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Report No.: 2408TWU101-U3
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RF MEASUREMENT REPORT

FCC ID: INGSiem-121T
Applicant: JTS PROFESSIONAL CO., LTD.
Application Type: Certification
Product: In-Ear Monitoring System
Model No.: SIEM-121T
Brand Name: JTS
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: August 30, 2024
Test Date: October 24 ~ November 14, 2024

Tested By : Kaunaz Lee

(Kaunaz Lee)

Reviewed By : Paddy Chen

(Paddy Chen)

Approved By : Chenz Ker

(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.

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Revision History

Report No.	Version	Description	Issue Date	Note
2408TWU101-U3	1.0	Original Report	2024-11-20	

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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
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.

3. PRODUCT INFORMATION

3.1 Product Information

Product Name	In-Ear Monitoring System
Brand Name	JTS
Model No.	SIEM-121T
Accessory	
Power Adapter	Brand Name: TUV Model: JOD-S-120050GS-C-2 Input: AC 100-240V~0.2A, 50-60Hz Output: 12.0V=0.5A, 6.0W DC Cable Out Non-Shielding, 1.5m

3.2 Radio Specification under Test

Frequency Range	470 ~ 608 MHz
Declared Power Level	10mW
Type of Modulation	FM
Channel Spacing	250kHz
Antenna Type	Dipole Antenna
Antenna Gain	Frequency Range: 470 ~ 530MHz / Manufacturer: Invax / Part No.: AN0500-13M01BBN / 0.80dBi Frequency Range: 533 ~ 608MHz / Manufacturer: Invax / Part No.: AN0570-13M01BBN / 1.50dBi

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”, 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 2.2.1

4.4. Test Environment Condition

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

5. Measuring Instrument

Conducted Emissions - SR2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR3	MRTTWA00045	1 year	2025/5/14
Two-Line V-Network	R&S	ENV216	MRTTWA00019	1 year	2025/3/5
Two-Line V-Network	R&S	ENV216	MRTTWA00020	1 year	2025/4/21

Radiated Emissions – AC1

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Broadband TRILOG Antenna	Schwarzbeck	VULB 9162	MRTTWA00001	1 year	2025/11/5
Broadband Horn antenna	Schwarzbeck	BBHA 9120D	MRTTWA00003	1 year	2025/2/28
Broadband Preamplifier	Schwarzbeck	BBV 9718	MRTTWA00005	1 year	2025/2/28
Breitband Hornantenna	Schwarzbeck	BBHA 9170	MRTTWA00004	1 year	2025/3/26
Broadband Amplifier	Schwarzbeck	BBV 9721	MRTTWA00006	1 year	2025/3/21
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2025/3/5
Signal Analyzer	R&S	FSV40	MRTTWA00007	1 year	2025/3/14

Conducted Test Equipment – SR6/SR3

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	2025/3/12
Programmable Temperature & Humidity Chamber	TEN BILLION	TTH-B3UP	MRTTWA00036	1 year	2025/6/6

Test Software

Software	Version	Function
e3	9.160520a	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	Pass

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.

7.2. 99% Occupied Bandwidth Measurement

7.2.1. Test Limit

The operating bandwidth shall not exceed 200 kHz.

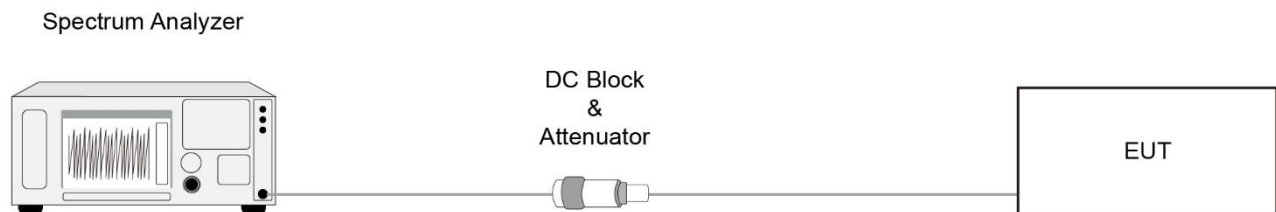
7.2.2. Test Procedure

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	2024-11-01		

Mode	Frequency (MHz)	99% Bandwidth (kHz)	Limit (kHz)	Result
TX	470.125	42.486	< 200	Pass
	539.000	41.077	< 200	Pass
	607.875	40.740	< 200	Pass



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:

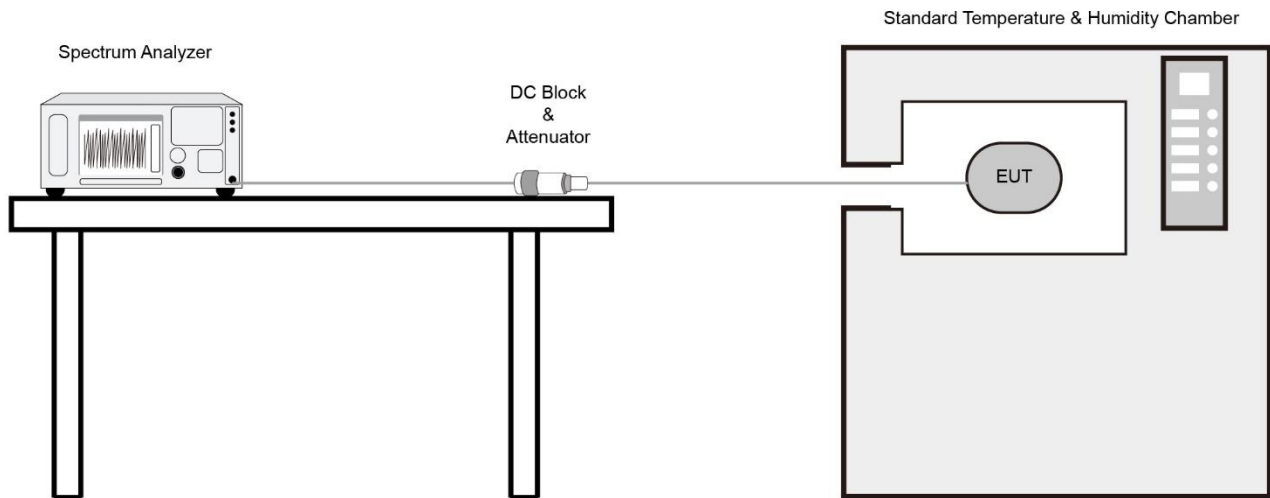
The equipment under test was connected to an external DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired 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	2024-11-14	Test Mode	470.125MHz

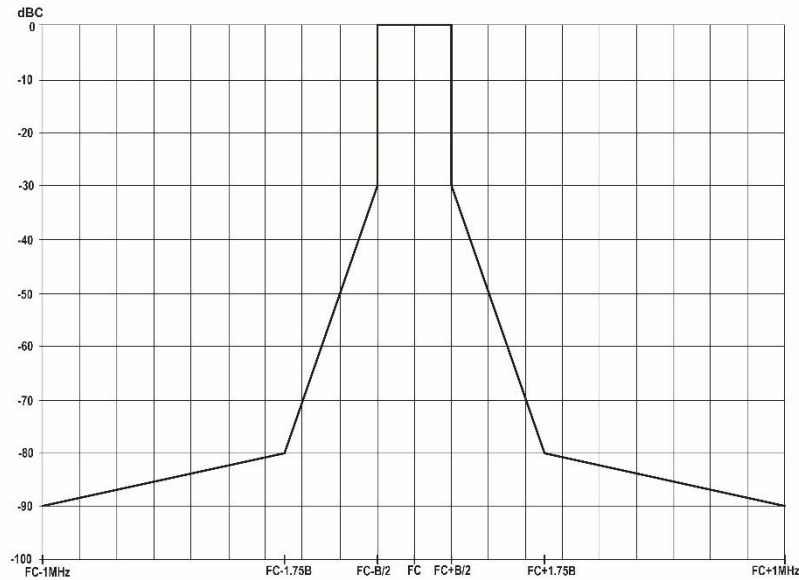
Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	AC 120V/60Hz	- 10	-2.92	-3.19	-3.46	-3.46
		0	-3.19	-2.13	-1.60	-1.38
		+ 10	-0.80	-0.80	-0.80	-0.80
		+ 20	-1.06	-1.06	-1.06	-1.06
		+ 30	-2.39	-2.66	-2.66	-2.66
		+ 40	-3.99	-3.72	-3.72	-3.99
		+ 50	-5.05	-5.58	-5.58	-5.58
115%	AC 138V/60Hz	+ 20	-6.38	-6.91	-6.91	-7.18
85%	AC 102V/60Hz	+ 20	-2.66	-2.66	-2.66	-2.66

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 V2.2.1 clause 4.2.4.2, the transmitter output spectrum shall be within the mask defined as below figure.



7.4.2. Test Procedure

ETSI EN 300 422-1 V2.2.1 clause 4.2.4.2.

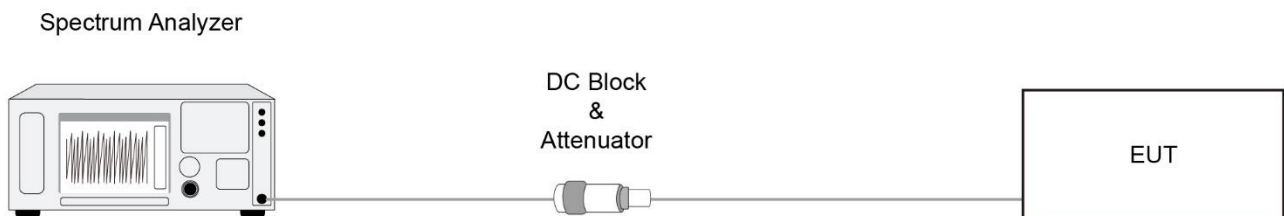
7.4.3. Test Setting

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.

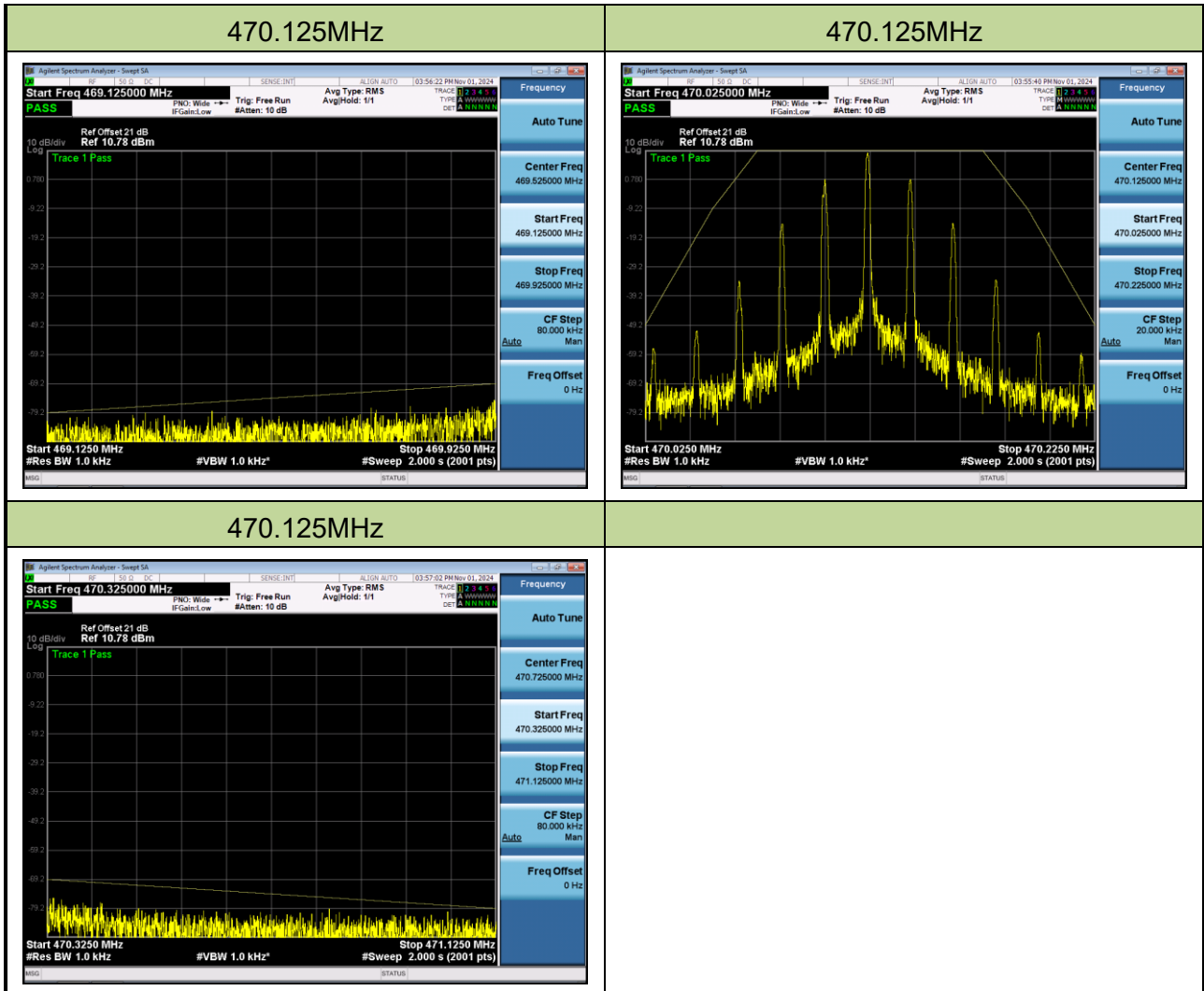
Only bottom and top channel is required, at an output power level of 10mW.

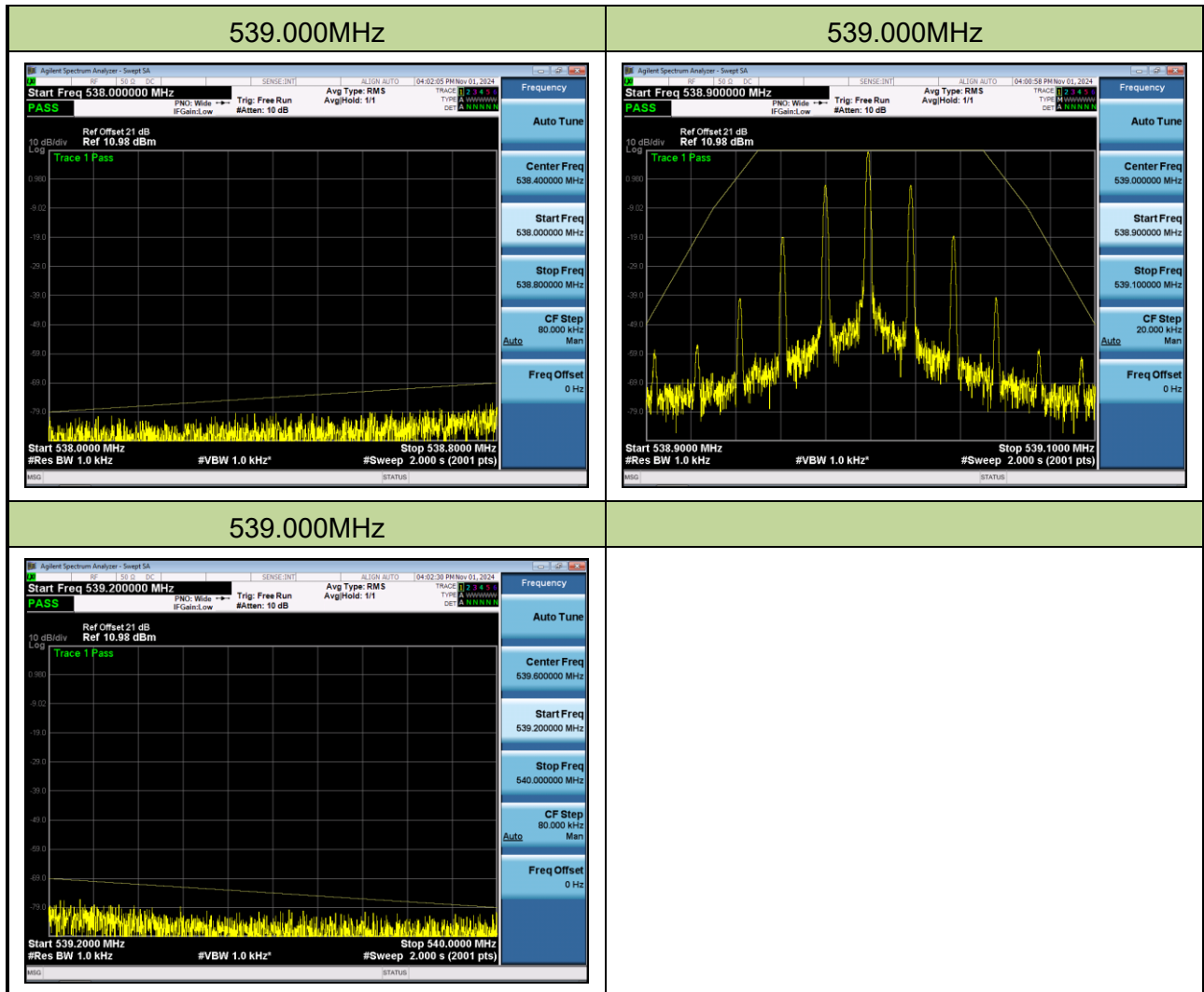
7.4.4. Test Setup



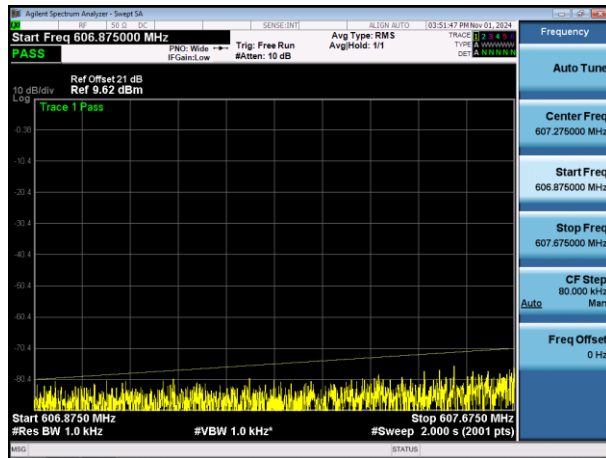
7.4.5. Test Result

Test Site	SR6	Test Engineer	Fran
Test Date	2024-11-01		

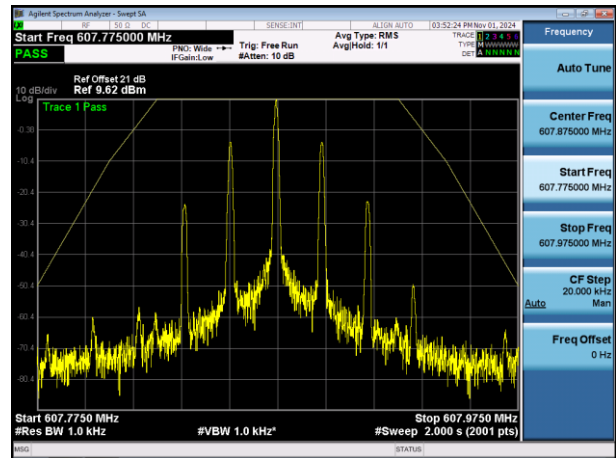




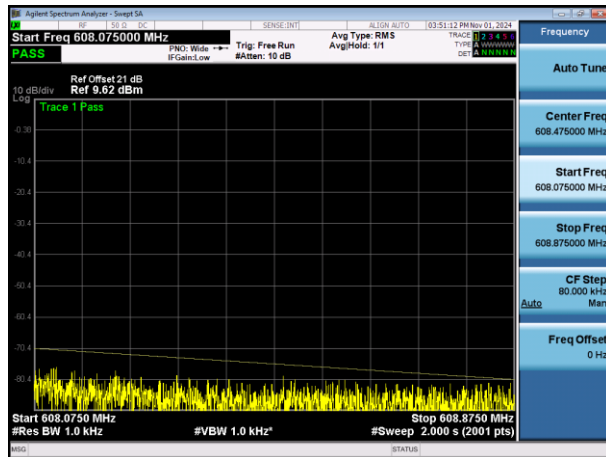
607.875MHz



607.875MHz



607.875MHz



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

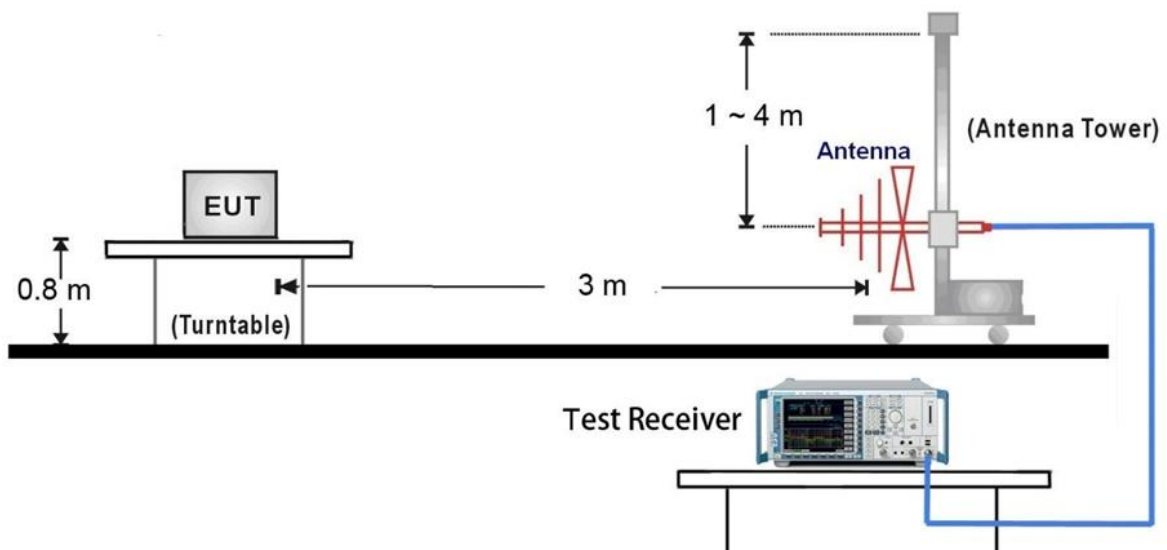
Emissions shall be investigated up to the 10th harmonic of the fundamental.

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.

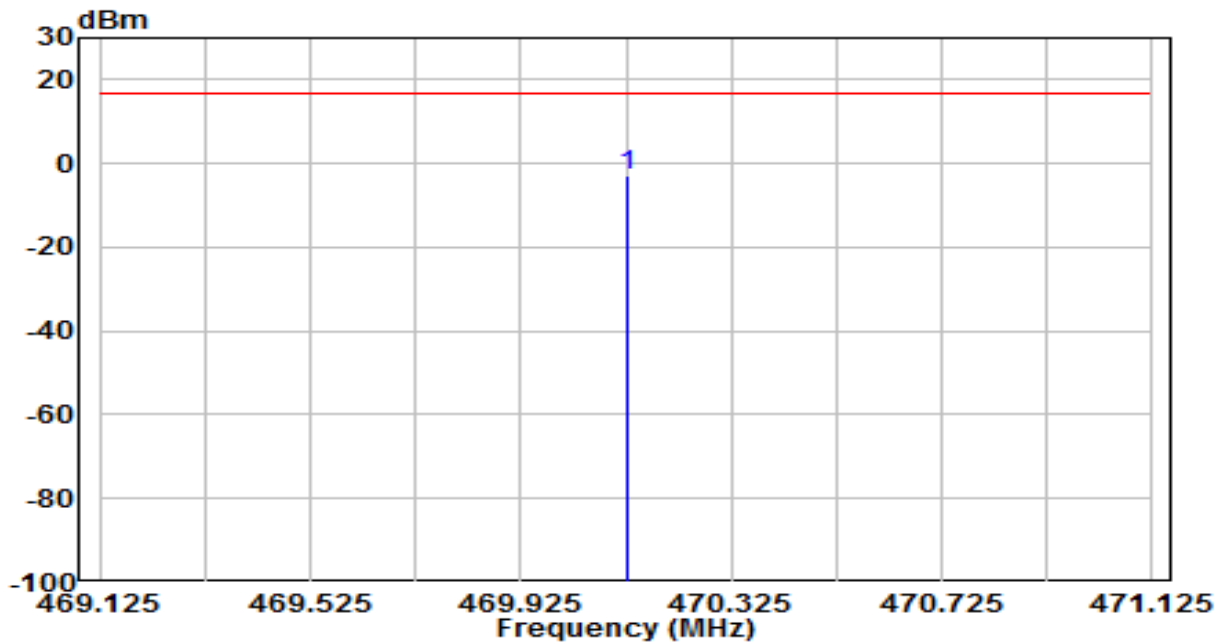
at each frequency at which a component is detected, the sample shall be rotated to obtain maximum response and the effective radiated power of that component determined by a substitution measurement.

7.5.4. Test Setup



7.5.5. Test Result

EUT	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	26°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-470.125MHz	Test Voltage	AC 120V/60Hz

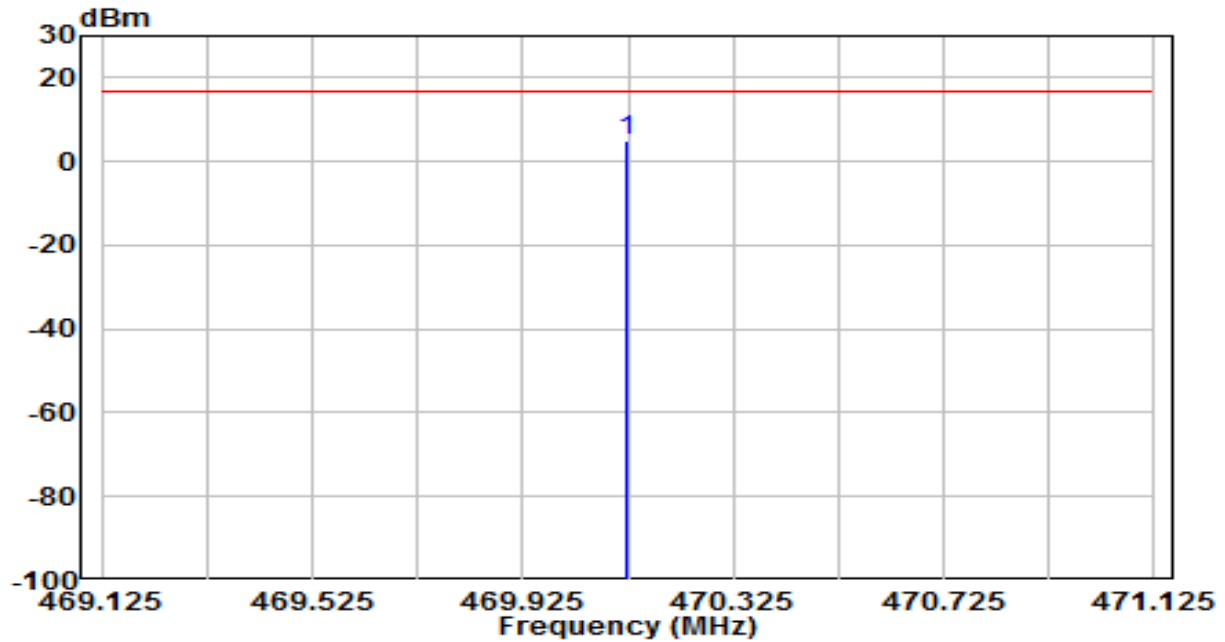


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	470.127	-27.02	24.21	-2.81	-19.81	17.00	103	101	Average

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	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	26°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-470.125MHz	Test Voltage	AC 120V/60Hz

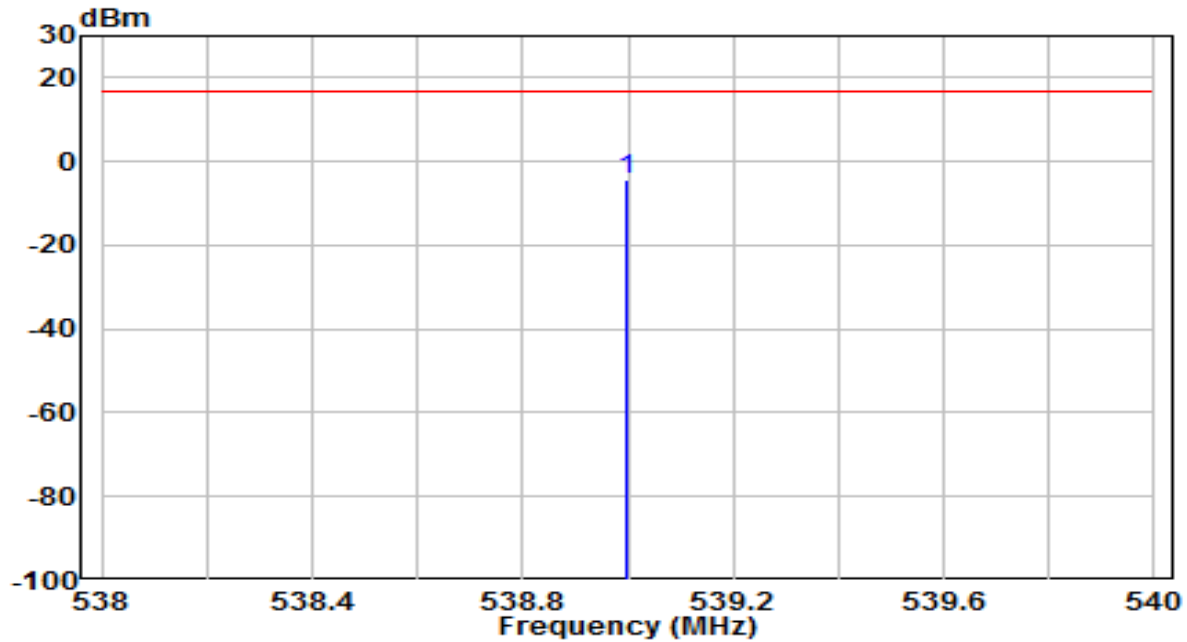


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	470.121	-20.82	26.02	5.20	-11.80	17.00	133	210	Average

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	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	26°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-539MHz	Test Voltage	AC 120V/60Hz

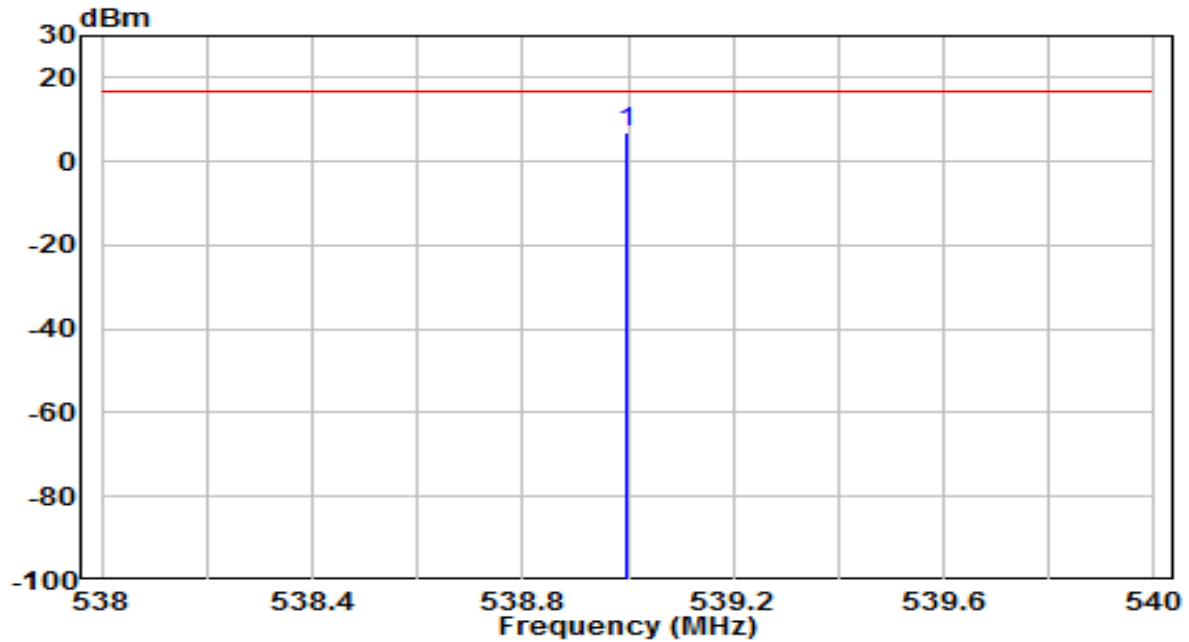


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	538.998	-30.13	25.61	-4.52	-21.52	17.00	156	113	Average

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	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	26°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-539MHz	Test Voltage	AC 120V/60Hz

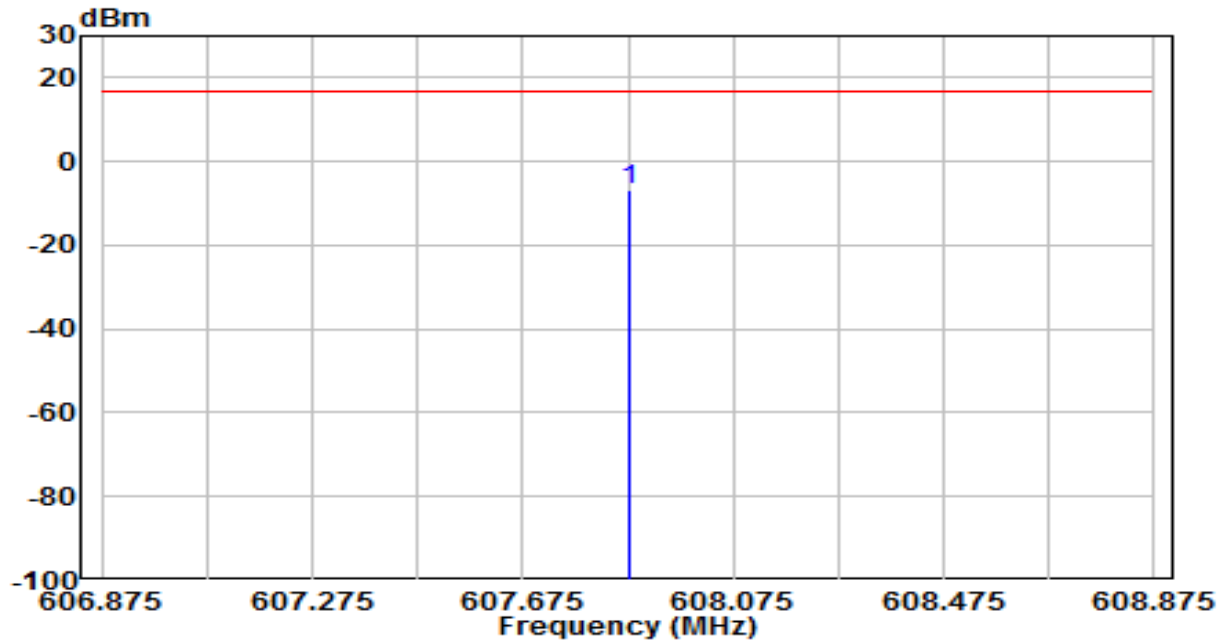


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	538.996	-20.02	26.96	6.94	-10.06	17.00	163	49	Average

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	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	26°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-607.875MHz	Test Voltage	AC 120V/60Hz

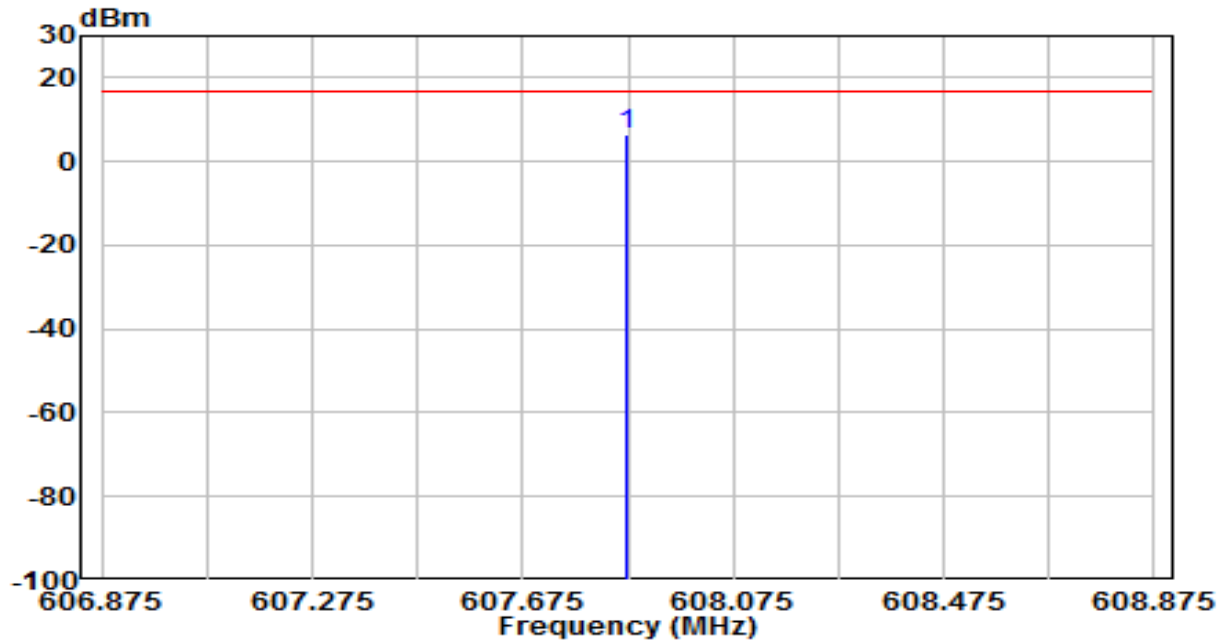


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	607.877	-33.14	26.28	-6.86	-23.86	17.00	174	242	Average

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	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	26°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-607.875MHz	Test Voltage	AC 120V/60Hz



No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	607.873	-21.82	28.30	6.47	-10.53	17.00	151	169	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 4.2.4.1.2 of ETSI EN 300 422-1 V2.2.1.

Frequency range	Maximum power	RBW
9 kHz - 150 kHz	-36 dBm	1 kHz
150 kHz - 30 MHz	-36 dBm	10 kHz
30 MHz - 1 GHz	-36 dBm	$F_c + 2.5 B \leq f \leq f_c + 4 B$: 1 kHz $F_c + 4 B < f \leq f_c + 10 B$: 10 kHz $f > f_c + 10 B$: 100 kHz $f < f_c - 10 B$: 100 kHz $f_c - 10 B \leq f < f_c - 4 B$: 10 kHz $f_c - 4 B \leq f \leq f_c - 2.5 B$: 1 kHz
except:		
47 MHz - 74 MHz 87.5 MHz - 118 MHz	-54 dBm	100 kHz
174 MHz - 230 MHz 470 MHz - 862 MHz	-54 dBm	$F_c + 2.5 B \leq f \leq f_c + 4 B$: 1 kHz $F_c + 4 B < f \leq f_c + 10 B$: 10 kHz $f > f_c + 10 B$: 100 kHz $f < f_c - 10 B$: 100 kHz $f_c - 10 B \leq f < f_c - 4 B$: 10 kHz $f_c - 4 B \leq f \leq f_c - 2.5 B$: 1 kHz
$1 \text{ GHz} < f \leq F_{\text{upper}}$	-30 dBm	$F_c + 2.5 B \leq f \leq f_c + 10 B$: 30 kHz $F_c + 10 B < f \leq f_c + 12 B$: 300 kHz $f > f_c + 12 B$: 1 MHz $f < f_c - 12 B$: 1 MHz $f_c - 12 B \leq f < f_c - 10 B$: 300 kHz $f_c - 10 B \leq f \leq f_c - 2.5 B$: 30 kHz

7.6.2. Test Procedure

ETSI EN 300 422-1 V2.2.1 clause 4.2.4.1.2

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.

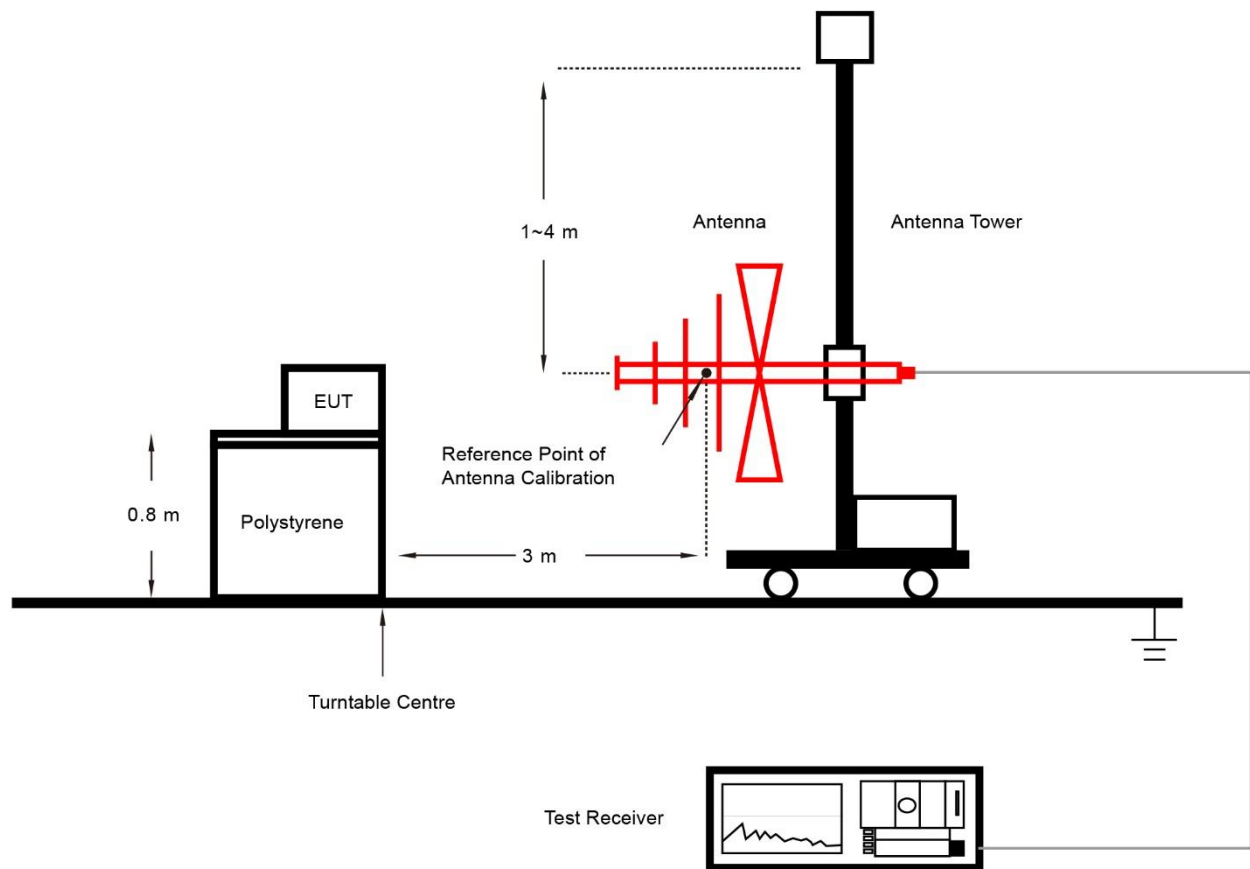
All the emissions shall be demonstrated using a QP detector below 1 GHz and an RMS Average detector above 1 GHz.

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

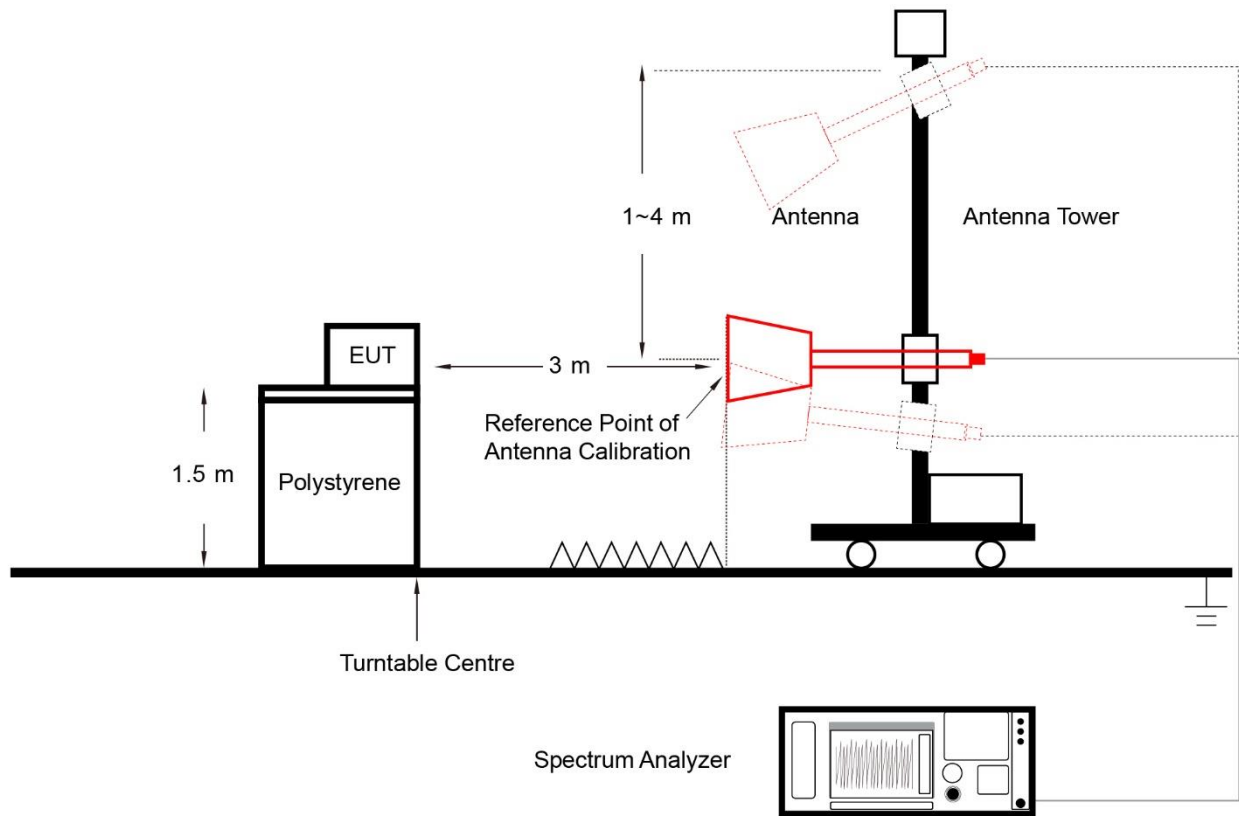
at each frequency at which a component is detected, the sample shall be rotated to obtain maximum response and the effective radiated power of that component determined by a substitution measurement.

7.6.4. Test Setup

Below 1GHz Test Setup:

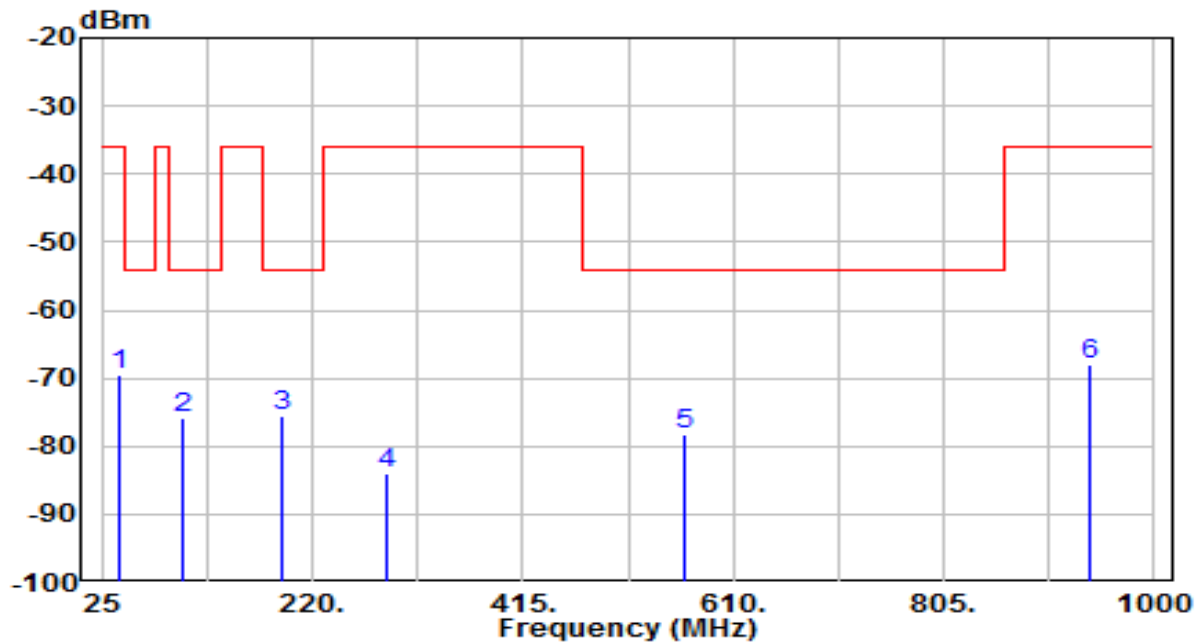


Above 1GHz Test Setup:



7.6.5. Test Result

EUT	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	26°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-470.125MHz	Test Voltage	AC 120V/60Hz

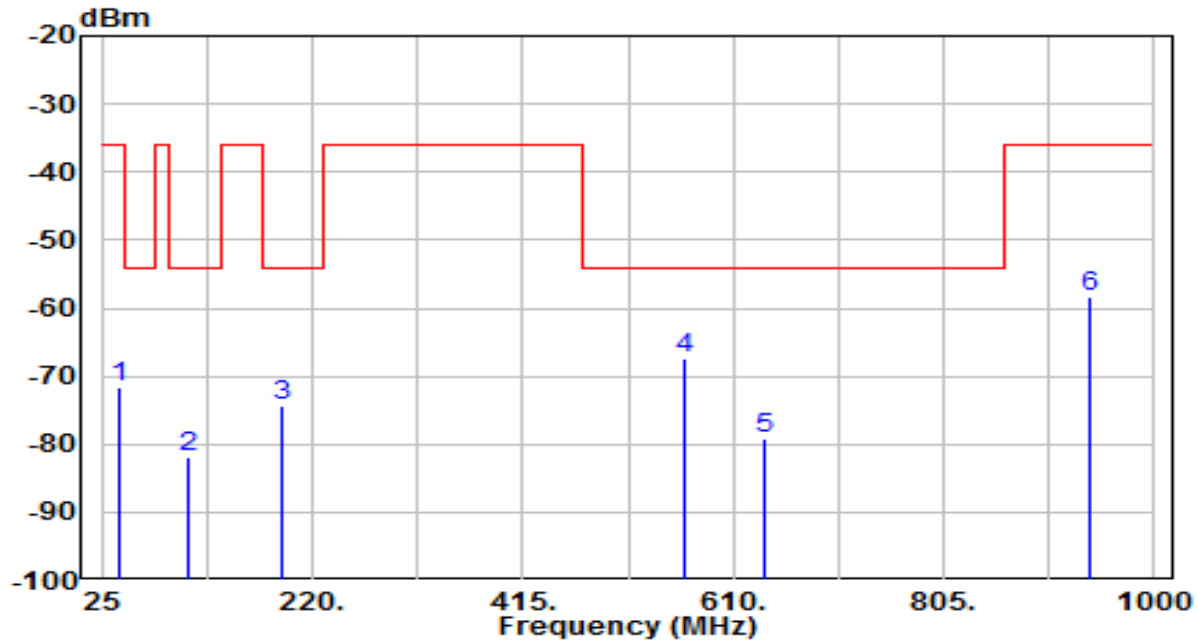


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	40.600	-94.35	24.83	-69.52	-33.52	-36.00	160	258	Average
2	99.100	-94.49	18.74	-75.75	-21.75	-54.00	160	86	Average
3	* 191.725	-92.54	17.09	-75.45	-21.45	-54.00	160	113	Average
4	288.250	-105.13	21.20	-83.93	-47.93	-36.00	160	296	Average
5	566.125	-104.31	26.02	-78.28	-24.28	-54.00	160	135	Average
6	940.525	-99.17	31.19	-67.98	-31.98	-36.00	160	131	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	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	26°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-470.125MHz	Test Voltage	AC 120V/60Hz

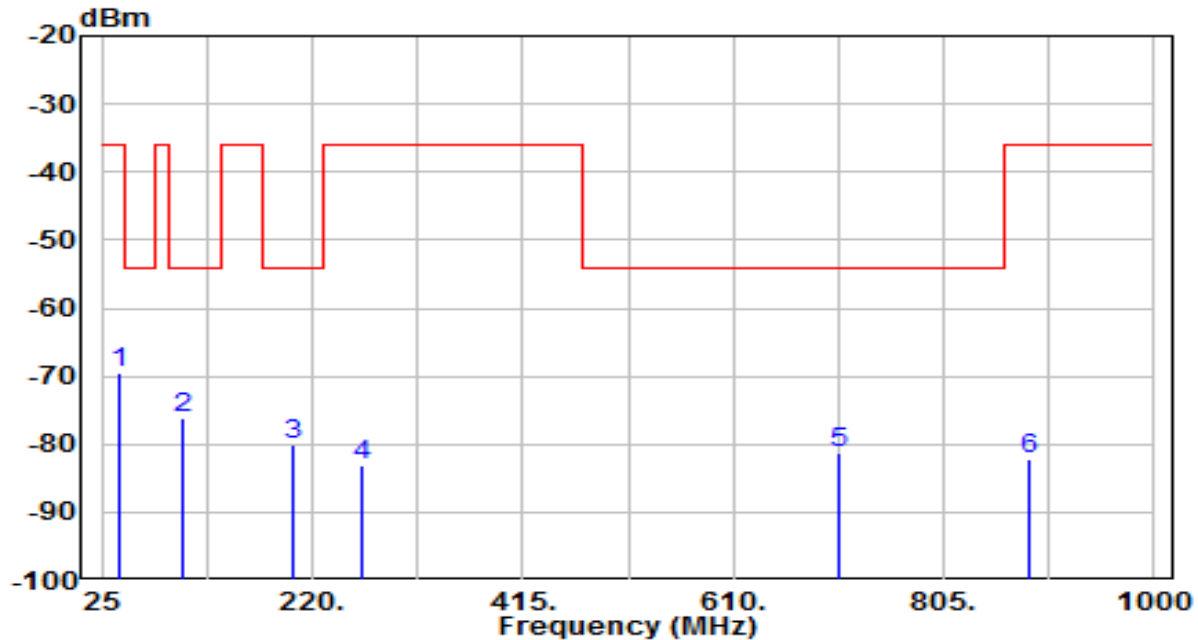


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	40.600	-88.99	17.27	-71.72	-35.72	-36.00	160	344	Average
2	105.925	-103.90	22.02	-81.88	-27.88	-54.00	160	13	Average
3	191.725	-94.57	20.33	-74.24	-20.24	-54.00	160	89	Average
4	* 566.125	-95.23	27.77	-67.46	-13.46	-54.00	160	122	Average
5	638.275	-107.93	28.72	-79.21	-25.21	-54.00	160	231	Average
6	940.525	-90.65	32.18	-58.47	-22.47	-36.00	160	208	Average

Note:

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

EUT	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	26°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-539MHz	Test Voltage	AC 120V/60Hz

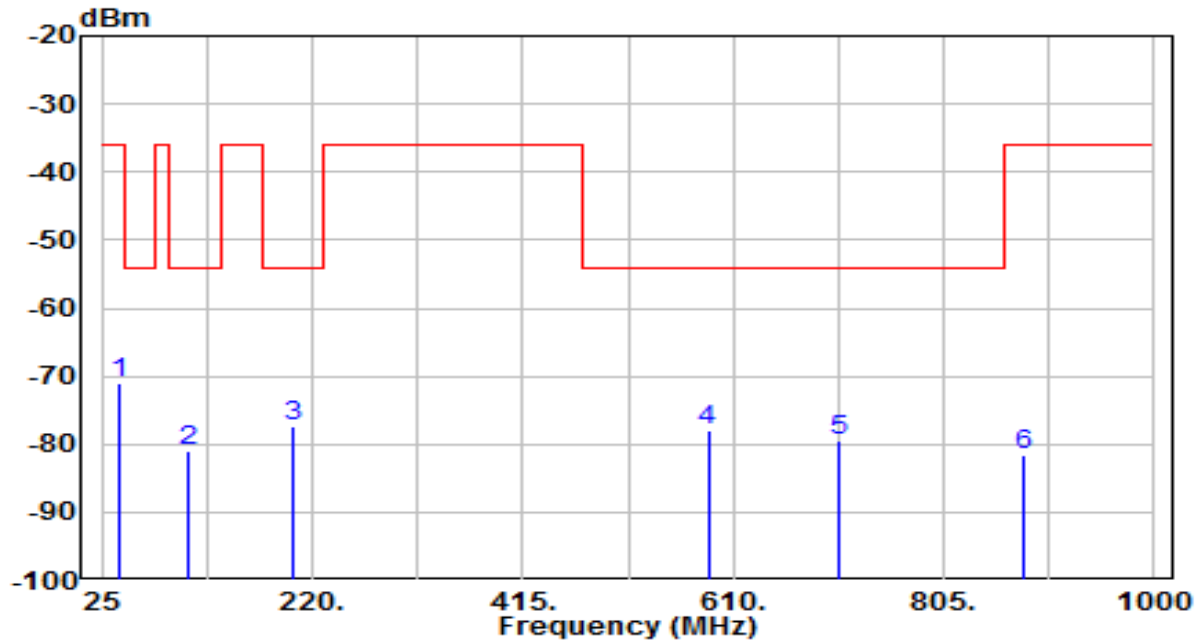


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	41.575	-94.41	24.76	-69.65	-33.65	-36.00	160	260	Average
2	* 99.100	-94.84	18.74	-76.10	-22.10	-54.00	160	74	Average
3	201.475	-98.31	18.30	-80.01	-26.01	-54.00	160	113	Average
4	265.825	-103.94	20.92	-83.02	-47.02	-36.00	160	186	Average
5	707.500	-108.95	27.75	-81.20	-27.20	-54.00	160	130	Average
6	883.975	-112.83	30.66	-82.17	-46.17	-36.00	160	214	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	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	26°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-539MHz	Test Voltage	AC 120V/60Hz

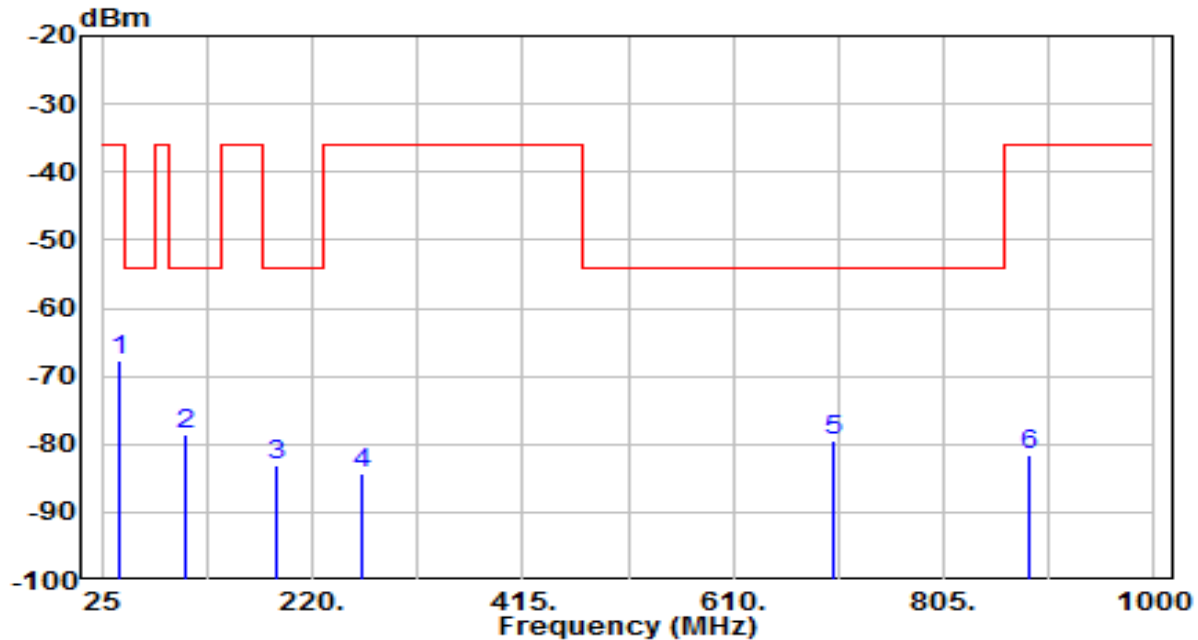


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	40.600	-88.25	17.27	-70.98	-34.98	-36.00	160	340	Average
2	104.950	-103.83	22.76	-81.07	-27.07	-54.00	160	5	Average
3	* 201.475	-97.45	20.20	-77.25	-23.25	-54.00	160	54	Average
4	586.600	-106.33	28.41	-77.91	-23.91	-54.00	160	155	Average
5	707.500	-108.92	29.59	-79.33	-25.33	-54.00	160	40	Average
6	878.125	-113.75	32.15	-81.60	-45.60	-36.00	160	252	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	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	26°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-607.875MHz	Test Voltage	AC 120V/60Hz

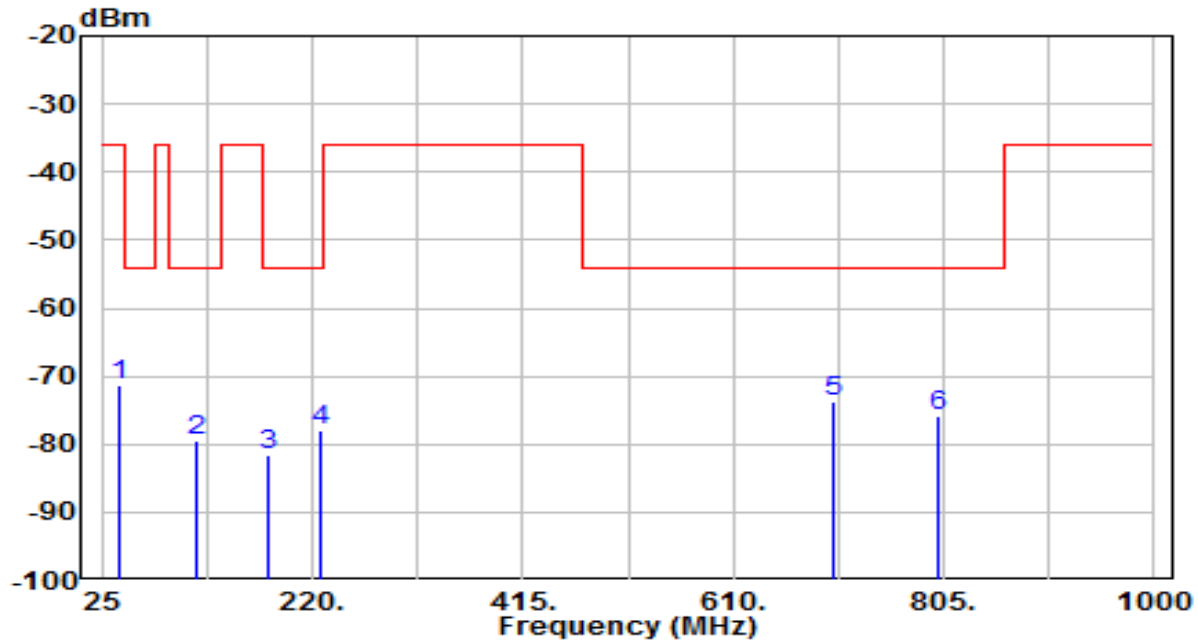


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	41.575	-92.37	24.76	-67.61	-31.61	-36.00	160	244	Average
2	* 102.025	-96.40	17.79	-78.61	-24.61	-54.00	160	279	Average
3	185.875	-99.99	16.83	-83.16	-29.16	-54.00	160	322	Average
4	265.825	-105.19	20.92	-84.27	-48.27	-36.00	160	191	Average
5	703.600	-107.26	27.76	-79.50	-25.50	-54.00	160	248	Average
6	883.975	-112.17	30.66	-81.51	-45.51	-36.00	160	258	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	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (TX)	Temp. / Humidity	26°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-607.875MHz	Test Voltage	AC 120V/60Hz

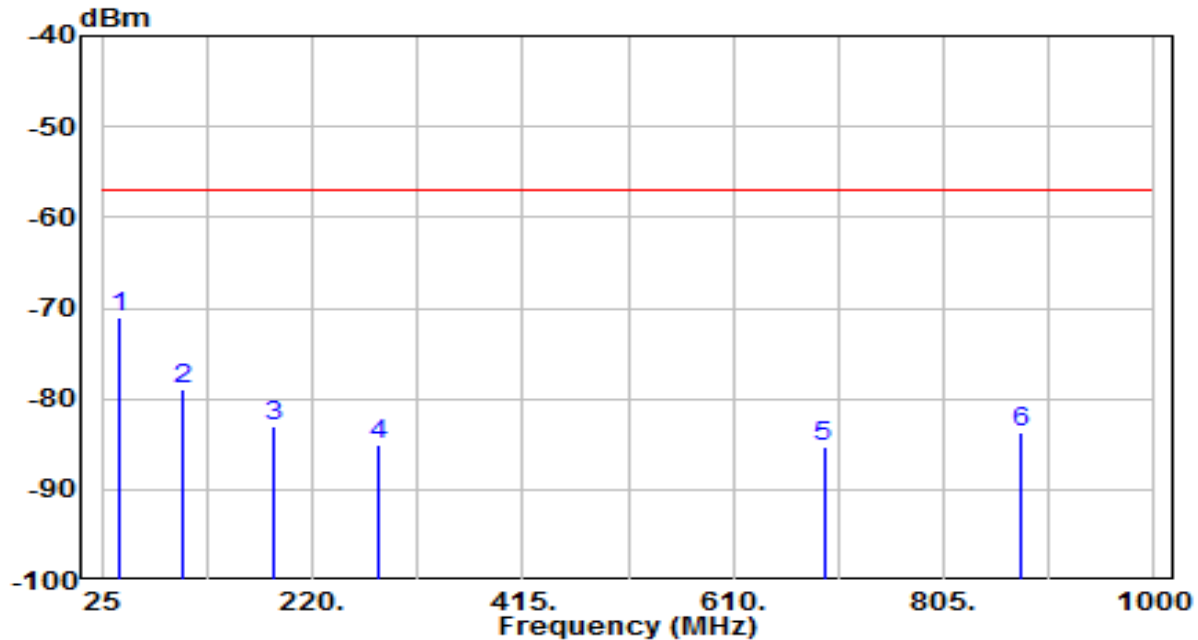


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	41.575	-88.84	17.53	-71.30	-35.30	-36.00	160	18	Average
2	111.775	-100.86	21.46	-79.40	-25.40	-54.00	160	241	Average
3	178.075	-101.38	19.94	-81.44	-27.44	-54.00	160	318	Average
4	227.800	-98.42	20.34	-78.08	-24.08	-54.00	160	50	Average
5	* 703.600	-103.32	29.58	-73.74	-19.74	-54.00	160	66	Average
6	800.125	-106.36	30.47	-75.89	-21.89	-54.00	160	36	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	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (RX)	Temp. / Humidity	26°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-470.125MHz	Test Voltage	AC 120V/60Hz

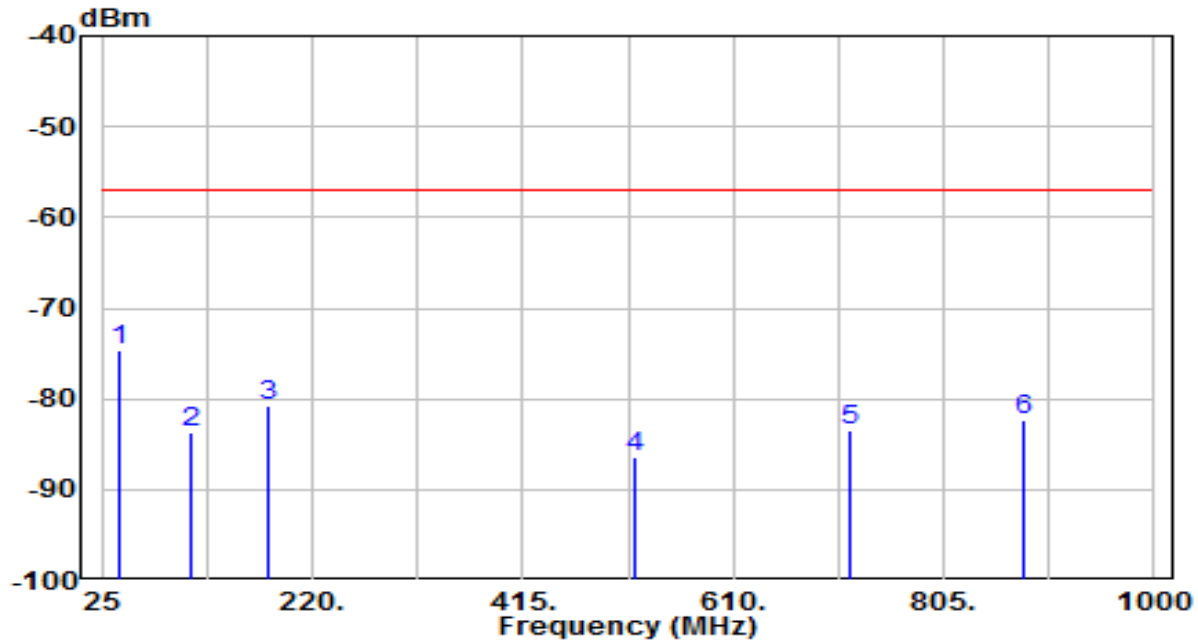


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	40.600	-95.55	24.44	-71.11	-14.11	-57.00	160	234	Average
2		101.050	-96.94	17.90	-79.03	-22.03	-57.00	160	259	Average
3		183.925	-99.74	16.83	-82.91	-25.91	-57.00	160	329	Average
4		282.400	-105.57	20.53	-85.04	-28.04	-57.00	160	296	Average
5		693.850	-112.82	27.46	-85.36	-28.36	-57.00	160	269	Average
6		876.175	-113.62	29.87	-83.76	-26.76	-57.00	160	72	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	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (RX)	Temp. / Humidity	26°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-470.125MHz	Test Voltage	AC 120V/60Hz

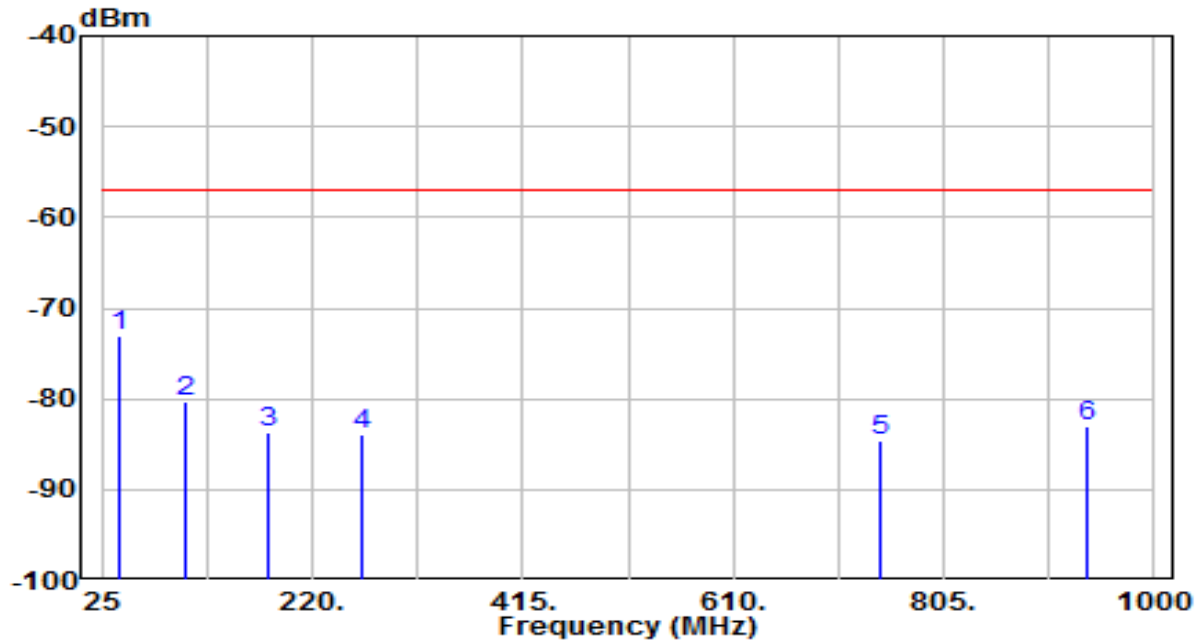


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	40.600	-91.45	16.81	-74.64	-17.64	-57.00	160	337	Average
2		106.900	-105.19	21.57	-83.62	-26.62	-57.00	160	359	Average
3		179.050	-100.71	19.93	-80.79	-23.79	-57.00	160	288	Average
4		518.350	-113.41	27.09	-86.33	-29.33	-57.00	160	105	Average
5		718.225	-113.05	29.56	-83.49	-26.49	-57.00	160	283	Average
6		880.075	-113.67	31.42	-82.25	-25.25	-57.00	160	308	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	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (RX)	Temp. / Humidity	26°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-539MHz	Test Voltage	AC 120V/60Hz

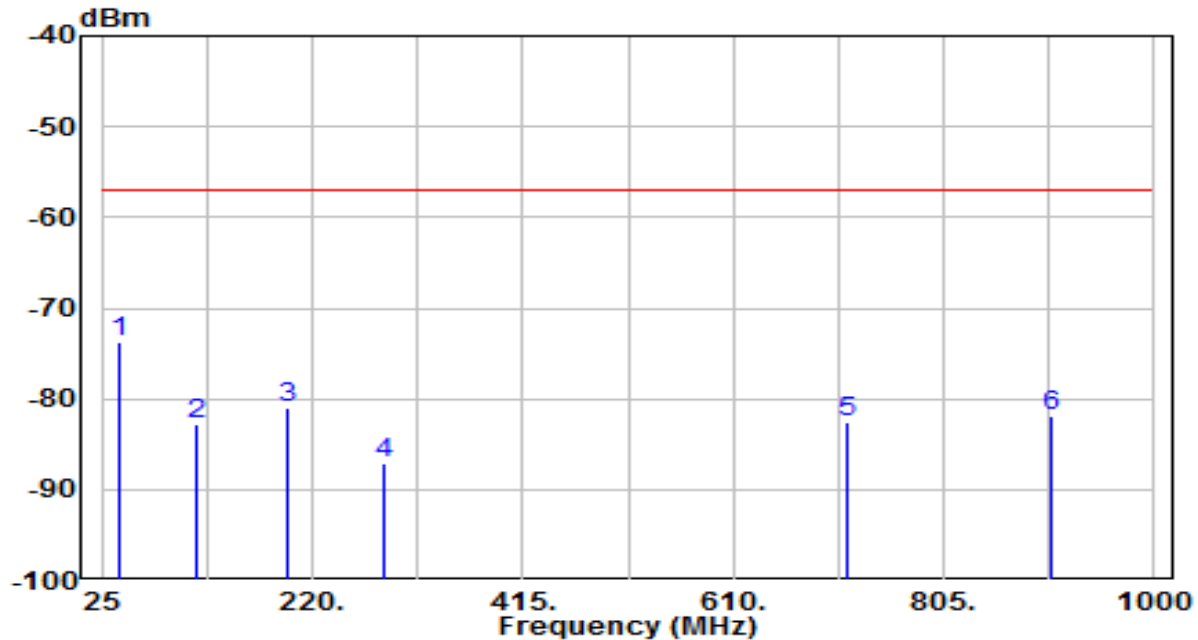


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	40.600	-97.41	24.44	-72.97	-15.97	-57.00	160	191	Average
2		102.025	-97.88	17.51	-80.37	-23.37	-57.00	160	70	Average
3		178.075	-99.97	16.28	-83.69	-26.69	-57.00	160	322	Average
4		266.800	-104.50	20.61	-83.89	-26.89	-57.00	160	199	Average
5		746.500	-112.96	28.37	-84.58	-27.58	-57.00	160	349	Average
6		937.600	-113.48	30.42	-83.06	-26.06	-57.00	160	299	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	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (RX)	Temp. / Humidity	26°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-539MHz	Test Voltage	AC 120V/60Hz

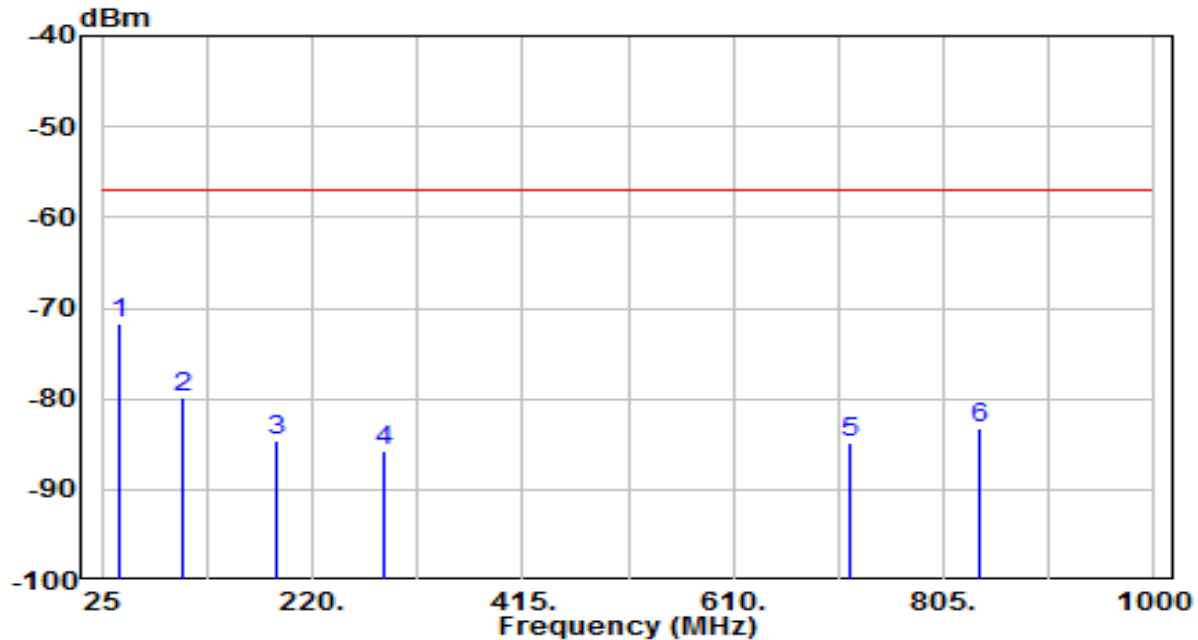


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	40.600	-90.58	16.81	-73.78	-16.78	-57.00	160	348	Average
2		112.750	-104.31	21.42	-82.90	-25.90	-57.00	160	240	Average
3		197.575	-101.64	20.63	-81.01	-24.01	-57.00	160	307	Average
4		285.325	-109.10	21.91	-87.19	-30.19	-57.00	160	8	Average
5		715.300	-112.13	29.53	-82.60	-25.60	-57.00	160	94	Average
6		903.475	-113.60	31.67	-81.93	-24.93	-57.00	160	305	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	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (RX)	Temp. / Humidity	26°C /69%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-607.875MHz	Test Voltage	AC 120V/60Hz

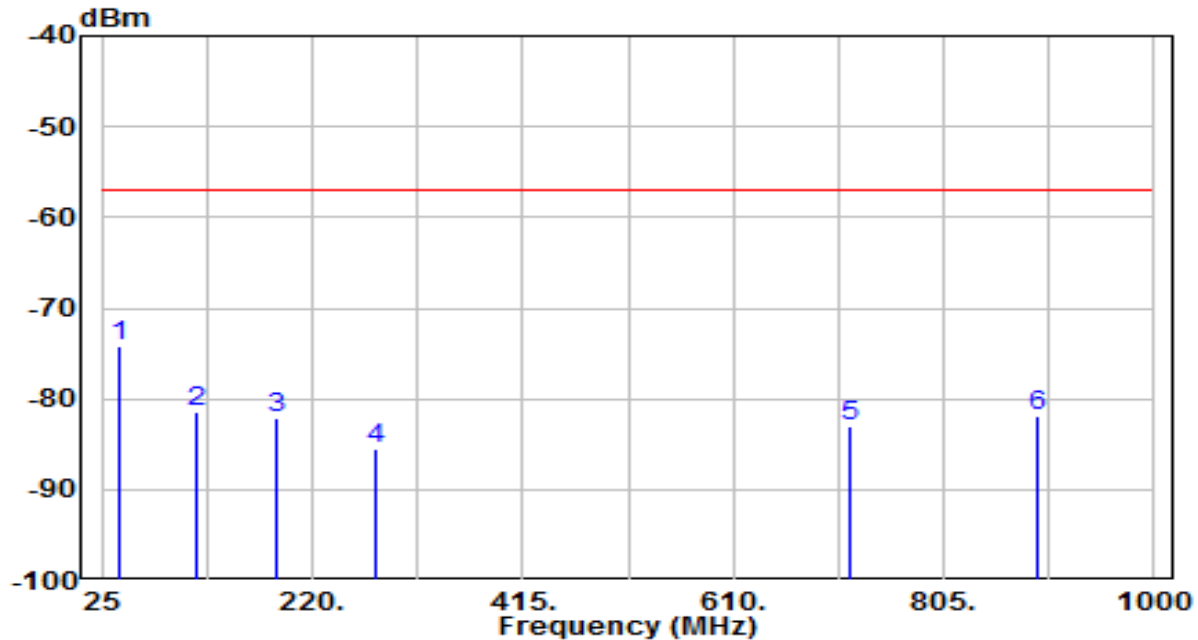


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	41.575	-96.13	24.34	-71.78	-14.78	-57.00	160	224	Average
2		101.050	-97.72	17.90	-79.82	-22.82	-57.00	160	63	Average
3		186.850	-101.61	16.94	-84.68	-27.68	-57.00	160	317	Average
4		286.300	-106.44	20.75	-85.69	-28.69	-57.00	160	282	Average
5		717.250	-112.65	27.72	-84.93	-27.93	-57.00	160	329	Average
6		837.175	-112.84	29.56	-83.28	-26.28	-57.00	160	241	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	In-Ear Monitoring System	Date of Test	2024-11-02
Factor	ERP_25MHz~1GHz (RX)	Temp. / Humidity	26°C /69%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-607.875MHz	Test Voltage	AC 120V/60Hz

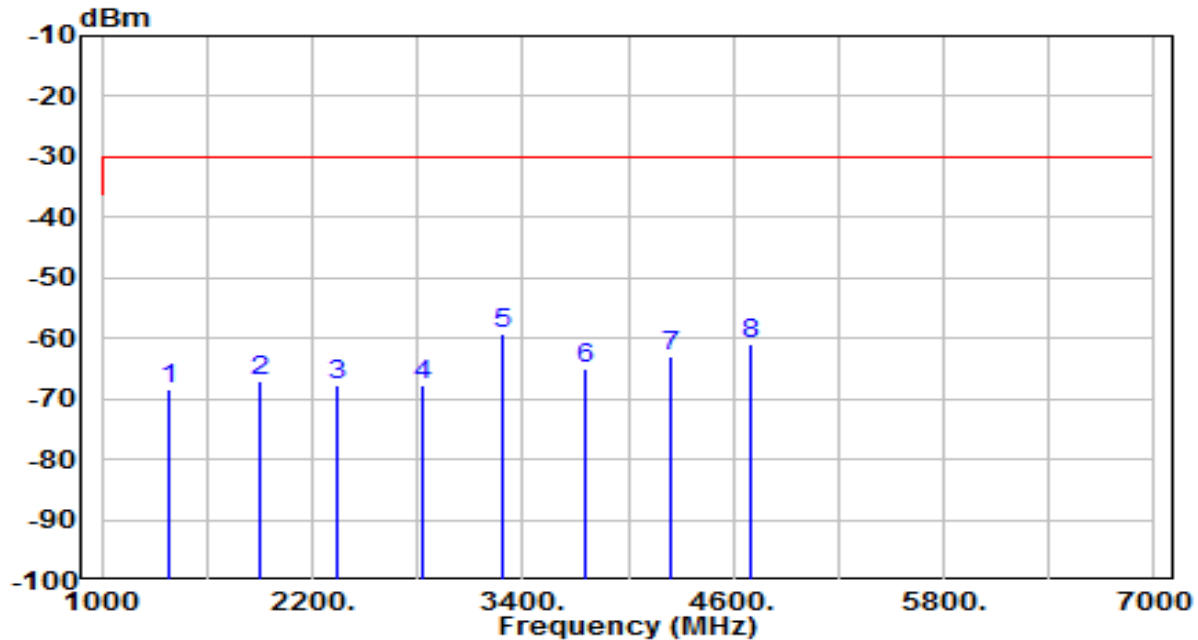


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	41.575	-91.03	16.83	-74.20	-17.20	-57.00	160	5	Average
2		113.725	-102.94	21.49	-81.45	-24.45	-57.00	160	227	Average
3		187.825	-102.43	20.30	-82.13	-25.13	-57.00	160	300	Average
4		278.500	-107.10	21.54	-85.56	-28.56	-57.00	160	58	Average
5		717.250	-112.53	29.55	-82.98	-25.98	-57.00	160	113	Average
6		891.775	-113.52	31.57	-81.95	-24.95	-57.00	160	171	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	In-Ear Monitoring System	Date of Test	2024-11-08
Factor	EIRP_1GHz~18GHz (TX)	Temp. / Humidity	26°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-470.125MHz	Test Voltage	AC 120V/60Hz

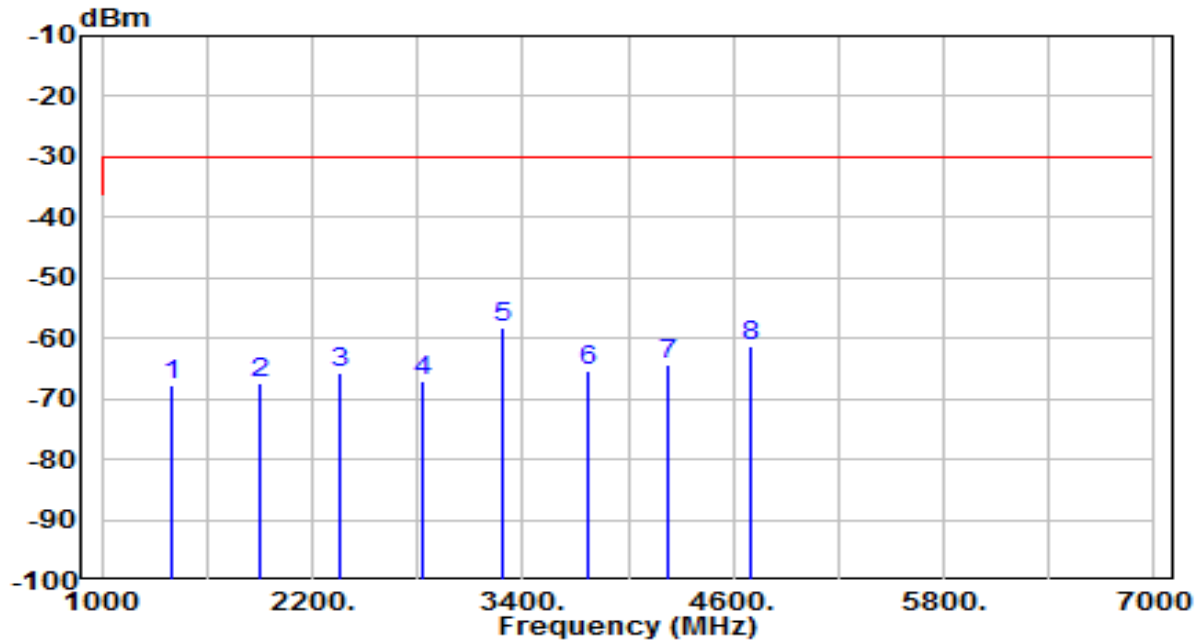


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1388.750	-71.67	3.42	-68.26	-38.26	-30.00	160	350	Average
2	1907.031	-72.97	5.77	-67.20	-37.20	-30.00	160	334	Average
3	2341.875	-74.24	6.53	-67.71	-37.71	-30.00	160	315	Average
4	2824.688	-75.08	7.33	-67.75	-37.75	-30.00	160	20	Average
5	* 3291.094	-67.18	7.85	-59.33	-29.33	-30.00	160	80	Average
6	3758.750	-75.65	10.69	-64.97	-34.97	-30.00	160	6	Average
7	4249.531	-75.25	12.17	-63.08	-33.08	-30.00	160	323	Average
8	4704.531	-75.54	14.52	-61.02	-31.02	-30.00	160	52	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	In-Ear Monitoring System	Date of Test	2024-11-08
Factor	EIRP_1GHz~18GHz (TX)	Temp. / Humidity	26°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-470.125MHz	Test Voltage	AC 120V/60Hz

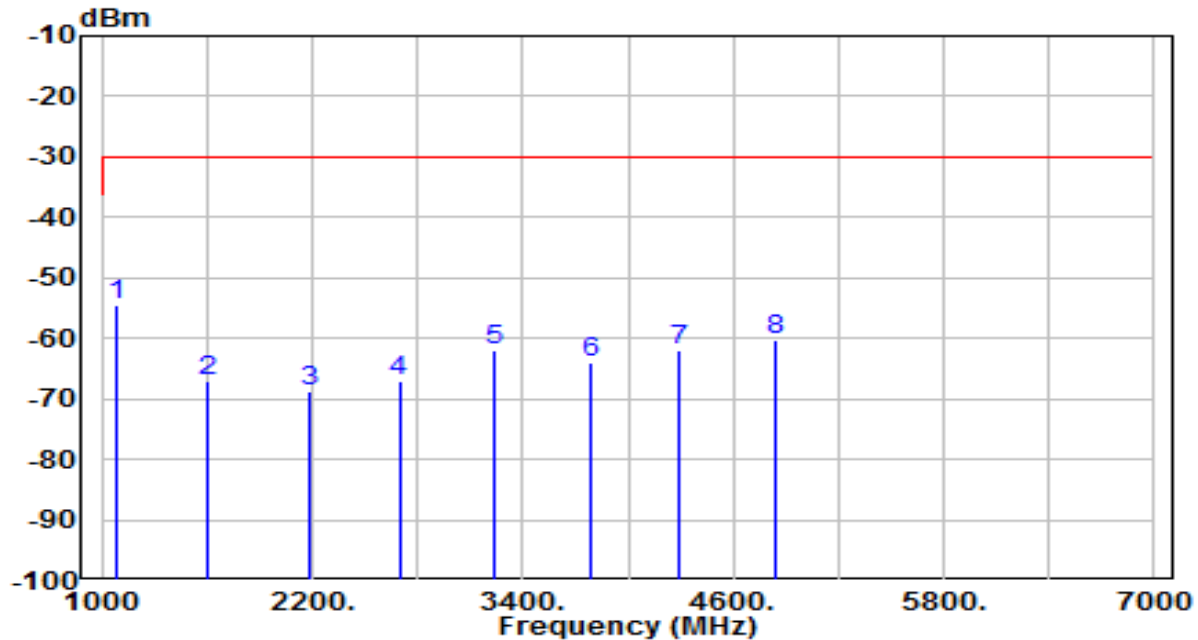


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1401.875	-71.37	3.73	-67.64	-37.64	-30.00	160	273	Average
2	1902.344	-73.14	5.62	-67.53	-37.53	-30.00	160	338	Average
3	2350.313	-73.75	8.01	-65.74	-35.74	-30.00	160	169	Average
4	2822.656	-74.83	7.83	-67.00	-37.00	-30.00	160	157	Average
5	* 3290.781	-66.32	7.94	-58.38	-28.38	-30.00	160	180	Average
6	3776.563	-75.62	10.09	-65.53	-35.53	-30.00	160	84	Average
7	4232.344	-76.08	11.74	-64.34	-34.34	-30.00	160	360	Average
8	4703.906	-75.06	13.87	-61.19	-31.19	-30.00	160	104	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	In-Ear Monitoring System	Date of Test	2024-11-08
Factor	EIRP_1GHz~18GHz (TX)	Temp. / Humidity	26°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-539MHz	Test Voltage	AC 120V/60Hz

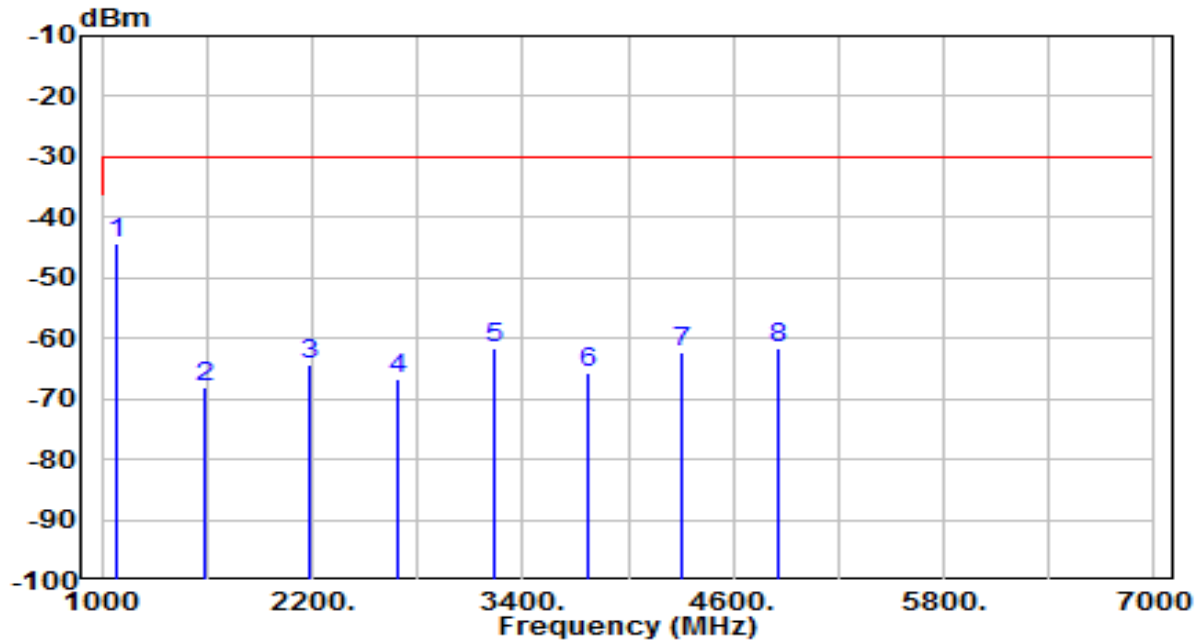


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	1077.969	-56.70	2.23	-54.46	-24.46	-30.00	160	96	Average
2		1598.906	-70.84	3.92	-66.92	-36.92	-30.00	160	72	Average
3		2178.281	-74.87	6.27	-68.59	-38.59	-30.00	160	108	Average
4		2695.938	-74.79	7.58	-67.21	-37.21	-30.00	160	292	Average
5		3233.906	-70.10	8.05	-62.04	-32.04	-30.00	160	80	Average
6		3792.188	-74.84	10.69	-64.15	-34.15	-30.00	160	138	Average
7		4294.688	-74.89	13.10	-61.79	-31.79	-30.00	160	37	Average
8		4836.563	-75.07	14.71	-60.35	-30.35	-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	In-Ear Monitoring System	Date of Test	2024-11-08
Factor	EIRP_1GHz~18GHz (TX)	Temp. / Humidity	26°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-539MHz	Test Voltage	AC 120V/60Hz

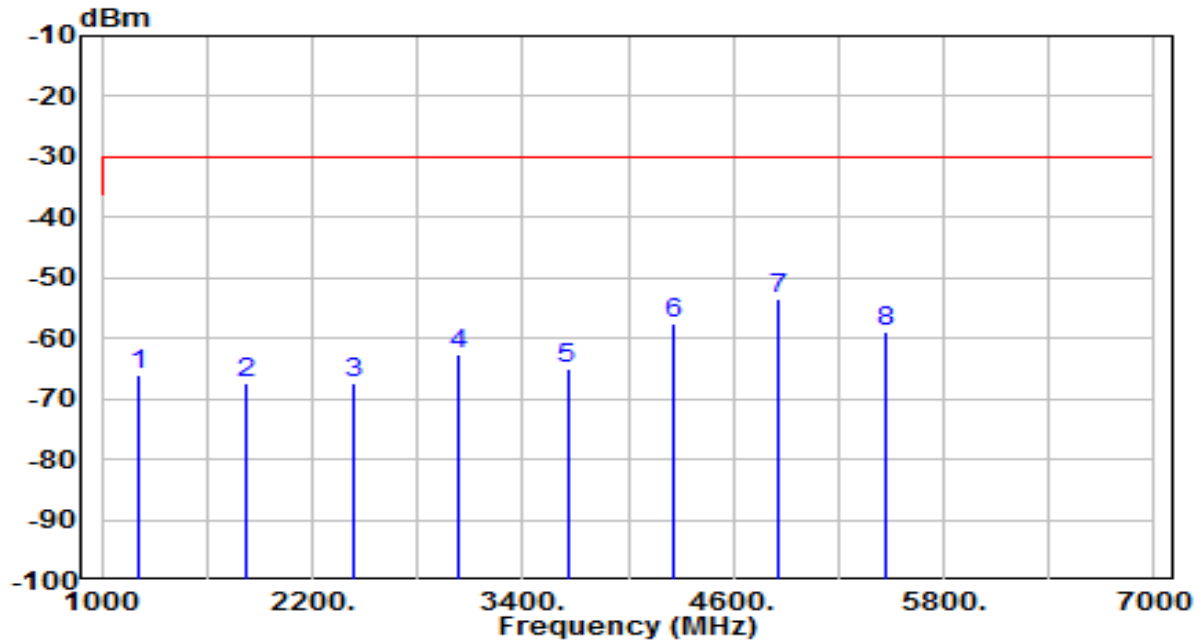


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	1077.969	-45.61	1.38	-44.23	-14.23	-30.00	160	152	Average
2		1594.531	-72.68	4.44	-68.24	-38.24	-30.00	160	156	Average
3		2185.469	-71.96	7.67	-64.28	-34.28	-30.00	160	125	Average
4		2695.000	-74.94	8.32	-66.62	-36.62	-30.00	160	171	Average
5		3234.219	-69.52	7.88	-61.63	-31.63	-30.00	160	210	Average
6		3778.281	-75.71	10.10	-65.61	-35.61	-30.00	160	295	Average
7		4310.000	-74.46	12.12	-62.34	-32.34	-30.00	160	22	Average
8		4853.750	-75.49	14.00	-61.49	-31.49	-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	In-Ear Monitoring System	Date of Test	2024-11-08
Factor	EIRP_1GHz~18GHz (TX)	Temp. / Humidity	26°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-607.875MHz	Test Voltage	AC 120V/60Hz

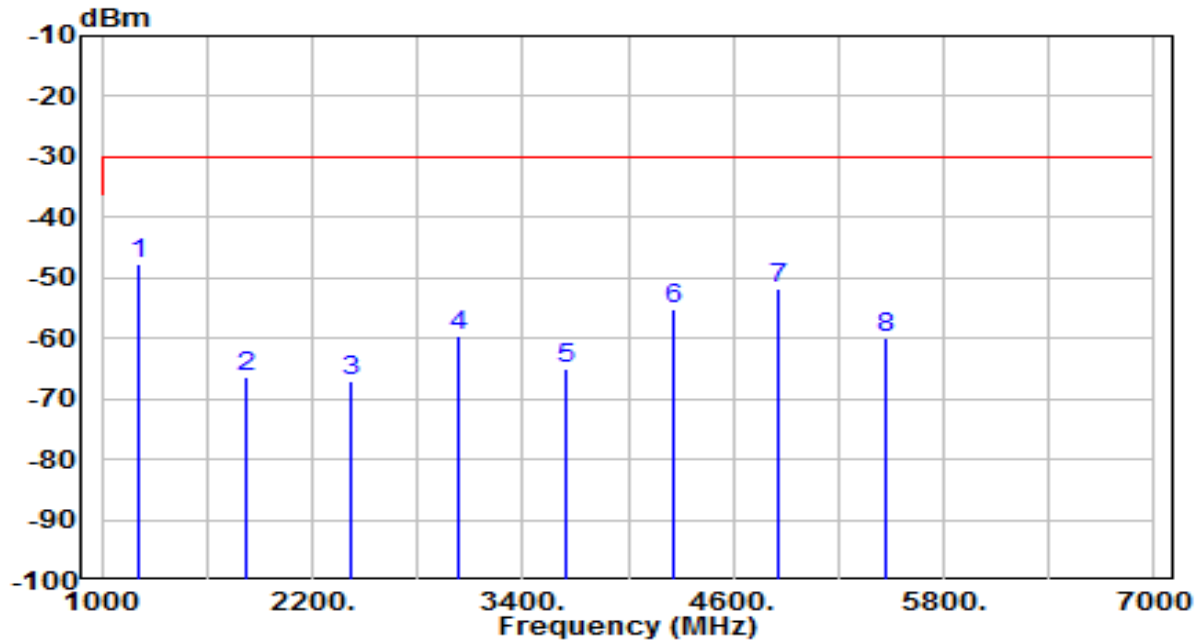


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1215.781	-69.33	3.41	-65.92	-35.92	-30.00	160	61	Average
2	1823.750	-72.12	4.77	-67.35	-37.35	-30.00	160	311	Average
3	2431.406	-74.08	6.67	-67.41	-37.41	-30.00	160	5	Average
4	3039.688	-70.22	7.45	-62.77	-32.77	-30.00	160	80	Average
5	3654.219	-74.86	9.73	-65.13	-35.13	-30.00	160	349	Average
6	4255.313	-69.72	12.27	-57.45	-27.45	-30.00	160	304	Average
7	* 4862.813	-68.17	14.56	-53.61	-23.61	-30.00	160	27	Average
8	5471.094	-74.98	16.04	-58.93	-28.93	-30.00	160	19	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	In-Ear Monitoring System	Date of Test	2024-11-08
Factor	EIRP_1GHz~18GHz (TX)	Temp. / Humidity	26°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_TX-607.875MHz	Test Voltage	AC 120V/60Hz

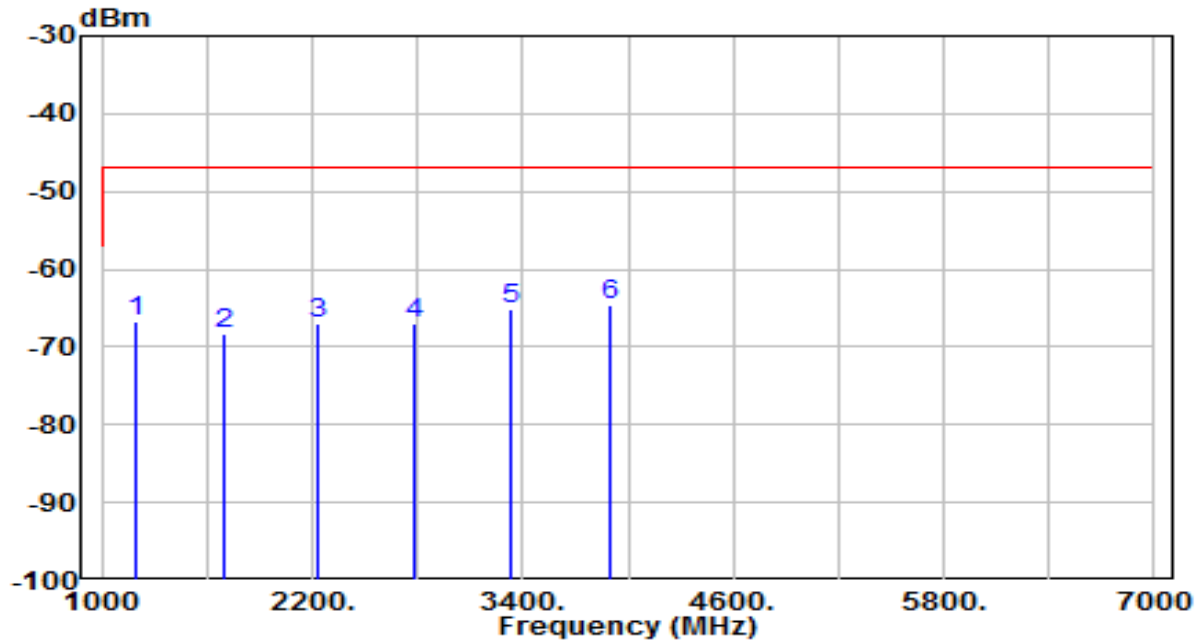


No		Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	1215.781	-50.81	3.03	-47.78	-17.78	-30.00	160	154	Average
2		1823.750	-71.07	4.68	-66.39	-36.39	-30.00	160	124	Average
3		2418.906	-74.61	7.67	-66.93	-36.93	-30.00	160	239	Average
4		3039.219	-66.71	7.08	-59.62	-29.62	-30.00	160	181	Average
5		3652.969	-74.69	9.57	-65.12	-35.12	-30.00	160	28	Average
6		4255.000	-66.90	11.61	-55.29	-25.29	-30.00	160	165	Average
7		4863.125	-65.79	13.95	-51.84	-21.84	-30.00	160	330	Average
8		5471.094	-75.28	15.42	-59.85	-29.85	-30.00	160	319	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	In-Ear Monitoring System	Date of Test	2024-11-08
Factor	EIRP_1GHz~18GHz (RX)	Temp. / Humidity	26°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-470.125MHz	Test Voltage	AC 120V/60Hz

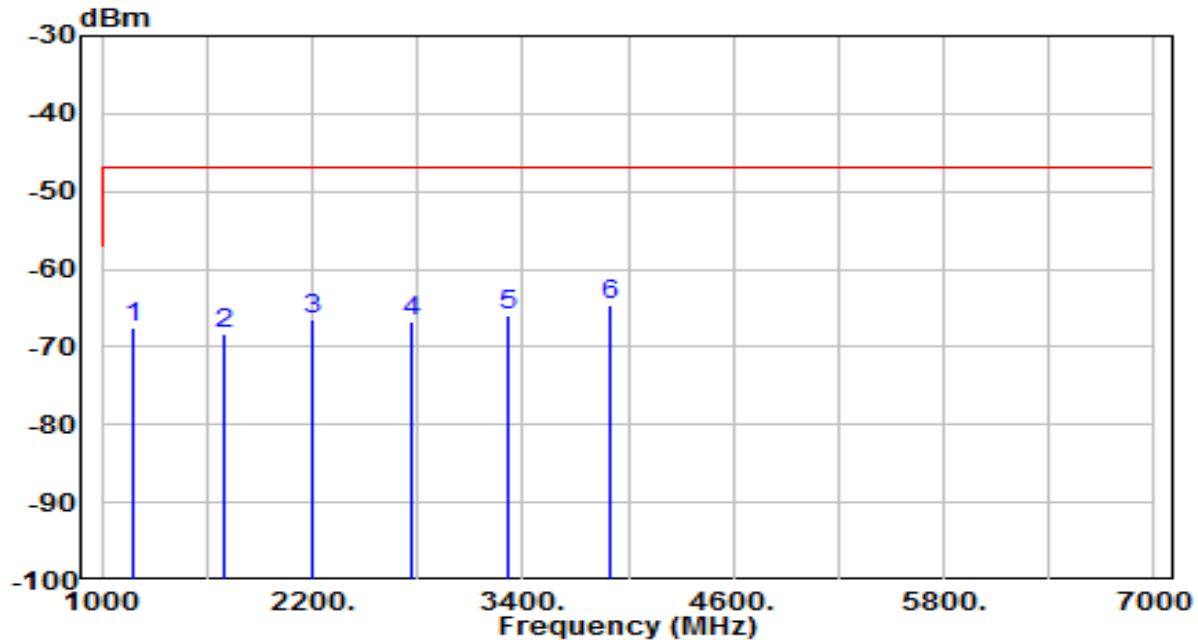


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1189.531	-70.69	4.03	-66.66	-19.66	-47.00	160	128	Average
2	1695.000	-72.21	3.86	-68.36	-21.36	-47.00	160	318	Average
3	2235.625	-73.27	6.20	-67.07	-20.07	-47.00	160	29	Average
4	2787.500	-74.54	7.53	-67.01	-20.01	-47.00	160	104	Average
5	3331.406	-73.28	8.05	-65.23	-18.23	-47.00	160	59	Average
6	* 3901.719	-75.61	10.89	-64.71	-17.71	-47.00	160	10	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	In-Ear Monitoring System	Date of Test	2024-11-08
Factor	EIRP_1GHz~18GHz (RX)	Temp. / Humidity	26°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-470.125MHz	Test Voltage	AC 120V/60Hz

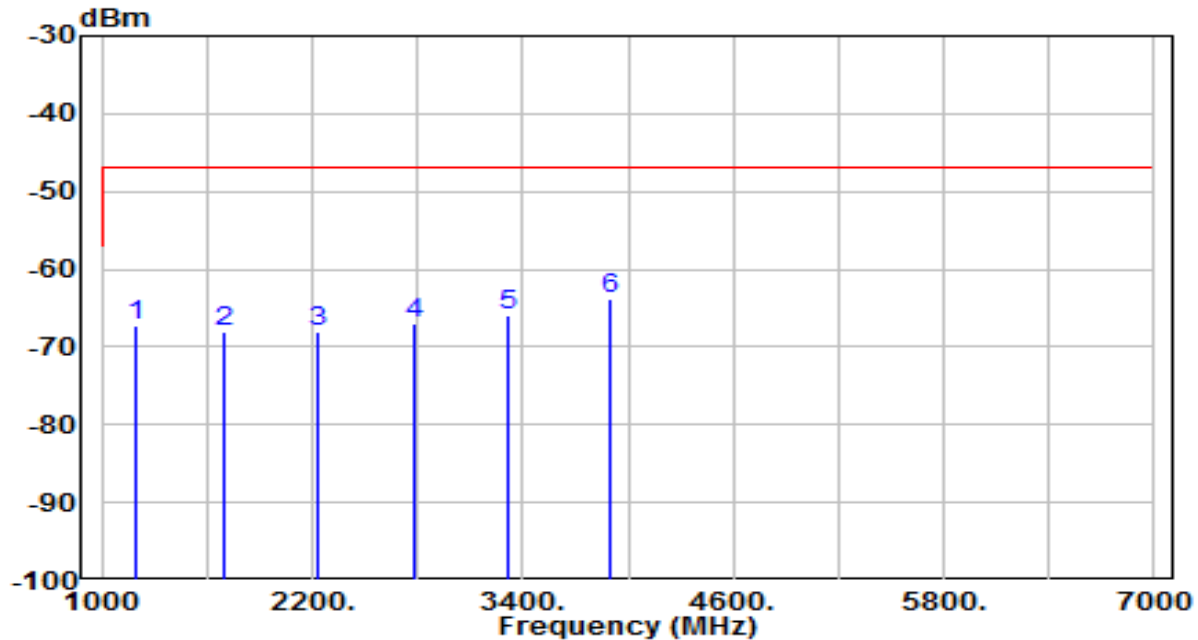


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1182.656	-70.80	3.21	-67.59	-20.59	-47.00	160	254	Average
2	1701.719	-72.21	3.87	-68.34	-21.34	-47.00	160	1	Average
3	2204.219	-74.00	7.59	-66.41	-19.41	-47.00	160	190	Average
4	2765.938	-75.20	8.40	-66.80	-19.80	-47.00	160	194	Average
5	3321.250	-74.07	8.17	-65.89	-18.89	-47.00	160	300	Average
6	* 3898.750	-74.77	10.24	-64.53	-17.53	-47.00	160	152	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	In-Ear Monitoring System	Date of Test	2024-11-08
Factor	EIRP_1GHz~18GHz (RX)	Temp. / Humidity	26°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-539MHz	Test Voltage	AC 120V/60Hz

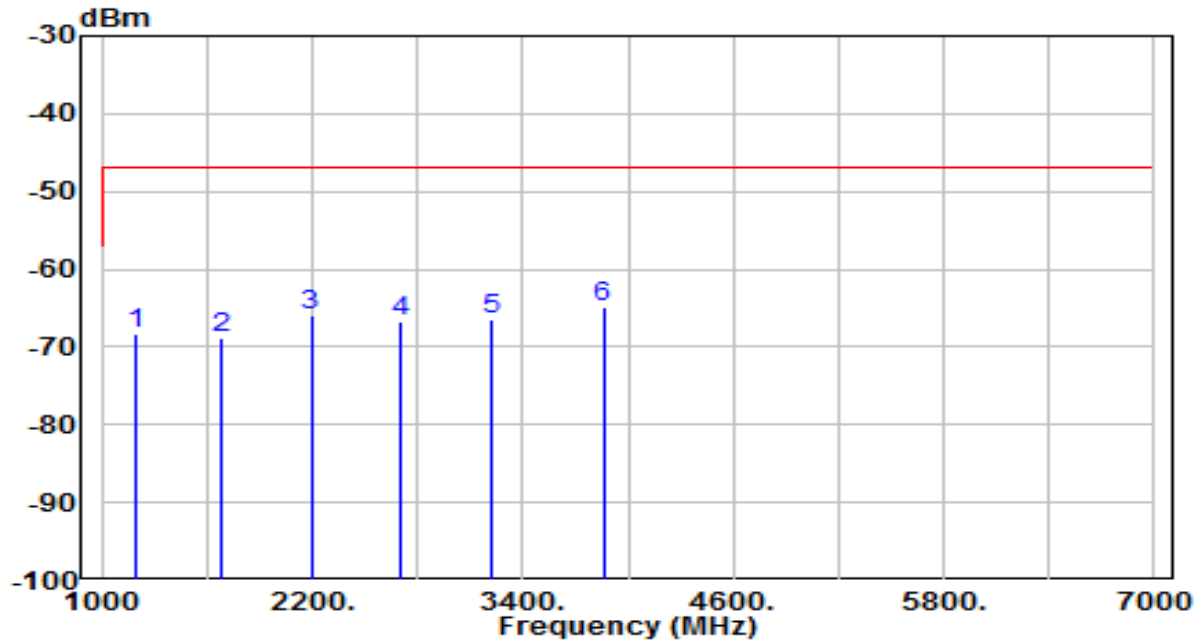


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1194.375	-71.33	4.15	-67.18	-20.18	-47.00	160	148	Average
2	1690.156	-71.84	3.74	-68.10	-21.10	-47.00	160	156	Average
3	2237.656	-74.35	6.20	-68.15	-21.15	-47.00	160	3	Average
4	2785.469	-74.56	7.53	-67.03	-20.03	-47.00	160	156	Average
5	3318.125	-73.91	7.94	-65.97	-18.97	-47.00	160	216	Average
6	* 3891.719	-74.86	10.94	-63.92	-16.92	-47.00	160	262	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	In-Ear Monitoring System	Date of Test	2024-11-08
Factor	EIRP_1GHz~18GHz (RX)	Temp. / Humidity	26°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-539MHz	Test Voltage	AC 120V/60Hz

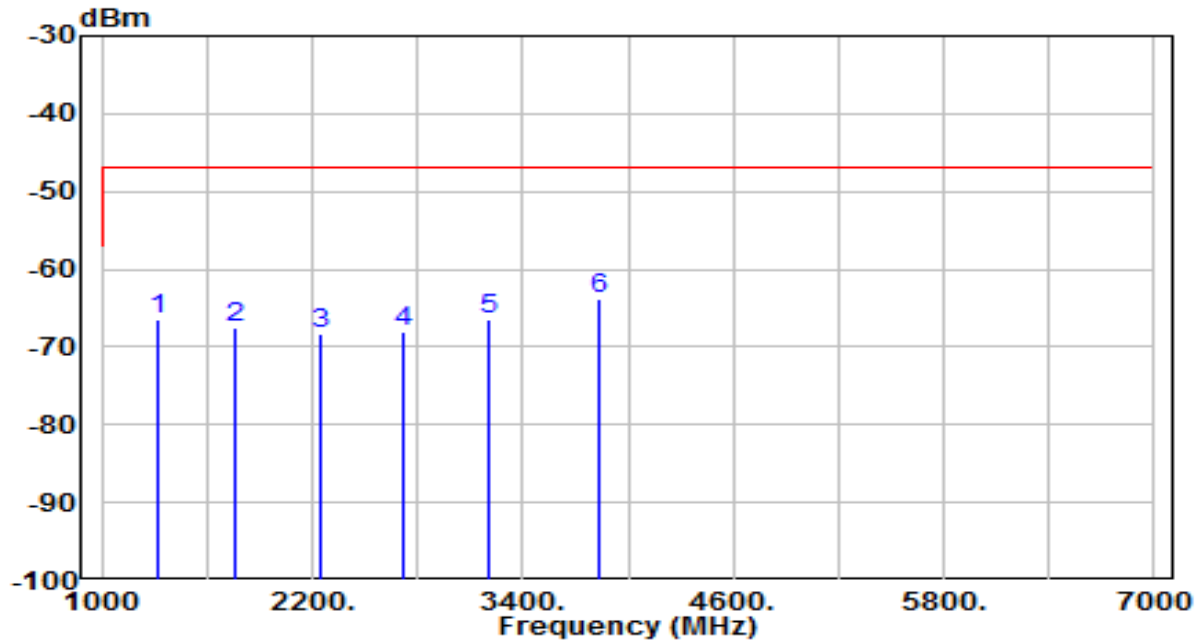


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1191.875	-71.71	3.47	-68.24	-21.24	-47.00	160	331	Average
2	1685.156	-72.49	3.64	-68.85	-21.85	-47.00	160	297	Average
3	2192.500	-73.51	7.62	-65.88	-18.88	-47.00	160	353	Average
4	2700.313	-75.14	8.43	-66.71	-19.71	-47.00	160	102	Average
5	3215.625	-74.27	7.93	-66.34	-19.34	-47.00	160	209	Average
6	* 3858.594	-75.28	10.50	-64.77	-17.77	-47.00	160	175	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	In-Ear Monitoring System	Date of Test	2024-11-08
Factor	EIRP_1GHz~18GHz (RX)	Temp. / Humidity	26°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-607.875MHz	Test Voltage	AC 120V/60Hz

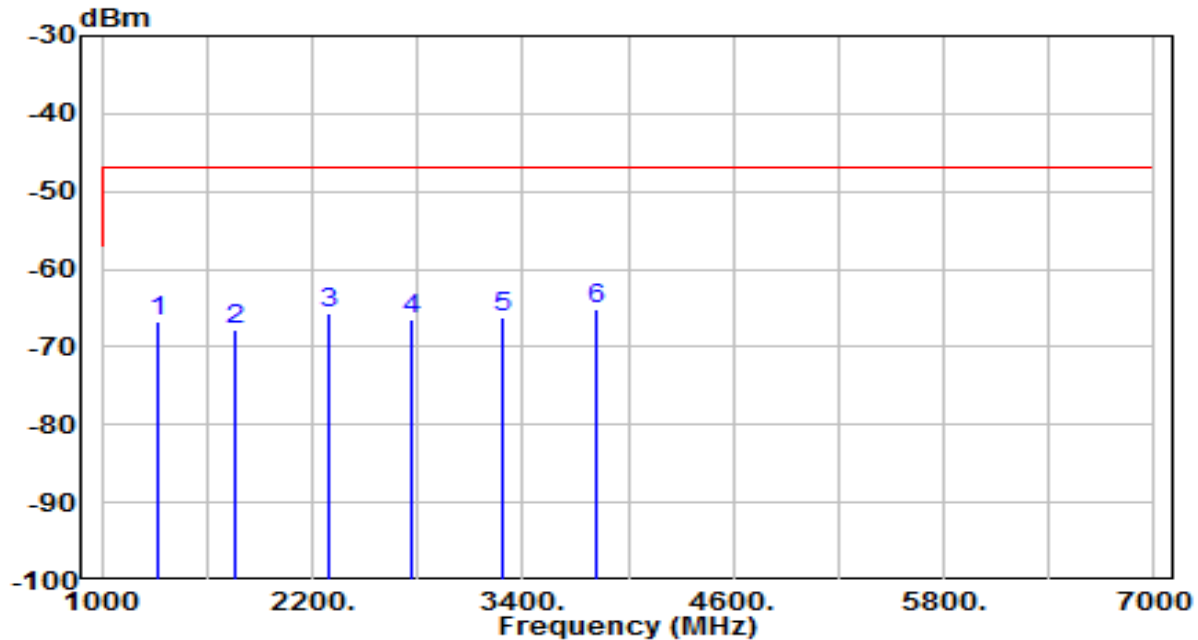


No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1317.656	-71.60	5.22	-66.38	-19.38	-47.00	160	184	Average
2	1765.781	-72.11	4.60	-67.51	-20.51	-47.00	160	82	Average
3	2255.000	-74.40	6.23	-68.17	-21.17	-47.00	160	127	Average
4	2716.094	-75.58	7.60	-67.98	-20.98	-47.00	160	113	Average
5	3205.000	-74.44	8.03	-66.42	-19.42	-47.00	160	74	Average
6	* 3838.438	-74.79	11.09	-63.70	-16.70	-47.00	160	127	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	In-Ear Monitoring System	Date of Test	2024-11-08
Factor	EIRP_1GHz~18GHz (RX)	Temp. / Humidity	26°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	UHF_Standby-607.875MHz	Test Voltage	AC 120V/60Hz



No	Frequency (MHz)	Reading (dBm)	C.F (dB)	Measurement (dBm)	Margin (dB)	Limit (dBm)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1319.375	-72.07	5.28	-66.79	-19.79	-47.00	160	81	Average
2	1759.531	-72.22	4.45	-67.77	-20.77	-47.00	160	81	Average
3	2297.813	-74.00	8.37	-65.63	-18.63	-47.00	160	241	Average
4	2771.563	-74.90	8.33	-66.57	-19.57	-47.00	160	186	Average
5	3279.531	-74.22	7.91	-66.30	-19.30	-47.00	160	314	Average
6	* 3812.500	-75.45	10.29	-65.16	-18.16	-47.00	160	130	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

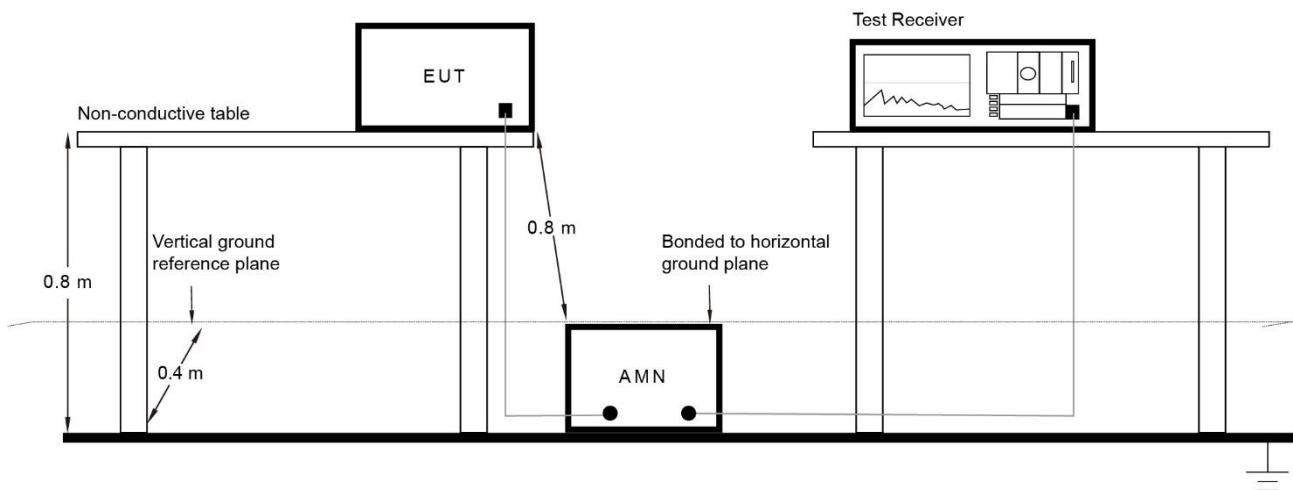
7.7.1. Test Limit

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.

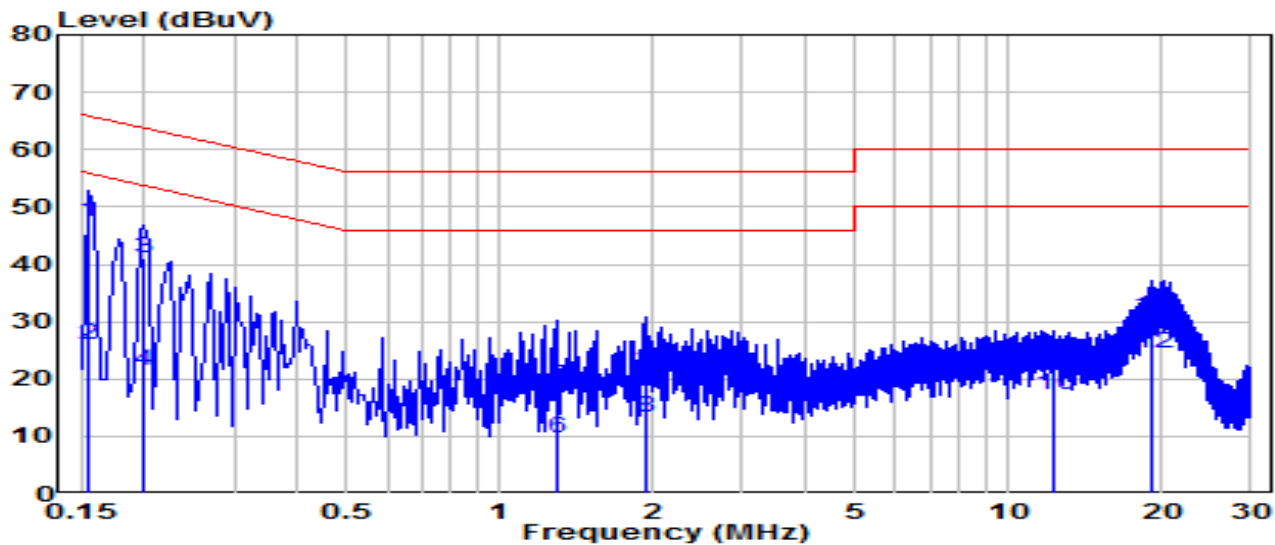
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.7.2. Test Setup



7.7.3. Test Result

EUT	In-Ear Monitoring System	Date of Test	2024-10-24
Factor	CE_ENV216-L1 (Filter ON)	Temp. / Humidity	24.6°C /53%
Polarity	Line1	Site / Test Engineer	SR2 / Will
Test Mode	UHF_TX_539MHz	Test Voltage	AC 120V/60Hz

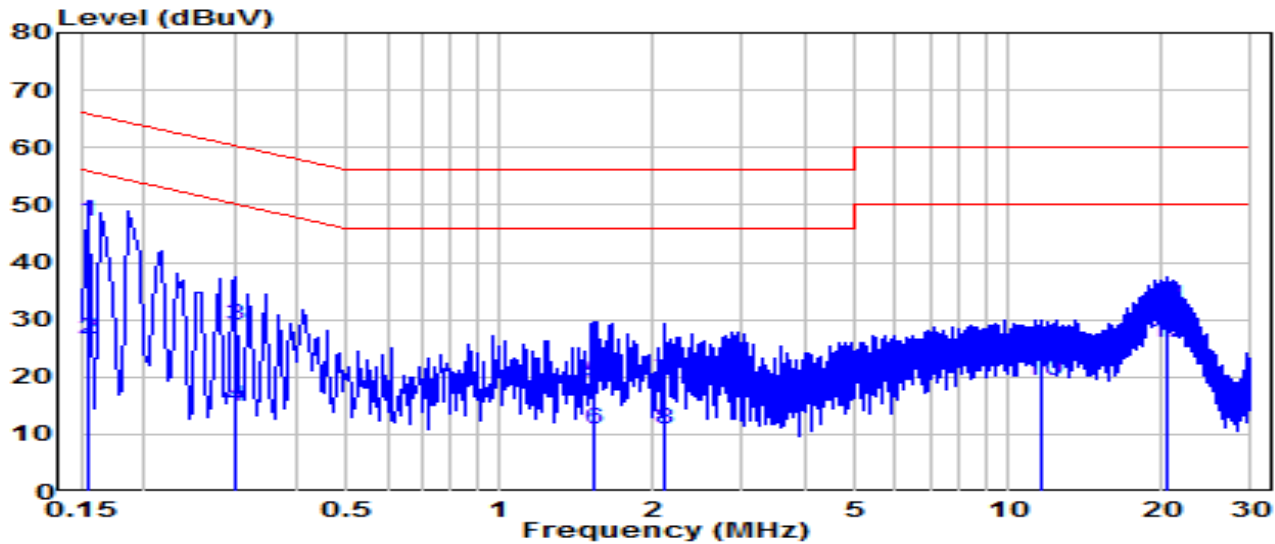


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1	*	0.154	37.74	9.63	47.37	-18.38	65.75	QP
2	*	0.154	16.42	9.63	26.05	-29.71	55.75	Average
3		0.199	31.46	9.63	41.10	-22.53	63.63	QP
4		0.199	11.84	9.63	21.47	-32.16	53.63	Average
5		1.302	8.91	9.69	18.60	-37.40	56.00	QP
6		1.302	-0.07	9.69	9.62	-36.38	46.00	Average
7		1.936	11.09	9.70	20.78	-35.22	56.00	QP
8		1.936	3.67	9.70	13.37	-32.63	46.00	Average
9		12.339	12.75	9.88	22.63	-37.37	60.00	QP
10		12.339	7.35	9.88	17.24	-32.76	50.00	Average
11		19.143	20.99	9.93	30.93	-29.07	60.00	QP
12		19.143	14.37	9.93	24.31	-25.69	50.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = LISN Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV) = Reading(dBuV) + C.F (Correction Factor).

EUT	In-Ear Monitoring System	Date of Test	2024-10-24
Factor	CE_ENV216-N (Filter ON)	Temp. / Humidity	24.6°C /53%
Polarity	Neutral	Site / Test Engineer	SR2 / Will
Test Mode	UHF_TX_539MHz	Test Voltage	AC 120V/60Hz

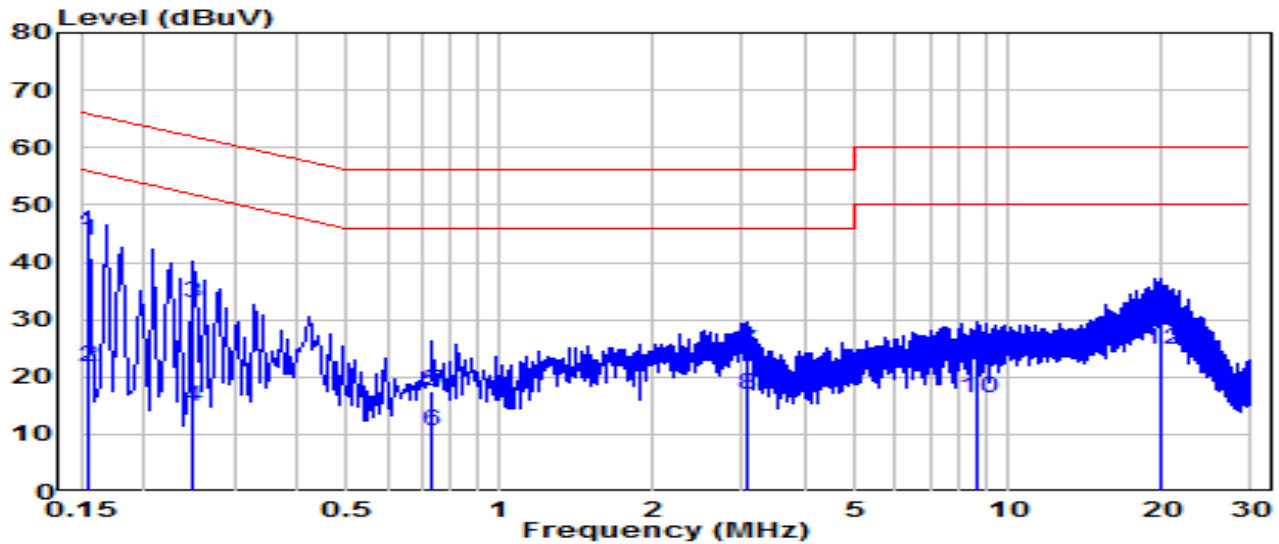


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1	*	0.154	37.57	9.63	47.20	-18.56	65.75	QP
2	*	0.154	17.01	9.63	26.64	-29.11	55.75	Average
3		0.303	19.43	9.64	29.07	-31.09	60.16	QP
4		0.303	5.06	9.64	14.70	-35.46	50.16	Average
5		1.527	9.27	9.70	18.97	-37.03	56.00	QP
6		1.527	1.03	9.70	10.73	-35.27	46.00	Average
7		2.107	9.49	9.71	19.20	-36.80	56.00	QP
8		2.107	1.17	9.71	10.88	-35.12	46.00	Average
9		11.678	14.56	9.91	24.47	-35.53	60.00	QP
10		11.678	9.29	9.91	19.20	-30.80	50.00	Average
11		20.533	22.19	10.00	32.19	-27.81	60.00	QP
12		20.533	15.95	10.00	25.95	-24.05	50.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = LISN Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV) = Reading(dBuV) + C.F (Correction Factor).

EUT	In-Ear Monitoring System	Date of Test	2024-10-24
Factor	CE_ENV216-L1 (Filter ON)	Temp. / Humidity	24.6°C /53%
Polarity	Line1	Site / Test Engineer	SR2 / Will
Test Mode	UHF_TX_539MHz	Test Voltage	AC 240V/60Hz

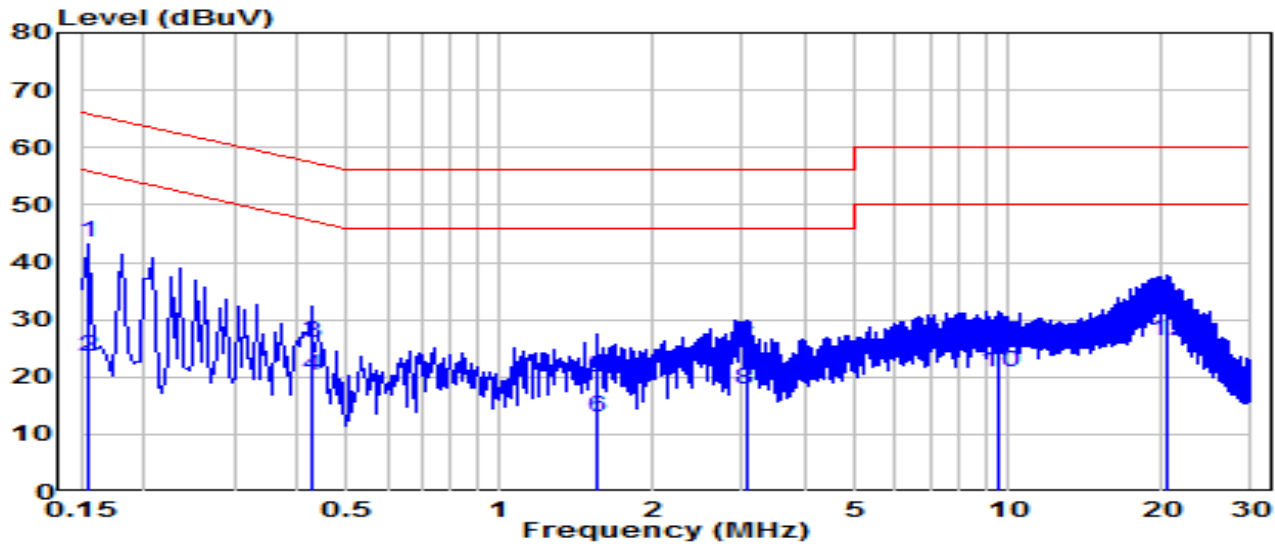


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1	*	0.154	34.20	9.63	43.83	-21.92	65.75	QP
2	*	0.154	11.97	9.63	21.60	-34.15	55.75	Average
3		0.249	23.35	9.64	32.98	-28.81	61.79	QP
4		0.249	5.06	9.64	14.70	-37.10	51.79	Average
5		0.735	7.96	9.66	17.62	-38.38	56.00	QP
6		0.735	0.95	9.66	10.62	-35.38	46.00	Average
7		3.066	14.75	9.72	24.47	-31.53	56.00	QP
8		3.066	7.20	9.72	16.91	-29.09	46.00	Average
9		8.690	12.80	9.84	22.64	-37.36	60.00	QP
10		8.690	6.52	9.84	16.35	-33.65	50.00	Average
11		19.858	20.78	9.94	30.72	-29.28	60.00	QP
12		19.858	14.69	9.94	24.63	-25.37	50.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = LISN Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV) = Reading(dBuV) + C.F (Correction Factor).

EUT	In-Ear Monitoring System	Date of Test	2024-10-24
Factor	CE_ENV216-N (Filter ON)	Temp. / Humidity	24.6°C /53%
Polarity	Neutral	Site / Test Engineer	SR2 / Will
Test Mode	UHF_TX_539MHz	Test Voltage	AC 240V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1	*	0.154	33.96	9.63	43.59	-22.16	65.75	QP
2	*	0.154	13.93	9.63	23.56	-32.19	55.75	Average
3		0.424	16.24	9.65	25.89	-31.47	57.36	QP
4		0.424	10.48	9.65	20.13	-27.23	47.36	Average
5		1.554	10.28	9.70	19.98	-36.02	56.00	QP
6		1.554	3.42	9.70	13.11	-32.89	46.00	Average
7		3.043	15.27	9.73	24.99	-31.01	56.00	QP
8		3.043	8.09	9.73	17.81	-28.19	46.00	Average
9		9.613	16.00	9.88	25.88	-34.12	60.00	QP
10		9.613	10.89	9.88	20.77	-29.23	50.00	Average
11		20.438	21.78	10.00	31.78	-28.22	60.00	QP
12		20.438	16.16	10.00	26.17	-23.83	50.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = LISN Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV) = Reading(dBuV) + C.F (Correction Factor).

Appendix A - Test Setup Photograph

Refer to “2408TWU101-UT” file.

Appendix B : External Photograph

Refer to “2408TWU101-UE” file.

Appendix C : Internal Photograph

Refer to “2408TWU101-UI” file.