

TEST REPORT

Report No. CISRR25022815205

Project No. CISR250228152

FCC ID 2BFTE-GT09-2

Applicant Dongguan Haiyou Electronic Technology Co., Ltd.

Address Room 301, Building 2, No. 6, Shangxiawei Industrial Road, Zhutang,

Fenggang Town, Dongguan City, Guangdong Province, China

Manufacturer Dongguan Haiyou Electronic Technology Co., Ltd.

Address Room 301, Building 2, No. 6, Shangxiawei Industrial Road, Zhutang,

Fenggang Town, Dongguan City, Guangdong Province, China

Product Name GT09-2

Trade Mark N/A

Model/Type reference GT09-2

Listed Model(s) GS18, GT09, GD35, Z05

Standard 47 CFR Part 15.247

Test date February 28, 2025 to March 8, 2025

Issue date March 10, 2025

Test result Complied

Prepared by: Rory Huang

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GenryLong

Approved by: Genry Long

The test results relate only to the tested samples.

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1. REPORT VERSION

Version No.	Issue date	Description
00	March 10, 2025	Original

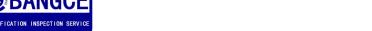


2. TEST DESCRIPTION

No.	Test Item	Standard Requirement	Result
1	Antenna Requirement	47 CFR 15.203	Pass
2	Conducted Emission at AC power line	47 CFR 15.207(a)	Pass
3	Maximum Conducted Output Power	47 CFR 15.247(b)(1)	Pass
4	Channel Separation	47 CFR 15.247(a)(1)	Pass
5	Number of Hopping Frequencies	47 CFR 15.247(a)(1)(iii)	Pass
6	Dwell Time	47 CFR 15.247(a)(1)(iii)	Pass
7	Conducted band edge and spurious emission	47 CFR 15.247(d), 15.209, 15.205	Pass
8	Radiated band edge emission	47 CFR 15.247(d), 15.209, 15.205	Pass
9	Radiated Spurious Emission (below 1GHz)	47 CFR 15.247(d), 15.209, 15.205	Pass
10	Radiated Spurious Emission (Above 1GHz)	47 CFR 15.247(d), 15.209, 15.205	Pass

Note:

The measurement uncertainty is not included in the test result.



3. **SUMMARY**

3.1. Product Description *

Main unit information:			
Product Name:	GT09-2		
Trade Mark:	N/A		
Model No.:	GT09-2		
Listed Model(s):	GS18, GT09, GD35, Z05		
Model difference:	The difference between different models is that in this application, due to different sales channels and different model names.		
Power supply:	input:DC 5V		
Hardware version:	N/A		
Software version:	N/A		
Accessory unit (AU) information:			
Battery:	N/A		

3.2. Radio Specification Description *

Modulation type:	GFSK, π/4 DQPSK, 8DPSK
Operation frequency:	2402MHz to 2480MHz
Channel number:	79
Channel separation:	1MHz
Antenna type:	Chip
Antenna gain:	2.78dBi

Note:

- 1) *: Since the above information is provided by the applicant relevant results or conclusions of this report are only made for these information, Bangce is not responsible for the authenticity, integrity and results of the information and/or the validity of the conclusion.
- 2) Operation frequency list as follow:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468



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7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461	-	-

3.3. Modification of EUT

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

3.4. Deviation from standards

None

3.5. Testing Site

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



4. TEST CONFIGURATION

4.1. Test frequency list

Lowest Channel (LCH)	Middle Channel (MCH)	Highest Channel (HCH)
(MHz)	(MHz)	(MHz)
2402	2441	2480

4.2. Descriptions of test mode

No	Test mode	Description
TM1	TX-GFSK (Non-Hopping)	Keep the EUT in continuously transmitting mode (non-hopping) with GFSK modulation at lowest, middle and highest channel.
TM2	TX-Pi/4DQPSK (Non- Hopping)	Keep the EUT in continuously transmitting mode (non-hopping) with Pi/4DQPSK modulation at lowest, middle and highest channel.
TM3	TX-8DPSK (Non-Hopping)	Keep the EUT in continuously transmitting mode (non-hopping) with 8DPSK modulation at lowest, middle and highest channel.
TM4	TX-GFSK (Hopping)	Keep the EUT in continuously transmitting mode (hopping) with GFSK modulation,.
TM5	TX-Pi/4DQPSK (Hopping)	Keep the EUT in continuously transmitting mode (hopping) with Pi/4DQPSK modulation.
ТМ6	TX-8DPSK (Hopping)	Keep the EUT in continuously transmitting mode (hopping) with 8DPSK modulation.
TM7	Link mode	Keep the EUT in Bluetooth linking mode with AE.
TM8	Charging mode	Keep the EUT in charging status.

4.3. 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
2	Phone	Huawei	NZONE S7

4.4. Test sample information

Туре	Sample No.		
Engineer sample	CISR250228152-S01		
Normal sample	CISR250228152-S02		

4.5. Environmental conditions

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



4.6. Equipment Used during the Test

Conducted Emission at AC power line

	- 1					
Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	EMI Test Receiver	Rohde&schwarz	ESCI7	100853	2025-01-08	2026-01-07
2	Artificial power network	Schwarzbeck	NSLK812 7	8127-01096	2025-01-08	2026-01-07
3	8-wire Impedance Stabilization Network	Schwarzbeck	NTFM 8158	8158-00337	2025-01-08	2026-01-07
4	Artificial power network	Schwarzbeck	ENV216	1	2025-01-08	2026-01-07

Channel Separation

Number of Hopping Frequencies

Dwell Time

Emissions in non-restricted frequency bands

Maximum Conducted Output Power

Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	MXG RF Signal Generator	Agilent	N5181A	MY50145362	2025-01-08	2026-01-07
2	Spectrum analyzer	R&S	FSV-40N	102130	2025-01-08	2026-01-07
3	Vector Signal Generator	Agilent	N5182A	MY50142364	2025-01-08	2026-01-07
4	Power Meter	WCS	WCS-PM	WCSPM23040 5A	2025-01-08	2026-01-07

Emissions in frequency bands (below 1GHz) Emissions in frequency bands (above 1GHz) Band edge emissions (Radiated)

Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	EMI Test Receiver	Rohde&schwarz	ESCI7	100853	2025-01-08	2026-01-07
2	Amplifier	Tonscend	TAP9K3G 40	AP23A806027 0	2025-01-08	2026-01-07
3	Prime amplifier	Tonscend	TAP0101 8050	AP23A806028 0	2025-01-08	2026-01-07
4	9*6*6 anechoic chamber	SKET	9.3*6.3*6	N/A	2024-09-02	2027-09-01
5	Spectrum analyzer	Agilent	N9020A	MY50530263	2025-01-08	2026-01-07
6	Spectrum analyzer	R&S	FSV-40N	102130	2025-01-08	2026-01-07
7	Bilog Antenna	Schwarzbeck	VULB 9163	1463	2023-01-09	2026-01-08
8	Horn Antenna	SCHWARZBECK	BBHA 9120 D	2487	2023-01-09	2026-01-08



9	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	1	2023-01-09	2026-01-08
10	RF Cable	Tonscend	Cable 1	1	2025-01-08	2026-01-07
11	RF Cable	Tonscend	Cable 2	1	2025-01-08	2026-01-07
12	RF Cable	SKET	Cable 3	1	2025-01-08	2026-01-07
13	L.I.S.N.#1	Schwarzbeck	NSLK812 7	1	2025-01-08	2026-01-07
14	L.I.S.N.#2	ROHDE&SCHWA RZ	ENV216	1	2025-01-08	2026-01-07
15	Horn Antenna	SCHWARZBECK	BBHA917 0	1130	2023-01-09	2026-01-08
16	Preamplifier	Tonscend	TAP1804 0048	AP21C806126	2025-01-08	2026-01-07
17	Variable-frequency power source	Pinhong	PH1110	1	2025-01-08	2026-01-07
18	6dB Attenuator	SKET	DC-6G	1	2025-01-08	2026-01-07
19	Antenna tower	SKT	Bk-4AT- BS	AT202104010 1-V1	2025-01-08	2026-01-07



5. TEST RESULTS

5.1. Evaluation Results (Evaluation)

5.1.1. 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.

5.1.1.1. Test Result

Pass

5.1.1.2. Conclusion:

The EUT antenna is Chip(2.78dBi), the directional gain of the antenna less than 6dBi. It comply 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.

5.2. Radio Spectrum Matter Test Results (RF)

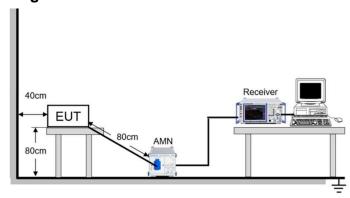
5.2.1. Conducted Emission at AC power line

Test Requirement:	Refer to 47 CFR 15.207(a), Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 µH/50 ohms line impedance stabilization network (LISN).							
	Frequency of emission (MHz) Conducted limit (dBµV)							
		Quasi-peak	Average					
Test Limit:	0.15-0.5	66 to 56*	56 to 46*					
rest Limit.	0.5-5	56	46					
	5-30	60	50					
	*Decreases with the logarithm of the frequency.							
Test Method:	ANSI C63.10-2020 section 6.2							
Procedure:	ANSI C63.10-2020 section 6.2 1. The EUT was setup according to ANSI C63.10 requirements. 2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. 3. The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. 4. The peripheral devices are also connected to the main power through a LISN. (Refer to the block diagram of the test setup and photographs) 5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source. 6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length. 7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz. 8. During the above scans, the emissions were maximized by cable manipulation.							

5.2.1.1. E.U.T. Operation

Operating Environment:							
Temperature: 22.3 °C Humidity: 56.8 % Atmospheric Pressure: 102					102 kPa		
Pre test mode:	TM ²	1, TM2, TM3, T	TM4, TM5, TM6, TM	17, TM8			
Final test mode	TM	1, TM2, TM3, T	TM4, TM5, TM6, TM	17, TM8			

5.2.1.2. Test Setup Diagram





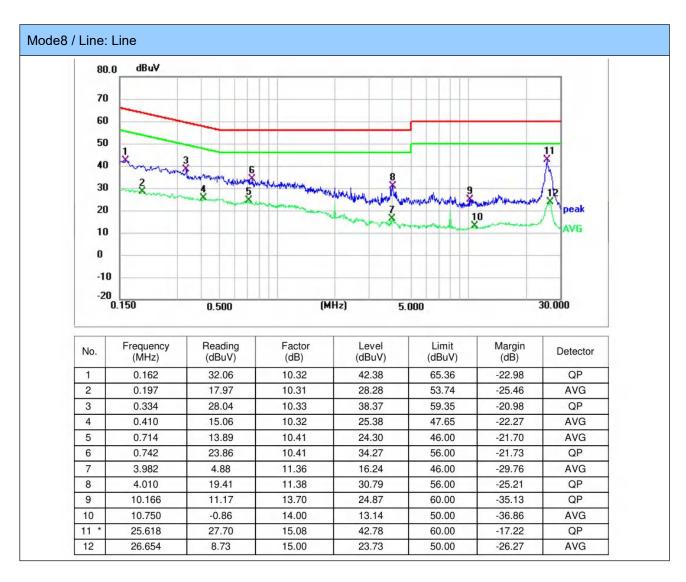
5.2.1.3. Test Result

Pass

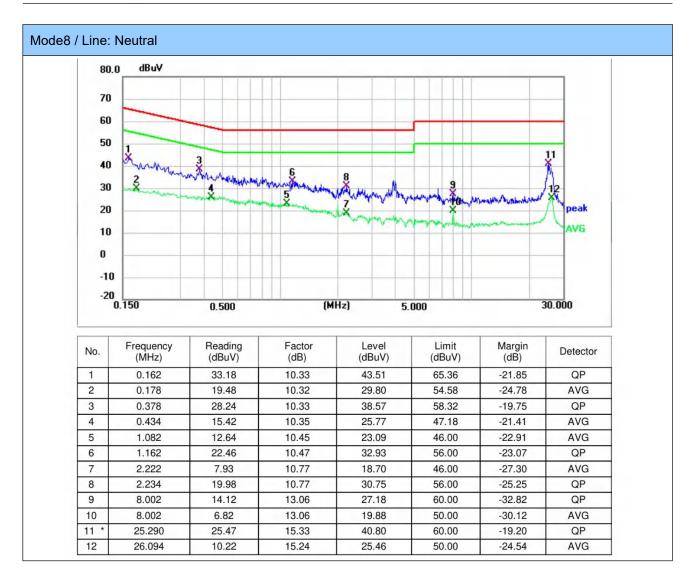
5.2.1.4. Test Data

Note:

The BT function of this product does not work in charging mode, so only the charging mode(TM8) is tested







Note:

- 1). Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
- 2). Margin = Result Limit

5.2.2. Maximum Conducted Output Power

Test Requirement:	47 CFR 15.247(b)(1)
Test Limit:	Refer to 47 CFR 15.247(b)(1), For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.
Test Method:	ANSI C63.10-2020, section 7.8.5
Procedure:	This is an RF-conducted test to evaluate maximum peak output power. Use a direct connection between the antenna port of the unlicensed wireless device and the spectrum analyzer, through suitable attenuation. Frequency hopping shall be disabled for this test. Use the following spectrum analyzer settings: a) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel. b) RBW > 20 dB bandwidth of the emission being measured. c) VBW ≥ RBW. d) Sweep: No faster than coupled (auto) time. e) Detector function: Peak. f) Trace: Max-hold. g) Allow trace to stabilize. h) Use the marker-to-peak function to set the marker to the peak of the emission. i) The indicated level is the peak output power, after any corrections for external attenuators and cables. j) A spectral plot of the test results and setup description shall be included in the test report. NOTE—A peak responding power meter may be used, where the power meter and sensor system video bandwidth is greater than the occupied bandwidth of the unlicensed wireless device, rather than a spectrum analyzer.

5.2.2.1. E.U.T. Operation

Operating Environment:									
Temperature: 23 °C			Humidity:	56.5 %	Atmospheric Pressure:	103 kPa			
Pre test mode:		TM	1, TM2, TM3						
Final test mode:		TM	1, TM2, TM3						

5.2.2.2. Test Setup Diagram



5.2.2.3. Test Result

Pass

5.2.2.4. Test Data

5.2.3. Channel Separation

Test Requirement:	47 CFR 15.247(a)(1)
Test Limit:	Refer to 47 CFR 15.247(a)(1), Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.
Test Method:	ANSI C63.10-2020, section 7.8.2
Procedure:	The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings: a) Span: Wide enough to capture the peaks of two adjacent channels. b) RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel. c) Video (or average) bandwidth (VBW) ≥ RBW. d) Sweep: No faster than coupled (auto) time. e) Detector function: Peak. f) Trace: Max-hold. g) Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Compliance of an EUT with the appropriate regulatory limit shall be determined. A spectral plot of the data shall be included in the test report.

5.2.3.1. E.U.T. Operation

Operating Environment:									
Temperature: 23 °C			Humidity:	56.5 %	Atmospheric Pressure:	103 kPa			
Pre test mode:	TM	4, TM5, TM6							
Final test mode:			4, TM5, TM6						

5.2.3.2. Test Setup Diagram



5.2.3.3. Test Result

Pass

5.2.3.4. Test Data

5.2.4. Number of Hopping Frequencies

Test Requirement:	47 CFR 15.247(a)(1)(iii)
Test Limit:	Refer to 47 CFR 15.247(a)(1)(iii), Fequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.
Test Method:	ANSI C63.10-2020, section 7.8.3
Procedure:	The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings: a) Span: The frequency band of operation. Depending on the number of channels the device supports, it could be necessary to divide the frequency range of operation across multiple spans, to allow the individual channels to be clearly seen. b) RBW: To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller. c) VBW ≥ RBW. d) Sweep: No faster than coupled (auto) time. e) Detector function: Peak. f) Trace: Max-hold. g) Allow the trace to stabilize. It might prove necessary to break the span up into subranges to show clearly all of the hopping frequencies. Compliance of an EUT with the appropriate regulatory limit shall be determined for the number of hopping channels. A spectral plot of the data shall be included in the test report.

5.2.4.1. E.U.T. Operation

Operating Environment:											
Temperature:	erature: 23 °C		Humidity:	56.5 %	Atmospheric Pressure:	103 kPa					
Pre test mode:		TM	4, TM5, TM6								
Final test mode	TM	4, TM5, TM6									

5.2.4.2. Test Setup Diagram



5.2.4.3. Test Result

Pass

5.2.4.4. Test Data



5.2.5. Dwell Time

Test Requirement:	47 CFR 15.247(a)(1)(iii)
Test Limit:	Refer to 47 CFR 15.247(a)(1)(iii), Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.
Test Method:	ANSI C63.10-2020, section 7.8.4
Test Method: Procedure:	provided that a minimum of 15 channels are used. ANSI C63.10-2020, section 7.8.4 The dwell time per hop on a channel is the time from the start of the first transmission to the end of the last transmission for that hop. If the device has a single transmission per hop then the dwell time is the duration of that transmission. If the device has a multiple transmissions per hop then the dwell time is measured from the start of the first transmission to the end of the last transmission. The time of occupancy is the total time that the device dwells on a channel over an observation period specified in the regulatory requirement. To determine the time of occupancy the spectrum analyzer will be configured to measure both the dwell time per hop and the number of times the device transmits on a specific channel in a given period. The EUT shall have its hopping function enabled. Compliance with the requirements shall be made with the minimum and with the maximum number of channels than compliance with the requirements may be based on the minimum number of channels. If the device supports different dwell times per channel (example Bluetooth devices can dwell on a channel for 1, 3 or 5 time slots) then measurements can be limited to the longest dwell time with the minimum number of channels. Use the following spectrum analyzer settings to determine the dwell time per hop: a) Span: Zero span, centered on a hopping channel. b) RBW shall be ≤ channel spacing and where possible RBW should be set >> 1 / T, where T is the expected transmission time per hop. c) Sweep time: Set so that the start of the first transmission and end of the last transmission for the hop are clearly captured. Setting the sweep time to be slightly longer than the hopping period per channel (hopping period = 1/hopping rate) should achieve this. d) Use a video trigger, where possible with a trigger delay, so that the start of the transmission is clearly observed. The trigger level might need adjustment to reduce the chance of triggering when the sys
	determine the average time of occupancy. Count the number of hops on the channel across the sweep time. The average number of hops on the same channel within the regulatory observation period is calculated from the number of hops on the channel divided by the spectrum analyzer sweep time multiplied by the regulatory observation period. For example, if three hops are counted with an analyzer sweep time of 500 ms and



the regulatory observation period is 10 s, then the number of hops in that ten seconds is $3/0.5 \times 10$, or 60 hops.

The average time of occupancy is calculated by multiplying the dwell time per hop by the number of hops in the observation period.

5.2.5.1. E.U.T. Operation

Operating Environment:											
Temperature: 23 °C			Humidity:	56.5 %	Atmospheric Pressure:	103 kPa					
Pre test mode:		TM	4, TM5, TM6								
Final test mode	ə:	TM	4, TM5, TM6								

5.2.5.2. Test Setup Diagram



5.2.5.3. Test Result

Pass

5.2.5.4. Test Data



5.2.6. Conducted band edge and spurious emission

Test Requirement:	47 CFR 15.247(d), 15.209, 15.205
Test Limit:	Refer to 47 CFR 15.247(d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Test Method:	ANSI C63.10-2020 section 7.8.7
	7.8.7.1 General considerations To demonstrate compliance with the relative out-of-band emissions requirements conducted spurious emissions shall be measured for the transmit frequencies, per 5.5 and 5.6, and at the maximum transmit powers. Frequency hopping shall be disabled for this test with the exception of measurements at the allocated bandedges which shall be repeated with hopping enabled.
	Connect the primary antenna port through an attenuator to the spectrum analyzer input; in the results, account for all losses between the unlicensed wireless device output and the spectrum analyzer. The frequency range of testing shall span 30 MHz to 10 times the operating frequency and this may be done in a single sweep or, to aid resolution, across a number of sweeps. The resolution bandwidth shall be 100 kHz, video bandwidth 300 kHz, and a coupled sweep time with a peak detector.
	The limit is based on the highest in-band level across all channels measured using the same instrument settings (resolution bandwidth of 100 kHz, video bandwidth of 300 kHz, and a coupled sweep time with a peak detector). To help clearly demonstrate compliance a display line may be set at the required offset (typically 20 dB) below the highest in-band level. Where the highest in-band level is not clearly identified in the out-of-band measurements a separate spectral plot showing the in-band level shall be provided.
Procedure:	When conducted measurements cannot be made (for example a device with integrated, non-removable antenna) radiated measurements shall be used. The reference level for determining the limit shall be established by maximizing the field strength from the highest power channel and measuring using the resolution and video bandwidth settings and peak detector as described above. The field strength limit for spurious emissions outside of restricted-bands shall then be set at the required offset (typically 20 dB) below the highest in-band level. Radiated measurements will follow the standards measurement procedures described in Clause 6 with the exception that the resolution bandwidth shall be 100 kHz, video bandwidth 300 kHz, and a coupled sweep time with a peak detector. Note that use of wider measurement bandwidths are acceptable for measuring the spurious emissions provided that the peak detector is used and that the measured value of spurious emissions are compared to the highest in-band level measured with the 100 kHz / 300 kHz bandwidth settings to determine compliance.
	7.8.7.2 Band-edges Compliance with a relative limit at the band-edges (e.g., -20 dBc) shall be made on the lowest and on the highest channels with frequency hopping disabled and repeated with frequency hopping enabled. For the latter test the hopping sequence shall include the lowest and highest channels. For measurements with the hopping disabled the analyzer screen shall clearly
	show compliance with the requirement within 10 MHz of the allocated band-edge.



For measurements with the hopping enabled the analyzer screen shall clearly show compliance with the requirement within 10 MHz of both of the allocated bandedges. This could require separate spectral plots for each band-edge.

5.2.6.1. E.U.T. Operation

Operating Environment:											
Temperature:	23 °C	Humidity:	56.5 %	Atmospheric Pressure:	103 kPa						
Pre test mode:		TM1, TM2, TM3,	TM4, TM5, TM6								
Final test mode	э:	TM1, TM2, TM3,	TM4, TM5, TM6								

5.2.6.2. Test Setup Diagram



5.2.6.3. Test Result

Pass

5.2.6.4. Test Data

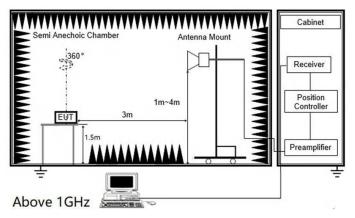
5.2.7. Radiated band edge emission

Test Requirement:	restricted bands, as defin	Refer to 47 CFR 15.247(d), In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`					
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)				
	0.009-0.490	2400/F(kHz)	300				
	0.490-1.705	24000/F(kHz)	30				
	1.705-30.0	30	30				
	30-88	100 **	3				
	88-216	150 **	3				
T. (4.1.5) 16	216-960	200 **	3				
Test Limit:	Above 960	500	3				
	15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.						
Test Method:	ANSI C63.10-2020 section	on 6.10					
Procedure:	2. The EUT is placed on table is rotated 360 degree level. 3. The EUT waspositioned meters. 4. The antenna is scanned emission level. This is repartenna. In order to find the manipulated according to 5. Use the following special Span shall wide enough by Set RBW=1MHz, VBW Trace=max hold for Peak	yh to fully capture the emission /=3MHz for >1GHz, Sweep tim a measurement nt: use duty cycle correction fa	above ground. The turn f the maximum emission antenna to the EUT was 3 find out the maximum vertical polarization of the ne interface cables were asurement. being measured ne=auto, Detector=peak,				

5.2.7.1. E.U.T. Operation

Operating Environment:										
Temperature:	22.7 °C	Humidity:	56.2 %	Atmospheric Pressure:	102 kPa					
Pre test mode: TM1, TM2, TM3, TM4, TM5, TM6, TM7, TM8										
Final test mode: TM1, TM2, TM3, TM4, TM5, TM6, TM7, TM8										

5.2.7.2. Test Setup Diagram



5.2.7.3. Test Result

Pass

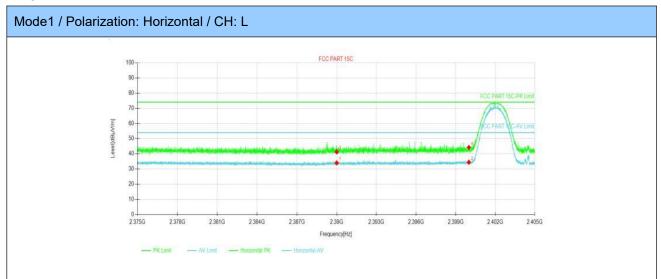
5.2.7.4. Test Data

Note:

- 1) Level= Reading + Factor; Factor = Antenna Factor+ Cable Loss- Preamp Factor
- 2) Margin = Limit Level
- 3) Average measurement was not performed if peak level is lower than average limit
- 4) The other emission levels were very low against the limit.

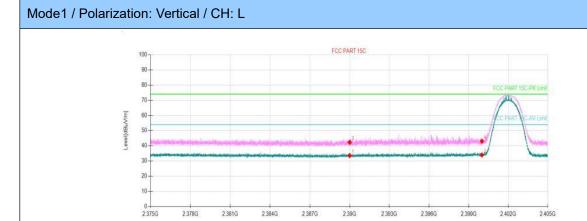
Have pre-scan all test mode, found TM1 mode which it was worst case, so only show the worst case's data on this report.

RIGHT:



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict		
1	2390	27.48	34.04	6.56	54.00	19.96	Horizontal	PASS		
2	2400.00	27.87	34.48	6.61	54.00	19.52	Horizontal	PASS		
3	2390	34.77	41.33	6.56	74.00	32.67	Horizontal	PASS		
4	2400.00	37.56	44.17	6.61	74.00	29.83	Horizontal	PASS		



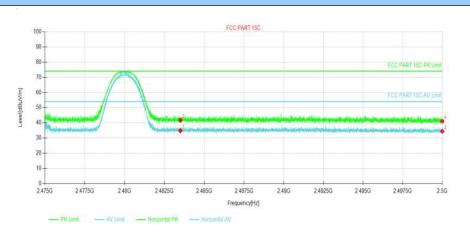


— PK Limit — AV Limit — Vertical PK — Vertical AV

Suspected Data List											
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict			
1	2390	27.00	33.56	6.56	54.00	20.44	Vertical	PASS			
2	2400.00	27.35	33.96	6.61	54.00	20.04	Vertical	PASS			
3	2390	35.78	42.34	6.56	74.00	31.66	Vertical	PASS			
4	2400.00	36.48	43.09	6.61	74.00	30.91	Vertical	PASS			



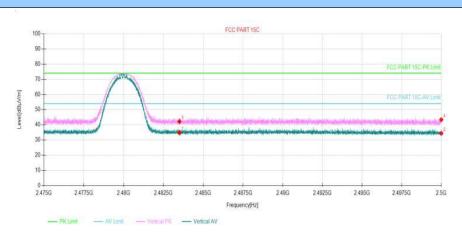
Mode1 / Polarization: Horizontal / CH: H



Suspected Data List											
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict			
1	2483.5	28.32	34.88	6.56	54.00	19.12	Horizontal	PASS			
2	2500	27.88	34.43	6.55	54.00	19.57	Horizontal	PASS			
3	2483.5	35.18	41.74	6.56	74.00	32.26	Horizontal	PASS			
4	2500	34.54	41.09	6.55	74.00	32.91	Horizontal	PASS			



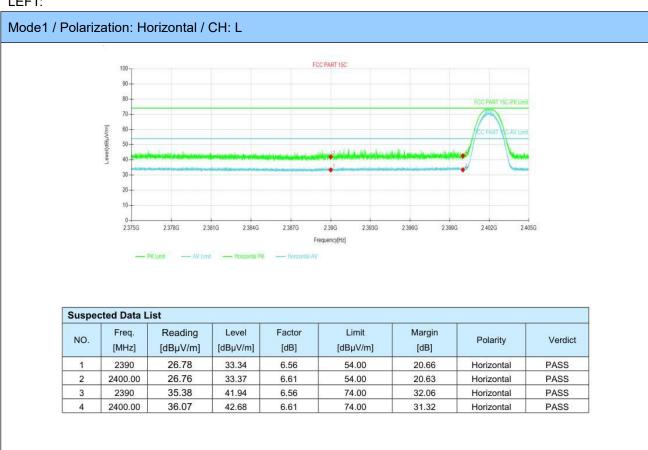
Mode1 / Polarization: Vertical / CH: H



Suspected Data List											
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict			
1	2483.5	28.22	34.78	6.56	54.00	19.22	Vertical	PASS			
2	2500	27.86	34.41	6.55	54.00	19.59	Vertical	PASS			
3	2483.5	35.65	42.21	6.56	74.00	31.79	Vertical	PASS			
4	2500	36.86	43 41	6.55	74.00	30.59	Vertical	PASS			



LEFT:





Mode1 / Polarization: Vertical / CH: L

2.384G

2.387G

— PK Limit — AV Limit — Vertical PK — Vertical AV

2.381G

0 2.375G

2.378G

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict	
1	2390	26.37	32.93	6.56	54.00	21.07	Vertical	PASS	
2	2400.00	26.92	33.53	6.61	54.00	20.47	Vertical	PASS	
3	2390	35.55	42.11	6.56	74.00	31.89	Vertical	PASS	
4	2400.00	34.98	41.59	6.61	74.00	32.41	Vertical	PASS	

2.39G

2.393G

2.396G

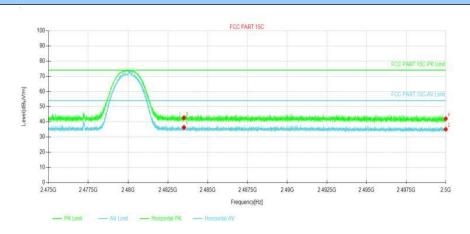
2.399G

2.402G

2.405G



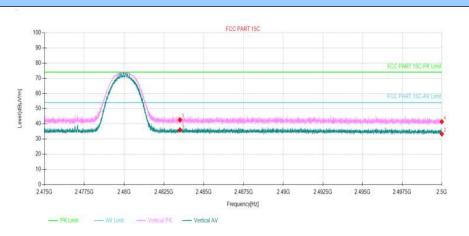
Mode1 / Polarization: Horizontal / CH: H



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict	
1	2483.5	29.77	36.33	6.56	54.00	17.67	Horizontal	PASS	
2	2500	28.57	35.12	6.55	54.00	18.88	Horizontal	PASS	
3	2483.5	36.07	42.63	6.56	74.00	31.37	Horizontal	PASS	
4	2500	35.53	42.08	6.55	74.00	31.92	Horizontal	PASS	



Mode1 / Polarization: Vertical / CH: H



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict	
1	2483.5	29.47	36.03	6.56	54.00	17.97	Vertical	PASS	
2	2500	26.79	33.34	6.55	54.00	20.66	Vertical	PASS	
3	2483.5	36.01	42.57	6.56	74.00	31.43	Vertical	PASS	
4	2500	34.88	41.43	6.55	74.00	32.57	Vertical	PASS	

CISRR25022815205



5.2.8. Radiated Spurious Emission (below 1GHz)

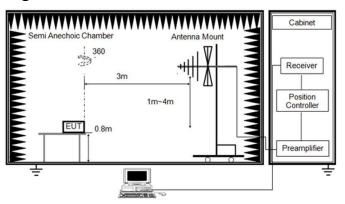
Test Requirement:	Refer to 47 CFR 15.247(d), In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`							
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)					
	0.009-0.490	2400/F(kHz)	300					
	0.490-1.705	24000/F(kHz)	30					
	1.705-30.0	30	30					
	30-88	100 **	3					
	88-216	150 **	3					
Took I insite	216-960	200 **	3					
Test Limit:	Above 960	500	3					
	54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.							
Test Method:	ANSI C63.10-2020 section 6.6.4							
Procedure:	 The EUT was setup and tested according to ANSI C63.10. 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 turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines. Set to the maximum power setting and enable the EUT transmit continuously. Use the following spectrum analyzer settings Span shall wide enough to fully capture the emission being measured; RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold; If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. 							

5.2.8.1. E.U.T. Operation

Operating Environment:										
Temperature:	22.7 °C	C Humidity:		56.2 %	Atmospheric Pressure:	102 kPa				
Pre test mode:	TM	TM1, TM2, TM3, TM4, TM5, TM6, TM7, TM8								
Final test mode	TM	1, TM2, TM3, T	M4, TM5, TM6, TM	17, TM8						



5.2.8.2. Test Setup Diagram



Below 1 GHz and above 30 MHz

5.2.8.3. Test Result

Pass

5.2.8.4. Test Data

Note:

- 1) Level= Reading + Factor/Transd; Factor/Transd = Antenna Factor+ Cable Loss- Preamp Factor
- 2) Margin = Limit Level
- 3) Average measurement was not performed if peak level is lower than average limit(54 dBuV/m) for above 1GHz.
- 4) The other emission levels were very low against the limit.
- 5) This test was performed with EUT in X, Y, Z position and the worse case was found when EUT in X position.

For 9 kHz ~ 30 MHz

6

952.094

44.70

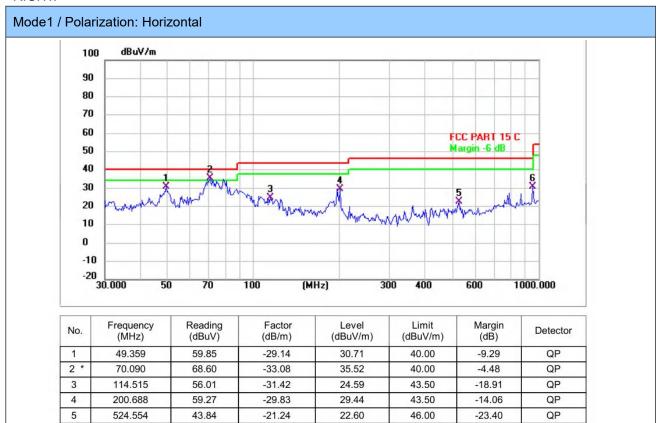
-13.99

The EUT was pre-scanned this frequency band, found the radiated level 20dB lower than the limit, so don't show data on this report.

For 30 MHz ~ 1000 MHz

Have pre-scan all test mode, found TM1 mode which it was worst case, so only show the worst case's data on this report.

RIGHT:



30.71

46.00

-15.29

QP



Mode1 / Polarization: Vertical dBuV/m FCC PART 15 C Margin -6 dB -10 -20 30.000

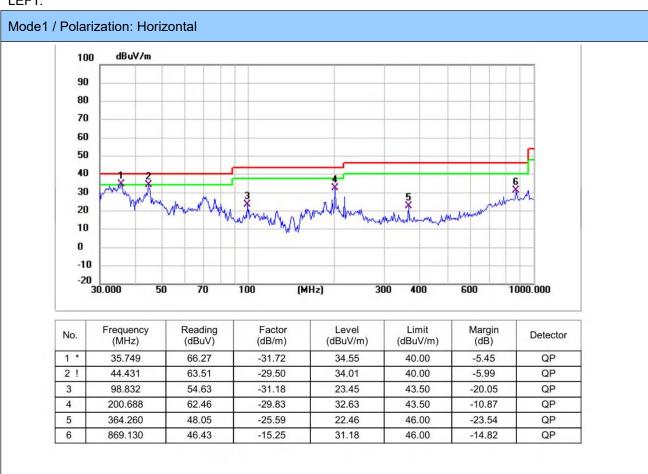
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.888	48.18	-31.00	17.18	40.00	-22.82	QP
2 *	56.395	60.82	-30.40	30.42	40.00	-9.58	QP
3	110.569	45.01	-30.60	14.41	43.50	-29.09	QP
4	200.688	50.99	-29.83	21.16	43.50	-22.34	QP
5	361.714	45.07	-25.55	19.52	46.00	-26.48	QP
6	881.407	45.86	-15.13	30.73	46.00	-15.27	QP

(MHz)

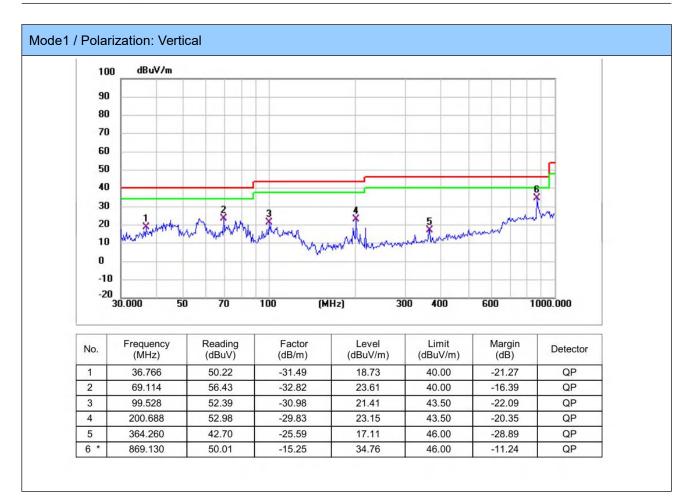
1000.000



LEFT:







Note:

1) For 9 kHz ~ 30 MHz Measurement

The EUT was pre-scanned this frequency band, found the radiated level 20dB lower than the limit, so don't show data on this report.

- 2) Level= Reading + Factor; Factor = Antenna Factor + Cable Loss- Preamp Factor
- 3) Margin = Limit Level

CISRR25022815205



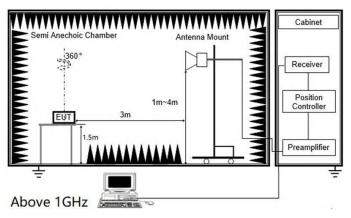
5.2.9. Radiated Spurious Emission (Above 1GHz)

Test Requirement:		sions which fall in the restricted ply with the radiated emission ()).`	
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30	30
	30-88	100 **	3
	88-216	150 **	3
Total Contr	216-960	200 **	3
Test Limit:	Above 960	500	3
	The emission limits show employing a CISPR quas 110–490 kHz and above	ve, the tighter limit applies at the in the above table are based i-peak detector except for the flood MHz. Radiated emission ents employing an average dete	on measurements requency bands 9–90 kHz, limits in these three bands
Test Method:	ANSI C63.10-2020 sectio	n 6.6.4	
Procedure:	2. The EUT is placed on a GHz, and 1.5 m for above determine the position of 3. The EUT was set 3 me the top of a variable heigh 4. For each suspected en tune the Antenna tower (f degrees) to find the maxim for the test in order to get 5. Set to the maximum po 6. Use the following specia) Span shall wide enoug b) Set RBW=1MHz, VBW Trace=max hold for Peak	nission, the EUT was arranged from 1 m to 4 m) and turntable on the reading. A pre-amp and a better signal level to comply we were setting and enable the EU trum analyzer settings to fully capture the emission =3MHz for >1GHz, Sweep time measurement at: use duty cycle correction factors.	above ground for below 1 ed 360 degrees to a, which was mounted on to its worst case and then (from 0 degree to 360 high pass filter are used with the guidelines. T transmit continuously. being measured; e=auto, Detector=peak,

5.2.9.1. E.U.T. Operation

Operating Envi	ironment:							
Temperature:	22.7 °C	;	Humidity:	56.2 %	Atmospheric Pressure:	102 kPa		
Pre test mode:		TM	TM1, TM2, TM3, TM4, TM5, TM6, TM7, TM8					
Final test mode	TM	1, TM2, TM3, T	TM4, TM5, TM6, TM	17, TM8				

5.2.9.2. Test Setup Diagram



5.2.9.3. Test Result

Pass



5.2.9.4. Test Data

For 1 GHz ~ 25 GHz

11

12

9899.4

17939.0

38.98

33.73

42.44

46.87

3.46

13.14

74.00

74.00

31.56

27.13

Horizontal

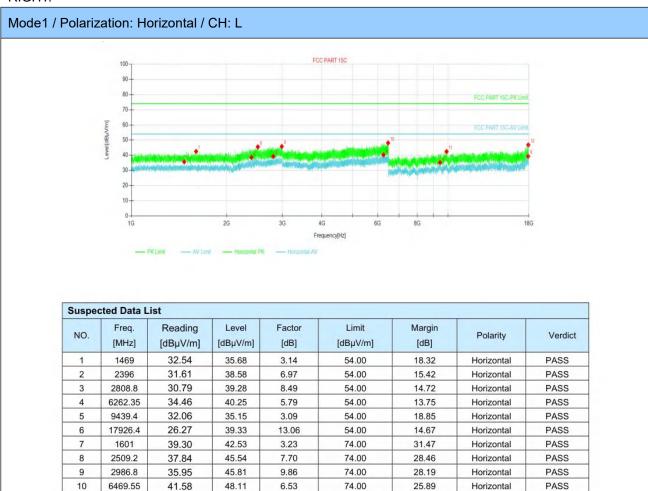
Horizontal

PASS

PASS

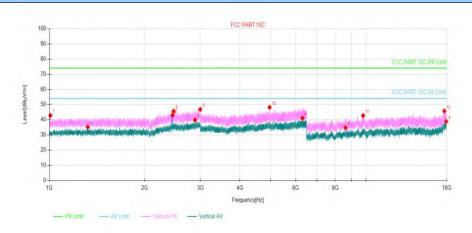
Have pre-scan all test mode, found TM1 mode which it was worst case, so only show the worst case's data on this report.

RIGHT:





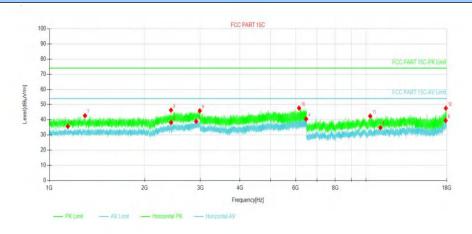
Mode1 / Polarization: Vertical / CH: L



NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	1322.8	32.68	35.20	2.52	54.00	18.80	Vertical	PASS
2	2448.8	35.68	43.04	7.36	54.00	10.96	Vertical	PASS
3	2886.4	30.79	39.82	9.03	54.00	14.18	Vertical	PASS
4	6304.7	35.13	41.04	5.91	54.00	12.96	Vertical	PASS
5	8616	33.28	34.79	1.51	54.00	19.21	Vertical	PASS
6	17939.0	25.79	38.93	13.14	54.00	15.07	Vertical	PASS
7	1007.2	42.81	42.77	-0.04	74.00	31.23	Vertical	PASS
8	2466.6	38.13	45.62	7.49	74.00	28.38	Vertical	PASS
9	2996.8	36.88	46.82	9.94	74.00	27.18	Vertical	PASS
10	4962.8	46.02	48.19	2.17	74.00	25.81	Vertical	PASS
11	9793.6	39.51	42.75	3.24	74.00	31.25	Vertical	PASS
12	17679.1	33.79	45.75	11.96	74.00	28.25	Vertical	PASS



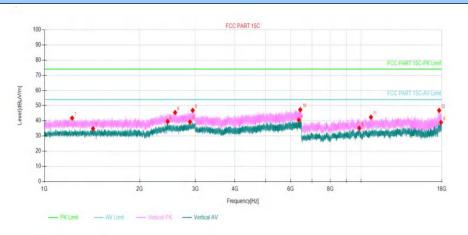
Mode1 / Polarization: Horizontal / CH: M



NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	1144	34.23	35.62	1.39	54.00	18.38	Horizontal	PASS
2	2424	31.01	38.18	7.17	54.00	15.82	Horizontal	PASS
3	2907.8	29.73	38.92	9.19	54.00	15.08	Horizontal	PASS
4	6472	34.01	40.54	6.53	54.00	13.46	Horizontal	PASS
5	11101.1	29.95	34.77	4.82	54.00	19.23	Horizontal	PASS
6	17865.4	26.55	39.53	12.98	54.00	14.47	Horizontal	PASS
7	1296.4	40.30	42.68	2.38	74.00	31.32	Horizontal	PASS
8	2421.8	39.20	46.35	7.15	74.00	27.65	Horizontal	PASS
9	2985.8	36.08	45.93	9.85	74.00	28.07	Horizontal	PASS
10	6147.9	42.20	47.71	5.51	74.00	26.29	Horizontal	PASS
11	10311.1	38.18	42.41	4.23	74.00	31.59	Horizontal	PASS
12	17886.1	34.71	47.64	12.93	74.00	26.36	Horizontal	PASS



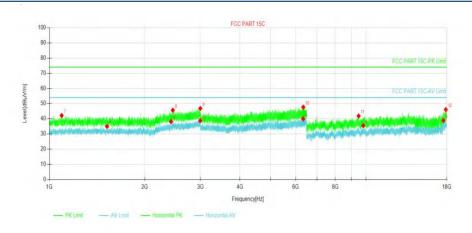
Mode1 / Polarization: Vertical / CH: M



NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	1424.8	31.81	34.82	3.01	54.00	19.18	Vertical	PASS
2	2451.4	32.19	39.57	7.38	54.00	14.43	Vertical	PASS
3	2883.4	30.28	39.29	9.01	54.00	14.71	Vertical	PASS
4	6363.85	34.14	40.44	6.30	54.00	13.56	Vertical	PASS
5	9869.5	31.77	35.17	3.40	54.00	18.83	Vertical	PASS
6	17908	26.00	38.95	12.95	54.00	15.05	Vertical	PASS
7	1224	39.84	41.76	1.92	74.00	32.24	Vertical	PASS
8	2588.6	38.13	45.44	7.31	74.00	28.56	Vertical	PASS
9	2942	37.41	46.89	9.48	74.00	27.11	Vertical	PASS
10	6433.15	40.78	47.31	6.53	74.00	26.69	Vertical	PASS
11	10756.1	37.68	42.37	4.69	74.00	31.63	Vertical	PASS
12	17659.6	34.71	46.83	12.12	74.00	27.17	Vertical	PASS



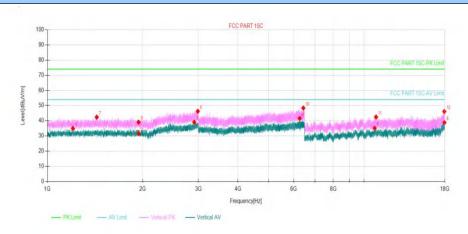
Mode1 / Polarization: Horizontal / CH: H



NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	1521.6	31.72	34.95	3.23	54.00	19.05	Horizontal	PASS
2	2423.2	30.94	38.10	7.16	54.00	15.90	Horizontal	PASS
3	2995.8	28.78	38.71	9.93	54.00	15.29	Horizontal	PASS
4	6335.15	33.87	39.98	6.11	54.00	14.02	Horizontal	PASS
5	9803.95	32.23	35.49	3.26	54.00	18.51	Horizontal	PASS
6	17568.7	27.06	38.85	11.79	54.00	15.15	Horizontal	PASS
7	1093.8	41.13	42.14	1.01	74.00	31.86	Horizontal	PASS
8	2455	38.23	45.63	7.40	74.00	28.37	Horizontal	PASS
9	2997.8	36.87	46.82	9.95	74.00	27.18	Horizontal	PASS
10	6338.65	41.54	47.67	6.13	74.00	26.33	Horizontal	PASS
11	9481.95	38.66	41.81	3.15	74.00	32.19	Horizontal	PASS
12	17880.4	33.11	46.05	12.94	74.00	27.95	Horizontal	PASS



Mode1 / Polarization: Vertical / CH: H



NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	1204.4	33.19	34.99	1.80	54.00	19.01	Vertical	PASS
2	1941.8	27.12	31.64	4.52	54.00	22.36	Vertical	PASS
3	2909.8	29.86	39.06	9.20	54.00	14.94	Vertical	PASS
4	6264.1	35.77	41.56	5.79	54.00	12.44	Vertical	PASS
5	10804.4	30.27	35.15	4.88	54.00	18.85	Vertical	PASS
6	17960.9	25.54	38.82	13.28	54.00	15.18	Vertical	PASS
7	1432.2	39.34	42.37	3.03	74.00	31.63	Vertical	PASS
8	1941.2	34.56	39.08	4.52	74.00	34.92	Vertical	PASS
9	2987.4	36.39	46.25	9.86	74.00	27.75	Vertical	PASS
10	6434.2	41.86	48.39	6.53	74.00	25.61	Vertical	PASS
11	10918.3	37.73	42.45	4.72	74.00	31.55	Vertical	PASS
12	17939.0	32.96	46.10	13.14	74.00	27.90	Vertical	PASS



LEFT:

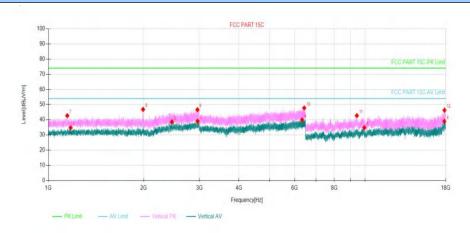


NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	1365.4	32.21	34.96	2.75	54.00	19.04	Horizontal	PASS
2	1941.4	29.48	34.00	4.52	54.00	20.00	Horizontal	PASS
3	2984	28.92	38.75	9.83	54.00	15.25	Horizontal	PASS
4	6426.85	34.35	40.88	6.53	54.00	13.12	Horizontal	PASS
5	9933.9	31.61	34.99	3.38	54.00	19.01	Horizontal	PASS
6	17864.3	26.14	39.12	12.98	54.00	14.88	Horizontal	PASS
7	1060.4	41.95	42.56	0.61	74.00	31.44	Horizontal	PASS
8	1941.2	34.76	39.28	4.52	74.00	34.72	Horizontal	PASS
9	2949.2	36.70	46.24	9.54	74.00	27.76	Horizontal	PASS
10	6498.25	41.33	47.86	6.53	74.00	26.14	Horizontal	PASS
11	9779.8	39.23	42.45	3.22	74.00	31.55	Horizontal	PASS
12	17955.1	32.99	46.24	13.25	74.00	27.76	Horizontal	PASS

Frequency[Hz]



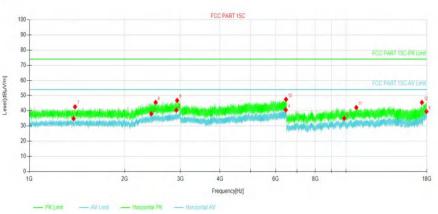
Mode1 / Polarization: Vertical / CH: L



uspe	cted Data L	ist						
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	1175.8	33.10	34.71	1.61	54.00	19.29	Vertical	PASS
2	2457.4	31.19	38.61	7.42	54.00	15.39	Vertical	PASS
3	2959.6	29.43	39.06	9.63	54.00	14.94	Vertical	PASS
4	6330.6	33.83	39.91	6.08	54.00	14.09	Vertical	PASS
5	9950	31.43	34.77	3.34	54.00	19.23	Vertical	PASS
6	17824.0	25.87	38.95	13.08	54.00	15.05	Vertical	PASS
7	1147.6	41.29	42.70	1.41	74.00	31.30	Vertical	PASS
8	1991.6	42.03	46.84	4.81	74.00	27.16	Vertical	PASS
9	2956.8	37.01	46.61	9.60	74.00	27.39	Vertical	PASS
10	6430.7	41.26	47.79	6.53	74.00	26.21	Vertical	PASS
11	9425.6	39.64	42.71	3.07	74.00	31.29	Vertical	PASS
12	17834.4	33.27	46.32	13.05	74.00	27.68	Vertical	PASS



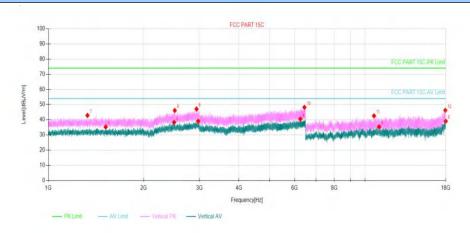
Mode1 / Polarization: Horizontal / CH: M



NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	1379.4	32.00	34.82	2.82	54.00	19.18	Horizontal	PASS
2	2427.4	30.79	37.99	7.20	54.00	16.01	Horizontal	PASS
3	2912	31.14	40.36	9.22	54.00	13.64	Horizontal	PASS
4	6453.8	34.04	40.57	6.53	54.00	13.43	Horizontal	PASS
5	9871.8	31.62	35.02	3.40	54.00	18.98	Horizontal	PASS
6	17960.9	26.20	39.48	13.28	54.00	14.52	Horizontal	PASS
7	1394.2	39.70	42.60	2.90	74.00	31.40	Horizontal	PASS
8	2505.2	37.79	45.51	7.72	74.00	28.49	Horizontal	PASS
9	2929.8	37.45	46.82	9.37	74.00	27.18	Horizontal	PASS
10	6466.4	40.99	47.52	6.53	74.00	26.48	Horizontal	PASS
11	10779.1	37.33	42.13	4.80	74.00	31.87	Horizontal	PASS
12	17372.1	35.57	45.47	9.90	74.00	28.53	Horizontal	PASS



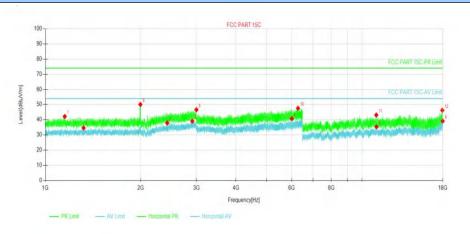
Mode1 / Polarization: Vertical / CH: M



NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	1517.8	32.02	35.25	3.23	54.00	18.75	Vertical	PASS
2	2495	30.56	38.26	7.70	54.00	15.74	Vertical	PASS
3	2972.4	29.40	39.14	9.74	54.00	14.86	Vertical	PASS
4	6251.5	34.71	40.47	5.76	54.00	13.53	Vertical	PASS
5	11080.4	30.53	35.30	4.77	54.00	18.70	Vertical	PASS
6	17998.8	25.55	39.07	13.52	54.00	14.93	Vertical	PASS
7	1329.2	40.31	42.87	2.56	74.00	31.13	Vertical	PASS
8	2507.6	38.44	46.14	7.70	74.00	27.86	Vertical	PASS
9	2937.2	37.65	47.09	9.44	74.00	26.91	Vertical	PASS
10	6440.15	41.69	48.22	6.53	74.00	25.78	Vertical	PASS
11	10681.4	38.16	42.58	4.42	74.00	31.42	Vertical	PASS
12	17942.5	33.11	46.28	13.17	74.00	27.72	Vertical	PASS

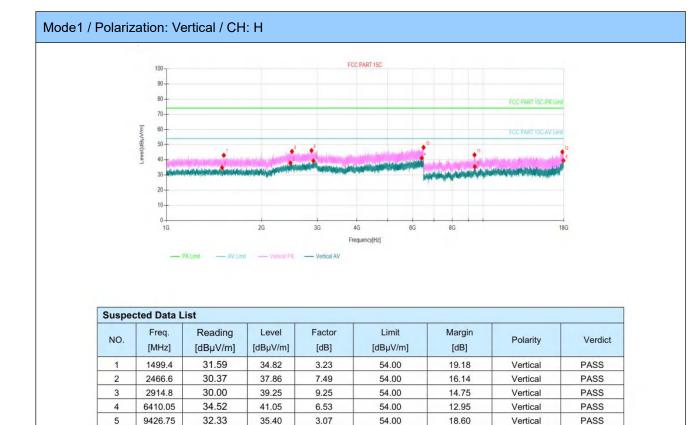


Mode1 / Polarization: Horizontal / CH: H



NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	1320.8	32.13	34.64	2.51	54.00	19.36	Horizontal	PASS
2	2426	30.72	37.91	7.19	54.00	16.09	Horizontal	PASS
3	2911.4	29.83	39.05	9.22	54.00	14.95	Horizontal	PASS
4	6000.9	35.46	40.73	5.27	54.00	13.27	Horizontal	PASS
5	11109.2	30.61	35.42	4.81	54.00	18.58	Horizontal	PASS
6	17986.2	25.67	39.11	13.44	54.00	14.89	Horizontal	PASS
7	1151.4	40.70	42.14	1.44	74.00	31.86	Horizontal	PASS
8	1996.2	45.25	50.09	4.84	74.00	23.91	Horizontal	PASS
9	2999.2	36.68	46.64	9.96	74.00	27.36	Horizontal	PASS
10	6280.55	41.75	47.58	5.83	74.00	26.42	Horizontal	PASS
11	11097.7	38.32	43.14	4.82	74.00	30.86	Horizontal	PASS
12	17941.3	33.12	46.28	13.16	74.00	27.72	Horizontal	PASS





Note:

1) Level= Reading + Factor; Factor = Antenna Factor+ Cable Loss- Preamp Factor

39.50

42.93

45.50

46.10

48.15

43.25

45.18

13.25

3.23

7.69

8.94

6.53

3.05

13.08

54.00

74.00

74.00

74.00

74.00

74.00

74.00

14.50

31.07

28.50

27.90

25.85

30.75

28.82

Vertical

Vertical

Vertical

Vertical

Vertical

Vertical

Vertical

PASS

PASS

PASS

PASS

PASS

PASS

PASS

2) Margin = Limit – Level

6

7

8

9

10

11

12

17955.1

1519.4

2493

2874.2

6491.6

9404.9

17820.6

26.25

39.70

37.81

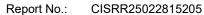
37.16

41.62

40.20

32.10

3) Average measurement was not performed if peak level is lower than average limit (54dBuV/m) for above 1GHz.





6. TEST SETUP PHOTOS

Conducted Emission at AC power line



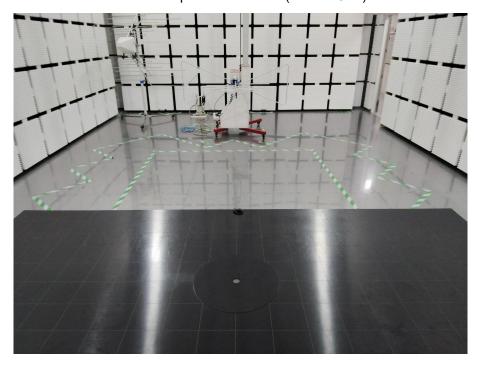
Radiated band edge emission Radiated Spurious Emission (Above 1GHz)







Radiated Spurious Emission (below 1GHz)





7. EXTERNAL AND INTERNAL PHOTOS

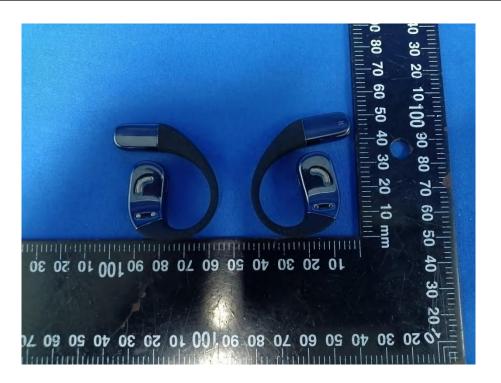
7.1. External Photos







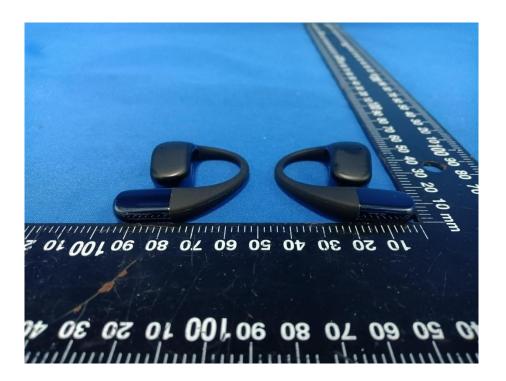


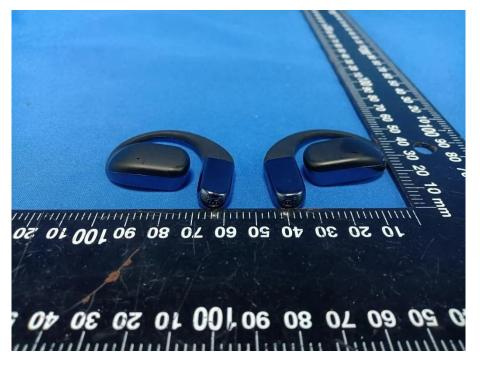




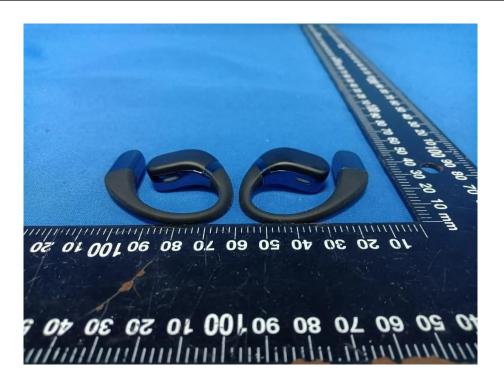














7.2. Internal Photos



