

Appendix A of BLE Results

DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.704	2401.644	2402.348	0.5	PASS
BLE_1M	Ant1	2440	0.704	2439.636	2440.340	0.5	PASS
BLE_1M	Ant1	2480	0.680	2479.656	2480.336	0.5	PASS

Test Graphs



FCC ID:2A64B-DSX39

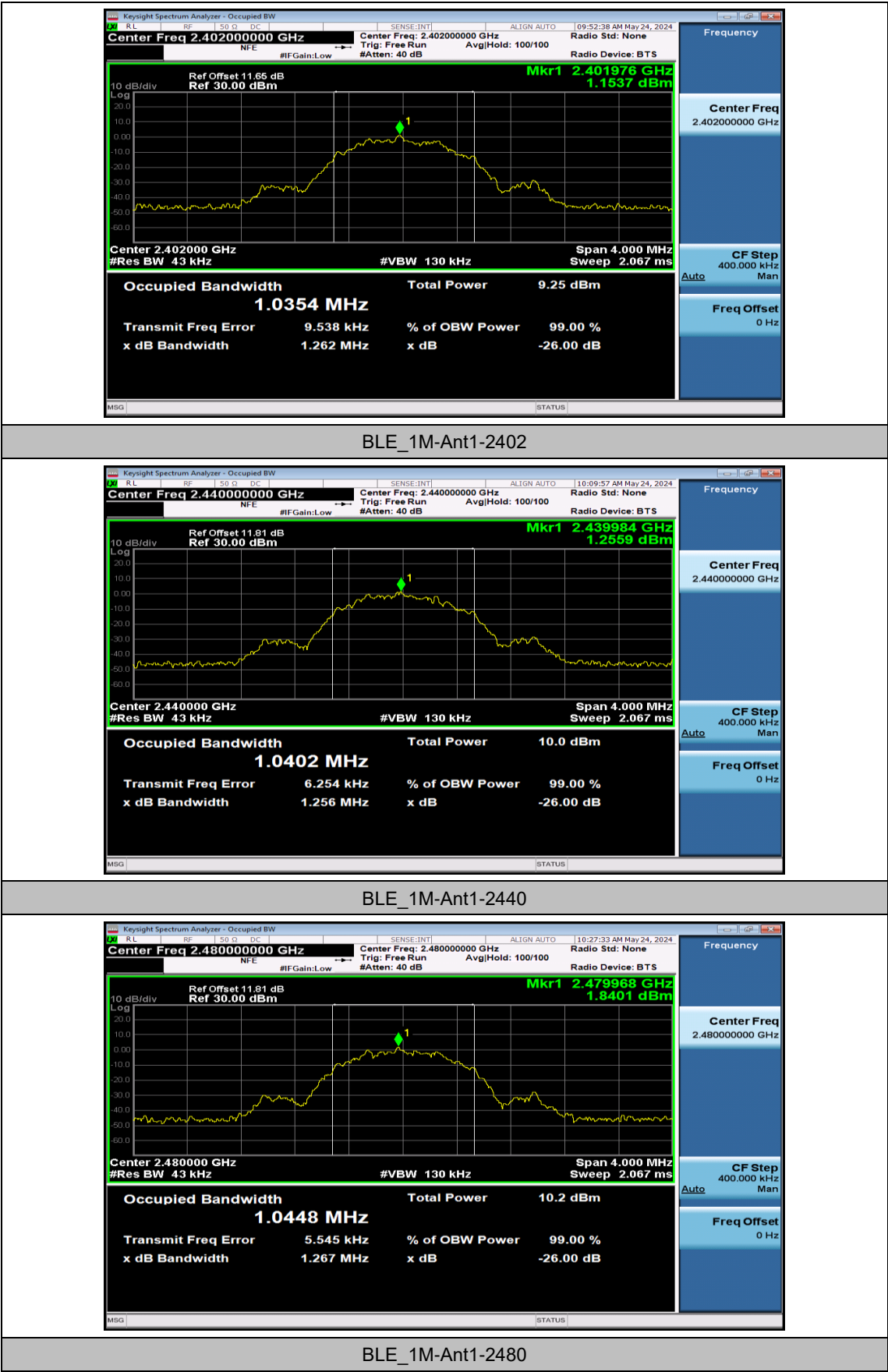
IC:28593-DSX39

Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0354	2401.4918	2402.5272	---	---
BLE_1M	Ant1	2440	1.0402	2439.4862	2440.5264	---	---
BLE_1M	Ant1	2480	1.0448	2479.4832	2480.5280	---	---

Test Graphs

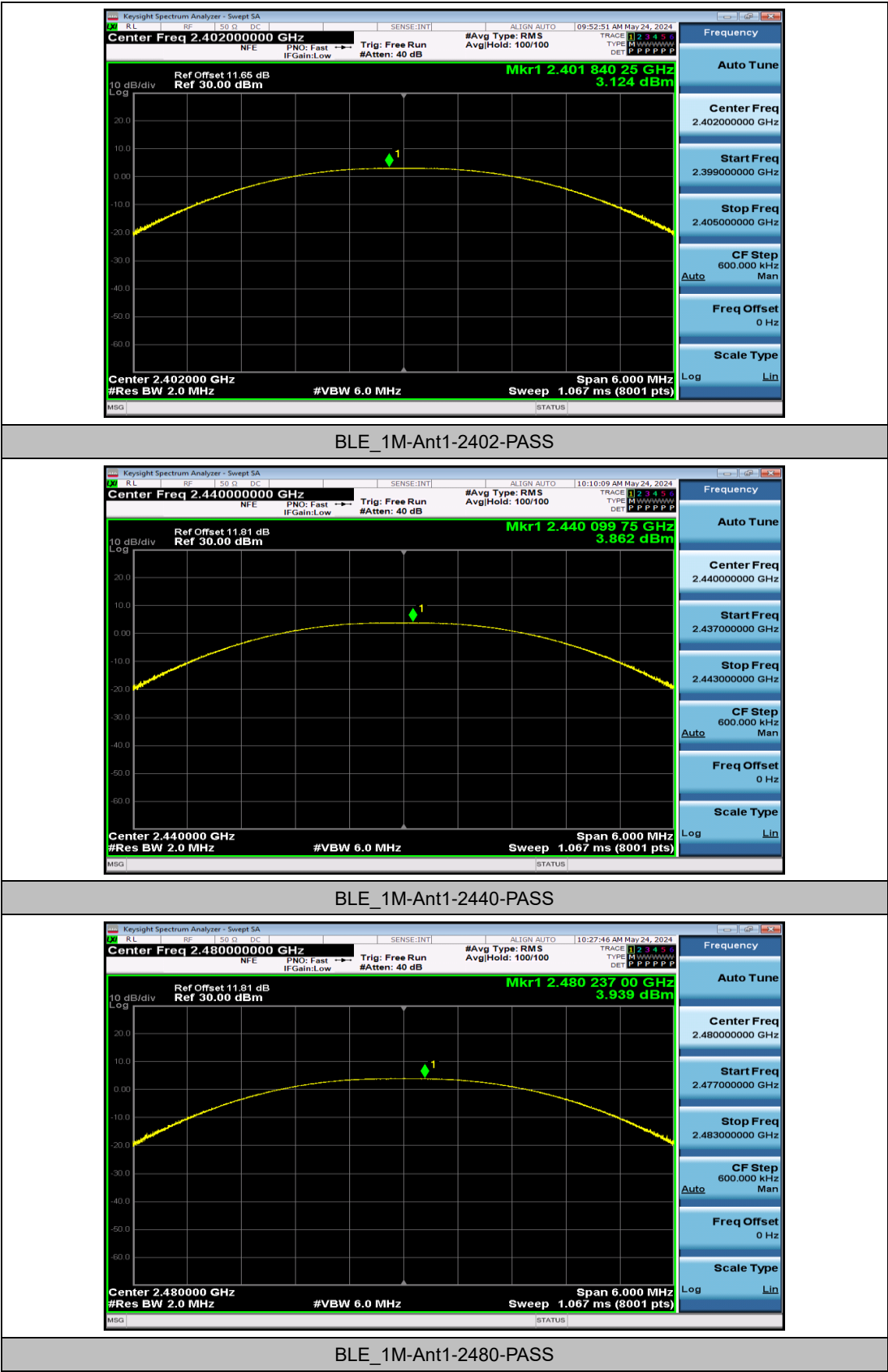


Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.12	≤30	7.31	≤36	PASS
BLE_1M	Ant1	2440	3.86	≤30	8.05	≤36	PASS
BLE_1M	Ant1	2480	3.94	≤30	8.13	≤36	PASS

Test Graphs Peak



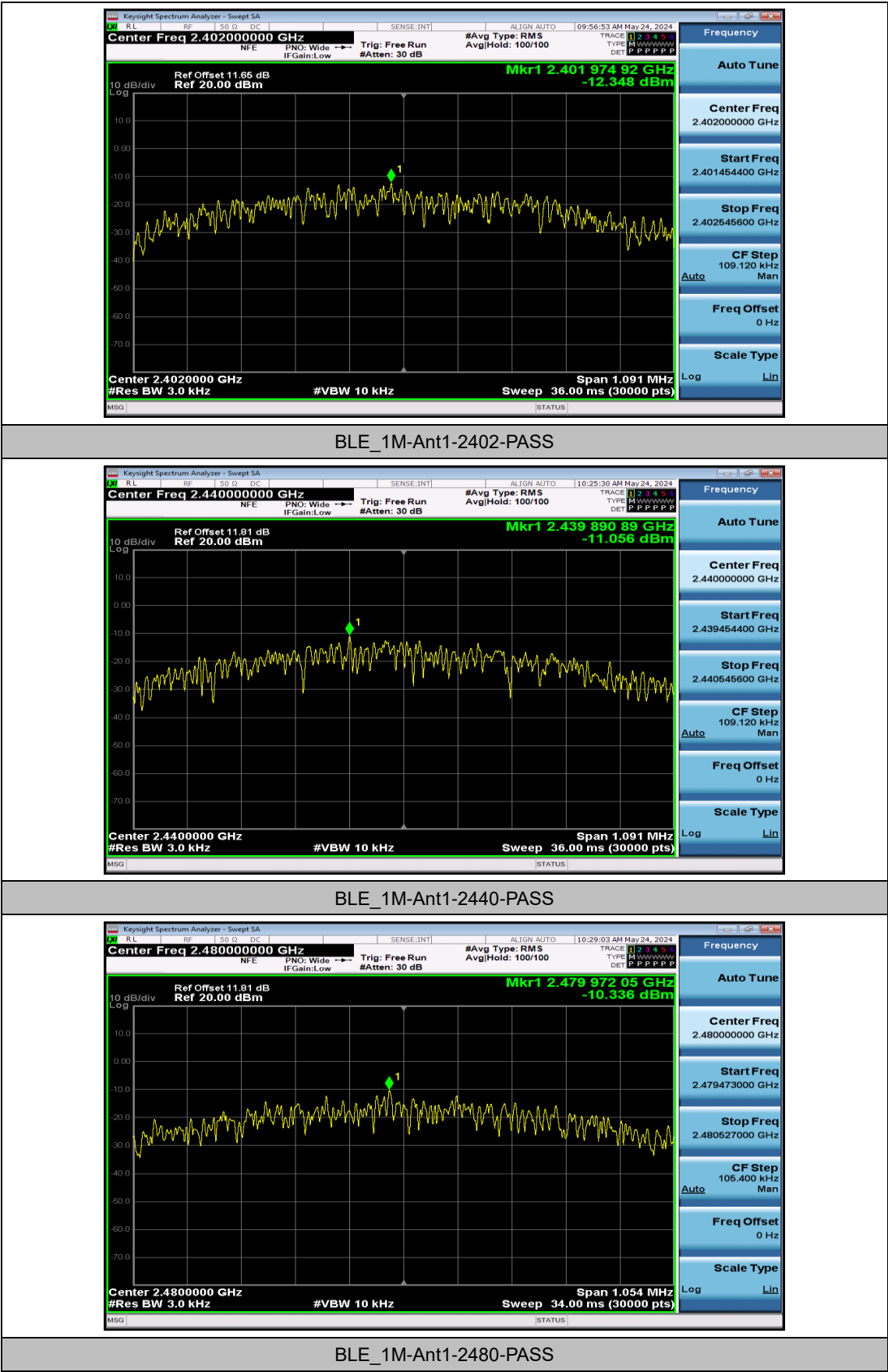
FCC ID: 2A64B-DSX39
IC: 28593-DSX39

Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.35	≤8.00	PASS
BLE_1M	Ant1	2440	-11.06	≤8.00	PASS
BLE_1M	Ant1	2480	-10.34	≤8.00	PASS

Test Graphs



FCC ID:2A64B-DSX39

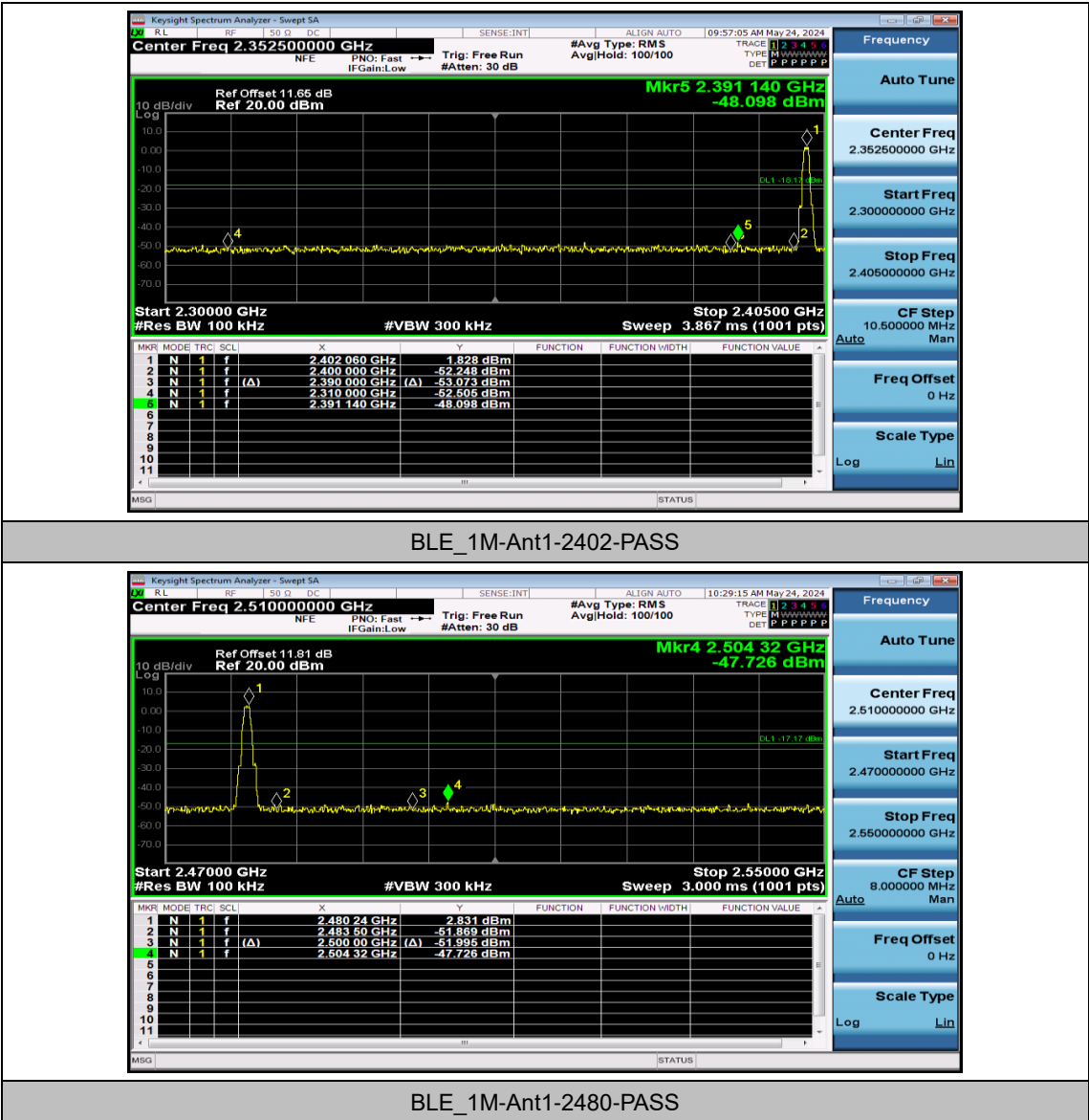
IC:28593-DSX39

Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.83	-48.1	≤-18.17	PASS
BLE_1M	Ant1	High	2480	2.83	-47.73	≤-17.17	PASS

Test Graphs



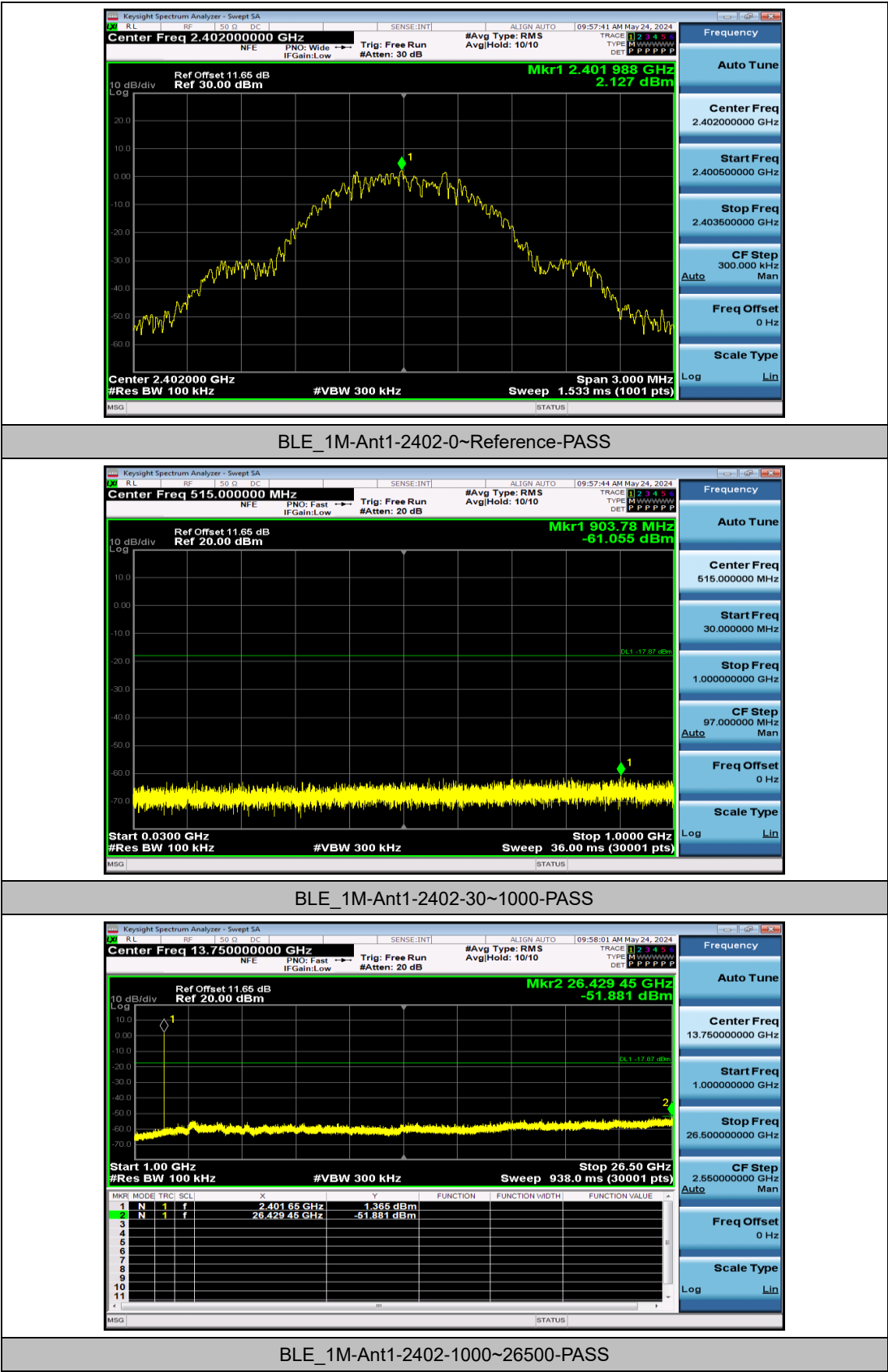
FCC ID: 2A64B-DSX39
IC: 28593-DSX39

Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.13	2.13	---	PASS
BLE_1M	Ant1	2402	30~1000	2.13	-61.06	≤-17.87	PASS
BLE_1M	Ant1	2402	1000~26500	2.13	-51.88	≤-17.87	PASS
BLE_1M	Ant1	2440	0~Reference	3.05	3.05	---	PASS
BLE_1M	Ant1	2440	30~1000	3.05	-60.68	≤-16.95	PASS
BLE_1M	Ant1	2440	1000~26500	3.05	-52.49	≤-16.95	PASS
BLE_1M	Ant1	2480	0~Reference	2.34	2.34	---	PASS
BLE_1M	Ant1	2480	30~1000	2.34	-60.57	≤-17.66	PASS
BLE_1M	Ant1	2480	1000~26500	2.34	-52.14	≤-17.66	PASS

Test Graphs

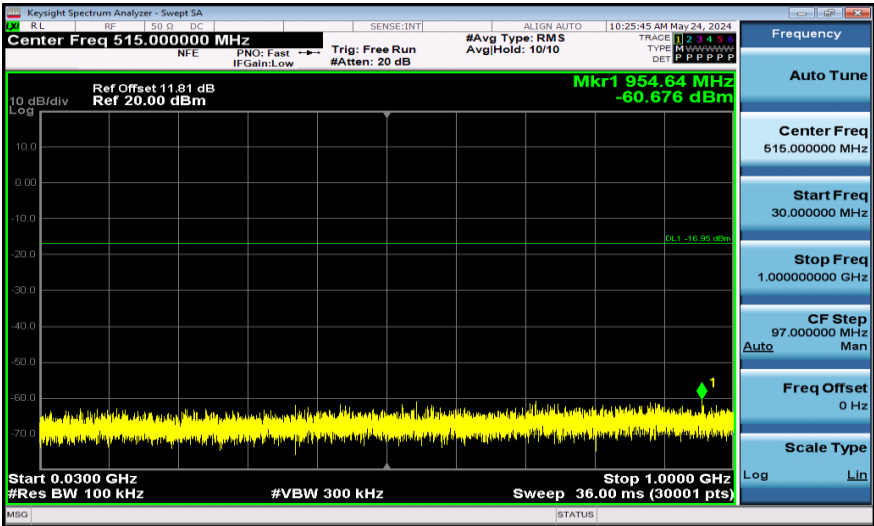


FCC ID:2A64B-DSX39

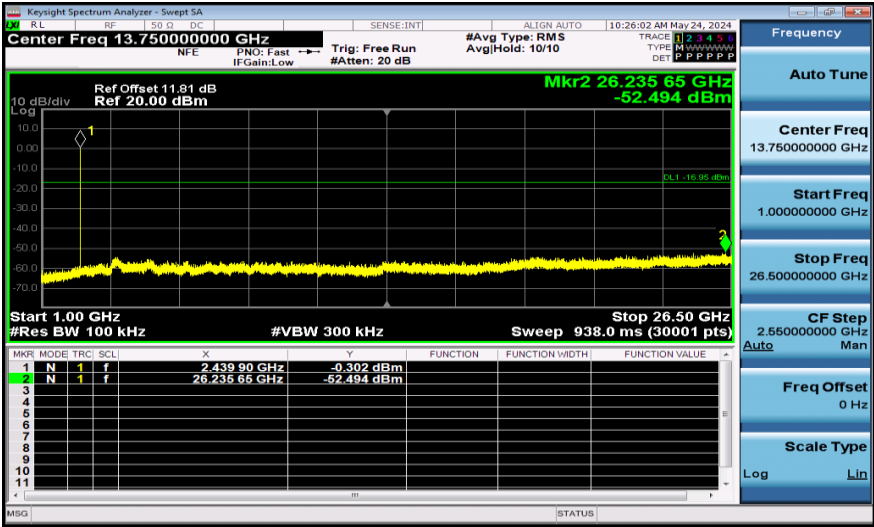
IC:28593-DSX39



BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



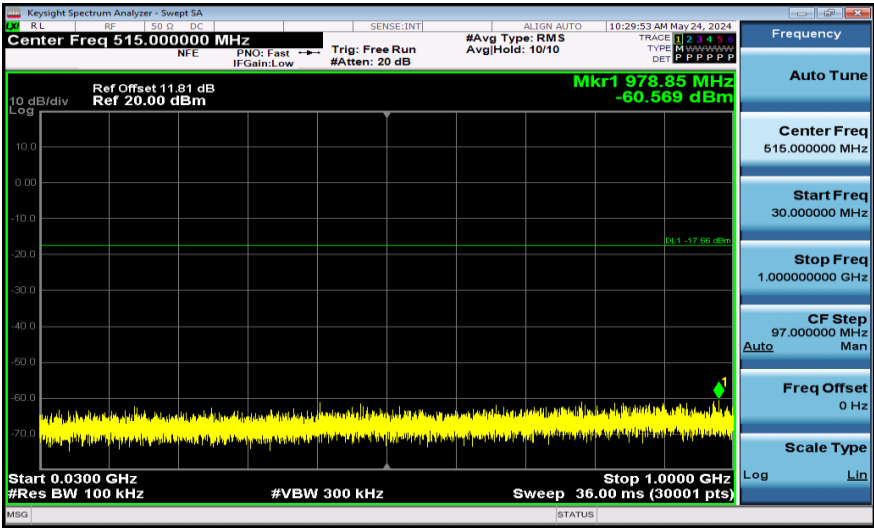
BLE_1M-Ant1-2440-1000~26500-PASS

FCC ID:2A64B-DSX39

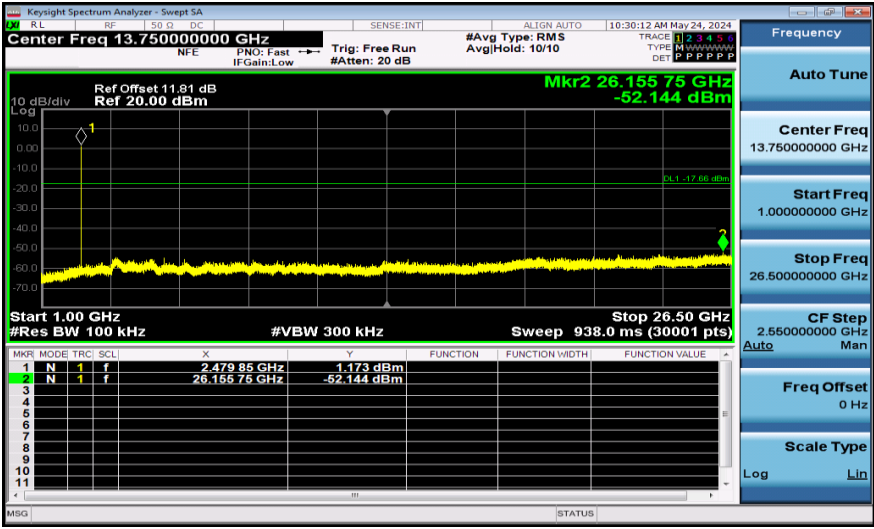
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BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS