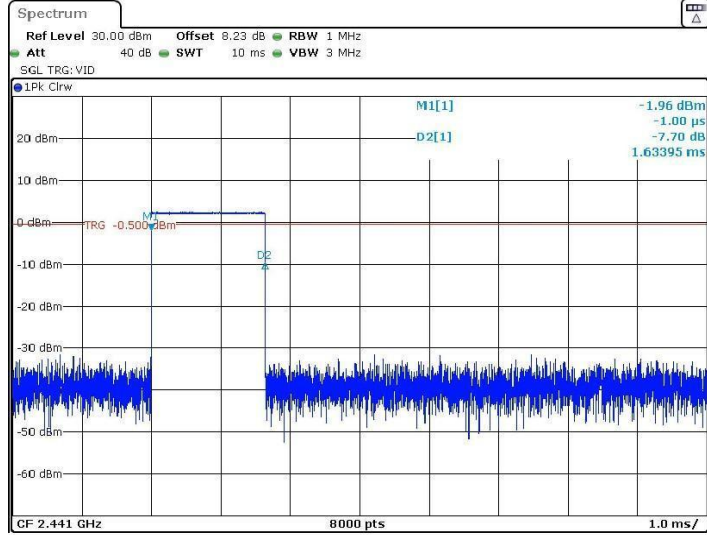
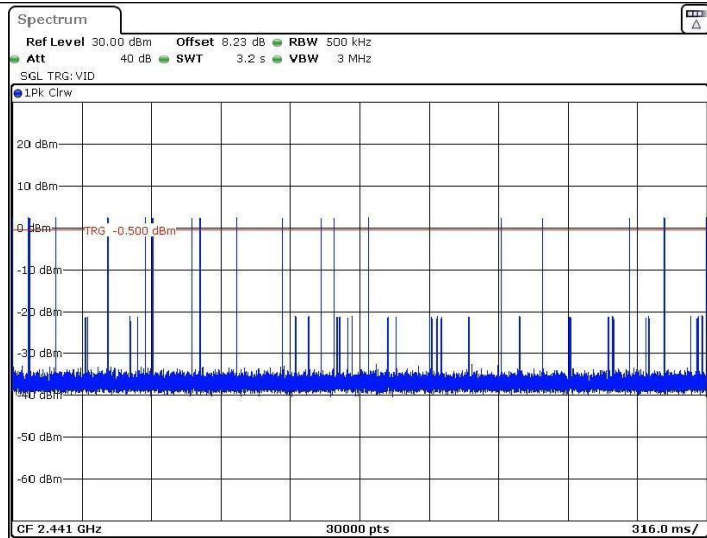


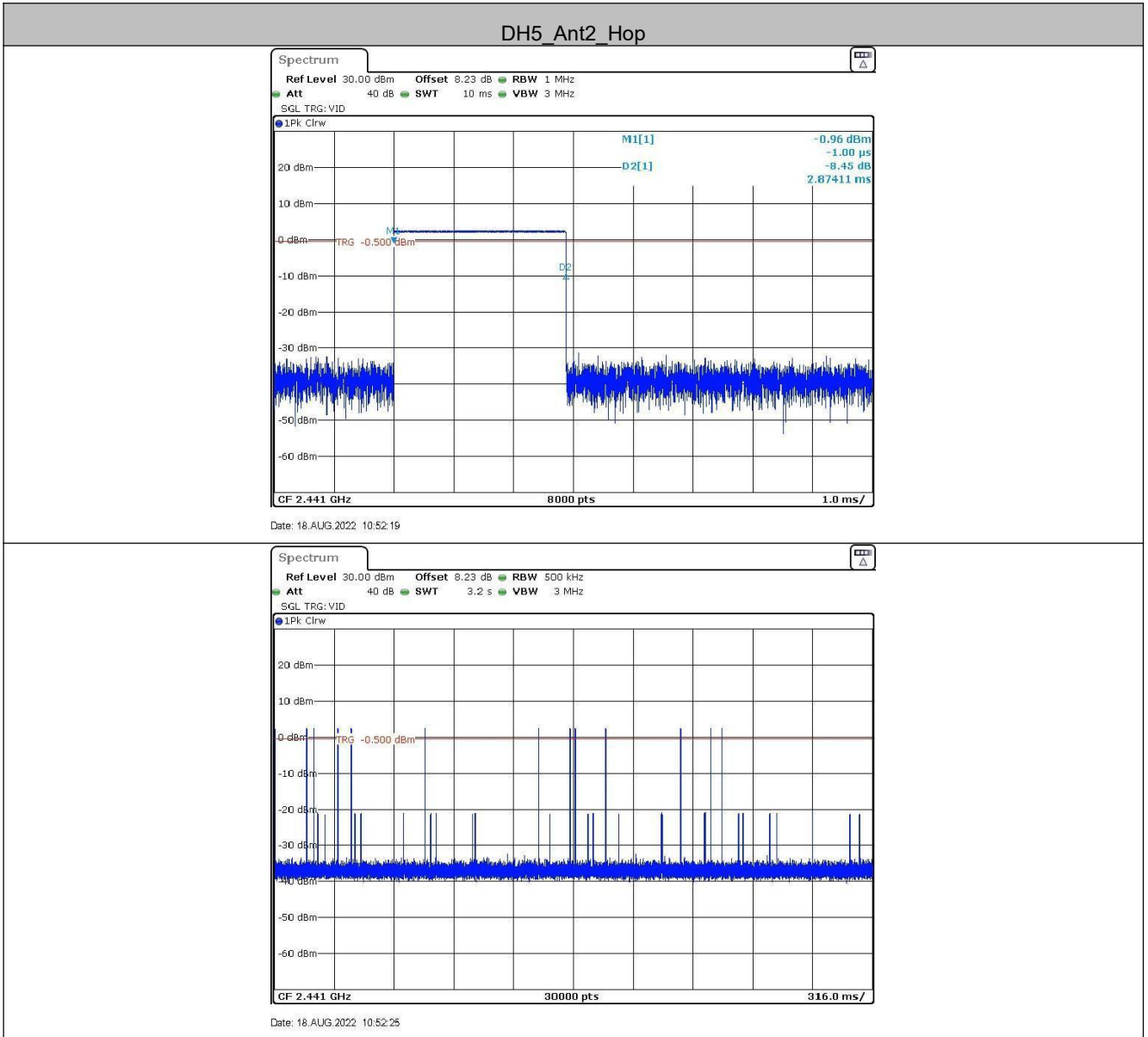
DH3_Ant2_Hop

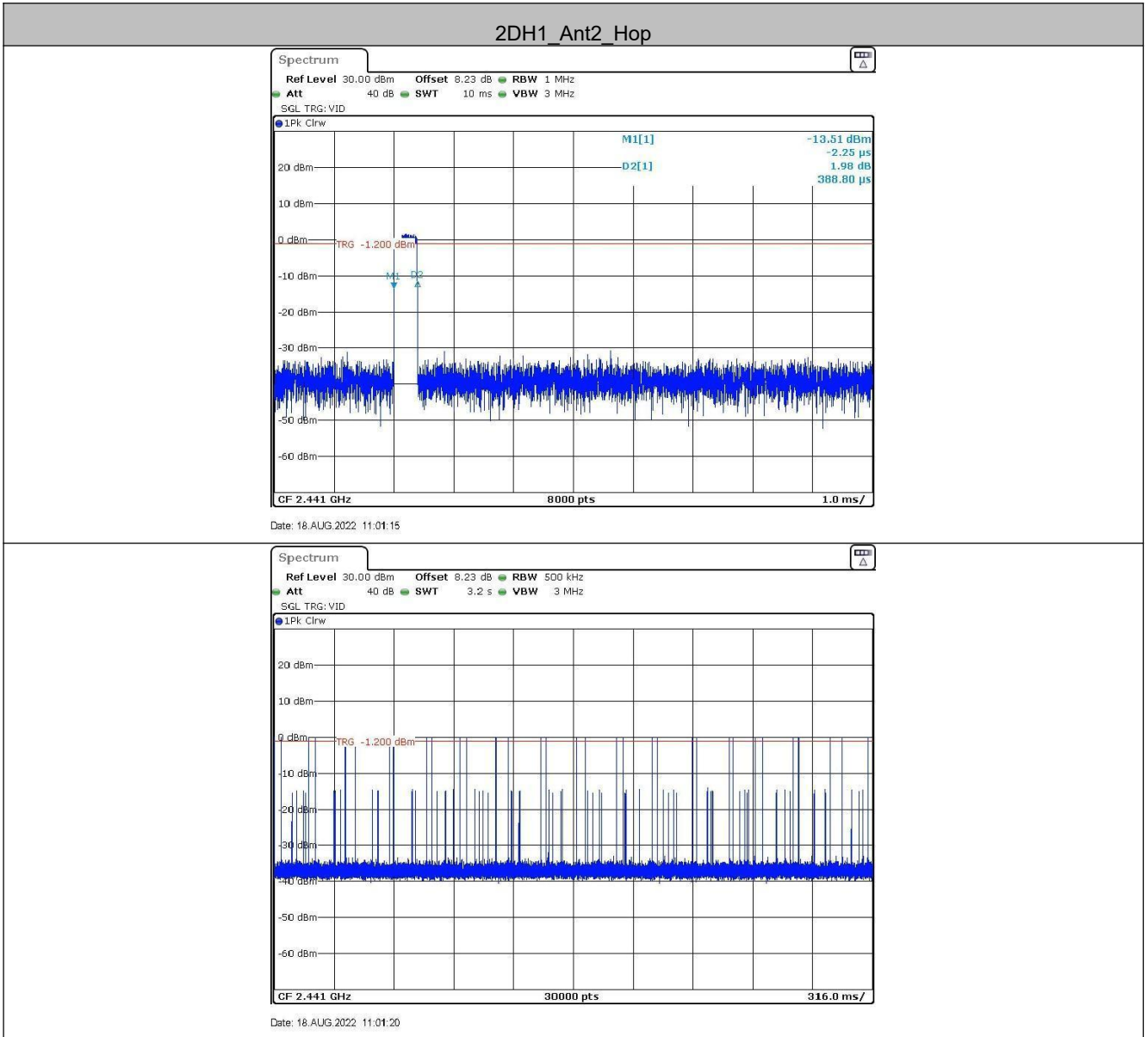


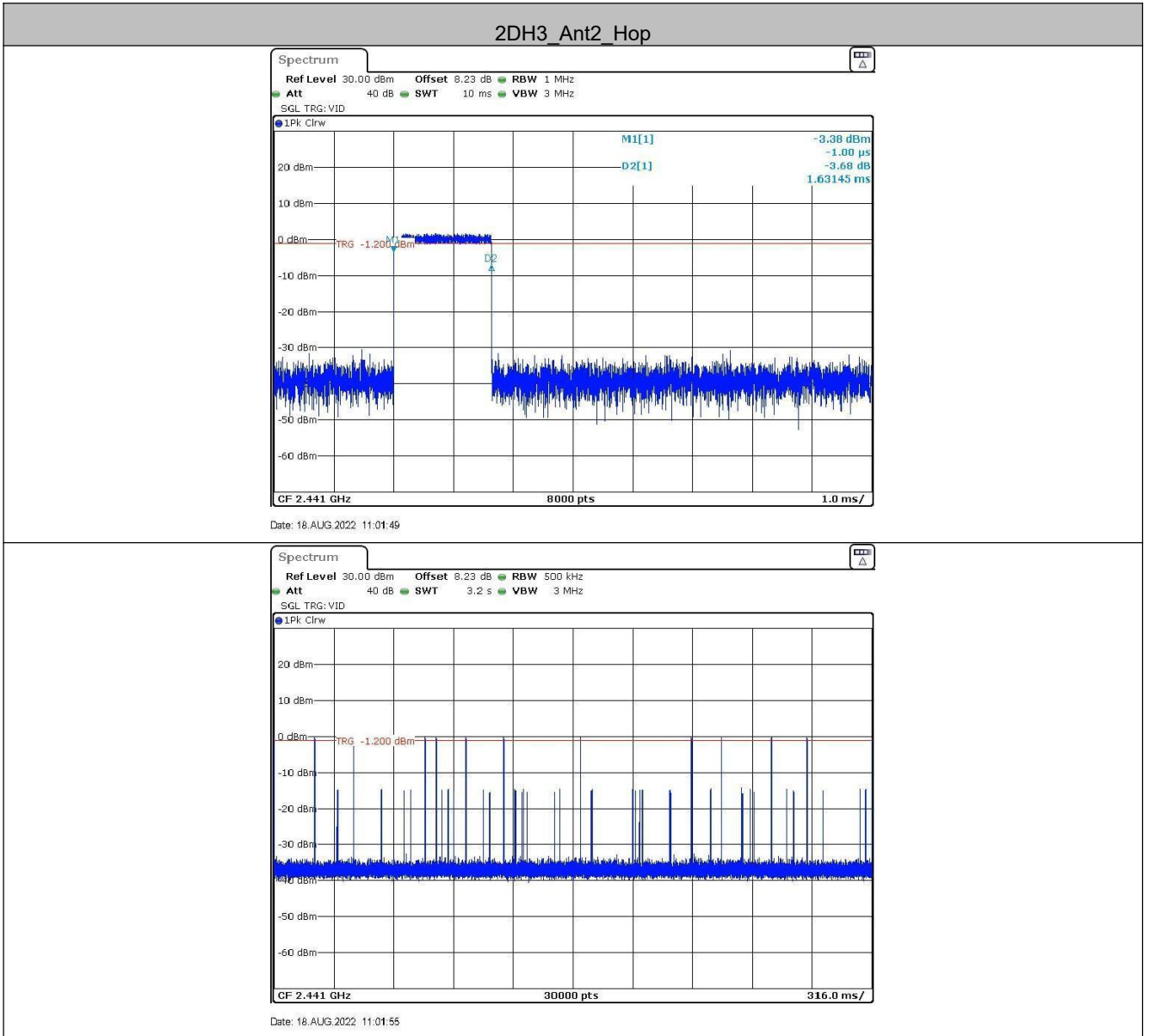
Date: 18.AUG.2022 10:53:52

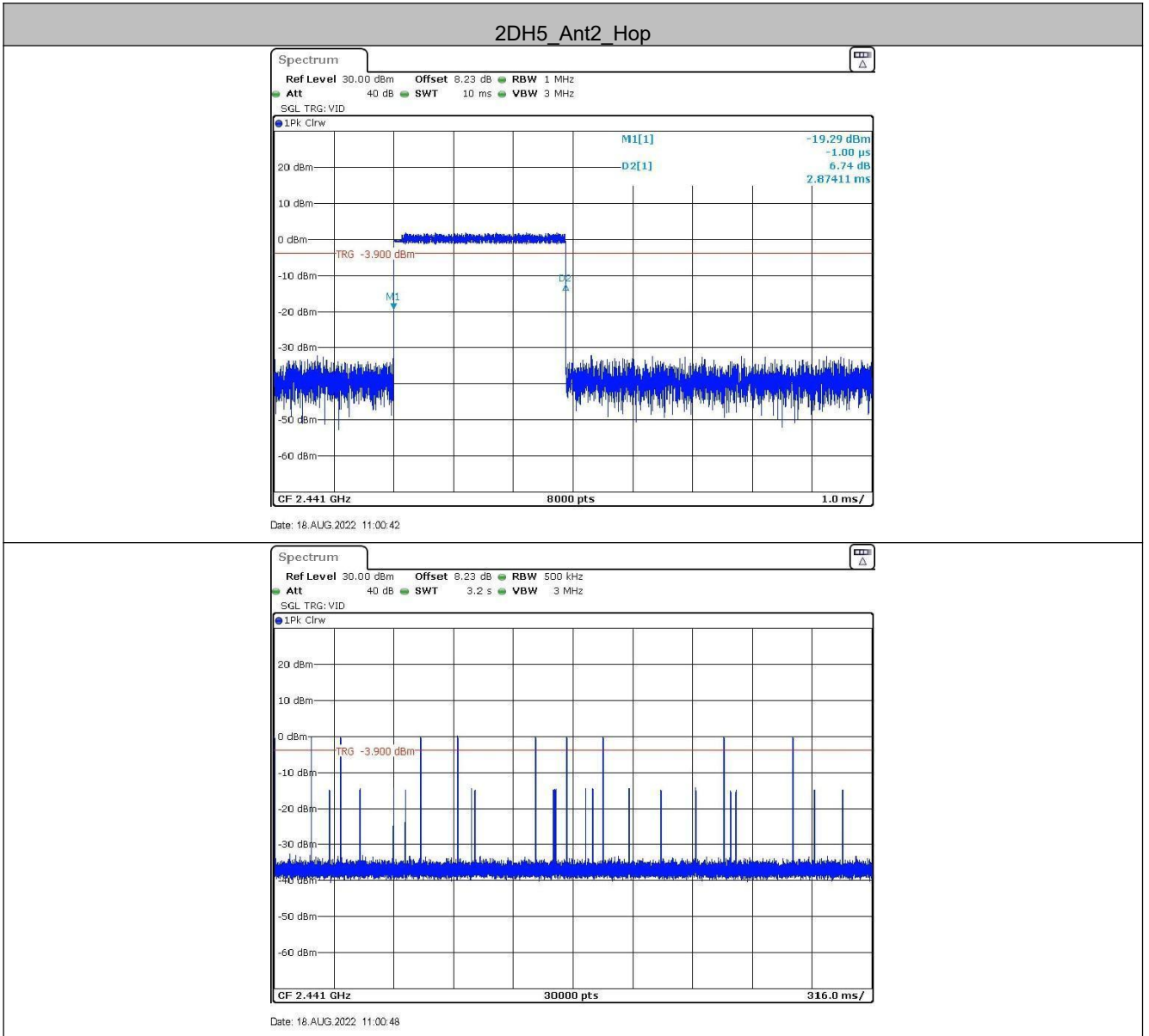


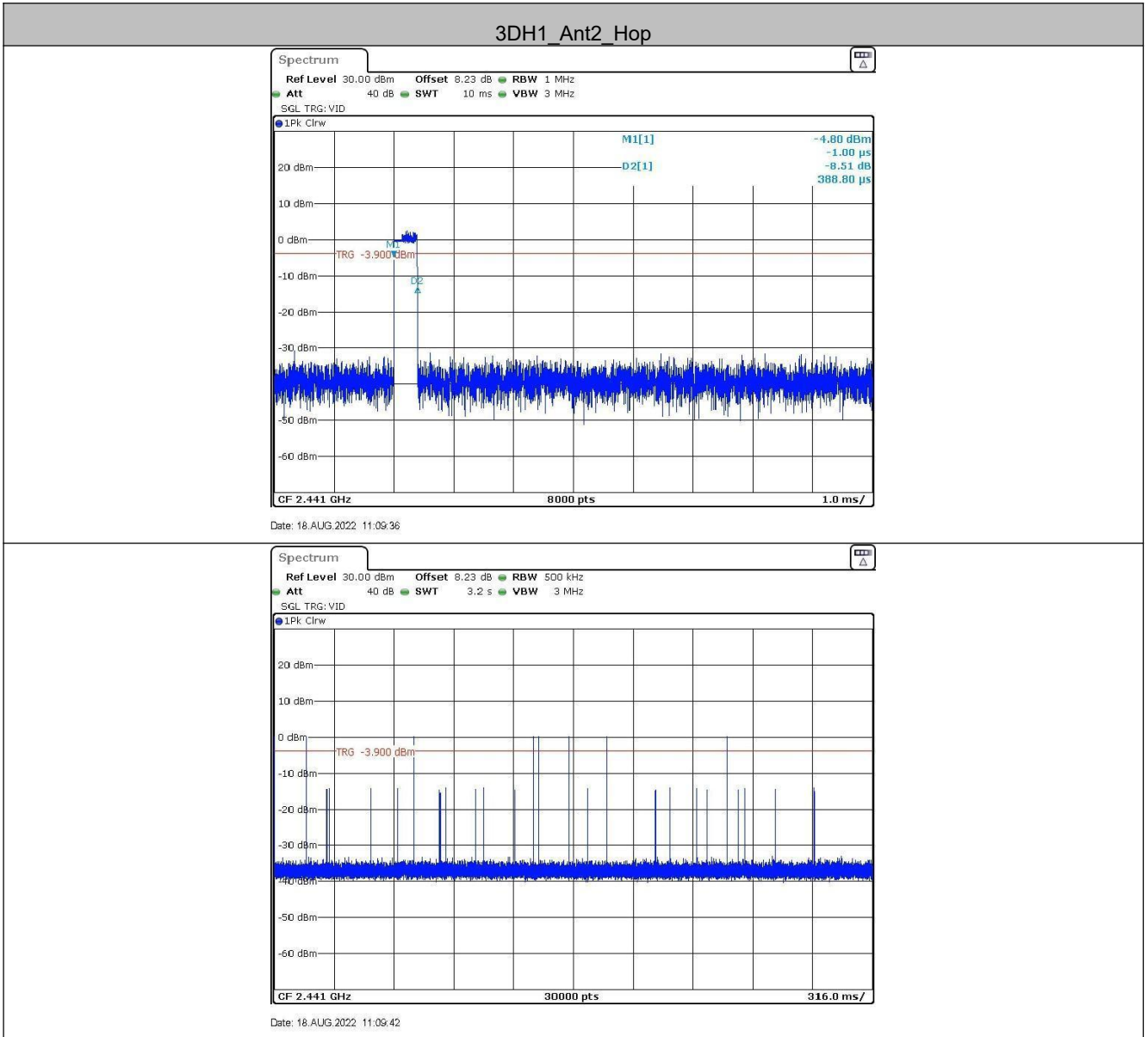
Date: 18.AUG.2022 10:53:58

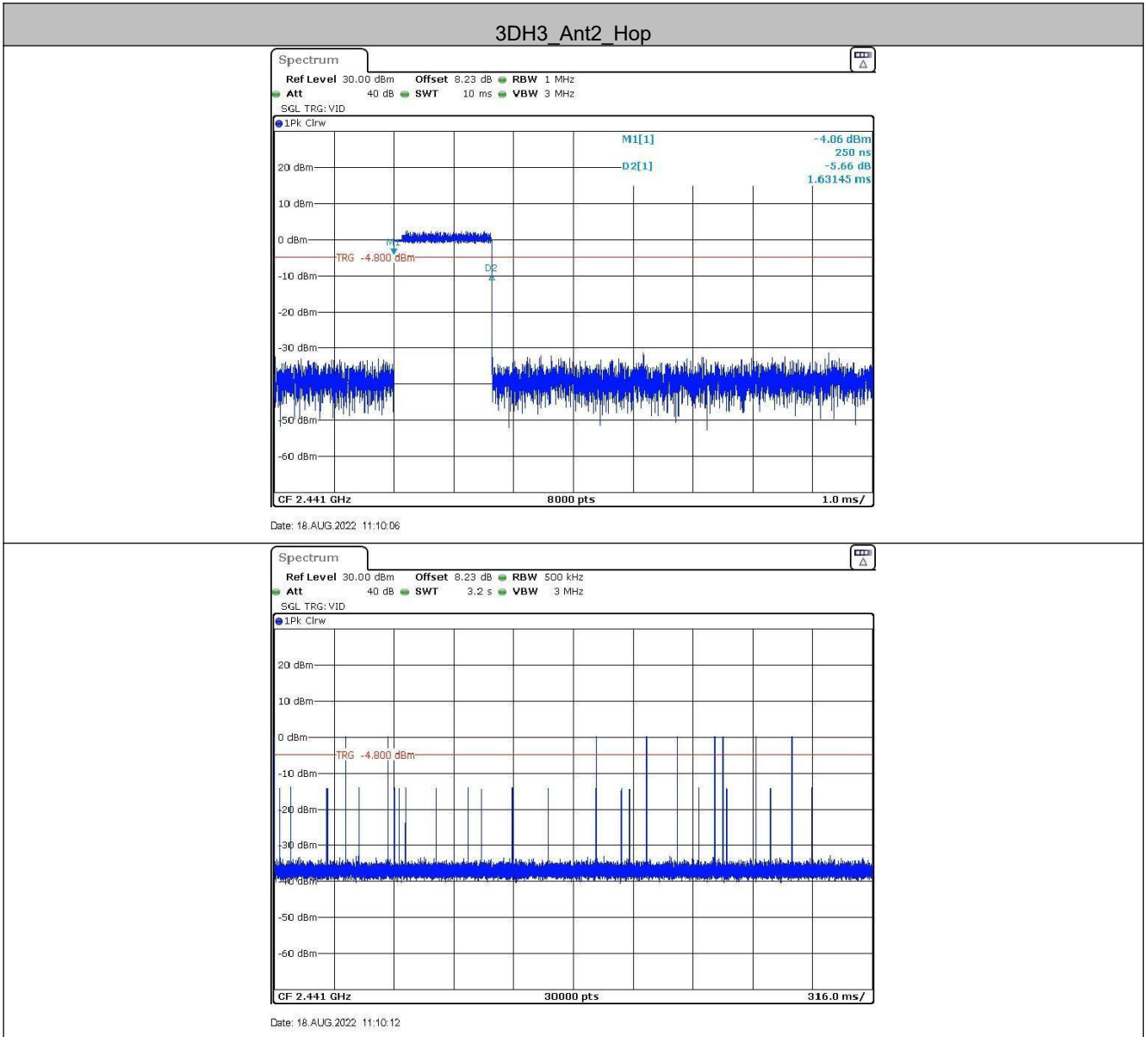


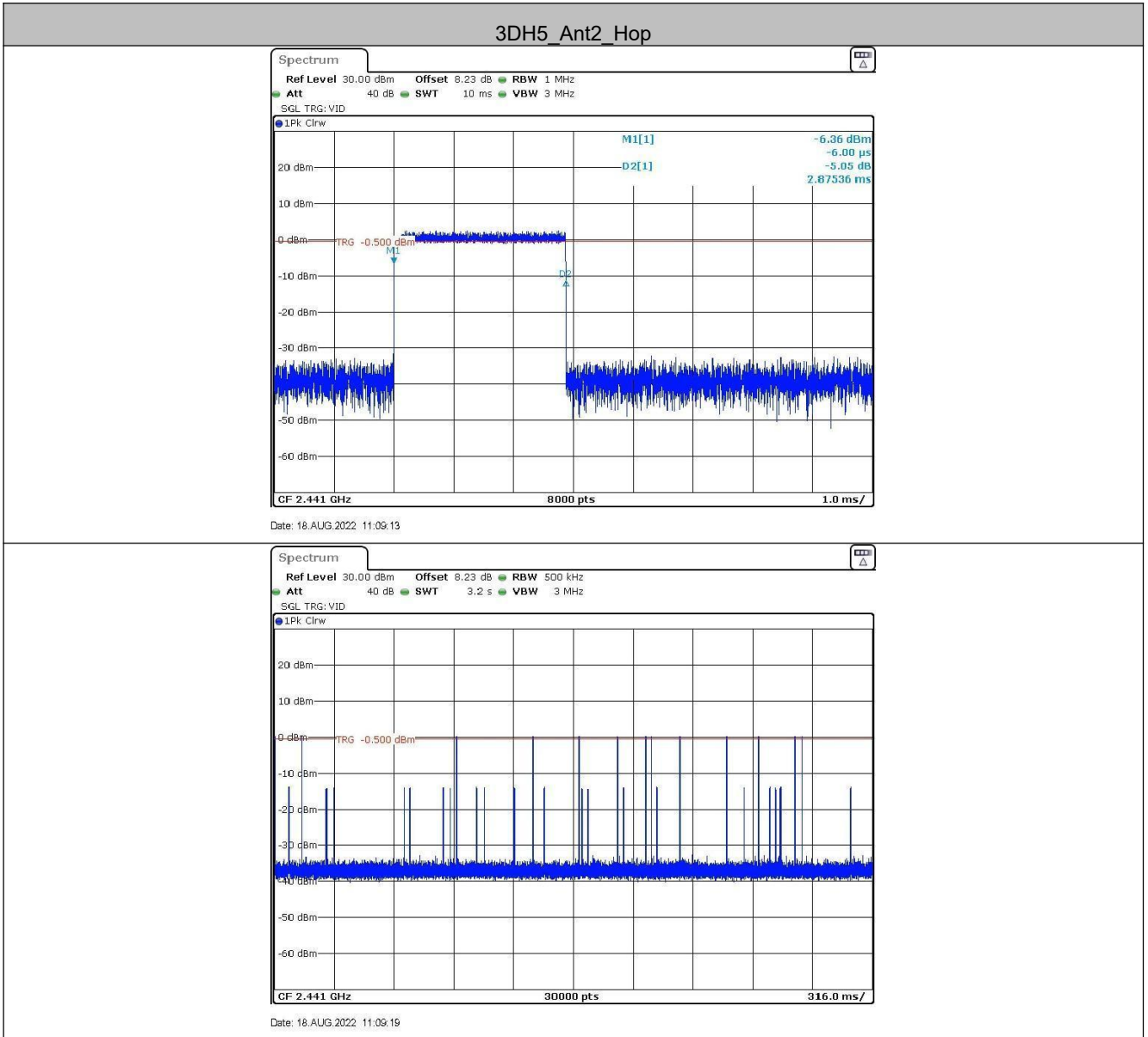




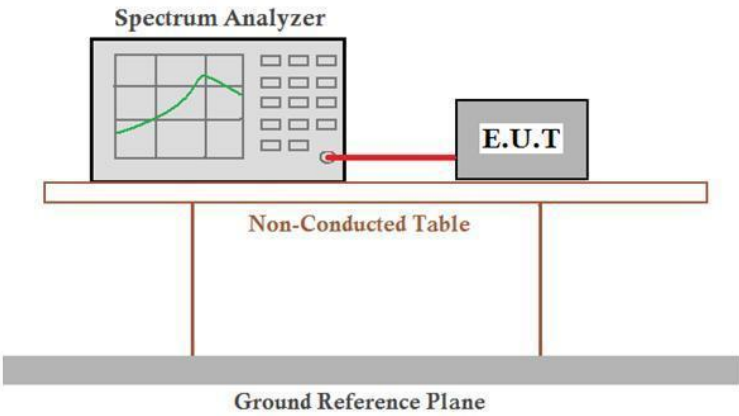








5.8 Band-edge for RF Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10:2013
Test Setup:	 <p style="text-align: center;"><i>Remark: Offset=cable loss+ attenuation factor.</i></p>
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

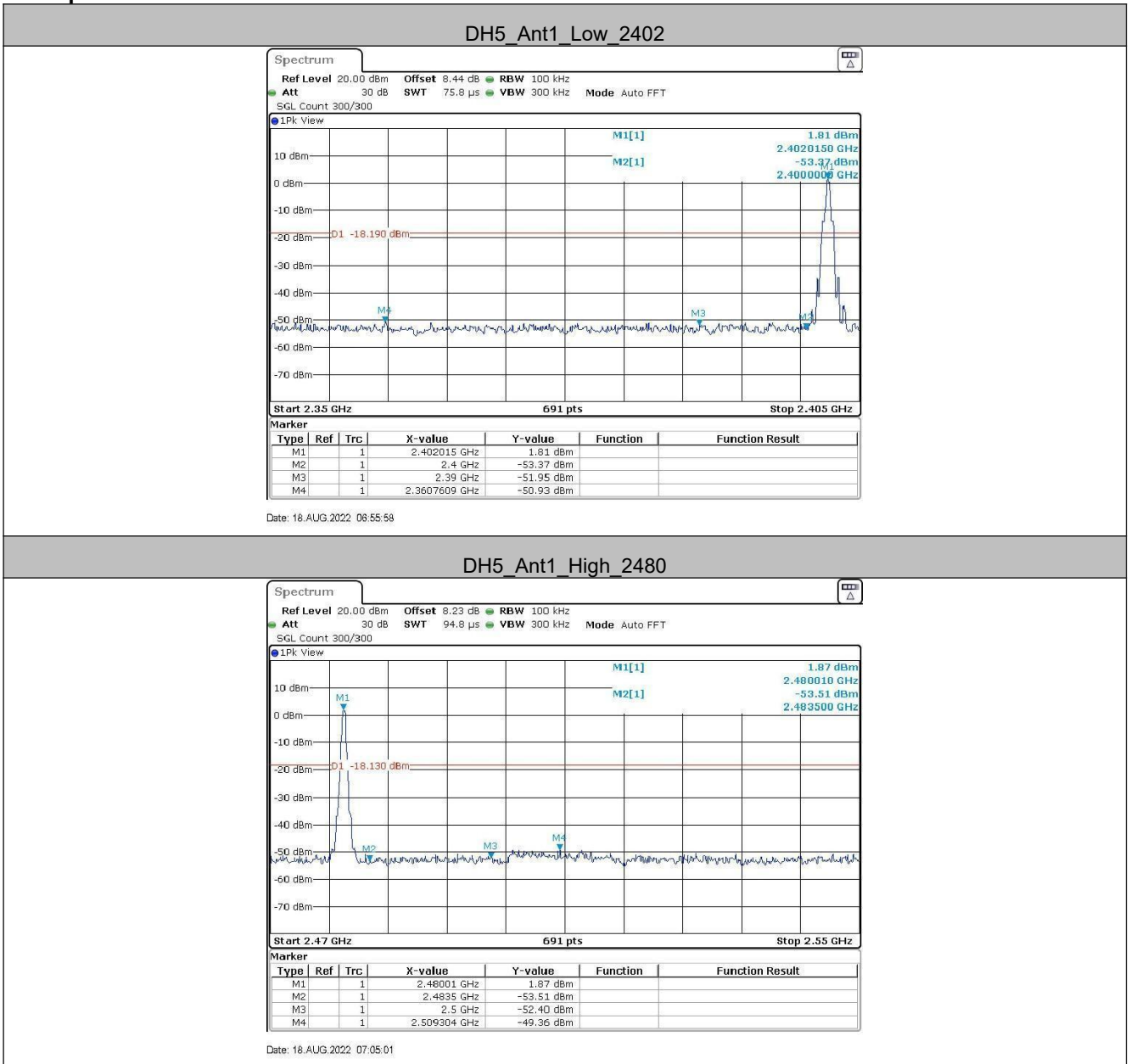
Ant1:

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.81	-50.93	≤-18.19	PASS
		High	2480	1.87	-49.36	≤-18.13	PASS
		Low	Hop_2402	1.23	-50.54	≤-18.77	PASS
		High	Hop_2480	2.04	-48.61	≤-17.96	PASS
2DH5	Ant1	Low	2402	-3.06	-50.21	≤-23.06	PASS
		High	2480	-1.65	-49.67	≤-21.65	PASS
		Low	Hop_2402	-4.34	-50.45	≤-24.34	PASS
		High	Hop_2480	-1.27	-49.63	≤-21.27	PASS
3DH5	Ant1	Low	2402	-0.83	-50.09	≤-20.83	PASS
		High	2480	-0.92	-49.91	≤-20.92	PASS
		Low	Hop_2402	-3.70	-50.49	≤-23.7	PASS
		High	Hop_2480	-1.07	-48.73	≤-21.07	PASS

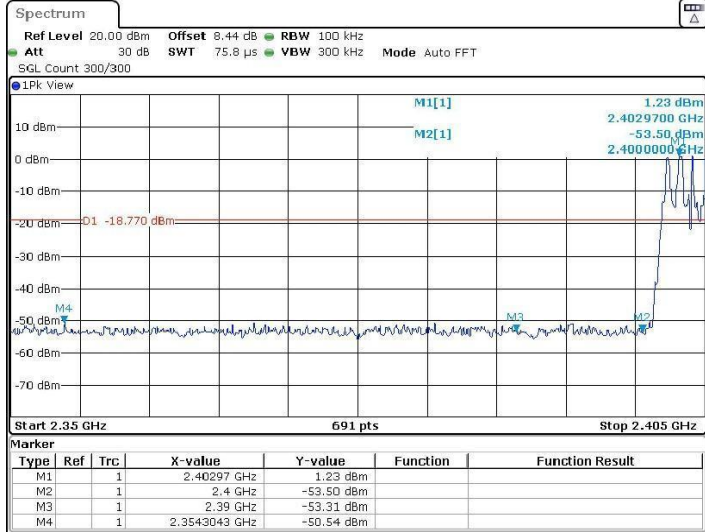
Ant2:

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant2	Low	2402	1.47	-50.71	≤-18.53	PASS
		High	2480	2.51	-49.67	≤-17.49	PASS
		Low	Hop_2402	1.20	-50.52	≤-18.8	PASS
		High	Hop_2480	2.62	-49.3	≤-17.38	PASS
2DH5	Ant2	Low	2402	-3.06	-50.95	≤-23.06	PASS
		High	2480	-1.07	-49.35	≤-21.07	PASS
		Low	Hop_2402	-2.91	-50.39	≤-22.91	PASS
		High	Hop_2480	-1.39	-49.63	≤-21.39	PASS
3DH5	Ant2	Low	2402	-2.09	-49.58	≤-22.09	PASS
		High	2480	-2.11	-49.63	≤-22.11	PASS
		Low	Hop_2402	-2.30	-49.26	≤-22.3	PASS
		High	Hop_2480	-0.29	-49.07	≤-20.29	PASS

Test plot as follows:

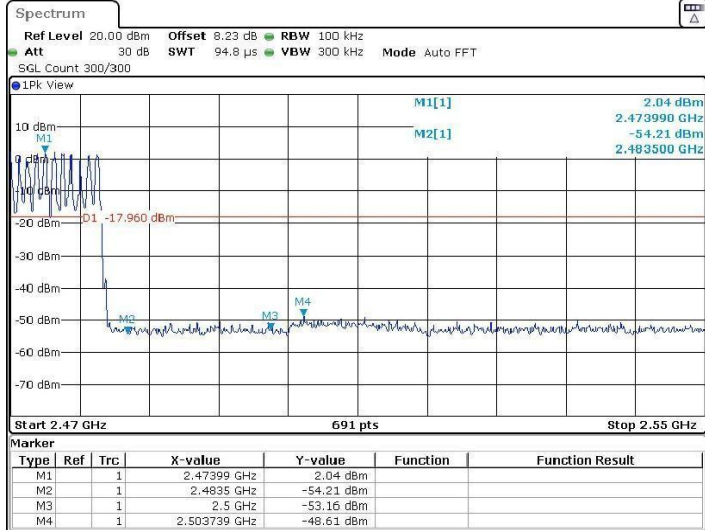


DH5_Ant1_Low_Hop_2402



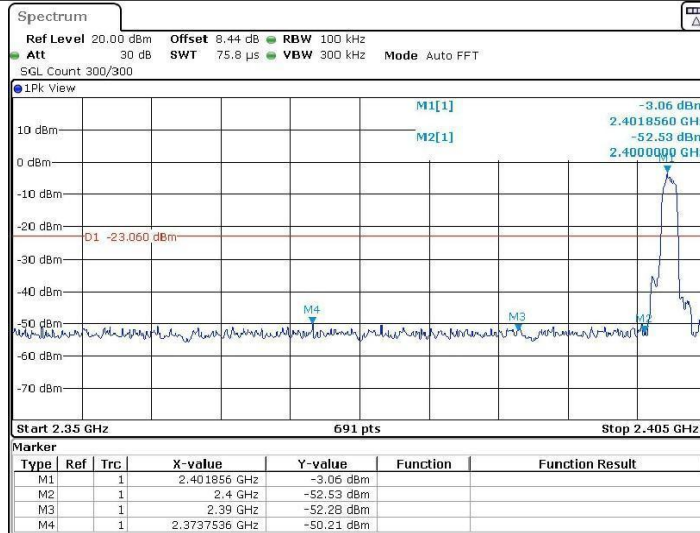
Date: 18.AUG.2022 07:27:04

DH5_Ant1_High_Hop_2480



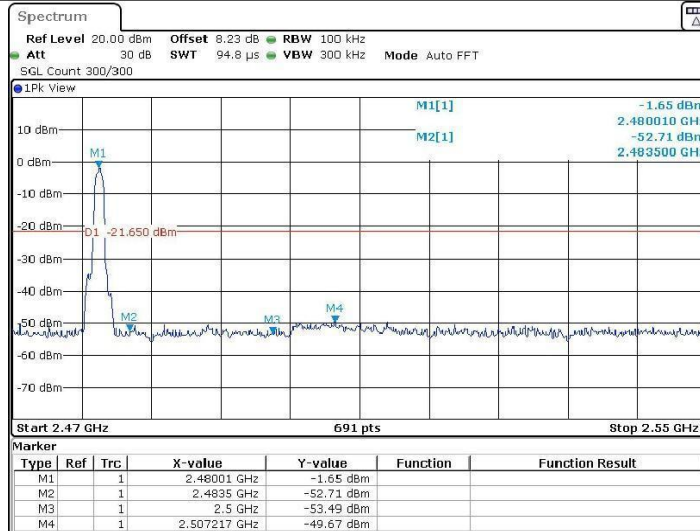
Date: 18.AUG.2022 07:38:06

2DH5_Ant1_Low_2402



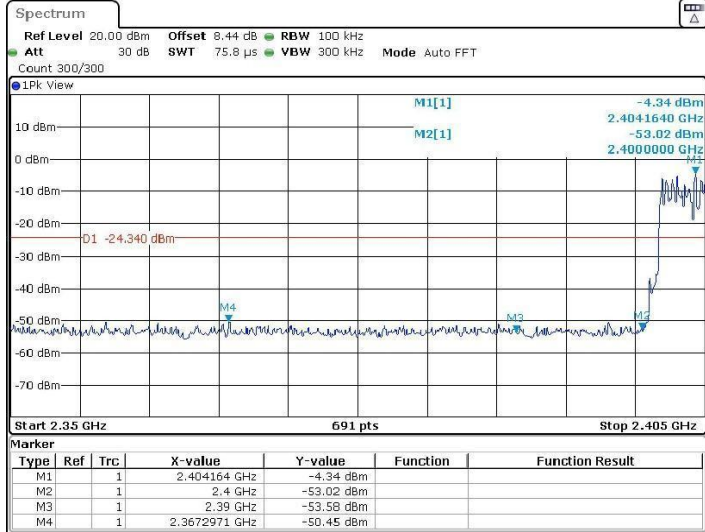
Date: 18.AUG.2022 07:08:23

2DH5_Ant1_High_2480

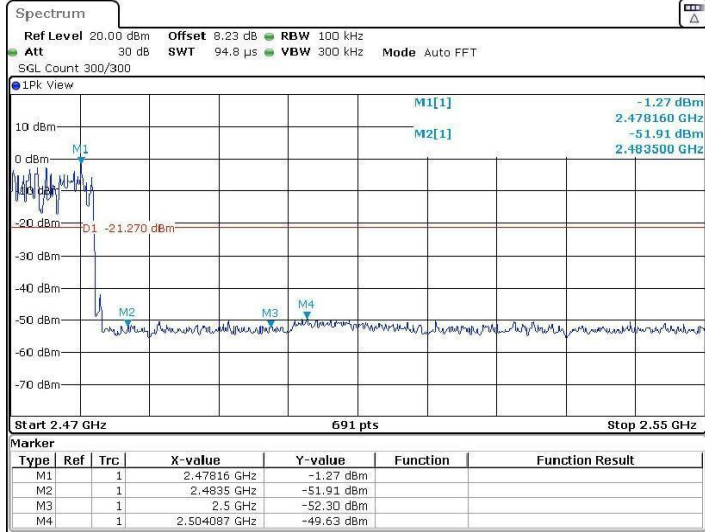


Date: 18.AUG.2022 07:13:14

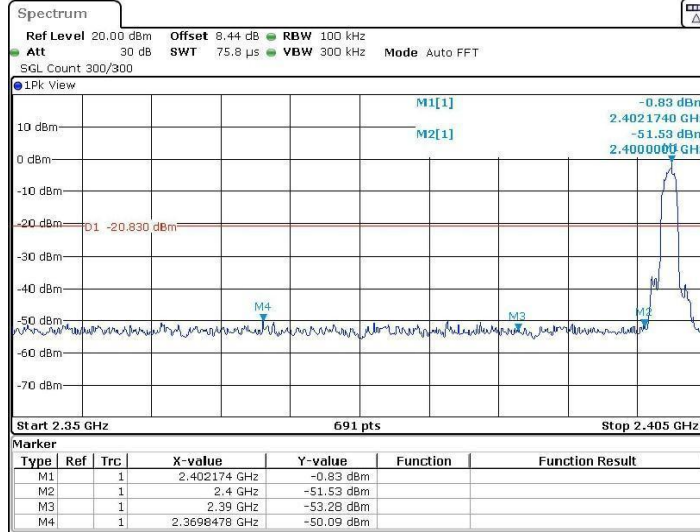
2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

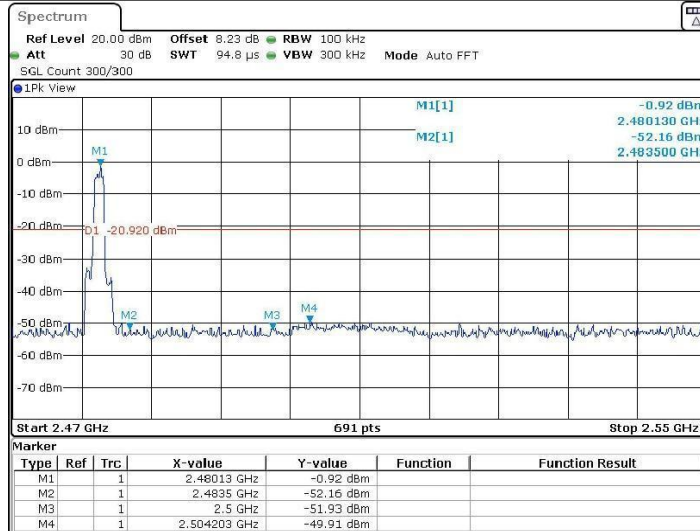


3DH5_Ant1_Low_2402



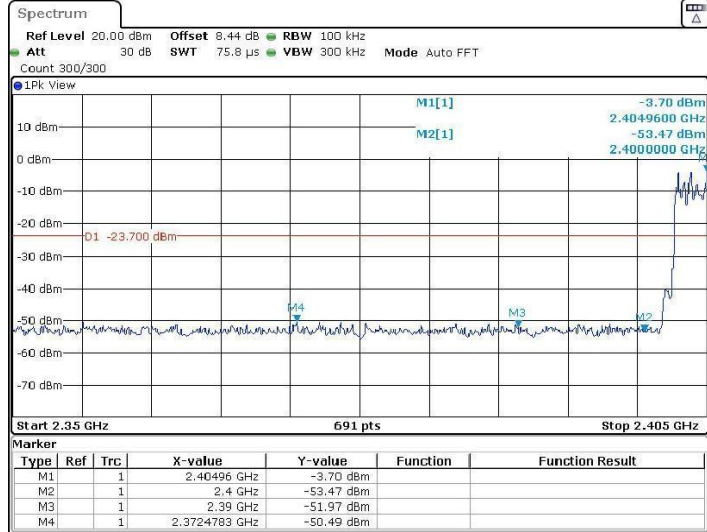
Date: 18.AUG.2022 07:16:17

3DH5_Ant1_High_2480



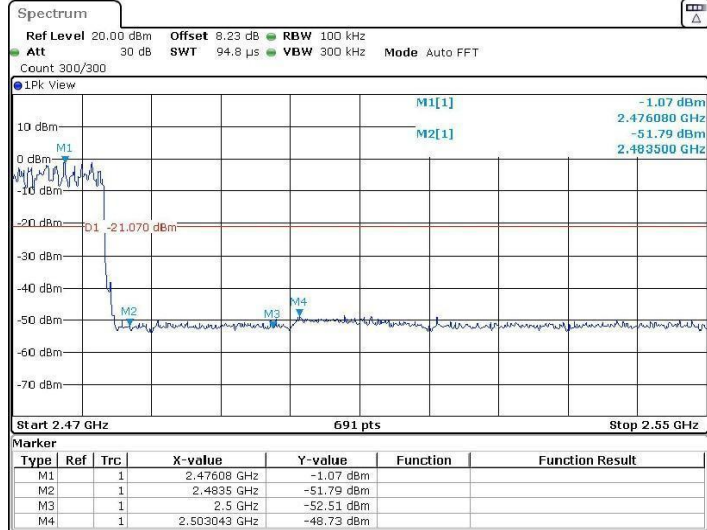
Date: 18.AUG.2022 07:22:17

3DH5_Ant1_Low_Hop_2402



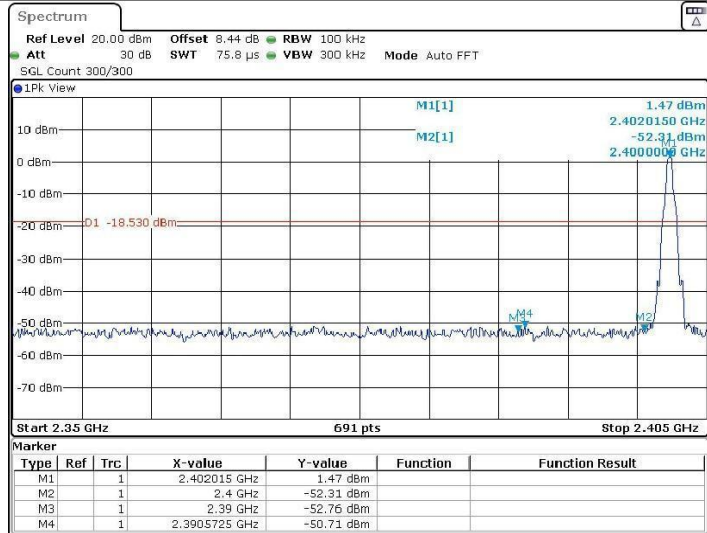
Date: 18.AUG.2022 07:55:28

3DH5_Ant1_High_Hop_2480



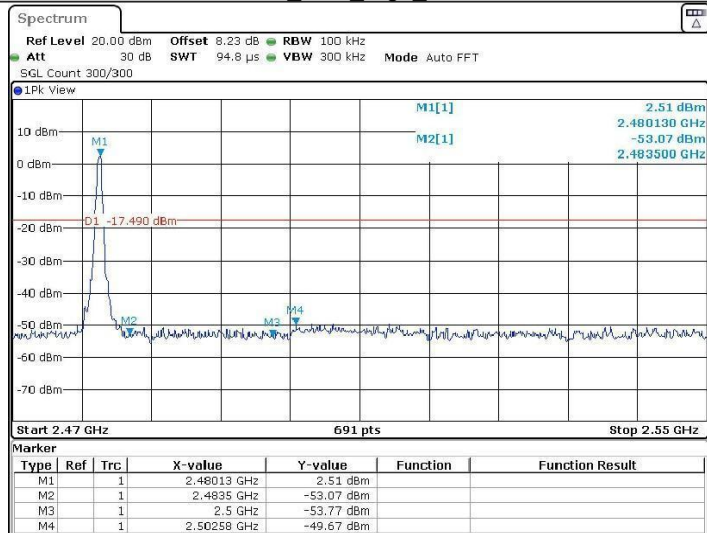
Date: 18.AUG.2022 08:01:37

DH5_Ant2_Low_2402



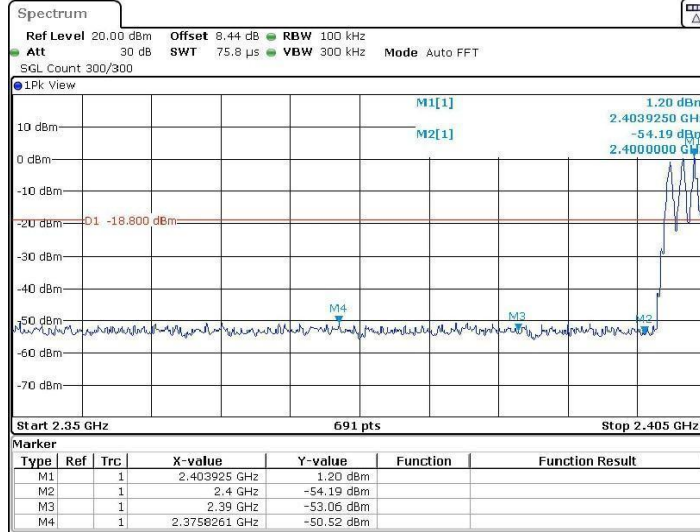
Date: 18.AUG.2022 10:27:23

DH5_Ant2_High_2480



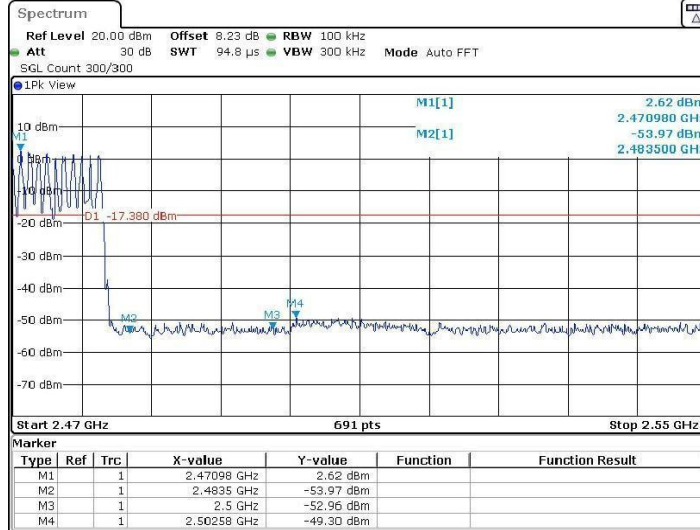
Date: 18.AUG.2022 10:32:30

DH5_Ant2_Low_Hop_2402



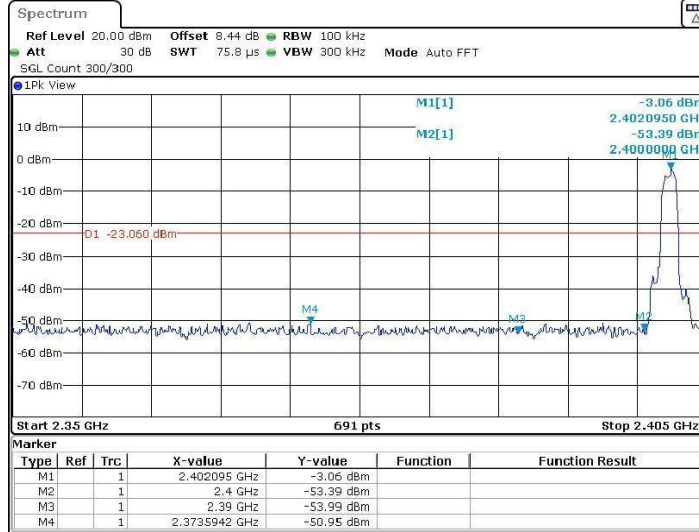
Date: 18.AUG.2022 10:50:50

DH5_Ant2_High_Hop_2480



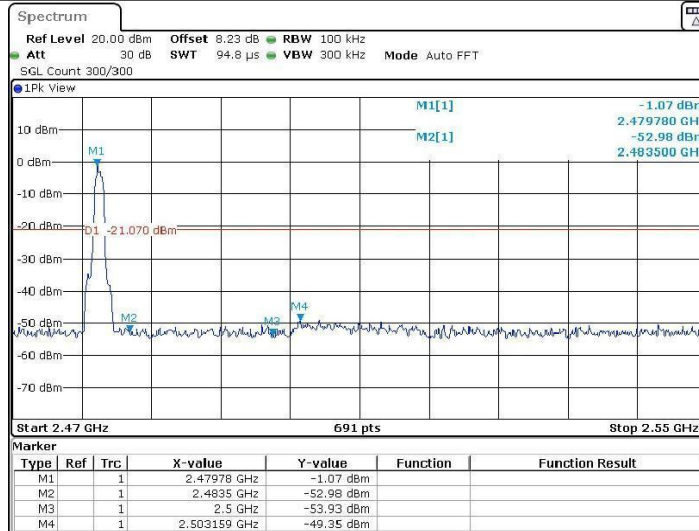
Date: 18.AUG.2022 10:54:41

2DH5_Ant2_Low_2402



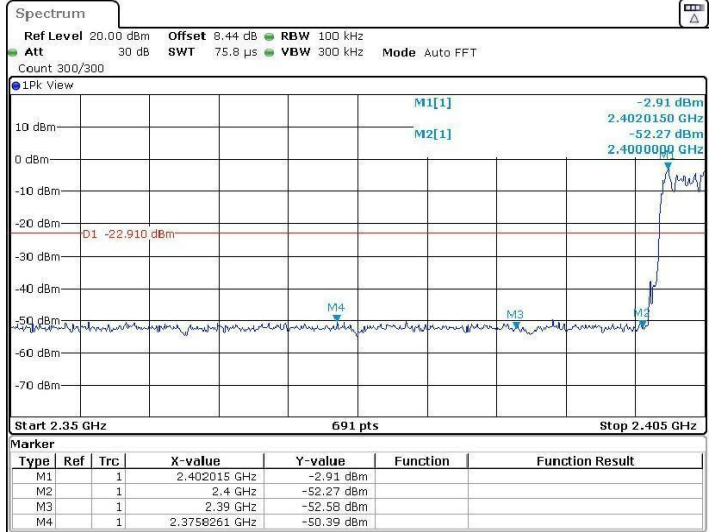
Date: 18.AUG.2022 10:35:24

2DH5_Ant2_High_2480



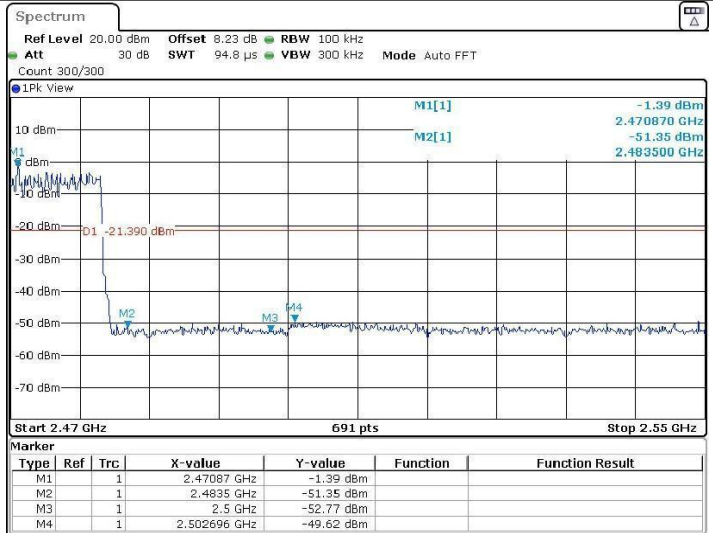
Date: 18.AUG.2022 10:40:50

2DH5_Ant2_Low_Hop_2402



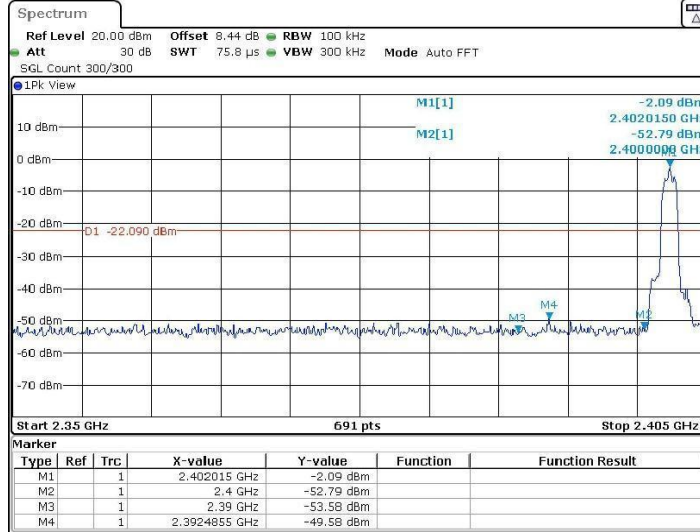
Date: 18.AUG.2022 11:00:17

2DH5_Ant2_High_Hop_2480



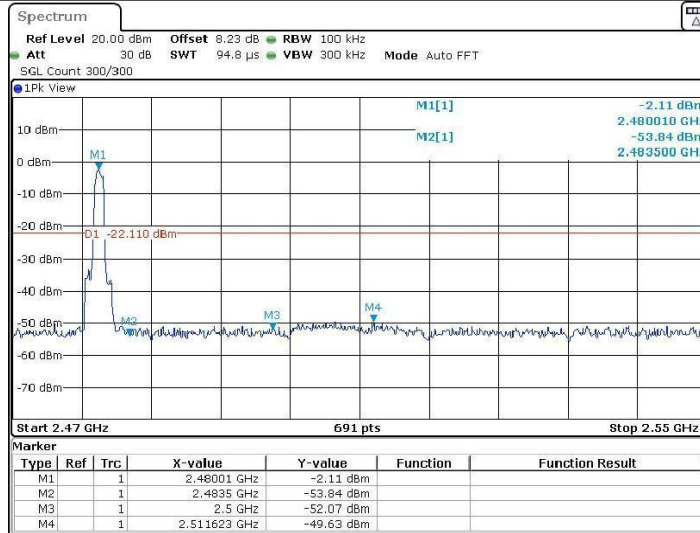
Date: 18.AUG.2022 11:02:48

3DH5_Ant2_Low_2402



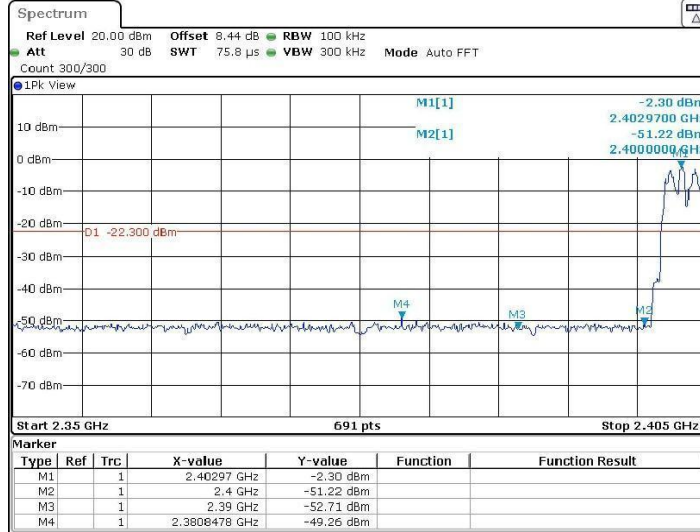
Date: 18.AUG.2022 10:43:40

3DH5_Ant2_High_2480



Date: 18.AUG.2022 10:48:53

3DH5_Ant2_Low_Hop_2402



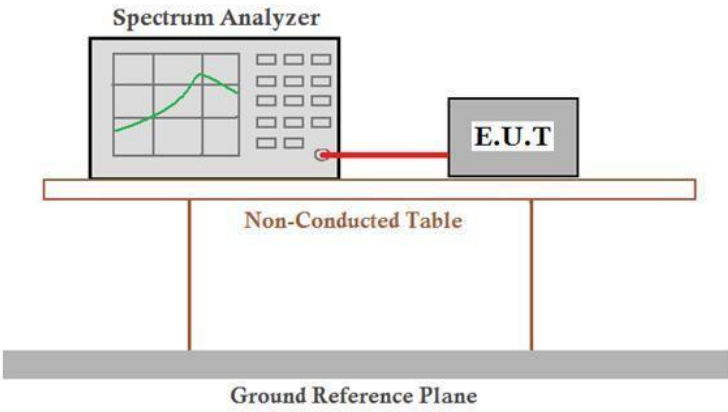
Date: 18.AUG.2022 11:04:30

3DH5_Ant2_High_Hop_2480

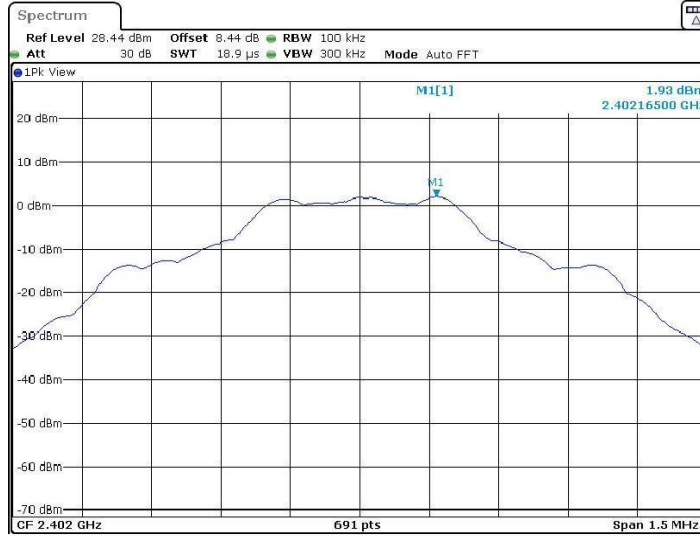


Date: 18.AUG.2022 11:11:01

5.9 Spurious RF Conducted Emissions

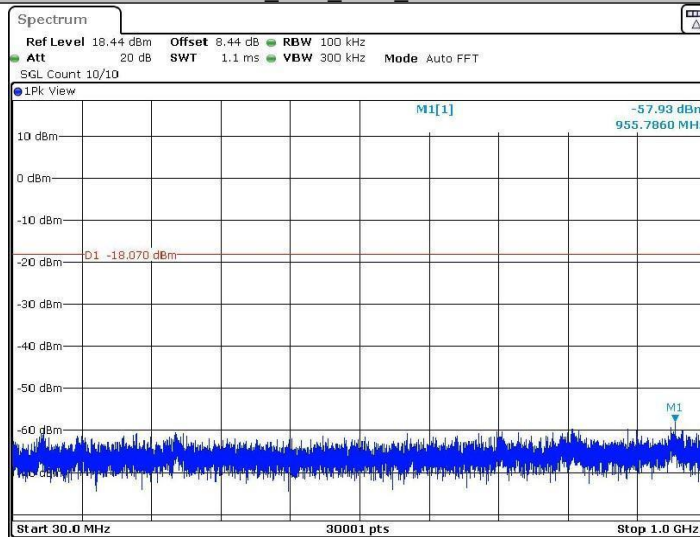
Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10:2013
Test Setup:	 <p style="text-align: center;"><i>Remark: Offset=cable loss+ attenuation factor.</i></p>
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, 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



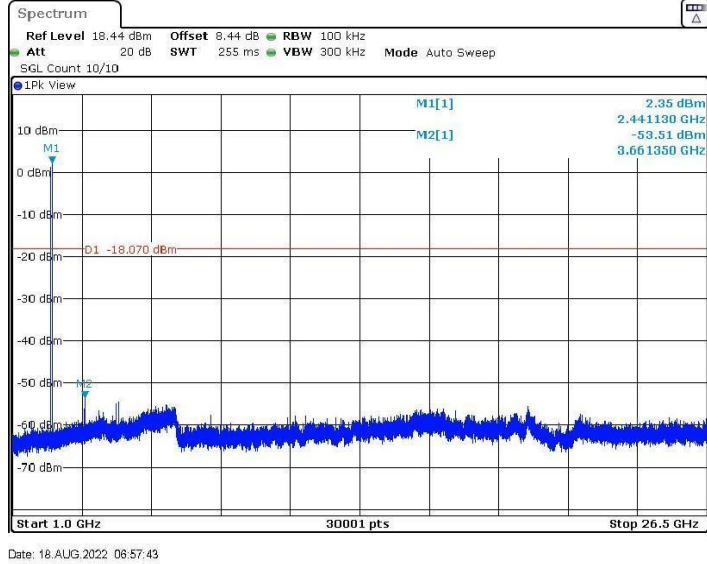
Date: 18.AUG.2022 08:57:16

DH5_Ant1_2402_30~1000

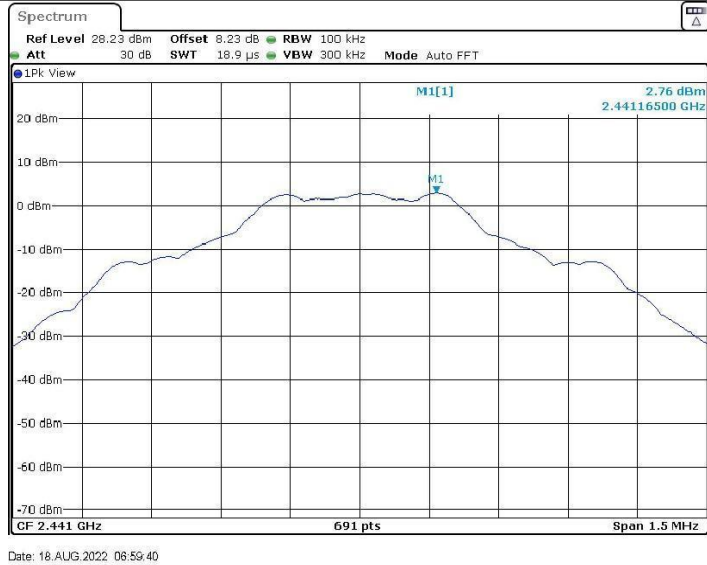


Date: 18.AUG.2022 08:57:21

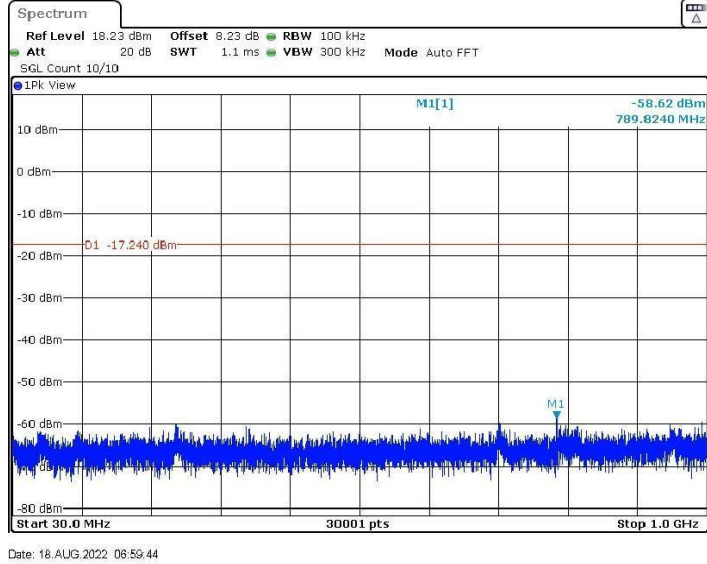
DH5_Ant1_2402_1000~26500



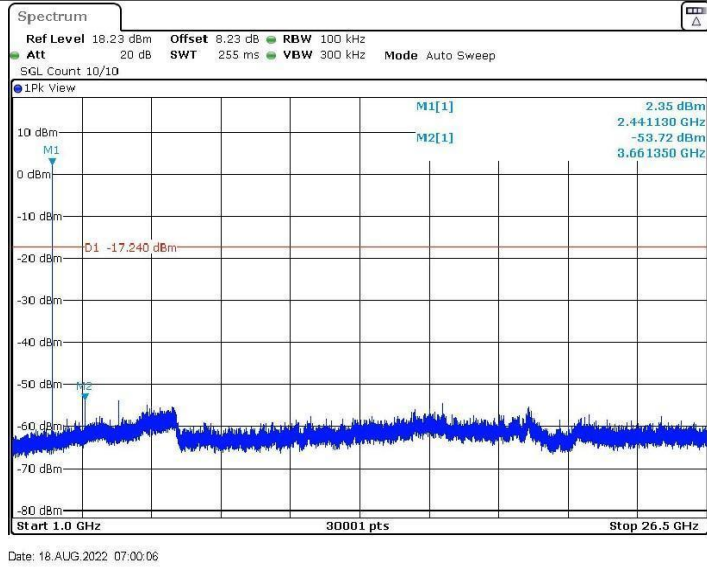
DH5_Ant1_2441_0~Reference



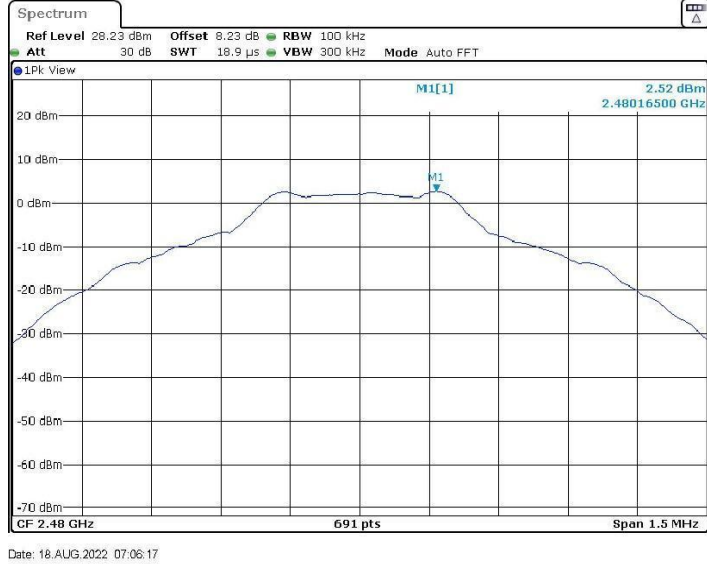
DH5_Ant1_2441_30~1000



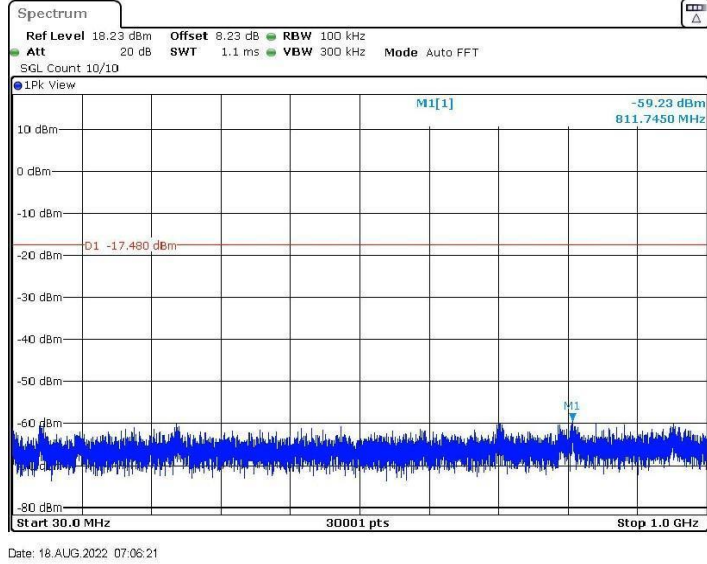
DH5_Ant1_2441_1000~26500



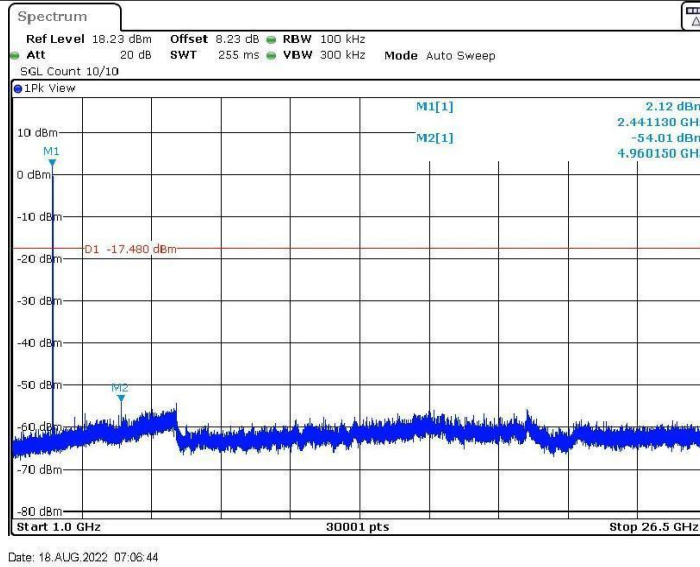
DH5_Ant1_2480_0~Reference



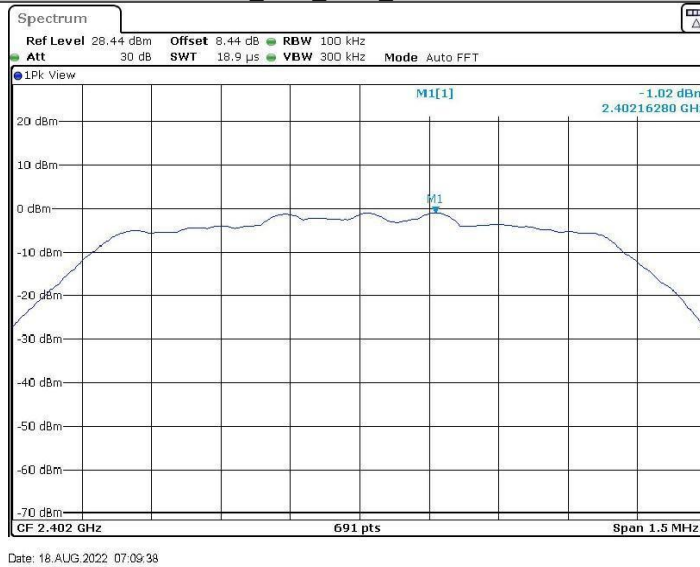
DH5_Ant1_2480_30~1000



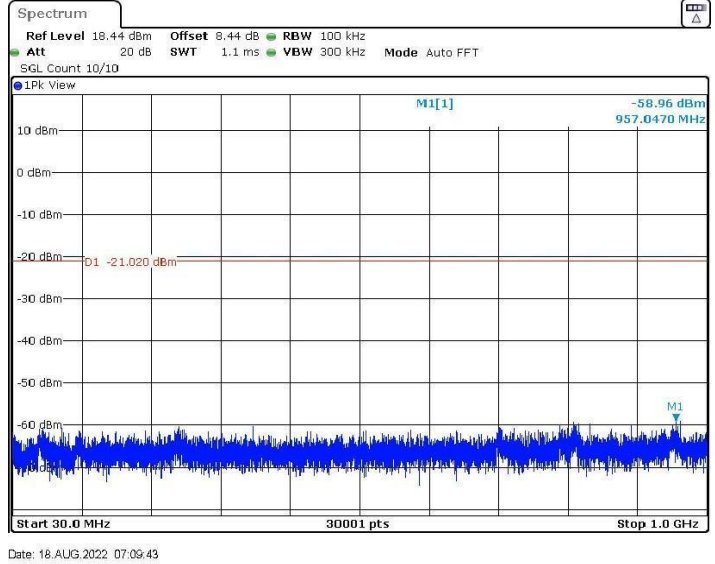
DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500

