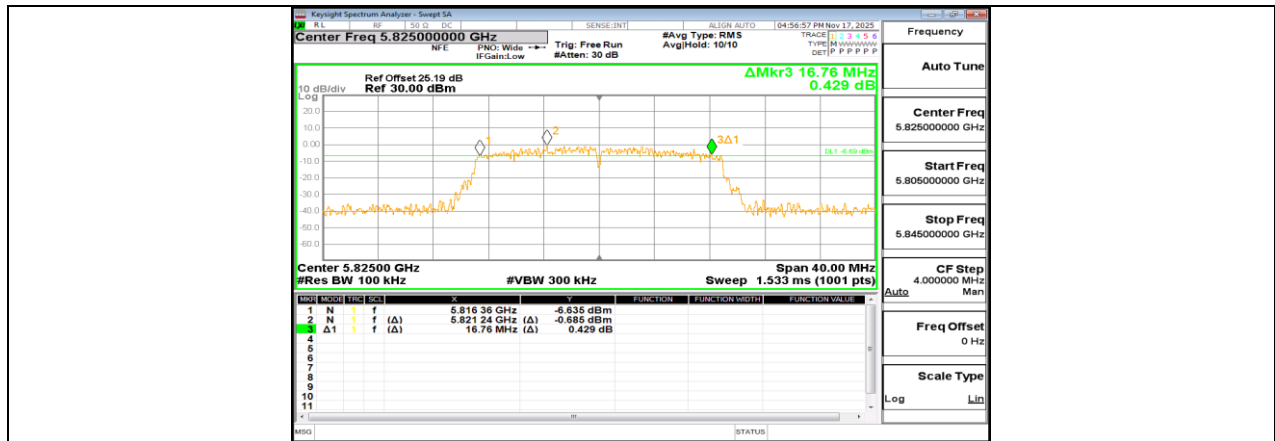
11N20MIMO Ant1 5785



11N20MIMO Ant2 5785



11N20MIMO Ant1 5825



11N20MIMO Ant2 5825



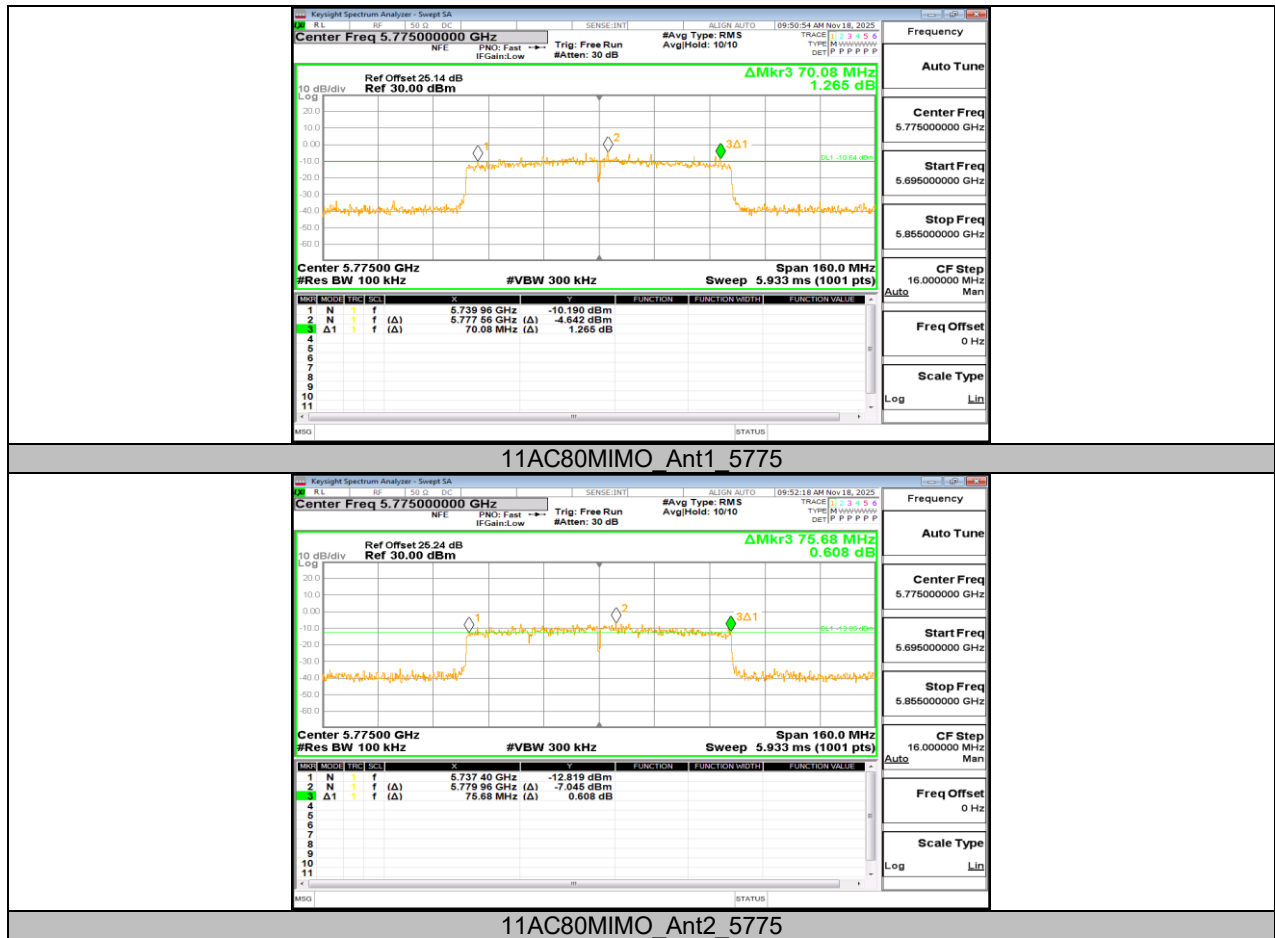
11N40MIMO Ant1 5710



11N40MIMO Ant2 5710







11.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER

11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	14.43	≤23.98	---	18.44	≤22.19	PASS
	Ant2	5180	14.75	≤23.98	---	17.88	≤22.20	PASS
	Ant1	5200	14.22	≤23.98	---	18.23	≤22.23	PASS
	Ant2	5200	14.7	≤23.98	---	17.83	≤22.18	PASS
	Ant1	5240	14.55	≤23.98	---	18.56	≤22.26	PASS
	Ant2	5240	14.61	≤23.98	---	17.74	≤22.22	PASS
	Ant1	5260	14.81	≤23.90	≤23.22	18.82	≤29.22	PASS
	Ant2	5260	14.81	≤23.98	≤23.17	17.94	≤29.17	PASS
	Ant1	5280	14.65	≤23.90	≤23.24	18.66	≤29.24	PASS
	Ant2	5280	14.69	≤23.98	≤23.21	17.82	≤29.21	PASS
	Ant1	5320	14.91	≤23.90	≤23.19	18.92	≤29.19	PASS
	Ant2	5320	14.73	≤23.82	≤23.19	17.86	≤29.19	PASS
	Ant1	5500	14.67	≤23.89	≤23.20	18.68	≤29.20	PASS
	Ant2	5500	14.97	≤23.98	≤23.21	18.10	≤29.21	PASS
	Ant1	5580	14.76	≤23.98	≤23.21	18.77	≤29.21	PASS
	Ant2	5580	14.65	≤23.93	≤23.22	17.78	≤29.22	PASS
	Ant1	5700	14.22	≤23.91	≤23.24	18.23	≤29.24	PASS
	Ant2	5700	14.1	≤23.98	≤23.22	17.23	≤29.22	PASS
	Ant1	5720 UNII-2C	14.01	≤22.70	≤22.24	18.02	≤28.24	PASS
	Ant2	5720 UNII-2C	13.59	≤22.74	≤22.25	16.72	≤28.25	PASS
	Ant1	5720 UNII-3	6.35	≤30.00	≤30.00	10.36	---	PASS
	Ant2	5720 UNII-3	6.04	≤30.00	≤30.00	9.17	---	PASS
	Ant1	5745	14.59	≤30.00	≤30.00	18.60	---	PASS
	Ant2	5745	14.22	≤30.00	≤30.00	17.35	---	PASS
	Ant1	5785	14.67	≤30.00	≤30.00	18.68	---	PASS
	Ant2	5785	13.98	≤30.00	≤30.00	17.11	---	PASS
	Ant1	5825	14.7	≤30.00	≤30.00	18.71	---	PASS
	Ant2	5825	14.16	≤30.00	≤30.00	17.29	---	PASS
11N20MIMO	Ant1	5180	7.78	≤23.98	---	11.79	≤22.47	PASS
	Ant2	5180	9.38	≤23.98	---	12.51	≤22.48	PASS
	total	5180	11.66	≤23.98	---	15.67	≤22.47	PASS
	Ant1	5200	7.56	≤23.98	---	11.57	≤22.47	PASS
	Ant2	5200	9.3	≤23.98	---	12.43	≤22.47	PASS
	total	5200	11.53	≤23.98	---	15.54	≤22.47	PASS
	Ant1	5240	7.9	≤23.98	---	11.91	≤22.48	PASS
	Ant2	5240	8.89	≤23.98	---	12.02	≤22.48	PASS
	total	5240	11.43	≤23.98	---	15.44	≤22.48	PASS
	Ant1	5260	13.25	≤23.98	≤23.47	17.26	≤29.47	PASS
	Ant2	5260	13.09	≤23.98	≤23.48	16.22	≤29.48	PASS
	total	5260	16.18	≤23.98	≤23.47	20.19	≤29.47	PASS
	Ant1	5280	13.01	≤23.98	≤23.48	17.02	≤29.48	PASS
	Ant2	5280	13.1	≤23.91	≤23.45	16.23	≤29.45	PASS
	total	5280	16.07	≤23.91	≤23.45	20.08	≤29.45	PASS
	Ant1	5320	13.42	≤23.98	≤23.49	17.43	≤29.49	PASS
	Ant2	5320	13.06	≤23.98	≤23.47	16.19	≤29.47	PASS
	total	5320	16.25	≤23.98	≤23.47	20.26	≤29.47	PASS
	Ant1	5500	13.2	≤23.96	≤23.48	17.21	≤29.48	PASS
	Ant2	5500	13.38	≤23.96	≤23.48	16.51	≤29.48	PASS
	total	5500	16.3	≤23.96	≤23.48	20.31	≤29.48	PASS
	Ant1	5580	13.23	≤23.98	≤23.49	17.24	≤29.49	PASS
	Ant2	5580	13.63	≤23.98	≤23.47	16.76	≤29.47	PASS
	total	5580	16.44	≤23.98	≤23.47	20.45	≤29.47	PASS
	Ant1	5700	12.9	≤23.98	≤23.49	16.91	≤29.49	PASS
	Ant2	5700	12.66	≤23.98	≤23.46	15.79	≤29.46	PASS

	total	5700	15.79	≤23.98	≤23.46	19.80	≤29.46	PASS
	Ant1	5720 UNII-2C	12.42	≤22.88	≤22.44	16.43	≤28.44	PASS
	Ant2	5720 UNII-2C	12.43	≤22.76	≤22.42	15.56	≤28.42	PASS
	total	5720 UNII-2C	15.44	≤22.76	≤22.42	19.45	≤28.42	PASS
	Ant1	5720 UNII-3	5.29	≤30.00	≤30.00	9.30	---	PASS
	Ant2	5720 UNII-3	5.37	≤30.00	≤30.00	8.50	---	PASS
	total	5720 UNII-3	8.34	≤30.00	≤30.00	12.35	---	PASS
	Ant1	5745	13.18	≤30.00	≤30.00	17.19	---	PASS
	Ant2	5745	13.09	≤30.00	≤30.00	16.22	---	PASS
	total	5745	16.15	≤30.00	≤30.00	20.16	---	PASS
	Ant1	5785	13.77	≤30.00	≤30.00	17.78	---	PASS
	Ant2	5785	12.94	≤30.00	≤30.00	16.07	---	PASS
	total	5785	16.39	≤30.00	≤30.00	20.40	---	PASS
	Ant1	5825	13.69	≤30.00	≤30.00	17.70	---	PASS
	Ant2	5825	13.23	≤30.00	≤30.00	16.36	---	PASS
	total	5825	16.48	≤30.00	≤30.00	20.49	---	PASS
11N40MIMO	Ant1	5190	12.03	≤23.98	---	16.04	≤23.00	PASS
	Ant2	5190	11.06	≤23.98	---	14.19	≤23.00	PASS
	total	5190	14.58	≤23.98	---	18.59	≤23.00	PASS
	Ant1	5230	11.94	≤23.98	---	15.95	≤23.00	PASS
	Ant2	5230	10.51	≤23.98	---	13.64	≤23.00	PASS
	total	5230	14.29	≤23.98	---	18.30	≤23.00	PASS
	Ant1	5270	13.37	≤23.98	≤23.98	17.38	≤30.00	PASS
	Ant2	5270	13.43	≤23.98	≤23.98	16.56	≤30.00	PASS
	total	5270	16.41	≤23.98	≤23.98	20.42	≤30.00	PASS
	Ant1	5310	13.44	≤23.98	≤23.98	17.45	≤30.00	PASS
	Ant2	5310	13.38	≤23.98	≤23.98	16.51	≤30.00	PASS
	total	5310	16.42	≤23.98	≤23.98	20.43	≤30.00	PASS
	Ant1	5510	13.47	≤23.98	≤23.98	17.48	≤30.00	PASS
	Ant2	5510	13.65	≤23.98	≤23.98	16.78	≤30.00	PASS
	total	5510	16.57	≤23.98	≤23.98	20.58	≤30.00	PASS
	Ant1	5550	13.22	≤23.98	≤23.98	17.23	≤30.00	PASS
	Ant2	5550	13.63	≤23.98	≤23.98	16.76	≤30.00	PASS
	total	5550	16.44	≤23.98	≤23.98	20.45	≤30.00	PASS
	Ant1	5670	12.94	≤23.98	≤23.98	16.95	≤30.00	PASS
	Ant2	5670	12.97	≤23.98	≤23.98	16.10	≤30.00	PASS
	total	5670	15.97	≤23.98	≤23.98	19.98	≤30.00	PASS
	Ant1	5710 UNII-2C	12.57	≤23.98	≤23.98	16.58	≤30.00	PASS
	Ant2	5710 UNII-2C	12.79	≤23.98	≤23.98	15.92	≤30.00	PASS
	total	5710 UNII-2C	15.69	≤23.98	≤23.98	19.70	≤30.00	PASS
	Ant1	5710 UNII-3	-0.01	≤30.00	≤30.00	4.00	---	PASS
	Ant2	5710 UNII-3	-0.09	≤30.00	≤30.00	3.04	---	PASS
	total	5710 UNII-3	2.96	≤30.00	≤30.00	6.97	---	PASS
	Ant1	5755	13.23	≤30.00	≤30.00	17.24	---	PASS
	Ant2	5755	13.05	≤30.00	≤30.00	16.18	---	PASS
	total	5755	16.15	≤30.00	≤30.00	20.16	---	PASS
	Ant1	5795	13.67	≤30.00	≤30.00	17.68	---	PASS
	Ant2	5795	13.29	≤30.00	≤30.00	16.42	---	PASS
	total	5795	16.49	≤30.00	≤30.00	20.50	---	PASS
11AC80MIMO	Ant1	5210	11.58	≤23.98	---	15.59	≤23.00	PASS
	Ant2	5210	12.24	≤23.98	---	15.37	≤23.00	PASS
	total	5210	14.93	≤23.98	---	18.94	≤23.00	PASS
	Ant1	5290	12.12	≤23.98	≤23.98	16.13	≤30.00	PASS
	Ant2	5290	12.38	≤23.98	≤23.98	15.51	≤30.00	PASS
	total	5290	15.26	≤23.98	≤23.98	19.27	≤30.00	PASS
	Ant1	5530	12.05	≤23.98	≤23.98	16.06	≤30.00	PASS
	Ant2	5530	12.42	≤23.98	≤23.98	15.55	≤30.00	PASS
	total	5530	15.25	≤23.98	≤23.98	19.26	≤30.00	PASS
	Ant1	5610	12.04	≤23.98	≤23.98	16.05	≤30.00	PASS
	Ant2	5610	12.5	≤23.98	≤23.98	15.63	≤30.00	PASS

	total	5610	15.29	≤23.98	≤23.98	19.30	≤30.00	PASS
	Ant1	5690 UNII-2C	11.72	≤23.98	≤23.98	15.73	≤30.00	PASS
	Ant2	5690 UNII-2C	11.75	≤23.98	≤23.98	14.88	≤30.00	PASS
	total	5690 UNII-2C	14.75	≤23.98	≤23.98	18.76	≤30.00	PASS
	Ant1	5690 UNII-3	-5.43	≤30.00	≤30.00	-1.42	---	PASS
	Ant2	5690 UNII-3	-5.25	≤30.00	≤30.00	-2.12	---	PASS
	total	5690 UNII-3	-2.33	≤30.00	≤30.00	1.68	---	PASS
	Ant1	5775	12.49	≤30.00	≤30.00	16.50	---	PASS
	Ant2	5775	12.19	≤30.00	≤30.00	15.32	---	PASS
	total	5775	15.35	≤30.00	≤30.00	19.36	---	PASS

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.

11.4.2. Test Graphs

