

TEST REPORT

Product Name : FM/MW/SW/LW 4 BAND RADIO WITH
Model Number : TR626
FCC ID : 2AAR8TR626

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Report Number : ENS2107300193W00602R
Date(s) of Tests : July 30, 2021 to November 9, 2021
Date of issue : November 9, 2021

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1 TEST RESULT CERTIFICATION

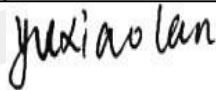
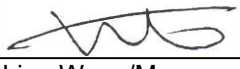
Applicant : HENAN ESHOW ELECTRONIC COMMERCE CO., LTD.
Address : Room 722, Sanjiang Building, No.170 Nanyang Road, Huiji District, Zhengzhou, Henan Province, China
Manufacturer : HENAN ESHOW ELECTRONIC COMMERCE CO., LTD.
Address : Room 722, Sanjiang Building, No.170 Nanyang Road, Huiji District, Zhengzhou, Henan Province, China
EUT : FM/MW/SW/LW 4 BAND RADIO WITH BLUETOOTH
Model Name : TR626
Trademark : RETEKES

Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
FCC 47 CFR Part 2 , Subpart J FCC 47 CFR Part 15, Subpart C	PASS

The above equipment was tested by EMTEK(SHENZHEN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 2 and Part 15.247

The test results of this report relate only to the tested sample identified in this report

Date of Test : July 30, 2021 to November 9, 2021
Prepared by : 
Yu Xiaolan /Editor
Reviewer : 
Joe Xia/Supervisor
Approve & Authorized Signer : 
Lisa Wang/Manager



2 EUT TECHNICAL DESCRIPTION

Product:	FM/MW/SW/LW 4 BAND RADIO WITH BLUETOOTH
Model Number:	TR626
Sample number:	2#
Device Type:	Bluetooth V5.1
Data Rate :	1Mbps for GFSK modulation 2Mbps for GFSK modulation
Modulation:	Bluetooth DTS: GFSK
Operating Frequency Range:	2402-2480MHz
Number of Channels:	40 Channels for Bluetooth DTS;
Transmit Power Max:	-3.35 dBm
Antenna Type:	Internal Antenna
Antenna Gain:	0 dBi
Power supply:	AC 120V, 60Hz DC 6V
Data Of Received:	July 30, 2021

Note: for more details, please refer to the User's manual of the EUT.

3 SUMMARY OF TEST RESULT

FCC Part Clause	Test Parameter	Verdict	Remark
15.247(a)(2)	DTS (6dB) Bandwidth	PASS	
15.247(b)(3)	Maximum Peak Conducted Output Power	PASS	
15.247(e)	Maximum Power Spectral Density Level	PASS	
15.247(d)	Unwanted Emission Into Non-Restricted Frequency Bands	PASS	
15.247(d) 15.209	Unwanted Emission Into Restricted Frequency Bands (conducted)	PASS	
15.247(d) 15.209	Radiated Spurious Emission	PASS	
15.207	Conducted Emission Test	PASS	
15.247(b)	Antenna Application	PASS	
	NOTE1: N/A (Not Applicable) NOTE2: According to FCC OET KDB 558074, the report use radiated measurements in the restricted frequency bands. In addition, the radiated test is also performed to ensure the emissions emanating from the device cabinet also comply with the applicable limits.		

RELATED SUBMITTAL(S) / GRANT(S):

This submittal(s) (test report) is intended for FCC ID: 2AAR8TR626 filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

4 TEST METHODOLOGY

4.1 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC 47 CFR Part 2, Subpart J

FCC 47 CFR Part 15, Subpart C

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

4.2 MEASUREMENT EQUIPMENT USED

4.2.1 Conducted Emission Test Equipment

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	DUE CAL.
Test Receiver	Rohde & Schwarz	ESCS30	828985/018	05/15/2021	05/14/2022
L.I.S.N.	Schwarzbeck	NNLK8129	8129203	05/15/2021	05/14/2022
50Ω Coaxial Switch	Anritsu	MP59B	M20531	05/15/2021	05/14/2022
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100006	05/15/2021	05/14/2022
Voltage Probe	Rohde & Schwarz	TK9416	N/A	05/15/2021	05/14/2022
I.S.N	Rohde & Schwarz	ENY22	1109.9508.02	05/15/2021	05/14/2022

4.2.2 Radiated Emission Test Equipment

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	DUE CAL.
EMI Test Receiver	Rohde & Schwarz	ESU	1302.6005.26	05/15/2021	05/14/2022
Pre-Amplifier	HP	8447D	2944A07999	05/15/2021	05/14/2022
Bilog Antenna	Schwarzbeck	VULB9163	142	05/15/2021	05/14/2022
Loop Antenna	ARA	PLA-1030/B	1029	05/15/2021	05/14/2022
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170399	05/15/2021	05/14/2022
Horn Antenna	Schwarzbeck	BBHA 9120	D143	05/15/2021	05/14/2022
Cable	Schwarzbeck	AK9513	ACRX1	05/15/2021	05/14/2022
Cable	Rosenberger	N/A	FP2RX2	05/15/2021	05/14/2022
Cable	Schwarzbeck	AK9513	CRPX1	05/15/2021	05/14/2022
Cable	Schwarzbeck	AK9513	CRRX2	05/15/2021	05/14/2022

4.2.3 Radio Frequency Test Equipment

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	DUE CAL.
Spectrum Analyzer	Agilent	E4407B	88156318	05/15/2021	05/14/2022
Signal Analyzer	Agilent	N9010A	My53470879	05/15/2021	05/14/2022
Power meter	Anritsu	ML2495A	0824006	05/15/2021	05/14/2022
Power sensor	Anritsu	MA2411B	0738172	05/15/2021	05/14/2022
Spectrum Analyzer	Rohde & Schwarz	FSV40	100967	05/15/2021	05/14/2022

Remark: Each piece of equipment is scheduled for calibration once a year.

4.3 DESCRIPTION OF TEST MODES

The EUT has been tested under its typical operating condition.

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Those data rates (Bluetooth DTS: 1Mbps, Bluetooth DTS :2Mbps) were used for all test.

Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

Frequency and Channel list for BLE:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	18	2438	...	...
1	2404	19	2440	37	2476
2	2406	20	2440	38	2478
...	...	...	...	39	2480

Note: $f_c = 2402\text{MHz} + k \times 2\text{MHz}$ $k=0$ to 39

Test Frequency and channel for BLE:

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	19	2440	39	2480

4.4 TEST SOFTWARE

Item	Software
Conducted Emission :	EMTEK(Ver.CON-03A1)-Shenzhen
Radiated Emission :	EMTEK(Ver.RA-03A1)-Shenzhen

5 FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

Building 69, Majialong Industry Zone District, Nanshan District, Shenzhen, China

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

5.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

EMC Lab.	: Accredited by CNAS The Certificate Registration Number is L2291. The Laboratory has been assessed and proved to be in compliance with CNAS-CL01 (identical to ISO/IEC 17025:2017)
	Accredited by FCC Designation Number: CN1204 Test Firm Registration Number: 882943
	Accredited by A2LA The Certificate Number is 4321.01.
	Accredited by Industry Canada The Conformity Assessment Body Identifier is CN0008
Name of Firm	: EMTEK (SHENZHEN) CO., LTD.
Site Location	: Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China

6 TEST SYSTEM UNCERTAINTY

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Parameter	Measurement Uncertainty
RF Output Power	±1.0%
Power Spectral Density	±0.9%
Duty Cycle and Tx-Sequence and Tx-Gap	±1.3%
Medium Utilisation Factor	±1.5%
Occupied Channel Bandwidth	±2.3%
Transmitter Unwanted Emission in the Out-of Band	±1.2%
Transmitter Unwanted Emissions in the Spurious Domain	±2.7%
Receiver Spurious Emissions	±2.7%
Temperature	±3.2%
Humidity	±2.5%

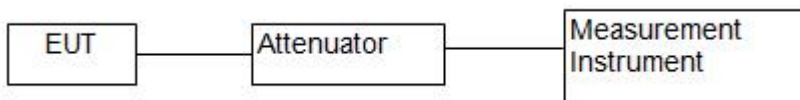
Measurement Uncertainty for a level of Confidence of 95%



7 SETUP OF EQUIPMENT UNDER TEST

7.1 RADIO FREQUENCY TEST SETUP 1

The Bluetooth component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



7.2 RADIO FREQUENCY TEST SETUP 2

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.

Below 30MHz:

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The Antenna should be positioned with its plane vertical at the specified distance from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. The center of the loop shall be 1 m above the ground. For certain applications, the loop antenna plane may also need to be positioned horizontally at the specified distance from the EUT.

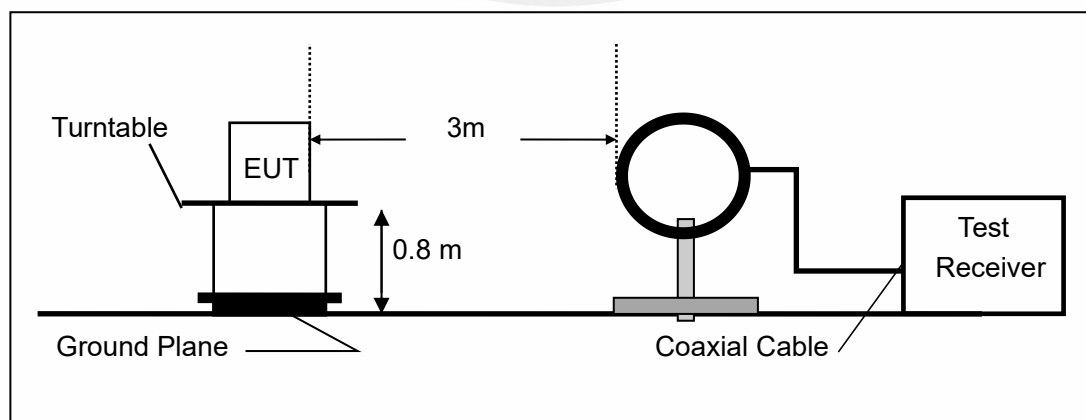
30MHz-1GHz:

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

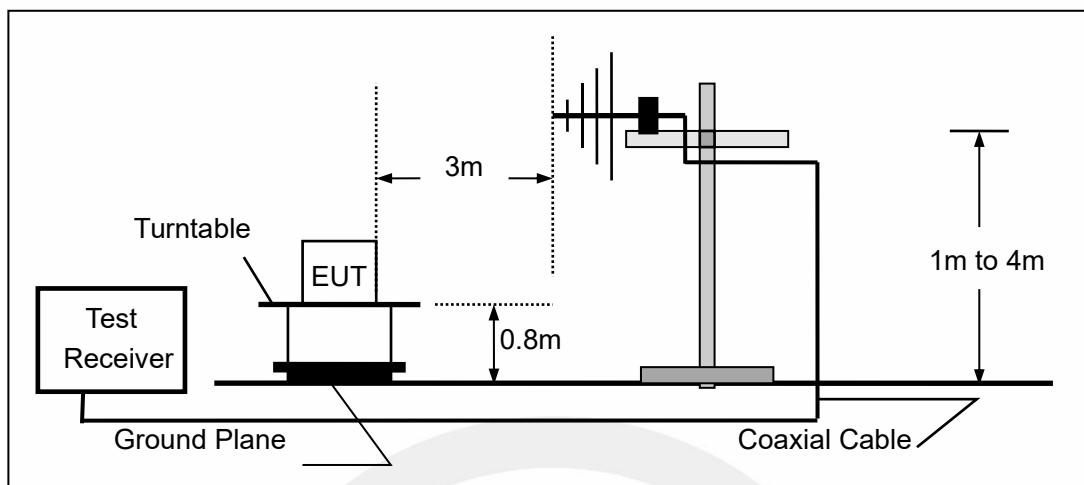
Above 1GHz:

The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

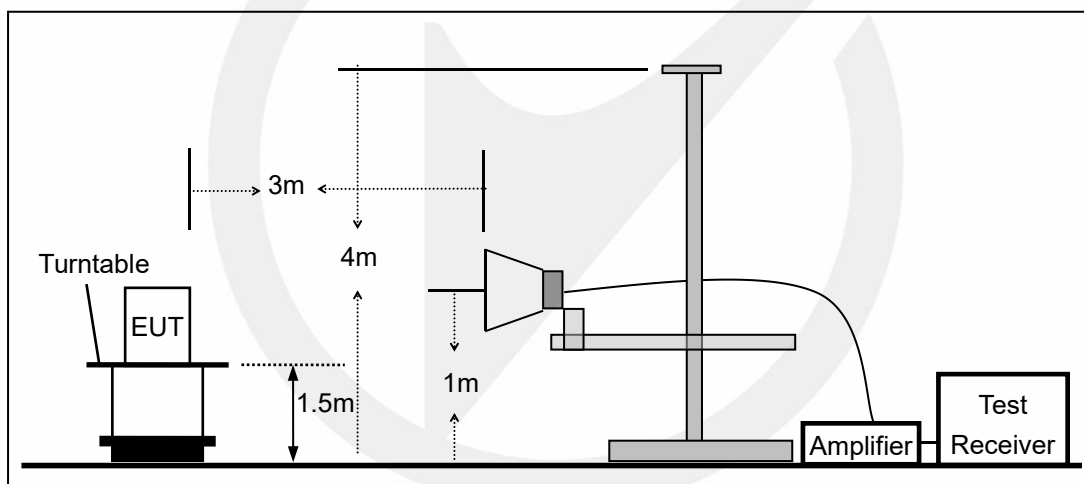
(a) Radiated Emission Test Set-Up, Frequency Below 30MHz



(b) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(c) Radiated Emission Test Set-Up, Frequency above 1000MHz

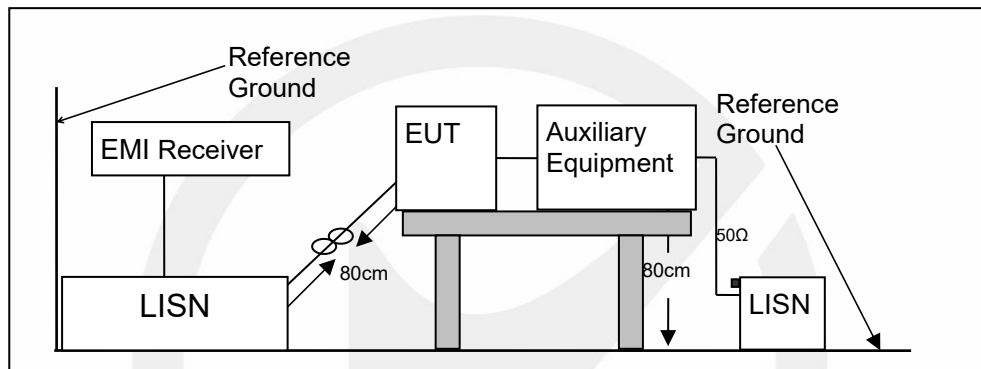


7.3 CONDUCTED EMISSION TEST SETUP

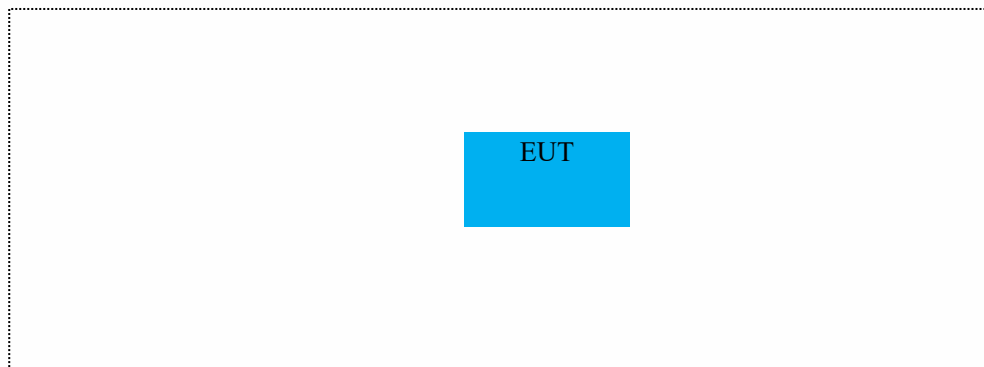
The mains cable of the EUT (maybe per AC/DC Adapter) must be connected to LISN. The LISN shall be placed 0.8 m from the boundary of EUT and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance is between the closest points of the LISN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8m from the LISN.

Ground connections, where required for safety purposes, shall be connected to the reference ground point of the LISN and, where not otherwise provided or specified by the manufacturer, shall be of same length as the mains cable and run parallel to the mains connection at a separation distance of not more than 0.8 m.

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.



7.4 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM



7.5 SUPPORT EQUIPMENT

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
/	/	/	/

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

8 TEST REQUIREMENTS

8.1 DTS 6DB BANDWIDTH

8.1.1 Applicable Standard

According to FCC Part 15.247(a)(2) and KDB 558074 D01 15.247 Meas Guidance v05r02

8.1.2 Conformance Limit

The minimum -6 dB bandwidth shall be at least 500 kHz.

8.1.3 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

8.1.4 Test Procedure

The EUT was operating in Bluetooth mode and controlled its channel. Printed out the test result from the spectrum by hard copy function.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously

Set RBW = 100 kHz.

Set the video bandwidth (VBW) = 300 kHz.

Set Span = 2 times OBW

Set Detector = Peak.

Set Trace mode = max hold.

Set Sweep = auto couple.

Allow the trace to stabilize.

Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Measure and record the results in the test report.

8.1.5 Test Results

Temperature:	26° C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

1M

Operation Mode	Channel Number	Channel Frequency (MHz)	Measurement Bandwidth (kHz)	Limit (kHz)	Verdict
Bluetooth DTS	0	2402	677.3	>500	PASS
	19	2440	668.6	>500	PASS
	39	2480	672.9	>500	PASS

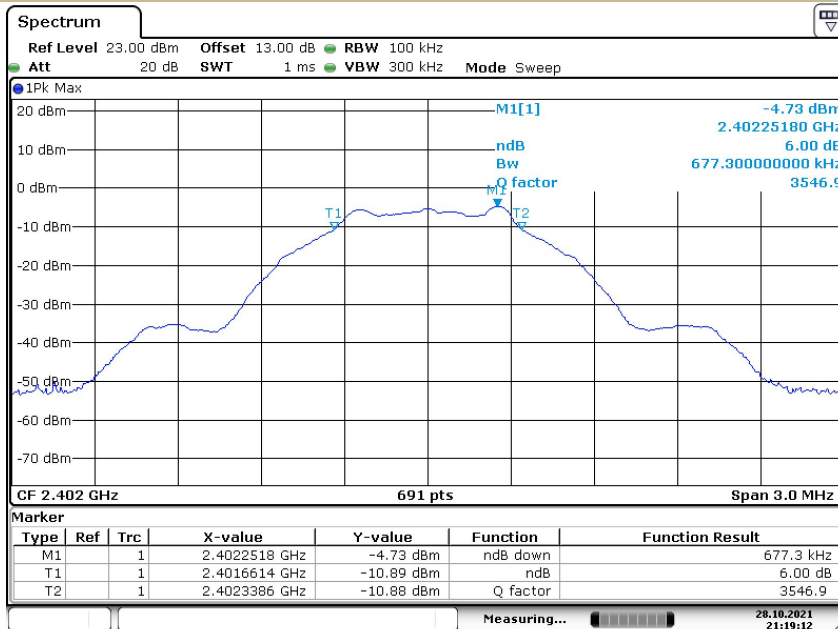
2M

Operation Mode	Channel Number	Channel Frequency (MHz)	Measurement Bandwidth (kHz)	Limit (kHz)	Verdict
Bluetooth DTS	0	2402	1189.6	>500	PASS
	19	2440	1189.6	>500	PASS
	39	2480	1189.6	>500	PASS

1M

Test Model

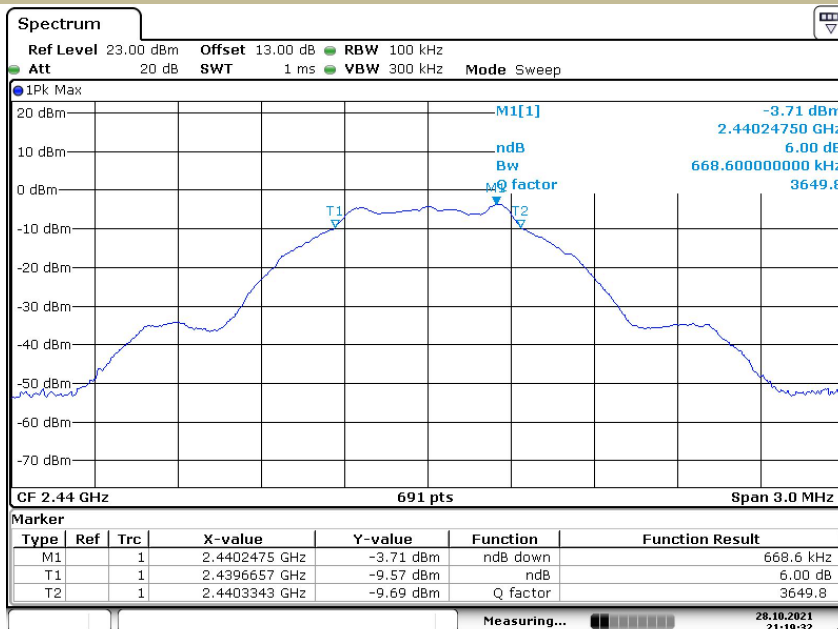
DTS (6dB) Bandwidth
Bluetooth DTS
Channel 0: 2402MHz



Date: 28.OCT.2021 21:19:12

Test Model

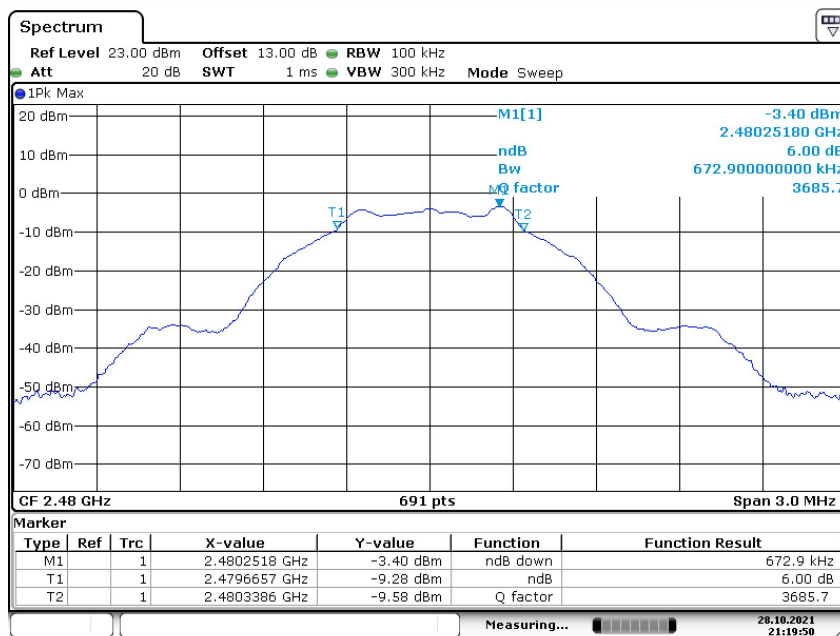
DTS (6dB) Bandwidth
Bluetooth DTS
Channel 19: 2440MHz



Date: 28.OCT.2021 21:19:32

Test Model

DTS (6dB) Bandwidth
Bluetooth DTS
Channel 39: 2480MHz



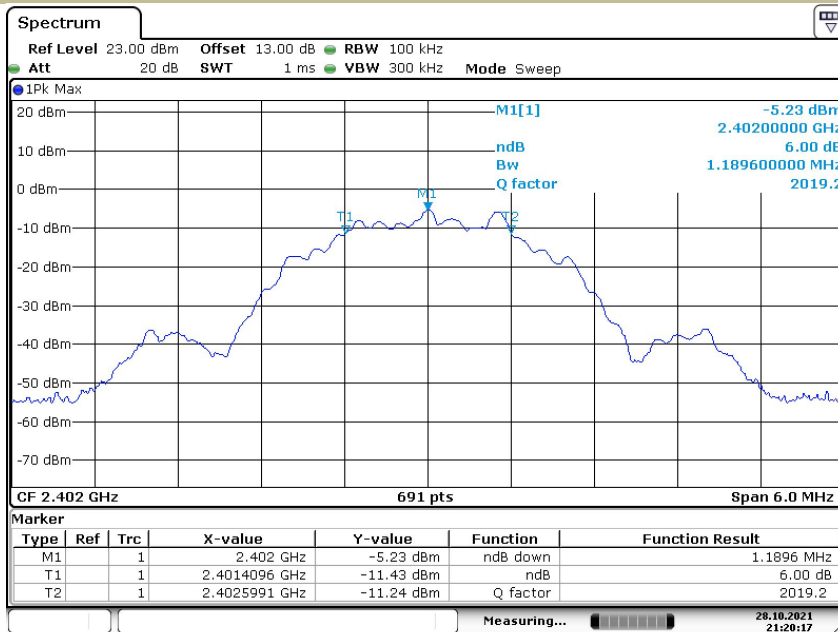
Date: 28.OCT.2021 21:19:50

2M

Test Model

DTS (6dB) Bandwidth
Bluetooth DTS

Channel 0: 2402MHz



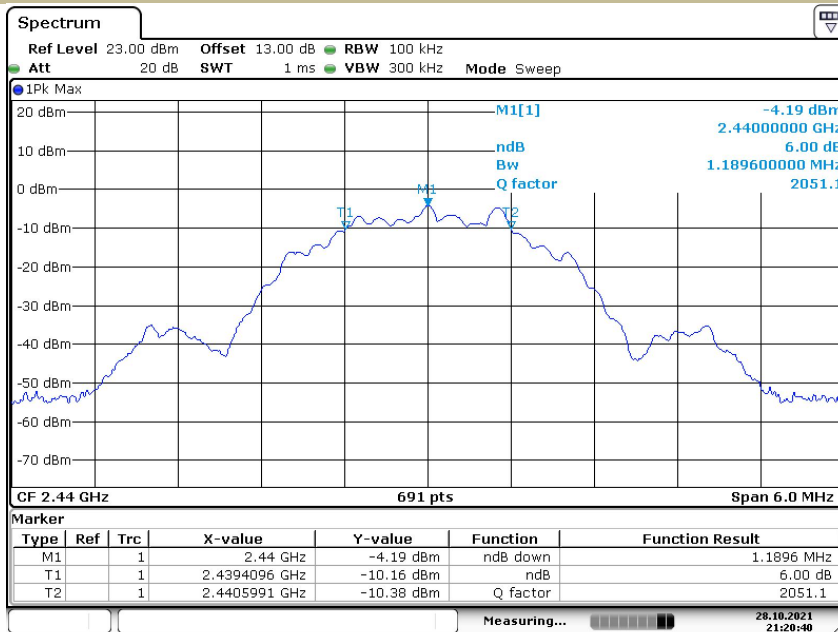
Date: 28.OCT.2021 21:20:18

DTS (6dB) Bandwidth

Test Model

Bluetooth DTS

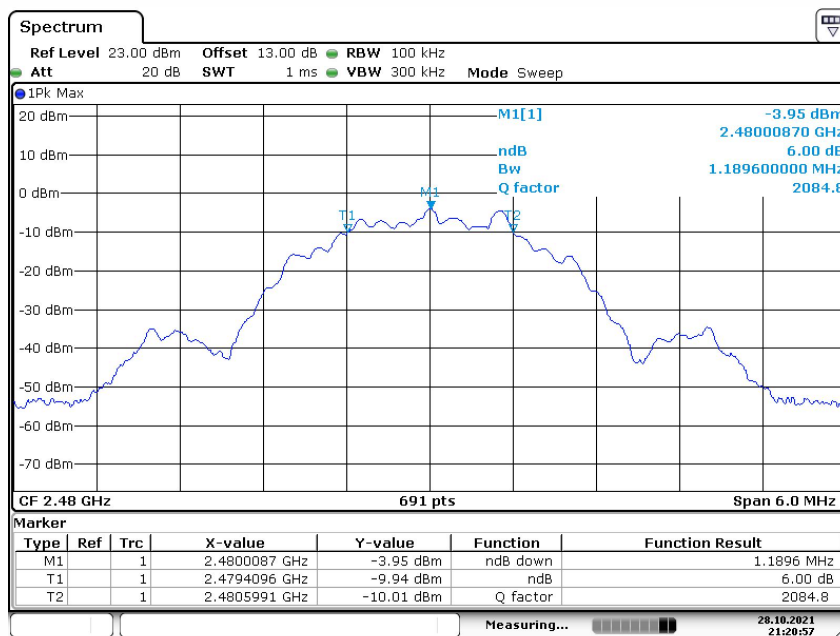
Channel 19: 2440MHz



Date: 28.OCT.2021 21:20:39

Test Model

DTS (6dB) Bandwidth
Bluetooth DTS
Channel 39: 2480MHz



Date: 28.OCT.2021 21:20:57

8.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER

8.2.1 Applicable Standard

According to FCC Part 15.247(b)(3) and KDB 558074 D01 15.247 Meas Guidance v05r02

8.2.2 Conformance Limit

The maximum peak conducted output power of the intentional radiator for systems using digital modulation in the 2400 - 2483.5 MHz bands shall not exceed: 1 Watt (30dBm).

8.2.3 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

8.2.4 Test Procedure

■ According to FCC Part 15.247(b)(3)

As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. For smart system, Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

Set the RBW $\geq$ DTS bandwidth (about 1MHz).

Set VBW $= 3 \times$ RBW (about 3MHz)

Set the span $\geq 3 \times$ RBW

Set Sweep time = auto couple.

Set Detector = peak.

Set Trace mode = max hold.

Allow trace to fully stabilize. Use peak marker function to determine the peak amplitude level.

■ According to FCC Part 15.247(b)(4):

Conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

8.2.5 Test Results

Temperature:	26° C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

1M

Operation Mode	Channel Number	Channel Frequency (MHz)	Measurement Level (dBm)	Limit (dBm)	Verdict
Bluetooth DTS	0	2402	-4.82	30	PASS
	19	2440	-3.66	30	PASS
	39	2480	-3.40	30	PASS

2M

Operation Mode	Channel Number	Channel Frequency (MHz)	Measurement Level (dBm)	Limit (dBm)	Verdict
Bluetooth DTS	0	2402	-4.70	30	PASS
	19	2440	-3.70	30	PASS
	39	2480	-3.35	30	PASS

1M

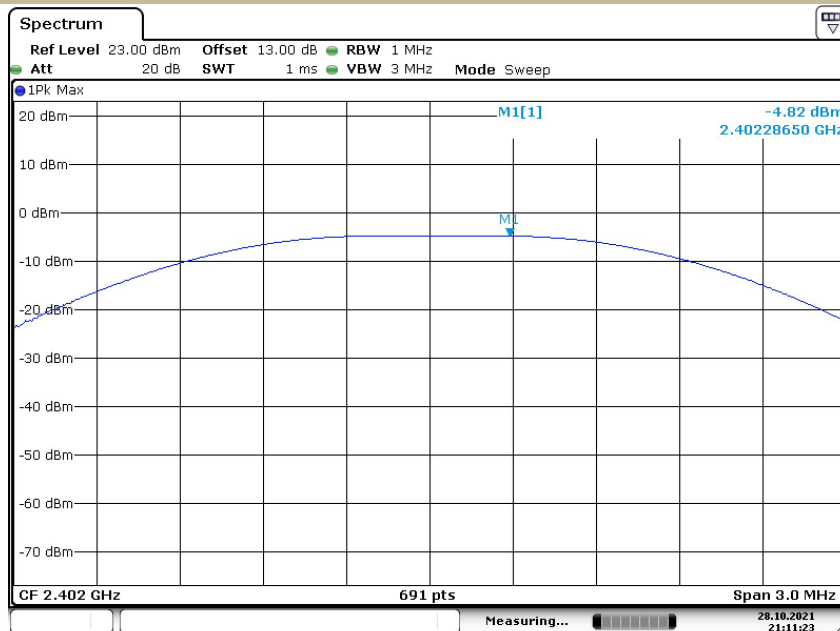
Test Model

Maximum Peak Conducted Output Power

Bluetooth V5.1

Channel 0: 2402MHz

GFSK



Date: 28.OCT.2021 21:11:23

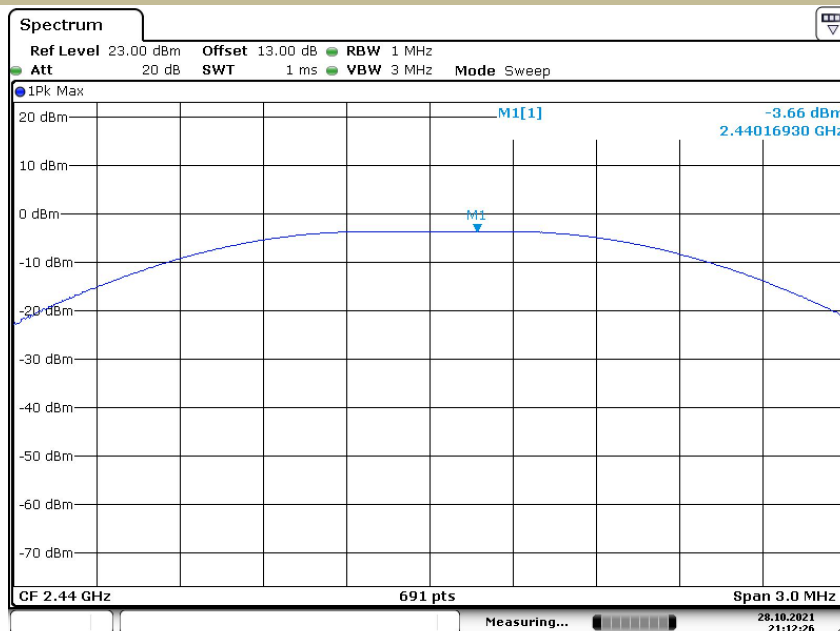
Test Model

Maximum Peak Conducted Output Power

Bluetooth V5.1

Channel 19: 2440MHz

GFSK



Date: 28.OCT.2021 21:12:26

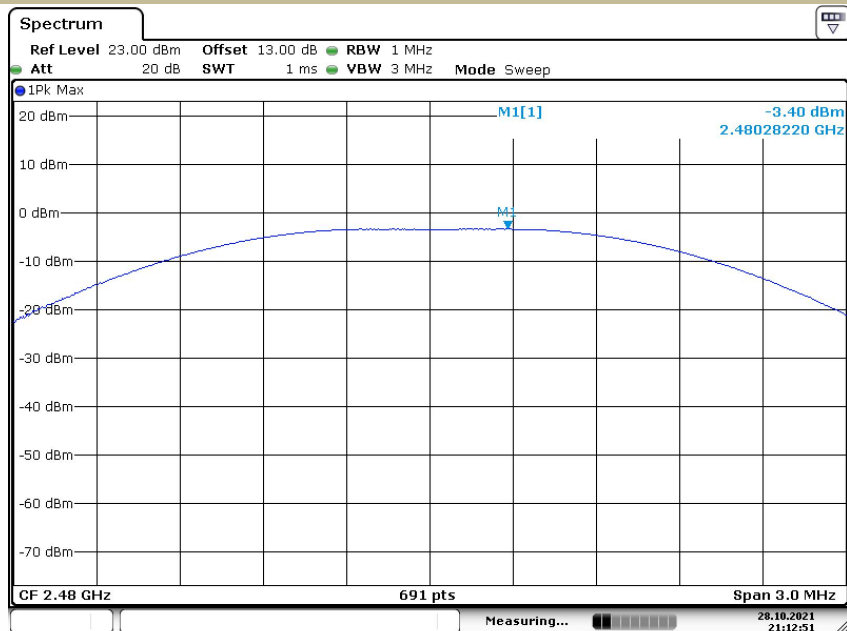
Test Model

Maximum Peak Conducted Output Power

Bluetooth V5.1

Channel 39: 2480MHz

GFSK



Date: 28.OCT.2021 21:12:51

2M

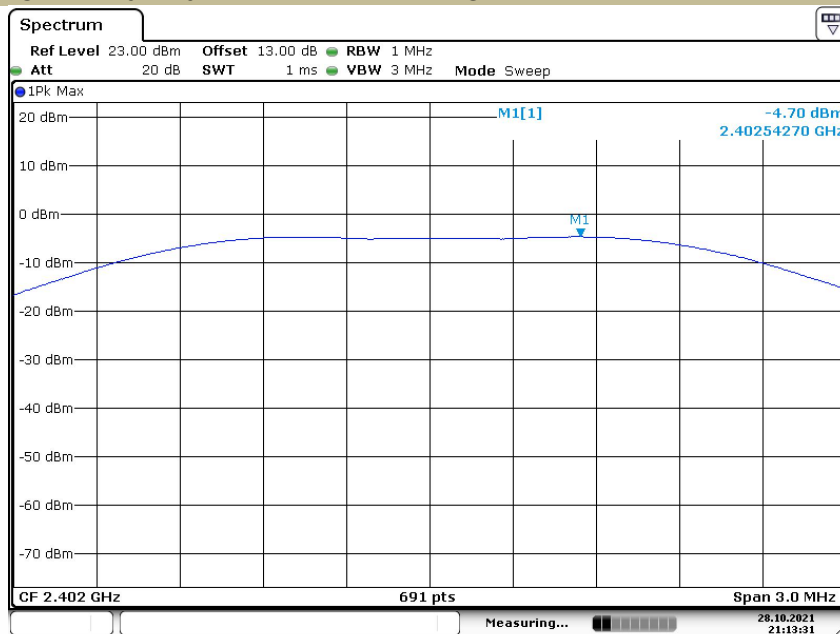
Test Model

Maximum Peak Conducted Output Power

Bluetooth V5.1

Channel 0: 2402MHz

GFSK



Date: 28.OCT.2021 21:13:31

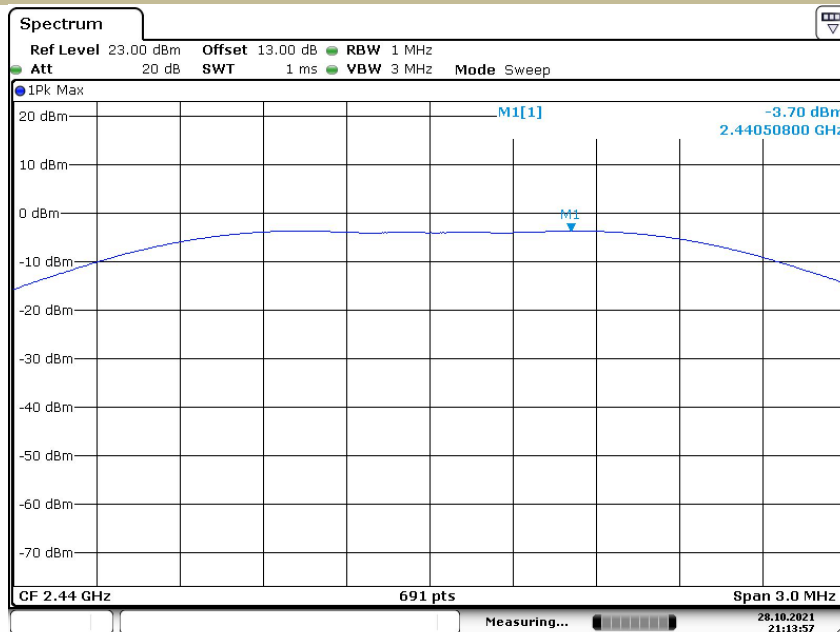
Test Model

Maximum Peak Conducted Output Power

Bluetooth V5.1

Channel 19: 2440MHz

GFSK



Date: 28.OCT.2021 21:13:57

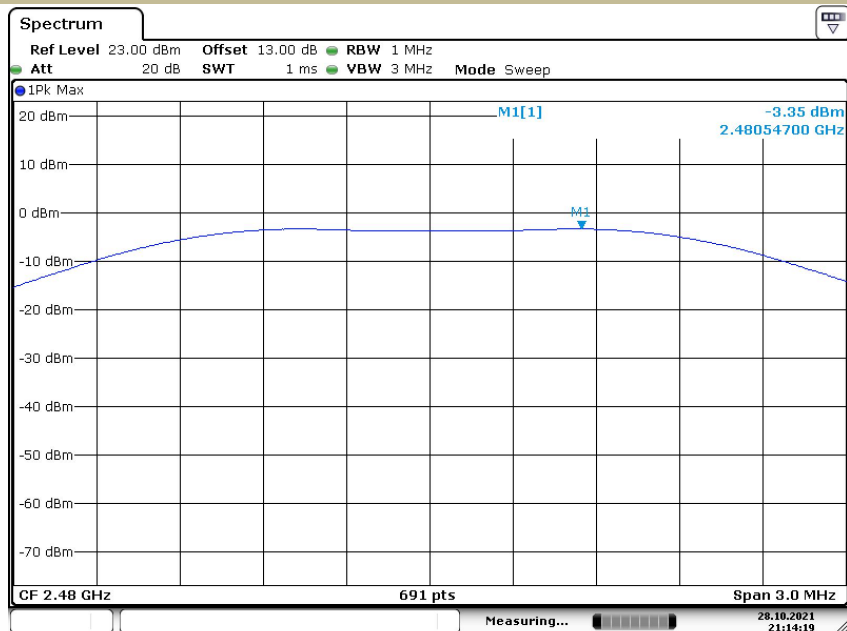
Test Model

Maximum Peak Conducted Output Power

Bluetooth V5.1

Channel 39: 2480MHz

GFSK



Date: 28.OCT.2021 21:14:20

8.3 MAXIMUM POWER SPECTRAL DENSITY

8.3.1 Applicable Standard

According to FCC Part 15.247(e) and KDB 558074 D01 15.247 Meas Guidance v05r02

8.3.2 Conformance Limit

The transmitter power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

8.3.3 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

8.3.4 Test Procedure

This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance

The transmitter output (antenna port) was connected to the spectrum analyzer

Set analyzer center frequency to DTS channel center frequency.

Set the span to 1.5 times the DTS bandwidth.

Set the RBW to: 3 kHz

Set the VBW to: 10 kHz.

Set Detector = peak.

Set Sweep time = auto couple.

Set Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum amplitude level within the RBW.

8.3.5 Test Results

Temperature:	26° C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

1M

Operation Mode	Channel Number	Channel Frequency (MHz)	Measurement Level (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Bluetooth DTS	0	2402	-23.36	<8	PASS
	19	2440	-22.40	<8	PASS
	39	2480	-22.12	<8	PASS
Note: N/A					

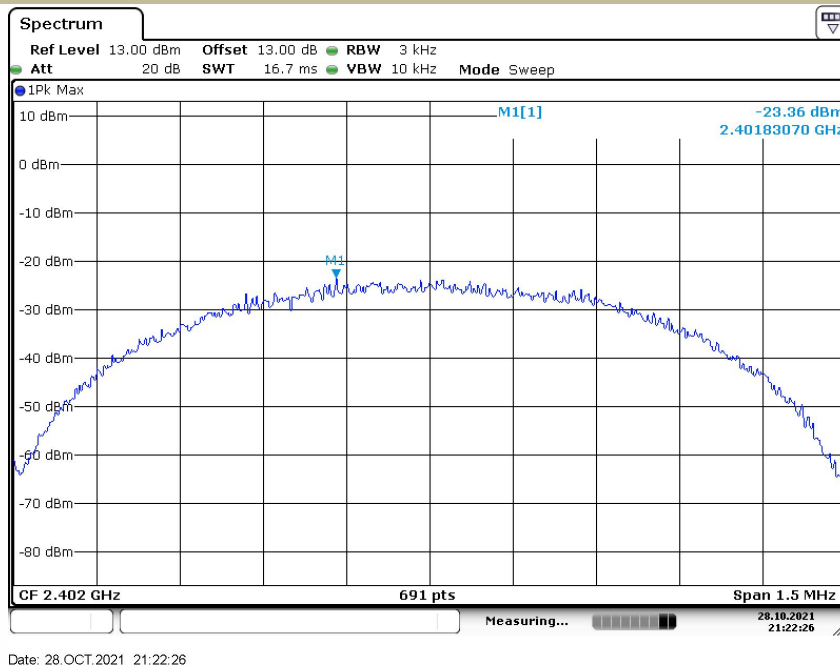
2M

Operation Mode	Channel Number	Channel Frequency (MHz)	Measurement Level (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Bluetooth DTS	0	2402	-25.48	<8	PASS
	19	2440	-24.33	<8	PASS
	39	2480	-24.08	<8	PASS
Note: N/A					

1M

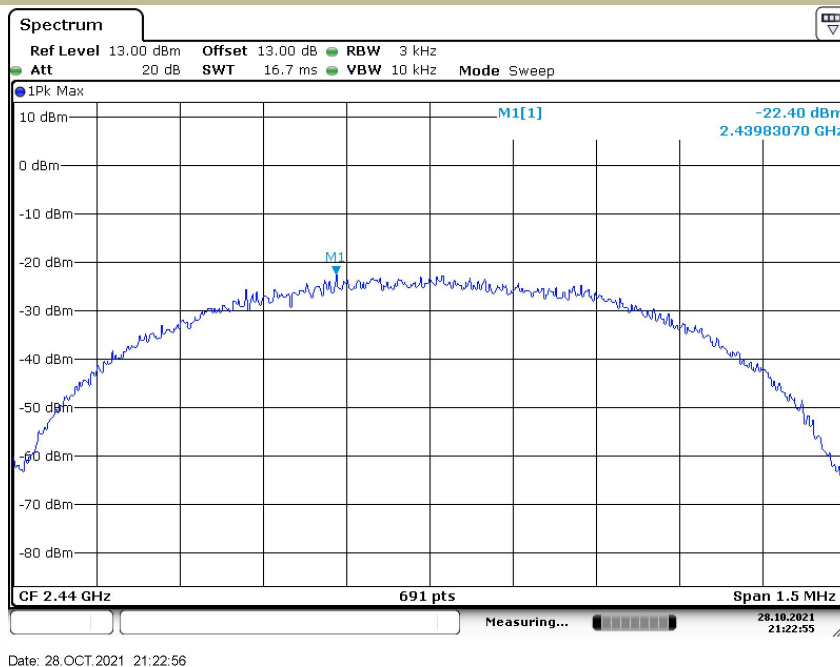
Test Model

Power Spectral Density
Bluetooth DTS
Channel 0: 2402MHz



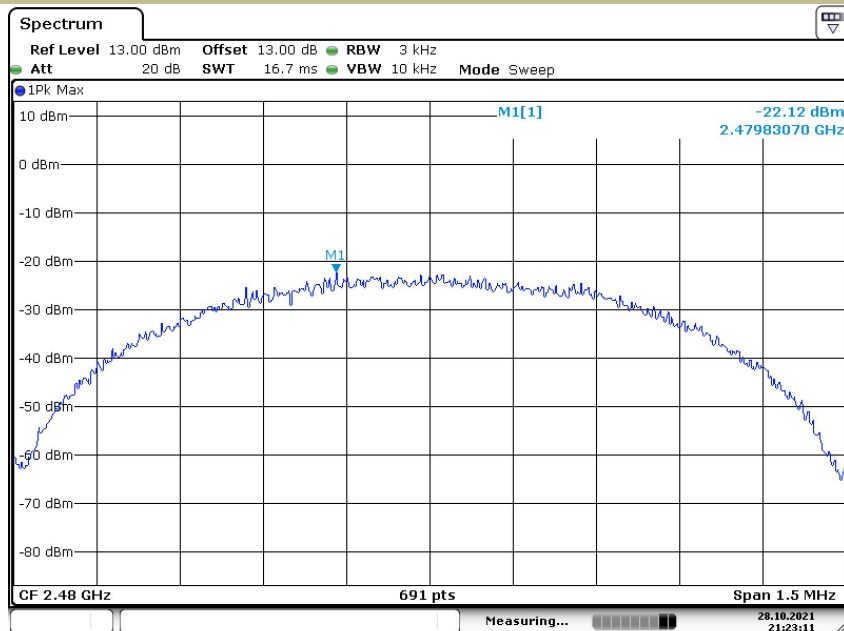
Test Model

Power Spectral Density
Bluetooth DTS
Channel 19: 2440MHz



Test Model

Power Spectral Density
Bluetooth DTS
Channel 39: 2480MHz

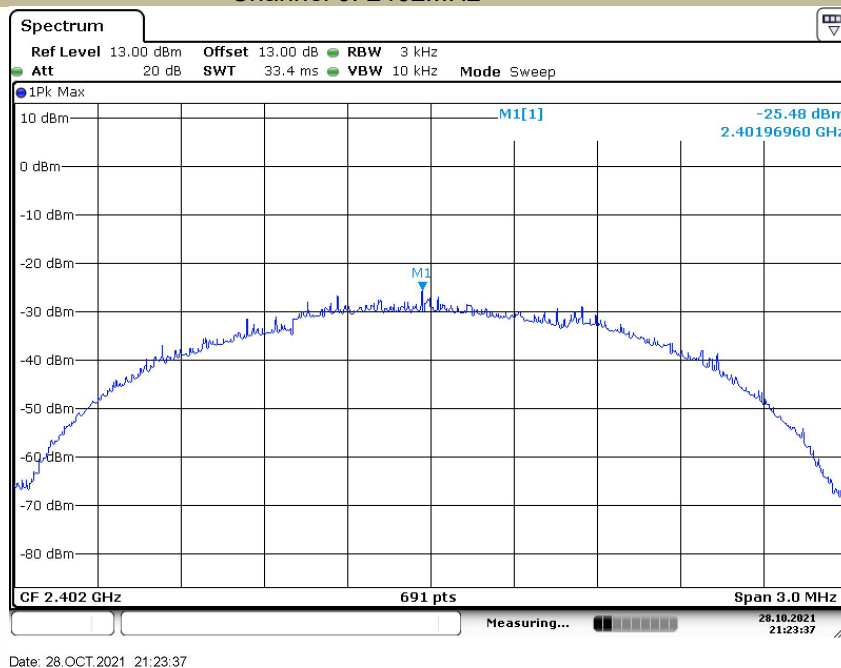


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2M

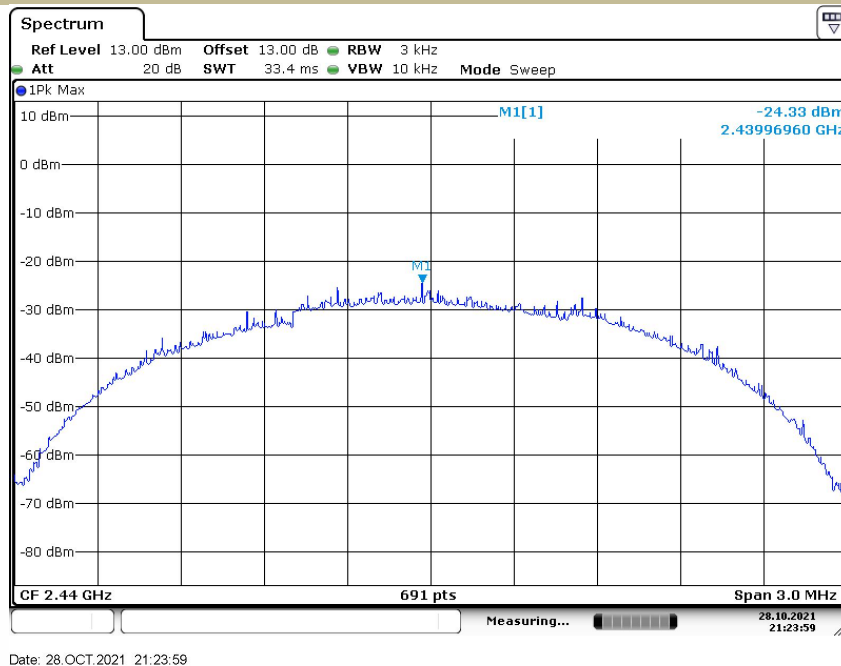
Test Model

Power Spectral Density
Bluetooth DTS
Channel 0: 2402MHz



Test Model

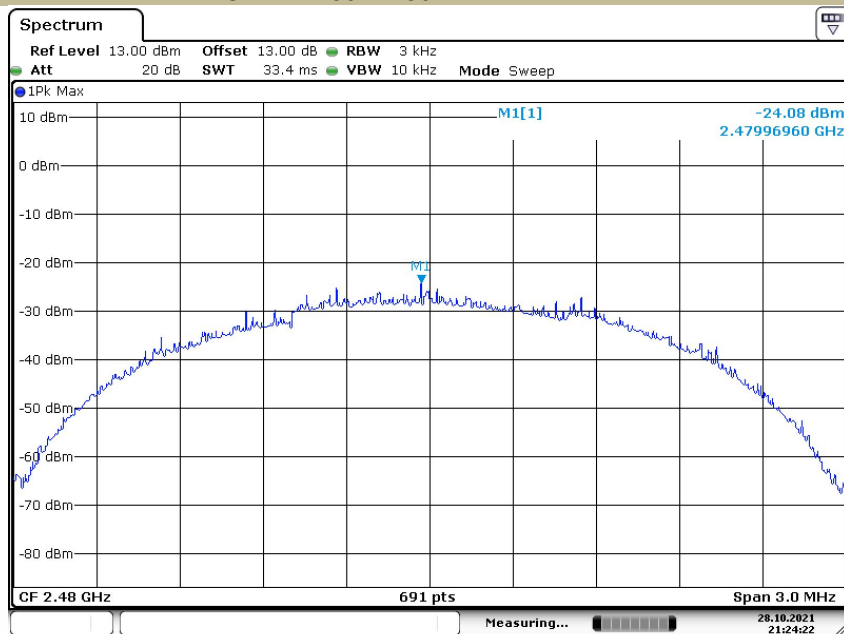
Power Spectral Density
Bluetooth DTS
Channel 19: 2440MHz



Test Model

Power Spectral Density
Bluetooth DTS

Channel 39: 2480MHz



Date: 28.OCT.2021 21:24:22

8.4 UNWANTED EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS

8.4.1 Applicable Standard

According to FCC Part 15.247(d) and KDB 558074 D01 15.247 Meas Guidance v05r02

8.4.2 Conformance Limit

According to FCC Part 15.247(d):

In any 100 kHz 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 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

8.4.3 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

8.4.4 Test Procedure

The transmitter output (antenna port) was connected to the spectrum analyzer

■ Reference level measurement

Establish a reference level by using the following procedure:

Set instrument center frequency to DTS channel center frequency.

Set the span to = 1.5 times the DTS bandwidth.

Set the RBW = 100 kHz.

Set the VBW $\geq 3 \times$ RBW.

Set Detector = peak.

Set Sweep time = auto couple.

Set Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

■ Emission level measurement

Set the center frequency and span to encompass frequency range to be measured.

Set the RBW = 100 kHz.

Set the VBW = 300 kHz.

Set Detector = peak

Sweep time = auto couple.

Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) are attenuated by at least the minimum requirements. Report the three highest emissions relative to the limit.

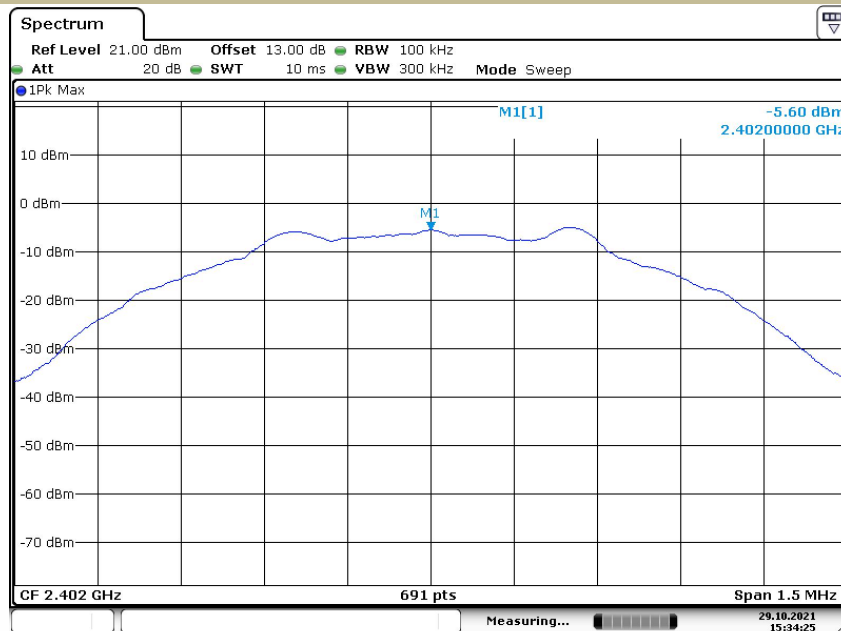
8.4.5 Test Results

Temperature:	26° C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

1M

Test Model

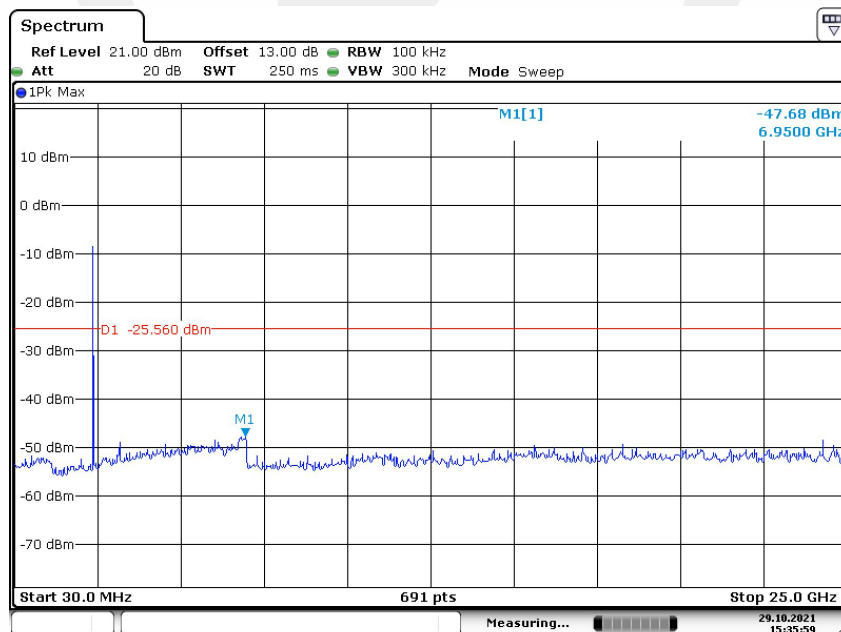
PSD(Power Spectral Density) RBW=100kHz
Bluetooth DTS
Channel 0: 2402MHz



Date: 29.OCT.2021 15:34:25

Test Model

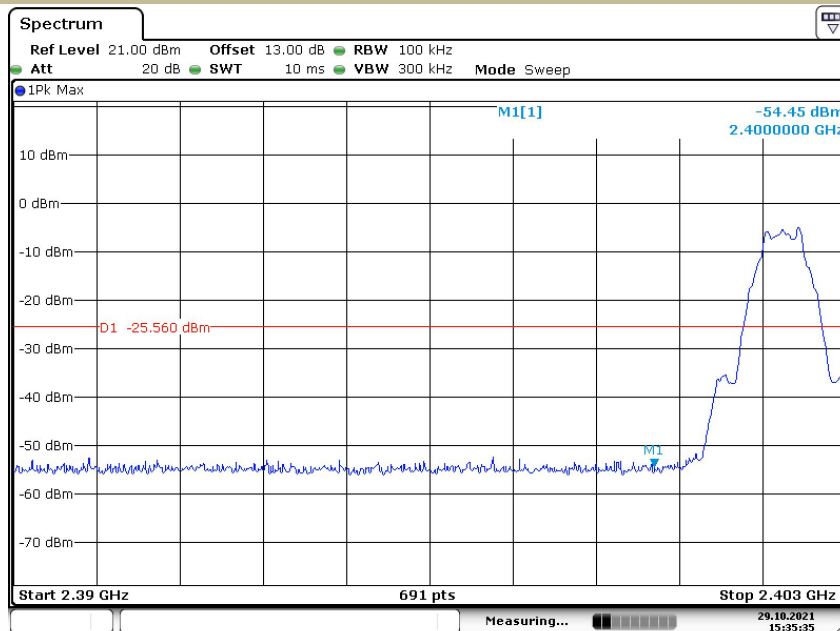
Unwanted Emissions in non-restricted frequency bands
Bluetooth DTS
Channel 0: 2402MHz



Date: 29.OCT.2021 15:36:00

Test Model

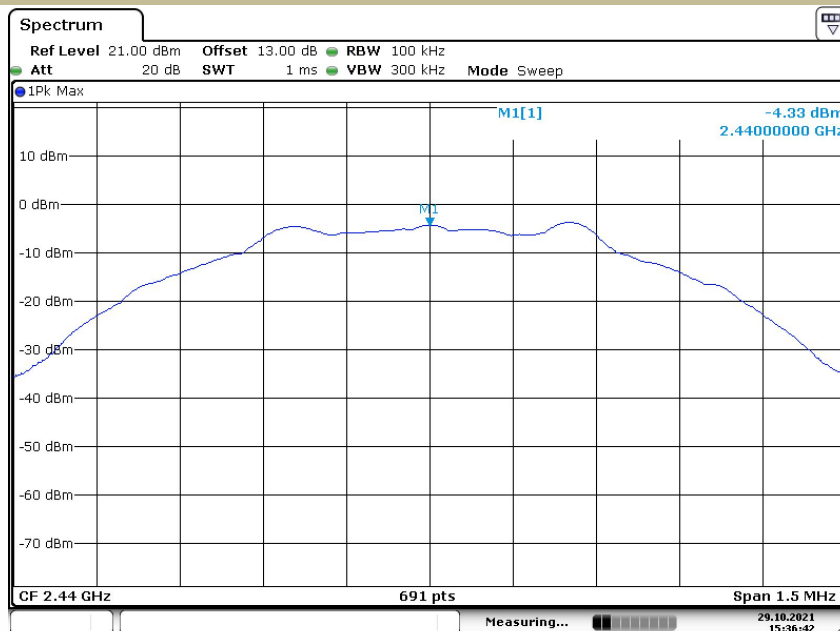
Band edge
Bluetooth DTS
Channel 0: 2402MHz



Date: 29.OCT.2021 15:35:35

Test Model

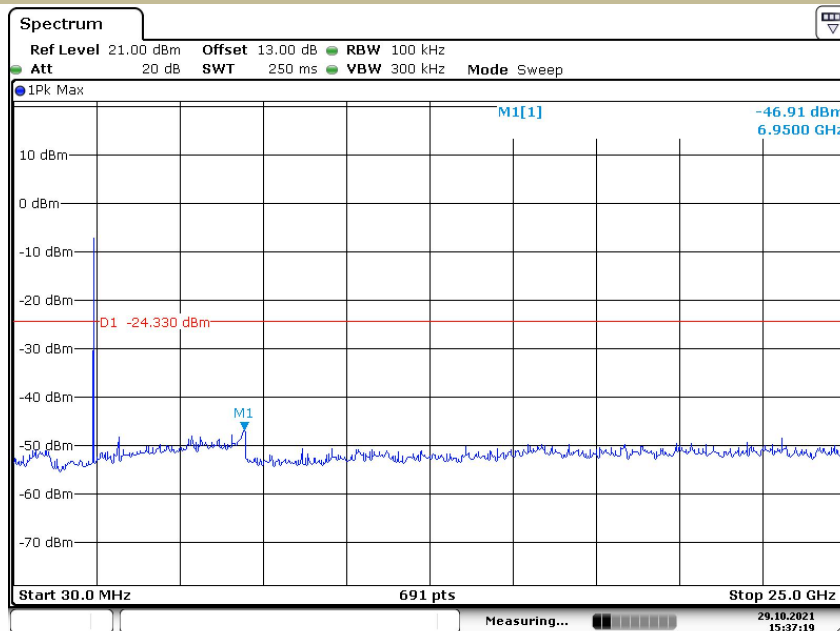
PSD(Power Spectral Density) RBW=100kHz
Bluetooth DTS
Channel 19: 2440MHz



Date: 29.OCT.2021 15:36:42

Test Model

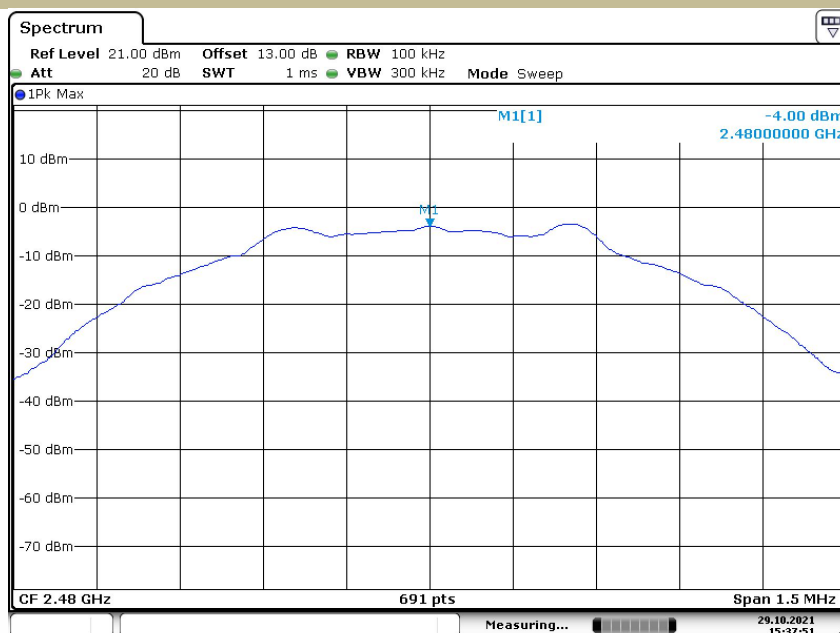
Unwanted Emissions In Non-Restricted Frequency Bands
Bluetooth DTS
Channel 19: 2440MHz



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Test Model

PSD(Power Spectral Density) RBW=100kHz
Bluetooth DTS
Channel 19: 2480MHz



Date: 29.OCT.2021 15:37:51