

Appendix A. Test Data
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Maximum Conducted Output Power Measurement												
Test Mode	Frequency (MHz)	Packet Type	Average Power		Peak Power		Power Limit	Gain	EIRP Power		EIRP Power Limit	RF Power setting in Test Software
			dBm	W	dBm	W	W	dBi	dBm	W	W	
BT_GFSK	2402	DH1	8.20	0.0066	8.22	0.00664	<0.125	-0.1	8.12	0.00649	4.00	9.00
		DH3	8.26	0.0067	8.28	0.00673	<0.125	-0.1	8.18	0.00658	4.00	9.00
		DH5	8.30	0.0068	8.33	0.00681	<0.125	-0.1	8.23	0.00665	4.00	9.00
	2441	DH1	8.38	0.0069	8.41	0.00693	<0.125	-0.1	8.31	0.00678	4.00	9.00
		DH3	8.46	0.0070	8.49	0.00706	<0.125	-0.1	8.39	0.00690	4.00	9.00
		DH5	8.49	0.0071	8.56	0.00718	<0.125	-0.1	8.46	0.00701	4.00	9.00
	2480	DH1	8.28	0.0067	8.33	0.00681	<0.125	-0.1	8.23	0.00665	4.00	9.00
		DH3	8.34	0.0068	8.37	0.00687	<0.125	-0.1	8.27	0.00671	4.00	9.00
		DH5	8.48	0.0070	8.52	0.00711	<0.125	-0.1	8.42	0.00695	4.00	9.00
BT_π/4-DQPSK	2402	2DH1	6.26	0.0042	6.33	0.00430	<0.125	-0.1	6.23	0.00420	4.00	9.00
		2DH3	6.30	0.0043	6.41	0.00438	<0.125	-0.1	6.31	0.00428	4.00	9.00
		2DH5	6.33	0.0043	6.47	0.00444	<0.125	-0.1	6.37	0.00434	4.00	9.00
	2441	2DH1	6.24	0.0042	6.33	0.00430	<0.125	-0.1	6.23	0.00420	4.00	9.00
		2DH3	6.32	0.0043	6.41	0.00438	<0.125	-0.1	6.31	0.00428	4.00	9.00
		2DH5	6.43	0.0044	6.50	0.00447	<0.125	-0.1	6.40	0.00437	4.00	9.00
	2480	2DH1	6.32	0.0043	6.42	0.00439	<0.125	-0.1	6.32	0.00429	4.00	9.00
		2DH3	6.39	0.0044	6.50	0.00447	<0.125	-0.1	6.40	0.00437	4.00	9.00
		2DH5	6.47	0.0044	6.52	0.00449	<0.125	-0.1	6.42	0.00439	4.00	9.00
BT_8DPSK	2402	3DH1	6.28	0.0042	6.39	0.00436	<0.125	-0.1	6.29	0.00426	4.00	9.00
		3DH3	6.35	0.0043	6.45	0.00442	<0.125	-0.1	6.35	0.00432	4.00	9.00
		3DH5	6.41	0.0044	6.49	0.00446	<0.125	-0.1	6.39	0.00436	4.00	9.00
	2441	3DH1	6.26	0.0042	6.35	0.00432	<0.125	-0.1	6.25	0.00422	4.00	9.00
		3DH3	6.37	0.0043	6.45	0.00442	<0.125	-0.1	6.35	0.00432	4.00	9.00
		3DH5	6.46	0.0044	6.57	0.00454	<0.125	-0.1	6.47	0.00444	4.00	9.00
	2480	3DH1	6.35	0.0043	6.46	0.00443	<0.125	-0.1	6.36	0.00433	4.00	9.00
		3DH3	6.41	0.0044	6.52	0.00449	<0.125	-0.1	6.42	0.00439	4.00	9.00
		3DH5	6.45	0.0044	6.56	0.00453	<0.125	-0.1	6.46	0.00443	4.00	9.00

Note: The relevant measured result has the offset with cable loss already.

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Maximum Conducted Output Power Measurement												
Test Mode	Frequency (MHz)	Packet Type	Average Power		Peak Power		Power Limit	Gain	EIRP Power		EIRP Power Limit	RF Power setting in Test Software
			dBm	W	dBm	W			W	dBm		
BT_GFSK	2402	DH1	7.53	0.0057	7.74	0.00594	<0.125	-0.1	7.64	0.00581	4.00	9.00
		DH3	7.64	0.0058	7.82	0.00605	<0.125	-0.1	7.72	0.00592	4.00	9.00
		DH5	7.85	0.0061	7.95	0.00624	<0.125	-0.1	7.85	0.00610	4.00	9.00
	2441	DH1	7.61	0.0058	7.82	0.00605	<0.125	-0.1	7.72	0.00592	4.00	9.00
		DH3	7.76	0.0060	7.95	0.00624	<0.125	-0.1	7.85	0.00610	4.00	9.00
		DH5	7.88	0.0061	7.96	0.00625	<0.125	-0.1	7.86	0.00611	4.00	9.00
	2480	DH1	7.61	0.0058	7.82	0.00605	<0.125	-0.1	7.72	0.00592	4.00	9.00
		DH3	7.74	0.0059	7.91	0.00618	<0.125	-0.1	7.81	0.00604	4.00	9.00
		DH5	7.86	0.0061	7.99	0.00630	<0.125	-0.1	7.89	0.00615	4.00	9.00
BT_π/4-DQPSK	2402	2DH1	6.25	0.0042	6.29	0.00426	<0.125	-0.1	6.19	0.00416	4.00	9.00
		2DH3	6.33	0.0043	6.40	0.00437	<0.125	-0.1	6.30	0.00427	4.00	9.00
		2DH5	6.41	0.0044	6.42	0.00439	<0.125	-0.1	6.32	0.00429	4.00	9.00
	2441	2DH1	6.21	0.0042	6.30	0.00427	<0.125	-0.1	6.20	0.00417	4.00	9.00
		2DH3	6.32	0.0043	6.37	0.00434	<0.125	-0.1	6.27	0.00424	4.00	9.00
		2DH5	6.43	0.0044	6.44	0.00441	<0.125	-0.1	6.34	0.00431	4.00	9.00
	2480	2DH1	6.11	0.0041	6.25	0.00422	<0.125	-0.1	6.15	0.00412	4.00	9.00
		2DH3	6.19	0.0042	6.23	0.00420	<0.125	-0.1	6.13	0.00410	4.00	9.00
		2DH5	6.32	0.0043	6.33	0.00430	<0.125	-0.1	6.23	0.00420	4.00	9.00
BT_8DPSK	2402	3DH1	6.26	0.0042	6.31	0.00428	<0.125	-0.1	6.21	0.00418	4.00	9.00
		3DH3	6.35	0.0043	6.42	0.00439	<0.125	-0.1	6.32	0.00429	4.00	9.00
		3DH5	6.36	0.0043	6.43	0.00440	<0.125	-0.1	6.33	0.00430	4.00	9.00
	2441	3DH1	6.27	0.0042	6.32	0.00429	<0.125	-0.1	6.22	0.00419	4.00	9.00
		3DH3	6.35	0.0043	6.39	0.00436	<0.125	-0.1	6.29	0.00426	4.00	9.00
		3DH5	6.39	0.0044	6.45	0.00442	<0.125	-0.1	6.35	0.00432	4.00	9.00
	2480	3DH1	6.18	0.0041	6.26	0.00423	<0.125	-0.1	6.16	0.00413	4.00	9.00
		3DH3	6.20	0.0042	6.25	0.00422	<0.125	-0.1	6.15	0.00412	4.00	9.00
		3DH5	6.22	0.0042	6.34	0.00431	<0.125	-0.1	6.24	0.00421	4.00	9.00

Note: The relevant measured result has the offset with cable loss already.

20 dB Emission Bandwidth and 99 % Occupied Bandwidth Measurement

Test Mode	Frequency (MHz)	20 dB RF Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
BT_GFSK	2402	0.936	0.831
	2441	0.935	0.829
	2480	0.937	0.826
BT_8DPSK	2402	1.303	1.200
	2441	1.303	1.199
	2480	1.301	1.191

Carrier Frequency Separation Measurement

Test Mode	Frequency (MHz)	Measurement (MHz)	Limit (MHz)
BT_GFSK	2402	1.004	≥ 0.624
	2441	0.996	≥ 0.623
	2480	1.016	≥ 0.624
BT_8DPSK	2402	1.010	≥ 0.869
	2441	1.016	≥ 0.869
	2480	1.272	≥ 0.867

Time of Occupancy (Dwell Time) Measurement		
Test Mode	Average Time of Occupancy (Dwell Time) Measurement	
	DH1	
BT_GFSK	Cycle Calculate	$79CH * 0.4 = 31.6$ (sec)
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$800/79CH = 10.13$ (times/sec)
	Each Channel Dwell Times on Cycle(1)	$31.6 * 10.13 = 320.108$ (times)
	Each Channel Dwell Times (2)	0.4165 ms
	Dwell Times on Cycle (1) * (2)	133.325 ms
	Limit (msec)	≤ 400
	DH3	
	Cycle Calculate	$79CH * 0.4 = 31.6$ (sec)
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$400/79CH = 5.06$ (times/sec)
	Each Channel Dwell Times on Cycle(1)	$31.6 * 5.06 = 159.896$ (times)
	Each Channel Dwell Times (2)	1.692 ms
	Dwell Times on Cycle (1) * (2)	270.544 ms
	Limit (msec)	≤ 400
	DH5	
	Cycle Calculate	$79CH * 0.4 = 31.6$ (sec)
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$266.7/79CH = 3.38$ (times/sec)
	Each Channel Dwell Times on Cycle(1)	$31.6 * 3.38 = 106.808$ (times)
	Each Channel Dwell Times (2)	2.945 ms
Dwell Times on Cycle (1) * (2)	314.550 ms	
Limit (msec)	≤ 400	

Average Time of Occupancy (Dwell Time) Measurement		
Test Mode	Average Time of Occupancy (Dwell Time) Measurement	
	3DH1	
BT_8DPSK	Cycle Calculate	$79CH * 0.4 = 31.6$ (sec)
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$800/79CH = 10.13$ (times/sec)
	Each Channel Dwell Times on Cycle(1)	$31.6 * 10.13 = 320.108$ (times)
	Each Channel Dwell Times (2)	0.4224 ms
	Dwell Times on Cycle (1) * (2)	135.214 ms
	Limit (msec)	≤ 400
	3DH3	
	Cycle Calculate	$79CH * 0.4 = 31.6$ (sec)
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$400/79CH = 5.06$ (times/sec)
	Each Channel Dwell Times on Cycle(1)	$31.6 * 5.06 = 159.896$ (times)
	Each Channel Dwell Times (2)	1.681 ms
	Dwell Times on Cycle (1) * (2)	268.785 ms
	Limit (msec)	≤ 400
	3DH5	
	Cycle Calculate	$79CH * 0.4 = 31.6$ (sec)
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$266.7/79CH = 3.38$ (times/sec)
	Each Channel Dwell Times on Cycle(1)	$31.6 * 3.38 = 106.808$ (times)
	Each Channel Dwell Times (2)	2.962 ms
Dwell Times on Cycle (1) * (2)	316.365 ms	
Limit (msec)	≤ 400	