

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		69.15	24.31	-15.69	40	40.32	12.19	1.68	29.88	-	-	P	H
		97.23	32.12	-11.38	43.5	44.85	15.59	1.7	30.02	-	-	P	H
		192	26.15	-17.35	43.5	38.73	14.95	2.5	30.03	-	-	P	H
		790.7	30.36	-15.64	46	27.08	27.89	4.99	29.6	-	-	P	H
		901.3	32.92	-13.08	46	27.86	28.59	5.49	29.02	-	-	P	H
		955.2	33.28	-12.72	46	26.17	30.4	5.51	28.8	-	-	P	H
													H
													H
													H
													H
													H
													H
		32.16	33.53	-6.47	40	38.92	23.24	1.41	30.04	-	-	P	V
		96.42	28.83	-14.67	43.5	41.69	15.46	1.7	30.02	-	-	P	V
		190.65	24.46	-19.04	43.5	37.08	14.91	2.5	30.03	-	-	P	V
		787.9	30.28	-15.72	46	26.99	27.91	4.99	29.61	-	-	P	V
		874	32.11	-13.89	46	26.98	28.95	5.34	29.16	-	-	P	V
		957.3	33.48	-12.52	46	26.24	30.52	5.51	28.79	-	-	P	V
													V
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													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.												



<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		2386.23	47.1	-26.9	74	41	32.1	8.2	34.2	342	81	P	H
		2386.23	22.43	-31.57	54	-	-	-	-	-	-	A	H
	*	2402	112.65	-	-	106.55	32.1	8.2	34.2	342	81	P	H
	*	2402	87.98	-	-	-	-	-	-	-	-	A	H
													H
													H
		2347.065	46.09	-27.91	74	40.1	32.08	8.1	34.19	351	113	P	V
		2347.065	21.42	-32.58	54	-	-	-	-	-	-	A	V
	*	2402	110.34	-	-	104.24	32.1	8.2	34.2	351	113	P	V
	*	2402	85.67	-	-	-	-	-	-	-	-	A	V
													V
													V
BT CH 39 2441MHz		2358.86	45.88	-28.12	74	39.87	32.1	8.1	34.19	366	34	P	H
		2358.86	21.21	-32.79	54	-	-	-	-	-	-	A	H
	*	2441	113.6	-	-	107.51	32.02	8.28	34.21	366	34	P	H
	*	2441	88.93	-	-	-	-	-	-	-	-	A	H
		2489.43	46.25	-27.75	74	40.11	32	8.36	34.22	366	34	P	H
		2489.43	21.58	-32.42	54	-	-	-	-	-	-	A	H
		2345.42	46.54	-27.46	74	40.56	32.07	8.1	34.19	300	127	P	V
		2345.42	21.87	-32.13	54	-	-	-	-	-	-	A	V
	*	2441	109.16	-	-	103.07	32.02	8.28	34.21	300	127	P	V
	*	2441	84.49	-	-	-	-	-	-	-	-	A	V
		2496.08	46.14	-27.86	74	40	32	8.36	34.22	300	127	P	V
		2496.08	21.47	-32.53	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	112.62	-	-	106.48	32	8.36	34.22	317	36	P	H
	*	2480	87.95	-	-	-	-	-	-	-	-	A	H
		2483.92	48.92	-25.08	74	42.78	32	8.36	34.22	317	36	P	H
		2483.92	24.25	-29.75	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	109.99	-	-	103.85	32	8.36	34.22	290	129	P	V
	*	2480	85.32	-	-	-	-	-	-	-	-	A	V
		2484.2	48.09	-25.91	74	41.95	32	8.36	34.22	290	129	P	V
		2484.2	23.42	-30.58	54	-	-	-	-	-	-	A	V
													V
													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 (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	46.75	-27.25	74	58.72	34.02	13.01	59	100	344	P	H
		4804	22.08	-31.92	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
													H
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													H
													H
													H
		4804	45.11	-28.89	74	57.08	34.02	13.01	59	300	69	P	V
		4804	20.44	-33.56	54	-	-	-	-	-	-	A	V
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													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 39 2441MHz		4882	46.62	-27.38	74	58.3	34.14	13.03	58.85	100	340	P	H
		4882	21.95	-32.05	54	-	-	-	-	-	-	A	H
		7323	45.9	-28.1	74	52.35	35.7	15.36	57.51	100	341	P	H
		7323	21.23	-32.77	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		4882	47.83	-26.17	74	59.51	34.14	13.03	58.85	300	181	P	V
		4882	23.16	-30.84	54	-	-	-	-	-	-	A	V
		7323	51.55	-22.45	74	58	35.7	15.36	57.51	235	208	P	V
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													V
													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		4960	43.65	-30.35	74	55.02	34.3	13.04	58.71	-	-	P	H
		4960	18.98	-35.02	54	-	-	-	-	-	-	A	H
		7440	46.94	-27.06	74	53.55	35.6	15.38	57.59	100	229	P	H
		7440	22.27	-31.73	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		4960	43.4	-30.6	74	54.77	34.3	13.04	58.71	-	-	P	V
		4960	18.73	-35.27	54	-	-	-	-	-	-	A	V
		7440	53.57	-20.43	74	60.18	35.6	15.38	57.59	254	212	P	V
		7440	28.9	-25.1	54	-	-	-	-	-	-	A	V
													V
													V
													V
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												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or 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		2389.17	46.93	-27.07	74	40.83	32.1	8.2	34.2	137	86	P	H
		2389.17	22.17	-31.83	54	-	-	-	-	-	-	A	H
	*	2402	114.53	-	-	108.43	32.1	8.2	34.2	137	86	P	H
	*	2402	89.77	-	-	-	-	-	-	-	-	A	H
													H
													H
		2383.605	46.75	-27.25	74	40.65	32.1	8.2	34.2	400	112	P	V
		2383.605	21.99	-32.01	54	-	-	-	-	-	-	A	V
	*	2402	112.56	-	-	106.46	32.1	8.2	34.2	400	112	P	V
	*	2402	87.8	-	-	-	-	-	-	-	-	A	V
													V
													V
BT CH 39 2441MHz		2360.68	46.51	-27.49	74	40.5	32.1	8.1	34.19	101	85	P	H
		2360.68	21.75	-32.25	54	-	-	-	-	-	-	A	H
	*	2441	116.45	-	-	110.36	32.02	8.28	34.21	101	85	P	H
	*	2441	91.69	-	-	-	-	-	-	-	-	A	H
		2491.74	45.57	-28.43	74	39.43	32	8.36	34.22	101	85	P	H
		2491.74	20.81	-33.19	54	-	-	-	-	-	-	A	H
		2354.66	45.97	-28.03	74	39.96	32.1	8.1	34.19	385	94	P	V
		2354.66	21.21	-32.79	54	-	-	-	-	-	-	A	V
	*	2441	111.22	-	-	105.13	32.02	8.28	34.21	385	94	P	V
	*	2441	86.46	-	-	-	-	-	-	-	-	A	V
		2491.11	45.23	-28.77	74	39.09	32	8.36	34.22	385	94	P	V
		2491.11	20.47	-33.53	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	115.06	-	-	108.92	32	8.36	34.22	123	85	P	H
	*	2480	90.3	-	-	-	-	-	-	-	-	A	H
		2483.52	49.34	-24.66	74	43.2	32	8.36	34.22	123	85	P	H
		2483.52	24.58	-29.42	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	111.36	-	-	105.22	32	8.36	34.22	338	125	P	V
	*	2480	86.6	-	-	-	-	-	-	-	-	A	V
		2483.6	47.95	-26.05	74	41.81	32	8.36	34.22	338	125	P	V
		2483.6	23.19	-30.81	54	-	-	-	-	-	-	A	V
													V
													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 (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	43.89	-30.11	74	55.9	34.02	13.01	59.04	-	-	P	H
		4804	19.13	-34.87	54	-	-	-	-	-	-	A	H
													H
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													H
													H
													H
		4804	41.87	-32.13	74	53.88	34.02	13.01	59.04	-	-	P	V
		4804	17.11	-36.89	54	-	-	-	-	-	-	A	V
													V
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													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 39 2441MHz		4882	42.44	-31.56	74	54.18	34.14	13.03	58.91	-	-	P	H
		4882	17.68	-36.32	54	-	-	-	-	-	-	A	H
		7323	43.85	-30.15	74	50.37	35.7	15.36	57.58	-	-	P	H
		7323	19.09	-34.91	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		4882	42.53	-31.47	74	54.27	34.14	13.03	58.91	-	-	P	V
		4882	17.77	-36.23	54	-	-	-	-	-	-	A	V
		7323	43.83	-30.17	74	50.35	35.7	15.36	57.58	-	-	P	V
		7323	19.07	-34.93	54	-	-	-	-	-	-	A	V
													V
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													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		4960	42.36	-31.64	74	53.8	34.3	13.04	58.78	-	-	P	H
		4960	17.6	-36.4	54	-	-	-	-	-	-	A	H
		7440	42.88	-31.12	74	49.6	35.6	15.38	57.7	-	-	P	H
		7440	18.12	-35.88	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		4960	42.52	-31.48	74	53.96	34.3	13.04	58.78	-	-	P	V
		4960	17.76	-36.24	54	-	-	-	-	-	-	A	V
		7440	43.03	-30.97	74	49.75	35.6	15.38	57.7	-	-	P	V
		7440	18.27	-35.73	54	-	-	-	-	-	-	A	V
													V
													V
													V
													V
												V	
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Emission above 18GHz

2.4GHz BT (SHF)

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 SHF		18014	43.19	-30.81	74	52.17	37.7	12.92	59.6	-	-	P	H
													H
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													H
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													H
													H
													H
													H
		18105	43.49	-30.51	74	52.83	37.7	12.58	59.62	-	-	P	V
													V
													V
													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 with sufficient margin against limit line or noise floor only.											

Emission below 1GHz

2.4GHz BT (LF)

[illegible]



< 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		2388.33	46.27	-27.73	74	40.17	32.1	8.2	34.2	158	138	P	H
		2388.33	21.6	-32.4	54	-	-	-	-	-	-	A	H
	*	2402	109.47	-	-	103.37	32.1	8.2	34.2	158	138	P	H
	*	2402	84.8	-	-	-	-	-	-	-	-	A	H
													H
													H
		2338.455	45.81	-28.19	74	39.97	32.03	8	34.19	100	292	P	V
		2338.455	21.14	-32.86	54	-	-	-	-	-	-	A	V
	*	2402	114.93	-	-	108.83	32.1	8.2	34.2	100	292	P	V
	*	2402	90.26	-	-	-	-	-	-	-	-	A	V
													V
													V
BT CH 39 2441MHz		2378.46	45.76	-28.24	74	39.76	32.1	8.1	34.2	100	127	P	H
		2378.46	21.09	-32.91	54	-	-	-	-	-	-	A	H
	*	2441	108.41	-	-	102.32	32.02	8.28	34.21	100	127	P	H
	*	2441	83.74	-	-	-	-	-	-	-	-	A	H
		2497.76	46.11	-27.89	74	39.97	32	8.36	34.22	100	127	P	H
		2497.76	21.44	-32.56	54	-	-	-	-	-	-	A	H
		2387	46.56	-27.44	74	40.46	32.1	8.2	34.2	125	277	P	V
		2387	21.89	-32.11	54	-	-	-	-	-	-	A	V
	*	2441	113.81	-	-	107.72	32.02	8.28	34.21	125	277	P	V
	*	2441	89.14	-	-	-	-	-	-	-	-	A	V
		2498.81	45.76	-28.24	74	39.62	32	8.36	34.22	125	277	P	V
		2498.81	21.09	-32.91	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	108.08	-	-	101.94	32	8.36	34.22	100	142	P	H
	*	2480	83.41	-	-	-	-	-	-	-	-	A	H
		2492.72	46.82	-27.18	74	40.68	32	8.36	34.22	100	142	P	H
		2492.72	22.15	-31.85	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	114.16	-	-	108.02	32	8.36	34.22	100	260	P	V
	*	2480	89.49	-	-	-	-	-	-	-	-	A	V
		2483.56	48.76	-25.24	74	42.62	32	8.36	34.22	100	260	P	V
		2483.56	24.09	-29.91	54	-	-	-	-	-	-	A	V
													V
													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 (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	43.49	-30.51	74	55.46	34.02	13.01	59	-	-	P	H
		4804	18.82	-35.18	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		4804	42.18	-31.82	74	54.15	34.02	13.01	59	-	-	P	V
		4804	17.51	-36.49	54	-	-	-	-	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													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 39 2441MHz		4882	42.8	-31.2	74	54.48	34.14	13.03	58.85	-	-	P	H
		4882	18.13	-35.87	54	-	-	-	-	-	-	A	H
		7323	43.92	-30.08	74	50.37	35.7	15.36	57.51	-	-	P	H
		7323	19.25	-34.75	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		4882	43.02	-30.98	74	54.7	34.14	13.03	58.85	-	-	P	V
		4882	18.35	-35.65	54	-	-	-	-	-	-	A	V
		7323	44.7	-29.3	74	51.15	35.7	15.36	57.51	-	-	P	V
		7323	20.03	-33.97	54	-	-	-	-	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													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		4960	43	-31	74	54.37	34.3	13.04	58.71	-	-	P	H
		4960	18.33	-35.67	54	-	-	-	-	-	-	A	H
		7440	44.41	-29.59	74	51.02	35.6	15.38	57.59	-	-	P	H
		7440	19.74	-34.26	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		4960	42.51	-31.49	74	53.88	34.3	13.04	58.71	-	-	P	V
		4960	17.84	-36.16	54	-	-	-	-	-	-	A	V
		7440	43.22	-30.78	74	49.83	35.6	15.38	57.59	-	-	P	V
		7440	18.55	-35.45	54	-	-	-	-	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



<TXBF BR+EDR 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		2356.515	46.45	-27.55	74	40.44	32.1	8.1	34.19	200	129	P	H
		2356.515	21.69	-32.31	54	-	-	-	-	-	-	A	H
	*	2402	109.81	-	-	103.71	32.1	8.2	34.2	200	129	P	H
	*	2402	85.05	-	-	-	-	-	-	-	-	A	H
													H
													H
		2346.54	45.89	-28.11	74	39.9	32.08	8.1	34.19	100	299	P	V
		2346.54	21.13	-32.87	54	-	-	-	-	-	-	A	V
	*	2402	114.84	-	-	108.74	32.1	8.2	34.2	100	299	P	V
	*	2402	90.08	-	-	-	-	-	-	-	-	A	V
													V
													V
BT CH 39 2441MHz		2330.86	46.01	-27.99	74	40.21	31.99	8	34.19	206	137	P	H
		2330.86	21.25	-32.75	54	-	-	-	-	-	-	A	H
	*	2441	111.56	-	-	105.47	32.02	8.28	34.21	206	137	P	H
	*	2441	86.8	-	-	-	-	-	-	-	-	A	H
		2497.9	45.28	-28.72	74	39.14	32	8.36	34.22	206	137	P	H
		2497.9	20.52	-33.48	54	-	-	-	-	-	-	A	H
		2355.08	45.7	-28.3	74	39.69	32.1	8.1	34.19	100	216	P	V
		2355.08	20.94	-33.06	54	-	-	-	-	-	-	A	V
	*	2441	114.19	-	-	108.1	32.02	8.28	34.21	100	216	P	V
	*	2441	89.43	-	-	-	-	-	-	-	-	A	V
		2487.05	46.29	-27.71	74	40.15	32	8.36	34.22	100	216	P	V
		2487.05	21.53	-32.47	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	110.14	-	-	104	32	8.36	34.22	100	152	P	H
	*	2480	85.38	-	-	-	-	-	-	-	-	A	H
		2485.28	47.09	-26.91	74	40.95	32	8.36	34.22	100	152	P	H
		2485.28	22.33	-31.67	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	112.16	-	-	106.02	32	8.36	34.22	169	82	P	V
	*	2480	87.4	-	-	-	-	-	-	-	-	A	V
		2484.64	47.43	-26.57	74	41.29	32	8.36	34.22	169	82	P	V
		2484.64	22.67	-31.33	54	-	-	-	-	-	-	A	V
													V
													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 (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	44.9	-29.1	74	56.87	34.02	13.01	59	100	156	P	H
		4804	20.14	-33.86	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		4804	45.44	-28.56	74	57.41	34.02	13.01	59	306	144	P	V
		4804	20.68	-33.32	54	-	-	-	-	-	-	A	V
													V
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													V
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													V
													V
													V
													V
													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 39 2441MHz		4882	47.79	-26.21	74	59.47	34.14	13.03	58.85	100	130	P	H
		4882	23.03	-30.97	54	-	-	-	-	-	-	A	H
		7323	44.73	-29.27	74	51.18	35.7	15.36	57.51			P	H
		7323	19.97	-34.03	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		4882	46.49	-27.51	74	58.17	34.14	13.03	58.85	300	60	P	V
		4882	21.73	-32.27	54	-	-	-	-	-	-	A	V
		7323	48.32	-25.68	74	54.77	35.7	15.36	57.51	300	19	P	V
		7323	23.56	-30.44	54	-	-	-	-	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

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 CH 78 2480MHz		4960	42.7	-31.3	74	54.07	34.3	13.04	58.71	-	-	P	H	
		4960	17.94	-36.06	54	-	-	-	-	-	-	A	H	
		7440	44.6	-29.4	74	51.21	35.6	15.38	57.59	-	-	P	H	
		7440	19.84	-34.16	54	-	-	-	-	-	-	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
		4960	43.02	-30.98	74	54.39	34.3	13.04	58.71	-	-	P	V	
		4960	18.26	-35.74	54	-	-	-	-	-	-	-	A	V
		7440	43.91	-30.09	74	50.52	35.6	15.38	57.59	-	-	P	V	
		7440	19.15	-34.85	54	-	-	-	-	-	-	-	A	V
														V
														V
														V
														V
														V
														V
														V
													V	
													V	
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or 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		2362.605	46.07	-27.93	74	40.06	32.1	8.1	34.19	389	266	P	H
		2362.605	21.4	-32.6	54	-	-	-	-	-	-	A	H
	*	2402	113.78	-	-	107.68	32.1	8.2	34.2	389	266	P	H
	*	2402	89.11	-	-	-	-	-	-	-	-	A	H
		2350.95	45.46	-28.54	74	39.45	32.1	8.1	34.19	400	82	P	V
		2350.95	20.79	-33.21	54	-	-	-	-	-	-	A	H
	*	2402	108.76	-	-	102.66	32.1	8.2	34.2	400	82	P	V
	*	2402	84.09	-	-	-	-	-	-	-	-	A	H
	*												V
	*												V
													V
													V
BT CH 39 2441MHz		2388.26	45.82	-28.18	74	39.72	32.1	8.2	34.2	100	259	P	H
		2388.26	21.15	-32.85	54	-	-	-	-	-	-	A	H
	*	2441	113.53	-	-	107.44	32.02	8.28	34.21	100	259	P	H
	*	2441	88.86	-	-	-	-	-	-	-	-	A	H
		2489.5	46.02	-27.98	74	39.88	32	8.36	34.22	100	259	P	H
		2489.5	21.35	-32.65	54	-	-	-	-	-	-	A	H
		2374.82	45.84	-28.16	74	39.83	32.1	8.1	34.19	390	105	P	V
		2374.82	21.17	-32.83	54	-	-	-	-	-	-	A	V
	*	2441	110.9	-	-	104.81	32.02	8.28	34.21	390	105	P	V
	*	2441	86.23	-	-	-	-	-	-	-	-	A	V
		2488.45	45.52	-28.48	74	39.38	32	8.36	34.22	390	105	P	V
		2488.45	20.85	-33.15	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	113.85	-	-	107.71	32	8.36	34.22	133	255	P	H
	*	2480	89.18	-	-	-	-	-	-	-	-	A	H
		2483.92	47.68	-26.32	74	41.54	32	8.36	34.22	133	255	P	H
		2483.92	23.01	-30.99	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	109.57	-	-	103.43	32	8.36	34.22	337	99	P	V
	*	2480	84.9	-	-	-	-	-	-	-	-	A	V
		2484.16	46.17	-27.83	74	40.03	32	8.36	34.22	337	99	P	V
		2484.16	21.5	-32.5	54	-	-	-	-	-	-	A	V
													V
													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 (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	42.48	-31.52	74	54.49	34.02	13.01	59.04	-	-	P	H
		4804	17.81	-36.19	54	-	-	-	-	-	-	A	H
													H
													H
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													H
													H
													H
													H
													H
													H
													H
													H
		4804	41.74	-32.26	74	53.75	34.02	13.01	59.04	-	-	P	V
		4804	17.07	-36.93	54	-	-	-	-	-	-	A	V
													V
													V
													V
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													V
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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 39 2441MHz		4882	42.23	-31.77	74	53.97	34.14	13.03	58.91	-	-	P	H
		4882	17.56	-36.44	54	-	-	-	-	-	-	A	H
		7323	49.21	-24.79	74	55.73	35.7	15.36	57.58	100	342	P	H
		7323	24.54	-29.46	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		4882	42.91	-31.09	74	54.65	34.14	13.03	58.91	-	-	P	V
		4882	18.24	-35.76	54	-	-	-	-	-	-	A	V
		7323	50.69	-23.31	74	57.21	35.7	15.36	57.58	268	209	P	V
		7323	26.02	-27.98	54	-	-	-	-	-	-	A	V
													V
													V
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													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		4960	42.28	-31.72	74	53.72	34.3	13.04	58.78	-	-	P	H	
		4960	17.61	-36.39	54	-	-	-	-	-	-	A	H	
		7440	44.44	-29.56	74	51.16	35.6	15.38	57.7	-	-	P	H	
		7440	19.77	-34.23	54	-	-	-	-	-	-	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
		4960	42.42	-31.58	74	53.86	34.3	13.04	58.78	-	-	P	V	
		4960	17.75	-36.25	54	-	-	-	-	-	-	-	A	V
		7440	51.24	-22.76	74	57.96	35.6	15.38	57.7	250	211	P	V	
		7440	26.57	-27.43	54	-	-	-	-	-	-	-	A	V
														V
														V
														V
														V
														V
														V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



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 over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical



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

BT	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

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)

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



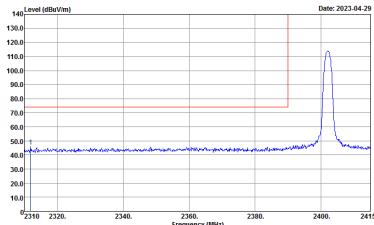
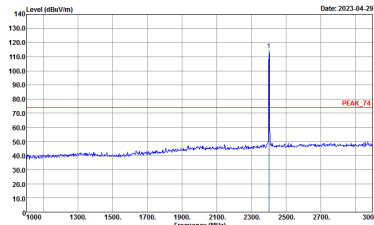
Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	Temperature :	20.3 ~ 26.1°C
		Relative Humidity :	43.5 ~ 68.1 %

< BR+EDR Ant. 3 >

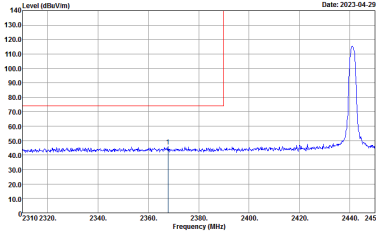
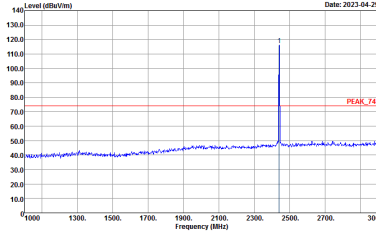
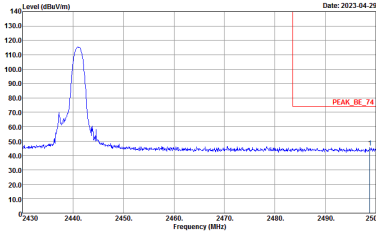
2.4GHz 2400~2483.5MHz

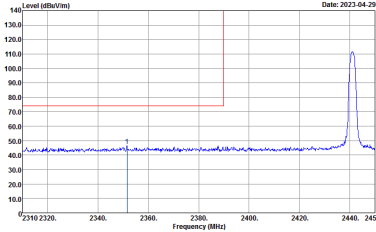
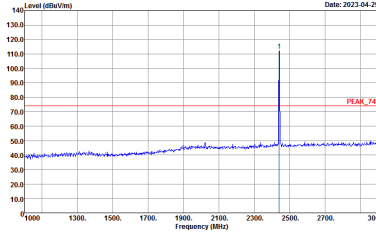
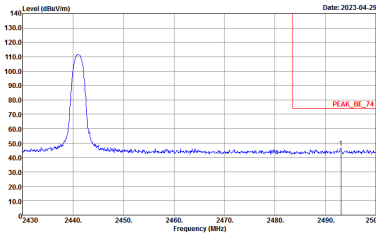
BT (Band Edge @ 3m)

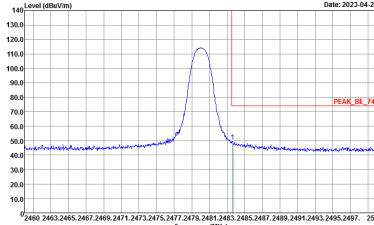
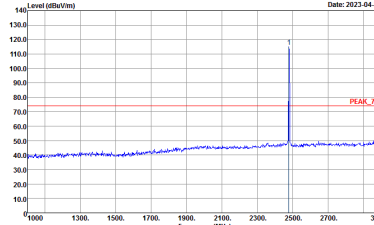
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:2000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:2000.000kHz VBW:3000.000kHz SWT:Auto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2023-04-29 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2023-04-29 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH39 2441MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH39 2441MHz	
	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	Left blank

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH78 2480MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_HF_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_F4 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

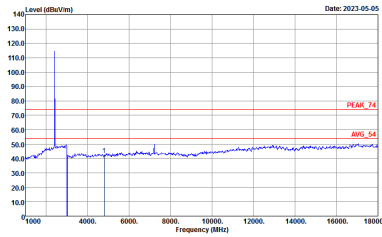
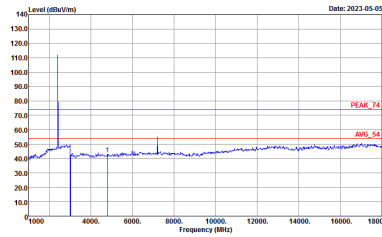


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH78 2480MHz	
	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2023-04-29 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BF_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2023-04-29 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

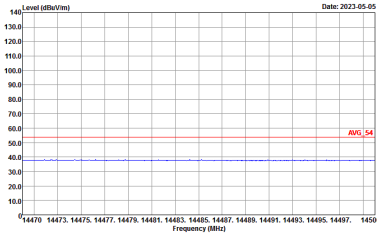
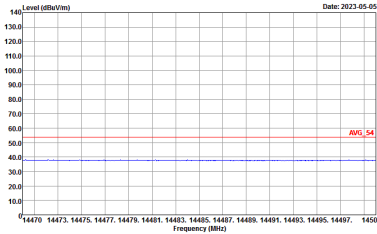
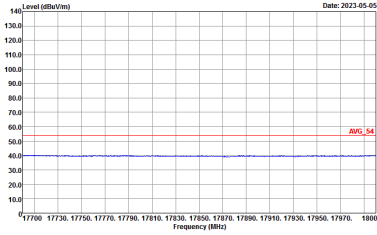
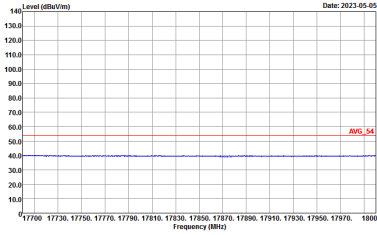


2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH00 2402MHz	
	Horizontal	Vertical
Peak Avg.	 Site : 09CH07-4Y Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL :	 Site : 09CH07-4Y Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL :



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH00 2402MHz	
	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :
	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH39 2441MHz	
	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-05-05 PEAK_74 AVG_54 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL	Level (dBuV/m) Date: 2023-05-05 PEAK_74 AVG_54 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH39 2441MHz	
	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 14470 to 14500 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m. The x-axis ranges from 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 55 dBuV/m. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL Date: 2023-05-05	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 14470 to 14500 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m. The x-axis ranges from 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 55 dBuV/m. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL Date: 2023-05-05
	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 17700 to 18000 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m. The x-axis ranges from 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 55 dBuV/m. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL Date: 2023-05-05	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 17700 to 18000 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m. The x-axis ranges from 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 55 dBuV/m. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL Date: 2023-05-05



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-05-05 PEAK_74 AVG_54 Site : 03CH07-HY Condition : PEAK_78 3m HF_ANT_00075962 HORIZONTAL :	Level (dBuV/m) Date: 2023-05-05 PEAK_74 AVG_54 Site : 03CH07-HY Condition : PEAK_78 3m HF_ANT_00075962 VERTICAL :



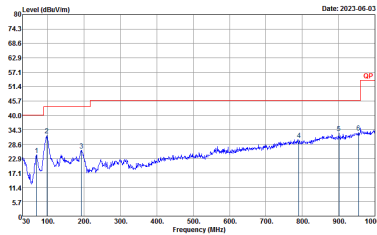
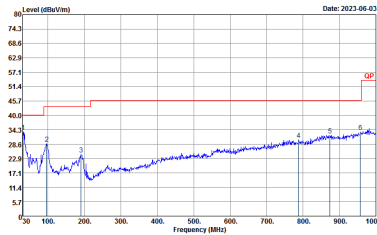
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
14.47G ~14.5G Avg.	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :
	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :



Emission after 18GHz
2.4GHz BT (SHF @ 1m)

BT	2.4GHz 2400~2483.5MHz	
	BT SHF	
	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-05-15 Site : 09CH07-RV Condition : PEAK_74 1m SHF-EHF_5170251 HORIZONTAL :	Level (dBuV/m) Date: 2023-05-15 Site : 09CH07-RV Condition : PEAK_74 1m SHF-EHF_5170251 VERTICAL :

Emission below 1GHz
2.4GHz BT (LF)

BT	2.4GHz 2400~2483.5MHz	
	BT LF	
	Horizontal	Vertical
QP / Peak	 Site : 03CH07-HY Condition : QP 3m LF-ANT-35415(6)_H HORIZONTAL :	 Site : 03CH07-HY Condition : QP 3m LF-ANT-35415(6)_H VERTICAL :

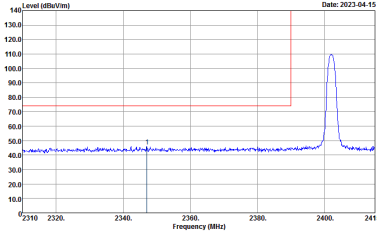
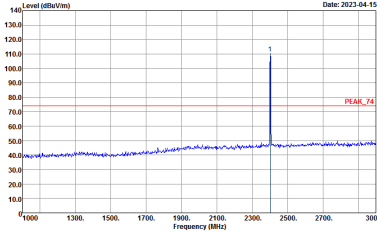


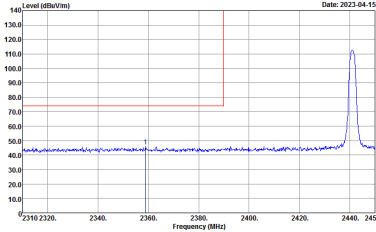
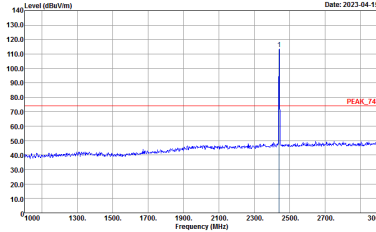
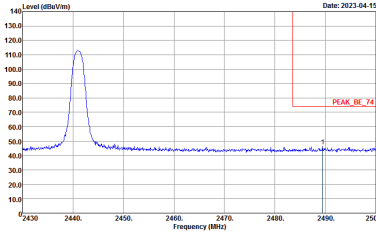
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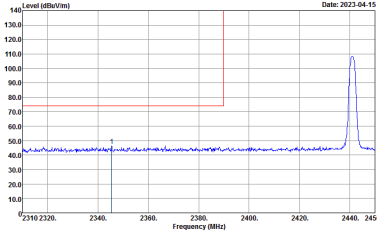
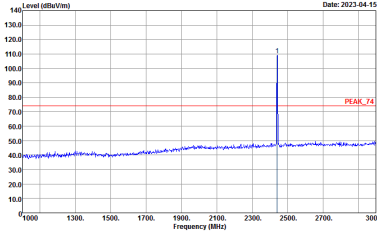
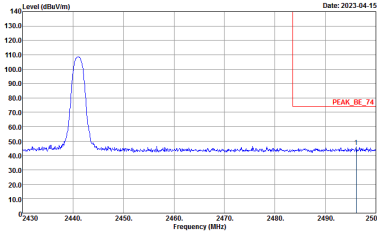
2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Horizontal	Fundamental
Peak	Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH39 2441MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH39 2441MHz	
	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH78 2480MHz	
	Horizontal	Fundamental
Peak	Level (dBuV/m) Date: 2023-04-15 PEAK_HF_74 2460 2463.2465 2467.2469 2471.2473 2475.2477 2479.2481 2483.2485 2487.2489 2491.2493 2495.2497 2500 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_HF_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2023-04-15 PEAK_F4 1000 1300 1600 1900 2200 2500 2700 3000 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_F4 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

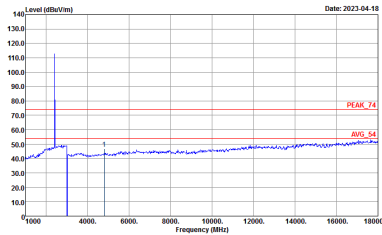
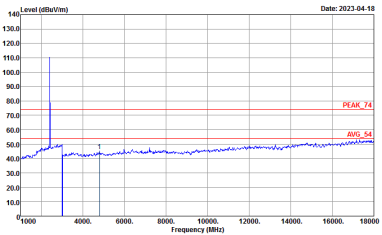


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH78 2480MHz	
	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2023-04-15 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BE_78 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2023-04-15 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_78 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

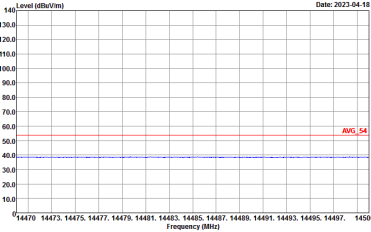
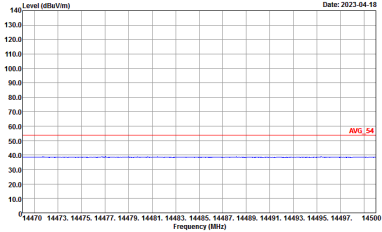
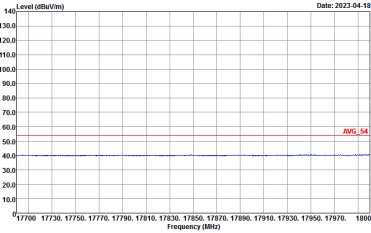
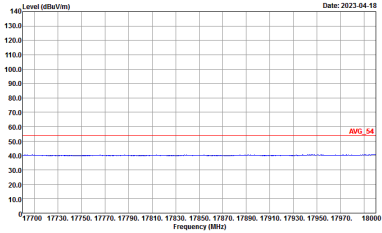


2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH00 2402MHz	
	Horizontal	Vertical
Peak Avg.	 Site : 09CH07-4V Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL :	 Site : 09CH07-4V Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL :

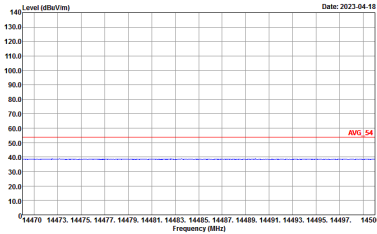
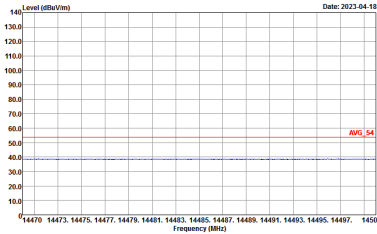
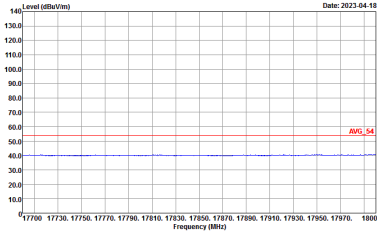
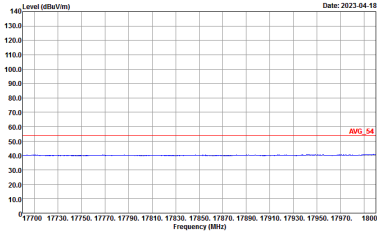


BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH00 2402MHz	
	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :
	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH39 2441MHz	
	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-04-18 PEAK_74 Avg_54 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL	Level (dBuV/m) Date: 2023-04-18 PEAK_74 Avg_54 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH39 2441MHz	
	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :
	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-04-18 PEAK_74 Avg_54 Site : 03CH07-HY Condition : PEAK_78 3m HF_ANT_00075962 HORIZONTAL	Level (dBuV/m) Date: 2023-04-18 PEAK_74 Avg_54 Site : 03CH07-HY Condition : PEAK_78 3m HF_ANT_00075962 VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
14.47G ~14.5G Avg.	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :
	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :



<BR+EDR Ant. 4 >

2.4GHz 2400~2483.5MHz

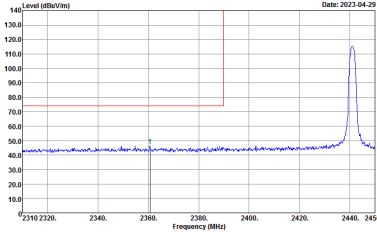
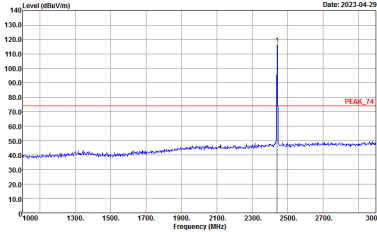
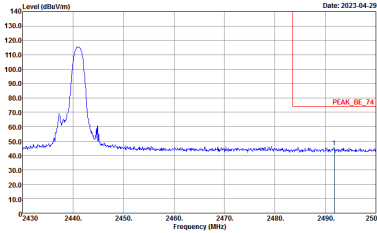
BT (Band Edge @ 3m)

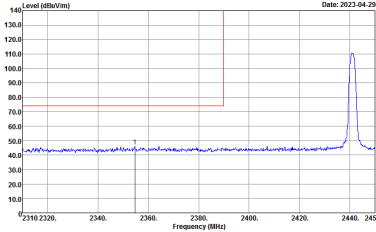
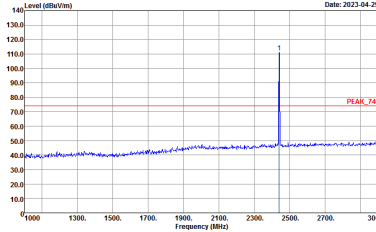
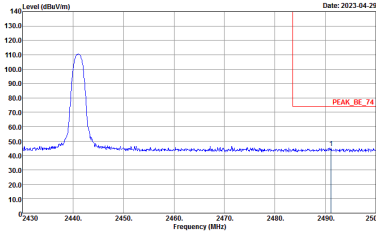
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Horizontal	Fundamental
Peak	Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2023-04-29 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2023-04-29 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH39 2441MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH39 2441MHz	
	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH78 2480MHz	
	Horizontal	Fundamental
Peak	Level (dBuV/m) Date: 2023-04-29 PEAK_HF_74 2460 2463.2465 2467.2469 2471.2473 2475.2477 2479.2481 2483.2485 2487.2489 2491.2493 2495.2497 2500 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_HF_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2023-04-29 PEAK_F4 2400 2430 2460 2490 2520 2550 2580 2610 2640 2670 2700 2730 2760 2790 2820 2850 2880 2910 2940 2970 3000 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_F4 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

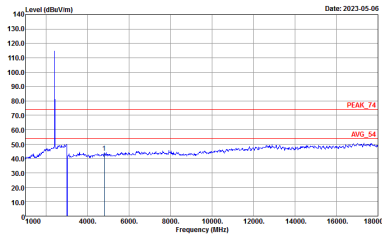
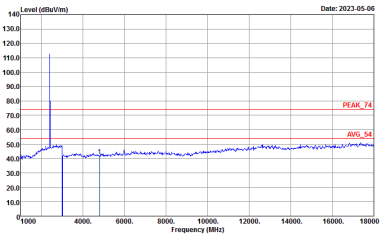


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH78 2480MHz	
	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2023-04-29 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2023-04-29 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH00 2402MHz	
	Horizontal	Vertical
Peak Avg.	 Site : 09CH07-4Y Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL :	 Site : 09CH07-4Y Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL :



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH00 2402MHz	
	Horizontal	Vertical
14.47G ~14.5G Avg.	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :
17.7G ~18G Avg	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH39 2441MHz	
	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-05-06 PEAK_74 AVG_54 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL	Level (dBuV/m) Date: 2023-05-06 PEAK_74 AVG_54 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL

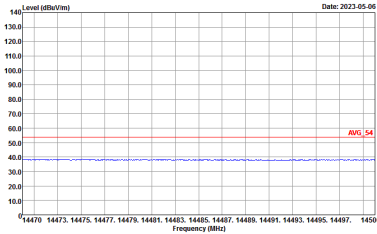
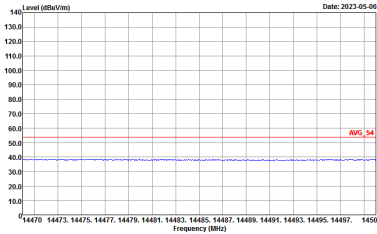
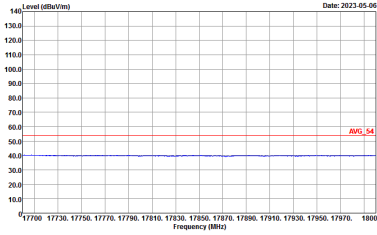
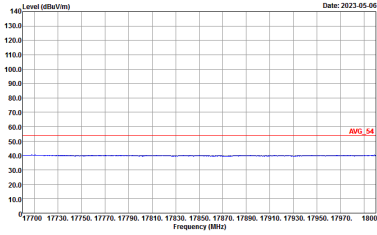


BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH39 2441MHz	
	Horizontal	Vertical
14.47G ~14.5G Avg.	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :
	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :



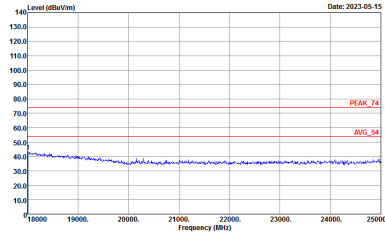
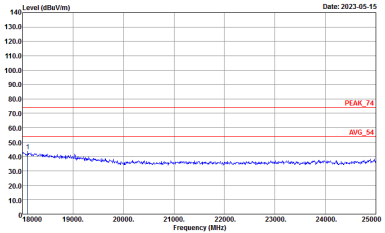
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-05-06 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_78 3m HF_ANT_00075962 HORIZONTAL :	Level (dBuV/m) Date: 2023-05-06 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_78 3m HF_ANT_00075962 VERTICAL :



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :
	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :



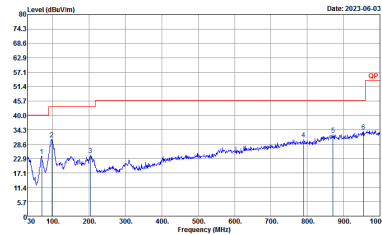
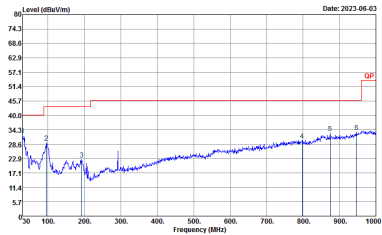
Emission after 18GHz
2.4GHz BT (SHF @ 1m)

BT	2.4GHz 2400~2483.5MHz	
	BT SHF	
	Horizontal	Vertical
Peak Avg.	 Site : 09CH07-HY Condition : PEAK_74 1m SHF-EHF_5170251 HORIZONTAL :	 Site : 09CH07-HY Condition : PEAK_74 1m SHF-EHF_5170251 VERTICAL :



Emission below 1GHz

2.4GHz BT (LF)

BT	2.4GHz 2400~2483.5MHz	
	BT LF	
	Horizontal	Vertical
QP / Peak	 Site : 03CH07-HY Condition : QP 3m LF-ANT-35415(6)_H HORIZONTAL :	 Site : 03CH07-HY Condition : QP 3m LF-ANT-35415(6)_H VERTICAL :

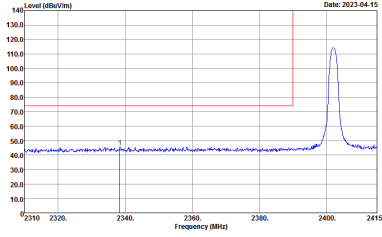
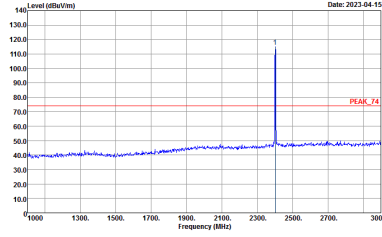


<HR 2Mbps Ant. 4 >

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

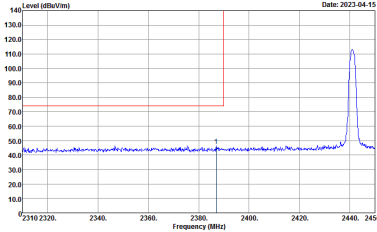
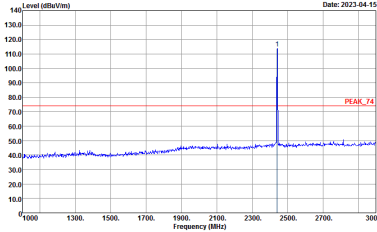
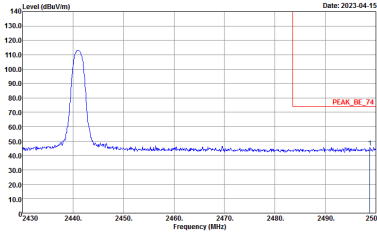
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Horizontal	Fundamental
Peak	Site : 03CH07-4H Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	Site : 03CH07-4H Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto

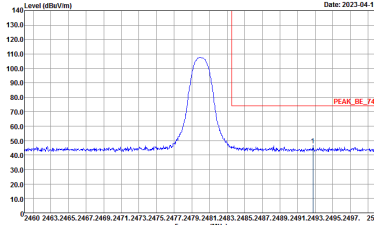
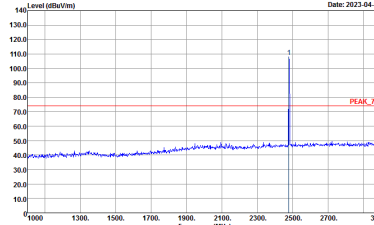
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH39 2441MHz	
	Horizontal	Fundamental
Peak	Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Peak	Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH39 2441MHz	
	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH78 2480MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto

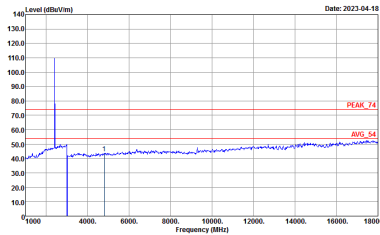
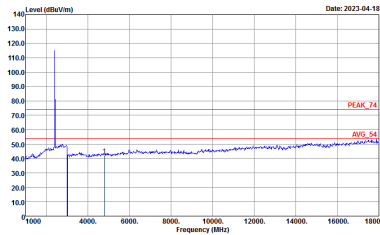


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH78 2480MHz	
	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2023-04-15 2460 2463.2465 2467.2469 2471.2473 2475.2477 2479.2481 2483.2485 2487.2489 2491 2493 2495 2497 2500 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2023-04-15 1900 1950 2000 2050 2100 2150 2200 2250 2300 2350 2400 2450 2500 2550 2600 2650 2700 2750 2800 2850 2900 2950 3000 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

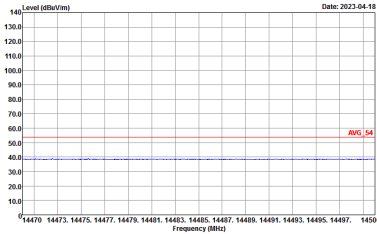
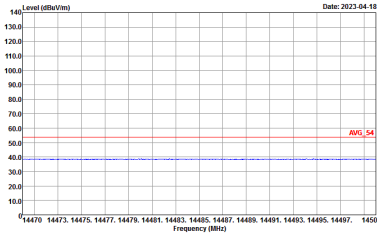
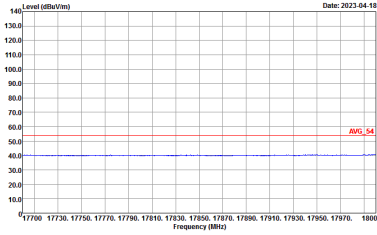
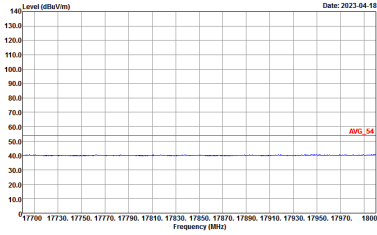


2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH00 2402MHz	
	Horizontal	Vertical
Peak Avg.	 Site : 09CH07-4V Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL :	 Site : 09CH07-4V Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL :

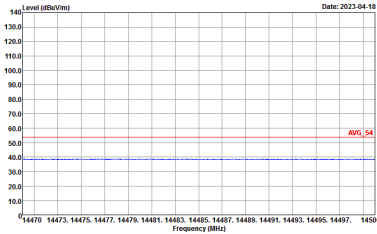
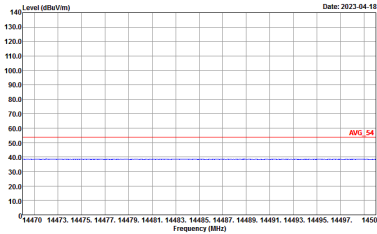
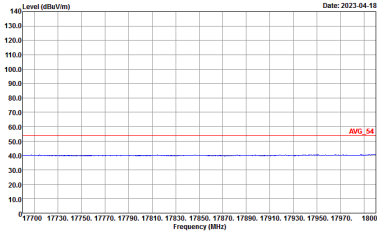
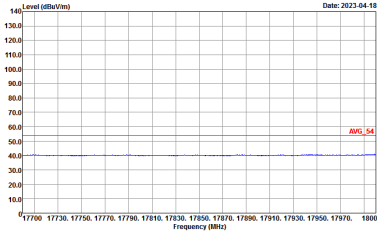


BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH00 2402MHz	
	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :
	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH39 2441MHz	
	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-04-18 PEAK_74 Avg_54 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL	Level (dBuV/m) Date: 2023-04-18 PEAK_74 Avg_54 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL

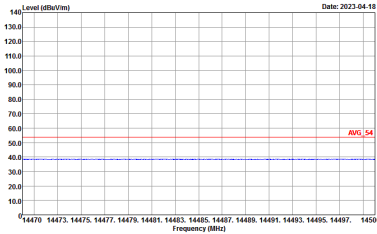
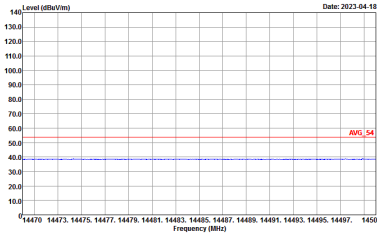
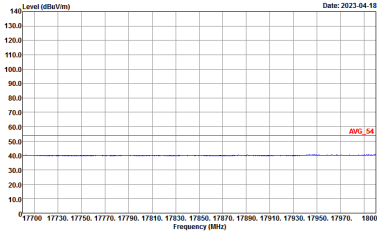
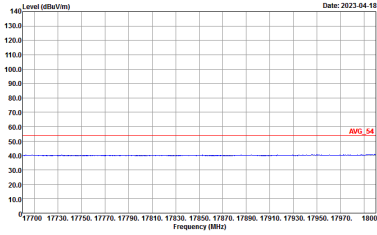


BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH39 2441MHz	
	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :
17.7G ~18G Avg	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-04-18 PEAK_74 Avg_54 Site : 03CH07-HY Condition : PEAK_78 3m HF_ANT_00075962 HORIZONTAL	Level (dBuV/m) Date: 2023-04-18 PEAK_74 Avg_54 Site : 03CH07-HY Condition : PEAK_78 3m HF_ANT_00075962 VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :
	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :
17.7G ~18G Avg		



<TXBF BR+EDR Ant. 3+4 >

2.4GHz 2400~2483.5MHz

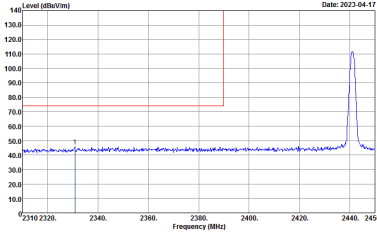
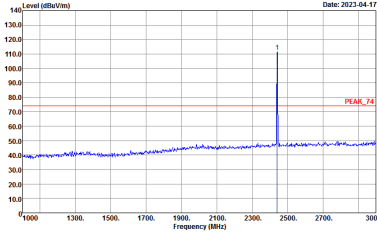
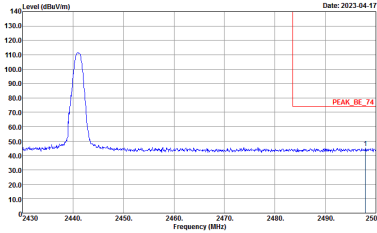
BT (Band Edge @ 3m)

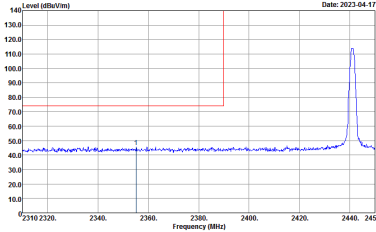
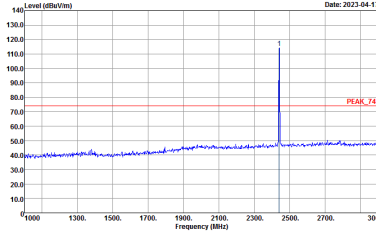
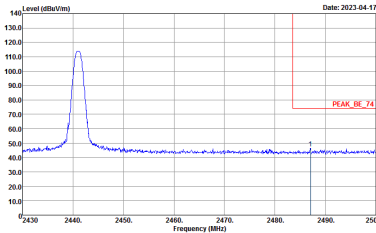
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Horizontal	Fundamental
Peak	Level (dBm/1m) Date: 2023-04-17 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	Level (dBm/1m) Date: 2023-04-17 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Vertical	Fundamental
Peak	Level (dBu/V/m) Date: 2023-04-17 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBu/V/m) Date: 2023-04-17 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH39 2441MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH39 2441MHz	
	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH78 2480MHz	
	Horizontal	Fundamental
Peak	Level (dBuV/m) Date: 2023-04-17 PEAK_BF_74 2460 2463.2465 2467.2469 2471.2473 2475.2477 2479.2481 2483.2485 2487.2489 2491.2493 2495.2497 2500 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BF_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2023-04-17 PEAK_74 2400 2430 2460 2490 2520 2550 2580 2610 2640 2670 2700 2730 2760 2790 2820 2850 2880 2910 2940 2970 3000 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

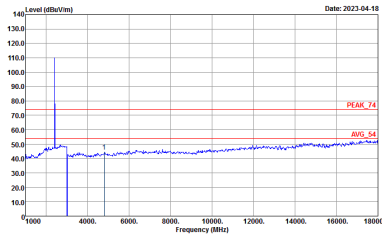
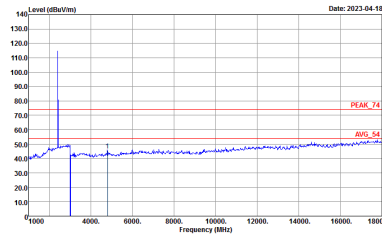


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH78 2480MHz	
	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2023-04-17 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BF_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	Level (dBuV/m) Date: 2023-04-17 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto

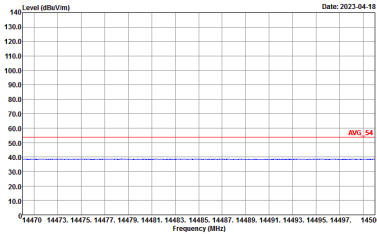
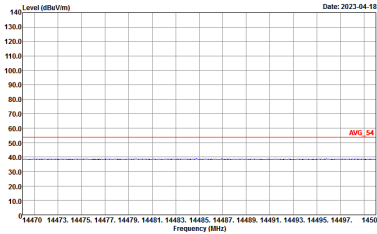
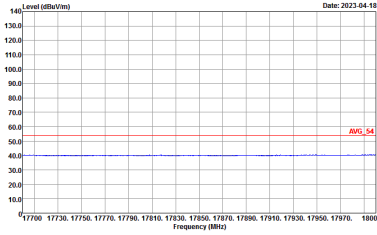
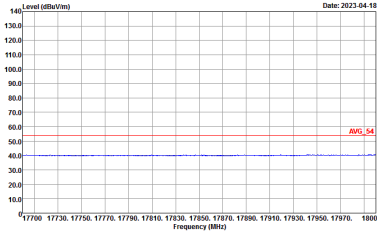


2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH00 2402MHz	
	Horizontal	Vertical
Peak Avg.	 Site : 09CH07-4V Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL :	 Site : 09CH07-4V Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL :



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH00 2402MHz	
	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :
	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH39 2441MHz	
	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-04-18 PEAK_74 Avg_54 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL	Level (dBuV/m) Date: 2023-04-18 PEAK_74 Avg_54 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH39 2441MHz	
	Horizontal	Vertical
14.47G ~14.5G Avg.	Graph showing Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 54 dBuV/m. The plot title is 'Date: 2023-04-18'. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	Graph showing Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 54 dBuV/m. The plot title is 'Date: 2023-04-18'. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :
	Graph showing Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 54 dBuV/m. The plot title is 'Date: 2023-04-18'. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	Graph showing Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 54 dBuV/m. The plot title is 'Date: 2023-04-18'. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-04-18 Site : 03CH07-HY Condition : PEAK_78 3m HF_ANT_00075962 HORIZONTAL :	Level (dBuV/m) Date: 2023-04-18 Site : 03CH07-HY Condition : PEAK_78 3m HF_ANT_00075962 VERTICAL :



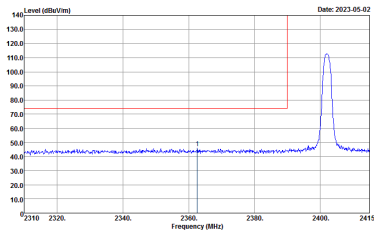
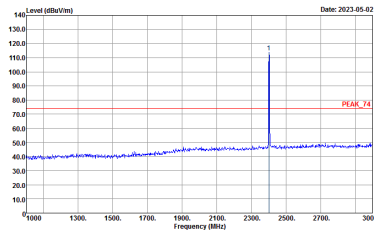
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 14470 to 14500 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m. The x-axis ranges from 14470 to 14500 MHz. A red line labeled 'AVG_54' is at the top of the plot area.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 14470 to 14500 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m. The x-axis ranges from 14470 to 14500 MHz. A red line labeled 'AVG_54' is at the top of the plot area.
	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :
17.7G ~18G Avg	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 17700 to 18000 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m. The x-axis ranges from 17700 to 18000 MHz. A red line labeled 'AVG_54' is at the top of the plot area.	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 17700 to 18000 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m. The x-axis ranges from 17700 to 18000 MHz. A red line labeled 'AVG_54' is at the top of the plot area.
	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL :	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL :



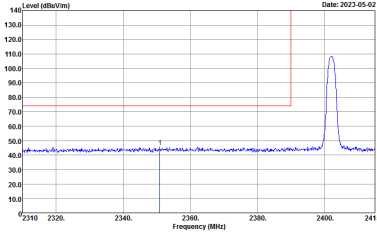
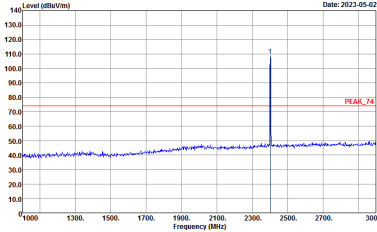
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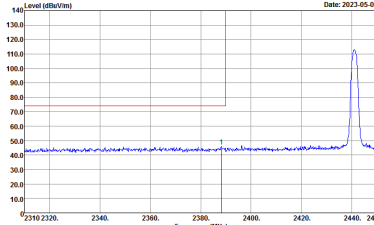
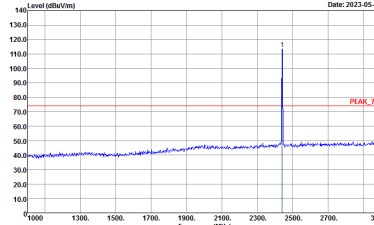
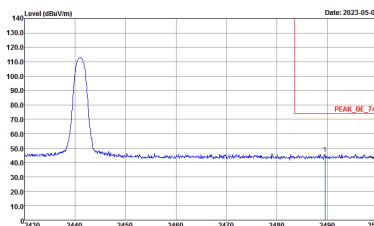
2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
3+4	Horizontal	Fundamental
Peak	 Site : 03CH07-4H Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWTAuto	 Site : 03CH07-4H Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWTAuto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
3+4	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
3+4	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
3+4	Vertical	Fundamental
Peak	Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Peak	Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
3+4	Horizontal	Fundamental
Peak	Level (dBuV/m) Date: 2023-05-02 PEAK_HF_74 Site : 03CH07-HY Condition : PEAK_HF_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2023-05-02 PEAK_F4 Site : 03CH07-HY Condition : PEAK_F4 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

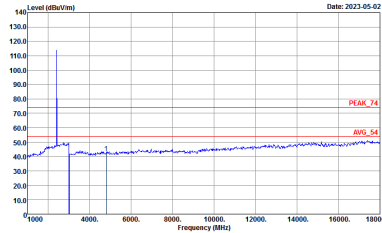
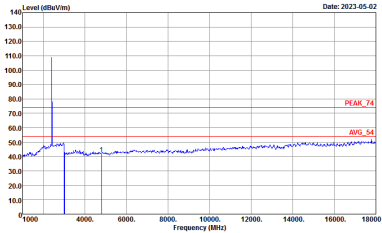


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
3+4	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2023-05-02 PEAK_BF_74 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BF_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2023-05-02 PEAK_74 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



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.	 Site : 03CH07-4V Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL :	 Site : 03CH07-4V Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL :

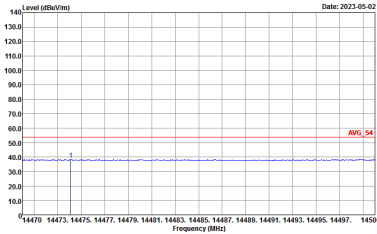
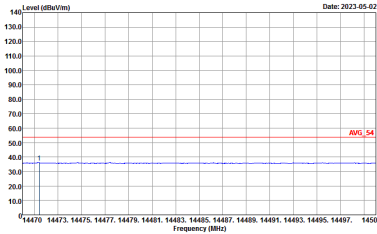
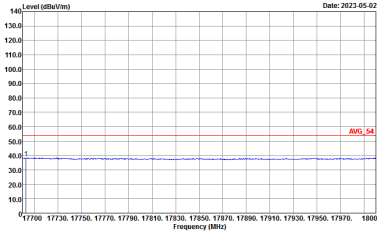
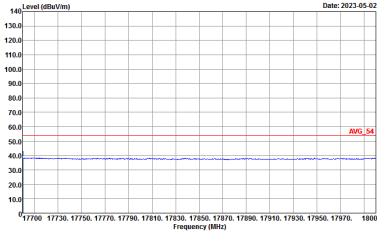


BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH00 2402MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL 1.	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL 1.
	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL 1.	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL 1.



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
3+4	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-05-02 PEAK_74 AVG_54 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL	Level (dBuV/m) Date: 2023-05-02 PEAK_74 AVG_54 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL 1.	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL 1.
	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL 1.	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL 1.



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH78 2480MHz	
3+4	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-05-02 PEAK_74 Avg_54 Site : 03CH07-HY Condition : PEAK_78 3m HF_ANT_00075962 HORIZONTAL	Level (dBuV/m) Date: 2023-05-02 PEAK_74 Avg_54 Site : 03CH07-HY Condition : PEAK_78 3m HF_ANT_00075962 VERTICAL

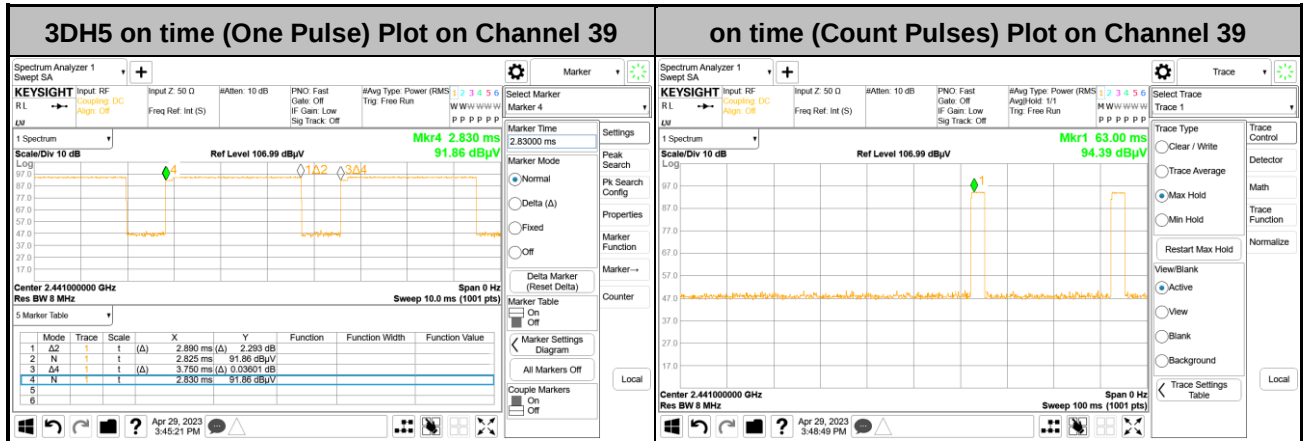


BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH78 2480MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL 1.	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL 1.
	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL 1.	Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL 1.



Appendix E. Duty Cycle Plots

<BR+EDR Ant. 3>



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 3DH5 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. $[100 \text{ ms} / 57.8 \text{ ms}] = 2 \text{ hops}$

Thus, the maximum possible ON time:

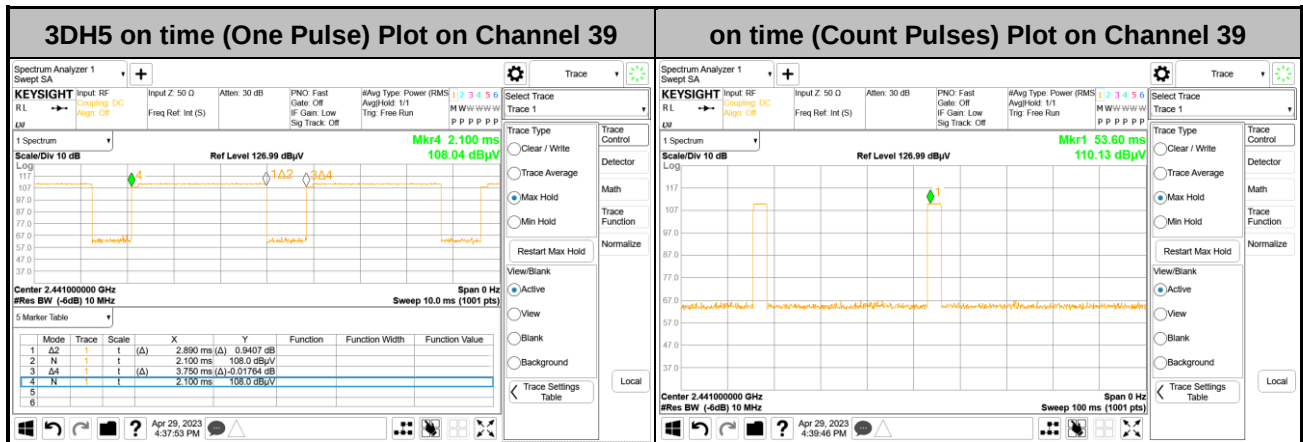
$$2.89 \text{ ms} \times 2 = 5.78 \text{ ms}$$

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

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



<BR+EDR Ant. 4>



Note:

1. Worst case Duty cycle = on time/100 milliseconds = $2 \times 2.89 / 100 = 5.78 \%$
2. Worst case Duty cycle correction factor = $20 \times \log(\text{Duty cycle}) = -24.76 \text{ dB}$
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 3DH5 packet completing one hopping sequence is

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

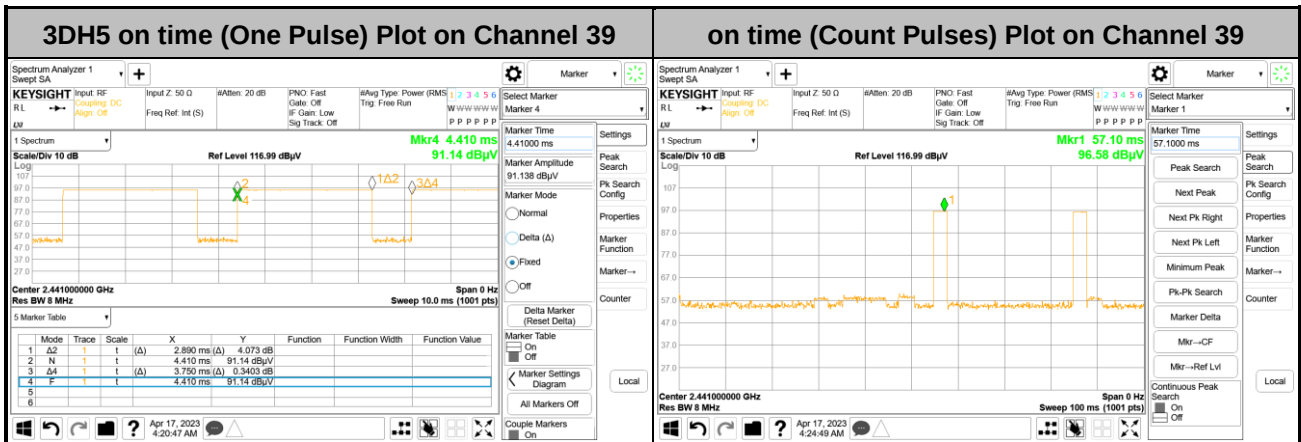
There cannot be 2 complete hopping sequences within 100ms period, considering the random hopping behavior, maximum 2 hops can be possibly observed within the period. $[100 \text{ ms} / 57.8 \text{ ms}] = 2 \text{ hops}$

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,

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

<BR+EDR Ant. 3+4>

Note:

1. Worst case Duty cycle = on time/100 milliseconds = $2 \times 2.89 / 100 = 5.78 \%$
2. Worst case Duty cycle correction factor = $20 \times \log(\text{Duty cycle}) = -24.76 \text{ dB}$
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 3DH5 packet completing one hopping sequence is

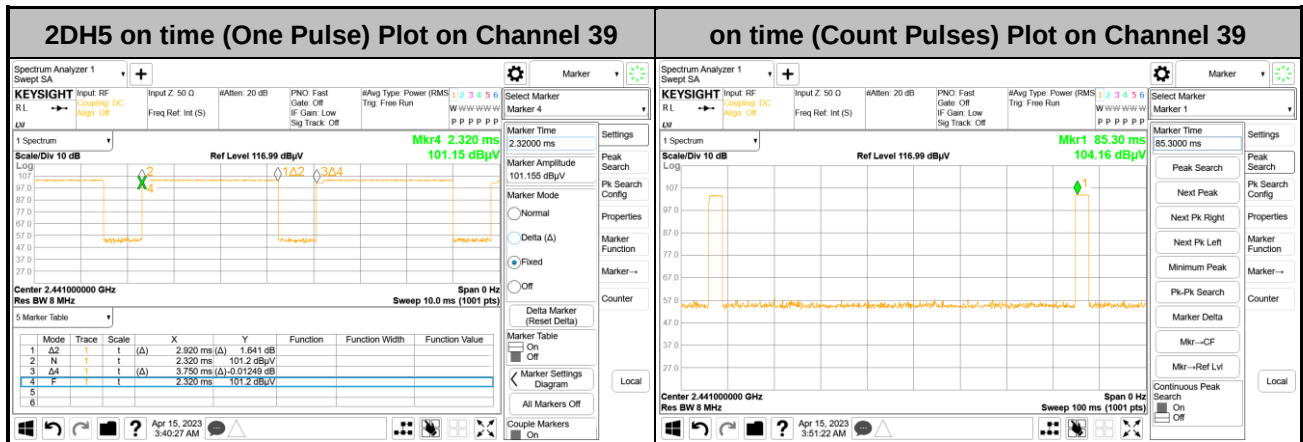
$$2.89 \text{ ms} \times 20 \text{ channels} = 57.8 \text{ ms}$$

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. $[100 \text{ ms} / 57.8 \text{ ms}] = 2 \text{ hops}$
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 = $2 \times 2.92 / 100 = 5.84 \%$
2. Worst case Duty cycle correction factor = $20 \times \log(\text{Duty cycle}) = -24.67 \text{ dB}$
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

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

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. $[100 \text{ ms} / 57.8 \text{ ms}] = 2 \text{ hops}$

Thus, the maximum possible ON time:

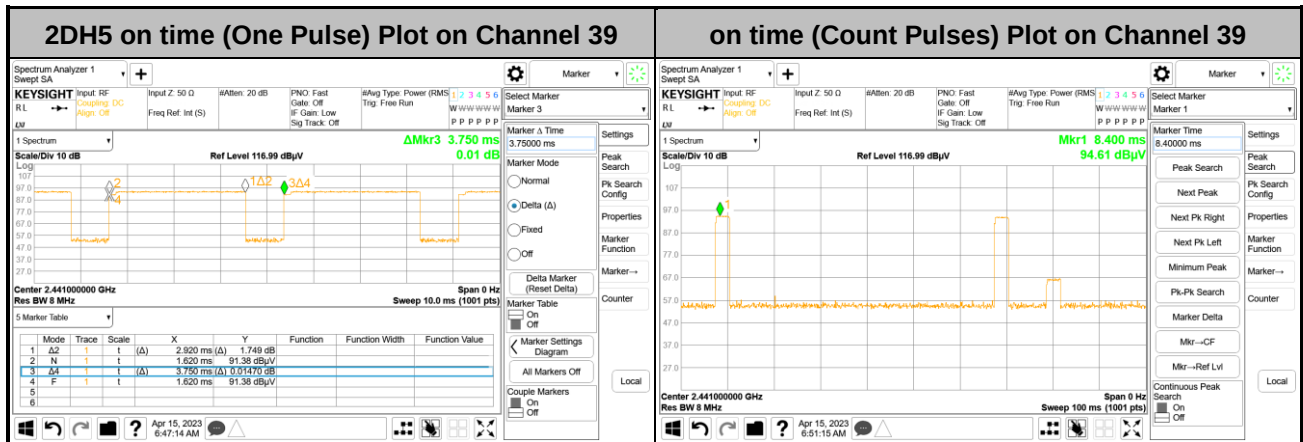
$$2.92 \text{ ms} \times 2 = 5.84 \text{ ms}$$

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 = $2 \times 2.92 / 100 = 5.84 \%$
2. Worst case Duty cycle correction factor = $20 \times \log(\text{Duty cycle}) = -24.67 \text{ dB}$
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

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

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. $[100 \text{ ms} / 57.8 \text{ ms}] = 2 \text{ hops}$

Thus, the maximum possible ON time:

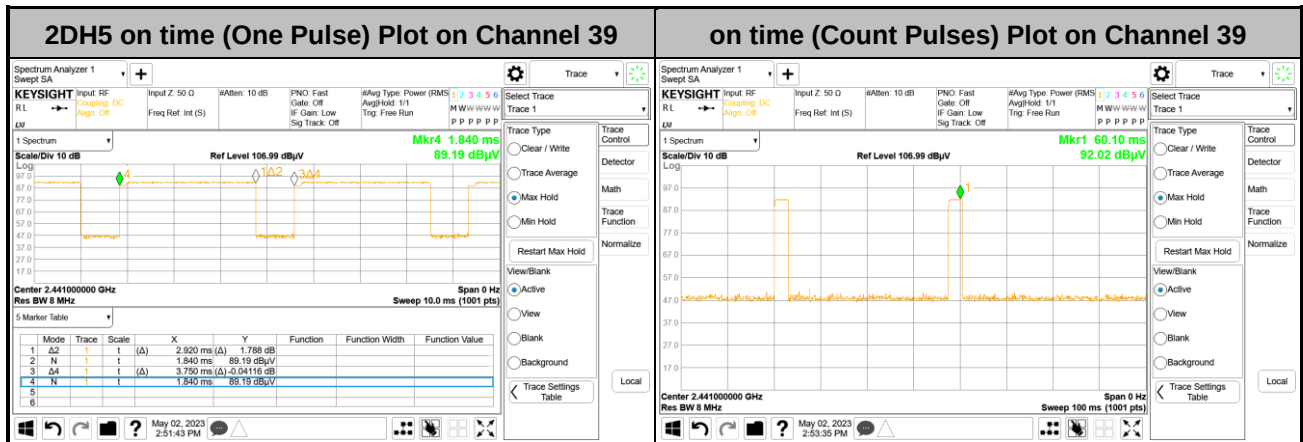
$$2.92 \text{ ms} \times 2 = 5.84 \text{ ms}$$

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>



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—————THE END—————