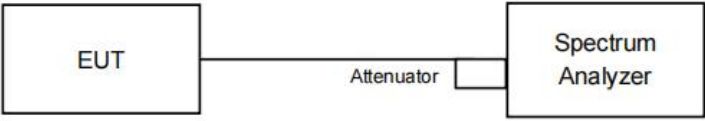


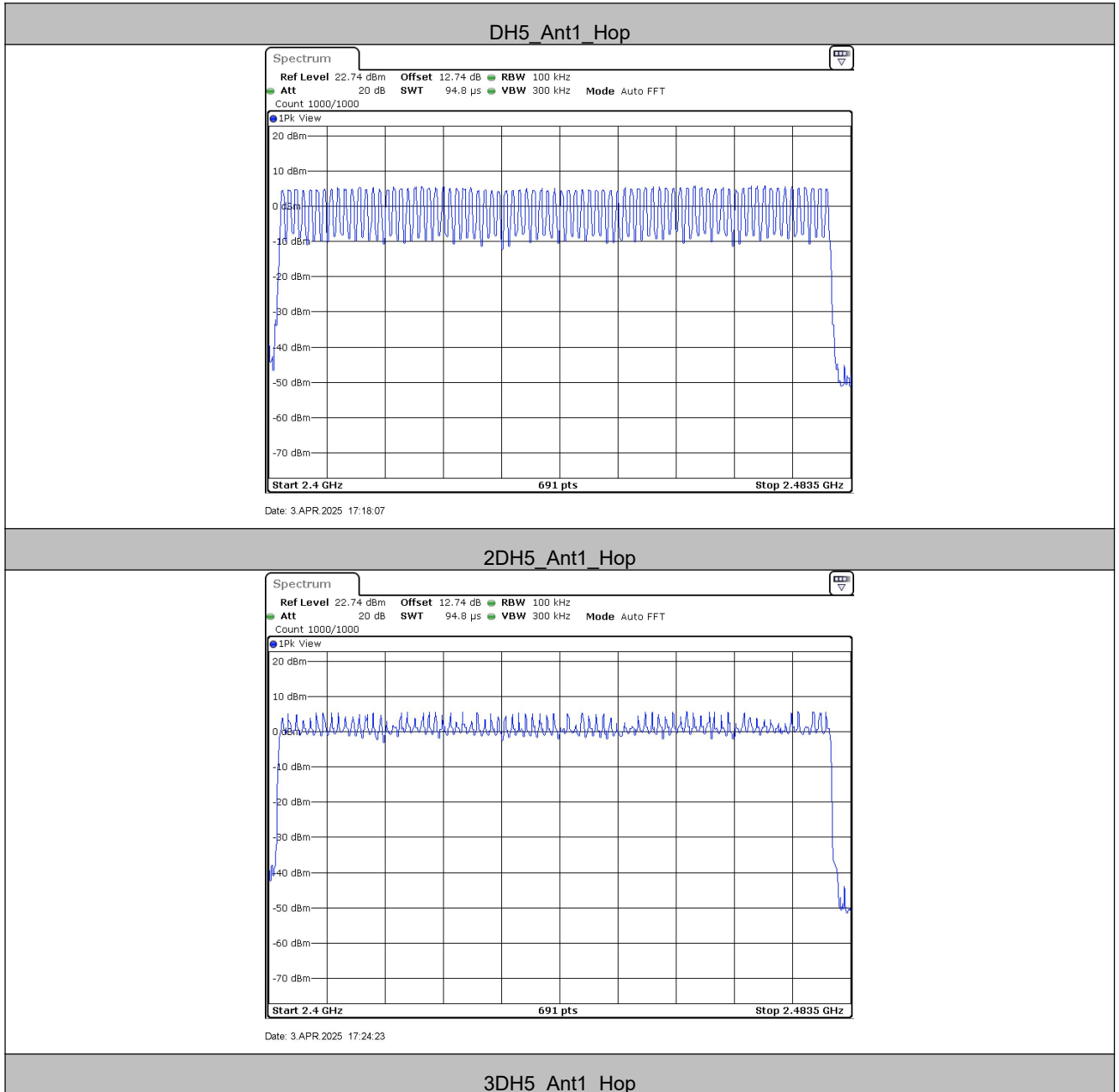
5.5 Hopping Channel Number

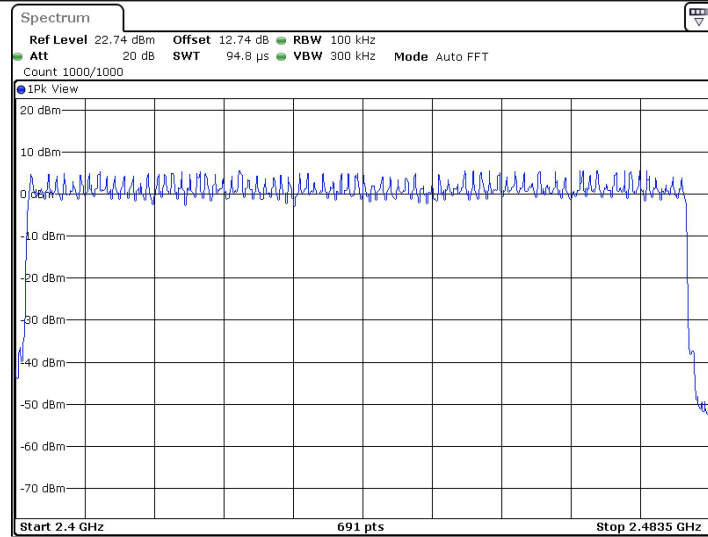
Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2013
Test Setup:	 <i>Remark: Offset=Cable loss+ attenuation factor.</i>
Limit:	At least 15 channels
Exploratory Test Mode:	hopping transmitting with all kind of modulation and all kind of data type
Final Test Mode:	Only 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
8DPSK	79	≥15

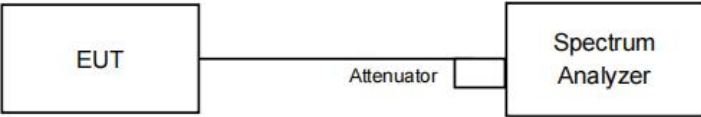
Test plot as follows:





Date: 3 APR 2025 17:37:23

5.6 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

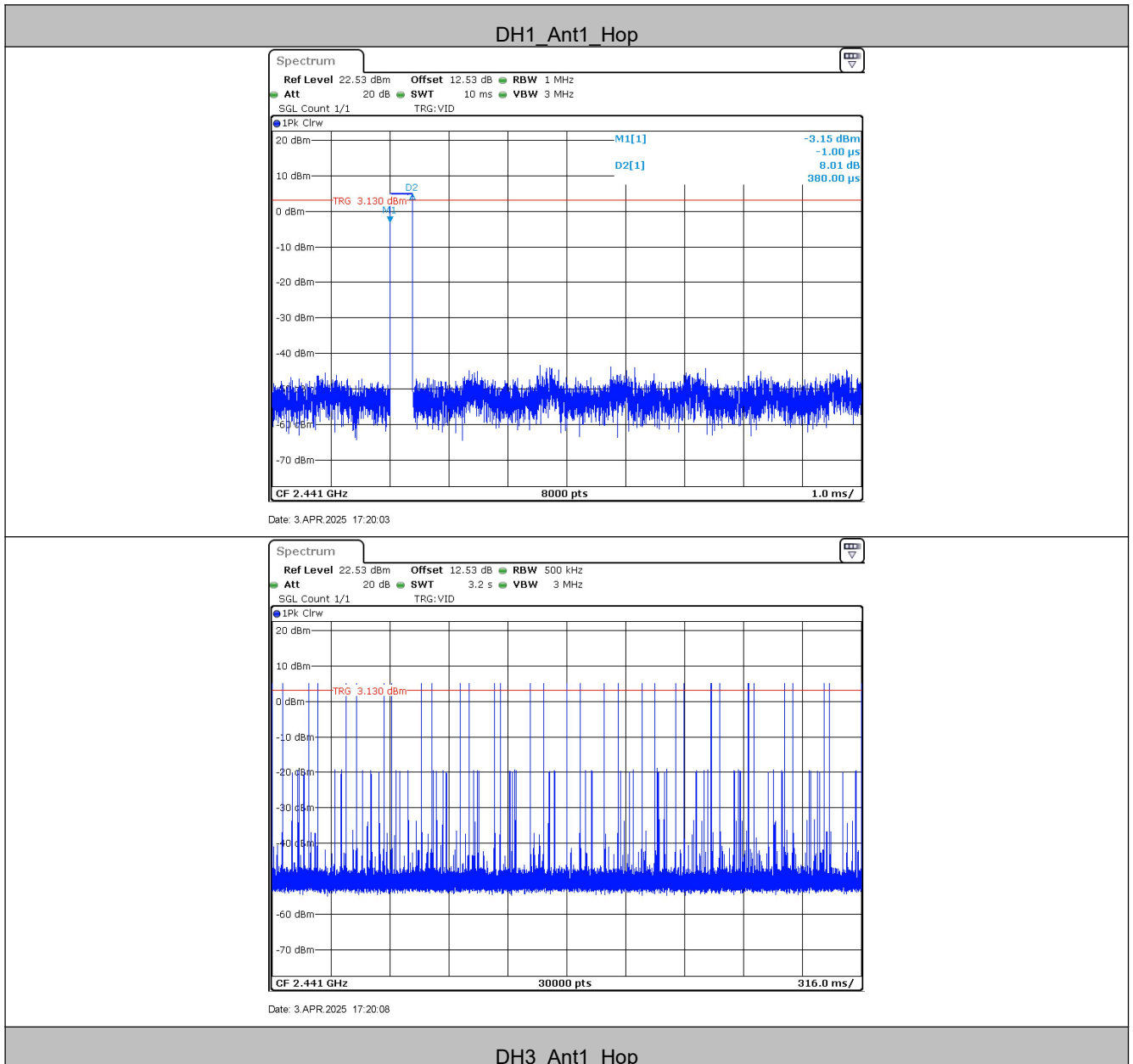
Measurement Data

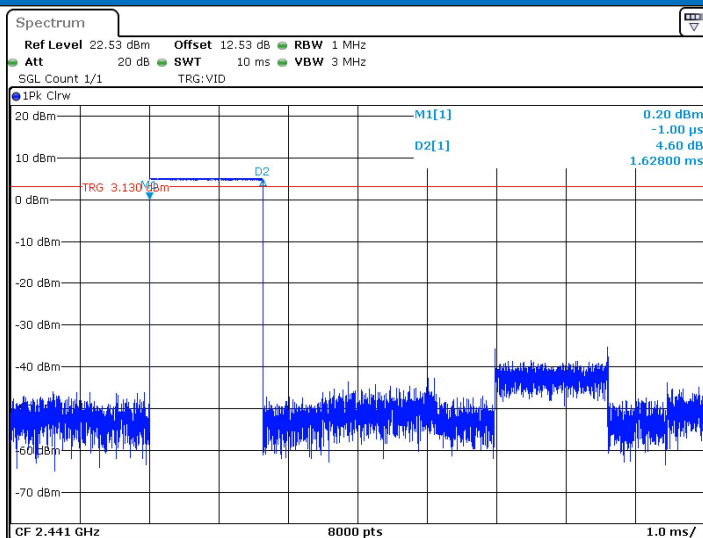
TestMode	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Hop	0.380	320	0.122	≤0.4	PASS
DH3	Hop	1.628	100	0.163	≤0.4	PASS
DH5	Hop	2.869	80	0.23	≤0.4	PASS
2DH1	Hop	0.389	320	0.124	≤0.4	PASS
2DH3	Hop	1.633	140	0.229	≤0.4	PASS
2DH5	Hop	2.873	100	0.287	≤0.4	PASS
3DH1	Hop	0.389	320	0.124	≤0.4	PASS
3DH3	Hop	1.631	140	0.228	≤0.4	PASS
3DH5	Hop	2.875	130	0.374	≤0.4	PASS

Remark:

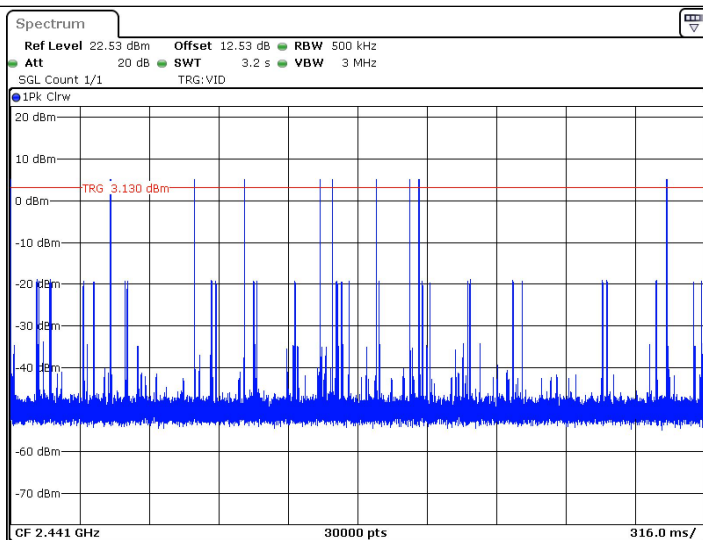
The test period: $T = 0.4 \text{ Second/Channel} \times 79 \text{ Channel} = 31.6 \text{ s}$

Test plot as follows:



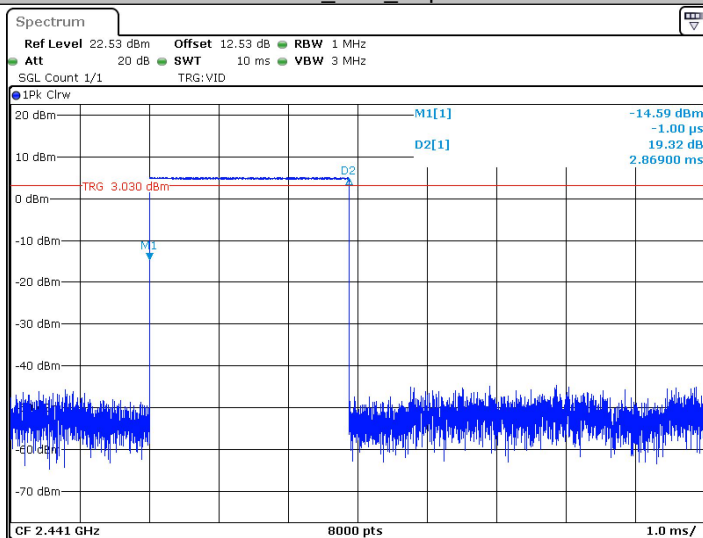


Date: 3 APR 2025 17:20:31

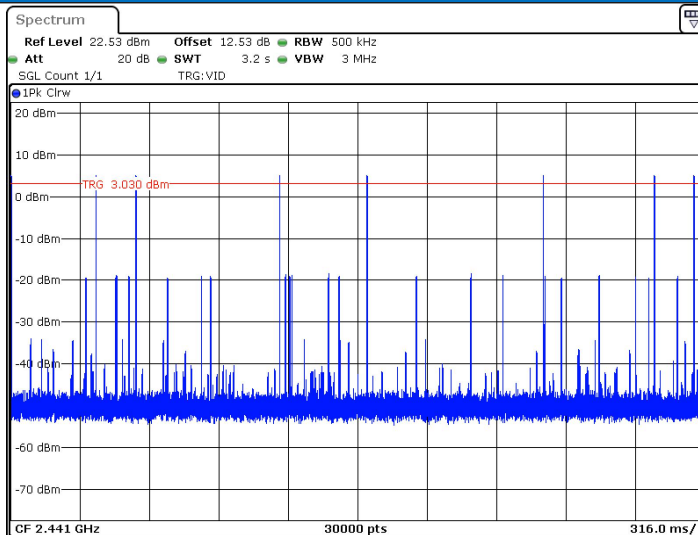


Date: 3 APR 2025 17:20:37

DH5_Ant1_Hop

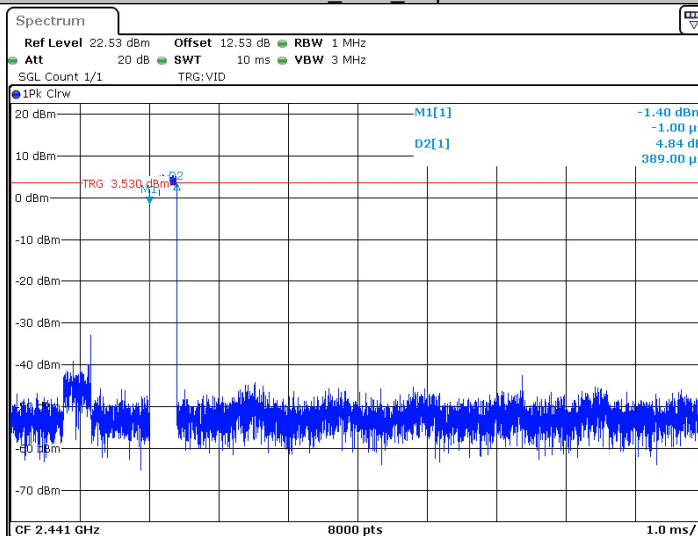


Date: 3 APR 2025 17:45:15

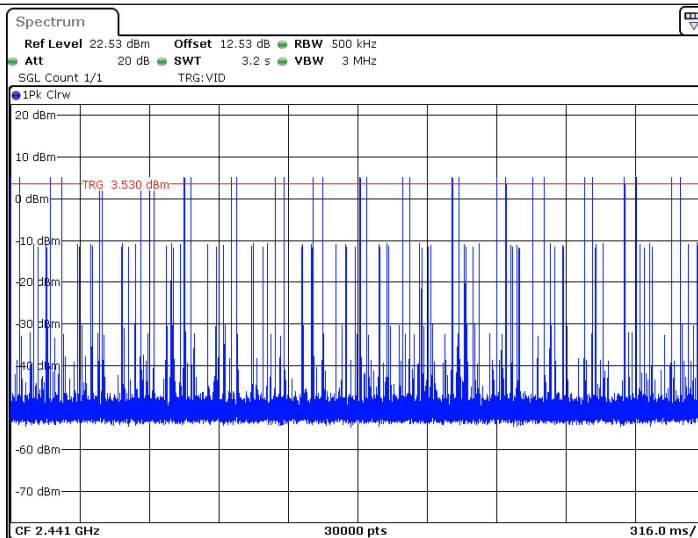


Date: 3 APR 2025 17:45:21

2DH1_Ant1_Hop

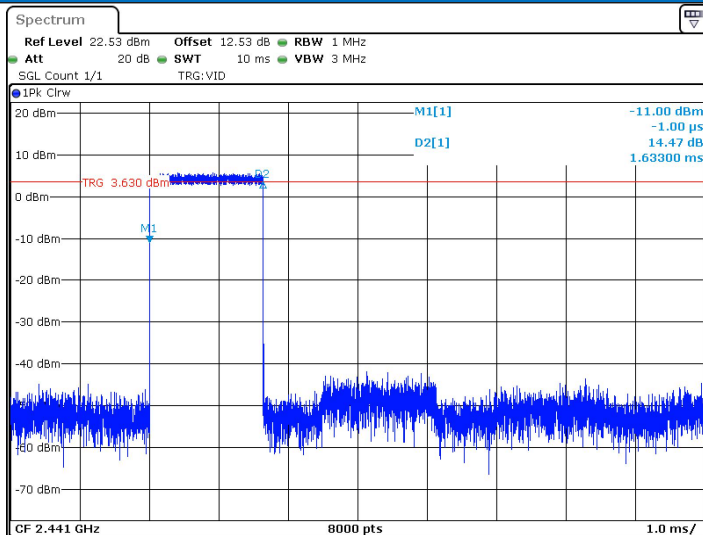


Date: 3 APR 2025 17:25:21

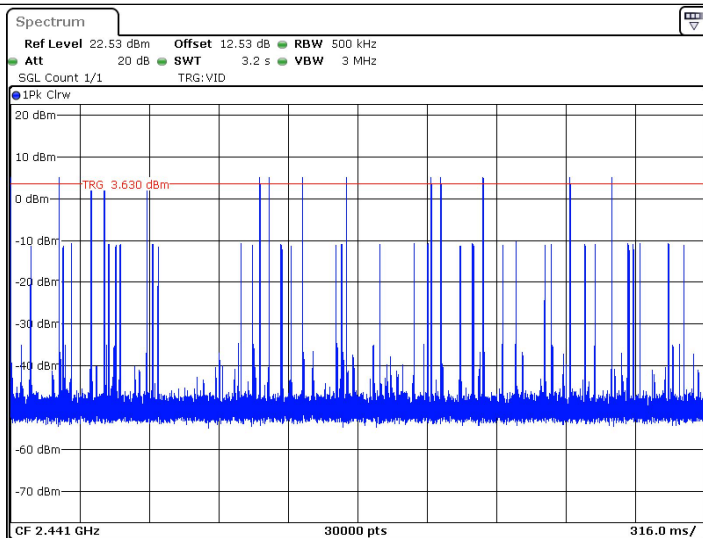


Date: 3 APR 2025 17:25:26

2DH3_Ant1_Hop

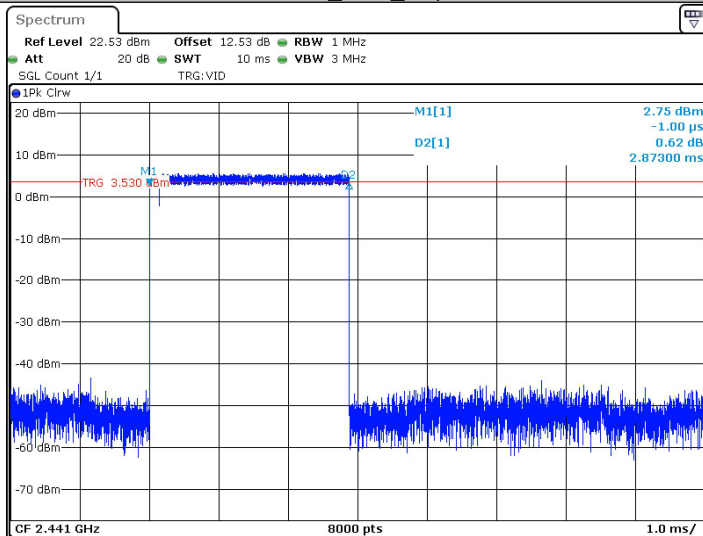


Date: 3 APR 2025 17:29:51

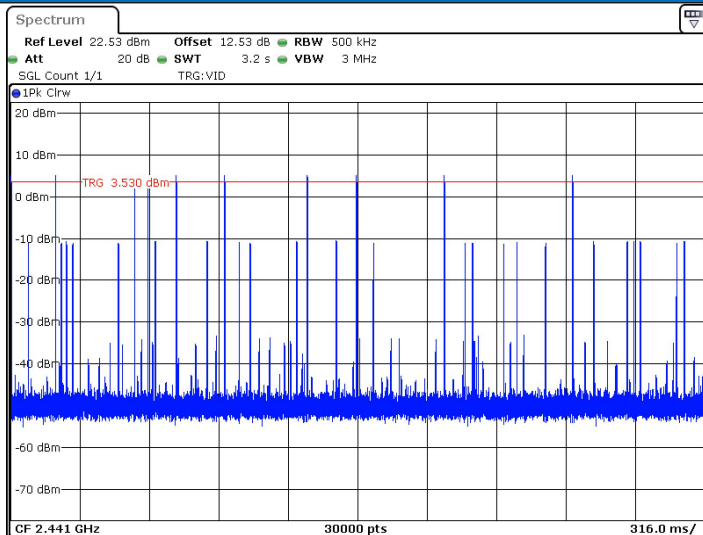


Date: 3 APR 2025 17:29:57

2DH5_Ant1_Hop

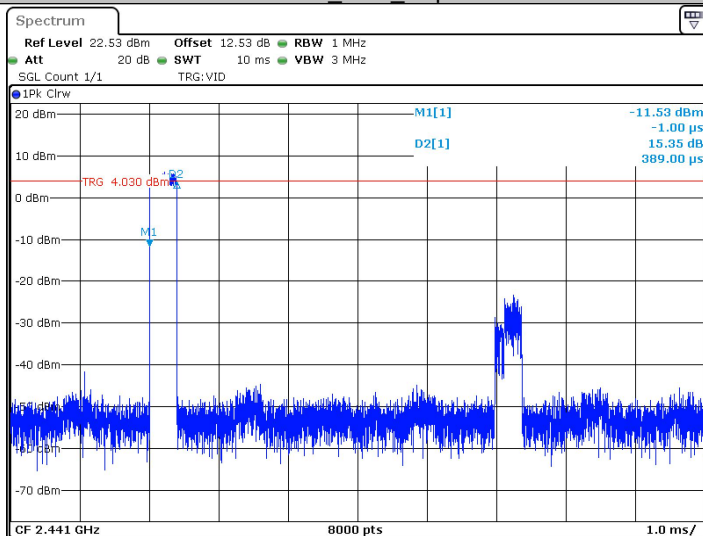


Date: 3 APR 2025 17:24:39

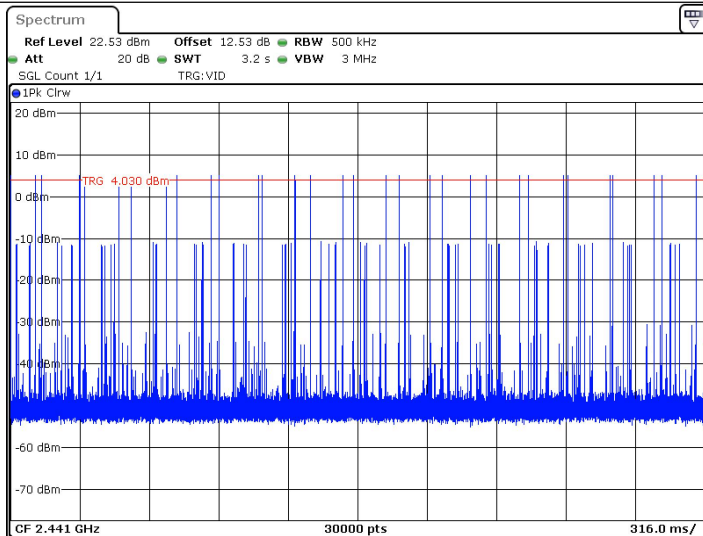


Date: 3 APR 2025 17:24:45

3DH1_Ant1_Hop

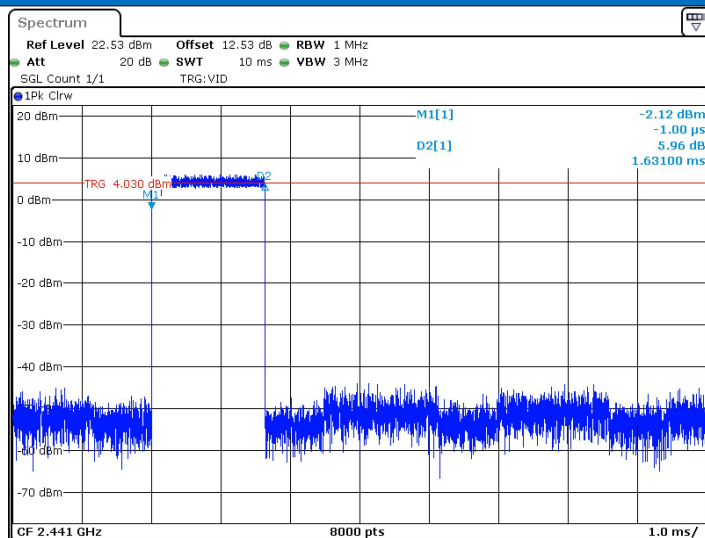


Date: 3 APR 2025 17:38:21

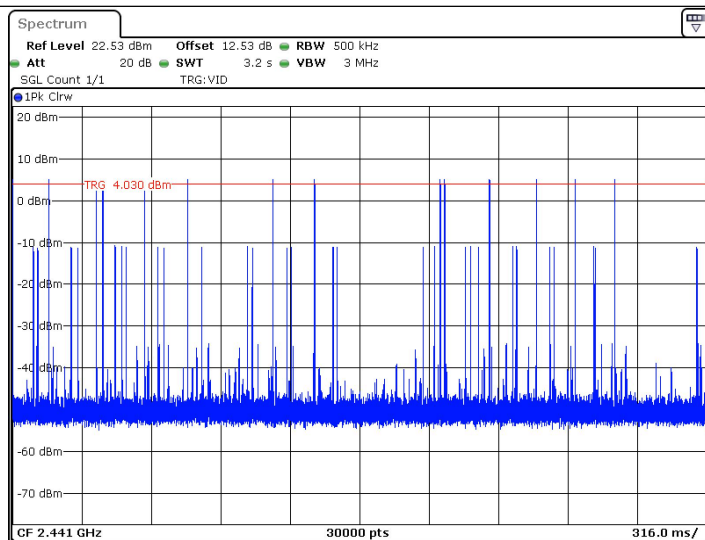


Date: 3 APR 2025 17:38:27

3DH3_Ant1_Hop

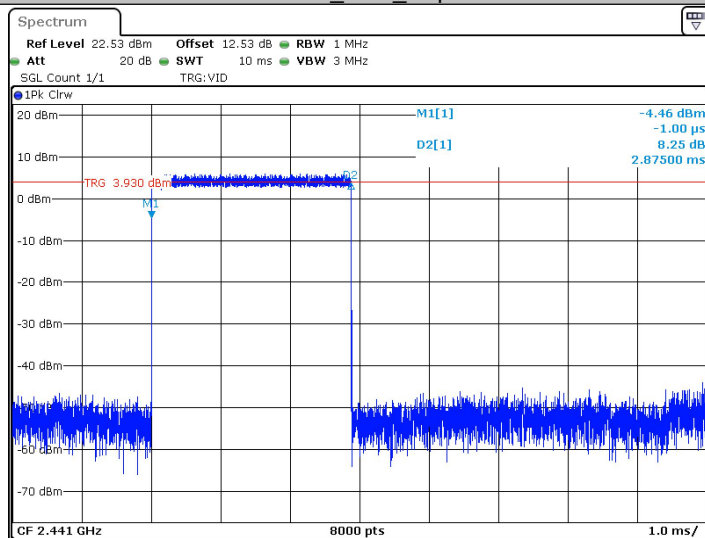


Date: 3 APR 2025 17:43:13

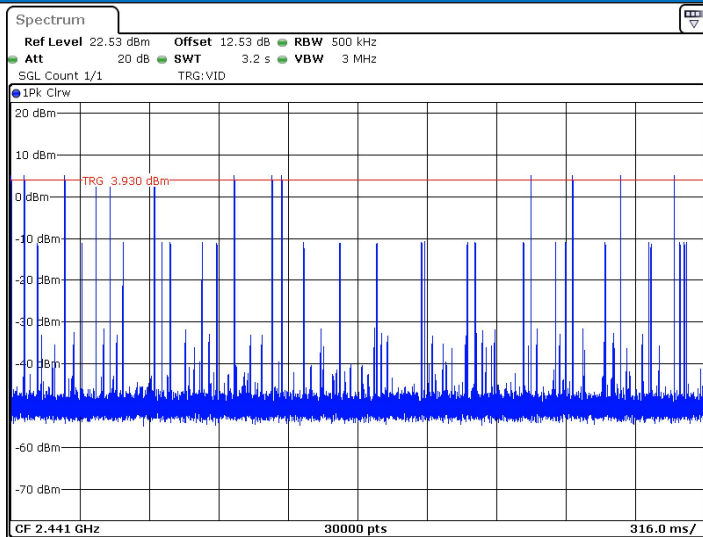


Date: 3 APR 2025 17:43:19

3DH5_Ant1_Hop

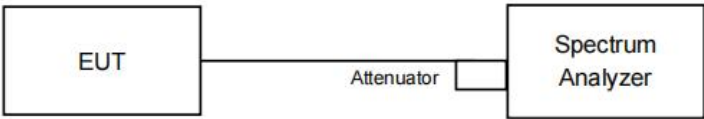


Date: 3 APR 2025 17:37:39



Date: 3 APR 2025 17:37:44

5.7 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

Measurement Data

TestMode	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Low	2402	5.04	-39.06	≤ -14.96	PASS
	High	2480	5.38	-49.99	≤ -14.62	PASS
	Low	Hop_2402	4.21	-39.99	≤ -15.79	PASS
	High	Hop_2480	4.72	-48.82	≤ -15.28	PASS
2DH5	Low	2402	5.08	-38.91	≤ -14.92	PASS
	High	2480	4.42	-51.15	≤ -15.58	PASS
	Low	Hop_2402	3.74	-42.92	≤ -16.26	PASS
	High	Hop_2480	1.28	-51.61	≤ -18.72	PASS
3DH5	Low	2402	5.00	-39.13	≤ -15	PASS
	High	2480	5.34	-50.29	≤ -14.66	PASS
	Low	Hop_2402	5.00	-42.61	≤ -15	PASS
	High	Hop_2480	2.94	-52.3	≤ -17.06	PASS

Test plot as follows:

