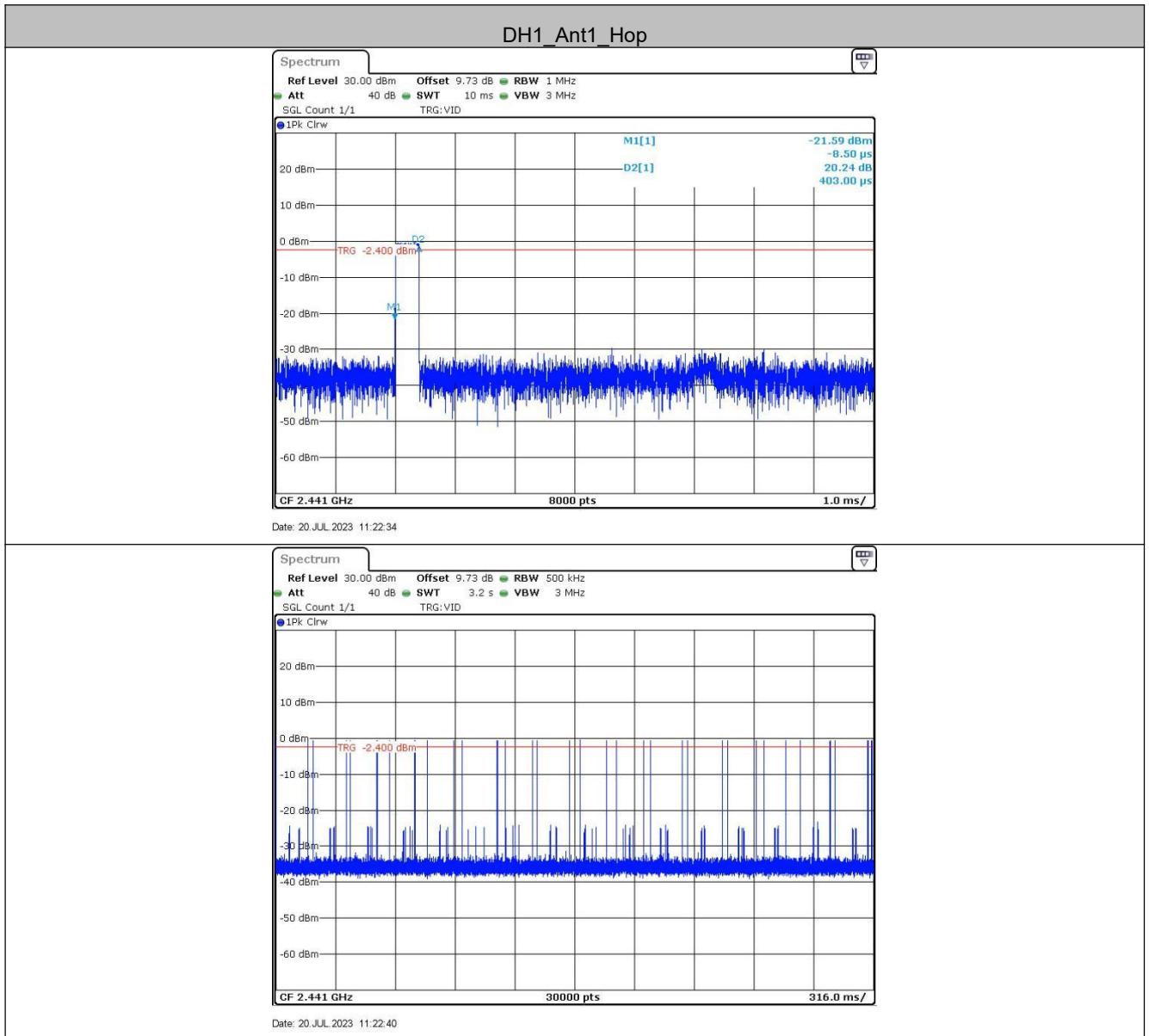
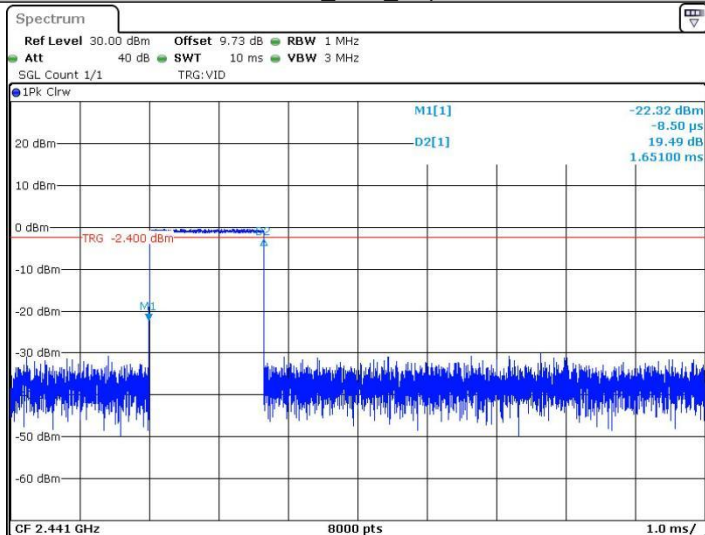


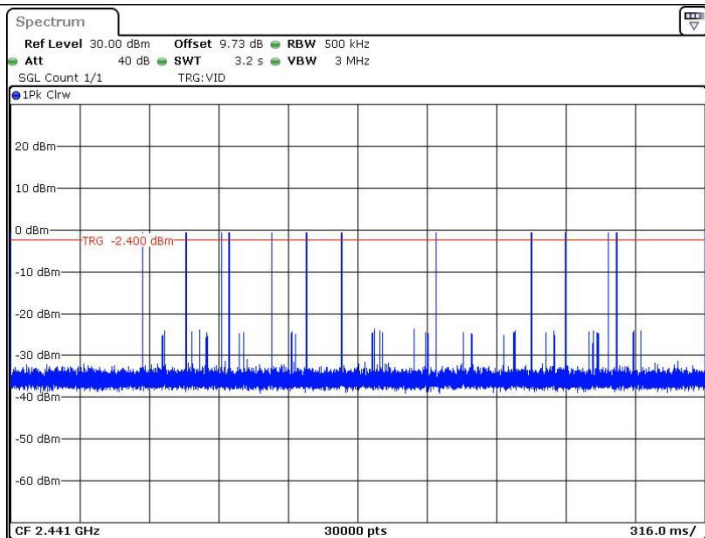
Test plot as follows:



DH3_Ant1_Hop

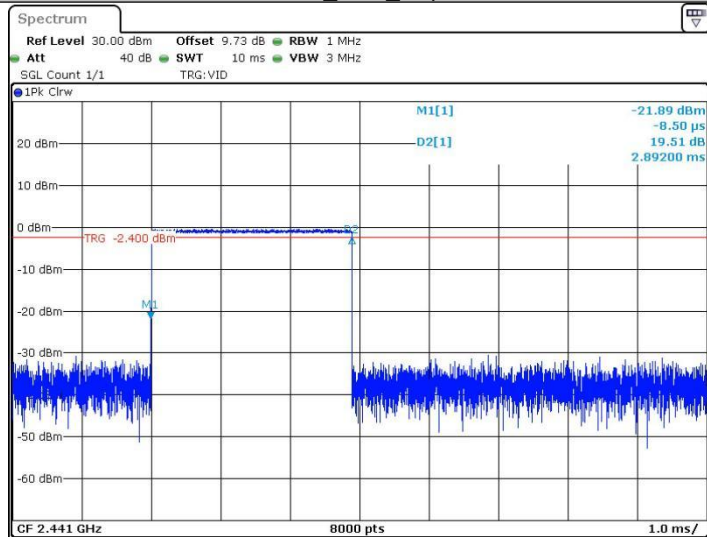


Date: 20 JUL 2023 11:23:04

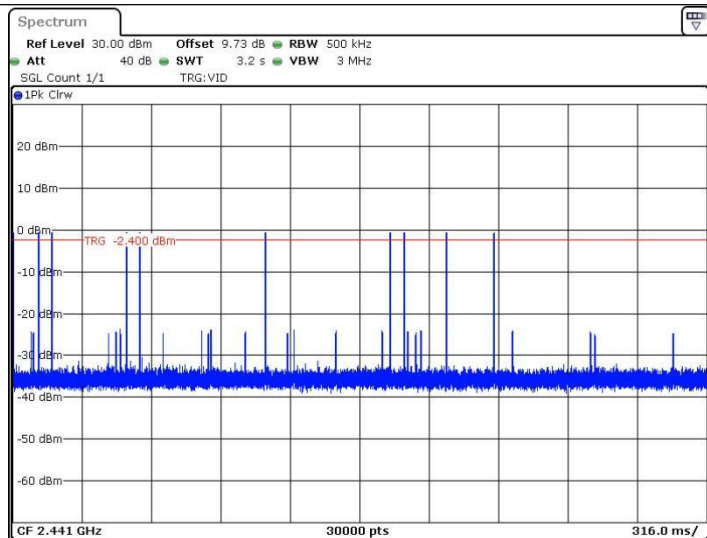


Date: 20 JUL 2023 11:23:10

DH5_Ant1_Hop

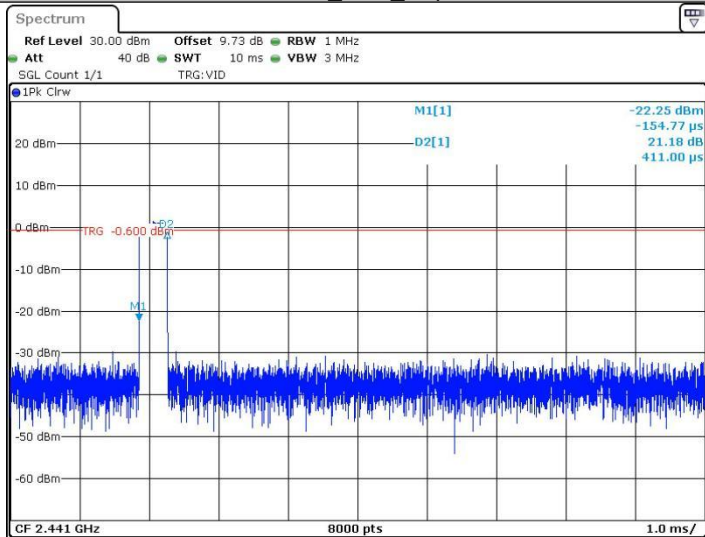


Date: 20 JUL 2023 11:20:55

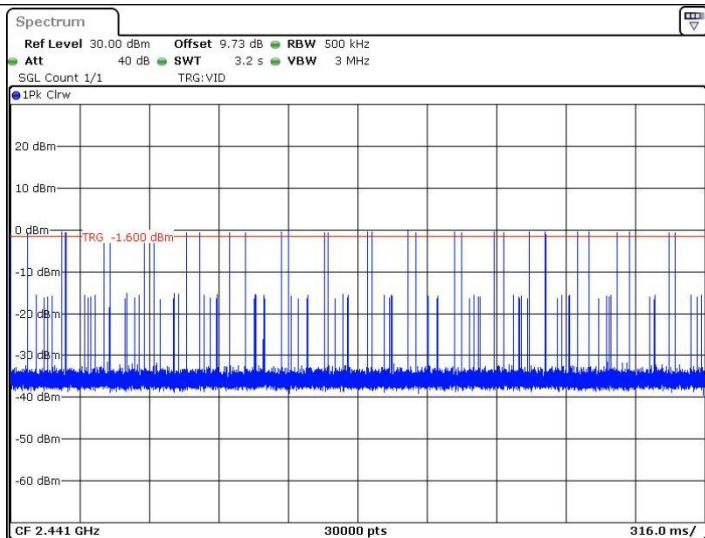


Date: 20 JUL 2023 11:21:01

2DH1_Ant1_Hop

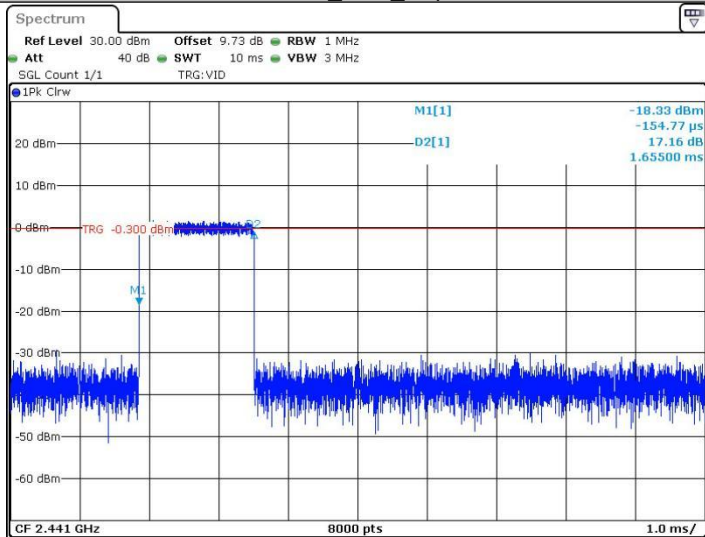


Date: 20 JUL 2023 11:29:00

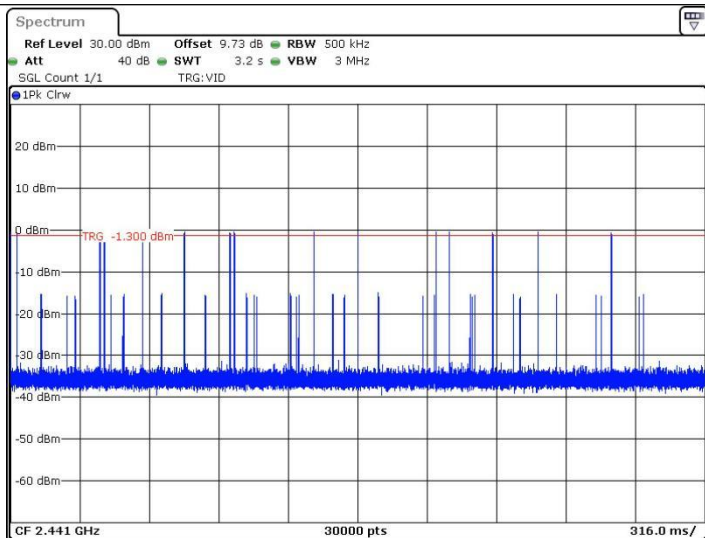


Date: 20 JUL 2023 11:29:12

2DH3_Ant1_Hop

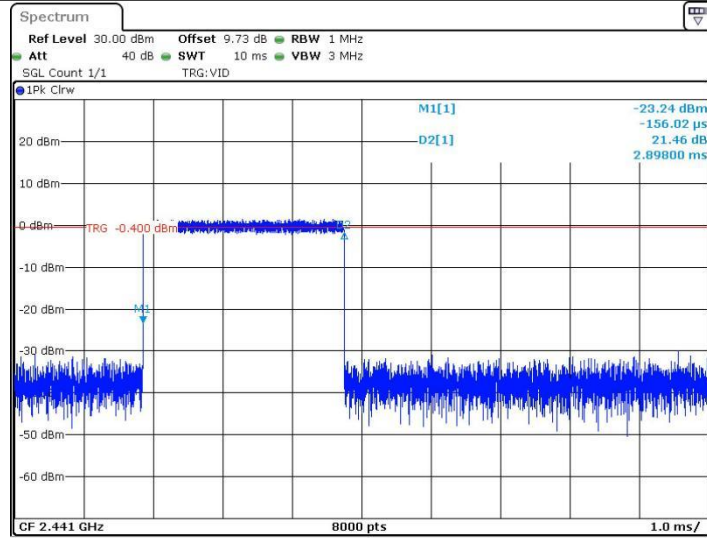


Date: 20 JUL 2023 11:32:04

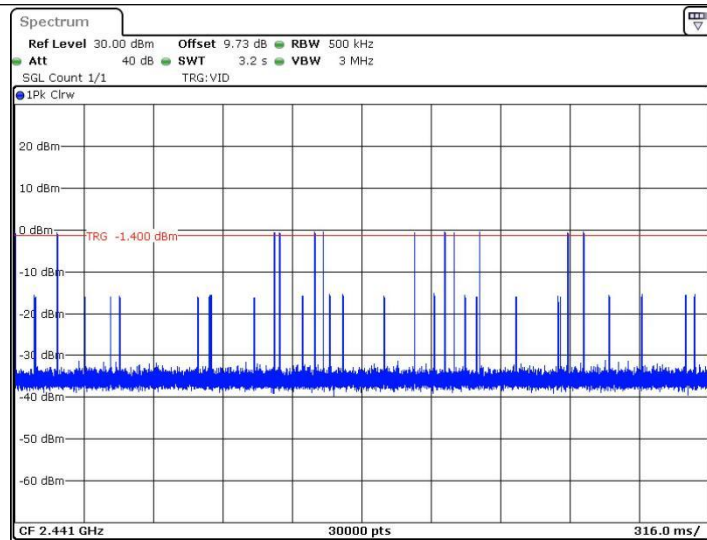


Date: 20 JUL 2023 11:32:16

2DH5_Ant1_Hop

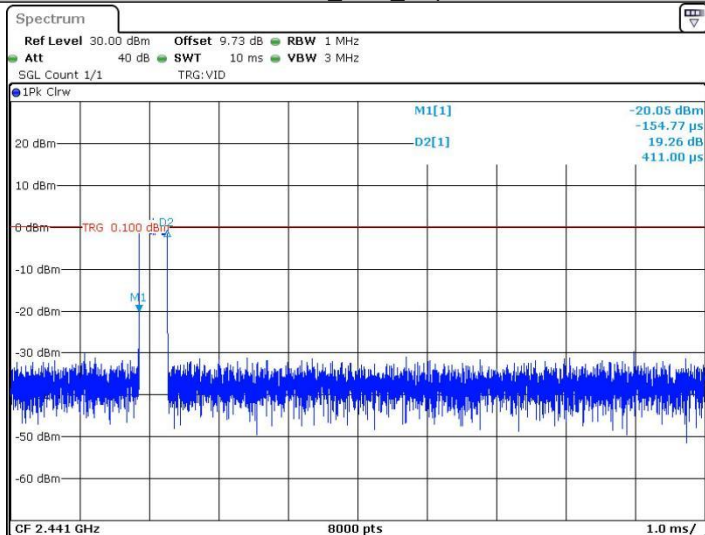


Date: 20 JUL 2023 11:28:10

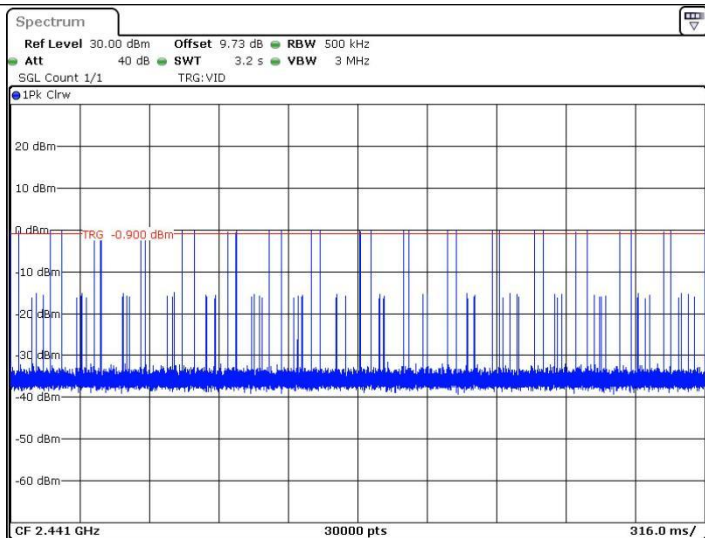


Date: 20 JUL 2023 11:28:22

3DH1_Ant1_Hop

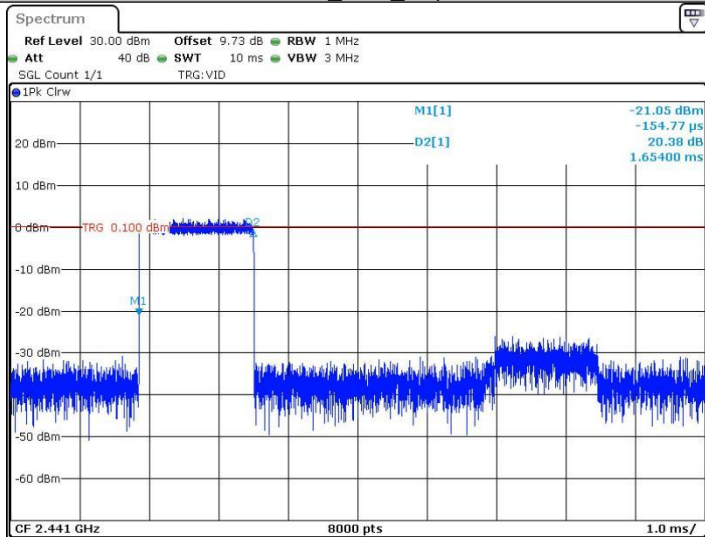


Date: 20 JUL 2023 11:44:25

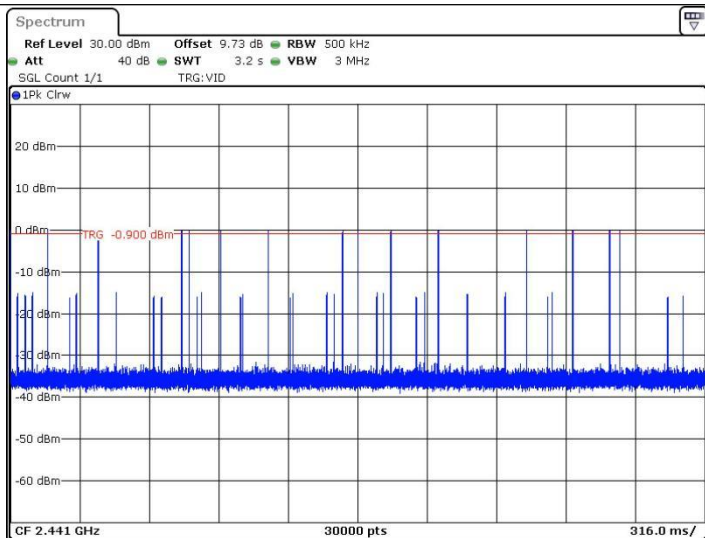


Date: 20 JUL 2023 11:44:37

3DH3_Ant1_Hop

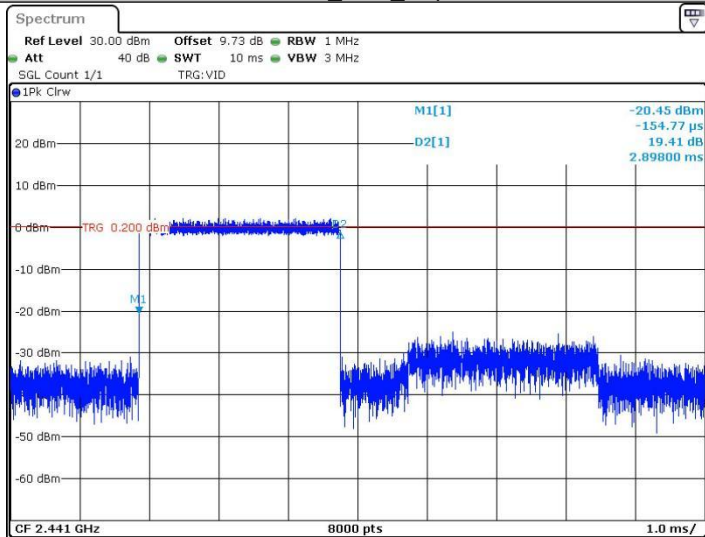


Date: 20 JUL 2023 11:46:20

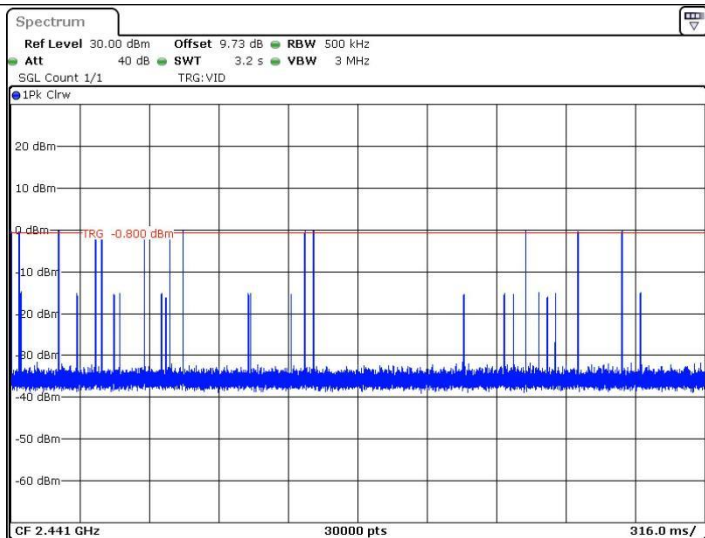


Date: 20 JUL 2023 11:46:32

3DH5_Ant1_Hop

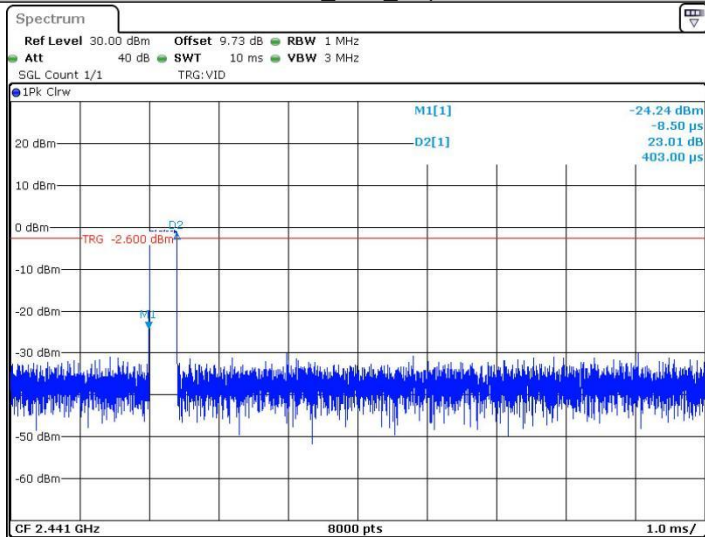


Date: 20 JUL 2023 11:55:22

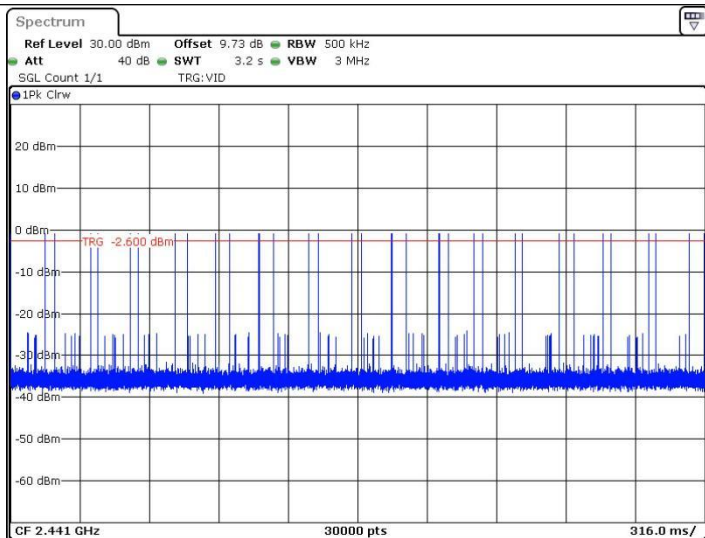


Date: 20 JUL 2023 11:55:34

DH1_Ant2_Hop

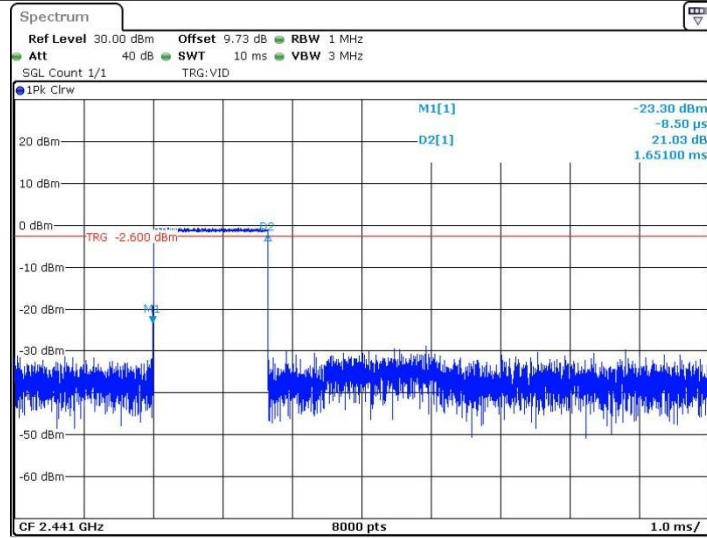


Date: 21.JUL.2023 14:24:19

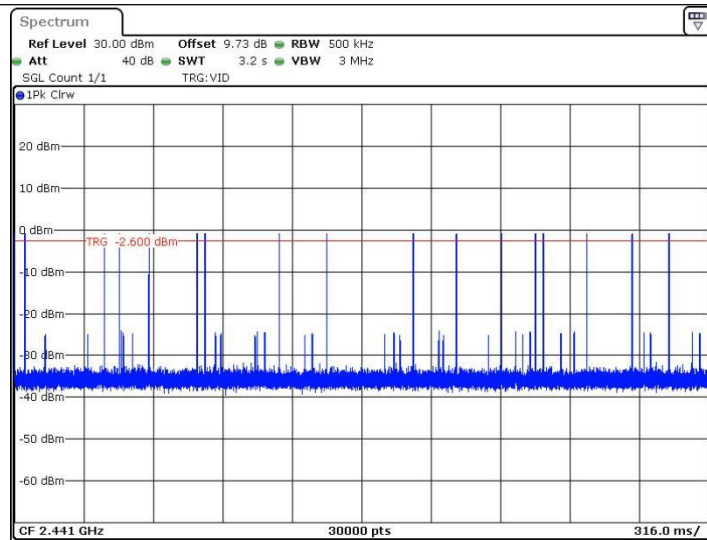


Date: 21.JUL.2023 14:24:25

DH3_Ant2_Hop

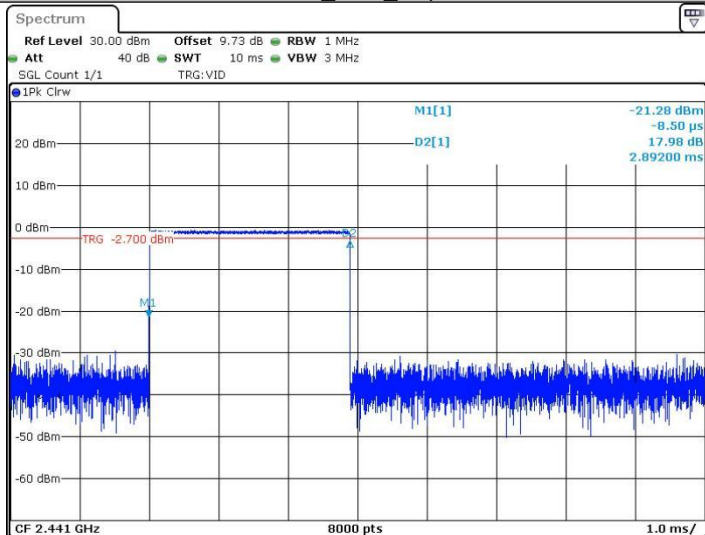


Date: 21.JUL.2023 14:25:42

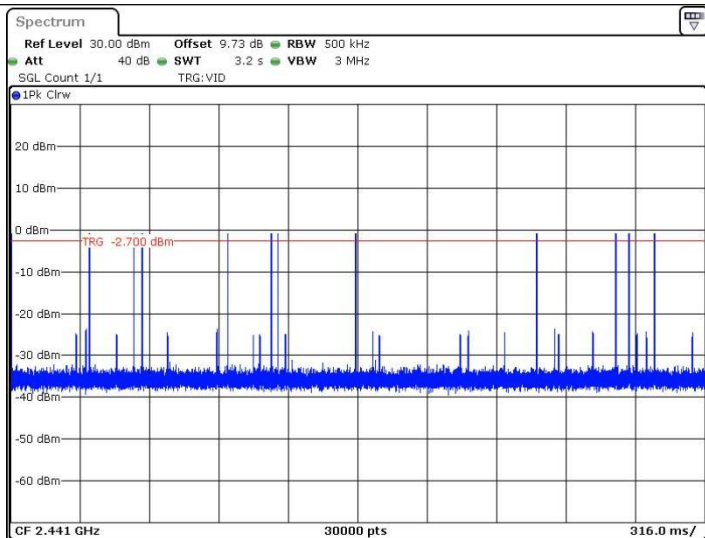


Date: 21.JUL.2023 14:25:48

DH5_Ant2_Hop

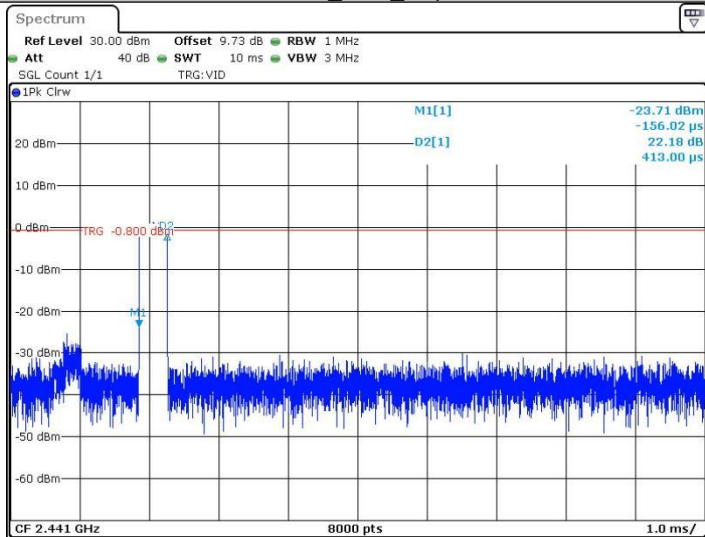


Date: 21.JUL.2023 14:23:37

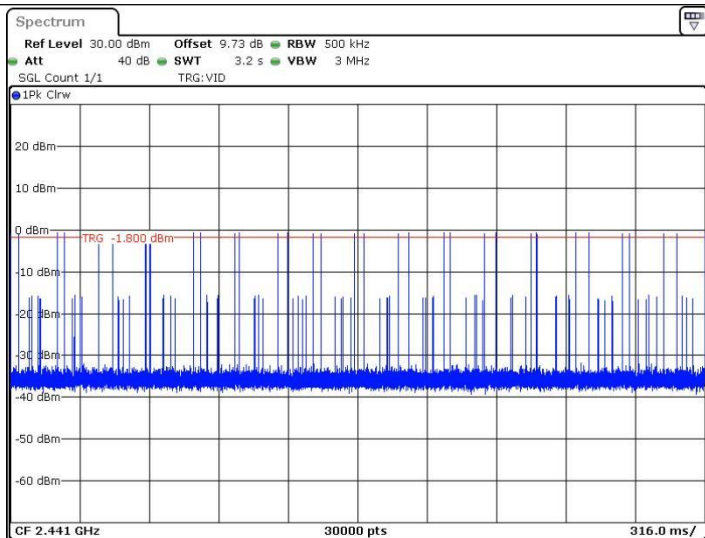


Date: 21.JUL.2023 14:23:43

2DH1_Ant2_Hop

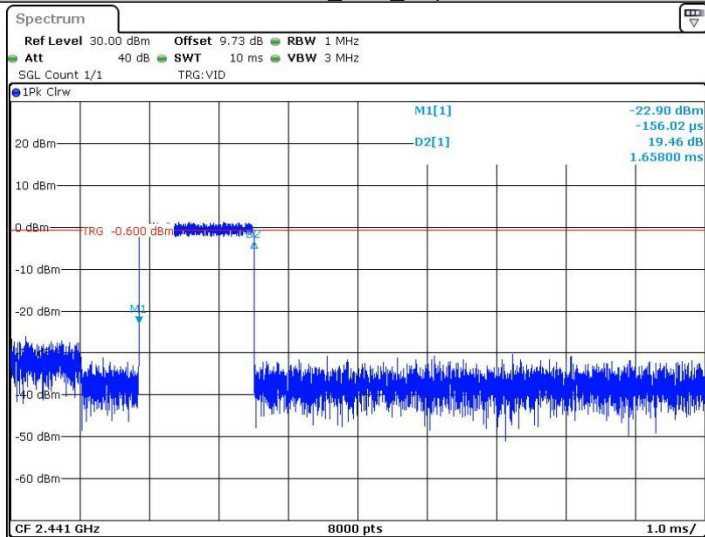


Date: 21.JUL.2023 14:31:36

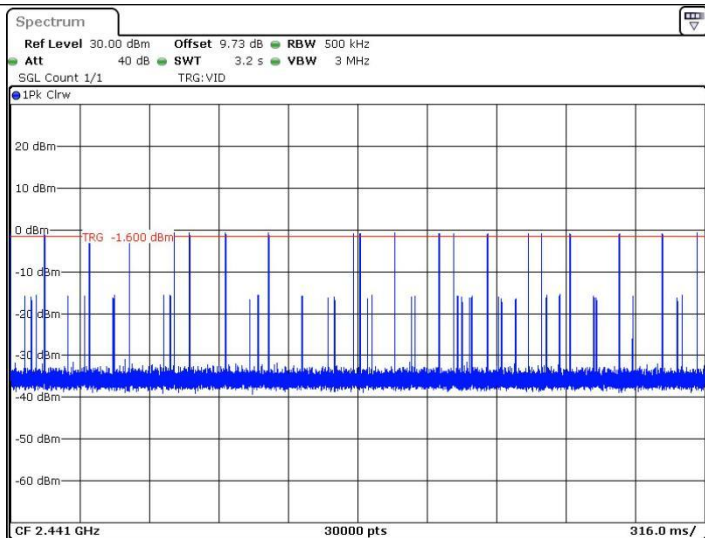


Date: 21.JUL.2023 14:31:48

2DH3_Ant2_Hop

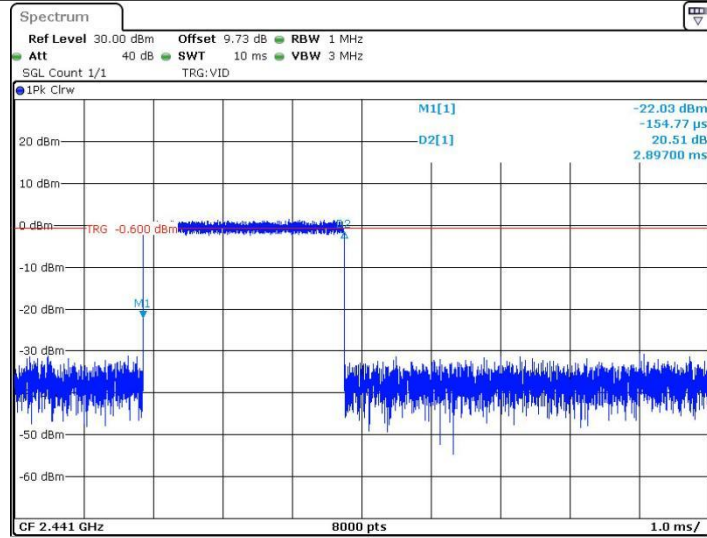


Date: 21.JUL.2023 14:32:12

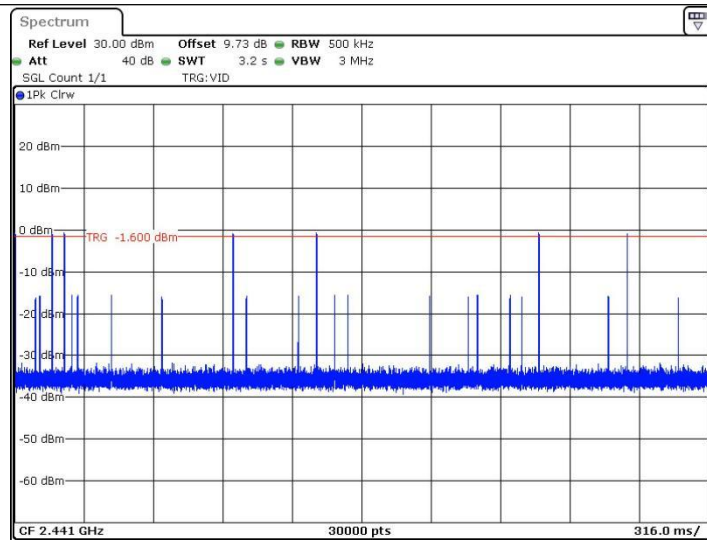


Date: 21.JUL.2023 14:32:24

2DH5_Ant2_Hop

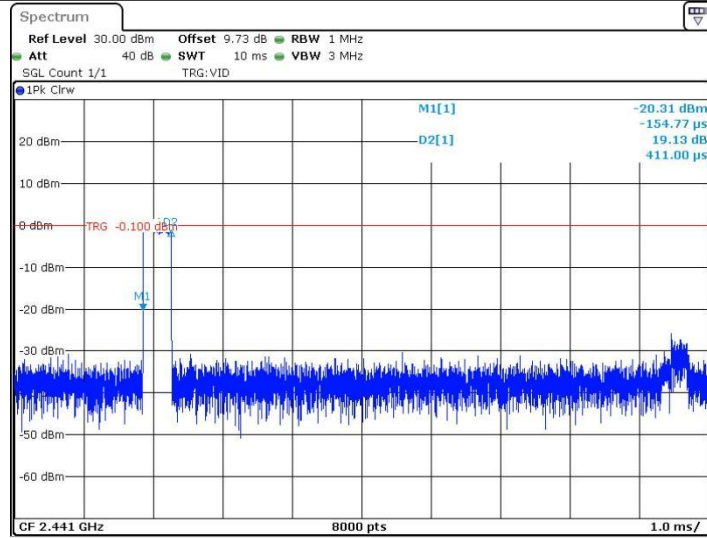


Date: 21.JUL.2023 14:45:46

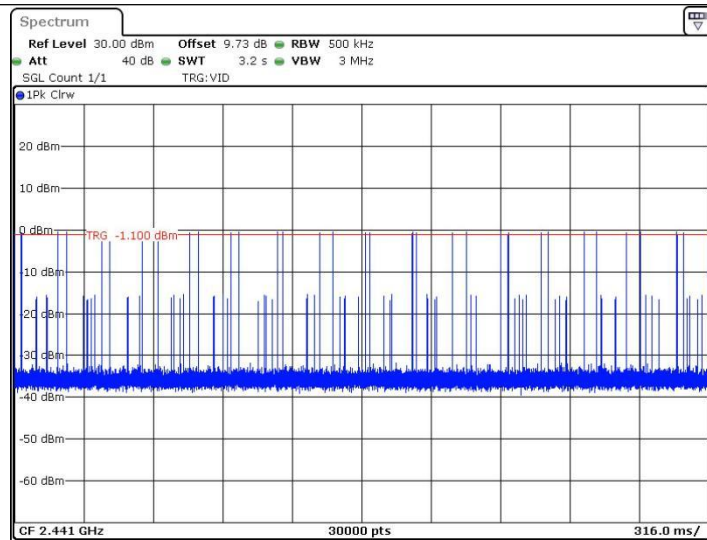


Date: 21.JUL.2023 14:45:58

3DH1_Ant2_Hop

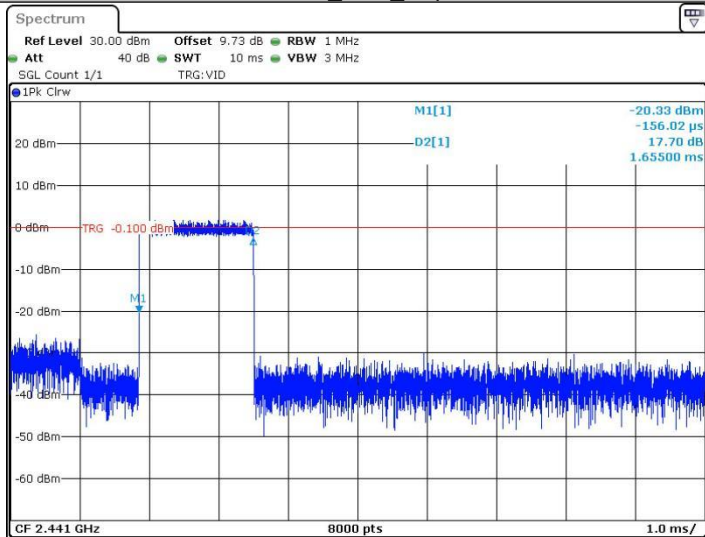


Date: 21.JUL.2023 14:37:41

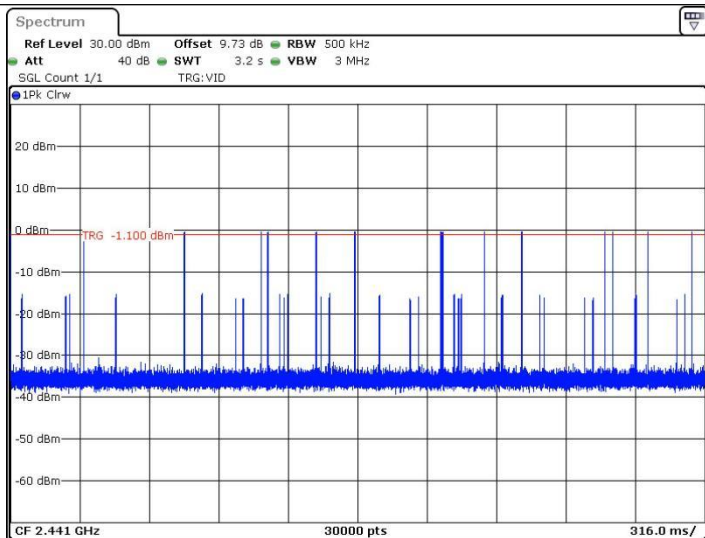


Date: 21.JUL.2023 14:37:52

3DH3_Ant2_Hop

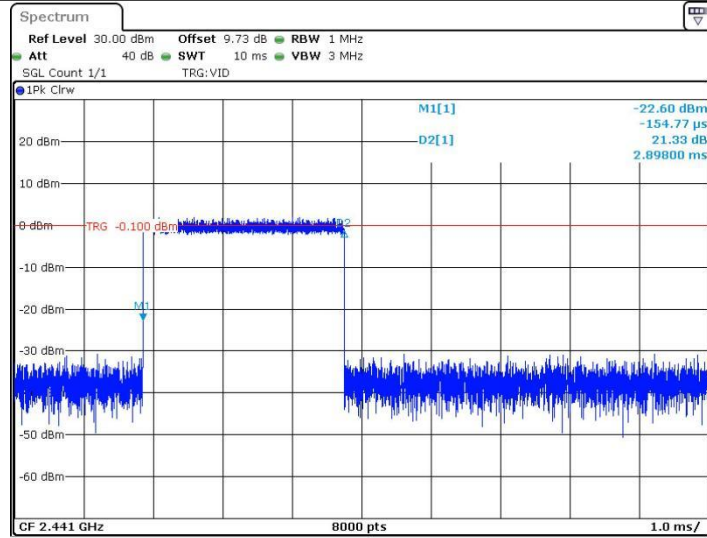


Date: 21.JUL.2023 14:38:28

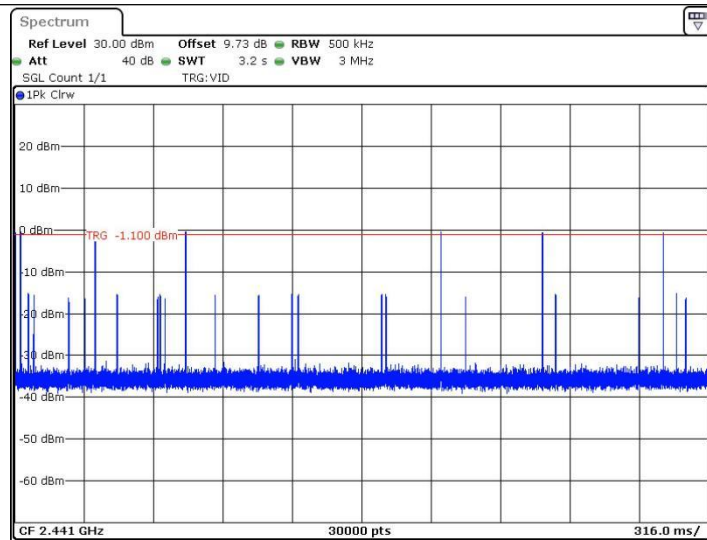


Date: 21.JUL.2023 14:38:40

3DH5_Ant2_Hop

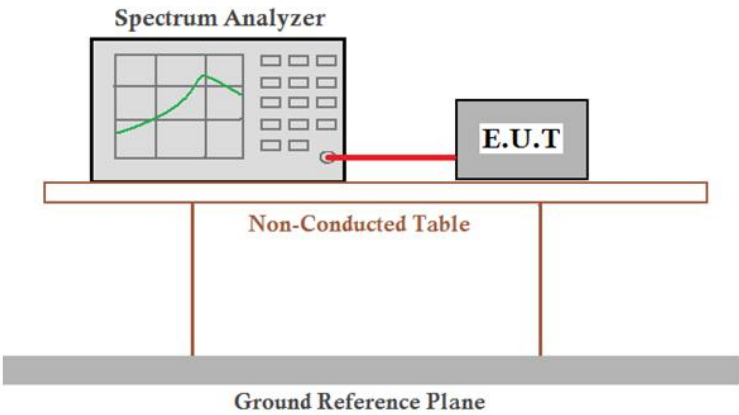


Date: 21.JUL.2023 14:37:05



Date: 21.JUL.2023 14:37:17

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:	 Remark: $Offset = \text{cable loss} + \text{attenuation factor}$.
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:	Only the worst case is recorded in the report.
Test Results:	Pass

Measurement Data

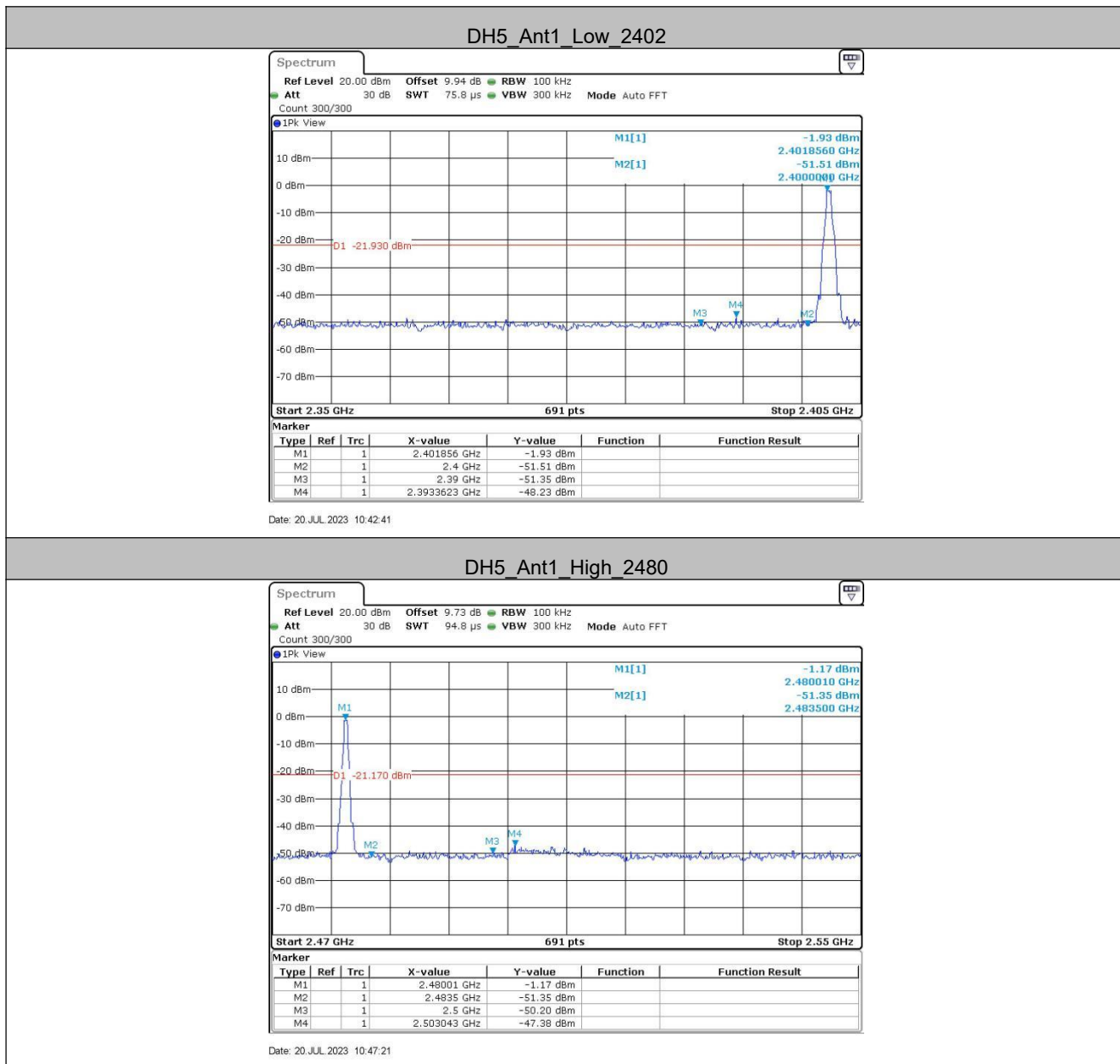
Ant1:

TestMode	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Low	2402	-1.93	-48.23	≤ -21.93	PASS
	High	2480	-1.17	-47.38	≤ -21.17	PASS
	Low	Hop_2402	-2.59	-48.96	≤ -22.59	PASS
	High	Hop_2480	-1.63	-47.03	≤ -21.63	PASS
2DH5	Low	2402	-1.99	-49	≤ -21.99	PASS
	High	2480	-1.17	-47.85	≤ -21.17	PASS
	Low	Hop_2402	-1.96	-48.74	≤ -21.96	PASS
	High	Hop_2480	-1.06	-47.19	≤ -21.06	PASS
3DH5	Low	2402	-1.89	-48.56	≤ -21.89	PASS
	High	2480	-1.06	-47.78	≤ -21.06	PASS
	Low	Hop_2402	-2.69	-48.65	≤ -22.69	PASS
	High	Hop_2480	-1.30	-46.66	≤ -21.3	PASS

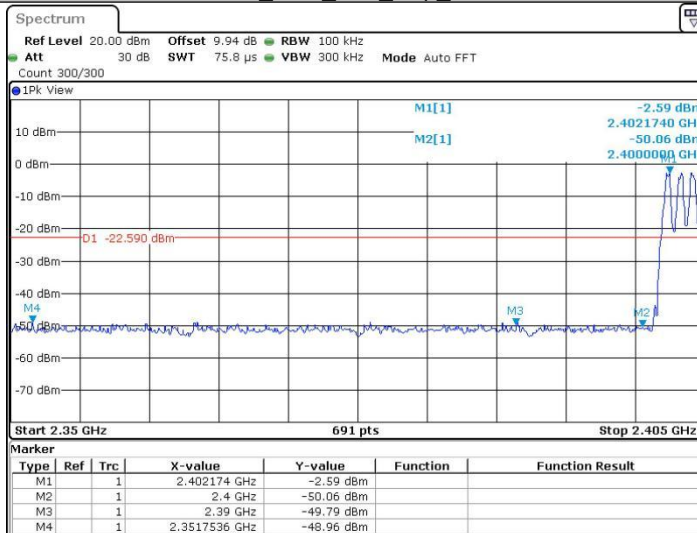
Ant2:

TestMode	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Low	2402	-2.16	-48.27	≤ -22.16	PASS
	High	2480	-1.30	-47.22	≤ -21.3	PASS
	Low	Hop_2402	-2.77	-49.12	≤ -22.77	PASS
	High	Hop_2480	-1.95	-47.4	≤ -21.95	PASS
2DH5	Low	2402	-2.23	-48.62	≤ -22.23	PASS
	High	2480	-1.38	-47.65	≤ -21.38	PASS
	Low	Hop_2402	-2.70	-48.76	≤ -22.7	PASS
	High	Hop_2480	-1.35	-47.51	≤ -21.35	PASS
3DH5	Low	2402	-2.10	-48.83	≤ -22.1	PASS
	High	2480	-1.39	-48.15	≤ -21.39	PASS
	Low	Hop_2402	-2.48	-48.2	≤ -22.48	PASS
	High	Hop_2480	-1.29	-48	≤ -21.29	PASS

Test plot as follows:

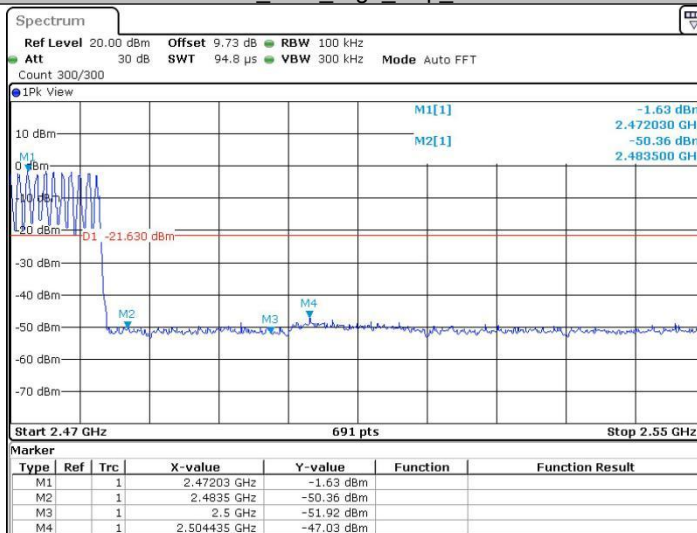


DH5_Ant1_Low_Hop_2402



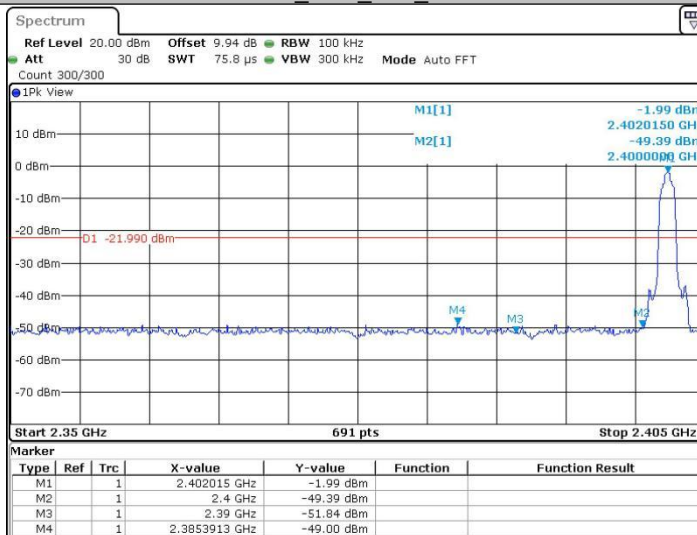
Date: 20 JUL 2023 11:18:37

DH5_Ant1_High_Hop_2480



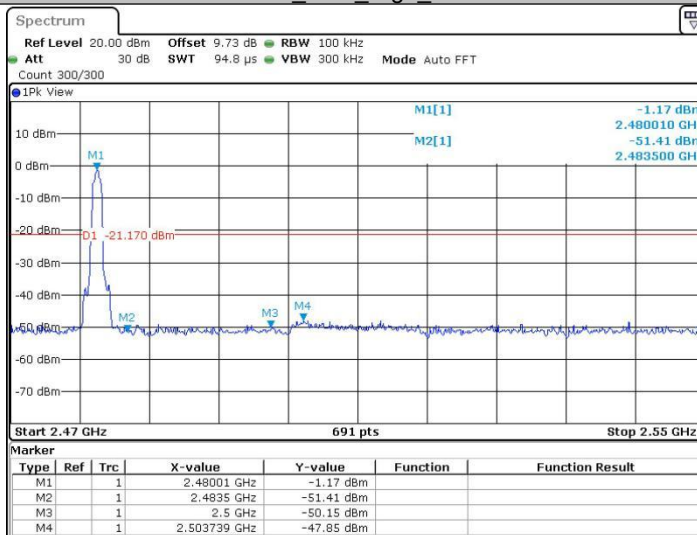
Date: 20 JUL 2023 11:23:37

2DH5_Ant1_Low_2402



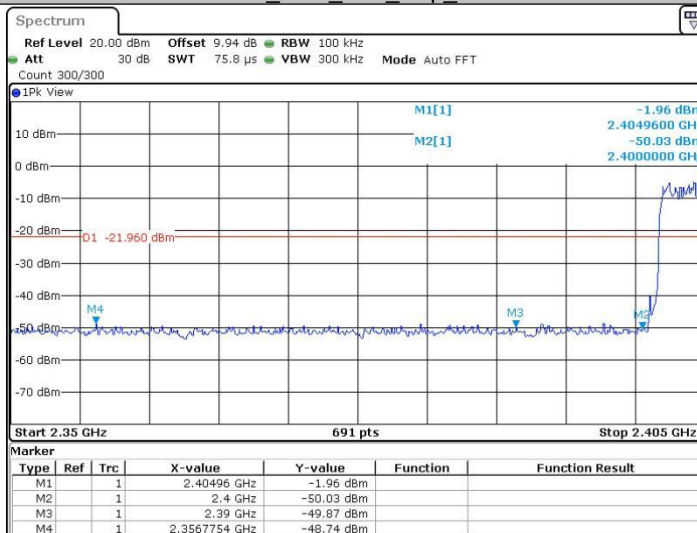
Date: 20 JUL 2023 10:49:44

2DH5_Ant1_High_2480



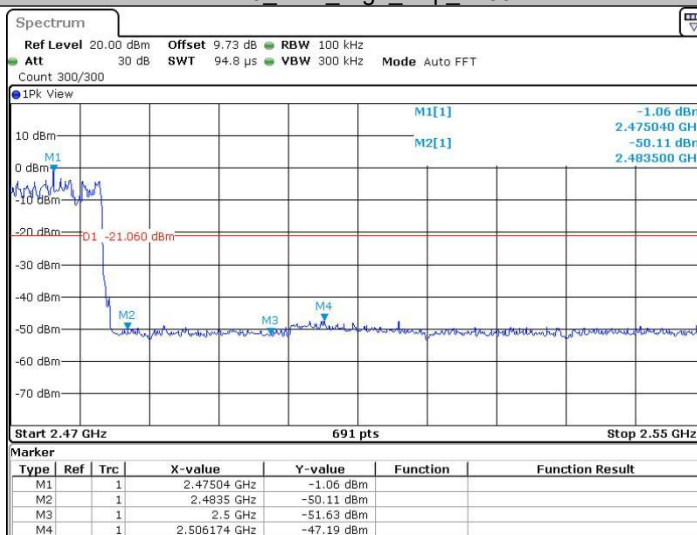
Date: 20 JUL 2023 10:55:06

2DH5_Ant1_Low_Hop_2402



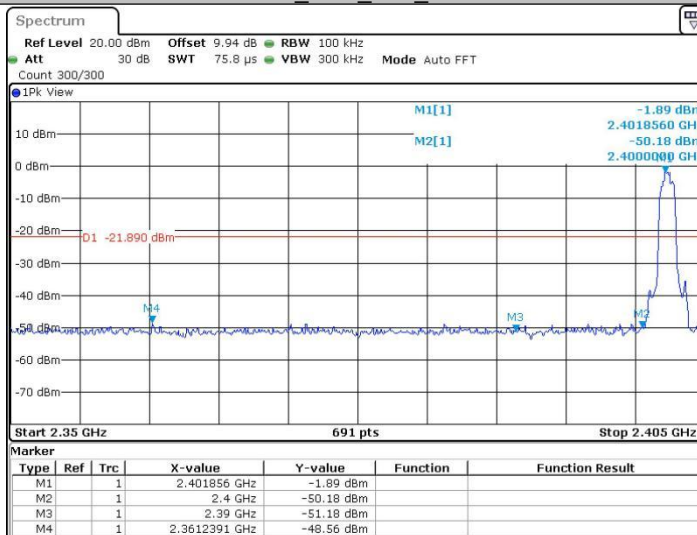
Date: 20 JUL 2023 11:24:49

2DH5_Ant1_High_Hop_2480



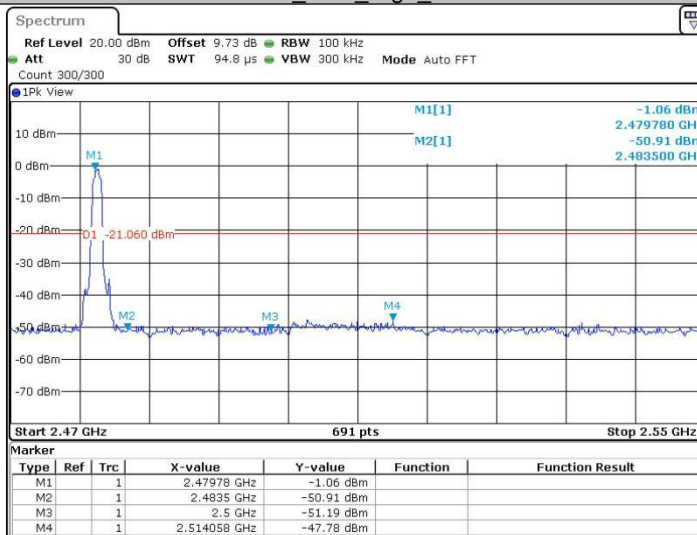
Date: 20 JUL 2023 11:36:06

3DH5_Ant1_Low_2402



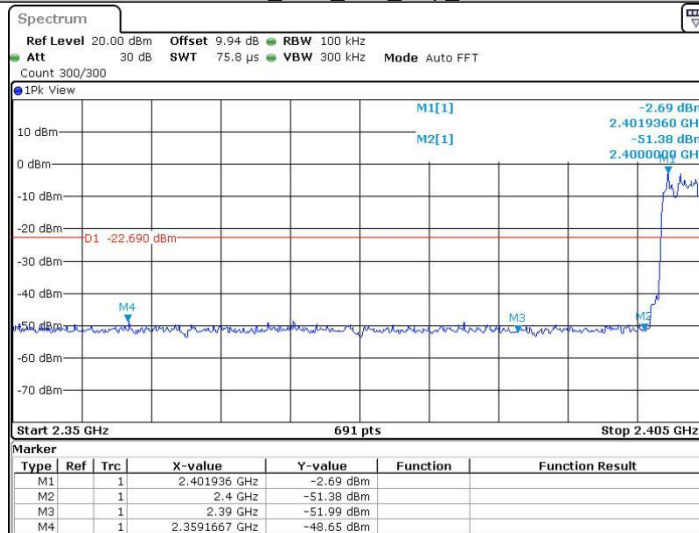
Date: 20 JUL 2023 10:57:59

3DH5_Ant1_High_2480



Date: 20 JUL 2023 11:08:24

3DH5_Ant1_Low_Hop_2402



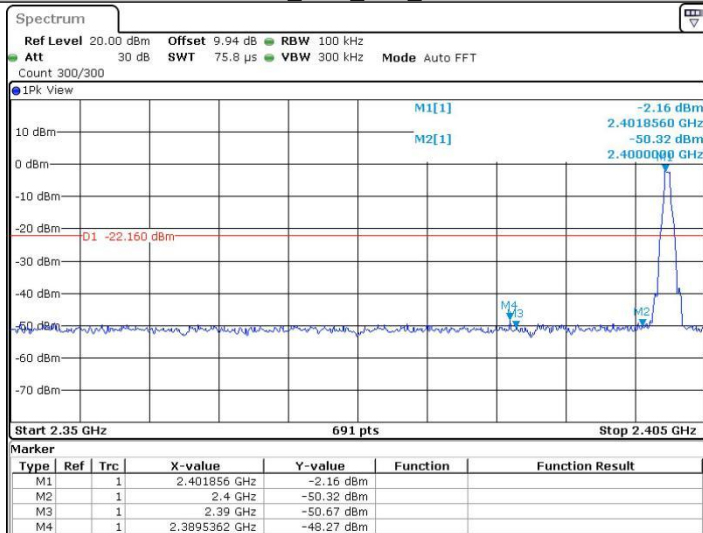
Date: 20 JUL 2023 11:37:18

3DH5_Ant1_High_Hop_2480



Date: 20 JUL 2023 11:46:56

DH5_Ant2_Low_2402



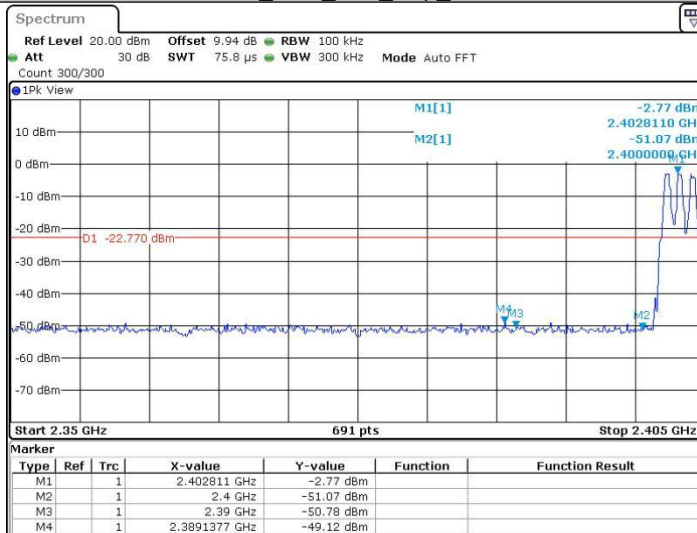
Date: 21.JUL 2023 13:55:32

DH5_Ant2_High_2480



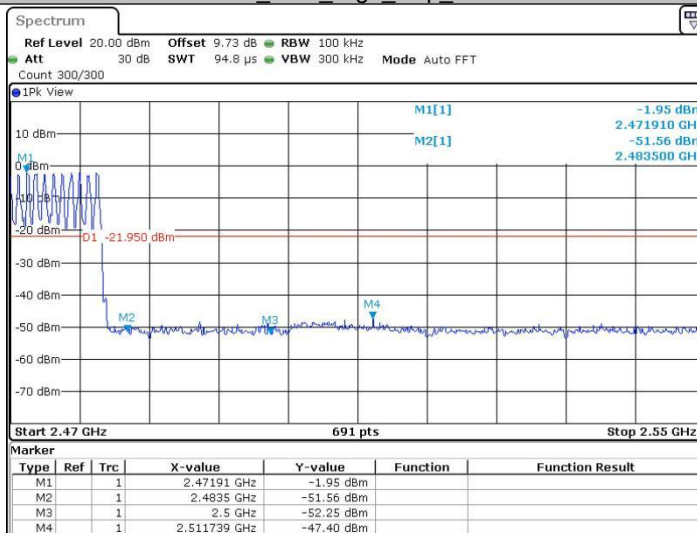
Date: 21.JUL 2023 13:59:35

DH5_Ant2_Low_Hop_2402



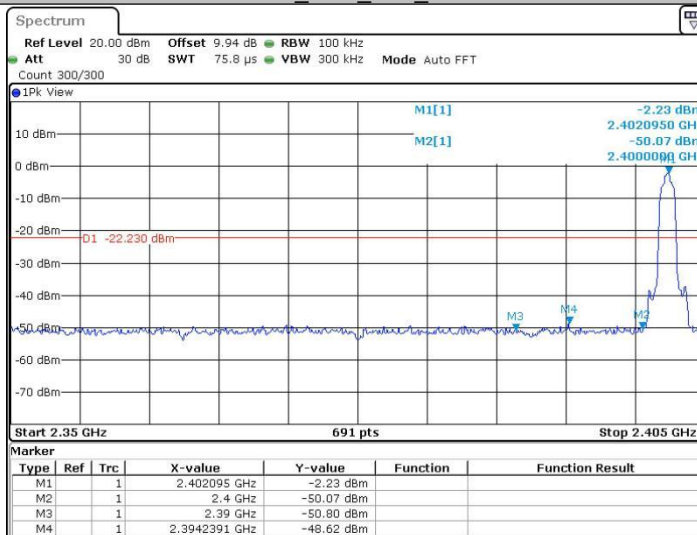
Date: 21.JUL 2023 14:19:48

DH5_Ant2_High_Hop_2480



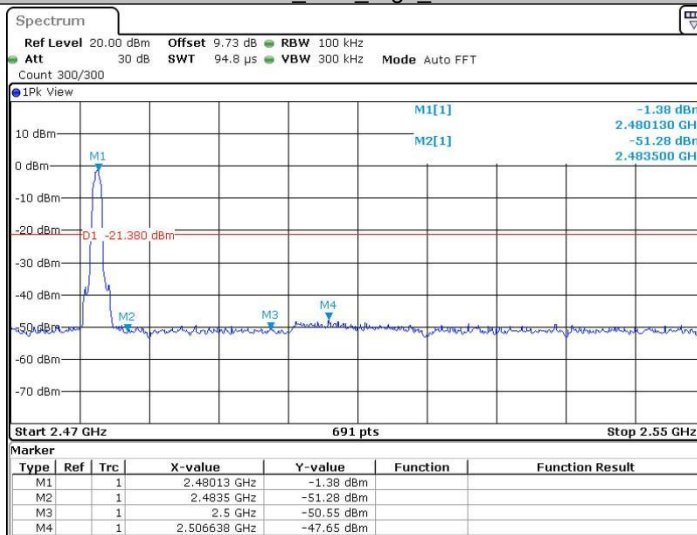
Date: 21.JUL 2023 14:26:18

2DH5_Ant2_Low_2402



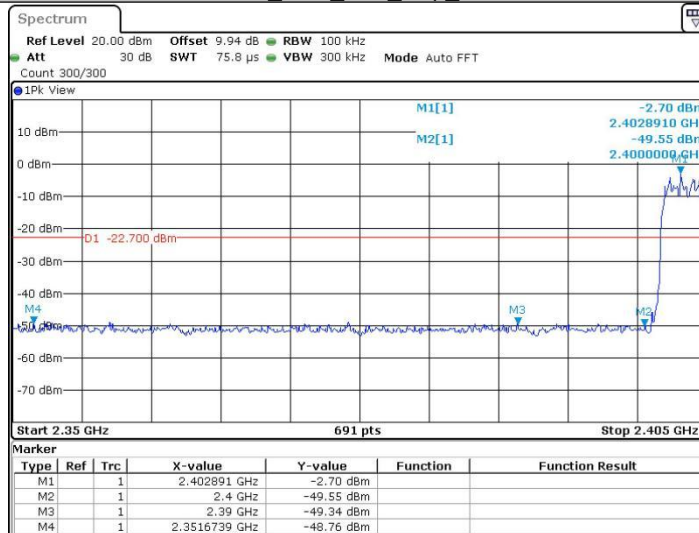
Date: 21.JUL 2023 14:02:07

2DH5_Ant2_High_2480



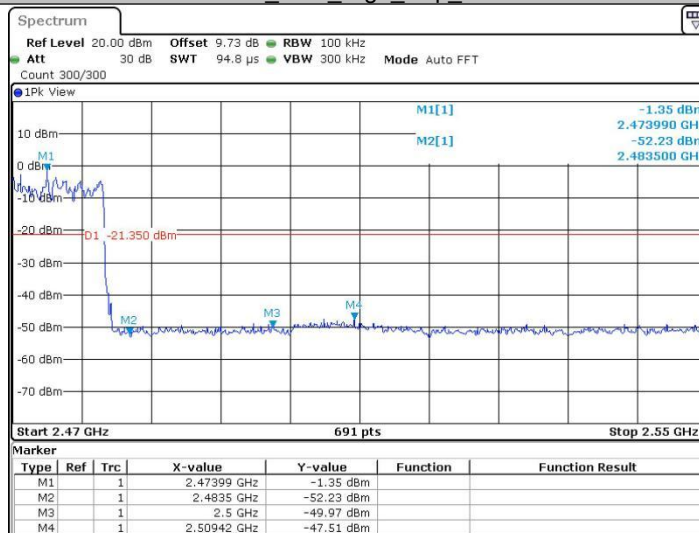
Date: 21.JUL 2023 14:07:58

2DH5_Ant2_Low_Hop_2402



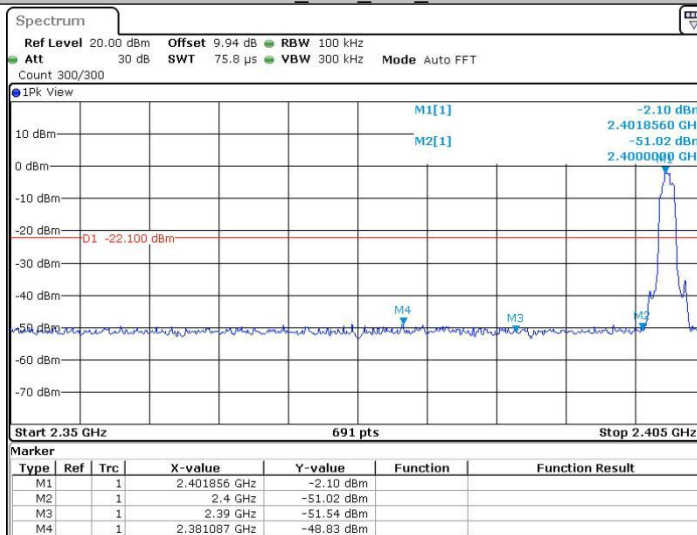
Date: 21.JUL 2023 14:27:26

2DH5_Ant2_High_Hop_2480



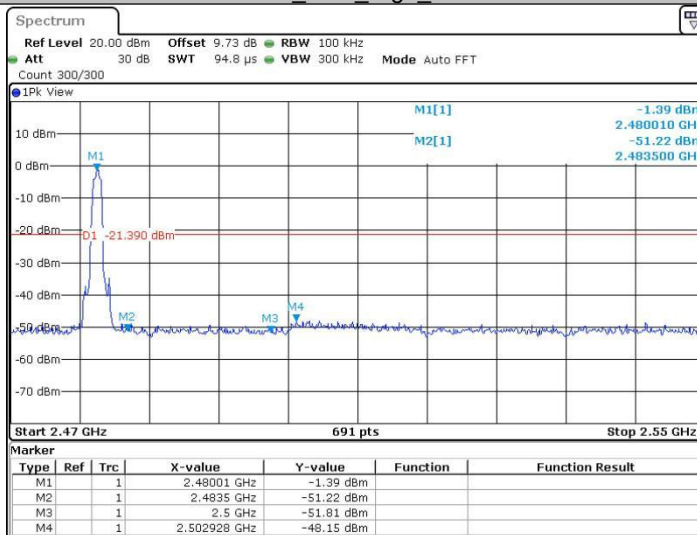
Date: 21.JUL 2023 14:33:13

3DH5_Ant2_Low_2402



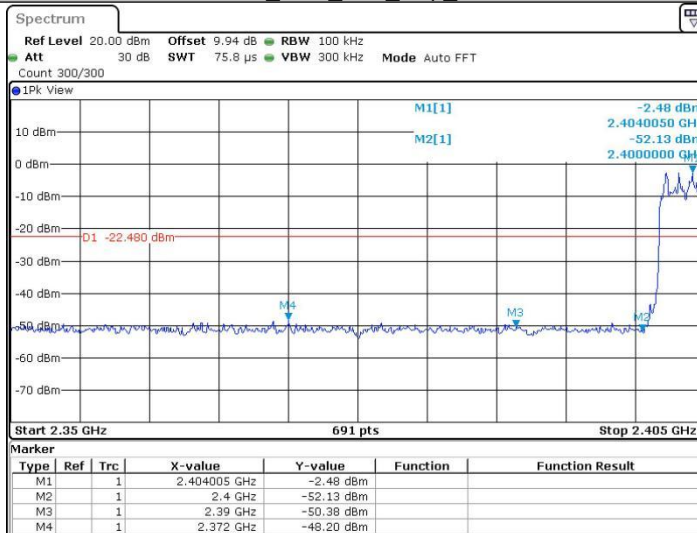
Date: 21.JUL 2023 14:10:48

3DH5_Ant2_High_2480



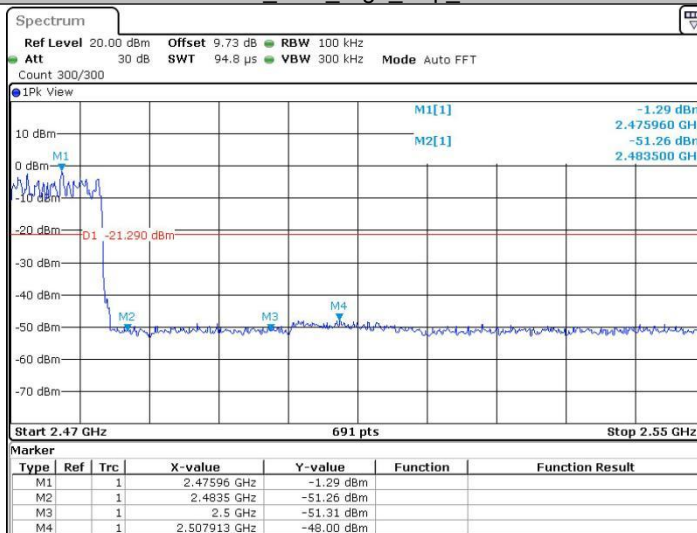
Date: 21.JUL 2023 14:17:29

3DH5_Ant2_Low_Hop_2402



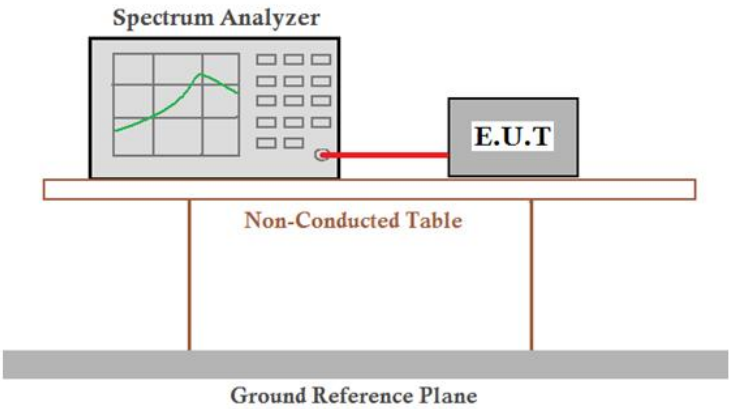
Date: 21.JUL 2023 14:34:37

3DH5_Ant2_High_Hop_2480

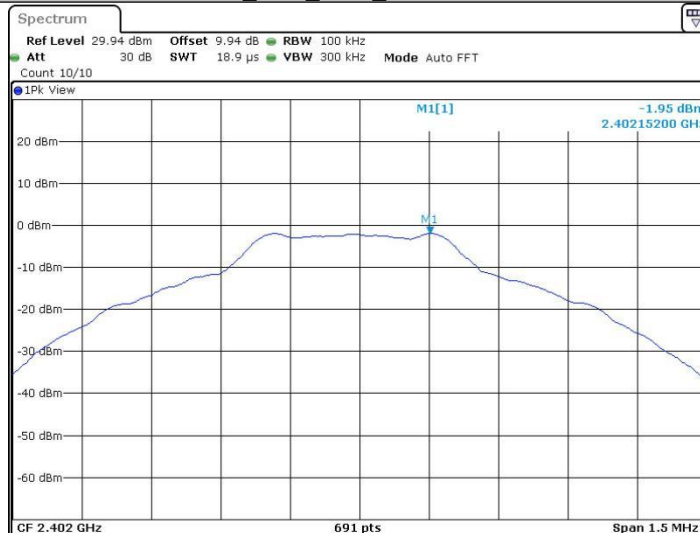


Date: 21.JUL 2023 14:39:59

5.9 Spurious RF Conducted Emissions

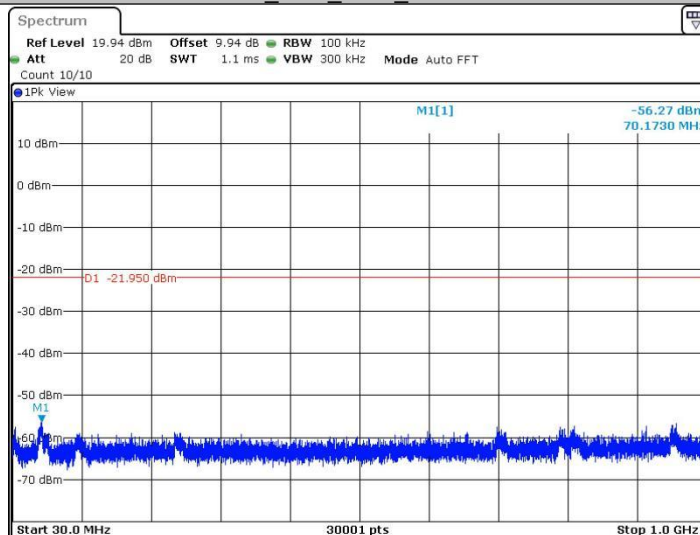
Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10:2013
Test Setup:	 Remark: Offset=cable loss+ attenuation factor.
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced 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

DH5_Ant1_2402_0~Reference



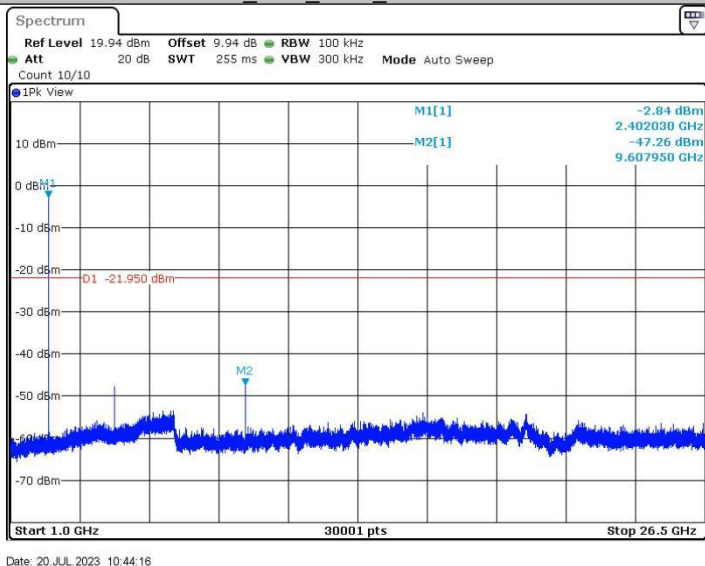
Date: 20 JUL 2023 10:43:47

DH5_Ant1_2402_30~1000



Date: 20 JUL 2023 10:43:54

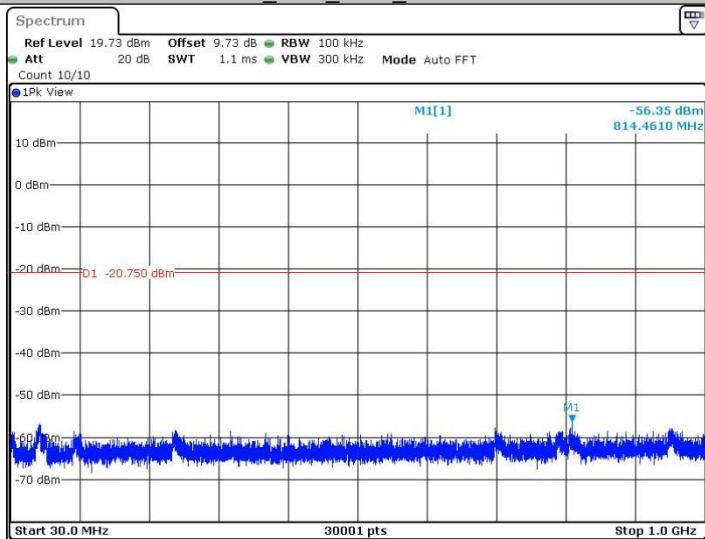
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference

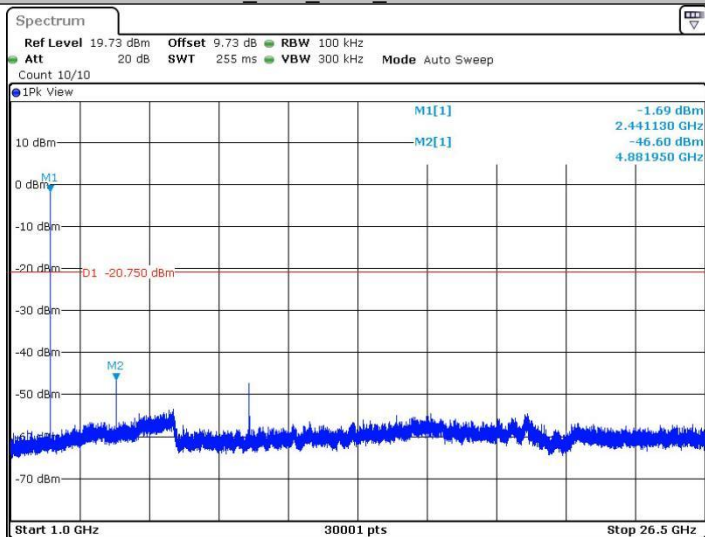


DH5_Ant1_2441_30~1000



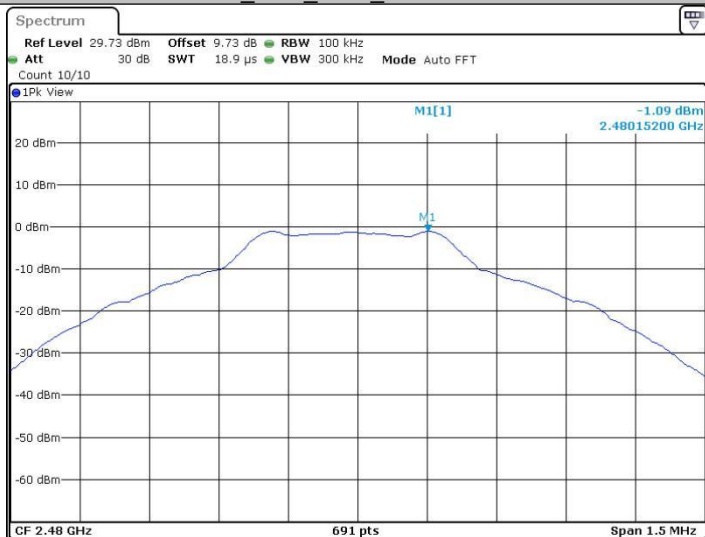
Date: 20 JUL 2023 10:45:50

DH5_Ant1_2441_1000~26500



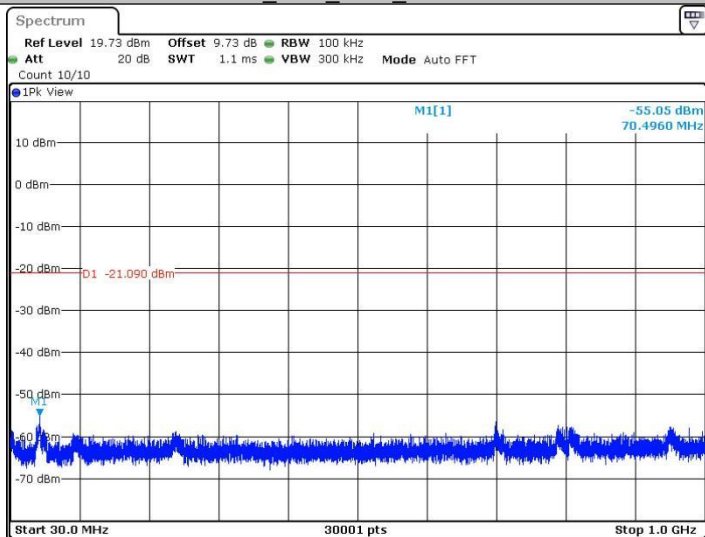
Date: 20 JUL 2023 10:46:13

DH5_Ant1_2480_0~Reference



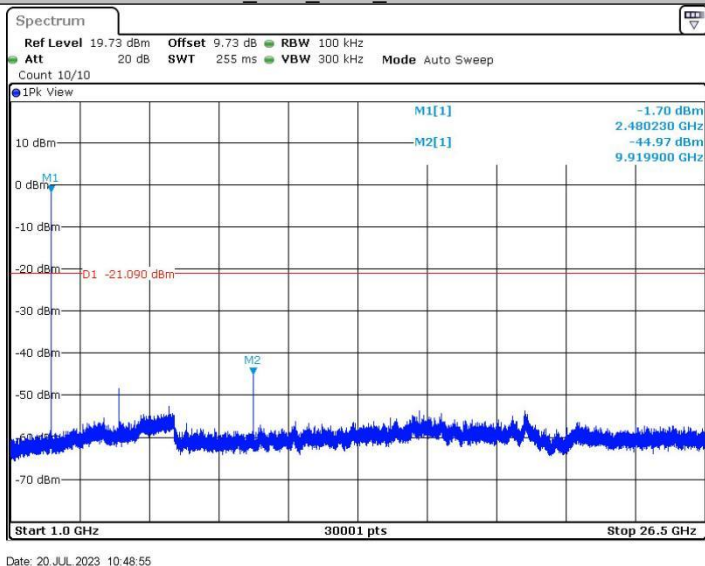
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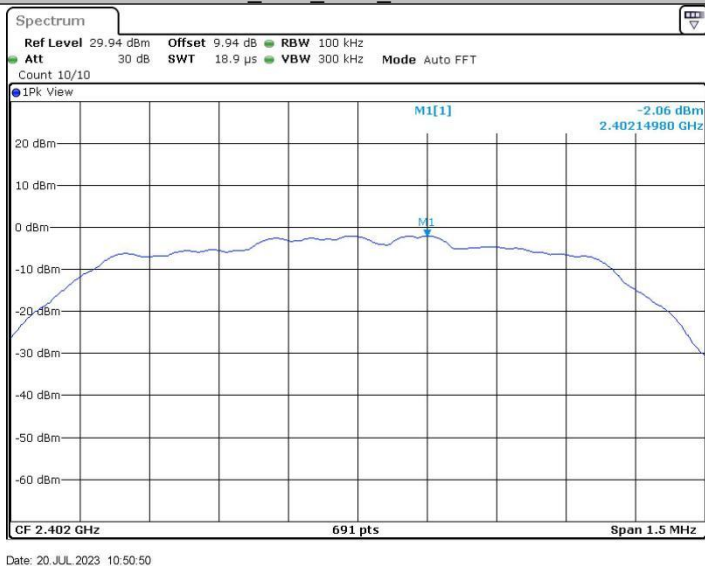


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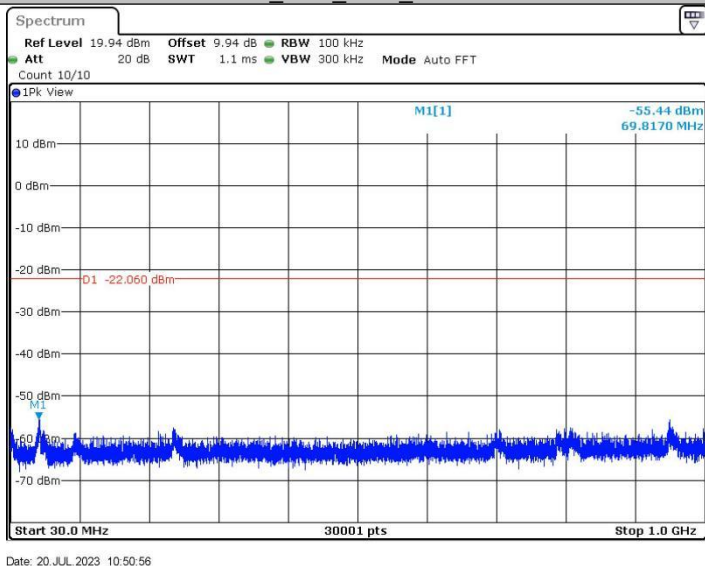
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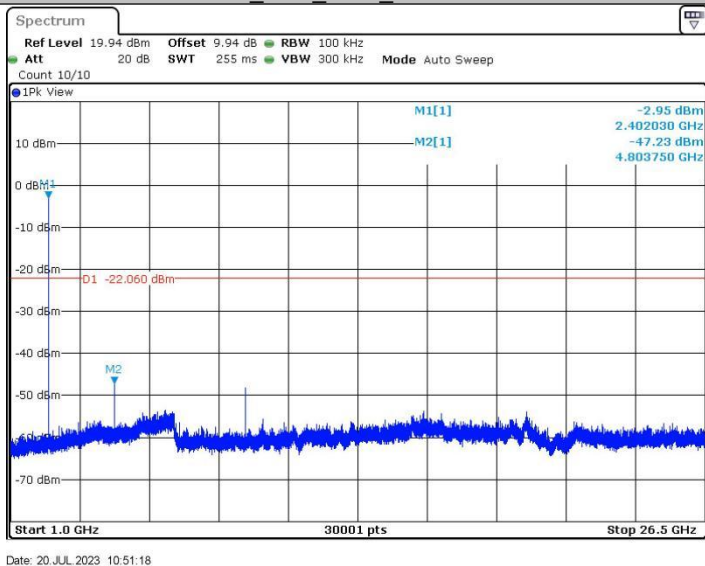
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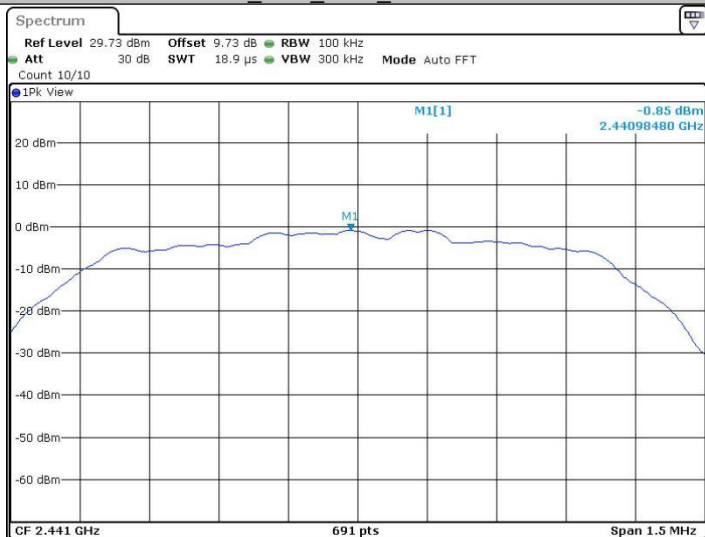
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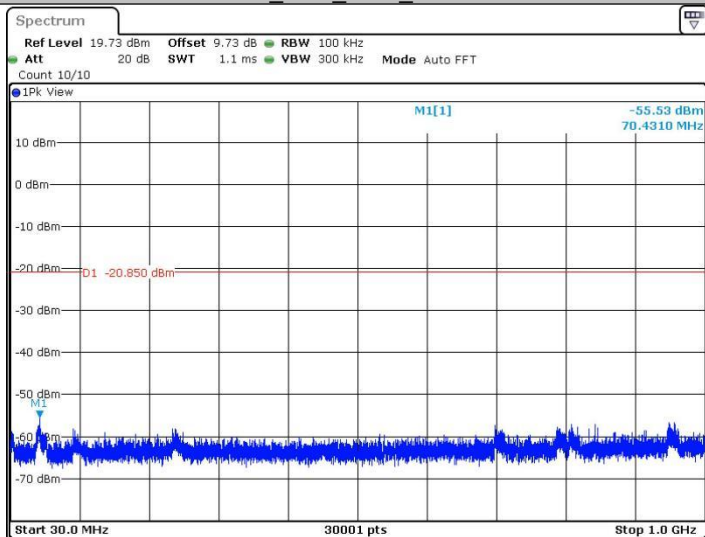


2DH5_Ant1_2441_0~Reference



Date: 20 JUL 2023 10:52:28

2DH5_Ant1_2441_30~1000



Date: 20 JUL 2023 10:52:35