

Japan Test Report

Equipment : GSP 370 Wireless gaming headset
Model No. : SCBT12
Brand Name : EPOS
Applicant : DSEA A/S
Address : Kongebakken 9, DK-2765 Smørum, Denmark
Standard : Article 2 Paragraph 1 Item 19
Received Date : Apr. 19, 2019
Tested Date : Jul. 04, 2019

Measurement was conducted by the following test method:
the test method of Ordinance Concerning Technical Regulations Conformity Certification
etc. of Specified Radio Equipment in Annex 1, the Ministry of Internal Affairs and
Communications notification in Annex "43" of Article 88, Paragraph 1 and ARIB STD-T66.

We, International Certification Corporation, would like to declare that the tested sample has
been evaluated and in compliance with the requirement of the above standards. The test
results contained in this report refer exclusively to the product. It shall not be reproduced
except in full without the written approval of our laboratory.

Reviewed by:


Alex Huang / Supervisor

Approved by:

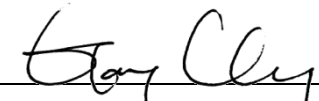

Gary Chang / Manager

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Release Record

Report No.	Version	Description	Issued Date
JR941902-08	Rev. 01	Initial issue	Aug. 02, 2023

Summary of Test Results

Ref. Std. Clause	Description	Result
3.2(2)(3)	Antenna Power	Pass
3.2(4)	Frequency Tolerance	Pass
3.2(6)	Transmitter Spurious Emission	Pass
3.2(7)	Occupied Bandwidth	Pass
3.3(1)	Receiver Emission	Pass
3.4.1	Interference prevention function	Pass

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

This report is issued as a duplicate report to original ICC report no. JR941902. The only difference is changing applicant, address and brand name. Due to no impact on tests, all data remain unchanged.

1.1.1 Specification of the Equipment under Test (EUT)

Power Type	5Vdc from Host 3.7Vdc from battery
Type(s) of Modulation / Technology	GFSK = 1Mbps
Frequency Range (MHz)	2402 ~ 2480 MHz
Total Channel Number	40
HW Version	V5
SW Version	1.5.3

1.1.2 Accessories

Accessories		
No.	Equipment	Description
1	Battery	Brand Name: Synergy Model Name: AHB732038TPCT Power Rating: 3.7Vdc, 530 mAh
2	USB cable	Brand Name: SENNHEISER Model Name : USB cable_1 Power line: 2.05m shielded cable w/o core

1.1.3 Antenna Details

Ant. No.	Type	Gain (dBi)	Connector	Remarks
1	PIFA	1.33	N/A	---

Note: Please refer to antenna report for more details about antenna pattern and other information.

1.1.4 Antenna Power

Operating Mode	Rated Power (mW)	Measured Conducted Power (mW)	Radiated Power (mW)
LE	3.00	2.74157	3.724

1.1.5 Channel List

Frequency band (MHz)				2400~2483.5			
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
37	2402	9	2422	18	2442	28	2462
0	2404	10	2424	19	2444	29	2464
1	2406	38	2426	20	2446	30	2466
2	2408	11	2428	21	2448	31	2468
3	2410	12	2430	22	2450	32	2470
4	2412	13	2432	23	2452	33	2472
5	2414	14	2434	24	2454	34	2474
6	2416	15	2436	25	2456	35	2476
7	2418	16	2438	26	2458	36	2478
8	2420	17	2440	27	2460	39	2480

1.1.6 Test Tool and Power Index

Test Tool
NxH3670 SysradioTest

Power Index			
Modulation Mode	Test Frequency (MHz)		
	2402	2440	2480
GFSK/1Mbps	4	4	4

1.1.7 Test Voltage

Test Voltage	☒ Vnom (3.7 Vdc)	☒ Vmax (4.2 Vdc)	☒ Vmin (3.2Vdc)
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1.1.8 Protection Method for High Frequency and Modulation Section

Protected Method	Description
BGA method.	The main RF component is mouted ingin wth BGA method.

1.2 Test Equipment and Calibration Data

Test Item	RF Conducted						
Test Site	(TH01-WS)						
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until	Calibration Authority	Calibration Method
Spectrum Analyzer	R&S	FSV40	101063	Apr. 17, 2019	Apr. 16, 2020	ETC	(C)
DC POWER SOURCE	GW INSTEK	GPC-6030D	EM892433	Oct. 25, 2018	Oct. 24, 2019	ETC	(C)
Power Meter	Anritsu	ML2495A	1241002	Oct. 09, 2018	Oct. 08, 2019	ETC	(C)
Power Sensor	Anritsu	MA2411B	1207366	Oct. 09, 2018	Oct. 08, 2019	ETC	(C)
Measurement Software	Sporton	SENSE-T66_FS	V5.10.2	NA	NA	N/A	N/A
Note 1: Calibration Interval of instruments listed above is one year. Note 2: Calibration Method a. Calibration conducted by the National Institute of Information and Communications Technology(NICT) or a designated calibration agency under Article 102-18 paragraph (1) of the Radio Law. b. Calibration conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) Japan Calibration Service System. c. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1). d. Calibration conducted by using other equipment that listed above from a) to c).							

1.3 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

Article 2 Paragraph 1 Item 19

1.4 Deviation from Test Standard and Measurement Procedure

None

1.5 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	±34.139 Hz
Conducted power	±0.808 dB
Frequency error	±1×10 ⁻⁹
TX Conducted emission	±2.680 dB
RX Conducted emission	±3.034 dB

2 Test Configuration

2.1 Testing Location and Conditions

Test Site	Site Category	Ambient Condition	Tested By
TH01-WS	OVEN Room	23°C / 67%	Alex Huang

2.2 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	TH01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

2.3 The Worst Test Modes and Channel Details

Test item	Mode	Test Frequency (MHz)
Antenna Power Frequency Tolerance Occupied Bandwidth Transmitter Spurious Emission Interference prevention function Receiver Spurious Emissions	BT LE	2402 / 2440 / 2480

3 Transmitter Test Results

3.1 Antenna Power

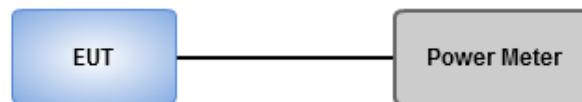
3.1.1 Limit of Antenna Power

Mode	Limit	Tolerance
1) FH, FH+DS, FH+OFDM	3 mW / MHz	+20 % , -80 %
2) OFDM(Narrow- bandwidht), DS	10 mW / MHz	
3) Other than 1) & 2)	10mW	
4) OFDM (Wide-band)	5 mW / MHz	

3.1.2 Test Procedures

Measure the total power by Power Meter

3.1.3 Test Setup



3.1.4 Test Result of Maximum Transmit Power

Refer to Appendix A1, A2

3.2 Frequency Tolerance

3.2.1 Limit of Frequency Tolerance

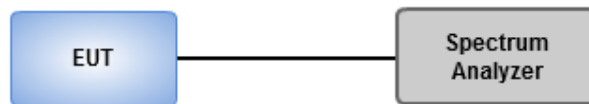
Frequency tolerance shall be +/- 50ppm.

3.2.2 Test Procedures

1. Set Span = 150kHz, RBW = 1kHz, VBW = 30kHz, Sweep time = Auto, detector = Peak.
2. Use Peak search function to find the max peak value and record this value (RF).
3. Calculate frequency tolerance by below formula
$$FT(ppm) = \{ (RF) - (MF) / (MF) \} \times 1000000$$

(FT: Frequency Tolerance, RF: Reading Frequency, MF: Measurement Frequency.)

3.2.3 Test Setup



3.2.4 Test Result of Frequency Tolerance

Refer to Appendix B

3.3 Occupied Bandwidth

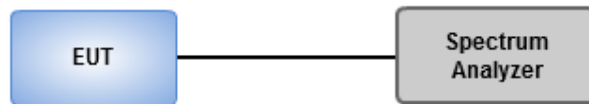
3.3.1 Limit of Occupied Bandwidth

Mode	Limit (MHz)
FH	83.5
FH+DS	83.5
FH+OFDM	83.5
OFDM(Narrow- bandwidht), DS	26
Others	26
OFDM (Wide-band)	38

3.3.2 Test Procedures

1. Set Span = 40MHz, RBW = VBW = 300kHz, detector = Peak, Sweep time = Auto.
2. Enable OBW function of spectrum analyzer to measure OBW and capture test plot.

3.3.3 Test Setup



3.3.4 Test Result of Occupied Bandwidth

Refer to Appendix C

3.4 Transmitter Spurious Emissions

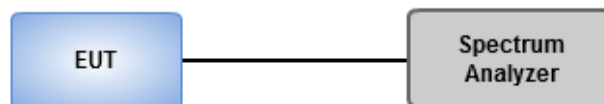
3.4.1 Limit of Transmitter Spurious Emissions

Item	Limits
Tx Spurious Emission	$\leq 2.5 \mu\text{W}$ ($2387\text{MHz} > f$; $2496.5\text{MHz} < f$).
	$\leq 25 \mu\text{W}$. ($2387\text{MHz} \leq f < 2400\text{MHz}$) and ($2483.5\text{MHz} < f \leq 2496.5\text{MHz}$).

3.4.2 Test Procedures

1. Set EUT to transmit at rated power and channel to perform test.
2. Set RBW = VBW = 1MHz, Detector type = Peak, Sweep time = Auto.
3. Following above setting of spectrum analyzer to measure spurious emission of 30~12500 MHz.

3.4.3 Test Setup



3.4.4 Test Result of Transmitter Spurious Emissions

Refer to Appendix D

3.5 Interference Prevention Function

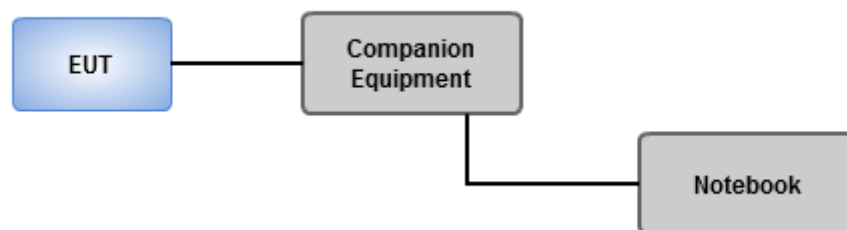
3.5.1 Limit of Interference Prevention Function

Limits
The identification code shall be 48 bits long

3.5.2 Test Procedures

1. Set EUT under operating mode and link up with companion equipment
2. Check communication status between EUT and companion equipment is normal
3. Confirm the MAC address of EUT

3.5.3 Test Setup



3.5.4 Test Result of Interference Prevention Function

Refer to Appendix E

4 Receiver Test Results

4.1 Receiver Spurious Emissions

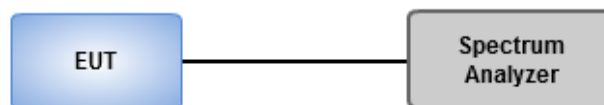
4.1.1 Limit of Receiver Spurious Emissions

Item	Limits
Rx Spurious Emission	$\leq 4\text{nW}$ ($f < 1\text{GHz}$).
	$\leq 20\text{nW}$ ($1\text{GHz} \leq f$).

4.1.2 Test Procedures

1. Set EUT under receiving condition to perform test
2. Set RBW = VBW = 100kHz, detector = Peak, Sweep time = Auto for emission measurement below 1GHz.
3. Set RBW = VBW=1MHz, detector = Peak, Sweep time = Auto for emission measurement above 1GHz.

4.1.3 Test Setup



4.1.4 Test Result of Receiver Spurious Emissions

Refer to Appendix F

5 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

Linkou

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou
District, New Taipei City, Taiwan
(R.O.C.)

Kwei Shan

Tel: 886-3-271-8666

No.3-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)
No.2-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information

Tel: 886-3-271-8666

Fax: 886-3-318-0345

Email: ICC_Service@icertifi.com.tw

==END==



Total Power-DTS Result

Appendix A.1

Summary

Mode	Power (dBm)	Power (mW)	EIRP (dBm)	EIRP (mW)
2.4-2.4835GHz	-	-	-	-
BT-LE(1Mbps)	4.38	2.74157	5.71	3.724

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power (mW)	Power Lim. (mW)	EIRP (dBm)	EIRP (mW)	EIRP Lim. (mW)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	1.33	4.38	2.74157	10	5.71	3.724	16.368
2402MHz_TnomVmin	Pass	1.33	4.37	2.73527	10	5.70	3.715	16.368
2402MHz_TnomVmax	Pass	1.33	4.38	2.74157	10	5.71	3.724	16.368
2440MHz_TnomVnom	Pass	1.33	4.11	2.57632	10	5.44	3.499	16.368
2440MHz_TnomVmin	Pass	1.33	4.09	2.56448	10	5.42	3.483	16.368
2440MHz_TnomVmax	Pass	1.33	4.11	2.57632	10	5.44	3.499	16.368
2480MHz_TnomVnom	Pass	1.33	3.86	2.43220	10	5.19	3.304	16.368
2480MHz_TnomVmin	Pass	1.33	3.86	2.43220	10	5.19	3.304	16.368
2480MHz_TnomVmax	Pass	1.33	3.86	2.43220	10	5.19	3.304	16.368



Power Tolerance-DTS Result

Appendix A.2

Summary

Mode	Result	Power (dBm)	Power (mW)	Declare (mW)	Tolerance (%)	Limit+ (%)	Limit- (%)
2.4-2.4835GHz	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	4.38	2.74157	3.00	-8.61	20	-80

Result

Mode	Result	Power (dBm)	Power (mW)	Declare (mW)	Tolerance (%)	Limit+ (%)	Limit- (%)
BT-LE(1Mbps)	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	4.38	2.74157	3.00	-8.61	20	-80
2402MHz_TnomVmin	Pass	4.37	2.73527	3.00	-8.82	20	-80
2402MHz_TnomVmax	Pass	4.38	2.74157	3.00	-8.61	20	-80
2440MHz_TnomVnom	Pass	4.11	2.57632	3.00	-14.12	20	-80
2440MHz_TnomVmin	Pass	4.09	2.56448	3.00	-14.52	20	-80
2440MHz_TnomVmax	Pass	4.11	2.57632	3.00	-14.12	20	-80
2480MHz_TnomVnom	Pass	3.86	2.43220	3.00	-18.93	20	-80
2480MHz_TnomVmin	Pass	3.86	2.43220	3.00	-18.93	20	-80
2480MHz_TnomVmax	Pass	3.86	2.43220	3.00	-18.93	20	-80



Frequency Tolerance-DTS Result

Appendix B

Summary

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
2.4-2.4835GHz	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.402G	2.40201173G	4.885	±50	1	-



Frequency Tolerance-DTS Result

Appendix B

Result

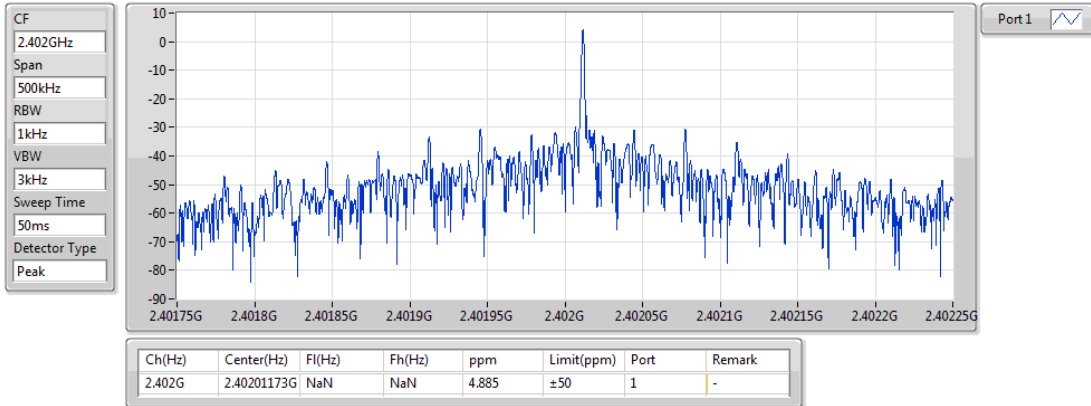
Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
BT-LE(1Mbps)	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402G	2.40201173G	4.885	±50	1	-
2402MHz_TnomVmin	Pass	2.402G	2.40201173G	4.883	±50	1	-
2402MHz_TnomVmax	Pass	2.402G	2.40201173G	4.881	±50	1	-
2440MHz_TnomVnom	Pass	2.44G	2.44001192G	4.884	±50	1	-
2440MHz_TnomVmin	Pass	2.44G	2.44001191G	4.882	±50	1	-
2440MHz_TnomVmax	Pass	2.44G	2.44001191G	4.88	±50	1	-
2480MHz_TnomVnom	Pass	2.48G	2.48001211G	4.883	±50	1	-
2480MHz_TnomVmin	Pass	2.48G	2.4800121G	4.879	±50	1	-
2480MHz_TnomVmax	Pass	2.48G	2.4800121G	4.877	±50	1	-



BT-LE(1Mbps)

Freq. Stability

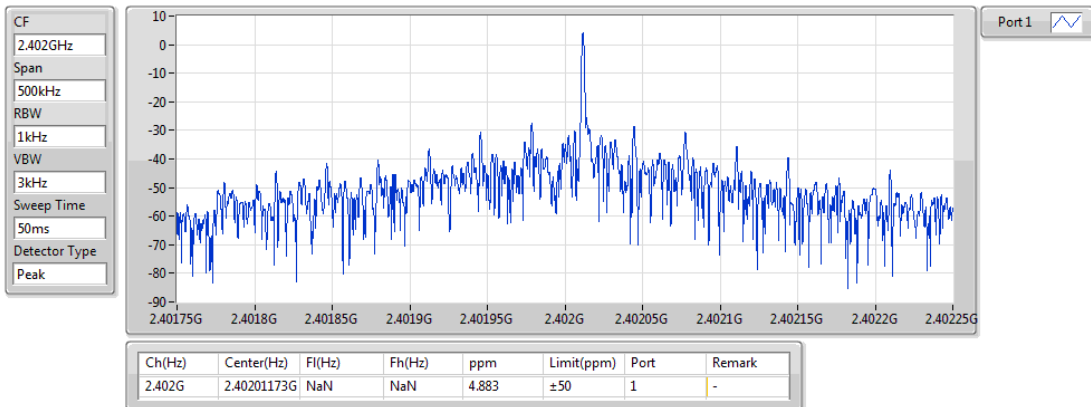
2402MHz_TnomVnom



BT-LE(1Mbps)

Freq. Stability

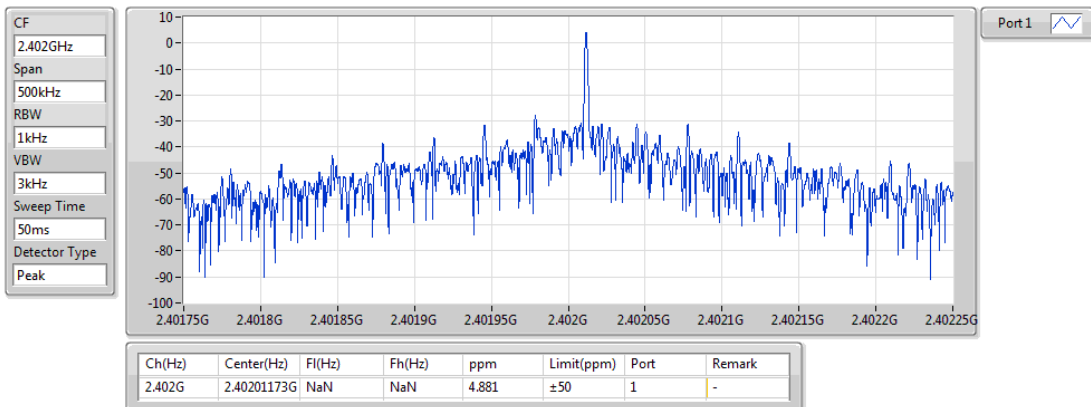
2402MHz_TnomVmin



BT-LE(1Mbps)

Freq. Stability

2402MHz_TnomVmax

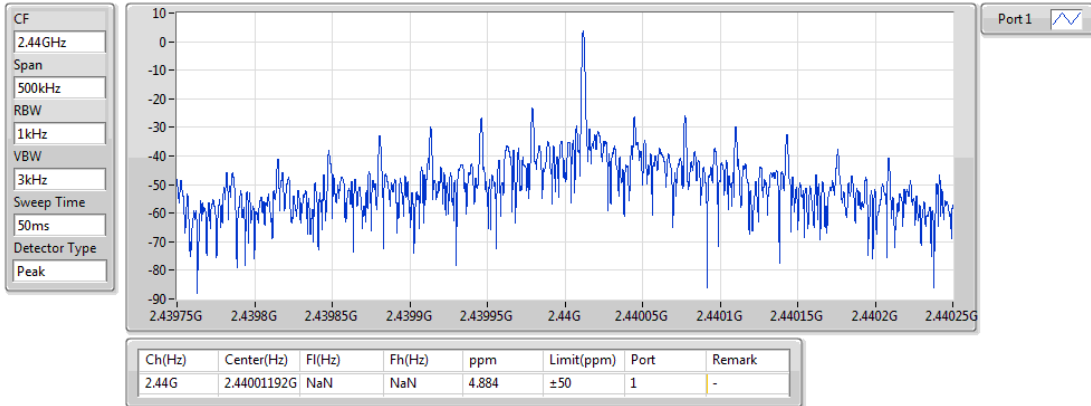




BT-LE(1Mbps)

Freq. Stability

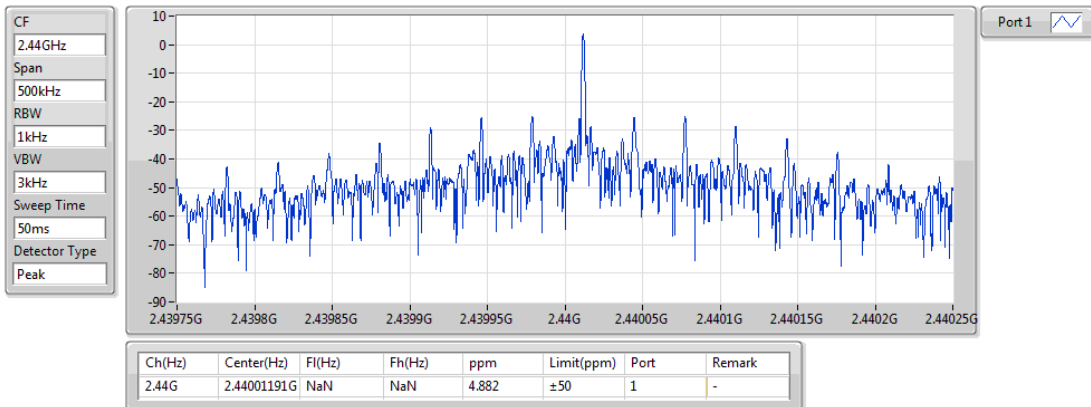
2440MHz_TnomVnom



BT-LE(1Mbps)

Freq. Stability

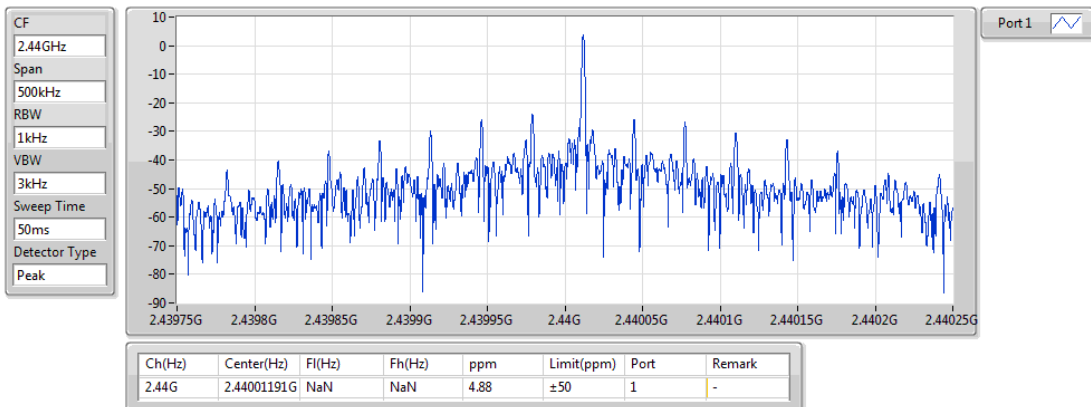
2440MHz_TnomVmin



BT-LE(1Mbps)

Freq. Stability

2440MHz_TnomVmax

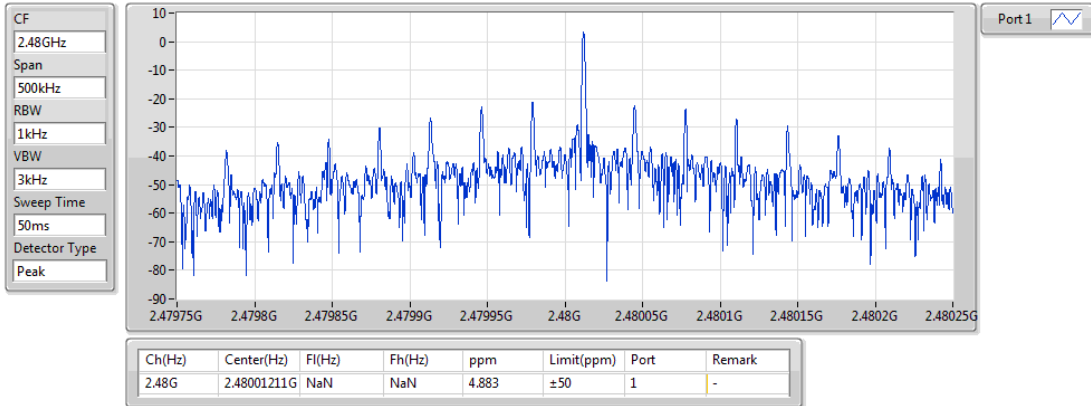




BT-LE(1Mbps)

Freq. Stability

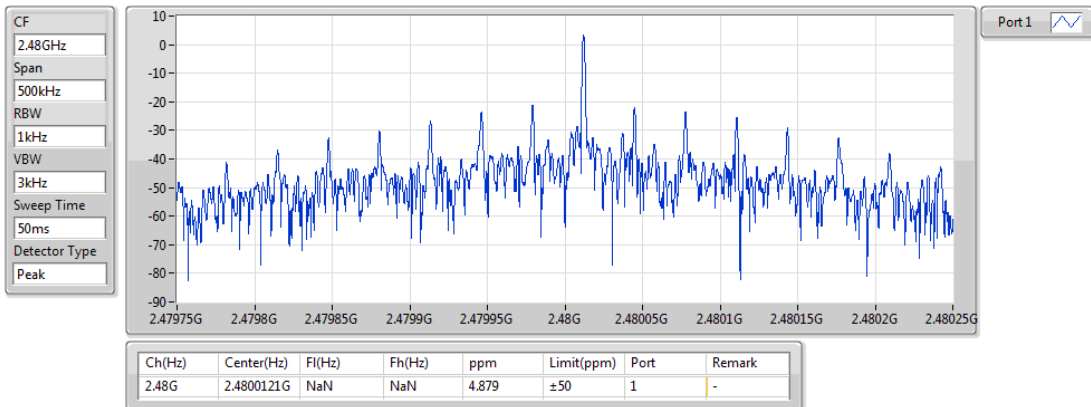
2480MHz_TnomVnom



BT-LE(1Mbps)

Freq. Stability

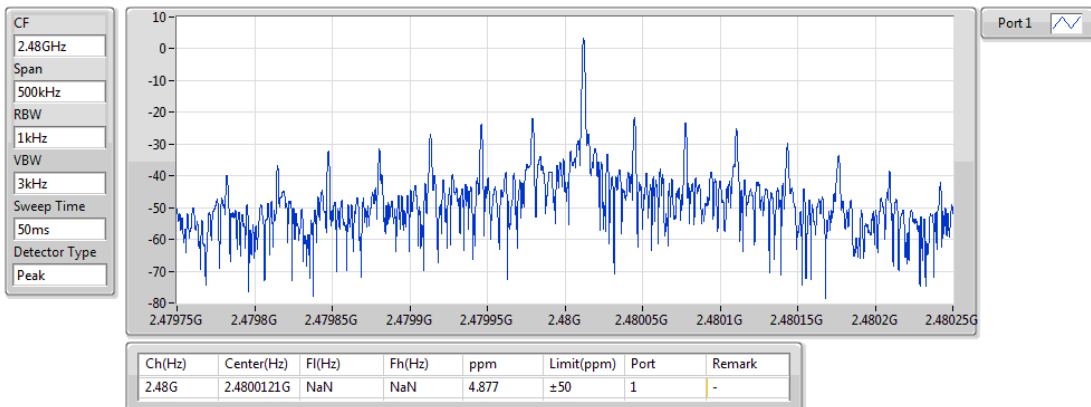
2480MHz_TnomVmin



BT-LE(1Mbps)

Freq. Stability

2480MHz_TnomVmax





Occupied Bandwidth-DTS Result

Appendix C

Summary

Mode	Max-OBW (Hz)	ITU-Code	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-
BT-LE(1Mbps)	1.464M	1M46F1D	1.427M

Max-OBW = Maximum 99% occupied bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	P1-OBW (Hz)
BT-LE(1Mbps)	-	-	-
2402MHz_TnomVnom	Pass	26M	1.432M
2402MHz_TnomVmin	Pass	26M	1.431M
2402MHz_TnomVmax	Pass	26M	1.427M
2440MHz_TnomVnom	Pass	26M	1.432M
2440MHz_TnomVmin	Pass	26M	1.435M
2440MHz_TnomVmax	Pass	26M	1.433M
2480MHz_TnomVnom	Pass	26M	1.456M
2480MHz_TnomVmin	Pass	26M	1.464M
2480MHz_TnomVmax	Pass	26M	1.456M

P1-OBW = Port 1 99% occupied bandwidth;



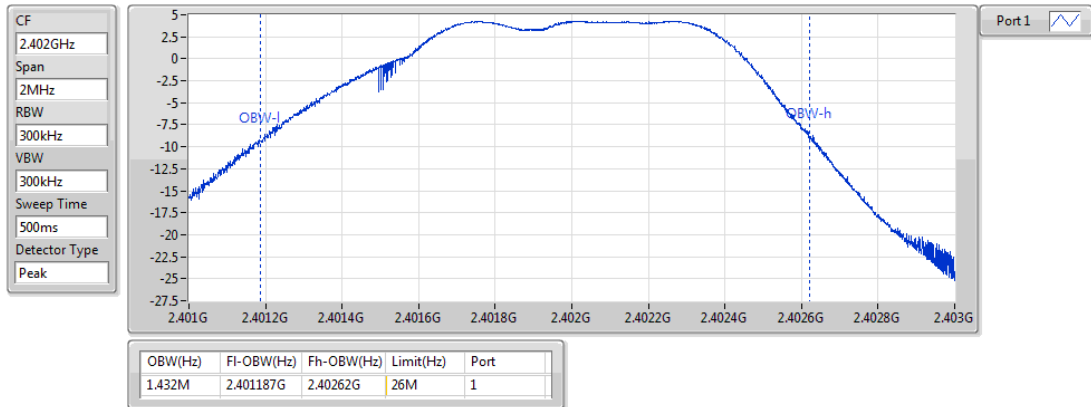
Occupied Bandwidth-DTS Result

Appendix C

BT-LE(1Mbps)

OBW

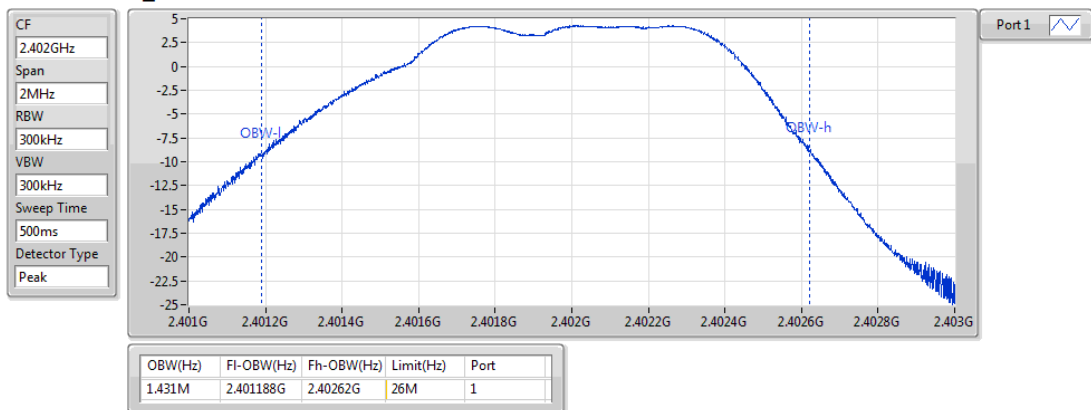
2402MHz_TnomVnom



BT-LE(1Mbps)

OBW

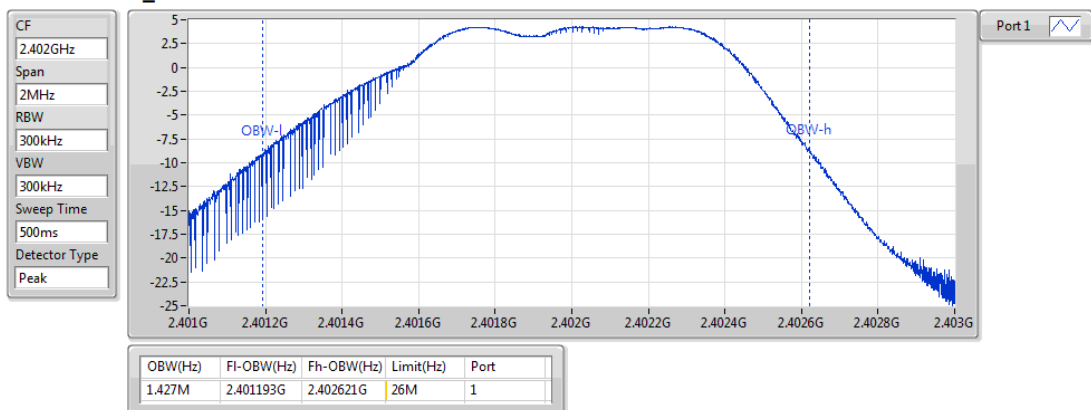
2402MHz_TnomVmin



BT-LE(1Mbps)

OBW

2402MHz_TnomVmax





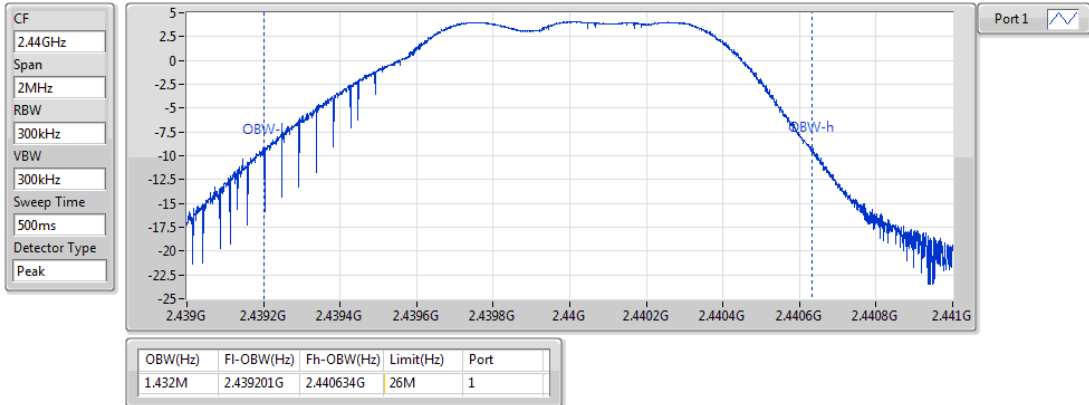
Occupied Bandwidth-DTS Result

Appendix C

BT-LE(1Mbps)

OBW

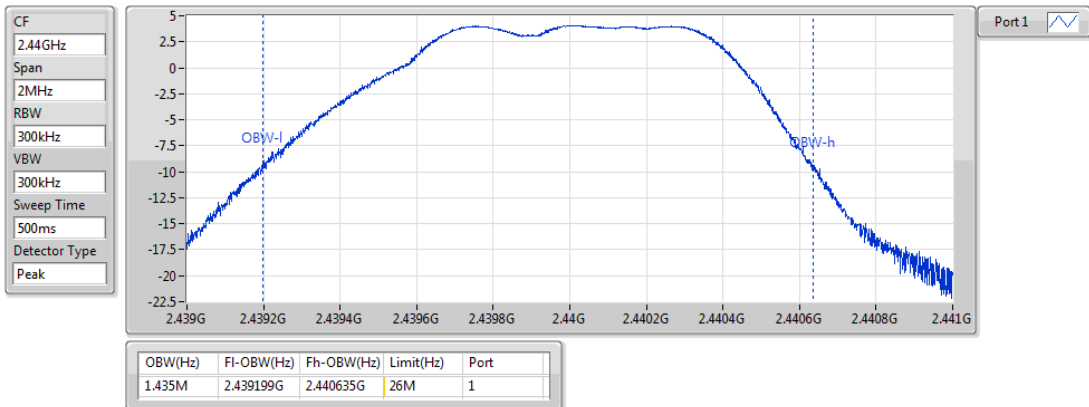
2440MHz_TnomVnom



BT-LE(1Mbps)

OBW

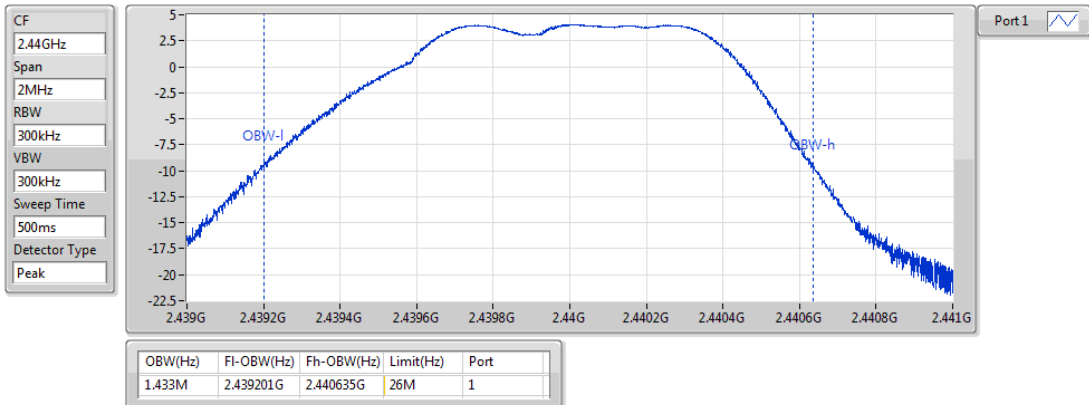
2440MHz_TnomVmin



BT-LE(1Mbps)

OBW

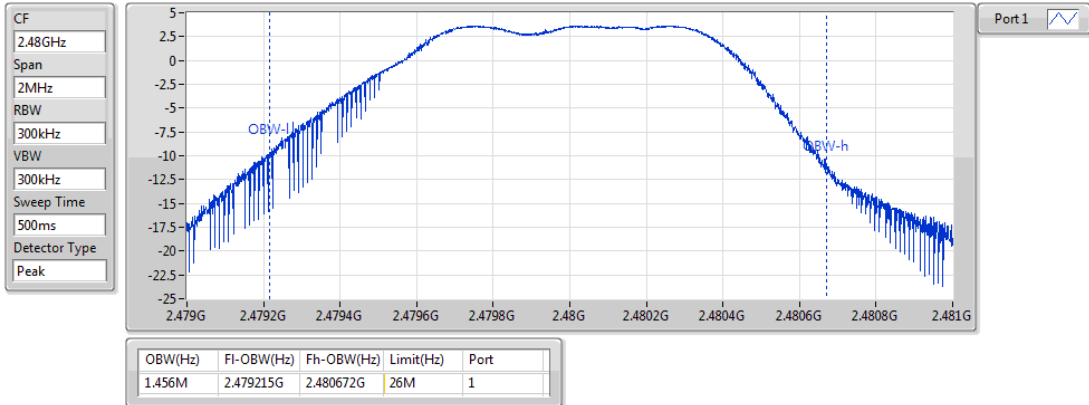
2440MHz_TnomVmax



BT-LE(1Mbps)

OBW

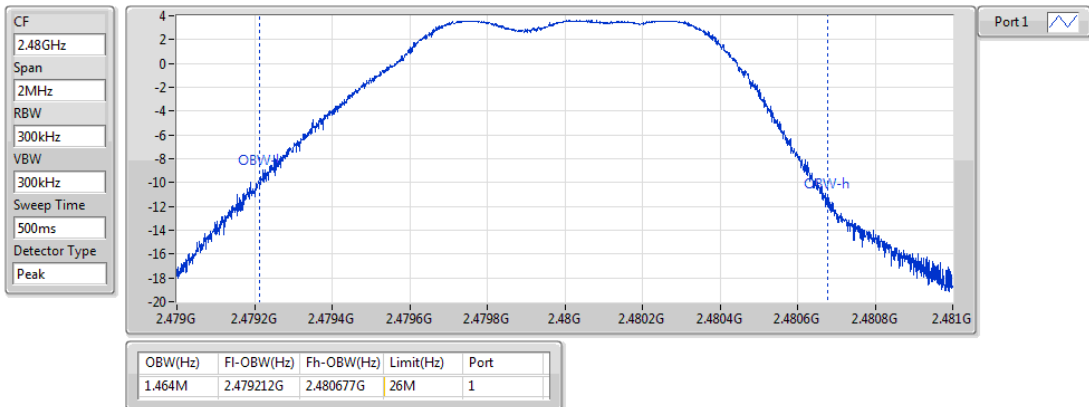
2480MHz_TnomVnom



BT-LE(1Mbps)

OBW

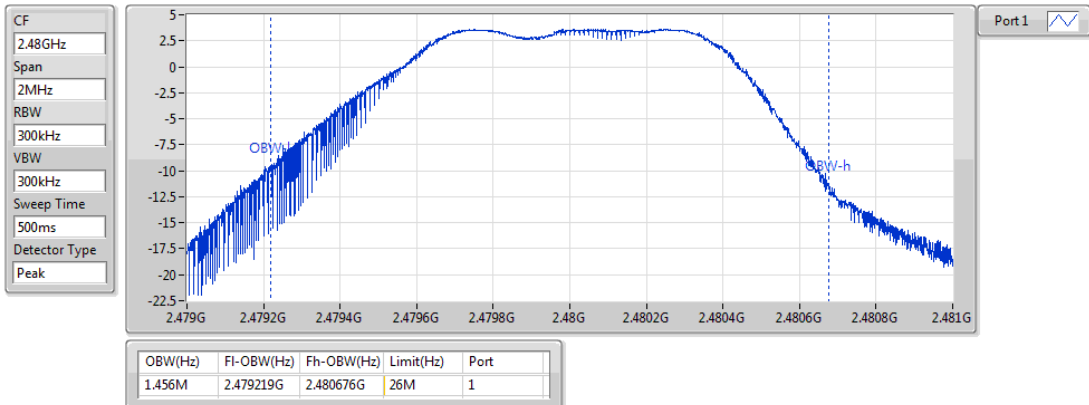
2480MHz_TnomVmin



BT-LE(1Mbps)

OBW

2480MHz_TnomVmax





CSE-TX Unwanted Emission Strength-DTS Result

Appendix D

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm)	Psum (uW/MHz)	Limit (dBm)	Limit (uW/MHz)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.4965G	12.5G	1M	9.60774G	-39.59	0.1099	-26.02	2.5

**CSE-TX Unwanted Emission Strength-DTS Result****Appendix D****Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm)	Psum (uW/MHz)	Limit (dBm)	Limit (uW/MHz)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	30M	2.387G	1M	2.387G	-54.51	0.00354	-26.02	2.5
2402MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.39997G	-33.78	0.41879	-16.02	25
2402MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.48392G	-55.15	0.00305	-16.02	25
2402MHz_TnomVnom	Pass	2.4965G	12.5G	1M	9.60774G	-39.59	0.1099	-26.02	2.5
2402MHz_TnomVmin	Pass	30M	2.387G	1M	2.29626G	-55.01	0.00316	-26.02	2.5
2402MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.39997G	-34.04	0.39446	-16.02	25
2402MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.4925G	-55.23	0.003	-16.02	25
2402MHz_TnomVmin	Pass	2.4965G	12.5G	1M	9.60899G	-39.80	0.10471	-26.02	2.5
2402MHz_TnomVmax	Pass	30M	2.387G	1M	2.387G	-54.51	0.00354	-26.02	2.5
2402MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.39997G	-33.95	0.40272	-16.02	25
2402MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.4862G	-55.17	0.00304	-16.02	25
2402MHz_TnomVmax	Pass	2.4965G	12.5G	1M	9.60774G	-39.90	0.10233	-26.02	2.5
2440MHz_TnomVnom	Pass	30M	2.387G	1M	2.27504G	-55.18	0.00303	-26.02	2.5
2440MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.39906G	-55.67	0.00271	-16.02	25
2440MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.48784G	-55.12	0.00308	-16.02	25
2440MHz_TnomVnom	Pass	2.4965G	12.5G	1M	4.87983G	-41.18	0.07621	-26.02	2.5
2440MHz_TnomVmin	Pass	30M	2.387G	1M	2.25737G	-55.03	0.00314	-26.02	2.5
2440MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.39912G	-55.64	0.00273	-16.02	25
2440MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48542G	-55.19	0.00303	-16.02	25
2440MHz_TnomVmin	Pass	2.4965G	12.5G	1M	4.87983G	-40.45	0.09016	-26.02	2.5
2440MHz_TnomVmax	Pass	30M	2.387G	1M	2.2939G	-54.86	0.00327	-26.02	2.5
2440MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.39561G	-55.66	0.00272	-16.02	25
2440MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.48802G	-55.16	0.00305	-16.02	25
2440MHz_TnomVmax	Pass	2.4965G	12.5G	1M	4.87983G	-40.99	0.07962	-26.02	2.5
2480MHz_TnomVnom	Pass	30M	2.387G	1M	2.34457G	-54.97	0.00318	-26.02	2.5
2480MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.39771G	-55.70	0.00269	-16.02	25
2480MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.4836G	-47.18	0.01914	-16.02	25
2480MHz_TnomVnom	Pass	2.4965G	12.5G	1M	4.95986G	-40.88	0.08166	-26.02	2.5
2480MHz_TnomVmin	Pass	30M	2.387G	1M	2.29626G	-54.95	0.0032	-26.02	2.5
2480MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.39805G	-55.70	0.00269	-16.02	25
2480MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48355G	-47.54	0.01762	-16.02	25
2480MHz_TnomVmin	Pass	2.4965G	12.5G	1M	4.95986G	-41.08	0.07798	-26.02	2.5
2480MHz_TnomVmax	Pass	30M	2.387G	1M	2.26444G	-54.81	0.0033	-26.02	2.5

**CSE-TX Unwanted Emission Strength-DTS Result**

Appendix D

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm)	Psum (uW/MHz)	Limit (dBm)	Limit (uW/MHz)
2480MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.39987G	-55.66	0.00272	-16.02	25
2480MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.4836G	-47.42	0.01811	-16.02	25
2480MHz_TnomVmax	Pass	2.4965G	12.5G	1M	4.95986G	-40.32	0.0929	-26.02	2.5



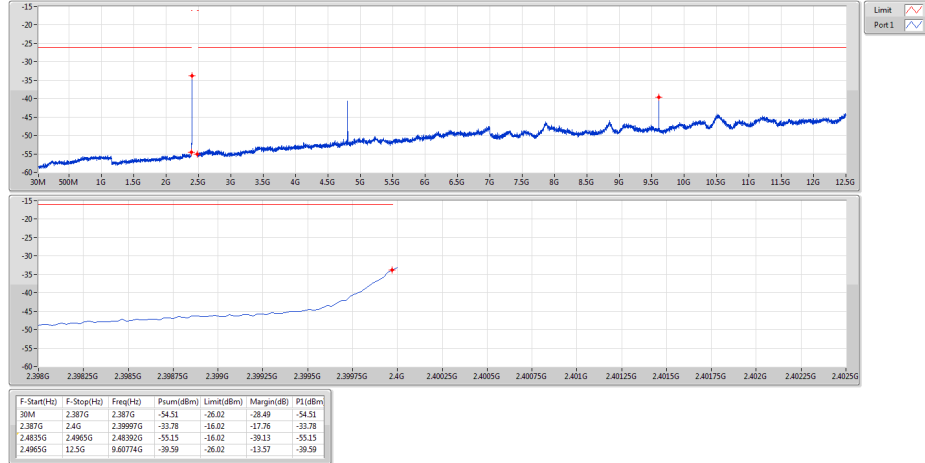
CSE-TX Unwanted Emission Strength-DTS Result

Appendix D

BT-LE(1Mbps)

CSE-TX-DTS

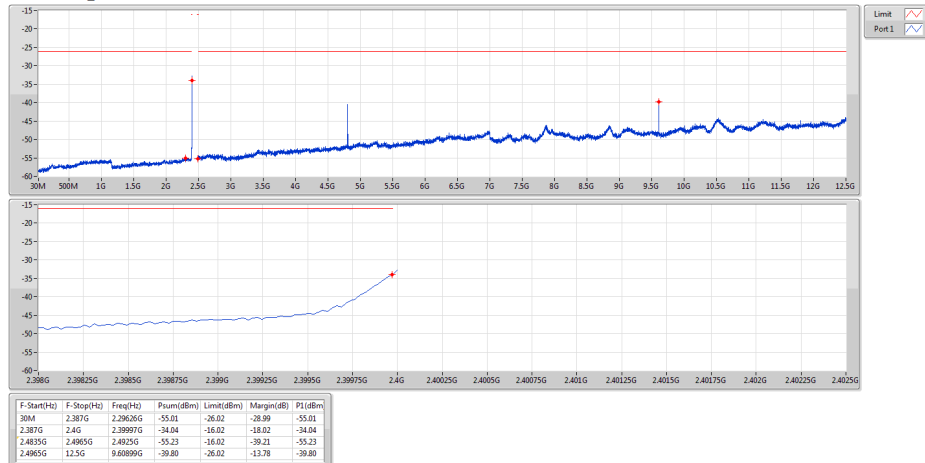
2402MHz_TnomVnom



BT-LE(1Mbps)

CSE-TX-DTS

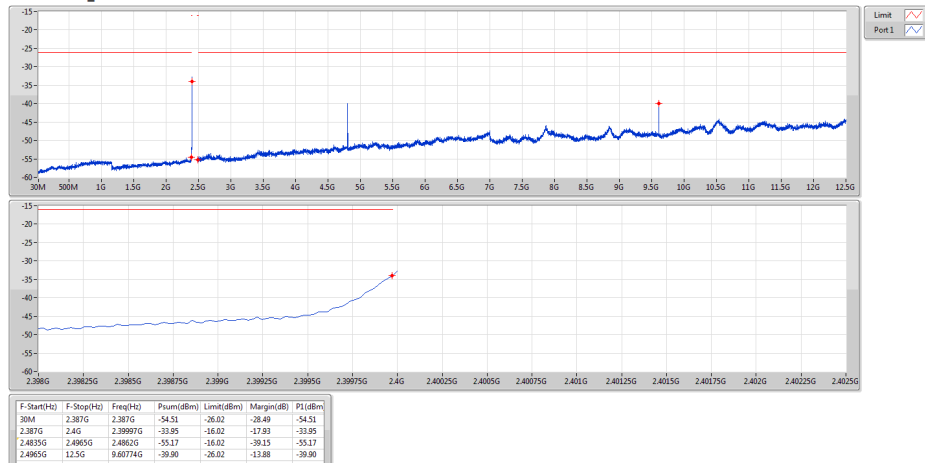
2402MHz_TnomVmin



BT-LE(1Mbps)

CSE-TX-DTS

2402MHz_TnomVmax





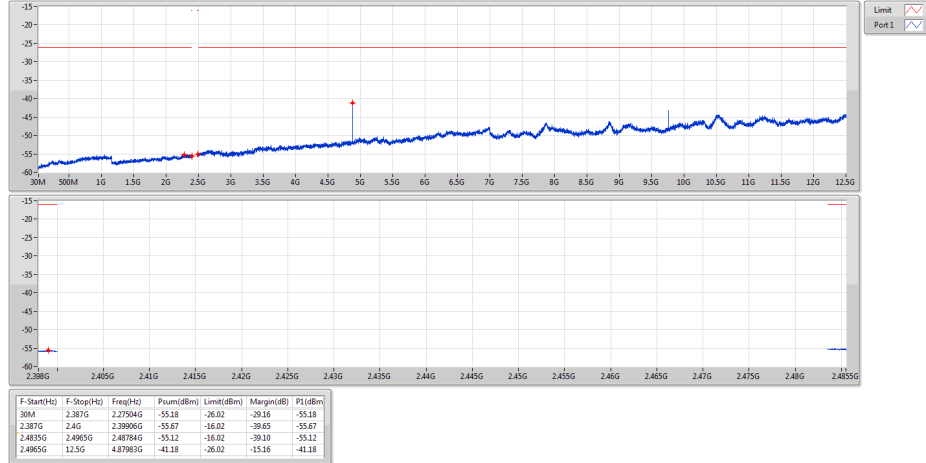
CSE-TX Unwanted Emission Strength-DTS Result

Appendix D

BT-LE(1Mbps)

CSE-TX-DTS

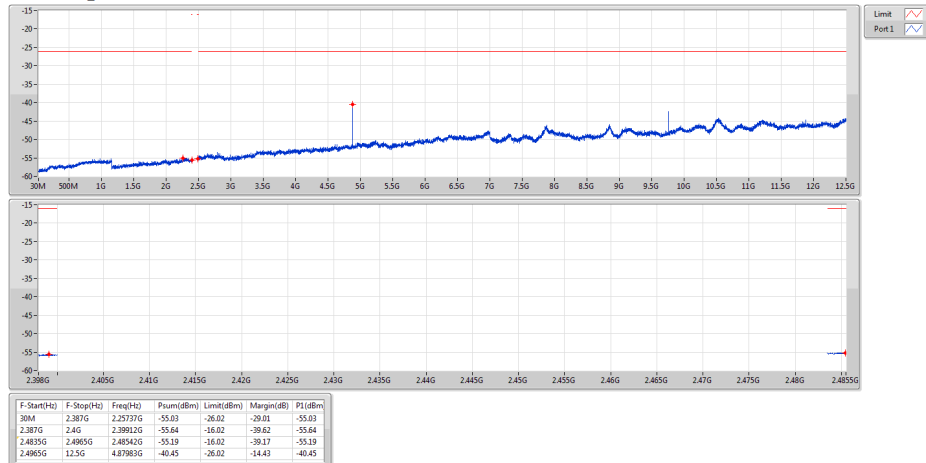
2440MHz_TnomVnom



BT-LE(1Mbps)

CSE-TX-DTS

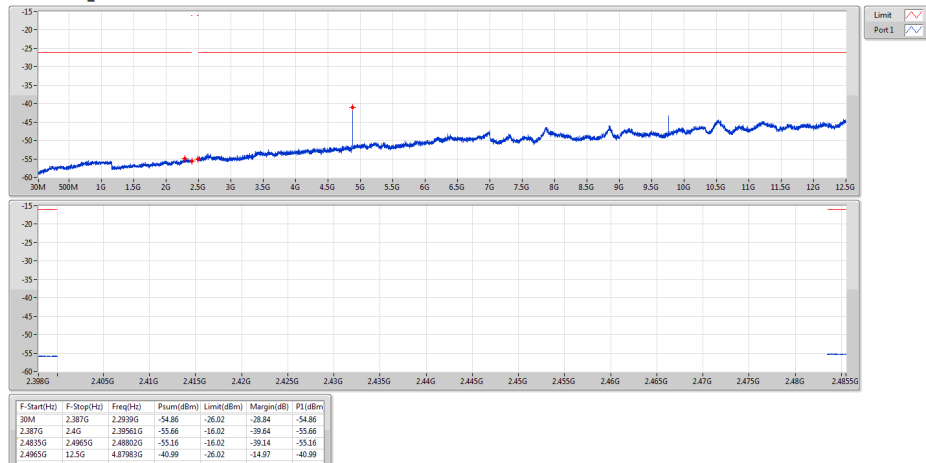
2440MHz_TnomVmin



BT-LE(1Mbps)

CSE-TX-DTS

2440MHz_TnomVmax





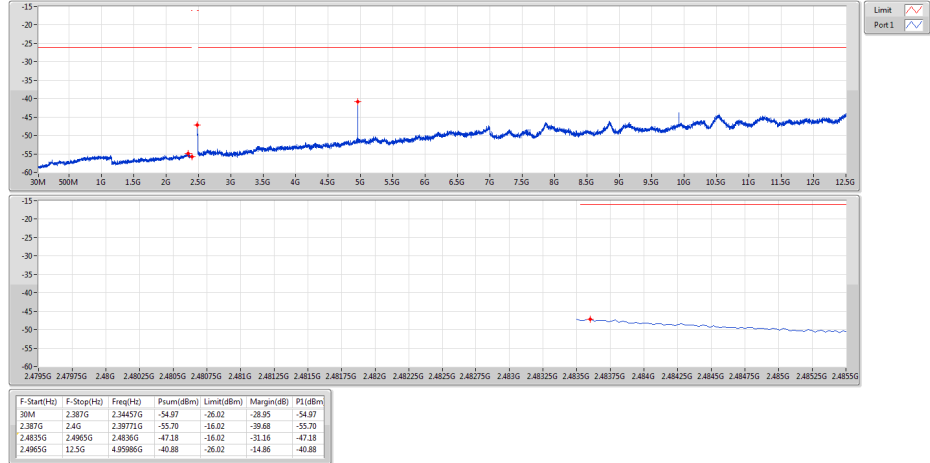
CSE-TX Unwanted Emission Strength-DTS Result

Appendix D

BT-LE(1Mbps)

CSE-TX-DTS

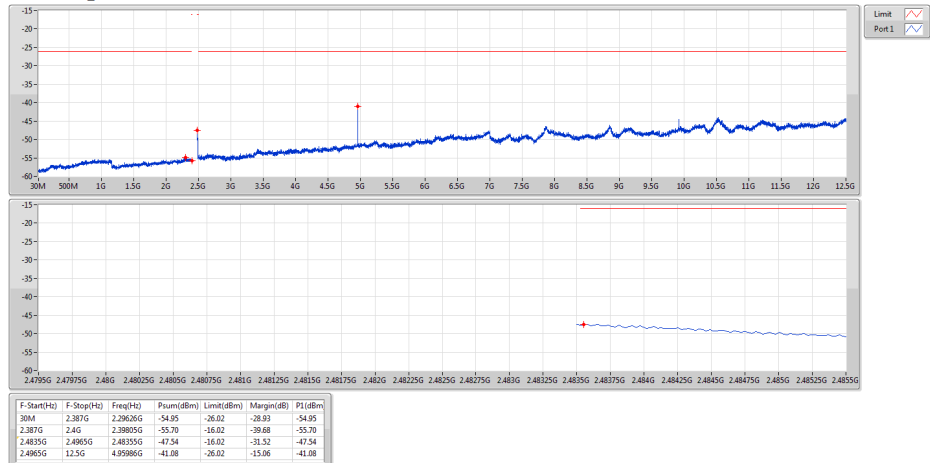
2480MHz_TnomVnom



BT-LE(1Mbps)

CSE-TX-DTS

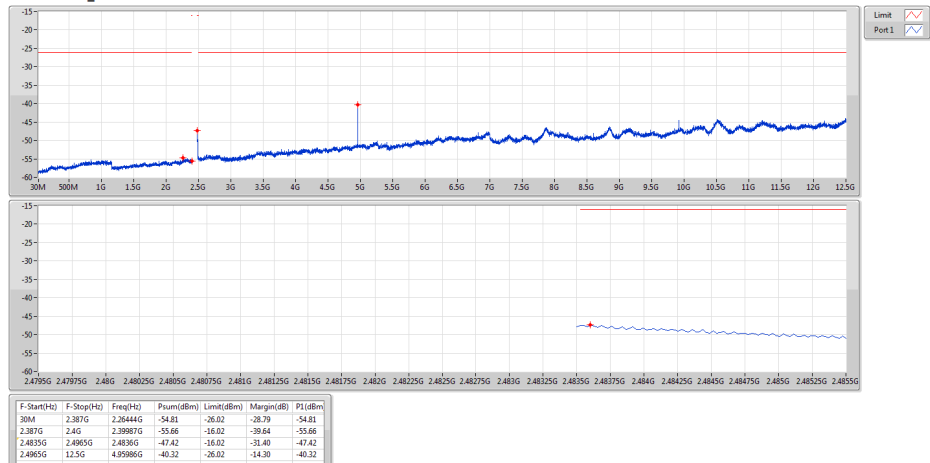
2480MHz_TnomVmin



BT-LE(1Mbps)

CSE-TX-DTS

2480MHz_TnomVmax





Interference Prevention Function-DTSResult

Appendix E

Summary

Mode	Result	ID Length	ID Limit	Function
2.4-2.4835GHz	-	-	-	-
BT-LE(1Mbps)	Pass	48 bits	48 bits	Good



Interference Prevention Function-DTSResult

Appendix E

Result

Mode	Result	ID Length	ID Limit	Function
BT-LE(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	48 bits	48 bits	Good
2402MHz_TnomVmin	Pass	48 bits	48 bits	Good
2402MHz_TnomVmax	Pass	48 bits	48 bits	Good
2440MHz_TnomVnom	Pass	48 bits	48 bits	Good
2440MHz_TnomVmin	Pass	48 bits	48 bits	Good
2440MHz_TnomVmax	Pass	48 bits	48 bits	Good
2480MHz_TnomVnom	Pass	48 bits	48 bits	Good
2480MHz_TnomVmin	Pass	48 bits	48 bits	Good
2480MHz_TnomVmax	Pass	48 bits	48 bits	Good

**CSE-RX Secondary Radiated Emissions-DTS Result**

Appendix F

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm)	Psum (nW/MHz)	Limit (dBm)	Limit (nW/MHz)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	1G	12.5G	1M	10.52344G	-72.03	0.06266	-46.99	20

**CSE-RX Secondary Radiated Emissions-DTS Result**

Appendix F

Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm)	Psum (nW/MHz)	Limit (dBm)	Limit (nW/MHz)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	30M	1G	100k	956.35M	-93.99	0.0004	-53.98	4
2402MHz_TnomVnom	Pass	1G	12.5G	1M	10.52488G	-75.37	0.02904	-46.99	20
2402MHz_TnomVmin	Pass	30M	1G	100k	958.78M	-91.90	0.00065	-53.98	4
2402MHz_TnomVmin	Pass	1G	12.5G	1M	10.52488G	-74.98	0.03177	-46.99	20
2402MHz_TnomVmax	Pass	30M	1G	100k	952.96M	-94.76	0.00033	-53.98	4
2402MHz_TnomVmax	Pass	1G	12.5G	1M	12.49713G	-76.09	0.0246	-46.99	20
2440MHz_TnomVnom	Pass	30M	1G	100k	746.35M	-93.83	0.00041	-53.98	4
2440MHz_TnomVnom	Pass	1G	12.5G	1M	10.52344G	-75.97	0.02529	-46.99	20
2440MHz_TnomVmin	Pass	30M	1G	100k	958.78M	-95.29	0.0003	-53.98	4
2440MHz_TnomVmin	Pass	1G	12.5G	1M	10.52344G	-72.03	0.06266	-46.99	20
2440MHz_TnomVmax	Pass	30M	1G	100k	939.38M	-94.03	0.0004	-53.98	4
2440MHz_TnomVmax	Pass	1G	12.5G	1M	10.53206G	-75.71	0.02685	-46.99	20
2480MHz_TnomVnom	Pass	30M	1G	100k	958.78M	-93.94	0.0004	-53.98	4
2480MHz_TnomVnom	Pass	1G	12.5G	1M	12.48994G	-76.20	0.02399	-46.99	20
2480MHz_TnomVmin	Pass	30M	1G	100k	770.11M	-95.80	0.00026	-53.98	4
2480MHz_TnomVmin	Pass	1G	12.5G	1M	10.52488G	-72.25	0.05957	-46.99	20
2480MHz_TnomVmax	Pass	30M	1G	100k	939.38M	-94.35	0.00037	-53.98	4
2480MHz_TnomVmax	Pass	1G	12.5G	1M	10.52344G	-75.34	0.02924	-46.99	20



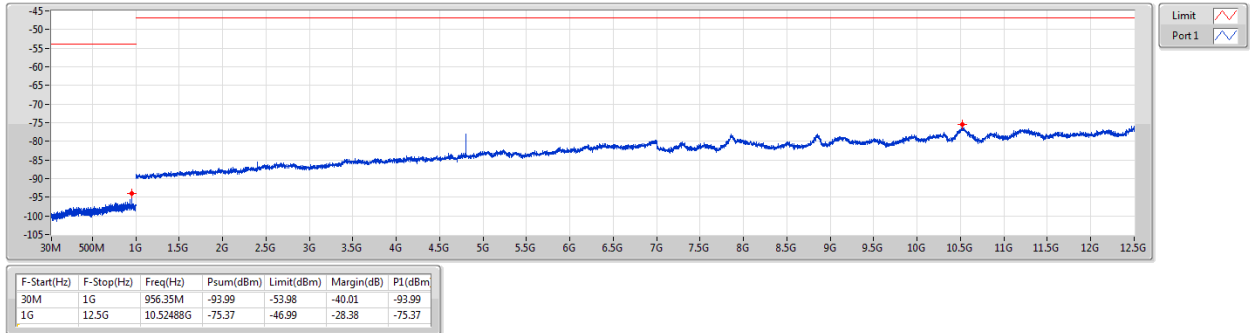
CSE-RX Secondary Radiated Emissions-DTS Result

Appendix F

BT-LE(1Mbps)

CSE-RX-DTS

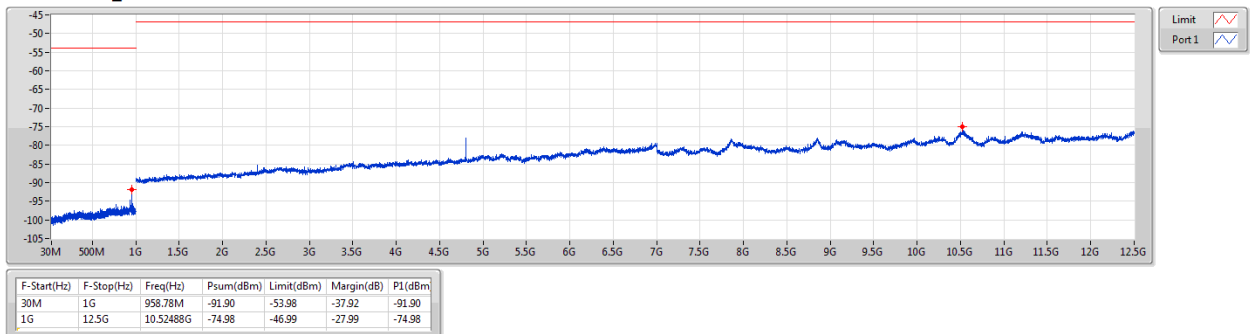
2402MHz_TnomVnom



BT-LE(1Mbps)

CSE-RX-DTS

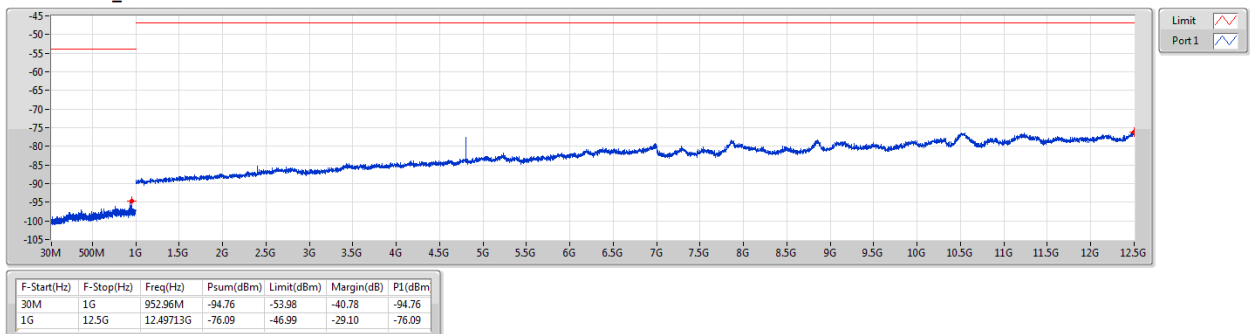
2402MHz_TnomVmin



BT-LE(1Mbps)

CSE-RX-DTS

2402MHz_TnomVmax





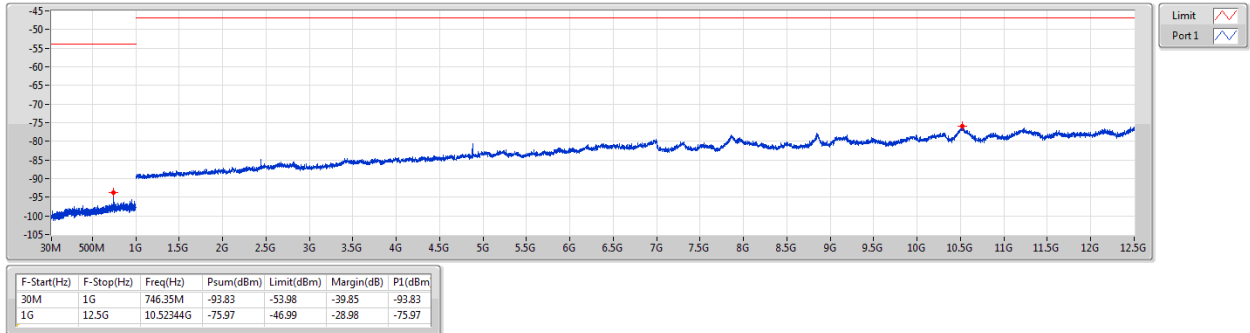
CSE-RX Secondary Radiated Emissions-DTS Result

Appendix F

BT-LE(1Mbps)

CSE-RX-DTS

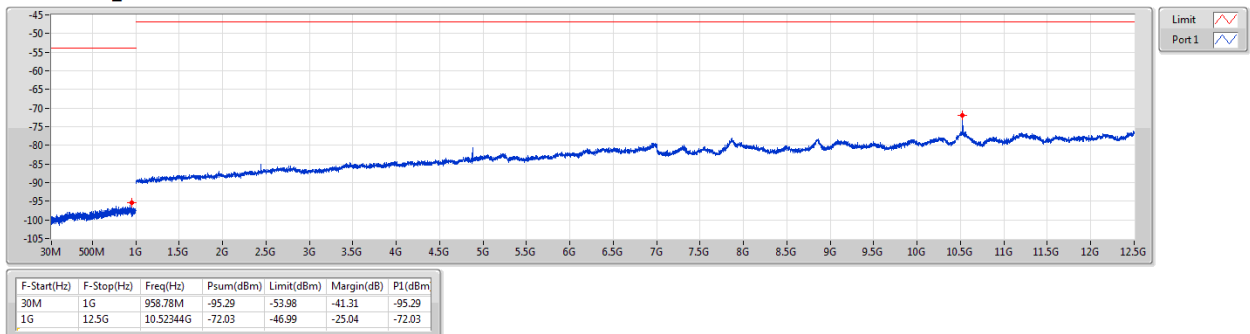
2440MHz_TnomVnom



BT-LE(1Mbps)

CSE-RX-DTS

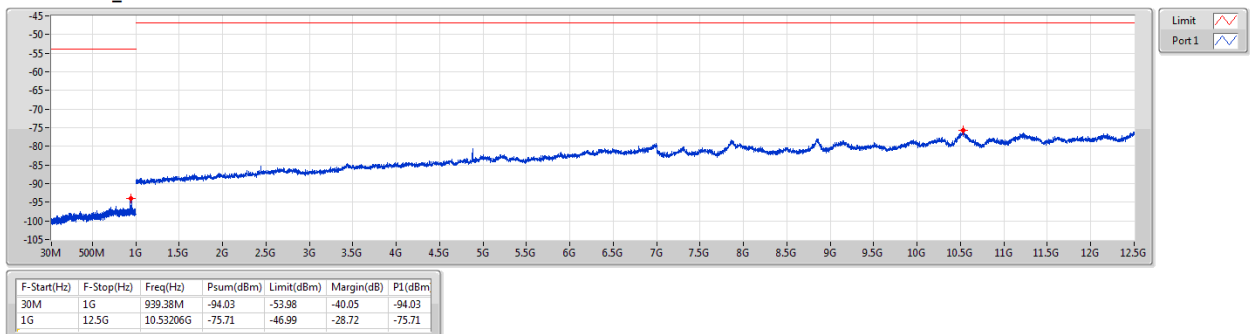
2440MHz_TnomVmin



BT-LE(1Mbps)

CSE-RX-DTS

2440MHz_TnomVmax





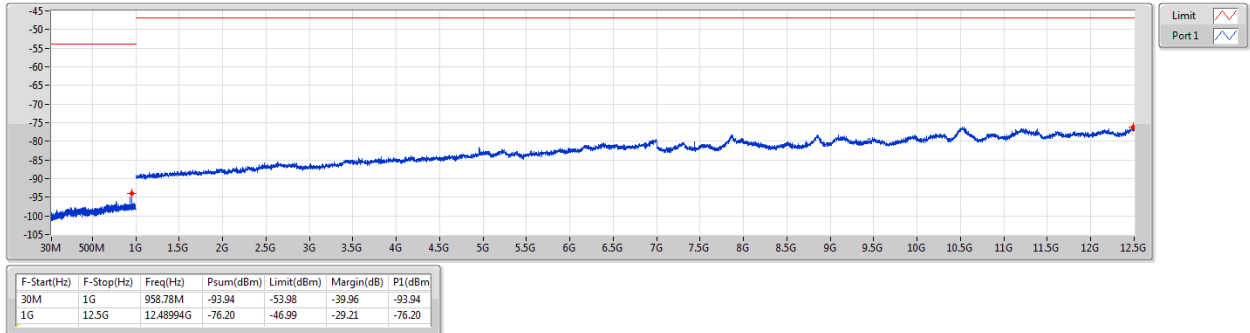
CSE-RX Secondary Radiated Emissions-DTS Result

Appendix F

BT-LE(1Mbps)

CSE-RX-DTS

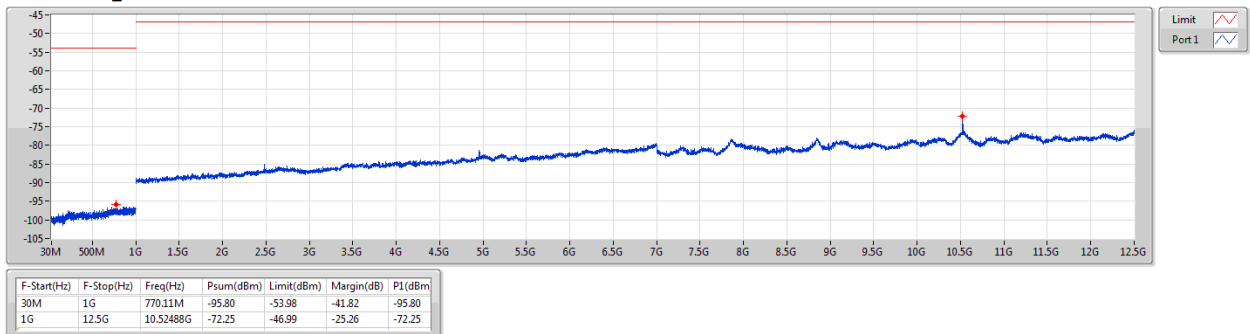
2480MHz_TnomVnom



BT-LE(1Mbps)

CSE-RX-DTS

2480MHz_TnomVmin



BT-LE(1Mbps)

CSE-RX-DTS

2480MHz_TnomVmax

