



BT CH 78 2480MHz	*	2480	110.78	-	-	103.42	32.39	6.53	31.56	178	168	P	H
	*	2480	85.99	-	-	-	-	-	-	178	168	P	H
		2487.16	59.79	-14.21	74	52.43	32.39	6.53	31.56	178	168	P	H
		2487.16	35	-19	54	-	-	-	-	178	168	A	H
	*	2480	105.89	-	-	98.53	32.39	6.53	31.56	328	65	P	V
	*	2480	81.1	-	-	-	-	-	-	328	65	P	V
		2488.32	56.11	-17.89	74	48.74	32.4	6.53	31.56	328	65	P	V
		2488.32	31.32	-22.68	54	-	-	-	-	328	65	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamplifier Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT CH 00 2402MHz		4804	46.31	-27.69	74	60.33	34.41	9.47	57.9	-	-	P	H
		4804	21.52	-32.48	54					-	-	A	H
		4804	46.42	-27.58	74	60.44	34.41	9.47	57.9	-	-	P	V
		4804	21.63	-32.37	54					-	-	A	V
BT CH 39 2441MHz		4882	44.05	-29.95	74	58.05	34.37	9.53	57.9	-	-	P	H
		4882	19.26	-34.74	54					-	-	P	H
		7323	47.31	-26.69	74	59.55	36.04	11.24	59.52	-	-	P	H
		7323	22.52	-31.48	54					-	-	A	H
		4882	44.66	-29.34	74	58.66	34.37	9.53	57.9	-	-	P	V
		4882	19.87	-34.13	54					-	-	P	V
		7323	50.61	-23.39	74	62.85	36.04	11.24	59.52	-	-	P	V
		7323	25.82	-28.18	54					-	-	A	V
BT CH 78 2480MHz		4960	44.65	-29.35	74	58.64	34.32	9.59	57.9	-	-	P	H
		4960	19.86	-34.14	54					-	-	P	H
		7440	45.41	-28.59	74	58.04	35.94	11.29	59.86	-	-	P	H
		7440	20.62	-33.38	54					-	-	A	H
		4960	42.83	-31.17	74	56.82	34.32	9.59	57.9	-	-	P	V
		4960	18.04	-35.96	54					-	-	P	V



		7440	47.19	-26.81	74	59.82	35.94	11.29	59.86	-	-	P	V
		7440	22.4	-31.6	54					-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

2.4GHz BT (LF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz BT LF		89.17	22.04	-21.46	43.5	42.07	14.04	1.11	35.18	-	-	P	H
		188.11	23.36	-20.14	43.5	39.65	17.09	1.72	35.1	-	-	P	H
		317.12	25.19	-20.81	46	37.51	20.15	2.43	34.9	-	-	P	H
		495.6	22.71	-23.29	46	30.67	23.75	2.99	34.7	-	-	P	H
		674.08	25.25	-20.75	46	29.52	26.58	3.65	34.5	-	-	P	H
		974.78	28.12	-25.88	54	27.94	29.99	4.34	34.15	-	-	P	H
		36.79	26.86	-13.14	40	41.87	19.38	0.61	35	-	-	P	V
		196.84	27.36	-16.14	43.5	44.09	16.51	1.86	35.1	-	-	P	V
		332.64	23.84	-22.16	46	35.64	20.63	2.47	34.9	-	-	P	V
		512.09	24.05	-21.95	46	31.56	24.1	3.07	34.68	-	-	P	V
		842.86	28.46	-17.54	46	30.15	28.57	4.04	34.3	-	-	P	V
		988.36	29.85	-24.15	54	29.49	30.13	4.35	34.12	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is Margin line.
P/A	Peak or Average
H/V	Horizontal or Vertical



A calculation example for radiated spurious emission is shown as below:

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT CH 00 2402MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)

2. Level(dBμV/m) =

Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

3. Margin (dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Margin (dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Margin (dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.



Appendix D. Radiated Spurious Emission Plots

Note symbol

-L	Low channel location
-R	High channel location



2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																															
ANT	BT CH00 2402MHz																																																															
	Horizontal	Fundamental																																																														
Peak	Date: 1 Level (dBuV/m) Date: 2023-04-01 Site: 03CH02-SZ Condition: PEAK, 74 3m HF_ANT_3117_0107 HORIZONTAL Project: 202209-01 Mode: Mode 6 SN: G82MM033087000K Plane: 1 with Accessories 7/0/1 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>HeadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><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>2389.91</td><td>54.45</td><td>-19.55</td><td>74.00</td><td>47.38</td><td>32.36</td><td>6.44</td><td>31.73</td><td>179</td><td>169 Peak</td></tr></table>	Freq	Level	Over	Limit	HeadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	2389.91	54.45	-19.55	74.00	47.38	32.36	6.44	31.73	179	169 Peak	Date: 2 Level (dBuV/m) Date: 2023-04-01 Site: 03CH02-SZ Condition: PEAK, 74 3m HF_ANT_3117_0107 HORIZONTAL Project: 202209-01 Mode: Mode 6 SN: G82MM033087000K Plane: 1 with Accessories 7/0/1 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>HeadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><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>2402.00</td><td>118.85</td><td>36.85</td><td>74.00</td><td>183.70</td><td>32.36</td><td>6.44</td><td>31.73</td><td>179</td><td>169 Peak</td></tr></table>	Freq	Level	Over	Limit	HeadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	2402.00	118.85	36.85	74.00	183.70	32.36	6.44	31.73	179	169 Peak
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ANT	BT CH00 2402MHz																																																																			
1+2	Vertical					Fundamental																																																														
Peak	Date: 3 Site : 02CH02-S2 Condition : PEAK_BE_74 3m HF_ANT_3117_0107 VERTICAL Project : 2H2209-01 Mode : Mode S SN : GSENMMA33087000K Plane : Y with Accessories 7/0/1 <table><tr><th>Freq</th><th>Level</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>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2389.59</td><td>49.81</td><td>-24.99</td><td>74.00</td><td>41.94</td><td>32.36</td><td>6.44</td><td>31.73</td><td>329</td><td>73 Peak</td></tr></table>					Freq	Level	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	1	2389.59	49.81	-24.99	74.00	41.94	32.36	6.44	31.73	329	73 Peak	Date: 4 Site : 02CH02-S2 Condition : PEAK_74 3m HF_ANT_3117_0107 VERTICAL Project : 2H2209-01 Mode : Mode S SN : GSENMMA33087000K Plane : Y with Accessories 7/0/1 <table><tr><th>Freq</th><th>Level</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>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2402.00</td><td>184.35</td><td>30.35</td><td>74.00</td><td>97.28</td><td>32.36</td><td>6.44</td><td>31.73</td><td>529</td><td>73 Peak</td></tr></table>					Freq	Level	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	1	2402.00	184.35	30.35	74.00	97.28	32.36	6.44	31.73	529	73 Peak
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MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg																																																							
1	2441.00	107.71	33.71	74.00	100.47	32.38	6.48	31.62	329	72 Peak																																																						
Peak	Date: 6 Date: 2023-04-01 Site : 03CH02-SZ Condition : PEAK_BE_74 3m HF_ANT_3117_0107 VERTICAL Project : ZKZ209-01 Mode : Mode 7 SN : G6E2MM033087000K Plane : X with Accessories T: 7/0/1 <table><tr><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>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>2440.45</td><td>49.00</td><td>-24.18</td><td>74.00</td><td>42.53</td><td>32.40</td><td>6.53</td><td>31.56</td><td>329</td><td>72 Peak</td></tr></table>	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	2440.45	49.00	-24.18	74.00	42.53	32.40	6.53	31.56	329	72 Peak	Left blank																															
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																																																							
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BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																													
ANT	BT CH78 2480MHz																																																													
	Horizontal	Fundamental																																																												
Peak	Date: 2 Site : 02CH02-S2 Condition : PEAK_BE_74 3m HF_ANT_3117_0107 HORIZONTAL Project : 2K2209-01 Mode : Mode 9 SN : G6E2MMA033087000K Plane : Y with Accessories 7/0/1 <table><tr><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>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2487.16</td><td>59.79</td><td>-14.21</td><td>74.00</td><td>52.43</td><td>32.39</td><td>6.53</td><td>31.56</td><td>178 168 Peak</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	2487.16	59.79	-14.21	74.00	52.43	32.39	6.53	31.56	178 168 Peak	Date: 1 Site : 02CH02-S2 Condition : PEAK_74 3m HF_ANT_3117_0107 HORIZONTAL Project : 2K2209-01 Mode : Mode 9 SN : G6E2MMA033087000K Plane : Y with Accessories 7/0/1 <table><tr><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>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2480.00</td><td>118.78</td><td>36.78</td><td>74.00</td><td>103.42</td><td>32.39</td><td>6.53</td><td>31.56</td><td>178 168 Peak</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	2480.00	118.78	36.78	74.00	103.42	32.39	6.53	31.56	178 168 Peak
Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																																																					
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BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																													
ANT	BT CH78 2480MHz																																																													
	Vertical	Fundamental																																																												
Peak	Date: 4 Site : 02CH02-S2 Condition : PEAK_BE_74 3m HF_ANT_3117_0107 VERTICAL Project : 202209-01 Mode : Mode 9 SN : G6E2MM033087000K Plane : Y with Accessories 7/0/1 <table><tr><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>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2480.32</td><td>56.11</td><td>-17.89</td><td>74.00</td><td>49.74</td><td>32.40</td><td>6.53</td><td>31.56</td><td>65 Peak</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	2480.32	56.11	-17.89	74.00	49.74	32.40	6.53	31.56	65 Peak	Date: 3 Site : 02CH02-S2 Condition : PEAK_74 3m HF_ANT_3117_0107 VERTICAL Project : 202209-01 Mode : Mode 9 SN : G6E2MM033087000K Plane : Y with Accessories 7/0/1 <table><tr><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>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2480.00</td><td>105.89</td><td>31.89</td><td>74.00</td><td>98.53</td><td>32.39</td><td>6.53</td><td>31.56</td><td>65 Peak</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	2480.00	105.89	31.89	74.00	98.53	32.39	6.53	31.56	65 Peak
Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																																																					
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2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m																																																																	
ANT	BT CH00 2402MHz																																																																	
	Horizontal					Vertical																																																												
Peak Avg.	Date: 9 Date: 2023-04-20 Site : 03CH02-02 Condition : PEAK_74_3m HF_ANT_3117_0107 HORIZONTAL Project : 2K2209-01 Mode : Mode 6 SN : G082MM033087000K Plane : Y with Accessories 7/0/1 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Poss</th><th>T/Poss</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4884.00</td><td>46.31</td><td>-27.69</td><td>74.00</td><td>60.33</td><td>34.41</td><td>9.47</td><td>57.90</td><td>--- Peak</td></tr></table>					Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Poss	T/Poss	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg	1	4884.00	46.31	-27.69	74.00	60.33	34.41	9.47	57.90	--- Peak	Date: 10 Date: 2023-04-20 Site : 03CH02-02 Condition : PEAK_74_3m HF_ANT_3117_0107 VERTICAL Project : 2K2209-01 Mode : Mode 6 SN : G082MM033087000K Plane : Y with Accessories 7/0/1 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Poss</th><th>T/Poss</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4884.00</td><td>46.42</td><td>-27.58</td><td>74.00</td><td>60.44</td><td>34.41</td><td>9.47</td><td>57.90</td><td>--- Peak</td></tr></table>					Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Poss	T/Poss	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg	1	4884.00	46.42	-27.58	74.00	60.44	34.41	9.47	57.90	--- Peak
	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Poss	T/Poss	Remark																																																									
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BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m																																																																																									
ANT	BT CH39 2441MHz																																																																																									
	Horizontal					Vertical																																																																																				
Peak Avg.	Date: 11 Date: 2023-04-20 Site : 02CH02-S2 Condition : PEAK_74 3m HF_ANT_3117_0107 HORIZONTAL Project : 2KZ209-01 Mode : Mode 7 SN : GSEZMM033087000K Plane : Y with Accessories 7/0/1 <table><tr><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>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>4882.08</td><td>44.85</td><td>-29.95</td><td>74.00</td><td>58.85</td><td>34.37</td><td>9.53</td><td>57.98</td><td>--- Peak</td></tr><tr><td>2</td><td>7323.08</td><td>47.33</td><td>-26.69</td><td>74.00</td><td>59.55</td><td>36.04</td><td>11.24</td><td>59.52</td><td>--- Peak</td></tr></table>					Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	cm	deg		1	4882.08	44.85	-29.95	74.00	58.85	34.37	9.53	57.98	--- Peak	2	7323.08	47.33	-26.69	74.00	59.55	36.04	11.24	59.52	--- Peak	Date: 12 Date: 2023-04-20 Site : 02CH02-S2 Condition : PEAK_74 3m HF_ANT_3117_0107 VERTICAL Project : 2KZ209-01 Mode : Mode 7 SN : GSEZMM033087000K Plane : Y with Accessories 7/0/1 <table><tr><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>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>4882.08</td><td>44.85</td><td>-29.34</td><td>74.00</td><td>58.66</td><td>34.37</td><td>9.53</td><td>57.98</td><td>--- Peak</td></tr><tr><td>2</td><td>7323.08</td><td>50.61</td><td>-23.39</td><td>74.00</td><td>62.85</td><td>36.96</td><td>11.24</td><td>59.52</td><td>--- Peak</td></tr></table>					Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	cm	deg		1	4882.08	44.85	-29.34	74.00	58.66	34.37	9.53	57.98	--- Peak	2	7323.08	50.61	-23.39	74.00	62.85	36.96	11.24	59.52	--- Peak
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BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m																																																																																									
ANT	BT CH78 2480MHz																																																																																									
	Horizontal	Vertical																																																																																								
Peak Avg.	Date: 15 Date: 2023.04.20 Site : 03CH02-S2 Condition : PEAK_74 3m HF_ANT_3117_0107 HORIZONTAL Project : 2H2209-01 Mode : Mode B SN : G6E2MA033087000K Plane : Y with Accessories 7/0/1 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><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><th></th></tr><tr><td>1</td><td>4968.88</td><td>44.65</td><td>-29.35</td><td>74.88</td><td>58.64</td><td>34.32</td><td>9.59</td><td>57.98</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>7448.88</td><td>45.41</td><td>-28.59</td><td>74.88</td><td>58.84</td><td>35.34</td><td>11.29</td><td>59.86</td><td>---</td><td>Peak</td></tr></table>	Freq	Level	Over	Limit	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		1	4968.88	44.65	-29.35	74.88	58.64	34.32	9.59	57.98	---	Peak	2	7448.88	45.41	-28.59	74.88	58.84	35.34	11.29	59.86	---	Peak	Date: 16 Date: 2023.04.20 Site : 03CH02-S2 Condition : PEAK_74 3m HF_ANT_3117_0107 VERTICAL Project : 2H2209-01 Mode : Mode B SN : G6E2MA033087000K Plane : Y with Accessories 7/0/1 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><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><th></th></tr><tr><td>1</td><td>4968.88</td><td>42.83</td><td>-31.17</td><td>74.88</td><td>56.82</td><td>34.32</td><td>9.59</td><td>57.98</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>7448.88</td><td>47.19</td><td>-26.81</td><td>74.88</td><td>59.82</td><td>35.34</td><td>11.29</td><td>59.86</td><td>---</td><td>Peak</td></tr></table>	Freq	Level	Over	Limit	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		1	4968.88	42.83	-31.17	74.88	56.82	34.32	9.59	57.98	---	Peak	2	7448.88	47.19	-26.81	74.88	59.82	35.34	11.29	59.86	---	Peak
Freq	Level	Over	Limit	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																																																																																
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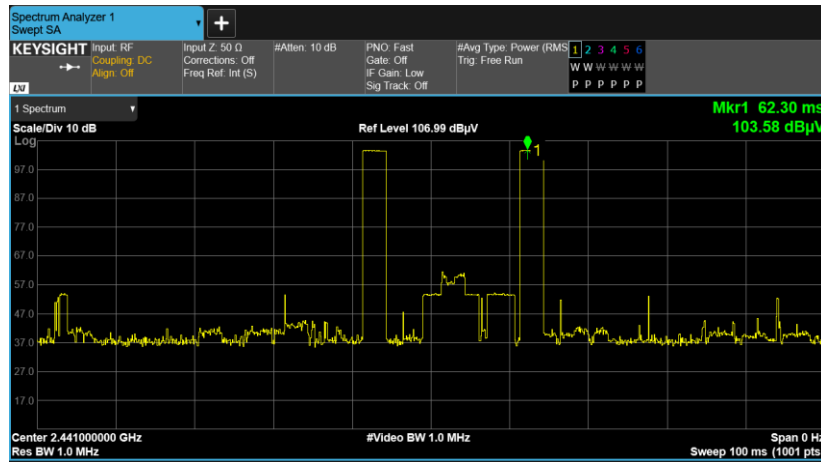
Emission below 1GHz

2.4GHz BT (LF)

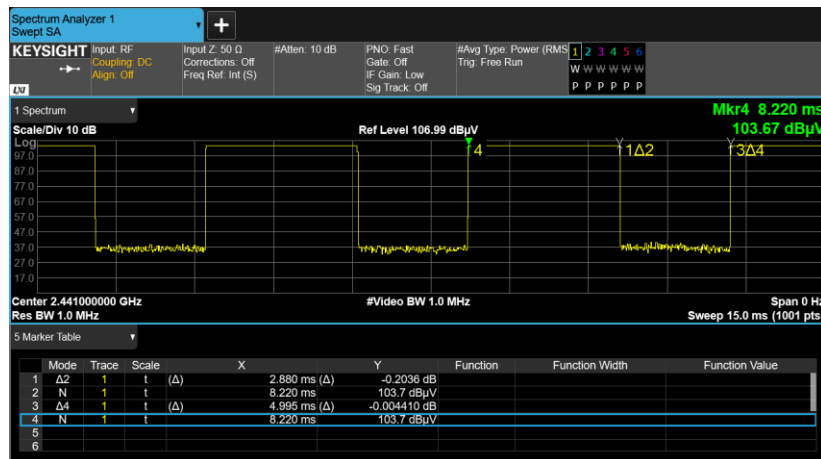
BT	2.4GHz 2400~2483.5MHz																																																																																																																																																																																	
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QP / Peak	Date: 1 Level (dBuV/m) Date: 2023-04-01 Site : 03CH02-SZ Condition : FCC CLASS-B 3m VULB9168-01001 HORIZONTAL Project : 2N2209-01 Mode : Mode 9 IMEI : 60823M033087000K Plane : X with Accessories Plane : 7/0/1 <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</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>89.17</td><td>22.84</td><td>-21.46</td><td>43.50</td><td>42.07</td><td>14.04</td><td>1.11</td><td>35.18</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>159.11</td><td>33.36</td><td>-20.14</td><td>43.50</td><td>39.65</td><td>17.09</td><td>1.73</td><td>35.18</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>317.12</td><td>25.19</td><td>-20.81</td><td>46.00</td><td>37.51</td><td>20.15</td><td>2.43</td><td>34.90</td><td>---</td><td>Peak</td></tr><tr><td>4</td><td>495.60</td><td>22.13</td><td>-23.28</td><td>46.00</td><td>38.67</td><td>23.75</td><td>2.09</td><td>34.70</td><td>---</td><td>Peak</td></tr><tr><td>5</td><td>674.08</td><td>25.25</td><td>-20.75</td><td>46.00</td><td>29.52</td><td>26.58</td><td>3.65</td><td>34.58</td><td>---</td><td>Peak</td></tr><tr><td>6</td><td>974.78</td><td>28.12</td><td>-25.88</td><td>54.00</td><td>27.94</td><td>29.59</td><td>4.34</td><td>34.13</td><td>---</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	dB	cm	deg		1	89.17	22.84	-21.46	43.50	42.07	14.04	1.11	35.18	---	Peak	2	159.11	33.36	-20.14	43.50	39.65	17.09	1.73	35.18	---	Peak	3	317.12	25.19	-20.81	46.00	37.51	20.15	2.43	34.90	---	Peak	4	495.60	22.13	-23.28	46.00	38.67	23.75	2.09	34.70	---	Peak	5	674.08	25.25	-20.75	46.00	29.52	26.58	3.65	34.58	---	Peak	6	974.78	28.12	-25.88	54.00	27.94	29.59	4.34	34.13	---	Peak	Date: 2 Level (dBuV/m) Date: 2023-04-01 Site : 03CH02-SZ Condition : FCC CLASS-B 3m VULB9168-01001 VERTICAL Project : 2N2209-01 Mode : Mode 9 IMEI : 60823M033087000K Plane : X with Accessories Plane : 7/0/1 <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</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>36.79</td><td>26.86</td><td>-13.14</td><td>40.00</td><td>41.07</td><td>19.38</td><td>0.61</td><td>35.00</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>186.84</td><td>27.36</td><td>-15.14</td><td>43.50</td><td>44.89</td><td>16.51</td><td>1.86</td><td>35.18</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>332.64</td><td>23.84</td><td>-22.16</td><td>46.00</td><td>35.64</td><td>20.63</td><td>2.47</td><td>34.90</td><td>---</td><td>Peak</td></tr><tr><td>4</td><td>512.89</td><td>24.85</td><td>-21.95</td><td>46.00</td><td>31.56</td><td>24.18</td><td>3.07</td><td>34.68</td><td>---</td><td>Peak</td></tr><tr><td>5</td><td>842.86</td><td>28.46</td><td>-17.54</td><td>46.00</td><td>30.15</td><td>28.57</td><td>4.04</td><td>34.38</td><td>---</td><td>Peak</td></tr><tr><td>6</td><td>988.36</td><td>25.85</td><td>-24.15</td><td>54.00</td><td>29.49</td><td>30.13</td><td>4.10</td><td>34.12</td><td>---</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	dB	cm	deg		1	36.79	26.86	-13.14	40.00	41.07	19.38	0.61	35.00	---	Peak	2	186.84	27.36	-15.14	43.50	44.89	16.51	1.86	35.18	---	Peak	3	332.64	23.84	-22.16	46.00	35.64	20.63	2.47	34.90	---	Peak	4	512.89	24.85	-21.95	46.00	31.56	24.18	3.07	34.68	---	Peak	5	842.86	28.46	-17.54	46.00	30.15	28.57	4.04	34.38	---	Peak	6	988.36	25.85	-24.15	54.00	29.49	30.13	4.10	34.12	---	Peak
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Appendix E. Duty Cycle Plots

DH5 on time (One Pulse) Plot on Channel 39



DH5 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.