

TEST REPORT

Report No.	CISRR26082138701
Project No.	CISR260821387
FCC ID	2A3ZQ-GL628
Applicant	Shenzhen Geling Technology Co., Ltd.
Address	4th Floor, Building 2, No.302, Huarong Road,Dalang Street, Longhua District,Shenzhen
Manufacturer	Shenzhen Geling Technology Co., Ltd.
Address	4th Floor, Building 2, No.302, Huarong Road,Dalang Street, Longhua District,Shenzhen
Product Name	Walkie Talkies for Kids
Trade mark	--
Model/Type reference	GL-628
Listed Model(s)	-
Standard	47 Part 95 Subpart B
Date of sample receipt	August 21, 2026
Test date	August 22, 2026 ~ September 24, 2026
Issue date	September 24, 2026
Test result	Complied

Morgan Tan

Reviewed by: Morgan Tan



Approved by: Hans Hu

The test results relate only to the tested samples.
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1. STANDARD AND APPLICABLE TEST METHODS

The tests were performed according to following standards:

- [FCC Rules Part 95](#): PERSONAL RADIO SERVICES
- [FCC Rules Part 2](#): Frequency allocations and radio treaty matters; General rules and regulations
- [ANSI C63.26-2015](#): American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services
- [ANSI C63.4-2014](#): American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz

2. REPORT VERSION

Version No.	Issue date	Description
00	September 24, 2026	Original

3. TEST DESCRIPTION

Report clause	Test Items	Standard Requirement	Result
6.1	Antenna requirement	FCC Part 15.203	PASS
6.2	Carrier Output Power(ERP)	Part 95.567 Part 2.1046(a)	PASS
6.3	AC Power Line Conducted Emission	FCC part 15.107(a)	PASS
6.4	99% Occupied Bandwidth & 26dB bandwidth	Part 95.573 Part 2.1049	PASS
6.5	Emission Mask	Part 95.579(a)(1)(2)(3) Part 2.1049	PASS
6.6	Modulation Limit	Part 95.575 Part 2.1047(b)	PASS
6.7	Audio Frequency Response	Part 95.575 Part 2.1047(a)	PASS
6.8	Frequency Stability V.S. Temperature	Part 95.565 Part 2.1055	PASS
6.9	Frequency Stability V.S. Voltage	Part 95.565 Part 2.1055	PASS
6.10	Transmit Radiated Spurious Emission	Part 95.579(a)(3) Part 2.1053	PASS

Note:

- The measurement uncertainty is not included in the test result.

4. SUMMARY

4.1. Product Description

Main unit information:	
Product Name:	Walkie Talkies for Kids
Trade mark:	--
Model No.:	GL-628
Listed Model(s):	-
Model difference:	-
Power supply:	DC 5V from USB-C Port DC 3.7V from battery
Hardware version:	--
Software version:	--
Accessory unit information:	
Battery information:	DC 3.7V 1000mAh 3.7Wh

4.2. Radio Specification Description

Support Frequency Range:	CH01~CH07:	462.5625MHz~ 462.7125MHz
	CH08~CH14:	467.5625MHz~ 467.7125MHz
	CH15~CH22:	462.5500MHz~ 462.7250MHz
Modulation Type:	FRS	
Emission Designator: *1	11K0F3E	
Antenna Type:	Spring Antenna	
Antenna Gain:	462MHz:-10.18dBi	
	467MHz:-9.63dBi	

Note:

- (1) *1 According to FCC Part 2.202 requirements, the Necessary Bandwidth is calculated as follows:
 - For FM Voice Modulation
 Channel Spacing = 12.5 KHz, D = 2.5 KHz max, K = 1, M = 3 KHz
 $B_n = 2M + 2DK = 2 \times 3 + 2 \times 2.5 \times 1 = 11 \text{ KHz}$
 Emission designation: 11K0F3E
- (2) The device only supports voice communication.

4.3. Modification of EUT

No modifications are made to the EUT during all test items.

4.4. Deviation from standards

None

4.5. Testing Laboratory Information

Laboratory Name	Shenzhen Bangce Testing Technology Co., Ltd.
Laboratory Location	101, building 10, Yunli Intelligent Park, Shutianpu community, Matian Street, Guangming District, Shenzhen, Guangdong, China
Contact information	Tel: 86-755-2319 6848, email: service@cis-cn.net Website: http://www.cis-cn.net/
FCC registration number	736346
FCC designation number	CN1372

5. TEST CONFIGURATION

5.1. Test frequency list

According to ANSI C63.26 section 5.1.2.1:

Measurements of transmitters shall be performed and, if required, reported for each frequency band in which the EUT can be operated with the device transmitting at the number of frequencies in each band specified in Table 2.

Frequency range over which EUT operates	Number of frequencies	Location in frequency range of operation
1 MHz or less	1	Middle
1 MHz to 10 MHz	2	1 near top and 1 near bottom
More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom

Test Channel	Channel No.	Frequency (MHz)	Frequency band (MHz)
CH _{M1}	CH4	462.6375	462.5625~462.7125
CH _{M2}	CH11	467.6375	467.5625~467.7125
CH _{M3}	CH19	462.6500	462.5500~462.7250

The Product channel frequency table:

Test Channel	Channel No.	Frequency (MHz)	Frequency band (MHz)
01	462.5625	12	467.6625
02	462.5875	13	467.6875
03	462.6125	14	467.7125
04	462.6375	15	462.5500
05	462.6625	16	462.5750
06	462.6875	17	462.6000
07	462.7125	18	462.6250
08	467.5625	19	462.6500
09	467.5875	20	462.6750
10	467.6125	21	462.7000
11	467.6375	22	462.7250

5.2. Test mode

Test mode	Transmitting	Charging
TX-FRS	√	
Charging		√

Note:

√: is operation mode.

Modulation Type	Description
UM	Un-modulation
AM2	Apply a 1000 Hz tone and adjust the audio frequency generator to produce 20% of the rated system deviation.
AM6	Apply a 1000 Hz modulating signal to the transmitter from the audio frequency generator, and adjust the level to obtain 60% of full rated system deviation, then increase the level from the audio generator by 20 dB
AM5	Modulate the transmitter with a 2500 Hz sine wave at an input level 16 dB greater than that necessary to produce 50% of rated system deviation.

Test item	Modulation Type	Test mode
Output Power(ERP)	UM	TX-FRS
99% Occupied Bandwidth & 26dB bandwidth	AM6	TX-FRS
Emission Mask	AM5	TX-FRS
Modulation Limit	AM6	TX-FRS
Audio Frequency Response	AM2	TX-FRS
Frequency Stability VS Temperature	UM	TX-FRS
Frequency Stability VS Voltage	UM	TX-FRS
Transmit Radiated Spurious Emission	AM5	TX-FRS
AC Power Line Conducted Emission	-	Charging
Radiated Emission	-	Charging

5.3. Support unit used in test configuration

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Item	Equipment name	Trade Name	Model No.
1	Adapter	Guangdong Sangu Technology Co. Ltd	SG-0501000AU

5.4. Test sample information

Type	Sample No.
Engineer sample	CISR260821387-S01
Normal sample	CISR260821387-S02

5.5. Environmental conditions

Type	Requirement
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Temperature:	15~35°C
Relative Humidity:	25~75%
Air Pressure:	860~1060mbar

5.6. Statement of the measurement uncertainty

No.	Test Items	Measurement Uncertainty
1	Frequency stability	25 Hz
2	Bandwidth	35 Hz
3	Carrier output power (ERP)	2.20 dB
4	Modulation Limiting	0.42 %
5	FM deviation	25 Hz
6	Audio level	0.62 dB
7	Radiated Spurious Emission	3.76dB for 30MHz-1GHz 3.80dB for above 1GHz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

5.7. Equipment Used during the Test

Conducted emissions on AC mains						
Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	8*4*3 Shielding room	SKET	8m*4m*3 m	CIS-EE012	2024-09-02	2027-09-01
2	EMI Test Receiver	ROHDE&SCHWARZ	ESPI7	CIS-EE043	2026-01-06	2027-01-05
3	LISN	SCHWARZBECK	NSLK 8127	CIS-EE044	2026-01-06	2027-01-05
4	LISN-AE	ETS	3810/2N M	CIS-EE075	2026-01-06	2027-01-05
5	RF Cable	SKET	-	CIS-EE071	2026-01-06	2027-01-05
6	Power Strip	BULL	GNIN-413	CIS-EE087	2026-01-06	2027-01-05
7	Test software	FARAD	EZ-CON	CIS-EE095	/	/
8	Thermohygrometer	DeLi	8866	CIS-EE069	2026-01-06	2027-01-05
Radiated emissions (Below 1GHz)						
Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	9*6*6 Chamber	SKET	9m*6m*6 m	CIS-EE011	2024-09-02	2027-09-01
2	EMI Test Receiver	ROHDE&SCHWARZ	ESCI	CIS-EE016	2026-01-06	2027-01-05
3	Broadband Antenna	SCHWARZBECK	VULB 9163	CIS-EE018	2026-01-06	2029-01-05
4	Preamplifier	Tonscend	TAP9K3G 40	CIS-EE021	2026-01-06	2027-01-05
5	RF Cable	Tonscend	-	CIS-EE025	2026-01-06	2027-01-05
6	Test software	FARAD	EZ-EMC RE	CIS-EE097	/	/
7	Thermohygrometer	DeLi	8866	CIS-EE067	2026-01-06	2027-01-05
Radiated emissions (Above 1GHz)						
Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	9*6*6 Chamber	SKET	9m*6m*6 m	CIS-EE011	2024-09-02	2027-09-01
2	Double Ridged Broadband Horn Antennas	SCHWARZBECK	BBHA 9120D	CIS-EE019	2026-01-06	2029-01-05
3	Preamplifier	Tonscend	TAP0101 8050	CIS-EE022	2026-01-06	2027-01-05
4	RF Cable	Tonscend	-	CIS-EE024	2026-01-06	2027-01-05
5	Test software	FARAD	EZ-EMC RE	CIS-EE097	/	/
6	Thermohygrometer	DeLi	8866	CIS-EE067	2026-01-06	2027-01-05
7	Spectrum analyzer	Agilent	N9020A	CIS-RE001	2026-01-06	2027-01-05

Output Power(ERP)
 99% Occupied Bandwidth & 26dB bandwidth
 Emission Mask
 Modulation Limit
 Audio Frequency Response
 Frequency Stability VS Temperature
 Frequency Stability VS Voltage

Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	RF Communication Test Set	HP	8920A	CIS-EE023	2026-09-02	2027-09-01
2	Spectrum analyzer	KEYSIGHT	N920A	CIS-RE011	2026-01-06	2027-01-05

6. TEST CONDITIONS AND RESULTS

6.1. Antenna requirement

Test Requirement:	Refer to 47 CFR Part 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.
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TEST RESULTS

Conclusion:

The EUT antenna is Spring antenna. It complies with the standard requirement. In case of replacement of broken antenna the same antenna type must be used. Antenna structure please refer to the EUT internal photographs antenna photo.

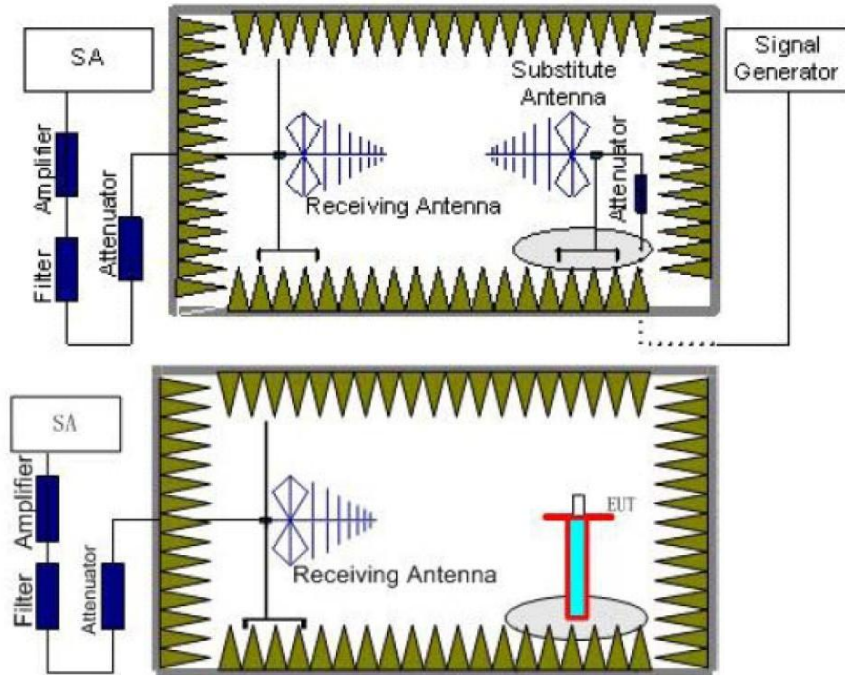
6.2.Carrier Output Power (ERP)

LIMIT

FCC Part FCC Part 95.567, FCC Part 2.1046

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 CONFIGURATION



TEST PROCEDURE

- 1) The measuring distance of at 3m shall be used for measurements
- 2) The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation
- 3) The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 4) The spectrum setting for Equivalent Isotropically Radiated Power (EIRP) is RBW = 100kHz, VBW = 300kHz. Detector Mode is Positive Peak
- 5) Record the field strength level of the EUT from the spectrum
- 6) The substitution antenna is substituted for EUT at the same position and signals generator (S.G) export the CW signal to the substitution antenna via a TX cable. The receiver antenna shall be moved height from 1m to 4m to find the highest radiation. Adjust the S.G. output level and repeat this step to get the same field strength level as the EUT
- 7) The EIRP level = S.G. output level(dBm)- TX cable(dB) + Substituted Antenna Gain(dBi)
- 8) The ERP level = EIRP-2.15

TEST MODE

Please reference to the section 4.1

TEST RESULTS

☒ Passed ☐ Not Applicable

TEST DATA

Test Mode	Modulation Type	Test Channel	Measured power (dBm)	Measured power (W)	Limit(W)	Result
TX-FRS	FM	CH _{M1}	25.836	0.383	≤ 2	PASS
TX-FRS	FM	CH _{M2}	25.809	0.381	≤ 0.5	PASS
TX-FRS	FM	CH _{M3}	25.757	0.376	≤ 2	PASS

6.3.AC Power Line Conducted Emission

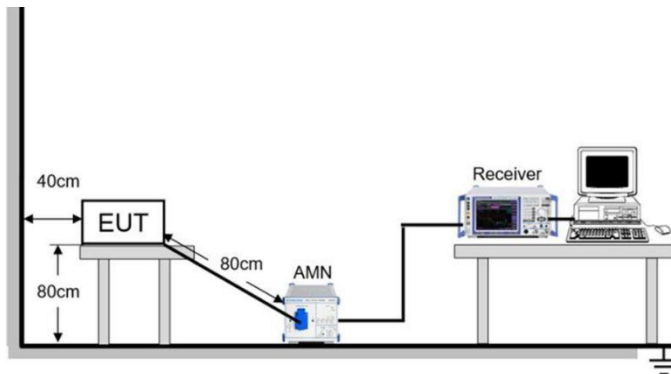
The frequency spectrum from 0.15 MHz to 30 MHz was investigated. The LISN used was 50 ohm / 50 u Henry as specified by section 5.1 of ANSI C63.4. Cables and peripherals were moved to find the maximum emission levels for each frequency.

LIMIT

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

TEST CONFIGURATION



TEST PROCEDURE

- 1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. 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 C63.4
- 2 Support equipment, if needed, was placed as per ANSI C63.4
- 3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- 4 If a EUT received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5 All support equipments received AC power from a second LISN, if any
- 6 The EUT 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.

TEST MODE

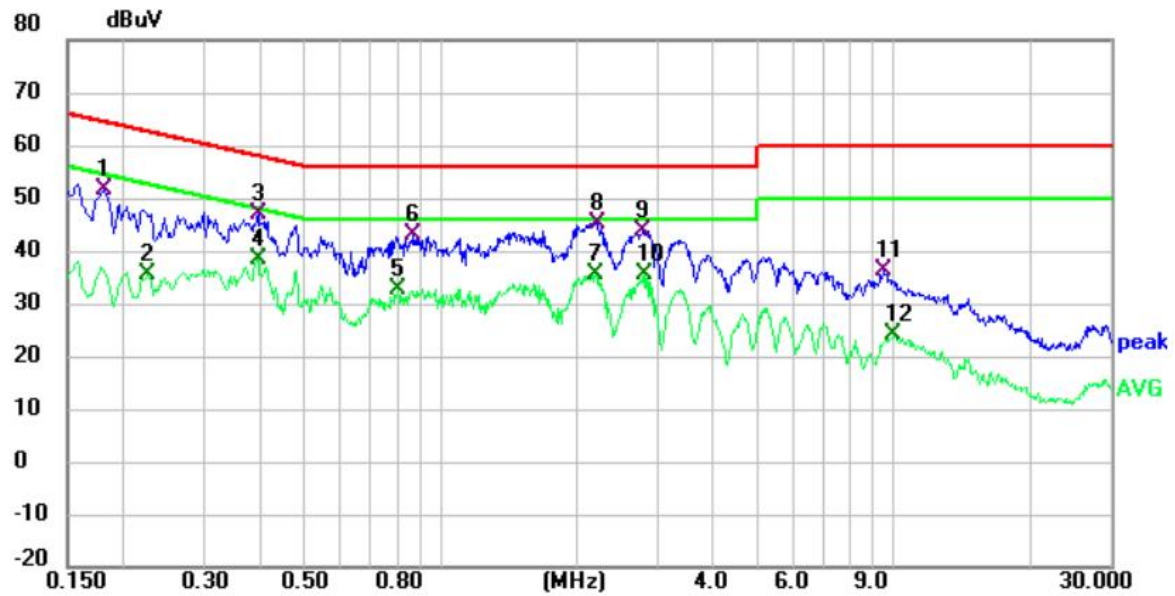
Please reference to the section 3.4

TEST RESULTS

☒ Passed ☐ Not Applicable

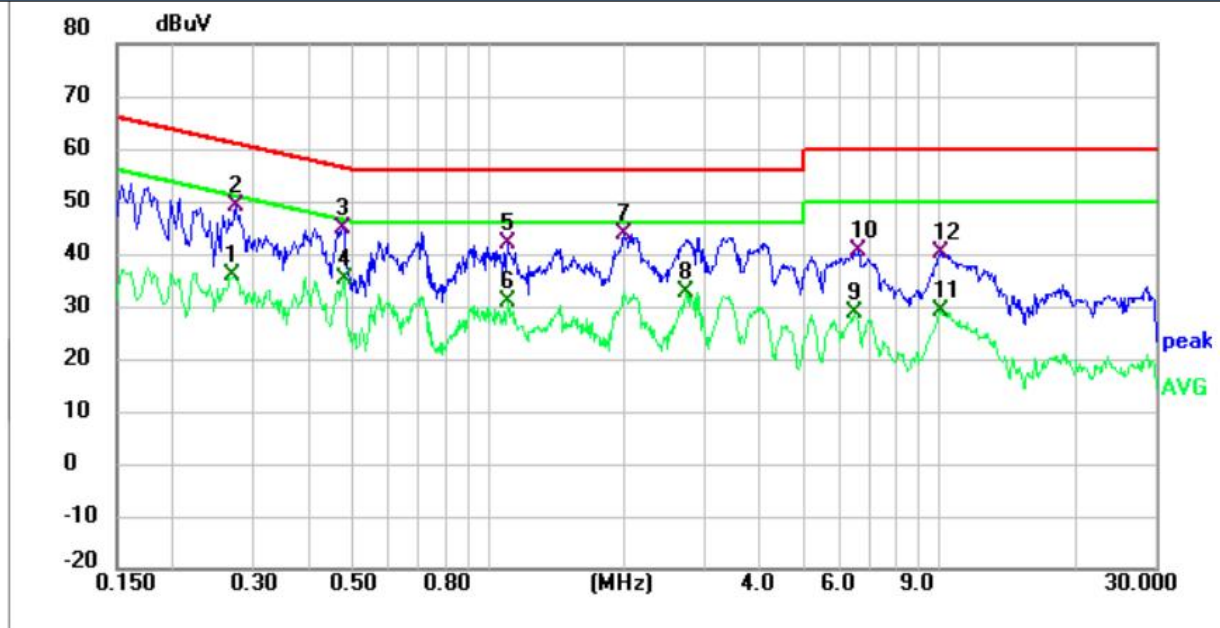
TEST DATA

Charing mode / Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1819	41.52	10.18	51.70	64.40	12.70	QP
2	0.2260	25.44	10.17	35.61	52.60	16.99	AVG
3	0.3940	36.70	10.13	46.83	57.98	11.15	QP
4 *	0.3940	28.23	10.13	38.36	47.98	9.62	AVG
5	0.8059	22.40	10.19	32.59	46.00	13.41	AVG
6	0.8740	32.85	10.18	43.03	56.00	12.97	QP
7	2.1940	25.40	10.26	35.66	46.00	10.34	AVG
8	2.2340	35.05	10.27	45.32	56.00	10.68	QP
9	2.8060	33.56	10.30	43.86	56.00	12.14	QP
10	2.8300	25.27	10.30	35.57	46.00	10.43	AVG
11	9.5060	25.81	10.37	36.18	60.00	23.82	QP
12	9.9980	13.66	10.38	24.04	50.00	25.96	AVG

Charing mode / Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2714	25.84	10.15	35.99	51.07	15.08	AVG
2	0.2740	38.97	10.15	49.12	61.00	11.88	QP
3	0.4740	34.67	10.15	44.82	56.44	11.62	QP
4 *	0.4780	24.93	10.16	35.09	46.37	11.28	AVG
5	1.1019	31.91	10.19	42.10	56.00	13.90	QP
6	1.1019	20.86	10.19	31.05	46.00	14.95	AVG
7	1.9980	33.42	10.25	43.67	56.00	12.33	QP
8	2.7220	22.37	10.30	32.67	46.00	13.33	AVG
9	6.4860	18.33	10.35	28.68	50.00	21.32	AVG
10	6.6260	30.06	10.35	40.41	60.00	19.59	QP
11	10.0460	18.72	10.38	29.10	50.00	20.90	AVG
12	10.1100	29.73	10.38	40.11	60.00	19.89	QP

Note:

1>. Level = Reading +Factor (Voltage Division Coefficient + Cable Loss + Attenuator Factor)

2>. Margin = Limit - Level

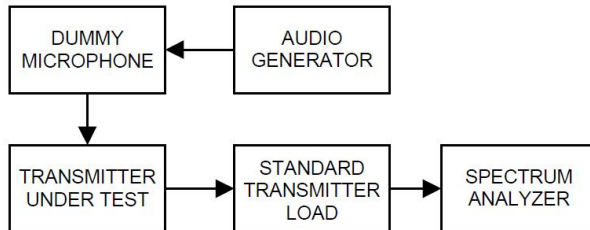
6.4.99% Occupied Bandwidth & 26dB Bandwidth

LIMIT

FCC Part 95.573, FCC Part 2.1049

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

TEST CONFIGURATION



TEST PROCEDURE

- 1) Connect the equipment as illustrated
- 2) Spectrum set as follow:
 Centre frequency = the nominal EUT channel center frequency,
 The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (typically a span of $1.5 \times \text{OBW}$ is sufficient)
 RBW = 1% to 5% of the anticipated OBW, VBW $\geq 3 \times \text{RBW}$, Sweep = auto,
 Detector function = peak, Trace = max hold
- 3) Set 99% Occupied Bandwidth and 26dB Bandwidth
- 4) Measure and record the results in the test report.

TEST MODE

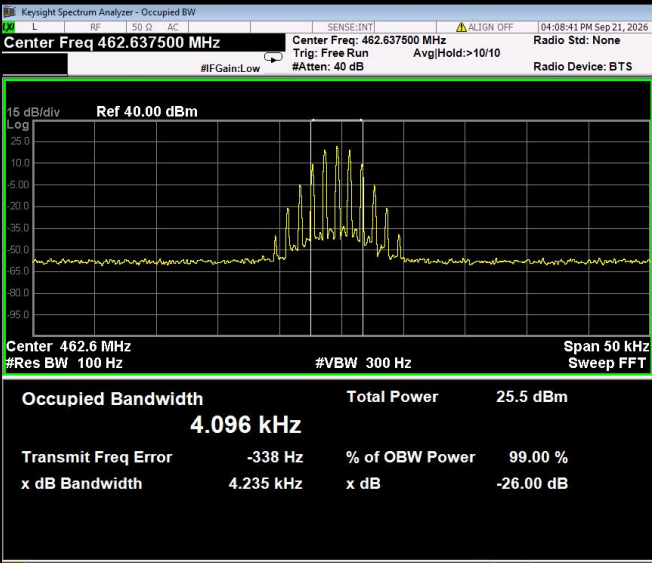
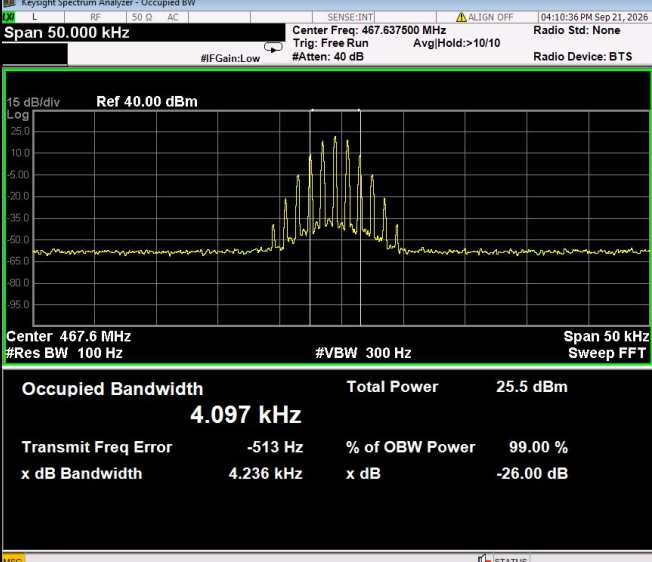
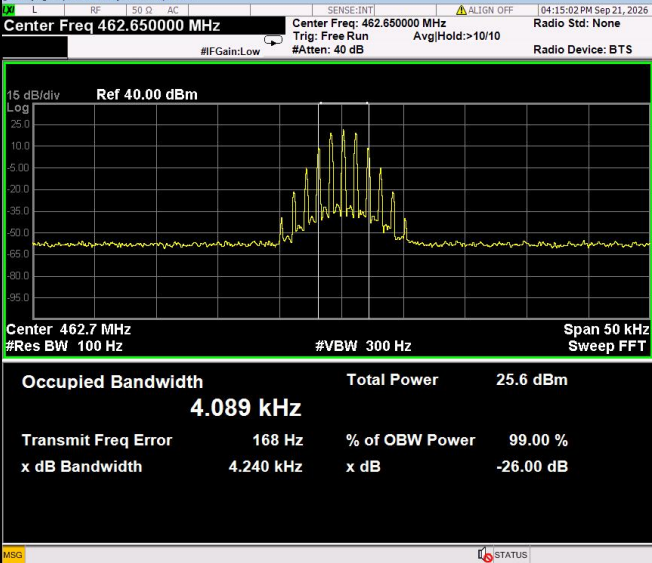
Please reference to the section 4.1

TEST RESULTS

☒ **Passed** ☐ **Not Applicable**

TEST DATA

Test Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-FRS	FM	CH _{M1}	4.096	4.235	≤ 12.5	PASS
TX-FRS	FM	CH _{M2}	4.097	4.236	≤ 12.5	PASS
TX-FRS	FM	CH _{M3}	4.089	4.240	≤ 12.5	PASS

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-FRS	FM	CH _{M1}	 Keysight Spectrum Analyzer - Occupied BW Center Freq 462.637500 MHz Center Freq: 462.637500 MHz Trig: Free Run #Gain: Low #Atten: 40 dB Radio Device: BTS 15 dB/div Ref 40.00 dBm Center 462.6 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 4.096 kHz Total Power 25.5 dBm Transmit Freq Error -338 Hz % of OBW Power 99.00 % x dB Bandwidth 4.235 kHz x dB -26.00 dB Frequency Center Freq 462.637500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz
TX-FRS	FM	CH _{M2}	 Keysight Spectrum Analyzer - Occupied BW Span 50.000 kHz Center Freq: 467.637500 MHz Trig: Free Run #Gain: Low #Atten: 40 dB Radio Device: BTS 15 dB/div Ref 40.00 dBm Center 467.6 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 4.097 kHz Total Power 25.5 dBm Transmit Freq Error -513 Hz % of OBW Power 99.00 % x dB Bandwidth 4.236 kHz x dB -26.00 dB Span Span 50.000 kHz Full Span Last Span
TX-FRS	FM	CH _{M3}	 Keysight Spectrum Analyzer - Occupied BW Center Freq 462.650000 MHz Center Freq: 462.650000 MHz Trig: Free Run #Gain: Low #Atten: 40 dB Radio Device: BTS 15 dB/div Ref 40.00 dBm Center 462.7 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 4.089 kHz Total Power 25.6 dBm Transmit Freq Error 168 Hz % of OBW Power 99.00 % x dB Bandwidth 4.240 kHz x dB -26.00 dB Frequency Center Freq 462.650000 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz

6.5.Emission Mask

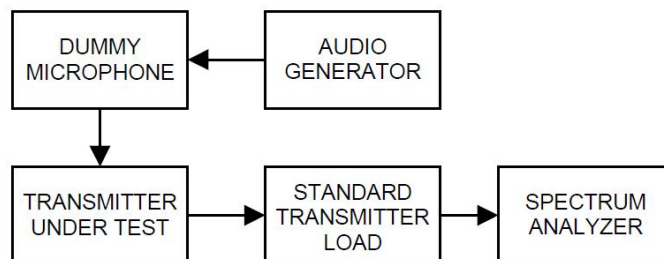
LIMIT

FCC Part 95.579(a)(1)(2)(3), FCC Part 2.1049

Each FRS transmitter type must be designed to satisfy the applicable unwanted emissions limits

- a) Attenuation requirements. The power of unwanted emissions must be attenuated below the carrier power output in Watts (P) by at least:
- (1) 25dB 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.

TEST CONFIGURATION



TEST PROCEDURE

- 1) Connect the equipment as illustrated.
- 2) Spectrum set as follow:
Centre frequency = fundamental frequency, RBW=300Hz, VBW=1000Hz, Sweep = auto,
Detector function = peak, Trace = max hold
- 3) Key the transmitter, and set the level of the unmodulated carrier to a full scale reference line.
This is the 0dB reference for the measurement.
- 4) Apply Input Modulation Signal to EUT according to Section 4.2
- 5) Measure and record the results in the test report.

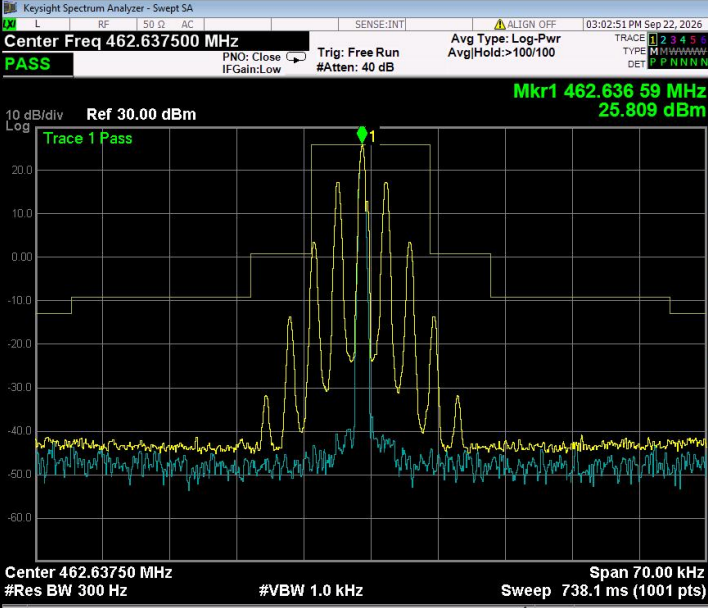
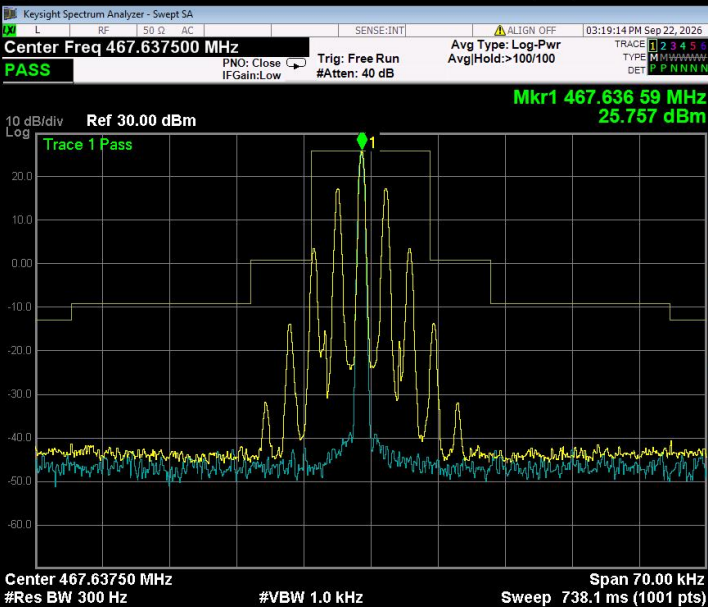
TEST MODE

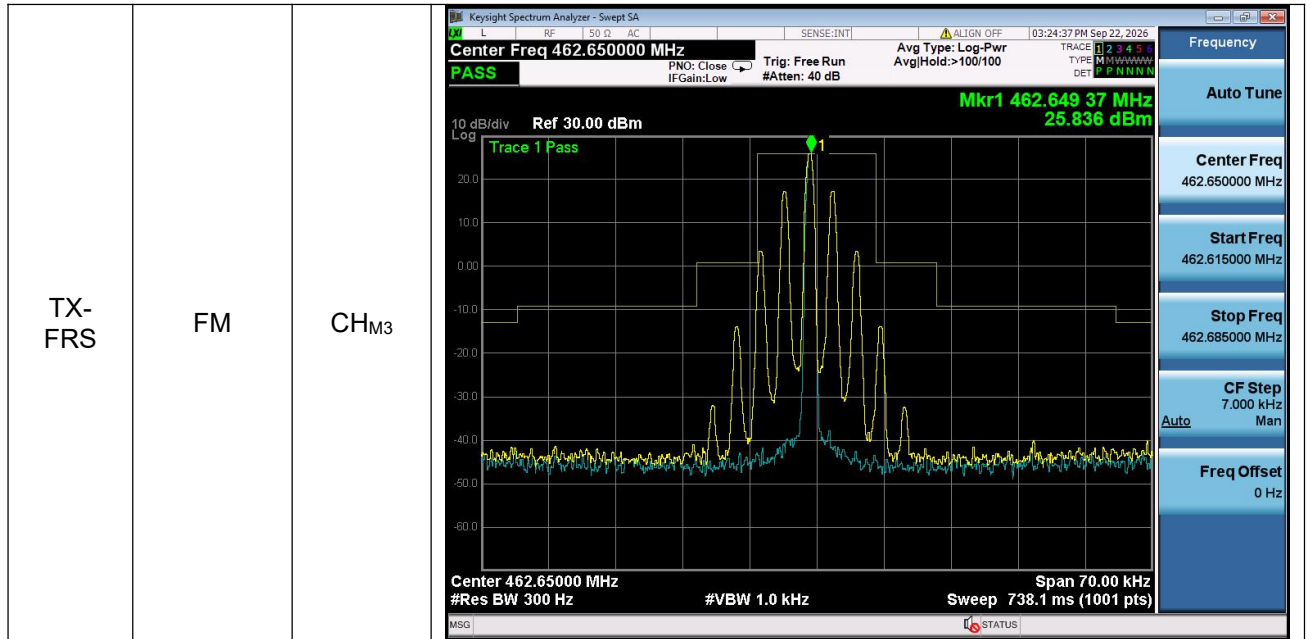
Please reference to the section 4.1

TEST RESULTS

☒ Passed ☐ Not Applicable

TEST DATA

Test Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-FRS	FM	CH _{M1}	 Keysight Spectrum Analyzer - Swept SA Center Freq 462.637500 MHz PNO: Close IFGain: Low Trig: Free Run #Atten: 40 dB Avg Type: Log-Pwr AvgHold: >100/100 Mkr1 462.636 59 MHz 25.809 dBm 10 dB/div Ref 30.00 dBm Trace 1 Pass Center 462.63750 MHz Span 70.00 kHz #Res BW 300 Hz #VBW 1.0 kHz Sweep 738.1 ms (1001 pts)
TX-FRS	FM	CH _{M2}	 Keysight Spectrum Analyzer - Swept SA Center Freq 467.637500 MHz PNO: Close IFGain: Low Trig: Free Run #Atten: 40 dB Avg Type: Log-Pwr AvgHold: >100/100 Mkr1 467.636 59 MHz 25.757 dBm 10 dB/div Ref 30.00 dBm Trace 1 Pass Center 467.63750 MHz Span 70.00 kHz #Res BW 300 Hz #VBW 1.0 kHz Sweep 738.1 ms (1001 pts)



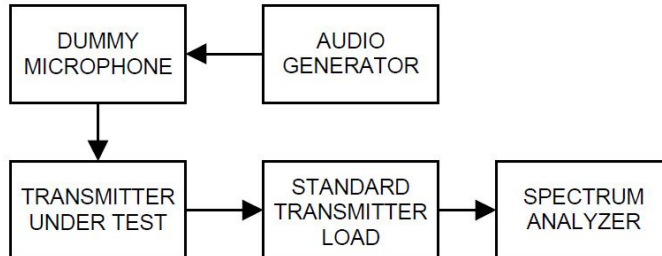
6.6.Modulation Limit

LIMIT

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 2.5kHz**, and the highest audio frequency contributing substantially to modulation must **not exceed 3.125kHz**.

TEST CONFIGURATION



TEST PROCEDURE

- 1) Connect the equipment as illustrated.
- 2) Adjust the transmitter per the manufacturer's procedure for full rated system deviation.
- 3) Set the test receiver to measure peak positive deviation. Set the audio bandwidth for ≤ 0.25 Hz to $\geq 15,000$ Hz. Turn the de-emphasis function off.
- 4) Apply a 1000 Hz modulating signal to the transmitter from the audio frequency generator, and adjust the level to obtain 60% of full rated system deviation.
- 5) Increase the level from the audio frequency generator by 20 dB in one step (rise time between the 10% and 90% points shall be 0.1 second maximum).
- 6) Measure both the instantaneous and steady-state deviation at and after the time of increasing the audio input level
- 7) With the level from the audio frequency generator held constant at the level obtained in step 4), slowly vary the audio frequency from 300 Hz to 3000 Hz and observe the steady-state deviation. Record the maximum deviation.

TEST MODE

Please reference to the section 4.1

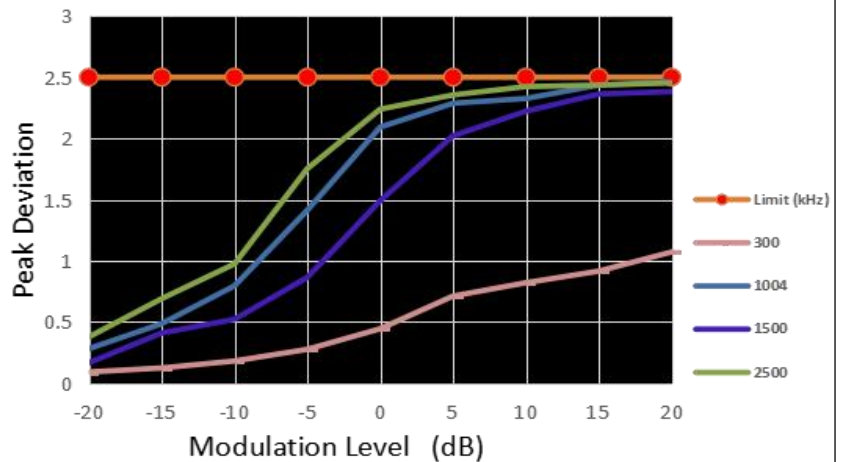
TEST RESULTS

☒ Passed ☐ Not Applicable

TEST DATA

Test Mode	Modulation Type	Test Channel	Modulation Level (dB)	Peak Frequency Deviation (Hz)				Limit (kHz)	Result
				300	1004	1500	2500		
TX-FRS	FM	CH _{M1}	-20	0.092	0.282	0.167	0.378	2.5	PASS
TX-FRS	FM	CH _{M1}	-15	0.125	0.487	0.411	0.691	2.5	PASS
TX-FRS	FM	CH _{M1}	-10	0.182	0.796	0.523	0.975	2.5	PASS
TX-FRS	FM	CH _{M1}	-5	0.277	1.414	0.865	1.753	2.5	PASS
TX-FRS	FM	CH _{M1}	0	0.445	2.092	1.491	2.239	2.5	PASS
TX-FRS	FM	CH _{M1}	5	0.712	2.287	2.021	2.355	2.5	PASS
TX-FRS	FM	CH _{M1}	10	0.821	2.326	2.222	2.423	2.5	PASS
TX-FRS	FM	CH _{M1}	15	0.916	2.435	2.362	2.436	2.5	PASS

TX-FRS	FM	CH _{M1}	20	1.072	2.463	2.383	2.453	2.5	PASS
TX-FRS	FM	CH _{M2}	-20	0.093	0.273	0.163	0.367	2.5	PASS
TX-FRS	FM	CH _{M2}	-15	0.121	0.487	0.411	0.691	2.5	PASS
TX-FRS	FM	CH _{M2}	-10	0.183	0.796	0.523	0.975	2.5	PASS
TX-FRS	FM	CH _{M2}	-5	0.277	1.414	0.863	1.753	2.5	PASS
TX-FRS	FM	CH _{M2}	0	0.446	2.092	1.491	2.239	2.5	PASS
TX-FRS	FM	CH _{M2}	5	0.712	2.287	2.021	2.356	2.5	PASS
TX-FRS	FM	CH _{M2}	10	0.821	2.326	2.232	2.422	2.5	PASS
TX-FRS	FM	CH _{M2}	15	0.936	2.433	2.367	2.436	2.5	PASS
TX-FRS	FM	CH _{M2}	20	1.072	2.453	2.323	2.453	2.5	PASS
TX-FRS	FM	CH _{M3}	-20	0.093	0.282	0.168	0.378	2.5	PASS
TX-FRS	FM	CH _{M3}	-15	0.122	0.587	0.41	0.691	2.5	PASS
TX-FRS	FM	CH _{M3}	-10	0.172	0.796	0.623	0.873	2.5	PASS
TX-FRS	FM	CH _{M3}	-5	0.276	1.413	0.865	1.758	2.5	PASS
TX-FRS	FM	CH _{M3}	0	0.345	2.093	1.491	2.237	2.5	PASS
TX-FRS	FM	CH _{M3}	5	0.817	2.280	2.021	2.359	2.5	PASS
TX-FRS	FM	CH _{M3}	10	0.721	2.326	2.231	2.423	2.5	PASS
TX-FRS	FM	CH _{M3}	15	0.816	2.337	2.362	2.236	2.5	PASS
TX-FRS	FM	CH _{M3}	20	1.172	2.362	2.383	2.353	2.5	PASS

Test Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-FRS	FM	CH _{M1}	 Peak Deviation vs Modulation Level (dB) plot for TX-FRS FM CH_{M1}. The plot shows a limit line at 2.5 kHz and five data series for 300, 1004, 1500, and 2500 Hz. All data series are below the limit line.

TX-FRS	FM	CH _{M2}	
TX-FRS	FM	CH _{M3}	

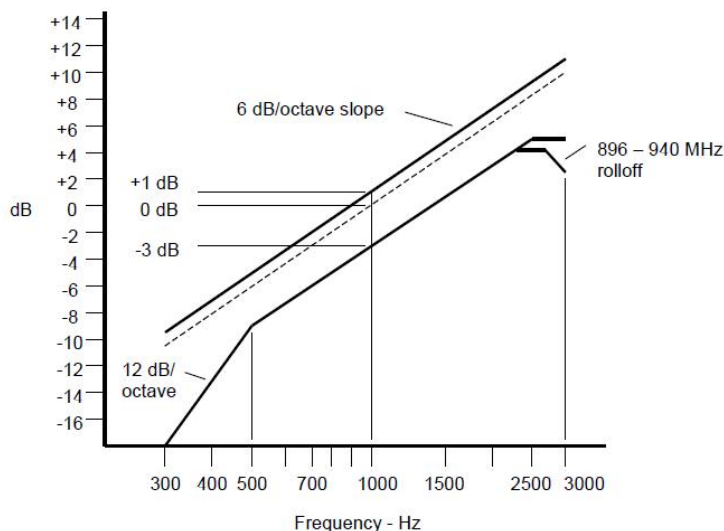
6.7.Audio Frequency Response

LIMIT

FCC Part 95.575, FCC Part 2.1047(a):

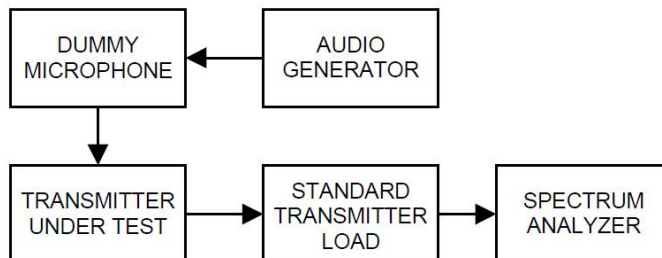
Each FRS transmitter type must be designed such that the peak frequency deviation does **not exceed 2.5kHz**, and the highest audio frequency contributing substantially to modulation must **not exceed 3.125kHz**.

Voice modulated communication equipment. A curve or equivalent data showing the frequency response of the audio modulating circuit over a range of 100 to 5000 Hz shall be submitted.



An additional 6 dB per octave attenuation is allowed from 2500 Hz to 3000 Hz in equipment operating in the 25 MHz to 869 MHz range.

TEST CONFIGURATION



TEST PROCEDURE

- 1) Connect the equipment as illustrated.
- 2) Set the test receiver to measure peak positive deviation. Set the audio bandwidth for 50 Hz to 15,000 Hz. Turn the de-emphasis function off.
- 3) Set the DMM to measure rms voltage.
- 4) Adjust the transmitter per the manufacturer's procedure for full rated system deviation.
- 5) Apply a 1000 Hz tone and adjust the audio frequency generator to produce 20% of the rated system deviation.
- 6) Set the test receiver to measure rms deviation and record the deviation reading.
- 7) Record the DMM reading as V_{REF} .
- 8) Set the audio frequency generator to the desired test frequency between 300 Hz and 3000 Hz.
- 9) Vary the audio frequency generator output level until the deviation reading that was recorded in step 6) is obtained.
- 10) Record the DMM reading as V_{FREQ} .
- 11) Calculate the audio frequency response at the present frequency as:

$$\text{audio frequency response} = 20 \log_{10} (V_{FREQ}/V_{REF})$$
- 12) Repeat steps 8) through 11) for all the desired test frequencies

TEST MODE

Please reference to the section 4.1

TEST RESULTS

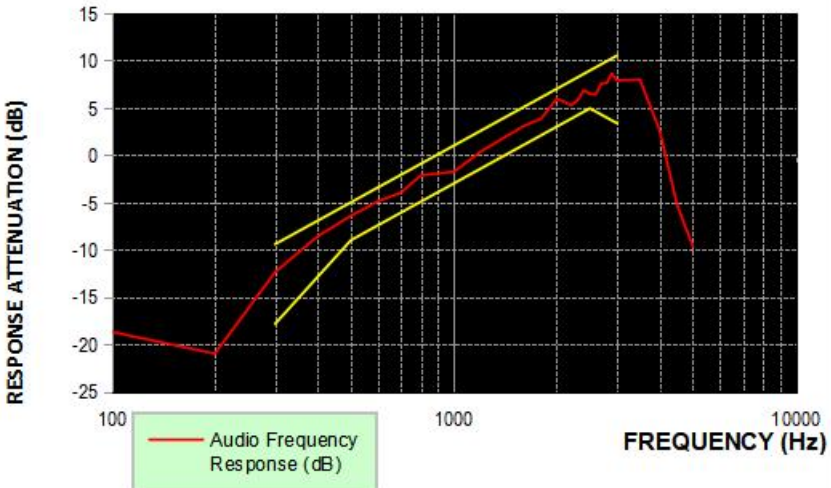
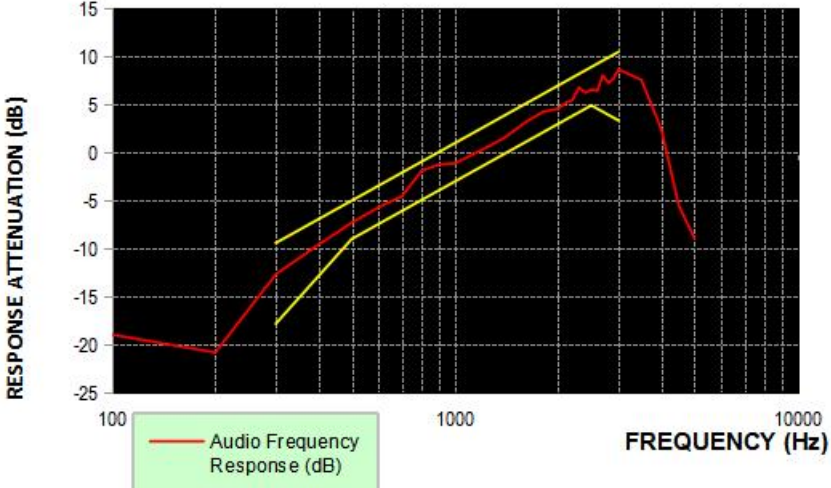
☒ Passed ☐ Not Applicable

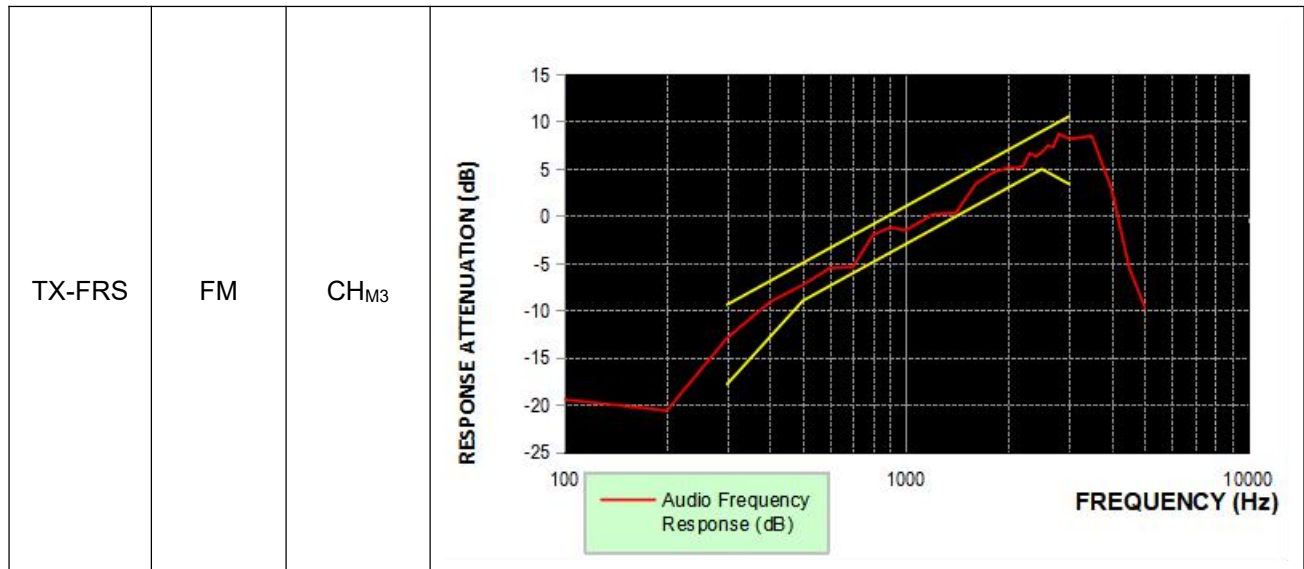
TEST DATA

Test Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-FRS	FM	CH _{M1}	100	-18.69			PASS
TX-FRS	FM	CH _{M1}	200	-20.99			PASS
TX-FRS	FM	CH _{M1}	300	-12.37	-17.84	-9.42	PASS
TX-FRS	FM	CH _{M1}	400	-8.58	-12.86	-6.93	PASS
TX-FRS	FM	CH _{M1}	500	-6.42	-9.00	-5.00	PASS
TX-FRS	FM	CH _{M1}	600	-4.88	-7.42	-3.42	PASS
TX-FRS	FM	CH _{M1}	700	-3.97	-6.09	-2.09	PASS
TX-FRS	FM	CH _{M1}	800	-2.16	-4.93	-0.93	PASS
TX-FRS	FM	CH _{M1}	900	-1.93	-3.91	0.09	PASS
TX-FRS	FM	CH _{M1}	1000	-1.77	-3.00	1.00	PASS
TX-FRS	FM	CH _{M1}	1200	0.38	-1.42	2.58	PASS
TX-FRS	FM	CH _{M1}	1400	1.83	-0.09	3.91	PASS
TX-FRS	FM	CH _{M1}	1600	3.06	1.07	5.07	PASS
TX-FRS	FM	CH _{M1}	1800	3.84	2.09	6.09	PASS
TX-FRS	FM	CH _{M1}	2000	5.96	3.00	7.00	PASS
TX-FRS	FM	CH _{M1}	2100	5.61	3.42	7.42	PASS
TX-FRS	FM	CH _{M1}	2200	5.27	3.83	7.83	PASS
TX-FRS	FM	CH _{M1}	2300	5.78	4.21	8.21	PASS
TX-FRS	FM	CH _{M1}	2400	6.86	4.58	8.58	PASS
TX-FRS	FM	CH _{M1}	2500	6.45	4.93	8.93	PASS
TX-FRS	FM	CH _{M1}	2600	6.40	4.59	9.27	PASS
TX-FRS	FM	CH _{M1}	2700	7.56	4.27	9.60	PASS
TX-FRS	FM	CH _{M1}	2800	7.63	3.95	9.91	PASS
TX-FRS	FM	CH _{M1}	2900	8.63	3.65	10.22	PASS
TX-FRS	FM	CH _{M1}	3000	7.87	3.35	10.51	PASS
TX-FRS	FM	CH _{M1}	3500	7.98			PASS
TX-FRS	FM	CH _{M1}	4000	2.58			PASS
TX-FRS	FM	CH _{M1}	4500	-5.34			PASS
TX-FRS	FM	CH _{M1}	5000	-9.66			PASS
TX-FRS	FM	CH _{M2}	100	-18.98			PASS
TX-FRS	FM	CH _{M2}	200	-20.84			PASS
TX-FRS	FM	CH _{M2}	300	-12.7	-17.84	-9.42	PASS
TX-FRS	FM	CH _{M2}	400	-9.58	-12.86	-6.93	PASS

TX-FRS	FM	CH _{M2}	500	-7.31	-9.00	-5.00	PASS
TX-FRS	FM	CH _{M2}	600	-5.68	-7.42	-3.42	PASS
TX-FRS	FM	CH _{M2}	700	-4.55	-6.09	-2.09	PASS
TX-FRS	FM	CH _{M2}	800	-1.88	-4.93	-0.93	PASS
TX-FRS	FM	CH _{M2}	900	-1.22	-3.91	0.09	PASS
TX-FRS	FM	CH _{M2}	1000	-1.11	-3.00	1.00	PASS
TX-FRS	FM	CH _{M2}	1200	0.29	-1.42	2.58	PASS
TX-FRS	FM	CH _{M2}	1400	1.58	-0.09	3.91	PASS
TX-FRS	FM	CH _{M2}	1600	3.14	1.07	5.07	PASS
TX-FRS	FM	CH _{M2}	1800	4.22	2.09	6.09	PASS
TX-FRS	FM	CH _{M2}	2000	4.59	3.00	7.00	PASS
TX-FRS	FM	CH _{M2}	2100	5.18	3.42	7.42	PASS
TX-FRS	FM	CH _{M2}	2200	5.48	3.83	7.83	PASS
TX-FRS	FM	CH _{M2}	2300	6.79	4.21	8.21	PASS
TX-FRS	FM	CH _{M2}	2400	6.24	4.58	8.58	PASS
TX-FRS	FM	CH _{M2}	2500	6.59	4.93	8.93	PASS
TX-FRS	FM	CH _{M2}	2600	6.44	4.59	9.27	PASS
TX-FRS	FM	CH _{M2}	2700	8.06	4.27	9.60	PASS
TX-FRS	FM	CH _{M2}	2800	7.27	3.95	9.91	PASS
TX-FRS	FM	CH _{M2}	2900	7.72	3.65	10.22	PASS
TX-FRS	FM	CH _{M2}	3000	8.68	3.35	10.51	PASS
TX-FRS	FM	CH _{M2}	3500	7.59			PASS
TX-FRS	FM	CH _{M2}	4000	2.45			PASS
TX-FRS	FM	CH _{M2}	4500	-5.54			PASS
TX-FRS	FM	CH _{M2}	5000	-8.96			PASS
TX-FRS	FM	CH _{M3}	100	-19.46			PASS
TX-FRS	FM	CH _{M3}	200	-20.63			PASS
TX-FRS	FM	CH _{M3}	300	-12.97	-17.84	-9.42	PASS
TX-FRS	FM	CH _{M3}	400	-9.15	-12.86	-6.93	PASS
TX-FRS	FM	CH _{M3}	500	-7.32	-9.00	-5.00	PASS
TX-FRS	FM	CH _{M3}	600	-5.54	-7.42	-3.42	PASS
TX-FRS	FM	CH _{M3}	700	-5.45	-6.09	-2.09	PASS
TX-FRS	FM	CH _{M3}	800	-2.05	-4.93	-0.93	PASS
TX-FRS	FM	CH _{M3}	900	-1.25	-3.91	0.09	PASS
TX-FRS	FM	CH _{M3}	1000	-1.54	-3.00	1.00	PASS
TX-FRS	FM	CH _{M3}	1200	0.14	-1.42	2.58	PASS
TX-FRS	FM	CH _{M3}	1400	0.28	-0.09	3.91	PASS
TX-FRS	FM	CH _{M3}	1600	3.35	1.07	5.07	PASS
TX-FRS	FM	CH _{M3}	1800	4.58	2.09	6.09	PASS
TX-FRS	FM	CH _{M3}	2000	5.09	3.00	7.00	PASS
TX-FRS	FM	CH _{M3}	2100	5.04	3.42	7.42	PASS

TX-FRS	FM	CH _{M3}	2200	5.23	3.83	7.83	PASS
TX-FRS	FM	CH _{M3}	2300	6.63	4.21	8.21	PASS
TX-FRS	FM	CH _{M3}	2400	6.27	4.58	8.58	PASS
TX-FRS	FM	CH _{M3}	2500	6.71	4.93	8.93	PASS
TX-FRS	FM	CH _{M3}	2600	7.44	4.59	9.27	PASS
TX-FRS	FM	CH _{M3}	2700	7.25	4.27	9.60	PASS
TX-FRS	FM	CH _{M3}	2800	8.67	3.95	9.91	PASS
TX-FRS	FM	CH _{M3}	2900	8.39	3.65	10.22	PASS
TX-FRS	FM	CH _{M3}	3000	8.13	3.35	10.51	PASS
TX-FRS	FM	CH _{M3}	3500	8.43			PASS
TX-FRS	FM	CH _{M3}	4000	2.77			PASS
TX-FRS	FM	CH _{M3}	4500	-5.51			PASS
TX-FRS	FM	CH _{M3}	5000	-9.72			PASS

Test Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-FRS	FM	CH _{M1}	
TX-FRS	FM	CH _{M2}	



Note: The highest audio frequency response at 3kHz<3.125kHz, so meet the requirement.

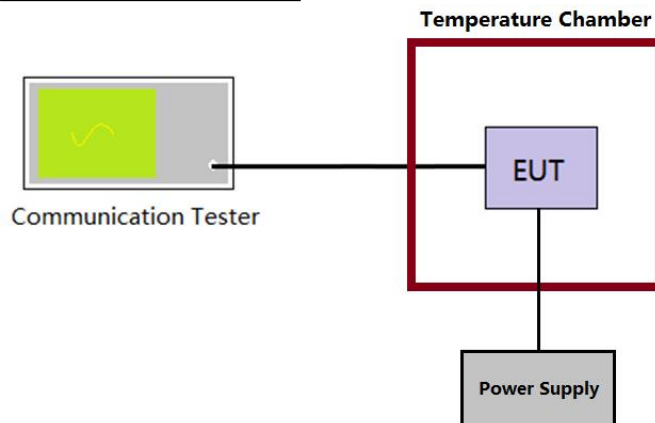
6.8.Frequency stability VS Temperature

LIMIT

FCC Part 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

- 1) The EUT output port was connected to communication tester.
- 2) The EUT was placed inside the temperature chamber.
- 3) Turn EUT off and set the chamber temperature to -30°C . After the temperature stabilized for approximately 30 minutes recorded the frequency as MCF_{MHz} .
- 4) Calculate the ppm frequency error by the following:
$$\text{ppm error} = (MCF_{\text{MHz}} / ACF_{\text{MHz}} - 1) * 10^6$$

where
 MCF_{MHz} is the Measured Carrier Frequency in MHz
 ACF_{MHz} is the Assigned Carrier Frequency in MHz
- 5) Repeat step 3 measure with 10°C increased per stage until the highest temperature of $+50^{\circ}\text{C}$ reached.

TEST MODE

Please reference to the section 4.1

TEST RESULTS

☒ **Passed** ☐ **Not Applicable**

TEST DATA

Test Mode	Modulation Type	Test Conditions		Frequency error (ppm)			Limit (ppm)	Result
		Voltage	Temperature	CH _{M1}	CH _{M2}	CH _{M3}		
TX-FRS	FM	3.7V	-30℃	-2.061	-1.950	-1.449	±2.5	PASS
TX-FRS	FM	3.7V	-20℃	-1.975	-2.030	-1.374	±2.5	PASS
TX-FRS	FM	3.7V	-10℃	-2.057	-2.121	-1.423	±2.5	PASS
TX-FRS	FM	3.7V	0℃	-2.016	-1.979	-1.418	±2.5	PASS
TX-FRS	FM	3.7V	10℃	-1.981	-1.981	-1.401	±2.5	PASS
TX-FRS	FM	3.7V	20℃	-1.967	-1.946	-1.362	±2.5	PASS
TX-FRS	FM	3.7V	30℃	-2.026	-2.080	-1.422	±2.5	PASS
TX-FRS	FM	3.7V	40℃	-2.085	-2.035	-1.456	±2.5	PASS
TX-FRS	FM	3.7V	50℃	-2.020	-2.125	-1.375	±2.5	PASS

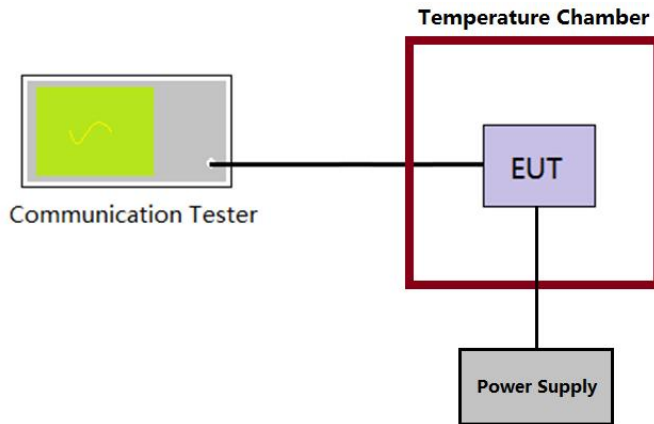
6.9. Frequency stability VS Voltage

LIMIT

FCC Part 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

- 1) The EUT output port was connected to communication tester.
- 2) The EUT was placed inside the temperature chamber at 25°C
- 3) Record the carrier frequency of the transmitter as MCF_{MHz}
- 4) Calculate the ppm frequency error by the following:

$$ppm\ error = (MCF_{MHz} / ACF_{MHz} - 1) * 10^6$$
 where
 MCF_{MHz} is the Measured Carrier Frequency in MHz
 ACF_{MHz} is the Assigned Carrier Frequency in MHz
- 5) Repeat step 3 measure with varied ±15% of the nominal value measured at the input to the EUT

TEST MODE

Please reference to the section 4.1

TEST RESULTS

☒ Passed ☐ Not Applicable

TEST DATA

Test Mode	Modulation Type	Test Conditions		Frequency error (ppm)			Limit (ppm)	Result
		Voltage	Temperature	CH _{M1}	CH _{M2}	CH _{M3}		
TX-FRS	FM	3.7V	20°C	-1.967	-1.946	-1.362	±2.5	PASS
TX-FRS	FM	3.14V	20°C	-1.886	-1.843	-1.351	±2.5	PASS
TX-FRS	FM	4.25V	20°C	-2.083	-2.084	-1.461	±2.5	PASS

6.10. Transmit Radiated Spurious Emission

LIMIT

FCC Part 95.579(a)(3):

Each FRS transmitter type must be designed to satisfy the applicable unwanted emissions limits

- a) Attenuation requirements. The power of unwanted emissions must be attenuated below the carrier power output in Watts (P) by at least:
- 1) 25dB 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.

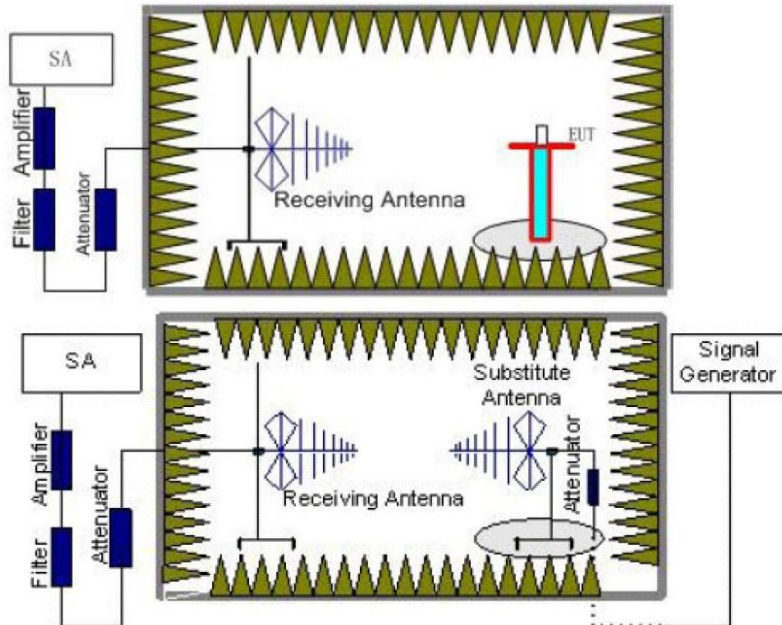
Note:

Limit (dBm) = $EL - [43 + 10 \log(P)] = 10 \log(P \cdot 1000) - [43 + 10 \log(P)] = 10 \log(P) + 30 - 43 - 10 \log(P) = -13 \text{ dBm}$

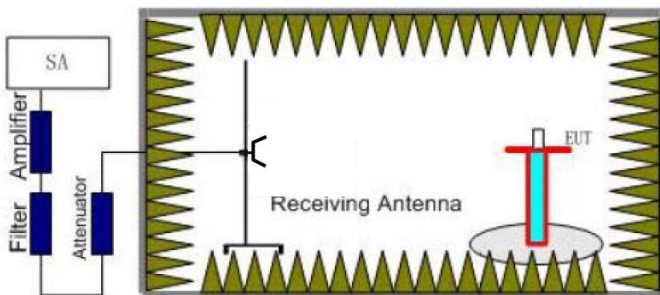
EL is the emission level of the Output Power expressed in dBm,

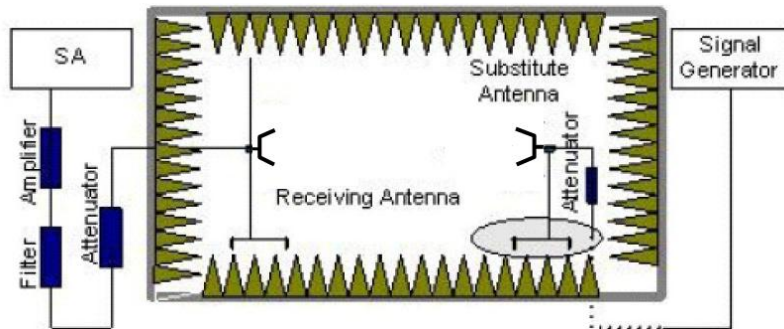
TEST CONFIGURATION

Below 1GHz:



Above 1GHz:





TEST PROCEDURE

- 1) The measuring distance of at 3m shall be used for measurements
- 2) The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The table was rotated 360 degrees to determine the position of the highest radiation
- 3) The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 4) The spectrum setting as follow
Below 1 GHz: RBW=120kHz, VBW=300kHz, Sweep time=auto, Detector =peak, Trace=max hold;
Above 1GHz: RBW=1MHz, VBW=3MHz Sweep time=auto, Detector=peak, Trace=max hold
- 5) Record the field strength level of the EUT from the spectrum
- 6) The substitution antenna is substituted for EUT at the same position and signals generator (S.G) export the CW signal to the substitution antenna via a TX cable. The receiver antenna shall be moved height from 1m to 4m to find the highest radiation. Adjust the S.G. output level and repeat this step to get the same field strength level as the EUT
- 7) The EIRP level = S.G. output level(dBm)- TX cable(dB) + Substituted Antenna Gain(dBi)
- 8) Record the ERP value for below 1GHz, ERP value = EIRP-2.15; Record the EIRP for above 1GHz.

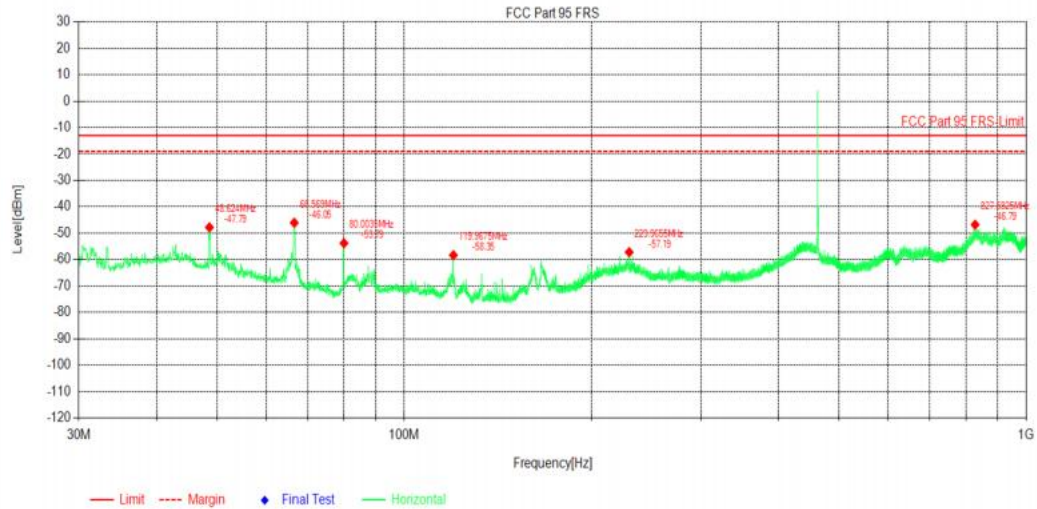
TEST MODE

Please reference to the section 4.1

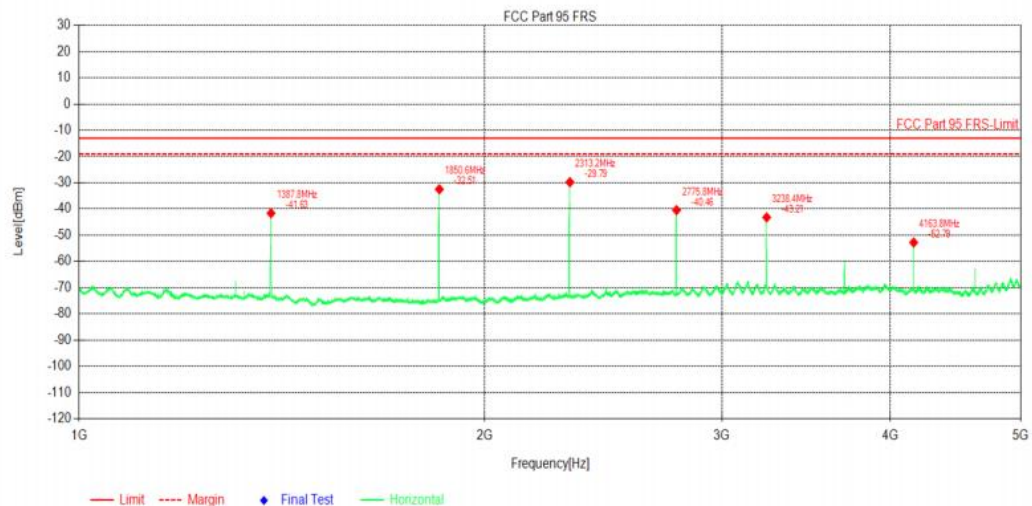
TEST RESULTS

☒ **Passed** ☐ **Not Applicable**

Test Channel:	CH _{M1}	Polarity:	Horizontal
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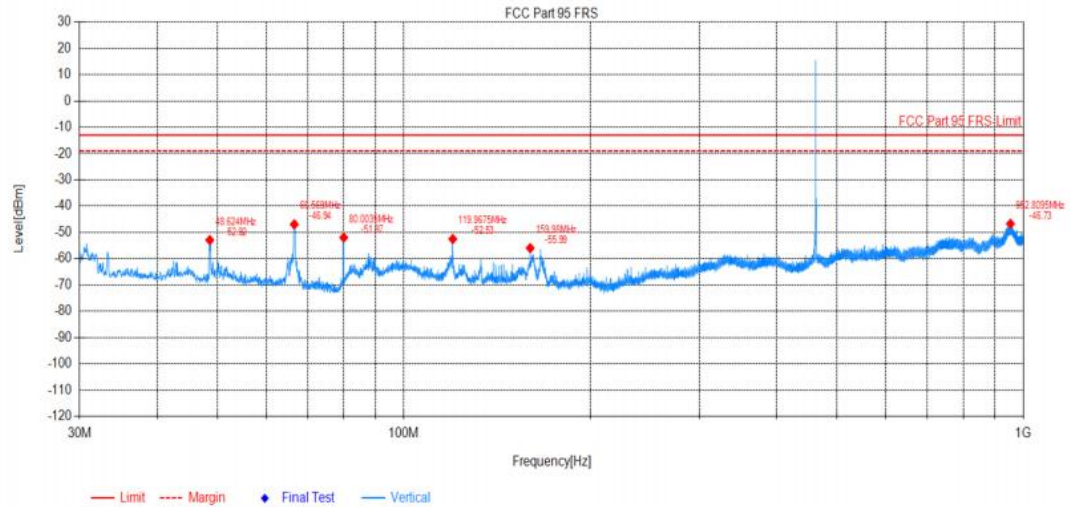


Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Verdict
1	48.624	-75.34	-47.79	-13.00	34.79	27.55	PASS
2	66.569	-67.19	-46.05	-13.00	33.05	21.14	PASS
3	80.0035	-70.18	-53.79	-13.00	40.79	16.39	PASS
4	119.9675	-74.76	-58.35	-13.00	45.35	16.41	PASS
5	229.9655	-83.67	-57.19	-13.00	44.19	26.48	PASS
6	827.5825	-84.62	-46.79	-13.00	33.79	37.83	PASS



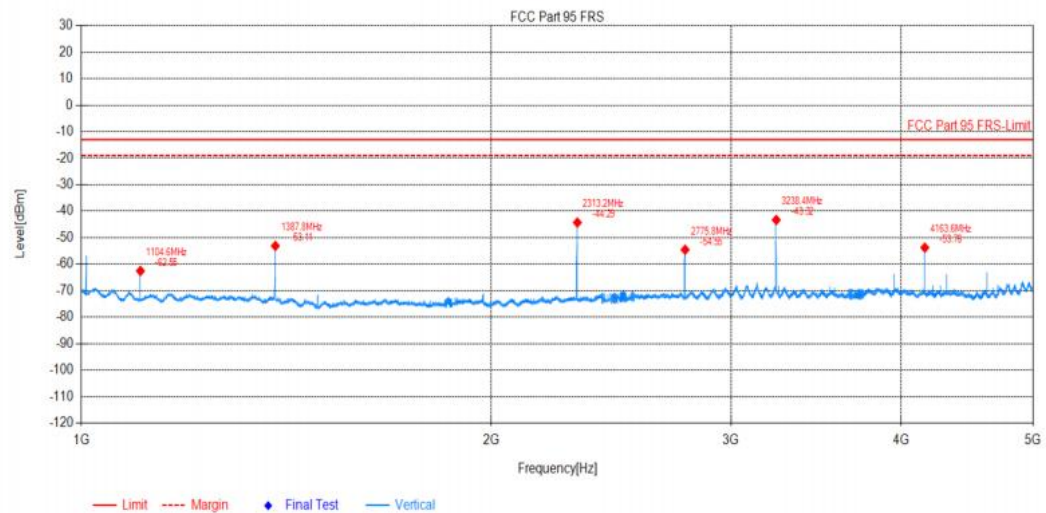
Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Verdict
1	1387.8	-33.25	-41.63	-13.00	28.63	-8.38	PASS
2	1850.6	-24.28	-32.51	-13.00	19.51	-8.23	PASS
3	2313.2	-24.14	-29.79	-13.00	16.79	-5.65	PASS
4	2775.8	-36.89	-40.46	-13.00	27.46	-3.57	PASS
5	3238.4	-41.76	-43.21	-13.00	30.21	-1.45	PASS
6	4163.8	-54.30	-52.79	-13.00	39.79	1.51	PASS

Test Channel:	CH _{M1}	Polarity:	Vertical
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Suspected Data List

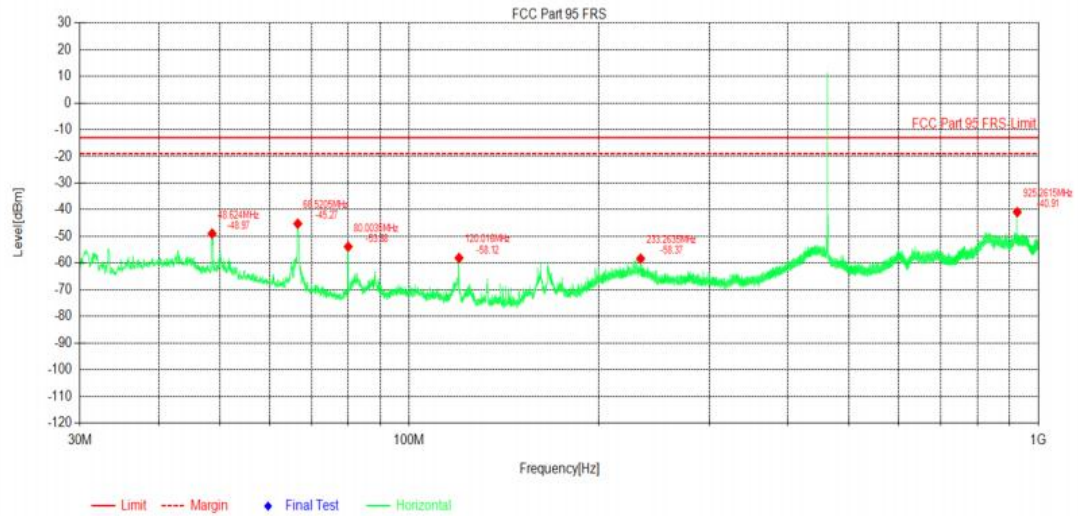
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Verdict
1	48.624	-75.65	-52.92	-13.00	39.92	22.73	PASS
2	66.569	-67.40	-46.94	-13.00	33.94	20.46	PASS
3	80.0035	-69.85	-51.97	-13.00	38.97	17.88	PASS
4	119.9675	-75.13	-52.53	-13.00	39.53	22.60	PASS
5	159.98	-77.47	-55.99	-13.00	42.99	21.48	PASS
6	952.8095	-86.29	-46.73	-13.00	33.73	39.56	PASS



Suspected Data List

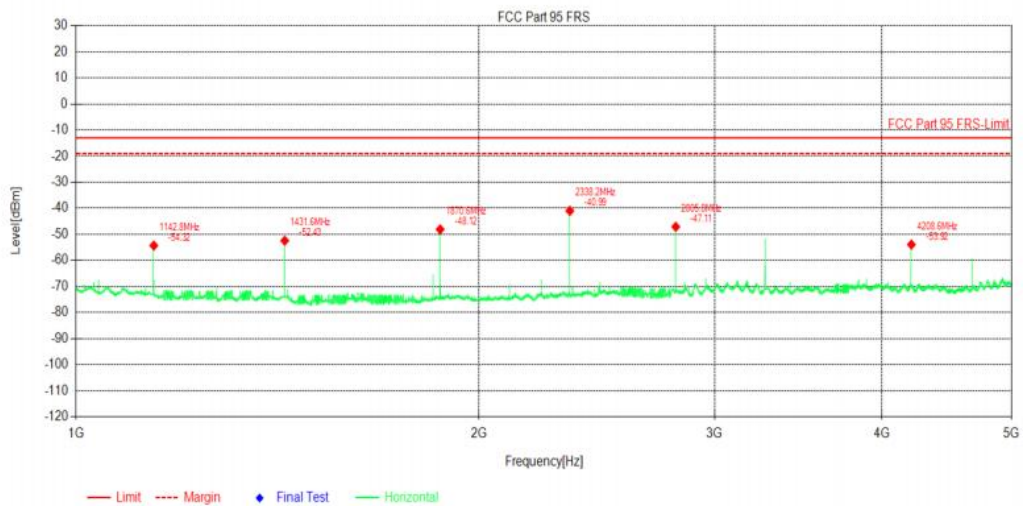
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Verdict
1	1104.6	-54.70	-62.55	-13.00	49.55	-7.85	PASS
2	1387.8	-44.78	-53.11	-13.00	40.11	-8.33	PASS
3	2313.2	-38.58	-44.29	-13.00	31.29	-5.71	PASS
4	2775.8	-50.94	-54.55	-13.00	41.55	-3.61	PASS
5	3238.4	-41.93	-43.32	-13.00	30.32	-1.39	PASS
6	4163.6	-55.21	-53.76	-13.00	40.76	1.45	PASS

Test Channel: CH_{M2} Polarity: Horizontal



Suspected Data List

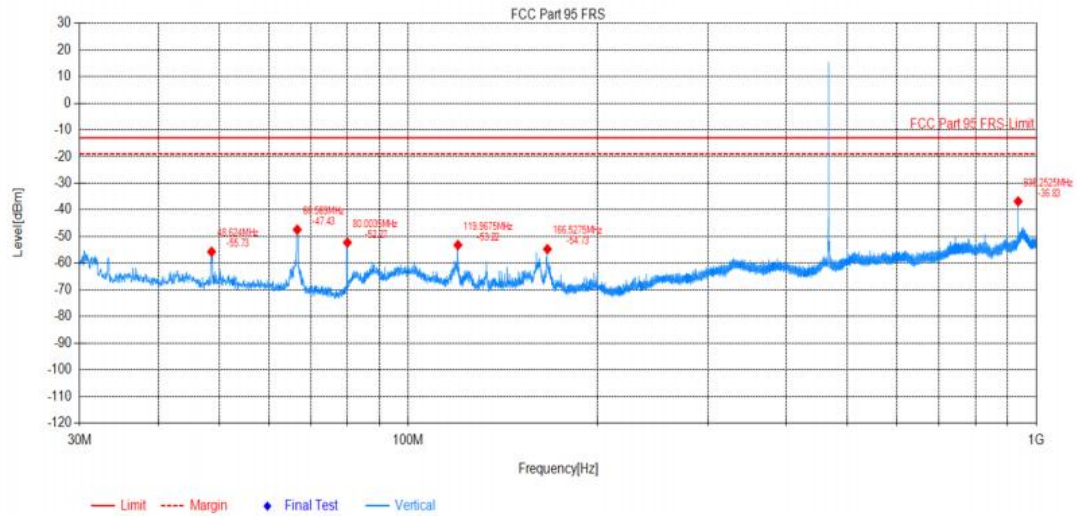
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Verdict
1	48.624	-76.52	-48.97	-13.00	35.97	27.55	PASS
2	66.5205	-66.43	-45.27	-13.00	32.27	21.16	PASS
3	80.0035	-70.27	-53.88	-13.00	40.88	16.39	PASS
4	120.016	-74.53	-58.12	-13.00	45.12	16.41	PASS
5	233.2635	-84.70	-58.37	-13.00	45.37	26.33	PASS
6	925.2615	-78.31	-40.91	-13.00	27.91	37.40	PASS



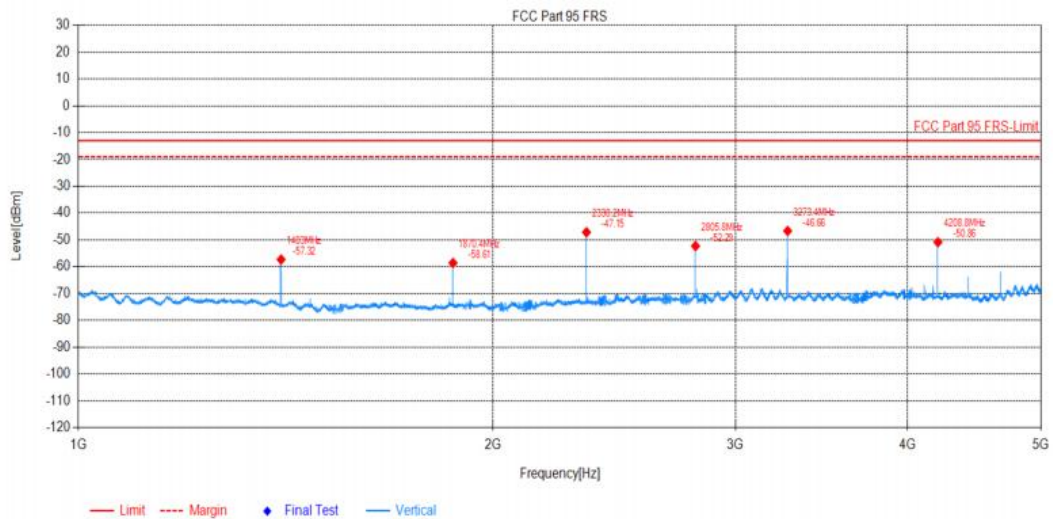
Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Verdict
1	1142.8	-46.58	-54.32	-13.00	41.32	-7.74	PASS
2	1431.6	-43.46	-52.43	-13.00	39.43	-8.97	PASS
3	1870.6	-40.35	-48.12	-13.00	35.12	-7.77	PASS
4	2338.2	-35.40	-40.99	-13.00	27.99	-5.59	PASS
5	2805.8	-43.75	-47.11	-13.00	34.11	-3.36	PASS
6	4208.6	-55.55	-53.92	-13.00	40.92	1.63	PASS

Test Channel:	CH _{M2}	Polarity:	Vertical
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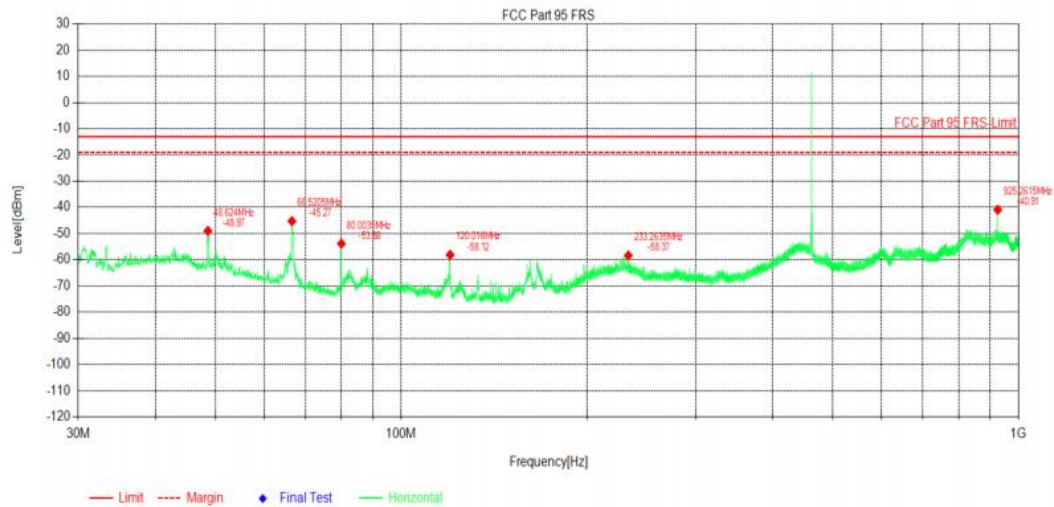


Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Verdict
1	48.624	-78.46	-55.73	-13.00	42.73	22.73	PASS
2	66.569	-67.89	-47.43	-13.00	34.43	20.46	PASS
3	80.0035	-70.15	-52.27	-13.00	39.27	17.88	PASS
4	119.9675	-75.82	-53.22	-13.00	40.22	22.60	PASS
5	166.5275	-75.69	-54.73	-13.00	41.73	20.96	PASS
6	935.2525	-73.64	-36.83	-13.00	23.83	36.81	PASS

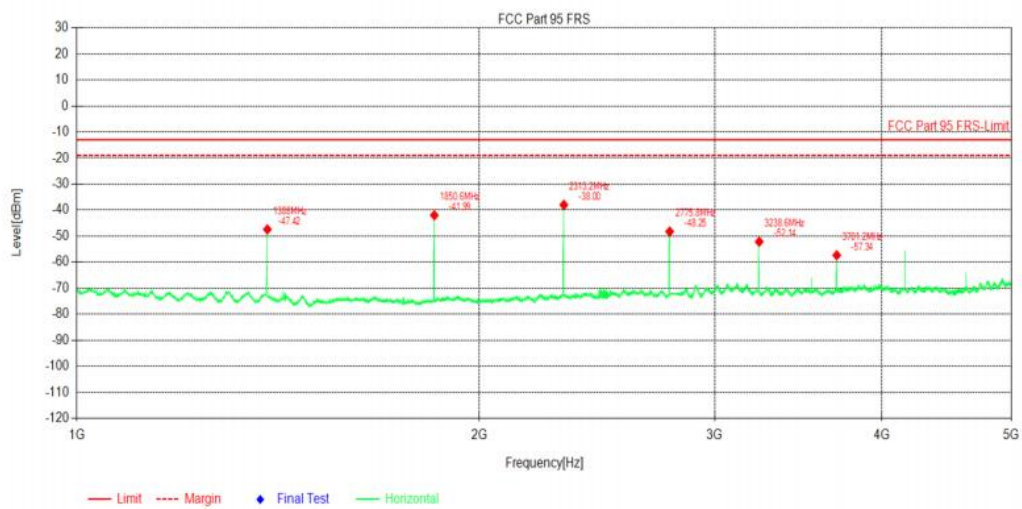


Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Verdict
1	1403	-48.86	-57.32	-13.00	44.32	-8.46	PASS
2	1870.4	-50.78	-58.61	-13.00	45.61	-7.83	PASS
3	2338.2	-41.47	-47.15	-13.00	34.15	-5.68	PASS
4	2805.8	-48.81	-52.29	-13.00	39.29	-3.48	PASS
5	3273.4	-45.32	-46.66	-13.00	33.66	-1.34	PASS
6	4208.8	-52.31	-50.86	-13.00	37.86	1.45	PASS

Test Channel:	CH _{M3}	Polarity:	Horizontal
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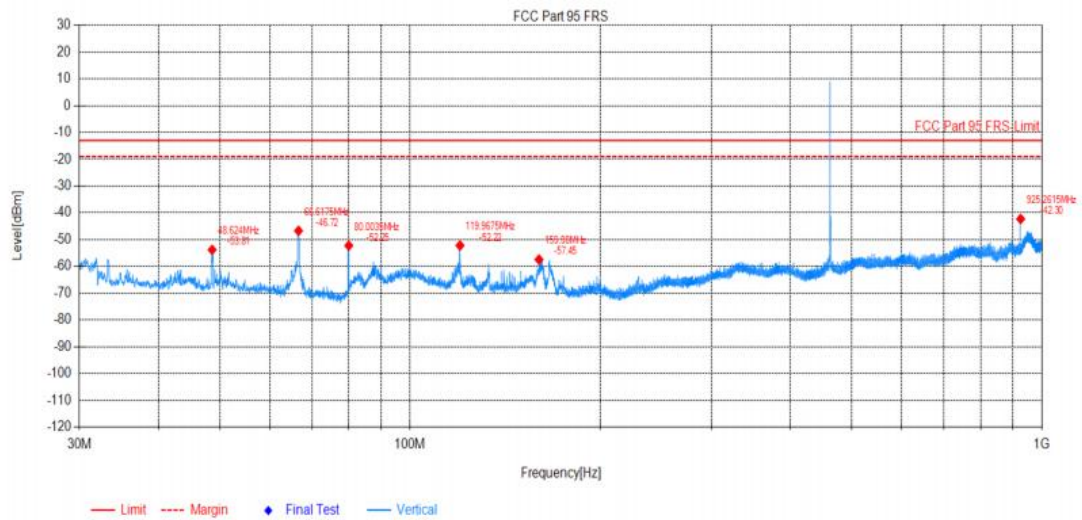


Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Verdict
1	48.624	-76.52	-48.97	-13.00	35.97	27.55	PASS
2	66.5205	-66.43	-45.27	-13.00	32.27	21.16	PASS
3	80.0035	-70.27	-53.88	-13.00	40.88	16.39	PASS
4	120.016	-74.53	-58.12	-13.00	45.12	16.41	PASS
5	233.2635	-84.70	-58.37	-13.00	45.37	26.33	PASS
6	925.2615	-78.31	-40.91	-13.00	27.91	37.40	PASS

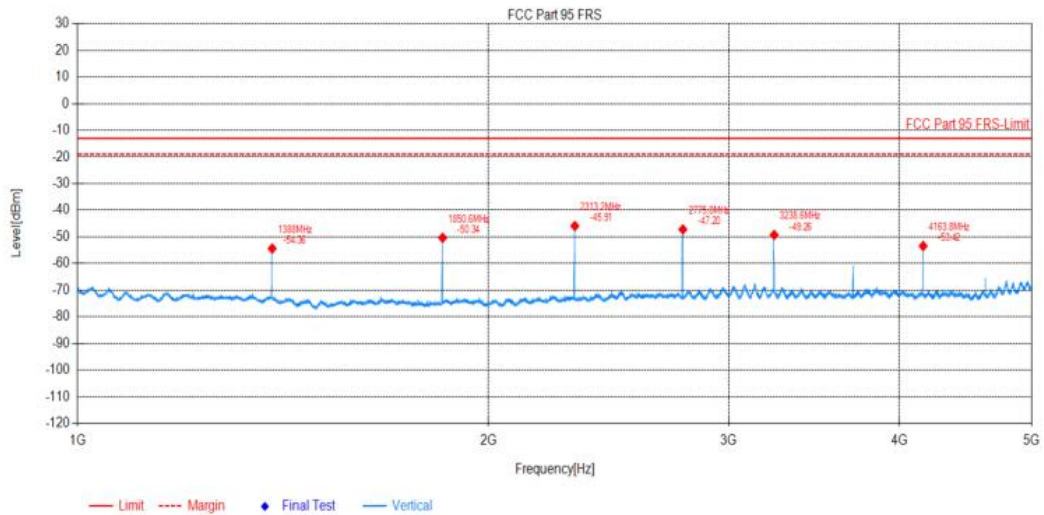


Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Verdict
1	1388	-39.04	-47.42	-13.00	34.42	-8.38	PASS
2	1850.6	-33.76	-41.99	-13.00	28.99	-8.23	PASS
3	2313.2	-32.35	-38.00	-13.00	25.00	-5.65	PASS
4	2775.8	-44.68	-48.25	-13.00	35.25	-3.57	PASS
5	3238.6	-50.69	-52.14	-13.00	39.14	-1.45	PASS
6	3701.2	-56.50	-57.34	-13.00	44.34	-0.84	PASS

Test Channel:	CH _{M3}	Polarity:	Vertical
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Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Verdict
1	48.624	-76.54	-53.81	-13.00	40.81	22.73	PASS
2	66.6175	-67.17	-46.72	-13.00	33.72	20.45	PASS
3	80.0035	-70.13	-52.25	-13.00	39.25	17.88	PASS
4	119.9675	-74.82	-52.22	-13.00	39.22	22.60	PASS
5	159.98	-78.93	-57.45	-13.00	44.45	21.48	PASS
6	925.2615	-77.58	-42.30	-13.00	29.30	35.28	PASS



Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Verdict
1	1388	-46.03	-54.36	-13.00	41.36	-8.33	PASS
2	1850.6	-42.12	-50.34	-13.00	37.34	-8.22	PASS
3	2313.2	-40.20	-45.91	-13.00	32.91	-5.71	PASS
4	2775.8	-43.59	-47.20	-13.00	34.20	-3.61	PASS
5	3238.6	-47.87	-49.26	-13.00	36.26	-1.39	PASS
6	4163.8	-54.87	-53.42	-13.00	40.42	1.45	PASS

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