

TEST REPORT

Report No.	CISER260629129
Project No.	CISE260629129
FCC ID	2A7X4-A1
Applicant	SHENZHEN XINSIYUAN ELECTRONIC TECHNOLOGY CO., LTD
Address	4th Floor, Building A, No. 207, Xingye 2nd Road,Fenghuang Community,FuyongTown,Baoan District, Shenzhen
Manufacturer	SHENZHEN XINSIYUAN ELECTRONIC TECHNOLOGY CO., LTD
Address	4th Floor, Building A, No. 207, Xingye 2nd Road,Fenghuang Community,FuyongTown,Baoan District, Shenzhen
Product Name	Multifunctional emergency radio
Trade mark	-
Model/Type reference	A1
Listed Model(s)	-
Standard	47 CFR Part 15, Subpart B
Date of sample receipt	June 29, 2026
Test date	June 29, 2026 to July 01, 2026
Issue date	July 02, 2026
Test result	Complied

Genry Long

Reviewed by: Genry Long



Approved by: Hans Hu

The test results relate only to the tested samples.

The test report should not be reproduced except in full without the written approval of Shenzhen Bangce Testing Technology Co., Ltd.

Contents

1. STANDARD AND APPLICABLE TEST METHODS	3
2. REPORT VERSION	3
3. TEST DESCRIPTION	4
4. SUMMARY	5
4.1. Product Description	5
4.2. Product receiving information	5
4.3. Modification of EUT	5
4.4. Deviation from standards	5
4.5. Testing Site	5
5. TEST CONFIGURATION	6
5.1. Descriptions of test mode	6
5.2. Support unit used in test configuration	6
5.3. Environmental conditions	6
5.4. Statement of the measurement uncertainty	6
5.5. Equipment Used during the Test	7
6. TEST RESULTS	8
6.1. Emission Test Results (EMI)	8
6.1.1. Conducted emissions on AC mains	8
6.1.2. Radiated emissions (Below 1GHz)	11

1. STANDARD AND APPLICABLE TEST METHODS

The tests were performed according to following standards:

47 CFR Part 15, Subpart B: Unintentional Radiators

2. REPORT VERSION

Version No.	Issue date	Description
00	July 02, 2026	Original

3. TEST DESCRIPTION

No.	Test Item	Standard Requirement	Result
1	Conducted emissions on AC mains	15.107, Class B	Pass
2	Radiated emissions (Below 1GHz)	15.109, Class B	Pass

Note:

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

4. SUMMARY

4.1. Product Description

Main unit information:	
Product Name:	Multifunctional emergency radio
Trade mark:	-
Model No.:	A1
Listed Model(s):	-
Model difference:	-
Power supply:	DC 5V from USB Port DC 3.7V from battery
Accessory unit information:	
Battery information:	JS 1260110 3.7V 10000mAh 37Wh 2026C30B03

4.2. Product receiving information

Modulation type:	FM, AM, WB
Operation frequency:	FM: 87MHz~108MHz AM: 520KHz~1710KHz WB:162.4MHz~162.55MHz

4.3. Modification of EUT

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

4.4. Deviation from standards

None

4.5. Testing 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

5. TEST CONFIGURATION

5.1. Descriptions of test mode

No	Test mode	Description
Mode1	Charging + FM reception + Lighting mode	Keep the EUT in FM Charging + FM reception + Lighting mode
Mode2	Charging + AM reception + Lighting mode	Keep The EUT in Charging + AM reception + Lighting mode
Mode3	Charging + WB reception + Lighting mode	Keep The EUT in Charging + WB reception + Lighting mode

5.2. Support unit used in test configuration

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

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

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

5.3. Environmental conditions

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

5.4. Statement of the measurement uncertainty

No.	Test Items	Measurement Uncertainty
1	Conducted Emission at AC power line (150kHz ~ 30MHz)	3.52dB
2	Radiated Emission (30MHz ~ 1000MHz)	4.46dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

5.5. Equipment Used during the Test

Conducted emissions on AC mains						
Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	8*4*3 Shielding room	SKET	8m*4m*3m	CIS-EE012	2024-09-02	2027-09-01
2	EMI Test Receiver	ROHDE&SCHWARZ	ESPI7	CIS-EE043	2026-01-06	2027-01-05
3	LISN	SCHWARZBECK	NSLK 8127	CIS-EE044	2026-01-06	2027-01-05
4	LISN-AE	ETS	3810/2NM	CIS-EE075	2026-01-06	2027-01-05
5	RF Cable	SKET	-	CIS-EE071	2026-01-06	2027-01-05
6	Power Strip	BULL	GNIN-413	CIS-EE087	2026-01-06	2027-01-05
7	Test software	FARAD	EZ-CON	CIS-EE095	/	/
8	Thermohygrometer	DeLi	8866	CIS-EE069	2026-01-06	2027-01-05
9	Analog Signal Generator	Agilent	N5171B	CIS-RE008	2026-01-06	2027-01-05

Radiated emissions (Below 1GHz)						
Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	9*6*6 Chamber	SKET	9m*6m*6m	CIS-EE011	2024-09-02	2027-09-01
2	EMI Test Receiver	ROHDE&SCHWARZ	ESCI	CIS-EE016	2026-01-06	2027-01-05
3	Broadband Antenna	SCHWARZBECK	VULB 9163	CIS-EE018	2026-01-06	2029-01-05
4	Preamplifier	Tonscend	TAP9K3G 40	CIS-EE021	2026-01-06	2027-01-05
5	RF Cable	Tonscend	-	CIS-EE025	2026-01-06	2027-01-05
6	Test software	FARAD	EZ-EMC RE	CIS-EE097	/	/
7	Thermohygrometer	DeLi	8866	CIS-EE067	2026-01-06	2027-01-05
8	Analog Signal Generator	Agilent	N5171B	CIS-RE008	2026-01-06	2027-01-05

6. TEST RESULTS

6.1. Emission Test Results (EMI)

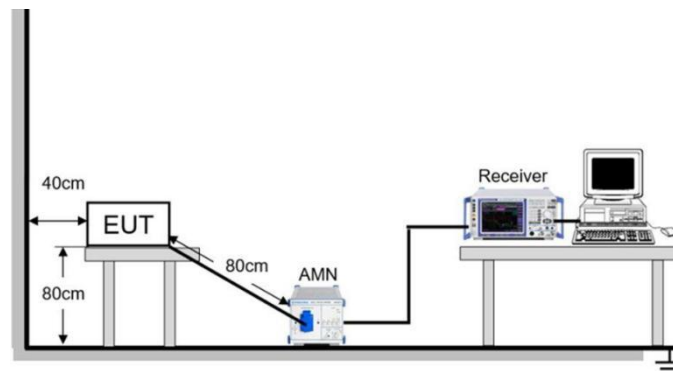
6.1.1. Conducted emissions on AC mains

Test Requirement:	15.107, Class B		
Test Limit:	Frequency of emission (MHz)	Conducted limit (dBμV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
	*Decreases with the logarithm of the frequency.		
Test Method:	ANSI C63.4-2014		
Procedure:	1>. The EUT was setup according to ANSI C63.4:2014 2>. The EUT was placed on a plat form 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 impedance stabilization network (LISN). The LISN provides a 50ohm / 50uH coupling impedance for the measuring equipment. 4>. The peripheral devices are also connected to the main power through a LISN. (Please 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.During the above scans, the emissions were maximized by cable manipulation.		

6.1.1.1. E.U.T. Operation

Operating Environment:					
Temperature:	24.8 °C	Humidity:	64.1 %	Atmospheric Pressure:	102.3 kPa
Pre test mode:	Mode1, Mode2,Mode3				
Final test mode:	All of the listed pre-test mode were tested, only the data of the worst mode (Mode1) is recorded in the report				

6.1.1.2. Test Setup Diagram

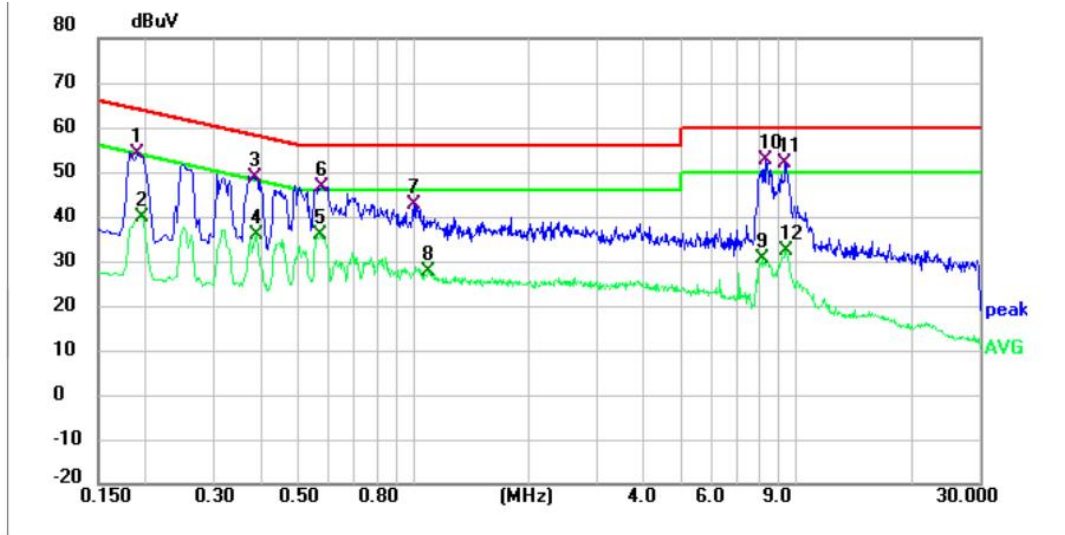


6.1.1.3. Test Result

Pass

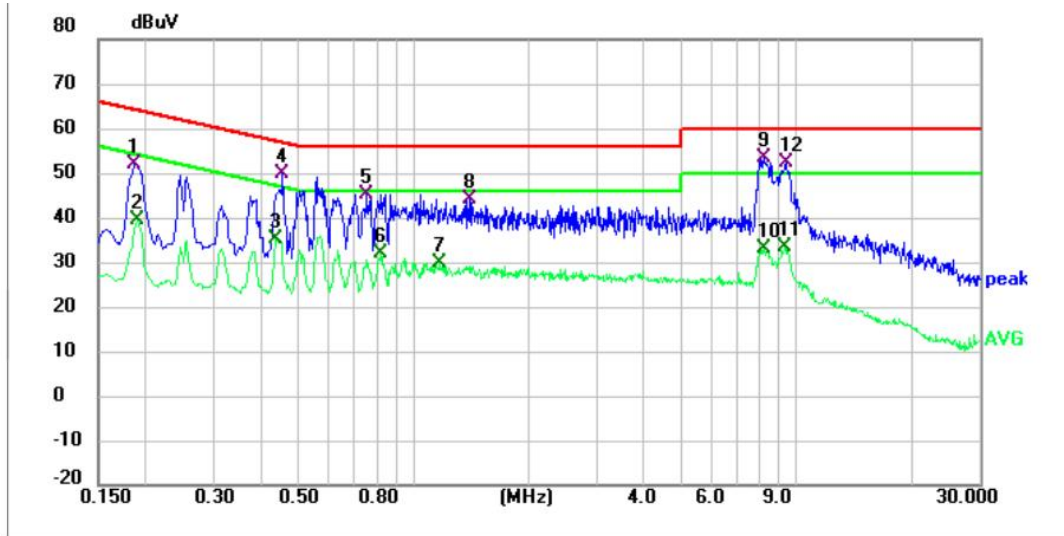
6.1.1.4. Test Data

Mode1 / Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1900	43.86	10.18	54.04	64.04	10.00	QP
2	0.1940	29.71	10.17	39.88	53.86	13.98	AVG
3	0.3820	38.60	10.13	48.73	58.24	9.51	QP
4	0.3860	25.92	10.13	36.05	48.15	12.10	AVG
5	0.5700	25.85	10.17	36.02	46.00	9.98	AVG
6	0.5740	36.36	10.17	46.53	56.00	9.47	QP
7	1.0100	32.51	10.19	42.70	56.00	13.30	QP
8	1.0980	17.39	10.19	27.58	46.00	18.42	AVG
9	8.1860	20.07	10.36	30.43	50.00	19.57	AVG
10 *	8.3580	42.20	10.36	52.56	60.00	7.44	QP
11	9.3380	41.59	10.37	51.96	60.00	8.04	QP
12	9.3900	22.09	10.37	32.46	50.00	17.54	AVG

Mode1 / Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1860	41.90	10.14	52.04	64.21	12.17	QP
2	0.1900	29.42	10.14	39.56	54.04	14.48	AVG
3	0.4380	24.90	10.13	35.03	47.10	12.07	AVG
4	0.4540	39.76	10.12	49.88	56.80	6.92	QP
5	0.7580	35.15	10.15	45.30	56.00	10.70	QP
6	0.8260	21.89	10.15	32.04	46.00	13.96	AVG
7	1.1740	19.62	10.17	29.79	46.00	16.21	AVG
8	1.4020	33.83	10.19	44.02	56.00	11.98	QP
9 *	8.2100	42.97	10.37	53.34	60.00	6.66	QP
10	8.2100	22.76	10.37	33.13	50.00	16.87	AVG
11	9.3500	22.90	10.36	33.26	50.00	16.74	AVG
12	9.3860	41.98	10.37	52.35	60.00	7.65	QP

Note:

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

2>. Margin = Limit - Level

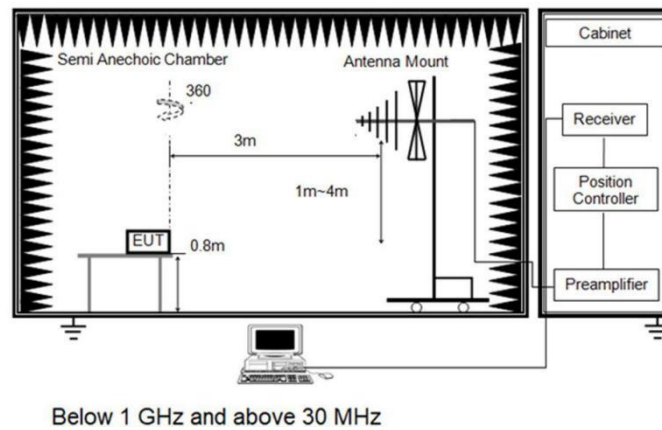
6.1.2. Radiated emissions (Below 1GHz)

Test Requirement:	15.109, Class B				
Test Limit:	Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:				
	Frequency of emission (MHz)	Field strength @3m		Field strength @10m	
		(μ V/m)	(dB μ V/m)	(μ V/m)	(dB μ V/m)
	30 – 88	100	40	30	29.5
	88 – 216	150	43.5	45	33.1
	216 – 960	200	46	60	35.6
	Above 960	500	54	150	43.5
Test Method:	ANSI C63.4-2014				
Procedure:	1>. The EUT was setup and tested according to ANSI C63.4. 2>. The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. 3>. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower. 4>. 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. 5>. Use the following spectrum analyzer settings a) Span shall wide enough to fully capture the emission being measured; b) 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.				

6.1.2.1. E.U.T. Operation

Operating Environment:					
Temperature:	22.9 °C	Humidity:	56.3 %	Atmospheric Pressure:	102.3 kPa
Pre test mode:	Mode1, Mode2,Mode3				
Final test mode:	Mode1, Mode2,Mode3				

6.1.2.2. Test Setup Diagram



6.1.2.3. Test Result

Pass

6.1.2.4. Test Data

Mode1 / Polarization: Horizontal/FM 87MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	77.8653	52.94	-34.84	18.10	40.00	21.90	QP
2 *	87.7245	66.70	-32.86	33.84	40.00	6.16	QP
3	135.5061	58.52	-33.99	24.53	43.50	18.97	QP
4	212.2692	66.70	-30.47	36.23	43.50	7.27	QP
5	506.4790	44.60	-22.84	21.76	46.00	24.24	QP
6	958.7943	45.02	-15.91	29.11	46.00	16.89	QP

Mode1 / Polarization: Vertical/FM 87MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	47.6584	55.21	-28.66	26.55	40.00	13.45	QP
2 *	87.7245	66.85	-32.86	33.99	40.00	6.01	QP
3	113.7142	59.76	-31.26	28.50	43.50	15.00	QP
4	213.7632	66.56	-30.43	36.13	43.50	7.37	QP
5	459.1143	50.71	-23.95	26.76	46.00	19.24	QP
6	906.4823	46.73	-16.29	30.44	46.00	15.56	QP

Mode1 / Polarization: Horizontal/FM 98MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	77.8653	52.94	-34.84	18.10	40.00	21.90	QP
2	97.4560	64.89	-31.01	33.88	43.50	9.62	QP
3	135.5061	58.52	-33.99	24.53	43.50	18.97	QP
4 *	212.2692	66.69	-30.47	36.22	43.50	7.28	QP
5	249.4250	61.74	-28.86	32.88	46.00	13.12	QP
6	958.7943	45.02	-15.91	29.11	46.00	16.89	QP

Mode1 / Polarization: Vertical/FM 98MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	35.2511	54.95	-31.24	23.71	40.00	16.29	QP
2 *	96.7750	69.59	-31.03	38.56	43.50	4.94	QP
3	113.7142	58.76	-31.26	27.50	43.50	16.00	QP
4	213.7632	66.66	-30.43	36.23	43.50	7.27	QP
5	459.1143	50.71	-23.95	26.76	46.00	19.24	QP
6	906.4823	46.73	-16.29	30.44	46.00	15.56	QP

Mode1 / Polarization: Horizontal/FM 108MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	77.8653	52.94	-34.84	18.10	40.00	21.90	QP
2	107.5100	63.37	-30.43	32.94	43.50	10.56	QP
3	135.5061	58.02	-33.99	24.03	43.50	19.47	QP
4	176.8874	59.13	-32.53	26.60	43.50	16.90	QP
5 *	212.2692	65.70	-30.47	35.23	43.50	8.27	QP
6	958.7943	45.02	-15.91	29.11	46.00	16.89	QP

Mode1 / Polarization: Vertical/FM 108MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	35.2511	56.45	-31.24	25.21	40.00	14.79	QP
2 *	107.5100	66.87	-30.43	36.44	43.50	7.06	QP
3	124.5690	57.87	-33.22	24.65	43.50	18.85	QP
4	213.7632	66.75	-30.43	36.32	43.50	7.18	QP
5	305.6800	55.14	-27.60	27.54	46.00	18.46	QP
6	906.4823	46.73	-16.29	30.44	46.00	15.56	QP

Mode2 / Polarization: Horizontal/AM 1.71MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	47.9940	45.43	-28.66	16.77	40.00	23.23	QP
2	72.5915	53.20	-33.91	19.29	40.00	20.71	QP
3	135.5061	59.47	-33.99	25.48	43.50	18.02	QP
4	210.7860	62.62	-30.50	32.12	43.50	11.38	QP
5 *	247.6818	63.84	-28.91	34.93	46.00	11.07	QP
6	827.4933	47.69	-17.59	30.10	46.00	15.90	QP

Mode2 / Polarization: Vertical/AM 1.71MHz



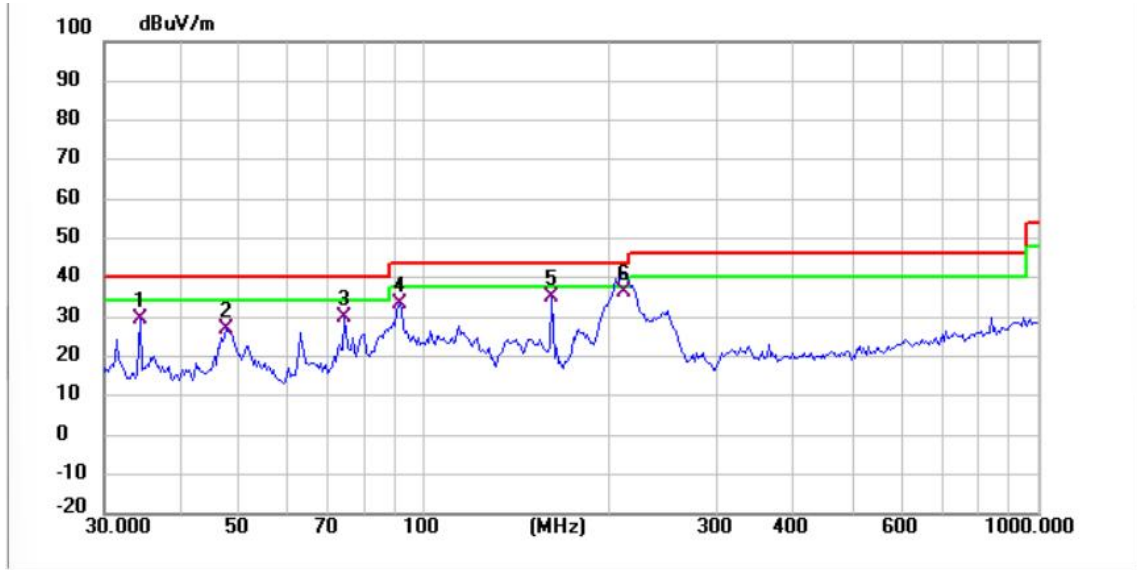
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	34.2760	64.28	-31.48	32.80	40.00	7.20	QP
2	42.3021	58.42	-28.92	29.50	40.00	10.50	QP
3	75.5911	64.25	-34.59	29.66	40.00	10.34	QP
4	210.7860	61.64	-30.50	31.14	43.50	12.36	QP
5	455.9057	51.64	-24.03	27.61	46.00	18.39	QP
6	839.1817	48.09	-17.34	30.75	46.00	15.25	QP

Mode3 / Polarization: Horizontal/WB 162.55MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	72.5913	54.20	-33.91	20.29	40.00	19.71	QP
2	135.5061	60.97	-33.99	26.98	43.50	16.52	QP
3	162.6105	66.75	-33.29	33.46	43.50	10.04	QP
4 *	210.7860	65.73	-30.50	35.23	43.50	8.27	QP
5	247.6818	63.84	-28.91	34.93	46.00	11.07	QP
6	919.2865	44.94	-16.27	28.67	46.00	17.33	QP

Mode3 / Polarization: Vertical/WB 162.55MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	34.2760	60.78	-31.48	29.30	40.00	10.70	QP
2	47.3253	55.62	-28.65	26.97	40.00	13.03	QP
3	74.1350	64.31	-34.22	30.09	40.00	9.91	QP
4	90.8554	65.44	-32.09	33.35	43.50	10.15	QP
5	161.4740	68.31	-33.30	35.01	43.50	8.49	QP
6 *	210.7860	66.75	-30.50	36.25	43.50	7.25	QP

Note:

1>. Level= Reading + Factor (Antenna Factor+ Cable Loss- Preamp Factor)

2>. Margin = Limit – Level

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