

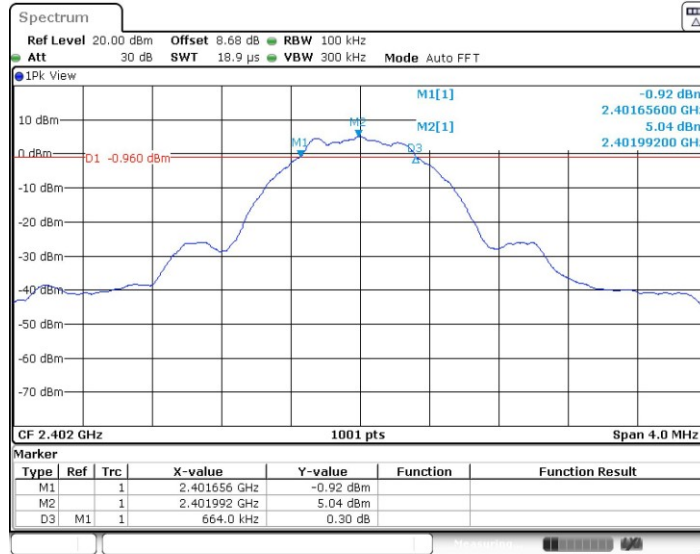
## Appendix B: DTS Bandwidth

### Test Result

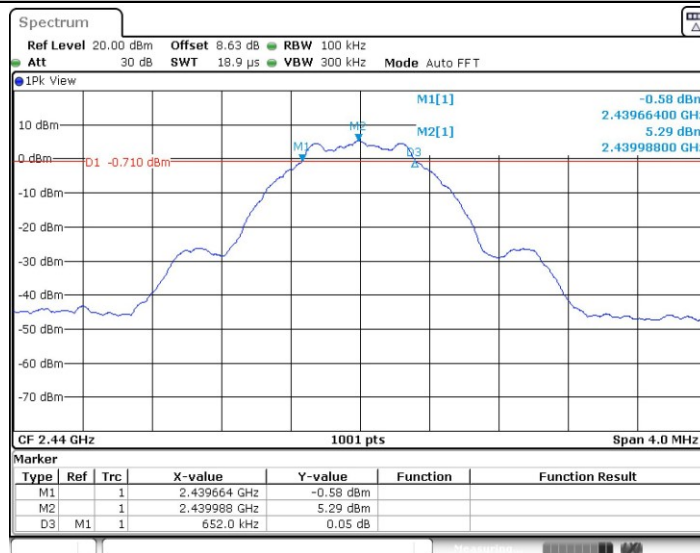
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	2401.66	2402.32	0.5	PASS
		2440	0.65	2439.66	2440.32	0.5	PASS
		2480	0.65	2479.66	2480.31	0.5	PASS
BLE_2M	Ant1	2402	1.12	2401.44	2402.55	0.5	PASS
		2440	1.12	2439.44	2440.56	0.5	PASS
		2480	1.12	2479.44	2480.56	0.5	PASS

# Test Graphs

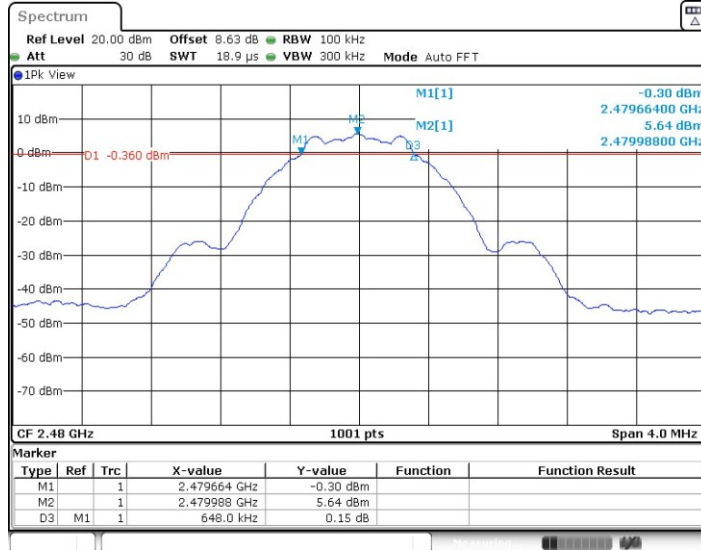
BLE\_1M\_Ant1\_2402



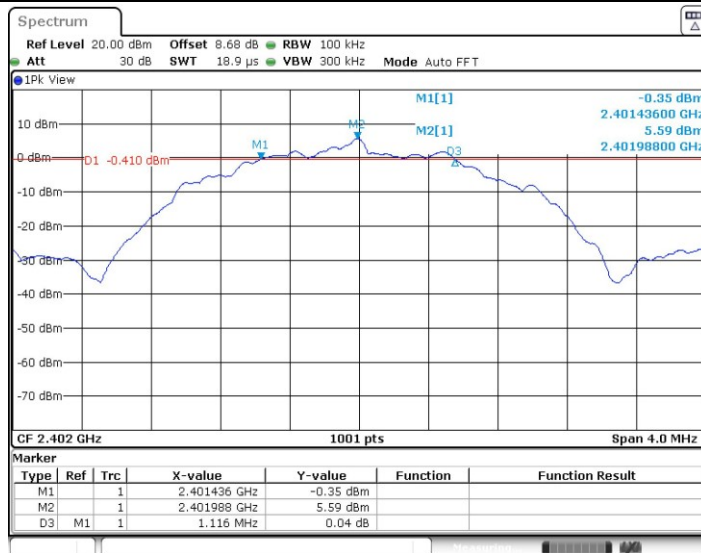
BLE\_1M\_Ant1\_2440



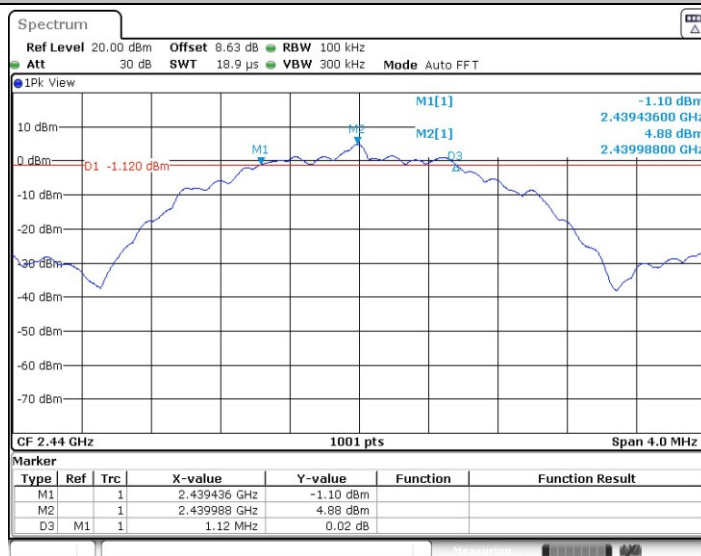
BLE\_1M\_Ant1\_2480



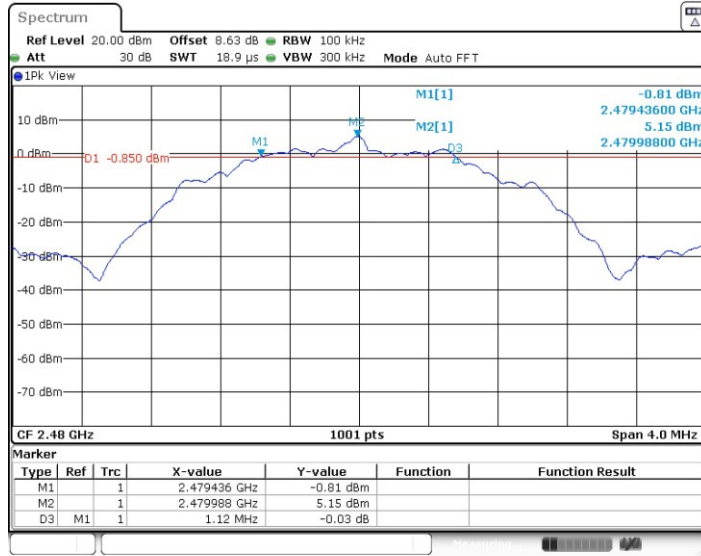
BLE\_2M\_Ant1\_2402



BLE\_2M\_Ant1\_2440



# BLE\_2M\_Ant1\_2480



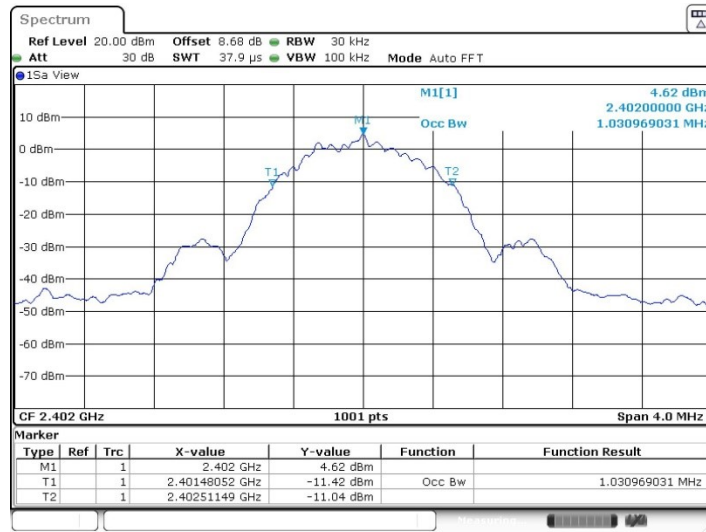
## Appendix C: Occupied Channel Bandwidth

### Test Result

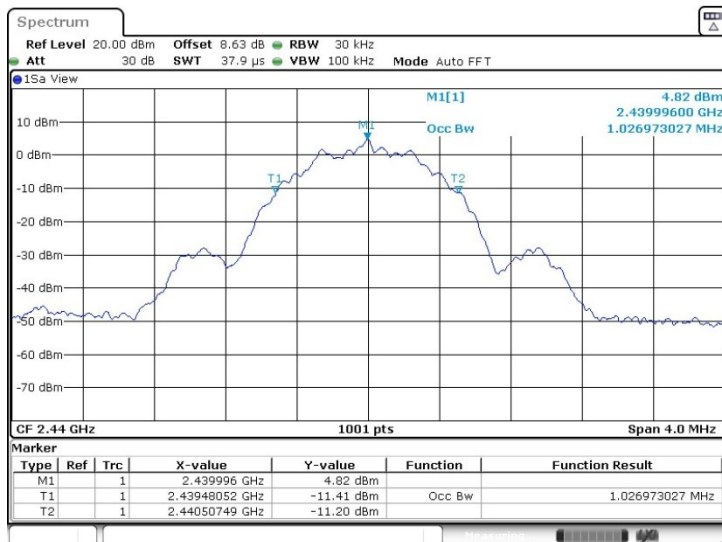
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.031	2401.481	2402.512	---	---
		2440	1.027	2439.481	2440.508	---	---
		2480	1.023	2479.485	2480.508	---	---
BLE_2M	Ant1	2402	2.054	2400.985	2403.039	---	---
		2440	2.046	2438.985	2441.031	---	---
		2480	2.05	2478.981	2481.031	---	---

# Test Graphs

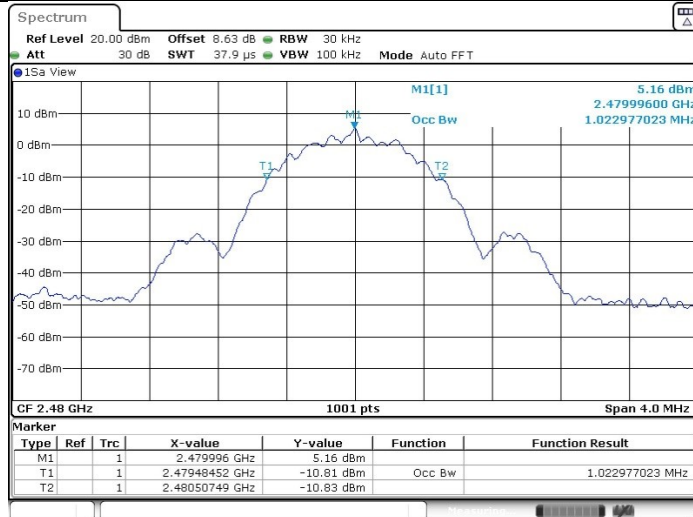
BLE\_1M\_Ant1\_2402



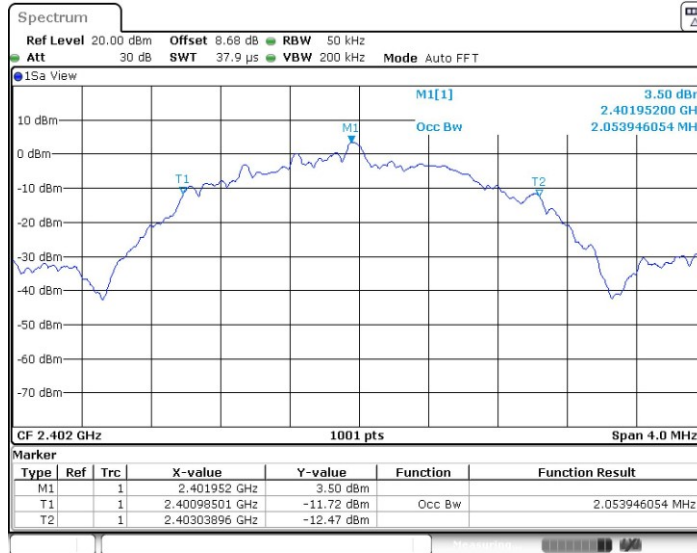
BLE\_1M\_Ant1\_2440



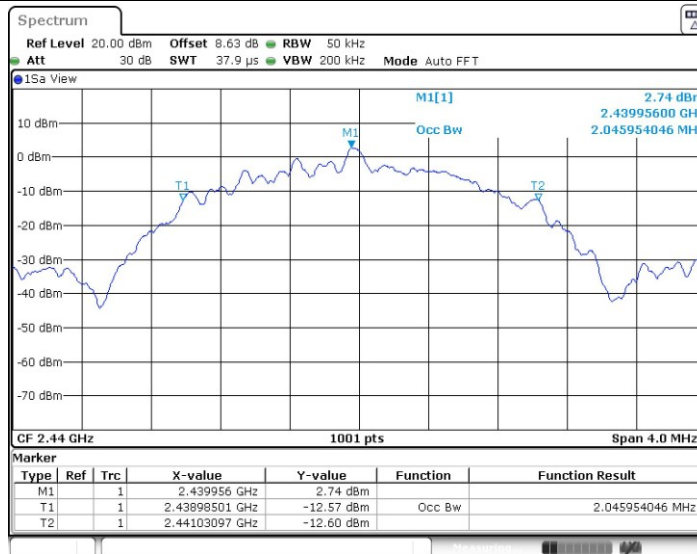
BLE\_1M\_Ant1\_2480



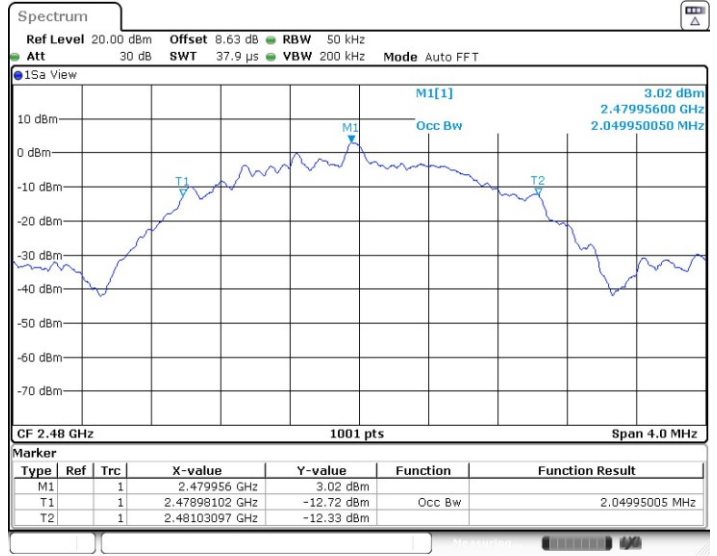
BLE\_2M\_Ant1\_2402



BLE\_2M\_Ant1\_2440



BLE\_2M\_Ant1\_2480





## Appendix D: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Channel	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.25	≤30	5.86	≤36	PASS
		2440	5.54	≤30	5.15	≤36	PASS
		2480	5.87	≤30	5.48	≤36	PASS
BLE_2M	Ant1	2402	5.93	≤30	5.54	≤36	PASS
		2440	5.21	≤30	4.82	≤36	PASS
		2480	5.45	≤30	5.06	≤36	PASS

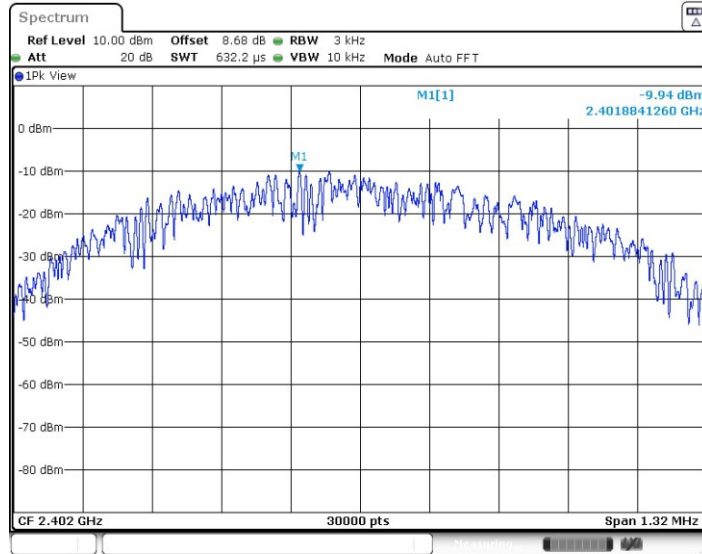
## Appendix E: Maximum power spectral density

### Test Result

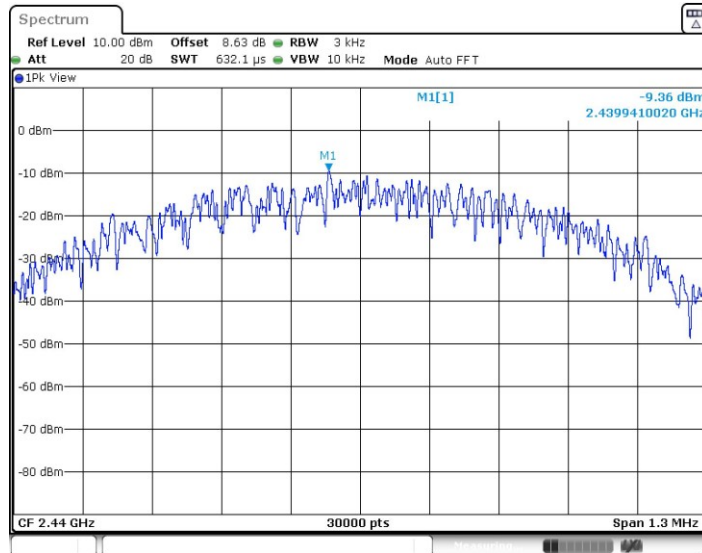
TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.94	≤8.00	PASS
		2440	-9.36	≤8.00	PASS
		2480	-10.17	≤8.00	PASS
BLE_2M	Ant1	2402	-13.47	≤8.00	PASS
		2440	-13.37	≤8.00	PASS
		2480	-13.72	≤8.00	PASS

# Test Graphs

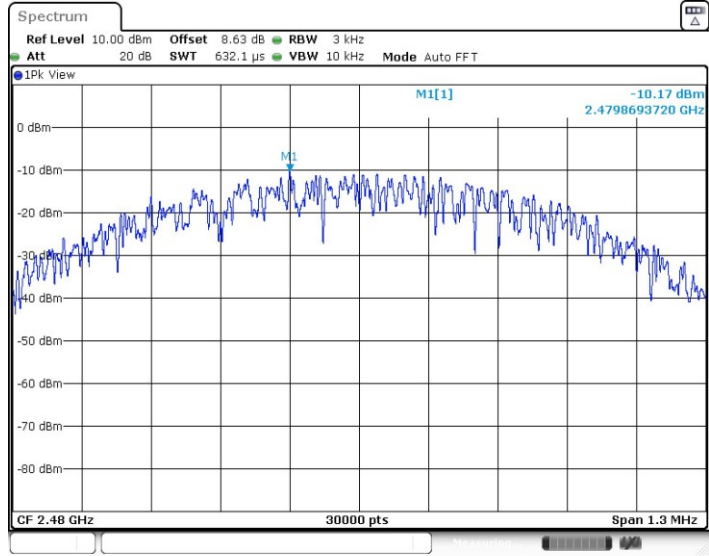
BLE\_1M\_Ant1\_2402



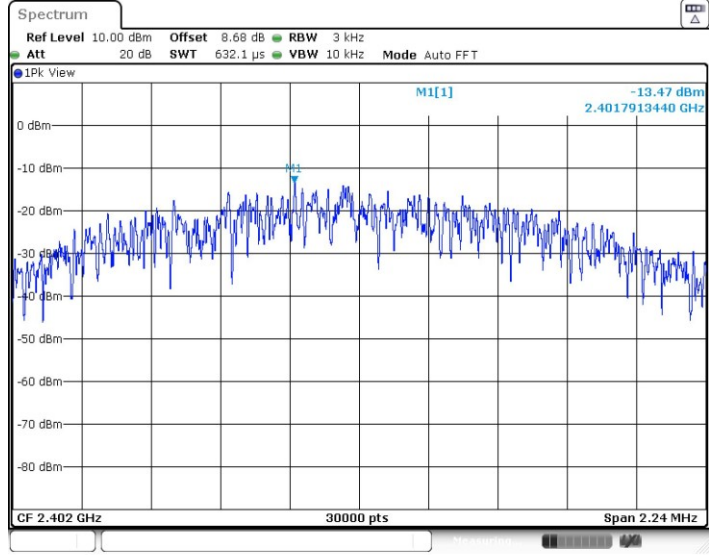
BLE\_1M\_Ant1\_2440



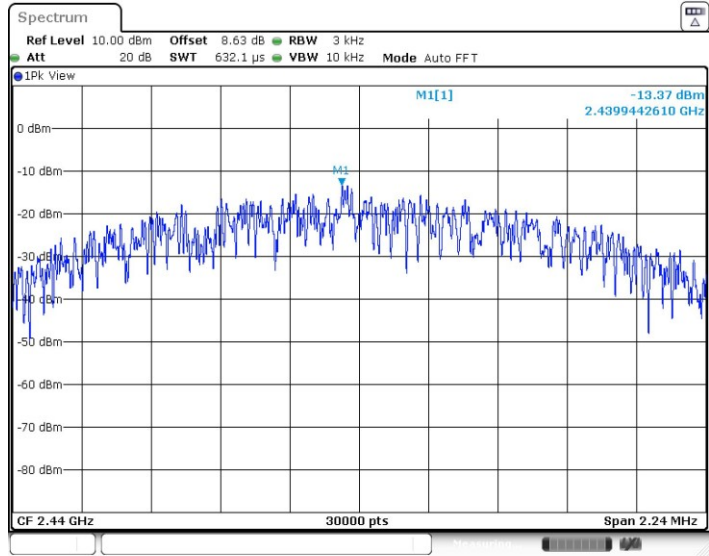
BLE\_1M\_Ant1\_2480



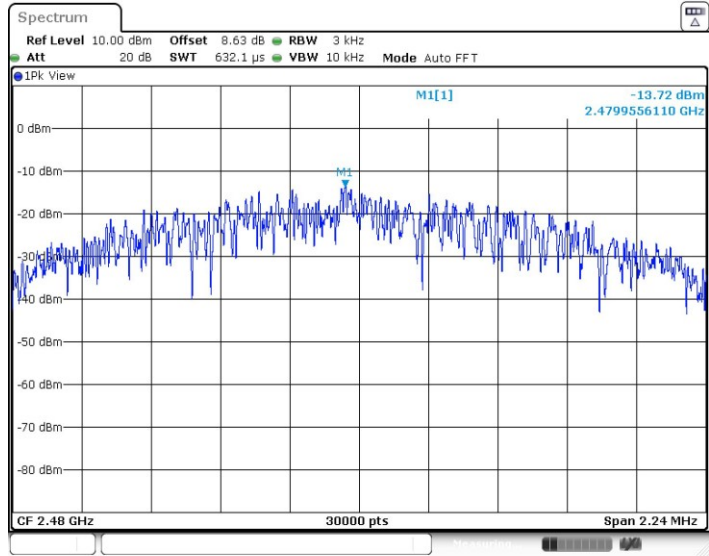
BLE\_2M\_Ant1\_2402



BLE\_2M\_Ant1\_2440



# BLE\_2M\_Ant1\_2480



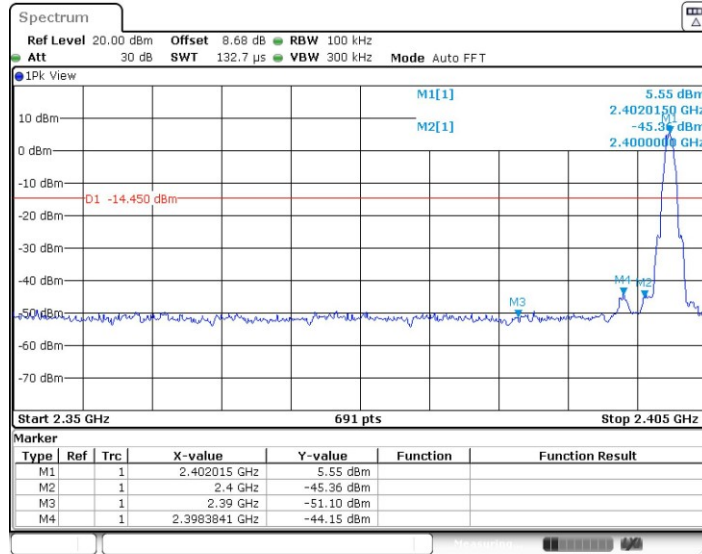
## Appendix F: Band edge measurements

### Test Result

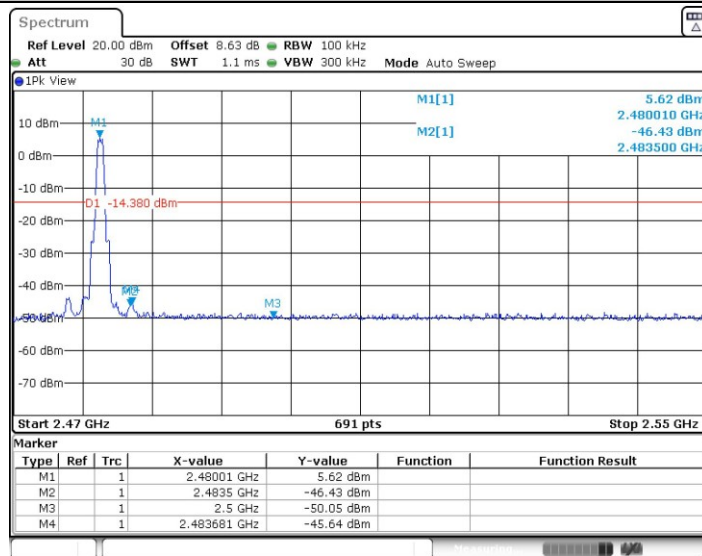
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.55	-44.15	≤-14.45	PASS
		High	2480	5.62	-45.64	≤-14.38	PASS
BLE_2M	Ant1	Low	2402	4.84	-27.65	≤-15.16	PASS
		High	2480	5.16	-45.54	≤-14.84	PASS

# Test Graphs

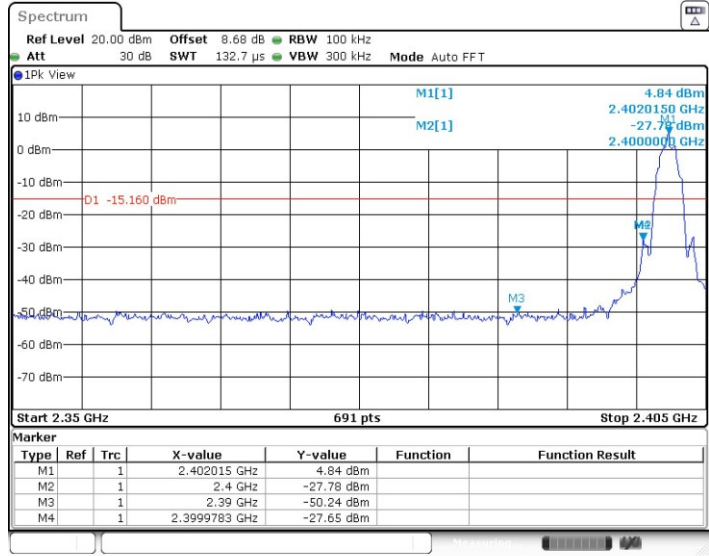
BLE\_1M\_Ant1\_Low\_2402



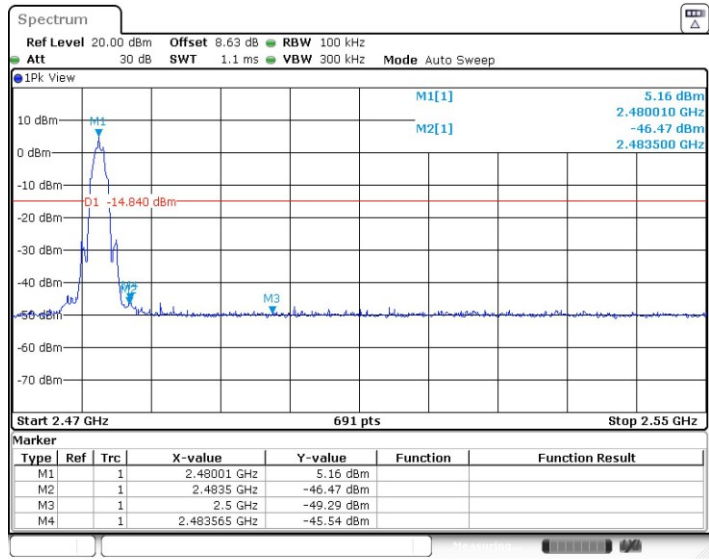
BLE\_1M\_Ant1\_High\_2480



BLE\_2M\_Ant1\_Low\_2402



BLE\_2M\_Ant1\_High\_2480





## Appendix G: Conducted Spurious Emission

### Test Result

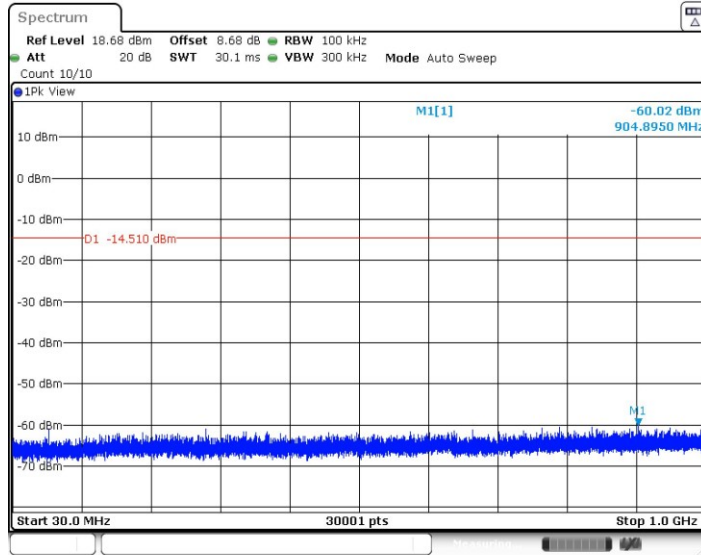
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	5.49	5.49	---	PASS
			30~1000	5.49	-60.02	≤-14.51	PASS
			1000~26500	5.49	-49.21	≤-14.51	PASS
		2440	Reference	5.26	5.26	---	PASS
			30~1000	5.26	-59.38	≤-14.74	PASS
			1000~26500	5.26	-49.71	≤-14.74	PASS
		2480	Reference	5.11	5.11	---	PASS
			30~1000	5.11	-58.43	≤-14.89	PASS
			1000~26500	5.11	-49.51	≤-14.89	PASS
BLE_2M	Ant1	2402	Reference	4.89	4.89	---	PASS
			30~1000	4.89	-59.74	≤-15.11	PASS
			1000~26500	4.89	-49.08	≤-15.11	PASS
		2440	Reference	4.86	4.86	---	PASS
			30~1000	4.86	-60.08	≤-15.14	PASS
			1000~26500	4.86	-49	≤-15.14	PASS
		2480	Reference	5.11	5.11	---	PASS
			30~1000	5.11	-59.26	≤-14.89	PASS
			1000~26500	5.11	-48.16	≤-14.89	PASS

# Test Graphs

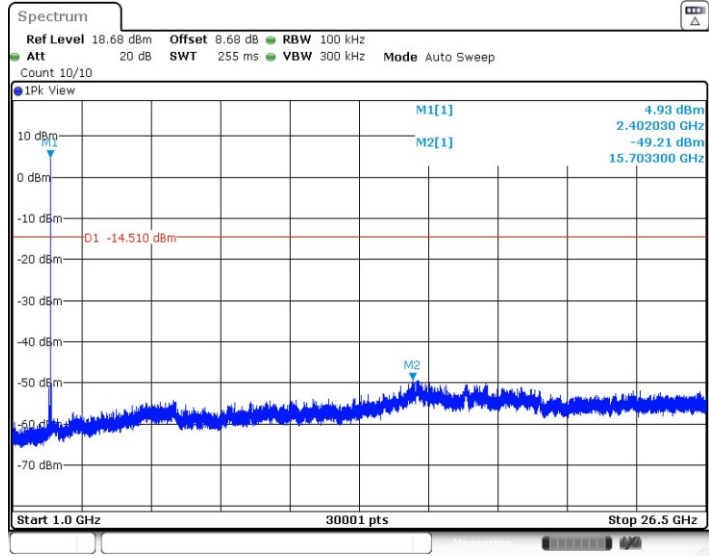
BLE\_1M\_Ant1\_2402\_0~Reference



BLE\_1M\_Ant1\_2402\_30~1000



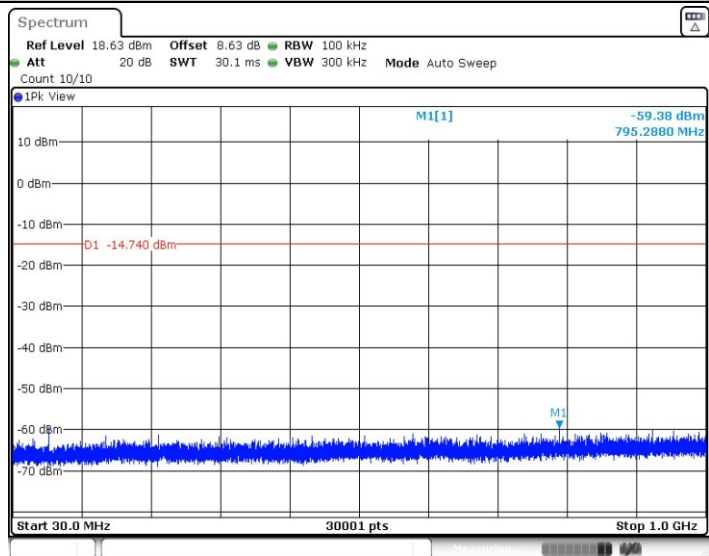
BLE\_1M\_Ant1\_2402\_1000~26500



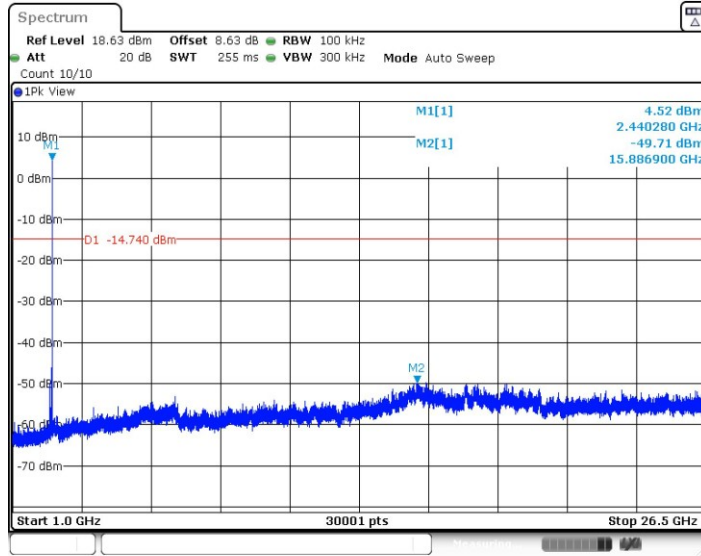
BLE\_1M\_Ant1\_2440\_0~Reference



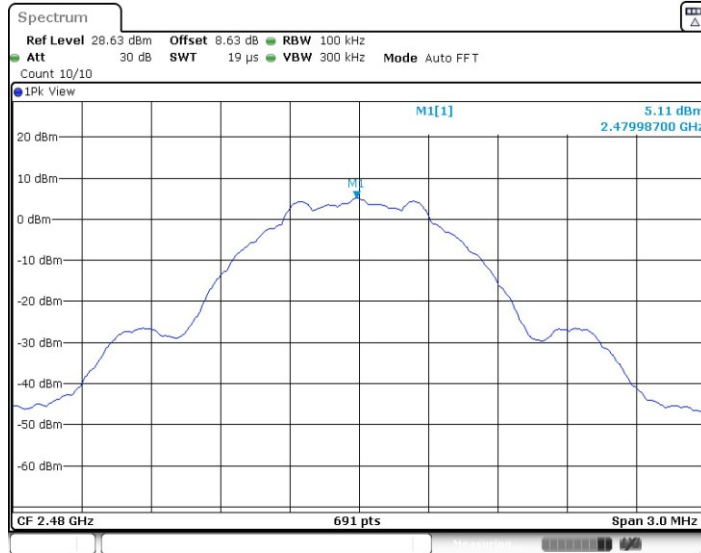
BLE\_1M\_Ant1\_2440\_30~1000



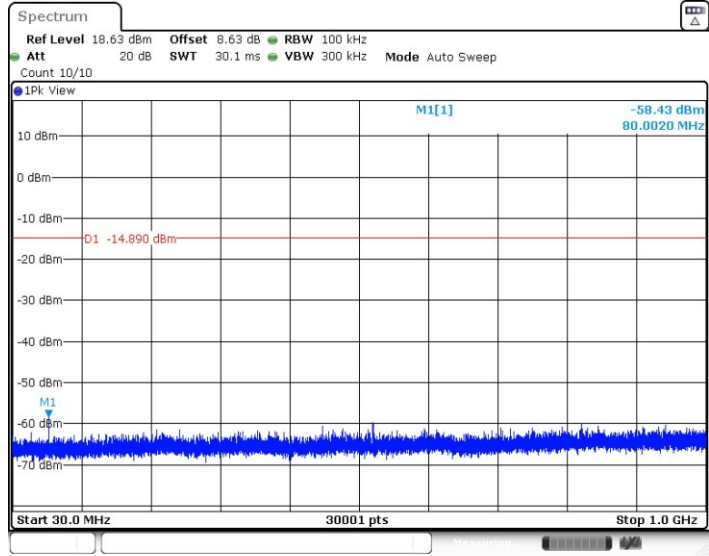
BLE\_1M\_Ant1\_2440\_1000~26500



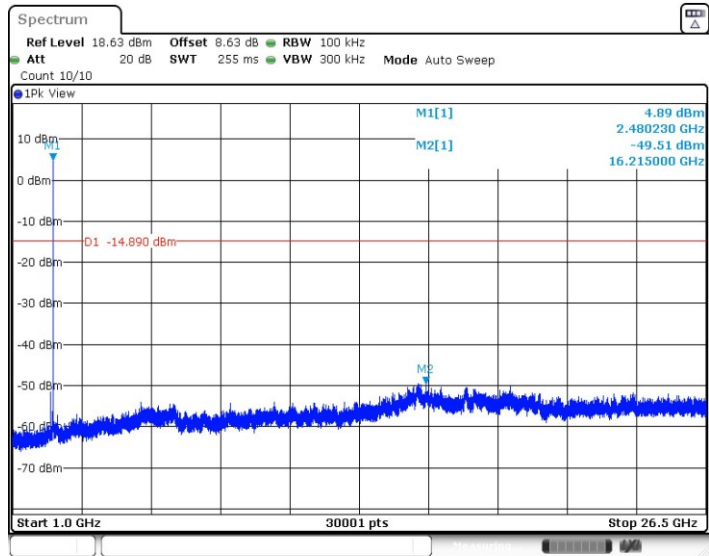
BLE\_1M\_Ant1\_2480\_0~Reference



BLE\_1M\_Ant1\_2480\_30~1000



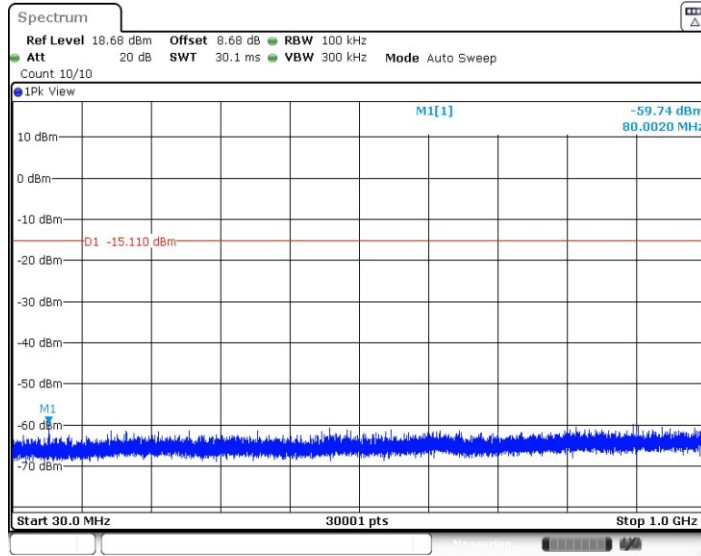
BLE\_1M\_Ant1\_2480\_1000~26500



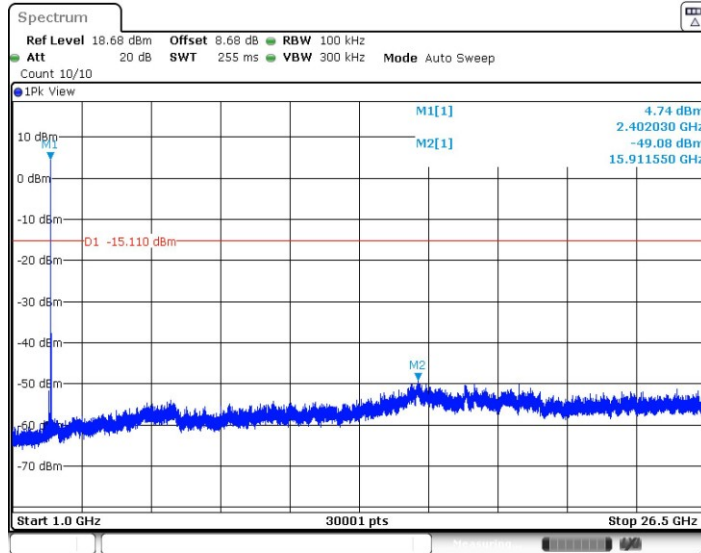
BLE\_2M\_Ant1\_2402\_0~Reference



BLE\_2M\_Ant1\_2402\_30~1000



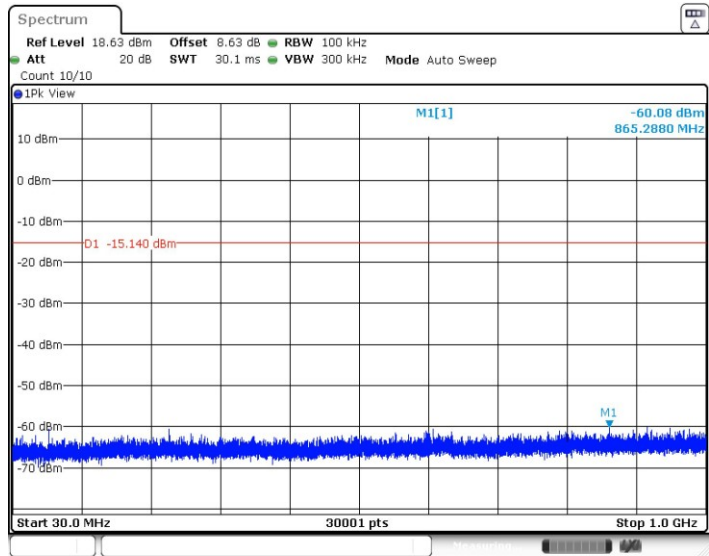
BLE\_2M\_Ant1\_2402\_1000~26500



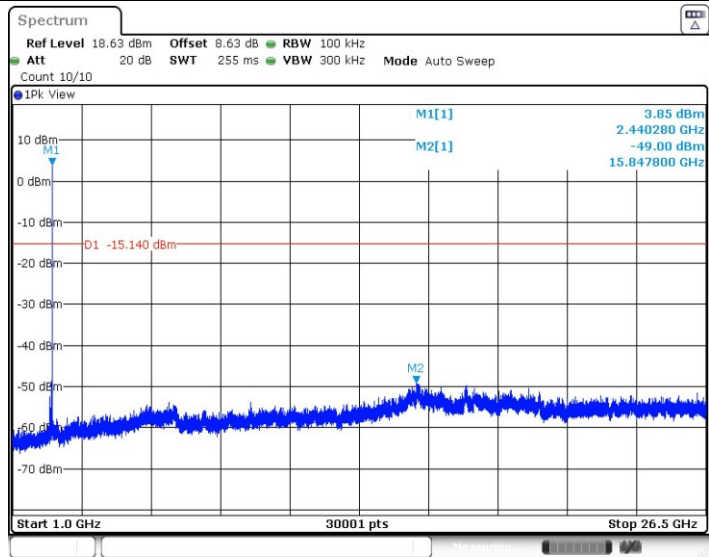
BLE\_2M\_Ant1\_2440\_0~Reference



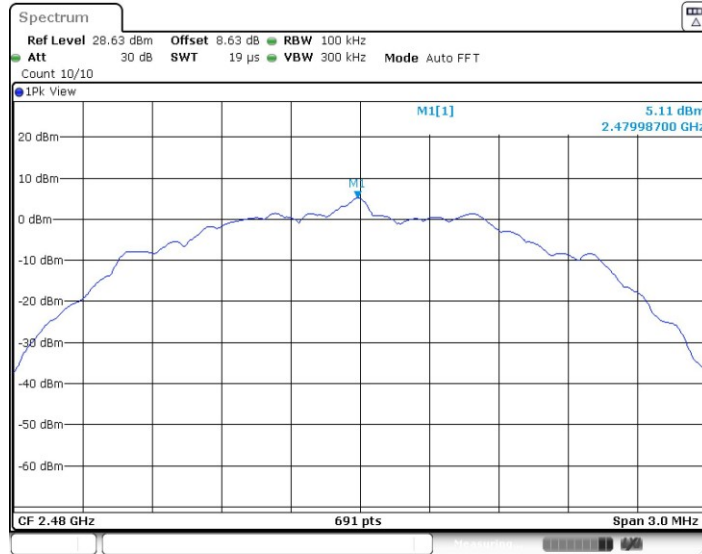
BLE\_2M\_Ant1\_2440\_30~100



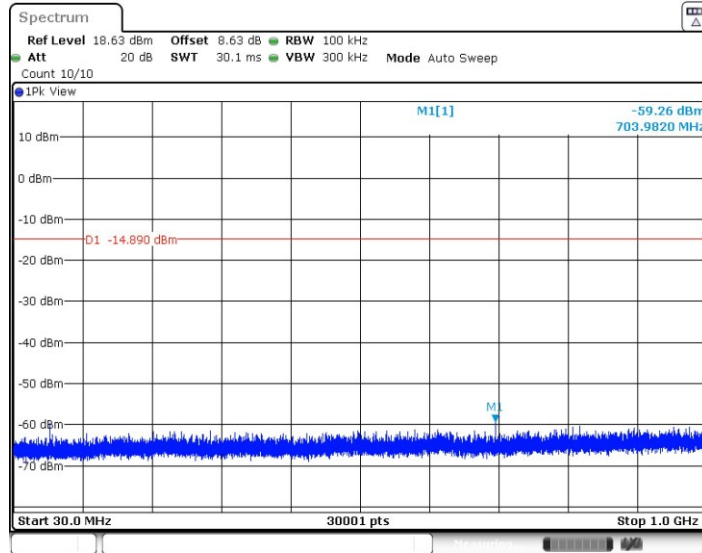
BLE\_2M\_Ant1\_2440\_1000~26500



### BLE\_2M\_Ant1\_2480\_0~Reference

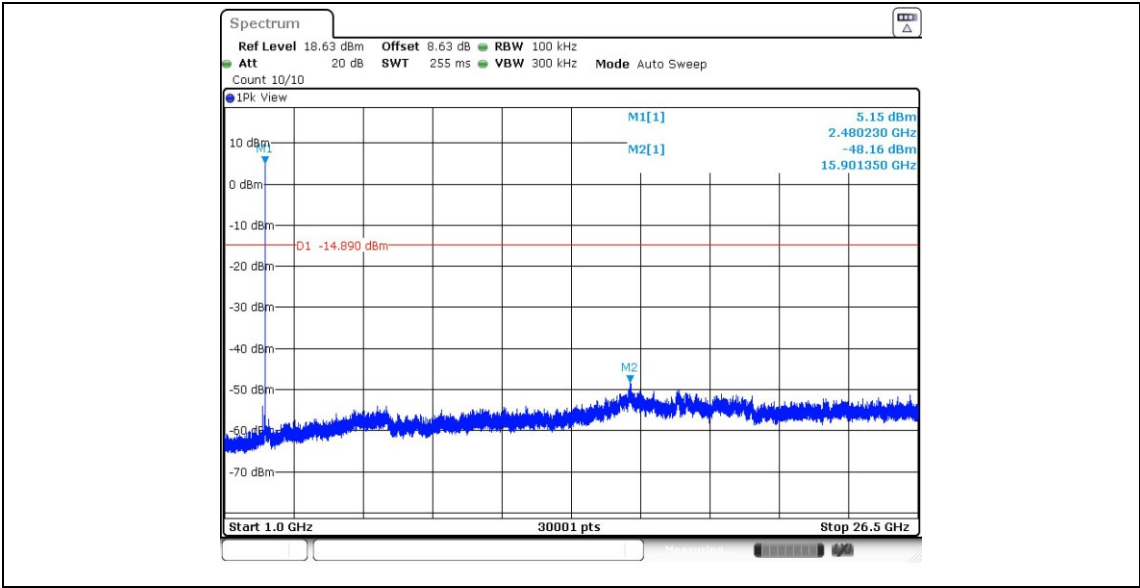


### BLE\_2M\_Ant1\_2480\_30~1000



### BLE\_2M\_Ant1\_2480\_1000~26500





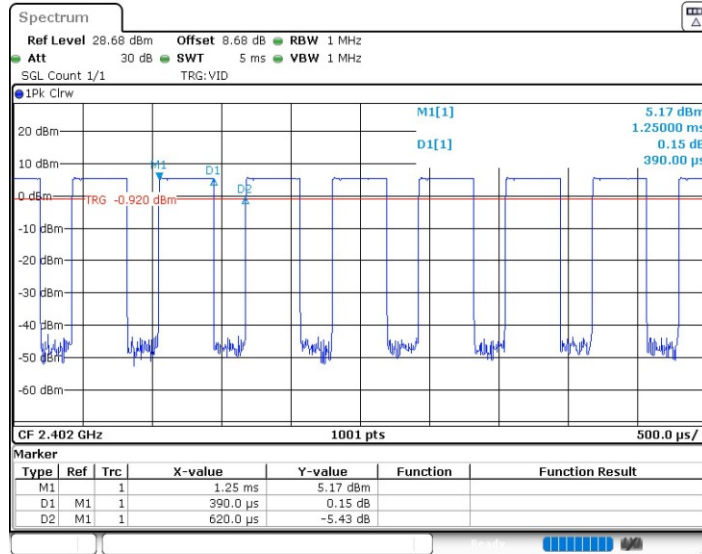
## Appendix H: Duty Cycle

### Test Result

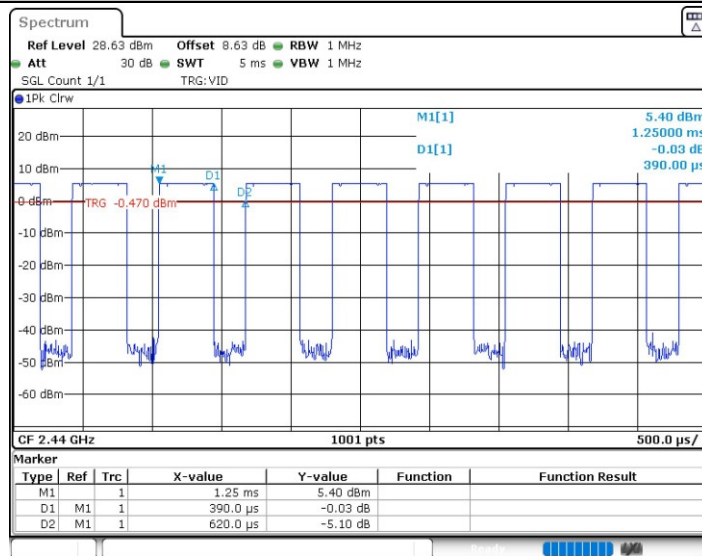
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.39	0.62	0.6290	62.90	2.01	---	---
		2440	0.39	0.62	0.6290	62.90	2.01	---	---
		2480	0.39	0.62	0.6290	62.90	2.01	---	---
BLE_2M	Ant1	2402	0.21	0.62	0.3387	33.87	4.70	---	---
		2440	0.21	0.62	0.3387	33.87	4.70	---	---
		2480	0.21	0.62	0.3387	33.87	4.70	---	---

# Test Graphs

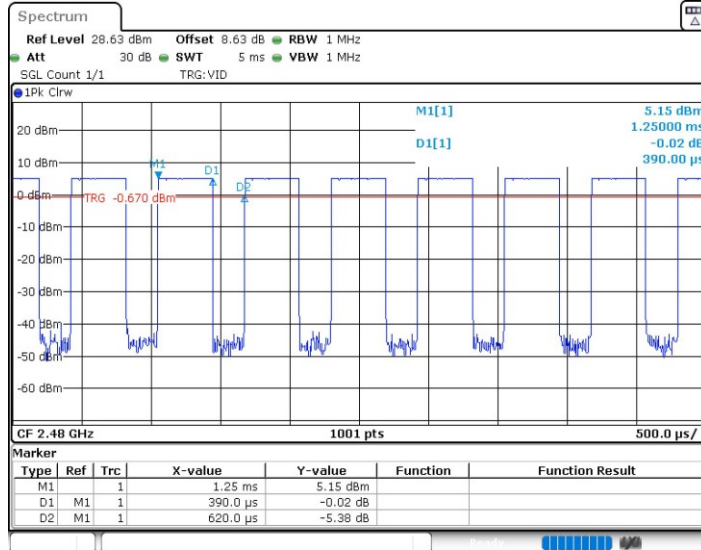
BLE\_1M\_Ant1\_2402



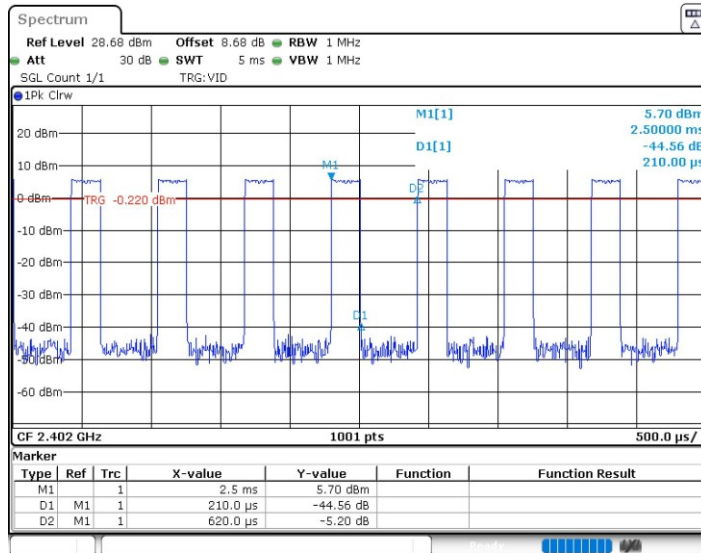
BLE\_1M\_Ant1\_2440



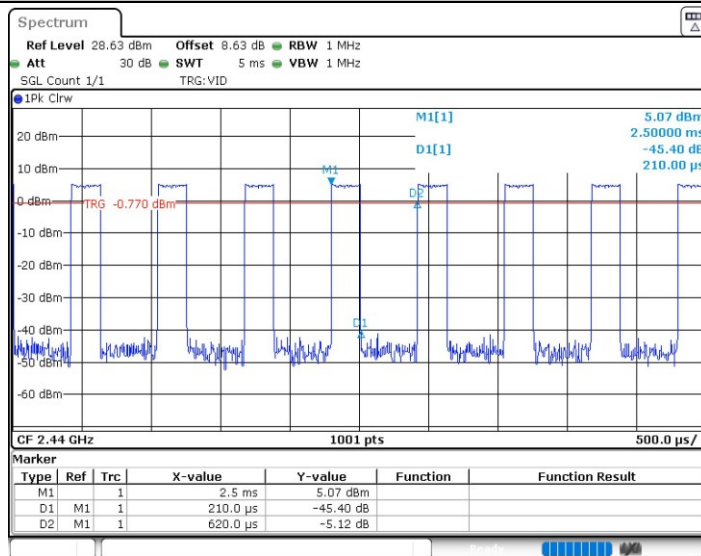
BLE\_1M\_Ant1\_2480



BLE\_2M\_Ant1\_2402



BLE\_2M\_Ant1\_2440



# BLE\_2M\_Ant1\_2480

