Conducted Test Data

Conducted Output Power

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
BLE 1M	0	-3.72	0.42	None	≤30	PASS
	19	-3.71	0.43	-3.93	≤30	PASS
	39	-4.09	0.39	-4.56	≤30	PASS

Test Graphs

Peak Output Power

BLE 1M_Channel 0

Peak Output Power

BLE 1M_Channel 19

Peak Output Power

BLE 1M_Channel 39

Duty Cycle

Test Result

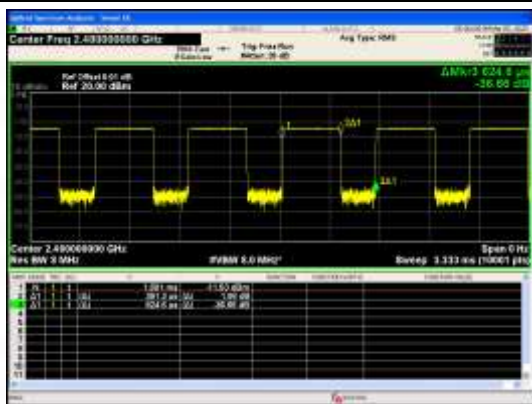| Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	0.391	0.625	62.65	0.6265	2.0308	2.5575
	19	0.391	0.625	62.65	0.6265	2.0308	2.5575
	39	0.391	0.625	62.65	0.6265	2.0308	2.5575

Test Graphs

BLE 1M_Channel 0

BLE 1M_Channel 19

BLE 1M_Channel 39

6dB Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6634	≥0.5	PASS
	19	2440	0.6668		PASS
	39	2480	0.6640		PASS

Test Graphs

BLE 1M_Channel 0

BLE 1M_Channel 19

BLE 1M_Channel 39

99% Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0436
BLE 1M	19	2440	1.0387
BLE 1M	39	2480	1.0437

Test Graphs

BLE 1M_Channel 0

BLE 1M_Channel 19

BLE 1M_Channel 39

Power Spectral Density

Test Result

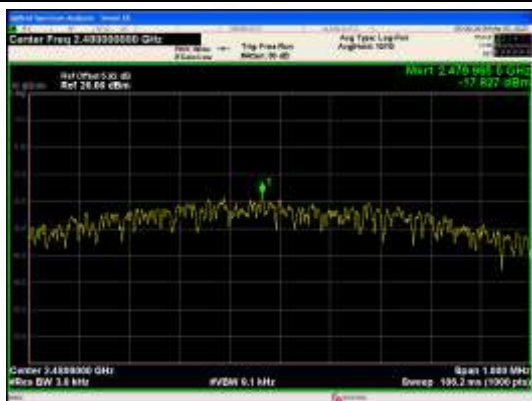| Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-17.256	≤8	PASS
BLE 1M	19	-18.128	≤8	PASS
BLE 1M	39	-17.827	≤8	PASS

Test Graphs

BLE 1M_Channel 0

BLE 1M_Channel 19

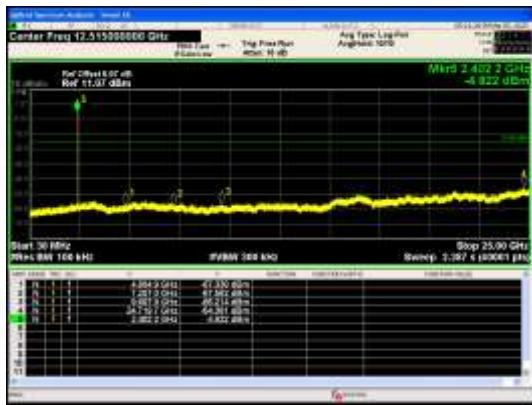BLE 1M_Channel 39

Conducted Out Of Band Emission

Note:The maximum loss of the test system for testing at 30MHz-26.5GHz is 17.2dB. The offset on the test chart is the offset of the main frequency, and the margin is sufficient to offset the difference between the maximum loss of the system and the offset of the main frequency.

Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-52.140	-23.96	-28.180	PASS
		4804.89	-67.338	-23.96	-43.378	PASS
		7207.00	-67.562	-23.96	-43.602	PASS
		9607.87	-66.214	-23.96	-42.254	PASS
		24719.7	-54.381	-23.96	-30.421	PASS
	19	4881.05	-67.508	-24.27	-43.238	PASS
		7318.12	-68.369	-24.27	-44.099	PASS
		9759.56	-68.312	-24.27	-44.042	PASS
		24704.7	-54.038	-24.27	-29.768	PASS
	39	2483.50	-57.769	-25.05	-32.719	PASS
		4960.33	-66.733	-25.05	-41.683	PASS
		7438.60	-67.692	-25.05	-42.642	PASS
		9921.24	-68.566	-25.05	-43.516	PASS
		24658.5	-55.139	-25.05	-30.089	PASS

Test Graphs

In-Band Reference Level BLE 1M_Channel 0	Out Of Band Emission BLE 1M_Channel 0

30.0 MHz - 25000.0 MHz **BLE 1M_Channel 0**	**In-Band Reference Level** **BLE 1M_Channel 19**
30.0 MHz - 25000.0 MHz **BLE 1M_Channel 19**	**In-Band Reference Level** **BLE 1M_Channel 39**
Out Of Band Emission **BLE 1M_Channel 39**	**30.0 MHz - 25000.0 MHz** **BLE 1M_Channel 39**
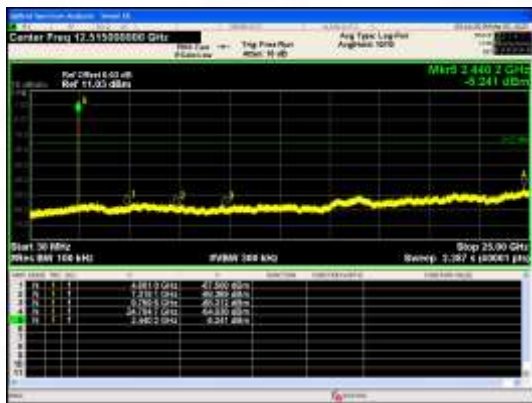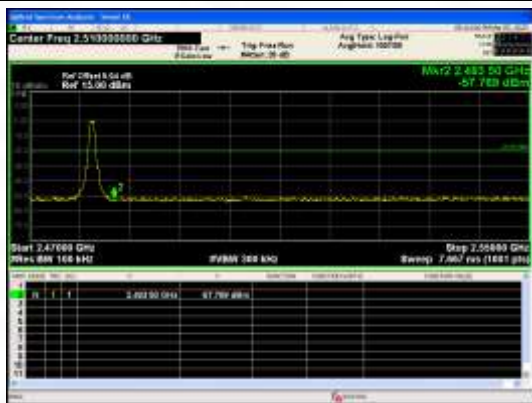
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