

RADIO TEST REPORT

S T S

Report No.:STS2204202W02

Issued for

SHEN ZHEN DX-SMART TECHNOLOGY CO., LTD

Room 601, Block A1, HuafengZhigu, Hangkong Road, Baoan District, Shenzhen China

Product Name:	Bluetooth Module		
Brand Name:	N/A		
Model Name:	DX-BT24		
Series Model:	N/A		
FCC ID:	2AKS8-DX-BT24		
Test Standard:	FCC Part 15.247		

Any reproduction of this document must be done in full. No single part of this document may be reproduced withou permission from STS, all test data presented in this report is only applicable to presented test sample.

APPROVA

Shenzhen STS Test Services Co., Ltd. A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ, Fuyong Sub-District, Bao'an District, Shenzhen, Guang Dong, China TEL: +86-755 3688 6288 FAX: +86-755 3688 6277 E-mail:sts@stsapp.com



TEST RESULT CERTIFICATION

Applicant's Name:	SHEN ZHEN DX-SMART TECHNOLOGY CO.,LTD
Address:	Room 601, Block A1, HuafengZhigu, Hangkong Road, Baoan District, Shenzhen China
	SHEN ZHEN DX-SMART TECHNOLOGY CO.,LTD
Address:	Room 601, Block A1, HuafengZhigu, Hangkong Road, Baoan District, Shenzhen China
Product Description	
Product Name:	Bluetooth Module
Brand Name:	N/A
Model Name:	DX-BT24
Series Model:	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.

This report shall not be reproduced except in full, without the written approval of STS, this document may be altered or revised by STS, personal only, and shall be noted in the revision of the document.

Date of Test

Date (s) of performance of tests:	07 May 2022 ~ 11 May 2022
Date of Issue	
Test Result	Pass

Testing Engineer

(Chris Chen)

Technical Manager

(Sean she)

APPROVAL 6

Authorized Signatory :

unly hover

(Bovey Yang)

Shenzhen STS Test Services Co., Ltd.



Table of Contents

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 TEST SOFTWARE AND POWER LEVEL	10
2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	10
2.5 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS	11
2.6 EQUIPMENTS LIST	12
3. EMC EMISSION TEST	14
3.1 CONDUCTED EMISSION MEASUREMENT	14
3.2 TEST PROCEDURE	15
3.3 TEST SETUP	15
3.4 EUT OPERATING CONDITIONS	15
3.5 TEST RESULTS	16
4. RADIATED EMISSION MEASUREMENT	17
4.1 RADIATED EMISSION LIMITS	17
4.2 TEST PROCEDURE	19
4.3 TEST SETUP	20
4.4 EUT OPERATING CONDITIONS	20
4.5 FIELD STRENGTH CALCULATION	21
4.6 TEST RESULTS	22
5. CONDUCTED SPURIOUS & BAND EDGE EMISSION	29
5.1 LIMIT	29
5.2 TEST PROCEDURE	29
5.3 TEST SETUP	29
5.4 EUT OPERATION CONDITIONS	29
5.5 TEST RESULTS	29
6. POWER SPECTRAL DENSITY TEST	30
6.1 LIMIT	30
6.2 TEST PROCEDURE	30
6.3 TEST SETUP	30

Page 4 of 57 Report No.: STS2204202W02



Table of Contents

6.4 EUT OPERATION CONDITIONS	30
6.5 TEST RESULTS	30
7. BANDWIDTH TEST	31
7.1 LIMIT	31
7.2 TEST PROCEDURE	31
7.3 TEST SETUP	31
7.4 EUT OPERATION CONDITIONS	31
7.5 TEST RESULTS	31
8. PEAK OUTPUT POWER TEST	32
8.1 LIMIT	32
8.2 TEST PROCEDURE	32
8.3 TEST SETUP	33
8.4 EUT OPERATION CONDITIONS	33
8.5 TEST RESULTS	33
9. ANTENNA REQUIREMENT	34
9.1 STANDARD REQUIREMENT	34
9.2 EUT ANTENNA	34
APPENDIX 1-TEST DATA	35
1. DUTY CYCLE	35
2. MAXIMUM AVERAGE CONDUCTED OUTPUT POWER	38
3. MAXIMUM PEAK CONDUCTED OUTPUT POWER	41
46DB BANDWIDTH	44
5. MAXIMUM POWER SPECTRAL DENSITY LEVEL	47
6. BAND EDGE	50
7. CONDUCTED RF SPURIOUS EMISSION	53
APPENDIX 2- EUT TEST PHOTO	57



Page 5 of 57 Report No.: STS2204202W02

Revision History

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	11 May 2022	STS2204202W02	ALL	Initial Issue



Shenzhen STS Test Services Co., Ltd.

Т



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	N/A			
15.247 (a)(2)	6dB Bandwidth	PASS			
15.247 (b)(3)	Output Power	PASS			
15.209	Radiated Spurious Emission	PASS			
15.247 (d)	Conducted Spurious & Band Edge Emission	PASS			
15.247 (e)	Power Spectral Density	PASS			
15.205	Restricted 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.

Shenzhen STS Test Services Co., Ltd.



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 $\mathbf{y} \pm \mathbf{U}$, where expended uncertainty \mathbf{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	±0.87dB
2	Unwanted Emissions, conducted	±2.895dB
3	All emissions, radiated 9K-30MHz	±3.80dB
4	All emissions, radiated 30M-1GHz	±4.09dB
5	All emissions, radiated 1G-6GHz	±4.92dB
6	All emissions, radiated>6G	±5.49dB
7	Conducted Emission (9KHz-30MHz)	±2.73dB

Shenzhen STS Test Services Co., Ltd.



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Bluetooth Module		
Trade Name	N/A		
Model Name	DX-BT24		
Series Model	N/A		
Model Difference	N/A		
	The EUT is a Blueto	ooth Module	
	Operation Frequency:	2402~2480 MHz	
	Modulation Type:	GFSK	
	Radio Technology:	BLE	
	Bluetooth Version:	5.1	
Product Description	Bluetooth	LE(Support 1M PHY)	
	Configuration:		
	Number Of Channel:	40	
	Antenna Designation:	Please refer to the Note 3.	
	Antenna Gain (dBi)	0 dBi	
Channel List	Please refer to the Note 2.		
Rating	Input: DC 3.3V		
Hardware version number	V4.2		
Software version number	V2.2.0		
Connecting I/O Port(s)	Please refer to the I	Note 1.	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.



•								
	Channel List							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequenc y (MHz)	
00	2402	10	2422	20	2442	30	2462	
01	2404	11	2424	21	2444	31	2464	
02	2406	12	2426	22	2446	32	2466	
03	2408	13	2428	23	2448	33	2468	
04	2410	14	2430	24	2450	34	2470	
05	2412	15	2432	25	2452	35	2472	
06	2414	16	2434	26	2454	36	2474	
07	2416	17	2436	27	2456	37	2476	
08	2418	18	2438	28	2458	38	2478	
09	2420	19	2440	29	2460	39	2480	

3.

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	DX-BT24	РСВ	N/A	0 dBi	BLE ANT

Note: 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.







2.2 DESCRIPTION OF THE TEST MODES

For conducted test items and radiated spurious emissions

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

Worst Mode	Description	Data/Modulation
Mode 1	TX CH00(2402MHz)	1 Mbps/GFSK
Mode 2	TX CH19(2440MHz)	1 Mbps/GFSK
Mode 3	TX CH39(2480MHz)	1 Mbps/GFSK

Note:

(1) 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.

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

For AC Conducted Emission

20	Test Case
AC Conducted Emission	Mode 4 : Keeping BT TX

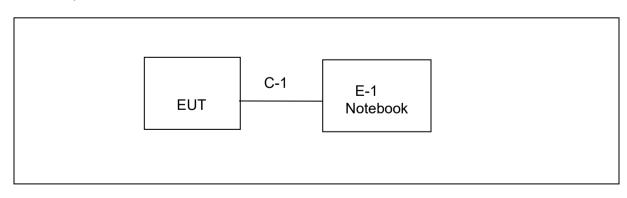
2.3 TEST SOFTWARE AND POWER LEVEL

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

RF Function	Туре	Mode Or Modulation type	ANT Gain(dBi)	Power Class	Software For Testing
BLE	BLE	GFSK	0	default	SmartSnippets Toolbox v5.0.14

2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated Spurious Emission Test



Shenzhen STS Test Services Co., Ltd.





2.5 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.

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

Support units

Item	Equipment	Mfr/Brand	Model/Type No.	Length	Note
E-1	Notebook	LENOVO	Think Pad E470	N/A	N/A
C-1	USB Cable	N/A	N/A	150cm	NO

Note:

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



2.6 EQUIPMENTS LIST

Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2021.09.30	2022.09.29
Signal Analyzer	R&S	FSV 40-N	101823	2021.09.30	2022.09.29
Active loop Antenna	ZHINAN	ZN30900C	16035	2021.04.11	2023.04.10
Bilog Antenna	TESEQ	CBL6111D	34678	2020.10.12	2022.10.11
Horn Antenna	SCHWARZBECK	BBHA 9120D	02014	2021.10.11	2023.10.10
SHF-EHF Horn Antenna (18G-40GHz)	A-INFO	LB-180400-KF	J211020657	2020.10.12	2022.10.11
Pre-Amplifier (0.1M-3GHz)	EM	EM330	060665	2021.10.08	2022.10.07
Pre-Amplifier (1G-18GHz)	SKET	LNPA-01018G-45	SK2018080901	2021.09.30	2022.09.29
Pre-Amplifier (18G-40GHz)	SKET	LNPA-1840-50	SK2018101801	2021.09.28	2022.09.27
Temperature & Humidity	HH660	Mieo	N/A	2021.10.09	2022.10.08
Turn table	EM	SC100_1	60531	N/A	N/A
Antenna mast	EM	SC100	N/A	N/A	N/A
Test SW	FARAD	EZ-EMC(Ver.STSLAB-03A1 RE)			

Conduction Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2021.09.30	2022.09.29
LISN	R&S	ENV216	101242	2021.09.30	2022.09.29
LISN	EMCO	3810/2NM	23625	2021.09.30	2022.09.29
Temperature & Humidity	HH660	Mieo	N/A	2021.10.09	2022.10.08
Test SW	FARAD	EZ-EMC(Ver.STSLAB-03A1 CE)			

Т



RF Connected Test

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
			MY55520005	2021.09.30	2022.09.29
Dawar Canaar	Power Sensor Keysight	U2021XA	MY55520006	2021.09.30	2022.09.29
Power Sensor		02021XA	MY56120038	2021.09.30	2022.09.29
			MY56280002	2021.09.30	2022.09.29
Signal Analyzer	Agilent	N9020A	MY51110105	2022.03.01	2023.02.28
Temperature & Humidity	HH660	Mieo	N/A	2021.10.09	2022.10.08
Test SW	FARAD	EZ-EMC(Ver.STSLAB-03A1 RE)			



Shenzhen STS Test Services Co., Ltd.



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 Emission limit (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



3.2 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.

Vertical Reference Ground Plane EUT 40cm EUT 80cm N Horizontal Reference Ground Plane

3.3 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.

3.4 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.



3.5 TEST RESULTS

Temperature:	25.4(C)	Relative Humidity:	51%RH
Test Voltage:	N/A	Phase:	L/N
Test Mode:	N/A		

Note: EUT is only power by DC Power, So it is not applicable for this test.



Shenzhen STS Test Services Co., Ltd.



4. RADIATED EMISSION MEASUREMENT

4.1 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 (Frequency Range 9kHz-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 (Above 1000MHz)

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

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

LIMITS OF RESTRICTED FREQUENCY BANDS

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

Shenzhen STS Test Services Co., Ltd.



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/Stan Fraguanay	Lower Band Edge: 2310 to 2410 MHz	
Start/Stop Frequency	Upper Band Edge: 2475 to 2500 MHz	
	1 MHz / 3 MHz(Peak)	
RB / VB	1 MHz/1/T MHz(AVG)	

Shenzhen STS Test Services Co., Ltd.

Т



Page 19 of 57 Report No.: STS2204202W02

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

4.2 TEST PROCEDURE

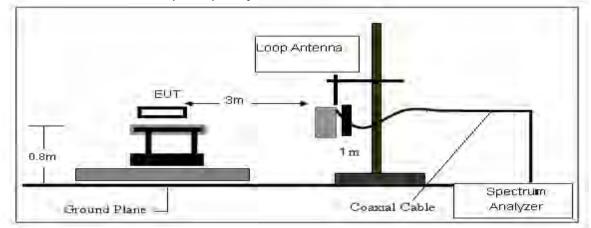
- a. The measuring distance at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 m (above 1GHz is 1.5 m) above the ground at a 3 m anechoic chamber test site. The table was rotated 360 degree to determine the 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.

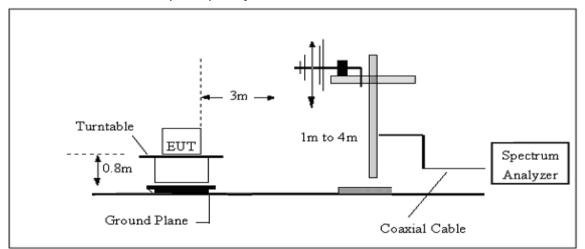


4.3 TEST SETUP

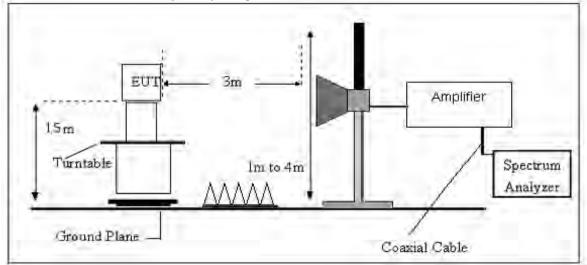
(A) Radiated Emission Test-Up Frequency Below 30MHz



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



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



4.4 EUT OPERATING CONDITIONS Please refer to section 3.4 of this report.



4.5 FIELD STRENGTH CALCULATION

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

FS = RA + AF + CL - AG Where FS = Field Strength CL = Cable Attenuation Factor (Cable Loss) RA = Reading Amplitude AG = Amplifier Gain AF = Antenna Factor

For example

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

Factor=AF+CL-AG





4.6 TEST RESULTS

(Between 9KHz - 30 MHz)

Temperature:	23.1(C)	Relative Humidtity:	60%RH
Test Voltage:	DC 3.3V	Polarization:	
Test Mode:	TX Mode		

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

Note:

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

Distance extrapolation factor =40 log (specific distance/test distance)(dB); Limit line = specific limits(dBuv) + distance extrapolation factor.



Shenzhen STS Test Services Co., Ltd.



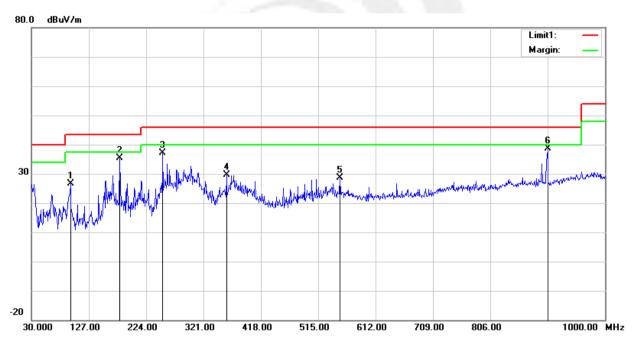
(30MHz -1000MHz)

Temperature:	23.1(C)	Relative Humidity:	60%RH		
Test Voltage:	DC 3.3V	Phase:	Horizontal		
Test Mode:	Mode 1/2/3 (Mode 2 worst mode)				

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/ m)	(dBuV/m)	(dBuV/m)	(dB)	
1	95.9600	47.20	-20.67	26.53	43.50	-16.97	peak
2	179.3800	55.52	-20.02	35.50	43.50	-8.00	peak
3	252.1300	52.81	-15.80	37.01	46.00	-8.99	peak
4	359.8000	42.43	-12.87	29.56	46.00	-16.44	peak
5	551.8600	34.34	-5.72	28.62	46.00	-17.38	peak
6	903.0000	39.03	-0.37	38.66	46.00	-7.34	peak

Remark:

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





Page 24 of 57 Report No.: STS2204202W02

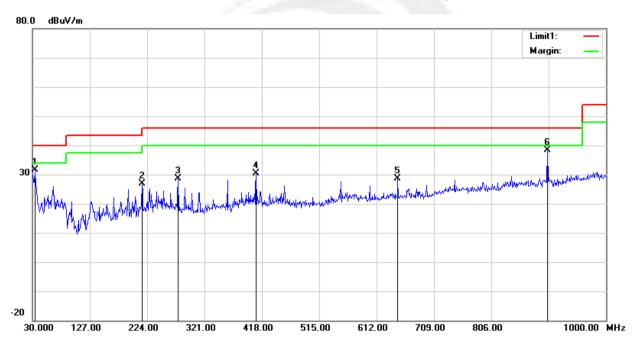
Temperature:	23.1(C)	Relative Humidity:	60%RH		
Test Voltage:	DC 3.3V	Phase:	Vertical		
Test Mode:	Mode 1/2/3 (Mode 2 worst mode)				

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/ m)	(dBuV/m)	(dBuV/m)	(dB)	
1	33.8800	46.33	-14.80	31.53	40.00	-8.47	peak
2	215.2700	47.05	-20.17	26.88	43.50	-16.62	peak
3	276.3800	44.08	-15.49	28.59	46.00	-17.41	peak
4	408.3000	41.07	-10.66	30.41	46.00	-15.59	peak
5	647.8900	33.62	-4.88	28.74	46.00	-17.26	peak
6	901.0600	38.81	-0.43	38.38	46.00	-7.62	peak

Remark:

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

2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain



Shenzhen STS Test Services Co., Ltd.



F

7320.50

7320.50

54.75

43.52

43.50

43.50

11.40

11.40

1

35.50

35.50

(1GHz-25GHz) Spurious emission Requirements

(10112	-200112)	opunous	CI1113310	nncquire	Smenta					
					GFSK					
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	Common
	,		. ,	Low Ch	hannel (GFSK/2	2402 MHz)		. ,		
3264.61	61.51	44.70	6.70	28.20	-9.80	51.71	74.00	-22.29	PK	Vertical
3264.61	51.01	44.70	6.70	28.20	-9.80	41.21	54.00	-12.79	AV	Vertical
3264.83	62.17	44.70	6.70	28.20	-9.80	52.37	74.00	-21.63	PK	Horizontal
3264.83	51.13	44.70	6.70	28.20	-9.80	41.33	54.00	-12.67	AV	Horizontal
4804.34	58.76	44.20	9.04	31.60	-3.56	55.20	74.00	-18.80	PK	Vertical
4804.34	50.45	44.20	9.04	31.60	-3.56	46.89	54.00	-7.11	AV	Vertical
4804.31	58.72	44.20	9.04	31.60	-3.56	55.16	74.00	-18.84	PK	Horizontal
4804.31	49.87	44.20	9.04	31.60	-3.56	46.31	54.00	-7.69	AV	Horizontal
5359.87	48.22	44.20	9.86	32.00	-2.34	45.88	74.00	-28.12	PK	Vertical
5359.87	39.32	44.20	9.86	32.00	-2.34	36.98	54.00	-17.02	AV	Vertical
5359.67	48.38	44.20	9.86	32.00	-2.34	46.03	74.00	-27.97	PK	Horizontal
5359.67	39.43	44.20	9.86	32.00	-2.34	37.09	54.00	-16.91	AV	Horizontal
7205.84	53.77	43.50	11.40	35.50	3.40	57.17	74.00	-16.83	PK	Vertical
7205.84	44.21	43.50	11.40	35.50	3.40	47.61	54.00	-6.39	AV	Vertical
7205.93	54.14	43.50	11.40	35.50	3.40	57.54	74.00	-16.46	PK	Horizontal
7205.93	44.26	43.50	11.40	35.50	3.40	47.66	54.00	-6.34	AV	Horizontal
		•		Middle C	Channel (GFSK	/2440 MHz)		•		•
3262.99	62.01	44.70	6.70	28.20	-9.80	52.21	74.00	-21.79	PK	Vertical
3262.99	51.68	44.70	6.70	28.20	-9.80	41.88	54.00	-12.12	AV	Vertical
3263.13	60.91	44.70	6.70	28.20	-9.80	51.11	74.00	-22.89	PK	Horizontal
3263.13	51.14	44.70	6.70	28.20	-9.80	41.34	54.00	-12.66	AV	Horizontal
4879.91	59.21	44.20	9.04	31.60	-3.56	55.65	74.00	-18.35	PK	Vertical
4879.91	49.61	44.20	9.04	31.60	-3.56	46.05	54.00	-7.95	AV	Vertical
4880.19	58.91	44.20	9.04	31.60	-3.56	55.35	74.00	-18.65	PK	Horizontal
4880.19	49.91	44.20	9.04	31.60	-3.56	46.35	54.00	-7.65	AV	Horizontal
5357.14	48.24	44.20	9.86	32.00	-2.34	45.90	74.00	-28.10	PK	Vertical
5357.14	39.57	44.20	9.86	32.00	-2.34	37.22	54.00	-16.78	AV	Vertical
5357.39	48.35	44.20	9.86	32.00	-2.34	46.00	74.00	-28.00	PK	Horizontal
5356.92	38.10	44.20	9.86	32.00	-2.34	35.75	54.00	-18.25	AV	Horizontal
7320.85	54.08	43.50	11.40	35.50	3.40	57.48	74.00	-16.52	PK	Vertical
7320.85	44.75	43.50	11.40	35.50	3.40	48.15	54.00	-5.85	AV	Vertical

3.40

3.40

58.15

46.92

74.00

54.00

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

ΡK

AV

Horizontal

Horizontal

-15.85

-7.08



Page 26 of 57 Report No.: STS2204202W02

				High Char	nnel (GFSK/	2480 MHz)				
3264.73	61.83	44.70	6.70	28.20	-9.80	52.03	74.00	-21.97	PK	Vertical
3264.73	50.32	44.70	6.70	28.20	-9.80	40.52	54.00	-13.48	AV	Vertical
3264.62	61.37	44.70	6.70	28.20	-9.80	51.57	74.00	-22.43	PK	Horizontal
3264.62	51.12	44.70	6.70	28.20	-9.80	41.32	54.00	-12.68	AV	Horizontal
4960.58	58.98	44.20	9.04	31.60	-3.56	55.42	74.00	-18.58	PK	Vertical
4960.58	50.26	44.20	9.04	31.60	-3.56	46.70	54.00	-7.30	AV	Vertical
4960.43	58.54	44.20	9.04	31.60	-3.56	54.98	74.00	-19.02	PK	Horizontal
4960.43	50.26	44.20	9.04	31.60	-3.56	46.70	54.00	-7.30	AV	Horizontal
5359.70	48.94	44.20	9.86	32.00	-2.34	46.60	74.00	-27.40	PK	Vertical
5359.70	39.02	44.20	9.86	32.00	-2.34	36.68	54.00	-17.32	AV	Vertical
5359.66	47.62	44.20	9.86	32.00	-2.34	45.28	74.00	-28.72	PK	Horizontal
5359.66	38.25	44.20	9.86	32.00	-2.34	35.90	54.00	-18.10	AV	Horizontal
7439.97	54.98	43.50	11.40	35.50	3.40	58.38	74.00	-15.62	PK	Vertical
7439.97	44.67	43.50	11.40	35.50	3.40	48.07	54.00	-5.93	AV	Vertical
7439.69	54.30	43.50	11.40	35.50	3.40	57.70	74.00	-16.30	PK	Horizontal
7439.69	43.60	43.50	11.40	35.50	3.40	47.00	54.00	-7.00	AV	Horizontal

Note:

1) Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Emission Level = Reading + Factor

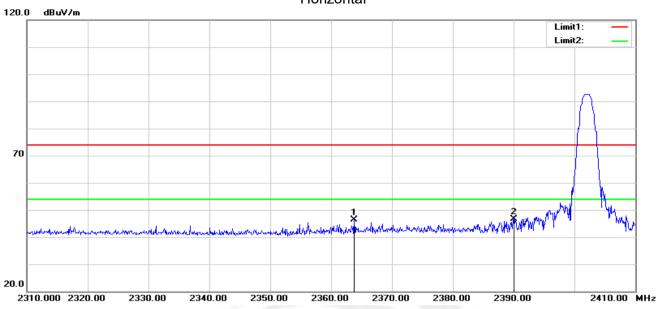
2) The frequency emission of peak points that did not show above the forms are at least 20dB below the limit, the frequency emission is mainly from the environment noise.



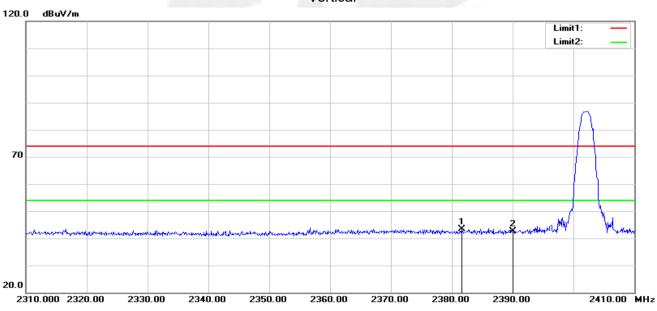


4.6 TEST RESULTS (Restricted Bands Requirements)

GFSK-Low Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2363.800	42.34	3.95	46.29	74.00	-27.71	peak
2	2390.000	42.39	4.34	46.73	74.00	-27.27	peak



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2381.600	39.08	4.22	43.30	74.00	-30.70	peak
2	2390.000	38.19	4.34	42.53	74.00	-31.47	peak

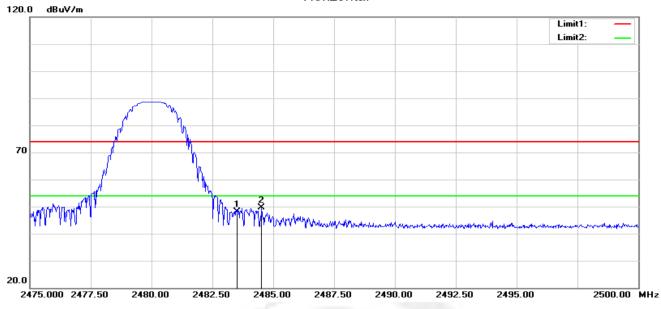
Vertical



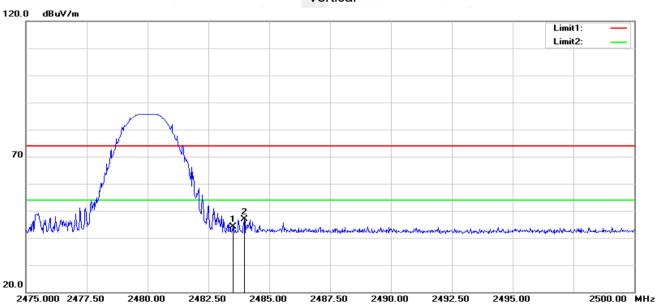
Page 28 of 57

Report No.: STS2204202W02

GFSK-High Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
110.	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Roman
1	2483.500	43.42	4.60	48.02	74.00	-25.98	peak
2	2484.525	44.97	4.61	49.58	74.00	-24.42	peak



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	39.56	4.60	44.16	74.00	-29.84	peak
2	2483.975	42.15	4.61	46.76	74.00	-27.24	peak

Vertical

Shenzhen STS Test Services Co., Ltd.



5. CONDUCTED SPURIOUS & BAND EDGE EMISSION

5.1 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.

5.2 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/Stan Fraguanay	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

5.3 TEST SETUP



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

5.4 EUT OPERATION CONDITIONS Please refer to section 3.4 of this report.

5.5 TEST RESULTS

Note: The test data please refer to APPENDIX 1.

Shenzhen STS Test Services Co., Ltd.



6. POWER SPECTRAL DENSITY TEST

6.1 LIMIT

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

6.2 TEST PROCEDURE

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

6.3 TEST SETUP

Specturm Analyzer	EUT
Analyzei	

6.4 EUT OPERATION CONDITIONS Please refer to section 3.4 of this report.

6.5 TEST RESULTS

Note: The test data please refer to APPENDIX 1.



7. BANDWIDTH TEST

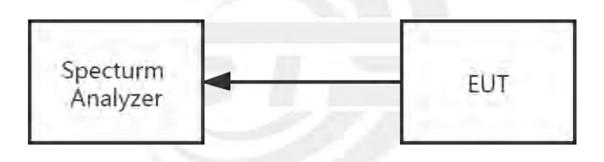
7.1 LIMIT

FCC Part 15.247,Subpart C								
Section	Test Item	Limit	Frequency Range (MHz)	Result				
15.247(a)(2)	Bandwidth	>= 500KHz (6dB bandwidth)	2400-2483.5	PASS				

7.2 TEST PROCEDURE

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

7.3 TEST SETUP



7.4 EUT OPERATION CONDITIONS Please refer to section 3.4 of this report.

7.5 TEST RESULTS

Note: The test data please refer to APPENDIX 1.



8. PEAK OUTPUT POWER TEST

8.1 LIMIT

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

8.2 TEST PROCEDURE

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

 $RBW \ge DTS$ bandwidth

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

a) Set the RBW \geq DTS bandwidth.

b) Set VBW \geq [3 × RBW].

c) Set span \geq [3 × RBW].

d) Sweep time = auto couple.

e) Detector = peak.

f) Trace mode = max hold.

g) Allow trace to fully stabilize.

h) Use peak marker function to determine the peak amplitude level.

Integrated band power method:

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

DTS bandwidth:

a) Set the RBW = 1 MHz.

b) Set the VBW \geq [3 × RBW].

c) Set the span \geq [1.5 × DTS bandwidth].

d) Detector = peak.

e) Sweep time = auto couple.

f) Trace mode = max hold.

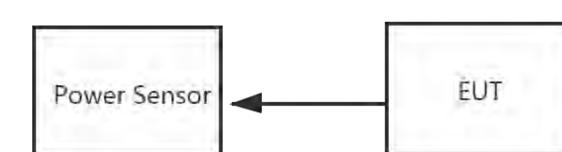
g) Allow trace to fully stabilize.

h) Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges (for some instruments, this may require a manual override to select the peak detector). If the instrument does not have a band power function, then sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the DTS channel bandwidth.

PKPM1 Peak power meter method:

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





8.4 EUT OPERATION CONDITIONS Please refer to section 3.4 of this report.

8.5 TEST RESULTS

Note: The test data please refer to APPENDIX 1.





9. ANTENNA REQUIREMENT

9.1 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.

9.2 EUT ANTENNA

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



Shenzhen STS Test Services Co., Ltd.



Page 35 of 57 Report No.: STS2204202W02

1. Duty Cycle

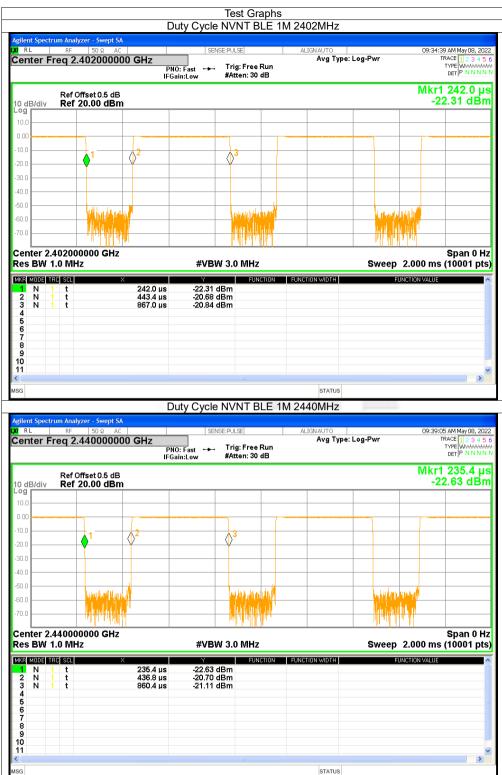
Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	67.78	1.69	2.36
NVNT	BLE 1M	2440	67.78	1.69	2.36
NVNT	BLE 1M	2480	67.79	1.69	2.36



Shenzhen STS Test Services Co., Ltd.



Page 36 of 57 Report No.: STS2204202W02



Shenzhen STS Test Services Co., Ltd.



Page 37 of 57 Report No.: STS2204202W02

gilent Spectrum Analyz RL RF	zer - Swept SA 50 Ω AC	SENSE:PULSE	ALIGNAUTO	09:51:28 AM May 08, 20
	180000000 GHz	0: Fast ↔ Trig: Free Rui ain:Low #Atten: 30 dB	Avg Type: Log-	Pwr TRACE 12345 TYPE WWWWWW DET P N N N
	fset 0.5 dB 0.00 dBm			Mkr1 373.0 µ -20.76 dВı
10.0				
0.00				
10.0				
20.0	∲ `\$ ² _	3		
30.0		ľ		
10.0				
0.0	terra bila		na na anna a taite	the states of the
0.0	The second se	<u>\</u>		
0.0				
enter 2.480000 es BW 1.0 MHz		#VBW 3.0 MHz		Span 0 F Sweep 2.000 ms (10001 pt
KR MODE TRC SCL	X	Y FUNCTION		FUNCTION VALUE
1 N 1 t 2 N 1 t 3 N 1 t 4	373.0 μs 574.4 μs 998.2 μs	-20.76 dBm -22.78 dBm -24.00 dBm		Andrian Add
5 6 7 8 9				
9 0 1				>



Shenzhen STS Test Services Co., Ltd.



Page 38 of 57 Report No.: STS2204202W02

2. Maximum Average Conducted Output Power

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	-6.292	1.69	-4.60	30	Pass
NVNT	BLE 1M	2440	-5.015	1.69	-3.33	30	Pass
NVNT	BLE 1M	2480	-6.481	1.69	-4.79	30	Pass



Shenzhen STS Test Services Co., Ltd.



Page 39 of 57 Report No.: STS2204202W02



Shenzhen STS Test Services Co., Ltd.



Page 40 of 57 Report No.: STS2204202W02

	trum Analyzer - Swept SA						
enter F	RF 50Ω AC Freq 2.480000000) GHz PNO: Fast IFGain:Low	SENSE:PULSE Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: F Avg Hold: 10		TYPE	1 May 06, 20 E 1 2 3 4 5 E A WWWW T A N N N I
I0 dB/div	Ref Offset 0.5 dB Ref 20.00 dBm				Mk	r1 2.479 9 -6.48	67 GF 31 dB
10.0							
0.00			1-				
10.0			within the second s	Martin Martin Martin			
30.0					Non and the second second		
40.0					Constant of the second s	N	
50.0							
50.0							
70.0							
	.480000 GHz / 2.0 MHz		¢VBW 6.0 MHz*		#Sweep	Span 10 150.0 ms (10).00 M 0001 p



Shenzhen STS Test Services Co., Ltd.

Т



Page 41 of 57 Report No.: STS2204202W02

3. Maximum Peak Conducted Output Power

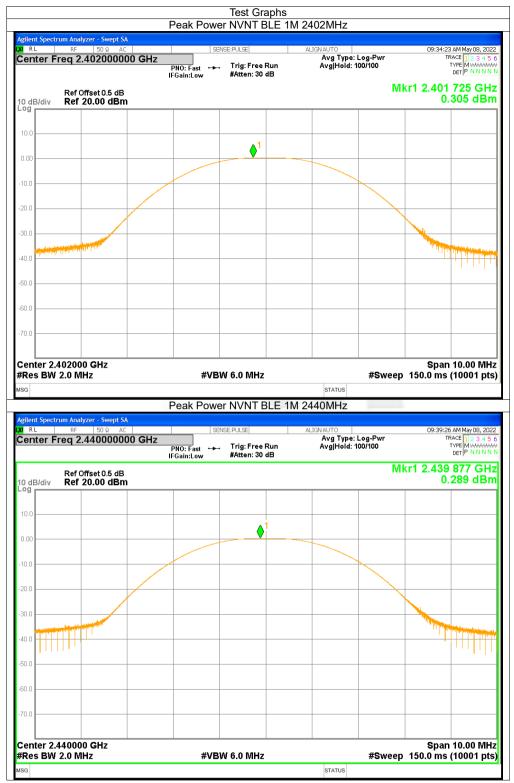
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	0.31	0	0.31	30	Pass
NVNT	BLE 1M	2440	0.29	0	0.29	30	Pass
NVNT	BLE 1M	2480	0.13	0	0.13	30	Pass



Shenzhen STS Test Services Co., Ltd.



Page 42 of 57 Report No.: STS2204202W02



Shenzhen STS Test Services Co., Ltd.

T



Page 43 of 57 Report No.: STS2204202W02



Shenzhen STS Test Services Co., Ltd.



Page 44 of 57 Report No.: STS2204202W02

4. -6dB Bandwidth

Condition	Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	0.668	0.5	Pass
NVNT	BLE 1M	2440	0.663	0.5	Pass
NVNT	BLE 1M	2480	0.66	0.5	Pass

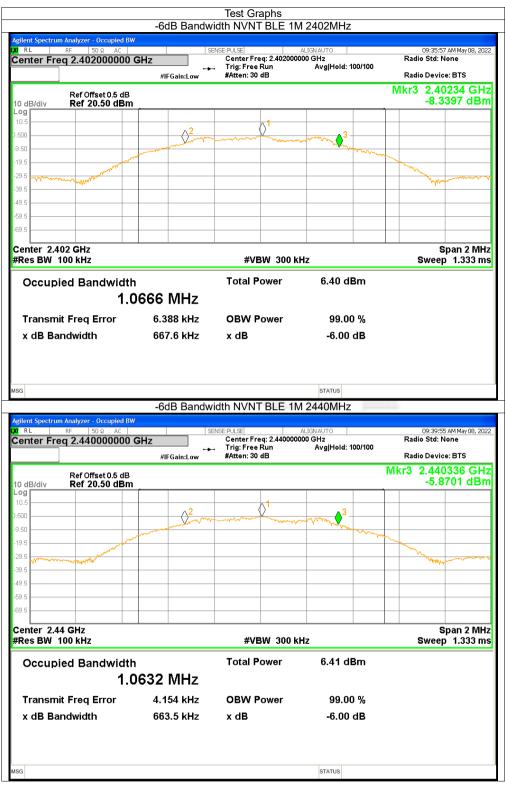


Shenzhen STS Test Services Co., Ltd.



Page 45 of 57

Report No.: STS2204202W02



Shenzhen STS Test Services Co., Ltd.



Page 46 of 57 Report No.: STS2204202W02

nt Spectru .L	m Analyzer - Occupied BW RF 50 Ω AC	s	ENSE:PULSE	ALIGNAUTO		09:52:19 AM May 08
nter Fr	eq 2.480000000 C		Center Freq: 2.480000 Trig: Free Run	000 GHz Avg Hold: 100/100	Radi	o Std: None
]	#IFGain:Low	#Atten: 30 dB	Avginola: 100/100	Radi	o Device: BTS
IB/div	Ref Offset 0.5 dB Ref 20.50 dBm				Mkr3	2.480334 C -6.4268 d
			- 1			
		2		3		
		- Wartin	and a server	and a service of the		
		~~~			money	
					- more	<b>N</b>
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	mar and a second					and a state of the
nter 2.4 es BW	18 GHz 100 kHz		#VBW 300 k	(Hz	:	Span 2 l Sweep 1.333
au so	ied Bandwidth		Total Power	6.38 dBm		
•		520 MHz				
ransm	nit Freq Error	4.141 kHz	OBW Power	99.00 %		
dB Ba	andwidth	660.4 kHz	x dB	-6.00 dB		



Shenzhen STS Test Services Co., Ltd.



Page 47 of 57 Report No.: STS2204202W02

5. Maximum Power Spectral Density Level

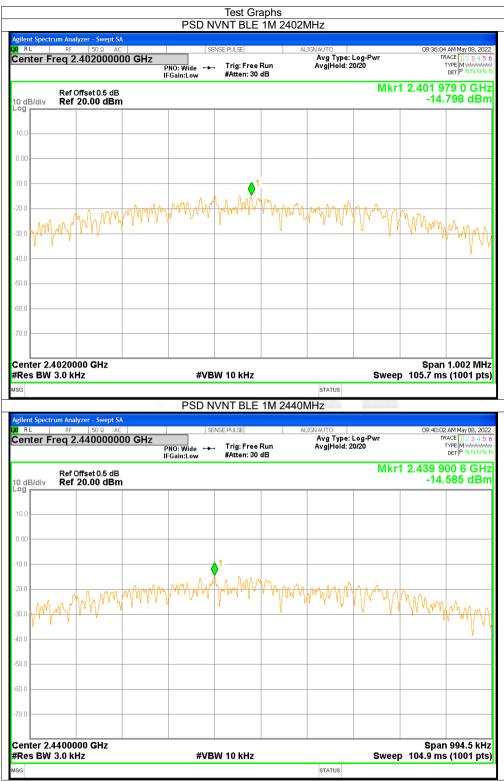
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	-14.8	0	-14.8	8	Pass
NVNT	BLE 1M	2440	-14.59	0	-14.59	8	Pass
NVNT	BLE 1M	2480	-14.79	0	-14.79	8	Pass



Shenzhen STS Test Services Co., Ltd.

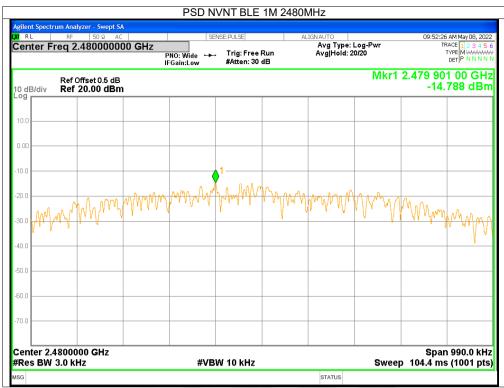


Page 48 of 57 Report No.: STS2204202W02





Page 49 of 57 Report No.: STS2204202W02



Shenzhen STS Test Services Co., Ltd.

Т



Page 50 of 57 Report No.: STS2204202W02

6. Band Edge

Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	-40.18	-20	Pass
NVNT	BLE 1M	2480	-45.79	-20	Pass



Shenzhen STS Test Services Co., Ltd.



Page 51 of 57 Report No.: STS2204202W02

gilent Spectrum	n <mark>Analyzer - Swept S</mark> / RF 50 Ω AC			PULSE	ALIGNAUTO	09:36:19 AM May 08, 20
	q 2.4020000	00 GHz	NO: Wide 🔸	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr Avg Hold: 100/100	TRACE 1 2 3 4 4 TYPE M WWW DET P N N N
	Ref Offset 0.5 dB Ref 20.00 dBm				I	Mkr1 2.402 000 GF 0.259 dB
10.0						
0.00				♦ ¹		
0.00				MM		
-10.0				/		
20.0						
-30.0			/			
			/ 1		T \	
40.0		$\overline{)}$				
-50.0	hı	N V	whether .		- Mart	-
-60.0	mothersected					while de Martin an approver
70.0						
-70.0						
Center 2.40	2000 GHz					Span 8.000 MH
Res BW 10	00 kHz		#VBW	300 kHz	#Swe	eep 100.0 ms (1001 pt
ISG						
		Dand				
l Agilent Spectrum	n Analyzer - Swept Sk		Edge NVNT	BLE 1M 240	status 2MHz Emission	-
(IRL	RF 50 Ω AC	A	SENSE	PULSE	ALIGNAUTO Avg Type: Log-Pwr	TRACE 1 2 3 4
(IRL		00 GHz	SENSE		2MHz Emission	TRACE 1 2 3 4 5 TYPE M WARAW
Center Fre	RF 50 Ω AC q 2.3560000	A DO GHz IF	SENSE PNO: Fast ↔→	PULSE	ALIGNAUTO Avg Type: Log-Pwr	TRACE 1234 TYPE MWWW DET PNNNI Mkr1 2.402 0 GH
2enter Fre	RF 50 Ω AC q 2.3560000	A DO GHz IF	SENSE PNO: Fast ↔→	PULSE	ALIGNAUTO Avg Type: Log-Pwr	TRACE 12345 TYPE MWWWW DET P N N N1 Mkr1 2.402 0 GH
Zenter Fre	RF 50 Ω AC q 2.3560000	A DO GHz IF	SENSE PNO: Fast ↔→	PULSE	ALIGNAUTO Avg Type: Log-Pwr	TRACE 12345 TYPE MWWWW DET P N N N1 Mkr1 2.402 0 GH
2 RL Center Fre	RF 50 Ω AC q 2.3560000	A OO GHz IF	SENSE PNO: Fast ↔→	PULSE	ALIGNAUTO Avg Type: Log-Pwr	09:36:32 AM May 08, 20 TRACE 12:3:4 TYPE PRIMA OFT P NNNI Mkr1 2.402 0 GH 0.242 dBt
10 dB/div 10 dB/div 10.0 10.0 -20.0	RF 50 Ω AC q 2.3560000	A OO GHz IF	SENSE PNO: Fast ↔→	PULSE	ALIGNAUTO Avg Type: Log-Pwr	Mkr1 2.402 0 GH 0.242 dBi
10 dB/div 10 dB/div 10.0 10.0 -20.0	RF 50 Ω AC q 2.3560000	A OO GHz IF	SENSE PNO: Fast ↔→	PULSE	ALIGNAUTO Avg Type: Log-Pwr	TRACE 12345 TYPE MWWWW DET P N N N1 Mkr1 2.402 0 GH
10 dB/div 10 dB/div 10.0 10.0 -0	RF 50 Ω AC q 2.3560000	A OO GHz IF	SENSE PNO: Fast ↔→	PULSE	2MHz Emission ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	Mkr1 2.402 0 GH 0.242 dBi
ID dB/div 10 dB/div 10.0	RF 50 Ω AC q 2.3560000	A OO GHz IF	SENSE PNO: Fast ↔→	PULSE	2MHz Emission ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	Mkr1 2.402 0 GH 0.242 dBi
RL Center Fre Og 10.0 0.00 -10.0 -20.0 -30.0 -50.0 -60.0 -70.0	RF 50 Ω AC q 2.35600001 Ref Ref Ref Offset 0.5 dB Ref 20.00 dBn	A OO GHz IF	SENSE PNO: Fast ↔→	PULSE	2MHz Emission ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	Mkr1 2.402 0 GH 0.242 dBt
RL Center Fre 10 dB/div 10.0 10.0	RF 50 Ω AC q 2.35600000 Ref 0ffset 0.5 dB Ref 20.00 dBn Ref 20.00 dBn Ref 20.00 dBn Ref 20.00 dBn D0 GHz Ref 20.00 GHz Ref 20.00 GHz	A OO GHz IF	SENSE Sain:Low	PULSE	2MHz Emission	Mkr1 2.402 0 GH 0.242 dBi
Image: Center Free Center Free 10 dB/div - og - 0 dB/div - 0 dB/div<	RF 50 Ω AC q 2.35600000 Ref 0ffset 0.5 dB Ref 20.00 dBn Ref 20.00 dBn	A 00 GHz P IF N	SENSE	PULSE	2MHz Emission	Mkr1 2.402 0 GH 0.242 dB
Image: Content Free Content Free Log Log 10.0 .000	RF 50 Ω AC q 2.35600000 Ref 0ffset 0.5 dB Ref 20.00 dBn Ref 20.00 dBn	A 00 GHz P IF N 2.402 0 GHz 2.400 0 GHz	SENSE Sain:Low #VBW 3 3 3 3 3 3 4 3 5 5 5 5 5 5 5 5 5	PULSE	2MHz Emission	Mkr1 2.402 0 GH 0.242 dBi
Image: Network of the second	RF 50 Ω AC q 2.35600000 Ref 0ffset 0.5 dB Ref 20.00 dBn Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison </td <td>A 00 GHz P IF</td> <td>SENSE Gain:Low</td> <td>PULSE</td> <td>2MHz Emission</td> <td>Mkr1 2.402 0 GH 0.242 dBi</td>	A 00 GHz P IF	SENSE Gain:Low	PULSE	2MHz Emission	Mkr1 2.402 0 GH 0.242 dBi
Image: Non-State interference Image: Non-State interference 10 Image: Non-State interference Image: Non-State interference 11 Image: Non-State interference Image: Non-State interference 12 N Image: Non-State interference 13 N Image: Non-State interference 12 N Image: Non-State interference 13 N Image: Non-State interference 14 N Image: Non-State interference 15 Image: Non-State interference Image: Non-State interference	RF 50 Ω AC q 2.35600000 Ref 0ffset 0.5 dB Ref 20.00 dBn 000 GHz 000 GHz 000 GHz 000 GHz 000 KHz SEE f f f	00 GHz P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 0 0 0 0 0 0 0 0 0 0 0 0 0	SENSE Sain:Low #VBW #VBW 0.242 dB -40.259 dB	PULSE	2MHz Emission	Mkr1 2.402 0 GH 0.242 dBi
Image: Content Free Content Free Cog Cog <t< td=""><td>RF 50 Ω AC q 2.35600000 Ref 0ffset 0.5 dB Ref 20.00 dBn 000 GHz 000 GHz 000 GHz 000 GHz 000 KHz SEE f f f</td><td>00 GHz P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>SENSE Sain:Low #VBW #VBW 0.242 dB -40.259 dB</td><td>PULSE</td><td>2MHz Emission</td><td>Mkr1 2.402 0 GH 0.242 dB 0.242 dB 0.242 dB 0.242 dB 0.242 dB 0.240600 GH Stop 2.40600 GH 2.40600 GH</td></t<>	RF 50 Ω AC q 2.35600000 Ref 0ffset 0.5 dB Ref 20.00 dBn 000 GHz 000 GHz 000 GHz 000 GHz 000 KHz SEE f f f	00 GHz P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 0 0 0 0 0 0 0 0 0 0 0 0 0	SENSE Sain:Low #VBW #VBW 0.242 dB -40.259 dB	PULSE	2MHz Emission	Mkr1 2.402 0 GH 0.242 dB 0.242 dB 0.242 dB 0.242 dB 0.242 dB 0.240600 GH Stop 2.40600 GH 2.40600 GH
RL Center Fre 10 dB/div -og 10.0 -0.0 </td <td>RF 50 Ω AC q 2.35600000 Ref 0ffset 0.5 dB Ref 20.00 dBn 000 GHz 000 GHz 000 GHz 000 GHz 000 KHz SEE f f f</td> <td>00 GHz P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>SENSE Sain:Low #VBW #VBW 0.242 dB -40.259 dB</td> <td>PULSE</td> <td>2MHz Emission</td> <td>Mkr1 2.402 0 GH 0.242 dBi</td>	RF 50 Ω AC q 2.35600000 Ref 0ffset 0.5 dB Ref 20.00 dBn 000 GHz 000 GHz 000 GHz 000 GHz 000 KHz SEE f f f	00 GHz P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 P IF 01 0 0 0 0 0 0 0 0 0 0 0 0 0	SENSE Sain:Low #VBW #VBW 0.242 dB -40.259 dB	PULSE	2MHz Emission	Mkr1 2.402 0 GH 0.242 dBi



Page 52 of 57 Report No.: STS2204202W02





Page 53 of 57 Report No.: STS2204202W02

7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	-49.24	-20	Pass
NVNT	BLE 1M	2440	-56.43	-20	Pass
NVNT	BLE 1M	2480	-57.26	-20	Pass



Shenzhen STS Test Services Co., Ltd.



Page 54 of 57 Report No.: STS2204202W02

gilent Spec	trum Analyzer - Swept		Spurious N	IVNT BLE 1M	2402MHz Re	f		
RL	RF 50 Ω	AC	SENS	E:PULSE		Log Prov	09:36:	47 AM May 08, 20
enter I	Freq 2.402000	PI	NO: Wide 🔸	Trig: Free Run #Atten: 20 dB	Avg Type Avg Hold:	100/100		TRACE 1 2 3 4 5 TYPE MWWW DET P N N N
	Ref Offset 0.5 d		Gameow	Fracen. 20 4D		Mk	r1 2.402	003 0 GH
0 dB/div	Ref 10.50 dB						C	0.222 dB
				1				
500				~				
9.50								
19.5								
19:0	and the second s							
29.5								
39.5								
19.5								
i9.5								
39.5								
79.5								
	.4020000 GHz							
	/ 100 kHz	Tx. Sp		/ 300 kHz NT BLE 1M 24	status 02MHz Emis		эра ер 100.0 m	
sG gilent Spec R L		SA AC 0000 GHz	URIOUS NVN	NT BLE 1M 24	02MHz Emis Alignauto Avg Type	sion : Log-Pwr	ep 100.0 m	58 AM May 08, 20 TRACE 1 2 3 4 3
sG gilent Spec R L	100 kHz trum Analyzer - Swept RF 50 Ω	SA AC 0000 GHz P	urious NVN	NT BLE 1M 24	02MHz Emis	sion : Log-Pwr	ep 100.0 m	58 AM May 08, 20 TRACE 1 2 3 4 3 TYPE MWWW DET P N N N
gilent Spec RL ienter f	100 kHz trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 c	SA AC 00000 GHz IFr IB	URIOUS NVN	NT BLE 1M 24 E:PULSE	02MHz Emis Alignauto Avg Type	sion : Log-Pwr	ep 100.0 m 09:36: Mkr1 2.4	58 AM May 08, 20 TRACE 1 2 3 4 1 TYPE M WWW DET P N N N
gilent Spec RL Center F	100 kHz trum Analyzer - Swept RF 50 Ω Freq 13.26500	SA AC 00000 GHz IFr IB	URIOUS NVN	NT BLE 1M 24 E:PULSE	02MHz Emis Alignauto Avg Type	sion : Log-Pwr	ep 100.0 m 09:36: Mkr1 2.4	58 AM May 08, 20 TRACE 1 2 3 4 1 TYPE M WWW DET P N N N
gilent Spec RL Center F	100 kHz trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 c	SA AC 00000 GHz IFr IB	URIOUS NVN	NT BLE 1M 24 E:PULSE	02MHz Emis Alignauto Avg Type	sion : Log-Pwr	ep 100.0 m 09:36: Mkr1 2.4	58 AM May 08, 20 58 AM May 08, 20 TRACE 12 3 4 4 TYPE MWMMM 0ET P NNN1 102 6 GH .185 dB1
gilent Spec RL enter F 500 9.50	100 kHz trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 c	SA AC 00000 GHz IFr IB	URIOUS NVN	NT BLE 1M 24 E:PULSE	02MHz Emis Alignauto Avg Type	sion : Log-Pwr	ep 100.0 m 09:36: Mkr1 2.4	n 1.500 MH is (1001 pt 58 AM May 08, 20 TRACE 1 2 3 4 5 TYPE MWWW bet P NNN 102 6 GH .185 dBt
gilent Spec: RL eenter F 500 9,50 9,50 19,5 29,5	100 kHz trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 c	SA AC 00000 GHz IFr IB	URIOUS NVN	NT BLE 1M 24 E:PULSE	02MHz Emis Alignauto Avg Type	sion : Log-Pwr	ep 100.0 m 09:36: Mkr1 2.4	58 AM May 08, 20 58 AM May 08, 20 TRACE 12 3 4 4 TYPE MWMMM 0ET P NNN1 102 6 GH .185 dB1
odd Billent Spect RL Eenter F Senter F Senter F 0 00 9 500 9 <tr< td=""><td>100 kHz trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 c</td><td>SA AC P IF1 B Sm</td><td>URIOUS NVN</td><td>NT BLE 1M 24 E:PULSE</td><td>02MHz Emis Alignauto Avg Type</td><td>sion : Log-Pwr</td><td>ep 100.0 m 09:36: Mkr1 2.4</td><td>58 AM May 08, 20 58 AM May 08, 20 TRACE 12 3 4 4 TYPE MWMMM 0ET P NNN1 102 6 GH .185 dB1</td></tr<>	100 kHz trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 c	SA AC P IF1 B Sm	URIOUS NVN	NT BLE 1M 24 E:PULSE	02MHz Emis Alignauto Avg Type	sion : Log-Pwr	ep 100.0 m 09:36: Mkr1 2.4	58 AM May 08, 20 58 AM May 08, 20 TRACE 12 3 4 4 TYPE MWMMM 0ET P NNN1 102 6 GH .185 dB1
odd control 0 cdd/div 0 cd/div 0 cd/div 0 cd/div 0 cd/div 0 cd/div 0	100 kHz trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 c Ref 10.50 dE	SA AC P IF1 B ITM AC AC AC AC AC AC AC AC AC AC	Urious NVN Sens NO: Fast ↔ Gain:Low	VT BLE 1M 24	02MHz Emis: ALIGNAUTO Avg Type Avg Hold:	sion Log-Pwr 10/10	09:36: Mkr1 2.4 -5	58 AM May 08, 20 58 AM May 08, 20 TRACE 12 3 4 4 TYPE MWMMM 0ET P NNN1 102 6 GH .185 dB1
SG Bill glient Spect RL center I R 0 dB/div S 950	trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 d Ref 10.50 dE	SA AC DOUDO GHZ P IFI B Sm	NO: Fast +- Gain:Low	VT BLE 1M 24	ALIGNAUTO Avg Type Avg Hold:	sion Log-Pwr 10/10	09:36: Mkr1 2.4 -5	58 AM May 08, 20 58 AM May 08, 20 TRACE 12 3 4 4 TYPE MWMMM 0ET P NNN1 102 6 GH .185 dB1
O GB/div 0 0 <td>100 kHz trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 c Ref 10.50 dE</td> <td>SA AC DOUDO GHZ P IFI B Sm</td> <td>NO: Fast +- Gain:Low</td> <td>VT BLE 1M 24</td> <td>ALIGNAUTO Avg Type Avg Hold:</td> <td>sion Log-Pwr 10/10</td> <td>09:36: Mkr1 2.4 -5</td> <td>SEAM May 08, 20 TRACE 12345 DET P NNNT 0026 GH .185 dBi</td>	100 kHz trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 c Ref 10.50 dE	SA AC DOUDO GHZ P IFI B Sm	NO: Fast +- Gain:Low	VT BLE 1M 24	ALIGNAUTO Avg Type Avg Hold:	sion Log-Pwr 10/10	09:36: Mkr1 2.4 -5	SEAM May 08, 20 TRACE 12345 DET P NNNT 0026 GH .185 dBi
SG Sector gilent Spect RL center F Sector Sector	100 kHz trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 c Ref 10.50 dE	SA AC DOUDO GHZ P IFI B Sm	Urious NVN SENS NO: Fast ++- Gain:Low	VT BLE 1M 24	ALIGNAUTO Avg Type Avg Hold:	Sion Log-Pwr 10/10	09:36: Mkr1 2.4 -5	58 AM May 08, 20 TRACE 12 3 4 5 TYPE MANN DET P NNN 402 6 GH . 185 dBi
C dB/div RL Center F C dB/div Senter F Senter F	/ 100 kHz trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 d Ref 10.50 dE 1 1 1 1 1 1 1 1 1 1 1 1 1	SA AC DOUDO GHZ P IF4 B Sm 2 2 2 2 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Urious NVN	VT BLE 1M 24	ALIGNAUTO Avg Type Avg Hold:	sion Log-Pwr 10/10	09:36: Mkr1 2.4 -5	58 AM May 08, 20 TRACE 12 3 4 5 TYPE MANN DET P NNN 402 6 GH . 185 dBi
SG Signal gilent Spect RL center F Sector 39 Sector 9,50	J 100 kHz trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 c Ref 10.50 dE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SA AC DO000 GHz P IF1 B Sm 	Urious NVN SENS NO: Fast +- Gain:Low 5 food in division of the division of #VBW	VT BLE 1M 24	02MHz Emis: ALIGN AUTO Avg Type Avg Hold:	sion Log-Pwr 10/10	09:36: Mkr1 2.4 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	58 AM May 08, 20 TRACE 12 3 4 5 TYPE MANN DET P NNN 402 6 GH . 185 dBi
SG SG gilent Spec RL center F Senter F 0 GB/div 0 9 500	J 100 kHz trum Analyzer - Swept RF 50 α Freq 13.26500 Ref Offset 0.5 c Ref 10.50 dE 1 1 MHz V 100 kHz Freg Scu 1 1 1	SA AC D0000 GHz P IF1 B Im 2 4 AC P IF1 AC AC P IF1 AC AC AC AC AC AC AC AC AC AC	Urious NVN SEME NO: Fast + Gain:Low 5 4 4 49.028 d 49.028 d 49.028 d 49.028 d 49.028 d	VT BLE 1M 24	02MHz Emis: ALIGN AUTO Avg Type Avg Hold:	sion Log-Pwr 10/10	09:36: Mkr1 2.4 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	58 AM May 08, 20 TRACE 12 3 4 5 TYPE MANN DET P NNN 402 6 GH . 185 dBi
SG SG glient Spect RL center F Sector 0 dB/div 0 350 0	I 100 kHz trum Analyzer - Swept RF 50 2 Freq 13.26500 Ref Offset 0.5 d Ref 10.50 dE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SA AC DO000 GHz P IFI B IFI B IFI AC AC P IFI AC AC AC AC AC AC AC AC AC AC	Urious NVN SENE NO: Fast +- Gain:Low 5 (unit) to the sene to the senet to t	VT BLE 1M 24	02MHz Emis: ALIGN AUTO Avg Type Avg Hold:	sion Log-Pwr 10/10	09:36: Mkr1 2.4 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	58 AM May 08, 20 TRACE 12 3 4 5 TYPE MANN DET P NNN 402 6 GH . 185 dBi
SG SG gilent Spect RL center I SG 500 SG 93 SG 94 N 95 N 95 SG 9 SG	J 100 kHz trum Analyzer - Swept RF 50 α Freq 13.26500 Ref Offset 0.5 c Ref 10.50 dE 1 1 MHz V 100 kHz Freg Scu 1 1 1	SA AC D0000 GHz P IF1 B Im 2 4 AC P IF1 AC AC P IF1 AC AC AC AC AC AC AC AC AC AC	Urious NVN SEME NO: Fast + Gain:Low 5 4 4 49.028 d 49.028 d 49.028 d 49.028 d 49.028 d	VT BLE 1M 24	02MHz Emis: ALIGN AUTO Avg Type Avg Hold:	sion Log-Pwr 10/10	09:36: Mkr1 2.4 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	58 AM May 08, 20 TRACE 12 3 4 5 TYPE MANN DET P NNN 402 6 GH . 185 dBi
SG Billing Spectrum gilent Spectrum RL RL center I Second Second 500 Second Second 9,50 Second Second 10 N Second 11 N Second 12 N Second	J 100 kHz trum Analyzer - Swept RF 50 α Freq 13.26500 Ref Offset 0.5 c Ref 10.50 dE 1 1 MHz V 100 kHz Freg Scu 1 1 1	SA AC D0000 GHz P IF1 B Im 2 4 AC P IF1 AC AC P IF1 AC AC AC AC AC AC AC AC AC AC	Urious NVN SEME NO: Fast + Gain:Low 5 4 4 49.028 d 49.028 d 49.028 d 49.028 d 49.028 d	VT BLE 1M 24	02MHz Emis: ALIGN AUTO Avg Type Avg Hold:	sion Log-Pwr 10/10	09:36: Mkr1 2.4 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	58 AM May 08, 20 TRACE 12 3 4 5 TYPE MANN DET P NNN 402 6 GH . 185 dBi

Shenzhen STS Test Services Co., Ltd.



Page 55 of 57 Report No.: STS2204202W02

	trum Analyzer - Swept			N R CEL				
	RF 50 Ω Freq 2.440000		SENSE:F	PULSE	ALIGNAUTO Avg Type: I	.og-Pwr	т	3 AM May 08, 20 RACE <u>1 2 3 4 </u> 5
		PN		rig: Free Run Atten: 20 dB	Avg Hold: 10	00/100		DET P N N N
0 dB/div	Ref Offset 0.5 d Ref 10.50 dB					Mkr	1 2.440 0 0.	03 0 GH 209 dB
°g				. 1				
500								
						man and a second		
9.50								
19.5								
29.5								~~~
39.5								
49.5								
59.5								
69.5								
9.5								
	.4400000 GHz							1.500 MI
ŝG	/ 100 kHz	TH Cr		00 kHz	STATUS		p 100.0 m	s (1001 pi
<mark>jilent Spec</mark> R L	<mark>trum Analyzer - Swept</mark> RF 50 Ω	AC		BLE 1M 24	40MHz Emissi	on	09:40:24	3 AM May 08, 20
gilent Spec	trum Analyzer - Swept	AC 0000 GHz		BLE 1M 24	40MHz Emissi	ON .og-Pwr	о9:40:21 Т	3 AM May 08, 20 RACE 1 2 3 4 1
gilent Spec RL Center F	trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 d	SA AC 0000 GHz P IF(URIOUS NVNT	BLE 1M 24	40MHz Emissi Alignauto Avg Type: I	ON .og-Pwr		BAM May DB, 20 RACE 1 2 3 4 TYPE MWWWW DET P NNN DET P NNN 40 5 GH
gilent Spec RL Senter F 0 dB/div	trum Analyzer - Swept RF 50 Ω Freq 13.26500	SA AC 0000 GHz P IF(URIOUS NVNT	BLE 1M 24	40MHz Emissi Alignauto Avg Type: I	ON .og-Pwr		BAM May DB, 20 RACE 1 2 3 4 TYPE MWWWW DET P NNN DET P NNN 40 5 GH
o dB/div	trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 d	SA AC 0000 GHz P IF(URIOUS NVNT	BLE 1M 24	40MHz Emissi Alignauto Avg Type: I	ON .og-Pwr		BAM May DB, 20 RACE 1 2 3 4 TYPE MWWWW DET P NNN DET P NNN 40 5 GH
cilent Spec RL Center F OdB/div 99	trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 d	SA AC 0000 GHz P IF(URIOUS NVNT	BLE 1M 24	40MHz Emissi Alignauto Avg Type: I	ON .og-Pwr		BAM May 08, 20 RACE 12 3 4 TYPE MWWW DET P N N N 40 5 GH 863 dBI
C dB/div 0 dB/div 0 dB/div 0 dB/div 0 dB/div 0 dB/div 0 dB/div 0 dB/div 0 dB/div 0 dB/div	trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 d	SA AC 0000 GHz P IF(URIOUS NVNT	BLE 1M 24	40MHz Emissi Alignauto Avg Type: I	ON .og-Pwr		BAM May 08, 20 RACE 12 3 4 TYPE MWWW DET P N N N 40 5 GH 863 dBI
O dB/div 0 3.50 9	trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 d	SA AC 0000 GHz P IF(URIOUS NVNT	BLE 1M 24	40MHz Emissi Alignauto Avg Type: I	ON .og-Pwr		BAM May 08, 20 RACE 12 3 4 TYPE MWWW DET P N N N 40 5 GH 863 dBI
O dB/div 0 dB/div 0 3.50 9.50	trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 d	SA AC 0000 GHz P IF(URIOUS NVNT	TBLE 1M 24	40MHz Emissi Alignauto Avg Type: AvgHoid: 10	on .og.Pwr Wło	09:40:2: T Mkr1 2.4 -7.	2 AM May OB, 2C AM AY OB, 2C AM A
O dB/div 9 9 9.50 <td< td=""><td>trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 d</td><td>SA AC 0000 GHz P IF(</td><td>URIOUS NVNT</td><td>TBLE 1M 24</td><td>40MHz Emissi Alignauto Avg Type: I</td><td>on og-Pwr i/10</td><td>09:40:21 T Mkr1 2.4 -7.</td><td>2 AM May OB, 2C AM AY OB, 2C AM A</td></td<>	trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 d	SA AC 0000 GHz P IF(URIOUS NVNT	TBLE 1M 24	40MHz Emissi Alignauto Avg Type: I	on og-Pwr i/10	09:40:21 T Mkr1 2.4 -7.	2 AM May OB, 2C AM AY OB, 2C AM A
gilent Spect RL center F 500 9.50 9.50 9.50 9.50 9.50 9.50 533.5 59.5 59.5 59.5	trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 d Ref 10.50 dE	SA AC P IFG BB Sm	URIOUS NVNT	BLE 1M 24	40MHz Emissi Alignauto Avg Type: AvgHoid: 10	on .og.Pwr Wło	09:40:21 T Mkr1 2.4 -7.	2 AM May OB, 20 ARACE 11 2 3 4 PNNN1 40 5 GH 863 dB1 -1979 dl
O GB/div 0 GB/div <td>trum Analyzer - Swept</td> <td>SA AC P IFG BB Sm</td> <td>UTIOUS NVNT</td> <td>BLE 1M 24</td> <td>40MHz Emissi Alignauto Avg Type: AvgHoid: 10</td> <td>on og-Pwr i/10</td> <td>09:40:22 T Mkr1 2.4 -7.</td> <td>SAM May 08, 22 RACE 11 2 3 4 H PERFINANCE DET P N N N 1 40 5 GH 863 dB1 </td>	trum Analyzer - Swept	SA AC P IFG BB Sm	UTIOUS NVNT	BLE 1M 24	40MHz Emissi Alignauto Avg Type: AvgHoid: 10	on og-Pwr i/10	09:40:22 T Mkr1 2.4 -7.	SAM May 08, 22 RACE 11 2 3 4 H PERFINANCE DET P N N N 1 40 5 GH 863 dB1
Odd Odd <thodd< th=""> <thodd< th=""> <thodd< th=""></thodd<></thodd<></thodd<>	trum Analyzer - Swept	SA AC P IFG BB Sm	UTIOUS NVNT	BLE 1M 24	40MHz Emissi Alignauto Avg Type: AvgHoid: 10	on .og-Pwr h/10	09:40:22 T Mkr1 2.4 -7.	24M May 08, 20 RACE 12 3 4 P N N N DET P N N N 40 5 GH 863 dB -1979 d -1979 d -2 26.50 GH
gilent Spec RL Center F Code/div Second Code/div <	trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 d Ref 10.50 dB 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4	SA AC P IFG BB Sm		BLE 1M 24	40MHz Emissi Alignauto Avg Type: AvgHoid: 10	on .og.Pwr //10	09:40:21 T Mkr1 2.4 -7.	24M May 09, 20 RACE 12 3 4 PNN 12 4 PNN 12 3 4 PNN 12 4 P
Old Old Cold Cold Cold	trum Analyzer - Swept RF 50 Ω Freq 13.26500 Ref Offset 0.5 d Ref 10.50 dB 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4	SA AC P IF (B Sm 	Urious NVNT	BLE 1M 24		on .og.Pwr //10	09:40:21 T Mkr1 2.4 -7.	24M May 08, 20 RACE 12 3 4 P N N N DET P N N N 40 5 GH 863 dB -1979 d -1979 d -2 26.50 GH
gilent Spect RL Center I O dB/div 9 0 </td <td>trum Analyzer - Swept</td> <td>SA AC P IF0 B SM 3 3 4 2.440 5 GHz 24.278 3 GHz 24.278 3 GHz 24.278 3 GHz</td> <td>Urious NVNT</td> <td>BLE 1M 24</td> <td></td> <td>on .og.Pwr //10</td> <td>09:40:21 T Mkr1 2.4 -7.</td> <td>24M May 08, 20 RACE 12 3 4 P N N N DET P N N N 40 5 GH 863 dB -1979 d -1979 d -2 26.50 GH</td>	trum Analyzer - Swept	SA AC P IF0 B SM 3 3 4 2.440 5 GHz 24.278 3 GHz 24.278 3 GHz 24.278 3 GHz	Urious NVNT	BLE 1M 24		on .og.Pwr //10	09:40:21 T Mkr1 2.4 -7.	24M May 08, 20 RACE 12 3 4 P N N N DET P N N N 40 5 GH 863 dB -1979 d -1979 d -2 26.50 GH
RL Center I Code/div O dB/div O g Start 30 Grant Mode N 2 N 2 N N N N N N N N N N N N N N N N N N N	trum Analyzer - Swept RF 50 Ω Freq 13.265000 Ref Offset 0.5 d Ref 10.50 dE 1 1 4 4 4 5 5 6 6 6 6 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1	SA AC DO000 GHz P IFO BB SM C SM P P SM P SM P SM SM SM SM SM SM SM SM SM SM	Urious NVNT SENSE: NO: Fast	BLE 1M 24		on .og.Pwr //10	09:40:21 T Mkr1 2.4 -7.	24M May 08, 20 RACE 12 3 4 P N N N DET P N N N 40 5 GH 863 dB -1979 d -1979 d -2 26.50 GH
gilent Spec RL enter I 0.dB/div 0.950 9.51 9.51 9.51 9.51 9.51 9.75 9.75 9.75 9.75 9.75 9.75	trum Analyzer - Swept PF 50 Q Freq 13.26500 Ref Offset 0.5 d Ref 10.50 dE 1 1 MHz V 100 kHz Freg St 1 1 1 1 1 1 1 1 1 1 1 1 1	SA AC DO000 GHz P IFG B B B B C AC P C C C C C C C C C C C C C	Urious NVNT	BLE 1M 24		on .og.Pwr //10	09:40:21 T Mkr1 2.4 -7.	2 AM May 08, 22 3 4 RACE [] 2 3 4 P N N N DET P N N N 40 5 GH 863 dB -1979 d -1979 d 26.50 GH
gilent Spec RL eenter I 600 93 600 93.50 93.50 93.50 93.50 93.50 93.50 93.50 93.50 93.50 93.50 10.50 11 12 13 14 5 6 7 8 9	trum Analyzer - Swept PF 50 Q Freq 13.26500 Ref Offset 0.5 d Ref 10.50 dE 1 1 MHz V 100 kHz Freg St 1 1 1 1 1 1 1 1 1 1 1 1 1	SA AC DO000 GHz P IFG B B B B C AC P C C C C C C C C C C C C C	Urious NVNT	BLE 1M 24		on .og.Pwr //10	09:40:21 T Mkr1 2.4 -7.	2 AM May 08, 22 3 4 RACE [] 2 3 4 P N N N DET P N N N 40 5 GH 863 dB -1979 d -1979 d 26.50 GH
O dB/div 0 0 9 0 <td>trum Analyzer - Swept PF 50 Q Freq 13.26500 Ref Offset 0.5 d Ref 10.50 dE 1 1 MHz V 100 kHz Freg St 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>SA AC DO000 GHz P IFG B B B B C AC P C C C C C C C C C C C C C</td> <td>Urious NVNT</td> <td>BLE 1M 24</td> <td></td> <td>on .og.Pwr //10</td> <td>09:40:21 T Mkr1 2.4 -7.</td> <td>24M May 08, 21 RACE 12 34 TYPE Museum DET P NNN 40 5 GH 863 dB </td>	trum Analyzer - Swept PF 50 Q Freq 13.26500 Ref Offset 0.5 d Ref 10.50 dE 1 1 MHz V 100 kHz Freg St 1 1 1 1 1 1 1 1 1 1 1 1 1	SA AC DO000 GHz P IFG B B B B C AC P C C C C C C C C C C C C C	Urious NVNT	BLE 1M 24		on .og.Pwr //10	09:40:21 T Mkr1 2.4 -7.	24M May 08, 21 RACE 12 34 TYPE Museum DET P NNN 40 5 GH 863 dB



Page 56 of 57 Report No.: STS2204202W02

	trum Analyzer - Swep RF 50 Ω		CENC				00.53.	10 AM M 00, 00
	req 2.480000			E:PULSE	ALIGNAUTO Avg Type:		09:53:	10 AM May 08, 20 TRACE 1 2 3 4 5 TYPE M WAAWA
	•		NO: Wide ↔↔ Gain:Low	Trig: Free Run #Atten: 20 dB	Avg Hold: ′	100/100		DET P N N N
) dB/div	Ref Offset 0.5 c Ref 10.50 dE					Mk	r1 2.480 (0	000 0 GH 0.116 dB
				1				
500				\sim				
9.50						man and a second		
9.5								
9.5								
9.5								
19.5								
i9.5								
i9.5								
0.0								
9.5								
	100 kHz			300 kHz IT BLE 1M 24	status 180MHz Emiss		Spai ep 100.0 m	ıs (1001 p
gilent Spect	trum Analyzer - Swep RF 50 ລ Freq 13.26500	AC 00000 GHz	urious NVN	IT BLE 1M 24	480MHz Emiss Alignauto Avg Type:	sion Log-Pwr	ep 100.0 m	21 AM May 08, 21 TRACE 1 2 3 4
gilent Spect	<mark>trum Analyzer - Swep</mark> RF 50 Ω	t SA AC 00000 GHz	urious NVN	IT BLE 1M 24	480MHz Emiss	sion Log-Pwr	ep 100.0 m 09:53:2	21 AM May 08, 20 TRACE 1 2 3 4 TYPE M WWWM DET P N N N
gilent Spect RL enter F	rum Analyzer - Swep RF 50 Ω Freq 13.26500 Ref Offset 0.5 0	t SA AC 00000 GHz P IF1 dB	URIOUS NVN	IT BLE 1M 24	480MHz Emiss Alignauto Avg Type:	sion Log-Pwr	ep 100.0 m 09:53: Mkr1 2.4	21 AM May 08, 21 TRACE 1 2 3 4 TYPE M WWWW DET P N N N ISO 2 GH
enter F enter F o dB/div	irum Analyzer - Swep RF 50 ຊ Freq 13.26500	t SA AC 00000 GHz P IF1 dB	URIOUS NVN	IT BLE 1M 24	480MHz Emiss Alignauto Avg Type:	sion Log-Pwr	ep 100.0 m 09:53: Mkr1 2.4	21 AM May 08, 20 TRACE 1 2 3 4 TYPE M M M M DET P N N N ISO 2 GH
RL enter F 0 dB/div 9 500	rum Analyzer - Swep RF 50 Ω Freq 13.26500 Ref Offset 0.5 0	t SA AC 00000 GHz P IF1 dB	URIOUS NVN	IT BLE 1M 24	480MHz Emiss Alignauto Avg Type:	sion Log-Pwr	ep 100.0 m 09:53: Mkr1 2.4	21 AM May 08, 21 TRACE 1 2 3 4 TYPE M WWWW DET P N N N ISO 2 GH
enter F enter F o dB/div	rum Analyzer - Swep RF 50 Ω Freq 13.26500 Ref Offset 0.5 0	t SA AC 00000 GHz P IF1 dB	URIOUS NVN	IT BLE 1M 24	480MHz Emiss Alignauto Avg Type:	sion Log-Pwr	ep 100.0 m 09:53: Mkr1 2.4	21 AM May 08, 22 TRACE 12 3 4 TYPE M NNN DET P N N N 180 2 GH .967 dB
gilent Spect RL enter F 0 dB/div 0 9 500	rum Analyzer - Swep RF 50 Ω Freq 13.26500 Ref Offset 0.5 0	t SA AC 00000 GHz P IF1 dB	URIOUS NVN	IT BLE 1M 24	480MHz Emiss Alignauto Avg Type:	sion Log-Pwr	ep 100.0 m 09:53: Mkr1 2.4	21 AM May 08, 22 TRACE 12 3 4 TYPE M NNN DET P N N N 180 2 GH .967 dB
O dB/div 0 3.50 9	rum Analyzer - Swep RF 50 Ω Freq 13.26500 Ref Offset 0.5 0	t SA AC 00000 GHz P IF1 dB	URIOUS NVN	IT BLE 1M 24	480MHz Emiss Alignauto Avg Type:	sion Log-Pwr	ep 100.0 m 09:53: Mkr1 2.4	21 AM May 08, 22 TRACE 12 3 4 TYPE M NNN DET P N N N 180 2 GH .967 dB
O dB/div 9 9 9.50 <td< td=""><td>rum Analyzer - Swep RF 50 Ω Freq 13.26500 Ref Offset 0.5 0</td><td>t SA AC 00000 GHz P IF1 dB</td><td>URIOUS NVN</td><td>IT BLE 1M 24</td><td>480MHz Emiss</td><td>Log-Pwr 10/10</td><td>09:53: 09:53: Mkr1 2.4 -5</td><td>21 AM May 08, 20 TRACE [2 3 4 4 TYPE MAANA DET P N NN 180 2 GH .967 dB .967 dB</td></td<>	rum Analyzer - Swep RF 50 Ω Freq 13.26500 Ref Offset 0.5 0	t SA AC 00000 GHz P IF1 dB	URIOUS NVN	IT BLE 1M 24	480MHz Emiss	Log-Pwr 10/10	09:53: 09:53: Mkr1 2.4 -5	21 AM May 08, 20 TRACE [2 3 4 4 TYPE MAANA DET P N NN 180 2 GH .967 dB .967 dB
O dB/div 99 99 99 99 99 99 99 99 99 99 99 99 99 99 99 99 99 99 99 99 99 99 99 90 99 90 99 90 99 90 90 90 91 90 92 90 93 90 93 90 93 90 93 90 93 90 93 90 93 90 93 90 93 90 93 90 93 90 93 90 93 90 93 90 93 90 93	rum Analyzer - Swep RF 50 Ω Freq 13.26500 Ref Offset 0.5 0	t SA AC 00000 GHz P IF1 dB	URIOUS NVN	IT BLE 1M 24	480MHz Emiss	Log-Pwr 10/10	09:53: 09:53: Mkr1 2.4 -5	21 AM May 08, 20 TRACE 1 2 3 4 4 TYPE MANNA DET P N N N 180 2 GH .967 dB .967 dB
gitent Spect RL enter F 0 dB/div 0	rum Analyzer - Swep RF 50 Ω Freq 13.26500 Ref Offset 0.5 Ref 10.50 df	tsA AC D00000 GHz P IFr dB Bm ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	URIOUS NVN	IT BLE 1M 24	480MHz Emiss	Log-Pwr 10/10	09:53: 09:53: Mkr1 2.4 -5	21 AM May 08, 20 TRACE [2 3 4 4 TYPE MAANA DET P N NN 180 2 GH .967 dB .967 dB
God Bit 0 dB/div 0 3 0 3 0 3 0 3 19.5 3 30.5 3 30.5 3 30.5 3 30.5 3	rum Analyzer - Swep RF 50 Ω req 13.26500 Ref Offset 0.5 Ref 10.50 dB 1 1 1 1 1 1 1 1 1 1 1 1 1	tsA AC D00000 GHz P IFr dB Bm ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	URIOUS NVN	IT BLE 1M 24	480MHz Emiss	Log-Pwr 10/10	09:53: Mkr1 2.4 -5	21 AM May 08, 20 TRACE 1 2 3 4 4 DET P N N B80 2 GF .967 dB .967 dB
gilent Spect RL enter F 0 dB/div 9 g 500 9 g <td>rum Analyzer - Swep RF 50 Ω req 13.26500 Ref Offset 0.5 Ref 10.50 dB 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>tsA AC D00000 GHz P IFr dB Bm ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓</td> <td>UTIOUS NVN</td> <td>IT BLE 1M 24</td> <td>480MHz Emiss</td> <td>Log-Pwr Io/10</td> <td>09:53: Mkr1 2.4 -5</td> <td>21 AM May 08, 2C TRACE 1 2 3 4 4 TYPE M WAMAN DET P N N N 180 2 GF .967 dB 19.88 d 19.88 d</td>	rum Analyzer - Swep RF 50 Ω req 13.26500 Ref Offset 0.5 Ref 10.50 dB 1 1 1 1 1 1 1 1 1 1 1 1 1	tsA AC D00000 GHz P IFr dB Bm ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	UTIOUS NVN	IT BLE 1M 24	480MHz Emiss	Log-Pwr Io/10	09:53: Mkr1 2.4 -5	21 AM May 08, 2C TRACE 1 2 3 4 4 TYPE M WAMAN DET P N N N 180 2 GF .967 dB 19.88 d 19.88 d
gilent Spect RL enter F 93 93 93 93 93 93 93 93 93 93 93 94 95 96 97	rum Analyzer - Swep RF 50 Ω Freq 13.26500 Ref Offset 0.5 d Ref 10.50 df 1 1 1 1 1 1 1 1 1 1 1 1 1	ESA AC P PFI dB 3m	Urious NVN	IT BLE 1M 24	480MHz Emiss	sion Log-Pwr 10/10 #Sweep	ep 100.0 m 09:53: Mkr1 2.4 -5	21 AM May 08, 2C TRACE 1 2 3 4 TYPE M WAY DET P N N N 180 2 GF .967 dB1 .967 dB1 .977 dB1 .97
Old B 0 dB/div 0 30 0 30 0 30 3.50 30.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.6 39.5 39.6 39.5 39.6 39.5 39.6 39.5 39.6 39.5 39.6 39.5 39.6 39.5 39.6 39.5 39.7 39.5<	rum Analyzer - Swep RF 50 Ω req 13.26500 Ref Offset 0.5 d Ref 10.50 dB 1 1 1 1 1 1 1 1 1 1 1 1 1	ESA AC D0000 GHz P IFI dB 3m ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	Urious NVN Serva NO: Fast ++- Gain:Low 5 #VBW	IT BLE 1M 24	480MHz Emiss	sion Log-Pwr 10/10 #Sweep	09:53: 09:53: Mkr1 2.4 -5	21 AM May DB, 2C TRACE 1 2 3 4 4 DET P N NN B80 2 GF .967 dB 19.88 d 19.88 d 19.88 d 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
glient Spect RL enter F 0 dB/div 9 g 0 dB/div 9 g 9	rum Analyzer - Swep RF 50 Ω req 13.26500 Ref Offset 0.5 dB 1 1 1 MHz 100 kHz 1 1 1 1 1 1 1 1 1 1 1 1 1	ESA AC D0000 GHz P IFI dB 3m 4 3m 2.480 2 GHz 2.480 2 GHz 2.480 2 GHz 2.5.270 9 GHz 4.961 4 GHz	Urious NVN SENSI NO: Fast Gain:Low 	IT BLE 1M 24	480MHz Emiss	sion Log-Pwr 10/10 #Sweep	09:53: 09:53: Mkr1 2.4 -5	21 AM May DB, 2C TRACE 1 2 3 4 4 DET P N NN B80 2 GF .967 dB 19.88 d 19.88 d 19.88 d 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
glient Spect RL enter F 0 dB/div 9 g 0 dB/div 9 g 9	rum Analyzer - Swep RF 50 Ω Freq 13.26500 Ref Offset 0.5 d Ref 10.50 df 1 1 1 1 1 1 1 1 1 1 1 1 1	ESA AC D00000 GHz P IFI dB Bm ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	Urious NVN	IT BLE 1M 24	480MHz Emiss	sion Log-Pwr 10/10 #Sweep	09:53: 09:53: Mkr1 2.4 -5	21 AM May DB, 2C TRACE 1 2 3 4 4 DET P N NN B80 2 GF .967 dB 19.88 d 19.88 d 19.88 d 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
glient Spect RL enter F 0 dB/div 9 g 0 dB/div 9 g 9	rum Analyzer - Swep RF 50 Ω req 13.26500 Ref Offset 0.5 dB 1 1 1 MHz 100 kHz 1 1 1 1 1 1 1 1 1 1 1 1 1	ESA AC D0000 GHz P IFI dB 3m 4 3m 2.480 2 GHz 2.480 2 GHz 2.480 2 GHz 2.5.270 9 GHz 4.961 4 GHz	Urious NVN SENSI NO: Fast Gain:Low 	IT BLE 1M 24	480MHz Emiss	sion Log-Pwr 10/10 #Sweep	09:53: 09:53: Mkr1 2.4 -5	21 AM May 08, 2C TRACE 1 2 3 4 TYPE M WAY DET P N N N 180 2 GF .967 dB1 .967 dB1 .977 dB1 .97
Billent Spect RL enter F 0 dB/div 9 g 600 93.50 93.50 93.50 93.50 93.50 93.50 93.50 93.5 93.5 93.5 93.5 93.5 94.5 95.5 94.5 95.5 94.5 95.5 94.5 95.5 94.5 95.5 94.5 95.5 94.5 95.5 94.5 95.5 94.5 95.5 95.5 96.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5	rum Analyzer - Swep RF 50 Ω req 13.26500 Ref Offset 0.5 dB 1 1 1 MHz 100 kHz 1 1 1 1 1 1 1 1 1 1 1 1 1	ESA AC D0000 GHz P IFI dB 3m 4 3m 2.480 2 GHz 2.480 2 GHz 2.480 2 GHz 2.5.270 9 GHz 4.961 4 GHz	Urious NVN SENSI NO: Fast Gain:Low 	IT BLE 1M 24	480MHz Emiss	sion Log-Pwr 10/10 #Sweep	09:53: 09:53: Mkr1 2.4 -5	21 AM May DB, 2C TRACE 1 2 3 4 4 DET P N NN B80 2 GF .967 dB 19.88 d 19.88 d 19.88 d 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2



APPENDIX 2- EUT TEST PHOTO

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.