

FCC TEST REPORT

FCC PART 95

Report Reference No.....: **HK2505262695-E**

FCC ID.....: **2BSAQ-EUTSAK**

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Date of issue.....: Sept. 16, 2025

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Applicant's Name: **eUda Plus Inc.**

Address: 84 W Santa Clara Street, Suite 700, San Jose, CA, 95113, United
States

Test Specification.....:

Standard: **FCC Part 95/FCC Part 2**

TRF Originator.....: Shenzhen HUAKE Testing Technology Co., Ltd.

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Test Item Description.....: Walkie Talkie Kit

Trade Mark: eUda+

Manufacturer.....: **eUda Plus Inc.**

Model/Type reference.....: eUTSAK

Listed Models: See page 2

Modulation Type.....: FM

Operation Frequency.....: From 462.6000MHz to 462.6500MHz

Rating: DC 5V From Adapter or DC 3.7V From Battery

Hardware version: V1.0

Software version: V1.0

Result.....: **PASS**

Len Liao
Sliver Wan
Jason Zhou



TEST REPORT

Test Report No.:	HK2505262695-E	Sept. 16, 2025
		Date of issue

Equipment under Test : Walkie Talkie Kit

Model /Type : eUTSAK

Listed Models : eUTSAK2501-H, eUTSAK2305-H, eUTSAK2305CC-H,
eUTSAK2504-H, eUTSAK2308-H, eUTSAK2308CF-H,
eUTSAK2301-H, eUTSAK2105-H, eUTSAK2105CF-H,
eUTSAK2304-H, eUTSAK2108-H, eUTSAK2108CC-H,
eUTSAK2501, eUTSAK2305, eUTSAK2305CC,
eUTSAK2504, eUTSAK2308, eUTSAK2308CF,
eUTSAK2301, eUTSAK2105, eUTSAK2105CF,,
eUTSAK2304, eUTSAK2108, eUTSAK2108CC, DJJ0217,
DJJ0218, DJJ0219, DJJ0220, DJJ0221, DJJ0222,
DJJ0223, DJJ0224, DJJ0225, DJJ0226

Applicant : eUda Plus Inc.

Address : 84 W Santa Clara Street, Suite 700, San Jose, CA,
95113, United States

Manufacturer : eUda Plus Inc.

Address : Zone B, 1866 Hutai Road, Baoshan District, Shanghai,
200444, China

Test Result:	PASS
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The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Contents

<u>1</u>	<u>Summary</u>	<u>5</u>
1.1	Test Standards	5
1.2	Test Description	5
1.3	Information of the Test Laboratory	6
1.4	Statement of the measurement uncertainty	6
<u>2</u>	<u>General Information</u>	<u>7</u>
2.1	Environmental Conditions	7
2.2	General Description of EUT	7
2.3	Description of Test Modes and Test Frequency	7
2.4	Measurement Instruments List	8
2.5	Related Submittal(s) / Grant(s)	9
2.6	Modifications	9
2.7	Description of Test Setup	9
<u>3</u>	<u>Test Conditions And Results</u>	<u>10</u>
3.1	Maximum Transmitter Power	10
3.2	Occupied Bandwidth and Emission Mask	12
3.3	Modulation Characteristic	16
3.4	Frequency Stability	19
3.5	Transmitter Radiated Spurious Emission	21
3.6	Spurious Emission on Antenna Port	24
<u>4</u>	<u>Test Setup Photos of The EUT</u>	<u>26</u>
<u>5</u>	<u>Photos of the EUT</u>	<u>28</u>

**** Modified History ****

Revision	Description	Issued Date	Remark
Revision 1.0	Initial Test Report Release	Sept. 16, 2025	Jason Zhou

1 Summary

1.1 Test Standards

The tests were performed according to following standards:

[FCC Rules Part 95](#): Personal Radio Services.

[ANSI/TIA-603-E-2016](#): Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.

[FCC Part 2](#): Frequency Allocations and Radio Treaty Matters; General Rules and Regulations

1.2 Test Description

Test specification clause	Test case	Verdict
FCC Part 95.567	Maximum Transmitter Power	PASS
FCC Part 95.575	Modulation Characteristic	PASS
FCC Part 95.573	Occupied Bandwidth	PASS
FCC Part 95.573	Emission Mask	PASS
FCC Part 95.565	Frequency Stability	PASS
FCC Part 95.565	Transmitter Frequency Behavior	PASS
FCC Part 95.579	Transmitter Radiated Spurious Emission	PASS
FCC Part 95.579	Spurious Emission on Antenna Port	PASS

1.3 Information of the Test Laboratory

Shenzhen HUAKE Testing Technology Co., Ltd.

Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

1.4 Statement of the measurement uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

Test Items	Measurement Uncertainty	Notes
Frequency Error	25 Hz	
Transmitter Power Conducted	0.57 dB	
Transmitter Power Radiated	2.20 dB	
Adjacent And Alternate Channel Power Conducted	1.20 dB	
Conducted Spurious Emission 9KHz-12.75GHz	1.60 dB	
Radiated Spurious Emission 9KHz-12.75GHz	2.20 dB	
Intermodulation Attenuation	1.00 dB	
Maximum Useable Receiver Sensitivity	2.80 dB	
Co-Channel Rejection	2.80 dB	
Adjacent Channel Selectivity	2.80 dB	
Spurious Response Rejection	2.80 dB	
Intermodulation Response Rejection	2.80 dB	
Blocking Or Desensitization	2.80 dB	

2 General Information

2.1 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature:	25°C
Relative Humidity:	55 %
Air Pressure:	101 kPa

2.2 General Description of EUT

Name of EUT	Walkie Talkie Kit
Series model(s)	eUTSAK, eUTSAK2501-H, eUTSAK2305-H, eUTSAK2305CC-H, eUTSAK2504-H, eUTSAK2308-H, eUTSAK2308CF-H, eUTSAK2301-H, eUTSAK2105-H, eUTSAK2105CF-H, eUTSAK2304-H, eUTSAK2108-H, eUTSAK2108CC-H, eUTSAK2501, eUTSAK2305, eUTSAK2305CC, eUTSAK2504, eUTSAK2308, eUTSAK2308CF, eUTSAK2301, eUTSAK2105, eUTSAK2105CF,, eUTSAK2304, eUTSAK2108, eUTSAK2108CC, DJJ0217, DJJ0218, DJJ0219, DJJ0220, DJJ0221, DJJ0222, DJJ0223, DJJ0224, DJJ0225, DJJ0226
Model Difference	All model's the function, software and electric circuit are the same, only with appearance, product color and model named different. Test sample model: eUTSAK.
Power Supply	DC5V from Type-C or DC3.7V from Battery
Frequency Range	From 462.6000MHz to 462.6500MHz
Rate Power	≤2W
Modulation Type	FM
Channel Separation	12.5KHz
Antenna Type	External Antenna
Note: 1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual. 2. Antenna gain Refer to the antenna specifications. 3. The cable loss data is obtained from the supplier. 4. The test results in the report only apply to the tested sample.	

2.3 Description of Test Modes and Test Frequency

The EUT has been tested under typical operating condition. As, test modes selected as below by the technical parameters of the EUT:

Operation Mode No.	Modulation	Channel Separation	Condition	
	FM	12.5KHz	TX	RX
1	☒	☒	☒	
2	☒	☒		☒

Test frequency list:

Modulation Type	Test Channel	Channel Separation	Test Frequency (MHz)
Analog/FM	CH1	12.5KHz	462.6000
	CH2		462.6250
	CH3		462.6500

2.4 Measurement Instruments List

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Due Date
1	L.I.S.N.	R&S	ENV216	HKE-002	2025/02/19	2026/02/18
2	L.I.S.N.	R&S	ENV216	HKE-059	2025/02/19	2026/02/18
3	EMI Test Receiver	R&S	ESR	HKE-005	2025/02/19	2026/02/18
4	Spectrum analyzer	Agilent	N9020A	HKE-117	2025/02/19	2026/02/18
5	Spectrum analyzer	R&S	FSV3044	HKE-126	2025/02/19	2026/02/18
6	Preamplifier	EMCI	EMC051845S	HKE-006	2025/02/19	2026/02/18
7	Preamplifier	Schwarzbeck	BBV 9743	HKE-016	2025/02/19	2026/02/18
8	Preamplifier	A.H. Systems	SAS-574	HKE-182	2025/02/19	2026/02/18
9	6dB Attenuator	Pasternack	6db	HKE-184	2025/02/19	2026/02/18
10	EMI Test Receiver	Rohde & Schwarz	ESR-7	HKE-010	2025/02/19	2026/02/18
11	Broadband Antenna	Schwarzbeck	VULB9168	HKE-167	2024/02/21	2026/02/20
12	Loop Antenna	COM-POWER	AL-130R	HKE-014	2024/02/21	2026/02/20
13	Horn Antenna	Schwarzbeck	9120D	HKE-013	2024/02/21	2026/02/20
14	EMI Test Software	Tonscend	JS32-CE 2.5.0.6	HKE-081	/	/
15	EMI Test Software	Tonscend	JS32-RE 5.0.0	HKE-082	/	/
16	RF Automatic control unit	Tonscend	JS0806-1	HKE-096	2025/02/19	2026/02/18
17	High pass filter unit	Tonscend	JS0806-F	HKE-055	2025/02/19	2026/02/18
18	Wireless Communication Test Set	R&S	CMU200	HKE-026	2025/02/19	2026/02/18
19	Wireless Communication Test Set	R&S	CMW500	HKE-027	2025/02/19	2026/02/18
20	High-low temperature chamber	Guangke	HT-80L	HKE-118	2025/06/09	2026/06/08
21	Temperature and humidity meter	Boyang	HTC-1	HKE-075	2025/06/09	2026/06/08
22	RF Test Software	Tonscend	JS1120 Version 3.5.39	HKE-183	/	/
23	10dB Attenuator	Schwarzbeck	VTSD9561F	HKE-153	2025/02/19	2026/02/18
24	RSE Test Software	Tonscend	JS36-RSE 5.0.0	HKE-184	/	/

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2.5 Related Submittal(s) / Grant(s)

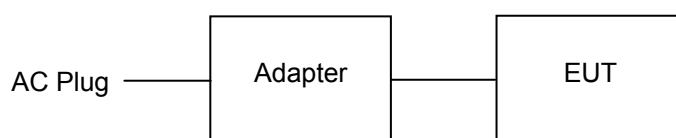
This submittal(s) (test report) is intended to comply with FCC Part 95 Rules.

2.6 Modifications

No modifications were implemented to meet testing criteria.

2.7 Description of Test Setup

Operation of EUT during Radiation below 1GHz testing:



Operation of EUT during Radiation Above 1GHz testing:



Operation of EUT during RF Conducted testing:



The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. The worst case is X position.

3 Test Conditions And Results

3.1 Maximum Transmitter Power

Limits

According to FCC Part 95.567:

Each FRS transmitter type must be designed such that the effective radiated power (ERP) on channels 8 through 14 does not exceed 0.5 Watts and the ERP on channels 1 through 7 and 15 through 22 does not exceed 2.0 Watts.

Test Procedure

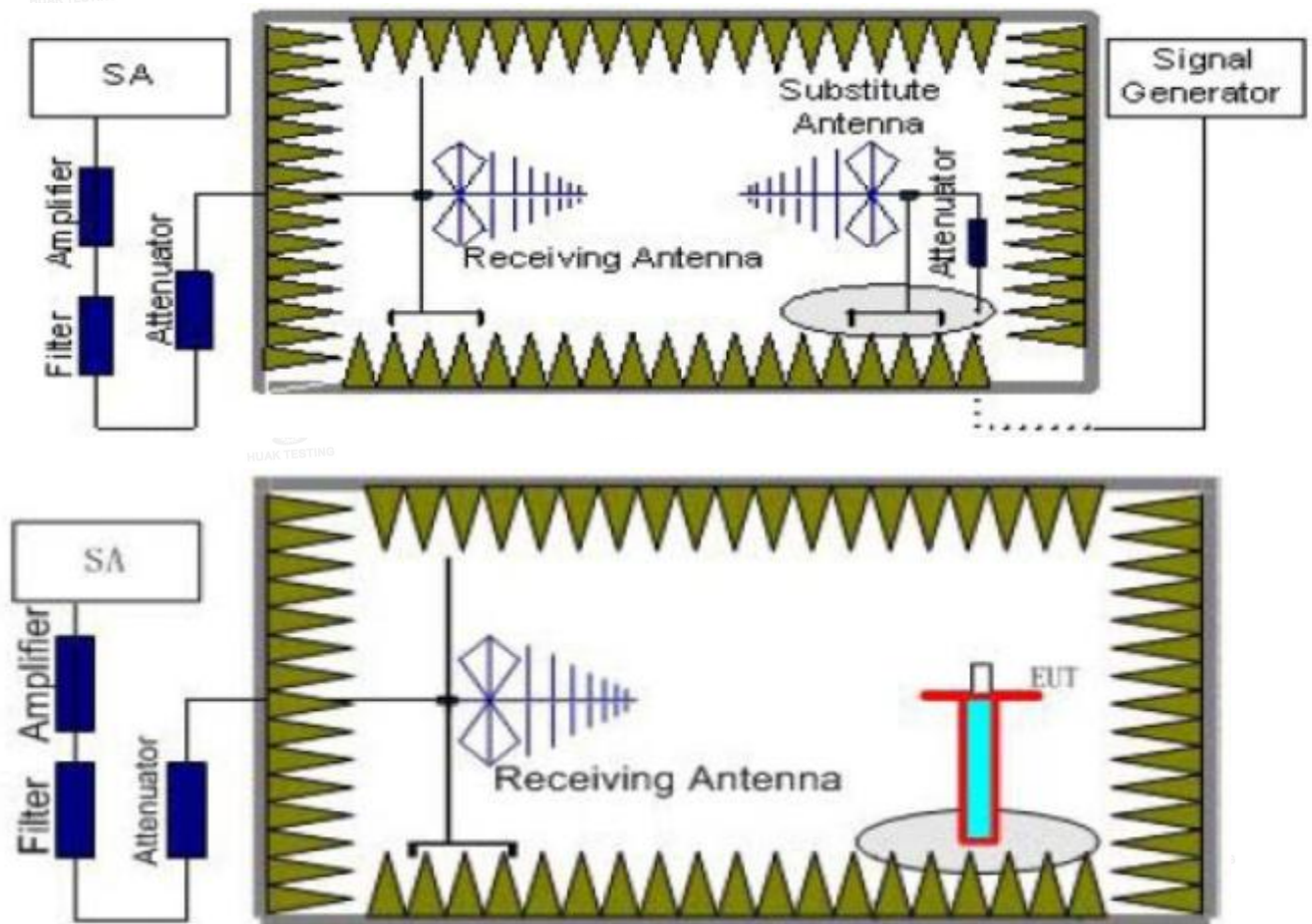
1. EUT was placed on a 1.50 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.50m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
3. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=1MHz, VBW=3MHz, And the maximum value of the receiver should be recorded as (P_r).
4. The EUT shall be replaced by a substitution antenna. In the chamber, a substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (P_{cl}), the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test. The measurement results are obtained as described below:

$$\text{Power(EIRP)} = P_{Mea} - G_a + P_{cl} - P_{Ag}$$
 We used SMF100A microwave signal generator which signal level can up to 33dBm, so we not used power Amplifier for substitution test; The measurement results are amend as described below:

$$\text{Power(EIRP)} = P_{Mea} - P_{cl} + G_a$$
6. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
7. ERP can be calculated from EIRP by subtracting the gain of the dipole, $\text{ERP} = \text{EIRP} - 2.15\text{dBi}$.

Test Configuration





Test Results

Conducted:

Modulation Type	Test Channel	Test Frequency (MHz)	Test Results (dBm)
FRS TX	CH1	462.6000	29.512
	CH2	462.6250	29.485
	CH3	462.6500	29.475

Radiated:

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Ag} (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
462.6000	66.36	3.06	6.24	33.60	27.43	33.01	5.58	V
462.6000	65.24	3.06	6.24	33.60	26.31	33.01	6.70	H
462.6250	65.17	3.22	6.24	33.60	26.40	33.01	6.61	V
462.6250	65.22	3.22	6.24	33.60	26.45	33.01	6.56	H
462.6500	65.16	3.17	6.24	33.60	26.34	33.01	6.67	V
462.6500	66.04	3.17	6.24	33.60	27.22	33.01	5.79	H

Remark:

1. $EIRP = P_{Mea} - G_a + P_{cl} - P_{Ag}$
2. $ERP = EIRP - 2.15dB$ as $EIRP$ by subtracting the gain of the dipole.

3.2 Occupied Bandwidth and Emission Mask

Test Applicable

According to FCC 95.573:

Each FRS transmitter type must be designed such that the occupied bandwidth does not exceed 12.5 kHz.

According to FCC 95.579:

Each FRS transmitter type must be designed to satisfy the applicable unwanted emissions limits in this paragraph.

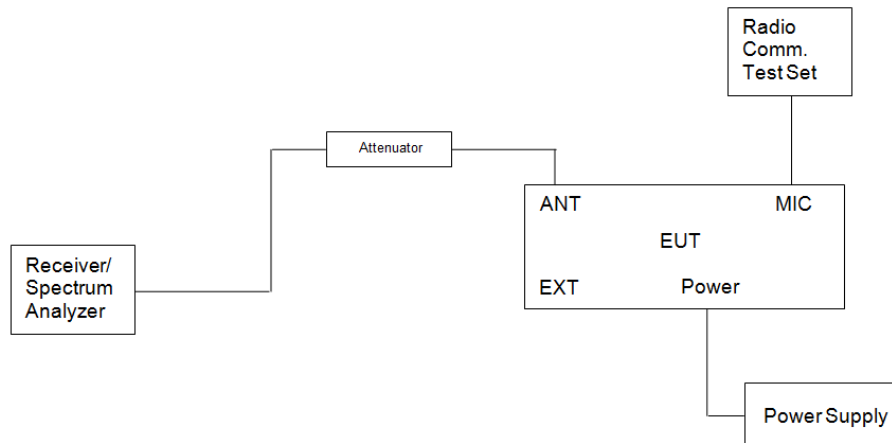
(a) Attenuation requirements. The power of unwanted emissions must be attenuated below the carrier power output in Watts (P) by at least:

- (1) 25 dB (decibels) in the frequency band 6.25 kHz to 12.5 kHz removed from the channel center frequency.
- (2) 35 dB in the frequency band 12.5 kHz to 31.25 kHz removed from the channel center frequency.
- (3) $43 + 10 \log (P)$ dB in any frequency band removed from the channel center frequency by more than 31.25 kHz.

(b) Measurement bandwidths. The power of unwanted emissions in the frequency bands specified in paragraphs (a)(1) and (2) of this section is measured with a reference bandwidth of 300 Hz. The power of unwanted emissions in the frequency range specified in paragraph (a)(3) is measured with a reference bandwidth of at least 30 kHz.

(c) Measurement conditions. The requirements in this section apply to each FRS transmitter type both with and without the connection of permitted attachments, such as an external speaker, microphone and/or power cord.

Test Configuration



Test Procedure

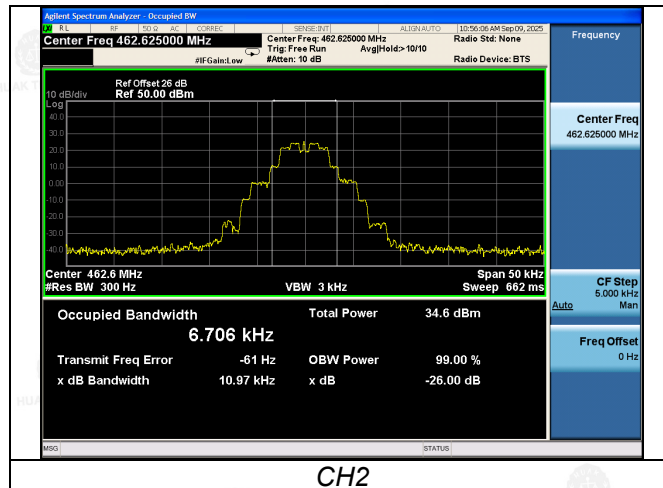
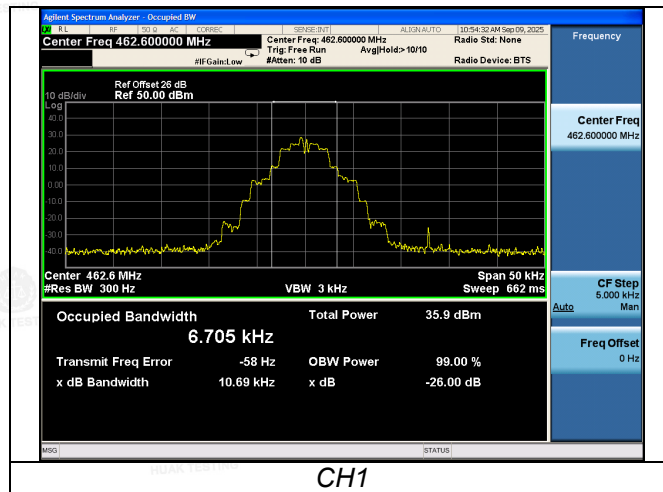
- 1 The EUT was modulated by 2.5 KHz Sine wave audio signal; the level of the audio signal employed is 16 dB greater than that necessary to produce 50% of rated system deviation. Rated system deviation is 2.5 kHz (12.5 kHz channel spacing) and 5 kHz (25 kHz channel spacing).
- 2 Set SPA Center Frequency = fundamental frequency, RBW=300Hz, VBW= 3 KHz, span =50 KHz.
- 3 Set SPA Max hold. Mark peak, Set 99% Occupied Bandwidth and 26dB Occupied Bandwidth.

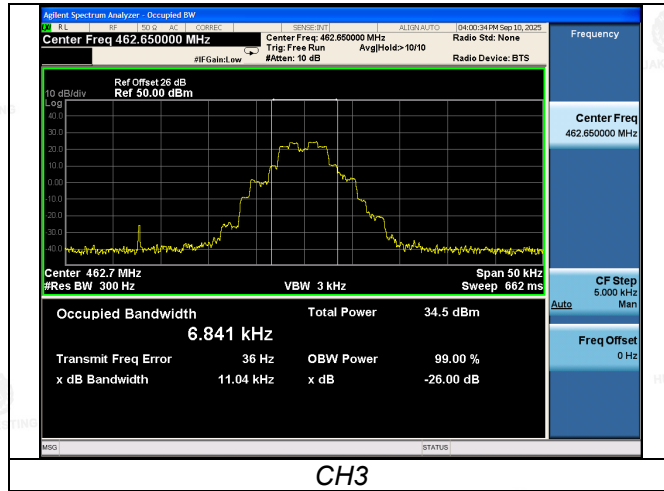
Test Results

Occupied Bandwidth:

Modulation	Channel	99% OBW (KHz)	26dB Bandwidth (KHz)	Limit (KHz)	Result
FM	CH1	6.705	10.69	12.5	Pass
	CH2	6.706	10.97		
	CH3	6.841	11.04		

12.5 KHz:





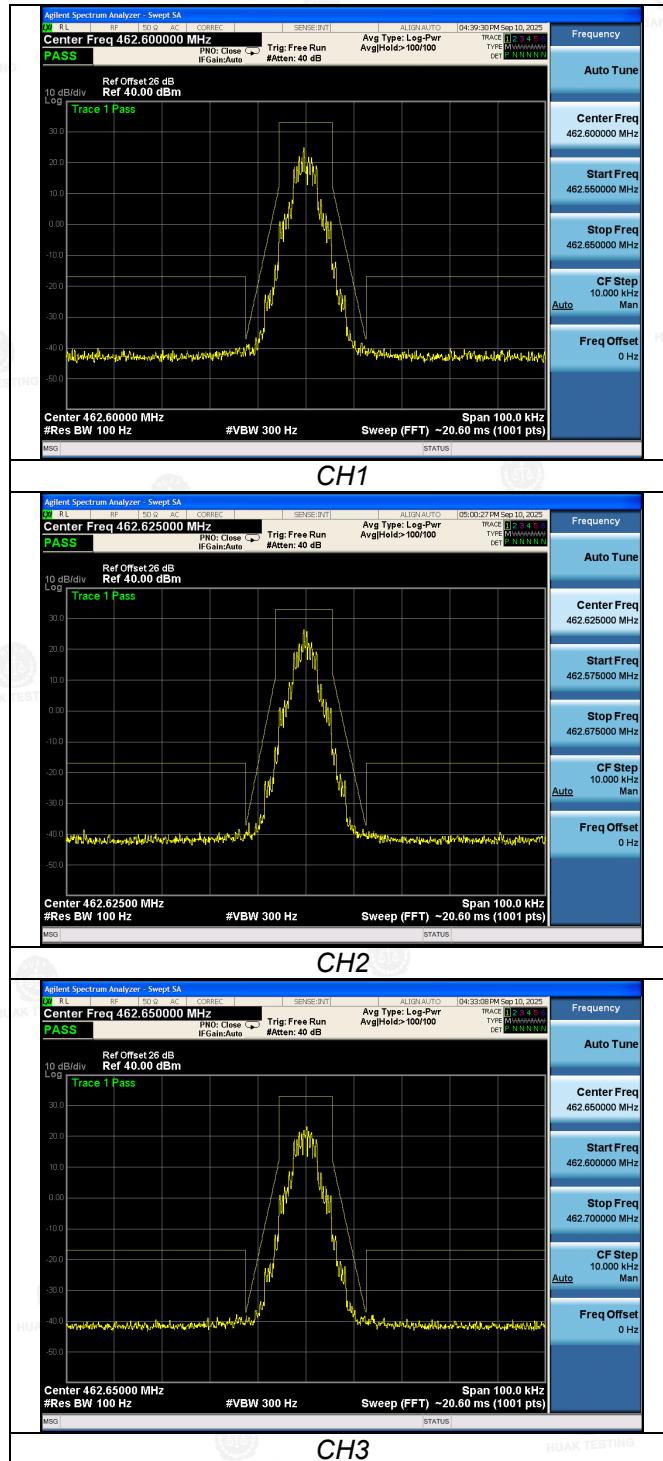
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HUAKE TESTING

Emission Mask:



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3.3 Modulation Characteristic

Test Applicable

FCC Part 95.575, FCC Part 2.1047(b) Each FRS transmitter type must be designed such that the peak frequency deviation does not exceed 2.5 kHz, and the highest audio frequency contributing substantially to modulation must not exceed 3.125 kHz.

Test Procedure

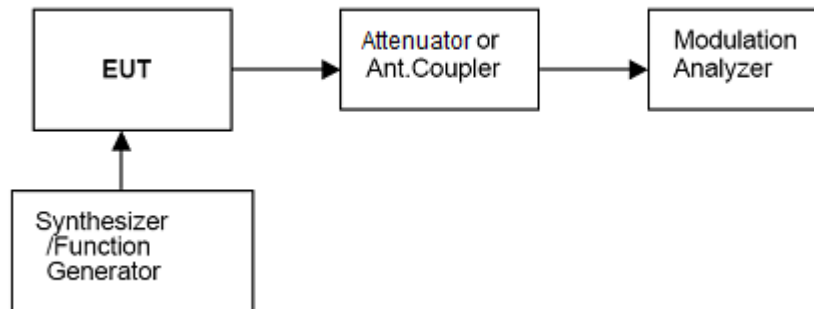
Modulation Limit

- 1 Configure the EUT as shown in figure 1, adjust the audio input for 60% of rated system deviation at 1 KHz using this level as a reference (0dB) and vary the input level from -20 to +20dB. Record the frequency deviation obtained as a function of the input level.
- 2 Repeat step 1 with input frequency changing to 300, 1000, 1500 and 3000Hz in sequence.

Audio Frequency Response

- 1 Configure the EUT as shown in figure 1.
- 2 Adjust the audio input for 20% of rated system deviation at 1 KHz using this level as a reference (0dB).
- 3 Vary the Audio frequency from 100 Hz to 3 KHz and record the frequency deviation.
- 4 Audio Frequency Response = $20\log_{10}(\text{Deviation of test frequency} / \text{Deviation of 1 KHz reference})$.

Test Configuration



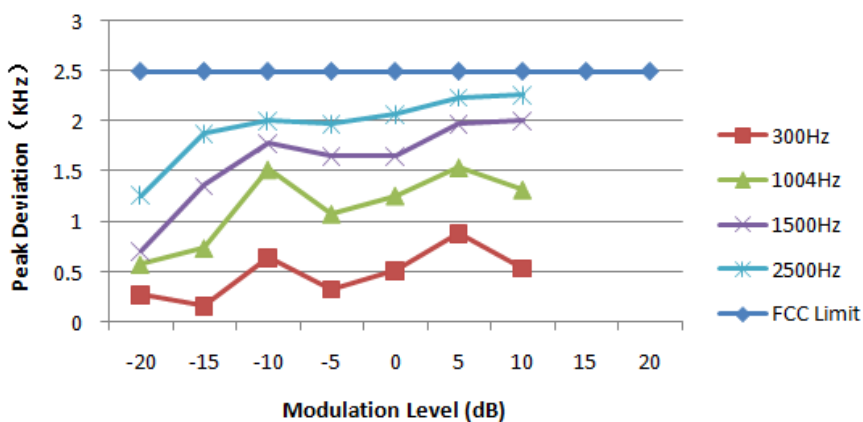
Test Results

Modulation Limit:

12.5 KHz Channel Separations

Modulation Level(dB)	Peak Freq. Deviation At 300 Hz(KHz)	Peak Freq. Deviation At 1004 Hz(KHz)	Peak Freq. Deviation At 1500 Hz(KHz)	Peak Freq. Deviation At 2500 Hz(KHz)
-20	0.25	0.33	0.57	0.54
-15	0.31	0.26	0.98	0.59
-10	0.28	0.58	0.71	1.26
-5	0.16	0.74	1.36	1.88
0	0.65	1.52	1.78	2.01
+5	0.33	1.08	1.65	1.98
+10	0.52	1.26	1.65	2.07
+15	0.89	1.54	1.98	2.24
+20	0.54	1.32	2.01	2.27

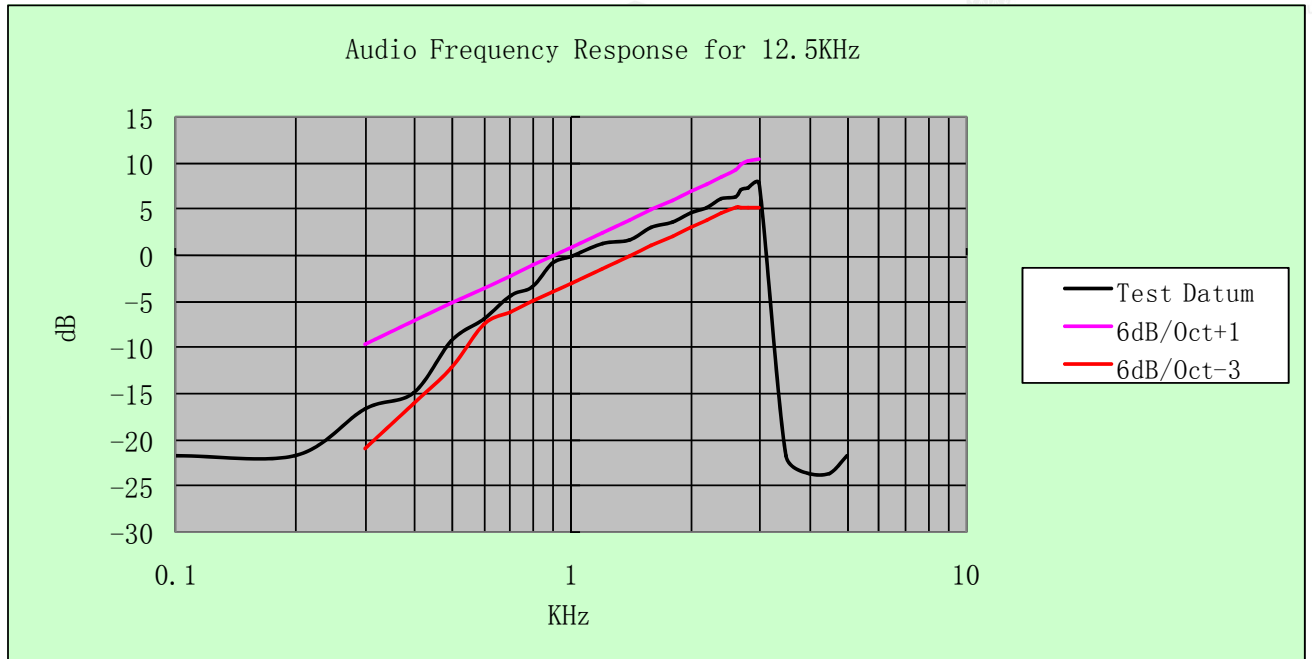
Modulation Limit for 12.5 KHz



Audio Frequency Response:

12.5 KHz Channel Separation

Frequency (KHz)	Frequency Deviation (KHz)	1KHz Reference Deviation (KHz)	Audio Frequency Response (dB)
0.1	0.04	0.60	-21.57
0.2	0.03	0.60	-21.56
0.3	0.08	0.60	-16.45
0.4	0.12	0.60	-14.73
0.5	0.19	0.60	-9.11
0.6	0.22	0.60	-6.93
0.7	0.35	0.60	-4.22
0.8	0.39	0.60	-3.34
0.9	0.51	0.60	-0.72
1.0	0.59	0.60	0.00
1.2	0.66	0.60	1.31
1.4	0.71	0.60	1.72
1.6	0.87	0.60	3.01
1.8	0.94	0.60	3.63
2.0	1.02	0.60	4.68
2.2	1.26	0.60	5.25
2.4	1.03	0.60	6.13
2.6	1.11	0.60	6.37
2.7	1.35	0.60	7.24
2.8	1.27	0.60	7.46
3.0	1.23	0.60	7.95
3.5	0.07	0.60	-21.57
4.0	0.03	0.60	-23.53
4.5	0.03	0.60	-23.53
5.0	0.05	0.60	-21.57



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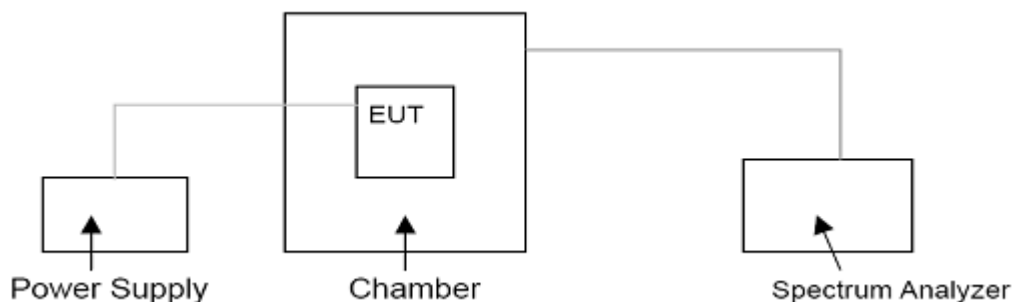
3.4 Frequency Stability

Limits

According to FCC 95.565

Each FRS transmitter type must be designed such that the carrier frequencies remain within ± 2.5 parts-per-million of the channel center frequencies specified in 95.563 during normal operating conditions.

Test Configuration



Test Procedure

The EUT was set in the climate chamber and connected to an external DC power supply. The RF output was directly connected to Spectrum Analyzer. The coupling loss of the additional cables was recorded and taken in account for all the measurements. After temperature stabilization (approx. 20 min for each stage), the frequency for the lower, the middle and the highest frequency range was recorded. For Frequency stability Vs. Voltage the EUT was connected to a DC power supply and the voltage was adjusted in the required ranges. The result was recorded.



HUAKE TESTING

Test Results

Test conditions		Frequency error (ppm)			Limit (ppm)	Result
Voltage(V)	Temp(°C)	462.6000MHz	462.6250MHz	462.6500MHz		
5.0	-30	0.44	0.85	0.92	2.5	Pass
	-20	0.71	0.65	1.03		
	-10	0.66	0.71	0.88		
	0	0.87	0.85	0.49		
	10	0.75	0.92	0.51		
	20	0.86	0.58	0.43		
	30	0.61	0.73	0.86		
	40	0.41	0.56	0.83		
	50	0.37	0.51	0.88		
4.25 (85% Rated)	20	0.41	0.89	0.95	2.5	Pass
5.75 (115% Rated)	20	0.26	0.45	0.71		

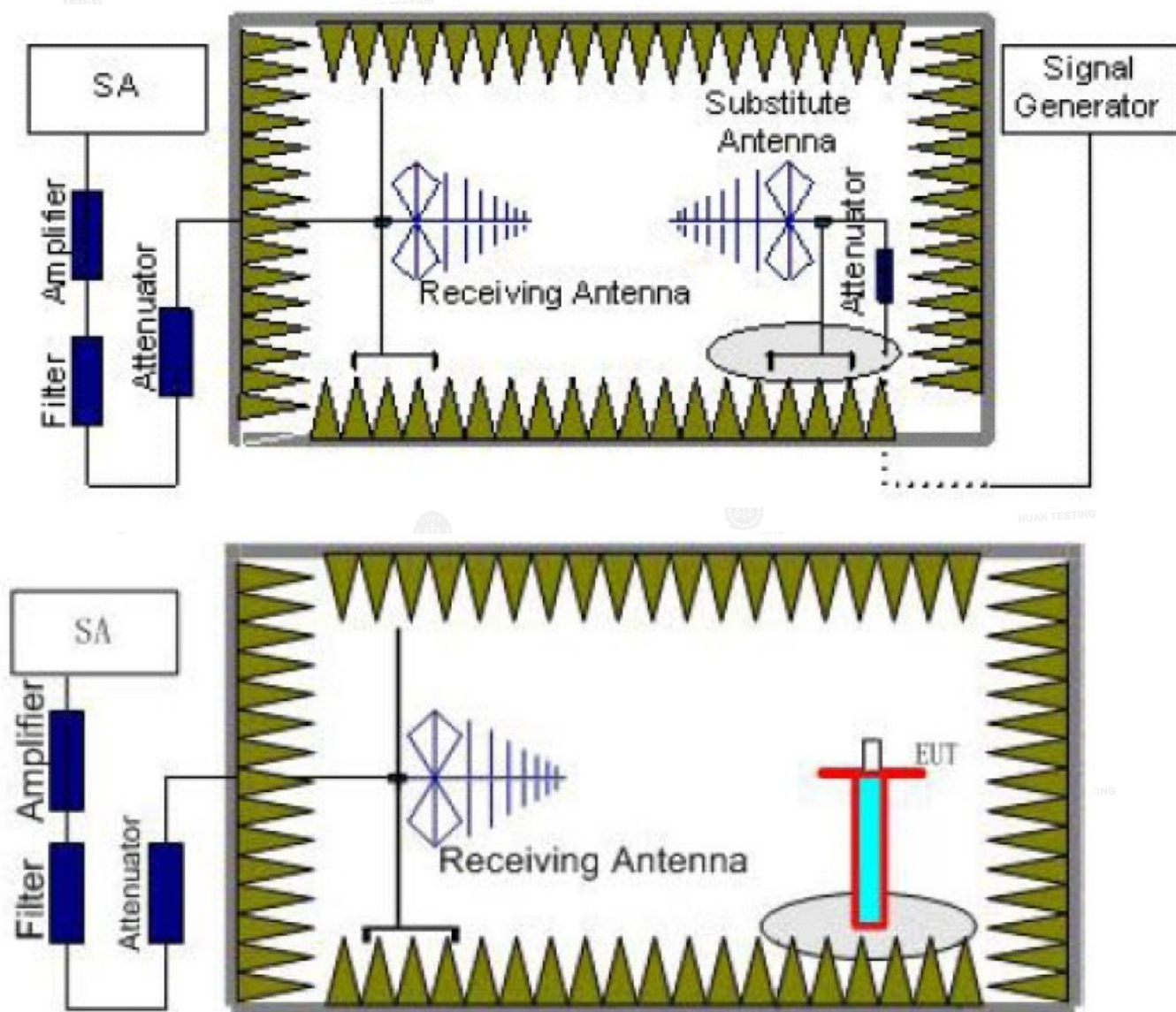
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3.5 Transmitter Radiated Spurious Emission

Limit

According to FCC section 95.579, the unwanted emission should be attenuated below TP by at least $43+10 \log (\text{Transmit Power})$ dB

Test Configuration





Test Procedure

- a. EUT was placed on a 0.8 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.0m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all test transmit frequencies were measured with peak detector.
- b. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
- c. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum 100 kHz below 1GHz and 1MHz above 1GHz, Sweep from 30MHz to the 10th harmonic of the fundamental frequency; and recorded the level of the concerned spurious emission point as (P_r).
- d. The EUT then replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization. The measurement results are obtained as described below:

$$\text{Power}_{(EIRP)} = P_{Mea} - P_{cl} + G_a$$

Where;

P_{Mea} is the recorded signal generator level

P_{cl} is the cable loss connect between instruments

G_a Substitution Antenna Gain

- e. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
- f. ERP can be calculated from EIRP by subtracting the gain of the dipole, $ERP = EIRP - 2.15\text{dBi}$.
- g. Test site anechoic chamber refer to ANSI C63.

**Test Results**

Remark: The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency; and worst spurious emissions recorded as below:

Test Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Distance (m)	G _a Antenna Gain(dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Pol.
462.6000	813.0	-34.44	4.39	3	12.87	-25.96	-20	5.96	V
	1219.5	-37.64	5.31	3	15.48	-27.47	-20	7.47	V
	1626.0	-45.05	4.39	3	17.32	-32.12	-20	12.12	V
	2023.5	-48.42	5.31	3	18.76	-34.97	-20	14.97	V
	--	--	--	--	--	--	--	--	--
462.6250	870.0	-35.53	3.88	3	12.98	-26.43	-20	6.43	V
	1305.0	-36.20	4.35	3	15.51	-25.04	-20	5.04	V
	1740.0	-40.46	4.76	3	17.44	-27.78	-20	7.78	V
	2175.0	-45.65	5.68	3	18.84	-32.49	-20	12.49	V
	--	--	--	--	--	--	--	--	--
462.6500	939.0	-33.93	3.95	3	13.11	-24.77	-20	4.77	V
	1408.5	-39.69	4.55	3	15.65	-28.59	-20	8.59	V
	1878.0	-43.73	4.79	3	17.58	-30.94	-20	10.94	V
	2347.5	-45.44	5.84	3	18.92	-32.36	-20	12.36	V
	--	--	--	--	--	--	--	--	--

Remark:

1. $EIRP = P_{Mea}(dBm) - P_{cl}(dB) + G_a(dBi)$
2. -- Means other points for values lower than limits and not recorded.
3. $Margin = Limit - EIRP$

3.6 Spurious Emission on Antenna Port

Limit

Please refer to FCC 47 CFR 2.1051, 2.1057, 95.579 for specification details.

Emissions shall be attenuated below the mean output power of the transmitter as follows:

- (1) 25 dB (decibels) in the frequency band 6.25 kHz to 12.5 kHz removed from the channel center frequency.
- (2) 35 dB in the frequency band 12.5 kHz to 31.25 kHz removed from the channel center frequency.
- (3) $43 + 10 \log (P)$ dB in any frequency band removed from the channel center frequency by more than 31.25 kHz.

$43 + 10 \log (P_{\text{watts}})$

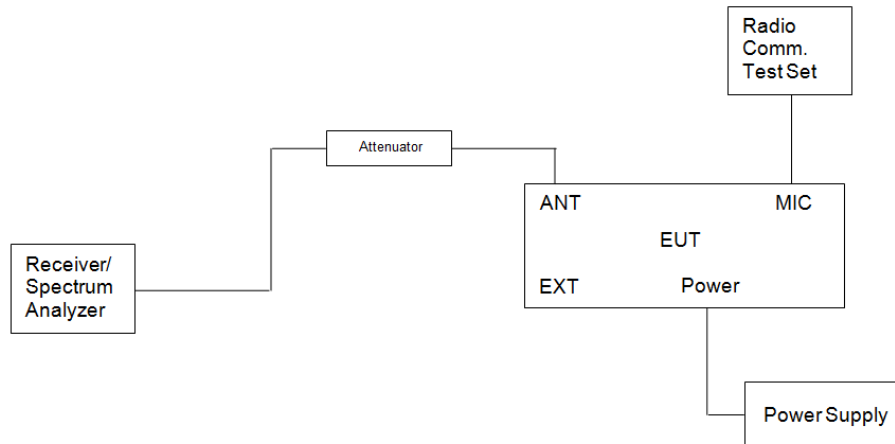
Calculation: Limit (dBm) = EL - $43 - 10 \log_{10} (TP)$

Notes: EL is the emission level of the Output Power expressed in dBm,

In this application, the EL is P (dBm).

Limit (dBm) = P (dBm) - $43 - 10 \log (P_{\text{watts}})$ = -13 dBm

Test Configuration

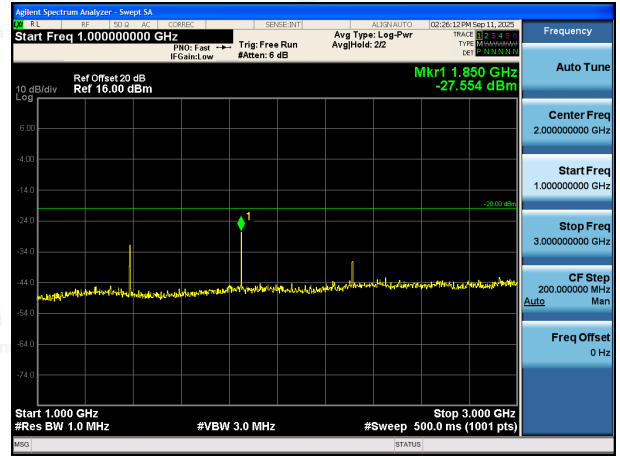
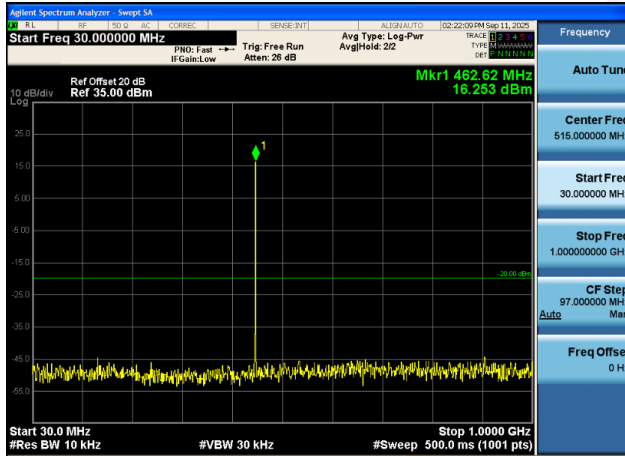


Test Procedure

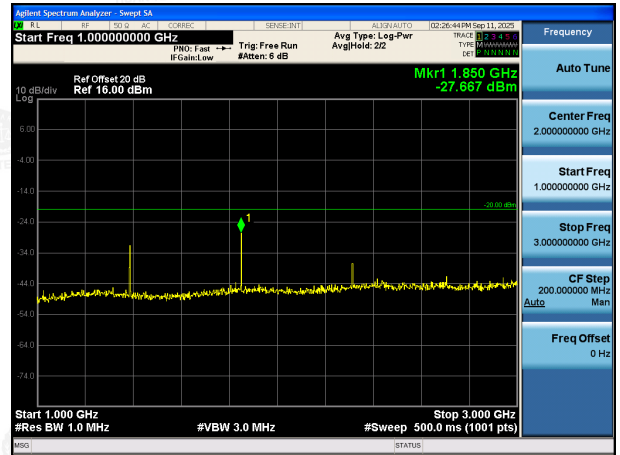
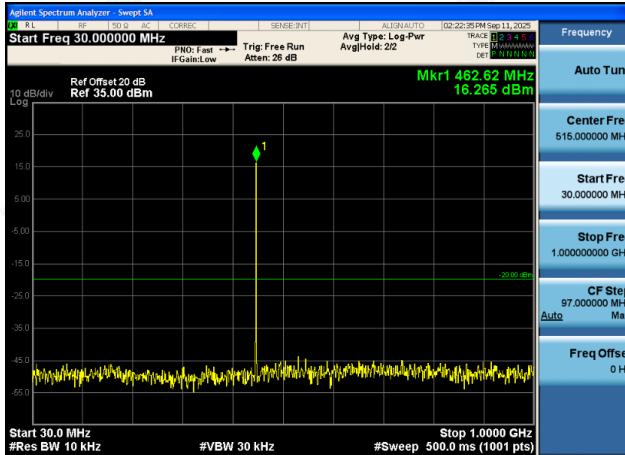
The RF output of the EUT was connected to a spectrum analyzer through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set to 10 kHz/1MHz. Sufficient scans were taken to show any out of band emission up to 10th. Harmonic for the lower and the highest frequency range. Set RBW 100 kHz, VBW 300 kHz in the frequency band 30MHz to 1GHz, while set RBW=1MHz, VBW=3MHz from the 1GHz to 10th Harmonic.

Test Results

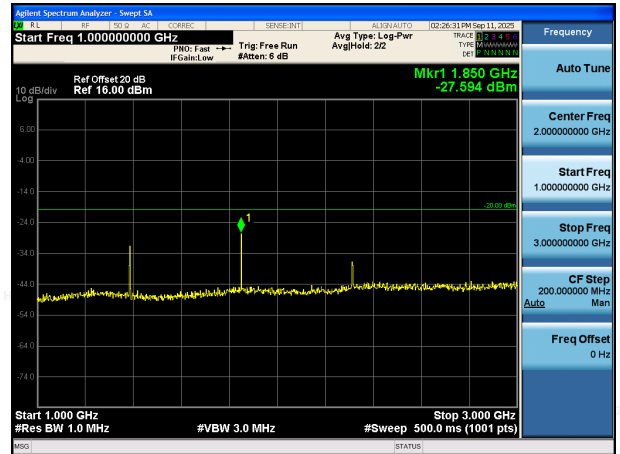
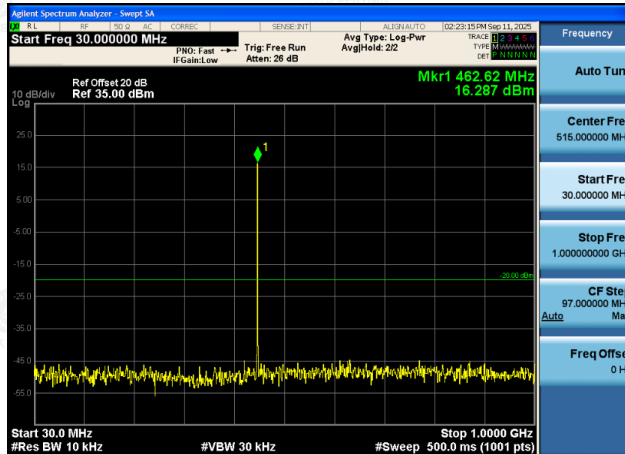
FM



CH1



CH2



CH3

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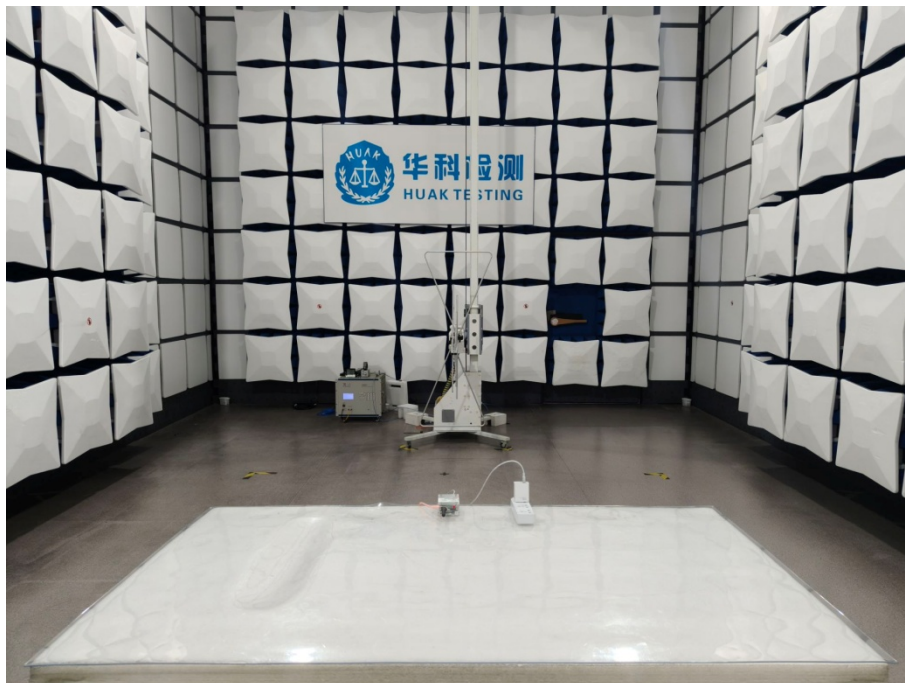
E-mail: info@huak.com

Web.: www.huak.com

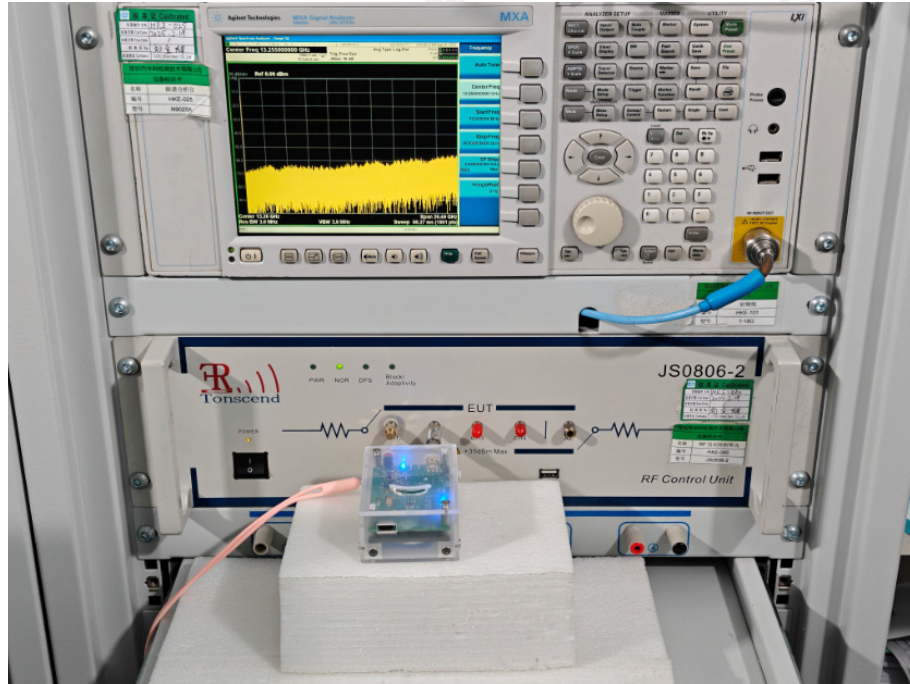
Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

4 Test Setup Photos of The EUT

Radiated Emission



RF Conducted Emission



5 Photos of the EUT

Reference to the report: ANNEX A of external photos and ANNEX B of internal photos.

-----End of test report-----

