TIMCO ENGINEERING, Inc.

An IIA Company

Test Report – FCC Part 15.236 Low Power Licensed Wireless Microphone
Applicant: Zaxcom, Inc.

Approved for Release By:

Signature: Bruno Clavier

Name & Title: Bruno Clavier, General Manager

Date of Signature 8/8/2022

Table of Contents

1. Customer Information

Applicant: Zaxcom, Inc.
Address: 230 West Parkway
Unit 9
Pompton Plains, New Jersey, 07444, United States

1.1 Test Result Summary

The following test procedure was used ANSI C63.10 and KDB 206256 D01 Wireless Microphone Certification. 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 15.236		
FCC Clauses	Description of the requirements	Result: (Pass, Fail, N/A)
15.236 (c) (1) – (6)	Permissible Frequency Bands	Pass
15.236 (d) (1) – (2)	Maximum Radiated Power	Pass
15.236 (f) (1) – (2)	Channel Aggregation & Bandwidth	Pass
15.236 (f) (3)	Frequency Tolerance	Pass
15.236 (g)	Radiated Emissions, In-band	Pass

Other 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, Out-of-band	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
15.214	Cordless Telephones	n/a

2. Location of Testing

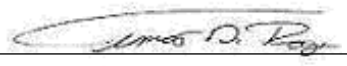
2.1 Test Laboratory

Timco Engineering Inc. is a subsidiary of Industrial Inspection & Analysis, Inc. ("IIA"). Testing was performed at Timco's permanent laboratory located at 849 NW State Road 45, Newberry, Florida 32669

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

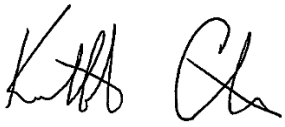
2.2 Testing was performed, reviewed by

Dates of Testing: 6/15/2022- 6/17/2022

Signature:  Sr. EMC Engineer EMC-003838-NE

Name & Title: Tim Royer, EMC Engineer

Date of Signature 8/8/2022

Signature: 

Name & Title: Kristoffer Costa, EMC Technician

Date of Signature 8/8/2022

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

The test sample was received: 6/10/2022

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:	PR6LA5
Brief Description	Wireless Microphone
Type of Modular	N/A
Model(s) #	TRXLA5, TRX743, TRX745, TRX-CL
Firmware version	N/A
Software version	N/A
Serial Number	N/A

Technical Characteristics	
Technology	Wireless Microphone
Frequency Range	470- 608 MHz, 614-616 MHz, 657- 663 MHz
RF O/P Power (Max.)	13.85 dBm/ 24.31 mW
Bandwidth & Emission Class	113.07 kHz
Number of Channels	N/A
Duty Cycle	100%
Voltage Rating (AC or Batt.)	Battery

Antenna Characteristics			
Antenna	Frequency Range	Mode / BW	Antenna Gain
1	n/a	n/a	0 dBi

- 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

Band (MHz)	Mode	Number of Ant.
470- 608 MHz 657- 663 MHz 614-616 MHz	Transmit	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:

No peripherals used.

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

The measurement was performed as per ANSI C63.10 and KDB 206256 D01 Wireless Microphone Certification. Full test results are available in this report.

Limits and Regulatory Limits:

1) FCC Part 15.236

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

Temperature & Humidity

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

Parameter	Measurement
Temperature	23 C +/- 5%
Humidity	55% +/- 5%
Barometric Pressure	30.05 in Hg
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.

List of Test Equipment

Test Equipment						
Type	Device	Manufacturer	Model	SN#	Current Cal	Cal Due
Antenna, NSA	Log-Periodic 1243	Eaton	96005	1243	5/4/21	5/3/2024
Antenna	Double-Ridged Horn/ETS Horn 1	ETS-Lindgren	3117	00035923	2/25/20	2/24/2023
CHAMBER	CHAMBER	Panashield	3M	N/A	3/12/19	12/21/2023
Pre-amp	Pre-amp	RF-LAMBDA	RLNA00M45GA	NA	2/27/19	8/26/2022
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	1/13/21	1/13/2024
Signal Generator	Signal Generator HP 8648C	HP	8648C	3847A04696	3/31/21	3/30/2024

Software			
Software	Author	Version	Validation on
ESU Firmware	Rohde & Schwarz	4.43 SP3; BIOS v5.1-24-3	2018
RSCommander	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).

Units of measurement

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 dBµV. 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 (dBµV/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 dBµV 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.

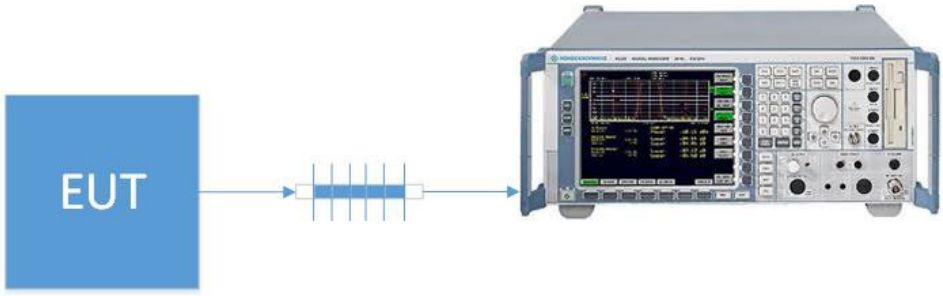
Example:

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

EIRP = Pcond (dBm) + dBi

8.1 RF POWER OUTPUT

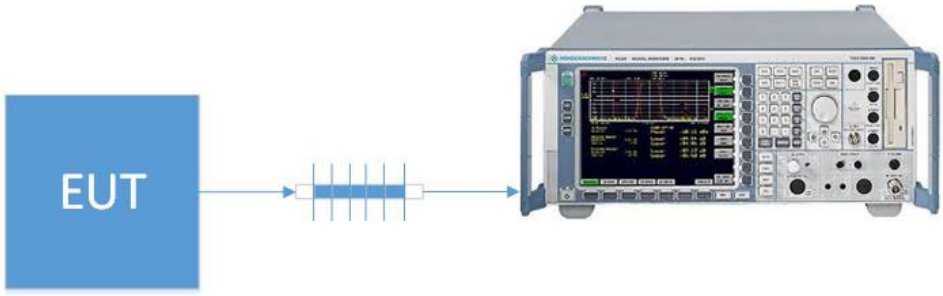
Limits from Part 2.1046 ,15.236 (d) (1) and test procedure from ANSI C63.10 and KDB 206256 D01 Wireless Microphone Certification.



Test Results		
Tuned Frequency (MHz)	Power Output (dBm)	Power Output (mW)
481	13.85	24.31
550	12.84	19.23
607	13.63	23.07
614.5	12.96	19.76
615.5	12.64	18.36
658	11.94	15.63
662	11.99	15.81

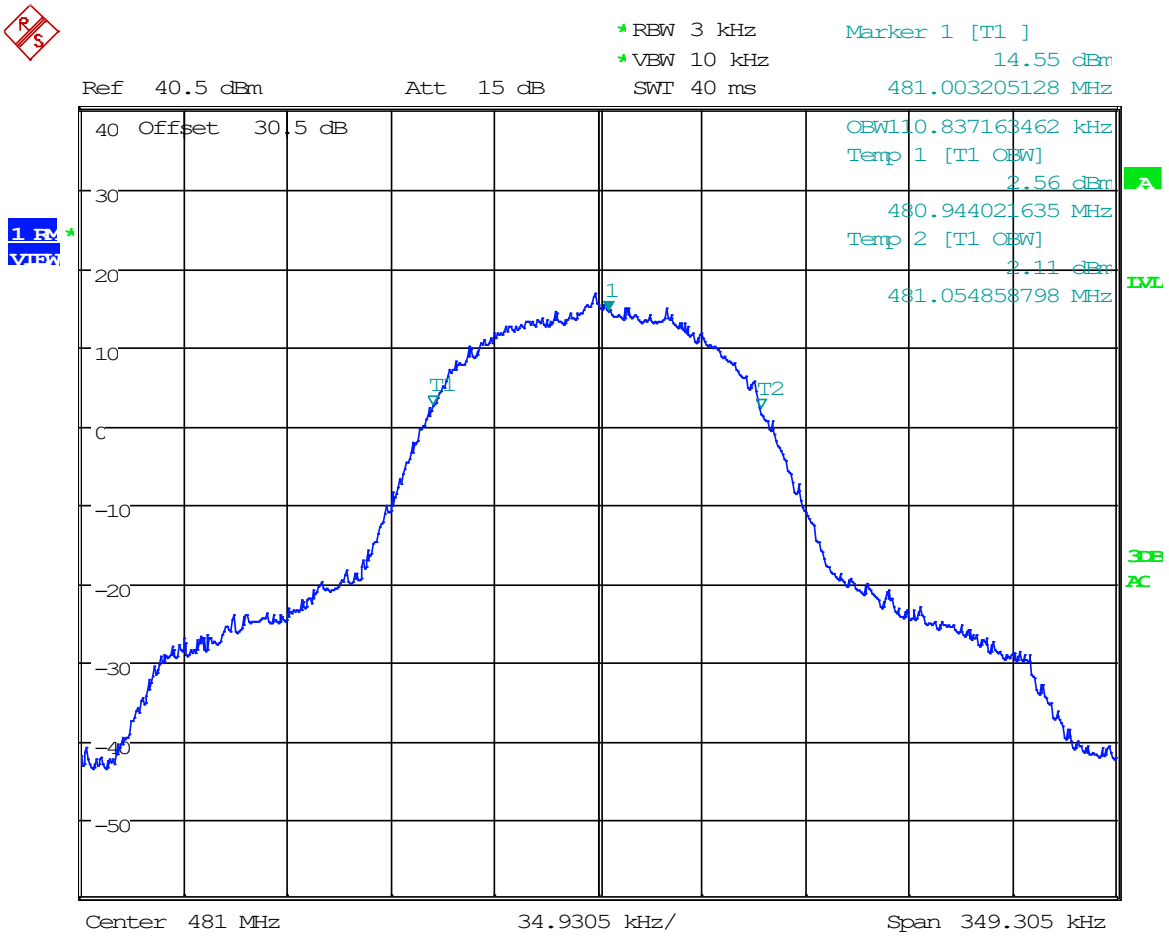
8.2 OCCUPIED BANDWIDTH

Limits from Part 2.1046 ,15.236 and test procedure from ANSI C63.10 and KDB 206256 D01 Wireless Microphone Certification.



Tuned Frequency (MHz)	99% BW (MHz)
481	110.83
550	110.27
607	113.07
614.5	110.40
615.5	107.17
658	109.15
662	108.59

8.2.1 99% Bandwidth Plot, 481 MHz



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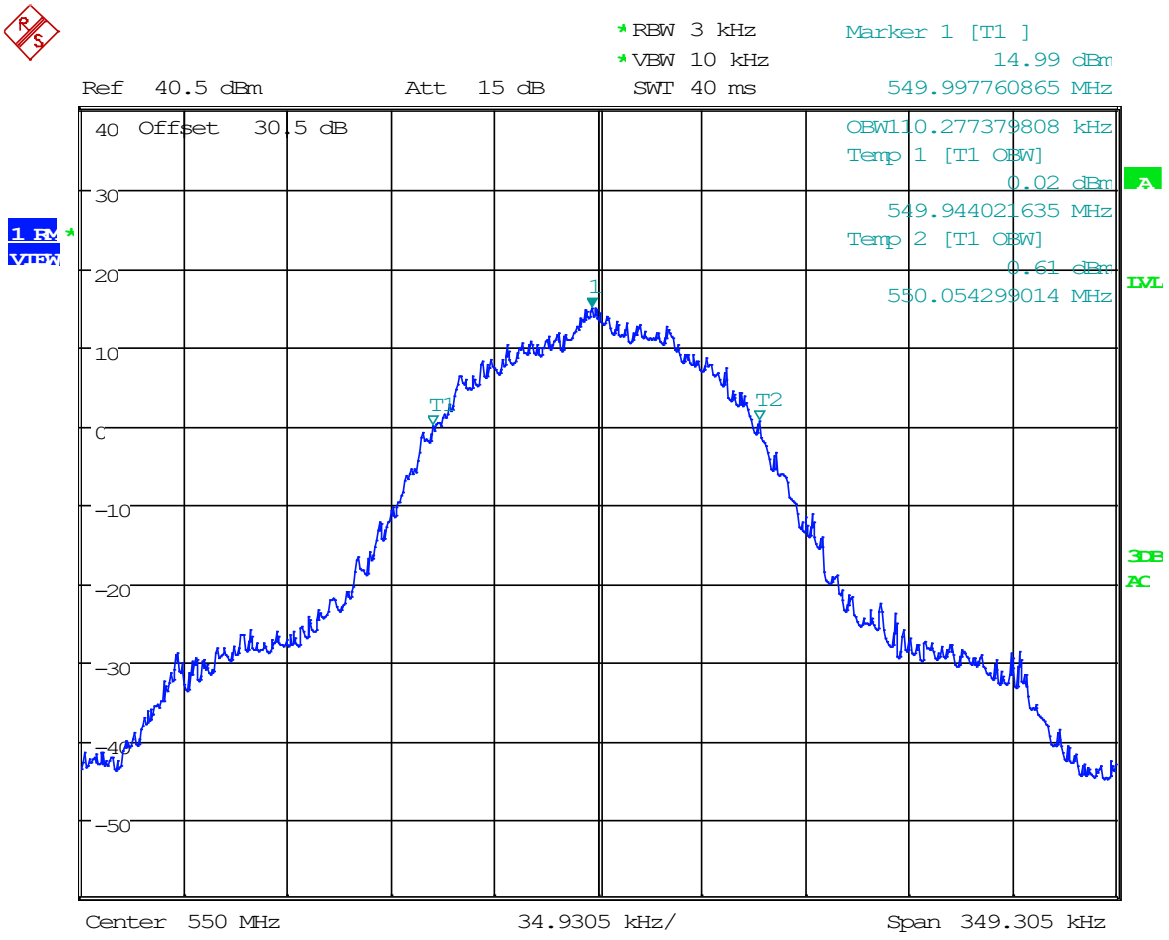
8.2.2 99% Bandwidth Plot, 550 MHz



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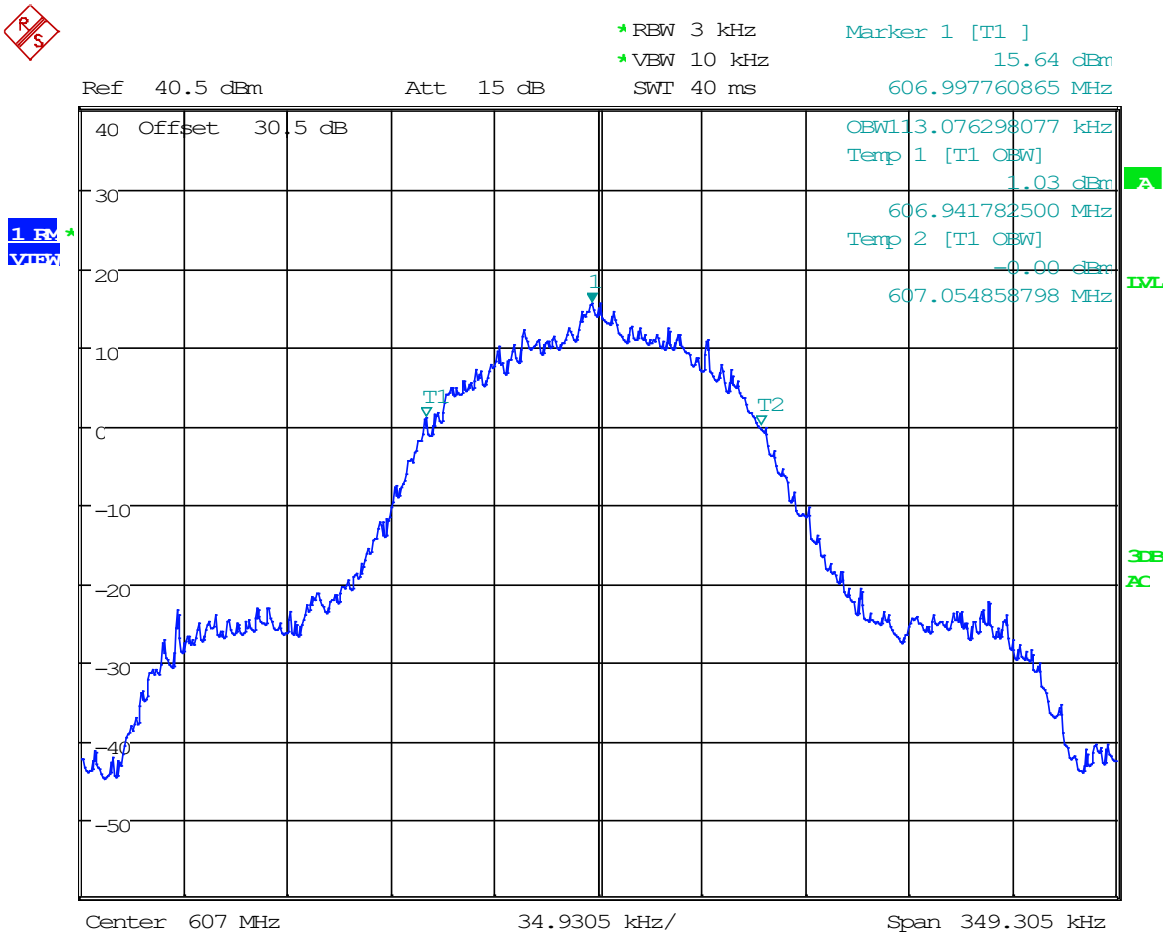
8.2.3 99% Bandwidth Plot, 607 MHz



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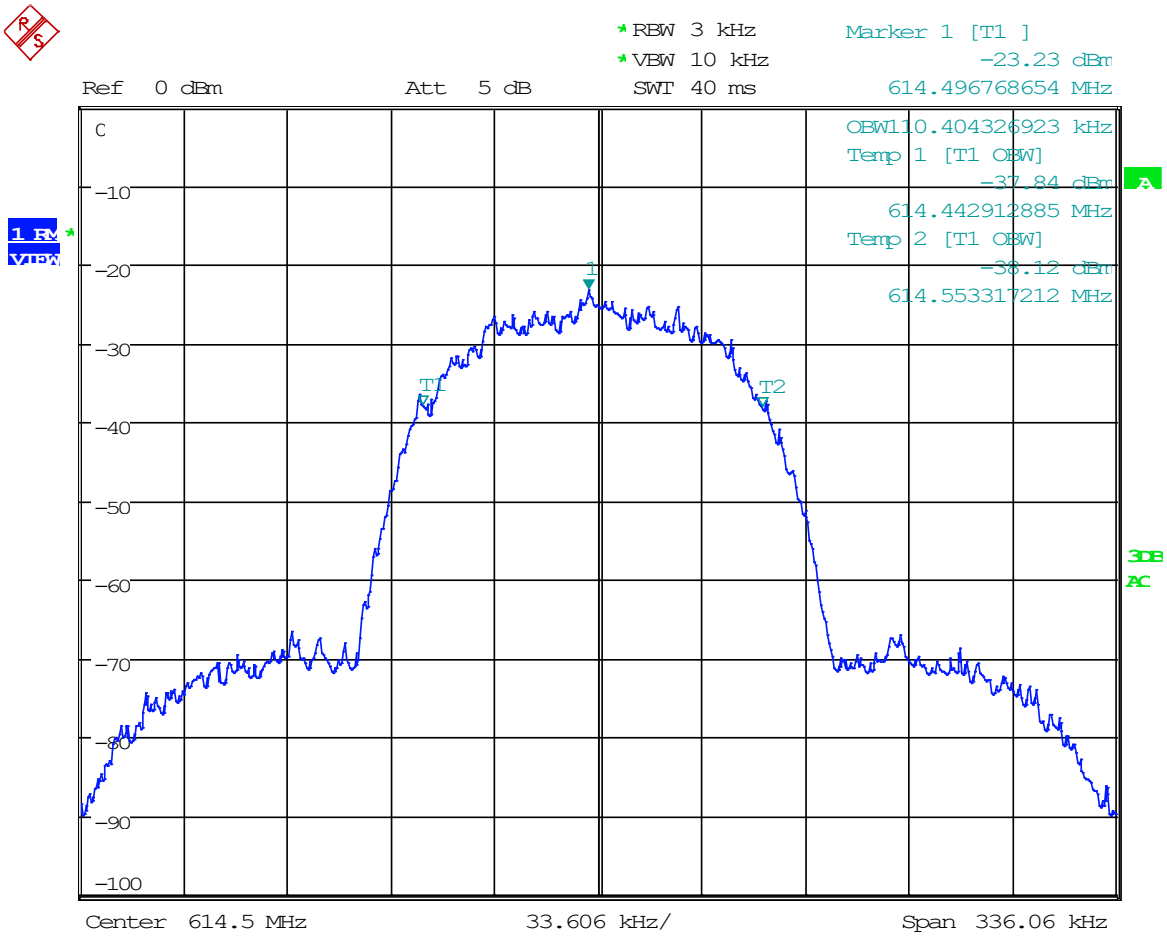
8.2.4 99% Bandwidth Plot, 614.5 MHz



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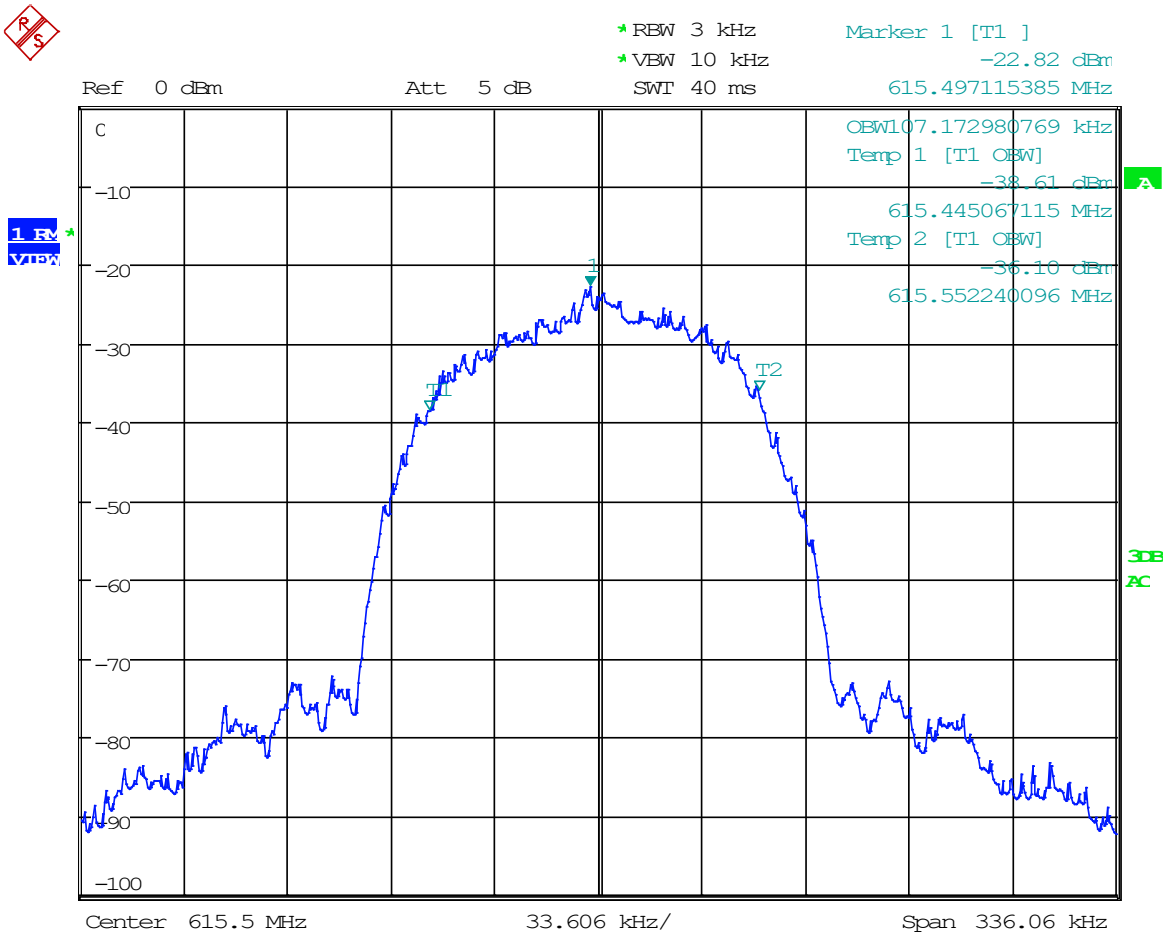
8.2.5 99% Bandwidth Plot, 615.5 MHz



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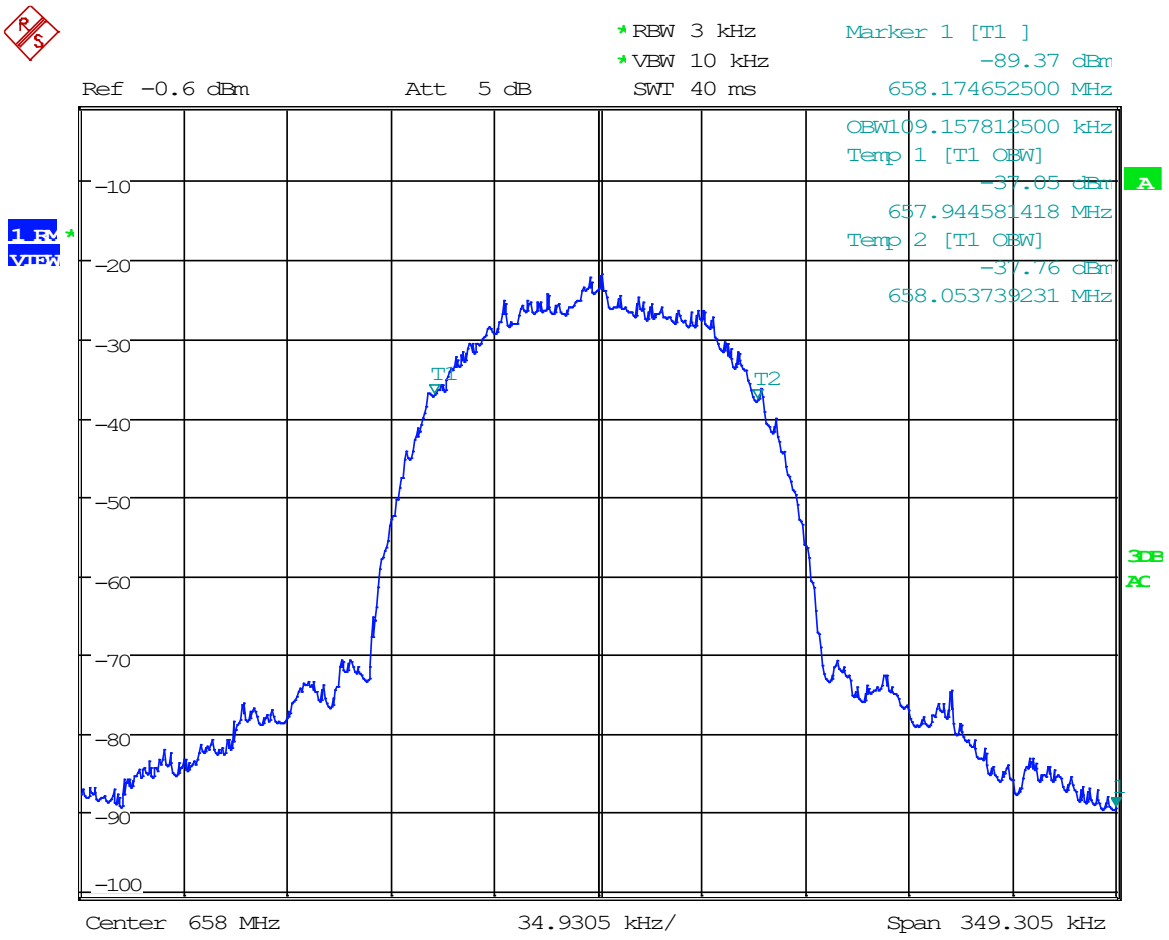
8.2.6 99% Bandwidth Plot, 658 MHz



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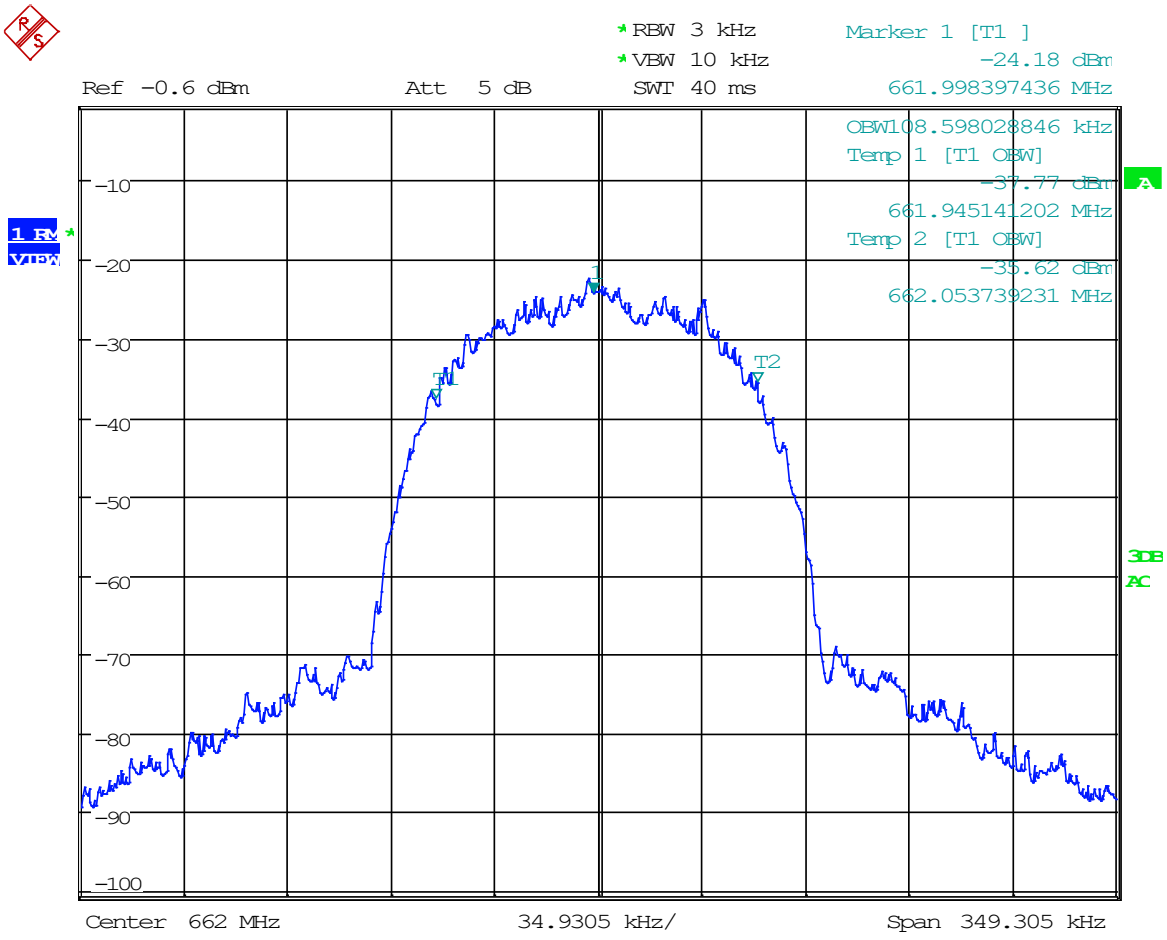
8.2.7 99% Bandwidth Plot, 662 MHz



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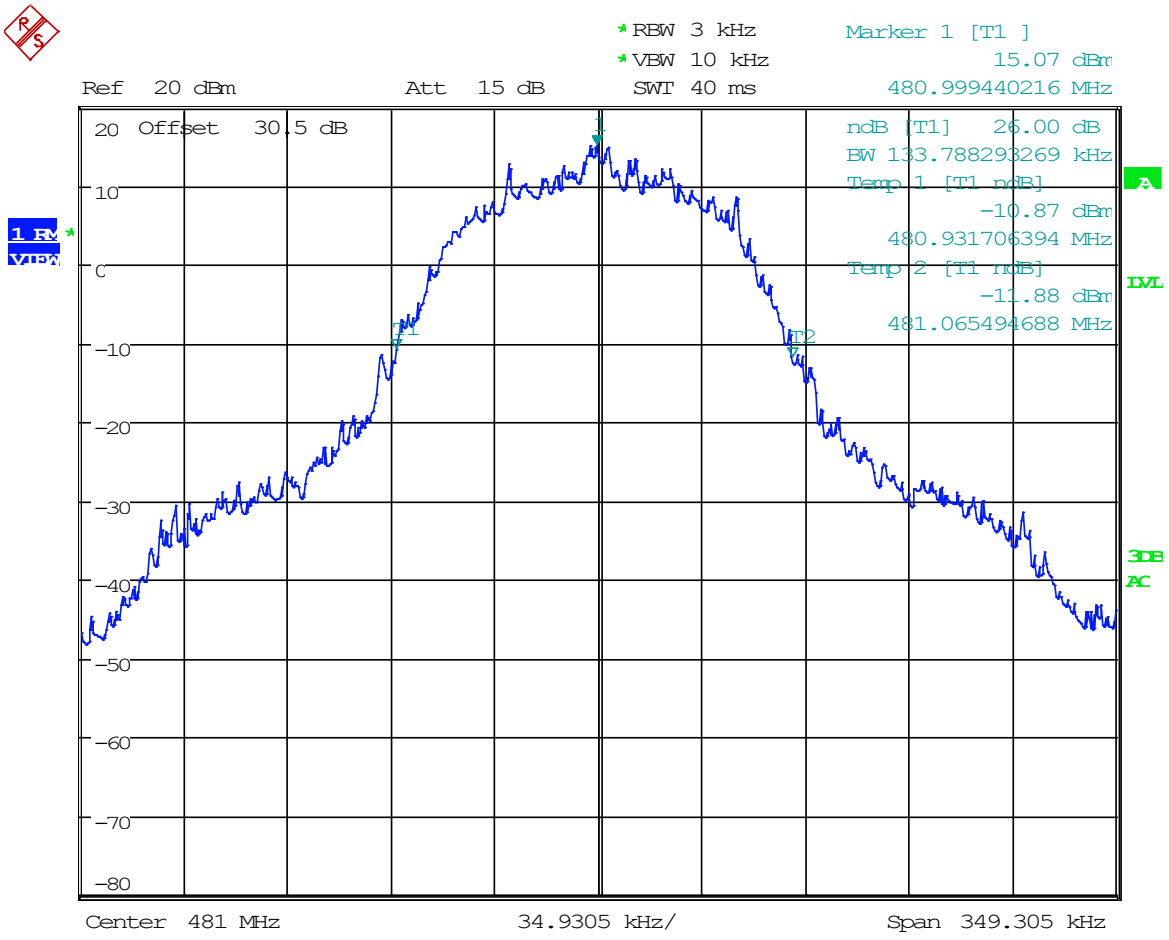
8.2.8 26dB Bandwidth Plot, 481 MHz



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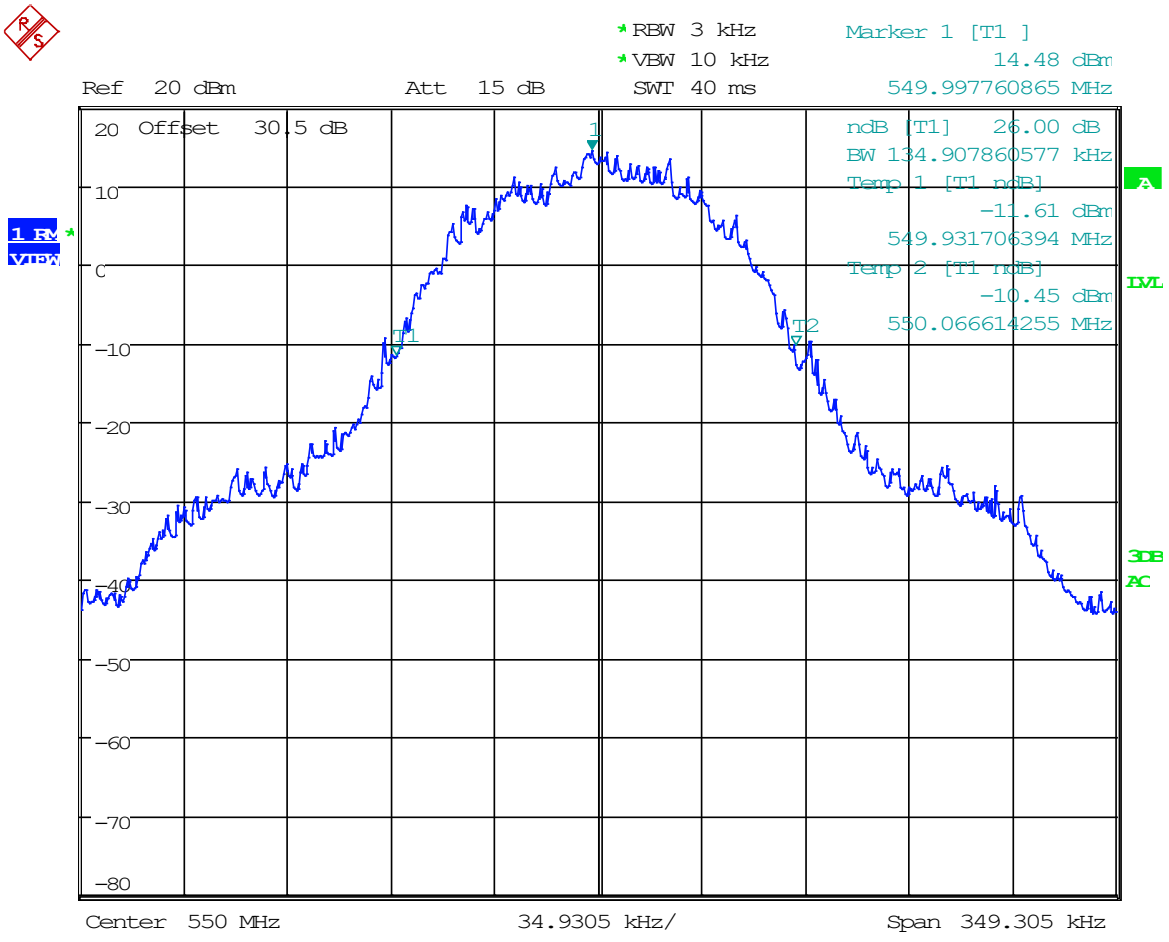
8.2.9 26dB Bandwidth Plot, 550 MHz



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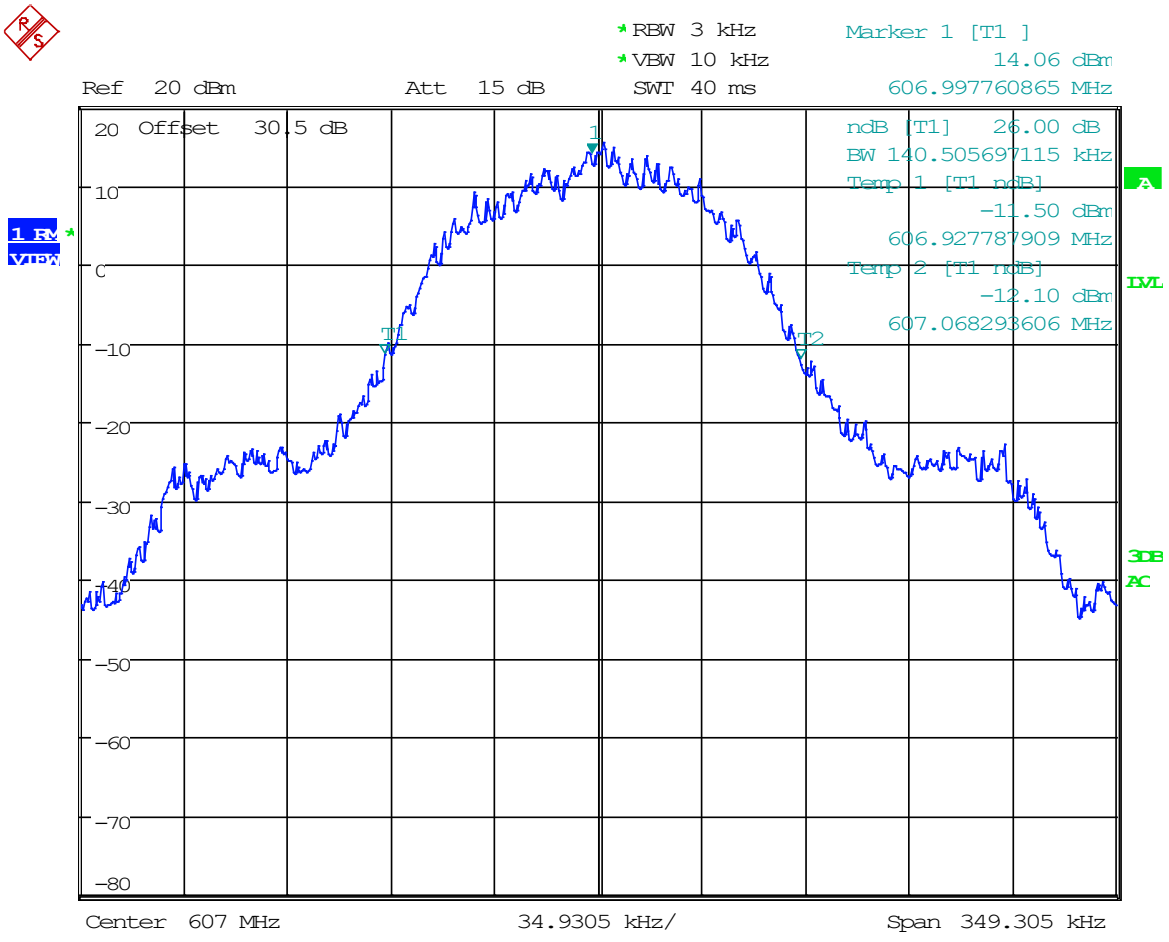
8.2.10 26dB Bandwidth Plot, 607 MHz



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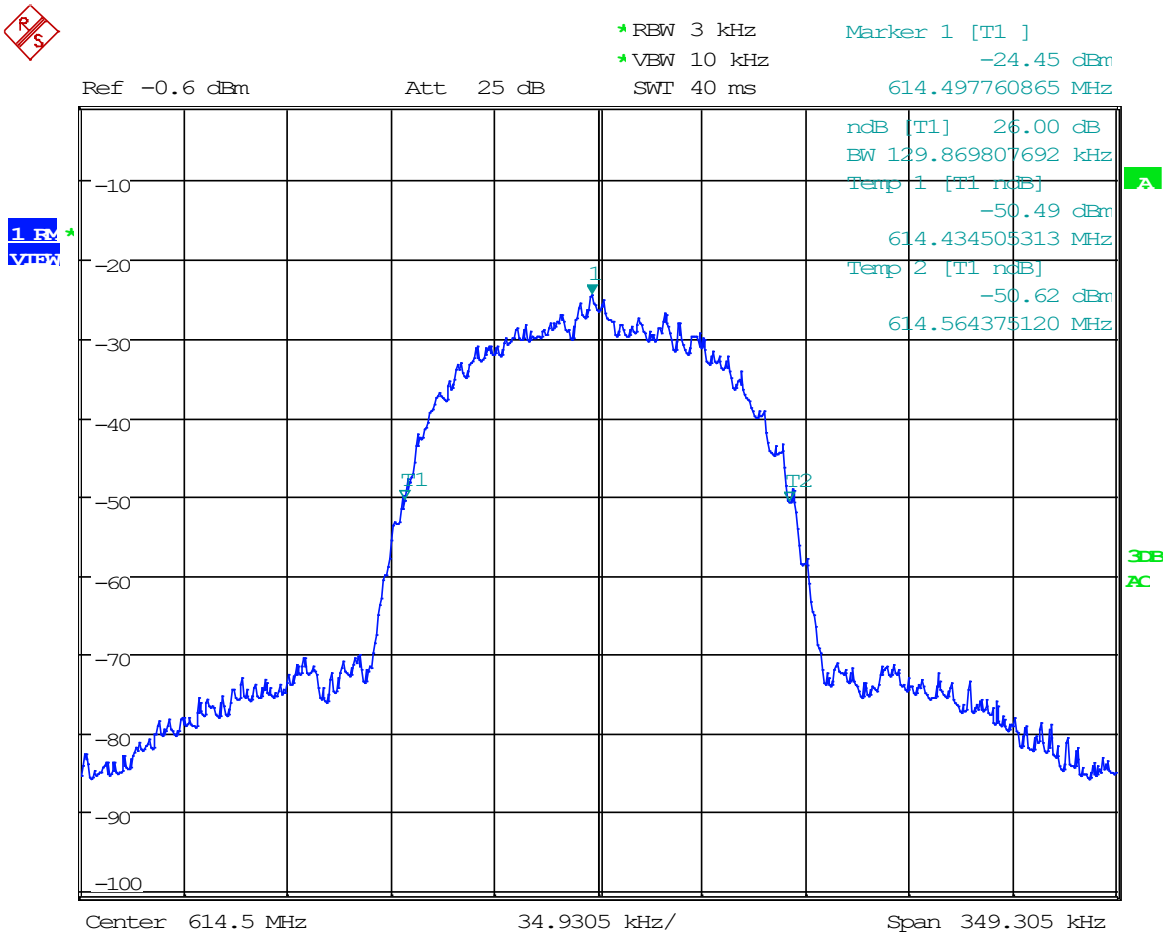
8.2.11 26dB Bandwidth Plot, 614.5 MHz



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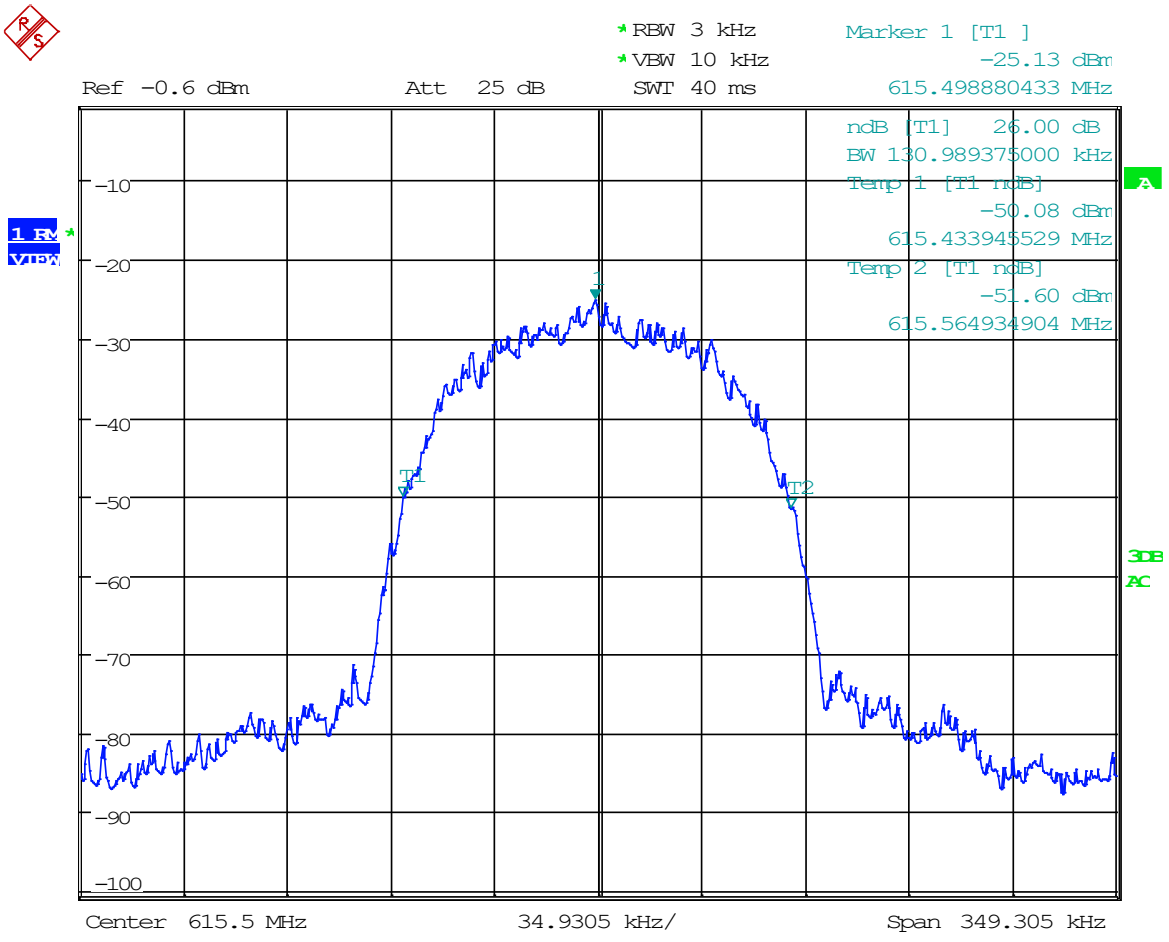
8.2.12 26dB Bandwidth Plot, 615.5 MHz



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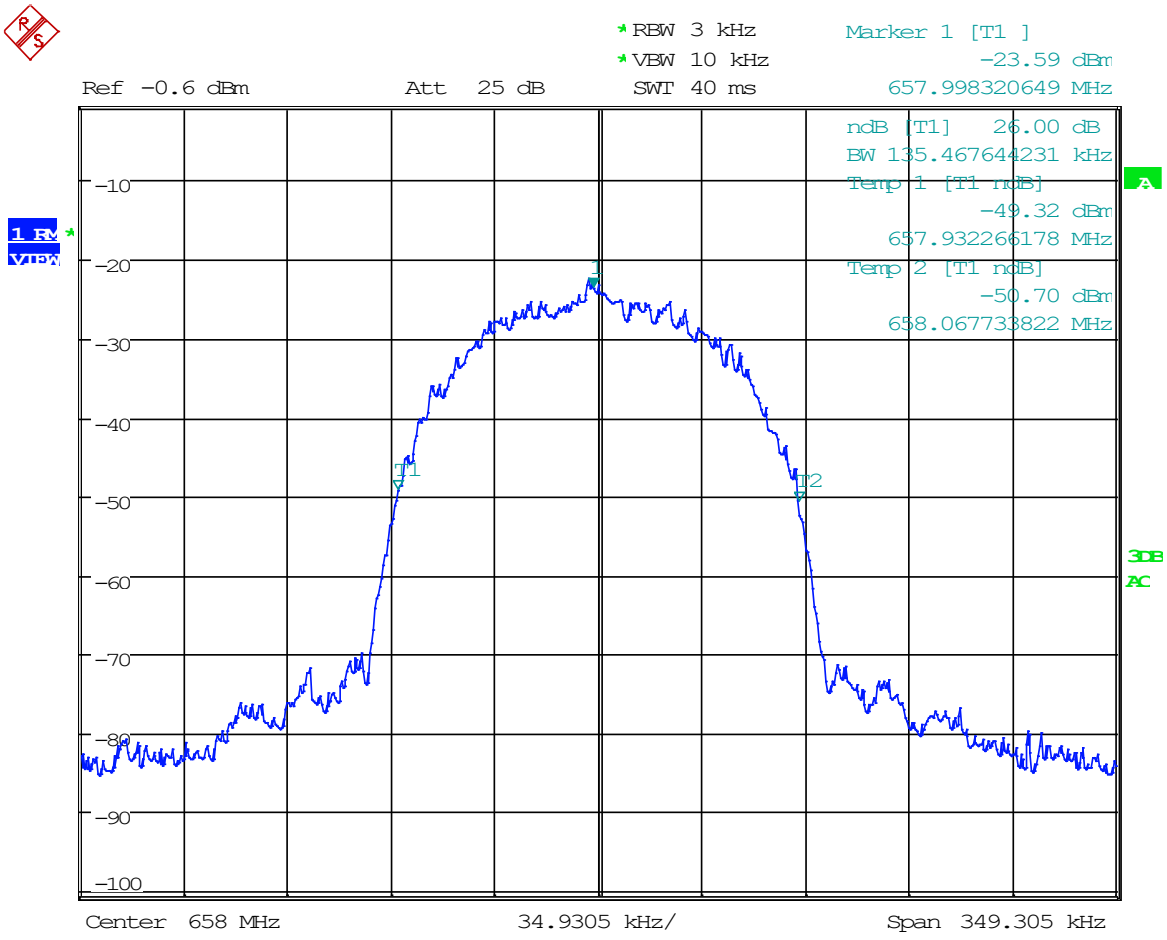
8.2.13 26dB Bandwidth Plot, 658 MHz



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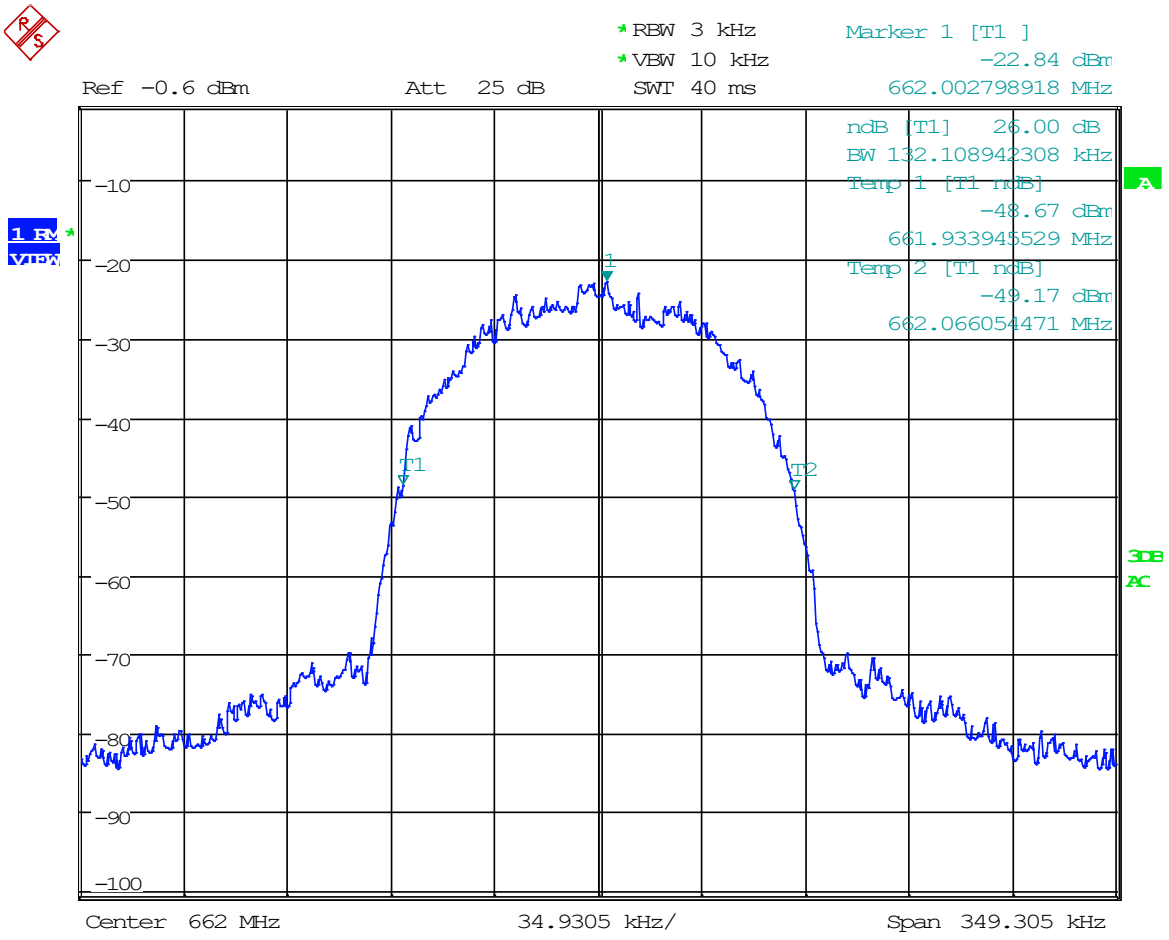
8.2.14 26dB Bandwidth Plot, 662 MHz



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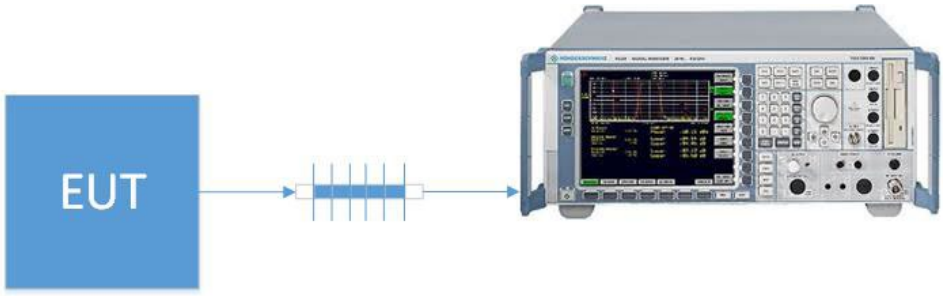
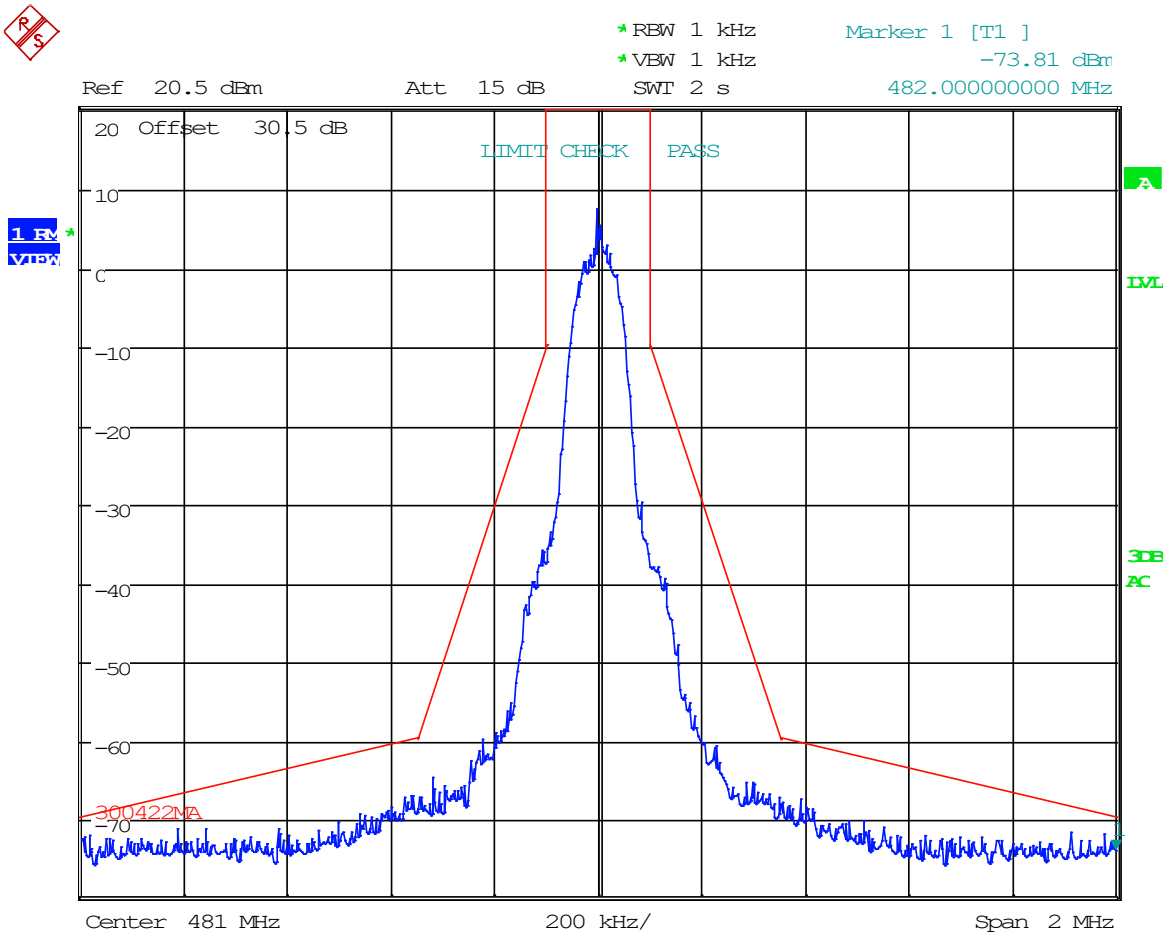
8.3 OCCUPIED BANDWIDTH (Mask)

Limits from Part FCC Part 15.236 (g) and test procedure from ANSI C63.10 and KDB 206256 D01 Wireless Microphone Certification.



8.3.1 Emission Mask Plot, 481 MHz



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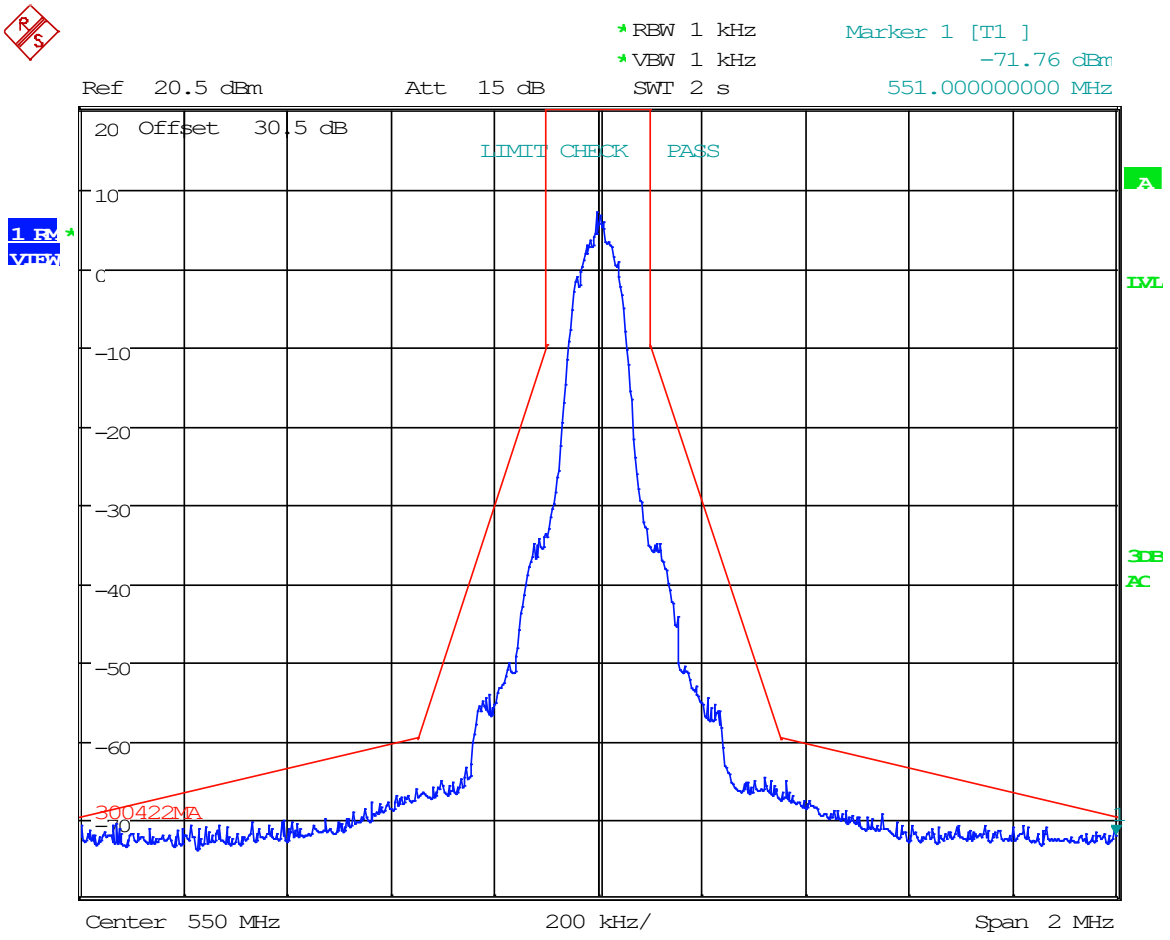
8.3.2 Emission Mask Plot, 550 MHz



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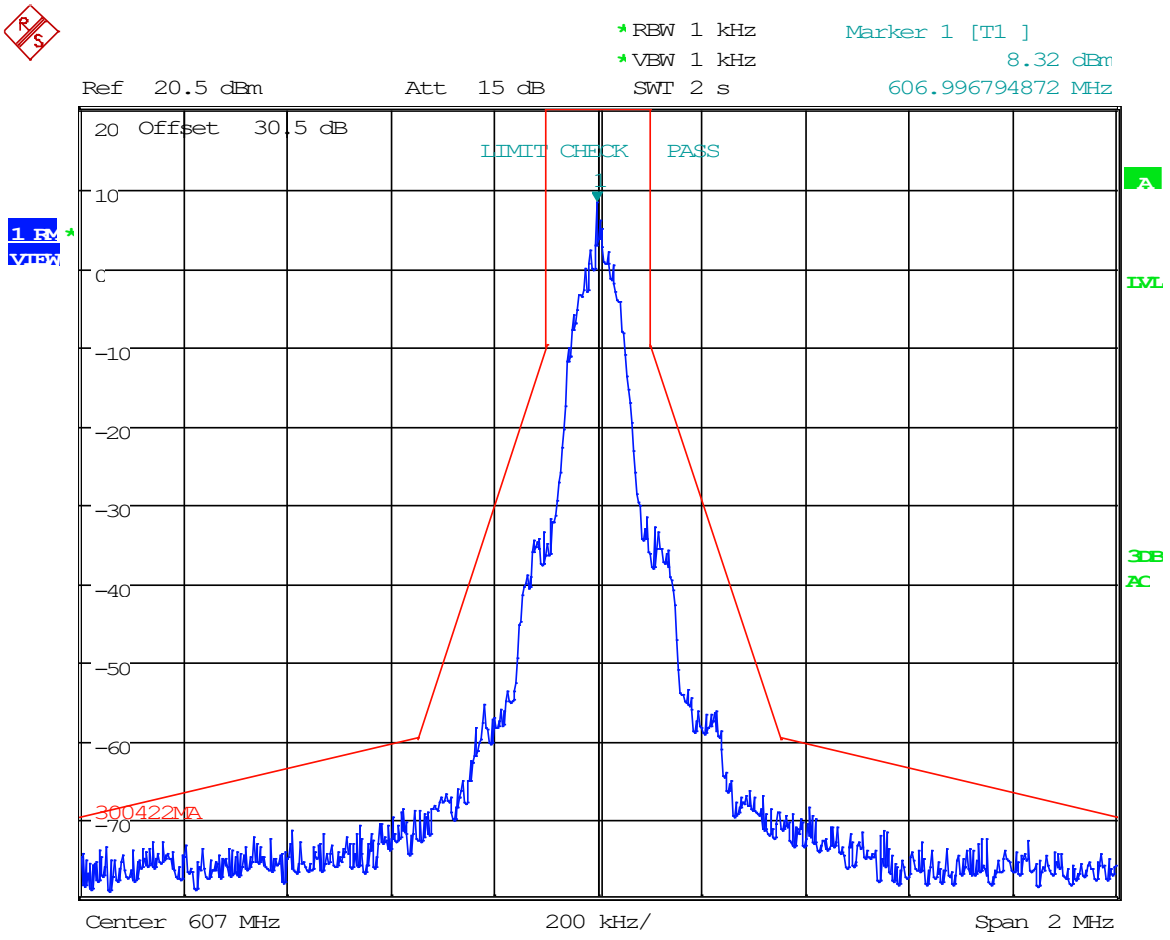
8.3.3 Emission Mask Plot, 607 MHz



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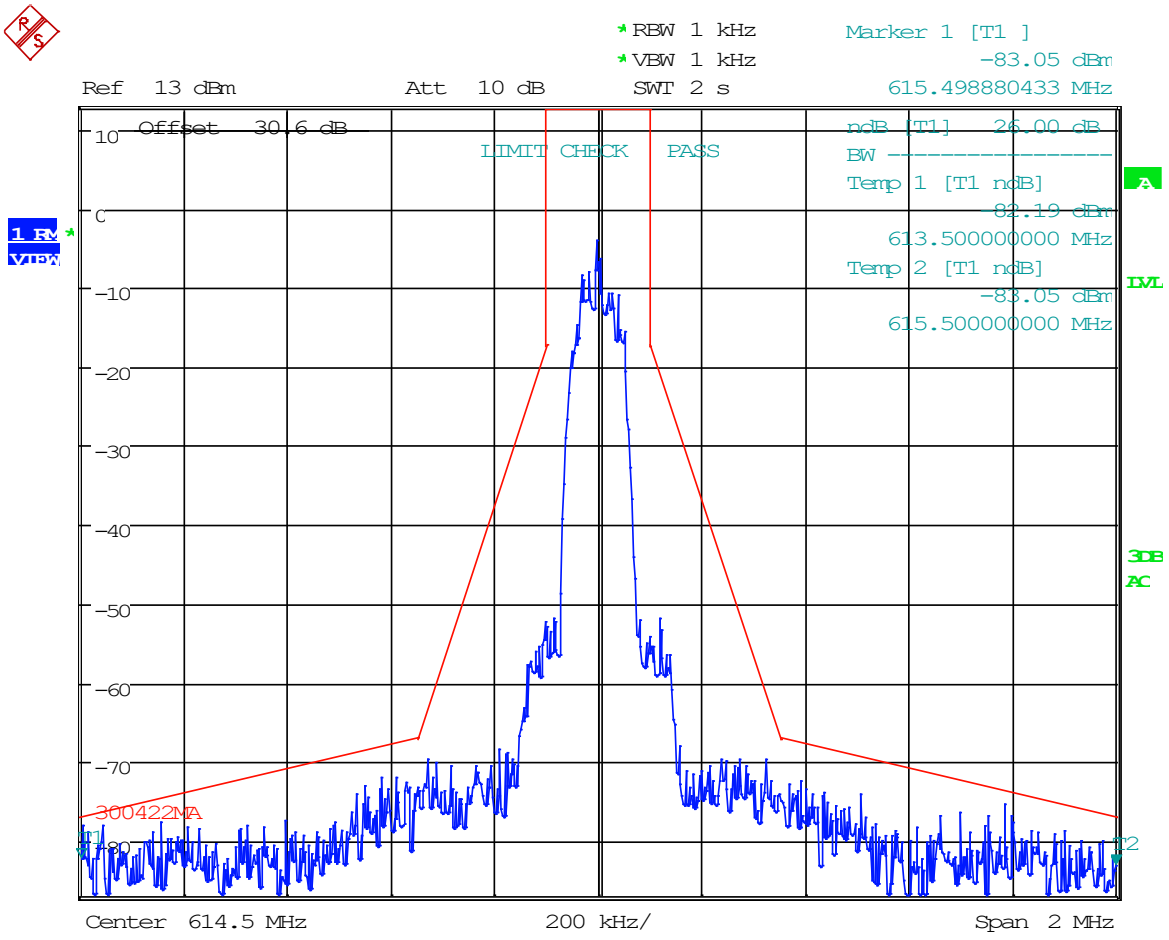
8.3.4 Emission Mask Plot, 614.5 MHz



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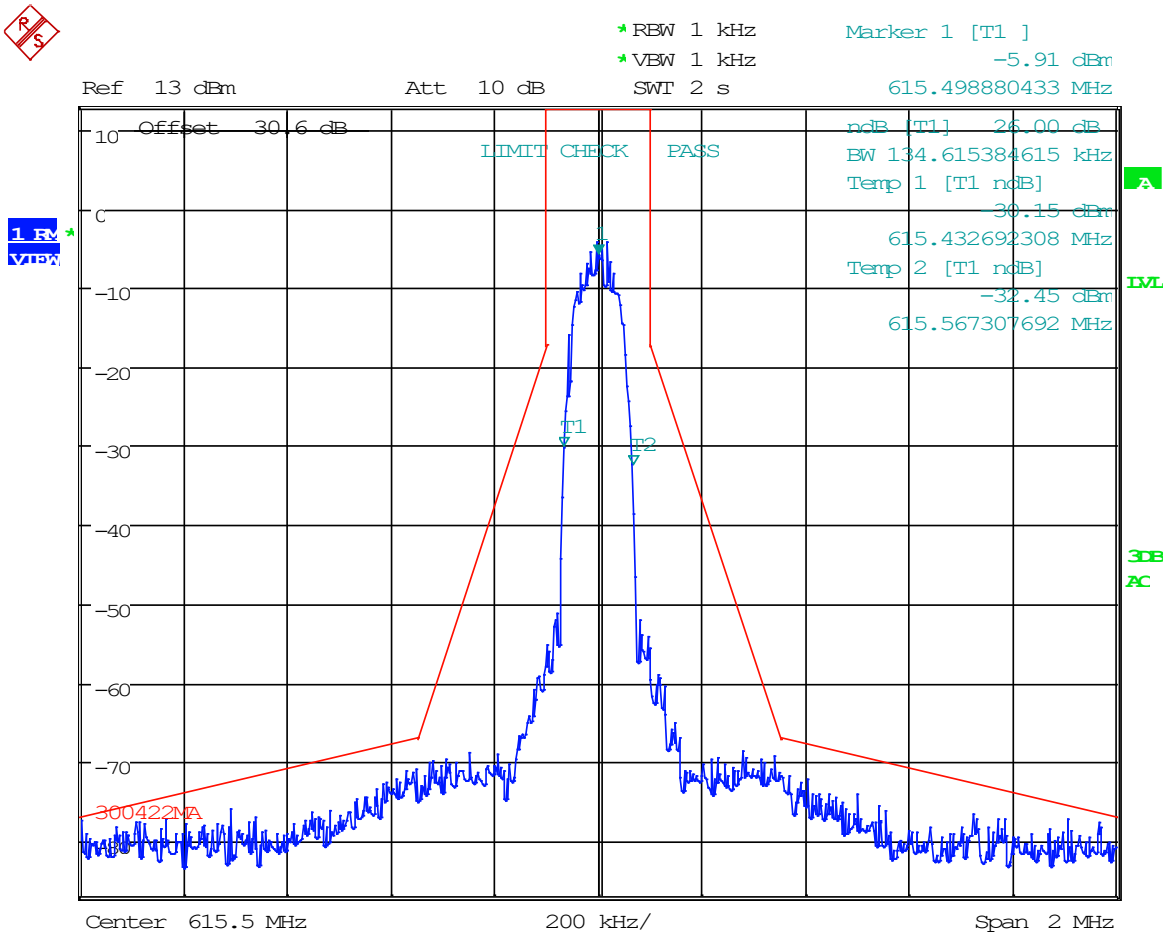
8.3.5 Emission Mask Plot, 615.5 MHz



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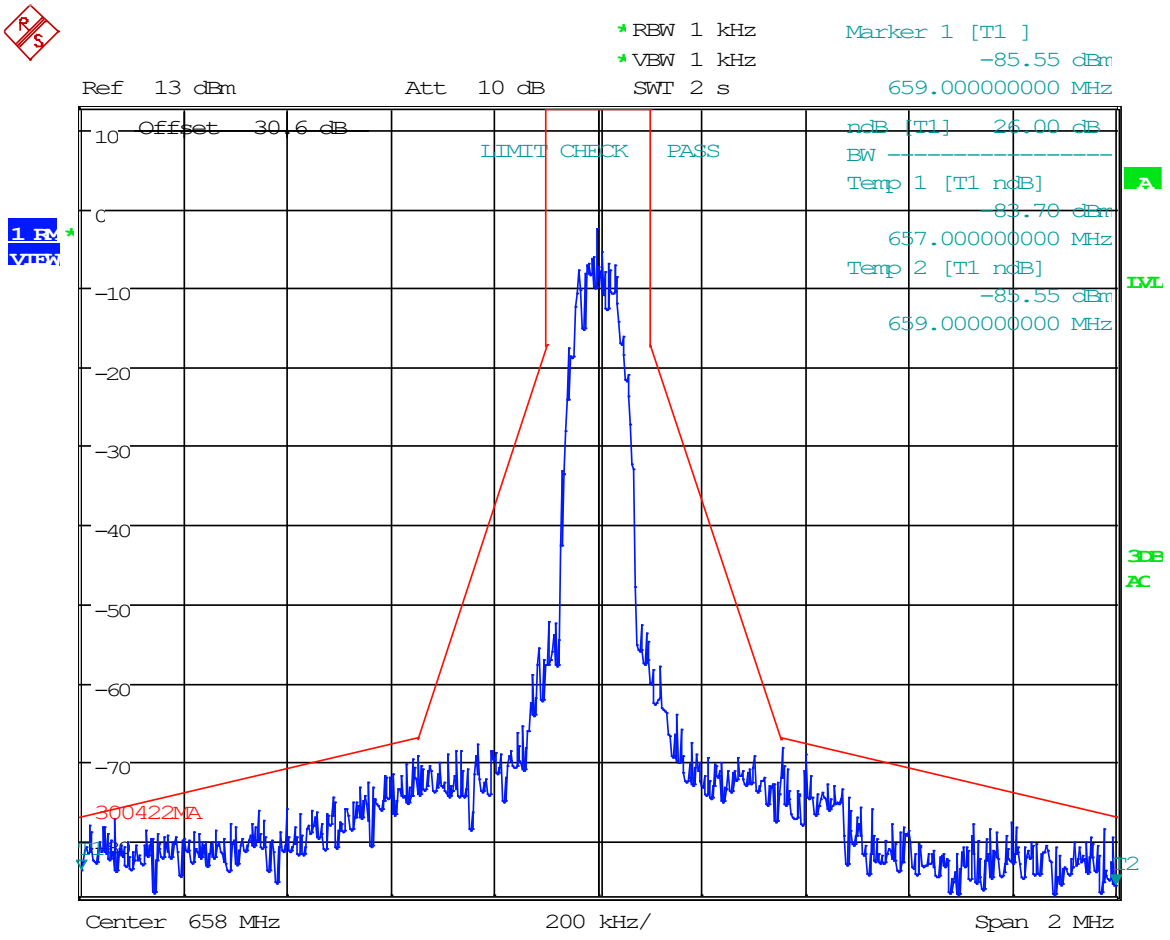
8.3.6 Emission Mask Plot, 658 MHz



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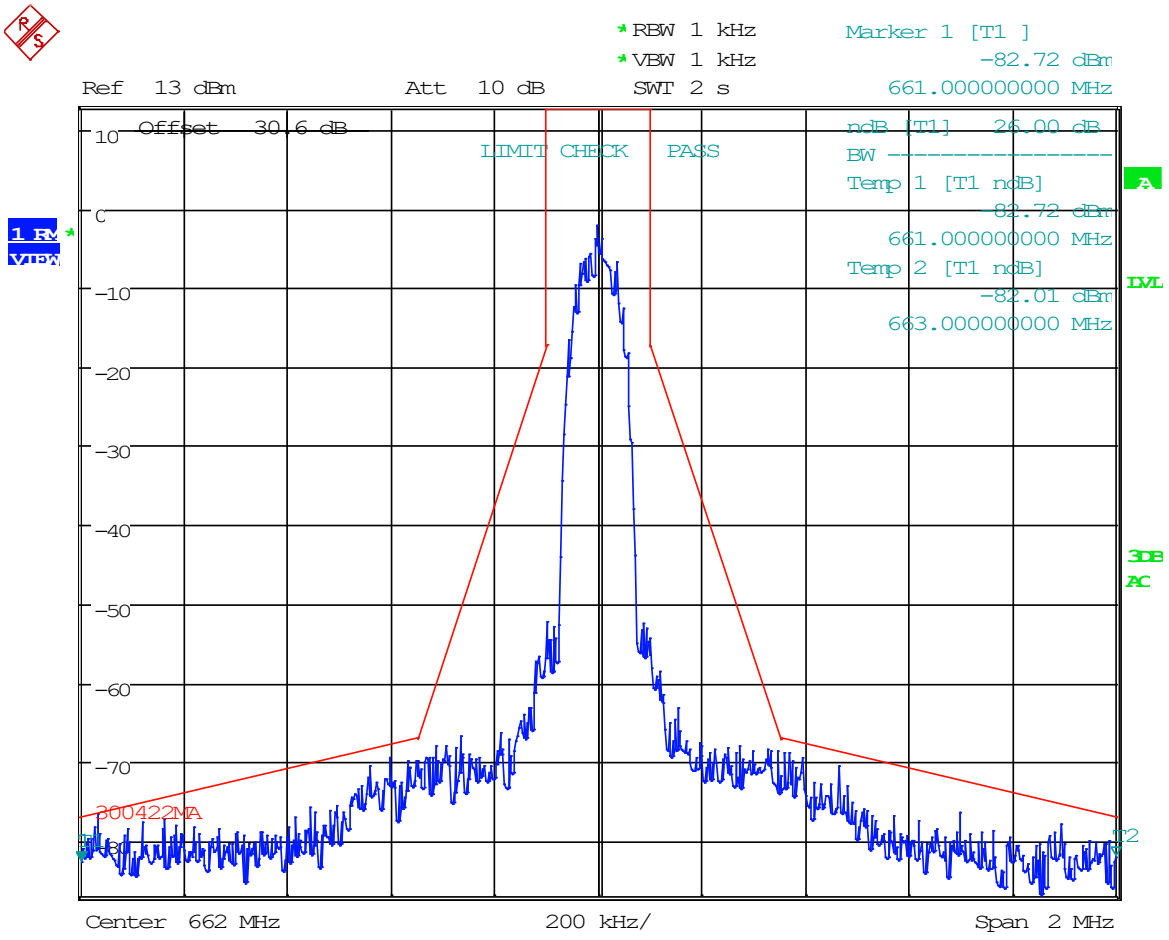
8.3.7 Emission Mask Plot, 662 MHz



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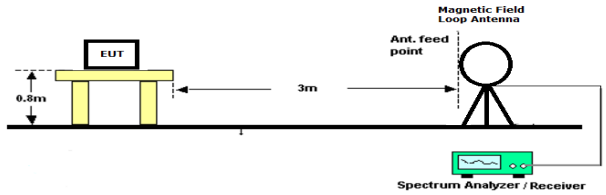
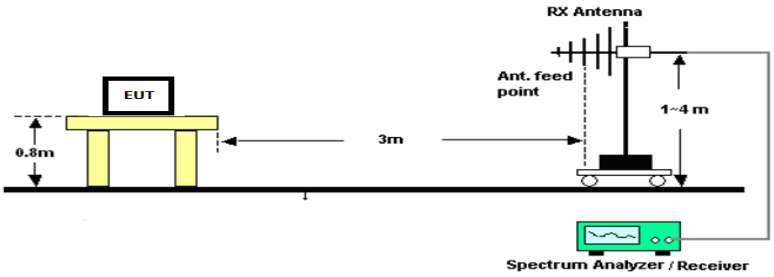
8.4 Radiated Emissions

Limits from FCC Part 15.236 (g) and test procedure from ANSI C63.10 and KDB 206256 D01 Wireless Microphone Certification.

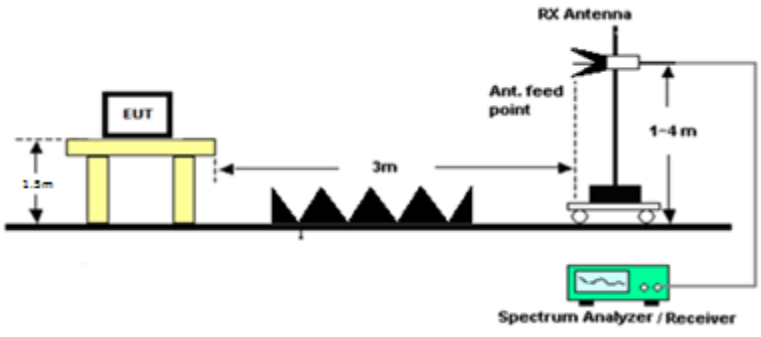
Radiated Test Setup, Below 30 MHz



Radiated Test Setup, 30 – 1000 MHz



Radiated Test Setup, Above 1000 MHz



Radiated Emissions Tabular Data

8.4.1 Radiated Emissions, 481 MHz

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBµV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)
481.00	962.00	PK	11.49	H	3.64	23.12	3.00	38.25	-59.13	-30.00	29.13
481.00	962.00	PK	17.50	V	3.64	23.12	3.00	44.26	-53.12	-30.00	23.12
481.00	1443.00	PK	12.40	H	4.34	28.13	3.00	44.87	-52.50	-30.00	22.50
481.00	1443.00	PK	12.89	V	4.34	28.13	3.00	45.36	-52.01	-30.00	22.01
481.00	1924.00	PK	13.10	H	5.10	31.14	3.00	49.34	-48.04	-30.00	18.04
481.00	1924.00	PK	11.72	V	5.10	31.14	3.00	47.96	-49.42	-30.00	19.42
481.00	2405.00	PK	11.75	H	5.61	31.88	3.00	49.24	-48.14	-30.00	18.14
481.00	2405.00	PK	12.05	V	5.61	31.88	3.00	49.54	-47.84	-30.00	17.84
481.00	2886.00	PK	11.96	H	6.22	32.24	3.00	50.41	-46.96	-30.00	16.96
481.00	2886.00	PK	12.12	V	6.22	32.24	3.00	50.57	-46.80	-30.00	16.80
481.00	3367.00	PK	16.20	H	6.73	32.64	3.00	55.57	-41.80	-30.00	11.80
481.00	3367.00	PK	10.96	V	6.73	32.64	3.00	50.33	-47.04	-30.00	17.04
481.00	3848.00	PK	11.95	H	6.58	33.20	3.00	51.73	-45.65	-30.00	15.65
481.00	3848.00	PK	10.85	V	6.58	33.20	3.00	50.63	-46.75	-30.00	16.75
481.00	4329.00	PK	10.54	H	7.49	33.53	3.00	51.55	-45.82	-30.00	15.82
481.00	4329.00	PK	12.61	V	7.49	33.53	3.00	53.62	-43.75	-30.00	13.75
481.00	4810.00	PK	11.77	H	7.11	33.93	3.00	52.82	-44.56	-30.00	14.56
481.00	4810.00	PK	12.84	V	7.11	33.93	3.00	53.89	-43.49	-30.00	13.49

8.4.2 Radiated Emissions, 550 MHz

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBµV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)
550.00	1100.00	PK	11.63	H	3.85	27.17	3.00	42.65	-54.73	-30.00	24.73
550.00	1100.00	PK	1.57	V	3.85	27.17	3.00	32.59	-64.79	-30.00	34.79
550.00	1650.00	PK	10.80	H	4.73	28.61	3.00	44.13	-53.24	-30.00	23.24
550.00	1650.00	PK	12.21	V	4.73	28.61	3.00	45.54	-51.83	-30.00	21.83
550.00	2200.00	PK	12.67	H	5.37	31.32	3.00	49.35	-48.02	-30.00	18.02
550.00	2200.00	PK	13.07	V	5.37	31.32	3.00	49.75	-47.62	-30.00	17.62
550.00	2750.00	PK	11.05	H	6.10	32.38	3.00	49.53	-47.85	-30.00	17.85
550.00	2750.00	PK	11.19	V	6.10	32.38	3.00	49.67	-47.71	-30.00	17.71
550.00	3300.00	PK	12.43	H	6.71	32.62	3.00	51.76	-45.62	-30.00	15.62
550.00	3300.00	PK	11.34	V	6.71	32.62	3.00	50.67	-46.71	-30.00	16.71
550.00	3850.00	PK	11.22	H	6.59	33.20	3.00	51.01	-46.37	-30.00	16.37
550.00	3850.00	PK	11.25	V	6.59	33.20	3.00	51.04	-46.34	-30.00	16.34
550.00	4400.00	PK	10.26	H	7.30	33.67	3.00	51.23	-46.15	-30.00	16.15
550.00	4400.00	PK	10.97	V	7.30	33.67	3.00	51.94	-45.44	-30.00	15.44
550.00	4950.00	PK	10.50	H	7.75	33.94	3.00	52.19	-45.18	-30.00	15.18
550.00	4950.00	PK	10.17	V	7.75	33.94	3.00	51.86	-45.51	-30.00	15.51
550.00	5500.00	PK	9.78	H	8.06	34.47	3.00	52.31	-45.07	-30.00	15.07
550.00	5500.00	PK	12.75	V	8.06	34.47	3.00	55.28	-42.10	-30.00	12.10

8.4.3 Radiated Emissions, 607 MHz

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBµV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)
607.00	1214.00	PK	11.85	H	4.02	28.15	3.00	44.02	-53.35	-30.00	23.35
607.00	1214.00	PK	12.76	V	4.02	28.15	3.00	44.93	-52.44	-30.00	22.44
607.00	1821.00	PK	11.46	H	4.92	30.54	3.00	46.92	-50.45	-30.00	20.45
607.00	1821.00	PK	11.44	V	4.92	30.54	3.00	46.90	-50.47	-30.00	20.47
607.00	2428.00	PK	11.41	H	5.61	31.86	3.00	48.88	-48.50	-30.00	18.50
607.00	2428.00	PK	11.68	V	5.61	31.86	3.00	49.15	-48.23	-30.00	18.23
607.00	3035.00	PK	12.69	H	6.38	32.60	3.00	51.67	-45.71	-30.00	15.71
607.00	3035.00	PK	12.93	V	6.38	32.60	3.00	51.91	-45.47	-30.00	15.47
607.00	3642.00	PK	11.48	H	6.62	33.18	3.00	51.28	-46.10	-30.00	16.10
607.00	3642.00	PK	12.06	V	6.62	33.18	3.00	51.86	-45.52	-30.00	15.52
607.00	4249.00	PK	12.56	H	7.19	33.34	3.00	53.08	-44.29	-30.00	14.29
607.00	4249.00	PK	12.59	V	7.19	33.34	3.00	53.11	-44.26	-30.00	14.26
607.00	4856.00	PK	11.14	H	7.24	33.94	3.00	52.32	-45.06	-30.00	15.06
607.00	4856.00	PK	14.30	V	7.24	33.94	3.00	55.48	-41.90	-30.00	11.90
607.00	5463.00	PK	11.14	H	8.11	34.48	3.00	53.72	-43.65	-30.00	13.65
607.00	5463.00	PK	11.51	V	8.11	34.48	3.00	54.09	-43.28	-30.00	13.28
607.00	6070.00	PK	11.07	H	8.64	35.20	3.00	54.91	-42.47	-30.00	12.47
607.00	6070.00	PK	12.85	V	8.64	35.20	3.00	56.69	-40.69	-30.00	10.69

8.4.4 Radiated Emissions, 614.5 MHz

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBµV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)
614.50	1229.00	PK	10.68	H	4.04	28.26	3.00	42.98	-54.39	-30.00	24.39
614.50	1229.00	PK	10.71	V	4.04	28.26	3.00	43.01	-54.36	-30.00	24.36
614.50	1843.50	PK	10.56	H	4.96	30.81	3.00	46.33	-51.05	-30.00	21.05
614.50	1843.50	PK	14.81	V	4.96	30.81	3.00	50.58	-46.80	-30.00	16.80
614.50	2458.00	PK	12.26	H	5.61	31.91	3.00	49.78	-47.60	-30.00	17.60
614.50	2458.00	PK	11.52	V	5.61	31.91	3.00	49.04	-48.34	-30.00	18.34
614.50	3072.50	PK	12.93	H	6.43	32.69	3.00	52.05	-45.33	-30.00	15.33
614.50	3072.50	PK	16.58	V	6.43	32.69	3.00	55.70	-41.68	-30.00	11.68
614.50	3687.00	PK	11.54	H	6.63	33.19	3.00	51.36	-46.02	-30.00	16.02
614.50	3687.00	PK	11.54	V	6.63	33.19	3.00	51.36	-46.02	-30.00	16.02
614.50	4301.50	PK	13.81	H	7.49	33.46	3.00	54.76	-42.62	-30.00	12.62
614.50	4301.50	PK	11.91	V	7.49	33.46	3.00	52.86	-44.52	-30.00	14.52
614.50	4916.00	PK	12.40	H	7.62	33.92	3.00	53.94	-43.43	-30.00	13.43
614.50	4916.00	PK	13.50	V	7.62	33.92	3.00	55.04	-42.33	-30.00	12.33
614.50	5530.50	PK	11.61	H	8.06	34.43	3.00	54.10	-43.28	-30.00	13.28
614.50	5530.50	PK	11.33	V	8.06	34.43	3.00	53.82	-43.56	-30.00	13.56
614.50	6145.00	PK	12.46	H	8.62	35.33	3.00	56.41	-40.97	-30.00	10.97
614.50	6145.00	PK	11.58	V	8.62	35.33	3.00	55.53	-41.85	-30.00	11.85

8.4.5 Radiated Emissions, 615.5 MHz

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBµV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)
615.50	1231.00	PK	10.61	H	4.05	28.28	3.00	42.93	-54.45	-30.00	24.45
615.50	1231.00	PK	12.10	V	4.05	28.28	3.00	44.42	-52.96	-30.00	22.96
615.50	1846.50	PK	11.74	H	4.97	30.84	3.00	47.55	-49.83	-30.00	19.83
615.50	1846.50	PK	14.03	V	4.97	30.84	3.00	49.84	-47.54	-30.00	17.54
615.50	2462.00	PK	11.98	H	5.61	31.94	3.00	49.54	-47.84	-30.00	17.84
615.50	2462.00	PK	12.60	V	5.61	31.94	3.00	50.16	-47.22	-30.00	17.22
615.50	3077.50	PK	12.08	H	6.43	32.70	3.00	51.22	-46.16	-30.00	16.16
615.50	3077.50	PK	16.01	V	6.43	32.70	3.00	55.15	-42.23	-30.00	12.23
615.50	3693.00	PK	11.78	H	6.61	33.19	3.00	51.58	-45.79	-30.00	15.79
615.50	3693.00	PK	10.39	V	6.61	33.19	3.00	50.19	-47.18	-30.00	17.18
615.50	4308.50	PK	11.47	H	7.53	33.48	3.00	52.48	-44.90	-30.00	14.90
615.50	4308.50	PK	9.90	V	7.53	33.48	3.00	50.91	-46.47	-30.00	16.47
615.50	4924.00	PK	11.92	H	7.68	33.93	3.00	53.53	-43.85	-30.00	13.85
615.50	4924.00	PK	12.23	V	7.68	33.93	3.00	53.84	-43.54	-30.00	13.54
615.50	5539.50	PK	11.78	H	8.06	34.42	3.00	54.25	-43.12	-30.00	13.12
615.50	5539.50	PK	11.33	V	8.06	34.42	3.00	53.80	-43.57	-30.00	13.57
615.50	6155.00	PK	12.37	H	8.63	35.34	3.00	56.34	-41.04	-30.00	11.04
615.50	6155.00	PK	11.73	V	8.63	35.34	3.00	55.70	-41.68	-30.00	11.68

8.4.6 Radiated Emissions, 658 MHz

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBµV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)
658.00	1316.00	PK	10.91	H	4.21	28.70	3.00	43.82	-53.56	-30.00	23.56
658.00	1316.00	PK	11.79	V	4.21	28.70	3.00	44.70	-52.68	-30.00	22.68
658.00	1974.00	PK	11.21	H	5.15	31.31	3.00	47.67	-49.70	-30.00	19.70
658.00	1974.00	PK	12.10	V	5.15	31.31	3.00	48.56	-48.81	-30.00	18.81
658.00	2632.00	PK	12.42	H	5.85	32.42	3.00	50.69	-46.69	-30.00	16.69
658.00	2632.00	PK	11.36	V	5.85	32.42	3.00	49.63	-47.75	-30.00	17.75
658.00	3290.00	PK	11.73	H	6.70	32.63	3.00	51.06	-46.32	-30.00	16.32
658.00	3290.00	PK	12.60	V	6.70	32.63	3.00	51.93	-45.45	-30.00	15.45
658.00	3948.00	PK	10.52	H	7.27	33.36	3.00	51.15	-46.23	-30.00	16.23
658.00	3948.00	PK	10.13	V	7.27	33.36	3.00	50.76	-46.62	-30.00	16.62
658.00	4606.00	PK	11.30	H	7.55	34.04	3.00	52.89	-44.49	-30.00	14.49
658.00	4606.00	PK	10.95	V	7.55	34.04	3.00	52.54	-44.84	-30.00	14.84
658.00	5264.00	PK	10.45	H	7.80	34.28	3.00	52.54	-44.84	-30.00	14.84
658.00	5264.00	PK	11.70	V	7.80	34.28	3.00	53.79	-43.59	-30.00	13.59
658.00	5922.00	PK	11.24	H	8.47	35.03	3.00	54.74	-42.64	-30.00	12.64
658.00	5922.00	PK	11.90	V	8.47	35.03	3.00	55.40	-41.98	-30.00	11.98
658.00	6580.00	PK	12.29	H	9.21	35.63	3.00	57.12	-40.25	-30.00	10.25
658.00	6580.00	PK	10.78	V	9.21	35.63	3.00	55.61	-41.76	-30.00	11.76

8.4.7 Radiated Emissions, 662 MHz

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBµV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)
662.00	1324.00	PK	12.14	H	4.22	28.72	3.00	45.08	-52.30	-30.00	22.30
662.00	1324.00	PK	11.37	V	4.22	28.72	3.00	44.31	-53.07	-30.00	23.07
662.00	1986.00	PK	10.29	H	5.16	31.31	3.00	46.77	-50.61	-30.00	20.61
662.00	1986.00	PK	12.29	V	5.16	31.31	3.00	48.77	-48.61	-30.00	18.61
662.00	2648.00	PK	10.98	H	5.88	32.42	3.00	49.28	-48.09	-30.00	18.09
662.00	2648.00	PK	11.67	V	5.88	32.42	3.00	49.97	-47.40	-30.00	17.40
662.00	3310.00	PK	11.26	H	6.72	32.63	3.00	50.61	-46.77	-30.00	16.77
662.00	3310.00	PK	13.40	V	6.72	32.63	3.00	52.75	-44.63	-30.00	14.63
662.00	3972.00	PK	10.15	H	7.26	33.38	3.00	50.80	-46.58	-30.00	16.58
662.00	3972.00	PK	11.26	V	7.26	33.38	3.00	51.91	-45.47	-30.00	15.47
662.00	4634.00	PK	10.14	H	7.52	33.95	3.00	51.62	-45.76	-30.00	15.76
662.00	4634.00	PK	11.78	V	7.52	33.95	3.00	53.26	-44.12	-30.00	14.12
662.00	5296.00	PK	10.46	H	7.89	34.28	3.00	52.63	-44.75	-30.00	14.75
662.00	5296.00	PK	9.98	V	7.89	34.28	3.00	52.15	-45.23	-30.00	15.23
662.00	5958.00	PK	10.56	H	8.55	35.06	3.00	54.16	-43.22	-30.00	13.22
662.00	5958.00	PK	11.16	V	8.55	35.06	3.00	54.76	-42.62	-30.00	12.62
662.00	6620.00	PK	11.02	H	9.18	35.66	3.00	55.85	-41.52	-30.00	11.52
662.00	6620.00	PK	10.30	V	9.18	35.66	3.00	55.13	-42.24	-30.00	12.24

9. ANNEX-A - Photographs of the EUT

Photographs of the EUT and any manufacturer supplied accessories to be used with the EUT are in a separate document.

10. ANNEX-B – Test Setup Photographs

Test setup photographs are located in a separate document.

11. History of Test Report Changes

Test Report #	Revision #	Description	Date of Issue
TR_2670-22_FCC 15.236_	1	Initial release	7/5/2022

END OF TEST REPORT