

Appendix A. Test Data

Maximum Conducted Output Power Measurement									
Test Mode	Frequency (MHz)	Packet Type	Average Power		Peak Power		Power Limit	RF Power setting in Test Software	Test Software Version
			dBm	W	dBm	W			
BT_GFSK	2402	DH1	14.18	0.0262	14.42	0.02767	<0.125	Default	adb
		DH3	14.26	0.0267	14.45	0.02786	<0.125	Default	
		DH5	14.30	0.0269	14.52	0.02831	<0.125	Default	
	2441	DH1	14.12	0.0258	14.41	0.02761	<0.125	Default	
		DH3	14.14	0.0259	14.43	0.02773	<0.125	Default	
		DH5	14.18	0.0262	14.46	0.02793	<0.125	Default	
	2480	DH1	13.89	0.0245	14.15	0.02600	<0.125	Default	
		DH3	13.92	0.0247	14.17	0.02612	<0.125	Default	
		DH5	13.96	0.0249	14.20	0.02630	<0.125	Default	
BT_π/4-DQPSK	2402	2DH1	14.19	0.0262	14.28	0.02679	<0.125	Default	
		2DH3	14.22	0.0264	14.32	0.02704	<0.125	Default	
		2DH5	14.25	0.0266	14.37	0.02735	<0.125	Default	
	2441	2DH1	14.14	0.0259	14.26	0.02667	<0.125	Default	
		2DH3	14.17	0.0261	14.29	0.02685	<0.125	Default	
		2DH5	14.22	0.0264	14.31	0.02698	<0.125	Default	
	2480	2DH1	13.92	0.0247	14.00	0.02512	<0.125	Default	
		2DH3	13.94	0.0248	14.04	0.02535	<0.125	Default	
		2DH5	13.97	0.0249	14.07	0.02553	<0.125	Default	
BT_8DPSK	2402	3DH1	14.23	0.0265	14.31	0.02698	<0.125	Default	
		3DH3	14.24	0.0265	14.36	0.02729	<0.125	Default	
		3DH5	14.27	0.0267	14.39	0.02748	<0.125	Default	
	2441	3DH1	14.18	0.0262	14.28	0.02679	<0.125	Default	
		3DH3	14.22	0.0264	14.32	0.02704	<0.125	Default	
		3DH5	14.25	0.0266	14.33	0.02710	<0.125	Default	
	2480	3DH1	13.93	0.0247	14.03	0.02529	<0.125	Default	
		3DH3	13.97	0.0249	14.07	0.02553	<0.125	Default	
		3DH5	13.99	0.0251	14.09	0.02564	<0.125	Default	

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	0.845	0.743
	2441	0.843	0.743
	2480	0.851	0.744
BT_8DPSK	2402	1.304	1.180
	2441	1.309	1.181
	2480	1.309	1.181

Carrier Frequency Separation Measurement

Test Mode	Frequency (MHz)	Measurement (MHz)	Limit (MHz)
BT_GFSK	2402	0.962	≥ 0.563
	2441	1.010	≥ 0.562
	2480	1.014	≥ 0.567
BT_8DPSK	2402	0.996	≥ 0.869
	2441	0.926	≥ 0.873
	2480	0.992	≥ 0.873

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)	0.400 ms
	Dwell Times on Cycle (1) * (2)	128.043 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)	1.660 ms
	Dwell Times on Cycle (1) * (2)	265.427 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)	2.910 ms
Dwell Times on Cycle (1) * (2)	310.811 ms	
Limit (msec)	≤ 400	

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)	0.410 ms
	Dwell Times on Cycle (1) * (2)	131.244 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)	1.660 ms
	Dwell Times on Cycle (1) * (2)	265.427 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)	2.955 ms
Dwell Times on Cycle (1) * (2)	315.618 ms	
Limit (msec)	≤ 400	