



Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Carry Xu	Relative Humidity :	41 ~ 42 %
		Temperature :	22 ~ 23 °C

Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Modulation	Channel	Frequency	Data Rate	Remark
Mode 1	2400-2483.5	Bluetooth BR_GFSK	00	2402	1Mbps	-
Mode 2	2400-2483.5	Bluetooth BR_GFSK	39	2441	1Mbps	-
Mode 3	2400-2483.5	Bluetooth BR_GFSK	78	2480	1Mbps	-
Mode 4	2400-2483.5	Bluetooth BR_GFSK	78	2480	1Mbps	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	2389.95	51.21	74.00	-22.79	H	PEAK	Pass	Band Edge
	Bluetooth BR_GFSK	00	4804.00	45.11	74.00	-28.89	H	PEAK	Pass	Harmonic
2	Bluetooth BR_GFSK	39	-	-	-	-	-	-	-	Band Edge
	Bluetooth BR_GFSK	39	4882.00	43.62	74.00	-30.38	H	PEAK	Pass	Harmonic
3	Bluetooth BR_GFSK	78	2484.01	64.05	74.00	-9.95	H	PEAK	Pass	Band Edge
	Bluetooth BR_GFSK	78	4960	45.27	74	-28.73	H	PEAK	Pass	Harmonic
4	Bluetooth BR_GFSK	78	62.01	34.72	40.00	-5.28	V	Peak	Pass	LF



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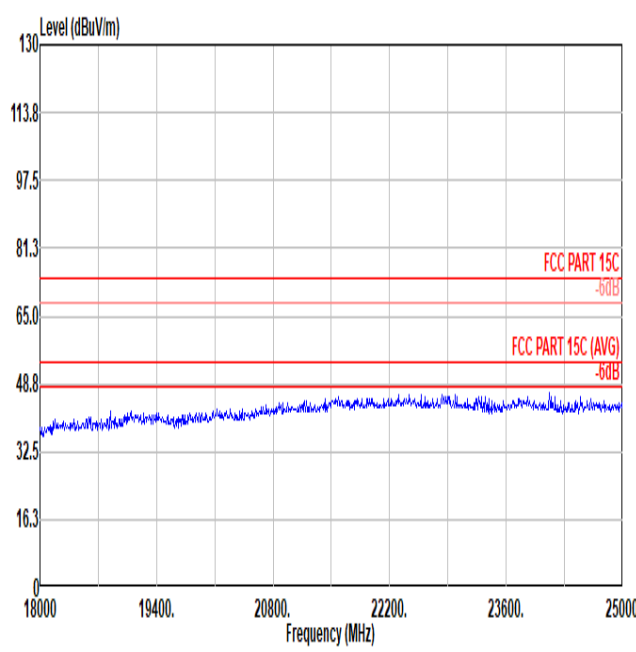
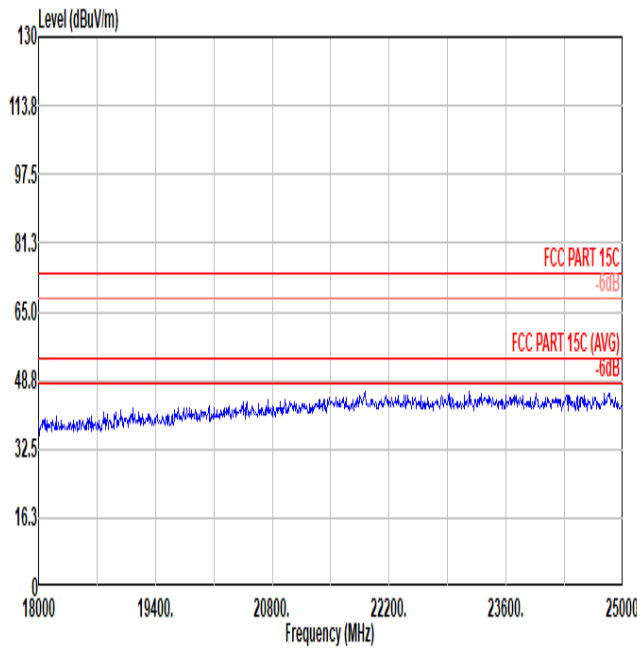


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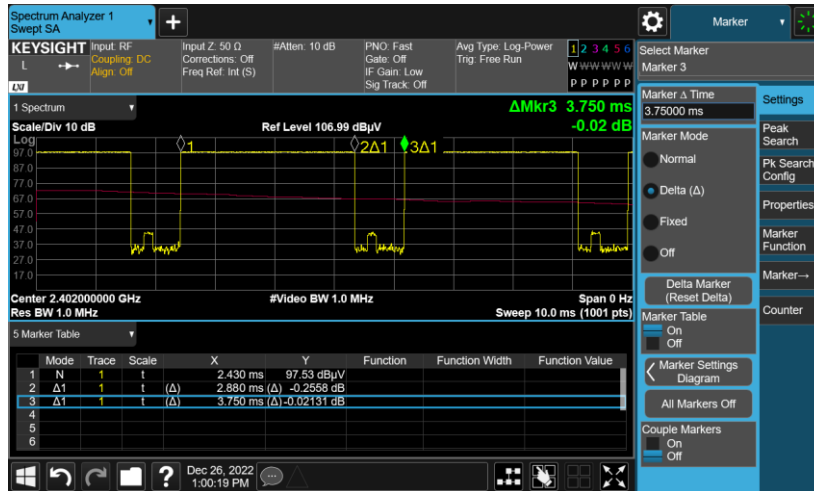
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Peak Avg		



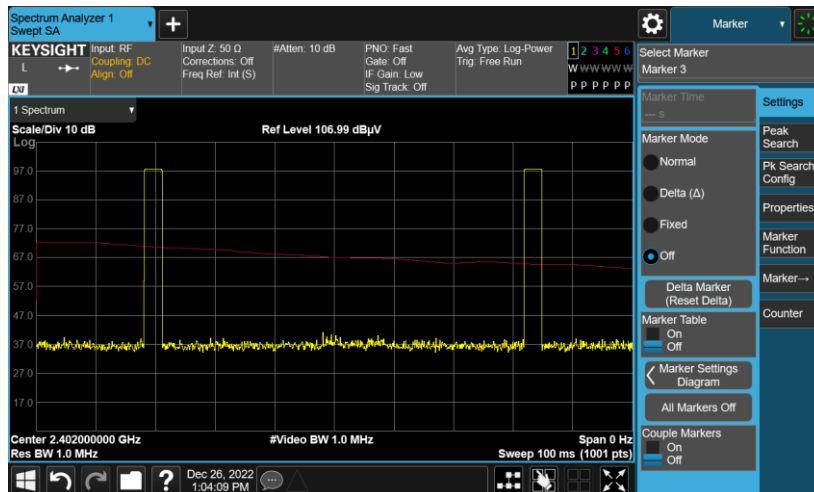
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Appendix D. Duty Cycle Plots

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.