

Appendix for Bluetooth BLE Mode

Product Name: Portable Party Speaker
Model No: Halo 300

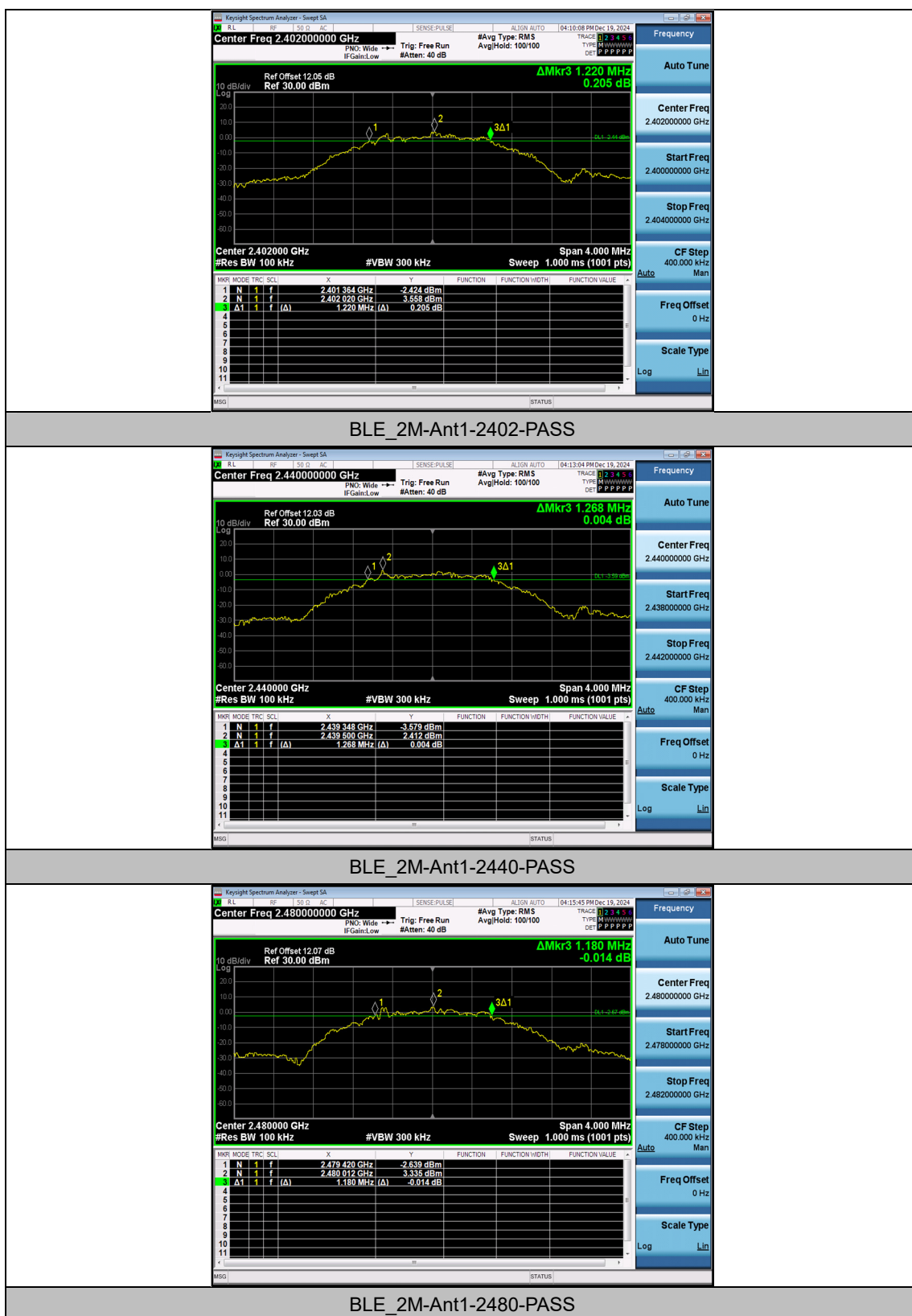
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.684	2401.656	2402.340	0.5	PASS
BLE_1M	Ant1	2440	0.708	2439.644	2440.352	0.5	PASS
BLE_1M	Ant1	2480	0.732	2479.648	2480.380	0.5	PASS
BLE_2M	Ant1	2402	1.220	2401.364	2402.584	0.5	PASS
BLE_2M	Ant1	2440	1.268	2439.348	2440.616	0.5	PASS
BLE_2M	Ant1	2480	1.180	2479.420	2480.600	0.5	PASS

Test Graphs



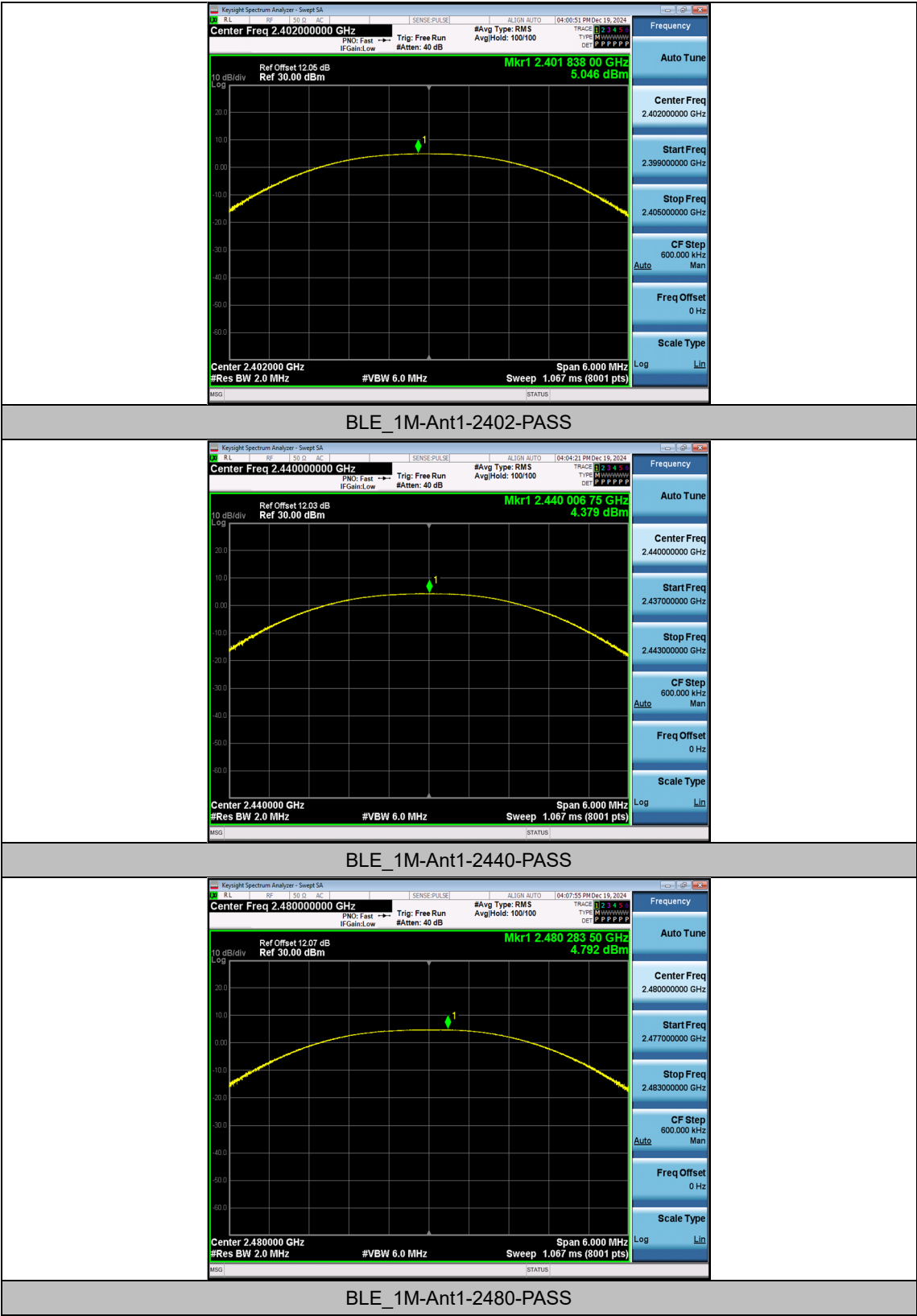


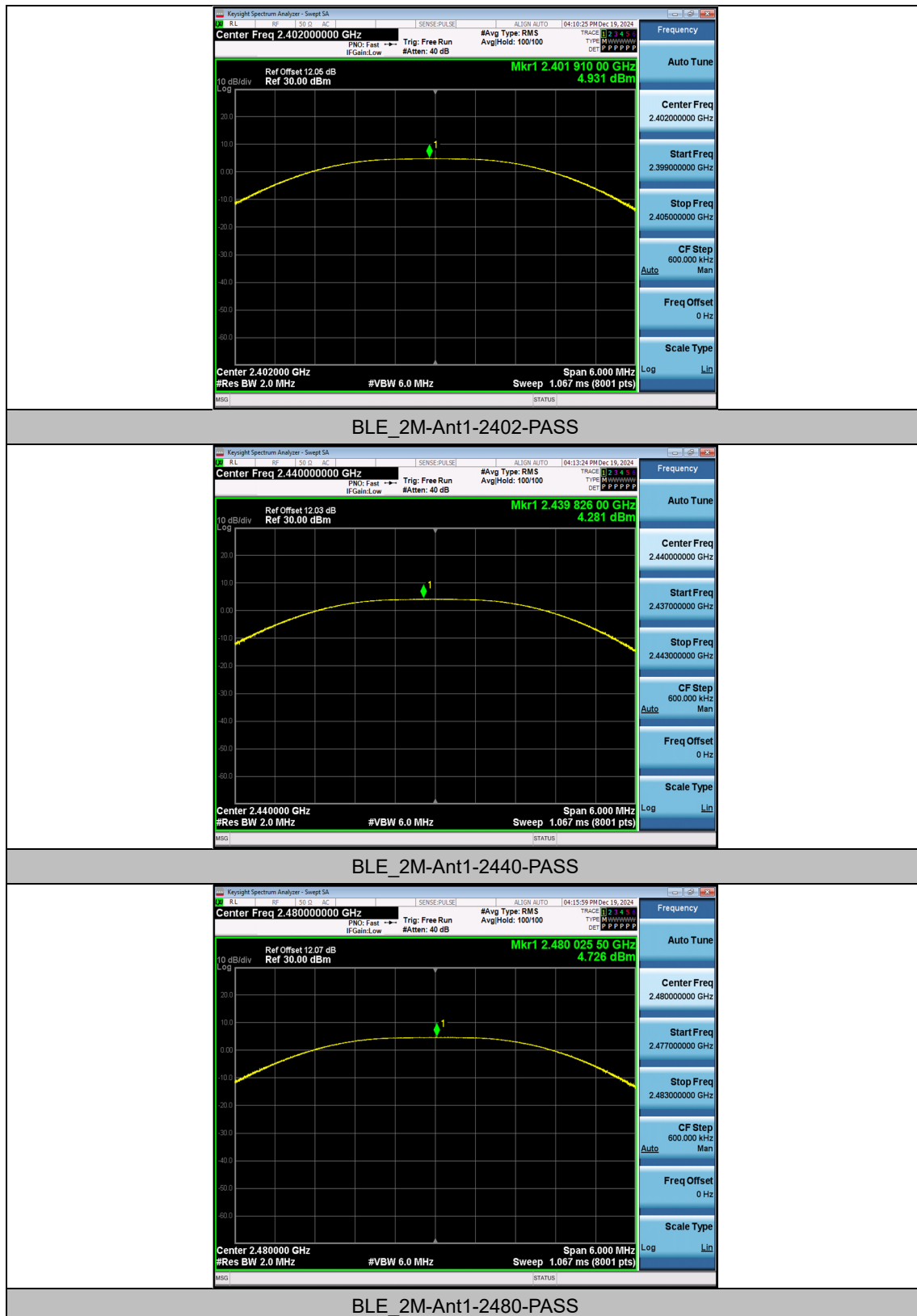
Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.05	≤30	PASS
BLE_1M	Ant1	2440	4.38	≤30	PASS
BLE_1M	Ant1	2480	4.79	≤30	PASS
BLE_2M	Ant1	2402	4.93	≤30	PASS
BLE_2M	Ant1	2440	4.28	≤30	PASS
BLE_2M	Ant1	2480	4.73	≤30	PASS

Test Graphs Peak



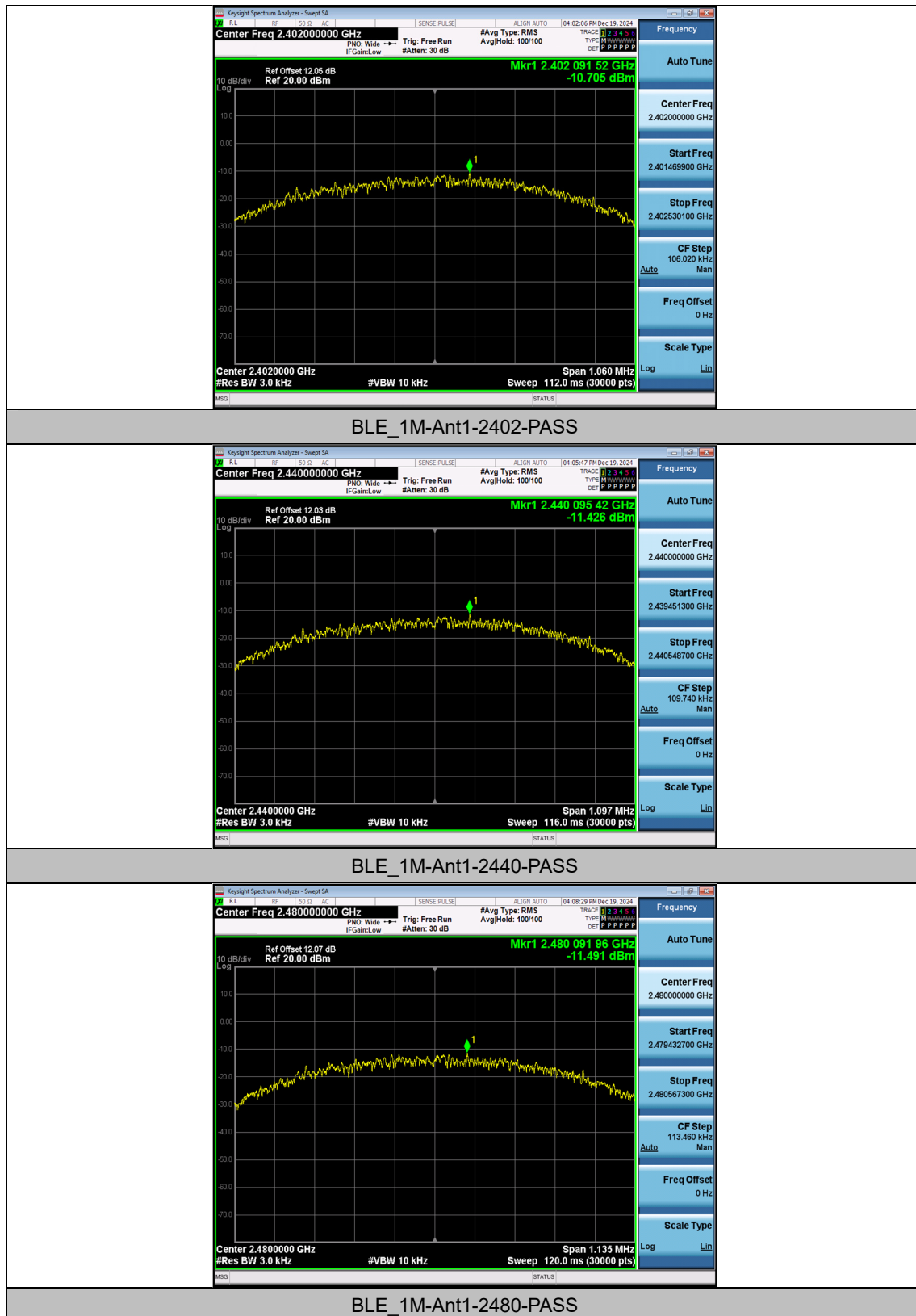


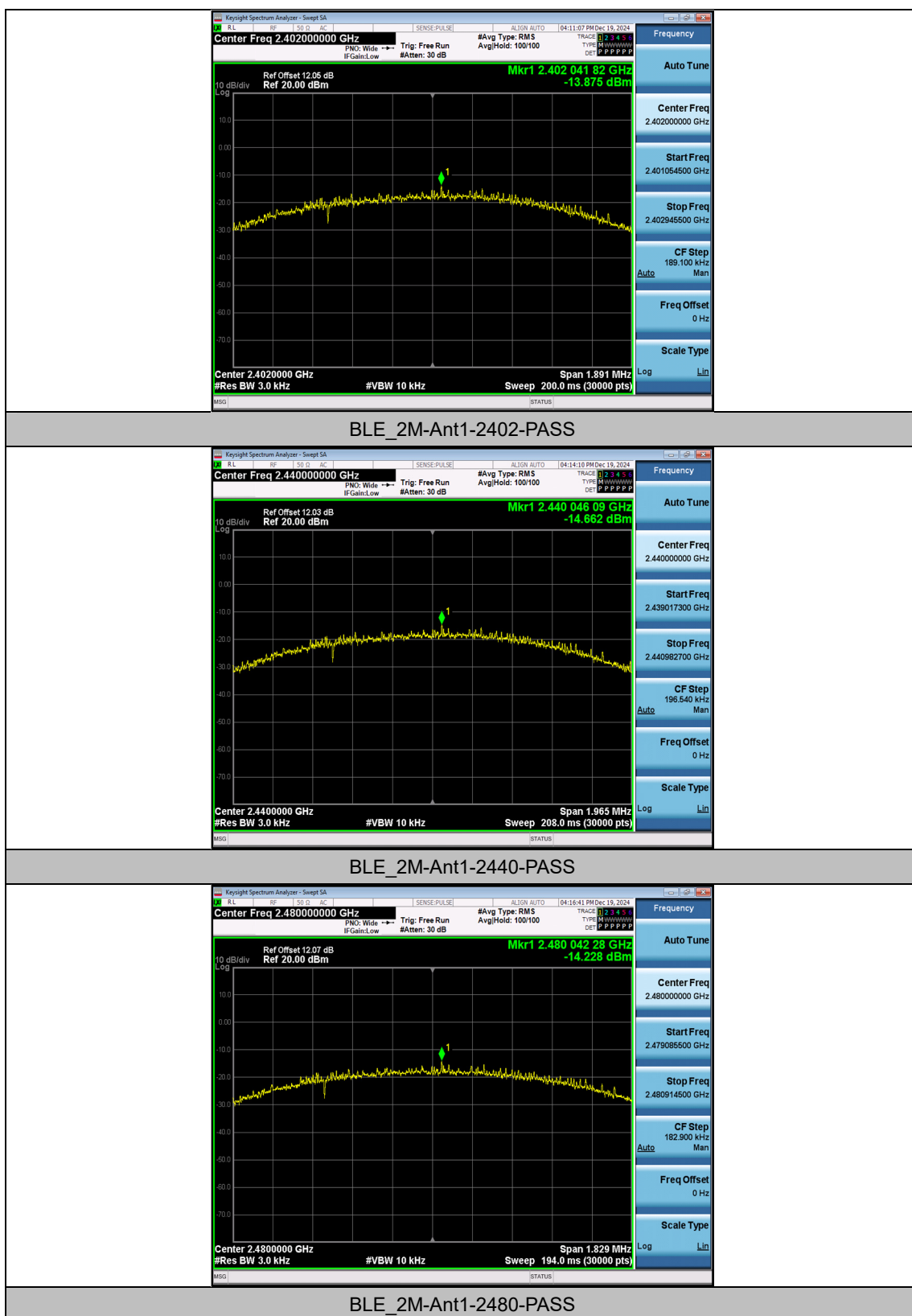
Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.71	≤8.00	PASS
BLE_1M	Ant1	2440	-11.43	≤8.00	PASS
BLE_1M	Ant1	2480	-11.49	≤8.00	PASS
BLE_2M	Ant1	2402	-13.88	≤8.00	PASS
BLE_2M	Ant1	2440	-14.66	≤8.00	PASS
BLE_2M	Ant1	2480	-14.23	≤8.00	PASS

Test Graphs



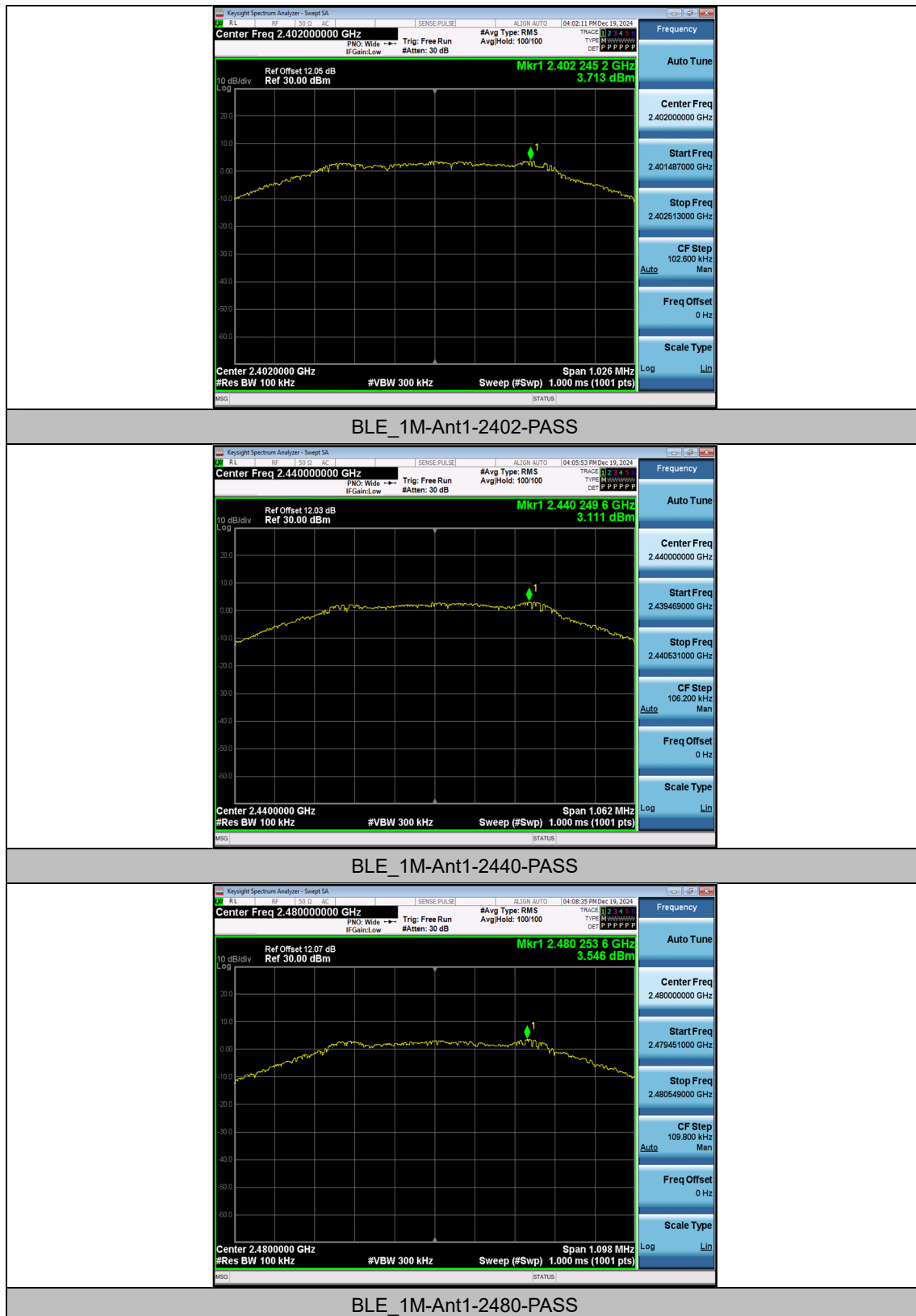


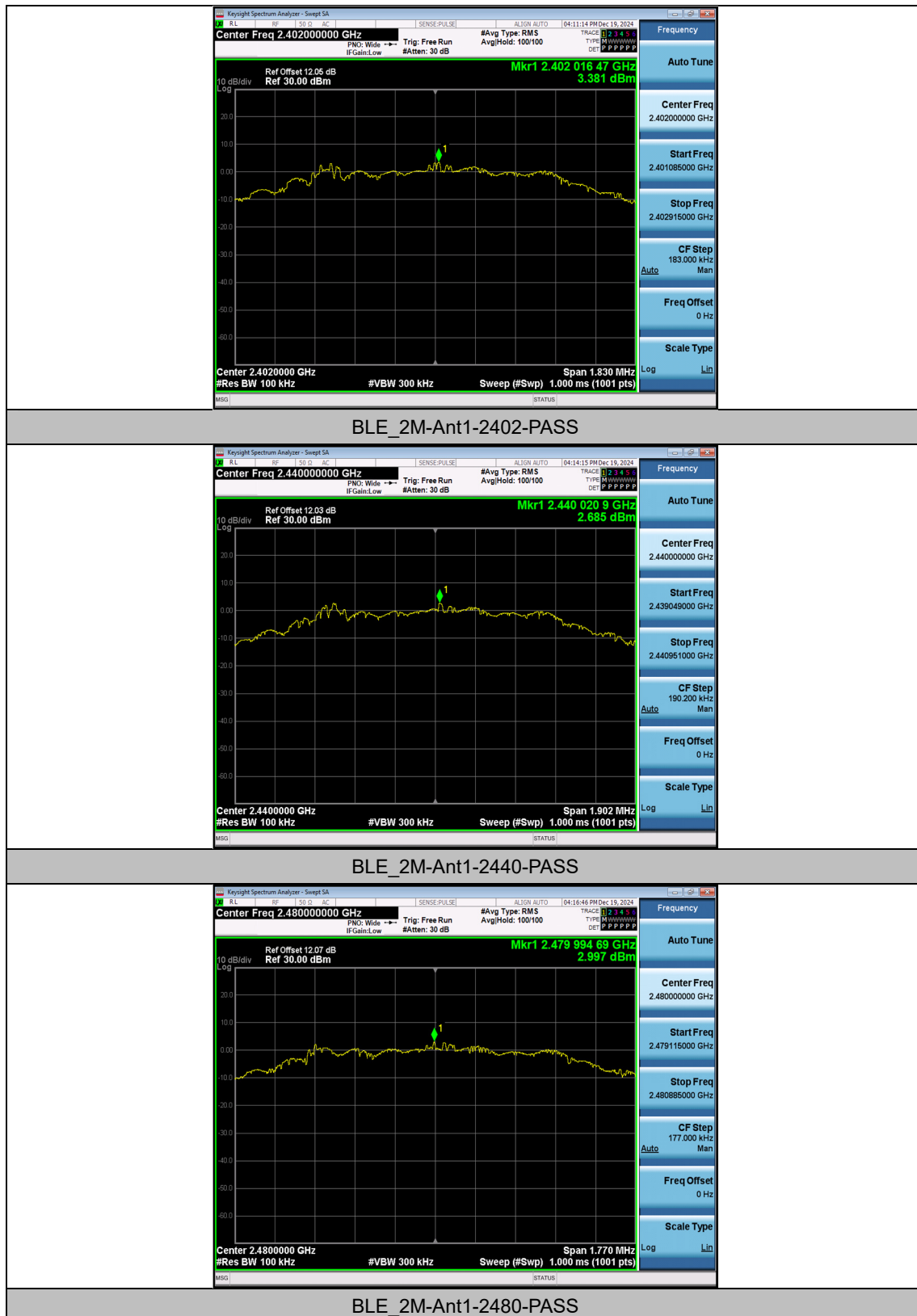
Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2402.25	3.71
BLE_1M	Ant1	2440	2440.25	3.11
BLE_1M	Ant1	2480	2480.25	3.55
BLE_2M	Ant1	2402	2402.02	3.38
BLE_2M	Ant1	2440	2440.02	2.69
BLE_2M	Ant1	2480	2479.99	3.00

Test Graphs





Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.71	-44.03	≤-16.29	PASS
BLE_1M	Ant1	High	2480	3.55	-47.39	≤-16.45	PASS
BLE_2M	Ant1	Low	2402	3.38	-27.58	≤-16.62	PASS
BLE_2M	Ant1	High	2480	3.00	-46.76	≤-17	PASS