

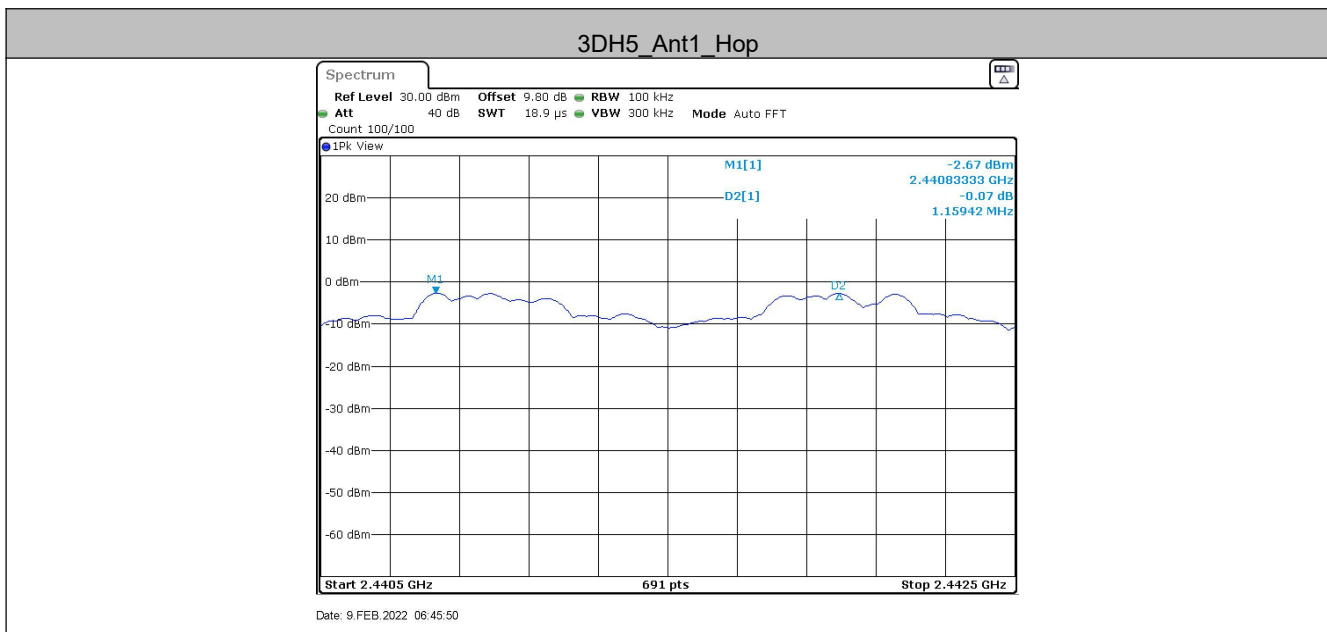
Measurement Data

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥0.674	PASS
2DH5	Ant1	Hop	1.157	≥0.848	PASS
3DH5	Ant1	Hop	1.159	≥0.852	PASS

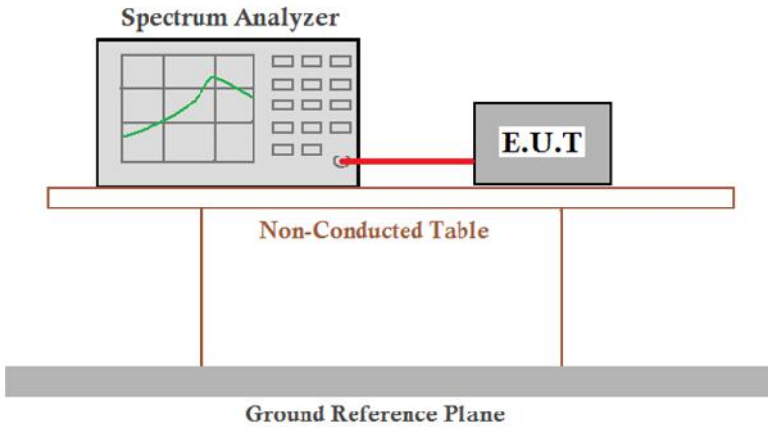
Mode	20dB bandwidth (MHz) (worse case)	Limit (MHz) (Carrier Frequencies Separation)
GFSK	1.011	0.674
$\pi/4$ DQPSK	1.272	0.848
8DPSK	1.278	0.852

Test plot as follows:





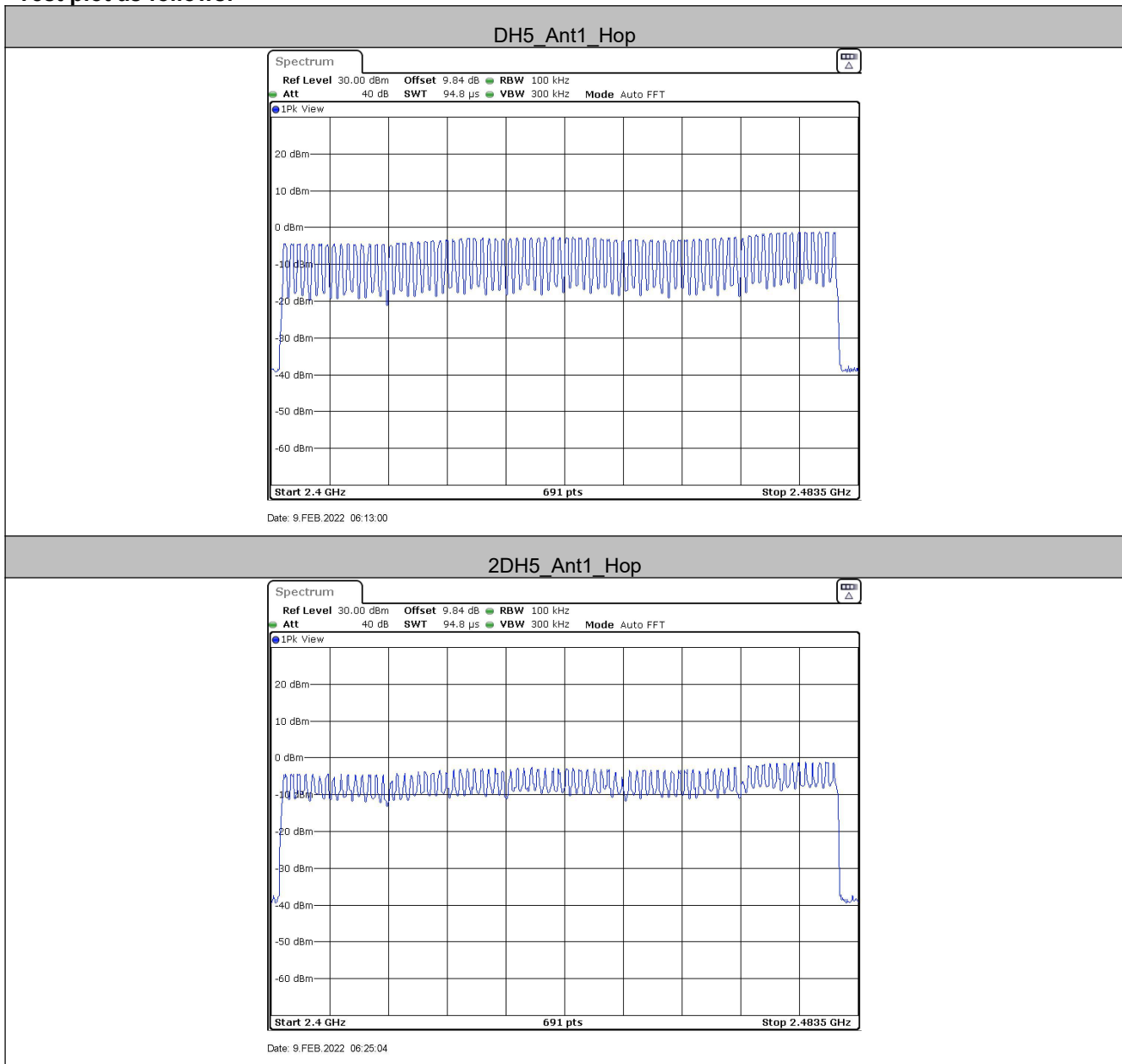
5.6 Hopping Channel Number

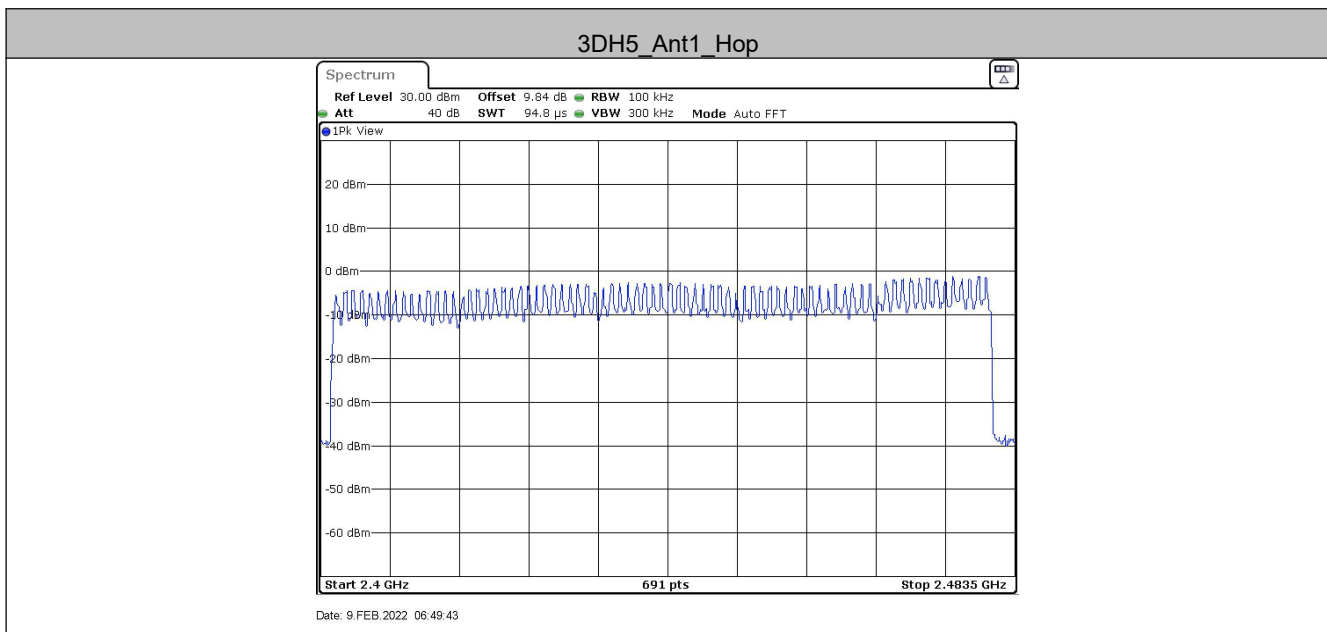
Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2013
Test Setup:	 Remark: Offset=Cable loss+ attenuation factor.
Limit:	At least 15 channels
Exploratory Test Mode:	hopping transmitting with all kind of modulation and all kind of data type
Final Test Mode:	Through Pre-scan, 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

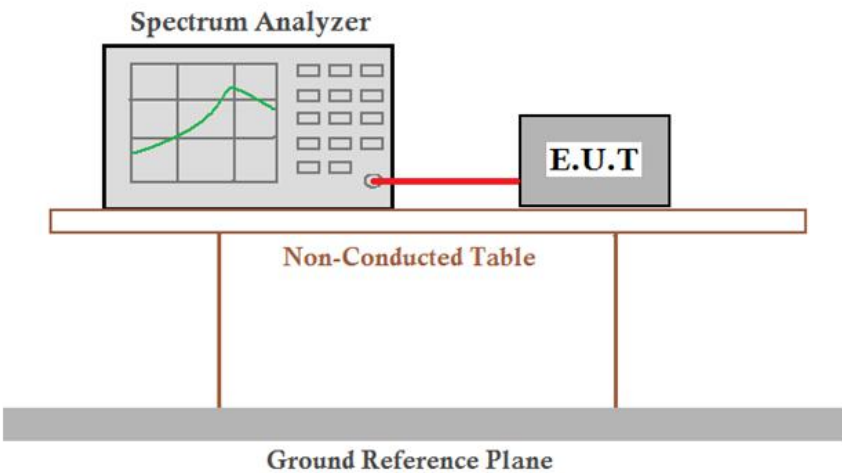
Mode	Hopping channel numbers	Limit
GFSK	79	≥ 15
$\pi/4$ DQPSK	79	≥ 15
8DPSK	79	≥ 15

Test plot as follows:





5.7 Dwell Time

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2013
Test Setup:	 <i>Remark: Offset=Cable loss+ attenuation factor.</i>
Test Mode:	Hopping transmitting with all kind of modulation and all kind of data type.
Limit:	0.4 Second
Test Results:	Pass

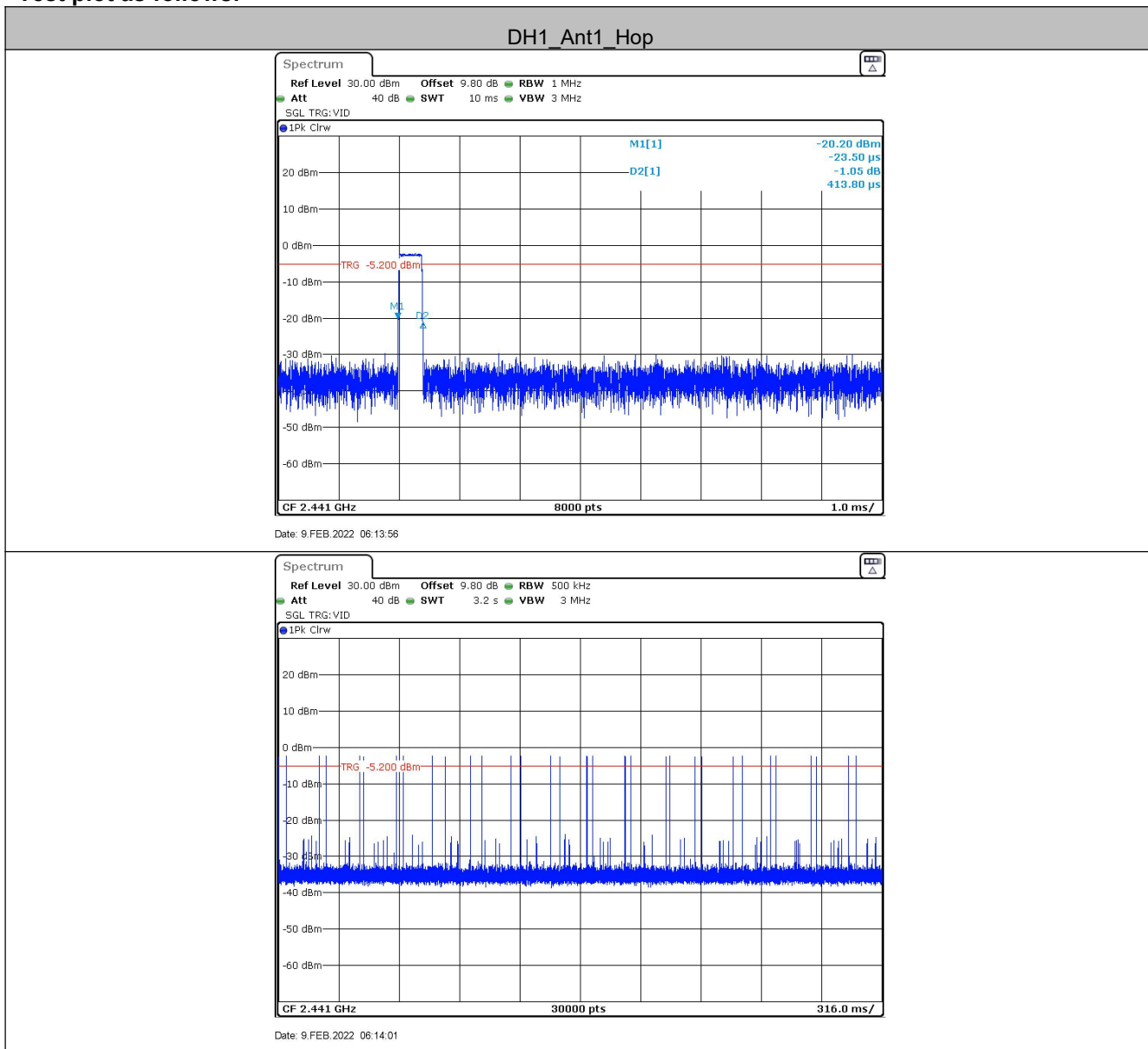
Measurement Data

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.41	320	0.132	≤0.4	PASS
DH3	Ant1	Hop	1.58	160	0.252	≤0.4	PASS
DH5	Ant1	Hop	2.90	90	0.261	≤0.4	PASS
2DH1	Ant1	Hop	0.42	320	0.136	≤0.4	PASS
2DH3	Ant1	Hop	1.62	100	0.162	≤0.4	PASS
2DH5	Ant1	Hop	1.66	120	0.199	≤0.4	PASS
3DH1	Ant1	Hop	0.43	330	0.142	≤0.4	PASS
3DH3	Ant1	Hop	1.41	180	0.254	≤0.4	PASS
3DH5	Ant1	Hop	2.61	130	0.339	≤0.4	PASS

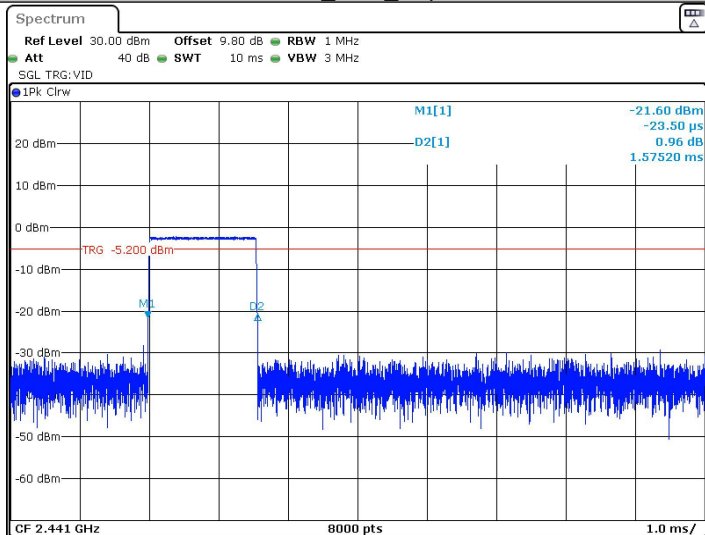
Remark:

The test period: $T = 0.4 \text{ Second/Channel} \times 79 \text{ Channel} = 31.6 \text{ s}$

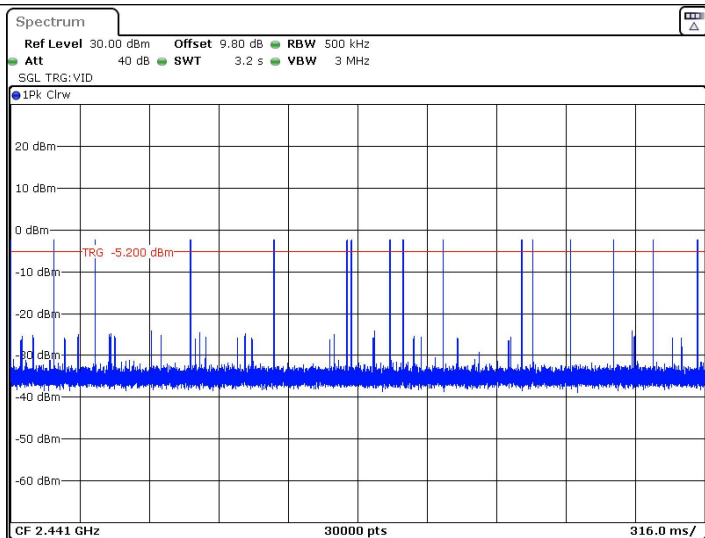
Test plot as follows:



DH3_Ant1_Hop

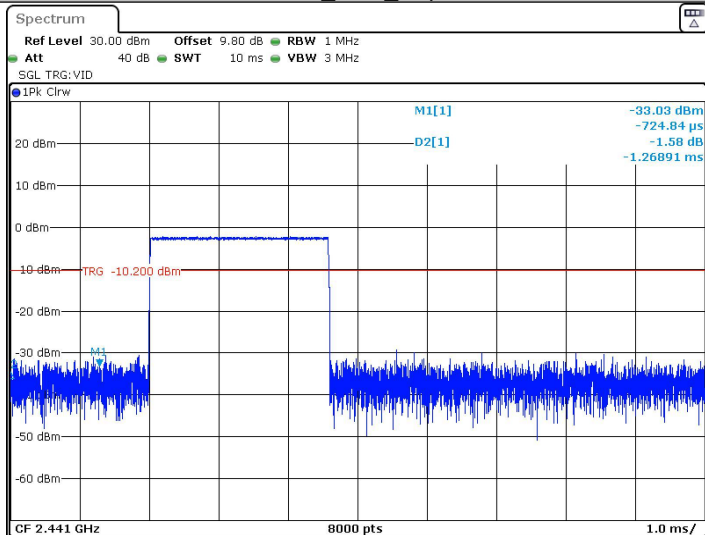


Date: 9.FEB.2022 06:14:41

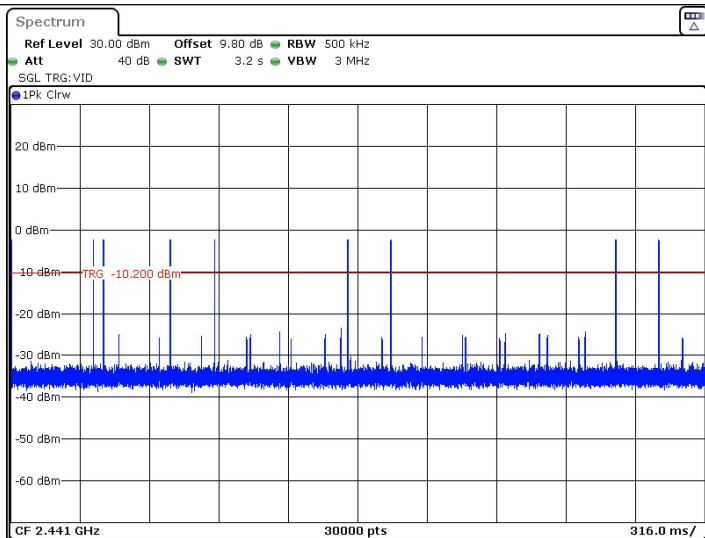


Date: 9.FEB.2022 06:14:46

DH5_Ant1_Hop

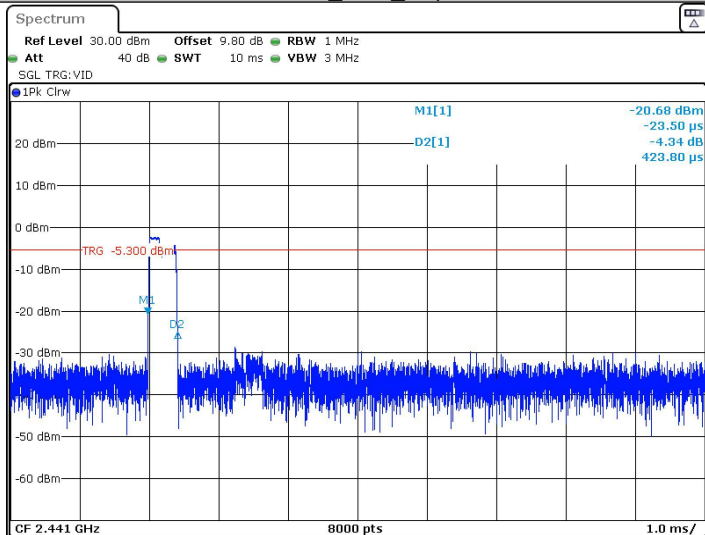


Date: 9.FEB.2022 06:13:09

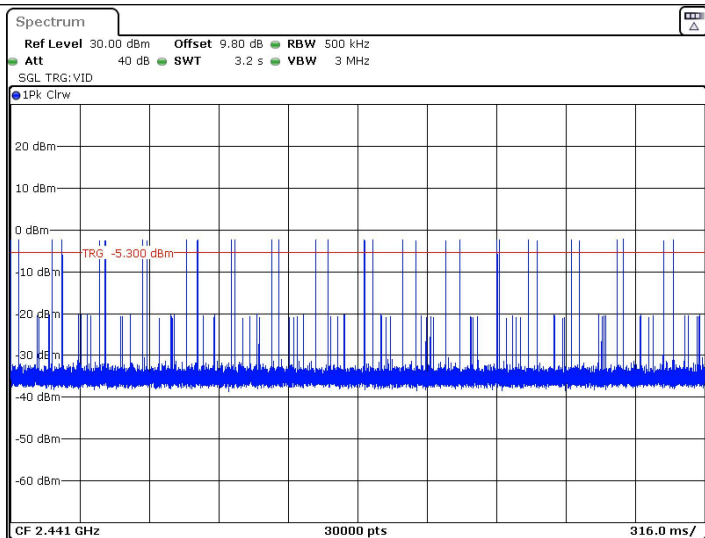


Date: 9.FEB.2022 06:13:15

2DH1_Ant1_Hop

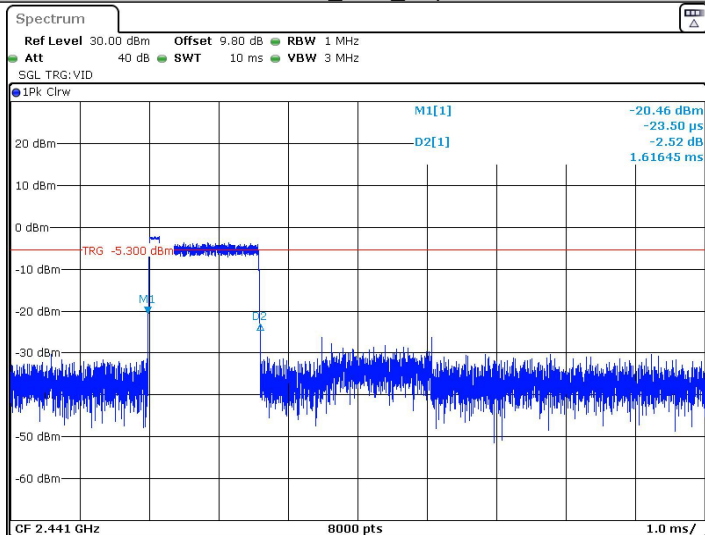


Date: 9.FEB.2022 06:25:59

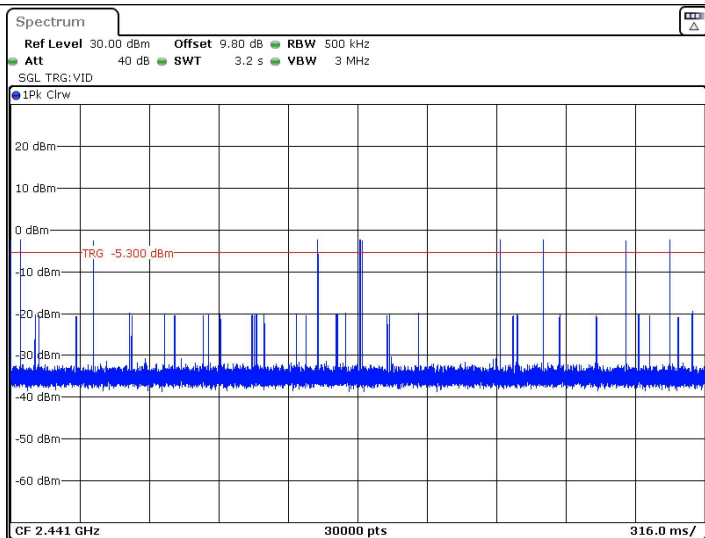


Date: 9.FEB.2022 06:26:04

2DH3_Ant1_Hop

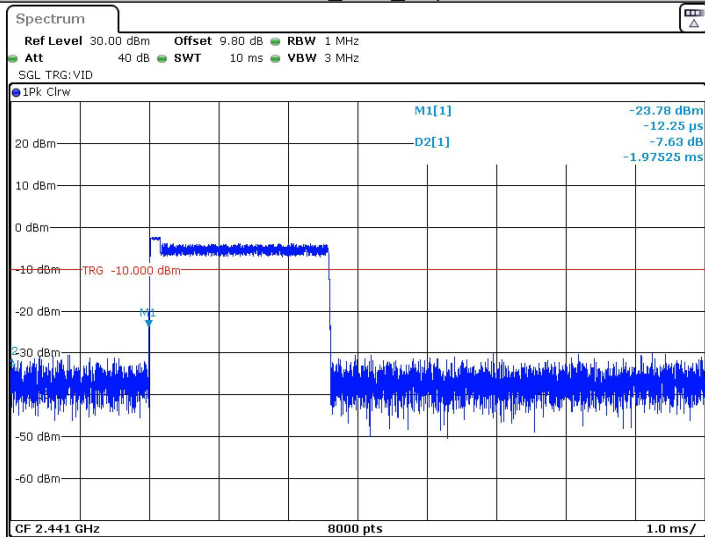


Date: 9.FEB.2022 06:30:08

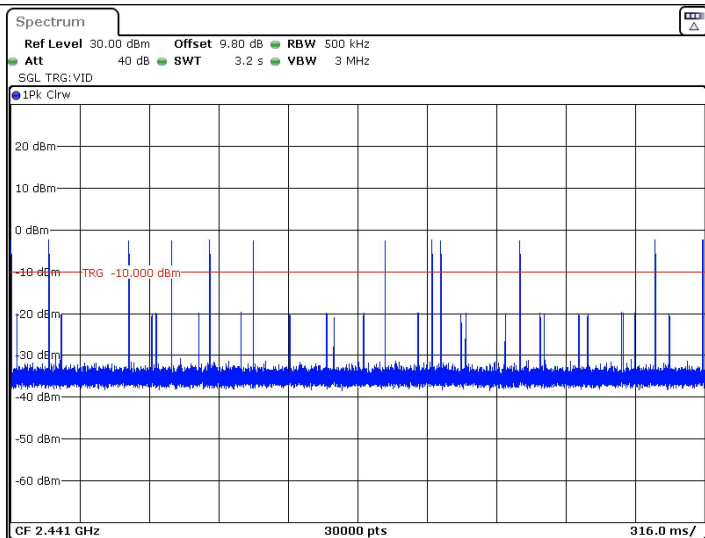


Date: 9.FEB.2022 06:30:13

2DH5_Ant1_Hop

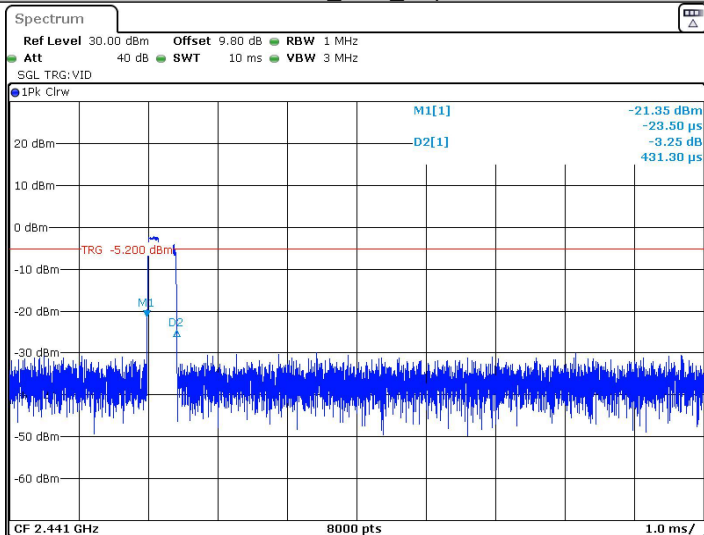


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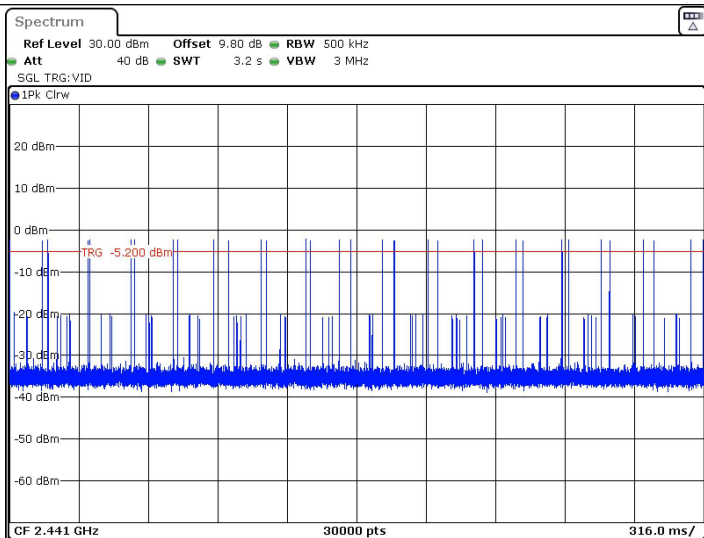


Date: 9 FEB. 2022 06:25:19

3DH1_Ant1_Hop



Date: 9.FEB.2022 06:50:58



Date: 9.FEB.2022 06:51:03