

Test Report

Applicant: Radiolink Electronic Limited

Address of Applicant: 3/F, BLD2, KaiFeng Road 28#, ShangMeiLinFutian, ShenZhen, Guangdong, China

Manufacturer: Radiolink Electronic Limited

Address of Manufacturer: 3/F, BLD2, KaiFeng Road 28#, ShangMeiLinFutian, ShenZhen, Guangdong, China

Equipment Under Test (EUT)

Product Name: Receiver

Model No.: R8EF, R8FM, R6FG, R6F, R7FG, R8F, R4FGM

Applicable standards: FCC CFR Title 47 Part 15 Subpart B

Date of sample receipt: December 30, 2019

Date of Test: December 31, 2019-January 10, 2020

Date of report issued: January 10, 2020

Test Result : PASS *

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

Authorized Signature:



Robinson Lo

Laboratory Manager

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2 Version

Version No.	Date	Description
00	January 10, 2020	Original

Prepared By:



Date:

January 10, 2020

Project Engineer

Check By:


Reviewer

Date:

January 10, 2020

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4 Test Summary

Test Item	Test Requirement	Test Method	Class / Severity	Result
Conducted Emission	FCC Part15.107	ANSI C63.4	Class B	N/A
Radiated Emissions #	FCC Part15.109 &15.31	ANSI C63.4	Class B	PASS

Remarks:

1. Pass: The EUT complies with the essential requirements in the standard.
2. # Refer to FCC Part 15.33 (b)(1) conditional testing procedure :

The highest frequency generated or used in the EUT	Test frequency range of Radiated emission
<108MHz	30MHz ~ 1GHz
108MHz ~ 500MHz	30MHz ~ 2GHz
500MHz ~ 1GHz	30MHz ~ 5GHz
>1GHz	30MHz ~ 5th harmonic of the highest frequency or 40 GHz, whichever is lower.

Note: the EUT Internal clock frequency above 108MHz.

Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes
Radiated Emission	30MHz-200MHz	3.8039dB	(1)
Radiated Emission	200MHz-1GHz	3.9679dB	(1)
Radiated Emission	1GHz-18GHz	4.29dB	(1)
AC Power Line Conducted Emission	0.15MHz ~ 30MHz	3.44dB	(1)

Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

5 General Information

5.1 General Description of EUT

Product Name:	Receiver
Model No.:	R8EF, R8FM, R6FG, R6F, R7FG, R8F, R4FGM
Remark: All above models are identical in the same PCB layout, interior structure and electrical circuits. The differences are color and model name for commercial purpose.	
Test sample(s) ID:	GTS201912000284-1
Sample(s) Status:	Normal sample
Power Supply:	DC 4.6-10V R8FM:DC 4.8V-6V

5.2 Test mode and Test voltage

Test mode:	
Charge mode	Keep the EUT in charge status.
Test voltage	
DC 4.6V	

5.3 Description of Support Units

Manufacturer	Description	Model	Serial Number
MEILI	DC POWER SUPPLY	MCH-305A	011121168

5.4 Deviation from Standards

None.

5.5 Abnormalities from Standard Conditions

None.

5.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations: • FCC —Registration No.: 381383 Global United Technology Services 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 files. Registration 381383. • IC —Registration No.: 9079A The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A • NVLAP (LAB CODE:600179-0) Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). LAB CODE:600179-0

5.7 Test Location

The test was performed at:
Global United Technology Services Co., Ltd. Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102 Tel: 0755-27798480 Fax: 0755-27798960

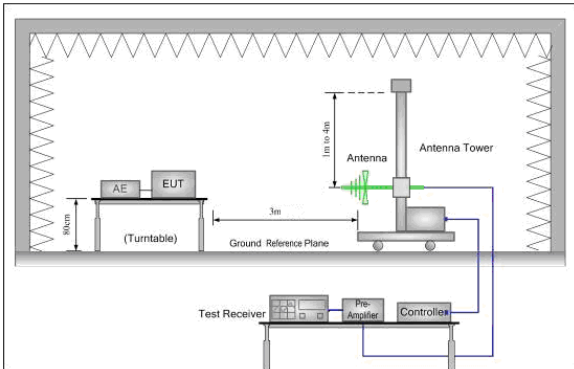
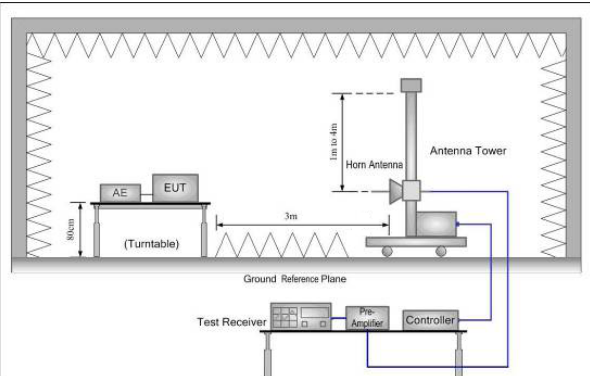
6 Test Instruments list

Radiated Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventor y No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	July. 03 2015	July. 02 2020
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June. 26 2019	June. 25 2020
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June. 26 2019	June. 25 2020
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	June. 26 2019	June. 25 2020
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	June. 26 2019	June. 25 2020
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
8	Coaxial Cable	GTS	N/A	GTS213	June. 26 2019	June. 25 2020
9	Coaxial Cable	GTS	N/A	GTS211	June. 26 2019	June. 25 2020
10	Coaxial cable	GTS	N/A	GTS210	June. 26 2019	June. 25 2020
11	Coaxial Cable	GTS	N/A	GTS212	June. 26 2019	June. 25 2020
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June. 26 2019	June. 25 2020
13	Amplifier(2GHz-20GHz)	HP	84722A	GTS206	June. 26 2019	June. 25 2020
14	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June. 26 2019	June. 25 2020
15	Band filter	Amindeon	82346	GTS219	June. 26 2019	June. 25 2020
16	Power Meter	Anritsu	ML2495A	GTS540	June. 26 2019	June. 25 2020
17	Power Sensor	Anritsu	MA2411B	GTS541	June. 26 2019	June. 25 2020
18	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	June. 26 2019	June. 25 2020
19	Splitter	Agilent	11636B	GTS237	June. 26 2019	June. 25 2020
20	Loop Antenna	ZHINAN	ZN30900A	GTS534	June. 26 2019	June. 25 2020
21	Breitband hornantenne	SCHWARZBECK	BBHA 9170	GTS579	Oct. 19 2019	Oct. 18 2020
22	Amplifier	TDK	PA-02-02	GTS574	Oct. 19 2019	Oct. 18 2020
23	Amplifier	TDK	PA-02-03	GTS576	Oct. 19 2019	Oct. 18 2020
24	PSA Series Spectrum Analyzer	Rohde & Schwarz	FSP	GTS578	June. 26 2019	June. 25 2020

General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Humidity/ Temperature Indicator	KTJ	TA328	GTS243	June. 26 2019	June. 25 2020
2	Barometer	ChangChun	DYM3	GTS255	June. 26 2019	June. 25 2020

7 Test Results and Measurement Data

7.1 Radiated Emission

Test Requirement:	FCC Part15 B Section 15.109				
Test Method:	ANSI C63.4:2014				
Test Frequency Range:	30MHz to 25GHz				
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
Limit:		Peak	1MHz	10Hz	Average Value
	Frequency		Limit (dBuV/m @3m)		Remark
	30MHz-88MHz		40.00		Quasi-peak Value
	88MHz-216MHz		43.50		Quasi-peak Value
	216MHz-960MHz		46.00		Quasi-peak Value
	960MHz-1GHz		54.00		Quasi-peak Value
Above 1GHz	54.00		Average Value		
	74.00		Peak Value		
Test setup:	For radiated emissions from 30MHz to1GHz				
					
Test setup:	For radiated emissions above 1GHz				
					
Test environment:	Temp.:	25 °C	Humid.:	52%	Press.: 1 012mbar

Test Instruments:	Refer to section 6 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data

Below 1GHz

Model No.: R8EF

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarity
30.96	47.77	11.22	0.56	35.07	24.48	40.00	-15.52	Vertical
36.00	43.60	11.52	0.62	35.42	20.32	40.00	-19.68	Vertical
48.33	37.88	12.29	0.75	36.10	14.82	40.00	-25.18	Vertical
98.83	35.14	12.06	1.18	36.71	11.67	43.50	-31.83	Vertical
167.82	41.25	8.46	1.67	37.18	14.20	43.50	-29.30	Vertical
216.02	39.75	11.02	1.93	37.35	15.35	46.00	-30.65	Vertical
36.77	39.26	11.64	0.63	35.47	16.06	40.00	-23.94	Horizontal
42.30	38.77	12.23	0.69	35.79	15.90	40.00	-24.10	Horizontal
48.67	37.52	12.29	0.76	36.12	14.45	40.00	-25.55	Horizontal
96.10	35.39	11.65	1.16	36.69	11.51	43.50	-31.99	Horizontal
449.56	33.60	16.36	3.08	37.51	15.53	46.00	-30.47	Horizontal
813.11	33.86	21.54	4.51	37.62	22.29	46.00	-23.71	Horizontal

Model No.: F4FGM

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarity
30.85	48.98	11.22	0.56	35.06	25.70	40.00	-14.30	Vertical
36.51	41.91	11.61	0.62	35.45	18.69	40.00	-21.31	Vertical
47.99	38.22	12.28	0.75	36.09	15.16	40.00	-24.84	Vertical
101.64	35.08	11.99	1.21	36.73	11.55	43.50	-31.95	Vertical
168.41	37.82	8.47	1.68	37.18	10.79	43.50	-32.71	Vertical
226.89	36.03	11.38	2.00	37.36	12.05	46.00	-33.95	Vertical
36.51	40.29	11.61	0.62	35.45	17.07	40.00	-22.93	Horizontal
41.42	38.43	12.22	0.68	35.75	15.58	40.00	-24.42	Horizontal
48.50	38.30	12.29	0.76	36.11	15.24	40.00	-24.76	Horizontal
97.46	36.45	11.86	1.17	36.70	12.78	43.50	-30.72	Horizontal
423.54	34.63	15.83	2.96	37.52	15.90	46.00	-30.10	Horizontal
848.06	35.39	21.85	4.65	37.61	24.28	46.00	-21.72	Horizontal

Model No.: R6FG

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarity
31.18	49.01	11.22	0.56	35.09	25.70	40.00	-14.30	Vertical
36.25	43.22	11.55	0.62	35.44	19.95	40.00	-20.05	Vertical
48.16	38.31	12.28	0.75	36.09	15.25	40.00	-24.75	Vertical
100.58	35.25	12.10	1.19	36.73	11.81	43.50	-31.69	Vertical
175.65	36.52	8.73	1.72	37.22	9.75	43.50	-33.75	Vertical
252.95	34.83	12.25	2.14	37.38	11.84	46.00	-34.16	Vertical
34.76	38.95	11.30	0.61	35.34	15.52	40.00	-24.48	Horizontal
40.42	39.82	12.21	0.66	35.69	17.00	40.00	-23.00	Horizontal
46.83	38.09	12.27	0.74	36.03	15.07	40.00	-24.93	Horizontal
95.43	35.98	11.52	1.16	36.68	11.98	43.50	-31.52	Horizontal
435.59	34.69	16.08	3.03	37.52	16.28	46.00	-29.72	Horizontal
793.40	35.08	21.28	4.43	37.62	23.17	46.00	-22.83	Horizontal

Model No.: R6F

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarity
30.64	48.47	11.22	0.56	35.05	25.20	40.00	-14.80	Vertical
35.13	43.96	11.33	0.61	35.36	20.54	40.00	-19.46	Vertical
46.83	39.83	12.27	0.74	36.03	16.81	40.00	-23.19	Vertical
99.53	35.05	12.13	1.19	36.72	11.65	43.50	-31.85	Vertical
170.20	35.93	8.50	1.69	37.19	8.93	43.50	-34.57	Vertical
231.72	36.27	11.56	2.02	37.36	12.49	46.00	-33.51	Vertical
35.75	39.32	11.46	0.62	35.41	15.99	40.00	-24.01	Horizontal
41.42	38.43	12.22	0.68	35.75	15.58	40.00	-24.42	Horizontal
47.83	38.84	12.28	0.75	36.08	15.79	40.00	-24.21	Horizontal
97.80	35.52	11.93	1.17	36.70	11.92	43.50	-31.58	Horizontal
431.03	34.95	15.99	3.00	37.52	16.42	46.00	-29.58	Horizontal
824.60	34.72	21.64	4.55	37.61	23.30	46.00	-22.70	Horizontal

Model No.: R7FG

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarity
31.07	48.37	11.22	0.56	35.08	25.07	40.00	-14.93	Vertical
35.75	43.15	11.46	0.62	35.41	19.82	40.00	-20.18	Vertical
47.49	39.05	12.28	0.74	36.06	16.01	40.00	-23.99	Vertical
95.43	34.53	11.52	1.16	36.68	10.53	43.50	-32.97	Vertical
172.60	35.64	8.60	1.70	37.20	8.74	43.50	-34.76	Vertical
239.15	36.19	11.82	2.06	37.37	12.70	46.00	-33.30	Vertical
35.62	39.81	11.42	0.62	35.40	16.45	40.00	-23.55	Horizontal
40.99	38.74	12.21	0.67	35.72	15.90	40.00	-24.10	Horizontal
47.49	38.21	12.28	0.74	36.06	15.17	40.00	-24.83	Horizontal
94.10	35.90	11.31	1.14	36.67	11.68	43.50	-31.82	Horizontal
449.56	35.60	16.36	3.08	37.51	17.53	46.00	-28.47	Horizontal
807.43	34.33	21.47	4.49	37.62	22.67	46.00	-23.33	Horizontal

Model No.: R8F

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarity
30.42	47.40	11.21	0.56	35.03	24.14	40.00	-15.86	Vertical
35.62	42.43	11.42	0.62	35.40	19.07	40.00	-20.93	Vertical
47.49	39.05	12.28	0.74	36.06	16.01	40.00	-23.99	Vertical
98.49	36.61	12.00	1.18	36.71	13.08	43.50	-30.42	Vertical
178.76	35.36	8.87	1.73	37.23	8.73	43.50	-34.77	Vertical
245.95	35.80	12.04	2.10	37.38	12.56	46.00	-33.44	Vertical
35.38	39.77	11.39	0.61	35.38	16.39	40.00	-23.61	Horizontal
42.01	39.64	12.22	0.69	35.78	16.77	40.00	-23.23	Horizontal
47.33	38.90	12.28	0.74	36.05	15.87	40.00	-24.13	Horizontal
93.77	34.07	11.25	1.14	36.67	9.79	43.50	-33.71	Horizontal
443.29	34.03	16.24	3.06	37.52	15.81	46.00	-30.19	Horizontal
842.13	35.46	21.78	4.63	37.61	24.26	46.00	-21.74	Horizontal

Model No.: R8FM

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarity
44.43	37.08	12.25	0.71	35.91	14.13	40.00	-25.87	Vertical
88.96	37.00	10.32	1.10	36.63	11.79	43.50	-31.71	Vertical
193.77	35.65	10.08	1.81	37.30	10.24	43.50	-33.26	Vertical
281.01	35.96	13.09	2.27	37.41	13.91	46.00	-32.09	Vertical
530.10	34.90	18.01	3.44	37.52	18.83	46.00	-27.17	Vertical
645.12	34.48	19.55	3.89	37.58	20.34	46.00	-25.66	Vertical
35.62	39.81	11.42	0.62	35.40	16.45	40.00	-23.55	Horizontal
48.84	37.83	12.29	0.76	36.13	14.75	40.00	-25.25	Horizontal
91.82	36.44	10.97	1.12	36.65	11.88	43.50	-31.62	Horizontal
197.89	34.96	10.31	1.83	37.32	9.78	43.50	-33.72	Horizontal
475.50	34.95	16.85	3.21	37.51	17.50	46.00	-28.50	Horizontal
642.86	35.01	19.54	3.88	37.58	20.85	46.00	-25.15	Horizontal

Above 1GHz
Model No.: R8EF

Peak measurement

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarity
1459.00	37.27	25.24	2.26	36.14	28.63	74.00	-45.37	Vertical
4825.00	33.19	31.24	4.63	37.74	31.32	74.00	-42.68	Vertical
7902.00	28.41	37.29	6.75	35.43	37.02	74.00	-36.98	Vertical
9925.00	30.06	38.30	8.09	35.14	41.31	74.00	-32.69	Vertical
13172.00	28.21	39.32	9.12	36.78	39.87	74.00	-34.13	Vertical
17099.00	27.89	40.22	11.26	36.29	43.08	74.00	-30.92	Vertical
2105.00	36.30	26.47	2.62	36.60	28.79	74.00	-45.21	Horizontal
5250.00	31.70	31.60	5.03	37.42	30.91	74.00	-43.09	Horizontal
7902.00	28.41	37.29	6.75	35.43	37.02	74.00	-36.98	Horizontal
10945.00	30.77	39.29	8.51	36.33	42.24	74.00	-31.76	Horizontal
13852.00	28.39	41.06	9.53	36.72	42.26	74.00	-31.74	Horizontal
17507.00	28.57	42.30	11.61	36.25	46.23	74.00	-27.77	Horizontal

Model No.: F4FGM

Peak measurement

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarity
1765.00	36.71	25.76	2.45	36.36	28.56	74.00	-45.44	Vertical
4706.00	33.46	31.05	4.56	37.69	31.38	74.00	-42.62	Vertical
7834.00	29.80	37.21	6.76	35.45	38.32	74.00	-35.68	Vertical
10350.00	29.54	38.96	8.27	35.64	41.13	74.00	-32.87	Vertical
13274.00	28.50	39.68	9.18	36.77	40.59	74.00	-33.41	Vertical
16691.00	27.46	39.46	11.10	36.04	41.98	74.00	-32.02	Vertical
2377.00	37.94	27.35	2.89	36.84	31.34	74.00	-42.66	Horizontal
5165.00	31.82	31.57	4.96	37.56	30.79	74.00	-43.21	Horizontal
7120.00	29.37	35.97	6.38	35.66	36.06	74.00	-37.94	Horizontal
9806.00	28.98	38.17	8.05	35.07	40.13	74.00	-33.87	Horizontal
13682.00	28.70	40.72	9.43	36.73	42.12	74.00	-31.88	Horizontal
16232.00	28.17	38.26	11.00	35.61	41.82	74.00	-32.18	Horizontal

Model No.: R6FG

Peak measurement

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarity
1714.00	36.52	25.67	2.42	36.32	28.29	74.00	-45.71	Vertical
4604.00	32.47	30.87	4.51	37.65	30.20	74.00	-43.80	Vertical
7681.00	28.52	37.02	6.79	35.49	36.84	74.00	-37.16	Vertical
10282.00	29.58	38.82	8.24	35.53	41.11	74.00	-32.89	Vertical
12815.00	27.60	38.70	9.01	36.69	38.62	74.00	-35.38	Vertical
16997.00	27.44	39.70	11.17	36.30	42.01	74.00	-31.99	Vertical
2326.00	36.79	27.18	2.83	36.80	30.00	74.00	-44.00	Horizontal
5335.00	31.99	31.63	5.10	37.31	31.41	74.00	-42.59	Horizontal
7664.00	29.02	37.02	6.80	35.49	37.35	74.00	-36.65	Horizontal
10248.00	29.03	38.78	8.22	35.49	40.54	74.00	-33.46	Horizontal
13325.00	28.94	39.81	9.21	36.77	41.19	74.00	-32.81	Horizontal
16436.00	27.66	39.13	11.05	35.83	42.01	74.00	-31.99	Horizontal

Model No.: R6F

Peak measurement

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarity
1476.00	37.23	25.27	2.27	36.15	28.62	74.00	-45.38	Vertical
4468.00	33.35	30.66	4.40	37.60	30.81	74.00	-43.19	Vertical
7732.00	29.57	37.10	6.78	35.47	37.98	74.00	-36.02	Vertical
9942.00	30.95	38.33	8.10	35.16	42.22	74.00	-31.78	Vertical
13155.00	28.09	39.32	9.11	36.78	39.74	74.00	-34.26	Vertical
16793.00	27.38	39.54	11.13	36.13	41.92	74.00	-32.08	Vertical
2139.00	37.11	26.58	2.64	36.63	29.70	74.00	-44.30	Horizontal
5267.00	31.81	31.61	5.04	37.40	31.06	74.00	-42.94	Horizontal
7460.00	29.20	36.71	6.79	35.56	37.14	74.00	-36.86	Horizontal
10418.00	29.02	39.06	8.29	35.71	40.66	74.00	-33.34	Horizontal
13614.00	27.47	40.55	9.39	36.74	40.67	74.00	-33.33	Horizontal
17116.00	28.56	40.48	11.27	36.28	44.03	74.00	-29.97	Horizontal

Model No.: R7FG

Peak measurement

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarity
1612.00	37.55	25.50	2.34	36.25	29.14	74.00	-44.86	Vertical
4519.00	33.66	30.74	4.44	37.62	31.22	74.00	-42.78	Vertical
7868.00	29.73	37.26	6.76	35.43	38.32	74.00	-35.68	Vertical
10180.00	29.45	38.68	8.20	35.42	40.91	74.00	-33.09	Vertical
13036.00	28.86	38.82	9.04	36.80	39.92	74.00	-34.08	Vertical
16929.00	27.49	39.66	11.16	36.26	42.05	74.00	-31.95	Vertical
2275.00	36.07	27.01	2.77	36.75	29.10	74.00	-44.90	Horizontal
4808.00	33.16	31.20	4.61	37.73	31.24	74.00	-42.76	Horizontal
7341.00	29.72	36.48	6.65	35.59	37.26	74.00	-36.74	Horizontal
9925.00	30.06	38.30	8.09	35.14	41.31	74.00	-32.69	Horizontal
13444.00	29.38	40.18	9.28	36.75	42.09	74.00	-31.91	Horizontal
16538.00	26.95	39.34	11.07	35.91	41.45	74.00	-32.55	Horizontal

Model No.: R8F

Peak measurement

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarity
1629.00	36.91	25.53	2.36	36.26	28.54	74.00	-45.46	Vertical
4689.00	32.47	31.02	4.55	37.69	30.35	74.00	-43.65	Vertical
8497.00	28.63	37.30	7.12	34.94	38.11	74.00	-35.89	Vertical
10180.00	29.45	38.68	8.20	35.42	40.91	74.00	-33.09	Vertical
13036.00	28.86	38.82	9.04	36.80	39.92	74.00	-34.08	Vertical
16606.00	26.93	39.38	11.08	35.96	41.43	74.00	-32.57	Vertical
1969.00	36.84	26.05	2.53	36.48	28.94	74.00	-45.06	Horizontal
4995.00	33.22	31.48	4.83	37.79	31.74	74.00	-42.26	Horizontal
7528.00	30.17	36.83	6.82	35.54	38.28	74.00	-35.72	Horizontal
10622.00	29.09	39.22	8.38	35.96	40.73	74.00	-33.27	Horizontal
13546.00	28.29	40.47	9.35	36.74	41.37	74.00	-32.63	Horizontal
16657.00	28.35	39.42	11.10	36.00	42.87	74.00	-31.13	Horizontal

Model No.: R8FM

Peak measurement

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarity
1645.00	35.48	25.76	5.18	36.27	30.15	74.00	-43.85	Vertical
2635.00	34.99	27.94	6.67	37.04	32.56	74.00	-41.44	Vertical
3260.00	36.19	28.44	7.61	37.33	34.91	74.00	-39.09	Vertical
4115.00	33.74	29.88	8.83	37.45	35.00	74.00	-39.00	Vertical
4620.00	31.97	31.02	9.22	37.65	34.56	74.00	-39.44	Vertical
5405.00	30.44	31.62	9.82	37.20	34.68	74.00	-39.32	Vertical
1755.00	36.09	25.96	5.35	36.35	31.05	74.00	-42.95	Horizontal
2680.00	35.65	28.02	6.74	37.08	33.33	74.00	-40.67	Horizontal
3345.00	36.49	28.39	7.75	37.34	35.29	74.00	-38.71	Horizontal
4140.00	33.87	29.94	8.85	37.46	35.20	74.00	-38.80	Horizontal
5035.00	31.93	31.69	9.53	37.76	35.39	74.00	-38.61	Horizontal
5580.00	31.17	31.79	9.96	36.96	35.96	74.00	-38.04	Horizontal

Note:

1. The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
2. Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
3. The emission levels of frequency range 18G~25G are very lower than the limit and not show in test report.

8 Test Setup Photo

Reference to the **appendix I** for details.

9 EUT Constructional Details

Reference to the **appendix II** for details.

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