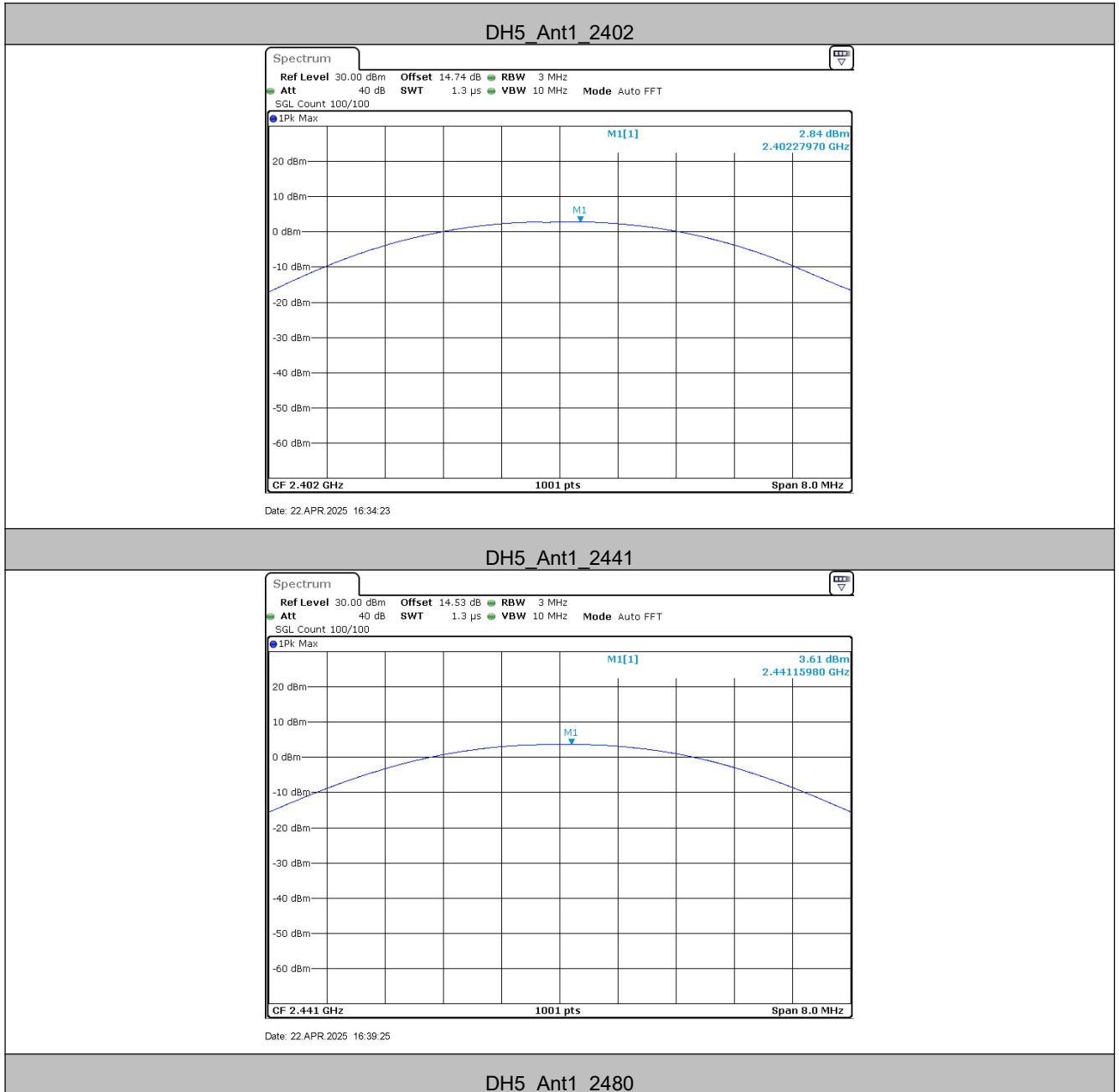
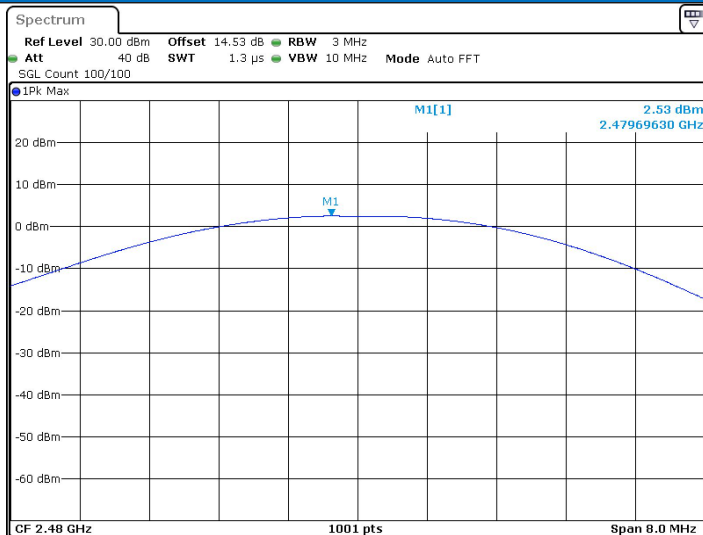


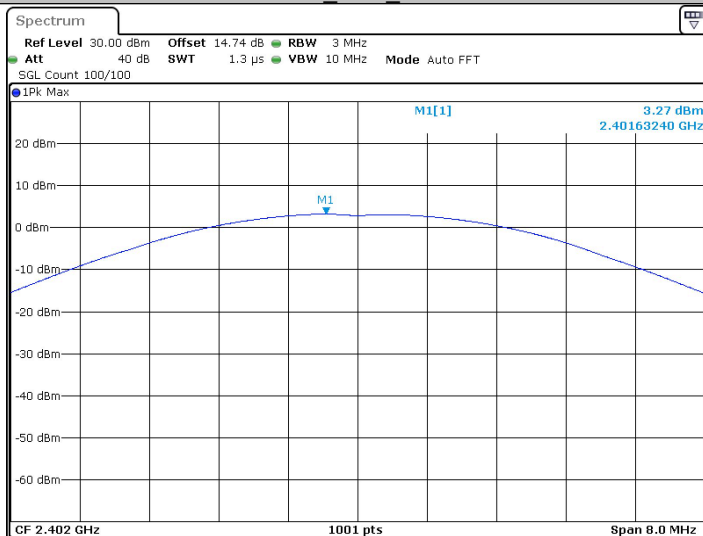
Test plot as follows:





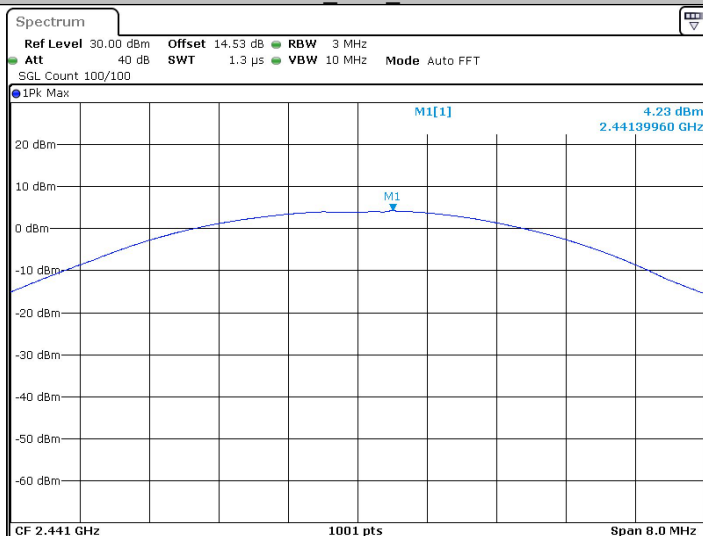
Date: 22 APR 2025 16:42:28

2DH5_Ant1_2402



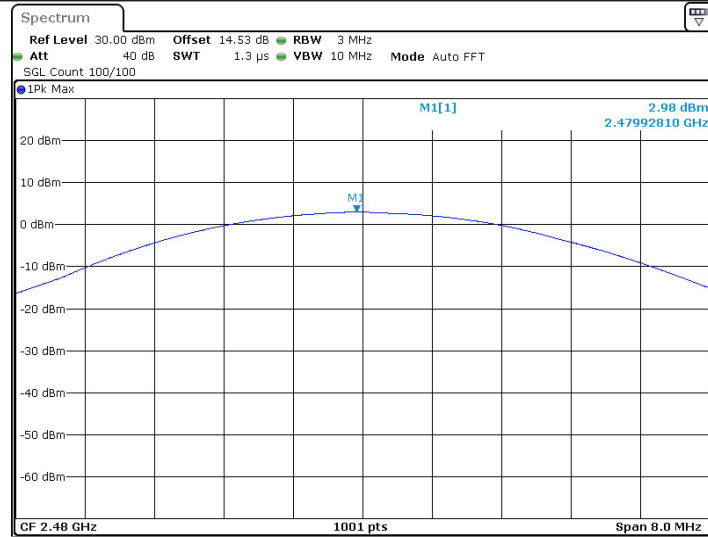
Date: 22 APR 2025 16:44:27

2DH5_Ant1_2441



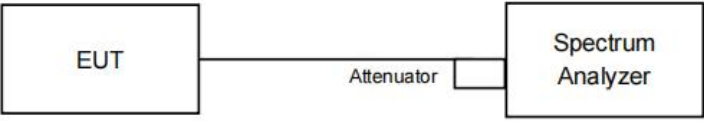
Date: 22 APR 2025 16:49:19

2DH5_Ant1_2480



Date: 22 APR 2025 17:00:09

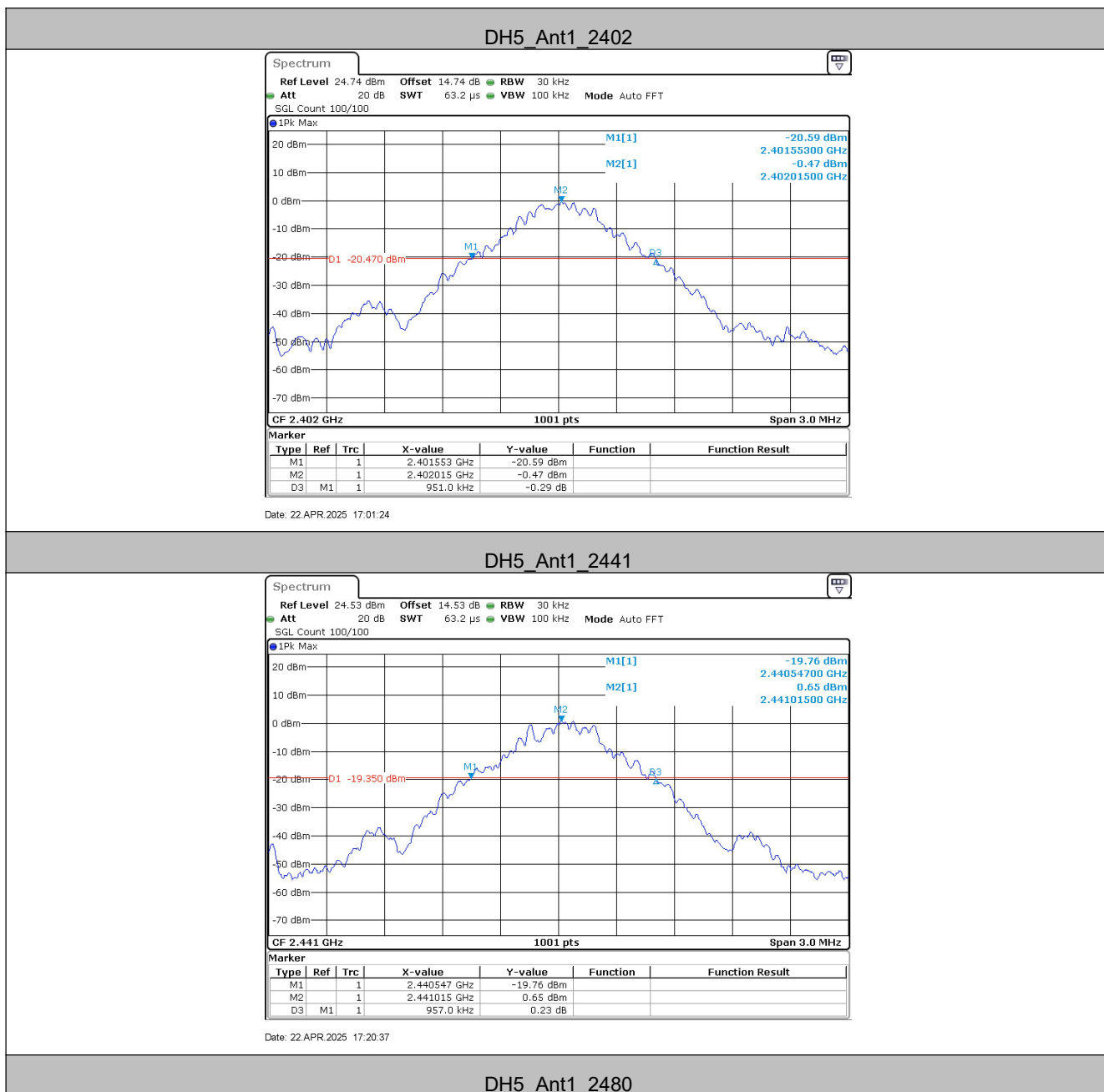
5.4 20dB Occupied Bandwidth

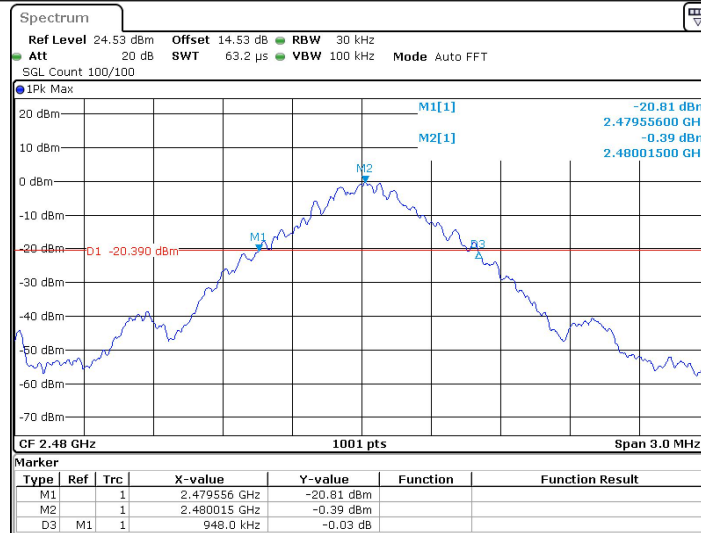
Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2013
Test Setup:	 Remark: Offset=Cable loss+ attenuation factor.
Limit:	NA
Exploratory Test Mode:	Non-hopping transmitting with all kind of modulation and all kind of data type
Final Test Mode:	Only the worst case is recorded in the report.
Test Results:	Pass

Measurement Data

Test channel	20dB Occupy Bandwidth (MHz)	
	GFSK	$\pi/4$ DQPSK
Lowest	0.95	1.28
Middle	0.96	1.29
Highest	0.95	1.28

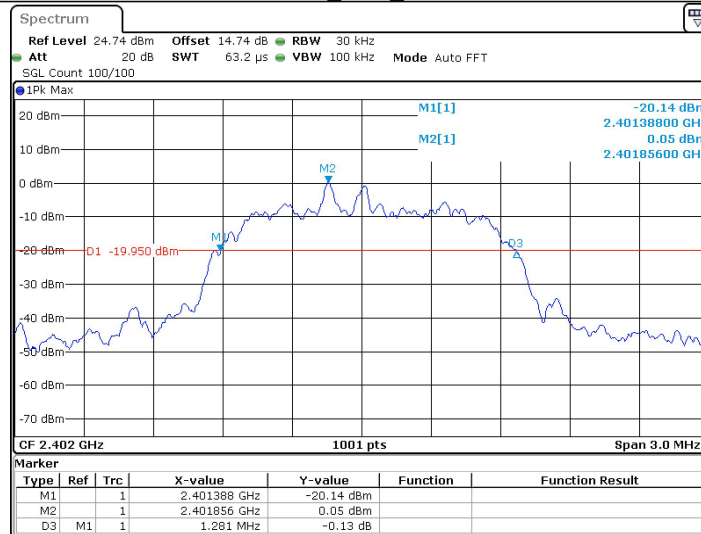
Test plot as follows:





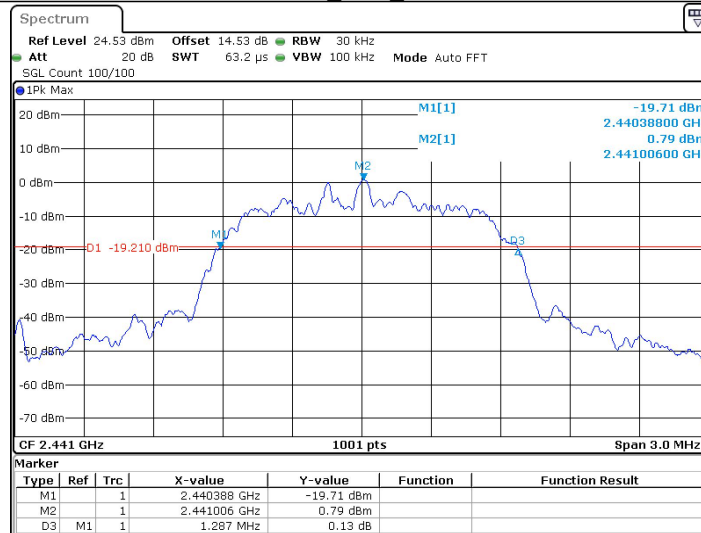
Date: 22 APR 2025 17:21:17

2DH5_Ant1_2402



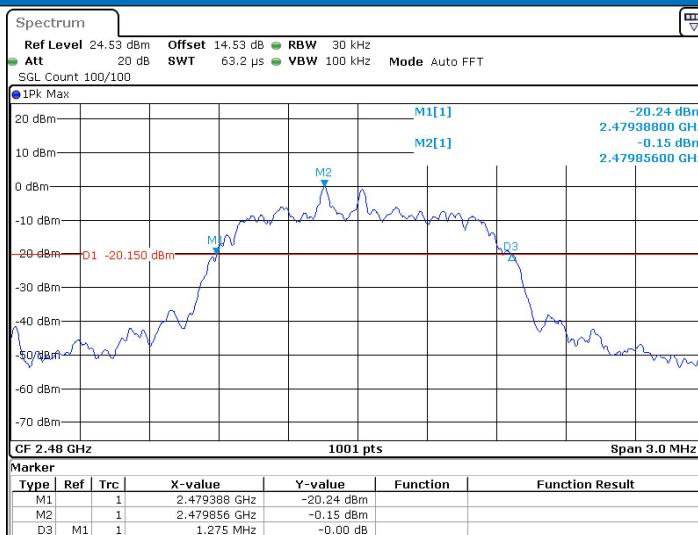
Date: 22 APR 2025 17:23:07

2DH5_Ant1_2441



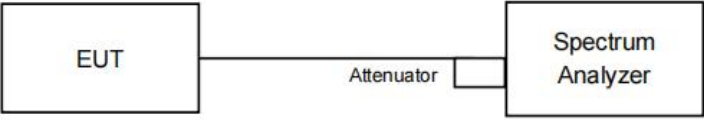
Date: 22 APR 2025 17:24:26

2DH5_Ant1_2480



Date: 22 APR 2025 17:30:01

5.5 Carrier Frequencies Separation

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:	2/3 of the 20dB bandwidth
	Remark: the transmission power is less than 0.125W.
Exploratory Test Mode:	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

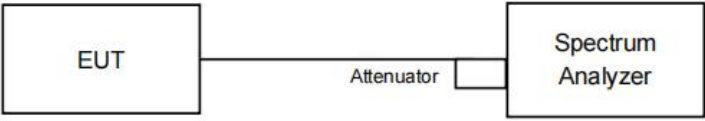
TestMode	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Hop	0.997	≥0.64	PASS
2DH5	Hop	1.035	≥0.860	PASS

Mode	20dB bandwidth (MHz) (worse case)	Limit (MHz) (Carrier Frequencies Separation)
GFSK	0.96	≥0.64
$\pi/4$ DQPSK	1.29	≥0.860

Test plot as follows:



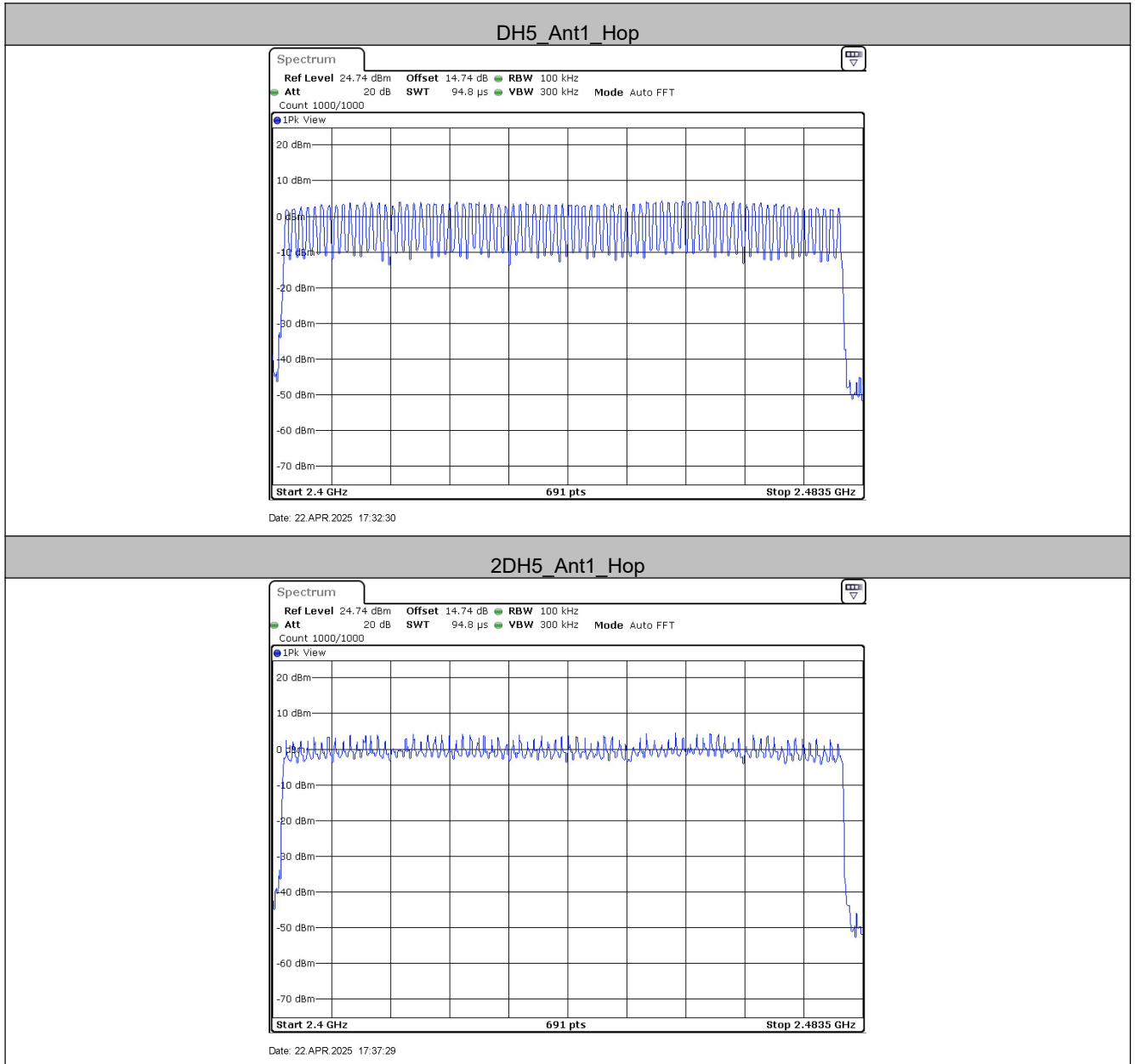
5.6 Hopping Channel Number

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2013
Test Setup:	 <i>Remark: Offset=Cable loss+ attenuation factor.</i>
Limit:	At least 15 channels
Exploratory Test Mode:	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

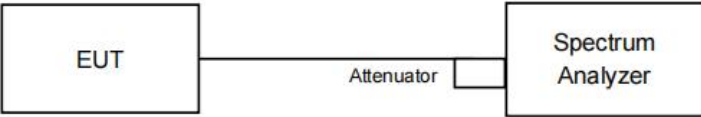
Measurement Data

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

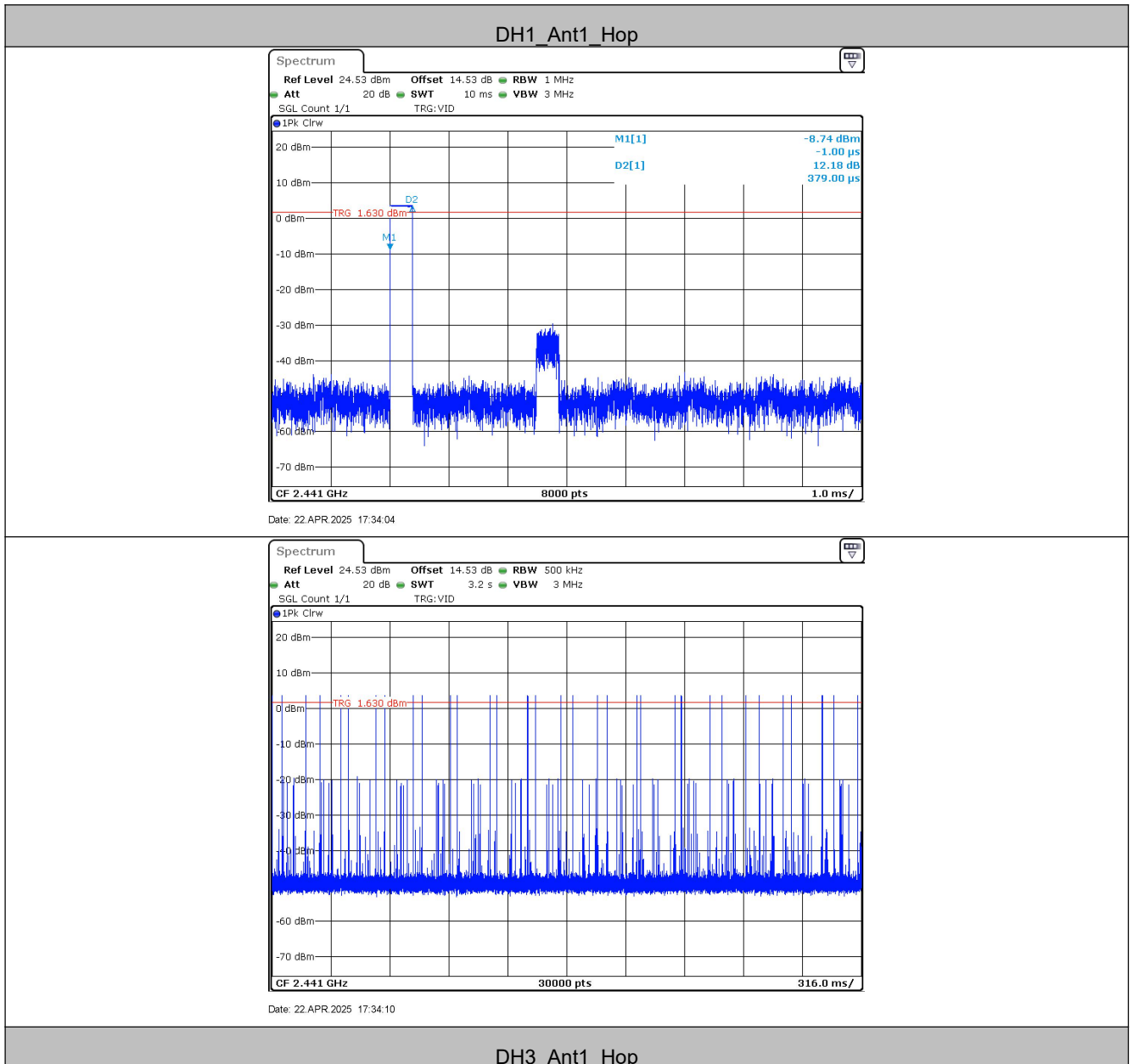
Measurement Data

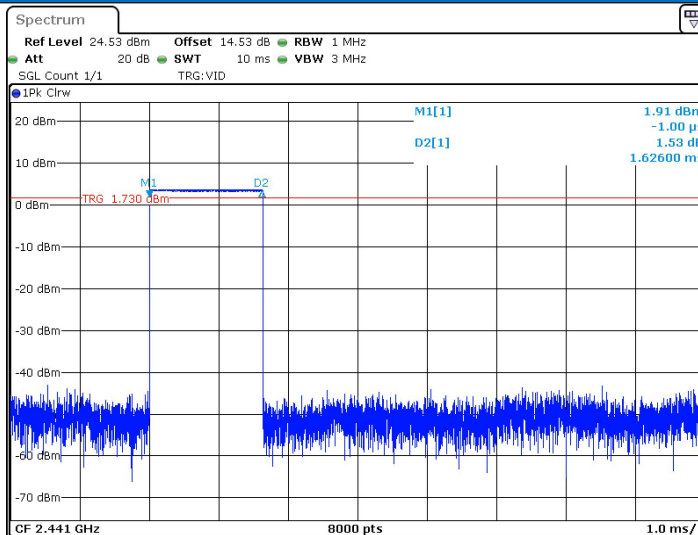
TestMode	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Hop	0.379	330	0.125	≤0.4	PASS
DH3	Hop	1.626	170	0.276	≤0.4	PASS
DH5	Hop	2.868	120	0.344	≤0.4	PASS
2DH1	Hop	0.389	330	0.128	≤0.4	PASS
2DH3	Hop	1.633	150	0.245	≤0.4	PASS
2DH5	Hop	2.873	80	0.23	≤0.4	PASS

Remark:

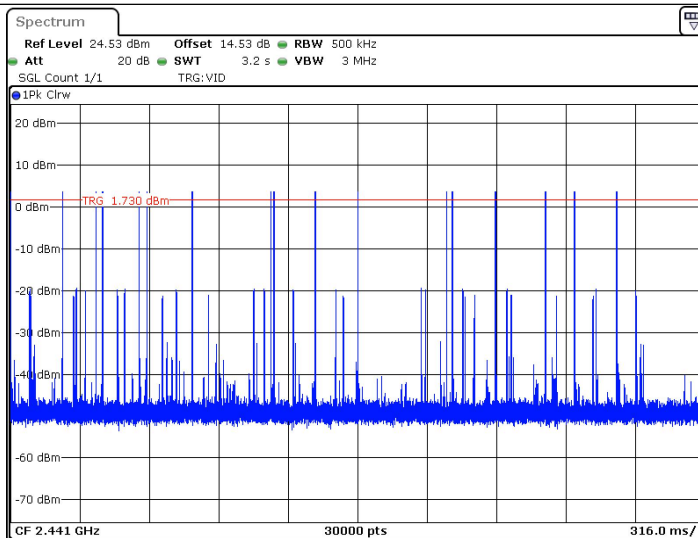
The test period: $T = 0.4 \text{ Second/Channel} \times 79 \text{ Channel} = 31.6 \text{ s}$

Test plot as follows:



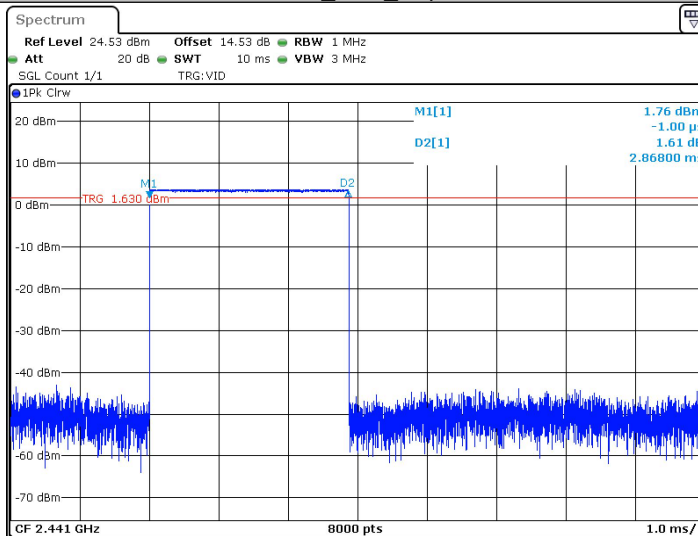


Date: 22 APR 2025 17:35:23

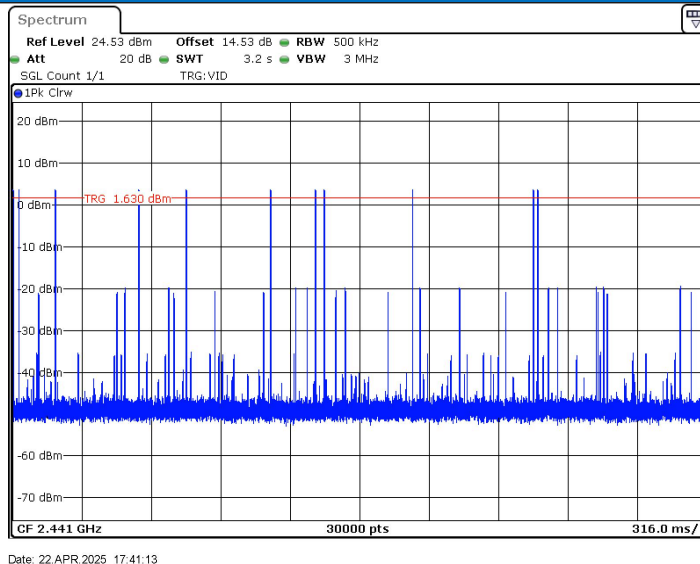


Date: 22 APR 2025 17:35:29

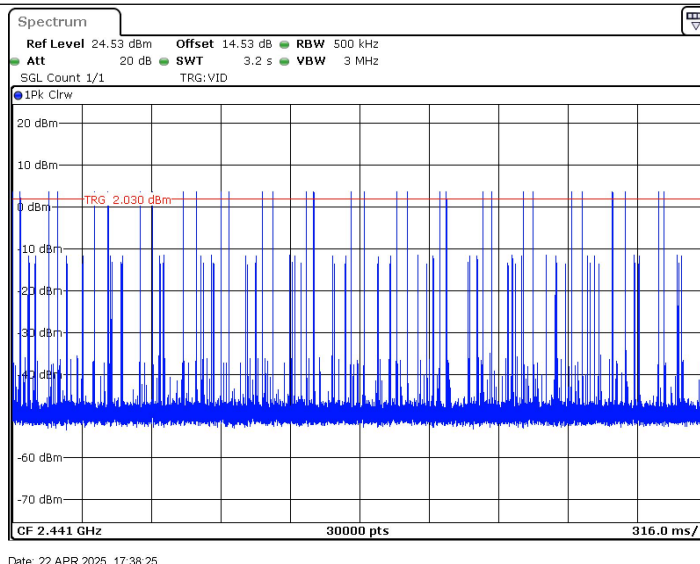
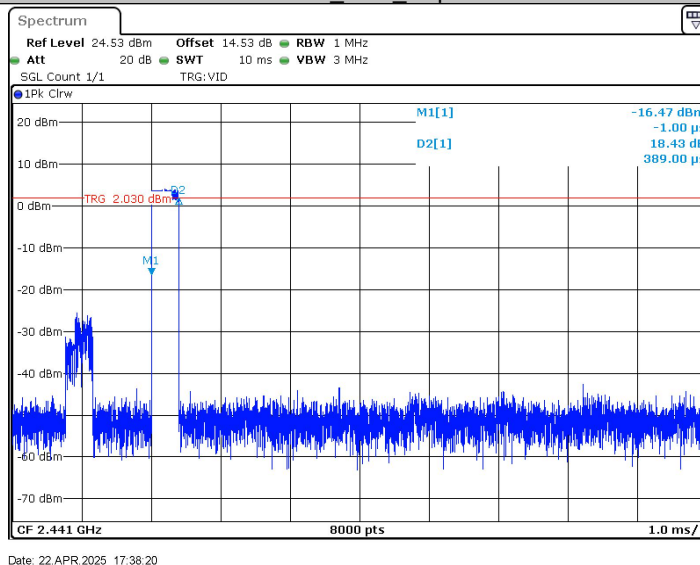
DH5_Ant1_Hop



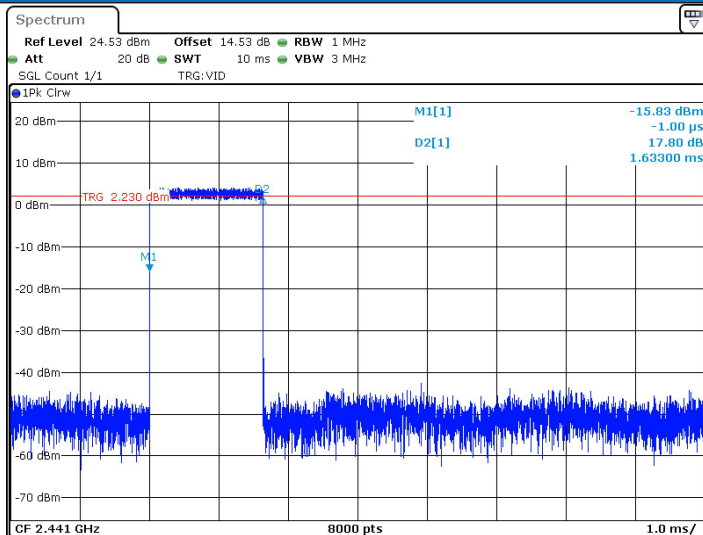
Date: 22 APR 2025 17:41:08



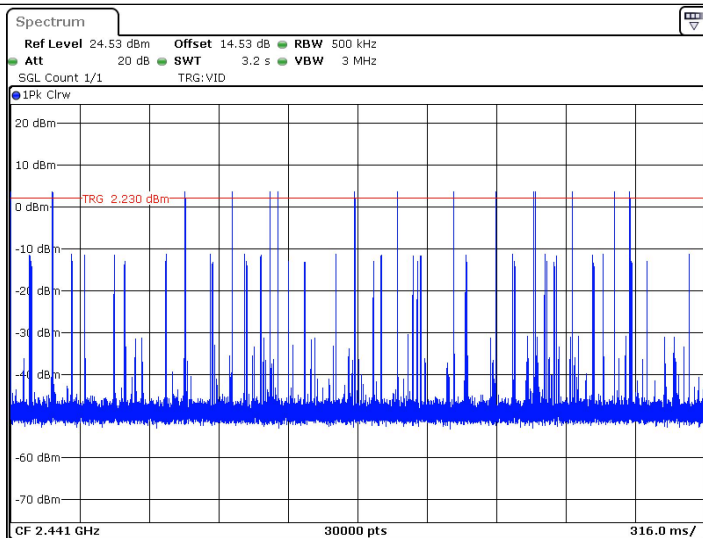
2DH1_Ant1_Hop



2DH3_Ant1_Hop

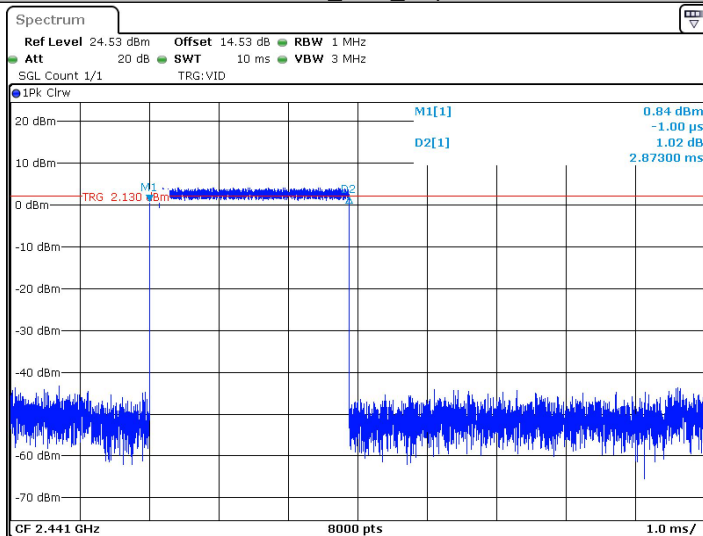


Date: 22 APR 2025 17:38:46

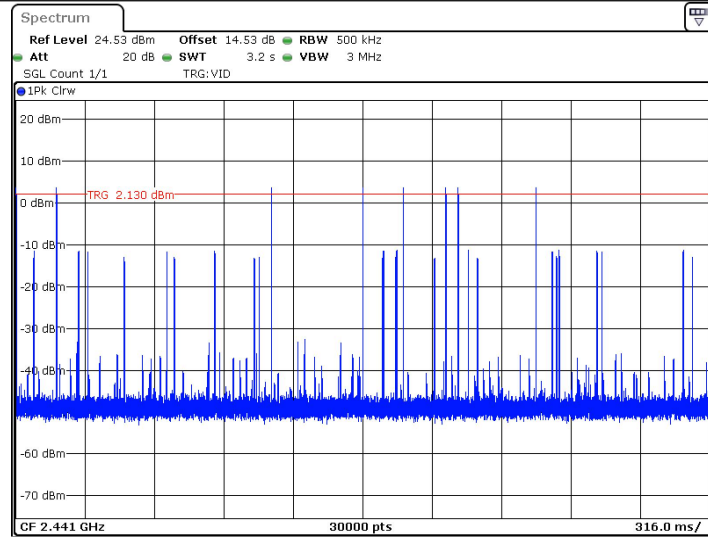


Date: 22 APR 2025 17:38:52

2DH5_Ant1_Hop

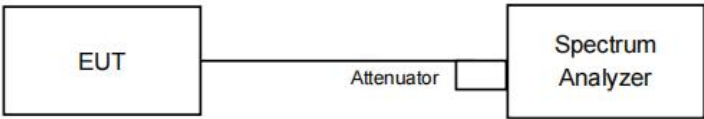


Date: 22 APR 2025 17:37:45



Date: 22 APR 2025 17:37:50

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:	 <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:	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