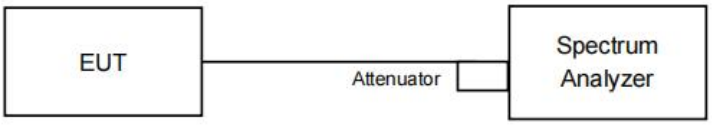
5.7 Dwell Time

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

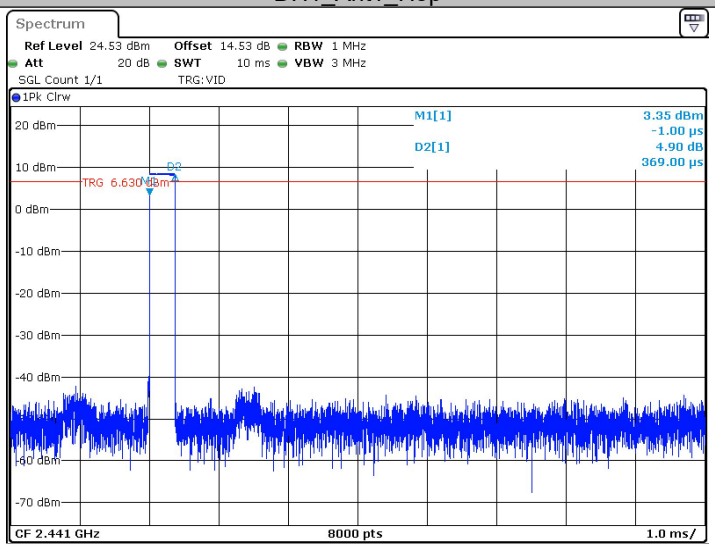
TestMode	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Hop	0.369	330	0.122	≤0.4	PASS
DH3	Hop	1.609	170	0.274	≤0.4	PASS
DH5	Hop	2.850	110	0.314	≤0.4	PASS
2DH1	Hop	0.376	330	0.124	≤0.4	PASS
2DH3	Hop	1.621	160	0.259	≤0.4	PASS
2DH5	Hop	2.862	110	0.315	≤0.4	PASS
3DH1	Hop	0.378	320	0.121	≤0.4	PASS
3DH3	Hop	1.620	160	0.259	≤0.4	PASS
3DH5	Hop	2.862	110	0.315	≤0.4	PASS

Remark:

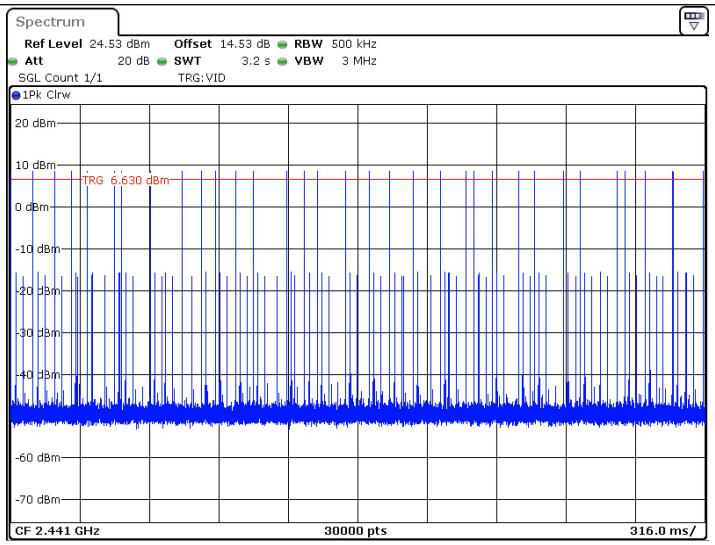
The test period: T= 0.4 Second/Channel x 79 Channel = 31.6 s

Test plot as follows:

DH1_Ant1_Hop

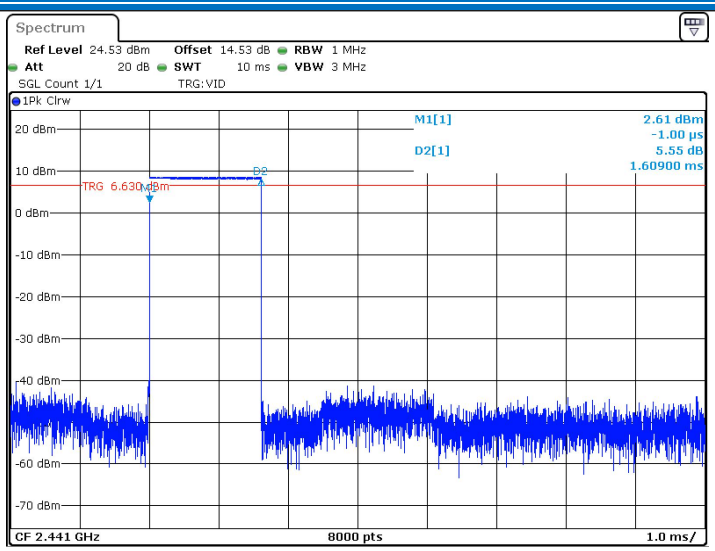


Date: 18.FEB.2025 11:43:34

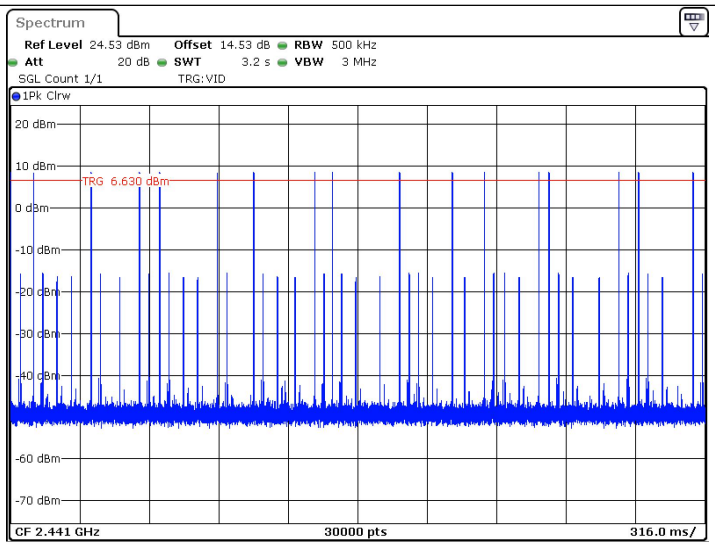


Date: 18.FEB.2025 11:43:40

DH3_Ant1_Hop

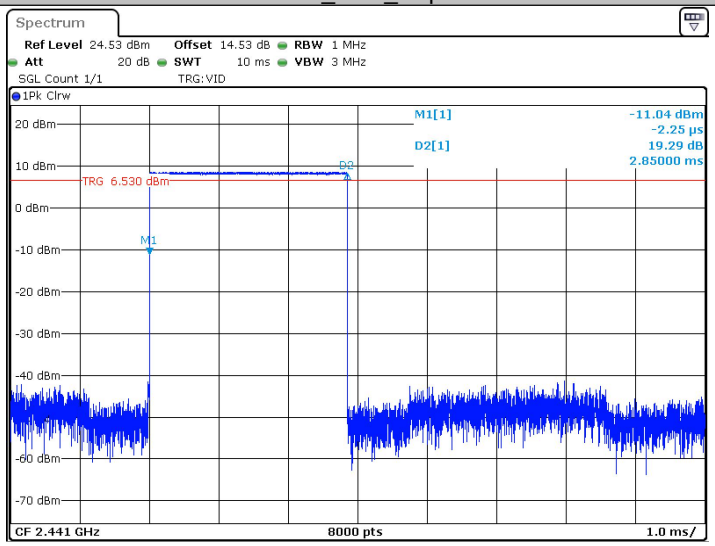


Date: 18.FEB.2025 11:44:11

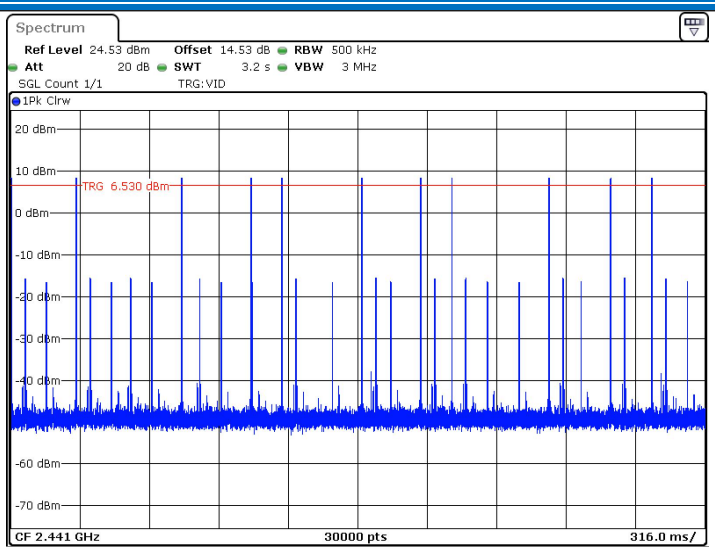


Date: 18.FEB.2025 11:44:17

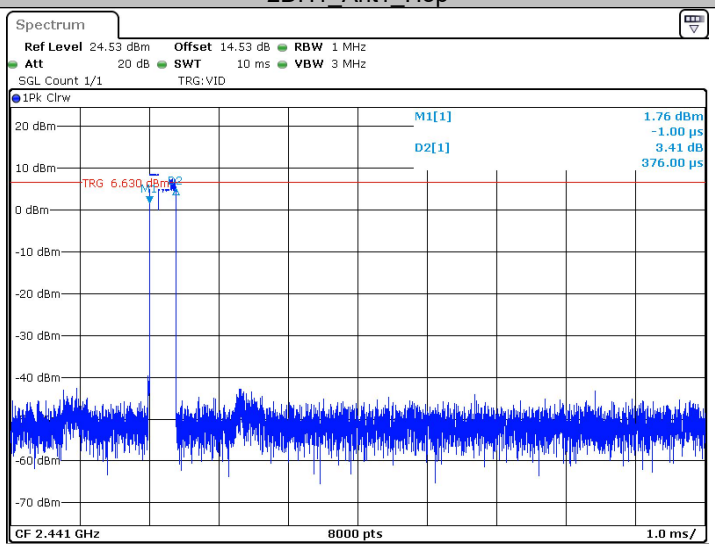
DH5_Ant1_Hop

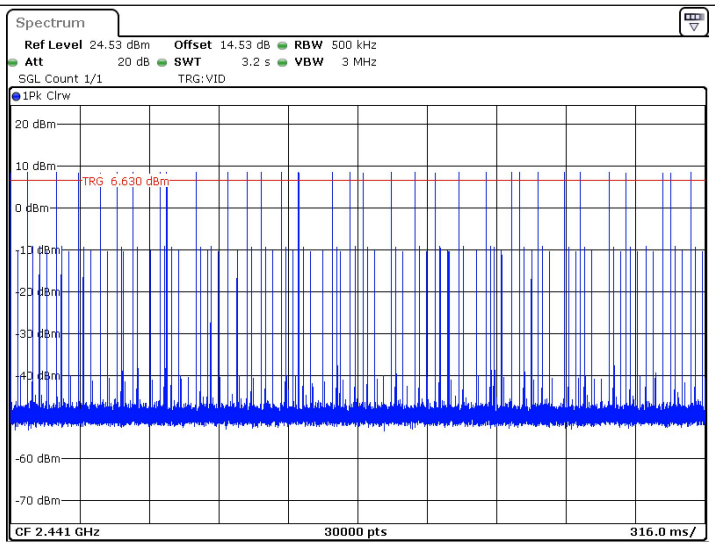


Date: 18.FEB.2025 11:42:24

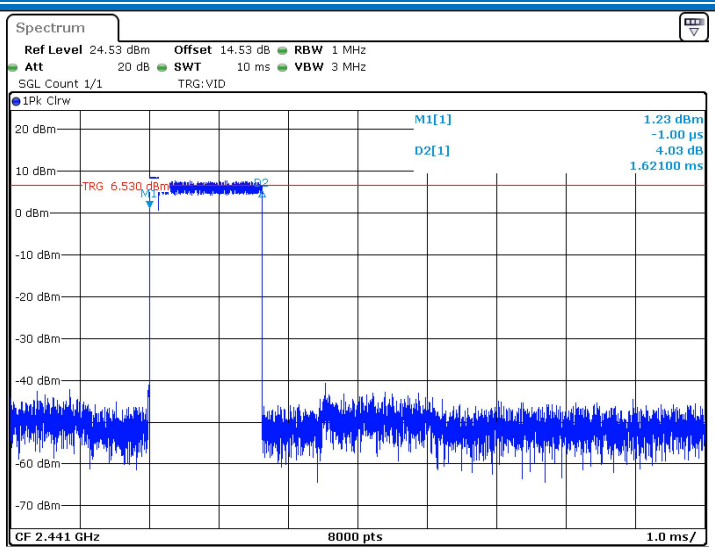


2DH1_Ant1_Hop

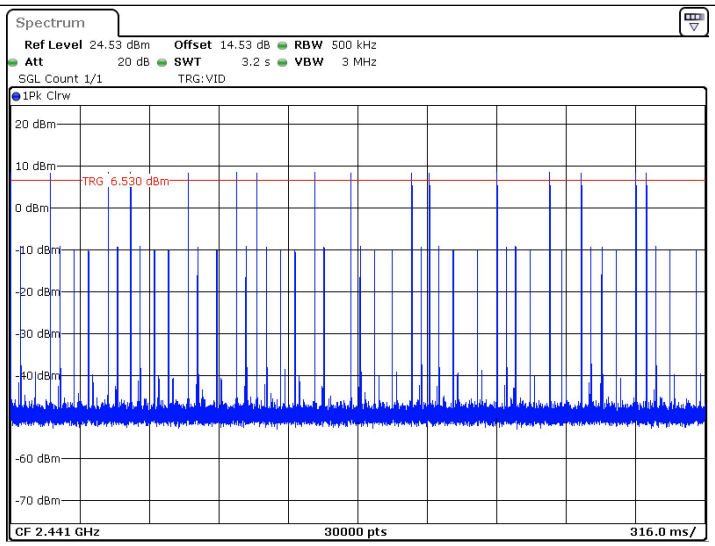




2DH3_Ant1_Hop

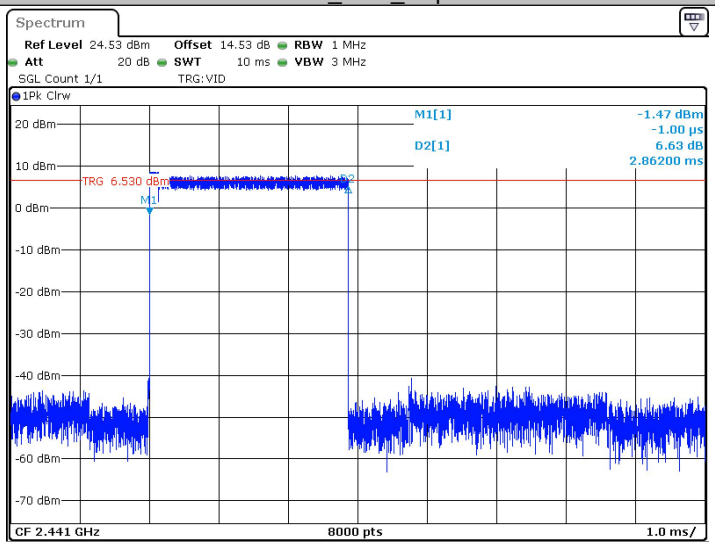


Date: 18.FEB.2025 12:00:11

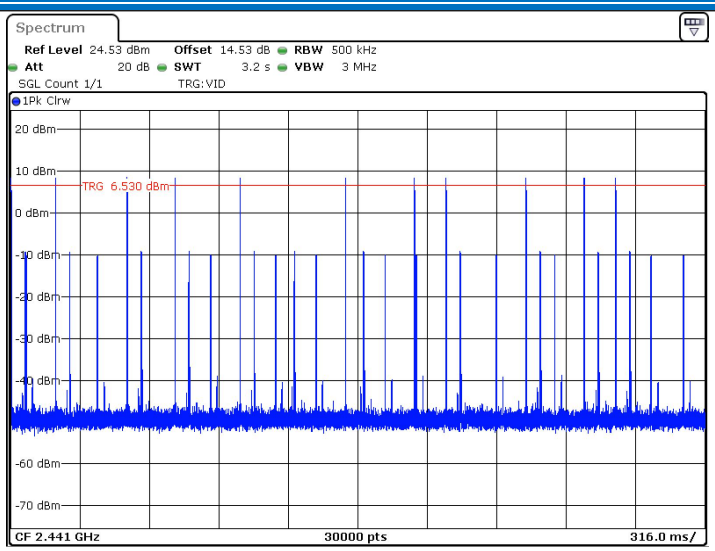


Date: 18.FEB.2025 12:00:17

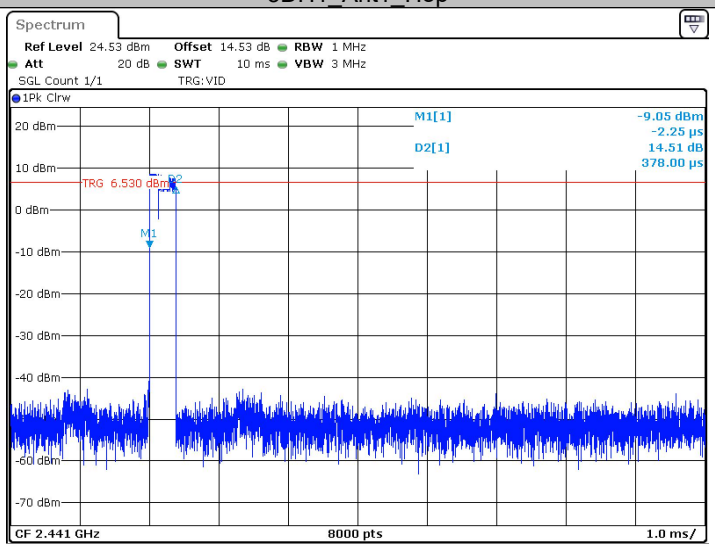
2DH5_Ant1_Hop

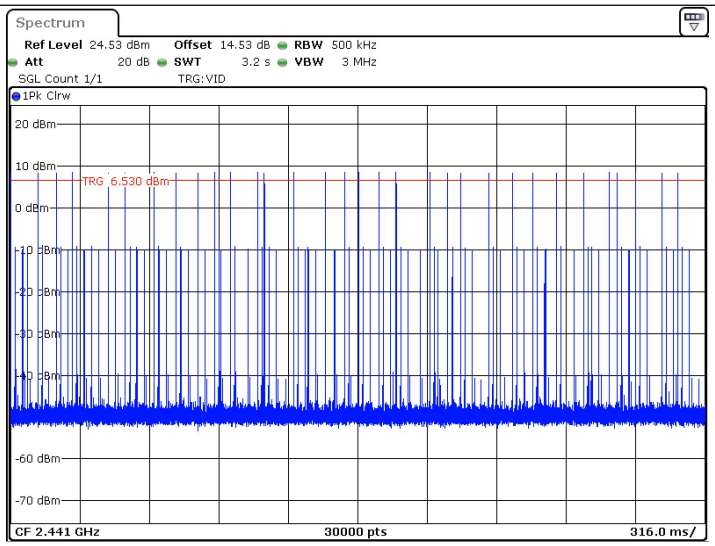


Date: 18.FEB.2025 11:46:53

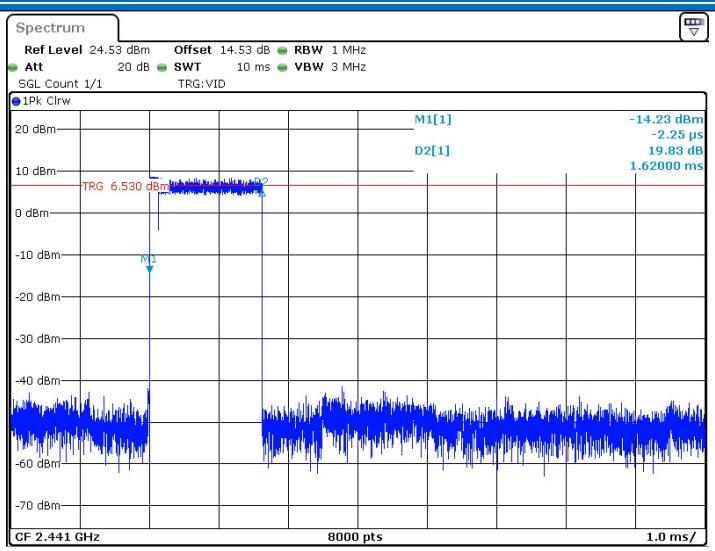


3DH1_Ant1_Hop

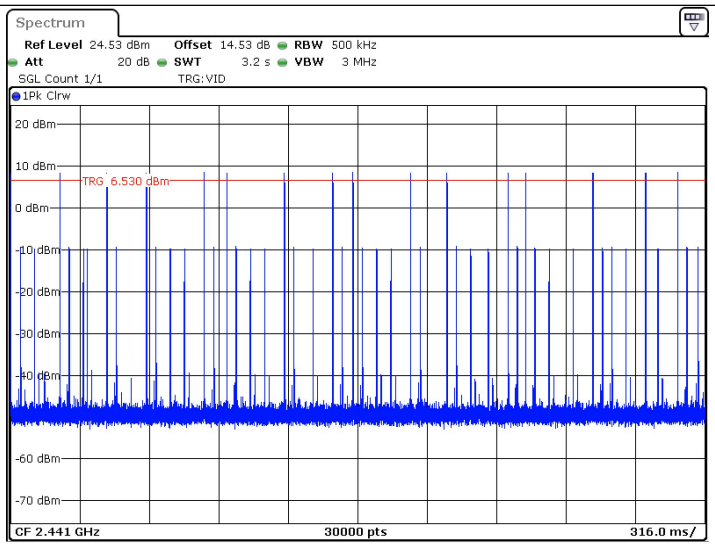




3DH3_Ant1_Hop

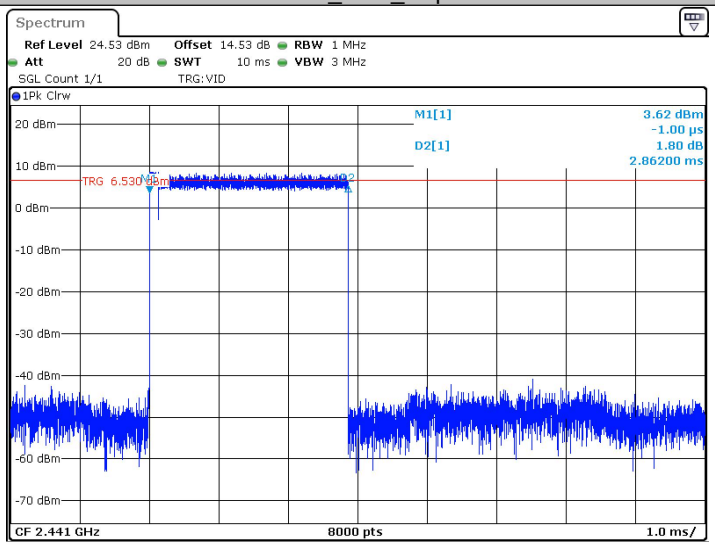


Date: 18.FEB.2025 13:49:52

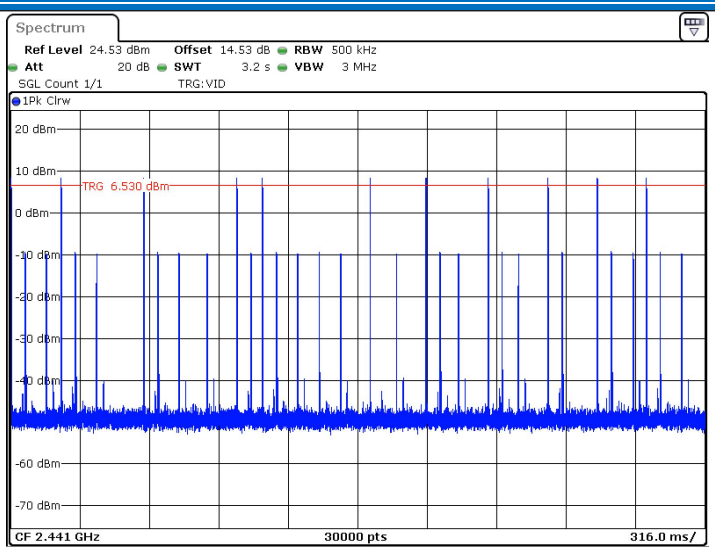


Date: 18.FEB.2025 13:49:57

3DH5_Ant1_Hop

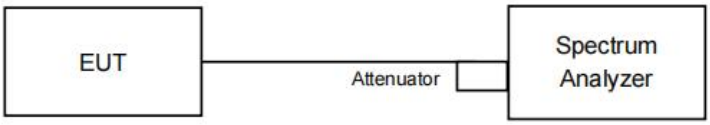


Date: 18.FEB.2025 13:48:24



Date: 18.FEB.2025 13:48:30

5.8 Band-edge for RF Conducted Emissions

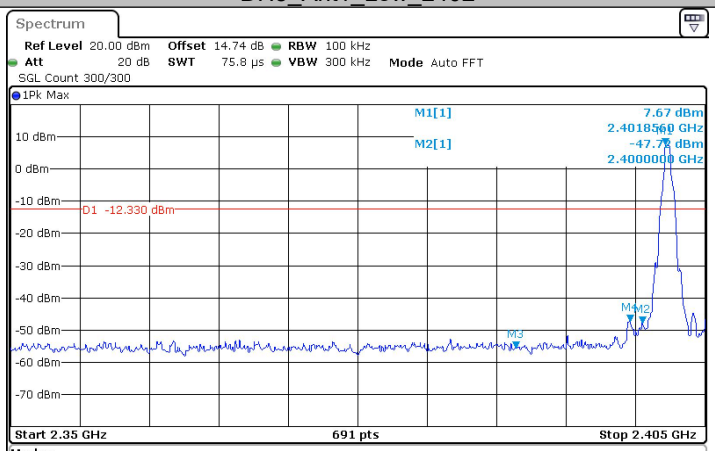
Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10:2013
Test Setup:	 *Remark: Offset=cable loss+ attenuation factor.*
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is 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	7.67	-47.26	≤-12.33	PASS
	High	2480	8.68	-50.81	≤-11.32	PASS
	Low	Hop_2402	6.64	-50.83	≤-13.36	PASS
	High	Hop_2480	7.68	-51.16	≤-12.32	PASS
2DH5	Low	2402	7.32	-48.41	≤-12.68	PASS
	High	2480	7.71	-51.39	≤-12.29	PASS
	Low	Hop_2402	2.38	-49.69	≤-17.62	PASS
	High	Hop_2480	5.47	-50.59	≤-14.53	PASS
3DH5	Low	2402	8.04	-48.35	≤-11.96	PASS
	High	2480	8.10	-52.03	≤-11.9	PASS
	Low	Hop_2402	0.96	-50.82	≤-19.04	PASS
	High	Hop_2480	7.29	-51.88	≤-12.71	PASS

Test plot as follows:

DH5_Ant1_Low_2402



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.401856 GHz	7.67 dBm		
M2		1	2.4 GHz	-47.72 dBm		
M3		1	2.39 GHz	-55.68 dBm		
M4		1	2.3990217 GHz	-47.26 dBm		

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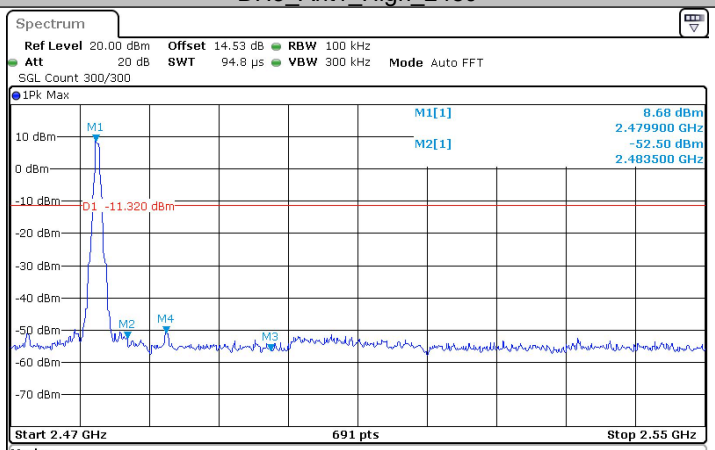
DH5_Ant1_High_2480



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4799 GHz	8.68 dBm		
M2		1	2.4835 GHz	-52.50 dBm		
M3		1	2.5 GHz	-56.53 dBm		
M4		1	2.487971 GHz	-50.81 dBm		

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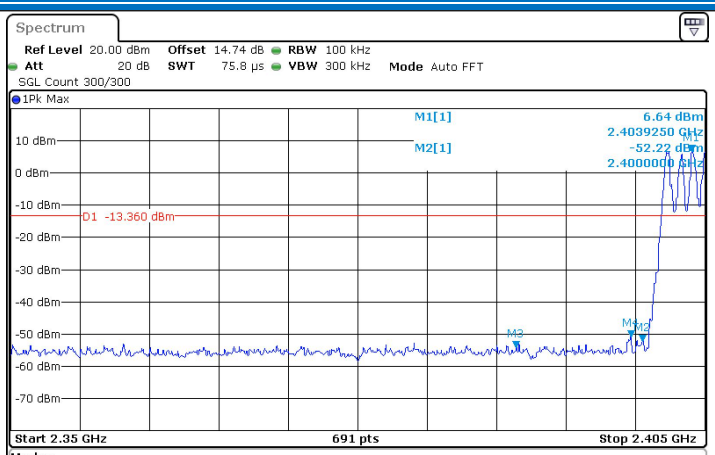
DH5_Ant1_Low_Hop_2402



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.403925 GHz	6.64 dBm		
M2		1	2.4 GHz	-52.22 dBm		
M3		1	2.39 GHz	-54.14 dBm		
M4		1	2.3991014 GHz	-50.83 dBm		

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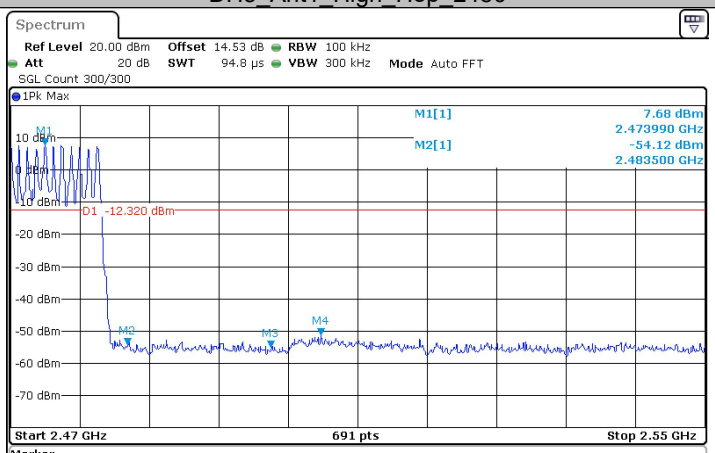
DH5_Ant1_High_Hop_2480



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47399 GHz	7.68 dBm		
M2		1	2.4835 GHz	-54.12 dBm		
M3		1	2.5 GHz	-54.99 dBm		
M4		1	2.50571 GHz	-51.16 dBm		

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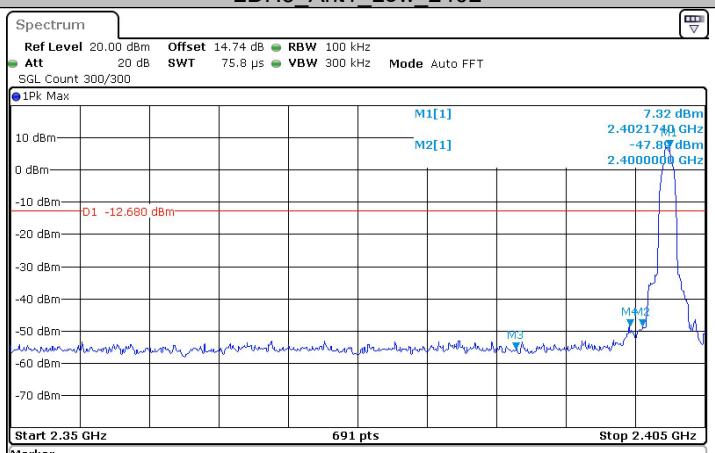
2DH5_Ant1_Low_2402



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.402174 GHz	7.32 dBm		
M2		1	2.4 GHz	-47.89 dBm		
M3		1	2.39 GHz	-55.66 dBm		
M4		1	2.3990217 GHz	-48.41 dBm		

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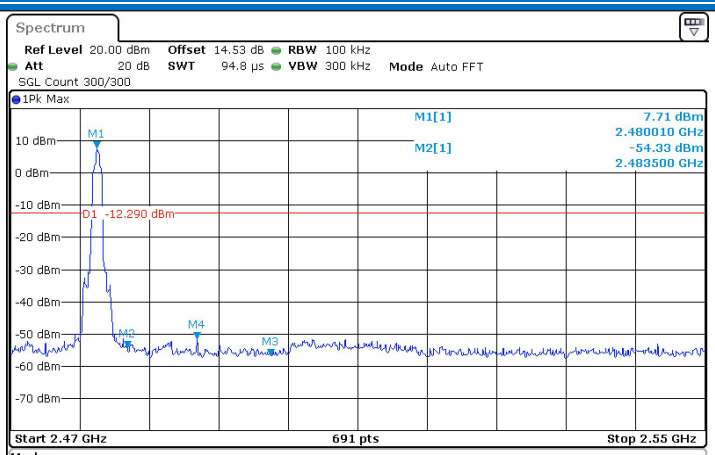
2DH5_Ant1_High_2480



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.48001 GHz	7.71 dBm		
M2		1	2.4835 GHz	-54.33 dBm		
M3		1	2.5 GHz	-56.73 dBm		
M4		1	2.491449 GHz	-51.39 dBm		

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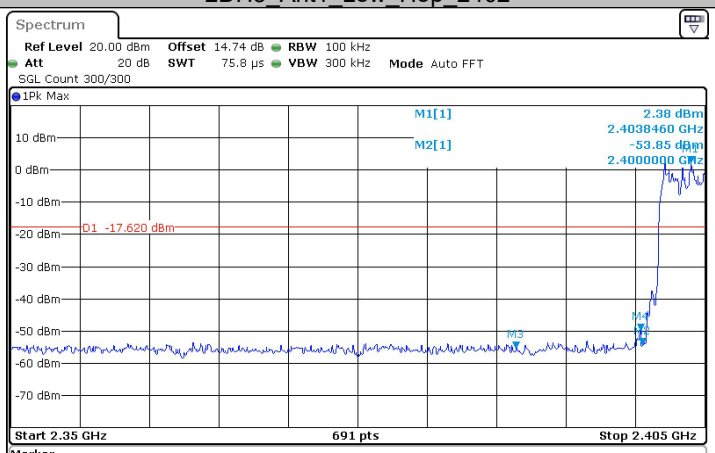
2DH5_Ant1_Low_Hop_2402



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.403846 GHz	2.38 dBm		
M2		1	2.4 GHz	-53.85 dBm		
M3		1	2.39 GHz	-55.20 dBm		
M4		1	2.3998986 GHz	-49.69 dBm		

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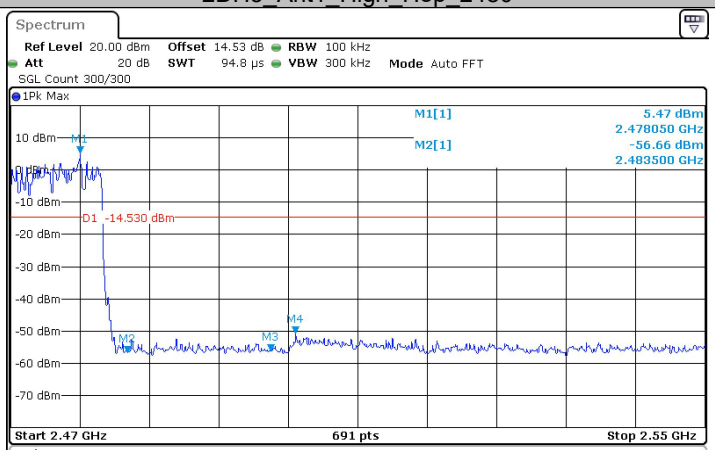
2DH5_Ant1_High_Hop_2480



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47805 GHz	5.47 dBm		
M2		1	2.4835 GHz	-56.66 dBm		
M3		1	2.5 GHz	-56.04 dBm		
M4		1	2.502812 GHz	-50.59 dBm		

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3DH5_Ant1_Low_2402