# 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 | W | | |
| BT_GFSK | 2402 | DH1 | -0.25 | 0.0009 | 0.53 | 0.00113 | <0.125 | 6.00 | putty |
| | | DH3 | -0.08 | 0.0010 | 0.55 | 0.00114 | <0.125 | 6.00 | |
| | | DH5 | -0.10 | 0.0010 | 0.52 | 0.00113 | <0.125 | 6.00 | |
| | 2441 | DH1 | -0.65 | 0.0009 | 0.15 | 0.00104 | <0.125 | 6.00 | |
| | | DH3 | -0.47 | 0.0009 | 0.19 | 0.00104 | <0.125 | 6.00 | |
| | | DH5 | -0.47 | 0.0009 | 0.16 | 0.00104 | <0.125 | 6.00 | |
| | 2480 | DH1 | -1.10 | 0.0008 | -0.27 | 0.00094 | <0.125 | 6.00 | |
| | | DH3 | -0.92 | 0.0008 | -0.25 | 0.00094 | <0.125 | 6.00 | |
| | | DH5 | -0.91 | 0.0008 | -0.22 | 0.00095 | <0.125 | 6.00 | |
| BT_π/4-DQPSK | 2402 | 2DH1 | 1.56 | 0.0014 | 4.30 | 0.00269 | <0.125 | 7.00 | |
| | | 2DH3 | 1.60 | 0.0014 | 4.33 | 0.00271 | <0.125 | 7.00 | |
| | | 2DH5 | 1.57 | 0.0014 | 4.28 | 0.00268 | <0.125 | 7.00 | |
| | 2441 | 2DH1 | 1.20 | 0.0013 | 3.99 | 0.00251 | <0.125 | 7.00 | |
| | | 2DH3 | 1.24 | 0.0013 | 3.99 | 0.00251 | <0.125 | 7.00 | |
| | | 2DH5 | 1.22 | 0.0013 | 3.96 | 0.00249 | <0.125 | 7.00 | |
| | 2480 | 2DH1 | 0.79 | 0.0012 | 3.64 | 0.00231 | <0.125 | 7.00 | |
| | | 2DH3 | 0.83 | 0.0012 | 3.60 | 0.00229 | <0.125 | 7.00 | |
| | | 2DH5 | 0.81 | 0.0012 | 3.55 | 0.00226 | <0.125 | 7.00 | |
| BT_8DPSK | 2402 | 3DH1 | 1.54 | 0.0014 | 4.73 | 0.00297 | <0.125 | 7.00 | |
| | | 3DH3 | 1.62 | 0.0015 | 4.74 | 0.00298 | <0.125 | 7.00 | |
| | | 3DH5 | 1.56 | 0.0014 | 4.66 | 0.00292 | <0.125 | 7.00 | |
| | 2441 | 3DH1 | 1.19 | 0.0013 | 4.39 | 0.00275 | <0.125 | 7.00 | |
| | | 3DH3 | 1.23 | 0.0013 | 4.41 | 0.00276 | <0.125 | 7.00 | |
| | | 3DH5 | 1.19 | 0.0013 | 4.28 | 0.00268 | <0.125 | 7.00 | |
| | 2480 | 3DH1 | 0.77 | 0.0012 | 4.04 | 0.00254 | <0.125 | 7.00 | |
| | | 3DH3 | 0.82 | 0.0012 | 4.02 | 0.00252 | <0.125 | 7.00 | |
| | | 3DH5 | 0.80 | 0.0012 | 3.93 | 0.00247 | <0.125 | 7.00 | |

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 | 0.941 | 0.842 |
| | 2441 | 0.940 | 0.841 |
| | 2480 | 0.939 | 0.841 |
| BT_8DPSK | 2402 | 1.299 | 1.183 |
| | 2441 | 1.299 | 1.184 |
| | 2480 | 1.299 | 1.183 |

| Carrier Frequency Separation Measurement | | | |
|---|---|---|---|
| Test Mode | Frequency (MHz) | Measurement (MHz) | Limit (MHz) |
| BT_GFSK | 2402 | 0.676 | ≧ 0.627 |
| | 2441 | 0.998 | ≧ 0.627 |
| | 2480 | 1.302 | ≧ 0.626 |
| BT_8DPSK | 2402 | 1.000 | ≧ 0.866 |
| | 2441 | 1.014 | ≧ 0.866 |
| | 2480 | 1.008 | ≧ 0.866 |

| 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) | 0.405 ms |
| | Dwell Times on Cycle (1) * (2) | 129.644 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) | 1.665 ms |
| | Dwell Times on Cycle (1) * (2) | 266.227 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) | 2.940 ms |
| | Dwell Times on Cycle (1) * (2) | 314.016 ms |
| | Limit (msec) | < = 400 |

| 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) | 1.665 ms |
| | Dwell Times on Cycle (1) * (2) | 266.227 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) | 2.925 ms |
| | Dwell Times on Cycle (1) * (2) | 312.413 ms |
| | Limit (msec) | < = 400 |