



MRT Technology (Taiwan) Co., Ltd
Phone: +886-3-3288388
Fax: +886-3-3288918
Web: www.mrt-cert.com

Report No.: 2407TWU101-U2
Report Version: 1.0
Issue Date: 2025-05-13

RF MEASUREMENT REPORT

FCC ID: INGAH-1
Applicant: JTS PROFESSIONAL CO., LTD.
Application Type: Certification
Product: Plug-on Transmitter
Model No.: AH-1
Brand Name: JTS
Trademark: 
FCC Classification: Part 15 Wireless Microphone (DWM)
FCC Rule Part(s): Part 15 Subpart C (Section 15.236)
Test Procedure(s): ANSI C63.10-2013
Received Date: July 10, 2024
Test Date: January 1, 2025~March 5, 2025

Tested By : 
(Kaunaz Lee)
Reviewed By : 
(Paddy Chen)
Approved By : 
(Chenz Ker)



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standards through the calibration of the equipment and evaluated measurement uncertainty herein.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Taiwan) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2407TWU101-U2	1.0	Original Report	2025-05-13	

CONTENTS

Description	Page
CONTENTS	3
1. General Information	5
2. INTRODUCTION.....	6
2.1. Scope	6
2.2. MRT Test Location	6
3. PRODUCT INFORMATION	7
3.1 Product Information	7
3.2 Radio Specification under Test.....	7
3.3 Working Frequencies	7
4. Test Configuration	8
4.1. Test Mode	8
4.2. Test Software	8
4.3. Applied Standards.....	8
4.4. Test Environment Condition.....	8
5. Measuring Instrument	9
6. Decision Rules and Measurement Uncertainty.....	10
6.1. Decision Rules	10
6.2. Measurement Uncertainty	10
7. Test Result	11
7.1. Summary	11
7.2. 99% Occupied Bandwidth Measurement.....	12
7.2.1. Test Limit	12
7.2.2. Test Procedure	12
7.2.3. Test Setting	12
7.2.4. Test Setup	12
7.2.5. Test Result	13
7.3. Frequency Tolerance Measurement	15
7.3.1. Test Limit	15
7.3.2. Test Procedure	15
7.3.3. Test Setting	15
7.3.4. Test Setup	16
7.3.5. Test Result	17
7.4. Necessary Bandwidth Measurement	18

7.4.1.	Test Limit	18
7.4.2.	Test Procedure	18
7.4.3.	Test Setting	18
7.4.4.	Test Setup	18
7.4.5.	Test Result	19
7.5.	Output Power Measurement	22
7.5.1.	Test Limit	22
7.5.2.	Test Procedure	22
7.5.3.	Test Setting	22
7.5.4.	Test Setup	23
7.5.5.	Test Result	24
7.6.	Radiated Spurious Emission Measurement.....	30
7.6.1.	Test Limit	30
7.6.2.	Test Procedure	30
7.6.3.	Test Setting	30
7.6.4.	Test Setup	31
7.6.5.	Test Result	33
7.7.	AC Conducted Emissions Measurement	57
7.7.1.	Test Limit	57
7.7.2.	Test Setup	57
7.7.3.	Test Result	58
Appendix A - Test Setup Photograph		59
Appendix B : External Photograph		59
Appendix C : Internal Photograph		59

1. General Information

Applicant	JTS PROFESSIONAL CO., LTD.
Applicant Address	No. 148, Gongye 9th Rd., Dali Dist., Taichung City 412037, Taiwan
Manufacturer	JTS PROFESSIONAL CO., LTD.
Manufacturer Address	No. 148, Gongye 9th Rd., Dali Dist., Taichung City 412037, Taiwan
Test Site	MRT Technology (Taiwan) Co., Ltd
Test Site Address	No. 38, Fuxing Second Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C)
MRT FCC Registration No.	291082
FCC Rule Part(s)	Part 15.236
Test Device Serial No.	#1-1 ☐ Production ☒ Pre-Production ☐ Engineering

Test Facility / Accreditations

1. MRT facility is a FCC registered (Reg. No. 291082) test facility with the site description report on file and is designated by the FCC as an Accredited Test Firm.
2. MRT facility is an IC registered (MRT Reg. No. 21723) test laboratory with the site description on file at Industry Canada.
3. MRT Lab is accredited to ISO 17025 by the Taiwan Accreditation Foundation (TAF Cert. No. 3261) in EMC, Telecommunications and Radio testing for FCC (Designation Number: TW3261), Industry Canada, EU and TELEC Rules.

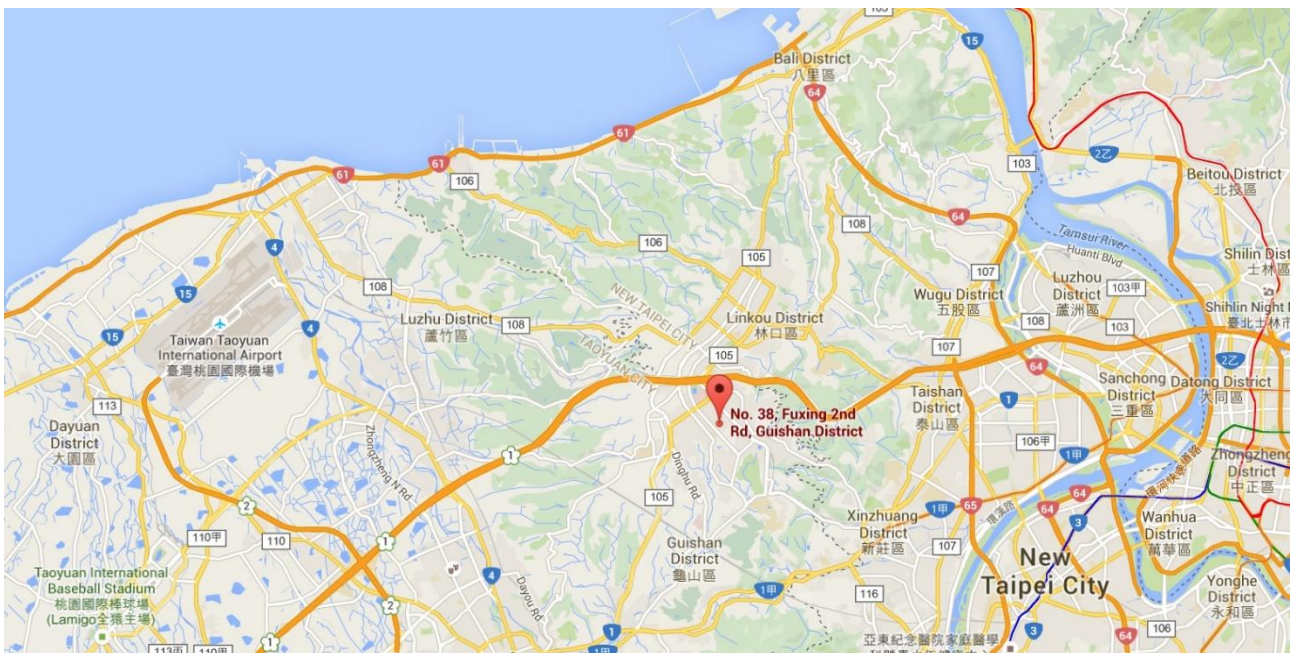
2. INTRODUCTION

2.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Industry Canada Certification and Engineering Bureau.

2.2. MRT Test Location

The map below shows the location of the MRT LABORATORY, its proximity to the Taoyuan City. These measurement tests were conducted at the MRT Technology (Taiwan) Co., Ltd. Facility located at No.38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 33377, Taiwan (R.O.C).



3. PRODUCT INFORMATION

3.1 Product Information

Product Name	Plug-on Transmitter
Model No.	AH-1
Brand Name	JTS
Trademark	

3.2 Radio Specification under Test

Frequency Range	470 ~ 608 MHz
Declared Power Level	10mW
Type of Modulation	FM
Channel Spacing	125kHz
Antenna Type	PCB Antenna
Antenna Gain	-13.63dBi

Note 1: For other features of this EUT, test report will be issued separately.

Note 2: Power level and transmit frequency can be selected using the front panel controls.

3.3 Working Frequencies

Bottom Channel (MHz)	Middle Channel (MHz)	Top Channel (MHz)
470 - 608 MHz Band		
470.125	539.000	607.875

4. Test Configuration

4.1. Test Mode

Mode 1: Transmit by UHF

4.2. Test Software

The test utility software used during testing was “Engineering Mode”, and the version was V, all test commands were provided by the manufacturer.

4.3. Applied Standards

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

- FCC Part 15.236
- KDB 206256 D01v02r01
- ANSI C63.10-2013
- ETSI EN 300 422 - 1 V 1.4.2

4.4. Test Environment Condition

Ambient Temperature	15 ~ 35°C
Relative Humidity	20 ~ 75%RH

5. Measuring Instrument

Radiated Emissions – AC1

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00086	1 year	2025/11/5
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2026/3/4
Active Loop Antenna	Schwarzbeck	FMZB 1519B	MRTTWA00002	1 year	2025/5/7
Broadband Horn antenna	SCHWARZBECK	BBHA 9120D	MRTTWA00003	1 year	2026/2/11
Breitband Hornantenna	Schwarzbeck	BBHA 9170	MRTTWA00004	1 year	2025/3/26
Broadband Amplifier	Schwarzbeck	BBV 9721	MRTTWA00006	1 year	2025/3/21
Broadband Preamplifier	SCHWARZBECK	BBV 9718	MRTTWA00005	1 year	2026/2/11
Cable	HUBERSUHNER	SF106	MRTTWE00010	1 year	2025/6/14
Cable	Rosnol	K1K50-UP0264- K1K50-4M	MRTTWE00012	1 year	2025/6/14

Conducted Test Equipment – SR6

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2025/9/24
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00074	1 year	2025/8/12
USB Wideband Power Sensor	KEYSIGHT	U2021XA	MRTTWA00015	1 year	2025/4/12

Test Software

Software	Version	Function
e3	9.160520a	EMI Test Software
EMI	V3	EMI Test Software

6. Decision Rules and Measurement Uncertainty

6.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2.

(Measurement uncertainty is not taken into account when stating conformity with a specified requirement.

6.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Conducted Emission- Power Line
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 0.15MHz~30MHz: $\pm 2.53\text{dB}$
Conducted Measurement
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 1.3\text{dB}$
Radiated Spurious Emission
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 9kHz~30MHz: $\pm 3.92\text{dB}$ 30MHz~1GHz: $\pm 4.25\text{dB}$ 1GHz~18GHz: $\pm 4.40\text{dB}$ 18GHz~40GHz: $\pm 4.45\text{dB}$

7. Test Result

7.1. Summary

FCC Part Section(s)	Test Description	Test Limit	Test Condition	Test Result
15.236(f)(2)	Occupied Bandwidth	< 200kHz	Conducted	Pass
15.236(f)(3)	Frequency Tolerance	$\pm 0.005\%$		Pass
15.236(g)	Necessary Bandwidth	Refer to clause 6.4.1		Pass
15.236(d)(1)	RF Output Power	Refer to clause 6.5.1		Pass
15.236(g)	Radiated Spurious Emission	Refer to clause 6.6.1	Radiated	Pass
15.207	AC Conducted Emissions 150kHz - 30MHz	< FCC 15.207 limits	Line Conducted	N/A

Notes:

- 1) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
- 2) All modes of operation and data rates were investigated. For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst case emissions.
- 3) For STD mode, besides necessary bandwidth test item was assessed three power level, any others test items were only assessed max power level.
- 4) The EUT Power by Battery, so do not need to test Conducted Emissions.

7.2. 99% Occupied Bandwidth Measurement

7.2.1. Test Limit

The operating bandwidth shall not exceed 200 kHz.

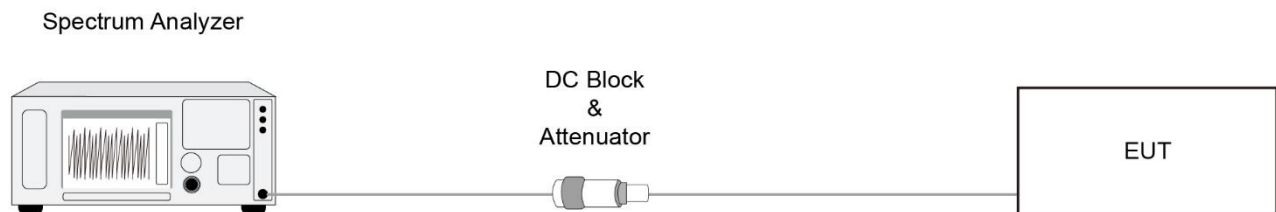
7.2.2. Test Procedure

ANSI C63.10-2013 - Section 6.9.3

7.2.3. Test Setting

1. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
2. Set RBW $\geq$ 1% to 5% of the OBW
3. VBW = Approximately three times RBW
4. Detector = Peak
5. Trace mode = Max hold
6. Sweep = Auto couple
7. Allow the trace to stabilize
8. Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

7.2.4. Test Setup



7.2.5. Test Result

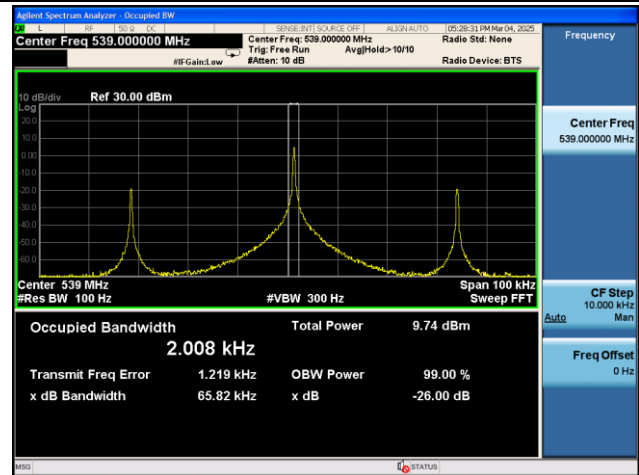
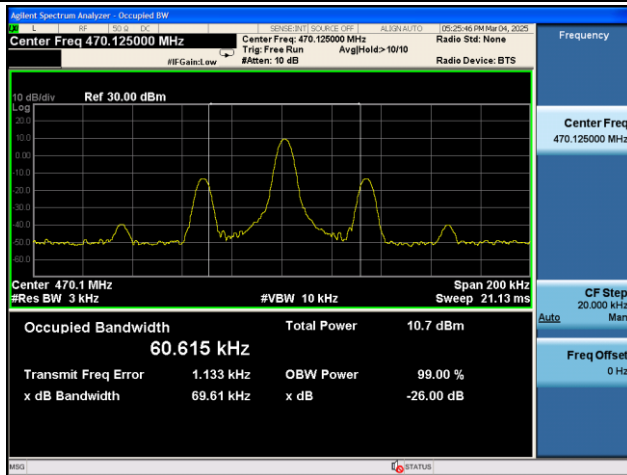
Test Site	SR6	Test Engineer	Fran
Test Date	2025/3/4		

Mode	Frequency (MHz)	99% Bandwidth (kHz)	Limit (kHz)	Result
TX	470.125	60.615	< 200	Pass
	539.000	2.008	< 200	Pass
	607.875	2.620	< 200	Pass

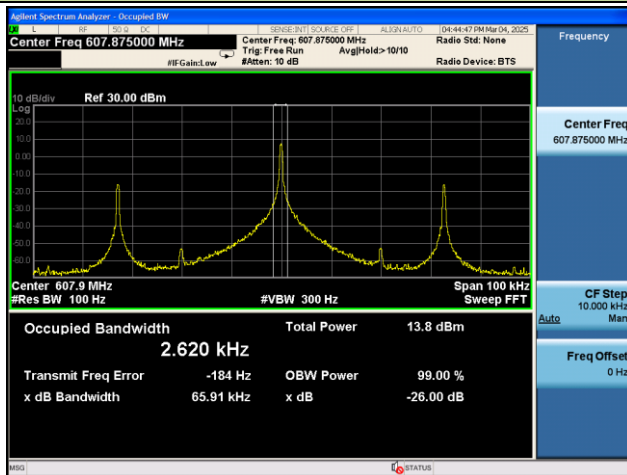
99% Occupied Bandwidth

470.125 MHz

539.000MHz



607.875MHz



7.3. Frequency Tolerance Measurement

7.3.1. Test Limit

The frequency tolerance of the carrier signal shall be maintained within $\pm 0.005\%$ of the operating frequency over a temperature variation of -20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. Battery operated equipment shall be tested using a new battery.

7.3.2. Test Procedure

ANSI C63.10-2013 - Section 6.8

7.3.3. Test Setting

The EUT was programmed to transmit with an unmodulated carrier.

Frequency Stability Under Temperature Variations:

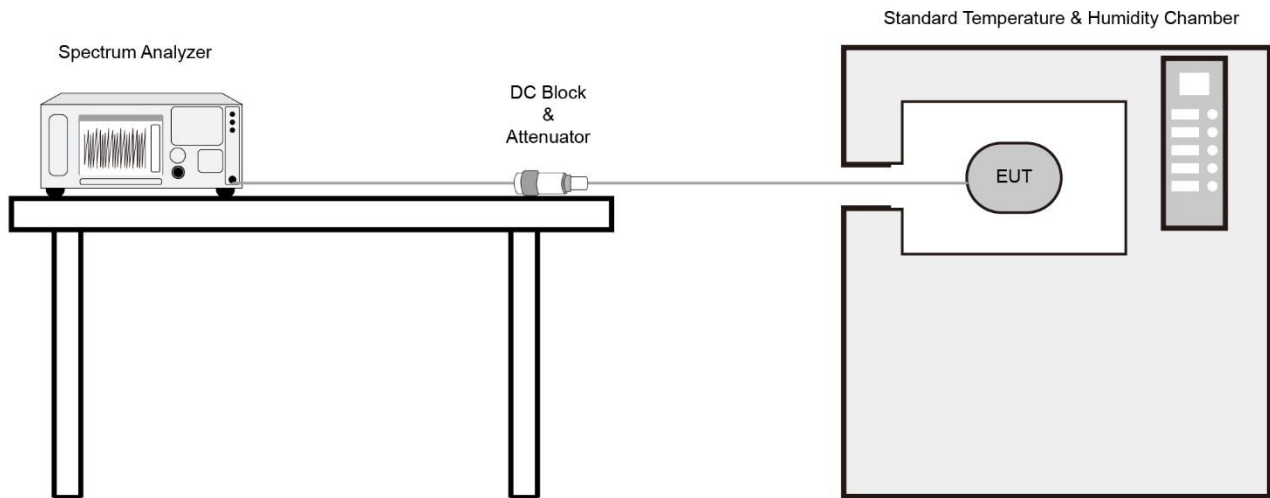
The equipment under test was connected to an external DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. While maintaining a constant temperature inside the environmental chamber, turn the EUT on and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

7.3.4. Test Setup



7.3.5. Test Result

Test Site	SR3	Test Engineer	Fran
Test Date	2025/3/5	Test Mode	470.125MHz

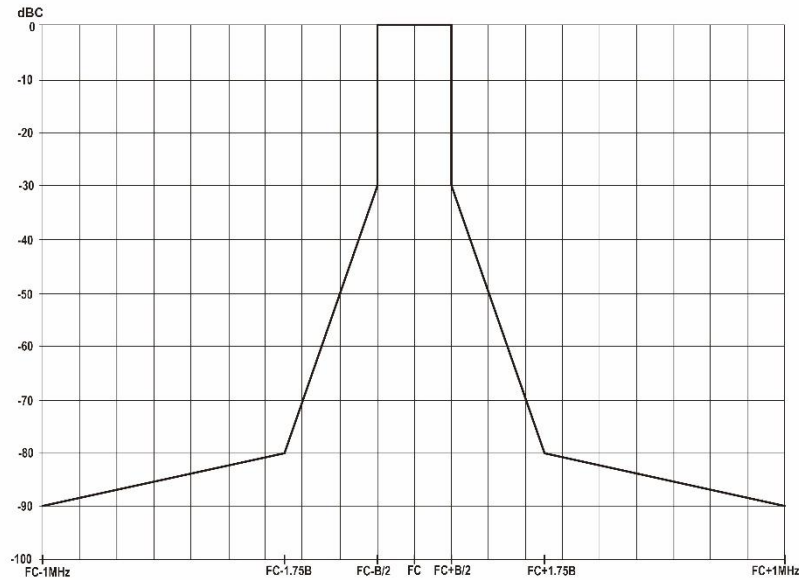
Voltage (%)	Power (VDC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	DC 3V	-20	2.98	2.98	2.98	2.98
		-10	2.98	2.98	2.98	2.98
		0	2.98	2.77	2.98	2.77
		+10	2.77	2.77	2.77	2.77
		+20	2.77	2.77	2.77	2.77
		+30	2.77	2.77	2.77	2.77
		+40	2.77	2.77	2.77	2.77
115%	DC 3.45V	+50	2.77	2.77	2.77	2.77
85%	DC 2.55V	+20	2.77	2.77	2.77	2.77

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} *10⁶.

7.4. Necessary Bandwidth Measurement

7.4.1. Test Limit

According to EN 300 422-1 V1.4.2 clause 8.3.2.2, the transmitter output spectrum shall be within the mask defined as below figure.



7.4.2. Test Procedure

ETSI EN 300 422-1 V1.4.2 clause 8.3.2.1.

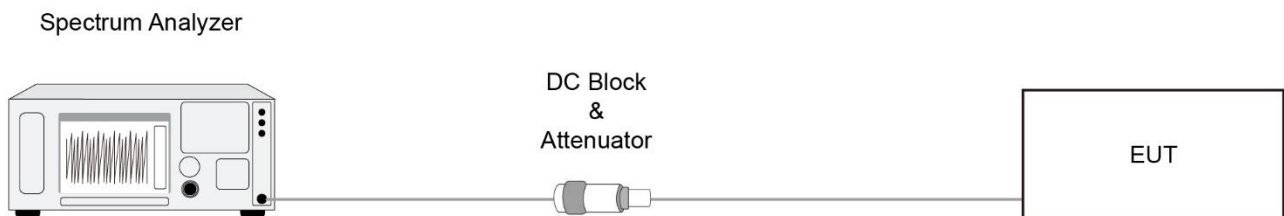
7.4.3. Test Setting

The EUT was powered up and the transmit frequency & power output of the EUT were selected.

The spectrum analyzer center frequency is set to the nominal EUT channel center frequency.

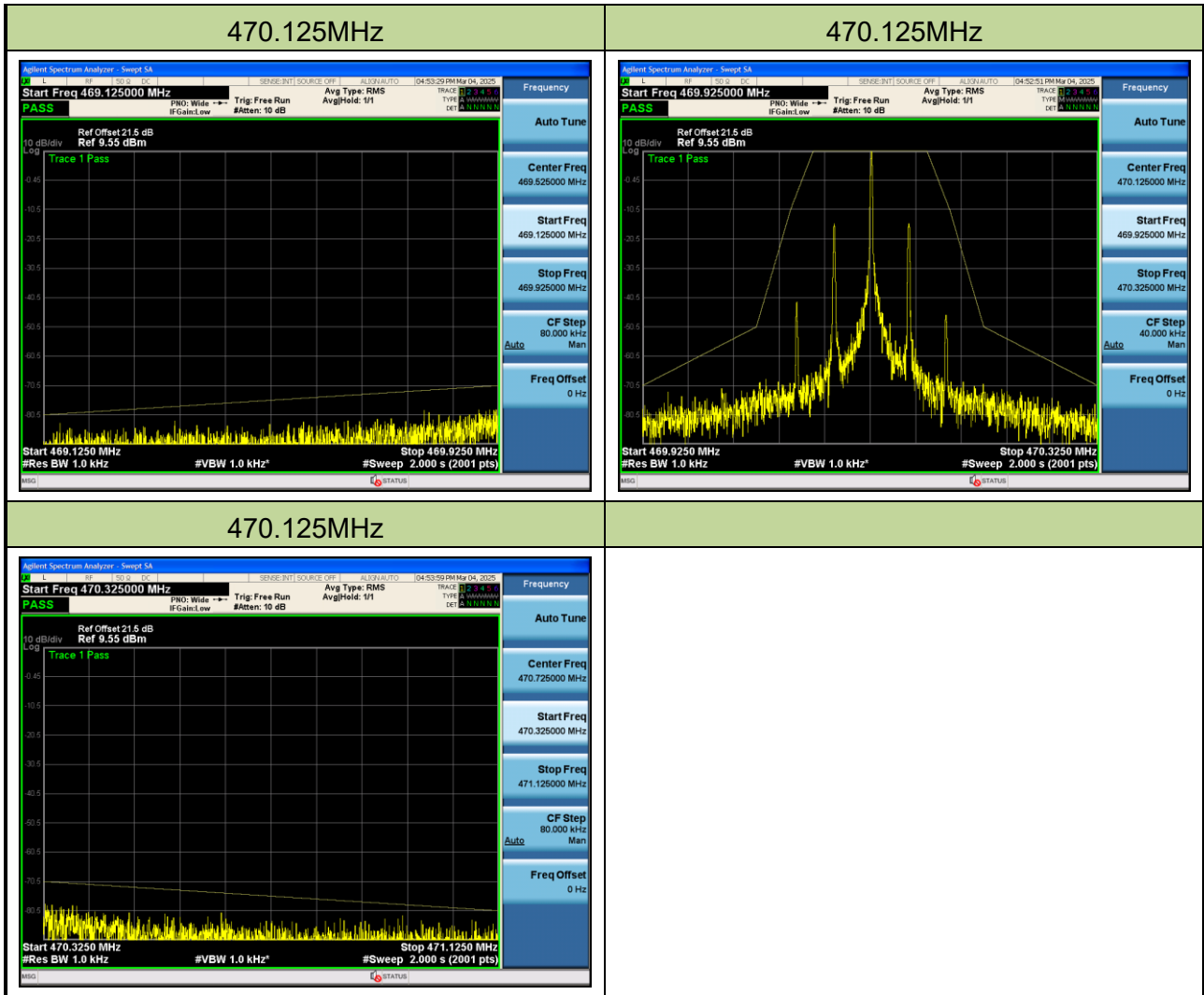
Only bottom and top channel is required, at an output power level of 2mW & 10mW & 35mW.

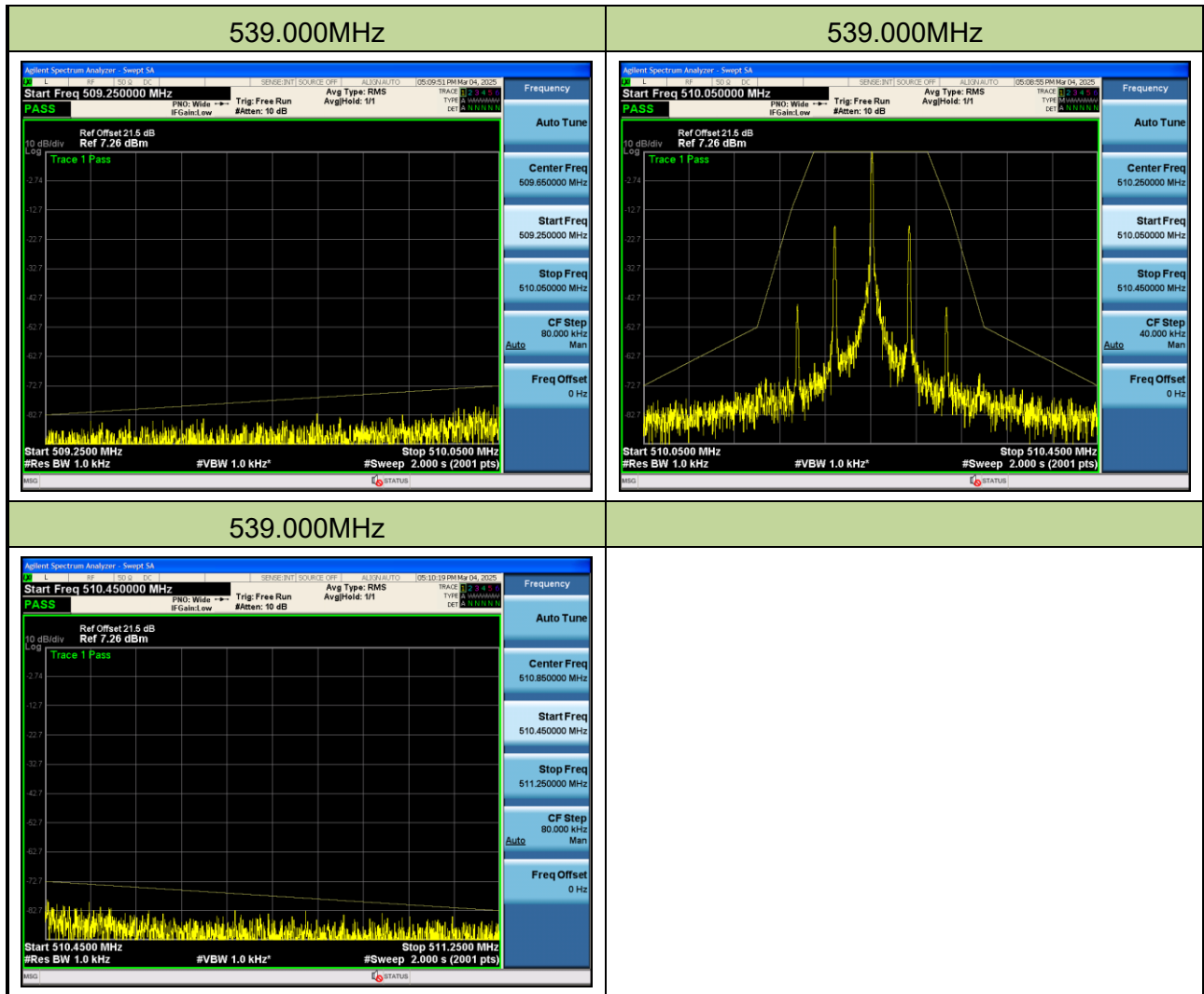
7.4.4. Test Setup

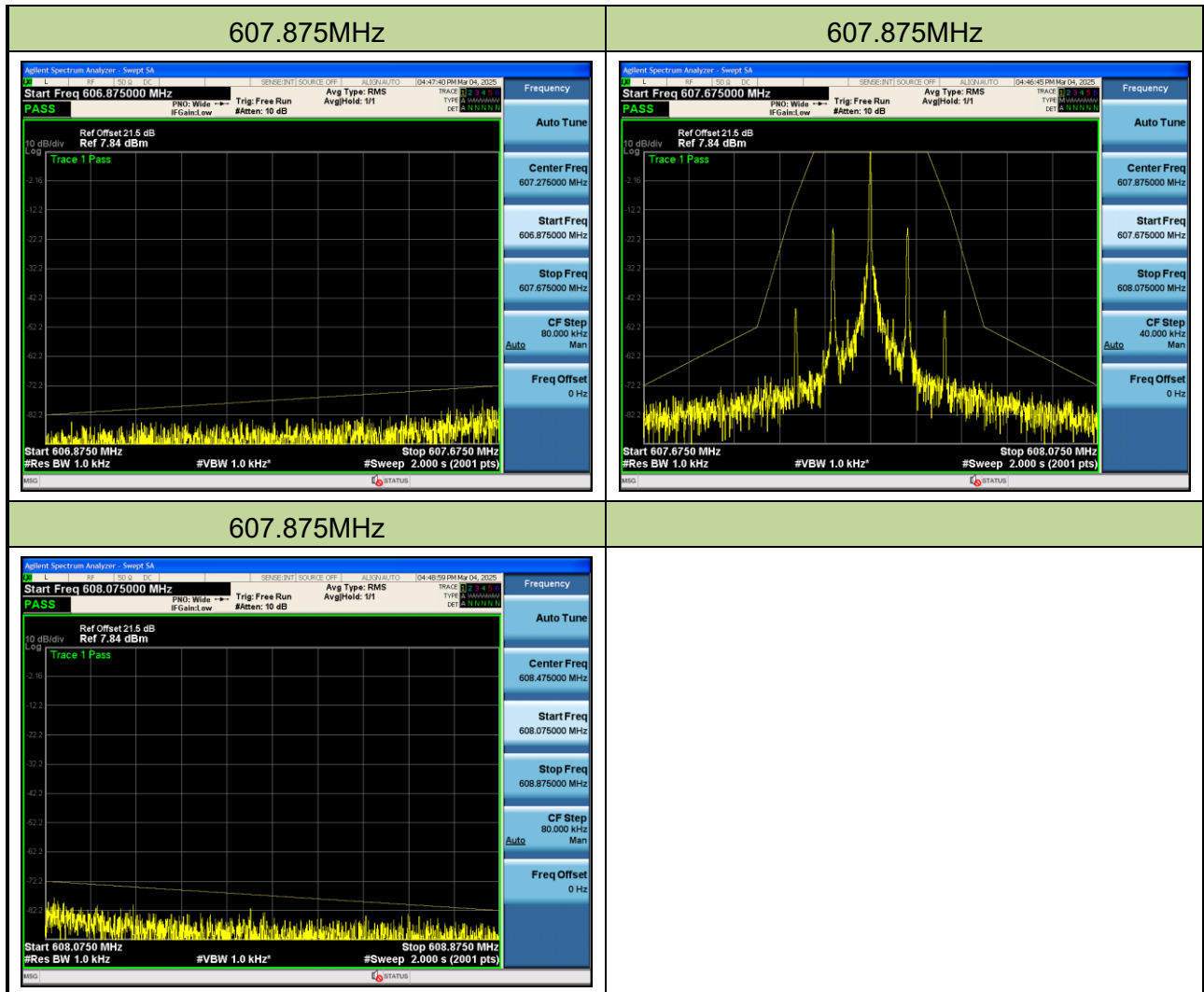


7.4.5. Test Result

Test Site	SR6	Test Engineer	Fran
Test Date	2025/3/4		







7.5. Output Power Measurement

7.5.1. Test Limit

In the bands allocated and assigned for broadcast television and in the 600 MHz service band: 50 mW EIRP.

In the 600 MHz guard band and the 600 MHz duplex gap: 20 mW EIRP.

7.5.2. Test Procedure

N/A

7.5.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
25 ~ 30 MHz	9 kHz
30 ~ 1000 MHz	100 kHz
1000 ~ 6000 MHz	1 MHz

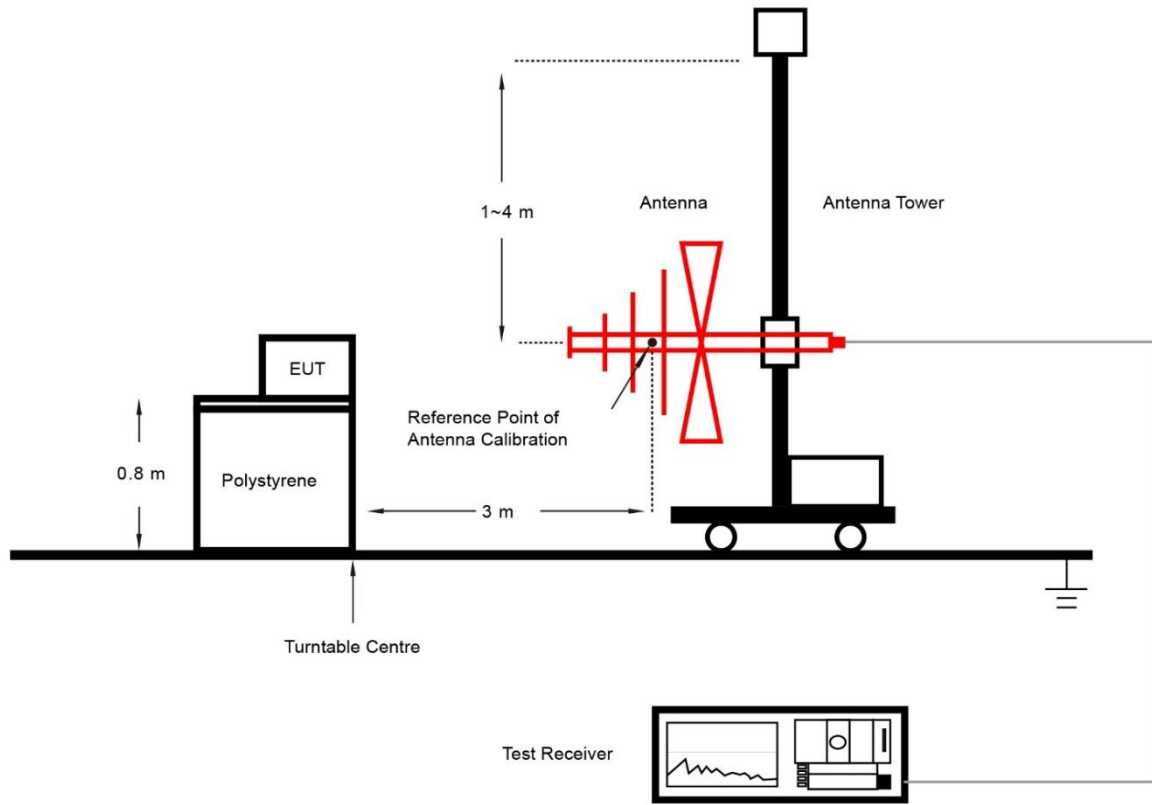
Emissions shall be investigated up to the 10th harmonic of the fundamental.

All the emissions shall be demonstrated using a QP detector below 1 GHz and an RMS Average detector above 1 GHz.

All significant broadband and narrowband signals found in the preliminary sweeps were measured using a peak detector at a test distance of 3 meters.

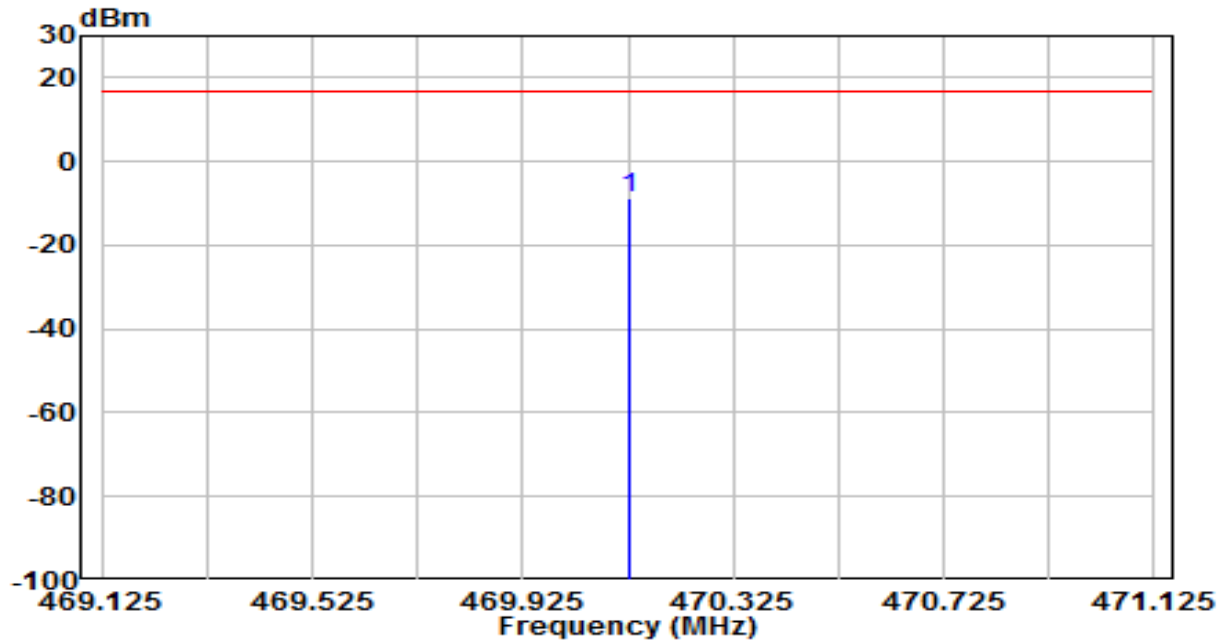
at each frequency at which a component is detected, the sample shall be rotated to obtain maximum response and the effective radiated power of that component determined by a substitution measurement.

7.5.4. Test Setup



7.5.5. Test Result

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-470.125MHz	Test Voltage	By Battery

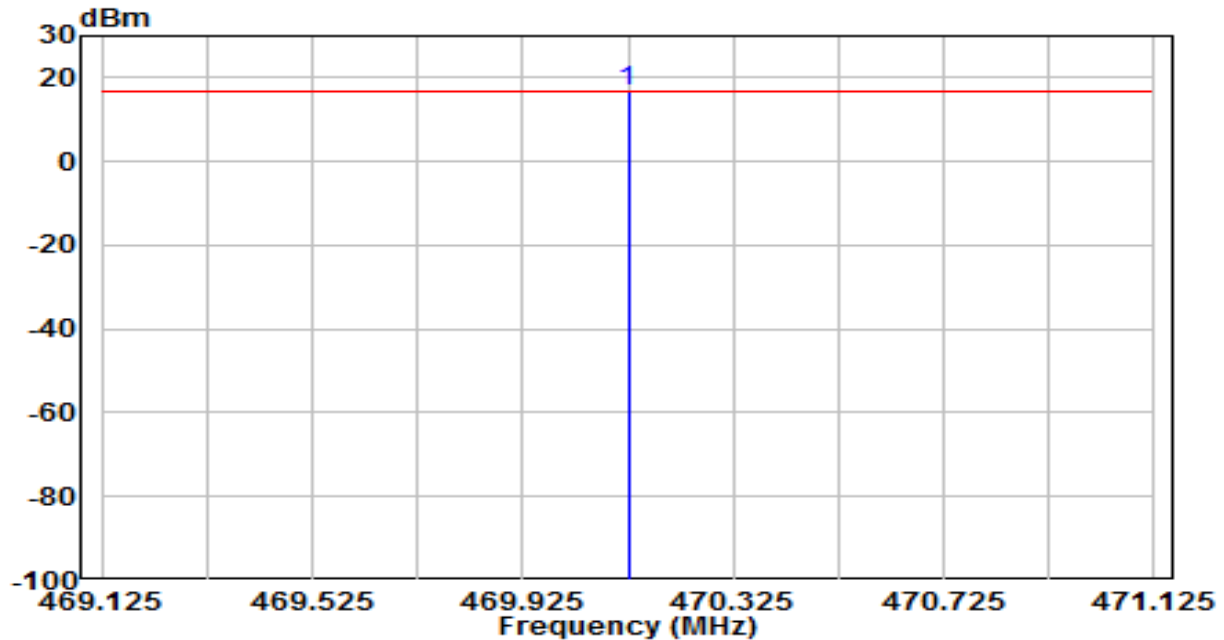


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	470.127	-32.97	24.21	-8.76	-25.76	17.00	264	68	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-470.125MHz	Test Voltage	By Battery

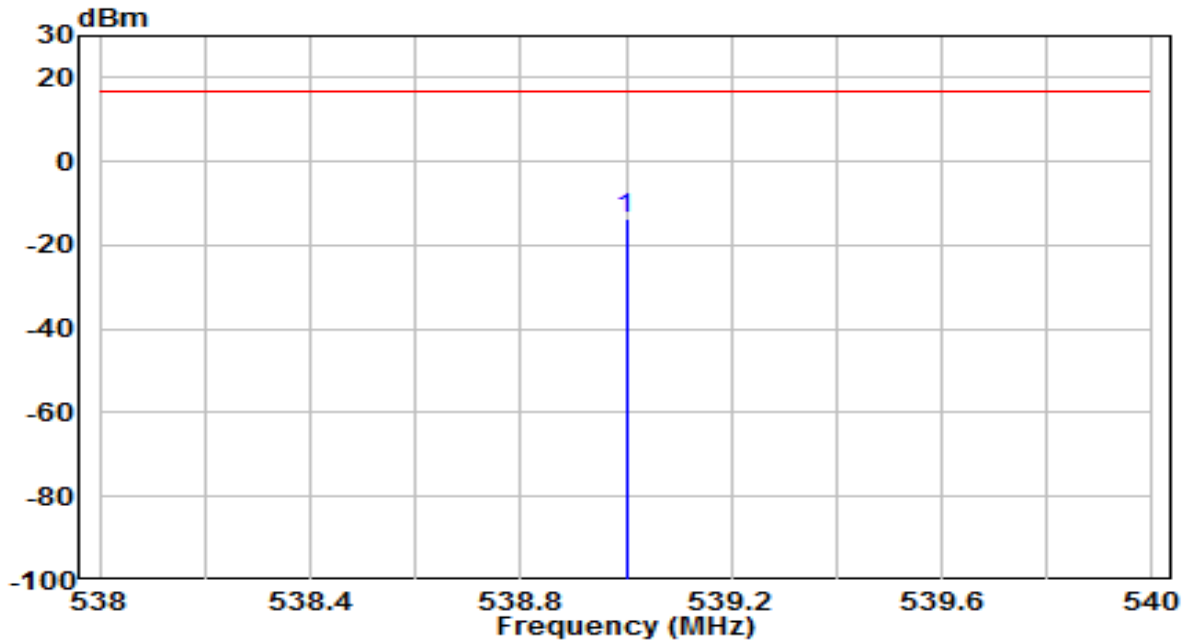


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	470.125	-9.18	26.02	16.84	-0.16	17.00	132	215	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-539MHz	Test Voltage	By Battery

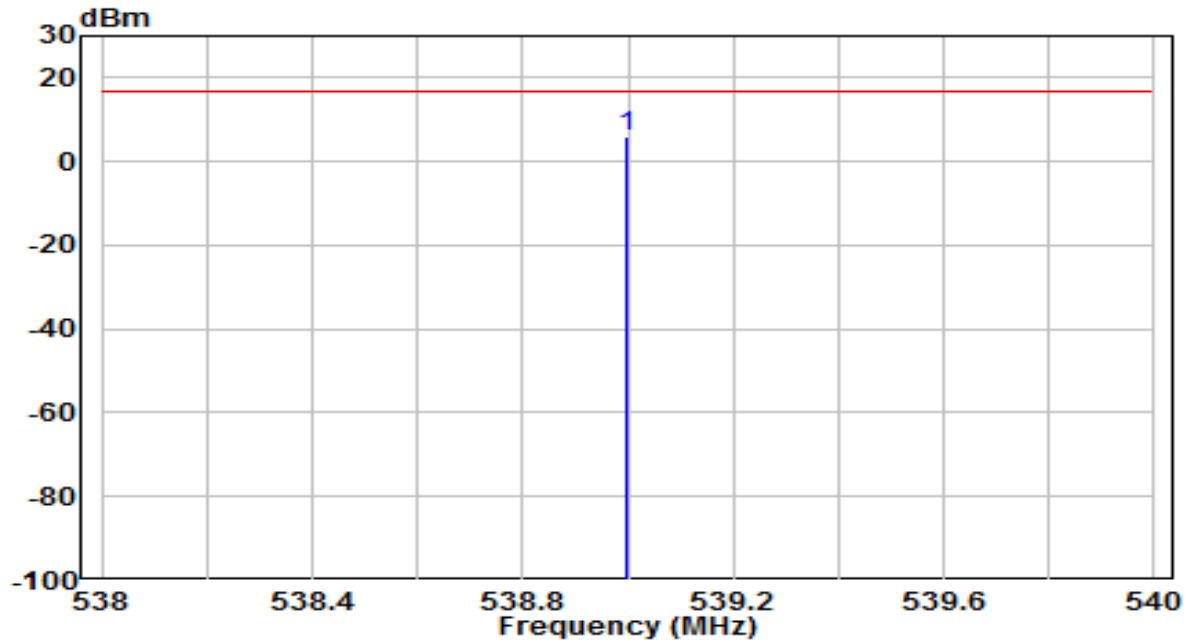


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	539.000	-39.37	25.61	-13.76	-30.76	17.00	233	60	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-539MHz	Test Voltage	By Battery

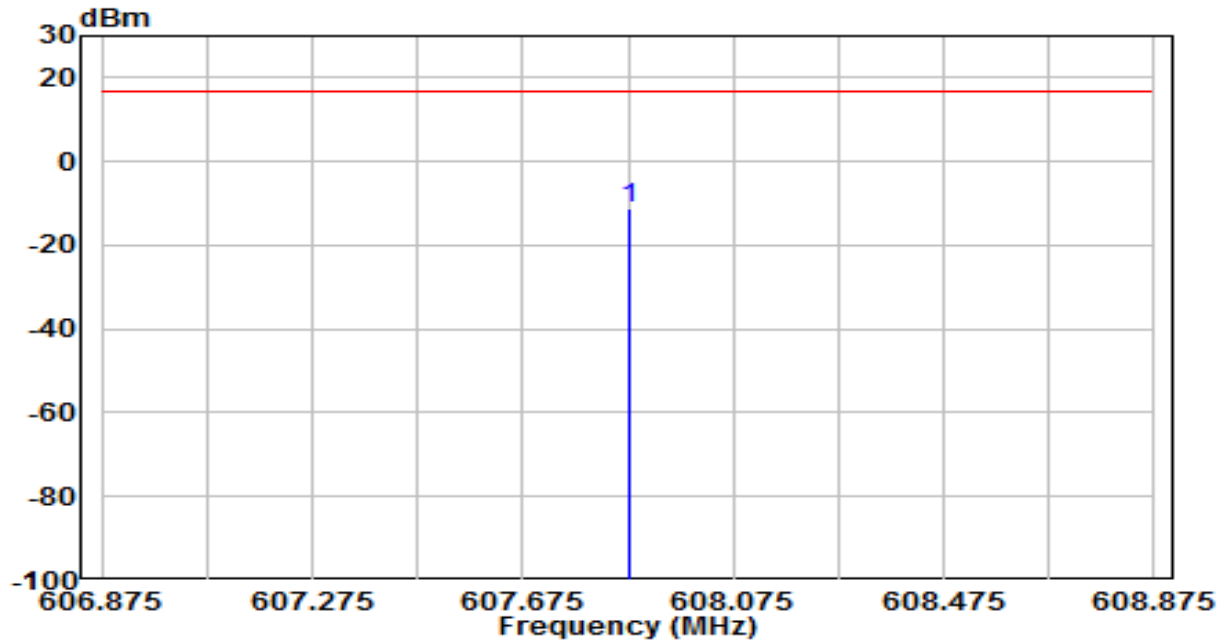


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	538.998	-20.80	26.96	6.16	-10.84	17.00	170	63	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-607.875MHz	Test Voltage	By Battery

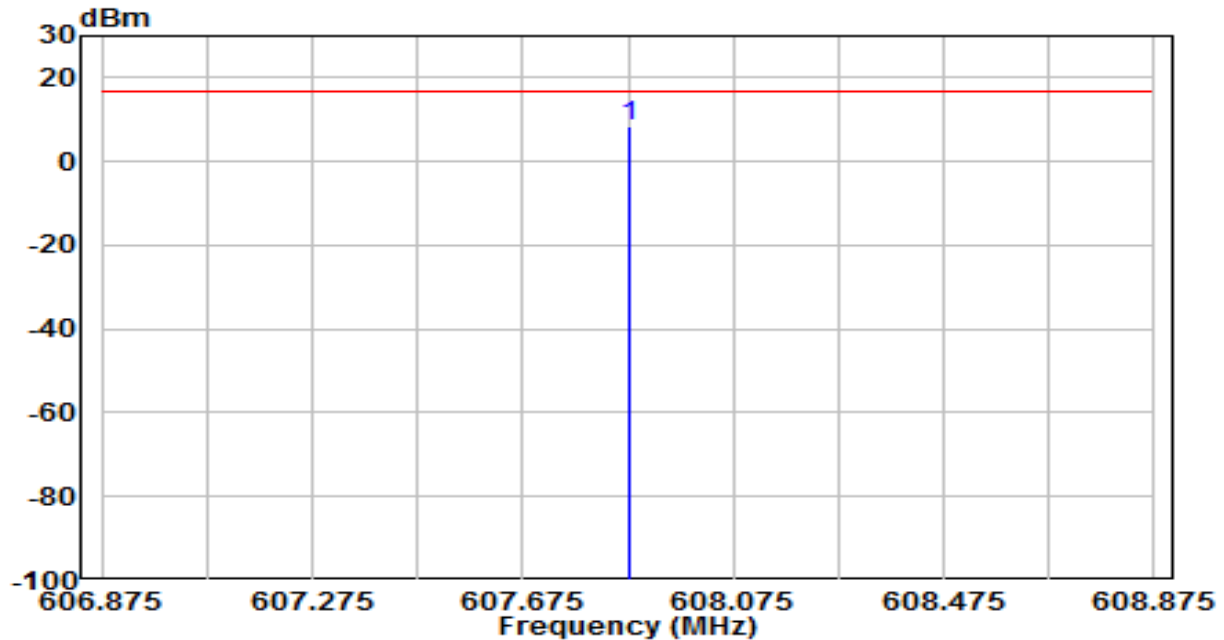


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	607.877	-37.48	26.28	-11.20	-28.20	17.00	242	70	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-607.875MHz	Test Voltage	By Battery



No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	607.877	-20.12	28.30	8.18	-8.82	17.00	150	19	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

7.6. Radiated Spurious Emission Measurement

7.6.1. Test Limit

According to FCC Part 15.236(g), emissions outside of this band shall comply with the limits specified in section 8.4 of ETSI EN 300 422-1 V1.4.2.

State	Frequency		
	47MHz to 74MHz, 87.5MHz to 137MHz 174MHz to 230MHz, 470MHz to 862MHz	Other Frequencies below 1000MHz	Frequencies above 1000MHz
Operation	4nW	250nW	1uW
Standby	2nW	2nW	20nW

7.6.2. Test Procedure

ETSI EN 300 422-1 V1.4.2 clause 8.4.2.

7.6.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
25 ~ 30 MHz	9 kHz
30 ~ 1000 MHz	100 kHz
1000 ~ 6000 MHz	1 MHz

Emissions shall be investigated up to the 10th harmonic of the fundamental.

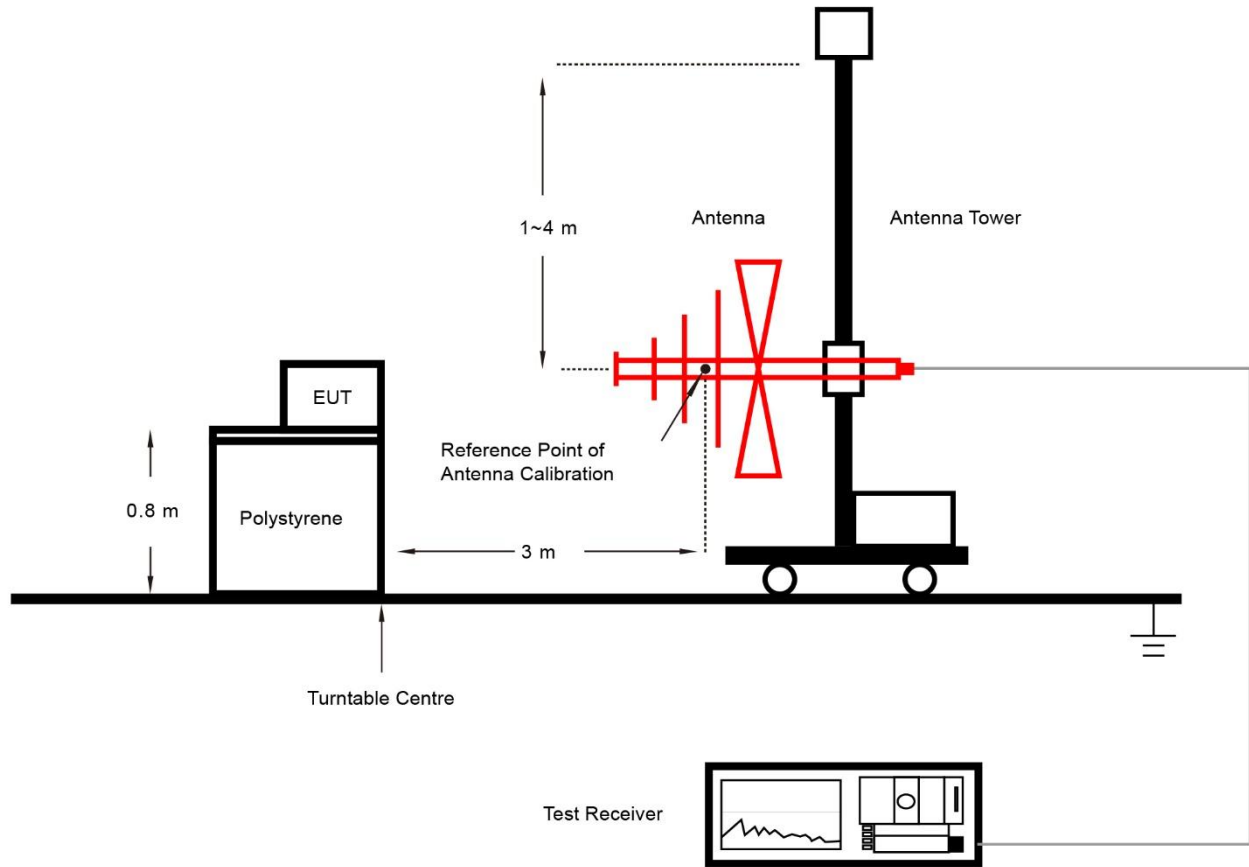
All the emissions shall be demonstrated using a QP detector below 1 GHz and an RMS Average detector above 1 GHz.

All significant broadband and narrowband signals found in the preliminary sweeps were measured using a peak detector at a test distance of 3 meters.

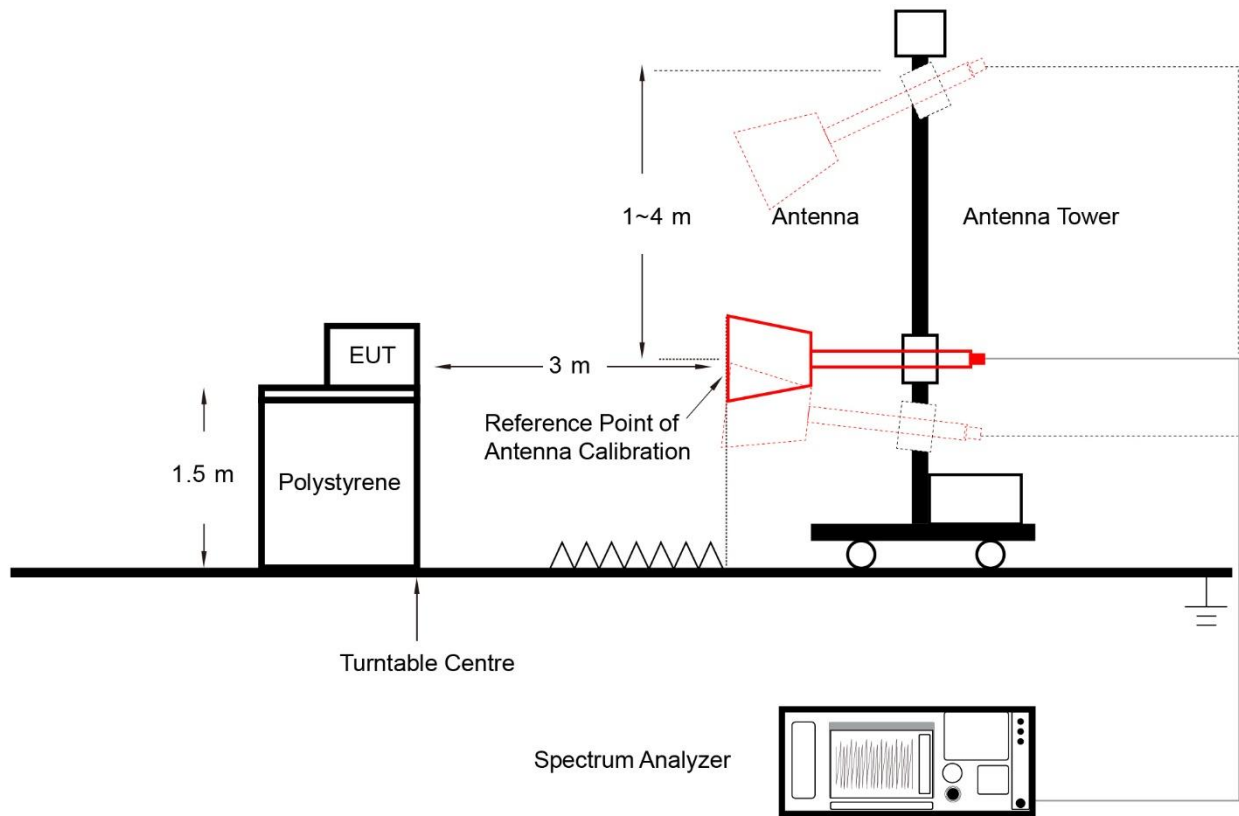
at each frequency at which a component is detected, the sample shall be rotated to obtain maximum response and the effective radiated power of that component determined by a substitution measurement.

7.6.4. Test Setup

Below 1GHz Test Setup:

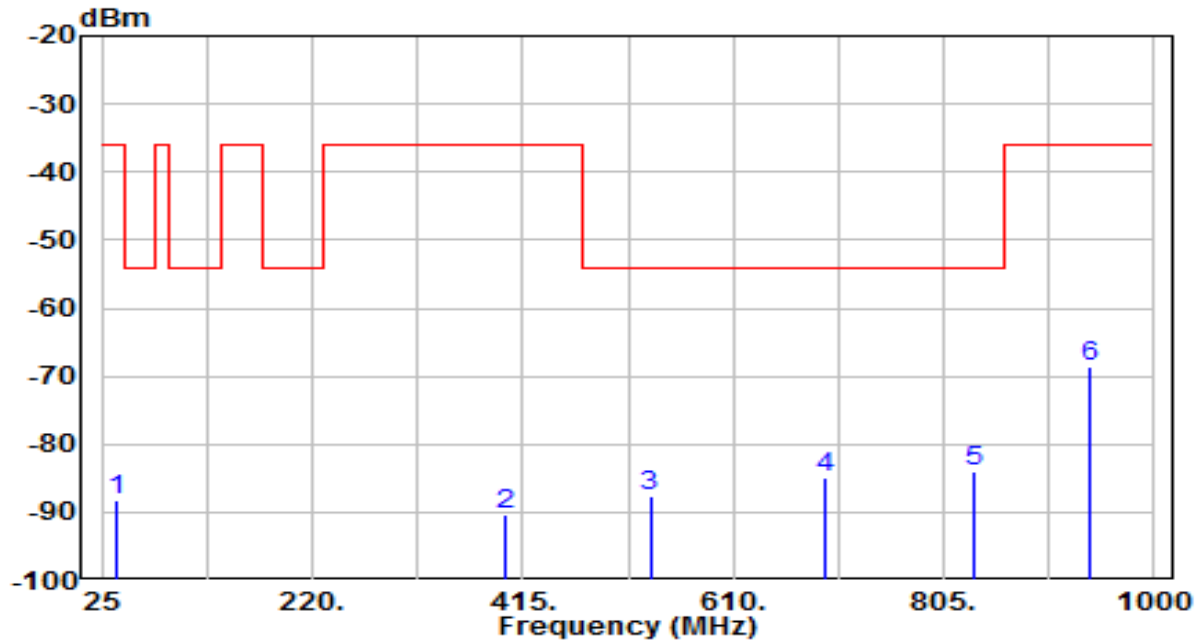


Above 1GHz Test Setup:



7.6.5. Test Result

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-470.125MHz	Test Voltage	By Battery

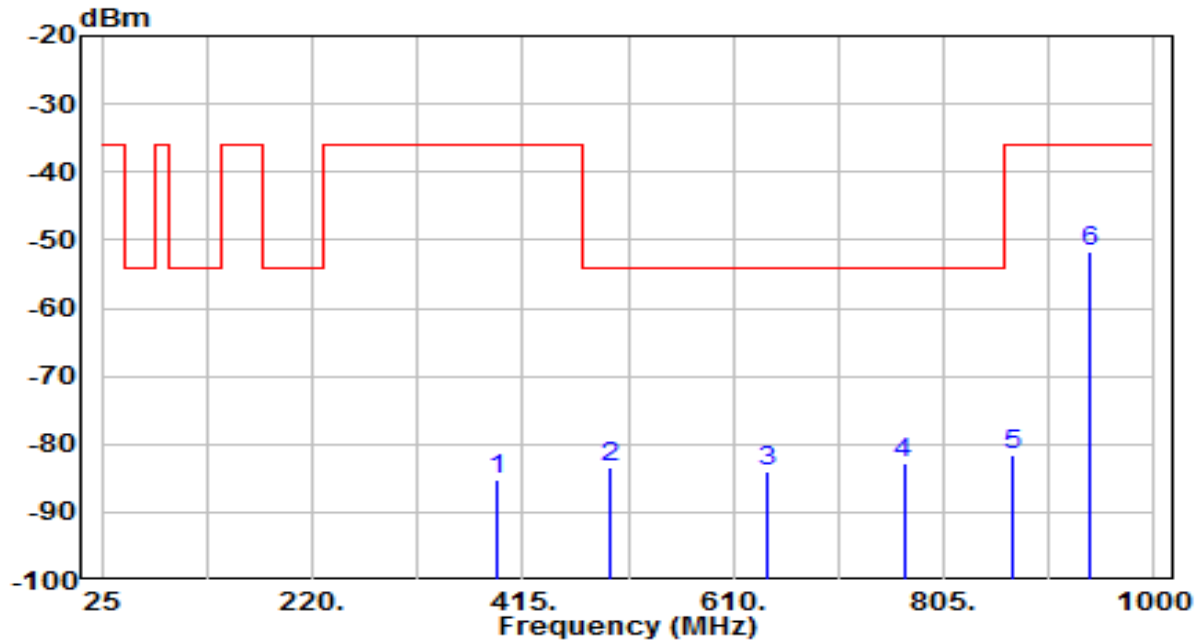


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	38.650	-113.95	25.63	-88.33	-52.33	-36.00	160	214	Average
2	398.425	-113.51	23.23	-90.28	-54.28	-36.00	160	51	Average
3	532.975	-113.01	25.53	-87.48	-33.48	-54.00	160	169	Average
4	694.825	-112.56	27.64	-84.92	-30.92	-54.00	160	276	Average
5	* 834.250	-113.70	29.72	-83.98	-29.98	-54.00	160	112	Average
6	940.525	-99.74	31.19	-68.55	-32.55	-36.00	160	93	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-470.125MHz	Test Voltage	By Battery

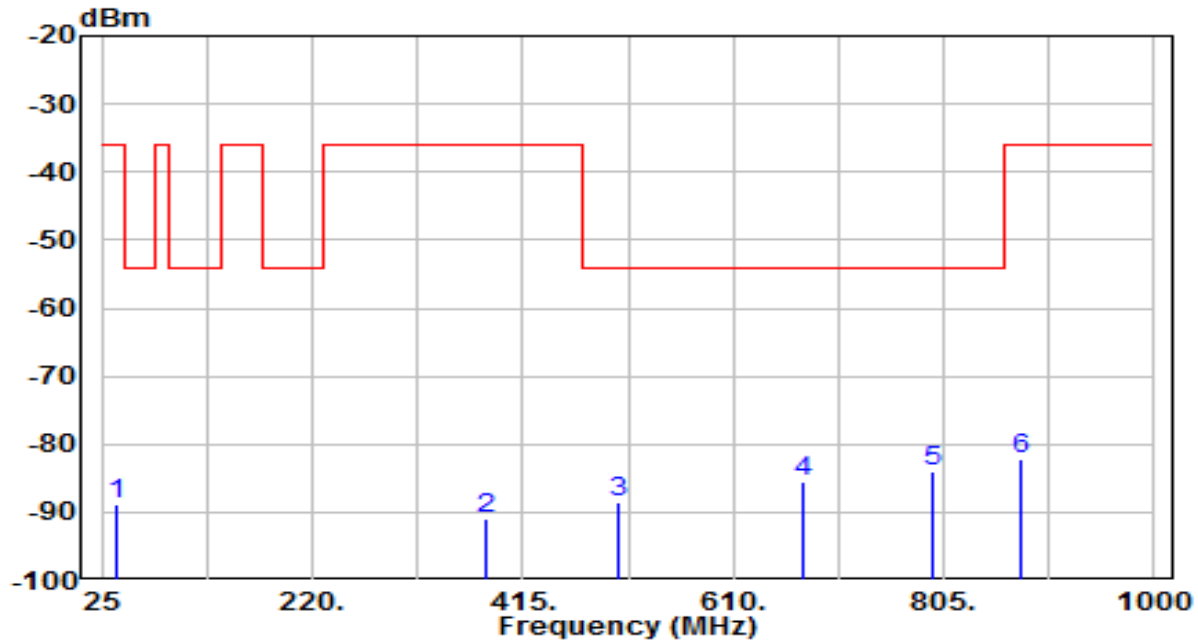


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	391.600	-110.75	25.43	-85.32	-49.32	-36.00	160	286	Average
2	495.925	-109.75	26.30	-83.44	-29.44	-54.00	160	14	Average
3	642.175	-112.66	28.70	-83.96	-29.96	-54.00	160	241	Average
4	767.950	-112.96	30.04	-82.92	-28.92	-54.00	160	174	Average
5	869.350	-113.40	31.95	-81.45	-45.45	-36.00	160	20	Average
6	* 940.525	-83.97	32.18	-51.79	-15.79	-36.00	160	44	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-539MHz	Test Voltage	By Battery

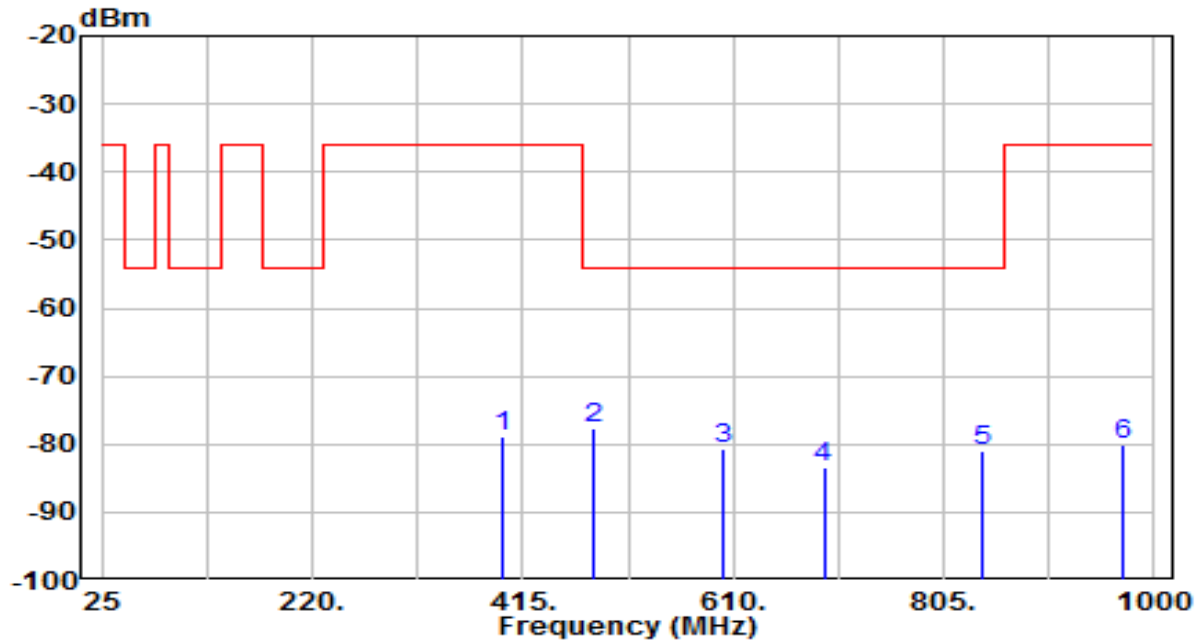


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	38.650	-114.49	25.63	-88.87	-52.87	-36.00	160	360	Average
2	380.875	-113.39	22.41	-90.98	-54.98	-36.00	160	149	Average
3	502.750	-113.57	25.12	-88.45	-34.45	-54.00	160	45	Average
4	675.325	-112.83	27.38	-85.45	-31.45	-54.00	160	317	Average
5	* 794.275	-113.20	29.16	-84.04	-30.04	-54.00	160	100	Average
6	877.150	-112.99	30.78	-82.21	-46.21	-36.00	160	63	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-539MHz	Test Voltage	By Battery

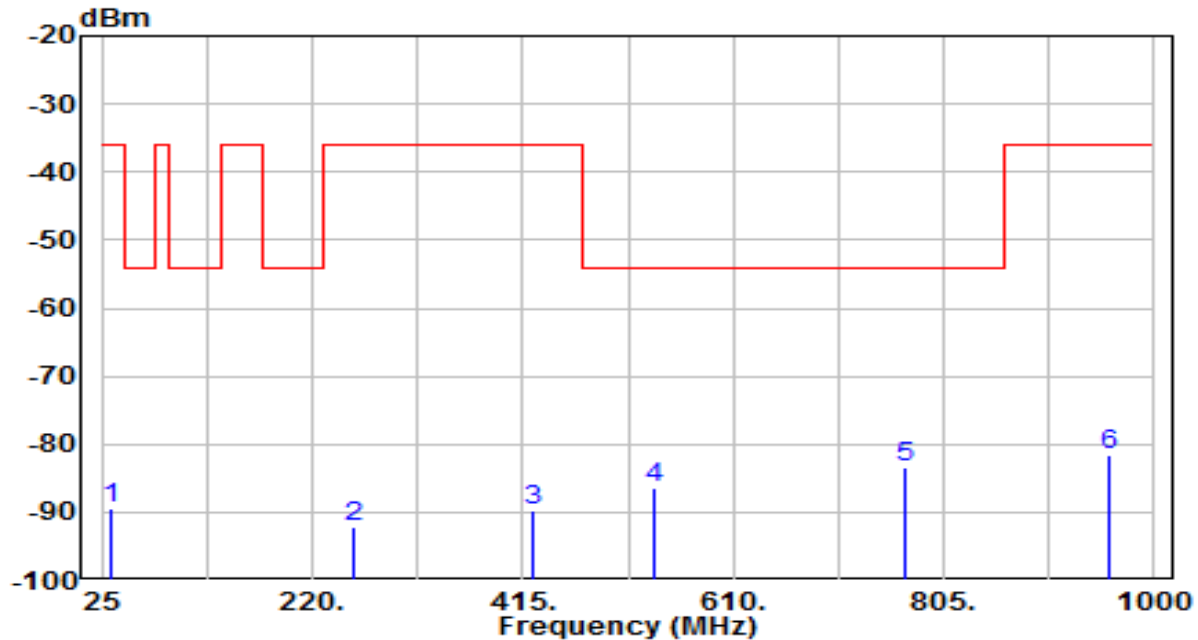


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	395.500	-104.09	25.32	-78.78	-42.78	-36.00	160	276	Average
2	* 480.325	-103.34	25.71	-77.63	-23.63	-54.00	160	12	Average
3	600.250	-109.01	28.40	-80.61	-26.61	-54.00	160	16	Average
4	693.850	-112.69	29.44	-83.26	-29.26	-54.00	160	51	Average
5	840.100	-112.49	31.46	-81.03	-27.03	-54.00	160	28	Average
6	970.750	-113.14	33.13	-80.01	-44.01	-36.00	160	197	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-607.875MHz	Test Voltage	By Battery

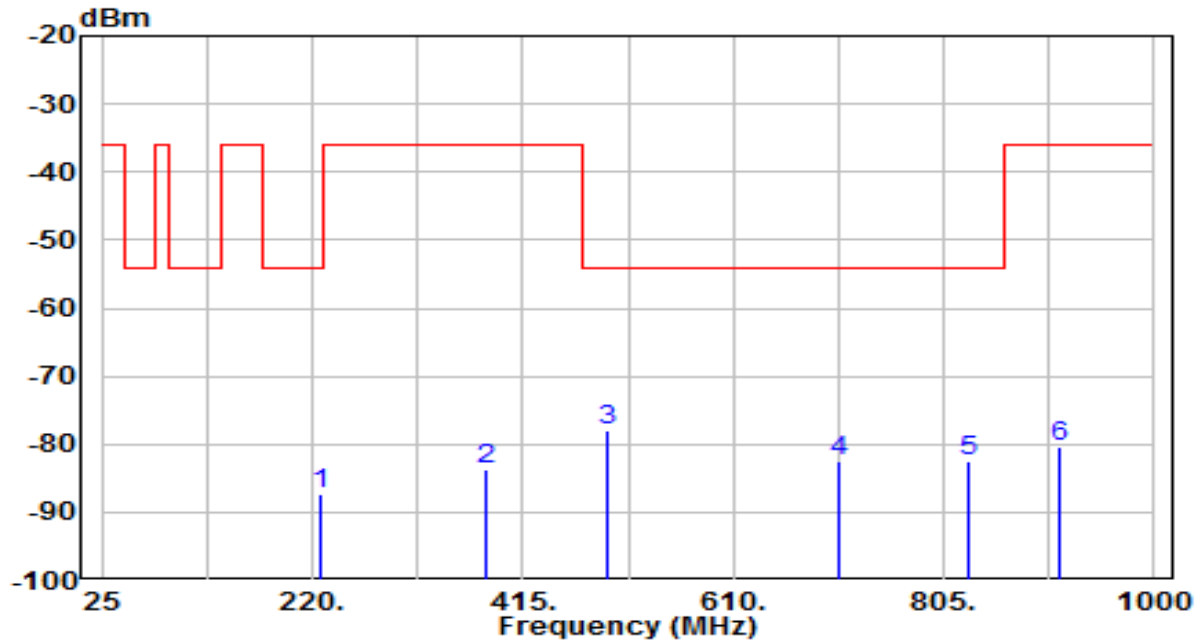


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	34.750	-114.10	24.79	-89.30	-53.30	-36.00	160	260	Average
2	259.000	-113.36	21.15	-92.21	-56.21	-36.00	160	227	Average
3	423.775	-113.40	23.73	-89.67	-53.67	-36.00	160	57	Average
4	536.875	-111.93	25.58	-86.35	-32.35	-54.00	160	59	Average
5	* 769.900	-112.52	28.99	-83.53	-29.53	-54.00	160	73	Average
6	958.075	-112.76	31.11	-81.65	-45.65	-36.00	160	292	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-607.875MHz	Test Voltage	By Battery

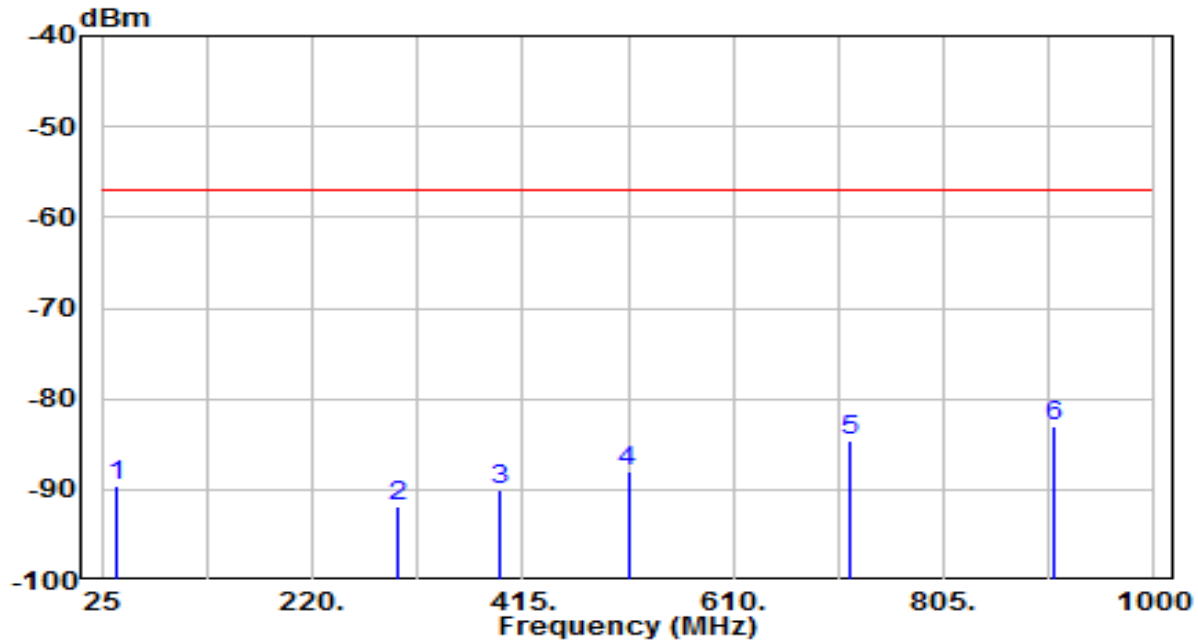


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	227.800	-107.60	20.34	-87.26	-33.26	-54.00	160	206	Average
2	379.900	-108.78	25.15	-83.62	-47.62	-36.00	160	91	Average
3	* 493.975	-104.17	26.21	-77.96	-23.96	-54.00	160	359	Average
4	708.475	-112.11	29.60	-82.52	-28.52	-54.00	160	35	Average
5	827.425	-113.74	31.23	-82.51	-28.51	-54.00	160	335	Average
6	912.250	-112.68	32.25	-80.43	-44.43	-36.00	160	315	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (RX)	Temp. / Humidity	23°C /67%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-470.125MHz	Test Voltage	By Battery

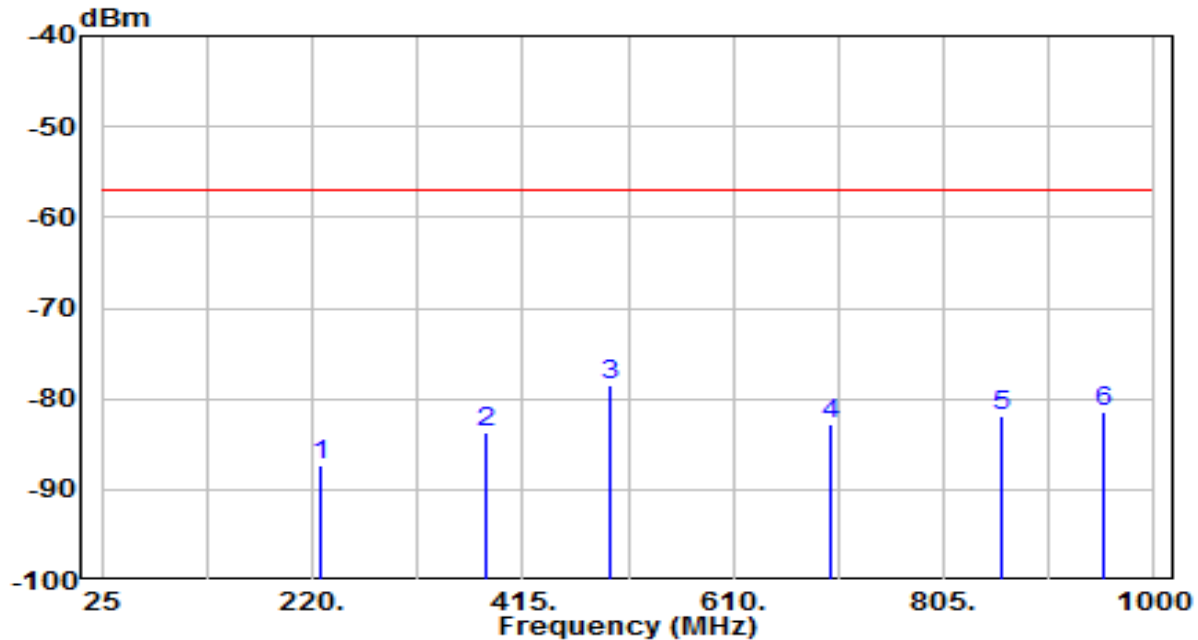


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	39.625	-114.79	25.12	-89.67	-32.67	-57.00	160	72	Average
2	298.975	-112.69	20.84	-91.85	-34.85	-57.00	160	304	Average
3	393.550	-112.86	22.77	-90.09	-33.09	-57.00	160	43	Average
4	512.500	-113.40	25.33	-88.07	-31.07	-57.00	160	360	Average
5	718.225	-112.33	27.74	-84.59	-27.59	-57.00	160	190	Average
6	* 907.375	-112.88	29.97	-82.91	-25.91	-57.00	160	207	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (RX)	Temp. / Humidity	23°C /67%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-470.125MHz	Test Voltage	By Battery

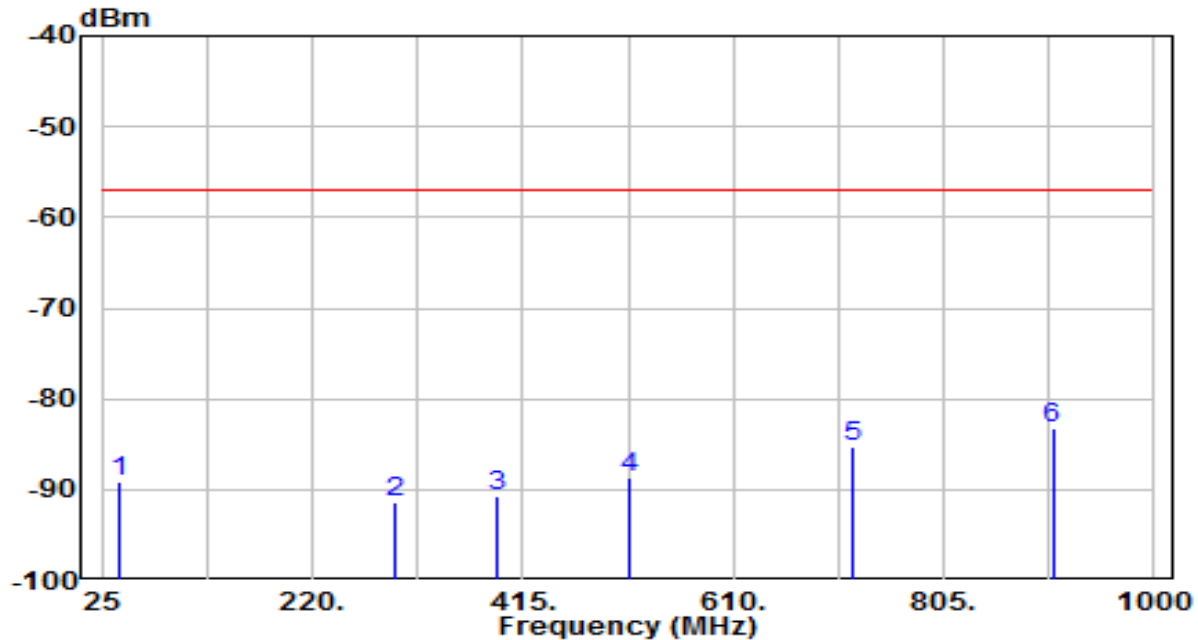


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	227.800	-107.43	20.21	-87.21	-30.21	-57.00	160	54	Average
2	379.900	-108.53	24.84	-83.69	-26.69	-57.00	160	17	Average
3	* 494.950	-104.70	26.15	-78.55	-21.55	-57.00	160	124	Average
4	700.675	-112.32	29.55	-82.77	-25.77	-57.00	160	50	Average
5	857.650	-112.79	30.88	-81.91	-24.91	-57.00	160	56	Average
6	953.200	-113.26	31.79	-81.47	-24.47	-57.00	160	337	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (RX)	Temp. / Humidity	23°C /67%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-539MHz	Test Voltage	By Battery

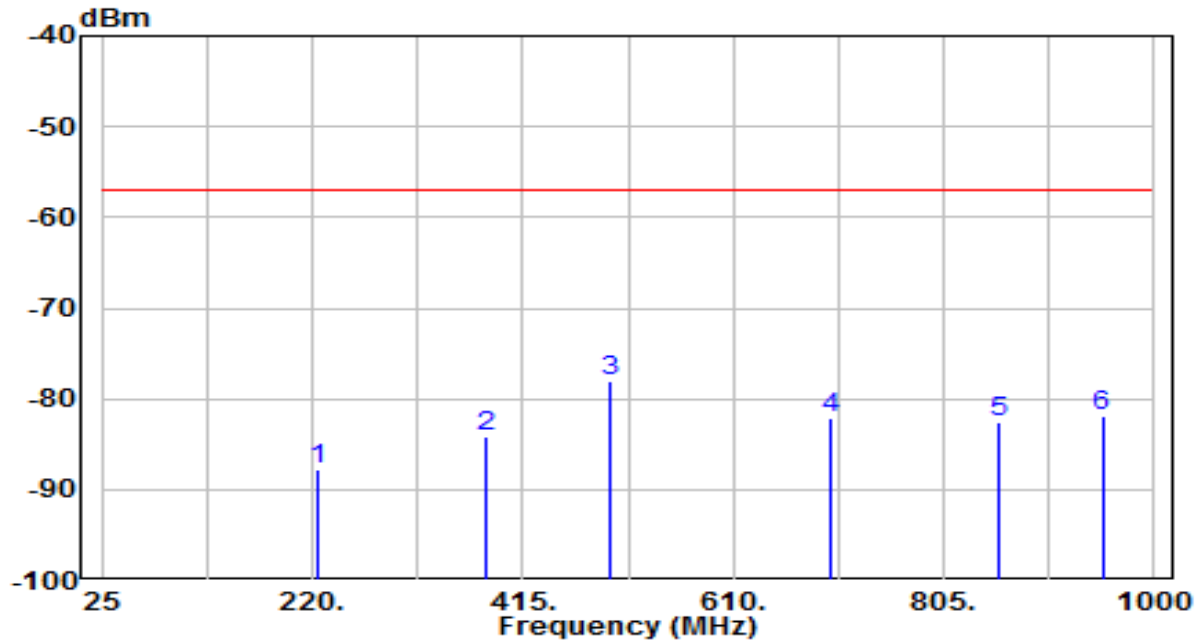


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	41.018	-113.34	24.16	-89.18	-32.18	-57.00	160	72	Average
2	297.512	-112.36	20.86	-91.50	-34.50	-57.00	160	304	Average
3	391.894	-113.36	22.72	-90.64	-33.64	-57.00	160	43	Average
4	513.974	-114.03	25.31	-88.72	-31.72	-57.00	160	360	Average
5	719.610	-112.99	27.78	-85.21	-28.21	-57.00	160	190	Average
6	* 905.908	-113.27	29.94	-83.33	-26.33	-57.00	160	207	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (RX)	Temp. / Humidity	23°C /67%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-539MHz	Test Voltage	By Battery

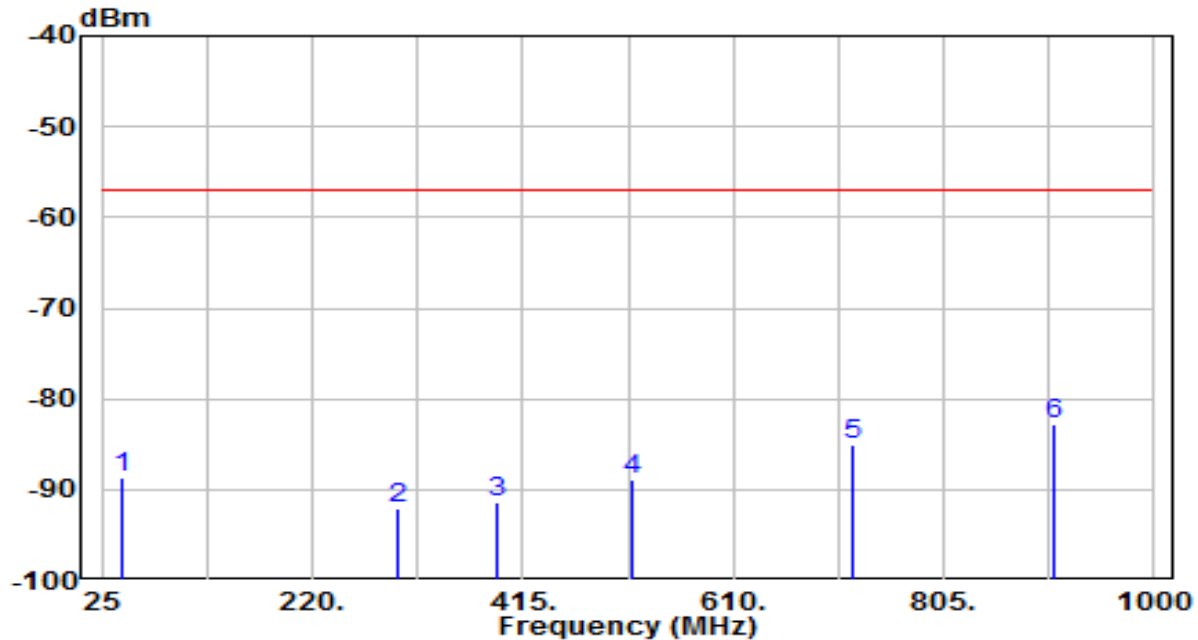


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	226.178	-107.94	20.17	-87.77	-30.77	-57.00	160	54	Average
2	381.263	-108.94	24.88	-84.05	-27.05	-57.00	160	17	Average
3	* 496.795	-104.25	26.24	-78.01	-21.01	-57.00	160	124	Average
4	699.188	-111.71	29.52	-82.19	-25.19	-57.00	160	50	Average
5	855.716	-113.45	30.91	-82.54	-25.54	-57.00	160	56	Average
6	951.885	-113.72	31.77	-81.95	-24.95	-57.00	160	337	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (RX)	Temp. / Humidity	23°C /67%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-607.875MHz	Test Voltage	By Battery

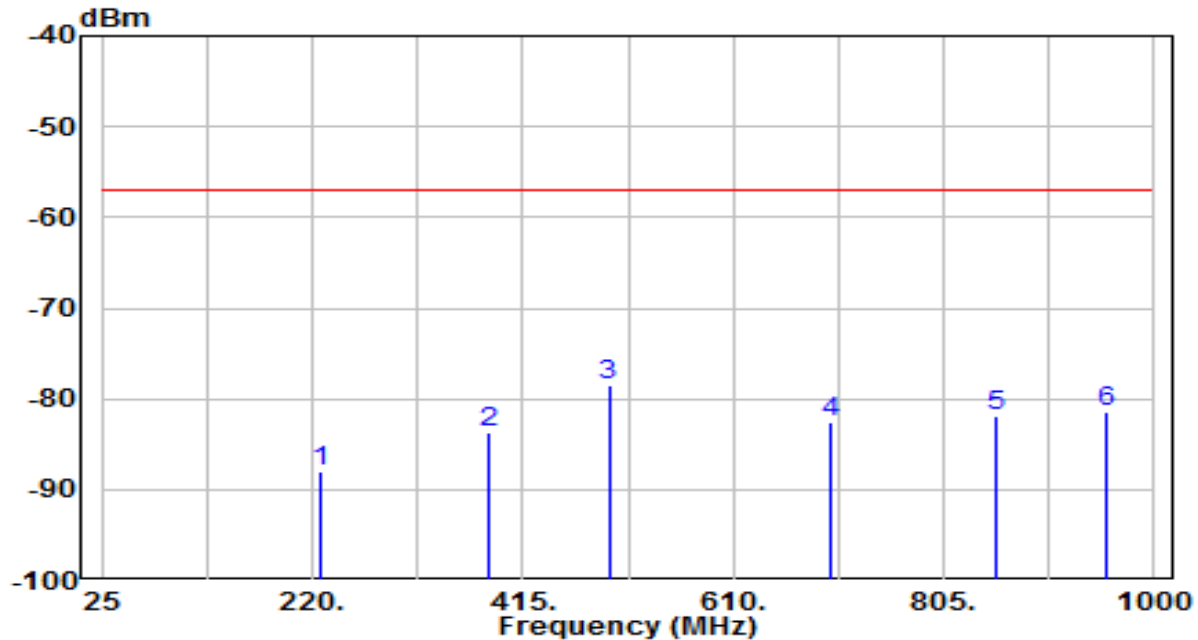


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	42.662	-113.53	24.94	-88.60	-31.60	-57.00	160	72	Average
2	298.836	-112.89	20.85	-92.04	-35.04	-57.00	160	304	Average
3	390.369	-113.99	22.67	-91.31	-34.31	-57.00	160	43	Average
4	515.623	-114.28	25.28	-89.00	-32.00	-57.00	160	360	Average
5	720.944	-112.59	27.64	-84.96	-27.96	-57.00	160	190	Average
6	* 907.365	-112.77	29.97	-82.80	-25.80	-57.00	160	207	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	ERP_25MHz~1GHz (RX)	Temp. / Humidity	23°C /67%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-607.875MHz	Test Voltage	By Battery

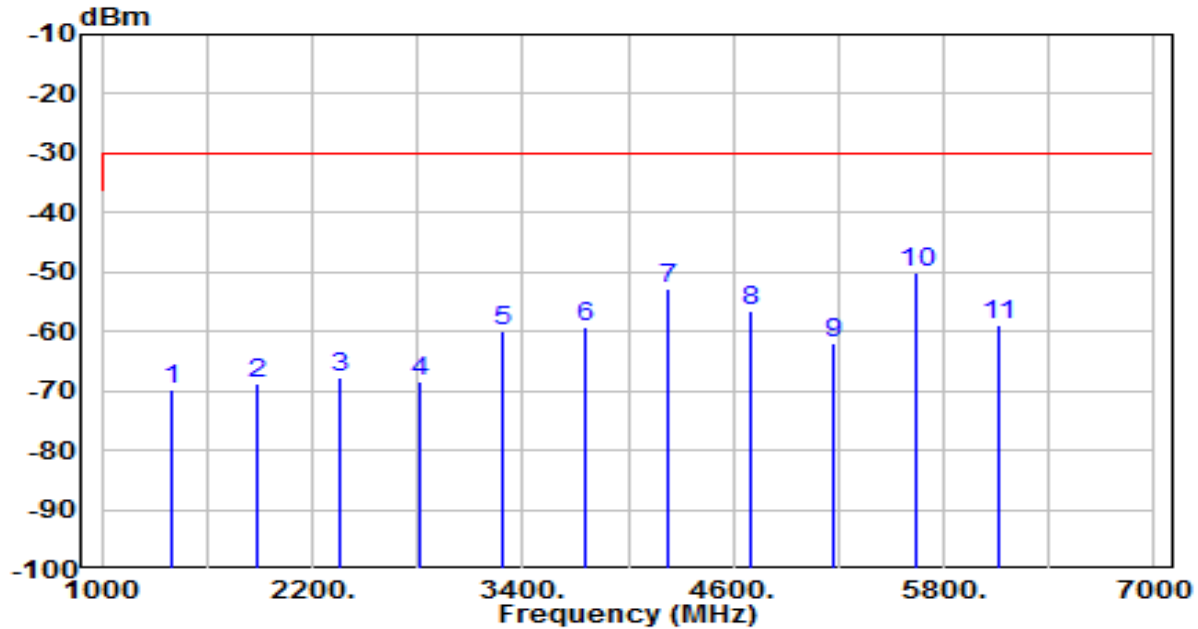


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	228.900	-108.28	20.24	-88.04	-31.04	-57.00	160	54	Average
2	383.776	-108.55	24.95	-83.60	-26.60	-57.00	160	17	Average
3	* 494.650	-104.66	26.14	-78.52	-21.52	-57.00	160	124	Average
4	700.532	-112.21	29.55	-82.66	-25.66	-57.00	160	50	Average
5	853.282	-112.91	30.95	-81.96	-24.96	-57.00	160	56	Average
6	954.530	-113.31	31.82	-81.50	-24.50	-57.00	160	337	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	EIRP_1GHz~18GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-470.125MHz	Test Voltage	By Battery

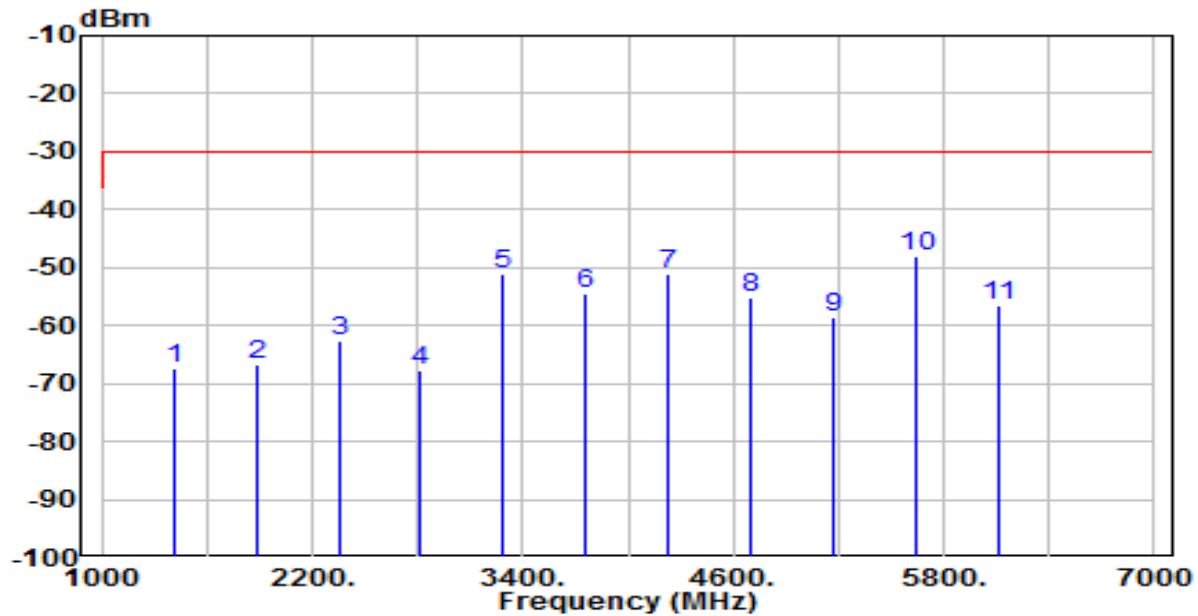


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1405.375	-73.20	3.31	-69.89	-39.89	-30.00	160	182	Average
2	1880.500	-74.33	5.71	-68.62	-38.62	-30.00	160	189	Average
3	2352.063	-74.44	6.58	-67.86	-37.86	-30.00	160	96	Average
4	2806.188	-75.94	7.50	-68.44	-38.44	-30.00	160	1	Average
5	3290.688	-67.83	7.85	-59.99	-29.99	-30.00	160	227	Average
6	3760.938	-69.79	10.69	-59.10	-29.10	-30.00	160	237	Average
7	4231.375	-64.99	12.34	-52.65	-22.65	-30.00	160	337	Average
8	4701.438	-71.16	14.53	-56.64	-26.64	-30.00	160	58	Average
9	5171.500	-77.66	15.54	-62.12	-32.12	-30.00	160	296	Average
10	* 5641.750	-65.96	15.84	-50.12	-20.12	-30.00	160	281	Average
11	6112.000	-76.64	17.72	-58.92	-28.92	-30.00	160	217	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	EIRP_1GHz~18GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-470.125MHz	Test Voltage	By Battery

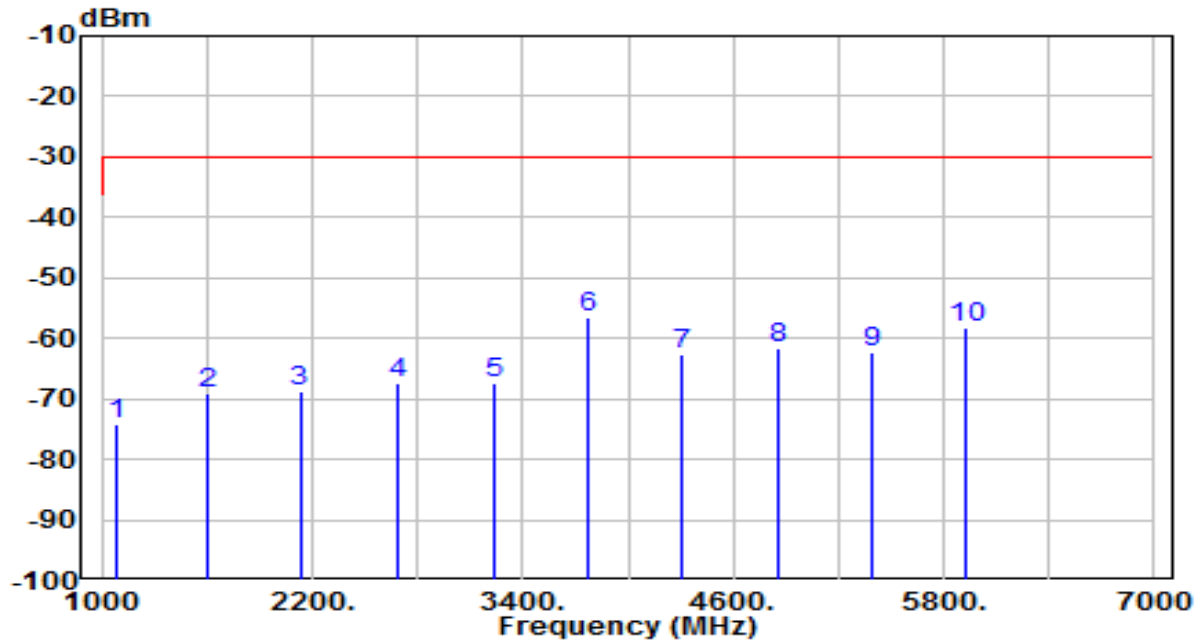


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1410.625	-71.54	4.13	-67.41	-37.41	-30.00	160	205	Average
2	1880.500	-72.34	5.50	-66.84	-36.84	-30.00	160	357	Average
3	2350.563	-70.66	8.01	-62.65	-32.65	-30.00	160	333	Average
4	2806.563	-75.54	7.93	-67.61	-37.61	-30.00	160	198	Average
5	3290.875	-59.12	7.94	-51.18	-21.18	-30.00	160	6	Average
6	3761.125	-64.38	10.02	-54.36	-24.36	-30.00	160	2	Average
7	4231.188	-63.00	11.76	-51.24	-21.24	-30.00	160	277	Average
8	4701.438	-68.97	13.88	-55.09	-25.09	-30.00	160	107	Average
9	5171.313	-73.70	15.11	-58.59	-28.59	-30.00	160	23	Average
10	* 5641.563	-63.47	15.46	-48.00	-18.00	-30.00	160	114	Average
11	6111.625	-73.93	17.35	-56.58	-26.58	-30.00	160	253	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	EIRP_1GHz~18GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-539MHz	Test Voltage	By Battery

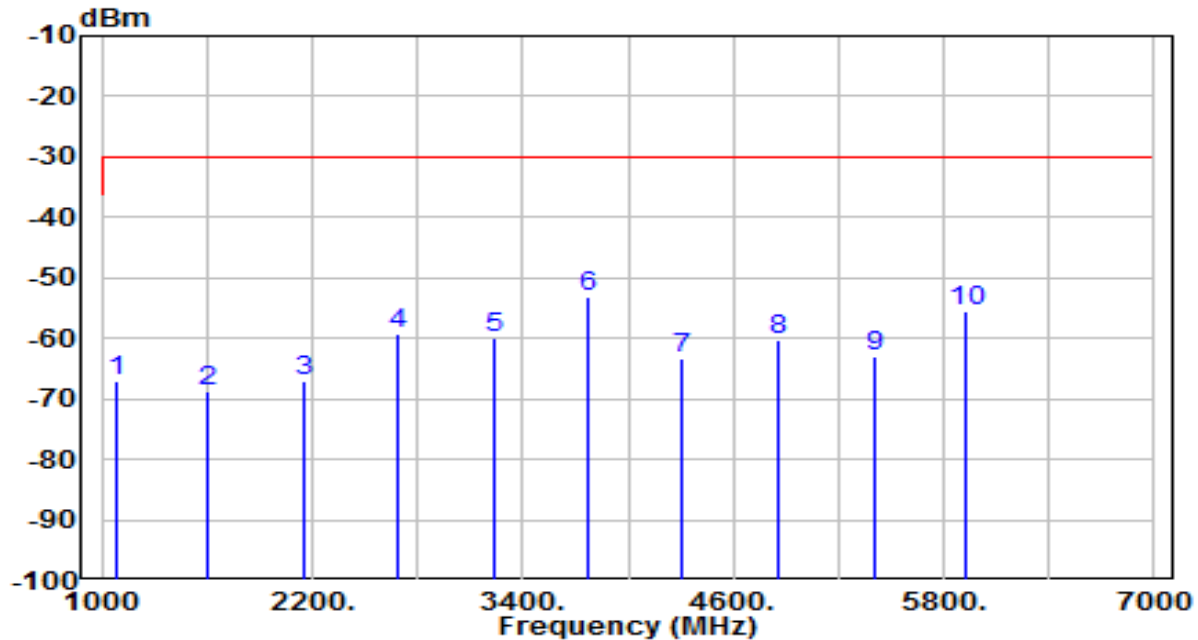


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1078.000	-76.34	2.23	-74.11	-44.11	-30.00	160	252	Average
2	1605.063	-72.93	3.79	-69.14	-39.14	-30.00	160	129	Average
3	2129.688	-74.83	6.23	-68.60	-38.60	-30.00	160	252	Average
4	2694.813	-74.81	7.55	-67.26	-37.26	-30.00	160	310	Average
5	3234.063	-75.35	8.05	-67.30	-37.30	-30.00	160	54	Average
6	* 3772.938	-67.26	10.69	-56.57	-26.57	-30.00	160	238	Average
7	4312.375	-75.87	13.14	-62.73	-32.73	-30.00	160	64	Average
8	4851.438	-76.27	14.63	-61.64	-31.64	-30.00	160	47	Average
9	5389.938	-77.57	15.21	-62.35	-32.35	-30.00	160	266	Average
10	5929.375	-75.42	17.08	-58.34	-28.34	-30.00	160	136	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	EIRP_1GHz~18GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-539MHz	Test Voltage	By Battery

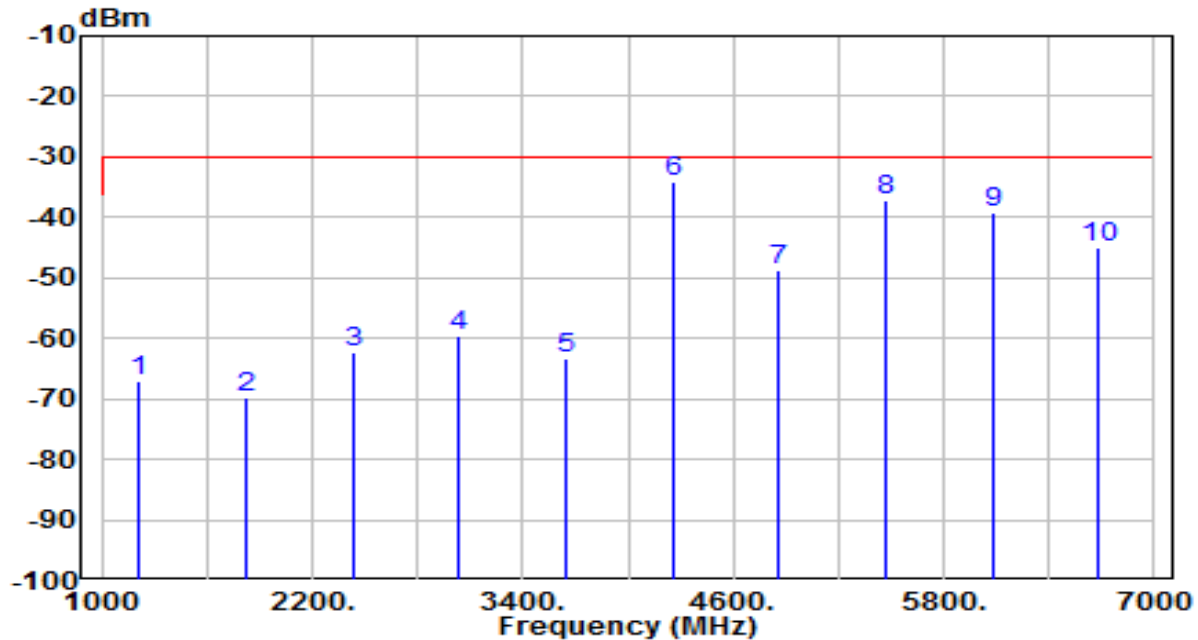


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1078.000	-68.39	1.38	-67.01	-37.01	-30.00	160	24	Average
2	1596.813	-73.08	4.43	-68.66	-38.66	-30.00	160	27	Average
3	2156.125	-74.81	7.89	-66.92	-36.92	-30.00	160	258	Average
4	2695.000	-67.65	8.32	-59.33	-29.33	-30.00	160	360	Average
5	3234.063	-67.65	7.89	-59.76	-29.76	-30.00	160	348	Average
6	* 3773.125	-63.20	10.08	-53.13	-23.13	-30.00	160	1	Average
7	4312.000	-75.29	12.11	-63.19	-33.19	-30.00	160	31	Average
8	4850.875	-74.31	14.02	-60.30	-30.30	-30.00	160	317	Average
9	5410.000	-77.82	14.90	-62.92	-32.92	-30.00	160	169	Average
10	5929.000	-72.54	17.04	-55.50	-25.50	-30.00	160	240	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	EIRP_1GHz~18GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-607.875MHz	Test Voltage	By Battery

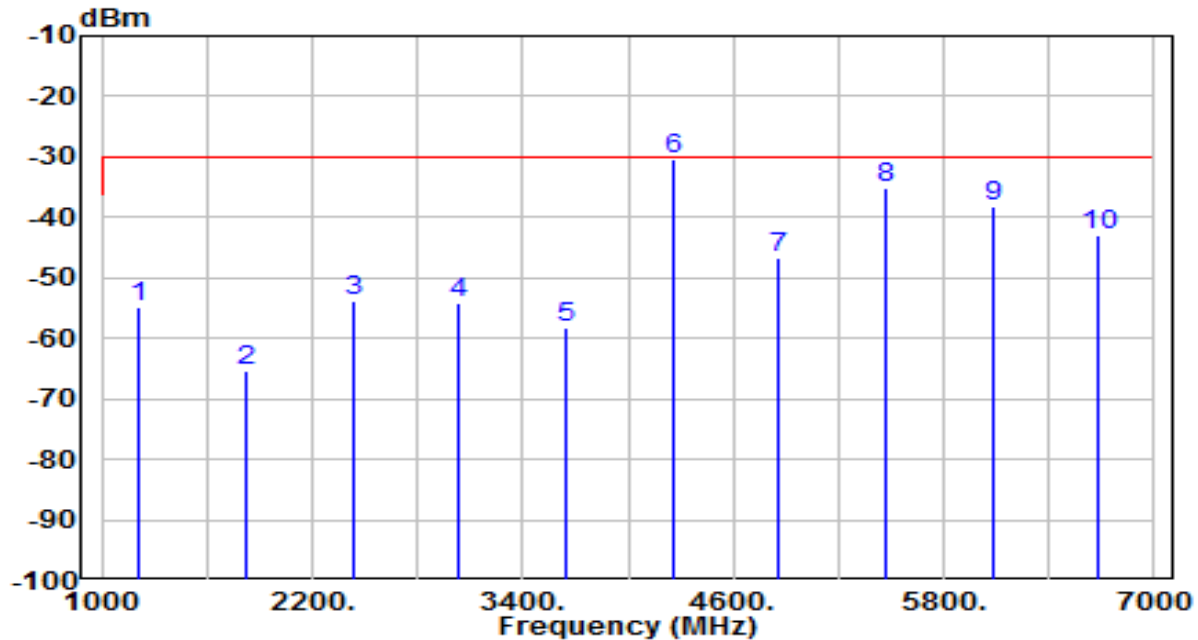


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1215.813	-70.45	3.41	-67.04	-37.04	-30.00	160	96	Average
2	1823.688	-74.49	4.77	-69.73	-39.73	-30.00	160	134	Average
3	2431.375	-68.82	6.67	-62.15	-32.15	-30.00	160	275	Average
4	3039.250	-67.20	7.45	-59.75	-29.75	-30.00	160	68	Average
5	3647.313	-72.97	9.67	-63.30	-33.30	-30.00	160	254	Average
6	* 4255.188	-46.38	12.27	-34.11	-4.11	-30.00	160	340	Average
7	4863.063	-63.24	14.56	-48.68	-18.68	-30.00	160	72	Average
8	5470.938	-53.17	16.05	-37.12	-7.12	-30.00	160	79	Average
9	6078.813	-57.05	17.70	-39.35	-9.35	-30.00	160	127	Average
10	6686.688	-65.74	20.67	-45.06	-15.06	-30.00	160	261	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	EIRP_1GHz~18GHz (TX)	Temp. / Humidity	23°C /67%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-607.875MHz	Test Voltage	By Battery

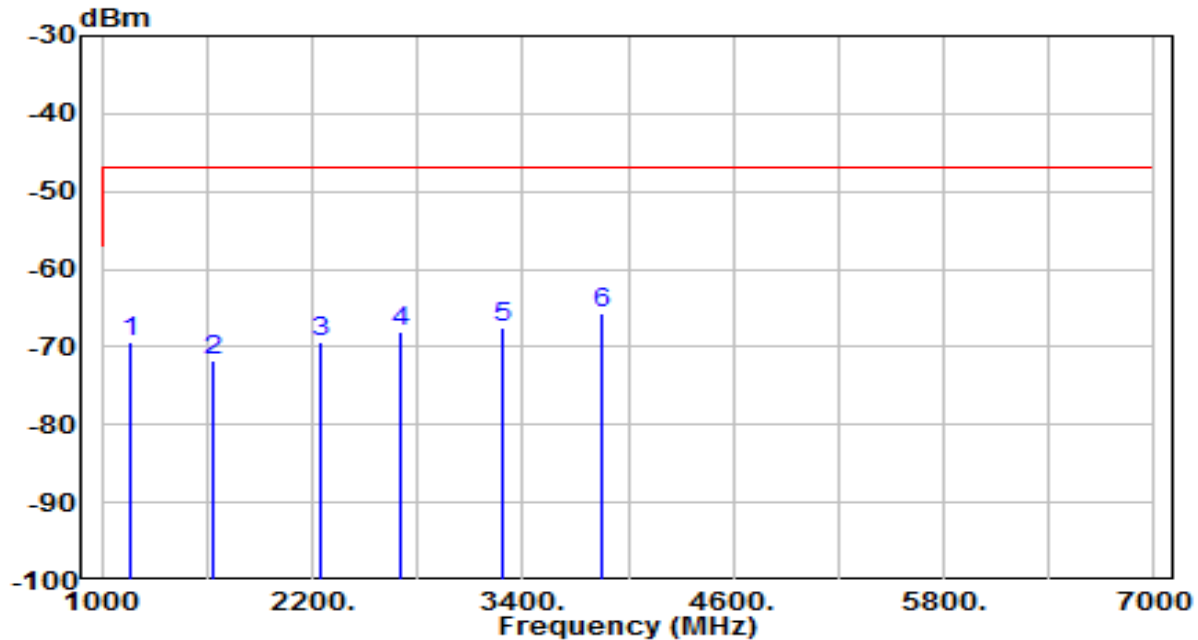


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1215.813	-57.89	3.03	-54.86	-24.86	-30.00	160	264	Average
2	1823.500	-69.99	4.67	-65.31	-35.31	-30.00	160	21	Average
3	2431.563	-61.09	7.45	-53.64	-23.64	-30.00	160	180	Average
4	3039.438	-61.11	7.08	-54.03	-24.03	-30.00	160	0	Average
5	3647.125	-67.69	9.57	-58.12	-28.12	-30.00	160	292	Average
6	* 4255.188	-41.99	11.61	-30.37	-0.37	-30.00	160	183	Average
7	4863.063	-60.60	13.95	-46.64	-16.64	-30.00	160	87	Average
8	5470.938	-50.58	15.42	-35.15	-5.15	-30.00	160	118	Average
9	6078.813	-55.54	17.41	-38.13	-8.13	-30.00	160	159	Average
10	6686.688	-63.09	20.07	-43.02	-13.02	-30.00	160	146	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	EIRP_1GHz~18GHz (RX)	Temp. / Humidity	23°C /67%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-470.125MHz	Test Voltage	By Battery

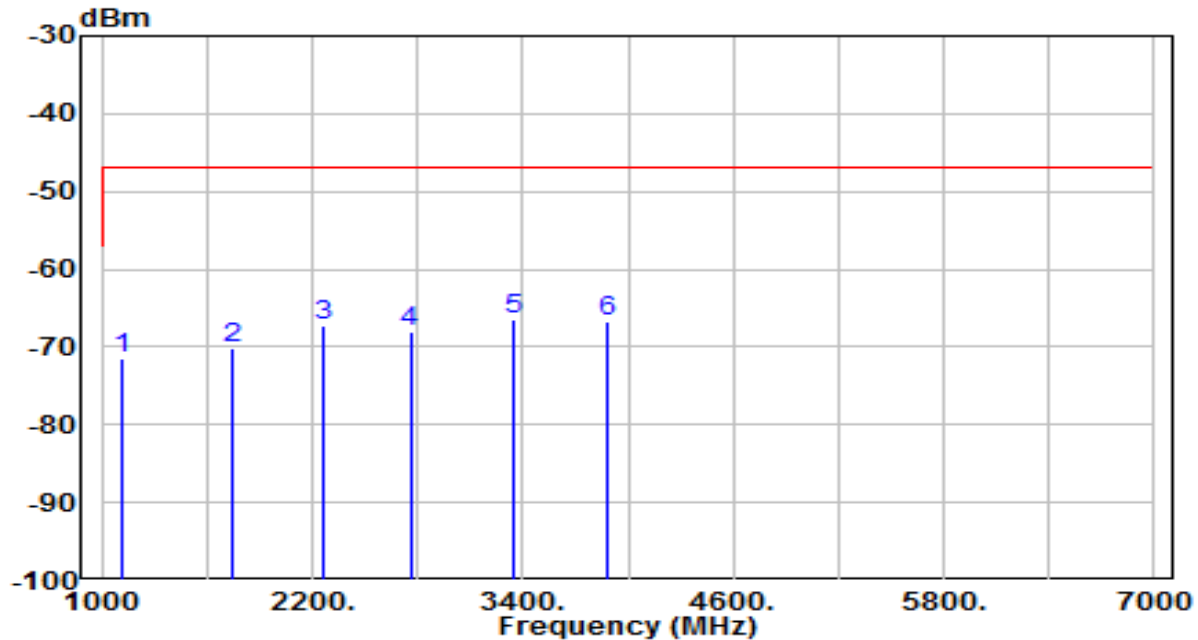


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1168.750	-72.79	3.51	-69.28	-22.28	-47.00	160	180	Average
2	1629.438	-74.89	3.24	-71.66	-24.66	-47.00	160	314	Average
3	2248.375	-75.67	6.23	-69.44	-22.44	-47.00	160	0	Average
4	2701.375	-75.64	7.66	-67.98	-20.98	-47.00	160	356	Average
5	3285.625	-75.30	7.87	-67.42	-20.42	-47.00	160	184	Average
6	* 3856.750	-76.94	11.17	-65.77	-18.77	-47.00	160	88	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	EIRP_1GHz~18GHz (RX)	Temp. / Humidity	23°C /67%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-470.125MHz	Test Voltage	By Battery

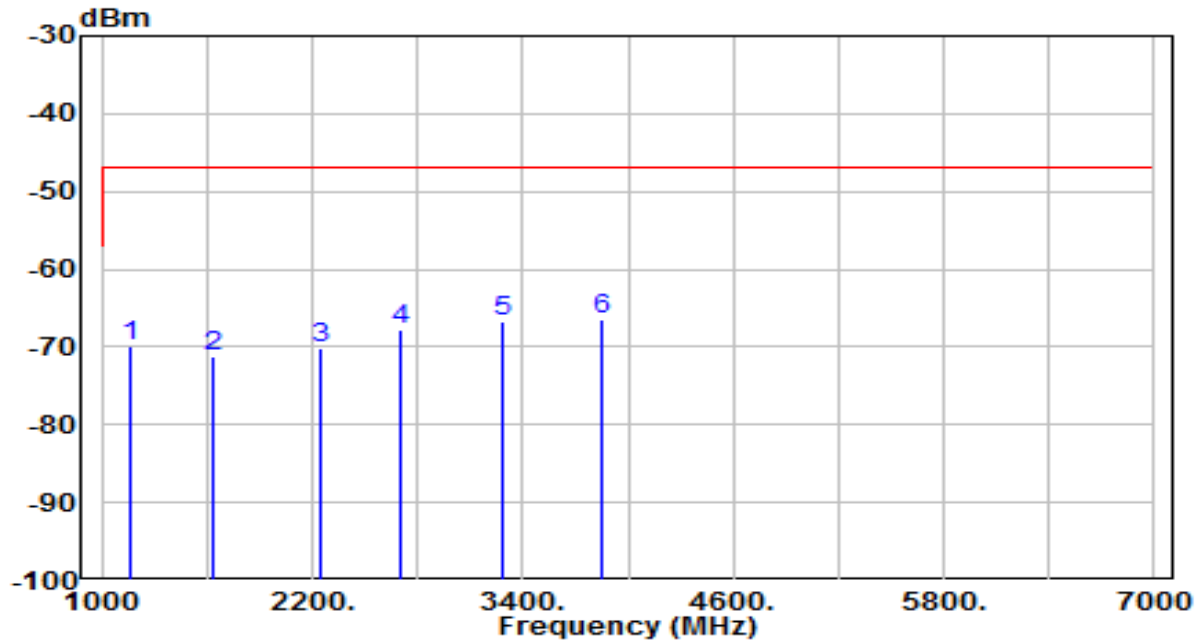


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1122.625	-72.96	1.40	-71.56	-24.56	-47.00	160	96	Average
2	1741.000	-74.44	4.40	-70.04	-23.04	-47.00	160	358	Average
3	2260.000	-75.25	7.93	-67.31	-20.31	-47.00	160	150	Average
4	2758.375	-76.50	8.49	-68.00	-21.00	-47.00	160	277	Average
5	* 3354.250	-75.05	8.48	-66.57	-19.57	-47.00	160	333	Average
6	3889.188	-76.91	10.30	-66.61	-19.61	-47.00	160	121	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	EIRP_1GHz~18GHz (RX)	Temp. / Humidity	23°C /67%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-539MHz	Test Voltage	By Battery

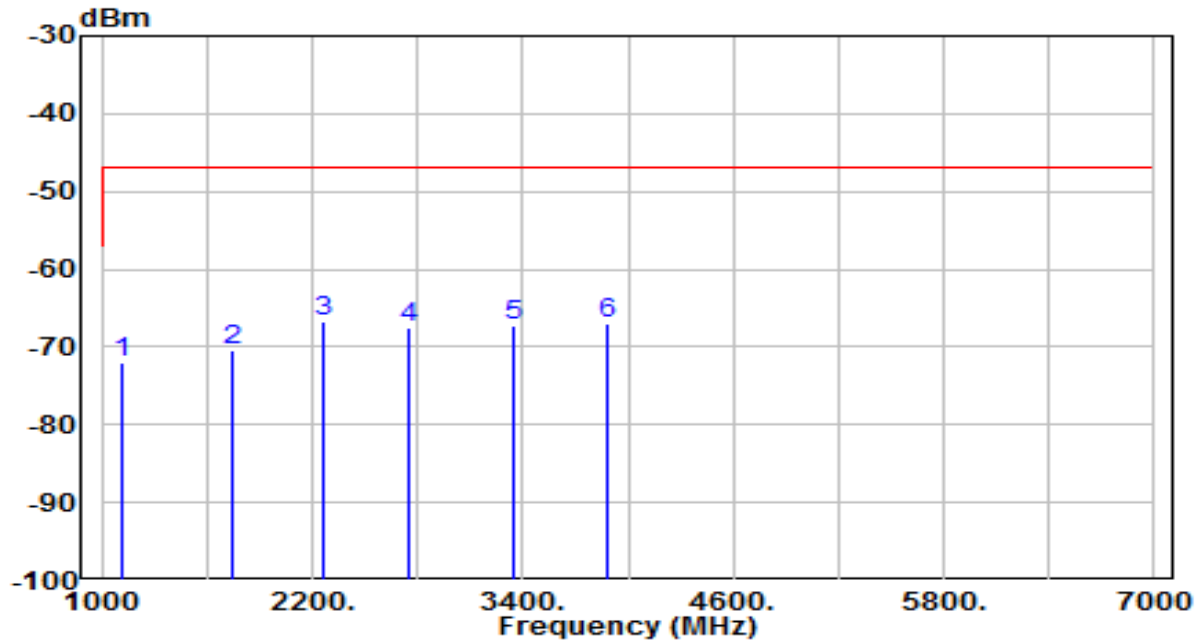


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1167.111	-73.30	3.47	-69.84	-22.84	-47.00	160	180	Average
2	1630.995	-74.29	3.20	-71.09	-24.09	-47.00	160	314	Average
3	2250.117	-76.30	6.23	-70.07	-23.07	-47.00	160	0	Average
4	2703.044	-75.37	7.65	-67.72	-20.72	-47.00	160	356	Average
5	3284.091	-74.65	7.88	-66.77	-19.77	-47.00	160	184	Average
6	* 3858.211	-77.48	11.16	-66.32	-19.32	-47.00	160	88	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	EIRP_1GHz~18GHz (RX)	Temp. / Humidity	23°C /67%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-539MHz	Test Voltage	By Battery

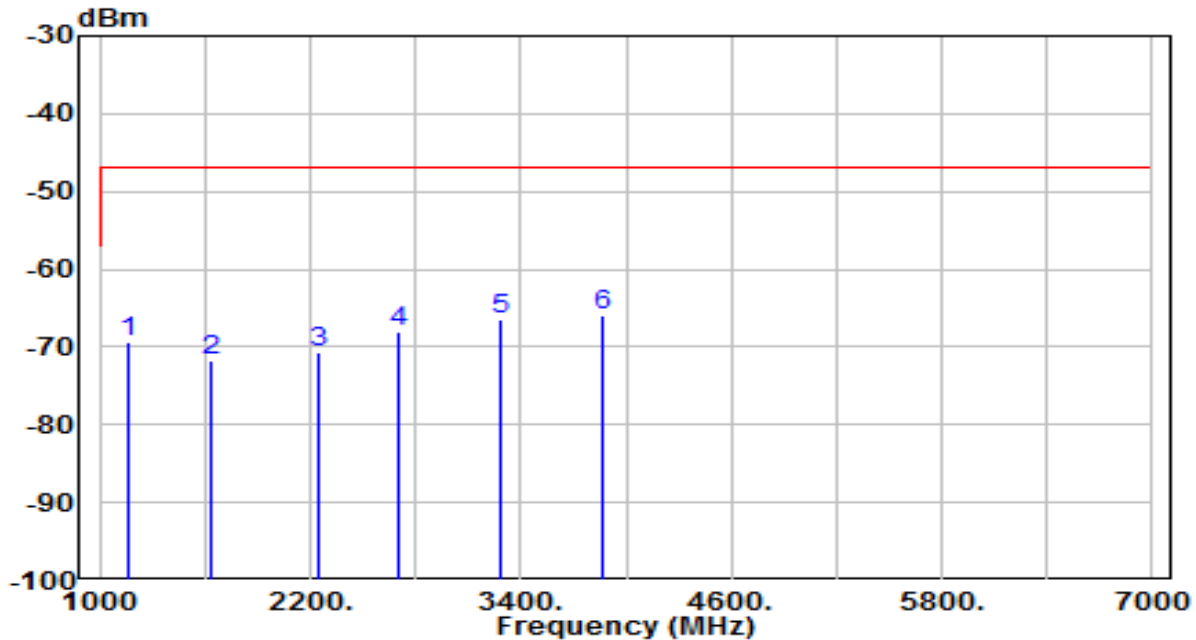


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1121.003	-73.46	1.35	-72.11	-25.11	-47.00	160	96	Average
2	1742.363	-74.82	4.42	-70.40	-23.40	-47.00	160	358	Average
3	* 2261.845	-74.72	7.96	-66.77	-19.77	-47.00	160	150	Average
4	2756.888	-75.93	8.51	-67.42	-20.42	-47.00	160	277	Average
5	3352.316	-75.67	8.47	-67.20	-20.20	-47.00	160	333	Average
6	3887.873	-77.39	10.31	-67.08	-20.08	-47.00	160	121	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	EIRP_1GHz~18GHz (RX)	Temp. / Humidity	23°C /67%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-607.875MHz	Test Voltage	By Battery

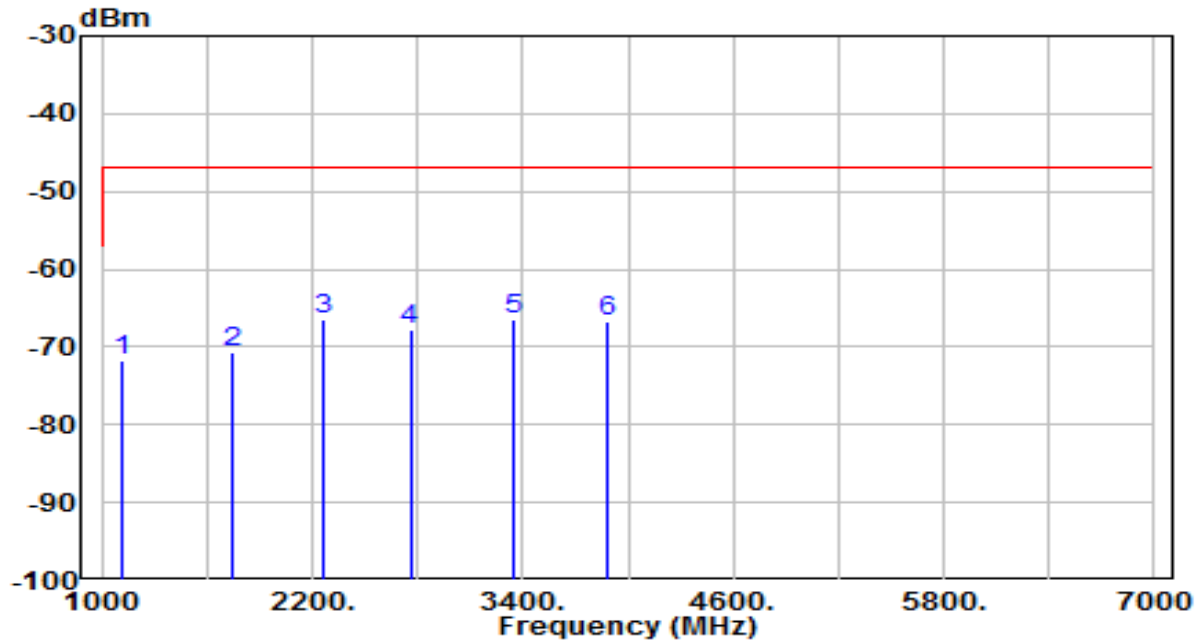


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1168.755	-72.76	3.51	-69.25	-22.25	-47.00	160	180	Average
2	1632.319	-74.80	3.17	-71.63	-24.63	-47.00	160	314	Average
3	2248.592	-76.97	6.23	-70.74	-23.74	-47.00	160	0	Average
4	2704.693	-75.64	7.65	-67.99	-20.99	-47.00	160	356	Average
5	3285.425	-74.38	7.88	-66.51	-19.51	-47.00	160	184	Average
6	* 3859.668	-76.95	11.15	-65.80	-18.80	-47.00	160	88	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Plug-on Transmitter	Date of Test	2025-01-01
Factor	EIRP_1GHz~18GHz (RX)	Temp. / Humidity	23°C /67%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-607.875MHz	Test Voltage	By Battery



No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1118.662	-73.10	1.27	-71.83	-24.83	-47.00	160	96	Average
2	1744.574	-75.20	4.45	-70.75	-23.75	-47.00	160	358	Average
3	* 2263.281	-74.30	7.97	-66.33	-19.33	-47.00	160	150	Average
4	2758.575	-76.33	8.49	-67.84	-20.84	-47.00	160	277	Average
5	3349.804	-75.03	8.46	-66.57	-19.57	-47.00	160	333	Average
6	3889.370	-77.14	10.30	-66.84	-19.84	-47.00	160	121	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBm) = Reading(dBm) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

7.7. AC Conducted Emissions Measurement

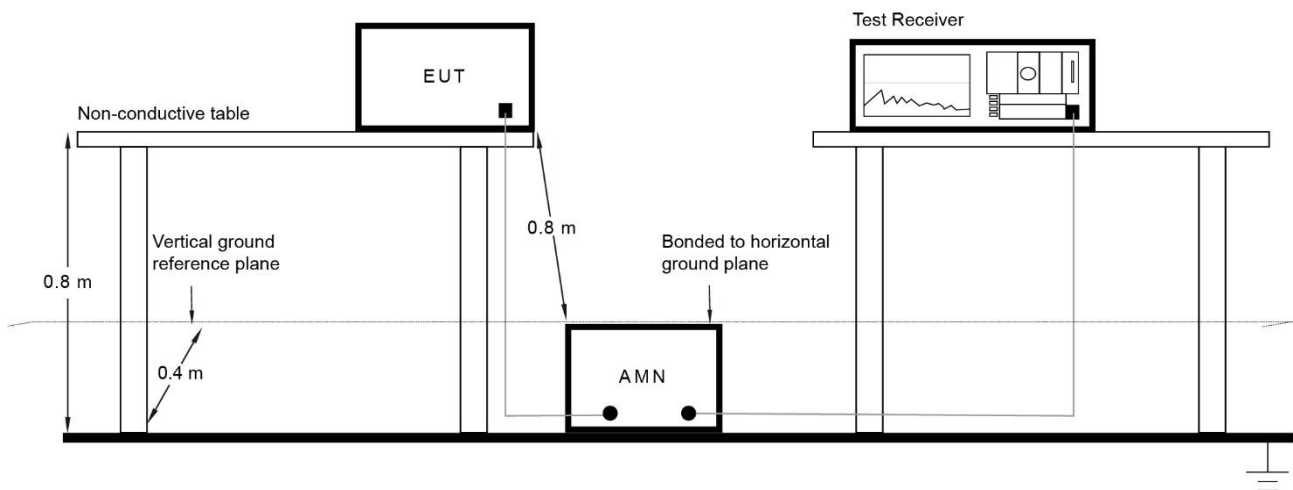
7.7.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dB μ V)	Average (dB μ V)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.7.2. Test Setup



7.7.3. Test Result

Note: The EUT Power by Battery, so do not need to test Conducted Emissions.

Appendix A - Test Setup Photograph

Refer to “2407TWU101-UT” file.

Appendix B : External Photograph

Refer to “2407TWU101-UE” file.

Appendix C : Internal Photograph

Refer to “2407TWU101-UI” file.

_____ The End _____