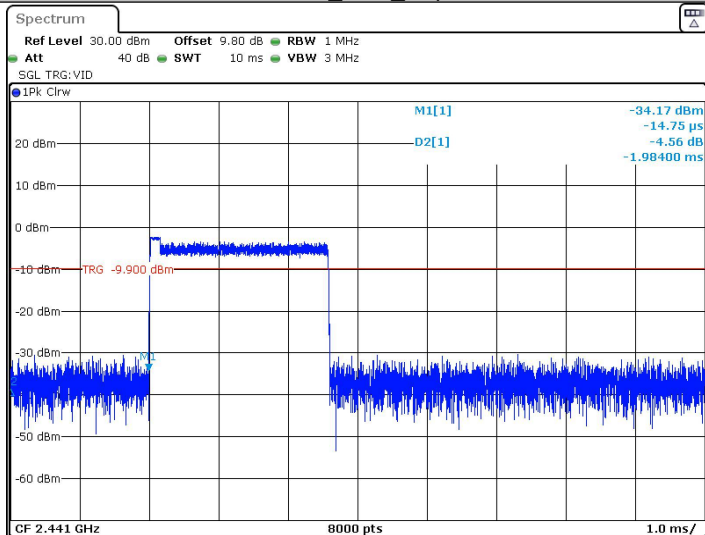
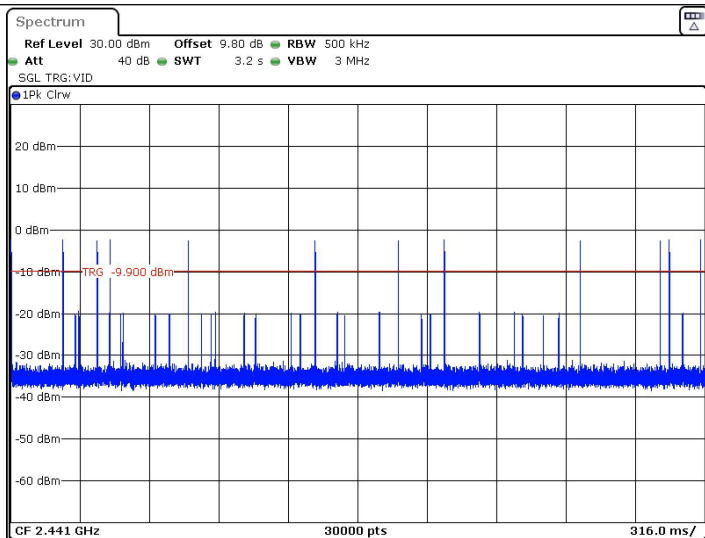


3DH5_Ant1_Hop

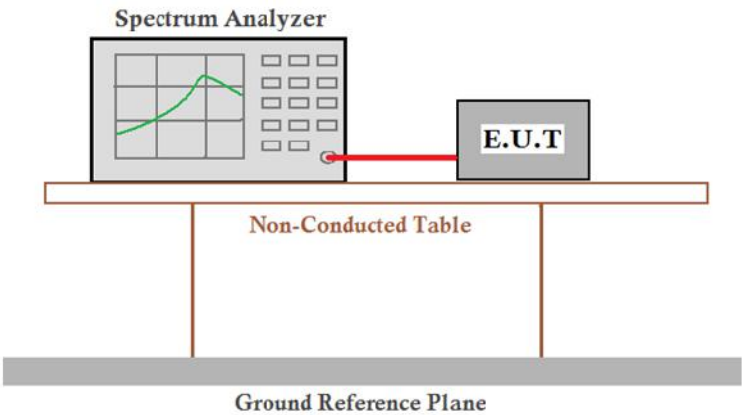


Date: 9 FEB. 2022 08:31:40



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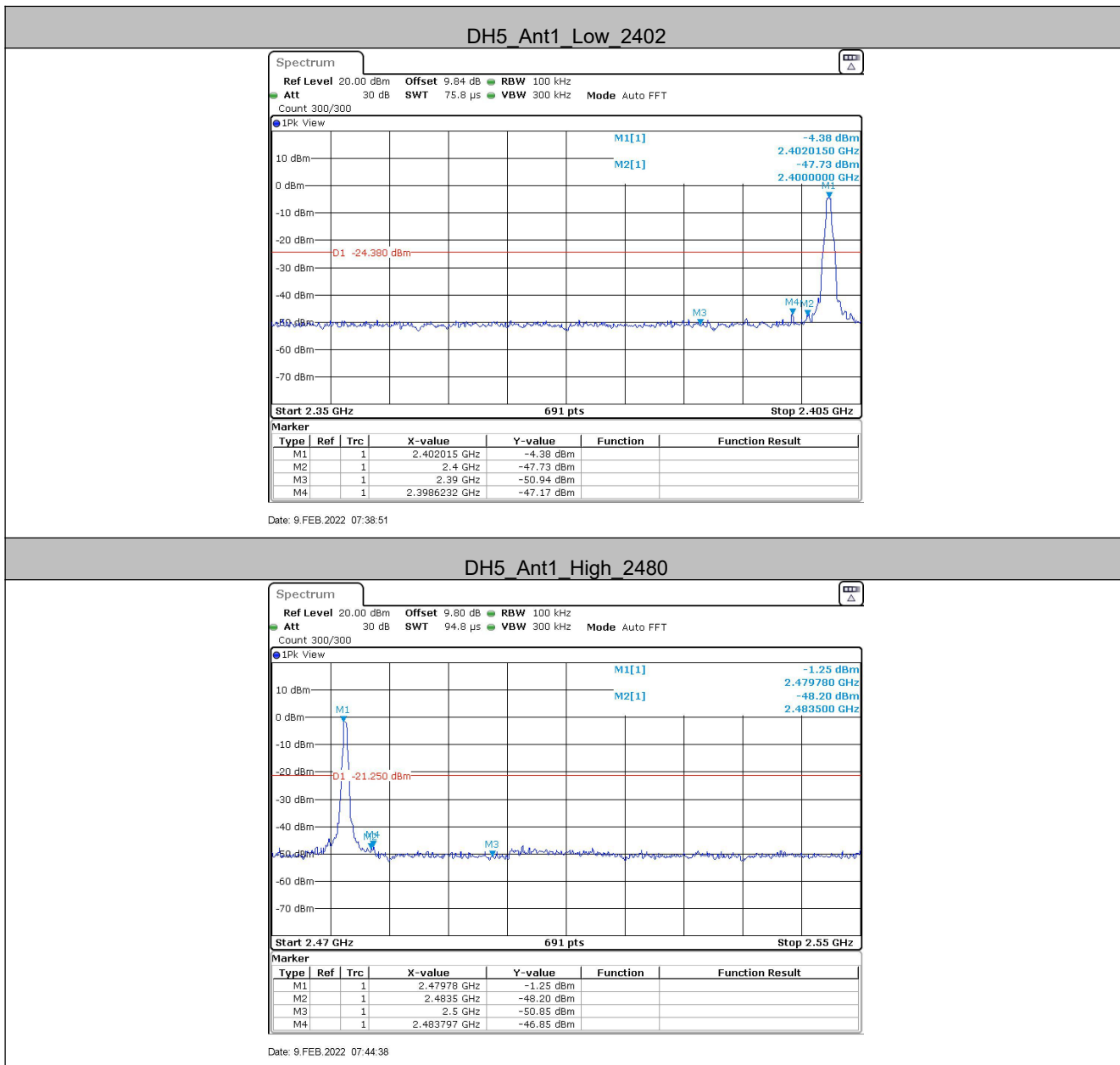
5.8 Band-edge for RF Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10:2013
Test Setup:	 <i>Remark: Offset=cable loss+ attenuation factor.</i>
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Exploratory Test Mode:	Hopping and Non-hopping transmitting with all kind of modulation and all kind of data type
Final Test Mode:	Through Pre-scan, find the DH5 of data type is the worst case of GFSK modulation type, 2-DH5 of data type is the worst case of $\pi/4$ DQPSK modulation type, 3-DH5 of data type is the worst case of 8DPSK modulation type. Only the worst case is recorded in the report.
Test Results:	Pass

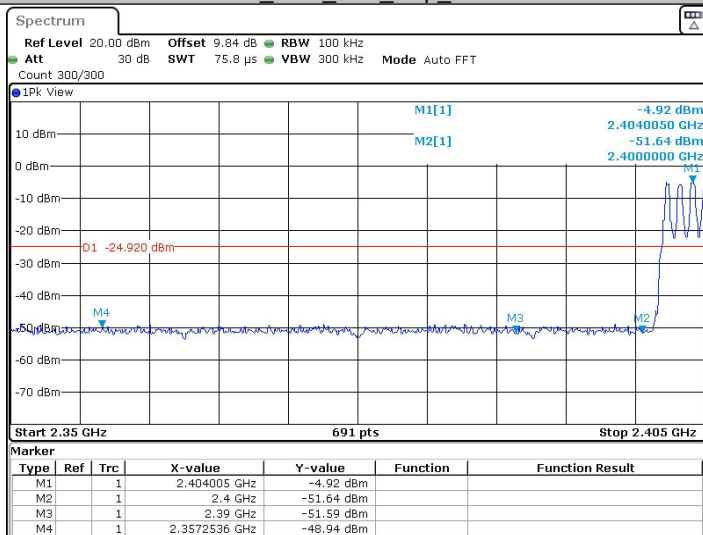
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.38	-47.17	≤ -24.38	PASS
		High	2480	-1.25	-46.85	≤ -21.25	PASS
		Low	Hop_2402	-4.92	-48.94	≤ -24.92	PASS
		High	Hop_2480	-1.81	-47.15	≤ -21.81	PASS
2DH5	Ant1	Low	2402	-4.36	-47.2	≤ -24.36	PASS
		High	2480	-1.68	-47.28	≤ -21.68	PASS
		Low	Hop_2402	-6.48	-48.69	≤ -26.48	PASS
		High	Hop_2480	-1.89	-47.47	≤ -21.89	PASS
3DH5	Ant1	Low	2402	-4.31	-46.75	≤ -24.31	PASS
		High	2480	-1.28	-45.95	≤ -21.28	PASS
		Low	Hop_2402	-4.34	-48.57	≤ -24.34	PASS
		High	Hop_2480	-1.29	-46.57	≤ -21.29	PASS

Test Graphs

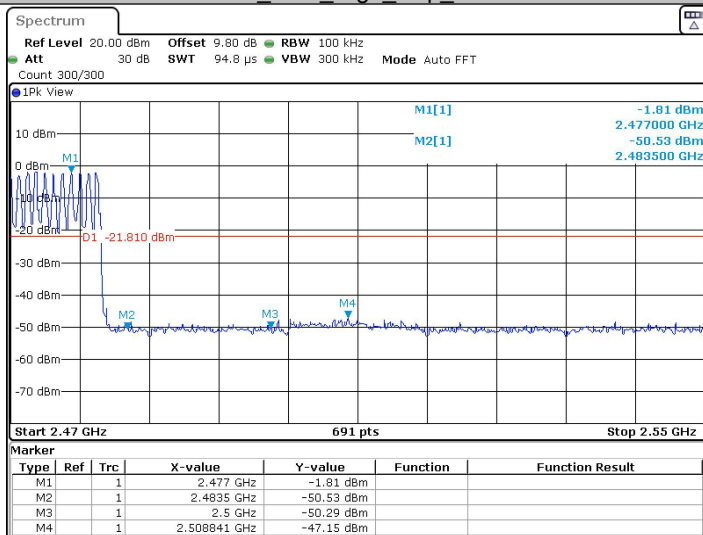


DH5_Ant1_Low_Hop_2402



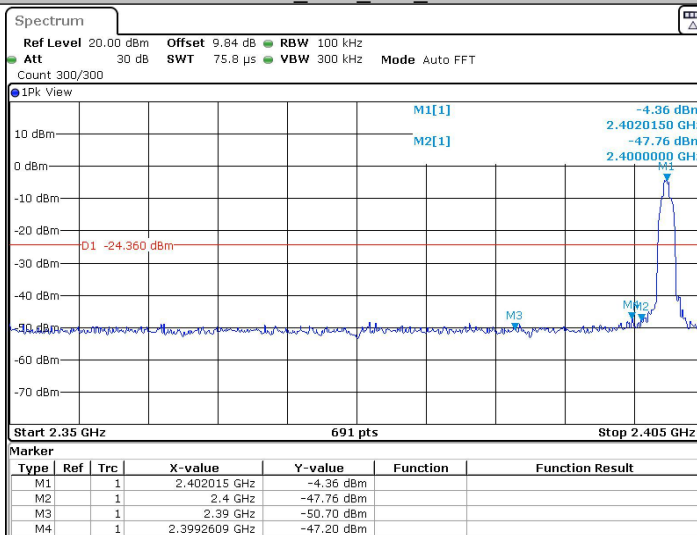
Date: 9.FEB.2022 08:02:01

DH5_Ant1_High_Hop_2480



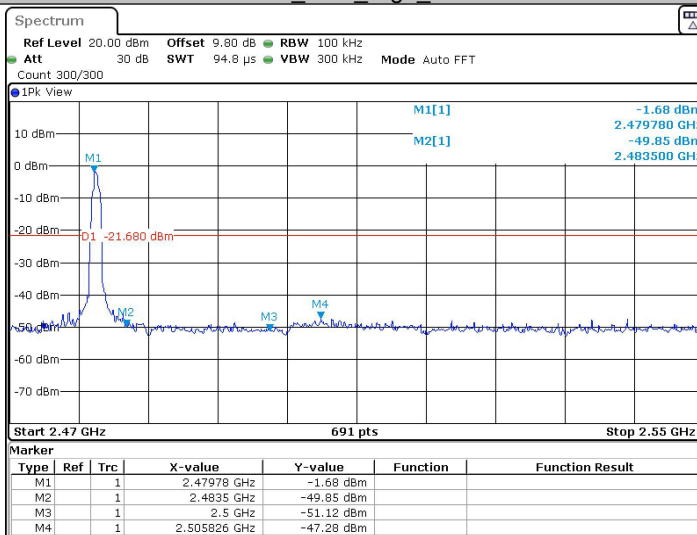
Date: 9.FEB.2022 08:13:38

2DH5_Ant1_Low_2402



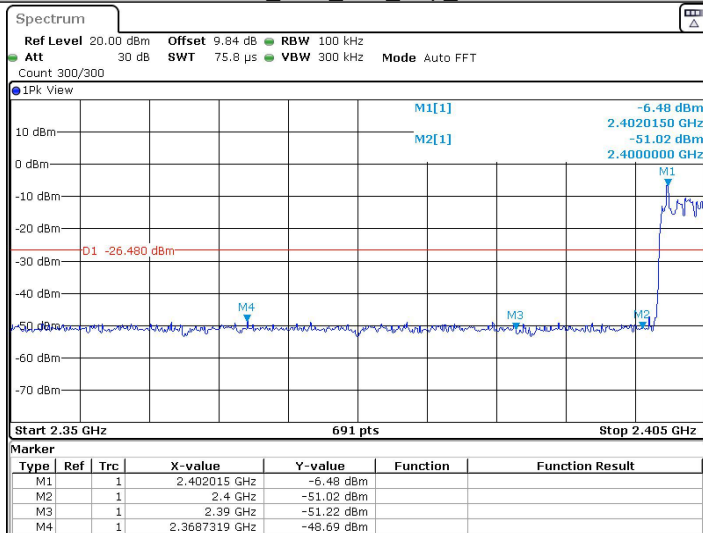
Date: 9.FEB.2022 07:47:51

2DH5_Ant1_High_2480



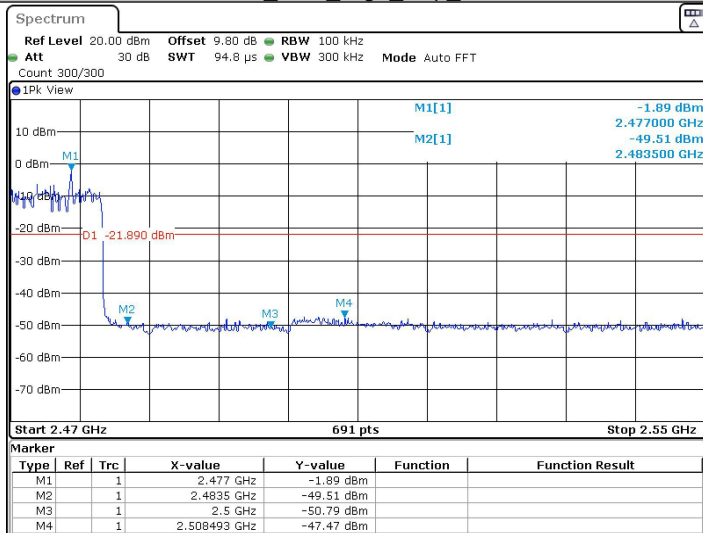
Date: 9.FEB.2022 07:52:08

2DH5_Ant1_Low_Hop_2402



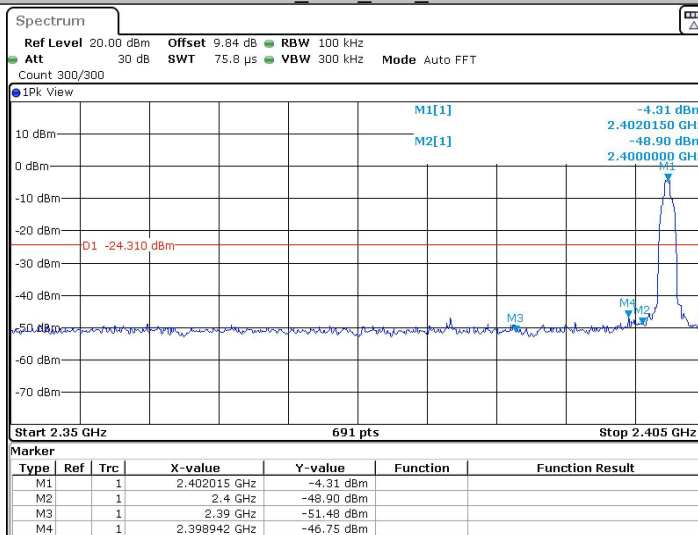
Date: 9.FEB.2022 08:15:51

2DH5_Ant1_High_Hop_2480



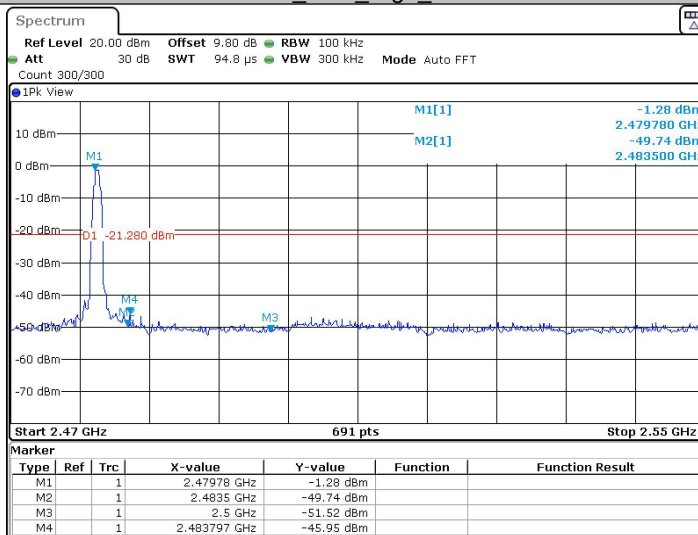
Date: 9.FEB.2022 08:28:09

3DH5_Ant1_Low_2402



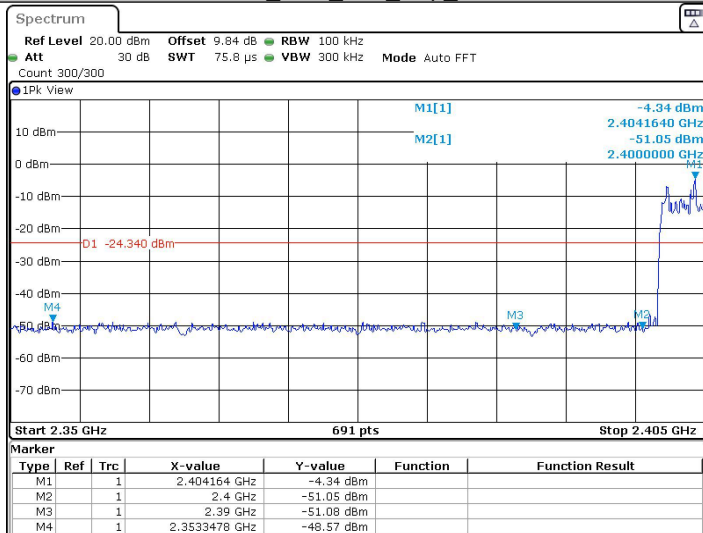
Date: 9.FEB.2022 07:54:58

3DH5_Ant1_High_2480



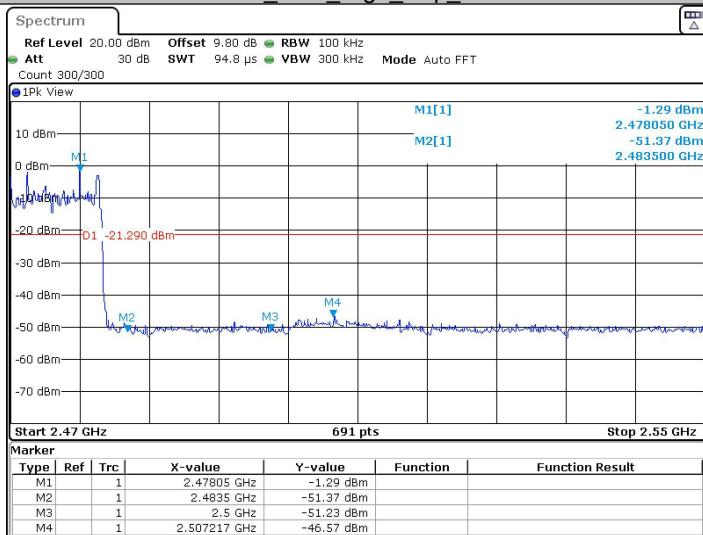
Date: 9.FEB.2022 07:59:45

3DH5_Ant1_Low_Hop_2402



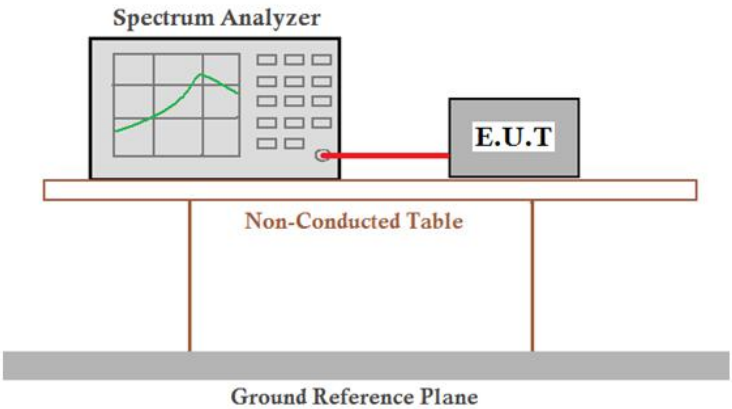
Date: 9.FEB.2022 08:29:17

3DH5_Ant1_High_Hop_2480



Date: 9.FEB.2022 08:35:22

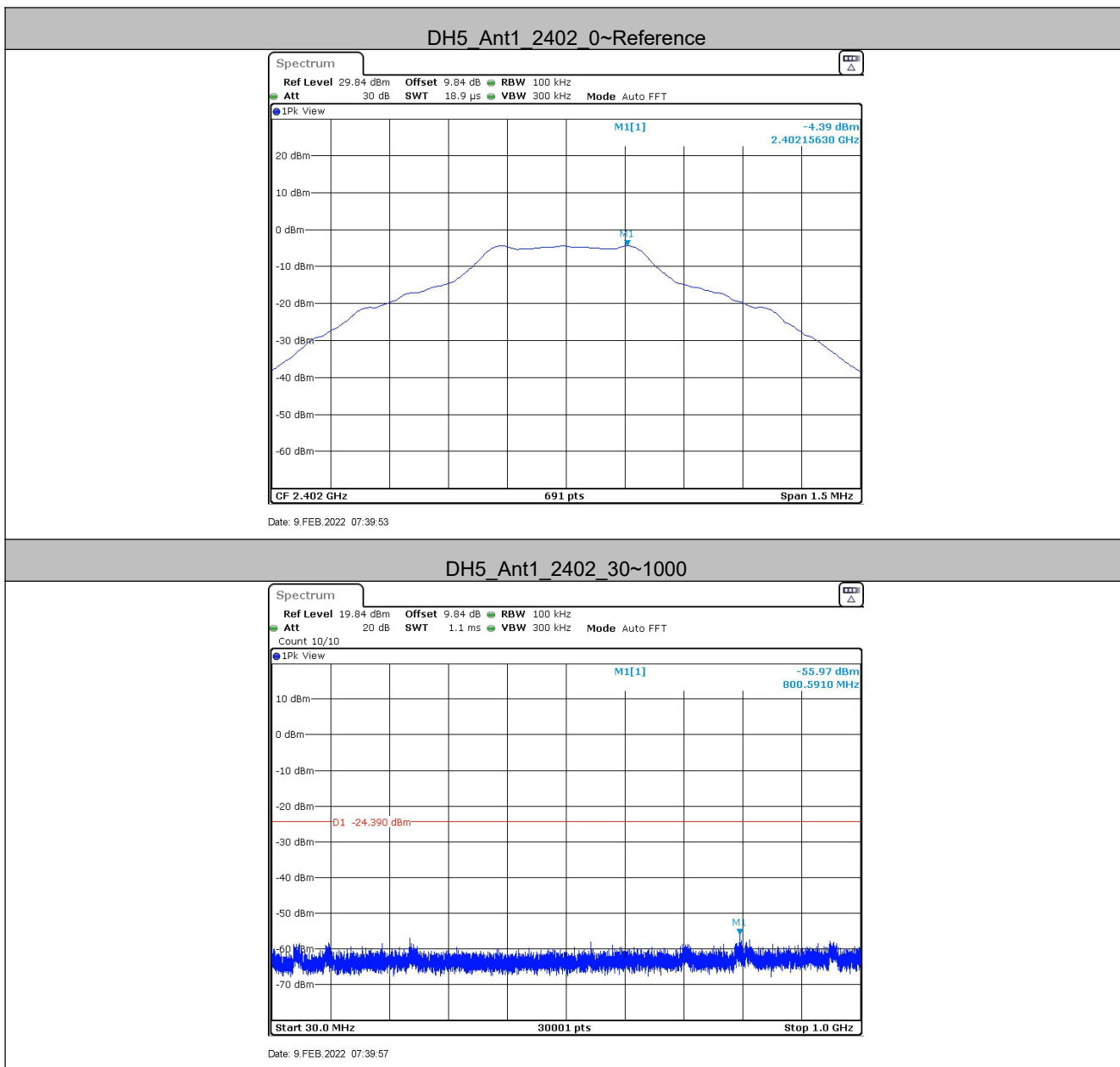
5.9 Spurious RF Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10:2013
Test Setup:	 <i>Remark: Offset=cable loss+ attenuation factor.</i>
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Exploratory Test Mode:	Non-hopping transmitting with all kind of modulation and all kind of data type
Final Test Mode:	Through Pre-scan, find the DH5 of data type is the worst case of GFSK modulation type, 2-DH5 of data type is the worst case of $\pi/4$ DQPSK modulation type, 3-DH5 of data type is the worst case of 8DPSK modulation type.
Test Results:	Pass

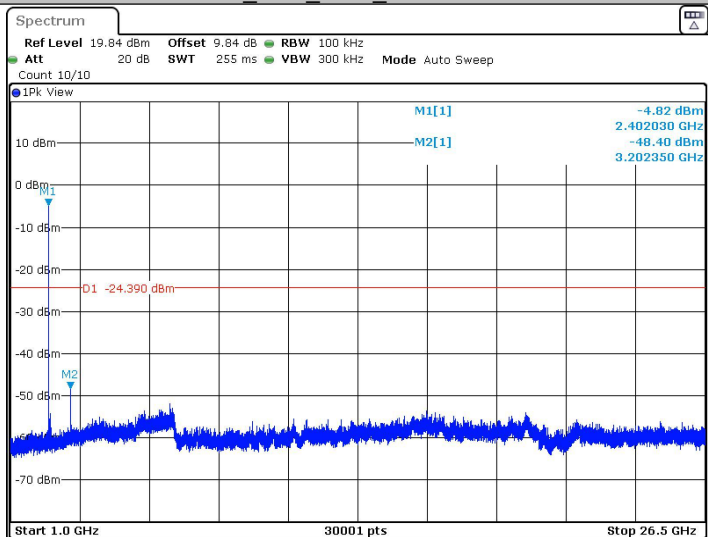
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.39	-4.39	---	PASS
			30~1000	-4.39	-55.97	≤ -24.39	PASS
			1000~26500	-4.39	-48.4	≤ -24.39	PASS
		2441	Reference	-2.57	-2.57	---	PASS
			30~1000	-2.57	-56.38	≤ -22.57	PASS
			1000~26500	-2.57	-49.19	≤ -22.57	PASS
		2480	Reference	-1.30	-1.30	---	PASS
			30~1000	-1.30	-56.71	≤ -21.3	PASS
			1000~26500	-1.30	-49.64	≤ -21.3	PASS
2DH5	Ant1	2402	Reference	-4.38	-4.38	---	PASS
			30~1000	-4.38	-56.17	≤ -24.38	PASS
			1000~26500	-4.38	-48.97	≤ -24.38	PASS
		2441	Reference	-2.60	-2.60	---	PASS
			30~1000	-2.60	-57.17	≤ -22.6	PASS
			1000~26500	-2.60	-48.74	≤ -22.6	PASS
		2480	Reference	-1.30	-1.30	---	PASS
			30~1000	-1.30	-56.11	≤ -21.3	PASS
			1000~26500	-1.30	-49.04	≤ -21.3	PASS
3DH5	Ant1	2402	Reference	-4.35	-4.35	---	PASS
			30~1000	-4.35	-56.86	≤ -24.35	PASS
			1000~26500	-4.35	-48.97	≤ -24.35	PASS
		2441	Reference	-2.60	-2.60	---	PASS
			30~1000	-2.60	-56.64	≤ -22.6	PASS
			1000~26500	-2.60	-48.63	≤ -22.6	PASS
		2480	Reference	-1.29	-1.29	---	PASS
			30~1000	-1.29	-56.99	≤ -21.29	PASS
			1000~26500	-1.29	-48.9	≤ -21.29	PASS

Test Graphs

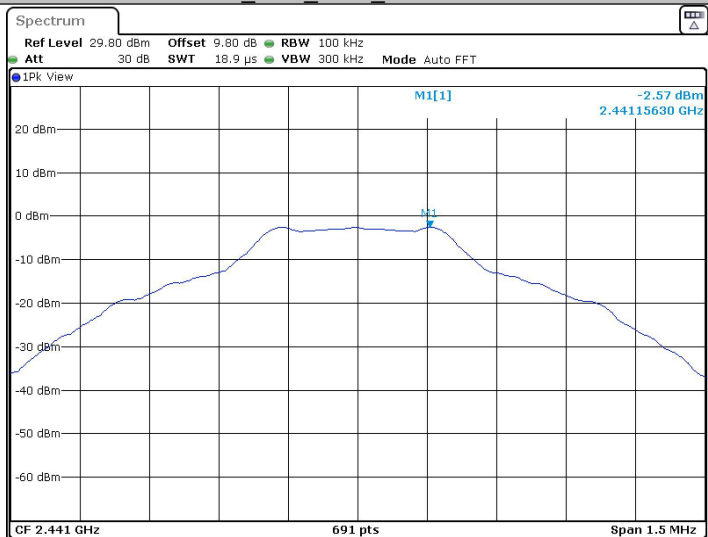


DH5_Ant1_2402_1000~26500



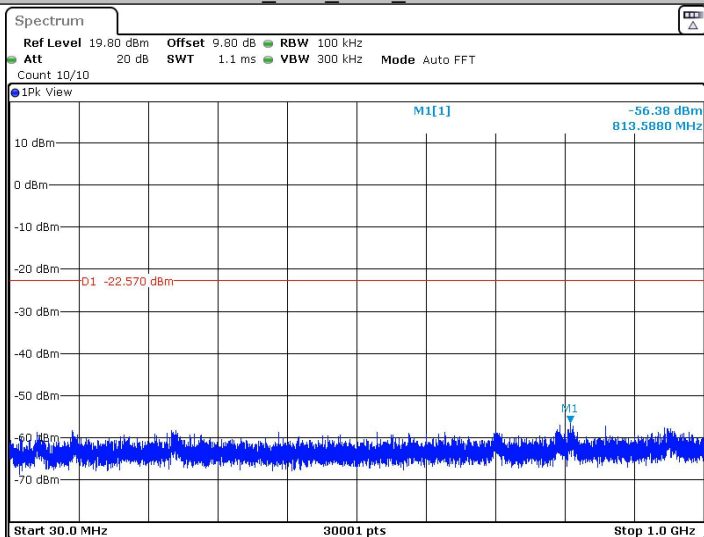
Date: 9.FEB.2022 07:40:19

DH5_Ant1_2441_0~Reference



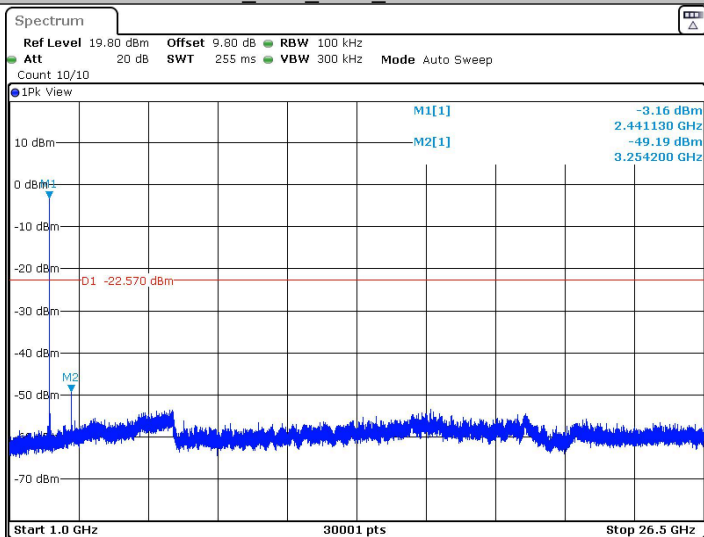
Date: 9.FEB.2022 07:41:51

DH5_Ant1_2441_30~1000



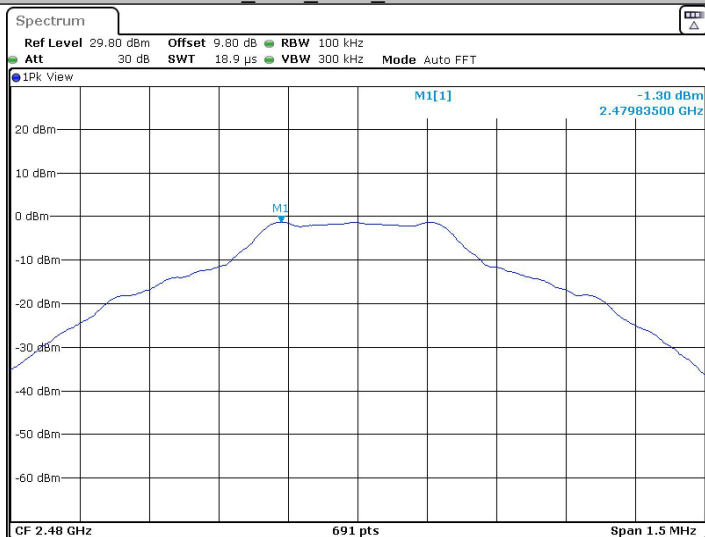
Date: 9.FEB.2022 07:41:55

DH5_Ant1_2441_1000~26500



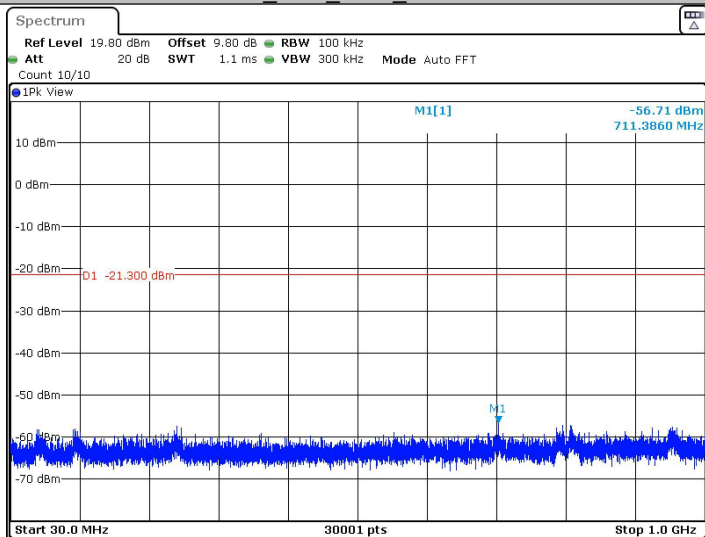
Date: 9.FEB.2022 07:42:17

DH5_Ant1_2480_0~Reference



Date: 9 FEB. 2022 07:45:40

DH5_Ant1_2480_30~1000



Date: 9 FEB. 2022 07:45:44