



Appendix C Radiated Spurious Emission Test Data

Test Engineer :	Shunping You	Relative Humidity :	48~49%
		Temperature :	24-25℃

Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	2400-2483.5	22	Bluetooth BR_GFSK	00	2402	1DH5	-	-
Mode 2	2400-2483.5	22	Bluetooth BR_GFSK	39	2441	1DH5	-	-
Mode 3	2400-2483.5	22	Bluetooth BR_GFSK	78	2480	1DH5	-	-
Mode 4	2400-2483.5	22	Bluetooth BR_GFSK	78	2480	1DH5	-	LF

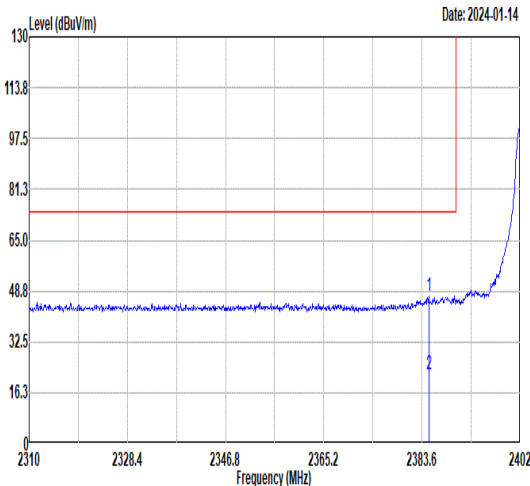
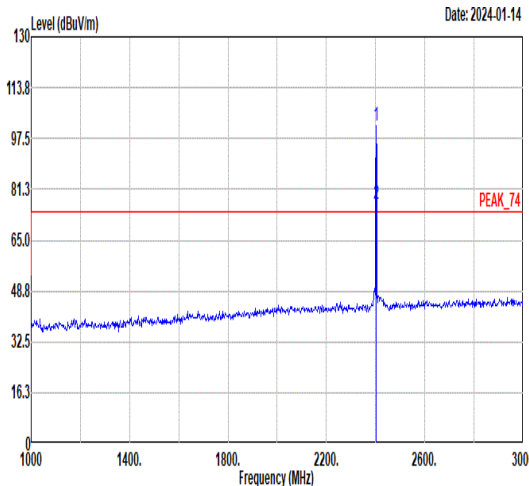
Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	Bluetooth BR_GFSK	00	2388.84	47.13	74.00	-26.87	H	PEAK	Pass	Band Edge
1	Bluetooth BR_GFSK	00	4804.00	42.08	74.00	-31.92	H	Peak	Pass	Harmonic
2	Bluetooth BR_GFSK	39	-	-	-	-	-	-	-	Band Edge
2	Bluetooth BR_GFSK	39	7323.00	44.37	74.00	-29.63	H	Peak	Pass	Harmonic
3	Bluetooth BR_GFSK	78	2483.54	61.49	74.00	-12.51	H	PEAK	Pass	Band Edge
3	Bluetooth BR_GFSK	78	7440.00	44.25	74.00	-29.75	H	Peak	Pass	Harmonic
4	Bluetooth BR_GFSK	78	33.88	26.2	40	-13.8	V	Peak	Pass	LF



Mode	1	
	Band Edge	
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz	
ANT	22	
Pol.	Horizontal	Fundamental
Peak	</	

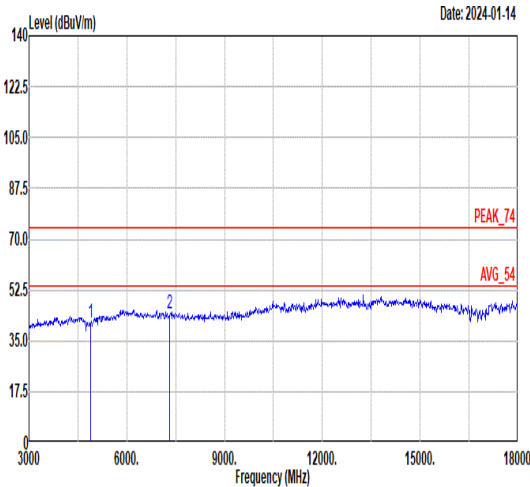
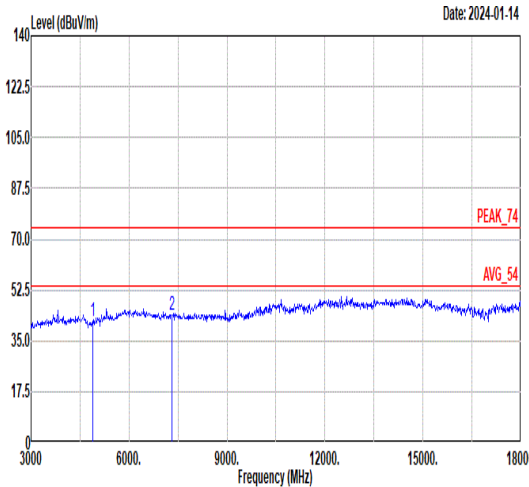


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Pol.	Horizontal										Vertical																																																																																						
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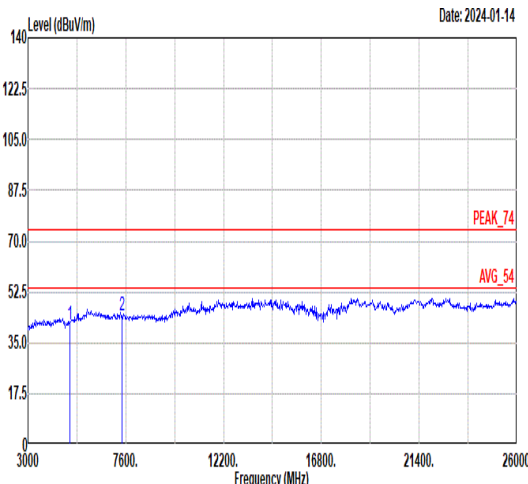
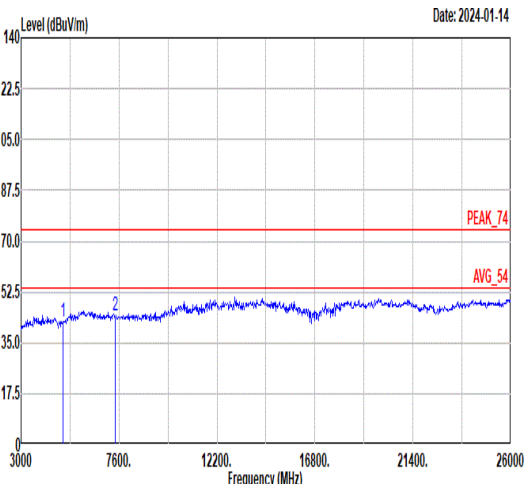


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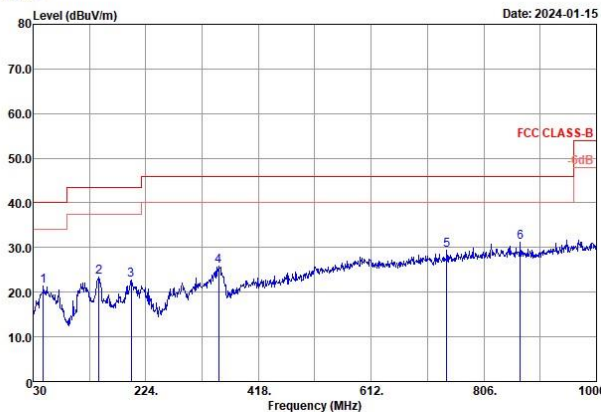
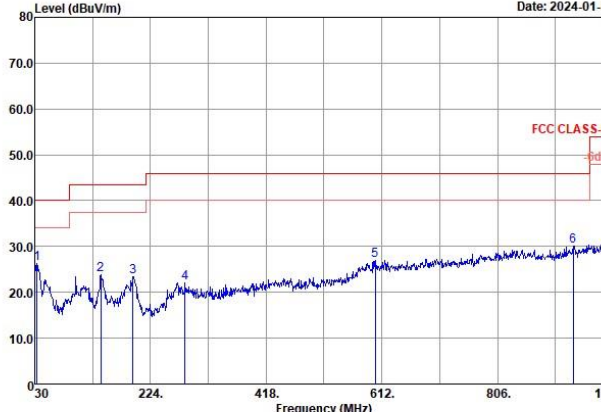


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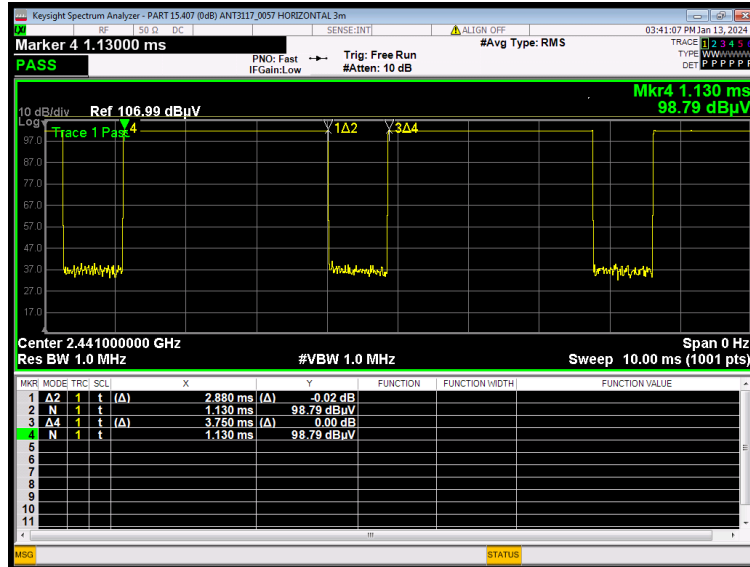
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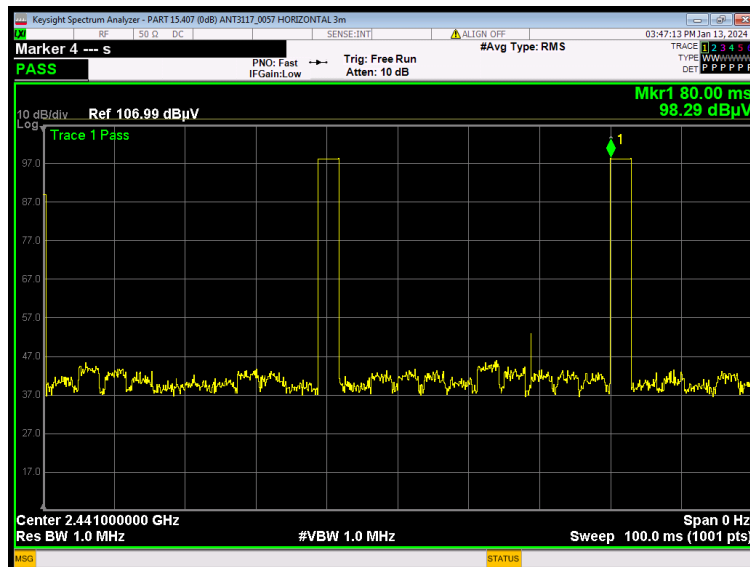
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Appendix D. Duty Cycle Plots

DH5 on time (One Pulse) Plot on Channel 39



DH5 on time (Count Pulses) Plot on Channel 39



Note:

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