

## AppendixA: DTS Bandwidth

### Test Result

TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	0.6814	0.5	PASS
BLE_1M	Ant1	2440	0.6594	0.5	PASS
BLE_1M	Ant1	2480	0.6185	0.5	PASS
BLE_2M	Ant1	2402	0.5696	0.5	PASS
BLE_2M	Ant1	2440	0.6149	0.5	PASS
BLE_2M	Ant1	2480	0.6201	0.5	PASS

### Test Graphs





BLE\_2M-Ant1-2440



BLE\_2M-Ant1-2480

## AppendixB: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0778	2401.4747	2402.5525	---	---
BLE_1M	Ant1	2440	1.0521	2439.4829	2440.5350	---	---
BLE_1M	Ant1	2480	1.0445	2479.4832	2480.5277	---	---
BLE_2M	Ant1	2402	2.0772	2400.9806	2403.0578	---	---
BLE_2M	Ant1	2440	2.0788	2438.9821	2441.0609	---	---
BLE_2M	Ant1	2480	2.0640	2478.9834	2481.0474	---	---

### Test Graphs





BLE\_2M-Ant1-2440



BLE\_2M-Ant1-2480

## AppendixC: 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	4.51	≤30	5.86	≤36	PASS
BLE_1M	Ant1	2440	4.91	≤30	6.26	≤36	PASS
BLE_1M	Ant1	2480	5.04	≤30	6.39	≤36	PASS
BLE_2M	Ant1	2402	4.43	≤30	5.78	≤36	PASS
BLE_2M	Ant1	2440	4.89	≤30	6.24	≤36	PASS
BLE_2M	Ant1	2480	5.07	≤30	6.42	≤36	PASS

## Test Graphs Peak

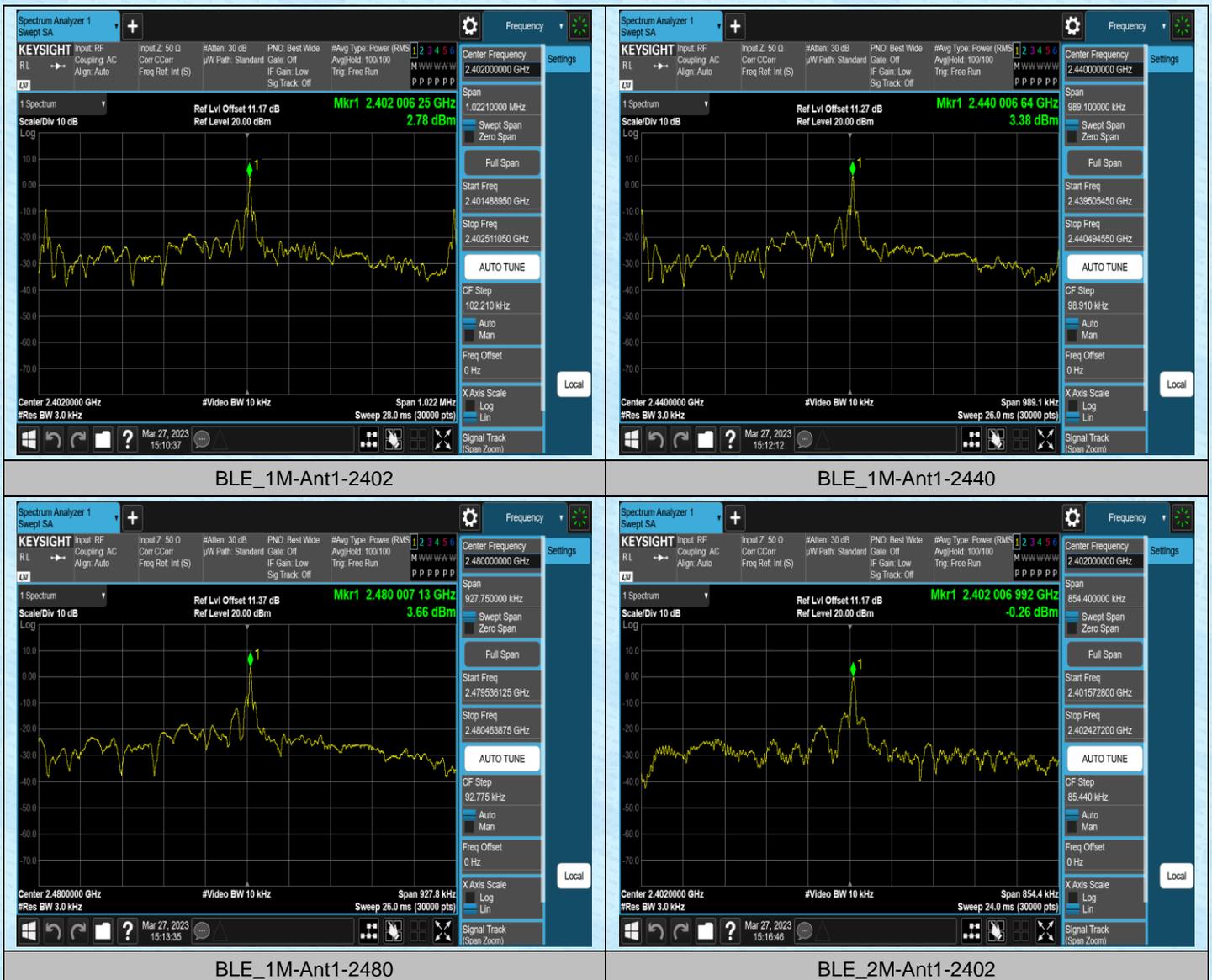


## AppendixD: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	2.78	≤8.00	PASS
BLE_1M	Ant1	2440	3.38	≤8.00	PASS
BLE_1M	Ant1	2480	3.66	≤8.00	PASS
BLE_2M	Ant1	2402	-0.26	≤8.00	PASS
BLE_2M	Ant1	2440	0.2	≤8.00	PASS
BLE_2M	Ant1	2480	0.51	≤8.00	PASS

### Test Graphs



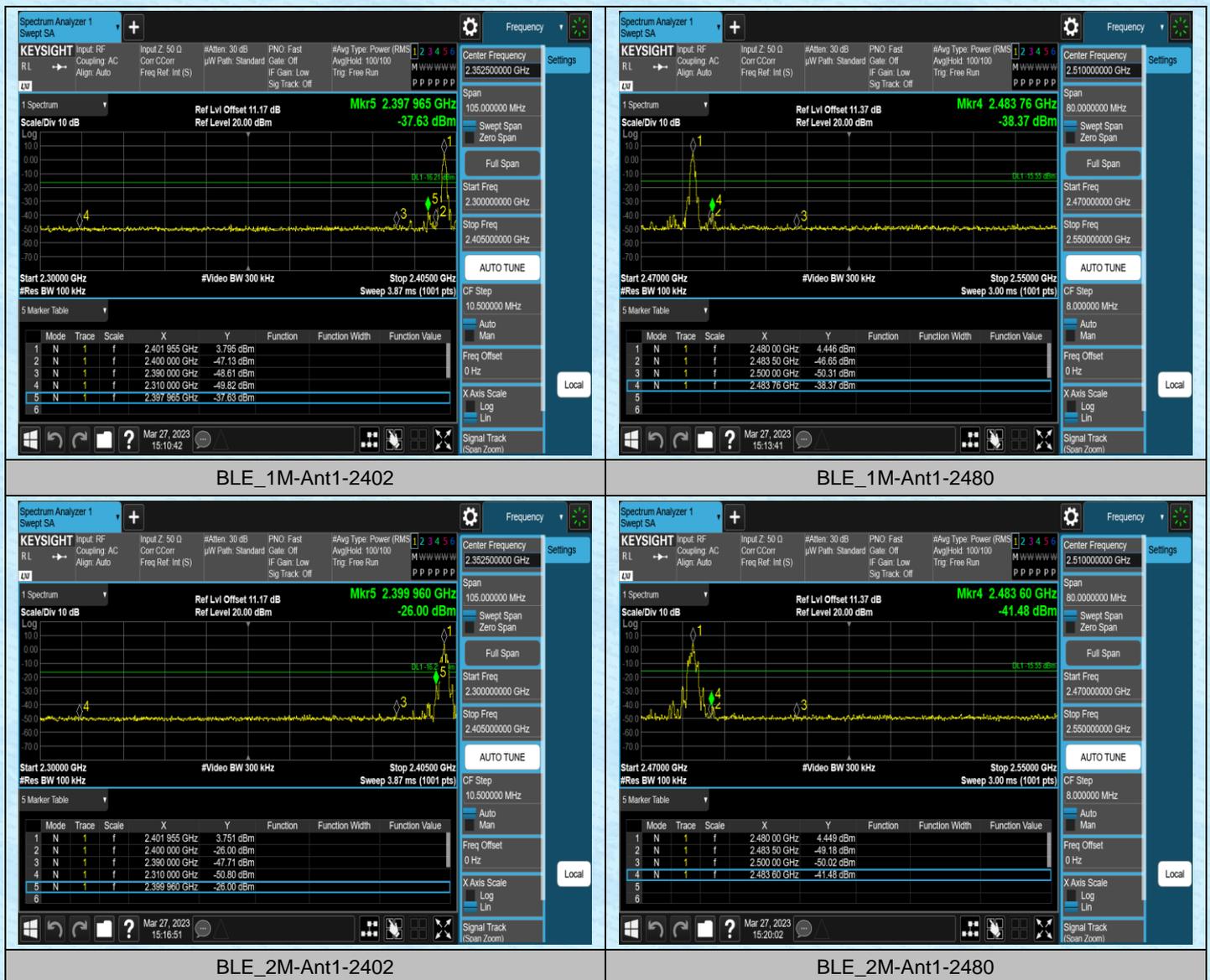


## Appendix F: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.80	-37.63	≤-16.21	PASS
BLE_1M	Ant1	High	2480	4.45	-38.37	≤-15.55	PASS
BLE_2M	Ant1	Low	2402	3.75	-26	≤-16.25	PASS
BLE_2M	Ant1	High	2480	4.45	-41.48	≤-15.55	PASS

### Test Graphs

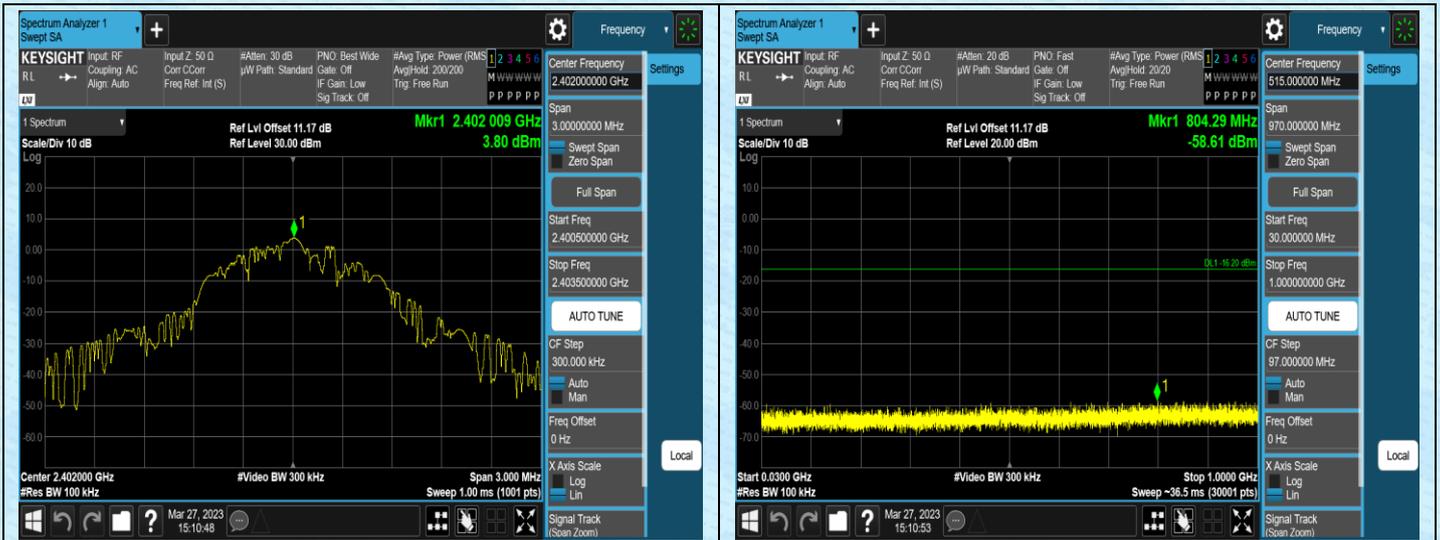


## AppendixG:Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	3.80	3.80	---	PASS
BLE_1M	Ant1	2402	30~1000	3.80	-58.61	≤-16.2	PASS
BLE_1M	Ant1	2402	1000~26500	3.80	-40.9	≤-16.2	PASS
BLE_1M	Ant1	2440	0~Reference	4.21	4.21	---	PASS
BLE_1M	Ant1	2440	30~1000	4.21	-57.6	≤-15.79	PASS
BLE_1M	Ant1	2440	1000~26500	4.21	-40.74	≤-15.79	PASS
BLE_1M	Ant1	2480	0~Reference	4.46	4.46	---	PASS
BLE_1M	Ant1	2480	30~1000	4.46	-58.13	≤-15.54	PASS
BLE_1M	Ant1	2480	1000~26500	4.46	-40.73	≤-15.54	PASS
BLE_2M	Ant1	2402	0~Reference	3.76	3.76	---	PASS
BLE_2M	Ant1	2402	30~1000	3.76	-57.85	≤-16.24	PASS
BLE_2M	Ant1	2402	1000~26500	3.76	-41.14	≤-16.24	PASS
BLE_2M	Ant1	2440	0~Reference	4.17	4.17	---	PASS
BLE_2M	Ant1	2440	30~1000	4.17	-57.81	≤-15.83	PASS
BLE_2M	Ant1	2440	1000~26500	4.17	-40.5	≤-15.83	PASS
BLE_2M	Ant1	2480	0~Reference	4.45	4.45	---	PASS
BLE_2M	Ant1	2480	30~1000	4.45	-57.72	≤-15.55	PASS
BLE_2M	Ant1	2480	1000~26500	4.45	-40.81	≤-15.55	PASS

## Test Graphs



BLE\_1M-Ant1-2402-0~Reference

BLE\_1M-Ant1-2402-30~1000



BLE\_1M-Ant1-2402-1000~26500



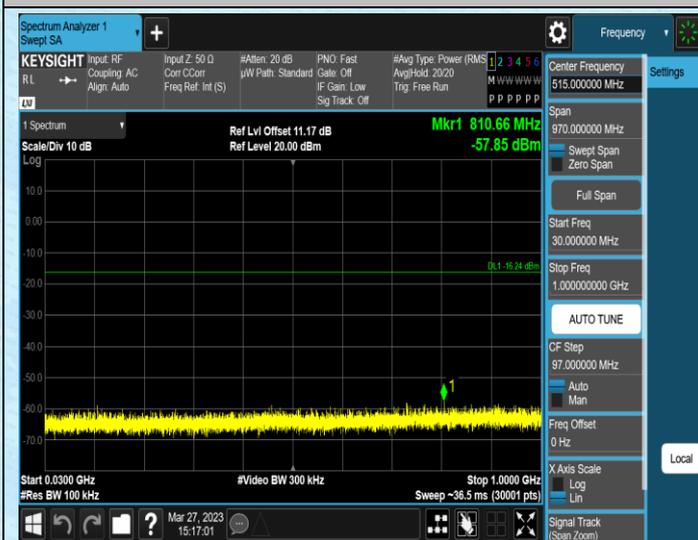
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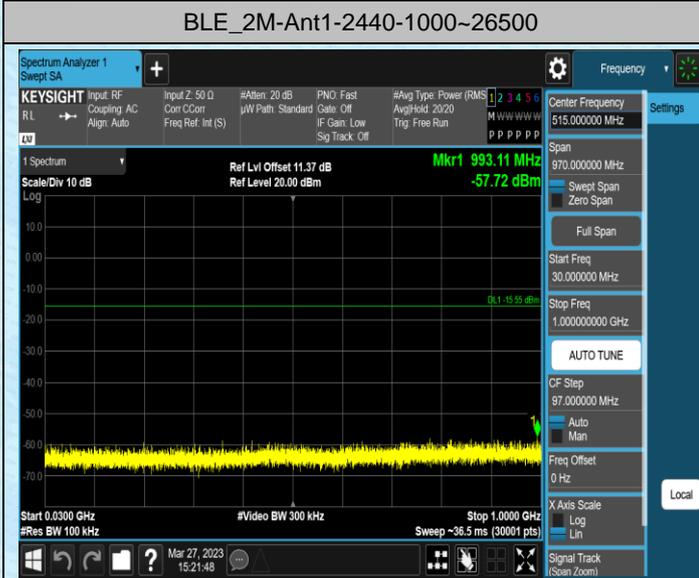


BLE\_1M-Ant1-2440-30~1000



BLE\_1M-Ant1-2440-1000~26500



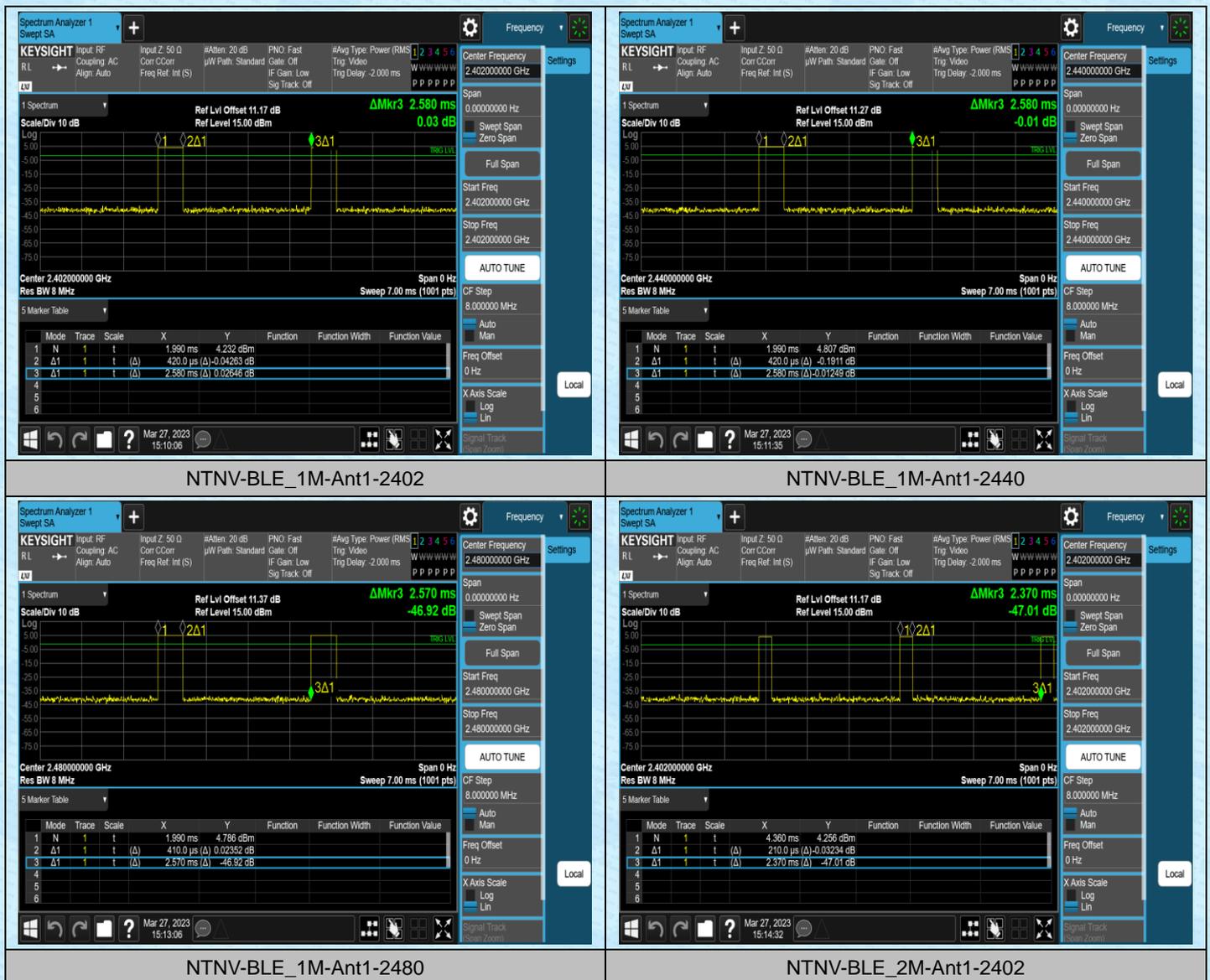


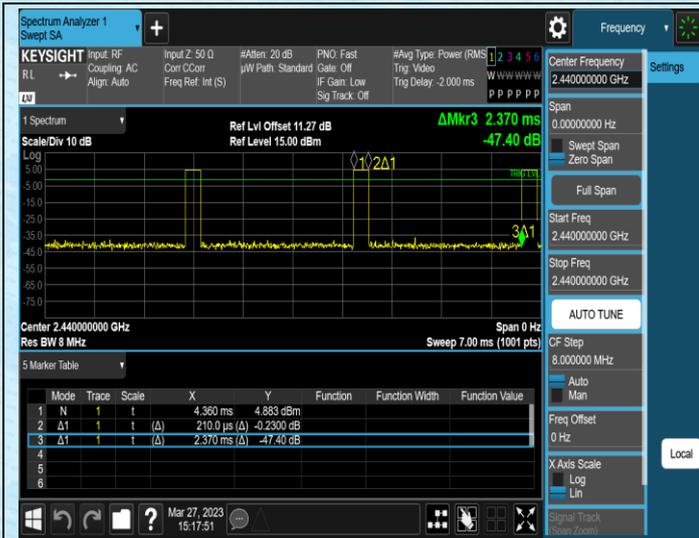
## AppendixH: Duty Cycle

### Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.42	2.58	16.28	7.88
BLE_1M	Ant1	2440	0.42	2.58	16.28	7.88
BLE_1M	Ant1	2480	0.41	2.57	15.95	7.97
BLE_2M	Ant1	2402	0.21	2.37	8.86	10.53
BLE_2M	Ant1	2440	0.21	2.37	8.86	10.53
BLE_2M	Ant1	2480	0.21	2.37	8.86	10.53

### Test Graphs





NTNV-BLE\_2M-Ant1-2440



NTNV-BLE\_2M-Ant1-2480

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