



RF TEST REPORT

Product Name: Robot Vacuum Cleaner

Model Name: JL1550C, Q6 SE, L6 Nex

FCC ID: 2AV2K-L1550C

Issued For : Guangdong Joy Intelligent Technology Co., Ltd.

Room 1201, No. 58, Second Street, Mawu New Village,
Changping Town, Dongguan, 523586 Guangdong, P.R.
China

Issued By : Shenzhen LGT Test Service Co., Ltd.

Room 205, Building 13, Zone B, Chen Hsong Industrial Park,
No.177 Renmin West Road, Jinsha Community, Kengzi
Street, Pingshan New District, Shenzhen, China

Report Number: LGT22H004RF01

Sample Received Date: Aug. 04, 2022

Date of Tested: Aug. 04, 2022 ~ Sep. 19, 2022

Date of Issue: Sep. 19, 2022

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TEST REPORT CERTIFICATION

Applicant Guangdong Joy Intelligent Technology Co., Ltd.
Address Room 1201, No. 58, Second Street, Mawu New Village,
Changping Town, Dongguan, 523586 Guangdong, P.R.
China

Manufacturer Guangdong Joy Intelligent Technology Co., Ltd.
Address Room 1201, No. 58, Second Street, Mawu New Village,
Changping Town, Dongguan, 523586 Guangdong, P.R.
China

Product Name Robot Vacuum Cleaner

Trade Mark N/A

Model Name JL1550C, Q6 SE, L6 Nex

Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC Part 15.247, Subpart C ANSI C63.10-2013	PASS

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Revision History

Rev.	Issue Date	Contents
00	Sep. 19, 2022	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)(2)	6dB Bandwidth	PASS	--
15.247 (b)(3)	Output Power	PASS	--
15.209	Radiated Spurious Emission	PASS	--
15.247 (d)	Conducted Spurious & Band Edge Emission	PASS	--
15.247 (e)	Power Spectral Density	PASS	--
15.205	Restricted Band Edge Emission	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 C63.10-2013.



1.1 TEST FACTORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Chen Hsong Industrial Park, No.177 Renmin West Road, Jinsha Community, Kengzi Street, Pingshan New District, Shenzhen, China
Accreditation Certificate	FCC Registration No.: 746540
	A2LA Certificate No.: 6727.01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded 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	$\pm 0.63\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.946\text{dB}$
3	All emissions, radiated 9K-30MHz	$\pm 2.50\text{dB}$
4	All emissions, radiated 30M-1GHz	$\pm 4.40\text{dB}$
5	All emissions, radiated 1G-6GHz	$\pm 5.10\text{dB}$
6	All emissions, radiated >6G	$\pm 5.49\text{dB}$
7	Conducted Emission (9KHz-150KHz)	$\pm 3.18\text{dB}$
8	Conducted Emission (150KHz-30MHz)	$\pm 2.70\text{dB}$



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Robot Vacuum Cleaner	
Trade Mark	N/A	
Model Name	JL1550C	
Series Model	Q6 SE, L6 Nex	
Model Difference	Only the model name is different	
Product Description	The EUT is a Robot Vacuum Cleaner	
	Operation Frequency:	802.11b/g/n 20: 2412~2462 MHz 802.11n(40MHz):2422~2452MHz
	Modulation Type:	802.11b(DSSS):CCK,DQPSK,DBPSK 802.11g(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM
	Bit Rate of Transmitter:	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6Mbps 802.11n(20MHz): 65/58.5/52/39/26/19.5/13/6.5Mbps 802.11n(40MHz): 135/121.5/108/81/54/40.5/37/13.5Mbps
	Number of Channel:	802.11b/g/n20: 11CH 802.11n 40: 7CH
	Antenna Designation:	FPCB antenna
	Antenna Gain (dBi):	4.2
Channel List	Please refer to the Note 2.	
Rating	19VDC 0.6A	
Battery	Capacity: 2600 mAh Rated Voltage: 14.4 V	
Hardware version number	N/A	
Software version number	N/A	
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.

Operation Frequency of channel			
802.11b/g/n(20MHz)		Channel List for 802.11n(40MHz)	
Channel	Frequency	Channel	Frequency
01	2412	03	2422
02	2417	04	2427
03	2422	05	2432
04	2427	06	2437
05	2432	07	2442
06	2437	08	2447
07	2442	09	2452
08	2447		
09	2452		
10	2457		
11	2462		

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Carrier Frequency Channel

2.4GHz Test Frequency:

For 802.11b/g/n (HT20)		For 802.11n (HT40)	
Channel	Freq.(MHz)	Channel	Freq.(MHz)
01	2412	03	2422
06	2437	06	2437
11	2462	09	2452

3.

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	N/A	L1250	FPCB	I-PEX	4.2	WLAN Antenna

Note: The antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report.



2.2 DESCRIPTION OF THE TEST MODES

Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Worst Mode	Description	Data Rate
Mode 1	TX IEEE 802.11b CH1	1 Mbps
Mode 2	TX IEEE 802.11b CH6	1 Mbps
Mode 3	TX IEEE 802.11 b CH11	1 Mbps
Mode 4	TX IEEE 802.11g CH1	6 Mbps
Mode 5	TX IEEE 802.11g CH6	6 Mbps
Mode 6	TX IEEE 802.11g CH11	6 Mbps
Mode 7	TX IEEE 802.11n HT20 CH1	MCS 0
Mode 8	TX IEEE 802.11n HT20 CH6	MCS 0
Mode 9	TX IEEE 802.11n HT20 CH11	MCS 0
Mode 10	TX IEEE 802.11n HT40 CH3	MCS 0
Mode 11	TX IEEE 802.11n HT40 CH6	MCS 0
Mode 12	TX IEEE 802.11n HT40 CH9	MCS 0

Note:

- (1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.
- (2) We have be tested for all avaiable 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.
- (3) The battery is fully-charged during the radited and RF conducted test.

AC Conducted Emission

Test Case	
AC Conducted Emission	Mode13: Keeping WIFI TX+Charging

2.3 TEST SOFTWARE AND POWER LEVEL

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level.

RF Function	Type	Mode Or Modulation type	ANT Gain(dBi)	Power Class	Software For Testing
WIFI(2.4G)	2.4G WIFI	802.11b	4.2	Default	Terminal_v1.9
		802.11g		Default	
		802.11n(HT20)		Default	
		802.11n(HT40)		Default	



2.4 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.

Accessories Equipment

Description	Manufacturer	Model	S/N	Rating
Automatic Dirt Disposal	N/A	LS-06	N/A	Input: 120Vac 50/60Hz Output: 19V 0.6A

Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Laptop	HUAWEI	HKF-16	N/A	N/A
USB cable	N/A	N/A	N/A	1.2m, shielded

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”.



2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Company No.	Last calibration	Calibrated until
EMI Test Receiver	R&S	ESU8	100372	2022.04.12	2023.04.11
Active loop Antenna	R&S	HFH2-Z2	POS87139818 1	2022.06.02	2024.06.01
Spectrum Analyzer	Kesight	N9010B	MY60242508	2022.04.29	2023.04.28
Bilog Antenna	SCHAFFNER	CBL6112B	2705	2022.06.05	2024.06.04
Horn Antenna	SCHWARZBECK	3115	10SL0060	2022.06.02	2024.06.01
Pre-amplifier(0.1M-3G Hz)	HP	8447D	2727A05655	2022.04.11	2023.04.10
Pre-amplifier(1-26.5G)	Agilent	8449B	3008A4722	2022.04.13	2023.04.12
RE Cable (9K-1G)	N.A	R01	N.A	2022.05.05	2023.05.04
RE Cable (1-26G)	N.A	R02	N.A	2022.05.05	2023.05.04
Wireless Communications Test Set	R&S	CMW 500	137737	2022.04.29	2023.04.28
Temperature & Humidity	KTJ	TA218B	N.A	2022.05.05	2023.05.04
Testing Software	EZ-EMC(Ver.STSLAB 03A1 RE)				

Conduction Test equipment

Kind of Equipment	Manufacturer	Type No.	Company No.	Last calibration	Calibrated until
EMI Test Receiver	R&S	ESU8	100372	2022.04.12	2023.04.11
LISN	COM-POWER	LI-115	02032	2022.04.13	2023.04.12
LISN	SCHWARZBECK	NNLK 8121	00847	2022.08.19	2023.08.18
CE Cable	N.A	C01	N.A	2022.05.05	2023.05.04
Transient Limiter	CYBERTEK	EM5010A	E2250100049	2022.08.19	2023.08.18
Temperature & Humidity	KTJ	TA218B	N.A	2022.05.05	2023.05.04
Testing Software	EZ-EMC(Ver.EMC-CON 3A1.1)				

RF Connected Test

Kind of Equipment	Manufacturer	Type No.	Company No.	Last calibration	Calibrated until
Signal Analyzer	keysight	N9010B	MY60242508	2022.04.29	2023.04.28
RF Automatic Test system	MW	MW200-RFCB	MW220322LG	2022.04.29	2023.04.28
Temperature & Humidity	KTJ	TA218B	N.A	2022.05.05	2023.05.04
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2022.05.10	2023.05.09
Attenuator	eastsheep	90db	N.A	2022.04.29	2023.04.28
Router	WAVLINK	WL-WN575A2	WL1512260336	N.C.R	N.C.R
Router	TP-LINK	TL-WR885N	1125074010735	N.C.R	N.C.R
Testing Software	MTS8310_V2.0.0.0_迈微				



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 Emissionlimit (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.

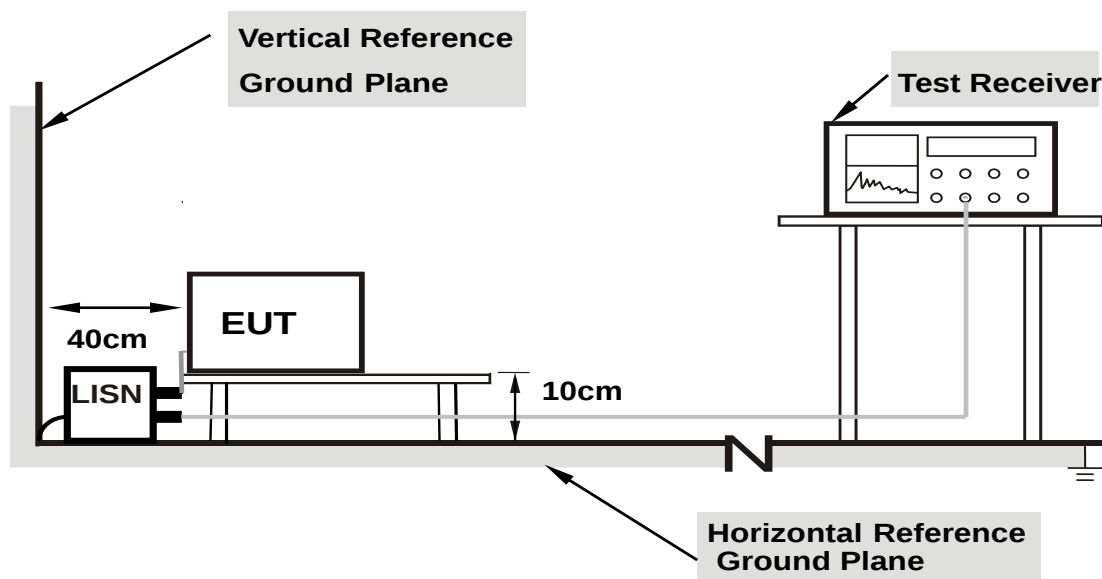
The following table is the setting of the receiver

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 0.1 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.

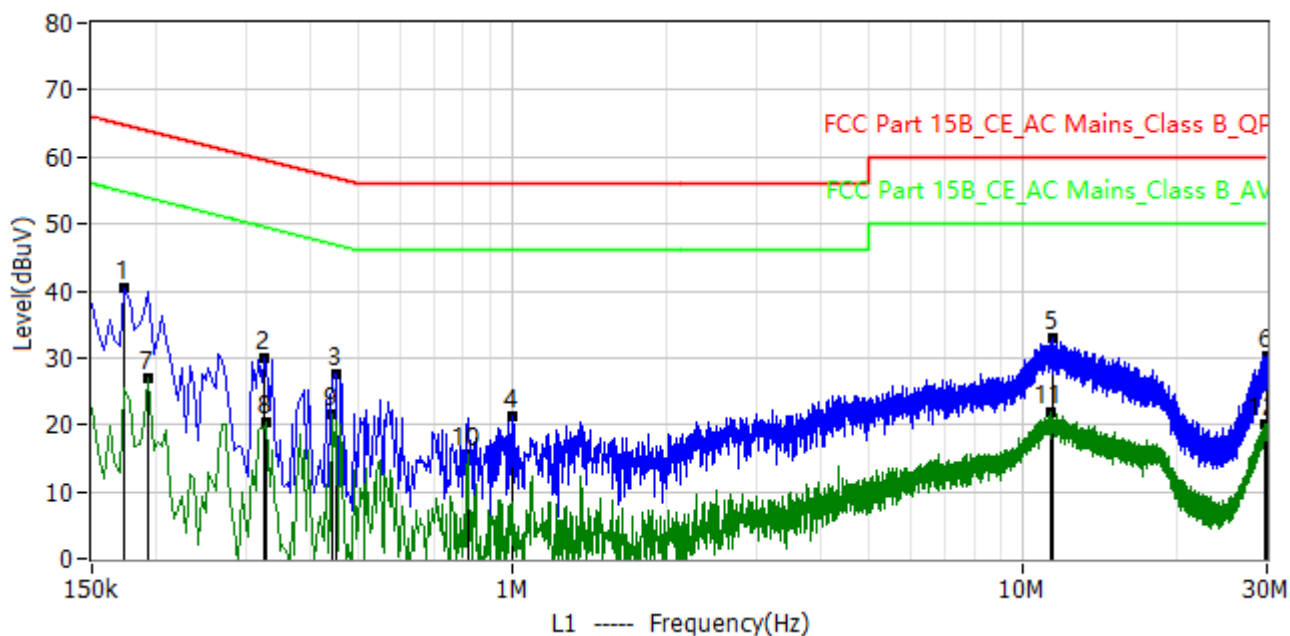
3.1.4 EUT OPERATING CONDITIONS

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.

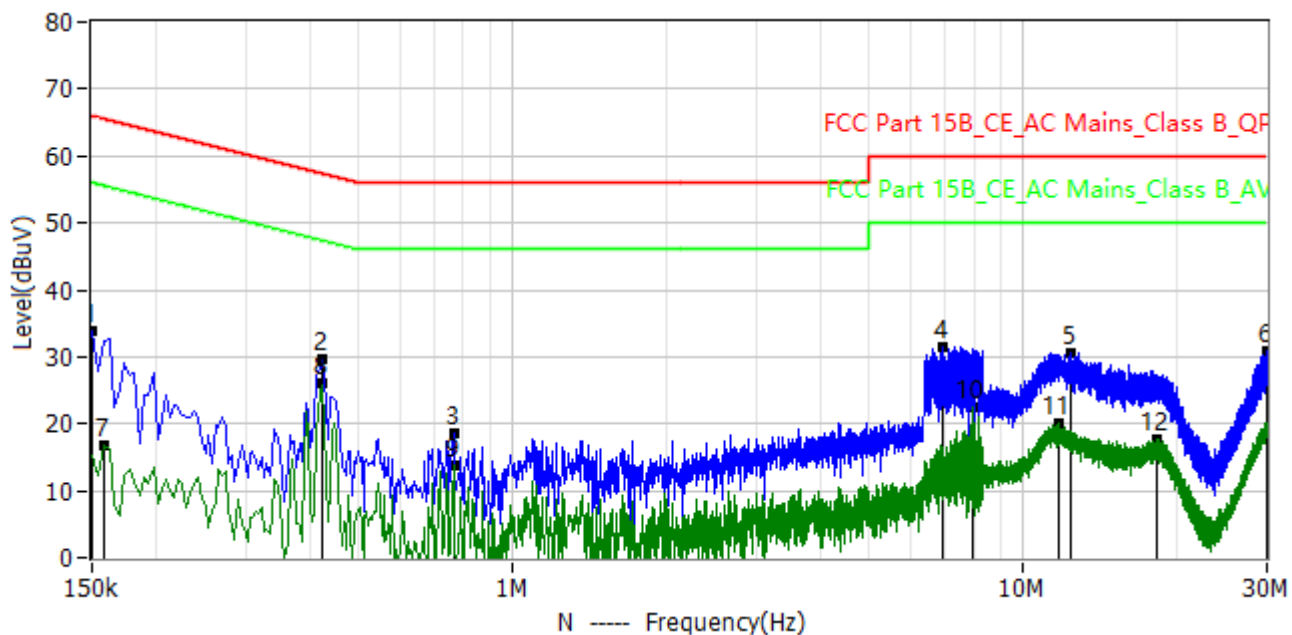


3.1.5 TEST RESULT

Temperature: 24.2°C	Humidity: 51%RH
M/N: JL1550C	Test Voltage: AC 120V/60Hz
Test Mode: Mode 13	Test Data: 2022-08-07



No.	Frequency	Limit dBuV	Level dBuV	Delta dB	Reading dBuV	Factor dB	Detector	Phase
1*	174.000kHz	64.77	40.41	-24.36	29.91	10.50	QP	L1
2*	326.000kHz	59.55	29.98	-29.57	19.48	10.50	QP	L1
3*	450.000kHz	56.88	27.69	-29.18	17.19	10.50	QP	L1
4*	994.000kHz	56.00	21.24	-34.76	10.71	10.53	QP	L1
5*	11.430MHz	60.00	32.99	-27.01	22.01	10.98	QP	L1
6*	29.962MHz	60.00	30.30	-29.70	19.08	11.22	QP	L1
7*	194.000kHz	53.86	26.99	-26.87	16.49	10.50	AV	L1
8*	330.000kHz	49.45	20.25	-29.20	9.75	10.50	AV	L1
9*	442.000kHz	47.02	21.55	-25.47	11.05	10.50	AV	L1
10*	818.000kHz	46.00	15.61	-30.39	5.09	10.52	AV	L1
11*	11.314MHz	50.00	21.81	-28.19	10.83	10.98	AV	L1
12*	29.854MHz	50.00	20.04	-29.96	8.82	11.22	AV	L1



No.	Frequency	Limit dBuV	Level dBuV	Delta dB	Reading dBuV	Factor dB	Detector	Phase
1*	150.000kHz	66.00	33.91	-32.09	23.41	10.50	QP	N
2*	422.000kHz	57.41	29.69	-27.72	19.19	10.50	QP	N
3*	766.000kHz	56.00	18.57	-37.43	8.05	10.52	QP	N
4*	6.922MHz	60.00	31.55	-28.45	20.67	10.88	QP	N
5*	12.374MHz	60.00	30.69	-29.31	19.69	11.00	QP	N
6*	29.886MHz	60.00	30.98	-29.02	19.76	11.22	QP	N
7*	158.000kHz	55.57	16.70	-38.87	6.20	10.50	AV	N
8*	422.000kHz	47.41	25.92	-21.49	15.42	10.50	AV	N
9*	766.000kHz	46.00	13.83	-32.17	3.31	10.52	AV	N
10*	7.990MHz	50.00	22.38	-27.62	11.47	10.91	AV	N
11*	11.762MHz	50.00	20.01	-29.99	9.02	10.99	AV	N
12*	18.258MHz	50.00	17.66	-32.34	6.56	11.10	AV	N

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 Part 15.205(a)&209(a) limit in the table and according to ANSI C63.10-2013 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 2430 MHz Upper Band Edge: 2445 to 2500 MHz
RB / VB	1 MHz / 3 MHz(Peak) 1 MHz/1/T MHz(AVG)



Receiver Parameter	Setting
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

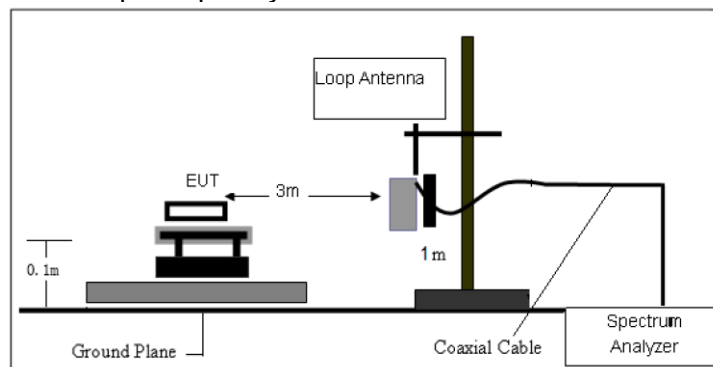
- The measuring distance at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- The EUT was placed on the top of a rotating table 0.1 m above the ground at a 3 m anechoic chamber test site. The table was rotated 360 degree to determine the position of the highest radiation.
- The height of the equipment shall be 0.1 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:

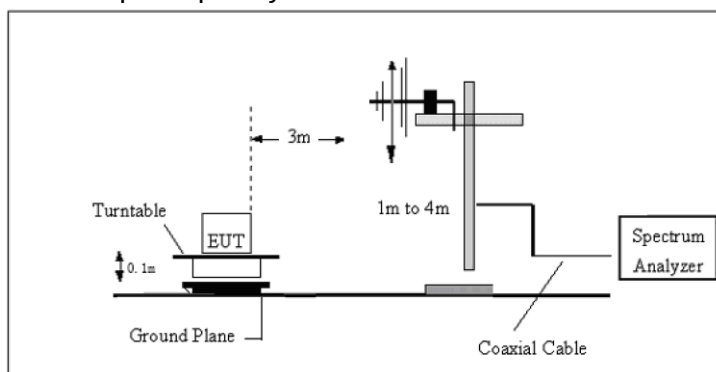
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

3.2.3 TEST SETUP

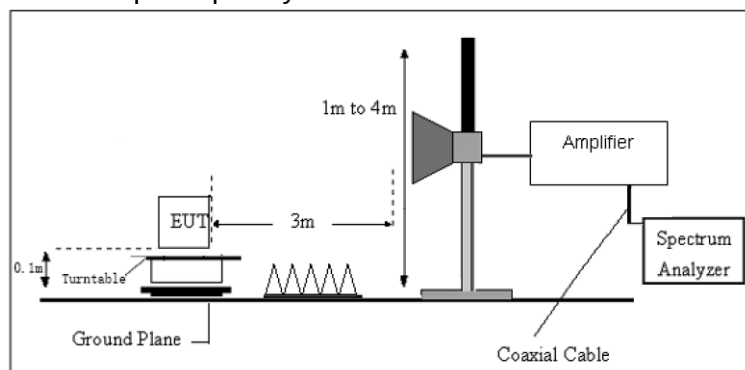
(A) Radiated Emission Test-Up Frequency Below 30MHz



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



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



3.2.4 EUT OPERATING CONDITIONS

Please refer to section 3.1.4 of this report.



3.2.5 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)	(dB μ V/m)	(dB μ V/m)	(dB)	(dB)	(dB)	(dB)
300	40	58.1	12.2	1.6	31.9	-18.1

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



3.2.6 TEST RESULT

9KHz-30MHz

Temperature:	25°C	Relative Humidity:	45%RH
Test Voltage:	Battery 14.4V	Polarization:	--
Test Mode:	TX Mode		

Freq.	Reading	Limit	Margin	State	Test Result
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F	
--	--	--	--	--	PASS
--	--	--	--	--	PASS

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

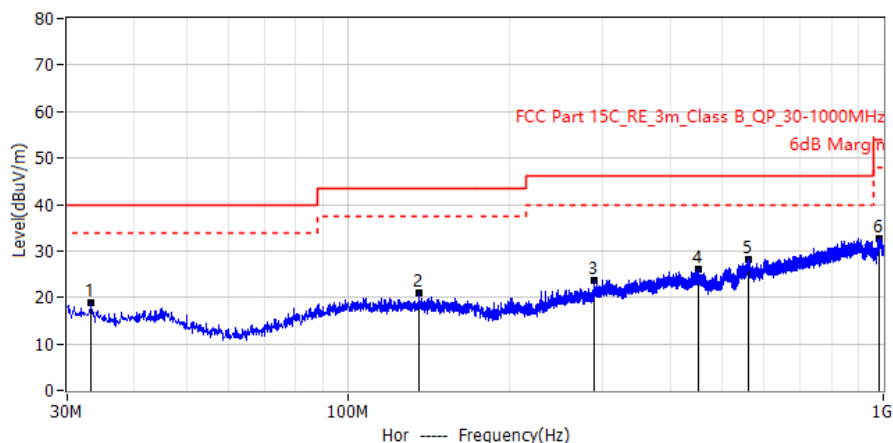
Distance extrapolation factor = $40 \log (\text{specific distance/test distance})$ (dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.

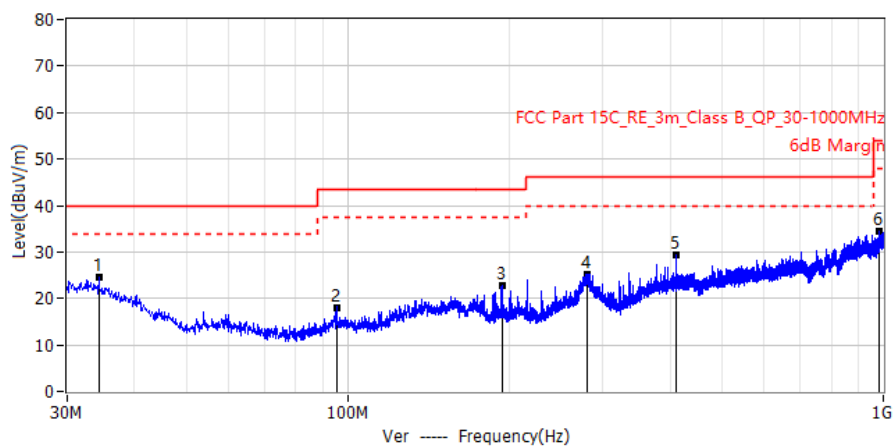


(30MHz - 1000MHz)

Temperature: 25°C	Humidity: 45%RH
M/N: JL1550C	Test Voltage: Battery 14.4V
Test Mode: TX mode	Test Data: 2022-08-07



No.	Frequency	Limit dBuV/m	Level dBuV/m	Delta dB	Reading dBuV	Factor dB/m	Detector	Polar
1*	33.274MHz	40.0	18.8	-21.2	31.8	-13.0	QP	Hor
2*	136.094MHz	43.5	21.0	-22.5	31.7	-10.7	QP	Hor
3*	289.233MHz	46.0	23.8	-22.2	31.2	-7.4	QP	Hor
4*	450.980MHz	46.0	26.0	-20.0	30.9	-4.9	QP	Hor
5*	559.135MHz	46.0	28.3	-17.7	30.2	-1.9	QP	Hor
6*	982.661MHz	54.0	32.6	-21.4	29.3	3.3	QP	Hor



No.	Frequency	Limit dBuV/m	Level dBuV/m	Delta dB	Reading dBuV	Factor dB/m	Detector	Polar
1*	34.365MHz	40.0	24.6	-15.4	31.2	-6.6	QP	Ver
2*	95.475MHz	43.5	18.1	-25.4	31.9	-13.8	QP	Ver
3*	194.051MHz	43.5	22.8	-20.7	33.9	-11.1	QP	Ver
4*	280.139MHz	46.0	25.3	-20.7	28.8	-3.5	QP	Ver
5*	409.634MHz	46.0	29.4	-16.6	34.6	-5.2	QP	Ver
6*	983.631MHz	54.0	34.5	-19.5	29.9	4.6	QP	Ver

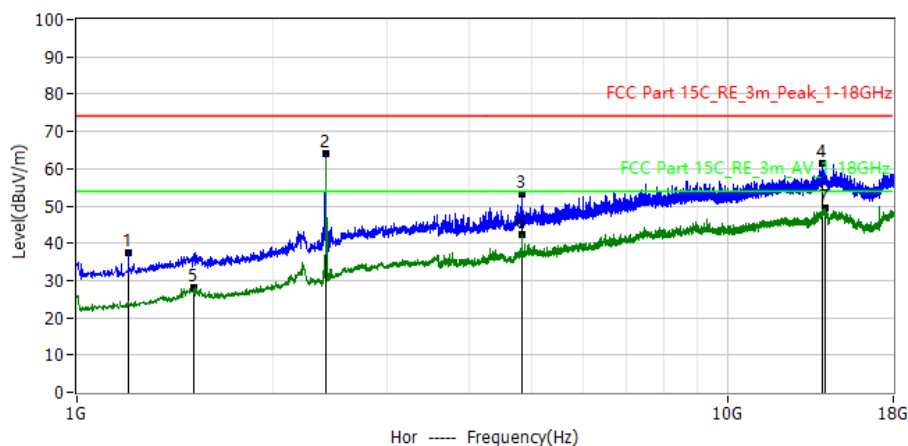
Remark:

1. Margin = Result (Result = Reading + Factor) - Limit
2. Factor = Antenna factor + Cable attenuation factor (cable loss) - Amplifier gain

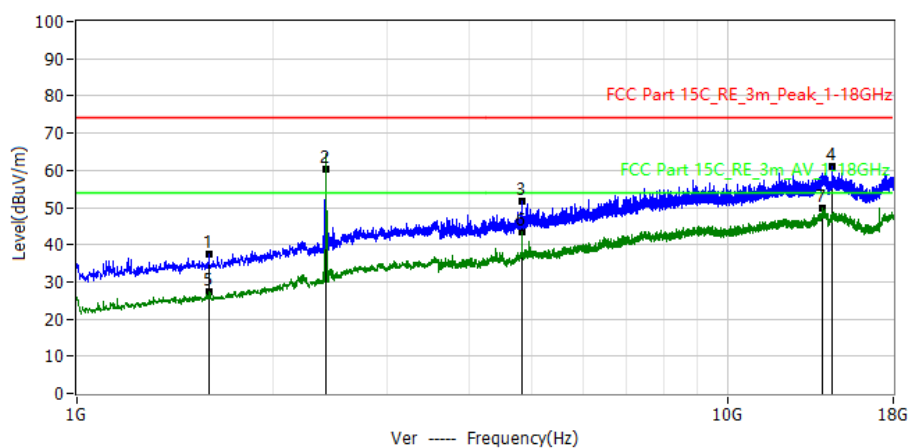


(1000MHz-25GHz) Spurious emission Requirements

Temperature: 25°C	Humidity: 45%RH
M/N: JL1550C	Test Voltage: Battery 14.4V
Test Mode: 802.11b 2412	Test Data: 2022-09-04



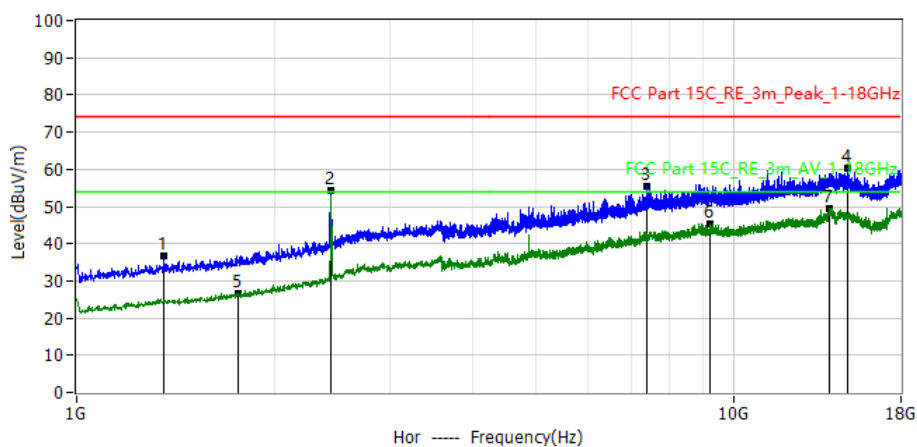
No.	Frequency	Limit dBuV/m	Level dBuV/m	Delta dB	Reading dBuV	Factor dB/m	Detector	Polar	Height cm	Angle deg
1*	1.200GHz	74.00	37.35	-36.65	8.66	28.69	PK	Hor	100.0	311.0
2*	2.413GHz		64.17		30.85	33.32	PK	Hor	100.0	208.0
3*	4.823GHz	74.00	53.34	-20.66	13.87	39.47	PK	Hor	100.0	216.0
4*	14.022GHz	74.00	61.32	-12.68	8.65	52.67	PK	Hor	100.0	223.0
5*	1.516GHz	54.00	28.15	-25.85	-1.43	29.58	AV	Hor	100.0	115.0
6*	4.825GHz	54.00	42.39	-11.61	2.92	39.47	AV	Hor	100.0	216.0
7*	14.116GHz	54.00	49.47	-4.53	-3.21	52.68	AV	Hor	100.0	178.0



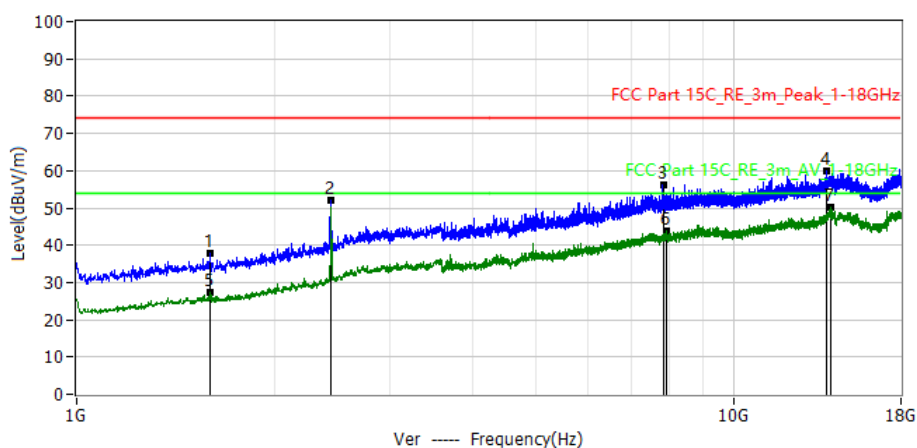
No.	Frequency	Limit dBuV/m	Level dBuV/m	Delta dB	Reading dBuV	Factor dB/m	Detector	Polar	Height cm	Angle deg
1*	1.595GHz	74.00	37.55	-36.45	7.87	29.68	PK	Ver	100.0	0.0
2*	2.413GHz		60.40	-	27.08	33.32	PK	Ver	100.0	160.0
3*	4.825GHz	74.00	51.70	-22.30	12.23	39.47	PK	Ver	100.0	140.0
4*	14.504GHz	74.00	61.20	-12.80	8.48	52.72	PK	Ver	100.0	110.0
5*	1.597GHz	54.00	27.31	-26.69	-2.37	29.68	AV	Ver	100.0	0.0
6*	4.827GHz	54.00	43.48	-10.52	4.01	39.47	AV	Ver	100.0	140.0
7*	13.992GHz	54.00	49.84	-4.16	-2.81	52.65	AV	Ver	100.0	68.0



Temperature: 25°C	Humidity: 45%RH
M/N: JL1550C	Test Voltage: Battery 14.4V
Test Mode: 802.11b_2437	Test Data: 2022-09-04



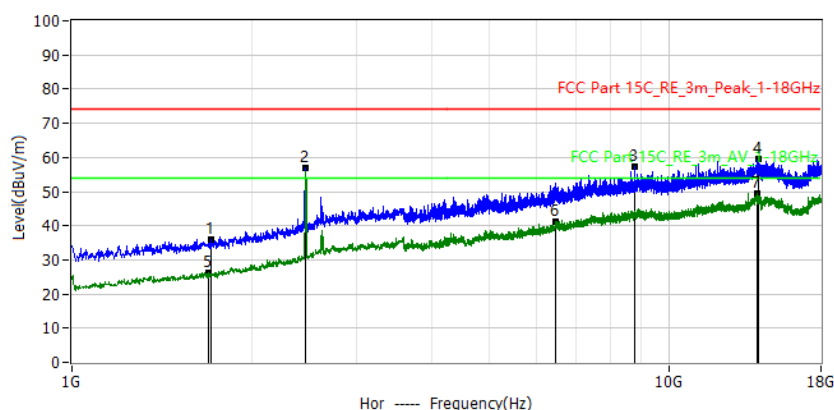
No.	Frequency	Limit dBuV/m	Level dBuV/m	Delta dB	Reading dBuV	Factor dB/m	Detector	Polar
1*	1.359GHz	74.00	36.72	-37.28	7.43	29.29	PK	Hor
2*	2.437GHz		54.23		20.80	33.43	PK	Hor
3*	7.384GHz	74.00	55.32	-18.68	11.19	44.13	PK	Hor
4*	14.893GHz	74.00	60.15	-13.85	7.40	52.75	PK	Hor
5*	1.759GHz	54.00	26.77	-27.23	-3.58	30.35	AV	Hor
6*	9.198GHz	54.00	45.25	-8.75	-1.70	46.95	AV	Hor
7*	14.001GHz	54.00	49.28	-4.72	-3.39	52.67	AV	Hor



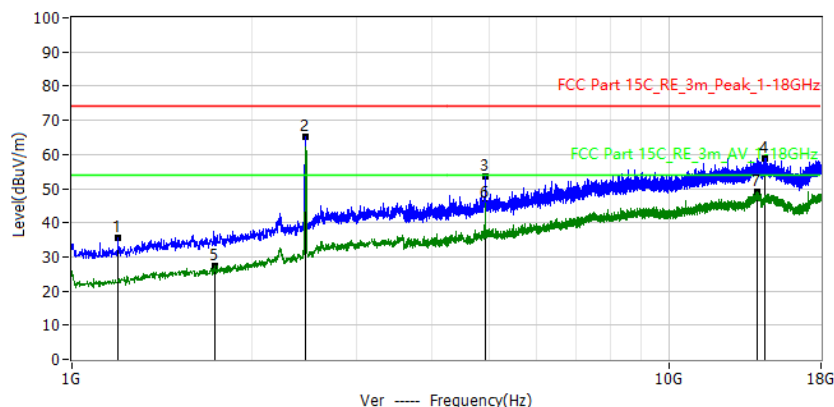
No.	Frequency	Limit dBuV/m	Level dBuV/m	Delta dB	Reading dBuV	Factor dB/m	Detector	Polar
1*	1.597GHz	74.00	37.79	-36.21	8.11	29.68	PK	Ver
2*	2.437GHz		52.00		18.57	33.43	PK	Ver
3*	7.813GHz	74.00	56.13	-17.87	11.32	44.81	PK	Ver
4*	13.858GHz	74.00	59.99	-14.01	7.72	52.27	PK	Ver
5*	1.597GHz	54.00	27.52	-26.48	-2.16	29.68	AV	Ver
6*	7.911GHz	54.00	43.85	-10.15	-1.06	44.91	AV	Ver
7*	14.101GHz	54.00	50.29	-3.71	-2.39	52.68	AV	Ver



Temperature: 25°C	Humidity: 45%RH
M/N: JL1550C	Test Voltage: Battery 14.4V
Test Mode: 802.11b_2462	Test Data: 2022-09-04



No.	Frequency	Limit dBuV/m	Level dBuV/m	Delta dB	Reading dBuV	Factor dB/m	Detector	Polar	Height cm	Angle deg
1*	1.710GHz	74.00	36.03	-37.97	5.88	30.15	PK	Hor	100.0	0.0
2*	2.464GHz		56.76		23.21	33.55	PK	Hor	100.0	8.0
3*	8.773GHz	74.00	57.22	-16.78	10.73	46.49	PK	Hor	100.0	0.0
4*	14.116GHz	74.00	59.64	-14.36	6.96	52.68	PK	Hor	100.0	0.0
5*	1.697GHz	54.00	26.37	-27.63	-3.72	30.09	AV	Hor	100.0	0.0
6*	6.463GHz	54.00	41.29	-12.71	-0.73	42.02	AV	Hor	100.0	0.0
7*	14.090GHz	54.00	49.61	-4.39	-3.07	52.68	AV	Hor	100.0	0.0



No.	Frequency	Limit dBuV/m	Level dBuV/m	Delta dB	Reading dBuV	Factor dB/m	Detector	Polar
1*	1.196GHz	74.00	35.63	-38.37	6.96	28.67	PK	Ver
2*	2.462GHz		65.07		31.53	33.54	PK	Ver
3*	4.925GHz	74.00	53.66	-20.34	13.97	39.69	PK	Ver
4*	14.504GHz	74.00	58.75	-15.25	6.03	52.72	PK	Ver
5*	1.737GHz	54.00	27.34	-26.66	-2.92	30.26	AV	Ver
6*	4.927GHz	54.00	45.73	-8.27	6.03	39.70	AV	Ver
7*	14.084GHz	54.00	48.97	-5.03	-3.71	52.68	AV	Ver

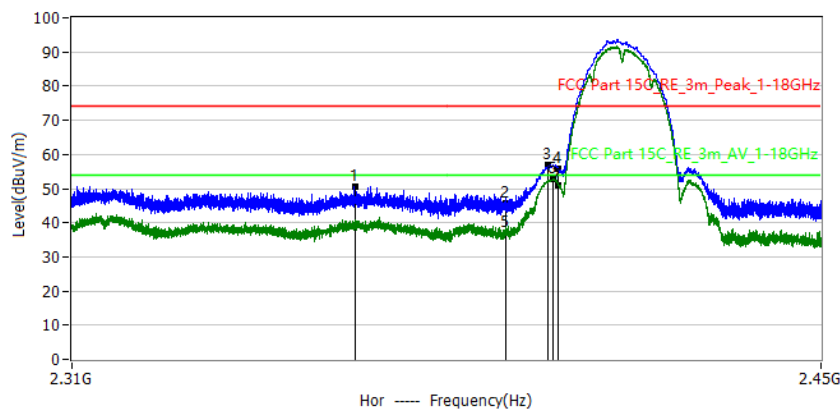
Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
- Emission Level = Reading + Factor, Margin = Emission Level-Limit.
- Pe-test all test modes, only the worst case 802.11b was recorded in this report.
- No any other emissions level which are attenuated less than 20dB below the limit. The amplitude of spurious emissions from intentional radiators and emissions from unintentional radiators which are attenuated more than 20 dB below the permissible value need not be reported unless specifically required elsewhere in this Part. Hence there no other emissions have been reported.

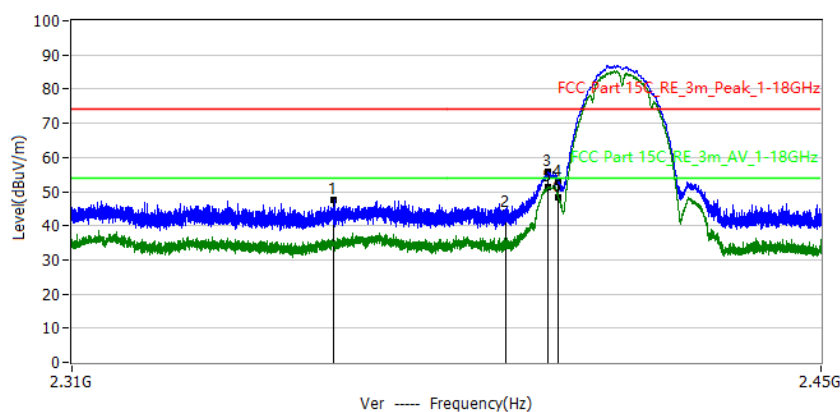


3.2.6 TEST RESULTS(Band edge Requirements)

Temperature: 25°C	Humidity: 45%RH
M/N: JL1550C	Test Voltage: Battery 14.4V
Test Mode: 802.11b_2412	Test Data: 2022-09-04



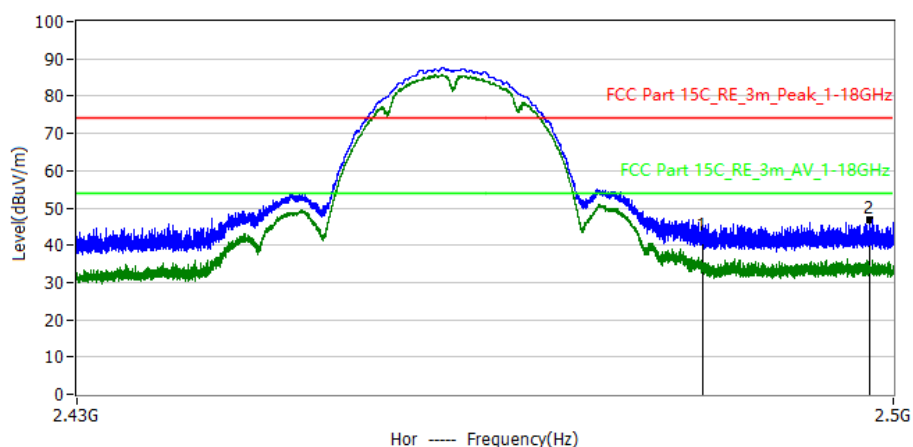
No.	Frequency	Limit dBuV/m	Level dBuV/m	Delta dB	Reading dBuV	Factor dB/m	Detector	Polar
1*	2.362GHz	74.00	50.59	-23.40	17.50	33.09	PK	Hor
2*	2.390GHz	74.00	45.80	-28.20	12.58	33.22	PK	Hor
3*	2.398GHz	74.00	57.04	-16.96	23.78	33.26	PK	Hor
4*	2.400GHz	74.00	55.80	-18.20	22.53	33.27	PK	Hor
5*	2.390GHz	54.00	37.00	-17.00	3.78	33.22	AV	Hor
6*	2.399GHz	54.00	52.81	-1.19	19.55	33.26	AV	Hor
7*	2.400GHz	54.00	51.10	-2.90	17.83	33.27	AV	Hor



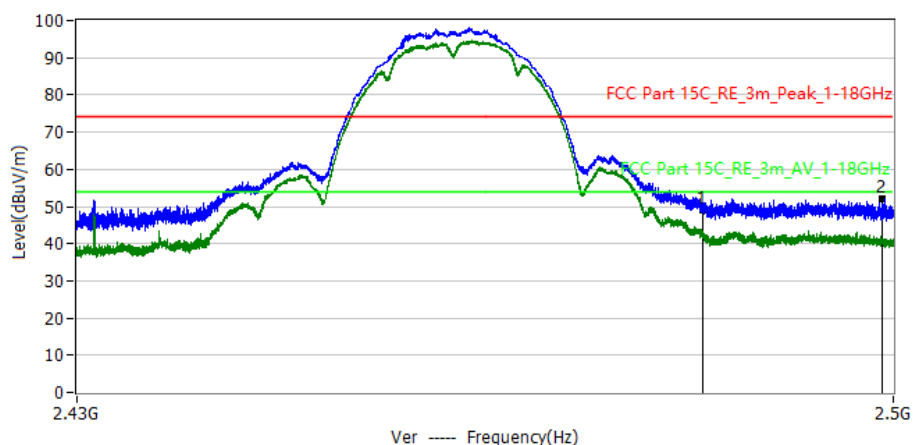
No.	Frequency	Limit dBuV/m	Level dBuV/m	Delta dB	Reading dBuV	Factor dB/m	Detector	Polar
1*	2.358GHz	74.00	47.71	-26.30	14.63	33.08	PK	Ver
2*	2.390GHz	74.00	43.80	-30.20	10.58	33.22	PK	Ver
3*	2.398GHz	74.00	55.85	-18.15	22.59	33.26	PK	Ver
4*	2.400GHz	74.00	52.70	-21.30	19.43	33.27	PK	Ver
5*	2.398GHz	54.00	51.44	-2.56	18.18	33.26	AV	Ver
6*	2.400GHz	54.00	48.30	-5.70	15.03	33.27	AV	Ver



Temperature: 25°C	Humidity: 45%RH
M/N: JL1550C	Test Voltage: AC 230V/50Hz
Test Mode: 802.11b 2462	Test Data: 2022-09-04



No.	Frequency	Limit dBuV/m	Level dBuV/m	Delta dB	Reading dBuV	Factor dB/m	Detector	Polar
1*	2.484GHz	74.00	42.40	-31.60	8.76	33.64	PK	Hor
2*	2.498GHz	74.00	46.99	-27.01	13.28	33.71	PK	Hor



No.	Frequency	Limit dBuV/m	Level dBuV/m	Delta dB	Reading dBuV	Factor dB/m	Detector	Polar
1*	2.484GHz	74.00	48.90	-25.10	15.26	33.64	PK	Ver
2*	2.499GHz	74.00	52.03	-21.97	18.32	33.71	PK	Ver

Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
- Emission Level = Reading + Factor, Margin = Emission Level-Limit.
- Pe-test all test modes, only the worst case 802.11b was recorded in this report.



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
Start/Stop Frequency	Lower Band Edge: 2300 to 2432 MHz Upper Band Edge: 2442 to 2500 MHz
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. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW.

4.4 TEST RESULTS

For the measurement records, refer to the appendix I.



5. POWER SPECTRAL DENSITY TEST

5.1 LIMIT

FCC Part15.247 , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e)	Power Spectral Density	≤ 8 dBm (RBW ≥ 3 KHz)	2400-2483.5	PASS

5.2 TEST PROCEDURE

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS channel bandwidth.
3. Set the $100 \text{ kHz} \geq \text{RBW} \geq 3 \text{ kHz}$.
4. Set the $\text{VBW} \geq 3 \times \text{RBW}$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

5.3 TEST SETUP



5.4 TEST RESULTS

For the measurement records, refer to the appendix I.



6. BANDWIDTH TEST

6.1 LIMIT

FCC Part15.247,Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	$\geq 500\text{KHz}$ (6dB bandwidth)	2400-2483.5	PASS

6.2 TEST PROCEDURE

The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described above (i.e., RBW = 100 kHz, VBW $\geq$ 3RBW, peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be ≥ 6 dB.

6.3 TEST SETUP



6.4 TEST RESULTS

For the measurement records, refer to the appendix I.



7. PEAK OUTPUT POWER TEST

7.1 LIMIT

FCC Part15.247,Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Output Power	1 watt or 30dBm	2400-2483.5	PASS

7.2 TEST PROCEDURE

One of the following procedures may be used to determine the maximum peak conducted output power of a DTS EUT.

RBW $\geq$ DTS bandwidth

The following procedure shall be used when an instrument with a resolution bandwidth that is greater than the DTS bandwidth is available to perform the measurement:

- Set the RBW $\geq$ DTS bandwidth.
- Set VBW $\geq [3 \times \text{RBW}]$.
- Set span $\geq [3 \times \text{RBW}]$.
- Sweep time = auto couple.
- Detector = peak.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use peak marker function to determine the peak amplitude level.

Integrated band power method:

The following procedure can be used when the maximum available RBW of the instrument is less than the

DTS bandwidth:

- Set the RBW = 1 MHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Set the span $\geq [1.5 \times \text{DTS bandwidth}]$.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges (for some instruments, this may require a manual override to select the peak detector). If the instrument does not have a band power function, then sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the DTS channel bandwidth.

PKPM1 Peak power meter method:

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

7.3 TEST SETUP



7.4 TEST RESULTS

For the measurement records, refer to the appendix I.



8. ANTENNA REQUIREMENT

8.1 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.

8.2 EUT ANTENNA

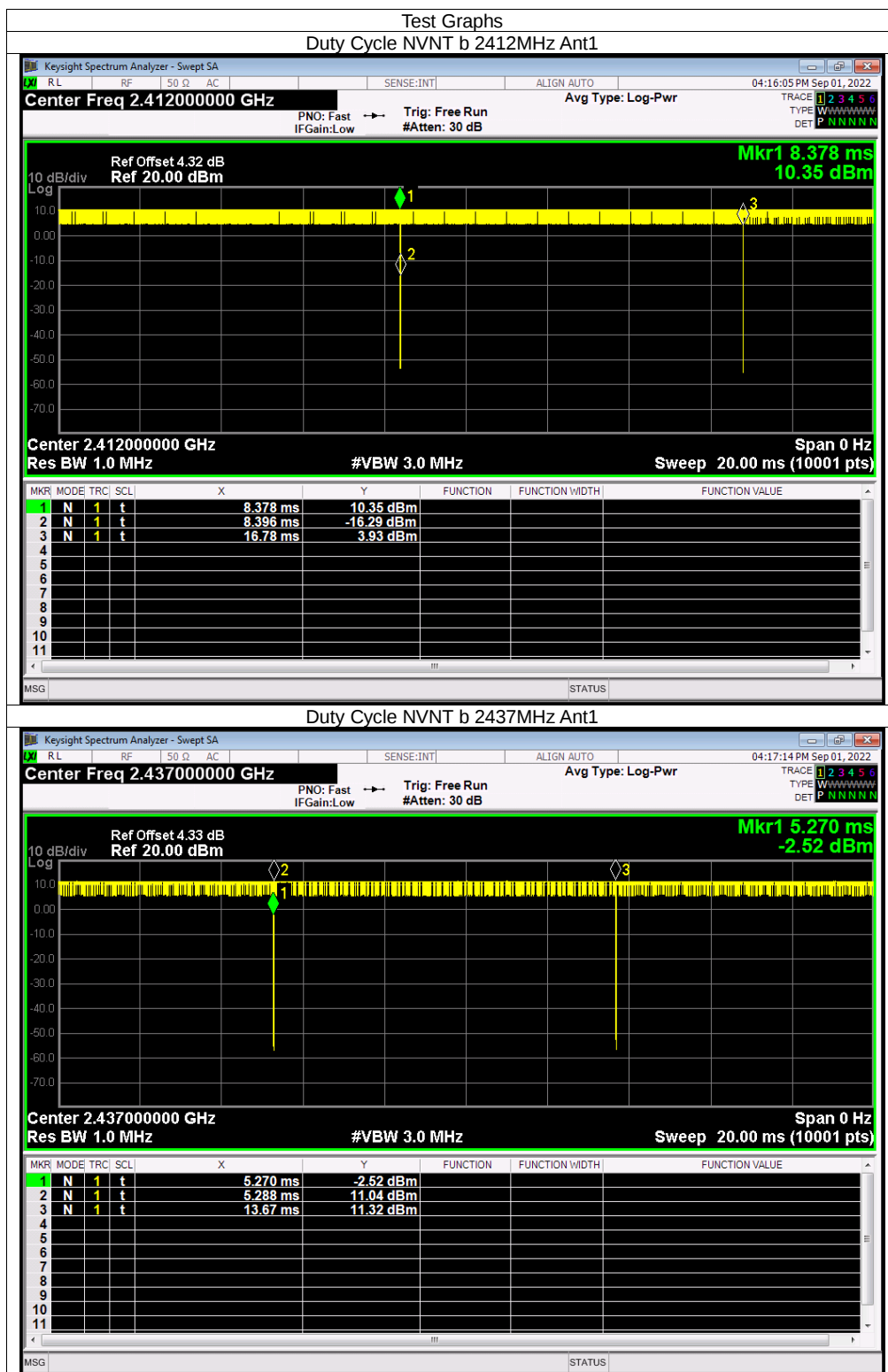
The EUT antenna is FPCB Antenna. It comply with the standard requirement.

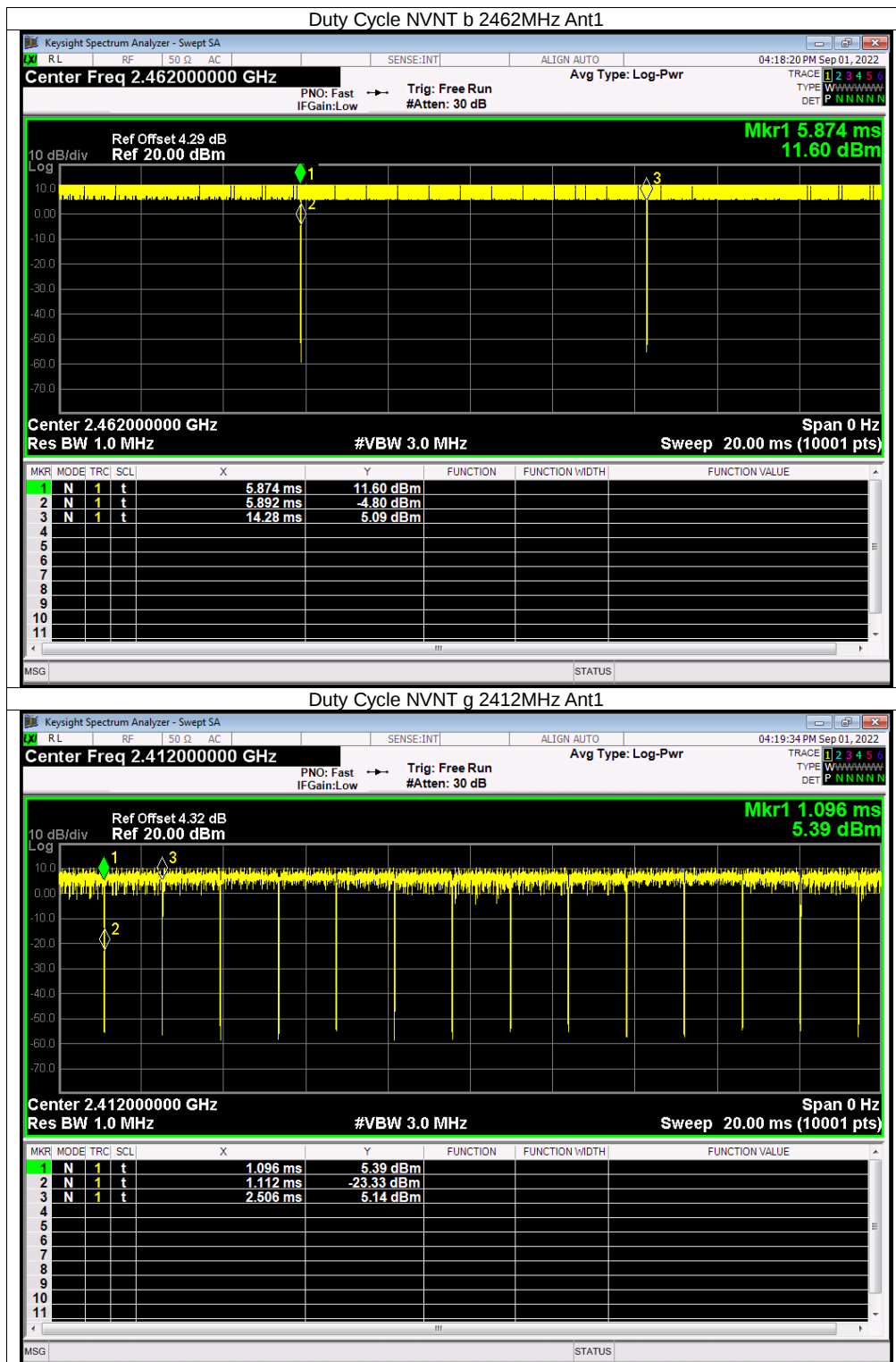


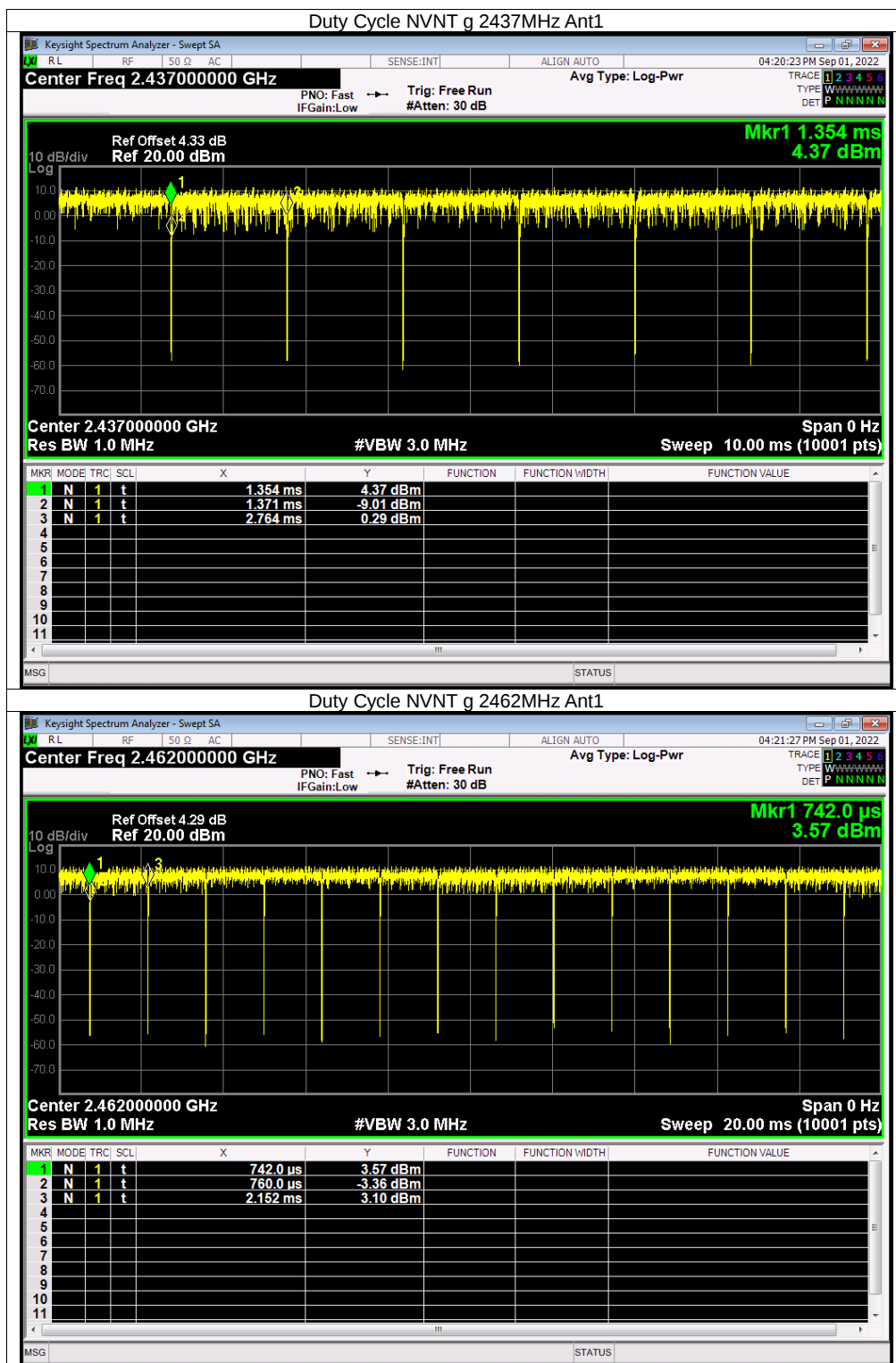
APPENDIX I:TEST RESULTS

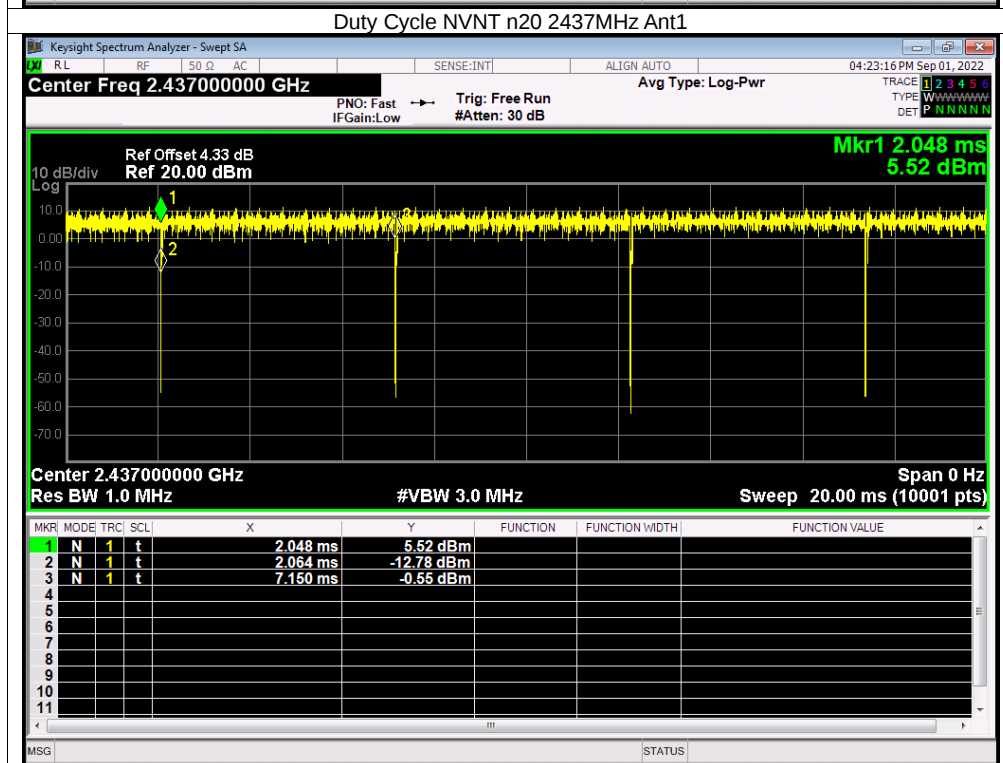
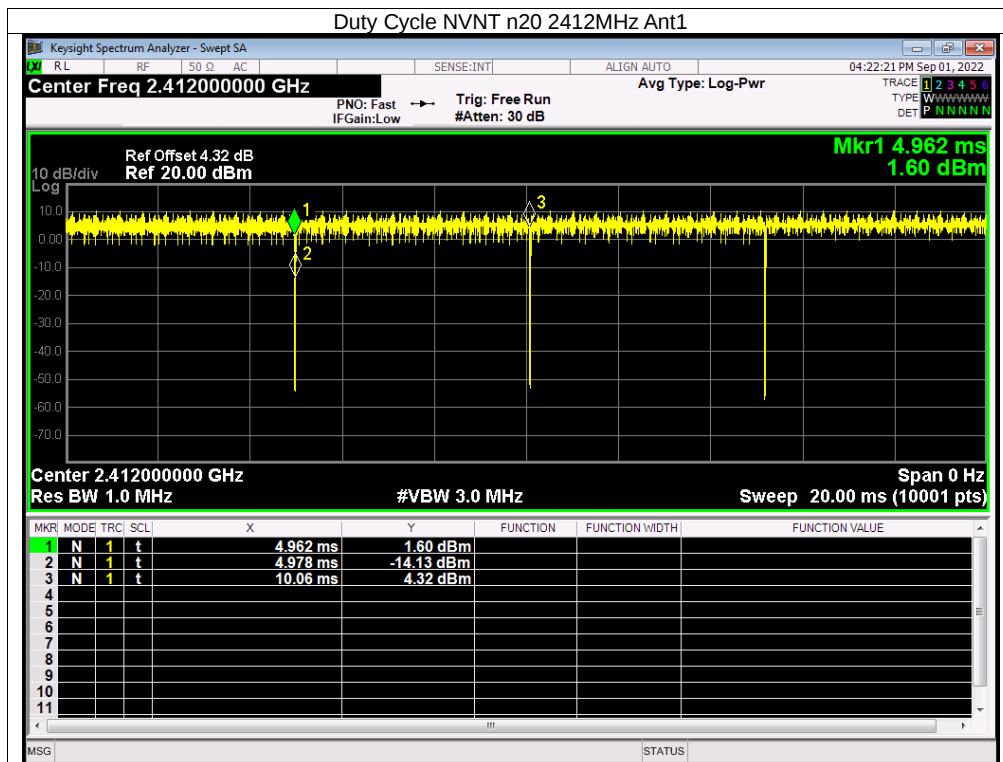
DUTY CYCLE

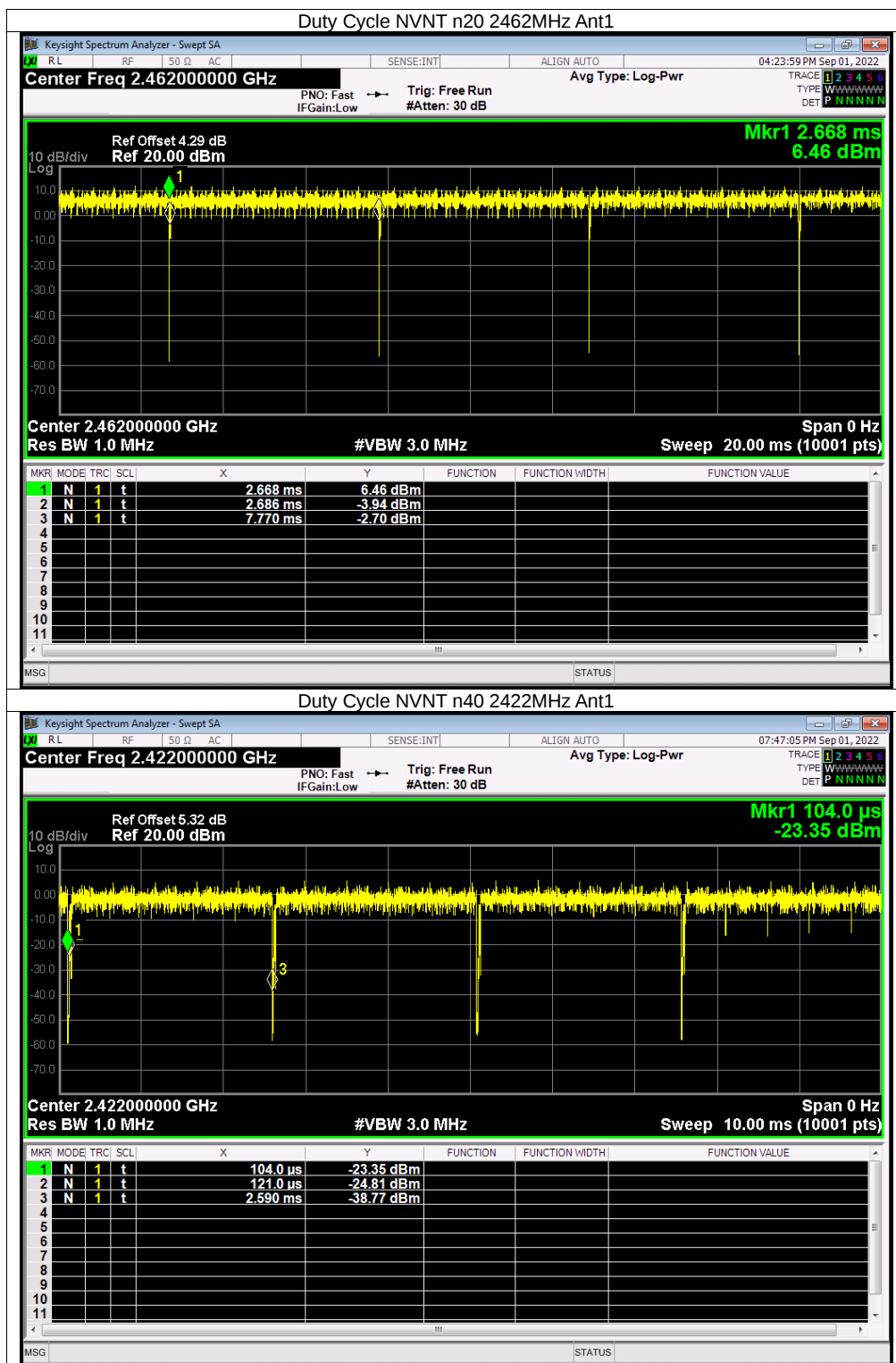
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.79	0	0.12
NVNT	b	2437	Ant1	99.79	0	0.12
NVNT	b	2462	Ant1	99.79	0	0.12
NVNT	g	2412	Ant1	98.87	0	0.72
NVNT	g	2437	Ant1	98.79	0	0.72
NVNT	g	2462	Ant1	98.72	0	0.72
NVNT	n20	2412	Ant1	99.69	0	0.2
NVNT	n20	2437	Ant1	99.69	0	0.2
NVNT	n20	2462	Ant1	99.65	0	0.2
NVNT	n40	2422	Ant1	99.32	0	0.41
NVNT	n40	2437	Ant1	99.36	0	0.4
NVNT	n40	2452	Ant1	99.03	0	0.41

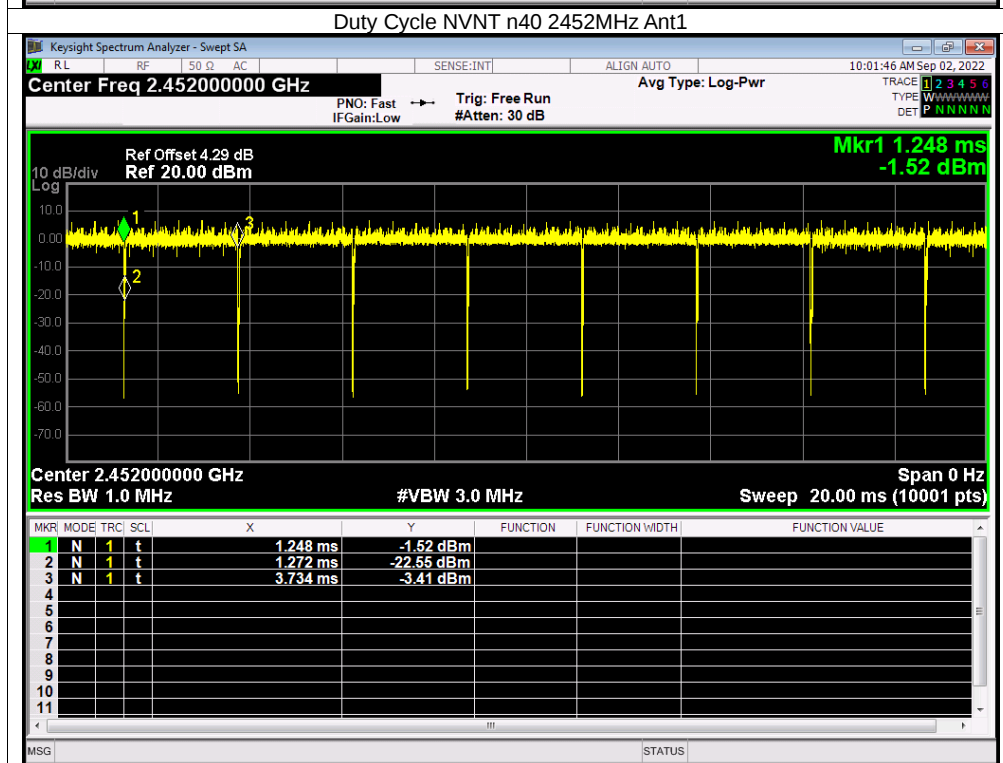
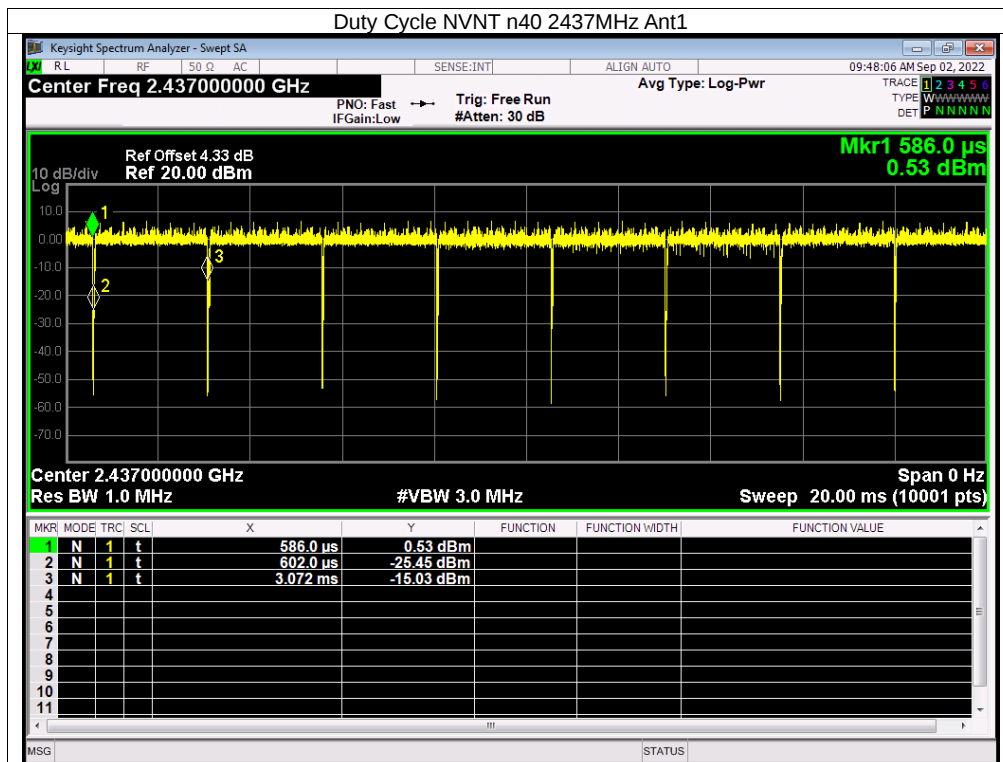










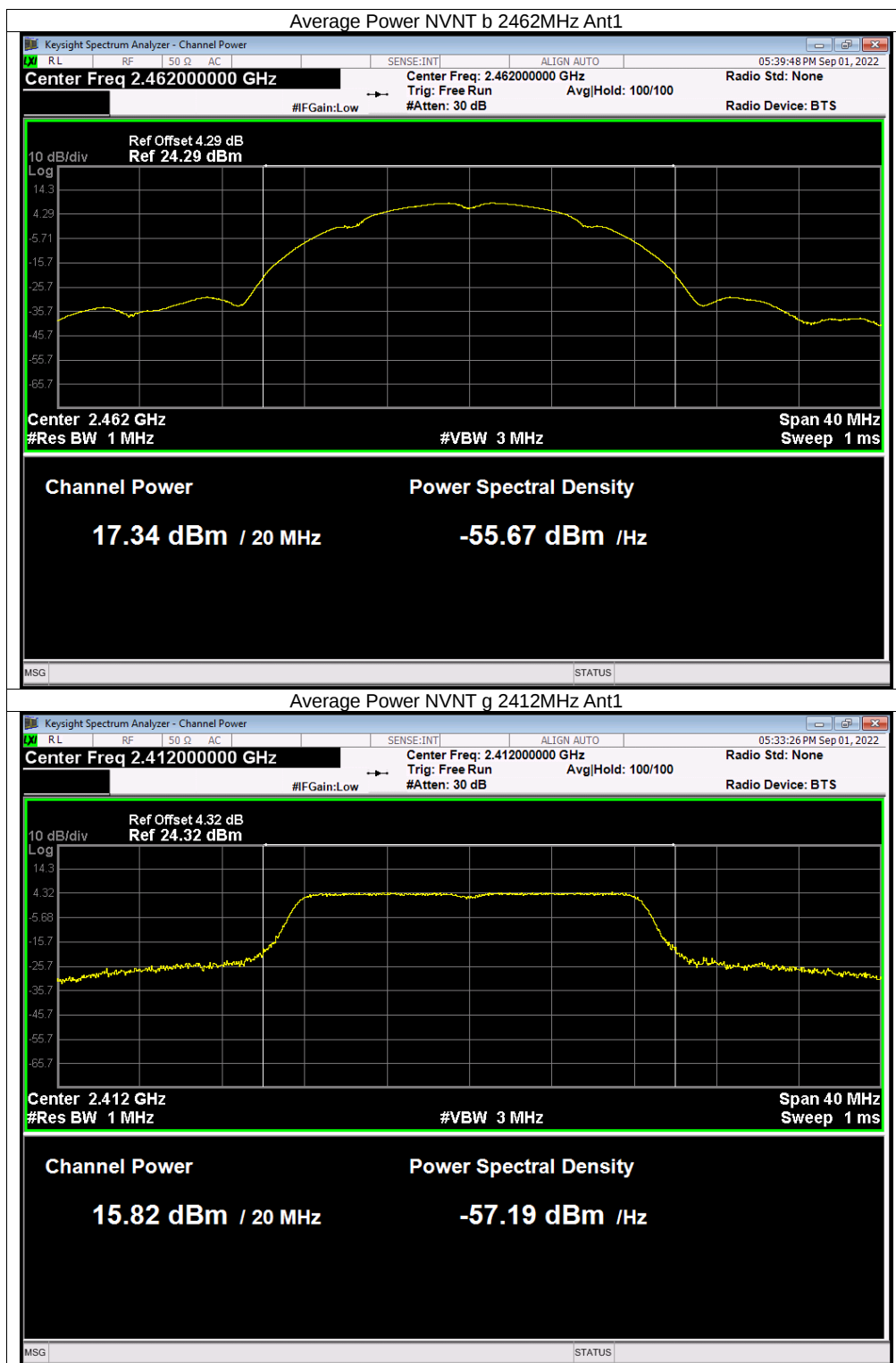


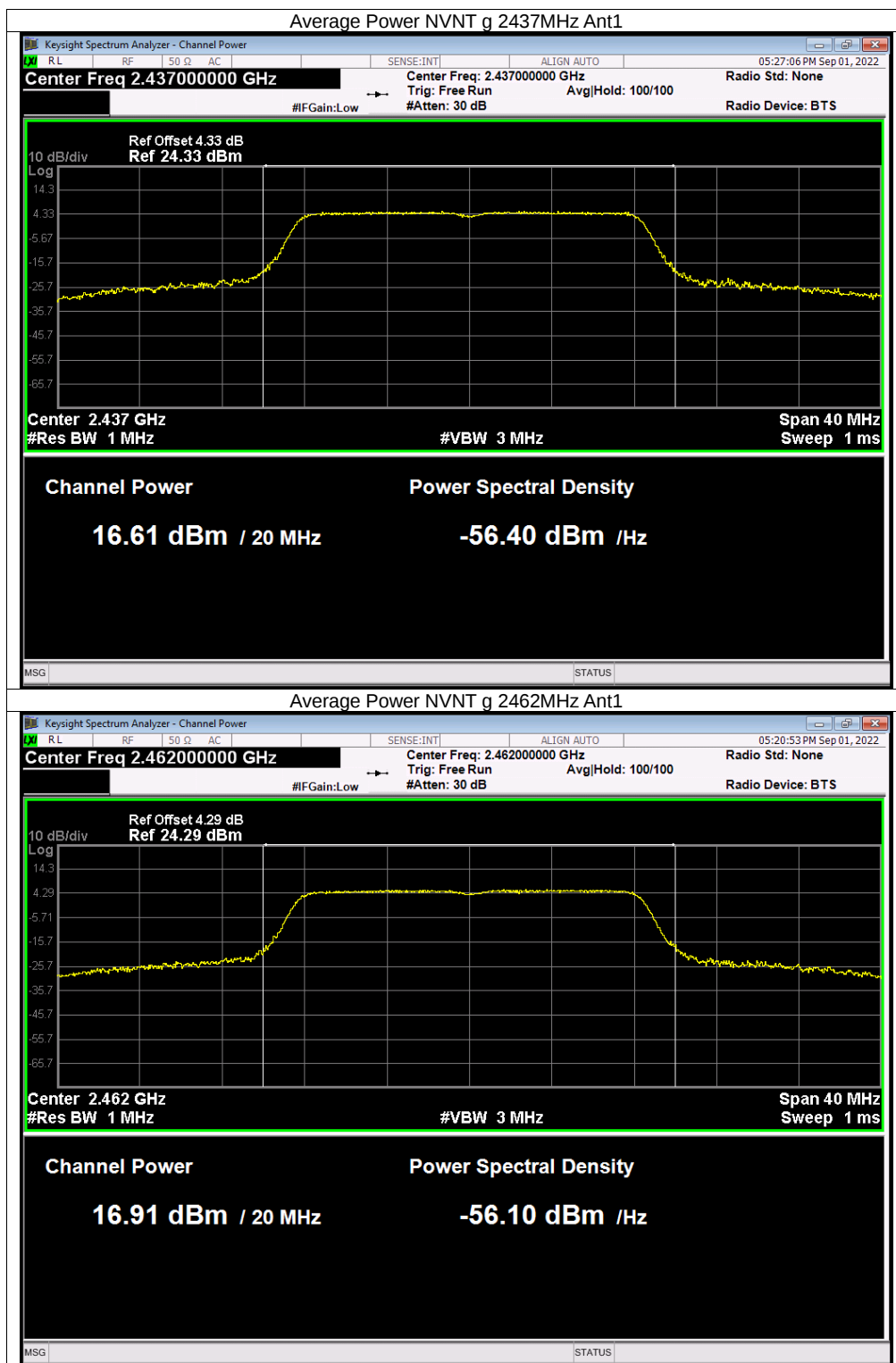


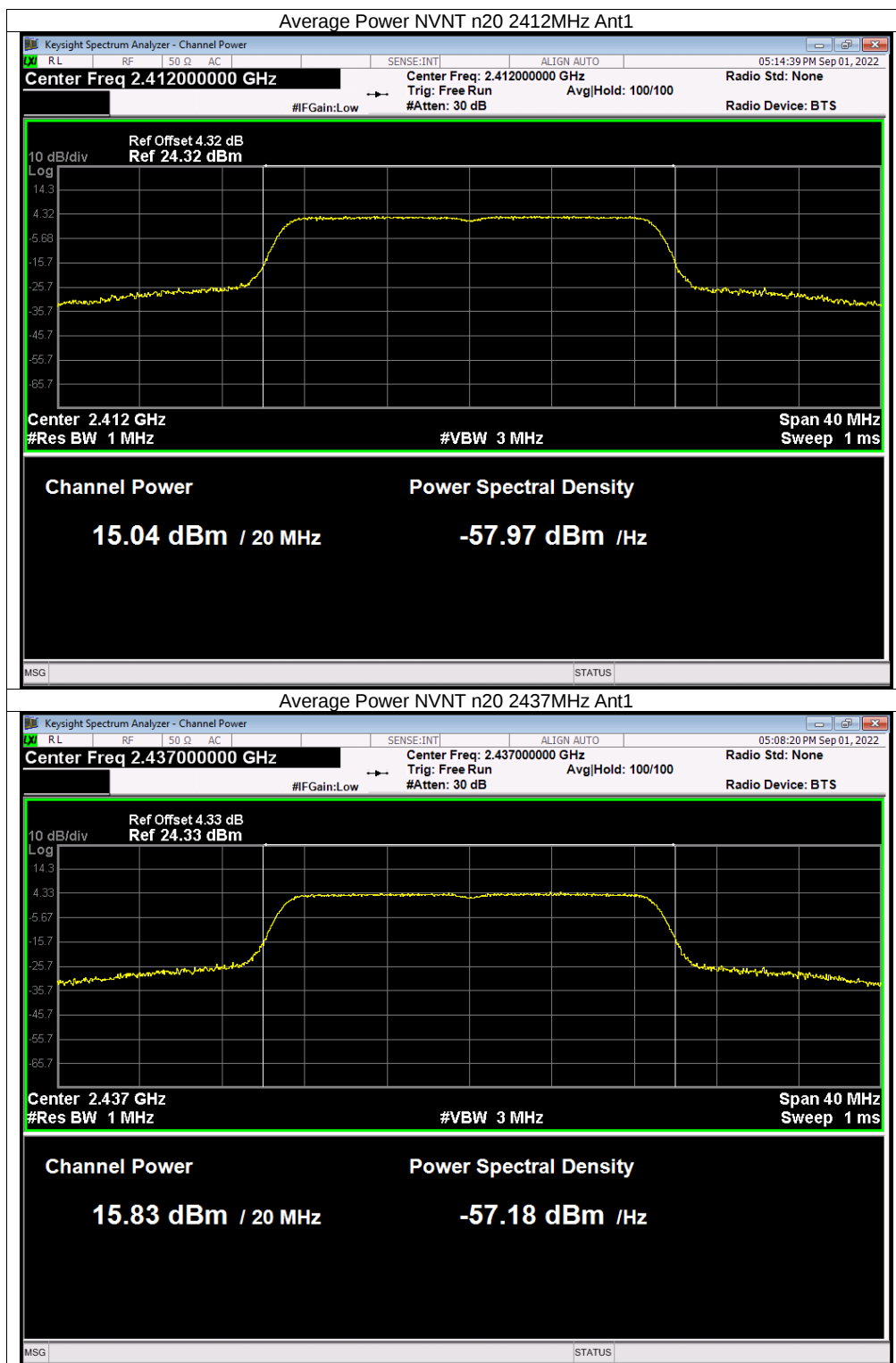
MAXIMUM AVERAGE CONDUCTED OUTPUT POWER

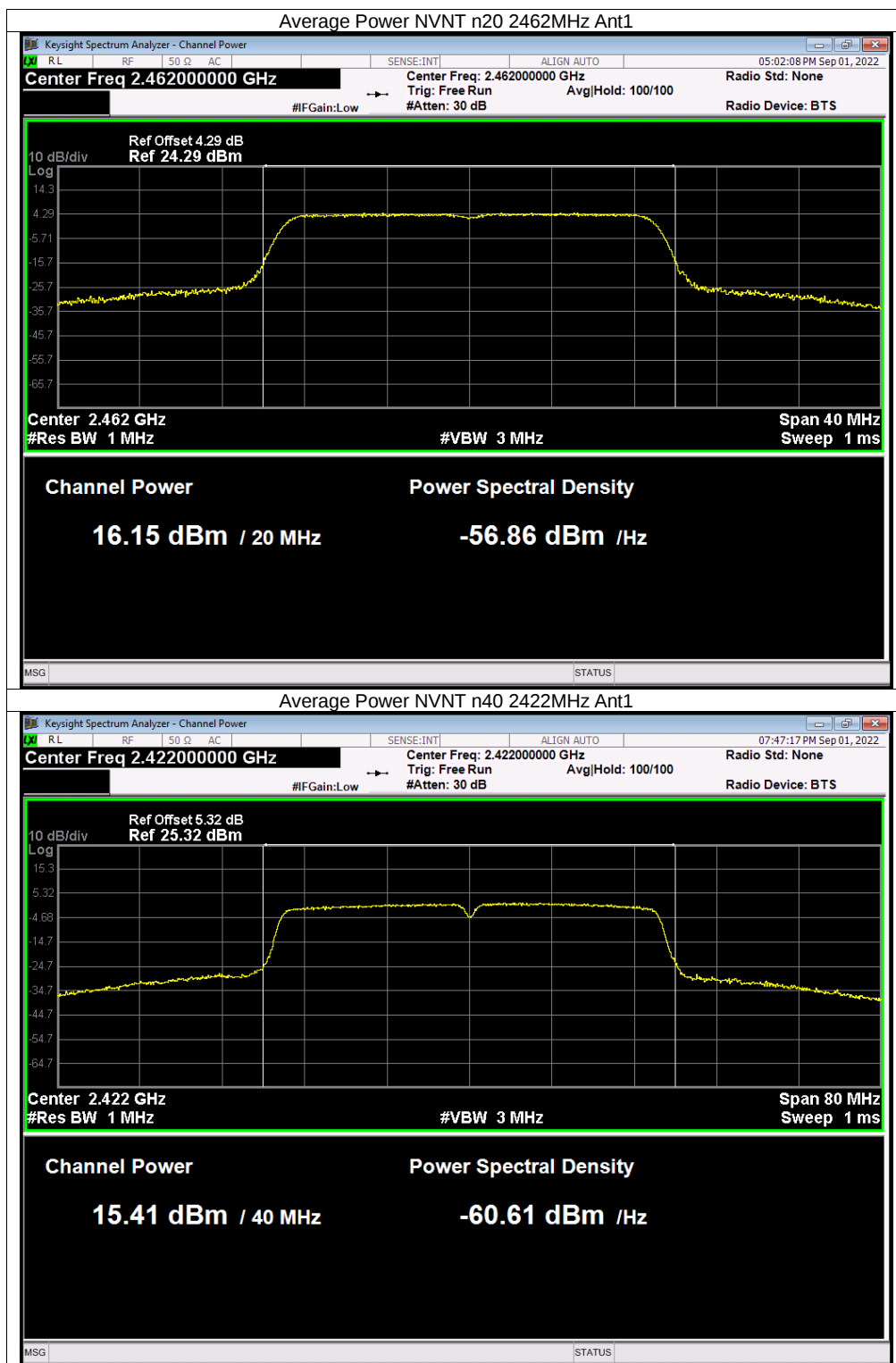
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	16.18	0.12	16.18	30	Pass
NVNT	b	2437	Ant1	17.03	0.12	17.03	30	Pass
NVNT	b	2462	Ant1	17.34	0.12	17.34	30	Pass
NVNT	g	2412	Ant1	15.82	0.72	15.82	30	Pass
NVNT	g	2437	Ant1	16.61	0.72	16.61	30	Pass
NVNT	g	2462	Ant1	16.91	0.72	16.91	30	Pass
NVNT	n20	2412	Ant1	15.04	0.2	15.04	30	Pass
NVNT	n20	2437	Ant1	15.83	0.2	15.83	30	Pass
NVNT	n20	2462	Ant1	16.15	0.2	16.15	30	Pass
NVNT	n40	2422	Ant1	15.41	0.41	15.41	30	Pass
NVNT	n40	2437	Ant1	16	0.4	16	30	Pass
NVNT	n40	2452	Ant1	16.1	0.41	16.1	30	Pass

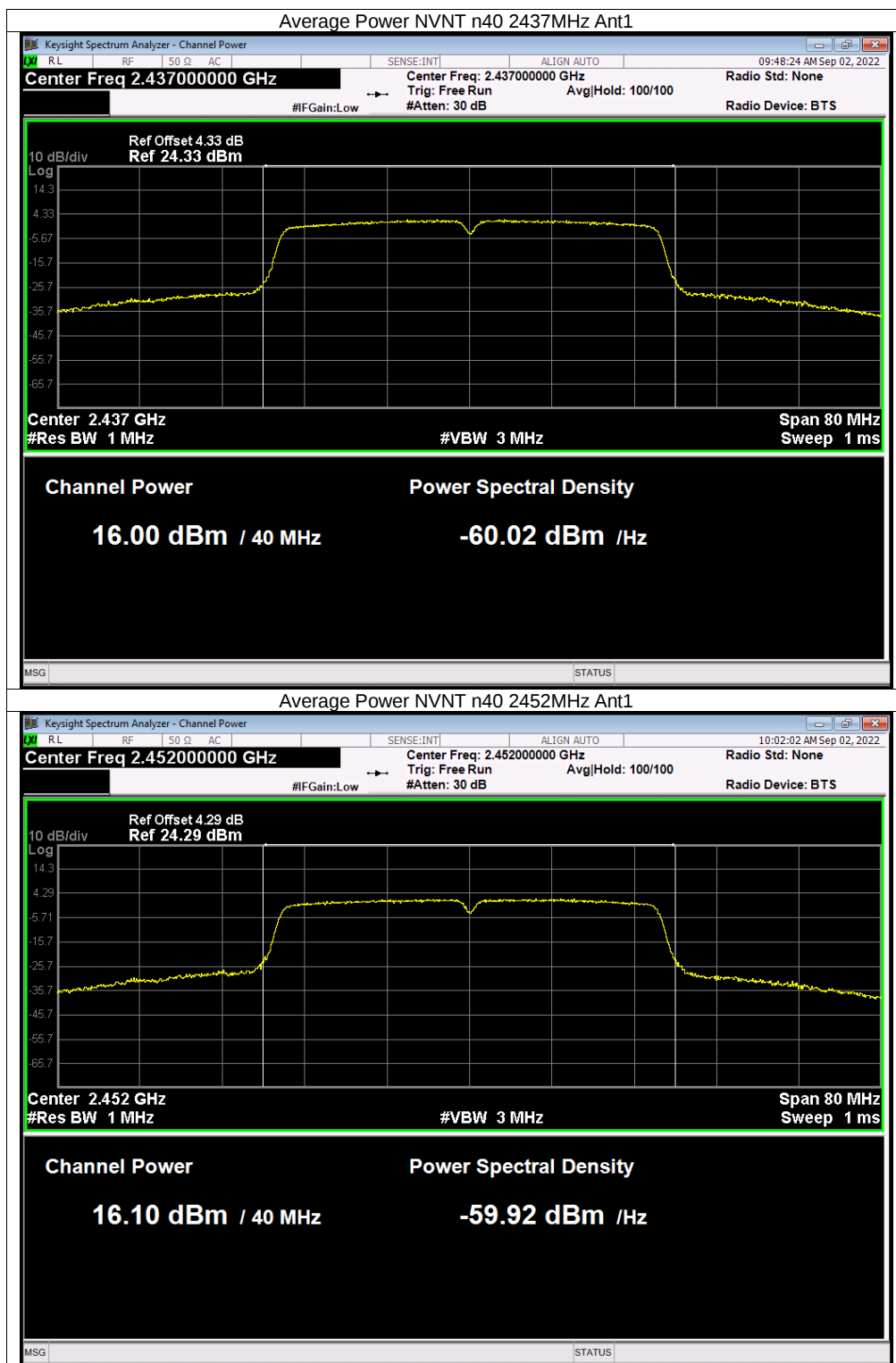














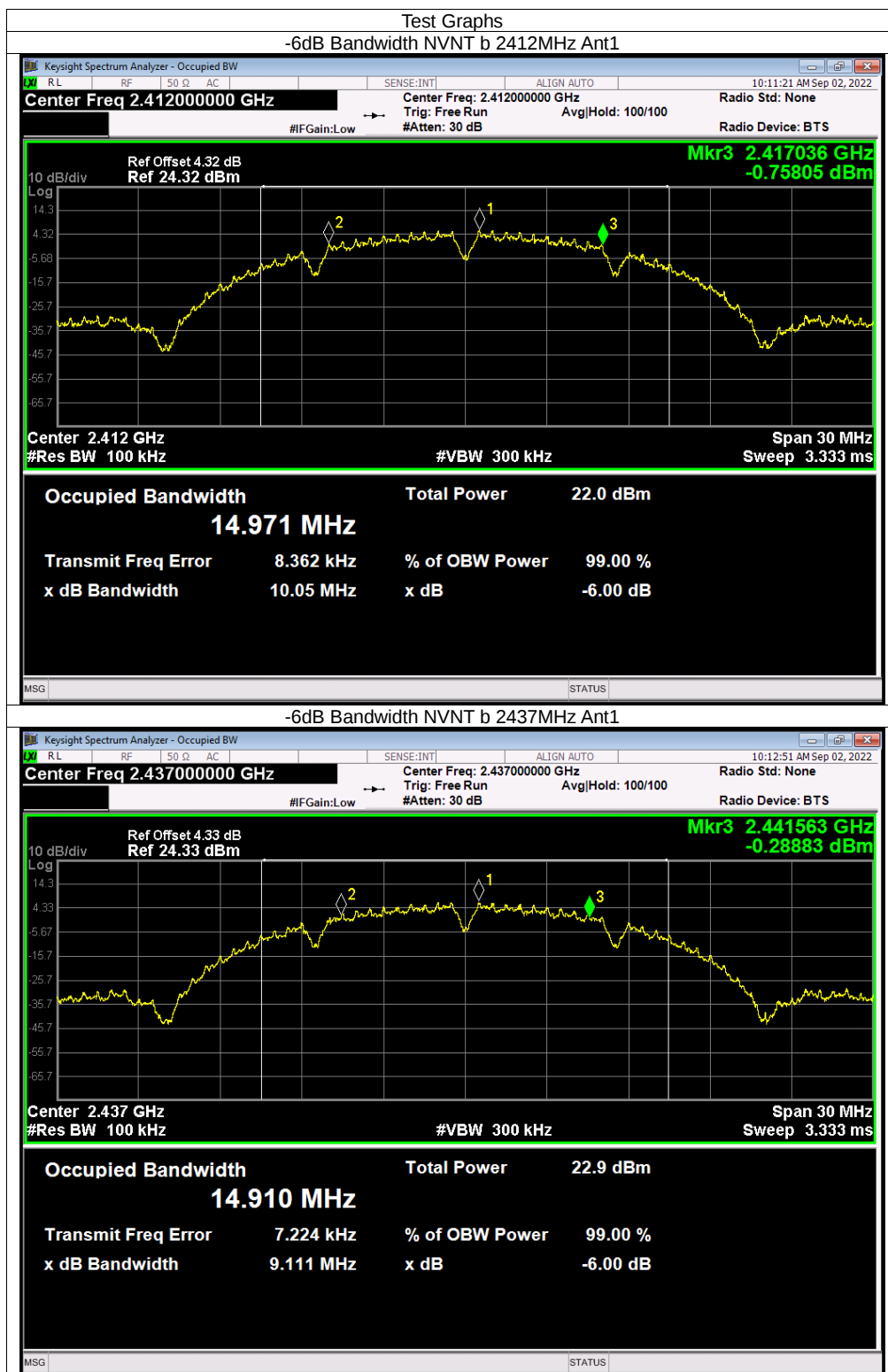
MAXIMUM PEAK CONDUCTED OUTPUT POWER

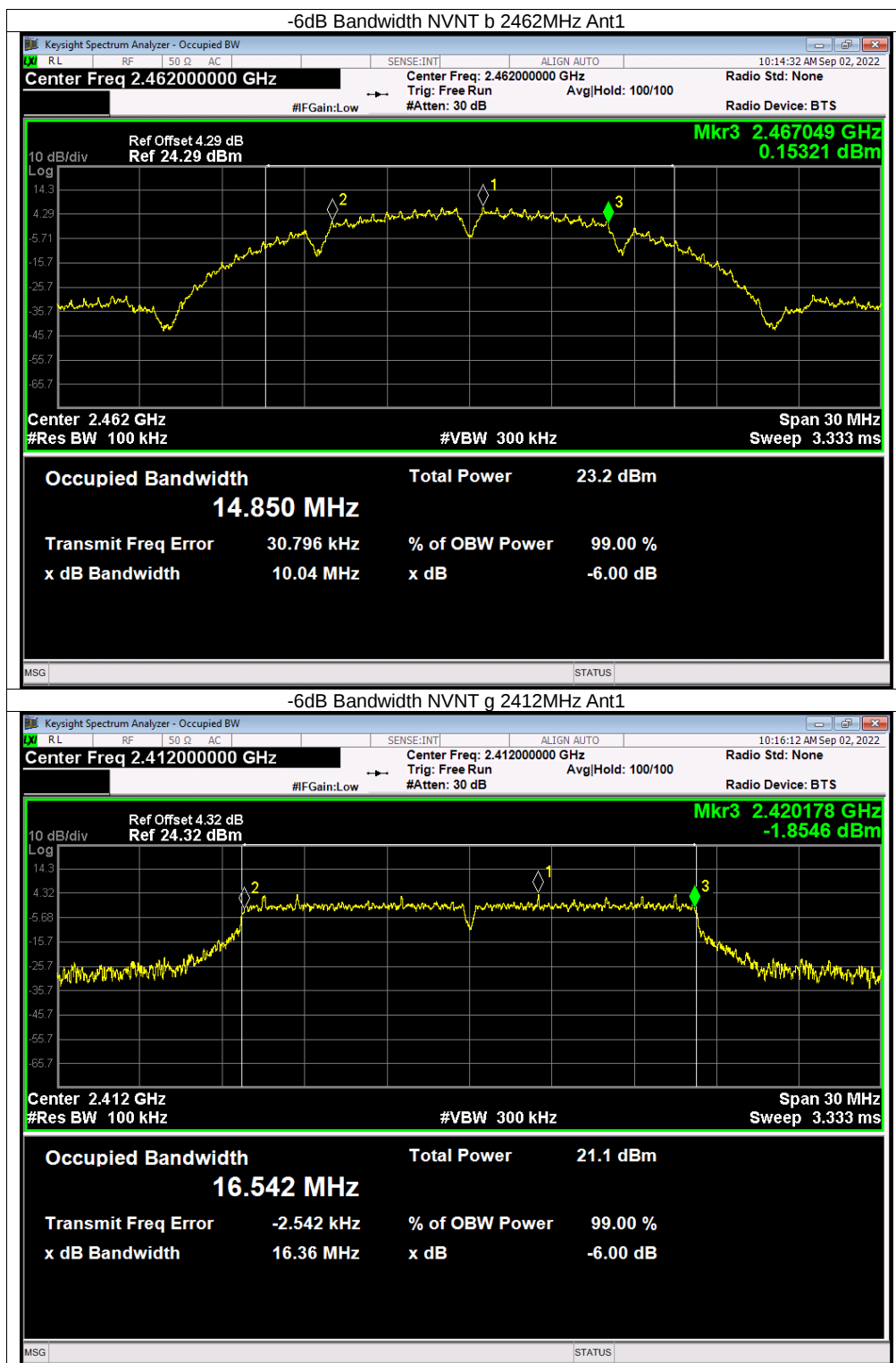
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	17.54	0	17.54	30	Pass
NVNT	b	2437	Ant1	18.38	0	18.38	30	Pass
NVNT	b	2462	Ant1	18.67	0	18.67	30	Pass
NVNT	g	2412	Ant1	20.34	0	20.34	30	Pass
NVNT	g	2437	Ant1	21.12	0	21.12	30	Pass
NVNT	g	2462	Ant1	21.47	0	21.47	30	Pass
NVNT	n20	2412	Ant1	19.64	0	19.64	30	Pass
NVNT	n20	2437	Ant1	20.49	0	20.49	30	Pass
NVNT	n20	2462	Ant1	20.68	0	20.68	30	Pass
NVNT	n40	2422	Ant1	19.84	0	19.84	30	Pass
NVNT	n40	2437	Ant1	20.48	0	20.48	30	Pass
NVNT	n40	2452	Ant1	20.53	0	20.53	30	Pass

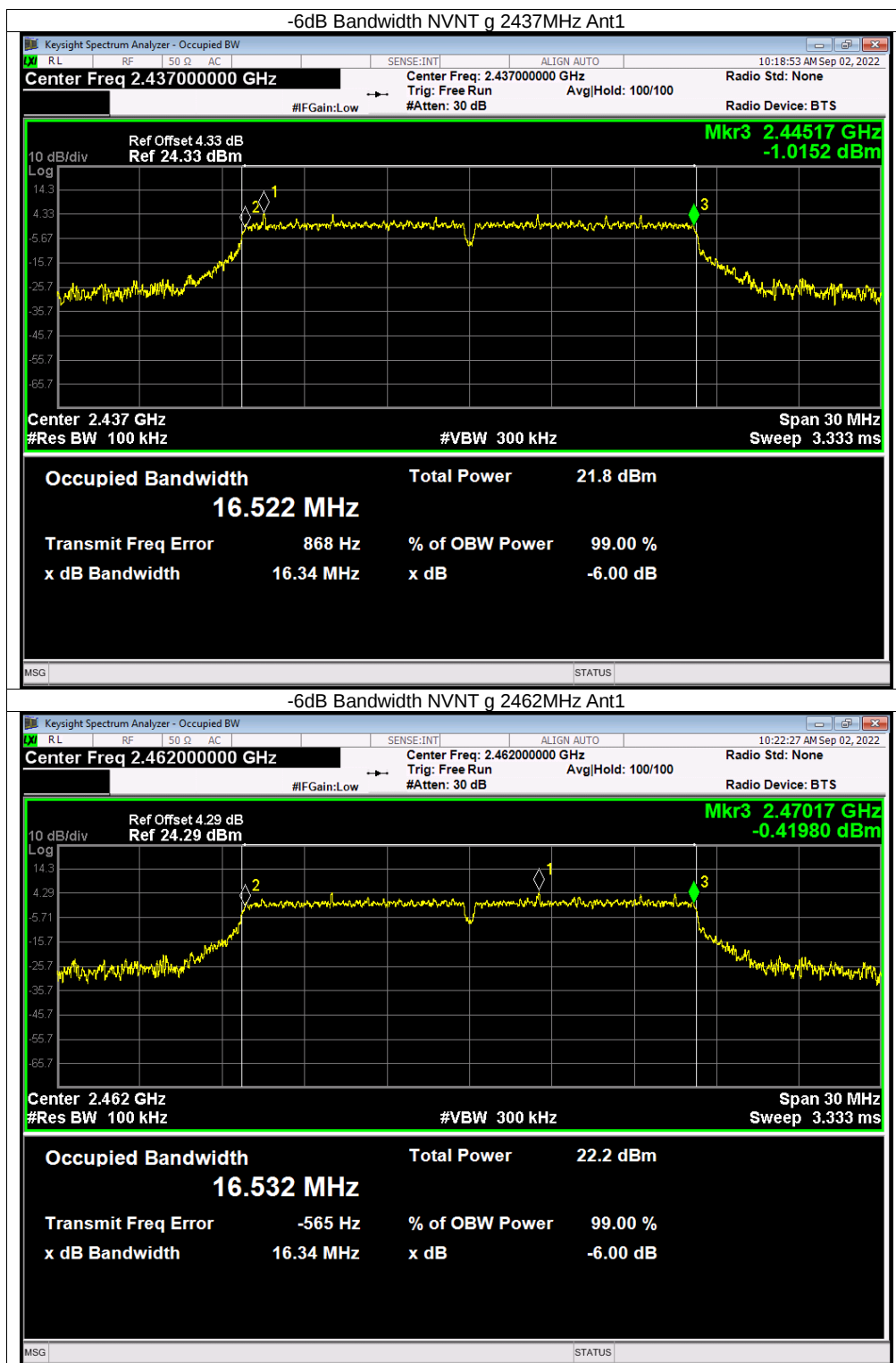


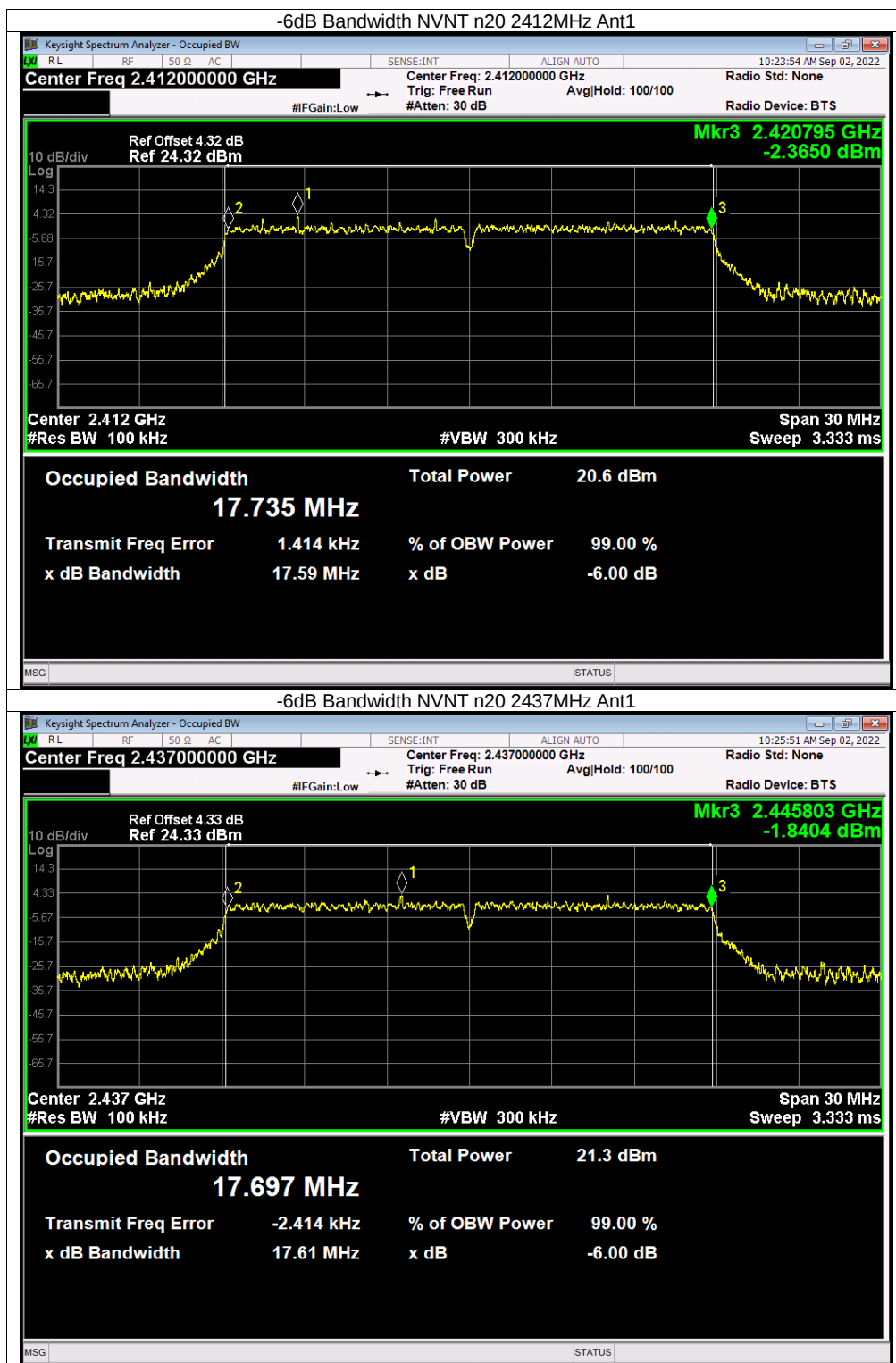
-6DB BANDWIDTH

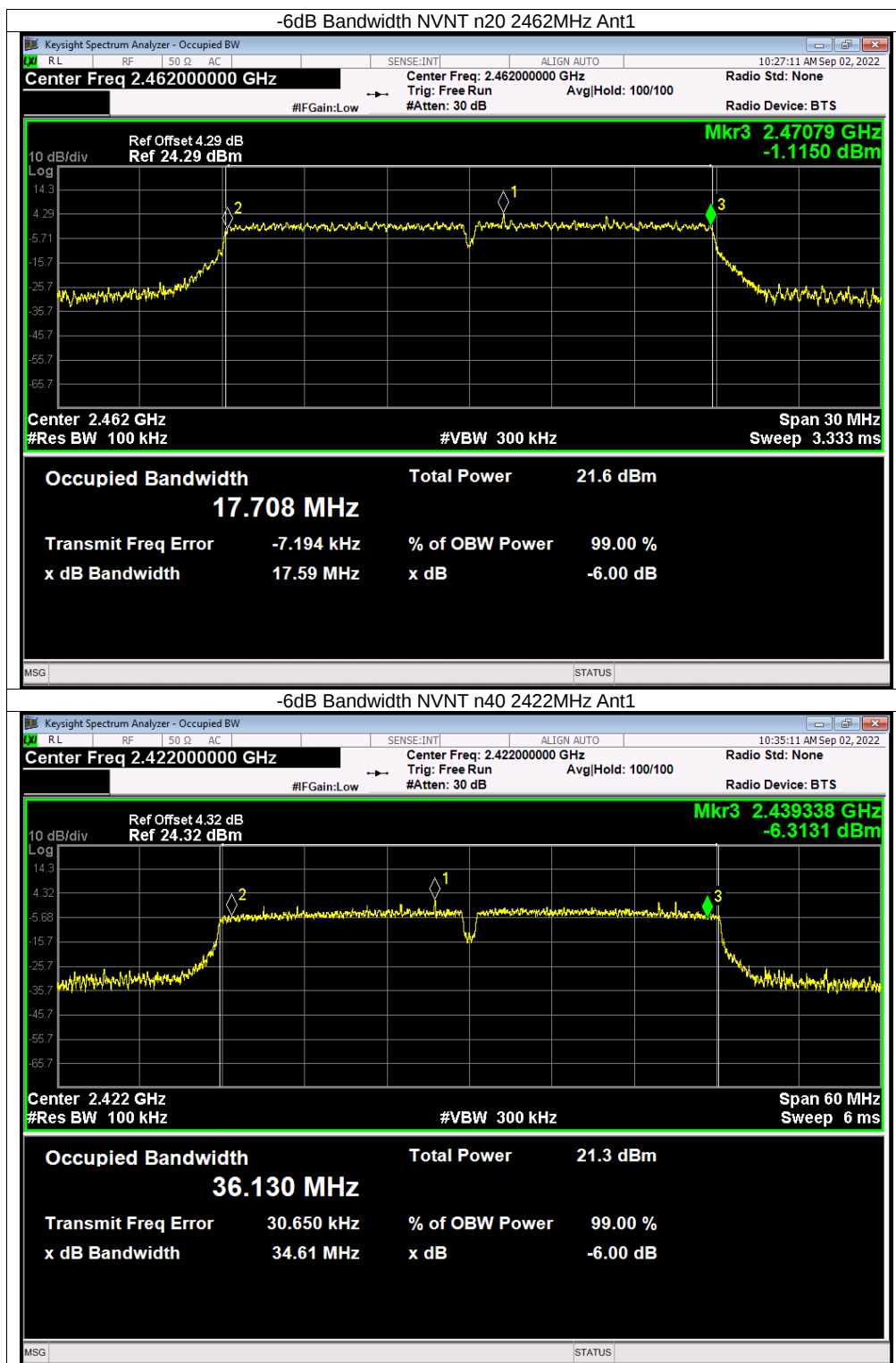
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	10.055	0.5	Pass
NVNT	b	2437	Ant1	9.111	0.5	Pass
NVNT	b	2462	Ant1	10.036	0.5	Pass
NVNT	g	2412	Ant1	16.362	0.5	Pass
NVNT	g	2437	Ant1	16.339	0.5	Pass
NVNT	g	2462	Ant1	16.341	0.5	Pass
NVNT	n20	2412	Ant1	17.586	0.5	Pass
NVNT	n20	2437	Ant1	17.612	0.5	Pass
NVNT	n20	2462	Ant1	17.594	0.5	Pass
NVNT	n40	2422	Ant1	34.615	0.5	Pass
NVNT	n40	2437	Ant1	35.35	0.5	Pass
NVNT	n40	2452	Ant1	35.274	0.5	Pass

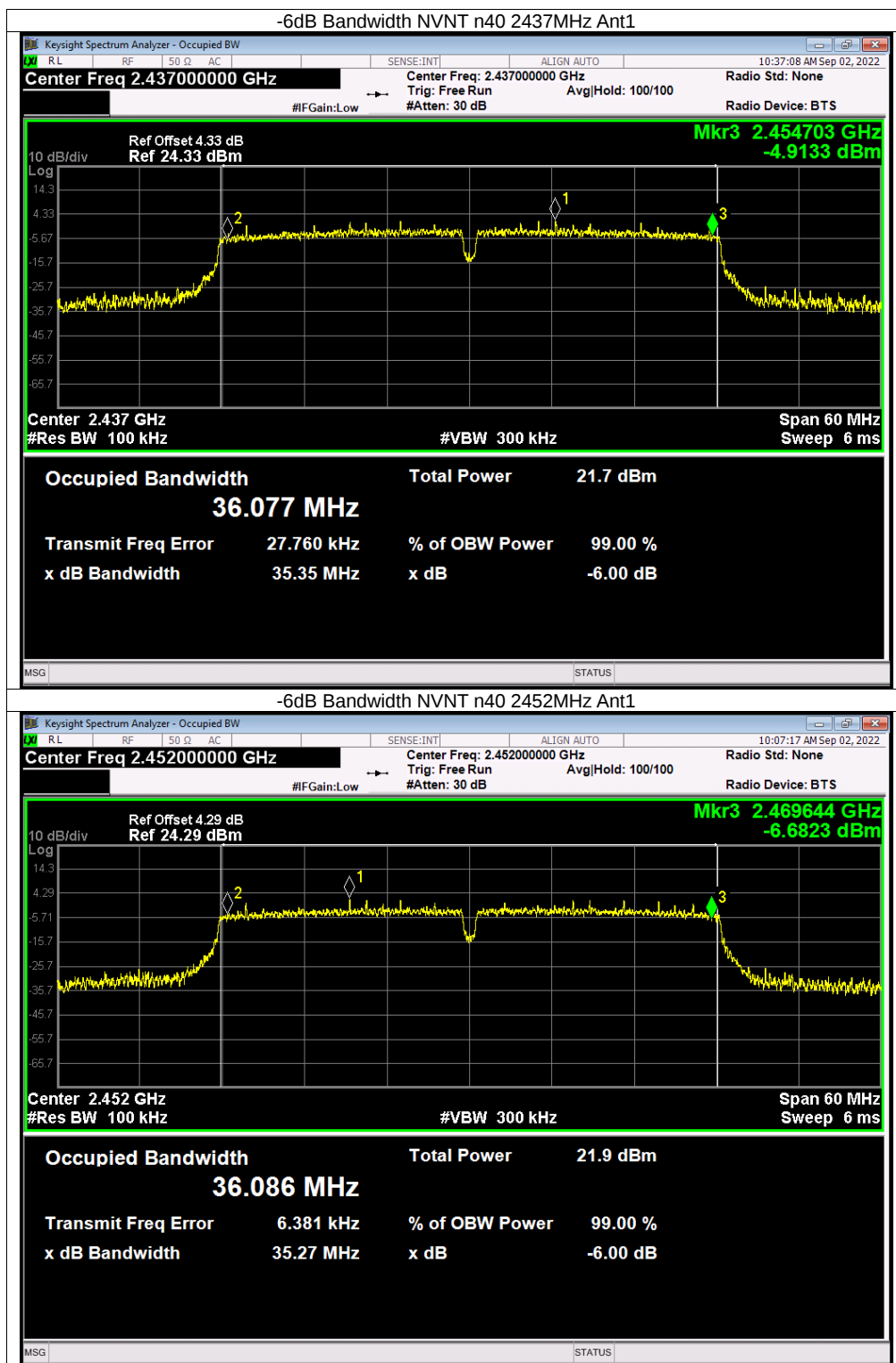








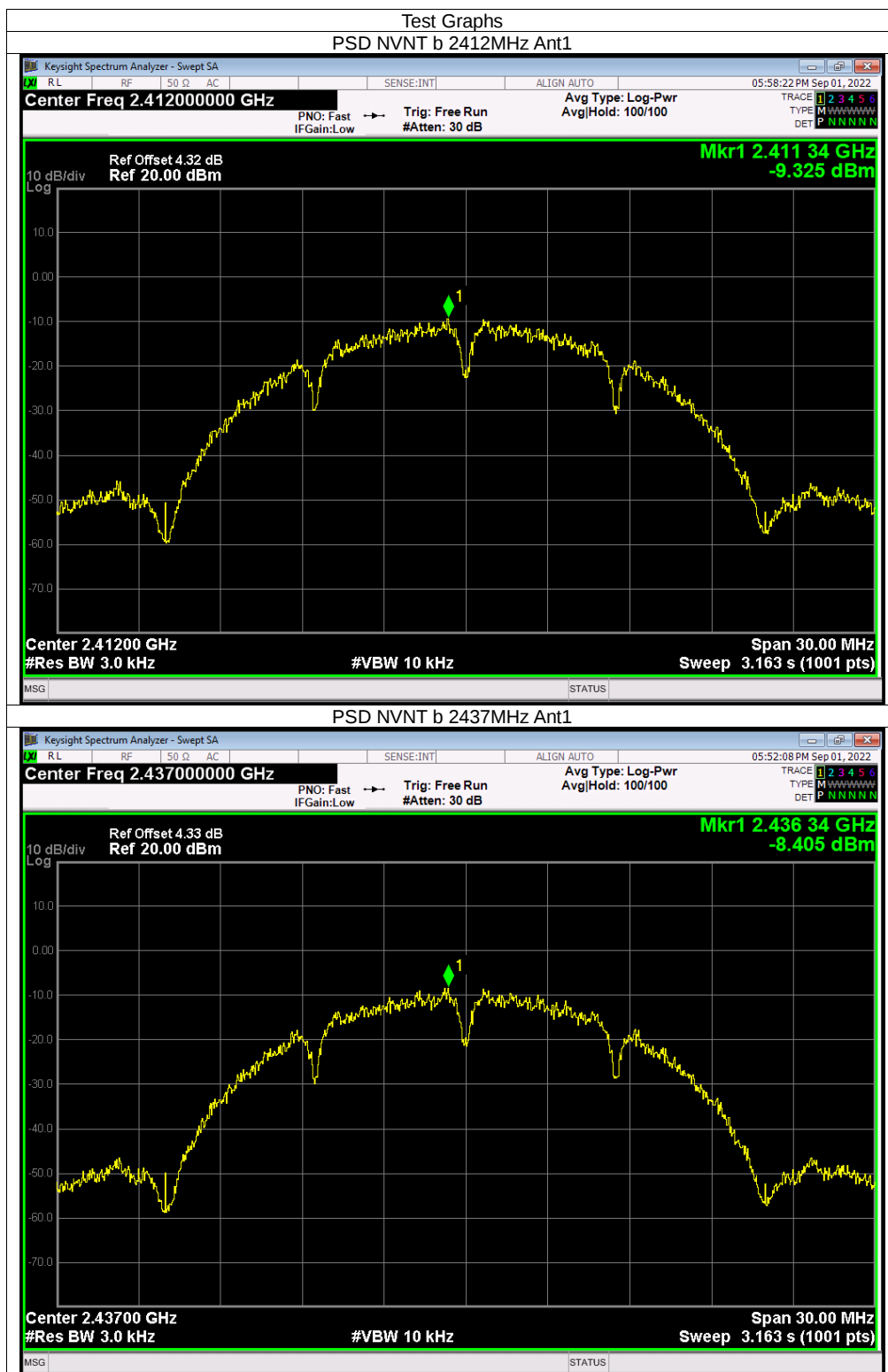


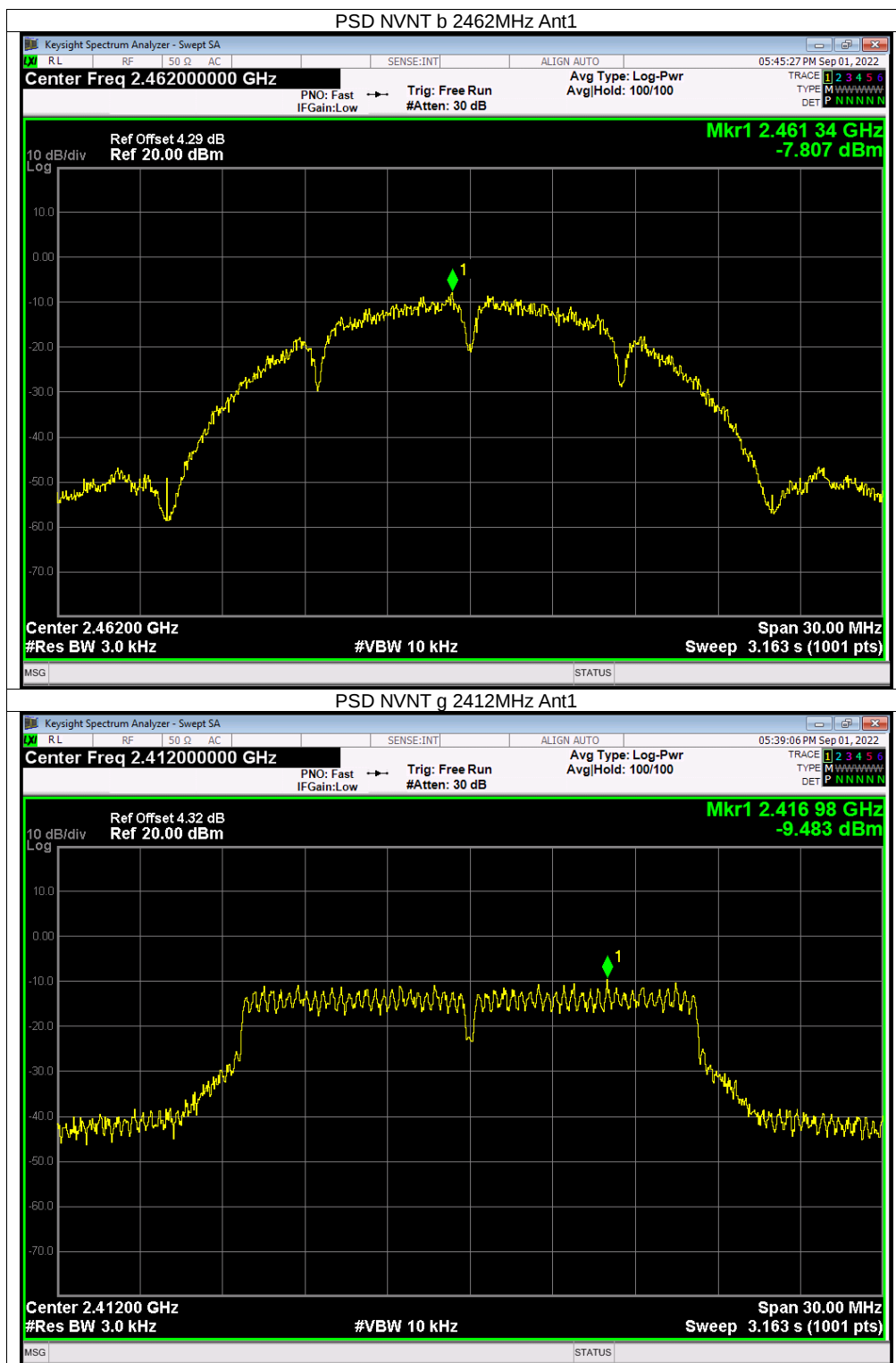


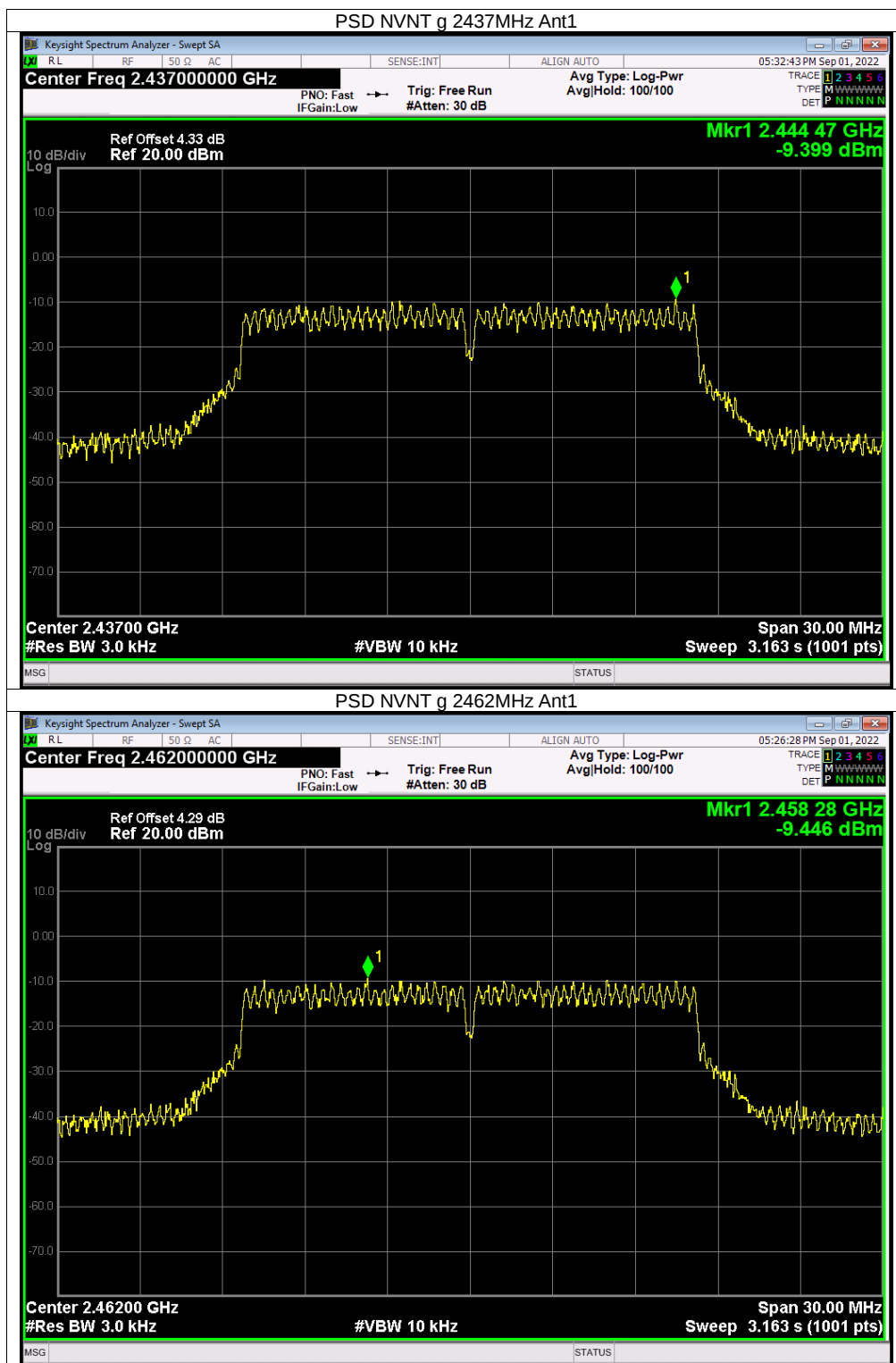


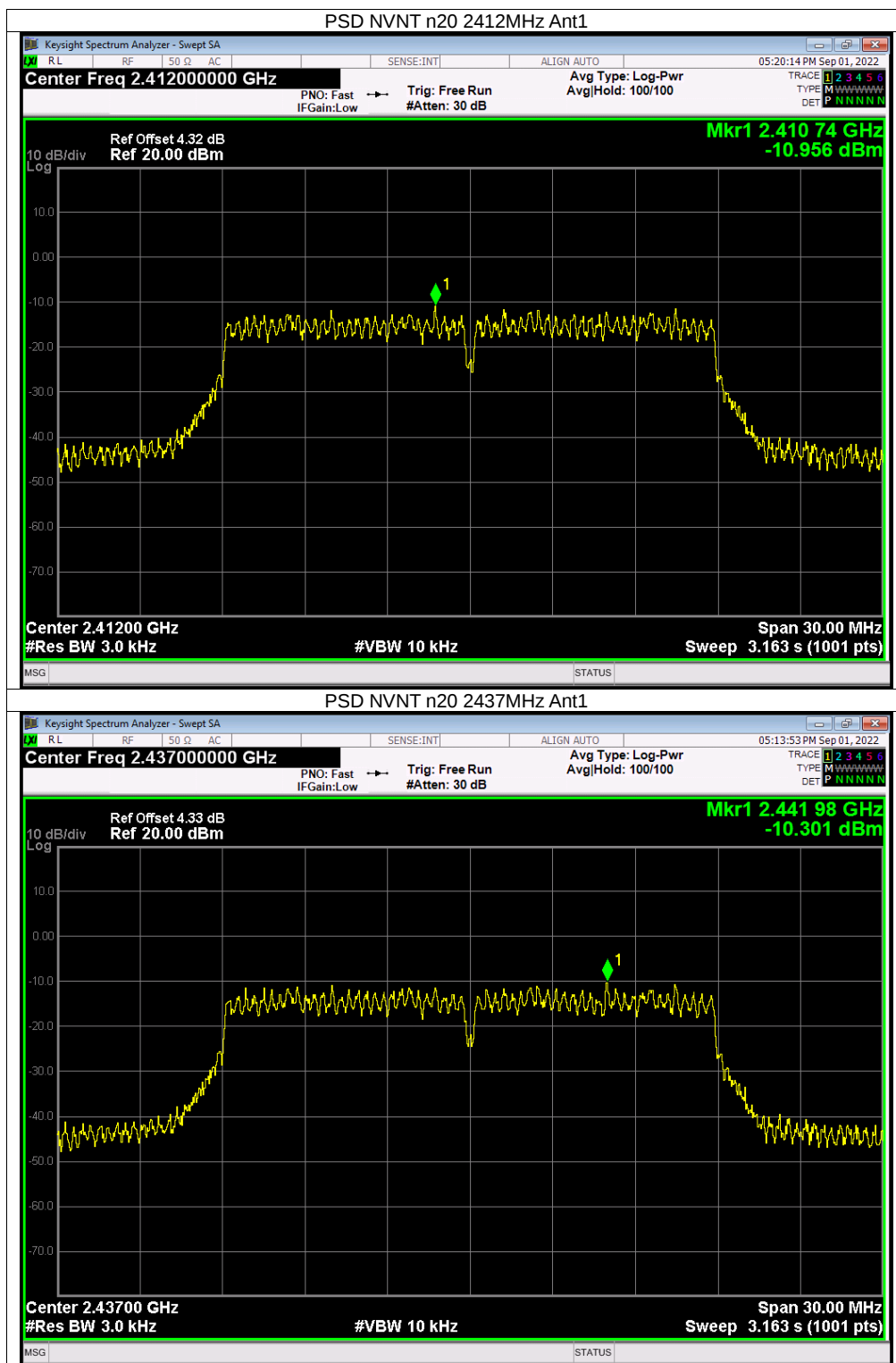
MAXIMUM POWER SPECTRAL DENSITY LEVEL

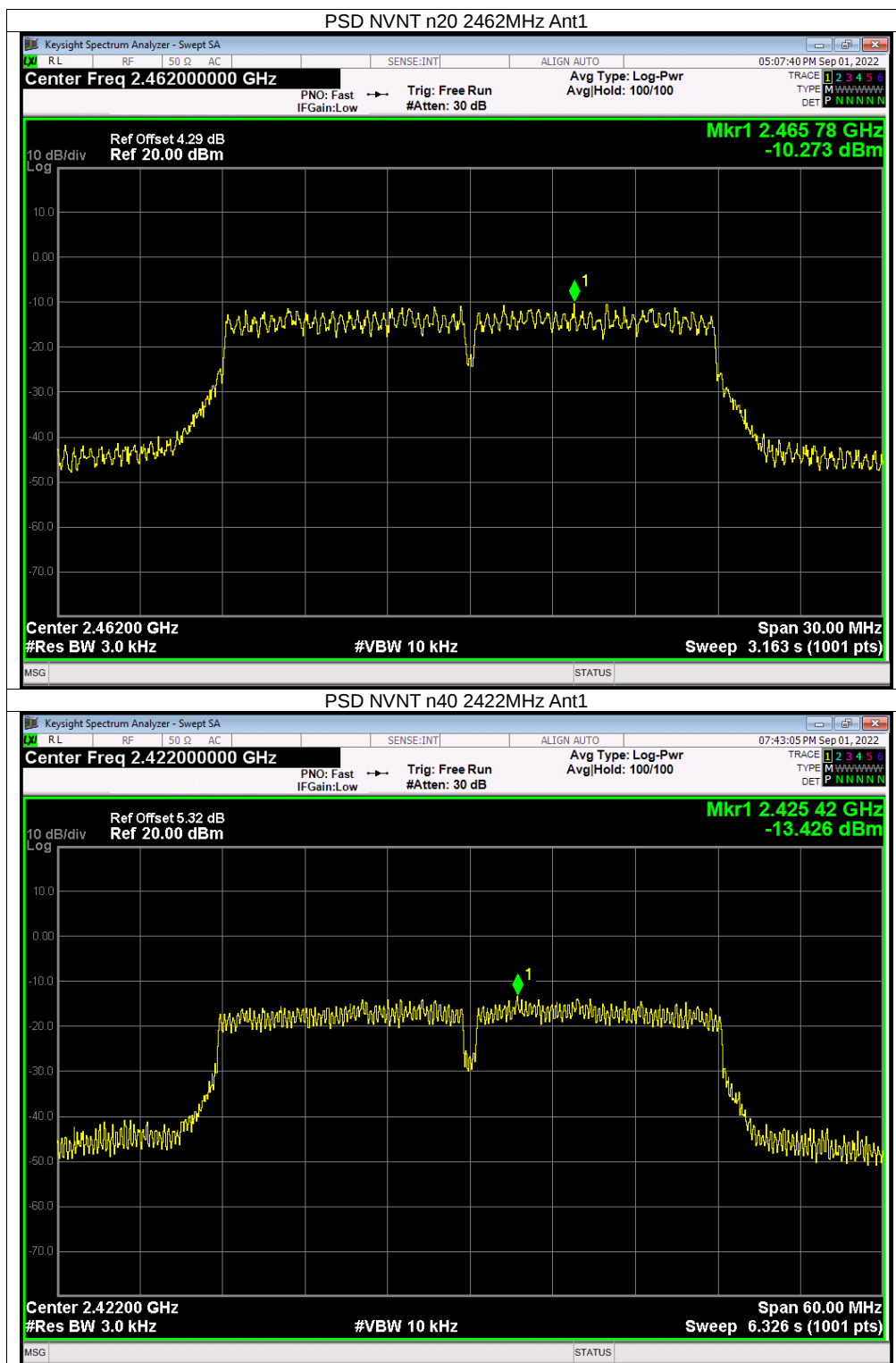
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-9.32	0	-9.32	8	Pass
NVNT	b	2437	Ant1	-8.4	0	-8.4	8	Pass
NVNT	b	2462	Ant1	-7.81	0	-7.81	8	Pass
NVNT	g	2412	Ant1	-9.48	0	-9.48	8	Pass
NVNT	g	2437	Ant1	-9.4	0	-9.4	8	Pass
NVNT	g	2462	Ant1	-9.45	0	-9.45	8	Pass
NVNT	n20	2412	Ant1	-10.96	0	-10.96	8	Pass
NVNT	n20	2437	Ant1	-10.3	0	-10.3	8	Pass
NVNT	n20	2462	Ant1	-10.27	0	-10.27	8	Pass
NVNT	n40	2422	Ant1	-13.43	0	-13.43	8	Pass
NVNT	n40	2437	Ant1	-12.68	0	-12.68	8	Pass
NVNT	n40	2452	Ant1	-11.34	0	-11.34	8	Pass

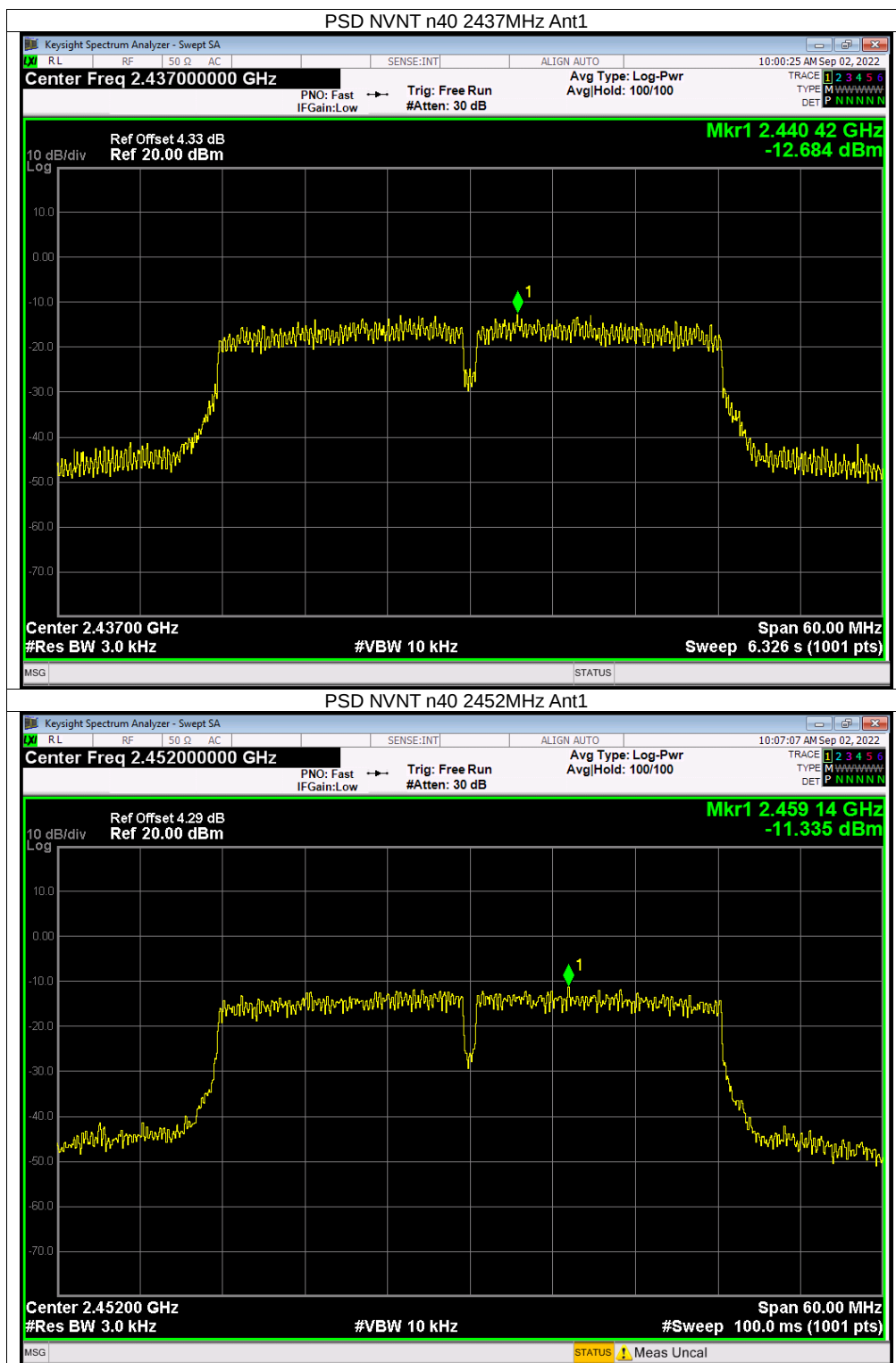








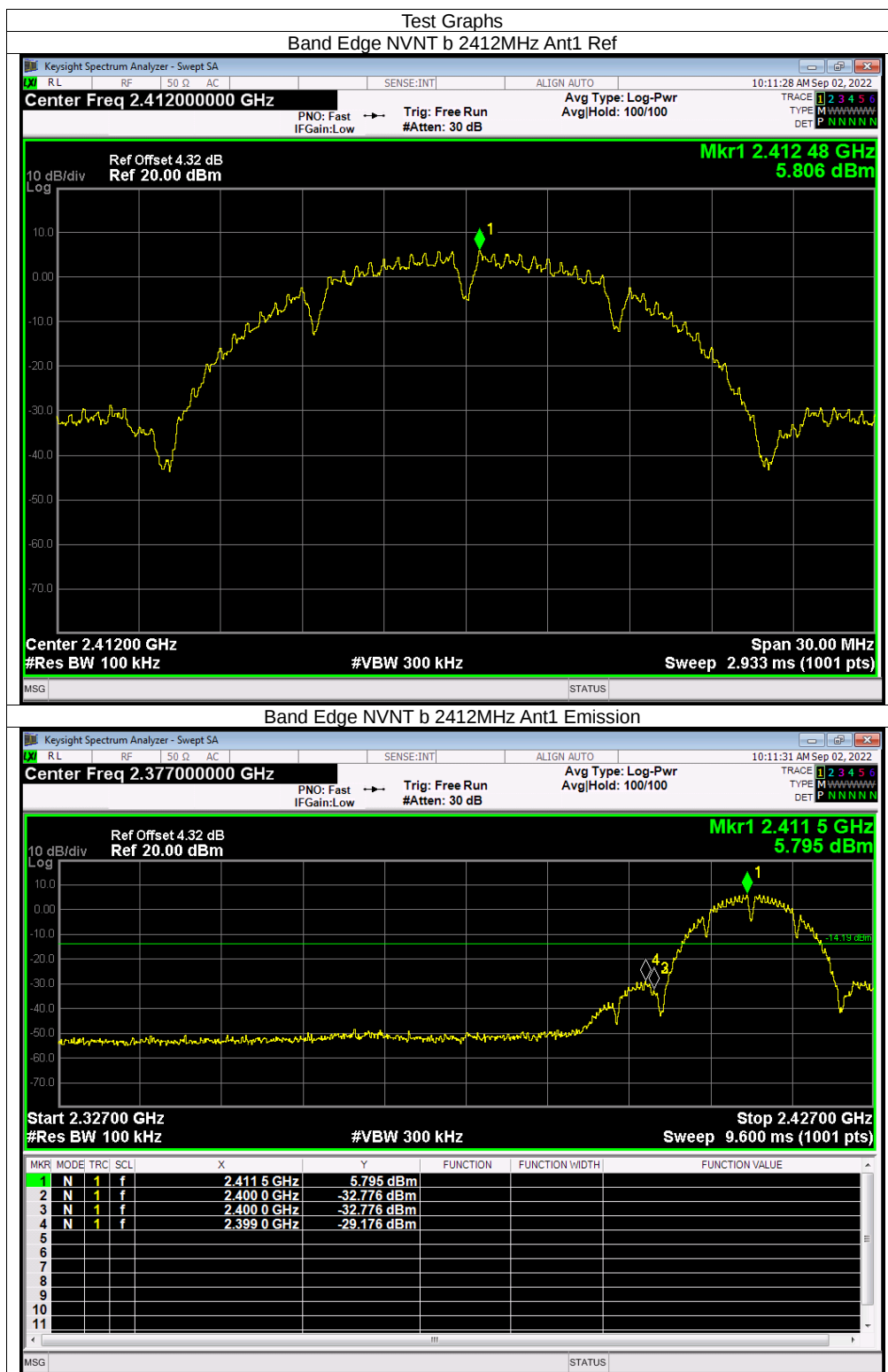




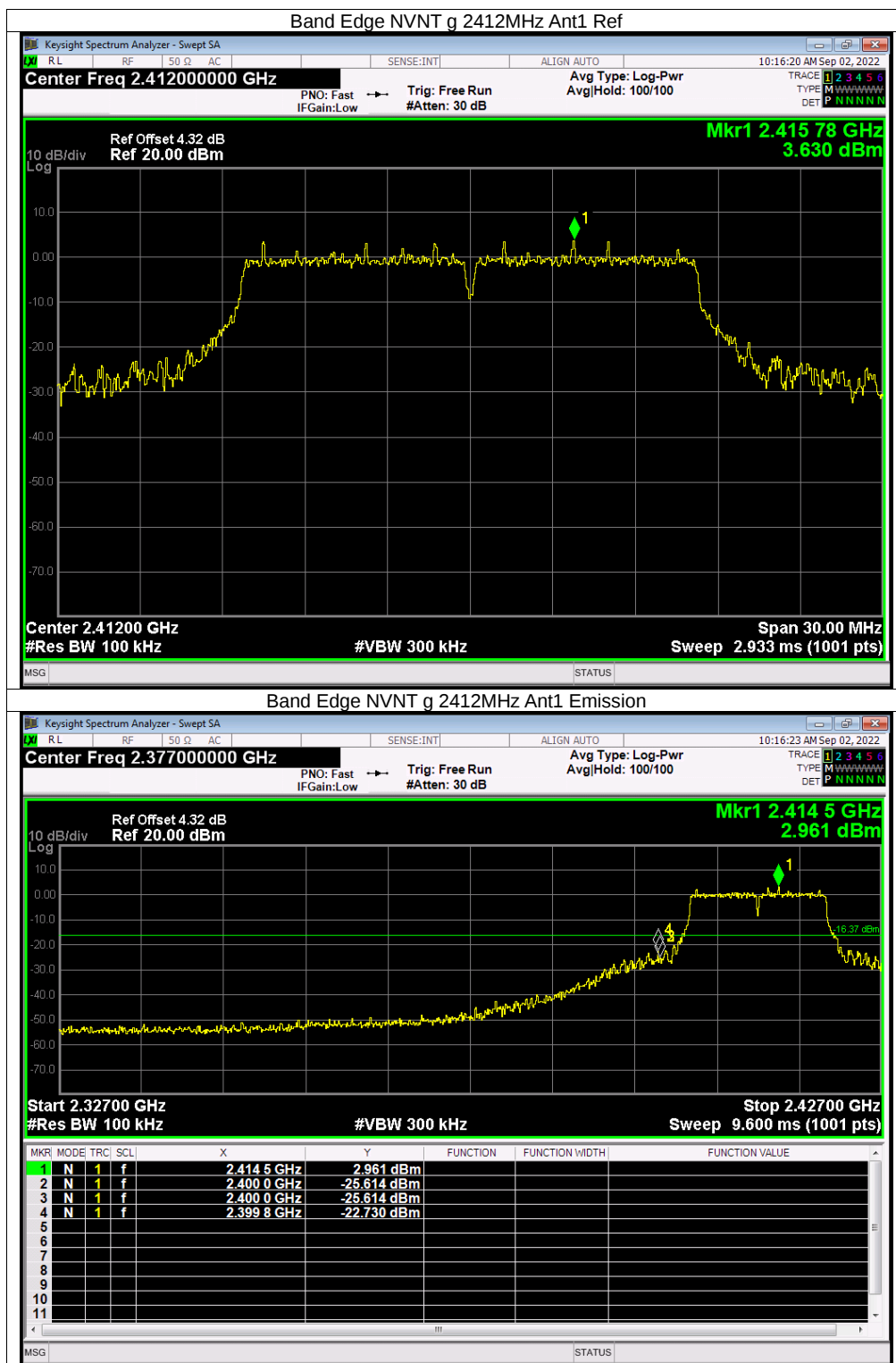


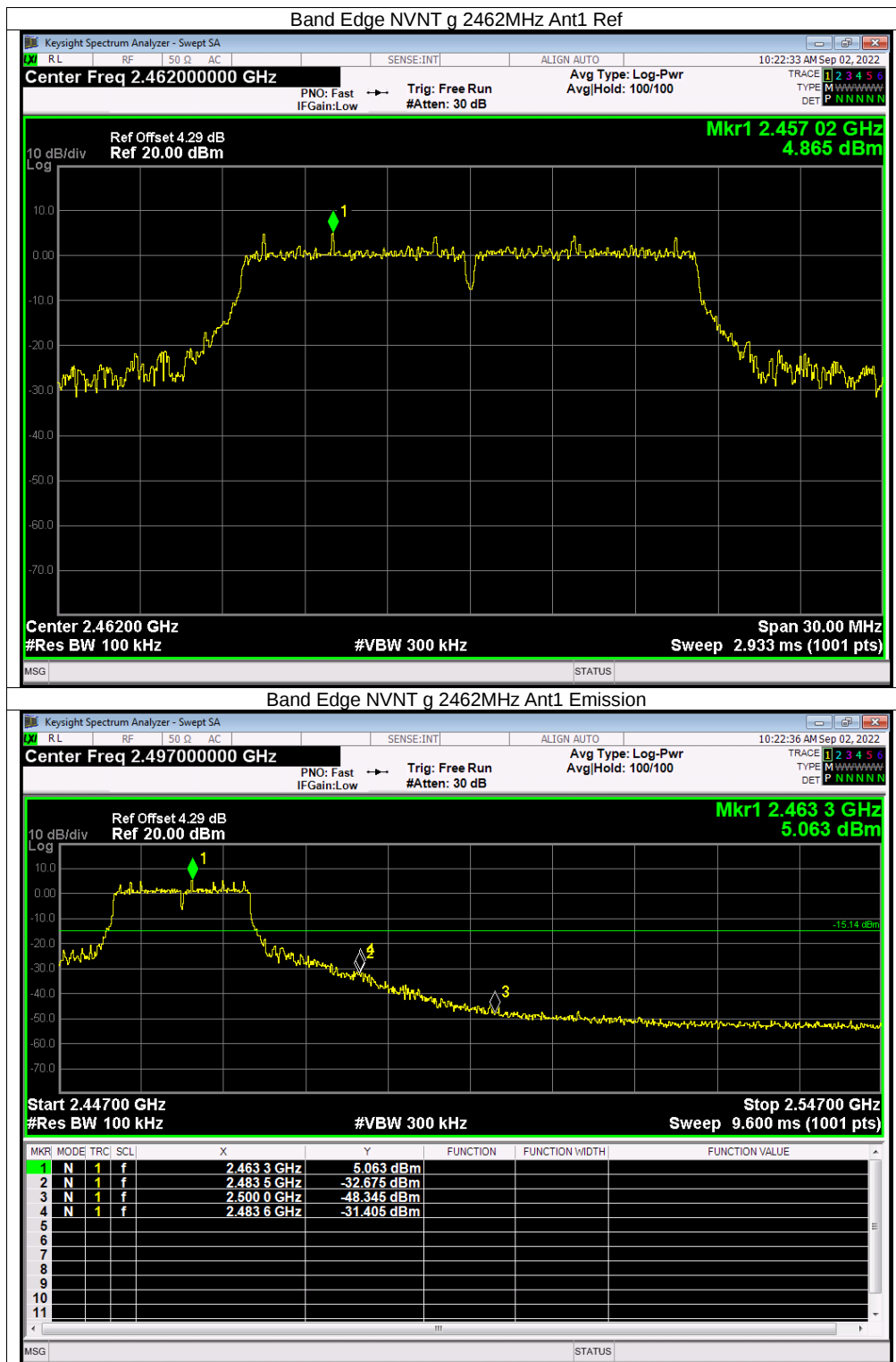
BAND EDGE

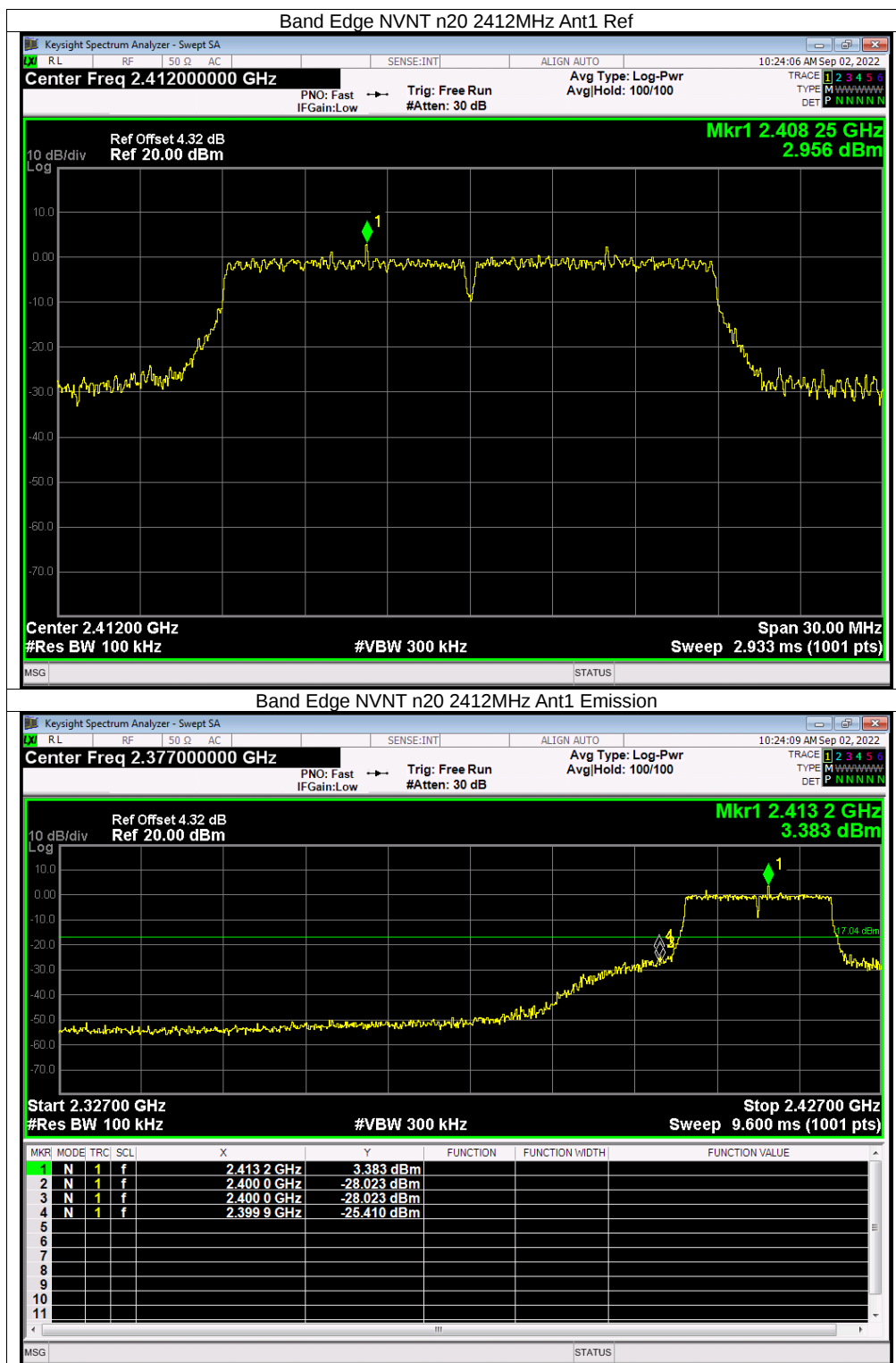
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-34.98	-20	Pass
NVNT	b	2462	Ant1	-54.31	-20	Pass
NVNT	g	2412	Ant1	-26.35	-20	Pass
NVNT	g	2462	Ant1	-36.27	-20	Pass
NVNT	n20	2412	Ant1	-28.37	-20	Pass
NVNT	n20	2462	Ant1	-37.89	-20	Pass
NVNT	n40	2422	Ant1	-28.52	-20	Pass
NVNT	n40	2452	Ant1	-34.24	-20	Pass

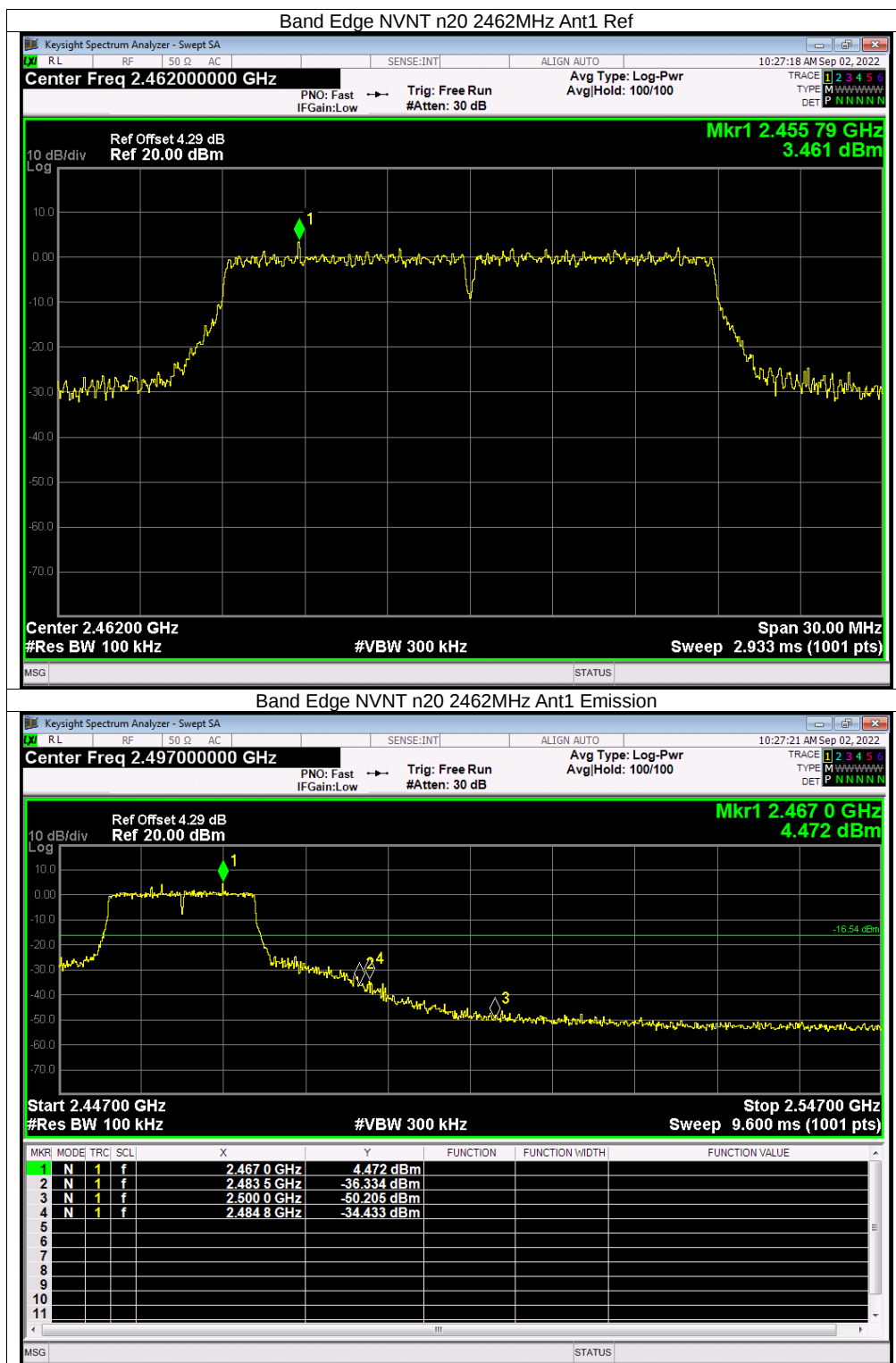


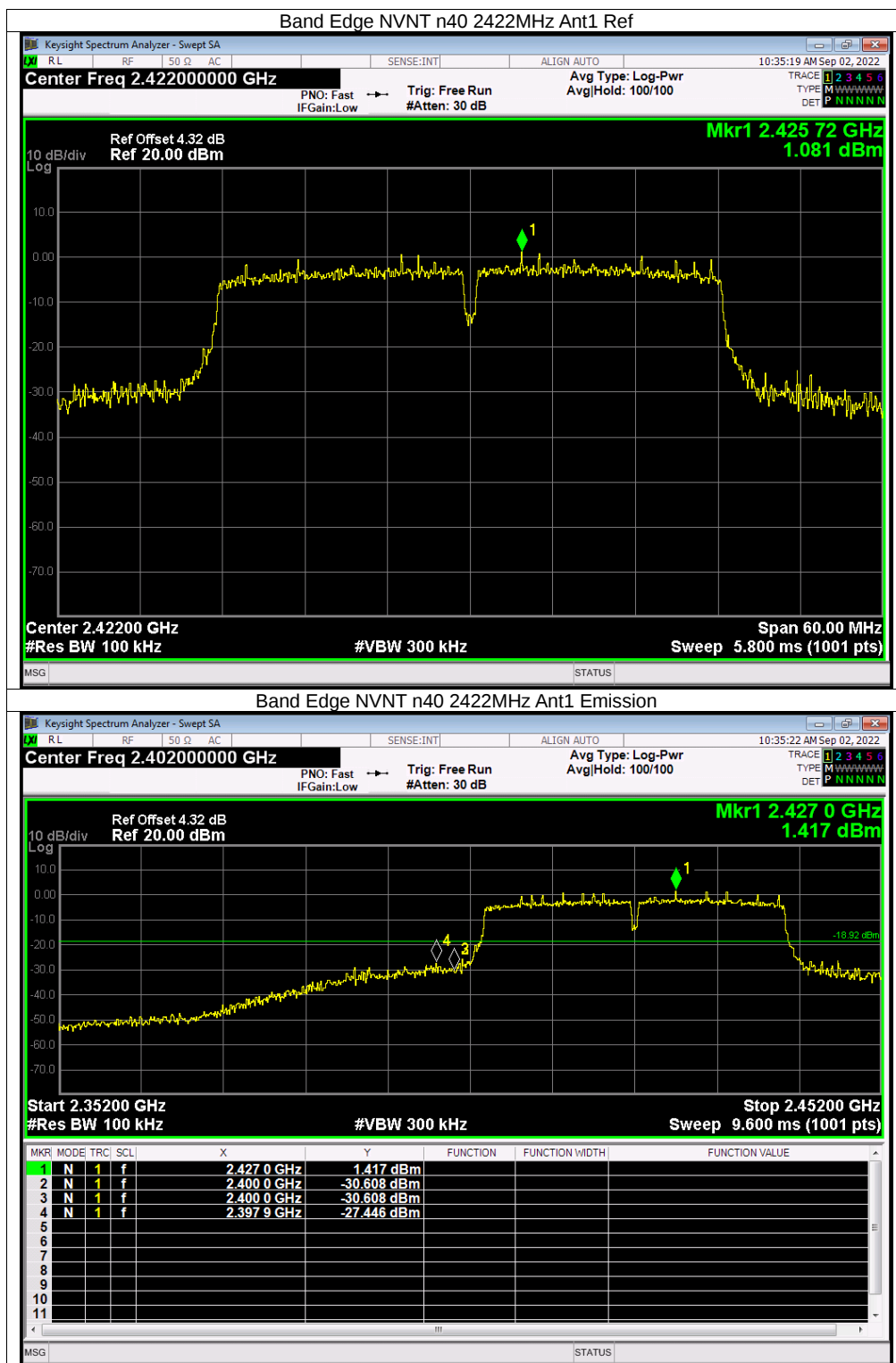


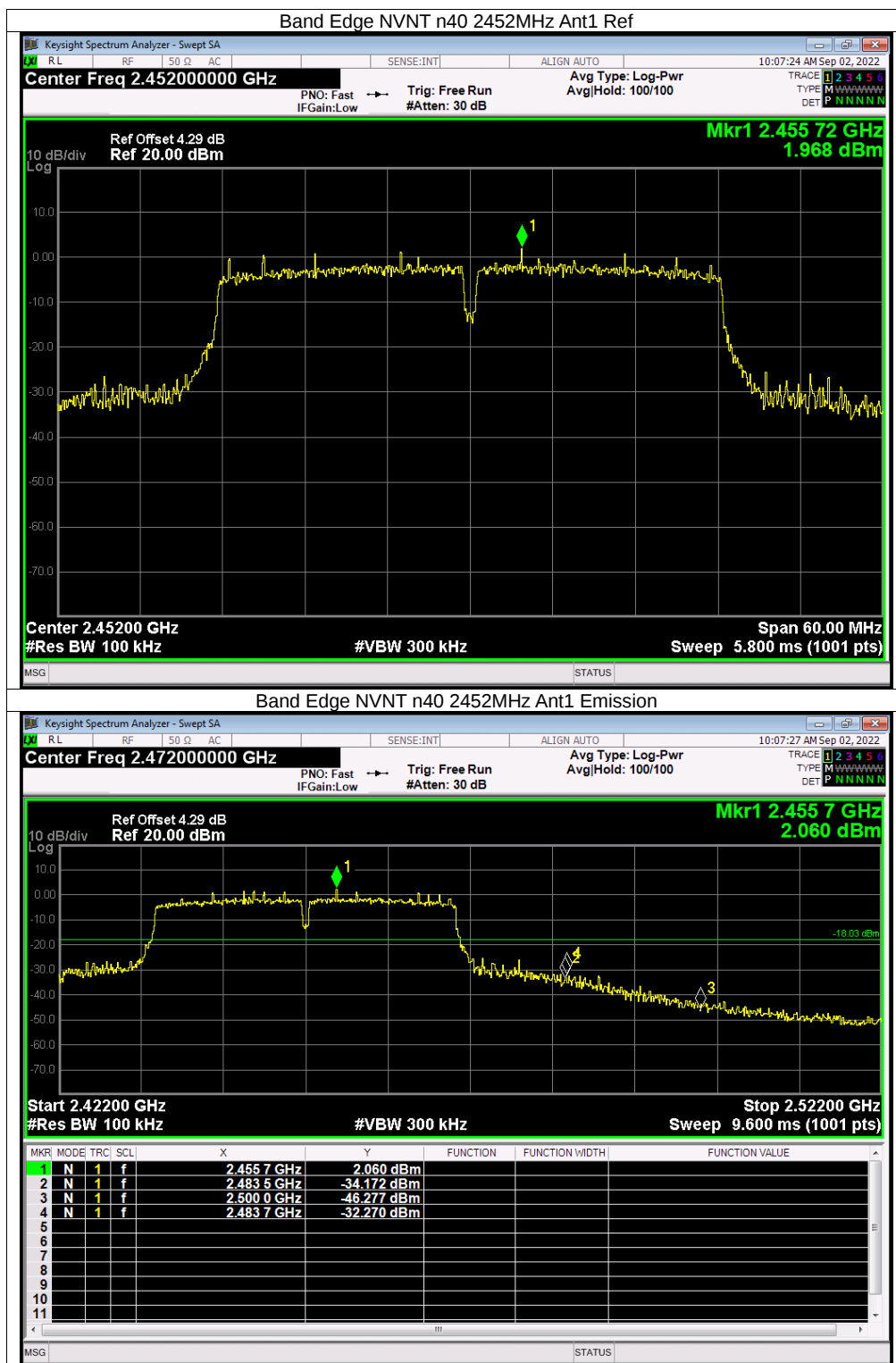








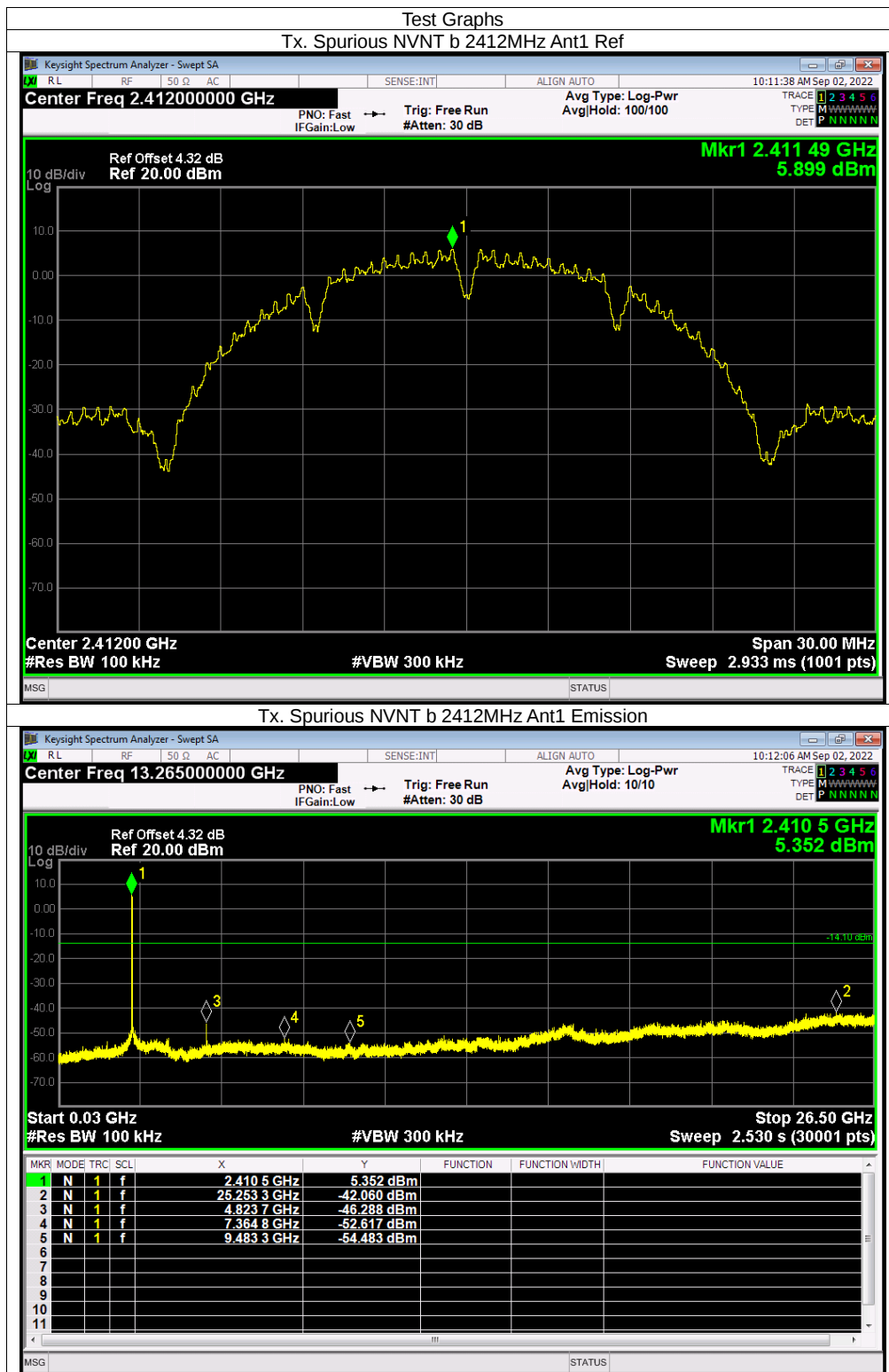


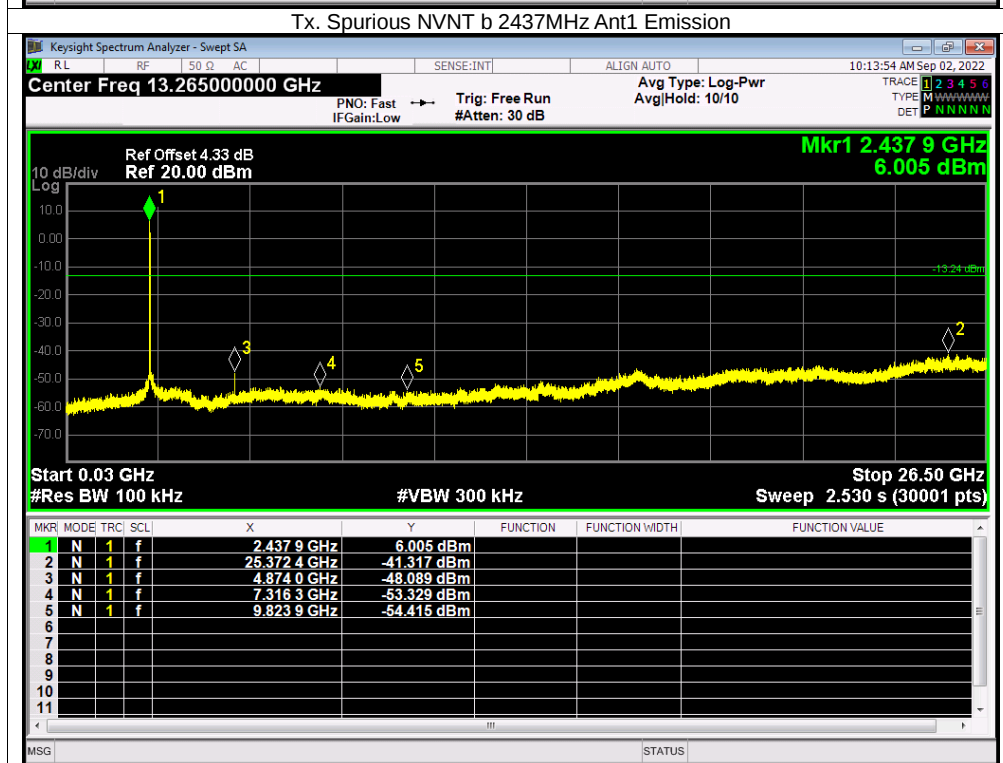
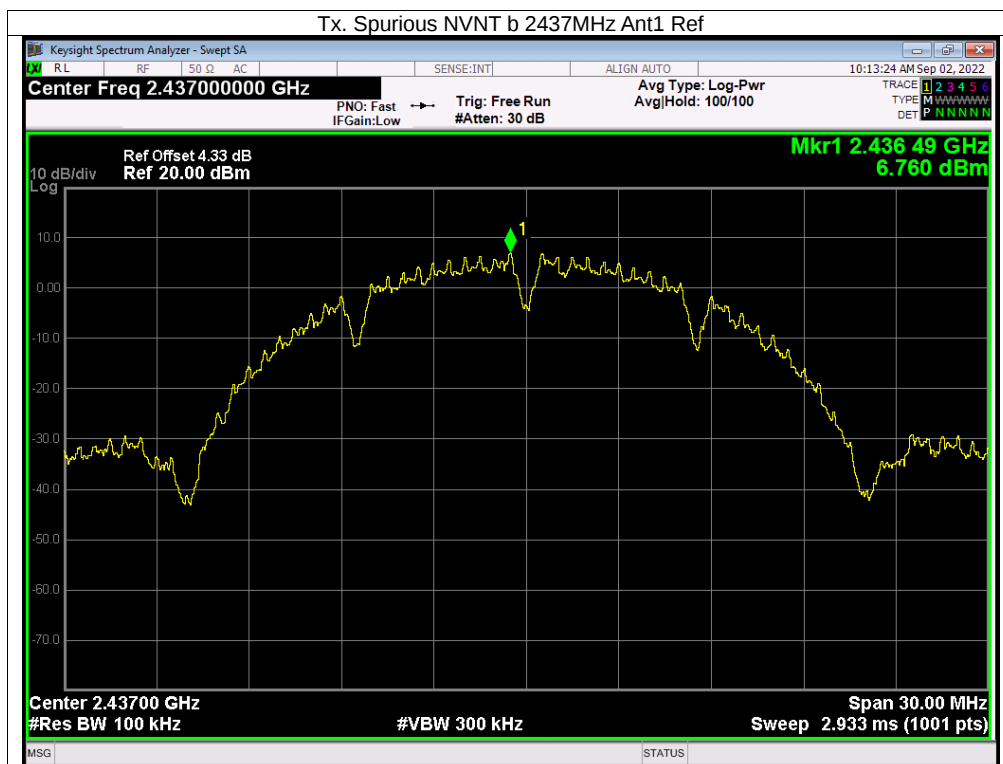


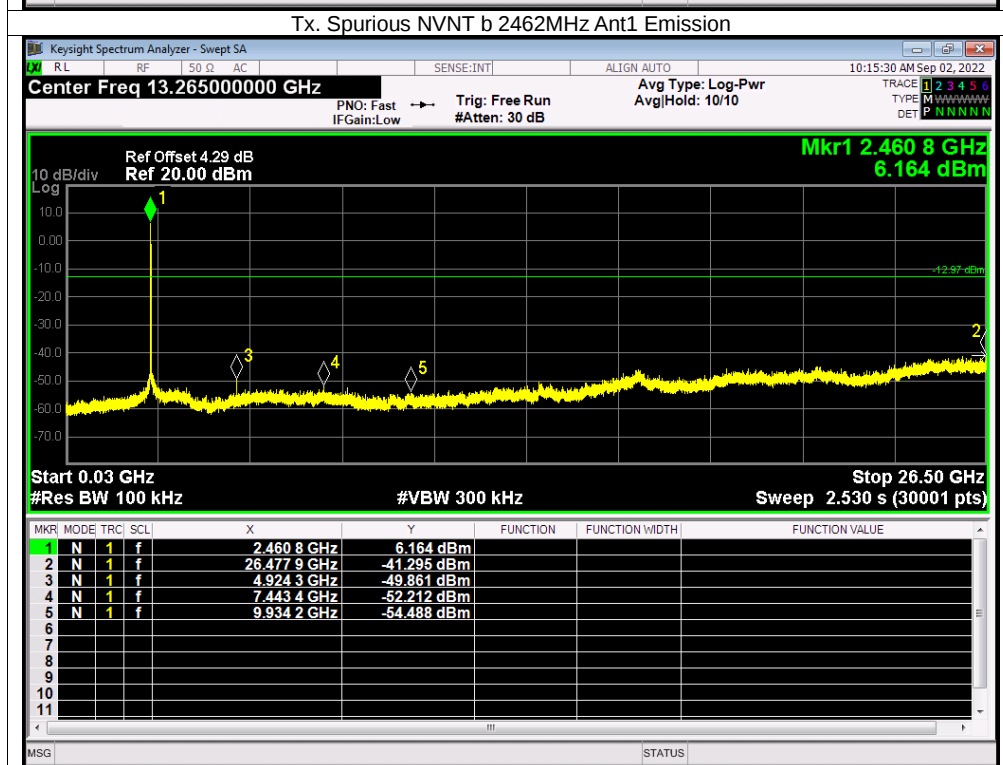
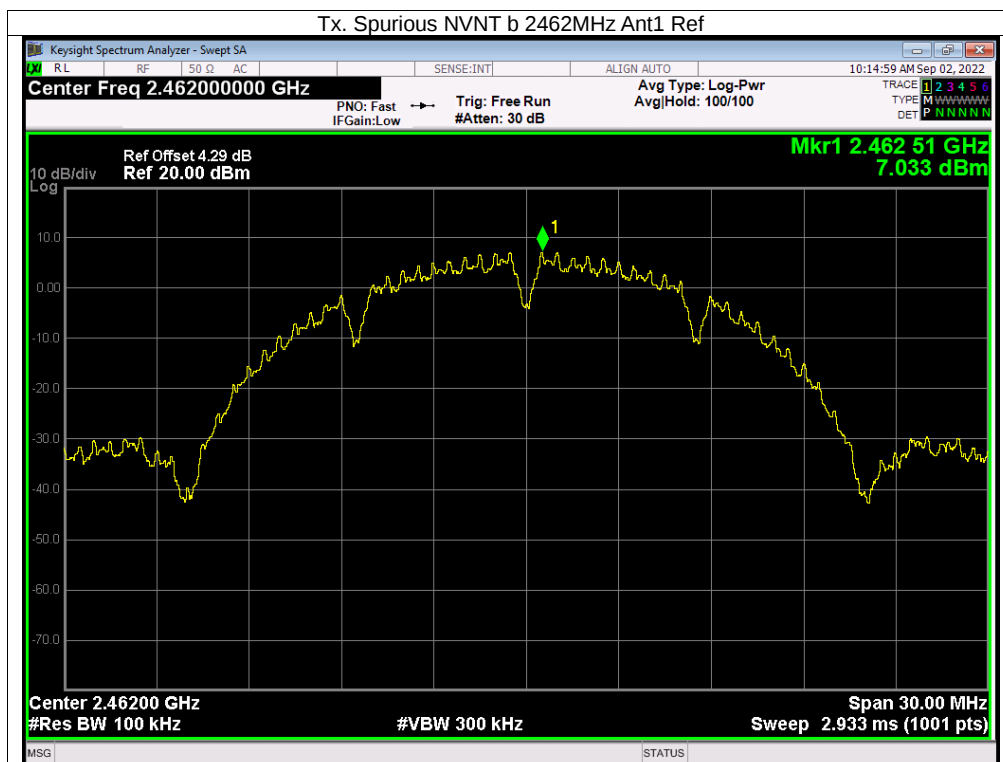


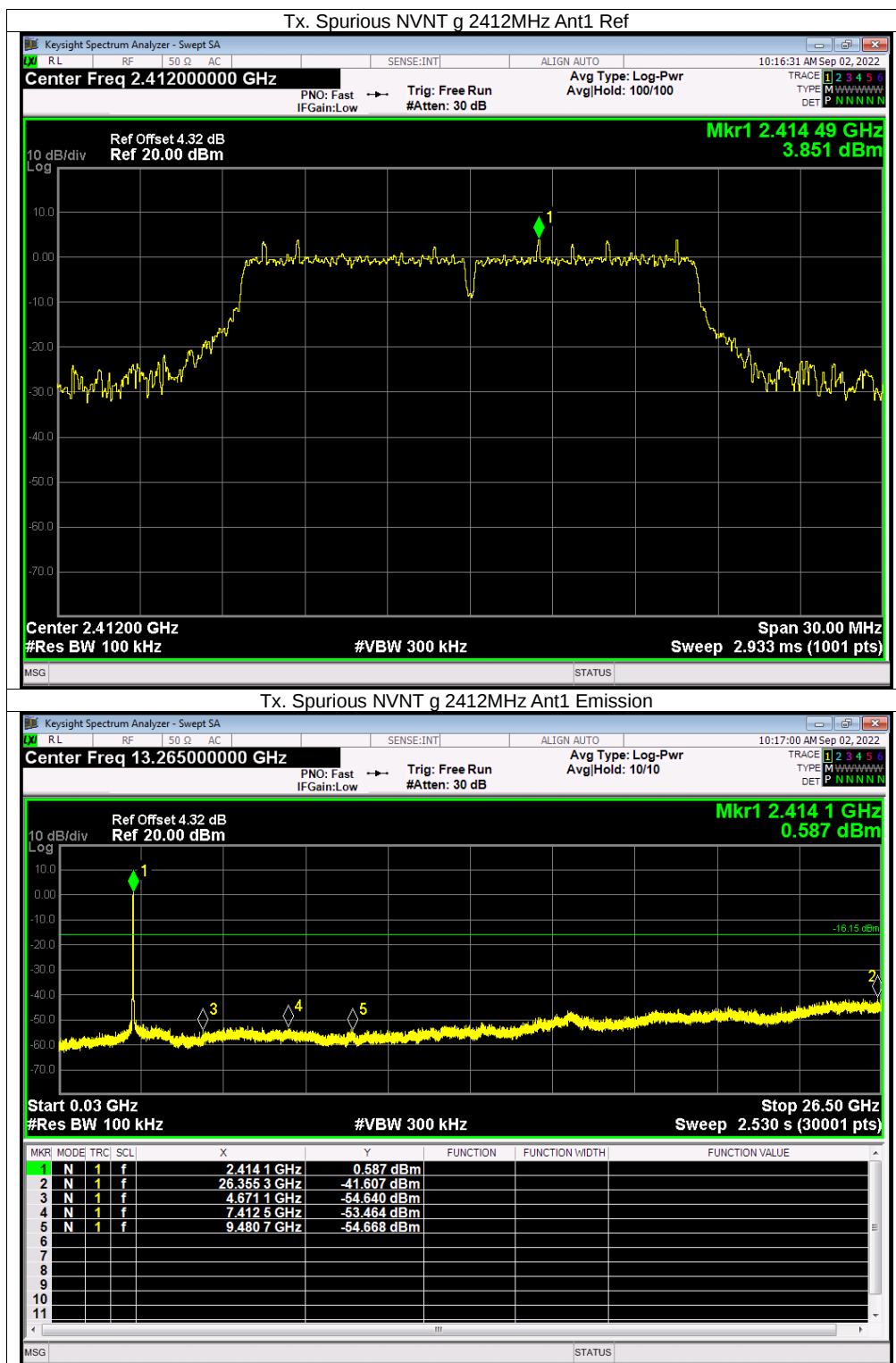
CONDUCTED RF SPURIOUS EMISSION

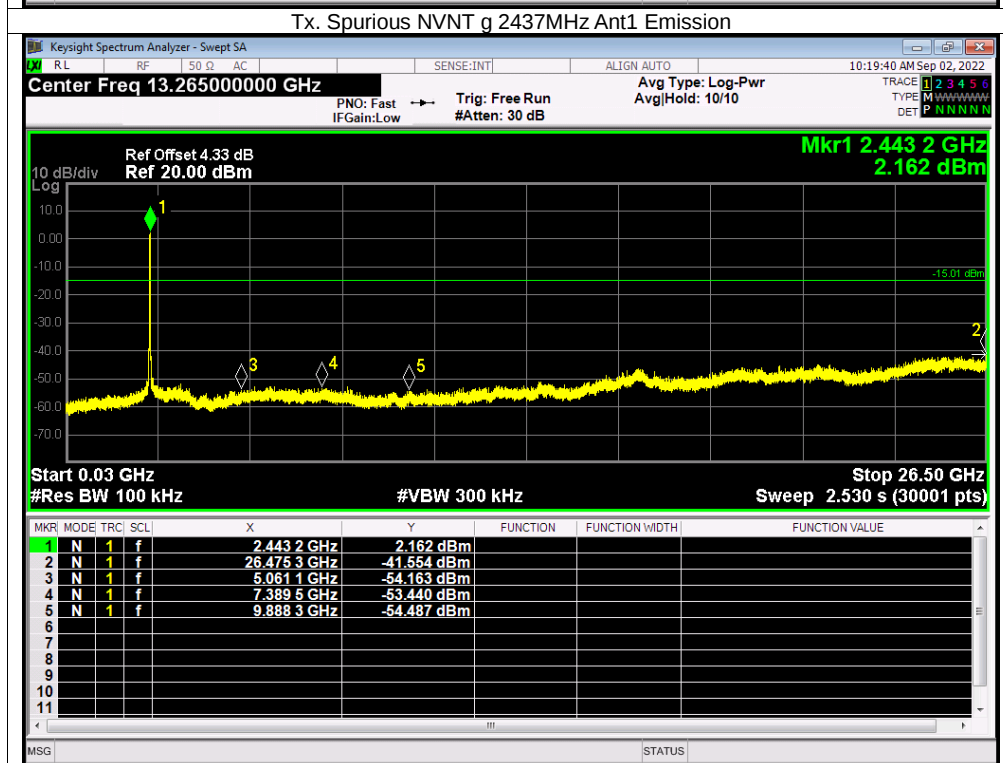
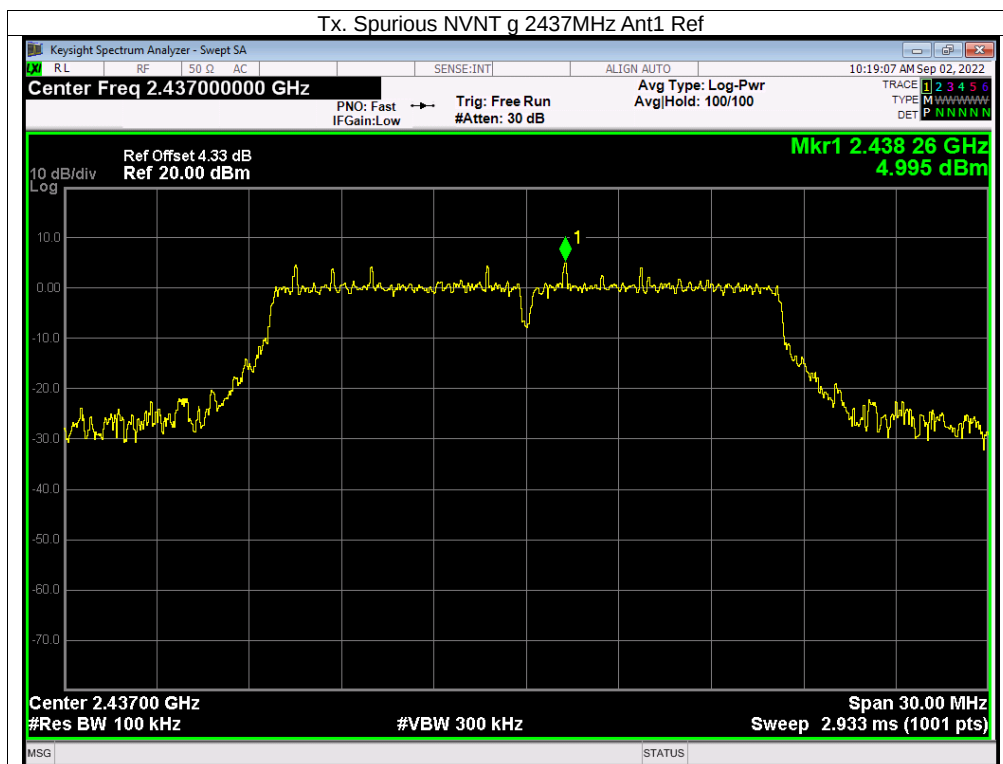
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-47.96	-20	Pass
NVNT	b	2437	Ant1	-48.07	-20	Pass
NVNT	b	2462	Ant1	-48.32	-20	Pass
NVNT	g	2412	Ant1	-45.45	-20	Pass
NVNT	g	2437	Ant1	-46.55	-20	Pass
NVNT	g	2462	Ant1	-46.51	-20	Pass
NVNT	n20	2412	Ant1	-44.66	-20	Pass
NVNT	n20	2437	Ant1	-45.4	-20	Pass
NVNT	n20	2462	Ant1	-45.64	-20	Pass
NVNT	n40	2422	Ant1	-43.15	-20	Pass
NVNT	n40	2437	Ant1	-43.3	-20	Pass
NVNT	n40	2452	Ant1	-43.5	-20	Pass

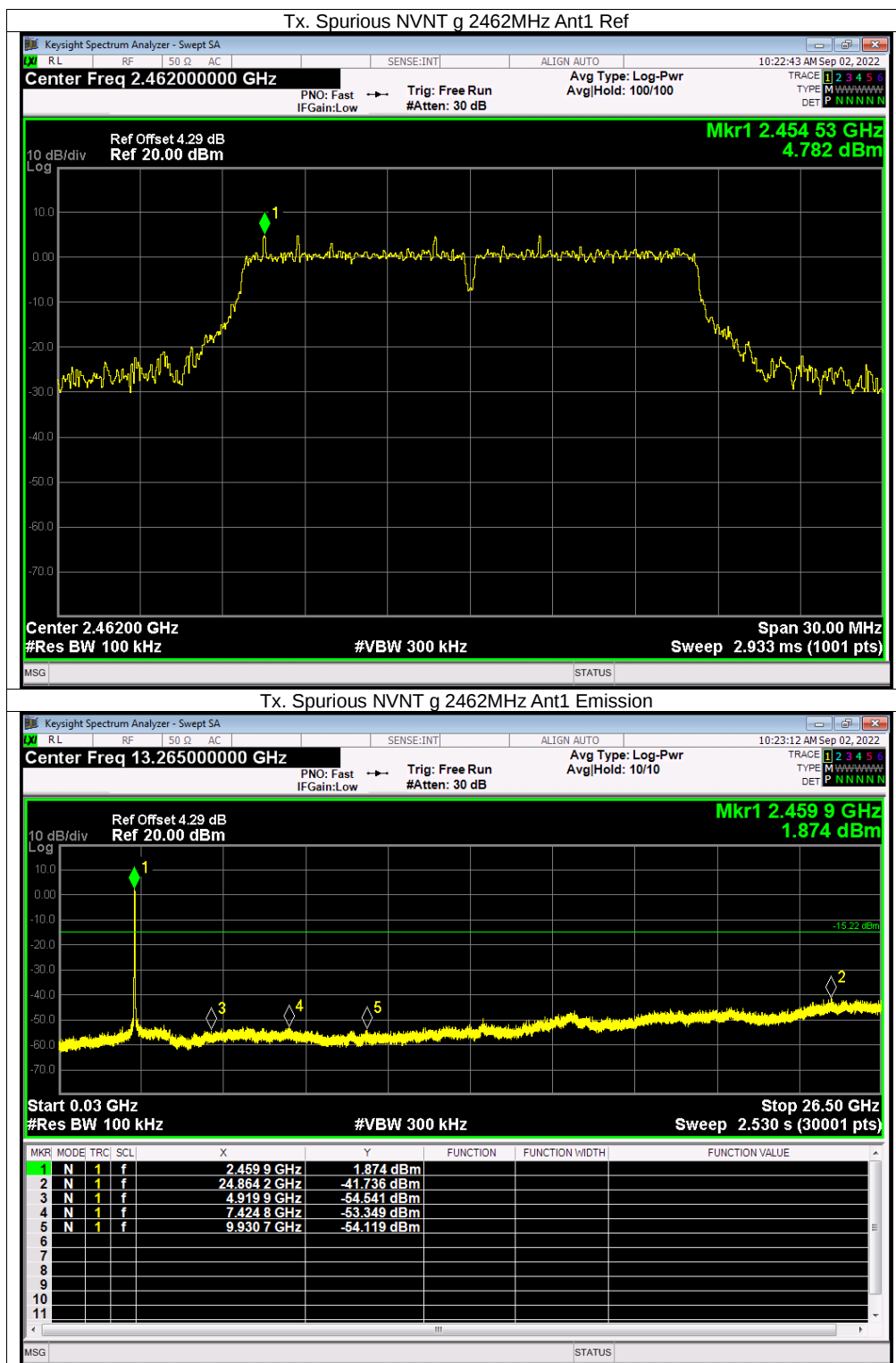


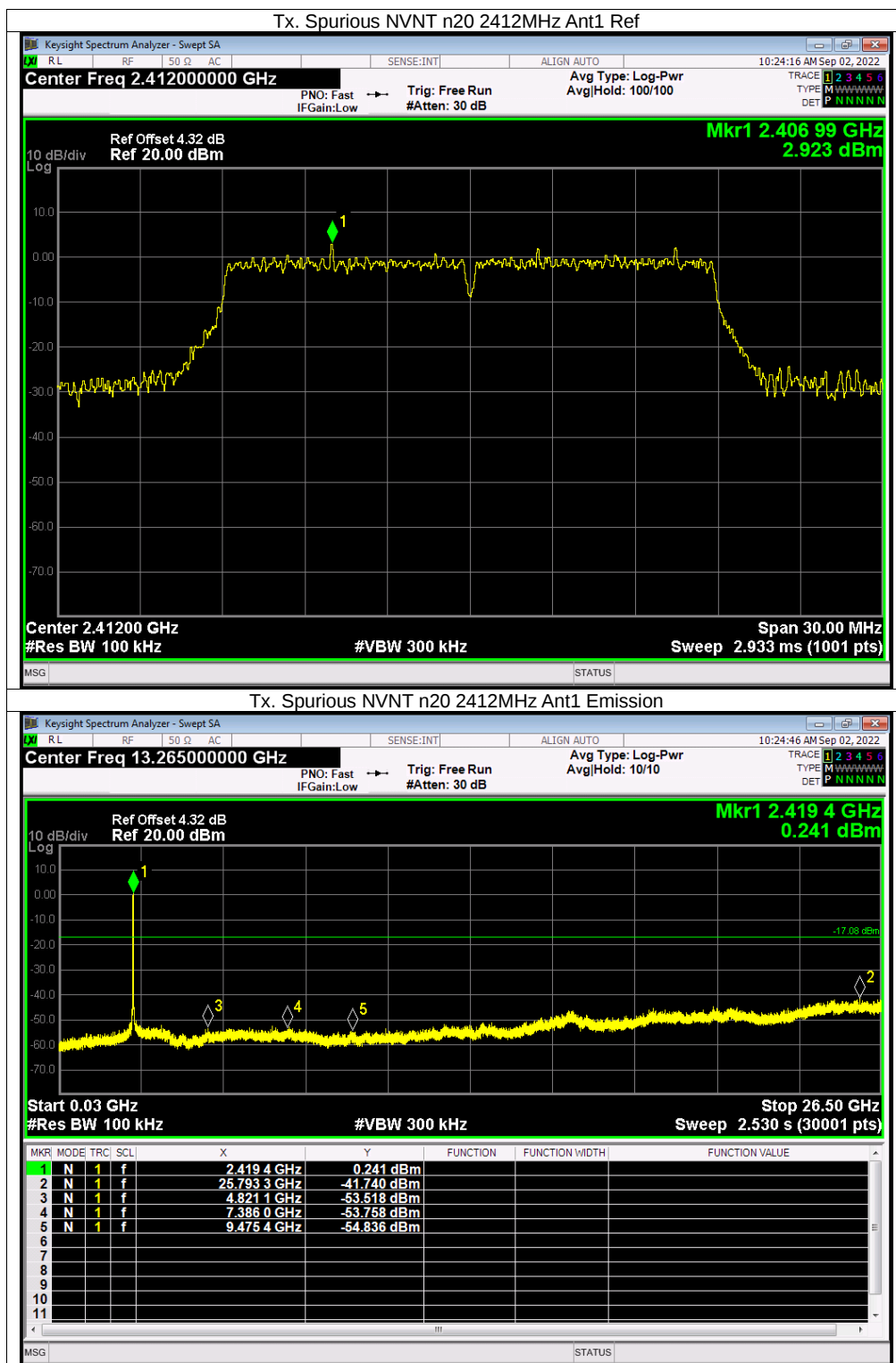


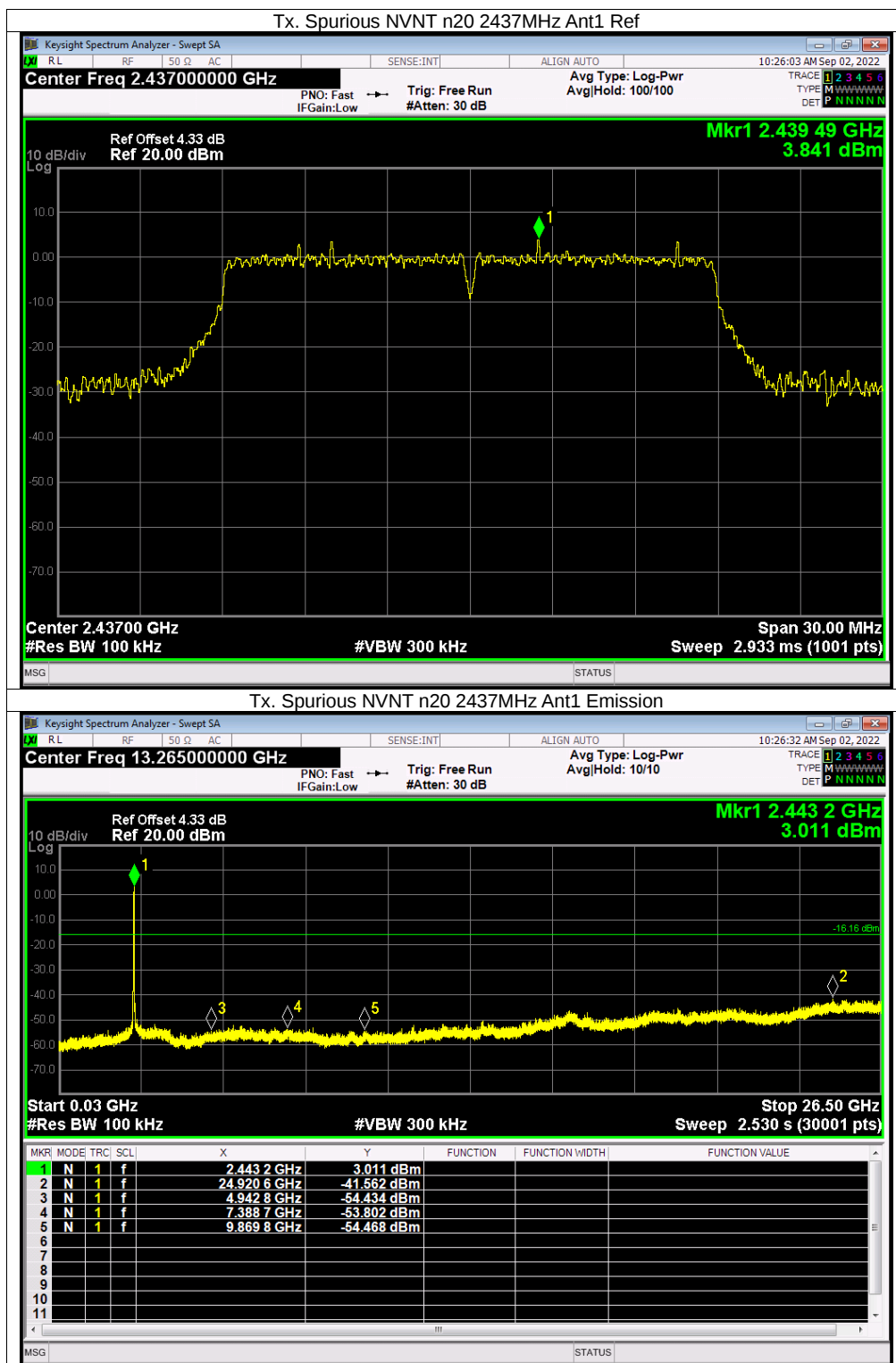


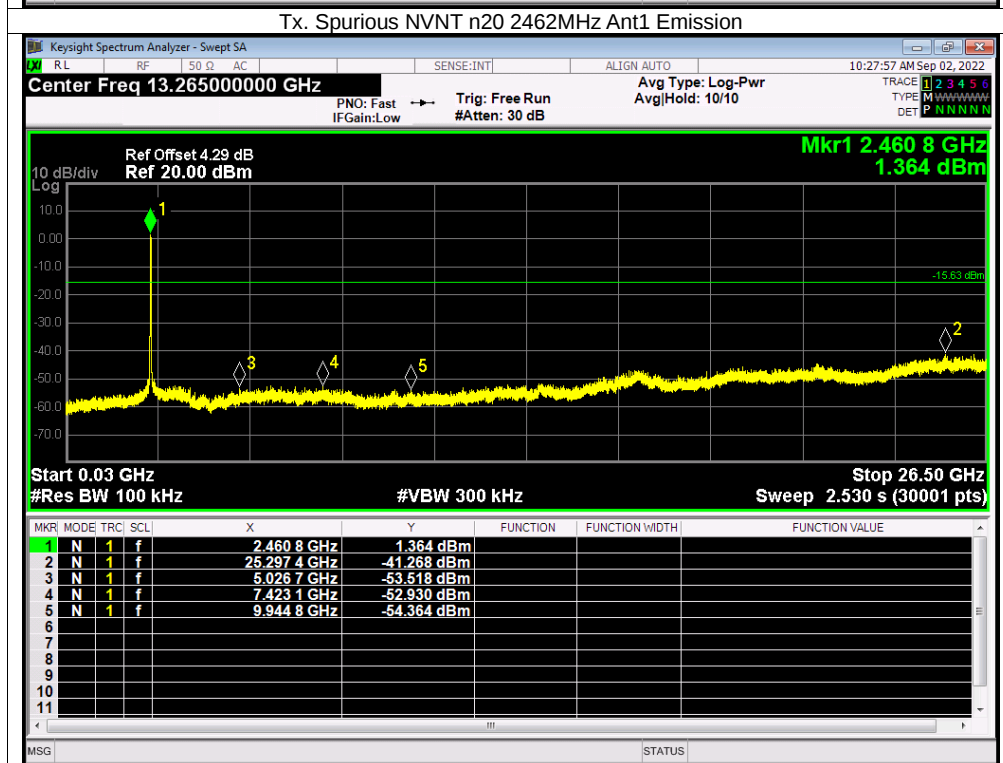
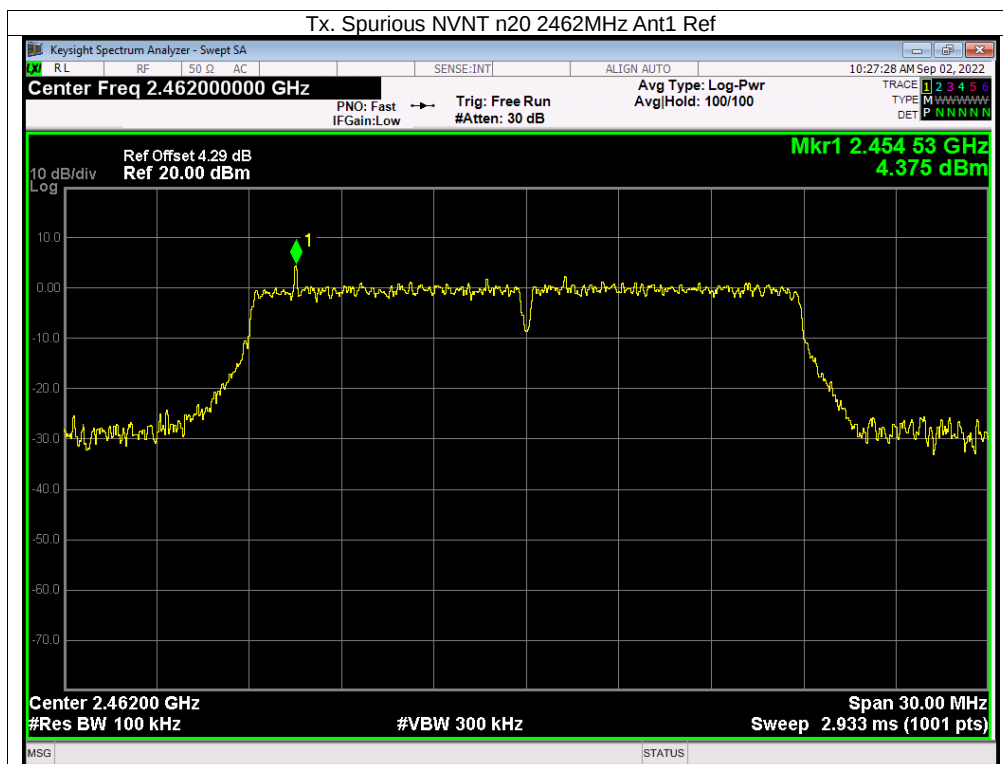


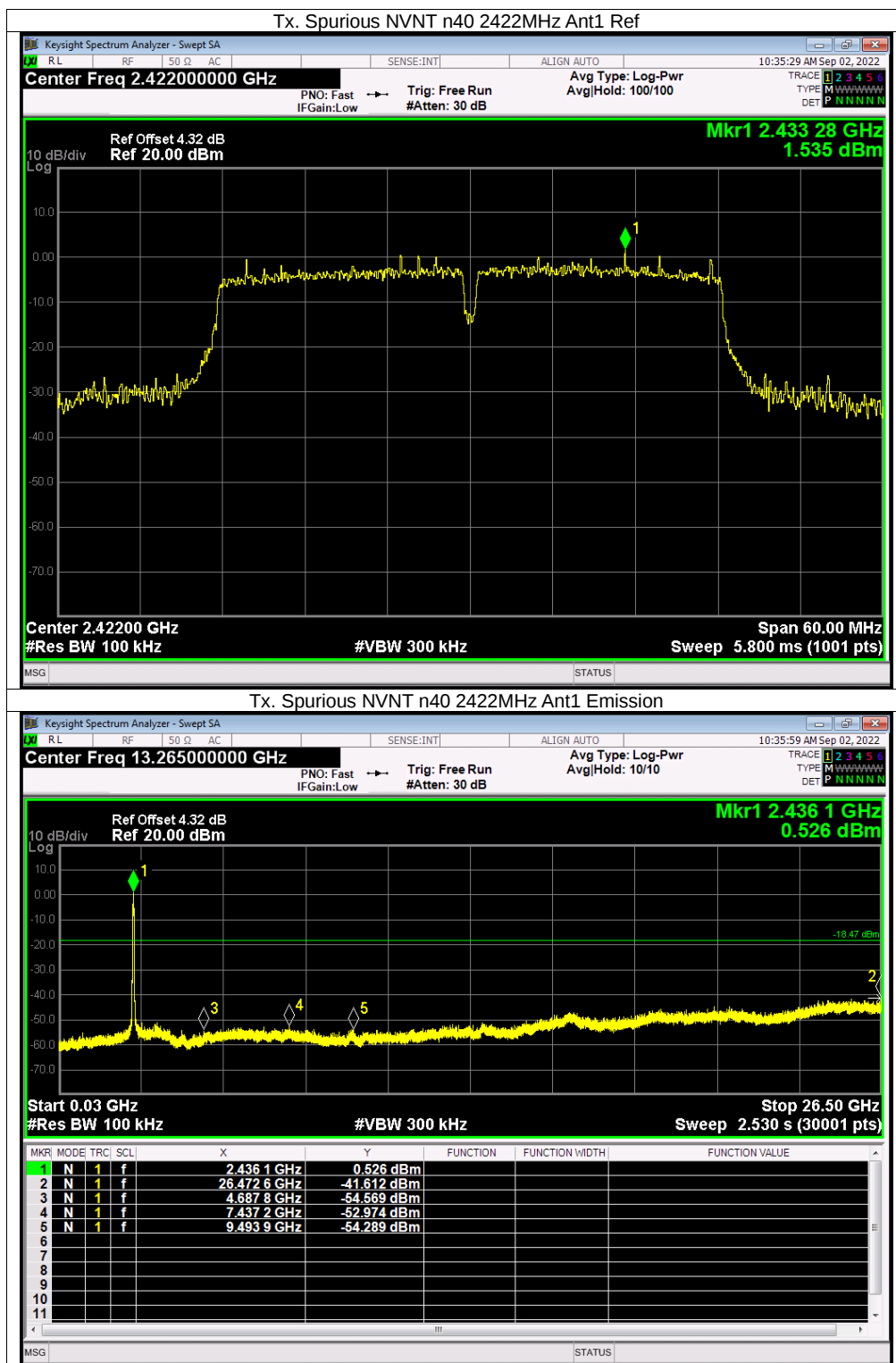


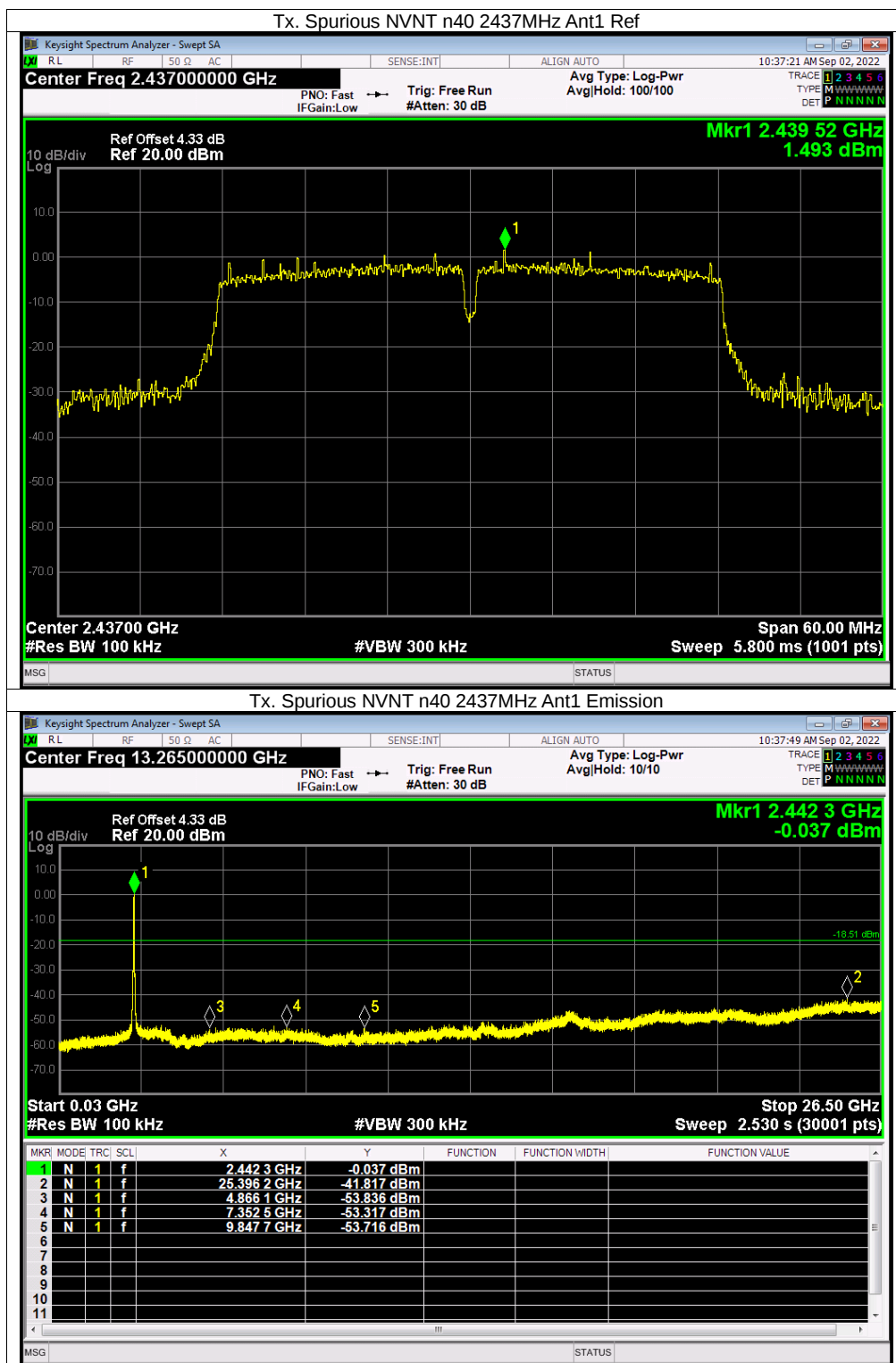


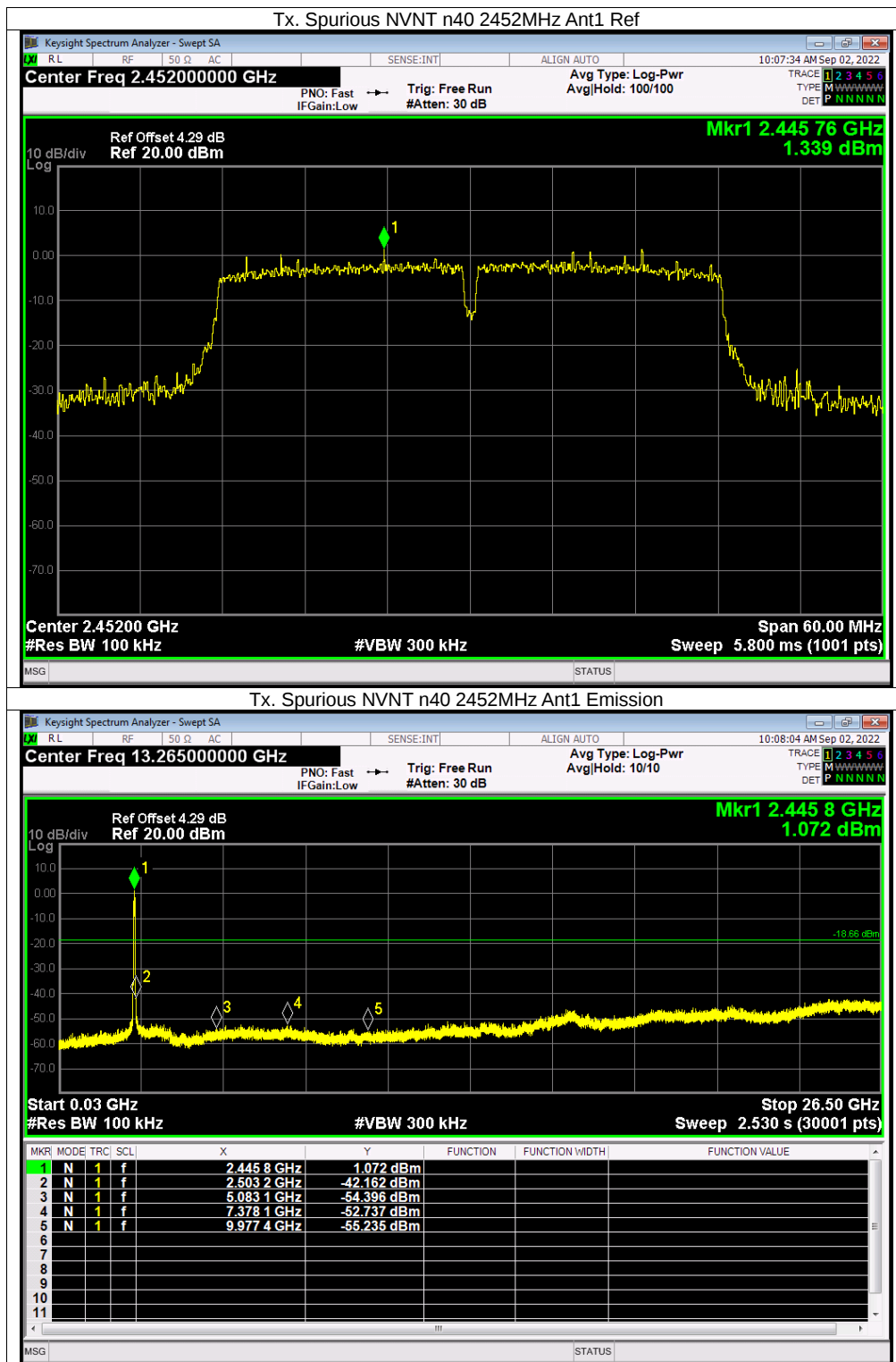






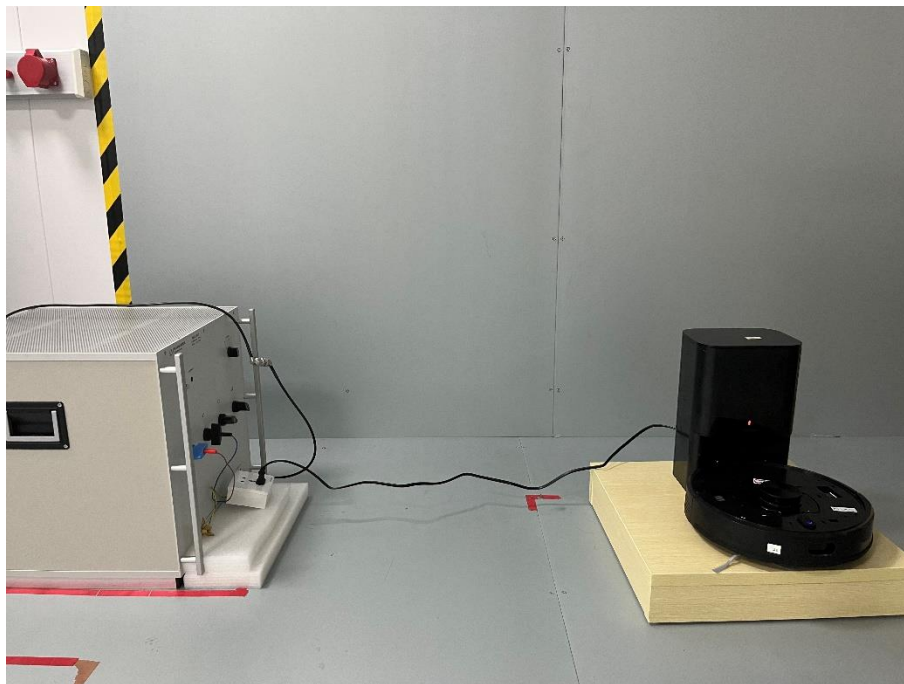






APPENDIX II:PHOTOS OF TEST SETUP

Conducted Emission Test Setup Photo

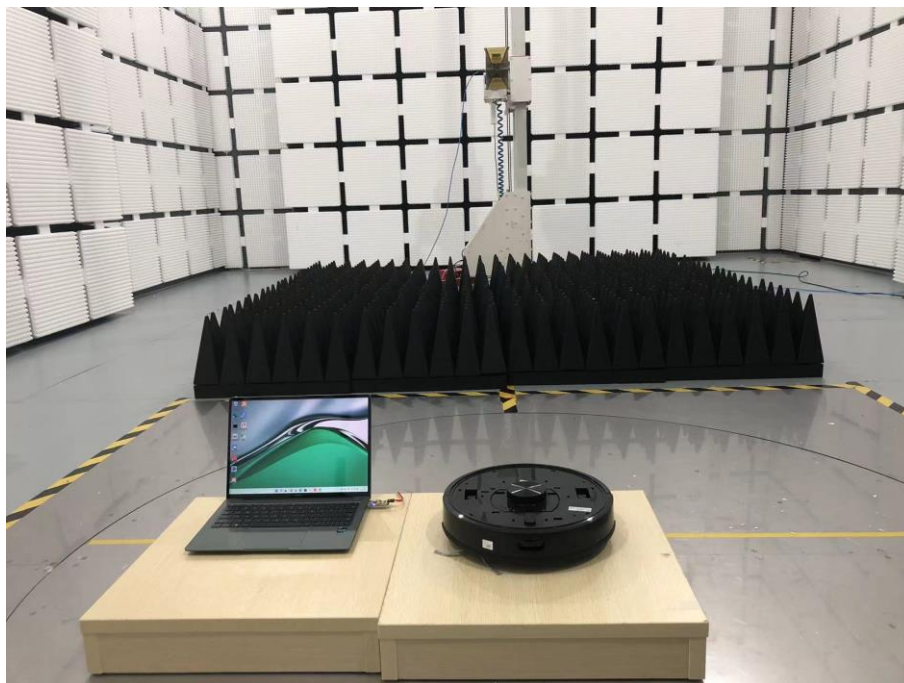


Radiated Emission Test Setup Photo - Below 1GHz





Radiated Emission Test Setup Photo - Above 1GHz



*****END OF THE REPORT*****