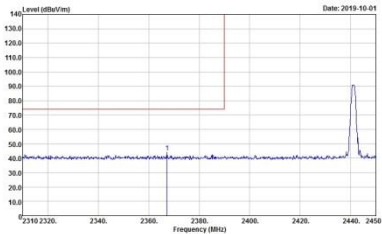
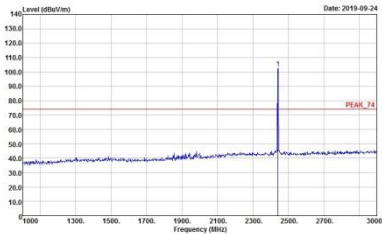
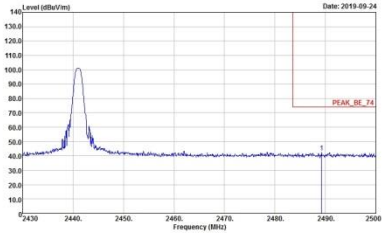
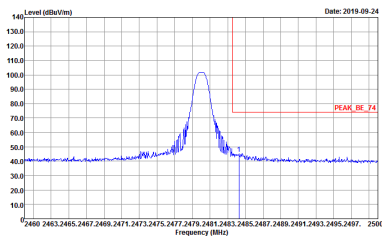
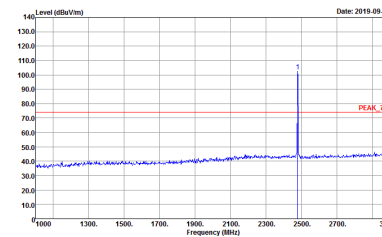


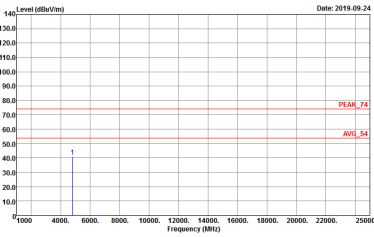
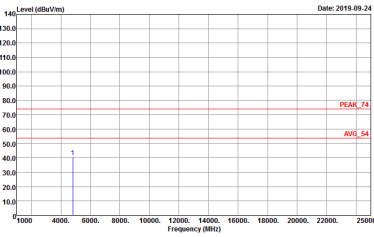
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH39 2441MHz	
	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH78 2480MHz	
	Horizontal	Fundamental
Peak	Level (dBuV/m) Date: 2019-09-24 2460 2463.2465.2467.2469.2471.2473.2475.2477.2479.2481.2483.2485.2487.2489.2491.2493.2495.2497. 2500 Frequency (MHz) Site : 03CH11-14Y Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238	Level (dBuV/m) Date: 2019-09-24 1000 1300. 1500. 1700. 1900. 2100. 2300. 2500. 2700. 3000 Frequency (MHz) Site : 03CH11-14Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238

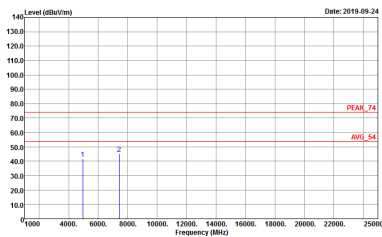
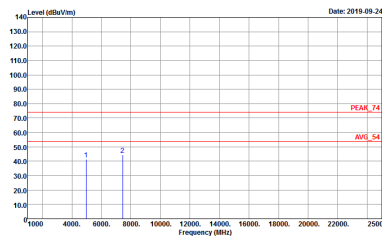
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH78 2480MHz	
	Vertical	Fundamental
Peak	 Site : 03CH11-14Y Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 981238	 Site : 03CH11-14Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 981238

2.4GHz 2400~2483.5MHz
BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH00 2402MHz	
	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 981238	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 981238

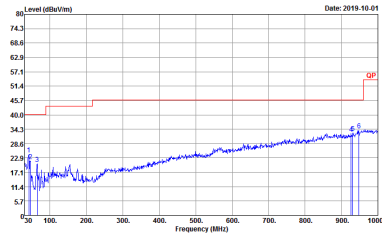
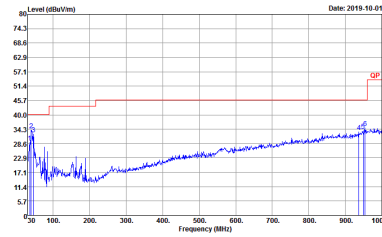


BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH39 2441MHz	
	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2019-09-24 Site : 03CH11-14Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 981238	Level (dBuV/m) Date: 2019-09-24 Site : 03CH11-14Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 981238

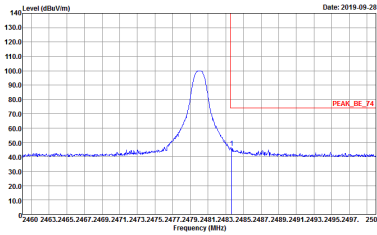
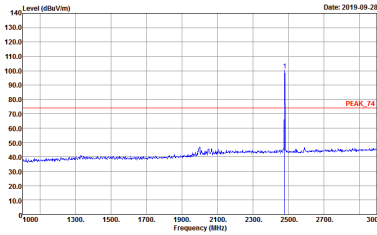
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-14Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 981238	 Site : 03CH11-14Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 981238

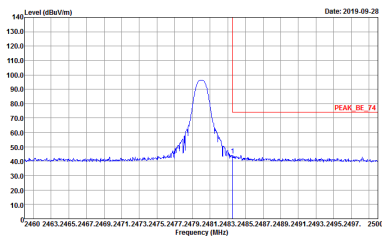
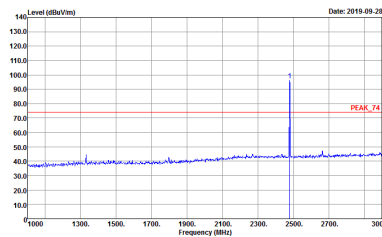
Emission below 1GHz

2.4GHz BT (LF)

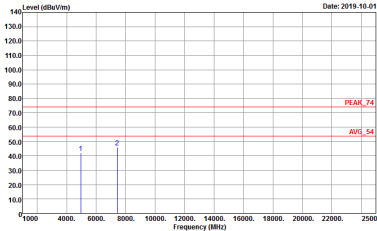
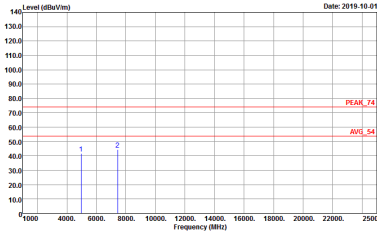
BT	2.4GHz 2400~2483.5MHz	
	BT LF	
	Horizontal	Vertical
QP / Peak	 Site : 03CH11-HY Condition : QP 3m 8L-LOG 6111D-LF_ETC HORIZONTAL Detector : Peak Project : 981238	 Site : 03CH11-HY Condition : QP 3m 8L-LOG 6111D-LF_ETC VERTICAL Detector : Peak Project : 981238

<SKU2>
2.4GHz 2400~2483.5MHz
BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH78 2480MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238

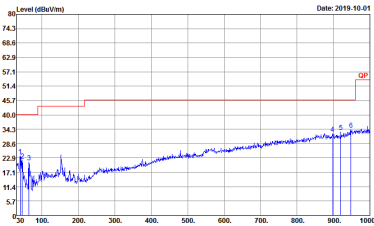
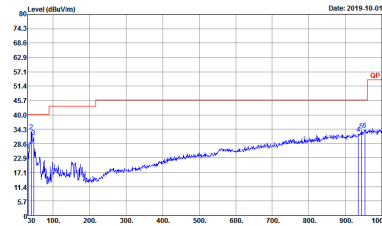
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH78 2480MHz	
	Vertical	Fundamental
Peak	 Site : 03CH11-14Y Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238	 Site : 03CH11-14Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238

2.4GHz 2400~2483.5MHz
BT (Harmonic @ 3m)

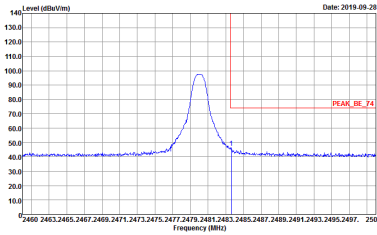
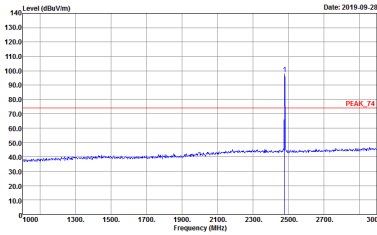
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 981238	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 981238

Emission below 1GHz

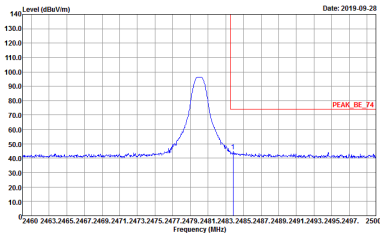
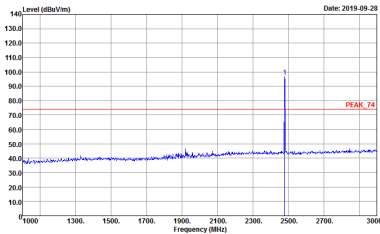
2.4GHz BT (LF)

BT	2.4GHz 2400~2483.5MHz	
	BT LF	
	Horizontal	Vertical
QP / Peak	 Site : 03CH11-HY Condition : QP 3m 8E-LOG 6111D-LF_ETC HORIZONTAL Detector : Peak Project : 981238	 Site : 03CH11-HY Condition : QP 3m 8E-LOG 6111D-LF_ETC VERTICAL Detector : Peak Project : 981238

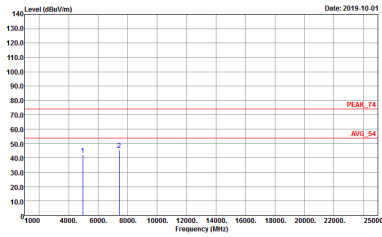
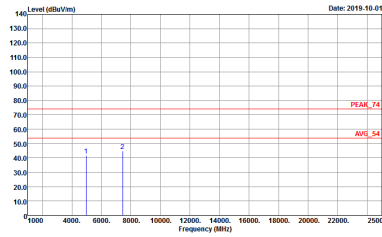
<SKU3>
2.4GHz 2400~2483.5MHz
BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH78 2480MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238



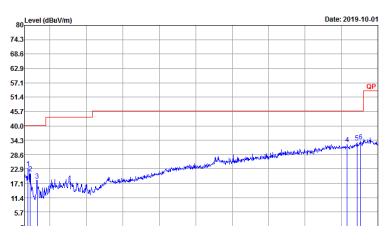
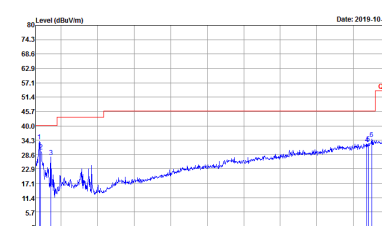
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH78 2480MHz	
	Vertical	Fundamental
Peak	 Site : 03CH11-14Y Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238	 Site : 03CH11-14Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238

2.4GHz 2400~2483.5MHz
BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 981238	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 981238

Emission below 1GHz

2.4GHz BT (LF)

BT	2.4GHz 2400~2483.5MHz	
	BT LF	
	Horizontal	Vertical
QP / Peak	 Site : 03CH11-HY Condition : QP 3m 8L-LOG 6111D-LF_ETC HORIZONTAL Detector : Peak Project : 981238	 Site : 03CH11-HY Condition : QP 3m 8L-LOG 6111D-LF_ETC VERTICAL Detector : Peak Project : 981238

Annex. A Receiver Radiated Emission Measurement

A.1 Limit of Receiver Radiated Emission

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

A.2 Measuring Instruments

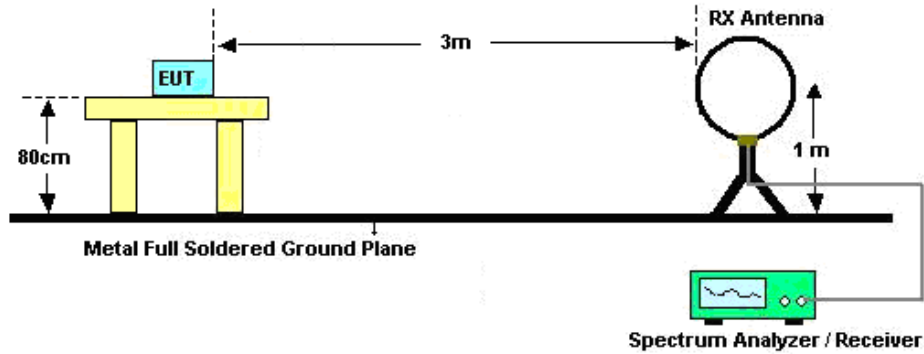
See list of measuring equipment of this test report.

A.3 Test Procedures

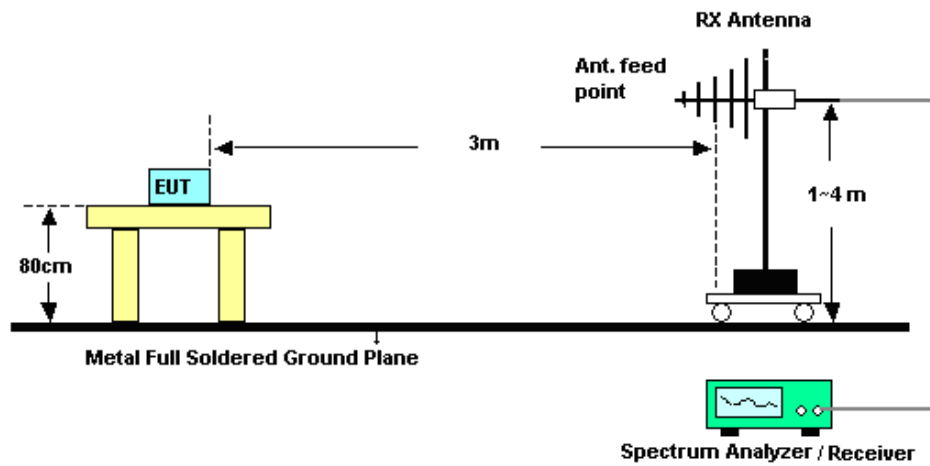
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a Bi-Log antenna and its height is adjusted between one to four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
8. Emission level (dBμV/m) = 20 log Emission level (μV/m)
9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

A.4 Test Setup

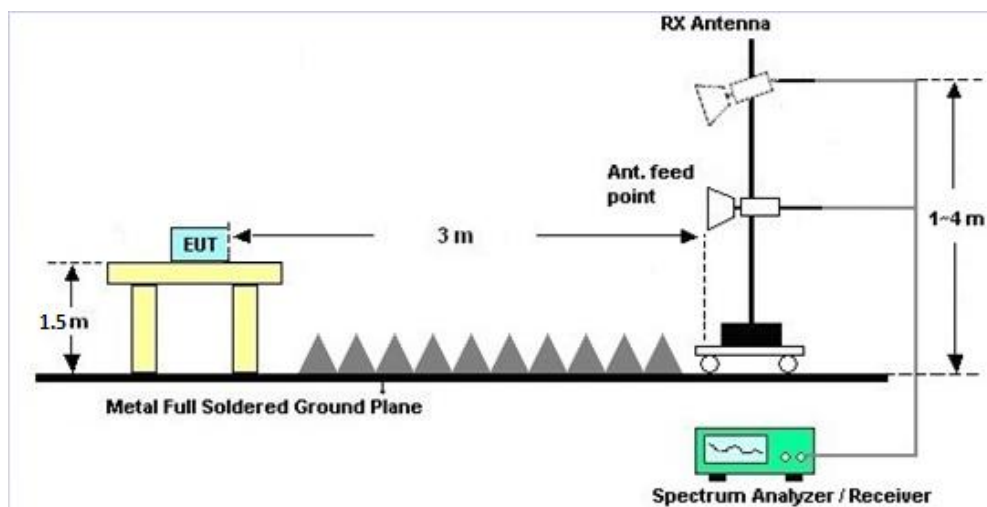
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz

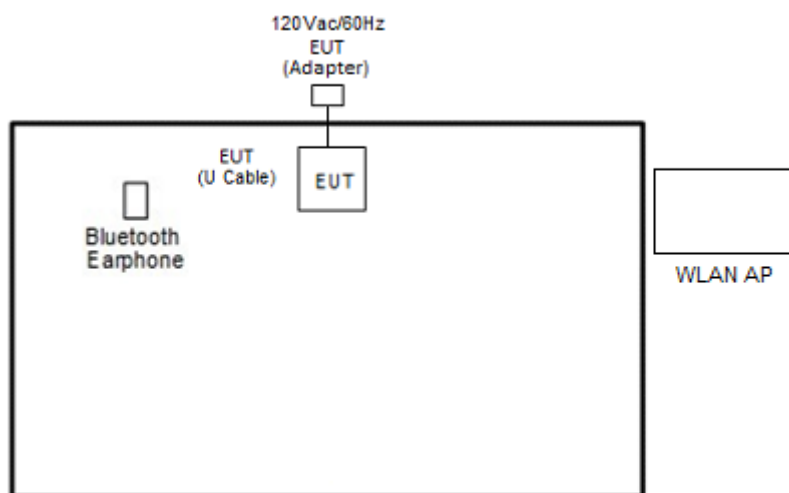


A.5 Test Result of Receiver Radiated Spurious Emissions (9kHz ~ 30MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per NCC LP0002 section 5.13 was not reported.

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

A.6 Connection Diagram of Test System

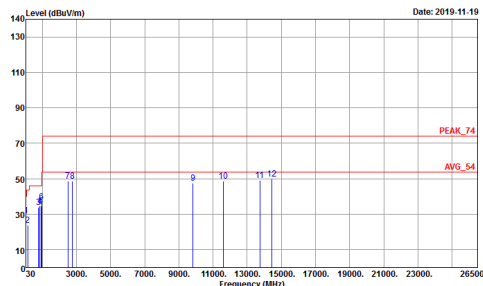


A.7 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m

A.8 Test Result of Receiver Radiated Spurious Emission (30MHz ~ 5th Harmonic)

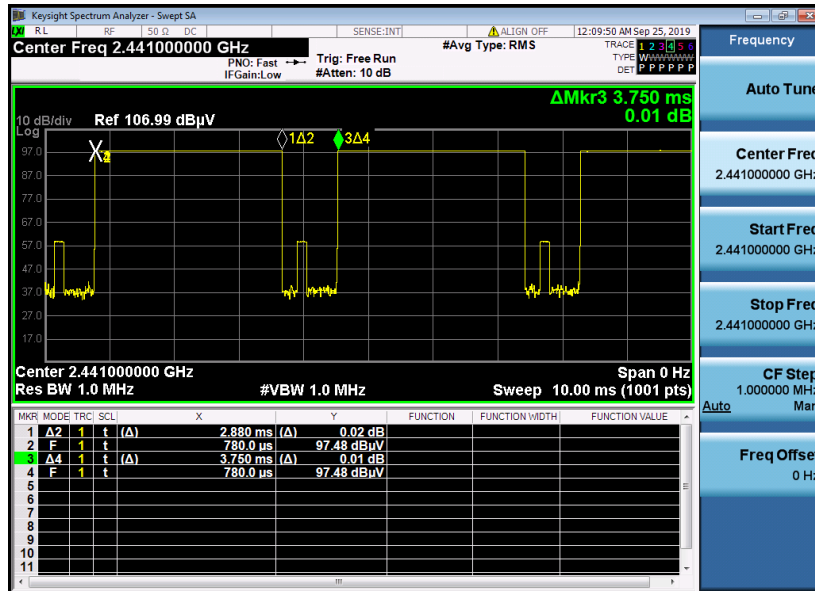
Test Engineer :	Jack Cheng , Lance Chiang ,Chuan Chu	Temperature :	23.1~26.4°C
		Relative Humidity :	51.8~60.9%
Frequency	44.550 MHz	Margin	Under 6.12 dB (for Quasi-Peak)
Test Mode	Bluetooth + WLAN (2.4GHz) Idle mode		

		Idle Mode																																																																																																																																																																																																																																																																																																																																																						
		Horizontal																																																																																																																																																																																																																																																																																																																																																						
Peak Avg.																																																																																																																																																																																																																																																																																																																																																								
	Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 981238 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>44.55</td><td>29.17</td><td>-10.83</td><td>40.00</td><td>41.60</td><td>16.98</td><td>0.95</td><td>30.39</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>132.82</td><td>23.97</td><td>-19.53</td><td>43.50</td><td>35.26</td><td>17.48</td><td>1.52</td><td>30.39</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>771.08</td><td>33.83</td><td>-12.17</td><td>46.00</td><td>30.95</td><td>28.13</td><td>3.79</td><td>29.36</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>4</td><td>854.50</td><td>34.55</td><td>-11.45</td><td>46.00</td><td>30.36</td><td>29.03</td><td>3.99</td><td>29.21</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>5</td><td>912.70</td><td>34.90</td><td>-11.10</td><td>46.00</td><td>30.25</td><td>29.21</td><td>4.12</td><td>29.10</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>6</td><td>948.59</td><td>36.90</td><td>-9.10</td><td>46.00</td><td>30.71</td><td>30.53</td><td>4.20</td><td>29.00</td><td>100</td><td>0</td><td>Peak</td></tr><tr><td>7</td><td>2488.00</td><td>48.86</td><td>-25.14</td><td>74.00</td><td>48.14</td><td>27.32</td><td>6.68</td><td>33.28</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>8</td><td>2766.00</td><td>48.94</td><td>-25.06</td><td>74.00</td><td>47.60</td><td>27.93</td><td>6.85</td><td>33.44</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>9</td><td>9825.00</td><td>47.51</td><td>-26.49</td><td>74.00</td><td>50.70</td><td>39.25</td><td>14.08</td><td>57.06</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>10</td><td>11610.00</td><td>48.57</td><td>-25.43</td><td>74.00</td><td>49.66</td><td>39.55</td><td>15.20</td><td>56.30</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>11</td><td>13740.00</td><td>49.30</td><td>-24.70</td><td>74.00</td><td>49.37</td><td>40.54</td><td>16.13</td><td>57.35</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>12</td><td>14445.00</td><td>49.82</td><td>-24.18</td><td>74.00</td><td>47.41</td><td>41.80</td><td>16.85</td><td>56.87</td><td>100</td><td>0</td><td>Peak</td></tr></table> Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 981238 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>44.55</td><td>33.88</td><td>-6.12</td><td>40.00</td><td>46.31</td><td>16.98</td><td>0.95</td><td>30.39</td><td>100</td><td>324</td><td>Q*</td></tr><tr><td>2</td><td>44.55</td><td>40.98</td><td>0.98</td><td>40.00</td><td>53.41</td><td>16.98</td><td>0.95</td><td>30.39</td><td>100</td><td>324</td><td>Peak</td></tr><tr><td>3</td><td>120.21</td><td>29.66</td><td>-13.84</td><td>43.50</td><td>41.22</td><td>17.32</td><td>1.44</td><td>30.41</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>4</td><td>562.53</td><td>30.24</td><td>-15.76</td><td>46.00</td><td>30.26</td><td>26.18</td><td>3.26</td><td>29.69</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>5</td><td>740.04</td><td>32.21</td><td>-13.79</td><td>46.00</td><td>29.66</td><td>27.97</td><td>3.71</td><td>29.43</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>6</td><td>886.51</td><td>34.65</td><td>-11.35</td><td>46.00</td><td>30.34</td><td>29.01</td><td>4.06</td><td>29.16</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>7</td><td>956.35</td><td>36.92</td><td>-9.08</td><td>46.00</td><td>30.40</td><td>30.81</td><td>4.22</td><td>28.98</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>8</td><td>2212.00</td><td>49.07</td><td>-24.93</td><td>74.00</td><td>47.48</td><td>28.15</td><td>6.38</td><td>32.94</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>9</td><td>2600.00</td><td>48.47</td><td>-25.53</td><td>74.00</td><td>47.64</td><td>27.40</td><td>6.78</td><td>33.35</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>10</td><td>9690.00</td><td>47.81</td><td>-26.19</td><td>74.00</td><td>51.47</td><td>38.88</td><td>14.02</td><td>57.04</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>11</td><td>10620.00</td><td>48.08</td><td>-25.92</td><td>74.00</td><td>50.07</td><td>39.88</td><td>14.48</td><td>56.80</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>12</td><td>13260.00</td><td>48.58</td><td>-25.42</td><td>74.00</td><td>49.81</td><td>39.66</td><td>15.74</td><td>57.20</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>13</td><td>13995.00</td><td>49.92</td><td>-24.08</td><td>74.00</td><td>49.44</td><td>40.90</td><td>16.35</td><td>57.40</td><td>100</td><td>0</td><td>Peak</td></tr></table>	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	44.55	29.17	-10.83	40.00	41.60	16.98	0.95	30.39	---	---	Peak	2	132.82	23.97	-19.53	43.50	35.26	17.48	1.52	30.39	---	---	Peak	3	771.08	33.83	-12.17	46.00	30.95	28.13	3.79	29.36	---	---	Peak	4	854.50	34.55	-11.45	46.00	30.36	29.03	3.99	29.21	---	---	Peak	5	912.70	34.90	-11.10	46.00	30.25	29.21	4.12	29.10	---	---	Peak	6	948.59	36.90	-9.10	46.00	30.71	30.53	4.20	29.00	100	0	Peak	7	2488.00	48.86	-25.14	74.00	48.14	27.32	6.68	33.28	---	---	Peak	8	2766.00	48.94	-25.06	74.00	47.60	27.93	6.85	33.44	---	---	Peak	9	9825.00	47.51	-26.49	74.00	50.70	39.25	14.08	57.06	---	---	Peak	10	11610.00	48.57	-25.43	74.00	49.66	39.55	15.20	56.30	---	---	Peak	11	13740.00	49.30	-24.70	74.00	49.37	40.54	16.13	57.35	---	---	Peak	12	14445.00	49.82	-24.18	74.00	47.41	41.80	16.85	56.87	100	0	Peak	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	44.55	33.88	-6.12	40.00	46.31	16.98	0.95	30.39	100	324	Q*	2	44.55	40.98	0.98	40.00	53.41	16.98	0.95	30.39	100	324	Peak	3	120.21	29.66	-13.84	43.50	41.22	17.32	1.44	30.41	---	---	Peak	4	562.53	30.24	-15.76	46.00	30.26	26.18	3.26	29.69	---	---	Peak	5	740.04	32.21	-13.79	46.00	29.66	27.97	3.71	29.43	---	---	Peak	6	886.51	34.65	-11.35	46.00	30.34	29.01	4.06	29.16	---	---	Peak	7	956.35	36.92	-9.08	46.00	30.40	30.81	4.22	28.98	---	---	Peak	8	2212.00	49.07	-24.93	74.00	47.48	28.15	6.38	32.94	---	---	Peak	9	2600.00	48.47	-25.53	74.00	47.64	27.40	6.78	33.35	---	---	Peak	10	9690.00	47.81	-26.19	74.00	51.47	38.88	14.02	57.04	---	---	Peak	11	10620.00	48.08	-25.92	74.00	50.07	39.88	14.48	56.80	---	---	Peak	12	13260.00	48.58	-25.42	74.00	49.81	39.66	15.74	57.20	---	---	Peak	13	13995.00	49.92	-24.08	74.00	49.44	40.90	16.35	57.40	100	0
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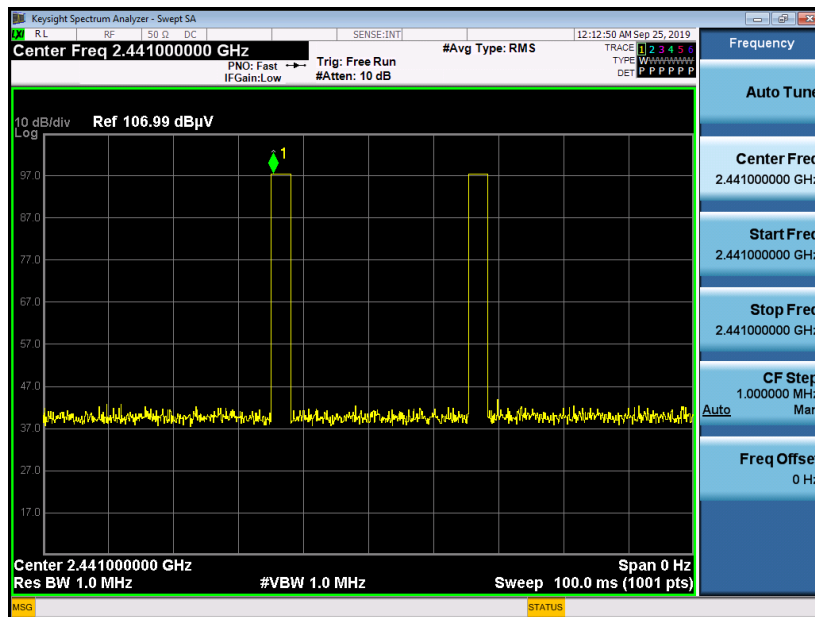
Appendix D. Duty Cycle Plots

<SKU1>

DH5 on time (One Pulse) Plot on Channel 39



on time (Count Pulses) Plot on Channel 39

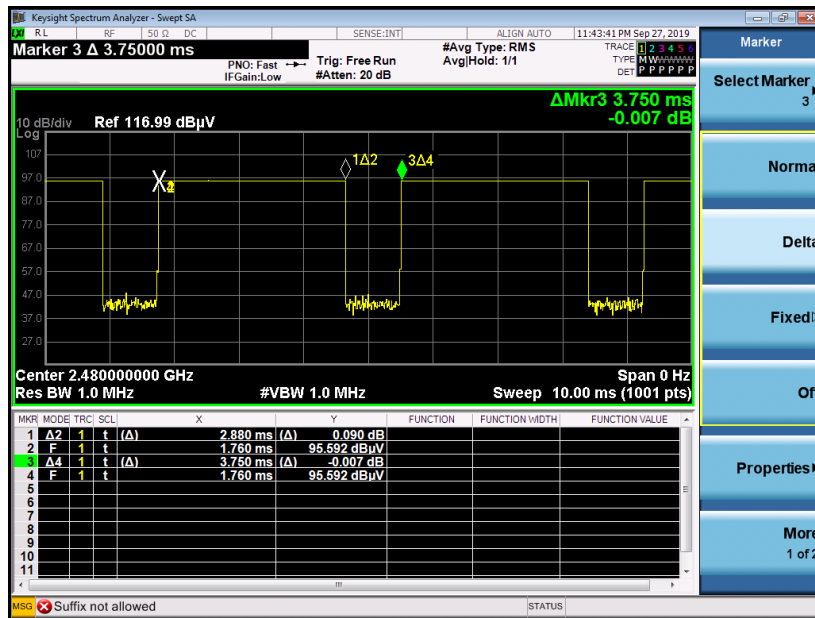


Note:

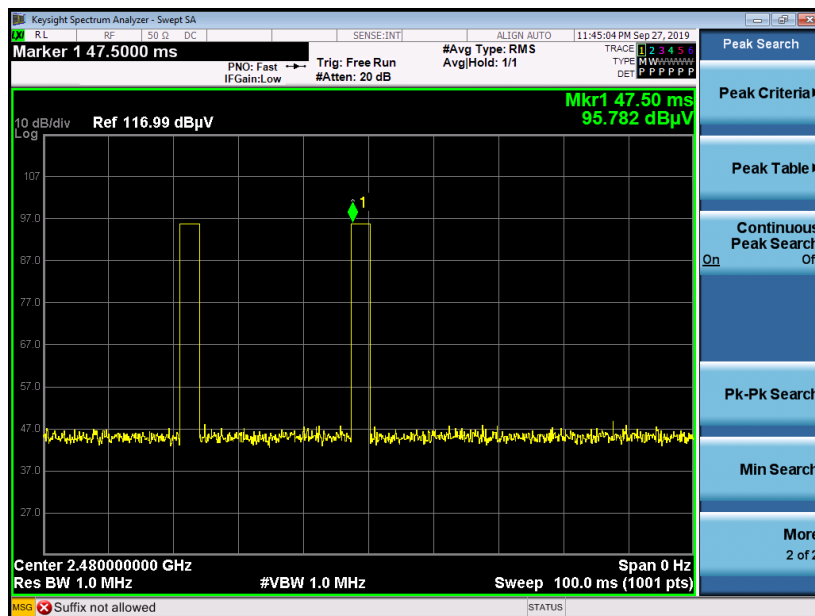
1. Worst case Duty cycle = on time/100 milliseconds = $2 * 2.88 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -24.79 \text{ dB}$
3. DH5 has the highest duty cycle worst case and is reported.

<SKU2>

DH5 on time (One Pulse) Plot on Channel 39



on time (Count Pulses) Plot on Channel 39

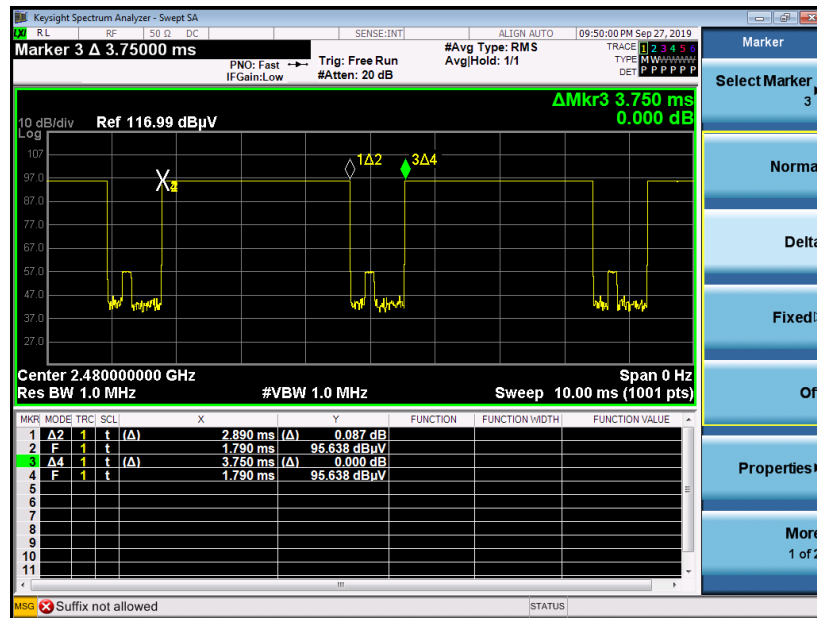


Note:

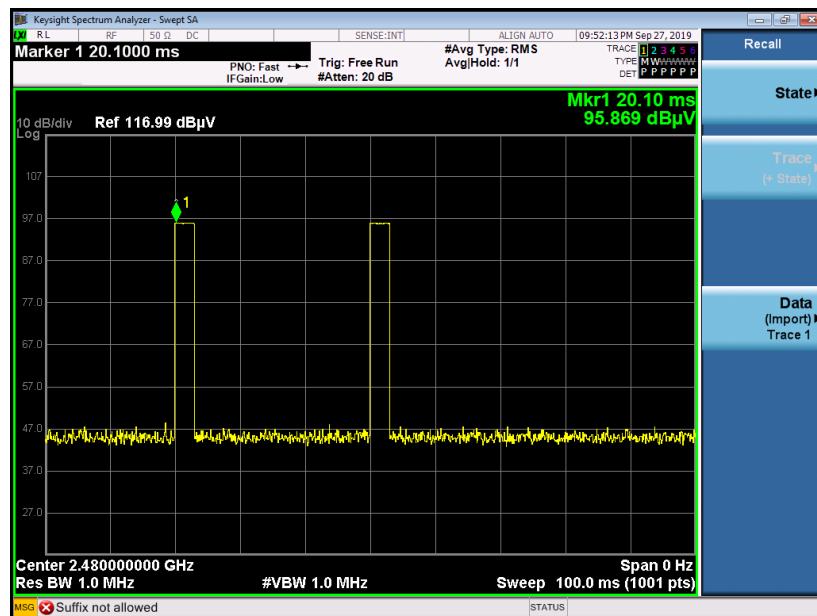
1. Worst case Duty cycle = on time/100 milliseconds = $2 * 2.88 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -24.79 \text{ dB}$
3. DH5 has the highest duty cycle worst case and is reported.

<SKU3>

DH5 on time (One Pulse) Plot on Channel 39



on time (Count Pulses) Plot on Channel 39



Note:

1. Worst case Duty cycle = on time/100 milliseconds = $2 * 2.89 / 100 = 5.78 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -24.76 \text{ dB}$
3. DH5 has the highest duty cycle worst case and is reported.

Duty Cycle Correction Factor Consideration for AFH mode:

Bluetooth normal hopping rate is 1600Hz and reduced to 800Hz in AFH mode; due to the reduced number of hopping frequencies, with the same packet configuration the dwell time in each channel frequency within 100msec period is longer in AFH mode than normal mode.

In AFH mode, the minimum hopping frequencies are 20, to get the longest dwell time DH5 packet is observed; the period to have DH5 packet completing one hopping sequence is

$$2.88 \text{ ms} \times 20 \text{ channels} = 57.6 \text{ ms}$$

There cannot be 2 complete hopping sequences within 100ms period, considering the random hopping behavior, maximum 2 hops can be possibly observed within the period. $[100\text{ms} / 57.6\text{ms}] = 2$ hops

Thus, the maximum possible ON time:

$$2.88 \text{ ms} \times 2 = 5.76 \text{ ms}$$

Worst case Duty Cycle Correction factor, which is derived from the maximum possible ON time,

$$20 \times \log(5.76 \text{ ms}/100\text{ms}) = -24.79 \text{ dB}$$