



Radio Test Report

Report No.: STS2603097W02

Issued for

Drlook E-commerce Limited

RM 1168, FLAT A & B, 11/F, BLK 1 CAMELPAINT BLDG
NO.62 HOI YUEN RD KWUN TONG KL HONG KONG,
CHINA

Product Name: AI Learning Camera Cap

Brand Name: **Dr.Look** 

Model Name: LK-CL01-US

Series Model(s): N/A

FCC ID: 2BU8L-LKCL01US

Test Standards: FCC Part15.247

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

**TEST REPORT**

Applicant's Name: Drlook E-commerce Limited
Address.....: RM 1168, FLAT A & B, 11/F, BLK 1 CAMELPAINT BLDG NO.62 HOI YUEN RD KWUN TONG KL HONG KONG, CHINA
Manufacturer's Name: Drlook E-commerce Limited
Address.....: RM 1168, FLAT A & B, 11/F, BLK 1 CAMELPAINT BLDG NO.62 HOI YUEN RD KWUN TONG KL HONG KONG, CHINA

Product Description

Product Name: AI Learning Camera Cap
Brand Name: **Dr.Look** 
Model Name.....: LK-CL01-US
Series Model(s): N/A

Standards: FCC Part15.247

Test Procedure.....: ANSI C63.10-2020

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.
The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

Date of Test

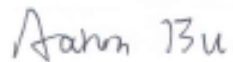
Date of receipt of test item: 13 Mar. 2026

Date (s) of performance of tests : 13 Mar. 2026~28 Apr. 2026

Date of Issue: 28 Apr. 2026

Test Result.....: Pass

Testing Engineer :



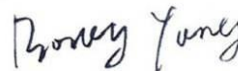
(Aaron Bu)

Technical Manager :



(Skylar Li)

Authorized Signatory :



(Bovey Yang)





Table of Contents	Page
1. SUMMARY OF TEST RESULTS	7
1.1 TEST FACTORY	8
1.2 MEASUREMENT UNCERTAINTY	8
2. GENERAL INFORMATION	9
2.2 DESCRIPTION OF THE TEST MODES	11
2.3 FREQUENCY HOPPING SYSTEM REQUIREMENTS	11
2.4 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING	13
2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	14
2.6 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS	15
2.7 EQUIPMENTS LIST	16
3. EMC EMISSION TEST	17
3.1 CONDUCTED EMISSION MEASUREMENT	17
3.2 RADIATED EMISSION MEASUREMENT	21
4. CONDUCTED SPURIOUS & BAND EDGE EMISSION	48
4.1 LIMIT	48
4.2 TEST PROCEDURE	48
4.3 TEST SETUP	48
4.4 EUT OPERATION CONDITIONS	49
4.5 TEST RESULTS	49
5. NUMBER OF HOPPING CHANNEL	50
5.1 LIMIT	50
5.2 TEST PROCEDURE	50
5.3 TEST SETUP	50
5.4 EUT OPERATION CONDITIONS	50
5.5 TEST RESULTS	50
6. AVERAGE TIME OF OCCUPANCY	51
6.1 LIMIT	51
6.2 TEST PROCEDURE	51
6.3 TEST SETUP	51
6.4 EUT OPERATION CONDITIONS	51
6.5 TEST RESULTS	51
7. HOPPING CHANNEL SEPARATION MEASUREMENT	52
7.1 LIMIT	52



Table of Contents	Page
7.2 TEST PROCEDURE	52
7.3 TEST SETUP	52
7.4 EUT OPERATION CONDITIONS	52
7.5 TEST RESULTS	52
8. BANDWIDTH TEST	53
8.1 LIMIT	53
8.2 TEST PROCEDURE	53
8.3 TEST SETUP	53
8.4 EUT OPERATION CONDITIONS	53
8.5 TEST RESULTS	53
9. OUTPUT POWER TEST	54
9.1 LIMIT	54
9.2 TEST PROCEDURE	54
9.3 TEST SETUP	55
9.4 EUT OPERATION CONDITIONS	55
9.5 TEST RESULTS	55
10. ANTENNA REQUIREMENT	56
10.1 STANDARD REQUIREMENT	56
10.2 EUT ANTENNA	56
11. FREQUENCY STABILITY	57
11.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT	57
11.2 TEST PROCEDURE	57
11.3 TEST SETUP	57
11.4 TEST RESULT	58
APPENDIX 1-TEST DATA	61
DWELL TIME	61
MAXIMUM PEAK CONDUCTED OUTPUT POWER	71
-20DB BANDWIDTH	77
CARRIER FREQUENCIES SEPARATION	83
NUMBER OF HOPPING CHANNEL	89
BAND EDGE	92
BAND EDGE(HOPPING)	99



Table of Contents	Page
CONDUCTED RF SPURIOUS EMISSION	106
DUTY CYCLE	116
MAXIMUM AVERAGE CONDUCTED OUTPUT POWER	119
APPENDIX 2-PHOTOS OF TEST SETUP	122

**Revision History**

Rev.	Issue Date	Report No.	Effect Page	Contents
00	28 Apr. 2026	STS2603097W02	ALL	Initial Issue



1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:
KDB 558074 D01 15.247 Meas Guidance v05r02.

FCC Part 15.247, Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	--
15.247(a)(1)	Hopping Channel Separation	PASS	--
15.247(a)(1)&(b)(1)	Output Power	PASS	--
15.209	Radiated Spurious Emission	PASS	--
15.247(d)	Conducted Spurious & Band Edge Emission	PASS	--
15.247(a)(1)(iii)	Number of Hopping Frequency	PASS	--
15.247(a)(1)(iii)	Dwell Time	PASS	--
15.247(a)(1)	Bandwidth	PASS	--
15.205	Restricted bands of operation	PASS	--
Part 15.247(d)/part 15.209(a)	Band Edge Emission	PASS	--
15.203	Antenna Requirement	PASS	--

Note:

- (1) 'N/A' denotes test is not applicable in this Test Report.
- (2) All tests are according to ANSI C63.10-2020.



1.1 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95 %**.

No.	Item	Uncertainty
1	RF output power, conducted	$\pm 0.751\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.888\text{dB}$
3	All emissions, radiated 9K-30MHz	$\pm 2.48\text{dB}$
4	All emissions, radiated 30M-1GHz	$\pm 2.52\text{dB}$
5	All emissions, radiated 1G-18GHz	$\pm 3.48\text{dB}$
6	All emissions, radiated >18GHz	$\pm 4.18\text{dB}$
7	Conducted Emission (9KHz-150KHz)	$\pm 2.48\text{dB}$
8	Conducted Emission (150KHz-30MHz)	$\pm 2.52\text{dB}$
9	Occupied Channel Bandwidth	$\pm 3.6\%$
10	Duty Cycle	$\pm 3.2\%$



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	AI Learning Camera Cap
Brand Name	Dr.Look 
Model Name	LK-CL01-US
Series Model(s)	N/A
Model Difference	N/A
Channel List	Please refer to the Note 3.
Bluetooth	Frequency: 2402 – 2480 MHz Modulation: GFSK(1Mbps), $\pi/4$ -DQPSK(2Mbps), 8DPSK(3Mbps)
Bluetooth Configuration	BR+EDR
Antenna Type	FPC
Antenna Gain	1.26dBi
Power Rating	Input: DC 5V
Adapter	N/A
Battery	Model: SZA404862 Rated Voltage: 3.7V Charge Limit Voltage: 4.2V Capacity: 1600mAh
Hardware version number	V1.0
Software version number	1.0.1
Connecting I/O Port(s)	Please refer to the Note 1.

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.
2. The antenna details in this report are based on the manufacturer provided antenna specification documents and apply only to the tested sample identified herein. Any discrepancies in the antenna information may affect the accuracy of the test results, and the customer assumes responsibility for any related issues.



4.

Channel List					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	27	2429	54	2456
01	2403	28	2430	55	2457
02	2404	29	2431	56	2458
03	2405	30	2432	57	2459
04	2406	31	2433	58	2460
05	2407	32	2434	59	2461
06	2408	33	2435	60	2462
07	2409	34	2436	61	2463
08	2410	35	2437	62	2464
09	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454		
26	2428	53	2455		



2.2 DESCRIPTION OF THE TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Worst Mode	Description	Data Rate/Modulation
Mode 1	TX CH00	1Mbps/GFSK
Mode 2	TX CH39	1Mbps/GFSK
Mode 3	TX CH78	1Mbps/GFSK
Mode 4	TX CH00	2 Mbps/ π /4-DQPSK
Mode 5	TX CH39	2 Mbps/ π /4-DQPSK
Mode 6	TX CH78	2 Mbps/ π /4-DQPSK
Mode7	TX CH00	3 Mbps/8DPSK
Mode 8	TX CH39	3 Mbps/8DPSK
Mode 9	TX CH78	3 Mbps/8DPSK
Mode 10	Hopping	GFSK
Mode 11	Hopping	π /4-DQPSK
Mode 12	Hopping	8DPSK

Note:

(1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.

(2) We tested for all available U.S. voltage and frequencies (For 120V, 50/60Hz and 240V, 50/60Hz) for which the device is capable of operation, and the worst case of 120V/ 60Hz is shown in the report.

For AC Conducted Emission

Test Case	
AC Conducted Emission	Mode 13 : Keeping BT TX

2.3 FREQUENCY HOPPING SYSTEM REQUIREMENTS

(1) Standard and Limit

According to FCC Part 15.247(a)(1), The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

Frequency hopping spread spectrum systems are not required to employ all available hopping channels during each transmission. However, the system, consisting of both the transmitter and the receiver, must be designed to comply with all of the regulations in this section should the transmitter be presented with a continuous data (or information) stream. In addition, a system employing short transmission bursts must comply with the definition of a frequency hopping system and must distribute its transmissions over the minimum number of hopping channels specified in this section.



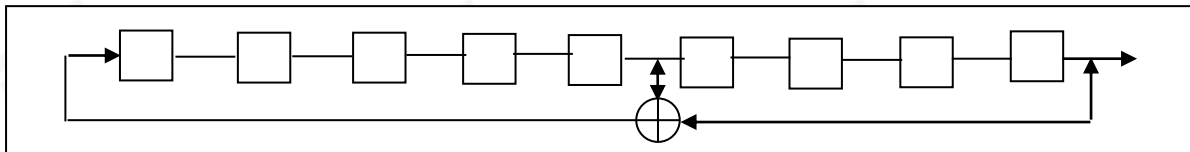
The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hop sets to avoid hopping on occupied channels is permitted. The coordination of frequency hopping systems in any other manner for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters is not permitted.

(2) The Pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first one of 9 consecutive ones: i.e. the shift register is initialized with nine ones.

Numver of shift register stages:9

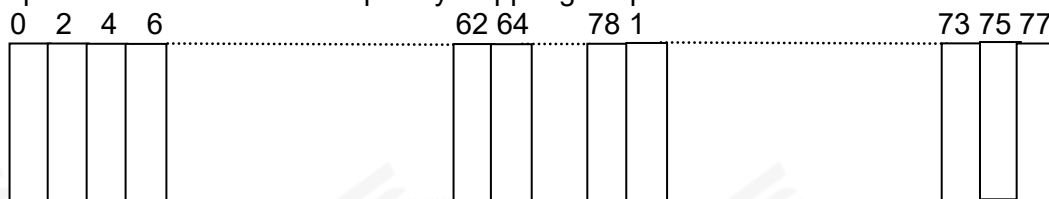
Length of pseudo-random sequence: $2^9-1=511$ bits

Longest sequence of zeros: 8(non-inverted signal)



Linear Feedback Shift Register for Generator of the PRBS sequence

An example of Pseudorandom Frequency Hopping Sequence as follow:



Each frequency used equally on th average by each transmitter.

The system receivers have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies ini synchronization with the transmitted signals.

(3) Frequency Hopping System

This transmitter device is frequency hopping device, and complies with FCC part 15.247 rule.

This device uses Bluetooth radio which operates in 2400-2483.5 MHz band. Bluetooth uses a radio technology called frequency-hopping spread spectrum, which chops up the data being sent and transmits chunks of it on up to 79 bands (1 MHz each; centred from 2402 to 2480 MHz) in the range 2,400-2,483.5MHz. The transmitter switches hop frequencies 1,600 times per second to assure a high degree of data security. All Bluetooth devices participating in a given piconet are synchronized to the frequency-hopping channel for the piconet. The frequency hopping sequence is determined by the master's device address and the phase of the hopping sequence (the frequency to hop at a specific time) is determined by the master's internal clock. Therefore, all slaves in a piconet must know the master's device address and must synchronize their clocks with the master's clock.

Adaptive Frequency Hopping (AFH) was introduced in the Bluetooth specification to provide an effective way for a Bluetooth radio to counteract normal interference. AFH identifies "bad" channels, where either other wireless devices are interfering with the Bluetooth signal or the Bluetooth signal is interfering with another device. The AFH-enabled Bluetooth device will then communicate with other devices within its piconet to share details of any identified bad channels. The devices will then switch to alternative available "good" channels, away from the areas of interference, thus having no impact on the bandwidth used.

This device was tested with a bluetooth system receiver to check that the device maintained hopping synchronization, and the device complied with these requirements FCC Part 15.247 rule.



2.4 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of FHSS.

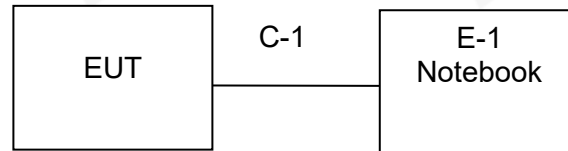
(Control software) Parameters(1/2/3Mbps)	Test program: Bluetooth		
	Packet type: DH1:4:27 2DH1:20:54 3DH1:24:83	Packet type: DH3:11:183 2DH3:26:367 3DH3:27:552	Packet type: DH5:15:339 2DH5:30:679 3DH5:31:1021

RF Function	Type	Mode Or Modulation type	ANT Gain(dBi)	Power Class	Software For Testing
BT	BR+EDR	GFSK	1.26	Default	CMD
		$\pi/4$ -DQPSK	1.26	Default	
		8DPSK	1.26	Default	

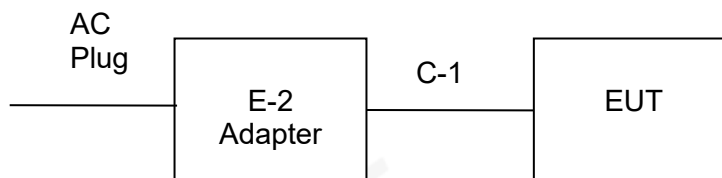


2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

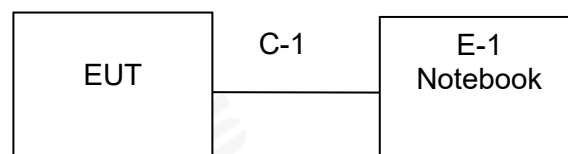
Conducted Emission Test



Radiated Spurious Emission Test



RF Conducted Test





2.6 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Note
E-1	Notebook	DELL	Inspiron 3501	N/A
E-2	Adapter	ZTC	NB-A515A	N/A
C-1	USB Cable	MI	RYEW3A	N/A

Item	Equipment	Mfr/Brand	Length	Note
C-1	Shielded	NO	150cm	N/A

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (2) “YES” is means “with core”; “NO” is means “without core”.



2.7 EQUIPMENTS LIST

RF Radiation Test Equipment					
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
Temperature & Humidity	SW-108	SuWei	N/A	2026.02.04	2027.02.03
Pre-Amplifier(0.1M-3GHz)	EM	EM330	060665	2026.02.04	2027.02.03
Pre-Amplifier(1G-18GHz)	SKET	LNPA-01018G-45	SK2018080901	2025.09.25	2026.09.24
Pre-Amplifier(18G-40GHz)	SKET	LNPA_1840-50	SK2018101801	2026.03.04	2027.03.03
Active loop Antenna	ZHINAN	ZN30900C	16035	2025.02.25	2027.02.24
Bilog Antenna	TESEQ	CBL6111D	34678	2025.09.27	2027.09.26
Horn Antenna	SCHWARZBECK	BBHA 9120D	02014	2025.09.27	2027.09.26
Horn Antenna	A-INFOMW	LB-180400-KF	J211020657	2025.09.27	2027.09.26
Positioning Controller	MF	MF-7802	MF-780208587	N/A	N/A
Signal Analyzer	R&S	FSV 40-N	101823	2025.09.26	2026.09.25
Switch Control Box	N/A	N/A	N/A	N/A	N/A
Band 2.4G-2.5G Filter	HX MICROWAVE	HXLBQ-DZA61	N/A	2025.09.23	2026.09.22
Antenna Mast	MF	MFA-440H	N/A	N/A	N/A
Turn Table	MF	SC100 1	60531	N/A	N/A
AC Power Source	APC	KDF-11010G	F214050035	N/A	N/A
DC power supply	HONGSHENGFE NG	DPS-305AF	17064939	2025.09.22	2026.09.21
RF Coaxial Cable	LEITAI M-WAVE	CA360	DC-18G	N/A	N/A
RF Coaxial Cable)	LEITAI M-WAVE	CA360	DC-18G	N/A	N/A
RF Coaxial Cable)	LEITAI M-WAVE	CA3507	DC-40G	N/A	N/A
RF Coaxial Cable)	LEITAI M-WAVE	CA3507	DC-40G	N/A	N/A
Test SW	EZ-EMC	Ver.STSLAB-03A1 RE			
Conduction Test Equipment					
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2025.09.25	2026.09.24
Limiter	CYBERTEK	EM5010	N/A	2025.09.25	2026.09.24
LISN	R&S	ENV216	101242	2025.09.25	2026.09.24
LISN	EMCO	3810/2NM	23625	2025.09.25	2026.09.24
Temperature & Humidity	SW-108	SuWei	N/A	2026.02.04	2027.02.03
Test SW	EZ-EMC	Ver.STSLAB-03A1 CE			
RF Connected Test					
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Signal Analyzer	Agilent	N9020A	MY51510623	2026.02.04	2027.02.03
Switch control box	MW	MW100-RFCB	N/A	N/A	N/A
RF Coaxial Cable	XINQY	CT26PE	DC-26.5G	N/A	N/A
Temperature& Humidity test chamber	Safety test	AG80L	171200018	2026.02.04	2027.02.03
Temperature & Humidity	SW-108	SuWei	N/A	2026.02.04	2027.02.03
Test SW	MW	MTS 8310 2.0.0.0			



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION LIMITS

The radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table.

FREQUENCY (MHz)	Conducted Emission limit (dBuV)	
	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of “*” marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

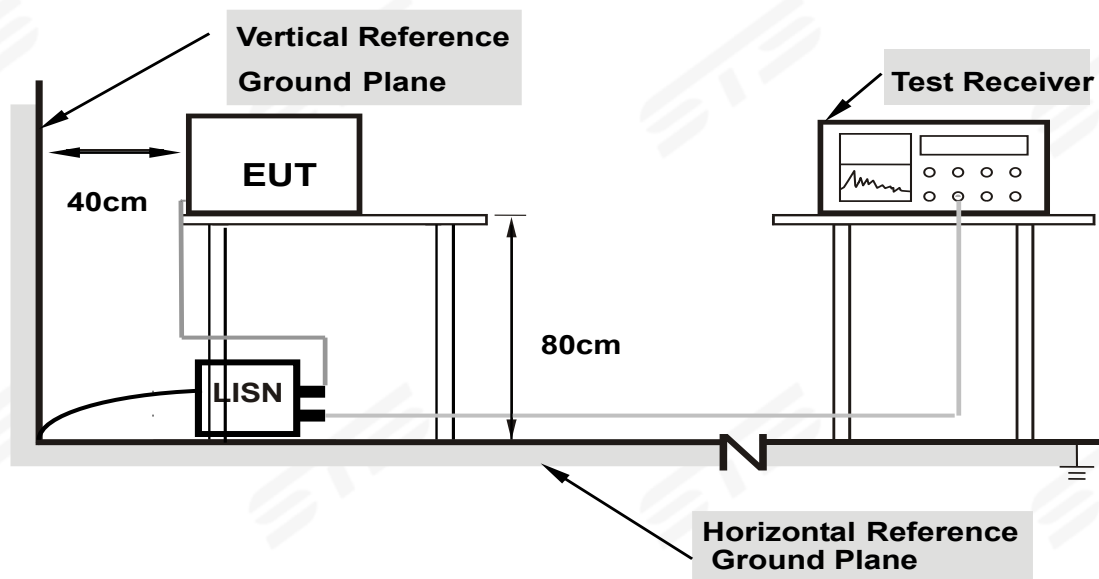
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.1.2 TEST PROCEDURE

- The EUT is 0.8 m from the horizontal ground plane and 0.4 m from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments are powered from additional LISN(s). The LISN provides 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN is at least 80 cm from the nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 TEST SETUP



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes support units.

3.1.4 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



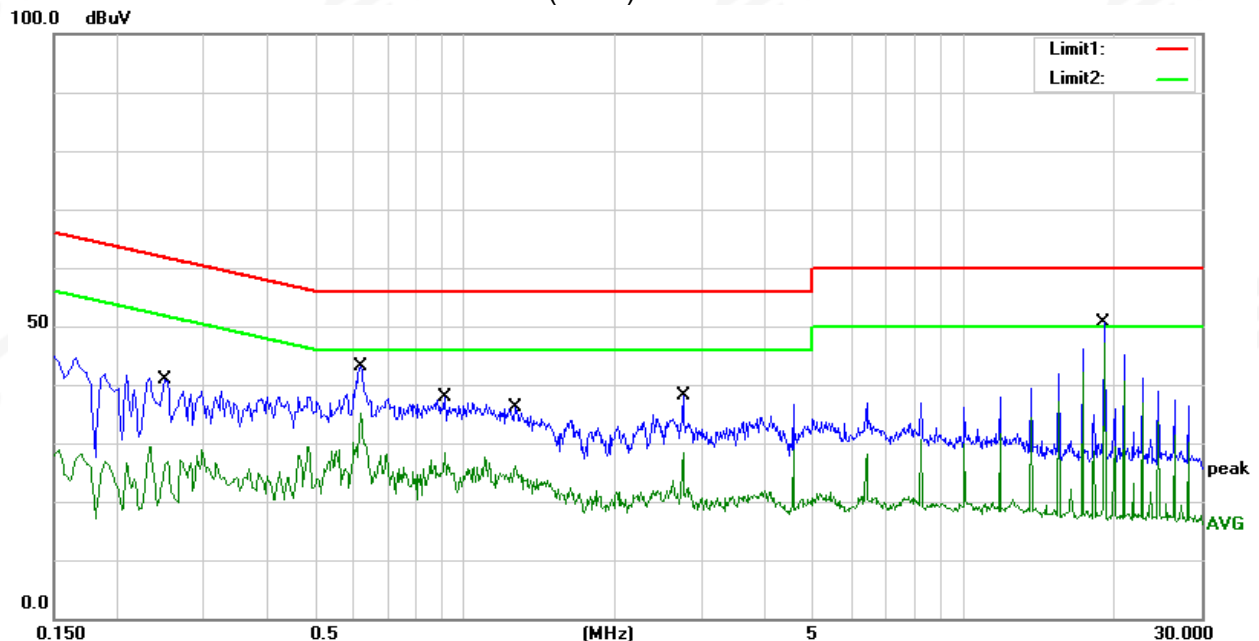
3.1.5 TEST RESULT

Temperature:	25.1°C	Relative Humidity:	59%
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 13		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2500	21.55	19.38	40.93	61.76	-20.83	QP
2	0.2500	9.47	19.38	28.85	51.76	-22.91	AVG
3	0.6180	23.72	19.38	43.10	56.00	-12.90	QP
4	0.6180	15.73	19.38	35.11	46.00	-10.89	AVG
5	0.9140	18.62	19.36	37.98	56.00	-18.02	QP
6	0.9140	8.97	19.36	28.33	46.00	-17.67	AVG
7	1.2660	16.68	19.35	36.03	56.00	-19.97	QP
8	1.2660	8.32	19.35	27.67	46.00	-18.33	AVG
9	2.7380	18.62	19.38	38.00	56.00	-18.00	QP
10	2.7380	9.07	19.38	28.45	46.00	-17.55	AVG
11	19.1580	30.88	19.76	50.64	60.00	-9.36	QP
12	19.1580	27.22	19.76	46.98	50.00	-3.02	AVG

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result = Reading + Factor)-Limit
3. Factor=LISN factor+Cable loss+Limiter (10dB)



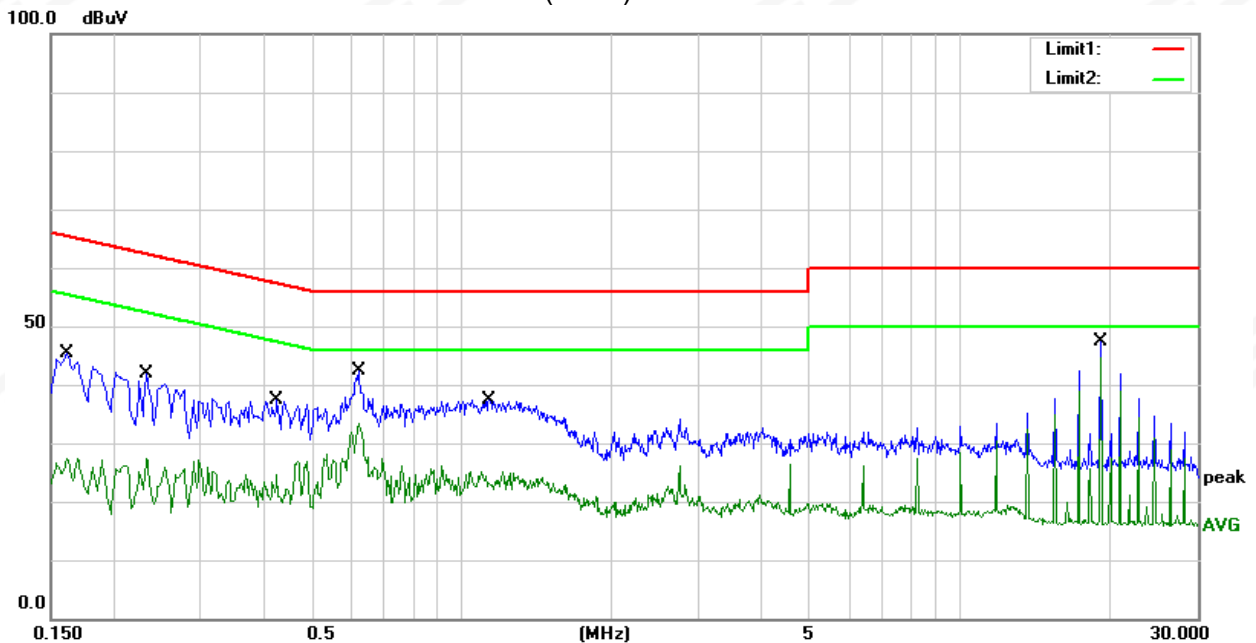


Temperature:	25.1°C	Relative Humidity:	59%
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 13		

No.	Frequency (MHz)	Reading (dBUV)	Correct Factor(dB)	Result (dBUV)	Limit (dBUV)	Margin (dB)	Remark
1	0.1620	25.93	19.40	45.33	65.36	-20.03	QP
2	0.1620	8.04	19.40	27.44	55.36	-27.92	AVG
3	0.2340	22.38	19.38	41.76	62.31	-20.55	QP
4	0.2340	7.99	19.38	27.37	52.31	-24.94	AVG
5	0.4260	18.06	19.35	37.41	57.33	-19.92	QP
6	0.4260	8.89	19.35	28.24	47.33	-19.09	AVG
7	0.6220	23.02	19.38	42.40	56.00	-13.60	QP
8	0.6220	14.05	19.38	33.43	46.00	-12.57	AVG
9	1.1380	17.91	19.39	37.30	56.00	-18.70	QP
10	1.1380	6.79	19.39	26.18	46.00	-19.82	AVG
11	19.1620	27.54	19.89	47.43	60.00	-12.57	QP
12	19.1620	24.83	19.89	44.72	50.00	-5.28	AVG

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result = Reading + Factor) – Limit
3. Factor = LISN factor + Cable loss + Limiter (10dB)





3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS

In any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the Restricted band specified on Part15.205(a)&209(a) limit in the table and according to ANSI C63.10-2020 below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (0.009MHz - 1000MHz)

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (1000MHz-25GHz)

FREQUENCY (MHz)	(dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

LIMITS OF RESTRICTED FREQUENCY BANDS

FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (GHz)
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	Above 38.6
13.36-13.41			



For Radiated Emission

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak/QP/AV
Start Frequency	9 KHz/150KHz(Peak/QP/AV)
Stop Frequency	150KHz/30MHz(Peak/QP/AV)
RB / VB (emission in restricted band)	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz); 200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak/QP
Start Frequency	30 MHz(Peak/QP)
Stop Frequency	1000 MHz (Peak/QP)
RB / VB (emission in restricted band)	120 KHz / 300 KHz

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak/AV
Start Frequency	1000 MHz(Peak/AV)
Stop Frequency	10th carrier hamonic(Peak/AV)
RB / VB (emission in restricted band)	1 MHz / 3 MHz(Peak) 1 MHz/1/T MHz(AVG)

For Restricted band

Spectrum Parameter	Setting
Detector	Peak/AV
Start/Stop Frequency	Lower Band Edge: 2310 to 2410 MHz Upper Band Edge: 2476 to 2500 MHz
RB / VB	1 MHz / 3 MHz(Peak) 1 MHz/1/T MHz(AVG)



Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.2.2 TEST PROCEDURE

- The measuring distance at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- The EUT was placed on the top of a rotating table 0.8 m (above 1GHz is 1.5 m) above the ground at a 3 m anechoic chamber test site. The table was rotated 360 degree to determine the position of the highest radiation.
- The height of the equipment shall be 0.8 m (above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. Horizontal and vertical polarization of the antenna are set to make the measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and QuasiPeak detector mode will be re-measured.
- If the Peak Mode measured value is compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and no additional QP Mode measurement was performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

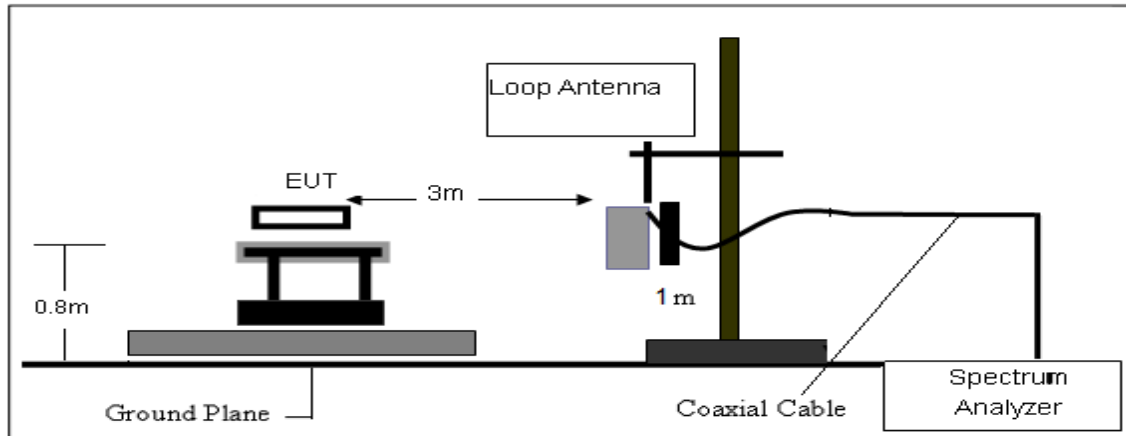
Both horizontal and vertical antenna polarities were tested with a band-stop filter and performed pretest to three orthogonal axis. The worst-case emissions were reported.

3.2.3 DEVIATION FROM TEST STANDARD

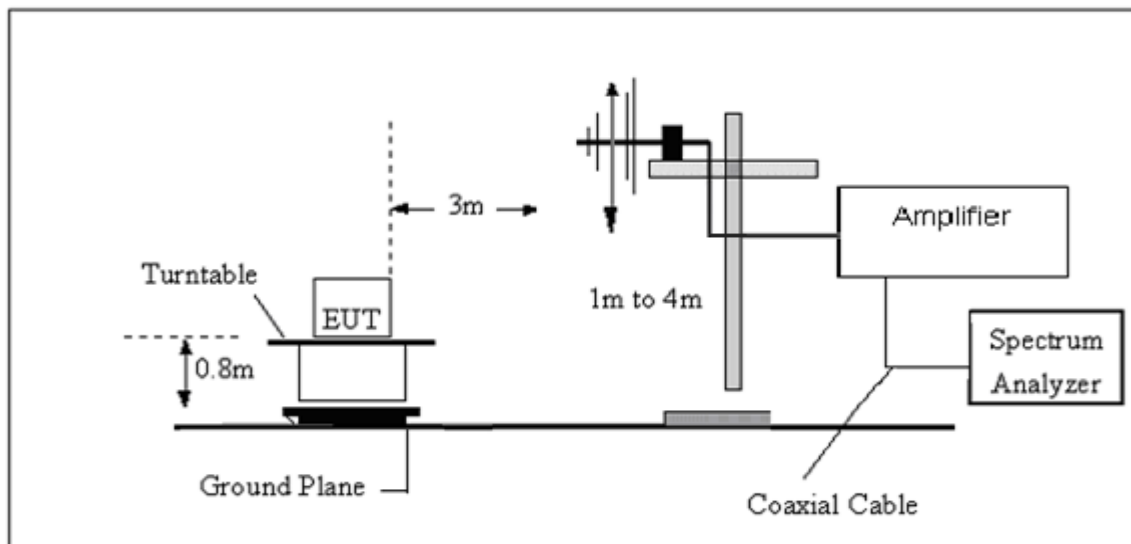
No deviation.

3.2.4 TESTSETUP

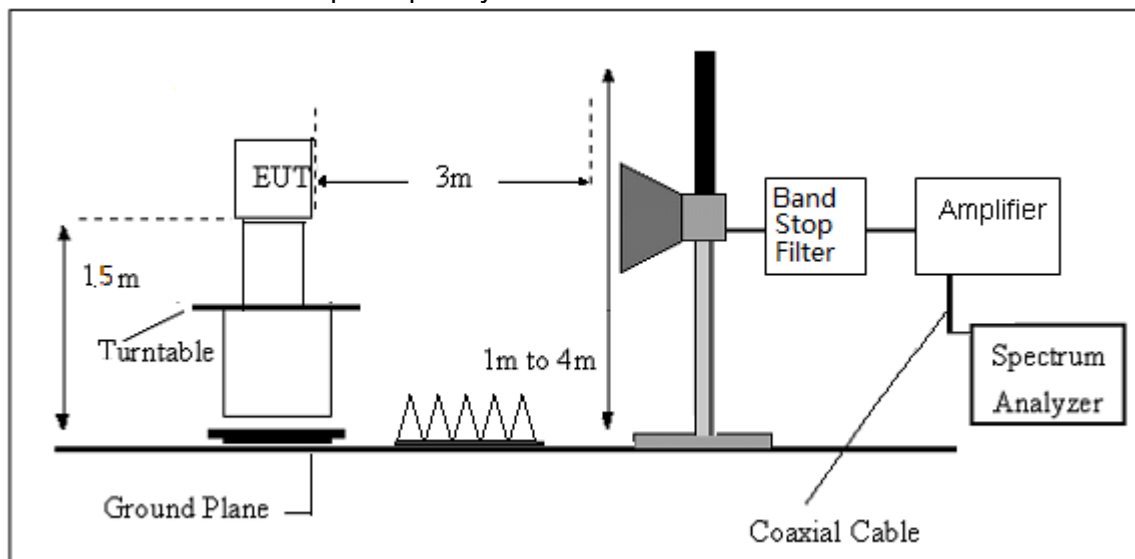
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



3.2.5 EUT OPERATING CONDITIONS

Please refer to section 3.1.4 of this report.



3.2.6 FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where

FS = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

For example

Frequency	FS	RA	AF	CL	AG	Factor
(MHz)	(dBμV/m)	(dBμV/m)	(dB)	(dB)	(dB)	(dB)
300	40	58.1	12.2	1.6	31.9	-18.1

$$\text{Factor} = \text{AF} + \text{CL} - \text{AG}$$

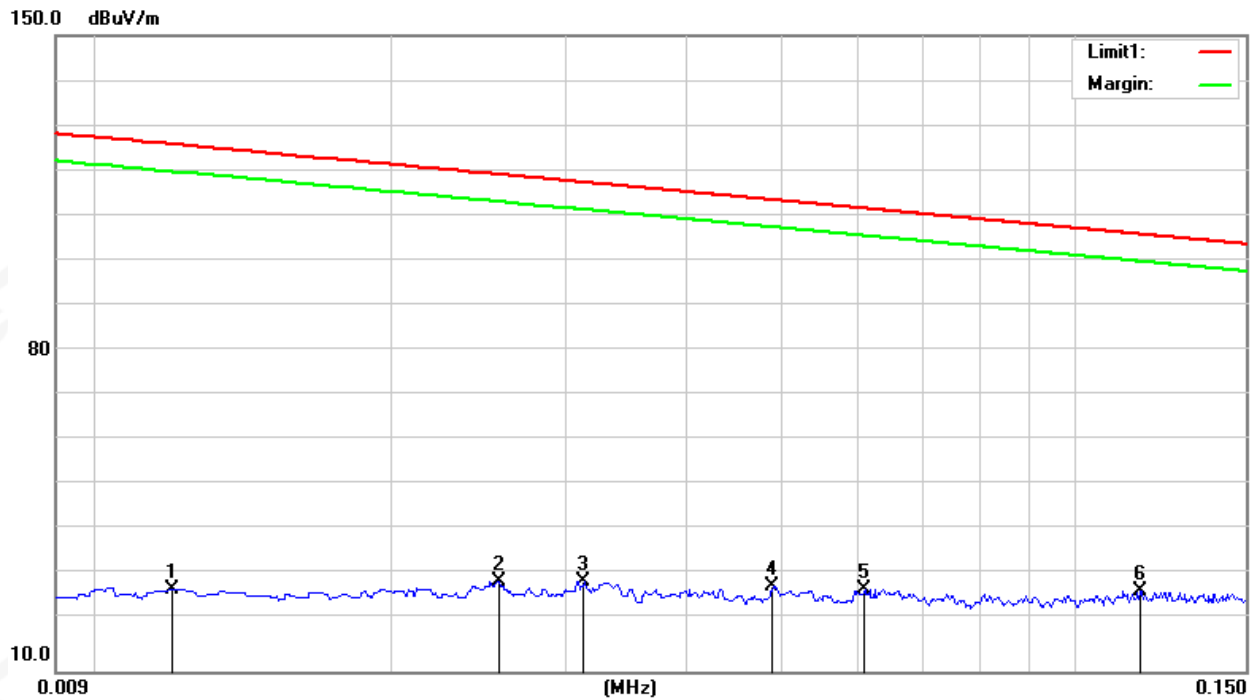


3.2.7 TEST RESULTS

9K-150K

Temperature:	23.4℃	Relative Humidity:	60%
Test Voltage:	DC 3.7V	Test Mode:	Mode 1/2/3/4/5/6/7/8/9(Mode 8 worst mode)

No.	Frequency (KHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0120	8.50	19.52	28.02	126.02	-98.00	peak
2	0.0257	9.88	19.99	29.87	119.41	-89.54	peak
3	0.0313	9.80	19.87	29.67	117.69	-88.02	peak
4	0.0490	9.12	19.52	28.64	113.80	-85.16	peak
5	0.0610	8.76	19.19	27.95	111.90	-83.95	peak
6	0.1170	10.16	17.57	27.73	106.24	-78.51	peak

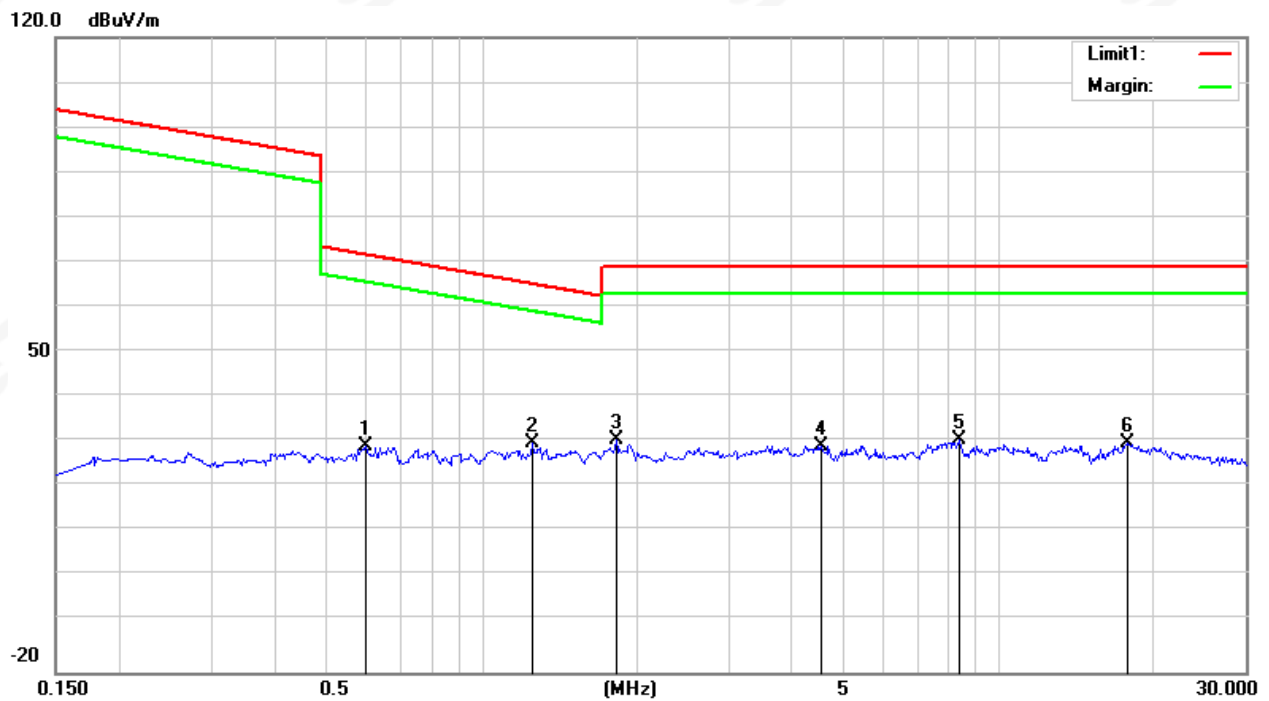




150K-30M

Temperature:	23.4°C	Relative Humidity:	60%
Test Voltage:	DC 3.7V	Test Mode:	Mode 1/2/3/4/5/6/7/8/9 (Mode 8 worst mode)

No.	Frequency (KHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.5977	9.67	20.24	29.91	72.07	-42.16	peak
2	1.2540	10.18	20.25	30.43	65.64	-35.21	peak
3	1.8216	11.00	20.36	31.36	69.50	-38.14	peak
4	4.5380	9.53	20.45	29.98	69.50	-39.52	peak
5	8.3886	10.89	20.30	31.19	69.50	-38.31	peak
6	17.7013	8.48	21.95	30.43	69.50	-39.07	peak





(30MHz-1000MHz)

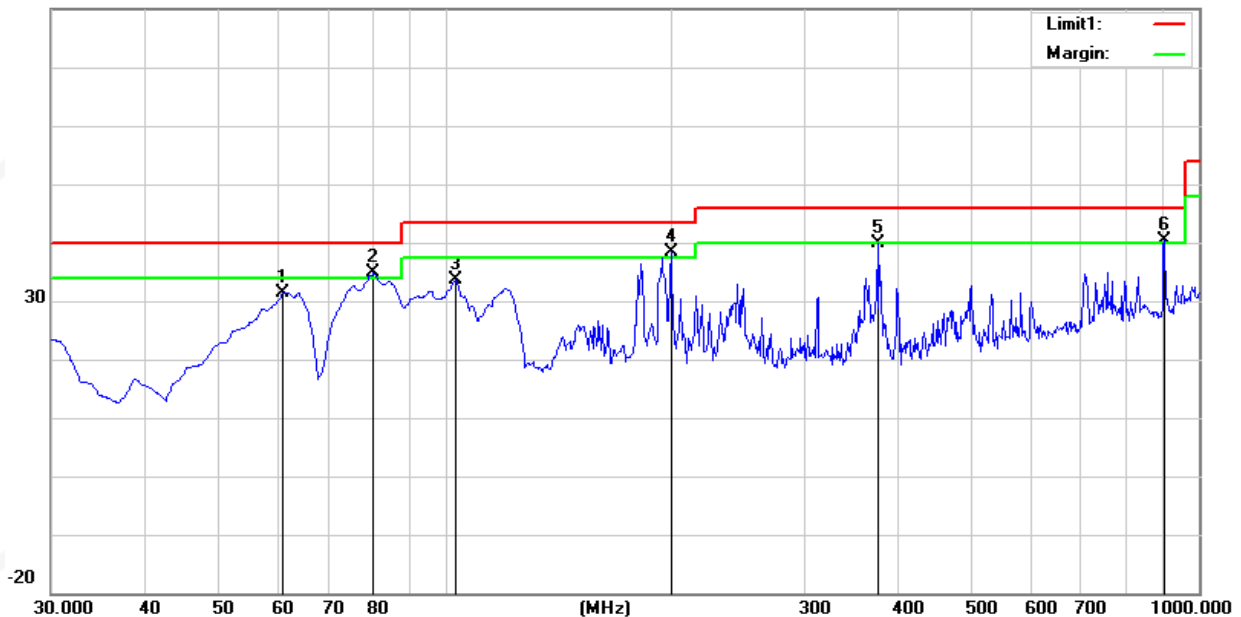
Temperature:	23.4℃	Relative Humidity:	60%
Test Voltage:	DC 3.7V	Phase:	Horizontal
Test Mode:	Mode 1/2/3/4/5/6/7/8/9(Mode 8 worst mode)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	61.0400	57.26	-25.80	31.46	40.00	-8.54	peak
2	80.4400	57.70	-22.93	34.77	40.00	-5.23	peak
3	103.7200	53.25	-19.73	33.52	43.50	-9.98	peak
4	199.7500	59.40	-21.11	38.29	43.50	-5.21	peak
5	375.3200	52.34	-12.37	39.97	46.00	-6.03	peak
6	901.0600	40.87	-0.43	40.44	46.00	-5.56	peak

Remark:

1. Margin = Result (Result =Reading + Factor)-Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain
3. All modes have been tested,only show the worst case.

80.0 dBuV/m



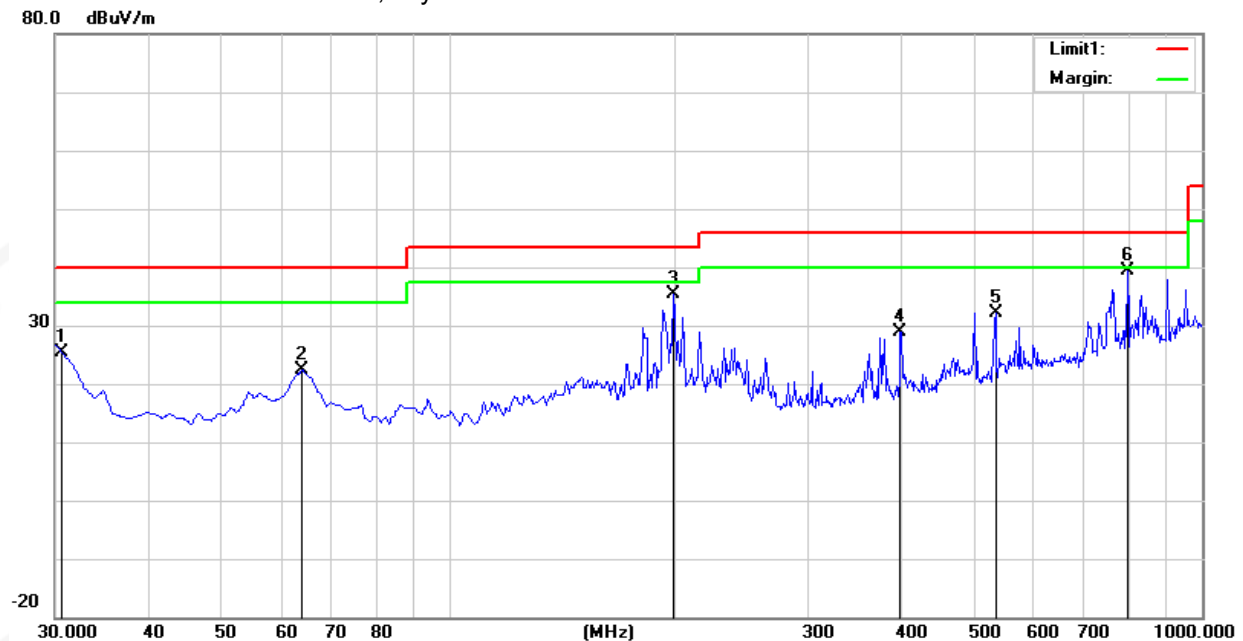


Temperature:	23.4°C	Relative Humidity:	60%
Test Voltage:	DC 3.7V	Phase:	Vertical
Test Mode:	Mode 1/2/3/4/5/6/7/8/9(Mode 8 worst mode)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.6380	38.66	-13.18	25.48	40.00	-14.52	peak
2	63.9500	47.99	-25.64	22.35	40.00	-17.65	peak
3	198.7800	56.42	-21.12	35.30	43.50	-8.20	peak
4	398.6000	40.13	-11.20	28.93	46.00	-17.07	peak
5	532.4600	39.40	-7.31	32.09	46.00	-13.91	peak
6	797.2700	41.50	-2.03	39.47	46.00	-6.53	peak

Remark:

4. $\text{Margin} = \text{Result} (\text{Result} = \text{Reading} + \text{Factor}) - \text{Limit}$
5. $\text{Factor} = \text{Antenna factor} + \text{Cable attenuation factor} (\text{cable loss}) - \text{Amplifier gain}$
6. All modes have been tested, only show the worst case.

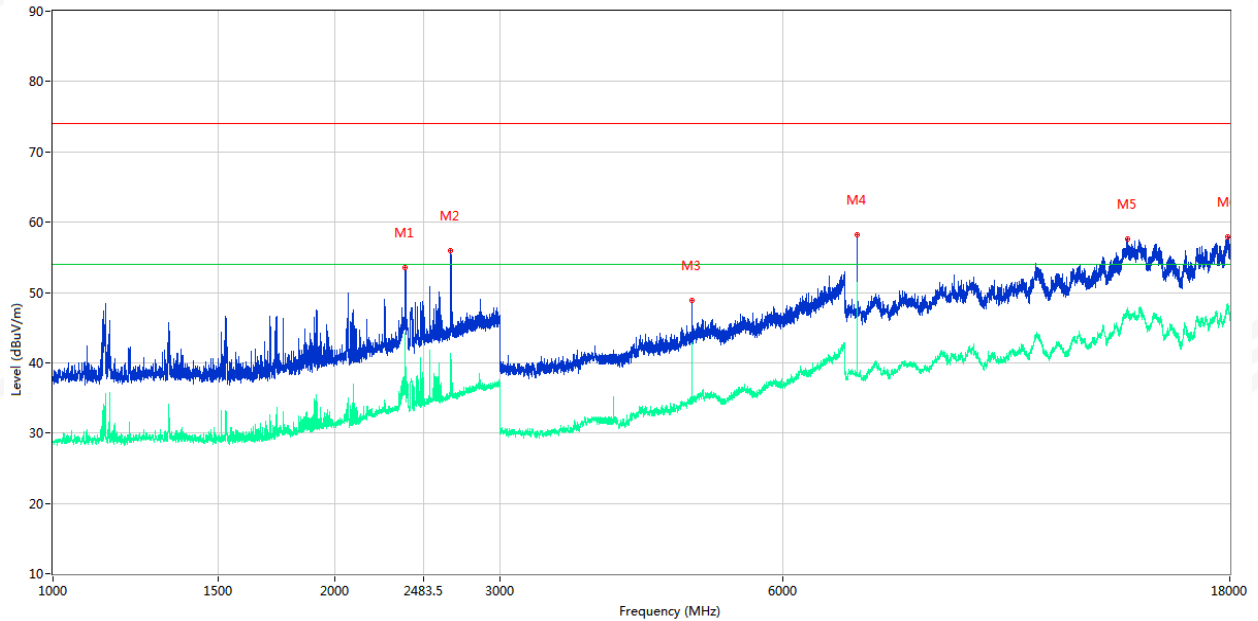




(1GHz~25GHz) Spurious emission Requirements

Low Channel
Horizontal

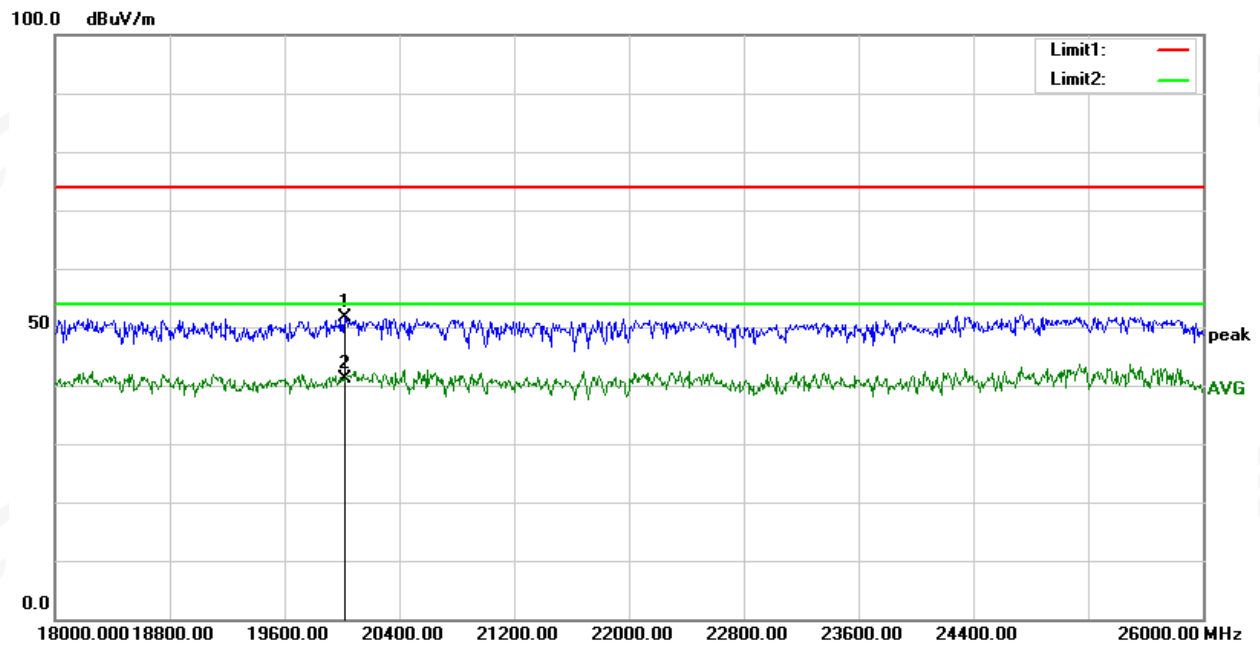
RE_FCC Test Case_FCC 15C-IC-RSS 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2376.000	53.53	2.92	74.0	-20.47	Peak	230.80	Horizontal	Pass
1**	2376.000	44.21	2.92	54.0	-9.79	AV	230.80	Horizontal	Pass
2	2657.500	55.94	3.98	74.0	-18.06	Peak	122.70	Horizontal	Pass
2**	2657.500	41.29	3.98	54.0	-12.71	AV	122.70	Horizontal	Pass
3	4804.000	48.82	-7.11	74.0	-25.18	Peak	28.40	Horizontal	Pass
3**	4804.000	42.77	-7.11	54.0	-11.23	AV	28.40	Horizontal	Pass
4	7203.500	58.19	-1.90	74.0	-15.81	Peak	173.90	Horizontal	Pass
4**	7203.500	51.47	-1.90	54.0	-2.53	AV	173.90	Horizontal	Pass
5	13998.750	57.54	8.43	74.0	-16.46	Peak	261.30	Horizontal	Pass
5**	13998.750	47.75	8.43	54.0	-6.25	AV	261.30	Horizontal	Pass
6	17917.499	57.87	7.11	74.0	-16.13	Peak	41.70	Horizontal	Pass
6**	17917.499	47.96	7.11	54.0	-6.04	AV	41.70	Horizontal	Pass



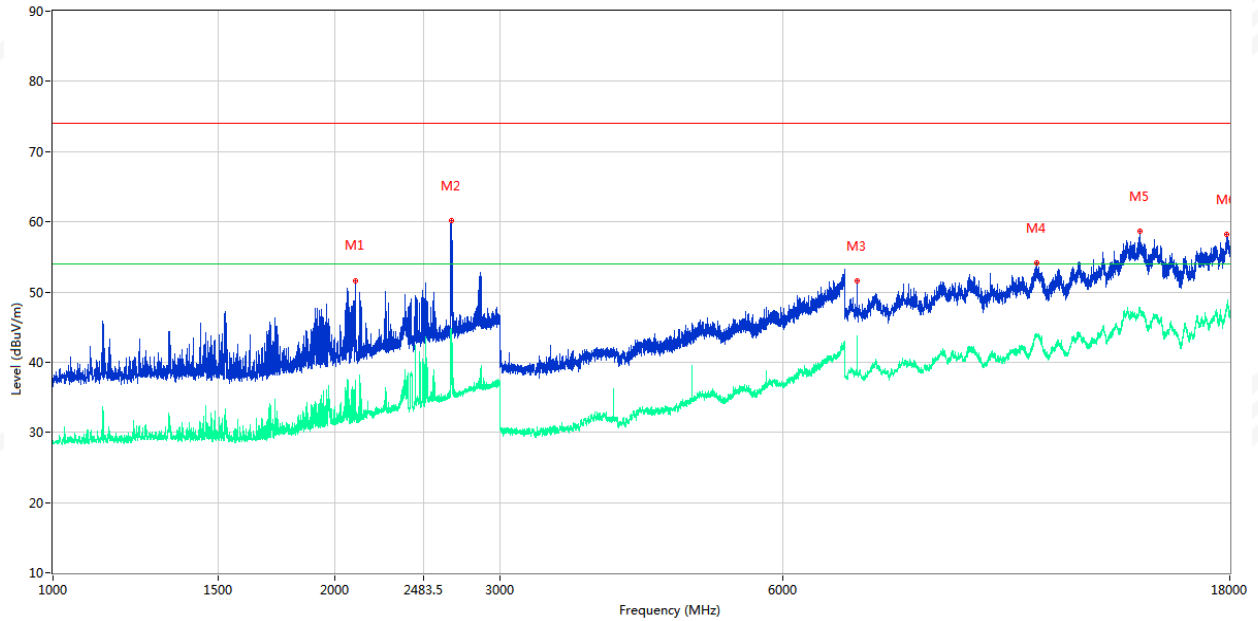
18GHz-26Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/ m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20016.000	49.74	1.81	51.55	74.00	-22.45	peak
2	20016.000	39.41	1.81	41.22	54.00	-12.78	AVG

Vertical
1GHz-18GHz

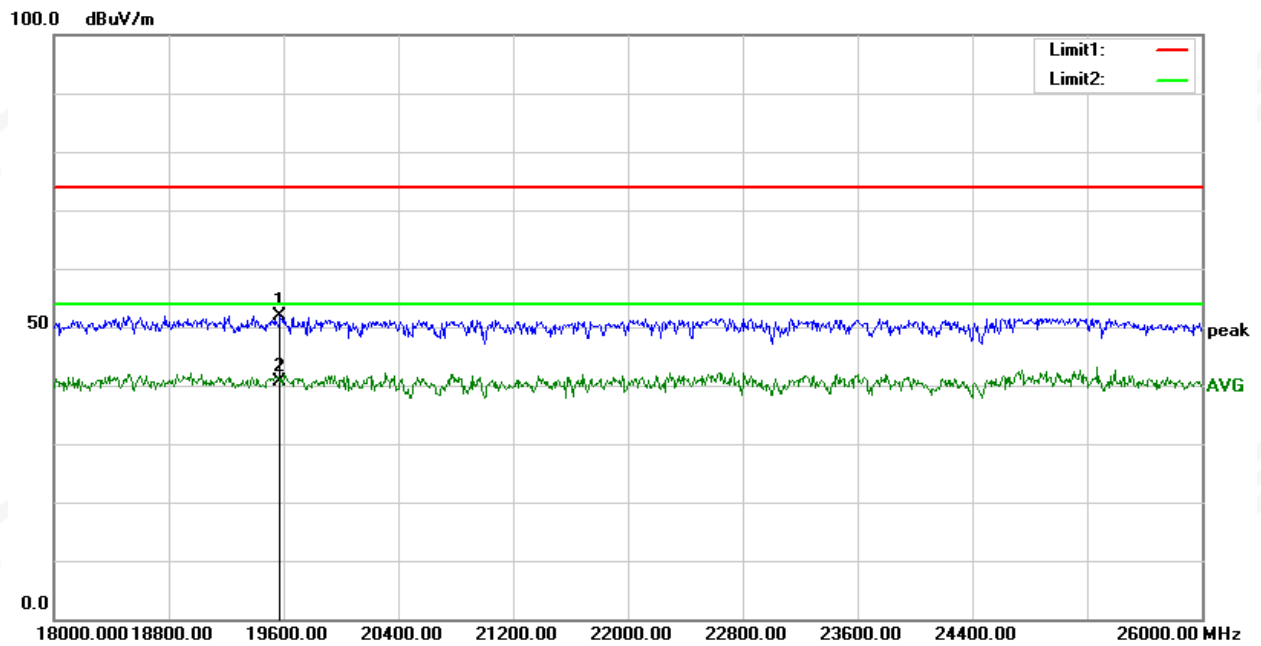
RE_FCC Test Case_FCC 15C-IC-RSS 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2099.500	51.63	0.87	74.0	-22.37	Peak	102.80	Vertical	Pass
1**	2099.500	37.43	0.87	54.0	-16.57	AV	102.80	Vertical	Pass
2	2658.500	60.15	3.98	74.0	-13.85	Peak	89.40	Vertical	Pass
2**	2658.500	44.59	3.98	54.0	-9.41	AV	89.40	Vertical	Pass
3	7203.500	51.61	-1.90	74.0	-22.39	Peak	0.20	Vertical	Pass
3**	7203.500	43.70	-1.90	54.0	-10.30	AV	0.20	Vertical	Pass
4	11191.000	54.16	2.57	74.0	-19.84	Peak	168.40	Vertical	Pass
4**	11191.000	44.05	2.57	54.0	-9.95	AV	168.40	Vertical	Pass
5	14433.250	58.68	6.75	74.0	-15.32	Peak	214.50	Vertical	Pass
5**	14433.250	47.83	6.75	54.0	-6.17	AV	214.50	Vertical	Pass
6	17873.500	58.21	7.01	74.0	-15.79	Peak	192.50	Vertical	Pass
6**	17873.500	48.06	7.01	54.0	-5.94	AV	192.50	Vertical	Pass



18GHz-26Hz

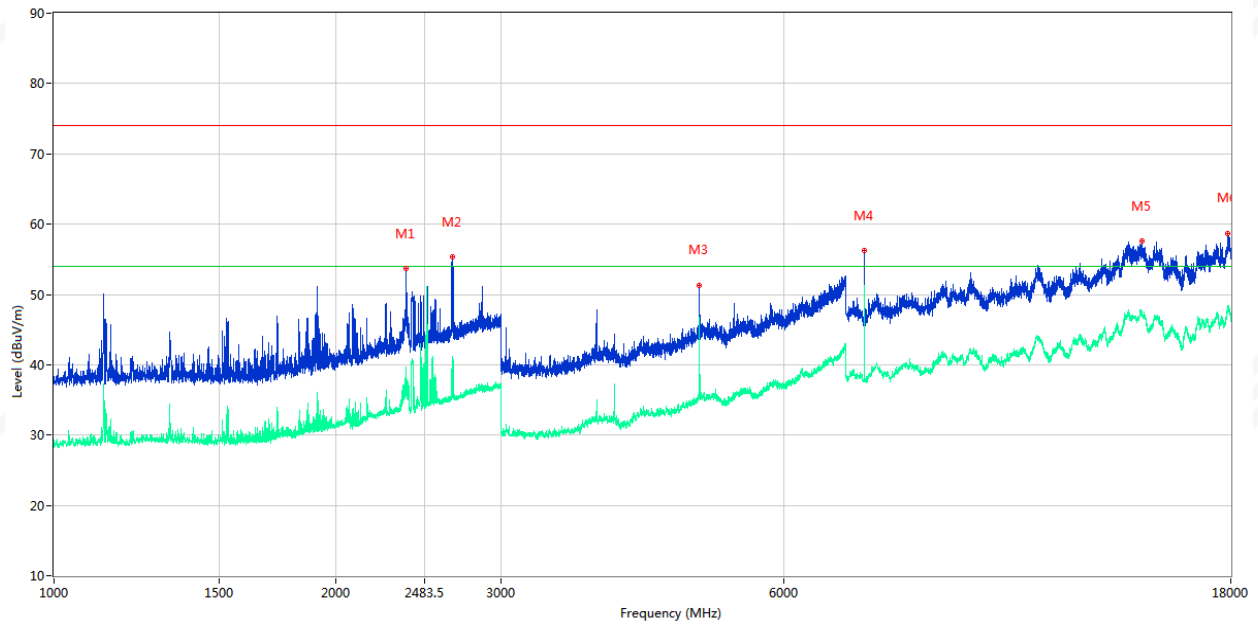


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19576.000	50.47	1.52	51.99	74.00	-22.01	peak
2	19576.000	39.00	1.52	40.52	54.00	-13.48	AVG



Mid Channel
Horizontal
1GHz-18GHz

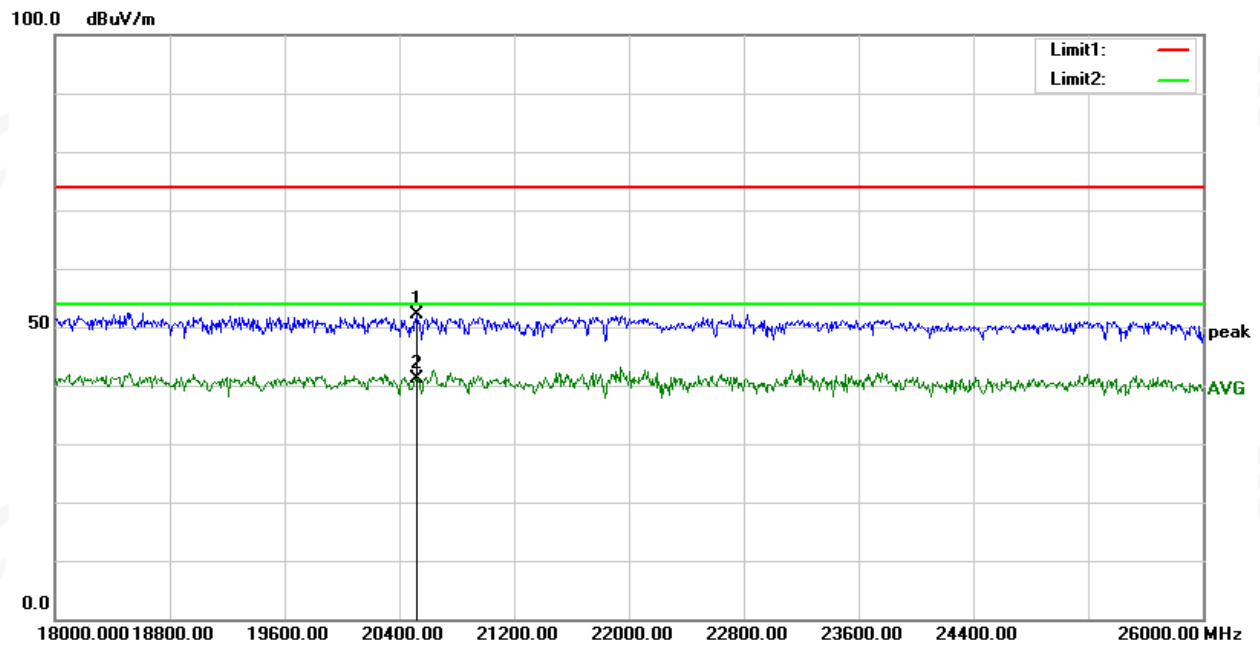
RE_FCC Test Case_FCC 15C-IC-RSS 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2377.000	53.67	2.93	74.0	-20.33	Peak	328.70	Horizontal	Pass
1**	2377.000	39.37	2.93	54.0	-14.63	AV	328.70	Horizontal	Pass
2	2658.500	55.29	3.98	74.0	-18.71	Peak	127.90	Horizontal	Pass
2**	2658.500	40.94	3.98	54.0	-13.06	AV	127.90	Horizontal	Pass
3	4882.000	51.35	-6.26	74.0	-22.65	Peak	164.60	Horizontal	Pass
3**	4882.000	46.72	-6.26	54.0	-7.28	AV	164.60	Horizontal	Pass
4	7321.750	56.29	-2.06	74.0	-17.71	Peak	169.90	Horizontal	Pass
4**	7321.750	51.28	-2.06	54.0	-2.72	AV	169.90	Horizontal	Pass
5	14477.250	57.58	6.44	74.0	-16.42	Peak	350.90	Horizontal	Pass
5**	14477.250	47.17	6.44	54.0	-6.83	AV	350.90	Horizontal	Pass
6	17881.750	58.72	7.08	74.0	-15.28	Peak	29.70	Horizontal	Pass
6**	17881.750	47.98	7.08	54.0	-6.02	AV	29.70	Horizontal	Pass



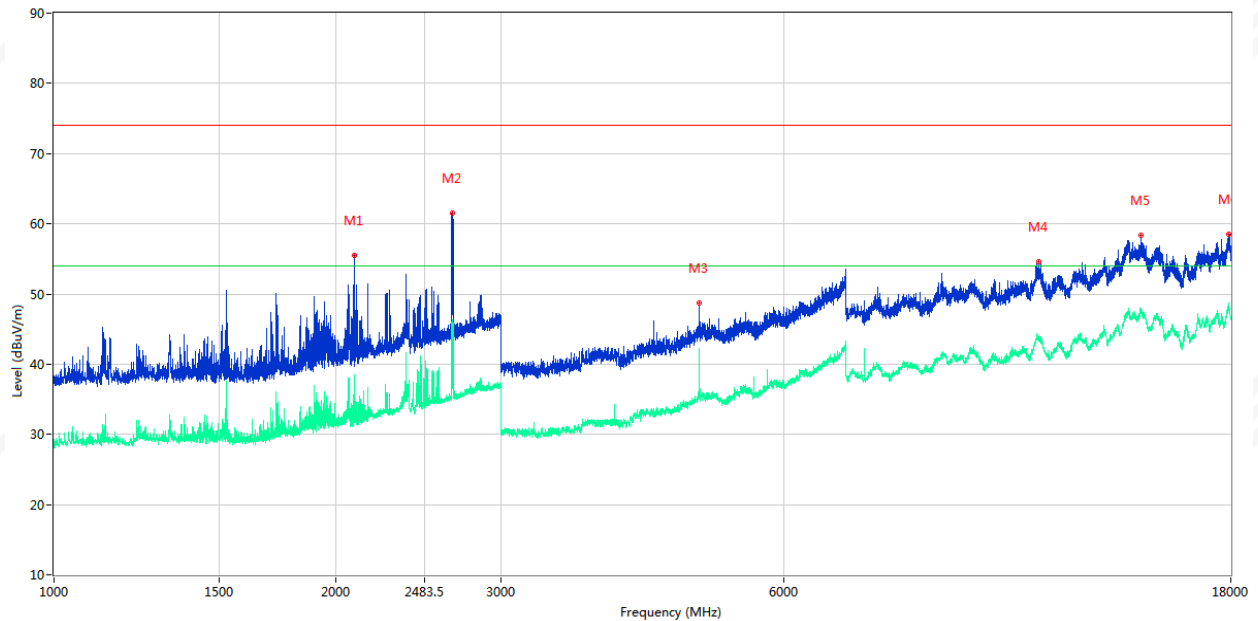
18GHz-26Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20520.000	49.85	2.24	52.09	74.00	-21.91	peak
2	20520.000	38.87	2.24	41.11	54.00	-12.89	AVG

Vertical
1GHz-18GHz

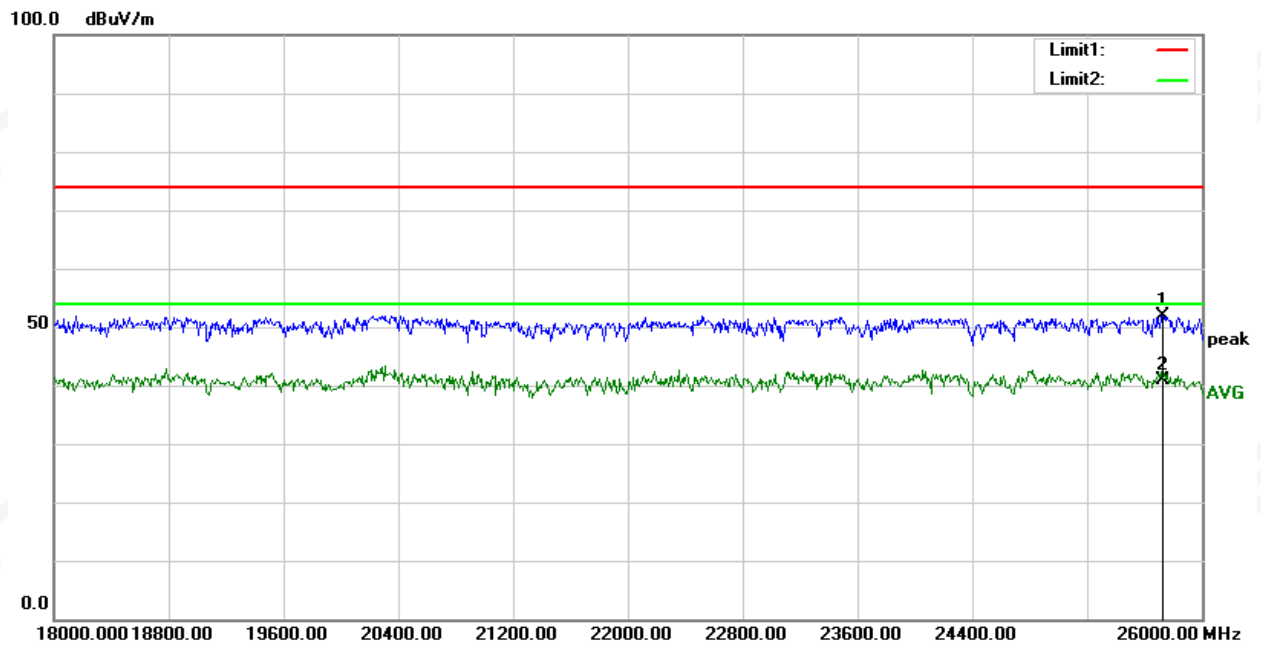
RE_FCC Test Case_FCC 15C-IC-RSS 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2089.000	55.51	0.86	74.0	-18.49	Peak	101.80	Vertical	Pass
1**	2089.000	38.44	0.86	54.0	-15.56	AV	101.80	Vertical	Pass
2	2660.500	61.54	3.98	74.0	-12.46	Peak	91.00	Vertical	Pass
2**	2660.500	46.36	3.98	54.0	-7.64	AV	91.00	Vertical	Pass
3	4882.000	48.65	-6.26	74.0	-25.35	Peak	232.20	Vertical	Pass
3**	4882.000	42.26	-6.26	54.0	-11.74	AV	232.20	Vertical	Pass
4	11232.250	54.62	2.51	74.0	-19.38	Peak	156.10	Vertical	Pass
4**	11232.250	44.09	2.51	54.0	-9.91	AV	156.10	Vertical	Pass
5	14436.000	58.39	6.73	74.0	-15.61	Peak	140.10	Vertical	Pass
5**	14436.000	47.91	6.73	54.0	-6.09	AV	140.10	Vertical	Pass
6	17906.500	58.47	7.19	74.0	-15.53	Peak	214.50	Vertical	Pass
6**	17906.500	48.16	7.19	54.0	-5.84	AV	214.50	Vertical	Pass



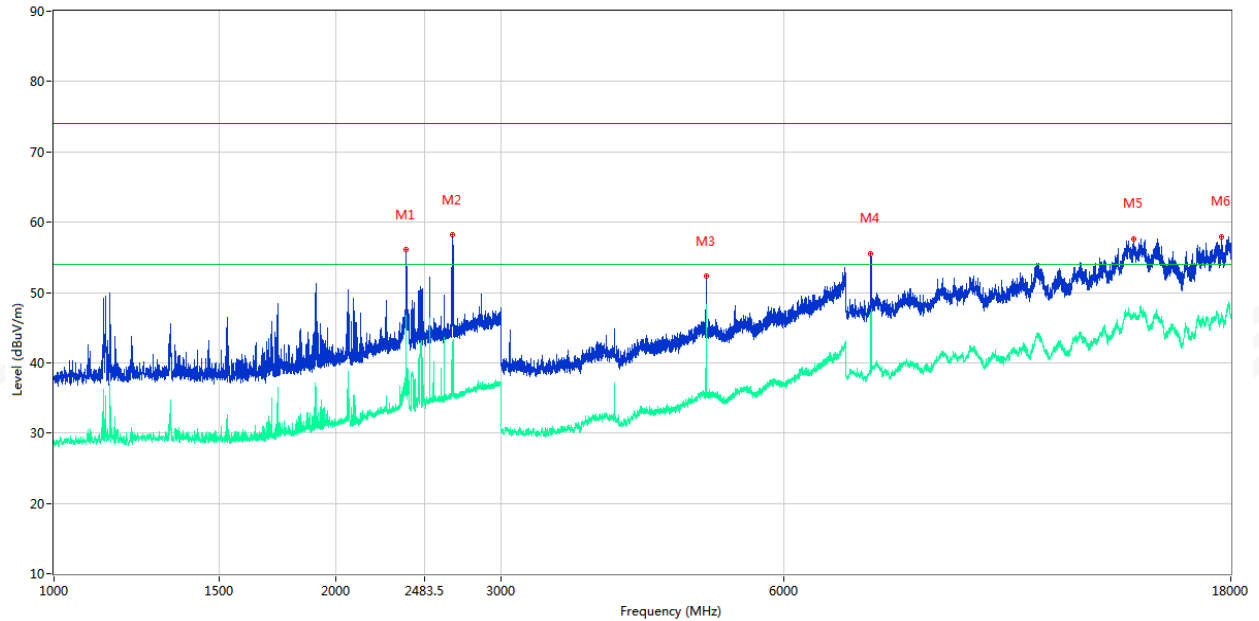
18GHz-26Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	25728.000	46.17	5.71	51.88	74.00	-22.12	peak
2	25728.000	35.26	5.71	40.97	54.00	-13.03	AVG

High Channel
Horizontal
1GHz-18GHz

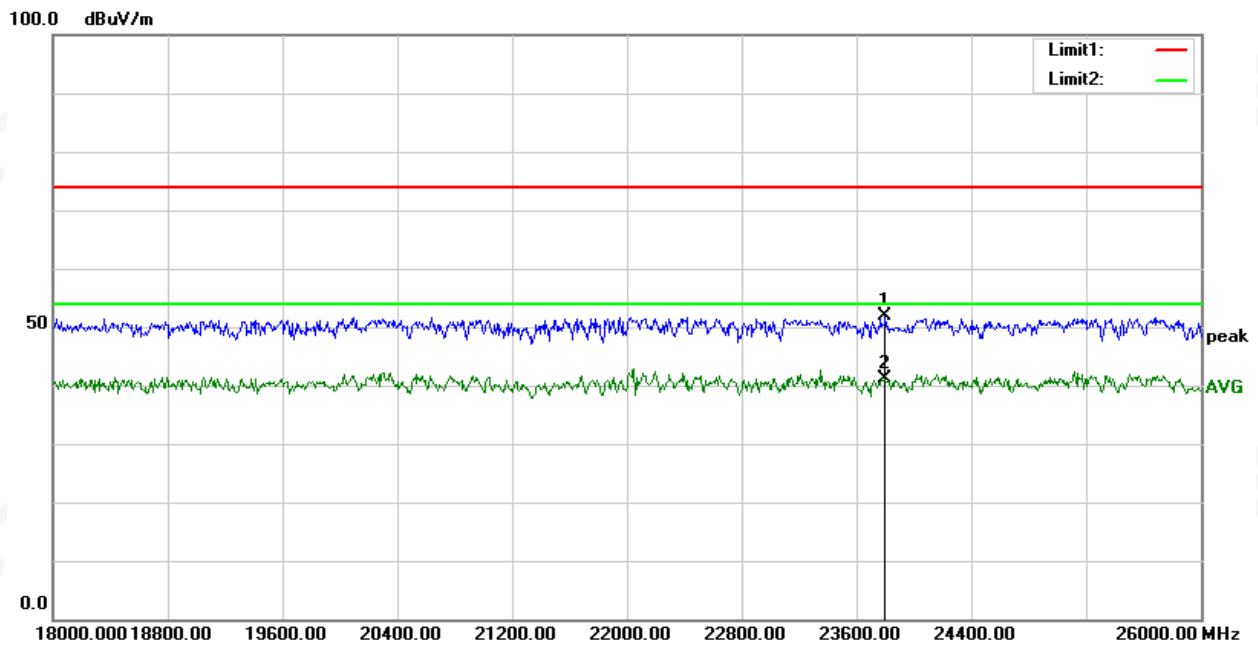
RE_FCC Test Case_FCC 15C-IC-RSS 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2376.500	55.09	2.93	74.0	-18.91	Peak	341.40	Horizontal	Pass
1**	2376.500	45.79	2.93	54.0	-8.21	AV	341.40	Horizontal	Pass
2	2664.000	58.15	3.98	74.0	-15.85	Peak	127.60	Horizontal	Pass
2**	2664.000	42.82	3.98	54.0	-11.18	AV	127.60	Horizontal	Pass
3	4960.000	52.38	-5.99	74.0	-21.62	Peak	201.80	Horizontal	Pass
3**	4960.000	48.22	-5.99	54.0	-5.78	AV	201.80	Horizontal	Pass
4	7437.250	55.56	-1.53	74.0	-18.44	Peak	162.70	Horizontal	Pass
4**	7437.250	46.53	-1.53	54.0	-7.47	AV	162.70	Horizontal	Pass
5	14183.000	57.67	6.94	74.0	-16.33	Peak	313.40	Horizontal	Pass
5**	14183.000	46.99	6.94	54.0	-7.01	AV	313.40	Horizontal	Pass
6	17609.501	57.98	6.55	74.0	-16.02	Peak	253.10	Horizontal	Pass
6**	17609.501	46.87	6.55	54.0	-7.13	AV	253.10	Horizontal	Pass



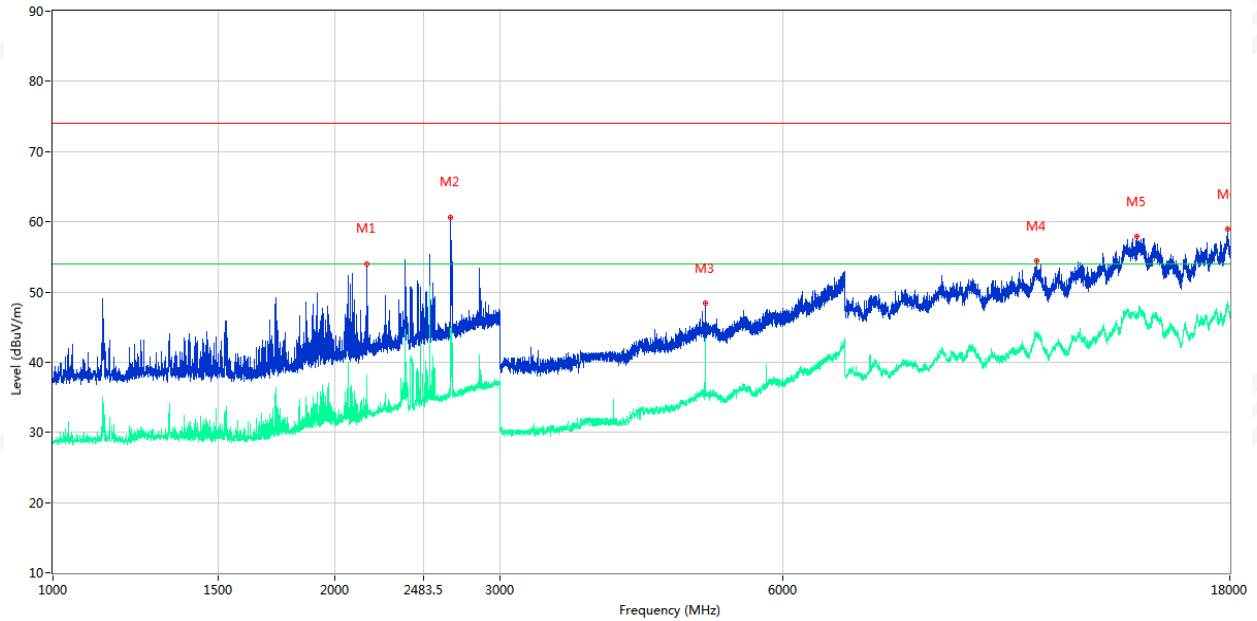
18GHz-26Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	23800.000	47.51	4.43	51.94	74.00	-22.06	peak
2	23800.000	36.71	4.43	41.14	54.00	-12.86	AVG

Vertical
1GHz-18GHz

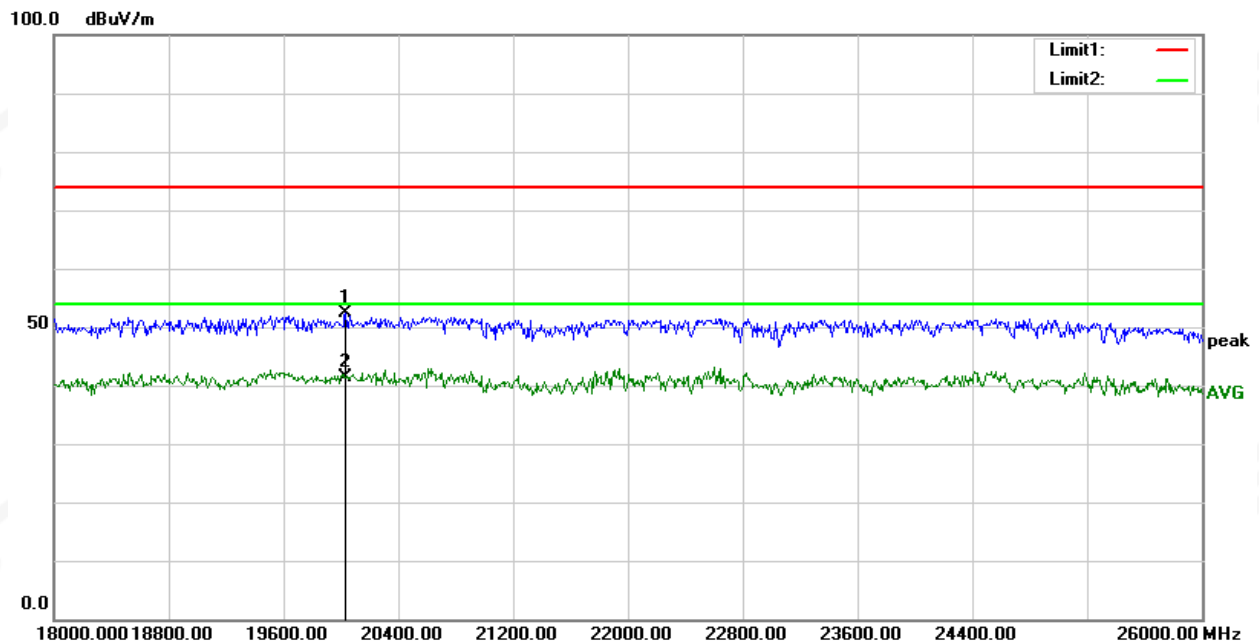
RE_FCC Test Case_FCC 15C-IC-RSS 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Antenna	Verdict
1	2162.000	54.04	1.78	74.0	-19.96	Peak	99.90	Vertical	Pass
1**	2162.000	38.12	1.78	54.0	-15.88	AV	99.90	Vertical	Pass
2	2657.500	60.69	3.98	74.0	-13.31	Peak	95.80	Vertical	Pass
2**	2657.500	44.76	3.98	54.0	-9.24	AV	95.80	Vertical	Pass
3	4960.000	48.45	-5.99	74.0	-25.55	Peak	234.10	Vertical	Pass
3**	4960.000	43.46	-5.99	54.0	-10.54	AV	234.10	Vertical	Pass
4	11193.750	54.44	2.59	74.0	-19.56	Peak	201.50	Vertical	Pass
4**	11193.750	43.59	2.59	54.0	-10.41	AV	201.50	Vertical	Pass
5	14312.250	57.90	6.89	74.0	-16.10	Peak	110.70	Vertical	Pass
5**	14312.250	46.82	6.89	54.0	-7.18	AV	110.70	Vertical	Pass
6	17914.751	58.93	7.13	74.0	-15.07	Peak	5.10	Vertical	Pass
6**	17914.751	48.30	7.13	54.0	-5.70	AV	5.10	Vertical	Pass



18GHz-26Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20032.000	50.57	1.83	52.40	74.00	-21.60	peak
2	20032.000	39.63	1.83	41.46	54.00	-12.54	AVG

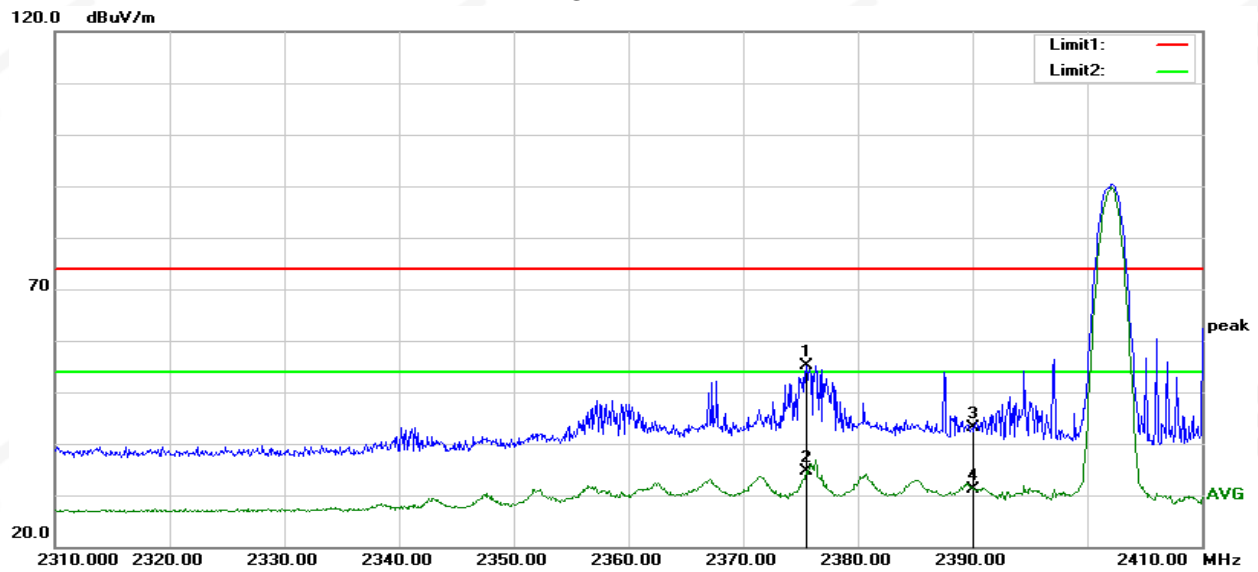
Note:

- 1) All modes have been measured, only worst mode was reported.
- 2) Factor = Antenna Factor + Cable Loss – Pre-amplifier.
Emission Level = Reading + Factor
- 3) The frequency emission of peak points that did not show above the forms are at least 20dB below the limit, the frequency emission is mainly from the environment noise.



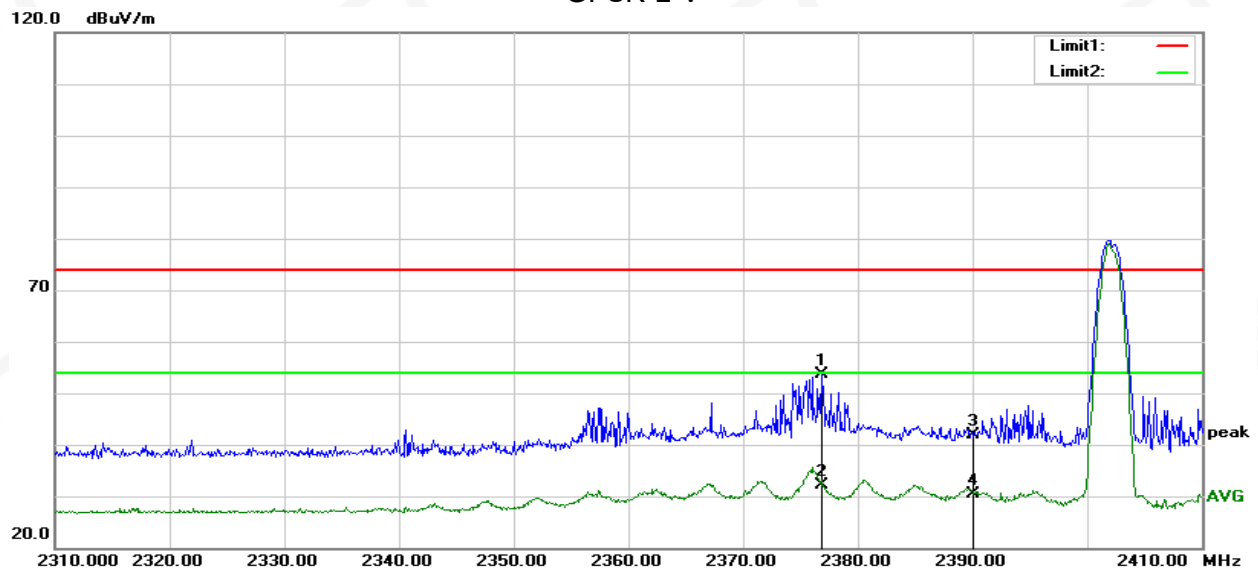
Restricted band Requirements

GFSK-L-H



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2375.500	54.31	0.70	55.01	74.00	-18.99	peak
2	2375.500	33.86	0.70	34.56	54.00	-19.44	AVG
3	2390.000	42.30	0.81	43.11	74.00	-30.89	peak
4	2390.000	30.41	0.81	31.22	54.00	-22.78	AVG

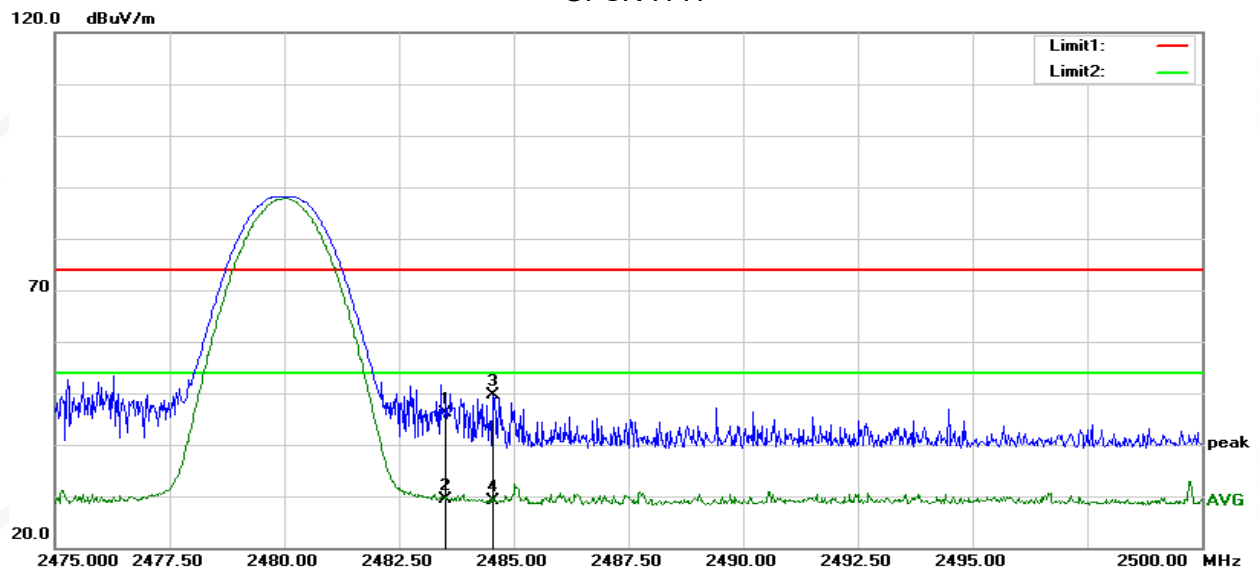
GFSK-L-V



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2376.800	52.99	0.71	53.70	74.00	-20.30	peak
2	2376.800	31.51	0.71	32.22	54.00	-21.78	AVG
3	2390.000	41.06	0.81	41.87	74.00	-32.13	peak
4	2390.000	29.65	0.81	30.46	54.00	-23.54	AVG

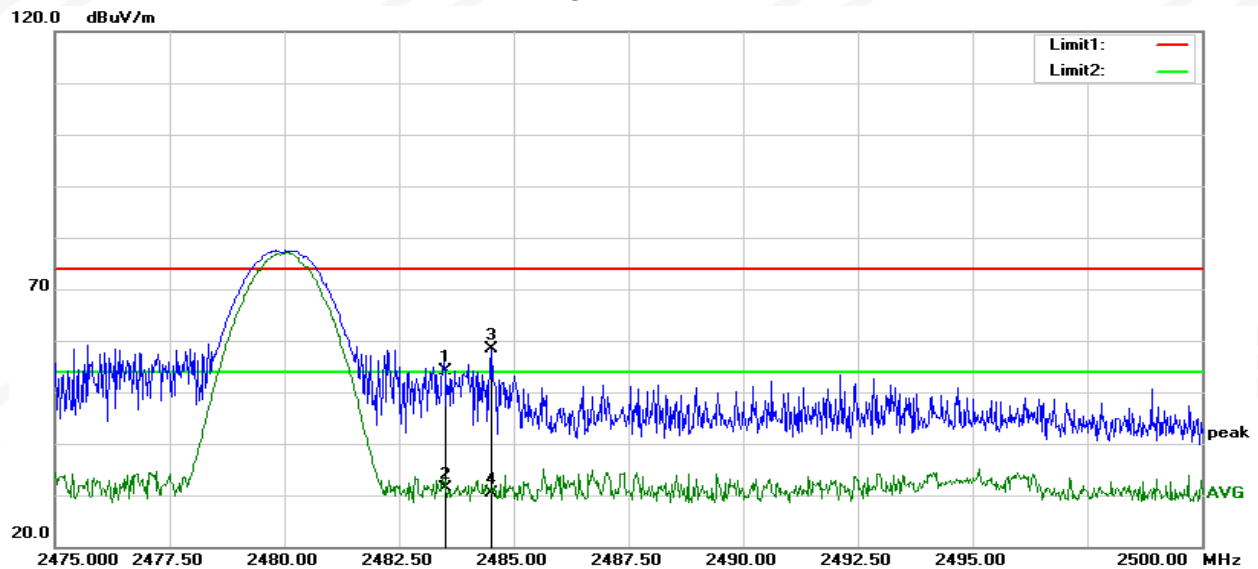


GFSK-H-H

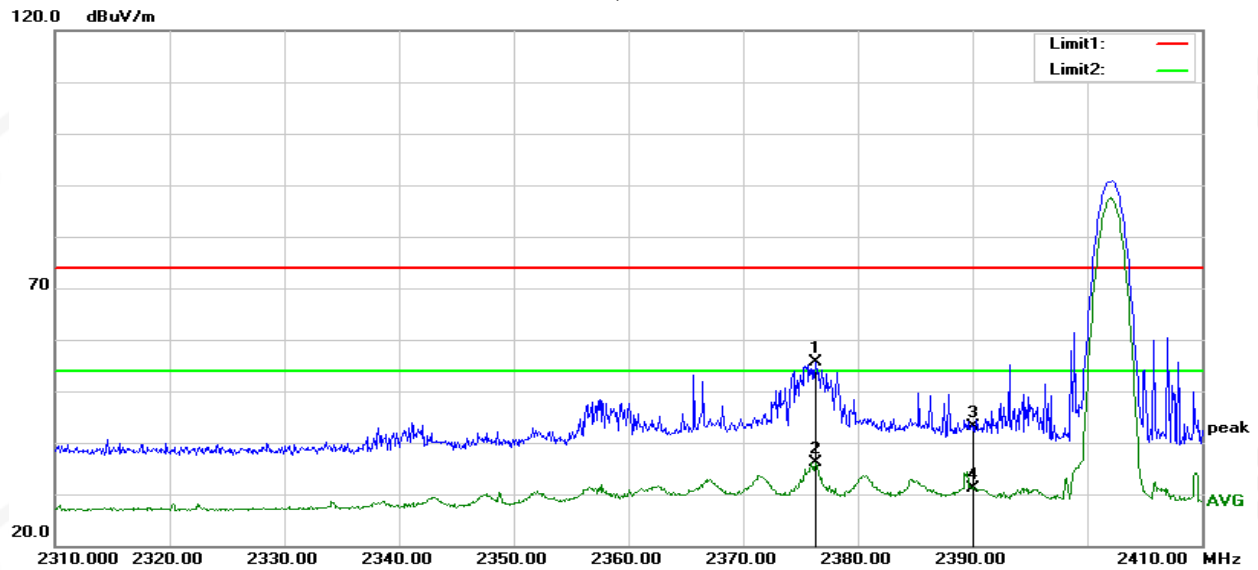


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	45.10	1.02	46.12	74.00	-27.88	peak
2	2483.500	28.39	1.02	29.41	54.00	-24.59	AVG
3	2484.550	48.60	1.03	49.63	74.00	-24.37	peak
4	2484.550	28.06	1.03	29.09	54.00	-24.91	AVG

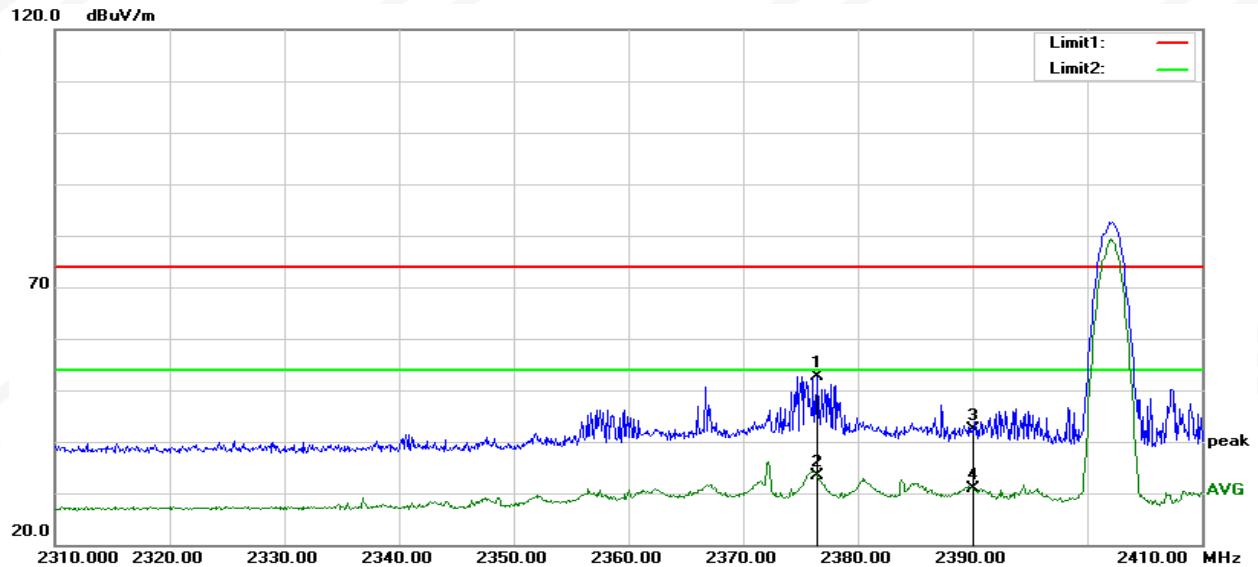
GFSK-H-V



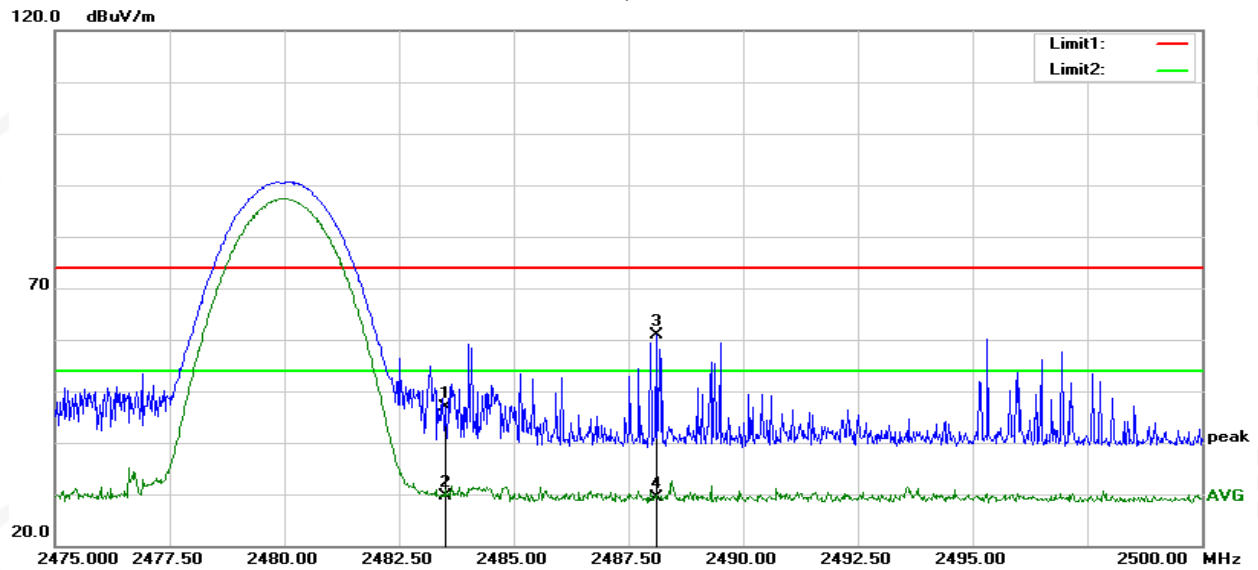
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	53.09	1.02	54.11	74.00	-19.89	peak
2	2483.500	30.28	1.02	31.30	54.00	-22.70	AVG
3	2484.525	57.31	1.03	58.34	74.00	-15.66	peak
4	2484.525	29.36	1.03	30.39	54.00	-23.61	AVG

 $\pi/4$ -DQPSK -L-H

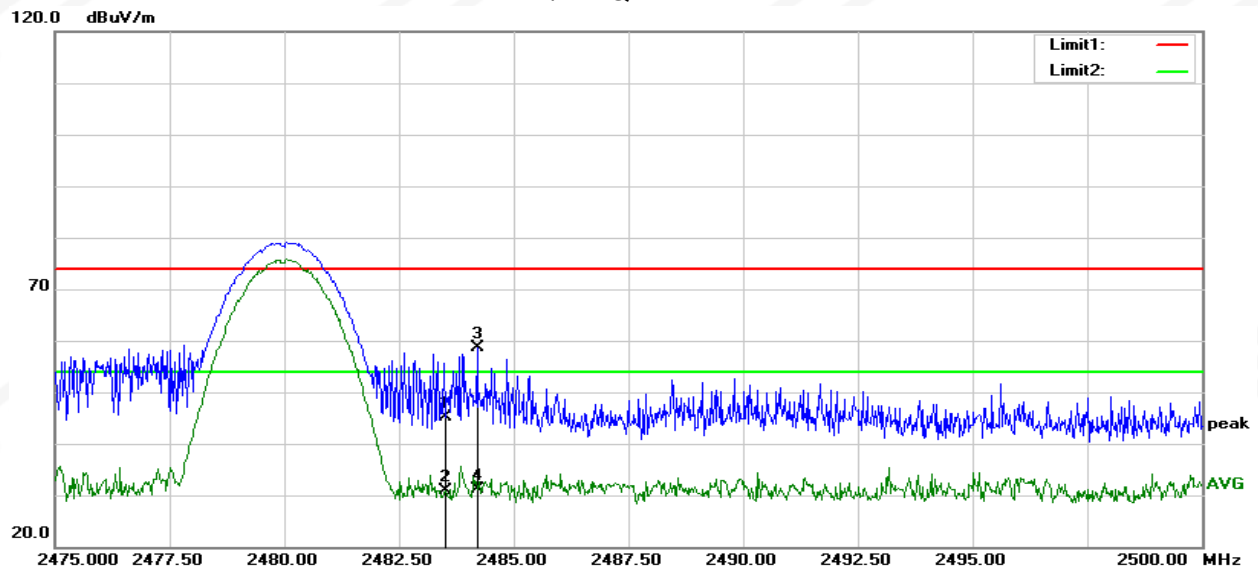
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2376.300	54.80	0.71	55.51	74.00	-18.49	peak
2	2376.300	35.38	0.71	36.09	54.00	-17.91	AVG
3	2390.000	42.29	0.81	43.10	74.00	-30.90	peak
4	2390.000	30.20	0.81	31.01	54.00	-22.99	AVG

 $\pi/4$ -DQPSK-L-V

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2376.500	52.02	0.71	52.73	74.00	-21.27	peak
2	2376.500	32.59	0.71	33.30	54.00	-20.70	AVG
3	2390.000	41.68	0.81	42.49	74.00	-31.51	peak
4	2390.000	30.14	0.81	30.95	54.00	-23.05	AVG

 $\pi/4$ -DQPSK-H-H

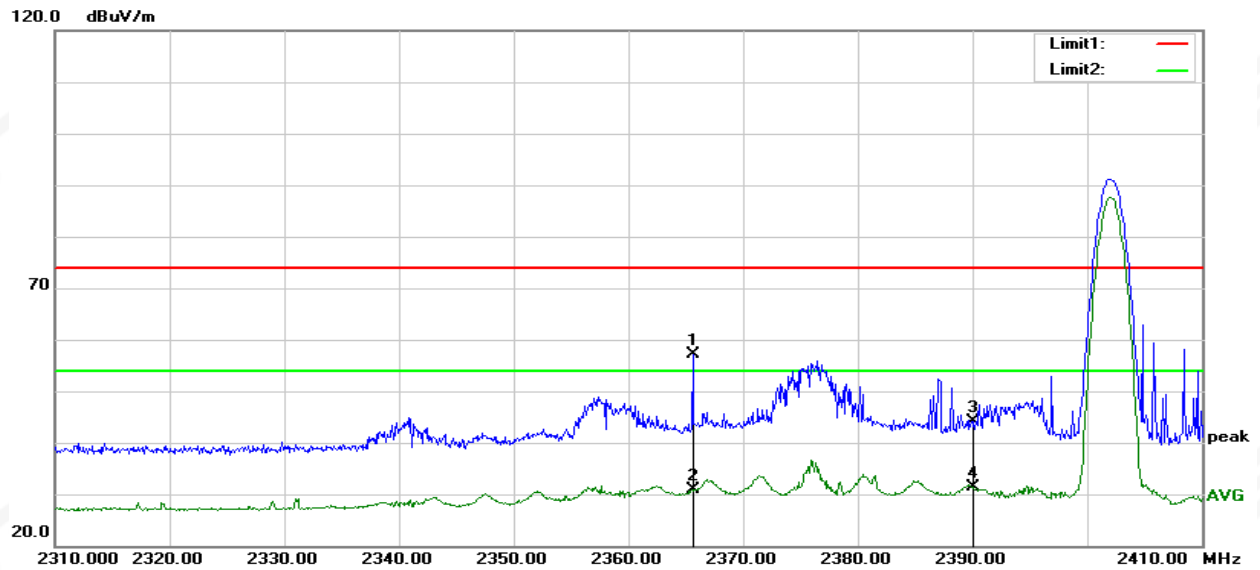
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	45.91	1.02	46.93	74.00	-27.07	peak
2	2483.500	28.69	1.02	29.71	54.00	-24.29	AVG
3	2488.100	59.89	1.03	60.92	74.00	-13.08	peak
4	2488.100	28.32	1.03	29.35	54.00	-24.65	AVG

 $\pi/4$ -DQPSK-H-V

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	44.22	1.02	45.24	74.00	-28.76	peak
2	2483.500	29.86	1.02	30.88	54.00	-23.12	AVG
3	2484.200	57.61	1.03	58.64	74.00	-15.36	peak
4	2484.200	30.16	1.03	31.19	54.00	-22.81	AVG

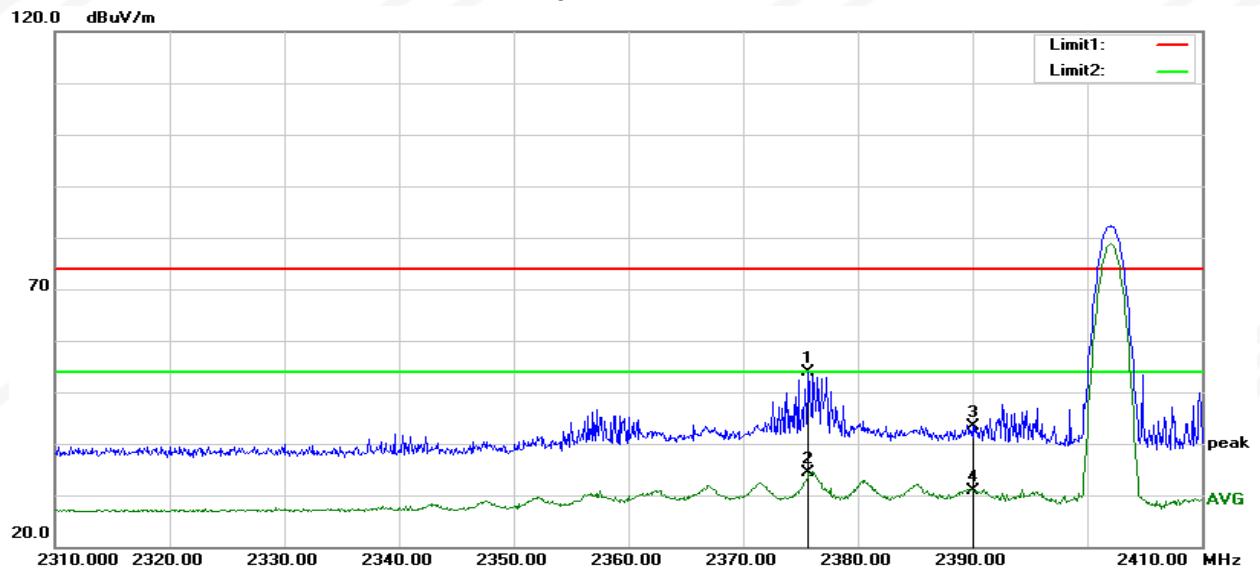


8DPSK -L-H



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2365.600	56.50	0.63	57.13	74.00	-16.87	peak
2	2365.600	30.26	0.63	30.89	54.00	-23.11	AVG
3	2390.000	43.21	0.81	44.02	74.00	-29.98	peak
4	2390.000	30.48	0.81	31.29	54.00	-22.71	AVG

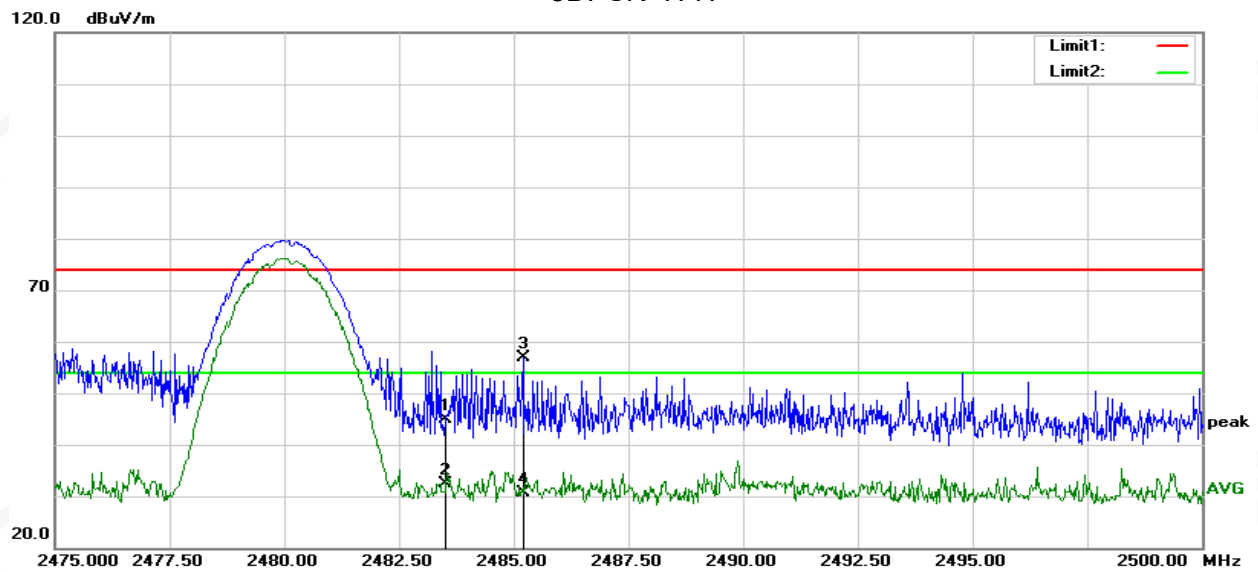
8DPSK -L-V



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2375.700	53.17	0.71	53.88	74.00	-20.12	peak
2	2375.700	33.73	0.71	34.44	54.00	-19.56	AVG
3	2390.000	42.52	0.81	43.33	74.00	-30.67	peak
4	2390.000	30.09	0.81	30.90	54.00	-23.10	AVG

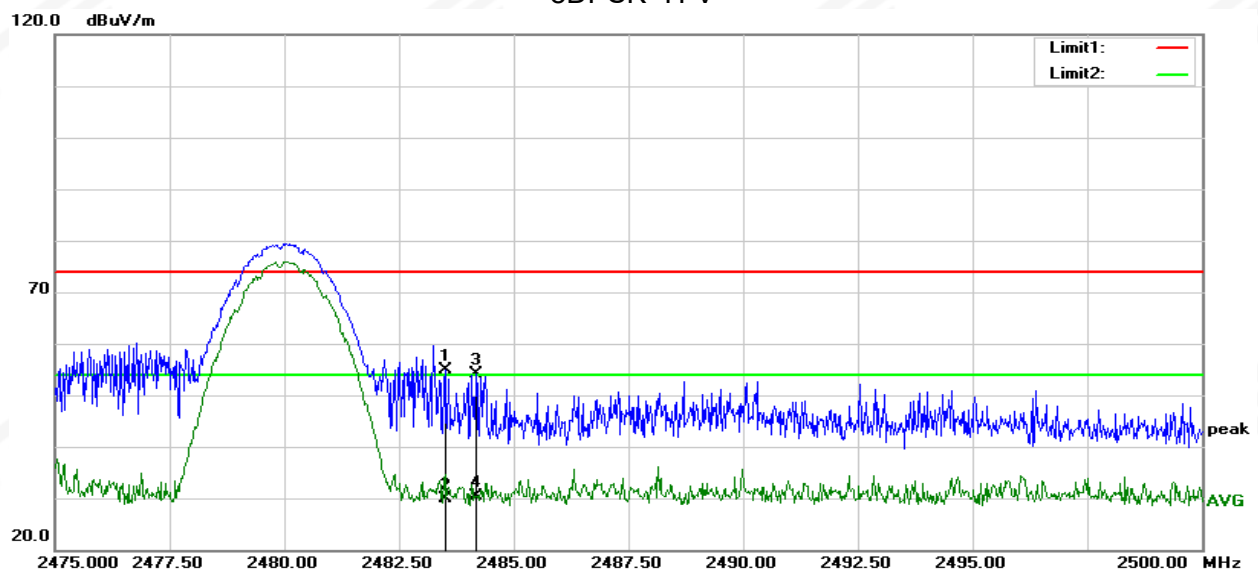


8DPSK -H-H



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	43.82	1.02	44.84	74.00	-29.16	peak
2	2483.500	31.26	1.02	32.28	54.00	-21.72	AVG
3	2485.200	55.93	1.03	56.96	74.00	-17.04	peak
4	2485.200	29.67	1.03	30.70	54.00	-23.30	AVG

8DPSK -H-V



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	53.91	1.02	54.93	74.00	-19.07	peak
2	2483.500	28.79	1.02	29.81	54.00	-24.19	AVG
3	2484.175	53.00	1.03	54.03	74.00	-19.97	peak
4	2484.175	29.44	1.03	30.47	54.00	-23.53	AVG

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. All modes have been measurement, only worst mode was reported.



4. CONDUCTED SPURIOUS & BAND EDGE EMISSION

4.1 LIMIT

According to FCC section 15.247(d), in any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

4.2 TEST PROCEDURE

Spectrum Parameter	Setting
Detector	Peak
Start/Stop Frequency	30 MHz to 10th carrier harmonic
RB / VB (emission in restricted band)	100 KHz/300 KHz
Trace-Mode:	Max hold

For Band edge

Spectrum Parameter	Setting
Detector	Peak
RB / VB (emission in restricted band)	100 KHz/300 KHz
Trace-Mode:	Max hold

For Hopping Band edge

For Hopping Band edge	For Hopping Band edge
Detector	Peak
RB / VB (emission in restricted band)	100 KHz/300 KHz
Trace-Mode:	Max hold

4.3 TEST SETUP



The EUT is connected to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. Tune the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, the span is set to be greater than RBW.



4.4 EUT OPERATION CONDITIONS

Please refer to section 3.1.4 of this report.

4.5 TEST RESULTS

Note: The test data please refer to APPENDIX 1.



5. NUMBER OF HOPPING CHANNEL

5.1 LIMIT

FCC Part 15.247, Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247 (a)(1)(iii)	Number of Hopping Channel	≥ 15	2400-2483.5	PASS

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> Operating Frequency Range
RB	100KHz
VB	300KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as shown in the block diagram below.
- Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = Auto.

5.3 TEST SETUP



5.4 EUT OPERATION CONDITIONS

Please refer to section 3.1.4 of this report.

5.5 TEST RESULTS

Note: The test data please refer to APPENDIX 1.



6. AVERAGE TIME OF OCCUPANCY

6.1 LIMIT

FCC Part 15.247, Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247 (a)(1)(iii)	Average Time of Occupancy	0.4sec	2400-2483.5	PASS

6.2 TEST PROCEDURE

- The transmitter output (antenna port) was connected to the spectrum analyzer.
- Set RBW = 1MHz/VBW = 3MHz.
- Use a video trigger with the trigger level set to enable triggering only on full pulses.
- Sweep Time is more than once pulse time.
Set the center frequency on any frequency would be measure and set the frequency span to
- zero span.
- Measure the maximum time duration of one single pulse.
The Dwell Time = Burst Width * Total Hops. The detailed calculations are showed as follows:
The duration for dwell time calculation: $0.4[s] \times \text{hopping number} = 0.4[s] \times 79[\text{ch}] = 31.6[s \cdot \text{ch}]$;
Dwell Time Calculate formula:
Dwell time = pulse time (ms) x pulse number in 31.6s

6.3 TEST SETUP



6.4 EUT OPERATION CONDITIONS

Please refer to section 3.1.4 of this report.

6.5 TEST RESULTS

Note: The test data please refer to APPENDIX 1.

7. HOPPING CHANNEL SEPARATION MEASUREMENT

7.1 LIMIT

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> 20 dB Bandwidth or Channel Separation
RB	30 kHz (20dB Bandwidth) / 300 kHz (Channel Separation)
VB	$\geq 3 \times \text{RB}$ kHz (20dB Bandwidth) / 300 kHz (Channel Separation)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

7.2 TEST PROCEDURE

- The transmitter output (antenna port) was connected to the spectrum analyser in peak hold mode.
- The resolution bandwidth of 30 kHz and the video bandwidth of be equal or greater than $3 \times \text{RB}$ kHz were utilised for 20 dB bandwidth measurement.
- The resolution bandwidth of 300 kHz and the video bandwidth of 300 kHz were utilised for channel separation measurement.

7.3 TEST SETUP



7.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.5 TEST RESULTS

Note: The test data please refer to APPENDIX 1.



8. BANDWIDTH TEST

8.1 LIMIT

FCC Part15 15.247,Subpart C				
Section	Test Item	Limit	FrequencyRange (MHz)	Result
15.247 (a)(1)	Bandwidth	N/A	2400-2483.5	PASS

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RB	30 kHz (20dB Bandwidth) / 300 kHz (Channel Separation)
VB	$\geq 3 \times \text{RB}$ kHz (20dB Bandwidth) / 300 kHz (Channel Separation)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

8.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting: RBW= 30KHz, VBW $\geq 3 \times$ RB KHz, Sweep time = Auto.

8.3 TEST SETUP



8.4 EUT OPERATION CONDITIONS

Please refer to section 3.1.4 of this report.

8.5 TEST RESULTS

Note: The test data please refer to APPENDIX 1.



9. OUTPUT POWER TEST

9.1 LIMIT

FCC Part 15.247, Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247 (a)(1)&(b)(1)	Output Power	1 W or 0.125W	2400-2483.5	PASS
		if channel separation > 2/3 bandwidth provided the systems operate with an output power no greater than 125 mW (20.97dBm)		

9.2 TEST PROCEDURE

This is an RF-conducted test to evaluate maximum peak output power. Use a direct connection between the antenna port of the unlicensed wireless device and the spectrum analyzer, through suitable attenuation. The hopping shall be disabled for this test:

a) Use the following spectrum analyzer settings:

1) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel.

2) RBW > 20 dB bandwidth of the emission being measured.

3) VBW ≥ RBW.

4) Sweep: Auto.

5) Detector function: Peak.

6) Trace: Max hold.

b) Allow trace to stabilize.

c) Use the marker-to-peak function to set the marker to the peak of the emission.

d) The indicated level is the peak output power, after any corrections for external attenuators and cables.

e) A plot of the test results and setup description shall be included in the test report.

Note—A peak responding power meter may be used, where the power meter and sensor system video bandwidth is greater than the occupied bandwidth of the unlicensed wireless device, rather than a spectrum analyzer.



9.3 TEST SETUP



9.4 EUT OPERATION CONDITIONS

Please refer to section 3.1.4 of this report.

9.5 TEST RESULTS

Note: The test data please refer to APPENDIX 1.



10. ANTENNA REQUIREMENT

10.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

10.2 EUT ANTENNA

The EUT antenna is FPC Antenna. It comply with the standard requirement.



11. FREQUENCY STABILITY

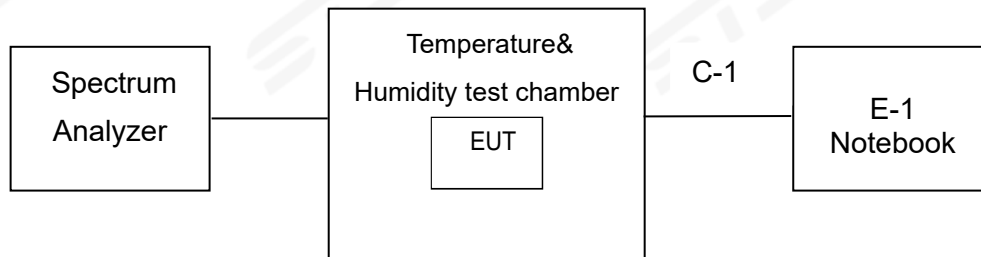
11.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

The frequency tolerance of the carrier signal shall be maintained within $\pm 0.02\%$ of the operating frequency over a temperature variation of -30 degrees to 50 degrees C at normal supply voltage, and for a variation in primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees.

11.2 TEST PROCEDURE

1. The EUT was placed inside the environmental test chamber and powered by nominal DC voltage.
2. Turn the EUT on and couple its output to spectrum analyzer.
3. Turn the EUT off and set the chamber to the highest temperature specified.
4. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
5. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
6. The test chamber was allowed to stabilize at $+20$ degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

11.3 TEST SETUP





11.4 TEST RESULT

Channel 00(2402MHz)

Voltage vs. Frequency Stability

Voltage(V)	Measurement Frequency(MHz)
4.255	2402.0027
3.7	2402.0020
3.145	2402.0023
Max.Deviation(MHz)	0.0027
Max.Deviation(ppm)	1.12

Rated working voltage: DC 3.7V

Temperature vs. Frequency Stability

Temperature(°C)	Measurement Frequency(MHz)
-30	2402.0033
-20	2402.0026
-10	2402.0027
0	2402.0031
10	2402.0029
20	2402.0029
30	2402.0025
40	2402.0032
50	2402.0033
Max.Deviation(MHz)	0.0033
Max.Deviation(ppm)	1.37



Channel 39(2441MHz)

Voltage vs. Frequency Stability

Voltage(V)	Measurement Frequency(MHz)
4.255	2441.0026
3.7	2441.0017
3.145	2441.0025
Max.Deviation(MHz)	0.0026
Max.Deviation(ppm)	1.07

Rated working voltage: DC 3.7V

Temperature vs. Frequency Stability

Temperature(°C)	Measurement Frequency(MHz)
-30	2441.0035
-20	2441.0033
-10	2441.0032
0	2441.0032
10	2441.0031
20	2441.0030
30	2441.0027
40	2441.0035
50	2441.0032
Max.Deviation(MHz)	0.0035
Max.Deviation(ppm)	1.43



Channel 78(2480MHz)

Voltage vs. Frequency Stability

Voltage(V)	Measurement Frequency(MHz)
4.255	2480.0028
3.7	2480.0024
3.145	2480.0024
Max.Deviation(MHz)	0.0028
Max.Deviation(ppm)	1.13

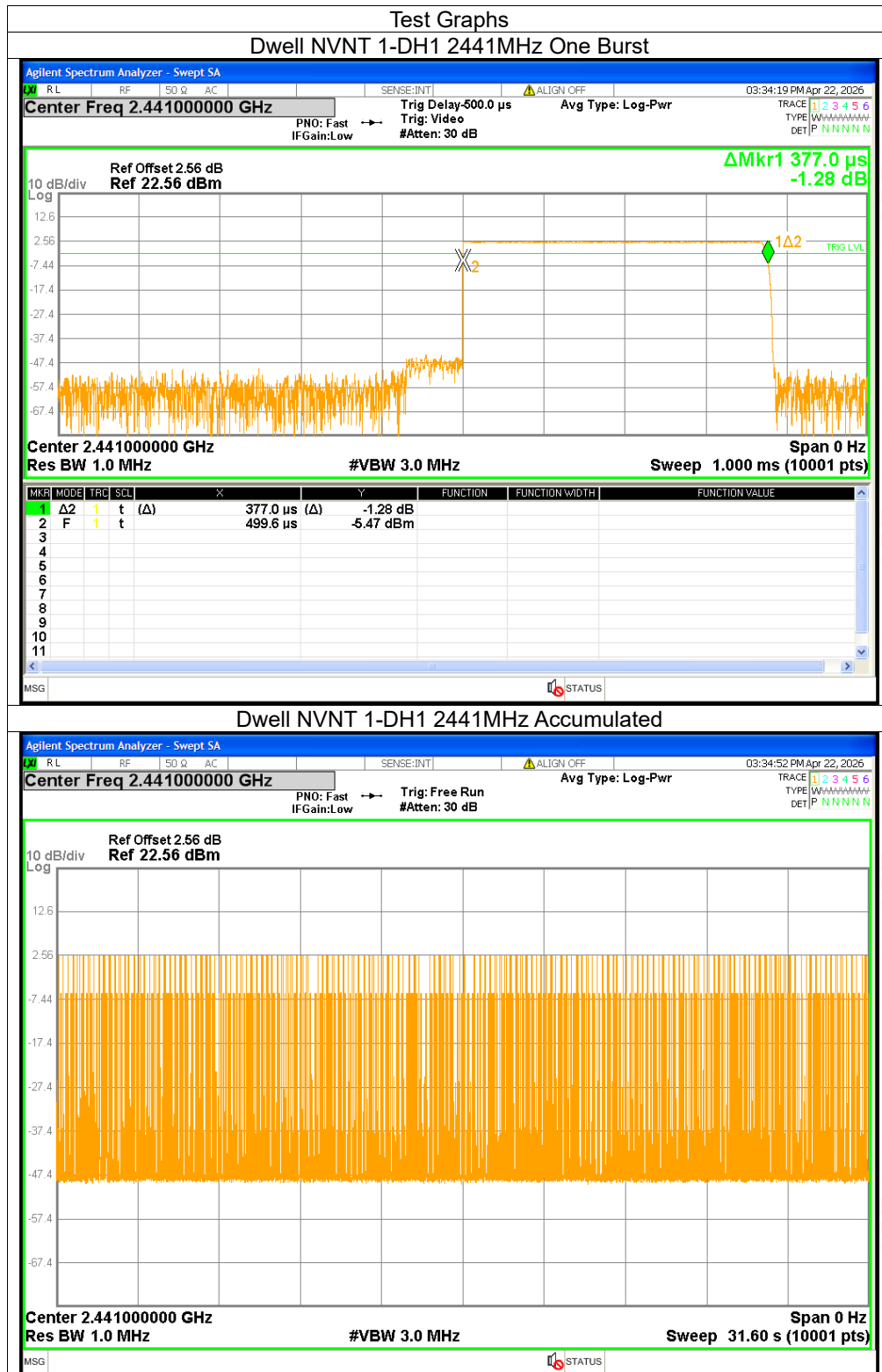
Rated working voltage: DC 3.7V

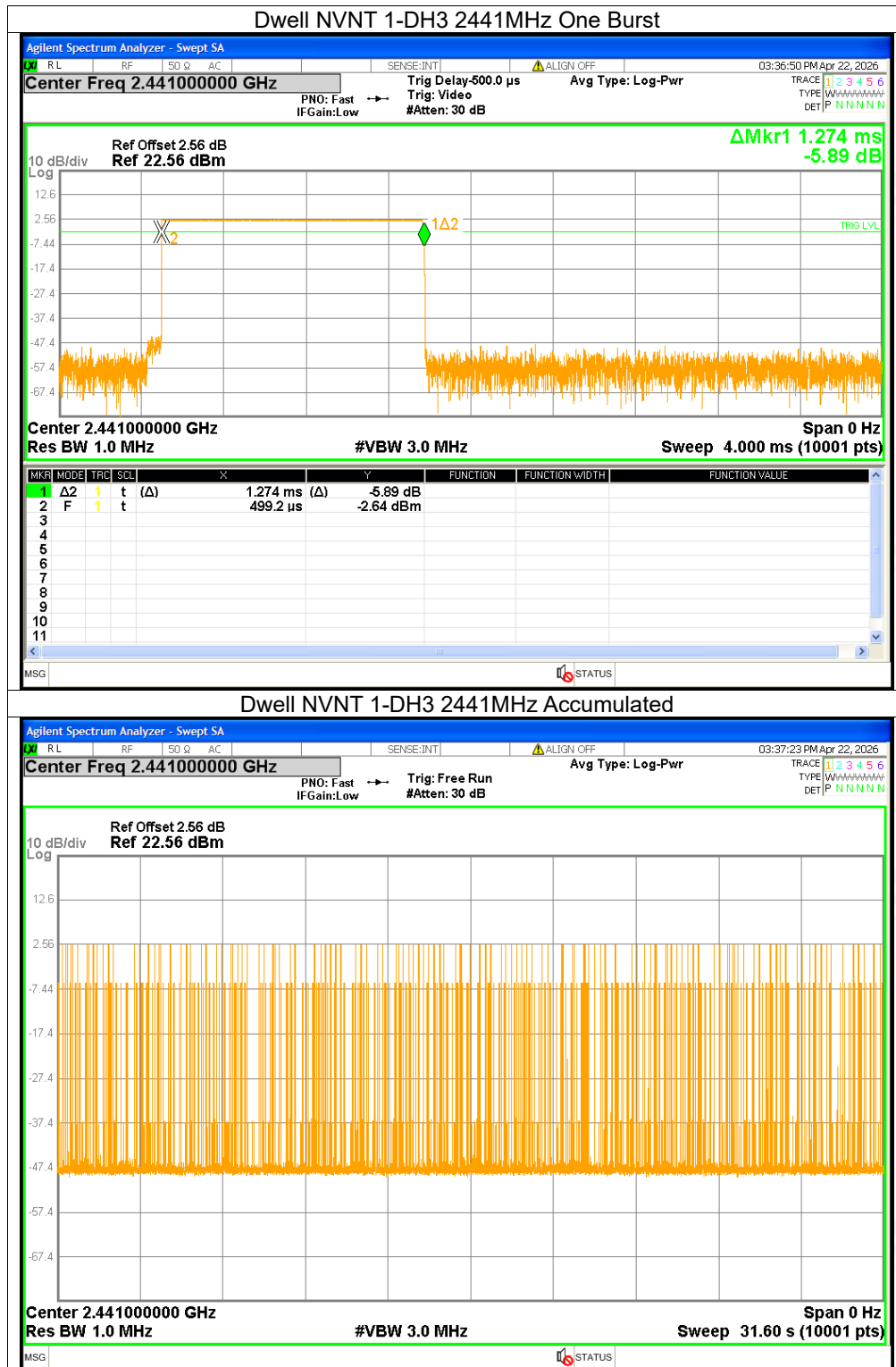
Temperature vs. Frequency Stability

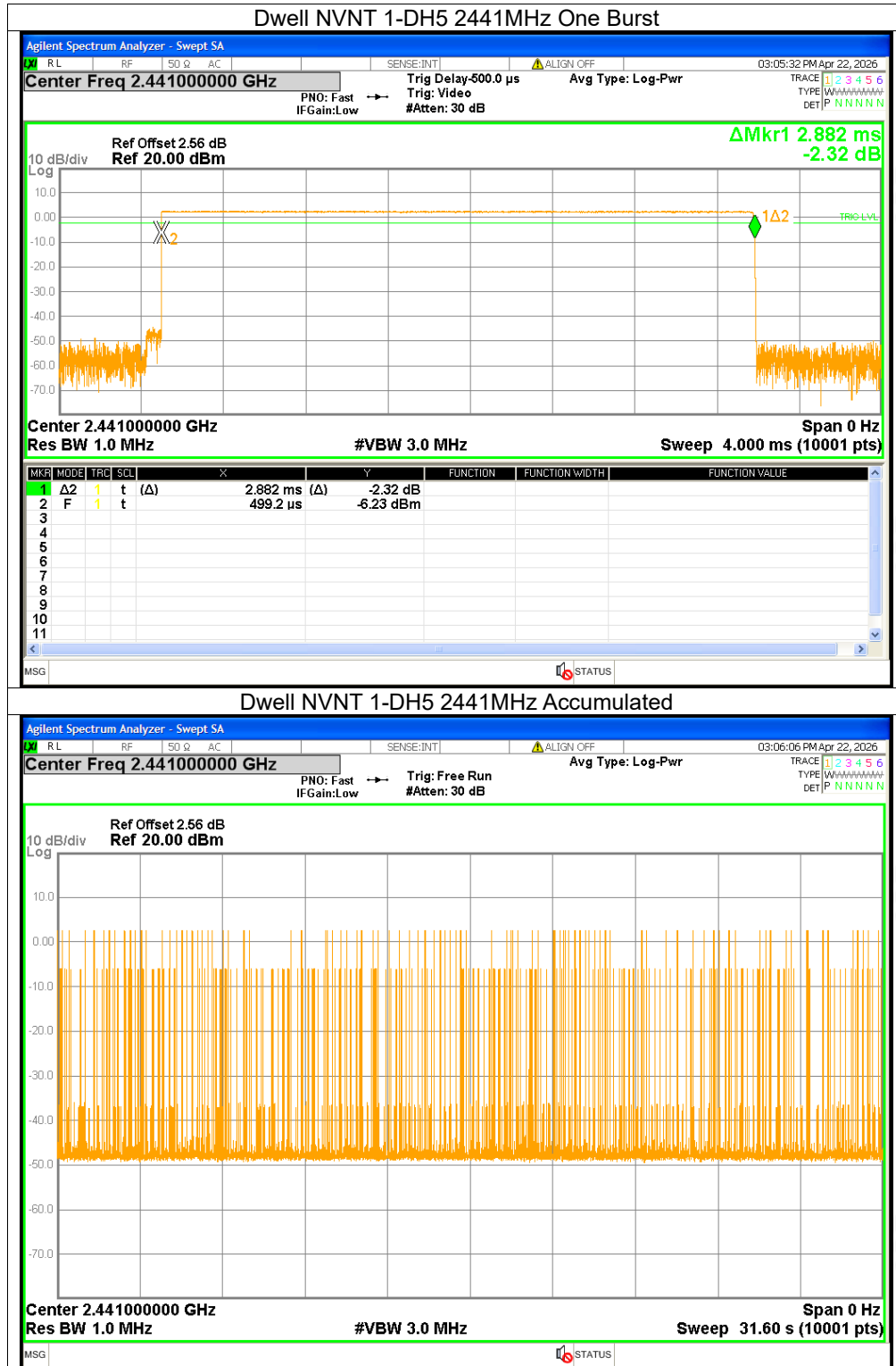
Temperature(°C)	Measurement Frequency(MHz)
-30	2480.0036
-20	2480.0030
-10	2480.0027
0	2480.0029
10	2480.0036
20	2480.0032
30	2480.0029
40	2480.0033
50	2480.0035
Max.Deviation(MHz)	0.0036
Max.Deviation(ppm)	1.45

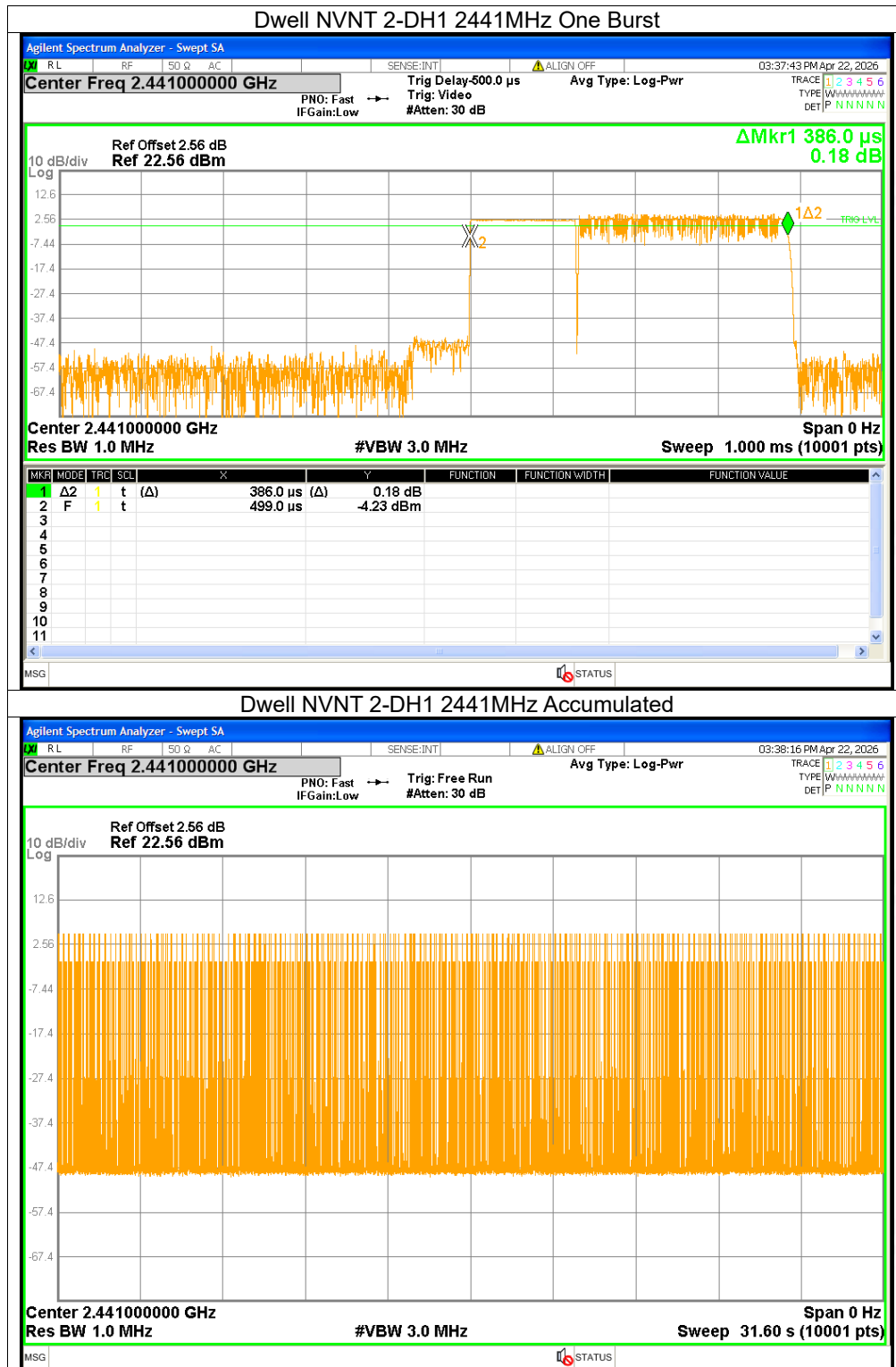
**APPENDIX 1-TEST DATA****Dwell Time**

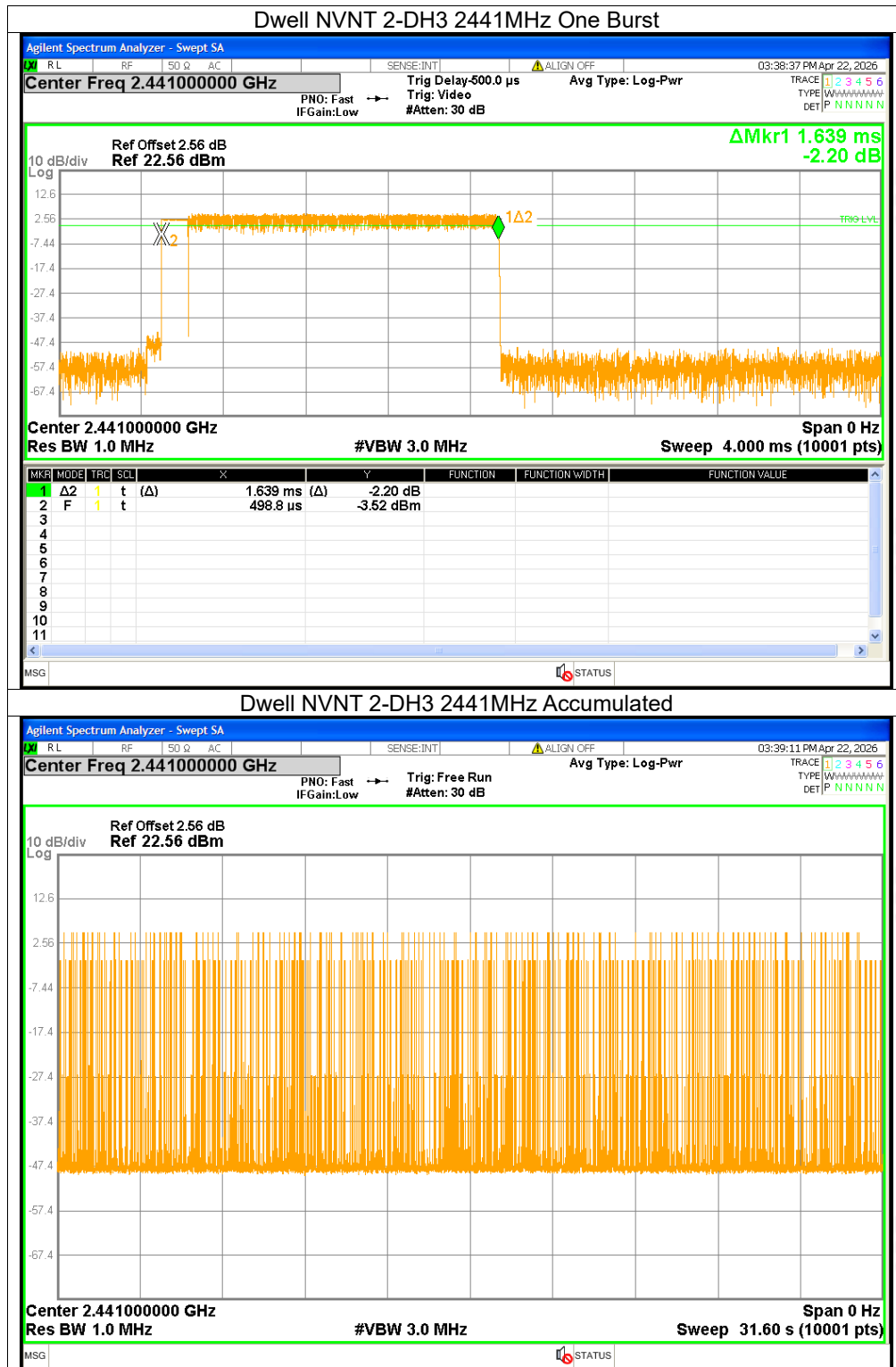
Condition	Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	0.377	105.56	280	31600	<=400	Pass
NVNT	1-DH3	2441	1.274	191.1	150	31600	<=400	Pass
NVNT	1-DH5	2441	2.882	296.846	103	31600	<=400	Pass
NVNT	2-DH1	2441	0.386	111.554	289	31600	<=400	Pass
NVNT	2-DH3	2441	1.639	254.045	155	31600	<=400	Pass
NVNT	2-DH5	2441	2.886	320.346	111	31600	<=400	Pass
NVNT	3-DH1	2441	0.386	106.536	276	31600	<=400	Pass
NVNT	3-DH3	2441	1.637	257.009	157	31600	<=400	Pass
NVNT	3-DH5	2441	2.889	297.567	103	31600	<=400	Pass

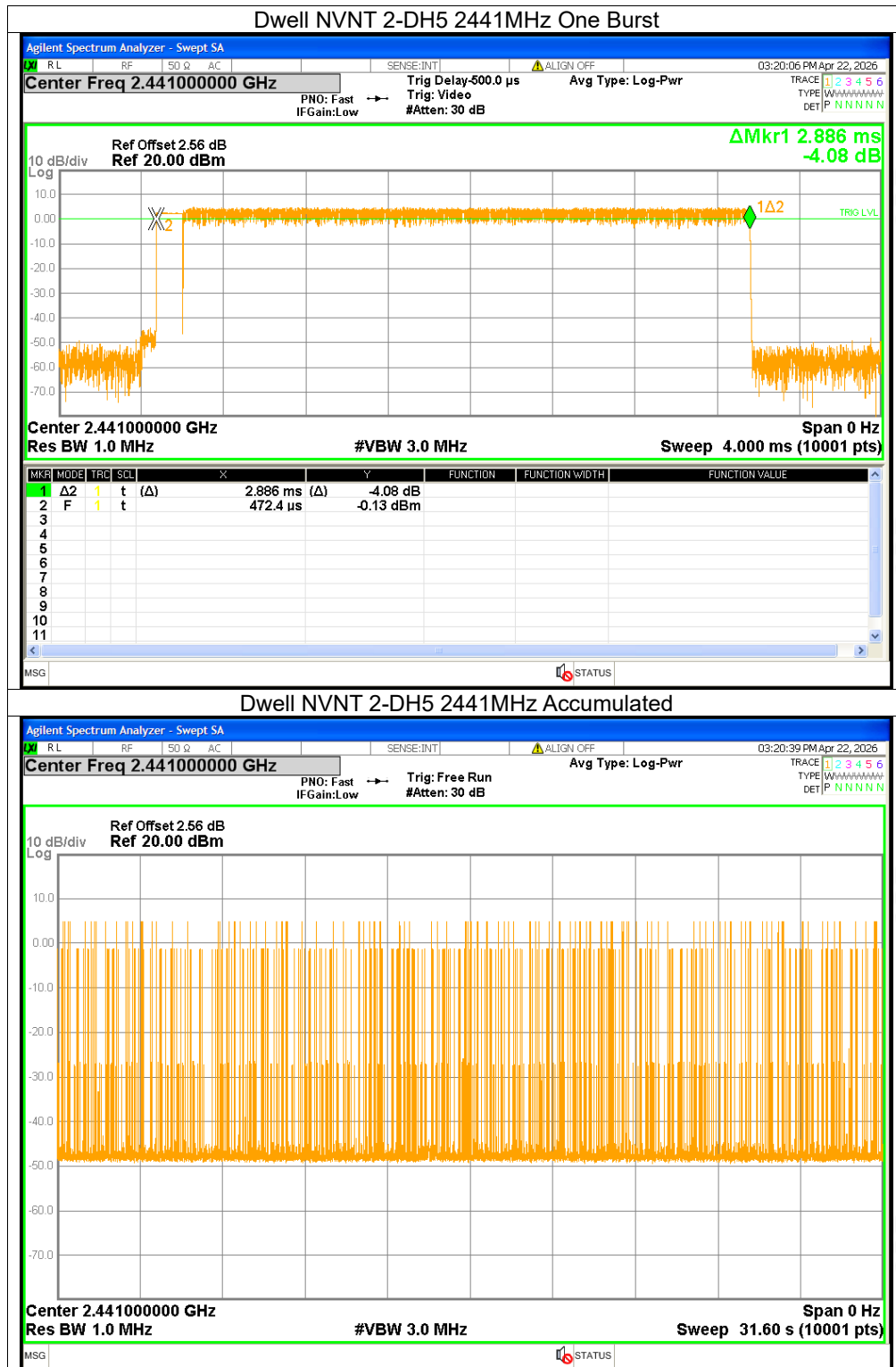


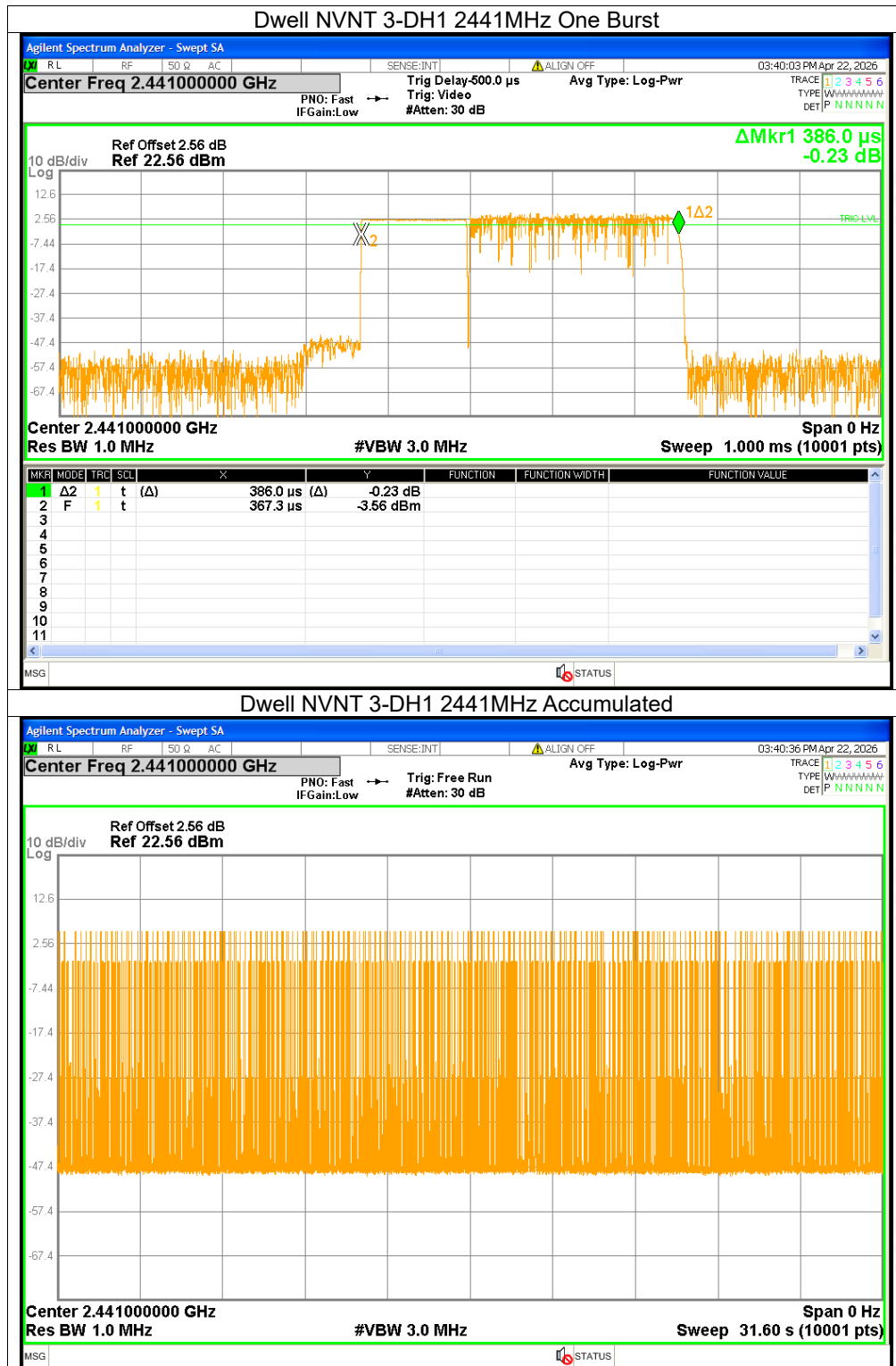


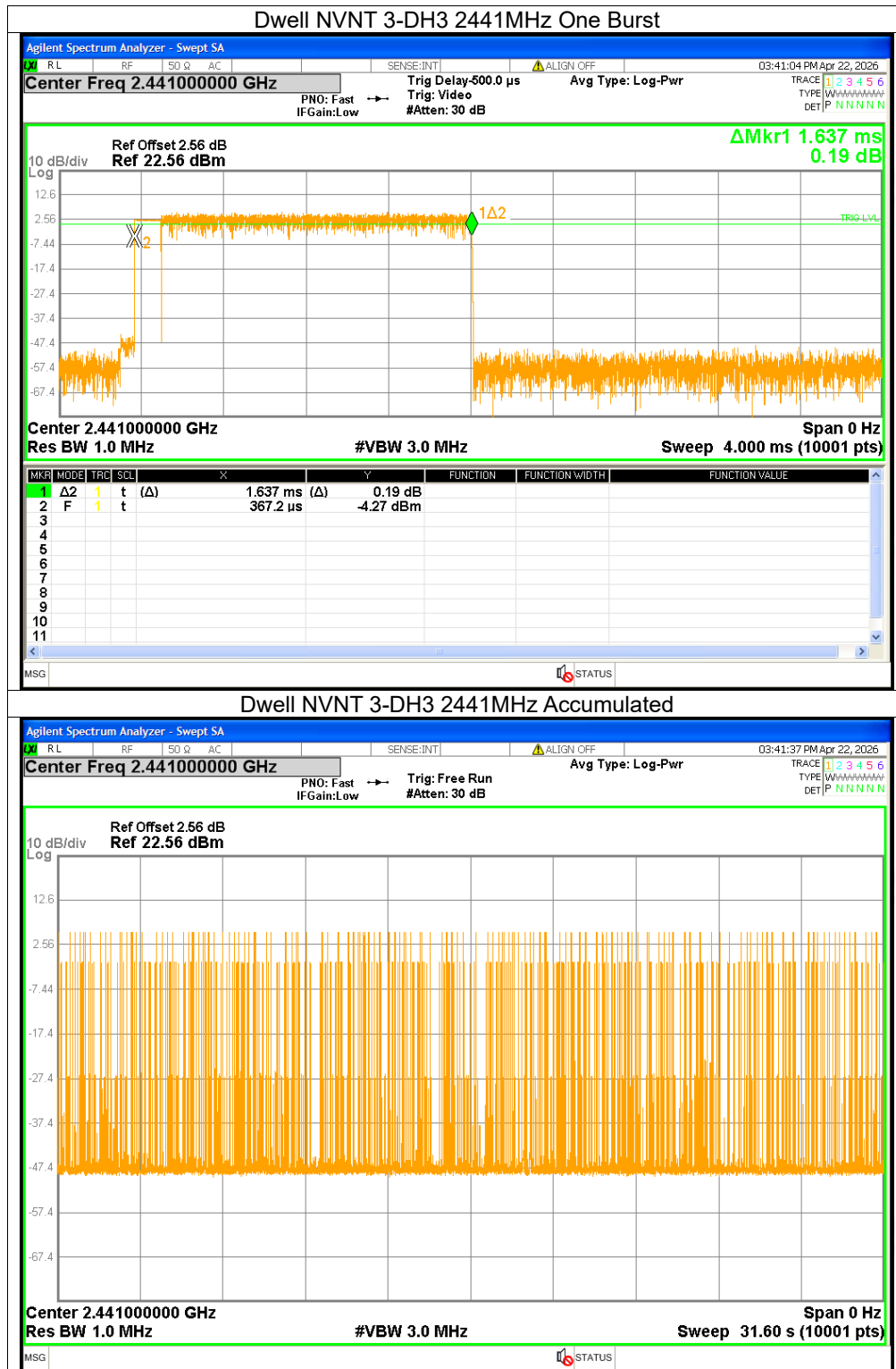


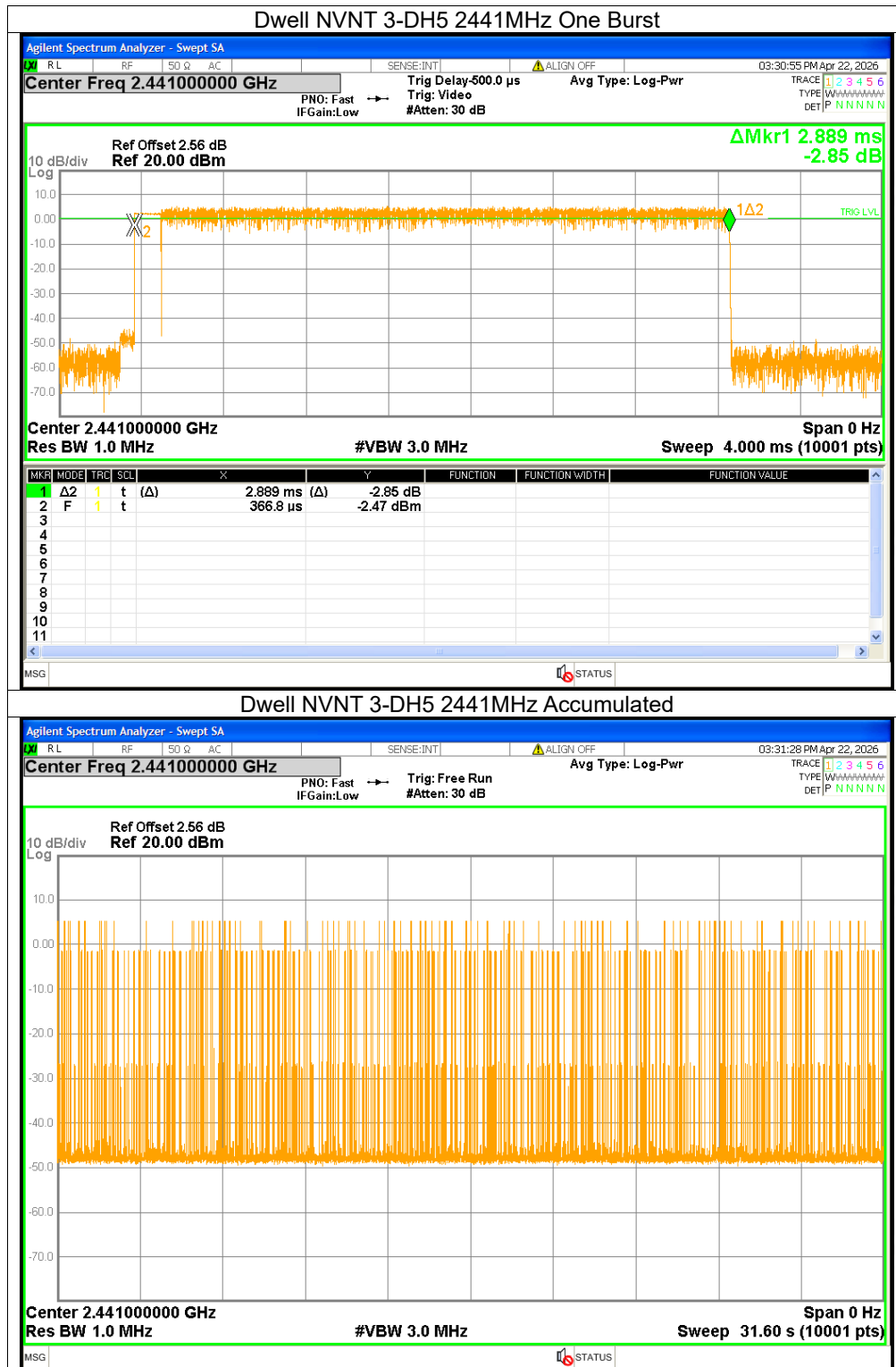








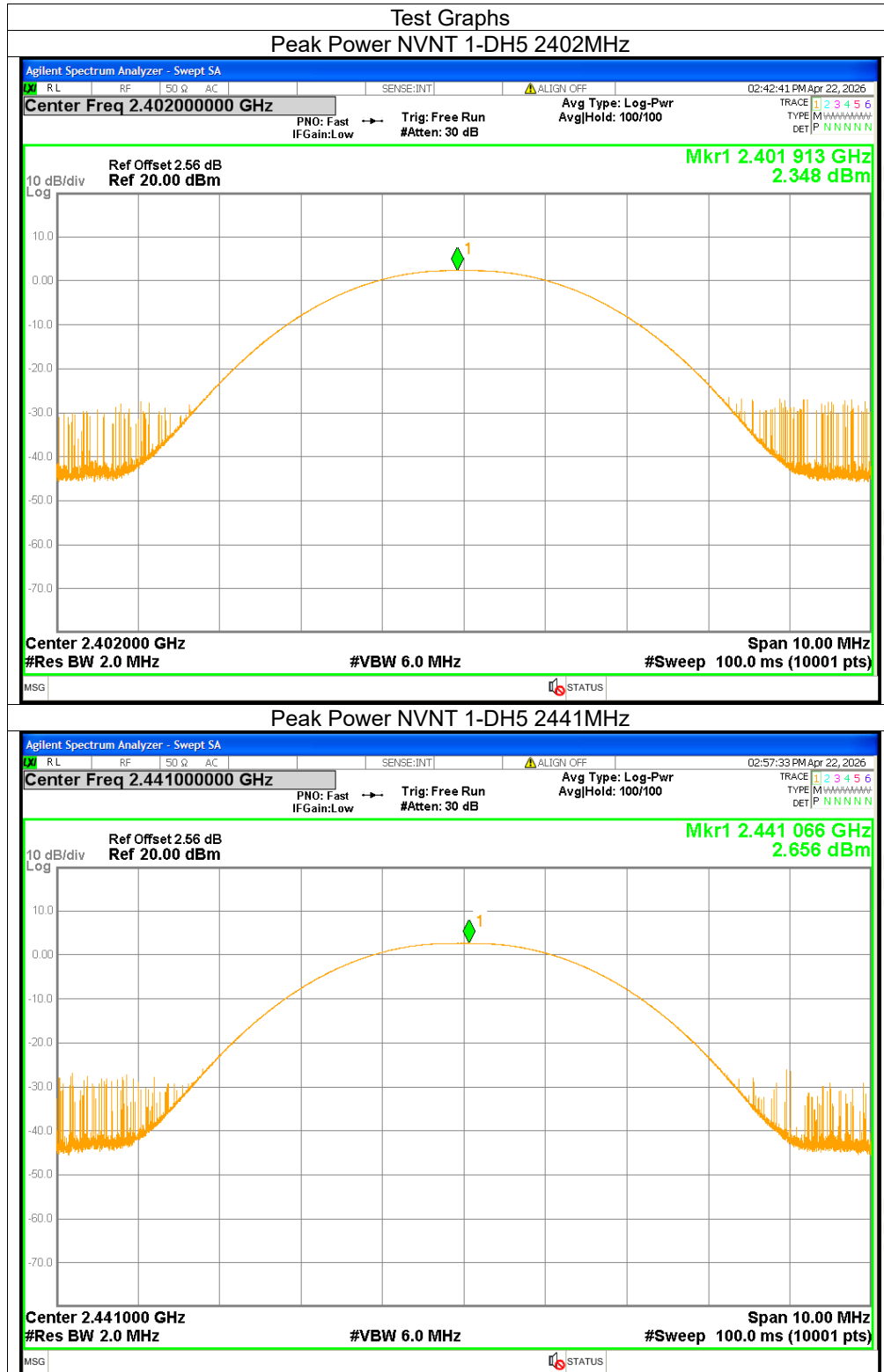


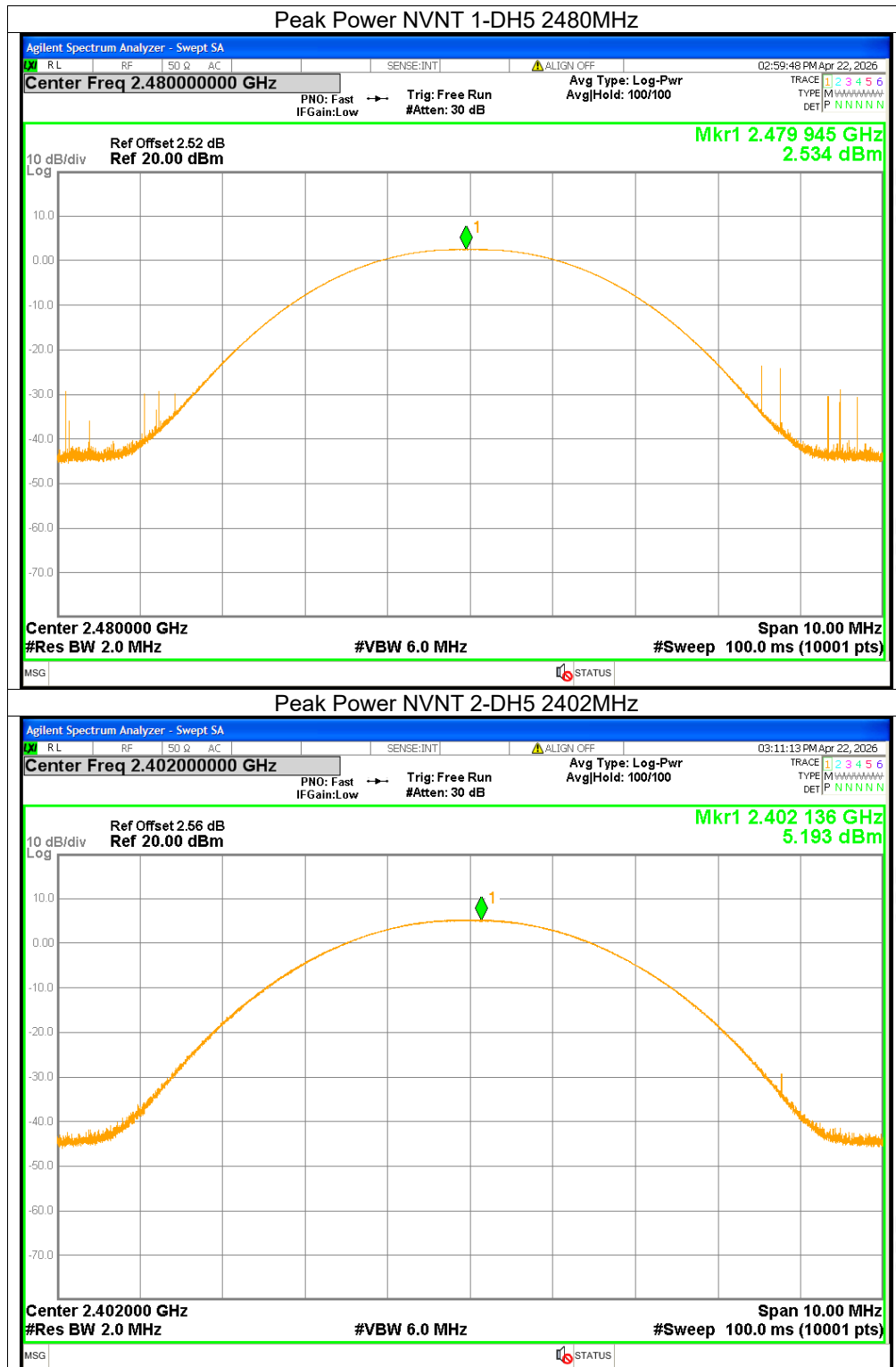


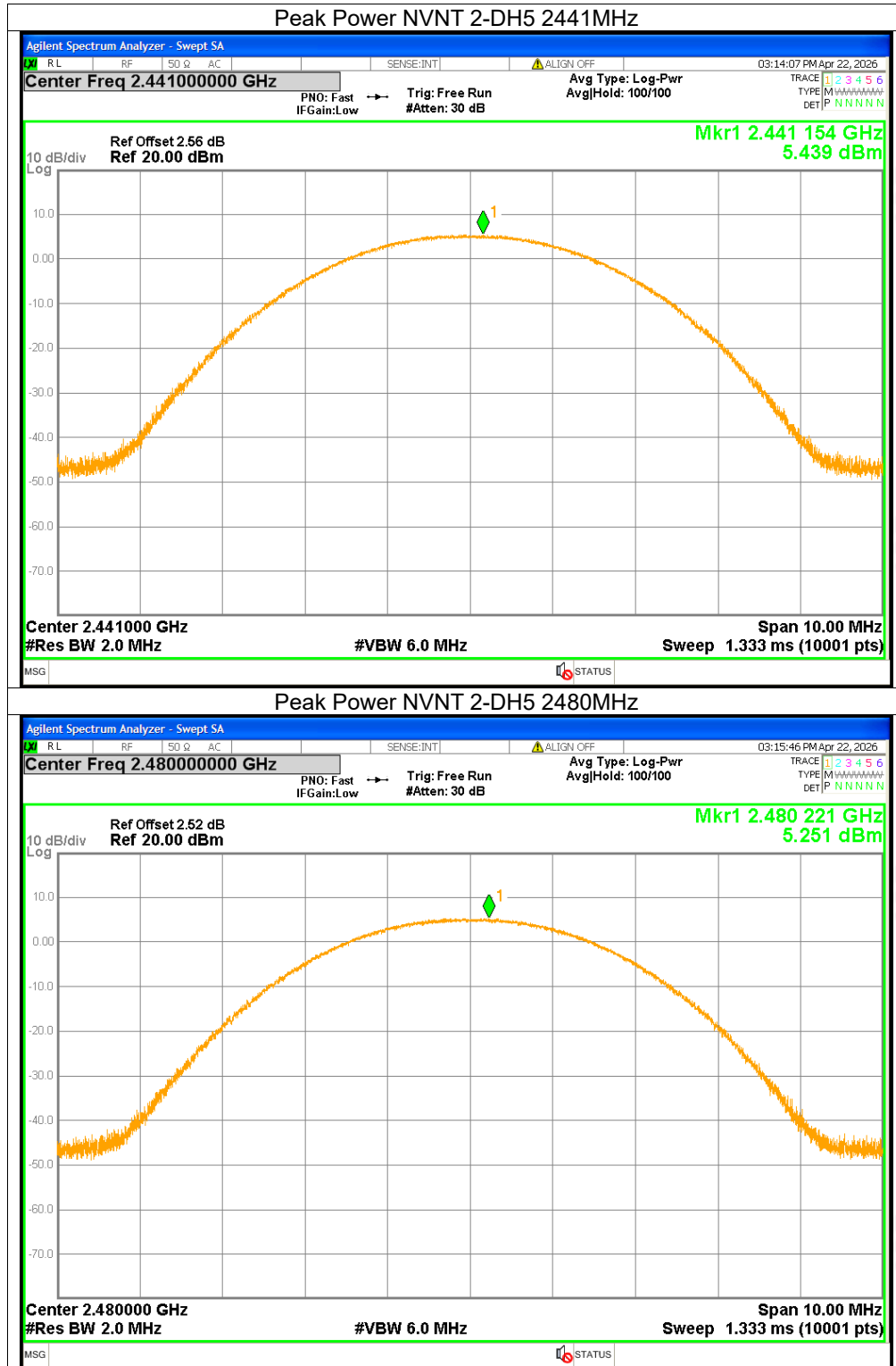


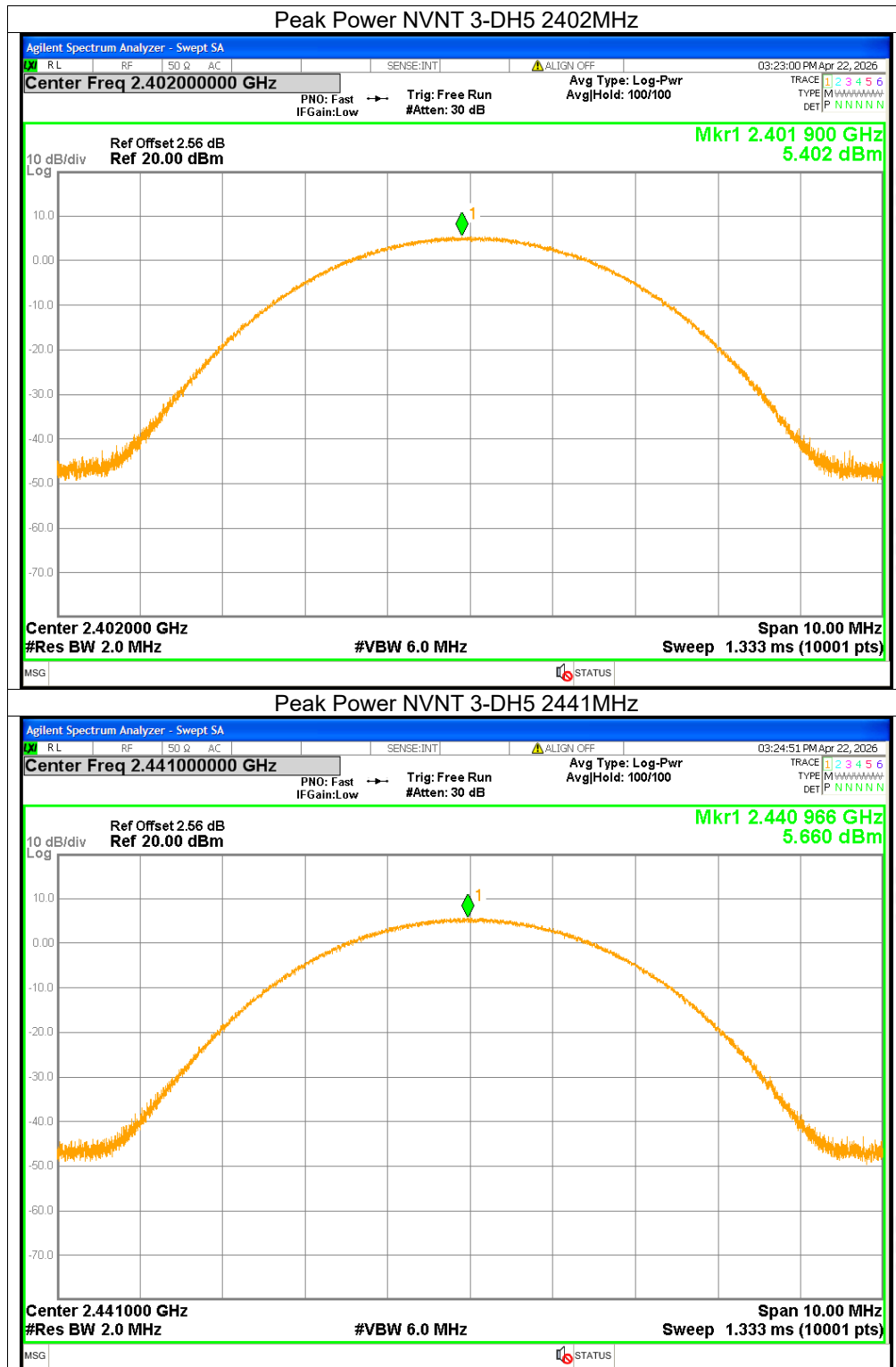
Maximum Peak Conducted Output Power

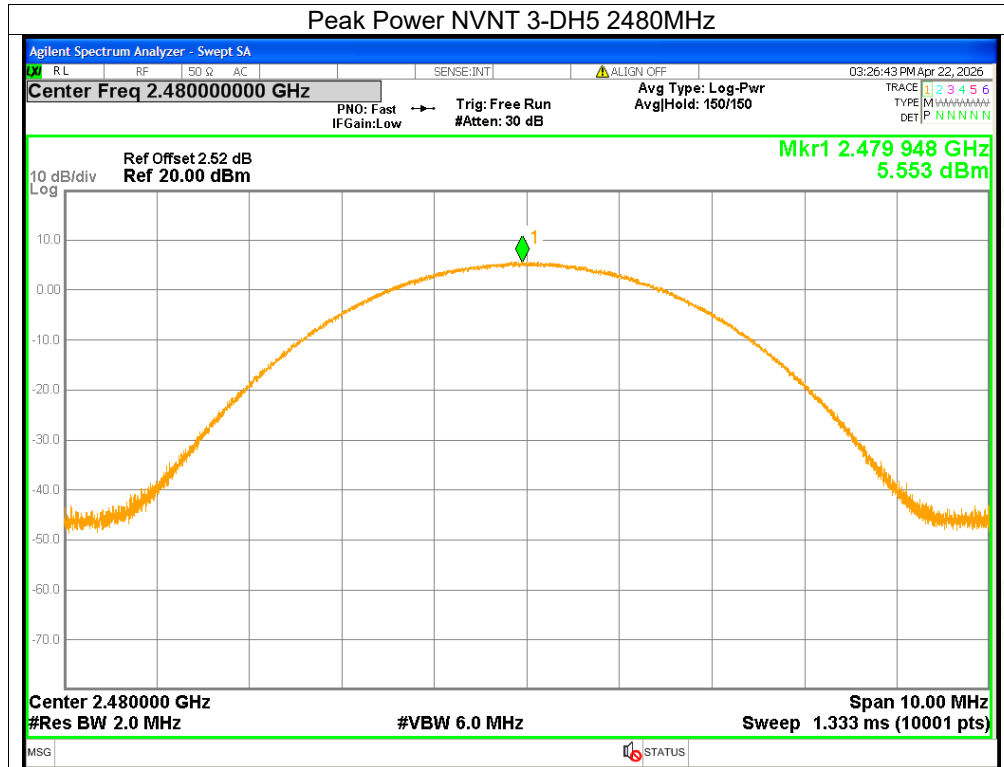
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	2.35	<=30	Pass
NVNT	1-DH5	2441	2.66	<=30	Pass
NVNT	1-DH5	2480	2.53	<=30	Pass
NVNT	2-DH5	2402	5.19	<=21	Pass
NVNT	2-DH5	2441	5.44	<=21	Pass
NVNT	2-DH5	2480	5.25	<=21	Pass
NVNT	3-DH5	2402	5.4	<=21	Pass
NVNT	3-DH5	2441	5.66	<=21	Pass
NVNT	3-DH5	2480	5.55	<=21	Pass





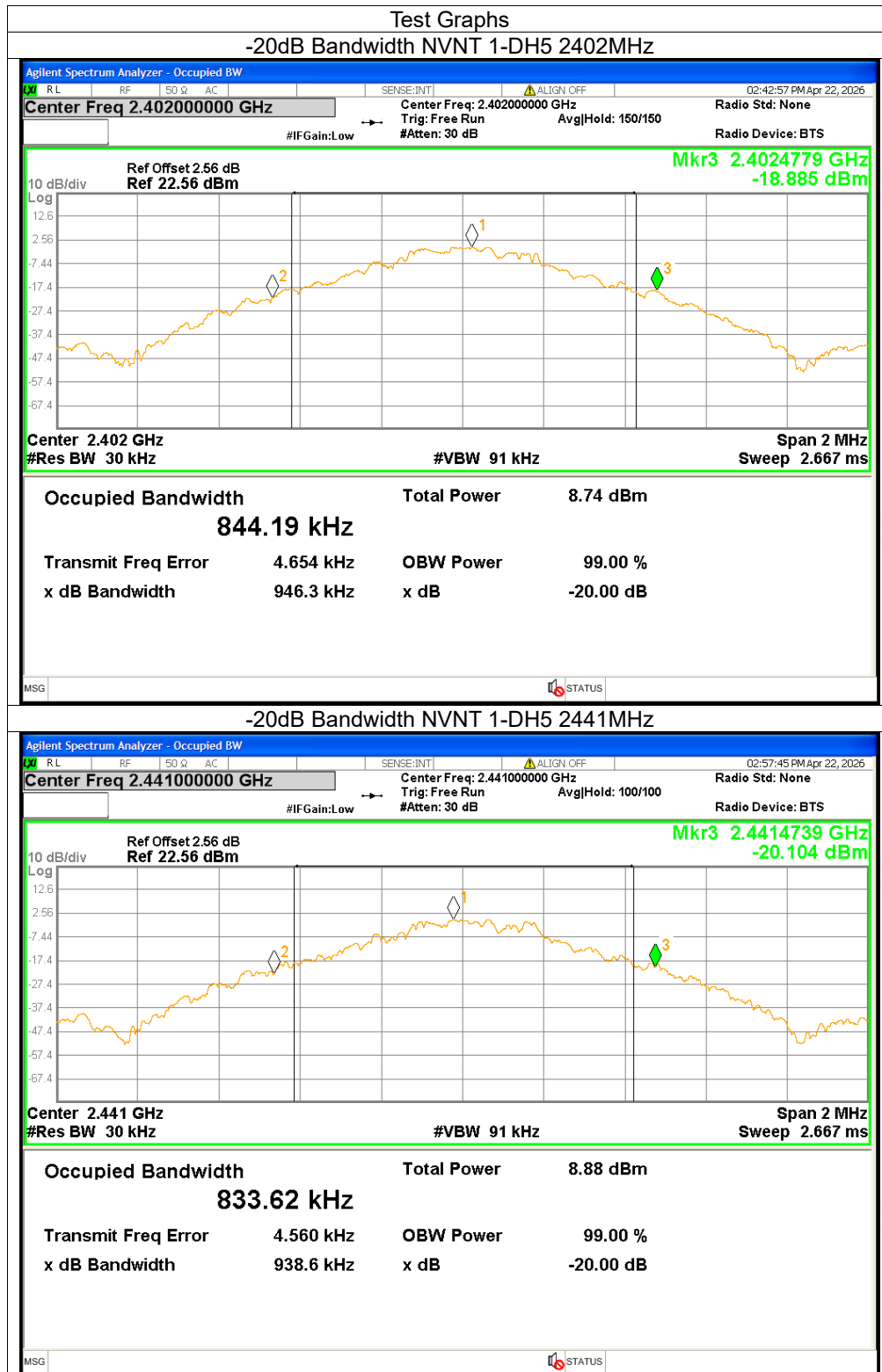


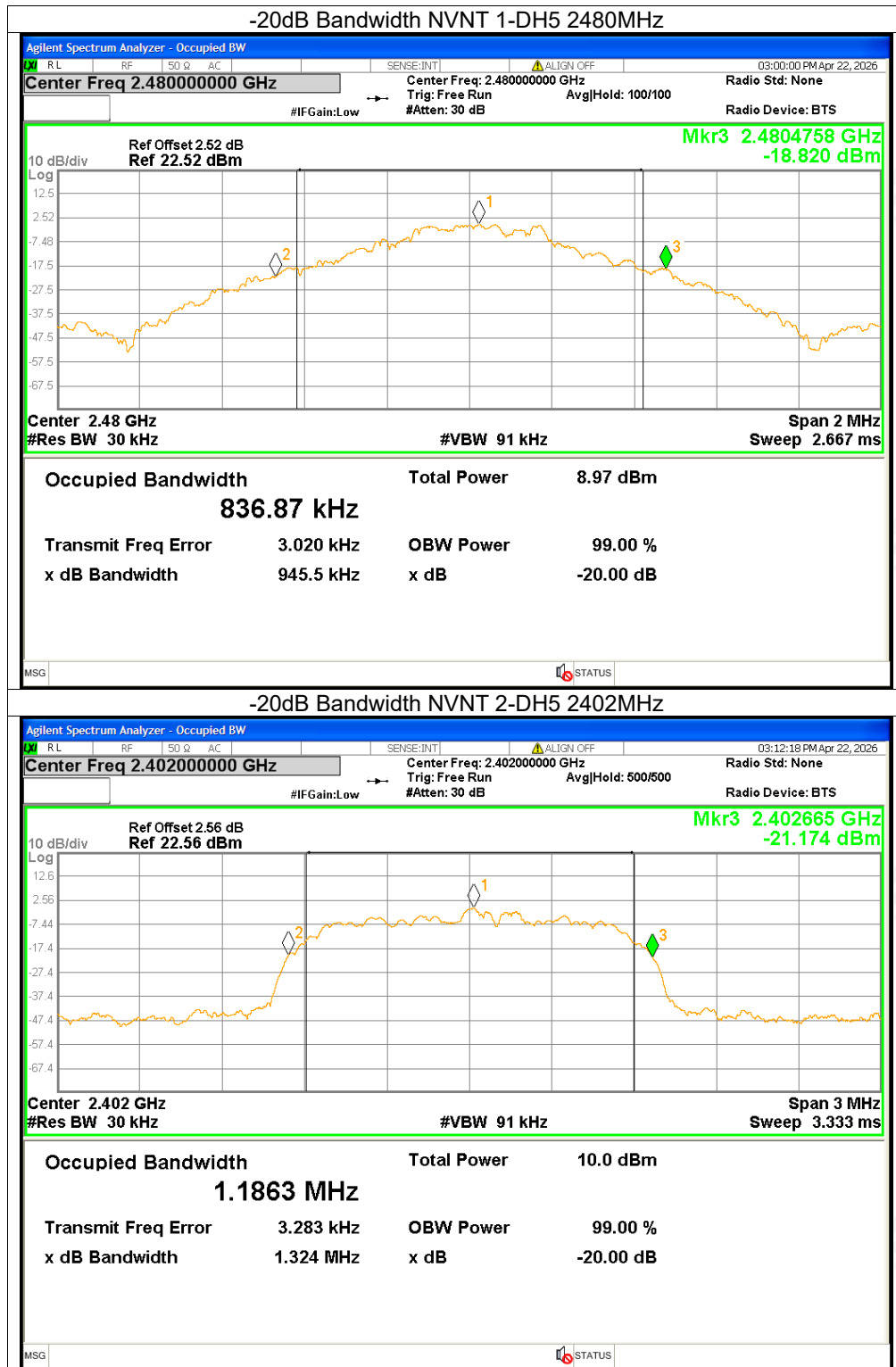


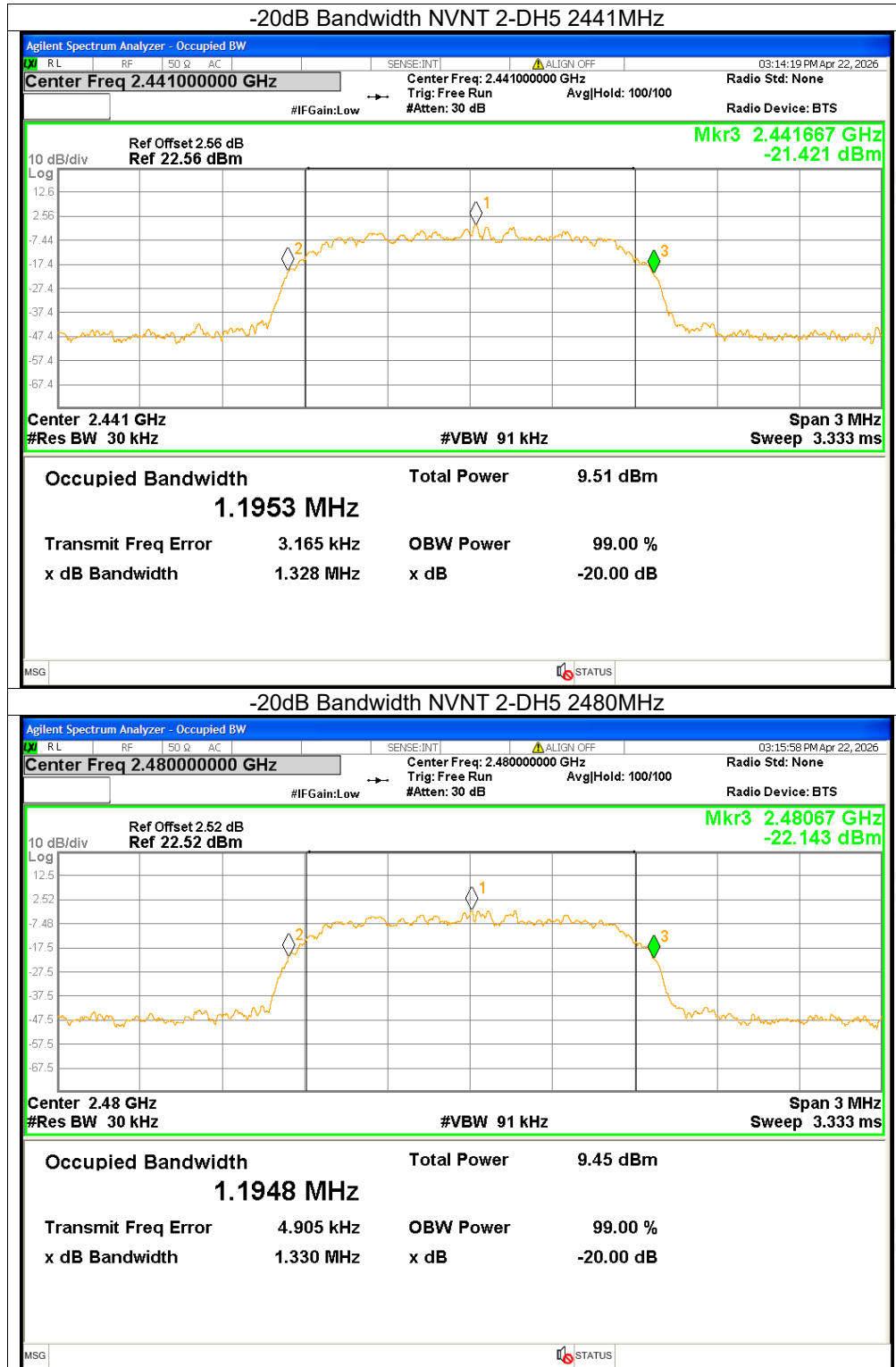


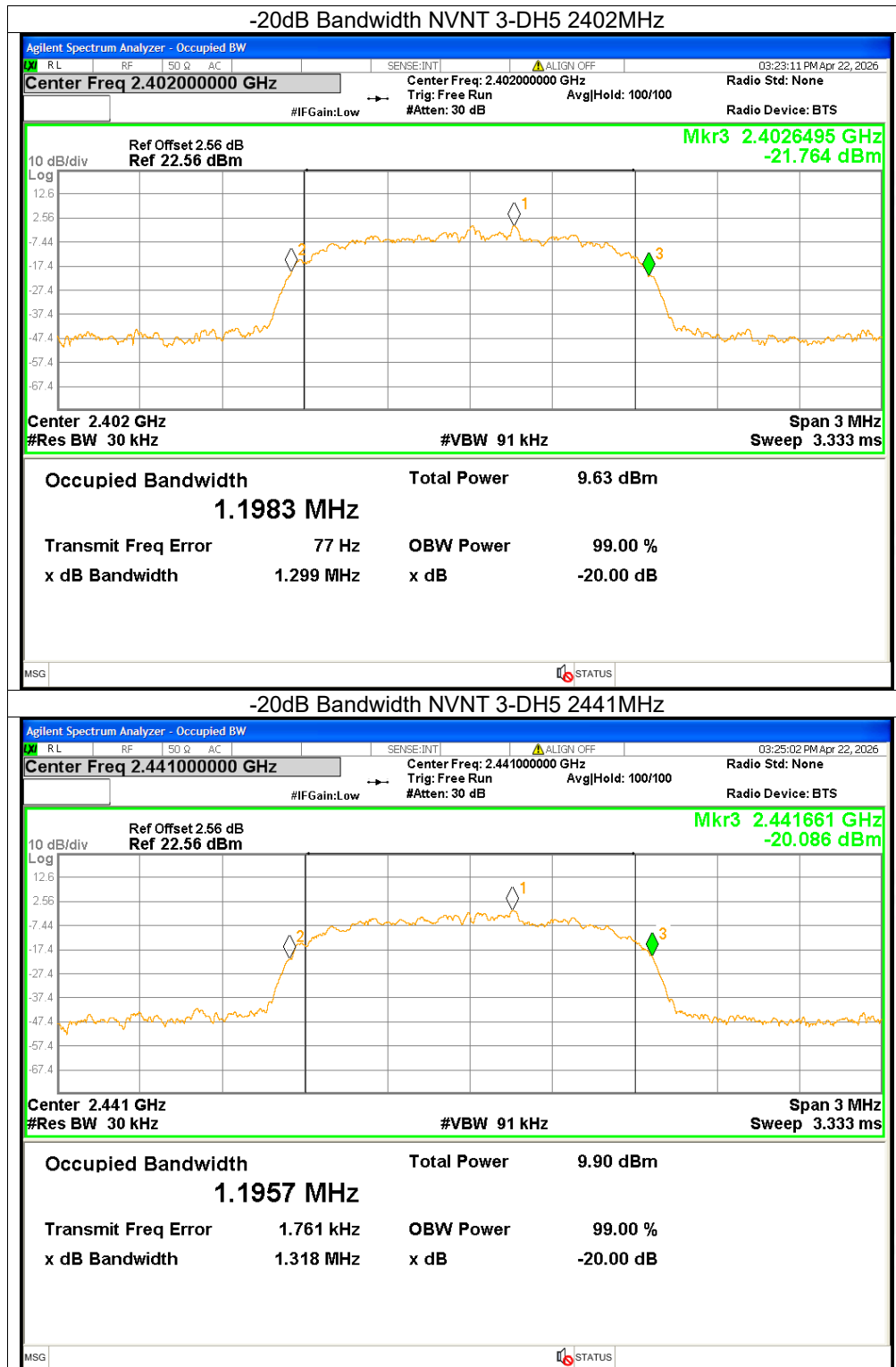
**-20dB Bandwidth**

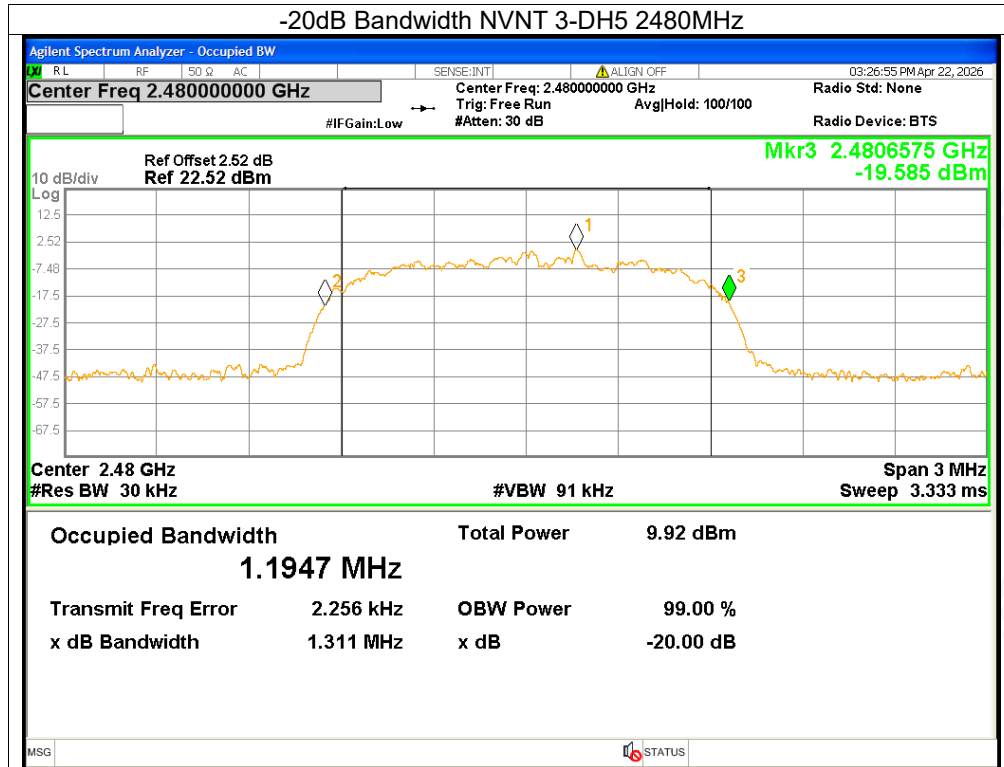
Condition	Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	0.9463	Pass
NVNT	1-DH5	2441	0.9386	Pass
NVNT	1-DH5	2480	0.9455	Pass
NVNT	2-DH5	2402	1.324	Pass
NVNT	2-DH5	2441	1.328	Pass
NVNT	2-DH5	2480	1.33	Pass
NVNT	3-DH5	2402	1.299	Pass
NVNT	3-DH5	2441	1.318	Pass
NVNT	3-DH5	2480	1.311	Pass









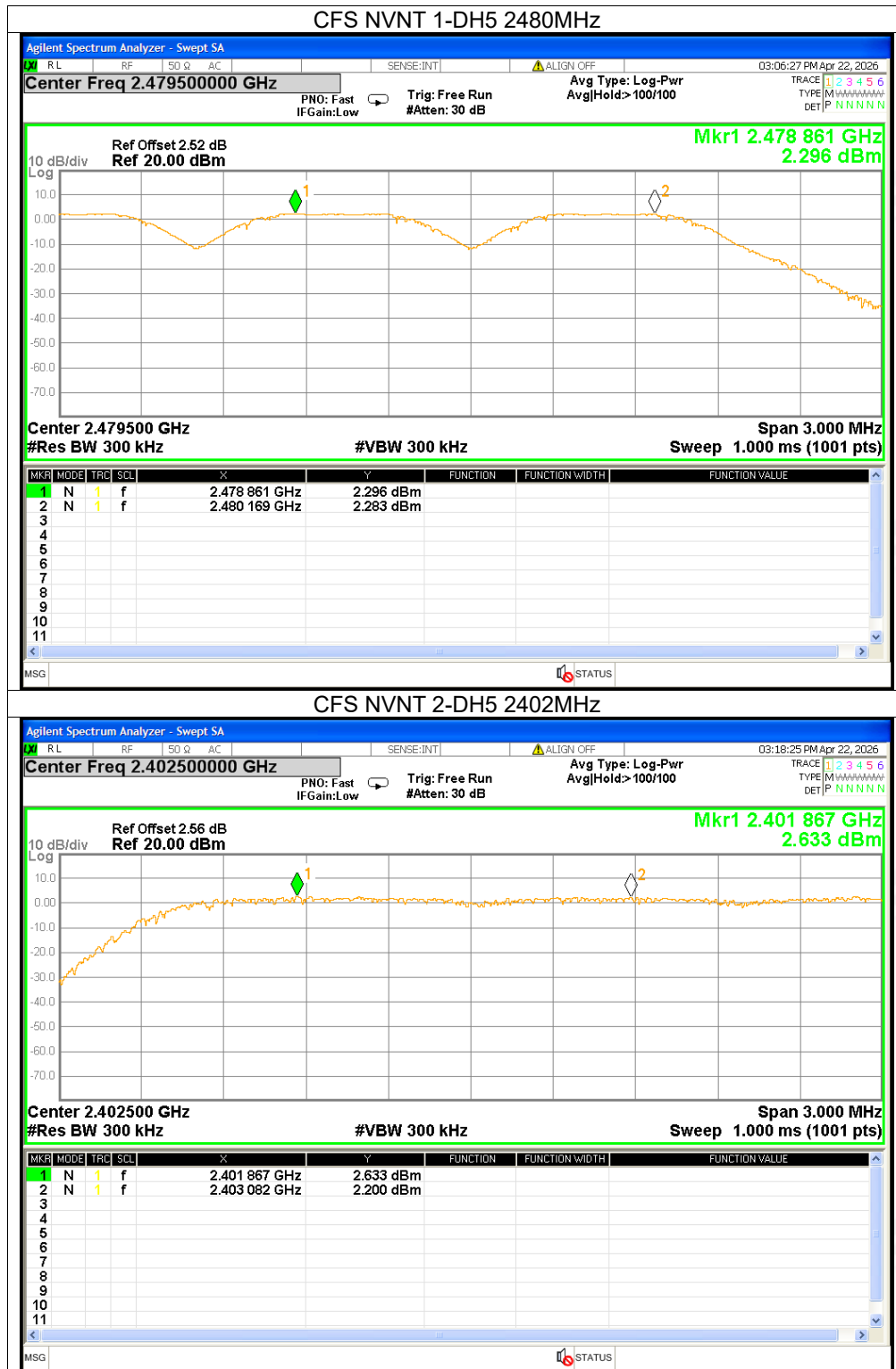


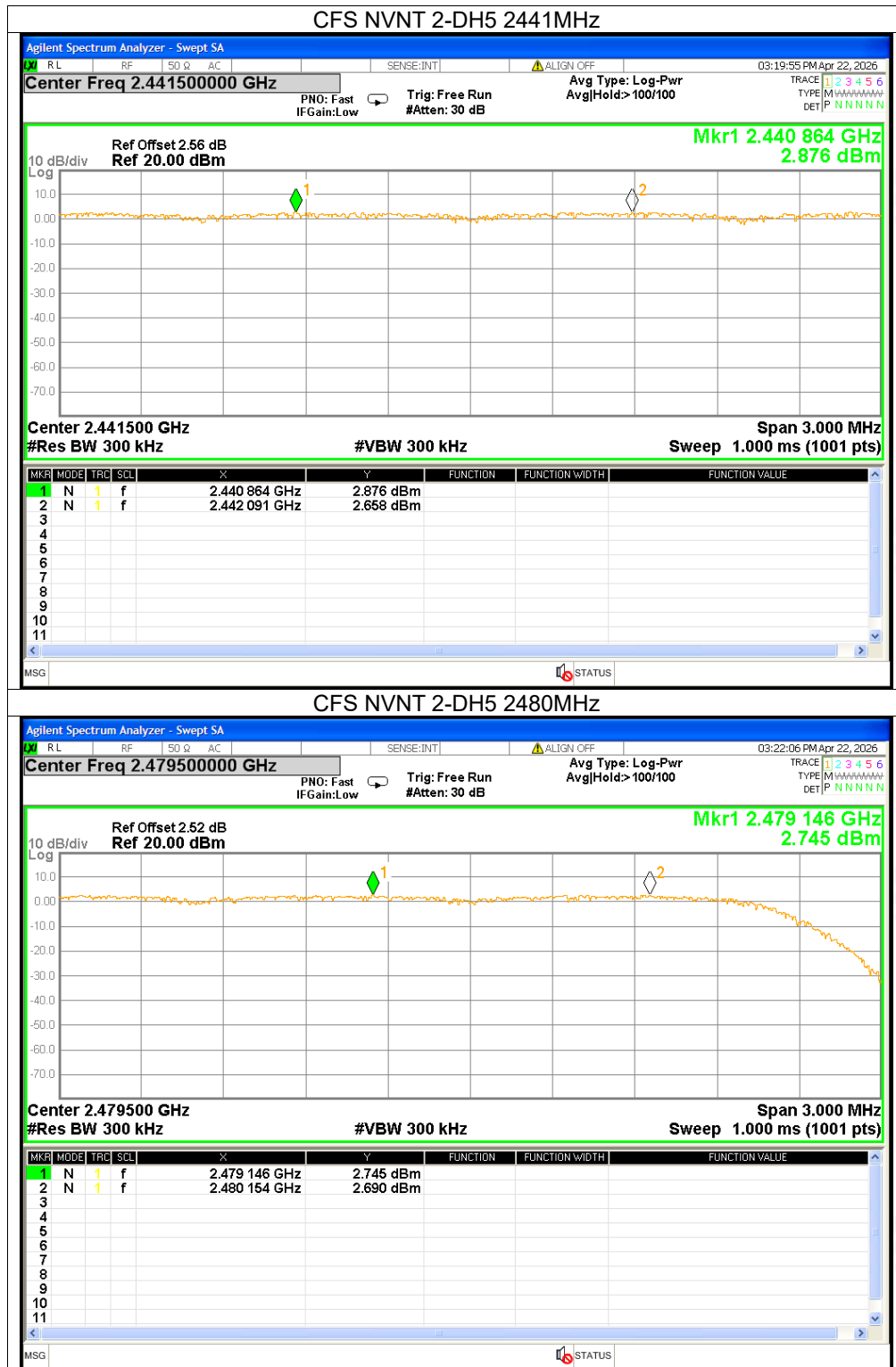


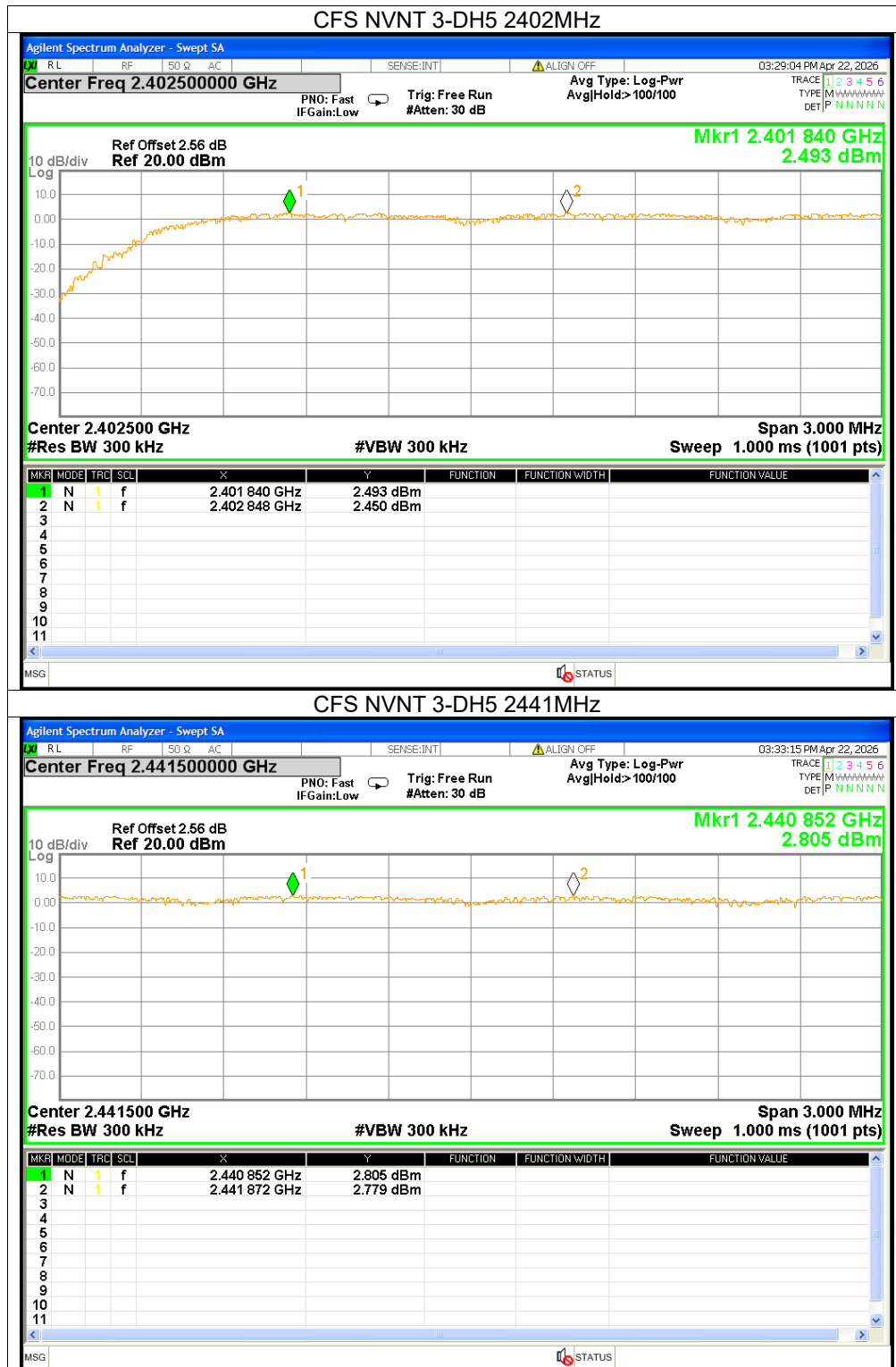
Carrier Frequencies Separation

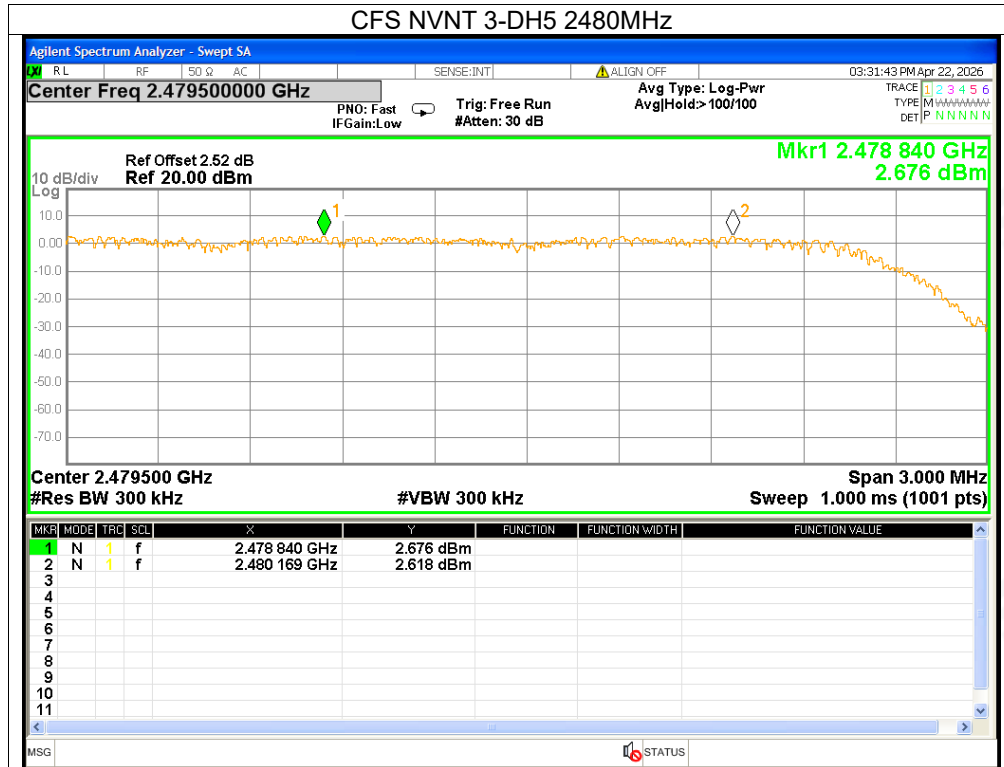
Condition	Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	2401.84	2403.157	1.317	≥ 0.946	Pass
NVNT	1-DH5	2440.843	2441.845	1.002	≥ 0.939	Pass
NVNT	1-DH5	2478.861	2480.169	1.308	≥ 0.945	Pass
NVNT	2-DH5	2401.867	2403.082	1.215	≥ 0.883	Pass
NVNT	2-DH5	2440.864	2442.091	1.227	≥ 0.885	Pass
NVNT	2-DH5	2479.146	2480.154	1.008	≥ 0.887	Pass
NVNT	3-DH5	2401.84	2402.848	1.008	≥ 0.866	Pass
NVNT	3-DH5	2440.852	2441.872	1.02	≥ 0.879	Pass
NVNT	3-DH5	2478.84	2480.169	1.329	≥ 0.874	Pass







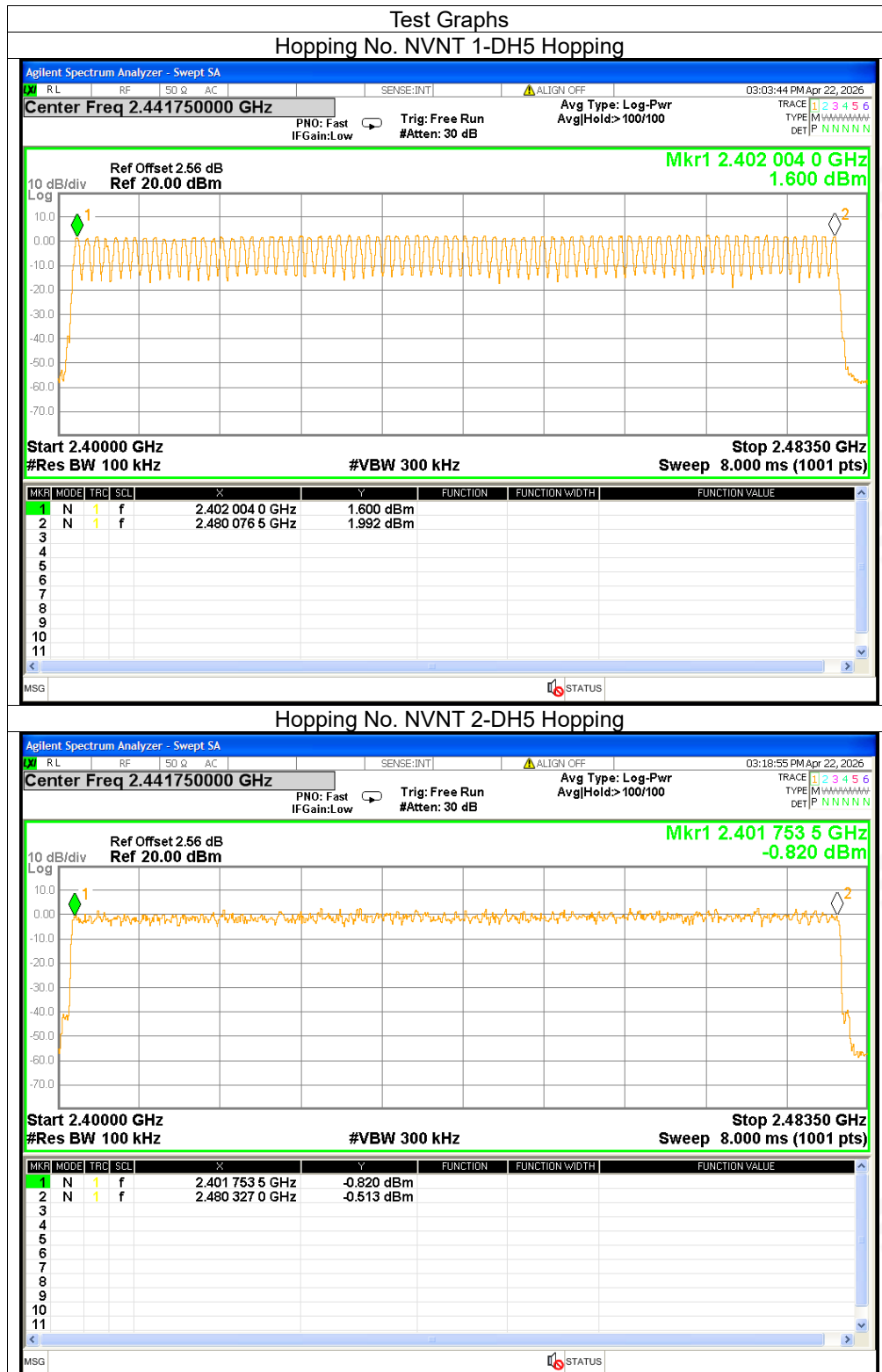


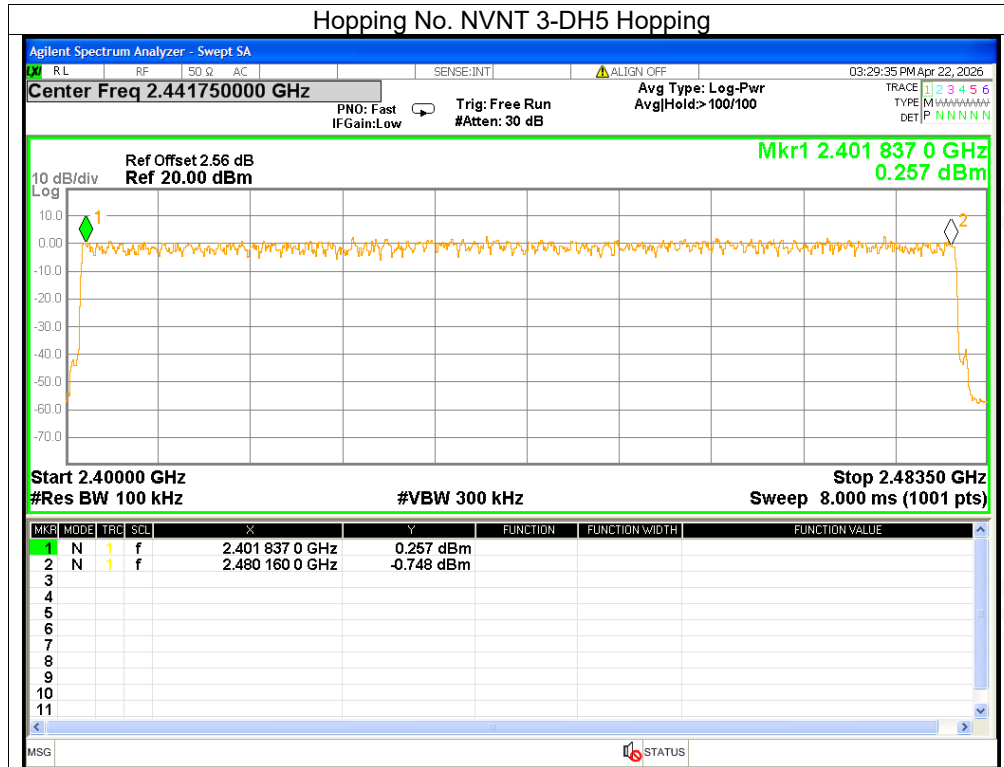




Number of Hopping Channel

Condition	Mode	Hopping Number	Limit	Verdict
NVNT	1-DH5	79	≥ 15	Pass
NVNT	2-DH5	79	≥ 15	Pass
NVNT	3-DH5	79	≥ 15	Pass

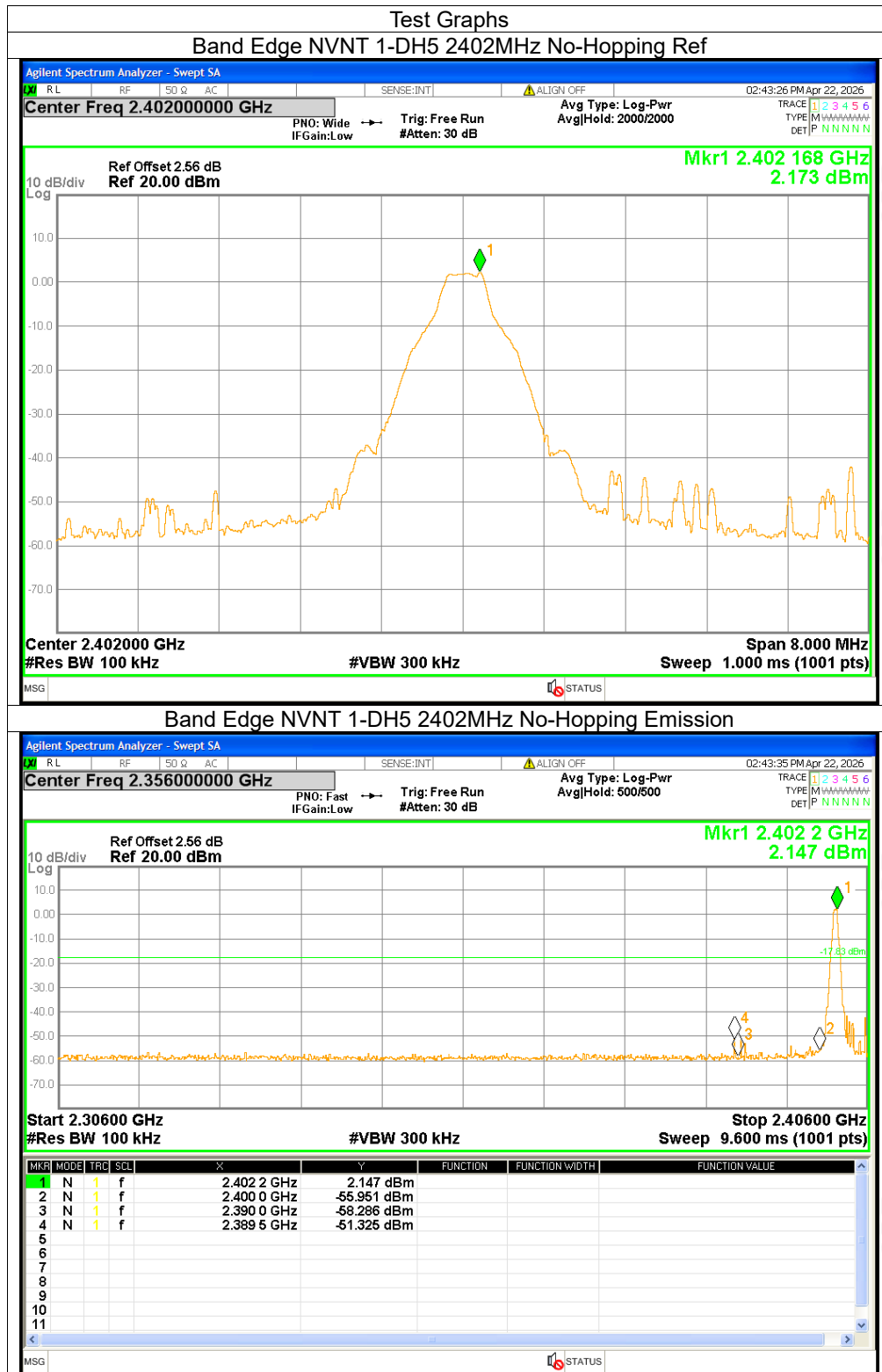


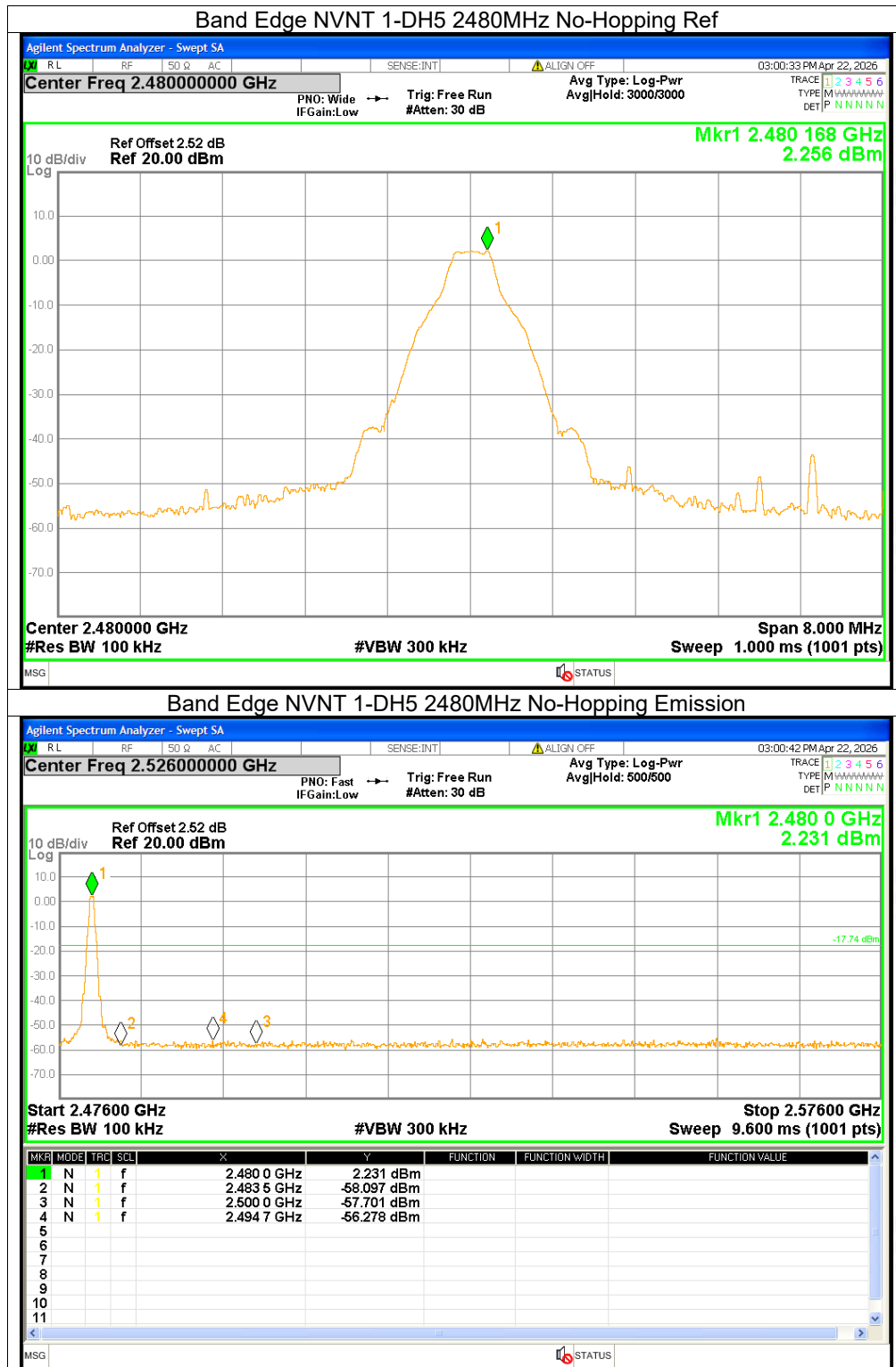


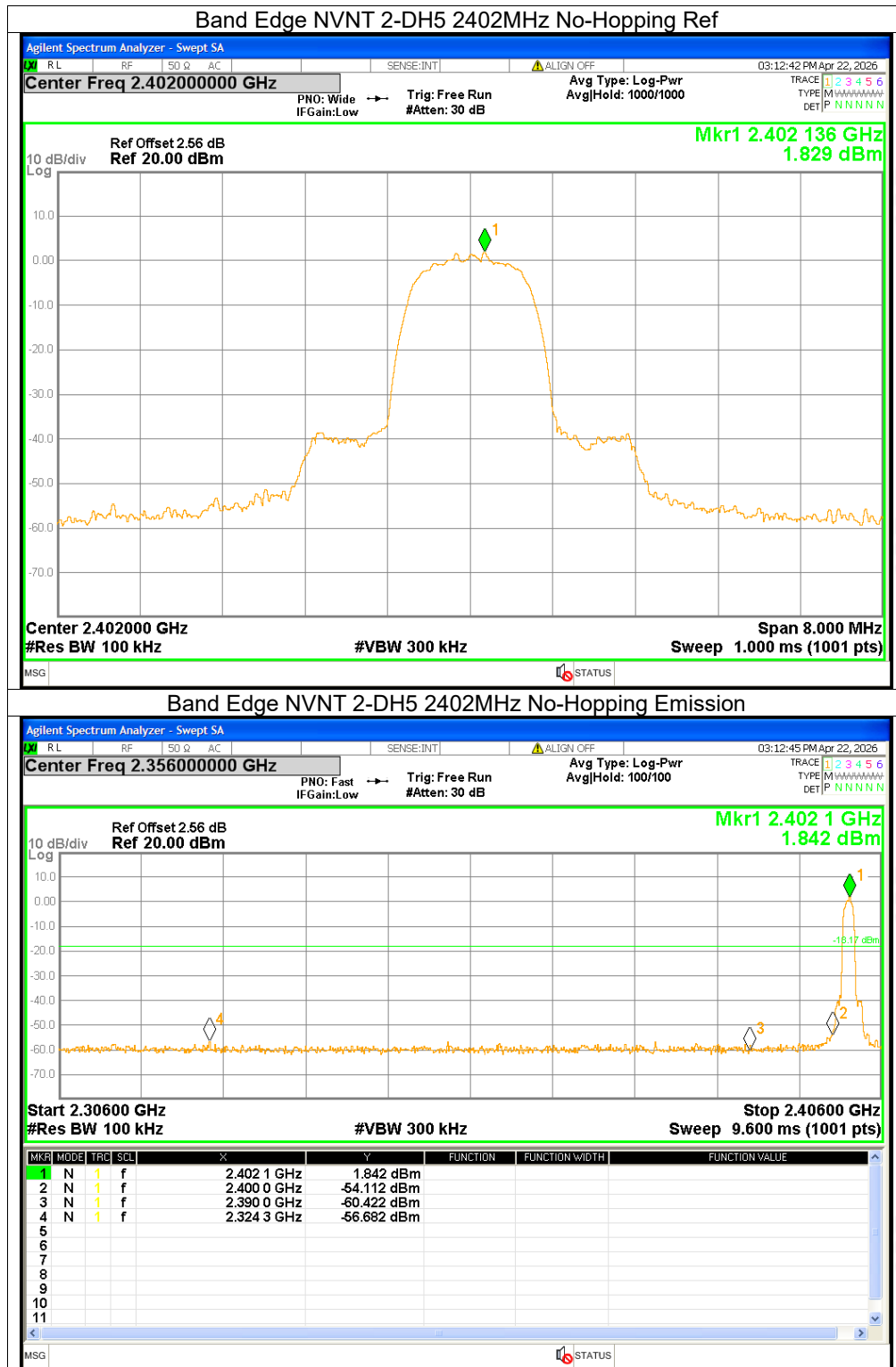


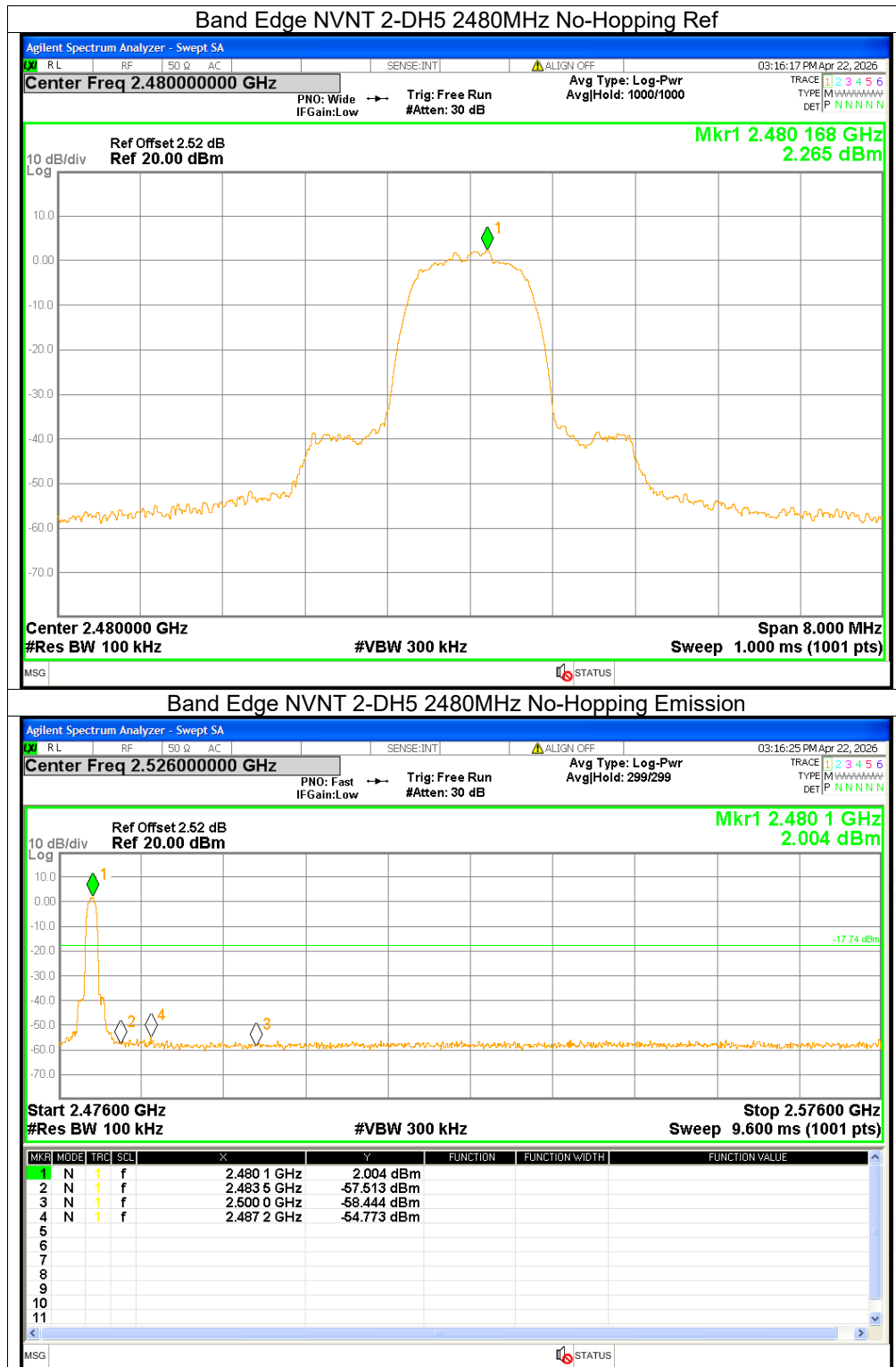
Band Edge

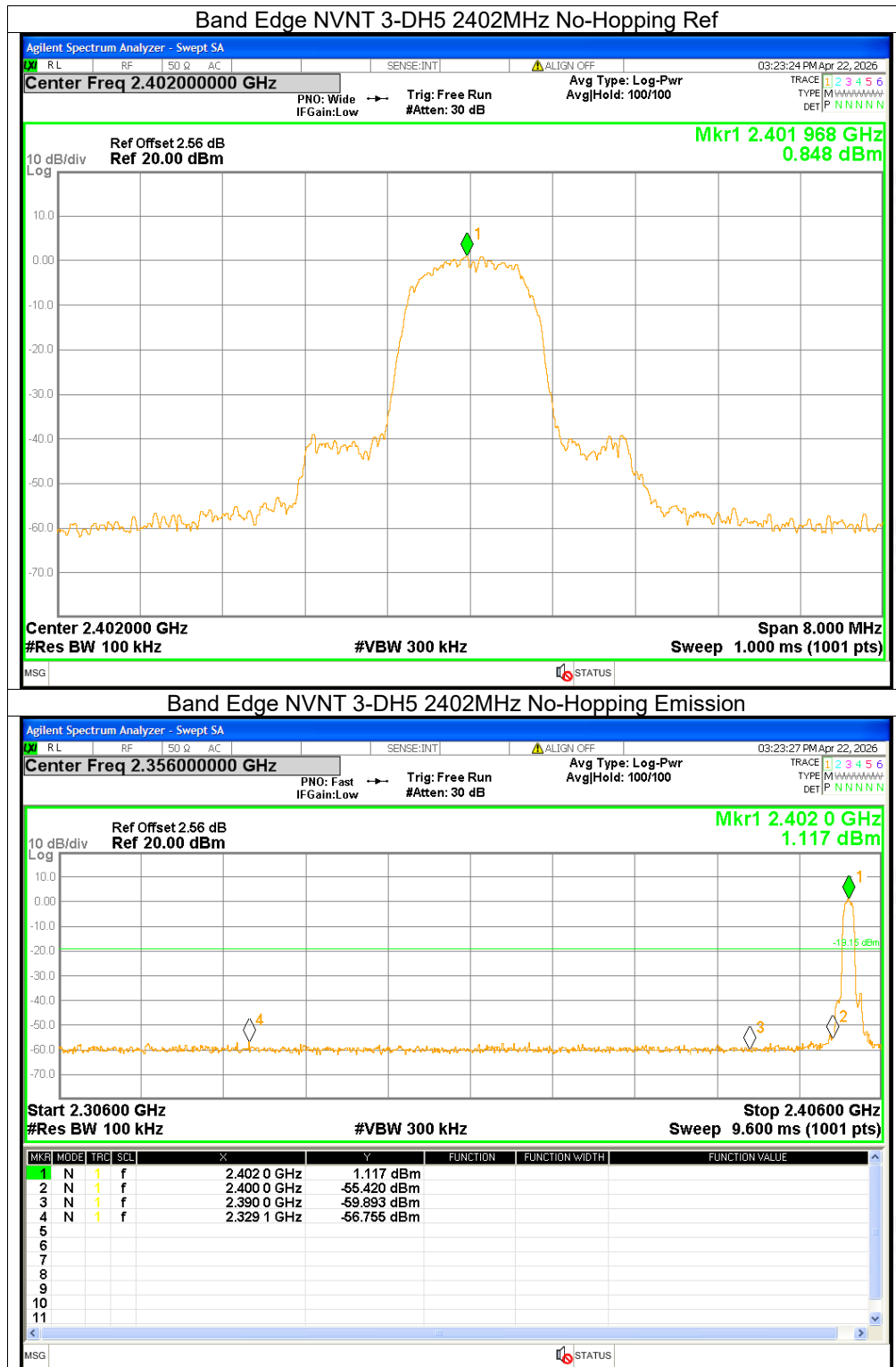
Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	No-Hopping	-53.49	≤ -20	Pass
NVNT	1-DH5	2480	No-Hopping	-58.53	≤ -20	Pass
NVNT	2-DH5	2402	No-Hopping	-58.51	≤ -20	Pass
NVNT	2-DH5	2480	No-Hopping	-57.04	≤ -20	Pass
NVNT	3-DH5	2402	No-Hopping	-57.6	≤ -20	Pass
NVNT	3-DH5	2480	No-Hopping	-57.92	≤ -20	Pass

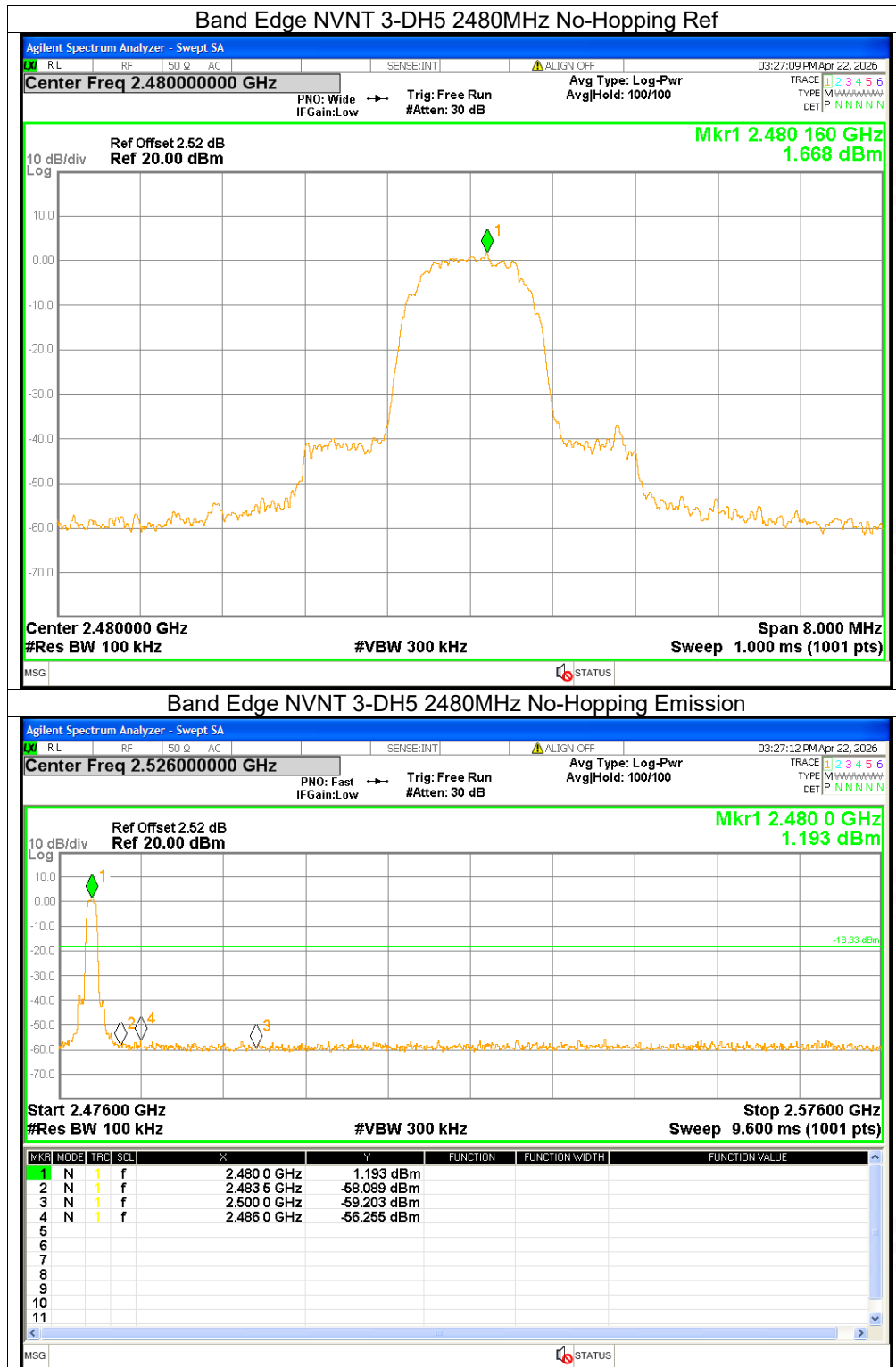








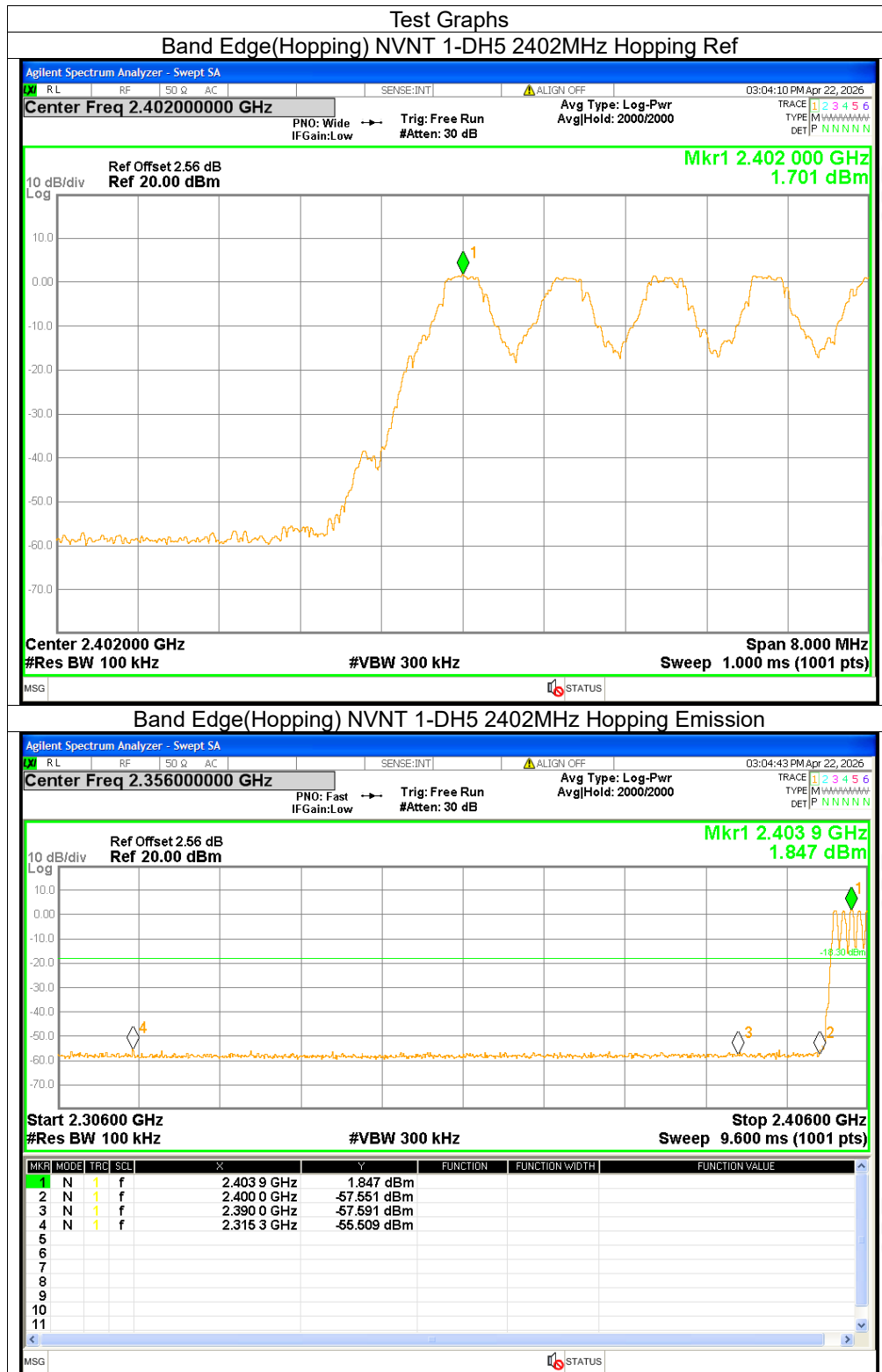




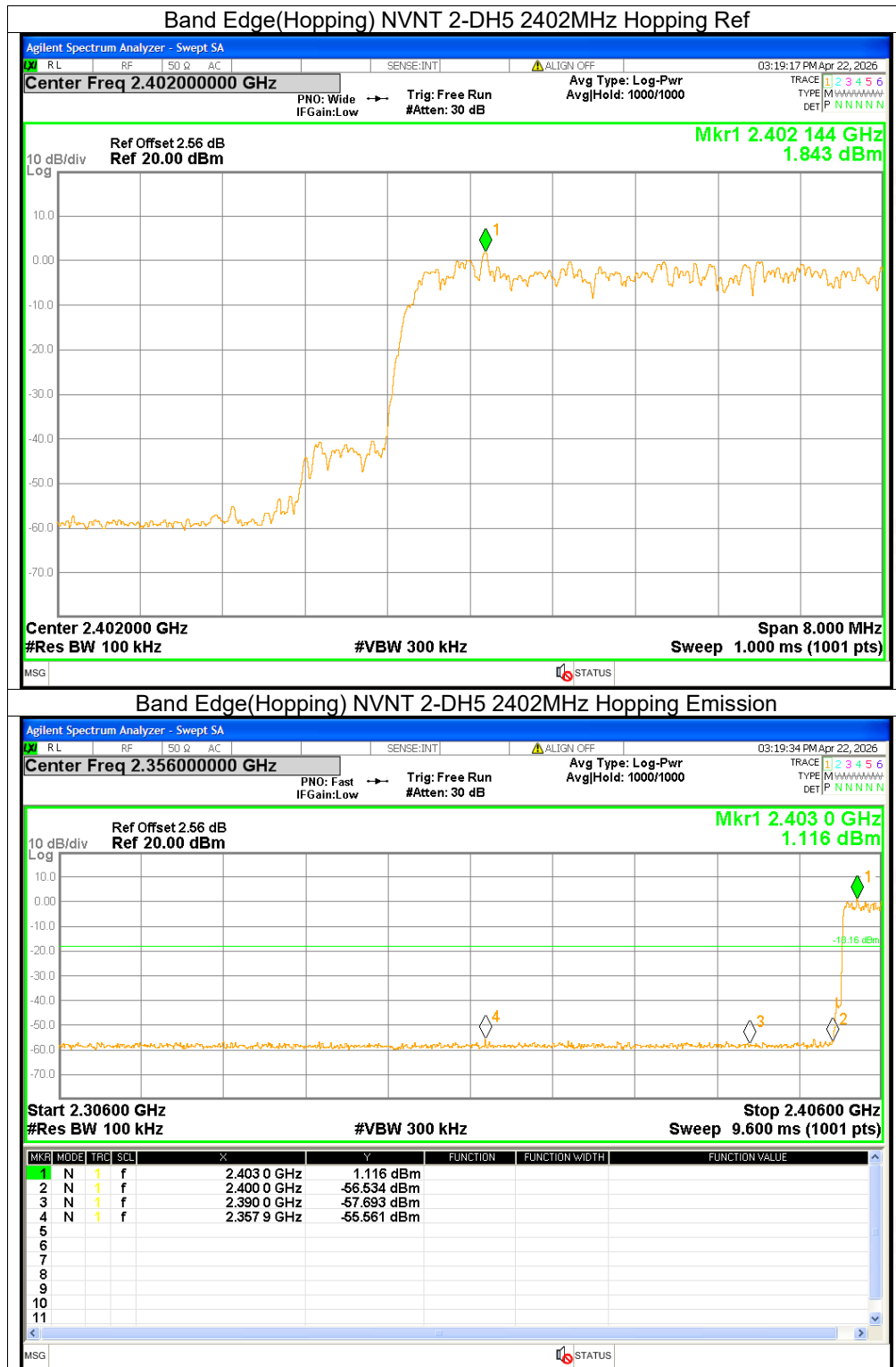


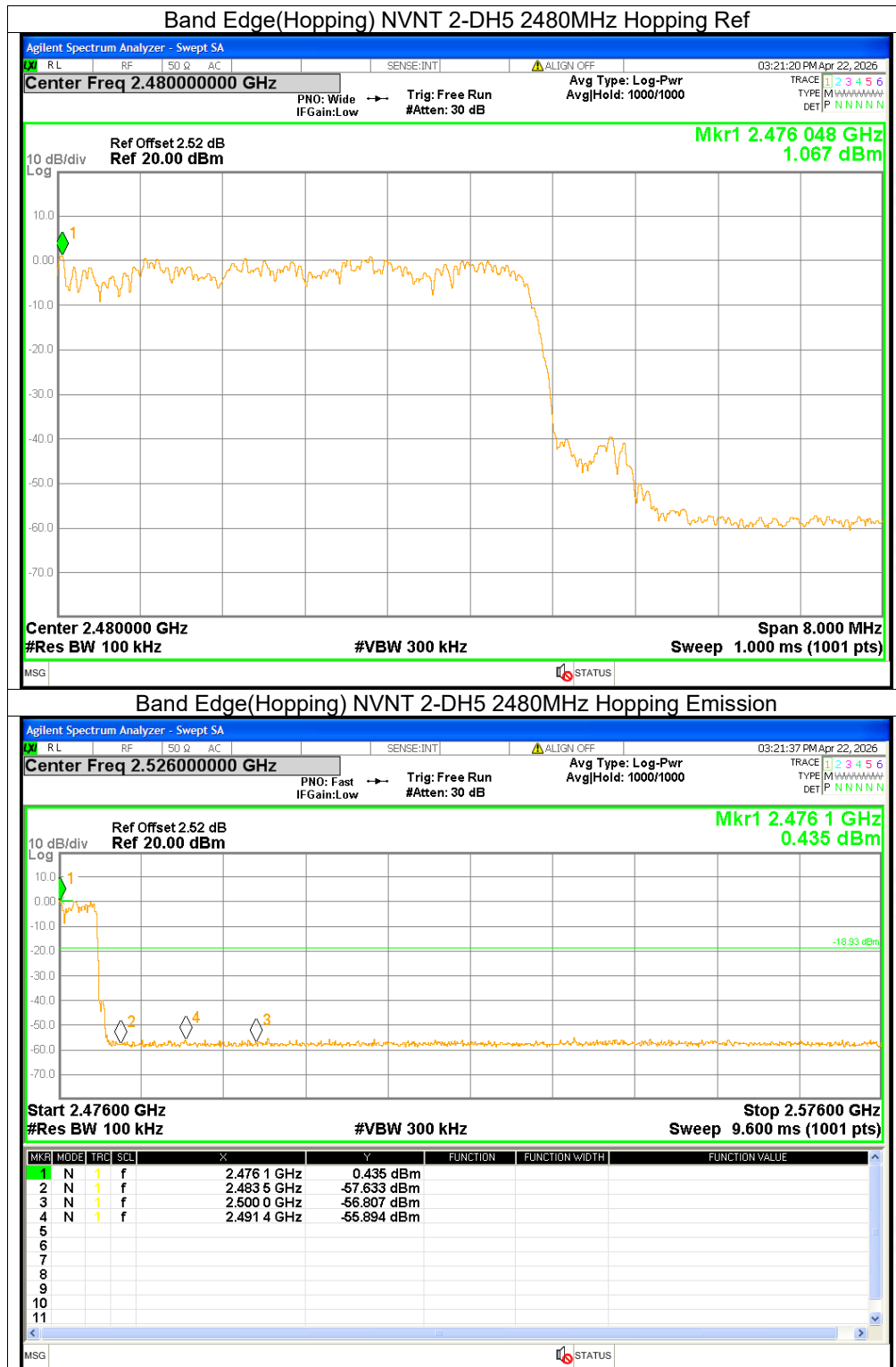
Band Edge(Hopping)

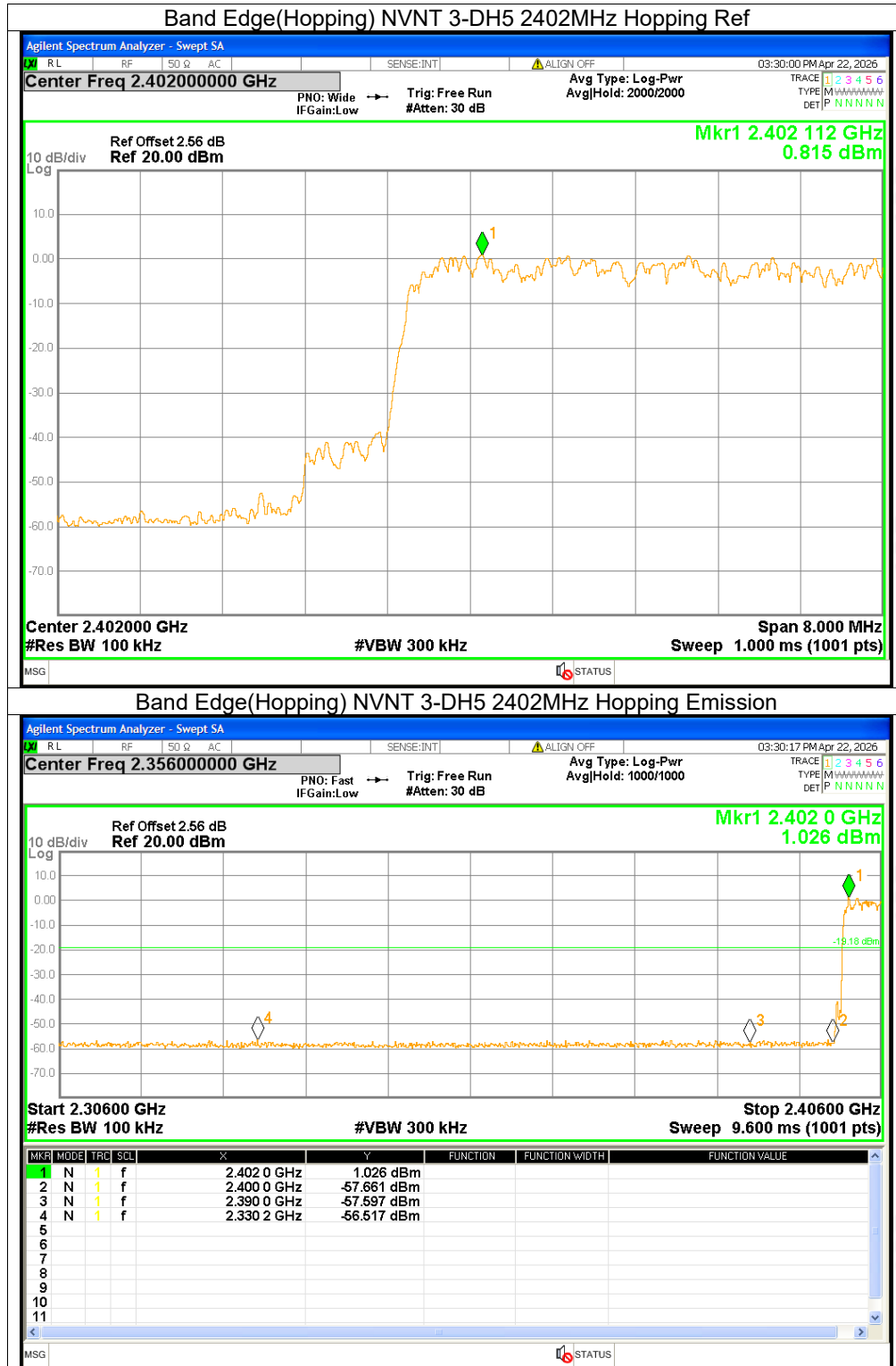
Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Hopping	-57.2	≤ -20	Pass
NVNT	1-DH5	2480	Hopping	-57.66	≤ -20	Pass
NVNT	2-DH5	2402	Hopping	-57.4	≤ -20	Pass
NVNT	2-DH5	2480	Hopping	-56.96	≤ -20	Pass
NVNT	3-DH5	2402	Hopping	-57.33	≤ -20	Pass
NVNT	3-DH5	2480	Hopping	-56.7	≤ -20	Pass

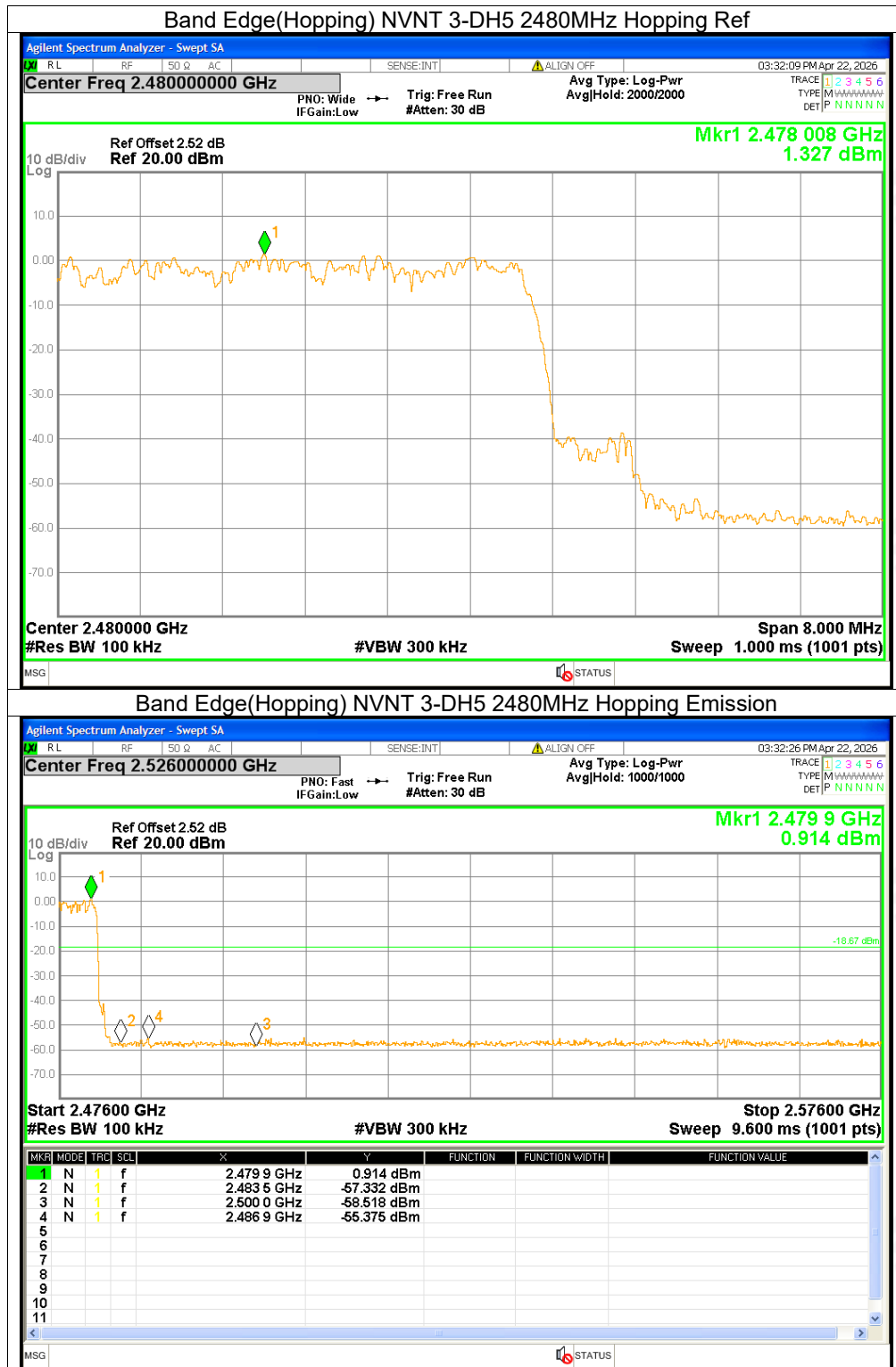








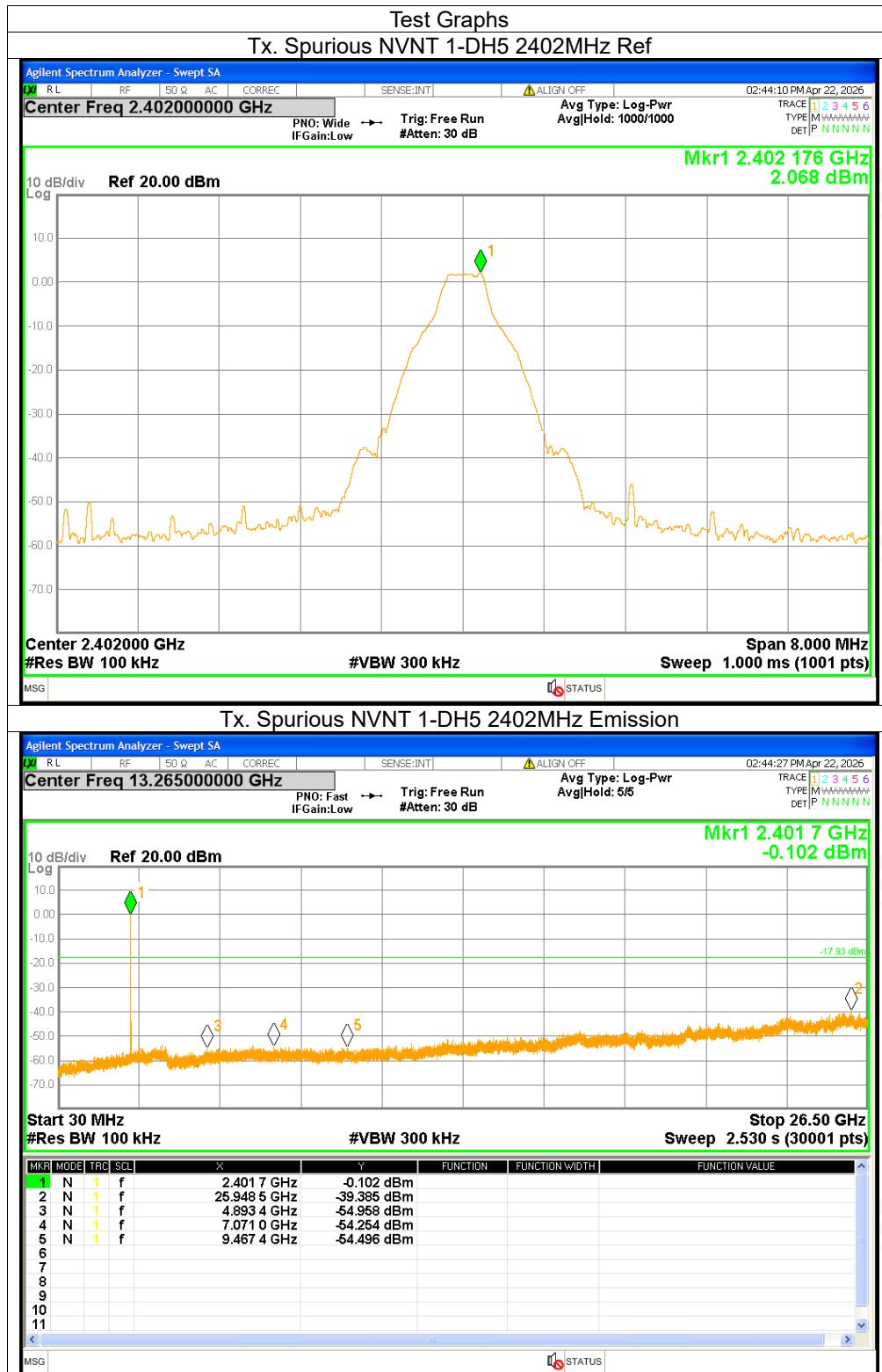


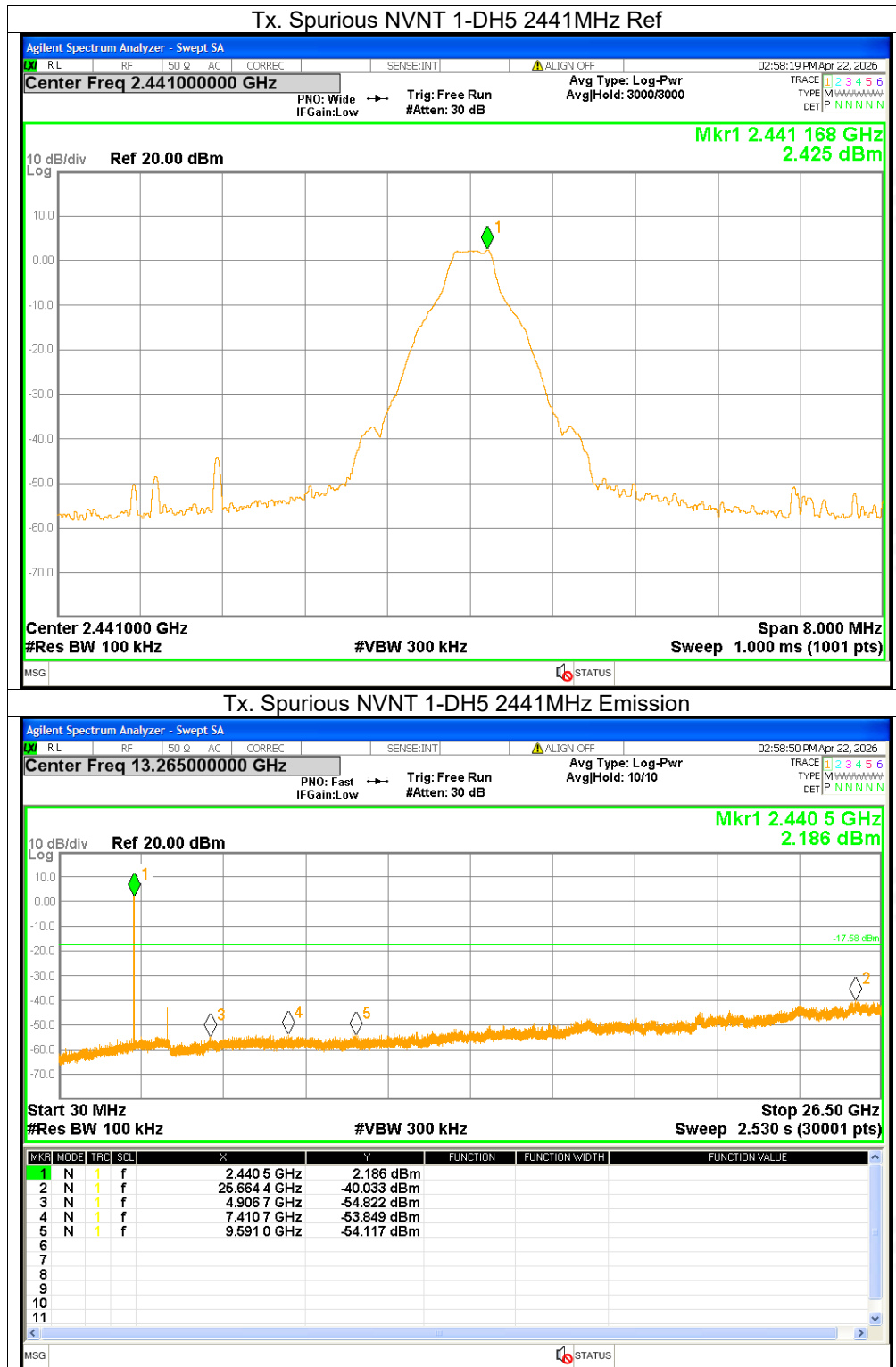


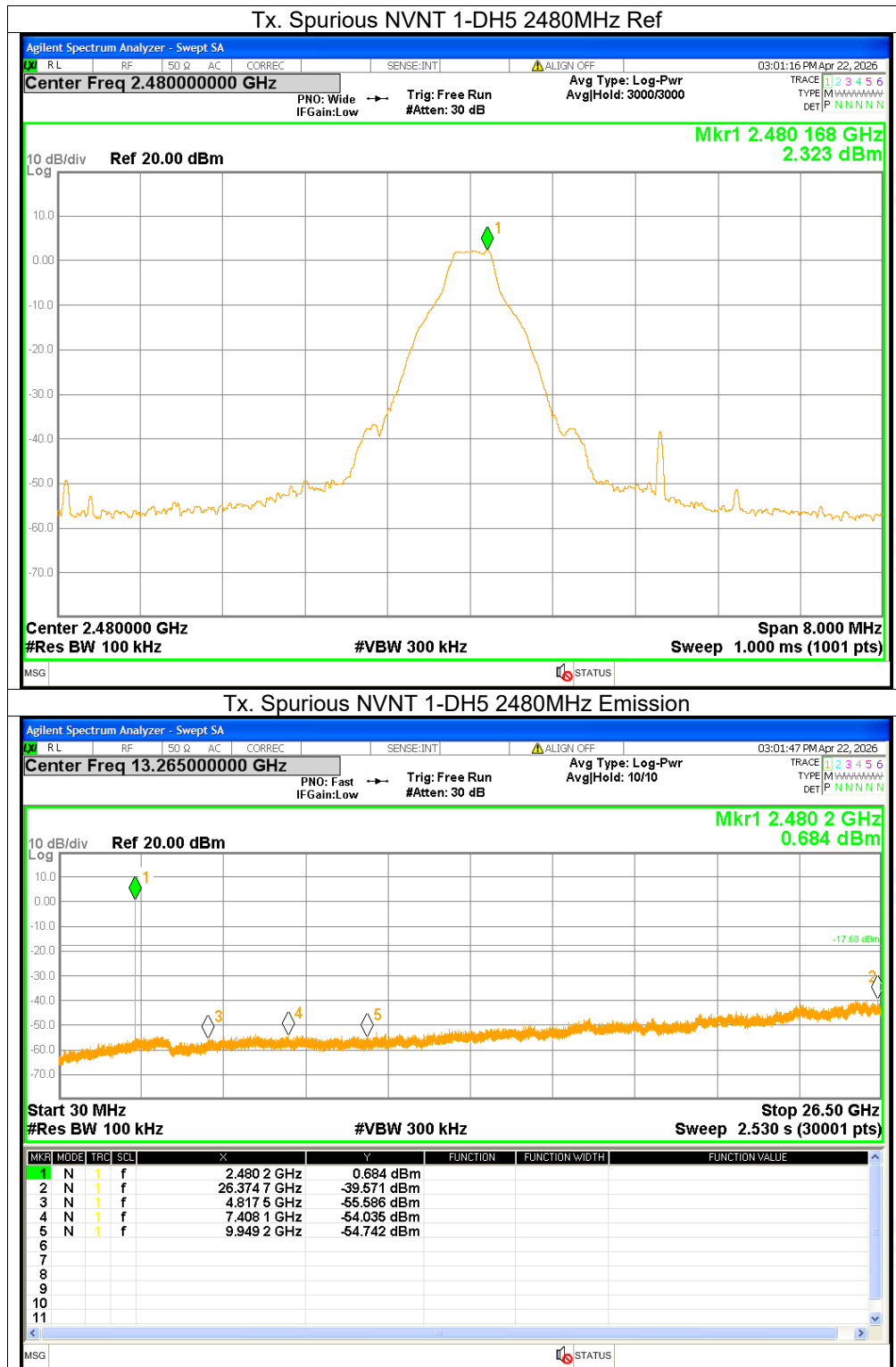


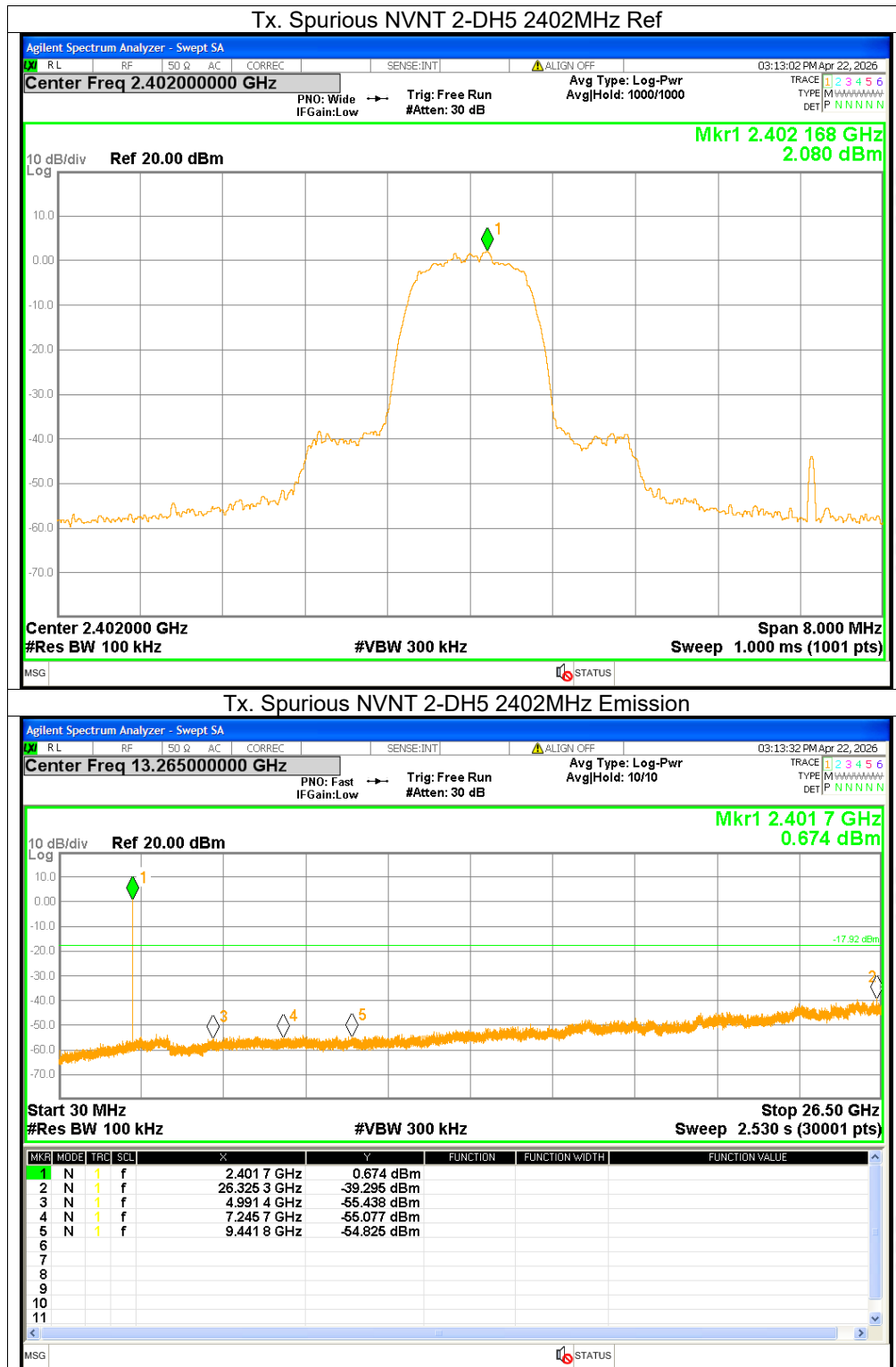
Conducted RF Spurious Emission

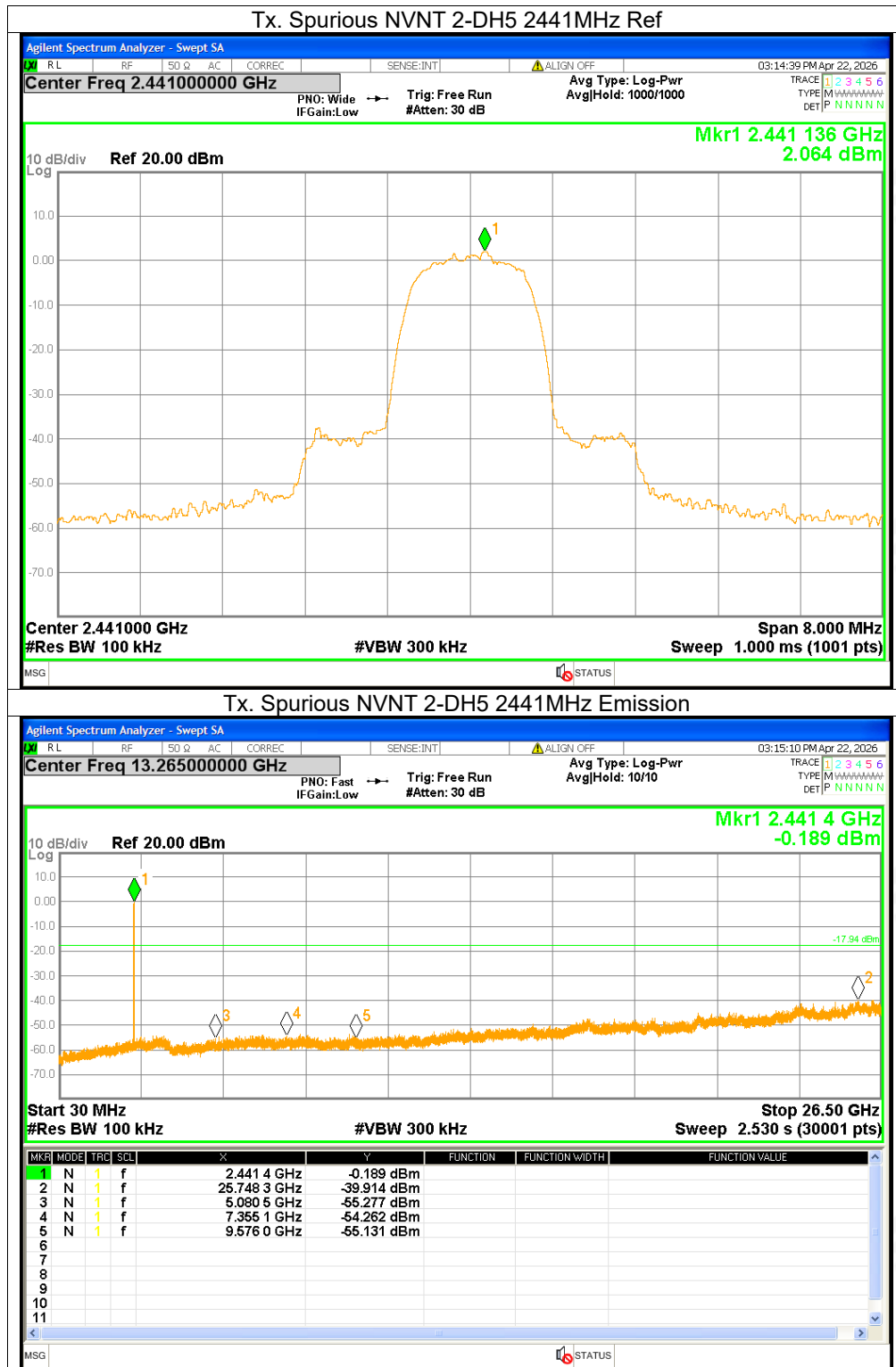
Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	-41.45	<=-20	Pass
NVNT	1-DH5	2441	-42.46	<=-20	Pass
NVNT	1-DH5	2480	-41.89	<=-20	Pass
NVNT	2-DH5	2402	-41.37	<=-20	Pass
NVNT	2-DH5	2441	-41.97	<=-20	Pass
NVNT	2-DH5	2480	-41.42	<=-20	Pass
NVNT	3-DH5	2402	-42.47	<=-20	Pass
NVNT	3-DH5	2441	-42.31	<=-20	Pass
NVNT	3-DH5	2480	-42.21	<=-20	Pass

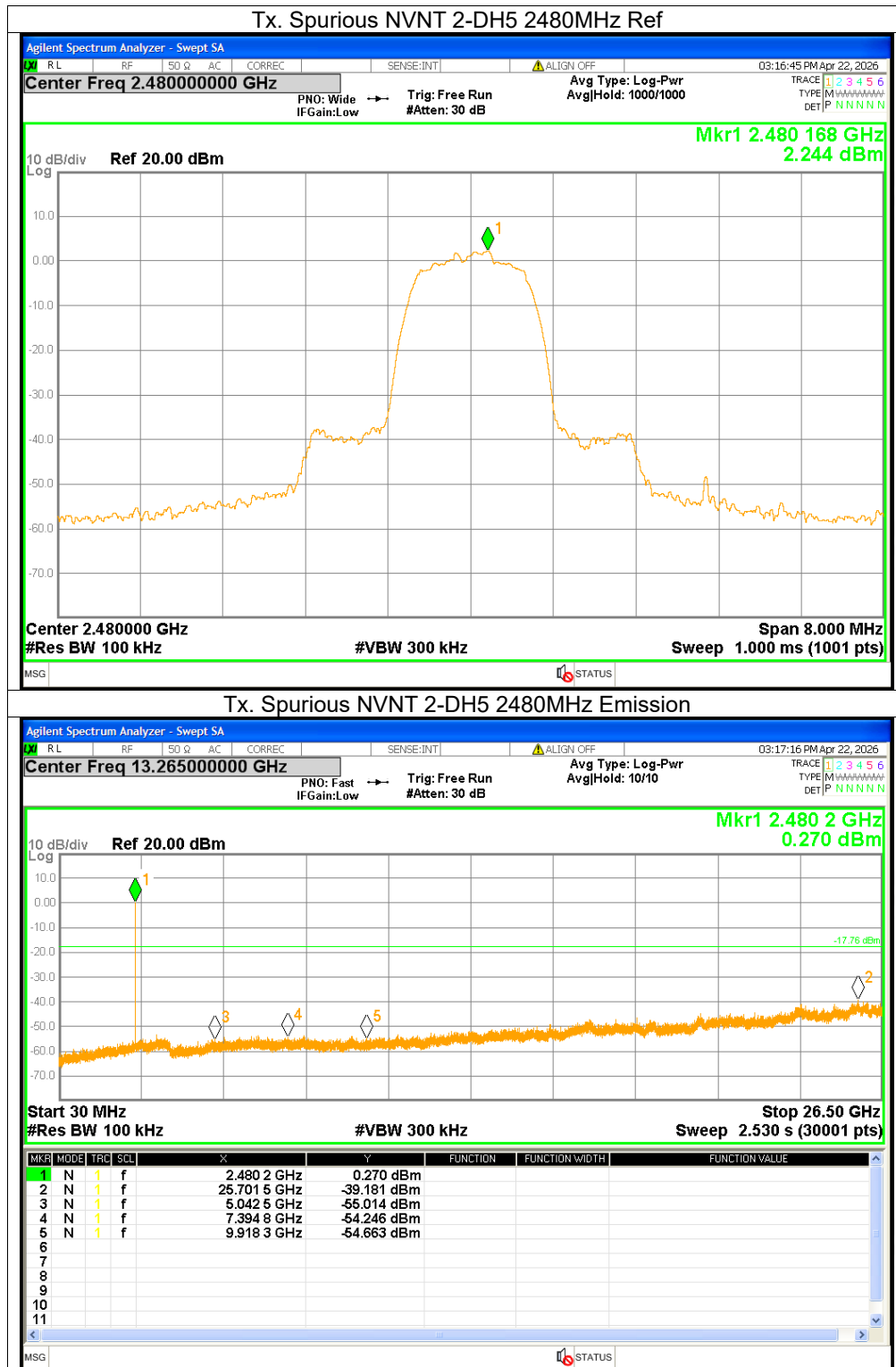


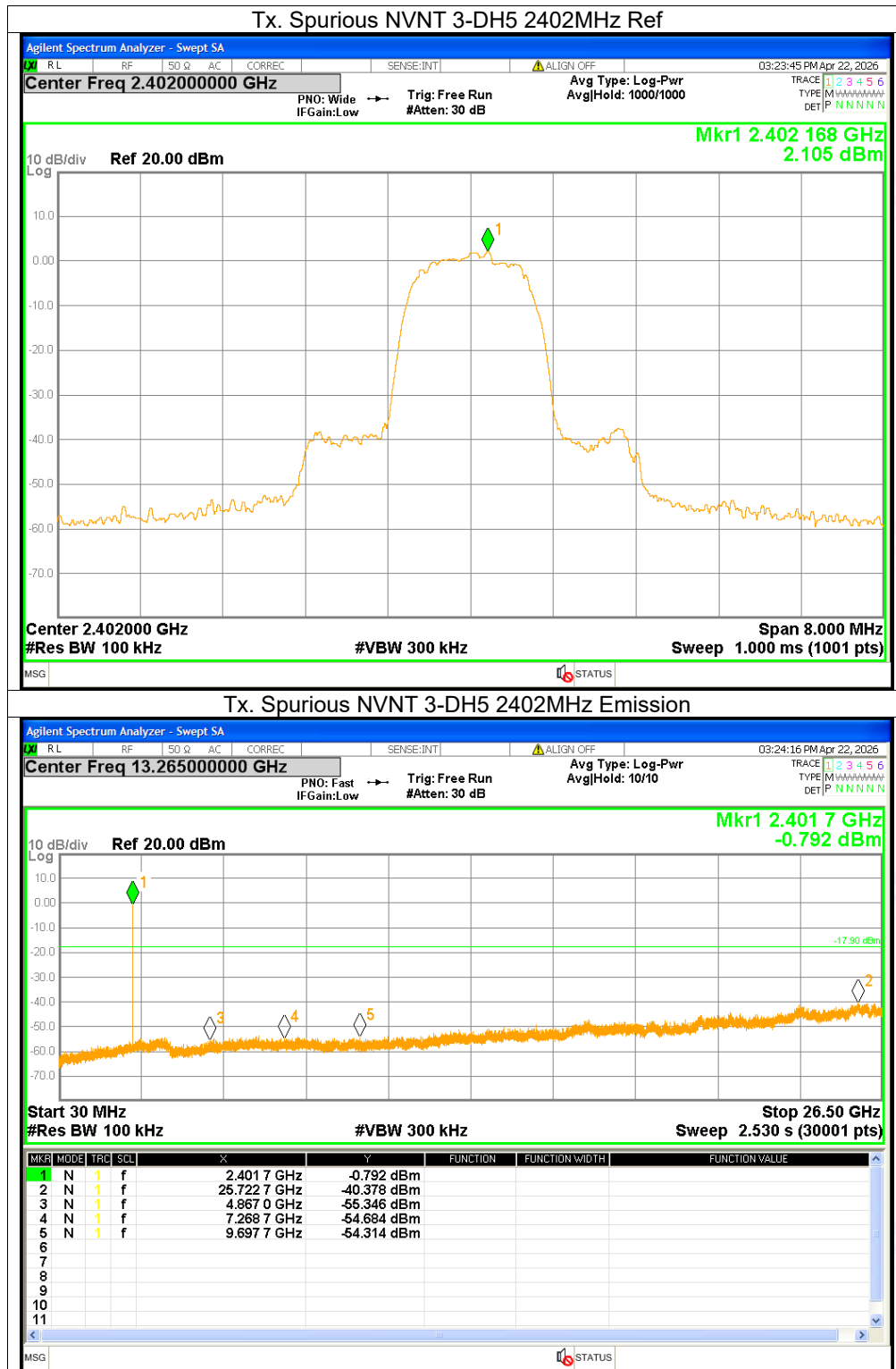


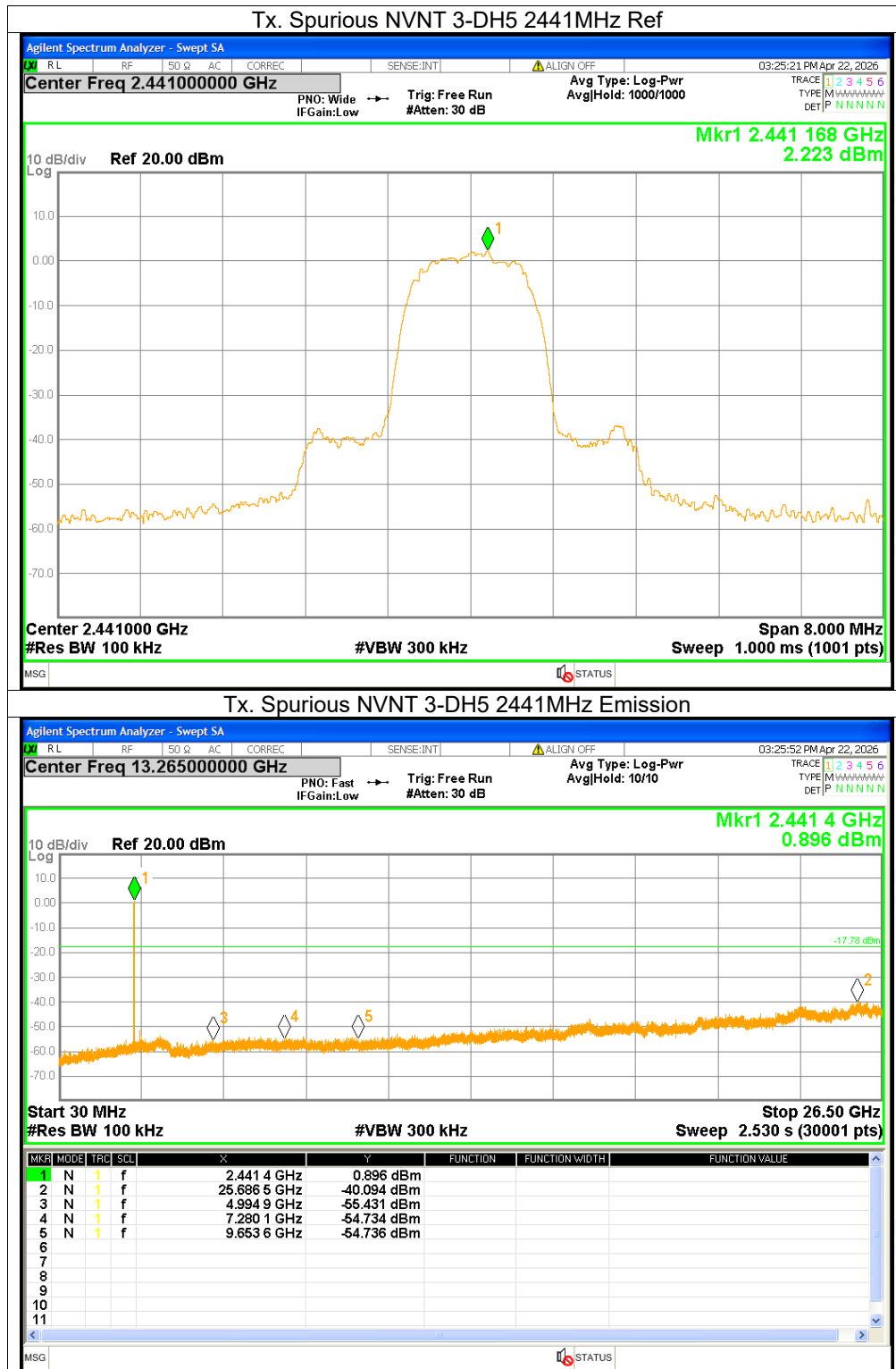


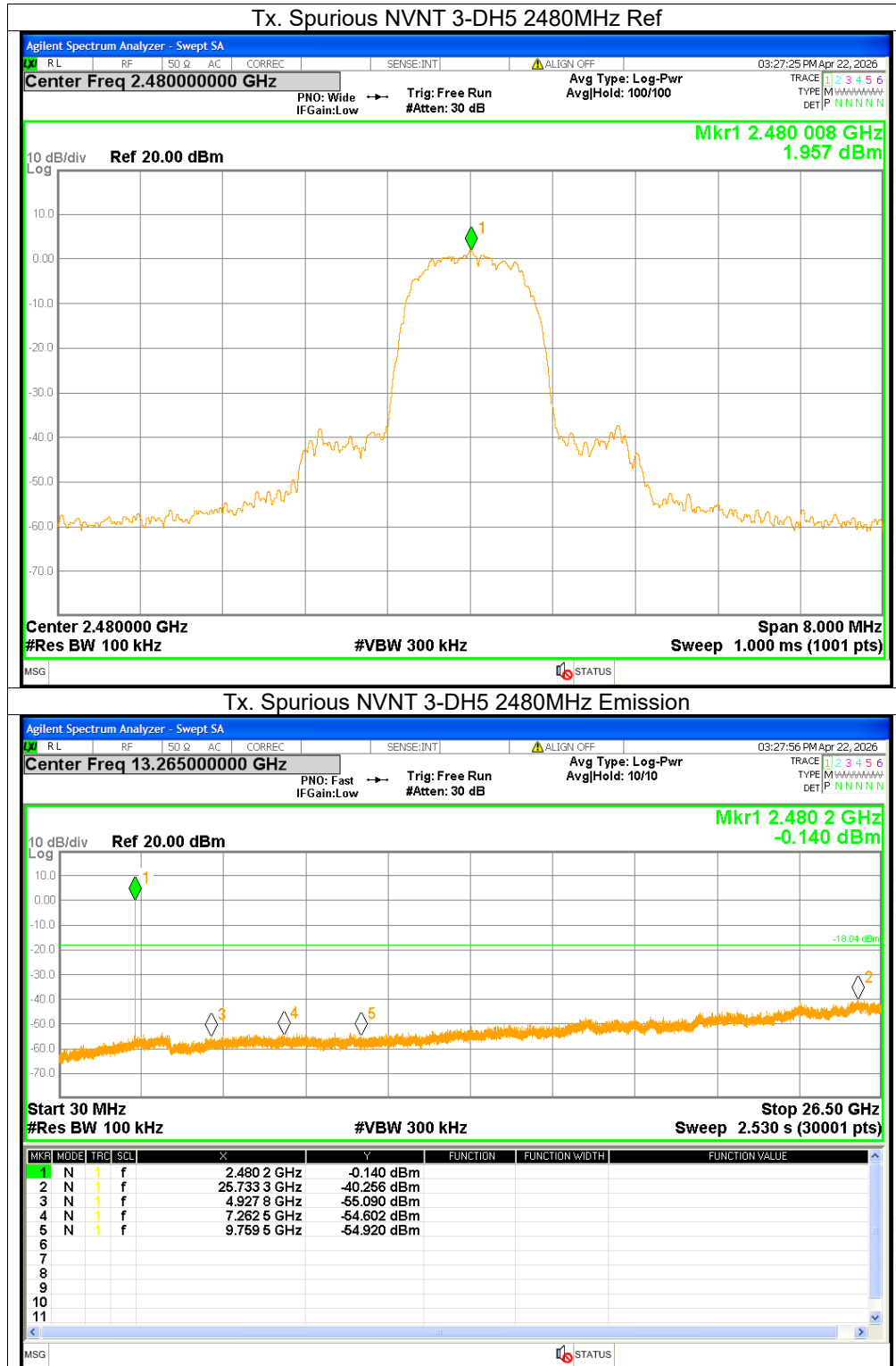








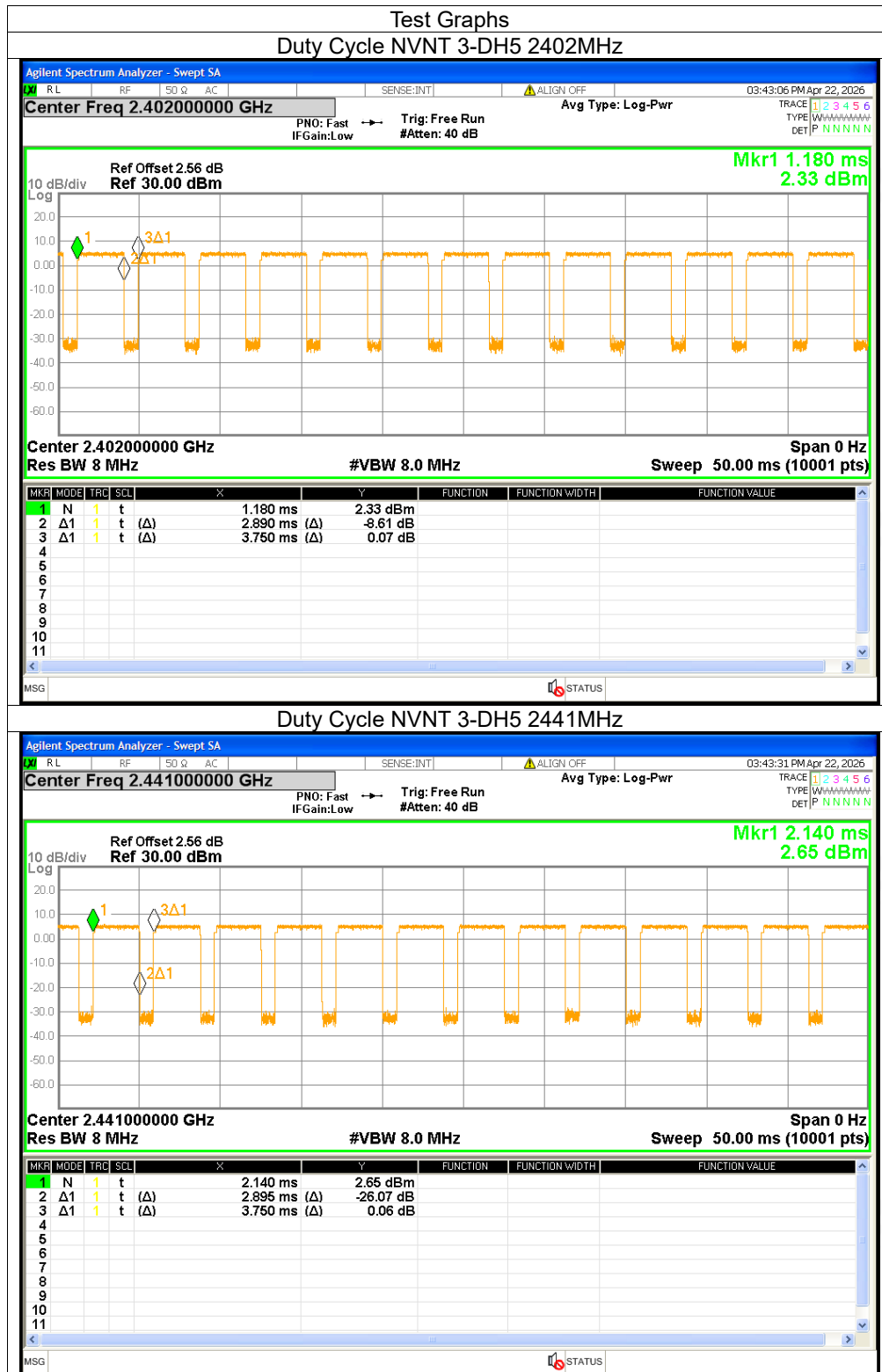


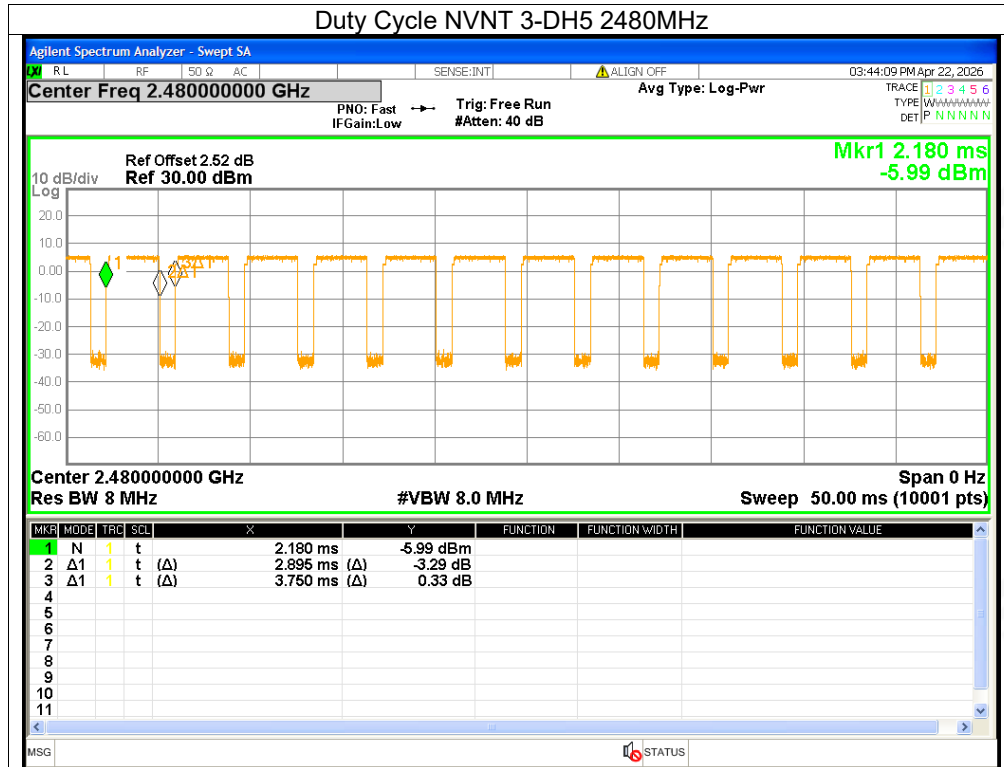




Duty Cycle

Condition	Mode	Frequency (MHz)	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	3-DH5	2402	2.89	3.75	77.07	1.13	0.35
NVNT	3-DH5	2441	2.895	3.75	77.2	1.12	0.35
NVNT	3-DH5	2480	2.895	3.75	77.2	1.12	0.35

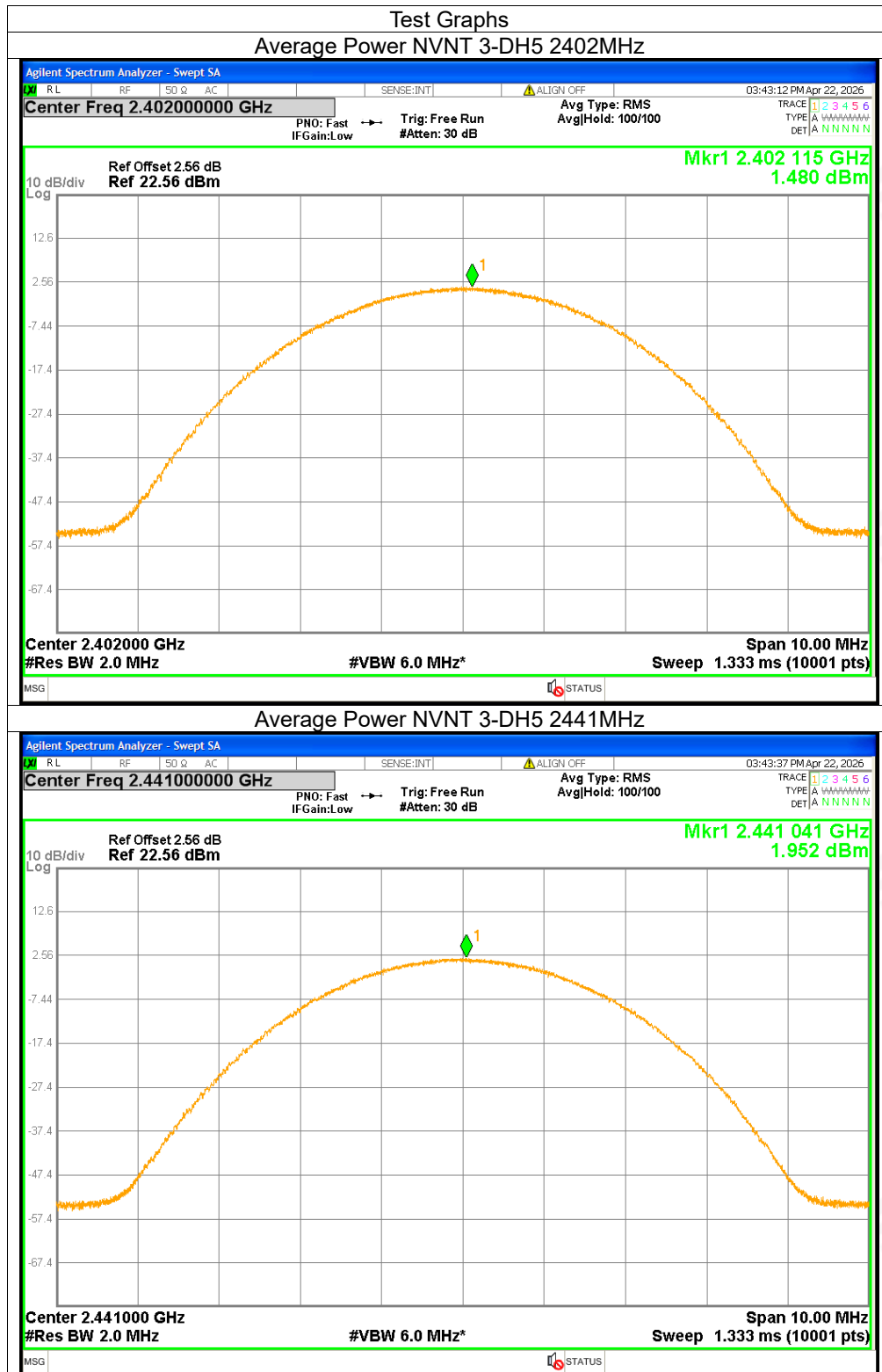


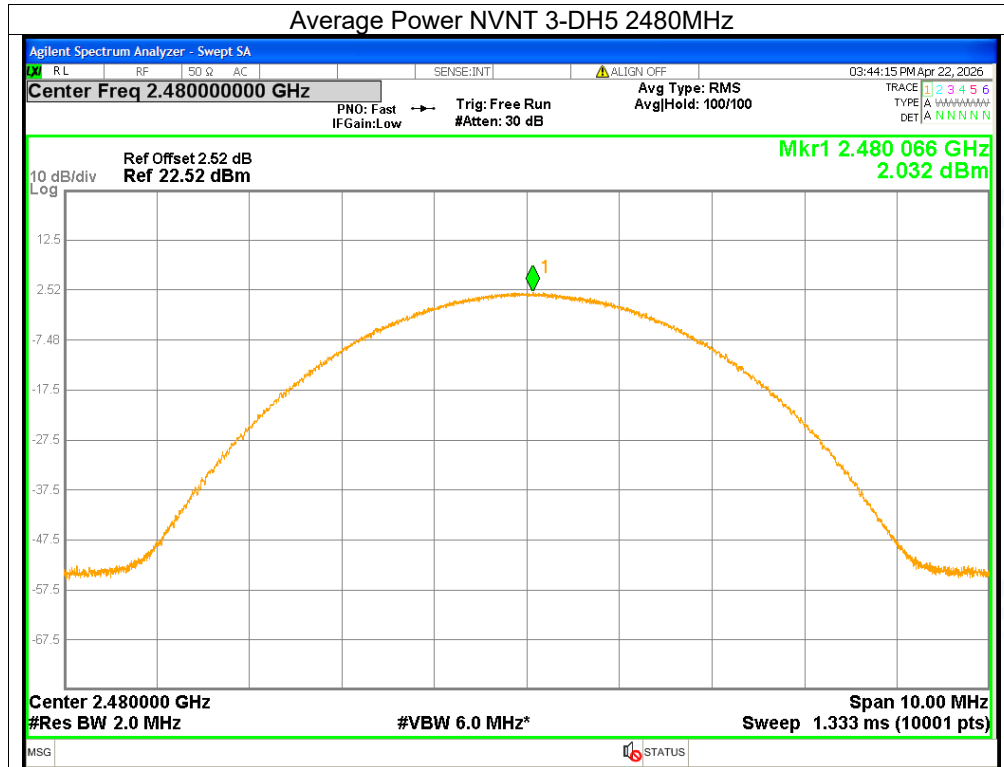




Maximum Average Conducted Output Power

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	3-DH5	2402	1.48	1.13	2.61	<=30	Pass
NVNT	3-DH5	2441	1.95	1.12	3.07	<=30	Pass
NVNT	3-DH5	2480	2.03	1.12	3.15	<=30	Pass







APPENDIX 2-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

※※※※※END OF THE REPORT※※※※※