

**Appendix A. Test Data**

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	Test Software Version
			dBm	W	dBm	W	W	dBi	dBm	W	W		
BT_GFSK	2402	DH1	0.36	0.0011	1.17	0.00131	<0.125	2.7	3.87	0.00244	4.00	Default	CBT
		DH3	0.37	0.0011	1.18	0.00131	<0.125	2.7	3.88	0.00244	4.00	Default	
		DH5	0.38	0.0011	1.20	0.00132	<0.125	2.7	3.90	0.00245	4.00	Default	
	2441	DH1	0.99	0.0013	1.72	0.00149	<0.125	2.7	4.42	0.00277	4.00	Default	
		DH3	1.00	0.0013	1.73	0.00149	<0.125	2.7	4.43	0.00277	4.00	Default	
		DH5	1.01	0.0013	1.75	0.00150	<0.125	2.7	4.45	0.00279	4.00	Default	
	2480	DH1	1.15	0.0013	1.91	0.00155	<0.125	2.7	4.61	0.00289	4.00	Default	
		DH3	1.16	0.0013	1.92	0.00156	<0.125	2.7	4.62	0.00290	4.00	Default	
		DH5	1.17	0.0013	1.93	0.00156	<0.125	2.7	4.63	0.00290	4.00	Default	
BT_π/4-DQPSK	2402	2DH1	-1.55	0.0007	0.33	0.00108	<0.125	2.7	3.03	0.00201	4.00	Default	
		2DH3	-1.08	0.0008	0.46	0.00111	<0.125	2.7	3.16	0.00207	4.00	Default	
		2DH5	-0.53	0.0009	0.48	0.00112	<0.125	2.7	3.18	0.00208	4.00	Default	
	2441	2DH1	-0.82	0.0008	0.98	0.00125	<0.125	2.7	3.68	0.00233	4.00	Default	
		2DH3	-0.52	0.0009	1.05	0.00127	<0.125	2.7	3.75	0.00237	4.00	Default	
		2DH5	0.05	0.0010	1.17	0.00131	<0.125	2.7	3.87	0.00244	4.00	Default	
	2480	2DH1	-0.66	0.0009	1.21	0.00132	<0.125	2.7	3.91	0.00246	4.00	Default	
		2DH3	-0.38	0.0009	1.30	0.00135	<0.125	2.7	4.00	0.00251	4.00	Default	
		2DH5	0.34	0.0011	1.38	0.00137	<0.125	2.7	4.08	0.00256	4.00	Default	
BT_8DPSK	2402	3DH1	-1.51	0.0007	0.36	0.00109	<0.125	2.7	3.06	0.00202	4.00	Default	
		3DH3	-1.05	0.0008	0.48	0.00112	<0.125	2.7	3.18	0.00208	4.00	Default	
		3DH5	-0.51	0.0009	0.51	0.00112	<0.125	2.7	3.21	0.00209	4.00	Default	
	2441	3DH1	-0.80	0.0008	1.01	0.00126	<0.125	2.7	3.71	0.00235	4.00	Default	
		3DH3	-0.49	0.0009	1.08	0.00128	<0.125	2.7	3.78	0.00239	4.00	Default	
		3DH5	0.07	0.0010	1.20	0.00132	<0.125	2.7	3.90	0.00245	4.00	Default	
	2480	3DH1	-0.63	0.0009	1.23	0.00133	<0.125	2.7	3.93	0.00247	4.00	Default	
		3DH3	-0.36	0.0009	1.34	0.00136	<0.125	2.7	4.04	0.00254	4.00	Default	
		3DH5	0.36	0.0011	1.40	0.00138	<0.125	2.7	4.10	0.00257	4.00	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	0.920	0.767
	2441	0.919	0.768
	2480	0.921	0.767
BT_8DPSK	2402	1.275	1.154
	2441	1.276	1.154
	2480	1.276	1.155

**Carrier Frequency Separation Measurement**

Test Mode	Frequency (MHz)	Measurement (MHz)	Limit (MHz)
BT_GFSK	2402	0.990	$\geq 0.613$
	2441	0.994	$\geq 0.613$
	2480	1.016	$\geq 0.614$
BT_8DPSK	2402	0.990	$\geq 0.850$
	2441	0.988	$\geq 0.851$
	2480	1.010	$\geq 0.851$

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)	0.4107 ms
	Dwell Times on Cycle (1) * (2)	131.468 ms
	Limit (msec)	$\leq 400$
	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)	$\leq 400$
	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)	2.962 ms
Dwell Times on Cycle (1) * (2)	316.365 ms	
Limit (msec)	$\leq 400$	

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)	0.4165 ms
	Dwell Times on Cycle (1) * (2)	133.325 ms
	Limit (msec)	$\leq 400$
	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)	$\leq 400$
	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)	2.945 ms
Dwell Times on Cycle (1) * (2)	314.550 ms	
Limit (msec)	$\leq 400$	