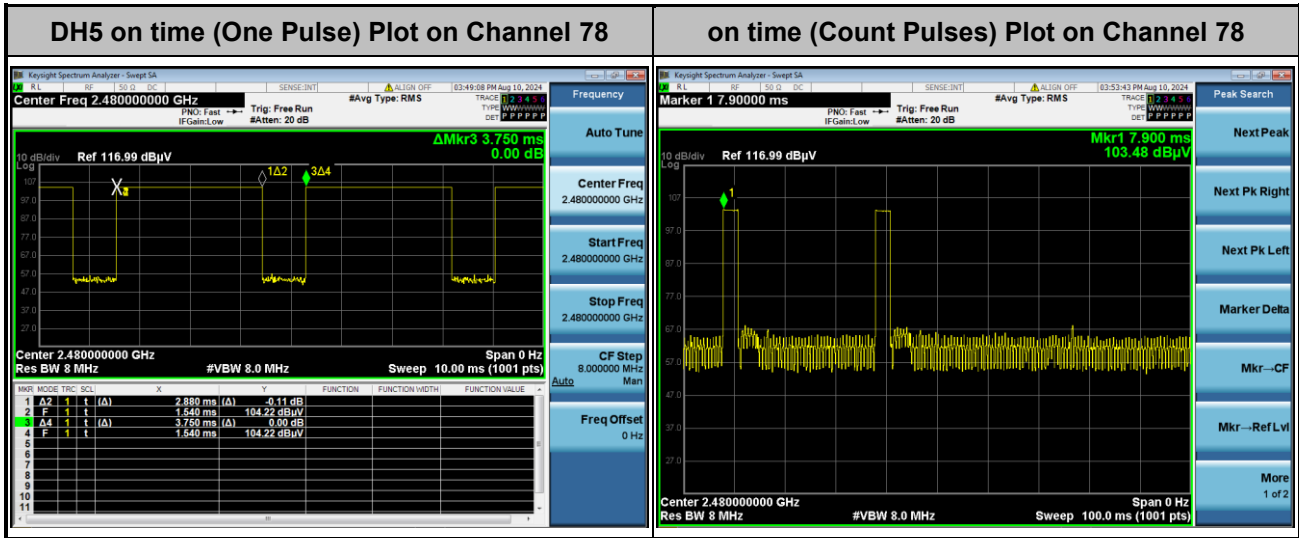| Mode	4
	LF
	2400-2483.5_Bluetooth BR_GSFK_CH78_2480MHz
ANT	1

Pol.	Horizontal	Vertical
QP/ Peak		

Site : 03CH11-HY
Condition: QP 3m Bilog_35414_231007 HORIZONTAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	30.00	31.37	40.00	-8.63	39.16	24.00	0.50	32.46	0.17	--	--	Peak
2	208.48	25.89	43.50	-17.61	41.28	15.01	1.72	32.33	0.21	--	--	Peak
3	229.82	25.16	46.00	-20.84	39.40	15.97	1.83	32.24	0.20	--	--	Peak
4	330.70	23.87	46.00	-22.13	33.39	19.63	2.28	31.68	0.25	--	--	Peak
5	718.70	29.26	46.00	-16.74	30.21	26.89	3.49	31.64	0.31	--	--	Peak
6	953.44	32.01	46.00	-13.99	27.64	30.78	4.08	30.96	0.47	--	--	Peak

Site : 03CH11-HY
Condition: QP 3m Bilog_35414_231007 VERTICAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	39.70	31.83	40.00	-8.17	43.88	19.64	0.50	32.33	0.14	100	333	QP
2	159.98	26.61	43.50	-16.89	40.88	16.22	1.44	32.18	0.25	--	--	Peak
3	229.82	21.58	46.00	-24.42	35.82	15.97	1.83	32.24	0.20	--	--	Peak
4	459.71	24.88	46.00	-21.12	30.77	23.12	2.73	31.97	0.23	--	--	Peak
5	749.74	31.00	46.00	-15.00	30.64	27.99	3.57	31.53	0.33	--	--	Peak
6	959.26	33.54	46.00	-12.46	28.91	30.96	4.10	30.89	0.46	--	--	Peak

Mode	27
	SHF
	2400-2483.5_Bluetooth BR_GSFK_CH78_2480MHz

ANT	1

Pol.	Horizontal	Vertical
Peak	Site : 03CH11-HY Condition: PEAK_74 1m SHF_00993_231124 HORIZONTAL	Site : 03CH11-HY Condition: PEAK_74 1m SHF_00993_231124 VERTICAL

Horizontal:

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	24752.34	40.53	74.00	-33.47	35.90	39.10	28.07	53.00	-9.54	--	--	PEAK

Vertical:

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	24575.44	39.36	74.00	-34.64	35.06	39.10	27.81	53.07	-9.54	--	--	PEAK

Appendix D.   Duty Cycle Plots

DH5 on time (One Pulse) Plot on Channel 78	on time (Count Pulses) Plot on Channel 78

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.   **DH5** has the highest duty cycle worst case and is reported.

Duty Cycle Correction Factor Consideration for AFH mode:

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

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

2.88 ms x 20 channels = 57.6 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 ms x 2 = 5.76 ms

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

20 x log(5.76 ms/100 ms) = -24.79 dB