

FCC Test Report

Product Name	MOBILE DEVICE 5
Model No.	DC-MD5-01
FCC ID.	PXT-DC-MD5-01

Applicant	MobileHelp, LLC
Address	5050 Conference Way N, Suite 125, Boca Raton, Florida 33431, United States

Date of Receipt	Apr. 07, 2020
Issued Date	Jun. 16, 2020
Report No.	2040133R-E3032700104
Report Version	V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF or any agency of the government.

The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Test Report

Issued Date : Jun. 16, 2020

Report No. : 2040133R-E3032700104



Product Name	MOBILE DEVICE 5
Applicant	MobileHelp, LLC
Address	5050 Conference Way N, Suite 125, Boca Raton, Florida 33431, United States
Manufacturer	Daviscomms (Malaysia) Sdn Bhd
Model No.	DC-MD5-01
FCC ID.	PXT-DC-MD5-01
EUT Rated Voltage	DC 3.7V(Power by Battery)
EUT Test Voltage	DC 3.7V(Power by Battery)
Trade Name	MobileHelp
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2018 ANSI C63.4: 2014, ANSI C63.10: 2013
Test Result	Complied

Documented By : Peggy Tu
(Adm. Assistant / Peggy Tu)

Tested By : Boris Hsu
(Engineer / Boris Hsu)

Approved By : Vincent Lin
(Director / Vincent Lin)

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Attachment 1: EUT Test Photographs

Attachment 2: EUT Detailed Photographs

1. General Information

1.1. EUT Description

Product Name	MOBILE DEVICE 5
Trade Name	MobileHelp
Model No.	DC-MD5-01
FCC ID	PXT-DC-MD5-01
Frequency Range	433.92MHz
Number of Channels	1
Type of Modulation	ASK

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	GA	ANT-000045-0-1	PIFA Antenna	-18.7dBi for 433MHz

Frequency of Each Channel:

Channel	Frequency
Channel 1:	433.92 MHz

Note:

1. The EUT is a MOBILE DEVICE 5 with a built-in 433.92 MHz transceiver.
2. The antenna of EUT is conform to FCC 15.203
3. These tests are conducted on a sample for the purpose of demonstrating compliance with Part 15 Subpart C Paragraph 15.231.
4. The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.

Test Mode	Mode 1: Transmit
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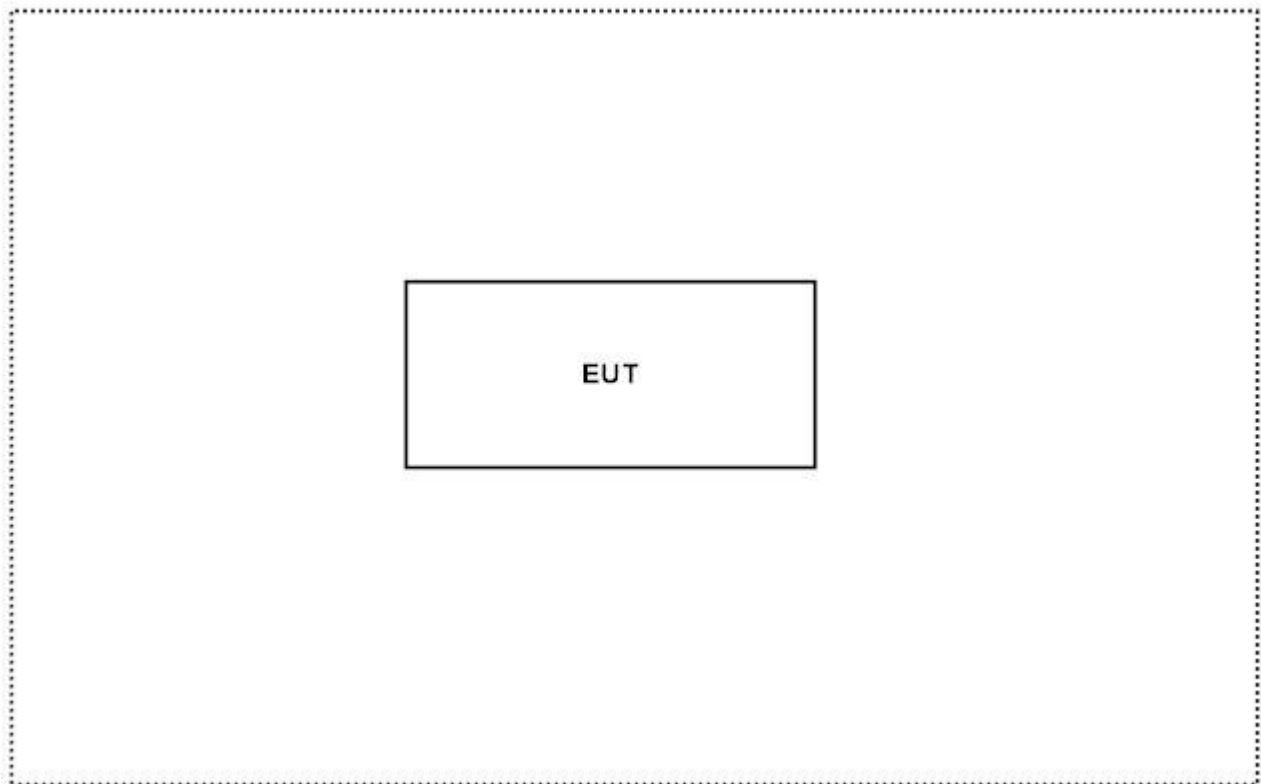
1.3. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product	Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
N/A					

Signal Cable Type	Signal Cable Description
N/A	

1.4. Configuration of tested System



1.5. EUT Exercise Software

1	Setup the EUT as shown in section 1.4.
2	Install the battery.
3	Start transmits continually.
4	Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

Performed Item	Items	Required	Actual
Radiated Emission	Temperature (°C)	10~40 °C	21°C
	Humidity (%RH)	10~90 %	71%

USA : FCC Registration Number: TW3023

Canada : IC Registration Number: 4075A

Site Description: Accredited by TAF
Accredited Number: 3023

Test Laboratory: DEKRA Testing and Certification Co., Ltd
Address: No.5-22, Ruishukeng, Linkou Dist., New Taipei City 24451,
Taiwan, R.O.C.

Phone number: 886-2-8601-3788

Fax number: 886-2-8601-3789

Email address: info.tw@dekra.com

Website: <http://www.dekra.com.tw>

1.7. List of Test Equipment

For Conducted measurements /CB3/SR8

	Equipment	Manufacturer	Model No.	Serial No.	Cali. Date	Due. Date
	Temperature Chamber	WIT GROUP	TH-1S-B	EQ-201-00146	2020/04/06	2021/04/05
	Spectrum Analyzer	Agilent	N9010A	MY53470892	2019/09/25	2020/09/24
	Peak Power Analyzer	Keysight	8990B	MY51000410	2019/07/30	2020/07/29
	Wideband Power Sensor	Keysight	N1923A	MY56080003	2019/07/30	2020/07/29
	Wideband Power Sensor	Keysight	N1923A	MY56080004	2019/07/30	2020/07/29
	EMI Test Receiver	R&S	ESCS 30	100369	2019/11/19	2020/11/18
	LISN	R&S	ENV216	101105	2020/04/09	2021/04/08
	LISN	R&S	ESH3-Z5	836679/014	2020/04/09	2021/04/08
	Coaxial Cable	DEKRA	RG 400	LC018-RG	2019/06/20	2020/06/19

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with "X" are used to measure the final test results.
3. Test Software version : DEKRA Conduction Test SystemV9.0.5.

For Radiated measurements /Site3/CB8

	Equipment	Manufacturer	Model No.	Serial No.	Cali. Date	Due. Date
X	Test Receiver	R&S	ESR7	101602	2019/12/16	2020/12/15
X	Signal Analyzer	R&S	FSV40	101869	2019/07/04	2020/07/03
X	Loop Antenna	Teseq	HLA6121	37133	2019/10/15	2021/10/14
X	Bilog Antenna	Schaffner Chase	CBL6112B	2916	2020/01/20	2021/01/19
X	Coaxial Cable	DEKRA	L1907-001C	280280.F141.1000D	2019/07/10	2020/07/09
X	Amplifier	EMCI	EMC001330	980254	2019/08/22	2020/08/21
X	Horn Antenna	ETS-LINDGREN	3117	00228113	2020/05/01	2021/04/30
X	Coaxial Cable	DEKRA	L1907-002C	280280.F141.1000D	2019/07/10	2020/07/09
X	Amplifier	EMCI	EMC05820SE	980362	2019/06/26	2020/06/25
X	Amplifier	EMCI	EMC051845SE	980632	2019/08/08	2020/08/07
	Horn Antenna	Com-Power	AH-1840	101101	2019/10/31	2020/10/30
	Amplifier + Cable	EMCI	EMC184045SE	980369	2020/04/24	2021/04/23
	Bilog Antenna	Schaffner Chase	CBL6112B	2925	2020/02/20	2021/02/19
	Coaxial Cable	DEKRA	L1907-003C	00100A1B3A120M	2019/07/10	2020/07/09
	Amplifier	EMCI	EMC001330	980255	2020/03/17	2021/03/16
	Filter	MICRO-TRONICS	BRM50702	G270	2019/08/08	2020/08/07
	Filter	MICRO-TRONICS	BRM50716	G196	2019/08/08	2020/08/07

Note:

1. Loop Antenna is calibrated every two years, the other equipments are calibrated every one year.
2. The test instruments marked with "X" are used to measure the final test results.
3. Test Software version : DEKRA Test SystemV1.1.

1.8. Uncertainty

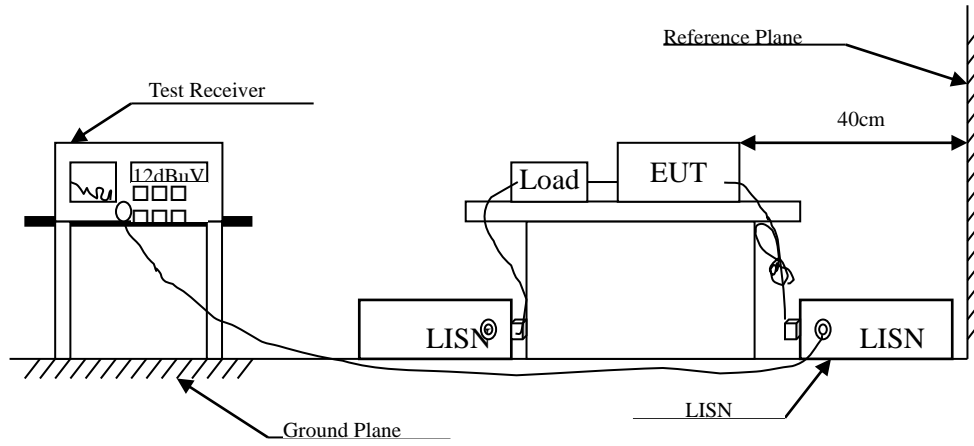
Uncertainties have been calculated according to the DEKRA internal document, and is described in each test chapter of this report.

The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

2. Conducted Emission

2.1. Test Setup



2.2. Limits

FCC Part 15 Subpart C Paragraph 15.207 Limits (dBuV)		
Frequency MHz	QP	AV
0.15 - 0.50	66-56	56-46
0.50-5.0	56	46
5.0 - 30	60	50

Remarks : In the above table, the tighter limit applies at the band edges.

2.3. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement.

Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

2.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.231

2.5. Uncertainty

± 2.26 dB

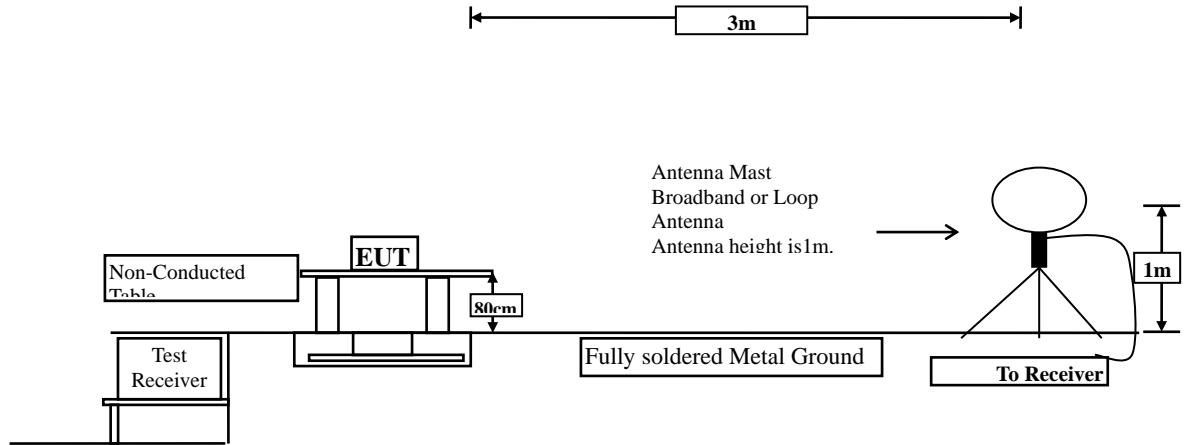
2.6. Test Result

Owing to the DC operation of EUT, this test item is not performed.

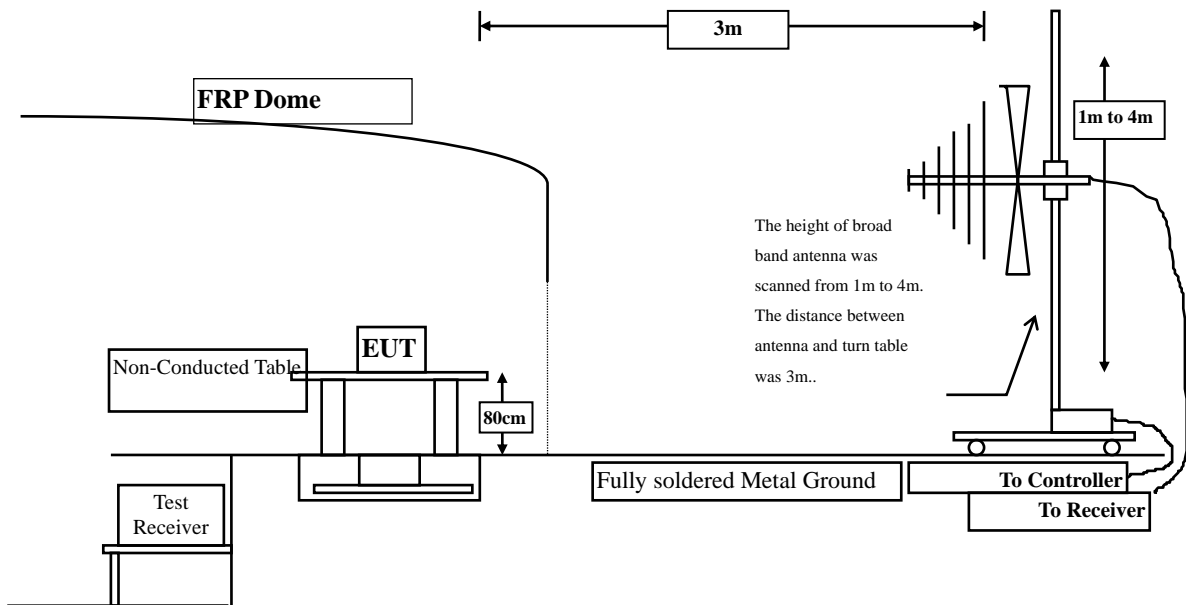
3. Radiated Emission

3.1. Test Setup

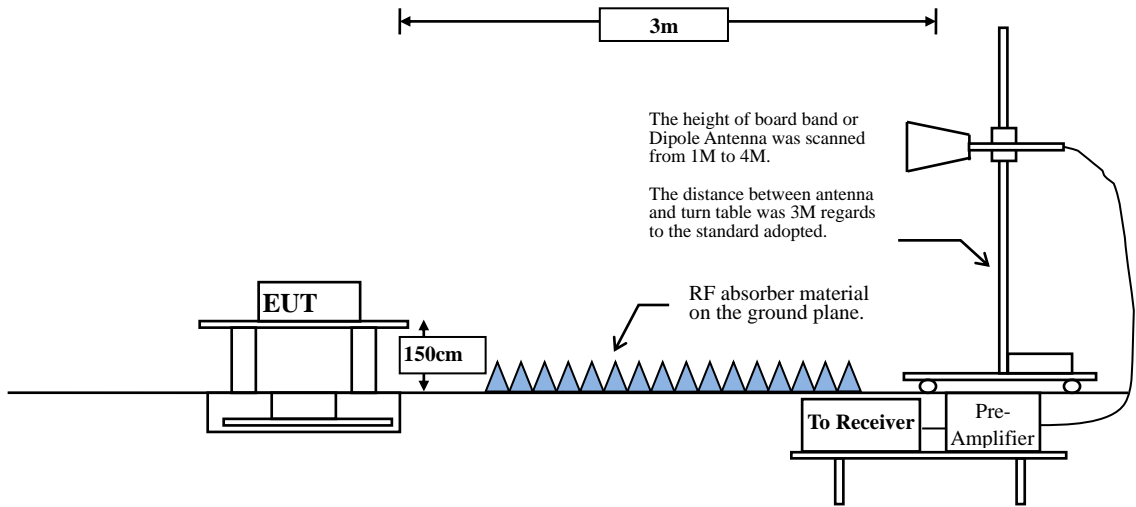
Radiated Emission Under 30MHz



Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



3.2. Limits

➤ Fundamental and Harmonics Emission Limits

FCC Part 15 Subpart C Paragraph 15.231(b) Limits		
Fundamental Frequency MHz	Field Strength of Fundamental	Field Strength of Spurious Emission
40.66-40.70	2250	225
70-130	1250	125
130-174	1250-3750	125-375
174-260	3750	375
260-470	3750-12500	375-1250
above 470	12500	1250

- Remarks :
1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
 2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
 3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

➤ Spurious electric field strength limits

FCC Part 15 Subpart C Paragraph 15.209 Limits			
Frequency MHz	uV/m	dBuV/m	Measurement distance (meter)
0.009-0.490	2400/F(kHz)	See Remark ¹	300
0.490-1.705	24000/F(kHz)	See Remark ¹	30
1.705-30	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

- Remarks :
1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
 2. In the Above Table, the tighter limit applies at the band edges.
 3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3.3. Test Procedure

Measuring the frequency range below 1GHz, the EUT is placed on a turn table which is 0.8 meter above ground, when measuring the frequency range above 1GHz, the EUT is placed on a turn table which is 1.5 meter above ground.

The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The turn table is rotated 360 degrees to determine the position of the maximum emission level.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

The resolution bandwidth below 30MHz setting on the field strength meter is 9kHz and 30MHz~1GHz is 120kHz and above 1GHz is 1MHz.

Radiated emission measurements below 30MHz are made using Loop Antenna and 30MHz~1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna. The measurement frequency range from 9kHz - 10th Harmonic of fundamental was investigated.

3.4. Uncertainty

± 4.08 dB above 1GHz

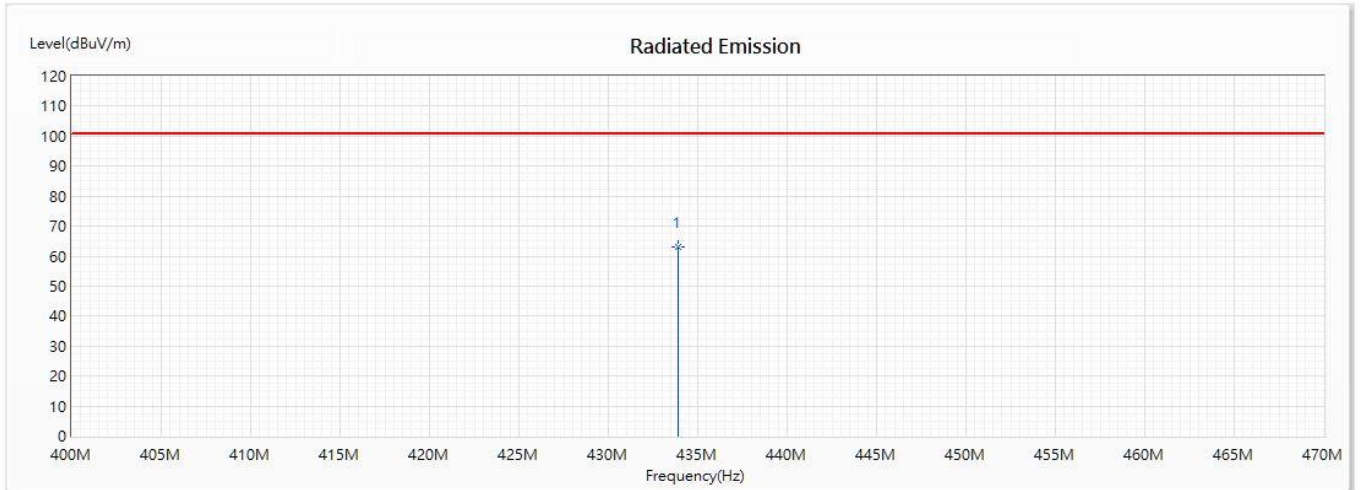
± 4.22 dB below 1GHz

3.5. Test Result

Product	MOBILE DEVICE 5		
Test Item	Fundamental Radiated Emission		
Test Mode	Mode 1: Transmit		
Date of Test	2020/04/22	Test Site	No.3 OATS

Fundamental Power (X-Line)

Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
* 1	433.92	63.25	100.83	-37.58	67.27	-4.02	PK

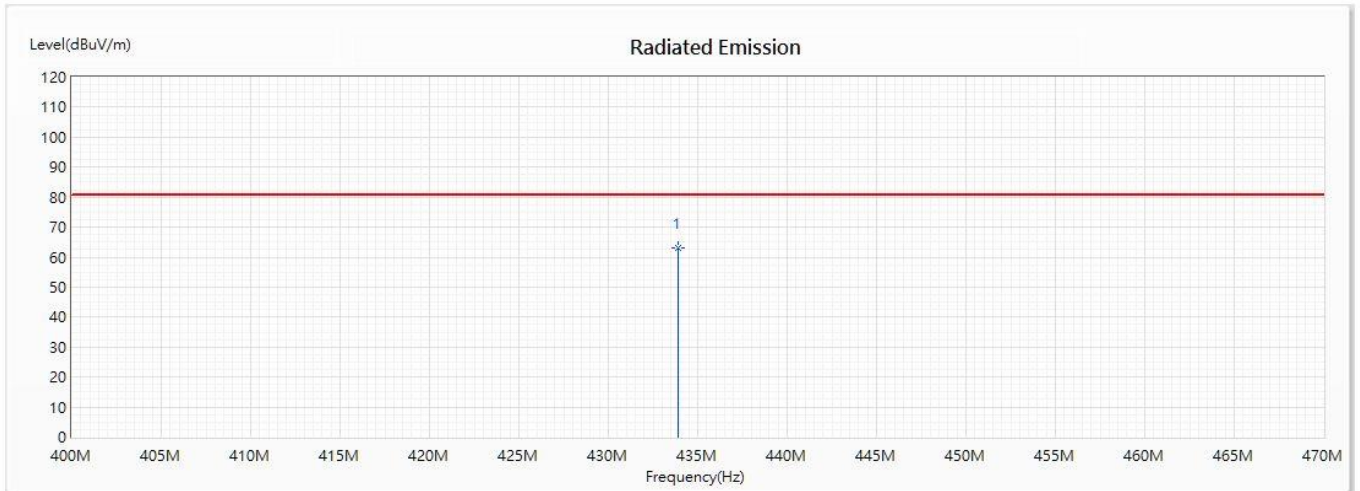
Note:

1. Measurement Level = Reading Level + Correct Factor
2. Average Limit=20log(10996.67)=80.83 dBuV 、 Peak Limit=100.83 dBuV

Product	MOBILE DEVICE 5		
Test Item	Fundamental Radiated Emission		
Test Mode	Mode 1: Transmit		
Date of Test	2020/04/22	Test Site	No.3 OATS

Fundamental Power (X-Line)

Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
* 1	433.92	63.06	80.83	-17.77	67.08	-4.02	AV

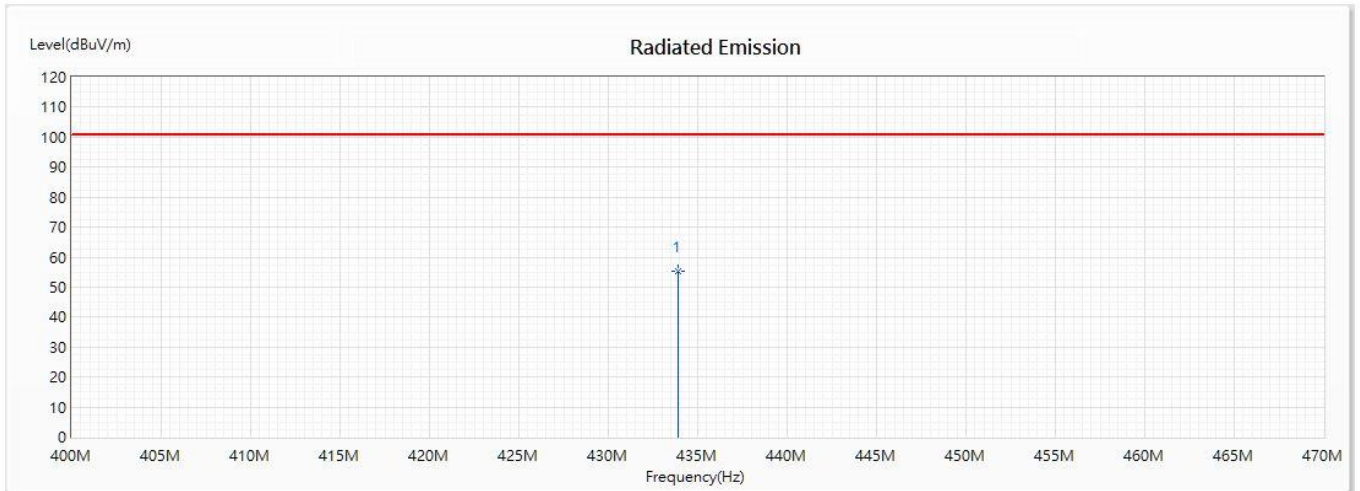
Note:

1. Measurement Level = Reading Level + Correct Factor
2. Average Limit=20log(10996.67)=80.83 dBuV 、 Peak Limit=100.83 dBuV

Product	MOBILE DEVICE 5		
Test Item	Fundamental Radiated Emission		
Test Mode	Mode 1: Transmit		
Date of Test	2020/04/22	Test Site	No.3 OATS

Fundamental Power (X-Line)

Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
* 1	433.92	55.16	100.83	-45.67	59.18	-4.02	PK

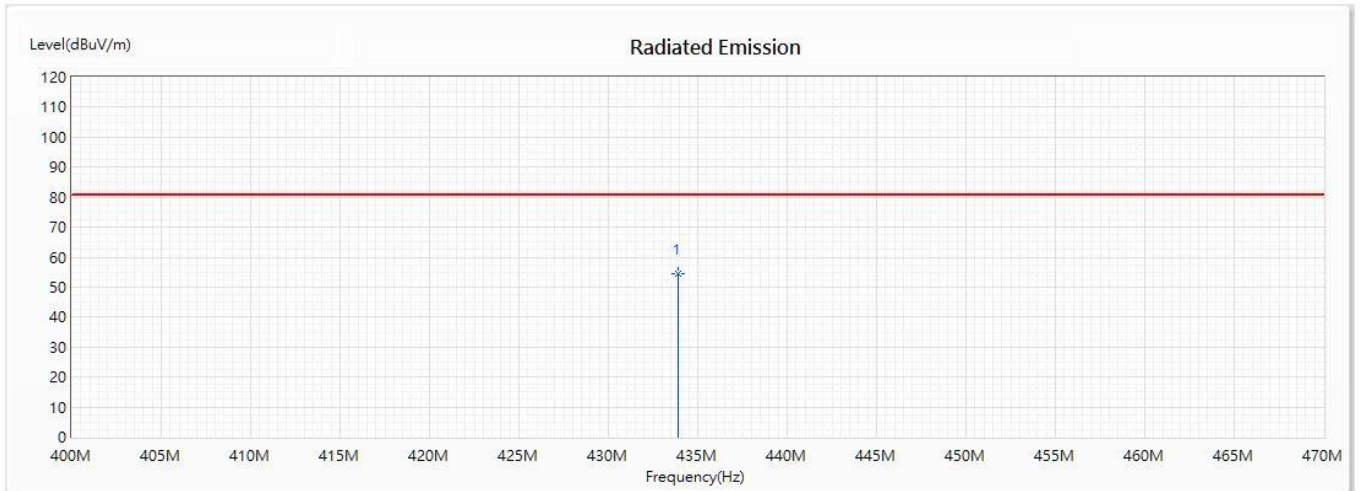
Note:

1. Measurement Level = Reading Level + Correct Factor
2. Average Limit=20log(10996.67)=80.83 dBuV 、 Peak Limit=100.83 dBuV

Product	MOBILE DEVICE 5		
Test Item	Fundamental Radiated Emission		
Test Mode	Mode 1: Transmit		
Date of Test	2020/04/22	Test Site	No.3 OATS

Fundamental Power (X-Line)

Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
* 1	433.92	54.67	80.83	-26.16	58.69	-4.02	AV

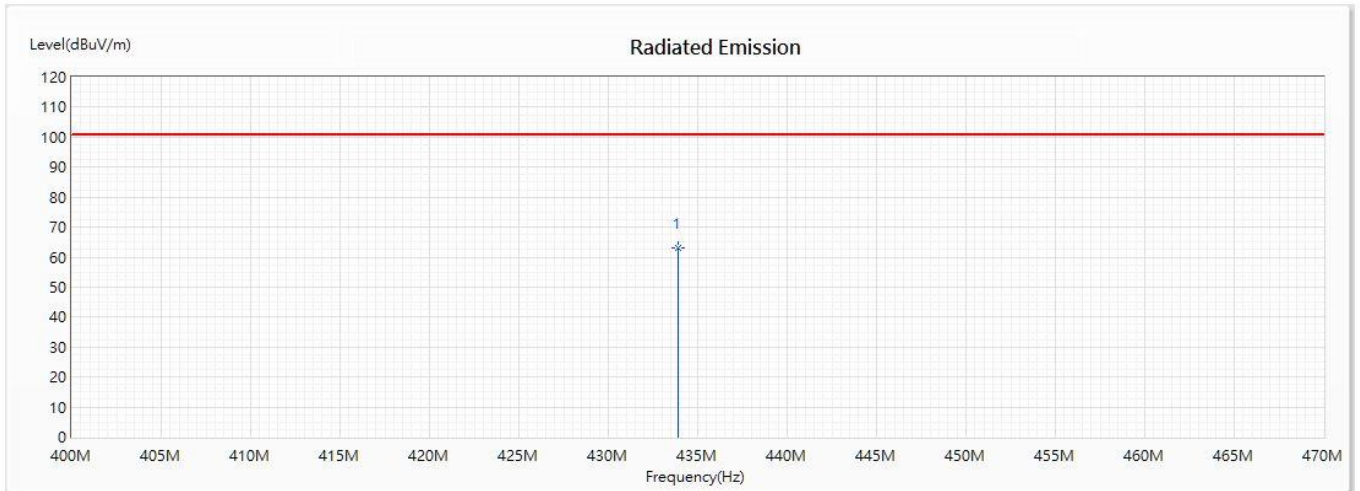
Note:

1. Measurement Level = Reading Level + Correct Factor
2. Average Limit=20log(10996.67)=80.83 dBuV 、 Peak Limit=100.83 dBuV

Product	MOBILE DEVICE 5		
Test Item	Fundamental Radiated Emission		
Test Mode	Mode 1: Transmit		
Date of Test	2020/04/22	Test Site	No.3 OATS

Fundamental Power (Y-Line)

Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
* 1	433.92	62.96	100.83	-37.87	66.98	-4.02	PK

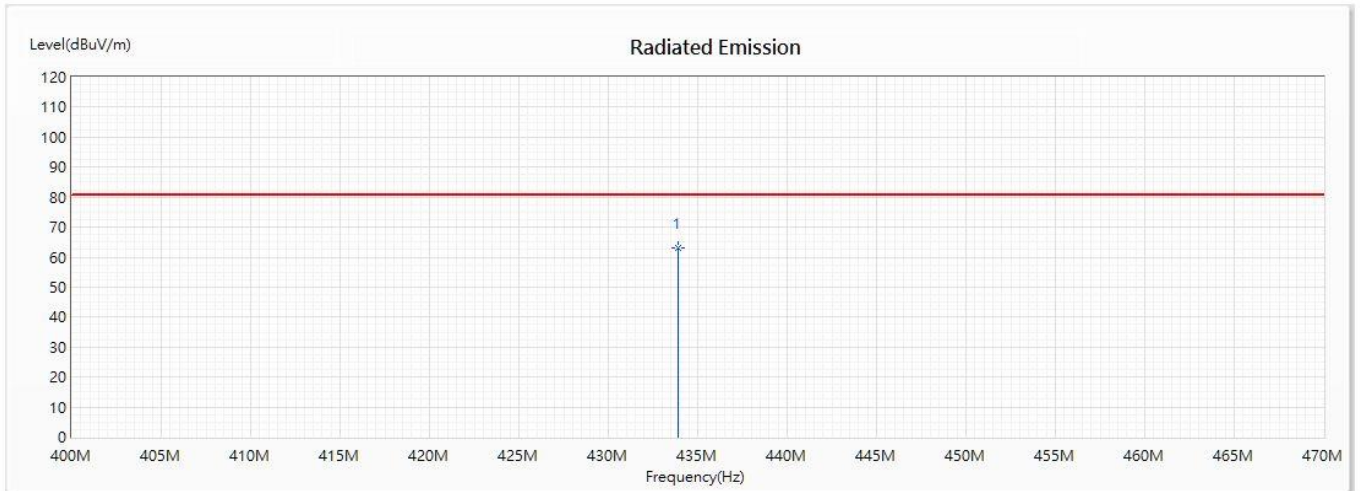
Note:

1. Measurement Level = Reading Level + Correct Factor
2. Average Limit=20log(10996.67)=80.83 dBuV 、 Peak Limit=100.83 dBuV

Product	MOBILE DEVICE 5		
Test Item	Fundamental Radiated Emission		
Test Mode	Mode 1: Transmit		
Date of Test	2020/04/22	Test Site	No.3 OATS

Fundamental Power (Y-Line)

Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
* 1	433.92	62.88	80.83	-17.95	66.90	-4.02	AV

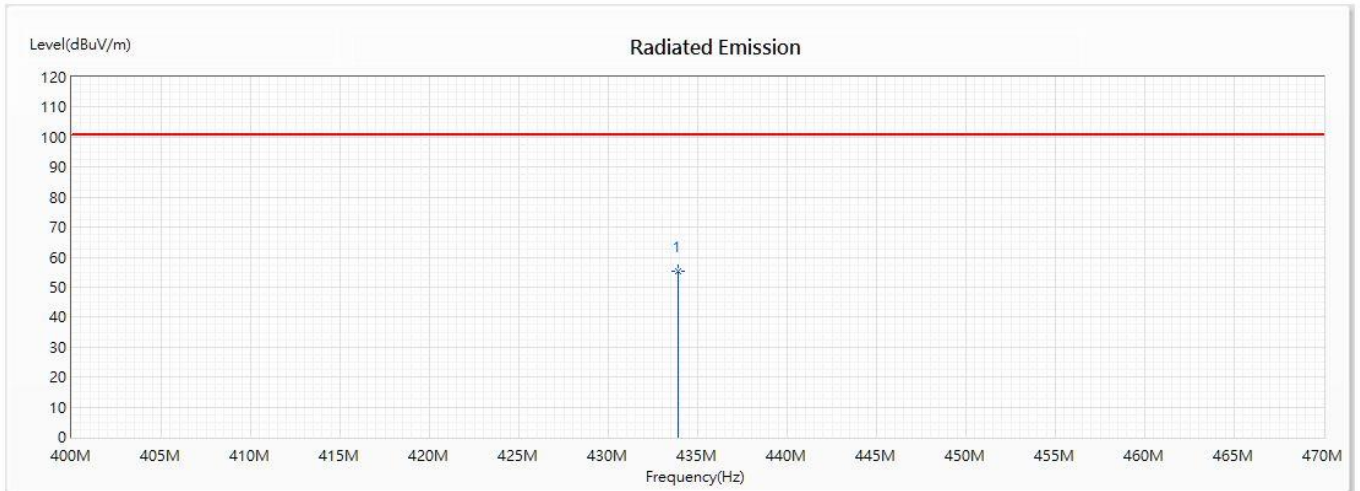
Note:

1. Measurement Level = Reading Level + Correct Factor
2. Average Limit=20log(10996.67)=80.83 dBuV 、 Peak Limit=100.83 dBuV

Product	MOBILE DEVICE 5		
Test Item	Fundamental Radiated Emission		
Test Mode	Mode 1: Transmit		
Date of Test	2020/04/22	Test Site	No.3 OATS

Fundamental Power (Y-Line)

Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
* 1	433.92	55.27	100.83	-45.56	59.29	-4.02	PK

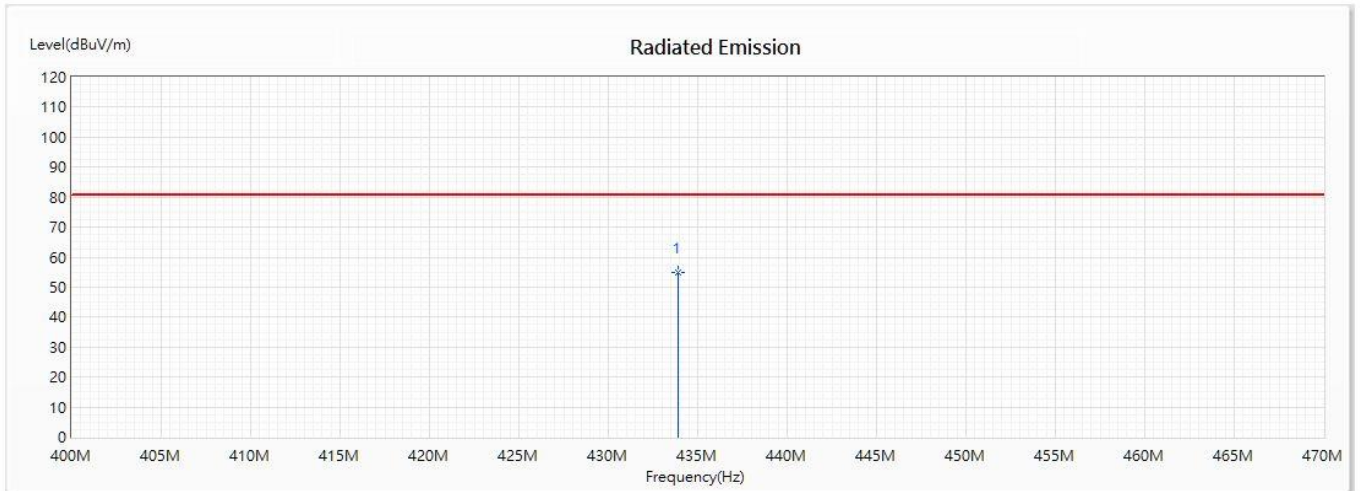
Note:

1. Measurement Level = Reading Level + Correct Factor
2. Average Limit=20log(10996.67)=80.83 dBuV 、 Peak Limit=100.83 dBuV

Product	MOBILE DEVICE 5		
Test Item	Fundamental Radiated Emission		
Test Mode	Mode 1: Transmit		
Date of Test	2020/04/22	Test Site	No.3 OATS

Fundamental Power (Y-Line)

Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
* 1	433.92	54.83	80.83	-26.00	58.85	-4.02	AV

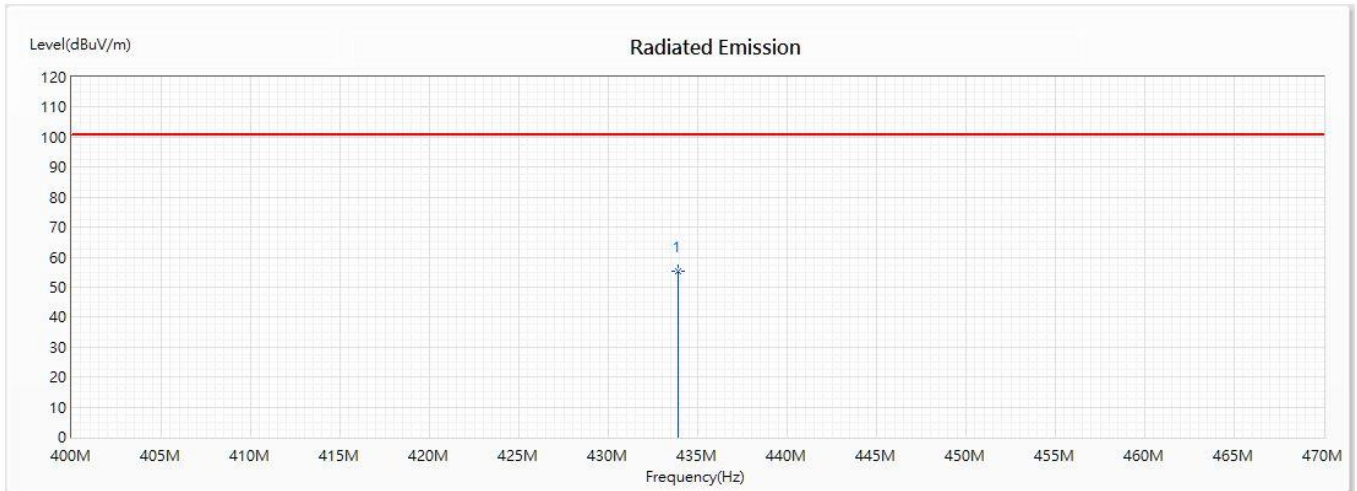
Note:

1. Measurement Level = Reading Level + Correct Factor
2. Average Limit=20log(10996.67)=80.83 dBuV 、 Peak Limit=100.83 dBuV

Product	MOBILE DEVICE 5		
Test Item	Fundamental Radiated Emission		
Test Mode	Mode 1: Transmit		
Date of Test	2020/04/22	Test Site	No.3 OATS

Fundamental Power (Z-Line)

Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
* 1	433.92	55.31	100.83	-45.52	59.33	-4.02	PK

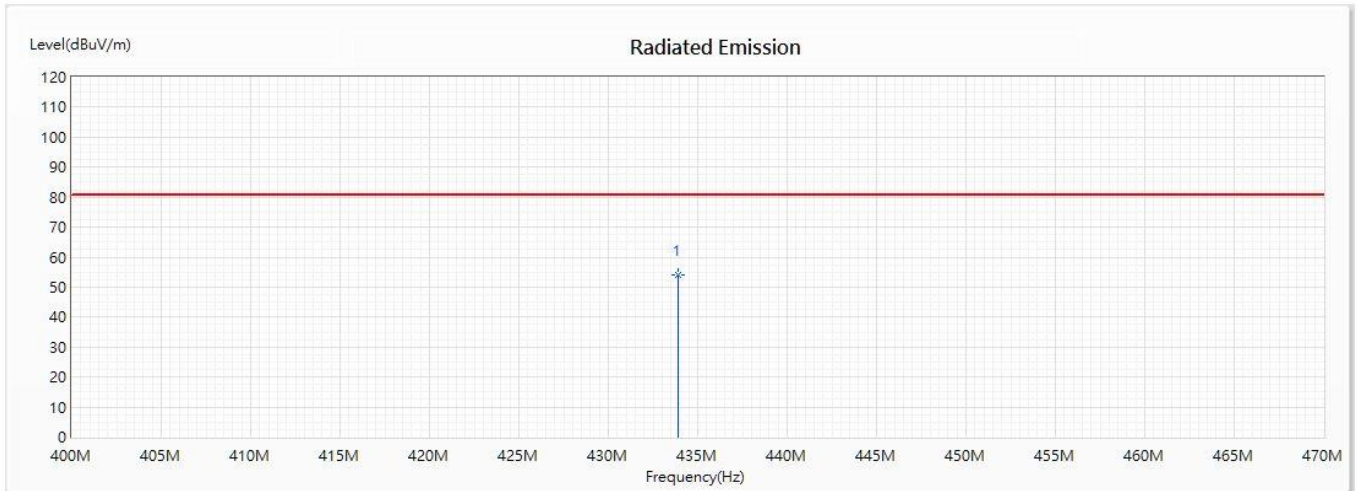
Note:

1. Measurement Level = Reading Level + Correct Factor
2. Average Limit=20log(10996.67)=80.83 dBuV 、 Peak Limit=100.83 dBuV

Product	MOBILE DEVICE 5		
Test Item	Fundamental Radiated Emission		
Test Mode	Mode 1: Transmit		
Date of Test	2020/04/22	Test Site	No.3 OATS

Fundamental Power (Z-Line)

Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
* 1	433.92	53.96	80.83	-26.87	57.98	-4.02	AV

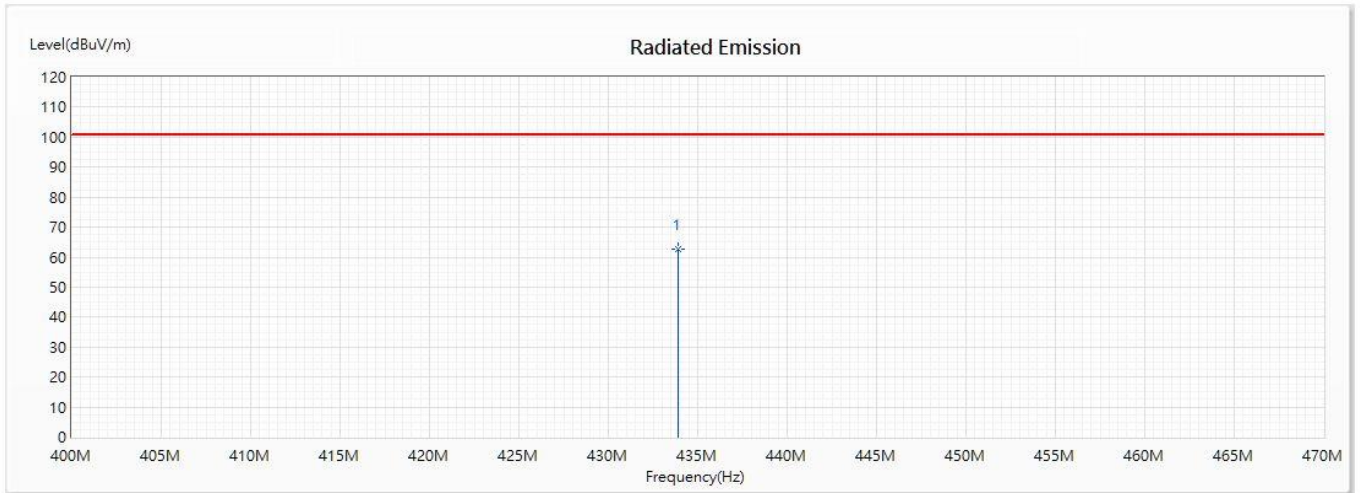
Note:

1. Measurement Level = Reading Level + Correct Factor
2. Average Limit=20log(10996.67)=80.83 dBuV 、 Peak Limit=100.83 dBuV

Product	MOBILE DEVICE 5		
Test Item	Fundamental Radiated Emission		
Test Mode	Mode 1: Transmit		
Date of Test	2020/04/22	Test Site	No.3 OATS

Fundamental Power (Z-Line)

Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
* 1	433.92	62.66	100.83	-38.17	66.68	-4.02	PK

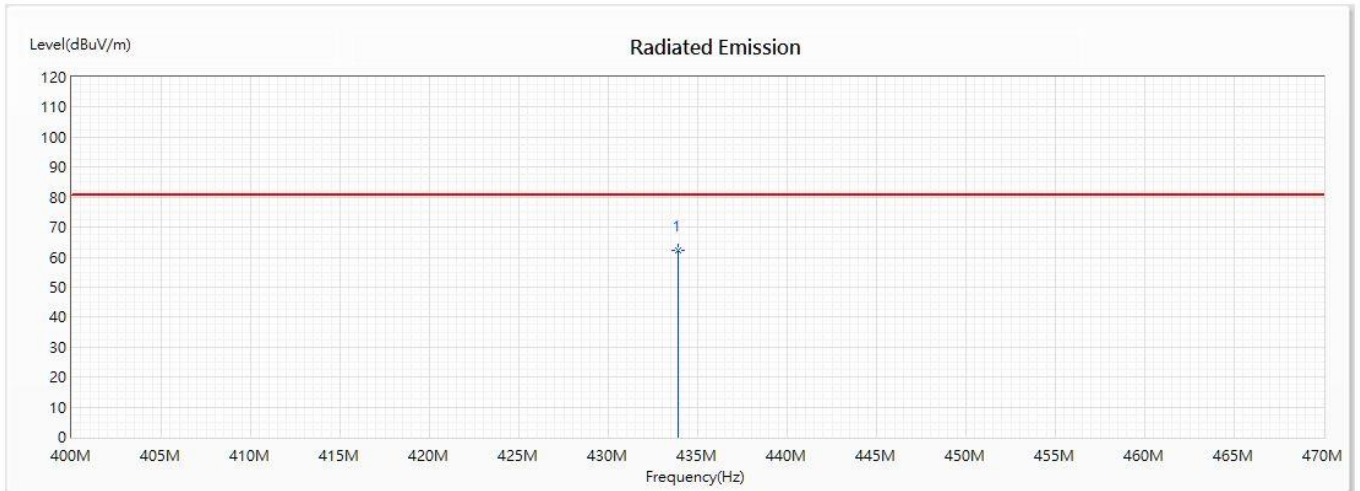
Note:

1. Measurement Level = Reading Level + Correct Factor
2. Average Limit=20log(10996.67)=80.83 dBuV 、 Peak Limit=100.83 dBuV

Product	MOBILE DEVICE 5		
Test Item	Fundamental Radiated Emission		
Test Mode	Mode 1: Transmit		
Date of Test	2020/04/22	Test Site	No.3 OATS

Fundamental Power (Z-Line)

Vertical



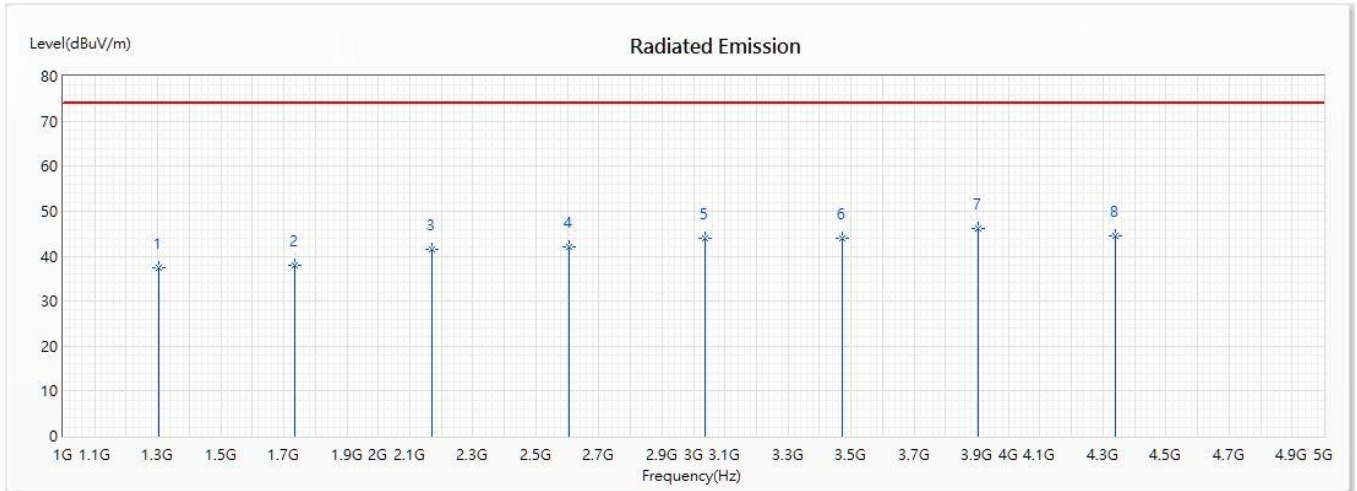
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
* 1	433.92	62.37	80.83	-18.46	66.39	-4.02	AV

Note:

1. Measurement Level = Reading Level + Correct Factor
2. Average Limit=20log(10996.67)=80.83 dBuV 、 Peak Limit=100.83 dBuV

Product	MOBILE DEVICE 5		
Test Item	Harmonic Radiated Emission		
Test Mode	Mode 1: Transmit		
Date of Test	2020/04/22	Test Site	No.8 OATS

Horizontal



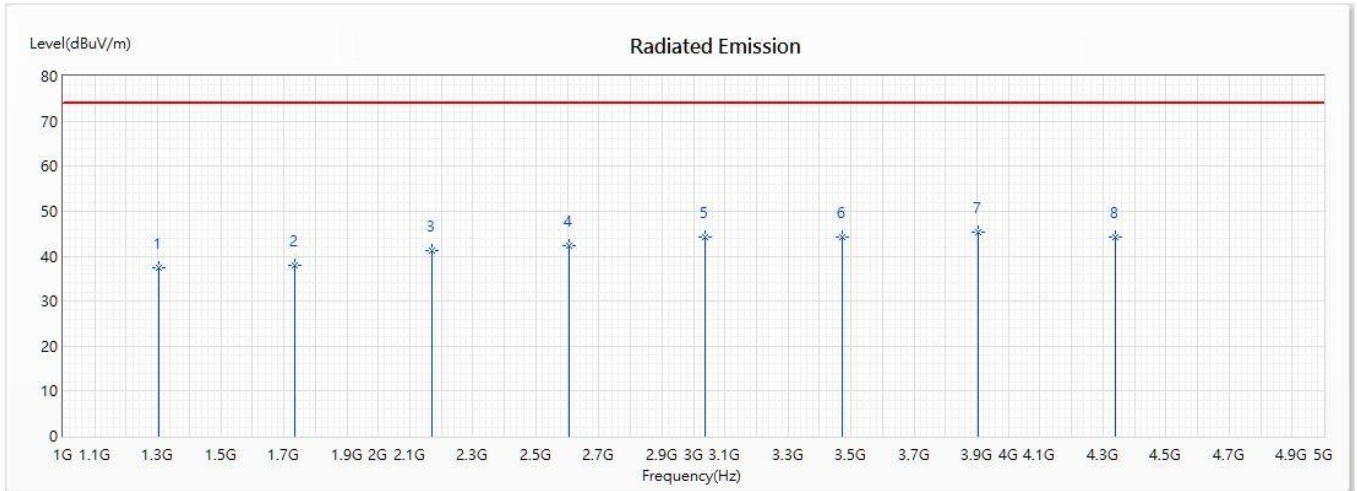
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	1301.76	37.47	74.00	-36.53	56.84	-19.37	PK
2	1735.68	37.82	74.00	-36.18	57.02	-19.20	PK
3	2169.6	41.38	74.00	-32.62	56.94	-15.56	PK
4	2603.52	42.11	74.00	-31.89	56.61	-14.50	PK
5	3037.44	43.85	74.00	-30.15	56.66	-12.81	PK
6	3471.36	43.89	74.00	-30.11	56.15	-12.26	PK
* 7	3905.28	46.26	74.00	-27.74	56.82	-10.56	PK
8	4339.2	44.46	74.00	-29.54	56.31	-11.85	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	MOBILE DEVICE 5		
Test Item	Harmonic Radiated Emission		
Test Mode	Mode 1: Transmit		
Date of Test	2020/04/22	Test Site	No.8 OATS

Vertical



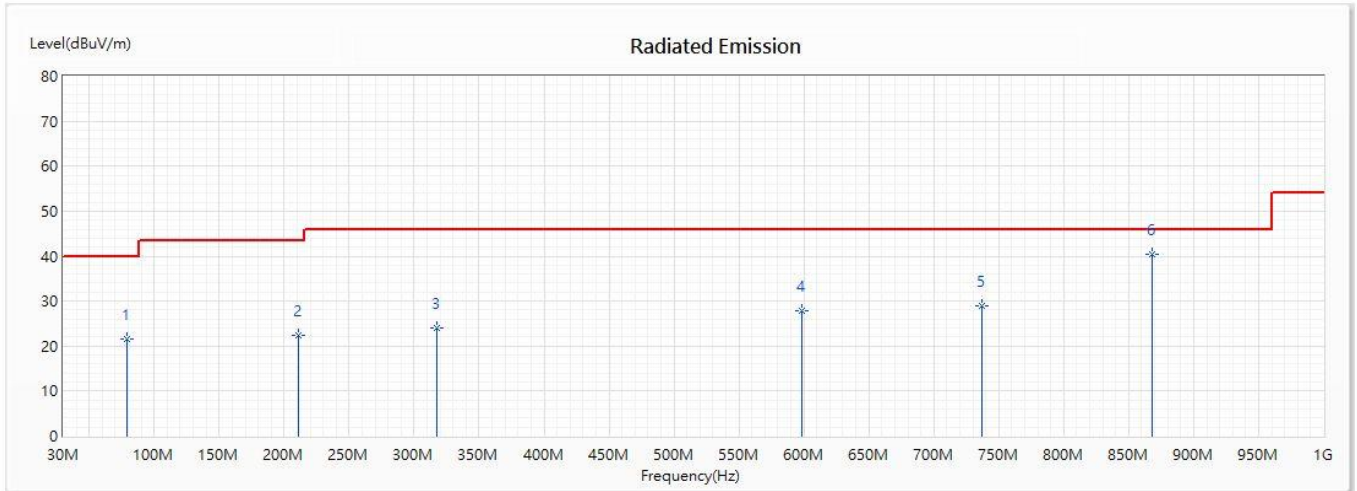
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	1301.76	37.31	74.00	-36.69	56.68	-19.37	PK
2	1735.68	37.97	74.00	-36.03	57.17	-19.20	PK
3	2169.6	41.34	74.00	-32.66	56.90	-15.56	PK
4	2603.52	42.37	74.00	-31.63	56.87	-14.50	PK
5	3037.44	44.32	74.00	-29.68	57.13	-12.81	PK
6	3471.36	44.24	74.00	-29.76	56.50	-12.26	PK
* 7	3905.28	45.22	74.00	-28.78	55.78	-10.56	PK
8	4339.2	44.23	74.00	-29.77	56.08	-11.85	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	MOBILE DEVICE 5		
Test Item	General Radiated Emission		
Test Mode	Mode 1: Transmit		
Date of Test	2020/06/15	Test Site	No.3 OATS

Horizontal



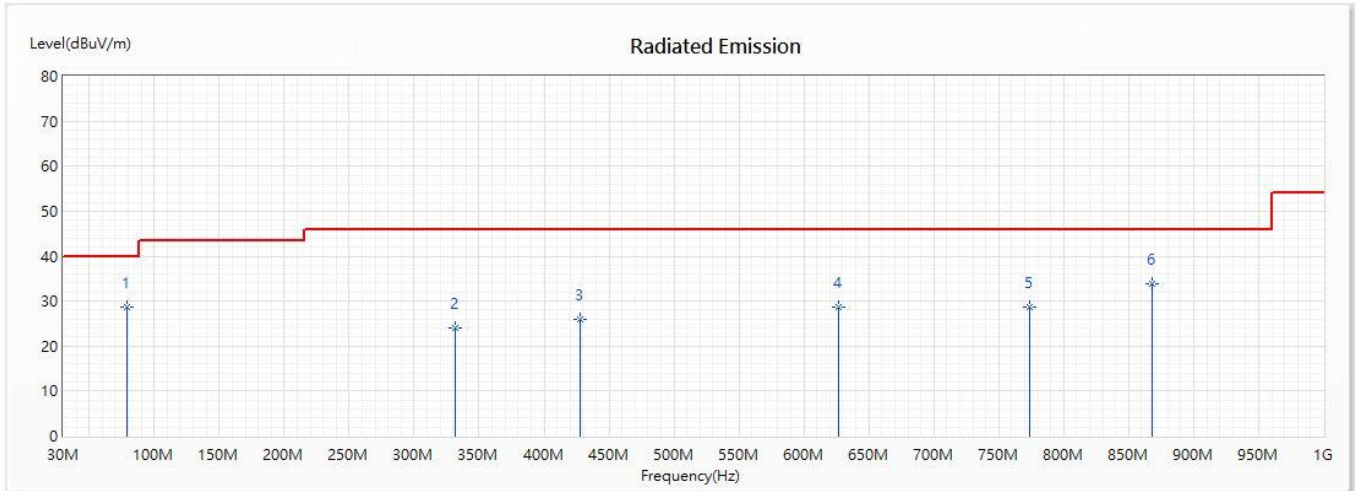
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	79.47	21.65	40.00	-18.35	34.41	-12.76	QP
2	211.39	22.42	43.50	-21.08	33.74	-11.32	QP
3	317.12	24.11	46.00	-21.89	31.34	-7.23	QP
4	598.42	27.80	46.00	-18.20	29.50	-1.70	QP
5	737.13	29.00	46.00	-17.00	30.06	-1.06	QP
* 6	868.08	40.52	46.00	-5.48	42.45	-1.93	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	MOBILE DEVICE 5		
Test Item	General Radiated Emission		
Test Mode	Mode 1: Transmit		
Date of Test	2020/06/15	Test Site	No.3 OATS

Vertical



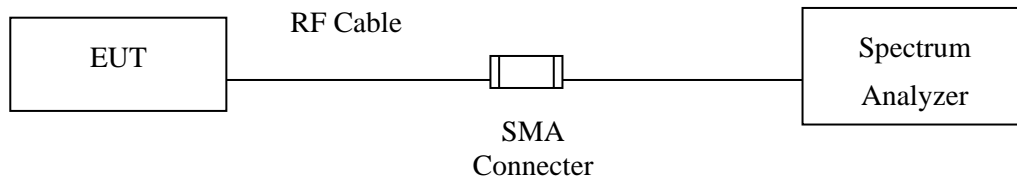
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
* 1	79.47	28.59	40.00	-11.41	41.35	-12.76	QP
2	331.67	23.92	46.00	-22.08	30.46	-6.54	QP
3	427.7	25.95	46.00	-20.05	30.03	-4.08	QP
4	626.55	28.74	46.00	-17.26	29.73	-0.99	QP
5	773.99	28.80	46.00	-17.20	29.91	-1.11	QP
6	868.08	33.73	46.00	-12.27	35.66	-1.93	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

4. Transmit time

4.1. Test Setup



4.2. Limits

A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

A transmitter activated automatically shall cease transmission within 5 seconds after activation.

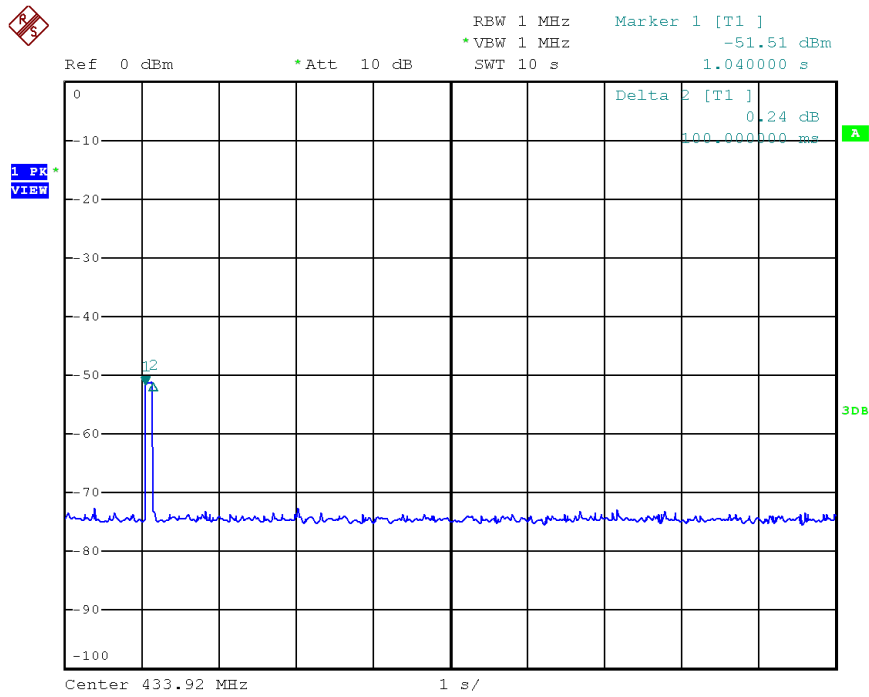
4.3. Uncertainty

$\pm 2.31\text{ms}$

4.4. Test Result

Product MOBILE DEVICE 5
 Test Item Transmit time
 Test Site No.3 OATS
 Test Mode Mode 1: Transmit

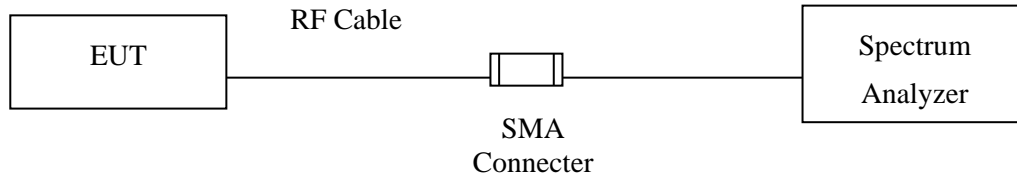
Channel No.	Frequency (MHz)	Measurement Value (Sec)	Limit (Sec)	Result
1	433.92	1.04	< 5	Pass



Date: 25.SEP.2005 00:07:03

5. Occupied Bandwidth

5.1. Test Setup



5.2. Limits

The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70MHz and below 900MHz. For devices operating above 900MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier

5.3. Uncertainty

± 283Hz

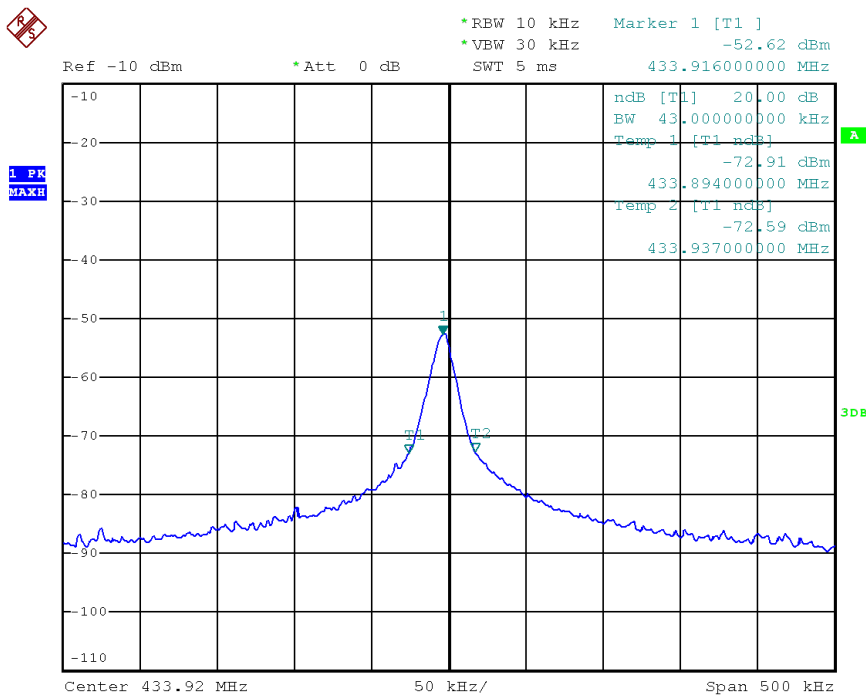
5.4. Test Result

Product MOBILE DEVICE 5
 Test Item Occupied Bandwidth
 Test Site No.3 OATS
 Test Mode Mode 1: Transmit

Channel No.	Frequency (MHz)	Measurement Value (MHz)	Limit (MHz)	Result
1	433.92	0.04	1.08475	Pass

Note: Limit = 433.92MHz * 0.25%= 1.08475MHz

Figure Channel 1:



Date: 25.SEP.2005 00:23:38