FCC PART 15B

TEST REPORT

For

HENAN ESHOW ELECTRONIC COMMERCE CO., LTD

Room 722, Sanjiang Building, No.170 Nanyang Road, Huiji District, Zhengzhou, Henan, China

FCC ID: 2AAR8TR627

Report Type: Original Report	**Product Type:** Emergency Radio
Tester:	Walker Chen, Joyce Qiao, Jeremy Liang
Report Number:	DG1210804-32565E-00
Report Date:	2021-08-31
Reviewed By:	Redick Zhang EMC Engineer
Test Laboratory:	Bay Area Compliance Laboratories Corp. (Dongguan) No.12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong, China Tel: +86-769-86858888 Fax: +86-769-86858891 www.baclcorp.com.cn

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

EUT Name:	Emergency Radio
EUT Model:	TR627
Rated Input Voltage:	DC 5V from Adapter or 4.5Vdc from battery AAA*3, or 3.7Vdc from Li-battery
The Highest Operating Frequency:	162.55MHz
I/O Ports:	Refer to the manual
EUT Function:	Refer to the manual
Serial Number:	DG1210804-32565E-EM-S1
EUT Received Date:	2021.08.06
EUT Received Status:	Good

Objective

This report is prepared on behalf of *HENAN ESHOW ELECTRONIC COMMERCE CO., LTD* in accordance with Part 2, Subpart J, and Part 15, Subpart A and B of the Federal Communications Commission's rules.

The objective is to determine the compliance of EUT with: FCC Part 15B.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2014 American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.

Measurement Uncertainty

Parameter	Measurement Uncertainty
Unwanted Emissions, radiated	30M~200MHz: 4.55 dB,200M~1GHz: 5.92 dB, 1G~6GHz: 4.98 dB, 6G~18GHz: 5.89 dB, 18G~26.5G:5.47 dB,26.5G~40G:5.63 dB
Temperature	±1℃
Humidity	±5%
AC Power Lines Conducted Emission	3.12 dB (150 kHz to 30 MHz)

Note: Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 897218, the FCC Designation No. : CN1220.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier : CN0022.

Declarations

BACL is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol"▲". Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in a typical fashion (as normally used by a typical user).

Mode 1: Charge load by USB out port

Mode 2: WB receive—top channel
Mode 3: WB receive—middle channel
Mode 4: WB receive—bottom channel
Note : Mode 3 was the worst case of WB receive mode, so data of Mode 3 was recorded in report.

Mode 5: AM receive—top channel
Mode 6: AM receive—middle channel
Mode 7: AM receive—bottom channel
Note : Mode 7 was the worst case of AM receive mode, so data of Mode 7 was recorded in report.

Mode 8: FM receive—top channel
Mode 9: FM receive—middle channel
Mode 10:FM receive—bottom channel
Note : Mode 8 was the worst case of FM receive mode, so data of Mode 8 was recorded in report.

Mode 11: SOS
Mode 12: charging

Equipment Modifications

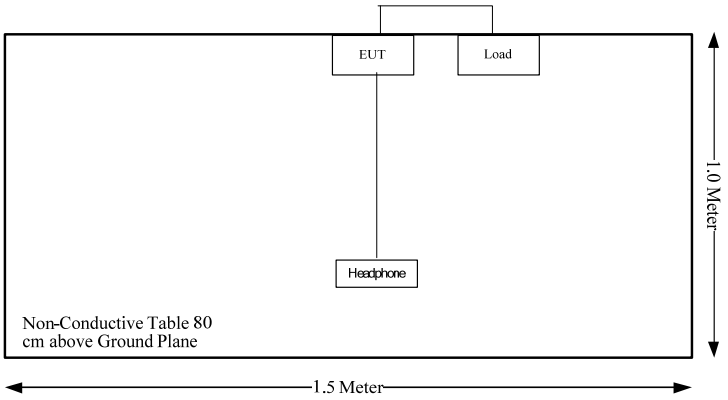
No modification was made to the EUT.

EUT Exercise Software

N/A

Block Diagram of Test Setup

M1:



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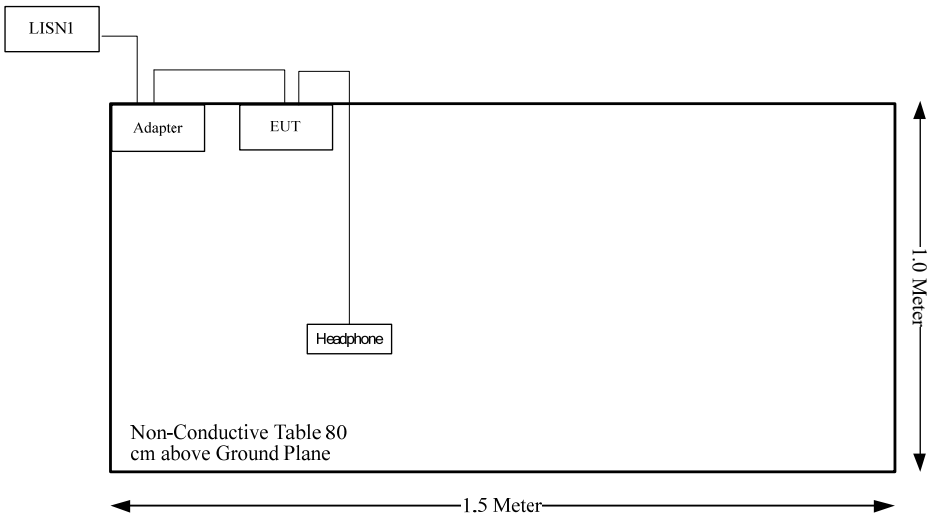
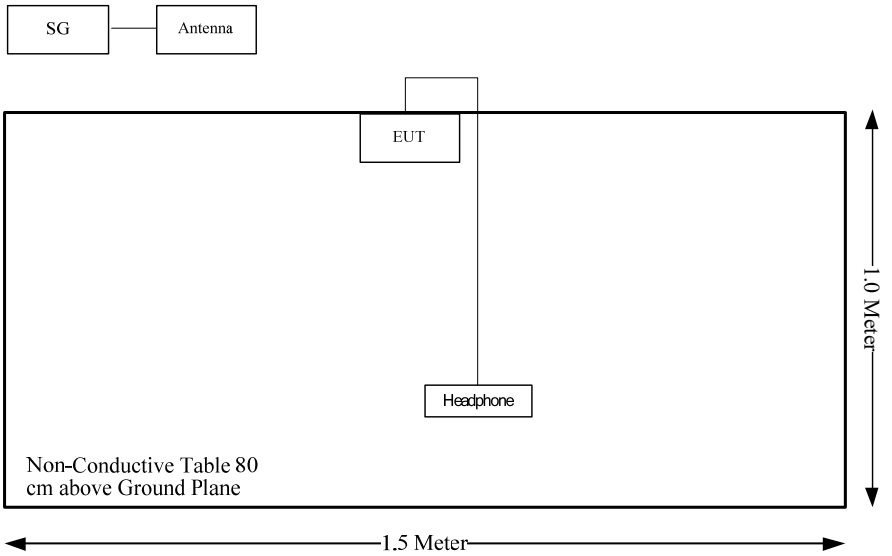


M2&M3&M4&M5&M6&M7&M8&M9&M11:



Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Hua Jin	Adapter	HJ-0502000W2-US	N/A
N/A	Headphone	N/A	N/A
N/A	Load(Resistance)	5Ohm	N/A
HP	SG	8648A	3246A00831
N/A	Antenna	N/A	N/A

Support Cable List and Details

Cable Description	Shielding Cable	Ferrite Core	Length (m)	From Port	To
USB cable	No	No	0.8	EUT USB Out port	Load
Type-C USB cable	No	No	1	EUT DC IN	Adapter
Earphone cable	No	No	1.2	EUT Headphone Jack	Headphone

Test Equipment List

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted emissions					
R&S	LISN	ENV 216	101614	2020-09-12	2021-09-12
R&S	EMI Test Receiver	ESCI	101121	2021-07-06	2022-07-05
MICRO-COAX	Coaxial Cable	C-NJNJ-50	C-0200-01	2020-09-05	2021-09-05
R&S	Test Software	EMC32	Version 9.10.00	N/A	N/A
Radiated emissions below 1GHz					
Sunol Sciences	Antenna	JB3	A060611-1	2020-11-10	2023-11-10
R&S	EMI Test Receiver	ESR3	102453	2020-09-12	2021-09-12
Unknown	Coaxial Cable	C-NJNJ-50	C-0075-01	2021-07-19	2022-07-18
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-01	2021-07-19	2022-07-18
Unknown	Coaxial Cable	C-NJNJ-50	C-1400-01	2021-07-19	2022-07-18
Sonoma	Amplifier	310N	372193.000000	2021-07-18	2022-07-17
Audix	Test Software	E3	201021 (V9)	N/A	N/A
Radiated emissions above 1GHz					
ETS-Lindgren	Horn Antenna	3115	000 527 35	2018-10-12	2021-10-12
Agilent	Spectrum Analyzer	E4440A	SG43360054	2021-07-22	2022-07-21
Unknown	Coaxial Cable	C-SJSJ-50	C-0800-01	2020-09-05	2021-09-05
Mini-Circuit	Amplifier	ZVA-213-S+	54201245	2020-09-05	2021-09-05
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A

Environmental Conditions

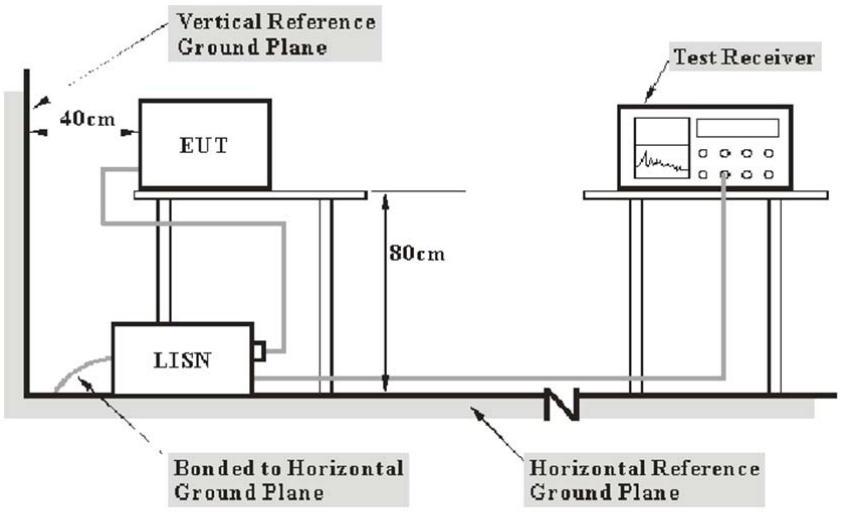
Test Item:	Conducted emission	Radiated emissions below 1GHz	Radiated emissions above 1GHz
Temperature:	26.9℃	24.6℃	28.3℃
Relative Humidity:	61%	65%	52%
ATM Pressure:	100.3kPa	100.1kPa	100.6kPa
Tester:	Walker Chen	Joyce Qiao	Jeremy Liang
Test Date:	2021.08.18	2021.08.13	2021.08.27

SUMMARY OF TEST RESULTS

SN	Rule and Clause	Description of Test	Test Result
1	FCC §15.107	Conducted emissions	Compliance
2	FCC §15.109	Radiated emissions	Compliance

1 – CONDUCTED EMISSIONS

EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15 B Class B limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result (QuasiPeak or Average) = Meter Reading + Corr.

Note:
Corr. = Cable loss + Factor of coupling device

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the maximum limit. The equation for margin calculation is as follows:

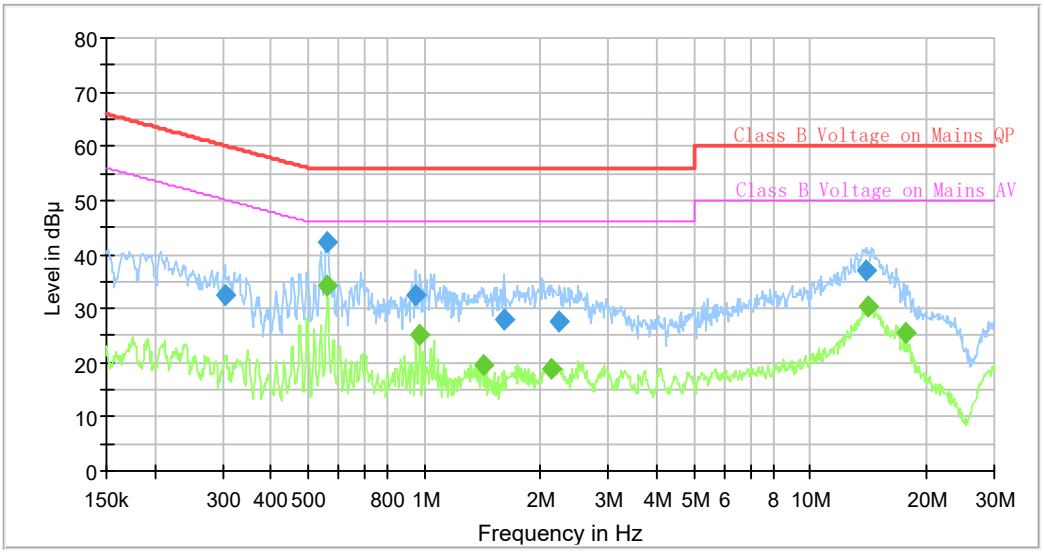
Margin = Limit –Result

Except for the recorded frequency points (no more than 6), the remaining frequency points have a margin more than 20dB.

Test Data

Please refer to following table and plots:

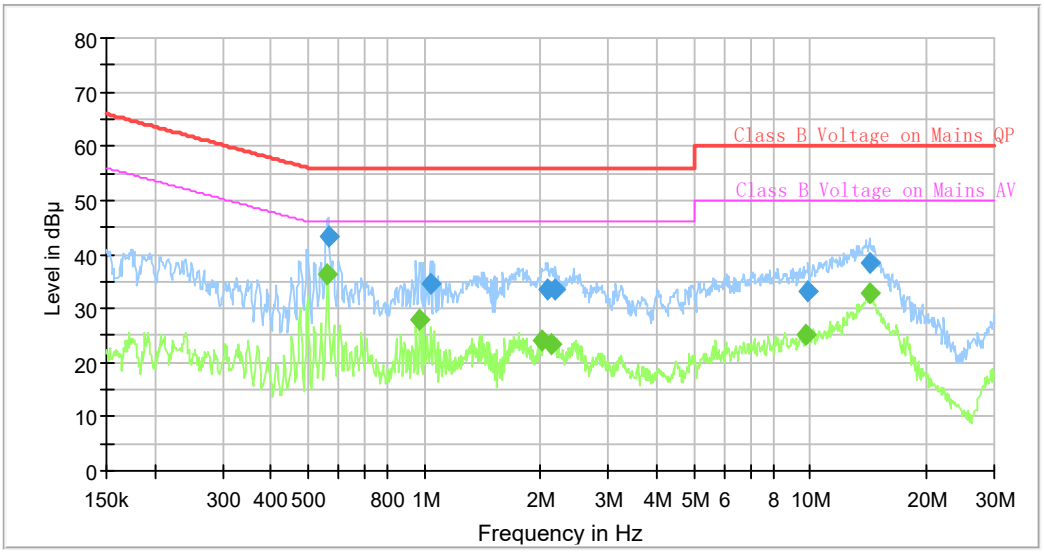
Model Number:	TR627
Port:	L
Test Mode:	Mode 12: charging
Power Source:	DC 5V from Adapter input AC 120V/60Hz
Note:	



Final_Result

Frequency (MHz)	QuasiPeak (dB µ V)	Average (dB µ V)	Limit (dB µ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.303044	32.51	---	60.16	27.65	9.000	L1	9.6
0.559669	---	34.16	46.00	11.84	9.000	L1	9.6
0.559669	42.16	---	56.00	13.84	9.000	L1	9.6
0.949586	32.41	---	56.00	23.59	9.000	L1	9.7
0.973564	---	25.04	46.00	20.96	9.000	L1	9.7
1.429391	---	19.61	46.00	26.39	9.000	L1	9.7
1.603137	27.99	---	56.00	28.01	9.000	L1	9.7
2.130277	---	18.78	46.00	27.22	9.000	L1	9.7
2.239220	27.75	---	56.00	28.25	9.000	L1	9.7
14.034840	37.01	---	60.00	22.99	9.000	L1	10.1
14.105014	---	30.28	50.00	19.72	9.000	L1	10.1
17.742400	---	25.58	50.00	24.42	9.000	L1	10.1

Model Number:	TR627
Port:	N
Test Mode:	Mode 12: charging
Power Source:	DC 5V from Adapter input AC 120V/60Hz
Note:	



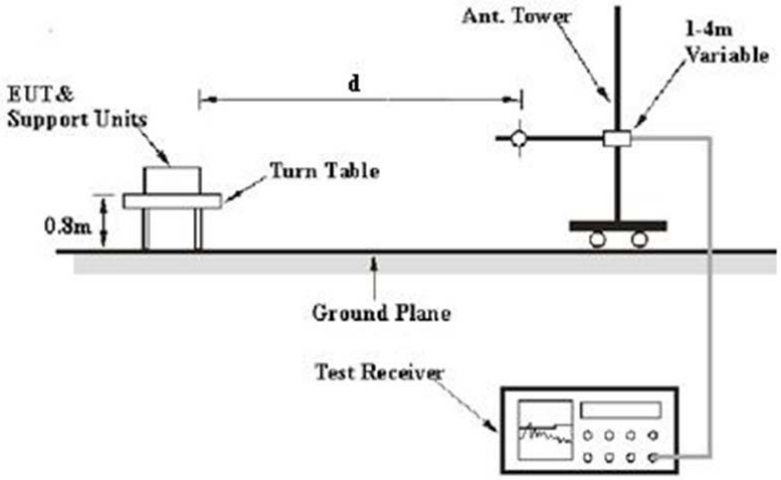
Final_Result

Frequency (MHz)	QuasiPeak (dB µ V)	Average (dB µ V)	Limit (dB µ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.562468	---	36.47	46.00	9.53	9.000	N	9.6
0.565280	43.41	---	56.00	12.59	9.000	N	9.6
0.973564	---	27.96	46.00	18.04	9.000	N	9.6
1.033611	34.44	---	56.00	21.56	9.000	N	9.6
2.016552	---	24.14	46.00	21.86	9.000	N	9.6
2.088199	33.44	---	56.00	22.56	9.000	N	9.6
2.130277	---	23.29	46.00	22.71	9.000	N	9.6
2.184069	33.42	---	56.00	22.58	9.000	N	9.6
9.703287	---	25.14	50.00	24.86	9.000	N	9.7
9.898813	33.35	---	60.00	26.65	9.000	N	9.7
14.246417	---	32.84	50.00	17.16	9.000	N	9.9
14.246417	38.51	---	60.00	21.49	9.000	N	9.9

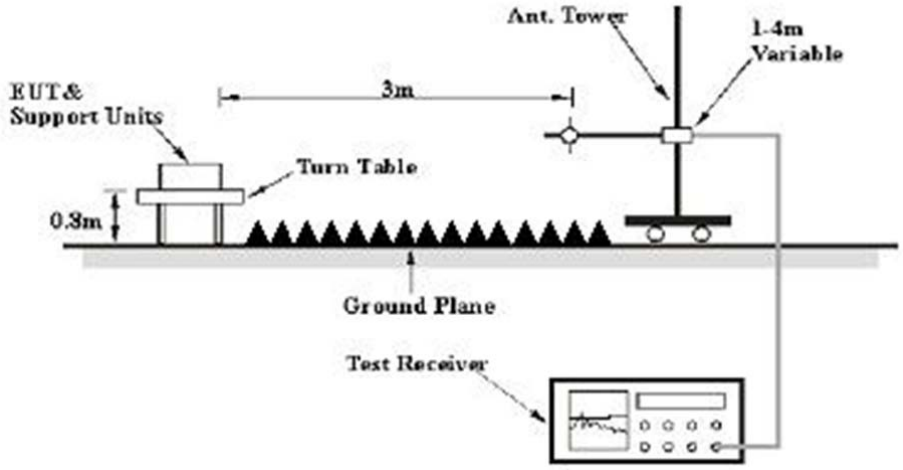
2 - RADIATED EMISSIONS

EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests were performed at the 3 meters distance, above 1GHz was performed at the 3 meters Chamber B, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15.109 Class B limits.

EMI Test Receiver Setup

The system was investigated from 30 MHz to 2GHz.

During the radiated emission test, the EMI test receiver was set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Measurement
30 MHz – 1000 MHz	120 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	Peak
	1 MHz	Reduced video bandwidth	/	AVG

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

The data was recorded in the Quasi-peak detection mode for below 1 GHz, peak and average detection mode above 1 GHz.

If the maximized peak measured value complies with under the QP limit more than 6dB, then it is unnecessary to perform an QP measurement.

Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Meter Reading+ Corrected

Note:
Corrected = Antenna Factor + Cable Loss - Amplifier Gain
or
Corrected = Antenna Factor + Cable Loss + Insertion loss of attenuator - Amplifier Gain

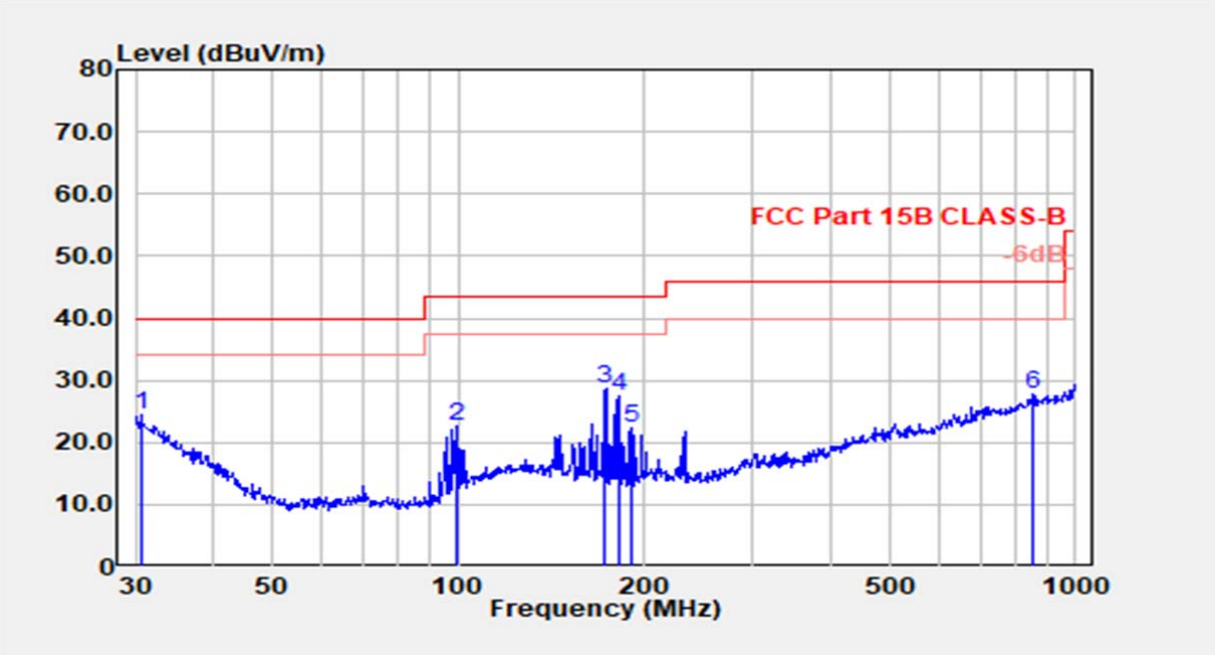
The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

Margin = Limit – Result

Test Data

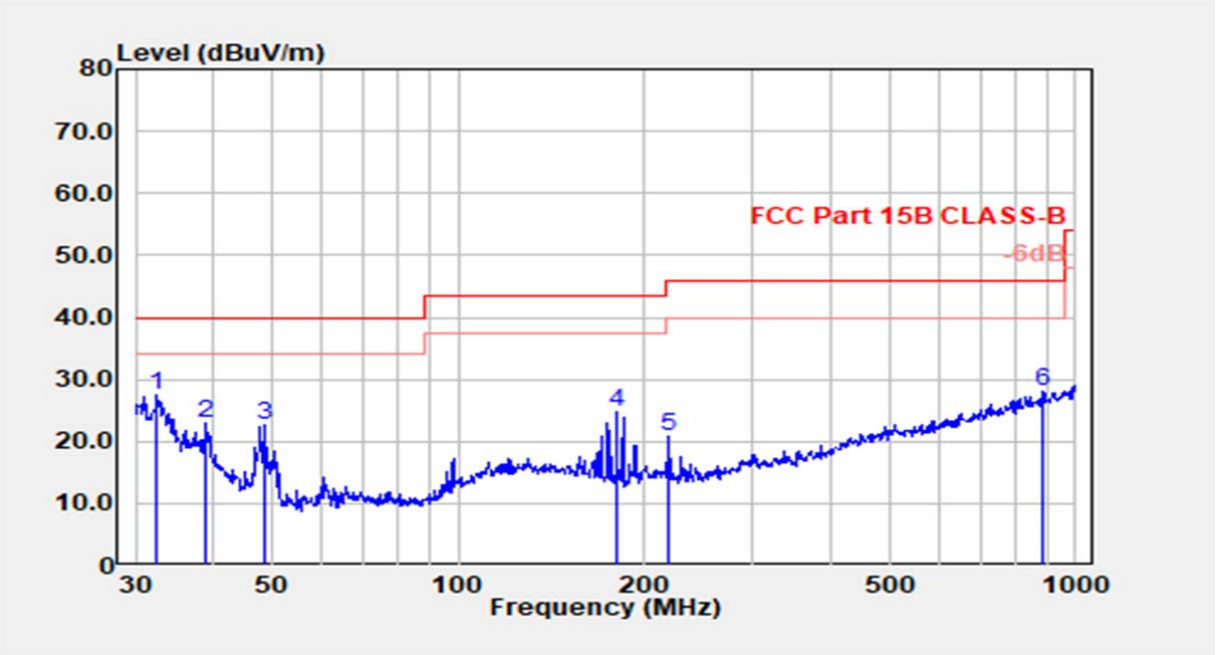
Please refer to following table and plots:

Condition:	FCC Part 15B Class B	**Polarization:**	Horizontal
EUT:	Emergency Radio	**Power:**	DC3.7V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 1: Charge load by USB out port		
Note:			



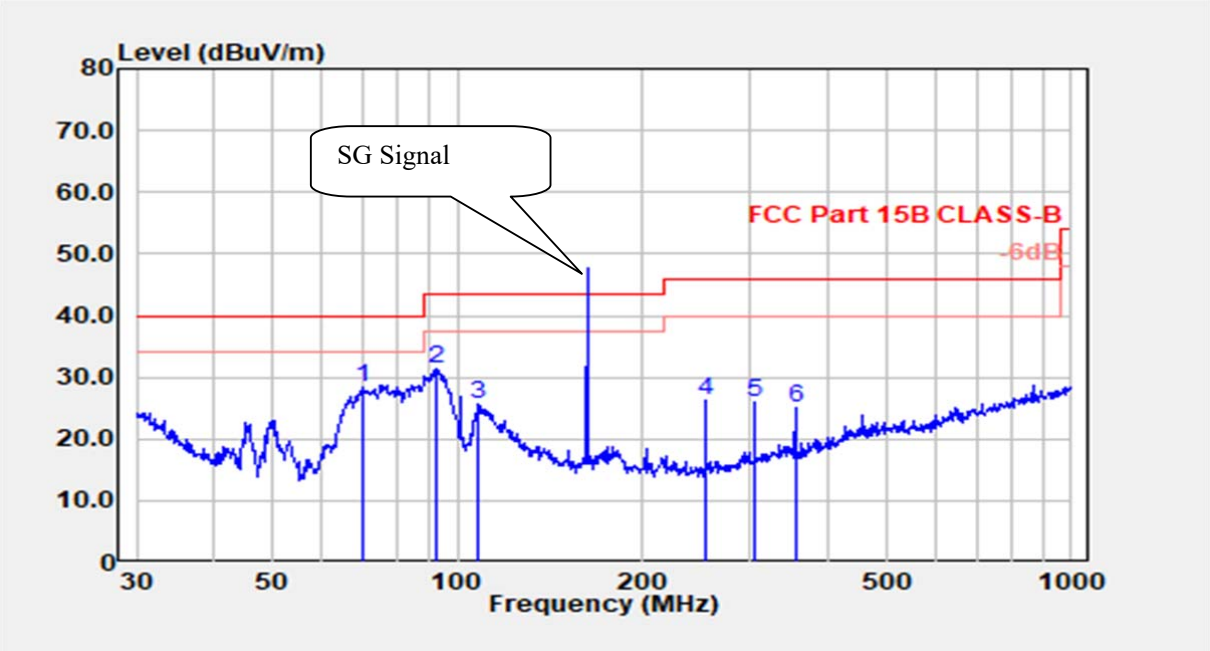
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.531	28.73	-4.20	24.53	40.00	15.47	Peak
2	99.528	37.26	-14.69	22.57	43.50	20.93	Peak
3	173.205	42.04	-13.38	28.66	43.50	14.84	Peak
4	181.920	41.36	-13.76	27.60	43.50	15.90	Peak
5	190.405	36.02	-13.58	22.44	43.50	21.06	Peak
6	854.025	29.46	-1.65	27.81	46.00	18.19	Peak

Condition:	FCC Part 15B Class B	**Polarization:**	vertical
EUT:	Emergency Radio	**Power:**	DC3.7V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 1: Charge load by USB out port		
Note:			



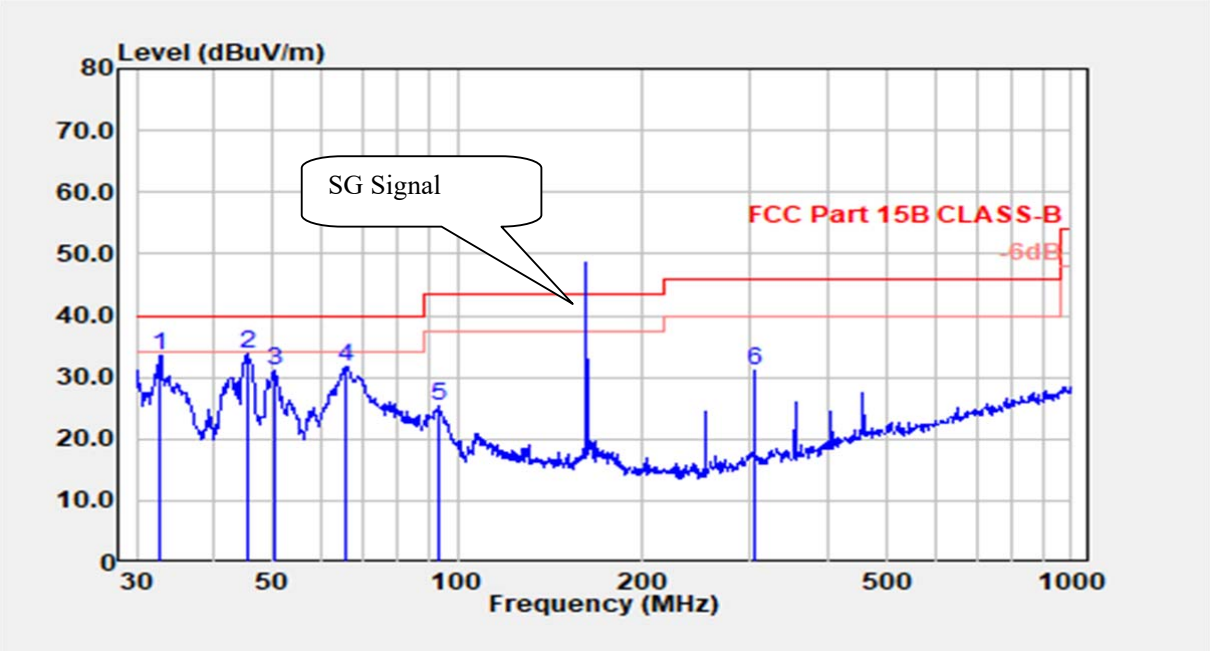
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	32.520	33.22	-5.74	27.49	40.00	12.51	Peak
2	38.888	33.60	-10.63	22.97	40.00	17.03	Peak
3	48.332	39.02	-16.43	22.59	40.00	17.41	Peak
4	180.649	38.65	-13.79	24.86	43.50	18.64	Peak
5	219.845	33.71	-12.96	20.75	46.00	25.25	Peak
6	881.407	29.62	-1.42	28.20	46.00	17.80	Peak

Condition:	FCC Part 15B Class B	**Polarization:**	Horizontal
EUT:	Emergency Radio	**Power:**	DC 3.7V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 3: WB receive—middle channel		
Note:			



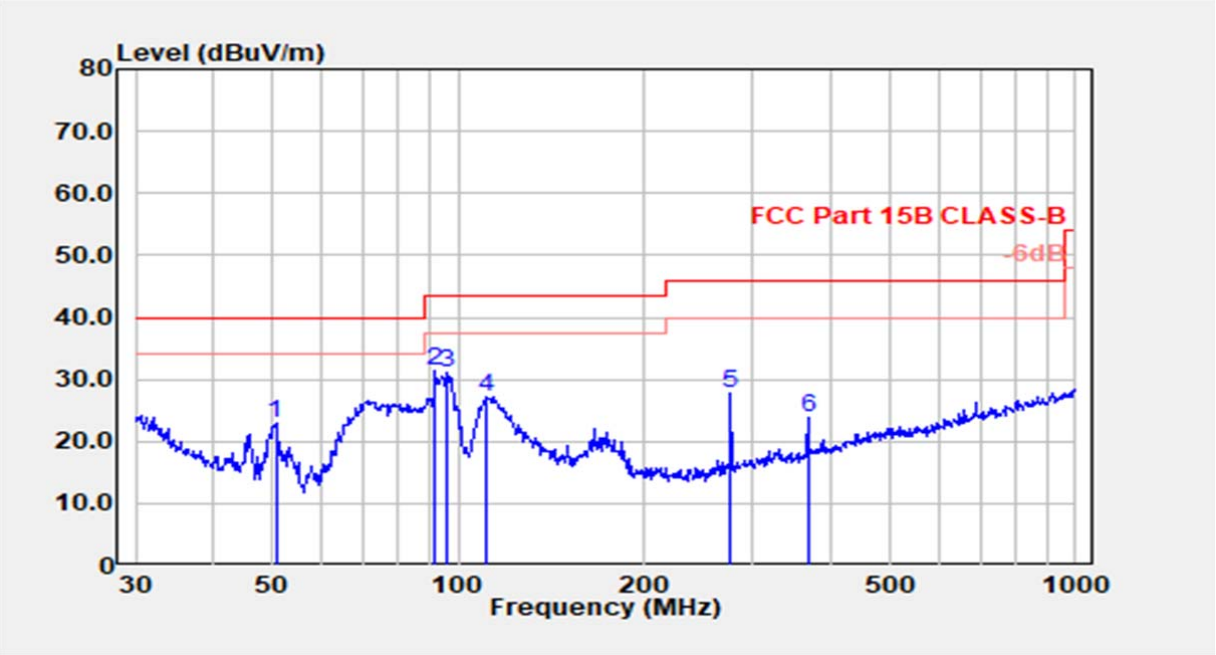
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	70.337	45.27	-16.74	28.52	40.00	11.48	Peak
2	92.139	47.93	-16.66	31.27	43.50	12.23	Peak
3	108.267	38.54	-12.91	25.63	43.50	17.87	Peak
4	253.837	39.39	-13.05	26.34	46.00	19.66	Peak
5	304.610	36.69	-10.79	25.90	46.00	20.10	Peak
6	355.427	35.26	-10.14	25.12	46.00	20.88	Peak

Condition:	FCC Part 15B Class B	**Polarization:**	vertical
EUT:	Emergency Radio	**Power:**	DC 3.7V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 3: WB receive—middle channel		
Note:			



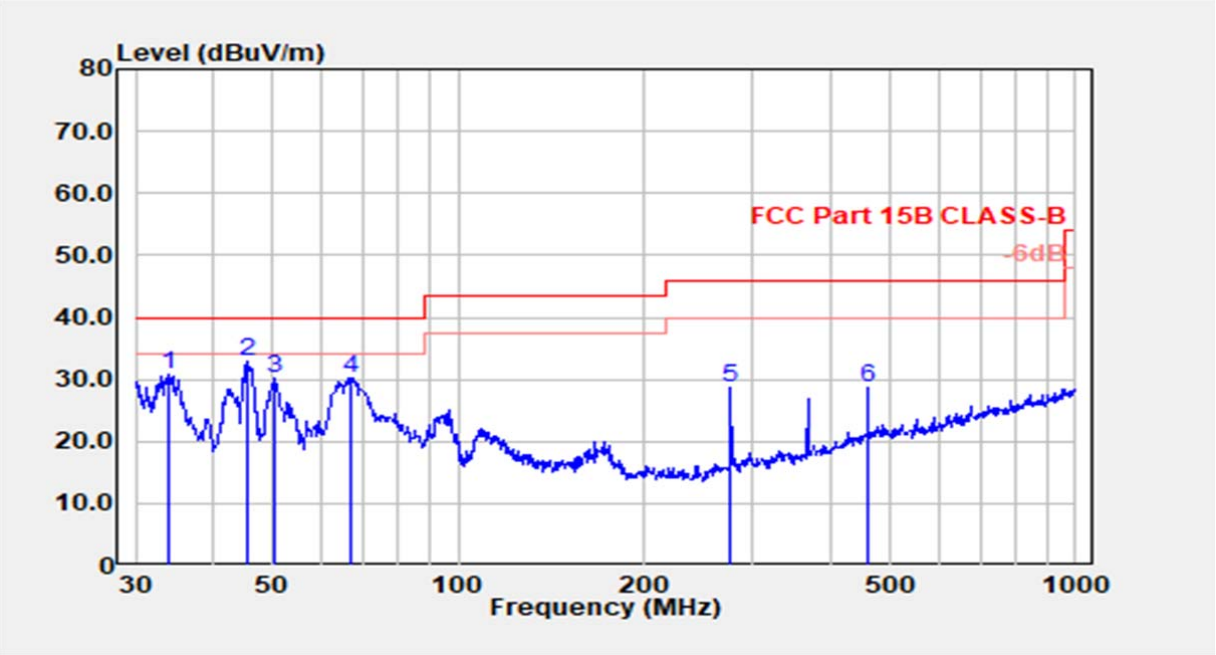
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	32.749	39.51	-5.92	33.59	40.00	6.41	Peak
2	45.375	48.36	-14.68	33.68	40.00	6.32	Peak
3	50.232	48.48	-17.39	31.08	40.00	8.92	Peak
4	65.573	48.82	-17.13	31.70	40.00	8.30	Peak
5	92.787	41.97	-16.46	25.51	43.50	17.99	Peak
6	304.610	42.03	-10.79	31.23	46.00	14.77	Peak

Condition:	FCC Part 15B Class B	**Polarization:**	Horizontal
EUT:	Emergency Radio	**Power:**	DC 3.7V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 7: AM receive—bottom channel		
Note:			



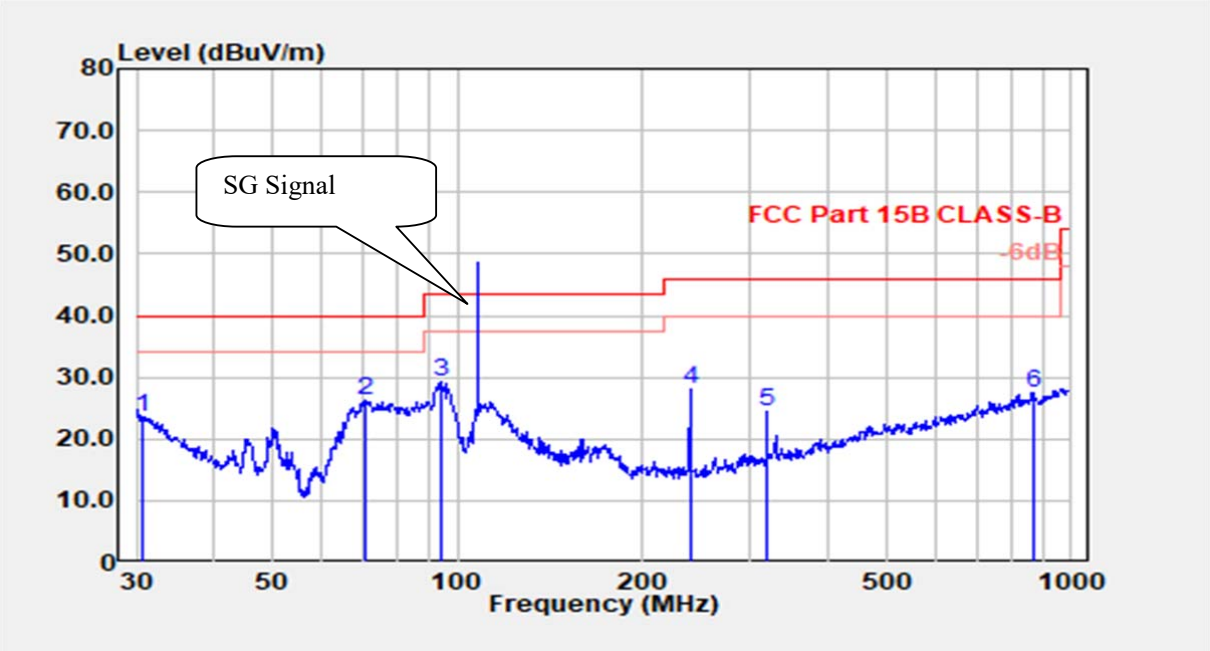
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	50.586	40.30	-17.41	22.89	40.00	17.11	Peak
2	91.816	48.18	-16.74	31.43	43.50	12.07	Peak
3	96.099	46.79	-15.57	31.22	43.50	12.28	Peak
4	110.957	39.74	-12.51	27.22	43.50	16.28	Peak
5	276.124	39.78	-12.04	27.75	46.00	18.25	Peak
6	368.112	33.66	-9.80	23.87	46.00	22.13	Peak

Condition:	FCC Part 15B Class B	**Polarization:**	vertical
EUT:	Emergency Radio	**Power:**	DC 3.7V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 7: AM receive—bottom channel		
Note:			



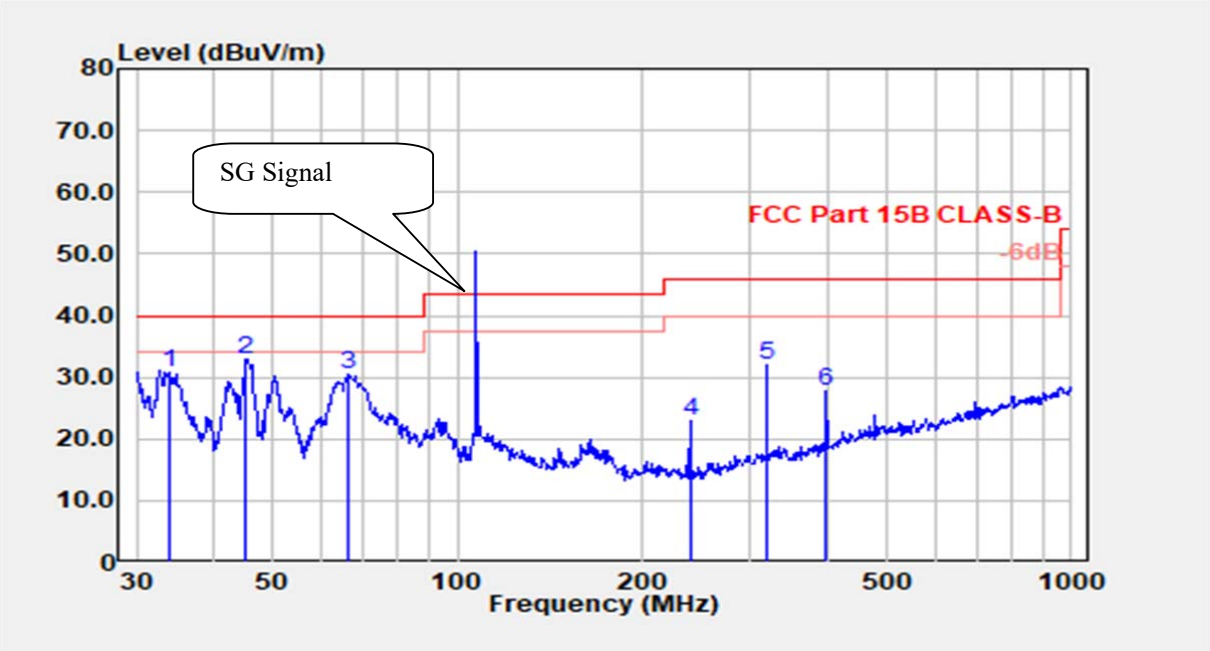
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	33.799	37.48	-6.71	30.77	40.00	9.23	Peak
2	45.695	47.81	-14.88	32.93	40.00	7.07	Peak
3	50.409	47.60	-17.40	30.20	40.00	9.80	Peak
4	66.967	47.32	-16.99	30.33	40.00	9.67	Peak
5	276.124	40.86	-12.04	28.83	46.00	17.17	Peak
6	460.727	35.62	-6.92	28.70	46.00	17.30	Peak

Condition:	FCC Part 15B Class B	**Polarization:**	Horizontal
EUT:	Emergency Radio	**Power:**	DC 3.7V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 8: FM receive—top channel		
Note:			



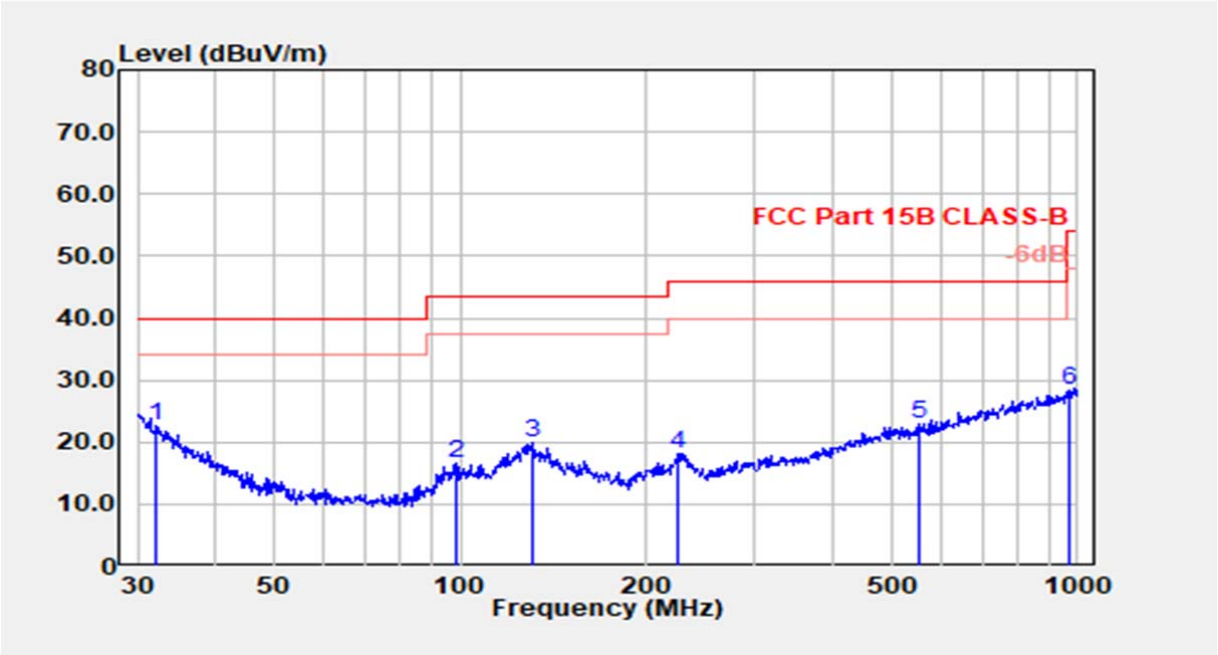
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.638	27.83	-4.28	23.55	40.00	16.45	Peak
2	70.584	42.91	-16.78	26.14	40.00	13.86	Peak
3	93.768	45.39	-16.22	29.17	43.50	14.33	Peak
4	239.147	41.21	-13.18	28.02	46.00	17.98	Peak
5	318.817	35.15	-10.78	24.37	46.00	21.63	Peak
6	866.088	28.82	-1.41	27.40	46.00	18.60	Peak

Condition:	FCC Part 15B Class B	**Polarization:**	vertical
EUT:	Emergency Radio	**Power:**	DC 3.7V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 8: FM receive—top channel		
Note:			



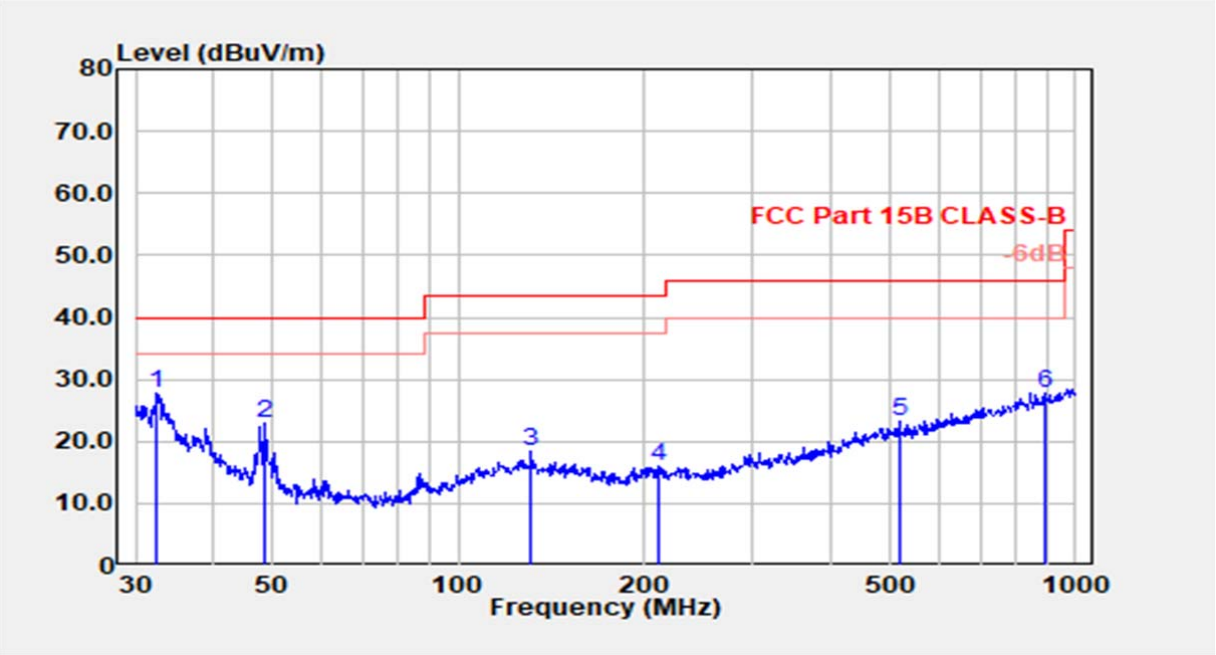
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	33.917	37.72	-6.80	30.92	40.00	9.08	Peak
2	45.217	47.54	-14.58	32.96	40.00	7.04	Peak
3	66.499	47.46	-17.05	30.41	40.00	9.59	Peak
4	239.147	36.09	-13.18	22.91	46.00	23.09	Peak
5	318.817	42.76	-10.78	31.98	46.00	14.02	Peak
6	399.030	36.66	-9.02	27.64	46.00	18.36	Peak

Condition:	FCC Part 15B Class B	**Polarization:**	horizontal
EUT:	Emergency Radio	**Power:**	DC 4.5V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 11: SOS		
Note:			



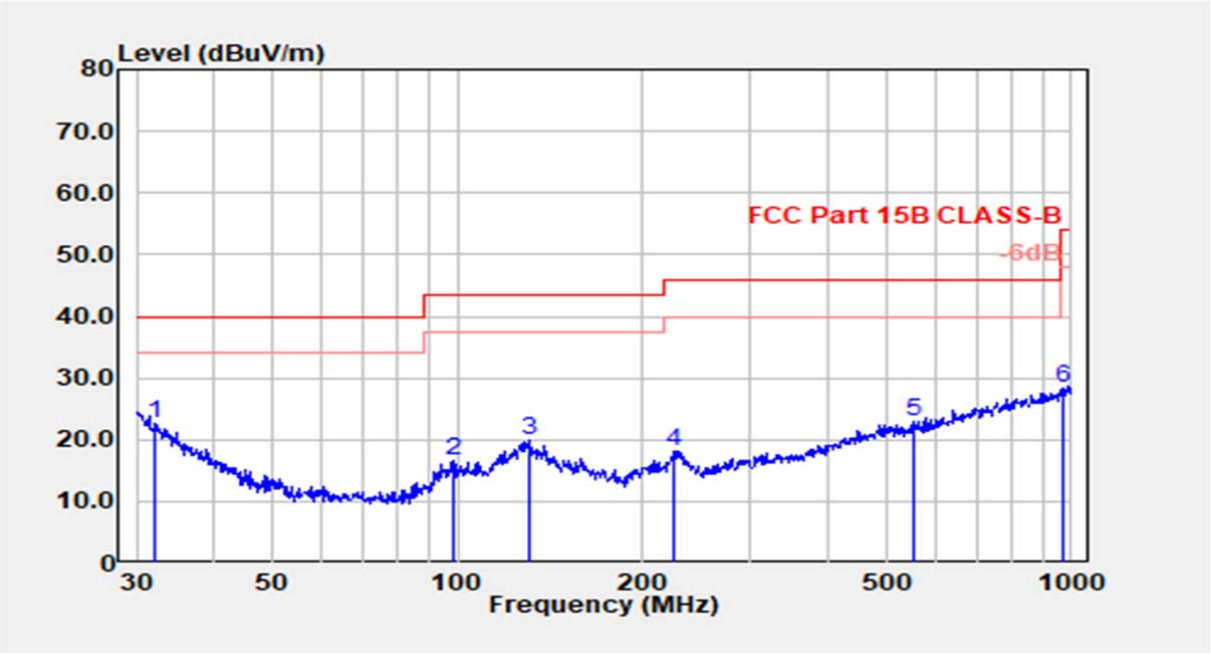
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	32.179	28.09	-5.46	22.63	40.00	17.37	Peak
2	98.142	31.61	-15.02	16.59	43.50	26.91	Peak
3	130.379	31.49	-11.57	19.93	43.50	23.57	Peak
4	224.519	31.25	-13.03	18.22	46.00	27.78	Peak
5	552.883	28.93	-5.95	22.98	46.00	23.02	Peak
6	965.542	28.23	0.01	28.23	54.00	25.77	Peak

Condition:	FCC Part 15B Class B	**Polarization:**	vertical
EUT:	Emergency Radio	**Power:**	DC 4.5V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 11: SOS		
Note:			



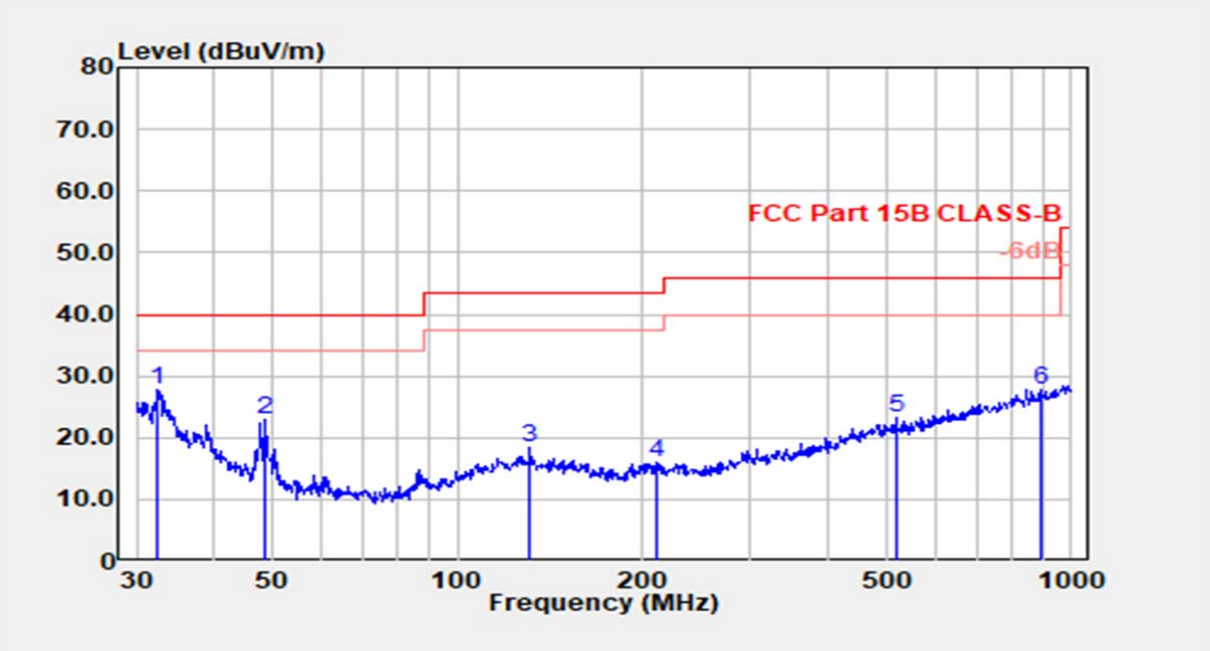
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	32.520	33.59	-5.74	27.86	40.00	12.14	Peak
2	48.332	39.45	-16.43	23.02	40.00	16.98	Peak
3	131.297	29.91	-11.61	18.30	43.50	25.20	Peak
4	210.786	28.73	-12.63	16.10	43.50	27.40	Peak
5	517.248	29.20	-6.07	23.13	46.00	22.87	Peak
6	890.728	29.18	-1.39	27.79	46.00	18.21	Peak

Condition:	FCC Part 15B Class B	**Polarization:**	Horizontal
EUT:	Emergency Radio	**Power:**	DC5V from adapter input AC120V/60Hz
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 12: charging		
Note:			



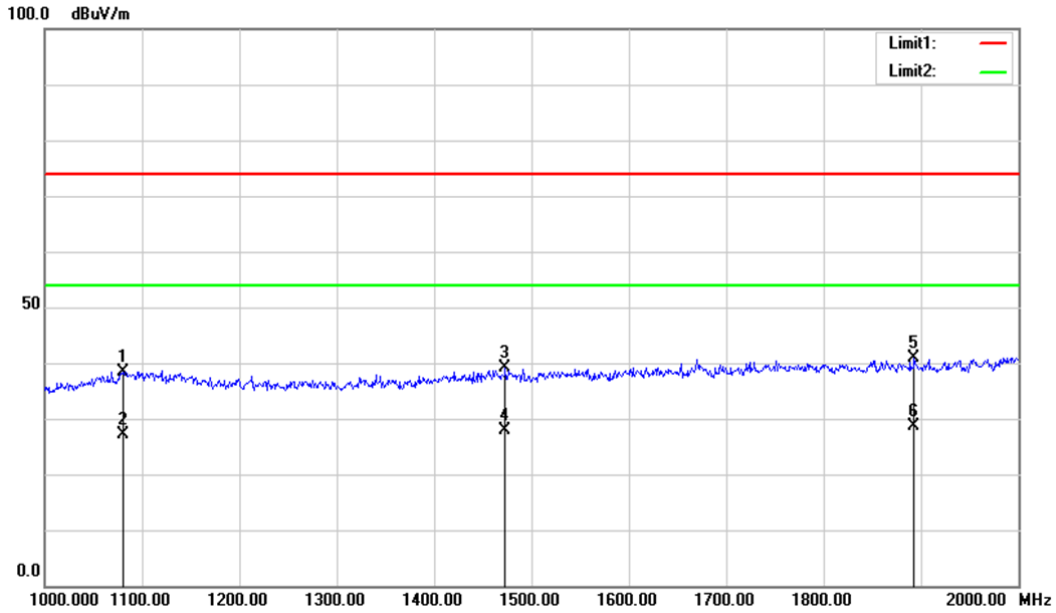
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	32.179	28.09	-5.46	22.63	40.00	17.37	Peak
2	98.142	31.61	-15.02	16.59	43.50	26.91	Peak
3	130.379	31.49	-11.57	19.93	43.50	23.57	Peak
4	224.519	31.25	-13.03	18.22	46.00	27.78	Peak
5	552.883	28.93	-5.95	22.98	46.00	23.02	Peak
6	965.542	28.23	0.01	28.23	54.00	25.77	Peak

Condition:	FCC Part 15B Class B	**Polarization:**	vertical
EUT:	Emergency Radio	**Power:**	DC5V from adapter input AC120V/60Hz
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 12: charging		
Note:			



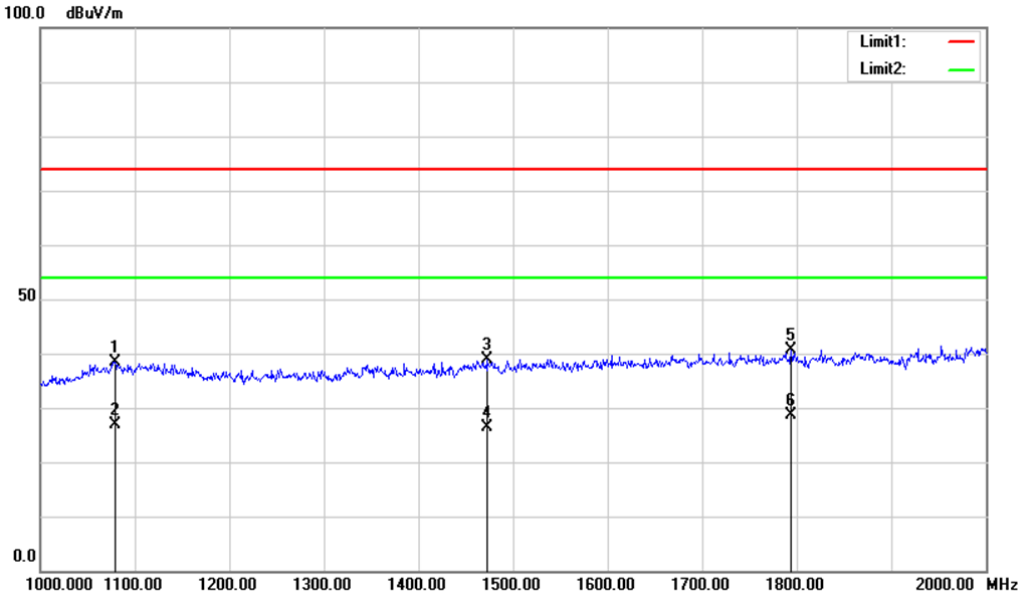
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	32.520	33.59	-5.74	27.86	40.00	12.14	Peak
2	48.332	39.45	-16.43	23.02	40.00	16.98	Peak
3	131.297	29.91	-11.61	18.30	43.50	25.20	Peak
4	210.786	28.73	-12.63	16.10	43.50	27.40	Peak
5	517.248	29.20	-6.07	23.13	46.00	22.87	Peak
6	890.728	29.18	-1.39	27.79	46.00	18.21	Peak

Condition:	FCC Part 15B Class B	**Polarization:**	Horizontal
EUT:	Emergency Radio	**Power:**	DC 3.7V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 1: Charge load by USB out port		
Note:			



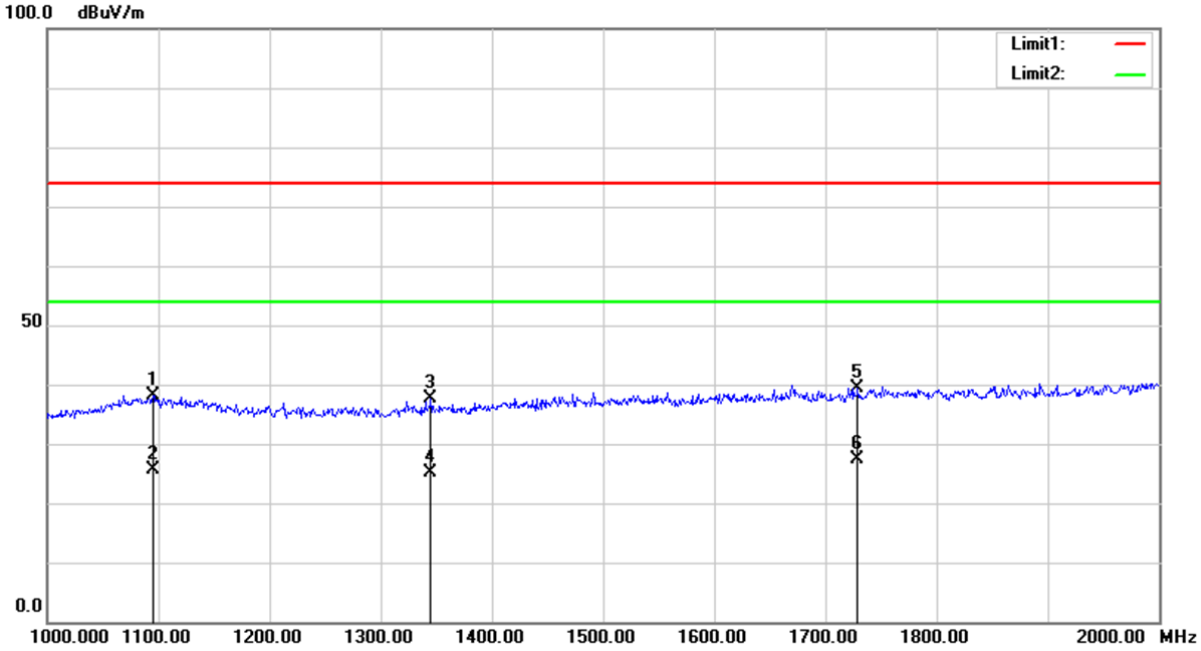
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1081.500	39.06	peak	-0.67	38.39	74.00	35.61
2	1081.500	27.89	AVG	-0.67	27.22	54.00	26.78
3	1473.000	38.21	peak	0.97	39.18	74.00	34.82
4	1473.000	26.94	AVG	0.97	27.91	54.00	26.09
5	1893.500	38.45	peak	2.34	40.79	74.00	33.21
6	1893.500	26.23	AVG	2.34	28.57	54.00	25.43

Condition:	FCC Part 15B Class B	**Polarization:**	Vertical
EUT:	Emergency Radio	**Power:**	DC 3.7V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 1: Charge load by USB out port		
Note:			



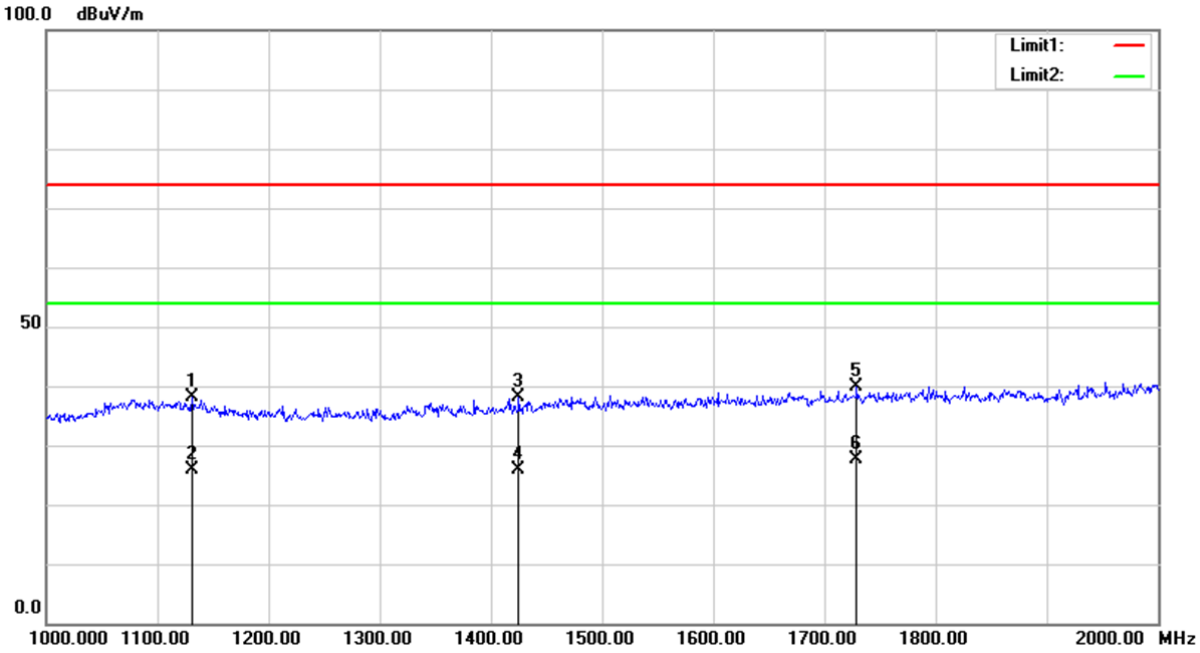
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1079.500	39.08	peak	-0.68	38.40	74.00	35.60
2	1079.500	27.66	QP	-0.68	26.98	74.00	47.02
3	1473.500	37.91	peak	0.98	38.89	74.00	35.11
4	1473.500	25.30	AVG	0.98	26.28	54.00	27.72
5	1794.000	38.20	peak	2.31	40.51	74.00	33.49
6	1794.000	26.39	AVG	2.31	28.70	54.00	25.30

Condition:	FCC Part 15B Class B	**Polarization:**	Horizontal
EUT:	Emergency Radio	**Power:**	DC 3.7V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 3: WB receive—middle channel		
Note:			



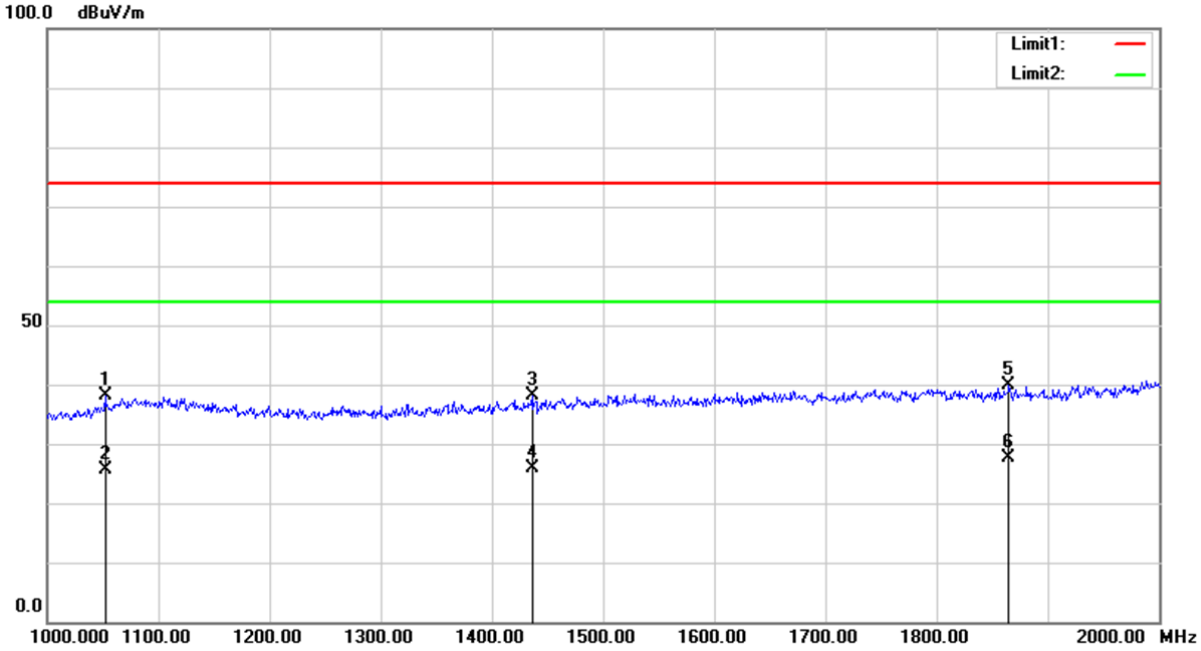
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1095.500	38.78	peak	-0.65	38.13	74.00	35.87
2	1095.500	26.35	AVG	-0.65	25.70	54.00	28.30
3	1345.500	37.42	peak	0.09	37.51	74.00	36.49
4	1345.500	25.12	AVG	0.09	25.21	54.00	28.79
5	1729.500	37.49	peak	1.99	39.48	74.00	34.52
6	1729.500	25.41	AVG	1.99	27.40	54.00	26.60

Condition:	FCC Part 15B Class B	**Polarization:**	Vertical
EUT:	Emergency Radio	**Power:**	DC 3.7V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 3: WB receive—middle channel		
Note:			



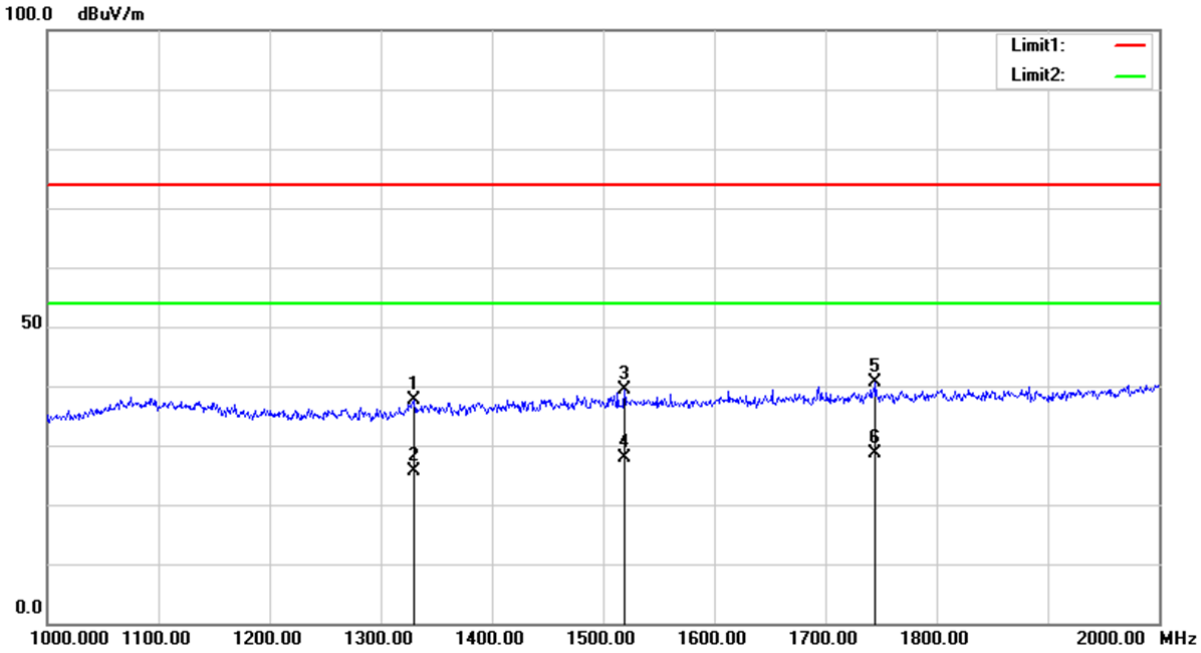
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1131.000	38.56	peak	-0.54	38.02	74.00	35.98
2	1131.000	26.37	AVG	-0.54	25.83	54.00	28.17
3	1425.500	37.59	peak	0.53	38.12	74.00	35.88
4	1425.500	25.45	AVG	0.53	25.98	54.00	28.02
5	1729.500	37.94	peak	1.99	39.93	74.00	34.07
6	1729.500	25.69	AVG	1.99	27.68	54.00	26.32

Condition:	FCC Part 15B Class B	**Polarization:**	Horizontal
EUT:	Emergency Radio	**Power:**	DC 3.7V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 7: AM receive—bottom channel		
Note:			



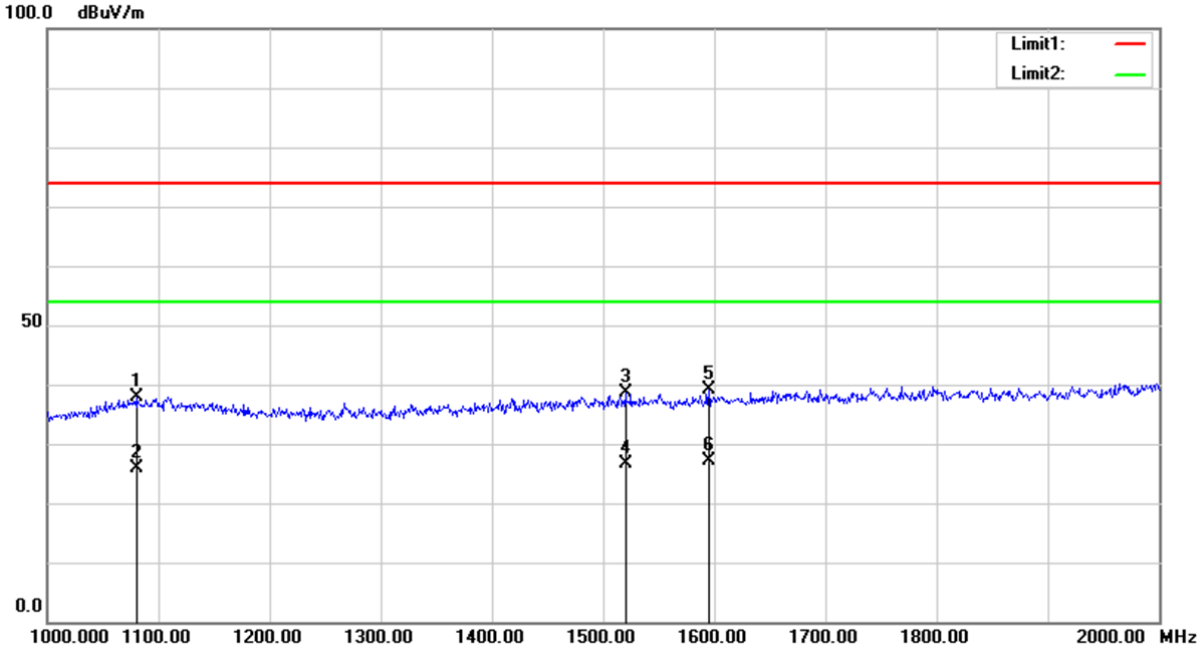
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1052.000	38.79	peak	-0.76	38.03	74.00	35.97
2	1052.000	26.36	AVG	-0.76	25.60	54.00	28.40
3	1436.000	37.59	peak	0.62	38.21	74.00	35.79
4	1436.000	25.32	AVG	0.62	25.94	54.00	28.06
5	1865.000	37.45	peak	2.34	39.79	74.00	34.21
6	1865.000	25.32	AVG	2.34	27.66	54.00	26.34

Condition:	FCC Part 15B Class B	**Polarization:**	Vertical
EUT:	Emergency Radio	**Power:**	DC 3.7V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 7: AM receive—bottom channel		
Note:			



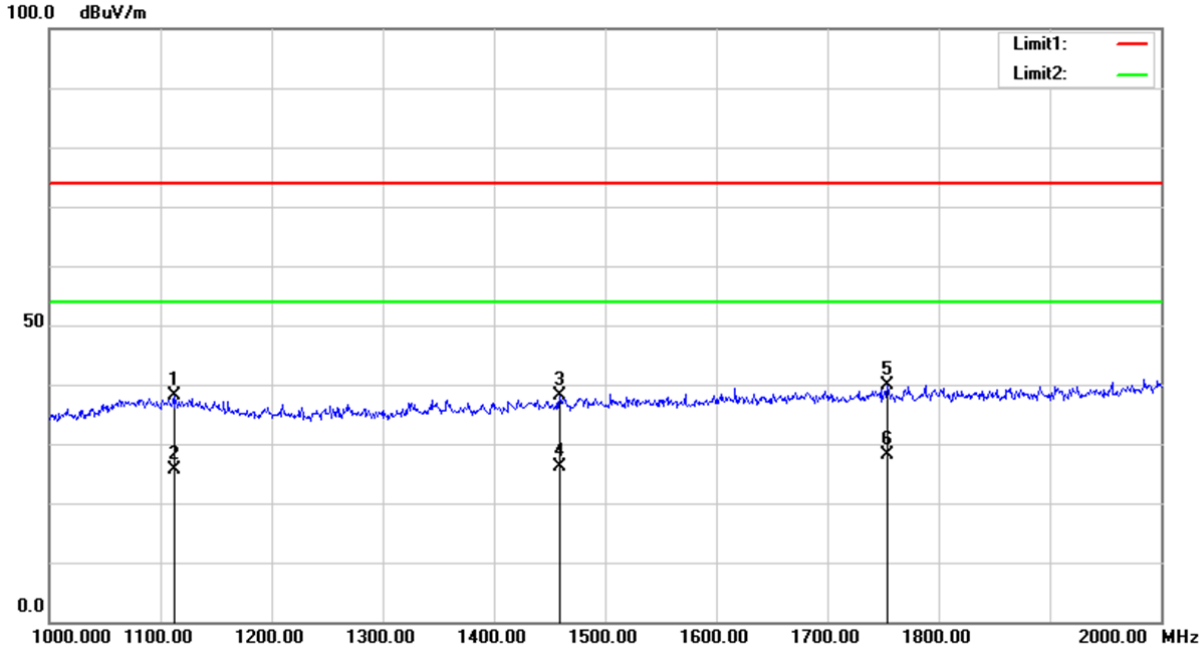
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1330.500	37.70	peak	0.04	37.74	74.00	36.26
2	1330.500	25.61	AVG	0.04	25.65	54.00	28.35
3	1519.000	38.03	peak	1.27	39.30	74.00	34.70
4	1519.000	26.52	AVG	1.27	27.79	54.00	26.21
5	1745.000	38.44	peak	2.07	40.51	74.00	33.49
6	1745.000	26.67	AVG	2.07	28.74	54.00	25.26

Condition:	FCC Part 15B Class B	**Polarization:**	Horizontal
EUT:	Emergency Radio	**Power:**	DC 3.7V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 8: FM receive—top channel		
Note:			



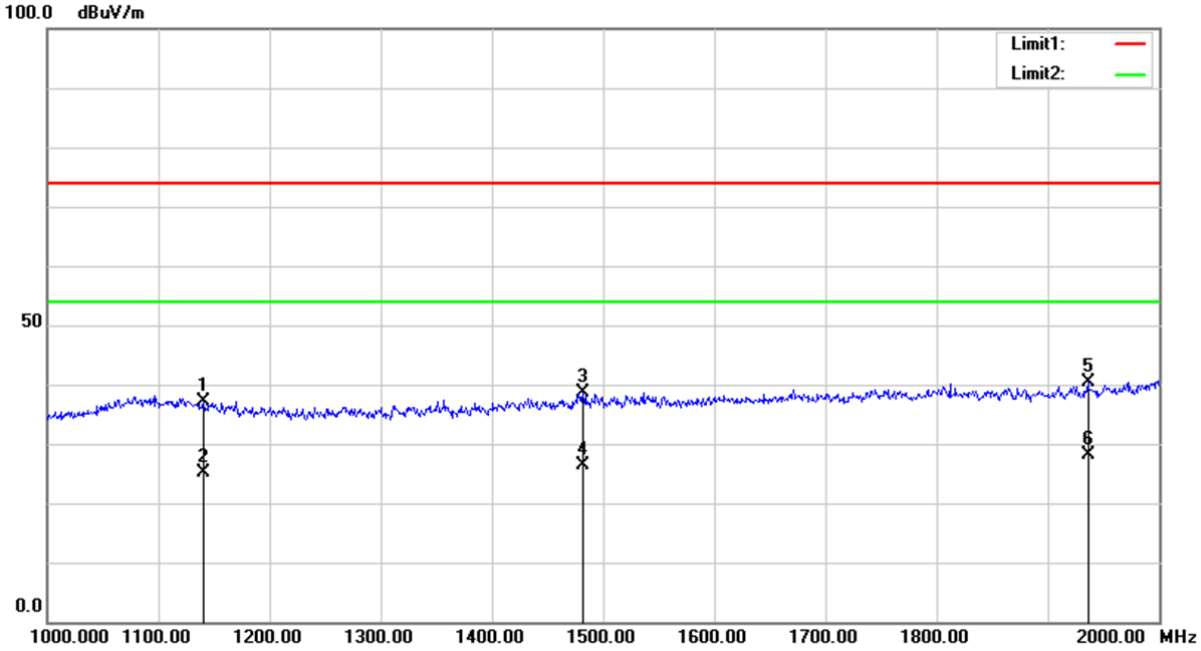
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1080.000	38.53	peak	-0.68	37.85	74.00	36.15
2	1080.000	26.65	AVG	-0.68	25.97	54.00	28.03
3	1520.500	37.31	peak	1.28	38.59	74.00	35.41
4	1520.500	25.36	AVG	1.28	26.64	54.00	27.36
5	1595.000	37.67	peak	1.43	39.10	74.00	34.90
6	1595.000	25.58	AVG	1.43	27.01	54.00	26.99

Condition:	FCC Part 15B Class B	**Polarization:**	Vertical
EUT:	Emergency Radio	**Power:**	DC 3.7V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 8: FM receive—top channel		
Note:			



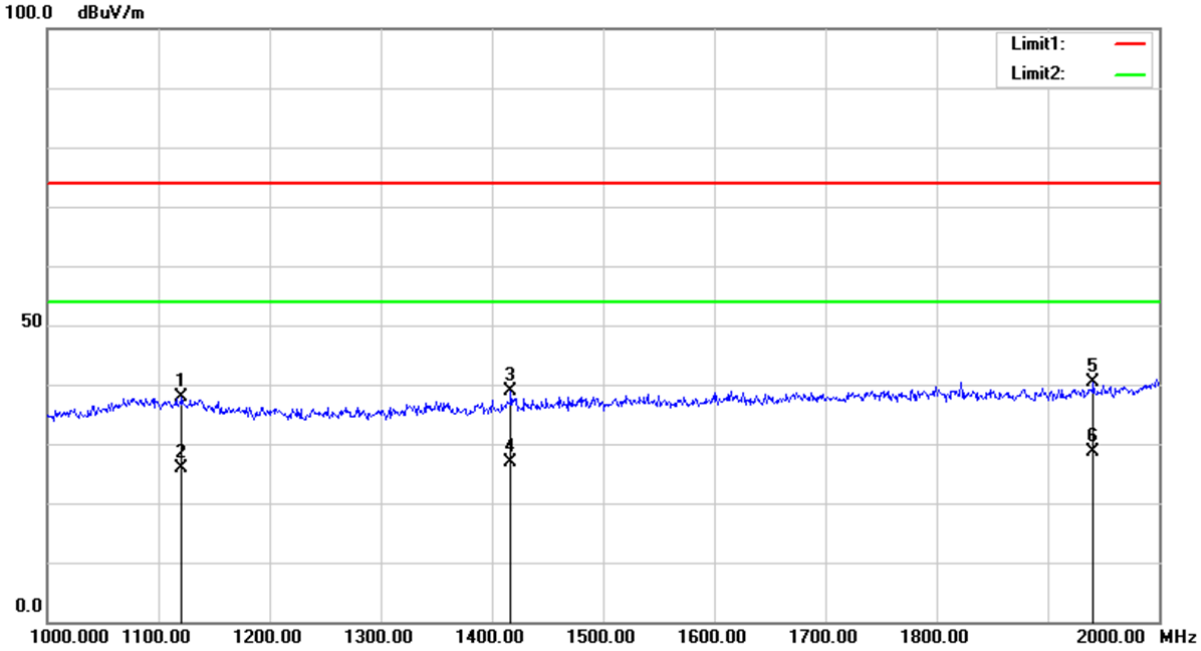
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1112.500	38.79	peak	-0.60	38.19	74.00	35.81
2	1112.500	26.35	AVG	-0.60	25.75	54.00	28.25
3	1459.500	37.33	peak	0.84	38.17	74.00	35.83
4	1459.500	25.34	AVG	0.84	26.18	54.00	27.82
5	1754.000	37.80	peak	2.12	39.92	74.00	34.08
6	1754.000	25.98	AVG	2.12	28.10	54.00	25.90

Condition:	FCC Part 15B Class B	**Polarization:**	Horizontal
EUT:	Emergency Radio	**Power:**	DC 4.5V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 11: SOS		
Note:			



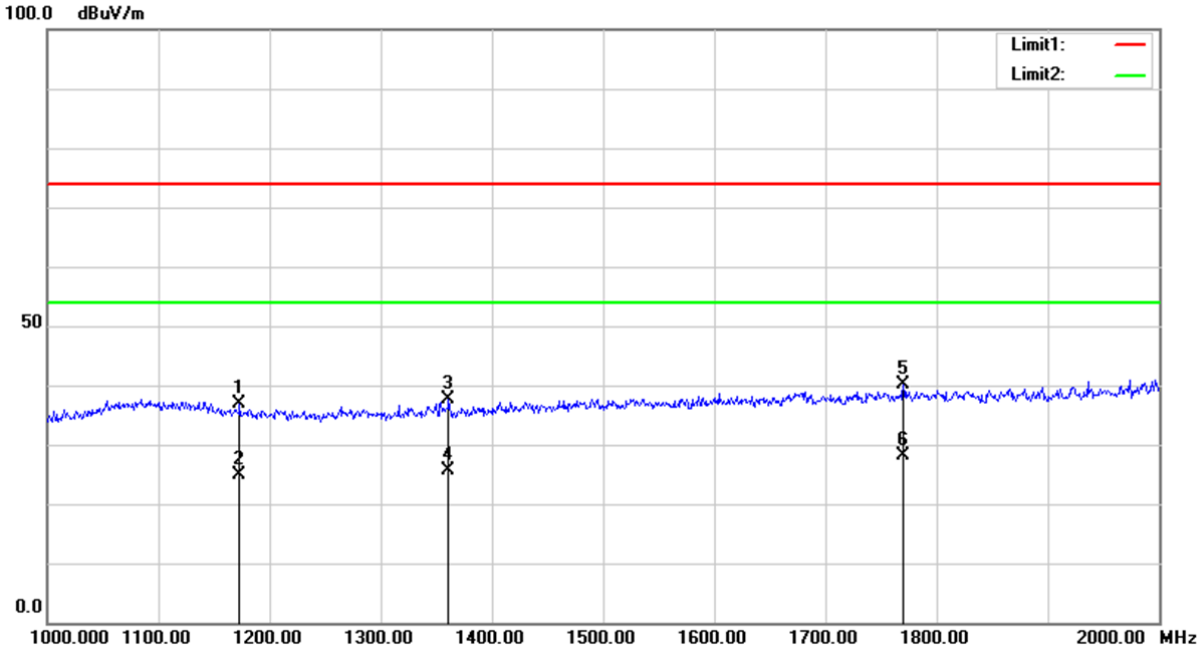
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1140.500	37.60	peak	-0.51	37.09	74.00	36.91
2	1140.500	25.69	AVG	-0.51	25.18	54.00	28.82
3	1482.000	37.46	peak	1.06	38.52	74.00	35.48
4	1482.000	25.32	AVG	1.06	26.38	54.00	27.62
5	1936.000	37.66	peak	2.83	40.49	74.00	33.51
6	1936.000	25.24	AVG	2.83	28.07	54.00	25.93

Condition:	FCC Part 15B Class B	**Polarization:**	Vertical
EUT:	Emergency Radio	**Power:**	DC 4.5V
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 11: SOS		
Note:			



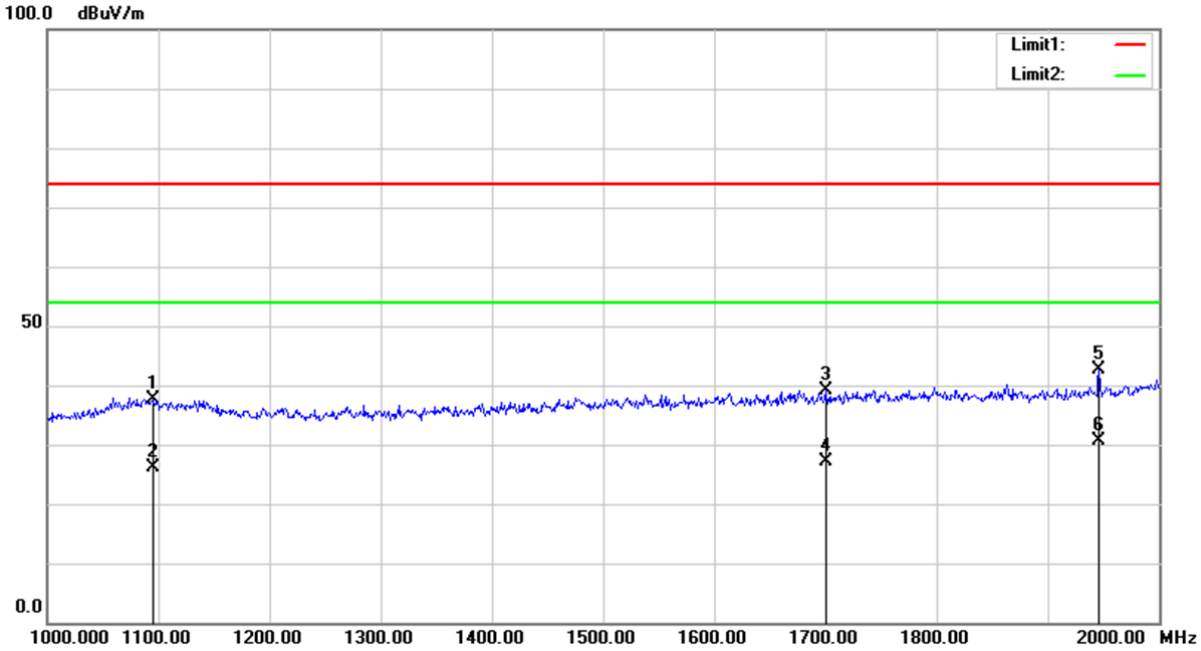
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1121.000	38.44	peak	-0.57	37.87	74.00	36.13
2	1121.000	26.38	AVG	-0.57	25.81	54.00	28.19
3	1417.000	38.40	peak	0.44	38.84	74.00	35.16
4	1417.000	26.54	AVG	0.44	26.98	54.00	27.02
5	1941.500	37.44	peak	2.90	40.34	74.00	33.66
6	1941.500	25.61	AVG	2.90	28.51	54.00	25.49

Condition:	FCC Part 15B Class B	**Polarization:**	Horizontal
EUT:	Emergency Radio	**Power:**	DC5V from adapter input AC120V/60Hz
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 12: charging		
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1173.000	37.25	peak	-0.42	36.83	74.00	37.17
2	1173.000	25.34	AVG	-0.42	24.92	54.00	29.08
3	1361.000	37.42	peak	0.15	37.57	74.00	36.43
4	1361.000	25.36	AVG	0.15	25.51	54.00	28.49
5	1770.500	38.02	peak	2.20	40.22	74.00	33.78
6	1770.500	26.03	AVG	2.20	28.23	54.00	25.77

Condition:	FCC Part 15B Class B	**Polarization:**	Vertical
EUT:	Emergency Radio	**Power:**	DC5V from adapter input AC120V/60Hz
Model:	TR627	**Distance:**	3m
Test Mode:	Mode 12: charging		
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1095.500	38.21	peak	-0.65	37.56	74.00	36.44
2	1095.500	26.85	AVG	-0.65	26.20	54.00	27.80
3	1700.500	37.33	peak	1.85	39.18	74.00	34.82
4	1700.500	25.26	AVG	1.85	27.11	54.00	26.89
5	1946.000	39.63	peak	2.96	42.59	74.00	31.41
6	1946.000	27.59	AVG	2.96	30.55	54.00	23.45

*******END OF REPORT*******