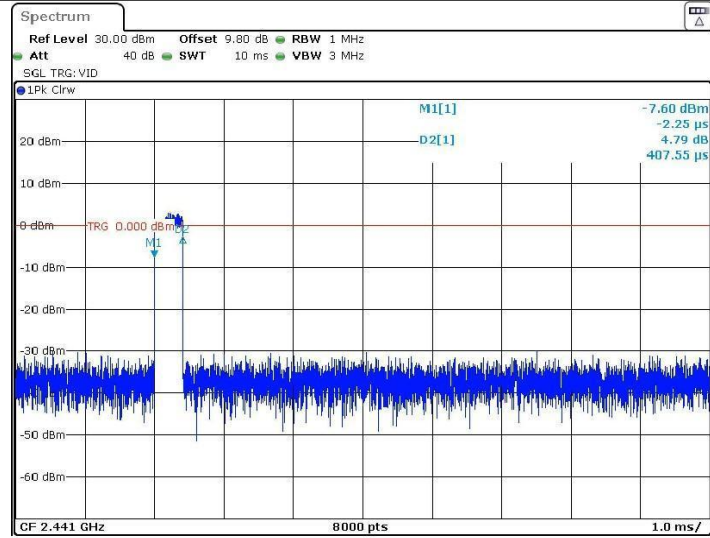
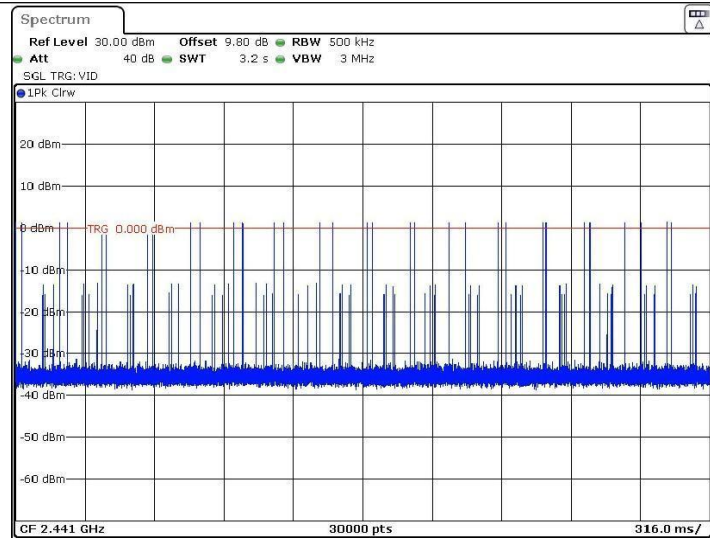


3DH1_Ant1_Hop

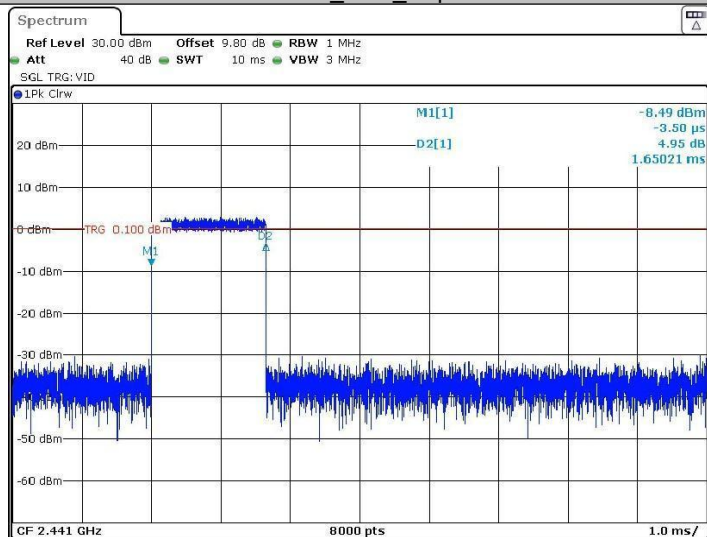


Date: 16 MAY 2022 12:12:20

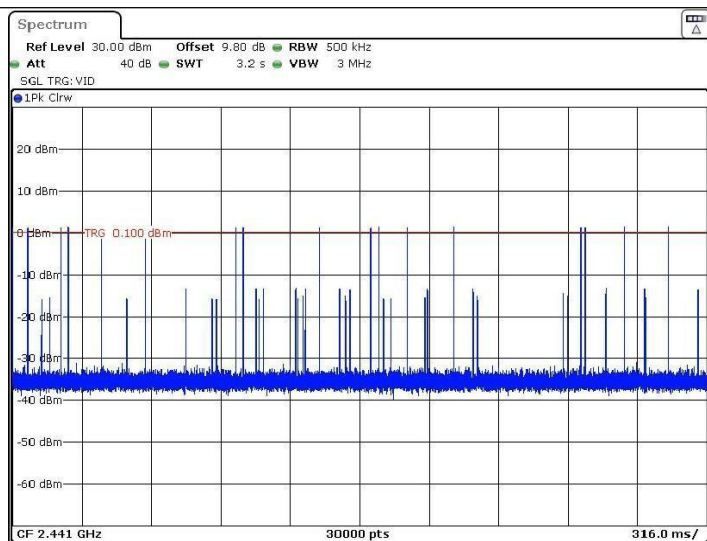


Date: 16 MAY 2022 12:12:25

3DH3_Ant1_Hop

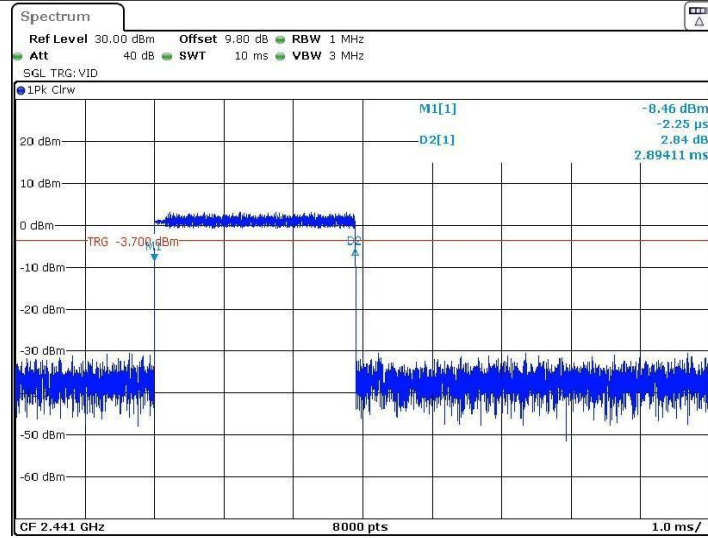


Date: 16 MAY 2022 12:12:52

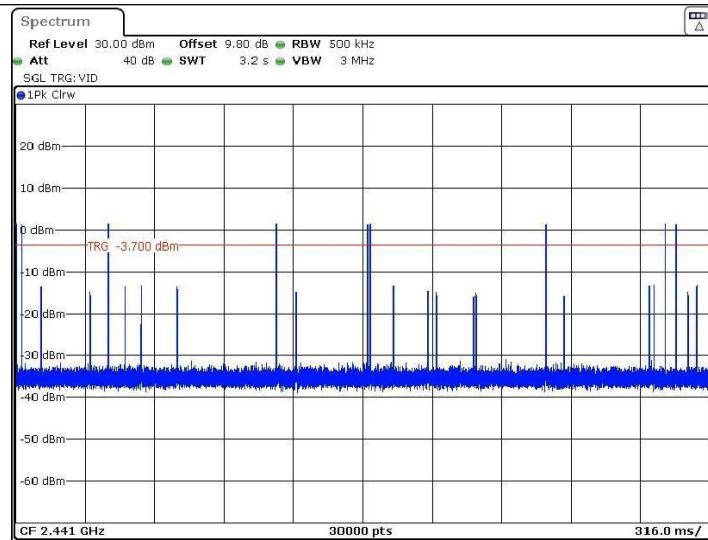


Date: 16 MAY 2022 12:12:57

3DH5_Ant1_Hop

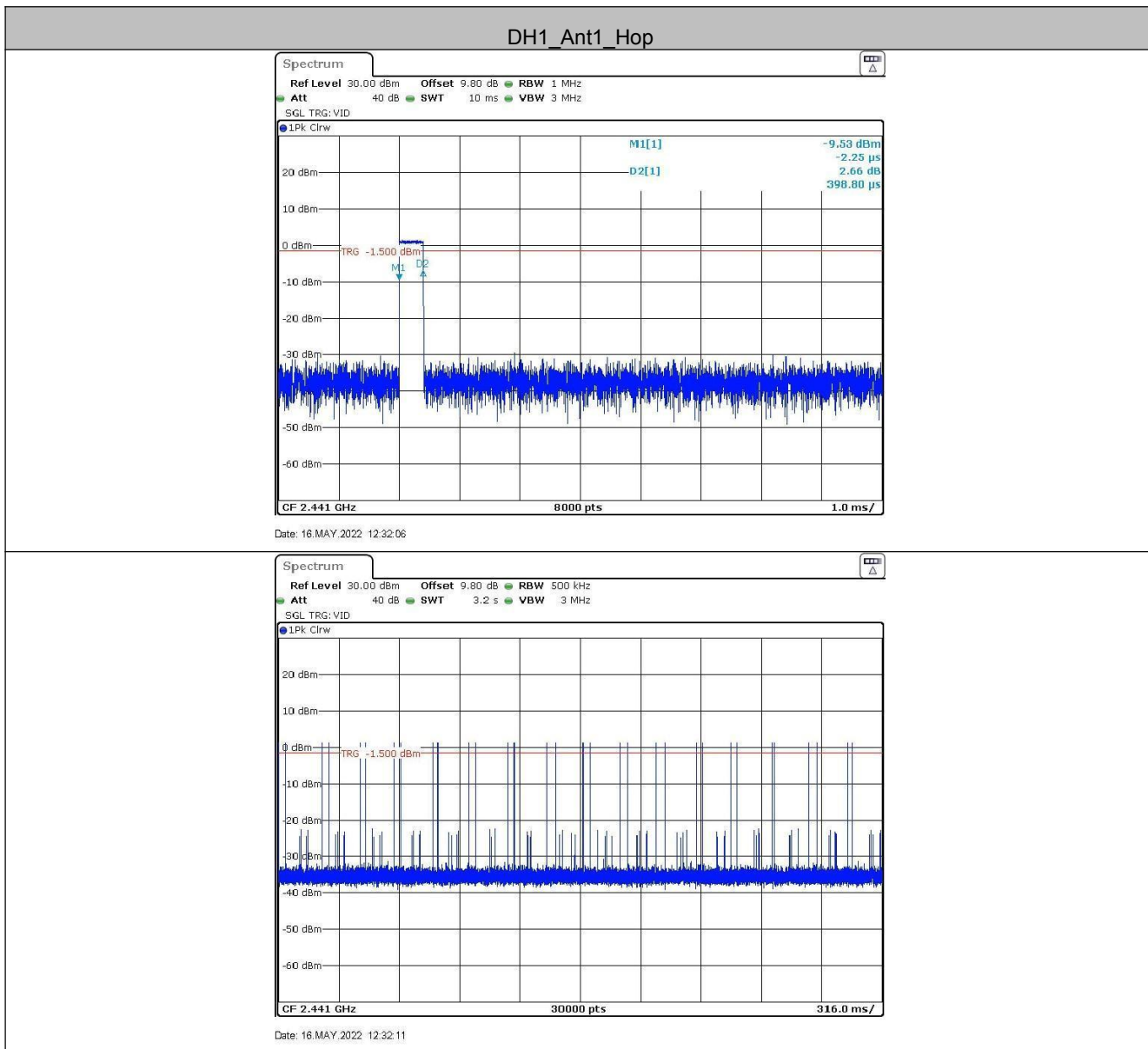


Date: 16 MAY 2022 12:11:23

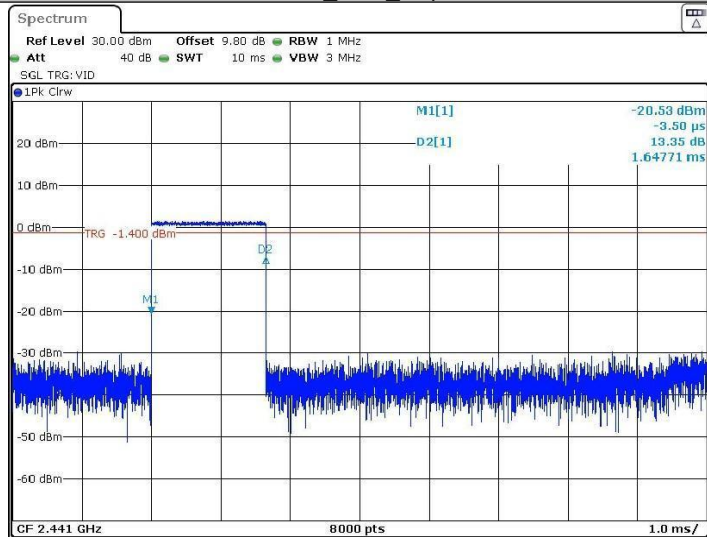


Date: 16 MAY 2022 12:11:28

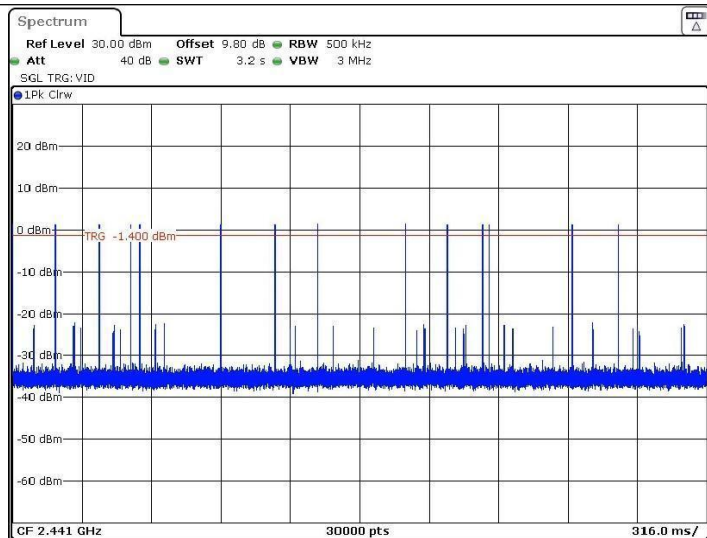
R



DH3_Ant1_Hop

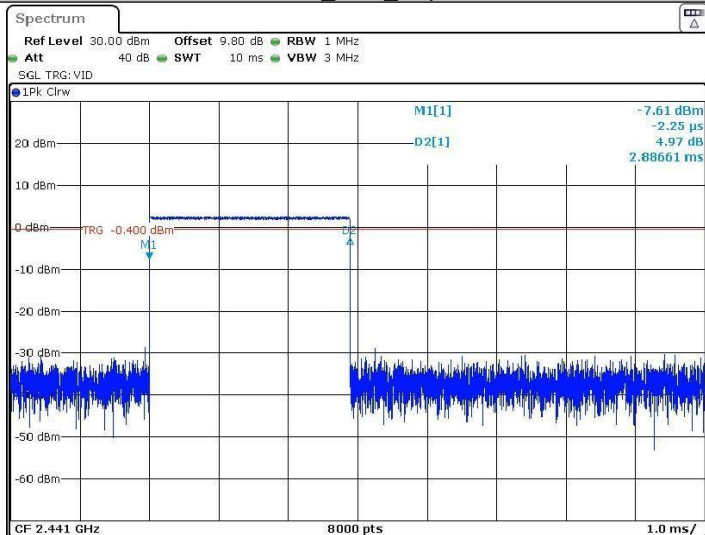


Date: 16 MAY 2022 12:33:59

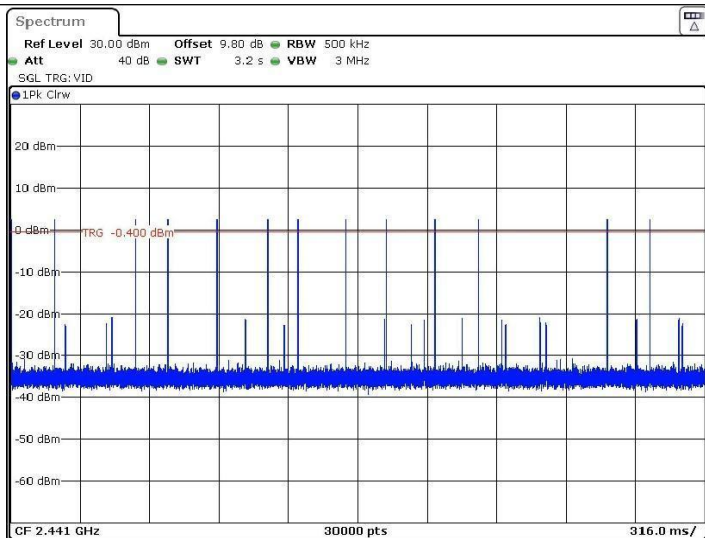


Date: 16 MAY 2022 12:34:04

DH5_Ant1_Hop

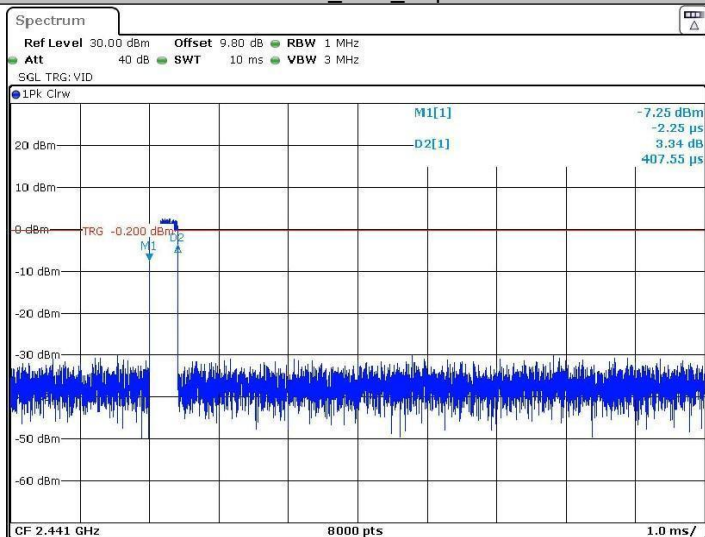


Date: 29 APR 2022 08:02:51

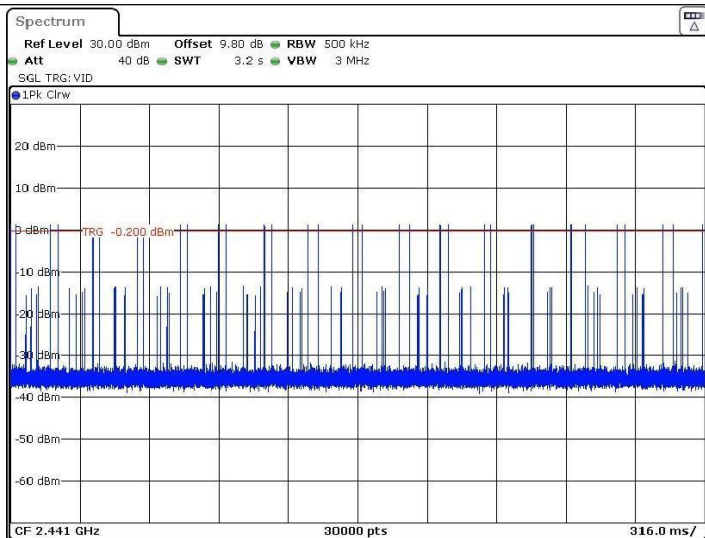


Date: 29 APR 2022 08:02:56

2DH1_Ant1_Hop

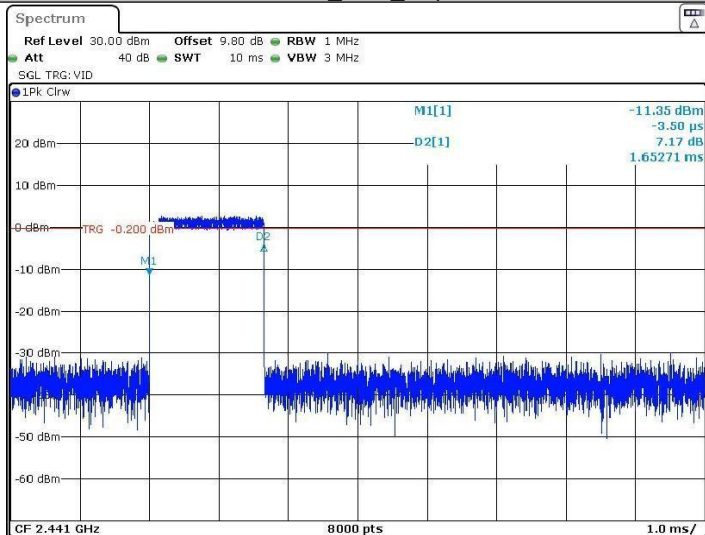


Date: 16 MAY 2022 12:35:26

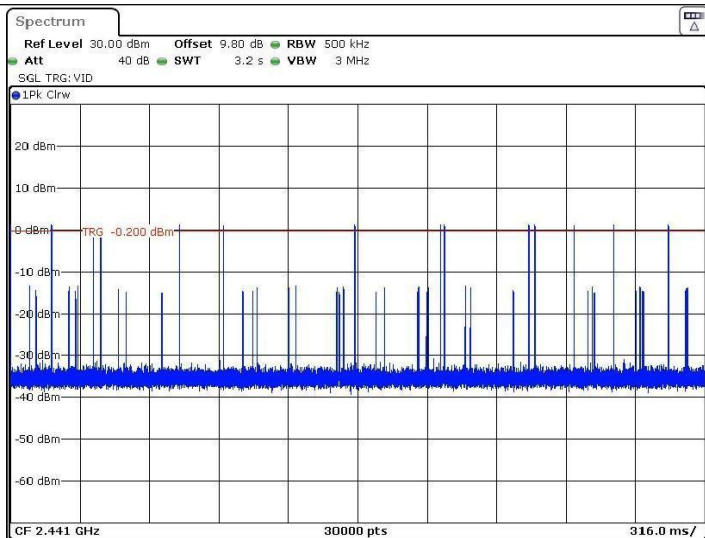


Date: 16 MAY 2022 12:35:32

2DH3_Ant1_Hop

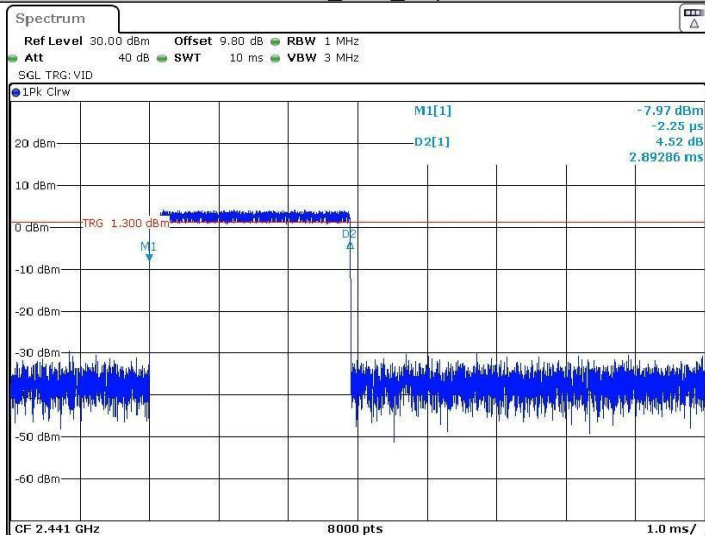


Date: 16 MAY 2022 12:36:29

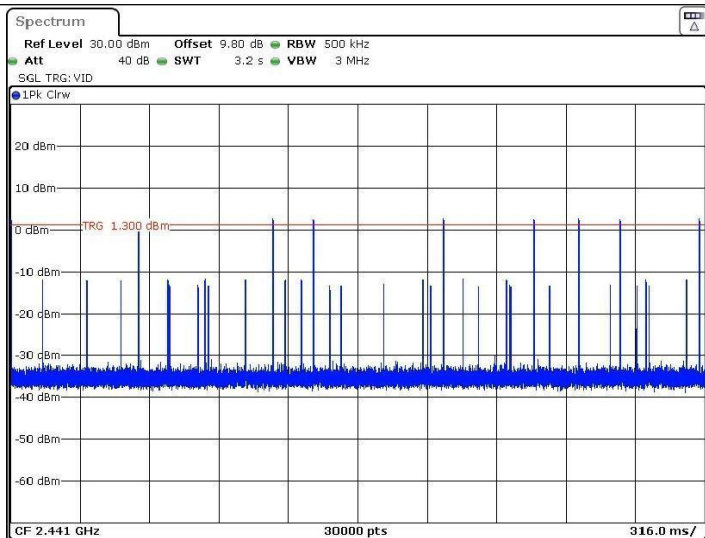


Date: 16 MAY 2022 12:36:35

2DH5_Ant1_Hop

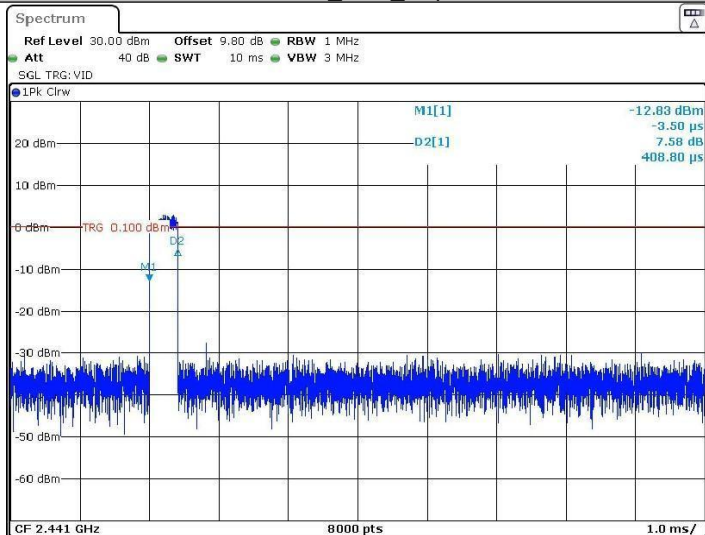


Date: 29. APR 2022 08:15:40

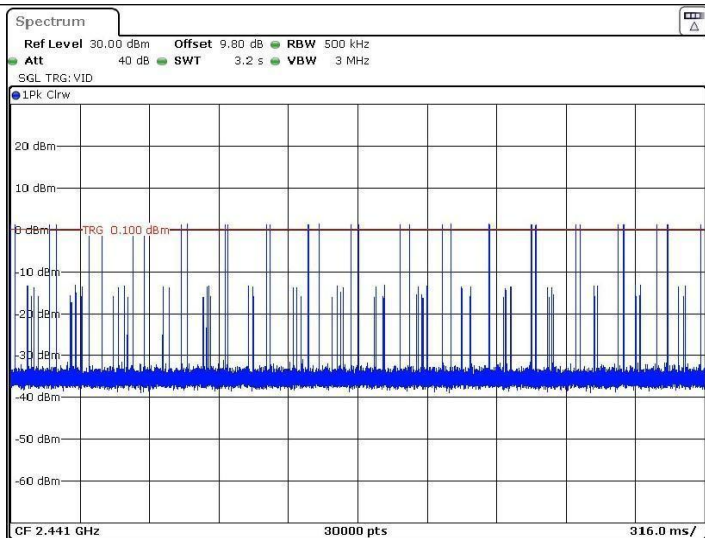


Date: 29. APR 2022 08:15:46

3DH1_Ant1_Hop

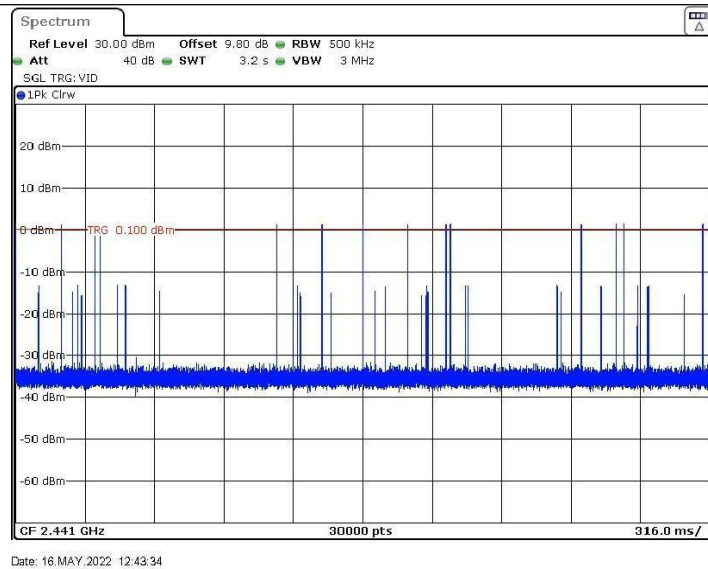
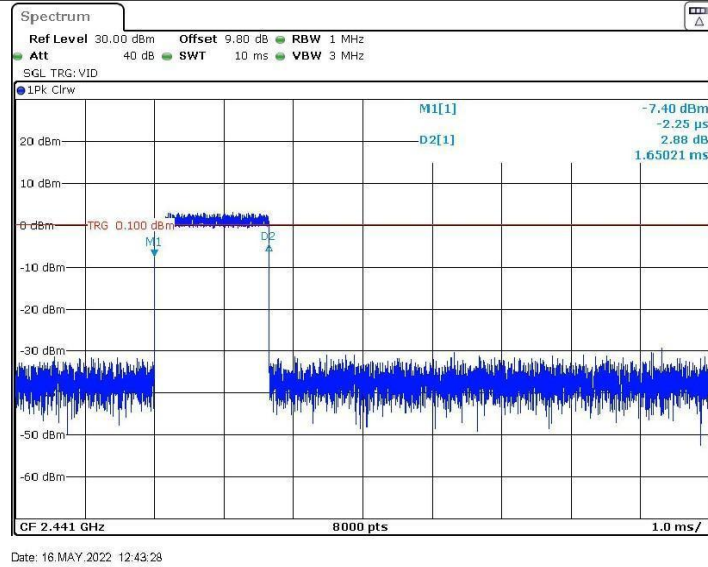


Date: 16 MAY 2022 12:42:33

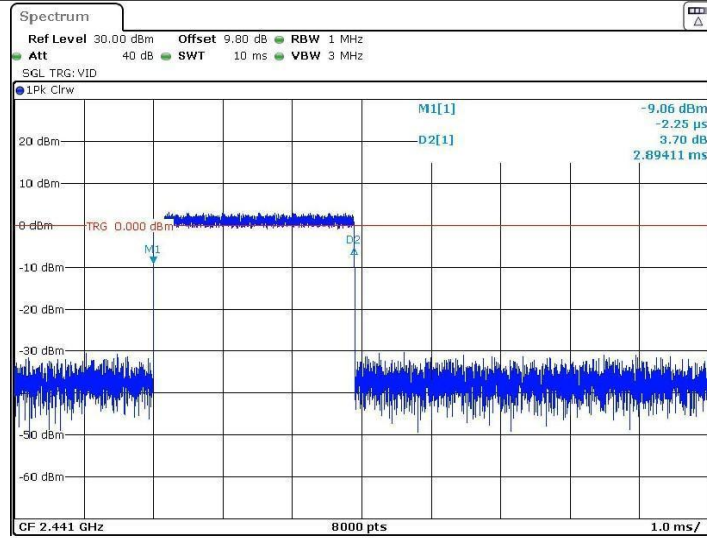


Date: 16 MAY 2022 12:42:39

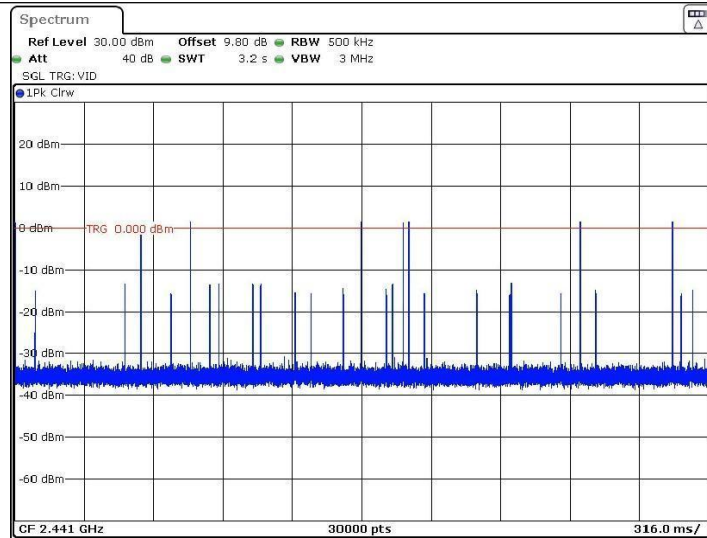
3DH3_Ant1_Hop



3DH5_Ant1_Hop

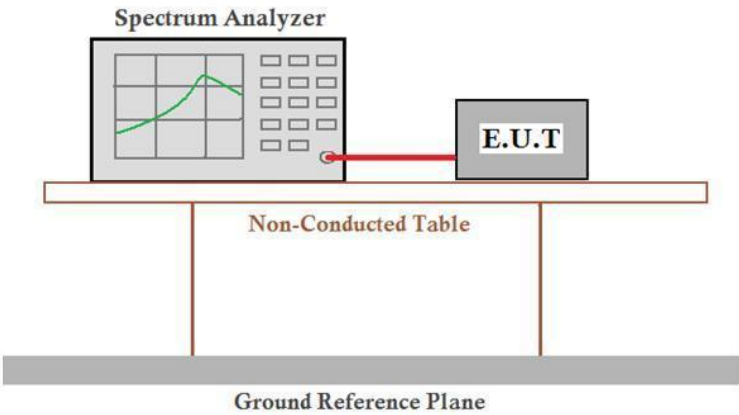


Date: 16 MAY 2022 12:40:11



Date: 16 MAY 2022 12:40:16

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:	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

Measurement Data

L

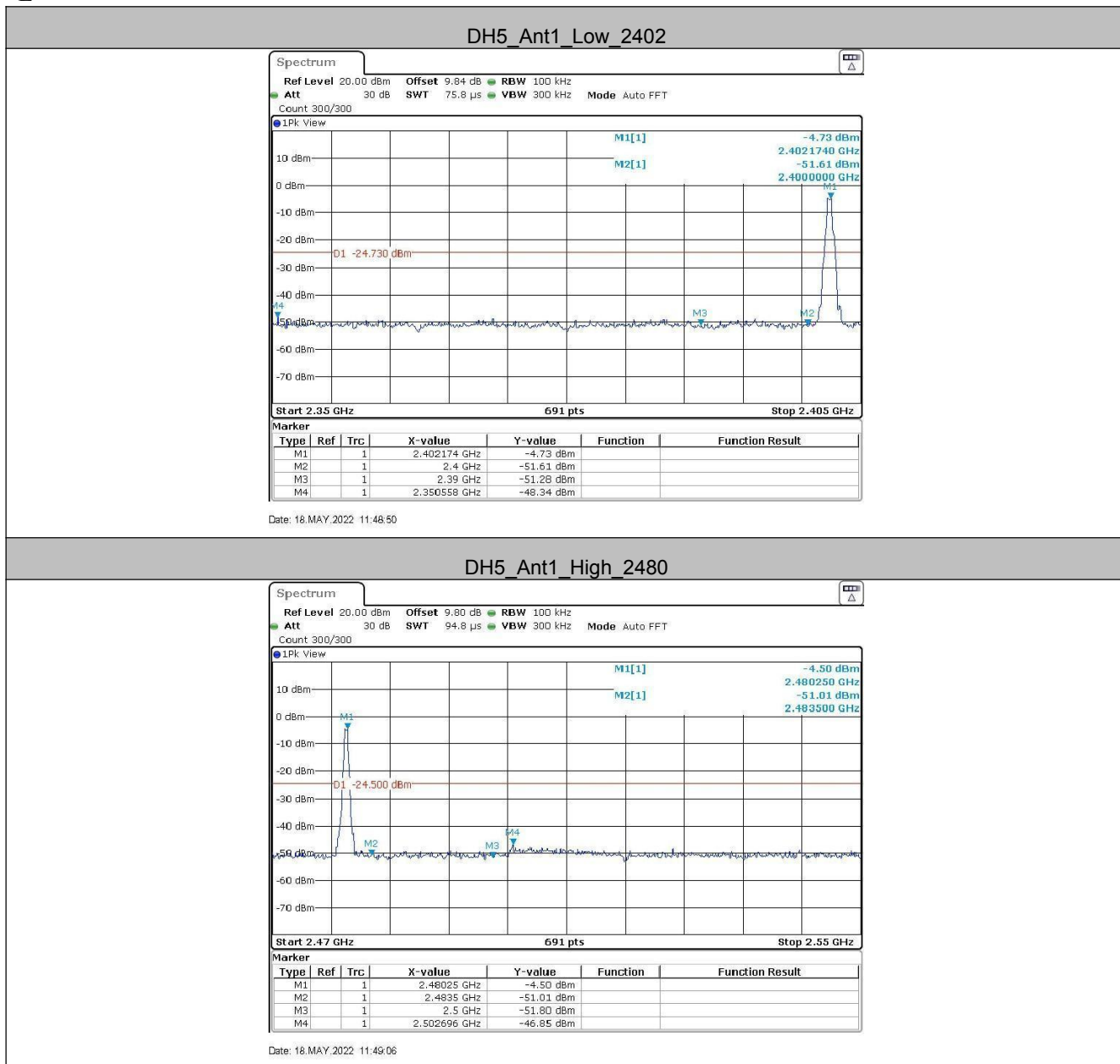
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.73	-48.34	≤-24.73	PASS
		High	2480	-4.50	-46.85	≤-24.5	PASS
		Low	Hop_2402	-48.82	-48.82	≤-68.82	PASS
		High	Hop_2480	-46.33	-46.33	≤-66.33	PASS
2DH5	Ant1	Low	2402	-4.88	-47.87	≤-24.88	PASS
		High	2480	-4.65	-47.31	≤-24.65	PASS
		Low	Hop_2402	-48.29	-48.29	≤-68.29	PASS
		High	Hop_2480	-47.24	-47.24	≤-67.24	PASS
3DH5	Ant1	Low	2402	-4.61	-49.09	≤-24.61	PASS
		High	2480	-4.43	-48.11	≤-24.43	PASS
		Low	Hop_2402	-48.15	-48.27	≤-68.15	PASS
		High	Hop_2480	-47.26	-47.26	≤-67.26	PASS

R

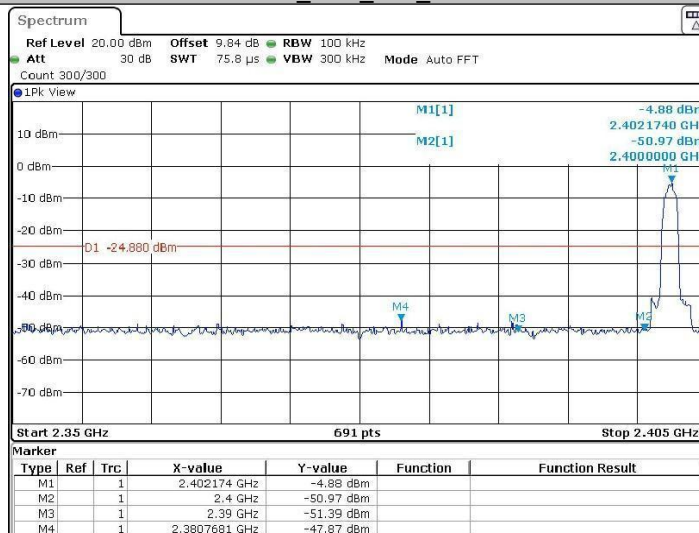
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.70	-49.05	≤-24.7	PASS
		High	2480	-4.49	-46.97	≤-24.49	PASS
		Low	Hop_2402	-5.32	-48.61	≤-25.32	PASS
		High	Hop_2480	-4.84	-48.2	≤-24.84	PASS
2DH5	Ant1	Low	2402	-4.86	-48.22	≤-24.86	PASS
		High	2480	-4.89	-47.98	≤-24.89	PASS
		Low	Hop_2402	-5.46	-49.01	≤-25.46	PASS
		High	Hop_2480	-5.96	-46.99	≤-25.96	PASS
3DH5	Ant1	Low	2402	-4.61	-48.52	≤-24.61	PASS
		High	2480	-4.41	-47.02	≤-24.41	PASS
		Low	Hop_2402	-4.95	-48.44	≤-24.95	PASS
		High	Hop_2480	-4.19	-47.45	≤-24.19	PASS

Test plot as follows:

L

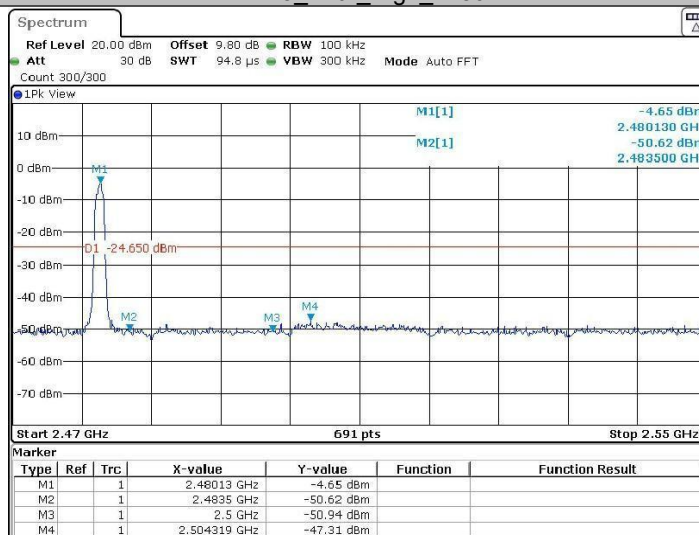


2DH5_Ant1_Low_2402



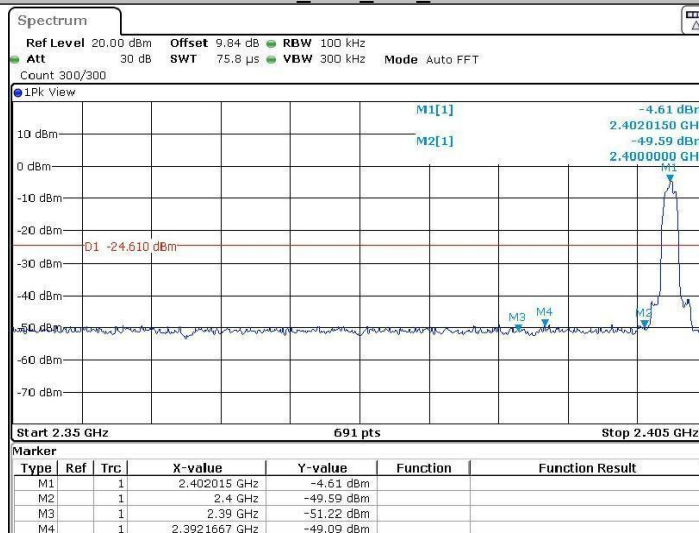
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2DH5_Ant1_High_2480



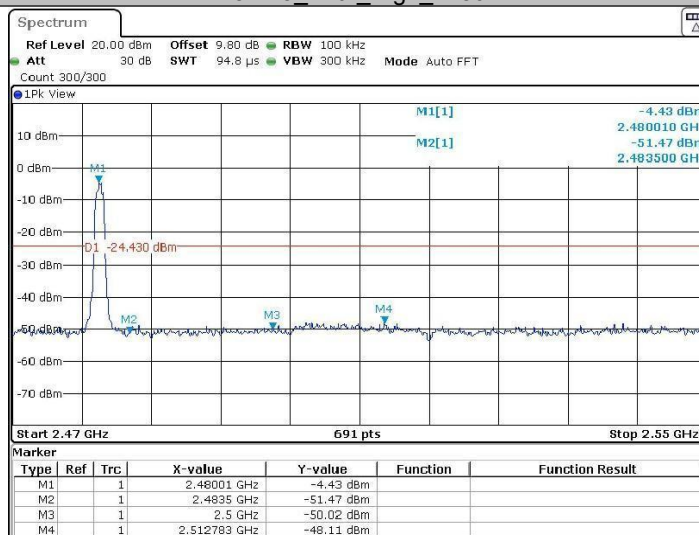
Date: 18.MAY.2022 11:49:39

3DH5_Ant1_Low_2402



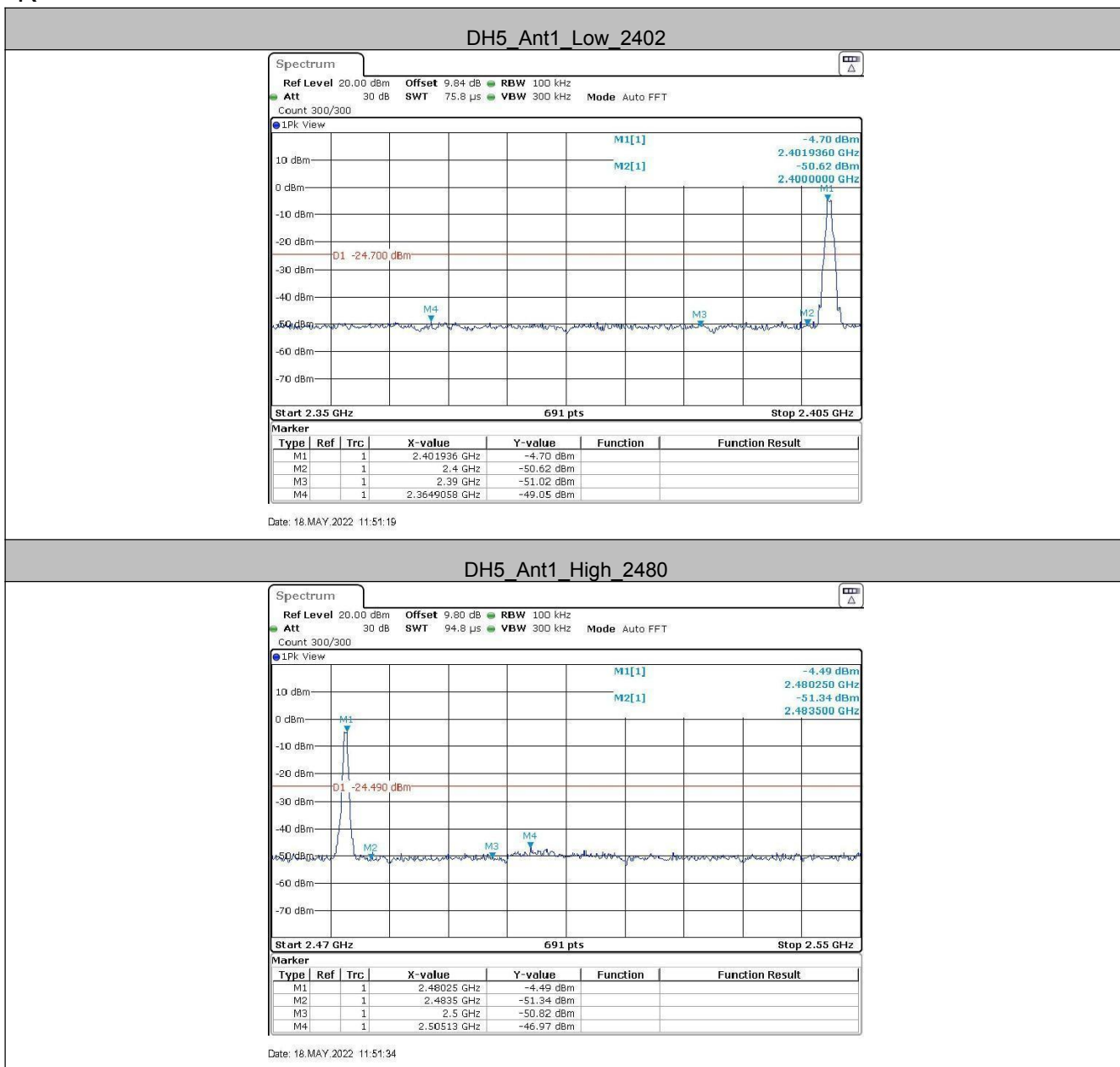
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3DH5_Ant1_High_2480

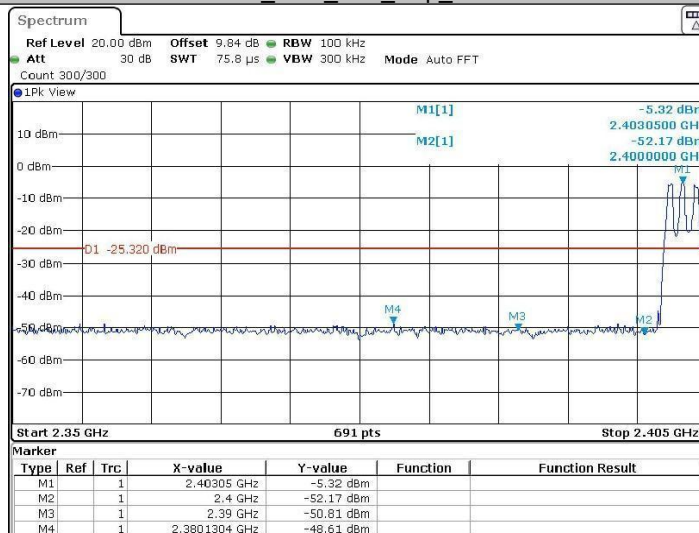


Date: 18.MAY.2022 11:50:12

R



DH5_Ant1_Low_Hop_2402



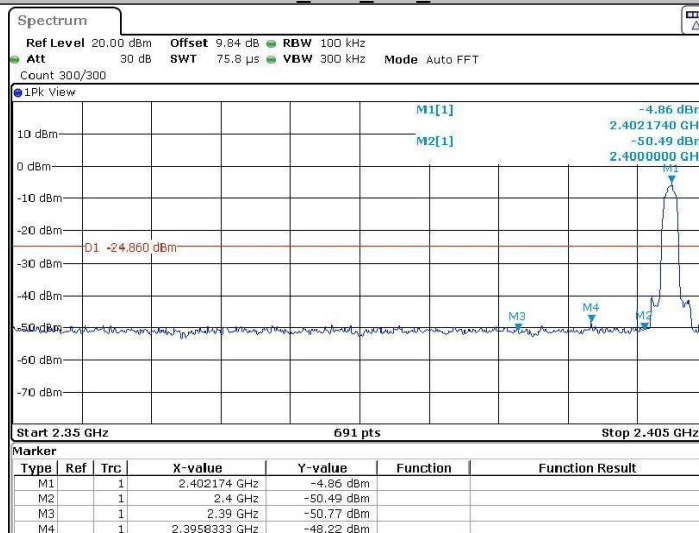
Date: 18.MAY.2022 12:03:32

DH5_Ant1_High_Hop_2480



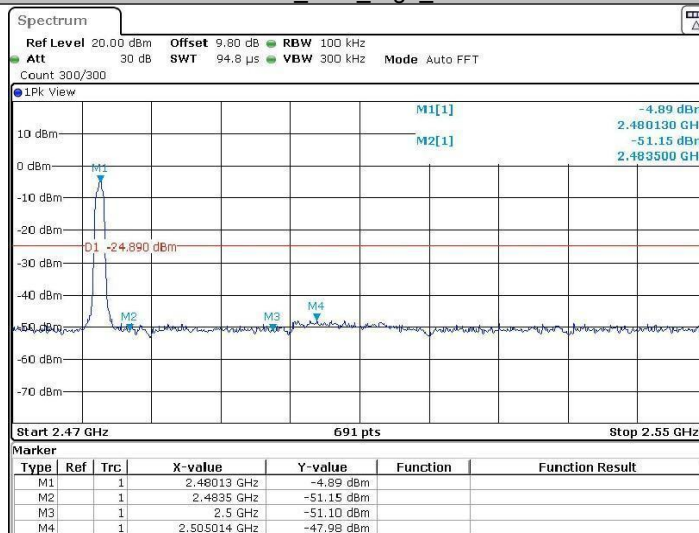
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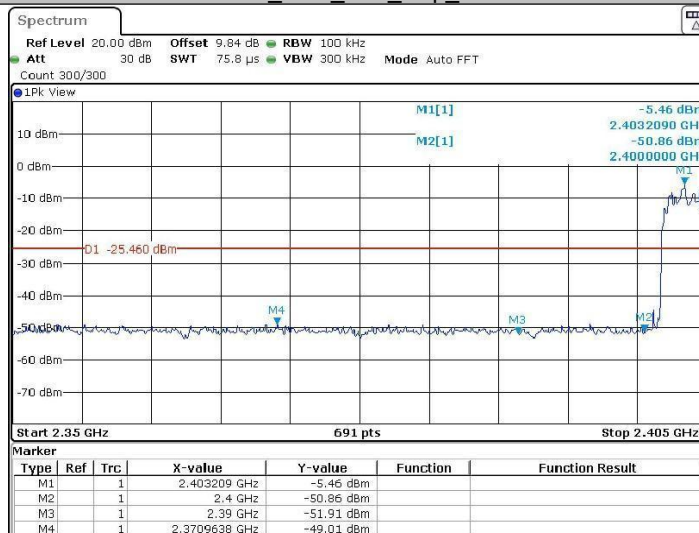
Date: 18.MAY.2022 11:51:51

2DH5_Ant1_High_2480



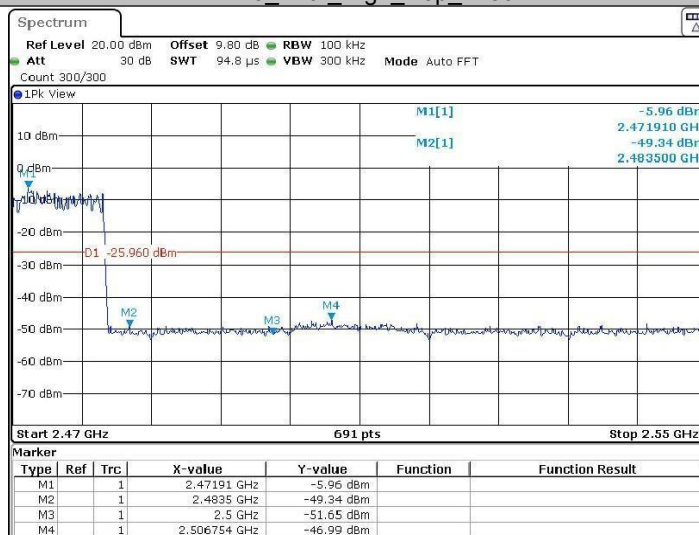
Date: 18.MAY.2022 11:52:13

2DH5_Ant1_Low_Hop_2402



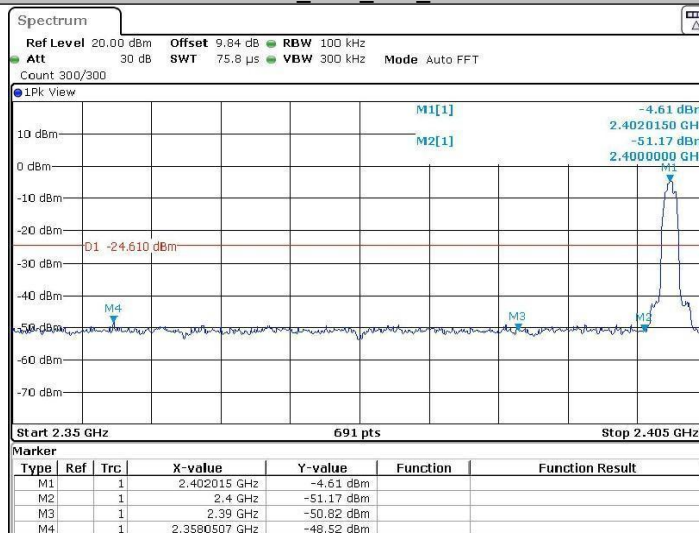
Date: 18.MAY.2022 12:03:58

2DH5_Ant1_High_Hop_2480



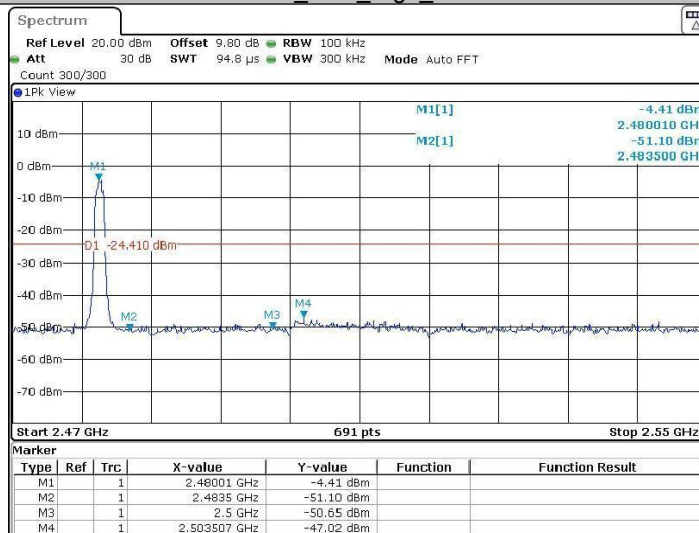
Date: 18.MAY.2022 12:04:10

3DH5_Ant1_Low_2402



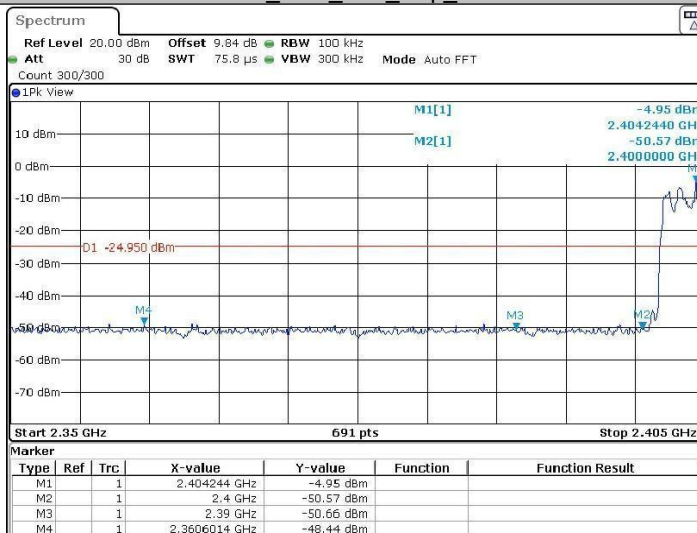
Date: 18.MAY.2022 11:52:38

3DH5_Ant1_High_2480



Date: 18.MAY.2022 11:54:55

3DH5_Ant1_Low_Hop_2402



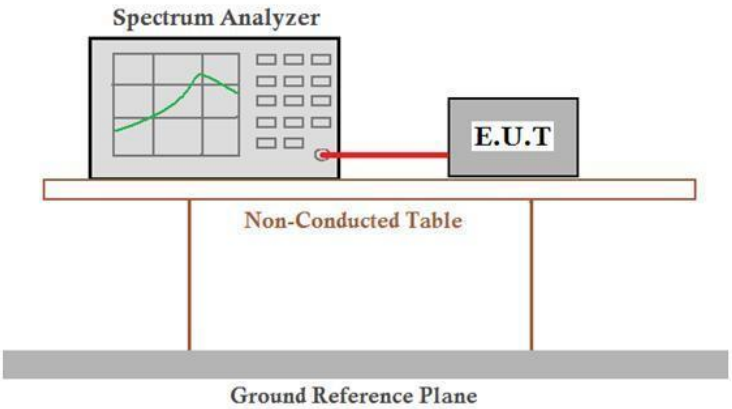
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3DH5_Ant1_High_Hop_2480

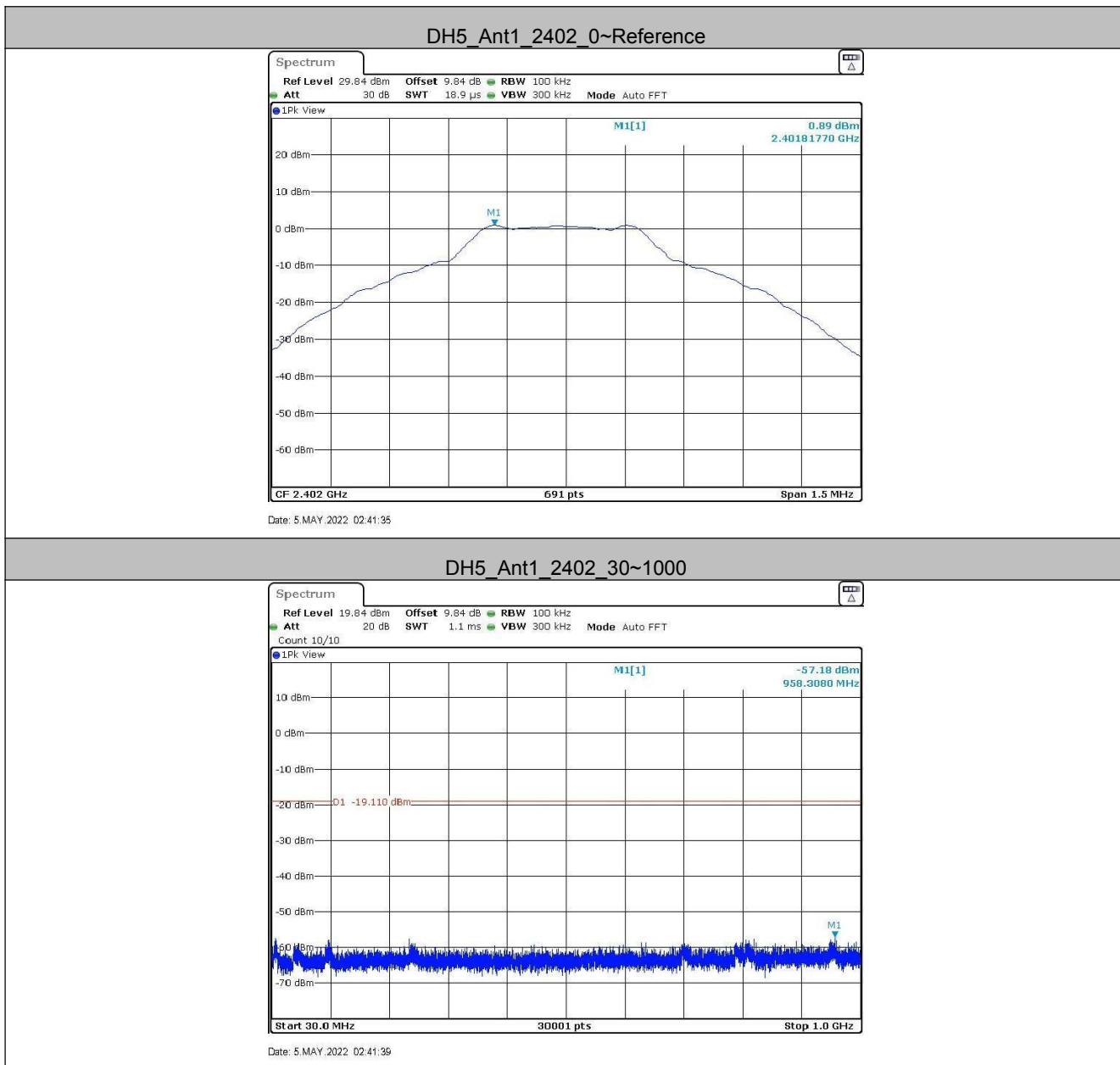


Date: 18.MAY.2022 12:04:35

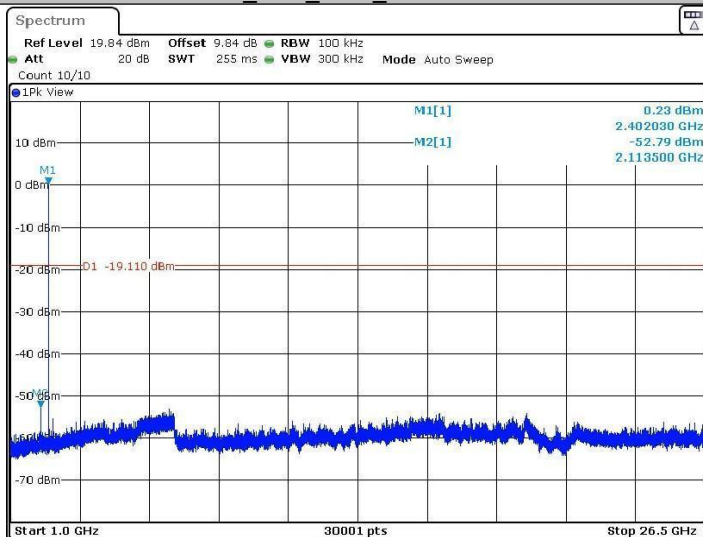
5.9 Spurious RF Conducted Emissions

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

L

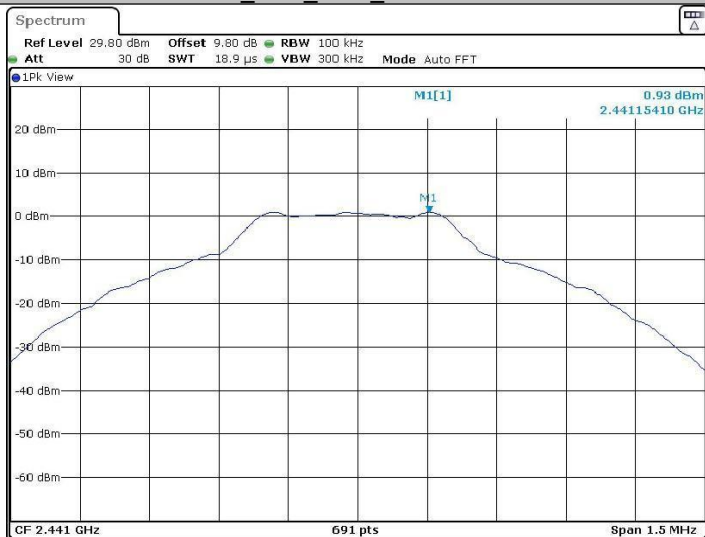


DH5_Ant1_2402_1000~26500



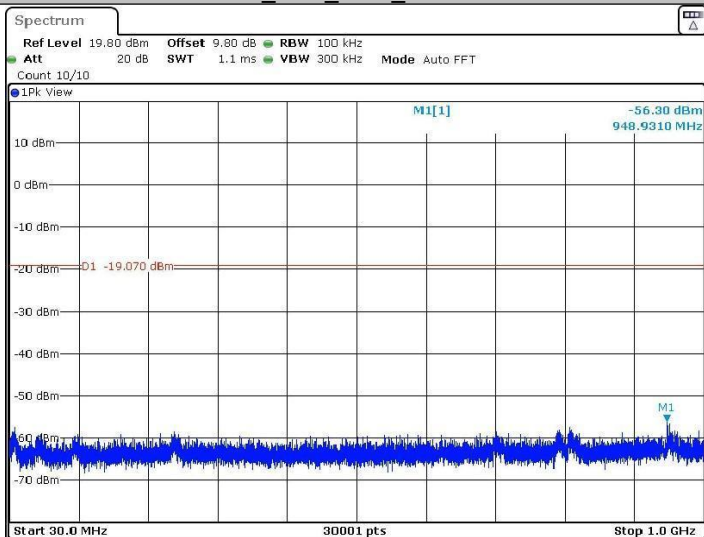
Date: 5 MAY 2022 02:42:01

DH5_Ant1_2441_0~Reference



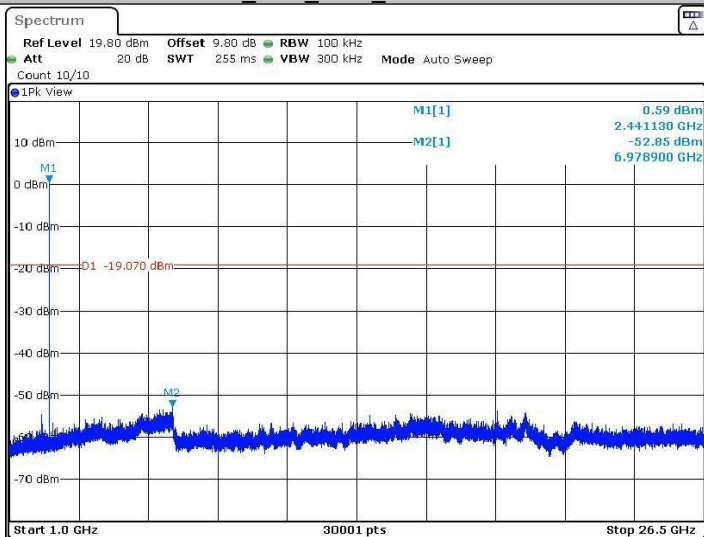
Date: 5 MAY 2022 02:43:05

DH5_Ant1_2441_30~1000



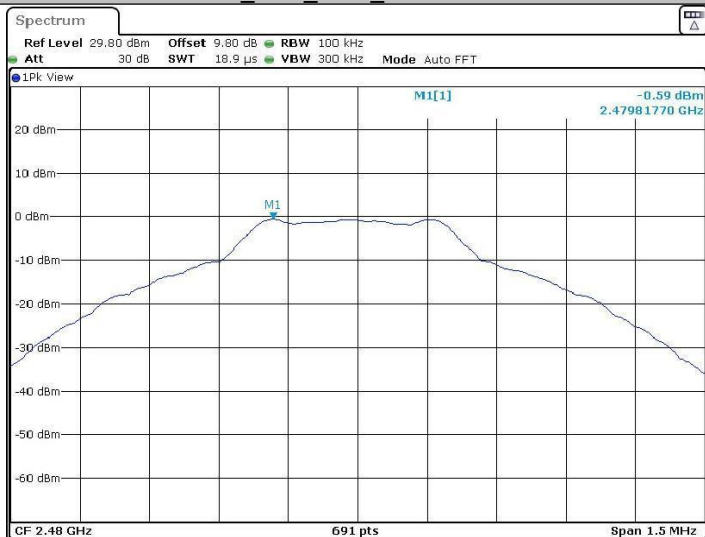
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DH5_Ant1_2441_1000~26500



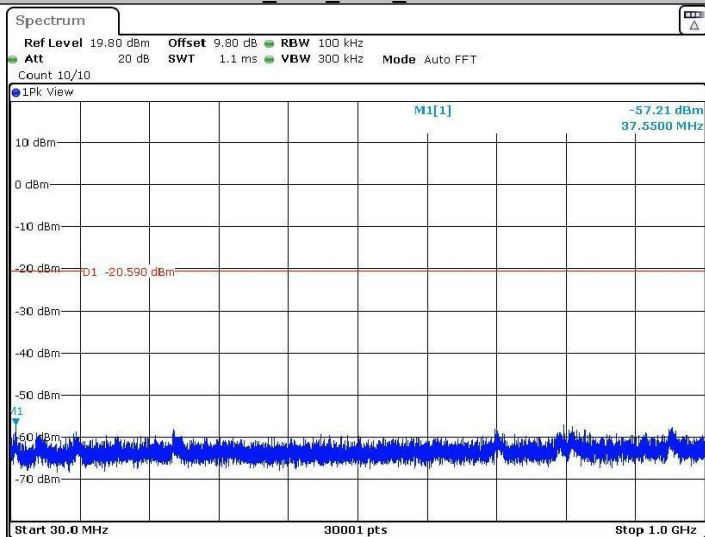
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DH5_Ant1_2480_0~Reference



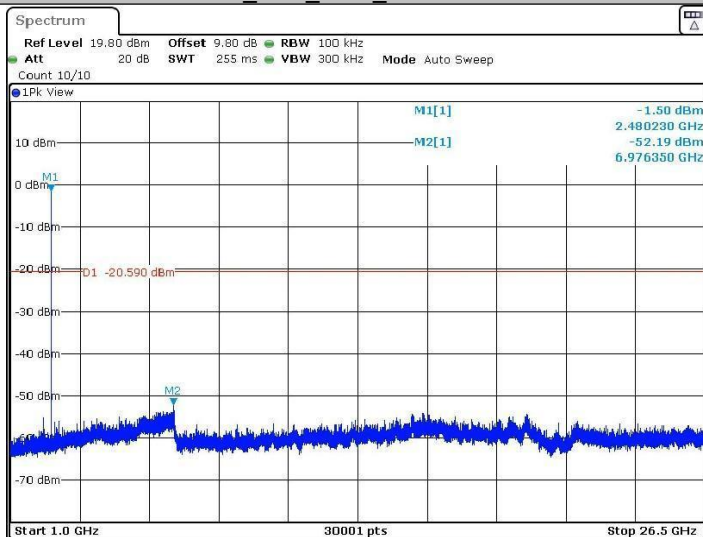
Date: 5 MAY 2022 02:45:30

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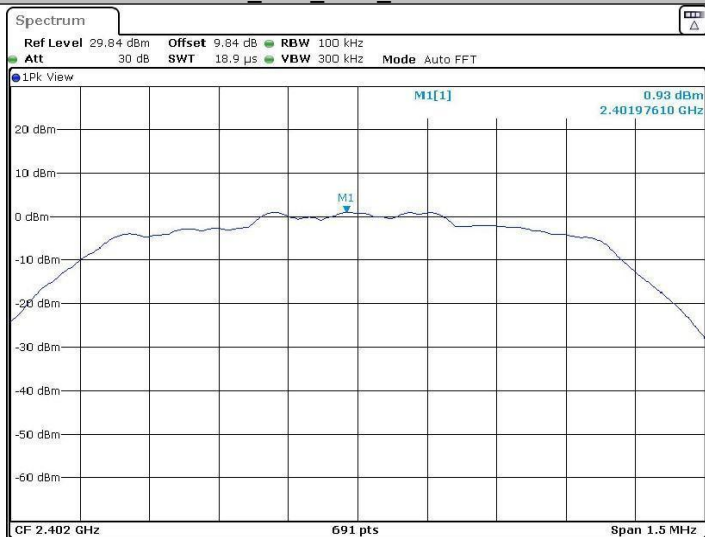
Date: 5 MAY 2022 02:45:34

DH5_Ant1_2480_1000~26500



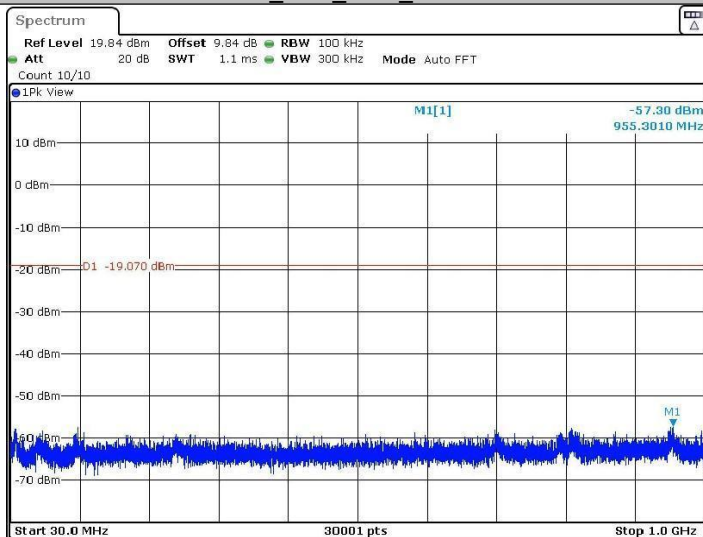
Date: 5 MAY 2022 02:45:56

2DH5_Ant1_2402_0~Reference



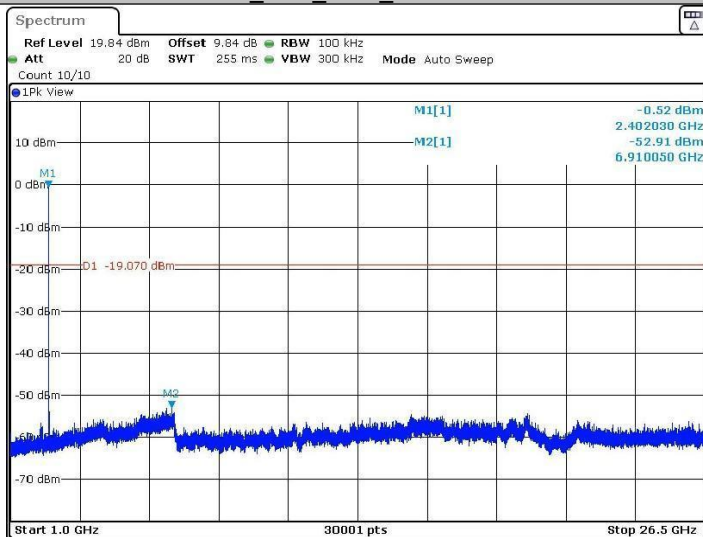
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2DH5_Ant1_2402_30~1000



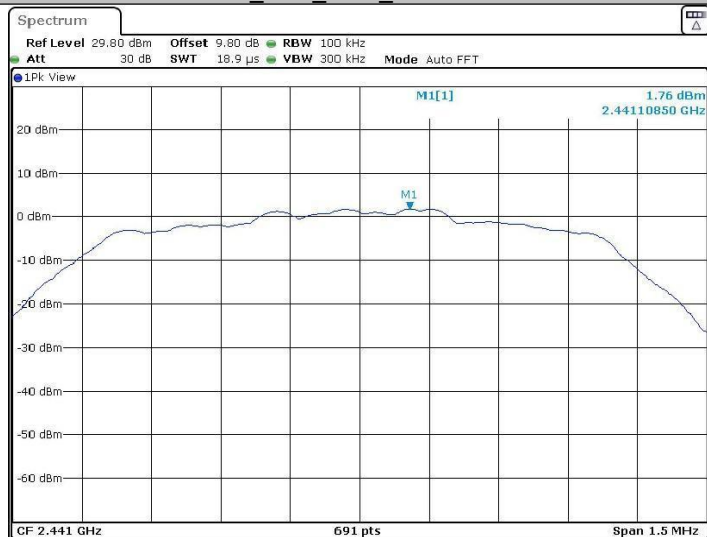
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2DH5_Ant1_2402_1000~26500



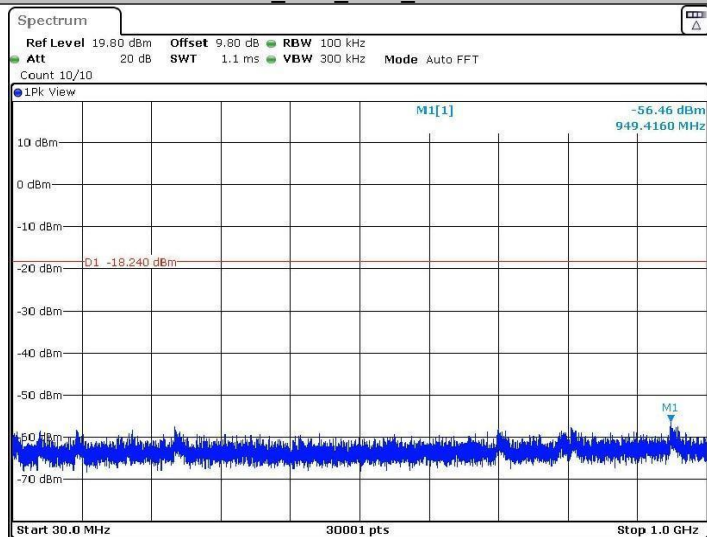
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2DH5_Ant1_2441_0~Reference



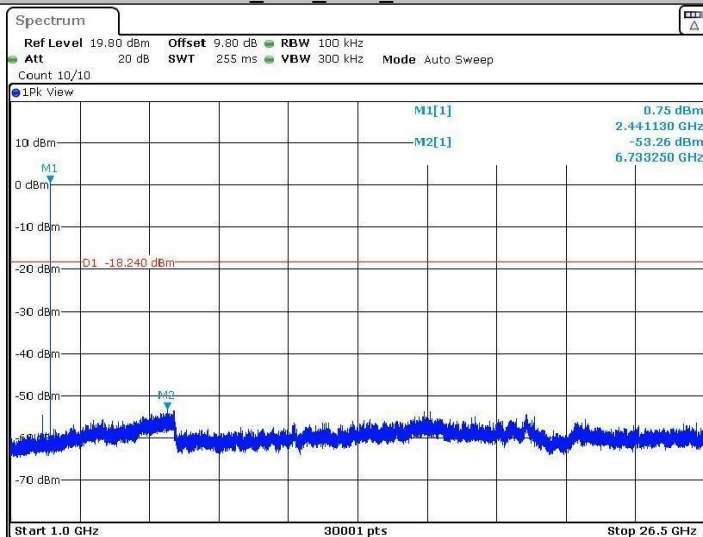
Date: 5 MAY 2022 03:03:03

2DH5_Ant1_2441_30~1000



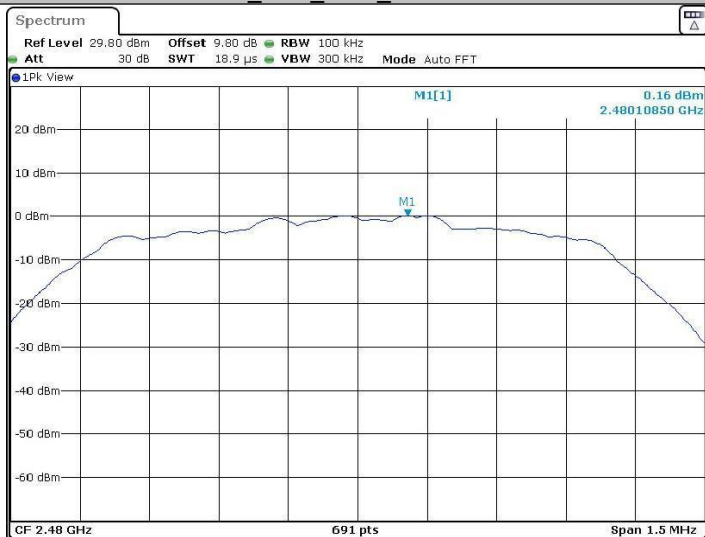
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2DH5_Ant1_2441_1000~26500



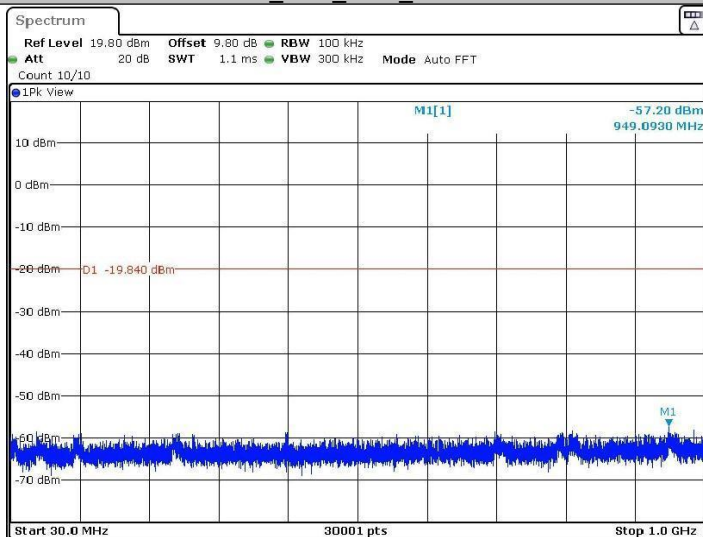
Date: 5 MAY 2022 03:03:29

2DH5_Ant1_2480_0~Reference



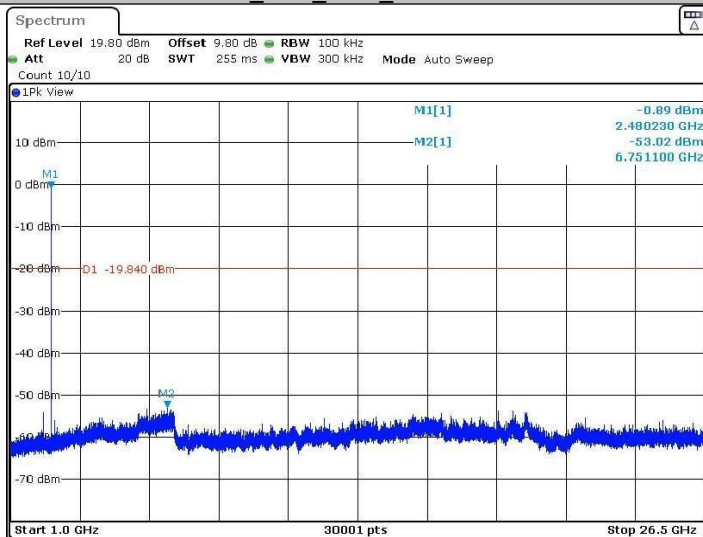
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2DH5_Ant1_2480_30~1000



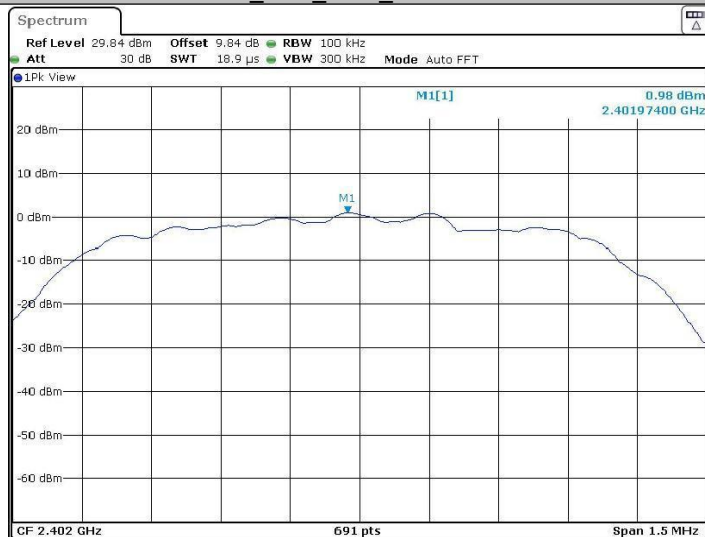
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2DH5_Ant1_2480_1000~26500



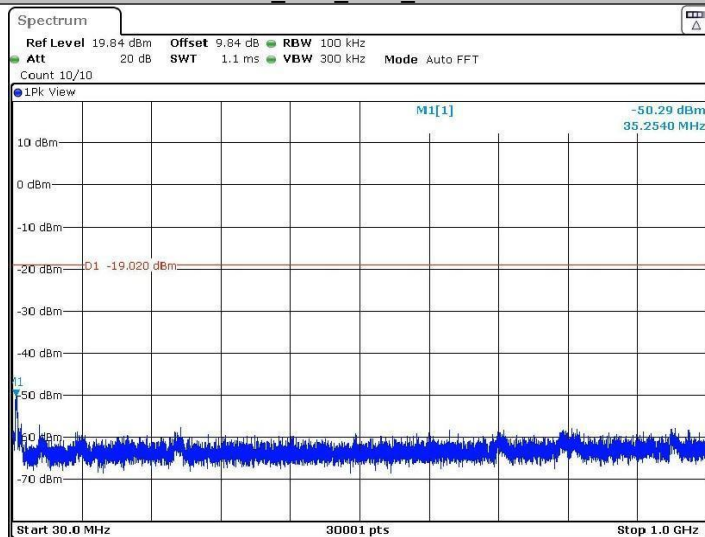
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3DH5_Ant1_2402_0~Reference



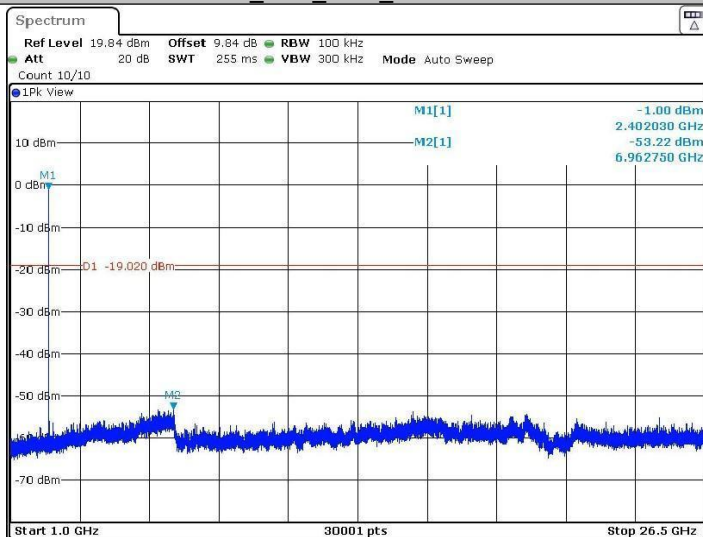
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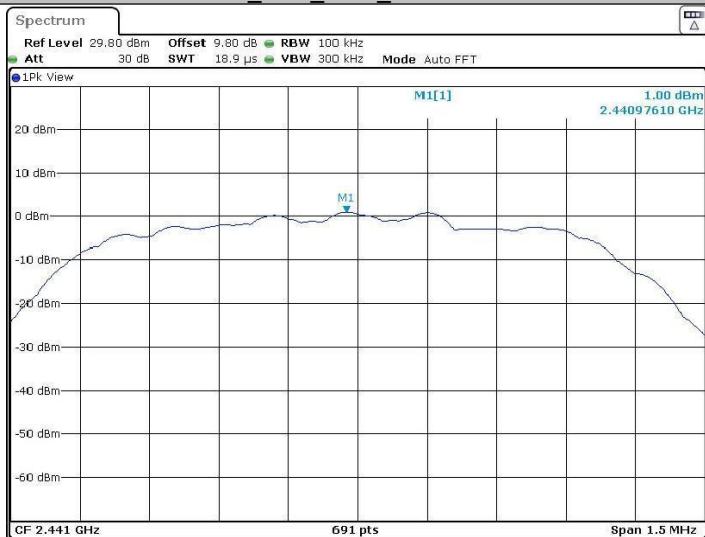
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3DH5_Ant1_2402_1000~26500



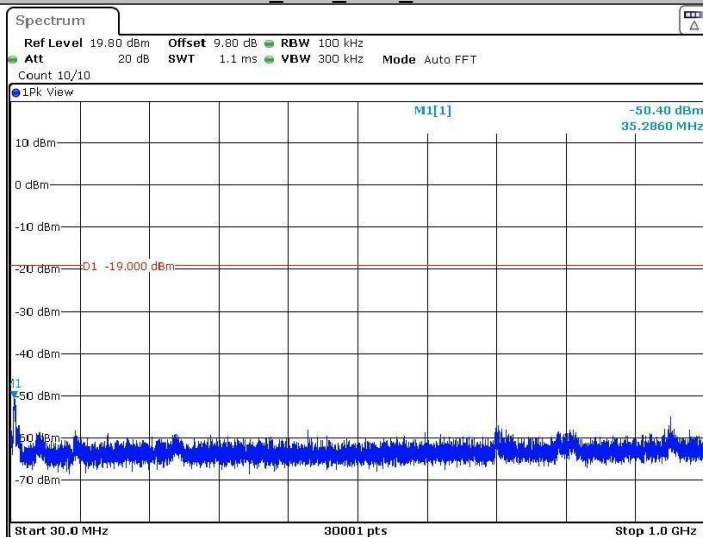
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3DH5_Ant1_2441_0~Reference



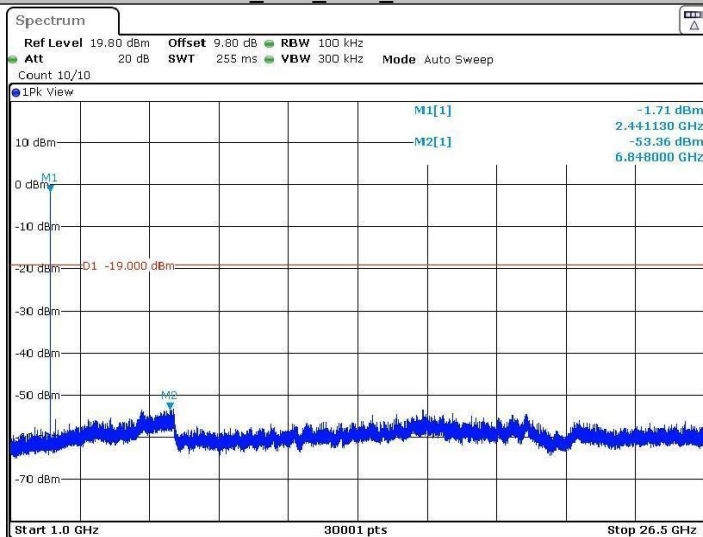
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3DH5_Ant1_2441_30~1000



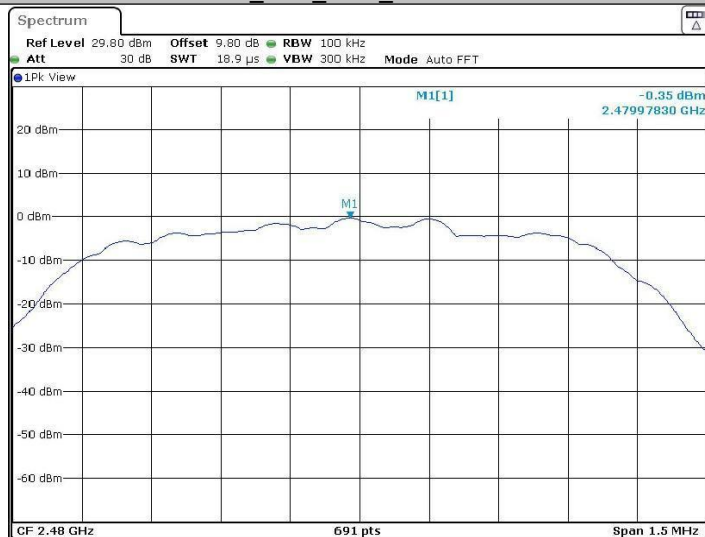
Date: 16 MAY 2022 12:05:08

3DH5_Ant1_2441_1000~26500



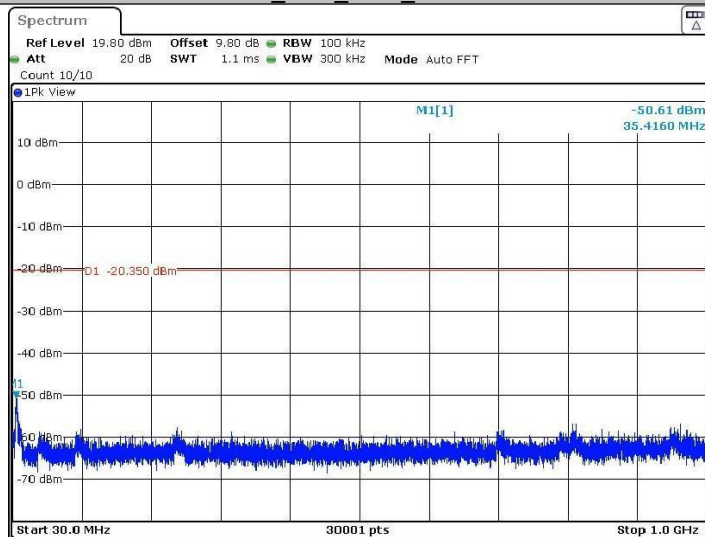
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3DH5_Ant1_2480_0~Reference

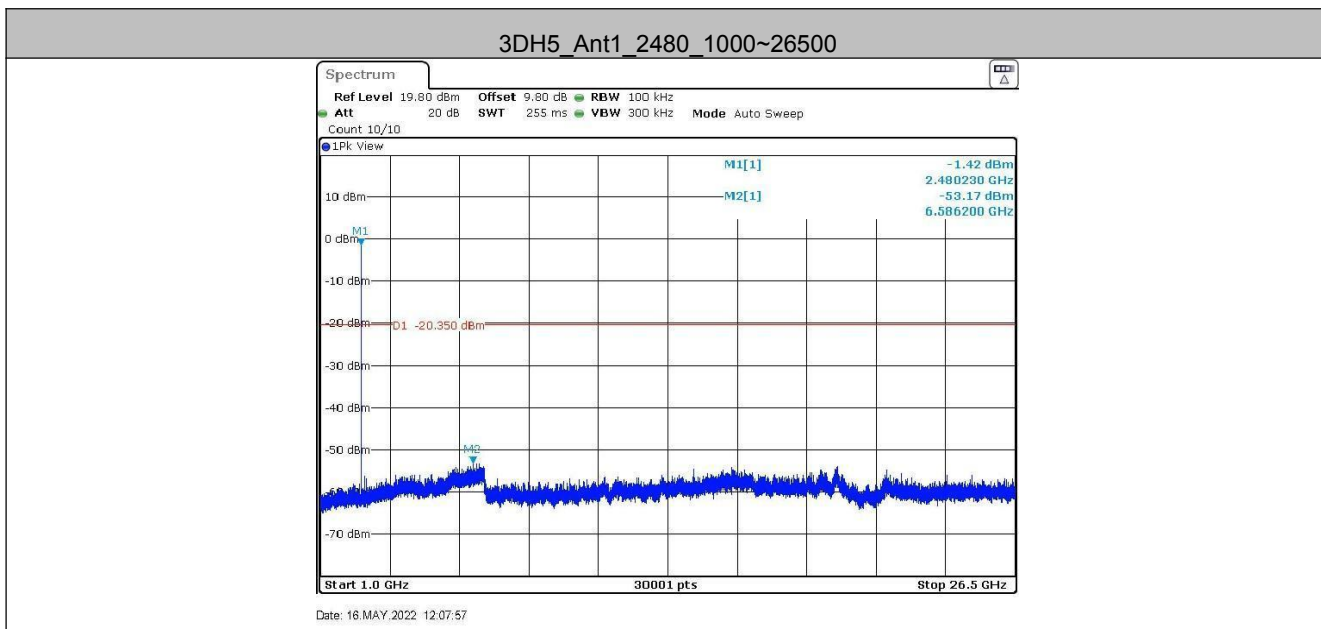


Date: 16 MAY 2022 12:07:31

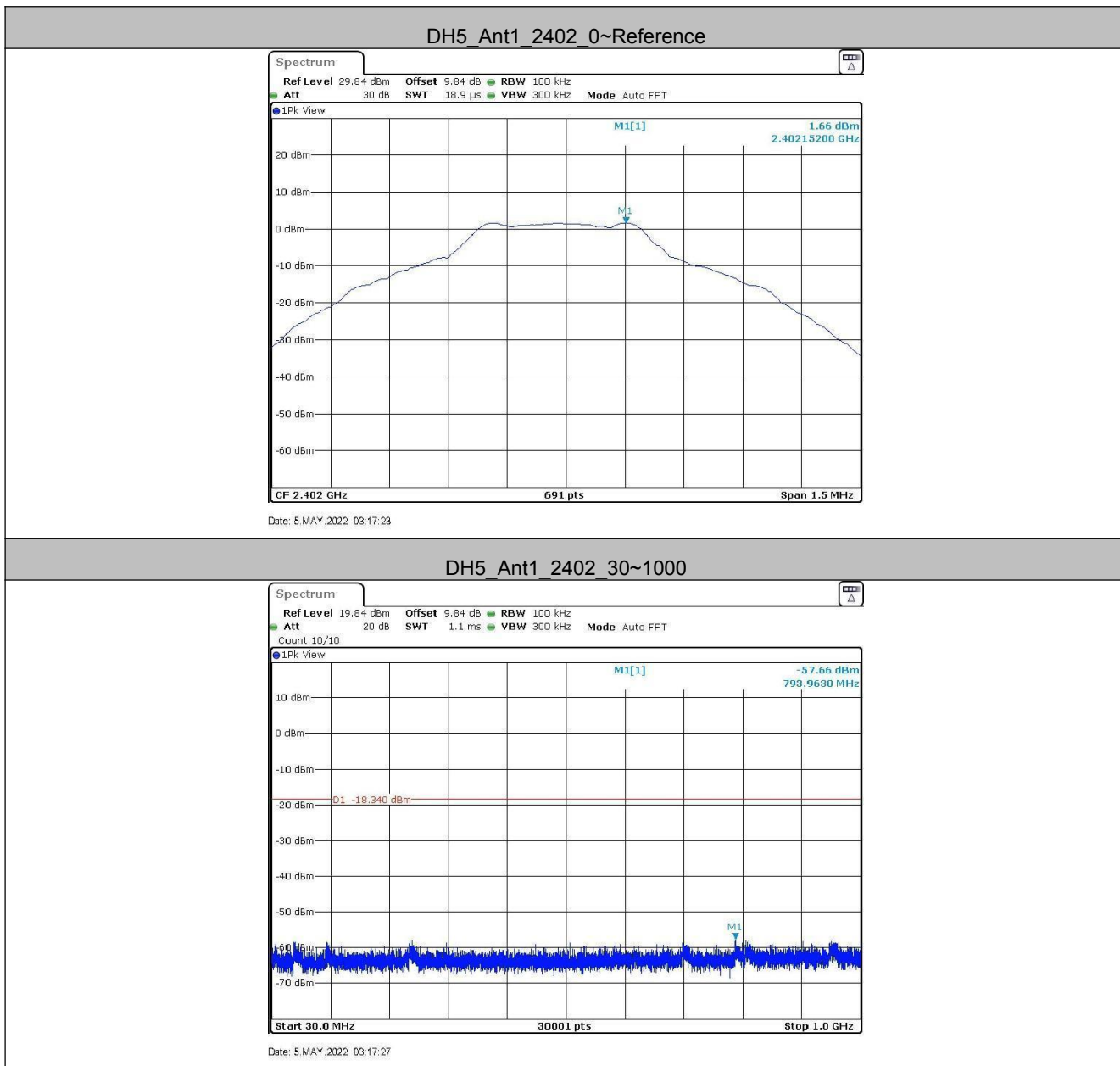
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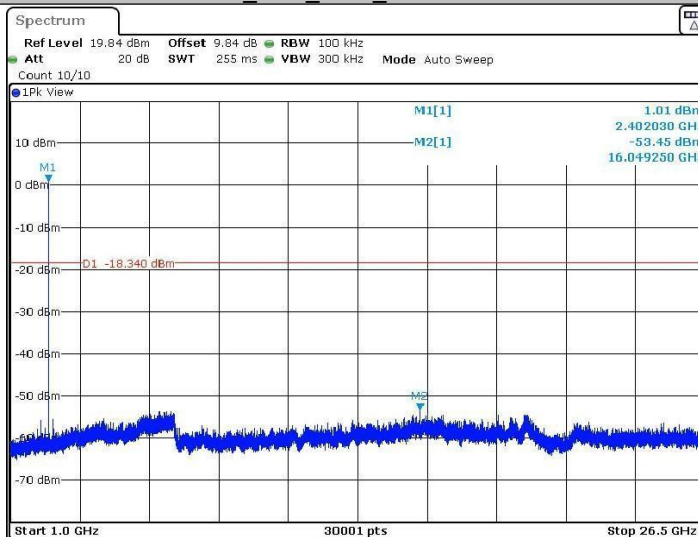
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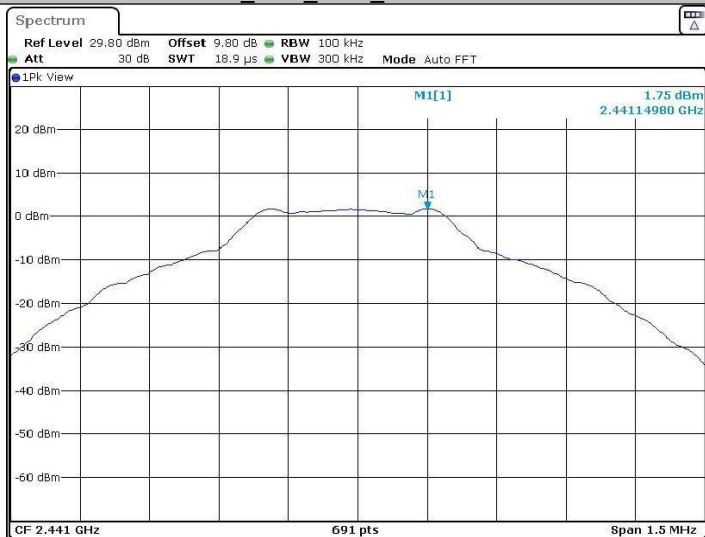


DH5_Ant1_2402_1000~26500



Date: 5 MAY 2022 03:17:49

DH5_Ant1_2441_0~Reference



Date: 5 MAY 2022 03:20:07