



Appendix for Test report



Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.2	Ant1	2402	0.708	2401.648	2402.356	---	PASS
		2440	0.716	2439.644	2440.360	---	PASS
		2480	0.688	2479.668	2480.356	---	PASS



Test Graphs

BLE_BT4.2_Ant1_2402



BLE_BT4.2_Ant1_2440



BLE_BT4.2_Ant1_2480





Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.2	Ant1	2402	1.0330	2401.493	2402.526	---	PASS
		2440	1.0406	2439.490	2440.531	---	PASS
		2480	1.0363	2479.491	2480.528	---	PASS



Test Graphs

BLE_BT4.2_Ant1_2402



BLE_BT4.2_Ant1_2440



BLE_BT4.2_Ant1_2480





Appendix C: Duty Cycle

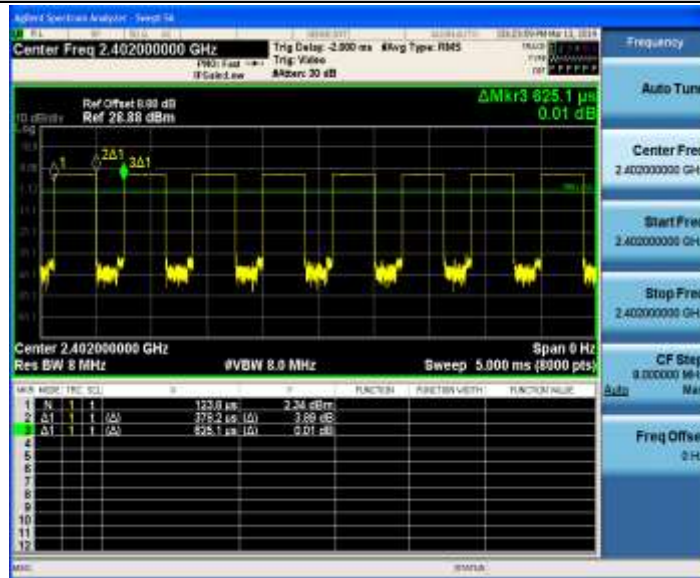
Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
BLE_BT4.2	Ant1	2402	0.38	0.63	60.50
		2440	0.38	0.63	60.50
		2480	0.38	0.63	60.50

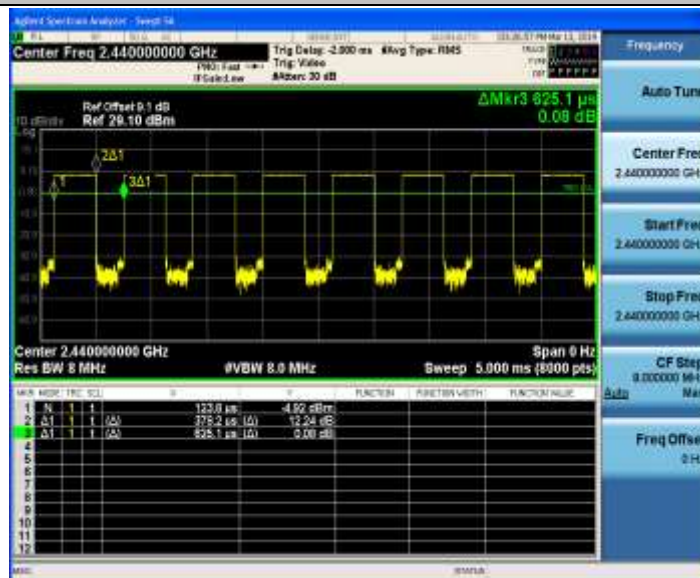


Test Graphs

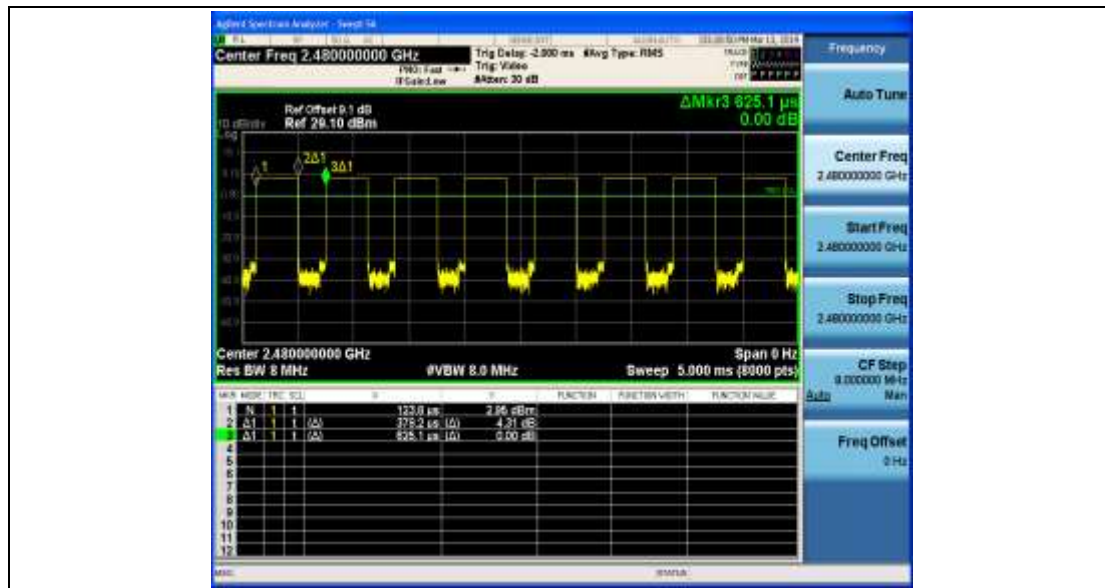
BLE_BT4.2_Ant1_2402



BLE_BT4.2_Ant1_2440



BLE_BT4.2_Ant1_2480





Appendix D: Maximum conducted peak output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.2	Ant1	2402	6.43	30	PASS
		2440	7.45	30	PASS
		2480	7.35	30	PASS



Test Graphs

BLE_BT4.2_Ant1_2402



BLE_BT4.2_Ant1_2440



BLE_BT4.2_Ant1_2480





Appendix E: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/10kHz]	Limit[dBm/3kHz]	Verdict
BLE_BT4.2	Ant1	2402	-3.85	8	PASS
		2440	-2.76	8	PASS
		2480	-2.85	8	PASS

Test Graphs

BLE_BT4.2_Ant1_2402



BLE_BT4.2_Ant1_2440



BLE_BT4.2_Ant1_2480





Appendix F: Band edge measurements

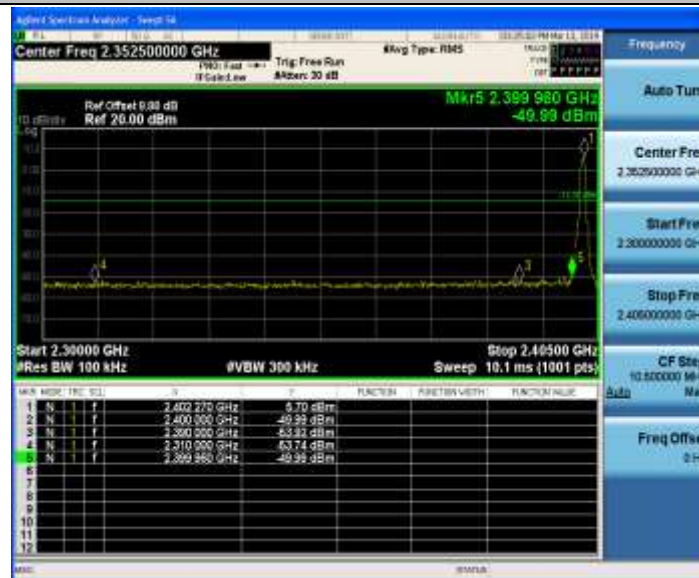
Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.2	Ant1	Low	2402	5.70	-50	-14.3	PASS
		High	2480	6.58	-48.87	-13.42	PASS

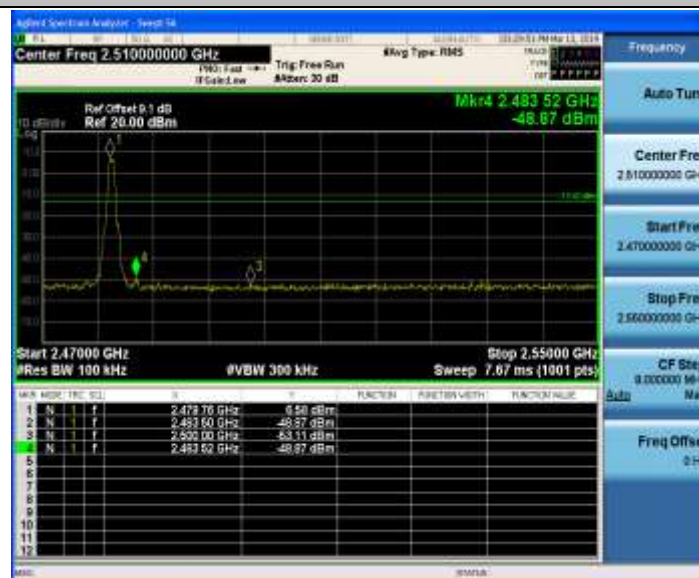


Test Graphs

BLE_BT4.2_Ant1_Low_2402



BLE_BT4.2_Ant1_High_2480





Appendix G: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange	RefLevel	Result	Limit	Verdict
BLE_BT4.2	Ant1	2402	Reference	5.46	5.46	---	PASS
			0.009~30	0.009~30	-69.38	-34.54	PASS
			30~1000	30~1000	-62.72	-24.54	PASS
			1000~26500	1000~26500	-37.01	-24.54	PASS
		2440	Reference	6.46	6.46	---	PASS
			0.009~30	0.009~30	-70.44	-33.54	PASS
			30~1000	30~1000	-63.15	-23.54	PASS
			1000~26500	1000~26500	-37.08	-23.54	PASS
		2480	Reference	6.32	6.32	---	PASS
			0.009~30	0.009~30	-71.31	-33.68	PASS
			30~1000	30~1000	-62.93	-23.68	PASS
			1000~26500	1000~26500	-37.55	-23.68	PASS



Test Graphs

BLE_BT4.2_Ant1_2402_0-Reference



BLE_BT4.2_Ant1_2402_0.009-30



BLE_BT4.2_Ant1_2402_30-1000



BLE_BT4.2_Ant1_2402_1000~26500



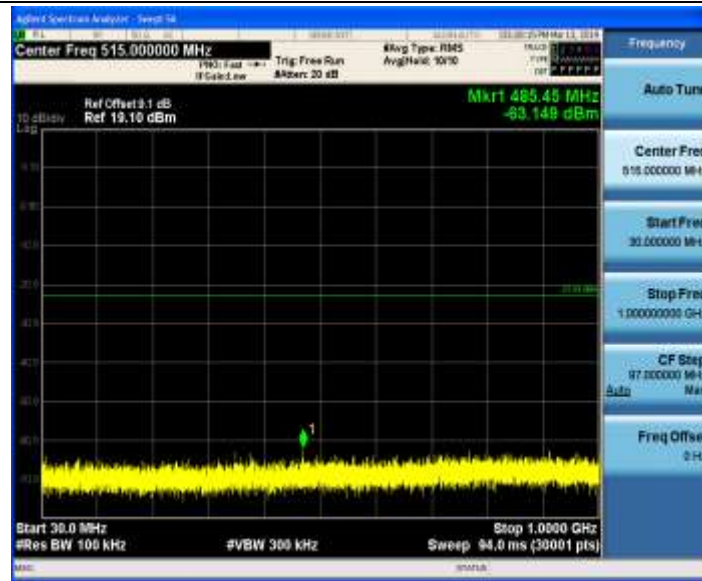
BLE_BT4.2_Ant1_2440_0~Reference



BLE_BT4.2_Ant1_2440_0.009~30



BLE_BT4.2_Ant1_2440_30~1000



BLE_BT4.2_Ant1_2440_1000~26500



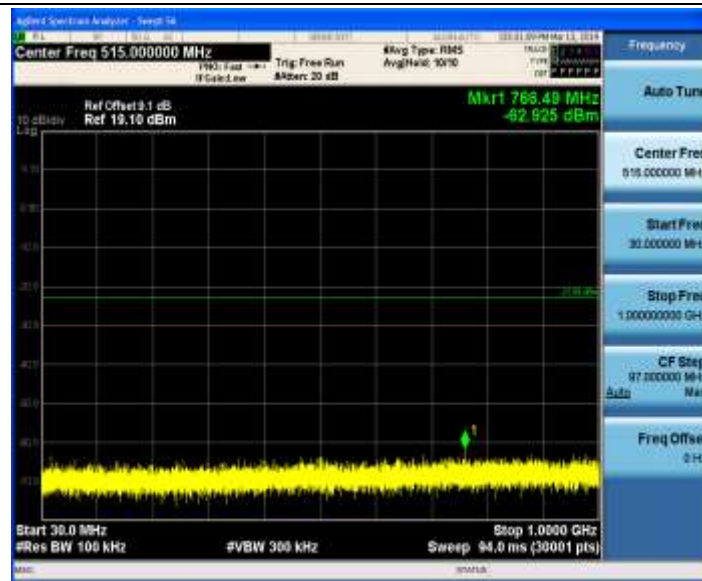
BLE_BT4.2_Ant1_2480_0~Reference



BLE_BT4.2_Ant1_2480_0.009~30



BLE_BT4.2_Ant1_2480_30~1000



BLE_BT4.2_Ant1_2480_1000~26500



END