

Measurement Data

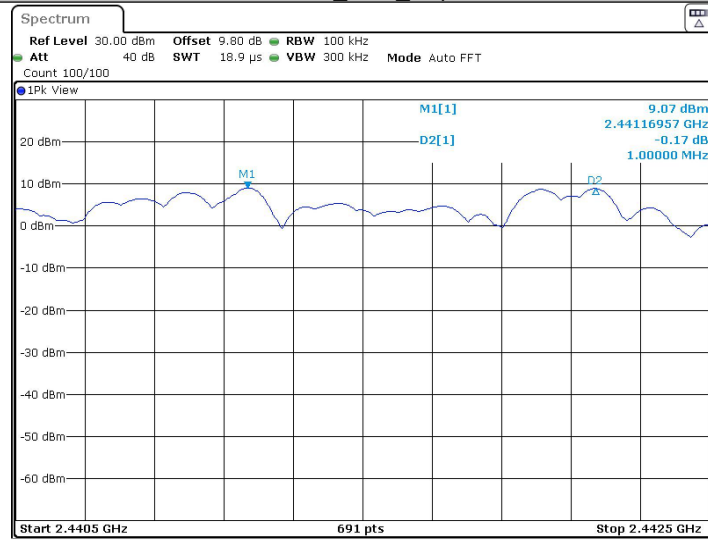
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1	≥ 0.632	PASS
2DH5	Ant1	Hop	0.988	≥ 0.884	PASS
3DH5	Ant1	Hop	1	≥ 0.820	PASS

Mode	20dB bandwidth (MHz) (worse case)	Limit (MHz) (Carrier Frequencies Separation)
GFSK	0.948	0.632
$\pi/4$ DQPSK	1.326	0.884
8DPSK	1.230	0.820

Test plot as follows:

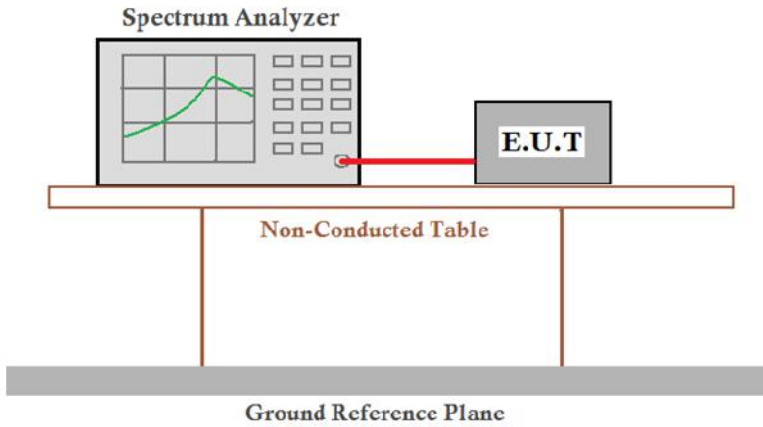


3DH5_Ant1_Hop



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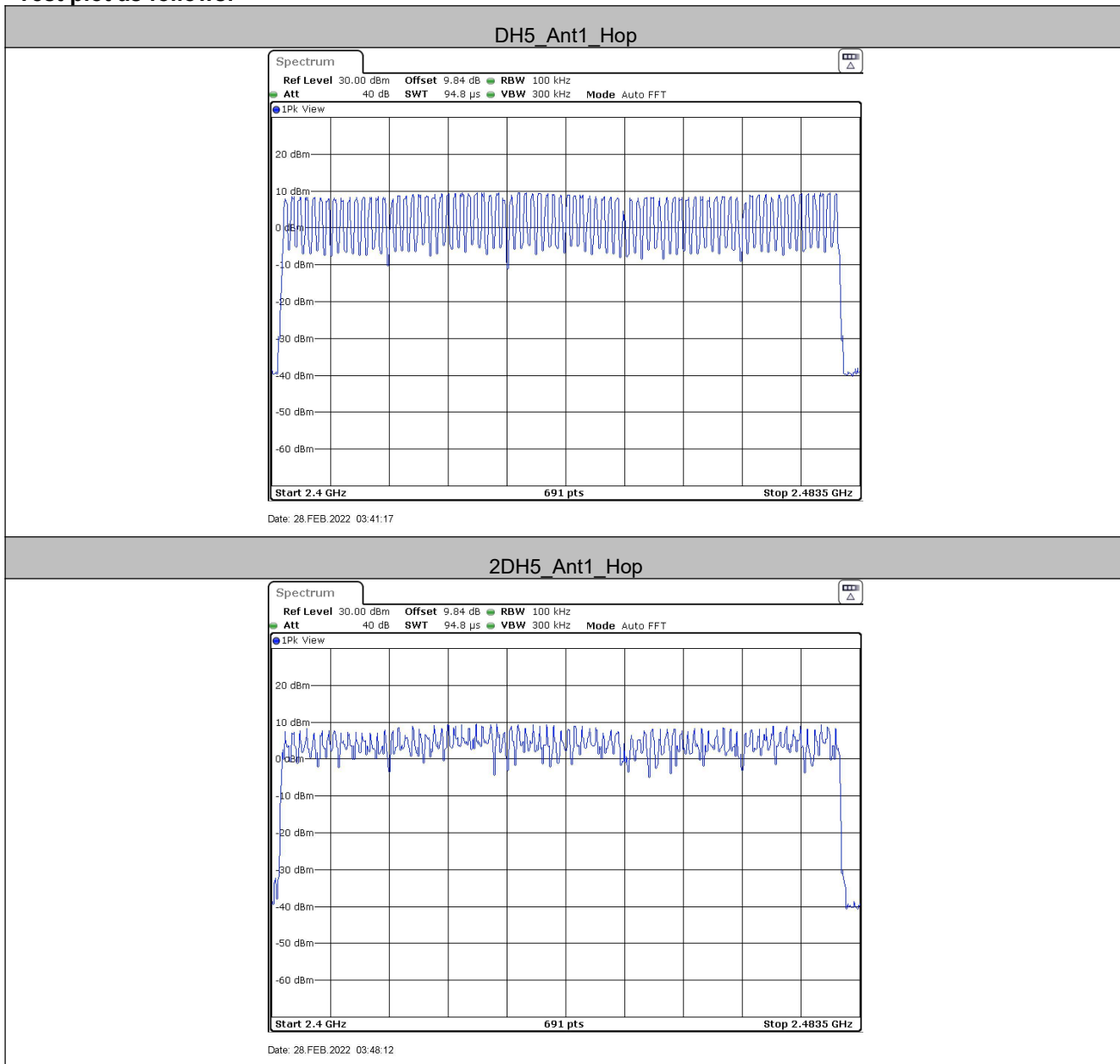
5.6 Hopping Channel Number

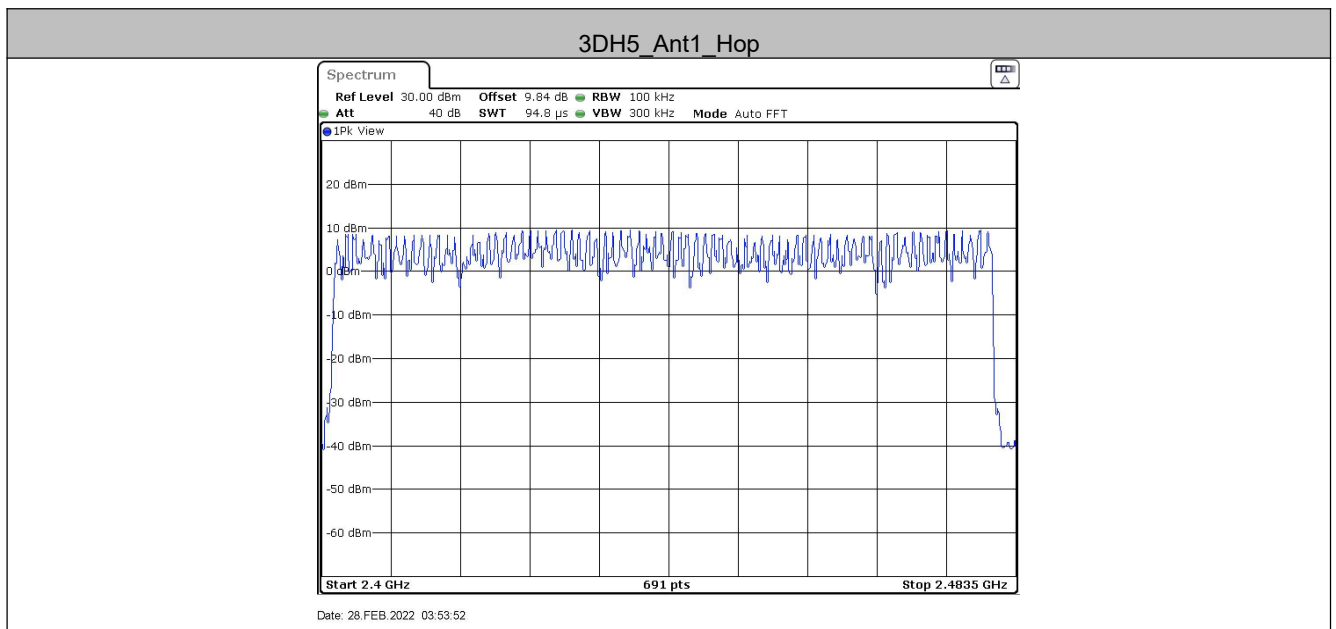
Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2013
Test Setup:	 Remark: Offset=Cable loss+ attenuation factor.
Limit:	At least 15 channels
Exploratory Test Mode:	hopping transmitting with all kind of modulation and all kind of data type
Final Test Mode:	Through Pre-scan,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

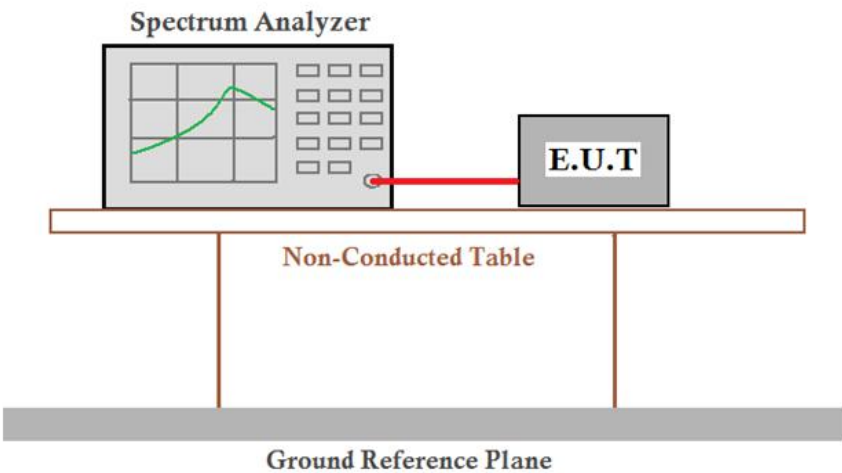
Mode	Hopping channel numbers	Limit
GFSK	79	≥ 15
$\pi/4$ DQPSK	79	≥ 15
8DPSK	79	≥ 15

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:	 Remark: Offset=Cable loss+ attenuation factor.
Test Mode:	Hopping transmitting with all kind of modulation and all kind of data type.
Limit:	0.4 Second
Test Results:	Pass

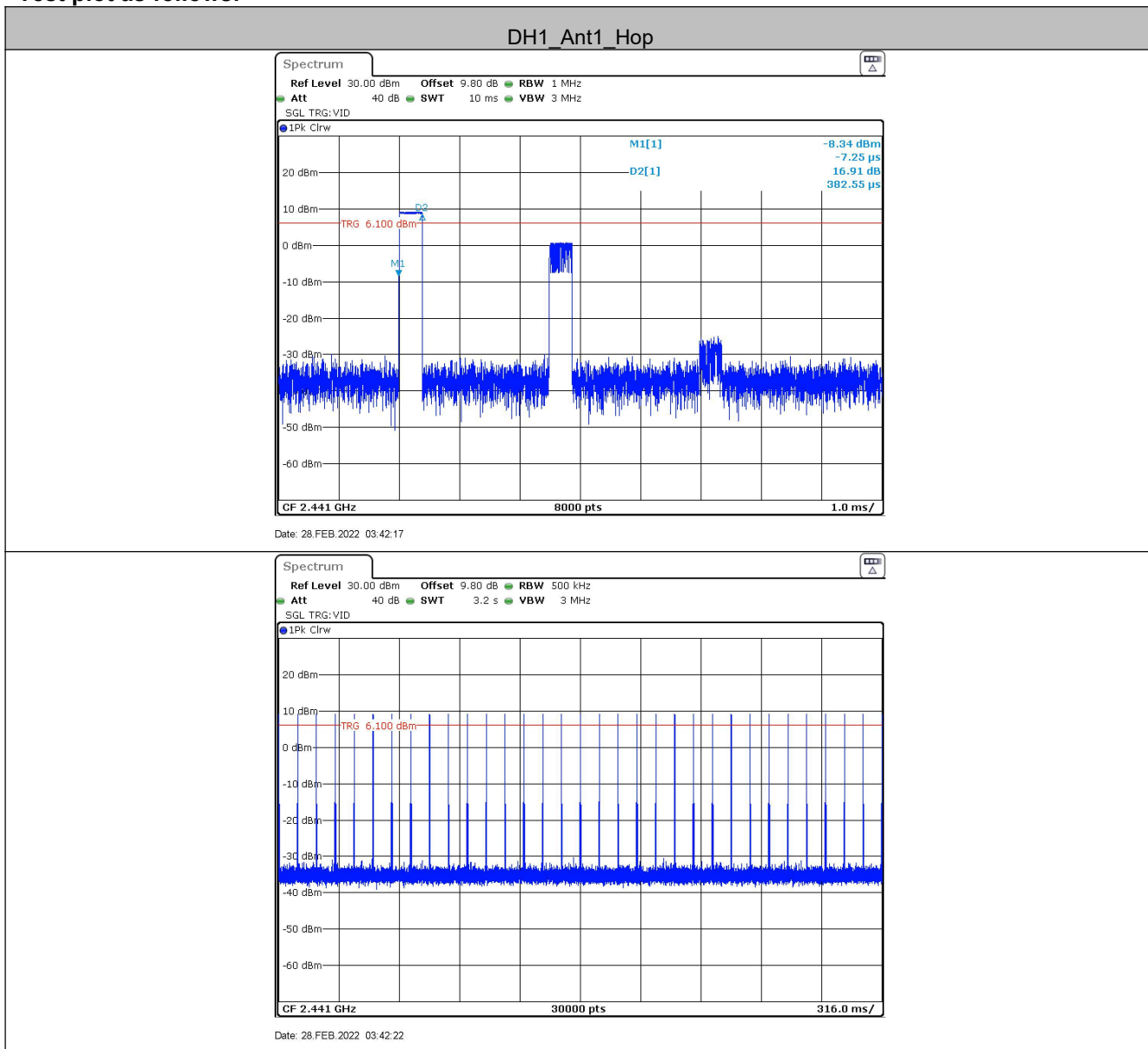
Measurement Data

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.38	320	0.122	≤0.4	PASS
DH3	Ant1	Hop	0.39	320	0.125	≤0.4	PASS
DH5	Ant1	Hop	0.39	320	0.125	≤0.4	PASS
2DH1	Ant1	Hop	0.29	320	0.091	≤0.4	PASS
2DH3	Ant1	Hop	0.29	320	0.091	≤0.4	PASS
2DH5	Ant1	Hop	0.29	320	0.091	≤0.4	PASS
3DH1	Ant1	Hop	0.24	320	0.078	≤0.4	PASS
3DH3	Ant1	Hop	0.24	320	0.078	≤0.4	PASS
3DH5	Ant1	Hop	0.24	320	0.078	≤0.4	PASS

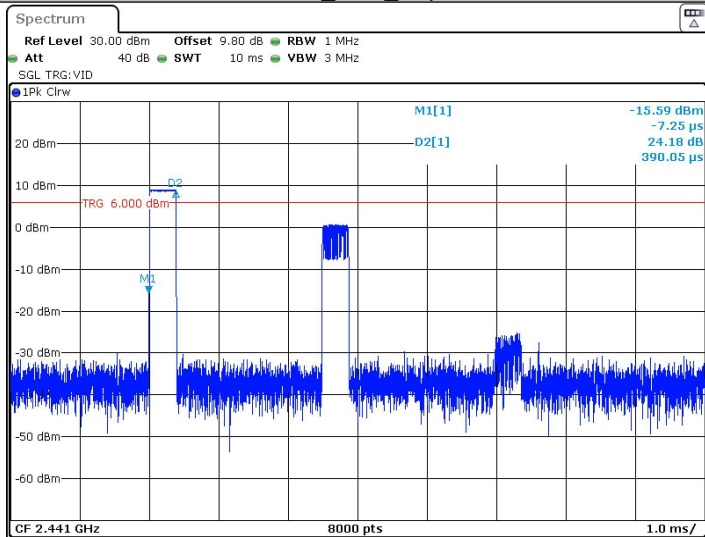
Remark:

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

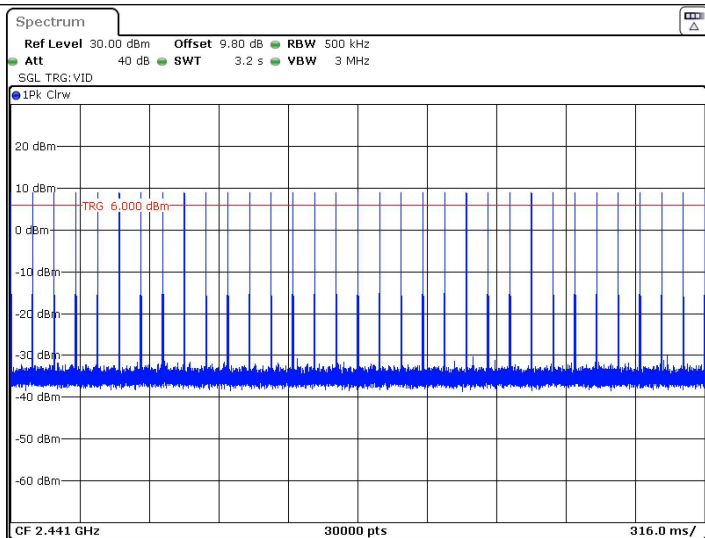
Test plot as follows:



DH3_Ant1_Hop

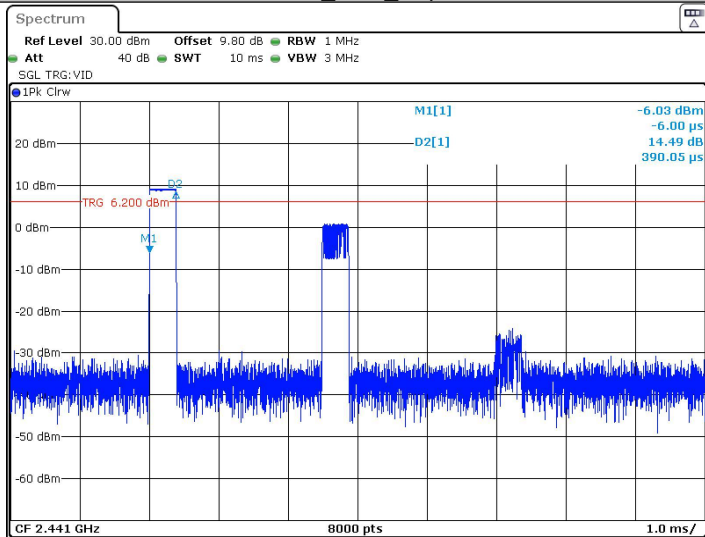


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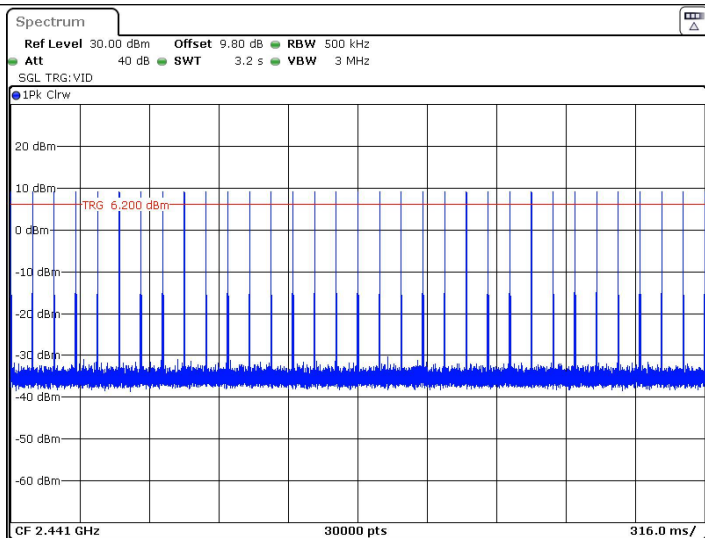


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DH5_Ant1_Hop

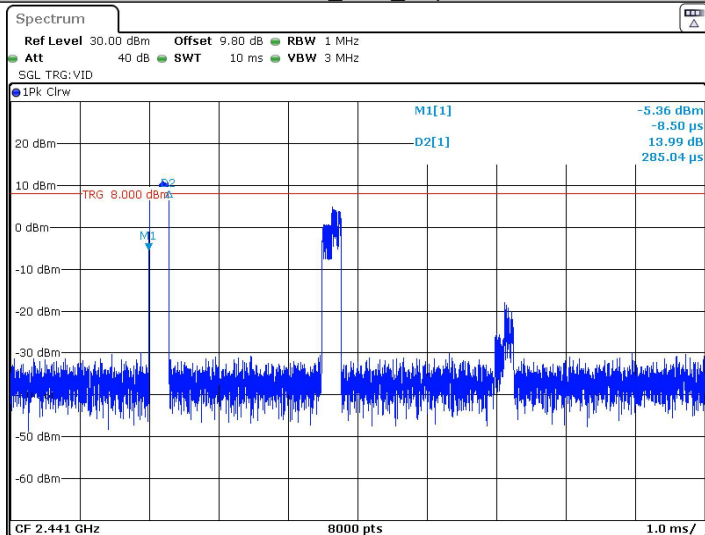


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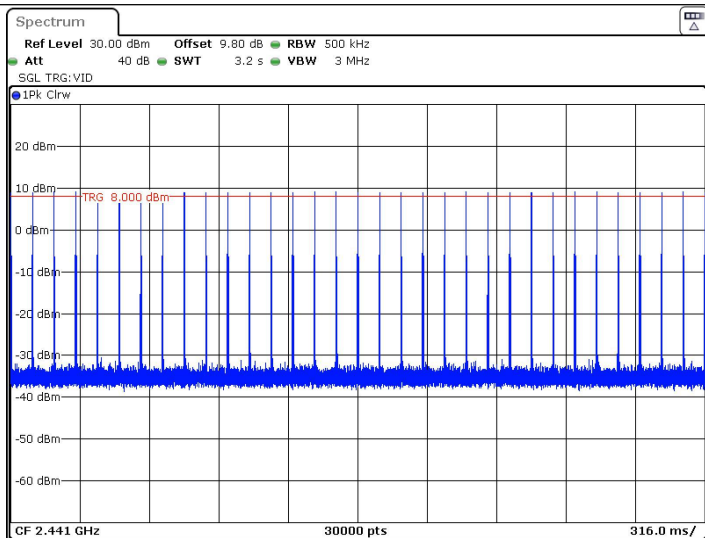


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2DH1_Ant1_Hop

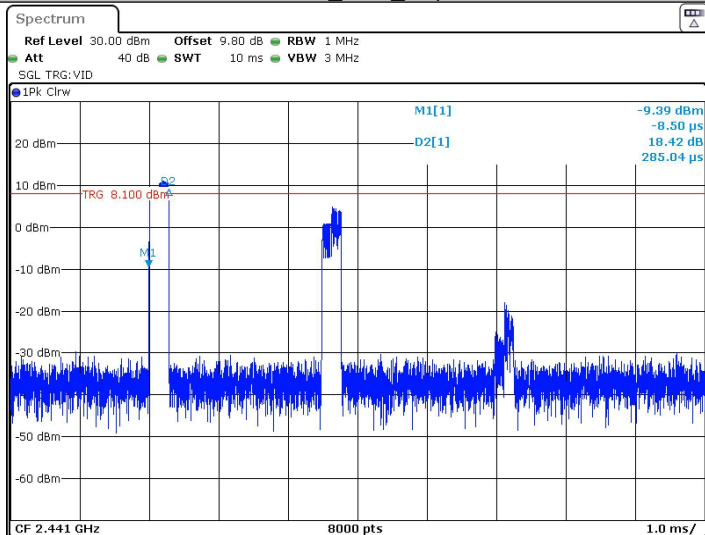


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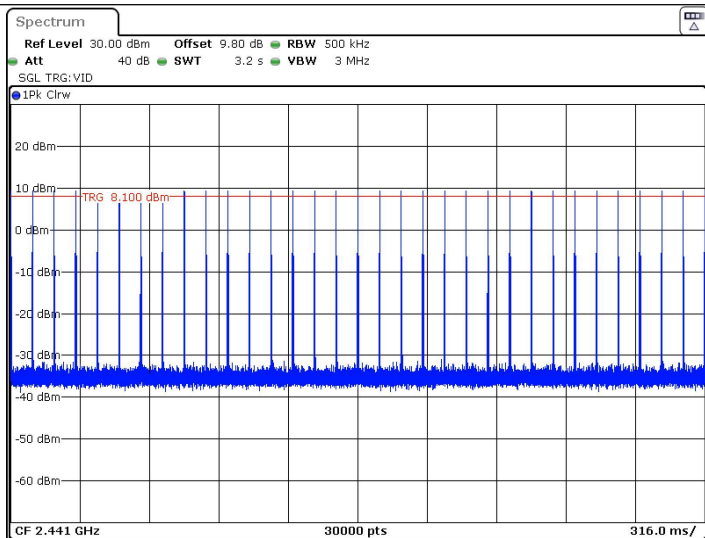


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2DH3_Ant1_Hop

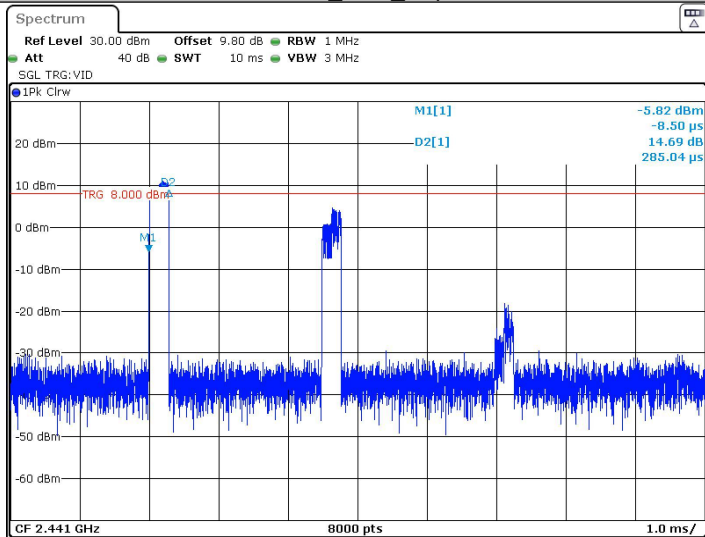


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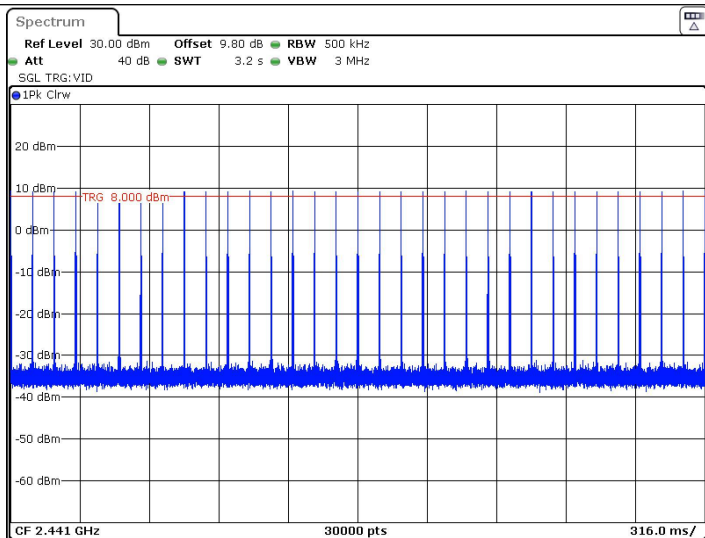


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2DH5_Ant1_Hop



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