FCC Test Report

Report No.: AGC12364231110FR01

FCC ID	:	MJO-5133
APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	GeoSafari Jr. My First Walkie Talkies
BRAND NAME	:	N/A
MODEL NAME	:	EI-5133
CLIENT	:	Educational Insights
DATE OF ISSUE	:	Dec. 05, 2023
STANDARD(S)	:	FCC Part 15 Subpart C Section 15.249
REPORT VERSION	:	V1.0

*A*ttestation of *G*lobal Compliance (Shenzhen) Co., Ltd

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Dec. 05, 2023	Valid	Initial release

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1. VERIFICATION OF CONFORMITY

Applicant	Educational Insights
Address	19800 S Vermont, Torrance, California 90502, United States
Manufacturer	Dongguan Yingsheng Electronics Company Limited
Address	No.4, Chikan Industry North 5 Road, Shipai Town, Dongguan City
Factory	Dongguan Yingsheng Electronics Company Limited
Address	No.4, Chikan Industry North 5 Road, Shipai Town, Dongguan City
Product Designation	GeoSafari Jr. My First Walkie Talkies
Brand Name	N/A
Test Model	EI-5133
Series Model	N/A
Difference description	N/A
Date of receipt of test item	Nov. 29, 2023
Date of test	Nov. 29, 2023 to Dec. 05, 2023
Deviation	None
Condition of Test Sample	Normal
Test Result	Pass
Report Template	AGCRT-US-BR/RF

Note: The test results of this report relate only to the tested sample identified in this report.

Prepared By	Bibo Zhang (Project Engineer)	Dec. 05, 2023
Reviewed By	Calvin Liu (Reviewer)	Dec. 05, 2023
Approved By	Max Zhang Authorized Officer	Dec. 05, 2023

2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

A major technical description of EUT is described as following

Operation Frequency	2.405 GHz to 2.475GHz
Maximum field strength	91.74dBuV/m(peak)@3m 85.95dBuV/m(Average)@3m
Modulation	GFSK
Number of channels	3
Hardware Version	V1.0
Software Version	V1.0
Antenna Designation	Wire Antenna
Antenna Gain	0dBi
Power Supply	DC 4.5V by battery

2.2. TABLE OF CARRIER FREQUENCYS

Frequency Band	Channel Number	Frequency
2400~2483.5MHz	00	2405MHz
	01	2440MHz
	02	2475MHz

3. MEASUREMENT UNCERTAINTY

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

- Uncertainty of Conducted Emission, Uc = ±2.9 dB
- Uncertainty of Radiated Emission below 1GHz, Uc = ±3.9 dB
- Uncertainty of Radiated Emission above 1GHz, Uc = ±4.9 dB
- Uncertainty of Occupied Channel Bandwidth: Uc = ±2 %

4. DESCRIPTION OF TEST MODES

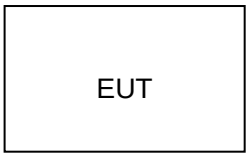
NO.	TEST MODE DESCRIPTION
1	Low channel
2	Middle channel
3	High channel

Note:
1. Only the result of the worst case was recorded in the report, if no other cases.
2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.

5. SYSTEM TEST CONFIGURATION

5.1. CONFIGURATION OF EUT SYSTEM

Configure :



5.2. EQUIPMENT USED IN EUT SYSTEM

Item	Equipment	Mfr/Brand	Model/Type No.	Remark
1	--	--	--	--

5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.249(a) §15.209	Radiated Emission	Compliant
§15.249(d)	Band Edges	Compliant
§15.207	Conduction Emission	Not applicable
§15.215	Band Width	Compliant

Note: The conducted emission tests at AC port are not required for devices which only employ battery power for operation.

6. TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd
Location	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Designation Number	CN1259
FCC Test Firm Registration Number	975832
A2LA Cert. No.	5054.02
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by A2LA

TEST EQUIPMENT OF RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
Test Receiver	R&S	ESCI	10096	Feb. 18, 2023	Feb. 17, 2024
Signal Analyzer	Aglient	N9020A	MY52090123	Jun. 01, 2023	May 31, 2024
EXA Signal Analyzer	Agilent	N9010A	MY53470504	Jun. 01, 2023	May 31, 2024
2.4GHz Filter	EM Electronics	N/A	N/A	Mar. 18, 2022	Mar. 19, 2024
Attenuator	ZHINAN	E-002	N/A	Aug. 04, 2022	Aug. 03, 2024
Horn Antenna	SCHWARZBEC	BBHA9170	768	Sep. 24, 2023	Sep. 23, 2025
Active Loop Antenna (9K-30Mhz)	ZHINAN	ZN30900C	18051	Mar. 12, 2022	Mar. 11, 2024
Double-Ridged Waveguide Horn	ETS	3117	00034609	Mar. 23, 2023	Mar. 22, 2024
Preamplifer	ETS	3117-PA	00246148	Aug. 04, 2022	Aug. 03, 2024
Wideband Antenna	SCHWARZBECK	VULB9168	VULB9168-494	Jan. 05, 2023	Jan. 04, 2024
Test Software	Tonscend	4.0.0.0	N/A	N/A	N/A

7. RADIATED EMISSION

7.1TEST LIMIT

Standard FCC15.249

Fundamental Frequency	Field Strength of Fundamental (millivolts/meter)	Field Strength of Harmonics (microvolts/meter)
900-928MHz	50	500
2400-2483.5MHz	50	500
5725-5875MHz	50	500
24.0-24.25GHz	250	2500

Standard FCC 15.209

Frequency (MHz)	Distance Meters	Field Strengths Limit	
		μV/m	dB(μV)/m
0.009 ~ 0.490	300	2400/F(kHz)	---
0.490 ~ 1.705	30	24000/F(kHz)	---
1.705 ~ 30	30	30	---
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	Other:74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Remark： (1) Emission level dBμV = 20 log Emission level μV/m

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

7.2. MEASUREMENT PROCEDURE

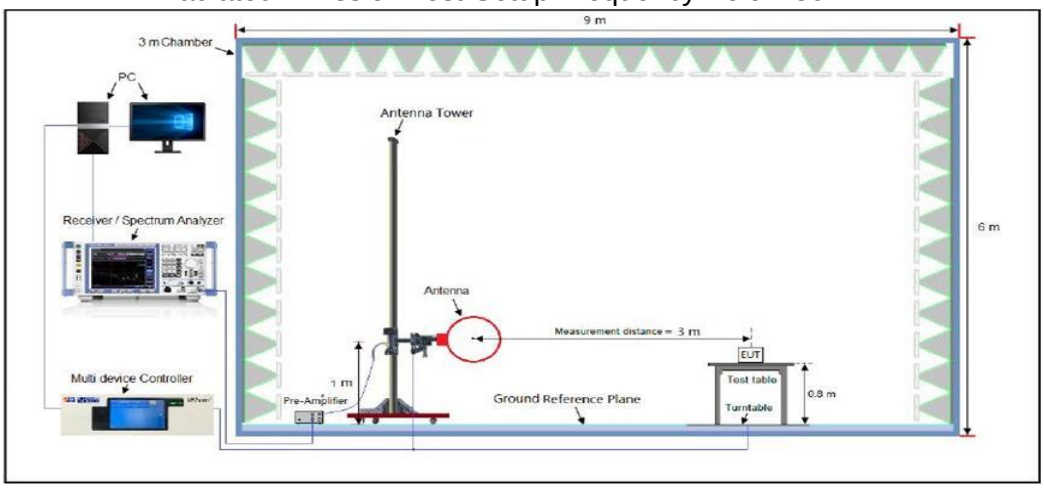
1. The measuring distance of 3m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation(Below 1GHz)
2. The measuring distance of 3m shall used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation(Above 1GHz)
3. The height of the test antenna shall vary between 1m to 4m.Both horizontal and vertical polarization Of the antenna are set to make the measurement.
4. The initial step in collecting radiated emission data is a receive peak detector mode. Pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
5. All readings are peak unless otherwise stated QP in column of Note. Peak denoted that the Peak reading compliance with the QP limits and then QP Mode measurement didn't perform(Below 1GHz)
6. All readings are Peak mode value unless otherwise stated AVG in column of Note. If the Peak mode measured value compliance with the Peak limits and lower than AVG Limits, the EUT shall be deemed to meet Peak & AVG limits and then only Peak mode was measured, but AVG mode didn't perform.(Above 1GHz)

The following table is the setting of spectrum analyzer and receiver.

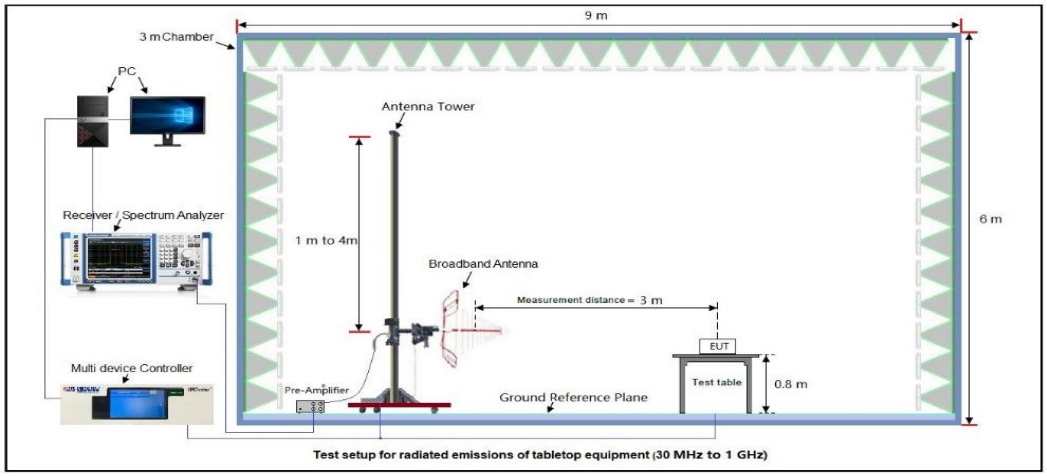
Spectrum Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP
Start ~Stop Frequency	Fundamental: 2.4~2.483GHz RBW 2MHz/ VBW 6MHz for Peak, RBW 2MHz/ VBW 10Hz for Average Harmonics: 1GHz~25GHz RBW 1MHz/ VBW 3MHz for Peak, RBW 1MHz/ VBW 10Hz for Average
Receiver Parameter	**Setting**
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP

7.3. TEST SETUP

Radiated Emission Test-Setup Frequency Below 30MHz

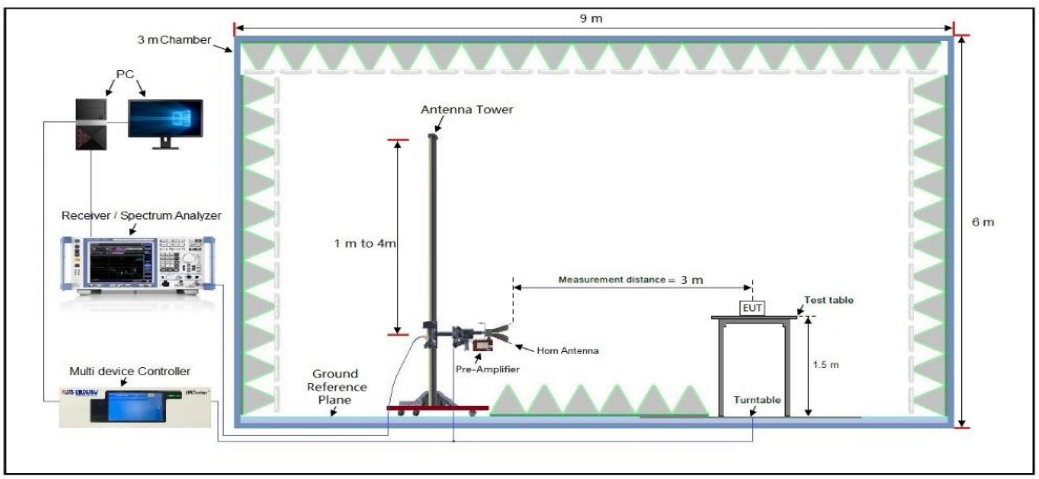


RADIATED EMISSION TEST SETUP 30MHz-1000MHz



Test setup for radiated emissions of tabletop equipment (30 MHz to 1 GHz)

RADIATED EMISSION TEST SETUP ABOVE 1000MHz



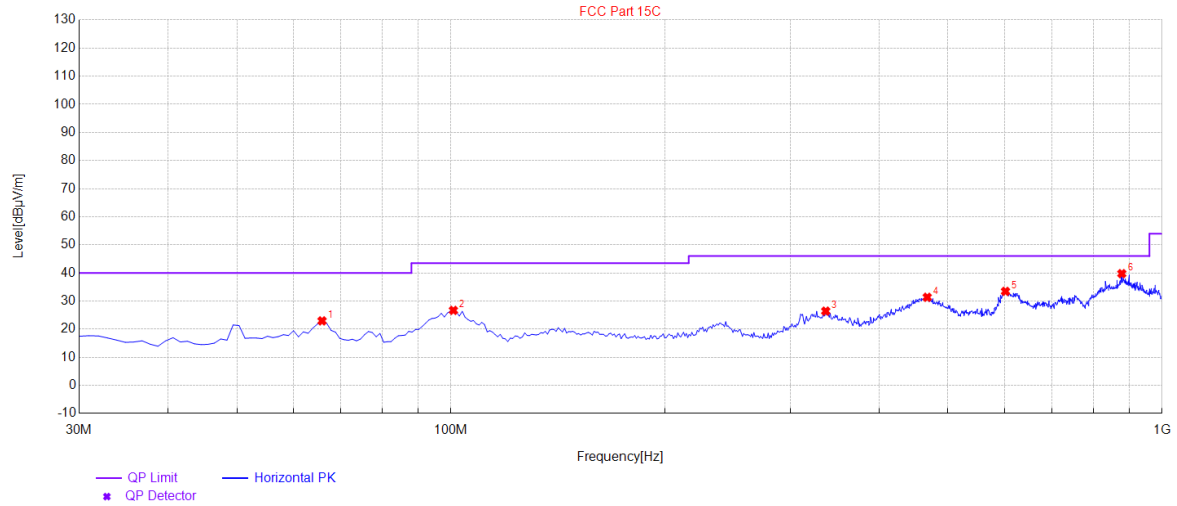
7.4. TEST RESULT

RADIATED EMISSION BELOW 30MHz

No emission found between lowest internal used/generated frequencies to 30MHz.

RADIATED EMISSION 30MHz- 1GHZ FOR BR/EDR

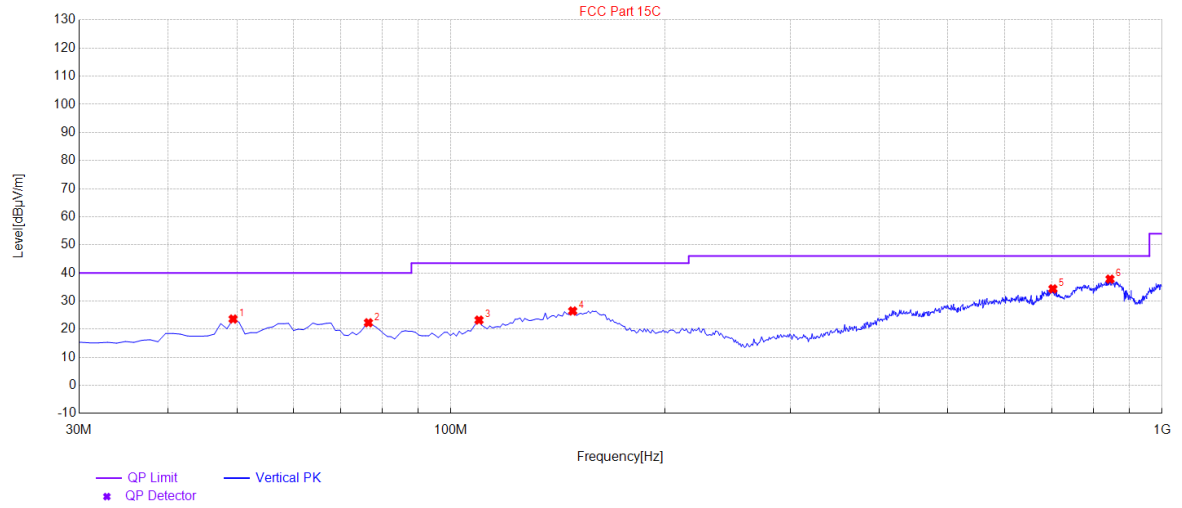
EUT：	GeoSafari Jr. My First Walkie Talkies	Model Name. ：	EI-5133
Temperature：	24.0 ℃	Relative Humidity：	59.8%
Pressure：	985 Mbar	Test Voltage ：	DC 4.5V
Test Mode ：	Mode 1	Polarization：	Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	65.89	22.95	11.99	40.00	17.05	100	1	Horizontal
2	100.81	26.69	21.07	43.50	16.81	100	278	Horizontal
3	336.52	26.42	20.95	46.00	19.58	100	358	Horizontal
4	467.47	31.35	26.93	46.00	14.65	100	78	Horizontal
5	602.3	33.45	28.64	46.00	12.55	100	86	Horizontal
6	877.78	39.77	32.91	46.00	6.23	100	1	Horizontal

RESULT: PASS

EUT :	GeoSafari Jr. My First Walkie Talkies	Model Name. :	EI-5133
Temperature :	24.0 ℃	Relative Humidity :	59.8%
Pressure :	985 Mbar	Test Voltage :	DC 4.5V
Test Mode :	Mode 1	Polarization :	Vertical



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	49.4	23.61	13.23	40.00	16.39	100	127	Vertical
2	76.56	22.29	12.62	40.00	17.71	100	336	Vertical
3	109.54	23.23	15.06	43.50	20.27	100	221	Vertical
4	148.34	26.46	20.72	43.50	17.04	100	328	Vertical
5	702.21	34.34	28.88	46.00	11.66	100	26	Vertical
6	844.8	37.82	32.39	46.00	8.18	100	144	Vertical

RESULT: PASS

Note: 1. Factor=Antenna Factor + Cable loss, Margin= Limit -Level.

2. The “Factor” value can be calculated automatically by software of measurement system.

FIELD STRENGTH OF FUNDAMENTAL FOR BR/EDR

EUT：	GeoSafari Jr. My First Walkie Talkies	Model Name. ：	EI-5133
Temperature：	25.0 ℃	Relative Humidity：	50%
Pressure：	985 Mbar	Test Voltage ：	DC 4.5V
Test Modulation ：	GFSK	Polarization：	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
2405	78.28	13.46	91.74	114.00	-22.26	peak
2405	72.49	13.46	85.95	94.00	-8.05	AVG
2440	77.36	13.88	91.24	114.00	-22.76	peak
2440	71.58	13.88	85.46	94.00	-8.54	AVG
2475	77.06	14.11	91.17	114.00	-22.83	peak
2475	71.18	14.11	85.29	94.00	-8.71	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	GeoSafari Jr. My First Walkie Talkies	Model Name. ：	EI-5133
Temperature：	25.0 ℃	Relative Humidity：	50%
Pressure：	985 Mbar	Test Voltage ：	DC 4.5V
Test Modulation ：	GFSK	Polarization：	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
2405	76.69	13.46	90.15	114.00	-23.85	peak
2405	69.31	13.46	82.77	94.00	-11.23	AVG
2440	75.47	13.88	89.35	114.00	-24.65	peak
2440	69.03	13.88	82.91	94.00	-11.09	AVG
2475	74.24	14.11	88.35	114.00	-25.65	peak
2475	69	14.11	83.11	94.00	-10.89	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ FOR BR/EDR

EUT：	GeoSafari Jr. My First Walkie Talkies	Model Name. ：	EI-5133
Temperature：	24.0 ℃	Relative Humidity：	59.8%
Pressure：	985 Mbar	Test Voltage ：	DC 4.5V
Test Mode ：	Mode 1	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4810	44.39	7.12	51.51	74	-22.49	peak
4810	37.12	7.12	44.24	54	-9.76	AVG
7215	40.15	9.84	49.99	74	-24.01	peak
7215	28.35	9.84	38.19	54	-15.81	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	GeoSafari Jr. My First Walkie Talkies	Model Name. ：	EI-5133
Temperature：	24.0 ℃	Relative Humidity：	59.8%
Pressure：	985 Mbar	Test Voltage ：	DC 4.5V
Test Mode ：	Mode 1	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4810	45.28	7.12	52.4	74	-21.6	peak
4810	36.84	7.12	43.96	54	-10.04	AVG
7215	40.24	9.84	50.08	74	-23.92	peak
7215	27.26	9.84	37.1	54	-16.9	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	GeoSafari Jr. My First Walkie Talkies	Model Name. ：	EI-5133
Temperature：	24.0 ℃	Relative Humidity：	59.8%
Pressure：	985 Mbar	Test Voltage ：	DC 4.5V
Test Mode ：	Mode 2	Polarization：	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4880	44.69	7.12	51.81	74	-22.19	peak
4880	39.24	7.12	46.36	54	-7.64	AVG
7320	39.64	9.84	49.48	74	-24.52	peak
7320	30.15	9.84	39.99	54	-14.01	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	GeoSafari Jr. My First Walkie Talkies	Model Name. ：	EI-5133
Temperature：	24.0 ℃	Relative Humidity：	59.8%
Pressure：	985 Mbar	Test Voltage ：	DC 4.5V
Test Mode ：	Mode 2	Polarization：	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4880	43.94	7.12	51.06	74	-22.94	peak
4880	38.42	7.12	45.54	54	-8.46	AVG
7320	37.51	9.84	47.35	74	-26.65	peak
7320	28.42	9.84	38.26	54	-15.74	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	GeoSafari Jr. My First Walkie Talkies	Model Name. ：	EI-5133
Temperature：	24.0 ℃	Relative Humidity：	59.8%
Pressure：	985 Mbar	Test Voltage ：	DC 4.5V
Test Mode ：	Mode 3	Polarization：	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4950	45.29	7.12	52.41	74	-21.59	peak
4950	39.24	7.12	46.36	54	-7.64	AVG
7425	41.25	9.84	51.09	74	-22.91	peak
7425	32.46	9.84	42.3	54	-11.7	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	GeoSafari Jr. My First Walkie Talkies	Model Name. ：	EI-5133
Temperature：	24.0 ℃	Relative Humidity：	59.8%
Pressure：	985 Mbar	Test Voltage ：	DC 4.5V
Test Mode ：	Mode 3	Polarization：	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4950	44.36	7.12	51.48	74	-22.52	peak
4950	37.25	7.12	44.37	54	-9.63	AVG
7425	39.64	9.84	49.48	74	-24.52	peak
7425	31.24	9.84	41.08	54	-12.92	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Note: Other emissions from 8G to 25 GHz are considered as ambient noise. No recording in the test report.
Factor=Antenna Factor + Cable loss - Amplifier gain, Margin=Measurement-Limit.
The “Factor” value can be calculated automatically by software of measurement system.

8. BAND EDGE EMISSION

8.1TEST LIMIT

Frequency Band	Limit of the Field Strength (dBμV/m)	
	Peak	Average
f≤2400MHz	74	54
f≥2483.5MHz	74	54

8.2. MEASUREMENT PROCEDURE

1. The EUT operates at transmitting mode. The operate channel is tested to verify the largest transmission and spurious emissions power at the continuous transmission mode.

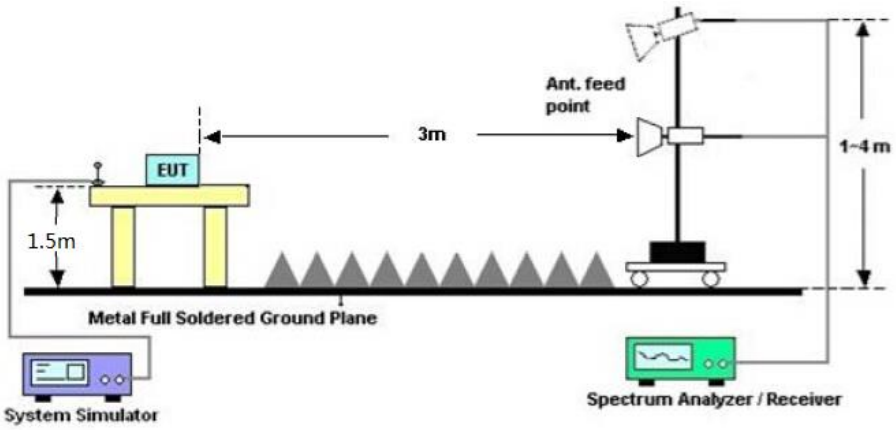
2. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission: (a) PEAK: RBW=1MHz, VBW=3MHz / Sweep=AUTO

(b) AVERAGE: RBW=1MHz ; VBW=1/on time / Sweep=AUTO

3. Other procedures refer to clause 8.2.

8.3 TEST SETUP

RADIATED EMISSION TEST SETUP



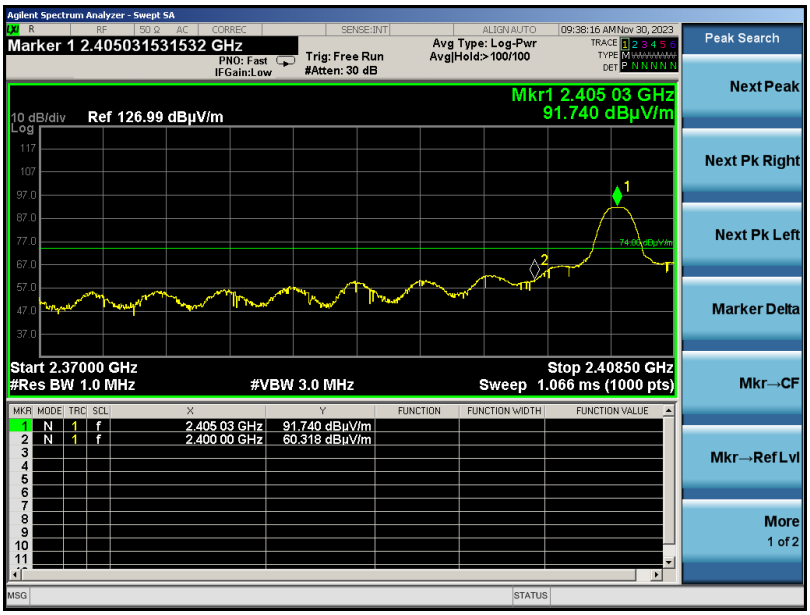
8.4 TEST RESULT

Note:

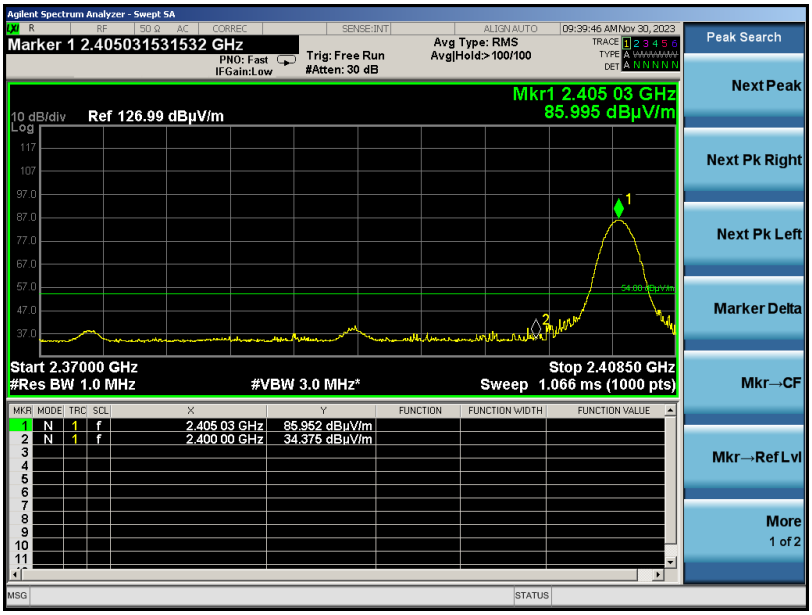
1. Factor=Antenna Factor + Cable loss - Amplifier gain. Field Strength=Factor + Reading level
2. The factor had been edited in the “Input Correction” of the Spectrum Analyzer. So the Amplitude of test plots is equal to Reading level plus the Factor in dB. Use the A dB(μV) to represent the Amplitude. Use the F dB(μV/m) to represent the Field Strength. So A=F.

EUT：	GeoSafari Jr. My First Walkie Talkies	Model Name. ：	EI-5133
Temperature：	25.0 ℃	Relative Humidity：	50%
Pressure：	985 Mbar	Test Voltage ：	DC 4.5V
Test Mode ：	Mode 1	Polarization：	Horizontal

Peak Value

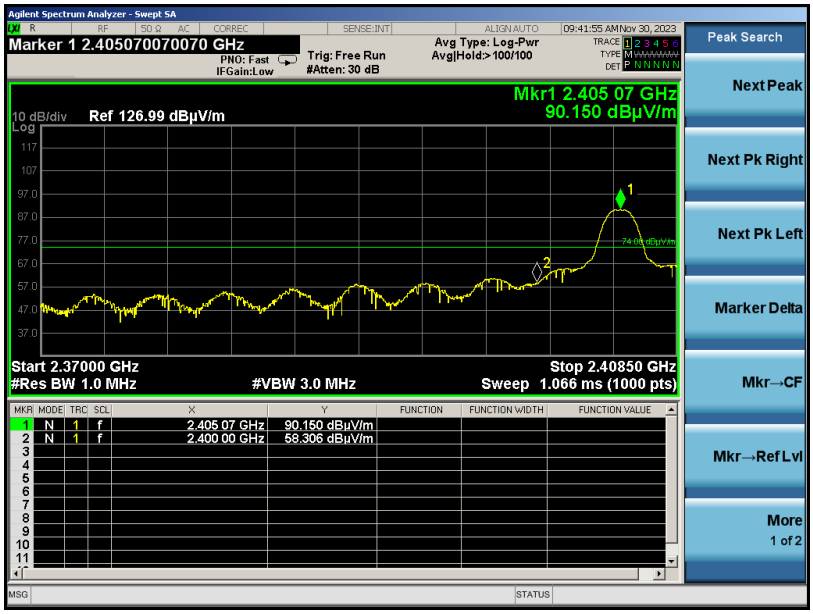


Average Value

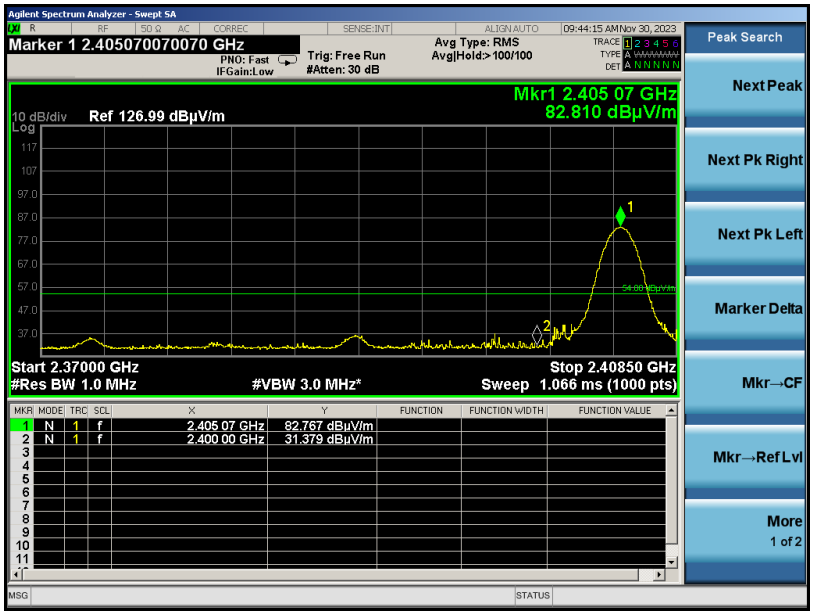


EUT :	GeoSafari Jr. My First Walkie Talkies	Model Name. :	EI-5133
Temperature :	25.0 ℃	Relative Humidity :	50%
Pressure :	985 Mbar	Test Voltage :	DC 4.5V
Test Mode :	Mode 1	Polarization :	Vertical

Peak Value



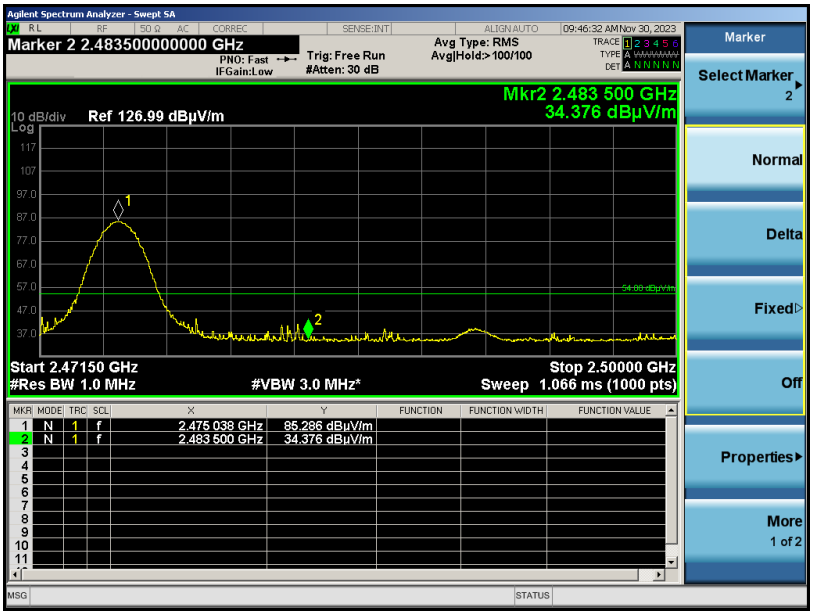
Average Value



EUT :	GeoSafari Jr. My First Walkie Talkies	Model Name. :	EI-5133
Temperature :	25.0 ℃	Relative Humidity :	50%
Pressure :	985 Mbar	Test Voltage :	DC 4.5V
Test Mode :	Mode 3	Polarization :	Horizontal

Peak Value

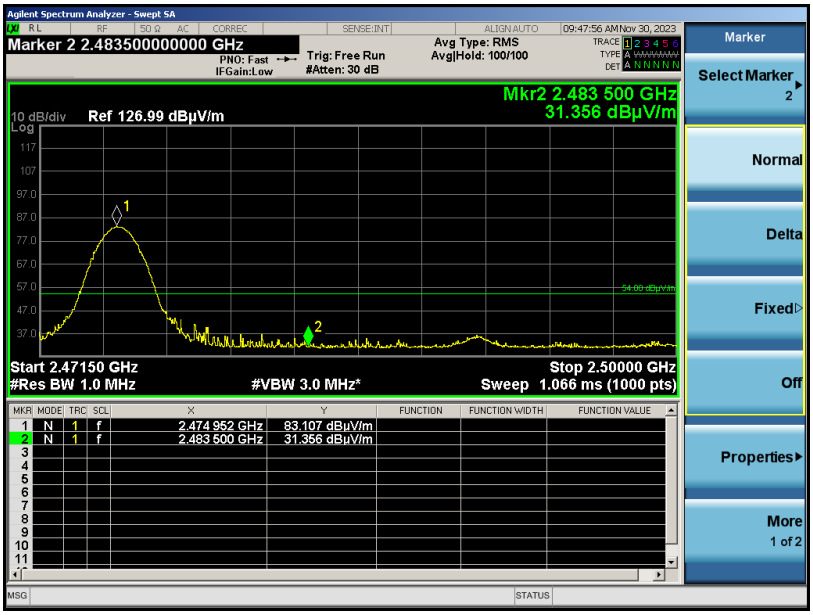
Average Value



EUT：	GeoSafari Jr. My First Walkie Talkies	Model Name. ：	EI-5133
Temperature：	25.0 ℃	Relative Humidity：	50%
Pressure：	985 Mbar	Test Voltage ：	DC 4.5V
Test Mode ：	Mode 3	Polarization：	Vertical

Peak Value

Average Value

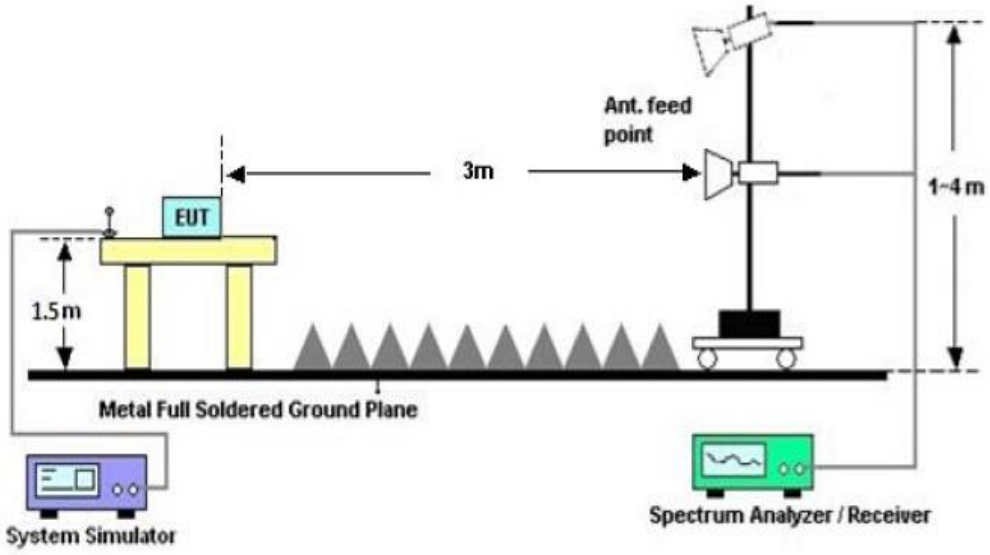


9. 20DB BANDWIDTH

9.1. MEASUREMENT PROCEDURE

1. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
2. Set Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hoping channel
   RBW ≥ 1% of the 20 dB bandwidth, VBW ≥ 3RBW; Sweep = auto; Detector function = peak
3. Set SPA Trace 1 Max hold, then View.

9.2. TEST SET-UP

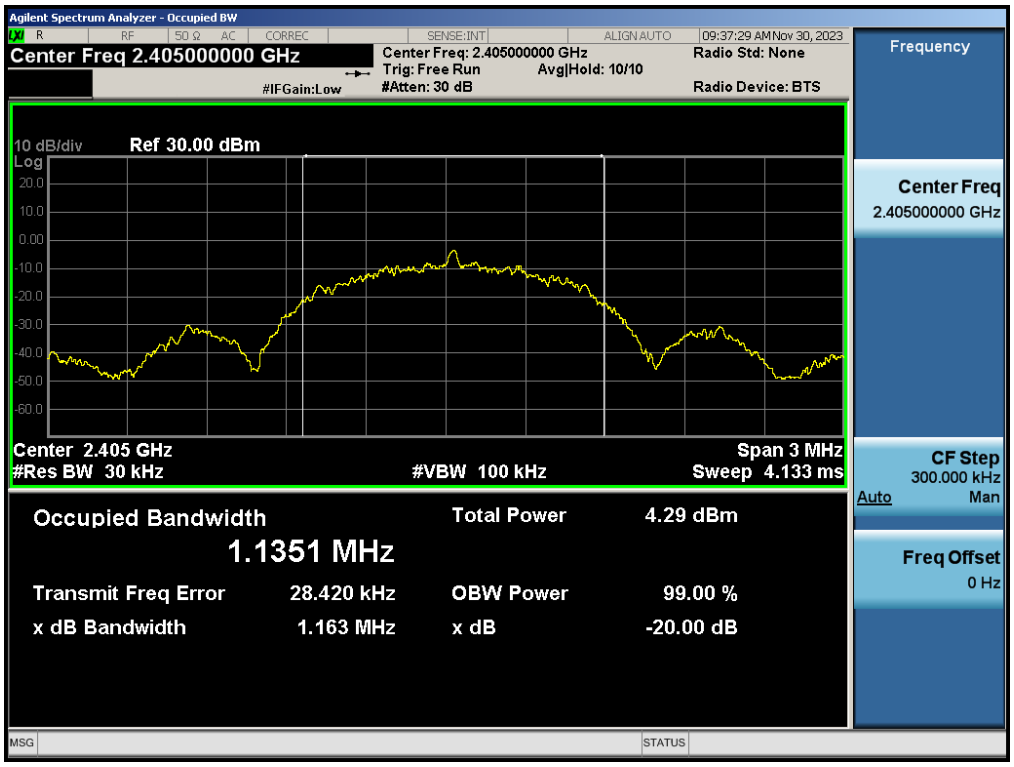


9.3. LIMITS AND MEASUREMENT RESULTS

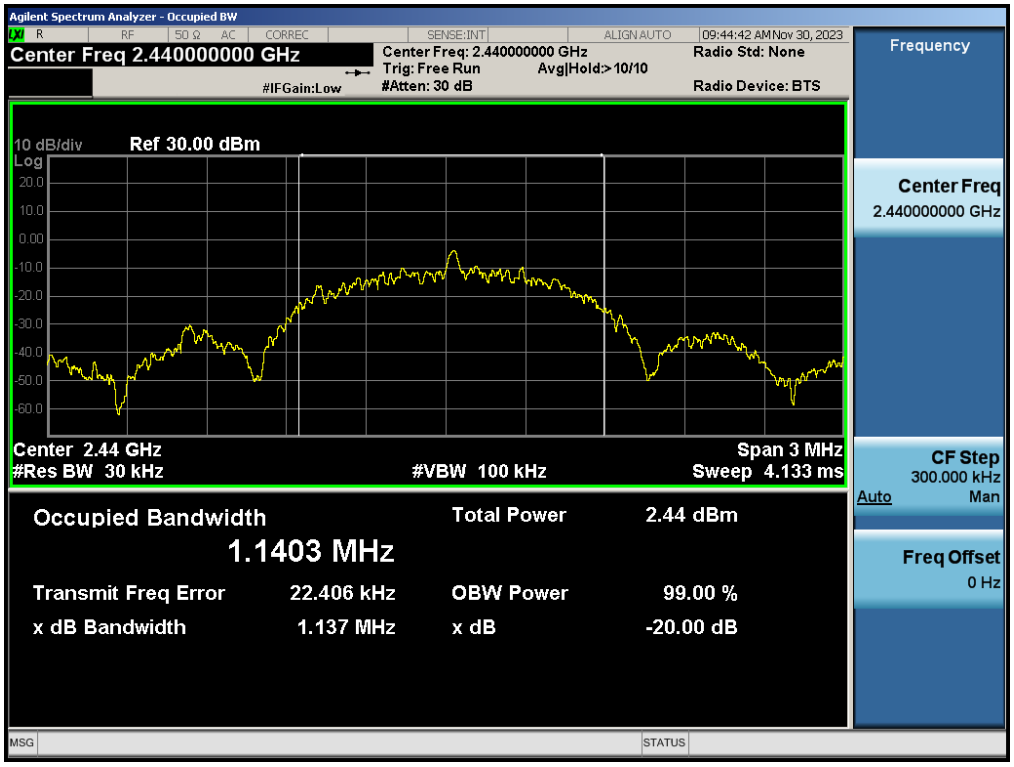
TEST ITEM	20DB BANDWIDTH
TEST MODULATION	GFSK

Test Data (MHz)		**Criteria**
Low Channel	1.163	PASS
Middle Channel	1.137	PASS
High Channel	1.171	PASS

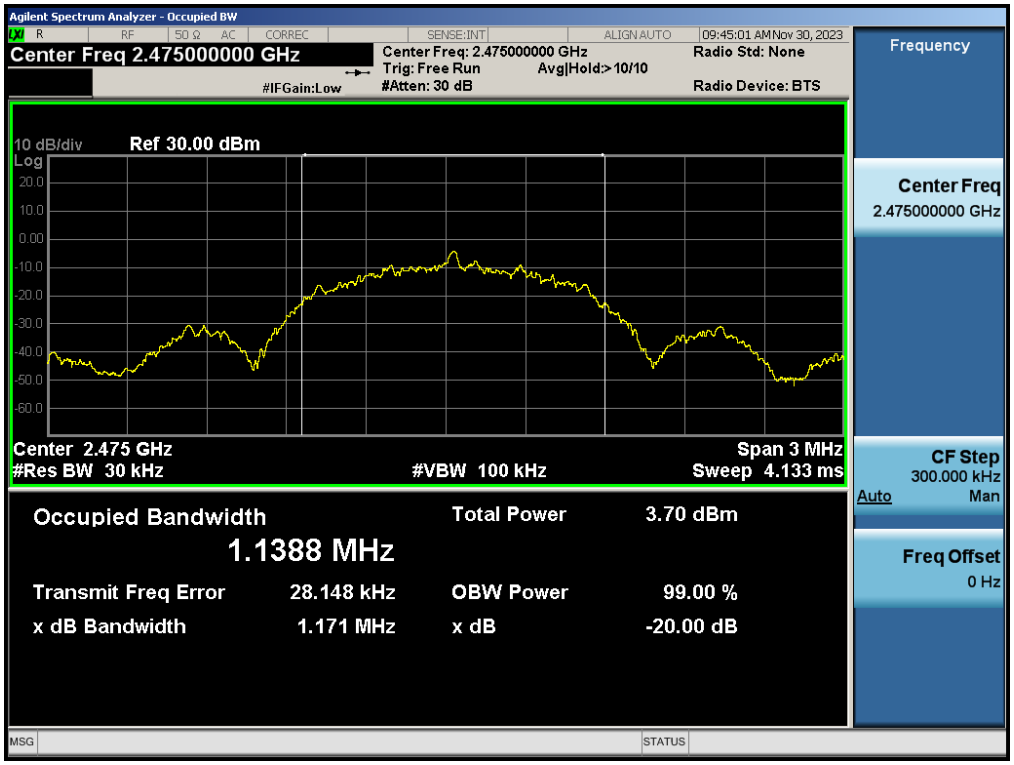
TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



10. FCC LINE CONDUCTED EMISSION TEST

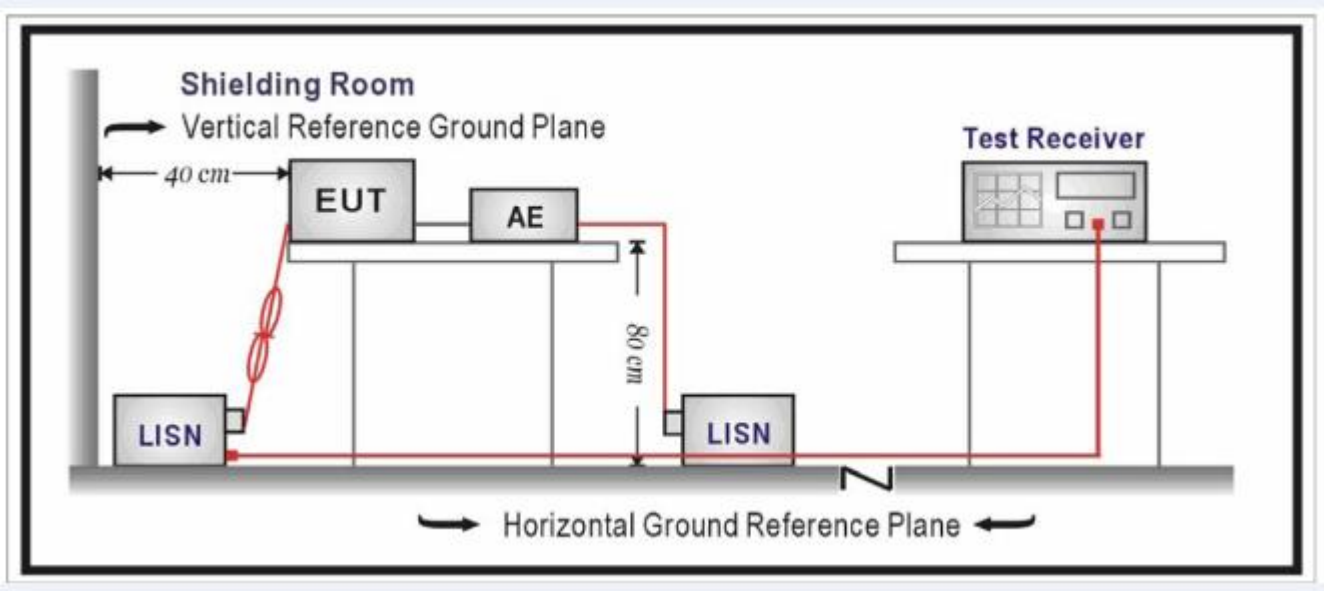
10.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Frequency	Maximum RF Line Voltage	
	Q.P.(dBuV)	Average(dBuV)
150kHz~500kHz	66-56	56-46
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Note:

1. The lower limit shall apply at the transition frequency.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

10.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



10.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10-2013 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
2. Support equipment, if needed, was placed as per ANSI C63.10-2013.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10-2013.
4. All support equipments received AC120V/60Hz power from a LISN, if any.
5. The EUT received DC 5V power by adapter which received AC120V/60Hzpower by a LISN.
6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.
9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

10.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
3. The test data of the worst case condition(s) was reported on the Summary Data page.

10.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

N/A

Note: The conducted emission tests at AC port are not required for devices which only employ battery power for operation.

APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Refer to the Report No.: AGC12364231110AP01

APPENDIX B: PHOTOGRAPHS OF EUT

Refer to the Report No.: AGC12364231110AP02

----END OF REPORT----

Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").

2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3.The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

7.Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.

9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.