

Appendix A. Test Data

Maximum Conducted Output Power Measurement									
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	7.01	0.0050	7.11	0.00514	<0.125	Default	Tera Term / CBT
		DH3	7.03	0.0050	7.13	0.00516	<0.125	Default	
		DH5	7.05	0.0051	7.15	0.00519	<0.125	Default	
	2441	DH1	6.63	0.0046	6.73	0.00471	<0.125	Default	
		DH3	6.65	0.0046	6.75	0.00473	<0.125	Default	
		DH5	6.66	0.0046	6.76	0.00474	<0.125	Default	
	2480	DH1	5.64	0.0037	5.79	0.00379	<0.125	Default	
		DH3	5.65	0.0037	5.81	0.00381	<0.125	Default	
		DH5	5.68	0.0037	5.82	0.00382	<0.125	Default	
BT_π/4-DQPSK	2402	2DH1	2.46	0.0018	4.75	0.00299	<0.125	Default	
		2DH3	2.47	0.0018	4.81	0.00303	<0.125	Default	
		2DH5	2.50	0.0018	4.82	0.00303	<0.125	Default	
	2441	2DH1	2.08	0.0016	4.31	0.00270	<0.125	Default	
		2DH3	2.10	0.0016	4.32	0.00270	<0.125	Default	
		2DH5	2.11	0.0016	4.37	0.00274	<0.125	Default	
	2480	2DH1	1.08	0.0013	3.26	0.00212	<0.125	Default	
		2DH3	1.09	0.0013	3.28	0.00213	<0.125	Default	
		2DH5	1.10	0.0013	3.32	0.00215	<0.125	Default	
BT_8DPSK	2402	3DH1	2.56	0.0018	5.05	0.00320	<0.125	Default	
		3DH3	2.59	0.0018	5.15	0.00327	<0.125	Default	
		3DH5	2.60	0.0018	5.25	0.00335	<0.125	Default	
	2441	3DH1	2.19	0.0017	4.52	0.00283	<0.125	Default	
		3DH3	2.20	0.0017	4.55	0.00285	<0.125	Default	
		3DH5	2.21	0.0017	4.63	0.00290	<0.125	Default	
	2480	3DH1	1.13	0.0013	3.52	0.00225	<0.125	Default	
		3DH3	1.18	0.0013	3.53	0.00225	<0.125	Default	
		3DH5	1.20	0.0013	3.59	0.00229	<0.125	Default	

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

20 dB Emission Bandwidth and 99 % Occupied Bandwidth Measurement			
Mode	Frequency (MHz)	20 dB RF Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
BT_GFSK	2402	1.085	0.930
	2441	1.083	0.921
	2480	1.068	0.924
BT_8DPSK	2402	1.347	1.221
	2441	1.355	1.238
	2480	1.361	1.239

Carrier Frequency Separation Measurement			
Mode	Frequency (MHz)	Measurement (MHz)	Limit (MHz)
BT_GFSK	2402	1.002	≥ 0.723
	2441	1.008	≥ 0.722
	2480	0.996	≥ 0.712
BT_8DPSK	2402	1.000	≥ 0.898
	2441	0.998	≥ 0.903
	2480	0.988	≥ 0.907

Time of Occupancy (Dwell Time) Measurement		
Mode	Average Time of Occupancy (Dwell Time) Measurement	
	DH1	
BT_GFSK	Cycle Calculate	$79CH * 0.4 = 31.6 \text{ (sec)}$
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$800/79CH = 10.13 \text{ (times/sec)}$
	Each Channel Dwell Times on Cycle(1)	$31.6 * 10.13 = 320.108 \text{ (times)}$
	Each Channel Dwell Times (2)	0.420 ms
	Dwell Times on Cycle (1) * (2)	134.445 ms
	Limit (msec)	≤ 400
	DH3	
	Cycle Calculate	$79CH * 0.4 = 31.6 \text{ (sec)}$
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$400/79CH = 5.06 \text{ (times/sec)}$
	Each Channel Dwell Times on Cycle(1)	$31.6 * 5.06 = 159.896 \text{ (times)}$
	Each Channel Dwell Times (2)	1.680 ms
	Dwell Times on Cycle (1) * (2)	268.625 ms
	Limit (msec)	≤ 400
	DH5	
	Cycle Calculate	$79CH * 0.4 = 31.6 \text{ (sec)}$
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$266.7/79CH = 3.38 \text{ (times/sec)}$
	Each Channel Dwell Times on Cycle(1)	$31.6 * 3.38 = 106.808 \text{ (times)}$
	Each Channel Dwell Times (2)	2.925 ms
	Dwell Times on Cycle (1) * (2)	312.413 ms
	Limit (msec)	≤ 400

Mode	Average Time of Occupancy (Dwell Time) Measurement	
	3DH1	
BT_8DPSK	Cycle Calculate	$79CH * 0.4 = 31.6 \text{ (sec)}$
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$800/79CH = 10.13 \text{ (times/sec)}$
	Each Channel Dwell Times on Cycle(1)	$31.6 * 10.13 = 320.108 \text{ (times)}$
	Each Channel Dwell Times (2)	0.420 ms
	Dwell Times on Cycle (1) * (2)	134.445 ms
	Limit (msec)	≤ 400
	3DH3	
	Cycle Calculate	$79CH * 0.4 = 31.6 \text{ (sec)}$
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$400/79CH = 5.06 \text{ (times/sec)}$
	Each Channel Dwell Times on Cycle(1)	$31.6 * 5.06 = 159.896 \text{ (times)}$
	Each Channel Dwell Times (2)	1.670 ms
	Dwell Times on Cycle (1) * (2)	267.026 ms
	Limit (msec)	≤ 400
	3DH5	
	Cycle Calculate	$79CH * 0.4 = 31.6 \text{ (sec)}$
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$266.7/79CH = 3.38 \text{ (times/sec)}$
	Each Channel Dwell Times on Cycle(1)	$31.6 * 3.38 = 106.808 \text{ (times)}$
	Each Channel Dwell Times (2)	2.940 ms
	Dwell Times on Cycle (1) * (2)	314.016 ms
	Limit (msec)	≤ 400