

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	11.07	0.01279	10.84	0.01213	<0.125	Default	CMD
		DH3	11.13	0.01297	10.87	0.01222	<0.125	Default	
		DH5	11.16	0.01306	10.91	0.01233	<0.125	Default	
	2441	DH1	10.95	0.01245	10.75	0.01189	<0.125	Default	
		DH3	11.00	0.01259	10.81	0.01205	<0.125	Default	
		DH5	11.06	0.01276	10.85	0.01216	<0.125	Default	
	2480	DH1	11.01	0.01262	10.81	0.01205	<0.125	Default	
		DH3	11.05	0.01274	10.87	0.01222	<0.125	Default	
		DH5	11.10	0.01288	10.91	0.01233	<0.125	Default	
BT_π/4-DQPSK	2402	2DH1	10.85	0.01216	8.50	0.00708	<0.125	Default	
		2DH3	10.92	0.01236	8.57	0.00719	<0.125	Default	
		2DH5	10.96	0.01247	8.61	0.00726	<0.125	Default	
	2441	2DH1	8.79	0.00757	6.28	0.00425	<0.125	Default	
		2DH3	8.81	0.00760	6.32	0.00429	<0.125	Default	
		2DH5	8.86	0.00769	6.39	0.00436	<0.125	Default	
	2480	2DH1	7.05	0.00507	4.62	0.00290	<0.125	Default	
		2DH3	7.10	0.00513	4.68	0.00294	<0.125	Default	
		2DH5	7.13	0.00516	4.70	0.00295	<0.125	Default	
BT_8DPSK	2402	3DH1	10.92	0.01236	8.57	0.00719	<0.125	Default	
		3DH3	10.95	0.01245	8.63	0.00729	<0.125	Default	
		3DH5	10.99	0.01256	8.68	0.00738	<0.125	Default	
	2441	3DH1	8.81	0.00760	6.35	0.00432	<0.125	Default	
		3DH3	8.85	0.00767	6.38	0.00435	<0.125	Default	
		3DH5	8.90	0.00776	6.43	0.00440	<0.125	Default	
	2480	3DH1	7.08	0.00511	4.66	0.00292	<0.125	Default	
		3DH3	7.12	0.00515	4.71	0.00296	<0.125	Default	
		3DH5	7.17	0.00521	4.76	0.00299	<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	0.989	0.884
	2441	0.989	0.886
	2480	0.990	0.889
BT_8DPSK	2402	1.332	1.209
	2441	1.330	1.204
	2480	1.331	1.206

Carrier Frequency Separation Measurement			
Mode	Frequency (MHz)	Measurement (MHz)	Limit (MHz)
BT_GFSK	2402	0.798	≥ 0.659
	2441	1.320	≥ 0.659
	2480	1.178	≥ 0.660
BT_8DPSK	2402	1.192	≥ 0.888
	2441	0.996	≥ 0.887
	2480	1.012	≥ 0.887

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)	0.4083 ms
	Dwell Times on Cycle (1) * (2)	130.700 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)	1.660 ms
	Dwell Times on Cycle (1) * (2)	265.427 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)	2.940 ms
	Dwell Times on Cycle (1) * (2)	314.016 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)	0.4083 ms
	Dwell Times on Cycle (1) * (2)	130.700 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