



Test Report - FCC Part 15.247

Applicant: Solid Tech LLC

Signature:

A handwritten signature in black ink, appearing to read "Tim Royer".

Sr. EMC Engineer
EMC-003838-NE



Name & Title: Tim Royer, EMC Engineer

Date of Signature 5/13/2023

Signature:

A handwritten signature in black ink, appearing to read "Kristoffer Costa".

Name & Title: Kristoffer Costa, EMC Technician

Date of Signature 5/13/2023

This test report relates only to the items tested as identified and is not valid for any subsequent changes or modifications made to the equipment under test.

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1. Applicant Information

Applicant: Solid Tech LLC
Address: 478 Fillmore Ave NE
Palm Bay, Florida, 32907, United States

1.1 Test Result Summary

The following test procedure and guidance were used for measuring Digital Transmission System (DTS); FCC KDB 558074 D01 DTS Measurement Guidance and ANSI C63.10-2013. Full test results are available in this report.

No additions to the test methods were needed. There were no deviations, or exclusions from the test methods. No test results are from external providers or from the customer. The test results relate only to the items tested. Timco does not offer opinions and interpretations, only a pass/fail statement.

Applicable Clauses from Part 2 or KDB		
FCC Clauses	Description of the requirements	Result: (Pass, Fail, N/A)
KDB 558074 D01	Duty Cycle	Reported
KDB 558074 D01	99 % Bandwidth	Reported
KDB 558074 D01	Band-edge measurements	Pass

Applicable Clauses from Part 15.247		
FCC Clauses	Description of the requirements	Result: (Pass, Fail, N/A)
15.247 (a) (1) – (1) (iii)	FHSS hopping requirements (1, i,ii,iii)	Pass
15.247 (a) (1)	FHSS 20dB Bandwidth	Pass
15.247 (a) (2)	DTS 6dB Bandwidth	N/A
15.247 (b) (1) – (4)	Conducted output power	Pass
15.247 (c) (1) – (2)	Operation with directional antenna gains > 6 dBi	N/A
15.247 (d), 15.215 (b)	Conducted Emissions in Non-restricted bands	Pass
15.247 (d), 15.215 (b)	Conducted Emissions at the Band-edge	Pass
15.247 (e)	Power Spectral Density (PSD)	N/A
15.247 (f)	Hybrid system hopping requirements	N/A
15.247 (f)	Hybrid system Power Spectral Density	N/A
15.247 (g)	FHSS System requirements	Pass
15.247 (h)	FHSS spectrum sensing	N/A

Applicable Clauses from Part 2 and Part 15 Subpart C		
FCC Clauses	Description of the requirements	Result: (Pass, Fail, N/A)
15.203	Antenna requirements	Pass
15.205	Restricted bands of operation	Pass
15.207	AC Power Conducted Emissions	N/A
15.209	Radiated Emissions in Restricted bands	Pass
15.211	Tunnel Radio Systems	N/A
15.212 (a)	Single Modular Transmitter	N/A
15.212 (b)	Limited Modular Transmitter	N/A
15.213	Cable Locating Equipment	N/A

2. Location of Testing

2.1 Test Laboratory

Timco Engineering Inc. is a subsidiary of Industrial Inspection & Analysis, Inc. ("IIA").

Testing was performed at IIA's permanent laboratory located at 13146 NW 86th Drive, Suite 400, Alachua, Florida 32615.

FCC test firm # 578780

FCC Designation # US1070

FCC site registration is under A2LA certificate # 0955.01

ISED Canada test site registration # 2056A

EU Notified Body # 1177

For all designations see A2LA scope # 0955.01

3. Test Sample(s) (EUT/DUT)

The test sample was received: 5/9/2024

Dates of Testing: 5/10/2024 – 5/13/2024

3.1 Description of the EUT

A description as well as unambiguous identification of the EUT(s) tested. Where more than one sample is required for technical reasons (such as the use of connected units for the purpose of conducted output power testing where the product units will have integral antennas), each specific test shall identify which unit was tested.

Identification	
FCC ID:	2BA2X-RCPS10
Brief Description	Radio Control Transceiver
Model(s) #	RCPS10 RCPS5 RCSW
Firmware version	N/A
Software version	N/A
Serial Number	N/A

Technical Characteristics	
Frequency Range	2400 MHz- 2483.5 MHz
RF O/P Power (Max.)	-1.56 dBm (0.00069 W)
Modulation	O-QPSK
Bandwidth & Emission Class	G7D (DSS)
Number of Channels	16
Duty Cycle	20%
Antenna Connector	Internal
Voltage Rating (AC or Batt.)	3.3 VDC

Note: Information such as antenna gain, firmware/software numbers are provided by manufacturer and cannot be validated by the test lab.

3.2 Configuration of EUT

Test Modes						
Band (MHz)	Mode (#)	Mode (Type)	Test Frequencies (MHz)	BW (nominal)(MHz)	Modulation	Number of Antennas
2400 MHz-2483.5 MHz	1	O-QPSK	2405 MHz 2440 MHz 2475 MHz	3 MHz	O-QPSK (F7D)	1

Operating conditions during Testing:

No modifications of the device under test (including firmware, specific software settings, and input/output signal levels to the EUT).

Peripherals used during Testing:

A Controller provided by the manufacturer was used to program the EUT.

3.3 Test Setup of EUT

Equipment, antenna, and cable arrangement. The setup of the equipment and cable or wire placement on the test site that produces the highest radiated and the highest ac power line conducted emissions shall be shown clearly and described. Information on the orientation of portable equipment during testing shall be included. Drawings or photographs may be used for this purpose.

Test Setups are included in the test report.

4. Test methods & Applicable Regulatory Limits

4.1 Test methods/Standards/Guidance:

Test procedures and guidance for measuring Digital Transmission System (DTS) are provided in the FCC KDB 558074 D01 DTS Measurement Guidance and in Clause 11 of ANSI C63.10-2013.

- 1) ANSI C63.10-2013
- 2) FCC KDB 558074 D01

4.2 Applied Limits and Regulatory Limits:

- 3) FCC CFR 47 Part 15.247 (2020)

5. Measurement Uncertainty

Parameter	Uncertainty (dB)
Conducted Emissions	± 3.14 dB
Radiated Emissions (9kHz – 30 MHz)	± 3.08 dB
Radiated Emissions (30 – 200 MHz)	± 2.16 dB
Radiated Emissions (200 – 1000 MHz)	± 2.15 dB
Radiated Emissions (1 GHz – 18 GHz)	± 2.14 dB
Radiated Emissions (18 GHz – 40 GHz)	± 2.31 dB
Note: The uncertainties provided in this table represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of K=2.	

6. Environmental Conditions

6.1 Temperature & Humidity

Measurements performed at the test site did not exceed the following:

Temperature	23 C +/- 5%
Humidity	55% +/- 5%
Barometric pressure	30.05 inHg
Note: Specific environmental conditions that are applicable to a specific test are available in the test result section.	

7. List of Test Equipment and Test Facility

The test equipment used identified by type, manufacturer, serial number, or other identification and the date on which the next calibration or service check is due.

Description of the firmware or software used to operate EUT for testing purposes.

A complete list of all test equipment used shall be included with the test report. The manufacturer's model and serial numbers, and date of last calibration, and calibration interval shall be included. Measurement cable loss, measuring instrument bandwidth and detector function, video bandwidth, if appropriate, and antenna factors shall also be included where applicable.

7.1 List of Test Equipment

Test Equipment						
Type	Device	Manufacturer	Model	SN#	Current Cal	Cal Due
Antenna	Double-Ridged Horn/ETS Horn 1	ETS-Lindgren	3117	00035923	5/31/23	5/30/2026
CHAMBER	CHAMBER	Panashield	3M	N/A	12/29/23	12/18/2025
Pre-amp	Pre-amp	RF-LAMBDA	RLNA00M45GA	NA	2/27/22	7/26/2025
Receiver	EMI Test Receiver R&S ESU 40	Rohde & Schwarz	ESU 40	100320	5/27/21	5/26/2024
Receiver	EMI Test Receiver R&S ESW44	Rohde & Schwarz	ESW44	103049	10/13/21	10/12/2024
Function Generator	Function Generator	Standford	DS340	25200	2/22/24	2/21/2027

Software			
Software	Author	Version	Validation on
ESU Firmware	Rohde & Schwarz	4.43 SP3; BIOS v5.1-24-3	2018
RSCCommander	Rohde & Schwarz	1.6.4	2014
ScopeExplorer	LeCroy	v2.25.0.0	2009
Field Strength	Timco	v4.10.7.0	2016

8. Test Results

The results of the test are usually indicated in the form of tables, spectrum analyzer plots, charts, sample calculations, as appropriate for each test procedure.

A description and/or a block diagram of the test setup is usually provided.

The measurement results, along with the appropriate limits for comparison, may be presented in tabular or graphical form. In addition, any variation in the measurement environment may be reported if applicable (e.g., a significant change of temperature that could affect the cable loss and amplifier response).

Unless noted otherwise in the referenced standard, the measurements of **ac power-line conducted emissions and conducted power output** will be reported in units of dB μ V. Unless noted otherwise in the referenced standard, the measurements of **radiated emissions** will be reported in units of decibels, referenced to one microvolt per meter (dB μ V/m) for electric fields, or to one ampere per meter (dBA/m) for magnetic fields, at the distance specified in the appropriate standards or requirements. The measurements of antenna-conducted power for receivers may be reported in units of dB μ V if the impedance of the measuring instrument is also reported. Otherwise, antenna-conducted power will be reported in units of decibels referenced to one milliwatt (dBm). All formulas for data conversions and conversion factors, if used, will be included in this measurement report.

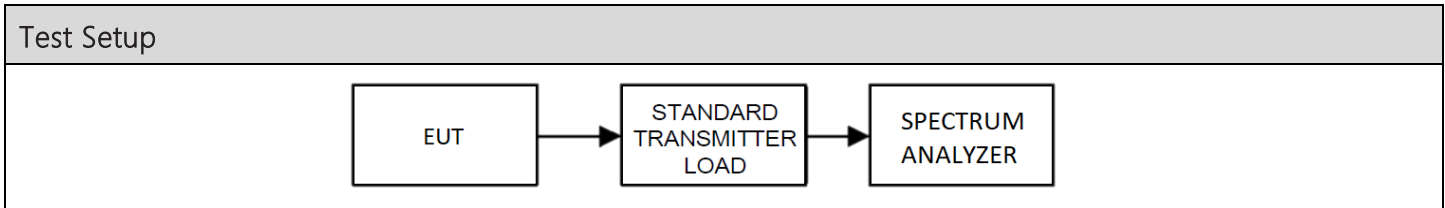
Example:

Freq (MHz)	Meter Reading	+ ACF	+CL	= FS
33	20 dB μ V	+ 10.36 dB/m	+0.40 dB	=30.36 dB μ V/m @ 3m

$EIRP = P_{cond} \text{ (dBm)} + dBi$

8.1 Conducted Output Power

Limits from FCC Part 15.247 (b) (1) – (4) as applicable, and test procedure from ANSI C63.10-2013 section 7.8 or 11.9 as applicable.



Output Power Test Results

Test Results, Mode 1	
Tuned Frequency (MHz)	Power Output (dBm)
2405	-1.56
2440	-1.99
2475	-2.45

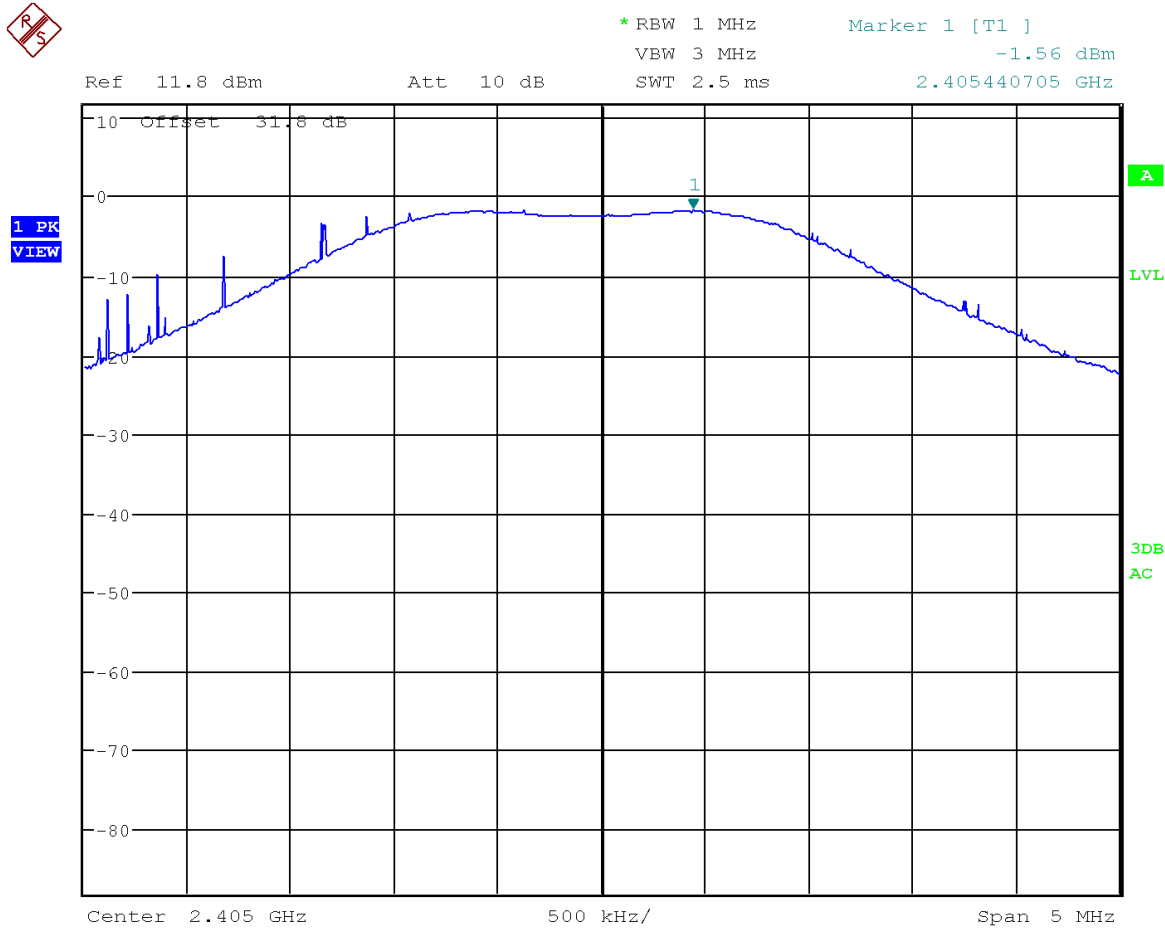
- MAXIMUM Conducted Output Power = -1.56 dBm

Point-to-Point - N/A. The EUT is not a PtP device.

MIMO - N/A. The EUT is not a MIMO device.

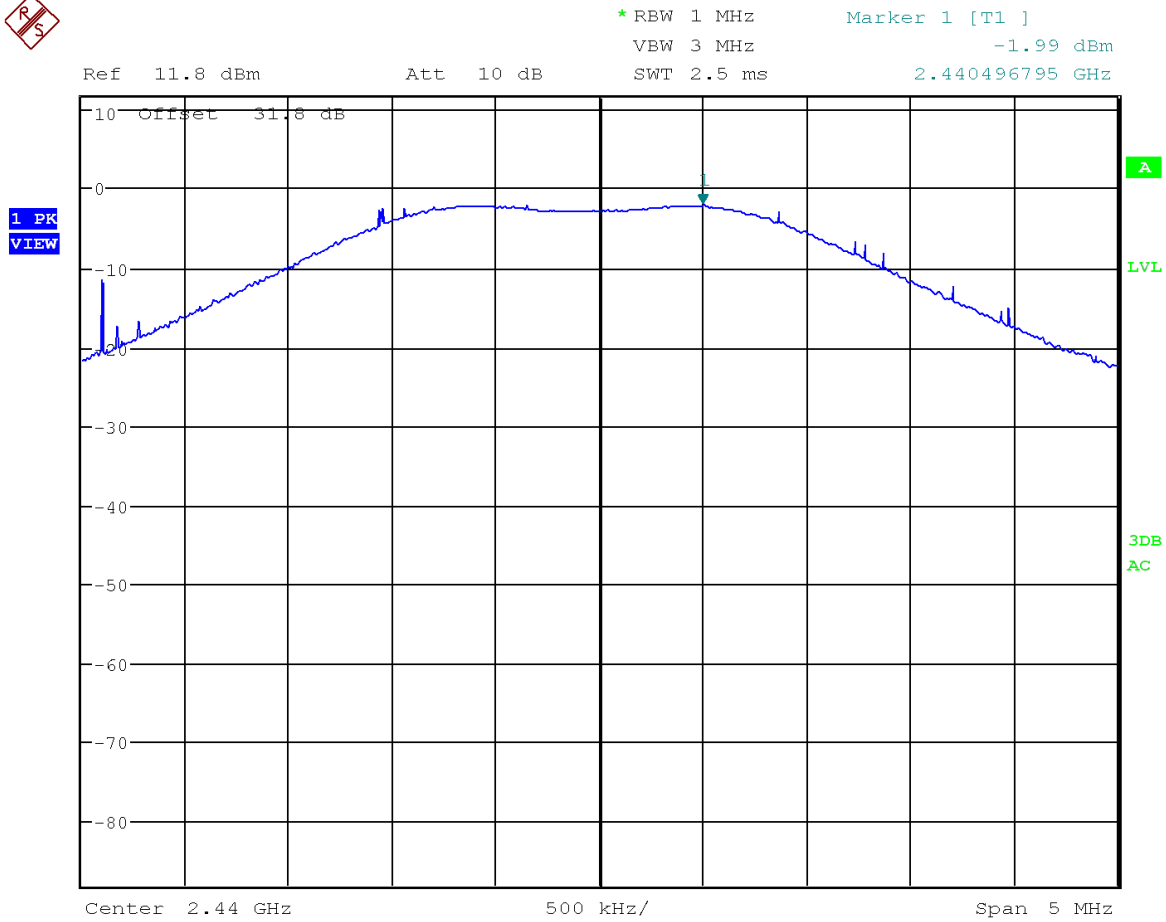
Conducted Output Power, Spectrum Plots

8.1.1 Conducted Output Power, 2405 MHz



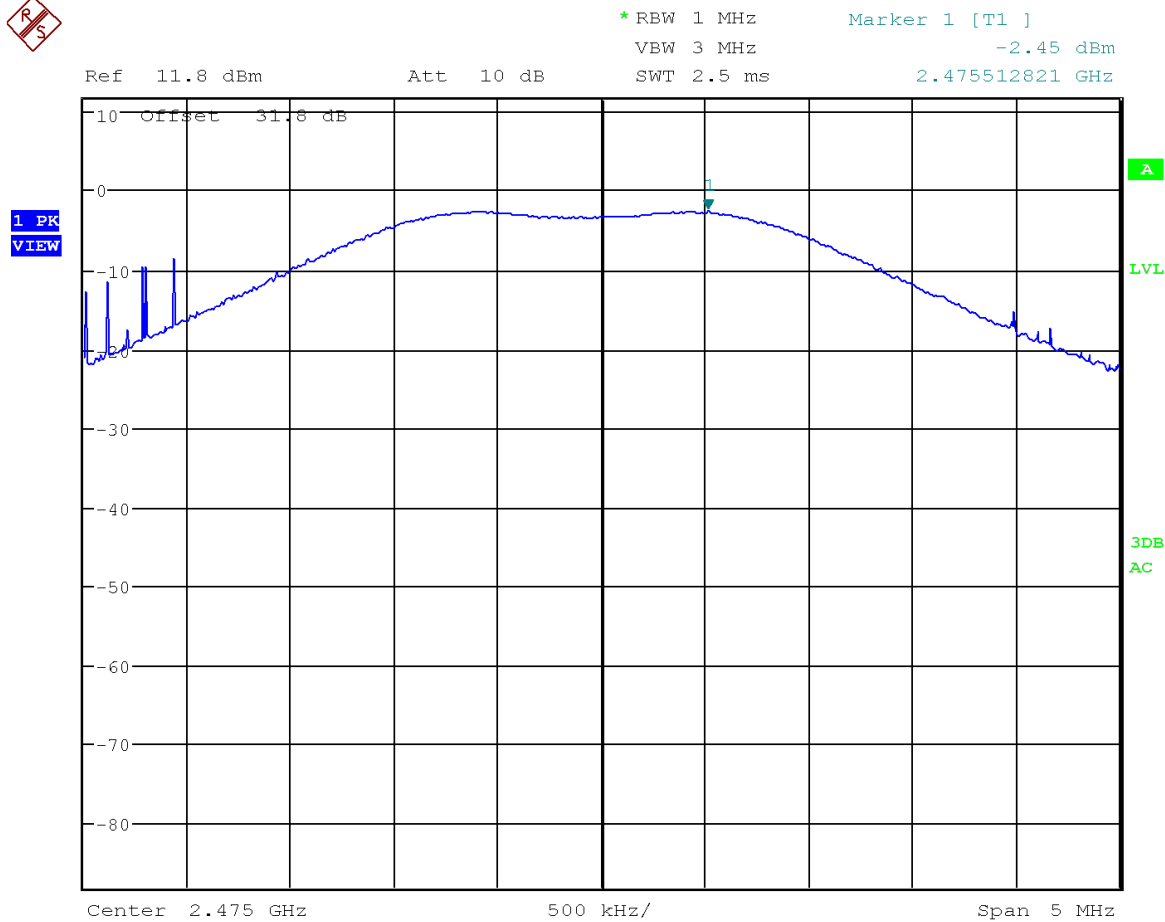
Date: 10.MAY.2024 16:45:30

8.1.2 Conducted Output Power, 2440 MHz



Date: 10.MAY.2024 16:45:54

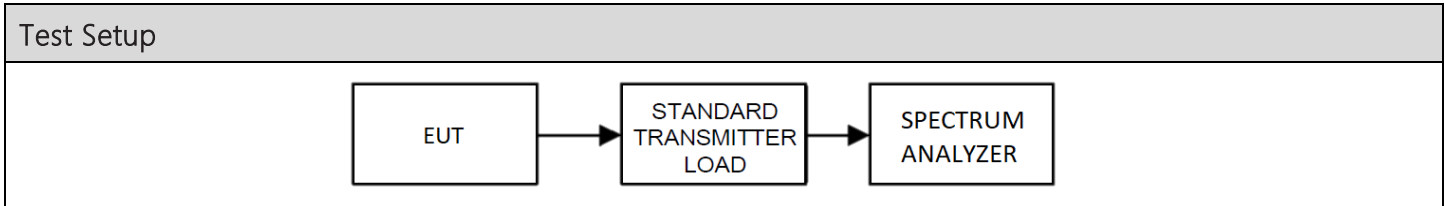
8.1.3 Conducted Output Power, 2475 MHz



Date: 10.MAY.2024 16:46:20

8.2 Occupied Bandwidth

Requirement from FCC KDB 558074 D01 and test procedure from ANSI C63.10-2013 section 6.9.3

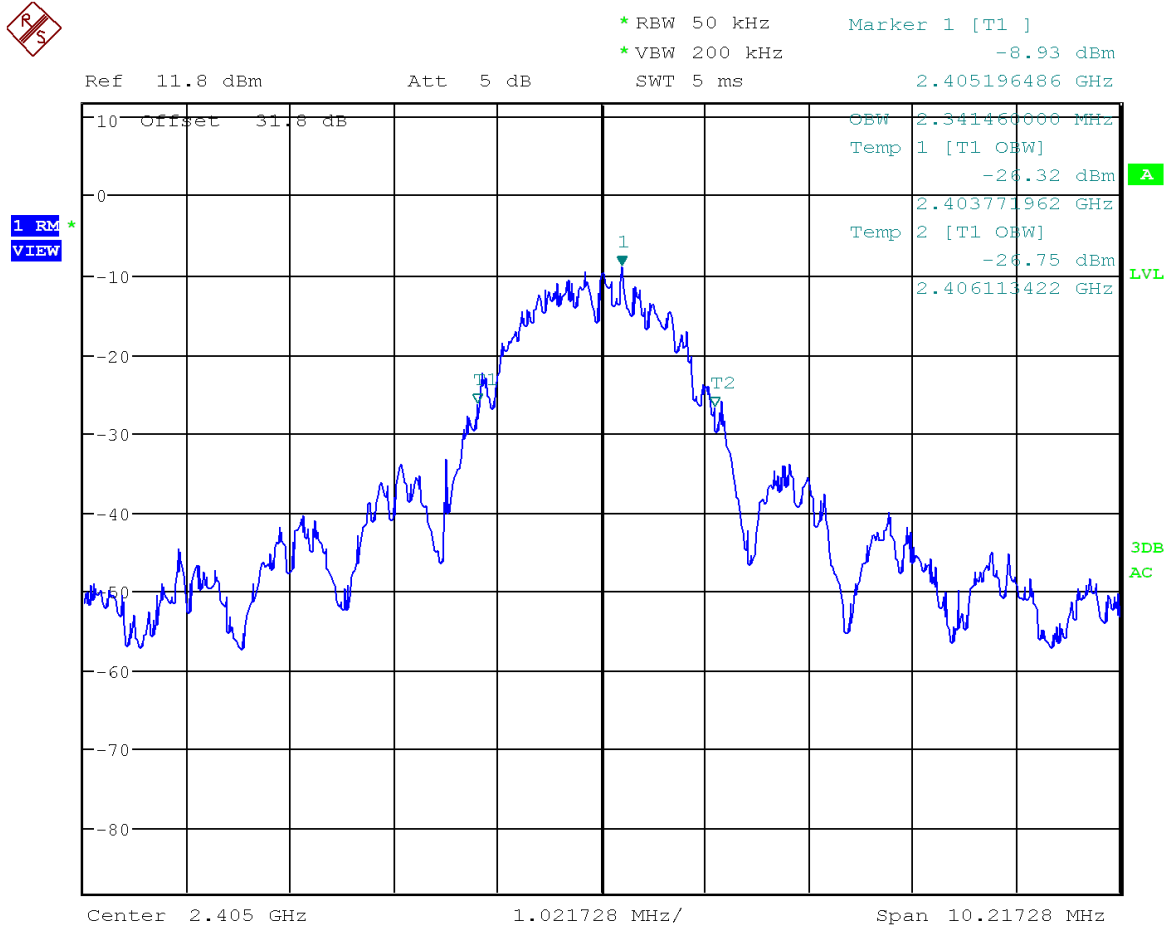


99% BW Test Results

Tuned Frequency (MHz)	99% BW (MHz)
2405	2.341
2440	2.381
2475	2.466

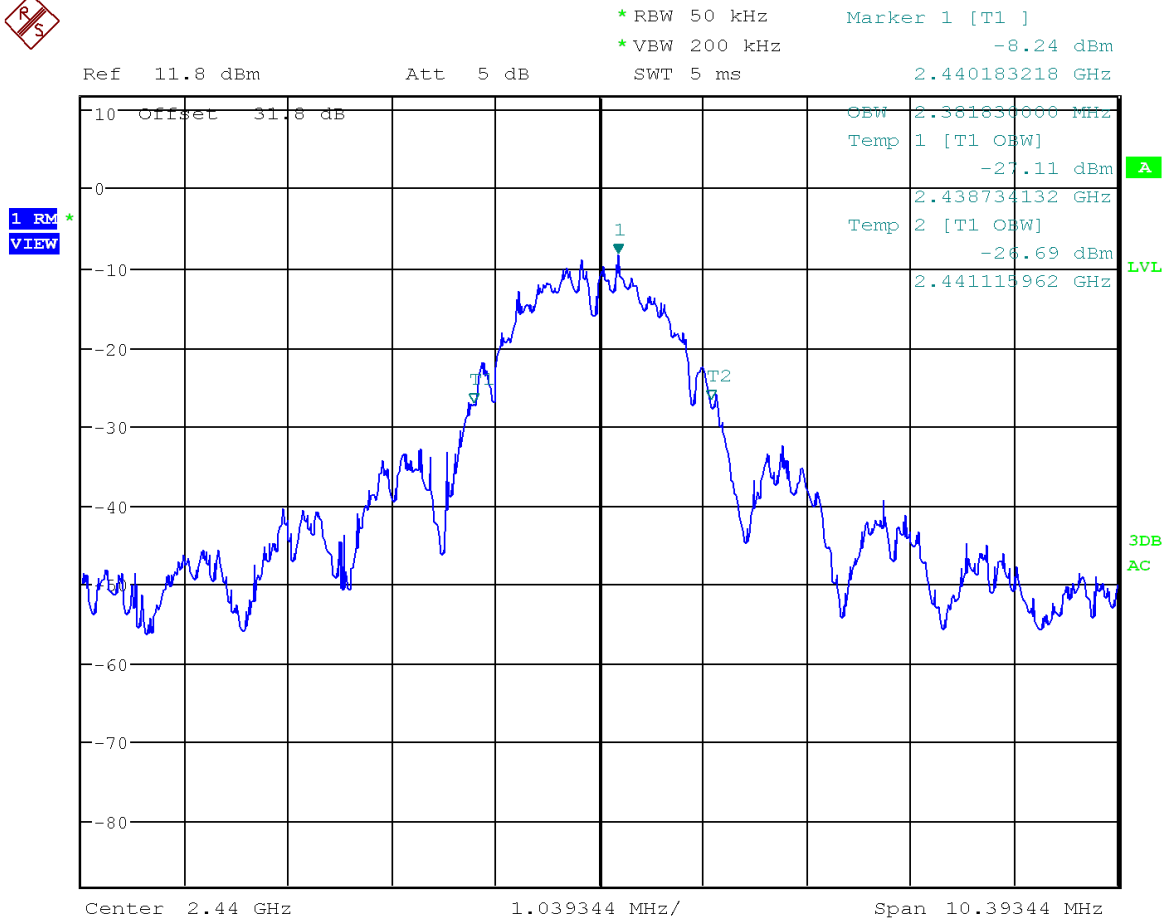
99% Occupied Bandwidth, Spectrum Plots

8.2.1 99% Occupied Bandwidth, 2405 MHz



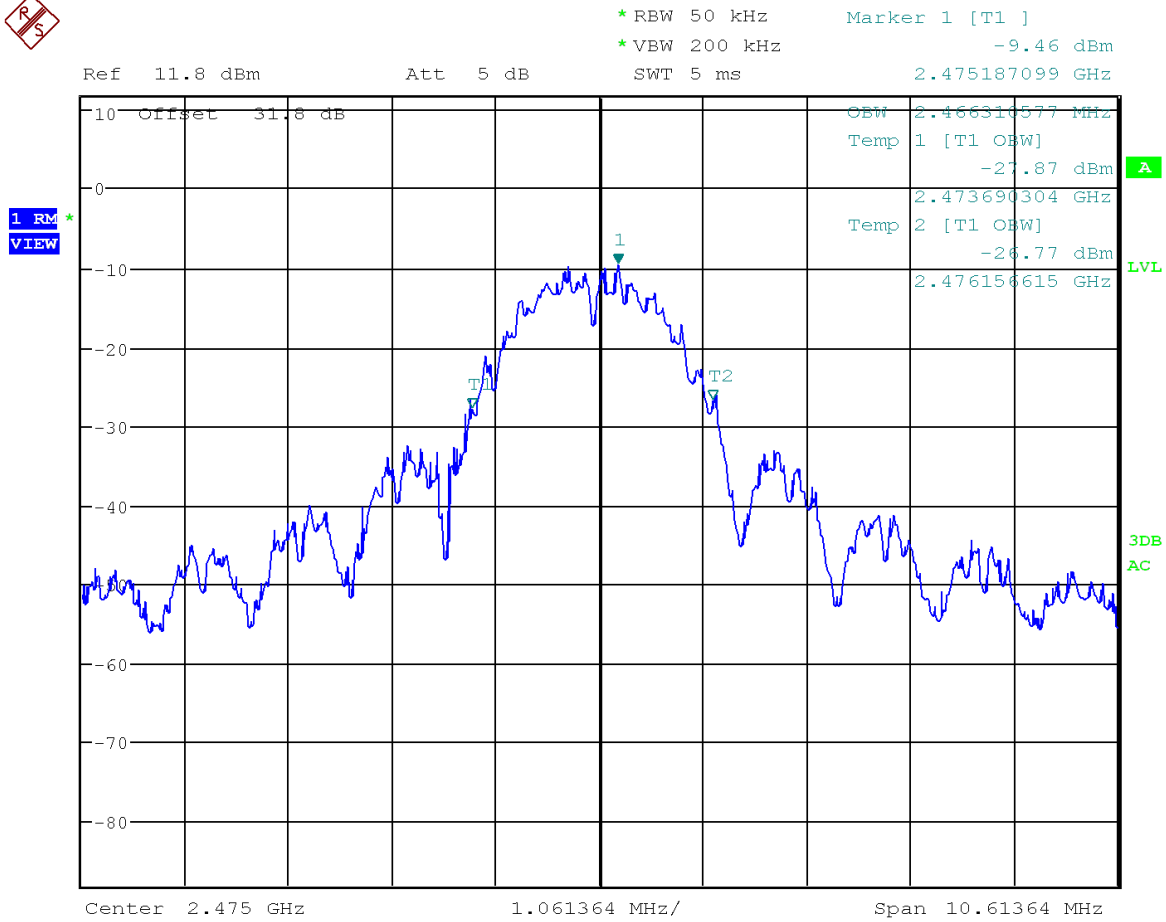
Date: 10.MAY.2024 16:57:10

8.2.2 99% Occupied Bandwidth, 2440 MHz



Date: 10.MAY.2024 16:58:49

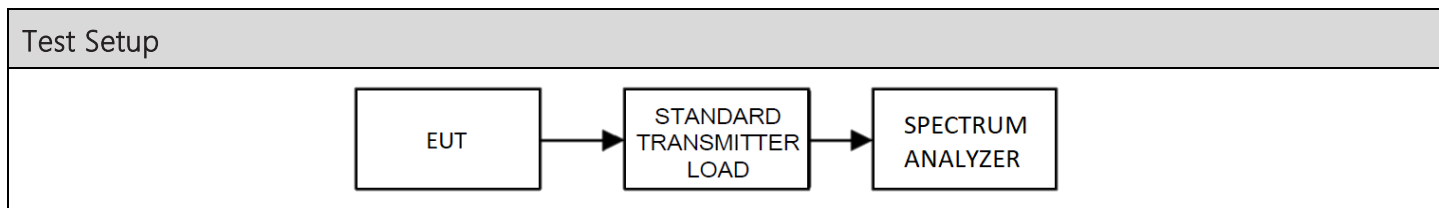
8.2.3 99% Occupied Bandwidth, 2475 MHz



Date: 10.MAY.2024 17:00:05

8.3 20dB Bandwidth

Limits from FCC Part 15.247 (a)(1) – (2) as applicable, and test procedure from ANSI C63.10-2013 section 7.8 or 11.8 as applicable.

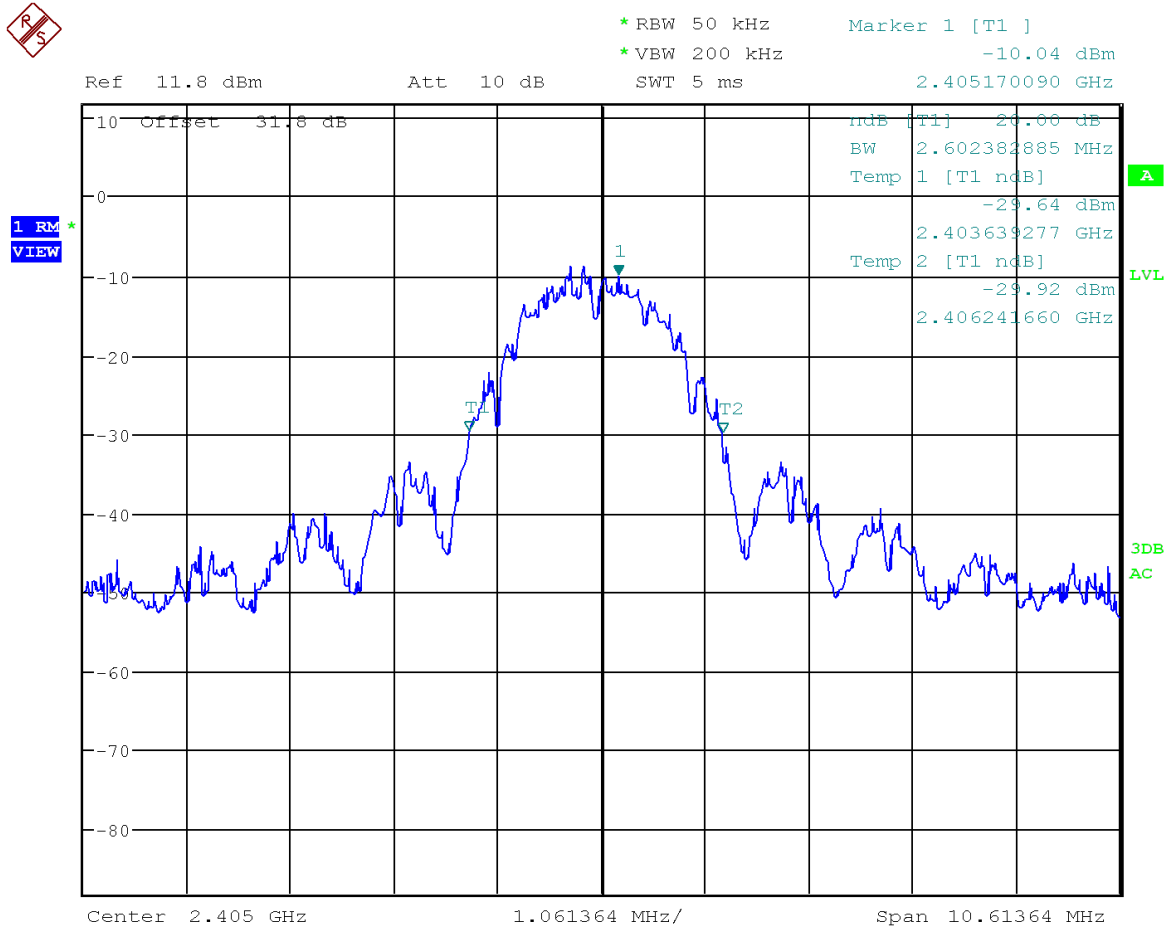


20dB Bandwidth Test Results

Test Results, Mode 1	
Tuned Frequency (MHz)	20dB Bandwidth (kHz)
2405	2.062
2440	2.483
2475	2.585

20dB Bandwidth, Spectrum Plots

8.3.1 20 dB Bandwidth, 2405 MHz



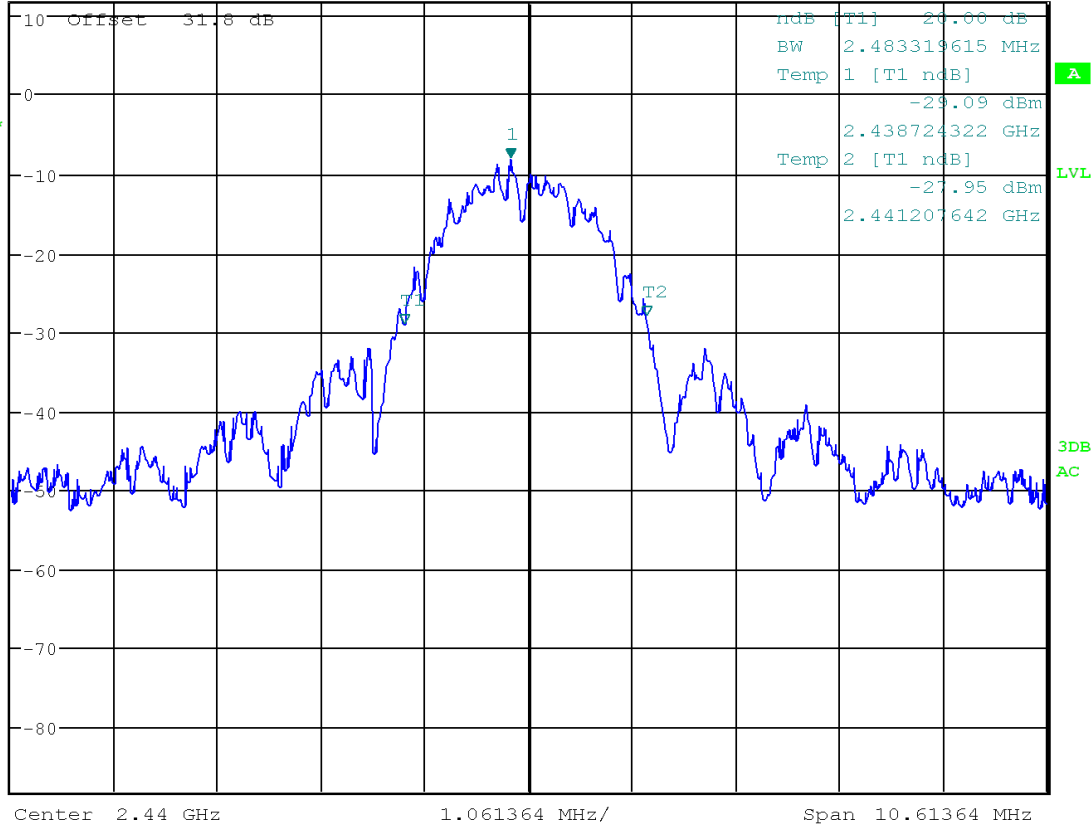
Date: 10.MAY.2024 17:02:54

8.3.2 20 dB Bandwidth, 2440 MHz



* RBW 50 kHz Marker 1 [T1]
 * VBW 200 kHz -8.11 dBm
 Ref 11.8 dBm Att 10 dB SWT 5 ms 2.439812901 GHz

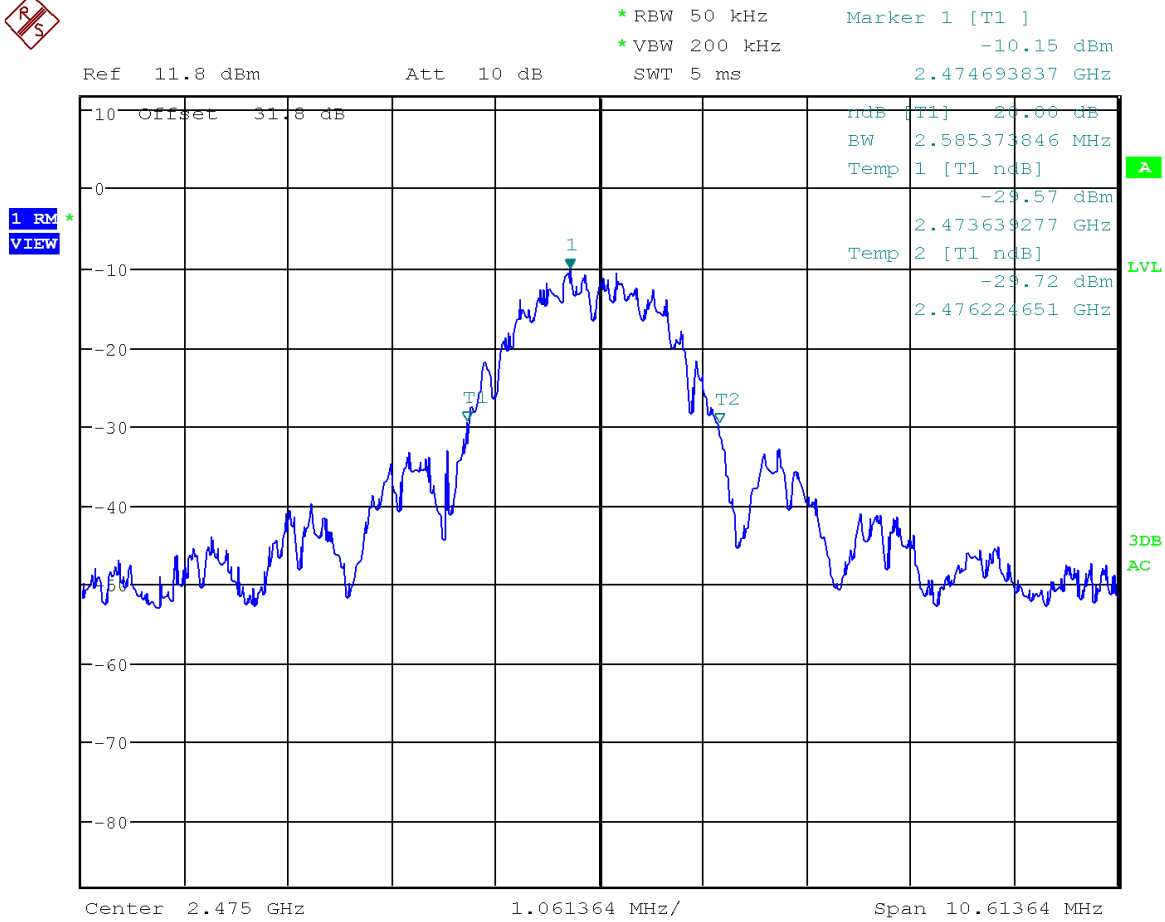
1. RM*
 VIEW



Date: 10.MAY.2024 17:02:23

V

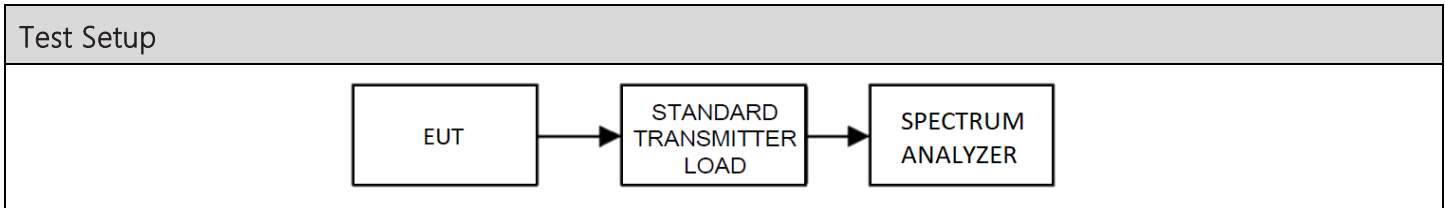
8.3.3 20 dB Bandwidth, 2475 MHz



Date: 10.MAY.2024 17:01:41

8.4 Hopping Characteristics

Limits from FCC 15.247(a)(1)(i) or 15.247 (f) as applicable, and test procedure from ANSI C63.10-2013 section 11.10



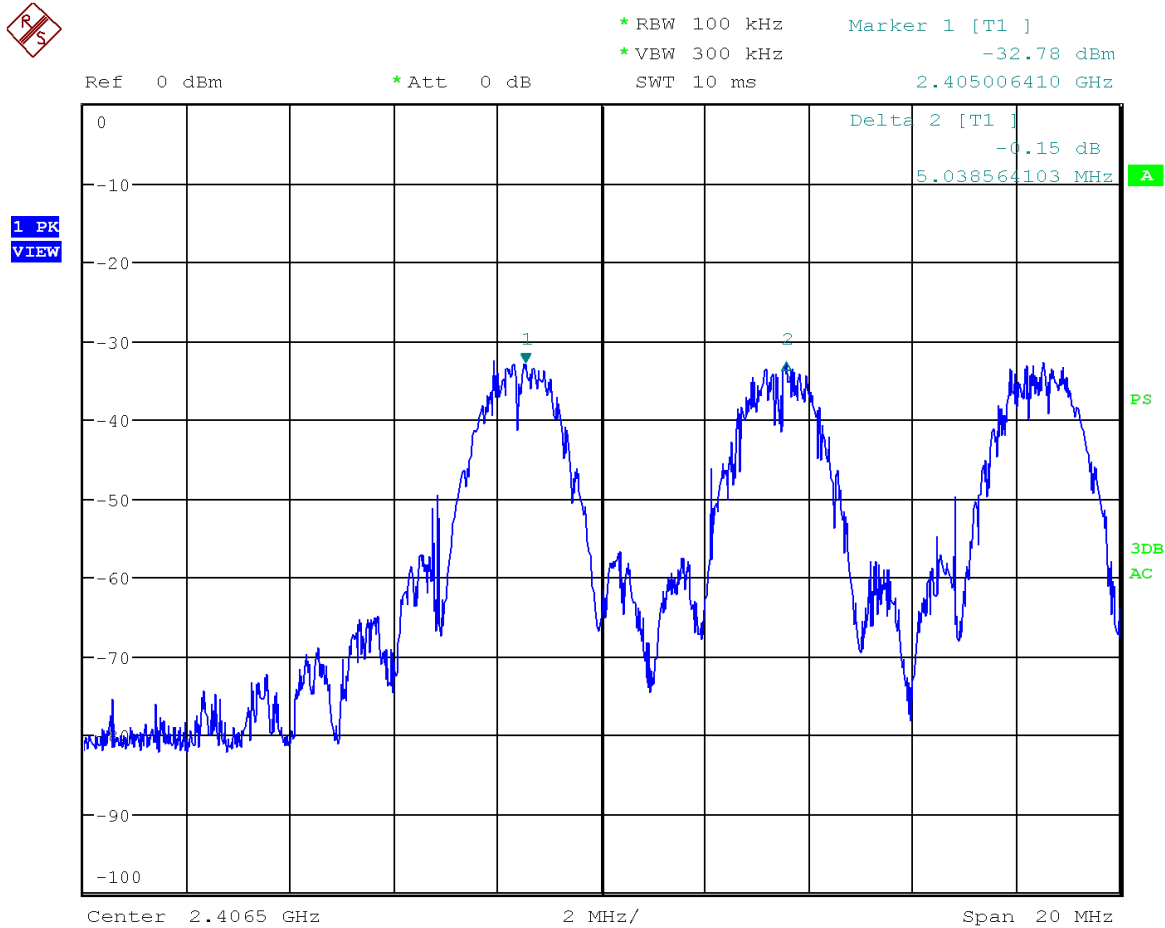
Test Results	
Carrier Frequency Separation	5.038 MHz
Number of Hopping Frequencies	16
Time of Occupancy	2.032 ms
Dwell Time in 10 s	128.016 ms

8.4.1 Hopping Channel Occupancy Time

Number of hops	Dwell Time (ms)	Total Occupancy Time (ms)	Limit (sec)	Pass / Fail
63	2.032	128.016	≤ 0.4	Pass

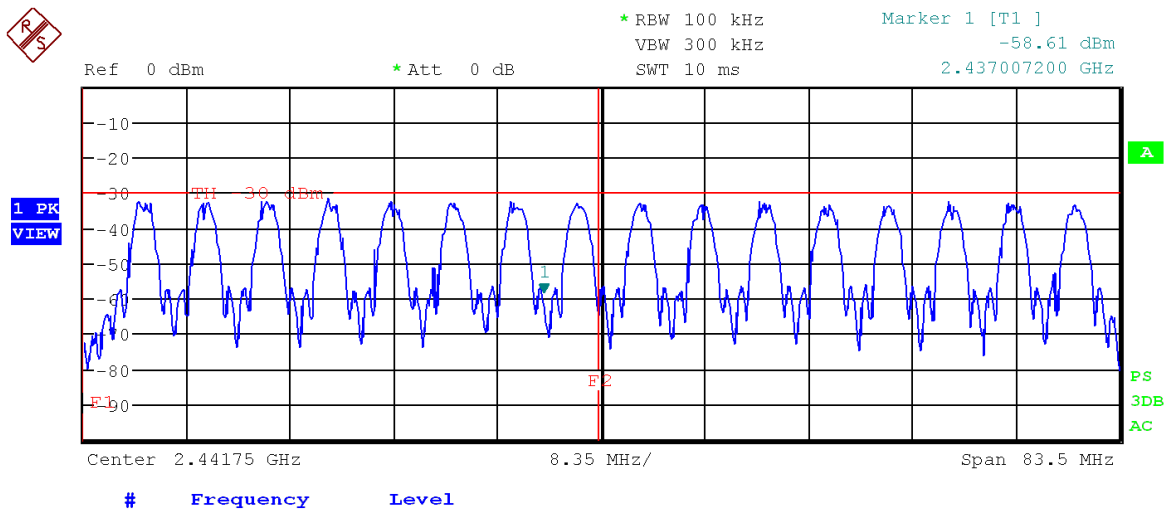
Hopping Characteristics, Spectrum Plots

8.4.2 Carrier Frequency Separation Plot



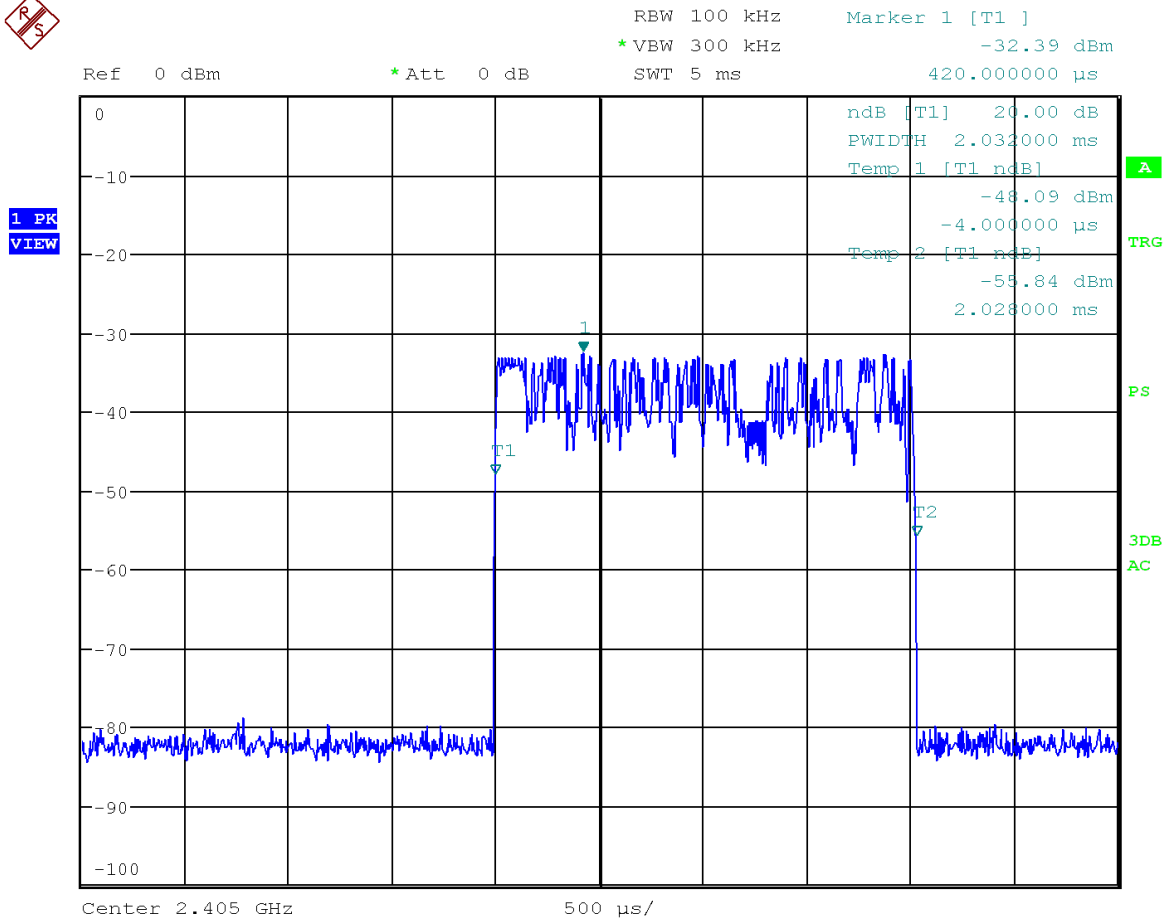
Date: 10.MAY.2024 15:14:30

8.4.3 Number of Hopping Frequencies Plot



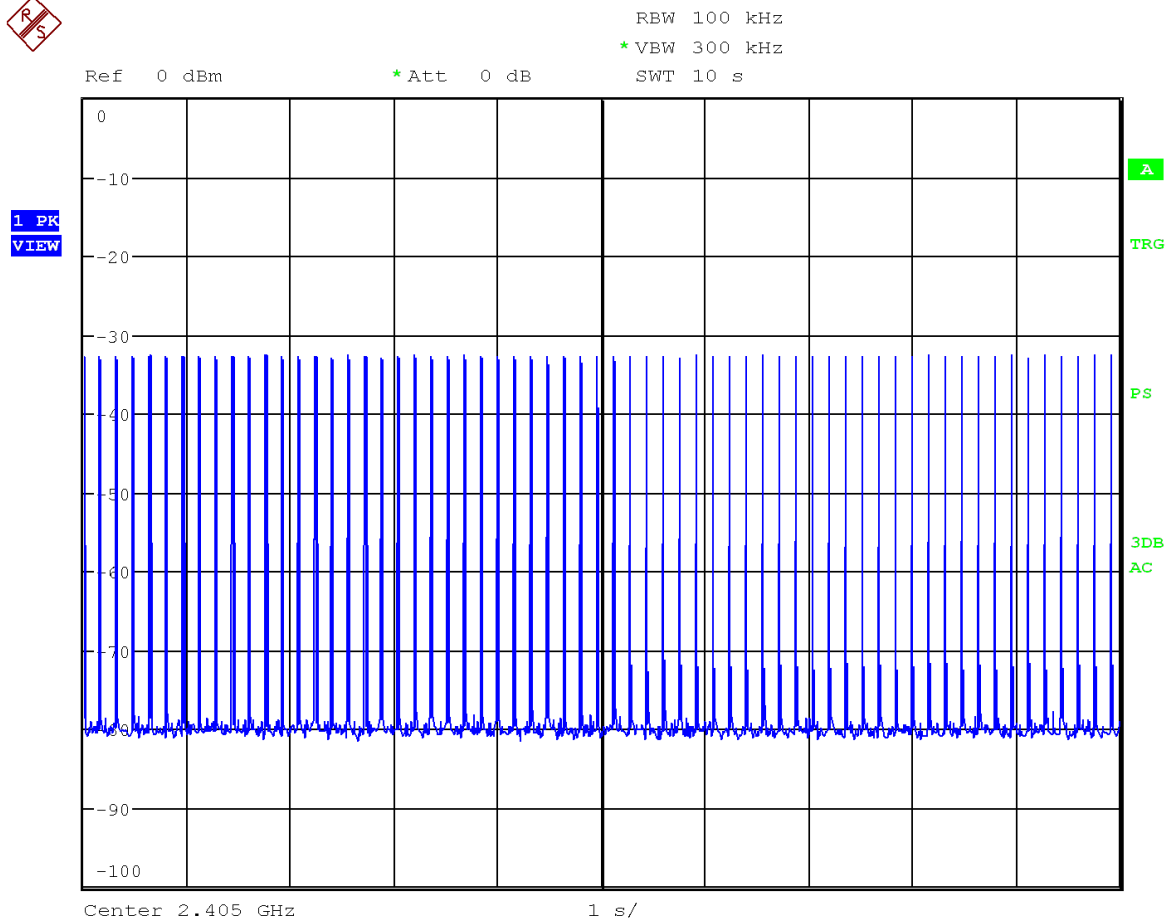
Date: 10.MAY.2024 15:16:59

8.4.4 Time of Occupancy Plot



Date: 10.MAY.2024 15:31:44

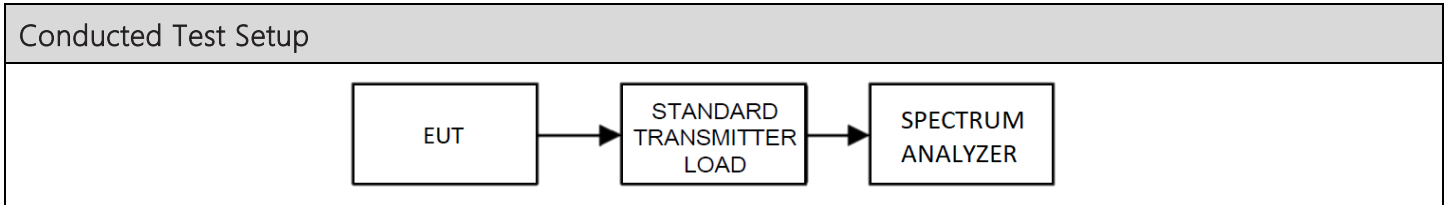
8.4.5 Hops in 10 s Plot



Date: 10.MAY.2024 15:32:45

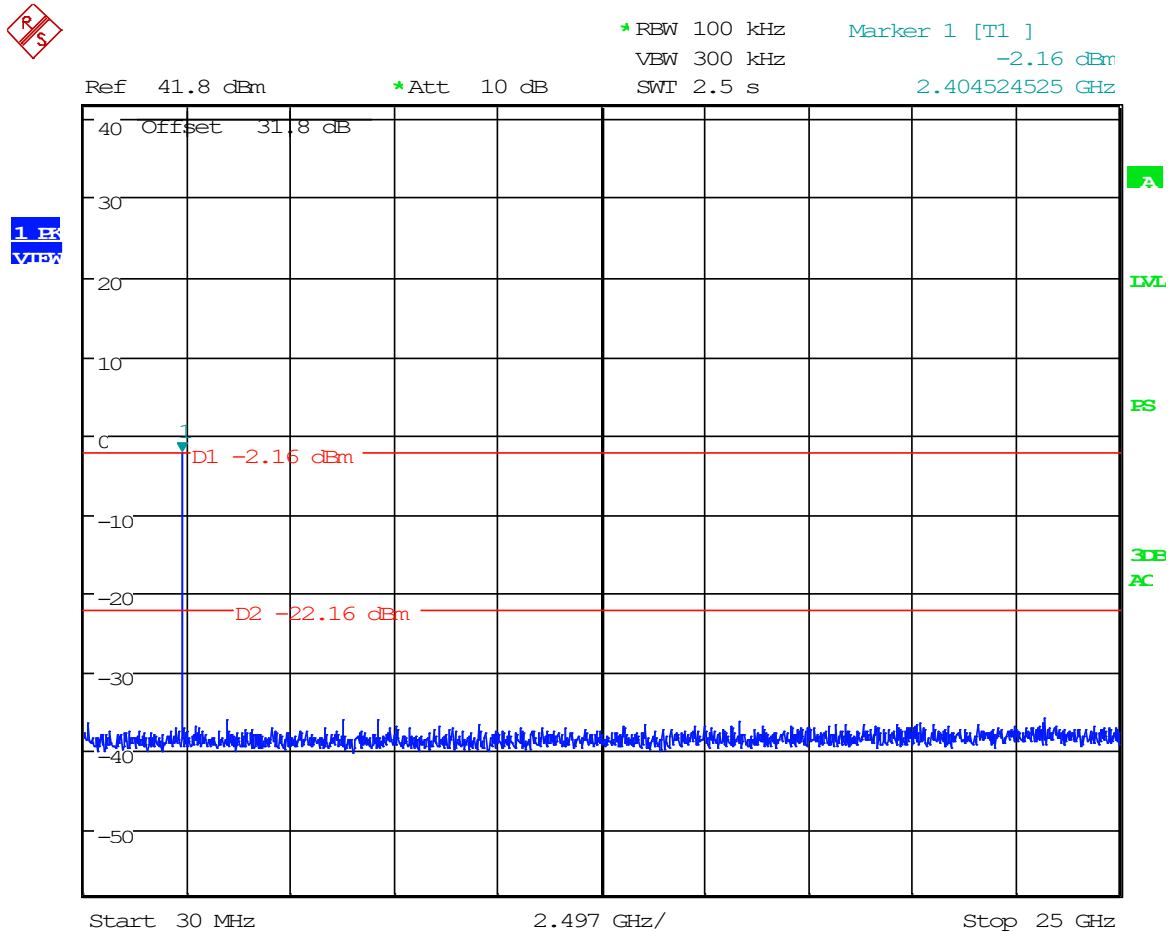
8.5 Emissions in Nonrestricted Frequency Bands (Out of Band)

Limits from FCC Part 15.247 (d) and 15.215 (b) and test procedure from ANSI C63.10-2013 section 7.8 or 11.11 as applicable.



Conducted Emissions in Non-Restricted Bands, Spectrum Plots

8.5.1 Conducted Emissions Test Data, 2405 MHz

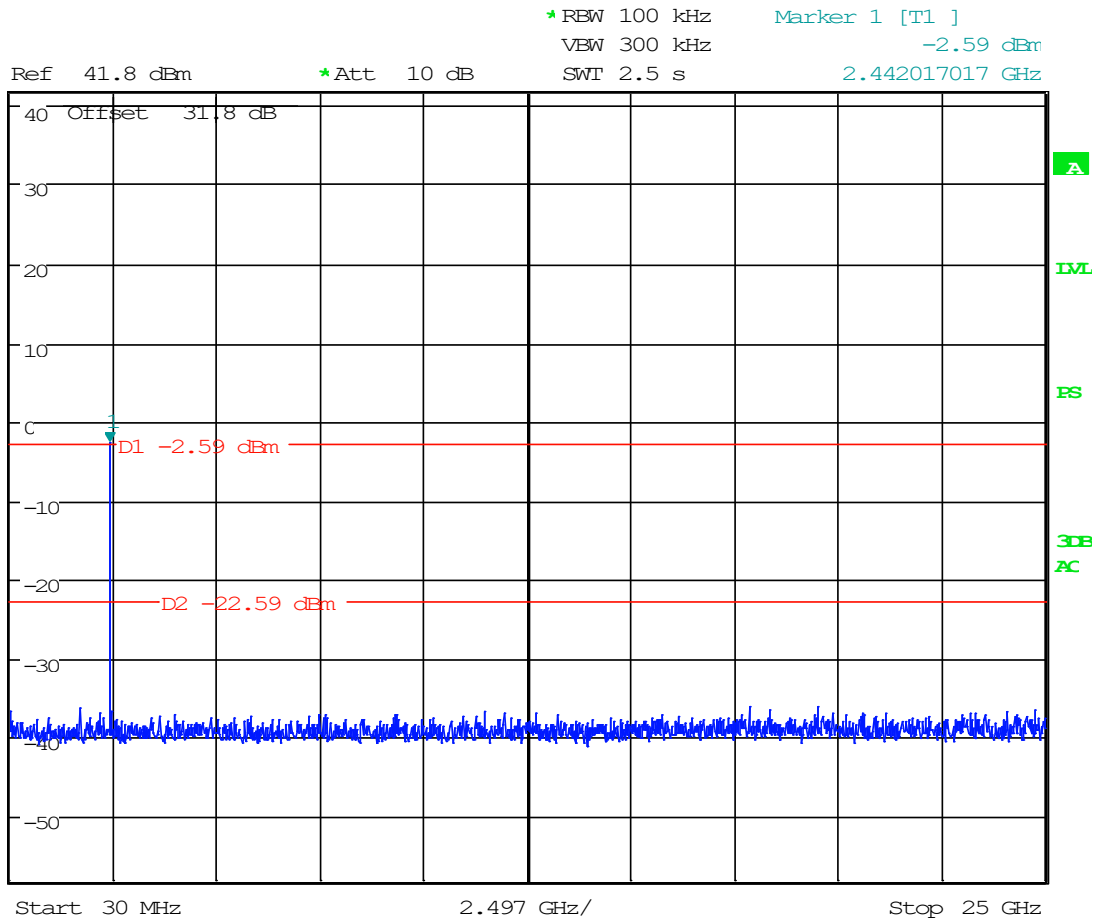


Date: 10.MAY.2024 13:18:09

8.5.2 Conducted Emissions Test Data, 2440 MHz



1.0K
VIEW

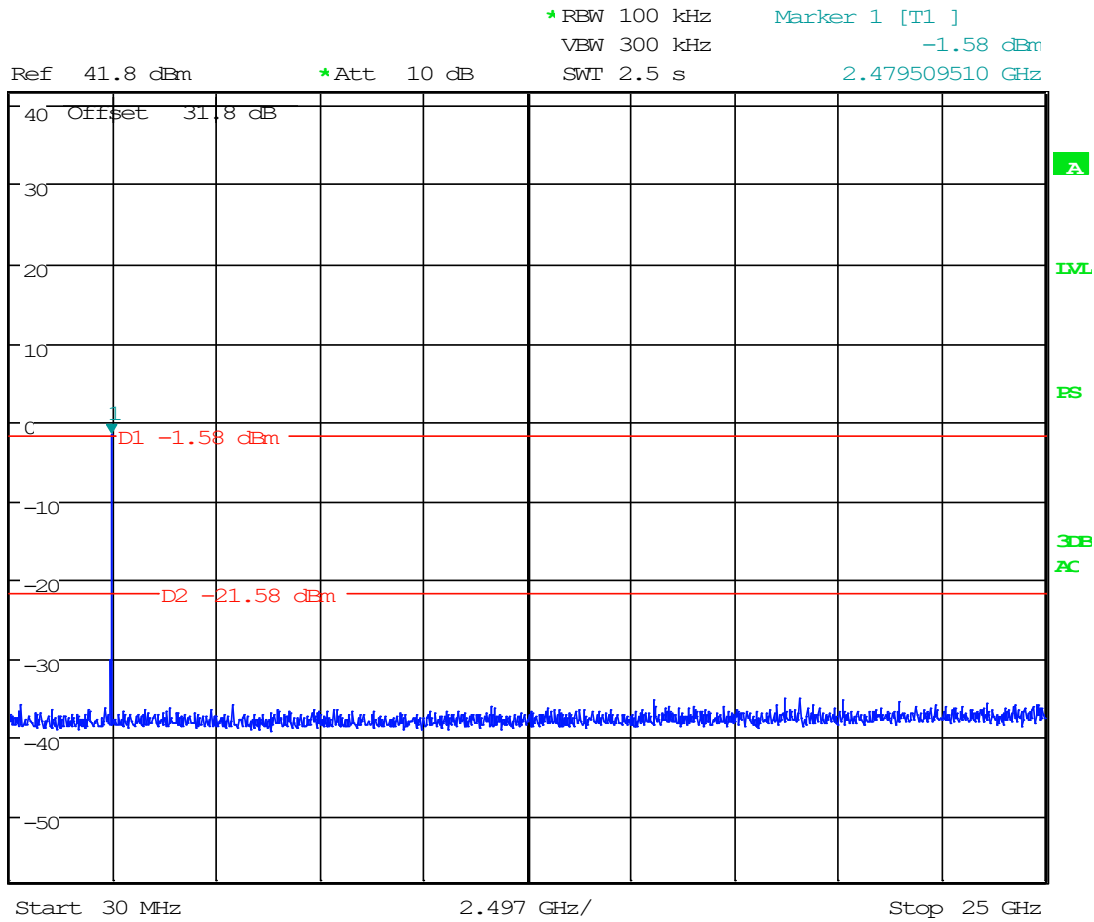


Date: 10.MAY.2024 13:19:28

8.5.3 Conducted Emissions Test Data, 2475 MHz



1.00k
VIEW

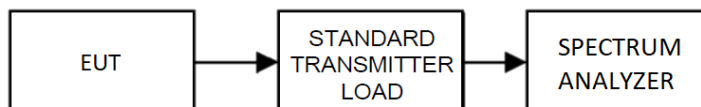


Date: 10.MAY.2024 13:22:14

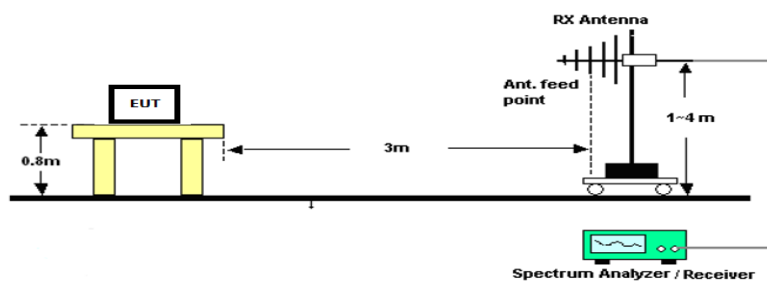
8.6 Band-edge measurements

Requirement from FCC KDB 558074 D01 and test procedure from ANSI C63.10-2013 section 7.8 or 11.13 as applicable.

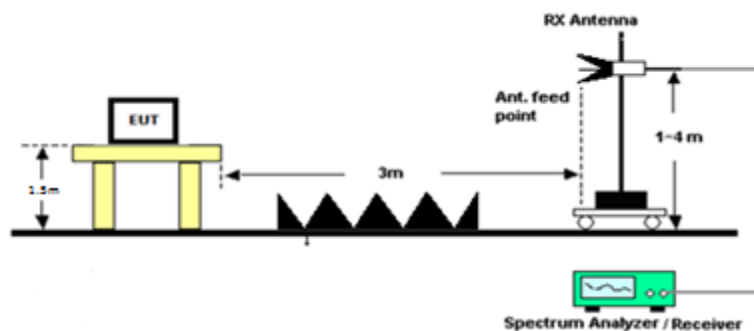
Conducted Test Setup



Radiated Test Setup, 30 – 1000 MHz

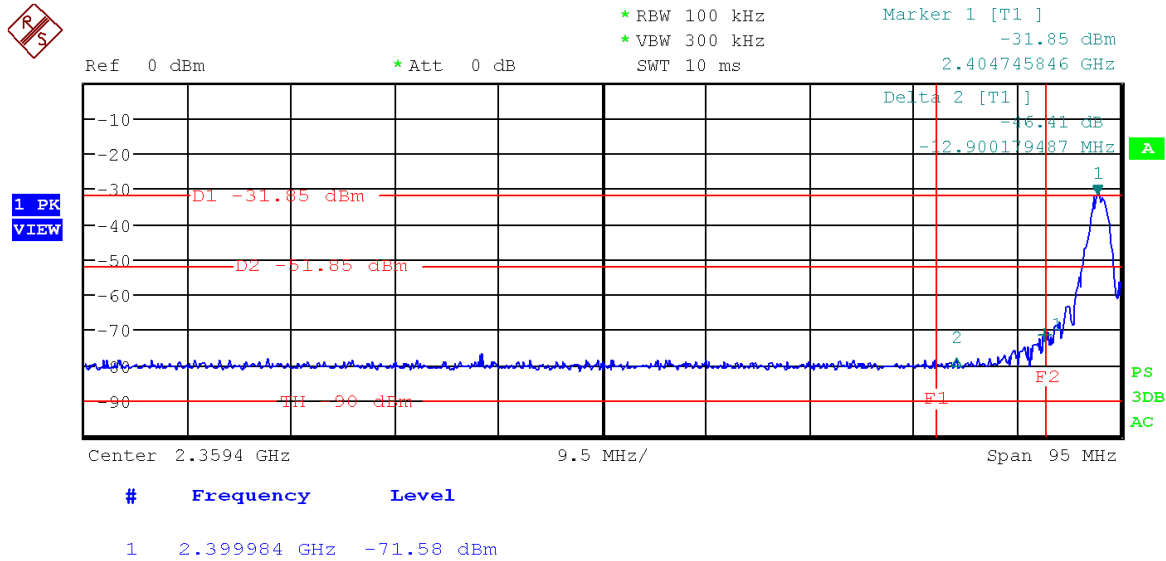


Radiated Test Setup, Above 1000 MHz



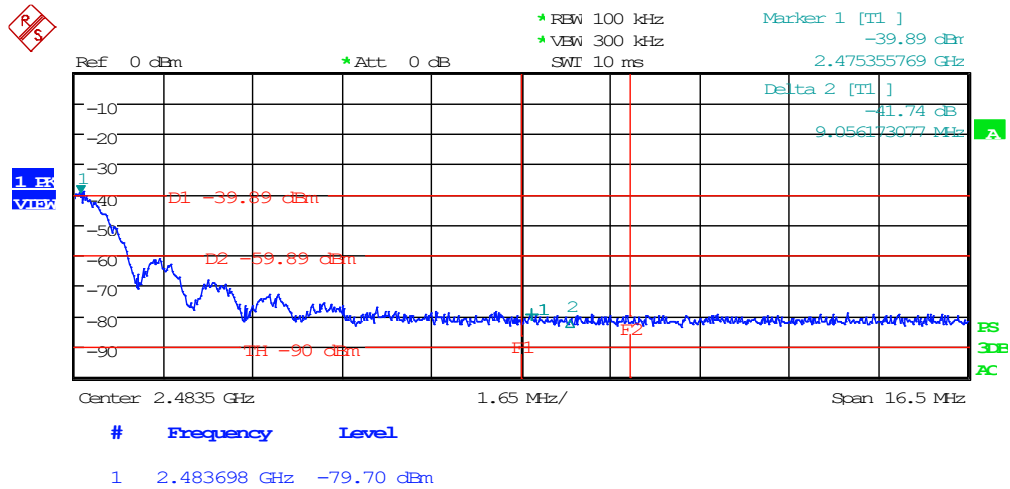
Band-edge Spectrum Plots

8.6.1 Lower Band Edge Plot, Stopped



Date: 10.MAY.2024 15:09:25

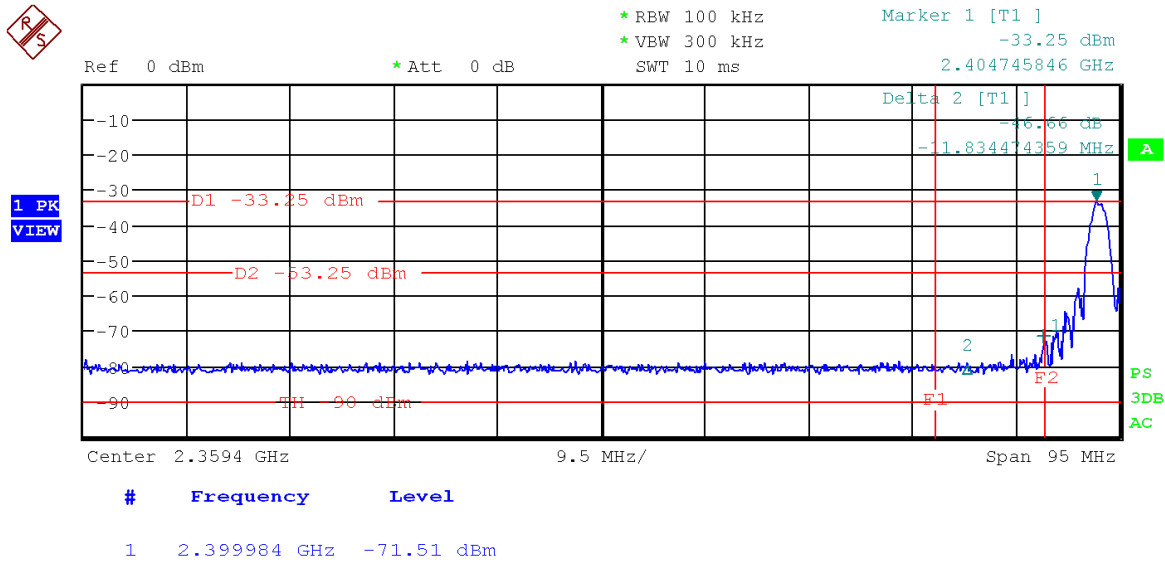
8.6.2 Upper Band Edge Plot, Stopped



Date: 13.MAY.2024 14:10:29

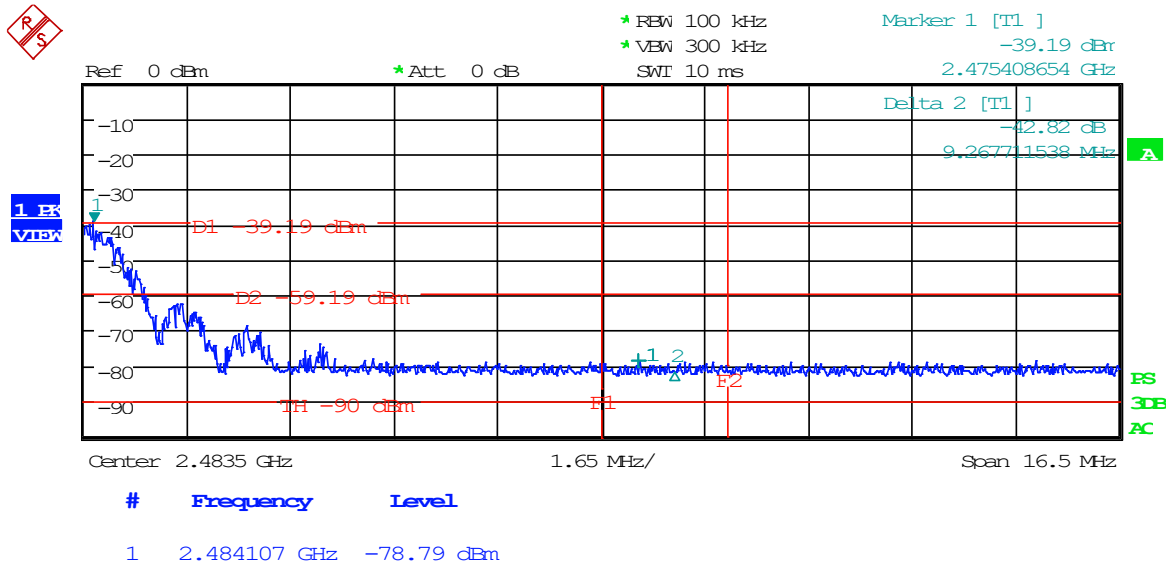
Tuned Frequency (MHz)	Emission Frequency (MHz)	15.205 Restricted Band	15.205, 15.35, 15.247(d) Detector	Fundamental Field Strength (dBμV/m)	Delta (dBm)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
2480.00	2483.69	X	PK	74.69	41.74	32.95	73.98	41.03
2480.00	2483.69	X	PK	71.39	41.74	29.65	73.98	44.33
2480.00	2483.69	X	AVG	58.49	41.74	16.75	53.98	37.23
2480.00	2483.69	X	AVG	55.39	41.74	13.65	53.98	40.33

8.6.3 Lower Band Edge Plot, Hopping



Date: 10.MAY.2024 15:07:28

8.6.4 Upper Band Edge Plot, Hopping

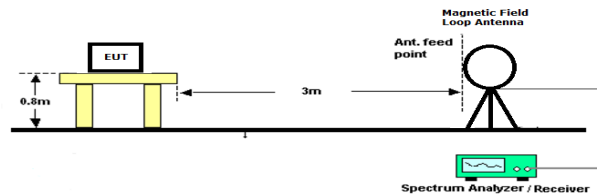


Date: 13.MAY.2024 14:11:44

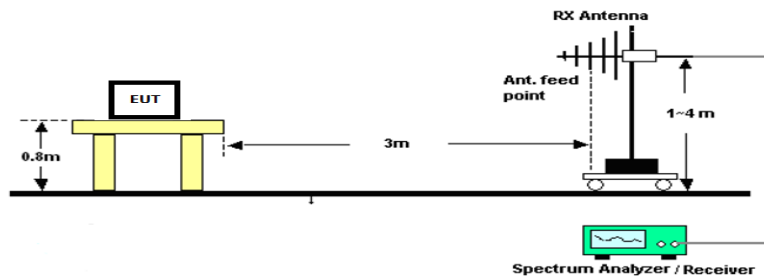
8.7 Radiated Emissions

Restricted Bands from FCC Part 15.205; Limits from FCC Part 15.209

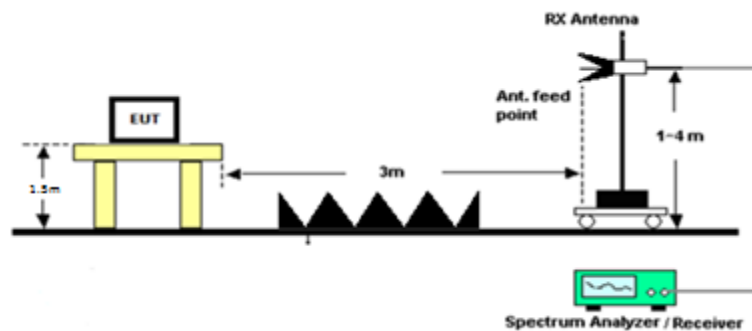
Radiated Test Setup, Below 30 MHz



Radiated Test Setup, 30 – 1000 MHz



Radiated Test Setup, Above 1000 MHz



Radiated Emissions in Restricted Bands, Tabular Data

8.7.1 Radiated Emissions, 2405 MHz

Tuned Frequency (MHz)	Emission Frequency (MHz)	15.205 Restricted Band	15.205, 15.35, 15.247(d) Detector	Meter Reading (dBμV)	Antenna Polarity	Coax Loss (dB)	Duty Cycle Correction (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
2405.00	4810.00	X	PK	-0.10	H	7.11	-13.98	34.19	3.00	27.22	73.98	46.76
2405.00	4810.00	X	PK	-0.80	V	7.11	-13.98	34.19	3.00	26.52	73.98	47.46
2405.00	4810.00	X	AVG	-14.50	H	7.11	-13.98	34.19	3.00	12.82	53.98	41.16
2405.00	4810.00	X	AVG	-14.50	V	7.11	-13.98	34.19	3.00	12.82	53.98	41.16
2405.00	7215.00		PK	4.10	H	9.53	-13.98	36.34	3.00	35.99	53.98	17.99
2405.00	7215.00		PK	-2.10	V	9.53	-13.98	36.34	3.00	29.79	53.98	24.19
2405.00	9620.00		PK	-1.00	H	10.72	-13.98	36.83	3.00	32.57	53.98	21.41
2405.00	9620.00		PK	-1.00	V	10.72	-13.98	36.83	3.00	32.57	53.98	21.41
2405.00	12025.00	X	PK	-2.10	H	12.31	-13.98	38.81	3.00	35.04	73.98	38.94
2405.00	12025.00	X	PK	-2.20	V	12.31	-13.98	38.81	3.00	34.94	73.98	39.04
2405.00	12025.00	X	AVG	-16.00	H	12.31	-13.98	38.81	3.00	21.14	53.98	32.84
2405.00	12025.00	X	AVG	-16.20	V	12.31	-13.98	38.81	3.00	20.94	53.98	33.04
2405.00	14430.00		PK	-3.50	H	13.35	-13.98	39.72	3.00	35.59	53.98	18.39
2405.00	14430.00		PK	-3.50	V	13.35	-13.98	39.72	3.00	35.59	53.98	18.39
2405.00	16835.00		PK	-2.20	H	14.62	-13.98	42.29	3.00	40.72	53.98	13.26
2405.00	16835.00		PK	-1.70	V	14.62	-13.98	42.29	3.00	41.22	53.98	12.76
2405.00	19240.00	X	PK	-0.80	H	16.08	-13.98	16.08	3.00	17.38	73.98	56.60
2405.00	19240.00	X	PK	-0.50	V	16.08	-13.98	16.08	3.00	17.68	73.98	56.30
2405.00	19240.00	X	AVG	-14.50	H	16.08	-13.98	16.08	3.00	3.68	53.98	50.30
2405.00	19240.00	X	AVG	-14.60	V	16.08	-13.98	16.08	3.00	3.58	53.98	50.40
2405.00	21645.00		PK	0.90	H	16.84	-13.98	16.84	3.00	20.60	53.98	33.38
2405.00	21645.00		PK	0.50	V	16.84	-13.98	16.84	3.00	20.20	53.98	33.78
2405.00	24050.00		PK	2.90	H	17.94	-13.98	17.94	3.00	24.81	53.98	29.17
2405.00	24050.00		PK	2.70	V	17.94	-13.98	17.94	3.00	24.61	53.98	29.37

8.7.2 Radiated Emissions, 2440 MHz

Tuned Frequency (MHz)	Emission Frequency (MHz)	15.205 Restricted Band	15.205, 15.35, 15.247(d) Detector	Meter Reading (dBμV)	Antenna Polarity	Coax Loss (dB)	Duty Cycle Correction (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
2440.00	4880.00	X	PK	2.60	H	7.33	-13.98	34.11	3.00	30.06	73.98	43.92
2440.00	4880.00	X	PK	2.10	V	7.33	-13.98	34.11	3.00	29.56	73.98	44.42
2440.00	4880.00	X	AVG	-14.00	H	7.33	-13.98	34.11	3.00	13.46	53.98	40.52
2440.00	4880.00	X	AVG	-14.10	V	7.33	-13.98	34.11	3.00	13.36	53.98	40.62
2440.00	7320.00	X	PK	-2.60	H	9.61	-13.98	36.43	3.00	29.45	73.98	44.53
2440.00	7320.00	X	PK	4.90	V	9.61	-13.98	36.43	3.00	36.95	73.98	37.03
2440.00	7320.00	X	AVG	-16.00	H	9.61	-13.98	36.43	3.00	16.05	53.98	37.93
2440.00	7320.00	X	AVG	-16.00	V	9.61	-13.98	36.43	3.00	16.05	53.98	37.93
2440.00	9760.00		PK	-2.00	H	10.98	-13.98	37.03	3.00	32.03	53.98	21.95
2440.00	9760.00		PK	-2.10	V	10.98	-13.98	37.03	3.00	31.93	53.98	22.05
2440.00	12200.00	X	PK	-3.20	H	12.52	-13.98	39.03	3.00	34.37	73.98	39.61
2440.00	12200.00	X	PK	-3.00	V	12.52	-13.98	39.03	3.00	34.57	73.98	39.41
2440.00	12200.00	X	AVG	-16.50	H	12.52	-13.98	39.03	3.00	21.07	53.98	32.91
2440.00	12200.00	X	AVG	-16.50	V	12.52	-13.98	39.03	3.00	21.07	53.98	32.91
2440.00	14640.00		PK	-4.50	H	13.68	-13.98	39.86	3.00	35.06	53.98	18.92
2440.00	14640.00		PK	-3.80	V	13.68	-13.98	39.86	3.00	35.76	53.98	18.22
2440.00	17080.00		PK	-1.90	H	14.72	-13.98	41.98	3.00	40.83	53.98	13.15
2440.00	17080.00		PK	-2.30	V	14.72	-13.98	41.98	3.00	40.43	53.98	13.55
2440.00	19520.00	X	PK	-0.70	H	15.67	-13.98	15.67	3.00	16.67	73.98	57.31
2440.00	19520.00	X	PK	-0.80	V	15.67	-13.98	15.67	3.00	16.57	73.98	57.41
2440.00	19520.00	X	AVG	-14.60	H	15.67	-13.98	15.67	3.00	2.77	53.98	51.21
2440.00	19520.00	X	AVG	-14.60	V	15.67	-13.98	15.67	3.00	2.77	53.98	51.21
2440.00	21960.00		PK	2.70	H	16.92	-13.98	16.92	3.00	22.57	53.98	31.41
2440.00	21960.00		PK	2.60	V	16.92	-13.98	16.92	3.00	22.47	53.98	31.51
2440.00	24400.00		PK	4.60	H	18.20	-13.98	18.20	3.00	27.01	53.98	26.97
2440.00	24400.00		PK	4.60	V	18.20	-13.98	18.20	3.00	27.01	53.98	26.97

8.7.3 Radiated Emissions, 2475 MHz

Tuned Frequency (MHz)	Emission Frequency (MHz)	15.205 Restricted Band	15.205, 15.35, 15.247(d) Detector	Meter Reading (dBμV)	Antenna Polarity	Coax Loss (dB)	Duty Cycle Correction (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
2475.00	4950.00	X	PK	0.20	H	7.75	-13.98	33.98	3.00	27.96	73.98	46.02
2475.00	4950.00	X	PK	-0.10	V	7.75	-13.98	33.98	3.00	27.66	73.98	46.32
2475.00	4950.00	X	AVG	-14.10	H	7.75	-13.98	33.98	3.00	13.66	53.98	40.32
2475.00	4950.00	X	AVG	-14.20	V	7.75	-13.98	33.98	3.00	13.56	53.98	40.42
2475.00	7425.00	X	PK	-1.50	H	9.53	-13.98	36.23	3.00	30.28	73.98	43.70
2475.00	7425.00	X	PK	-2.10	V	9.53	-13.98	36.23	3.00	29.68	73.98	44.30
2475.00	7425.00	X	AVG	-15.90	H	9.53	-13.98	36.23	3.00	15.88	53.98	38.10
2475.00	7425.00	X	AVG	-15.80	V	9.53	-13.98	36.23	3.00	15.98	53.98	38.00
2475.00	9900.00		PK	-3.00	H	11.15	-13.98	37.06	3.00	31.23	53.98	22.75
2475.00	9900.00		PK	-2.70	V	11.15	-13.98	37.06	3.00	31.53	53.98	22.45
2475.00	12375.00	X	PK	-2.90	H	12.47	-13.98	39.24	3.00	34.83	73.98	39.15
2475.00	12375.00	X	PK	-2.10	V	12.47	-13.98	39.24	3.00	35.63	73.98	38.35
2475.00	12375.00	X	AVG	-16.50	H	12.47	-13.98	39.24	3.00	21.23	53.98	32.75
2475.00	12375.00	X	AVG	-16.40	V	12.47	-13.98	39.24	3.00	21.33	53.98	32.65
2475.00	14850.00		PK	-4.30	H	13.39	-13.98	40.05	3.00	35.16	53.98	18.82
2475.00	14850.00		PK	-4.30	V	13.39	-13.98	40.05	3.00	35.16	53.98	18.82
2475.00	17325.00		PK	-0.40	H	14.89	-13.98	41.61	3.00	42.12	53.98	11.86
2475.00	17325.00		PK	-1.10	V	14.89	-13.98	41.61	3.00	41.42	53.98	12.56
2475.00	19800.00	X	PK	-0.60	H	16.25	-13.98	16.25	3.00	17.92	73.98	56.06
2475.00	19800.00	X	PK	-1.10	V	16.25	-13.98	16.25	3.00	17.42	73.98	56.56
2475.00	19800.00	X	AVG	-14.70	H	16.25	-13.98	16.25	3.00	3.82	53.98	50.16
2475.00	19800.00	X	AVG	-14.80	V	16.25	-13.98	16.25	3.00	3.72	53.98	50.26
2475.00	22275.00	X	PK	0.40	H	17.13	-13.98	17.13	3.00	20.69	73.98	53.29
2475.00	22275.00	X	PK	0.50	V	17.13	-13.98	17.13	3.00	20.79	73.98	53.19
2475.00	22275.00	X	AVG	-13.40	H	17.13	-13.98	17.13	3.00	6.89	53.98	47.09
2475.00	22275.00	X	AVG	-13.40	V	17.13	-13.98	17.13	3.00	6.89	53.98	47.09
2475.00	24750.00		PK	6.10	H	18.08	-13.98	18.08	3.00	28.27	53.98	25.71
2475.00	24750.00		PK	7.00	V	18.08	-13.98	18.08	3.00	29.17	53.98	24.81

9. ANNEX-B – Test Setup Photographs

Test setup photographs are located in a separate supplementary ANNEX-B document.

10. History of Test Report Changes

Test Report #	Revision #	Description	Date of Issue
TR_13564-24_FCC 15.247_	1	Initial release	5/13/2024

END OF TEST REPORT