

# **RADIO TEST REPORT**

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## Report No.: STS2306300W02

Issued for

Hot Pepper Mobile Inc.

350 10th Ave 1000 Ste San Diego California United States 92101-8705

Product Name:	Tablet
Brand:	Hot Pepper
Model Number:	AP32
Series Model(s):	N/A
FCC ID:	2A33N-AP32
Test Standard:	FCC Part 15.247

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APPROV

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#### **TEST RESULT CERTIFICATION**

Applicant's Name:	Hot Pepper Mobile Inc.
Address	350 10th Ave 1000 Ste San Diego California United States 92101-8705
Manufacturer's Name:	Shenzhen Mediafly Technology CO.,LTD
Address	1/F, Building A, WeiXing Science And Technology Park, No. 268- 3, BaoShi East Rd, ShuiTian Community, ShiYan Street, BaoAn District, ShenZhen, China
Product Description	
Product Name:	Tablet
Brand:	Hot Pepper
Model Number:	AP32
Series Model(s):	N/A
Test Standards	FCC Part15.247

Test Procedure .....: ANSI C63.10-2013 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.

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Date of Test.....

Date of receipt of test item.....: 02 June 2023

Date (s) of performance of tests .: 02 June 2023 ~ 10 June 2023

Date of Issue ..... 10 June 2023

Test Result ..... Pass

Testing Engineer

(Chris Chen)

Technical Manager

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(Sean she)

Authorized Signatory :

(Bovey Yang)

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## **Revision History**

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	10 June 2023	STS2306300W02	ALL	Initial Issue



Shenzhen STS Test Services Co., Ltd.



## 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 C63.10-2013.



#### 1.1 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD Add. : A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ, Fuyong 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	±1.197dB
2	Unwanted Emissions, conducted	±2.896dB
3	All emissions, radiated 9K-30MHz	±3.84dB
4	All emissions, radiated 30M-1GHz	±3.94dB
5	All emissions, radiated 1G-6GHz	±4.59dB
6	All emissions, radiated>6G	±5.22dB
7	Conducted Emission (9KHz-150KHz)	±2.14dB
8	Conducted Emission (150KHz-30MHz)	±2.54dB



## 2. GENERAL INFORMATION

## 2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Tablet
Brand	Hot Pepper
Model Number	AP32
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), π/4-DQPSK(2Mbps), 8DPSK(3Mbps)
Bluetooth Configuration	BR+EDR
Antenna Type	PIFA
Antenna Gain	2.16 dBi
Adapter	Input: 100-240Vac 50/60Hz 0.4A max Output: DC 5V, 2A
Battery	Rated Voltage: 3.8V Charge Limit Voltage: 5.0V Capacity: 5000mAh
Hardware version number	M863YAR310-VB44CF
Software version number	HPP-AP32-A-V1_20230525
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 information refer the manufacturer provide report, applicable only to the tested sample identified in the report. Due to the incorrect antenna information, a series of problems such as the accuracy of the test results will be borne by the customer.





3.

	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 generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible 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.

(3) The battery is fully-charged during the radiated and RF conducted test.

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.



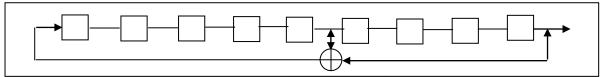
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The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hop sets to avoid hopping 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.

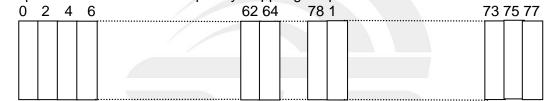
(2)The Pseudorandom sequence may be generated in a nin-stage shift register whose 5<sup>th</sup> and 9<sup>th</sup> stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first one of 9 consecutive ones: i.e. the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

Numver of shift register stages:9

Length of pseudo-random sequence:2<sup>9</sup>-1=511bits Longest sequence of zeros: 8(non-inverted signal)



Liner Feedback Shift Register for Generator of the PRBS sequence An example of Pseudorandom Frequency Hoppong Sequence as follow:



Each frequency used equally on the 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.



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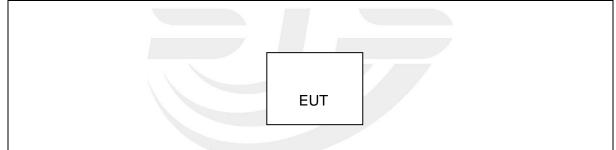
## 2.4 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

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.

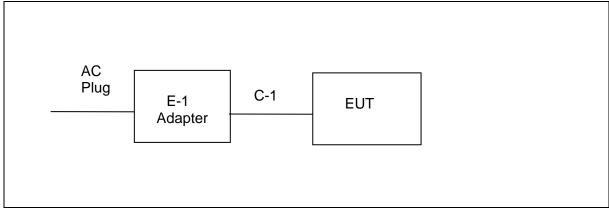
	Test program: Bluetooth		
(Control software) Parameters(1/2/3Mbps)	Packet type: DH1:4:27 2DH1:20:54 3DH1:24:83	Packet type: DH3:11:183 2DH3:26:367 3DH3:27:552	Packet type: DH5:15:339 2DH5:30:679 3DH5:31:1021

RF Function	Туре	Mode Or Modulation type	ANT Gain(dBi)	Power Class	Software For Testing
		GFSK	2.16	Default	
BT	BR+EDR	π/4-DQPSK	2.16	Default	Engineering mode
		8DPSK	2.16	Default	

## 2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED Radiated Spurious Emission Test



## **Conducted Emission Test**



Shenzhen STS Test Services Co., Ltd.



#### 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.	Length	Note
E-1	Adapter	Fxin	WRP2E-050200U	N/A	N/A
C-1	USB Cable	N/A	N/A	70cm	YES

#### Support units

Item	Equipment	Mfr/Brand	Model/Type No.	Length	Note
N/A	N/A	N/A	N/A	N/A	N/A

Note:

- (1) For detachable type I/O cable should be specified the length in cm in <sup>[]</sup> Length <sup>\_</sup> column.
- (2) "YES" is means "with core"; "NO" is means "without core".



## 2.7 EQUIPMENTS LIST

		RF Radiation Tes	t Equipment		
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
Temperature & Humidity	SW-108	SuWei	N/A	2023.03.03	2024.03.02
Pre-Amplifier (0.1M-3GHz)	EM	EM330	060665	2022.07.04	2023.07.03
Pre-Amplifier (1G-18GHz)	SKET	LNPA-01018G-45	SK2018080901	2022.09.29	2023.09.28
18GHz-40GHz Filter	XINGBO	XBLBQ-GTA44	22062003-1	2023.03.06	2024.03.05
Pre-mplifier (18G-40G)	SKET	LNPA_1840-50	SK2018101801	2023.03.06	2024.03.05
Positioning Controller	MF	MF-7802	MF-780208587	N/A	N/A
Signal Analyzer	R&S	FSV 40-N	101823	2022.09.29	2023.09.28
Switch Control Box	N/A	N/A	N/A	N/A	N/A
Filter Box	BALUN Technology	SU319E	BL-SZ1530051	N/A	N/A
Active loop Antenna	ZHINAN	ZN30900C	16035	2023.02.28	2024.02.27
Bilog Antenna	TESEQ	CBL6111D	34678	2022.09.30	2024.09.29
Horn Antenna	SCHWARZBE CK	BBHA 9120D	02014	2021.10.11	2023.10.10
Horn Antenna	A-INFOMW	LB-180400-KF	J211020657	2021.09.28	2023.09.27
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	Zhaoxin	RXN 605D	20R605D11010081	N/A	N/A
Test SW	EZ-EMC		Ver.STSLAB-03A	1 RE	
	·	Conduction Test	equipment		
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2022.09.29	2023.09.28
LISN	R&S	ENV216	101242	2022.09.28	2023.09.27
LISN	EMCO	3810/2NM	23625	2022.09.28	2023.09.27
Temperature & Humidity	HH660	Mieo	N/A	2022.09.30	2023.09.29
Test SW	EZ-EMC		Ver.STSLAB-03A	A1 CE	
		RF Connect	ed Test		
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Signal Analyzer	Agilent	N9020A	MY51510623	2023.03.01	2024.02.28
Switch control box	MW	MW100-RFCB	N/A	N/A	N/A
Temperature & Humidity	HH660	Mieo	N/A	2022.09.30	2023.09.29
Test SW	MW		MTS 8310_2.0	.0.0	

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#### 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.

	Conducted Emissionlimit (dBuV)		
FREQUENCY (MHz)	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

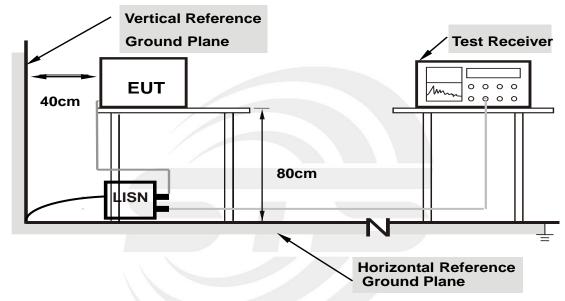
Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz





## 3.1.2 TEST PROCEDURE

- a. 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.
- b. 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.
- c. 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.
- d. LISN is at least 80 cm from the nearest part of EUT chassis.
- e. 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:	25.6(C)	Relative Humidity:	45%RH
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 13		

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1500	39.34	10.33	49.67	66.00	-16.33	QP
2	0.1500	21.63	10.33	31.96	56.00	-24.04	AVG
3	0.2420	38.15	10.50	48.65	62.03	-13.38	QP
4	0.2420	22.07	10.50	32.57	52.03	-19.46	AVG
5	0.5900	36.53	10.45	46.98	56.00	-9.02	QP
6	0.5900	24.93	10.45	35.38	46.00	-10.62	AVG
7	1.2420	33.89	10.30	44.19	56.00	-11.81	QP
8	1.2420	19.57	10.30	29.87	46.00	-16.13	AVG
9	3.0220	26.61	10.35	36.96	56.00	-19.04	QP
10	3.0220	13.23	10.35	23.58	46.00	-22.42	AVG
11	15.0980	27.53	11.75	39.28	60.00	-20.72	QP
12	15.0980	13.75	11.75	25.50	50.00	-24.50	AVG

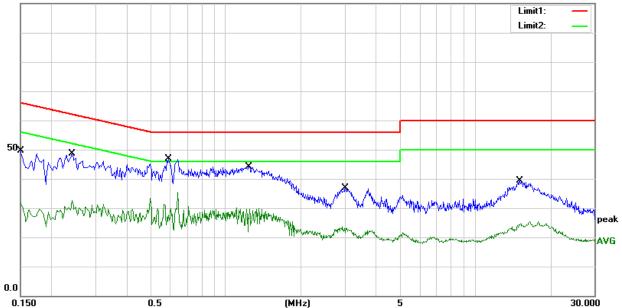
#### Remark:

1. All readings are Quasi-Peak and Average values

2. Margin = Result (Result = Reading + Factor )-Limit

3. Factor=LISN factor+Cable loss+Limiter (10dB)





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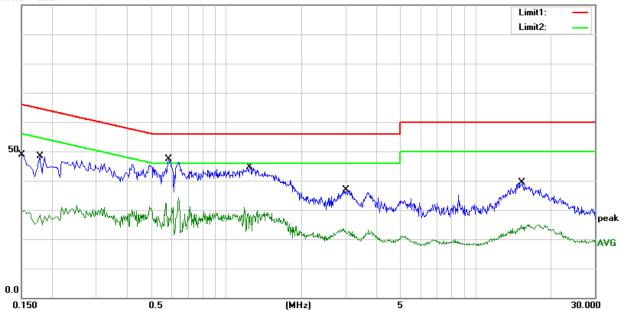
Temperature:	25.6(C)	Relative Humidity:	45%RH
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 13		

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1500	38.57	10.33	48.90	66.00	-17.10	QP
2	0.1500	19.48	10.33	29.81	56.00	-26.19	AVG
3	0.1780	38.06	10.31	48.37	64.58	-16.21	QP
4	0.1780	18.13	10.31	28.44	54.58	-26.14	AVG
5	0.5860	36.83	10.46	47.29	56.00	-8.71	QP
6	0.5860	23.59	10.46	34.05	46.00	-11.95	AVG
7	1.2380	34.22	10.30	44.52	56.00	-11.48	QP
8	1.2380	20.69	10.30	30.99	46.00	-15.01	AVG
9	3.0140	26.47	10.35	36.82	56.00	-19.18	QP
10	3.0140	13.24	10.35	23.59	46.00	-22.41	AVG
11	15.3780	27.68	11.81	39.49	60.00	-20.51	QP
12	15.3780	13.15	11.81	24.96	50.00	-25.04	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)
- 100.0 dBu¥





## 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 C63.10-2013 below has to be followed.

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

Frequencies	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(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 (1GHz-25 GHz)

FREQUENCY (MHz)	(dBuV/m) (at 3M)		
PEAK AVE	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			

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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)
	200Hz (From 9kHz to 0.15MHz)/
RB / VB (emission in restricted	9KHz (From 0.15MHz to 30MHz);
band)	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	1 MHz / 3 MHz(Peak)	
band)	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)	

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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

- a. The measuring distance at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- b. 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.
- c. 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.
- d. 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.
- e. 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.
- f. 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.

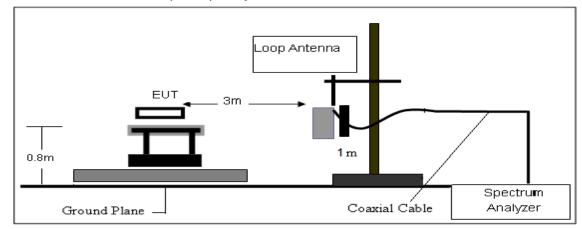
# 3.2.3 DEVIATION FROM TEST STANDARD

No deviation.

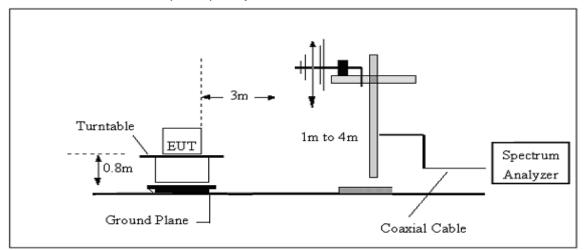


## 3.2.4 TESTSETUP

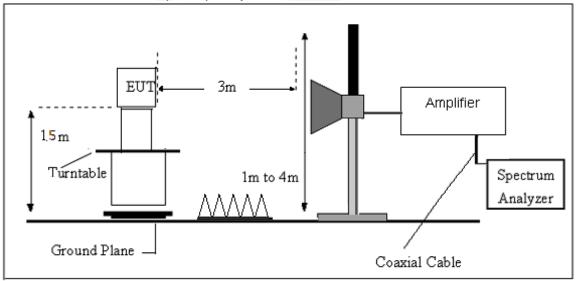
(A) Radiated Emission Test-Up Frequency Below 30MHz

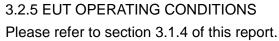


#### (B) Radiated Emission Test-Up Frequency 30MHz~1GHz



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







## 3.2.6 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

Factor=AF+CL-AG



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## 3.2.7 TEST RESULTS

#### (9KHz-30MHz)

Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	DC 5V	Test Mode:	TX Mode

Freq.	Reading	Limit	Margin	State	Test Result
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F	iest Result
					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 (specific distance/test distance)(dB); Limit line = specific limits (dBuv) + distance extrapolation factor.



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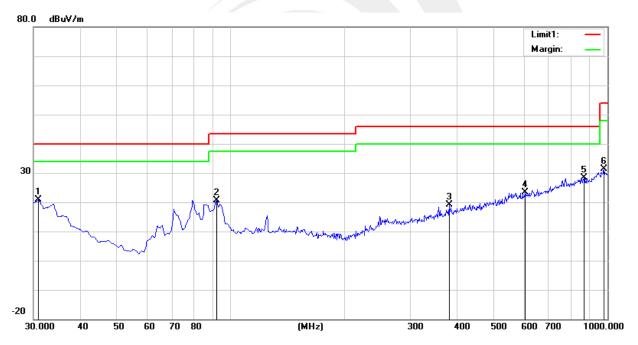
(30MHz-1000MHz)

Temperature:	23.1(C)	Relative Humidity:	60%RH			
Test Voltage:	DC 5V	Phase:	Horizontal			
Test Mode:	Mode 1/2/3/4/5/6/7/8/9(Mode 2 worst mode)					

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	30.9700	34.15	-13.35	20.80	40.00	-19.20	peak
2	92.0800	41.90	-21.20	20.70	43.50	-22.80	peak
3	380.1700	31.49	-12.26	19.23	46.00	-26.77	peak
4	607.1500	29.06	-5.60	23.46	46.00	-22.54	peak
5	868.0800	28.90	-0.51	28.39	46.00	-17.61	peak
6	982.5400	28.89	2.52	31.41	54.00	-22.59	peak

Remark:

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





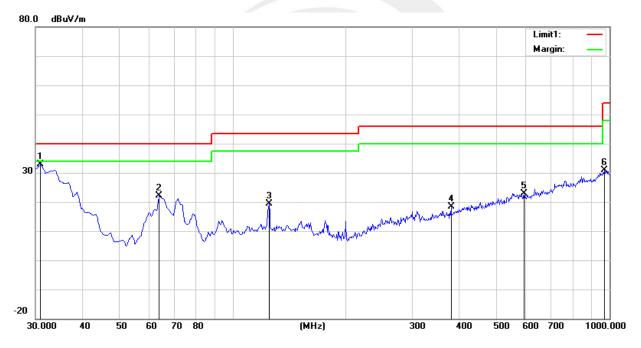
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Temperature:	23.1(C)	Relative Humidity:	60%RH		
Test Voltage:	DC 5V	Phase:	Vertical		
Test Mode:	Mode 1/2/3/4/5/6/7/8/9(Mode 2 worst mode)				

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	30.9700	46.24	-13.35	32.89	40.00	-7.11	peak
2	63.9500	47.69	-25.64	22.05	40.00	-17.95	peak
3	125.0600	37.62	-18.22	19.40	43.50	-24.10	peak
4	380.1700	30.63	-12.26	18.37	46.00	-27.63	peak
5	593.5700	28.78	-5.83	22.95	46.00	-23.05	peak
6	968.9600	28.88	1.97	30.85	54.00	-23.15	peak

Remark:

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



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## (1GHz~25GHz) Spurious emission Requirements

Frequency	Meter Reading	Amplifier	Loss	Antenna Factor	Corrected Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	(dB)	(dB/m)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	
				Low Ch	nannel (GFSK/2	2402 MHz)				
3264.84	61.46	44.70	6.70	28.20	-9.80	51.66	74.00	-22.34	PK	Vertical
3264.84	51.01	44.70	6.70	28.20	-9.80	41.21	54.00	-12.79	AV	Vertical
3264.77	61.11	44.70	6.70	28.20	-9.80	51.31	74.00	-22.69	PK	Horizontal
3264.77	50.82	44.70	6.70	28.20	-9.80	41.02	54.00	-12.98	AV	Horizontal
4804.51	59.23	44.20	9.04	31.60	-3.56	55.67	74.00	-18.33	PK	Vertical
4804.51	50.13	44.20	9.04	31.60	-3.56	46.57	54.00	-7.43	AV	Vertical
4804.49	58.71	44.20	9.04	31.60	-3.56	55.15	74.00	-18.85	PK	Horizontal
4804.49	50.01	44.20	9.04	31.60	-3.56	46.45	54.00	-7.55	AV	Horizontal
5359.71	48.77	44.20	9.86	32.00	-2.34	46.42	74.00	-27.58	PK	Vertical
5359.71	39.96	44.20	9.86	32.00	-2.34	37.62	54.00	-16.38	AV	Vertical
5359.79	47.17	44.20	9.86	32.00	-2.34	44.83	74.00	-29.17	PK	Horizontal
5359.79	38.83	44.20	9.86	32.00	-2.34	36.48	54.00	-17.52	AV	Horizontal
7205.95	53.96	43.50	11.40	35.50	3.40	57.36	74.00	-16.64	PK	Vertical
7205.95	44.44	43.50	11.40	35.50	3.40	47.84	54.00	-6.16	AV	Vertical
7205.86	54.65	43.50	11.40	35.50	3.40	58.05	74.00	-15.95	PK	Horizontal
7205.86	43.57	43.50	11.40	35.50	3.40	46.97	54.00	-7.03	AV	Horizontal
	•			Middle C	hannel (GFSK	/2441 MHz)		•	•	
3264.67	61.01	44.70	6.70	28.20	-9.80	51.21	74.00	-22.79	PK	Vertical
3264.67	49.84	44.70	6.70	28.20	-9.80	40.04	54.00	-13.96	AV	Vertical
3264.75	61.35	44.70	6.70	28.20	-9.80	51.55	74.00	-22.45	PK	Horizontal
3264.75	50.74	44.70	6.70	28.20	-9.80	40.94	54.00	-13.06	AV	Horizontal
4882.45	58.90	44.20	9.04	31.60	-3.56	55.34	74.00	-18.66	PK	Vertical
4882.45	49.46	44.20	9.04	31.60	-3.56	45.90	54.00	-8.10	AV	Vertical
4882.55	59.04	44.20	9.04	31.60	-3.56	55.48	74.00	-18.52	PK	Horizontal
4882.55	50.19	44.20	9.04	31.60	-3.56	46.63	54.00	-7.37	AV	Horizontal
5359.74	49.02	44.20	9.86	32.00	-2.34	46.68	74.00	-27.32	PK	Vertical
5359.74	39.96	44.20	9.86	32.00	-2.34	37.62	54.00	-16.38	AV	Vertical
5359.86	47.48	44.20	9.86	32.00	-2.34	45.13	74.00	-28.87	PK	Horizontal
5359.86	39.08	44.20	9.86	32.00	-2.34	36.74	54.00	-17.26	AV	Horizontal
7323.72	54.93	43.50	11.40	35.50	3.40	58.33	74.00	-15.67	PK	Vertical
7323.72	44.40	43.50	11.40	35.50	3.40	47.80	54.00	-6.20	AV	Vertical
7323.89	53.99	43.50	11.40	35.50	3.40	57.39	74.00	-16.61	PK	Horizontal
7323.89	44.11	43.50	11.40	35.50	3.40	47.51	54.00	-6.49	AV	Horizontal



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				High Char	nnel (GFSK/	2480 MHz)				
3264.78	61.53	44.70	6.70	28.20	-9.80	51.73	74.00	-22.27	PK	Vertical
3264.78	51.58	44.70	6.70	28.20	-9.80	41.78	54.00	-12.22	AV	Vertical
3264.71	60.92	44.70	6.70	28.20	-9.80	51.12	74.00	-22.88	PK	Horizontal
3264.71	50.75	44.70	6.70	28.20	-9.80	40.95	54.00	-13.05	AV	Horizontal
4960.53	59.23	44.20	9.04	31.60	-3.56	55.67	74.00	-18.33	PK	Vertical
4960.53	50.31	44.20	9.04	31.60	-3.56	46.75	54.00	-7.25	AV	Vertical
4960.57	58.48	44.20	9.04	31.60	-3.56	54.92	74.00	-19.08	PK	Horizontal
4960.57	50.57	44.20	9.04	31.60	-3.56	47.01	54.00	-6.99	AV	Horizontal
5359.71	48.97	44.20	9.86	32.00	-2.34	46.62	74.00	-27.38	PK	Vertical
5359.71	38.97	44.20	9.86	32.00	-2.34	36.62	54.00	-17.38	AV	Vertical
5359.85	47.82	44.20	9.86	32.00	-2.34	45.47	74.00	-28.53	PK	Horizontal
5359.85	39.10	44.20	9.86	32.00	-2.34	36.76	54.00	-17.24	AV	Horizontal
7439.90	54.13	43.50	11.40	35.50	3.40	57.53	74.00	-16.47	PK	Vertical
7439.90	44.26	43.50	11.40	35.50	3.40	47.66	54.00	-6.34	AV	Vertical
7439.96	53.55	43.50	11.40	35.50	3.40	56.95	74.00	-17.05	PK	Horizontal
7439.96	43.50	43.50	11.40	35.50	3.40	46.90	54.00	-7.10	AV	Horizontal

Note:

- 1) Scan with GFSK,  $\pi$ /4-DQPSK, 8DPSK, the worst case is GFSK Mode.
- 2) Factor = Antenna Factor + Cable Loss Pre-amplifier.

Emission Level = Reading + Factor

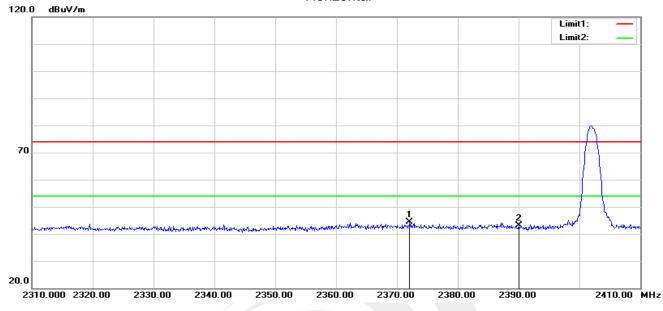
3) The frequency emission of peak points that did not show above the forms are at least 20dB below the limit, the frequency emission is mainly from the environment noise.



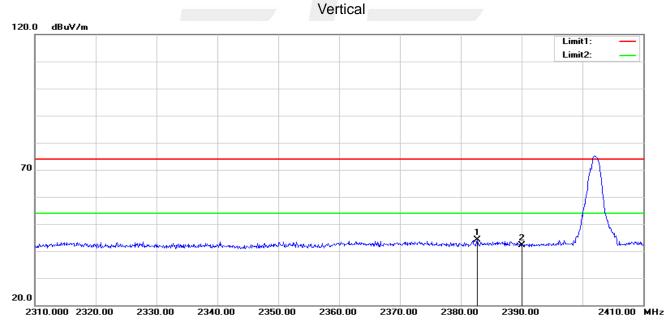


#### **Restricted band Requirements**

#### **GFSK-Low** Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2372.100	40.37	4.08	44.45	74.00	-29.55	peak
2	2390.000	38.79	4.34	43.13	74.00	-30.87	peak



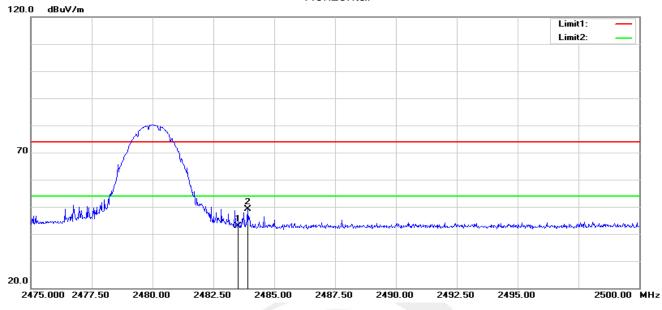
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2382.700	39.91	4.23	44.14	74.00	-29.86	peak
2	2390.000	37.90	4.34	42.24	74.00	-31.76	peak



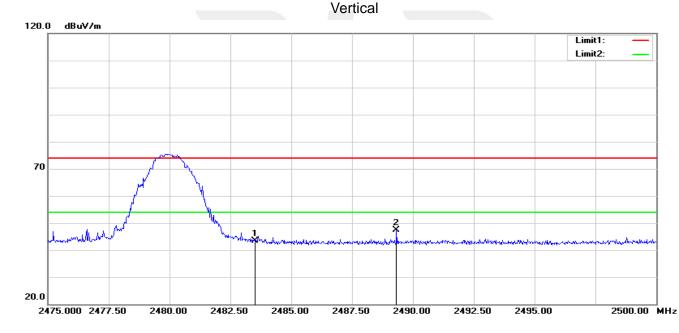
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#### **GFSK-High** Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	38.39	4.60	42.99	74.00	-31.01	peak
2	2483.900	44.62	4.61	49.23	74.00	-24.77	peak



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	38.85	4.60	43.45	74.00	-30.55	peak
2	2489.325	42.71	4.62	47.33	74.00	-26.67	peak

Note: GFSK,  $\pi$ /4-DQPSK, 8DPSK of the nohopping and hopping mode all have been test, the worst case is GFSK of the nohopping mode, this report only show the worst case.

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## 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
Stort/Stop Eroguopou	Lower Band Edge: 2300 – 2407 MHz
Start/Stop Frequency	Upper Band Edge: 2475 – 2500 MHz
RB / VB (emission in restricted band)	100 KHz/300 KHz
Trace-Mode:	Max hold

#### For Hopping Band edge

Spectrum Parameter	Setting
Detector	Peak
Stort/Stop Eroguopou	Lower Band Edge: 2300– 2403 MHz
Start/Stop Frequency	Upper Band Edge: 2479 – 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. 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	FrequencyRange (MHz)	Result		
15.247 (a)(1)(iii)	Number of Hopping Channel	≥15	2400-2483.5	PASS		

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

#### 5.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting: RBW= 300KHz, 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	FrequencyRange (MHz)	Result	
15.247 (a)(1)(iii)	Average Time of Occupancy	0.4sec	2400-2483.5	PASS	

#### 6.2 TEST PROCEDURE

- a. The transmitter output (antenna port) was connected to the spectrum analyzer.
- b. Set RBW =1MHz/VBW =3MHz.
- c. Use a video trigger with the trigger level set to enable triggering only on full pulses.
- d. Sweep Time is more than once pulse time.
- Set the center frequency on any frequency would be measure and set the frequency span to e. zero span.
- f. Measure the maximum time duration of one single pulse.
- g. Set the EUT for DH5, DH3 and DH1 packet transmitting.
- $\tilde{h}$ . Measure the maximum time duration of one single pulse.
- i. DH5 Packet permit maximum 1600/ 79 / 6 = 3.37 hops per second in each channel (5 time slots RX, 1 time slot TX). So the number of pulses in the observation period of 31.6 seconds is  $3.37 \times 31.6 = 106.6$ .
- j. DH3 Packet permit maximum 1600 / 79 / 4 = 5.06 hops per second in each channel (3 time slots RX, 1 time slot TX). So the number of pulses in the observation period of 31.6 seconds is  $5.06 \times 31.6 = 160$ .
- k. DH1 Packet permit maximum 1600 / 79 / 2 = 10.12 hops per second in each channel (1 time slot RX, 1 time slot TX). So the number of pulses in the observation period of 31.6 seconds is 10.12 x 31.6 = 320.

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.

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## 7. HOPPING CHANNEL SEPARATION MEASUREMEN

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) / 30 kHz (Channel Separation)	
VB	100 kHz (20dB Bandwidth) / 100 kHz (Channel Separation)	
Detector	Peak	
Trace	Max Hold	
Sweep Time	Auto	

#### 7.2 TEST PROCEDURE

- a. The transmitter output (antenna port) was connected to the spectrum analyser in peak hold mode.
- b. The resolution bandwidth of 30 kHz and the video bandwidth of 100 kHz were utilised for 20 dB bandwidth measurement.
- c. The resolution bandwidth of 30 kHz and the video bandwidth of 100 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) / 30 kHz (Channel Separation)	
VB	100 kHz (20dB Bandwidth) / 100 kHz (Channel Separation)	
Detector	Peak	
Trace	Max Hold	
Sweep Time	Auto	

#### 8.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.

b. Spectrum Setting: RBW= 30KHz, VBW=100KHz, 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			
		1 W or 0.125W					
15.247 (a)(1)&(b)(1)	Output Power	if channel separation > 2/3 bandwidthprovided thesystems operatewith an output power no greater than125 mW(20.97dBm)	2400-2483.5	PASS			

#### 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  $\geq$  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.

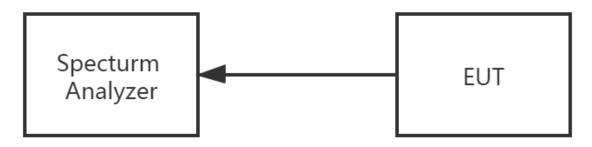
e) A plot of the test results and setup description shall be included in the test report.

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.

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 DSS bandwidth and shall use a fast-responding diode detector.

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.

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### 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 PIFA Antenna. It comply with the standard requirement.



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## **APPENDIX 1-TEST DATA**

## 1. Dwell Time

Condition	Mode	Frequency	Pulse	Total Dwell	Burst	Period	Limit	Verdict
		(MHz)	Time (ms)	Time (ms)	Count	Time (ms)	(ms)	
NVNT	1-DH1	2441	0.378	116.424	308	31600	<=400	Pass
NVNT	1-DH3	2441	1.634	259.806	159	31600	<=400	Pass
NVNT	1-DH5	2441	2.882	314.138	109	31600	<=400	Pass
NVNT	2-DH1	2441	0.385	120.505	313	31600	<=400	Pass
NVNT	2-DH3	2441	1.637	258.646	158	31600	<=400	Pass
NVNT	2-DH5	2441	2.885	323.12	112	31600	<=400	Pass
NVNT	3-DH1	2441	0.386	122.362	317	31600	<=400	Pass
NVNT	3-DH3	2441	1.636	260.124	159	31600	<=400	Pass
NVNT	3-DH5	2441	2.887	308.909	107	31600	<=400	Pass



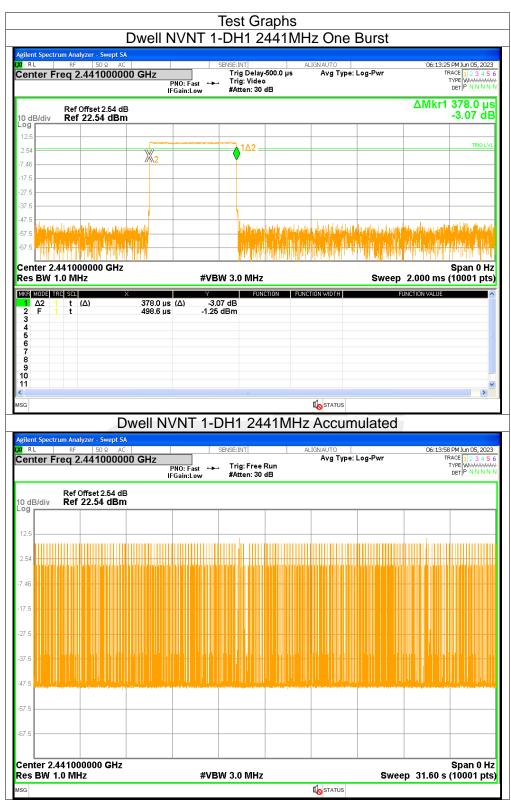
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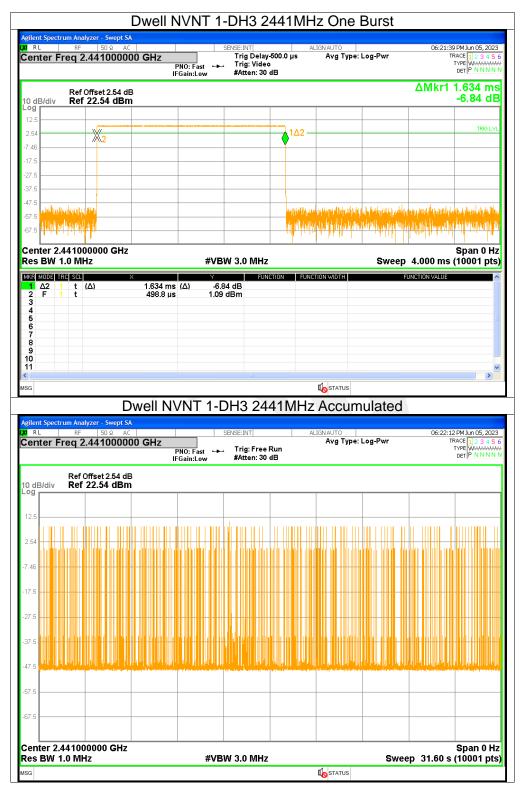


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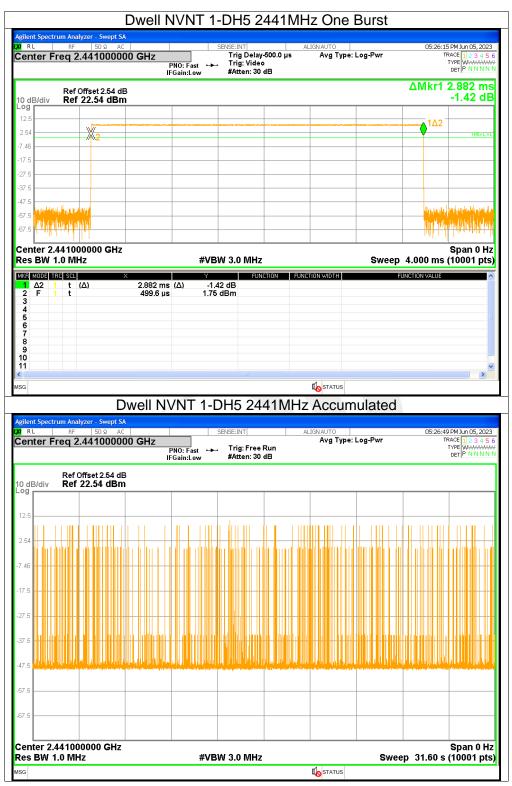
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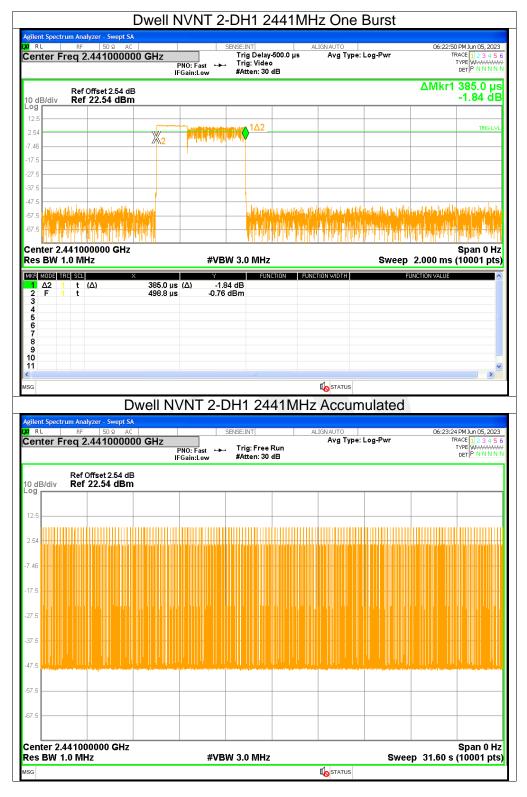
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				IVNT 2	-DH3 2	441MH	lz One B	urst		
XI RL	RF	lyzer - Swept S			SENSE:INT Trig Delay		LIGNAUTO Avg Type: Lo	a Duar	06:24:30	D PM Jun 05, 2023 RACE 1 2 3 4 5
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37.5										
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	V 1.0 MI			#VB	W 3.0 MHz			Sweep	4.000 ms	
ikr mode 1 Δ2	TRC SCL	(Δ)	× 1.637 ms	γ (Δ) -2.4	49 dB	ICTION FUNC	TION WIDTH	FL	INCTION VALUE	-
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4 5										
67										
8 9 10										
1										>
SG							<b>STATUS</b>			
		C	Well N	/NT 2-[	DH3 24	41MHz	Accumu	lated		
		lyzer - Swept S								
RL Center	Freq 2	50 Ω A0 .4410000	00 GHz	PNO: Fast 🔸	SENSE:INT Trig: Free #Atten: 30	Run	LIGNAUTO Avg Type: Lo	g-Pwr	U6:25:U. Ti	3 PM Jun 05, 202 RACE 1 2 3 4 5 TYPE WWWWW DET P N N N N
0 dB/div		Offset 2.54 dl <b>22.54 dB</b> n								
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57.5										
67.5										
		0000 GHz	1	1		1				Span 0 H
es BW	/ 1.0 MH	lz		#VB	W 3.0 MHz			Swee	p 31.60 s	(10001 pts
SG							<b>STATUS</b>			



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RL		yzer - Swept S			-DH5 24					
enter F	<sub>R</sub> ⊧ •req 2.	50 Ω AC .4410000	00 GHz	PNO: Fast 🔸	SENSE:INT Trig Delay-50 Trig: Video #Atten: 30 dE	00.0 µs	IGNAUTO Avg Type:	Log-Pwr	05:51	:28 PM Jun 05, 202 TRACE 1 2 3 4 5 TYPE WWWWW DET P N N N N
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57.5 57.5	yah di	L .								فالملاز واستربا الاوار
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es BW				#VB	W 3.0 MHz			Sweep	4.000 m	s (10001 pt
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ilent Spect	trum Anal			/NT 2-[	DH5 244		-	ulated		
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RL	RF	yzer - Swept S	00 GHz	PNO: Fast ↔	SENSE:INT	1MHz	Accum		05:52	TRACE 1 2 3 4 5
RL	<sub>R</sub> ⊧ req 2.	yzer - Swept SA 50 Ω AC 4410000	A 00 GHz II		SENSE:INT	1MHz	Accum		05:52	TRACE 1 2 3 4 5
enter F	RF Freq 2. Ref 0	<mark>yzer - Swept S</mark> 50 Ω AC	A 00 GHz IF	PNO: Fast ↔	SENSE:INT	1MHz	Accum		05:52	TRACE 1 2 3 4 5
enter F	RF Freq 2. Ref 0	yzer - Swept S, 50 Ω AC .4410000	A 00 GHz IF	PNO: Fast ↔	SENSE:INT	1MHz	Accum		05:52	TRACE 1 2 3 4 5
enter F	RF Freq 2. Ref 0	yzer - Swept S, 50 Ω AC .4410000	A 00 GHz IF	PNO: Fast ↔	SENSE:INT	1MHz	Accum		05:52	TRACE 1 2 3 4 5
enter F	RF Freq 2. Ref 0	yzer - Swept S, 50 Ω AC .4410000	A 00 GHz IF	PNO: Fast ↔	SENSE:INT	1MHz	Accum		05:52	TRACE 1 2 3 4 5
RL enter F	RF Freq 2. Ref 0	yzer - Swept S, 50 Ω AC .4410000	A 00 GHz IF	PNO: Fast ↔	SENSE:INT	1MHz	Accum		05:52	TRACE 1 2 3 4 5
RL enter F	RF Freq 2. Ref 0	yzer - Swept S, 50 Ω AC .4410000	A 00 GHz IF	PNO: Fast ↔	SENSE:INT	1MHz	Accum		05:52	TRACE 1 2 3 4 5
RL           enter F           0 dB/div           22.5	RF Freq 2. Ref 0	yzer - Swept S, 50 Ω AC .4410000	A 00 GHz IF	PNO: Fast ↔	SENSE:INT	1MHz	Accum		05:52	TRACE 1 2 3 4 5
RL           enter F           ) dB/div           2.5           .54           .64           7.5	RF Freq 2. Ref 0	yzer - Swept S, 50 Ω AC .4410000	A 00 GHz IF	PNO: Fast ↔	SENSE:INT	1MHz	Accum		05:52	TRACE 1 2 3 4 5
RL           enter F           0 dB/div           2.5           2.54           .46           7.5	RF Freq 2. Ref 0	yzer - Swept S, 50 Ω AC .4410000	A 00 GHz IF	PNO: Fast ↔	SENSE:INT	1MHz	Accum		05:52	TRACE 1 2 3 4 5
RL           enter F           0 dB/div           og           2.5           .46           7.5	RF Freq 2. Ref 0	yzer - Swept S, 50 Ω AC .4410000	A 00 GHz IF	PNO: Fast ↔	SENSE:INT	1MHz	Accum		05:52	TRACE 1 2 3 4 5
RL           enter F           0 dB/div           225           2.54           7.5           7.5           7.5           7.5	RF Freq 2. Ref 0	yzer - Swept S, 50 Ω AC .4410000	A 00 GHz IF	PNO: Fast ↔	SENSE:INT	1MHz	Accum		05:52	201 PM Jun 05, 202
RL           enter F           0 dB/div           og           2.5           .46           7.5	RF Freq 2. Ref 0	yzer - Swept S, 50 Ω AC .4410000	A 00 GHz IF	PNO: Fast ↔	SENSE:INT	1MHz	Accum		05:52	TRACE 1 2 3 4 5 TYPE WAAAAAA
RL           enter F           0 dB/div           225           2.54           7.5           7.5           7.5           7.5	RF Freq 2. Ref 0	yzer - Swept S, 50 Ω AC .4410000	A 00 GHz IF	PNO: Fast ↔	SENSE:INT	1MHz	Accum		05:52	TRACE 1 2 3 4 5
RL           enter F           0 dB/div           25           2.54           7.5           7.5           7.5           7.5           7.5           7.5           7.5	RF Freq 2. Ref 0	yzer - Swept S, 50 Ω AC .4410000	A 00 GHz IF	PNO: Fast ↔	SENSE:INT	1MHz	Accum		05:52	TRACE 1 2 3 4 5
RL           enter F           ) dB/div           225           .54           .54           .75           .75           .75           .75           .75           .75	RF Freq 2. Ref 0	yzer - Swept S, 50 Ω AC .4410000	A 00 GHz IF	PNO: Fast ↔	SENSE:INT	1MHz	Accum		05:52	TRACE 1 2 3 4 5
RL           enter F           2.5           .54           .54           .54           .54           .55           .55           .56           .57           .58           .59           .54           .54           .55           .55           .55           .55           .55	Ref C Ref C	yzer - Swept S, 50 Ω AC .4410000	A 00 GHz IF	PNO: Fast ↔	SENSE:INT	1MHz	Accum			TRACE 1 2 3 4 5



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RL RF		00 GHz	NVNT 3	-DH1 24 SENSE:INT Trig Delay-50 Trig: Video	ALIGNAU		06:27:3	5 PM Jun 05, 2023 RACE 1 2 3 4 5 TYPE WWWWWW
Ref	Offset 2.54 dB	IF	Gain:Low	#Atten: 30 dB	1			386.0 µ
10 dB/div Ref	22.54 dBm							-2.48 dE
2.54		2		1Δ2				TRIG LVI
7.46		//\\2						
27.5								
17.5								
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67.5								
enter 2.44100 les BW 1.0 Mi			#VB	W 3.0 MHz		Swe	ep 2.000 ms	Span 0 H (10001 pts
ikr mode trc scl 1 Δ2 1 t	(Δ)	× 386.0 µs	γ (Δ) -2	FUNCTI	ON FUNCTION W	IDTH	FUNCTION VALUE	
2 F 1 t 3 4		499.0 µs	-0.28	dBm				
5								
6 7 8 9								
10 11								>
SG				113	r 🔊	TATUS		
	D	well N	/NT 3-[	DH1 244	1MHz Ac	cumulate	d	
gilent Spectrum Ana RL RF	lyzer - Swept SA 50 Ω AC			SENSE:INT	ALIGNAU	ло /g Type: Log-Pwr		9 PM Jun 05, 202
enter Freq 2			PNO: Fast 🔸 Gain:Low	. Trig: Free Ru #Atten: 30 dB	n	g Type. Log-t wi		TYPE WWWWWW
Ref	.44100000	1 1F 3			n	9 Type. 2091 W		TYPE WWWWWW
Ref ( D dB/div <b>Ref</b>	.44100000	1 1F 3			n	g type. 2091 wi		TYPE WWWWWW
Ref 0 0 dB/div Ref	.44100000	1 1F 3			n			TYPE WWWWWW
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0 dB/div Ref og 12.5	.44100000	1 1F 3			n			TYPE WWWWWW
2.54	.44100000	1 1F 3			n			TYPE WWWWWW
2.54 Ref 0 2.54 Ref 7.5	.44100000	1 1F 3			n			TYPE WWWWWW
2.54 Ref 0 2.54 Ref 7.5	.44100000	1 1F 3			n			TYPE WWWWWW
	.44100000	1 1F 3			n			TYPE WWWWWW
Ref           0 dB/div         Ref           12.5	.44100000	1 1F 3			n			
Ref 0 0 dB/div Ref 2.54 7.46 17.5 37.5	.44100000	1 1F 3			n			TYPE WWWWWW
Ref 0 0 dB/div Ref 2.54 7.46 17.5 37.5 57.5	.44100000	1 1F 3			n			TYPE WWWWWW
2.5 <b>Ref</b> 0 dB/div <b>Ref</b> 2.5 <b></b> 7.5 <b></b> 7.5 <b></b> 7.5 <b></b>	.44100000	1 1F 3			n			TYPE WWWWWW
2.5 <b>Ref</b> og 2.5 <b></b> .46 <b></b> 7.5 <b></b> 7.5 <b></b> 7.5 <b></b>	.4410000	1 1F 3	-Gain:Low		n		weep 31.60 s	



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Dwell NVNT 3-DH3 2441MHz One Burst								
agnent spect unit Analyzer - Swa RL RF 50 Ω Center Freq 2.44100	AC 0000 GHz F	NO: Fast Gain:Low	SENSE:INT Trig Delay- Trig: Video Atten: 34 d	500.0 µs	IGNAUTO Avg Type:	Log-Pwr	Т	1 PM Jun 05, 2023 RACE 1 2 3 4 5 TYPE WWWWWW DET P N N N N
Ref Offset 2.5 I0 dB/div Ref 25.00 c							∆Mkr1	1.636 ms 4.27 dE
-5.00				1∆2 				TRIG-LVI
15.0 25.0 35.0 45.0				de direct (de t		ing a line of the legitive	la dat, specific al la de saturita se se	
				d de la d La de la de	d <mark>h ikaloskali</mark>	lakat, Haka <mark>prila</mark> k	ality to leading	nality scaling
Center 2.441000000 G Res BW 1.0 MHz	iHz	#VB	W 3.0 MHz			•	4.000 ms	Span 0 H: (10001 pts
MKR MODE         FFC         SCL           1         Δ2         1         t         (Δ)           2         F         1         t         -           3         -         1         t         -           4         -         -         -         -           5         -         -         -         -           6         -         -         -         -           7         -         -         -         -           9         -         -         -         -           10         -         -         -         -	1.636 ms 498.4 µs	(Δ) 4.2 -1.77	27 dB	FUNCT	TION WIDTH		JNCTION VALUE	8
3G	Dural N			4 4 6 4L L-				
gilent Spectrum Analyzer - Swe	Dwell N	/NT 3-L	DH3 24	41MHZ	Accum	ulated		
RL RF 50Ω Senter Freq 2.44100	0000 GHz	NO: Fast ↔→→ Gain:Low	SENSE:INT Trig: Free I Atten: 34 d	Run	IGNAUTO Avg Type:	Log-Pwr	Т	4 PM Jun 05, 202 RACE 1 2 3 4 5 TYPE WWWWW DET P N N N N
Ref Offset 2.5 0 dB/div Ref 25.00 d								
og 15.0								
5.00 5.00 15.0								
45.0								
55.0								
65.0								
Center 2.441000000 G les BW 1.0 MHz	Hz	#VB	W 3.0 MHz			Swee	ep 31.60 s	Span 0 H (10001 pt
sg					STATUS			

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Agilent Spectrum Analyzer - Swept 5A Center Freq 2.441000000 GHz Ref Offset 2.54 dB 10 dB/div Ref 22.54 dB 12.5 2.54 7.46 17.5 27.5 37.5 47.5 57.5 10 dB/div Ref 22.54 2 for the spectrum Particle 10 dB/div Ref 22.54 10 dB/div Ref 22.54 dB 10 dB/div Ref 22	n:Low #Atten: 30 dB	ALIGNAUTO	06:06:41 PM Jun 05, 202 TRACE [] ≥ 3 4 5 TYPE [] ≥ 3 4
Log B/div         Ref 22.54 dBm           12.5			-4.81 dE
2.54 2 1 7 1 39 7 1 30 1 44 1 44 1 45 1 45 1 45 1 45 1 45 1 4			
37.5			
optor 2 44400000 CHz			a dindra di di kata seria ran Interna di tanggan di sana di s
tes BW 1.0 MHz	#VBW 3.0 MHz	Swe	Span 0 H ep   4.000 ms (10001 pts
Δ12         Δ2         1         t (Δ)         2.887 ms (Δ)           1         Δ2         1         t (Δ)         2.887 ms (Δ)           3         4         4         4           5         6         6         7           8         9         100         100	Y FUNCTIO -4.81 dB 0.92 dBm	N FUNCTION WIDTH	FUNCTION VALUE
G		STATUS	
gilent Spectrum Analyzer - Swept SA	11 3-DH5 2441	MHz Accumulate	d
RL         RF         50.2         AC         Image: Constraint of the second secon	SENSE:INT Fast ↔ Trig: Free Run n:Low #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr	06:07:14 PM Jun 05, 202 TRACE 1 2 3 4 5 TYPE WWWWW DET P N N N
Ref Offset 2.54 dB 0 dB/div Ref 22.54 dBm			
<b>og</b> 12.5 2.54 1.46 1.7.5			
57.5			
enter 2.441000000 GHz les BW 1.0 MHz	#VBW 3.0 MHz	Status	Span 0 H veep 31.60 s (10001 pts



# 2. Maximum Average Conducted Output Power

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	5.98	<=30	Pass
NVNT	1-DH5	2441	7.24	<=30	Pass
NVNT	1-DH5	2480	7.02	<=30	Pass
NVNT	2-DH5	2402	2.88	<=30	Pass
NVNT	2-DH5	2441	4.55	<=30	Pass
NVNT	2-DH5	2480	4.34	<=30	Pass
NVNT	3-DH5	2402	2.61	<=30	Pass
NVNT	3-DH5	2441	4.71	<=30	Pass
NVNT	3-DH5	2480	4.58	<=30	Pass

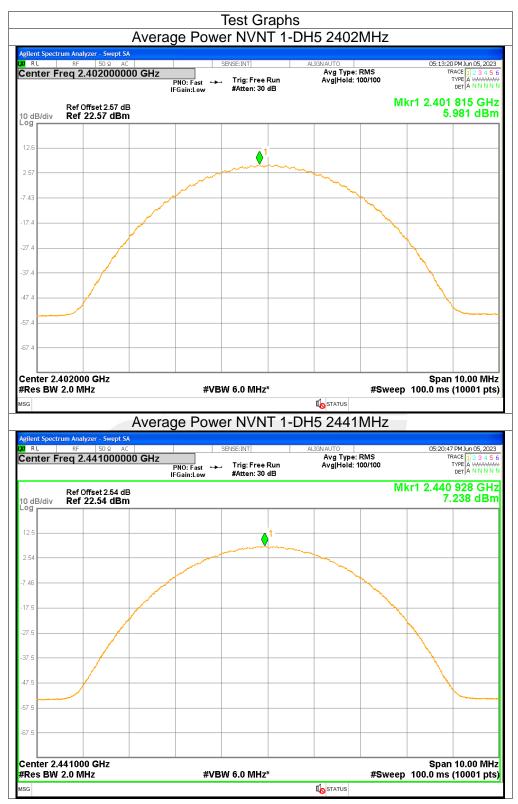


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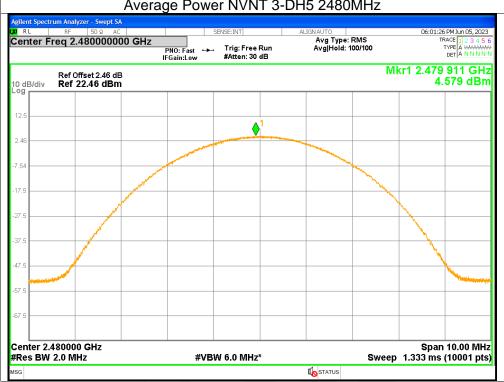


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#### Average Power NVNT 3-DH5 2480MHz

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# 3. Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	7.12	<=21	Pass
NVNT	1-DH5	2441	8.64	<=21	Pass
NVNT	1-DH5	2480	8.31	<=21	Pass
NVNT	2-DH5	2402	6.2	<=21	Pass
NVNT	2-DH5	2441	7.89	<=21	Pass
NVNT	2-DH5	2480	7.72	<=21	Pass
NVNT	3-DH5	2402	6.2	<=21	Pass
NVNT	3-DH5	2441	7.96	<=21	Pass
NVNT	3-DH5	2480	7.66	<=21	Pass



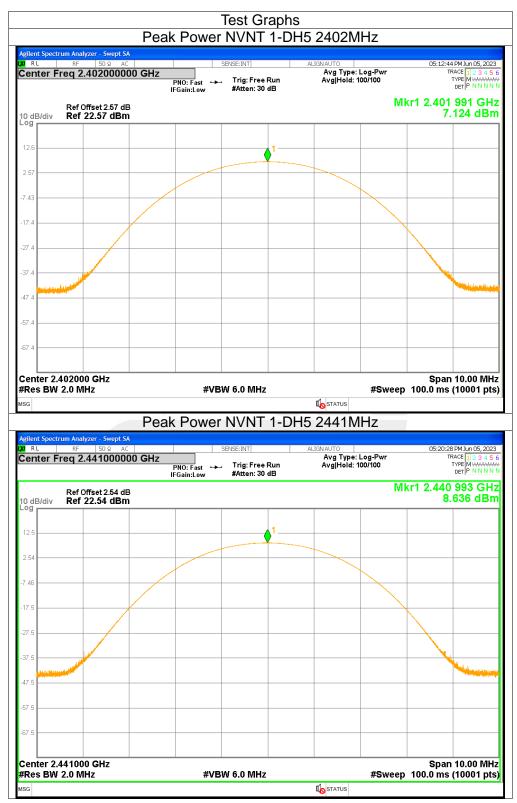
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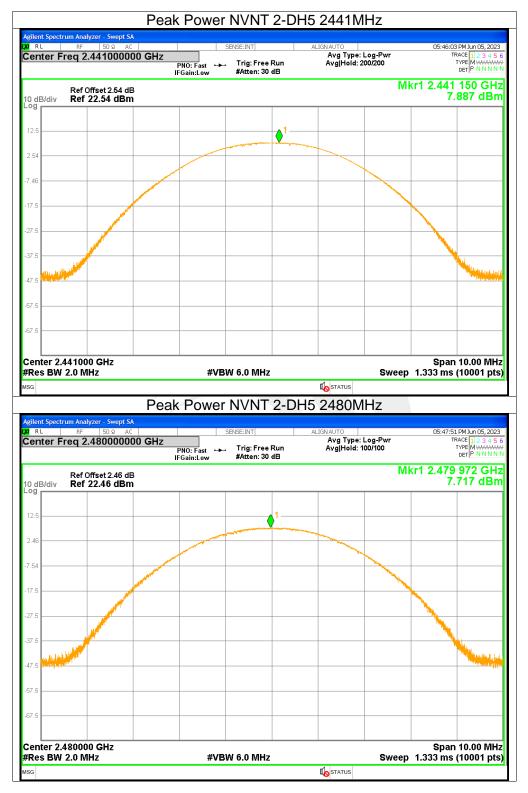


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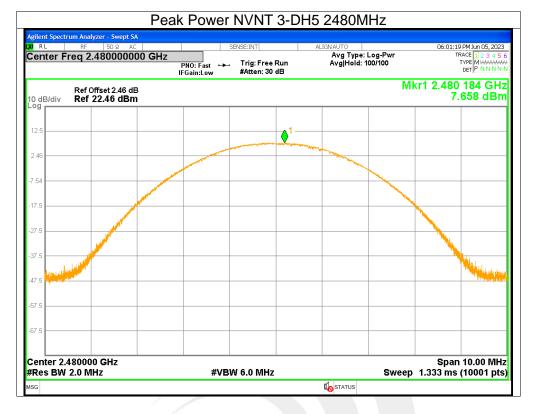
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## 4. -20dB Bandwidth

Condition	Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	0.8324	Pass
NVNT	1-DH5	2441	0.8153	Pass
NVNT	1-DH5	2480	0.8972	Pass
NVNT	2-DH5	2402	1.2759	Pass
NVNT	2-DH5	2441	1.2622	Pass
NVNT	2-DH5	2480	1.2838	Pass
NVNT	3-DH5	2402	1.2763	Pass
NVNT	3-DH5	2441	1.2916	Pass
NVNT	3-DH5	2480	1.2716	Pass



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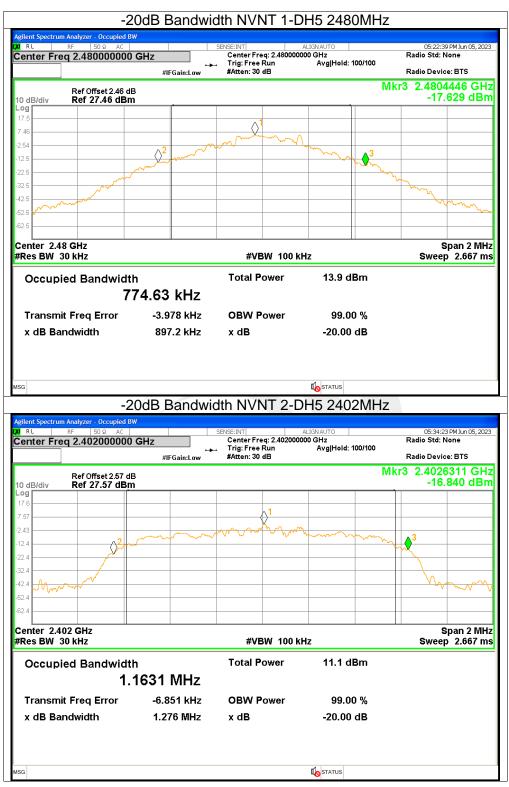
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#### -20dB Bandwidth NVNT 2-DH5 2441MHz Occupied BV RI 05:45:28 PM Jun 05, 2023 Radio Std: None VSE:INTI ALIGNAUT Center Freq: 2.441000000 GHz Trig: Free Run Avg #Atten: 30 dB Center Freq 2.441000000 GHz Avg|Hold: 100/100 Radio Device: BTS #IFGain:Low Mkr3 2.4416236 GHz Ref Offset 2.54 dB Ref 27.54 dBm -14.984 dBm 10 dB/div og. Q .48 Ô $\langle \rangle$ 42 Center 2.441 GHz Span 2 MHz #Res BW 30 kHz #VBW 100 kHz Sweep 2.667 ms **Total Power** 13.1 dBm **Occupied Bandwidth** 1.1593 MHz **Transmit Freq Error** -7.517 kHz **OBW Power** 99.00 % x dB Bandwidth 1.262 MHz x dB -20.00 dB **I**status -20dB Bandwidth NVNT 2-DH5 2480MHz 05:48:06 PM Jun 05, 2023 Radio Std: None Center Freq: 2.480000000 GHz Trig: Free Run Avg #Atten: 30 dB Center Freq 2.480000000 GHz Avg|Hold: 100/100 Radio Device: BTS #IFGain:Low Mkr3 2.4806361 GHz Ref Offset 2.46 dB Ref 27.46 dBm -15.876 dBm 0 dB/div og .48 $\ominus$ 42.5 Center 2.48 GHz Span 2 MHz #Res BW 30 kHz #VBW 100 kHz Sweep 2.667 ms **Total Power** 12.4 dBm **Occupied Bandwidth** 1.1747 MHz -5.817 kHz **Transmit Freq Error OBW Power** 99.00 % x dB Bandwidth 1.284 MHz x dB -20.00 dB **I**STATUS

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#### -20dB Bandwidth NVNT 3-DH5 2402MHz Occupied BV RI 05:57:18 PM Jun 05, 2023 Radio Std: None VSE:INTI ALIGNAUT Center Freq: 2.402000000 GHz Trig: Free Run Avg #Atten: 30 dB Center Freq 2.402000000 GHz Avg|Hold: 100/100 Radio Device: BTS #IFGain:Low Mkr3 2.4026335 GHz Ref Offset 2.57 dB Ref 27.57 dBm -19.611 dBm 10 dB/div og. $\Diamond$ 5 .4 $\langle \rangle^2$ 47 Center 2.402 GHz Span 2 MHz #Res BW 30 kHz #VBW 100 kHz Sweep 2.667 ms **Total Power** 10.9 dBm **Occupied Bandwidth** 1.1710 MHz **Transmit Freq Error** -4.696 kHz **OBW Power** 99.00 % x dB Bandwidth 1.276 MHz x dB -20.00 dB **K**STATUS -20dB Bandwidth NVNT 3-DH5 2441MHz 05:59:56 PM Jun 05, 2023 Radio Std: None Center Freq: 2.441000000 GHz Trig: Free Run Avg #Atten: 30 dB Center Freq 2.441000000 GHz Avg|Hold: 100/100 -----Radio Device: BTS #IFGain:Low Mkr3 2.4416405 GHz Ref Offset 2.54 dB Ref 27.54 dBm -19.671 dBm 0 dB/div og .48 42.5 Center 2.441 GHz Span 2 MHz #Res BW 30 kHz #VBW 100 kHz Sweep 2.667 ms **Total Power** 12.4 dBm **Occupied Bandwidth** 1.1796 MHz -5.326 kHz **Transmit Freq Error OBW Power** 99.00 % x dB Bandwidth 1.292 MHz x dB -20.00 dB **I**STATUS

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#### -20dB Bandwidth NVNT 3-DH5 2480MHz

	m Analyzer - Occupied B	W			
Center Fr	RF 50 Ω AC eq 2.480000000	GHz	SENSE:INT Center Freq: 2.4800		06:01:33 PM Jun 05, 2023 Radio Std: None
	]	#IFGain:Low		Avg Hold: 100/100	Radio Device: BTS
10 dB/div	Ref Offset 2.46 d Ref 27.46 dBr			N	kr3 2.4806304 GHz -15.489 dBm
Log 17.5					
7.46				_ <b>⊘</b> <sup>1</sup>	
-2.54		mmm	mm	Ammun	A3
-12.5			· ·		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
-22.5					
-32.5	mont				mmm
-52.5					
-62.5					
Center 2.4 #Res BW			#/DW/ 404		Span 2 MHz
#Res BW	JU KHZ		#VBW 100		Sweep 2.667 ms
Occup	ied Bandwidt	h	Total Power	12.2 dBm	
	1.	1875 MHz			
Transm	nit Freq Error	-5.347 kHz	OBW Power	99.00 %	
x dB Ba	andwidth	1.272 MHz	x dB	-20.00 dB	
MSG				STATUS	
mou				Nora 103	



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# 5. Carrier Frequencies Separation

Condition	Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	2401.9	2402.998	1.098	>=0.555	Pass
NVNT	1-DH5	2440.966	2441.974	1.008	>=0.544	Pass
NVNT	1-DH5	2478.966	2479.968	1.002	>=0.598	Pass
NVNT	2-DH5	2401.84	2403.01	1.17	>=0.851	Pass
NVNT	2-DH5	2440.842	2442.166	1.324	>=0.841	Pass
NVNT	2-DH5	2479.012	2480.004	0.992	>=0.856	Pass
NVNT	3-DH5	2402.164	2403.158	0.994	>=0.851	Pass
NVNT	3-DH5	2440.95	2442.008	1.058	>=0.861	Pass
NVNT	3-DH5	2479.008	2480	0.992	>=0.848	Pass



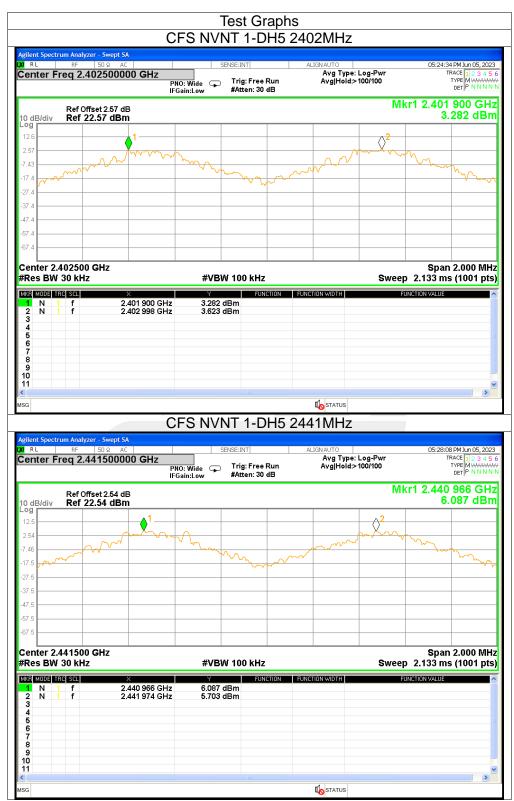
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RL RF	er - Swept SA 50 Ω AC	SI	ENSE:INT	ALIGNAUTO	05:27:14 PM Jun 05, 2
enter Freq 2.4	79500000 GHz P	NO: Wide 😱 Gain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr Avg Hold>100/100	TRACE 1 2 3 4 TYPE M WWW DET P N N N
dB/div Ref 22	set 2.46 dB 2.46 dBm				Mkr1 2.478 966 GI 5.529 dB
<b>9</b> 1.5	1				
16	0 mm	m		mont	m
54		· //	m	~~~~	m
.5			- A hand V		
.5					
.5					
.5					
.5					
enter 2.479500	GHz		I	I I	Span 2.000 M
es BW 30 kHz		#VBV	V 100 kHz	SI	weep 2.133 ms (1001 p
N 1 f	× 2.478 966 GHz	5.529 (	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
N 1 f	2.479 968 GHz	5.460 0	dBm		
	2.473 300 0112	0.400 (			
					i i i i i i i i i i i i i i i i i i i
				The STATUS	
				STATUS	
	0	FS NV	NT 2-DH5 2	-	3
		FS NVI	NT 2-DH5 2	-	3
				-	
RL RF	er - Swept SA 50 Ω AC 02500000 GHz	S	ENSE:INT	2402MHz ALIGNAUTO Avg Type: Log-Pwr	05:50:08 PMJun 05, 2 TRACE 12 2 3 4
RL RF	er - Swept SA 50 Ω AC 02500000 GHz P	NO: Wide		2402MHz	05:50:08 PM Jun 05, 2
RL RF nter Freq 2.4	er - Swept SA 50 Ω AC 02500000 GHz P IF	S	ENSE:INT	2402MHz ALIGNAUTO Avg Type: Log-Pwr	05:50:08 PM Jun 05, 2 TRACE 1234 TYPE MWWW DET P NNN Mkr1 2.401 840 GI
RL RF nter Freq 2.4 Ref Off dB/div Ref 22	er - Swept SA 50 Ω AC 02500000 GHz P	NO: Wide	ENSE:INT	2402MHz ALIGNAUTO Avg Type: Log-Pwr	05:50:08 PM Jun 05, 2 TRACE 1234 TYPE M WWW
RL RF nter Freq 2.4 dB/div Ref 2:	er - Swept SA 50 Ω AC 02500000 GHz P R set 2.57 dB 2.57 dB 0 0 0 0 0 0 0 0 0 0 0 0 0	NO: Wide	ENSE:INT	2402MHz ALIGNAUTO Avg Type: Log-Pwr	05:50:08 PM Jun 05, 2 TRACE 1234 TYPE MWWW DET P NNN Mkr1 2.401 840 GI
RL RF nter Freq 2.4 Ref Off dB/div Ref 22 9 .6	er - Swept SA 50 Ω AC 02500000 GHz P If set 2.57 dB	NO: Wide	ENSE:INT	2402MHz ALIGNAUTO Avg Type: Log-Pwr	05:50:08 PM Jun 05, 2 TRACE 1234 TYPE MWWW DET P NNN Mkr1 2.401 840 GI
ent Spectrum Analyze RL RF inter Freq 2.4 dB/div Ref Off g 6. 57	er - Swept SA 50 Ω AC 02500000 GHz P R set 2.57 dB 2.57 dB 0 0 0 0 0 0 0 0 0 0 0 0 0	NO: Wide	ENSE:INT	2402MHz ALIGNAUTO Avg Type: Log-Pwr	05:50:08 PM Jun 05, 2 TRACE 1234 TYPE MWWW DET P NNN Mkr1 2.401 840 GI
ent Spectrum Analyze RL RF inter Freq 2.4 dB/div Ref 0ff g dB/div Ref 2 g	er - Swept SA 50 Ω AC 02500000 GHz P R set 2.57 dB 2.57 dB 0 0 0 0 0 0 0 0 0 0 0 0 0	NO: Wide	ENSE:INT	2402MHz ALIGNAUTO Avg Type: Log-Pwr	05:50:08 PM Jun 05, 2 TRACE 1234 TYPE MWWW DET P NNN Mkr1 2.401 840 GI
RL RF nter Freq 2.4 dB/div Ref Off aB/div Ref 2:	er - Swept SA 50 Ω AC 02500000 GHz P R set 2.57 dB 2.57 dB 0 0 0 0 0 0 0 0 0 0 0 0 0	NO: Wide	ENSE:INT	2402MHz ALIGNAUTO Avg Type: Log-Pwr	05:50:08 PM Jun 05, 2 TRACE 1234 TYPE MWWW DET P NNN Mkr1 2.401 840 GI
RL RF nter Freq 2.4 Ref Off dB/div Ref 2: 9 4 4 4	er - Swept SA 50 Ω AC 02500000 GHz P R set 2.57 dB 2.57 dB 0 0 0 0 0 0 0 0 0 0 0 0 0	NO: Wide	ENSE:INT	2402MHz ALIGNAUTO Avg Type: Log-Pwr	05:50:08 PM Jun 05, 2 TRACE 1234 TYPE MWWW DET P NNN Mkr1 2.401 840 GI
RL RF nter Freq 2.4 Ref Off dB/div Ref 2: 9 4 4 4 4	er - Swept SA 50 Ω AC 02500000 GHz P R set 2.57 dB 2.57 dB 0 0 0 0 0 0 0 0 0 0 0 0 0	NO: Wide	ENSE:INT	2402MHz ALIGNAUTO Avg Type: Log-Pwr	05:50:08 PM Jun 05, 2 TRACE 1234 TYPE MWWW DET P NNN Mkr1 2.401 840 GI
RL RF nter Freq 2.4 Ref Off dB/div Ref 2: 4 4 4 4 4	er - Swept SA 50 Ω AC 02500000 GHz P R set 2.57 dB 2.57 dB 0 0 0 0 0 0 0 0 0 0 0 0 0	NO: Wide	ENSE:INT	2402MHz ALIGNAUTO Avg Type: Log-Pwr	05:50:08 PM Jun 05, 2 TRACE 1234 TYPE MWWW DET P NNN Mkr1 2.401 840 GI
ent Spectrum Analyze RL RF inter Freq 2.4 BIdiv Ref Off BIdiv Ref 2: BIDIV Ref 2: BIDIV Ref 4 A A A A A	er - Swept SA 50 Ω AC 02500000 GHz P R set 2.57 dB 2.57 dB 0 0 0 0 0 0 0 0 0 0 0 0 0	NO: Wide	ENSE:INT	2402MHz ALIGNAUTO Avg Type: Log-Pwr	05:50:08 PM Jun 05, 2 TRACE 1234 TYPE MWWW DET P NNN Mkr1 2.401 840 GI
ent Spectrum Analyze RL RF inter Freq 2.4 GB/div Ref 22 GB/div Ref 22 GB/div Ref 24 GB/div Ref 24 GB	er - Swept SA 50 Ω AC 02500000 GHz P R set 2.57 dB 2.57 dB 0 0 0 0 0 0 0 0 0 0 0 0 0	NO: Wide	ENSE:INT	2402MHz ALIGNAUTO Avg Type: Log-Pwr	05:50:08 PM Jun 05, 2 TRACE 1234 TYPE MWWW DET P NNN Mkr1 2.401 840 GI
Ref         Ref           nter         Freq 2.4           Ref Off         Ref Off           B/div         Ref 22           G         -           A         -           4         -           4         -           4         -           4         -           4         -           4         -           4         -           4         -	er - Swept SA 50 Ω AC 02500000 GHz P I set 2.57 dB 2.57 dB 1 1 1 1 1 1 1 1 1 1 1 1 1	NO: Wide	ENSE:INT	2402MHz ALIGNAUTO Avg Type: Log-Pwr	05:50:08 PM Jun 05, 2 TRACE 1234 TYPE MMWWW per JP NIN Mkr1 2.401 840 Gi -1.552 dB 2
RL RF nter Freq 2.4 Ref Off dB/div Ref 22 dB/div Ref 22 dB/di	er - Swept SA 50 Ω AC 02500000 GHz P I set 2.57 dB 2.57 dB 1 1 1 1 1 1 1 1 1 1 1 1 1	NO: Wide Gain:Low	ENSE:INT	ALIGNAUTO Avg Type: Log-Pwr Avg Hold>100/100	05:50:09 PMJun 05, 2 TRACE 12 3 4 TYPE MMWWW Mkr1 2.401 840 GI -1.552 dB 2 -1.552 dB
Ref         Ref           nter         Freq 2.4           B/div         Ref Off           3         -           4 <td>er - Swept SA 50 Ω AC 02500000 GHz P r set 2.57 dB 2.57 dB 1 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>NO: Wide Gain:Low</td> <td>ENSE:INT</td> <td>2402MHz</td> <td>05:50:08 PM Jun 05, 2 TRACE 12.3 4 VYPE MMWWW PART 2.401 840 GI -1.552 dB -1.552 dB</td>	er - Swept SA 50 Ω AC 02500000 GHz P r set 2.57 dB 2.57 dB 1 0 0 0 0 0 0 0 0 0 0 0 0 0	NO: Wide Gain:Low	ENSE:INT	2402MHz	05:50:08 PM Jun 05, 2 TRACE 12.3 4 VYPE MMWWW PART 2.401 840 GI -1.552 dB -1.552 dB
RL RF nter Freq 2.4 Ref Off Ref 2:	er - Swept SA 50 Ω AC 2500000 GHz P B Set 2.57 dB 2.57 dB 1 0 0 0 0 0 0 0 0 0 0 0 0 0	NO: Wide Gain:Low #VBV	ENSE:INT	ALIGNAUTO Avg Type: Log-Pwr Avg Hold>100/100	05:50:09 PMJun 05, 2 TRACE 12 3 4 TYPE MMWWW Mkr1 2.401 840 GI -1.552 dB 2 -1.552 dB
RL RF nter Freq 2.4 B/div Ref 22 Ref Off Ref 22 Ref 22 Re	er - Swept SA 50 Ω AC 02500000 GHz P 1 set 2.57 dB 2.57 dB 1 0 0 0 0 0 0 0 0 0 0 0 0 0	NO: Wide Gain:Low	ENSE:INT	2402MHz	05:50:08 PM Jun 05, 2 TRACE 12.3 4 VYPE MMWWW PART 2.401 840 GI -1.552 dB -1.552 dB
Ref         Ref           nter         Freq 2.4           B/div         Ref Off           7         Ref Off           3         Ref off           4         Ref off           4         Ref off           4         Ref off           9         Ref off           4         Ref off           5         Ref off           6         Ref off           7	er - Swept SA 50 Ω AC 2500000 GHz P B Set 2.57 dB 2.57 dB 1 0 0 0 0 0 0 0 0 0 0 0 0 0	NO: Wide Gain:Low #VBV	ENSE:INT	2402MHz	05:50:08 PM Jun 05, 2 TRACE 12.3 4 VYPE MMWWW PART 2.401 840 GI -1.552 dB -1.552 dB
Ref         Ref           nter         Freq 2.4           B/div         Ref Off           7         Ref Off           3         Ref off           4         Ref off           4         Ref off           4         Ref off           9         Ref off           4         Ref off           5         Ref off           6         Ref off           7	er - Swept SA 50 Ω AC 2500000 GHz P B Set 2.57 dB 2.57 dB 1 0 0 0 0 0 0 0 0 0 0 0 0 0	NO: Wide Gain:Low #VBV	ENSE:INT	2402MHz	05:50:08 PM Jun 05, 2 TRACE 12.3 4 VYPE MMWWW PART 2.401 840 GI -1.552 dB -1.552 dB
ent Spectrum Analyzz RL RF inter Freq 2.4 Ref Off dB/div Ref 2: 6 6 7 7 4 4 4 4 4 4 4 4 4 4 4 4 4	er - Swept SA 50 Ω AC 2500000 GHz P B Set 2.57 dB 2.57 dB 1 0 0 0 0 0 0 0 0 0 0 0 0 0	NO: Wide Gain:Low #VBV	ENSE:INT	2402MHz	05:50:08 PM Jun 05, 2 TRACE 12.3 4 VYPE MMWWW PART 2.401 840 GI -1.552 dB -1.552 dB
ent Spectrum Analyz RL RF inter Freq 2.4 Ref Off dB/div Ref 2: 9 4 4 4 4 4 4 4 4 4 4 4 4 4	er - Swept SA 50 Ω AC 2500000 GHz P B Set 2.57 dB 2.57 dB 1 0 0 0 0 0 0 0 0 0 0 0 0 0	NO: Wide Gain:Low #VBV	ENSE:INT	2402MHz	05:50:08 PM Jun 05, 2 TRACE 12.3 4 VYPE MMWWW PART 2.401 840 GI -1.552 dB -1.552 dB
Ref         Ref           nter         Freq 2.4           Ref Off         Ref off           G         -           G<	er - Swept SA 50 Ω AC 2500000 GHz P B Set 2.57 dB 2.57 dB 1 0 0 0 0 0 0 0 0 0 0 0 0 0	NO: Wide Gain:Low #VBV	ENSE:INT	2402MHz	05:50:08 PM Jun 05, 2 TRACE 12.3 4 VYPE MMWWW PART 2.401 840 GI -1.552 dB -1.552 dB
Ref Off dB/div Ref 2: 9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	er - Swept SA 50 Ω AC 2500000 GHz P B Set 2.57 dB 2.57 dB 1 4 6 CHz 2.401 840 GHz	NO: Wide Gain:Low #VBV	ENSE:INT	2402MHz	05:50:08 PM Jun 05, 2 TRACE 12.3 4 VYPE MMWWW PART 2.401 840 GI -1.552 dB -1.552 dB

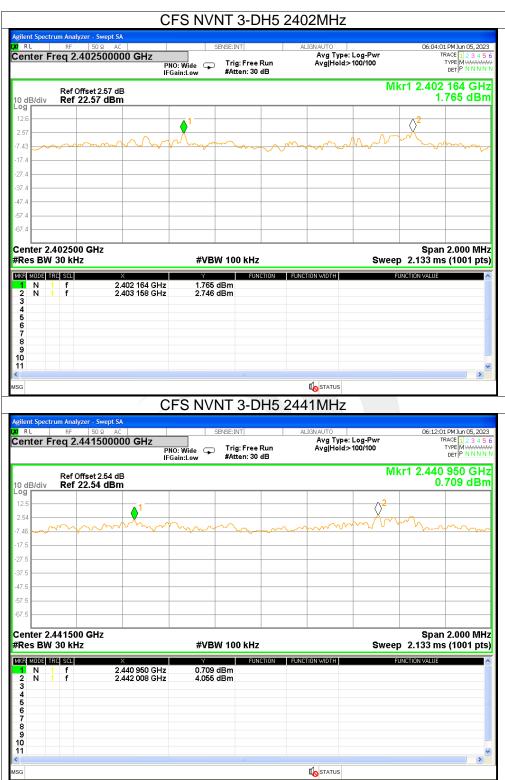
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#### Page 70 of 100 CFS NVNT 2-DH5 2441MHz ilent Spectrum Analyzer - Swept SA R L 20 PM Jun 05, 2023 SENSE:INT Center Freq 2.441500000 GHz Avg Type: Log-Pw Avg|Hold>100/100 RACE 1 2 3 4 5 TYPE MWWWW DET P N N N PNO: Wide 😱 IFGain:Low Trig: Free Run #Atten: 30 dB Mkr1 2.440 842 GHz 0.180 dBm Ref Offset 2.54 dB Ref 22.54 dBm I0 dB/div og 7.4 47. 57 Center 2.441500 GHz Span 2.000 MHz #Res BW 30 kHz #VBW 100 kHz Sweep 2.133 ms (1001 pts) MKR MODE TRC SCL FUNCTION FUNCTION WIDTH FUNCTION VALUE T 1 N 2 N 3 4 5 6 7 8 9 10 11 2.440 842 GHz 2.442 166 GHz 0.180 dBm 3.267 dBm f **I**status -CFS NVNT 2-DH5 2480MHz /ept SA 47 PM Jun 05, 2023 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P N N N N B L Center Freq 2.479500000 GHz Avg Type: Log-Pwr Avg|Hold>100/100 Trig: Free Run #Atten: 30 dB PNO: Wide 😱 IFGain:Low Mkr1 2.479 012 GHz 3.474 dBm Ref Offset 2.46 dB Ref 22.46 dBm 0 dB/div og $\langle \rangle$ 2.4 47 Center 2.479500 GHz Span 2.000 MHz #Res BW 30 kHz #VBW 100 kHz Sweep 2.133 ms (1001 pts) MKR MODE TRC SCL FUNCTION FUNCTION WIDTH FUNCTION VALUE 2.479 012 GHz 2.480 004 GHz 3.474 dBm 2.204 dBm N 1 f N 1 f 1 2 3 4 5 6 7 8 9 10 11 **K**STATUS SG



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#### Report No.: STS2306300W02

	CF	S NVNT 3	-DH5 24	80MHz		
gilent Spectrum Analyze RL RF Center Freq 2.47	50 Ω AC 79500000 GHz	SENSE:INT	Free Run	ALIGNAUTO Avg Type: Log-F Avg Hold>100/10	Pwr	:07:39 PM Jun 05, 2023 TRACE 1 2 3 4 5 6 TYPE M WWWWW
			n: 30 dB	Avginola > 100/1		DET PNNNN
10 dB/div Ref 22	et 2.46 dB . <b>46 dBm</b>				Mkr1 2.4	179 008 GHz 3.625 dBm
-og 12.5	<b>n 1</b>					
2.46	<b>?</b>				Ann-	
7.54	m hr	m	mm		2. As my Town	m
17.5						
27.5						
37.5						
47.5						
57.5						
67.5						
Center 2.479500 ( Res BW 30 kHz	GHz	#VBW 100	kHz			pan 2.000 MH: 3 ms (1001 pts
MKR MODE TRC SCL	× 2.479 008 GHz	Y 3.625 dBm	FUNCTION FUN	CTION WIDTH	FUNCTION VA	LUE
2 N 1 f	2.480 000 GHz	3.029 dBm				
3 4						
5 6						
7 8						
9						
11						~
				STATUS		



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## 6. 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



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#### Report No.: STS2306300W02

Agilent Spectrum Analyzer - Swept			est Graph NVNT 1-[	s DH5 Hoppin	g	
KI RF 50 Ω     Center Freq 2.441750	000 GHz	NO: East	ISE:INT	ALIGNAUTO Avg Type: Lo Avg Hold>10	g-Pwr	05:25:00 PM Jun 05, 2023 TRACE 1 2 3 4 5 TYPE M
Ref Offset 2.57	IFC	Gain:Low	#Atten: 30 dB		Mkr1 2.4	02 004 0 GH:
10 dB/div Ref 22.57 dB						5.825 dBn
12.6 2.57 -7.43	MANAMANNA (	ANNA ANNA AN	WARANANA	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		VANAAAAAA
-17.4		1 *	111111117	L L L L L L L L L L L L L L L L L L L	-1-11-1-11-1	
-27.4						
-47.4						
67.4						
Start 2.40000 GHz #Res BW 100 kHz		#VBW	300 kHz			op 2.48350 GH 00 ms (1001 pts
	× .402 004 0 GHz	5.825 dE		FUNCTION WIDTH	FUNCTION	VALUE
3 4	.480 160 0 GHz	7.474 dE	Sm			
5 6						
7 8 9						
10 11						
<				-4		<u> </u>
ISG				<b>I</b> STATUS		
	Llong	in a Na			~	
agilent Spectrum Analyzer - Swent		oing No.	NVNT 2-E	DH5 Hoppin	g	
<mark>(/RL</mark> RF 50Ω.	AC		NVNT 2-E	ALIGNAUTO		05:50:34 PM Jun 05, 202 TRACE 1 2 3 4 5
<mark>(/RL</mark> RF 50Ω.	AC 000 GHz	SEN			g-Pwr	TRACE 1 2 3 4 5
RL RF 50 Ω Center Freq 2.441750 Ref Offset 2.57	SA AC 000 GHz PP IFC	SEN	∜SE:INT	ALIGNAUTO Avg Type: Lo	g-Pwr D/100	TRACE 12345 TYPE MWWW DET PNNNN
RL         RF         50 Ω           Center Freq 2.441750         Ref Offset 2.57           10 dB/div         Ref 22.57 dB	SA AC 000 GHz PP IFC	SEN	∜SE:INT	ALIGNAUTO Avg Type: Lo	g-Pwr D/100	TRACE 12345 TYPE MWWW DET PNNNN
RL         RF         50 Ω           Center Freq 2.441750         Ref Offset 2.57         Ref Offset 2.57           10 dB/div         Ref 22.57 dB         1           126         1         2.57           2.57         Myth.	SA AC OOO GHz PI IFC dB Sm	NO: Fast Gain:Low	KSE:INT Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Lo	g-Pwr 0/100 Mkr1 2.4	TRACE 12345 TYPE MWWW DET PNNNN
RL         RF         50 Q           Center Freq 2.441750         Ref Offset 2.57           10 dB/div         Ref 22.57 dB           12.6         1           2.57         1           2.57         1           2.57         1	SA AC OOO GHz PI IFC dB Sm	NO: Fast Gain:Low	KSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Lo Avg Hold>10	g-Pwr 0/100 Mkr1 2.4	12345 TYPE MWWWW DET P NNNN 01 837 0 GH: 4.787 dBn
RL         RF         50 Ω           Center Freq 2.441750         Ref Offset 2.57           10 dB/div         Ref 22.57 dB           12.6         1           2.57         1           2.57         1           1.26         1           1.7.4         1	SA AC OOO GHz PI IFC dB Sm	NO: Fast Gain:Low	KSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Lo Avg Hold>10	g-Pwr 0/100 Mkr1 2.4	12345 TYPE MWWWW DET P NNNN 01 837 0 GH: 4.787 dBn
RL         RF         50 Ω           Center Freq 2.441750         Ref Offset 2.57           10 dB/div         Ref 22.57 dB           12.6         1           2.57         1           2.57         1           1.26         1           1.7.4         1	SA AC OOO GHz PI IFC dB Sm	NO: Fast Gain:Low	KSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Lo Avg Hold>10	g-Pwr 0/100 Mkr1 2.4	12345 TYPE MWWWW DET P NNNN 01 837 0 GH: 4.787 dBn
RL         RF         50 Ω           Center Freq 2.441750           Conter Freq 2.441750           Ref Offset 2.57           Ref 22.57 dB           12.6           1           12.6           1           17.4           -7.43           -7.43           -7.43           -7.43           -7.44	SA AC OOO GHz PI IFC dB Sm	NO: Fast Gain:Low	KSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Lo Avg Hold>10	g-Pwr 0/100 Mkr1 2.4	12345 TYPE MWWWW DET P NNNN 01 837 0 GH: 4.787 dBn
RL         RF         50 Ω           Center Freq 2.441750           Conter Freq 2.441750           Ref Offset 2.57           Ref 22.57 dB           12.6           12.6           12.6           14.7           4.7.4           47.4           47.4	SA AC OOO GHz PI IFC dB SM	NO: Fast Gain:Low	KSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Lo Avg Hold>10	g-Pwr 0/100 Mkr1 2.4	12345 TYPE MWWWW DET P NNNN 01 837 0 GH: 4.787 dBn
RL         RF         50 Ω           Center Freq 2.441750         Ref Offset 2.57           10 dB/div         Ref 22.57 dB           257         7.43           -7.43	SA AC OOO GHz PI IFC dB SM	NO: Fast Gain:Low	KSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Lo Avg Hold>10	g-Pwr orioo Mkr1 2.4 Myrtydhanan A	12345 TYPACE 12345 TYPACE 12345 Det P NNNN 01 837 0 GH 4.787 dBn
RL         RF         50 Ω           Center Freq 2.441750           Og         Ref Offset 2.57           12.6         1           12.6         1           17.4         -           -7.43         -           -7.43         -           -7.43         -           -7.43         -           -7.43         -           -7.43         -           -7.43         -           -7.43         -           -7.43         -           -7.43         -           -7.43         -           -7.43         -           -7.44         -           -7.43         -           -7.44         -           -7.43         -           -7.44         -           -7.43         -           -7.44         -           -7.43         -           -7.44         -           -7.44         -           -7.44         -           -7.44         -           -7.45         -           -7.46         -           -7.47         - <t< td=""><td>SA AC OOO GHz PI IFC dB SM</td><td>NO: Fast Gain:Low</td><td>KSE:INT Trig: Free Run #Atten: 30 dB</td><td>ALIGN AUTO Avg Type: Lo Avg Hold&gt;10</td><td>g-Pwr orioo Mkr1 2.4 MMMMMM</td><td>05:50:34 PM Jun 05, 202 TRACE 12:3 4 5 TVPE MWWWW DET IP NNNN 01 837 0 GH; 4.787 dBn 4.787 dBn 00 1837 0 GH; 4.787 dBn 00 1837 0 GH; 2.48350 GH 00 ms (1001 pts</td></t<>	SA AC OOO GHz PI IFC dB SM	NO: Fast Gain:Low	KSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Lo Avg Hold>10	g-Pwr orioo Mkr1 2.4 MMMMMM	05:50:34 PM Jun 05, 202 TRACE 12:3 4 5 TVPE MWWWW DET IP NNNN 01 837 0 GH; 4.787 dBn 4.787 dBn 00 1837 0 GH; 4.787 dBn 00 1837 0 GH; 2.48350 GH 00 ms (1001 pts
RL         RF         S0 Ω           Center Freq 2.441750           Og         Ref Offset 2.57           12.6         1           12.6         1           12.6         1           12.6         1           17.43         1           47.4         -           47.4         -           47.4         -           57.4         -           57.43         -           57.43         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -           Start 2.40000 GHz           #Res BW 100 kHz	SA AC OUOO GHZ PIFC dB Sm View Away Avanta Sm	NO: Fast Gain:Low	SEEINT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Lo Avg Hold>10	g-Pwr orioo Mkr1 2.4 MMMMMM	TRACE 12345 Typer P NNNN 01 837 0 GH 4.787 dBn 0 0 2.48350 GH 00 ms (1001 pts
RL         RF         50 Ω           Center Freq 2.441750           Center Freq 2.441750           Ref Offset 2.57           Ref 22.57 dB           12.6           12.6           12.6           12.6           14.7.4           47.4           47.4           47.4           57.5           57.6           57.7           57.8           57.9           57.9           57	SA AC OOO GHz PI IFC dB SM	NO: Fast Gain:Low	SE:INT Trig: Free Run #Atten: 30 dB 	ALIGNAUTO Avg Type: Lo Avg Hold>10	g-Pwr orioo Mkr1 2.4 Myyddynayyd Sweep 8.00	TRACE 12345 Typer P NNNN 01 837 0 GH 4.787 dBn 0 0 2.48350 GH 00 ms (1001 pts
Ref Offset 2.57           10         B/div           12         1           2.57         1           2.57         1           2.57         1           2.57         1           2.57         1           2.57         1           2.57         1           2.57         1           2.57         1           2.57         1           2.57         1           2.57         1           2.57         1           37.4         1           47.4         1           47.4         1           47.4         1           47.4         1           47.4         1           47.4         1           47.4         1           47.4         1           47.4         1           47.4         1           47.4         1           47.4         1           47.4         1           47.4         1           47.4         1           47.4         1	SA AC DOO GHZ PI IFC dB Sm Very Mary MAR AU AU 1837 0 GHz	NO: Fast Gain:Low	SE:INT Trig: Free Run #Atten: 30 dB 	ALIGNAUTO Avg Type: Lo Avg Hold>10	g-Pwr orioo Mkr1 2.4 Myyddynayyd Sweep 8.00	TRACE 12345 Typer P NNNN 01 837 0 GH 4.787 dBn 0 0 2.48350 GH 00 ms (1001 pts
RL         RF         50 Q           Center Freq 2.441750           Center Freq 2.441750           Ref Offset 2.57           Ref 22.57 dB           12 d           13 d           147.4           17.4           17.4           17.4           17.4           17.4           17.4           17.4           17.4           17.4           17.4           17.4           17.4           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1	SA AC DOO GHZ PI IFC dB Sm Very Mary MAR AU AU 1837 0 GHz	NO: Fast Gain:Low	SE:INT Trig: Free Run #Atten: 30 dB 	ALIGNAUTO Avg Type: Lo Avg Hold>10	g-Pwr orioo Mkr1 2.4 Myyddynayyd Sweep 8.00	TRACE 12345 Typer P NNNN 01 837 0 GH 4.787 dBn 0 0 2.48350 GH 00 ms (1001 pts
RL         RF         S0 Ω           Center Freq 2.441750           Og         Ref Offset 2.57           Og         Ref 22.57 dB           Og         1           257         Ref 22.57 dB           7.43	SA AC DOO GHZ PI IFC dB Sm Very Mary MAR AU AU 1837 0 GHz	NO: Fast Gain:Low	SE:INT	ALIGNAUTO Avg Type: Lo Avg Hold>10	g-Pwr orioo Mkr1 2.4 Myyddynayyd Sweep 8.00	TRACE [1 23 45 TYPE [1 23 45 DET [9 NNNN 01 837 0 GH 4.787 dBn 0 more (1001 pts)
RL         RF         S0 Ω           Center Freq 2.441750           Conter Freq 2.441750           Ref Offset 2.57           Og         Ref 22.57 dB           Og         1           257         Ref 22.57 dB           7.43         4           47.4         4           47.4         4           47.4         4           57.4         57.4           Start 2.40000 GHz         Res BW 100 kHz           M02         Tac Sca           2         1         6	SA AC DOO GHZ PI IFC dB Sm Very Mary MAR AU AU 1837 0 GHz	NO: Fast Gain:Low	SE:INT	ALIGNAUTO Avg Type: Lo Avg Hold>10	g-Pwr orioo Mkr1 2.4 Myyddynayyd Sweep 8.00	TRACE [1 23 45 TYPE [1 23 45 DET [9 NNNN 01 837 0 GH 4.787 dBn 0 more (1001 pts)

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Hopp Agilent Spectrum Analyzer - Swept SA	oing No. NVN	Г 3-DH5 Нор	ping	
RL RF 50 Q AC Center Freq 2.441750000 GHz P	SENSE:INT NO: Fast Trig: Free Gain:Low #Atten: 30	Run Avg Hol	pe: Log-Pwr d:>100/100	06:05:47 PM Jun 05, 2023 TRACE 1 2 3 4 5 TYPE MWWWW DET P N N N N
Ref Offset 2.57 dB 0 dB/div Ref 22.57 dBm			Mkr1 2.4	02 171 0 GHz 6.051 dBm
12.6 1- 2.57 AANGLAR TOWN TOWN AND	ALANA MARANA	A Margarithe	MAMAN	www.ww
7.4				
7.4				
57.4				\
tart 2.40000 GHz Res BW 100 kHz	#VBW 300 kHz			top 2.48350 GH 00 ms (1001 pts
RF MODE TRO SCI X 1 N 1 f 2.402 171 0 GHz 2 N 1 f 2.480 494 0 GHz 3 4	¥ FUN 6.051 dBm 1.614 dBm	CTION FUNCTION WIDTH	FUNCTION	VALUE
5 6 7 8 9				
0				
G		<b>L</b> STATUS		



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## 7. Band Edge

Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	No-Hopping	-62.59	<=-20	Pass
NVNT	1-DH5	2480	No-Hopping	-62.8	<=-20	Pass
NVNT	2-DH5	2402	No-Hopping	-60.93	<=-20	Pass
NVNT	2-DH5	2480	No-Hopping	-63	<=-20	Pass
NVNT	3-DH5	2402	No-Hopping	-62.31	<=-20	Pass
NVNT	3-DH5	2480	No-Hopping	-62.23	<=-20	Pass



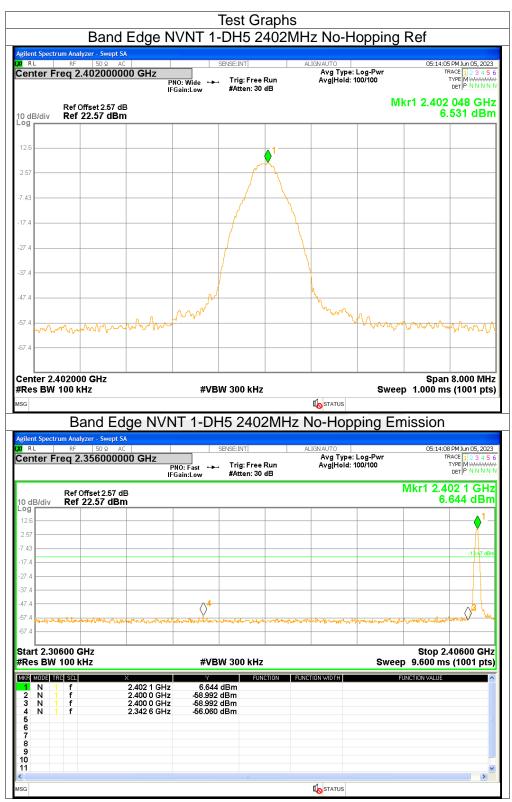
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#### Report No.: STS2306300W02



A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ, Fuyong Sub-District, Bao'an District, Shenzhen, Guang Dong, China Tel:+86-755 3688 6288 Fax:+86-755 3688 6277 Http://www.stsapp.com E-mail: sts@stsapp.com

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#### Report No.: STS2306300W02

gilant Spactrum	Band Analyzer - Swept SA						
RL	RF 50 Ω AC			SENSE:INT	ALIGNAUTO		05:22:45 PM Jun 05, 2023
enter Frec	2.48000000	P	PNO: Wide 🔸 FGain:Low		Avg Type: Log-Pv Avg Hold: 100/100	wr	TRACE 12345 TYPE MWWWW DET PNNNN
	ef Offset 2.46 dE ef 22.46 dBm					Mkr1 2	.479 968 GH 7.545 dBr
2.5							
.46							
.54							
7.5					<u>}</u>		
7.5							
7.5							
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7.5			m		man a		
7.5 Mmm	why have	Murah				- And March	almy hours
7.5							
			#\/F	300 kHz			
enter 2.480 Res BW 100			#VE	300 kHz	To STATUS		
Res BW 100	0 kHz	ge NVI				Sweep 1.0	00 ms (1001 pts
Res BW 100 G	0 kHz Band Ed Analyzer - Swept SA	1		H5 2480MF	to status 12 No-Hopping	sweep 1.0 g Emiss	00 ms (1001 pts ion
Res BW 100	Band Ed	00 GHz	NT 1-D PNO: Fast ↔	H5 2480MH		sweep 1.0 g Emiss	00 ms (1001 pts ion 05:22:48 PM km 05, 202 TRACE 12 3 4 5 TYPE M WWW
Res BW 100 G Ilent Spectrum / RL enter Frec	0 kHz Band Ed Analyzer - Swept SA RF 50 Ω AC 1 2.52600000	)0 GHz	NT 1-D	H5 2480MH	Tz No-Hopping Alignauto Avg Type: Log-Pi	sweep 1.0 g Emiss ∾r	00 ms (1001 pts ion 05:22:48 PM Jun 05, 202 TRACE [1 2 3 4 5 TYPE [MWWWW DET [P NNNN
G G G G G C C G G C C C C C C C C C C C C C	0 κHz Band Ed Analyzer - Swept SA RF 50 Ω AC	00 GHz	NT 1-D PNO: Fast ↔	H5 2480MH	Tz No-Hopping Alignauto Avg Type: Log-Pi	sweep 1.0 g Emiss ∾r	00 ms (1001 pts ion 05:22:48 PM Jun 05, 202 TRACE 1 2 3 4 5 TYPE NNNN 0ET P NNNN 2.480 0 GH:
Res BW 100 G RL C AB/div RL AB/div RL AB/div RL AB/div RL AB/div RL AB/div RL AB/div RL AB/div RL AB/div A	0 kHz Band Ed Analyzer - Swept SA RF 50 Ω AC 1 2.52600000 ef Offset 2.46 dE	00 GHz	NT 1-D PNO: Fast ↔	H5 2480MH	Tz No-Hopping Alignauto Avg Type: Log-Pi	sweep 1.0 g Emiss ∾r	00 ms (1001 pts ion 05:22:48 PM Jun 05, 202 TRACE [1 2 3 4 5 TYPE [MWWWW DET [P NNNN
Res BW 100 G Ilent Spectrum / RL enter Frec O dB/div R C dB/div R 1 1 1 1 1 1 1 1 1 1 1 1 1	0 kHz Band Ed Analyzer - Swept SA RF 50 Ω AC 1 2.52600000 ef Offset 2.46 dE	00 GHz	NT 1-D PNO: Fast ↔	H5 2480MH	Tz No-Hopping Alignauto Avg Type: Log-Pi	sweep 1.0 g Emiss ∾r	00 ms (1001 pts ion 05:22:48 PM Jun 05, 202 TRACE [1:3:4:5 TRACE [1:3:4:5]
Res BW 100 G Ilent Spectrum / RL C dB/div C dB/div	0 kHz Band Ed Analyzer - Swept SA RF 50 Ω AC 1 2.52600000 ef Offset 2.46 dE	00 GHz	NT 1-D PNO: Fast ↔	H5 2480MH	Tz No-Hopping Alignauto Avg Type: Log-Pi	sweep 1.0 g Emiss ∾r	00 ms (1001 pts ion 05:22:48 PM Jun 05, 202 TRACE [1 23 4 5 TYPACE [1 23 4
Res BW 100 rest of the second	0 kHz Band Ed Analyzer - Swept SA RF 50 Ω AC 1 2.52600000 ef Offset 2.46 dE	00 GHz	NT 1-D PNO: Fast ↔	H5 2480MH	Tz No-Hopping Alignauto Avg Type: Log-Pi	sweep 1.0 g Emiss ∾r	00 ms (1001 pts ion 05:22:48 PM Jun 05, 2023 TRACE [] 2:3 4 5 TRACE [] 3:3
Res BW 100 G RL RL C dB/div R C dB/div C dV	0 kHz Band Ed Analyzer - Swept SA Analyzer - Swept SA Analyzer - Swept SA 2.52600000 ef Offset 2.46 dBm ef 0ffset 2.46 dBm	00 GHz	NT 1-D PNO: Fast ↔	H5 2480MH	Tz No-Hopping Alignauto Avg Type: Log-Pi	sweep 1.0 g Emiss ∾r	Span 8.000 MH 00 ms (1001 pts iON 05:22:48 PM Jun 05, 2022 TRACE 12:34 5 TYPE MANNAN DEIP NNNN 12:480 0 GH: 7.904 dBn 12:46 dB
Res BW 100 a glent Spectrum / RL enter Frec 0 dB/div R 0 dB/div R 12.5 2.46 1 2.46	0 kHz Band Ed Analyzer - Swept SA Analyzer - Swept SA Analyzer - Swept SA 2.52600000 ef Offset 2.46 dBm ef 0ffset 2.46 dBm	00 GHz	NT 1-D PNO: Fast ↔	H5 2480MH	Tz No-Hopping Alignauto Avg Type: Log-Pi	sweep 1.0 g Emiss ∾r	00 ms (1001 pts ion 05:22:48 PM Jun 05, 202 TRACE [1:3:4:5 TRACE [1:3:4:5]
Res BW 100 g ilent Spectrum / RL enter Frec g g g g g g g g g g g g g	0 kHz Band Ed Analyzer - Swept SA RE 50 0 AC 1 2.52600000 ef Offset 2.46 dBm ef 22.46 dBm 0 GHz	00 GHz	NT 1-D	H5 2480MH	ALIGNAUTO AVG TYPE: Log-Pi Avg Hold: 100/100	Sweep 1.0 g Emiss wr Mkr1	00 ms (1001 pts iOn 05:22:48 PM Jun 05:202 TRACE [1:3:45 TRACE [1:3:45] TRACE [1:3:45 TRACE [1:3:45] TRACE [1:
Res BW 100 R L RL enter Frec 0 dB/div RL 0 dB/div RL 12.5 2.45 7.5 7.5 7.5 7.5 8.7 7.5 7.5 8.7 7.5 8.7 7.5 8.7 7.5 8.7 7.5 8.7 7.5 8.7 7.5 8.7 7.5 8.7 8.7 8.7 8.7 8.7 8.7 8.7 8.7	0 kHz Band Ed Analyzer - Swept SA F 50 x AC 1 2.52600000 ef Offset 2.46 dBm ef 22.46 dBm 0 GHz 0 GHz 0 kHz 1	2.480 0 GHz	NT 1-D PNO: Fast Gain:Low #VE 7.90	H5 2480MH	ALIGNAUTO AVG TYPE: Log-Pi Avg Hold: 100/100	Sweep 1.0 g Emiss wr Mkr1	00 ms (1001 pts iOn 05:22:48 PM Jun 05:2023 TRACE [] 2:3:4:5 TRACE [] 2:3:5 TRACE [] 2:3:5 TRA
Res BW 100 RL RL RL RL RL RL RL RL RL RL	0 kHz Band Ed Analyzer - Swept SA FF SO 2 AC 2.526000000 ef Offset 2.46 dB ef 22.46 dBm 0 GHz 0 kHz	2.480 0 GHz	NT 1-D PNO: Fast FGain:Low #VE ¥VE Y 7.90 -57.72 -57.73	H5 2480MH	ALIGNAUTO ALIGNAUTO Avg Type: Log-Pt Avg Hold: 100/100	Sweep 1.0	00 ms (1001 pts iOn 05:22:48 PM Jun 05:202 TRACE [1:3:4:5 TYPACE [1:3:4:5] TYPACE [1:3:4:5] T
Res BW 100 RL RL RL RL RL RL RL RL RL RL	0 kHz Band Ed Analyzer - Swept SA RE 50 2 AC 1 2.52600000 ef Offset 2.46 dBm ef 22.46 dBm 0 GHz 0 GHz 0 kHz 1	2.480 0 GHz	NT 1-D PN0: Fast 	H5 2480MH	ALIGNAUTO ALIGNAUTO Avg Type: Log-Pt Avg Hold: 100/100	Sweep 1.0	00 ms (1001 pts iOn 05:22:48 PM Jun 05:202 TRACE [1:3:4:5 TYPACE [1:3:4:5] TYPACE [1:3:4:5] T
Res BW 100 G RL enter Frec C C C C C C C C C C C C C	0 kHz Band Ed Analyzer - Swept SA FF SO 2 AC 2.526000000 ef Offset 2.46 dB ef 22.46 dBm 0 GHz 0 kHz	2.480 0 GHz	NT 1-D PNO: Fast FGain:Low #VE ¥VE Y 7.90 -57.72 -57.73	H5 2480MH	ALIGNAUTO ALIGNAUTO Avg Type: Log-Pt Avg Hold: 100/100	Sweep 1.0	00 ms (1001 pts iOn 05:22:48 PM Jun 05, 202 TRACE [1 2 3 4 5 TYPACE [1 3 4
Res BW 100         RL         enter Frec         0 dB/div         RL         0 dB/div         2.5         1.46         5.4         7.5 <td>0 kHz Band Ed Analyzer - Swept SA FF SO 2 AC 2.526000000 ef Offset 2.46 dB ef 22.46 dBm 0 GHz 0 kHz</td> <td>2.480 0 GHz</td> <td>NT 1-D PNO: Fast FGain:Low #VE ¥VE Y 7.90 -57.72 -57.73</td> <td>H5 2480MH</td> <td>ALIGNAUTO ALIGNAUTO Avg Type: Log-Pt Avg Hold: 100/100</td> <td>Sweep 1.0</td> <td>00 ms (1001 pts iOn 05:22:48 PM Jun 05, 202 TRACE [1 2 3 4 5 TYPACE [1 3 4</td>	0 kHz Band Ed Analyzer - Swept SA FF SO 2 AC 2.526000000 ef Offset 2.46 dB ef 22.46 dBm 0 GHz 0 kHz	2.480 0 GHz	NT 1-D PNO: Fast FGain:Low #VE ¥VE Y 7.90 -57.72 -57.73	H5 2480MH	ALIGNAUTO ALIGNAUTO Avg Type: Log-Pt Avg Hold: 100/100	Sweep 1.0	00 ms (1001 pts iOn 05:22:48 PM Jun 05, 202 TRACE [1 2 3 4 5 TYPACE [1 3 4

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			IVNI 2-I	DH5 2402	MHz No-H	opping	Rei	
K/ RL	trum Analyzer - Swept RF 50Ω 4 Freq 2.4020000	AC     DOO GHz P	SE NO: Wide ↔ Gain:Low	NSE:INT Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Avg Hold: 1		TR	PM Jun 05, 2023 ACE 1 2 3 4 5 YPE M WWWW DET P N N N N
10 dB/div	Ref Offset 2.57 d Ref 22.57 dB	dB				IV	1kr1 2.402 5.	156 GH 841 dBn
12.6					1			
2.57			- m	Amm	Mann			
7.43		- marken				a myour	ъ <u>,</u>	
17.4		r						
27.4								
	and						h h	٨ſ
37.4 <mark>/ Y</mark>	Mr.							Mrrv J
17.4								
57.4								
67.4								
	.402000 GHz							2.000 MH
SG	Band Ed trum Analyzer - Swept		NT 2-DH	5 2402MF	tz No-Hop	ping Ei	mission	
	RF 50 Ω A Freq 2.3560000	ac 000 GHz	SE PNO: Fast ↔→ Gain:Low	NSE:INT Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Avg Hold: 1	Log-Pwr 100/100	TR	ACE 1 2 3 4 5 YPE M WARAA
enter f		ac       000 GHz      F  F	PNO: Fast ↔	Trig: Free Run	Avg Type:	Log-Pwr 00/100	Mkr1 2.40	
0 dB/div	Freq 2.3560000	ac       000 GHz      F  F	PNO: Fast ↔	Trig: Free Run	Avg Type:	Log-Pwr 100/100	Mkr1 2.40	
0 dB/div 9 12.6 2.57	Freq 2.3560000	ac       000 GHz      F  F	PNO: Fast ↔	Trig: Free Run	Avg Type:	Log-Pwr 100/100	Mkr1 2.40	
<b>0 dB/div</b> <b>9 g</b> 12.6 2.57 7.43 17.4	Freq 2.3560000	ac       000 GHz      F  F	PNO: Fast ↔	Trig: Free Run	Avg Type:	Log-Pwr 100/100	Mkr1 2.40	ACE 12345 YPE MWWW DET P N N N 02 0 GH 708 dBr
<b>0 dB/div</b> <b>9 0</b> 12.6	Freq 2.3560000	ac       000 GHz      F  F	PNO: Fast ↔	Trig: Free Run	Avg Type:	Log-Pwr 100/100	Mkr1 2.40	ACE 12345 YPE MWWW DET P N N N 02 0 GH 708 dBr
O dB/div           12.6           2.57           7.43           17.4           27.4           37.4           47.4	Freq 2.3560000	ac       000 GHz      F  F	PNO: Fast ↔	Trig: Free Run	Avg Type:	Log-Pwr 000/100	Mkr1 2.40	ACE 12345 YPE MWWW DET P N N N 02 0 GH 708 dBr
0 dB/div 9 9 12.6 2.57 7.43 17.4 27.4 47.4 47.4 47.4	Freq 2.3560000	ac       000 GHz      F  F	PNO: Fast ↔	Trig: Free Run	Avg Type:	Log-Pwr 00/100	Mkr1 2.40	ACE 12345 YPE MWWW DET P N N N 02 0 GH 708 dBr
0 dB/div 9 g 12.6 7.43 7.43 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	Ref Offset 2.57 dB	ac       000 GHz      F  F	PNO: Fast ↔	Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold: /	0007100	Mkr1 2.4( 3. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	ACE [1 2 3 4 5 VPE[MINUMU DET [P N N N N 22 0 GH 708 dBr 708 dBr 1 -14 15 dE
0 dB/div 9 2 2.57 7.43 7.43 7.4 37.4 47.4 47.4 47.4 47.4	Ref Offset 2.57 dB Ref 22.57 dB	AC	PNO: Fast ↔ Gain:Low #VBW	Trig: Free Run #Atten: 30 dB	Avg Type:	0007100	Mkr1 2.40 3.	ACE [1 2 3 4 5 VPE[MINUMU DET [P N N N N 22 0 GH 708 dBr 708 dBr 1 -14 15 dE
0 dB/div 9 g 12.6 2.57 7.43 17.4 27.4 37.4 47.	Ref Offset 2.57 dB	AC	PNO: Fast ↔ Gain:Low #VBW 3.708 d -55.149 d	Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold: /	0007100	Mkr1 2.4( 3. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	
O         dB/div           0         dB/div           2         9           12.6         -           2.57         -           7.43         -           37.4         -           37.4         -           37.4         -           37.4         -           37.4         -           47.4         -           37.4         -           37.4         -           37.4         -           4         N           2         N           4         N           5         -	Ref Offset 2.57 dB	AC 000 GHz F F H dB m 2.402 0 GHz 2.400 0 GHz 2.400 0 GHz	PN0: Fast ↔ Gain:Low #VBM 3.708 d -55.149 d	Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold: /	0007100	Mkr1 2.4( 3. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	
0 dB/div 9 9 12.6 2.57 7.43 7.43 7.4 47.4 47.4 47.4 47.4 47.4	Ref Offset 2.57 dB	AC 000 GHz F F H dB m 2.402 0 GHz 2.400 0 GHz 2.400 0 GHz	PN0: Fast ↔ Gain:Low #VBM 3.708 d -55.149 d	Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold: /	0007100	Mkr1 2.4( 3. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	
0 dB/div 9 9 12.6 2.57 7.43 7.43 7.4 47.4 47.4 47.4 47.4 47.4	Ref Offset 2.57 dB	AC 000 GHz F F H dB m 2.402 0 GHz 2.400 0 GHz 2.400 0 GHz	PN0: Fast ↔ Gain:Low #VBM 3.708 d -55.149 d	Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold: /	0007100	Mkr1 2.4( 3. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	1

Shenzhen STS Test Services Co., Ltd.



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	Band	I Edge N	JVNT 2-[	DH5 2480I	MHz No-Hop	oing Ref	
	trum Analyzer - Swept RF 50 Ω 4			NSE:INT	ALIGNAUTO	05-40-26 DM	Jun 05, 2023
	Freq 2.4800000	000 GHz	PNO: Wide ↔→ FGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-F Avg Hold: 100/10	Wr TRACI ) TYP	1 2 3 4 5 6 M
10 dB/div Log	Ref Offset 2.46 d Ref 22.46 dB					Mkr1 2.479 8 6.56	46 GHz 58 dBm
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2.46		m	······································	H-ALAR	Maria mana may may	m	
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-17.5							
-27.5							
	Name					h	Low
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	.480000 GHz / 100 kHz		#\/B\M	300 kHz		Span 2. Sweep 1.000 ms (	000 MHz
MSG	100 KH2		#VDV4	300 KH2		Sweep 1.000 ms (	ioo i pis,
	Band E	dae NVI	NT 2-DH	5 2480MH	z No-Hoppin	a Emission	
	trum Analyzer - Swept	SA					
Center F	RF 50 Ω A Freq 2.5260000	000 GHz	PNO: Fast ↔→ FGain:Low	Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-F Avg Hold: 100/10	WIY TRACI ) TYP	Jun 05, 2023 1 2 3 4 5 6 M M M M M M P N N N N N
10 dB/div	Ref Offset 2.46	40					
Log	Pof 22/16 dB					Mkr1 2.479 5.52	
	Ref 22.46 dB						9 GHz 0 dBm
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12.5 2.46 -7.54	Ref 22.46 dB						
12.5	Ref 22.46 dB						0 dBm
12.5 2.46 -7.54 -17.5 -27.5 -37.5	Ref 22.46 dB						0 dBm
12.5 2.46 -7.54 -17.5 -27.5	Ref 22.46 dB						0 dBm
12.5 2.46 -7.54 -17.5 -27.5 -37.5 -47.5							0 dBm
12.5 2.46 -7.54 -17.5 -27.5 -37.5 -47.5 -67.5 Start 2.4			#vBW	1300 kHz			0 dBm -13.43 dBm
12.5 2.46 -7.54 -17.5 -27.5 -37.5 -47.5 -67.5 -5	7600 GHz / 100 KHz		Y	FUNCTION	FUNCTION WIDTH	5.52	0 dBm -13.43 dBm
12.5 2.46 -7.54 -7.5 -27.5 -37.5 -47.5 -57.5 -77	7600 GHz J 100 KHz	m 3 2.479 9 GHz 2.433 5 GHz 2.500 0 GHz	5.520 d -57.293 d -58.965 d	FUNCTION Bm 3m 3m		5.52 5.52 500 2.57 500 2.57 5weep 9.600 ms (1	-13.43 dBm
12.5 2.46 -7.54 -7.5 -27.5 -37.5 -47.5 -57.5 -77	7600 GHz / 100 KHz / 100 KHz	M	5.520 d -57.293 d -58.965 d	FUNCTION Bm 3m 3m		5.52 5.52 500 2.57 500 2.57 5weep 9.600 ms (1	-13.43 dBm
12.5 2.46 -7.54 -7.5 -27.5 -37.5 -47.5 -57.5 -57.5 -57.5 -57.5 -57.5 -57.5 -57.5 -57.5 -57.5 -57.5 -57.5 -57.5 -57.5 -77	7600 GHz J 100 KHz	m 3 2.479 9 GHz 2.433 5 GHz 2.500 0 GHz	5.520 d -57.293 d -58.965 d	FUNCTION Bm 3m 3m		5.52 5.52 500 2.57 500 2.57 5weep 9.600 ms (1	-13.43 dBm
12.5 2.46 -7.54 -17.5 -27.5 -37.5 -47.5 -57.5 <b>Start 2.4</b> <b>#Res BW</b> <b>Must Model</b> <b>1</b> <b>N</b> <b>2</b> <b>N</b> <b>3</b> <b>N</b> <b>4</b> <b>1</b> <b>N</b> <b>2</b> <b>N</b> <b>4</b> <b>1</b> <b>N</b> <b>5</b> <b>6</b> <b>6</b> <b>7</b> <b>1</b> <b>N</b> <b>2</b> <b>1</b> <b>N</b> <b>2</b> <b>1</b> <b>1</b> <b>N</b> <b>2</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b>	7600 GHz J 100 KHz	m 3 2.479 9 GHz 2.433 5 GHz 2.500 0 GHz	5.520 d -57.293 d -58.965 d	FUNCTION Bm 3m 3m		5.52 5.52 500 2.57 500 2.57 5weep 9.600 ms (1	-13.43 dBm
12.5 2.46 -7.54 -7.7.5 -27.5 -37.5 -47.5 -47.5 -57.5 Start 2.4 #Res BW Start 2.4 #Res BW 1 N 3 N 4 N 5 6 7 8 9	7600 GHz J 100 KHz	m 3 2.479 9 GHz 2.433 5 GHz 2.500 0 GHz	5.520 d -57.293 d -58.965 d	FUNCTION Bm 3m 3m		5.52 5.52 500 2.57 500 2.57 5weep 9.600 ms (1	0 dBm -13.43 dBm



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#### Report No.: STS2306300W02

<mark>ilent Spectrum Analyzer - Swep</mark> RL RF 50 Ω	AC		SENSE:INT	ALIGNAUTO		05:57:23	PM Jun 05, 2023
enter Freq 2.402000	P	NO: Wide 🔸	Trig: Free Run #Atten: 30 dB	Avg Type: L Avg Hold: 10	00/100	I	ACE 1 2 3 4 5 YPE MWWWW DET P N N N N
Ref Offset 2.57 dB/div Ref 22.57 dE					Mk	r1 2.401 5.	856 GH 489 dBr
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7.4							
enter 2.402000 GHz							0 000 MIL
Res BW 100 kHz	dge NVN		w 300 кнz 15 2402MH	Ko status Hz No-Hopp	-	1.000 ms	
Res BW 100 kHz B Band E Ilent Spectrum Analyzer - Swep RL RF 50 Q	AC	NT 3-DH	15 2402MH	IZ NO-HOPP Alignauto Avg Type: L	oing Em .₀g-₽wr	1.000 ms	PMJun 05, 202
Res BW 100 kHz G Band E ilent Spectrum Analyzer - Swep RL RF 50 Q enter Freq 2.356000	ESA AC     000 GHz  F  F	NT 3-DH	15 2402MH	HZ NO-HOPP	oing Em	1.000 ms ission 05:57:26 TR 1	PMJun 05, 202 ACE 1 2 3 4 5 YPE MWWWW DET  P N N N
Res BW 100 kHz G Band E Stent Spectrum Analyzer - Swept RL RF 50 & enter Freq 2.356000 Ref Offset 2.57 Ref 22.57 dB	AC   P 000 GHz IF dB		15 2402MH	IZ NO-HOPP Alignauto Avg Type: L	oing Em	1.000 ms ission 05:57:26	PMJun 05, 202 ACE 1 2 3 4 5 YPE MWWW DET P N N N DET P N N N
Res BW 100 kHz G Band E ilent Spectrum Analyzer Swep RL RF 50 Ω enter Freq 2.356000 Ref Offset 2.57 Ref 22.57 dE 2.6	AC   P 000 GHz IF dB		15 2402MH	IZ NO-HOPP Alignauto Avg Type: L	oing Em	1.000 ms ission 05:57:26	PMJun 05, 202 ACE 1 2 3 4 5 YPE MWWW DET P N N N DET P N N N
Res BW 100 kHz           g           Band E           illent Spectrum Analyzer - Swept           RL         RF           RE         50 Ω           enter Freq 2.356000           OdB/div         Ref Offset 2.57 dE           2.6	AC   P 000 GHz IF dB		15 2402MH	IZ NO-HOPP Alignauto Avg Type: L	oing Em	1.000 ms ission 05:57:26	(1001 pts PMJan 05, 202 ACE 12 3 4 5 YPE MMMMM DET P NNNN D2 1 GH 380 dBn
Res BW 100 kHz           g           Band E           Ident Spectrum Analyzer - Swepp           RL         RF         S0 9           enter Freq 2.356000         Ref Offset 2.57           D dB/div         Ref 22.57 dE           26	AC   P 000 GHz IF dB		15 2402MH	IZ NO-HOPP Alignauto Avg Type: L	oing Em	1.000 ms ission 05:57:26	(1001 pts PMJan 05, 202 ACE 12 3 4 5 YPE MMMMM DET P NNNN D2 1 GH 380 dBn
Res BW 100 kHz           G           Band E           Ident Spectrum Analyzer – Sweep           RE         PR         50 9           enter Freq 2.356000           Ref Offset 2.57 dE           0 dB/div         Ref 22.57 dE           0 dB/div         Ref 22.57 dE           0 d7.4	AC   P 000 GHz IF dB		15 2402MH	IZ NO-HOPP Alignauto Avg Type: L	oing Em	1.000 ms iSSion 05:57:26 TR 7 Mkr1 2.40 3.0	(1001 pt: PMJun 05,202 ACE[12:345 PE[PMINNN DET [P NNNN DET [P NNNNN DET [P NNNN DET [P NNNNN DET [P NNNN DET [P NNNNN DET [P NNNNNN DET [P NNNNNN DET [P NNNNNN DET [P NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Res BW 100 kHz           g           Band E           Itent Spectrum Analyzer Swept           RL         PF           PR         PF           OdB/div         Ref Offset 2.57 dB           OdB/div         Ref 22.57 dB           C         2.57           7.4	AC   P 000 GHz IF dB		15 2402MH	IZ NO-HOPP Alignauto Avg Type: L	oing Em	1.000 ms ission 05:57:26	(1001 pts PMJan 05, 202 ACE 1 2 3 4 5 YPE M WWWW DET P N N N N 22 1 GH 380 dBn 1-
Res BW 100 kHz           g           Band E           Illent Spectrum Analyzer - Swept           RL         RF         S0 a           enter Freq 2.356000         Ref Offset 2.57         Ref 22.57 dE           OdB/div         Ref 22.57 dE         A         A           7.4         A         A         A	AC   P 000 GHz IF dB		15 2402MH	IZ NO-HOPP Alignauto Avg Type: L	og-Pwr 00/100	1.000 ms iSSion 05:57:26 TR 7 Akr1 2.40 3.0	(1001 pt: PMJun 05,202 ACE [1 2 3 4 5 VPE[M NNNN DET [P NNNNN DET [P NNNNNN DET [P NNNNNN DET [P NNNNNN DET [P NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Res BW 100 kHz           g           Band E           Band E           Itent Spectrum Analyzer - Swept           RL         RF         S0 @           enter Freq 2.356000         Ref Offset 2.57         G           D dB/div         Ref 22.57 dE         G         G           2.6	AC   P 000 GHz IF dB	NO: Fast	H5 2402MH	ALIGNAUTO ALIGNAUTO Avg Type: L AvgIHold: 10	og-Pwr 100/100	1.000 ms	(1001 pts PM Jun 05,202 ACE 12 3 4 5 PM Jun 05,202 ACE 12 3 4 5 ACE 12 3 4 5 ACE 12 3 4 5 ACE 12 3 4 5 ACE 12 4 ACE
Res BW 100 kHz         G         Band E         Itent Spectrum Analyzer Swep         RL       RF       50 &         Ref Offset 2.57 dE         0 dB/div       Ref Offset 2.57 dE         0 dB/div       Ref 22.57 dE         1 div       Ref 22.57 dE	SA           AC           0000 GHz           F           IF           dB           Sm           IF           dB           Sm           IF           AC           IF           B           Sm           IF           AC           IF           IF	NO: Fast Gain:Low #VB	HS 2402MH	IZ NO-HOPP Alignauto Avg Type: L	og-Pwr 100/100	1.000 ms iSSiOn 05:57:26 Tr 7 Akr1 2.40 3.0 3.0 5 top 2.4	(1001 pt: PM Jun 05,202 ACE 12 34 5 PPE IM Jun 05,202 ACE 12 34 5 ACE 12
Res BW 100 kHz         G         Band E         Itent Spectrum Analyzer Swep         RL       RF       50 &         Ref Offset 2.57 dE         0 dB/div       Ref Offset 2.57 dE         0 dB/div       Ref 22.57 dE         1 div       Ref 22.57 dE	2.402 1 GHz	NO: Fast Gain:Low #VB1 #VB1 3.680	HS 2402MH	ALIGNAUTO ALIGNAUTO Avg Type: L AvgIHold: 10	og-Pwr 100/100	1.000 ms	(1001 pt: PM Jun 05,202 ACE 12 34 5 PPE IM Jun 05,202 ACE 12 34 5 ACE 12
RE BW 100 kHz         Band E         Ilent Spectrum Analyzer Swept         RE Source Sector         Ref Offset 2.57 dE	SA           AC           AC           0000 GHz           F           IF           dB           3m           2.402 1 GHz           2.400 0 GHz           2.400 0 GHz	NO: Fast →NO: Fast Gain:Low #VB #VB 3.680 -58.151	HS 2402MH	ALIGNAUTO ALIGNAUTO Avg Type: L AvgIHold: 10	og-Pwr 100/100	1.000 ms	(1001 pt: PM Jun 05,202 ACE 12 34 5 PPE IM Jun 05,202 ACE 12 34 5 ACE 12
Res BW 100 kHz           Band E           Band E           RL         Ref Offset 2.57           Ref Offset 2.57 dE           OdB/div         Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Colspa="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspa="	SA           AC           AC           0000 GHz           F           IF           dB           3m           2.402 1 GHz           2.400 0 GHz           2.400 0 GHz	NO: Fast →NO: Fast Gain:Low #VB #VB 3.680 -58.151	HS 2402MH	ALIGNAUTO ALIGNAUTO Avg Type: L AvgIHold: 10	og-Pwr 100/100	1.000 ms	PM Jun 05, 202 ACE 1 2 3 4 5 YPE IM WWWWW DET P NN NN 380 dBn 1 -1 4 0 db 1 -1 4 0 db 1 -1 4 0 db

A 1/F, Building B, Zhuoke Science Park, No. 190 Chongqing Road, HepingShequ, Fuyong Sub-District, Bao'an District, Shenzhen, Guang Dong, China Tel: +86-755 3686 6288 Fax:+86-755 3686 6277 Http://www.stsapp.com E-mail: sts@stsapp.com



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#### Report No.: STS2306300W02

		nd Edge	NVNI 3	5 8110 2 100		-11 3		
gilent Spectr	r <mark>um Analyzer - S</mark> RF 50	wept SA Ω AC		SENSE:INT	ALIGN AUTO		06:01:39 P	M Jun 05, 2023
enter F	req 2.4800	000000 GHz	PNO: Wide ← IFGain:Low	► Trig: Free Run #Atten: 30 dB	Avg Type: L Avg Hold: 10	_og-Pwr 00/100	TY	CE 12345 PE MWWWWW ET P NNNN
) dB/div	Ref Offset 2 Ref 22.46					Mk	r1 2.480 ( 7.3	)08 GH 74 dBn
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7.5 Mr.M	mand	"hogen"					hor partition	vin m
7.5								
Res BW	480000 GHz 100 kHz	2	#V	BW 300 kHz	STATUS	Sweep	Span 8 1.000 ms (	
Res BW	100 кнz Band	Edge NV			testatus Hz No-Hopp		1.000 ms (	
Res BW G ilent Spectr	100 kHz Band rum Analyzer - So RF 50	Edge NV wept SA Ω AC				bing Em	1.000 ms ( ission 06:01:42 Pl	1001 pts
Res BW G ilent Spectr	100 kHz Band rum Analyzer - So RF 50	Edge NV		H5 2480M	Hz No-Hopp	oing Em ₋₀g-Pwr	1.000 ms ( ISSION 06:01:42 PI TRAC	1001 pts MJun 05, 202 E 12 3 4 5 FE M
Res BW G ilent Spectr RL enter F O dB/div	100 kHz Band rum Analyzer - So RF 50	Edge NV <sup>Ω</sup> AC 000000 GHz 2.46 dB	NT 3-D	9H5 2480MI SENSE:INT → Trig: Free Run	HZ NO-HOPP ALIGNAUTO Avg Type: I	oing Em	1.000 ms ( ission 06:01:42 Pl TRAC TY D Akr1 2.480	1001 pt 1001 pt 100
Res BW	100 kHz Band rum Analyzer - So RF 50 req 2.5260	Edge NV <sup>Ω</sup> AC 000000 GHz 2.46 dB	NT 3-D	9H5 2480MI SENSE:INT → Trig: Free Run	HZ NO-HOPP ALIGNAUTO Avg Type: I	oing Em	1.000 ms ( ission 06:01:42 Pl TRAC TY D Akr1 2.480	1001 pt 1001 pt 100
Res BW G g g g g g g g g g g g g g	100 kHz Band rum Analyzer - So RF 50 req 2.5260	Edge NV <sup>Ω</sup> AC 000000 GHz 2.46 dB	NT 3-D	9H5 2480MI SENSE:INT → Trig: Free Run	HZ NO-HOPP ALIGNAUTO Avg Type: I	oing Em	1.000 ms ( ission 06:01:42 Pl TRAC TY D Akr1 2.48	1001 pt 1001 pt 100
G ilent Spectr RL enter F 0 dB/div 0 dB/div 0 dS/div 0 dS/d	100 kHz Band rum Analyzer - So RF 50 req 2.5260	Edge NV <sup>Ω</sup> AC 000000 GHz 2.46 dB	NT 3-D	9H5 2480MI SENSE:INT → Trig: Free Run	HZ NO-HOPP ALIGNAUTO Avg Type: I	oing Em	1.000 ms ( ission 06:01:42 Pl TRAC TY D Akr1 2.48	MJun 05, 202 27 112 3 4 5 27 12 4 5 12 12 12 12 12 12 12 12 12 12 12 12 12 1
Res BW gilent Spectr RL enter F 0 dB/div 0 g 2.46 7.54 17.5	100 kHz Band rum Analyzer - So RF 50 req 2.5260	Edge NV <sup>Ω</sup> AC 000000 GHz 2.46 dB	NT 3-D	9H5 2480MI SENSE:INT → Trig: Free Run	HZ NO-HOPP ALIGNAUTO Avg Type: I	oing Em	1.000 ms ( ission 06:01:42 Pl TRAC TY D Akr1 2.48	MJun 05, 202 27 112 3 4 5 27 12 4 5 12 12 12 12 12 12 12 12 12 12 12 12 12 1
G G G G C C C C C C C C C C C C C	100 kHz Band rum Analyzer - So RF 50 req 2.5260	Edge NV <sup>Ω</sup> AC 000000 GHz 2.46 dB	NT 3-D	9H5 2480MI SENSE:INT → Trig: Free Run	HZ NO-HOPP ALIGNAUTO Avg Type: I	oing Em	1.000 ms ( ission 06:01:42 Pl TRAC TY D Akr1 2.48	MJun 05, 202 27 12 3 4 5 6 MWWWW 6 MWWWW 6 MWWWW 7 0 2 GH 17 dBn
Res BW G RL C dB/div C	100 kHz Band rum Analyzer - So RF 50 req 2.5260	Edge NV <sup>Ω</sup> AC 0 000000 GHz 2.46 dB dBm	NT 3-D	9H5 2480MI SENSE:INT → Trig: Free Run	HZ NO-HOPP ALIGNAUTO Avg Type: I	oing Em	1.000 ms ( ission 06:01:42 Pl TRAC TY D Akr1 2.48	MJun 05, 202 27 12 3 4 5 6 MWWWW 6 MWWWW 6 MWWWW 7 0 2 GH 17 dBn
Res BW a glient Specto RL glient Specto	100 kHz Band rum Analyzer - So RF 50 req 2.5260	Edge NV <sup>Ω</sup> AC 000000 GHz 2.46 dB	NT 3-D	9H5 2480MI SENSE:INT → Trig: Free Run	HZ NO-HOPP ALIGNAUTO Avg Type: I	oing Em	1.000 ms ( ission 06:01:42 Pl TRAC TY D Akr1 2.48	(1001 pts (1001 pts (12 3 4 5 ref (12 3 4
Res BW	100 kHz Band rum Analyzer - So RF 50 req 2.5260	Edge NV <sup>Ω</sup> AC 0 000000 GHz 2.46 dB dBm	NT 3-D	9H5 2480MI SENSE:INT → Trig: Free Run	HZ NO-HOPP ALIGNAUTO Avg Type: I	oing Em	1.000 ms ( ission 06:01:42 Pl TRAC TY D Akr1 2.48	MJun 05, 202 27 12 3 4 5 6 MWWWW 6 MWWWW 6 MWWWW 7 0 2 GH 17 dBn
Res BW glent Spectr RL enter F 0 dB/div 9 0 dB/div 9 12.5 12.	100 kHz Band rum Analyzer - So RF 50 req 2.5260	Edge NV <sup>Ω</sup> AC 0 000000 GHz 2.46 dB dBm	PNO: Fast FIFGain:Low	9H5 2480MI SENSE:INT → Trig: Free Run	HZ NO-HOPP ALIGNAUTO Avg Type: I	og-Pwr Dor/100	1.000 ms ( ission 06:01:42 Pl TRAC TY D Akr1 2.48	(1001 pts) (1001 pts)
Res BW rilent Specto RL enter F 0 dB/div 9 9 12.5 2.46 4.4 7.54 7.54 7.54 7.55 7.5	100 kHz Band rum Analyzer - So req 2.5260 Ref Offset 2 Ref 22.46 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Edge NV wept SA 2 AC   2.46 dB dBm dBm 4 4 4 4 3 4 4 3 4 4 4 3 4 4 4 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4	VNT 3-D PNO: Fast → IFGain:Low #V	PH5 2480MI SENSE:INT → Trig: Free Run #Atten: 30 dB	HZ NO-HOPP ALIGNAUTO Avg Type: I	og-Pwr Doritoo	1.000 ms ( iSSiOn 06:01:42 Pl TRAK TY D Alkr1 2.488 7.3	M3un 05, 2023 ≆ 12 3 4 5 re[M × N × N × N D 2 GH; 17 dBn -12.63 dBn -12.63 dBn -12.63 dBn
Res         BW           Ident         Spectr           RL         RL           enter         F           0         dB/div           0         gg/div	100 kHz Band rum Analyzer - S Ref Offset 2 Ref Offset 2 Ref 22.46	Edge NV wept SA 2 AC 2.46 dB dBm 2.46 dB 4 2.46 dB 4 2.480 2 GH	/NT 3-D PNO: Fast - IFGain:Low #V	PH5 2480MI SENSE:INT → Trig: Free Run #Atten: 30 dB BW 300 kHz FUNCTION 17 dBm	Hz No-Hopp	og-Pwr Doritoo	1.000 ms ( iSSION 06:01:42 PI TRAK TRA	(1001 pts (1001 pts (1203 db (1203 db (120
Res         BW           Ident         Spectr           RL         RL           enter         F           0         dB/div           0         gg/div	100 kHz Band rum Analyzer - So req 2.5260 Ref Offset 2 Ref 22.46 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Edge NV wept SA 2 AC   2.46 dB dBm 46 dB 48 d	/NT 3-D	SENSE:INT SENSE:INT → Trig: Free Run #Atten: 30 dB Atten: 30 dB BW 300 kHz FUNCTION	Hz No-Hopp	og-Pwr Doritoo	1.000 ms ( iSSiOn 06:01:42 Pl TRA TRA TRA TRA TRA TRA TRA TRA	(1001 pts) (1001 pts)
Res         BW           Ident         Spectr           RL         RL           enter         F           0         dB/div           0         gg/div	100 kHz Band rum Analyzer - S Ref 0ffset 2 Ref 0ffset 2 Ref 22.46 1	Edge NV wept SA 2 AC   200000 GHz 2.46 dB dBm 4 2.46 dB 4 3 4 4 3 4 4 3 4 4 3 4 4 3 4 4 3 4 4 4 3 4 4 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4	/NT 3-D	PH5 2480MI SENSE:INT   → Trig: Free Run #Atten: 30 dB	Hz No-Hopp	og-Pwr Doritoo	1.000 ms ( iSSiOn 06:01:42 Pl TRA TRA TRA TRA TRA TRA TRA TRA	(1001 pts) (1001 pts)
Res         BW           Ident Spectron         RL           RL         Ident Spectron           0         0           12.5         Ident Spectron           12.5         Ident Spectron           1         N           1         N           2         N           3         N	100 kHz Band rum Analyzer - S Ref 0ffset 2 Ref 0ffset 2 Ref 22.46 1	Edge NV wept SA 2 AC   200000 GHz 2.46 dB dBm 4 2.46 dB 4 3 4 4 3 4 4 3 4 4 3 4 4 3 4 4 3 4 4 4 3 4 4 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4	/NT 3-D	PH5 2480MI SENSE:INT   → Trig: Free Run #Atten: 30 dB	Hz No-Hopp	og-Pwr Doritoo	1.000 ms ( iSSiOn 06:01:42 Pl TRA TRA TRA TRA TRA TRA TRA TRA	(1001 pts) (1001 pts) (1001 pts) (1005 202 (1005 205 (1005 205 (10
Res         BW           ilent Spectr         RL           RL         enter F           0 dB/div         9           2.5         0           2.46         0           5.4         0           9         0           1         N           2         1           1         N           2         1           2         7.5           7.5         0           1         N           2         N           3         N           4         N           6         7           8         0	100 kHz Band rum Analyzer - S Ref 0ffset 2 Ref 0ffset 2 Ref 22.46 1	Edge NV wept SA 2 AC   200000 GHz 2.46 dB dBm 4 2.46 dB 4 3 4 4 3 4 4 3 4 4 3 4 4 3 4 4 3 4 4 4 3 4 4 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4	/NT 3-D	PH5 2480MI SENSE:INT   → Trig: Free Run #Atten: 30 dB	Hz No-Hopp	og-Pwr Doritoo	1.000 ms ( iSSiOn 06:01:42 Pl TRA TRA TRA TRA TRA TRA TRA TRA	(1001 pts) (1001 pts) (1001 pts) (1005 202 (1005 205 (1005 205 (10
Res       BW         ilent Spectri       RL         enter F       Image: Spectric spectres spectre spectric spectric spectric spectric spectric spectric s	100 kHz Band rum Analyzer - S Ref 0ffset 2 Ref 0ffset 2 Ref 22.46 1	Edge NV wept SA 2 AC   2 AC   2 AG dB dBm 4 4 4 4 3 4 4 3 4 4 3 4 4 3 4 4 3 4 4 3 4 4 4 3 4 4 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4	/NT 3-D	PH5 2480MI SENSE:INT   → Trig: Free Run #Atten: 30 dB	Hz No-Hopp	og-Pwr Doritoo	1.000 ms ( iSSiOn 06:01:42 Pl TRA TRA TRA TRA TRA TRA TRA TRA	(1001 pts) (1001 pts)

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## 8. Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Hopping	-63.47	<=-20	Pass
NVNT	1-DH5	2480	Hopping	-64.04	<=-20	Pass
NVNT	2-DH5	2402	Hopping	-61.7	<=-20	Pass
NVNT	2-DH5	2480	Hopping	-62.84	<=-20	Pass
NVNT	3-DH5	2402	Hopping	-64.01	<=-20	Pass
NVNT	3-DH5	2480	Hopping	-63.83	<=-20	Pass



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ilent Spectrum Analyzer - S RL RF 50	wept SA Ω AC	SE	NSE:INT	ALIGN AUTO	05:25:19 PM Jun 05, 20;
enter Freq 2.4020	Р	NO: Wide 🔸	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwi Avg Hold: 2000/2000	
Ref Offset 2 dB/div Ref 22.57					Mkr1 2.405 072 GF 7.245 dB
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Res BW 100 kHz	_				weep 1.000 ms (1001 pt
Res BW 100 kHz Band Ed	lge(Hoppin				weep 1.000 ms (1001 pt
Res BW 100 kHz Band Ed Silent Spectrum Analyzer - S RL RF 50	lge(Hoppin wept SA Ω AC	ig) NVN⁻		402MHz Hopp	weep 1.000 ms (1001 pt ing Emission
Res BW 100 kHz Band Ed Silent Spectrum Analyzer - S RL RF 50	Ige(Hoppin wept SA 2 AC D000000 GHz	I <b>g) NVN<sup>−</sup></b> SE PN0: Fast →	T 1-DH5 24	402MHz Hopp	weep 1.000 ms (1001 pt ing Emission 05:25:51 PM.hn 05, 20 TRACE 1 2 3 4
Res BW 100 kHz Band Ed gilent Spectrum Analyzer - S RL RF 500 enter Freq 2.3560 Ref Offset2	Ige(Hoppin <sup>2</sup> AC 000000 GHz	ig) NVN⁻ s∈	T 1-DH5 24	402MHz Hopp	weep         1.000 ms (1001 pt           ing Emission           05:25:51 PM.3un 05, 20.           TTARCE 12 34 41           TYPEE MARK           Mkr1 2.405 0 GH
Res BW 100 kHz Band Ed Band Ed Silent Spectrum Analyzer - S RL RF SO enter Freq 2.356C O dB/div Ref Offset 2 O dB/div Ref 22.57 S	Ige(Hoppin <sup>2</sup> AC 000000 GHz	I <b>g) NVN<sup>−</sup></b> SE PN0: Fast →	T 1-DH5 24	402MHz Hopp	weep 1.000 ms (1001 pt ing Emission 05:25:51 PM Jun 05, 20 TRACE 12 3 4 1 TYPE MWWWW DET P N N 11
Res BW 100 kHz           Band Ed           Band Ed           glient Spectrum Analyzer - S           RL         RF         SO           enter Freq 2.356C         Ref Offset2         Ref 22.57           og         12.6         Ref 22.57         Ref 22.57	Ige(Hoppin <sup>2</sup> AC 000000 GHz	I <b>g) NVN<sup>−</sup></b> SE PN0: Fast →	T 1-DH5 24	402MHz Hopp	weep         1.000 ms (1001 pt           ing Emission         05:25:51 PM.3un 05, 20           Trace I 2 34 4         12 34 4           TYPE MARK         TYPE MARK           Mkr1 2.405 0 GH         0
Res BW 100 kHz           Band Ed           Band Ed           glient Spectrum Analyzer - S           RL         RF         SO           enter Freq 2.356C           Ref Offset2           O dB/div         Ref Offset2         Ref 22.57           22         257         257         257	Ige(Hoppin <sup>2</sup> AC 000000 GHz	I <b>g) NVN<sup>−</sup></b> SE PN0: Fast →	T 1-DH5 24	402MHz Hopp	weep         1.000 ms (1001 pt           ing Emission         05:25:51 PM.3un 05, 20           Trace I 2 34 4         12 34 4           TYPE MARK         TYPE MARK           Mkr1 2.405 0 GH         0
Res BW 100 kHz G Band Ed glent Spectrum Analyzer - S RL RF SO enter Freq 2.3560 0 dB/div Ref 0ffset2 0 dB/div Ref 22.57 0 d 12.6 7.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1	Ige(Hoppin <sup>2</sup> AC 000000 GHz	I <b>g) NVN<sup>−</sup></b> SE PN0: Fast →	T 1-DH5 24	402MHz Hopp	weep         1.000 ms (1001 pt           ing Emission         05:25:51 PM Jun 05, 20           State         TRACE 12.34.4           Mkr1 2.405 0 GH         7.941 dB
Res BW 100 kHz G Band Ed glent Spectrum Analyzer - S RL RF   50 enter Freq 2.3560 0 dB/div Ref 0ffset2 0 dB/div Ref 22.57 0 d 12.6 7.4 1.7 4.4 1.7 4.4 1.7 4.4 1.7 4.4 1.7 4.4 1.7 4.4 1.7 4.4 1.7 4.4 1.7 4.4 1.7 4.4 1.7 4.4 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	Ige(Hoppin <sup>2</sup> AC 000000 GHz	I <b>g) NVN<sup>−</sup></b> SE PN0: Fast →	T 1-DH5 24	402MHz Hopp	weep         1.000 ms (1001 pt           ing Emission         05:25:51 PM Jun 05, 20           State         TRACE 12.34.4           Mkr1 2.405 0 GH         7.941 dB
Res BW 100 kHz           3G           Band Ed           glent Spectrum Analyzer - S           RL         RF           Ref Offset2           0 dB/div           Ref Offset2           25           7.43           17.4           37.4	Ige(Hoppin <sup>2</sup> AC 000000 GHz	I <b>g) NVN<sup>−</sup></b> SE PN0: Fast →	T 1-DH5 24	402MHz Hopp	weep         1.000 ms (1001 pt           ing Emission         05:25:51 PM Jun 05, 20           05:25:51 PM Jun 05, 20         12 3:41           05:25:51 PM Jun 05, 20         TYREE [12 3:44           05:25:51 PM Jun 05, 20         TYREE [12 3:44           06:27:27:28         TYREE [12 3:44           07:28:41         Mkr1 2.405 0 GH           7:341         4B1
Res BW 100 kHz           3G           Band Ed           glient Spectrum Analyzer - S           RL         RF           Ref Offset2           0 dB/div           Ref Offset2           0 dB/div           Ref Offset3           12.6           2.57           7.43           7.44           7.45	Ige(Hoppin <sup>2</sup> AC 000000 GHz	I <b>g) NVN<sup>−</sup></b> SE PN0: Fast →	T 1-DH5 24	402MHz Hopp	weep         1.000 ms (1001 pt           ing Emission         05:25:51 PM Jun 05, 20           State         TRACE 12.34.4           Mkr1 2.405 0 GH         7.941 dB
Res BW 100 kHz           Band Ed           Band Ed           Band Ed           RL         RF           RG           Band Ed           Ref Offset2           Band Ed           Band Ed           Band Ed           Ref Offset2           Band Ed           Band Ed     <	Ige(Hoppin <sup>2</sup> AC 000000 GHz	I <b>g) NVN<sup>−</sup></b> SE PN0: Fast →	T 1-DH5 24	402MHz Hopp	weep 1.000 ms (1001 pt ing Emission 05:25:51 PM Jun 05, 20 5 TRACE [12 3 4 4 5 TRACE [12 3 4 4 05 TRACE [12 3 4 4 12 4
Res BW 100 kHz           Band Ed           Rt         RF         90           Ref Offset2         Ref Offset2         Ref 22:57           G         Ref 22:57         Ref 22:57           G         R         Ref 22:57           G <t< td=""><td>Ige(Hoppin <sup>2</sup> AC 000000 GHz</td><td>g) NVN</td><td>T 1-DH5 24</td><td></td><td>weep         1.000 ms (1001 pt           ing Emission         05:25:51 PM Jun 05, 20           05:25:51 PM Jun 05, 20         12 3:41           05:25:51 PM Jun 05, 20         TYREE [12 3:44           05:25:51 PM Jun 05, 20         TYREE [12 3:44           06:27:27:28         TYREE [12 3:44           07:28:41         Mkr1 2.405 0 GH           7:341         4B1</td></t<>	Ige(Hoppin <sup>2</sup> AC 000000 GHz	g) NVN	T 1-DH5 24		weep         1.000 ms (1001 pt           ing Emission         05:25:51 PM Jun 05, 20           05:25:51 PM Jun 05, 20         12 3:41           05:25:51 PM Jun 05, 20         TYREE [12 3:44           05:25:51 PM Jun 05, 20         TYREE [12 3:44           06:27:27:28         TYREE [12 3:44           07:28:41         Mkr1 2.405 0 GH           7:341         4B1
Res BW 100 kHz           Band Ed           Band Ed           RL         Ref Offset2           Ref Offset2           Colspan="2">Glob/div         Ref Offset2           Colspan="2">Colspan="2"           Colspan="2">Colspan="2"           Colspan="2"	Ige(Hoppin ∞ AC     000000 GHz   2.57 dB dBm	g) NVN <sup>-</sup> SE PNO: Fast →→ Gain:Low #VBM	T 1-DH5 2:		weep         1.000 ms (1001 pt           ing Emission         05:25:51 PM Jun 05, 20           TRACE         12:34 4           Deriver PNNNI         Mkr1 2.405 0 GH           7.941 dBi         12:34 4           -12:84         -12:84           -3         -2           Stop 2.40600 GH         -4000 GH
Res BW 100 kHz           Band Ed           Band Ed           Ref Offset2           Ref Offset2           OdB/div         Ref Offset2           Offset2           OdB/div         Ref Offset2           Offset2           OdB/div         Ref Offset2           Offset2           OdB/div         Ref Offset2           Offset3           OdB/div         Ref Offset2           OdB/div         Ref Offset2           OdB/div         Adv           Adv         Adv           Adv         Adv           Adv         Adv           Adv         Adv           Adv         Adv           Adv <td>Ige(Hoppin wept SA 2 AC     1000000 GHz 2.57 dB 4Bm 2.57 dB 4 2.57 dB 2.57 dB 4 2.50 GHz 2.400 0 GHz 2.400 0 GHz 2.400 0 GHz 2.300 0 GHz</td> <td>(g) NVN PRO: Fast → Gain:Low #VBW 7.941 d -56.875 d -58.844 d</td> <td>T 1-DH5 2:</td> <td>ALIGNAUTO Avg Type: Log-Pwi Avg Hold: 2000/2000</td> <td>weep         1.000 ms (1001 pt           ing Emission         05:25:51 PM Jun 05, 20.           05:25:51 PM Jun 05, 20.         TRACE [12:34]           06:12:34 Jun 05, 20.         TRACE [12:34]           07:941 dBl         -13:89           -13:89         -13:89           03:32         -2           5:50:52.40600 GF         Stop 2.40600 GF           weep         9.600 ms (1001 pt</td>	Ige(Hoppin wept SA 2 AC     1000000 GHz 2.57 dB 4Bm 2.57 dB 4 2.57 dB 2.57 dB 4 2.50 GHz 2.400 0 GHz 2.400 0 GHz 2.400 0 GHz 2.300 0 GHz	(g) NVN PRO: Fast → Gain:Low #VBW 7.941 d -56.875 d -58.844 d	T 1-DH5 2:	ALIGNAUTO Avg Type: Log-Pwi Avg Hold: 2000/2000	weep         1.000 ms (1001 pt           ing Emission         05:25:51 PM Jun 05, 20.           05:25:51 PM Jun 05, 20.         TRACE [12:34]           06:12:34 Jun 05, 20.         TRACE [12:34]           07:941 dBl         -13:89           -13:89         -13:89           03:32         -2           5:50:52.40600 GF         Stop 2.40600 GF           weep         9.600 ms (1001 pt
Res BW 100 kHz           Band Ed           Band Ed           RL RF SBC           Ref Offset2           OdB/div Ref 22.57           OdB/div Ref 23.560           OdB/div Ref 23.560           OdB/div Ref 23.560           OdB/div Ref 23.560           <	Ige(Hoppin           wept SA           & AC           000000 GHz           I           I           2.57 dB           dBm           4           2.405 0 GHz           2.400 0 GHz	(g) NVN PRO: Fast → Gain:Low #VBW 7.941 d -56.875 d -58.844 d	T 1-DH5 2:	ALIGNAUTO Avg Type: Log-Pwi Avg Hold: 2000/2000	weep         1.000 ms (1001 pt           ing Emission         05:25:51 PM Jun 05, 20.           05:25:51 PM Jun 05, 20.         TRACE [12 3 4 1]           05:25:51 PM Jun 05, 20.         TRACE [12 3 4 1]           05:25:51 PM Jun 05, 20.         TRACE [12 3 4 1]           05:25:51 PM Jun 05, 20.         TRACE [12 3 4 1]           05:25:51 PM Jun 05, 20.         TRACE [12 3 4 1]           06:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           06:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20. </td
glient Spectrum Analyzer S           RL         RF         S0           Center Freq 2.3560         Sector         So           Ref Offset 2           0 dB/div         Ref 22.57           12         -         -           2.57         -         -           7.43         -         -           7.43         -         -           7.43         -         -           7.43         -         -           7.43         -         -           7.43         -         -           7.43         -         -           7.44         -         -           7.4         -         -           7.4         -         -           7.4         -         -           7.4         -         -           7.4         -         -           7.4         -         -           7.4         -         -           7.4         -         -           7.4         -         -           7.4         -         -           7.4         -         -	Ige(Hoppin wept SA 2 AC     1000000 GHz 2.57 dB 4Bm 2.57 dB 4 2.57 dB 2.57 dB 4 2.50 GHz 2.400 0 GHz 2.400 0 GHz 2.400 0 GHz 2.300 0 GHz	(g) NVN PRO: Fast → Gain:Low #VBW 7.941 d -56.875 d -58.844 d	T 1-DH5 2:	ALIGNAUTO Avg Type: Log-Pwi Avg Hold: 2000/2000	weep         1.000 ms (1001 pt           ing Emission         05:25:51 PM Jun 05, 20.           05:25:51 PM Jun 05, 20.         TRACE [12 3 4 1]           05:25:51 PM Jun 05, 20.         TRACE [12 3 4 1]           05:25:51 PM Jun 05, 20.         TRACE [12 3 4 1]           05:25:51 PM Jun 05, 20.         TRACE [12 3 4 1]           05:25:51 PM Jun 05, 20.         TRACE [12 3 4 1]           06:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           06:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20.         TRACE [12 3 4 1]           07:12 PM Jun 05, 20. </td



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Algebra Versions Analyzers Seed SA Center Freq 2.480000000 GHz Freq 2.4800 Gender Ref 22.46 dBm Ref Offset 2.46 dB Ref 22.46 dBm Center Freq 2.48000000 GHz Ref Offset 2.46 dB Ref 22.46 dBm Center Laboratory Seed SA See Differ Laboratory See	RL         RF         50 Ω         AC           Center Freq 2.480000000 G         Ref Offset 2.46 dB         Ref 22.46 dB         Ref 22.46 dB           10 dB/div         Ref 22.46 dB	Hz PNO: Wide	Trig: Free Run	Avg Type: Log-Pwr Avg Hold: 2000/2000	TRACE 123456 TYPE MWWWW DET PNNNN Mkr1 2.478 008 GHz
Center Freq 2.480000000 GHz Pi0, Wile Ref Offset 2.46 dB Ref Of	Center Freq 2.48000000 C	Hz PNO: Wide	Trig: Free Run	Avg Type: Log-Pwr Avg Hold: 2000/2000	TRACE 123456 TYPE MWWWW DET PNNNN Mkr1 2.478 008 GHz
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67.5	-37.5				0
67.5         Span 8.000 GHz         Span 8.000 MHz           Res BW 100 kHz         #VBW 300 kHz         Sweep 1.000 ms (1001 pts)           MsG         Control of the status         Sweep 1.000 ms (1001 pts)           MsG         Control of the status         Sweep 1.000 ms (1001 pts)           MsG         Control of the status         Sweep 1.000 ms (1001 pts)           MsG         Control of the status         Sweep 1.000 ms (1001 pts)           MsG         Sweep 1.000 ms (1001 pts)         MsG           Center Freq 2.526000000 GHz         Status         MsG         MsG           Center Freq 2.526000000 GHz         Fres Status         MsG         MsG           Center Freq 2.526000000 GHz         Fres Status         MsG         MsG           Center Freq 2.526000000 GHz         Fres Status         MsG         MsG           Center Freq 2.46 dB         Mkr1 2.479 l GHz         T.590 dBm         T.590 dBm           Cond Brdue         Ref 22.46 dB         Status         Status         Status           Center Freq 3.52600 CHz         WBW 300 kHz         Stop 2.57600 GHz         Stop 2.57600 GHz           Stat 2.47600 CHz         #VBW 300 kHz         Sweep 9.600 ms (1001 pts)         Stop 2.57600 GHz           Stat 2.47600 CHz         #VBW 300 kHz	-47.5				A AAA
67.5         Span 8.000 GHz         Span 8.000 MHz           Res BW 100 kHz         #VBW 300 kHz         Sweep 1.000 ms (1001 pts)           MsG         Control of the status         Sweep 1.000 ms (1001 pts)           MsG         Control of the status         Sweep 1.000 ms (1001 pts)           MsG         Control of the status         Sweep 1.000 ms (1001 pts)           MsG         Control of the status         Sweep 1.000 ms (1001 pts)           MsG         Sweep 1.000 ms (1001 pts)         MsG           Center Freq 2.526000000 GHz         Status         MsG         MsG           Center Freq 2.526000000 GHz         Fres Status         MsG         MsG           Center Freq 2.526000000 GHz         Fres Status         MsG         MsG           Center Freq 2.526000000 GHz         Fres Status         MsG         MsG           Center Freq 2.46 dB         Mkr1 2.479 l GHz         T.590 dBm         T.590 dBm           Cond Brdue         Ref 22.46 dB         Status         Status         Status           Center Freq 3.52600 CHz         WBW 300 kHz         Stop 2.57600 GHz         Stop 2.57600 GHz           Stat 2.47600 CHz         #VBW 300 kHz         Sweep 9.600 ms (1001 pts)         Stop 2.57600 GHz           Stat 2.47600 CHz         #VBW 300 kHz	-57.5			Munh	
Center 2.480000 GHz #Res BW 100 kHz         Span 8.000 MHz Sweep 1.000 ms (1001 pts)           Msd         #VBW 300 kHz         Sweep 1.000 ms (1001 pts)           Msd         Extransion         Extransion           Band Edge(Hopping) NVNT 1-DH5 2480MHz Hopping Emission         Allonautor         06:27:35 PM Jun 05; 2023           Applent Spectrum Analyzer - Swept 5A         Extransion         Allonautor         06:27:35 PM Jun 05; 2023           Ref         Store - Sto					
#Res BW 100 kHz         #VBW 300 kHz         Sweep 1.000 ms (1001 pts)           Msg         Image: Startus         Image: Startus           Band Edge(Hopping) NVNT 1-DH5 2480MHz Hopping Emission         Addent Spectrum Analyzer - Swept SA           Msg         Image: Startus         Addent Spectrum Analyzer - Swept SA           Msg         Image: Startus         Addent Spectrum Analyzer - Swept SA           Msg         Image: Startus         Addent Spectrum Analyzer - Swept SA           Msg         Image: Startus         Addent Spectrum Analyzer - Swept SA           Msg         Image: Startus         Addent Spectrum Analyzer - Swept SA           Msg         Image: Startus         Addent Spectrum Analyzer - Swept SA           Msg         Image: Startus         Msg         Trace 12:23:55           Center Freq 2.526000000 GHz         Image: Startus         Msg         Msg         Trace 12:23:56           10 dB/div         Ref Offset 2.46 dB         Msg         Msg         Trace 12:23:56         Msg           12 d         Image: Startus         Ref Offset 2.46 dB         Msg         Trace 12:37:56         Msg           12 d         Image: Startus         Ref Offset 2.46 dB         Trace 12:37:56         Trace 12:37:56         Trace 12:37:56         Trace 12:37:56         Trace 12:37:56	6.16				
Missi           Band Edge(Hopping) NVNT 1-DH5 2480MHz Hopping Emission           Aglent Spectrum Analyzer - Swept SA           With Ref         S0.0         AC         SENSEINT         ALIGNAUTO         OS:27:35 PM3 m 05, 2023           Center Freq 2.526000000 GHz         Trig: Free Run IFGain:Low         Trig: Free Run #Atten: 30 dB         Avg Type: Log -Pwr Avg Type: Log -Pwr Avg Type: Log -Pwr         Trace 12:34:56           10 dB/div         Ref Offset 2.46 dB         Mkr1 2.479 1 GHz         7.590 dBm           10 dB/div         Ref 22:46 dB         1.107/100         1.1217a6m           123			W 000 I.U		
Band Edge(Hopping) NVNT 1-DH5 2480MHz Hopping Emission         Aglent Spectrum Analyzer - Swept SA         AllonAuto       OS:27:35 PMAn 05:2023         Center Freq 2.526000000 GHz       Trig: Free Run IFGain: Low       Autonauto       OS:27:35 PMAn 05:2023         Center Freq 2.526000000 GHz       Trig: Free Run IFGain: Low       Autonauto       Avg Type: Log-Pwr Avg Hold: 100/100         Mkr1 2.479 1 GHz 7.590 dBm         O dB/div       Mkr1 2.479 1 GHz 7.590 dBm         Center Freq 2.526 000000 GHz       Mkr1 2.479 1 GHz 7.590 dBm         O dB/div       Mkr1 2.479 1 GHz 7.590 dBm         O dB/div       Stop 2.57600 GHz         Stop 2.57600 GHz         Stop 2.57600 GHz         Res BW 100 kHz       FUNCION FU		#VB	W 300 KHZ		eep 1.000 ms (1001 pts)
Aglient Spectrum Analyzer - Swept SA         Allon Autro         05:27:35 FM Jun 05; 2023           Center Freq 2.526000000 GHz         PN0: Fast +	Band Edge(Ho	NVN (pnigg	IT 1-DH5 2	-	a Emission
Center Freq 2.526000000 GHz       Trig: Free Run       Avg Type: Log-Pwr       Trig: Girls: 100/100       Trig: Free Run       Avg Type: Log-Pwr       Trig: Girls: 100/100       Trig: Girl	Agilent Spectrum Analyzer - Swept SA				
International base     #Atten: 30 dB     Mkr1 2.479 1 GHz       Ref Offset 2.46 dB     Mkr1 2.479 1 GHz       12.5     1       12.6     1       12.6     1       12.6     1       12.6     1       12.6     1       12.6     1       12.6     1       12.6     1       12.6     1       12.7     1       12.6     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1       12.7     1		Hz		Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6
Ref 22.46 dBm       7.590 dBm         125       1<		IFGain:Low			DET P N N N N N
126       1	10 dB/div Ref 22.46 dBm				
-7.54     -7.54     -7.54     -7.54     -7.54     -7.54       -17.5     -7.54     -7.54     -7.54     -7.54     -7.54       -27.5     -7.54     -7.54     -7.54     -7.54       -27.5     -7.54     -7.54     -7.54     -7.54       -7.5     -7.54     -7.54     -7.54     -7.54       -7.5     -7.54     -7.54     -7.54     -7.54       -7.5     -7.54     -7.54     -7.54     -7.54       -7.5     -7.55     -7.55     -7.55     -7.55       -7.5     -7.55     -7.55     -7.55       -7.5     -7.54     -7.54     -7.54       -7.5     -7.55     -7.55     -7.550       -7.5     -7.550     -7.550     -7.550       -7.55     -7.550     -7.550     -7.550       -7.55     -7.550     -7.550     -7.550       -7.55     -7.550     -7.550     -7.550       -7.55     -7.550     -7.550     -7.550       -7.55     -7.550     -7.550     -7.550       -7.550     -7.550     -7.550     -7.550       -7.550     -7.550     -7.550     -7.550       -7.550     -7.550     -7.550       -7.550					
17.5	(A)D				
37.5     47.5     4     3     4     3     4 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
47.5     4     3       67.5					
-67.5           Start 2.47600 GHz #Res BW 100 kHz         ¥VBW 300 kHz         Stop 2.57600 GHz Sweep         9.600 ms (1001 pts)           MXE         X         Y         FUNCTION         FUNCTION WIDTH         FUNCTION VALUE         •           1         N         1         f         2.479 1 GHz         7.590 dBm         •		∧3			
Start 2.47600 GHz #Res BW 100 kHz         ¥VBW 300 kHz         Stop 2.57600 GHz Sweep 9.600 ms (1001 pts)           MXE         VOID         FUNCTION	and the second sec	How and appropriate the second	mallon of the sound through a base	Base production and a standard	and and an and a second and the second and and and and and and and and and a
#Res BW 100 kHz         #VBW 300 kHz         Sweep         9.600 ms (1001 pts)           IMER MODELTRC SEL         X         Y         FUNCTION         FUNCTION VIDTH         FUNCTION VALUE           1         N         1         f         2.479 1 GHz         7.590 dBm         FUNCTION VIDTH         FUNCTION VALUE           2         N         1         f         2.483 5 GHz         -59.179 dBm         FUNCTION VIDTH         FUNCTION VIDTH           3         N         1         f         2.500 0 GHz         -59.626 dBm         FUNCTION VIDTH         FUNCTION VIDTH           4         N         1         f         2.496 0 GHz         -56.211 dBm         FUNCTION VIDTH         FUNCTION VIDTH					Stop 2 57600 GHz
1         N         1         f         2.479 1 GHz         7.590 dBm           2         N         1         f         2.483 5 GHz         -59.179 dBm           3         N         1         f         2.500 0 GHz         -59.625 dBm           4         N         1         f         2.496 0 GHz         -56.211 dBm	#Res BW 100 kHz	#VB			eep 9.600 ms (1001 pts)
3 N 1 f 2.500 0 GHz -59.625 dBm 4 N 1 f 2.496 0 GHz -56.211 dBm 5	1 N 1 f 2.47	9 1 GHz 7.590	dBm	FUNCTION WIDTH	FUNCTION VALUE
5	3 N 1 f 2.50 4 N 1 f 2.49	0 0 GHz -59.625	dBm		
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10	10 11				
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Band Edge (Honning) NI/NIT 1-DH5 2480MHz Honning Pof



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#### Report No.: STS2306300W02

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Agilent Spec	c <mark>trum Analyzer</mark> RF	- Swept SA 50 Ω AC		SENSE:INT		ALIGNAUTO		05:50:52 PM Jun 05, 2023
		2000000 GHz	Z PNO: Wide		ree Run	Avg Type: Avg Hold: 2		TRACE 1 2 3 4 5 6 TYPE MWWWWW
			IFGain:Low	#Atten	:30 dB		ML	r1 2.403 872 GHz
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Center 2	2.402000 G	H7						Span 8.000 MHz
	V 100 kHz		#	VBW 300 k	Hz		Sweep	1.000 ms (1001 pts)
MSG						<b>STATUS</b>		
ł	Rond F	-dao(Hon	ning) NIV	/				
			ping) N		JH5 24	02MHz H	lopping	Emission
LXI RL	c <mark>trum Analyzer</mark> RF	- Swept SA 50 Ω AC			JH5 24	ALIGNAUTO		05:50:55 PM Jun 05, 2023
LXI RL	c <mark>trum Analyzer</mark> RF	- Swept SA	Z PNO: Fast	SENSE:INT	ree Run		Log-Pwr	
LXI RL	ctrum Analyzer RF Freq 2.35	- Swept SA 50 Ω AC 6000000 GHz	z	SENSE:INT	ree Run	ALIGNAUTO Avg Type:	Log-Pwr 00/100	05:50:55 PM Jun 05, 2023 TRACE 1 2 3 4 5 6 TYPE M WANNAM
Center I	ctrum Analyzer	- Swept SA 50 Ω AC	Z PNO: Fast	SENSE:INT	ree Run	ALIGNAUTO Avg Type:	Log-Pwr 00/100	05:50:55 PM Jun 05, 2023 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N
Center I	ctrum Analyzer	- Swept SA 50 Ω AC   6000000 GHz et 2.57 dB	Z PNO: Fast	SENSE:INT	ree Run	ALIGNAUTO Avg Type:	Log-Pwr 00/100	05:50:55 PMJun 05, 2023 TRACE 12 3 4 5 6 TYPE MWWWW DET P NNNNN Akr1 2.404 1 GHz
XI         RL           Center I         Center I           Log         12.6           2.57         2.57	ctrum Analyzer	- Swept SA 50 Ω AC   6000000 GHz et 2.57 dB	Z PNO: Fast	SENSE:INT	ree Run	ALIGNAUTO Avg Type:	Log-Pwr 00/100	05:50:55 PMJun 05, 2023 TRACE 12 3 4 5 6 TYPE MWWWW DET P NNNNN Akr1 2.404 1 GHz
10 dB/div	ctrum Analyzer	- Swept SA 50 Ω AC   6000000 GHz et 2.57 dB	Z PNO: Fast	SENSE:INT	ree Run	ALIGNAUTO Avg Type:	Log-Pwr 00/100	05:50:55 PMJun 05, 2023 TRACE 12 3 4 5 6 TYPE MWWWW DET P NNNNN Akr1 2.404 1 GHz
M         RL           Center         1           Log         12.6           2.57         -7.43	ctrum Analyzer	- Swept SA 50 Ω AC   6000000 GHz et 2.57 dB	Z PNO: Fast	SENSE:INT	ree Run	ALIGNAUTO Avg Type:	Log-Pwr 00/100	05:50:55 PM xm 05, 2023 TRACE 12 3 4 5 6 TYPE MWWWW DET/P NNNNN Alkr1 2.404 1 GHz 6.200 dBm
XX         RL           Center I         I           10 dB/div         I           12.6         I           2.57         I           -7.43         II           -17.4         III           -37.4         III	ctrum Analyzer	- Swept SA 50 Ω AC   6000000 GHz et 2.57 dB	Z PNO: Fast	SENSE:INT	ree Run	ALIGNAUTO Avg Type:	Log-Pwr 00/100	05:50:55 PM xm 05, 2023 TRACE 12 3 4 5 6 TYPE MWWWW DET/P NNNNN Alkr1 2.404 1 GHz 6.200 dBm
XX         RL           Center I         I           10 dB/div         I           12.6         I           2.57         I           -7.43         I           -17.4         I           -27.4         I	ctrum Analyzer	- Swept SA 50 Ω AC   6000000 GHz et 2.57 dB	Z PNO: Fast IFGain:Low	SENSE:INT	ree Run 30 dB	ALIGNAUTO Avg Type:	Log-Pwr 00/100	05:50:55 PM Jun 05, 2023 TRACE 12 3 4 5 6 TYPE MUMUNUM DET P NNNNN Alkr1 2.404 1 GHz 6.200 dBm
XX         RL           Center I         I           10 dB/div         I           12.6         I           2.57         I           -7.43         I           -17.4         II           -37.4         III           -47.4         III	ctrum Analyzer	- Swept SA 50 Ω AC   6000000 GHz et 2.57 dB	Z PNO: Fast	SENSE:INT	ree Run 30 dB	ALIGNAUTO Avg Type:	Log-Pwr 00/100	05:50:55 PM Jun 05, 2023 TRACE 12 3 4 5 6 TYPE MUMUNUM DET P NNNNN Alkr1 2.404 1 GHz 6.200 dBm
M         RL           Center I           10 dB/div           2.57           -7.43           -7.43           -7.43           -7.43           -7.43           -7.43           -7.43           -7.43           -7.43           -7.43           -7.44           -7.44           -7.45           -7.44 </td <td>Ref Offs Ref 22.</td> <td>- Swept SA 50 Ω AC 6000000 GHz et 2.57 dB 57 dBm</td> <td>Z PNO: Fast IFGain:Low</td> <td>SENSE:INT</td> <td>ree Run 30 dB</td> <td>ALIGNAUTO Avg Type:</td> <td>Log-Pwr 00/100</td> <td>05:50:55 PM Jun 05, 2023 TRACE 12 3 4 5 6 TYPE M WWWW DET P NNNNN Alkr1 2.404 1 GHz 6.200 dBm</td>	Ref Offs Ref 22.	- Swept SA 50 Ω AC 6000000 GHz et 2.57 dB 57 dBm	Z PNO: Fast IFGain:Low	SENSE:INT	ree Run 30 dB	ALIGNAUTO Avg Type:	Log-Pwr 00/100	05:50:55 PM Jun 05, 2023 TRACE 12 3 4 5 6 TYPE M WWWW DET P NNNNN Alkr1 2.404 1 GHz 6.200 dBm
M         RL           Center I         Center I           12.6	Ref Offs Ref 22.	- Swept SA 50 Ω AC 6000000 GHz et 2.57 dB 57 dBm	Z PNO: Fast IFGain:Low	SENSE:INT Trig: F #Atten	ree Run 30 dB		Log-Pwr 00/100	05:50:55 PM Jun 05, 2023 TRACE 12 3 4 5 6 TYPE MUMMW DET P NNNNN Alkr1 2.404 1 GHz 6.200 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1
XX         RL           Center I           10 dB/div           12.6           12.6           2.57           -7.43           -7.43           -37.4           -47.4           -67.4           Start 2.3           #Res BV           MX8: MO03           1           2           1	Ref Offs Ref 22.	- Swept SA 50 Ω AC 6000000 GHz et 2.57 dB 57 dBm 4 57 dBm 4 57 dBm 2.404 1 2.400 1	Z PNO: Fast IFGain:Low Heritige (January 1990) # GHz 60. GHz 6.0.	SENSE:INT #Atten #Atten VBW 300 k 200 dBm	ree Run 30 dB	ALIGNAUTO Avg Type:	Log-Pwr 00/100	05:50:55 PM Jun 05, 2023 TRACE 12 3 4 5 6 TYPE M WWWW DET P NNNNN Alkr1 2.404 1 GHz 6.200 dBm
XX         RL           Center         1           12.6         2.57           12.6         2.57           .7.43            .7.43            .7.4       .7.5	Ref Offs Ref Offs Ref 22.	- Swept SA 50 Ω AC 6000000 GHz et 2.57 dB 57 dBm 4 10000000 GHz 4 2.404 1	Z PNO: Fast IFGain:Low GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ	SENSE:INT	ree Run 30 dB		Log-Pwr 00/100	05:50:55 PM Jun 05, 2023 TRACE 12 3 4 5 6 TYPE MUMMW DET P NNNNN Alkr1 2.404 1 GHz 6.200 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1
WI         RL           Center I           10 dB/div           Log           12.6           2.57           -7.43           -17.4           -27.4           -37.4           -47.4           -57.4           Start 2.3           #Res BV           IMSE MODES           1           3           4           5	Bit um Analyzer           RF           Freq 2.35           Ref Offs.           Ref 22.           30600 GHz           V 100 KHz           TRE SCI           1           1	- Swept SA 50 Q AC 6 6000000 GHz et 2.57 dB 57 dBm 	Z PNO: Fast IFGain:Low GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ	SENSE:INT Trig: F #Atten Water Wa	ree Run 30 dB		Log-Pwr 00/100	05:50:55 PM Jun 05, 2023 TRACE 12 3 4 5 6 TYPE MUMMW DET P NNNNN Alkr1 2.404 1 GHz 6.200 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1
M         RL           10 dB/div         Center I           12.6	Bit um Analyzer           RF           Freq 2.35           Ref Offs.           Ref 22.           30600 GHz           V 100 KHz           TRE SCI           1           1	- Swept SA 50 Q AC 6 6000000 GHz et 2.57 dB 57 dBm 	Z PNO: Fast IFGain:Low GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ	SENSE:INT Trig: F #Atten Water Wa	ree Run 30 dB		Log-Pwr 00/100	05:50:55 PM Jun 05, 2023 TRACE 12 3 4 5 6 TYPE MUMMW DET P NNNNN Alkr1 2.404 1 GHz 6.200 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1
XX         RL           Center I           10 dB/div           2.57           7.43           -7.43           -7.43           -7.43           -7.44           -37.4           -47.4           -57.4           -57.4           -57.4           -37.4           -67.4           -57.4           -57.4           -57.4           -37.4 <t< td=""><td>Bit um Analyzer           RF           Freq 2.35           Ref Offs.           Ref 22.           30600 GHz           V 100 KHz           TRE SCI           1           1</td><td>- Swept SA 50 Q AC 6 6000000 GHz et 2.57 dB 57 dBm </td><td>Z PNO: Fast IFGain:Low GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ</td><td>SENSE:INT Trig: F #Atten Water Wa</td><td>ree Run 30 dB</td><td></td><td>Log-Pwr 00/100</td><td>05:50:55 PM Jun 05, 2023 TRACE 12 3 4 5 6 TYPE MUMMW DET P NNNNN Alkr1 2.404 1 GHz 6.200 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1</td></t<>	Bit um Analyzer           RF           Freq 2.35           Ref Offs.           Ref 22.           30600 GHz           V 100 KHz           TRE SCI           1           1	- Swept SA 50 Q AC 6 6000000 GHz et 2.57 dB 57 dBm 	Z PNO: Fast IFGain:Low GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ	SENSE:INT Trig: F #Atten Water Wa	ree Run 30 dB		Log-Pwr 00/100	05:50:55 PM Jun 05, 2023 TRACE 12 3 4 5 6 TYPE MUMMW DET P NNNNN Alkr1 2.404 1 GHz 6.200 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1
WI         RL           Center I           10 dB/div           Log           12.6           2.57           -7.43           -17.4           -27.4           -37.4           -47.4           -57.4	Bit um Analyzer           RF           Freq 2.35           Ref Offs.           Ref 22.           30600 GHz           V 100 KHz           TRE SCI           1           1	- Swept SA 50 Q AC 6 6000000 GHz et 2.57 dB 57 dBm 	Z PNO: Fast IFGain:Low GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ GHZ	SENSE:INT Trig: F #Atten Water Wa	ree Run 30 dB		Log-Pwr 00/100	05:50:55 PM Jun 05, 2023 TRACE 12 3 4 5 6 TYPE MUMMW DET P NNNNN Alkr1 2.404 1 GHz 6.200 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1

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Shenzhen STS Test Services Co., Ltd.



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#### Report No.: STS2306300W02

Band E							
RL   RF   50 Ω Center Freq 2.480000	AC 1000 GHz PM	10: Wide 🔸	Trig: Free Run	ALIGNAUTO Avg Type: Avg Hold: 2		TF	PM Jun 05, 2023 RACE 1 2 3 4 5 TYPE MWWWWW DET P N N N N
Ref Offset 2.46		Gain:Low	#Atten: 30 dB		Mk	r1 2.479	
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Res BW 100 kHz	e(Hoppin		/ 300 кнz Т 2-DH5 2	Kostatus 480MHz H	-	) 1.000 ms	s (1001 pts
Res BW 100 kHz IG Band Edge RL RF 50 Ω	t SA AC	g) NVN⁻		480MHz H	opping	0 1.000 ms Emissi	6 (1001 pts ON 8 PM Jun 05, 2023
Res BW 100 kHz sG Band Edge glent Spectrum Analyzer - Swep RL RF 50 Ω	t SA AC       10000 GHz	g) NVN⁻	T 2-DH5 2	480MHz H	opping	0 1.000 ms Emissi	(1001 pts ON PMJun 05, 202: RACE 1 2 3 4 5
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Res BW 100 kHz           Band Edge           Band Edge           RL         RF           Rf         50 a           center Freq 2.526000           Ref Offset 2.46 dl           G           12.5           2.46           7.54           7.54           7.54	t SA AC DOOO GHZ P IF( 6 dB	g) NVN <sup>−</sup> SE	T 2-DH5 2	480MHz H Alignauto Avg Type:	opping	0 1.000 ms Emissi 05:52:48 Tr Mkr1 2.44	(1001 pts) ON ON ON OPMJun 05, 2023 ACCE   2 3 4 5 TYPE   N N N DET   N N N N BO 4 GH: 581 dBn
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Res BW 100 kHz           3G           Band Edge           Blent Spectrum Analyzer - Swep           Ref Offset 2.46           0 dB/div           Ref Offset 2.46           0 dB/div           75           7.54           7.54           7.54           7.54           7.54           7.54           7.54           7.54           7.54           7.54           7.54           7.54           7.54           7.54           7.54           7.54           7.54           7.54           7.55           7.56           7.57           7.57           7.57           7.57           7.57           7.57           7.57           7.57           7.57           7.57           7.57           7.57           7.57           7.57           7.57           7.57           7.57           7.57           7.57	AC PIER	g) NVN	T 2-DH5 2	480MHz H Alignauto Avg Type:	Opping Log-Pwr 00/100	• 1.000 ms Emissi 05:52:46 Tr Mkr1 2.41 1.	57600 GH:
Res BW 100 kHz           36           Band Edge           Blent Spectrum Analyzer - Swep           Ref Offset 2.46           0 dB/div           Ref Offset 2.46 dl           9           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           5           5           5           5           5           5           5	ESA AC DOOO GHZ P IFG G dB Bm A A A A A A A A A A A A A A A A A A	g) NVN SE NO: Fast +- Gain:Low #VBM	T 2-DH5 2		Opping Log-Pwr 00/100	• 1.000 ms Emissi 05:52:46 TF Mkr1 2.43 1.	ON PMJun 05, 2022 tace 1 2 3 4 5 TYPE MANNAN 80 4 GH2 581 dBm -14.04 dBm -14.04 dBm 57600 GH2
Res BW 100 kHz           ag           Band Edg           Band Edg           gent Spectrum Analyzer - Swep           enter Freq 2.526000           ag           center Freq 2.526000           ag           ag           center Freq 2.526000           ag	ESA AC DOOO GHZ P FC C dB Sm C C dB Sm C C dB C C dB C dB	g) NVN NO: Fast Gain:Low #VBW 1.581 d -60.155 d	T 2-DH5 2		Opping Log-Pwr 00/100	1.000 ms	57600 GH:
Silent Spectrum Analyzer - Swep           RL         RF         50 @           Ref         FF         50 @           Ref Offset 2.46 dl         Ref Offset 2.46 dl         Ref 22.46 dl           99         1         5         1           12.5         1         2         1           2.46         1         2         1           7.54         1         2         1           7.54         1         2         1           7.54         1         2         1           7.54         1         2         1           7.54         2         2         3         5           7.55         2         2         2         3         5           7.54         1         1         1         1         1           1         N         1         1         1         1           1         N         1         1         1         1           2         N         1         1         1         1           3         1         1         1         1         1           3         N         1         <	LSA AC DOUOO GHZ P IFG S dB Sm AC AC AC AC AC AC AC AC AC AC	g) NVN <sup>-</sup> SE NO: Fast ↔ Gain:Low #VBW	T 2-DH5 2		Opping Log-Pwr 00/100	1.000 ms	57600 GH2
Res BW 100 kHz           Band Edgu           Band Edgu           Ret Offset 2.46           Ref Offset 2.46           Center Freq 2.526000           Ref Offset 2.46           Offset 2.47600           Offset 2	ESA AC D0000 GHz PI IFG C dB Bm C dB Bm C dB C dB	g) NVN SE NO: Fast → Gain:Low #VBW 1.581 d -50.185 d -57.817 d	T 2-DH5 2		Opping Log-Pwr 00/100	1.000 ms	57600 GH:
Res BW 100 kHz           ag           Band Edge           Band Edge           Bernd Edge           enter Freq 2.526000           Ref Offset 2.46           0 dB/div           Ref Offset 2.46           9           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           2           2           3           4           4           5           6           7           8           9	ESA AC D0000 GHz PI IFG C dB Bm C dB Bm C dB C dB	g) NVN SE NO: Fast → Gain:Low #VBW 1.581 d -50.185 d -57.817 d	T 2-DH5 2		Opping Log-Pwr 00/100	1.000 ms	6 (1001 pts ON IPM Jun 05,202 KACE [1 2 3 4 5 TYPE [M HANNIN DET [P N NN N 80 4 GH: 581 dBn -14.04 dB
Res BW 100 kHz           Band Edge           Ref Defrest 2.46           Ref Offset 2.46           Ref Offset 2.46           Ref Offset 2.46           Od B/div           Ref Offset 2.46           Od B/div           Ref Offset 2.46           Offset 3.40	ESA AC D0000 GHz PI IFG C dB Bm C dB Bm C dB C dB	g) NVN SE NO: Fast → Gain:Low #VBW 1.581 d -50.185 d -57.817 d	T 2-DH5 2		Opping Log-Pwr 00/100	1.000 ms	6 (1001 pts ON IPM Jun 05,202 KACE [1 2 3 4 5 TYPE [M HANNIN DET [P N NN N 80 4 GH: 581 dBn -14.04 dB

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		Edge(Hop	ping) N			
X/RL	rum Analyzer - Sv RF 50 9 Freq 2.4020	2 AC		SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	06:06:05 PM Jun 05, 2023 TRACE 1 2 3 4 5 6
Center I	169 2.4020		PNO: Wide +	. Trig: Free Run #Atten: 30 dB	Avg Hold: 2000/2000	DET P N N N N
10 dB/div	Ref Offset 2 Ref 22.57					Mkr1 2.403 160 GHz 6.589 dBm
Log						
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2.57				mon	marthan	Mannan
-7.43				- F	V	
-17.4						
-27.4						
-37.4			mhm	Y		
-47.4			N			
-57.4 A	manhum	manand	/			
-67.4						
Conton 2	402000 00-					Omen 8 000 Mill
	.402000 GHz / 100 kHz		#VB	W 300 kHz		
#Res BW	/ 100 kHz				STATUS	Span 8.000 MHz weep 1.000 ms (1001 pts)
#Res BW <sup>MSG</sup>	and Ed	ge(Hoppiı				weep 1.000 ms (1001 pts
#Res BW <sup>MSG</sup> E Agilent Spect	100 kHz Band Ed trum Analyzer - Sv	ge(Hoppii vept SA 2 AC	ng) NVN	IT 3-DH5 24	KOSTATUS 102MHz Hoppi Alignauto Avg Type: Log-Pwr	weep 1.000 ms (1001 pts ng Emission 06:06:08 PM Jun 05, 2023 TRACE 1 2 3 4 5 4
#Res BW <sup>MSG</sup> E Agilent Spect	T 100 KHz Band Ed trum Analyzer - Sv RF 50 S	ge(Hoppii <sup>vept SA</sup> 2 AC   00000 GHz	ng) NVN	IT 3-DH5 24	Kostatus 102MHz Hoppi alignauto	weep 1.000 ms (1001 pts ng Emission 06:06:08 PM Jun 05,2023 TRACE 112:345 TYPEE NN NN N
#Res BW wsg Agilent Spect Agilent Spect RL Center F	T 100 KHz Band Ed trum Analyzer - Sv RF 50 S	ge(Hoppin vept SA 2 AC 0 00000 GHz .57 dB	ng) NVN	IT 3-DH5 24	KOSTATUS 102MHz Hoppi Alignauto Avg Type: Log-Pwr	weep 1.000 ms (1001 pts           ng Emission           06:06:08 PM Jun 05, 2023           TRACE [12:34:5           TYPEE INNIN           Der P N NNN           Mkr1 2.403 2 GH2
#Res BW Asg Agilent Spect Agilent Spect Agilent Spect Center F	T 100 kHz Band Ed trum Analyzer - Sto RF 50 5 Freq 2.3560 Ref Offset 2	ge(Hoppin vept SA 2 AC 0 00000 GHz .57 dB	ng) NVN	IT 3-DH5 24	KOSTATUS 102MHz Hoppi Alignauto Avg Type: Log-Pwr	weep 1.000 ms (1001 pts           ng Emission           06:06:08 PM Jun 05, 2023           TRACE [] 2:3 4 5           TYPE [] WINN           Mkr1 2.403 2 GH2
#Res BW MSG Agilent Spect M RL Center F 10 dB/div Log	T 100 kHz Band Ed trum Analyzer - Sto RF 50 5 Freq 2.3560 Ref Offset 2	ge(Hoppin vept SA 2 AC 0 00000 GHz .57 dB	ng) NVN	IT 3-DH5 24	KOSTATUS 102MHz Hoppi Alignauto Avg Type: Log-Pwr	weep 1.000 ms (1001 pts           ng Emission           06:06:08 PM Jun 05,2023           TRACE [2:3:4:5           TRACE [2:3:4:5           OB PN JUN 05,2023           TRACE [2:3:4:5           TRACE [2:3:4:5 </td
#Res BW       wsg       E       Agilent Spect       XI RL       Center F       12.6       2.57       -7.43       -17.4	T 100 kHz Band Ed trum Analyzer - Sto RF 50 5 Freq 2.3560 Ref Offset 2	ge(Hoppin vept SA 2 AC 0 00000 GHz .57 dB	ng) NVN	IT 3-DH5 24	KOSTATUS 102MHz Hoppi Alignauto Avg Type: Log-Pwr	weep 1.000 ms (1001 pts           ng Emission           06:06:08 PM Jun 05, 2023           TRACE [12:345           TYPE[ NNNN           Mkr1 2.403 2 GHz
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#Res BW           Msg         E           Agilent Spect         Center F           12.6         2.57           -7.43         -17.4           -27.4         -27.4	T 100 kHz Band Ed trum Analyzer - Sto RF 50 5 Freq 2.3560 Ref Offset 2	ge(Hoppin vept SA 2 AC 0 00000 GHz .57 dB	ng) NVN	IT 3-DH5 24	KOSTATUS 102MHz Hoppi Alignauto Avg Type: Log-Pwr	weep 1.000 ms (1001 pts ng Emission 06:06:08 PM Jun 05,2023 TRACE [] 2 3 4 5. TYPE DET P N N N N Mkr1 2.403 2 GHz 1.784 dBm
#Res BW           Agilent Spect           Agilent Spect           M RL           Center F           12.6           2.57           -7.43           -17.4           -27.4           -37.4           -47.4	T 100 kHz Band Ed trum Analyzer - Sto RF 50 5 Freq 2.3560 Ref Offset 2	ge(Hoppin vept SA 2 AC 0 00000 GHz .57 dB	ng) NVN	IT 3-DH5 24	KOSTATUS 102MHz Hoppi Alignauto Avg Type: Log-Pwr	weep 1.000 ms (1001 pts           ng Emission           06:06:08 PM Jun 05,2023           TRACE [] 23 4 5           TRACE [] 3 4 5           TRACE [] 3 4 5 <t< td=""></t<>
#Res BW           Agient Spect           Agient Spect           Agient Spect           Agient Spect           Agient Spect           Agient Spect           2.6           12.6           2.57           -7.43           -17.4           -37.4           -47.4           -57.4           -57.4           Start 2.3	T 100 kHz Band Ed trum Analyzer - Sto RF 50 5 Freq 2.3560 Ref Offset 2	ge(Hoppin vept SA 2 AC 0 00000 GHz .57 dB	PNO: Fast IFGain:Low	IT 3-DH5 24		weep 1.000 ms (1001 pts           ng Emission           Obio0:08 PM Jun 05, 2023           TRACE [] 23 4 5           TRACE [] 23 4 5           Mkr1 2.403 2 GH2           1.784 dBm           -1841 dBm
#Res BW           Agilent Spect           Agilent Spect           2/2 RL           Center F           12 G           -7.43           -7.74      -7.74 </td <td>F 100 kHz Band Ed rum Analyzer - Su Ref 23560 Ref Offset 2 Ref 22.57 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>ge(Hoppin rept SA 2 AC   00000 GHz .57 dB dBm </td> <td>ng) NVN PNC: Fast FGain:Low #VB</td> <td>IT 3-DH5 24 SENSE:INT . Trig: Free Run #Atten: 30 dB</td> <td></td> <td>weep 1.000 ms (1001 pts           ng Emission           06:06:08 PM Jun 05,2023           TRACE [] 23 4 5           TRACE [] 3 4 5           TRACE [] 3 4 5      <t< td=""></t<></td>	F 100 kHz Band Ed rum Analyzer - Su Ref 23560 Ref Offset 2 Ref 22.57 0 0 0 0 0 0 0 0 0 0 0 0 0	ge(Hoppin rept SA 2 AC   00000 GHz .57 dB dBm 	ng) NVN PNC: Fast FGain:Low #VB	IT 3-DH5 24 SENSE:INT . Trig: Free Run #Atten: 30 dB		weep 1.000 ms (1001 pts           ng Emission           06:06:08 PM Jun 05,2023           TRACE [] 23 4 5           TRACE [] 3 4 5           TRACE [] 3 4 5 <t< td=""></t<>
#Res         BW           Agitent Spect         E           Agitent Spect         I           M         RL           Center F         I           12.6         I           12.6         I           12.6         I           2.57         I           -7.43         I           -7.43         I           -7.44         I           -7.45         I           -7.4	F 100 kHz Band Ed Trum Analyzer - Sv Freq 2.3560 Ref Offset 2 Ref 22.57 06000 GHz 1 100 kHz 1 5	ge(Hoppin 2 AC   3.67 dB dBm .57 dB .67 dB .69	PNO: Fast IFGain:Low #VB #VB z 1.784 z -58.164	UT 3-DH5 24	ALISNAUTO AUGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	weep 1.000 ms (1001 pts           ng Emission           06:06:08 PM Jun 05,2023           TRACE [12:3:45]           TRACE [12:3:45]           TRACE [12:3:45]           Mkr1 2.403 2 GHz           1.784 dBm           1.784 dBm           1.941 gen           1.941 gen           Stop 2.40600 GHz           weep 9.600 ms (1001 pts
#Res         BW           Agilent Spect         E           Agilent Spect         RL           Center F         E           12.6         2.57           12.6         2.57           -7.4.3         -           -17.4         -           -37.4         -           -47.4         -           -57.4         -           Start 2.3         -           1         N           2         N           4         N           5         N	F 100 kHz Band Ed trum Analyzer - Su Ref Offset 2 Ref Offset 2 Ref 22.57 06000 GHz ↓ 100 kHz 1 f	2.403 2 GH 2.400 0 GHz	PNO: Fast IFGain:Low #VB #VB z 1.784 z -58.154	UT 3-DH5 24	ALISNAUTO AUGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	weep 1.000 ms (1001 pts           ng Emission           06:06:08 PM Jun 05,2023           TRACE [12:3:45]           TRACE [12:3:45]           TRACE [12:3:45]           Mkr1 2.403 2 GHz           1.784 dBm           1.784 dBm           1.941 gen           1.941 gen           Stop 2.40600 GHz           weep 9.600 ms (1001 pts
#Res BW           Agitent Spect           Agitent Spect           Agitent Spect           Agitent Spect           12 G           257           -7.43           -7.43           -7.43           -7.43           -7.44           -7.43           -7.44           -7.45           -7.45           -7.46           -7.47           -7.48           -7.49           -7.40           -7.41           -7.42           -7.43           -7.44           -7.44           -7.45           -7.44           -7.4           -7.4           -7.4           -7.4           -7.4           -7.4           -7.4           -7.4           -7.4           -7.4           -7.4           -7.4           -7.4           -7.7           -7.7           -7.7           -7.7           -7.7           -7.7           -7.7      -7.7 <td>F 100 kHz Band Ed Trum Analyzer - Sv Freq 2.3560 Ref Offset 2 Ref 22.57 06000 GHz 1 100 kHz 1 5</td> <td>ge(Hoppin 2 AC   3.67 dB dBm .57 dB .67 dB .69 dB .69</td> <td>PNO: Fast IFGain:Low #VB #VB z 1.784 z -58.164</td> <td>UT 3-DH5 24</td> <td>ALISNAUTO AUGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100</td> <td>weep 1.000 ms (1001 pts           ng Emission           06:06:08 PM Jun 05,2023           TRACE [12:3:45]           TRACE [12:3:45]           TRACE [12:3:45]           Mkr1 2.403 2 GHz           1.784 dBm           1.784 dBm           1.941 gen           1.941 gen           Stop 2.40600 GHz           weep 9.600 ms (1001 pts</td>	F 100 kHz Band Ed Trum Analyzer - Sv Freq 2.3560 Ref Offset 2 Ref 22.57 06000 GHz 1 100 kHz 1 5	ge(Hoppin 2 AC   3.67 dB dBm .57 dB .67 dB .69	PNO: Fast IFGain:Low #VB #VB z 1.784 z -58.164	UT 3-DH5 24	ALISNAUTO AUGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	weep 1.000 ms (1001 pts           ng Emission           06:06:08 PM Jun 05,2023           TRACE [12:3:45]           TRACE [12:3:45]           TRACE [12:3:45]           Mkr1 2.403 2 GHz           1.784 dBm           1.784 dBm           1.941 gen           1.941 gen           Stop 2.40600 GHz           weep 9.600 ms (1001 pts
#Res         BW           Issg         E           Agilent Spect         E           Agilent Spect         E           Agilent Spect         E           IO dB/div         II           12.6	F 100 kHz Band Ed Trum Analyzer - Sv Freq 2.3560 Ref Offset 2 Ref 22.57 06000 GHz 1 100 kHz 1 5	ge(Hoppin 2 AC   3.67 dB dBm .57 dB .67 dB .69	PNO: Fast IFGain:Low #VB #VB z 1.784 z -58.164	UT 3-DH5 24	ALISNAUTO AUGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	weep 1.000 ms (1001 pts           ng Emission           06:06:08 PM Jun 05, 2022           TRACE           12:34:5           TOPE PNINN           Mkr1 2.403 2 GH2           1.784 dBm           1.784 dBm           1.841 cm           Stop 2.40600 GH2           Stop 2.40600 GH2           weep 9.600 ms (1001 pts

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#### Report No.: STS2306300W02

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RL   RF  50Ω enter Freq 2.480000	AC	SE	NSE:INT	ALIGNAUTO Avg Type:	log-Pwr		7 PM Jun 05, 2023 RACE 1 2 3 4 5																																																
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Res BW 100 kHz           ag           Band Edge           RL         RF           sg           enter Freq 2.526000           0 dB/div           Ref Offset 2.46 dB           og           12.5           2.46           7.54           17.5           27.5	AC     OOO GHz   IF	g) NVN SE 2N0: Fast ↔	T 3-DH5 2	ABOMHZ H	lopping Log-Pwr 100/100	p 1.000 m Emissi	s (1001 pts iON RACE   2.3.4.5 TYPE   MINNN DET P NNNN 77 9 GH: 340 dBn																																																
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Res BW 100 kHz           3G           Band Edge           Bend Edge           Bend Edge           Bend Edge           Senter Freq 2.526000           Ref Offset 2.46 dB           92           12.5           12.6           7.54           7.54           7.54           7.54           7.54           7.54           17.55           17.54           17.54           17.54           17.54           17.54           17.54           17.54           17.54           17.54           17.54           17.54           17.54           17.54           17.54           17.54           17.55           17.54           17.55           17.54           17.55           17.54           17.55           17.54           17.55           17.54           17.55           17.54           17.55           17.54 <tr tr=""> <tr tr=""> <tr< td=""><td>AC     AC     B B B B B B B B B B B B B B B B B B</td><td>g) NVNT</td><td>T 3-DH5 2</td><td>ABOMHZ H</td><td>Log-Pwr 100/100</td><td>p 1.000 ms Emissi 06:08:0 T Mkr1 2.4 2.</td><td>s (1001 pts iON 0 PM Jun 05, 2027 RACE 11 2 3 4 5 TYPE [M WIN NN 77 9 GH: 340 dBn -13.02 dB</td></tr<></tr><tr><td>Res BW 100 kHz           Band Edge           Band Edge           Blent Spectrum Analyzer Sweet           Ref 0 offset 2.46 de           Ref 0 offset 2.46 de           O dB/div           Ref 0 offset 2.46 de           O dB/div           Ref 0 offset 2.46 de           O dB/div           Colspan="2"&gt;Colspan="2"           Colspan="2"&gt;Colspan="2"           Colspan="2"           Colspan="2"           Colspan="2"           Colspan="2"           Colspan="2"           Colspan="2"           Colspan="2"           Colspan="2"           Colspan= 2"</td><td>sA AC     OOO GHz F F B M Sm Sm</td><td>g) NVNT</td><td>T 3-DH5 2</td><td></td><td>Log-Pwr 100/100</td><td>p 1.000 m Emissi 06:08:00 T Mkr1 2.4 2.</td><td>000 000 200 20 20 20 20 20 20 20 20 20 20 20</td></tr><tr><td>Res BW 100 kHz           3G           Band Edge           glent Spectrum Analyzer – Swepp           RL         RF           Senter Freq 2.526000           Center Freq 2.46 dB           Center Freq 2.47 for Center Freq</td><td>SA           AC           AC           OOO GHz           B           B           B           SM           Comparison           Comparison           A           A           B           B           SM           Comparison           A           Comparison           Comparison           Comparison           Comparison           Comparison           Comparison           Comparison           Comparison     <td>g) NVN7</td><td>T 3-DH5 2</td><td></td><td>Log-Pwr 100/100</td><td>2.000 m Emissi 06:08:00 T Mkr1 2.4 2. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.</td><td>s (1001 pts iON 0 PM Jun 05, 2023 RACE   2 3 4 5 TYPE [M VIN N N 0 ET P N N N N 77 9 GH: 340 dBn -1302 dB -1302 dB -1302 dB</td></td></tr><tr><td>Rel Ref Offset 2.46 dl           Ref Offset 2.46 dl         Ref Offset 2.46 dl           O dB/div         Ref Offset 2.46 dl           99         1         -           12.5         -         -           7.54         -         -           17.5         -         -           7.54         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.6         -         -           17.7         -         -           17.6         -         -           17.6         -         -           17.7         -         -           17.8         -         -           17.8         -         -           17.8         -         -           17.8         -         -<!--</td--><td>2.477 9 GHz</td><td>g) NVNT SE PN0: Fast ↔ Gain:Low #VBW</td><td>T 3-DH5 2</td><td></td><td>Log-Pwr 100/100</td><td>2.000 m Emissi 06:08:00 T Mkr1 2.4 2. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.</td><td>s (1001 pts iON 0 PM Jun 05, 2023 RACE   2 3 4 5 TYPE [M VIN N N 0 ET P N N N N 77 9 GH: 340 dBn -1302 dB -1302 dB -1302 dB</td></td></tr><tr><td>Res BW 100 kHz           Band Edge           Band Edge           RL         RF         SO ©           Ref Offset 2.46 dB           O dB/div         Ref 22.46 dB           O dB/div         Colspan="2"&gt;O dB/div           S data         Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;O data           O data         Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"Colspa="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="</td><td>SA           AC           0000 GHz           F           IF           dB           3m           2.477 9 GHz           2.477 9 GHz           2.483 5 GHz           2.500 0 GHz</td><td>g) NVN PNO: Fast → Gain:Low #VBW 2.340 d -59.304 d -59.304 d</td><td>T 3-DH5 2</td><td></td><td>Log-Pwr 100/100</td><td>2.000 m Emissi 06:08:00 T Mkr1 2.4 2. 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IF           dB           3m           2.477 9 GHz           2.477 9 GHz           2.483 5 GHz           2.500 0 GHz</td><td>g) NVN PNO: Fast → Gain:Low #VBW 2.340 d -59.304 d -59.304 d</td><td>T 3-DH5 2</td><td></td><td>Log-Pwr 100/100</td><td>2.000 m Emissi 06:08:00 T Mkr1 2.4 2. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.</td><td>s (1001 pts iON 0 PM Jun 05, 2027 RACE 11 2 3 4 5 TYPE [M WIN NN 77 9 GH: 340 dBn -13.02 dB</td></tr><tr><td>Res BW 100 kHz         Band Edge         Band Edge         RL RE 50 0         Ref Offset 2.46 dB         O dB/div         Ref 22.46 dB         O dB/div         Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"Colspan="2"&gt;Colspan="2"</td><td>SA           AC           0000 GHz           F           IF           dB           3m           2.477 9 GHz           2.477 9 GHz           2.483 5 GHz           2.500 0 GHz</td><td>g) NVN PNO: Fast → Gain:Low #VBW 2.340 d -59.304 d -59.304 d</td><td>T 3-DH5 2</td><td></td><td>Log-Pwr 100/100</td><td>2.000 m Emissi 06:08:00 T Mkr1 2.4 2. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.</td><td>s (1001 pts iON 0 PM Jun 05, 2027 RACE 11 2 3 4 5 TYPE [M WIN NN 77 9 GH: 340 dBn -13.02 dB</td></tr></tr>	AC     AC     B B B B B B B B B B B B B B B B B B	g) NVNT	T 3-DH5 2	ABOMHZ H	Log-Pwr 100/100	p 1.000 ms Emissi 06:08:0 T Mkr1 2.4 2.	s (1001 pts iON 0 PM Jun 05, 2027 RACE 11 2 3 4 5 TYPE [M WIN NN 77 9 GH: 340 dBn -13.02 dB	Res BW 100 kHz           Band Edge           Band Edge           Blent Spectrum Analyzer Sweet           Ref 0 offset 2.46 de           Ref 0 offset 2.46 de           O dB/div           Ref 0 offset 2.46 de           O dB/div           Ref 0 offset 2.46 de           O dB/div           Colspan="2">Colspan="2"           Colspan="2">Colspan="2"           Colspan="2"           Colspan="2"           Colspan="2"           Colspan="2"           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 -         -           17.6         -         -           17.7         -         -           17.6         -         -           17.6         -         -           17.7         -         -           17.8         -         -           17.8         -         -           17.8         -         -           17.8         -         - </td <td>2.477 9 GHz</td> <td>g) NVNT SE PN0: Fast ↔ Gain:Low #VBW</td> <td>T 3-DH5 2</td> <td></td> <td>Log-Pwr 100/100</td> <td>2.000 m Emissi 06:08:00 T Mkr1 2.4 2. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.</td> <td>s (1001 pts iON 0 PM Jun 05, 2023 RACE   2 3 4 5 TYPE [M VIN N N 0 ET P N N N N 77 9 GH: 340 dBn -1302 dB -1302 dB -1302 dB</td>	2.477 9 GHz	g) NVNT SE PN0: Fast ↔ Gain:Low #VBW	T 3-DH5 2		Log-Pwr 100/100	2.000 m Emissi 06:08:00 T Mkr1 2.4 2. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	s (1001 pts iON 0 PM Jun 05, 2023 RACE   2 3 4 5 TYPE [M VIN N N 0 ET P N N N N 77 9 GH: 340 dBn -1302 dB -1302 dB -1302 dB	Res BW 100 kHz           Band Edge           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          12.5         -         -           7.54         -         -           17.5         -         -           7.54         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.6         -         -           17.7         -         -           17.6         -         -           17.6         -         -           17.7         -         -           17.8         -         -           17.8         -         -           17.8         -         -           17.8         -         - </td <td>2.477 9 GHz</td> <td>g) NVNT SE PN0: Fast ↔ Gain:Low #VBW</td> <td>T 3-DH5 2</td> <td></td> <td>Log-Pwr 100/100</td> <td>2.000 m Emissi 06:08:00 T Mkr1 2.4 2. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.</td> <td>s (1001 pts iON 0 PM Jun 05, 2023 RACE   2 3 4 5 TYPE [M VIN N N 0 ET P N N N N 77 9 GH: 340 dBn -1302 dB -1302 dB -1302 dB</td>	2.477 9 GHz	g) NVNT SE PN0: Fast ↔ Gain:Low #VBW	T 3-DH5 2		Log-Pwr 100/100	2.000 m Emissi 06:08:00 T Mkr1 2.4 2. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	s (1001 pts iON 0 PM Jun 05, 2023 RACE   2 3 4 5 TYPE [M VIN N N 0 ET P N N N N 77 9 GH: 340 dBn -1302 dB -1302 dB -1302 dB	Res BW 100 kHz           Band Edge           Band Edge           RL         RF         SO ©           Ref Offset 2.46 dB           O dB/div         Ref 22.46 dB           O dB/div         Colspan="2">O dB/div           S data         Colspan="2">Colspan="2">Colspan="2">O data           O data         Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Colspa="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="	SA           AC           0000 GHz           F           IF           dB           3m           2.477 9 GHz           2.477 9 GHz           2.483 5 GHz           2.500 0 GHz	g) NVN PNO: Fast → Gain:Low #VBW 2.340 d -59.304 d -59.304 d	T 3-DH5 2		Log-Pwr 100/100	2.000 m Emissi 06:08:00 T Mkr1 2.4 2. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	s (1001 pts iON 0 PM Jun 05, 2027 RACE 11 2 3 4 5 TYPE [M WIN NN 77 9 GH: 340 dBn -13.02 dB	Res BW 100 kHz           3G           Band Edge           Band Edge           Bernd Edge           Senter Freq 2.526000           Ref Offset 2.46 dE           9           12.5           12.6           12.7           12.6           12.7           12.6           12.7           12.6           13.7           14.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           16.5           17.5           17.5           17.5           17.5           17.5           17.5           17.5           17.5           17.5           17.5           17.5	SA           AC           0000 GHz           F           IF           dB           3m           2.477 9 GHz           2.477 9 GHz           2.483 5 GHz           2.500 0 GHz	g) NVN PNO: Fast → Gain:Low #VBW 2.340 d -59.304 d -59.304 d	T 3-DH5 2		Log-Pwr 100/100	2.000 m Emissi 06:08:00 T Mkr1 2.4 2. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	s (1001 pts iON 0 PM Jun 05, 2027 RACE 11 2 3 4 5 TYPE [M WIN NN 77 9 GH: 340 dBn -13.02 dB	Res BW 100 kHz         Band Edge         Band Edge         RL RE 50 0         Ref Offset 2.46 dB         O dB/div         Ref 22.46 dB         O dB/div         Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Colspan="2">Colspan="2"	SA           AC           0000 GHz           F           IF           dB           3m           2.477 9 GHz           2.477 9 GHz           2.483 5 GHz           2.500 0 GHz	g) NVN PNO: Fast → Gain:Low #VBW 2.340 d -59.304 d -59.304 d	T 3-DH5 2		Log-Pwr 100/100	2.000 m Emissi 06:08:00 T Mkr1 2.4 2. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	s (1001 pts iON 0 PM Jun 05, 2027 RACE 11 2 3 4 5 TYPE [M WIN NN 77 9 GH: 340 dBn -13.02 dB	
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Rel Ref Offset 2.46 dl           Ref Offset 2.46 dl         Ref Offset 2.46 dl           O dB/div         Ref Offset 2.46 dl           99         1         -           12.5         -         -           7.54         -         -           17.5         -         -           7.54         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.5         -         -           17.6         -         -           17.7         -         -           17.6         -         -           17.6         -         -           17.7         -         -           17.8         -         -           17.8         -         -           17.8         -         -           17.8         -         - </td <td>2.477 9 GHz</td> <td>g) NVNT SE PN0: Fast ↔ Gain:Low #VBW</td> <td>T 3-DH5 2</td> <td></td> <td>Log-Pwr 100/100</td> <td>2.000 m Emissi 06:08:00 T Mkr1 2.4 2. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.</td> <td>s (1001 pts iON 0 PM Jun 05, 2023 RACE   2 3 4 5 TYPE [M VIN N N 0 ET P N N N N 77 9 GH: 340 dBn -1302 dB -1302 dB -1302 dB</td>	2.477 9 GHz	g) NVNT SE PN0: Fast ↔ Gain:Low #VBW	T 3-DH5 2		Log-Pwr 100/100	2.000 m Emissi 06:08:00 T Mkr1 2.4 2. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	s (1001 pts iON 0 PM Jun 05, 2023 RACE   2 3 4 5 TYPE [M VIN N N 0 ET P N N N N 77 9 GH: 340 dBn -1302 dB -1302 dB -1302 dB																																																
Res BW 100 kHz           Band Edge           Band Edge           RL         RF         SO ©           Ref Offset 2.46 dB           O dB/div         Ref 22.46 dB           O dB/div         Colspan="2">O dB/div           S data         Colspan="2">Colspan="2">Colspan="2">O data           O data         Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Colspa="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="	SA           AC           0000 GHz           F           IF           dB           3m           2.477 9 GHz           2.477 9 GHz           2.483 5 GHz           2.500 0 GHz	g) NVN PNO: Fast → Gain:Low #VBW 2.340 d -59.304 d -59.304 d	T 3-DH5 2		Log-Pwr 100/100	2.000 m Emissi 06:08:00 T Mkr1 2.4 2. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	s (1001 pts iON 0 PM Jun 05, 2027 RACE 11 2 3 4 5 TYPE [M WIN NN 77 9 GH: 340 dBn -13.02 dB																																																
Res BW 100 kHz           3G           Band Edge           Band Edge           Bernd Edge           Senter Freq 2.526000           Ref Offset 2.46 dE           9           12.5           12.6           12.7           12.6           12.7           12.6           12.7           12.6           13.7           14.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           15.5           16.5           17.5           17.5           17.5           17.5           17.5           17.5           17.5           17.5           17.5           17.5           17.5	SA           AC           0000 GHz           F           IF           dB           3m           2.477 9 GHz           2.477 9 GHz           2.483 5 GHz           2.500 0 GHz	g) NVN PNO: Fast → Gain:Low #VBW 2.340 d -59.304 d -59.304 d	T 3-DH5 2		Log-Pwr 100/100	2.000 m Emissi 06:08:00 T Mkr1 2.4 2. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	s (1001 pts iON 0 PM Jun 05, 2027 RACE 11 2 3 4 5 TYPE [M WIN NN 77 9 GH: 340 dBn -13.02 dB																																																
Res BW 100 kHz         Band Edge         Band Edge         RL RE 50 0         Ref Offset 2.46 dB         O dB/div         Ref 22.46 dB         O dB/div         Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Colspan="2">Colspan="2"	SA           AC           0000 GHz           F           IF           dB           3m           2.477 9 GHz           2.477 9 GHz           2.483 5 GHz           2.500 0 GHz	g) NVN PNO: Fast → Gain:Low #VBW 2.340 d -59.304 d -59.304 d	T 3-DH5 2		Log-Pwr 100/100	2.000 m Emissi 06:08:00 T Mkr1 2.4 2. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	s (1001 pts iON 0 PM Jun 05, 2027 RACE 11 2 3 4 5 TYPE [M WIN NN 77 9 GH: 340 dBn -13.02 dB																																																

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# 9. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	-51.6	<=-20	Pass
NVNT	1-DH5	2441	-53.37	<=-20	Pass
NVNT	1-DH5	2480	-53.39	<=-20	Pass
NVNT	2-DH5	2402	-51.13	<=-20	Pass
NVNT	2-DH5	2441	-52.11	<=-20	Pass
NVNT	2-DH5	2480	-52.52	<=-20	Pass
NVNT	3-DH5	2402	-50.78	<=-20	Pass
NVNT	3-DH5	2441	-52.66	<=-20	Pass
NVNT	3-DH5	2480	-52.82	<=-20	Pass



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		Γχ . Sou		est Graph	s 5 2402MHz	z Ref	
gilent Spectru	m Analyzer - Swept SA	n. Opu					
(IRL	RF 50 Ω AC		SE	NSE:INT	ALIGNAUTO	_	05:17:14 PM Jun 05, 202
Center Fre	eq 2.40200000	PN	IO: Wide ↔ Gain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: L Avg Hold: 10	.og-Pwr 10/100	TRACE 1 2 3 4 5 TYPE MWWWW DET P N N N N
l0 dB/div	Ref Offset 2.57 dB Ref 22.57 dBm					Mkr1	2.401 998 5 GH 6.361 dBr
-og							
12.6				1			
2.57			www		Mun		
2.37			AND A		Sand		
-7.43			-		<b>`</b>		
-17.4	man					مكرية	m.
-17.4	~~~~~~						and the second
-27.4	con V						
and and a							, MW
-37.4							
-47.4							
-57.4							
-67.4							
#Res BW 1				300 kHz	STATUS	Sweep	1.000 ms (1001 pts
		Souriou	IC NIV/N	T 1_DH5 2	102MH7 E	mission	
Agilent Spectru		Spurio	us NVN	T 1-DH5 2	402MHz E	mission	
XI RL	<mark>m Analyzer - Swept SA</mark> RF 50 Ω AC			NSE:INT	ALIGNAUTO		05:17:20 PM Jun 05, 2023
XI RL	m Analyzer - Swept SA	00 GHz				.og-Pwr 1	TRACE 12345 TYPE MWWW DET PNNNN
20 dB/div	<mark>m Analyzer - Swept SA</mark> RF 50 Ω AC	00 GHz Pr IFC	SE NO: Fast ↔	NSE:INT	ALIGNAUTO Avg Type: L	.og-Pwr 1	05:17:20 PM Jun 05, 202 TRACE []: 23 4 5 TYPE MWWWW DET P NNNN Kr1 2.401 7 GH2 1.965 dBn
Center Fro	m Analyzer - Swept SA RF 50 Ω AC eq 13.2650000 Ref Offset 2.57 dB	00 GHz Pr IFC	SE NO: Fast ↔	NSE:INT	ALIGNAUTO Avg Type: L	.og-Pwr 1	TRACE 12345 TYPE MWWWW DET P N N N N Kr1 2.401 7 GH:
20 dB/div	m Analyzer - Swept SA RF 50 Ω AC eq 13.2650000 Ref Offset 2.57 dB	00 GHz Pr IFC	SE NO: Fast ↔	NSE:INT	ALIGNAUTO Avg Type: L	.og-Pwr 1	TRACE 12345 TYPE MWWWW DET P N N N N Kr1 2.401 7 GH:
20 dB/div Log	m Analyzer - Swept SA RF 50 Ω AC eq 13.2650000 Ref Offset 2.57 dB	00 GHz Pr IFC	SE NO: Fast ↔	NSE:INT	ALIGNAUTO Avg Type: L	.og-Pwr 1	TRACE 12345 TYPE MWWWW DET P N N N N Kr1 2.401 7 GH:
X         RL           Center Fre           10 dB/div           12.6           2.57           -7.43           -17.4	m Analyzer - Swept SA RF 50 Ω AC eq 13.2650000 Ref Offset 2.57 dB	00 GHz Pr IFC	SE NO: Fast ↔	NSE:INT	ALIGNAUTO Avg Type: L	.og-Pwr 1	IRACE [] 2345 TYPE MMMMM DET PNNNN kr1 2.401 7 GH: 1.965 dBn
A         RL           Center From           10 dB/div           12 6           12 6           2.57           -7.43           -17.4           -27.4	m Analyzer - Swept SA RF 50 Ω AC eq 13.2650000 Ref Offset 2.57 dB	00 GHz Pr IFC	SE NO: Fast ↔	NSE:INT	ALIGNAUTO Avg Type: L	.og-Pwr 1	IRACE [] 2345 TYPE MYMMM Det [P NNNN kr1 2.401 7 GH: 1.965 dBn
Image: Rel content of the second se	m Analyzer - Swept SA RF 50 Ω AC eq 13.2650000 Ref Offset 2.57 dB	00 GHz Pr IFC	SE NO: Fast ↔	NSE:INT	ALIGNAUTO Avg Type: L	.og-Pwr 1	IRACE [] 2345 TYPE MMMMM DET PNNNN kr1 2.401 7 GH: 1.965 dBn
RL         Center Fra           10 dB/div         2.57           12.6	m Analyzer - Swept SA RF 50 0 AC eq 13.2650000 Ref Offset 2.57 dB Ref 22.57 dBm	00 GHz Pr IFC	SE NO: Fast ↔	NSE:INT	ALIGNAUTO Avg Type: L	.og-Pwr 1 M	IRACE [] 2345 TYPE MYMMM Det [P NNNN kr1 2.401 7 GH: 1.965 dBn
Image: Rel content of the second se	m Analyzer - Swept SA RF 50 0 AC eq 13.2650000 Ref Offset 2.57 dB Ref 22.57 dBm	00 GHz Pr IFC	SE NO: Fast ↔	NSE:INT	ALIGNAUTO Avg Type: L	.og-Pwr 1	IRACE [] 2345 TYPE MYMMM Det [P NNNN kr1 2.401 7 GH: 1.965 dBn
Image: Center Free           12.6           2.57           -7.43           -17.4           -37.4           -47.4           -57.4           -67.4	m Analyzer - Swept SA RF 50 0 A C eq 13.2650000 Ref Offset 2.57 dB Ref 22.57 dBm	00 GHz Pr IFC	SE NO: Fast ↔	NSE:INT	ALIGNAUTO Avg Type: L	.og-Pwr 1 M	IRACE [] 2345 TYPE [] WINNIN kr1 2.401 7 GH; 1.965 dBn -1384 @
Image: Center Free           10 dB/div           12 d           12 d           2.57           -7.43           -17.4           -27.4           -37.4           -57.4           -67.4           -67.4           Start 30 M           #Res BW 1	m Analyzer - Swept SA RF   50 g AC eq 13.2650000 Ref Offset 2.57 dB Ref 22.57 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	00 GHz Pr IFC	5 10: Fast +>+ Sain:Low	NSE:INT		.og-Pwr 1 M	ITRACE [] 23.4 S TYPE [] WINNIN kr1 2.401 7 GH; 1.965 dBn -13.64 dB -13.64 d
Image: Content of the second	m Analyzer - Swept SA RF 50 0 A C eq 13.2650000 Ref Offset 2.57 dB Ref 22.57 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	00 GHz PI IFC	NO: Fast →→→ Dain:Low	NSE:INT	ALIGNAUTO Avg Type: L	.og-Pwr 1 M	ITRACE [] 23.4 S TYPE M MANAGEMENT DET [P NNNN kr1 2.401 7 GH; 1.965 dBn -13.84 dB
Image: Content of the second	m Analyzer - Swept SA RF 50 0 AC eq 13.26500000 Ref Offset 2.57 dB Ref 22.57 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	2.401 7 GHz	10: Fast → Sain:Low 5ain:Low #VBW 1.965 d 4.52.849 d 4.50.833 d	NSE:INT		.og-Pwr 1 M	ITRACE [] 23.4 S TYPE [] WINNIN kr1 2.401 7 GH; 1.965 dBn -13.64 dB -13.64 d
ID         dB/div           10         dB/div           12.6	m Analyzer - Swept SA RF 50 2 AC eq 13.2650000 Ref Offset 2.57 dB Ref 22.57 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	2.401 7 GHz	NO: Fast →→→ Dain:Low	NSE:INT		.og-Pwr 1 M	ITRACE [] 23.4 S TYPE [] WINNIN kr1 2.401 7 GH; 1.965 dBn -13.64 dB -13.64 d
ID         dB/div           10         dB/div           12.6	m Analyzer - Swept SA RF 50 2 AC eq 13.2650000 Ref Offset 2.57 dB Ref 22.57 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	2.401 7 GHz	00: Fast →→ Gain:Low #VBW #VBW 1.965 d -45.249 d -56.833 d -56.140 d	NSE:INT		.og-Pwr 1 M	ITRACE [] 23.4 S TYPE [] WINNIN kr1 2.401 7 GH; 1.965 dBn -13.64 dB -13.64 d
Image: system in the	m Analyzer - Swept SA RF 50 2 AC eq 13.2650000 Ref Offset 2.57 dB Ref 22.57 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	2.401 7 GHz	00: Fast →→ Gain:Low #VBW #VBW 1.965 d -45.249 d -56.833 d -56.140 d	NSE:INT		.og-Pwr 1 M	IRACE [] 23.4 S TYPE [] MUNUM kr1 2.401 7 GH; 1.965 dBn -13.84 dB -13.84 dB
IO         dB/div           Center Fr           Og           12           Og           12.6           2.57           -7.43           -17.4           -37.4           -47.4           -57.4           -47.4           -57.4           -67.4           -80.5           10           MRes BW 1           1           2           1           3           1           4           1           3           1           4           1           1           2           1           3           1           4           1           5           1           1           4           7           8           9           10	m Analyzer - Swept SA RF 50 2 AC eq 13.2650000 Ref Offset 2.57 dB Ref 22.57 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	2.401 7 GHz	00: Fast →→ Gain:Low #VBW #VBW 1.965 d -45.249 d -56.833 d -56.140 d	NSE:INT		.og-Pwr 1 M	IRACE [] 23.4 S TYPE [] MUNUM kr1 2.401 7 GH; 1.965 dBn -13.84 dB -13.84 dB
Image: Center Free Section 10         Center Free Section 10           12         12           12         12           12         12           12         12           12         12           12         12           17         14           -77.4         14           -77.4         14           -77.4         14           -67.4         14           -67.4         14           Start 30 M         16           1         N         1           2         N         1           3         N         1           4         N         1           5         N         1           6         7         8           9         9         1	m Analyzer - Swept SA RF 50 2 AC eq 13.2650000 Ref Offset 2.57 dB Ref 22.57 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	2.401 7 GHz	00: Fast →→ Gain:Low #VBW #VBW 1.965 d -45.249 d -56.833 d -56.140 d	NSE:INT		.og-Pwr 1 M	IRACE [] 23.4 S TYPE [] MUNUM kr1 2.401 7 GH; 1.965 dBn -13.84 dB -13.84 dB



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			irious N		5 2441MH	21101	
XI RL	RF         50 Ω           Freq 2.441000	AC 000 GHz P	NO: Wide Gain:Low	EENSE:INT Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Avg Hold: 7		05:21:00 PM Jun 05, 2023 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P N N N N N
10 dB/div	Ref Offset 2.54 Ref 22.54 dB					Mkr1 2	.441 003 0 GHz 8.264 dBm
12.5				. 1			
			m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
2.54		~~~~	- A A		· · · · · ·	h	
-7.46	~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				- have been	أبكر
-17.5	man						- Www
-27.5	- <sup></sup>						- Www.W
-37.5							
-47.5							
-57.5							
-67.5							
Center 2	2.4410000 GHz						Span 1.500 MHz
	N 100 kHz		#VPI	M 200 LU-			AAA
ISG			#VD	W 300 kHz		Sweep 1	.000 ms (1001 pts)
ISG	T›	. Spurio			Kostatus 2441MHz E	•	.000 ms (1001 pts)
Agilent Spe	<b>Ctrum Analyzer - Swept</b>	SA	ous NVN		2441MHz E	Emission	05:21:31 PM Jun 05, 2023
Agilent Spe XI R L	ctrum Analyzer - Swept	SA AC 0000 GHz	ous NVN	IT 1-DH5 2	2441MHz E	mission	05:21:31 PM Jun 05, 2023 TRACE 11 23 4 5 6 TYPE M MANAMA
Agilent Sper XI RL Center	ctrum Analyzer - Swept	SA AC     0000 GHz    F IF		IT 1-DH5 2 SENSE:INT Trig: Free Run	2441MHz E alignauto Avg Type:	Emission Log-Pwr 10/10	05:21:31 PM Jun 05, 2023 TRACE 12 3 4 5 6 TYPE M WWWWW DET P N N N N T1 2.441 4 GHz
Agilent Sper XI RL Center	ctrum Analyzer - Swept	SA AC     0000 GHz    F IF		IT 1-DH5 2 SENSE:INT Trig: Free Run	2441MHz E alignauto Avg Type:	Emission Log-Pwr 10/10	05:21:31 PM Jun 05, 2023 TRACE 1 2 3 4 5 4 TYPE M WWWWW DET P N N N N
Agilent Sper X RL Center 10 dB/div Og 12.5 2.54	ctrum Analyzer - Swept	SA AC     0000 GHz    F IF		IT 1-DH5 2 SENSE:INT Trig: Free Run	2441MHz E alignauto Avg Type:	Emission Log-Pwr 10/10	05:21:31 PMJun05, 2023 TRACE 12:3:4:5 TYPE MWWWW DETP NNNN r1 2.441 4 GHz 8.160 dBm
Agilent Sper XI RL Center	ctrum Analyzer - Swept	SA AC     0000 GHz    F IF		IT 1-DH5 2 SENSE:INT Trig: Free Run	2441MHz E alignauto Avg Type:	Emission Log-Pwr 10/10	05:21:31 PM Jun 05, 2023 TRACE 12 3 4 5 6 TYPE M WWWWW DET P N N N N T1 2.441 4 GHz
Agilent Sper X RL Center 10 dB/div 0 g 12.5 2.54 -7.46	ctrum Analyzer - Swept	SA AC     0000 GHz    F IF		IT 1-DH5 2 SENSE:INT Trig: Free Run	2441MHz E alignauto Avg Type:	Emission Log-Pwr 10/10	05:21:31 PMJun 05, 2023 TRACE [12 3 4 5 6 TYPE MWWWW DET[P N NNN N r1 2.441 4 GHz 8.160 dBm
Agilent Spee X RL Center 10 dB/div 0g 12.5 .2.54 .17.5 .2.7.6 .37.5 .47.5	ctrum Analyzer - Swept	SA AC     0000 GHz    F IF		IT 1-DH5 2 SENSE:INT Trig: Free Run	2441MHz E alignauto Avg Type:	Emission Log-Pwr 10/10	05:21:31 PMJun 05, 2023 TRACE [12 3 4 5 6 TYPE MWWWW DET[P N NNN N r1 2.441 4 GHz 8.160 dBm
X RL Center 10 dB/div og 12.5 2.54 -7.46 -17.5 -27.5 -37.5	ctrum Analyzer - Swept	SA AC     0000 GHz    F IF		IT 1-DH5 2 SENSE:INT Trig: Free Run	2441MHz E alignauto Avg Type:	Emission Log-Pwr 10/10	05:21:31 PMJun 05, 2023 TRACE 112 3 4 5 6 TYPE MWWWWW DET P N NN N r1 2.441 4 GHz 8.160 dBm
Agilent Spe 27 RL Center 12.6 2.54 -7.46 -7.46 -7.46 -7.46 -7.46 -7.45 -7.5 -7.5 -7.5 -7.5 -7.5 -7.5 -7.5 -7.	Ref         Offset 2.54           α         1	SA AC     0000 GHz    F IF	PNC: Fast	IT 1-DH5 2 SENSE:INT Trig: Free Run	2441MHz E alignauto Avg Type:	Log-Pwr 10/10 Mk	05:21:31 PM Jun 05, 2023 TRACE 12 3 4 5 6 TYPE M Jun 05, 2023 TYPE M Jun 05, 2025 TYPE M
Agilent Spe 27 RL Center 12.5 2.54 17.5 -27.5 -37.5 -57.5	ctrum Analyzer - Swept. RF 90 Ω Freq 13.265000 Ref Offset 2.54 Ref 22.54 dB 1 0 0 0 0 0 0 0 0 0 0 0 0 0	SA AC ODOOO GHZ F F B M M A A A A A A A A A A A A A A A A A	PRO: Fast	IT 1-DH5 2	2441MHz E alignauto Avg Type:	Log-Pwr 10/10 Mk	05:21:31 PM Jun 05, 2023 ITRACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N r1 2.441 4 GHz 8.160 dBm -11.74 dBm
Agilent Spe X RL Center 10 dB/div Log 12.5 2.54 -7.46 -7.46 -7.46 -7.5 -7	Ctrum Analyzer - Swept PF 90 92 Freq 13.265000 Ref Offset 2.54 7 Ref 22.54 dB 1 1 1 1 1 1 1 1 1 1 1 1 1	5A AC 00000 GHz IF IF dB IM dB IM 4 2441 4 GHz 25.728 0 GHz 4.882 0 GHz	PRO: Fast	UT 1-DH5 2	ALIGNAUTO Avg Type: Avg Hold: 7	Log-Pwr 10/10 Mk	05:21:31 PM Jun 05, 2023 TRACE 1 2 3 4 5 6 TYPE M Jun 05, 2023 TYPE M Jun 05, 2023 TYPE M Jun 05, 2023 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 TRACE 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 1 2 3 4 5 6
Agient Spe R RL Center 10 dB/div Log 12.5 2.54 -7.46 -7.46 -7.46 -7.46 -7.46 -7.5 -	Ctrum Analyzer - Swept           RF         90 Ω           Freq 13.26500         90 Ω           Ref Offset 2.54         90 Ω           Ref 22.54 dB         1           1         1           0         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1	5A AC 00000 GHz H H H H H H H H H H H H H H H H H H	PNC: Fast Gain:Low	UT 1-DH5 2	ALIGNAUTO Avg Type: Avg Hold: 7	Log-Pwr 10/10 Mk	05:21:31 PM Jun 05, 2023 TRACE 1 2 3 4 5 6 TYPE M Jun 05, 2023 TYPE M Jun 05, 2023 TYPE M Jun 05, 2023 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 TRACE 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 1 2 3 4 5 6
Agilent Spe Agilent Spe Agile	Ref Offset 2.54           ∞           7	5A AC     00000 GHz   H dB im 2 2.441 4 GHz 25.728 0 GHz 4.882 0 GHz 7.366 6 GHz	PNC: Fast	UT 1-DH5 2	ALIGNAUTO Avg Type: Avg Hold: 7	Log-Pwr 10/10 Mk	05:21:31 PM Jun 05, 2023 TRACE 2 3 4 5 1 TYPE M Jun 05, 2023 TYPE M Jun 05, 2023 TYPE M Jun 05, 2023 TYPE M Jun 05, 2023 1 2 3 4 5 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 3 4 5 1 TYPE M Jun 05, 2023 1 2 4 4 1 4 GHz -1174 dBm 2 2 2 2 Stop 26,50 GHz 2.530 s (30001 pts)
Agilent Spe           X         RL           Center         International State S	Ref Offset 2.54           ∞           7	5A AC     00000 GHz   H dB im 2 2.441 4 GHz 25.728 0 GHz 4.882 0 GHz 7.366 6 GHz	PNC: Fast	UT 1-DH5 2	ALIGNAUTO Avg Type: Avg Hold: 7	Log-Pwr 10/10 Mk	05:21:31 PM Jun 05, 2023 TRACE 1 2 3 4 5 6 TYPE M Jun 05, 2023 TYPE M Jun 05, 2023 TYPE M Jun 05, 2023 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 TRACE 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 TYPE M Jun 05, 2023 1 2 3 4 5 6 1 2 3 4 5 6



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2zer - Swept SA 50 Q AC 180000000 GHz Tset 2.46 dB 2.46 dBm	Z PNO: Wide IFGain:Low	SENSE:INT - Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100 Mkr1	05:22:53 PM Jun 05, 2023 TRACE []= 24 5 TYPE [MWWWW DET [P NNNN 2.480 151 5 GH: 7.719 dBn
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Marana	and the second s			
Manna	and the second s	······		
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zer - Swept SA 50 Ω AC		NT 1-DH5 24		05:23:24 PM Jun 05, 202 TRACE 1 2 3 4 5
.265000000 GH	HZ PNO: Fast ↔ IFGain:Low		Avg Type: Log-Pwr Avg Hold: 10/10	DET PNNN
ffset 2.46 dB 2 <b>2.46 dBm</b>			M	lkr1 2.480 2 GH 7.389 dBr
				-12.28 dB
	-4 5			^2
	$\mathcal{O}$			
	1			
3 				Stop 26.50 GH 2.530 s (30001 pts
diama di anti-	#VE	300 kHz	Sweep	2.000 S (00001 Pts
1z 2.480 2 25.691 8 4.959 6 7.291 6 9.857 4	GHz 7.389 GHz 45.678 GHz -45.2390 GHz -52.390 GHz -56.220	FUNCTION 5 9 dBm 3 dBm 6 dBm 5 dBm	-	2.330 S (30001 pts
				- #V/DIM 200 kHz Stucon



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		x. Spuric	ous NVN	T 2-DH5	2402MH	z Ref	
XI RL	Im Analyzer - Swept SA RF 50 Ω AC eq 2.402000000			וד j: Free Run ven: 30 dB	ALIGNAUTO Avg Type: L Avg Hold: 10		05:42:18 PM Jun 05, 20 TRACE 1 2 3 4 TYPE M WWW DET P N N N
10 dB/div	Ref Offset 2.57 dB Ref 22.57 dBm					Mkr	1 2.401 830 GI 5.823 dB
12.6			<b>2</b> 1	20.0 0			
2.57		man	m h	VAN AN Prod 4	Marcan	mm	
-7.43		/				- m	λ
-17.4							
-27.4	- M						h
-37.4 Y My	w w						mm
47.4							
-57.4							
-67.4							
Center 2.4	02000 GHz						Span 2.000 M
Res BW '	100 kHz		#VBW 30	) kHz		Sweep	1.000 ms (1001 p
	Tx.	Spurious	NVNT 2	2-DH5 24	-	mission	
Agilent Spectru XI R L	I <mark>IIII Analyzer - Swept SA</mark> RF 50 Ω AC		SENSE:IP		ALIGNAUTO		05:42:49 PM Jun 05, 20
Center Fr	eq 13.2650000			j: Free Run en: 30 dB	Avg Type: L Avg Hold: 10		TRACE 1 2 3 4 TYPE MWWW DET P N N N
40 10/10	Ref Offset 2.57 dB					М	kr1 2.401 7 GF 1.063 dB
10 dB/div Log 12.6	Ref 22.57 dBm						
2.57	•••						
-17.4							-14.18 (
-27.4							
-47.4		4	5			Letting at least line	
.57.4				standards have been a			
-57.4 -67.4							
-67.4			#VBW 30	) kHz		Sweep	Stop 26.50 GI 2.530 s (30001 p
-67.4 Start 30 M #Res BW 1 MKR MODE TR	100 kHz sal x	2 401 7 GHz	Y		INCTION WIDTH	· ·	Stop 26.50 GI 2.530 s (30001 p MONVALUE
-67.4 Start 30 M #Res BW MKR MODE TR 1 N 1 2 N 1 3 N 1	100 kHz 6 SCL X f 25 f 25 f 4	2.401 7 GHz 5.982 1 GHz 8.804 3 GHz 319 8 GHz	1.063 dBm -45.320 dBm -51.190 dBm		INCTION WIDTH	· ·	2.530 s (30001 p
-67.4 Start 30 M #Res BW MKS MODE TE 1 N 1 2 N 1 3 N 1 4 N 1 5 N 1	100 kHz f 2 f 25 f 25 f 4 f 7	5.982 1 GHz	1.063 dBm -45.320 dBm		UNCTION WIDTH	· ·	2.530 s (30001 p
-67.4 Start 30 M #Res BW MXR MODE TR 1 N 1 2 N 1 3 N 1 4 N 1 5 N 1 6 7 8 9	100 kHz f 2 f 25 f 25 f 4 f 7	5.982 1 GHz 1.804 3 GHz 7.319 8 GHz	1.063 dBm -45.320 dBm -51.190 dBm -55.954 dBm		JINCTION WIDTH	· ·	2.530 s (30001 p
-67.4	100 kHz f 2 f 25 f 25 f 4 f 7	5.982 1 GHz 1.804 3 GHz 7.319 8 GHz	1.063 dBm -45.320 dBm -51.190 dBm -55.954 dBm		JNCTION WIDTH	· ·	2.530 s (30001 p

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			urious N	/NT 2-DH	5 2441MH	z Ref											
X/RL	ctrum Analyzer - Swep	AC   1000 GHz P	SE NO: Wide ↔ Gain:Low	NSE:INT Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Avg Hold: 1		TR	PM Jun 05, 2023 ACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N									
10 dB/div	Ref Offset 2.54 <b>Ref 22.54 dE</b>					MI	(r1 2.441 7.3	140 GHz 302 dBm									
12.5				ma													
2.54		~~~~~~	mon	and we we	A. K. Josephere	᠁ᠬᢧ											
-7.46		So South				- m	Y N										
17.5																	
-27.5							<u> </u>										
-37.5	man						<u>ل</u>	non									
47.5																	
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-67.5																	
	2.441000 GHz V 100 kHz		#VBW	/ 300 kHz		Sweep	Span 1.000 ms	2.000 MH: (1001 pts									
ISG					<b>K</b> STATUS												
Agilant Coor	ctrum Analyzer - Swep		us NVN	T 2-DH5 2	2441MHz E	missior	า										
X/RL																	
	RF 50 Ω Freq 13.26500	AC 00000 GHz		NSE:INT	ALIGNAUTO Avg Type: AvgIHold: 1		TR 1	PM Jun 05, 2023 ACE 1 2 3 4 5 1									
	RF 50 Ω Freq 13.26500	AC DOOOO GHz IF IF	SE PNO: Fast ↔ Gain:Low	NSE:INT Trig: Free Run #Atten: 30 dB		0/10	TR 1	ACE 1 2 3 4 5 TYPE MWWWW DET P N N N N									
Center	RF 50 Ω Freq 13.26500 Ref Offset 2.54	AC DOOOO GHz	PNO: Fast 🔸	Trig: Free Run	Avg Type:	0/10	<sup>TR</sup> 1 Mkr1 2.44										
10 dB/div	RF 50 Ω Freq 13.26500 Ref Offset 2.54	AC DOOOO GHz	PNO: Fast 🔸	Trig: Free Run	Avg Type:	0/10	<sup>TR</sup> 1 Mkr1 2.44										
<b>Center</b>	RF 50 Ω Freq 13.26500 Ref Offset 2.54	AC DOOOO GHz	PNO: Fast 🔸	Trig: Free Run	Avg Type:	0/10	<sup>TR</sup> 1 Mkr1 2.44	ACE 1 2 3 4 5 MEN MANNA DET P N N N N 40 5 GHz 377 dBm									
<b>Center</b>	RF 50 Ω Freq 13.26500 Ref Offset 2.54	AC DOOOO GHz	PNO: Fast 🔸	Trig: Free Run	Avg Type:	0/10	<sup>TR</sup> 1 Mkr1 2.44	ACE 1 2 3 4 5 TYPE M MANAGEM DET P N N N N 10 5 GH2 377 dBn									
Center           10 dB/div           -og           12.5           2.54           -7.46           -17.5           -27.5           -37.5	RF 50 Ω Freq 13.26500 Ref Offset 2.54	AC DOOOO GHz	PNO: Fast 🔸	Trig: Free Run	Avg Type:	0/10	<sup>TR</sup> 1 Mkr1 2.44	ACE 1 2 3 4 5 MYPE M WWWW DET P N N N 40 5 GHz 377 dBm									
10 dB/div           12.5           2.54           -7.46           -7.75           -7.75           -7.75           -7.75	RF 50 Ω Freq 13.26500 Ref Offset 2.54	AC DOOOO GHz	PNO: Fast 🔸	Trig: Free Run	Avg Type:	0/10	<sup>TR</sup> 1 Mkr1 2.44	ACE 1 2 3 4 5 MYPE M WWWW DET P N N N 40 5 GHz 377 dBm									
Log         Block         B	Ref Offset 2.54 Ref Offset 2.54 Ref 22.54 dt	AC DOOOO GHz	PNO: Fast 🔸	Trig: Free Run	Avg Type:	0/10	TR Mkr1 2.44 2.3	ACC 1 2 3 4 5 TYPE M WANNAM DET P N N N 40 5 GHz 377 dBm -1270 dBm									
10 dB/div           12.5           12.5           2.54           -7.46           -17.5           -37.5           -47.5           -57.5           -67.5           Start 30	Ref Offset 2.54 Ref Offset 2.54 Ref 22.54 dt	AC DOOOO GHz	PNO: Fast +++ Gain:Low	Trig: Free Run	Avg Type:		TR Mkr1 2.44 2.3	ACE 1/2 34 5 TYPE M WANNAME DET P N N N 10 5 GHz 377 dBm -1270 dBm 26.50 GHz									
10 dB/div           12.5           2.54           -7.46           -17.5           -37.5           -47.5           -57.5           -67.5           Start 30           #Res BVG           #Res BVG           1	Ref Offset 2.54 Ref 22.54 db	AC 00000 GHz F	PN0: Fast ↔ Gain:Low #VBW	Trig: Free Run #Atten: 30 dB	Avg Type:	Swee	TR Mkr1 2.44 2.3 	ACE 1/2 34 5 TYPE M WANNAME DET P N N N 10 5 GHz 377 dBm -1270 dBm 26.50 GHz									
10 dB/div           12.5           12.5           12.5           12.5           .7.46           .7.46           .7.46           .7.46           .7.46           .7.46           .7.46           .7.46           .7.46           .7.47           .7.48           .7.49           .7.49           .7.40           .7.41           .7.42           .7.45           .7.45           .7.46           .7.47           .7.47           .7.48           .7.49           .7.49           .7.40           .7.41           .7.42           .7.45           .7.46           .7.47           .7.47           .7.47           .7.47           .7.47           .7.47           .7.47           .7.47           .7.47           .7.47           .7.47           .7.47           .7.47           .7.47           .7.47 </td <td>RF         50 %           Freq 13.26500         Ref 0ffset 2.54 dt           Ref 22.54 dt         I           I         I           MHz         I           N 100 KHz         I           I         I           I         I           I         I</td> <td>AC 00000 GHz F</td> <td>PN0: Fast ↔ Gain:Low #VBM 2.377 d 44.817 d 54.628 d 55.087 d</td> <td>Trig: Free Run #Atten: 30 dB</td> <td>Avg Type: Avg Hold: 1</td> <td>Swee</td> <td>Mkr1 2.4 2.3 5top p 2.530 s (</td> <td>ACE 1 2 3 4 5 TYPE M WANNAM DET P N N N 40 5 GHz 377 dBm -1270 dBm 26.50 GHz</td>	RF         50 %           Freq 13.26500         Ref 0ffset 2.54 dt           Ref 22.54 dt         I           I         I           MHz         I           N 100 KHz         I           I         I           I         I           I         I	AC 00000 GHz F	PN0: Fast ↔ Gain:Low #VBM 2.377 d 44.817 d 54.628 d 55.087 d	Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold: 1	Swee	Mkr1 2.4 2.3 5top p 2.530 s (	ACE 1 2 3 4 5 TYPE M WANNAM DET P N N N 40 5 GHz 377 dBm -1270 dBm 26.50 GHz									
10 dB/div           12.5           12.5           12.5           .7.46           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7.5           .7.7           .7.7           .7.7           .7.7           .7.7           .7.7           .7.7           .7.7           .7.7           .7.7           .7.7           .7.7           .7.7           .7.7	RF         50 %           Freq 13.26500         Ref Offset 2.54 dB           Ref 22.54 dB         I           MHz         I           MHz         I           If I         I           If         I           If         I           If         I	AC 00000 GHz F F F B dB 3m 0 dB 3m 0 dB 3m 0 dB 3m 0 dB 3m 0 dB 2 dB 3m 0 dB 3m 0 dB 3m	PN0: Fast ↔ Gain:Low #VBM 2.377 d 44.817 d 54.628 d 55.087 d	Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold: 1	Swee	Mkr1 2.4 2.3 5top p 2.530 s (	ACE 1 2 3 4 5 TYPE M WANNAM DET P N N N 40 5 GHz 377 dBm -1270 dBm 26.50 GHz									
10 dB/div           -0g           12.5           12.5           -7.46           -7.46           -7.46           -7.46           -7.45           -7.46           -7.46           -7.46           -7.46           -7.46           -7.47.5           -7.47.5           -7.48           -7.49           -7.49           -7.40           -7.45           -7.45           -7.46           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5           -7.47.5 <tr td="">           -7.47.5     <!--</td--><td>RF         50 %           Freq 13.26500         Ref 0ffset 2.54 dt           Ref 22.54 dt         I           I         I           MHz         I           N 100 KHz         I           I         I           I         I           I         I</td><td>AC 00000 GHz F</td><td>PN0: Fast ↔ Gain:Low #VBM 2.377 d 44.817 d 54.628 d 55.087 d</td><td>Trig: Free Run #Atten: 30 dB</td><td>Avg Type: Avg Hold: 1</td><td>Swee</td><td>Mkr1 2.4 2.3 500 p 2.530 s (</td><td>ACE 1 2 3 4 5 TYPE M WANNAM DET P N N N 40 5 GHz 377 dBm -1270 dBm 26.50 GHz</td></tr> <tr><td>IO         dB/div           -0g        </td><td>RF         50 %           Freq 13.26500         Ref 0ffset 2.54 dt           Ref 22.54 dt         I           I         I           MHz         I           N 100 KHz         I           I         I           I         I           I         I</td><td>AC 00000 GHz F</td><td>PN0: Fast ↔ Gain:Low #VBM 2.377 d 44.817 d 54.628 d 55.087 d</td><td>Trig: Free Run #Atten: 30 dB</td><td>Avg Type: Avg Hold: 1</td><td>Swee</td><td>Mkr1 2.4 2.3 500 p 2.530 s (</td><td>ACE 1/2 34 5 TYPE M WANNAME DET P N N N 10 5 GHz 377 dBm -1270 dBm 26.50 GHz</td></tr>	RF         50 %           Freq 13.26500         Ref 0ffset 2.54 dt           Ref 22.54 dt         I           I         I           MHz         I           N 100 KHz         I           I         I           I         I           I         I	AC 00000 GHz F	PN0: Fast ↔ Gain:Low #VBM 2.377 d 44.817 d 54.628 d 55.087 d	Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold: 1	Swee	Mkr1 2.4 2.3 500 p 2.530 s (	ACE 1 2 3 4 5 TYPE M WANNAM DET P N N N 40 5 GHz 377 dBm -1270 dBm 26.50 GHz	IO         dB/div           -0g	RF         50 %           Freq 13.26500         Ref 0ffset 2.54 dt           Ref 22.54 dt         I           I         I           MHz         I           N 100 KHz         I           I         I           I         I           I         I	AC 00000 GHz F	PN0: Fast ↔ Gain:Low #VBM 2.377 d 44.817 d 54.628 d 55.087 d	Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold: 1	Swee	Mkr1 2.4 2.3 500 p 2.530 s (	ACE 1/2 34 5 TYPE M WANNAME DET P N N N 10 5 GHz 377 dBm -1270 dBm 26.50 GHz
RF         50 %           Freq 13.26500         Ref 0ffset 2.54 dt           Ref 22.54 dt         I           I         I           MHz         I           N 100 KHz         I           I         I           I         I           I         I	AC 00000 GHz F	PN0: Fast ↔ Gain:Low #VBM 2.377 d 44.817 d 54.628 d 55.087 d	Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold: 1	Swee	Mkr1 2.4 2.3 500 p 2.530 s (	ACE 1 2 3 4 5 TYPE M WANNAM DET P N N N 40 5 GHz 377 dBm -1270 dBm 26.50 GHz										
IO         dB/div           -0g	RF         50 %           Freq 13.26500         Ref 0ffset 2.54 dt           Ref 22.54 dt         I           I         I           MHz         I           N 100 KHz         I           I         I           I         I           I         I	AC 00000 GHz F	PN0: Fast ↔ Gain:Low #VBM 2.377 d 44.817 d 54.628 d 55.087 d	Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold: 1	Swee	Mkr1 2.4 2.3 500 p 2.530 s (	ACE 1/2 34 5 TYPE M WANNAME DET P N N N 10 5 GHz 377 dBm -1270 dBm 26.50 GHz									

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				urious N	IVNT 2-	DH5 24	80MH	z Ref		
XI RL	RF	yzer - Swept S 50 Ω A 4800000	c    00 GHz	PNO: Wide +++ FGain:Low	SENSE:INT . Trig: Free R #Atten: 30 d	un	SNAUTO Avg Type: I Avg Hold: 10		05:48:4	7 PM Jun 05, 2023 RACE 1 2 3 4 5 6 TYPE NWWWWW DET PNNNNN
10 dB/div Log		ffset 2.46 d 2 <b>2.46 dB</b> r						M		010 GHz .191 dBm
12.5						.1				
2.46				and the second	~ hours	man	<u> እላዲ እንግ- የም</u>			
-7.54		ہم	and more thank and					an and a second	- \_	
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Center 2 #Res BW				#VB	W 300 kHz			Swee		n 2.000 MHz s (1001 pts)
MSG										· · ·
1		Тх	Souric	us NV/	JT 2-DH		status MHz F			,
	c <mark>trum Anal</mark> y RF	yzer - Swept S	A		NT 2-DH	5 2480	<b>-</b>		n	8 PM Jun 05, 2023
X/RL	RF	yzer - Swept S	6 000 GHz		SENSE:INT	5 2480 Alic	MHz E	Missio .₀g-₽wr	<b>n</b> 05:49:1	8 PM Jun 05, 2023 RACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N
V RL Center I 10 dB/div	RF Freq 13 Ref 0	<mark>yzer - Swept S</mark> 50 Ω A	A C 0000 GHz I IB	PNO: Fast ↔	SENSE:INT	5 2480 Alic	MHZ E	missio .•g-Pwr 2/10	n 05:49:1 Mkr1 2.4	RACE 1 2 3 4 5 6 TYPE MWWWWW
Center I Center I 10 dB/div 12.5	RF Freq 13 Ref 0	yzer - Swept S 50 Ω Ar 3.265000 0ffset 2.46 d	A C 0000 GHz I IB	PNO: Fast ↔	SENSE:INT	5 2480 Alic	MHZ E	missio .•g-Pwr 2/10	n 05:49:1 Mkr1 2.4	
XI         RL           Center         I           10 dB/div         I           12.5         I           2.46         I           -7.54         I	RF Freq 13 Ref 0	yzer - Swept S 50 Ω Ar 3.265000 0ffset 2.46 d	A C 0000 GHz I IB	PNO: Fast ↔	SENSE:INT	5 2480 Alic	MHZ E	missio .•g-Pwr 2/10	n 05:49:1 Mkr1 2.4	
M         RL           Center         I           10         dB/div           Log         I           12.5         I           2.46         I           -7.54         I           -17.5         I           -27.5         I	RF Freq 13 Ref 0	yzer - Swept S 50 Ω Ar 3.265000 0ffset 2.46 d	A C 0000 GHz I IB	PNO: Fast ↔	SENSE:INT	5 2480 Alic	MHZ E	missio .•g-Pwr 2/10	n 05:49:1 Mkr1 2.4	RACE 1 2 3 4 5 6 TYPE M MMMMM DET P N N N N 80 2 GHz 406 dBm
All         RL           Center I         I           12.6         I           2.46         I           -7.54         I           -37.5         I           -47.5         I	RF Freq 13 Ref 0	yzer - Swept S 50 Ω Ar 3.265000 0ffset 2.46 d	A C 0000 GHz I IB	PNO: Fast ↔	SENSE:INT	5 2480 Alic	MHZ E	og-Pwr 2/10	N 05:49:3 Mkr1 2.4 6	RACE 1 2 3 4 5 6 TYPE MUMUMUM DET P NNNN 80 2 GHz 406 dBm
Al RL Center 1 Center 1	RF Freq 13 Ref 0	yzer - Swept S 50 Ω Ar 3.265000 0ffset 2.46 d	A C 0000 GHz I IB	PNO: Fast ↔	SENSE:INT	5 2480 Alic	Avg Type: I Avg Type: I Avg Hold: 1	og-Pwr 2/10	N 05:49:3 Mkr1 2.4 6	RACE 1 2 3 4 5 6 TYPE MUMMUM DET P NNNN 80 2 GHz 406 dBm
All         RL           Center I         I           12.6         I           2.46         I           -7.54         I           -37.5         I           -47.5         I           -57.5         I	Ref C Ref 2	72er Swept S 50 2 A 3.265000 50 5 A 50 2 A 50 2 50 2	A C 0000 GHz I IB	PNO: Fast FGain:Low	SENSE:INT	5 2480 Alic	Avg Type: I Avg Type: I Avg Hold: 1	missio	05:49:1 Mkr1 2.4 6	RACE 1 2 3 4 5 6 TYPE MUMUMUM DET P NNNN 80 2 GHz 406 dBm
M         RL           Center I           10         dB/div           0g         12.5           2.46	Ref C Ref 2 Ref 2 MHz V 100 k	72er Swept S 50 2 A 3.265000 50 5 A 50 2 A 50 2 50 2	A C C C C C C C C C C C C C	PN0: Fast FGain:Low #VB	SENSE:INT) Trig: Free R #Atten: 30 d W 300 kHz	15 2480	Avg Type: I Avg Type: I Avg Hold: 1	missio .og-Pwr 3/10	05:49:1 Mkr1 2.4 6	RACE [] 23 4 5 6 7 VPE MAXWAY DET P NNNN 80 2 GHz 406 dBm -1281 dBm
Image: Center I           12.5           12.5           2.46           -7.54           -17.5           -37.5           -67.5           Start 30           #Res BV           12           12           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -87.5           -97.5           -97.5           -97.5      -97.5           -97.5	Ref C Ref 1 MHz MHz V 100 k	72er Swept S 50 2 A 3.265000 50 5 A 50 2 A 50 2 50 2	A C C C C C C C C C C C C C	PN0: Fast FGain:Low #VB #VB : 6.406 : -45.336 : -55.635	SENSE:INT Trig: Free R #Atten: 30 d W 300 kHz Bm dBm dBm dBm dBm	15 2480	MHz E	missio .og-Pwr 3/10	N 05:49:1 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	RACE [] 23456 DEF P NNNN BE P NNNNN 80 2 GHz 406 dBm −1281 dBm −1281 dBm
M         RL           Center         I           10         dB/div           og         I           12.5         I           -7.54         I           -7.54         I           -7.55         I           -87.55         I           -97.56         I           -97.57         I           -97.58         I           -97.75         I	Ref C Ref 1 Ref C Ref 1 MHz V 100 k TRO Sk 1 f 1 f	72er Swept S 50 2 A 3.265000 50 5 A 50 2 A 50 2 50 2	A 0000 GHz I B n 3 4 2.480 2 GHz 2.480 2 GHz 2.480 2 GHz 2.480 2 GHz 7.377 2 GHz	PN0: Fast FGain:Low #VB #VB : 6.406 : -45.336 : -55.635	SENSE:INT Trig: Free R #Atten: 30 d W 300 kHz Bm dBm dBm dBm dBm	15 2480	MHz E	missio .og-Pwr 3/10	N 05:49:1 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	RACE [] 23 4 5 6 1 DEF    NNNNN 80 2 GHz 406 dBm -1281 dBm -1281 dBm -2 -2 -2 -2 -2 -2 -2 -2 -2 -2
Image: Center I           10 dB/div.           0g           12.5           2.46           -7.54           -17.5           -27.5           -37.5           -47.5           -57.5           Start 30           #Res BV           1           2           1           2           3           3           4           3           1           1           2           1           3           3           1           1           1           1           1           2           3           3           3           3           3           4           5           7	Ref C Ref 1 Ref C Ref 1 MHz V 100 k TRO Sk 1 f 1 f	72er Swept S 50 2 A 3.265000 50 5 A 50 2 A 50 2 50 2	A 0000 GHz I B n 3 4 2.480 2 GHz 2.480 2 GHz 2.480 2 GHz 2.480 2 GHz 7.377 2 GHz	PN0: Fast FGain:Low #VB #VB : 6.406 : -45.336 : -55.635	SENSE:INT Trig: Free R #Atten: 30 d W 300 kHz Bm dBm dBm dBm dBm	15 2480	MHz E	missio .og-Pwr 3/10	N 05:49:1 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	RACE [] 23 4 5 6 1 DEF    NNNNN 80 2 GHz 406 dBm -1281 dBm -1281 dBm -2 -2 -2 -2 -2 -2 -2 -2 -2 -2

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			irious N	VINT 3-DH	5 2402MH			
LXI RL	ctrum Analyzer - Swept RF 50 Ω Freq 2.402000	AC 000 GHz P	SE NO: Wide ↔→ Gain:Low	ENSE:INT Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Avg Hold: 1	00/100		49 PM Jun 05, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N
10 dB/div Log	Ref Offset 2.57 ( Ref 22.57 dB					Mkr		995 5 GHz 5.275 dBm
12.6								
2.57			A					
-7.43 —	North	- Marine	V	mp - a Lw	M. M	hour and a second s	- Marine	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
-17.4	Marvi							M
-27.4								M
-37.4								
-47.4								
-57.4								
-67.4								
	2.4020000 GHz							n 1.500 MHz
#Res BW	V 100 kHz		#VBV	V 300 kHz	<b>I</b> STATUS	Swee	p 1.000 n	ns (1001 pts)
	Ŧ							
Agilant Spac			us NVN	T 3-DH5 2	2402MHz E	missio	n	
X/RL	RF         50 Ω           Freq 13.265000	SA AC 0000 GHz		T 3-DH5 2 ENSE:INT Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Avg Hold: 7	Log-Pwr		20 PMJun 05, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N
XI RL Center I 10 dB/div	trum Analyzer - Swept RF 50 Ω Freq 13.265000 Ref Offset 2.57	SA AC 0000 GHz	SE PNO: Fast ↔	ENSE:INT	ALIGNAUTO Avg Type:	Log-Pwr	05:58: Mkr1 2.4	TRACE 1 2 3 4 5 6
Z RL Center I 10 dB/div Log	trum Analyzer - Swept RF 50 Ω Freq 13.265000 Ref Offset 2.57	SA AC 0000 GHz	SE PNO: Fast ↔	ENSE:INT	ALIGNAUTO Avg Type:	Log-Pwr	05:58: Mkr1 2.4	
XI         RL           Center         I           10 dB/div         I           12.6         I           2.57         I           -7.43         I	trum Analyzer - Swept RF 50 Ω Freq 13.265000 Ref Offset 2.57	SA AC 0000 GHz	SE PNO: Fast ↔	ENSE:INT	ALIGNAUTO Avg Type:	Log-Pwr	05:58: Mkr1 2.4	
Image: Content of the second	trum Analyzer - Swept RF 50 Ω Freq 13.265000 Ref Offset 2.57	SA AC 0000 GHz	SE PNO: Fast ↔	ENSE:INT	ALIGNAUTO Avg Type:	Log-Pwr	05:58: Mkr1 2.4	123456 TYPE MUMUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU
N         RL           Center         I           10 dB/div         I           12.6         I           12.7         I           -7.43         I           -17.4         I	trum Analyzer - Swept RF 50 Ω Freq 13.265000 Ref Offset 2.57	SA AC 0000 GHz	SE PNO: Fast ↔	ENSE:INT	ALIGNAUTO Avg Type:	Log-Pwr	05:58: Mkr1 2.4	123456 TYPE MUMUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU
All         RL           Center         I           12.6         I           12.6         I           -7.43         I           -27.4         I           -37.4         I	trum Analyzer - Swept RF 50 Ω Freq 13.265000 Ref Offset 2.57	SA AC 0000 GHz	SE PNO: Fast ↔	ENSE:INT	ALIGNAUTO Avg Type:	Log-Pwr	05:58: Mkr1 2.4	TYPE 123456 TYPE MWWWWWW Det P NNNN 4017 GHz .151 dBm
Image: Center I           12.6           2.57           -7.43           -17.4           -37.4           -47.4           -57.4           -57.4           -57.4           Start 30	rrum Analyzer - Swept RF 90 Ω Freq 13.265000 Ref Offset 2.57 Ref 22.57 dB	SA AC 0000 GHz	SE PN0: Fast →→ Gain:Low	ENSE:INT	ALIGNAUTO Avg Type:	Log-Pwr 0/10	05:58: Mkr1 2.4 1	TRACE  1 2 3 4 5 6 TYPE   2 3 4 5 6 TYPE
Image: Content of the second	trum Analyzer - Swept. RF 90.2 Freq 13.265001 Ref Offset 2.57 Ref 22.57 dB	5A AC 00000 GHz dB m 3 3 4 4 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4	PN0: Fast Gain:Low	INSE:INT Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type:	Log-Pwr 0/10	05:58: Mkr1 2.4 1	ТРАСЕ [] 2 3 4 5 6 тоте [] 2 3
XI         RL           Center         I           Og         I           12.6         I           2.57         I           -7.43         I           -17.4         I           -27.4         I           -37.4         I           -67.4         I           Start 30         I           #Res BV         I           1         N           2         N           3         N	RF         90 n           RF         90 n           Freq 13.26500         1           Ref Offset 2.57 dB         1           MHz         1           N 100 kHz         1           1         1           1         1           1         1	5A AC 00000 GHz II II II II II II II II II I	SE PN0: Fast → Gain:Low #VEW 1.151 c 45.509 d -52.629 d -52.629 d	V 300 kHz	ALIGNAUTO Avg Type: Avg Hold: /	Log-Pwr 0/10	05:58: Mkr1 2.4 1 2 2 2 2 3 2 3 2 5 3 2 5 3 2 5 3 2 5 3 5 5 5 5	TRACE [] 2 3 4 5 6 DET [] 2 3
XI         RL           Center I           10         dB/div           og         12.6           2.57	RF         90 Ω           RF         90 Ω           Freq 13.265001           Ref Offset 2.57           Ref 22.57 dB           MHz           V 100 KHz           Tree Iscu           I           I           I	5A AC 00000 GHz dB im 3 3 2.401 7 GHz 25.633 3 GHz 4.804 3 GHz	SE PN0: Fast → Gain:Low #VEW 1.151 c 45.509 d -52.629 d -52.629 d	V 300 kHz	ALIGNAUTO Avg Type: Avg Hold: /	Log-Pwr 0/10	05:58: Mkr1 2.4 1 2 2 2 2 3 2 3 2 5 3 2 5 3 2 5 3 2 5 3 5 5 5 5	TRACE [] 2 3 4 5 6 DET [] 2 3
XI         RL           Center         I           Og         I           12.6         I           2.57         I           -7.43         I           -7.43         I           -7.43         I           -7.43         I           -7.43         I           -7.44         I           -7.45         I           -7.4         I      -7.4         I      -7.	RF         90 n           RF         90 n           Freq 13.26500         1           Ref Offset 2.57 dB         1           MHz         1           N 100 kHz         1           1         1           1         1           1         1	5A AC 00000 GHz II II II II II II II II II I	SE PN0: Fast → Gain:Low #VEW 1.151 c 45.509 d -52.629 d -52.629 d	V 300 kHz	ALIGNAUTO Avg Type: Avg Hold: /	Log-Pwr 0/10	05:58: Mkr1 2.4 1 2 2 2 2 3 2 3 2 5 3 2 5 3 2 5 3 2 5 3 5 5 5 5	TRACE [] 2 3 4 5 6 DET [] 2 3

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Tx. Spurious NVNT 3-DH5 2441MHz Ref											
AC 1000 GHz PN	IO: Wide 🛶 T	rig: Free Run	Avg Type: L		06:00:01 PM Jun 05, 2023 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N						
Ref Offset 2.54 dB 7.494 dB 7.494 dB 7.494 dB											
	man W.	margar	Amore and the	mm	~^						
					M						
					۱, ۰						
	#VBW 3	00 kHz		Sweep 1.	Span 1.500 MH: 000 ms (1001 pts						
sg 🚺 status											
0			-								
x. Spuriou	us NVNT	3-DH5 244	-	mission							
AC 0000 GHz	SENSI	E:INT	-	og-Pwr	TRACE 1 2 3 4 5 ( TYPE M 00000000						
AC        00000 GHz      FC	SENSI	E:INT	ALIGNAUTO Avg Type: L	og-Pwr /10	TRACE 1 2 3 4 5 TYPE M WWWW DET P N N N N						
L SA AC 0000 GHz Pt	SENSI NO: Fast ↔ T	E:INT	ALIGNAUTO Avg Type: L	og-Pwr /10	TRACE 12345 TYPE MWWWW DET PNNNN						
AC AC PROVINCE ACCINENT ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTALACCINENTACCINENTALACCINENTACCINENTALACCINENTA	SENSI NO: Fast ↔ T	E:INT	ALIGNAUTO Avg Type: L	og-Pwr /10	TRACE 12345 TYPE MWWWW DET PNNNN						
AC AC PROVINCE ACCINENT ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTALACCINENTACCINENTALACCINENTACCINENTALACCINENTA	SENSI NO: Fast ↔ T	E:INT	ALIGNAUTO Avg Type: L	og-Pwr /10	TRACE 12345 TYPE MWWWW DET PNNNN						
AC AC PROVINCE ACCINENT ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTALACCINENTACCINENTALACCINENTACCINENTALACCINENTA	SENSI NO: Fast ↔ T	E:INT	ALIGNAUTO Avg Type: L	og-Pwr /10	rrace 12 34 5, TYPE Mownwow per P NNNN 3.485 dBm						
AC AC PROVINCE ACCINENT ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTALACCINENTACCINENTALACCINENTACCINENTALACCINENTA	SENSI NO: Fast ↔ T	E:INT	ALIGNAUTO Avg Type: L Avg Hold: 10	og-Pwr /10 Mki	rrace 12 34 5, TYPE Mownwow per P NNNN 3.485 dBm						
AC AC PROVINCE ACCINENT ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTALACCINENTACCINENTALACCINENTACCINENTALACCINENTA	SENSI NO: Fast ↔ T	E:INT	ALIGNAUTO Avg Type: L	og-Pwr /10 Mki	06:00:32 PMJun 05, 2023 TRACE [1] 2 3 4 5, TYPE [MWWWWW DET P N N N N r1 2,441 4 GHz 3.485 dBm -12.51 dBm						
AC AC PROVINCE ACCINENT ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTAL ACCINENTALACCINENTACCINENTALACCINENTACCINENTALACCINENTA	SENSI NO: Fast ↔ T	E:INT	ALIGNAUTO Avg Type: L Avg Hold: 10	og-Pwr /10 Mki	rrace 12 3 4 5, TYPE MWWWW DET P NNNN r1 2.441 4 GHz 3.485 dBm -12.51 dBm						
AC     100000 GHz   PT  FC	SENSI NO: Fast ↔ T	E:INT	ALIGN AUTO AVG Type: L Avg Type: L AvgHold: 10	og-Pwr /10 Mk1	TRACE 12 3 4 5 ( TYPE M WWWW DET P N N N N r1 2.441 4 GHz 3.485 dBm -1251 dBm 2 -1251 dBm 2 5 5 5 5 5 5 5 5 5 5 5 5 5						
AC P AC P P FC dB BM 3m 3 4 2.441 4 GHZ 25.231 2 GHZ	SENSI NO: Fast → T Sain:Low + T # Cain:Low # 2 4 5 3.485 dBr -45.178 dBr	E:INT	ALIGNAUTO Avg Type: L Avg Hold: 10	og-Pwr /10 Mki	TRACE 12 3 4 5 ( TYPE M WWWW DET P N N N N r1 2.441 4 GHz 3.485 dBm -1251 dBm 2 -1251 dBm 2 5 5 5 5 5 5 5 5 5 5 5 5 5						
X         AC         PI           00000 GHz         PI         FI           dB         Bm         IFC           3         4         IFC           2441 4 GHz         25.231 2 GHz         IFC           482 0 GHz         7.152 2 GHz         IFC	SENSI NO: Fast → T 5ain:Low + T 5ain:Low + T 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 7 8 7 8 8 7 8 7 8 7 8 8 7 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8	E:INT	ALIGN AUTO AVG Type: L Avg Type: L AvgHold: 10	og-Pwr /10 Mk1	rrace 12 3 4 5. TYPE MW.M.W.W. per P.N.N.N. -12.51 dBm -12.51 dBm 2 Stop 26.50 GHz .530 s (30001 pts						
AC PI AC PI PI PI PI PI PI PI PI PI PI	N0: Fast → T Sain:Low → T 3.485 dBr 45.178 dBr -52.943 dBr	E:INT	ALIGN AUTO AVG Type: L Avg Type: L AvgHold: 10	og-Pwr /10 Mk1	rrace 12 3 4 5. TYPE MW.M.W.W. per P.N.N.N. -12.51 dBm -12.51 dBm 2 Stop 26.50 GHz .530 s (30001 pts						
X         AC         PI           00000 GHz         PI         FI           dB         Bm         IFC           3         4         IFC           2441 4 GHz         25.231 2 GHz         IFC           482 0 GHz         7.152 2 GHz         IFC	SENSI NO: Fast → T 5ain:Low + T 5ain:Low + T 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 7 8 7 8 8 7 8 7 8 7 8 8 7 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8	E:INT	ALIGN AUTO AVG Type: L Avg Type: L AvgHold: 10	og-Pwr /10 Mk1	rrace 12 3 4 5. TYPE MW.M.W.W. per P.N.N.N. -12.51 dBm -12.51 dBm 2 Stop 26.50 GHz .530 s (30001 pts						
Ī	AC       000 GHz Ph IFC dB	AC SENS 000 GHz PNO: Wide $\rightarrow$ T IFGain:Low # dB m dB m dB m dB m dB m dB dB dB dB dB dB dB dB dB dB	AC SENSE.INT 000 GHz PNO: Wide Trig: Free Run IFGain:Low #Atten: 30 dB dB	AC SENSE:INT ALIGNAUTO AVG Type: L PNO: Wide  Trig: Free Run IFGain:Low  AVg Type: L Avg	AC SENSE:INT AUGNAUTO PNO: Wide $\rightarrow$ Trig: Free Run IFGain:Low #Atten: 30 dB dB Mkr1 2. m Mkr1 2.						



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	Tx. Spurious NVNT 3-DH5 2480MHz Ref												
LXI RL	trum Analyzer - Swep	AC     1000 GHz     P	S NO:Wide ↔ Gain:Low	ENSE:INT Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: L Avg Hold: 10	00/100	06:01:47 PMJun 05, 2023 TRACE 1 2 3 4 5 6 TYPE MWWW DET P N N N N N						
Ref Offset 2.46 dB         Mkr1 2.479 820 0 GHz           0 dB/div         Ref 22.46 dBm           .ºg													
12.5													
2.46			, Mr	1 an Ara	mm.								
-7.54	mm	m m	www.v-v v		her have	mont	Wardena						
-17.5	M						an M						
-27.5							M						
-37.5													
-37.5													
-57.5													
-67.5													
01.5													
	2.4800000 GHz V 100 kHz		#VBV	V 300 kHz		Sweep 1.	Span 1.500 MHz 000 ms (1001 pts)						
MSG	T	x Spurio	us NVN		usstatus 2480MHz E	mission							
Agilent Spec	ctrum Analyzer - Swep RF 50 Ω	t SA			ALIGNAUTO		06:02:18 PM Jun 05, 2023						
	Freq 13.26500	00000 GHz	NO: Fast ↔→	Trig: Free Run #Atten: 30 dB	Avg Type: L Avg Hold: 10		TRACE 1 2 3 4 5 6 TYPE M WWWW DET P N N N N N						
10 dB/div	Ref Offset 2.46 <b>Ref 22.46 d</b>	dB				Mk	r1 2.480 2 GHz 2.444 dBm						
	1												
2.46 -7.54							-13.08 dBm						
-17.5													
-37.5							2						
47 E													
-47.5			$\bigcirc$			and the second							
-57.5	MHz						Stop 26.50 GHz						
-57.5 -67.5 Start 30 #Res BV	V 100 kHz		#VBV	V 300 kHz		Sweep 2	Stop 26.50 GHz .530 s (30001 pts)						
-57.5 -67.5 Start 30 #Res BV MKR M003 1 N 2 N	V 100 kHz TRC SCL 1 f 1 f	× 2.480 2 GHz 25.867 4 GHz 4.959 6 GHz	2.444 c -45.891 c	FUNCTION IBm			.530 s (30001 pts)						
-57.5 -67.5 Start 30 #Res BV MXS M003 1 N 2 N 3 N 4 N 5 N	V 100 kHz TRC SCL		Y 2.444 c	FUNCTION IBm IBm IBm IBm		Sweep 2	.530 s (30001 pts)						
-57.5 Start 30 #Res BV (Mise Moose 1 N 2 N 3 N 4 N 5 N 6 7 8 9	V 100 kHz 1 f 1 f 1 f 1 f 1 f	25.867 4 GHz 4.959 6 GHz 7.380 7 GHz	2.444 ( -45.891 ( -52.185 ( -55.931 (	FUNCTION IBm IBm IBm IBm		Sweep 2	.530 s (30001 pts)						
-57.5 -67.5 Start 30 #Res BV #Res BV 2 N 3 N 4 N 5 N 6 7 8	V 100 kHz 1 f 1 f 1 f 1 f 1 f	25.867 4 GHz 4.959 6 GHz 7.380 7 GHz	2.444 ( -45.891 ( -52.185 ( -55.931 (	FUNCTION IBm IBm IBm IBm		Sweep 2	.530 s (30001 pts)						

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### 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 \* \* \* \* \*



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