

RADIO TEST REPORT

Report No.: STS2303348W02

Issued for

WHOOP INTERNATIONAL TRADING LIMITED

Flat-B 8/F Chong Gming Building 72 Cheung Sha Wan Road, Kowloon, Hong Kong

Product Name:	10.1 inch Quad Core 4G Tablet PC	
Brand:	WHOOP	
Model Number:	TAB-10US	
Series Model(s):	N/A	
FCC ID:	2AP7LTAB10US	
Test Standard:	FCC Part 15.247	

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TEST RESULT CERTIFICATION

Applicant's Name:	WHOOP INTERNATIONAL TRADING LIMITED
Address	Flat-B 8/F Chong Gming Building 72 Cheung Sha Wan Road, Kowloon, Hong Kong
Manufacturer's Name:	Shenzhen Teleone Technology Co.,Ltd
Address	Tower B 5/F, Shanshui Building, Nanshan Yungu Innovation Indu stry Park, 4093 Liuxian Avenue, Shenzhen, China
Product Description	
Product Name:	10.1 inch Quad Core 4G Tablet PC
Brand:	WHOOP
Model Number:	TAB-10US
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	29 Mar. 2023	
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Date (s) of performance of tests .: 29 Mar. 2023 ~ 04 Apr. 2023

Date of Issue: 04 Apr. 2023

Test Result Pass

Testing Engineer

(Chris Chen)

Technical Manager

(Sean she)

ean She

Authorized Signatory :

(Bovey Yang)

Shenzhen STS Test Services Co., Ltd.

Page 3 of 100 Report No.: STS2303348W02



Table of Contents	Page
1. SUMMARY OF TEST RESULTS	6
1.1 TEST FACTORY	7
1.2 MEASUREMENT UNCERTAINTY	7
2. GENERAL INFORMATION	8
2.1 GENERAL DESCRIPTION OF THE EUT	8
2.2 DESCRIPTION OF THE TEST MODES	10
2.3 FREQUENCY HOPPING SYSTEM REQUIREMENTS	10
2.4 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING	12
2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	D 12
2.6 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS	13
2.7 EQUIPMENTS LIST	14
3. EMC EMISSION TEST	15
3.1 CONDUCTED EMISSION MEASUREMENT	15
3.2 RADIATED EMISSION MEASUREMENT	19
4. CONDUCTED SPURIOUS & BAND EDGE EMISSION	31
4.1 LIMIT	31
4.2 TEST PROCEDURE	31
4.3 TEST SETUP	32
4.4 EUT OPERATION CONDITIONS	32
4.5 TEST RESULTS	32
5. NUMBER OF HOPPING CHANNEL	33
5.1 LIMIT	33
5.2 TEST PROCEDURE	33
5.3 TEST SETUP	33
5.4 EUT OPERATION CONDITIONS	33
5.5 TEST RESULTS	33
6. AVERAGE TIME OF OCCUPANCY	34
6.1 LIMIT	34
6.2 TEST PROCEDURE	34
6.3 TEST SETUP	34
6.4 EUT OPERATION CONDITIONS	34
6.5 TEST RESULTS	34
7. HOPPING CHANNEL SEPARATION MEASUREMEN	35

7. HOPPING CHANNEL SEPARATION MEASUREMEN

Page 4 of 100 Report No.: STS2303348W02



Table of Contents	Page
7.1 LIMIT	35
7.2 TEST PROCEDURE	35
7.3 TEST SETUP	35
7.4 EUT OPERATION CONDITIONS	35
7.5 TEST RESULTS	35
8. BANDWIDTH TEST	36
8.1 LIMIT	36
8.2 TEST PROCEDURE	36
8.3 TEST SETUP	36
8.4 EUT OPERATION CONDITIONS	36
8.5 TEST RESULTS	36
9. OUTPUT POWER TEST	37
9.1 LIMIT	37
9.2 TEST PROCEDURE 9.3 TEST SETUP	37 37
9.4 EUT OPERATION CONDITIONS	37
9.5 TEST RESULTS	37
10. ANTENNA REQUIREMENT	38
10.1 STANDARD REQUIREMENT	38
10.2 EUT ANTENNA	38
APPENDIX 1-TEST DATA	39
1. DWELL TIME	39
2. MAXIMUM AVERAGE CONDUCTED OUTPUT POWER	49
3. MAXIMUM PEAK CONDUCTED OUTPUT POWER	55
420DB BANDWIDTH	61
5. CARRIER FREQUENCIES SEPARATION	67
6. NUMBER OF HOPPING CHANNEL	73
7. BAND EDGE	76
8. BAND EDGE(HOPPING)	83
9. CONDUCTED RF SPURIOUS EMISSION	90
APPENDIX 2-PHOTOS OF TEST SETUP	100



Page 5 of 100 Report No.: STS2303348W02

Revision History

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	04 Apr. 2023	STS2303348W02	ALL	Initial Issue



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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	10.1 inch Quad Core 4G Tablet PC
Brand	WHOOP
Model Number	TAB-10US
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	1.18dBi
Adapter	Input: AC 100-240V 0.3A 50/60Hz Output: DC 5V 1500mA
Battery	Rated Voltage:3.8V Charge Limit Voltage:4.35 V Capacity: 5100mAh
Hardware version number	J866B_610&310_D4F_V1.0
Software version number	WHOOP_TAB-10US_13_V01_20230321
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		

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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.



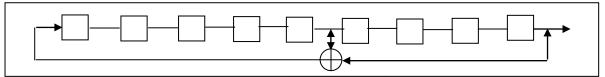
Page 11 of 100 Report No.: STS2303348W02

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.

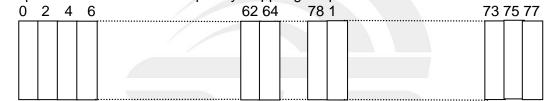
(2)The Pseudorandom sequence may be generated in a nin-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first one of 9 consecutive ones: i.e. the shift register is initialized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

Numver of shift register stages:9

Length of pseudo-random sequence:2⁹-1=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.



Page 12 of 100 Report No.: STS2303348W02

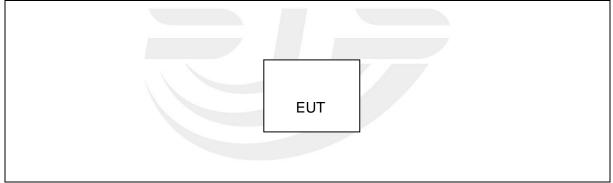
2.4 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

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.

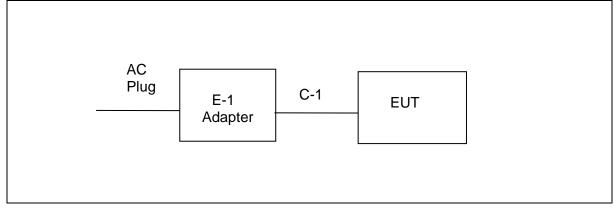
	Test program: Bluetooth				
(Control software) Parameters(1/2/3Mbps)	Packet type: DH1:4:27	Packet type: DH3:11:183	Packet type: DH5:15:339		
	2DH1:20:54	2DH3:26:367	2DH5:30:679		
	3DH1:24:83	3DH3:27:552	3DH5:31:1021		

RF Function	Туре	Mode Or Modulation type	ANT Gain(dBi)	Power Class	Software For Testing	
		GFSK		9		
BT	BR+EDR	π/4-DQPSK	1.18	9	Engineering mode	
	BRIEBR	8DPSK		9		

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



Conducted Emission Test



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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	N/A	YMK-12W050150	N/A	N/A
C-1	USB Cable	N/A	N/A	95cm	NO

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 ^CLength₂ 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	1 CE	
RF Connected 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

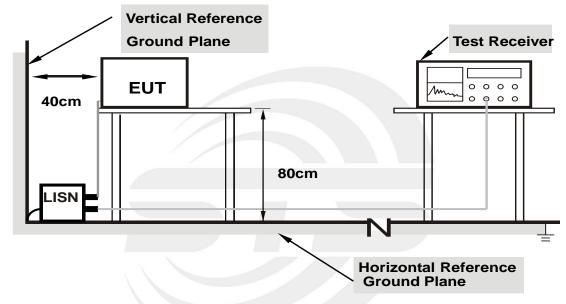
Receiver Parameters	Setting		
Attenuation	10 dB		
Start Frequency	0.15 MHz		
Stop Frequency	30 MHz		
IF Bandwidth	9 kHz		





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:	25.5(C)	Relative Humidity:	43%RH
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 13		

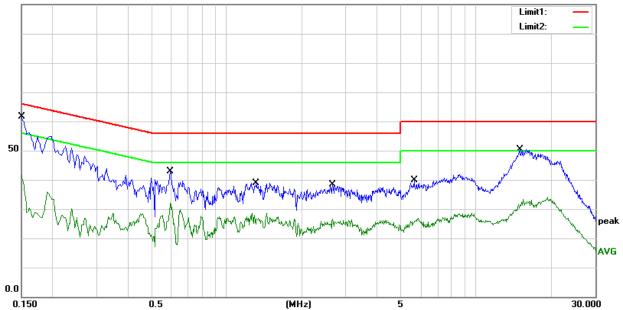
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1500	51.24	10.33	61.57	66.00	-4.43	QP
2	0.1500	25.48	10.33	35.81	56.00	-20.19	AVG
3	0.5940	32.53	10.45	42.98	56.00	-13.02	QP
4	0.5940	17.07	10.45	27.52	46.00	-18.48	AVG
5	1.3100	28.62	10.30	38.92	56.00	-17.08	QP
6	1.3100	17.11	10.30	27.41	46.00	-18.59	AVG
7	2.6540	28.14	10.33	38.47	56.00	-17.53	QP
8	2.6540	16.07	10.33	26.40	46.00	-19.60	AVG
9	5.6380	29.40	10.50	39.90	60.00	-20.10	QP
10	5.6380	16.83	10.50	27.33	50.00	-22.67	AVG
11	14.9820	38.66	11.73	50.39	60.00	-9.61	QP
12	14.9820	22.34	11.73	34.07	50.00	-15.93	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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Page 18 of 100 Report No.: STS2303348W02

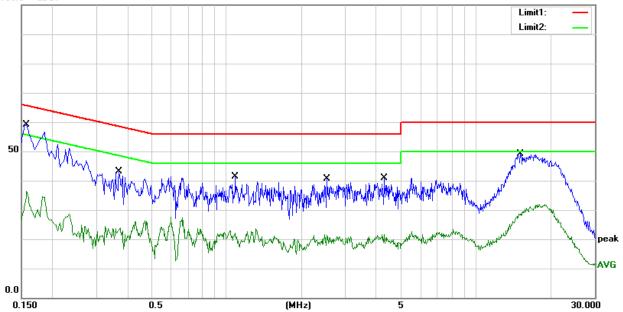
Temperature:	25.5(C)	Relative Humidity:	43%RH
Test Voltage:	AC 120V/60Hz	Phase:	Ν
Test Mode:	Mode 13		

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1580	48.77	10.31	59.08	65.57	-6.49	QP
2	0.1580	24.25	10.31	34.56	55.57	-21.01	AVG
3	0.3700	32.42	10.64	43.06	58.50	-15.44	QP
4	0.3700	15.81	10.64	26.45	48.50	-22.05	AVG
5	1.0860	31.10	10.31	41.41	56.00	-14.59	QP
6	1.0860	13.25	10.31	23.56	46.00	-22.44	AVG
7	2.5340	30.14	10.43	40.57	56.00	-15.43	QP
8	2.5340	10.49	10.43	20.92	46.00	-25.08	AVG
9	4.3020	30.27	10.52	40.79	56.00	-15.21	QP
10	4.3020	12.00	10.52	22.52	46.00	-23.48	AVG
11	15.0740	37.57	11.59	49.16	60.00	-10.84	QP
12	15.0740	20.35	11.59	31.94	50.00	-18.06	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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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	ERAGE		
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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Page 20 of 100 Report No.: STS2303348W02

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	
	1 MHz / 3 MHz(Peak)	
RB / VB	1 MHz/1/T MHz(AVG)	

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Page 21 of 100 Report No.: STS2303348W02

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.

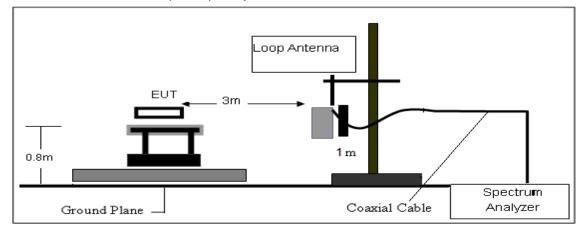
3.2.3 DEVIATION FROM TEST STANDARD

No deviation.

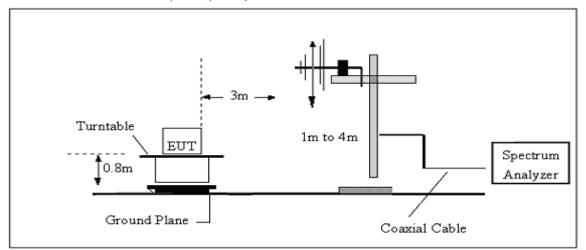


3.2.4 TESTSETUP

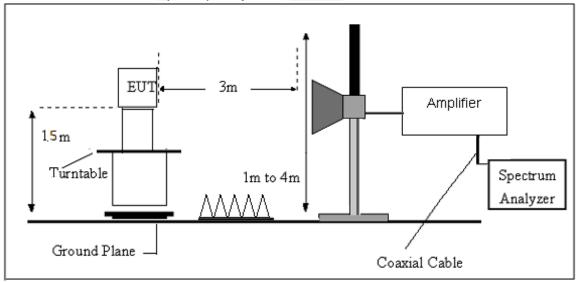
(A) Radiated Emission Test-Up Frequency Below 30MHz

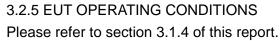


(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(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 3.8V	Test Mode:	TX Mode

Freq.	Reading	Limit	Margin	State	Toot Dooult	
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F	Test 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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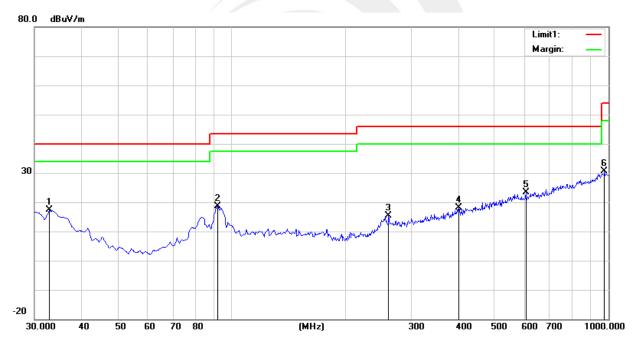
(30MHz-1000MHz)

Temperature:	23.1(C)	Relative Humidity:	60%RH	
Test Voltage:	DC 3.8V	Phase:	Horizontal	
Test Mode: Mode 1/2/3/4/5/6/7/8 (Mode 8 worst mode)				

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	32.9100	31.61	-14.33	17.28	40.00	-22.72	peak
2	92.0800	39.83	-21.20	18.63	43.50	-24.87	peak
3	261.8300	30.16	-14.77	15.39	46.00	-30.61	peak
4	401.5100	29.21	-11.06	18.15	46.00	-27.85	peak
5	604.2400	29.03	-5.70	23.33	46.00	-22.67	peak
6	978.6600	27.93	2.58	30.51	54.00	-23.49	peak

Remark:

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





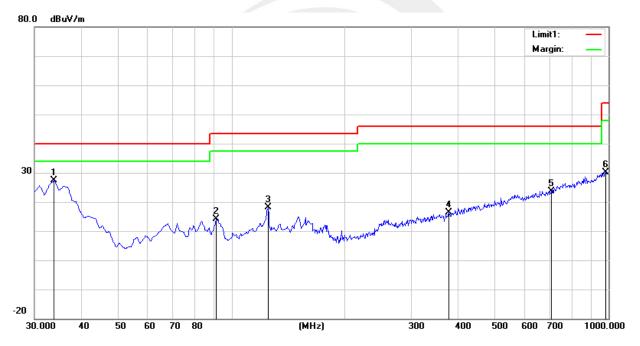
Page 26 of 100 Report No.: STS2303348W02

Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	DC 3.8V	Phase:	Vertical
Test Mode:	Mode 1/2/3/4/5/6/7/8 (Mode 8	worst mode)	

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	33.8800	42.23	-14.80	27.43	40.00	-12.57	peak
2	91.1100	35.47	-21.31	14.16	43.50	-29.34	peak
3	125.0600	36.25	-18.22	18.03	43.50	-25.47	peak
4	377.2600	28.74	-12.33	16.41	46.00	-29.59	peak
5	706.0900	27.70	-3.98	23.72	46.00	-22.28	peak
6	985.4500	27.86	2.33	30.19	54.00	-23.81	peak

Remark:

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



Page 27 of 100 Report No.: STS2303348W02



(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	annel (8DPSK/	(2402 MHz)				
3264.64	61.06	44.70	6.70	28.20	-9.80	51.26	74.00	-22.74	PK	Vertical
3264.64	51.43	44.70	6.70	28.20	-9.80	41.63	54.00	-12.37	AV	Vertical
3264.66	61.72	44.70	6.70	28.20	-9.80	51.92	74.00	-22.08	PK	Horizontal
3264.66	50.00	44.70	6.70	28.20	-9.80	40.20	54.00	-13.80	AV	Horizontal
4804.57	59.26	44.20	9.04	31.60	-3.56	55.70	74.00	-18.30	PK	Vertical
4804.57	49.34	44.20	9.04	31.60	-3.56	45.78	54.00	-8.22	AV	Vertical
4804.50	59.29	44.20	9.04	31.60	-3.56	55.73	74.00	-18.27	PK	Horizontal
4804.50	50.51	44.20	9.04	31.60	-3.56	46.95	54.00	-7.05	AV	Horizontal
5359.74	49.35	44.20	9.86	32.00	-2.34	47.01	74.00	-26.99	PK	Vertical
5359.74	40.33	44.20	9.86	32.00	-2.34	37.98	54.00	-16.02	AV	Vertical
5359.59	47.57	44.20	9.86	32.00	-2.34	45.23	74.00	-28.77	PK	Horizontal
5359.59	39.02	44.20	9.86	32.00	-2.34	36.68	54.00	-17.32	AV	Horizontal
7205.81	54.91	43.50	11.40	35.50	3.40	58.31	74.00	-15.69	PK	Vertical
7205.81	44.51	43.50	11.40	35.50	3.40	47.91	54.00	-6.09	AV	Vertical
7205.66	54.24	43.50	11.40	35.50	3.40	57.64	74.00	-16.36	PK	Horizontal
7205.66	43.82	43.50	11.40	35.50	3.40	47.22	54.00	-6.78	AV	Horizontal
				Middle C	hannel (8DPSk	2441 MHz)</td <td></td> <td></td> <td></td> <td></td>				
3264.62	62.30	44.70	6.70	28.20	-9.80	52.50	74.00	-21.50	PK	Vertical
3264.62	50.21	44.70	6.70	28.20	-9.80	40.41	54.00	-13.59	AV	Vertical
3264.56	61.83	44.70	6.70	28.20	-9.80	52.03	74.00	-21.97	PK	Horizontal
3264.56	50.65	44.70	6.70	28.20	-9.80	40.85	54.00	-13.15	AV	Horizontal
4882.52	59.42	44.20	9.04	31.60	-3.56	55.86	74.00	-18.14	PK	Vertical
4882.52	49.77	44.20	9.04	31.60	-3.56	46.21	54.00	-7.79	AV	Vertical
4882.56	59.06	44.20	9.04	31.60	-3.56	55.50	74.00	-18.50	PK	Horizontal
4882.56	49.33	44.20	9.04	31.60	-3.56	45.77	54.00	-8.23	AV	Horizontal
5359.59	48.08	44.20	9.86	32.00	-2.34	45.74	74.00	-28.26	PK	Vertical
5359.59	40.39	44.20	9.86	32.00	-2.34	38.04	54.00	-15.96	AV	Vertical
5359.64	47.82	44.20	9.86	32.00	-2.34	45.48	74.00	-28.52	PK	Horizontal
5359.64	38.04	44.20	9.86	32.00	-2.34	35.69	54.00	-18.31	AV	Horizontal
7323.86	54.44	43.50	11.40	35.50	3.40	57.84	74.00	-16.16	PK	Vertical
7323.86	44.63	43.50	11.40	35.50	3.40	48.03	54.00	-5.97	AV	Vertical
7323.84	54.76	43.50	11.40	35.50	3.40	58.16	74.00	-15.84	PK	Horizontal
7323.84	44.31	43.50	11.40	35.50	3.40	47.71	54.00	-6.29	AV	Horizontal



Page 28 of 100 Report No.: STS2303348W02

				High Chan	nel (8DPSK	/2480 MHz)				
3264.66	60.84	44.70	6.70	28.20	-9.80	51.04	74.00	-22.96	PK	Vertical
3264.81	51.81	44.70	6.70	28.20	-9.80	42.01	54.00	-11.99	AV	Vertical
3264.70	61.65	44.70	6.70	28.20	-9.80	51.85	74.00	-22.15	PK	Horizontal
3264.72	50.46	44.70	6.70	28.20	-9.80	40.66	54.00	-13.34	AV	Horizontal
4960.54	58.54	44.20	9.04	31.60	-3.56	54.98	74.00	-19.02	PK	Vertical
4960.29	50.26	44.20	9.04	31.60	-3.56	46.70	54.00	-7.30	AV	Vertical
4960.39	58.76	44.20	9.04	31.60	-3.56	55.20	74.00	-18.80	PK	Horizontal
4960.36	50.06	44.20	9.04	31.60	-3.56	46.50	54.00	-7.50	AV	Horizontal
5359.68	49.16	44.20	9.86	32.00	-2.34	46.82	74.00	-27.18	PK	Vertical
5359.73	39.04	44.20	9.86	32.00	-2.34	36.70	54.00	-17.30	AV	Vertical
5359.75	47.87	44.20	9.86	32.00	-2.34	45.53	74.00	-28.47	PK	Horizontal
5359.83	39.37	44.20	9.86	32.00	-2.34	37.02	54.00	-16.98	AV	Horizontal
7439.72	54.75	43.50	11.40	35.50	3.40	58.15	74.00	-15.85	PK	Vertical
7439.96	43.95	43.50	11.40	35.50	3.40	47.35	54.00	-6.65	AV	Vertical
7439.82	54.17	43.50	11.40	35.50	3.40	57.57	74.00	-16.43	PK	Horizontal
7439.84	44.00	43.50	11.40	35.50	3.40	47.40	54.00	-6.60	AV	Horizontal

Note:

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

Emission Level = Reading + Factor

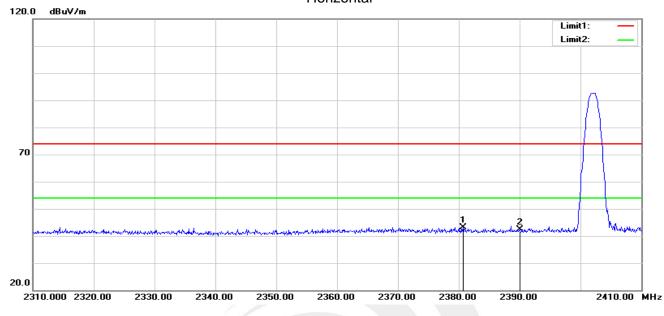
3) The frequency emission of peak points that did not show above the forms are at least 20dB below the limit, the frequency emission is mainly from the environment noise.



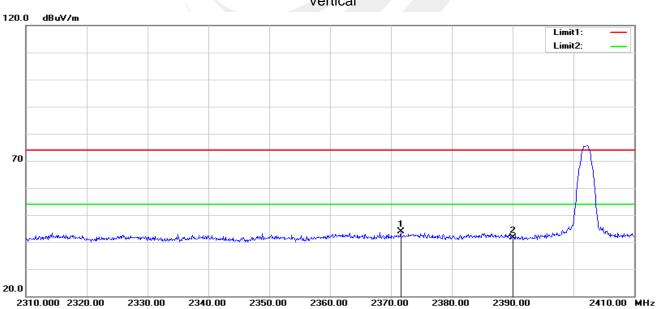


Restricted band Requirements

8DPSK-Low Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2380.700	38.96	4.20	43.16	74.00	-30.84	peak
2	2390.000	38.06	4.34	42.40	74.00	-31.60	peak



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2371.600	39.78	4.06	43.84	74.00	-30.16	peak
2	2390.000	37.36	4.34	41.70	74.00	-32.30	peak

Vertical

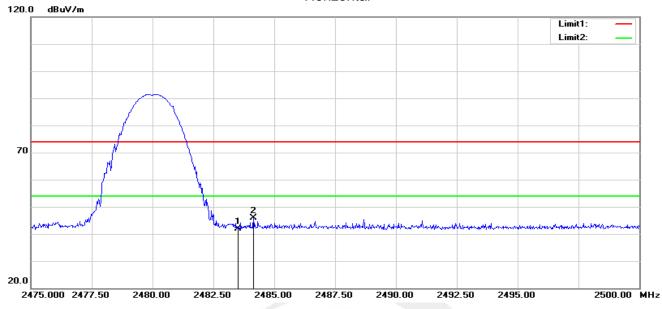
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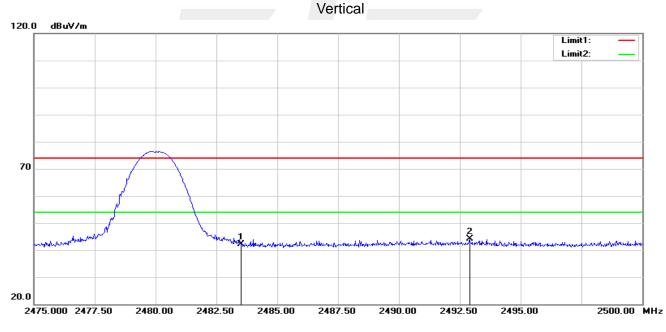
Page 30 of 100

Report No.: STS2303348W02

8DPSK-High Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	37.31	4.60	41.91	74.00	-32.09	peak
2	2484.150	41.26	4.61	45.87	74.00	-28.13	peak



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	37.47	4.60	42.07	74.00	-31.93	peak
2	2492.900	39.54	4.64	44.18	74.00	-29.82	peak

Note: GFSK, π /4-DQPSK, 8DPSK of the nohopping and hopping mode all have been test, the worst case is 8DPSK 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
Start/Stop Frequency	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
Start/Stap Eraguanav	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.

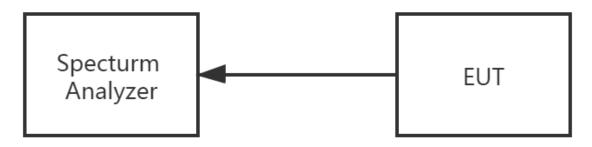
e) A plot of the test results and setup description shall be included in the test report.

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.

Shenzhen STS Test Services Co., Ltd.



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.



Shenzhen STS Test Services Co., Ltd.



Page 39 of 100 Report No.: STS2303348W02

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	0.405	127.575	315	31600	<=400	Pass
NVNT	1-DH3	2441	1.662	255.948	154	31600	<=400	Pass
NVNT	1-DH5	2441	2.909	299.627	103	31600	<=400	Pass
NVNT	2-DH1	2441	0.398	126.166	317	31600	<=400	Pass
NVNT	2-DH3	2441	1.65	280.5	170	31600	<=400	Pass
NVNT	2-DH5	2441	2.899	310.193	107	31600	<=400	Pass
NVNT	3-DH1	2441	0.396	124.74	315	31600	<=400	Pass
NVNT	3-DH3	2441	1.646	246.9	150	31600	<=400	Pass
NVNT	3-DH5	2441	2.898	321.678	111	31600	<=400	Pass



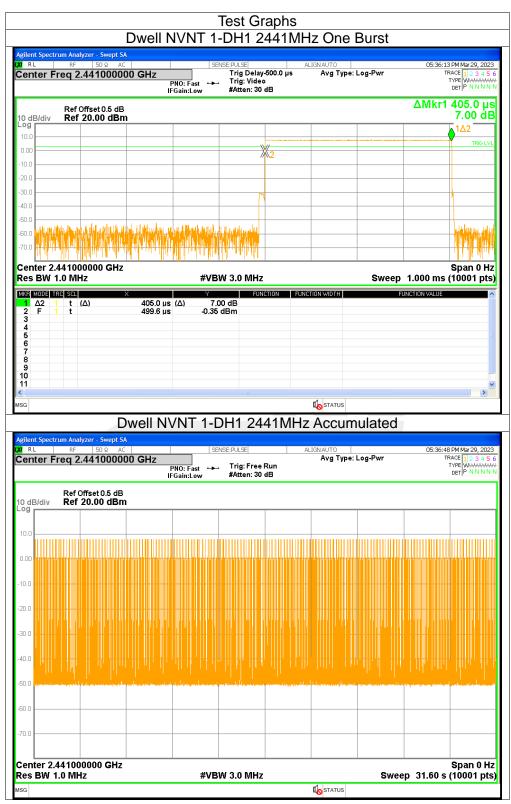
Shenzhen STS Test Services Co., Ltd.

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Page 40 of 100

Report No.: STS2303348W02





Page 41 of 100

enter F	RF	er - Swept S/ 50 Ω AC 410000	00 GHz	SE PNO: Fast ↔	NSE:PULSE Trig Delay- Trig: Video	500.0 µs	LIGNAUTO Avg Type:	Log-Pwr	05:37:4 T	9 PM Mar 29, 202 RACE 1 2 3 4 5 TYPE WWWWW DET P N N N N
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5 6 7										
/ 8 9										
0 1										
							a			
G							STATUS			
G			Well N	/NT 1-[DH3 24	41MHz	-	ulated		
ilent Spectr		C er - Swept S/ 50 Ω AC	A		DH3 24		-	ulated	05:38:2	4 PM Mar 29, 202
ilent Spectr R L	RF	er - Swept S/	00 GHz		INSE:PULSE	Al	Accum		Т	RACE 1 2 3 4 5 TYPE WWWW
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dB/div	RF req 2.4	er - Swept S/ 50 Ω AC 4100000 set 0.5 dB	A 00 GHz IF	SE PNO: Fast ↔	INSE:PULSE	Al			Т	RACE 1 2 3 4 5 TYPE WWWWW
dB/div	RF req 2.4	er - Swept S/ 50 Ω AC 4100000 set 0.5 dB	A 00 GHz IF	SE PNO: Fast ↔	INSE:PULSE	Al			Т	RACE 1 2 3 4 5 TYPE WWWW
dB/div	RF req 2.4	er - Swept S/ 50 Ω AC 4100000 set 0.5 dB	A 00 GHz IF	SE PNO: Fast ↔	INSE:PULSE	Al			Т	RACE 1 2 3 4 5 TYPE WWWW
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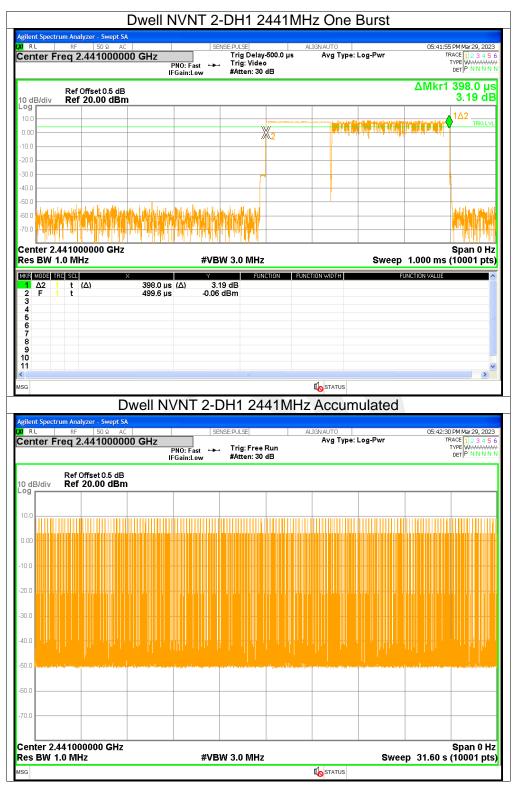


Page 42 of 100

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Page 43 of 100



Shenzhen STS Test Services Co., Ltd.



Page 44 of 100

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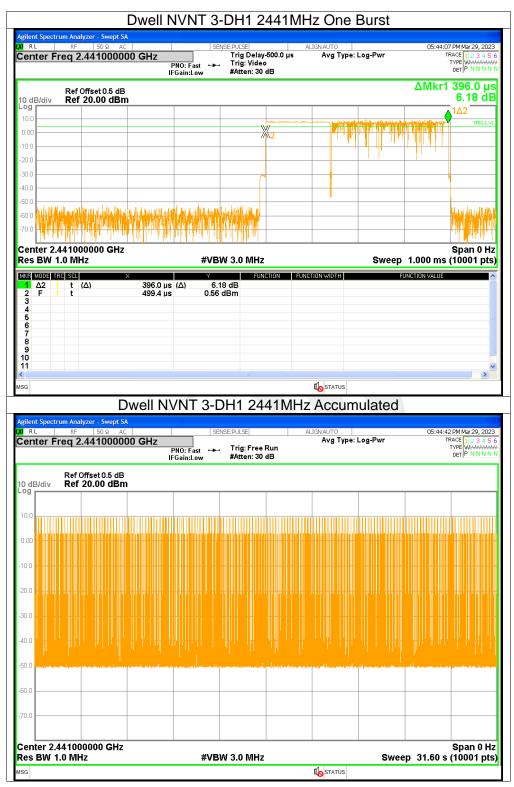


Page 45 of 100

enter Freq ,	alyzer - Swept SA 50 Ω AC 2.44100000	00 GHz	NO: Fast Gain:Low	-DH5 2 NSE:PULSE Trig Delay Trig: Video Atten: 30 o	-500.0 μs	IGNAUTO Avg Type:			3 PM Mar 29, 202 RACE 12 3 4 5 TYPE WWWWW DET P N N N N
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gilent Spectrum An RL RF enter Freq 2 Ref	alyzer - Swept S/ 50 Ω AC 2.44100000	00 GHz F	SE PNO: Fast ↔	NSE:PULSE	AL			Т	RACE 1 2 3 4 5 TYPE WWW
glient Spectrum An RL RF enter Freq 2 0 dB/div Ref 0 d	alyzer - Swept S/ 50 Ω AC 2.44100000	00 GHz F	SE PNO: Fast ↔	NSE:PULSE	AL			Т	8 PM Mar 29, 202 RACE 1 2 3 4 5 TYPE W-MNN DET P N N N N
glient Spectrum An RL RF enter Freq 3 0 dB/div Ref 0 dB/div Ref 0 d 0 0 0 0 0 0 0 0 0 0 0 0 0 0	alyzer - Swept S/ 50 Ω AC 2.44100000	00 GHz F	SE PNO: Fast ↔	NSE:PULSE	AL			Т	RACE 1 2 3 4 5 TYPE WWW
glient Spectrum An RL RF enter Freq 2 0 dB/div Ref 0 d	alyzer - Swept S/ 50 Ω AC 2.44100000	00 GHz F	SE PNO: Fast ↔	NSE:PULSE	AL			Т	RACE 1 2 3 4 5 TYPE WWWW
slent Spectrum An RL RF enter Freq 2 0 dB/div Ref 0 dB	alyzer - Swept S/ 50 Ω AC 2.44100000	00 GHz F	SE PNO: Fast ↔	NSE:PULSE	AL			Т	RACE 1 2 3 4 5 TYPE WWWW
RL RF enter Freq 1 0 dB/div 0 d	alyzer - Swept S/ 50 Ω AC 2.44100000	00 GHz F	SE PNO: Fast ↔	NSE:PULSE	AL			Т	RACE 1 2 3 4 5 TYPE WWWW



Page 46 of 100



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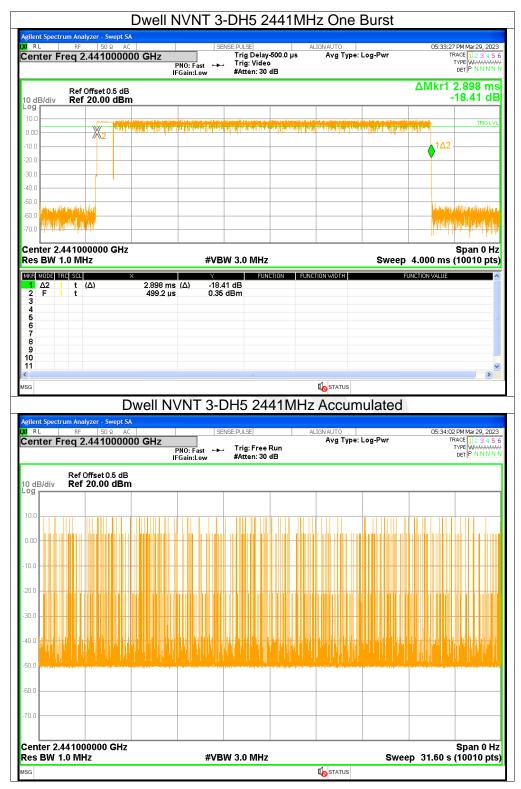


Page 47 of 100

	taum taabuaan (ell NVNT	3-DH3 2	2441MH	z One E	Burst		
U RL	trum Analyzer - S RF 50 Freq 2.441(ΩAC	Hz PNO: Fast IFGain:Low	SENSE:PULSE Trig Dela Trig: Vide #Atten: 3	ty-500.0 μs eo	GNAUTO Avg Type: L	.og-Pwr	TR/ T	PM Mar 29, 202 I 2 3 4 5 PE WWWWWW DET P N N N N
0 dB/div	Ref Offset (Ref 20.00							∆Mkr1 1	.646 m 3.54 di
.og 10.0		N.Z.					1Δ2		TRIG LV
0.00		×2 111			n <mark>i else e</mark> contribue	and shading a special state	1		
20.0									
30.0									
40.0 									
so.o <mark>rindili</mark> Tual	heres the territory to the territory of the territory						- popping particular Alaria salat a	ing sagaran Bara Italia ang Karata	nna tapidapi Dalla mata
70.0		<u>, , , , , , , , , , , , , , , , , , , </u>						addadd da ar da da	<u>ah Mala</u>
	.441000000 1.0 MHz	GHz	;	≠VBW 3.0 MH	z		Sweep	3.000 ms (Span 0 H 10001 pt
ike mode t 1 Δ2	TRC SCL 1 t (Δ)	× 1 f	546 ms (Δ)	Y FL 3.54 dB	INCTION FUNCT	ON WIDTH	FL	JNCTION VALUE	
2 F 3	1 t			2.51 dBm					
4 5									
4 5 6 7 8 9									
0									
						-1			
ŝG		Dure							
gilent Spect	trum Analyzer - S			3-DH3 24		Accum	ulateu		
enter F	RF 50 Freq 2.441(Hz PNO: Fast IFGain:Low	SENSE:PULSE Trig: Free #Atten: 3	e Run	GNAUTO Avg Type: L	.og-Pwr	TRJ T	PM Mar 29, 202 CE 1 2 3 4 5 /PE WWWWWW DET P N N N N
) dB/div	Ref Offset (Ref 20.00								
°g									
0.0									
).00									
10.0									
20.0									
30.0									
10.0									
30.0 40.0 50.0									
10.0									
10.0 50.0 <i>april</i>									
10.0	.441000000 1.0 MHz	GHz		¢VBW 3.0 MH	Z		Swee	p 31.60 s (Span 0 H 10001 pt



Page 48 of 100



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Page 49 of 100 Report No.: STS2303348W02

2. Maximum Average Conducted Output Power

Condition	Mode	Frequency	Conducted Power	Limit	Verdict
		(MHz)	(dBm)	(dBm)	
NVNT	1-DH5	2402	5.63	<=20.97	Pass
NVNT	1-DH5	2441	6.62	<=20.97	Pass
NVNT	1-DH5	2480	5.37	<=20.97	Pass
NVNT	2-DH5	2402	4.88	<=20.97	Pass
NVNT	2-DH5	2441	5.97	<=20.97	Pass
NVNT	2-DH5	2480	4.92	<=20.97	Pass
NVNT	3-DH5	2402	4.78	<=20.97	Pass
NVNT	3-DH5	2441	6.01	<=20.97	Pass
NVNT	3-DH5	2480	4.68	<=20.97	Pass



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Page 50 of 100

Report No.: STS2303348W02



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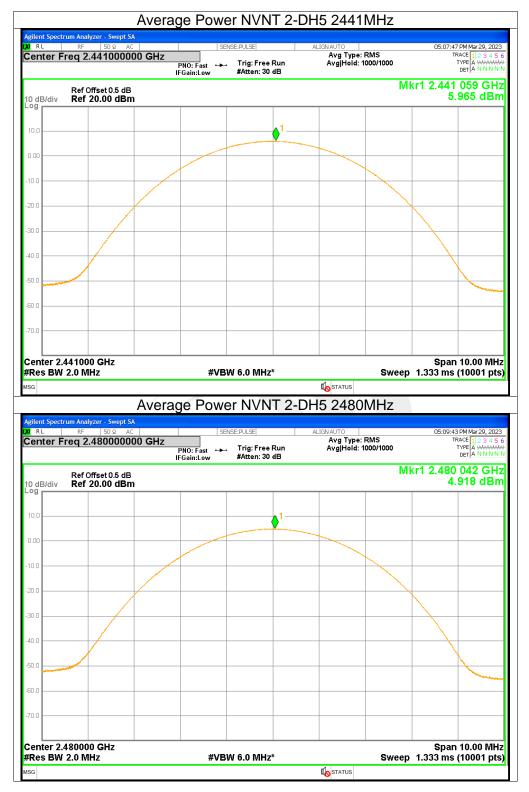


Page 51 of 100

			ge Pow	er NVNT 1-	DH5 2480I	VIHZ		
RL	trum Analyzer - Swept S RF 50 Ω AC Freq 2.4800000	00 GHz	PNO: Fast	ENSE:PULSE	ALIGNAUTO Avg Type: F Avg Hold: 10	RMS 000/1000	т	D PM Mar 29, 2023 RACE 1 2 3 4 5 6 TYPE A WWWW DET A N N N N
0 dB/div	Ref Offset 0.5 dB Ref 20.00 dBn					М	lkr1 2.479 5.	925 GHz 372 dBm
.og								
10.0				1				
0.00								
10.0								
20.0								
30.0						```		
.0.0								
10.0								
50.0								
50.0								
/0.0								
	/ 2.0 MHz		#VE	SW 6.0 MHz*		Sweep	o 1.333 ms	(10001 pts
	trum Analyzer - Swept S			er NVNT 2-	16 status DH5 24021		o 1.333 ms	(10001 pts
gilent Spect R L		A 00 GHz	ge Pow		-	MHz	04:53:2'	9 PM Mar 29, 2023 RACE 1 2 3 4 5 TYPE A WWWWW
gilent Spect RL enter F	trum Analyzer - Swept S RF 50 Ω A(A C 00 GHz	ge Pow	er NVNT 2- ENSE:PULSE	DH5 2402I ALIGNAUTO Avg Type: F	MHZ RMS 2000/1000	04:53:2 [™] T Ikr1 2.402	PM Mar 29, 202: RACE 1 2 3 4 5 TYPE A WAMMAN DET A N N N N 049 GH
gilent Spect RL Tenter F O dB/div	trum Analyzer - Swept S RF 50 Q A0 Freq 2.4020000 Ref Offset 0.5 dB	A C 00 GHz	ge Pow	er NVNT 2- ENSE:PULSE	DH5 2402I ALIGNAUTO Avg Type: F	MHZ RMS 2000/1000	04:53:2 [™] T Ikr1 2.402	PM Mar 29, 202: RACE 1 2 3 4 5 TYPE A WAMMAN DET A N N N N 049 GH
gilent Spect RL Tenter F O dB/div	trum Analyzer - Swept S RF 50 Q A0 Freq 2.4020000 Ref Offset 0.5 dB	A C 00 GHz	ge Pow	er NVNT 2- ENSE:PULSE	DH5 2402I ALIGNAUTO Avg Type: F	MHZ RMS 2000/1000	04:53:2 [™] T Ikr1 2.402	PM Mar 29, 202: RACE 1 2 3 4 5 TYPE A WAMMAN DET A N N N N 049 GH
gilent Spect RL Center F	trum Analyzer - Swept S RF 50 Q A0 Freq 2.4020000 Ref Offset 0.5 dB	A C 00 GHz	ge Pow	er NVNT 2- ENSE:PULSE	DH5 2402I ALIGNAUTO Avg Type: F	MHZ RMS 2000/1000	04:53:2 [™] T Ikr1 2.402	PM Mar 29, 2023 RACE 1 2 3 4 5 TYPE A WAMMAN DET A N N N N 049 GH3
o dB/div	trum Analyzer - Swept S RF 50 Q A0 Freq 2.4020000 Ref Offset 0.5 dB	A C 00 GHz	ge Pow	er NVNT 2- ENSE:PULSE	DH5 2402I ALIGNAUTO Avg Type: F	MHZ RMS 2000/1000	04:53:2 [™] T Ikr1 2.402	PM Mar 29, 2023 RACE 1 2 3 4 5 TYPE A WAMMAN DET A N N N N 049 GH3
C dB/div	trum Analyzer - Swept S RF 50 Q A0 Freq 2.4020000 Ref Offset 0.5 dB	A C 00 GHz	ge Pow	er NVNT 2- ENSE:PULSE	DH5 2402I ALIGNAUTO Avg Type: F	MHZ RMS 2000/1000	04:53:2 [™] T Ikr1 2.402	PM Mar 29, 2023 RACE 1 2 3 4 5 TYPE A WAMMAN DET A N N N N 049 GH3
gilent Spect RL G dB/div g	trum Analyzer - Swept S RF 50 Q A0 Freq 2.4020000 Ref Offset 0.5 dB	A C 00 GHz	ge Pow	er NVNT 2- ENSE:PULSE	DH5 2402I ALIGNAUTO Avg Type: F	MHZ RMS 2000/1000	04:53:2 [™] T Ikr1 2.402	PM Mar 29, 2023 RACE 1 2 3 4 5 TYPE A WAMMAN DET A N N N N 049 GH3
gilent Spect RL enter F	trum Analyzer - Swept S RF 50 Q A0 Freq 2.4020000 Ref Offset 0.5 dB	A C 00 GHz	ge Pow	er NVNT 2- ENSE:PULSE	DH5 2402I ALIGNAUTO Avg Type: F	MHZ RMS 2000/1000	04:53:2 [™] T Ikr1 2.402	PM Mar 29, 2023 RACE 1 2 3 4 5 TYPE A WAMMAN DET A N N N N 049 GH3
gilent Spect RL enter F 0 dB/div 0	trum Analyzer - Swept S RF 50 Q A0 Freq 2.4020000 Ref Offset 0.5 dB	A C 00 GHz	ge Pow	er NVNT 2- ENSE:PULSE	DH5 2402I ALIGNAUTO Avg Type: F	MHZ RMS 2000/1000	04:53:2 [™] T Ikr1 2.402	9 PM Mar 29, 2023 RACE 1 2 3 4 5 TYPE A WWWW DET A N N N N
gilent Spect RL enter F 0 dB/div 0	trum Analyzer - Swept S RF 50 Q A0 Freq 2.4020000 Ref Offset 0.5 dB	A C 00 GHz	ge Pow	er NVNT 2- ENSE:PULSE	DH5 2402I ALIGNAUTO Avg Type: F	MHZ RMS 2000/1000	04:53:2 [™] T Ikr1 2.402	PM Mar 29, 2023 RACE 1 2 3 4 5 TYPE A WAMMAN DET A N N N N 049 GH2
gilent Spect RL center F 0 dB/div 0 0	trum Analyzer - Swept S RF 50 Q A0 Freq 2.4020000 Ref Offset 0.5 dB	A C 00 GHz	ge Pow	er NVNT 2- ENSE:PULSE	DH5 2402I ALIGNAUTO Avg Type: F	MHZ RMS 2000/1000	04:53:2 [™] T Ikr1 2.402	PM Mar 29, 2023 RACE 1 2 3 4 5 TYPE A WAMMAN DET A N N N N 049 GH3
Silent Spect RL CodB/div O dB/div O dB/div <tht< td=""><td>trum Analyzer - Swept S RF 50 Q A0 Freq 2.4020000 Ref Offset 0.5 dB</td><td>A C 00 GHz</td><td>ge Pow</td><td>er NVNT 2- ENSE:PULSE</td><td>DH5 2402I ALIGNAUTO Avg Type: F</td><td>MHZ RMS 2000/1000</td><td>04:53:2[™] T Ikr1 2.402</td><td>PM Mar 29, 2023 RACE 1 2 3 4 5 TYPE A WAMMAN DET A N N N N 049 GH3</td></tht<>	trum Analyzer - Swept S RF 50 Q A0 Freq 2.4020000 Ref Offset 0.5 dB	A C 00 GHz	ge Pow	er NVNT 2- ENSE:PULSE	DH5 2402I ALIGNAUTO Avg Type: F	MHZ RMS 2000/1000	04:53:2 [™] T Ikr1 2.402	PM Mar 29, 2023 RACE 1 2 3 4 5 TYPE A WAMMAN DET A N N N N 049 GH3
ilent Spect RL enter F 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	trum Analyzer - Swept S RF 50 Ω Ad Freq 2.4020000 Ref Offset 0.5 dB Ref 20.00 dBn	A C 00 GHz	ge Pow	er NVNT 2- ENSE:PULSE	DH5 2402I ALIGNAUTO Avg Type: F	MHZ RMS 2000/1000	04:53:27 T	9 PM Mar 29, 2023 RACE 2:3 4 5 TYPE A WAYN 049 GH: 877 dBn
Center 2	trum Analyzer - Swept S RF 50 Q A0 Freq 2.4020000 Ref Offset 0.5 dB	A C 00 GHz	ge Pow	er NVNT 2- ENSE:PULSE	DH5 2402I ALIGNAUTO Avg Type: F	MHz RMS 1000/1000 M	04:53:27 T	2 PM Mar 29, 202 RACE 12 3 4 5 TYPE 12 3 4 5 DET A N N N N 049 GH 877 dBn



Page 52 of 100



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Page 53 of 100

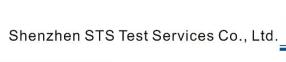


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Page 54 of 100

Avera	age Power NVNT 3-D	H5 2480MHz	
Agilent Spectrum Analyzer - Swept SA	SENSE:PULSE PNO: Fast Trig: Free Run IFGain:Low #Atten: 30 dB	ALIGNAUTO Avg Type: RMS Avg Hold: 1000/1000	05:17:33 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A N N N N N
Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm		M	kr1 2.479 923 GHz 4.684 dBm
10.0	1		
0.00			
20.0			
30.0			
40.0			
50.0 			
70.0			
Center 2.480000 GHz Res BW 2.0 MHz	#VBW 6.0 MHz*	Sweer	Span 10.00 MHz 1.333 ms (10001 pts)
ISG		STATUS	(******





Page 55 of 100 Report No.: STS2303348W02

3. Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	7.04	<=20.97	Pass
NVNT	1-DH5	2441	8.2	<=20.97	Pass
NVNT	1-DH5	2480	7.04	<=20.97	Pass
NVNT	2-DH5	2402	8.34	<=20.97	Pass
NVNT	2-DH5	2441	9.55	<=20.97	Pass
NVNT	2-DH5	2480	8.32	<=20.97	Pass
NVNT	3-DH5	2402	8.53	<=20.97	Pass
NVNT	3-DH5	2441	9.74	<=20.97	Pass
NVNT	3-DH5	2480	8.38	<=20.97	Pass

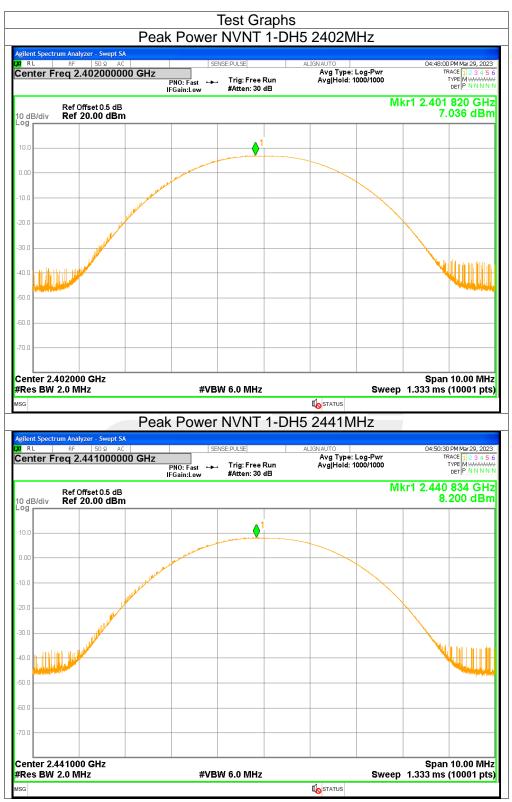


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Page 56 of 100

Report No.: STS2303348W02



Shenzhen STS Test Services Co., Ltd.

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Page 57 of 100



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Page 58 of 100

			< Power	NVNT 2-D	0H5 2441M	HZ		
gilent Spectrum And RL RF Center Freq 2	50 Ω AC	00 GHz	PNO: Fast IFGain:Low	NSE:PULSE . Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Avg Hold: 1	_og-Pwr 000/1000	05:07:	31 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P N N N N N
	Offset 0.5 dB 20.00 dBm					Μ		0 859 GHz 9.551 dBm
10.0				♦ ¹				
0.00								
10.0								
20.0								
30.0								
40.0								
50.0								The second secon
60.0								
70.0								
enter 2.4410	00 OU-						One	n 10.00 MH:
Res BW 2.0 N			#\/R			-		
20			<i>"'</i>	W 6.0 MHz		Sweep	5 1.333 m	s (10001 pts
SG		Peak			б ататиз Н5 2480М	-	5 1.333 m	s (10001 pts
gilent Spectrum An		A	< Power	NVNT 2-D	H5 2480M	Hz	05:09:	27 PM Mar 29, 2023
gilent Spectrum And RL RF	50 Ω AC	A 00 GHz	< Power	NVNT 2-D	H5 2480M	Hz -og-Pwr	05:09:	27 PM Mar 29, 2023 TRACE 1 2 3 4 5 TYPEIM MMMMMMM
g <mark>ilent Spectrum An RL RF enter Freq 2 OdB/div Ref</mark>	50 Ω AC	A 00 GHz		NVNT 2-D	ALIGNAUTO AVg Type:	HZ _og-Pwr 000/1000	05:09: Ikr1 2.47	27 PM Mar 29, 2023 TRACE 1 2 3 4 5 TYPE M WWWW DET P N N N 9 889 GH
glient Spectrum An RL RF enter Freq 2 OdB/div Ref OdB/div Ref	50 Ω AC 2.48000000 Offset 0.5 dB	A 00 GHz		NVNT 2-D	ALIGNAUTO AVg Type:	HZ _og-Pwr 000/1000	05:09: Ikr1 2.47	27 PM Mar 29, 2023 TRACE 1 2 3 4 5 TYPE M WWWW DET P N N N 9 889 GH
eilent Spectrum And RL RF center Freq 2 0 dB/div Ref 0 dB/div Ref	50 Ω AC 2.48000000 Offset 0.5 dB	A 00 GHz		NVNT 2-D	ALIGNAUTO AVg Type:	HZ _og-Pwr 000/1000	05:09: Ikr1 2.47	27 PM Mar 29, 2023 TRACE 1 2 3 4 5 TYPE M WWWW DET P N N N 9 889 GH
gilent Spectrum An RL RF senter Freq 2 0 dB/div Ref 9 10.0 .00	50 Ω AC 2.48000000 Offset 0.5 dB	A 00 GHz		NVNT 2-D	ALIGNAUTO AVg Type:	HZ _og-Pwr 000/1000	05:09: Ikr1 2.47	27 PM Mar 29, 2023 TRACE 1 2 3 4 5 TYPE M WWWW DET P N N N 9 889 GH
gilent Spectrum And RL RF Center Freq 2 0 dB/div Ref 10.0 0.00	50 Ω AC 2.48000000 Offset 0.5 dB	A 00 GHz		NVNT 2-D	ALIGNAUTO AVg Type:	HZ _og-Pwr 000/1000	05:09: Ikr1 2.47	27 PM Mar 29, 2023 TRACE 1 2 3 4 5 TYPE M WWWW DET P N N N 9 889 GH
glient Spectrum An RL RF center Freq 2 0 dB/div Ref 0 dB/div Ref 0 dB/div 2 0.00	50 Ω AC 2.48000000 Offset 0.5 dB	A 00 GHz		NVNT 2-D	ALIGNAUTO AVg Type:	HZ _og-Pwr 000/1000	05:09: Ikr1 2.47	27 PM Mar 29, 2023 TRACE 1 2 3 4 5 TYPE MWWWMM DET P N N N 9 889 GH:
gllent Spectrum An RL RF center Freq 2 0 dB/div Ref 0 dB/div Ref 0 dB/div Ref 0 dB/div Ref 0 dB/div Ref 0 dB/div Ref 0 dB/div Ref	50 Ω AC 2.48000000 Offset 0.5 dB	A 00 GHz		NVNT 2-D	ALIGNAUTO AVg Type:	HZ _og-Pwr 000/1000	05:09: Ikr1 2.47	27 PM Mar 29, 2023 TRACE 1 2 3 4 5 TYPE MWWWMM DET P N N N 9 889 GH:
gilent Spectrum An RL RF Senter Freq 2 0 dB/div Ref 0	50 Ω AC 2.48000000 Offset 0.5 dB	A 00 GHz		NVNT 2-D	ALIGNAUTO AVg Type:	HZ _og-Pwr 000/1000	05:09: Ikr1 2.47	27 PM Mar 29, 2023 TRACE 1 2 3 4 5 TYPE MWWWMM DET P N N N 9 889 GH:
gilent Spectrum And RL RF Center Freq 2 Ref	50 Ω AC 2.48000000 Offset 0.5 dB	A 00 GHz		NVNT 2-D	ALIGNAUTO AVg Type:	HZ _og-Pwr 000/1000	05:09: Ikr1 2.47	27 PM Mar 29, 2023 TRACE 1 2 3 4 5 TYPE MWWWMM DET P N N N 9 889 GH:
gilent Spectrum An RL RF center Freq 2 0 dB/div Ref 0	50 Ω AC 2.48000000 Offset 0.5 dB	A 00 GHz		NVNT 2-D	ALIGNAUTO AVg Type:	HZ _og-Pwr 000/1000	05:09: Ikr1 2.47	27 PM Mar 29, 2023 TRACE 1 2 3 4 5 TYPE MWWWMM DET P N N N 9 889 GH:
RL Ref center Freq 2 Ref 0 dB/div Ref 10.0	0ffset 0.5 dB 2.4800000	A 00 GHz		NVNT 2-D	ALIGNAUTO AVg Type:	HZ _og-Pwr 000/1000		27 PMMar 29, 2022 TRACE 1 2 3 4 5 9 889 GH; 3.316 dBrr



Page 59 of 100

			< Power	NVNT 3	-DH5	2402M	Hz		
LX/RL	trum Analyzer - Swept S/ RF 50 Ω AC Freq 2.4020000	00 GHz	PNO: Fast	NSE:PULSE . Trig: Free Ru #Atten: 30 dB		GNAUTO Avg Type: Avg Hold: 1		05:11:5	58 PM Mar 29, 2023 IRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N
10 dB/div Log	Ref Offset 0.5 dB Ref 20.00 dBm						М		2 026 GHz .526 dBm
10.0				1					
0.00									
-10.0									
-20.0									
-30.0									
40.0									
-50.0									
-60.0									
-70.0									
Penter 2	.402000 GHz							Snar	10.00 MHz
	/ 2.0 MHz		#VB	W 6.0 MHz			Sweep		(10001 pts
		Peak	<pre>k Power</pre>	NVNT 3	-DH5	2441M	Hz		
KI RL	trum Analyzer - Swept S/ RF 50 Ω AC Freq 2.4410000	A 00 GHz		INSE:PULSE	ALI	GNAUTO Avg Type:	Log-Pwr	05:15:1	.8 PM Mar 29, 2023 IRACE 1 2 3 4 5 6
KI RL	RF 50 Ω AC Freq 2.4410000	A 00 GHz			ALI n	GNAUTO	Log-Pwr 000/1000		TYPE MWWWW DET P N N N N
X RL Center F 10 dB/div	RF 50 Ω AC	A 00 GHz	PNO: Fast	INSE:PULSE	ALI n	GNAUTO Avg Type:	Log-Pwr 000/1000	kr1 2.440	TYPE M W 1 2 3 4 5 6 TYPE M W 1 P N N N N 1 DET P N N N N 1
Ø RL Center F 10 dB/div	RF 50 Ω AC Freq 2.4410000 Ref Offset 0.5 dB	A 00 GHz	PNO: Fast	INSE:PULSE	ALI n	GNAUTO Avg Type:	Log-Pwr 000/1000	kr1 2.440	TYPE M W 1 2 3 4 5 6 TYPE M W 1 P N N N N 1 DET P N N N N 1
V RL Center F	RF 50 Ω AC Freq 2.4410000 Ref Offset 0.5 dB	A 00 GHz	PNO: Fast	INSE:PULSE	ALI n	GNAUTO Avg Type:	Log-Pwr 000/1000	kr1 2.440	TYPE M W 1 2 3 4 5 6 TYPE M W 1 P N N N N 1 DET P N N N N 1
20 dB/div	RF 50 Ω AC Freq 2.4410000 Ref Offset 0.5 dB	A 00 GHz	PNO: Fast	INSE:PULSE	ALI n	GNAUTO Avg Type:	Log-Pwr 000/1000	kr1 2.440	TYPE M WWWWW DET P NNNN
10 dB/div • 9 0 10.0	RF 50 Ω AC Freq 2.4410000 Ref Offset 0.5 dB	A 00 GHz	PNO: Fast	INSE:PULSE	ALI n	GNAUTO Avg Type:	Log-Pwr 000/1000	kr1 2.440	TYPE M W 1 2 3 4 5 6 TYPE M W 1 P N N N N 1 DET P N N N N 1
X RL Center F 10 dB/div -0g 10.0 -00 -10.0 -20.0 -30.0	RF 50 Ω AC Freq 2.4410000 Ref Offset 0.5 dB Ref 20.00 dBn	A 00 GHz	PNO: Fast	INSE:PULSE	ALI n	GNAUTO Avg Type:	Log-Pwr 000/1000	kr1 2.440	TYPE M WWWWW DET P NNNN
X RL Center F 10 dB/div -0g 10.0 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00	RF 50 Ω AC Freq 2.4410000 Ref Offset 0.5 dB Ref 20.00 dBn	A 00 GHz	PNO: Fast	INSE:PULSE	ALI n	GNAUTO Avg Type:	Log-Pwr 000/1000	kr1 2.440	TYPE M WWWWW DET P NNNN
X RL Center F 10 dB/div -0g 10.0 -00 -10.0 -20.0 -30.0	RF 50 Ω AC Freq 2.4410000 Ref Offset 0.5 dB Ref 20.00 dBn	A 00 GHz	PNO: Fast	INSE:PULSE	ALI n	GNAUTO Avg Type:	Log-Pwr 000/1000	kr1 2.440	19 PM Mar 29, 2023 IRACE 11 2, 3, 4, 5, 6 TYPE 11 2, 3, 4, 5, 6 Der IP NINNNN 0 972 GHz 0 739 dBm
ID dE/div -og	RF 50 Ω AC Freq 2.4410000 Ref Offset 0.5 dB Ref 20.00 dBn	A 00 GHz	PNO: Fast	INSE:PULSE	ALI n	GNAUTO Avg Type:	Log-Pwr 000/1000	kr1 2.440	TYPE M WWWWW DET P NNNN
ID dB/div og	RF 50 Ω AC Freq 2.4410000 Ref Offset 0.5 dB Ref 20.00 dBn	A 00 GHz	PNO: Fast	INSE:PULSE	ALI n	GNAUTO Avg Type:	Log-Pwr 000/1000	kr1 2.440	TYPE M WWWWW DET P NNNN
0 B/div 0 0 0 0 10.0	RF 50 Ω AC Freq 2.4410000 Ref Offset 0.5 dB Ref 20.00 dBn	A 00 GHz	PNO: Fast IFGain:Low	INSE:PULSE	ALI n	GNAUTO Avg Type:	Log-Pwr 000/1000	kr1 2.440 9	TYPE M WWWWW DET P NNNN

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Page 60 of 100

Pe	ak Power NVNT 3-D	H5 2480MHz	
gilent Spectrum Analyzer - Swept SA R RL RF 50 Q AC Center Freq 2.480000000 GHz	SENSE:PULSE PNO: Fast Trig: Free Run IFGain:Low #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg[Hold: 1000/1000	05:17:16 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N
Ref Offset 0.5 dB 0 dB/div Ref 20.00 dBm		М	kr1 2.479 949 GHz 8.378 dBm
00 10.0	1		
0.00			
20.0			
30.0			
40.0			
50.0 50.0			
70.0			
Center 2.480000 GHz Res BW 2.0 MHz	#VBW 6.0 MHz	Sweep	Span 10.00 MHz 1.333 ms (10001 pts
ISG		I STATUS	



Page 61 of 100 Report No.: STS2303348W02

4. -20dB Bandwidth

Condition	Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	1.013	Pass
NVNT	1-DH5	2441	1.0042	Pass
NVNT	1-DH5	2480	1.008	Pass
NVNT	2-DH5	2402	1.2852	Pass
NVNT	2-DH5	2441	1.3261	Pass
NVNT	2-DH5	2480	1.2811	Pass
NVNT	3-DH5	2402	1.3022	Pass
NVNT	3-DH5	2441	1.2801	Pass
NVNT	3-DH5	2480	1.3102	Pass



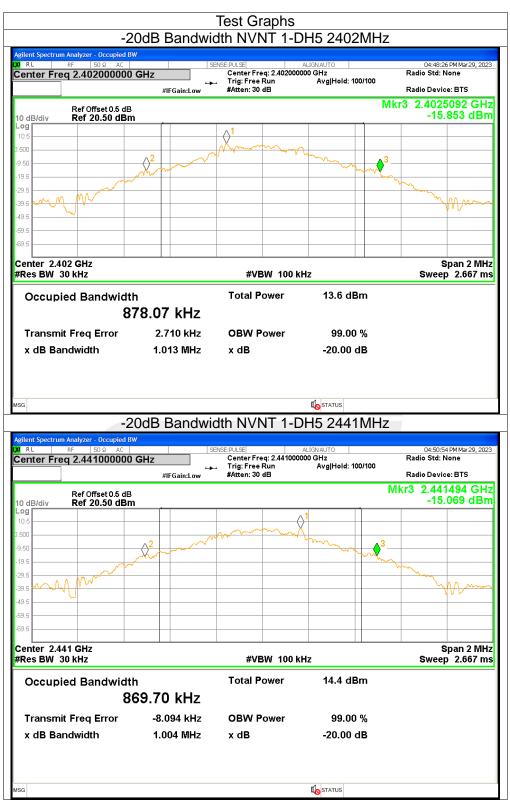
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Page 62 of 100

Report No.: STS2303348W02



Shenzhen STS Test Services Co., Ltd.



Page 63 of 100

-20dB Bandwidth NVNT 1-DH5 2480MHz Occupied BV RI 04:45:38 PM Mar 29, 2023 Radio Std: None EPOLSE | ALIGNAUT 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 2.4804979 GHz Ref Offset 0.5 dB Ref 20.50 dBm -14.234 dBm 10 dB/div og. ()500 .50 9 99 M 39. 49 Center 2.48 GHz Span 2 MHz #Res BW 30 kHz #VBW 100 kHz Sweep 2.667 ms **Total Power** 13.4 dBm **Occupied Bandwidth** 866.58 kHz **Transmit Freq Error** -6.084 kHz **OBW Power** 99.00 % x dB Bandwidth 1.008 MHz x dB -20.00 dB **I**status -20dB Bandwidth NVNT 2-DH5 2402MHz 04:53:38 PM Mar 29, 2023 Radio Std: None 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 2.402642 GHz Ref Offset 0.5 dB Ref 20.50 dBm -14.987 dBm 0 dB/div og .50 ()193 29 a i 49. Center 2.402 GHz Span 2 MHz #Res BW 30 kHz #VBW 100 kHz Sweep 2.667 ms **Total Power** 13.5 dBm **Occupied Bandwidth** 1.1838 MHz -569 Hz **Transmit Freq Error OBW Power** 99.00 % x dB Bandwidth 1.285 MHz x dB -20.00 dB **I**STATUS

Shenzhen STS Test Services Co., Ltd.



Page 64 of 100

-20	dB Bandwi	dth NVNT 2-D	H5 2441MHz	2
Agilent Spectrum Analyzer - Occupied BW X RL RF 50 & AC Center Freq 2.441000000 (SE	ENSE:PULSE Center Freq: 2.4410000 Trig: Free Run #Atten: 30 dB	ALIGNAUTO 100 GHz Avg Hold: 100/100	05:07:56 PM Mar 29, 2023 Radio Std: None Radio Device: BTS
Ref Offset 0.5 dB 10 dB/div Ref 20.50 dBm			N	1kr3 2.4416616 GHz -16.341 dBm
		1		
0.500 2 a d		Amonton		~ ~ ~ ~
9.50				
29.5 Ang Ang				hand
49.5				
69.5				
Center 2.441 GHz #Res BW 30 kHz		#VBW 100 kl	H7	Span 2 MHz Sweep 2.667 ms
Occupied Bandwidth		Total Power	14.0 dBm	
•	927 MHz			
Transmit Freq Error	-1.448 kHz	OBW Power	99.00 %	
x dB Bandwidth	1.326 MHz	x dB	-20.00 dB	
ISG			K STATUS	
-20	dB Bandwid	dth NVNT 2-D	H5 2480MHz	<u></u>
Agilent Spectrum Analyzer - Occupied BW	SE	ENSE:PULSE		05:09:52 PM Mar 29, 2023 Radio Std: None
Center Freq 2.480000000 (GHZ #IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Hold: 100/100	Radio Device: BTS
Ref Offset 0.5 dB 0 dB/div Ref 20.50 dBm			N	1kr3 2.4806398 GHz -14.902 dBm
- 09 10.5		1		
.500 9.50	mm	Mundun	hummin	~~ 🐴
19.5				
29.5 39.5 1				month
49.5				
59.5				
69.5				
69.5		#VBW 100 ki	Hz	
Center 2.48 GHz #Res BW 30 kHz Occupied Bandwidth		#VBW 100 ki	Hz 13.1 dBm	
Center 2.48 GHz #Res BW 30 kHz Occupied Bandwidth 1.1	847 MHz	Total Power	13.1 dBm	Span 2 MHz Sweep 2.667 ms
Center 2.48 GHz #Res BW 30 kHz Occupied Bandwidth				
© 5 Center 2.48 GHz #Res BW 30 kHz Occupied Bandwidth 1.1 Transmit Freq Error	847 MHz -709 Hz	Total Power OBW Power	13.1 dBm 99.00 %	

Shenzhen STS Test Services Co., Ltd.



Page 65 of 100

-20dB Bandwidth NVNT 3-DH5 2402MHz



Shenzhen STS Test Services Co., Ltd.



Page 66 of 100

Report No.: STS2303348W02

			K STATUS	
andwidth	1.310 MHz	x dB	-20.00 dB	
nit Freq Error	-2.406 kHz	OBW Power	99.00 %	
		Total Power	13.1 dBm	
48 GHz 30 kHz		#VBW 100 k	Hz	Span 2 MH Sweep 2.667 m
V V				
nan				human
^2 m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	many	monorm	3
		0 ¹		
Ref Offset 0.5 dB Ref 20.50 dBm			N.	Ikr3 2.4806527 GH -16.129 dBn
	#IFGain:Low	→ Trig:Free Run #Atten: 30 dB		Radio Device: BTS
				05:17:41 PM Mar 29, 202 Radio Std: None
RF 50 Ω AC				
	Ref Offset 0.5 dB Ref 20.50 dBm 20.50 dBm 20.5	Ref Offset 0.5 dB Ref 20.50 dBm	Image: constrained of the second of the s	Trig: Free Run Avg Hold: 100/100 Ref Offset 0.5 dB Image: Constraint of the second



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Page 67 of 100 Report No.: STS2303348W02

5. Carrier Frequencies Separation

Condition	Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	2401.842	2402.9	1.058	>=0.675	Pass
NVNT	1-DH5	2439.968	2440.992	1.024	>=0.669	Pass
NVNT	1-DH5	2478.882	2479.838	0.956	>=0.672	Pass
NVNT	2-DH5	2402.158	2403.164	1.006	>=0.857	Pass
NVNT	2-DH5	2440.984	2442.022	1.038	>=0.884	Pass
NVNT	2-DH5	2479.014	2480.012	0.998	>=0.854	Pass
NVNT	3-DH5	2402.138	2403.156	1.018	>=0.868	Pass
NVNT	3-DH5	2440.856	2442.012	1.156	>=0.853	Pass
NVNT	3-DH5	2478.816	2479.818	1.002	>=0.873	Pass



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Page 68 of 100

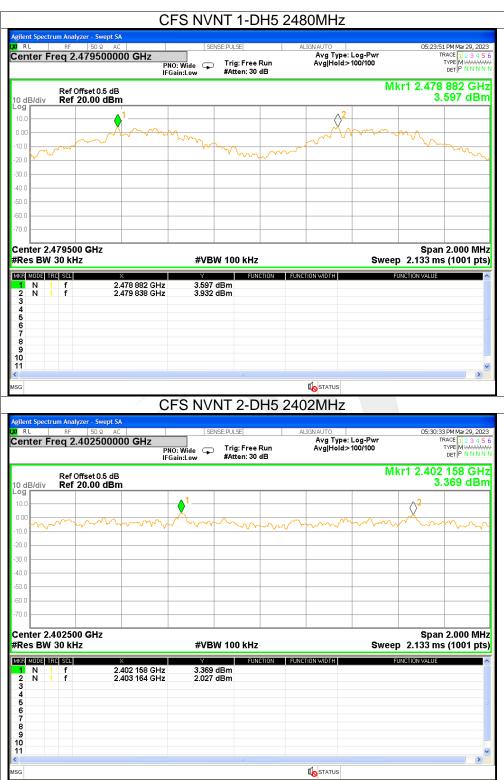
Report No.: STS2303348W02

	AC	SENSE:PULS	1-DH5 24	ALIGNAUTO	_	05:21:28 F	M Mar 29, 202
enter Freq 2.402500	PNO:	Wide 🖵 Trig in:Low #Atte	: Free Run en: 30 dB	Avg Type: Lo Avg Hold:>10	og-Pwr)0/100	TRA T\ [CE 1 2 3 4 5 (PE MWWWW DET P N N N N
Ref Offset 0.5 d 0 dB/div Ref 20.00 dB					Mkr	1 2.401 8 5.3	342 GH 32 dBr
og 10.0	1				2		
0.00	- mar mar	m		~~~~~	Marin Marina	when	2
20.0		у '	www.				- ~~~
40.0							
50.0							
70.0							
enter 2.402500 GHz Res BW 30 kHz		#VBW 100	kHz		Sweep	Span 2 2.133 ms	2.000 MH (1001 pts
IKR MODE TRC SCL	× 2.401 842 GHz	Y 5.332 dBm		NCTION WIDTH	-	CTION VALUE	
2 N 1 f 3	2.401 842 GH2 2.402 900 GHz	3.382 dBm					
4 5							
6 7 8							
9							
10							>
			iid	I status			
	CF	S NVNT	1-DH5 24	-			
11 sg gilent Spectrum Analyzer - Swept RL RF 50 Ω	AC	S NVNT		41MHz		05:22:50 F	M Mar 29, 202
11 scg gilent Spectrum Analyzer - Swept	AC 000 GHz PNO:	SENSE:PULS	E Free Run	41MHz	og-Pwr 10/100	TRA T)	M Mar 29, 202 CE 1 2 3 4 5
11 gilent Spectrum Analyzer - Swept RL RF 50 Q center Freq 2.440500 Ref Offset 0.5 d	SA AC 000 GHz PNO: IFGai IB	SENSE:PULS	ε	41MHz	00/100	TRA TV 1 2.439 9	M Mar 29, 202 CE 1 2 3 4 5 PE M M M M DET P N N N N 968 GH
11	SA AC 000 GHz PNO: IFGai IB	SENSE:PULS	E Free Run	41MHz	00/100	TRA TV 1 2.439 9	M Mar 29, 202 CE 1 2 3 4 5 PE M WWW ET P N N N N 968 GH
11	SA AC 000 GHz PNO: IFGai IB	SENSE:PULS	E Free Run	41MHz	00/100	TRA TV 1 2.439 9	M Mar 29, 202 CE 1 2 3 4 5 PE M WWW ET P N N N N 968 GH
11	SA AC 000 GHz PNO: IFGai IB	SENSE:PULS Wide Trig In:Low #Att	E Free Run	41MHz	00/100	TRA TV 1 2.439 9	M Mar 29, 202 CE 1 2 3 4 5 PE M WWW ET P N N N N 968 GH
11	SA AC 000 GHz PNO: IFGai IB	SENSE:PULS Wide Trig In:Low #Att	E Free Run	41MHz	00/100	TRA TV 1 2.439 9	M Mar 29, 202 CE 1 2 3 4 5 PE M WWW ET P N N N N 968 GH
11	SA AC 000 GHz PNO: IFGai IB	SENSE:PULS Wide Trig In:Low #Att	E Free Run	41MHz	00/100	TRA TV 1 2.439 9	M Mar 29, 202 CE 1 2 3 4 5 PE M WWW ET P N N N N 968 GH
11	SA AC 000 GHz PNO: IFGai IB	SENSE:PULS Wide Trig In:Low #Att	E Free Run	41MHz	00/100	TRA TV 1 2.439 9	MMar 29, 202 CE 1 2 3 4 5 PE MWWW NN N
11	SA AC 000 GHz PNO: IFGai IB	SENSE:PULS Wide Trig In:Low #Att	E Free Run	41MHz	00/100	TRA TV 1 2.439 9	M Mar 29, 202 CE 1 2 3 4 5 PE M WWW ET P N N N N 968 GH
II II Star Star RL RF Star Ref Offset 0.5 d Star O dB/div Ref 20.00 dE 0 dD Star 0 dD Star 0 dD Star 0 dD Star	SA AC 000 GHz PNO: IFGai IB	SENSE:PULS Wide Trig In:Low #Att	E Free Run	41MHz	00/100	1 2.439 \$ 5.0	MMar 29, 202 CE 10:33 4 5 Pre M MMM 368 GH 64 dBr
II III III III III IIII IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	SA AC 000 GHz PNO: IFGai IB	SENSE:PULS Wide Trig In:Low #Att	E	41MHz	Mkr	5.0 Span 2 2.133 ms	MMar 29, 202 GE 12 3 4 5 FREM WWWWW 968 GH 64 dBr 64 dBr
Rt RF S0 Ω enter Freq 2.440500 Ref Offset 0.5 d 0 dB/div Ref 20.00 dE 99 0.0 0.0 0.0	SA AC DOO GHz PN0: IFGai IB 3m 1 4 1 4 1 4 1 4	Vide Trig miLow #Att	E	41MHz	Mkr	5.0 Span 2	MMar 29, 202 GE 12 3 4 5 FREM WWWWW 968 GH 64 dBr 64 dBr
II II SG SG RL RF SO Ω center Freq 2.440500 SG 0 dB/div Ref Offset 0.5 d 0 dB/div Ref 20.00 dE 1 N f 3 f	SA AC PNO: IFGai BB 3m	SENSE:PULS Wide Trig #Att	E	41MHz	Mkr	5.0 Span 2 2.133 ms	MMar 29, 202 GE 12 3 4 5 FREM WWWWW 968 GH 64 dBr 64 dBr
II II SG SG RL RF SO Ω center Freq 2.440500 SG 0 dB/div Ref Offset 0.5 d 0 dB/div Ref 20.00 dE 1 N f 3 f	SA AC DOO GHz PN0: IFGai IB 3m 1 4 1 4 1 4 1 4	Vide Trig miLow #Att	E	41MHz	Mkr	5.0 Span 2 2.133 ms	2.000 MH
Rt RF S0 Ω enter Freq 2.440500 Ref Offset 0.5 d 0 dB/div Ref 20.00 dE 99 0.0 0.0 0.0	SA AC DOO GHz PN0: IFGai IB 3m 1 4 1 4 1 4 1 4	Vide Trig niLow #Att	E	41MHz	Mkr	5.0 Span 2 2.133 ms	MMar 29, 202 GE 12 3 4 5 FREM WWWWW 968 GH 64 dBr 64 dBr

Shenzhen STS Test Services Co., Ltd.



Page 69 of 100



Shenzhen STS Test Services Co., Ltd.



Page 70 of 100

CFS NVNT 2-DH5 2441MHz ilent Spectrum Analyzer - Swept SA 54 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE M R L Center Freq 2.441500000 GHz Avg Type: Log-Pw Avg|Hold>100/100 PNO: Wide 😱 IFGain:Low Trig: Free Run #Atten: 30 dB Mkr1 2.440 984 GHz Ref Offset 0.5 dB Ref 20.00 dBm 4.418 dBm I0 dB/div og ⊘<mark>2</mark> n n 20.0 30.0 40.0 50.0 60.C 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 T 4.418 dBm 0.755 dBm 1 N 2 N 3 4 5 6 7 8 9 10 11 2.440 984 GHz 2.442 022 GHz f **I**status -CFS NVNT 2-DH5 2480MHz ept SA 56 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE M B L Center Freq 2.479500000 GHz Avg Type: Log-Pw Avg|Hold>100/100 Trig: Free Run #Atten: 30 dB PNO: Wide 😱 IFGain:Low Mkr1 2.479 014 GHz Ref Offset 0.5 dB Ref 20.00 dBm 3.136 dBm 0 dB/div og \Diamond^2 0.00 20.0 30.0 40.0 50.0 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 2.479 014 GHz 2.480 012 GHz 3.136 dBm 3.494 dBm N 1 f N 1 f 1 2 3 4 5 6 7 8 9 10 11 **K**STATUS SG

Shenzhen STS Test Services Co., Ltd.



Page 71 of 100

Report No.: STS2303348W02

		CES NVE	IT 3-DH5 :	2402MHz	
RL RF RECTION Analyzer	50 Ω AC 2500000 GHz		E:PULSE	ALIGNAUTO Avg Type: Log-Pv Avg Hold:>100/100	05:31:44 PM Mar 29, 20 Vr TRACE 1 2 3 4) TYPE M WWW
		PNO: Wide 🖵 IFGain:Low	#Atten: 30 dB	Avg Hold.>100/100	DET P NNN
Ref Offso dB/div Ref 20.	et 0.5 dB 00 dBm				Mkr1 2.402 138 GF 0.264 dB
9 0.0		1			<u>2</u>
.00	mmm	mmm	mmmm	mmm	mm
0.0 		· ·		V.	
1.0					
.0					
.0					
.0					
					0
enter 2.402500 G tes BW 30 kHz	iHZ	#VBW	/ 100 kHz	:	Span 2.000 M Sweep 2.133 ms (1001 p
R MODE TRC SCL N 1 f	X	Y 0.064 a	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
N 1 f N 1 f	2.402 138 GHz 2.403 156 GHz		Bm Bm		
				-4	
6				STATUS	_
		JES NVP	IT 3-DH5	2441MHz	
lent Spectrum Analyzer	- Swept SA				
	50 Ω AC	SEN	6E:PULSE	ALIGNAUTO	05:33:18 PM Mar 29, 20
	1500000 GHz	PNO: Wide	E:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pv Avg Hold>100/100	VI TRACE 1 2 3 4
nter Freq 2.44 Ref Offso dB/div Ref 20.	1500000 GHz	PNO: Wide 😱	Trig: Free Run	Avg Type: Log-Pv	Wr TRACE 1234 TYPE MWWW DET P N N Mkr1 2.440 856 GH
nter Freq 2.44 Ref Offs dB/div Ref 20.	1500000 GHz	PNO: Wide 😱	Trig: Free Run	Avg Type: Log-Pv	Wr TRACE 1234 TYPE MWWW DET P N N Mkr1 2.440 856 GH
Ref Offs dB/div Ref 20.	1500000 GHz	PNO: Wide 😱	Trig: Free Run	Avg Type: Log-Pv	Wr TRACE 1234 TYPE MWWW DET P N N Mkr1 2.440 856 GH
Ref Offse dB/div Ref 20.	1500000 GHz	PNO: Wide 😱	Trig: Free Run	Avg Type: Log-Pv	Wr TRACE 1234 TYPE MWWW DET P N N Mkr1 2.440 856 GH
Ref Offso B/div Ref 20.	1500000 GHz	PNO: Wide 😱	Trig: Free Run	Avg Type: Log-Pv	Wr TRACE 1234 TYPE MWWW DET P N N Mkr1 2.440 856 GH
Ref Offse dB/div Ref 20.	1500000 GHz	PNO: Wide 😱	Trig: Free Run	Avg Type: Log-Pv	Wr TRACE 1234 TYPE MWWW DET P N N Mkr1 2.440 856 GH
Ref Offss dB/div Ref 20.	1500000 GHz	PNO: Wide 😱	Trig: Free Run	Avg Type: Log-Pv	Wr TRACE 1234 TYPE MWWW DET P N N Mkr1 2.440 856 GH
Ref Offss dB/div Ref 20.	1500000 GHz	PNO: Wide 😱	Trig: Free Run	Avg Type: Log-Pv	Wr TRACE 1234 TYPE MWWW DET P N N Mkr1 2.440 856 GH
Ref Offss dB/div Ref 20.	1500000 GHz	PNO: Wide 😱	Trig: Free Run	Avg Type: Log-Pv	Wr TRACE 1234 TYPE MWWW DET P N N Mkr1 2.440 856 GH
Ref Offss dB/div Ref 20.	1500000 GHz	PNO: Wide 😱	Trig: Free Run	Avg Type: Log-PAvg Hold>100/100	Mkr1 2.440 856 GH 2.877 dB
Ref Offsa B/div Ref 20. Ref Offsa Ref 20. Ref 20.	1500000 GHz	PNO: Wide PFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-PAvg Hold>100/100	Mkr1 2.440 856 GH 2.877 dB
Ref Offs: dB/div Ref 20. Ref Offs: Ref Of	1500000 GHz	PNO: Wide PFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-PAvg Hold>100/100	Mkr1 2.440 856 GH 2.877 dB
Ref Offs: dB/div Ref 20. Ref 0ffs: Ref 0ffs: Ref 0ffs: dB/div Ref 20. Ref 0ffs: Ref 20. Ref 20.	1500000 GHz et 0.5 dB 00 dBm 1 	PNO: Wide FGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-PAvg Hold>100/100	Mkr1 2.440 856 GH 2.877 dB
Ref Offs: dB/div Ref 20. Ref Offs: Ref Of	1500000 GHz et 0.5 dB 00 dBm 1 	PNO: Wide FGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-PAvg Hold>100/100	Mkr1 2.440 856 GH 2.877 dB
Ref Offs: dB/div Ref 20. Ref Offs: Ref Of	1500000 GHz et 0.5 dB 00 dBm 1 	PNO: Wide FGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-PAvg Hold>100/100	Mkr1 2.440 856 GH 2.877 dB
Ref Offs: dB/div Ref 20. Ref 0ffs: Ref 0ffs: Ref 0ffs: dB/div Ref 20. Ref 0ffs: Ref 20. Ref 20.	1500000 GHz et 0.5 dB 00 dBm 1 	PNO: Wide FGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-PAvg Hold>100/100	Mkr1 2.440 856 GH 2.877 dB
nter Freq 2.44	1500000 GHz et 0.5 dB 00 dBm 1 	PNO: Wide FGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-PAvg Hold>100/100	Mkr1 2.440 856 GH 2.877 dB
Ref Offs: dB/div Ref 20. Ref 0ffs: Ref 20. Ref 0ffs: Ref 20. Ref 20.	1500000 GHz et 0.5 dB 00 dBm 1 	PNO: Wide FGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-PAvg Hold>100/100	Mkr1 2.440 856 GF 2.877 dB 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

Shenzhen STS Test Services Co., Ltd.



Page 72 of 100

Report No.: STS2303348W02

CFS NVNT 3-D	H5 2480MHz

Agilent Spectrum Analyzer - Swept SA					
X/RL RF 50Ω AC	SENSE:PU	LSE	ALIGNAUTO		05:34:17 PM Mar 29, 2023
Center Freq 2.479500000 GHz	PNO: Wide 🖵 Tr IFGain:Low #A	ig: Free Run tten: 30 dB	Avg Type: Lo Avg Hold≫10		TRACE 1 2 3 4 5 TYPE MWWWW DET PNNNN
Ref Offset 0.5 dB 10 dB/div Ref 20.00 dBm				Mkr1 :	2.478 816 GHz 2.139 dBm
			2 2	~- <u>^</u>	
10.0		- mand	www.ww	VU P P S	
30.0					
40.0					
50.0					
60.0					
70.0					
Center 2.479500 GHz Res BW 30 kHz	#VBW 10	00 kHz		Sweep 2.	Span 2.000 MH 133 ms (1001 pts
IKR MODE TRC SCL X 1 N 1 f 2.478 816 G			FUNCTION WIDTH	FUNCTIO	N VALUE
2 N 1 f 2.479 818 G	Hz 2.137 dBm				
4 5 6					
7 8					
9 00					
G			I STATUS		



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Page 73 of 100 Report No.: STS2303348W02

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



Shenzhen STS Test Services Co., Ltd.

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Page 74 of 100

Report No.: STS2303348W02

gilent Spectrum Analyzer - RL RF 5			:PULSE	DH5 Hopp		05:21:53 PM Mar 29, 20;
enter Freq 2.44	1750000 GHz P	PNO: Fast	Trig: Free Run #Atten: 30 dB	Aug Type: Avg Hold>		TRACE 1 2 3 4 TYPE MWWWW DET P N N N
Ref Offse DdB/div Ref 20.0	et 0.5 dB				Mkr1 2	.401 920 5 GH 6.209 dBi
		ከተከለበ በ ለአለ አለ	0.000.000.000.000	10.000000000000000000000000000000000000		
	MAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	AAAAAAAAAA	<u>AAAAAAAAAAAA</u>	YYYYYYYYY	₩₩₩₩₩₩₩	
0.0						
0.0						
0.0						\
0.0						Stop 2.48350 GF
Res BW 100 kHz		#VBW	300 kHz		•	.000 ms (1001 pt
KR MODE TRC SCL 1 N 1 f 2 N 1 f	× 2.401 920 5 GHz 2.480 076 5 GHz	6.209 dB 6.220 dB		FUNCTION WIDTH	FUNCT	ON VALUE
3 4 5						
4 5 6 7 8 9						
9						
	Hopr	oing No		To status	ing	
G gilent Spectrum Analyzer +	- Swept SA			DH5 Hoppi	ing	
G jlent Spectrum Analyzer R L RF S	- Swept SA 50 Ω AC 1750000 GHz	SENSE	::PULSE	-	Log-Pwr	05:26:56 PM Mar 29, 20 TRACE 1 2 3 4 5 TYPE M War
g ilent Spectrum Analyzer RL RF S enter Freq 2.44	- Swept SA 50 Ω AC 1750000 GHz F F	SENSE	:PULSE	DH5 Hopp	Log-Pwr 100/100	05:26:56 PM Mar 29, 20 TRACE 12 3 4 5 TYPE M WWWW DET P NN N1
G ilent Spectrum Analyzer RL RF [enter Freq 2.44* Ref Offse 0 dB/div Ref 20.0	- Swept SA 50 Ω AC 1750000 GHz P IFi et 0.5 dB	SENSE	::PULSE	DH5 Hopp	Log-Pwr 100/100	05:26:56 PM Mar 29, 20 TRACE 12 3 4 1 TYPE M WWW DET P N N N 401 837 0 GH
G ilent Spectrum Analyzer RL RF [enter Freq 2.44* O dB/div Ref 20.6 g 0.0 1	- Swept SA 50 Ω AC 1750000 GHz P IFi et 0.5 dB	SENSE NO: Fast Gain:Low	:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Avg Hold>	Log-Pwr 100/100 Mkr1 2	05:26:56 PM Mar 29, 20 TRACE [1 2 3 4 TYPE [M WAWN DET [P N N N 1 4.042 dBi 4.042 dBi
G G G G G C C C C C C C C C C C C C	- Swept SA 50 g AC 1750000 GHz 	SENSE NO: Fast Gain:Low	:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Avg Hold>	Log-Pwr 100/100 Mkr1 2	05:26:56 PM Mar 29, 20 TRACE [1 2 3 4 TYPE [M WAWN DET [P N N N 1 4.042 dBi 4.042 dBi
ilent Spectrum Analyzer RL RF S enter Freq 2.447 Ref Offse 0 dB/div Ref 20.0 9 0.0 0.0 0.0 0.0 0.0 0.0 0.	- Swept SA 50 g AC 1750000 GHz 	SENSE NO: Fast Gain:Low	:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Avg Hold>	Log-Pwr 100/100 Mkr1 2	05:26:56 PM Mar 29, 20 TRACE [1 2 3 4 TYPE [M WAWN DET [P N N N 1 4.042 dBi 4.042 dBi
s ilent Spectrum Analyzer RL RF S enter Freq 2.447 Ref Offse 0 dB/div Ref 20.0 9 0.0 0 1 0.0 0 1 0.0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	- Swept SA 50 g AC 1750000 GHz 	SENSE NO: Fast Gain:Low	:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Avg Hold>	Log-Pwr 100/100 Mkr1 2	05:26:56 PM Mar 29, 20 TRACE [1 2 3 4 TYPE [M WAWN DET [P N N N 1 4.042 dBi 4.042 dBi
Rel Offse 0.00 1 0.00 1 0.00 1 0.00 1 0.00 1 0.00 1 0.00 1 0.00 1 0.00 1 0.00 1 0.00 1 0.00 1 0.00 1 0.00 1 0.00 1	- Swept SA 50 g AC 1750000 GHz 	SENSE NO: Fast Gain:Low	:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Avg Hold>	Log-Pwr 100/100 Mkr1 2	05:26:56 PM Mar 29, 20 TRACE [1 2 3 4 TYPE [M WAWN DET [P N N N 1 4.042 dBi 4.042 dBi
Image: sector of the	- Swept SA 50 g AC 1750000 GHz 	SENSE NO: Fast Gain:Low	:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Avg Hold>	Log-Pwr 100/100 Mkr1 2 w././/.l	05:26:56 PM Mar 29, 20 TRACE 12 3 4 TYPE M 20 3 4 DET P N N N 4.042 dBI
g g g <td>- Swept SA 50 g AC 1750000 GHz </td> <td>SENSE Sain:Low</td> <td>:PULSE Trig: Free Run #Atten: 30 dB</td> <td>ALIGNAUTO Avg Type: Avg Hold></td> <td>Log-Pwr 100/100 Mkr1 2.</td> <td>05:26:56 PM Mar 29, 20 TRACE 2 3 4 TYPE MINIMUM 4.042 dBi 4.042 dBi</td>	- Swept SA 50 g AC 1750000 GHz 	SENSE Sain:Low	:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Avg Hold>	Log-Pwr 100/100 Mkr1 2.	05:26:56 PM Mar 29, 20 TRACE 2 3 4 TYPE MINIMUM 4.042 dBi 4.042 dBi
G Image: Spectrum Analyzer RL RF RE RF Image: Spectrum Analyzer RF	- Swept SA 50 @ AC 1750000 GHz P IF it 0.5 dB 00 dBm 	SENSE NO: Fast Gain:Low	PULSE	ALIGNAUTO Avg Type: Avg Hold>	Log-Pwr 100/100 Mkr1 2 MANNANNANN MANNANNANN Sweep 8	05:26:56 PM Mar 29, 20 TRACE 23 4 : TYPE MINIMUM 4.042 dBi 4.042 dBi
rsi rsi rsi rsi RL RF enter Freq 2.44' 0 dB/div Ref Offse 0 dB/div Ref 20.6 0 db/div Ref 2.5 1 n 1 2 N 1 1 db/div Ref 2.5	- Swept SA 50 Q AC 1750000 GHz P IF t 0.5 dB 00 dBm 	SENSE Sain:Low	PULSE	ALIGNAUTO	Log-Pwr 100/100 Mkr1 2 MANNANNANN MANNANNANN Sweep 8	05:26:56 PM Mar 29, 20 TRACE 1 23 4 TYPE 1 24 DET P NNN 4.042 dBI 4.042 dBI
rsi rsi rsi rsi RL RF enter Freq 2.44' 0 dB/div Ref Offse 0 dB/div Ref 20.6 0 db/div Ref 2.5 1 n 1 2 N 1 1 db/div Ref 2.5	- Swept SA 50 @ AC 1750000 GHz P IF it 0.5 dB 00 dBm 	SENSE NO: Fast Gain:Low	PULSE	ALIGNAUTO	Log-Pwr 100/100 Mkr1 2 MANNANNANN MANNANNANN Sweep 8	05:26:56 PM Mar 29, 20 TRACE 1 23 4 TYPE 1 24 DET P NNN 4.042 dBI 4.042 dBI
Ref Offse Ref Offse 0 dB/div Ref 20.0 9 1 0.0 1 0.00 1	- Swept SA 50 @ AC 1750000 GHz P IF it 0.5 dB 00 dBm 	SENSE NO: Fast Gain:Low	PULSE	ALIGNAUTO	Log-Pwr 100/100 Mkr1 2 MANNANNANN MANNANNANN Sweep 8	05:26:56 PM Mar 29, 20 TRACE 1 23 4 TYPE 1 24 DET P NNN 4.042 dBI 4.042 dBI



Page 75 of 100

	Hoppir	ig No. NVN⊺	Г 3-DH5 Нор	ping	
Agilent Spectrum Analyzer - Sv X RL RF 50 : Center Freq 2.4417	Ω AC 50000 GHz	SENSE:PULSE Fast	Run Avg Hol	0 pe: Log-Pwr d>100/100	5:32:20 PM Mar 29, 2023 TRACE 1 2 3 4 5 1 TYPE M WWWWW DET P N N N N
Ref Offset 0 10 dB/div Ref 20.00				Mkr1 2.40	1 753 5 GHz 2.924 dBm
0.00	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Whomportout	WrwygradowywW	hay and the second second	normer manager
20.0					<u></u>
40.0					- V
70.0 Start 2.40000 GHz				Sto	op 2.48350 GHz
Res BW 100 kHz		#VBW 300 kHz	-	•	0 ms (1001 pts
MKF MODE TRC SQL 1 N 1 f 2 N 1 f 3 4 5 5 6 7 8 8	X 2.401 753 5 GHz 2.480 410 5 GHz	Y FUN 2.924 dBm 2.556 dBm	FUNCTION VIDTH	FUNCTION V	ALUE
9 10 11 55 56			Ko status		2





Shenzhen STS Test Services Co., Ltd.



Page 76 of 100 Report No.: STS2303348W02

7. Band Edge

Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	No-Hopping	-60.63	<=-20	Pass
NVNT	1-DH5	2480	No-Hopping	-64.91	<=-20	Pass
NVNT	2-DH5	2402	No-Hopping	-52.87	<=-20	Pass
NVNT	2-DH5	2480	No-Hopping	-62.38	<=-20	Pass
NVNT	3-DH5	2402	No-Hopping	-52.71	<=-20	Pass
NVNT	3-DH5	2480	No-Hopping	-60.06	<=-20	Pass



Shenzhen STS Test Services Co., Ltd.

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Page 77 of 100

Report No.: STS2303348W02

RL	rum Analyzer - Swep	ot SA			1Hz No-Ho		
enter F	RF 50 Ω Freq 2.402000	Р		rig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Lo Avg Hold: 100		04:48:42 PM Mar 29, 202 TRACE 1 2 3 4 5 TYPE MWWW DET P N N N N
dB/div	Ref Offset 0.5 d Ref 20.00 dB	dB				Mkr1	2.401 840 GH 6.705 dBi
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0.0							
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0.0							
0.0			mt -				
0.0 <mark>adjunijaju</mark>	Waldgorvieweleverer	AND PHAT POPAL PRANCE				ann chailte ann an Annalaith	majanikalipertermetalajua
0.0							
	402000 GHz						Span 8.000 MH
ses BW	100 kHz		#VBW 3	00 KHZ	STATUS	#Sweep 10	0.0 ms (1001 pt
	Band E	dae NVN	T 1-DH5	2402MHz	No-Hopp	ina Emiss	sion
ilent Spectr R L	rum Analyzer - Swep RF 50 Ω	ot SA				Ŭ	
	req 2.356000	0000 GHz	NO: Fast	rig: Free Run	ALIGNAUTO Avg Type: Lo Avg Hold: 100		04:48:55 PM Mar 29, 202 TRACE 1 2 3 4 5 TYPE MWWW
		IF	Gain:Low #/	Atten: 30 dB		Mkr	DET P NNNN 1 2.402 2 GH
dB/div	Ref Offset 0.5 Ref 20.00 dl						6.663 dBr
							•
0.0							-13:30 dE
0.0							
0.00							
0.00							- V V
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0.00 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0600 GHz 100 kHz	ng-adja-Managar-ga-dga-bi nga	#VBW 3	00 kHz	thim carritor a ship course		
1.00 0.0 0.0 0.0 0.0 0.0 1.0 1.0	100 kHz RC SCL	× 2402.2 CI	Y	FUNCTION			Stop 2.40600 GH 0.0 ms (1001 pts
1.00 0.0 0.0 0.0 0.0 1.0 1.0 1.0	TOO KHZ RC SCL 1 f 1 f	× 2.402 2 GHz 2.400 0 GHz 2.400 0 GHz	6.663 dBn -53.928 dBn	FUNCTION F		#Sweep 10	0.0 ms (1001 pt
Res BW 1 N 1 2 N 1 3 N 1 4 N 1 5	100 kHz Reisci	× 2.402 2 GHz 2.400 0 GHz 2.400 0 GHz 2.400 0 GHz	Y 6.663 dBn	FUNCTION F		#Sweep 10	0.0 ms (1001 pt
	7 100 kHz RC SCL 1 f 1 f 1 f	2.400 0 GHz 2.400 0 GHz	6.663 dBn -53.928 dBn -53.928 dBn	FUNCTION F		#Sweep 10	0.0 ms (1001 pt
1.00 0.0 0.0 0.0 0.0 1.0 1.0 1.0	7 100 kHz RC SCL 1 f 1 f 1 f	2.400 0 GHz 2.400 0 GHz	6.663 dBn -53.928 dBn -53.928 dBn	FUNCTION F		#Sweep 10	0.0 ms (1001 pt
0.00 0.0 0.0 0.0 0.0 0.0		the second sector sector sector			Notices and the second states and the	المأسانة تورج محموا لوسيا تورون وال	Manager and a start and



Page 78 of 100

Report No.: STS2303348W02

	Band Ec	ige invir	11 1-DF	15 2480MI	Hz No-Ho	opping Re	et
Agilent Spectrum Ar			SENSE:PU	LSE	ALIGNAUTO		04:45:54 PM Mar 29, 2023
	2.480000000 G	SHz PNO: W IFGain:L	ide 🛶 Tri	ig: Free Run tten: 30 dB	Avg Type: L Avg Hold: 10	og-Pwr 0/100	TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N
	f Offset 0.5 dB f 20.00 dBm					Mkr1	2.479 832 GHz 6.741 dBm
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0.00				M			
-10.0							
-20.0							
-30.0							
-40.0			<u> </u>				
-50.0					Concille.		
-60.0 -60.0	www.	Annaldan.				have have been and	Multimation of any
-70.0							
Center 2.4800	000 GHz						Span 8.000 MHz
#Res BW 100	kHz		#VBW 30	00 kHz	STATUS	#Sweep 10)0.0 ms (1001 pts)
F	Band Edge	NIV/NIT				in a Engla	
		INVINI	נחם-ד		по-норр	oing Emis	sion
Agilent Spectrum Ar L <mark>XI</mark> RL RI	n <mark>alyzer - Swept SA</mark> F 50 Ω AC		SENSE:PU		ALIGNAUTO		04:46:07 PM Mar 29, 2023
Agilent Spectrum Ar L <mark>XI</mark> RL RI	nalyzer - Swept SA		SENSE:PU			og-Pwr 0/100	04:46:07 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE M MMMMM DET P N N N N N
Agilent Spectrum An WR RL RI Center Freq 10 dB/div Re	n <mark>alyzer - Swept SA</mark> F 50 Ω AC	SHz PNO: F	SENSE:PU	LSE	ALIGNAUTO Avg Type: L	og-Pwr 0/100	04:46:07 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE M WARNAW
Agilent Spectrum Ar 20 RL RI Center Freq 10 dB/div 10.0	nalyzer - Swept SA F 50 Ω AC 2.526000000 C f Offset 0.5 dB	SHz PNO: F	SENSE:PU	LSE	ALIGNAUTO Avg Type: L	og-Pwr 0/100	04:46:07 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N 1 2.479 8 GHz
Agilent Spectrum Ar Center Freq 10 dB/div 0 dB/div 10 dB/div 10 dB/div 10 dB/div 10 dB/div 10 dB/div	nalyzer - Swept SA F 50 Ω AC 2.526000000 C f Offset 0.5 dB	SHz PNO: F	SENSE:PU	LSE	ALIGNAUTO Avg Type: L	og-Pwr 0/100	04:46:07 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N 1 2.479 8 GHz
Agilent Spectrum Ar 20 RL RI Center Freq 10 dB/div 10 0 -0 0 -10 0 -20 0 -30 0	nalyzer - Swept SA F 50 Ω AC 2.526000000 C f Offset 0.5 dB	SHz PNO: F	SENSE:PU	LSE	ALIGNAUTO Avg Type: L	og-Pwr 0/100	04:46:07 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNN r1 2.479 8 GHz 6.733 dBm
Agilent Spectrum Ar 20 RL RI Center Freq 10 dB/div 0.00 -10.0 -20.0	nalyzer - Swept SA F 50 Ω AC 2.526000000 C f Offset 0.5 dB	SHz PNO: F	SENSE:PU	LSE	ALIGNAUTO Avg Type: L	og-Pwr 0/100	04:46:07 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNN r1 2.479 8 GHz 6.733 dBm
Agilent Spectrum Ar 20 RL RI Center Freq 10 dB/div 10.0 .0000 .000 .000	nalyzer - Swept SA F 50 Ω AC 2.526000000 C f Offset 0.5 dB	SHz PNO: F	SENSE:PU	LSE	ALIGNAUTO Avg Type: L	og-Pwr 0/100	04:46:07 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNN r1 2.479 8 GHz 6.733 dBm
Agilent Spectrum Ar 20 RL RI Center Freq 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0	halyzer - Swept SA = 50.9 AC 2.526000000 C f Offset 0.5 dB of 20.00 dBm 2 4 2 4 CHz	SHz PNO: F	SENSE:PU	LSE	ALIGNAUTO Avg Type: L	og-Pwr 0/100 Mki	04:46:07 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNN r1 2.479 8 GHz 6.733 dBm
Agilent Spectrum Ar 20 RL RI Center Freq 10.0	halyzer - Swept SA = 50.9 AC 2.526000000 C f Offset 0.5 dB ef 20.00 dBm 2 4 2 4 CHz KHz X	SHz PNO: F IFGain:1	SENSE:PU	LSE ig: Free Run tten: 30 dB	ALIGNAUTO Avg Type: L Avg Hold: 10	og-Pwr 0/100 Mki	04-46:07 PM Mar 29, 2023 TRACE 12 3 4 5 6 TYPE M WWWWWW DET P NNNN 1 2.479 8 GHz 6.733 dBm
Agilent Spectrum Ar 20 RL RI Center Freq 10 dB/div -0 dB/div	Alyzer - Swept SA = 50 0 AC 2.526000000 C f Offset 0.5 dB f 20.00 dBm 2 2 4 4 CHz kHz 2 4 4 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4	SHz PNO: F IFGain:1	SENSE PU ast Tri #A 	LSE ig: Free Run tten: 30 dB	ALIGNAUTO Avg Type: L Avg Hold: 10	og-Pwr 0/100 Mki	04-46:07 PM Mar 29, 2023 TRACE 12 3 4 5 6 TYPE M WWWWWW DET P NNNN 1 2.479 8 GHz 6.733 dBm
Agilent Spectrum Ar 20 RL RI Center Freq 10 dB/div -0 dB/div	Alyzer - Swept SA = 50 0 AC 2.526000000 C f Offset 0.5 dB f 20.00 dBm 2 2 4 4 CHz kHz 2 4 4 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4	SHz PNO: F IFGain:1	SENSE:PU ast Tri ow #A 	LSE ig: Free Run tten: 30 dB	ALIGNAUTO Avg Type: L Avg Hold: 10	og-Pwr 0/100 Mki	04-46:07 PM Mar 29, 2023 TRACE 12 3 4 5 6 TYPE M WWWWWW DET P NNNN 1 2.479 8 GHz 6.733 dBm
Agilent Spectrum Ar (9) RL RI Center Freq 10 dB/div 10 0 10 0	Alyzer - Swept SA = 50 0 AC 2.526000000 C f Offset 0.5 dB f 20.00 dBm 2 2 4 4 CHz kHz 2 4 4 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4	SHz PNO: F IFGain:1	SENSE PU ast Tri #A 	LSE ig: Free Run tten: 30 dB	ALIGNAUTO Avg Type: L Avg Hold: 10	og-Pwr 0/100 Mki	04:46:07 PM Mar 29, 2023 TRACE 12 3 4 5 6 TYPE MUMMANY DET P N N N N 1 2.479 8 GHz 6.733 dBm
Agilent Spectrum Ar (2) RL RI Center Freq 10 dB/div Re 10 dB/div 10 dB/div Re 10 dB/div Re 10 dB/div Re 10 dB/div Re 10 dB/div Re 10 dB/div Re 10 dB/div 10 dB/div Re 10 dB/div 10 dB/div	Alyzer - Swept SA = 50 0 AC 2.526000000 C f Offset 0.5 dB f 20.00 dBm 2 2 4 4 CHz kHz 2 4 4 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4	SHz PNO: F IFGain:1	SENSE PU ast Tri #A 	LSE ig: Free Run tten: 30 dB	ALIGNAUTO Avg Type: L Avg Hold: 10	og-Pwr 0/100 Mki	04-46:07 PM Mar 29, 2023 TRACE 12 3 4 5 6 TYPE M WWWWWW DET P NNNN 1 2.479 8 GHz 6.733 dBm

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Page 79 of 100

Report No.: STS2303348W02

	and Edge N						
gilent Spectrum Analyzer R L RF	- Swept SA 50 Ω AC		NSE:PULSE	ALIGNAUTO		04:53:54 PM M	lar 29, 2021
enter Freq 2.40	2000000 GHz	PNO: Wide 🔸	Trig: Free Run	Avg Type: L Avg Hold: 10	.og-Pwr)0/100	TRACE TYPE	1 2 3 4 5 Mwwww
D (07	I	FGain:Low	#Atten: 30 dB		Mk	r1 2.402 16	^{P N N N N}
Ref Offse dB/div Ref 20.0							8 dBr
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Res BW 100 kHz				STATUS	-	100.0 ms (11	
Res BW 100 kHz G Ban	d Edge NVI			-	-	100.0 ms (11	
Res BW 100 kHz G Ban ilent Spectrum Analyzer	d Edge NVI	NT 2-DH		HZ NO-HOPP	oing Em	100.0 ms (10 ission	001 pts
Res BW 100 kHz Ban Ilent Spectrum Analyzer RL RF	d Edge NVI - Swept SA 50 Q AC 60000000 GHz	NT 2-DH	15 2402MF	Hz No-Hopp	oing Em	100.0 ms (10 ission 04:54:07 PM M TRACE TYPE	1ar 29, 202
Res BW 100 kHz Ban ilent Spectrum Analyzer RL RF enter Freq 2.350 Ref Offse	d Edge NVI - Swept SA 50 Q AC 6000000 GHz	NT 2-DH	15 2402MH NSE:PULSE Trig: Free Run	HZ NO-HOPP Alignauto Avg Type: L	oing Em	100.0 ms (10 ission 04:54:07 PM TRACE TYPE DET	001 pts 1ar 29, 202 12 3 4 5 MWWWW P N N N 9 GH
Res BW 100 kHz Ban Ilent Spectrum Analyzer RL RF enter Freq 2.350 Ref Offse AB/div Ref 20.1 PG	d Edge NVI - Swept SA 50 Q AC 6000000 GHz	NT 2-DH	15 2402MH NSE:PULSE Trig: Free Run	HZ NO-HOPP Alignauto Avg Type: L	oing Em	100.0 ms (10 ission 04:54:07 PM TRACE TYPE DET	001 pts 1ar 29, 202 12 3 4 5 MWWWW P N N N 9 GH
Res BW 100 kHz Ban Ilent Spectrum Analyzer RL RF enter Freq 2.350 Ref Offse 0 dB/div Ref 20.1 Og	d Edge NVI - Swept SA 50 Q AC 6000000 GHz	NT 2-DH	15 2402MH NSE:PULSE Trig: Free Run	HZ NO-HOPP Alignauto Avg Type: L	oing Em	100.0 ms (10 ission 04:54:07 PM TRACE TYPE DET	001 pts 1ar 29, 202 12 3 4 5 MWWWW P N N N 9 GH
Res BW 100 kHz Ban Ilent Spectrum Analyzer RL RF enter Freq 2.350 AB/div Ref 20.1 Control Control Contro	d Edge NVI - Swept SA 50 Q AC 6000000 GHz	NT 2-DH	15 2402MH NSE:PULSE Trig: Free Run	HZ NO-HOPP Alignauto Avg Type: L	oing Em	100.0 ms (10 ission 04:54:07 PM TRACE TYPE DET	001 pts 1ar 29, 202 12 3 4 5 MWWWW P N N N 9 GH
Res BW 100 kHz Ban Ilent Spectrum Analyzer RL RF enter Freq 2.350 Ref Offse 0 dB/div Ref 20.1 0 0 0 0 0 0 0 0 0 0 0 0	d Edge NVI - Swept SA 50 Q AC 6000000 GHz	NT 2-DH	15 2402MH NSE:PULSE Trig: Free Run	HZ NO-HOPP Alignauto Avg Type: L	oing Em	100.0 ms (10 ission 04:54:07 PM TRACE TYPE DET	001 pts 1ar 29, 202 12 3 4 5 MWWWW P N N N 9 GH
Res BW 100 kHz Ban Ilent Spectrum Analyzer RL RF enter Freq 2.350 Ref Offse 0 dB/div Ref 20.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	d Edge NVI - Swept SA 50 Q AC 6000000 GHz	NT 2-DH	15 2402MH NSE:PULSE Trig: Free Run	HZ NO-HOPP Alignauto Avg Type: L	oing Em	100.0 ms (10 ission 04:54:07 PM TRACE TYPE DET	001 pts 1ar 29, 202 12 3 4 5 MWWWW P N N N 9 GH
Res BW 100 kHz Ban Ilent Spectrum Analyzer RL RF enter Freq 2.350 C C C C C C C C C C C C C C C C C C C	d Edge NVI - Swept SA 50 Q AC 6000000 GHz	NT 2-DH	15 2402MH NSE:PULSE Trig: Free Run	HZ NO-HOPP Alignauto Avg Type: L	oing Em	100.0 ms (10 ission 04:54:07 PM TRACE TYPE DET	001 pts 1ar 29, 202 12 3 4 5 MWWWW P N N N 9 GH
Res BW 100 kHz G Ban Ilent Spectrum Analyzer RL RF enter Freq 2.350 C C C C C C C C C C C C C C C C C C C	d Edge NVI - Swept SA 50 Q AC 6000000 GHz	NT 2-DH	15 2402MH NSE:PULSE Trig: Free Run	HZ NO-HOPP Alignauto Avg Type: L	oing Em	100.0 ms (10 ission 04:54:07 PM TRACE TYPE DET	001 pts 1ar 29, 202 1 2 3 4 5 M WWWW P N N N N 9 GH
Res BW 100 kHz g Ban illent Spectrum Analyzer RL RF enter Freq 2.350 OdB/div Ref Offse 0.0 Ref 20.0 9 0 90 <td>d Edge NVI - Swept SA 50 Q AC 6000000 GHz</td> <td>NT 2-DH</td> <td>15 2402MH NSE:PULSE Trig: Free Run</td> <td>HZ NO-HOPP Alignauto Avg Type: L</td> <td>oing Em</td> <td>100.0 ms (1)</td> <td>Br 29, 202 12 3 4 5 2 2 N NNN 9 GH 9 dBn 1 3 4 dBn</td>	d Edge NVI - Swept SA 50 Q AC 6000000 GHz	NT 2-DH	15 2402MH NSE:PULSE Trig: Free Run	HZ NO-HOPP Alignauto Avg Type: L	oing Em	100.0 ms (1)	Br 29, 202 12 3 4 5 2 2 N NNN 9 GH 9 dBn 1 3 4 dBn
Res BW 100 kHz G Ban ilent Spectrum Analyzer RL RF enter Freq 2.350 C Ref Offse 0 dB/div Ref 20.0 C Ref 2.350 C	d Edge NVI - Swept SA 50 Q AC 6000000 GHz	NT 2-DH	HS 2402MH	ALIGNAUTO ALIGNAUTO Avg Type: L AvglHold: 10	og-Pwr 100/100	100.0 ms (10 iSSION 04:54:07 PM M TRACE TYPE 0ET /Ikr1 2.401 6.085	001 pts
Res BW 100 kHz G Ban Ilent Spectrum Analyzer RL RF enter Freq 2.350 0 dB/div Ref Offse	d Edge NVI - Swept SA 50 2 AC 6000000 GHz 1 1 1 1 1 1 1 1 1 1 1 1 1	NT 2-DH Set PN0: Fast ↔ FGain:Low #VB1	HS 2402MH	HZ NO-HOPP Alignauto Avg Type: L	og-Pwr 100/100	100.0 ms (10 iSSiON 04:54:07 PM M TRACE TYPE 0ET 7/kr1 2.401 6.085	001 pts
Res BW 100 kHz G Ban Ilent Spectrum Analyzer RL RF enter Freq 2.350 0 dB/div Ref Offse	d Edge NVI - Swept SA 50 2 AC 6000000 GHz 1 1 1 1 1 1 1 1 1 1 1 1 1	NT 2-DH SE PNO: Fast → FGain:Low #VB #VB 48.240	HS 2402MH	ALIGNAUTO ALIGNAUTO Avg Type: L AvglHold: 10	og-Pwr 100/100	100.0 ms (10 iSSION 04:54:07 PM M TRACE TYPE 0ET /Ikr1 2.401 6.085	001 pts
Rel Ref Offse RL RF Ref Offse enter Freq 2.35(Ref Offse Ref Offse 0 dB/div Ref 20.1 Ref Offse Ref Offse 0 dB/div Ref 20.1 Ref Offse Ref Offse 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <th< td=""><td>d Edge NVI Swept SA 5000000 GHz 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td>NT 2-DH SE PNO: Fast → FGain:Low #VB #VB 48.240</td><td>HS 2402MH</td><td>ALIGNAUTO ALIGNAUTO Avg Type: L AvglHold: 10</td><td>og-Pwr 100/100</td><td>100.0 ms (10 iSSION 04:54:07 PM M TRACE TYPE 0ET /Ikr1 2.401 6.085</td><td>001 pts</td></th<>	d Edge NVI Swept SA 5000000 GHz 1 1 1 1 1 1 1 1 1 1 1 1 1	NT 2-DH SE PNO: Fast → FGain:Low #VB #VB 48.240	HS 2402MH	ALIGNAUTO ALIGNAUTO Avg Type: L AvglHold: 10	og-Pwr 100/100	100.0 ms (10 iSSION 04:54:07 PM M TRACE TYPE 0ET /Ikr1 2.401 6.085	001 pts
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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



Page 80 of 100

Report No.: STS2303348W02

	and Edge N	IVNI 2-D				1.01	
ilent Spectrum Analyzer -		SENSE:		ALCONALIZO -			0.0444
RL RF 5 enter Freq 2.480		SENSE:	PULSE	ALIGNAUTO Avg Type:	Log-Pwr	05:10:0	18 PM Mar 29, 2023 IRACE 1 2 3 4 5
enter fred 2.400	Р		「rig: Free Run Atten: 30 dB	Avg Hold:	100/100		DET P N N N N
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Res BW 100 kHz B Banc Ilent Spectrum Analyzer - RL RF 5	Swept SA		2480MH	HZ NO-HOP	ping Er	ep 100.0 m Mission 05:10:2	s (1001 pts 21 PM Mar 29, 202: IRACE 1 2 3 4 5 TYPE M Mar 29, 202:
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Res BW 100 kHz Bance Bance Ident Spectrum Analyzer - RL RF S enter Freq 2.526 Ref Offset Ref Offset Ref 20.0 Pg A 1	3 Edge NVN Swept SA D Ω AC ↓ ↓ 0000000 GHz IF 0.5 dB		2480MH	HZ NO-HOP ALIGNAUTO Avg Type:	ping Er	ep 100.0 m mission 05:10:2 Mkr1 2.4	s (1001 pts 1 PM Mar 29, 202 IRACE 1 2 3 4 5 TYPE M N N N 20 C C H
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Res BW 100 kHz Bance Bance Ident Spectrum Analyzer RL RF S enter Freq 2.526 Ref Offset Ref 20.0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 Edge NVN Swept SA D Ω AC ↓ ↓ 0000000 GHz IF 0.5 dB		2480MH	HZ NO-HOP ALIGNAUTO Avg Type:	ping Er	ep 100.0 m mission 05:10:2 Mkr1 2.4	s (1001 pts 1 PM Mar 29, 202 IFRACE 2.3.4 S TYPE M Mar 29, 202 IFRACE 2.3.4 S TYPE M M N N 0 ET N N N N 80 2 GH: 220 dBn
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Res BW 100 kHz Bance ilent Spectrum Analyzer RL RF S enter Freq 2.526 Ref Offset Ref Offset Ref 2.526 Ref 0.0 Ref 0.0 R	3 Edge NVN Swept SA D Ω AC 0000000 GHz IF 0.5 dB		2480MH	HZ NO-HOP ALIGNAUTO Avg Type:	ping Er	ep 100.0 m mission 05:10:2 Mkr1 2.4 6	s (1001 pts 1 PMMar 29, 202 TRACE [] 2 3 4 5 DET P N N N N 80 2 GH: 220 dBn
Res BW 100 kHz Banc Hent Spectrum Analyzer R RF Offset D dB/div Ref 20.0 C Ref Offset Ref 20.0 C Ref 20.0	A Edge NVN Swept SA 00 A AC 000000 GHz 0.5 dB 0 dBm 3 3 4 3 4 4 3 4 4 5 6 1 1 1 1 1 1 1 1 1 1 1 1 1	NO: Fast → 1 Gain:Low ↓	2480MH	HZ NO-HOP ALIGNAUTO Avg Type:	ping Er Log-Pwr 100/100	ep 100.0 m mission 05:10:2 Mkr1 2.4 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	s (1001 pts 11PMMar 29, 2023 TRACE [1 2 3 4 5 TYPE [1
Res BW 100 kHz Bance Bance RL RF S enter Freq 2.526 Ref Offset Ref 20.00 Ref 20.0	A Edge NVN Swept SA D Q A AC 000000 GHz 0.5 dB 0 dBm 3 4 2.480 2 GHz 2.480 2 GHz 2.483 5 GHz	NO: Fast	2480MH	ALIGNAUTO AVG Type: AvgJHold:	ping Er Log-Pwr 100/100	ep 100.0 m mission 05:10:2 Mkr1 2.4 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	s (1001 pts 1 PMMar 29, 202 TRACE [] 2 3 4 5 DET P N N N N 80 2 GH: 220 dBn
Res BW 100 kHz Bance Bance RL RF S enter Freq 2.526 Ref Offset Ref 20.00 Ref 20.0	A Edge NVN Swept SA 00 A C ↓ ↓ 000000 GHz 0.5 dB 0 dBm 3 4 2.480 2 GHz 2.483 5 GHz 2.483 5 GHz 2.483 5 GHz 2.483 5 GHz	NO: Fast →NO: Fast Gain:Low #VBW : * * * * * * * * * * * * *	2480MH	ALIGNAUTO AVG Type: AvgJHold:	ping Er Log-Pwr 100/100	ep 100.0 m mission 05:10:2 Mkr1 2.4 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	s (1001 pts 1 PM Mar 29, 202 TRACE 2.3.45 DET P N N N N 80 2 GH: 220 dBn
Res BW 100 kHz Bance Bance RL RF S enter Freq 2.526 Ref Offset Ref 20.00 Ref 20.0	A Edge NVN Swept SA D Q A AC 000000 GHz 0.5 dB 0 dBm 3 4 2.480 2 GHz 2.480 2 GHz 2.483 5 GHz	NO: Fast	2480MH	ALIGNAUTO AVG Type: AvgJHold:	ping Er Log-Pwr 100/100	ep 100.0 m mission 05:10:2 Mkr1 2.4 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	s (1001 pts 1 PMMar 29, 202 TRACE [] 2 3 4 5 DET P N N N N 80 2 GH: 220 dBn
Res BW 100 kHz Bance Bance RL RF S enter Freq 2.526 Ref Offset Ref 20.00 Ref 20.0	A Edge NVN Swept SA 00 A C ↓ ↓ 000000 GHz 0.5 dB 0 dBm 3 4 2.480 2 GHz 2.483 5 GHz 2.483 5 GHz 2.483 5 GHz 2.483 5 GHz	NO: Fast →NO: Fast Gain:Low #VBW : * * * * * * * * * * * * *	2480MH	ALIGNAUTO AVG Type: AvgJHold:	ping Er Log-Pwr 100/100	ep 100.0 m mission 05:10:2 Mkr1 2.4 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	s (1001 pts 1 PM Mar 29, 202 TRACE 2.3.45 DET P N N N N 80 2 GH: 220 dBn
Stent Spectrum Analyzer - RE Senter Freq 2.526 enter Freq 2.526 Ref Offset Senter Freq 2.526 0 dB/div Ref Offset Ref 20.0 0.0 1 1 0.0 1 1 0.0 1 1 0.0 1 1 0.0 1 1 0.0 1 1 0.0 1 1 0.0 1 1 0.0 1 1 0.0 1 1 0.0 1 1 0.0 1 1 0.0 1 1 0.0 1 1 1 1 1 2 1 1 3 1 1 3 1 1 4 1 1 5 5 5 6 7 9	A Edge NVN Swept SA 00 A C ↓ ↓ 000000 GHz 0.5 dB 0 dBm 3 4 2.480 2 GHz 2.483 5 GHz 2.483 5 GHz 2.483 5 GHz 2.483 5 GHz	NO: Fast →NO: Fast Gain:Low #VBW : * * * * * * * * * * * * *	2480MH	ALIGNAUTO AVG Type: AvgJHold:	ping Er Log-Pwr 100/100	ep 100.0 m mission 05:10:2 Mkr1 2.4 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	s (1001 pts 1 PMMar 29, 202 TRACE [] 2 3 4 5 DET P N N N N 80 2 GH: 220 dBn
Res BW 100 kHz Bance Bance Bance Bance Bance RL RF 5 Ref Offset Ref 20.0 Ref	A Edge NVN Swept SA 00 A C ↓ ↓ 000000 GHz 0.5 dB 0 dBm 3 4 2.480 2 GHz 2.483 5 GHz 2.483 5 GHz 2.483 5 GHz 2.483 5 GHz	NO: Fast →NO: Fast Gain:Low #VBW : * * * * * * * * * * * * *	2480MH	ALIGNAUTO AVG Type: AvgJHold:	ping Er Log-Pwr 100/100	ep 100.0 m mission 05:10:2 Mkr1 2.4 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	s (1001 pts 1 PM Mar 29, 202 TRACE 2.3.45 DET P N N N N 80 2 GH: 220 dBn
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Page 81 of 100

	Band	Edge N	IVNT 3-	DH5 240	2MHz No-H	opping	Ref	
Agilent Spectrum A			SEF	NSE:PULSE	ALIGNAUTO		05:12:42	PM Mar 29, 2023
Center Freq		DO GHz	NO: Wide +++ Gain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold: /	Log-Pwr 100/100	TR	ACE 1 2 3 4 5 6 YPE MWWWWW DET P N N N N N
	f Offset 0.5 dB ef 20.00 dBm	1				Mk		160 GHz 781 dBm
					1			
10.0				M	·			
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-10.0								
-20.0								
20.0			JM	,	$M_{\rm h}$			
-30.0			/hw/		- Www			
-40.0						\mathbf{h}		
-50.0	www.www	- on the weather				hurtanopourt	M warman w	many
-60.0								mpyhw
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Center 2.4020 #Res BW 100			#VB	N 300 kHz		#Sweer		8.000 MHz (1001 pts)
MSG					1			· · /
E			NT 3-DF	15 2402M	Hz No-Hop	ping Em	nission	
Agilent Spectrum A	<mark>nalyzer - Swept SA</mark> F 50 Ω AC	\		15 2402M	Hz No-Hop		05:12:55	PM Mar 29, 2023
Agilent Spectrum A	<mark>nalyzer - Swept SA</mark> F 50 Ω AC	00 GHz	SEP PNO: Fast ↔		Hz No-Hop	Log-Pwr	05:12:55 TR	РМ Mar 29, 2023 ACE 1 2 3 4 5 6 УРЕ М ЧМИЧИНИ DET P N N N N N
Agilent Spectrum A WRLRR Center Freq Re	nalyzer - Swept SA F 50 Ω AC 2.35600000	DO GHz F	SEP	NSE:PULSE	Hz No-Hop Alignauto Avg Type:	Log-Pwr 100/100	05:12:55 TR 1 Vikr1 2.4(
Agilent Spectrum A Var RL R Center Freq 10 dB/div Re	nalyzer - Swept SA F 50 Q AC 2.35600000	DO GHz F	SEP PNO: Fast ↔	NSE:PULSE	Hz No-Hop Alignauto Avg Type:	Log-Pwr 100/100	05:12:55 TR 1 Vikr1 2.4(ACE 1 2 3 4 5 6 YPE MWWWWW DET P N N N N N
Agilent Spectrum A Var RL R Center Freq 10 dB/div Re	nalyzer - Swept SA F 50 Ω AC 2.35600000	DO GHz F	SEP PNO: Fast ↔	NSE:PULSE	Hz No-Hop Alignauto Avg Type:	Log-Pwr 100/100	05:12:55 TR 1 Vikr1 2.4(ACE 123456 YPE MWWWW DET P NNNNN
Agilent Spectrum A ar RL R Center Freq 10 dB/div Re Log 10.0 0.00 -10.0	nalyzer - Swept SA F 50 Ω AC 2.35600000	DO GHz F	SEP PNO: Fast ↔	NSE:PULSE	Hz No-Hop Alignauto Avg Type:	Log-Pwr 100/100	05:12:55 TR 1 Vikr1 2.4(ACE 123456 YPE MWWWW DET P NNNNN
Agilent Spectrum A a RL R Center Freq 10 dB/div Re Log 10.0 0.00	nalyzer - Swept SA F 50 Ω AC 2.35600000	DO GHz F	SEP PNO: Fast ↔	NSE:PULSE	Hz No-Hop Alignauto Avg Type:	Log-Pwr 100/100	05:12:55 TR 1 Vikr1 2.4(ACE 123456 YPE MWWWWW DET PNNNNN
Agilent Spectrum A a RL R Center Freq 10 dB/div Re 10 dB/div Re 10.0 0.00 -10.0 -20.0 -30.0 -40.0	nalyzer - Swept SA F 50 Ω AC 2.35600000	DO GHz F	SEP PNO: Fast ↔	NSE:PULSE	Hz No-Hop Alignauto Avg Type:	Log-Pwr 100/100	05:12:55 TR 1 Vikr1 2.4(ACE 123456 YPE MWWWW DET P NNNNN
Agilent Spectrum A 20 RL R Center Freq 10 dB/div Re 10 dB/div Re 10.0 0.00 -10.0 -20.0 -30.0	nalyzer - Swept SA F 50 Ω AC 2.35600000	DO GHz F	SEP PNO: Fast ↔	NSE:PULSE	Hz No-Hop Alignauto Avg Type:	Log-Pwr 100/100	05:12:55 TR 1 Vikr1 2.4(ACE 123456 YPE MWWWW DET P NNNNN
Agilent Spectrum A a RL R Center Freq 10 dB/div Re 10 dB/div Re 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0	nalyzer - Swept SA F 50 Ω AC 2.35600000	DO GHz F	SEP PNO: Fast ↔	NSE:PULSE	Hz No-Hop Alignauto Avg Type:	Log-Pwr 100/100	05:12:55 TR 1 Vikr1 2.4(ACE 123456 YPE MWWWW DET P NNNNN
Agilent Spectrum A Qa RL R Center Freq Retained 10 dB/div Retained 10 dB/div Retained 10.0	nalyzer - Swept S/ F 50 Ω AC 2.35600000 of Offset 0.5 dB ef 20.00 dBm	DO GHz F	Ser	NSE:PULSE	Hz No-Hop Alignauto Avg Type:	Log-Pwr 100/100	05:12:55 ۲۳ ۵.: ۵.: ۵.: ۵.: ۵.:	ACE 12 34 56 6 VEN MANNA DET P NNNNN DET 2 2 GHz 510 dBm 1
Agilent Spectrum A Agilent Spectrum A Center Freq 10 dB/div Re 10 dB/div Re 10 dB/div 10 d 10 d	nalyzer - Swept S/ F 50 Ω AC 2.35600000 ef Offset 0.5 dB ef 20.00 dBm	200 GHz	Ser Solution Gain:Low #VB	VISE:PULSE	Hz No-Hop Alignauto Avg Type:	Log-Pwr 100/100	05:12:55 TR 0kr1 2.4(6.	ACE 12 34 56 6 VEN MANNA DET P NNNNN DET 2 2 GHz 510 dBm 1
Agilent Spectrum A Ød RL R Center Freq R Log R 10.0 R -00 R -10.0 R -20.0 R -30.0 R -40.0 R -50.0 R -50.0 R -50.0 R -50.0 R -50.0 R -50.0 R -70.0 R Start 2.306000 R MXE MOOE TRC SC 1	nalyzer - Swept S/ F 50 Q AC 2.355600000 of Offset 0.5 dB ef 20.00 dBm	2.400 2 GHz	PN0: Fast Gain:Low #VB1 #VB1 45.938	VSE:PULSE Trig: Free Run #Atten: 30 dB	Hz No-Hop	Log-Pwr 100/100	05:12:55 TR 6.: 6.: 9	ACE 12 34 56 6 VEN MANNA DET P NNNNN DET 2 2 GHz 510 dBm 1
Agilent Spectrum A Ød RL R Center Freq R Log R 10.0 R -00 R -10.0 R -20.0 R -30.0 R -40.0 R -50.0 R -50.0 R -50.0 R -50.0 R -50.0 R -50.0 R -70.0 R Start 2.306000 R MXE MOOE TRC SC 1	nalyzer - Swept S/ F 50 Q AC 2.355600000 of Offset 0.5 dB ef 20.00 dBm	2.402 2 GHz	SE PNO: Fast → Gain:Low #VB #VB 6.510 45.938	VSE:PULSE Trig: Free Run #Atten: 30 dB	Hz No-Hop	Log-Pwr 100/100	05:12:55 TR 6.: 6.: 9	ACE 12 34 56 C
Agilent Spectrum A Ød RL R Center Freq R Log R 10.0 R -00 R -10.0 R -20.0 R -30.0 R -40.0 R -50.0 R -50.0 R -50.0 R -50.0 R -50.0 R -50.0 R -70.0 R Start 2.306000 R MXE MOOE TRC SC 1	nalyzer - Swept S/ F 50 Q AC 2.355600000 of Offset 0.5 dB ef 20.00 dBm	2.400 2 GHz	PN0: Fast Gain:Low #VB1 #VB1 45.938	VSE:PULSE Trig: Free Run #Atten: 30 dB	Hz No-Hop	Log-Pwr 100/100	05:12:55 TR 6.: 6.: 9	ACE 12 34 56 C
Agilent Spectrum A Agilent Spectrum A Agilent Spectrum A Center Freq 10 dB/div Re 10 dB/div 10 dB/div 10 dB/div 200 10.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Start 2.306000 #Res BW 1000 MSB M003 MEC BS 1 N 1 N 3 N	nalyzer - Swept S/ F 50 Q AC 2.355600000 of Offset 0.5 dB ef 20.00 dBm	2.400 2 GHz	PN0: Fast Gain:Low #VB1 #VB1 45.938	VSE:PULSE Trig: Free Run #Atten: 30 dB	Hz No-Hop	Log-Pwr 100/100	05:12:55 TR 6.: 6.: 9	ACE 12 34 5 6 VPE MUMMAND DET P N N N N DET P N N N N DET 2 2 GHz 510 dBm 1

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Page 82 of 100

			IVNT 3-D	DH5 2480	MHz No-H	opping i	Ref	
KI RL	rum Analyzer - Swept S RF 50 Ω AC Treq 2.4800000	00 GHz	SENSE NO: Wide ↔	E:PULSE	ALIGNAUTO Avg Type: I Avg Hold: 1		TF	PM Mar 29, 2023 ACE 1 2 3 4 5 (
	Ref Offset 0.5 dB	IF	Gain:Low	#Atten: 30 dB		Mk	r1 2.479	
10 dB/div	Ref 20.00 dBm	n					6.	757 dBm
10.0				1				
0.00				prover	7			
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70.0								
	480000 GHz 100 kHz		#VBW	300 kHz		#Sweep	Span 100.0 ms	8.000 MH (1001 pts
SG								
					STATUS		<u> </u>	
gilent Spect			NT 3-DH	5 2480MF	to status Iz No-Hopp	oing Em	ission	
RL	Band Ed rum Analyzer - Swept S RF 50 Ω AG Freq 2.5260000	A 00 GHz	SENSE	E:PULSE	IZ NO-HOPP	_og-Pwr	05:18:10 TF	PM Mar 29, 202 ACE 1 2 3 4 5 TYPE IM MARAAN
RL	rum Analyzer - Swept S RF 50 Ω AC req 2.5260000	A 00 GHz F IF			IZ NO-HOP	_og-Pwr 00/100	05:18:10 TF	ACE 1 2 3 4 5 TYPE MWAAAAA DET P N N N N
RL Center F	r <mark>um Analyzer - Swept S</mark> RF 50 Ω AC	A C OO GHz IF	SENSE PNO: Fast ↔→	E:PULSE	IZ NO-HOPP	_og-Pwr 00/100	05:18:10 TF	ACE 1 2 3 4 5 TYPE M WWWW DET P N N N N
C dB/div	rum Analyzer - Swept S RF 50 Ω AC req 2.5260000 Ref Offset 0.5 dB	A C OO GHz IF	SENSE PNO: Fast ↔→	E:PULSE	IZ NO-HOPP	_og-Pwr 00/100	05:18:10 TF	ACE 1 2 3 4 5 TYPE MWWW DET P N N N N
0 dB/div 0 dB/div 0 dB/div	rum Analyzer - Swept S RF 50 Ω AC req 2.5260000 Ref Offset 0.5 dB	A C OO GHz IF	SENSE PNO: Fast ↔→	E:PULSE	IZ NO-HOPP	_og-Pwr 00/100	05:18:10 TF	ACE 12345 TYPE MWWWW DET PNNNN 798GH 808dBn
0 dB/div • 9 10.0 20.0	rum Analyzer - Swept S RF 50 Ω AC req 2.5260000 Ref Offset 0.5 dB	A C OO GHz IF	SENSE PNO: Fast ↔→	E:PULSE	IZ NO-HOPP	_og-Pwr 00/100	05:18:10 TF	ACE 12345 TYPE M WWWW DET P N N N N 79 8 GH 808 dBn
RL enter F 0 dB/div 0 0 00 0 00 <td>rum Analyzer - Swept S RF 50 Ω AC req 2.5260000 Ref Offset 0.5 dB</td> <td>A C OO GHz IF</td> <td>SENSE PNO: Fast ↔→</td> <td>E:PULSE</td> <td>IZ NO-HOPP</td> <td>_og-Pwr 00/100</td> <td>05:18:10 TF</td> <td>ACE 12345 TYPE M WWWW DET P N N N N 79 8 GH 808 dBn</td>	rum Analyzer - Swept S RF 50 Ω AC req 2.5260000 Ref Offset 0.5 dB	A C OO GHz IF	SENSE PNO: Fast ↔→	E:PULSE	IZ NO-HOPP	_og-Pwr 00/100	05:18:10 TF	ACE 12345 TYPE M WWWW DET P N N N N 79 8 GH 808 dBn
C dB/div 0 dB/div 0 00 0 0 0 00 0 000 0 00 0 00	rum Analyzer - Swept S RF 50 & AC Freq 2.52600000 Ref Offset 0.5 dB Ref 20.00 dBn	A C OO GHz IF	SENSE PNO: Fast ↔→	E:PULSE	IZ NO-HOPP	_og-Pwr 00/100	05:18:10 TF	ACE 12345 TYPE MWWWW DET PNNNN 798GH 808dBn
0 dB/div .og 10.0 0.00 10.0 0.00 10.0 0.00 10.	rum Analyzer - Swept S RF 50 2 AC Freq 2.52600000 Ref Offset 0.5 dB Ref 20.00 dBn 1	A C OO GHz IF	SENSE	EPULSE	IZ NO-HOPP	-og-Pwr 00/100	05:18:10 TF Alkr1 2.4 6. 5.	ACE [12 3 4 5 VPE [M HANNED DET [P N N N N 79 8 GH 808 dBn -1324 dB -1324 dB
0 dB/div .og 10.0 0.00 10.0 0.00 10.0 0.00 10.	rum Analyzer - Swept S RF 50 & AC Freq 2.52600000 Ref Offset 0.5 dB Ref 20.00 dBn 1 7 7 7 7 7 7 7 6 00 GHz 1 100 kHz	A C OO GHz IF IF	SENSE	EPULSE	IZ NO-HOPP	-og-Pwr 00/100	05:18:10 TF Akr1 2.4:	ACE [1 2 3 4 5 TYPE [7] ANNIN 79 8 GH 808 dBn -152448 -15248888 -15248888 -1524888 -1
0 dB/div .og 10.0 10.	rum Analyzer - Swept S RF 50 & AC Freq 2.52600000 Ref Offset 0.5 dB Ref 20.00 dBn 1 7 7 7 7 7 7 7 7 7 7 7 7 7	A 00 GHz F F 8 n 2.479 8 GHz 2.479 8 GHz 2.479 8 GHz	SENSI SOU: Fast →→ Gain:Low #VBW 4 6.808 di 5.3305 di	Trig: Free Run #Atten: 30 dB	Iz No-Hopp	-og-Pwr 00/100	05:18:10 TF Akr1 2.4 6. 6. 50 2.1 100.0 ms	ACE [1 2 3 4 5 TYPE [7] ANNIN 79 8 GH 808 dBn -152448 -15248888 -15248888 -1524888 -1
0 dB/div 0 dB/div 0 dB/div 0 d 0 d 0 d 0 d 0 d 0 d 0 d 0 d	rum Analyzer – Swept S RF 50 & AC Freq 2.52600000 Ref Offset 0.5 dB Ref 20.00 dBn 1 7600 GHz 1 100 kHz RC SCL	A 00 GHz F F 8 n - - - - - - - - - - - - -	SENSI PNO: Fast →→ Gain:Low #VBW	Trig: Free Run #Atten: 30 dB	Iz No-Hopp	-og-Pwr 00/100	05:18:10 TF Akr1 2.4 6. 6. 50 2.1 100.0 ms	ACE [1 2 3 4 5 TYPE [7] ANNIN 79 8 GH 808 dBn -152448 -15248888 -15248888 -1524888 -1
0 dB/div 0 dB/div 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	rum Analyzer _ Swept S RF 50 & AC Freq 2.52600000 Ref Offset 0.5 dB Ref 20.00 dBn 1 7 76000 GHz 1 00 kHz 1 f 1 f	A 00 GHz F IF 3 n 2.479 8 GHz 2.479 8 GHz 2.43 5 GHz 2.500 0 GHz	SENSI PNO: Fast →→ Gain:Low #VBW	Trig: Free Run #Atten: 30 dB	Iz No-Hopp	-og-Pwr 00/100	05:18:10 TF Akr1 2.4 6. 6. 50 2.1 100.0 ms	ACE [1 2 3 4 5 TYPE [7] ANNIN 79 8 GH 808 dBn -152448 -15248888 -15248888 -1524888 -1
RL enter F 0 0 0 0	rum Analyzer _ Swept S RF 50 & AC Freq 2.52600000 Ref Offset 0.5 dB Ref 20.00 dBn 1 7 76000 GHz 1 00 kHz 1 f 1 f	A 00 GHz F IF 3 n 2.479 8 GHz 2.479 8 GHz 2.43 5 GHz 2.500 0 GHz	SENSI PNO: Fast →→ Gain:Low #VBW	Trig: Free Run #Atten: 30 dB	Iz No-Hopp	-og-Pwr 00/100	05:18:10 TF Akr1 2.4 6. 6. 50 2.1 100.0 ms	ACE [1 2 3 4 5 TYPE [7] ANNIN 79 8 GH 808 dBn -152448 -15248888 -15248888 -1524888 -1



Page 83 of 100 Report No.: STS2303348W02

8. Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Hopping	-70.45	<=-20	Pass
NVNT	1-DH5	2480	Hopping	-64.46	<=-20	Pass
NVNT	2-DH5	2402	Hopping	-64.84	<=-20	Pass
NVNT	2-DH5	2480	Hopping	-65.37	<=-20	Pass
NVNT	3-DH5	2402	Hopping	-64.57	<=-20	Pass
NVNT	3-DH5	2480	Hopping	-60.43	<=-20	Pass



Shenzhen STS Test Services Co., Ltd.

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Page 84 of 100

Report No.: STS2303348W02

lent Spectrum Analyzer	d Edge(Hop - Swept SA		E:PULSE	ALIGNAUTO		:22:18 PM Mar 29, 20
enter Freq 2.40	2000000 GHz	PNO: Wide +++	Trig: Free Run #Atten: 24 dB	Avg Type: Log Avg Hold: 3000	g-Pwr	TRACE 1 2 3 4 TYPE MWWW DET P N N N
Ref Offse dB/div Ref 14.					Mkr1 2.4	105 848 GH 7.128 dB
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50					-	
.5			r ·	······································		¥
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i.5						
i.5						
i.5						
5.5 Mmmmm	M	4 ^(U)				
5.5						
enter 2.402000 G	Hz					pan 8.000 MI
Res BW 100 kHz		#VBW	300 kHz	STATUS	Sweep 1.000	ums (1001 pi
1						
Band E	Edge(Hoppir	ng) NVN1	「1-DH5 24	-	pping Emi	ssion
lent Spectrum Analyzer			EPULSE	02MHz Ho	05:	:22:35 PM Mar 29, 20
lent Spectrum Analyzer R L RF	- Swept SA 50 Ω AC 6000000 GHz	SENS		02MHz Ho	05: g-Pwr	:22:35 PM Mar 29, 20 TRACE 1 2 3 4 1 TYPE M WWWW
Ient Spectrum Analyzer RL RF enter Freq 2.35 Ref Offse	- Swept SA 50 Ω AC 60000000 GHz I et 0.5 dB	SENS	E:PULSE	02MHz Ho alignauto Avg Type: Log	05: g-Pwr 0/1000	22:35 PM Mar 29, 20 TRACE 1 2 3 4 TYPE MWWW DET PNNN 2.403 2 GH
Ient Spectrum Analyzer RL RF enter Freq 2.35 Ref Offse dB/div Ref 14.	- Swept SA 50 Ω AC 60000000 GHz	SENS	E:PULSE	02MHz Ho alignauto Avg Type: Log	05: g-Pwr 0/1000	22:35 PM Mar 29, 20 TRACE 1 2 3 4 TYPE MWWW DET PNNN 2.403 2 GH
Ient Spectrum Analyzer RL RF anter Freq 2.35 Ref Offs dB/div Ref 14. 9 50 50	- Swept SA 50 Ω AC 60000000 GHz I et 0.5 dB	SENS	E:PULSE	02MHz Ho alignauto Avg Type: Log	05: g-Pwr 0/1000	22:35 PM Mar 29, 20 TRACE 1 2 3 4 TYPECE 1 2 3 4 TYPE MWMMM DET P N N N 2.403 2 GH 6.682 dB
Ient Spectrum Analyzer RL RF enter Freq 2.35 Ref Offse d B/div Ref 14. 9 5.5	- Swept SA 50 Ω AC 60000000 GHz I et 0.5 dB	SENS	E:PULSE	02MHz Ho alignauto Avg Type: Log	05: g-Pwr 0/1000	22:35 PM Mar 29, 20 TRACE 12 3 4 TYPE M Mar 29, 20 DET P NN N1 2.403 2 GH 6.682 dB
RL Ref enter Freq 2.35 Ref Offs 0 Second 5.5 Second 5.6 Second	- Swept SA 50 Ω AC 60000000 GHz I et 0.5 dB	SENS	E:PULSE	02MHz Ho alignauto Avg Type: Log	05: g-Pwr 0/1000	22:35 PM Mar 29, 20 TRACE 1 2 3 4 4 TYPE M MAMMMM DET P N N N 2.403 2 GH 6.682 dBI
RL RF RF<	- Swept SA 50 Ω AC 60000000 GHz I et 0.5 dB	SENS	E:PULSE	02MHz Ho alignauto Avg Type: Log	05: g-Pwr 0/1000	22:35 PM Mar 29, 20 TRACE 1 2 3 4 TYPECE 1 2 3 4 TYPE MWMMM DET P N N N 2.403 2 GH 6.682 dB
RL RF enter Freq 2.35 0 dB/div Ref Offs: 50 51 52 55 55 55 55 55 55 55 55 55 55 55	- Swept SA 50 Ω AC 60000000 GHz I et 0.5 dB	SENS	E:PULSE	02MHz Ho alignauto Avg Type: Log	05: g-Pwr 0/1000	22:35 PM Mar 29, 20 TRACE 1 2 3 4 TYPE 1 3 4 TYPE 1 2 3 4 TYPE 1 3
RL RF enter Freq 2.35 Ref Offse 0 dB/div Ref 14. 50 51 52 53 54 55 55 56 57 58 59 50 51 52 54 55 56 57 58 59 50 50 51 52 53 54	- Swept SA 50 Ω AC 6000000 GHz I et 0.5 dB 50 dBm	SENS	E:PULSE	02MHz Ho alignauto Avg Type: Log	05: 9/1000 Mkr1 2	22:35 PM Mar 29, 20 TRACE 12:3 4 TYPE MAXIMUM DEI P N NN 2.403 2 GH 6.682 dB -1387 a -1387 a
Ref Offse Ref Offse Control Ref Offse Ref Offse Ref Offse Control Ref Offse Contrefse <td>- Swept SA 50 Ω AC 6000000 GHz I et 0.5 dB 50 dBm</td> <td>PNO: Fast FGain:Low</td> <td>E:PULSE</td> <td>O2MHz Ho</td> <td>05: y1000 Mkr1 2 Sweep 9.600</td> <td>22:35 PM Mar 29, 20 TRACE 12:3 4 TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td>	- Swept SA 50 Ω AC 6000000 GHz I et 0.5 dB 50 dBm	PNO: Fast FGain:Low	E:PULSE	O2MHz Ho	05: y1000 Mkr1 2 Sweep 9.600	22:35 PM Mar 29, 20 TRACE 12:3 4 TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
RL RF RL RF enter Freq 2.35 Ref Offse B/div Ref 14. 60	- Swept SA 50 Q AC 6000000 GHz I et 0.5 dB 50 dBm 	SENS PNO: Fast FGain:Low #VBW	E:PULSE	02MHz Ho alignauto Avg Type: Log	05: y/1000 Mkr1 2 Sto	22:35 PM Mar 29, 20 TRACE 12:3 4 TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
RL RF RL RF enter Freq 2.35 dB/div Ref Offs: 60	- Swept SA 50 Ω AC 6000000 GHz 1 et 0.5 dB 50 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1		E:PULSE	O2MHz Ho	05: y1000 Mkr1 2 Sweep 9.600	22:35 PM Mar 29, 20 TRACE 12:3 4 TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
RL RF RL RF enter Freq 2.35 dB/div Ref Offs: 60	- Swept SA 50 Q AC 6000000 GHz I et 0.5 dB 50 dBm 		E:PULSE	O2MHz Ho	05: y1000 Mkr1 2 Sweep 9.600	22:35 PM Mar 29, 20 TRACE 12:3 4 TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
RL RF Rt RF enter Freq 2.35 Ref Offs. 0 dB/div Ref 14. 50	- Swept SA 50 Q AC 6000000 GHz I et 0.5 dB 50 dBm 		E:PULSE	O2MHz Ho	05: y1000 Mkr1 2 Sweep 9.600	22:35 PM Mar 29, 20 TRACE 12 3 4 TYPE 0 10 10 10 14 20 14 20
Itent Spectrum Analyzer RL RF Penter Freq 2.35 Ref Offso O dB/div Ref 14. 50 6.5 50 6.5 50 6.5 50 6.5 50 6.5 50 6.5 50 6.5 50 6.5 50 6.5 50 6.5 55 6.5 56 6.5 57 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 7 7 7 7 8 100 K 1 7 2 N <th1< td=""><td>- Swept SA 50 Q AC 6000000 GHz I et 0.5 dB 50 dBm </td><td></td><td>E:PULSE</td><td>O2MHz Ho</td><td>05: y1000 Mkr1 2 Sweep 9.600</td><td>22:35 PM Mar 29, 20 TRACE 12 3 4 TYPE 0 10 10 10 14 20 14 20</td></th1<>	- Swept SA 50 Q AC 6000000 GHz I et 0.5 dB 50 dBm 		E:PULSE	O2MHz Ho	05: y1000 Mkr1 2 Sweep 9.600	22:35 PM Mar 29, 20 TRACE 12 3 4 TYPE 0 10 10 10 14 20 14 20

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@atsapp.com



Page 85 of 100

Report No.: STS2303348W02

Band E	uge(i iop	·					
Agilent Spectrum Analyzer - Swep ເ <mark>XI</mark> RL RF 50 Ω	AC	SENS	E:PULSE	ALIGN AUTO		05:24:16	PM Mar 29, 2023
Center Freq 2.480000	PI	NO: Wide +	Trig: Free Run #Atten: 30 dB	Avg Type Avg Hold:	: Log-Pwr 3000/3000	TF ·	ACE 123456 TYPE MWWWWW DET PNNNNN
Ref Offset 0.5 c 10 dB/div Ref 20.00 dE					M	kr1 2.476 7.	152 GHz 013 dBm
Log							
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-20.0	·			<u>\</u>			
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-30.0				h			
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-50.0							
-60.0					Mmmm	mm	᠋᠊ᢦᡊᡊᠰᢑᡘᢦᡘᡐ
-70.0							
						_	
Center 2.480000 GHz #Res BW 100 kHz							8.000 MHz
NICO BA TOO RATE		#VBW	300 kHz		Swee	p 1.000 ms	: (1001 pts)
MSG				<b>I</b> STATUS		-	
Band Edge				-		-	
MSG Band Edge Agilent Spectrum Analyzer - Swep X RL RF 50 Ω	AC	g) NVNT		2480MHz H	Hopping	Emissi	ON PM Mar 29, 2023
MBG Band Edge Agilent Spectrum Analyzer - Swep	AC 0000 GHz P	g) NVNT	Г 1-DH5 2	2480MHz H	Hopping	Emissi 05:24:33	on
MSG Band Edge Agilent Spectrum Analyzer - Swep M RL RF 50 Q Center Freq 2.526000 Ref Offset 0.5 d	15A AC     10000 GHz IF 1B	g) NVNT	「 <b>1-DH5</b> 2 E:PULSE] Trig: Free Run	2480MHz H	Hopping : Log-Pwr 1000/1000	Emissi 05:24:33 TF Mkr1 2.4	ON PM Mar 29, 2023 ACE 1 2 3 4 5 6 TYPE M MANANA DET P N N N N 77 9 GHz
Agilent Spectrum Analyzer - Swep 20 RL RF S0 Q Center Freq 2.526000 Ref Offset 0.5 G Ref 20.00 dB	15A AC     10000 GHz IF 1B	g) NVNT	「 <b>1-DH5</b> 2 E:PULSE] Trig: Free Run	2480MHz H	Hopping : Log-Pwr 1000/1000	Emissi 05:24:33 TF Mkr1 2.4	PM Mar 29, 2023 ACE 1 2 3 4 5 6 IVPE MWWWW DET P N N N N N
Agilent Spectrum Analyzer - Swep M RL RF 50 Q Center Freq 2.526000 Ref Offset 0.5 c 10 dB/div Ref 20.00 dB	15A AC     10000 GHz IF 1B	g) NVNT	「 <b>1-DH5</b> 2 E:PULSE] Trig: Free Run	2480MHz H	Hopping : Log-Pwr 1000/1000	Emissi 05:24:33 TF Mkr1 2.4	ON PM Mar 29, 2023 ACE 1 2 3 4 5 6 TYPE M M M N N DET P N N N N 77 9 GHz
Agilent Spectrum Analyzer - Swep 20 RL RF SOQ Center Freq 2.526000 10 dB/div Ref Offset 0.5 d Ref 20.00 dB	15A AC     10000 GHz IF 1B	g) NVNT	「 <b>1-DH5</b> 2 E:PULSE] Trig: Free Run	2480MHz H	Hopping : Log-Pwr 1000/1000	Emissi 05:24:33 TF Mkr1 2.4	ON PM Mar 29, 2023 ACE 1 2 3 4 5 6 TYPE M M M N N DET P N N N N 77 9 GHz
Agilent Spectrum Analyzer - Swep 20 RL RF S0 Q Center Freq 2.526000 10 dB/div Ref Offset 0.5 d Ref 20.00 dB 10 dB/div	15A AC     10000 GHz IF 1B	g) NVNT	「 <b>1-DH5</b> 2 E:PULSE] Trig: Free Run	2480MHz H	Hopping : Log-Pwr 1000/1000	Emissi 05:24:33 TF Mkr1 2.4	ON PMMar 29, 2023 ACE 1 2 3 4 5 6 TYPE IM WWWWWW DET P NNNN 77 9 GHz 206 dBm
Agilent Spectrum Analyzer - Swep 20 RL RF 50 Q Center Freq 2.526000 10 dB/div Ref Offset 0.5 o Ref 20.00 dB 10 0 -20 0 -30 0 -40 0	15A AC     10000 GHz IF 1B	g) NVNT	「 <b>1-DH5</b> 2 E:PULSE] Trig: Free Run	2480MHz H	Hopping : Log-Pwr 1000/1000	Emissi 05:24:33 TF Mkr1 2.4	ON PMMar 29, 2023 ACE 1 2 3 4 5 6 TYPE IM WWWWWW DET P NNNN 77 9 GHz 206 dBm
MSG Band Edge Agitent Spectrum Analyzer - Swep Strain R Ref Offset 0.5 c Center Freq 2.526000	15A AC     10000 GHz IF 1B	g) NVNT	「 <b>1-DH5</b> 2 E:PULSE] Trig: Free Run	2480MHz H	Hopping : Log-Pwr 1000/1000	Emissi 05:24:33 TF Mkr1 2.4	ON PMMar 29, 2023 ACE 1 2 3 4 5 6 TYPE IM WWWWWW DOT P NN NN 77 9 GHz 206 dBm
Agilent Spectrum Analyzer - Swep 20 RL RF 50 Q Center Freq 2.526000 10 dB/div Ref Offset 0.5 o Ref 20.00 dB 10 0 -10 0 -20 0 -30 0 -40 0 -60 0 -70 0	15A AC     10000 GHz IF 1B	g) NVNT	「 <b>1-DH5</b> 2 E:PULSE] Trig: Free Run	2480MHz H	Hopping : Log-Pwr 1000/1000	Emissi 05:24:33 The second s	ON PM Mar 29, 2023 ACE 1 2 3 4 5 6 TYPE M WANNAW DET P N N N N 77 9 GHz 206 dBm -12.99 dBm -12.99 dBm -12.99 dBm -12.99 dBm
MSG Band Edge Agitent Spectrum Analyzer - Swep Strain R = S0 Q Center Freq 2.526000 Center Freq 2.526000 Center Gree 20.00 dB Code Code Code Code Code Code Code Code	15A AC     10000 GHz IF 1B	g) NVNT	「 <b>1-DH5</b> 2 E:PULSE] Trig: Free Run	2480MHz H	Hopping : Log-Pwr 1000/1000	Emissi 05:24:33 The second s	ON PMMar 29, 2023 ACE 1 2 3 4 5 6 VYPE IM WANNIN 77 9 GHz 206 dBm -12.99 dbm -12.99 dbm 57600 GHz
Ref         So Q           Agilent Spectrum Analyzer - Swep         So Q           QR RL<	2.477 9 GHz	g) NVNT	T 1-DH5 2	ALIGNAUTO AUGINAUTO Avg Type Avg Hold:	Hopping : Log-Pwr 1000/1000	Emissi	ON PMMar 29, 2023 ACE 1 2 3 4 5 6 VYPE IM WANNIN 77 9 GHz 206 dBm -12.99 dbm -12.99 dbm 57600 GHz
Agilent Spectrum Analyzer - Swep Agilent Spectrum Analyzer - Swep 20 RL RF 50 Q Center Freq 2.5260000 10 0 B/div Ref Offset 0.5 c Ref 20.00 dB -10.0 -10.0 -20.0 -30.0 -40.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0	SA           AC           AC           P           P           IF           JB           JB           JB           JB           JB           JB           JC           <	g) NVNT SENS NO: Fast Gain:Low #VBW 7.206 dl -59.665 dl -59.656 dl	T 1-DH5 2	ALIGNAUTO AUGINAUTO Avg Type Avg Hold:	Hopping : Log-Pwr 1000/1000	Emissi 05:24:33 TF Mkr1 2.4; 7.: 7.: 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	ON PMMar 29, 2023 ACE 1 2 3 4 5 6 VYPE IM WANNIN 77 9 GHz 206 dBm -12.99 dbm -12.99 dbm 57600 GHz
Agilent Spectrum Analyzer - Swep 28 RL RF 50 Q Center Freq 2.526000 Conter Freq 2.526000 Conter Freq 2.526000 Ref 20.00 dB 10 dB/div Ref 20.00 dB -10 0 -20 0 -30 0 -40 0 -40 0 -50 0 -50 0 -50 0 -70 0 Start 2.47600 GHz #Res BW 100 kHz Missi Model Free Sci 1 f 3 N 1 f 5 N 1 f	2.477 9 GHz	g) NVNT SENS NO: Fast →→ Gain:Low #VBW #VBW	T 1-DH5 2	ALIGNAUTO AUGINAUTO Avg Type Avg Hold:	Hopping : Log-Pwr 1000/1000	Emissi 05:24:33 TF Mkr1 2.4; 7.: 7.: 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	ON PMMar 29, 2023 ACE 1 2 3 4 5 6 VYPE IM WWWWWW OT P NNNN 77 9 GHz 206 dBm -12.99 dBm -12.99 dBm 57600 GHz
Agilent Spectrum Analyzer - Swep Agilent Spectrum Analyzer - Swep 20 RL RF 50 Q Center Freq 2.5260000 10 0 B/div Ref Offset 0.5 c Ref 20.00 dB 10 0	SA           AC           AC           P           P           IF           JB           JB           JB           JB           JB           JB           JC           <	g) NVNT SENS NO: Fast Gain:Low #VBW 7.206 dl -59.665 dl -59.656 dl	T 1-DH5 2	ALIGNAUTO AUGINAUTO Avg Type Avg Hold:	Hopping : Log-Pwr 1000/1000	Emissi 05:24:33 TF Mkr1 2.4; 7.: 7.: 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	ON PMMar 29, 2023 ACE 1 2 3 4 5 6 VYPE IM WWWWWW OT P NNNN 77 9 GHz 206 dBm -12.99 dBm -12.99 dBm 57600 GHz
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Band Edge (Honning) NI/NIT 1-DH5 2480MHz Honning Pof



Page 86 of 100

### Report No.: STS2303348W02

				ping) N	IVNT	2-DH	5 2402MH	z Hopp	ing Ref	
gilent Spec	ctrum Ana RF	a <mark>lyzer - Swept S</mark> / 50 Ω AC		9	ENSE:PULSE		ALIGN AUTO		05:27:2	1 PM Mar 29, 202
		2.4020000	00 GHz P	NO: Wide ↔ Gain:Low	🛶 Trig:F	Free Run 1: 30 dB	Avg Type Avg Hold:	: Log-Pwr 3000/3000		RACE 1 2 3 4 5 TYPE MWWWW DET P N N N N
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				g) NVI	NT 2-	DH5 2	Kostatus 402MHz H	lopping	Emiss	ion
<mark>jilent Spe</mark> c	ctrum Ana RF	a <mark>lyzer - Swept S</mark> 50 Ω AC	A :		NT 2-	DH5 2	402MHz H		05:27:3	8 PM Mar 29, 202
<mark>jilent Spe</mark> c	ctrum Ana RF	alyzer - Swept S/	00 GHz		EENSE:PULSE	DH5 2	402MHz H	: Log-Pwr	05:27:3	8 PM Mar 29, 202 RACE 1 2 3 4 5 TYPE MWWW DET P N N N N
<mark>ilent Spec RL enter</mark> 0 dB/div	Ctrum Ana RF Freq 2 Ref	a <mark>lyzer - Swept S</mark> 50 Ω AC	A 00 GHz F IF	PNO: Fast ↔	EENSE:PULSE	ree Run	402MHz H ALIGNAUTO Avg Type	: Log-Pwr	05:27:3 Mkr1 2.4	8 PM Mar 29, 202 RACE 1 2 3 4 5 TYPE M WWWW DET P N N N 05 1 GH
rilent Spec RL enter	Ctrum Ana RF Freq 2 Ref	alyzer - Swept S/ 50 Ω AC 2.35600000 Offset 0.5 dB	A 00 GHz F IF	PNO: Fast ↔	EENSE:PULSE	ree Run	402MHz H ALIGNAUTO Avg Type	: Log-Pwr	05:27:3 Mkr1 2.4	8 PM Mar 29, 202 RACE 1 2 3 4 5 TYPE M WWWW DET P N N N 05 1 GH
rilent Spec RL enter 0 dB/div 9 10.0	Ctrum Ana RF Freq 2 Ref	alyzer - Swept S/ 50 Ω AC 2.35600000 Offset 0.5 dB	A 00 GHz F IF	PNO: Fast ↔	EENSE:PULSE	ree Run	402MHz H ALIGNAUTO Avg Type	: Log-Pwr	05:27:3 Mkr1 2.4	8 PM Mar 29, 202 RACE 1 2 3 4 5 TYPE M WWWW DET P N N N 05 1 GH
<b>cilent Spec</b> RL <b>enter</b> 0 dB/div 0 0 10.0	Ctrum Ana RF Freq 2 Ref	alyzer - Swept S/ 50 Ω AC 2.35600000 Offset 0.5 dB	A 00 GHz F IF	PNO: Fast ↔	EENSE:PULSE	ree Run	402MHz H ALIGNAUTO Avg Type	: Log-Pwr	05:27:3 Mkr1 2.4	ВРМ Маг 29, 202 ГАСЕ    2 3 4 5 ТУРЕ Министри ост // NNNN 633 dBr
gilent Spec           RL           enter           0 dB/div           9 9           10.0           0.00           20.0	Ctrum Ana RF Freq 2 Ref	alyzer - Swept S/ 50 Ω AC 2.35600000 Offset 0.5 dB	A 00 GHz F IF	PNO: Fast ↔	EENSE:PULSE	ree Run	402MHz H ALIGNAUTO Avg Type	: Log-Pwr	05:27:3 Mkr1 2.4	ВРМ Маг 29, 202 ГАСЕ    2 3 4 5 ТУРЕ Министри ост // NNNN 633 dBr
gilent Spec           RL           enter           0 dB/div           9 g           10.0           0.00           20.0           20.0	Ctrum Ana RF Freq 2 Ref	alyzer - Swept S/ 50 Ω AC 2.35600000 Offset 0.5 dB	A 00 GHz F IF	PNO: Fast ↔	EENSE:PULSE	ree Run	402MHz H ALIGNAUTO Avg Type	: Log-Pwr	05:27:3 Mkr1 2.4	ВРМ Маг 29, 202 ГАСЕ    2 3 4 5 ТУРЕ МУЖИМ БСТ Р NNNN 05 1 GH: 633 dBn
rilent Spec RL enter 0 dB/div 0 0 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Ctrum Ana RF Freq 2 Ref	alyzer - Swept S/ 50 Ω AC 2.35600000 Offset 0.5 dB	A 00 GHz F IF	PNO: Fast ↔	EENSE:PULSE	ree Run	402MHz H ALIGNAUTO Avg Type	: Log-Pwr	05:27:3 Mkr1 2.4	ВРМ Маг 29, 202 ГАСЕ    2 3 4 5 ТУРЕ Министри ост // NNNN 633 dBr
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gilent Spec           RL           enter           0         dB/div           10.0	Ctrum Ana RF Freq 2 Ref	alyzer - Swept S/ 50 Ω AC 2.35600000 Offset 0.5 dB	A 00 GHz F IF	PNO: Fast ↔	EENSE:PULSE	ree Run	402MHz H ALIGNAUTO Avg Type	: Log-Pwr	05:27:3 Mkr1 2.4	ВРМ Маг 29, 202 ГАСЕ    2 3 4 5 ТУРЕ МУЖИМ БСТ Р NNNN 05 1 GH: 633 dBn
gilent Spec           RL           eenter           0         dB/div           0         dB/div           0         d0	Ref	Alyzer - Swept S/ 50 & AC 2.35600000 Offset 0.5 dB 7 20.00 dBn	A 00 GHz F IF	PNO: Fast ↔	EENSE:PULSE	ree Run	402MHz H ALIGNAUTO Avg Type	: Log-Pwr	05:27:3 Mkr1 2.4 6	BPMMar 29, 202 PRACE 12 3 4 5 TYPE MWWWW DET/P NNNN 05 1 GH: 633 dBn 109 dP 109 dP
gilent Spec	Ctrum Ana RF Freq 2 Ref Ref 30600 0	Alyzer - Swept S/ 50 Ω AC 2.35600000 Offset 0.5 dB ⁵ 20.00 dBn	A 00 GHz F IF	Sain:Low	EENSE:PULSE	iree Run : 30 dB	402MHz H ALIGNAUTO Avg Type	: Log-Pwr 1000/1000	05:27:3 Mkr1 2.4 6	BPMMar 29, 202 RACE 1 2 3 4 5 TYPE IM WWWW DET IP NNNN 05 1 GH: 633 dBn 109 40 109 40 409 40 400 00 GH
	Ctrum Ana RF Freq 2 Ref Ref 30600 ( W 100 )	Alyzer - Swept S/ 50 0 Ac 2.35600000 Offset 0.5 dB 7 20.00 dBn 20.00 dBn 4 GHz KHz	A 00 GHz F F F F F F F F F F F F F	YNC: Fast → Gain:Low #VI	ENSE:PULSE Trig: F #Atter	ree Run : 30 dB	402MHz H ALIGNAUTO Avg Type	: Log-Pwr 1000/1000	05:27:3 Mkr1 2.4 6 3 5 5 5 5 5 5 5 5 5 5 7	BPMMar 29, 202 RACE 1 2 3 4 5 TYPE IM WANNY DET P NNNN 05 1 GH: 633 dBn 109 dB 109 dB 100 dB 100 dB 100 dB 100 dB 100 dB 100 dB 100 dB
Glient Spec           RL           enter           0 dB/div	Ctrum Ana RF Freq 2 Ref Ref 30600 4 M 100	Alyzer - Swept S/ 50 0 Ac 2.35600000 Offset 0.5 dB 7 20.00 dBn 20.00 dBn 4 GHz KHz	A 00 GHz F F F F F 2.405 1 GHz 2.405 1 GHz 2.400 0 GHz	#VV:Fast Gain:Low #VV	EVSE:PULSE Trig: F #Atter	ree Run : 30 dB	402MHz H	: Log-Pwr 1000/1000	05:27:3 Mkr1 2.4 6 3 5 5 5 5 5 5 5 5 5 5 7 9 9.600 m	BPMMar 29, 202 RACE 12345 TYPE MWWWW DET PNNN 051GH 633 dBn 40948 40948 40948 40600 GH
Gilent Spec           RL           enter           0 dB/div           10.0           10.0           20.0           30.0           40.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           51.0           52.0           53.0           54.0           55.0           56.0           57.0           58.0           59.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0	Ctrum Ana RF Freq 2 Ref Ref 30600 ( W 100 )	Alyzer - Swept S/ 50 0 Ac 2.35600000 Offset 0.5 dB 7 20.00 dBn 20.00 dBn 4 GHz KHz	A 00 GHz F F F F 2.405 1 GHz	#VU: Fast Gain:Low #VV ¥V	SENSE:PULSE Trig: F #Atter	ree Run : 30 dB	402MHz H	: Log-Pwr 1000/1000	05:27:3 Mkr1 2.4 6 3 5 5 5 5 5 5 5 5 5 5 7 9 9.600 m	BPMMar 29, 202 RACE 12345 TYPE MWWWW DET PNNN 051GH 633 dBn 40948 40948 40948 40600 GH
Gilent Spec           RL           eenter           0 dB/div           10.0           10.0           20.0           30.0           40.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           51.0           52.0           53.0           54.0           55.0           56.0           57.0           58.0           59.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.0           50.	Ctrum Ana RF Freq 2 Ref Ref 306000 W 100	Alyzer - Swept S/ 50 0 Ac 2.35600000 Offset 0.5 dB 7 20.00 dBn 20.00 dBn 4 GHz KHz	00 GHz F IF 0 0 2.405 1 GHz 2.400 0 GHz 2.390 0 GHz	#VU: Fast Gain:Low #VV ¥V	ENSE:PULSE Trig: F #Atter #Atter BW 300   3 dBm 0 dBm 8 dBm	ree Run : 30 dB	402MHz H	: Log-Pwr 1000/1000	05:27:3 Mkr1 2.4 6 3 5 5 5 5 5 5 5 5 5 5 7 9 9.600 m	BPMMar 29, 202 RACE 12345 TYPE MWWWW DET PNNN 051GH 633 dBn 40948 40948 40948 40600 GH
Glient Spec           RL           enter           0 dB/div	Ctrum Ana RF Freq 2 Ref Ref 306000 W 100	Alyzer - Swept S/ 50 0 Ac 2.35600000 Offset 0.5 dB 7 20.00 dBn 20.00 dBn 4 GHz KHz	00 GHz F IF 0 0 2.405 1 GHz 2.400 0 GHz 2.390 0 GHz	#VU: Fast Gain:Low #VV ¥V	ENSE:PULSE Trig: F #Atter #Atter BW 300   3 dBm 0 dBm 8 dBm	ree Run : 30 dB	402MHz H	: Log-Pwr 1000/1000	05:27:3 Mkr1 2.4 6 3 5 5 5 5 5 5 5 5 5 5 7 9 9.600 m	BPMMar 29, 202 RACE 12345 TYPE MINIMUM DET P NNNN 051 GH 633 dBr 1099 dE 1099 dE
Genter           0         dB/div	Ctrum Ana RF Freq 2 Ref Ref 306000 W 100	Alyzer - Swept S/ 50 0 Ac 2.35600000 Offset 0.5 dB 7 20.00 dBn 20.00 dBn 4 GHz KHz	00 GHz F IF 0 0 2.405 1 GHz 2.400 0 GHz 2.390 0 GHz	#VU: Fast Gain:Low #VV ¥V	ENSE:PULSE Trig: F #Atter #Atter BW 300   3 dBm 0 dBm 8 dBm	ree Run : 30 dB	402MHz H	: Log-Pwr 1000/1000	05:27:3 Mkr1 2.4 6 3 5 5 5 5 5 5 5 5 5 5 7 9 9.600 m	BPMMar 29, 202 RACE 12345 TYPE MWWWW DET PNNN 051GH 633 dBn 40948 40948 40948 40600 GH
ilent Spec RL RL 0 dE/div 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ctrum Ana RF Freq 2 Ref Ref 306000 W 100	Alyzer - Swept S/ 50 0 Ac 2.35600000 Offset 0.5 dB 7 20.00 dBn 20.00 dBn 4 GHz KHz	00 GHz F IF 0 0 2.405 1 GHz 2.400 0 GHz 2.390 0 GHz	#VU: Fast Gain:Low #VV ¥V	ENSE:PULSE Trig: F #Atter #Atter BW 300   3 dBm 0 dBm 8 dBm	ree Run : 30 dB	402MHz H	: Log-Pwr 1000/1000	05:27:3 Mkr1 2.4 6 3 5 5 5 5 5 5 5 5 5 5 7 9 9.600 m	BPMMar 29, 202 RACE 12345 TYPE MWWWW DET PNNN 051GH 633 dBn 40948 40948 40948 40600 GH



Page 87 of 100

#### Report No.: STS2303348W02

		ping) in v	NT 2-DH	5 2480MH	г поррі	ng Ref
Agilent Spectrum Analyzer - Swept	AC	SENSE	PULSE	ALIGNAUTO	Les Dum	05:29:19 PM Mar 29, 2023
Center Freq 2.480000	P		Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold: 3	Log-Pwr 000/3000	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N
Ref Offset 0.5 d 10 dB/div Ref 20.00 dB					MI	r1 2.476 008 GHz 7.806 dBm
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-70.0						
Center 2.480000 GHz						Span 8.000 MHz
#Res BW 100 kHz		#VBW	300 kHz	-1	Sweep	5 1.000 ms (1001 pts)
MSG						
Band Eda	/Honnin		2-DH5 2		lopping	Emission
Agilent Spectrum Analyzer - Swept	t SA	g) NVNT	2-DH5 2	480MHz H	lopping	Emission
	AC 000 GHz	SENSE	:PULSE	480MHz H Alignauto Avg Type:	Log-Pwr	05:29:36 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE M WWWWW
Agilent Spectrum Analyzer - Swept 24 RL RF 50 Ω Center Freq 2.526000	ESA AC     000 GHz P IF	SENSE		480MHz H	Log-Pwr 000/1000	05:29:36 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N
Aglient Spectrum Analyzer - Swept Q RL RF 50 Ω Center Freq 2.526000 Ref Offset 0.5 c 10 dB/div Ref 20.00 dE	AC     OOO GHz   IF	SENSE NO: Fast ↔	:PULSE	480MHz H Alignauto Avg Type:	Log-Pwr 000/1000	05:29:36 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE M WWWWW
Aglient Spectrum Analyzer - Swept R R F 50 Ω Center Freq 2.526000 Ref Offset 0.5 d 10 dB/div Ref 20.00 dE 10 dB/div Ref 20.00 dE	AC     OOO GHz   IF	SENSE NO: Fast ↔	:PULSE	480MHz H Alignauto Avg Type:	Log-Pwr 000/1000	05:29:36 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N Mkr1 2.476 9 GHz
Aglient Spectrum Analyzer - Swept 24 RL RF 50 Ω Center Freq 2.526000 Ref Offset 0.5 c 10 dB/div Ref 20.00 dE	AC     OOO GHz   IF	SENSE NO: Fast ↔	:PULSE	480MHz H Alignauto Avg Type:	Log-Pwr 000/1000	05:29:36 PM Mar 29, 2023 TRACE 1 2:3 4 5 6 TYPE MWWWWW DET P N N N N Mkr1 2.476 9 GHz
Agilent Spectrum Analyzer - Swept           R         RF         50 Ω           Center Freq 2.526000         Second	AC     OOO GHz   IF	SENSE NO: Fast ↔	:PULSE	480MHz H Alignauto Avg Type:	Log-Pwr 000/1000	05:29:36 PM Mar 29, 2023 TRACE [] 2:3 4 5 6 TYPE [M WWWWW DET P NNNN Mkr1 2.476 9 GHz 6.671 dBm
Aglient Spectrum Analyzer - Swept R R F 50 Ω Center Freq 2.526000 Ref Offset 0.5 c 10 dB/div Ref 20.00 dE 10 0 10 0 -10 0 -20 0 -30 0 -40 0	AC     OOO GHz   IF	SENSE NO: Fast ↔	:PULSE	480MHz H Alignauto Avg Type:	Log-Pwr 000/1000	05:29:36 PM Mar 29, 2023 TRACE [] 2:3 4 5 6 TYPE [M WWWWW DET P NNNN Mkr1 2.476 9 GHz 6.671 dBm
Aglient Spectrum Analyzer - Swept R R F 50 Ω Center Freq 2.526000 Ref Offset 0.5 c 10 dB/div Ref 20.00 dE 10 0 10 0 -10 0 -20 0 -30 0	AC     OOO GHz   IF	SENSE NO: Fast ↔	:PULSE	480MHz H Alignauto Avg Type:	Log-Pwr 000/1000	05:29:36 PM Mar 29, 2023 TRACE [] 2:3 4 5 6 TYPE [MWWWWW DET [P NNNN Mkr1 2.476 9 GHz 6.671 dBm
Aglient Spectrum Analyzer - Swept R RL RF 50 Ω Center Freq 2.526000 Ref Offset 0.5 c 10 dB/div Ref 20.00 dE 10 0 10 0 -10 0 -20 0 -30 0 -40 0 -50 0 -50 0 -2 4	AC     OOO GHz   IF	SENSE NO: Fast ↔	:PULSE	480MHz H Alignauto Avg Type:	Log-Pwr 000/1000	05:29:36 PM Mar 29, 2023 TRACE 12:34 5 6 TYPE MWWWWW DET P NNNN Mkr1 2.476 9 GHz 6.671 dBm
Aglient Spectrum Analyzer - Swept R R F 50 Ω Center Freq 2.526000 Ref Offset 0.5 c 10 dB/div Ref 20.00 dE 10 0 10 0 -10 0 -20 0 -30 0 -30 0 -50 0 -60 0	ESA AC     0000 GHz IF	SENSE Sense Gain:Low	:PULSE	480MHz H Alignauto Avg Type:	Log-Pwr 000/1000	05:29:36 PM Mar 29, 2023 TRACE 12:23 4 5 6 TYPE MWWWW DEFIP NNNN Mkr1 2.476 9 GHz 6.671 dBm
Agilent Spectrum Analyzer - Swept           XI         RF         90 Ω           Center Freq 2.526000         Ref Offset 0.5 c         90 Ω           10 dB/div         Ref 20.00 dE         90 Ω           10 0         1         90 Ω         90 Ω           10 0         1         90 Ω         90 Ω         90 Ω           10 0         1         90 Ω         90 Ω         90 Ω         90 Ω           -10 0         1         90 Ω	SA       AC       0000 GHz       P       IB       3m	SENSE NO: Fast ↔ Gain:Low	PULSE	480MHz H Alignauto Avg Type:	Log-Pwr 000/1000	05:29:36 PM Mar 29, 2023 TRACE 23 4 5 6 TYPE MINIMUM DEI PININNN Mkr1 2.476 9 GHz 6.671 dBm 
Aglient Spectrum Analyzer - Swept 20 RL RF 50 Q Center Freq 2.526000 Ref Offset 0.5 c 10 dB/div Ref 20.00 dE 9 10 0 -0	SA           AC           AC           B           3m           2.476 9 GHz           2.476 9 GHz           2.476 0 GHz           2.500 0 GHz	SENSE Sense Gain:Low #VBW 6.671 dB -59.293 dB	PULSE Trig: Free Run #Atten: 30 dB		Log-Pwr 000/1000	05:29:36 PM Mar 29, 2023 TRACE 12:3 4 5 6 TYPE MUMMMW DET P NNN N Mkr1 2.476 9 GHz 6.671 dBm 
Agilent Spectrum Analyzer - Swept 20 RL RF 90 2 Center Freq 2.526000 Ref Offset 0.5 c 9 1 0 dB/div Ref 20.00 dE 9 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 -0	SA           AC           OOO GHz           P           IB           3m           Image: Same state sta	SENSE Sain:Low #VBW 6.671 dB 59.293 dB	PULSE Trig: Free Run #Atten: 30 dB		Log-Pwr 000/1000	05:29:36 PM Mar 29, 2023 TRACE 12:3 4 5 6 TYPE MUMMMW DET P NNN N Mkr1 2.476 9 GHz 6.671 dBm 
Agilent Spectrum Analyzer - Swept 20 RL RF 1002 Center Freq 2.526000 Ref Offset 0.5 c 9 Ref 20.00 dE 9 Re	SA           AC           AC           B           3m           2.476 9 GHz           2.476 9 GHz           2.476 0 GHz           2.500 0 GHz	SENSE Sense Gain:Low #VBW 6.671 dB -59.293 dB	PULSE Trig: Free Run #Atten: 30 dB		Log-Pwr 000/1000	05:29:36 PM Mar 29, 2023 TRACE 12:3 4 5 6 TYPE MUMMMW DET P NNN N Mkr1 2.476 9 GHz 6.671 dBm 
Aglient Spectrum Analyzer - Swept 20 RL RF 50 Q Center Freq 2.526000 Ref Offset 0.5 c 9 1 10 dB/div Ref 20.00 dE 9 1 10 0 9 1 10 0 10 0 9 1 10 0 10 0 9 1 10 0 10 0	SA           AC           AC           B           3m           2.476 9 GHz           2.476 9 GHz           2.476 0 GHz           2.500 0 GHz	SENSE Sense Gain:Low #VBW 6.671 dB -59.293 dB	PULSE Trig: Free Run #Atten: 30 dB		Log-Pwr 000/1000	05:29:36 PM Mar 29, 2023 TRACE 12:3 4 5 6 TYPE MUMMMW DET P NNN N Mkr1 2.476 9 GHz 6.671 dBm 

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Page 88 of 100

### Report No.: STS2303348W02

	Ba	and Ed	де(пор	ping) N	VNT 3-DH	5 2402MHz	Hopping	Ret
L <b>XI</b> RL	RF	lyzer - Swept SA 50 Ω AC		SEM	ISE:PULSE	ALIGNAUTO	_	05:32:45 PM Mar 29, 2023
Center	Freq 2	.4020000	Р	NO: Wide +	Trig: Free Run #Atten: 30 dB	Avg Type: Lo Avg Hold: 300	og-Pwr 00/3000	TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N
10 dB/div		Offset 0.5 dB 20.00 dBm	, ,				Mkr1 :	2.405 152 GHz 6.421 dBm
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0.00					North	M. M. W.	Namphy	Mr. Prode Vala
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-20.0								
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-40.0			(	jvr v v				
-50.0		- of	many					
-60.0 <b>M</b> M	mm	Mr.						
-70.0								
Center 2 #Res BV				#VB\	W 300 kHz		Sweep 1.	Span 8.000 MHz 000 ms (1001 pts)
MSG								
			11	- NIV/NI				
				g) NVN	T 3-DH5 2	402MHz Ho	opping En	nission
Agilent Spec	ctrum Ana RF	<mark>lyzer - Swept S/</mark> 50 Ω AC			T 3-DH5 2	402MHz Ho		05:33:02 PM Mar 29, 2023 TRACE 1 2 3 4 5 6
Agilent Spec	ctrum Ana RF	lyzer - Swept SA	00 GHz			402MHz Ho	>g-Pwr	
Agilent Spec X RL Center 10 dB/div	ctrum Ana RF Freq 2 Ref (	<mark>lyzer - Swept S/</mark> 50 Ω AC	DO GHz F	SEM PNO: Fast ↔	ISE:PULSE	AUGNAUTO ALIGNAUTO Avg Type: Lo	og-Pwr 00/1000	05:33:02 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE M WWWWW
Agilent Spec WRL Center	ctrum Ana RF Freq 2 Ref (	lyzer - Swept SA 50 Ω AC 35600000	DO GHz F	SEM PNO: Fast ↔	ISE:PULSE	AUGNAUTO ALIGNAUTO Avg Type: Lo	og-Pwr 00/1000	05:33:02 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N 1 2.405 0 GHz
Agilent Spec (X) RL Center Conter	ctrum Ana RF Freq 2 Ref (	lyzer - Swept SA 50 Ω AC 35600000	DO GHz F	SEM PNO: Fast ↔	ISE:PULSE	AUGNAUTO ALIGNAUTO Avg Type: Lo	og-Pwr 00/1000	05:33:02 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N 1 2.405 0 GHz
Agilent Spec (M RL Center 10 dB/div Log 10.0 -10.0 -20.0	ctrum Ana RF Freq 2 Ref (	lyzer - Swept SA 50 Ω AC 35600000	DO GHz F	SEM PNO: Fast ↔	ISE:PULSE	AUGNAUTO ALIGNAUTO Avg Type: Lo	og-Pwr 00/1000	05:33:02 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N 1 2.405 0 GHz
Agilent Spece 20 RL Center 1 10 dB/div Log 10.0 -0.0 -10.0 -20.0 -30.0 -40.0	ctrum Ana RF Freq 2 Ref (	lyzer - Swept SA 50 Ω AC 35600000	DO GHz F	SEM PNO: Fast ↔	ISE:PULSE	AUGNAUTO ALIGNAUTO Avg Type: Lo	og-Pwr 00/1000	05:33:02 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N 1 2.405 0 GHz
Agilent Speco 24 RL Center 10 dB/div 0 00 -10.0 -20.0 -30.0	ctrum Ana RF Freq 2 Ref (	lyzer - Swept SA 50 Ω AC 35600000	DO GHz F	SEM PNO: Fast ↔	ISE:PULSE	AUGNAUTO ALIGNAUTO Avg Type: Lo	og-Pwr 00/1000	05:33:02 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N 1 2.405 0 GHz
Aglient Spec 20 RL Center 1 10.0 -10.0 -20.0 -30.0 -40.0 -60.0 -70.0	Ctrum Ana RF Freq 2 Ref ( Ref	Ivzer Swept SA 50 Ω AC 35600000 Dffset 0.5 dB 20.00 dBm	DO GHz F	SEM PNO: Fast ↔	ISE:PULSE	AUGNAUTO ALIGNAUTO Avg Type: Lo	29-Pwr 30/1000 Mkr	05:33:02 PM Mar 29, 2023
Aglient Spec 20 RL Center 1 10.0 -10.0 -20.0 -40.0 -60.0 -60.0 Start 2.3 #Res BV	Ctrum Ana RF Freq 2 Ref Ref 30600 C	Ivzer         Swept SA           50 R         AC           .355600000         Dffset 0.5 dB           20.00 dBm         AC	DO GHz F	SEP	ISE:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO AUGNAUTO Avg Type: Lc AvgHold: 100	A Sweep 9.6	05:33:02 PM Mar 29, 2023 IFACE 12 3 4 5 6 TYPE M Mar 29, 2023 TYPE M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE M Mar 29, 2023 TALE STOCK TALE STOCK TALE STOCK TALE STOCK TALE STOCK TYPE M MAR 20, 2023 TYPE M M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE M M
Agilent Spec (2) RL Center 10 dB/div og 10.0 -00 -10.0 -20.0 -10.0 -20.0 -20.0 -20.0 -30.0 -40.0 -20.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0	Ctrum Ana RF Freq 2 Ref Ref 30600 C M 100 C	Ivzer         Swept SA           50 R         AC           .355600000         Dffset 0.5 dB           20.00 dBm         AC	2.405 0 GHz	SEP NO: Fast Gain:Low #VBI	ISE:PULSE Trig: Free Run #Atten: 30 dB	AUGNAUTO ALIGNAUTO Avg Type: Lo	29-Pwr 30/1000 Mkr	05:33:02 PM Mar 29, 2023 IFACE 12 3 4 5 6 TYPE M Mar 29, 2023 TYPE M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE M Mar 29, 2023 TALE STOCK TALE STOCK TALE STOCK TALE STOCK TALE STOCK TYPE M MAR 20, 2023 TYPE M M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE M M
Aglient Spec (2) RL Center 10 dB/div 0 00 -10 0 -10 0 -20 0 -10 0 -20 0 -30 0 -40 0 -40 0 -50	Ctrum Ana RF Freq 2 Ref Ref 30600 ( Af 100 k	Ivzer         Swept SA           50 R         AC           .355600000         Dffset 0.5 dB           20.00 dBm         AC	00 GHz F	SEP NO: Fast → Gain:Low #VB	AV 300 KHz	ALIGNAUTO AUGNAUTO Avg Type: Lc AvgHold: 100	A Sweep 9.6	05:33:02 PM Mar 29, 2023 IFACE 12 3 4 5 6 TYPE M Mar 29, 2023 TYPE M MAR 20, 2023 TYPE M M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE
Agilent Spec (y) RL Center 10 dB/div Og 10.0 -00 -10.0 -00 -00 -00 -00 -00 -00 -00 -00 -00	Ctrum Ana RF Freq 2 Ref 0 Ref 30600 C Af 100 H TRC SCL 1 f 1 f	Ivzer         Swept SA           50 R         AC           .355600000         Dffset 0.5 dB           20.00 dBm         AC	00 GHz	SEP NO: Fast → Gain:Low #VB1 4.986 48.710 59.346	AV 300 KHz	ALIGNAUTO AUGNAUTO Avg Type: Lc AvgHold: 100	A Sweep 9.6	05:33:02 PM Mar 29, 2023 IFACE 12 3 4 5 6 TYPE M Mar 29, 2023 TYPE M MAR 20, 2023 TYPE M M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE
Aglient Spec (2) RL Center 10 dB/div 0 00 -10 0 -10 0 -20 0 -10 0 -20 0 -30 0 -40 0 -40 0 -50	Ctrum Ana RF Freq 2 Ref 0 Ref 30600 C Af 100 H TRC SCL 1 f 1 f	Ivzer         Swept SA           50 R         AC           .355600000         Dffset 0.5 dB           20.00 dBm         AC	00 GHz	SEP NO: Fast → Gain:Low #VB1 4.986 48.710 59.346	AV 300 KHz	ALIGNAUTO AUGNAUTO Avg Type: Lc AvgHold: 100	A Sweep 9.6	05:33:02 PM Mar 29, 2023 IFACE 12 3 4 5 6 TYPE M Mar 29, 2023 TYPE M MAR 20, 2023 TYPE M M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE
Aglient Spec (2) RL Center 10 dB/div Log 10.0 -10.0 -20.0 -30.0 -40.0 -20.0 -40.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0	Ctrum Ana RF Freq 2 Ref 0 Ref 30600 C Af 100 H TRC SCL 1 f 1 f	Ivzer         Swept SA           50 R         AC           .355600000         Dffset 0.5 dB           20.00 dBm         AC	00 GHz	SEP NO: Fast → Gain:Low #VB1 4.986 48.710 59.346	AV 300 KHz	ALIGNAUTO AUGNAUTO Avg Type: Lc AvgHold: 100	A Sweep 9.6	05:33:02 PM Mar 29, 2023 IFACE 12 3 4 5 6 TYPE M Mar 29, 2023 TYPE M MAR 20, 2023 TYPE M M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE M MAR 20, 2023 TYPE

Band Edge (Honning) NI/NIT 3-DH5 2402MHz Honning Pof

Shenzhen STS Test Services Co., Ltd.

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Page 89 of 100

#### Report No.: STS2303348W02

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Agilent Spectrum Analyzer - Swe <mark>XI</mark> RL RF 50 Ω		SENS	E:PULSE	ALIGNAUTO		05:34:42 PM Mar 29, 2023
Center Freq 2.48000	Р	NO: Wide ↔ Gain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold:3	Log-Pwr 3000/3000	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N
Ref Offset 0.5 10 dB/div Ref 20.00 c					Mk	r1 2.476 008 GHz 7.550 dBm
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-70.0						
Center 2.480000 GHz #Res BW 100 kHz		#VBW	/ 300 kHz		Sweep	Span 8.000 MHz 1.000 ms (1001 pts)
NSG				🕼 STATUS		
		g) NVN	Г 3-DH5 2	480MHz H	lopping	Emission
Agilent Spectrum Analyzer - Swe XI RL RF 50 Ω	e <b>pt SA</b> AC		T 3-DH5 2	ALIGNAUTO		05:35:00 PM Mar 29, 2023
Agilent Spectrum Analyzer - Swe	ept SA AC     00000 GHz F				Log-Pwr	
Agilent Spectrum Analyzer - Swa RL RF 50 Ω Center Freq 2.52600 Ref Offset 0.f 10 dB/div Ref 20.00 0	AC DOOOO GHZ F IF 5 dB	SENS PNO: Fast ↔→	E:PULSE	ALIGNAUTO Avg Type:	Log-Pwr 1000/1000	05:35:00 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWWW
Agilent Spectrum Analyzer - Swa RL RF 50 Ω Center Freq 2.52600 Ref Offset 0.6	AC DOOOO GHZ F IF 5 dB	SENS PNO: Fast ↔→	E:PULSE	ALIGNAUTO Avg Type:	Log-Pwr 1000/1000	05:35:00 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N Akr1 2.479 1 GHz
Agilent Spectrum Analyzer - Swa RL RF 50 Q Center Freq 2.52600 Ref Offset 0.5 10 dB/div Ref 20.00 c	AC DOOOO GHZ F IF 5 dB	SENS PNO: Fast ↔→	E:PULSE	ALIGNAUTO Avg Type:	Log-Pwr 1000/1000	05:35:00 PM Mar 29, 2023 TRACE   2 3 4 5 TYPE   M WWWW DET   P N N N N Akr1 2.479 1 GHz 4.933 dBm
Agilent Spectrum Analyzer - Swa RL RF 50 Q Center Freq 2.52600 Ref Offset 0.5 10 dB/div Ref 20.00 c	AC DOOOO GHZ F IF 5 dB	SENS PNO: Fast ↔→	E:PULSE	ALIGNAUTO Avg Type:	Log-Pwr 1000/1000	05:35:00 PM Mar 29, 2023 TRACE 1 2 3 4 5 ( TYPE MWWWWW DET P N N N N Akr1 2.479 1 GHz
Apilent Spectrum Analyzer – Swa R RL RF 50 Q Center Freq 2.52600 Ref Offset 0.6 10 dB/div Ref 20.00 d 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 1	AC DOOOO GHZ F IF 5 dB	SENS PNO: Fast ↔→	E:PULSE	ALIGNAUTO Avg Type:	Log-Pwr 1000/1000	05:35:00 PM Mar 29, 2023 TRACE    2 3 4 5 6 TYPE    W WWWW DET  P N N N N Akr1 2.479 1 GHz 4.933 dBm
Apilent Spectrum Analyzer – Swa R RL RF 50 Q Center Freq 2.52600 10 dB/div Ref 20.00 c 10 0 10 0	AC DOOOO GHZ F IF 5 dB	SENS PNO: Fast ↔→	E:PULSE	ALIGNAUTO Avg Type:	Log-Pwr 1000/1000	05:35:00 PM Mar 29, 2023 TRACE    2 3 4 5 6 TYPE    W WWWW DET  P N N N N Akr1 2.479 1 GHz 4.933 dBm
Apilent Spectrum Analyzer – Swa R RL RF 50 Q Center Freq 2.52600 10 dB/div Ref 20.00 c 10.0 1 10.0 1 10.	AC DOOOO GHZ F IF 5 dB	SENS PNO: Fast ↔→	E:PULSE	ALIGNAUTO Avg Type:	Log-Pwr 1000/1000	05:35:00 PM Mar 29, 2023 TRACE [1 2 3 4 5 6 TYPE [M WWWW DET P N N N N Akr1 2.479 1 GHz 4.933 dBm
Agilent Spectrum Analyzer – Swa R RL RF 50 Q Center Freq 2.52600 10 dB/div Ref 20.00 c 10.0 1 10.0 1 10.	AC DOOOO GHZ F IF 5 dB	SENS PNO: Fast ↔→	E:PULSE	ALIGNAUTO Avg Type:	Log-Pwr 1000/1000	05:35:00 PM Mar 29, 2023 TRACE    2 3 4 5 6 TYPE    W WWWW DET  P N N N N Akr1 2.479 1 GHz 4.933 dBm
Agilent Spectrum Analyzer – Swa R RL RF 50 Q Center Freq 2.52600 10 dB/div Ref 20.00 d 10 0 10 0	AC DODOO GHZ F IF 5 dB	SENS SENSLOW	E:PULSE	ALIGNAUTO Avg Type:	Log-Pwr 1000/1000	05:35:00 PM Mar 29, 2023 TRACE [1 2 3 4 5 c TYPE [M NUNN DET  P NNNN Akr1 2.479 1 GHz 4.933 dBm 12.45 dBm 12.45 dBm 5top 2.57600 GHz
Agilent Spectrum Analyzer _ Swa R RL RF 50 Q Center Freq 2.52600 10 dB/div Ref 20.00 d 10 d 10 dB/div Ref 20.00 d 10 d	20000 GHz P F S dB dBm 3 4 3 4 3 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5	SENS NO: Fast Gain:Low #VBW	EPULSE	ALIGNAUTO Avg Type:	Log-Pwr 1000/1000	05:35:00 PM Mar 29, 2023 TRACE [1 2 3 4 5 6 TYPE [M WWWW DET P N N N N Akr1 2.479 1 GHz 4.933 dBm
Aglient Spectrum Analyzer Swa R L RF 50 2 Center Freq 2.52600 Ref Offset 0.6 10 dB/div Ref 20.00 c 10 dB/div	2.479 1 GHz 2.400 GHz	SENS SENS SNO: Fast →→ Gain:Low #VBW 4.933 d -52.886 d -59.544 d	E:PULSE Trig: Free Run #Atten: 30 dB		Log-Pwr 1000/1000	05:35:00 PM Mar 29, 2023 TRACE [] 2 3 4 5 6 TYPE [M WINNI DET]P NNNN Akr1 2.479 1 GHz 4.933 dBm 
Agilent Spectrum Analyzer         Swa           RL         RF         50 Q           Center Freq 2.52600         State           10.0         Ref Offset 0.6           10.0         Ref 20.00 C           20.0         Ref 2	2.479 1 GHz 2.483 5 GHz	SENS SENS SNO: Fast →→ Gain:Low #VBW 4.933 d -52.886 d -59.544 d	E:PULSE Trig: Free Run #Atten: 30 dB		Log-Pwr 1000/1000	05:35:00 PM Mar 29, 2023 TRACE 1 2 3 + 5 r TYPE [M WINN M DET P NN NM Akr1 2.479 1 GHz 4.933 dBm 
Agilent Spectrum Analyzer         Swe           RL         RF         50 2           Center Freq 2.52600         Secondary         Secondary           10 dB/div         Ref Offset 0.6         Secondary           10 dB/div         Ref 20.00 c         Secondary	2.479 1 GHz 2.400 GHz	SENS SENS SNO: Fast →→ Gain:Low #VBW 4.933 d -52.886 d -59.544 d	E:PULSE Trig: Free Run #Atten: 30 dB		Log-Pwr 1000/1000	05:35:00 PM Mar 29, 2023 TRACE 1 2 3 + 5 r TYPE [M WINN M DET P NN NM Akr1 2.479 1 GHz 4.933 dBm 
Agilent Spectrum Analyzer         Swe           R L         RF         50 2           Center Freq 2.52600         Secondary           Ref Offset 0.6         Ref 20.00 c           10 dB/div         Ref 20.00 c           30 dB/div         Ref 20.00 c           -00 dB/div         Ref 20.00 c           -20 dB/div         Ref 20.00 c           -30 dB/div	2.479 1 GHz 2.400 GHz	SENS SENS SNO: Fast →→ Gain:Low #VBW 4.933 d -52.886 d -59.544 d	E:PULSE Trig: Free Run #Atten: 30 dB		Log-Pwr 1000/1000	05:35:00 PM Mar 29, 2023 TRACE 1 2 3 + 5 r TYPE [M WINN M DET P NN NM Akr1 2.479 1 GHz 4.933 dBm 
splent Spectrum Analyzer Swith           RL         RF         50 g           Center Freq 2.52600           Ref Offset 0.6           Offset 0.	2.479 1 GHz 2.400 GHz	SENS SENS SNO: Fast →→ Gain:Low #VBW 4.933 d -52.886 d -59.544 d	E:PULSE Trig: Free Run #Atten: 30 dB		Log-Pwr 1000/1000	05:35:00 PM Mar 29, 2023 TRACE [] 2 3 4 5 6 TYPE [M WINNI DET]P NNNN Akr1 2.479 1 GHz 4.933 dBm 

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Page 90 of 100 Report No.: STS2303348W02

# 9. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	-53.07	<=-20	Pass
NVNT	1-DH5	2441	-53	<=-20	Pass
NVNT	1-DH5	2480	-53.57	<=-20	Pass
NVNT	2-DH5	2402	-52.8	<=-20	Pass
NVNT	2-DH5	2441	-53.23	<=-20	Pass
NVNT	2-DH5	2480	-52.57	<=-20	Pass
NVNT	3-DH5	2402	-52.73	<=-20	Pass
NVNT	3-DH5	2441	-54	<=-20	Pass
NVNT	3-DH5	2480	-53.15	<=-20	Pass



Shenzhen STS Test Services Co., Ltd.



Page 91 of 100

### Report No.: STS2303348W02

ilent Spectrum Analyze R L RF	er - Swept SA 50 Ω AC	SENSE	:PULSE	ALIGNAUTO		04:49:01 PM Mar 29, 202
enter Freq 2.4		PNO: Wide 🔸	Trig: Free Run Atten: 30 dB	Avg Type: Lo Avg Hold: 100	g-Pwr /100	TRACE 12345 TYPE MWWWW DET PNNNN
	set 0.5 dB ).00 dBm				Mkr1 2	.401 853 0 GH 6.367 dBr
pg						
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0.0	- All -					North Contraction of the second of the secon
and when the						ليرسك
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0.0						
0.0						
0.0						
0.0						
enter 2.402000						Span 1.500 MH
CHICH 2.4020000						
Res BW 100 kH	Z	#VBW	300 kHz		Sweep 1	.000 ms (1001 pts
Res BW 100 kH				STATUS	•	.000 ms (1001 pts
G	Tx. Spuric			to2MHz En	•	.000 ms (1001 pts
G ilent Spectrum Analyze R L RF	Tx. Spuric er - Swept SA 50 Ω AC	ous NVNT		402MHz En	nission	04:49:39 PM Mar 29, 202
G ilent Spectrum Analyze R L RF	Tx. Spuric = Swept SA == - S0 & AC ==		「1-DH5 24	102MHz En	nission	04:49:39 PM Mar 29, 202 TRACE 1 2 3 4 5 TYPE M Mar 29, 202
G ilent Spectrum Analyzz RL RF enter Freq 13.	Tx. Spuric = Swept SA == - S0 & AC ==	DUS NVN	T 1-DH5 24	ALIGNAUTO Avg Type: Lo	nission ^{g-Pwr}	04:49:39 PM Mar 29, 202 TRACE 1 2 3 4 5 TYPE M WWWW DET P N N N N Kr1 2.401 7 GH
G RL RF enter Freq 13. QB/div Ref Off 0 dB/div Ref 20 0 dB/div Ref 20	Tx. Spuric er - Swept SA  50 α AC   265000000 GHz		T 1-DH5 24	ALIGNAUTO Avg Type: Lo	nission ^{g-Pwr}	04:49:39 PM Mar 29, 202 TRACE 1 2 3 4 5 TYPE M WWWW DET P N N N N Kr1 2.401 7 GH
G RL RF enter Freq 13. Odb/div Ref Off Odb/div Ref 20 Od A	Tx. Spuric 50 2 AC 265000000 GHz iset 0.5 dB		T 1-DH5 24	ALIGNAUTO Avg Type: Lo	nission ^{g-Pwr}	04:49:39 PM Mar 29, 202 TRACE 1 2 3 4 5 TYPE M WWWW DET P N N N N Kr1 2.401 7 GH
G RL RF enter Freq 13. QB/div Ref Off 0 dB/div Ref 20 0 dB/div Ref 20	Tx. Spuric 50 2 AC 265000000 GHz iset 0.5 dB		T 1-DH5 24	ALIGNAUTO Avg Type: Lo	nission ^{g-Pwr}	04:49:39 PM Mar 29, 202 TRACE 1 2 3 4 5 TYPE M WWWW DET P N N N N Kr1 2.401 7 GH
G RL RF RL RF enter Freq 13. Ref Off Od B/div Ref 20 Od 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Tx. Spuric 50 2 AC 265000000 GHz iset 0.5 dB		T 1-DH5 24	ALIGNAUTO Avg Type: Lo	nission ^{g-Pwr}	.000 ms (1001 pts 04:49:39 PM Mar 29, 202 TRACE 12:3 4.5 TYPE M WAWN DET P N N N N Cr1 2.401 7 GH: 5.957 dBn
G RL RF enter Freq 13.	Tx. Spuric 50 2 AC 265000000 GHz iset 0.5 dB		T 1-DH5 24	ALIGNAUTO Avg Type: Lo	nission ^{g-Pwr}	04:49:39 PM Mar 29, 202 TRACE 12 2 3 4 5 TYPE MWWWW DET P NNNN Kr1 2.401 7 GH:
G RL RF enter Freq 13. Ref Off OdB/div Ref 20 00 00 00 00 00 00 00 00 00	Tx. Spuric 50 2 AC 265000000 GHz iset 0.5 dB		T 1-DH5 24	ALIGNAUTO Avg Type: Lo	nission ^{g-Pwr}	04:49:39 PM Mar 29, 202 TRACE 12 2 3 4 5 TYPE MWWWW DET P NNNN Kr1 2.401 7 GH:
G RL RF enter Freq 13.	Tx. Spuric 50 2 AC 265000000 GHz iset 0.5 dB		T 1-DH5 24	ALIGNAUTO Avg Type: Lo	nission ^{g-Pwr}	04:49:39 PM Mar 29, 202 TRACE 12 2 3 4 5 TYPE MWWWW DET P NNNN Kr1 2.401 7 GH:
G         Sectrum Analyz           RL         RF           enter Freq 13.           0 dB/div         Ref Off           0 dB/div         Ref 2           0 g         1           0.0         1           0.0         1           0.0         1           0.0         1           0.0         1           0.0         1           0.0         1           0.0         1           0.0         1           0.0         1           0.0         1           0.0         1	Tx. Spuric 50 2 AC 265000000 GHz iset 0.5 dB		T 1-DH5 24	ALIGNAUTO Avg Type: Lo	nission ^{g-Pwr}	04:49:39 PM Mar 29, 202 TRACE 1 ≥ 3 4 5 TYPE IM WWWW cr1 2.401 7 GH 5.957 dBn
G RL RF enter Freq 13.	Tx. Spuric	PNO: Fast FGain:Low	T 1-DH5 24	ALIGNAUTO Avg Type: Lo	nission g-Pwr Mk	04:49:39 PM Mar 29, 202 TRACE 12 3 4 5 TYPE MWWWW 5:1 2.401 7 GH: 5.957 dBn -1383 48 -1383 48 -1485 48 -1485 48 -1485 48 -1485 48 -1485 48 -1485 48 -1485 48 -1485 48 -1385 48 -1385 48 -1485 48
G RL RF RL RF Comparison of the second se	Tx. Spuric	PNO: Fast FGain:Low	T 1-DH5 24	ALIGNAUTO ALIGNAUTO AvgIHold: 10/1	nission g-Pwr Mk	04:49:39 PM Mar 29, 202 TRACE 1 2 3 4 5 TYPE M WWWW DET P N N N N Kr1 2.401 7 GH
G RL RF enter Freq 13. C dB/div Ref Off C dB/div Ref 20 C dB/di Ref 20 C dB/div Ref 2	Tx. Spuric er - Swept SA 50 Ω AC 265000000 GHz 1 Set 0.5 dB 0.00 dBm 2 3 4 2.401 7 GHz 2.401 7 GHz 2.401 7 GHz 2.401 7 GHz 2.401 7 GHz 2.401 7 GHz 2.401 7 GHz	DUS NVNT           SENSE           PNO: Fast           FGain:Low           ✓           #VBW           ✓           5.957 dE           ✓           5.957 dE           ✓           ✓           ✓	T 1-DH5 24	ALIGNAUTO ALIGNAUTO AvgIHold: 10/1	nission g-Pwr Mk	04:49:39 PM Mar 29, 202 TRACE 11 2 3 4 5 Type Minimum 5.957 d Bn -13:83 48 -13:83 48 Stop 26:50 GH 2.530 s (30001 pts
G RL RF enter Freq 13. C dB/div Ref Off C dB/div Ref 20 C dB/di Ref 20 C dB/div Ref 2	Tx. Spuric er - Swept SA 50 2 AC 265000000 GHz set 0.5 dB 0.00 dBm 2.00 dBm	Dus NVN1           SENSE           PNO: Fast           FGain:Low           #VBW           \$957 db           46,707 db           5,957 db           46,707 db           5,977 db           48,716 db           5,973 db	T 1-DH5 24	ALIGNAUTO ALIGNAUTO AvgIHold: 10/1	nission g-Pwr Mk	04:49:39 PM Mar 29, 202 TRACE 11 2 3 4 5 Type Minimum 5.957 d Bn -13:83 48 -13:83 48 Stop 26:50 GH 2.530 s (30001 pts
Bilent Spectrum Analyz           RL         RF           enter Freq 13.           0 dB/div         Ref Off           0 dB/div         Ref 2(1)           0 dB/div<	Tx. Spuric	Dus NVN1           SENSE           PNO: Fast           FGain:Low           #VBW           \$957 db           46,707 db           5,957 db           46,707 db           5,977 db           48,716 db           5,973 db	T 1-DH5 24	ALIGNAUTO ALIGNAUTO AvgIHold: 10/1	nission g-Pwr Mk	04:49:39 PM Mar 29, 202 TRACE 11 2 3 4 5 Type Minimum 5.957 d Bn -13:83 48 -13:83 48 Stop 26:50 GH 2.530 s (30001 pts



Page 92 of 100

	Tx. Spu	irious N	IVNT 1-D	H5 2441MH	z Ref		
Agilent Spectrum Analyzer - Swep LXI RL RF 50 Ω		SE	NSE:PULSE	ALIGNAUTO		04:51:10	PM Mar 29, 2023
Center Freq 2.441000	Р	NO: Wide ↔ Gain:Low	. Trig: Free Run Atten: 30 dB	Avg Type: Avg Hold:	Log-Pwr 100/100	1	ACE 1 2 3 4 5 6 YPE M WWWWWW DET P N N N N N
Ref Offset 0.5 10 dB/div Ref 20.00 dl					Mkr	1 2.440 8: 7.	35 0 GHz 843 dBm
			1				
10.0							
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-30.0							-الار
-40.0							
-50.0							
-60.0							
-70.0							
Center 2.4410000 GHz #Res BW 100 kHz		#VB	W 300 kHz		#Sweep	Span 0 100.0 ms	1.500 MHz (1001 pts)
MSG				-1			
		us NVN	NT 1-DH5	2441MHz E	missior	า	
Agilent Spectrum Analyzer - Swep	AC		NT 1-DH5	_		04:51:16 TR	PM Mar 29, 2023 ACE 1 2 3 4 5 6
Agilent Spectrum Analyzer - Swep	ot SA AC 00000 GHz			2441MHz E	Log-Pwr	04:51:16 TR 1	PM Mar 29, 2023 ACE 1 2 3 4 5 6 YPE M MANANAN DET P N N N N N
Agilent Spectrum Analyzer - Swep 20 RL RF 50.9 Center Freq 13.26500 Ref Offset 0.5	AC A	SE PNO: Fast ↔	NSE:PULSE	2441MHz E ALIGNAUTO Avg Type:	Log-Pwr 10/10	04:51:16 TR 1 Mkr1 2.44	ACE 1 2 3 4 5 6 YPE M W N N N N DET P N N N N N
Agilent Spectrum Analyzer - Swep WRL RF 50 Q Center Freq 13.26500	AC A	SE PNO: Fast ↔	NSE:PULSE	2441MHz E ALIGNAUTO Avg Type:	Log-Pwr 10/10	04:51:16 TR 1 Mkr1 2.44	ACE 123456 YPE MWWWWW DET P NNNNN
Agilent Spectrum Analyzer - Swep           Ød RL         RF         50 Ω           Center Freq 13.26500           Ref Offset 0.5           10 dB/div         Ref 20.00 d           00         1	AC A	SE PNO: Fast ↔	NSE:PULSE	2441MHz E ALIGNAUTO Avg Type:	Log-Pwr 10/10	04:51:16 TR 1 Mkr1 2.44	ACE 123456 YPE MWWWWWW DET PNNNN 114 GHz 236 dBm
Agilent Spectrum Analyzer - Swep           M RL         RF         50 Ω           Center Freq 13.26500         Ref Offset 0.5           10 dB/div         Ref 20.00 d           10.0         1	AC A	SE PNO: Fast ↔	NSE:PULSE	2441MHz E ALIGNAUTO Avg Type:	Log-Pwr 10/10	04:51:16 TR 1 Mkr1 2.44	ACE 123456 YPE MWWWWW DET P NNNNN
Agilent Spectrum Analyzer - Swep of RL         RF         50 Ω           Center Freq 13.26500         Sef Offset 0.5         Sef Offset 0.5           10 dB/div         Ref 20.00 dl         Sef 20.00 dl           0.00         -10.0         -10.0           -20.0         -30.0         -10.0	AC A	SE PNO: Fast ↔	NSE:PULSE	2441MHz E ALIGNAUTO Avg Type:	Log-Pwr 10/10	04:51:16 TR 1 Mkr1 2.44	ACE 123456 YPE MWWWWWW DET PNNNN 114 GHz 236 dBm
Agilent Spectrum Analyzer - Swep           Ø RL         RF         50 Ω           Center Freq 13.26500           Ref Offset 0.5           10 dB/div         Ref 20.00 dl           0 0         0         1           -10.0         -20.0         1	AC A	SE PNO: Fast ↔	NSE:PULSE	2441MHz E	Log-Pwr 10/10	04:51:16 TR 1 Mkr1 2.44	ACE 123456 YPE MWWWWWW DET PNNNN 114 GHz 236 dBm
Agilent Spectrum Analyzer - Swep           Canter Freq 13.26500           Center Freq 13.26500           Ref Offset 0.5           O dB/div         Ref 20.00 dl           0 0         0           0 0         0           -10.0         -10.0           -30.0         -40.0           -60.0         -40.0	AC A	SE PNO: Fast ↔	NSE:PULSE	2441MHz E ALIGNAUTO Avg Type:	Log-Pwr 10/10	04:51:16 TR 1 Mkr1 2.44	ACE 123456 YPE MWWWWWW DET PNNNN 114 GHz 236 dBm
Agilent Spectrum Analyzer - Swep (1) RL RF 50.9 Center Freq 13.26500 Ref Offset 0.5 10 dB/div Ref 20.00 dl 10.0 10.0 -0.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -1 -70.0	AC A	SE PNO: Fast ↔	NSE:PULSE	2441MHz E	Log-Pwr 10/10	04:51:16 TR Mkr1 2.44 -0.2	ACE [1 2 3 4 5 6 VEM (1 2 3 4 5 6 VEM (1 4 GHz 236 dBm -12.16 dBm -12.16 dBm
Agilent Spectrum Analyzer - Swep           Canter Freq 13.26500           Center Freq 13.26500           Ref Offset 0.5           O dB/div         Ref 20.00 dl           0 0         0           0 0         0           -10.0         -10.0           -30.0         -40.0           -60.0         -40.0	AC A	SE SNO: Fast Gain:Low	NSE:PULSE	2441MHz E	Log-Pwr 10/10	04:51:16 TR -0.2 Mkr1 2.44 -0.2	ACE [1 2 3 4 5 6 VPE [M VMVN N 11 4 GHz 236 dBm -1216 dBm -1216 dBm -2 -1216 dBm -2 -2 -2 -2 -2 -2 -2 -2 -2 -2
Agilent Spectrum Analyzer - Swep (1) RL RF 50.9 Center Freq 13.26500 Ref Offset 0.5 10 dB/div Ref 20.00 dl 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	AC 00000 GHz F	SE PNO: Fast Gain:Low #VB	NSE:PULSE	2441MHz E	Log-Pwr 10/10	04:51:16 TR 1 Mkr1 2.44 -0.1	ACE [1 2 3 4 5 6 VPE [M VMVN N 11 4 GHz 236 dBm -1216 dBm -1216 dBm -2 -1216 dBm -2 -2 -2 -2 -2 -2 -2 -2 -2 -2
Agilent Spectrum Analyzer - Swep (1) RL RF 50.9 Center Freq 13.26500 Ref Offset 0.5 10 dB/div Ref 20.00 dl 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	AC AC AC AC AC AC AC AC AC AC	SE PNO: Fast -Gain:Low #VB -0.236 -45.170 -56.151	NSE:PULSE	2441MHz E	Log-Pwr 10/10	04:51:16 TR -0.2 Mkr1 2.44 -0.2	ACE [1 2 3 4 5 6 VPE [M VMVN N 11 4 GHz 236 dBm -1216 dBm -1216 dBm -2 -1216 dBm -2 -2 -2 -2 -2 -2 -2 -2 -2 -2
Agilent Spectrum Analyzer - Swep (1) RL RF 50.9 Center Freq 13.26500 Ref Offset 0.5 10 dB/div Ref 20.00 dl 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	AC A	SE Sean:Low Gain:Low #VB #VB 0.236 -45.170 -56.151 -57.310	NSE:PULSE	2441MHz E	Log-Pwr 10/10	04:51:16 TR -0.2 Mkr1 2.44 -0.2	ACE [1 2 3 4 5 6 VPE [M VMVN N 11 4 GHz 236 dBm -1216 dBm -1216 dBm -2 -1216 dBm -2 -2 -2 -2 -2 -2 -2 -2 -2 -2
Agilent Spectrum Analyzer - Swep           XI         RF         50 0           Center Freq 13.26500         Ref Offset 0.5         Statt 0.5           0 dB/div         Ref 20.00 dl         Ref 20.00 dl           10.0         10.0         10.0         10.0           10.0         10.0         10.0         10.0         10.0           10.0         10.0         10.0         10.0         10.0         10.0           20.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0	AC AC D0000 GHz F F Bm AB Bm A AC AC AC AC AC AC AC AC AC	SE Sean:Low Gain:Low #VB #VB 0.236 -45.170 -56.151 -57.310	NSE:PULSE	2441MHz E	Log-Pwr 10/10	04:51:16 TR -0.2 Mkr1 2.44 -0.2	ACE [1 2 3 4 5 6 VPE [M VMVN N 11 4 GHz 236 dBm -1216 dBm -1216 dBm -2 -1216 dBm -2 -2 -2 -2 -2 -2 -2 -2 -2 -2
Agilent Spectrum Analyzer - Swer 20 RL RF 50.9 Center Freq 13.26500 Ref Offset 0.5 10 dB/div Ref 20.00 dl 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.	AC AC D0000 GHz F F Bm AB Bm A AC AC AC AC AC AC AC AC AC	SE Sean:Low Gain:Low #VB #VB 0.236 -45.170 -56.151 -57.310	NSE:PULSE	2441MHz E	Log-Pwr 10/10	04:51:16 TR -0.2 Mkr1 2.44 -0.2	ACE [1 2 3 4 5 6 VPE [M VMVN N 11 4 GHz 236 dBm -1216 dBm -1216 dBm -2 -1216 dBm -2 -2 -2 -2 -2 -2 -2 -2 -2 -2

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Page 93 of 100

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XI RL	<b>trum Analyzer - S</b> w RF 50 ន	2 AC	SEN	SE:PULSE	ALIGNAUTO			3 PM Mar 29, 2023
Center F	Freq 2.4800	F	PNO: Wide 🔸	Trig: Free Run Atten: 30 dB	Avg Type: Avg Hold: 1		Т	RACE 1 2 3 4 5 6 TYPE MWAAAAAA DET PNNNNN
10 dB/div	Ref Offset 0. Ref 20.00					Mkr		54 5 GHz .442 dBm
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					<b>I</b> STATUS			
	trum Analyzer - Sw RF 50 ଜ	vept SA		T 1-DH5 :	STATUS 2480MHz E Alignauto	missio	04:46:4	4 PM Mar 29, 2023
X/ RL	<mark>trum Analyzer - S</mark> w RF 50 G	AC 000000 GHz			2480MHz E	Log-Pwr	04:46:4	4 PM Mar 29, 2023 RACE 1 2 3 4 5 TYPE M WWWW DET P N N N N
RL Center F	trum Analyzer - Sw RF 50 ۵ Freq 13.265 Ref Offset 0.	AC 000000 GHz	SEN	SE:PULSE	2480MHz E alignauto Avg Type:	Log-Pwr 0/10	04:46:4 T Mkr1 2.4	
Center F	trum Analyzer - Sw RF 50 ន Freq 13.265	AC 000000 GHz	SEN	SE:PULSE	2480MHz E alignauto Avg Type:	Log-Pwr 0/10	04:46:4 T Mkr1 2.4	
20 dB/div Log 10.0 0.00	trum Analyzer - Sw RF 50 ۵ Freq 13.265 Ref Offset 0.	AC 000000 GHz	SEN	SE:PULSE	2480MHz E alignauto Avg Type:	Log-Pwr 0/10	04:46:4 T Mkr1 2.4	RACE 12345 TYPE MWWWWW DET PNNN 81 1 GHz 385 dBm
X RL Center F 10 dB/div Log	trum Analyzer - Sw RF 50 ۵ Freq 13.265 Ref Offset 0.	AC 000000 GHz	SEN	SE:PULSE	2480MHz E alignauto Avg Type:	Log-Pwr 0/10	04:46:4 T Mkr1 2.4	
X         RL           Center F           10.0           10.0           .10.0           .20.0           .30.0	trum Analyzer - Sw RF 50 ۵ Freq 13.265 Ref Offset 0.	AC 000000 GHz	SEN	SE:PULSE	2480MHz E alignauto Avg Type:	Log-Pwr 0/10	04:46:4 T Mkr1 2.4	RACE 12345 TYPE MWWWWW DET PNNN 81 1 GHz 385 dBm
10 dB/div           10 dB/div           10.0           10.0           -10.0           -20.0	trum Analyzer - Sw RF 50 ۵ Freq 13.265 Ref Offset 0.	AC 000000 GHz	SEN	SE:PULSE	2480MHz E alignauto Avg Type:	Log-Pwr 0/10	04:46:4 T Mkr1 2.4	RACE 12345 TYPE MWWWWW DET PNNN 81 1 GHz 385 dBm
Image: Non-State         RL           10 dB/div         Center F           10.0	trum Analyzer - Sw RF 50 ۵ Freq 13.265 Ref Offset 0.	AC 000000 GHz	SEN	SE:PULSE	2480MHz E alignauto Avg Type:	Log-Pwr 0/10	04:46:4 T Mkr1 2.4	RACE 12345 TYPE MWWWWW DET PNNN 81 1 GHz 385 dBm
II         RL           Center F         I           10.0         I           0.00         I           -10.0         I           -20.0         I           -30.0         I           -60.0         I           -60.0         I	trum Analyzer - Sw RF   50 g Freq 13.265 Ref Offset 0. Ref 20.00	AC 000000 GHz	SEN	SE:PULSE	2480MHz E alignauto Avg Type:	Log-Pwr 0/10	04:46:4 T Mkr1 2.4 6.	RACE   1 2 3 4 5 TYPE   MANAGEMENT DET   N N N N 81 1 GHz 385 dBm -13.58 dBm
M         RL           Center F         I           10.0         I	trum Analyzer - Sw RF   50 g Freq 13.265 Ref Offset 0. Ref 20.00	AC 000000 GHz	SEN FGain:Low	SE:PULSE	2480MHz E alignauto Avg Type:	Log-Pwr 0/10	04:46:4 T Mkr1 2.4 6.	RACE 12345 TYPE MWWWWW DET PNNN 81 1 GHz 385 dBm
10 dB/div           conter f           10.0	Itrum Analyzer - Sw           RF         50 g           Freq 13.265           Ref Offset 0.           Ref 20.00           1           MHz           V 100 kHz           Iffe Sci           1	xept SA 2 AC 0000000 GHz 5 dB dBm 3 4 2 A81 1 GHz 2.481 1 GHz	SEN FGain:Low	SE:PULSE Trig: Free Run Atten: 30 dB	2480MHz E alignauto Avg Type:	Log-Pwr 0/10	04:46:4 T Mkr1 2.4 6.	RACE   1 2 3 4 5 VPFE   M NN NN 81 1 GH2 385 dBm -1356 dBm -1356 dBm 2 2 2 2 2 2 2 2 2 2 2 2 2
10 dB/div           Center F           10.0           -0.0           10.0           -0.0           -10.0           -20.0           -30.0           -40.0           -50.0           -60.0           -70.0           Start 30           #Res BW           #Res DODE           1           2           3	trum Analyzer - Sw RF   50 G Freq 13.265 Ref Offset 0. Ref 20.00 1 1 1 1 1 1 1 1 1 1 1 1 1	xept SA 2 AC 2 AC 3 C 4 C 5 dB 4 Bm 2 AB1 1 GHz 2 481 1 GHz 2 5.555 0 GHz 5 .056 1 9 GHz	SEN FGain:Low FGain:Low	SEIPULSE Trig: Free Run Atten: 30 dB	2480MHz E	Log-Pwr 0/10	04:46:4 T Mkr1 2.4 6. Stop p 2.530 s	RACE   1 2 3 4 5 VPFE   M NN NN 81 1 GH2 385 dBm -1356 dBm -1356 dBm 2 2 2 2 2 2 2 2 2 2 2 2 2
20         RL           Center F           10	Trum Analyzer - Sw RF   50 G Freq 13.265 Ref Offset 0. Ref 20.00 1 1 MHz V 100 KHz HRG SGL 1 f	xept SA 2 AC 0000000 GHz 1 5 dB dBm 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 5 5,555 0 GHz	SEN FGain:Low FGain:Low #VBV 6.385 47.134 ( 57.517 ( 58.037 (	SE:PULSE Trig: Free Run Atten: 30 dB	2480MHz E	Log-Pwr 0/10	04:46:4 T Mkr1 2.4 6. Stop p 2.530 s	RACE   1 2 3 4 5 VPFE   M NN NN 81 1 GH2 385 dBm -1356 dBm -1356 dBm 2 2 2 2 2 2 2 2 2 2 2 2 2
X         RL           Center F	trum Analyzer - Sw RF S0 (5 Freq 13.265) Ref Offset 0. Ref 20.00 ↓ 1 ↓ MHz ↓ 100 kHz HZ ICC SC↓ ↓ 1 ↓ 1 ↓ 1 ↓ 1 ↓ 1 ↓ 1 ↓ 1 ↓	xept SA 2 AC 2 AC 3 4 4 4 4 4 4 4 4 4 4 4 4 4	SEN FGain:Low FGain:Low #VBV 6.385 47.134 ( 57.517 ( 58.037 (	SE:PULSE Trig: Free Run Atten: 30 dB	2480MHz E	Log-Pwr 0/10	04:46:4 T Mkr1 2.4 6. Stop p 2.530 s	RACE   2 3 4 5 TYPE   MINN DET   NNNN 81 1 GH: 385 dBn -1356 dBr -1356 dBr
0         dB/div           0         dB/div           0         0           0         0           10         0           10         0           10         0           20         0           -30         0           -30         0           -60         0           -70         0           Start 30         4           4         N           2         N           3         N           4         N           5         N           6         N	trum Analyzer - Sw RF S0 (5 Freq 13.265) Ref Offset 0. Ref 20.00 ↓ 1 ↓ MHz ↓ 100 kHz HZ ICC SC↓ ↓ 1 ↓ 1 ↓ 1 ↓ 1 ↓ 1 ↓ 1 ↓ 1 ↓	xept SA 2 AC 2 AC 3 4 4 4 4 4 4 4 4 4 4 4 4 4	SEN FGain:Low FGain:Low #VBV 6.385 47.134 ( 57.517 ( 58.037 (	SE:PULSE Trig: Free Run Atten: 30 dB	2480MHz E	Log-Pwr 0/10	04:46:4 T Mkr1 2.4 6. Stop p 2.530 s	RACE   2 3 4 5 TYPE   MINN DET   NNNN 81 1 GH: 385 dBn -1356 dBr -1356 dBr

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Shenzhen STS Test Services Co., Ltd.



Page 94 of 100

			inous n	VNT 2-DI	H5 2402MH	Iz Ref	
LXI RL	rum Analyzer - Swept S RF 50 Ω A0 req 2.4020000	C     100 GHz P	SEP NO: Wide ↔ Gain:Low	NSE:PULSE Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type Avg Hold:		04:54:24 PM Mar 29, 2023 TRACE 1 2 3 4 5 TYPE M WWWWW DET P N N N N
10 dB/div	Ref Offset 0.5 dB Ref 20.00 dBn					Mkr1	2.401 838 0 GH: 6.771 dBm
10.0				1			
0.00							
-10.0							
-20.0							
-30.0							
-40.0							
-50.0							
-60.0							
-70.0							
Center 2. #Res BW	4020000 GHz 100 kHz		#VBI	N 300 kHz		#Sweep	Span 1.500 MHz 100.0 ms (1001 pts
MSG	<b>.</b>	Orferia	- N IV /N				•
	rum Analyzer - Swept S	A			2402MHz	Emission	
Center F	RF 50 Ω A0 req 13.265000	000 GHz	PNO: Fast +++	ISE:PULSE	ALIGNAUTO Avg Type	Log-Pwr	04:54:34 PM Mar 29, 2023 TRACE 1 2 3 4 5
			Gain:Low	Atten: 30 dB	Avg Hold:	10/10	TYPE MWWWWW DET P N N N N
10 dB/div	Ref Offset 0.5 dB Ref 20.00 dBr	1F 3		Atten: 30 dB	Avg Hold:		TYPE M WWWWW
10.0		1F 3		Atten: 30 dB	Avg Hold:		DET PNNN
Log 10.0 0.00 -10.0		1F 3		Atten: 30 dB	Avg Hold:		DET PNNN
Log 10.0 -10.0 -20.0 -30.0		1F 3		Atten: 30 dB	Avg Hold:		Ikr1 2.402 6 GHz -2.857 dBm
Log 10.0 -10.0 -20.0 -30.0 -40.0 -50.0		1F 3			Avg Hold:		-1323 000
Log 10.0 -10.0 -20.0 -30.0 -40.0		1F 3					-1323 000
10.0	Ref 20.00 dBr	1F 3		N 300 kHz		#Sweep 1	TYPE M NNN DEF/P NNNN Ikr1 2.402 6 GHz -2.857 dBm 
Log 10.0 0.00 -10.0 -20.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Start 30 F #Res BW MKS MODE T 1 N 2 N	Ref 20.00 dBr	IF 3 m 4 4 4 4 4 4 2.402 6 GHz 2.402 6 GHz 2.402 6 GHz	-Gain:Low 5 	Al 300 kHz		#Sweep 1	1920 26.50 GHz
Log 10.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -60.0 -70.0 Start 30 I #Res BW MKR M005 II 1 N 2 N 2 N 3 N 4 N 5 N	Ref 20.00 dBr	16 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Gain:Low 5 4 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	AV 300 kHz FUNCTION dBm dBm dBm dBm		#Sweep 1	TYPE M NNN DEF/P NNNN Ikr1 2.402 6 GHz -2.857 dBm 
Log 10.0 -10.0 -20.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Start 30 I #Res BW MSS M003 H 1 N - 2 N - 3 N - 4 N - 6 N - 6 N - 6 N - 8	Ref 20.00 dBr	IF           3           m           4           4           4           2402 6 GHz           2402 6 GHz           2404 9 GHz           7.092 2 GHz           4.649 9 GHz           7.092 2 GHz	5 5 4 4 4 5 5 4 5 5 4 5 5 4 5 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5	AV 300 kHz FUNCTION dBm dBm dBm dBm		#Sweep 1	TYPE M NNN DEF/P NNNN Ikr1 2.402 6 GHz -2.857 dBm 
Log 10.0 -10.0 -20.0 -30.0 -30.0 -40.0 -50.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0	Ref 20.00 dBr	IF           3           m           4           4           4           2402 6 GHz           2402 6 GHz           2404 9 GHz           7.092 2 GHz           4.649 9 GHz           7.092 2 GHz	5 5 4 4 4 5 5 4 5 5 4 5 5 4 5 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5	AV 300 kHz FUNCTION dBm dBm dBm dBm		#Sweep 1	TYPE M NNN DEF/P NNNN Ikr1 2.402 6 GHz -2.857 dBm 



Page 95 of 100

		x. Spu	rious N	VNT 2-		441MH	z Ref		
RL	rum Analyzer - Swept SA RF 50 Ω AC Treq 2.441000000	PN	IO: Wide ↔ Gain:Low	NSE:PULSE Trig: Free F Atten: 30 d	Run	IGNAUTO Avg Type: I Avg Hold: 1		TF	PM Mar 29, 202 ACE 1 2 3 4 5 TYPE M WWWW DET P N N N N
) dB/div	Ref Offset 0.5 dB Ref 20.00 dBm						Mkr1	2.440 8 7.	35 0 GH 898 dBr
°g				1					
10.0					m			~	
								Mar.	
10.0									
20.0									<u> </u>
80.0									
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io.o									
50.0									
70.0									
RL	Tx. ؟ rum Analyzer - Swept SA RF 50 ی مد ] req 13.26500000	00 GHz	SEM	IT 2-DH NSE:PULSE Trig: Free F	<b>15 244</b> 1	MHZ E		05:08:23 TR	PM Mar 29, 202 ACE 1 2 3 4 5
			NO: Fast ↔ Gain:Low	Atten: 30 d		Avginoia: 1			DET P N N N N
							l I	/kr1 2 4/	41.4 GH
0 dB/div	Ref Offset 0.5 dB Ref 20.00 dBm						<b>٦</b>	/lkr1 2.44 2.3	
og 10.0							٦ 		
<b>° 9</b> 10.0									334 dBn
<b>0</b> 10.0 0.00 10.0 20.0 									41 4 GH 334 dBn -12:10:48
og 10.0 10.0 20.0 30.0 40.0			<u>5</u>						
• g           10.0           0.000           20.0           30.0           40.0           50.0           60.0			5		, di _s vag di disensi de	and the proved sector of the providence of the p			334 dBn
• 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ref 20.00 dBm	Line of the second seco	5 The second se			and the second and a second and a second and a second and a second a second a second a second a second a second		2.	-12.10.dB
• g 10.0 0.00 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 2	Ref 20.00 dBm		5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	W 300 kHz			#Sweep	2. Stop 100.0 ms i	-1210 dB -1210 dB -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2
0 dB/div .og 10.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.	Ref 20.00 dBm	2.441 4 GHz .320 6 GHz .079 6 GHz .334 0 GHz .732 1 GHz	<b>#VB</b> <b>2.334</b> 45.331 -56.768 -57.859	AV 300 kHz GBm dBm dBm dBm			#Sweep	2.	-1210 dB -1210 dB -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2



Page 96 of 100

X/RL	um Analyzer - Swept S RF 50 Ω AC req 2.4800000 Ref Offset 0.5 dB Ref 20.00 dBm	00 GHz P IF	SEN: NO:Wide ↔ Gain:Low	SE:PULSE Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Avg Hold: 1	00/100	05:10:38 PM Mar 29, 2023 TRACE 12 3 4 5 1 TYPE MWWWW DET P NNNN 479 838 0 GH2
- <b>og</b> 10.0						Mkr1.2	479 838 0 GH
10.0							6.791 dBm
			.1				
0.00							
	TTr						- Marine
-10.0							
-20.0							
-30.0							
40.0							
-50.0							
-60.0							
-70.0							
Center 2.4 Res BW	800000 GHz 100 kHz		#VBV	V 300 kHz		#Sweep 10	Span 1.500 MH 00.0 ms (1001 pts
ISG			_		STATUS		
Agilent Spectr	TX. um Analyzer - Swept S,		us NVN	T 2-DH5 2	2480MHz E	mission	
URL	RF 50Ω AC req 13.265000	000 GHz	SENS	SE:PULSE	ALIGNAUTO Avg Type: Avg Hold: 1		05:10:49 PM Mar 29, 2023 TRACE 1 2 3 4 5 TYPE M WWWW
	Ref Offset 0.5 dB	IF	Gain:Low	Atten: 30 dB		Mki	DET P NNNN
10 dB/div	Ref 20.00 dBn						-0.595 dBn
0.00	<b></b>						
-10.0							-13.21 dBr
-20.0							
-40.0		34	<u>5</u>				
-60.0	an a		an a			the fill many property of the solution of the fill when	an dia dia mandri di kanana ang katalan.
Start 30 M	1Hz						Stop 26.50 GHz
#Res BW	100 kHz			V 300 kHz	FUNCTION WIDTH	•	).0 ms (30001 pts
MKR MUDE TR	f f	× 2.480 2 GHz 26.449 7 GHz	-0.595 d -45.781 d	Bm	FONCTION WIDTH	FUNCTION	
2 N 1	f	5.102 5 GHz 7.544 0 GHz	-57.323 d -56.866 d	Bm			
2 N 1 3 N 1 4 N 1 5 N 1	f f	10.098 3 GHz	-57.669 d	DIII			
2 N 1 3 N 1 4 N 1 5 N 1 6 7	f	10.098 3 GHz	-57.669 d				
2 N 1 3 N 1 4 N 1 5 N 1 6	f	10.098 3 GHz	-57.669 d				
2 N 1 3 N 1 4 N 1 5 N 1 6	f	10.098 3 GHz	-57.669 d				



Page 97 of 100

			irious N	VNT 3-DH	5 2402MHz	Ref	
RL	strum Analyzer - Swept ) RF 50 Ω A Freq 2.4020000	000 GHz	NO: Wide ↔ Gain:Low	ISE:PULSE Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Lo Avg Hold: 100		05:13:11 PM Mar 29, 202 TRACE 1 2 3 4 5 TYPE M WWWWW DET P N N N N
0 dB/div	Ref Offset 0.5 dE Ref 20.00 dBi					Mkr1 2.4	102 165 0 GH 6.803 dBr
^{og}							
10.0				m			
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	2.4020000 GHz V 100 kHz		#VB\	N 300 kHz		#Sweep 10	Span 1.500 MH 0.0 ms (1001 pt
G					-1		
		- 20 - 1		_	STATUS		
ilent Spec			us NVN	IT 3-DH5 2	2402MHz Er	mission	
RL	Tx trum Analyzer - Swept 1 RF   50 Ω β Freq 13.265000	SA AC	SEM	ISE:PULSE	2402MHz Er Alignauto Avg Type: Lo	og-Pwr	TRACE 1 2 3 4 5
RL	c <mark>trum Analyzer - Swept</mark> RF 50 Ω A	SA AC DOOO GHz			2402MHz Er	og-Pwr 10	TRACE 1 2 3 4 5 TYPE MWWW DET P N N N N
RL enter l	trum Analyzer - Swept 3 RF 50 Ω A Freq 13.265000 Ref Offset 0.5 dl	SA AC     DOOO GHz   I B	SEM PNO: Fast ↔	ISE:PULSE	2402MHz Er Alignauto Avg Type: Lo	og-Pwr 10	TRACE 1 2 3 4 5 TYPE MWWW DET P N N N 1 2.402 6 GH
RL enter l O dB/div og	trum Analyzer - Swept )	SA AC     DOOO GHz   I B	SEM PNO: Fast ↔	ISE:PULSE	2402MHz Er Alignauto Avg Type: Lo	og-Pwr 10	TRACE 1 2 3 4 5 TYPE MWWW DET P N N N 1 2.402 6 GH
C dB/div	trum Analyzer - Swept )	SA AC     DOOO GHz   I B	SEM PNO: Fast ↔	ISE:PULSE	2402MHz Er Alignauto Avg Type: Lo	og-Pwr 10	1 2.402 6 GH 2.274 dBr
RL enter I 0 dB/div 9 10.0 .00 .00 .00 .00 .00 .00	trum Analyzer - Swept )	SA AC     DOOO GHz   I B	SEM PNO: Fast ↔	ISE:PULSE	2402MHz Er Alignauto Avg Type: Lo	og-Pwr 10	1 2.402 6 GH 2.274 dBr
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RL           enter I           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0   0   0      0	rrum Analyzer - Swept 3 RF 50 2 A Freq 13.265000 Ref Offset 0.5 dl Ref 20.00 dB 1 1 1 1 1 1 1 1 1 1 1 1 1	SA SC SC SC SC SC SC SC SC SC SC	SEN Gain:Low	ISE:PULSE	ALIGNAUTO AVG Type: Lc Avg Hold: 10/	29-Pwr 10 Mkr	05:13:22 PM Mar 29, 202 TRACE 12 3 4 5 TYPE M MAY 20, 000 DET P NNNN 1 2.402 6 GH 2.274 dBr 
RL           enter I           0 dB/div	Item Analyzer - Swept 30 @ A           RF         50 @ A           Freq 13.265000           Ref Offset 0.5 dl Ref 20.00 dB           1           1           1           1           1           100 KHz           100 KHz	SA SOUDO GHZ II B m 2.402 6 GHZ 2.402 6 GHZ 2.402 6 GHZ 4.990 5 GHZ	SEN FN0: Fast → Gain:Low	ISE:PULSE	2402MHz Er	29-Pwr 10 Mkr 20 20 20 20 20 20 20 20 20 20 20 20 20	12.402 6 GH 2.274 dBr 
RL           enter I           0 dB/div	Analyzer         Swept           RF         50.2         6           Freq         13.265000         8           Ref         Offset         0.5 dil           Ref         20,00 dBi         1           1         1         1           MHz         100 kHz         100 kHz	SA COUD GHZ B m 2 2 2 2 2 2 2 2 2 4 2 4 2 4 2 4 2 4 2 4 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4	SEN -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low 	SEPUSE	2402MHz Er	29-Pwr 10 Mkr 20 20 20 20 20 20 20 20 20 20 20 20 20	12.402 6 GH 2.274 dBr 
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RL           enter I           od B/div           99           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0 <td>Image: strain Analyzer - Swept 30 00 // Swept 30 00 // Swept 30 00 // Swept 30 00 // Swept 30 // Swept</td> <td>SA COUDO GHZ B m 2.402 6 GHZ 2.402 6 GHZ 2.402 6 GHZ 2.402 6 GHZ 2.402 6 GHZ 7.144 3 GHZ</td> <td>SEN -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low </td> <td>SEPUSE                                      </td> <td>2402MHz Er</td> <td>29-Pwr 10 Mkr 20 20 20 20 20 20 20 20 20 20 20 20 20</td> <td>12.402 6 GH 2.274 dBr </td>	Image: strain Analyzer - Swept 30 00 // Swept 30 00 // Swept 30 00 // Swept 30 00 // Swept 30 // Swept	SA COUDO GHZ B m 2.402 6 GHZ 2.402 6 GHZ 2.402 6 GHZ 2.402 6 GHZ 2.402 6 GHZ 7.144 3 GHZ	SEN -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low -Gain:Low 	SEPUSE	2402MHz Er	29-Pwr 10 Mkr 20 20 20 20 20 20 20 20 20 20 20 20 20	12.402 6 GH 2.274 dBr 



Page 98 of 100

			irious N	VNT 3-DH	5 2441MHz	z Ref	
IXI RL	strum Analyzer - Swept SA RF 50 Ω AC Freq 2.44100000	D <b>0 GH</b> z P	S⊟ NO: Wide ↔ Gain:Low	VSE:PULSE Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: L Avg Hold: 10		05:15:59 PM Mar 29, 2023 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N
10 dB/div	Ref Offset 0.5 dB Ref 20.00 dBm	1				Mkr1 2	.440 836 5 GHz 7.896 dBm
				1			
0.00							
							m
-10.0							
-30.0							
-40.0							
-60.0							
-70.0							
10.0							
	2.4410000 GHz V 100 kHz		#VB	W 300 kHz		#Sweep 1	Span 1.500 MHz 00.0 ms (1001 pts)
MSG	Tv	Sourio	us NIVA	IT 3-DH5 2		mission	
Agilent Spec	ctrum Analyzer - Swept SA	Į		VSE:PULSE	ALIGNAUTO		05:16:10 PM Mar 29, 2023
	Freq 13.265000	000 GHz	NO: Fast +++	Trig: Free Run	Avg Type: L Avg Hold: 10	og-Pwr ∕10	TRACE 1 2 3 4 5 6 TYPE MWARAAAA
			Gain:Low	Atten: 30 dB	01		DET P N N N N
10 dB/div	Ref Offset 0.5 dB Ref 20.00 dBm	IF		Atten: 30 dB	U.	Mk	r1 2.441 4 GHz 2.159 dBm
10.0		IF		Atten: 30 dB		Mk	оет <u>Р N N N N</u> ( <b>r1 2.441 4 GHz</b>
Log		IF		Atten: 30 dB		Mk	оет <u>Р N N N N</u> ( <b>r1 2.441 4 GHz</b>
10.0 0.00		IF		Atten: 30 dB			xr1 2.441 4 GHz 2.159 dBm
Log 10.0		IF					xr1 2.441 4 GHz 2.159 dBm
Log 10.0 -10.0 -20.0 -30.0 -40.0 -60.0 -60.0 -10.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0 -20.0	Ref 20.00 dBm	IF					crTP NNNN (r1 2.441 4 GHz 2.159 dBm 
Log 10.0 -10.0 -20.0 -30.0 -40.0 -50.0 -70.0 Start 30	Ref 20.00 dBm	IF					CET/P NNNN CT 2.441 4 GHz 2.159 dBm 
Log 10.0 .000 .10.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0 .20.0	Ref 20.00 dBm		Gain:Low	W 300 KHz		#Sweep 10	CET  P NNNN (r1 2.441 4 GHz 2.159 dBm 
Log 10.0 -10.0 -20.0 -20.0 -30.0 -40.0 -40.0 -50.0 -60.0 -60.0 -60.0 -70.0 <b>Start 30</b> <b>Start 30</b> <b>#Res BV</b> <b>Mills</b> <b>M009</b> <b>1</b> <b>N</b> <b>2</b> <b>N</b> <b>3</b> <b>N</b> <b>3</b> <b>N</b> <b>3</b> <b>N</b> <b>3</b> <b>N</b> <b>3</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>	Ref 20.00 dBm	IF 2.441 4 GHz 25.572 7 GHz	Gain:Low	W 300 kHz		#Sweep 10	CET/P NNNN CT1 2.441 4 GHz 2.159 dBm 
Log 10.0 -10.0 -20.0 -30.0 -30.0 -40.0 -40.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -60.0 -70.0 -60.0 -70.0 -60.0 -70.0 -70.0 -60.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0 -70.0	Ref 20.00 dBm	IF	Gain:Low	W 300 kHz		#Sweep 10	CET/P NNNN CT1 2.441 4 GHz 2.159 dBm 
Log 10.0 .000 -10.0 -20.0 -30.0 -30.0 -40.0 -40.0 -50.0 -60.0 yuter -50.0 -60.0 yuter Start 30 #Res BV MXX M003 1 N 3 N 4 N 5 N 6 7 8 9 9	Ref 20.00 dBm	IF 2441 4 GHz 25.572 7 GHz 4.941 9 GHz	Gain:Low 5 4 g to 16 to 16 4 y VB #VB 2 (15) 4 46 106 5 7, 500 5 7, 127	W 300 kHz		#Sweep 10	CET/P NNNN CT1 2.441 4 GHz 2.159 dBm 
Log 10.0 -10.0 -20.0 -20.0 -30.0 -40.0 -40.0 -50.0 -40.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0	Ref 20.00 dBm	IF 2441 4 GHz 25.572 7 GHz 4.941 9 GHz	Gain:Low 5 4 g to 16 to 16 4 y VB #VB 2 (15) 4 46 106 5 7, 500 5 7, 127	W 300 kHz		#Sweep 10	CET/P NNNN CT1 2.441 4 GHz 2.159 dBm 



Page 99 of 100

			urious N	VNT 3-DI	H5 2480MH	lz Ref		
XI RL	rum Analyzer - Swept RF 50 Ω Freq 2.4800000	AC 000 GHz F	SENS PNO: Wide ↔ FGain:Low	E:PULSE Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Avg Hold:		TRA T	M Mar 29, 2023 CE 1 2 3 4 5 6 PE M M N N N N DET P N N N N N
10 dB/div	Ref Offset 0.5 dl Ref 20.00 dB					Mkr	1 2.479 83 6.8	3 5 GHz 108 dBm
10.0			1					
0.00								
-10.0								
-20.0								
-30.0								
-40.0								
-50.0								
-60.0								
-70.0								
Center 2.	4800000 GHz						Span	1.500 MHz
KI RL	Tx rum Analyzer - Swept RF 50 ی req 13.265000	sa AC 0000 GHz		T 3-DH5 E:PULSE Trig: Free Run	ALIGNAUTO AVg Type: Avg Hoid:	Log-Pwr	05:18:37 F TR/ T	M Mar 29, 2023 CE 1 2 3 4 5 (PE M WWWW
	Ref Offset 0.5 d	II	FGain:Low	Atten: 30 dB			Mkr1 2.48	0 2 GHz
10 dB/div Log 10.0	Ref 20.00 dB						2.3	69 dBm
0.00	•							
-10.0								-13.19 dBn
-30.0								<mark>2</mark>
-50.0	Annual Supervised Al Street, and and a				ay any tool ( too ) on a ^{the f} ood on the sector ( 1995) on A sector ( 1996) of the ^{sector} on the sector ( 1997) of the sector ( 1997) of the sector ( 1997) of the sector	a di kanan na manan di kanan Manan na manan di kanan di	a Malina ang pina ang k	Managina Selation and I
-70.0 <b>-70.0</b> Start 30 I				· ·			Ston	26.50 GHz
	100 kHz	×	#VBW	/ 300 kHz	FUNCTION WIDTH	· · ·	100.0 ms (	
1 N 2 N 3 N	1 f 1 f 1 f	2.480 2 GHz 25.576 2 GHz 5.012 5 GHz	2.369 d -46.343 d -56.498 d	Bm Bm Bm	FUNCTION WIDTH	F	UNCTION VALUE	
4 N 5 N 6 7 8 9	1 f 1 f	7.600 4 GHz 10.055 1 GHz						



## 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 * * * * *



Shenzhen STS Test Services Co., Ltd.