

## Appendix:Bluetooth LE

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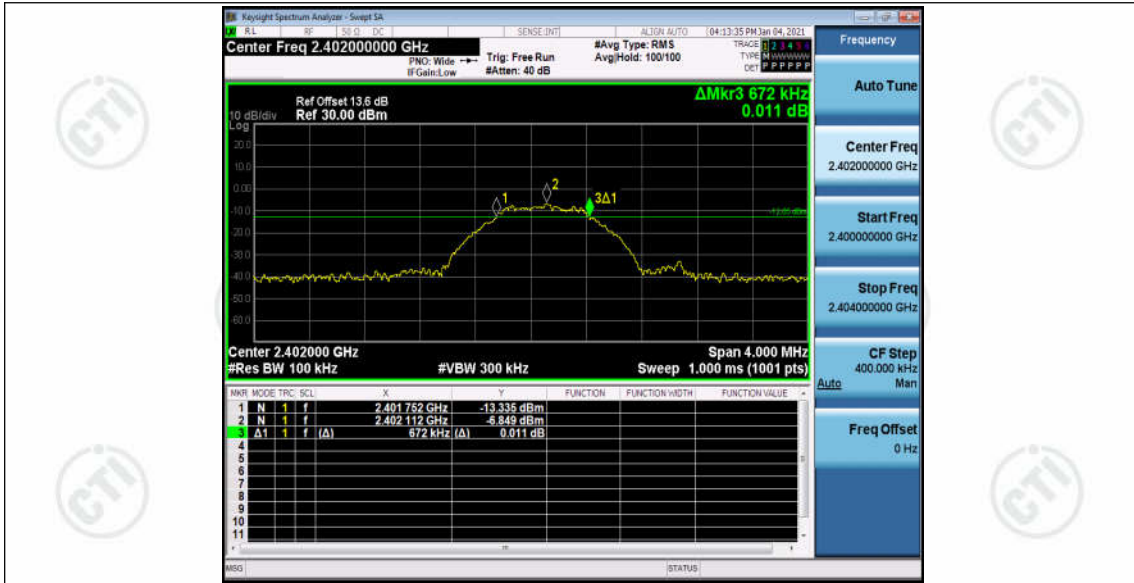
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## Appendix A: DTS Bandwidth

### Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.672	2401.752	2402.424	0.5	PASS
		2440	0.680	2439.756	2440.436	0.5	PASS
		2480	0.720	2479.728	2480.448	0.5	PASS

### Test Graphs



BLE\_Ant1\_2402



BLE\_Ant1\_2440



## Appendix B: Occupied Channel Bandwidth

### Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0531	2401.564	2402.617	---	PASS
		2440	1.0637	2439.564	2440.627	---	PASS
		2480	1.0609	2479.564	2480.625	---	PASS

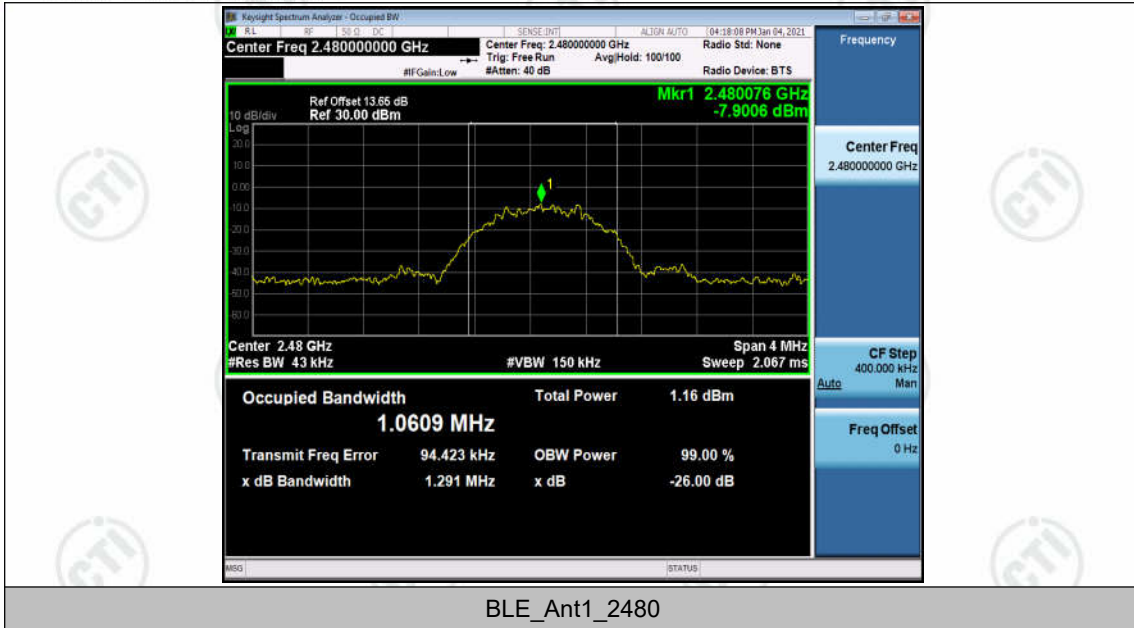
### Test Graphs



BLE\_Ant1\_2402



BLE\_Ant1\_2440



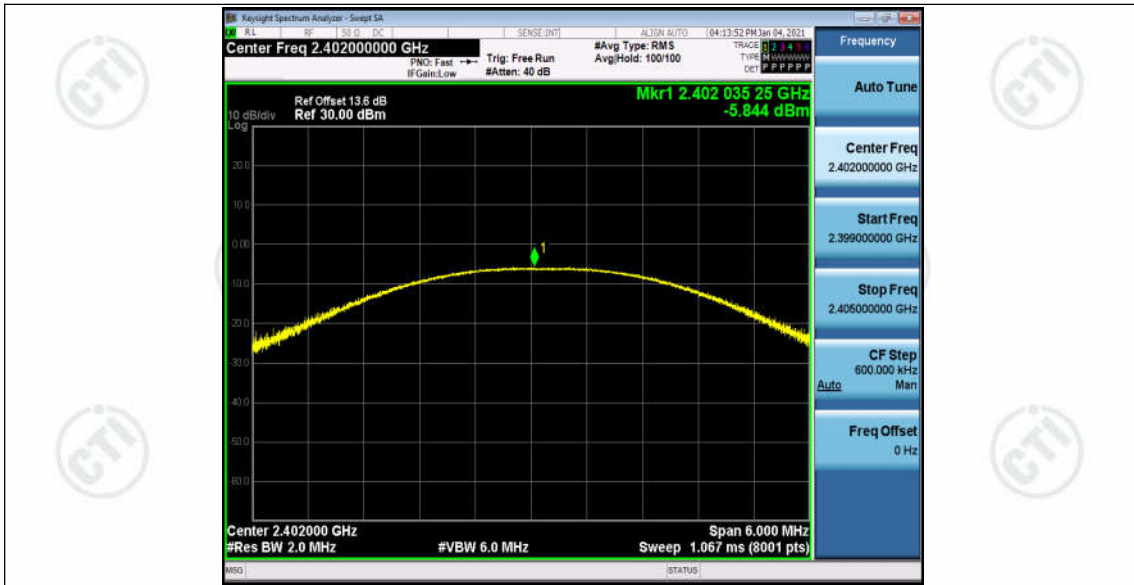


## Appendix C: Maximum conducted output power

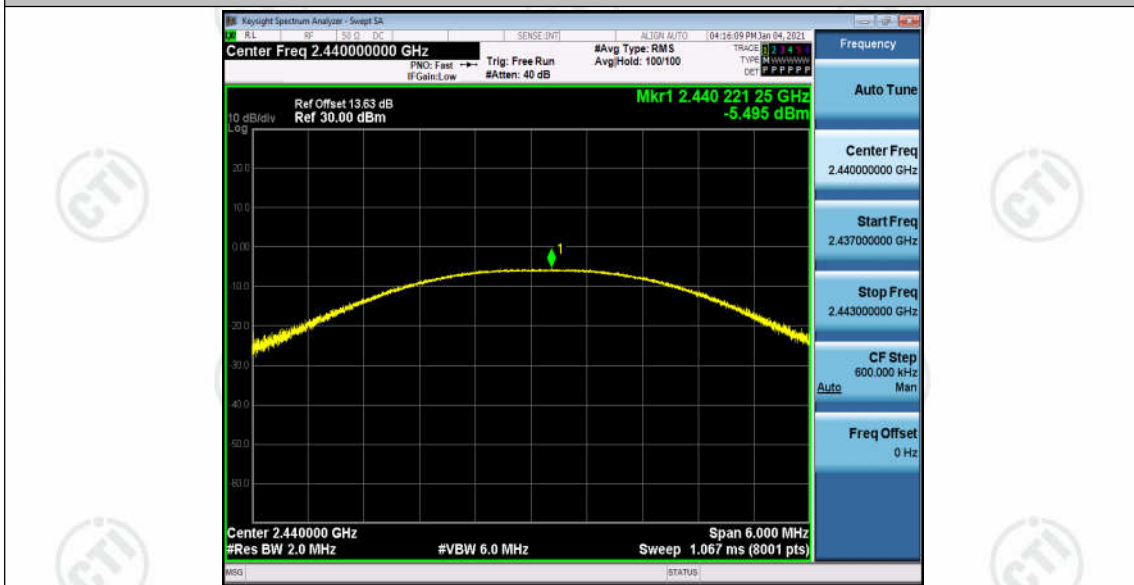
### Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	-5.84	<=30	PASS
		2440	-5.5	<=30	PASS
		2480	-4.68	<=30	PASS

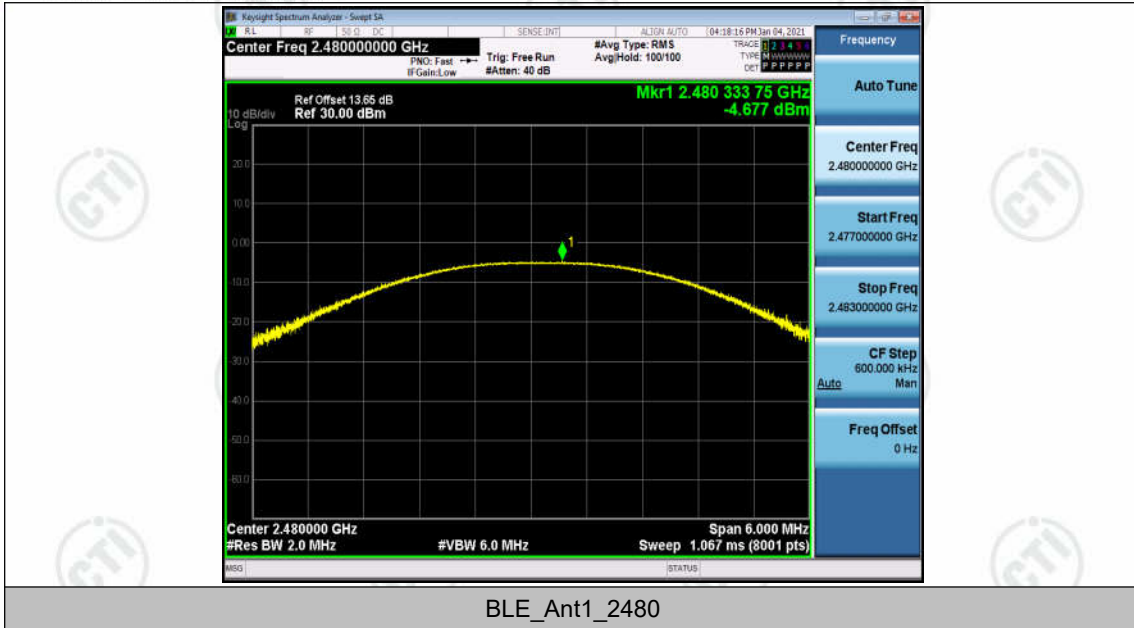
### Test Graphs



BLE\_Ant1\_2402



BLE\_Ant1\_2440



## Appendix D: Maximum power spectral density

### Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-16	$\leq 8$	PASS
		2440	-15.83	$\leq 8$	PASS
		2480	-14.39	$\leq 8$	PASS

### Test Graphs



BLE\_Ant1\_2402



BLE\_Ant1\_2440

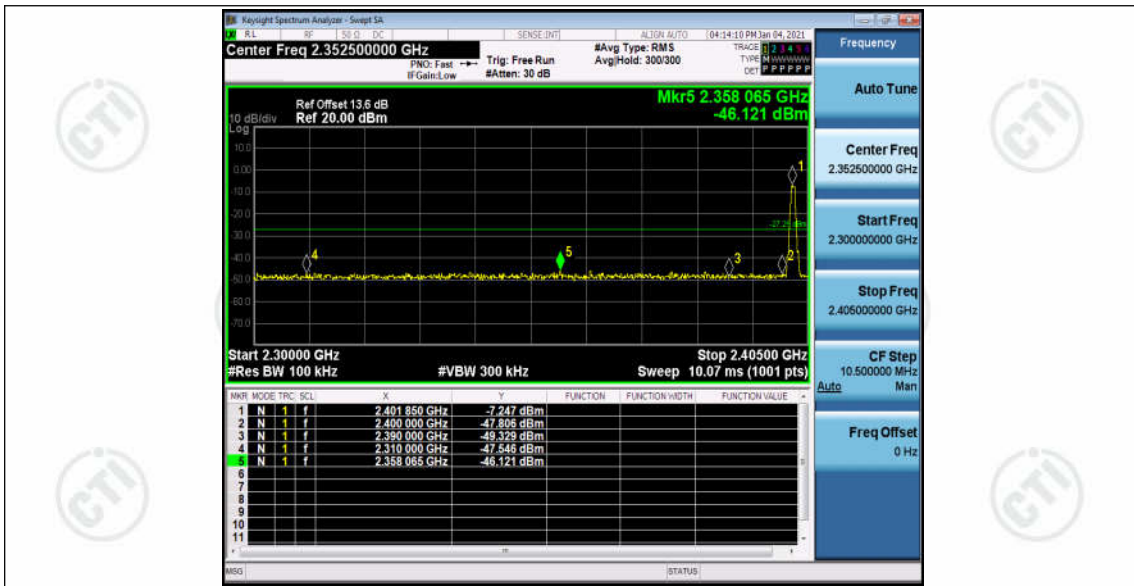


## Appendix E: Band edge measurements

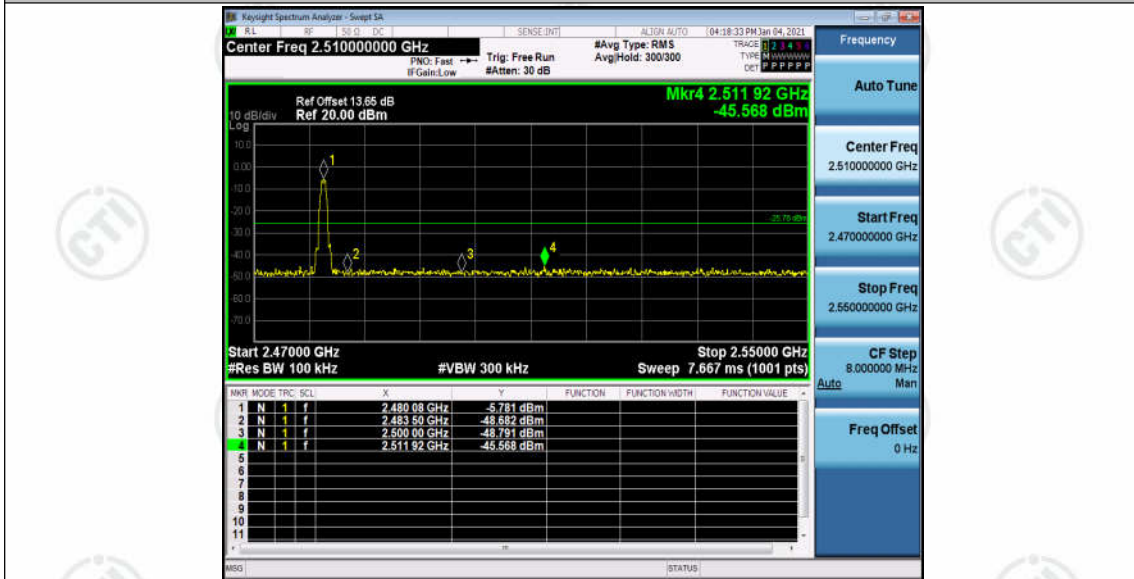
### Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-7.25	-46.12	<=-27.25	PASS
		High	2480	-5.78	-45.57	<=-25.78	PASS

### Test Graphs



BLE\_Ant1\_Low\_2402



BLE\_Ant1\_High\_2480



## Appendix F: Conducted Spurious Emission

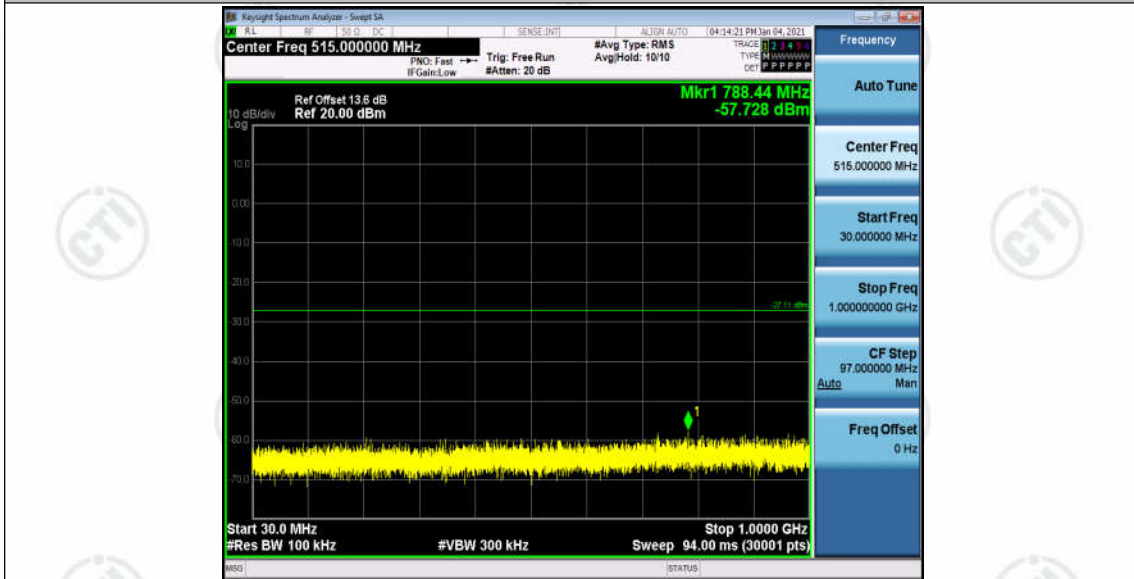
### Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-7.11	-7.11	---	PASS
			30~1000	30~1000	-57.728	<=-27.111	PASS
			1000~26500	1000~26500	-41.203	<=-27.111	PASS
		2440	Reference	-6.66	-6.66	---	PASS
			30~1000	30~1000	-58.093	<=-26.663	PASS
			1000~26500	1000~26500	-38.192	<=-26.663	PASS
		2480	Reference	-5.66	-5.66	---	PASS
			30~1000	30~1000	-57.109	<=-25.664	PASS
			1000~26500	1000~26500	-41.94	<=-25.664	PASS

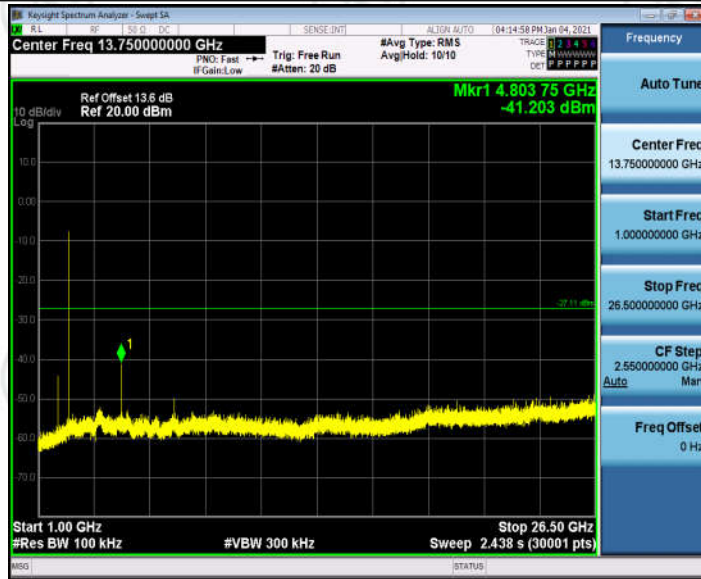
### Test Graphs



BLE\_Ant1\_2402\_0~Reference



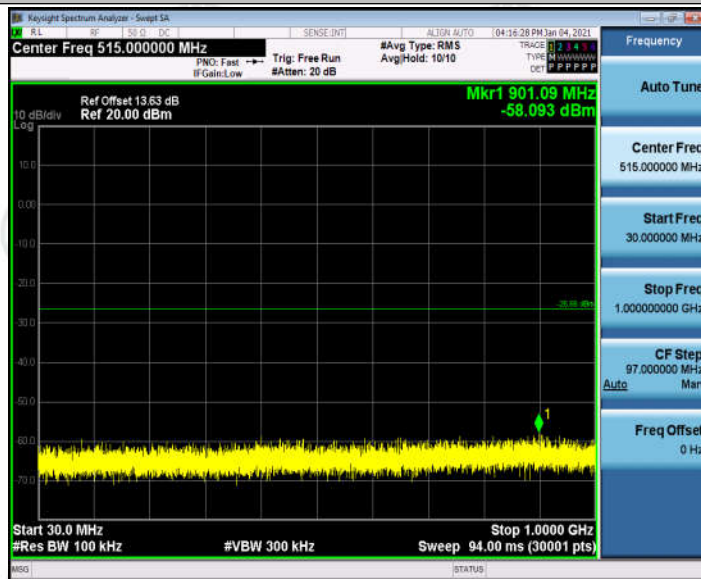
BLE\_Ant1\_2402\_30~1000



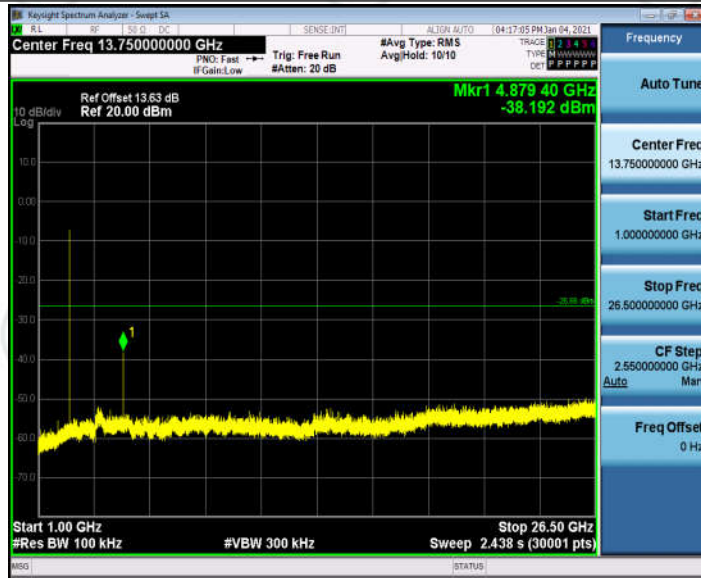
BLE\_Ant1\_2402\_1000~26500



BLE\_Ant1\_2440\_0~Reference



BLE\_Ant1\_2440\_30~1000



BLE\_Ant1\_2440\_1000~26500



BLE\_Ant1\_2480\_0~Reference



BLE\_Ant1\_2480\_30~1000



BLE\_Ant1\_2480\_1000~26500

## Appendix G: Duty Cycle

### Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE	Ant1	2402	0.61	1.25	49.20	---	PASS
		2440	0.61	1.25	49.20	---	PASS
		2480	0.61	1.25	49.20	---	PASS

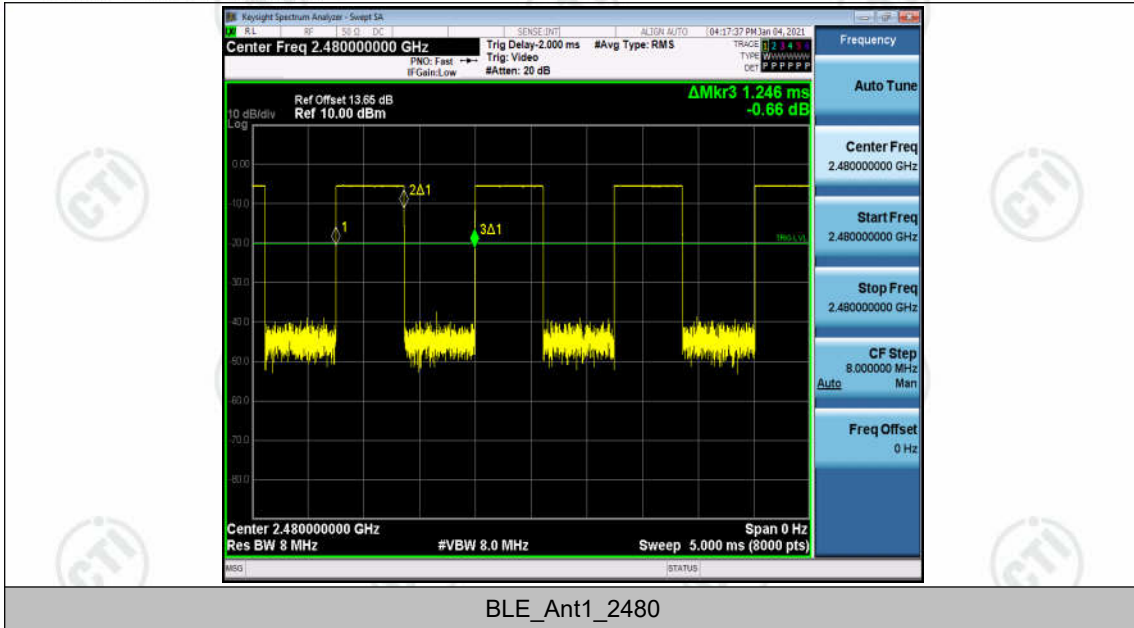
### Test Graphs



BLE\_Ant1\_2402



BLE\_Ant1\_2440



BLE\_Ant1\_2480

\*\*\* End of Report \*\*\*