

RADIO TEST REPORT

Report No.:STS2205191W01

Issued for

Jasco Products Company LLC

10 E. Memorial Rd., Oklahoma City, OK 73114, USA

Product Name:	8' Enbrighten Seasons Flex Light Indoor/Outdoor WIFI	
Brand Name: Enbrighten		
Model Name:	LVFLO/8/360/28/WF 58085	
Series Model:	N/A	
FCC ID: QOBLVFLOMOD1		
Test Standard: FCC Part 15.247		

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TEST RESULT CERTIFICATION

Applicant's Name:	Jasco Products Company LLC
Address:	10 E. Memorial Rd., Oklahoma City, OK 73114, USA
Manufacturer's Name:	GRE Alpha Electronics Ltd.
Address:	Unit 501, 5/F, No. 16 Science Park West Avenue, Phase 3, Hong Kong Science Park, Shatin, Hong Kong
Product Description	
Product Name:	8' Enbrighten Seasons Flex Light Indoor/Outdoor WIFI
Brand Name:	Enbrighten
Model Name:	LVFLO/8/360/28/WF 58085
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.

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Date of Test

Date of receipt of test item 30 May 2022

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Date of Issue:	13 June 2022
Date (s) of performance of tests:	30 May 2022 ~ 13 June 2022

Test Result..... Pass

Testing Engineer

(Chris Chen)

Technical Manager

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Authorized Signatory :

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(Bovey Yang)



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Revision History

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	13 June 2022	STS2205191W01	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)(2)	6dB Bandwidth	PASS			
15.247 (b)(3)	Output Power	PASS			
15.209	Radiated Spurious Emission PASS -				
15.247 (d)	Conducted Spurious & Band Edge 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.

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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	±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



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	8' Enbrighten Seasons Flex Light Indoor/Outdoor WIFI		
Trade Name	Enbrighten		
Model Name	LVFLO/8/360/28/W	F 58085	
Series Model	N/A		
Model Difference	N/A		
	The EUT is a 8' Ent Indoor/Outdoor WIF Operation		
	Frequency:	2402~2480 MHz	
	Modulation Type:	GFSK	
	Radio Technology:	BLE	
Product Description	Bluetooth		
	Configuration:	LE(Support 1M PHY)	
	Number Of Channel:	40	
	Antenna Designation: Please refer to the Note 3.		
	Antenna Gain (dBi)	0dBi	
Channel List	Please refer to the I	Note 2.	
Rating	Input: AC 120V/60F Output: DC 24V/1A	Iz Max 0.25A	
Hardware version number	V3.0		
Software version number	V.1.0.8		
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.





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	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.	nt. Brand Model Name		Antenna Type	Connector	Gain (dBi)	NOTE	
1	Tuya	CB2S	PCB	N/A	0dBi	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

	Test Case
AC Conducted Emission	Mode 4 : Keeping BT TX

2.3 TEST SOFTWARE AND POWER LEVEL

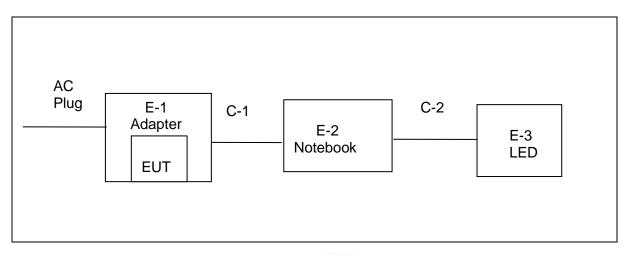
During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level.

RF Function	Туре	Mode Or Modulation type	ANT Gain(dBi)	Power Class	Software For Testing
BLE	BLE	GFSK	0	Default	Wifi Test Tool v1.6.0 release

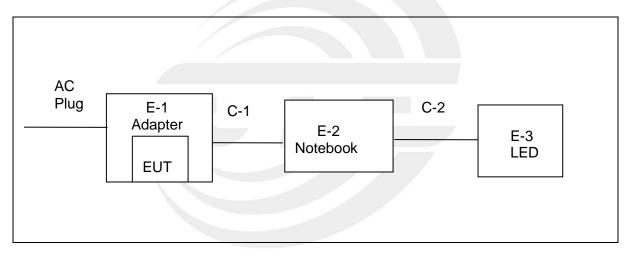


2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated Spurious Emission Test



Conducted Emission Test





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.

Item	Equipment	Mfr/Brand	Model/Type No.	Length	Note
E-1	Adapter	Enbrighten	LVFLO/8/360/28/WF	N/A	N/A
C-2	DC Cable	N/A	N/A	>3m	NO
E-3	LED	N/A	N/A	>3m	N/A
C-1	USB	N/A	N/A	20cm	NO

Support units

Item	Equipment	Mfr/Brand	Model/Type No.	Length	Note
E-2	Personal computer	LENOVO	ThinkPad E470	N/A	N/A

Note:

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



2.6 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)			

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RF Connected Test

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
			MY55520005	2021.09.30	2022.09.29
Power Sensor	Kovoight		MY55520006	2021.09.30	2022.09.29
Power Sensor	Keysight	U2021XA	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)			



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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 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

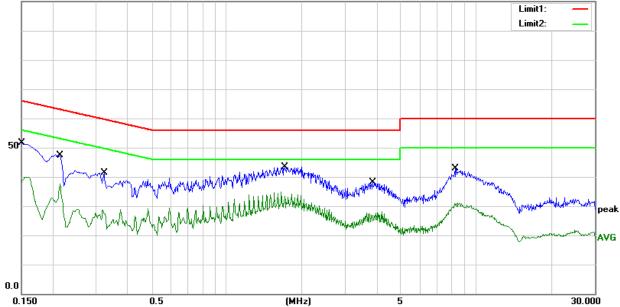
Temperature:	25.4(C)	Relative Humidity:	51%RH
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 4		

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(d B)	(dBuV)	(dBuV)	(dB)	
1	0.1500	31.29	20.33	51.62	66.00	-14.38	QP
2	0.1500	19.67	20.33	40.00	56.00	-16.00	AVG
3	0.2140	27.05	20.37	47.42	63.05	-15.63	QP
4	0.2140	17.22	20.37	37.59	53.05	-15.46	AVG
5	0.3220	20.73	20.70	41.43	59.66	-18.23	QP
6	0.3220	8.25	20.70	28.95	49.66	-20.71	AVG
7	1.7140	23.00	20.30	43.30	56.00	-12.70	QP
8	1.7140	14.49	20.30	34.79	46.00	-11.21	AVG
9	3.8580	17.65	20.40	38.05	56.00	-17.95	QP
10	3.8580	7.67	20.40	28.07	46.00	-17.93	AVG
11	8.2540	22.13	20.84	42.97	60.00	-17.03	QP
12	8.2540	10.30	20.84	31.14	50.00	-18.86	AVG

Remark:

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

100.0 dBuV



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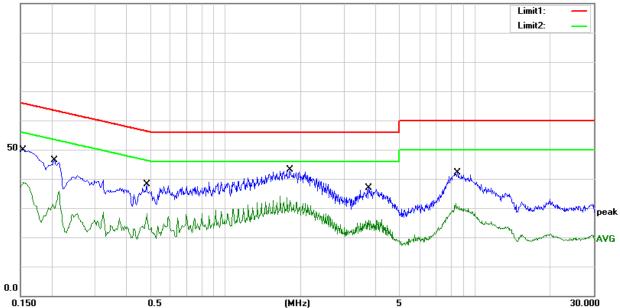
Temperature:	25.4(C)	Relative Humidity:	51%RH
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 4		

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(d B)	(dBuV)	(dBuV)	(dB)	
1	0.1540	29.60	20.30	49.90	65.78	-15.88	QP
2	0.1540	18.53	20.30	38.83	55.78	-16.95	AVG
3	0.2060	25.87	20.42	46.29	63.37	-17.08	QP
4	0.2060	15.53	20.42	35.95	53.37	-17.42	AVG
5	0.4820	17.64	20.50	38.14	56.30	-18.16	QP
6	0.4820	7.58	20.50	28.08	46.30	-18.22	AVG
7	1.8180	22.67	20.38	43.05	56.00	-12.95	QP
8	1.8180	13.72	20.38	34.10	46.00	-11.90	AVG
9	3.7500	16.37	20.49	36.86	56.00	-19.14	QP
10	3.7500	5.56	20.49	26.05	46.00	-19.95	AVG
11	8.5180	21.26	20.76	42.02	60.00	-17.98	QP
12	8.5180	10.77	20.76	31.53	50.00	-18.47	AVG

Remark:

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

100.0 dBuV



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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			

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For Radiated Emission

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

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

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

For Restricted band

Spectrum Parameter	Setting		
Detector	Peak/AV		
Start/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)		

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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

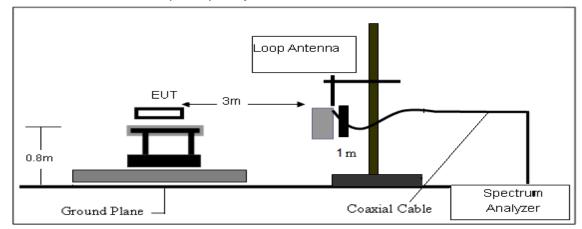
- a. The measuring distance at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 m (above 1GHz is 1.5 m) above the ground at a 3 m anechoic chamber test site. The table was rotated 360 degree to determine the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

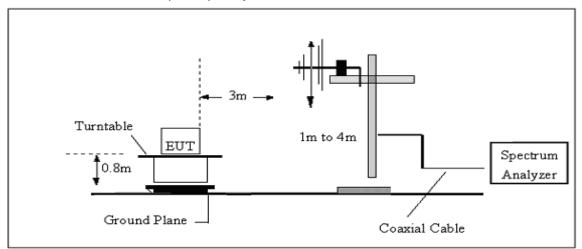


4.3 TEST SETUP

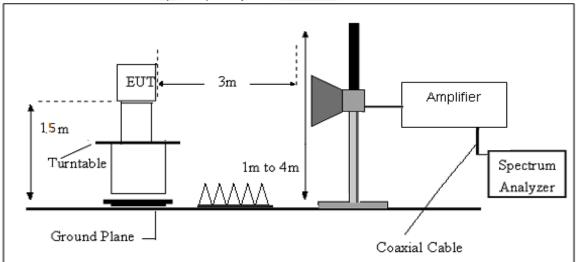
(A) Radiated Emission Test-Up Frequency Below 30MHz

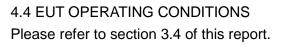


(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



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







4.5 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 - AGWhere 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:	AC 120V/60Hz	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.





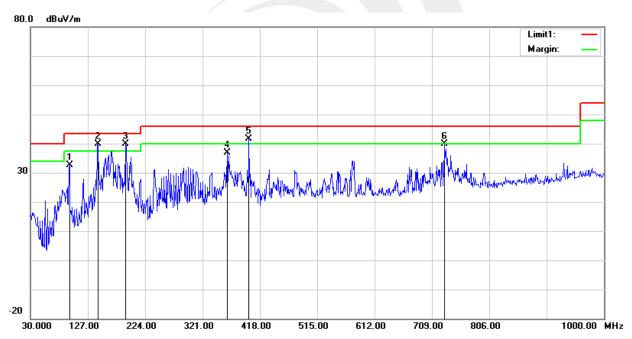
(30MHz -1000MHz)

Temperature:	23.1(C)	Relative Humidity:	60%RH			
Test Voltage:	AC 120V/60Hz	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	53.39	-20.67	32.72	43.50	-10.78	peak
2	144.4600	58.19	-18.29	39.90	43.50	-3.60	peak
3	191.0200	60.99	-21.01	39.98	43.50	-3.52	peak
4	362.7100	49.72	-12.77	36.95	46.00	-9.05	peak
5	399.5700	52.67	-11.16	41.51	46.00	-4.49	peak
6	730.3400	42.24	-2.46	39.78	46.00	-6.22	peak

Remark:

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





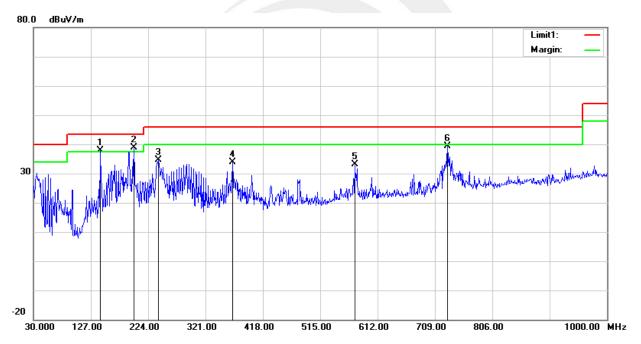
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Temperature:	23.1(C)	Relative Humidity:	60%RH			
Test Voltage:	AC 120V/60Hz	Phase:	Vertical			
Test Mode:	Mode 1/2/3 (Mode 2 worst mode)					

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/ m)	(dBuV/m)	(dBuV/m)	(dB)	
1	143.4900	56.20	-18.23	37.97	43.50	-5.53	peak
2	199.7500	59.88	-21.11	38.77	43.50	-4.73	peak
3	241.4600	52.41	-17.73	34.68	46.00	-11.32	peak
4	366.5900	46.53	-12.62	33.91	46.00	-12.09	peak
5	573.2000	38.75	-5.65	33.10	46.00	-12.90	peak
6	730.3400	41.84	-2.46	39.38	46.00	-6.62	peak

Remark:

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





(1GHz-25GHz) Spurious emission Requirements

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	
				Low Cł	nannel (GFSK/2	2402 MHz)				
3264.63	61.87	44.70	6.70	28.20	-9.80	52.07	74.00	-21.93	PK	Vertical
3264.63	51.65	44.70	6.70	28.20	-9.80	41.85	54.00	-12.15	AV	Vertical
3264.78	61.90	44.70	6.70	28.20	-9.80	52.10	74.00	-21.90	PK	Horizontal
3264.78	50.13	44.70	6.70	28.20	-9.80	40.33	54.00	-13.67	AV	Horizontal
4804.33	59.51	44.20	9.04	31.60	-3.56	55.95	74.00	-18.05	PK	Vertical
4804.33	50.16	44.20	9.04	31.60	-3.56	46.60	54.00	-7.40	AV	Vertical
4804.35	58.81	44.20	9.04	31.60	-3.56	55.25	74.00	-18.75	PK	Horizontal
4804.35	49.42	44.20	9.04	31.60	-3.56	45.86	54.00	-8.14	AV	Horizontal
5359.61	48.00	44.20	9.86	32.00	-2.34	45.66	74.00	-28.34	PK	Vertical
5359.61	39.29	44.20	9.86	32.00	-2.34	36.95	54.00	-17.05	AV	Vertical
5359.63	47.91	44.20	9.86	32.00	-2.34	45.57	74.00	-28.43	PK	Horizontal
5359.63	38.44	44.20	9.86	32.00	-2.34	36.10	54.00	-17.90	AV	Horizontal
7205.79	54.67	43.50	11.40	35.50	3.40	58.07	74.00	-15.93	PK	Vertical
7205.79	44.75	43.50	11.40	35.50	3.40	48.15	54.00	-5.85	AV	Vertical
7205.76	54.14	43.50	11.40	35.50	3.40	57.54	74.00	-16.46	PK	Horizontal
7205.76	44.37	43.50	11.40	35.50	3.40	47.77	54.00	-6.23	AV	Horizontal
				Middle 0	Channel (GFSK	(/2440 MHz)				
3263.10	61.11	44.70	6.70	28.20	-9.80	51.31	74.00	-22.69	PK	Vertical
3263.10	50.54	44.70	6.70	28.20	-9.80	40.74	54.00	-13.26	AV	Vertical
3262.98	62.13	44.70	6.70	28.20	-9.80	52.33	74.00	-21.67	PK	Horizontal
3262.98	51.15	44.70	6.70	28.20	-9.80	41.35	54.00	-12.65	AV	Horizontal
4879.87	58.51	44.20	9.04	31.60	-3.56	54.95	74.00	-19.05	PK	Vertical
4879.87	50.31	44.20	9.04	31.60	-3.56	46.75	54.00	-7.25	AV	Vertical
4879.96	59.53	44.20	9.04	31.60	-3.56	55.97	74.00	-18.03	PK	Horizontal
4879.96	50.09	44.20	9.04	31.60	-3.56	46.53	54.00	-7.47	AV	Horizontal
5357.26	49.08	44.20	9.86	32.00	-2.34	46.73	74.00	-27.27	PK	Vertical
5357.26	39.15	44.20	9.86	32.00	-2.34	36.81	54.00	-17.19	AV	Vertical
5357.39	47.68	44.20	9.86	32.00	-2.34	45.33	74.00	-28.67	PK	Horizontal
5357.02	38.16	44.20	9.86	32.00	-2.34	35.82	54.00	-18.18	AV	Horizontal
7320.85	54.67	43.50	11.40	35.50	3.40	58.07	74.00	-15.93	PK	Vertical
7320.85	44.98	43.50	11.40	35.50	3.40	48.38	54.00	-5.62	AV	Vertical
7320.38	54.09	43.50	11.40	35.50	3.40	57.49	74.00	-16.51	PK	Horizontal
7320.38	44.20	43.50	11.40	35.50	3.40	47.60	54.00	-6.40	AV	Horizontal

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				High Char	nnel (GFSK/	2480 MHz)				
3264.66	62.29	44.70	6.70	28.20	-9.80	52.49	74.00	-21.51	PK	Vertical
3264.66	50.29	44.70	6.70	28.20	-9.80	40.49	54.00	-13.51	AV	Vertical
3264.60	61.32	44.70	6.70	28.20	-9.80	51.52	74.00	-22.48	PK	Horizontal
3264.60	49.99	44.70	6.70	28.20	-9.80	40.19	54.00	-13.81	AV	Horizontal
4960.36	58.96	44.20	9.04	31.60	-3.56	55.40	74.00	-18.60	PK	Vertical
4960.36	49.69	44.20	9.04	31.60	-3.56	46.13	54.00	-7.87	AV	Vertical
4960.59	59.49	44.20	9.04	31.60	-3.56	55.93	74.00	-18.07	PK	Horizontal
4960.59	50.10	44.20	9.04	31.60	-3.56	46.54	54.00	-7.46	AV	Horizontal
5359.73	49.09	44.20	9.86	32.00	-2.34	46.74	74.00	-27.26	PK	Vertical
5359.73	39.15	44.20	9.86	32.00	-2.34	36.81	54.00	-17.19	AV	Vertical
5359.65	48.22	44.20	9.86	32.00	-2.34	45.88	74.00	-28.12	PK	Horizontal
5359.65	39.31	44.20	9.86	32.00	-2.34	36.97	54.00	-17.03	AV	Horizontal
7439.96	53.86	43.50	11.40	35.50	3.40	57.26	74.00	-16.74	PK	Vertical
7439.96	44.95	43.50	11.40	35.50	3.40	48.35	54.00	-5.65	AV	Vertical
7439.78	54.48	43.50	11.40	35.50	3.40	57.88	74.00	-16.12	PK	Horizontal
7439.78	43.56	43.50	11.40	35.50	3.40	46.96	54.00	-7.04	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.

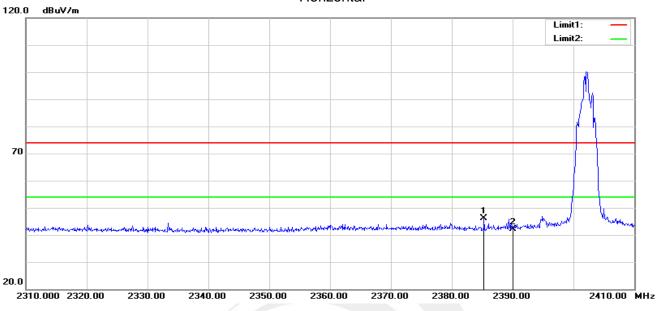




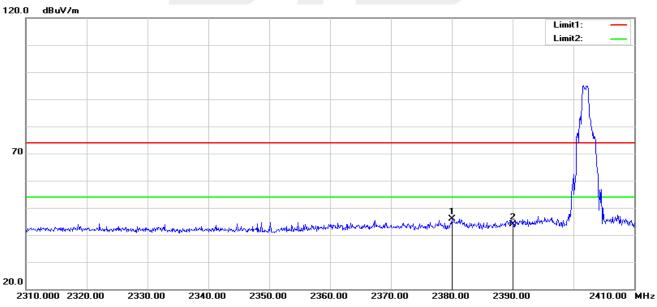
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4.6 TEST RESULTS (Restricted Bands Requirements)

GFSK-Low Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2385.300	41.92	4.27	46.19	74.00	-27.81	peak
2	2390.000	37.71	4.34	42.05	74.00	-31.95	peak



No.	Frequency	Reading	Correct	Result	Result Limit		Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2380.000	41.62	4.19	45.81	74.00	-28.19	peak
2	2390.000	39.46	4.34	43.80	74.00	-30.20	peak

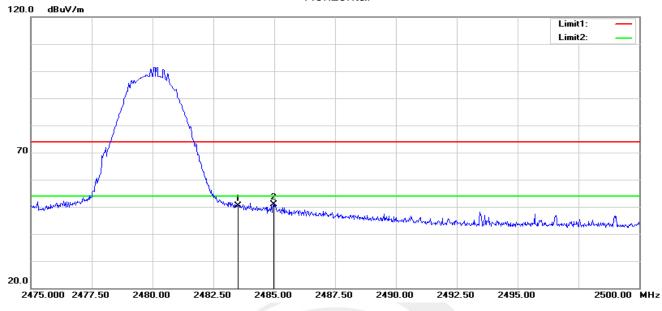
Vertical



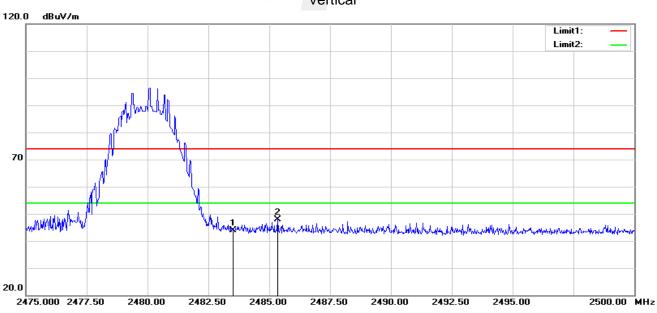
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GFSK-High Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	45.78	4.60	50.38	74.00	-23.62	peak
2	2484.975	46.25	4.61	50.86	74.00	-23.14	peak



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	39.17	4.60	43.77	74.00	-30.23	peak
2	2485.350	43.16	4.61	47.77	74.00	-26.23	peak

Vertical



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
Spectrum Parameter Detector	Setting Peak
Detector	
	Peak
Detector	Peak Lower Band Edge: 2300 – 2407 MHz

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.



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 \geq RBW \geq 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
----------------------	--	-----

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 \times RBW].

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

d) Detector = peak.

e) Sweep time = auto couple.

f) Trace mode = max hold.

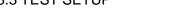
g) Allow trace to fully stabilize.

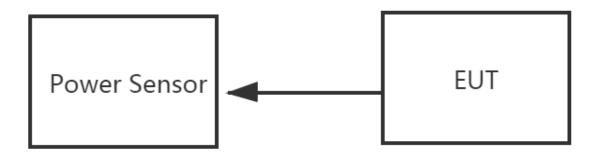
h) Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges (for some instruments, this may require a manual override to select the peak detector). If the instrument does not have a band power function, then sum the spectrum levels (in linear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



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1. Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	100	0	0
NVNT	BLE 1M	2440	100	0	0
NVNT	BLE 1M	2480	100	0	0



Shenzhen STS Test Services Co., Ltd.



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gilent Spec	trum An <u>al</u>	yzer - Swept SA	Duty		IVNT BLE				
RL	RF	50 Ω AC		SEN	ISE:PULSE	ALIGN AUTO Avg Type:	Log-Pwr		5 PM Jun 02, 20
onter 1		-0200000	P	PNO: Fast ↔↔	Trig: Free Run #Atten: 30 dB		• ··		DET P N N N
)ffset 0.5 dB							2.500 m
0 dB/div og	Ref	20.00 dBm							2.60 dBi
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9 0 1									
9 10 11					1.1	STATUS			
9 10 11			Duty	Cycle N	IVNT BLE		1Hz		
9 10 11 3G gilent Spec		yzer - Swept SA			IVNT BLE	1M 2440M	1Hz	1	
9 0 1 3 G gilent Spec R L	RF	50 Ω AC			ISE:PULSE			02:39:3	32 PM Jun 02, 207 IRACE 1 2 3 4
9 0 1 3 G gilent Spec R L	RF		0 GHz			1M 2440M		02:39:3	32 PM Jun 02, 203
9 0 1 G ilent Spec	Freq 2	50 Ω AC	0 GHz	SEN NO: Fast ↔	ISE:PULSE	1M 2440M		Mkr1	22 PMJun 02, 20 TRACE 1 2 3 4 TYPE WWWWM DET P N N N 2.500 m
9 0 1 sG RL enter 1	RF Freq 2 Ref (50 Ω AC 44000000	0 GHz	SEN NO: Fast ↔	ISE:PULSE	1M 2440M		Mkr1	22 PM Jun 02, 20) IRACE 1 2 3 4 3 TYPE WWWWWW
9 9 0 1 3 3 5 3 5 6 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	RF Freq 2 Ref (50 Ω AC 44000000 0ffset 0.5 dB	0 GHz	SEN NO: Fast ↔	ISE:PULSE	1M 2440M		Mkr1	2 PMJun 02, 20 TRACE 12 3 4 TYPE WWWWW DET P N N N 2.500 m
9 0 1 1 sG RL enter 1 0 0 0 0 0 0 0 0 0 0 0 0	RF Freq 2 Ref (50 Ω AC 44000000 0ffset 0.5 dB	0 GHz	SEN NO: Fast ↔	ISE:PULSE	1M 2440M		Mkr1	2 PMJun 02, 20 TRACE 12 3 4 TYPE WWWWW DET P N N N 2.500 m
9 9 0 1 1 1 1 1 1 1 1 1 1 1 1 1	RF Freq 2 Ref (50 Ω AC 44000000 0ffset 0.5 dB	0 GHz	SEN NO: Fast ↔	ISE:PULSE	1M 2440M		Mkr1	2 PMJun 02, 20 TRACE 12 3 4 TYPE WWWWW DET P N N N 2.500 m
9 0 1 1 3 3 3 3 3 3 3 3 3 0 0 0 0 0 0 0 0	RF Freq 2 Ref (50 Ω AC 44000000 0ffset 0.5 dB	0 GHz	SEN NO: Fast ↔	ISE:PULSE	1M 2440M		Mkr1	2 PMJun 02, 20 TRACE 12 3 4 TYPE WWWWW DET P N N N 2.500 m
9 9 9 9 9 9 9 9 9 8 8 8 8 8 9 8 9 8 9 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9	RF Freq 2 Ref (50 Ω AC 44000000 0ffset 0.5 dB	0 GHz	SEN NO: Fast ↔	ISE:PULSE	1M 2440M		Mkr1	2 PMJun 02, 20 TRACE 12 3 4 TYPE WWWWW DET P N N N 2.500 m
9 9 9 9 9 9 9 9 9 9 9 9 9 9	RF Freq 2 Ref (50 Ω AC 44000000 0ffset 0.5 dB	0 GHz	SEN NO: Fast ↔	ISE:PULSE	1M 2440M		Mkr1	2 PMJun 02, 20 TRACE 12 3 4 TYPE WWWWW DET P N N N 2.500 m
9 9 9 9 9 9 9 9 9 9 9 9 9 9	RF Freq 2 Ref (50 Ω AC 44000000 0ffset 0.5 dB	0 GHz	SEN NO: Fast ↔	ISE:PULSE	1M 2440M		Mkr1	2 PMJun 02, 20 TRACE 12 3 4 TYPE WWWWW DET P N N N 2.500 m
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Ref C Ref C	50 Ω AC 44000000	0 GHz	SEN NO: Fast ↔	ISE:PULSE	1M 2440M		Mkr1	12 PMJun 02, 20 IFRACE 112 3 4 TYPE WANNAMAN DET P N N 11 2.500 m 4.03 d B1
9 9 9 10 11 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Ref 0 Ref 0 Ref	50 Ω AC 44000000 Dffset 0.5 dB 20.00 dBm	0 GHz	SEN NO: Fast → Gain:Low	ISE:PULSE	1M 2440M	Log-Pwr	Mkr1	12 PM Jun 02, 20 IRACE 1] 2 3 4 TYPE [WWWWW 2, 500 m 4,03 dB1
9 9 9 10 11 11 12 11 10 10 10 10 10 10 10 10 10 10 10 10	Ref 0 Ref Ref 2.44000 1.0 MH	50 Ω AC 44000000 Dffset 0.5 dB 20.00 dBm	0 GHz	SEN Gain:Low ↔	ISE:PULSE Trig: Free Run #Atten: 30 dB	1M 2440M	Log-Pwr	Mkr1	12 PM Jun 02, 20 IRACE 1] 2 3 4 TYPE [WWWWW 2, 500 m 4,03 dB1
9 9 9 9 9 9 9 9 9 9 1 1 1 9 8 8 8 8 9 8 8 9 8 8 9 8 9 8 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9	Ref 0 Ref Ref 2.44000	50 Ω AC 44000000 0ffset 0.5 dB 20.00 dBm 00000 GHz z	0 GHz	SEN NO: Fast → Gain:Low	ISE:PULSE Trig: Free Run #Atten: 30 dB		Log-Pwr	Mkr1	12 PM Jun 02, 20 IRACE 1] 2 3 4 TYPE [WWWWW 2, 500 m 4,03 dB1
9 9 9 9 10 11 11 12 14 14 14 14 14 14 14 14 14 14	Ref 0 Ref Ref 2.44000 1.0 MH	50 Ω AC 44000000 0ffset 0.5 dB 20.00 dBm 00000 GHz z	0 GHz	SEN Gain:Low ↔	ISE:PULSE Trig: Free Run #Atten: 30 dB		Log-Pwr	Mkr1	12 PM Jun 02, 20 IRACE 1] 2 3 4 TYPE [WWWWW 2, 500 m 4,03 dB1
9 9 9 9 9 9 10 11 11 12 11 12 11 12 12 12 10 10 10 10 10 10 10 10 10 10	Ref 0 Ref Ref 2.44000 1.0 MH	50 Ω AC 44000000 0ffset 0.5 dB 20.00 dBm 00000 GHz z	0 GHz	SEN Gain:Low ↔	ISE:PULSE Trig: Free Run #Atten: 30 dB		Log-Pwr	Mkr1	12 PM Jun 02, 20 IRACE 1] 2 3 4 TYPE [WWWWW 2, 500 m 4,03 dB1
9 9 9 9 9 9 9 9 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1	Ref 0 Ref Ref 2.44000 1.0 MH	50 Ω AC 44000000 0ffset 0.5 dB 20.00 dBm 00000 GHz z	0 GHz	SEN Gain:Low ↔	ISE:PULSE Trig: Free Run #Atten: 30 dB		Log-Pwr	Mkr1	12 PM Jun 02, 20 IRACE 1] 2 3 4 TYPE [WWWWW 2, 500 m 4,03 dB1



Duty Cycle NVNT BLE 1M 2480MHz

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gilent Spectrum Analyze	T - Swept SA 50 Ω AC	SENSE:PULSE		ALIGNAUTO		02:42:3	9 PM Jun 02, 2022
enter Freq 2.4	BOOOOOOO GHz	Fast ⊶ Trig:F	ree Run 1: 30 dB	Avg Type:	Log-Pwr	Т	RACE 12345 TYPE WWWWWW DET PNNNN
OdB/div Ref 20	set 0.5 dB 0.00 dBm					Mkr1	2.500 m 3.72 dBr
og 10.0			1				
0.00							
0.0							
20.0							
30.0							
0.0							
0.0							
60.0							
0.0							
enter 2.4800000							Span 0 H
es BW 1.0 MHz		#VBW 3.0 N	/IHz		Sweep	5.000 ms	(10001 pt
KR MODE TRC SCL	× 2.500 ms	¥ 3.72 dBm	FUNCTION	FUNCTION WIDTH	F	JNCTION VALUE	
2 3							
4							
6 7							
8							
9							
Ĭ							>



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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	2.72	0	2.72	<=30	Pass
NVNT	BLE 1M	2440	4.36	0	4.36	<=30	Pass
NVNT	BLE 1M	2480	3.74	0	3.74	<=30	Pass



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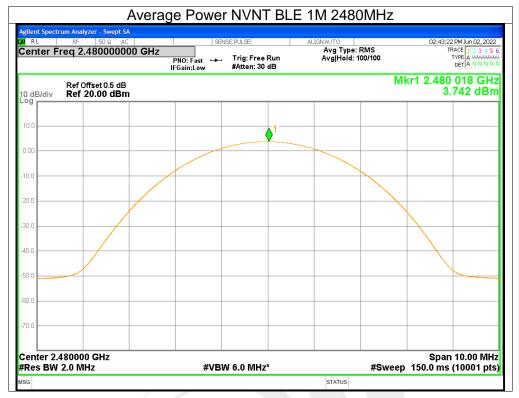


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ilent Spee	Aver trum Analyzer - Swept SA	rage Powe	Test Graphs r NVNT BLE	1M 2402MHz	
RL	RF 50 Ω AC		ENSE:PULSE	ALIGNAUTO	02:34:42 PM Jun 02, 202
enter F	Freq 2.402000000 GH	Z PNO: Fast ↔ IFGain:Low	. Trig: Free Run #Atten: 30 dB	Avg Type: RMS Avg Hold: 100/100	TRACE 1 2 3 4 5 TYPE A WANNA DET A N N N N
dB/div	Ref Offset 0.5 dB Ref 20.00 dBm				Mkr1 2.401 935 GH 2.724 dBr
^{og}					
0.0			1		
.00					
0.0					
0.0					
0.0					
0.0					+ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$
0.0					
0.0					
0.0					
enter 🤉	.402000 GHz				Span 10.00 MH
Res BW		<i>w</i> 0			
	2.0 IVIEZ	#VE	SW 6.0 MHz*		ep 150.0 ms (10001 pt
G				STATUS	ep 150.0 ms (10001 pt
G	Aver				ep 150.0 ms (10001 pt
G <mark>ilent Spec</mark> t R L	Aver trum Analyzer - Swept SA RF 50 Ω AC	rage Powe		status 5 1M 2440MHz alignauto	02:40:15 PM Jun 02, 202
G ilent Spect R L	Aver trum Analyzer - Swept SA	rage Powe	er NVNT BLE	STATUS T M 2440MHz ALIGNAUTO Avg Type: RMS Avg]Hold: 100/100	02:40:15 PM Jun 02, 200 TRACE 1 2 3 4 5 TYPE JA WWWM DET JA NN N
g ilent Spect R L enter F	Aver trum Analyzer - Swept SA RF 50 Ω AC	rage Powe	er NVNT BLE	STATUS T M 2440MHz ALIGNAUTO Avg Type: RMS Avg]Hold: 100/100	02:40:15 PM Jun 02, 202 TRACE 12 2 4 45 TYPE JA WAN DET JA NNN Mkr1 2.439 994 GH
g ilent Spect R L enter F	Aver trum Analyzer - Swept SA RF 50 & AC Freq 2.440000000 GH Ref Offset 0.5 dB	rage Powe	er NVNT BLE	STATUS T M 2440MHz ALIGNAUTO Avg Type: RMS Avg]Hold: 100/100	02:40:15 PM Jun 02, 202 TRACE 12 2 4 45 TYPE JA WAN DET JA NNN Mkr1 2.439 994 GH
g <mark>jlent Spect</mark> R L enter F	Aver trum Analyzer - Swept SA RF 50 & AC Freq 2.440000000 GH Ref Offset 0.5 dB	rage Powe	er NVNT BLE	STATUS T M 2440MHz ALIGNAUTO Avg Type: RMS Avg]Hold: 100/100	02:40:15 PM Jun 02, 202 TRACE 12 2 4 45 TYPE JA WMM DET JA NNN Mkr1 2.439 994 GH
G RL enter F	Aver trum Analyzer - Swept SA RF 50 & AC Freq 2.440000000 GH Ref Offset 0.5 dB	rage Powe	er NVNT BLE	STATUS T M 2440MHz ALIGNAUTO Avg Type: RMS Avg]Hold: 100/100	02:40:15 PM Jun 02,202 TRACE 12:3:45 TYPE ANNIN DET ANNIN Mkr1 2.439 994 GH
a RL enter F	Aver trum Analyzer - Swept SA RF 50 & AC Freq 2.440000000 GH Ref Offset 0.5 dB	rage Powe	er NVNT BLE	STATUS T M 2440MHz ALIGNAUTO Avg Type: RMS Avg]Hold: 100/100	02:40:15 PM Jun 02,202 TRACE 12:3:45 TYPE ANNIN DET ANNIN Mkr1 2.439 994 GH
a ilent Spect RL enter F	Aver trum Analyzer - Swept SA RF 50 & AC Freq 2.440000000 GH Ref Offset 0.5 dB	rage Powe	er NVNT BLE	STATUS T M 2440MHz ALIGNAUTO Avg Type: RMS Avg]Hold: 100/100	02:40:15 PM Jun 02,202 TRACE 12:3:45 TYPE ANNIN DET ANNIN Mkr1 2.439 994 GH
G RL B B B B B B B B B B B B B B B B B B	Aver trum Analyzer - Swept SA RF 50 & AC Freq 2.440000000 GH Ref Offset 0.5 dB	rage Powe	er NVNT BLE	STATUS T M 2440MHz ALIGNAUTO Avg Type: RMS Avg]Hold: 100/100	02:40:15 PM Jun 02,202 TRACE 12:3:45 TYPE ANNIN DET ANNIN Mkr1 2.439 994 GH
G RL enter F 0 dB/div 0 g	Aver trum Analyzer - Swept SA RF 50 & AC Freq 2.440000000 GH Ref Offset 0.5 dB	rage Powe	er NVNT BLE	STATUS T M 2440MHz ALIGNAUTO Avg Type: RMS Avg]Hold: 100/100	02:40:15 PM Jun 02,202 TRACE 12:3:45 TYPE ANNIN DET ANNIN Mkr1 2.439 994 GH
G RL B B B B B B B B B B B B B B B B B B	Aver trum Analyzer - Swept SA RF 50 & AC Freq 2.440000000 GH Ref Offset 0.5 dB	rage Powe	er NVNT BLE	STATUS T M 2440MHz ALIGNAUTO Avg Type: RMS Avg]Hold: 100/100	02:40:15 PM Jun 02, 202 TRACE 12:34 5 TYPE 1
G IIIII Spect RL Conter F Conter F Cone	Aver trum Analyzer - Swept SA RF 50 & AC Freq 2.440000000 GH Ref Offset 0.5 dB	rage Powe	er NVNT BLE	STATUS T M 2440MHz ALIGNAUTO Avg Type: RMS Avg]Hold: 100/100	02:40:15 PM Jun 02, 202 TRACE 12 3 4 5 TYPE A WWWW DET A NNNN Mkr1 2.439 994 GH
G ilent Spect RL enter F 0 dB/div 0 0.0	Aver trum Analyzer - Swept SA RF 50 & AC Freq 2.440000000 GH Ref Offset 0.5 dB	rage Powe	er NVNT BLE	STATUS T M 2440MHz ALIGNAUTO Avg Type: RMS Avg]Hold: 100/100	02:40:15 PM Jun 02,202 TRACE 12:3:45 TYPE ANNIN DET ANNIN Mkr1 2.439 994 GH
G IIIII Spect RL Benter F 0 dB/div 0 0.0 0.0 0.0 0.0 0.0	Aver trum Analyzer - Swept SA RF 50 & AC Freq 2.440000000 GH Ref Offset 0.5 dB	rage Powe	er NVNT BLE	STATUS T M 2440MHz ALIGNAUTO Avg Type: RMS Avg]Hold: 100/100	02:40:15 PM Jun 02,202 TRACE 12:3:45 TYPE ANNIN DET ANNIN Mkr1 2.439 994 GH
G Ilent Spect RL R enter F 0.0 0.0	Aver trum Analyzer - Swept SA RF 50 & AC Freq 2.440000000 GH Ref Offset 0.5 dB	rage Powe	er NVNT BLE	STATUS T M 2440MHz ALIGNAUTO Avg Type: RMS Avg]Hold: 100/100	02:40:15 PM Jun 02,202 TRACE 12:3:45 TYPE ANNIN DET ANNIN Mkr1 2.439 994 GH
a Ilent Spect R L anter F dB/div g 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	Aver trum Analyzer - Swept SA RF 50 & AC Freq 2.440000000 GH Ref Offset 0.5 dB	rage Powe	er NVNT BLE	STATUS T M 2440MHz ALIGNAUTO Avg Type: RMS Avg]Hold: 100/100	02:40:15 PM Jun 02,202 TRACE 12:3:45 TYPE ANNIN DET ANNIN Mkr1 2.439 994 GH

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3. Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	3.28	<=30	Pass
NVNT	BLE 1M	2440	4.89	<=30	Pass
NVNT	BLE 1M	2480	4.31	<=30	Pass



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				Test Graphs		
			<pre>< Power</pre>	NVNT BLE 1	M 2402MHz	
g <mark>ilent Spect</mark> R L	t <mark>rum Analyzer - Swept</mark> S RF 50 Ω A		S	ENSE:PULSE	ALIGN AUTO	02:34:20 PM Jun 02, 2022
enter F	req 2.402000	00 GHz	PNO: Fast ++ IFGain:Low	, Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr Avg Hold: 100/100	TRACE 1 2 3 4 5 TYPE MWWWW DET P N N N N
	Ref Offset 0.5 dE Ref 20.00 dBr		in Gain.Low		٨	/kr1 2.402 061 GH 3.283 dBn
0 dB/div	Kei 20.00 uBi					
10.0				_ _1		
				•		
5.00						
0.0						
20.0						
30.0						
	a state of the second sec					
10.0 <mark>velote</mark>						
io.o						
.0.0						
/0.0						
	402000 CH-					
enter 2. Res BW	402000 GHz					Span 10.00 MH
	2.0 MHZ		#VE	3W 6.0 MHz	#Swee	p 150.0 ms (10001 pt
	2.0 MHZ				STATUS	p 150.0 ms (10001 pts
ŝĠ				BW 6.0 MHz NVNT BLE 1	STATUS	p 150.0 ms (10001 pts
sg gilent Spect	2.U IMHZ trum Analyzer - Swept S RF 50 Ω A	SA	k Power		status M 2440MHz alignauto	02:39:53 PM Jun 02, 202;
SG gilent Spect R L	trum Analyzer - Swept S	SA IC	K Power s	NVNT BLE 1	status M 2440MHz	02:39:53 PM Jun 02, 202 TRACE [1:23 4 5 TYPE [M wwww
3G g <mark>ilent Spect</mark> R L	trum Analyzer - Swept S RF 50 Ω A Freq 2.4400000	5A ac 000 GHz	k Power	NVNT BLE 1	STATUS M 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	02:39:53 PM Jun 02, 202 TRACE 1 2 3 4 5 TYPE IM WWWW DET P. N.N.N.
gilent Spect RL Center F	<mark>trum Analyzer - Swept S</mark> RF 50 Ω A	5A IC DOO GHz 3	K Power s	NVNT BLE 1	STATUS M 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	02:39:53 PM Jun 02, 202 TRACE 12:34 5 TYPE [M WWWW DET [P NN NN Akr1 2.439 791 GH
gilent Spect RL enter F	rum Analyzer - Swept S RF 50.0 A Freq 2.4400000 Ref Offset 0.5 dE	5A IC DOO GHz 3	K Power s	NVNT BLE 1	STATUS M 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	02:39:53 PM Jun 02, 202 TRACE 12:34 5 TYPE [M WWWW DET [P NN NN Akr1 2.439 791 GH
g <mark>ilent Spect</mark> RL enter F	rum Analyzer - Swept S RF 50.0 A Freq 2.4400000 Ref Offset 0.5 dE	5A IC DOO GHz 3	K Power s	NVNT BLE 1	STATUS M 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	02:39:53 PM Jun 02, 202 TRACE 12:34 5 TYPE JM WWWW DET P NNNN Akr1 2.439 791 GH
gilent Spect	rum Analyzer - Swept S RF 50.0 A Freq 2.4400000 Ref Offset 0.5 dE	5A IC DOO GHz 3	K Power s	NVNT BLE 1	STATUS M 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	02:39:53 PM Jun 02, 202 TRACE 12:34 5 TYPE [M WWWW DET [P NN NN Akr1 2.439 791 GH
gilent Spect RL Center F	rum Analyzer - Swept S RF 50.0 A Freq 2.4400000 Ref Offset 0.5 dE	5A IC DOO GHz 3	K Power s	NVNT BLE 1	STATUS M 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	p 150.0 ms (10001 pts 02:39:53 PM Jun 02, 2022 TRACE 12:34.5 TYPE M WWW DET P NINN Akr1 2.439 791 GH 4.895 dBn
cilent Spect	rum Analyzer - Swept S RF 50.0 A Freq 2.4400000 Ref Offset 0.5 dE	5A IC DOO GHz 3	K Power s	NVNT BLE 1	STATUS M 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	02:39:53 PM Jun 02, 202 TRACE 12:34 5 TYPE [M WWWW DET [P NN NN Akr1 2.439 791 GH
g <mark>ilent Spect RL enter F 0 dB/div 9 9 0.00</mark>	rum Analyzer - Swept S RF 50.0 A Freq 2.4400000 Ref Offset 0.5 dE	5A IC DOO GHz 3	K Power s	NVNT BLE 1	STATUS M 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	02:39:53 PM Jun 02, 202 TRACE 12:34 5 TYPE [M WWWW DET [P NN NN Akr1 2.439 791 GH
cilent Spect	rum Analyzer - Swept S RF 50.0 A Freq 2.4400000 Ref Offset 0.5 dE	5A IC DOO GHz 3	K Power s	NVNT BLE 1	STATUS M 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	02:39:53 PM Jun 02, 2023 TRACE 12:3:45 TYPE IM WASH DET P NN NN Akr1 2.439 791 GH
odd Galarian 0	rum Analyzer - Swept S RF 50.0 A Freq 2.4400000 Ref Offset 0.5 dE	5A IC DOO GHz 3	K Power s	NVNT BLE 1	STATUS M 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	02:39:53 PM Jun 02, 2023 TRACE 12:3:45 TYPE IM WASH DET P NN NN Akr1 2.439 791 GH
SG RL RL <thrl< th=""> RL RL RL<!--</td--><td>RF 50 A RF 50 A Freq 2.4400000 Ref Offset 0.5 dB Ref 20.00 dBr</td><td>5A IC DOO GHz 3</td><td>K Power s</td><td>NVNT BLE 1</td><td>STATUS M 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100</td><td>02:39:53 PM Jun 02, 2022 TRACE 12:3:45 TYPE IM WASH DET P NN NN Akr1 2.439 791 GH</td></thrl<>	RF 50 A RF 50 A Freq 2.4400000 Ref Offset 0.5 dB Ref 20.00 dBr	5A IC DOO GHz 3	K Power s	NVNT BLE 1	STATUS M 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	02:39:53 PM Jun 02, 2022 TRACE 12:3:45 TYPE IM WASH DET P NN NN Akr1 2.439 791 GH
SG Silent Spect RL Image: Constraint of the system of the syste	RF 50 A RF 50 A Freq 2.4400000 Ref Offset 0.5 dB Ref 20.00 dBr	5A IC DOO GHz 3	K Power s	NVNT BLE 1	STATUS M 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	02:39:53 PM Jun 02, 202 TRACE 12:34 5 TYPE [M WWWW DET [P NN NN Akr1 2.439 791 GH
SG RL RL <thrl< th=""> RL RL RL<!--</td--><td>RF 50 A RF 50 A Freq 2.4400000 Ref Offset 0.5 dB Ref 20.00 dBr</td><td>5A IC DOO GHz 3</td><td>K Power s</td><td>NVNT BLE 1</td><td>STATUS M 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100</td><td>02:39:53 PM Jun 02, 202 TRACE 12:34 5 TYPE [M WWWW DET [P NN NN Akr1 2.439 791 GH</td></thrl<>	RF 50 A RF 50 A Freq 2.4400000 Ref Offset 0.5 dB Ref 20.00 dBr	5A IC DOO GHz 3	K Power s	NVNT BLE 1	STATUS M 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	02:39:53 PM Jun 02, 202 TRACE 12:34 5 TYPE [M WWWW DET [P NN NN Akr1 2.439 791 GH
SSG Spect RL enter F 0 dB/div 9 g 10.0 20.0 10.0 30.0 30.0 50.0 50.0	RF 50 A RF 50 A Freq 2.4400000 Ref Offset 0.5 dB Ref 20.00 dBr	5A IC DOO GHz 3	K Power s	NVNT BLE 1	STATUS M 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	02:39:53 PM Jun 02, 202 TRACE 12:34 5 TYPE [M WWWW DET [P NN NN Akr1 2.439 791 GH
SG Silent Spect RL I enter F I 0.00 I	RF 50 A RF 50 A Freq 2.4400000 Ref Offset 0.5 dB Ref 20.00 dBr	5A IC DOO GHz 3	K Power s	NVNT BLE 1	STATUS M 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	02:39:53 PM Jun 02, 202 TRACE 12:34 5 TYPE [M WWWW DET [P NN NN Akr1 2.439 791 GH
ilent Spect RL enter F 0 dB/div 0 0 <	RF 50 A RF 50 A Freq 2.4400000 Ref Offset 0.5 dB Ref 20.00 dBr	5A IC DOO GHz 3	× Power	NVNT BLE 1	IN 2440MHz	02:39:53 PM Jun 02, 202 TRACE 12:34 5 TYPE [M WWWW DET [P NN NN Akr1 2.439 791 GH



KI RL	t <mark>rum Analyzer - Swept</mark> S RF 50 Ω A	C	SE	NSE:PULSE	ALIGNAUTO			I PM Jun 02, 2022
Center F	Freq 2.4800000	000 GHz	PNO: Fast ↔→ IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold: 1			ACE 1 2 3 4 5 TYPE M MANANA DET P N N N N
0 dB/div	Ref Offset 0.5 dE Ref 20.00 dBr					Mł	(r1 2.479 4.	984 GH 311 dBn
10.0				1				
0.00								
10.0								
20.0								
30.0								
40.0 (mpa)								
50.0								
50.0								
70.0								
	.480000 GHz / 2.0 MHz			W 6.0 MHz		#Sween	Span 150.0 ms	10.00 MH (10001 pts
SG	· 2.V IVII 12		#VD	¥¥ V.V IVII 12	STATUS	#oweep	100.0 115	(10001 pts





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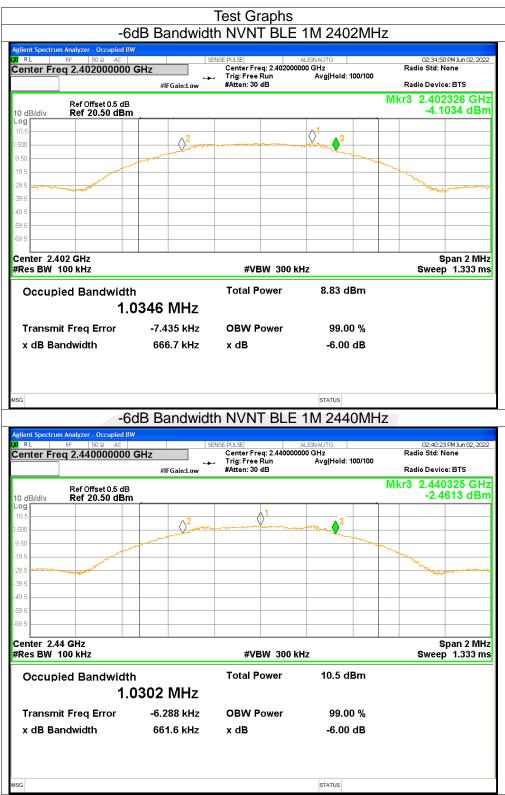
4. -6dB Bandwidth

Condition	Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	0.667	>=0.5	Pass
NVNT	BLE 1M	2440	0.662	>=0.5	Pass
NVNT	BLE 1M	2480	0.663	>=0.5	Pass



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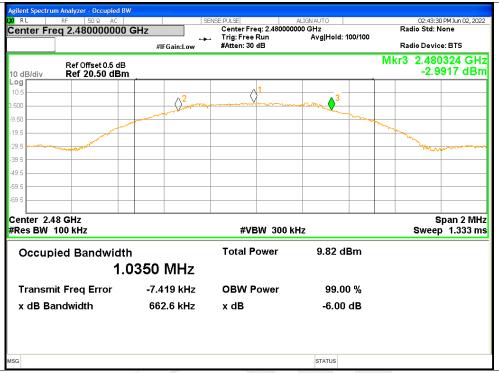






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-6dB Bandwidth NVNT BLE 1M 2480MHz





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5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	-11.81	<=8	Pass
NVNT	BLE 1M	2440	-10.09	<=8	Pass
NVNT	BLE 1M	2480	-10.72	<=8	Pass



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Report No.: STS2205191W01

RL	trum Analyzer - Swept RF 50 Ω / Freq 2.4020000	000 GHz PI	SE 10: Wide Gain:Low	NSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 20/20	02:34:58 PM Jun 02, 202 TRACE 1 2 3 4 5 TYPE MWWWM DET P N N N
dB/div	Ref Offset 0.5 dl Ref 20.00 dB				Mk	r1 2.401 992 0 GH -11.806 dBr
0.0						
.00						
0.0				1		
0.0	- Anno Anno A	MAMM	mm	m have	Mun manner	Mar
0.0 M	Mary Mar					matrikultrand
0.0						
0.0						
D.0						
1.0						
enter 2	.4020000 GHz / 3.0 kHz		#VB	W 10 kHz	Swee	
enter 2					STATUS	
enter 2 Res BW	7 3.0 kHz trum Analyzer - Swept	SA		W 10 KHZ NT BLE 1M	STATUS	ep 105.5 ms (1001 pts
enter 2 Res BW G G Ilent Spec RL	/ 3.0 kHz	SA AC DOO GHz PI	SD NVN	NT BLE 1M	STATUS	2p 105.5 ms (1001 pt: 02:40:35 PM Jun 02, 202 TRACE 12 3 4 5 TYPE M
enter 2 Res BM a ilent Spec RL enter 1	Υ 3.0 kHz trum Analyzer - Swept RF 50 Ω /	SA AC DOO GHz IF IF	SD NVN SE 10: Wide ++	NT BLE 1M	STATUS 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 50/50	22:40:35 PM Jun 02,202 02:40:35 PM Jun 02,202 TRACE 1 2 3 4 5 TYPE [M VAN NN N 0ET P NN NN 2.439 992 056 GH
enter 2 Res BW a ilent Spec RL enter I	1 3.0 kHz trum Analyzer - Swept RF 50 Ω / Freq 2.4400000 Ref Offset 0.5 di	SA AC DOO GHz IF IF	SD NVN SE 10: Wide ++	NT BLE 1M	STATUS 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 50/50	22:40:35 PM Jun 02,202 02:40:35 PM Jun 02,202 TRACE 12 2 4 5 TYPE [M Jun 02,202 TYPE [M Jun 02,202
enter 2 Res BM	1 3.0 kHz trum Analyzer - Swept RF 50 Ω / Freq 2.4400000 Ref Offset 0.5 di	SA AC DOO GHz IF IF	SD NVN SE 10: Wide ++	NT BLE 1M	STATUS 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 50/50	22:40:35 PM Jun 02,202 02:40:35 PM Jun 02,202 TRACE 1 2 3 4 5 TYPE [M VAN NN N 0ET P NN NN 2.439 992 056 GH
ilent Spec	1 3.0 kHz trum Analyzer - Swept RF 50 Ω / Freq 2.4400000 Ref Offset 0.5 di	SA AC DOO GHz IF IF	SD NVN SE 10: Wide ++	NT BLE 1M NSE:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 50/50 Mkr1	Span 1.001 MH p 105.5 ms (1001 pts 02:40:35 PM Jun 02, 202 TRACE 1 2 3 4 5 TYPE M WWWW DET P NNNN 2.439 992 056 GH -10.089 dBn
enter 2 Res BM	T 3.0 kHz Trum Analyzer - Swept RF 50 2 → Treq 2.4400000 Ref Offset 0.5 di Ref 20.00 dB	SA AC PI IF 3 m	SD NVI	NT BLE 1M NSE:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 50/50 Mkr1	02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:34 5 TYPE [] 02:40:35 5 TYP
ilent Spec	T 3.0 kHz Trum Analyzer - Swept RF 50 2 → Treq 2.4400000 Ref Offset 0.5 di Ref 20.00 dB	SA AC DOO GHz IF IF	SD NVI	NT BLE 1M NSE:PULSE Trig: Free Run #Atten: 30 dB	STATUS 2440MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 50/50	02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:34 5 TYPE [] 02:40:35 5 TYP
ilent Spec	rum Analyzer - Swept RF 50 2 - Treq 2.4400000 Ref Offset 0.5 dl Ref 20.00 dB	SA AC PI IF 3 m	SD NVI	NT BLE 1M NSE:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 50/50 Mkr1	02:40:35 PM Jun 02, 202: TRACE [] 2 3 4 5 TYPE [] 3 5 TYPE
enter 2 Res BW a ilent Spec RL enter I	rum Analyzer - Swept RF 50 2 - Treq 2.4400000 Ref Offset 0.5 dl Ref 20.00 dB	SA AC PI IF 3 m	SD NVI	NT BLE 1M NSE:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 50/50 Mkr1	02:40:35 PM Jun 02, 202: TRACE [] 2 3 4 5 TYPE [] 3 5 TYPE
ilent Spec RL Benter I OdB/div OdB/div	rum Analyzer - Swept RF 50 2 - Treq 2.4400000 Ref Offset 0.5 dl Ref 20.00 dB	SA AC PI IF 3 m	SD NVI	NT BLE 1M NSE:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 50/50 Mkr1	02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:34 5 TYPE [] 02:40:35 5 TYP
ilent Spec RL enter I dB/div	rum Analyzer - Swept RF 50 2 - Treq 2.4400000 Ref Offset 0.5 dl Ref 20.00 dB	SA AC PI IF 3 m	SD NVI	NT BLE 1M NSE:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 50/50 Mkr1	02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:35 PM Jun 02, 202 TRACE [] 2 3 4 5 TYPE [] 02:40:34 5 TYPE [] 02:40:35 5 TYP



Report No.: STS2205191W01

PSD NVNT BLE 1M 2480MHz ectrum Analyzer - Swept SA ilent Spe 38 PM Jun 02, 2022 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N RL SENSE:PULSE Center Freq 2.480000000 GHz Avg Type: Log-Pwr Avg|Hold: 20/20 Trig: Free Run #Atten: 30 dB PNO: Wide IFGain:Low ⊶ Mkr1 2.479 992 0 GHz -10.721 dBm Ref Offset 0.5 dB Ref 20.00 dBm 10 dB/div 10. 0.00 mmm mann mon www.www.www 20.0 mm 30.0 40.0 60. Center 2.4800000 GHz Span 994.5 kHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 104.9 ms (1001 pts) sG STATUS

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6. Band Edge

Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	-54.05	<=-20	Pass
NVNT	BLE 1M	2480	-55.66	<=-20	Pass



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		Band E		est Graphs NT BLE 1M		z Ref		
	trum Analyzer - Swept RF 50 Ω		SENS	E:PULSE	ALIGNAUTO		02:35:14	4 PM Jun 02, 202
	req 2.402000	000 GHz	NO: Wide 🔸	Trig: Free Run #Atten: 30 dB	Avg Type: L Avg Hold: 10	.og-Pwr)0/100	TI	TYPE MWAAAA DET P N N N N
0 dB/div	Ref Offset 0.5 d Ref 20.00 dB	B m				N	lkr1 2.401 2.	992 GH 142 dBr
.og								
10.0				<u> </u>				
0.00				- Ma				
10.0								
10.0								
20.0								
30.0			\rightarrow		$- \sqrt{-}$			
40.0								
			مر مرالي م		W. June			
50.0 • \r	while and a start	Man Malala Man Mar				whitelythere	Walkey Just and Mary	n-hanglyhan
50.0								
70.0								
Res BW	.402000 GHz		-41 (514)					8.000 MH
20	100 1112		#VBW	300 kHz	CTATUC	#Swe	ep 100.0 m	s (1001 pt
SG		and Edg					-	s (1001 pt:
gilent Spect	Ba trum Analyzer - Swept	SA		300 KHz BLE 1M 24			-	s (1001 pt
gilent Spect 7 R L	Ва	SA AC 000 GHz			ALIGNAUTO AVG TYPE: L	missic .₀g-₽wr	on 02:35:21	7 PM Jun 02, 202
gilent Spect 7 R L	Ba trum Analyzer - Swept RF 50 ග	SA AC 000 GHz	e NVNT	BLE 1M 24	102MHz E	missic .₀g-₽wr	on 02:35:21	7 PM Jun 02, 202 RACE 1 2 3 4 5 TYPE M WWWW
gilent Spect	Ba trum Analyzer - Swept RF 50 Ω Freq 2.3566000 Ref Offset 0.5 d	SA AC 000 GHz IF		BLE 1M 24	ALIGNAUTO AVG TYPE: L	missic .₀g-₽wr	02:35:27 Mkr1 2.4	7 PM Jun 02, 202 RACE 1 2 3 4 5 TYPE MWWWW DET P N N N 02 2 GH
gilent Spect RL Center F 10 dB/div -9	Ba rrum Analyzer - Swept RF 50 Ω Freq 2.356000	SA AC 000 GHz IF		BLE 1M 24	ALIGNAUTO AVG TYPE: L	missic .₀g-₽wr	02:35:27 Mkr1 2.4	7 PM Jun 02, 202 RACE 1 2 3 4 5 TYPE M WWWW DET P N N N N
gilent Spect RL Center F O dB/div	Ba trum Analyzer - Swept RF 50 Ω Freq 2.3566000 Ref Offset 0.5 d	SA AC 000 GHz IF		BLE 1M 24	ALIGNAUTO AVG TYPE: L	missic .₀g-₽wr	02:35:27 Mkr1 2.4	7 PMJun 02, 202 RACE 1 2 3 4 5 TYPE MWWWW DET P N N N 02 2 GH
gilent Spect RL Center F 0 dB/div 0 dB/div 0 dB/div 0 dB/div 0 dB/div 0 dB/div 0 dB/div	Ba trum Analyzer - Swept RF 50 Ω Freq 2.3566000 Ref Offset 0.5 d	SA AC 000 GHz IF		BLE 1M 24	ALIGNAUTO AVG TYPE: L	missic .₀g-₽wr	02:35:27 Mkr1 2.4	7PMJun 02, 202 RACE 11 2 3 4 5 TYPE MWMMM DET P N N N N 02 2 GH 999 dBn
gilent Spect RL Center F 0 dB/div 00 00 00 00 00 00 00 000 000 000 000 000 000 000	Ba trum Analyzer - Swept RF 50 Ω Freq 2.3566000 Ref Offset 0.5 d	SA AC 000 GHz IF		BLE 1M 24	ALIGNAUTO AVG TYPE: L	missic .₀g-₽wr	02:35:27 Mkr1 2.4	7PMJun 02, 202 RACE 11 2 3 4 5 TYPE MWMMM DET P N N N N 02 2 GH 999 dBn
gilent Spect RL Center F 0 dB/div 00 00 00 00 00 000 000 000 000 000 000 000 000 000	Ba trum Analyzer - Swept RF 50 Ω Freq 2.3566000 Ref Offset 0.5 d	SA AC 000 GHz IF		BLE 1M 24	ALIGNAUTO AVG TYPE: L	missic .₀g-₽wr	02:35:27 Mkr1 2.4	7PMJun 02, 202 RACE 11 2 3 4 5 TYPE MWMMM DET P N N N N 02 2 GH 999 dBn
glent Spect RL Center F 10.0 10.	Ba trum Analyzer - Swept RF 50 Ω Freq 2.3566000 Ref Offset 0.5 d	SA AC 000 GHz IF		BLE 1M 24	ALIGNAUTO AVG TYPE: L	missic .₀g-₽wr	02:35:27 Mkr1 2.4	7PM.Jun 02, 202 RACE 112 3 4 5 TYPE M HWWWW DET P N NNN 02 2 GH 999 dBn 1- 17 65 dB
gient Spect RL Center F Conter F 10.0 0.00 20.0 40.0 40.0	Ba trum Analyzer - Swept RF 50 Ω Freq 2.3566000 Ref Offset 0.5 d	SA AC 000 GHz IF		BLE 1M 24	ALIGNAUTO AVG TYPE: L	missic .₀g-₽wr	02:35:27 Mkr1 2.4	7PM.Jun 02, 202 RACE 112 3 4 5 TYPE M HWWWW DET P N NNN 02 2 GH 999 dBn 1- 17 65 dB
gilent Spect R L Center F 10 dB/div 9 10.0	Barrum Analyzer - Swept RF 50 Ω Freq 2.3566000 Ref Offset 0.5 d Ref 20.00 dE	SA AC 000 GHz IF		BLE 1M 24	ALIGNAUTO AVG TYPE: L	missic .₀g-₽wr	ос:35:2 П Мkr1 2.4 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	7PM.Jun 02, 202 RACE 12 3 4 5 TYPE M WWWW DET P N NNN 02 2 GH 999 dBn 1- 1 4 55 dB
glent Spect RL Center F 10.0 10.	Ba trum Analyzer - Swept RF 50 Ω Freq 2.3566000 Ref Offset 0.5 d	SA AC 000 GHz IF	e NVNT	BLE 1M 24	ALIGNAUTO AVG TYPE: L	missic .og-Pwr 10/100 #Swee	02:35:27 Mkr1 2.4 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	2PM Jun 02, 202 PACE 2 3 4 5 TYPE M WWWW 02 2 GH 999 dBr 1 1 1 4 6 dB
gilent Spect 7 RL Center F 10.0 10.0 10.0 10.0 20.0 10.0 20.0 30.0 40.0 50.0	Barren Analyzer - Swept RF 50 2 Freq 2.3566000 Ref Offset 0.5 d Ref 20.00 dB 06000 GHz 100 kHz Fr0 561	5A AC DOO GHZ F IF B B m - - - - - - - - - - - - -	e NVNT SENSE NO: Fast ↔ Gain:Low #VBW #VBW 1.999 di	BLE 1M 24	ALIGN AUTO Avg Type: L Avg Hold: 10	missic .og-Pwr 10/100 #Swee	02:35:27 Mkr1 2.4 1.	2PM Jun 02, 202 PACE 2 3 4 5 TYPE M WWWW 02 2 GH 999 dBr 1 1 1 4 6 dB
gilent Spect R R L Center F Center F 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 1	Barren 2.356000 RF 50 Ω Freq 2.356000 Ref Offset 0.5 d Ref 20.00 dE 00000 GHz 1 00 KHz FC 501 1 f 1 f 1 f	SA AC B B m 2.402 2 GHz 2.400 0 GHz	e NVNT SENSE	BLE 1M 24	ALIGN AUTO Avg Type: L Avg Hold: 10	missic .og-Pwr 10/100 #Swee	02:35:27 Mkr1 2.4 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	2PM Jun 02, 202 PACE 2 3 4 5 TYPE M WWWW 02 2 GH 999 dBr 1 1 1 4 6 dB
glent Spect Center F Center F O dB/div O dB/div O dB/div O dB/div O dB O dB <tho db<="" th=""> <tho db<="" th=""> <t< td=""><td>Barren Analyzer - Swept RF 50 2 Treq 2.356000 Ref Offset 0.5 d Ref 20.00 dB 06000 GHz / 100 KHz 1 f</td><td>5A AC D000 GHz F F F F F F F F F F F F F</td><td>e NVNT</td><td>BLE 1M 24</td><td>ALIGN AUTO Avg Type: L Avg Hold: 10</td><td>missic .og-Pwr 10/100 #Swee</td><td>02:35:27 Mkr1 2.4 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.</td><td>2PM Jun 02, 202 PACE 2 3 4 5 TYPE M WWWW 02 2 GH 999 dBr 1 1 1 4 6 dB</td></t<></tho></tho>	Barren Analyzer - Swept RF 50 2 Treq 2.356000 Ref Offset 0.5 d Ref 20.00 dB 06000 GHz / 100 KHz 1 f	5A AC D000 GHz F F F F F F F F F F F F F	e NVNT	BLE 1M 24	ALIGN AUTO Avg Type: L Avg Hold: 10	missic .og-Pwr 10/100 #Swee	02:35:27 Mkr1 2.4 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	2PM Jun 02, 202 PACE 2 3 4 5 TYPE M WWWW 02 2 GH 999 dBr 1 1 1 4 6 dB
glent Spect Center F Center F O dB/div O dB/div O dB/div O dB/div O dB O dB <tho db<="" th=""> <tho db<="" th=""> <t< td=""><td>Barren 2.356000 RF 50 Ω Freq 2.356000 Ref Offset 0.5 d Ref 20.00 dE 00000 GHz 1 00 KHz FC 501 1 f 1 f 1 f</td><td>SA AC B B m 2.402 2 GHz 2.400 0 GHz</td><td>e NVNT SENSE</td><td>BLE 1M 24</td><td>ALIGN AUTO Avg Type: L Avg Hold: 10</td><td>missic .og-Pwr 10/100 #Swee</td><td>02:35:27 Mkr1 2.4 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.</td><td>2PM Jan 02, 202 PACE 12 3 4 5 TYPE IM WWWW 02 2 GH 999 dBr 11 6 66 11 6 66 110 66 11 6 66 11 6</td></t<></tho></tho>	Barren 2.356000 RF 50 Ω Freq 2.356000 Ref Offset 0.5 d Ref 20.00 dE 00000 GHz 1 00 KHz FC 501 1 f 1 f 1 f	SA AC B B m 2.402 2 GHz 2.400 0 GHz	e NVNT SENSE	BLE 1M 24	ALIGN AUTO Avg Type: L Avg Hold: 10	missic .og-Pwr 10/100 #Swee	02:35:27 Mkr1 2.4 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	2PM Jan 02, 202 PACE 12 3 4 5 TYPE IM WWWW 02 2 GH 999 dBr 11 6 66 11 6 66 110 66 11 6
gilent Spect R L Center F O dB/div Start 2.34 Res MODE 1 N O dV O dV	Barren 2.356000 RF 50 Ω Freq 2.356000 Ref Offset 0.5 d Ref 20.00 dE 00000 GHz 1 00 KHz FC 501 1 f 1 f 1 f	SA AC B B m 2.402 2 GHz 2.400 0 GHz	e NVNT SENSE	BLE 1M 24	ALIGN AUTO Avg Type: L Avg Hold: 10	missic .og-Pwr 10/100 #Swee	02:35:27 Mkr1 2.4 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	2PM Jan 02, 202 PACE 12 3 4 5 TYPE IM WWWW 02 2 GH 999 dBr 11 6 66 11 6 66 110 66 11 6

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



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	Band E	dge NVNT	BLE 1M	2480MHz	: Ref	
Agilent Spectrum Analyzer - Swe ଆ RL RF 50 ହ Center Freq 2.48000	AC		SE g: Free Run ten: 30 dB	ALIGNAUTO Avg Type: Lo Avg Hold: 104	0/100	02:43:53 PM Jun 02, 2022 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P N N N N
Ref Offset 0.5 10 dB/div Ref 20.00 d					Mkr1 2	2.479 992 GHz 3.185 dBm
Log						
10.0			1			
0.00			\sim			
-10.0						
-20.0						
-30.0		\sim		h		
-40.0						
-50.0	lost for the later of the later	- Althan		www.	ualyan warman	mar how when mark to prove the
-60.0						
-70.0						
Center 2.480000 GHz						Span 8.000 MHz
#Res BW 100 kHz		#VBW 30	0 kHz	STATUS	#Sweep 10	0.0 ms (1001 pts)
E F	Band Edg	e NVNT BI	E 1M 24	80MHz Ei	mission	
Agilent Spectrum Analyzer - Swe IXI RL RF 50 Ω	ept SA					03-44-07-0M3-m 03-2022
Center Freq 2.52600	00000 GHz		g: Free Run ten: 30 dB	ALIGNAUTO Avg Type: Lo Avg Hold: 100		02:44:07 PM Jun 02, 2022 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N
Ref Offset 0.5 10 dB/div Ref 20.00 d	5 dB				Mkr	1 2.480 2 GHz 3.039 dBm
10 dB/div Ref 20.00 c						
-10.0						
-20.0						-16.82 dBm
-30.0						
-50.0	month and the second	Defense and Defense of the Defense o	angan shaka alkaya, bahasha	and the market and	man and the second	
-70.0						
Start 2.47600 GHz #Res BW 100 kHz		#VBW 30	0 kHz			top 2.57600 GHz 0.0 ms (1001 pts)
MKR MODE TRC SCL	2.480 2 GHz		FUNCTION F	UNCTION WIDTH	FUNCTION	VALUE
2 N 1 f 3 N 1 f 4 N 1 f	2.483 5 GHz 2.500 0 GHz 2.483 5 GHz	-59.893 dBm				
5 6 7 8						
8						
10						
				STATUS		×

Band Edge NVNT BLE 1M 2480MHz Ref

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7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	-58.13	<=-20	Pass
NVNT	BLE 1M	2440	-60.25	<=-20	Pass
NVNT	BLE 1M	2480	-60.06	<=-20	Pass



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		F 0		est Graph		D (
-ilant Constants A		-	ious NV	NT BLE 1	M 2402MHz	z Ref	
	F 50 Ω A	c	SEN	SE:PULSE	ALIGNAUTO		02:35:44 PM Jun 02, 202
enter Freq	2.4020000	PI	NO: Wide 🔸	Trig: Free Run #Atten: 20 dB	Avg Type: Lo Avg Hold: 100	<i>ī</i> 100	TRACE 1 2 3 4 5 TYPE MWWWW DET P N N N N
0 dB/div 🛛 🛛 🗨	ef Offset 0.5 dB ef 10.50 dBr					Mkr1 2	401 989 5 GH. 2.330 dBr
og				∮ ¹			
500							
9.50							
19.5							
29.5							
39.5							
49.5							
59.5							
69.5							
79.5							
enter 2.402							Span 1.500 MH
Res BW 100			-41/D14	2000 KU-		# O	100 0 mag (4004 mé
SG			#VBV	V 300 kHz	STATUS	#Sweep	100.0 ms (1001 pt
SG		Spuriou				•	100.0 ms (1001 pt
gilent Spectrum A	Tx. nalyzer - Swept S	SA	IS NVNT	BLE 1M 2	2402MHz E	•	
	Τχ. nalyzer - Swept S F 50 Ω A	GA C 000 GHz	IS NVNT	BLE 1M 2	2402MHz E	mission	02:35:54 PM Jun 02, 202
gilent Spectrum A	Τχ. nalyzer - Swept S F 50 Ω A	64 C 10000 GHz P	IS NVNT	BLE 1M 2	2402MHz E	mission	02:35:54 PM Jun 02, 202 TRACE 1 2 3 4 5 TYPE M WWWW DET P NNN N
gilent Spectrum A RL R Center Freq	Tx. nalyzer - Swept S ⊮ 50 Ω Av 13.265000 ef Offset 0.5 dE	34 C 1000 GHz IF 3		TBLE 1M 2 SEPULSE Trig: Free Run	2402MHz E	mission	02:35:54 PM Jun 02,200 TRACE 12.3.4 5 TYPE M WWWW DET P N N N Kr1 2.402 6 GH
gilent Spectrum A RL R Center Freq Re 0 dB/div Re	Tx. natyzer - Swept S ⊮ 50 Ω A 13.265000	34 C 1000 GHz IF 3		TBLE 1M 2 SEPULSE Trig: Free Run	2402MHz E	mission	02:35:54 PM Jun 02, 202 TRACE 12 3 4 5 TYPE M WWWW DET P NNNN Kr1 2.402 6 GH
gilent Spectrum A RL R center Freq 0 dB/div Re	Tx. nalyzer - Swept S ⊮ 50 Ω Av 13.265000 ef Offset 0.5 dE	34 C 1000 GHz IF 3		TBLE 1M 2 SEPULSE Trig: Free Run	2402MHz E	mission	02:35:54 PM Jun 02, 202 TRACE 1 2 3 4 5 TYPE MWWWW DET P. N N N cr1 2.402 6 GH -1.097 dBr
glient Spectrum A RL R enter Freq 0 dB/div Re 0 g 500 9.50 19.5	Tx. nalyzer - Swept S ⊮ 50 Ω Av 13.265000 ef Offset 0.5 dE	34 C 1000 GHz IF 3		TBLE 1M 2 SEPULSE Trig: Free Run	2402MHz E	mission	02:35:54 PM Jun 02, 202 TRACE 1 2 3 4 5 TYPE MWWWW DET P. N N N cr1 2.402 6 GH -1.097 dBr
glient Spectrum A RL R enter Freq 0 dB/div Re 0 g 0 500 9 500 19.5 29.5	Tx. nalyzer - Swept S ⊮ 50 Ω Av 13.265000 ef Offset 0.5 dE	34 C 1000 GHz IF 3		TBLE 1M 2 SEPULSE Trig: Free Run	2402MHz E	mission	02:35:54 PM Jun 02, 202 TRACE 1 2 3 4 5 TYPE MWWWW DET P NNNN cr1 2.402 6 GH -1.097 dBr
glient Spectrum A RL R enter Freq 0 dB/div Re 0 g 500 9.50 19.5	Tx. nalyzer - Swept S ⊮ 50 Ω Av 13.265000 ef Offset 0.5 dE	34 C 1000 GHz IF 3		TBLE 1M 2 SEPULSE Trig: Free Run	2402MHz E	mission	02:35:54 PM Jun 02, 202 TRACE 1 2 3 4 5 TYPE MWWWW DET P NNNN cr1 2.402 6 GH -1.097 dBr
RL R RL R center Freq 0 dB/div Re 0 g	Tx. nalyzer - Swept S ⊮ 50 Ω Av 13.265000 ef Offset 0.5 dE	34 C 1000 GHz IF 3		TBLE 1M 2 SEPULSE Trig: Free Run	2402MHz E	mission	00.0 ms (1001 pts 02:35:54 PM Jun 02,202 TRace 12:34.5 TYPE M Jun 02,202 TRACE 12:34.5 TYPE M JUN 02,202 TRACE 12:34.5 TYPE M JUN 02,202 TRACE 12:34.5 TYPE M JUN 02,202 TRACE 12:34.5 TRACE 12:35.5 TRACE 12:35.5 TRACE 12:35.5 TRACE 12:35.5 T
glient Spectrum A RL R enter Freq 0 dB/div Re 0 g 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Tx. nalyzer - Swept S ⊮ 50 Ω Av 13.265000 ef Offset 0.5 dE	3 C P P F 3 m 3 3 4 4	IS NVNT SEN NO: Fast Gain:Low	TBLE 1M 2 SEPULSE Trig: Free Run	2402MHz E	mission	02:35:54 PM Jun 02, 202 TRACE 12:3:4:5 TYPE M WWWW ort 2:402 6 GH -1.097 dBr
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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 3688 6288 Fax:+86-755 3688 6277 Http://www.stsapp.com E-mail: sts@stsapp.com



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				rious N	VNT BL	E 1M	2440M	Hz Ref		
Agilent Spect		lyzer - Swept SA 50 Ω AC		SE	NSE:PULSE		ALIGNAUTO		02:40:5	i 1 PM Jun 02, 2022
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Tx. Spurious NVNT BLE 1M 2440MHz Ref

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		rx. Spu	rious N	/NT BLE	1M 2480			
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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.