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TEST REPORT

Product RTK GNSS receiver

Trade mark **EMLID**

Model/Type reference **REACH RS3**

Serial Number N/A

EED32P80561201 **Report Number**

FCC ID : 2BAYERCH205

Date of Issue : Jun. 25, 2023

Test Standards : 47 CFR Part 15 Subpart C

: PASS **Test result**

Prepared for:

Emlid Tech Kft.

Raday utca 33/A, 1st floor, 3rd door, Budapest, 1092, Hungary

Prepared by:

Centre Testing International Group Co., Ltd. Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China

> TEL: +86-755-3368 3668 FAX: +86-755-3368 3385

Compiled by:

Report Seal

Firazer. Li

Reviewed by:

Tom Chen

Frazer Li

Date:

Jun. 25, 2023

Aaron Ma

Check No.::4815210423





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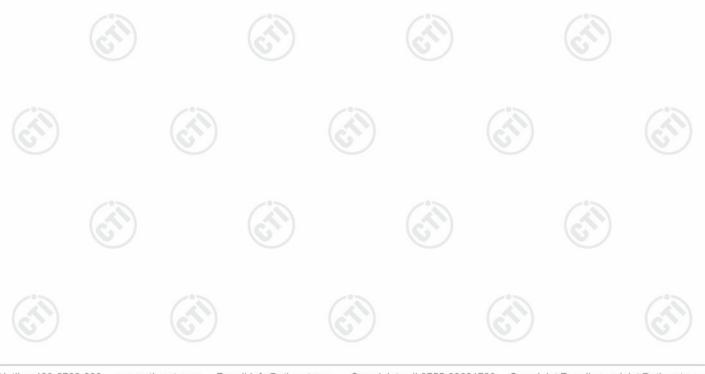
3 Test Summary

Test Item	Test Requirement	Result	
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203/15.247 (c)	PASS	
AC Power Line Conducted Emission	47 CFR Part 15 Subpart C Section 15.207	PASS	
DTS Bandwidth	47 CFR Part 15 Subpart C Section 15.247 (a)(2)	NOTE1	
Maximum Conducted Output Power	47 CFR Part 15 Subpart C Section 15.247 (b)(3)		
Maximum Power Spectral Density	47 CFR Part 15 Subpart C Section 15.247 (e)	NOTE1	
Band Edge Measurements	47 CFR Part 15 Subpart C Section 15.247(d)	NOTE1	
Conducted Spurious Emissions	47 CFR Part 15 Subpart C Section 15.247(d)	NOTE1	
Restricted bands	47 CFR Part 15 Subpart C Section 15.205/15.209	NOTE1	
Radiated Spurious Emission	47 CFR Part 15 Subpart C Section 15.205/15.209	PASS	

Remark:

NOTE1:The test data refer to the report of ISL-17LR169FCDTS (FCC ID: ZQ6-AP6212A);

Company Name and Address shown on Report, the sample(s) and sample Information were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.





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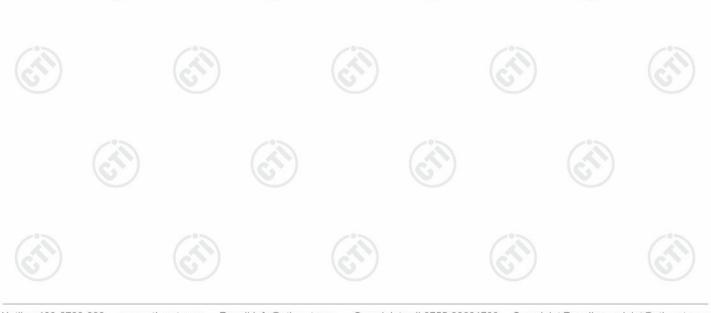
4 General Information

4.1 Client Information

Applicant:	Emlid Tech Kft
Address of Applicant:	Raday utca 33/A, 1st floor, 3rd door, Budapest,1092, Hungary
Manufacturer:	Ningbo High-tech Zone Ladder Science co., Ltd
Address of Manufacturer:	3/F, Building #1, Zone B, No.428 Dongqing Road, High-tech Zone, Ningbo City, Zhejiang Province
Factory:	Ningbo High-tech Zone Ladder Science co., Ltd
Address of Factory:	3/F, Building #1, Zone B, No.428 Dongqing Road, High-tech Zone, Ningbo City, Zhejiang Province

4.2 General Description of EUT

Product Name:	RTK GNSS	receiver				
Model No.:	REACH RS	3				
Test Model No.:	REACH RS:	3				
Trade mark:	EMLID	(2/3)	(6		(64)	
Product Type:	☐ Mobile	⊠ Portable	☐ Fix Location			
Operation Frequency:	2402MHz~2	2480MHz				
Modulation Type:	GFSK		-0-			
Transfer Rate:	⊠ 1Mbps □ 2Mbps					
Number of Channel:	40		0			
Antenna Type:	Chip Antenn	na				
Antenna Gain:	0.5dBi				120	
Power Supply:	USB port:	DC 5.0V				
	Battery:	DC 7.2V,5	200mAh,37.44Wh			
Test Voltage:	DC 5.0V					
Sample Received Date:	Apr. 21, 202	23	·->	/*>		
Sample tested Date:	Apr. 21, 202	Apr. 21, 2023 to Jun. 21, 2023				





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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

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 Test Configuration

EUT Test Software Settings:						
Software: SecureCRTPortable.exe						
EUT Power Grade:	Default (Pov selected)	Default (Power level is built-in set parameters and cannot be changed and selected)				
Use test software to transmitting of the E	set the lowest frequency UT.	, the middle freque	ncy and the highest f	frequency keep		
Test Mode	Modulation	Rate	Channel	Frequency(MHz)		
Mode a GFSK 1Mbps CH0 2402						
Mode b	GFSK	1Mbps	CH19	2440		
Mode c	GFSK	1Mbps	CH39	2480		













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4.4 Test Environment

	Operating Environment	::					
	Radiated Spurious Emi	ssions:					
193	Temperature:	22~25.0 °C	(40)		(41)		(41)
	Humidity:	50~55 % RH	0		(0)		(0)
	Atmospheric Pressure:	1010mbar					
	Conducted Emissions:						
	Temperature:	22~25.0 °C		(2)		(20)	
	Humidity:	50~55 % RH		(0,)		(0,)	
	Atmospheric Pressure:	1010mbar					
	RF Conducted:						
	Temperature:	22~25.0 °C	(3)		(1)		
(~)	Humidity:	50~55 % RH	(6,77)		(6,7)		(6.2)
	Atmospheric Pressure:	1010mbar					

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
Netbook	ASUSTek	1	FCC&CE	СТІ
Adapter	XIAOMI		FCC&CE	СТІ

4.6 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted. FCC Designation No.: CN1164



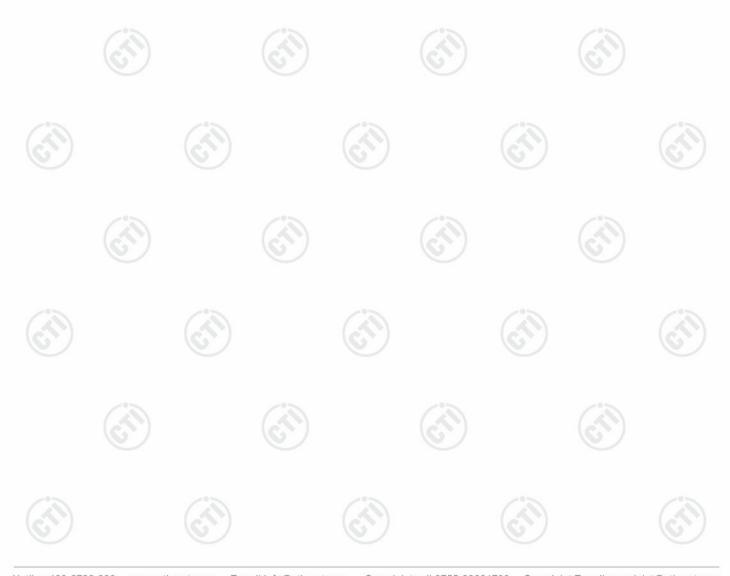




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4.7 Measurement Uncertainty (95% confidence levels, k=2)

No.	ltem	Measurement Uncertainty
1	Radio Frequency	7.9 x 10 ⁻⁸
2	DE newer conducted	0.46dB (30MHz-1GHz)
2	RF power, conducted	0.55dB (1GHz-40GHz)
	6	3.3dB (9kHz-30MHz)
2	Radiated Spurious emission test	4.3dB (30MHz-1GHz)
3		4.5dB (1GHz-18GHz)
(P)		3.4dB (18GHz-40GHz)
9/	Conduction emission	3.5dB (9kHz to 150kHz)
4	Conduction emission	3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%





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5 Equipment List

Conducted disturbance Test							
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)		
Receiver	R&S	ESCI	100435	05-06-2022 04-25-2023	05-05-2023 04-24-2024		
LISN	R&S	ENV216	100098	09-27-2022	09-26-2023		
Capacitive voltage probe	Schwarzbeck	CVP 9222C	00124	07-13-2022	07-12-2023		
ISN	TESEQ	ISN T800	30297	12-29-2022	12-28-2023		
Barometer	changchun	DYM3	1188		~**		
Temperature/ Humidity Indicator	Defu	TH128		((T)		
Test software	Fara	EZ-EMC	EMC-CON 3A1.1				

	1 2/8/1	1 22 21		7.07 . 1	1 2/8 Y
	3M Semi-an	echoic Chamber (2	2)- Radiated distur	bance Test	
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Due Date
3M Chamber & Accessory Equipment	TDK	SAC-3	(45)	05-22-2022	05-21-2025
Receiver	R&S	ESCI7	100938-003	09-28-2022	09-27-2023
Spectrum Analyzer	R&S	FSV40	101200	07-29-2022	07-28-2023
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04-15-2021	04-14-2024
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	9163-618	05-22-2022 05-21-2023	05-21-2023 05-20-2024
Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-1869	04-17-2021	04-16-2024
Horn Antenna	A.H.SYSTEMS	SAS-574	374	05-29-2021	05-28-2024
Preamplifier	Agilent	11909A	12-1	03-28-2023	03-27-2024
Preamplifier	EMCI	EMC051845SE	980380	12-23-2022	12-22-2023
Preamplifier	CD	PAP-1840-60	6041.6042	07-05-2022	07-04-2023
Cable line	Fulai(7M)	SF106	5219/6A	(1)	- (1)
Cable line	Fulai(6M)	SF106	5220/6A	<u> </u>	
Cable line	Fulai(3M)	SF106	5216/6A		
Cable line	Fulai(3M)	SF106	5217/6A	- (3)	
Test software	Fara	EZ-EMC	EMEC-3A1-Pre		













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/ ///		3/8/1		1.0	7.7
		3M full-anechoi	c Chamber		
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Fully Anechoic Chamber	TDK	FAC-3		01-09-2021	01-08-2024
Receiver	Keysight	N9038A	MY57290136	02-27-2023	02-26-2024
Spectrum Analyzer	Keysight	N9020B	MY57111112	02-21-2023	02-20-2024
Spectrum Analyzer	Keysight	N9030B	MY57140871	02-21-2023	02-20-2024
TRILOG Broadband Schwarzbeck Antenna		VULB 9163	9163-1148	04-30-2021	04-29-2024
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-17-2021	04-16-2024
Horn Antenna	ETS-LINDGREN	3117	57407	07-04-2021	07-03-2024
Preamplifier	EMCI	EMC001330	980563	03-28-2023	03-27-2024
Preamplifier	Tonscend	TAP-011858	AP21B806112	07-29-2022	07-28-2023
Preamplifier	EMCI	EMC184055SE	980597	04-13-2023	04-12-2024
Communication test set	R&S	CMW500	102898	12-23-2022	12-22-2023
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-11-2023	04-10-2024
RSE Automatic test software	JS Tonscend	JS36-RSE	10166	(6))
Cable line	Times	SFT205-NMSM-2.50M	394812-0001		
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	<u></u>	768
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	<u></u>	70.
Cable line	Times	SFT205-NMSM-2.50M	393495-0001		
Cable line	Times	EMC104-NMNM-1000	SN160710	- (3	—
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	_ @	/
Cable line	Times	SFT205-NMNM-1.50M	381964-0001		
Cable line	Times	SFT205-NMSM-7.00M	394815-0001		-(3)
Cable line	Times	HF160-KMKM-3.00M	393493-0001	<u> </u>	













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6 Test results and Measurement Data

6.1 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: Please see Internal photos

The antenna is Chip Antenna. The best case gain of the antenna is 0.5dBi.





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6.2 Conducted Emissions

6.2	Conducted Emis	ssions								
	Test Requirement:	47 CFR Part 15C Section 15	.207	(0.)						
	Test Method:	ANSI C63.10: 2013								
	Test Frequency Range:	150kHz to 30MHz								
	Receiver setup:	RBW=9 kHz, VBW=30 kHz,	Sweep time=auto							
	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 logarith	m of the frequency.							
	Test Setup:									
		AC Mains LISN1	Ground Reference Plane	Test Receiver						
		The mains terminal disturbance voltage test was conducted in a shielded								
	Test Procedure:	room. 2) The EUT was connected Impedance Stabilization I impedance. The power connected to a second LI plane in the same way multiple socket outlet strip single LISN provided the 3) The tabletop EUT was placed on the horizontal general second and the same way multiple socket outlet strip single LISN provided the	d to AC power source Network) which provide cables of all other SN 2, which was bonders the LISN 1 for the owas used to connect rating of the LISN was laced upon a non-metal and for floor-standing a	through a LISN 1 (Lines a 50Ω/50μH + 5Ω linea units of the EUT were to the ground reference unit being measured. A multiple power cables to a not exceeded. allic table 0.8m above the rrangement, the EUT was						
		4) The test was performed we the EUT shall be 0.4 me vertical ground reference reference plane. The LIS unit under test and be mounted on top of the ground associated equipments. 5) In order to find the maximand all of the interface care.	ith a vertical ground refrom the vertical group from the vertical group plane was bonded N 1 was placed 0.8 m anded to a ground reference plane. To LISN 1 and the EUT. It was at least 0.8 m from the emission, the relation of the changed stress of the changed from the property of the changed from the changed stress of the changed from the change	ference plane. The rear of und reference plane. The to the horizontal ground from the boundary of the ference plane for LISNs his distance was between All other units of the EUT me the LISN 2.						
		ANSI C63.10: 2013 on co	16.5	(6,17)						
	Test Mode:	All modes were tested, only t	he worst case mode a	was recorded in the						

report.

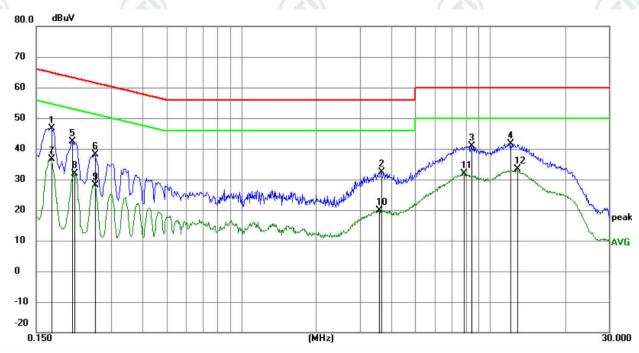


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Test Results:	Pass		
Test Results:	Pass		

Measurement Data

Live line:



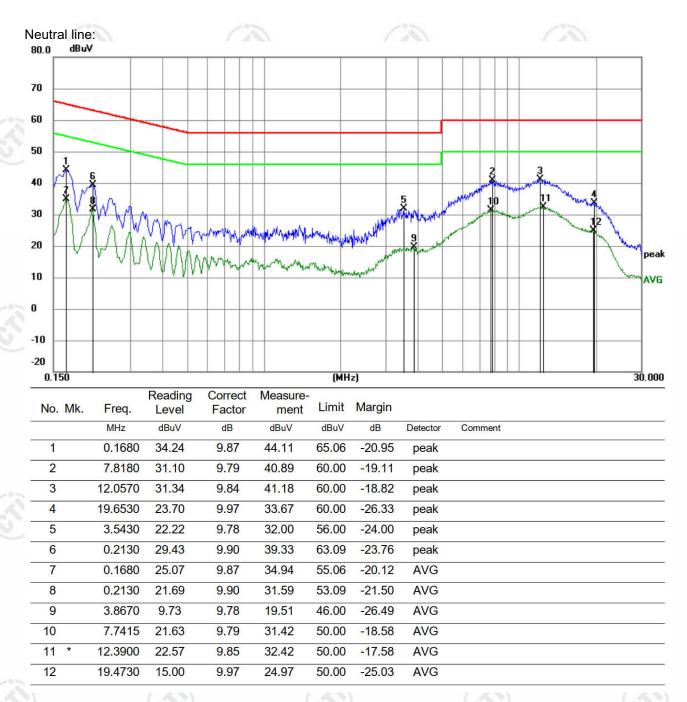
No	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1725	36.86	9.87	46.73	64.84	-18.11	peak	
2		3.6510	22.48	9.78	32.26	56.00	-23.74	peak	
3		8.3850	31.20	9.79	40.99	60.00	-19.01	peak	
4		12.1020	31.82	9.84	41.66	60.00	-18.34	peak	
5		0.2085	32.42	9.89	42.31	63.26	-20.95	peak	
6		0.2580	28.07	9.99	38.06	61.50	-23.44	peak	
7		0.1725	26.75	9.87	36.62	54.84	-18.22	AVG	
8		0.2130	21.90	9.90	31.80	53.09	-21.29	AVG	
9		0.2580	18.23	9.99	28.22	51.50	-23.28	AVG	
10		3.5700	10.09	9.78	19.87	46.00	-26.13	AVG	
11		7.8360	22.17	9.79	31.96	50.00	-18.04	AVG	
12	*	12.8490	23.45	9.87	33.32	50.00	-16.68	AVG	

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.







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.









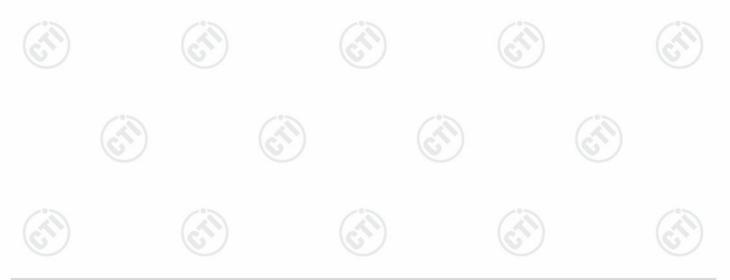




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6.3 Radiated Spurious Emission

•••	radiated opai	iodo Elimoolon								
	Test Requirement:	47 CFR Part 15C Secti	on 1	5.209 and 15	.205		6			
	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	0.009MHz-0.090MHz			_	30kHz	Peak		
		0.009MHz-0.090MH	Average	10kHz	_	30kHz	Average			
		0.090MHz-0.110MH	z	Quasi-peak	10kHz	<u>z</u>	30kHz	Quasi-peak		
		0.110MHz-0.490MH	z	Peak	10kHz	<u>z</u>	30kHz	Peak		
		0.110MHz-0.490MH	z	Average	10kHz	<u>z</u>	30kHz	Average		
		0.490MHz -30MHz		Quasi-peak	10kHz	<u>z</u>	30kHz	Quasi-peak		
		30MHz-1GHz		Quasi-peak	100 kH			Quasi-peak		
		AL 4015	Peak	1MHz	3MHz		Peak			
		Above 1GHz	Peak	1MHz		10kHz	Average			
	Limit:	Frequency	Frequency Field st (microvo		Limit (dBuV/m)	F	Remark	Measureme distance (n		
		0.009MHz-0.490MHz	2	400/F(kHz)	-	-/1>		300		
		0.490MHz-1.705MHz	24	1000/F(kHz)	-		(A)	30		
		1.705MHz-30MHz		30	-	-		30		
		30MHz-88MHz		100	40.0	Qu	ıasi-peak	3		
		88MHz-216MHz		150	43.5	Qu	ıasi-peak	3		
		216MHz-960MHz	6	200	46.0	Qu	ıasi-peak	3		
		960MHz-1GHz		500	54.0	Qu	ıasi-peak	3		
		Above 1GHz		500	54.0	Α	Average	3		
		frequency emissions is	Note: 15.35(b), Unle frequency emissions is 200 limit applicable to the equip			perr	mitted ave	erage emissio		





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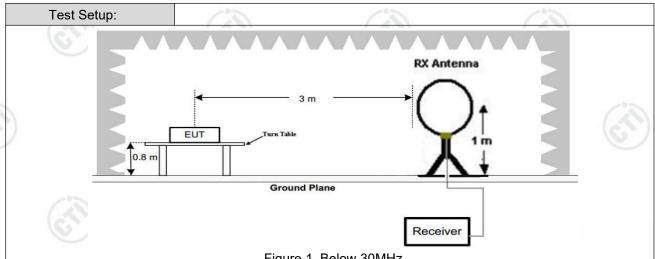
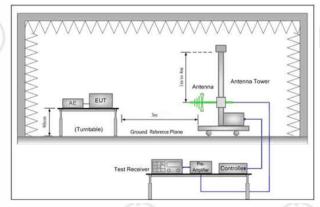


Figure 1. Below 30MHz



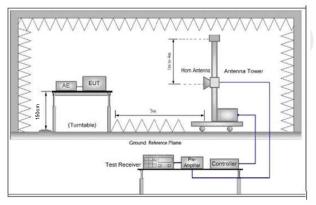


Figure 2. 30MHz to 1GHz

Figure 3. Above 1 GHz

Test Procedure:

- a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
 - 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.

Note: For the radiated emission test above 1GHz:

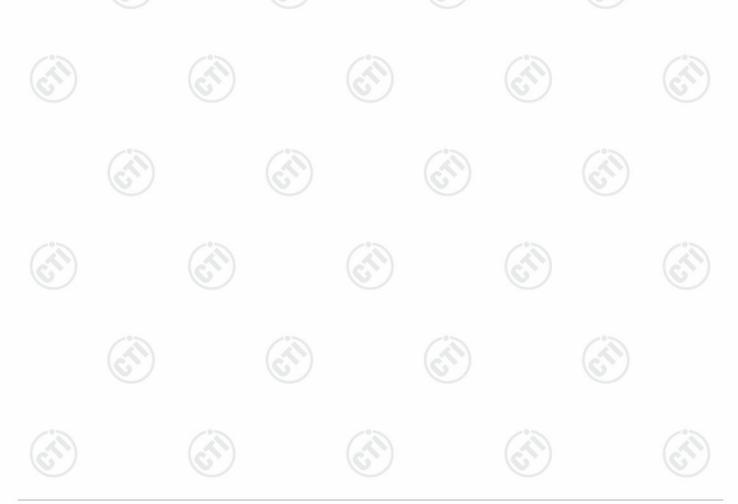
Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both





Test Results:	Pass
Test Mode:	Refer to clause 5.3
	i. Repeat above procedures until all frequencies measured was complete.
	h. The radiation measurements are performed in X, Y, Z axis positionin for Transmitting mode, and found the X axis positioning which it is th worst case.
	g. Test the EUT in the lowest channel (2402MHz),the middle channel (2440MHz),the Highest channel (2480MHz)
	f. If the emission level of the EUT in peak mode was 10dB lower than th limit specified, then testing could be stopped and the peak values of th EUT would be reported. Otherwise the emissions that did not have 10dl margin would be re-tested one by one using peak, quasi-peak of average method as specified and then reported in a data sheet.
	e. The test-receiver system was set to Peak Detect Function and Specifie Bandwidth with Maximum Hold Mode.
	d. For each suspected emission, the EUT was arranged to its worst cas 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 meter) and the rotatable table was turned from 0 degrees to 36 degrees to find the maximum reading.
	horizontal and vertical polarizations of the antenna are set to make th measurement.





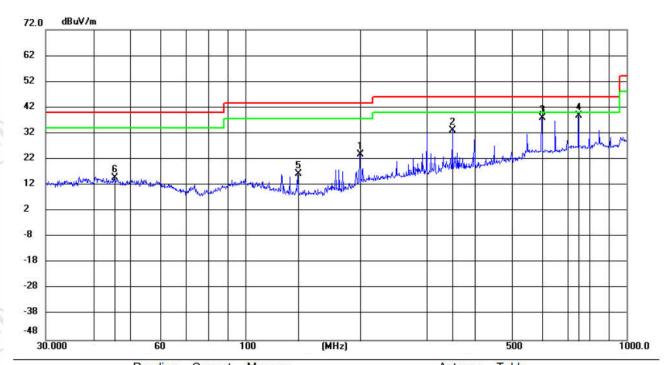
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Radiated Spurious Emission below 1GHz:

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case mode a was recorded in the report.

Horizontal:

Test Graph



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		200.0205	10.04	13.78	23.82	43.50	-19.68	peak	100	120	
2		350.0469	14.69	18.32	33.01	46.00	-12.99	peak	100	38	
3		600.0571	14.03	24.03	38.06	46.00	-7.94	peak	100	7	
4	*	750.1082	13.31	25.57	38.88	46.00	-7.12	peak	199	112	
5		137.4924	7.05	9.26	16.31	43.50	-27.19	peak	199	352	
6		45.4869	0.51	14.39	14.90	40.00	-25.10	peak	199	6	



















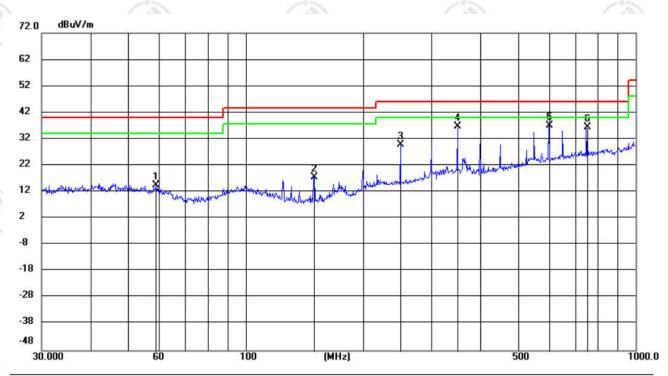






Vertical:

Test Graph



No	. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
19		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		58.8494	0.96	13.65	14.61	40.00	-25.39	peak	200	142	-
- 2	2	149.9845	7.34	10.08	17.42	43.50	-26.08	peak	100	279	
3	3	250.0380	14.34	15.52	29.86	46.00	-16.14	peak	200	360	
		350.0469	18.29	18.32	36.61	46.00	-9.39	peak	100	352	
5	· *	600.0573	13.10	24.03	37.13	46.00	-8.87	peak	100	310	
- 6	6	750.1083	10.82	25.57	36.39	46.00	-9.61	peak	100	352	-

























Radiated Spurious Emission above 1GHz:

Мо	de:		BLE GFSK Tra	nsmitting	Channel:	Channel:		2	
NC	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1189.619	0.81	38.53	39.34	74.00	34.66	Pass	Н	PK
2	1667.4667	2.73	38.04	40.77	74.00	33.23	Pass	Н	PK
3	3678.0452	-20.02	62.94	42.92	74.00	31.08	Pass	Н	PK
4	4896.1264	-16.20	52.60	36.40	74.00	37.60	Pass	Н	PK
5	7356.2904	-11.58	49.92	38.34	74.00	35.66	Pass	Н	PK
6	10702.5135	-6.46	47.38	40.92	74.00	33.08	Pass	Н	PK
7	1201.6202	0.80	38.97	39.77	74.00	34.23	Pass	V	PK
8	1591.4591	2.22	39.54	41.76	74.00	32.24	Pass	V	PK
9	3678.0452	-20.02	62.68	42.66	74.00	31.34	Pass	V	PK
10	4988.1325	-15.87	53.85	37.98	74.00	36.02	Pass	V	PK
11	5760.184	-13.71	51.77	38.06	74.00	35.94	Pass	V	PK
12	7356.2904	-11.58	50.82	39.24	74.00	34.76	Pass	V	PK

Мо	de:		BLE GFSK Trai	Channel:		2440 MHz			
NC	Freq. [MHz]	Factor	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1239.2239	0.90	38.95	39.85	74.00	34.15	Pass	Н	PK
2	1895.4895	4.00	37.59	41.59	74.00	32.41	Pass	Н	PK
3	3678.0452	-20.02	62.78	42.76	74.00	31.24	Pass	Н	PK
4	4896.1264	-16.20	51.77	35.57	74.00	38.43	Pass	Н	PK
5	7356.2904	-11.58	50.71	39.13	74.00	34.87	Pass	Н	PK
6	10872.5248	-6.34	48.51	42.17	74.00	31.83	Pass	Н	PK
7	1275.2275	1.00	38.95	39.95	74.00	34.05	Pass	V	PK
8	2062.9063	4.76	39.44	44.20	74.00	29.80	Pass	V	PK
9	3678.0452	-20.02	61.99	41.97	74.00	32.03	Pass	V	PK
10	4896.1264	-16.20	53.23	37.03	74.00	36.97	Pass	V	PK
11	5760.184	-13.71	51.61	37.90	74.00	36.10	Pass	V	PK
12	7191.2794	-11.82	53.28	41.46	74.00	32.54	Pass	V	PK













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_		20%		70%			70%			
	Mode	:		BLE GFSK Trai	nsmitting		Channel:		2480 MHz	<u>z</u>
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1228.8229	0.88	39.45	40.33	74.00	33.67	Pass	Н	PK
1	2	1883.6884	3.91	37.93	41.84	74.00	32.16	Pass	Н	PK
	3	3678.0452	-20.02	62.88	42.86	74.00	31.14	Pass	Н	PK
	4	4896.1264	-16.20	51.45	35.25	74.00	38.75	Pass	Н	PK
	5	7356.2904	-11.58	50.30	38.72	74.00	35.28	Pass	Н	PK
	6	10269.4846	-6.66	49.03	42.37	74.00	31.63	Pass	Н	PK
	7	1237.8238	0.90	38.56	39.46	74.00	34.54	Pass	V	PK
	8	1841.0841	3.59	37.64	41.23	74.00	32.77	Pass	V	PK
	9	3678.0452	-20.02	62.69	42.67	74.00	31.33	Pass	V	PK
	10	4080.072	-18.33	54.22	35.89	74.00	38.11	Pass	V	PK
ſ	11	5760.184	-13.71	51.79	38.08	74.00	35.92	Pass	V	PK
6	12	7356.2904	-11.58	51.09	39.51	74.00	34.49	Pass	V	PK

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.







7 PHOTOGRAPHS OF TEST SETUP

Refer to Report No.EED32P80561201 Appendix: Photographs of test setup.

8 PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No.EED32P80561201 Appendix: External photo and EED32P80561201 Appendix: Internal photo .

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