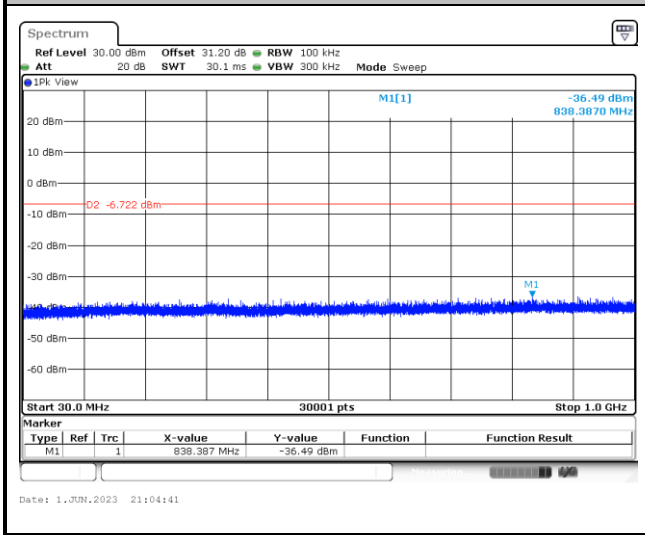
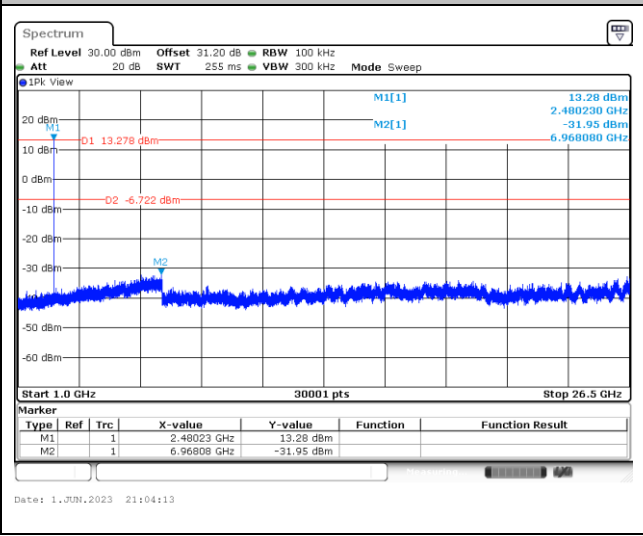




CSE Plot on Ch 78 between 30MHz ~ 1 GHz



CSE Plot on Ch 78 between 1 GHz ~ 26.5 GHz





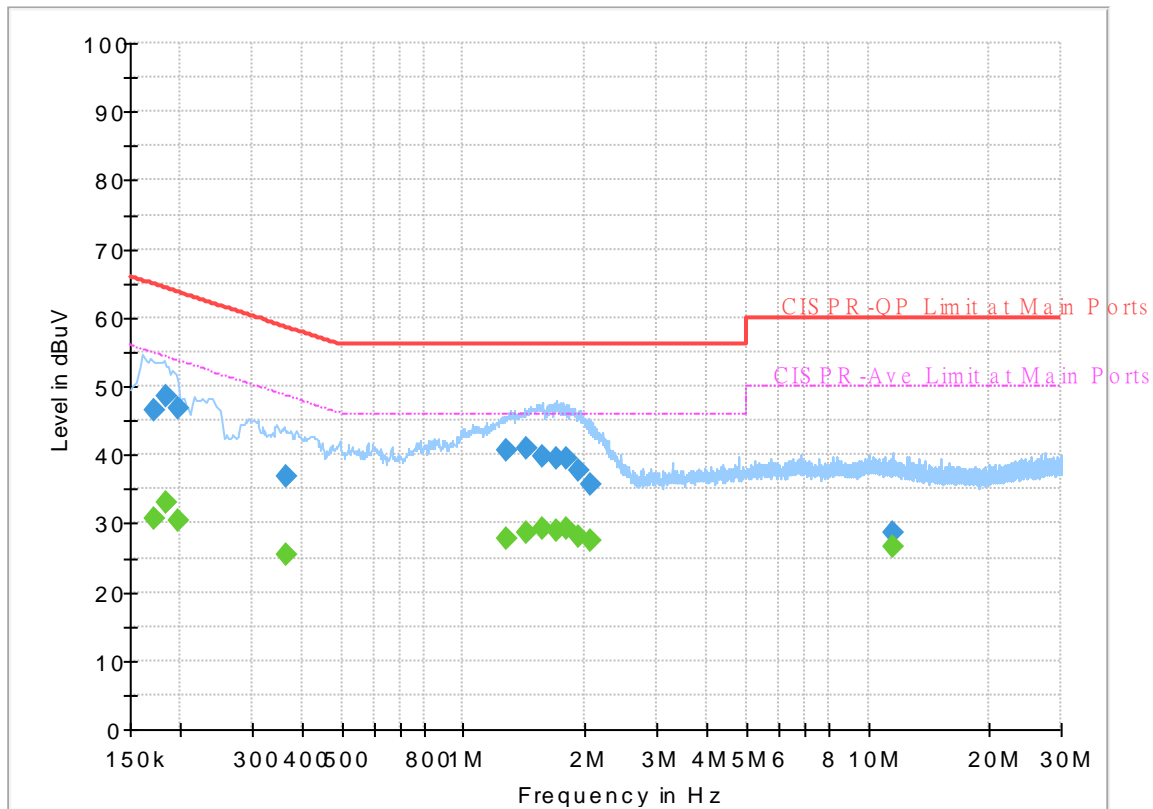
## Appendix B. AC Conducted Emission Test Results

Test Engineer :	Calvin Wang	Temperature :	23~26°C
		Relative Humidity :	45~55%

# EUT Information

Report NO : 2D0206-03  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



# Final\_Result

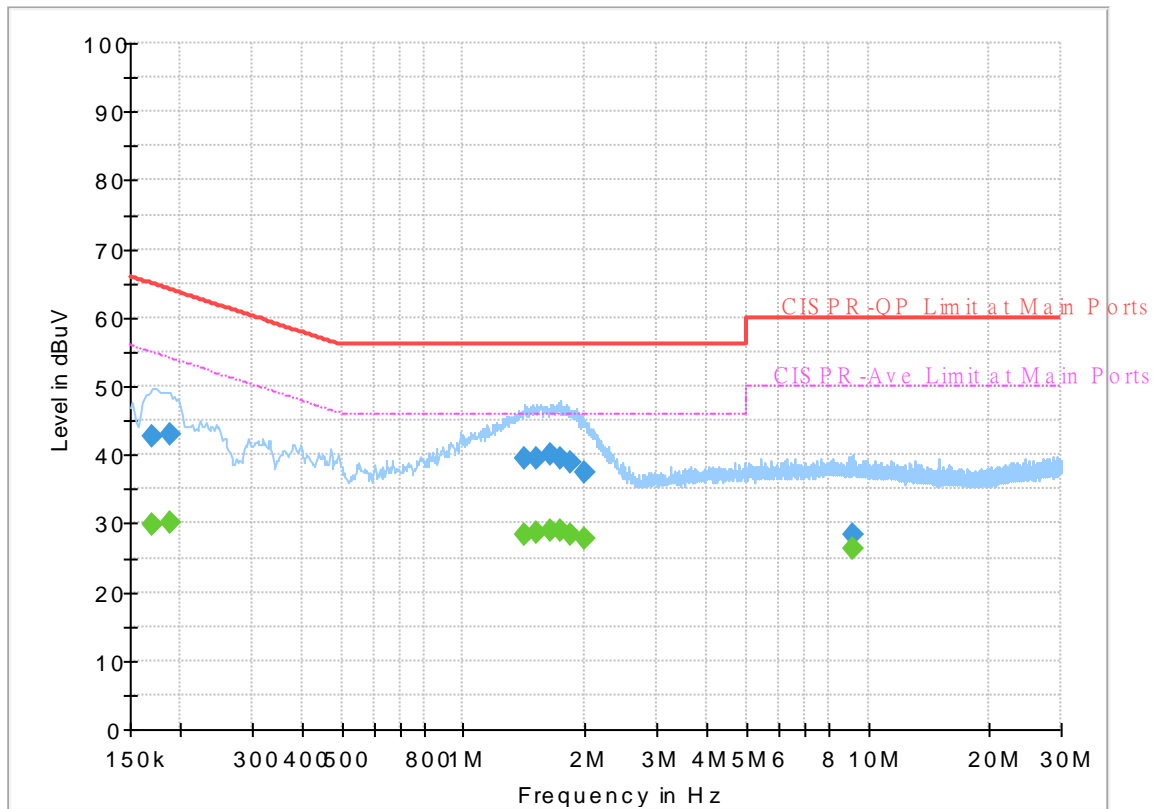
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.172500	---	30.58	54.84	24.26	L1	OFF	19.9
0.172500	46.44	---	64.84	18.40	L1	OFF	19.9
0.183750	---	33.08	54.31	21.23	L1	OFF	19.9
0.183750	48.42	---	64.31	15.89	L1	OFF	19.9
0.197250	---	30.37	53.73	23.36	L1	OFF	19.9
0.197250	46.82	---	63.73	16.91	L1	OFF	19.9
0.366000	---	25.56	48.59	23.03	L1	OFF	19.9
0.366000	36.70	---	58.59	21.89	L1	OFF	19.9
1.277250	---	27.76	46.00	18.24	L1	OFF	19.9
1.277250	40.53	---	56.00	15.47	L1	OFF	19.9
1.437000	---	28.70	46.00	17.30	L1	OFF	19.9
1.437000	41.06	---	56.00	14.94	L1	OFF	19.9
1.569750	---	29.25	46.00	16.75	L1	OFF	19.9
1.569750	39.71	---	56.00	16.29	L1	OFF	19.9
1.698000	---	29.04	46.00	16.96	L1	OFF	19.9
1.698000	39.51	---	56.00	16.49	L1	OFF	19.9
1.799250	---	29.13	46.00	16.87	L1	OFF	19.9
1.799250	39.40	---	56.00	16.60	L1	OFF	19.9
1.936500	---	27.99	46.00	18.01	L1	OFF	19.9
1.936500	37.83	---	56.00	18.17	L1	OFF	19.9
2.069250	---	27.40	46.00	18.60	L1	OFF	19.9

<b>2.069250</b>	<b>35.63</b>	<b>---</b>	<b>56.00</b>	<b>20.37</b>	<b>L1</b>	<b>OFF</b>	<b>19.9</b>
<b>11.562000</b>	<b>---</b>	<b>26.50</b>	<b>50.00</b>	<b>23.50</b>	<b>L1</b>	<b>OFF</b>	<b>20.3</b>
<b>11.562000</b>	<b>28.74</b>	<b>---</b>	<b>60.00</b>	<b>31.26</b>	<b>L1</b>	<b>OFF</b>	<b>20.3</b>

## EUT Information

Report NO : 2D0206-03  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Neutral

Full Spectrum



## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.170250	---	29.86	54.95	25.09	N	OFF	19.9
0.170250	42.63	---	64.95	22.32	N	OFF	19.9
0.188250	---	30.16	54.11	23.95	N	OFF	19.9
0.188250	43.03	---	64.11	21.08	N	OFF	19.9
1.416750	---	28.47	46.00	17.53	N	OFF	19.9
1.416750	39.57	---	56.00	16.43	N	OFF	19.9
1.520250	---	28.70	46.00	17.30	N	OFF	19.9
1.520250	39.49	---	56.00	16.51	N	OFF	19.9
1.637250	---	28.97	46.00	17.03	N	OFF	19.9
1.637250	39.94	---	56.00	16.06	N	OFF	19.9
1.736250	---	28.86	46.00	17.14	N	OFF	19.9
1.736250	39.50	---	56.00	16.50	N	OFF	19.9
1.844250	---	28.32	46.00	17.68	N	OFF	19.9
1.844250	39.00	---	56.00	17.00	N	OFF	19.9
1.988250	---	27.84	46.00	18.16	N	OFF	19.9
1.988250	37.43	---	56.00	18.57	N	OFF	19.9
9.183750	---	26.31	50.00	23.69	N	OFF	20.2
9.183750	28.28	---	60.00	31.72	N	OFF	20.2



### Appendix C. Radiated Spurious Emission

Test Engineer :	Bigshow Wang , Quentin Liu and Eric Xiao	Temperature :	21 ~ 26°C
		Relative Humidity :	45 ~ 60%

<BR+EDR Ant. 3>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp 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 CH00 2402MHz		2375.31	50.79	-23.21	74	44.35	27.2	16.01	36.77	104	203	P	H	
		2375.31	26	-28	54	-	-	-	-	-	-	A	H	
	*	2402	108.66	-	-	101.97	27.41	16.05	36.77	104	203	P	H	
	*	2402	83.87	-	-	-	-	-	-	-	-	A	H	
													H	
			2346.015	50.35	-23.65	74	44.18	27	15.95	36.78	331	300	P	V
			2346.015	25.56	-28.44	54	-	-	-	-	-	-	A	V
	*		2402	106.44	-	-	99.75	27.41	16.05	36.77	331	300	P	V
	*		2402	81.65	-	-	-	-	-	-	-	-	A	V
														V
BT CH 39 2441MHz		2360.68	50.7	-23.3	74	44.41	27.09	15.98	36.78	127	213	P	H	
		2360.68	25.91	-28.09	54	-	-	-	-	-	-	A	H	
	*	2441	110.01	-	-	103.02	27.65	16.11	36.77	127	213	P	H	
	*	2441	85.22	-	-	-	-	-	-	-	-	A	H	
			2494.82	51.44	-22.56	74	44.13	27.88	16.2	36.77	127	213	P	H
			2494.82	26.65	-27.35	54	-	-	-	-	-	-	A	H
			2379.44	51.17	-22.83	74	44.69	27.24	16.01	36.77	366	292	P	V
			2379.44	26.38	-27.62	54	-	-	-	-	-	-	A	V
	*		2441	109.69	-	-	102.7	27.65	16.11	36.77	366	292	P	V
	*		2441	84.9	-	-	-	-	-	-	-	-	A	V
			2491.39	52.59	-21.41	74	45.3	27.87	16.19	36.77	366	292	P	V
			2491.39	27.8	-26.2	54	-	-	-	-	-	-	A	V



BT	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
BT CH 78 2480MHz	*	2480	110.8	-	-	103.58	27.82	16.17	36.77	108	210	P	H	
	*	2480	86.01	-	-	-	-	-	-	-	-	A	H	
		2486.64	52.45	-21.55	74	45.19	27.85	16.18	36.77	108	210	P	H	
		2486.64	27.66	-26.34	54	-	-	-	-	-	-	A	H	
													H	
													H	
	*	2480	109.72	-	-	102.5	27.82	16.17	36.77	349	290	P	V	
	*	2480	84.93	-	-	-	-	-	-	-	-	-	A	V
		2486.84	51.82	-22.18	74	44.56	27.85	16.18	36.77	349	290	P	V	
		2486.84	27.03	-26.97	54	-	-	-	-	-	-	A	V	
													V	
													V	
<b>Remark</b>	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 ( MHz )	Level ( dBµV/m )	Margin ( dB )	Limit Line ( dBµV/m )	Read Level ( dBµV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
BT CH 00 2402MHz		4804	45.77	-28.23	74	54.39	32.32	9.42	50.36	-	-	P	H	
		4804	20.98	-33.02	54	-	-	-	-	-	-	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			4804	47.13	-26.87	74	55.75	32.32	9.42	50.36	-	-	P	V
			4804	22.34	-31.66	54	-	-	-	-			A	V
														V
														V
														V
														V
														V
													V	
													V	
													V	









Emission after 18GHz

2.4GHz BT (SHF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
2.4GHz BT SHF		24776	42.37	-31.63	74	59.21	38.94	-2.55	53.23	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			24842	42.34	-31.66	74	59.05	39.05	-2.57	53.19	-	-	P
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Emission below 1GHz

2.4GHz BT (LF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
2.4GHz BT LF		30.54	22.69	-17.31	40	30.14	24.29	0.65	32.39	-	-	P	H	
		86.88	24.18	-15.82	40	41.11	14.33	1.15	32.41	-	-	P	H	
		183.72	22.97	-20.53	43.5	38.66	14.93	1.78	32.4	-	-	P	H	
		718.4	38.41	-7.59	46	40.67	26.79	3.23	32.28	-	-	P	H	
		733.6	38.12	-7.88	46	39.6	27.49	3.28	32.25	-	-	P	H	
		901.6	37.66	-8.34	46	36.63	28.79	3.69	31.45	-	-	P	H	
														H
														H
														H
														H
														H
														H
			31.62	32.13	-7.87	40	40.06	23.79	0.68	32.4	-	-	P	V
			50.16	33.14	-6.86	40	50.34	14.36	0.9	32.46	-	-	P	V
			66.36	30.77	-9.23	40	50.14	12.05	1	32.42	-	-	P	V
			74.1	29.48	-10.52	40	48.1	12.72	1.07	32.41	-	-	P	V
			736	37.87	-8.13	46	39.21	27.63	3.28	32.25	-	-	P	V
			899.2	38.28	-7.72	46	37.27	28.79	3.69	31.47	-	-	P	V
														V
														V
													V	
													V	
													V	

**Remark**

- No other spurious found.
- All results are PASS against limit line.
- The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.



<BR+EDR Ant. 4>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp 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 CH00 2402MHz		2315.46	50.27	-23.73	74	44.15	27	15.9	36.78	246	212	P	H	
		2315.46	25.48	-28.52	54	-	-	-	-	-	-	A	H	
	*	2402	111.88	-	-	105.19	27.41	16.05	36.77	246	212	P	H	
	*	2402	87.09	-	-	-	-	-	-	-	-	A	H	
													H	
													H	
			2359.98	50.31	-23.69	74	44.03	27.08	15.98	36.78	200	283	P	V
			2359.98	25.52	-28.48	54	-	-	-	-	-	-	A	V
	*		2402	112.16	-	-	105.47	27.41	16.05	36.77	200	283	P	V
	*		2402	87.37	-	-	-	-	-	-	-	-	A	V
													V	
													V	
BT CH 39 2441MHz		2378.04	50.77	-23.23	74	44.31	27.22	16.01	36.77	259	217	P	H	
		2378.04	25.98	-28.02	54	-	-	-	-	-	-	A	H	
	*	2441	113.57	-	-	106.58	27.65	16.11	36.77	259	217	P	H	
	*	2441	88.78	-	-	-	-	-	-	-	-	A	H	
			2493.28	52.54	-21.46	74	45.25	27.87	16.19	36.77	259	217	P	H
			2493.28	27.75	-26.25	54	-	-	-	-	-	-	A	H
			2338.7	50.8	-23.2	74	44.64	27	15.94	36.78	216	283	P	V
			2338.7	26.01	-27.99	54	-	-	-	-	-	-	A	V
	*		2441	113.49	-	-	106.5	27.65	16.11	36.77	216	283	P	V
	*		2441	88.7	-	-	-	-	-	-	-	-	A	V
			2485.23	51.55	-22.45	74	44.3	27.84	16.18	36.77	216	283	P	V
			2485.23	26.76	-27.24	54	-	-	-	-	-	-	A	V



BT	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
BT CH 78 2480MHz	*	2480	114.2	-	-	106.98	27.82	16.17	36.77	257	216	P	H	
	*	2480	89.41	-	-	-	-	-	-	-	-	A	H	
		2484	53.02	-20.98	74	45.77	27.84	16.18	36.77	257	216	P	H	
		2484	28.23	-25.77	54	-	-	-	-	-	-	A	H	
													H	
													H	
	*	2480	114.08	-	-	106.86	27.82	16.17	36.77	166	284	P	V	
	*	2480	89.29	-	-	-	-	-	-	-	-	-	A	V
		2483.72	52.31	-21.69	74	45.07	27.83	16.18	36.77	166	284	P	V	
		2483.72	27.52	-26.48	54	-	-	-	-	-	-	A	V	
													V	
													V	
<b>Remark</b>	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 ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
BT CH 00 2402MHz		4804	46.46	-27.54	74	55.08	32.32	9.42	50.36	-	-	P	H	
		4804	21.67	-32.33	54	-	-	-	-	-	-	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			4804	46.32	-27.68	74	54.94	32.32	9.42	50.36	-	-	P	V
			4804	21.53	-32.47	54	-	-	-	-	-	-	A	V
														V
														V
														V
														V
														V
														V
													V	
													V	









Emission after 18GHz

2.4GHz BT (SHF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
2.4GHz BT SHF		24996	43.8	-30.2	74	60.21	39.29	-2.6	53.1	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			24908	41.9	-32.1	74	58.49	39.15	-2.58	53.16	-	-	P
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Emission below 1GHz

2.4GHz BT (LF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
2.4GHz BT LF		49.62	21.84	-18.16	40	38.84	14.57	0.89	32.46	-	-	P	H	
		74.28	22.43	-17.57	40	41.02	12.75	1.07	32.41	-	-	P	H	
		87.96	24.28	-15.72	40	41.05	14.48	1.16	32.41	-	-	P	H	
		177.6	24.3	-19.2	43.5	39.72	15.22	1.76	32.4	-	-	P	H	
		760.8	30.16	-15.84	46	30.86	28.14	3.35	32.19	-	-	P	H	
		899.2	37.52	-8.48	46	36.51	28.79	3.69	31.47	-	-	P	H	
														H
														H
														H
														H
														H
														H
			30.54	32.63	-7.37	40	40.08	24.29	0.65	32.39	-	-	P	V
			50.16	33.67	-6.33	40	50.87	14.36	0.9	32.46	-	-	P	V
			74.1	29.96	-10.04	40	48.58	12.72	1.07	32.41	-	-	P	V
			111.36	25.76	-17.74	43.5	39.8	17.12	1.28	32.44	-	-	P	V
			747.2	31.71	-14.29	46	32.73	27.9	3.31	32.23	-	-	P	V
			896.8	35.64	-10.36	46	34.67	28.77	3.68	31.48	-	-	P	V
													V	
													V	
													V	
													V	
													V	

**Remark**

- No other spurious found.
- All results are PASS against limit line.
- The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.



<TXBF BR+EDR Ant. 3+4>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
BT CH00 2402MHz		2389.59	50.09	-23.91	74	43.51	27.32	16.03	36.77	332	264	P	H	
		2389.59	25.33	-28.67	54	-	-	-	-	-	-	A	H	
	*	2402	113.84	-	-	107.15	27.41	16.05	36.77	332	264	P	H	
	*	2402	89.08	-	-	-	-	-	-	-	-	A	H	
													H	
														H
			2374.995	49.76	-24.24	74	43.34	27.2	16	36.78	378	309	P	V
			2374.995	25	-29	54	-	-	-	-	-	-	A	V
	*		2402	112.87	-	-	106.18	27.41	16.05	36.77	378	309	P	V
	*		2402	88.11	-	-	-	-	-	-	-	-	A	V
													V	
													V	
BT CH 39 2441MHz		2342.48	51.14	-22.86	74	44.97	27	15.95	36.78	323	287	P	H	
		2342.48	26.38	-27.62	54	-	-	-	-	-	-	A	H	
	*	2441	113.24	-	-	106.25	27.65	16.11	36.77	323	287	P	H	
	*	2441	88.48	-	-	-	-	-	-	-	-	A	H	
			2487.54	51.73	-22.27	74	44.46	27.85	16.19	36.77	323	287	P	H
			2487.54	26.97	-27.03	54	-	-	-	-	-	-	A	H
			2337.58	51	-23	74	44.84	27	15.94	36.78	358	260	P	V
			2337.58	26.24	-27.76	54	-	-	-	-	-	-	A	V
	*		2441	114.31	-	-	107.32	27.65	16.11	36.77	358	260	P	V
	*		2441	89.55	-	-	-	-	-	-	-	-	A	V
			2489.85	51.16	-22.84	74	43.88	27.86	16.19	36.77	358	260	P	V
			2489.85	26.4	-27.6	54	-	-	-	-	-	-	A	V



BT	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
BT CH 78 2480MHz	*	2480	117.28	-	-	110.06	27.82	16.17	36.77	349	269	P	H	
	*	2480	92.52	-	-	-	-	-	-	-	-	A	H	
		2483.6	54.37	-19.63	74	47.13	27.83	16.18	36.77	349	269	P	H	
		2483.6	29.61	-24.39	54	-	-	-	-	-	-	A	H	
													H	
														H
	*	2480	113.65	-	-	106.43	27.82	16.17	36.77	361	249	P	V	
	*	2480	88.89	-	-	-	-	-	-	-	-	-	A	V
		2483.56	52.25	-21.75	74	45.01	27.83	16.18	36.77	361	249	P	V	
		2483.56	27.49	-26.51	54	-	-	-	-	-	-	A	V	
														V
														V
	<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												











Emission after 18GHz

2.4GHz BT (SHF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
2.4GHz BT SHF		24996	41.9	-32.1	74	58.31	39.29	-2.6	53.1	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			24622	41.33	-32.67	74	58.54	38.64	-2.52	53.33	-	-	P
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Emission below 1GHz

2.4GHz BT (LF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
2.4GHz BT LF		74.28	23.04	-16.96	40	41.63	12.75	1.07	32.41	-	-	P	H	
		86.88	24.05	-15.95	40	40.98	14.33	1.15	32.41	-	-	P	H	
		123.78	25.81	-17.69	43.5	39.38	17.55	1.33	32.45	-	-	P	H	
		168.06	21.42	-22.08	43.5	36.28	15.89	1.65	32.4	-	-	P	H	
		329.6	23.12	-22.88	46	33.54	19.77	2.17	32.36	-	-	P	H	
		896.8	36.94	-9.06	46	35.97	28.77	3.68	31.48	-	-	P	H	
														H
														H
														H
														H
														H
														H
			30	32.69	-7.31	40	40.03	24.41	0.64	32.39	-	-	P	V
			49.8	33.39	-6.61	40	50.45	14.5	0.9	32.46	-	-	P	V
			71.58	31.8	-8.2	40	50.73	12.45	1.04	32.42	-	-	P	V
			91.02	25.59	-17.91	43.5	41.9	14.92	1.18	32.41	-	-	P	V
			747.2	33.5	-12.5	46	34.52	27.9	3.31	32.23	-	-	P	V
			992.8	33.61	-20.39	54	29.87	30.46	3.96	30.68	-	-	P	V
														V
														V
													V	
													V	
													V	
													V	

**Remark**

- No other spurious found.
- All results are PASS against limit line.
- The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.



<HR 2Mbps Ant. 3>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp 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 CH00 2402MHz		2373.105	50.12	-23.88	74	43.72	27.18	16	36.78	109	214	P	H	
		2373.105	25.45	-28.55	54	-	-	-	-	-	-	A	H	
	*	2402	109.81	-	-	103.12	27.41	16.05	36.77	109	214	P	H	
	*	2402	85.14	-	-	-	-	-	-	-	-	A	H	
													H	
													H	
			2328.27	51.11	-22.89	74	44.97	27	15.92	36.78	400	324	P	V
			2328.27	26.44	-27.56	54	-	-	-	-	-	-	A	V
	*		2402	107.55	-	-	100.86	27.41	16.05	36.77	400	324	P	V
	*		2402	82.88	-	-	-	-	-	-	-	-	A	V
													V	
													V	
BT CH 39 2441MHz		2310	50.93	-23.07	74	44.82	27	15.89	36.78	151	211	P	H	
		2310	26.26	-27.74	54	-	-	-	-	-	-	A	H	
	*	2441	111.82	-	-	104.83	27.65	16.11	36.77	151	211	P	H	
	*	2441	87.15	-	-	-	-	-	-	-	-	A	H	
			2490.27	51.4	-22.6	74	44.12	27.86	16.19	36.77	151	211	P	H
			2490.27	26.73	-27.27	54	-	-	-	-	-	-	A	H
			2378.32	50.44	-23.56	74	43.97	27.23	16.01	36.77	400	321	P	V
			2378.32	25.77	-28.23	54	-	-	-	-	-	-	A	V
	*		2441	109.42	-	-	102.43	27.65	16.11	36.77	400	321	P	V
	*		2441	84.75	-	-	-	-	-	-	-	-	A	V
		2499.79	51.58	-22.42	74	44.25	27.9	16.2	36.77	400	321	P	V	
		2499.79	26.91	-27.09	54	-	-	-	-	-	-	A	V	



BT	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
BT CH 78 2480MHz	*	2480	111.86	-	-	104.64	27.82	16.17	36.77	137	211	P	H	
	*	2480	87.19	-	-	-	-	-	-	-	-	A	H	
		2483.56	51.77	-22.23	74	44.53	27.83	16.18	36.77	137	211	P	H	
		2483.56	27.1	-26.9	54	-	-	-	-	-	-	A	H	
													H	
													H	
	*	2480	110.76	-	-	103.54	27.82	16.17	36.77	394	311	P	V	
	*	2480	86.09	-	-	-	-	-	-	-	-	-	A	V
		2483.52	51.64	-22.36	74	44.4	27.83	16.18	36.77	394	311	P	V	
		2483.52	26.97	-27.03	54	-	-	-	-	-	-	A	V	
													V	
													V	
	<b>Remark</b>	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 ( MHz )	Level ( dBµV/m )	Margin ( dB )	Limit Line ( dBµV/m )	Read Level ( dBµV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
BT CH 00 2402MHz		4804	45.37	-28.63	74	53.99	32.32	9.42	50.36	-	-	P	H	
		4804	20.7	-33.3	54	-	-	-	-	-	-	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			4804	46.22	-27.78	74	54.84	32.32	9.42	50.36	-	-	P	V
			4804	21.55	-32.45	54	-	-	-	-	-	-	A	V
														V
														V
														V
														V
														V
														V
													V	
													V	







Emission after 18GHz

2.4GHz BT (SHF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
2.4GHz BT SHF		24908	42.88	-31.12	74	59.47	39.15	-2.58	53.16	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			24886	41.77	-32.23	74	58.39	39.12	-2.57	53.17	-	-	P
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												





Emission below 1GHz

2.4GHz BT (LF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
2.4GHz BT LF		50.88	21.16	-18.84	40	38.67	14.05	0.9	32.46	-	-	P	H	
		74.46	21.03	-18.97	40	39.58	12.78	1.08	32.41	-	-	P	H	
		88.32	23.85	-19.65	43.5	40.59	14.5	1.17	32.41	-	-	P	H	
		177.78	20.19	-23.31	43.5	35.62	15.21	1.76	32.4	-	-	P	H	
		727.2	35.93	-10.07	46	37.77	27.17	3.26	32.27	-	-	P	H	
		896	36.64	-9.36	46	35.68	28.77	3.68	31.49	-	-	P	H	
														H
														H
														H
														H
														H
														H
			30.72	32.87	-7.13	40	40.36	24.24	0.66	32.39	-	-	P	V
			50.7	33.94	-6.06	40	51.37	14.13	0.9	32.46	-	-	P	V
			74.28	31.96	-8.04	40	50.55	12.75	1.07	32.41	-	-	P	V
			91.02	25.91	-17.59	43.5	42.22	14.92	1.18	32.41	-	-	P	V
			744.8	30	-16	46	31.1	27.82	3.31	32.23	-	-	P	V
			904	35.3	-10.7	46	34.24	28.78	3.7	31.42	-	-	P	V
														V
														V
													V	
													V	
													V	
													V	

**Remark**

- No other spurious found.
- All results are PASS against limit line.
- The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.



<HR 2Mbps Ant. 4>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp 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 CH00 2402MHz		2311.05	50.24	-23.76	74	44.13	27	15.89	36.78	150	325	P	H	
		2311.05	25.57	-28.43	54	-	-	-	-	-	-	A	H	
	*	2402	112.87	-	-	106.18	27.41	16.05	36.77	150	325	P	H	
	*	2402	88.2	-	-	-	-	-	-	-	-	A	H	
													H	
													H	
			2311.155	50.11	-23.89	74	44	27	15.89	36.78	379	241	P	V
			2311.155	25.44	-28.56	54	-	-	-	-	-	-	A	V
	*		2402	111.89	-	-	105.2	27.41	16.05	36.77	379	241	P	V
	*		2402	87.22	-	-	-	-	-	-	-	-	A	V
													V	
													V	
BT CH 39 2441MHz		2310.7	50.96	-23.04	74	44.85	27	15.89	36.78	148	54	P	H	
		2310.7	26.29	-27.71	54	-	-	-	-	-	-	A	H	
	*	2441	113.88	-	-	106.89	27.65	16.11	36.77	148	54	P	H	
	*	2441	89.21	-	-	-	-	-	-	-	-	A	H	
			2492.3	51.43	-22.57	74	44.14	27.87	16.19	36.77	148	54	P	H
			2492.3	26.76	-27.24	54	-	-	-	-	-	-	A	H
			2379.86	50.64	-23.36	74	44.16	27.24	16.01	36.77	400	243	P	V
			2379.86	25.97	-28.03	54	-	-	-	-	-	-	A	V
	*		2441	113.27	-	-	106.28	27.65	16.11	36.77	400	243	P	V
	*		2441	88.6	-	-	-	-	-	-	-	-	A	V
			2484.53	51.13	-22.87	74	43.88	27.84	16.18	36.77	400	243	P	V
			2484.53	26.46	-27.54	54	-	-	-	-	-	-	A	V



BT	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
BT CH 78 2480MHz	*	2480	112.26	-	-	105.04	27.82	16.17	36.77	351	322	P	H	
	*	2480	87.59	-	-	-	-	-	-	-	-	A	H	
		2499.44	51.98	-22.02	74	44.65	27.9	16.2	36.77	351	322	P	H	
		2499.44	27.31	-26.69	54	-	-	-	-	-	-	A	H	
													H	
													H	
	*	2480	112.66	-	-	105.44	27.82	16.17	36.77	390	254	P	V	
	*	2480	87.99	-	-	-	-	-	-	-	-	-	A	V
		2487.52	51.87	-22.13	74	44.6	27.85	16.19	36.77	390	254	P	V	
		2487.52	27.2	-26.8	54	-	-	-	-	-	-	A	V	
													V	
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													









Emission after 18GHz

2.4GHz BT (SHF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
2.4GHz BT SHF		24886	42.03	-31.97	74	58.65	39.12	-2.57	53.17	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			24820	42.92	-31.08	74	59.68	39.01	-2.56	53.21	-	-	P
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Emission below 1GHz

2.4GHz BT (LF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
2.4GHz BT LF		30	23.53	-16.47	40	30.87	24.41	0.64	32.39	-	-	P	H	
		50.52	20.91	-19.09	40	38.26	14.21	0.9	32.46	-	-	P	H	
		74.28	26.35	-13.65	40	44.94	12.75	1.07	32.41	-	-	P	H	
		91.02	24.02	-19.48	43.5	40.33	14.92	1.18	32.41	-	-	P	H	
		718.4	36.18	-9.82	46	38.44	26.79	3.23	32.28	-	-	P	H	
		939.2	32	-14	46	29.49	29.83	3.79	31.11	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			30	33.88	-6.12	40	41.22	24.41	0.64	32.39	-	-	P	V
			51.06	33.16	-6.84	40	50.75	13.97	0.9	32.46	-	-	P	V
			64.56	31.57	-8.43	40	51.12	11.88	0.99	32.42	-	-	P	V
			91.02	26.54	-16.96	43.5	42.85	14.92	1.18	32.41	-	-	P	V
			728.8	31.03	-14.97	46	32.8	27.23	3.26	32.26	-	-	P	V
			903.2	38.6	-7.4	46	37.55	28.78	3.7	31.43	-	-	P	V
														V
													V	
													V	
													V	
													V	

**Remark**

- No other spurious found.
- All results are PASS against limit line.
- The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.





<TXBF HR 2Mbps Ant. 3+4>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp 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 CH00 2402MHz		2385.18	50.8	-23.2	74	44.27	27.28	16.02	36.77	363	216	P	H	
		2385.18	26.16	-27.84	54	-	-	-	-	-	-	A	H	
	*	2402	110.84	-	-	104.15	27.41	16.05	36.77	363	216	P	H	
	*	2402	86.2	-	-	-	-	-	-	-	-	A	H	
													H	
													H	
			2357.67	50.97	-23.03	74	44.72	27.06	15.97	36.78	144	251	P	V
			2357.67	26.33	-27.67	54	-	-	-	-	-	-	A	V
	*	2402	111.02	-	-	104.33	27.41	16.05	36.77	144	251	P	V	
	*	2402	86.38	-	-	-	-	-	-	-	-	-	A	V
													V	
													V	
BT CH 39 2441MHz		2357.88	50.5	-23.5	74	44.25	27.06	15.97	36.78	349	318	P	H	
		2357.88	25.86	-28.14	54	-	-	-	-	-	-	A	H	
	*	2441	111.84	-	-	104.85	27.65	16.11	36.77	349	318	P	H	
	*	2441	87.2	-	-	-	-	-	-	-	-	A	H	
			2497.41	51.66	-22.34	74	44.34	27.89	16.2	36.77	349	318	P	H
			2497.41	27.02	-26.98	54	-	-	-	-	-	-	A	H
			2368.52	50.71	-23.29	74	44.35	27.15	15.99	36.78	247	75	P	V
			2368.52	26.07	-27.93	54	-	-	-	-	-	-	A	V
	*	2441	111.72	-	-	104.73	27.65	16.11	36.77	247	75	P	V	
	*	2441	87.08	-	-	-	-	-	-	-	-	-	A	V
			2499.79	51.12	-22.88	74	43.79	27.9	16.2	36.77	247	75	P	V
			2499.79	26.48	-27.52	54	-	-	-	-	-	-	A	V



BT	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
BT CH 78 2480MHz	*	2480	111.44	-	-	104.22	27.82	16.17	36.77	400	216	P	H	
	*	2480	86.8	-	-	-	-	-	-	-	-	A	H	
		2491.8	52.85	-21.15	74	45.56	27.87	16.19	36.77	400	216	P	H	
		2491.8	28.21	-25.79	54	-	-	-	-	-	-	A	H	
													H	
													H	
	*	2480	113.97	-	-	106.75	27.82	16.17	36.77	150	250	P	V	
	*	2480	89.33	-	-	-	-	-	-	-	-	-	A	V
		2484.92	52.95	-21.05	74	45.7	27.84	16.18	36.77	150	250	P	V	
		2484.92	28.31	-25.69	54	-	-	-	-	-	-	A	V	
													V	
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													









Emission after 18GHz

2.4GHz BT (SHF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
2.4GHz BT SHF		24182	41.71	-32.29	74	59.17	38.74	-2.55	53.65	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			24798	41.8	-32.2	74	58.6	38.98	-2.56	53.22	-	-	P
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Emission below 1GHz

2.4GHz BT (LF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
2.4GHz BT LF		30.54	24.4	-15.6	40	31.85	24.29	0.65	32.39	-	-	P	H	
		50.52	22	-18	40	39.35	14.21	0.9	32.46	-	-	P	H	
		74.46	23.12	-16.88	40	41.67	12.78	1.08	32.41	-	-	P	H	
		86.88	24.83	-15.17	40	41.76	14.33	1.15	32.41	-	-	P	H	
		766.4	29.71	-16.29	46	30.37	28.15	3.36	32.17	-	-	P	H	
		896	36.96	-9.04	46	36	28.77	3.68	31.49	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
			30.72	32.57	-7.43	40	40.06	24.24	0.66	32.39	-	-	P	V
			50.52	33.91	-6.09	40	51.26	14.21	0.9	32.46	-	-	P	V
			66.36	32.88	-7.12	40	52.25	12.05	1	32.42	-	-	P	V
			91.02	26	-17.5	43.5	42.31	14.92	1.18	32.41	-	-	P	V
			747.2	31.48	-14.52	46	32.5	27.9	3.31	32.23	-	-	P	V
			902.4	39	-7	46	37.96	28.79	3.69	31.44	-	-	P	V
														V
														V
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.													



**Note symbol**

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





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

BT	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
	( 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

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. Over Limit(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)

**Peak measured complies with the limit line, so test result is “PASS”.**



## Appendix D. Radiated Spurious Emission Plots

<b>Test Engineer :</b>	Bigshow Wang , Quentin Liu and Eric Xiao	<b>Temperature :</b>	21 ~ 26°C
		<b>Relative Humidity :</b>	45 ~ 60%



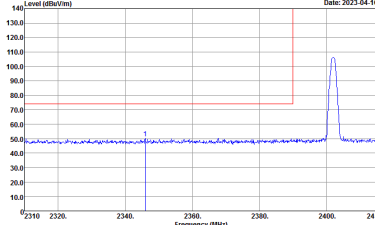
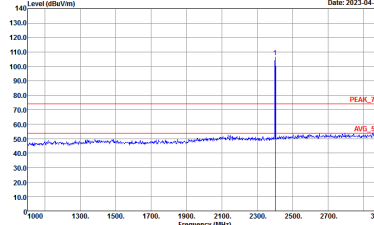
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2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Horizontal	Fundamental
Peak	<p>Site : 03CH15-1FY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-1FY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH00 2402MHz		
	Vertical	Fundamental
Peak	 <p data-bbox="430 667 710 705">Site : 03CH15-14Y Condition : PEAK_8E_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p data-bbox="901 667 1181 705">Site : 03CH15-14Y Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH39 2441MHz		
	Horizontal	Fundamental
Peak	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH39 2441MHz		
	Vertical	Fundamental
Peak	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH78 2480MHz		
Horizontal		Fundamental
Peak	<p>Date: 2023-04-16</p> <p>Site : 03CH15-14Y Condition : PEAK_B8_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-04-16</p> <p>Site : 03CH15-14Y Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH78 2480MHz		
Vertical		Fundamental
Peak	<p>Date: 2023-04-16</p> <p>Site : 03CH15-14Y Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-04-16</p> <p>Site : 03CH15-14Y Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>

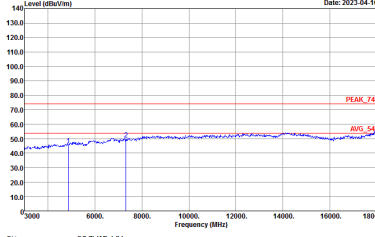
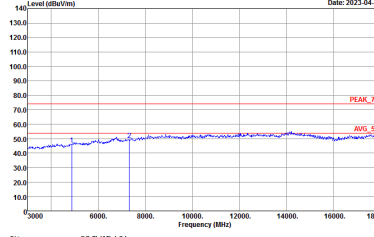




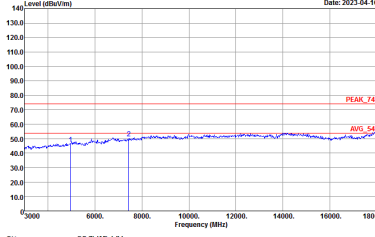
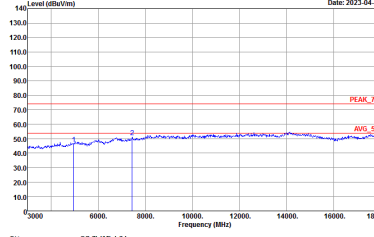
2.4GHz 2400~2483.5MHz  
BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH00 2402MHz	
	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-14Y Condition : PEAK_74 3m 9120D_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-14Y Condition : PEAK_74 3m 9120D_02294_220623 VERTICAL</p>



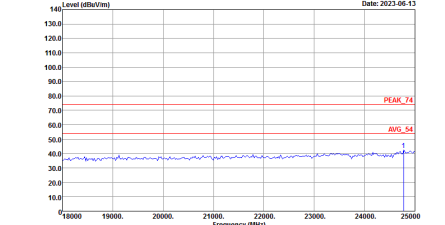
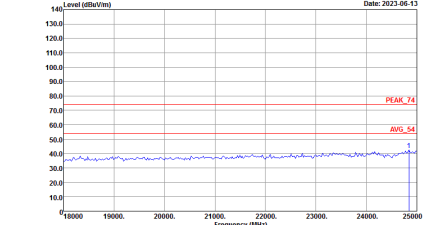
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH39 2441MHz	
	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH39-14Y Condition : PEAK_74 3m 9120D_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH39-14Y Condition : PEAK_74 3m 9120D_02294_220623 VERTICAL</p>



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH15-14Y Condition : PEAK_74 3m 9120D_02294_220623 HORIZONTAL :</p>	 <p>Site : 03CH15-14Y Condition : PEAK_74 3m 9120D_02294_220623 VERTICAL :</p>

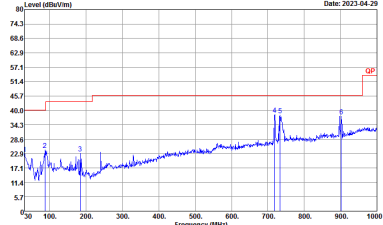
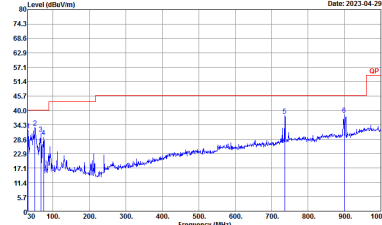


Emission after 18GHz  
2.4GHz BT (SHF)

BT	2.4GHz 2400~2483.5MHz	
	BT SHF	
	Horizontal	Vertical
QP / Peak	 <p>Site : 03CHI5-HV Condition : PEAK_74 1m SHF_00991_220514 HORIZONTAL</p>	 <p>Site : 03CHI5-HV Condition : PEAK_74 1m SHF_00991_220514 VERTICAL</p>



Emission below 1GHz  
2.4GHz BT (LF)

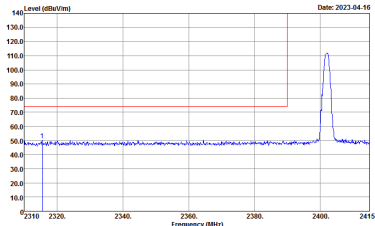
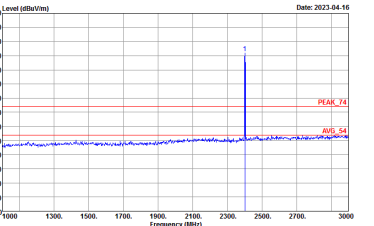
BT	2.4GHz 2400~2483.5MHz	
BT LF		
Horizontal		Vertical
QP / Peak	 <p>Site : 03CH15-HV Condition : QP-3m 1581LOG_230318_210 HORIZONTAL</p>	 <p>Site : 03CH15-HV Condition : QP-3m 1581LOG_230318_210 VERTICAL</p>



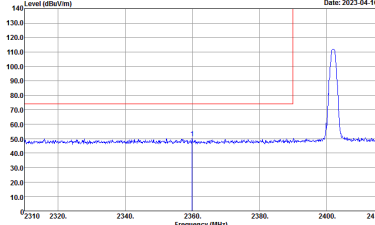
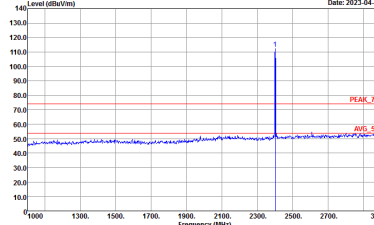
<BR+EDR Ant. 4>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-1HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-1HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH00 2402MHz		
	Vertical	Fundamental
Peak	 <p data-bbox="430 672 710 705">Site : 03CH15-14Y Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p data-bbox="901 672 1181 705">Site : 03CH15-14Y Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



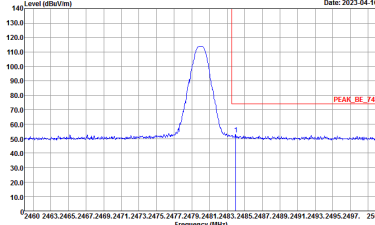
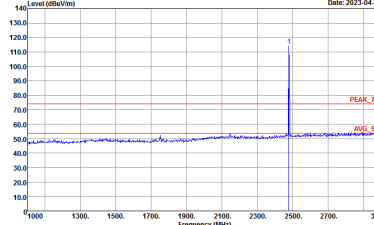
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH39 2441MHz		
	Horizontal	Fundamental
Peak	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



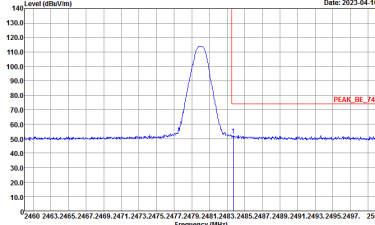
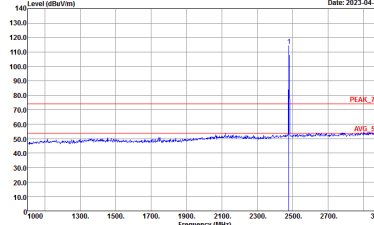


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH39 2441MHz		
	Vertical	Fundamental
Peak	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH78 2480MHz		
	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-14Y Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-14Y Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



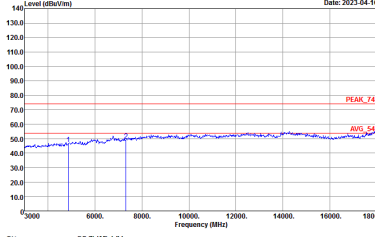
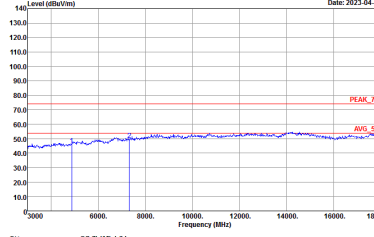
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH78 2480MHz		
	Vertical	Fundamental
Peak	 <p>Site : 03CH8-14Y Condition : PEAK_B8_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH8-14Y Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



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

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH00 2402MHz	
	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-14Y Condition : PEAK_74 3m 9120D_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-14Y Condition : PEAK_74 3m 9120D_02294_220623 VERTICAL</p>



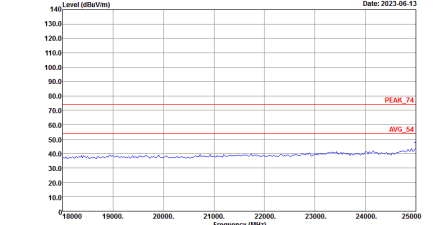
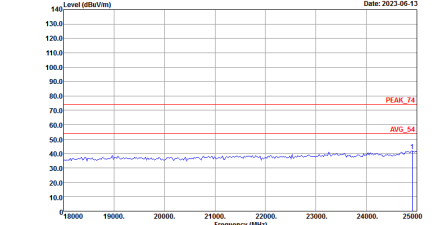
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH39 2441MHz	
	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH39-14Y Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL :</p>	 <p>Site : 03CH39-14Y Condition : PEAK_74 3m 91200_02294_220623 VERTICAL :</p>



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-14Y Condition : PEAK_74 3m 9120D_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-14Y Condition : PEAK_74 3m 9120D_02294_220623 VERTICAL</p>

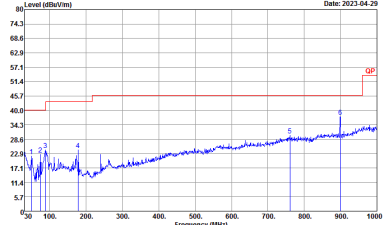
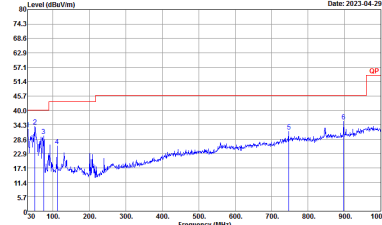


Emission after 18GHz  
2.4GHz BT (SHF)

BT	2.4GHz 2400~2483.5MHz	
	BT SHF	
	Horizontal	Vertical
QP / Peak	 <p>Site : 03CHI5-HY Condition : PEAK_74 1m SHF_00991_220514 HORIZONTAL</p>	 <p>Site : 03CHI5-HY Condition : PEAK_74 1m SHF_00991_220514 VERTICAL</p>



Emission below 1GHz  
2.4GHz BT (LF)

BT	2.4GHz 2400~2483.5MHz	
BT LF		
Horizontal		Vertical
QP / Peak	 <p data-bbox="430 779 686 817">Site : 03CH15-HV Condition : QP-3m 1581LOG_230318_210 HORIZONTAL</p>	 <p data-bbox="901 779 1157 817">Site : 03CH15-HV Condition : QP-3m 1581LOG_230318_210 VERTICAL</p>

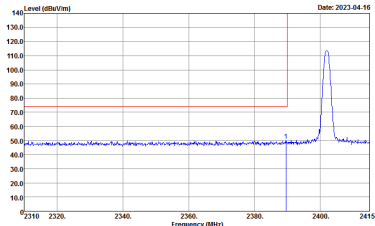
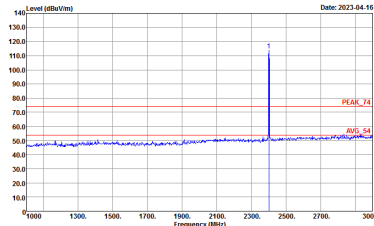




<TXBF BR+EDR Ant. 3+4>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
3+4	Horizontal	Fundamental
Peak	 <p>Date: 2023-04-16</p> <p>Site : 03CH15-1FY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2023-04-16</p> <p>Site : 03CH15-1FY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



<b>BT</b>	<b>2.4GHz 2400~2483.5MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>BT CH00 2402MHz</b>	
<b>3+4</b>	<b>Vertical</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH15-14Y Condition : PEAK_8E_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-14Y Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>

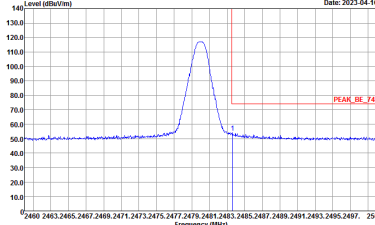
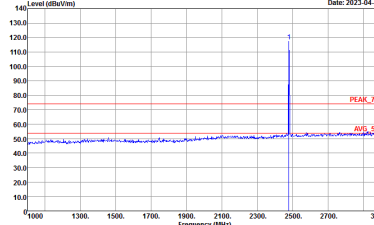


<b>BT</b>	<b>2.4GHz 2400~2483.5MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>BT CH39 2441MHz</b>	
<b>3+4</b>	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH15-HY          Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY          Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<b>Peak</b>	<p>Site : 03CH15-HY          Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<b>Left blank</b>

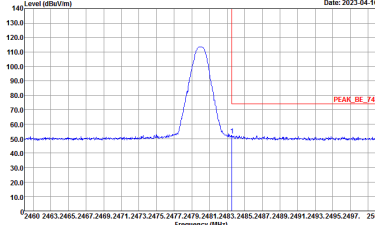
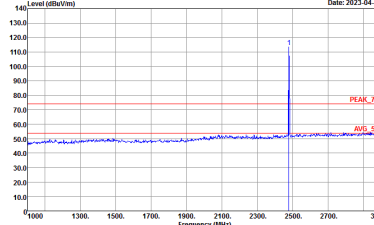


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
3+4	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY          Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY          Condition : PEAK_74 3m 91200_02294_220623 VERTICAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Site : 03CH15-HY          Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



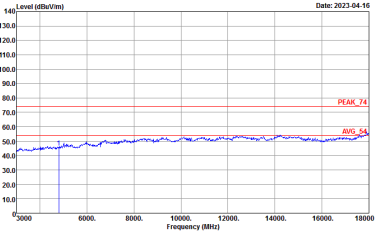
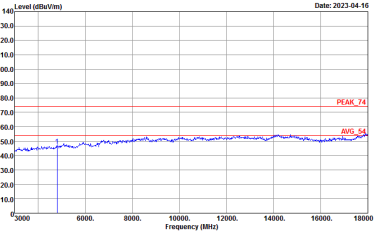
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
3+4	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-14Y Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-14Y Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
3+4	Vertical	Fundamental
Peak	 <p>Site : 03CH15-14Y          Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-14Y          Condition : PEAK_74 3m 91200_02294_220623 VERTICAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



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

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH00 2402MHz	
3+4	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH15-14Y Condition : PEAK_74 3m 9120D_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-14Y Condition : PEAK_74 3m 9120D_02294_220623 VERTICAL</p>



<b>BT</b>	<b>2.4GHz 2400~2483.5MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>BT CH39 2441MHz</b>	
<b>3+4</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CH39-14Y Condition : PEAK_74 3m 9120D_02294_220623 HORIZONTAL</p>	<p>Site : 03CH39-14Y Condition : PEAK_74 3m 9120D_02294_220623 VERTICAL</p>

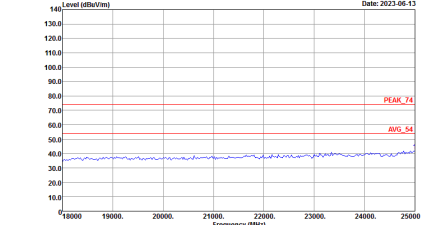
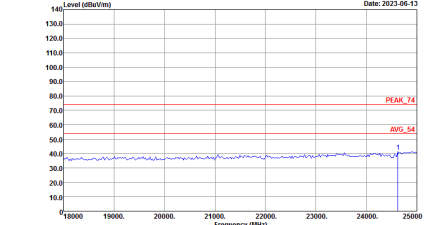




<b>BT</b>	<b>2.4GHz 2400~2483.5MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>BT CH78 2480MHz</b>	
<b>3+4</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CH15-14Y Condition : PEAK_74 3m 9120D_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-14Y Condition : PEAK_74 3m 9120D_02294_220623 VERTICAL</p>



Emission after 18GHz  
2.4GHz BT (SHF)

BT	2.4GHz 2400~2483.5MHz	
ANT	BT SHF	
3+4	Horizontal	Vertical
QP / Peak	 <p>Site : 03CHI5-HV Condition : PEAK_74 1m SHF_00991_220514 HORIZONTAL</p>	 <p>Site : 03CHI5-HV Condition : PEAK_74 1m SHF_00991_220514 VERTICAL</p>



Emission below 1GHz  
2.4GHz BT (LF)

<b>BT</b>	<b>2.4GHz 2400~2483.5MHz</b>	
<b>ANT</b>	<b>BT LF</b>	
<b>3+4</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>QP / Peak</b>	<p>Site : 03CH15-HV Condition : QP-3m 1581LOG_230318_210 HORIZONTAL</p>	<p>Site : 03CH15-HV Condition : QP-3m 1581LOG_230318_210 VERTICAL</p>



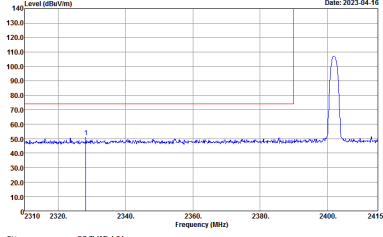
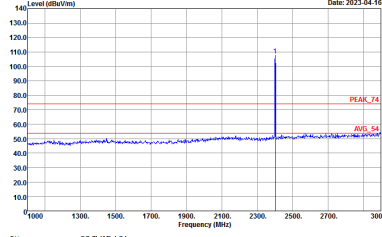
<HR 2Mbps Ant. 3>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Horizontal	Fundamental
Peak	<p>Site : 03G-H15-1FY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03G-H15-1FY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Vertical	Fundamental
Peak	 <p>Site : 03CHES-14Y Condition : PEAK_8E_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CHES-14Y Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>

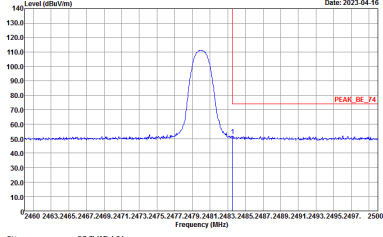
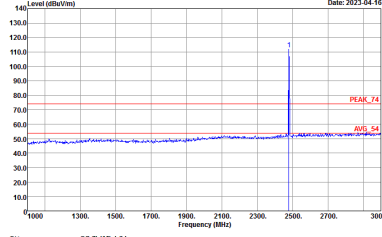


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH39 2441MHz		
	Horizontal	Fundamental
Peak	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	



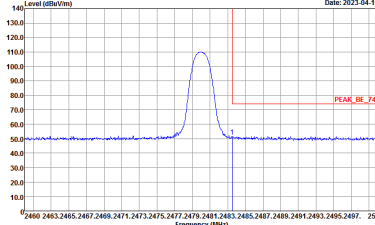
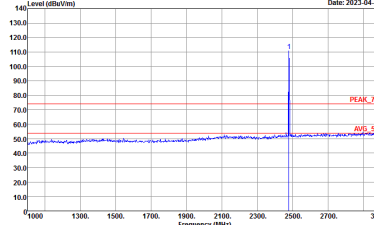
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH39 2441MHz		
	Vertical	Fundamental
Peak	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH78 2480MHz		
	Horizontal	Fundamental
Peak	 <p>Site : :03CH:14Y Condition : :PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : :03CH:14Y Condition : :PEAK_74 3m 91200_02294_220623 HORIZONTAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>





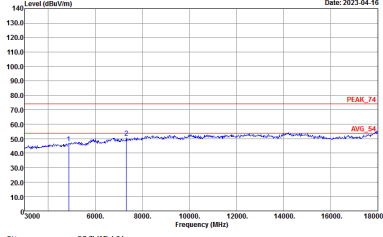
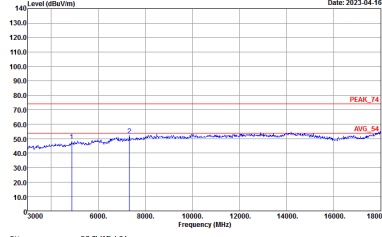
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH78 2480MHz		
	Vertical	Fundamental
Peak	 <p>Site : 03CHES-14Y Condition : PEAK_B8_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CHES-14Y Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



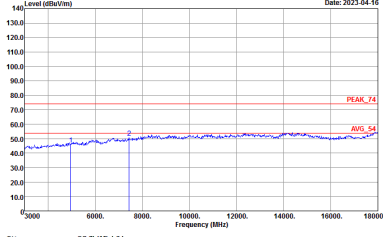
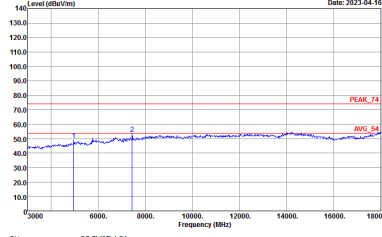
2.4GHz 2400~2483.5MHz  
BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH00 2402MHz	
	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-14Y Condition : PEAK_74 3m 9120D_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-14Y Condition : PEAK_74 3m 9120D_02294_220623 VERTICAL</p>



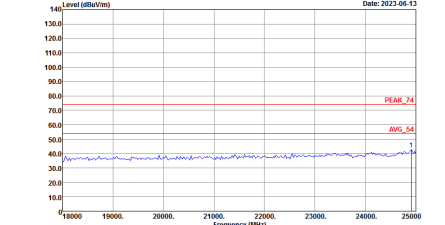
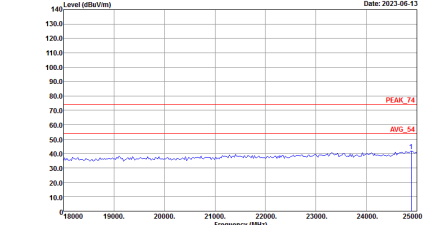
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH39 2441MHz	
	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH39-14Y Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH39-14Y Condition : PEAK_74 3m 91200_02294_220623 VERTICAL</p>



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CHES-14Y Condition : PEAK_74 3m 9120D_02294_220623 HORIZONTAL</p>	 <p>Site : 03CHES-14Y Condition : PEAK_74 3m 9120D_02294_220623 VERTICAL</p>

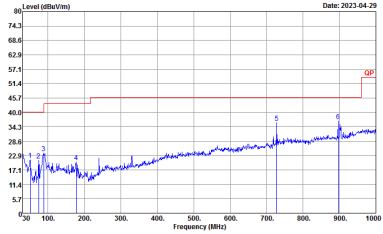
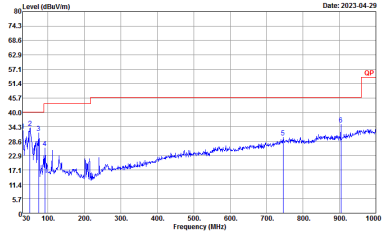


Emission after 18GHz  
2.4GHz BT (SHF)

BT	2.4GHz 2400~2483.5MHz	
	BT SHF	
	Horizontal	Vertical
QP / Peak	 <p>Site : 03CHI5-HY Condition : PEAK_74 1m SHF_00991_220514 HORIZONTAL</p>	 <p>Site : 03CHI5-HY Condition : PEAK_74 1m SHF_00991_220514 VERTICAL</p>



Emission below 1GHz  
2.4GHz BT (LF)

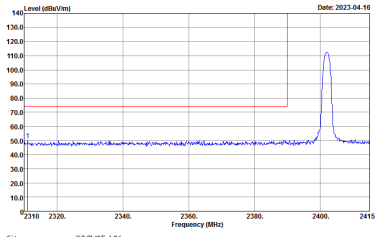
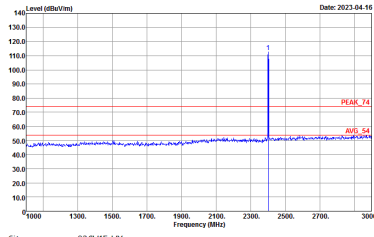
BT	2.4GHz 2400~2483.5MHz	
BT LF		
Horizontal		Vertical
QP / Peak	 <p data-bbox="432 779 686 817">Site : 03CHI5-HV Condition : QP-3m 1581LOG_230318_210 HORIZONTAL</p>	 <p data-bbox="906 779 1160 817">Site : 03CHI5-HV Condition : QP-3m 1581LOG_230318_210 VERTICAL</p>



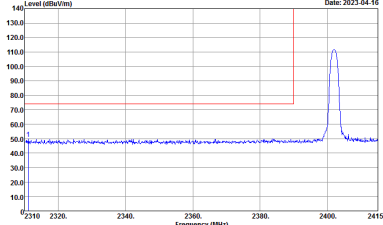
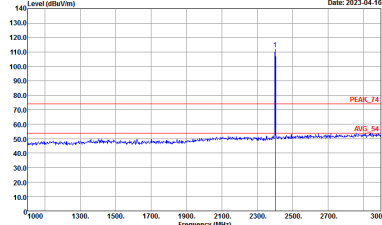
<HR 2Mbps Ant. 4>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Horizontal	Fundamental
Peak	 <p>Site : 03G-H5-1FY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03G-H5-1FY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



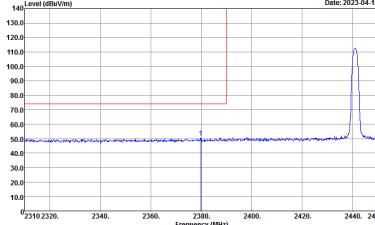
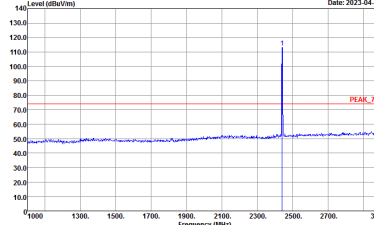
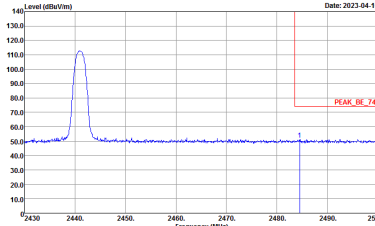
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH00 2402MHz		
	Vertical	Fundamental
Peak	 <p data-bbox="430 667 710 705">Site : 03CHES-14Y Condition : PEAK_8E_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p data-bbox="901 667 1181 705">Site : 03CHES-14Y Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



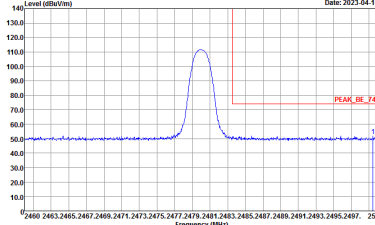
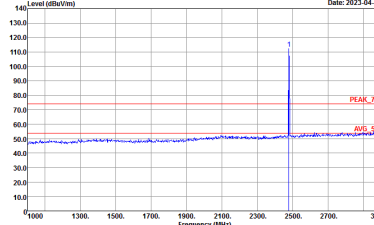


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH39 2441MHz		
	Horizontal	Fundamental
Peak	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Date: 2023-04-16</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank

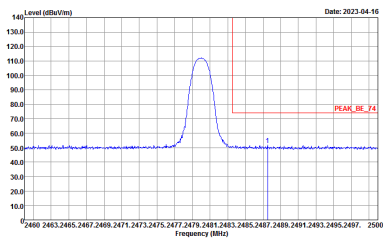
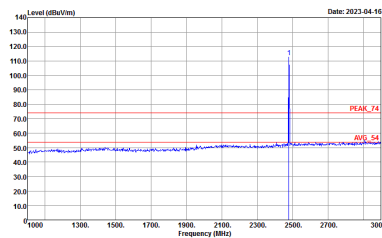


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH39 2441MHz		
	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH78 2480MHz		
	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-14Y Condition : PEAK_B8_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-14Y Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH78 2480MHz		
	Vertical	Fundamental
1	 <p>Date: 2023-04-16</p> <p>Site : 03CH15-14Y Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2023-04-16</p> <p>Site : 03CH15-14Y Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



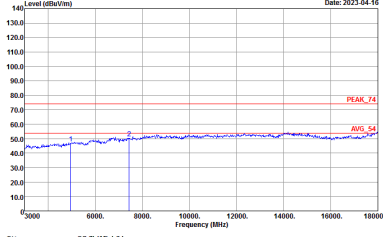
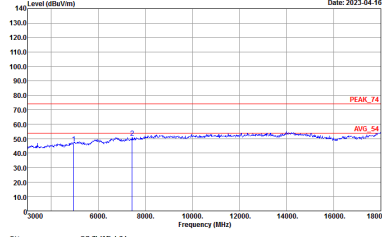
2.4GHz 2400~2483.5MHz  
BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH00 2402MHz	
	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-14Y Condition : PEAK_74 3m 9120D_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-14Y Condition : PEAK_74 3m 9120D_02294_220623 VERTICAL</p>



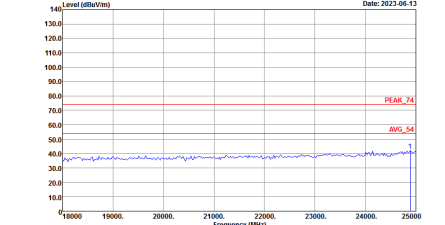
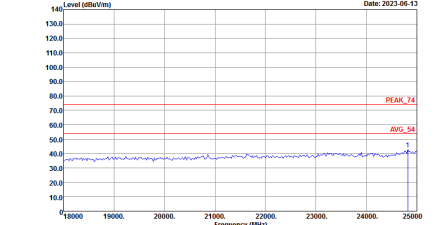
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH39 2441MHz	
	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH39-14Y Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH39-14Y Condition : PEAK_74 3m 91200_02294_220623 VERTICAL</p>



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horiz	Vertical
Peak Avg.	 <p>Site : 03CHES-14Y Condition : PEAK_74 3m 9120D_02294_220623 HORIZONTAL</p>	 <p>Site : 03CHES-14Y Condition : PEAK_74 3m 9120D_02294_220623 VERTICAL</p>



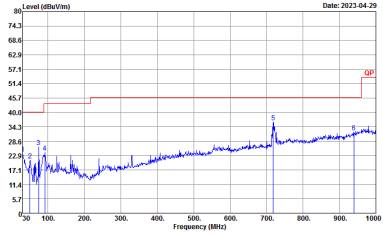
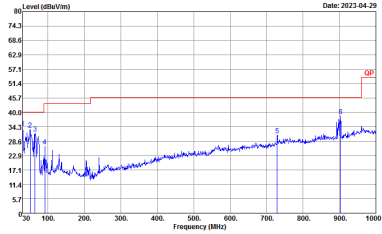
Emission after 18GHz  
2.4GHz BT (SHF)

BT	2.4GHz 2400~2483.5MHz	
	BT SHF	
	Horizontal	Vertical
QP / Peak	 <p>Site : 03CHI5-HY Condition : PEAK_74 1m SHF_00991_220514 HORIZONTAL</p>	 <p>Site : 03CHI5-HY Condition : PEAK_74 1m SHF_00991_220514 VERTICAL</p>





Emission below 1GHz  
GHz BT (LF)

BT	2.4GHz 2400~2483.5MHz	
BT LF		
Horizontal		Vertical
QP / Peak	 <p>Site : 03CHI5-HV Condition : QP-3m 1581LOG_230318_210 HORIZONTAL</p>	 <p>Site : 03CHI5-HV Condition : QP-3m 1581LOG_230318_210 VERTICAL</p>



<TXBF HR 2Mbps Ant. 3+4>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
3+4	Horizontal	Fundamental
Peak	<p>Date: 2023-04-26</p> <p>Site : 03CH15-1FY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Date: 2023-04-26</p> <p>Site : 03CH15-1FY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
3+4	Vertical	Fundamental
Peak	<p>Site : 03CHES-14Y Condition : PEAK_8E_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CHES-14Y Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>

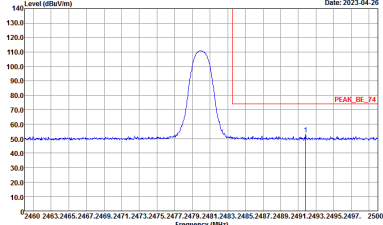
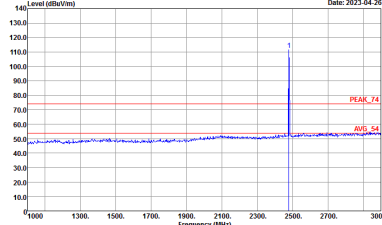


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
3+4	Horizontal	Fundamental
Peak	<p>Date: 2023-04-27</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-04-27</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Date: 2023-04-27</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
3+4	Vertical	Fundamental
Peak	<p>Date: 2023-04-27</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-04-27</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Date: 2023-04-27</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
3+4	Horizontal	Fundamental
Peak	 <p>Site : 03CHES-14Y Condition : PEAK_BE_74 3m 9120d_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CHES-14Y Condition : PEAK_74 3m 9120d_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



2.4GHz 2400~2483.5MHz Band Edge @ 3m		
ANT	BT CH78 2480MHz	
3+4	Vertical	Fundamental
1	<p>Site : 03CH:14Y Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH:14Y Condition : PEAK_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



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

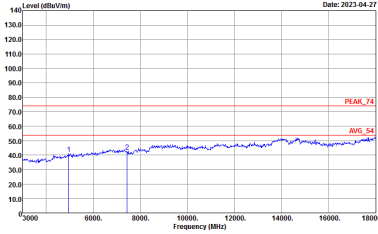
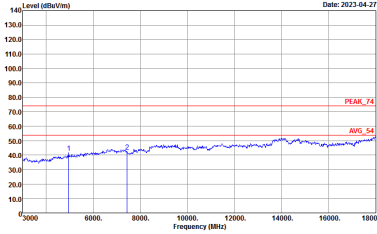
<b>BT</b>	<b>2.4GHz 2400~2483.5MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>BT CH00 2402MHz</b>	
<b>3+4</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CHI5-4Y Condition : PEAK_74 3m 9120D_02294_220623 HORIZONTAL</p>	<p>Site : 03CHI5-4Y Condition : PEAK_74 3m 9120D_02294_220623 VERTICAL</p>





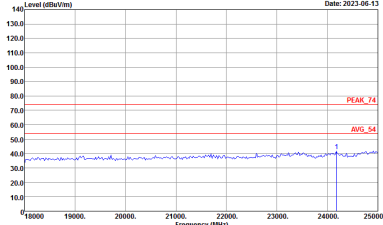
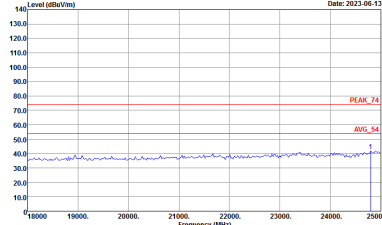
<b>BT</b>	<b>2.4GHz 2400~2483.5MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>BT CH39 2441MHz</b>	
<b>3+4</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CH39-14Y Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH39-14Y Condition : PEAK_74 3m 91200_02294_220623 VERTICAL</p>



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH78 2480MHz	
3+4	Horiz	Vertical
Peak Avg.	 <p>Site : 03CHES-14Y Condition : PEAK_74 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CHES-14Y Condition : PEAK_74 3m 91200_02294_220623 VERTICAL</p>



Emission after 18GHz  
2.4GHz BT (SHF)

BT	2.4GHz 2400~2483.5MHz	
ANT	BT SHF	
3+4	Horizontal	Vertical
WQP / Peak	 <p>Site : 03CHI5-HY Condition : PEAK_74 1m SHF_00991_220514 HORIZONTAL</p>	 <p>Site : 03CHI5-HY Condition : PEAK_74 1m SHF_00991_220514 VERTICAL</p>



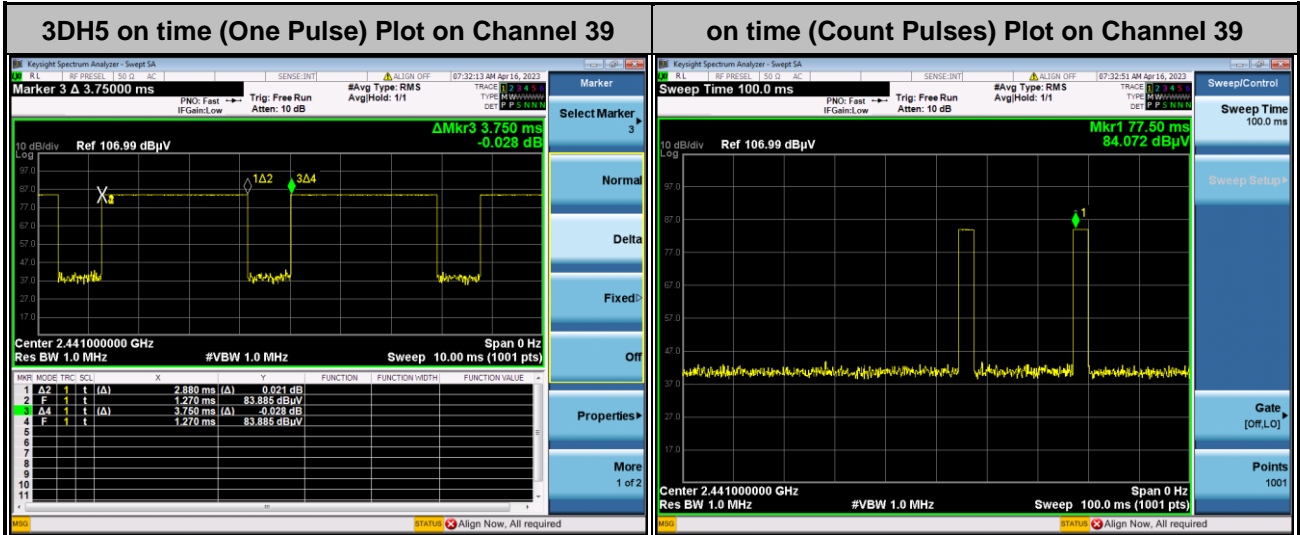
Emission below 1GHz  
GHz BT (LF)

<b>BT</b>	<b>2.4GHz 2400~2483.5MHz</b>	
<b>ANT</b>	<b>BT LF</b>	
<b>3+4</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>QP / Peak</b>	<p>Site : 03CHI5-HV Condition : QP-3m 1581LOG_230318_210 HORIZONTAL</p>	<p>Site : 03CHI5-HV Condition : QP-3m 1581LOG_230318_210 VERTICAL</p>



# Appendix E. Duty Cycle Plots

< BR+EDR Ant. 3 >



**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(Duty cycle) = -24.79 dB
3. 3DH5 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 3DH5 packet is observed;the on time 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 ms / 57.6 ms ] = 2 hops

Thus, the maximum possible ON time:

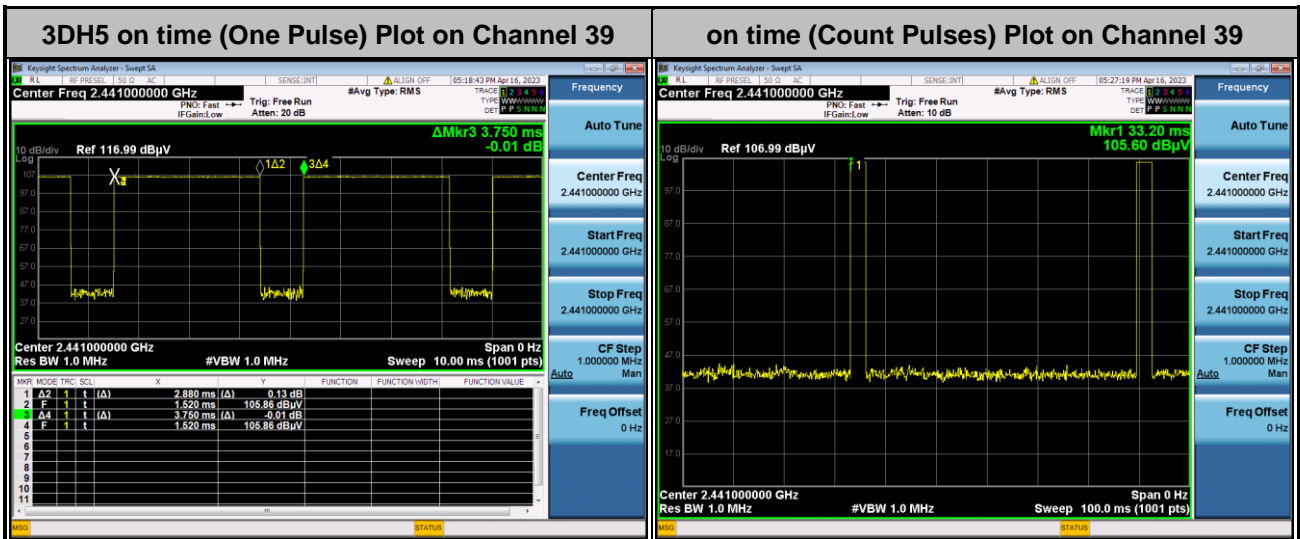
$$2.88 \text{ ms} \times 2 = 5.76 \text{ ms}$$

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

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



< BR+EDR Ant. 4>



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(Duty cycle) = -24.79 dB
3. 3DH5 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 3DH5 packet is observed; the on time 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 ms / 57.6 ms] = 2 hops

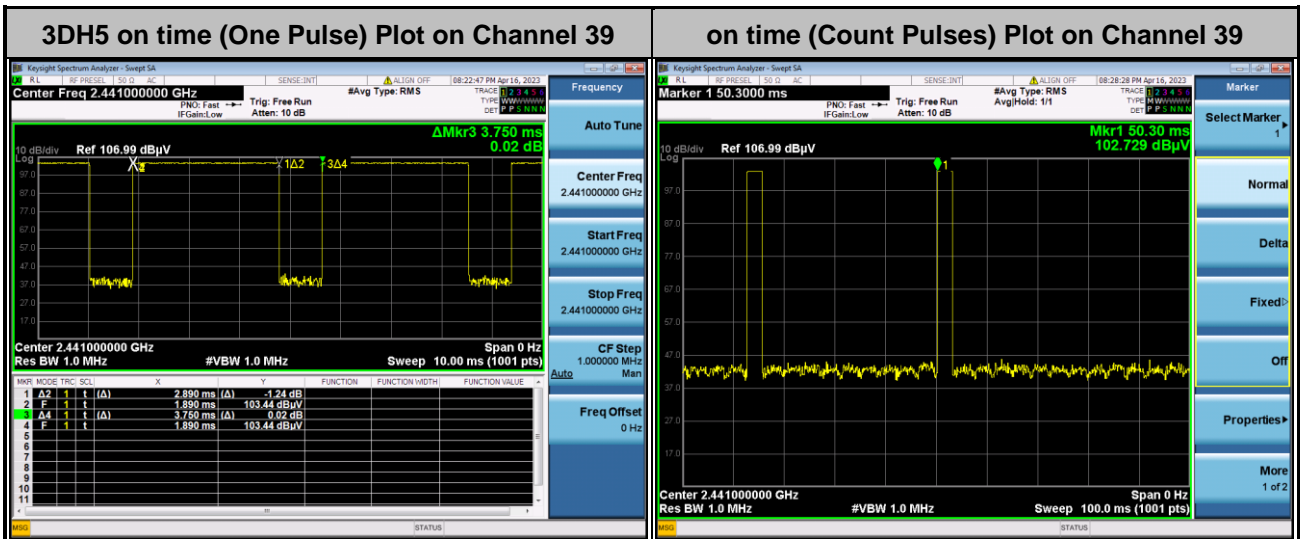
Thus, the maximum possible ON time:

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

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

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

< BR+EDR Ant. 3+4>



**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. 3DH5 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 3DH5 packet is observed; the on time period to have DH5 packet completing one hopping sequence is

$$2.89 \text{ ms} \times 20 \text{ channels} = 57.8 \text{ ms}$$

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.  $[100 \text{ ms} / 57.6 \text{ ms}] = 2 \text{ hops}$

Thus, the maximum possible ON time:

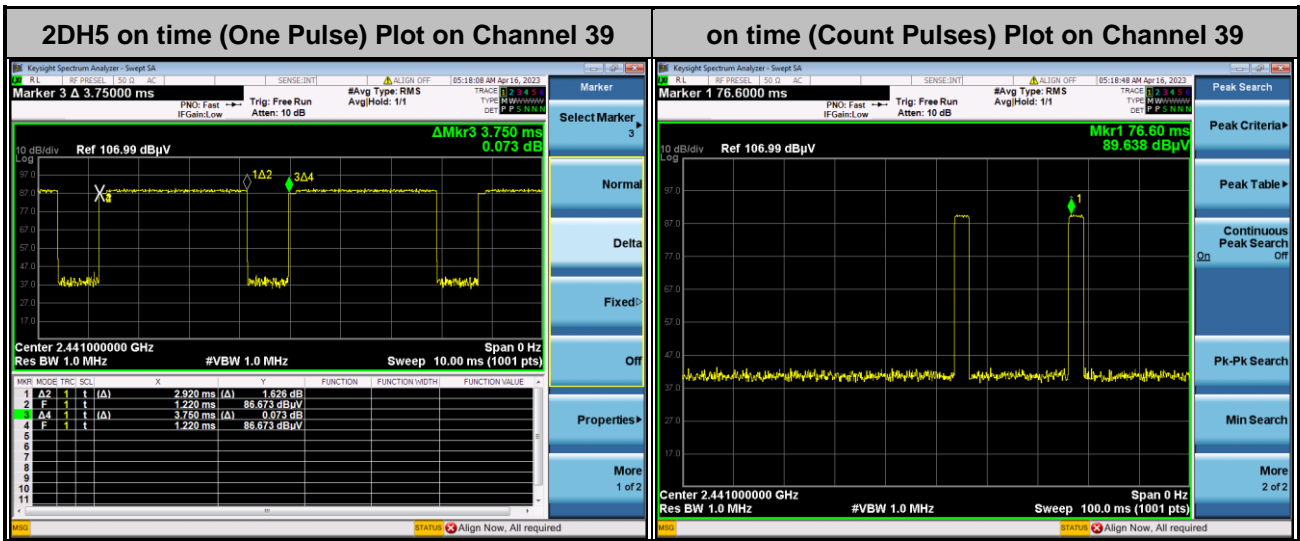
$$2.89 \text{ ms} \times 2 = 5.78 \text{ ms}$$

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

$$20 \times \log(5.78 \text{ ms}/100 \text{ ms}) = -24.76 \text{ dB}$$



< HR 2Mbps Ant. 3>



Note:

1. Worst case Duty cycle = on time/100 milliseconds = 2 \* 2.92 / 100 = 5.84 %
2. Worst case Duty cycle correction factor = 20\*log(Duty cycle) = -24.67 dB
3. 2DH5 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 2DH5 packet is observed;the on time period to have DH5 packet completing one hopping sequence is

$$2.92 \text{ ms} \times 20 \text{ channels} = 58.4 \text{ ms}$$

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 ms / 57.6 ms ] = 2 hops

Thus, the maximum possible ON time:

$$2.92 \text{ ms} \times 2 = 5.84 \text{ ms}$$

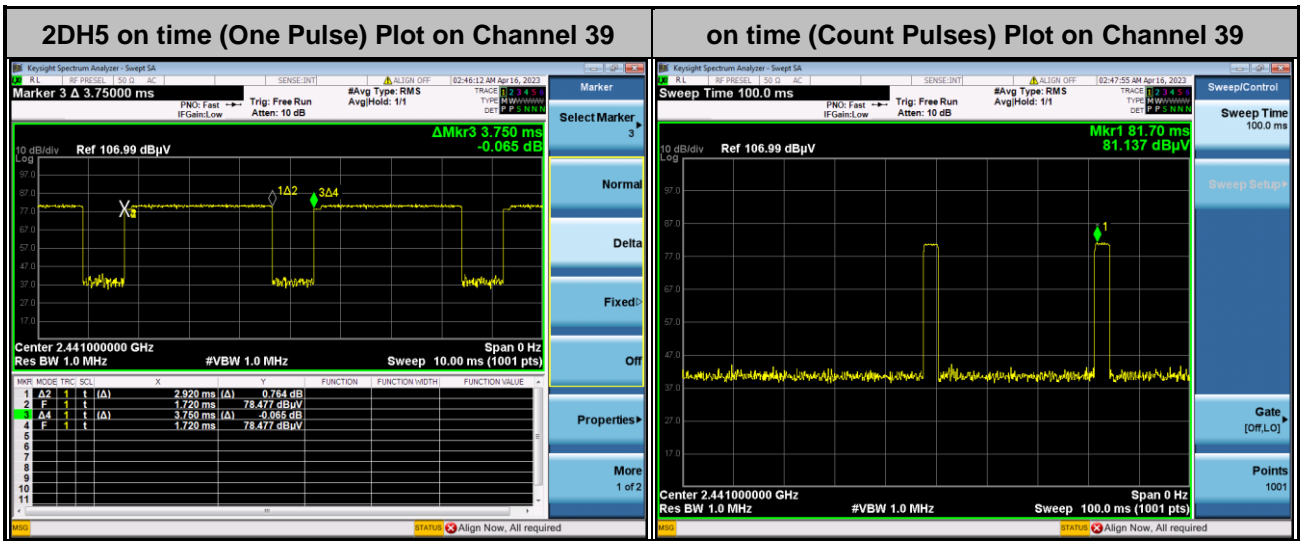
Worst case Duty Cycle Correction factor, which is derived from the maximum possible ON time,

$$20 \times \log(5.84 \text{ ms}/100 \text{ ms}) = -24.67 \text{ dB}$$





< HR 2Mbps Ant. 4>



Note:

1. Worst case Duty cycle = on time/100 milliseconds = 2 \* 2.92 / 100 = 5.84 %
2. Worst case Duty cycle correction factor = 20\*log(Duty cycle) = -24.67 dB
3. 2DH5 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 2DH5 packet is observed; the on time period to have 2DH5 packet completing one hopping sequence is

$$2.92 \text{ ms} \times 20 \text{ channels} = 58.4 \text{ ms}$$

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 ms / 57.6 ms] = 2 hops

Thus, the maximum possible ON time:

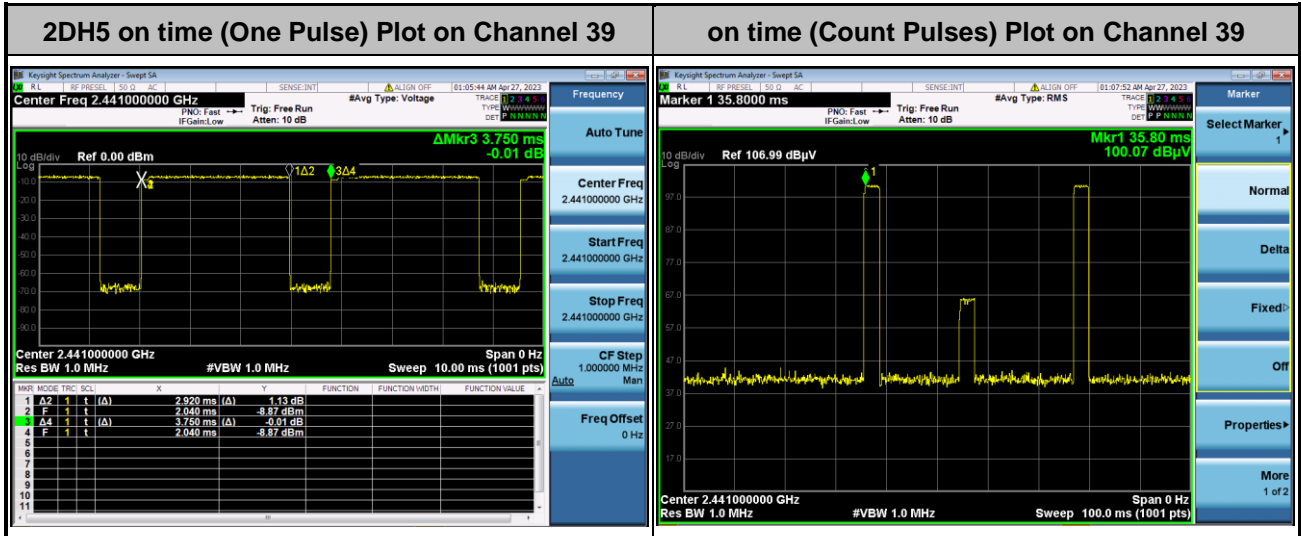
$$2.92 \text{ ms} \times 2 = 5.84 \text{ ms}$$

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

$$20 \times \log(5.84 \text{ ms}/100 \text{ ms}) = -24.67 \text{ dB}$$



< HR 2Mbps Ant. 3+4 >



Note:

1. Worst case Duty cycle = on time/100 milliseconds =  $2 * 2.93 / 100 = 5.86 \%$
2. Worst case Duty cycle correction factor =  $20 * \log(\text{Duty cycle}) = -24.64 \text{ dB}$
3. 2DH5 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 2DH5 packet is observed; the on time period to have 2DH5 packet completing one hopping sequence is

$$2.93 \text{ ms} \times 20 \text{ channels} = 58.6 \text{ ms}$$

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.  $[100 \text{ ms} / 57.6 \text{ ms}] = 2 \text{ hops}$

Thus, the maximum possible ON time:

$$2.93 \text{ ms} \times 2 = 5.86 \text{ ms}$$

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

$$20 \times \log(5.86 \text{ ms}/100 \text{ ms}) = -24.64 \text{ dB}$$

—THE END—