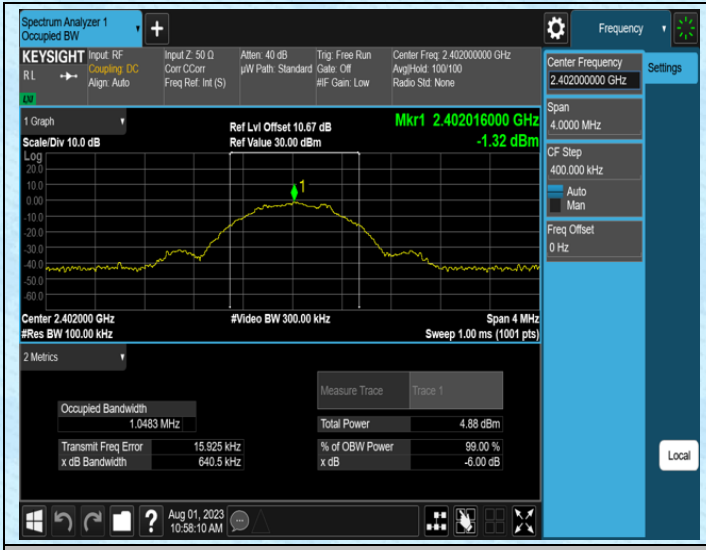
AppendixA: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.6405	0.5	PASS
BLE_1M	Ant1	2440	0.5811	0.5	PASS
BLE_1M	Ant1	2480	0.6247	0.5	PASS
BLE_2M	Ant1	2402	1.064	0.5	PASS
BLE_2M	Ant1	2440	1.175	0.5	PASS
BLE_2M	Ant1	2480	1.106	0.5	PASS

Test Graphs



BLE_1M-Ant1-2402

BLE_1M-Ant1-2440

BLE_1M-Ant1-2480

BLE_2M-Ant1-2402

BLE_2M-Ant1-2440

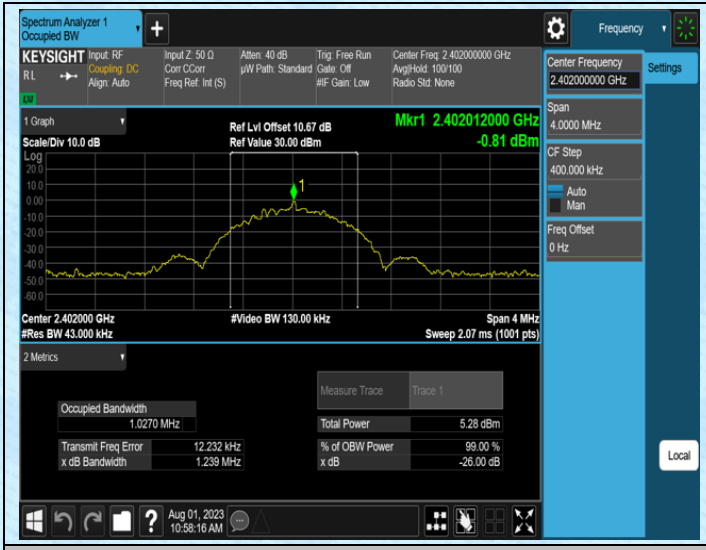
BLE_2M-Ant1-2480

AppendixB: Occupied Channel Bandwidth

Test Result

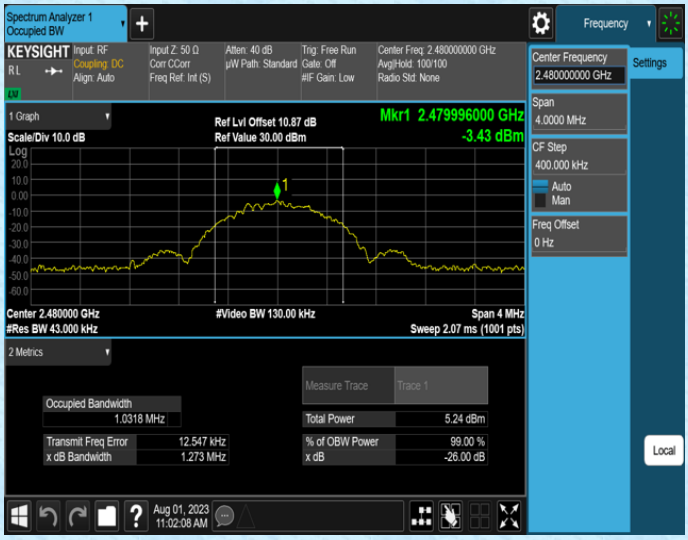
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0270	2401.4987	2402.5257	---	---
BLE_1M	Ant1	2440	1.0338	2439.4923	2440.5261	---	---
BLE_1M	Ant1	2480	1.0318	2479.4967	2480.5285	---	---
BLE_2M	Ant1	2402	2.0324	2401.0124	2403.0448	---	---
BLE_2M	Ant1	2440	2.0385	2438.9964	2441.0349	---	---
BLE_2M	Ant1	2480	2.0367	2479.0003	2481.0370	---	---

Test Graphs



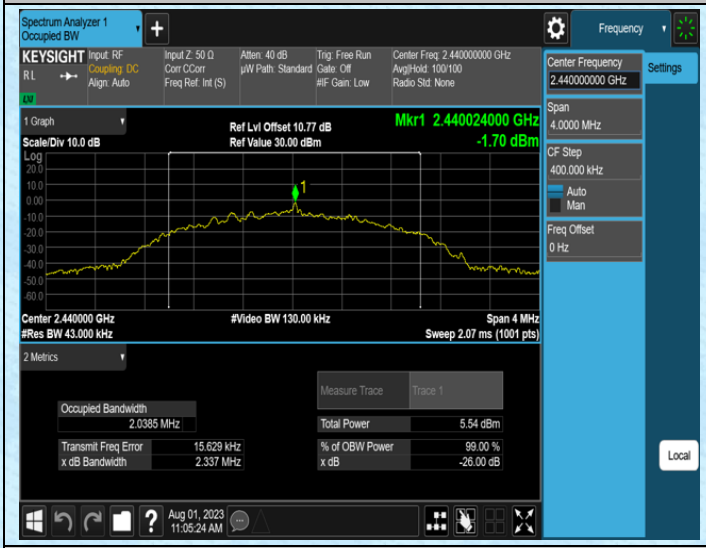
BLE_1M-Ant1-2402

BLE_1M-Ant1-2440



BLE_1M-Ant1-2480

BLE_2M-Ant1-2402



BLE_2M-Ant1-2440

BLE_2M-Ant1-2480

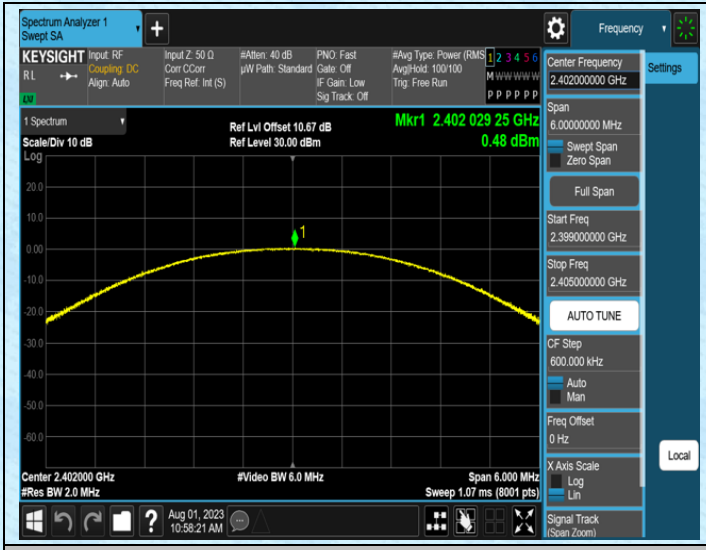
AppendixC: Maximum conducted output power

Test Result Peak

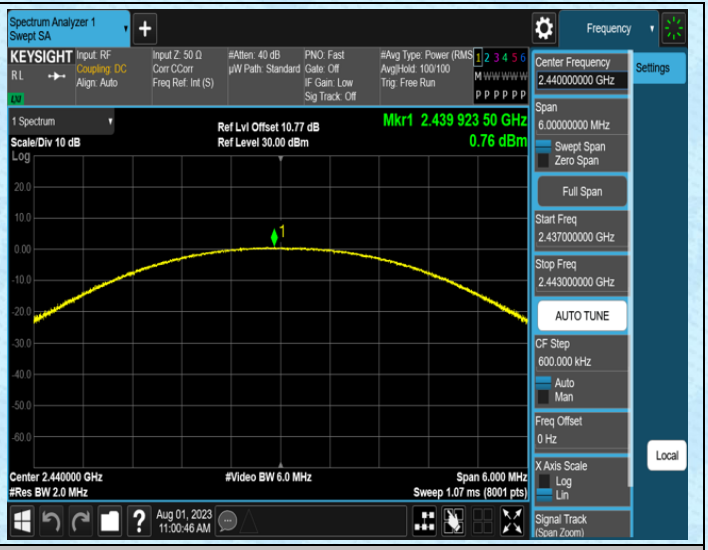
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Powert[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.48	≤30	3.15	≤36	PASS
BLE_1M	Ant1	2440	0.76	≤30	3.43	≤36	PASS
BLE_1M	Ant1	2480	0.82	≤30	3.49	≤36	PASS
BLE_2M	Ant1	2402	0.74	≤30	3.41	≤36	PASS
BLE_2M	Ant1	2440	1.01	≤30	3.68	≤36	PASS
BLE_2M	Ant1	2480	1.33	≤30	4.00	≤36	PASS

Conducted Power + Ant Gain =EIRP, ANT Gain= 2.67dBi.

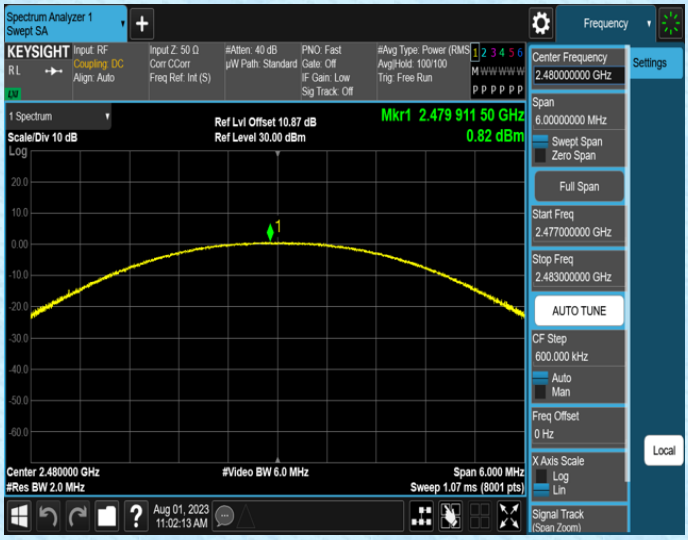
Test Graphs Peak



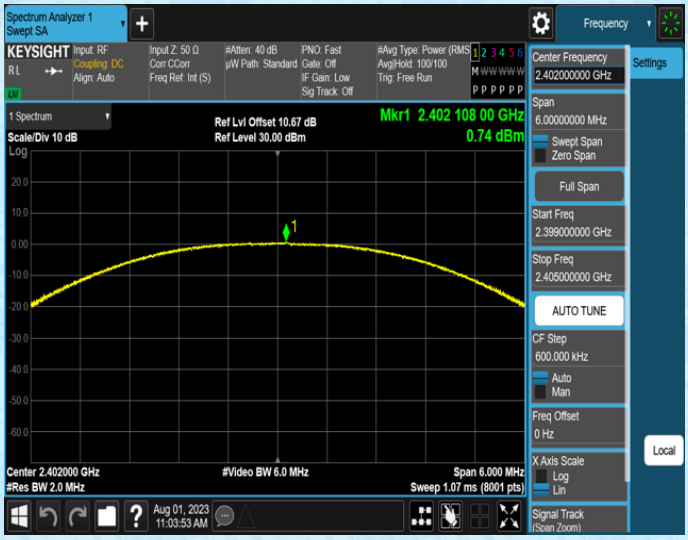
BLE_1M-Ant1-2402



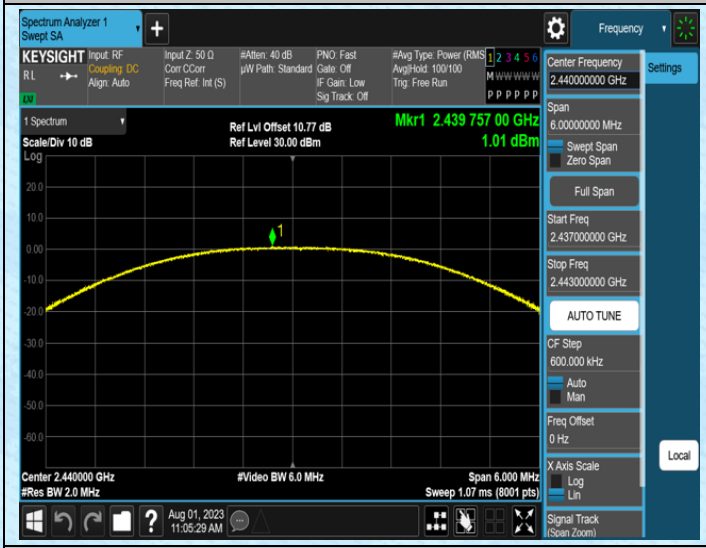
BLE_1M-Ant1-2440



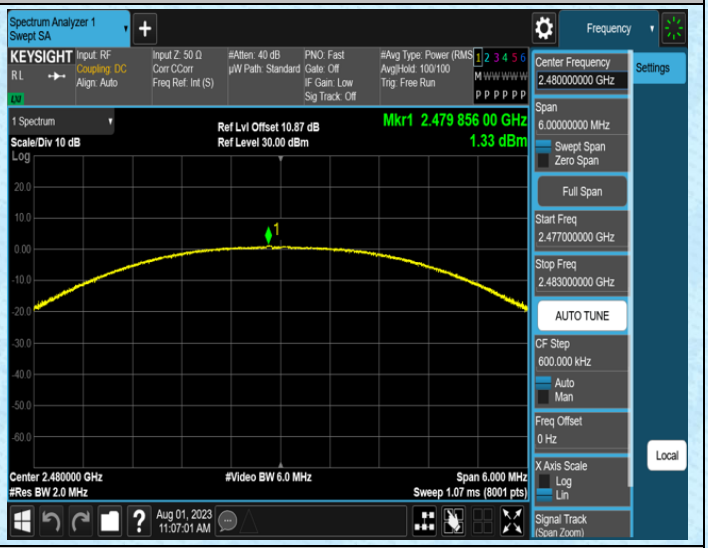
BLE_1M-Ant1-2480



BLE_2M-Ant1-2402



BLE_2M-Ant1-2440



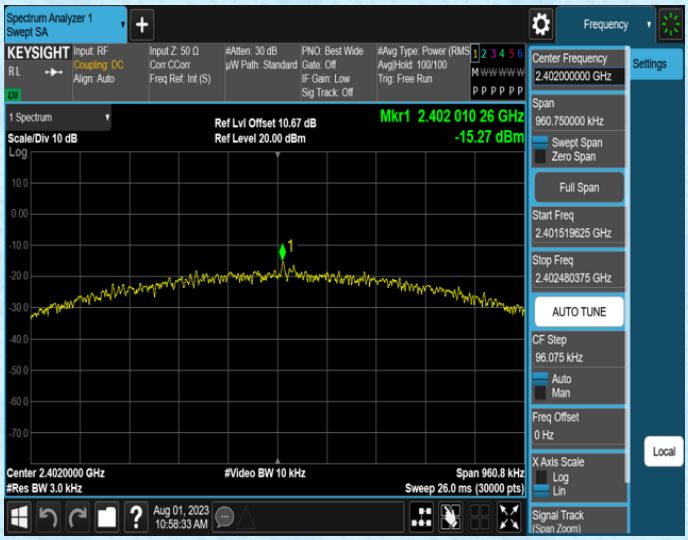
BLE_2M-Ant1-2480

AppendixD: Maximum power spectral density

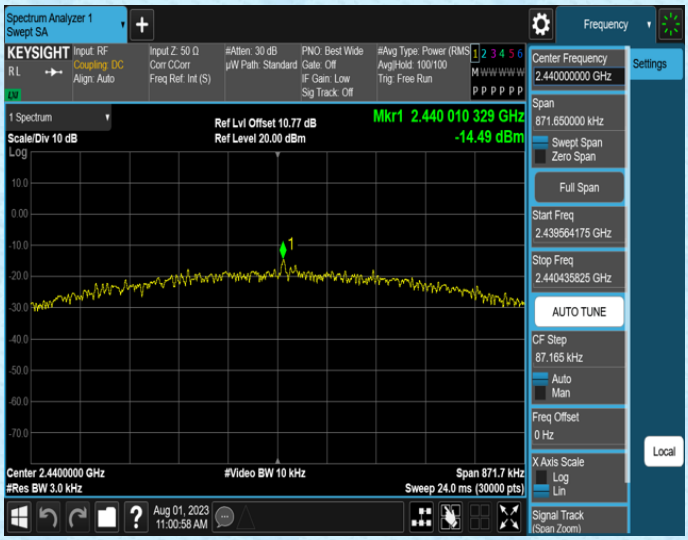
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.27	≤8.00	PASS
BLE_1M	Ant1	2440	-14.49	≤8.00	PASS
BLE_1M	Ant1	2480	-14.04	≤8.00	PASS
BLE_2M	Ant1	2402	-17.71	≤8.00	PASS
BLE_2M	Ant1	2440	-16.6	≤8.00	PASS
BLE_2M	Ant1	2480	-16.29	≤8.00	PASS

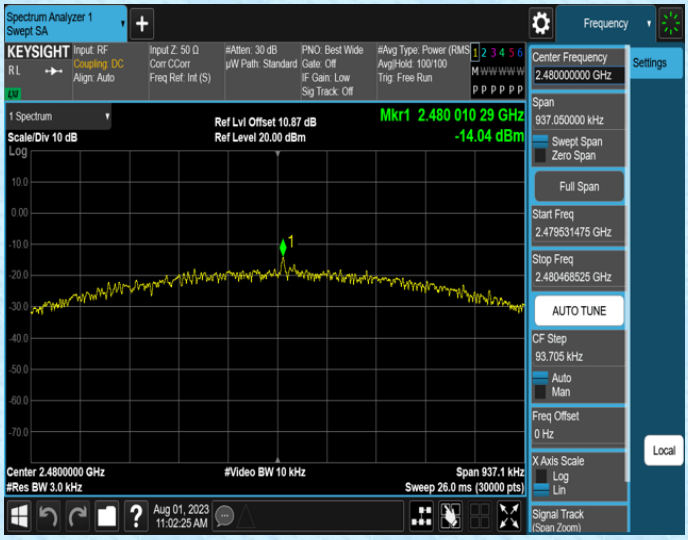
Test Graphs



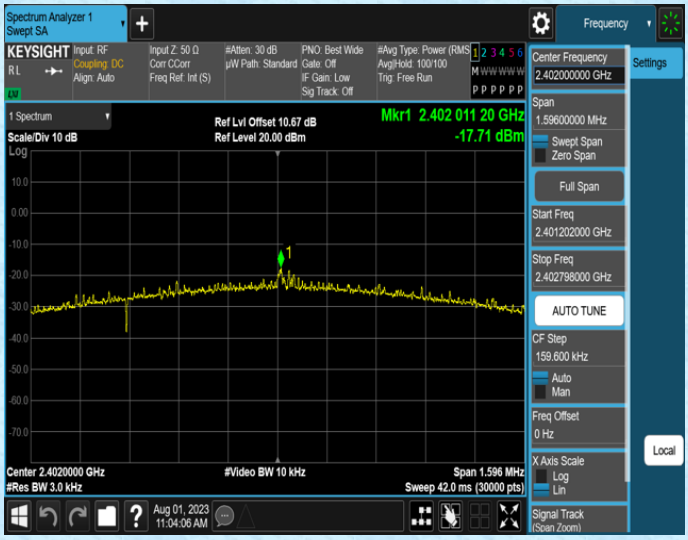
BLE_1M-Ant1-2402



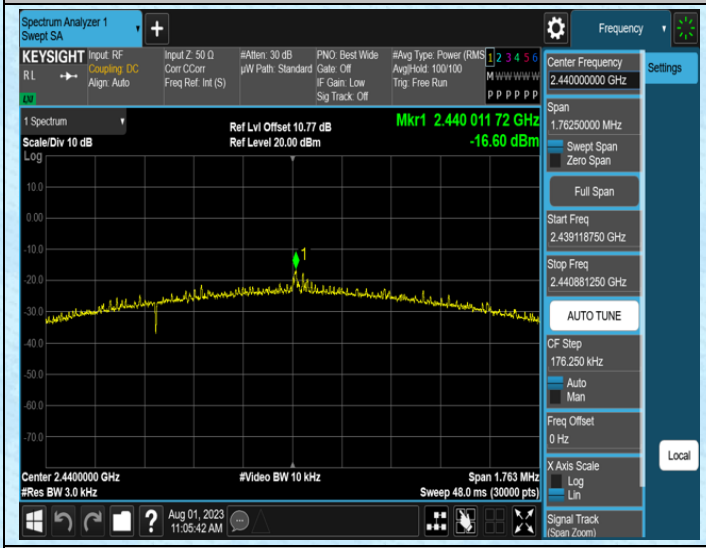
BLE_1M-Ant1-2440



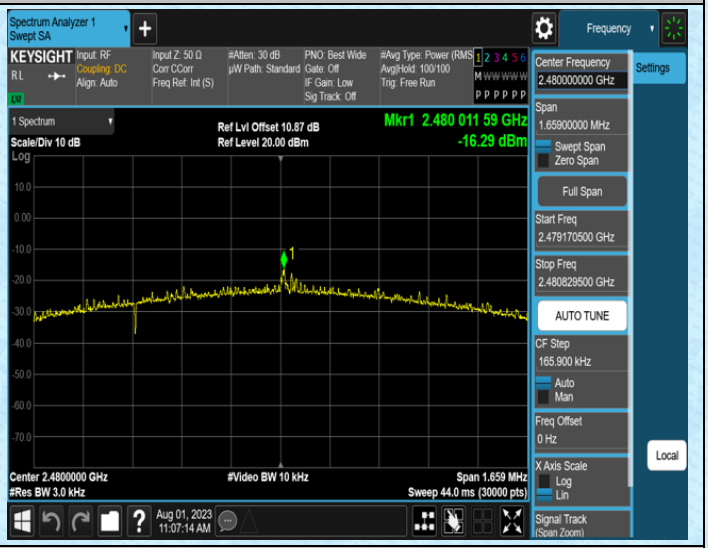
BLE_1M-Ant1-2480



BLE_2M-Ant1-2402



BLE_2M-Ant1-2440



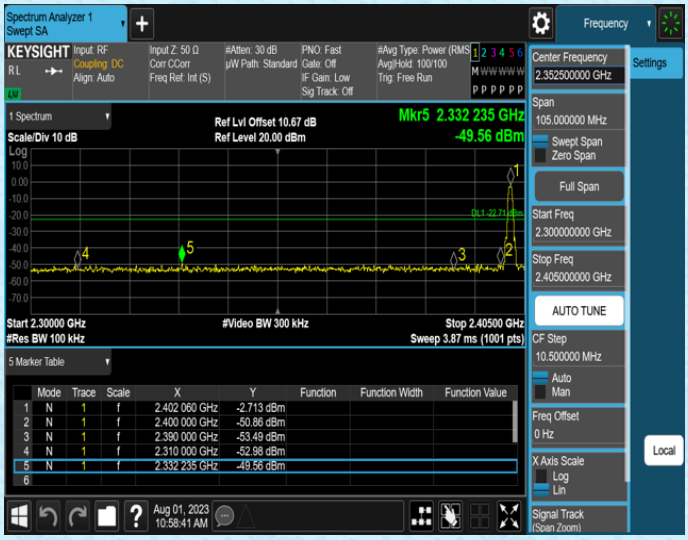
BLE_2M-Ant1-2480

AppendixE:Band edge measurements

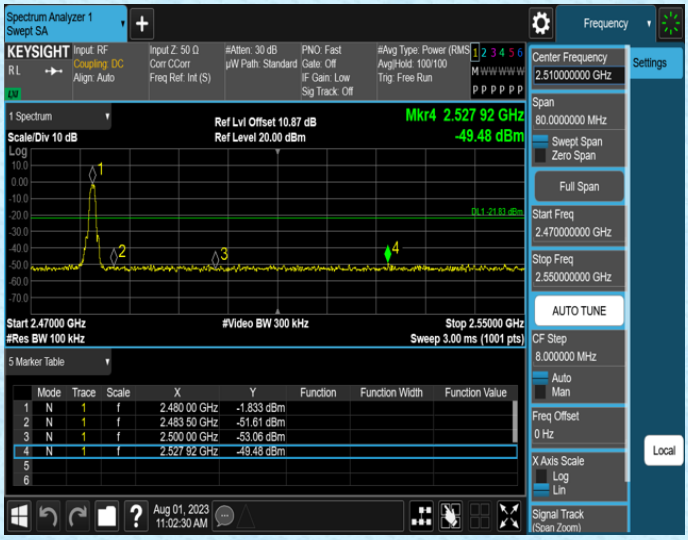
Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.71	-49.56	≤-22.71	PASS
BLE_1M	Ant1	High	2480	-1.83	-49.48	≤-21.83	PASS
BLE_2M	Ant1	Low	2402	-3.83	-48.62	≤-23.83	PASS
BLE_2M	Ant1	High	2480	-1.53	-49.31	≤-21.53	PASS

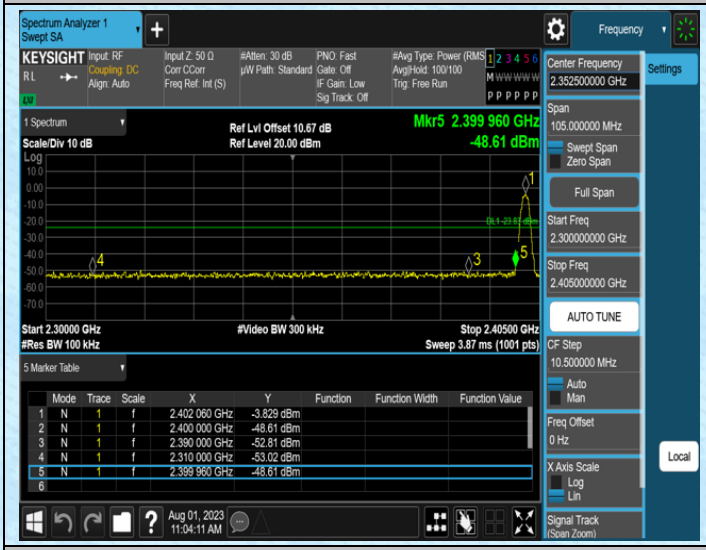
Test Graphs



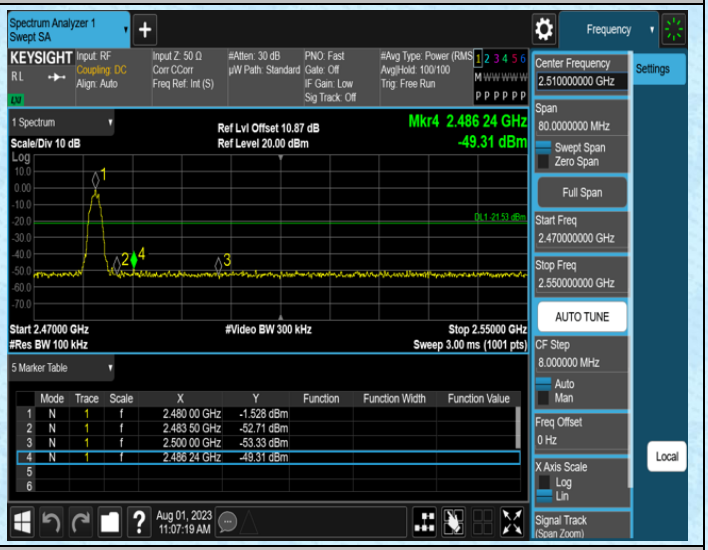
BLE_1M-Ant1-2402



BLE_1M-Ant1-2480



BLE_2M-Ant1-2402



BLE_2M-Ant1-2480

AppendixF:Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.47	-2.47	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.47	-62.24	≤-22.47	PASS
BLE_1M	Ant1	2402	1000~26500	-2.47	-49.74	≤-22.47	PASS
BLE_1M	Ant1	2440	0~Reference	-2.87	-2.87	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.87	-61.83	≤-22.87	PASS
BLE_1M	Ant1	2440	1000~26500	-2.87	-49.57	≤-22.87	PASS
BLE_1M	Ant1	2480	0~Reference	-2.14	-2.14	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.14	-60.67	≤-22.14	PASS
BLE_1M	Ant1	2480	1000~26500	-2.14	-50.12	≤-22.14	PASS
BLE_2M	Ant1	2402	0~Reference	-3.98	-3.98	---	PASS
BLE_2M	Ant1	2402	30~1000	-3.98	-61.64	≤-23.98	PASS
BLE_2M	Ant1	2402	1000~26500	-3.98	-49.84	≤-23.98	PASS
BLE_2M	Ant1	2440	0~Reference	-4.02	-4.02	---	PASS
BLE_2M	Ant1	2440	30~1000	-4.02	-61.67	≤-24.02	PASS
BLE_2M	Ant1	2440	1000~26500	-4.02	-49.79	≤-24.02	PASS
BLE_2M	Ant1	2480	0~Reference	-3.70	-3.70	---	PASS
BLE_2M	Ant1	2480	30~1000	-3.70	-61.33	≤-23.7	PASS
BLE_2M	Ant1	2480	1000~26500	-3.70	-49.64	≤-23.7	PASS