

ANNEX TEST DATA BLE

FCC ID: 2BNV2-D27

Applicant:	Shenzhen Yilaifeng Technology Co., Ltd
Address:	605 Derun Building, No. 366 Chaofeng Road, Fenghuang Community, Fenghuang Street, Guangming District, Shenzhen, China
Manufacturer:	Shenzhen Yilaifeng Technology Co., Ltd
Address:	605 Derun Building, No. 366 Chaofeng Road, Fenghuang Community, Fenghuang Street, Guangming District, Shenzhen, China
Product Name:	Smart watch
Trade Mark:	N/A
Model Number:	D27, D23
Date of Receipt:	Jul. 20, 2026
Test Date:	Jul. 20, 2026 – Jul. 23, 2026
Date of Report:	Jul. 23, 2026
Prepared By:	Shenzhen DL Testing Technology Co., Ltd.
Address:	101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1 Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, China
Applicable Standards:	FCC PART 15 C 15.247 ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
Test Result:	Pass
Report Number:	DLE-260720024R

1. Bandwidth

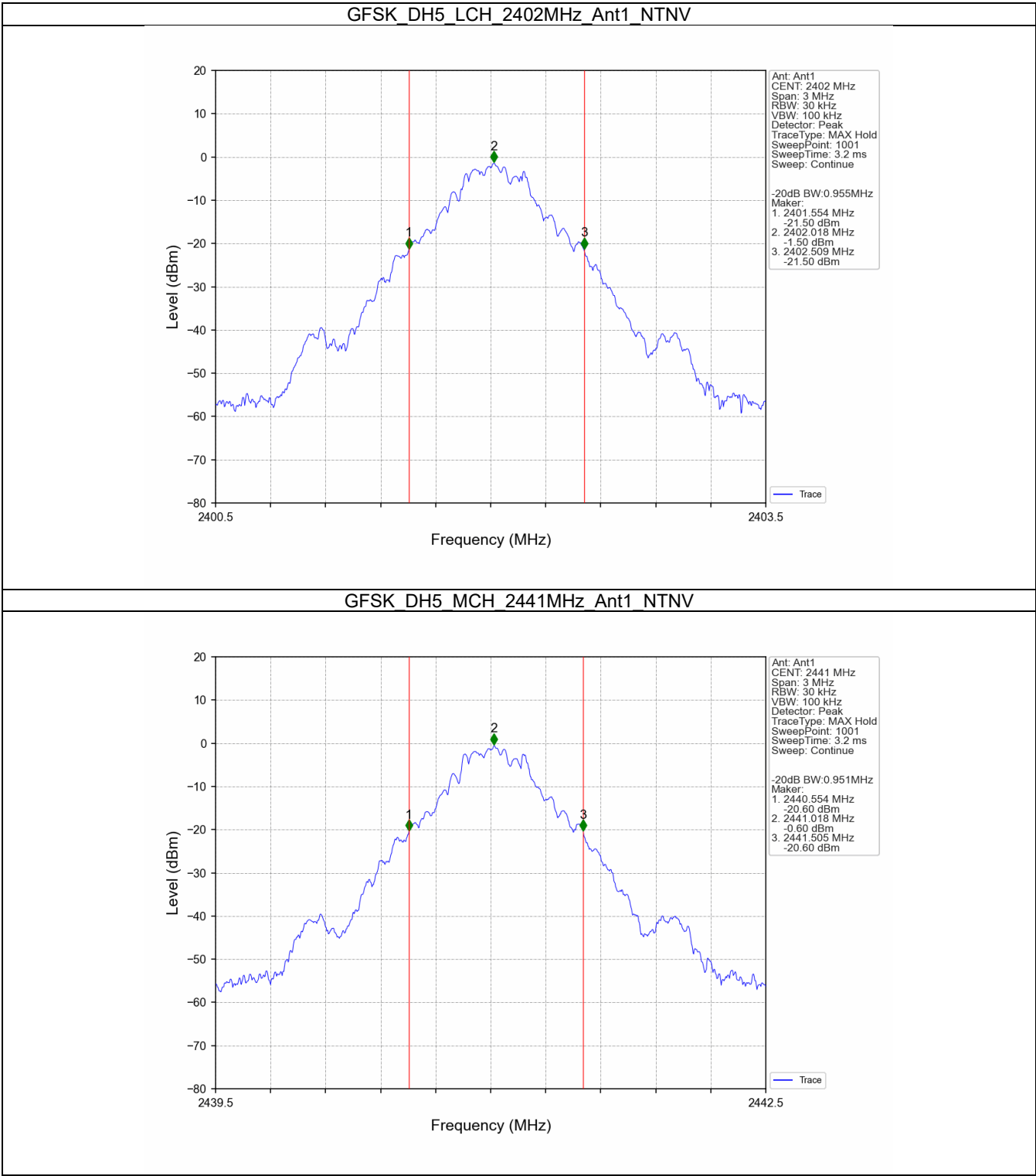
1.1 Test Result

1.1.1 20dB BW

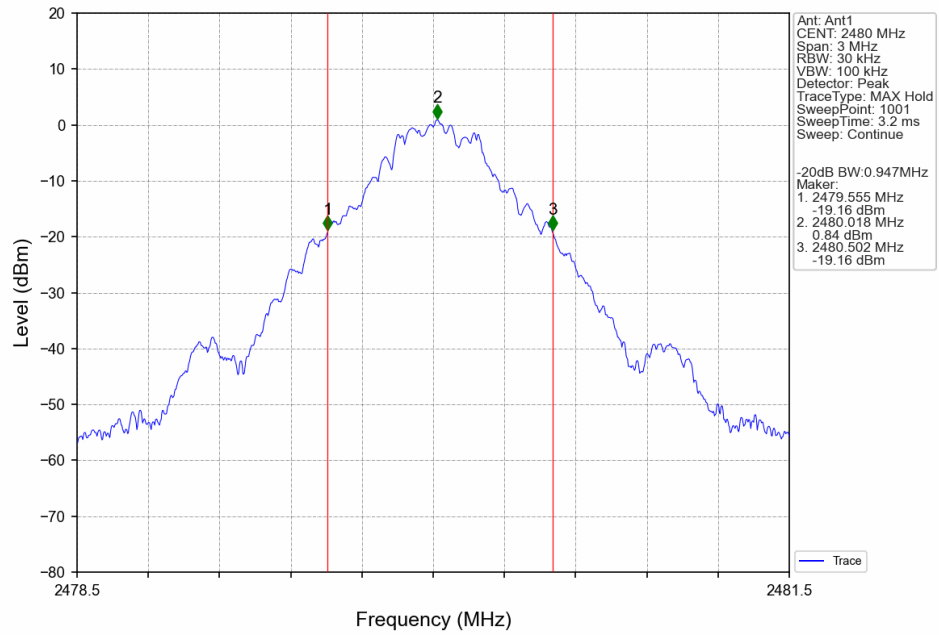
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.955	/	Pass
		2441	DH5	1	0.951	/	Pass
		2480	DH5	1	0.947	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.280	/	Pass
		2441	2DH5	1	1.282	/	Pass
		2480	2DH5	1	1.280	/	Pass

1.2 Test Graph

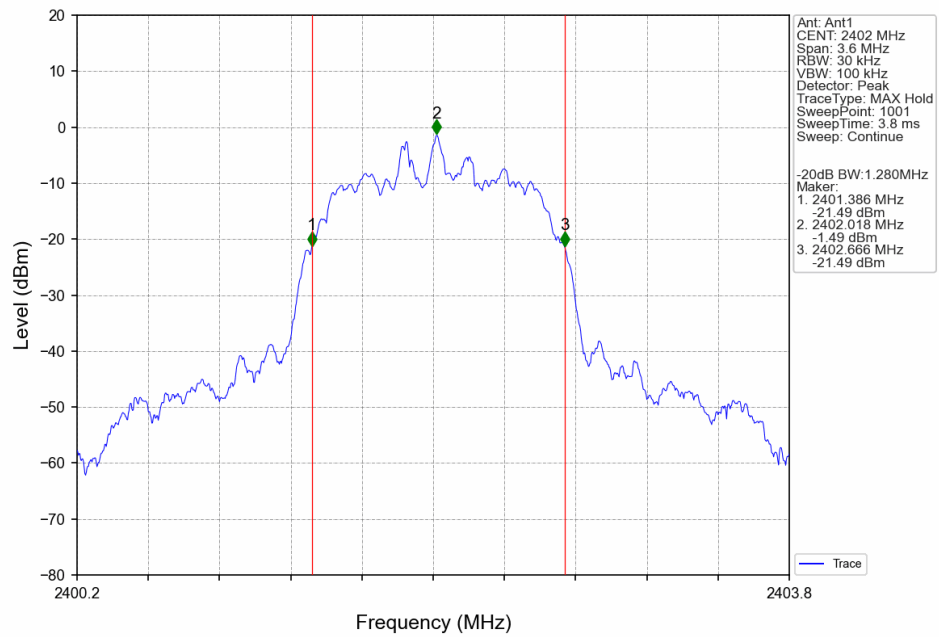
1.2.1 20dB BW



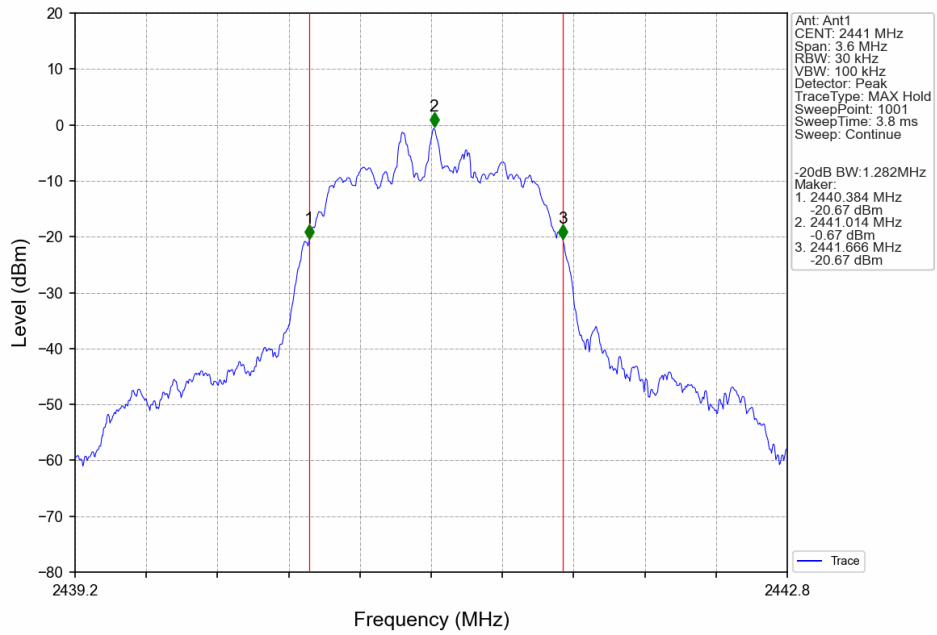
GFSK DH5 HCH 2480MHz Ant1 NTNV



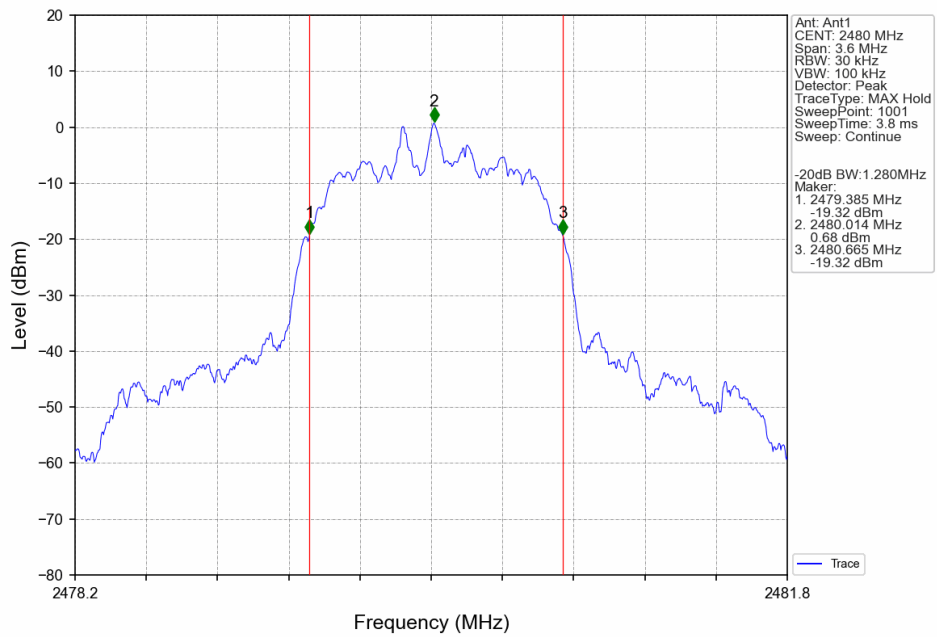
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



Pi/4DQPSK 2DH5 MCH 2441MHz Ant1 NTNV



Pi/4DQPSK 2DH5 HCH 2480MHz Ant1 NTNV



2. Maximum Conducted Output Power

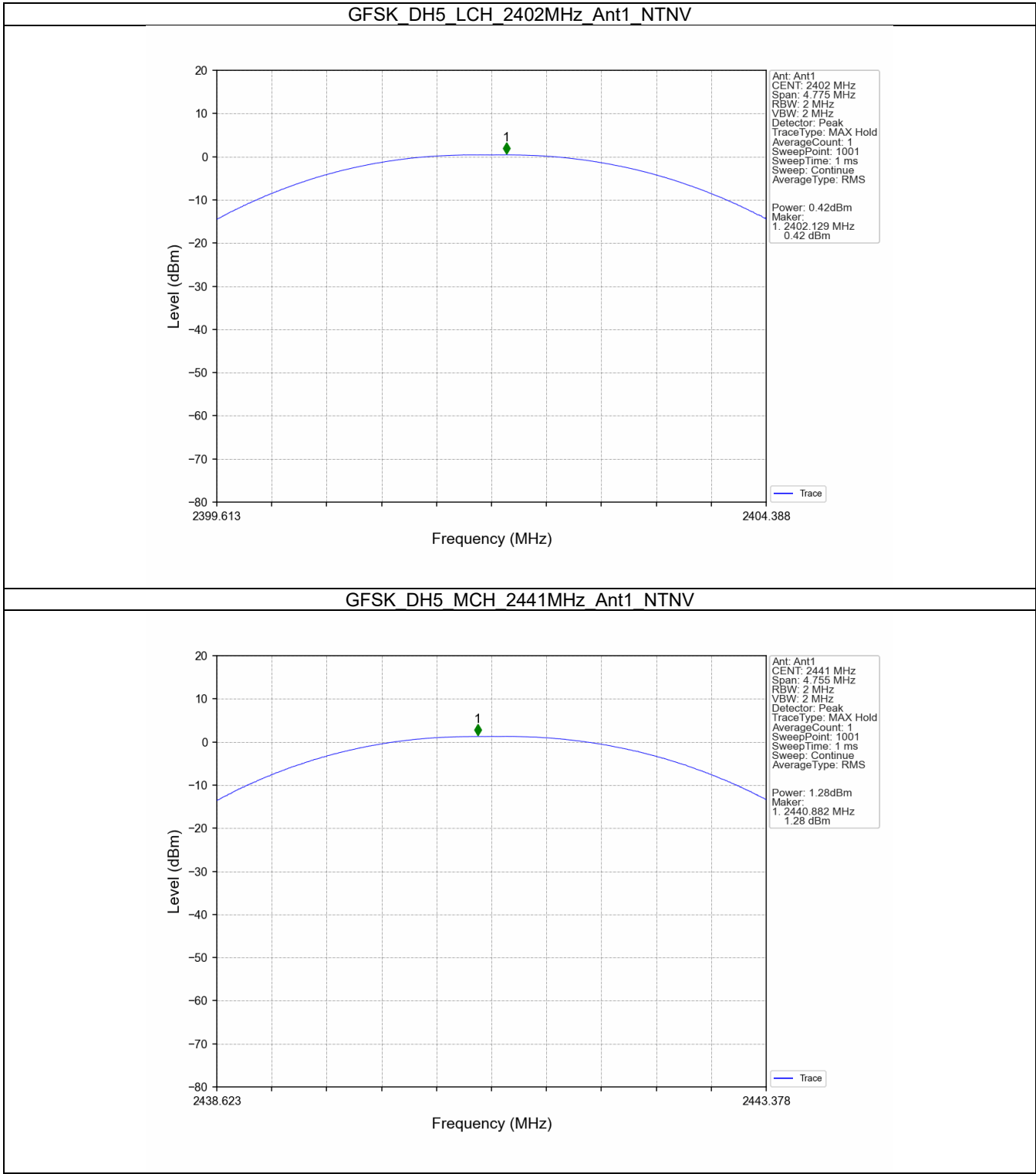
2.1 Test Result

2.1.1 Power

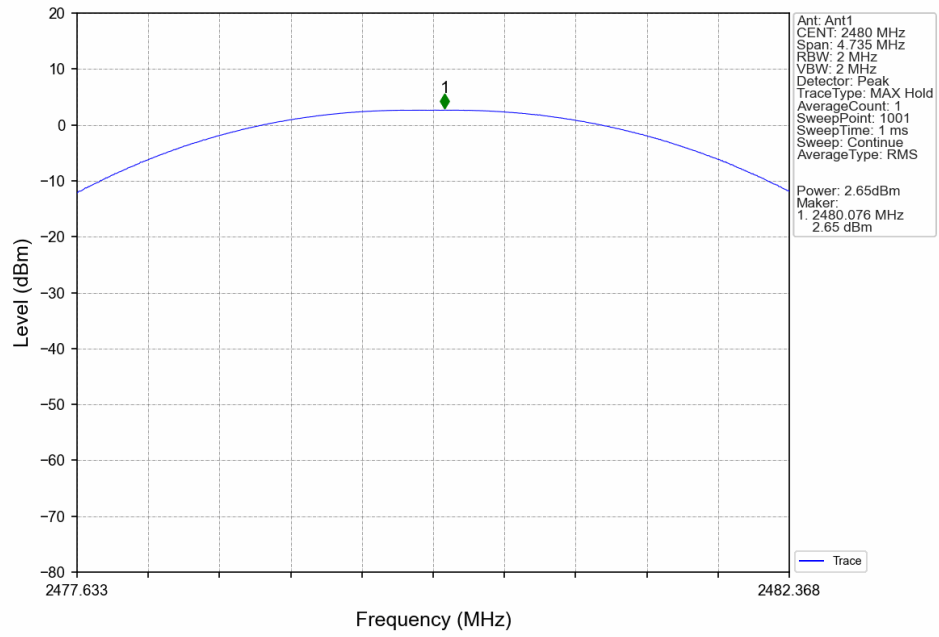
Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	0.42	<=30	Pass
		2441	DH5	1.28	<=30	Pass
		2480	DH5	2.65	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	1.20	<=20.97	Pass
		2441	2DH5	2.01	<=20.97	Pass
		2480	2DH5	3.40	<=20.97	Pass

2.2 Test Graph

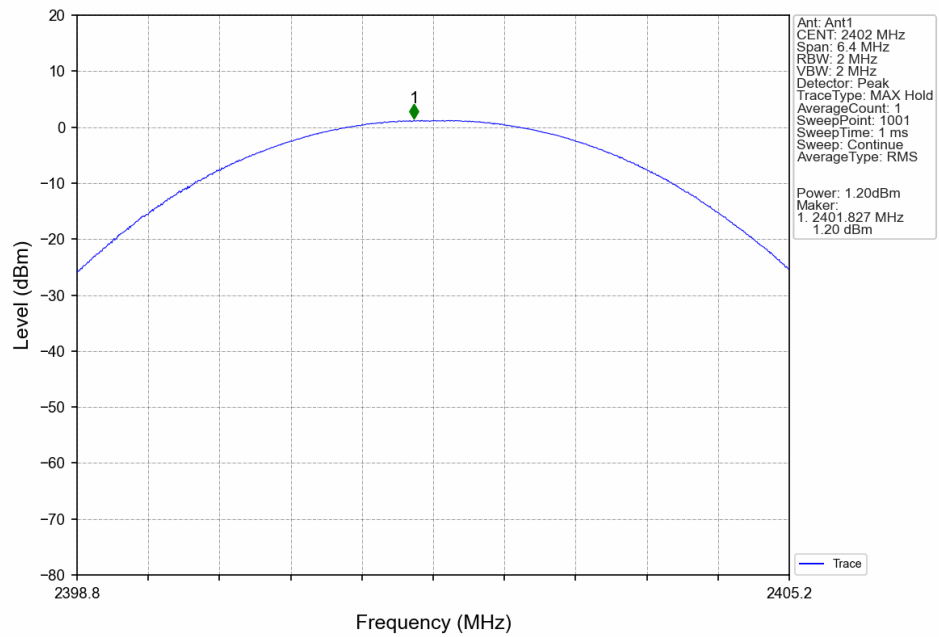
2.2.1 Power



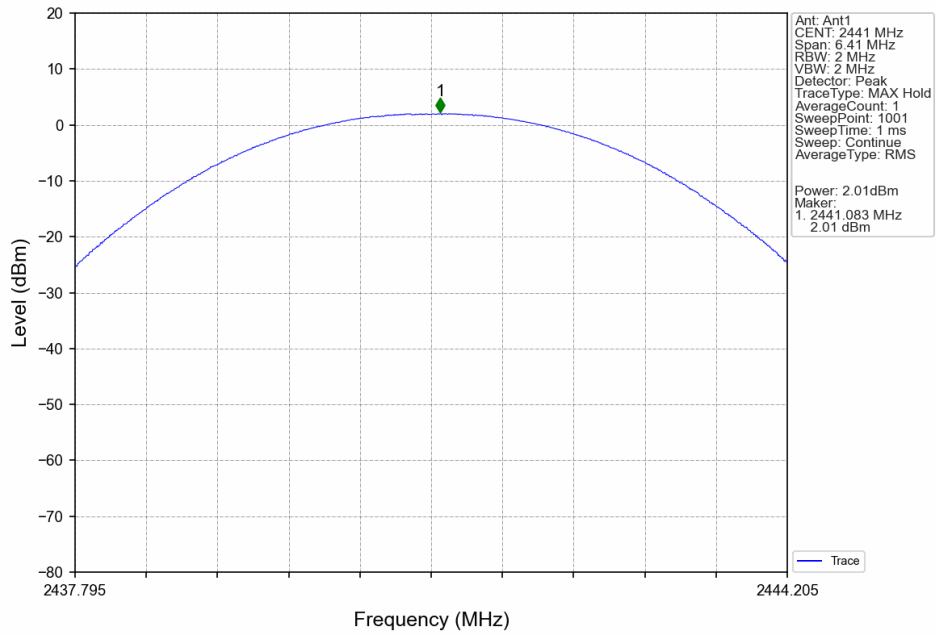
GFSK DH5 HCH 2480MHz Ant1 NTV



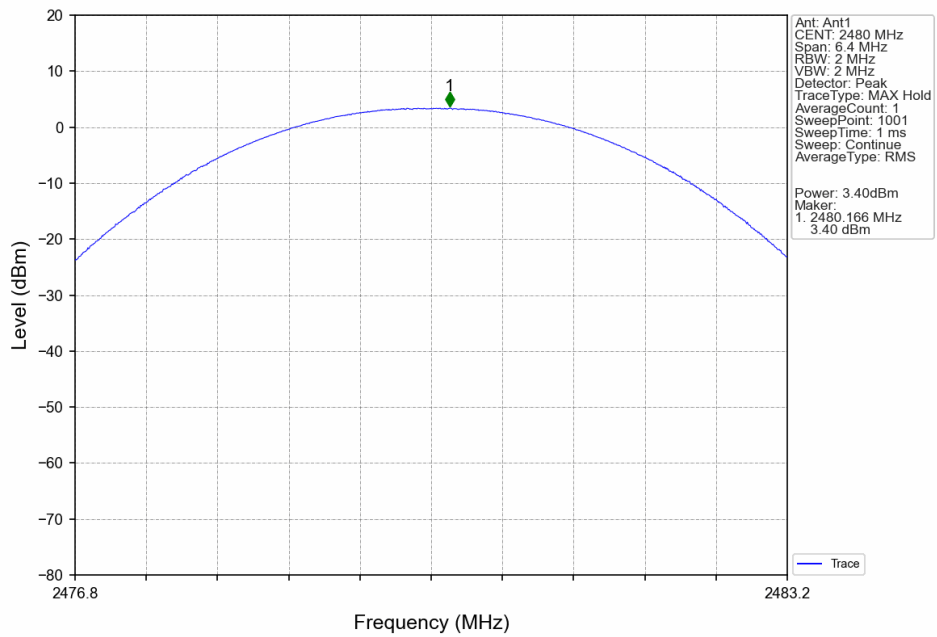
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



3. Carrier Frequency Separation

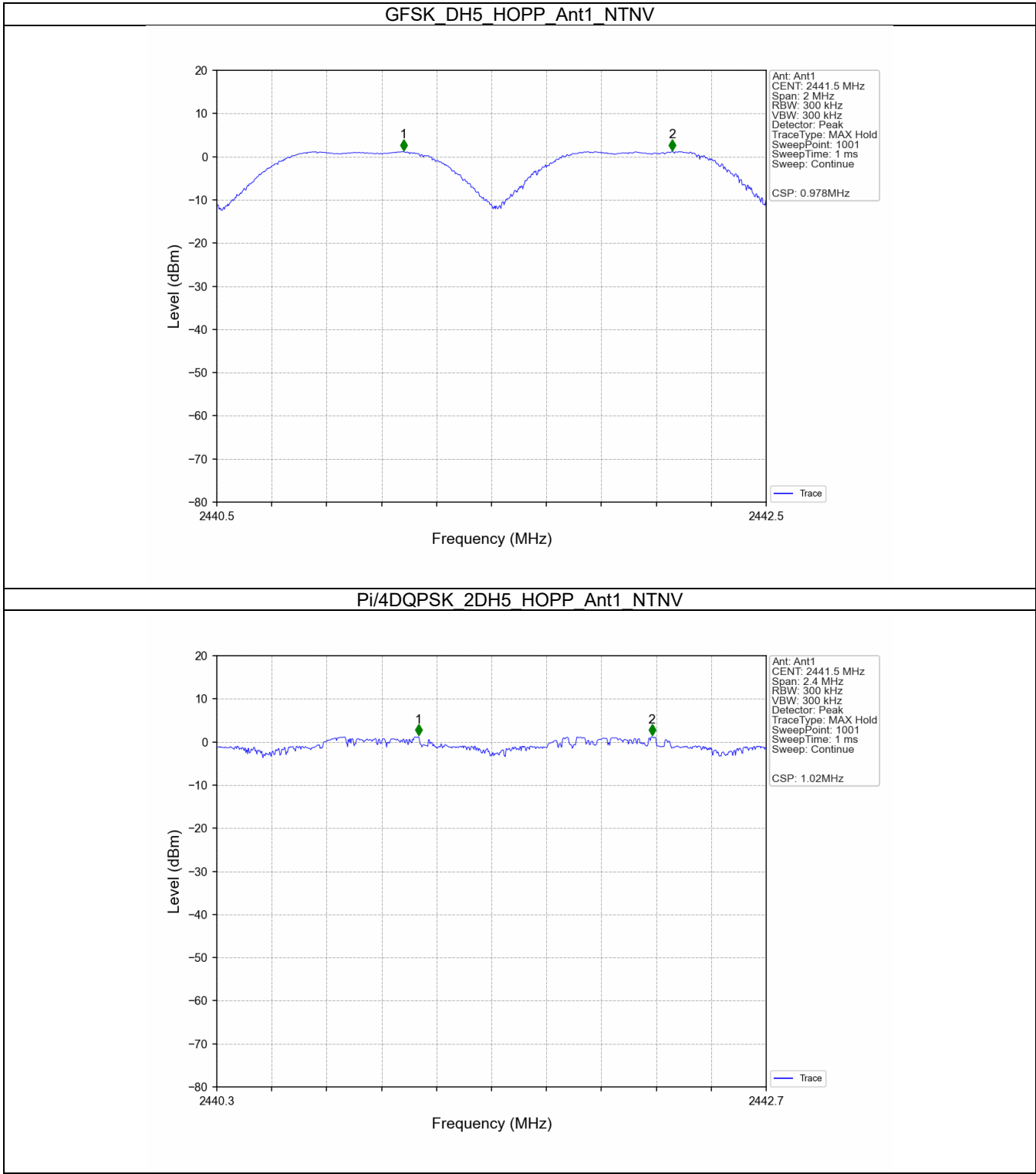
3.1 Test Result

3.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	0.978	0.955	≥ 0.637	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.020	1.282	≥ 0.855	Pass

3.2 Test Graph

3.2.1 Ant1



4. Number of Hopping Frequencies

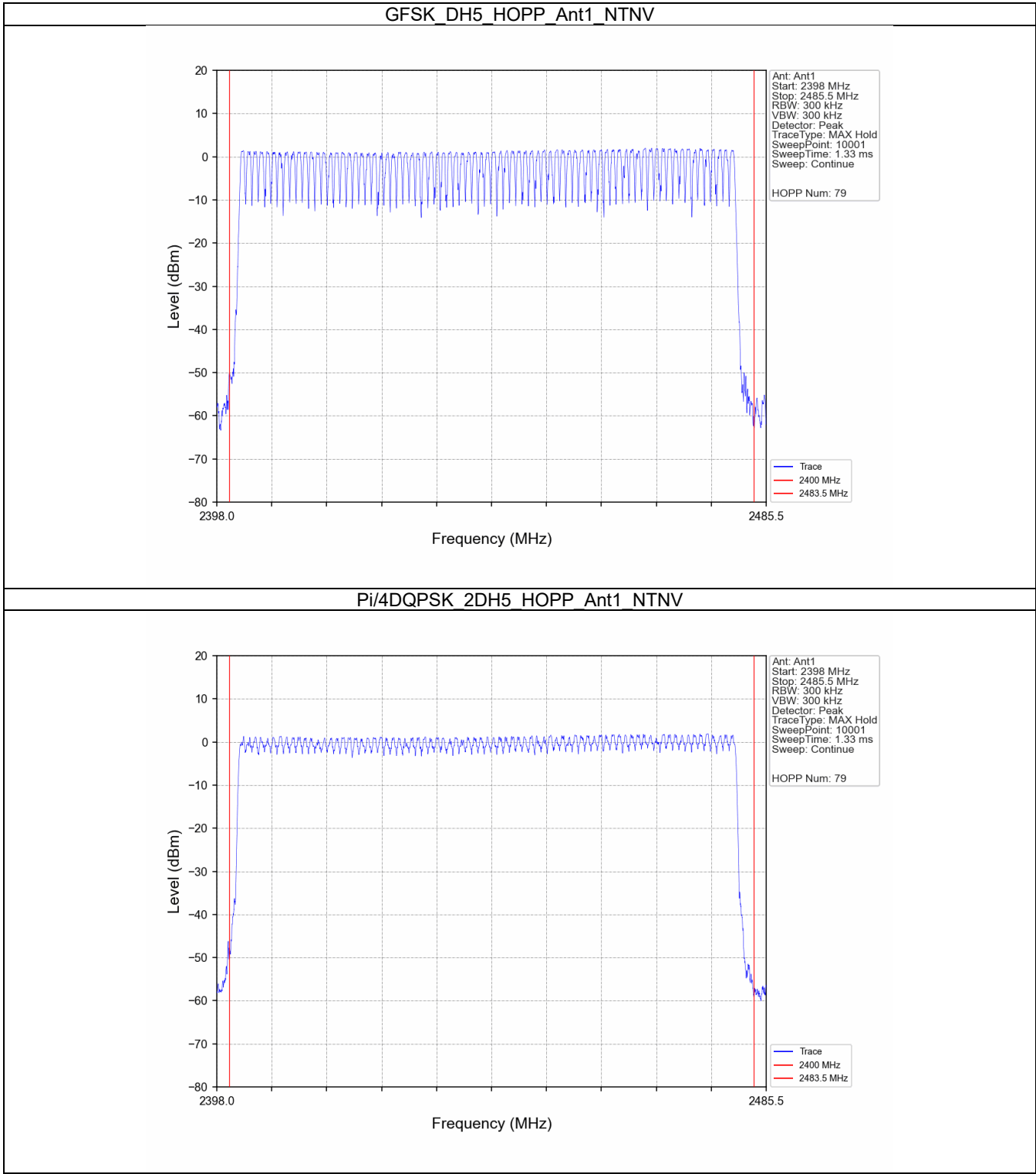
4.1 Test Result

4.1.1 HoppNum

Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT1	Limit	
GFSK	SISO	HOPP	DH5	79	>=15	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	>=15	Pass

4.2 Test Graph

4.2.1 HoppNum



5. Time of Occupancy (Dwell Time)

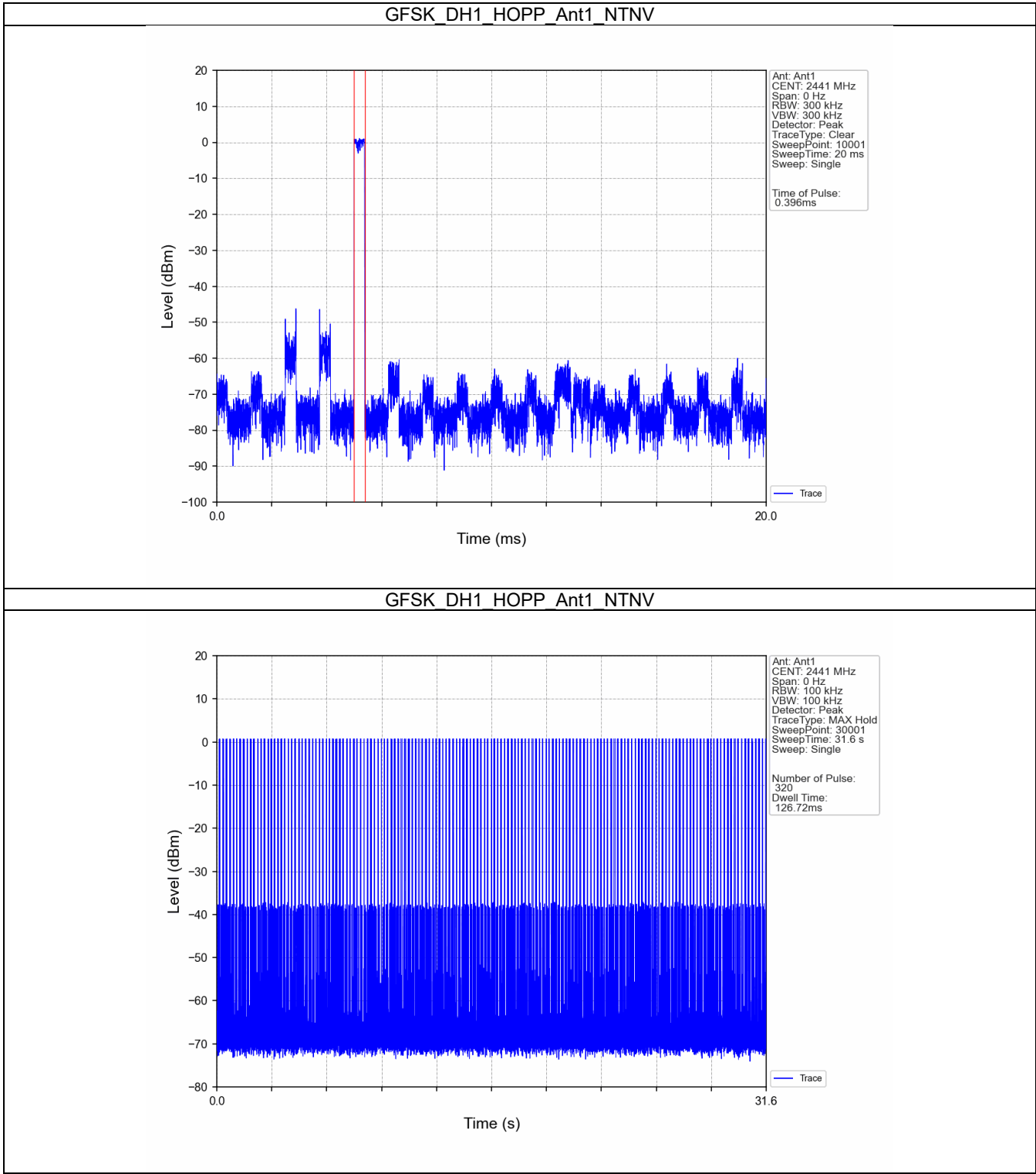
5.1 Test Result

5.1.1 Ant1

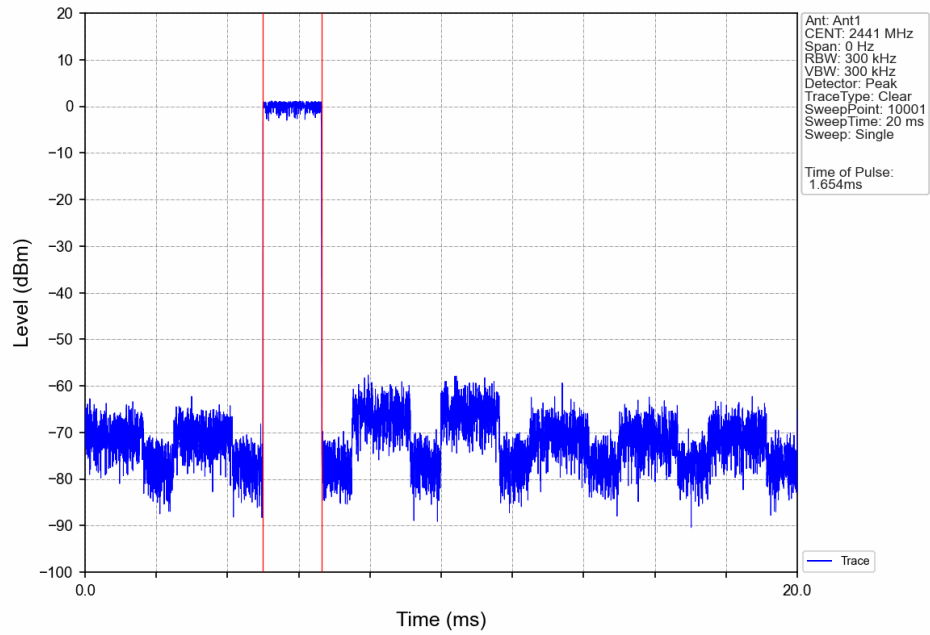
Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.396	31.600	320	126.720	<=400	Pass
			DH3	1.654	31.600	159	262.986	<=400	Pass
			DH5	2.900	31.600	102	295.800	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.400	31.600	320	128.000	<=400	Pass
			2DH3	1.656	31.600	169	279.864	<=400	Pass
			2DH5	2.896	31.600	125	362.000	<=400	Pass

5.2 Test Graph

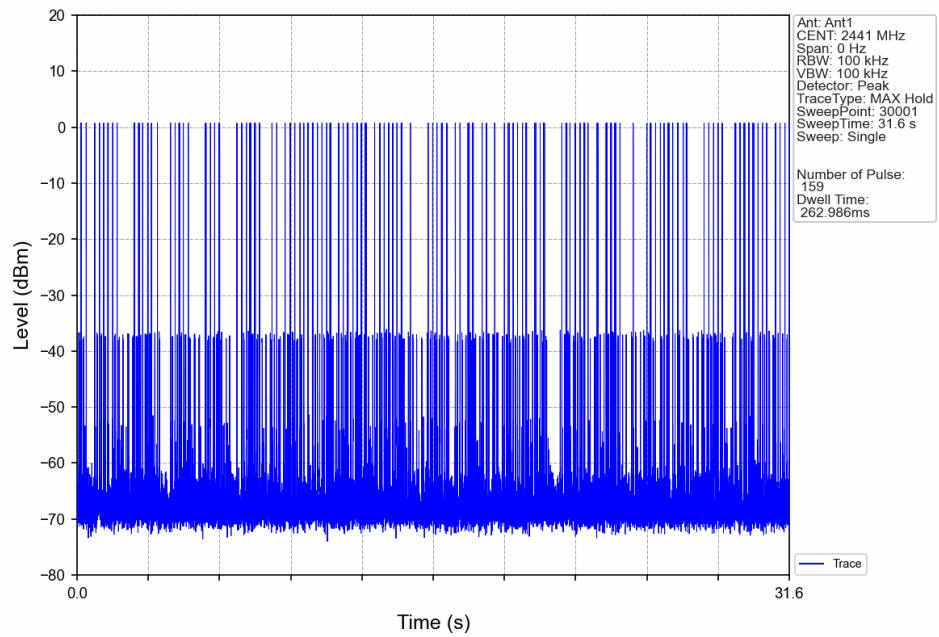
5.2.1 Ant1



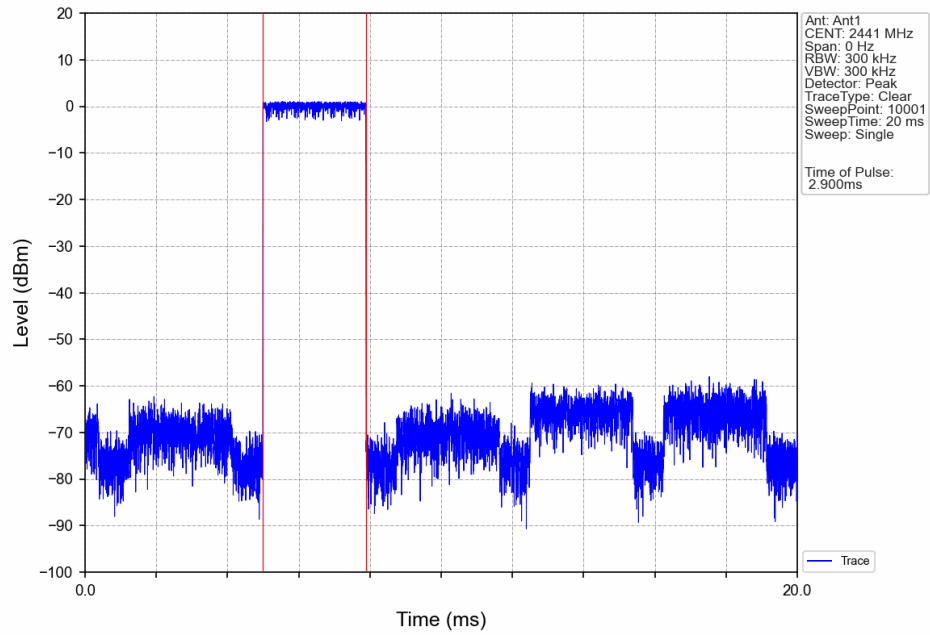
GFSK DH3 HOPP Ant1 NTN



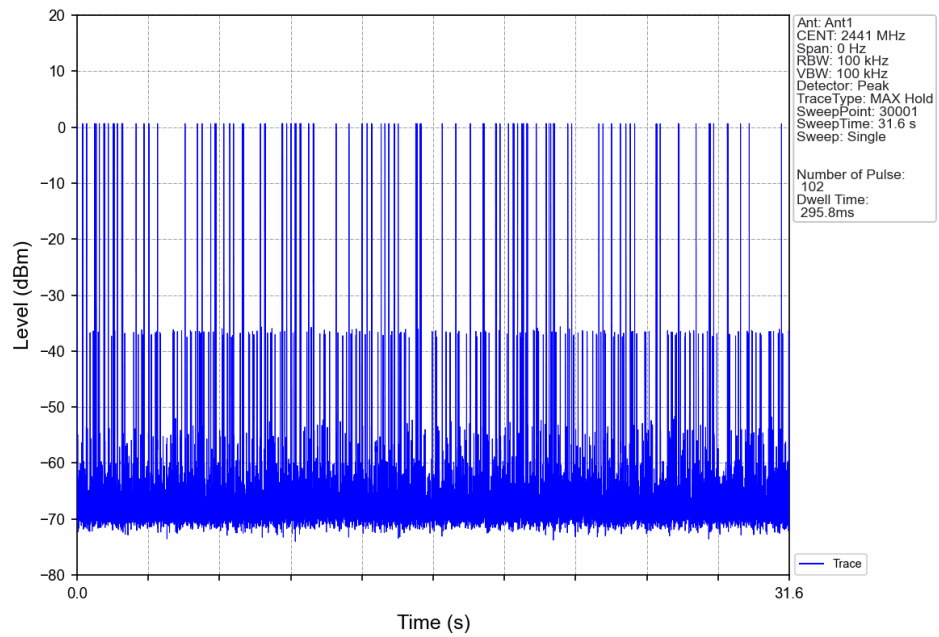
GFSK_DH3_HOPP_Ant1_NTNV



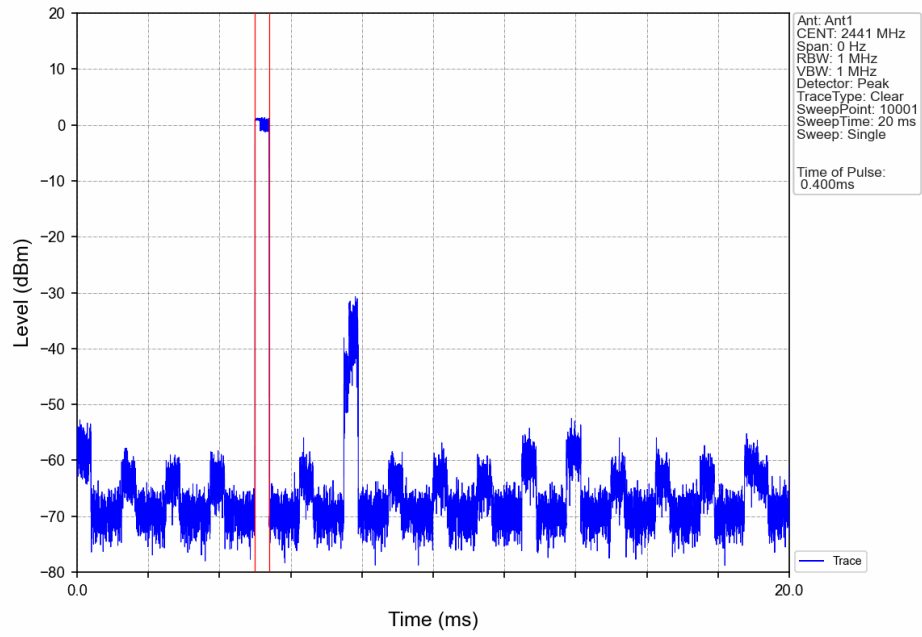
GFSK DH5 HOPP Ant1 NTN



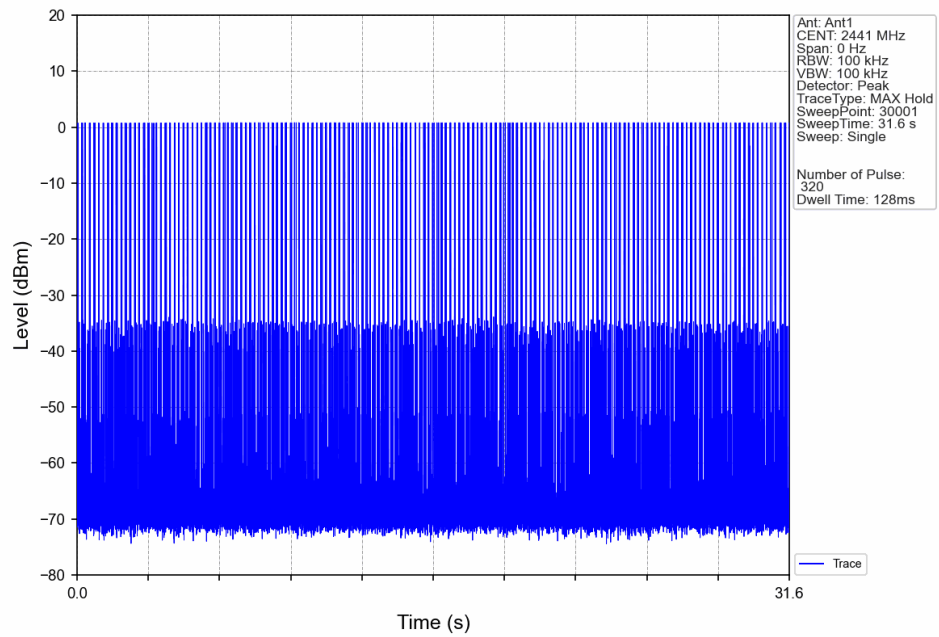
GFSK_DH5_HOPP_Ant1_NTNV



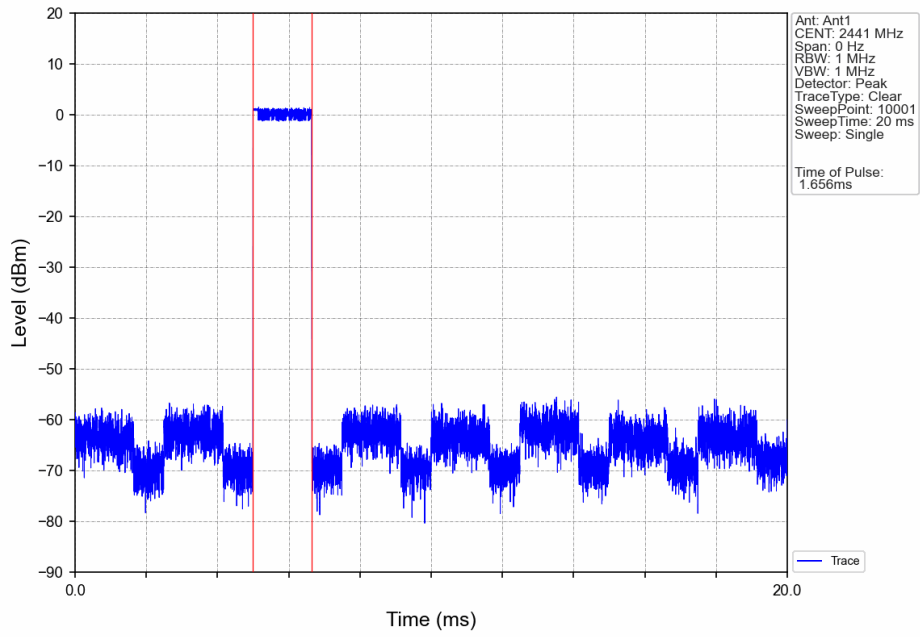
Pi/4DQPSK_2DH1_HOPP_Ant1_NTNV



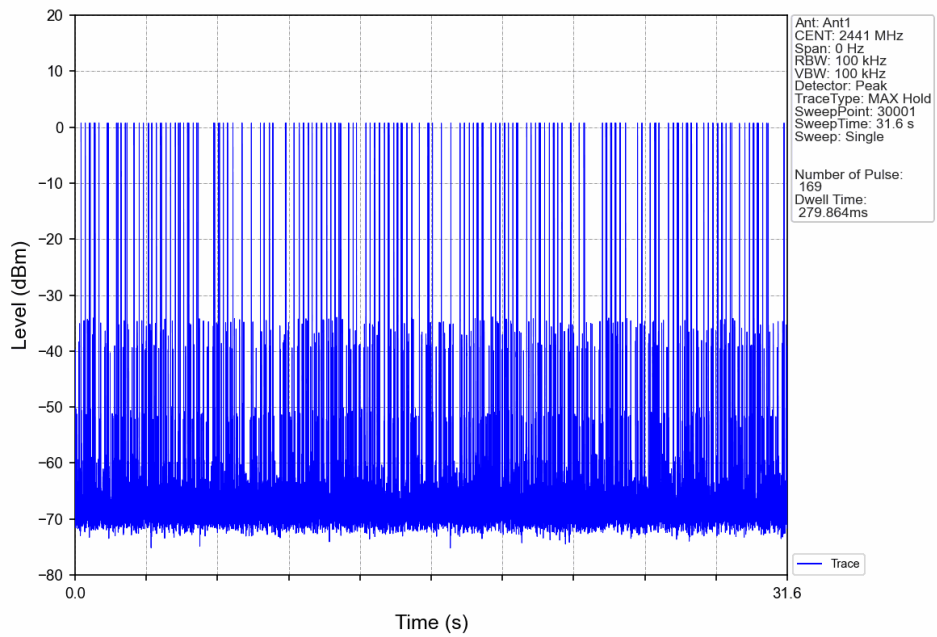
Pi/4DQPSK_2DH1_HOPP_Ant1_NTNV



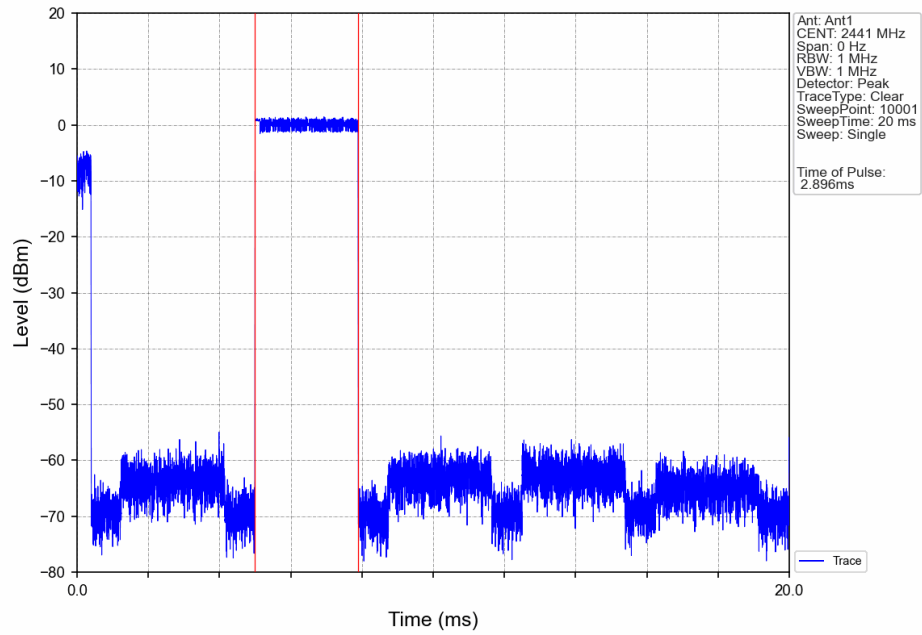
Pi/4DQPSK_2DH3_HOPP_Ant1_NTNV



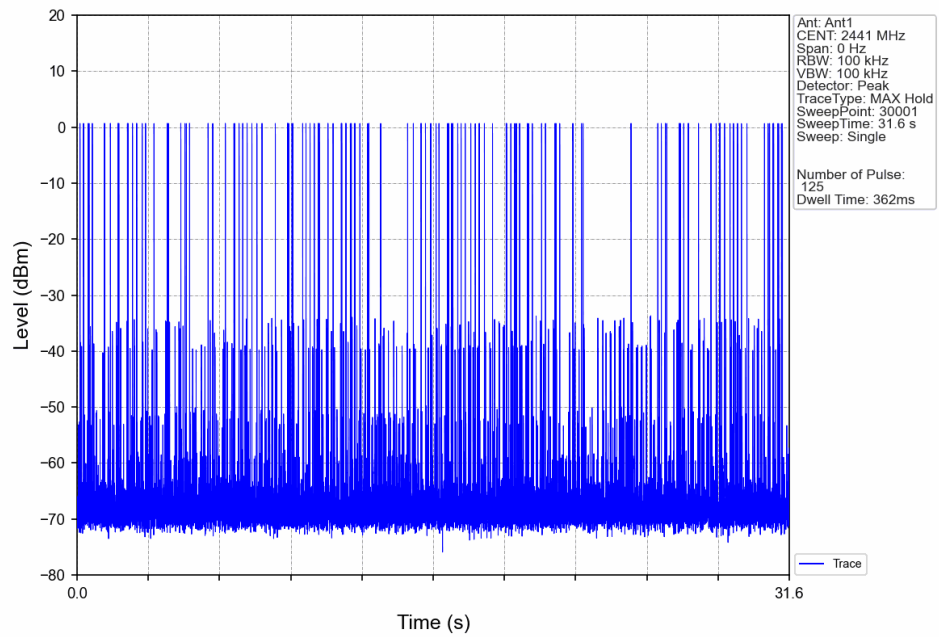
Pi/4DQPSK_2DH3_HOPP_Ant1_NTNV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



6. Unwanted Emissions In Non-restricted Frequency Bands

6.1 Test Result

6.1.1 Ref

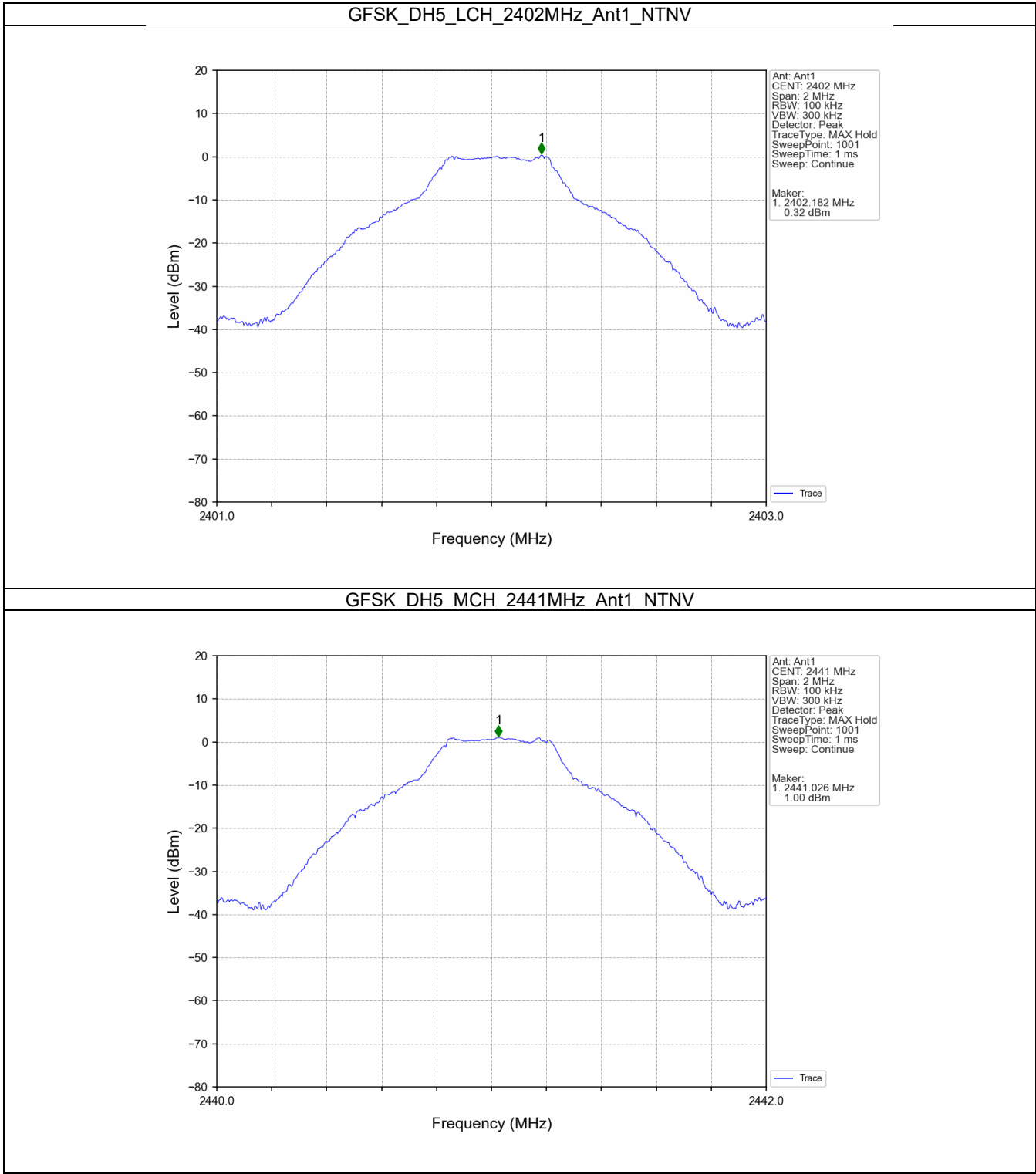
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	0.32
		2441	DH5	1	1.00
		2480	DH5	1	2.33
		HOPP	DH5	1	2.47
					2.47
Pi/4DQPSK	SISO	2402	2DH5	1	0.25
		2441	2DH5	1	1.08
		2480	2DH5	1	2.44
		HOPP	2DH5	1	2.49
					2.49

6.1.2 CSE

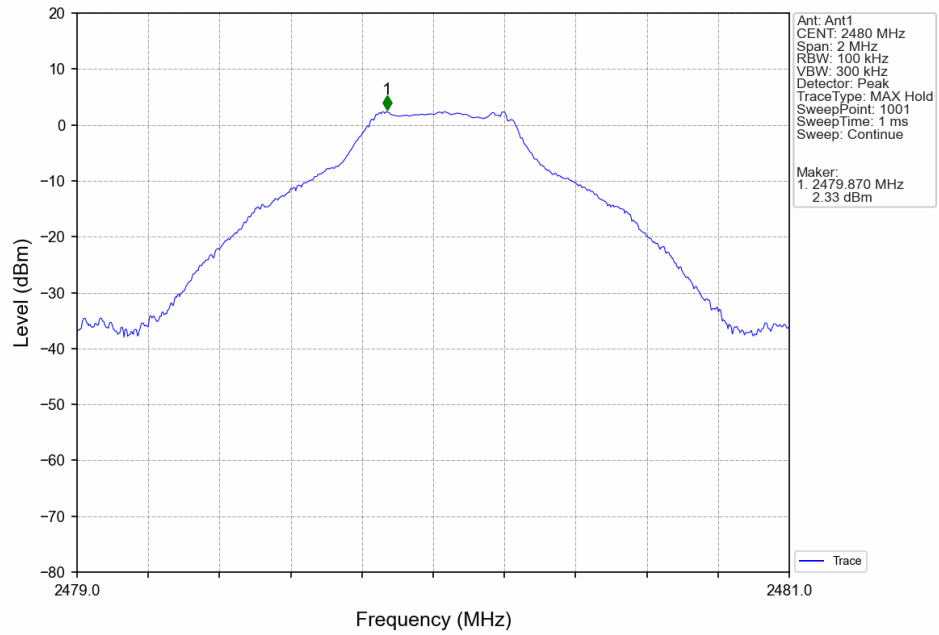
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	0.32	-19.68	Pass
		2441	DH5	1	1.00	-19.00	Pass
		2480	DH5	1	2.33	-17.67	Pass
		HOPP	DH5	1	2.47	-17.53	Pass
					2.47	-17.53	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	0.25	-19.75	Pass
		2441	2DH5	1	1.08	-18.92	Pass
		2480	2DH5	1	2.44	-17.56	Pass
		HOPP	2DH5	1	2.49	-17.51	Pass
					2.49	-17.51	Pass

6.2 Test Graph

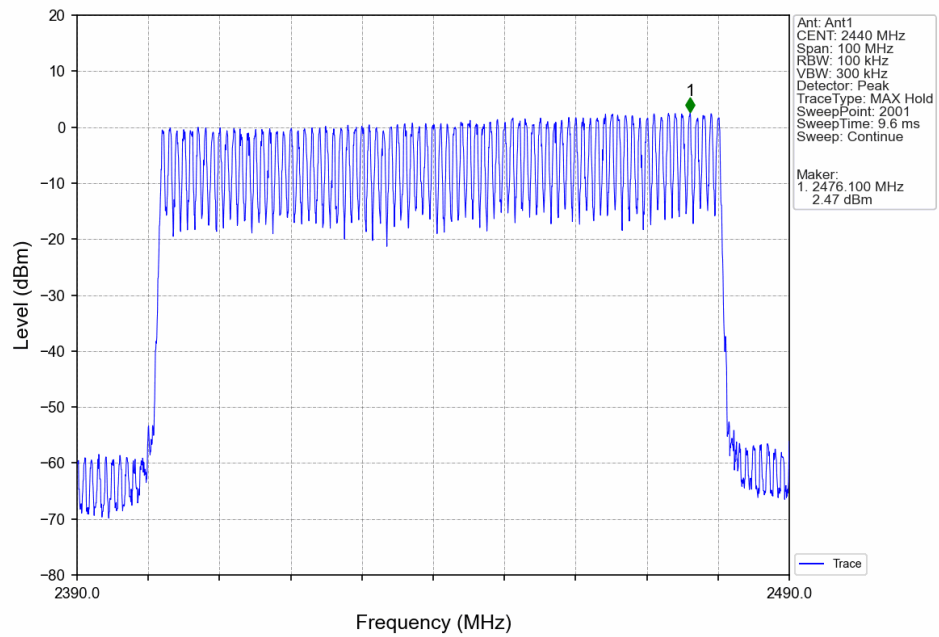
6.2.1 Ref



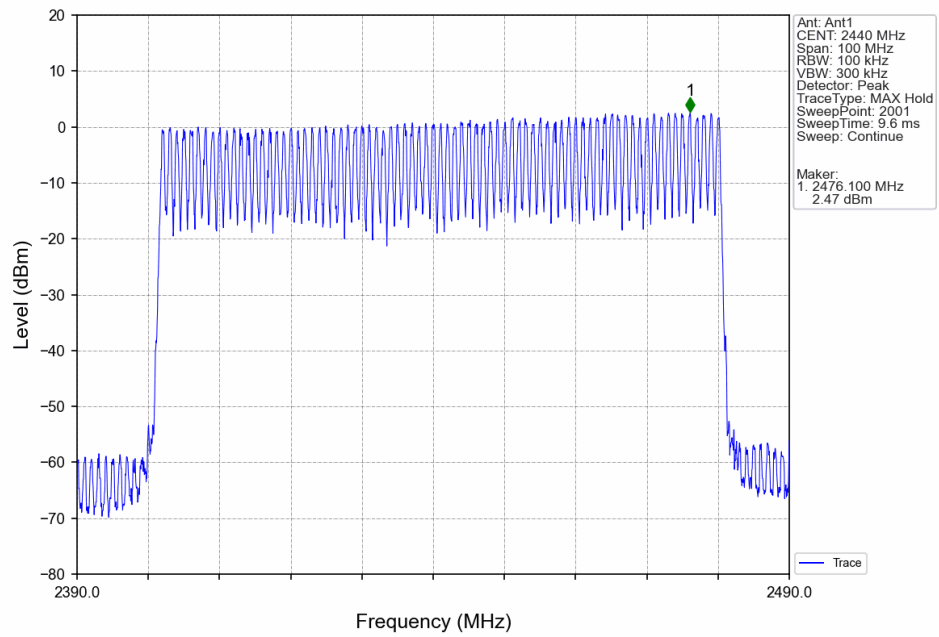
GFSK DH5 HCH 2480MHz Ant1 NTV



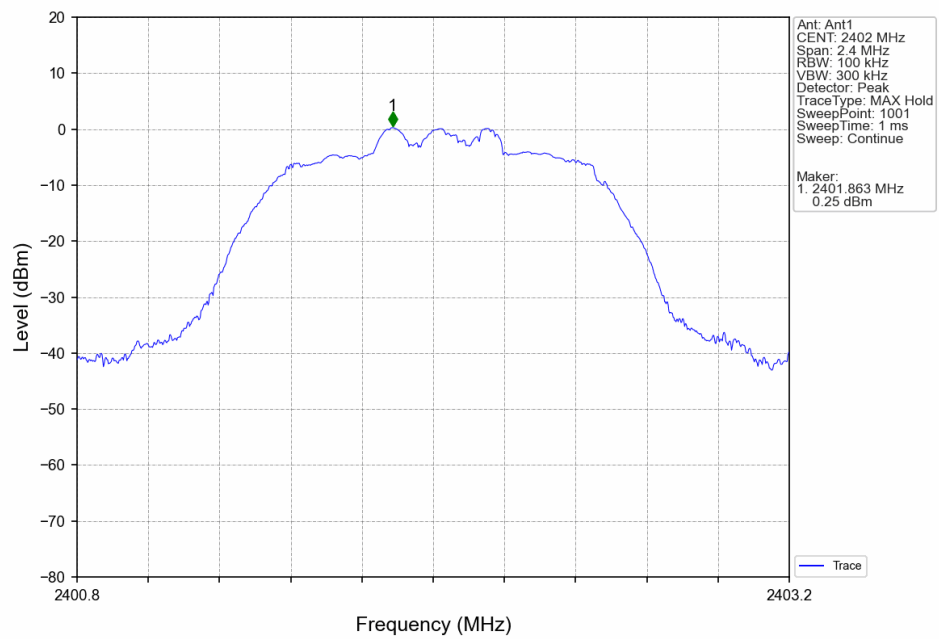
GFSK_DH5_HOPP_Ant1_NTNV



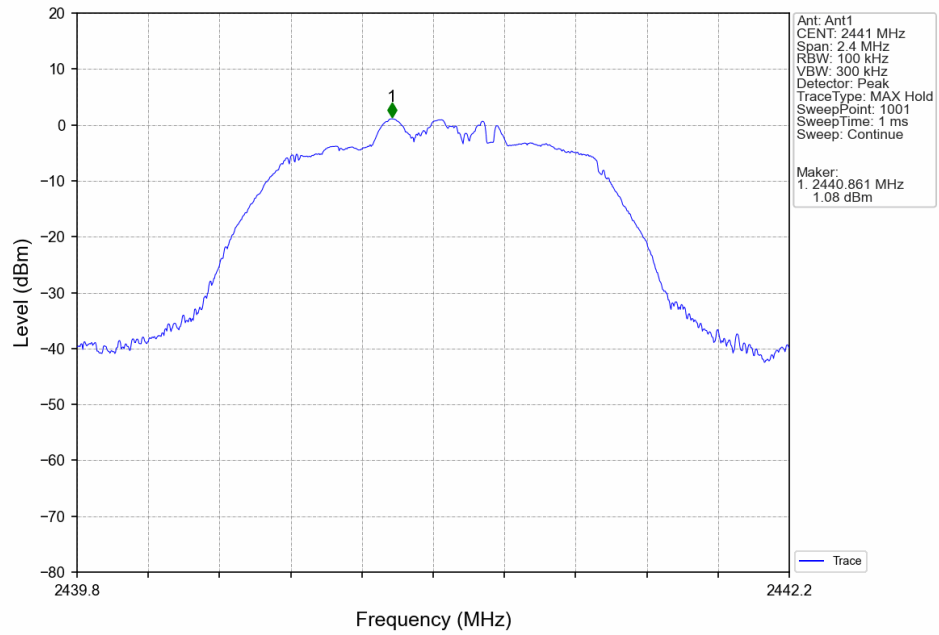
GFSK DH5 HOPP Ant1 NTN



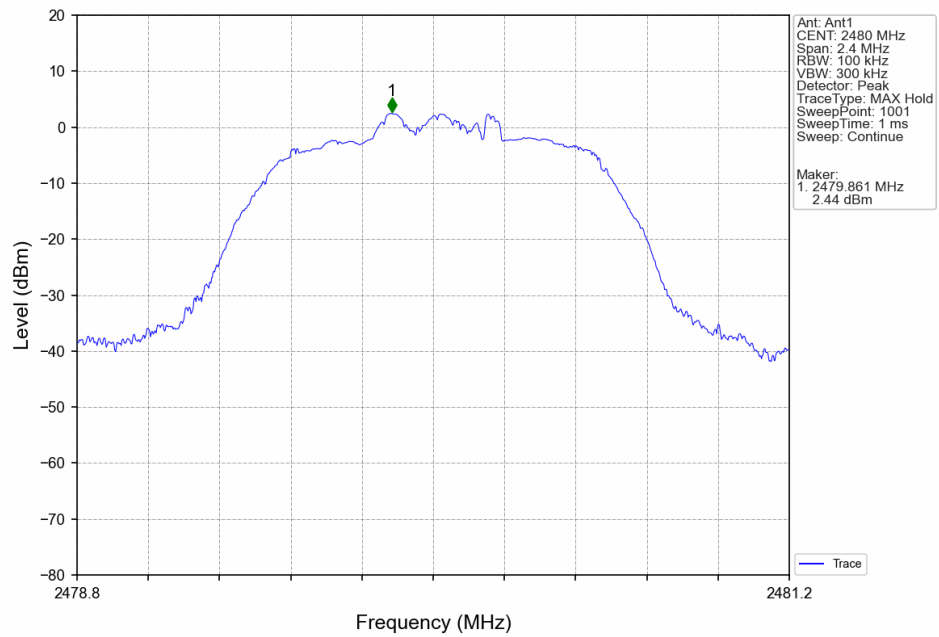
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTN



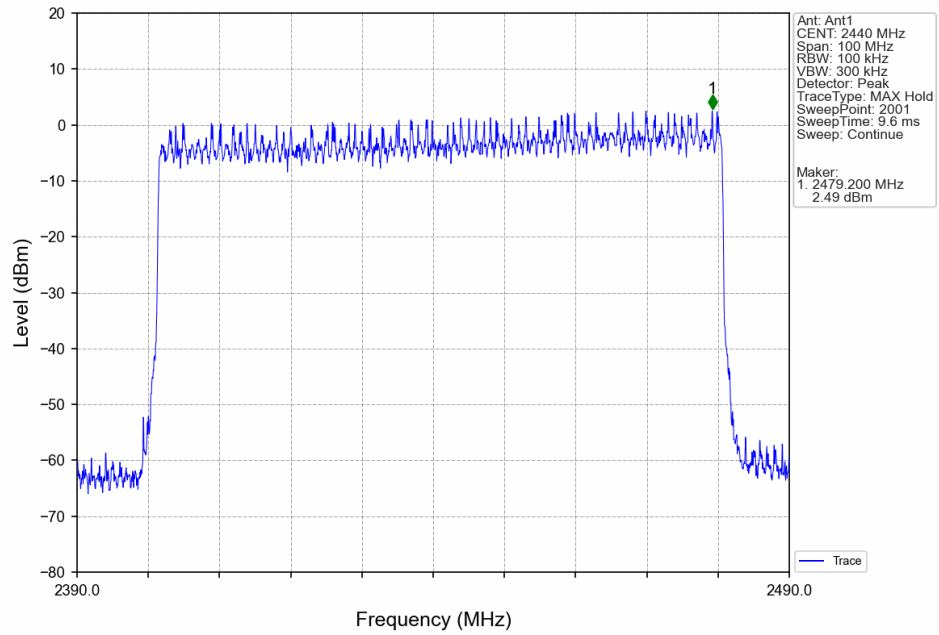
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



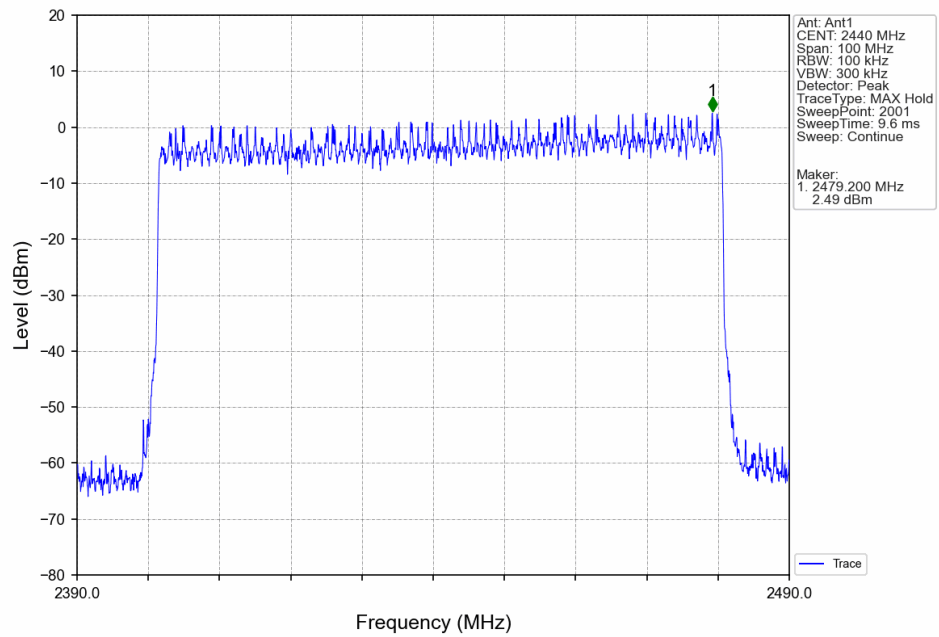
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



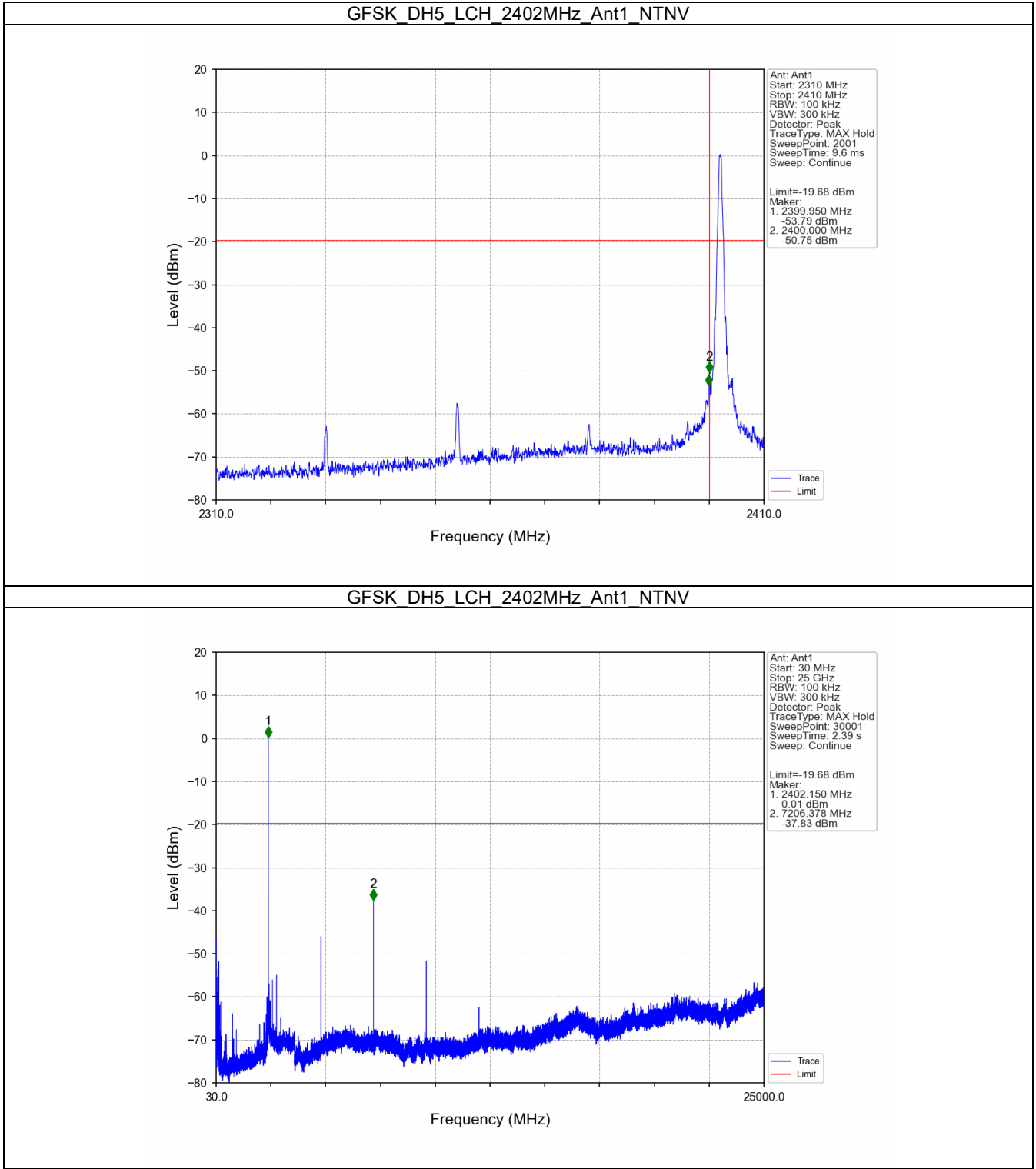
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



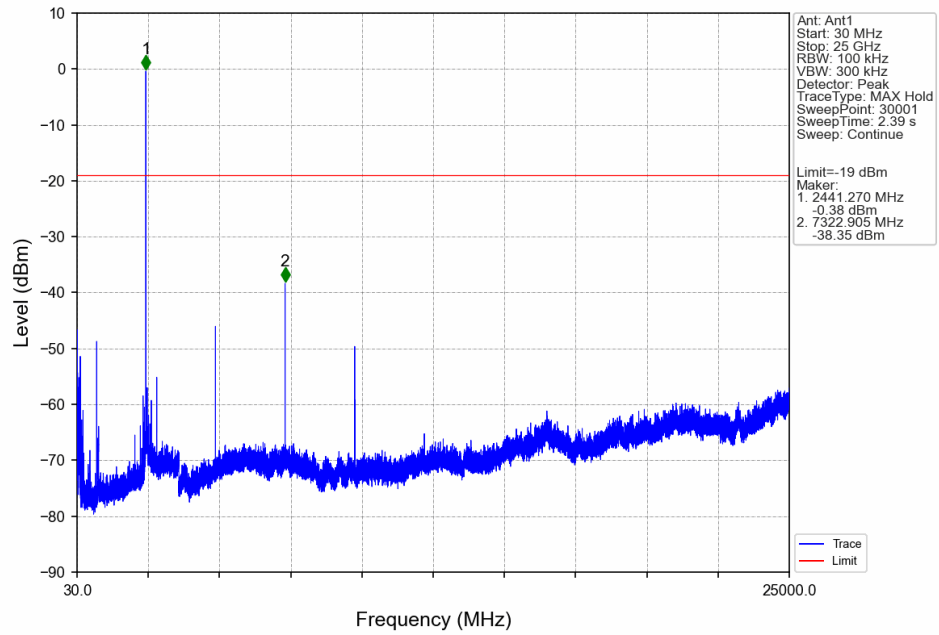
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



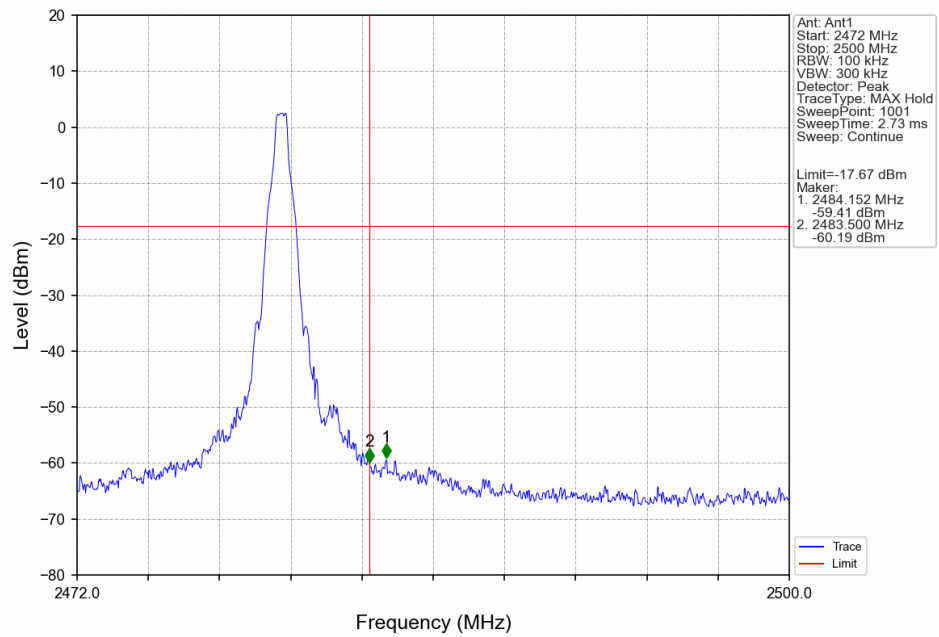
6.2.2 CSE



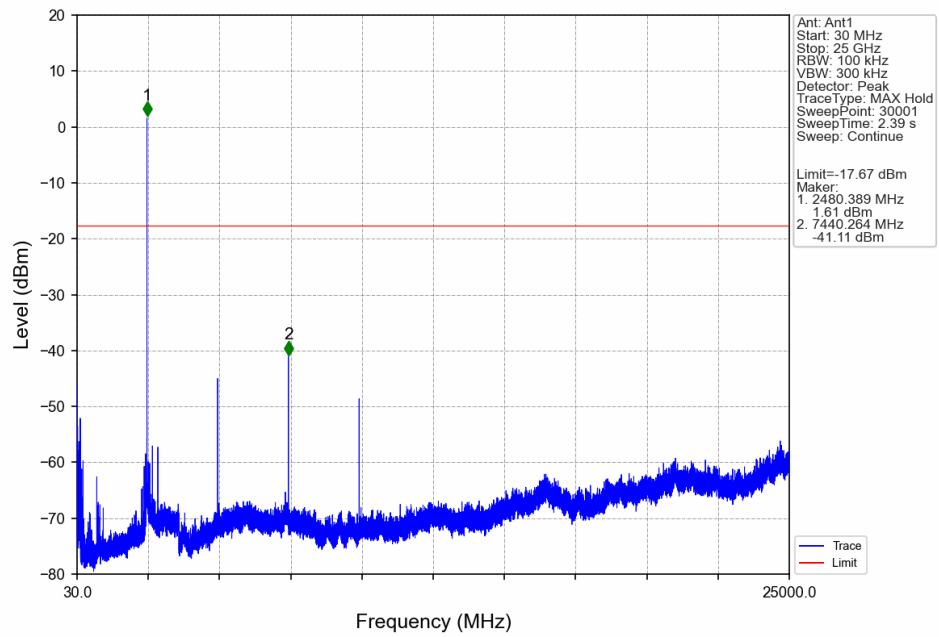
GFSK DH5 MCH 2441MHz Ant1 NTN



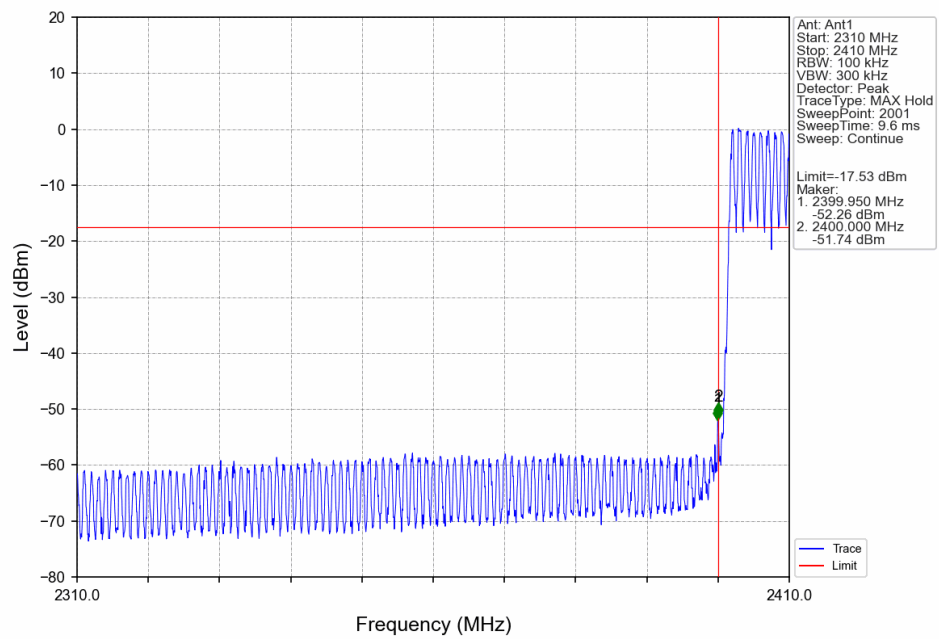
GFSK_DH5_HCH_2480MHz_Ant1_NTN



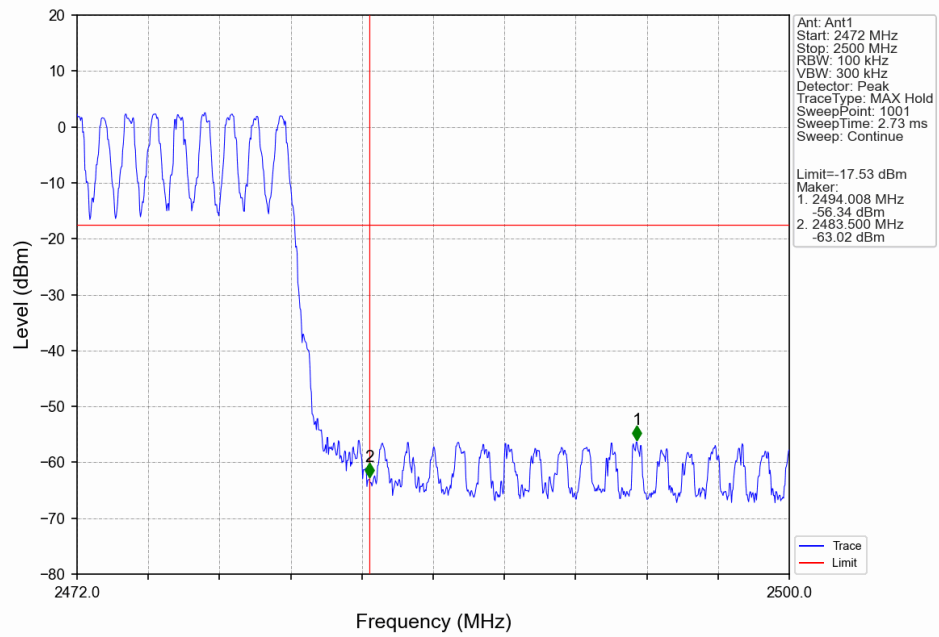
GFSK DH5 HCH 2480MHz Ant1 NTNV



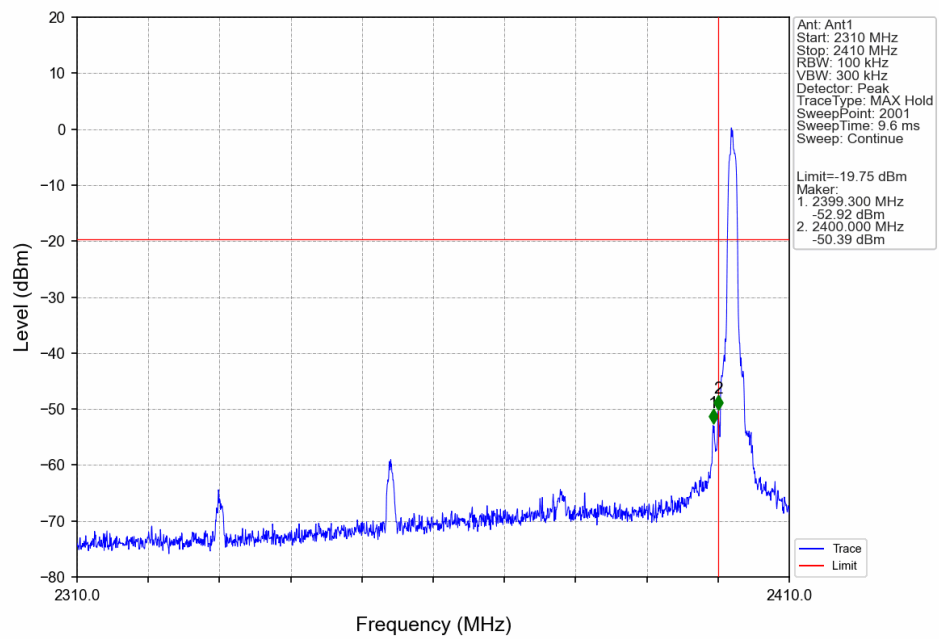
GFSK_DH5_HOPP_Ant1_NTNV



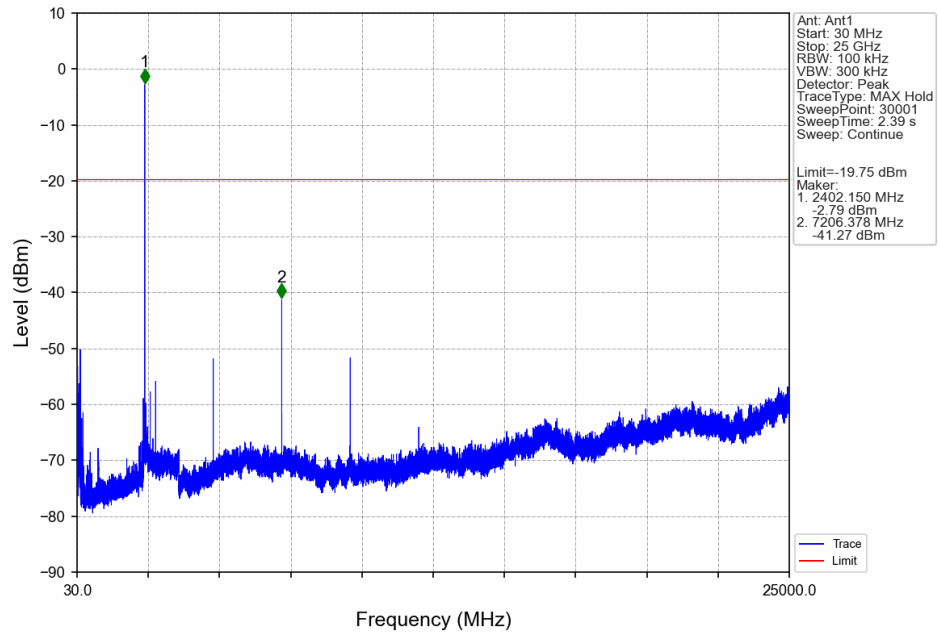
GFSK DH5 HOPP Ant1 NTN



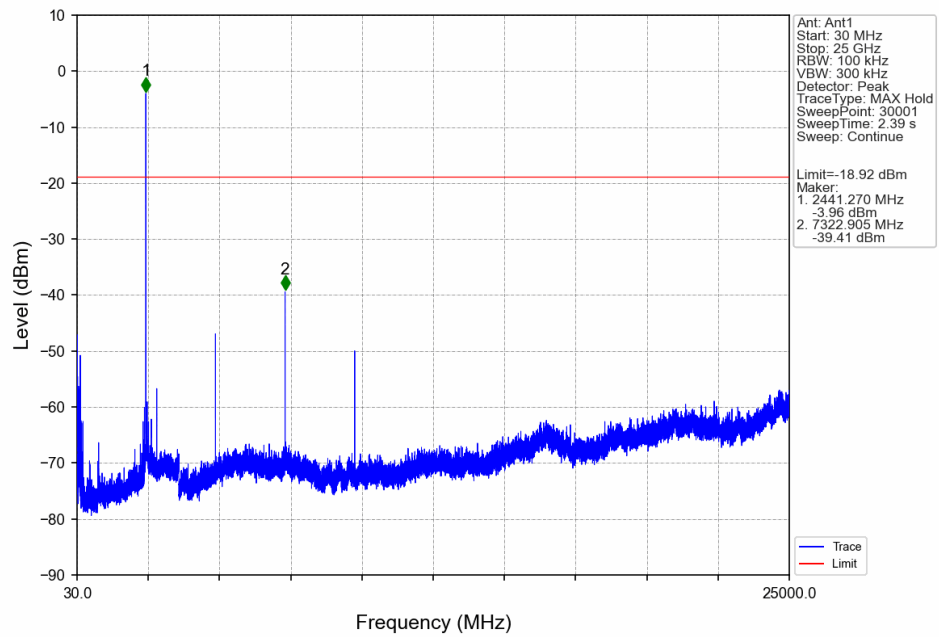
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



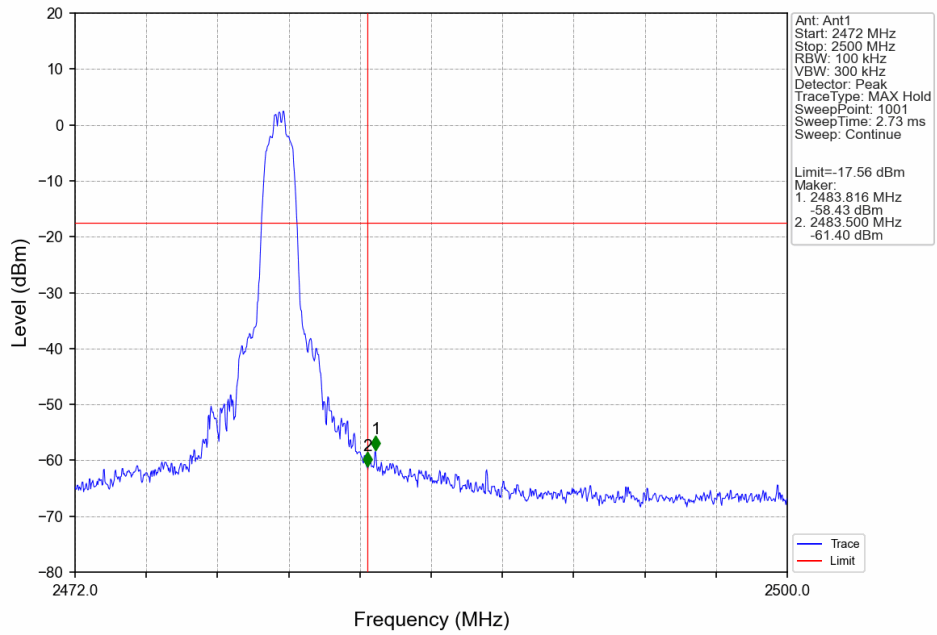
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



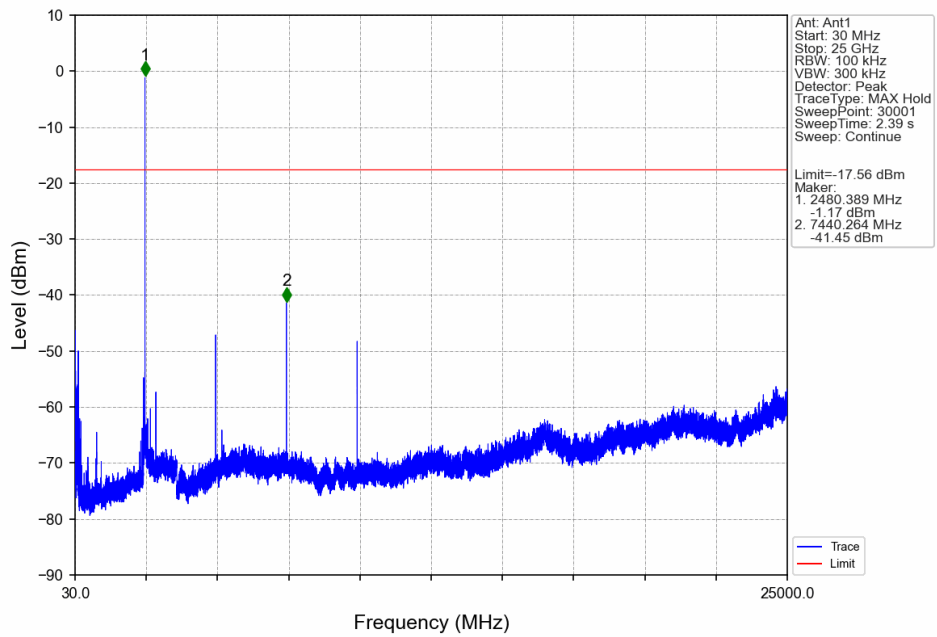
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



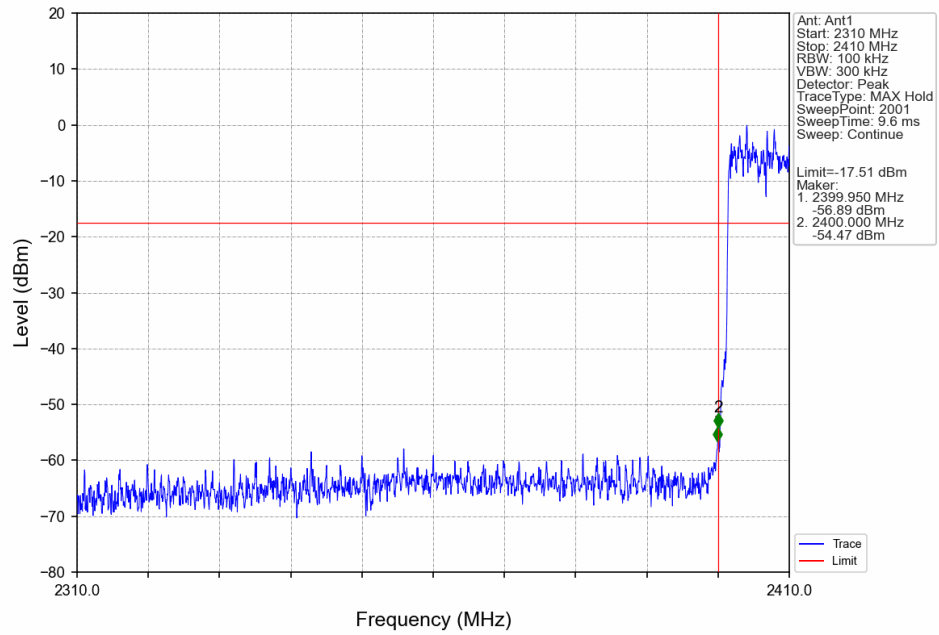
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



Pi/4DQPSK 2DH5_HOPP_Ant1_NTNV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV

