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Report Template Version: V05 Report Template Revision Date: 2021-11-03

Test Report

Report No.: Applicant: Address of Applicant:	CQASZ20240701294E-02 Ultimea Technology (Shenzhen) Limited 20th Floor, Building 4, Tianan Cloud Park, Bantian St., Longgang District, Shenzhen, China
Equipment Under Test (El	UT):
Product:	Solo B30 Pro 2.1 Channel Soundbar with Build-in Subwoofer
Model No.:	U2201, U2200
Test Model No.:	U2201
Brand Name:	ULTIMEA
FCC ID:	2A9OO-U2201S
Standards:	47 CFR Part 15, Subpart C
	KDB558074 D01 15.247 Meas Guidance v05r02
	ANSI C63.10:2013
Date of Receipt:	2024-07-03
Date of Test:	2024-07-03 to 2024-07-15
Date of Issue:	2024-07-16
Test Result:	PASS*

*In the configuration tested, the EUT complied with the standards specified above.

Tested By:	lewis zhou
	(Lewis Zhou)
Reviewed By:	Timo Loj
	(Timo Lei)
Approved By:	Alex

COA 华夏准测 *APPROVED *

(Alex Wang)

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CQA, this report can't be reproduced except in full.



1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20240701294E-02	Rev.01	Initial report	2024-07-16



2 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15, Subpart C Section 15.203/15.247 (c)	ANSI C63.10 2013	PASS
AC Power Line Conducted Emission	47 CFR Part 15, Subpart C Section 15.207	ANSI C63.10 2013	PASS
Conducted Peak Output Power	47 CFR Part 15, Subpart C Section 15.247 (b)(3)	ANSI C63.10 2013	PASS
6dB Occupied Bandwidth	47 CFR Part 15, Subpart C Section 15.247 (a)(2)	ANSI C63.10 2013	PASS
Power Spectral Density	47 CFR Part 15, Subpart C Section 15.247 (e)	ANSI C63.10 2013	PASS
Band-edge for RF Conducted Emissions	47 CFR Part 15, Subpart C Section 15.247(d)	ANSI C63.10 2013	PASS
RF Conducted Spurious Emissions	47 CFR Part 15, Subpart C Section 15.247(d)	ANSI C63.10 2013	PASS
Radiated Spurious Emissions	47 CFR Part 15, Subpart C Section 15.205/15.209	ANSI C63.10 2013	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15, Subpart C Section 15.205/15.209	ANSI C63.10 2013	PASS



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4 General Information

4.1 Client Information

Applicant:	Ultimea Technology (Shenzhen) Limited
Address of Applicant:	20th Floor, Building 4, Tianan Cloud Park, Bantian St., Longgang District, Shenzhen, China
Manufacturer:	Ultimea Technology (Shenzhen) Limited
Address of Manufacturer:	20th Floor, Building 4, Tianan Cloud Park, Bantian St., Longgang District, Shenzhen, China
Factory:	Ganzhou Dehuida Technology Co., Ltd
Address of Factory:	Dehuida Science and Technology Park, Huoyanshan Road, Anyuan District, Ganzhou City, Jiangxi Province. P.R China

4.2 General Description of EUT

Product Name:	Solo B30 Pro 2.1 Channel Soundbar with Build-in Subwoofer
Model No.:	U2201, U2200
Test Model No.:	U2201
Trade Mark:	ULTIMEA
Software Version:	V1.22
Hardware Version:	U2200_Main_PCB_Ver:D
Operation Frequency:	2402MHz~2480MHz
Bluetooth Version:	V5.0
Modulation Type:	GFSK
Transfer Rate:	1Mbps
Number of Channel:	40
Product Type:	🛛 Mobile 🗌 Portable
Test Software of EUT:	FCC_assist_1.0.2.2
Antenna Type:	PCB antenna
Antenna Gain:	1.63dBi
EUT Power Supply:	Power supply DC 22V form Adapter
	Model:SMS-01220150-S22
	Input:100-240V~50/60Hz 0.8A
	Output:22V 1.5A 33.0W
Simultaneous Transmission	☐ Simultaneous TX is supported and evaluated in this report.
	Simultaneous TX is not supported.



Operation F	requency each o	of channel					
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
2	2406MHz	12	2426MHz	22	2446MHz	32	2466MHz
3	2408MHz	13	2428MHz	23	2448MHz	33	2468MHz
4	2410MHz	14	2430MHz	24	2450MHz	34	2470MHz
5	2412MHz	15	2432MHz	25	2452MHz	35	2472MHz
6	2414MHz	16	2434MHz	26	2454MHz	36	2474MHz
7	2416MHz	17	2436MHz	27	2456MHz	37	2476MHz
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel (CH0)	2402MHz
The middle channel (CH19)	2440MHz
The highest channel (CH39)	2480MHz



4.3 Additional Instructions

EUT Test Software Settings:			
Mode:	Special software is used.		
	Through engineering command into	the engineering mode.	
	engineering command: *#*#3646633#	*#*	
EUT Power level:	Class2 (Power level is built-in set parameters and cannot be changed and selected)		
Use test software to set the lowest frequency, the middle frequency and the highest frequency keep			
transmitting of the EUT.			
Mode	Channel	Frequency(MHz)	
	CH0	2402	
GFSK	CH19	2440	
	CH39	2480	

Run Software:

Ctions BT FCC Tool V2. 24	? ×
SOLUTION ATSSES - COM COMIC 1	5200 BQB Mode
RF Channel 0 Hopp	ing Mode Normal R 🐨 fixed 📼
Packet Type BLZ_IM	Payload Type PABS9
TX Gain Index 0	RX Gain Index 0 👻
Access Code Ox AbDdE341	AGC Node
Stop Single Tone Packet TX	Packet RX Hopping TX
1结束ContinueTX測试,持续0.5秒 1开始ContinueTX測试(Chan:0 Facket:DH5 Payload:PF 1结束ContinueTX測试,持续0.5秒	BS9 TxGain: 0)
1开始ContinueTX测试(Chan. 0 Packet: DH5 Payload PF 1結束ContinueTX测试, 持续8,5秒	BS9 TxGain: 0)
1开始ContinueTX则试(Chan: 0 Packet DH5 Payload PF	BS9 TxGain:0)
15歳未ContinueIX測试(Chan: 0 Packet:DH5 Payload:PF 1結束ContinueIX測试,持续100.7秒	BS9 TxGain:0)
1开始ContinueTX测试(Chan: 0 Packet:BLE_1M Payload	L PRES9 TxGain 0)



4.4 Test Environment

Operating Environment:	Operating Environment:	
Temperature:	24.5°C	
Humidity:	59% RH	
Atmospheric Pressure:	1009mbar	
Test Mode:	Use test software to set the lowest frequency, the middle frequency and the highest frequency keep transmitting of the EUT.	

4.5 Description of Support Units

The EUT has been tested with associated equipment below.

1) Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
/	/	/	/	/
2) Cable				

Cable No.	Description	Manufacturer	Cable Type/Length	Supplied by	
/	/	/	1	1	



4.6 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate.

The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities.

The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the **Shenzhen Huaxia Testing Technology Co., Ltd.** quality system acc. to DIN EN ISO/IEC 17025.

Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

No.	Item	Uncertainty
1	Radiated Emission (Below 1GHz)	5.12dB
2	Radiated Emission (Above 1GHz)	4.60dB
3	Conducted Disturbance (0.15~30MHz)	3.34dB
4	Radio Frequency	3×10 ⁻⁸
5	Duty cycle	0.6 %
6	Occupied Bandwidth	1.1%
7	RF conducted power	0.86dB
8	RF power density	0.74
9	Conducted Spurious emissions	0.86dB
10	Temperature test	0.8°C
11	Humidity test	2.0%
12	Supply voltages	0.5 %
13	Frequency Error	5.5 Hz

Hereafter the best measurement capability for CQA laboratory is reported:



4.7 Test Location

All tests were performed at:

Shenzhen Huaxia Testing Technology Co., Ltd.

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua District, Shenzhen, China

4.8 Test Facility

• A2LA (Certificate No. 4742.01)

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4742.01.

• FCC Registration No.: 522263

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.:522263

4.9 Deviation from Standards

None.

4.10Other Information Requested by the Customer

None.



4.11Equipment List

			Instrument	Calibration	Calibration
Test Equipment	Manufacturer	Model No.	No.	Date	Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2023/09/08	2024/09/07
Spectrum analyzer	R&S	FSU26	CQA-038	2023/09/08	2024/09/07
Spectrum analyzer	R&S	FSU40	CQA-075	2023/09/08	2024/09/07
Preamplifier	MITEQ	AFS4-00010300-18- 10P-4	CQA-035	2023/09/08	2024/09/07
Preamplifier	MITEQ	AMF-6D-02001800- 29-20P	CQA-036	2023/09/08	2024/09/07
Preamplifier	EMCI	EMC184055SE	CQA-089	2023/09/08	2024/09/07
Loop antenna	Schwarzbeck	FMZB1516	CQA-060	2021/09/16	2024/09/15
Bilog Antenna	R&S	HL562	CQA-011	2021/09/16	2024/09/15
Horn Antenna	R&S	HF906	CQA-012	2021/09/16	2024/09/15
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2021/09/16	2024/09/15
Coaxial Cable (Above 1GHz)	CQA	N/A	C007	2023/09/08	2024/09/07
Coaxial Cable (Below 1GHz)	CQA	N/A	C013	2023/09/08	2024/09/07
RF					
cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2023/09/08	2024/09/07
Antenna Connector	CQA	RFC-01	CQA-080	2023/09/08	2024/09/07
Power Sensor	KEYSIGHT	U2021XA	CQA-30	2023/09/08	2024/09/07
N1918A Power Analysis Manager Power Panel	Agilent	N1918A	CQA-074	2023/09/08	2024/09/07
Power meter	R&S	NRVD	CQA-029	2023/09/08	2024/09/07
Power divider	MIDWEST	PWD-2533-02-SMA- 79	CQA-067	2023/09/08	2024/09/07
EMI Test Receiver	R&S	ESR7	CQA-005	2023/09/08	2024/09/07
LISN	R&S	ENV216	CQA-003	2023/09/08	2024/09/07
Coaxial cable	CQA	N/A	CQA-C009	2023/09/08	2024/09/07
DC power	KEYSIGHT	E3631A	CQA-028	2023/09/08	2024/09/07

Note:

The temporary antenna connector is soldered on the pcb board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.





5 Test results and Measurement Data

5.1 Antenna Requirement

Standard requirement: 47 CFR Part 15C Section 15.203 /247(c)

15.203 requirement:

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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:



The antenna is PCB antenna.

The connection/connection type between the antenna to the EUT's antenna port is: permanently attachment

This is either permanently attachment or a unique coupling that satisfies the requirement.



Test Requirement:	47 CFR Part 15C Section 15.207						
Test Method:	ANSI C63.10: 2013						
Test Frequency Range:	150kHz to 30MHz						
Limit:		Limit (dBuV)					
	Frequency range (MHz)	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 o	f the frequency.		1			
Test Procedure:	 The mains terminal distur room. 	bance voltage test was	conducted in a shie	elded			
	2) The EUT was connected to	AC power source thro	ough a LISN 1 (Line				
	Impedance Stabilization N	etwork) which provides	a 50Ω/50μH + 5Ω lir	near			
	impedance. The power cables of all other units of the EUT were						
	connected to a second LISN 2, which was bonded to the ground						
	reference plane in the sam	ie way as the LISN 1 fo	or the unit being				
	measured. A multiple socket outlet strip was used to connect mu						
	power cables to a single LISN provided the rating of the LISN wa						
	exceeded.						
	3) The tabletop EUT was placed upon a non-metallic table 0.8m above the						
	ground reference plane. And for floor-standing arrangement, the EUT was						
	placed on the horizontal gi	round reference plane,					
	4) The test was performed wi	In a vertical ground reio	erence plane. The reader of th	ar			
	of the EUT shall be 0.4 m from the vertical ground reference plane. The						
		1 was placed 0.8 m fro	e nonzontal ground	ho			
	unit under test and bonder	to a ground reference	nlane for LISNs				
	mounted on top of the grou	ind reference plane. Th	his distance was				
	between the closest points	s of the LISN 1 and the	EUT. All other units (of			
	the EUT and associated e	quipment was at least ().8 m from the LISN 2	2.			
	5) In order to find the maximu	im emission. the relativ	e positions of				
	equipment and all of the in	terface cables must be	changed according	to			
	ANSI C63.10: 2013 on cor	iducted measurement.	5 5				



Test Setup:	Shielding Room Test Receiver Test Receiver LISN1 LISN2 AC Mains
	Ground Reference Plane
Test Mode:	Through Pre-scan, find the transmitting mode at the lowest channel is the worst case.
Test Voltage:	AC 120V/60Hz
Test Results:	Pass



Measurement Data



Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:

2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

3. If the Peak value under Average limit, the Average value is not recorded in the report.



Neutral line:



Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:

2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

3. If the Peak value under Average limit, the Average value is not recorded in the report.



5.3 Conducted Peak Output Power



Measurement Data

GFSK mode (1Mbps)							
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result				
Lowest	7.95	30.00	Pass				
Middle	6.72	30.00	Pass				
Highest	7.18	30.00	Pass				







Att 40	db SWT	936 ns 👄	VBW 5 MHz	Mode Auto FF1	r		
Count 100/100							
●1Pk View							
				M1[1]		2.47990	7.18 dBm 54750 GHz
20 dBm		2					
10 dBm			м				
0 dBm							
-10 dBm		8					
							1
-20 UBIII		- C					
-30 dBm					-		
-40 dBm							
-50 dBm							
30 0011							
-60 dBm	-						
CF 2.48 GHz			8001	pts		Spar	6.0 MHz



5.4 6dB Occupy Bandwidth



Measurement Data

GFSK mode (1Mbps)								
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result					
Lowest	0.72	≥500	Pass					
Middle	0.72	≥500	Pass					
Highest	0.72	≥500	Pass					







Ref Level	30.00 dB	3m Offset 15.79 dB	RBW 100 kHz			
Count 100/	40 1	an ami 1979 ha	• VBW 300 KHZ	Mode Auto Fi	FT	
●1Pk View						
20 dBm				M1[1] M2[1]		-0.05 dBm 2.47963200 GHz 5.83 dBm 2.48000000 GHz
10 dBm-	01 0 17		MI	~		
-10 dBm	01 -0.170					
-20 dBm					Long	
-30 dBm	~~~					m
-50 dBm						
-60 dBm				0		
CF 2.48 GH	łz		1001 pt	s		Span 4.0 MHz
Marker	f Two	V-uslue 1	Y-uslug	Function	Euro	otion Docult
M1 M2	1	2.479632 GHz 2.48 GHz	-0.05 dBm 5.83 dBm	Function	Fun	
D3 M	1 1	720.0 kHz	-0.04 dB			



5.5 Power Spectral Density



Measurement Data

GFSK mode (1Mbps)								
Test channel	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result					
Lowest	-8.23	≤8.00	Pass					
Middle	-9.36	≤8.00	Pass					
Highest	-9.16	≤8.00	Pass					



Test plot as follows:









5.6 Band-edge for RF Conducted Emissions



TestMode	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
	Low	2402	6.83	-41.33	≤-13.17	PASS
BLE_1M	High	2480	5.74	-41.78	≤-14.26	PASS



Test plot as follows:





5.7 Spurious RF Conducted Emissions





Test plot as follows:













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Remark:

Pretest 9kHz to 25GHz, find the highest point when testing, so only the worst data were shown in the test report. Per FCC Part 15.33 (a) and 15.31 (o) ,The amplitude of spurious emissions from intentional radiators which are attenuated more than 20 dB below the permissible value need not be reported unless specifically required elsewhere in this part.



5.8 Radiated Spurious Emission & Restricted bands

5.8.1 Spurious Emissions									
Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205								
Test Method:	ANSI C63.10 2013								
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)								
Receiver Setup:	Frequency	Detector	RBW	'	VBW	Remark			
	0.009MHz-0.090MH	z	Peak	10kHz		30kHz	Peak		
	0.009MHz-0.090MH	z	Average	10kHz	10kHz		Average		
	0.090MHz-0.110MH	z	Quasi-peak	10kHz	z	30kHz	Quasi-peak		
	0.110MHz-0.490MH	z	Peak	10kHz	z	30kHz	Peak		
	0.110MHz-0.490MH	z	Average	10kHz	z	30kHz	Average		
	0.490MHz -30MHz		Quasi-peak	10kHz	10kHz		Quasi-peak		
	30MHz-1GHz		Quasi-peak	: 100 kH	100 kHz		Quasi-peak		
	Above 1GHz		Peak	1MHz		3MHz	Peak		
			Peak	1MHz	1MHz		Average		
Limit:	Frequency	Fie (mio	eld strength crovolt/meter)	Limit (dBuV/m)		Remark	Measurement distance (m)		
	0.009MHz-0.490MHz	2	400/F(kHz)	-		-	300		
	0.490MHz-1.705MHz	24	4000/F(kHz)	-		-	30		
	1.705MHz-30MHz		30	-	-		30		
	30MHz-88MHz		100	40.0	Quasi-peak		3		
	88MHz-216MHz		150	43.5	Quasi-peak		3		
	216MHz-960MHz	200		46.0	Quasi-peak		3		
	960MHz-1GHz		500	54.0	Quasi-peak		3		
	Above 1GHz		500	54.0		Average	3		
	Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device								

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	horizontal and vertical polarizations of the antenna are set to make the measurement.
	d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
	e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
	f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
	(2440MHz),the Highest channel (2480MHz)
	h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
	i. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with GFSK modulation. Transmitting mode.
Final Test Mode:	Through Pre-scan, find the 1Mbps of data type and GFSK modulation is the worst case.
	For below 1GHz part, through pre-scan, the worst case is the highest
	Only the worst case is recorded in the report.
Test Results:	Pass



Radiated Emission below 1GHz





30MHz~1GHz, the worst case		
Test mode:	Transmitting mode	Vertical





Transmitter Emission above 1GHz

Worse case mode:		GFSK(1Mbps)		Test channel:		Lowest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		H/V
2390	54.52	-9.2	45.32	74	-28.68	Peak	Н
2400	54.86	-9.39	45.47	74	-28.53	Peak	Н
4804	51.42	-4.33	47.09	74	-26.91	Peak	Н
7206	48.69	1.01	49.70	74	-24.30	Peak	Н
2390	54.72	-9.2	45.52	74	-28.48	Peak	V
2400	52.65	-9.39	43.26	74	-30.74	Peak	V
4804	54.26	-4.33	49.93	74	-24.07	Peak	V
7206	48.92	1.01	49.93	74	-24.07	Peak	V

Worse case mode:		GFSK(1Mbps)		Test channel:		Middle	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		H/V
4880	50.26	-4.11	46.15	74	-27.85	peak	Н
7320	48.26	1.51	49.77	74	-24.23	peak	Н
4880	52.11	-4.11	48.00	74	-26.00	peak	V
7320	50.26	1.51	51.77	74	-22.23	peak	V

Worse case mode:		GFSK(1Mbps)		Test channel:		Highest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		H/V
2483.5	55.18	-9.29	45.89	74	-28.11	Peak	Н
4960	53.09	-4.04	49.05	74	-24.95	Peak	Н
7440	49.00	1.57	50.57	74	-23.43	Peak	Н
2483.5	57.29	-9.29	48.00	74	-26.00	Peak	V
4960	52.06	-4.04	48.02	74	-25.98	Peak	V
7440	49.61	1.57	51.18	74	-22.82	Peak	V

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

2) Scan from 9kHz to 25GHz, the disturbance above 10GHz and below 30MHz was very low. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.



6 Photographs - EUT Test Setup

6.1 Radiated Spurious Emission









6.2 Conducted Emissions Test Setup





7 Photographs - EUT Constructional Details

Refer to Photographs - EUT Constructional Details OF EUT for CQASZ20240701294E-01.

*** END OF REPORT ***