

FCC CERTIFICATION TEST REPORT

Report No.: DDT-B22030103-1E04

Applicant	:	TCL Communication Ltd.
Address	:	7/F, Block F4, TCL Communication Technology Building, TCL International E City, Zhong Shan Yuan Road, Nanshan District, Shenzhen, Guangdong, P.R. China 518052
Equipment under Test	:	LTE/WCDMA/GSM mobile phone
Model No.	:	5053A
Trade Mark	:	alcatel
FCC ID	:	2ACCJH105
Manufacturer	:	TCL Communication Ltd.
Address	:	7/F, Block F4, TCL Communication Technology Building, TCL International E City, Zhong Shan Yuan Road, Nanshan District, Shenzhen, Guangdong, P.R. China 518052

Issued By: Tianjin Dongdian Testing Service Co., Ltd.

Address: Building D-1, No. 19, Weisi Road, Microelectronics Industrial Park Development Area, Tianjin, China

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REPORT

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Test Report Declare

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Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C.

Test Procedure Used:

ANSI C63.10:2013, 558074 D01 15.247 Meas Guidance v05r02

We Declare:

The equipment described above is tested by Tianjin Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Tianjin Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC standards.

Report No.:	DDT-B22030103-1E04		
Date of Receipt:	Mar. 01, 2022	Date of Test:	Mar. 01, 2022 ~ Mar. 09, 2022

Prepared By:

Sunny Zhang

Sunny Zhang/Engineer

Approved By:

Aaron Zhang

Aaron Zhang/EMC Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Tianjin Dongdian Testing Service Co., Ltd.
The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.



Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Mar. 09, 2022	

1. Summary of Test Results

The EUT have been tested according to the applicable standards as referenced below.		
Description of Test Item	Standard	Verdict
6dB Bandwidth and 99% Bandwidth	FCC 15.247 (a) (2) ANSI C63.10:2013	Pass ¹
Maximum Conducted Output Power	FCC 15.247 (b) (3) ANSI C63.10:2013	Pass ²
Power Spectral Density	FCC 15.247 (e) ANSI C63.10:2013	Pass ¹
Band-edge and Spurious Emissions (Conducted)	FCC 15.247 (d) ANSI C63.10:2013	Pass ¹
Radiated Spurious Emissions	FCC 15.247 (d) FCC 15.209 FCC 15.205 ANSI C63.10:2013	Pass ²
Radiated Band Edge Compliance	FCC 15.247 (d) FCC 15.209 FCC 15.205 ANSI C63.10:2013	Pass ²
Power Line Conducted Emission	FCC 15.207 ANSI C63.10:2013	Pass ¹
Note1: The above "pass¹" items data are refer from the original report issued by SGS-CSTC Standards Technical Services Co., Ltd .Shenzhen Branch (Date of Test: 2019/2/22 ~ 2019/3/15), The detailed data can refer to Appendix-2.4G WLAN. Note2: The above "pass²" item is tested by Tianjin Dongdian Testing Service Co., Ltd.		

2. General Test Information

2.1. Description of EUT

EUT* Name	: LTE/WCDMA/GSM mobile phone
Model Number	: 5053A
EUT Function Description	: Please reference user manual of this device
Power Supply	: Battery
Radio Specification	: IEEE 802.11b/g/n
Operation Frequency	: IEEE 802.11b: 2412MHz-2462MHz IEEE 802.11g: 2412MHz-2462MHz IEEE 802.11n HT20: 2412MHz-2462MHz IEEE 802.11n HT40: 2422MHz-2452MHz
Modulation	: IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT40: OFDM (64QAM, 16QAM, QPSK, BPSK)
Data Rate	: IEEE 802.11b: 1, 2, 5.5, 11 Mbps IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps IEEE 802.11n HT20, HT40: MCS0~MCS7
Antenna Type	: Integrated antenna, maximum PK gain: -0.83 dBi
Sample Number	: N/A

Note: EUT is the ab. of equipment under test.

Channel information					
CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)
1	2412	6	2437	11	2462
2	2417	7	2442		
3	2422	8	2447		
4	2427	9	2452	/	/
5	2432	10	2457		

2.2. Accessories of EUT

Description of Accessories	Manufacturer	Model number	Description	SN
N/A	N/A	N/A	N/A	N/A

2.3. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	EMC Compliance	SN
N/A	N/A	N/A	N/A	N/A

2.4. Block diagram of EUT configuration for test

EUT

The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table.

Tested mode, channel, information			
Mode	Data rate (Mbps) (see Note)	Channel	Frequency (MHz)
IEEE 802.11b	1	CH0	2412
	1	CH6	2437
	1	CH11	2462
IEEE 802.11g	6	CH0	2412
	6	CH6	2437
	6	CH11	2462
IEEE 802.11n HT20	MCS0	CH0	2412
	MCS0	CH6	2437
	MCS0	CH11	2462
IEEE 802.11n HT40	MCS0	CH3	2422
	MCS0	CH6	2437
	MCS0	CH9	2452

Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.

2.5. Deviations of test standard

No deviation.

2.6. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	21-25 °C
Humidity range:	25-75%
Pressure range:	86-106 kPa

2.7. Test laboratory

Tianjin Dongdian Testing Service Co., Ltd.

Address: Building D-1, No. 19, Weisi Road, Microelectronics Industrial Park Development Area, Tianjin, China.

Tel: +86-22-58038033, <http://www.ddttest.com>, Email: ddt@dgddt.com

NVLAP (National Voluntary Laboratory Accreditation Program) CODE: 500036-0

CNAS (China National Accreditation Service for Conformity Assessment) CODE: L13402

FCC Designation Number: CN5004; FCC Test Firm Registration Number: 368676

ISED (Innovation, Science and Economic Development Canada) Company Number: 27768

Conformity Assessment Body Identifier: CN0125

VCCI Facility Registration Number: C-20089, T-20093, R-20125, G-20122

2.8. Measurement uncertainty

Test Item	Uncertainty
Bandwidth	0.14%
Peak Output Power (Conducted) (Spectrum Analyzer)	0.12 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$);
	0.32 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Peak Output Power (Conducted) (Power Sensor)	0.51 dB
Power Spectral Density	0.12 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$);
	0.32 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Frequencies Stability	6.7×10^{-8} (Antenna couple method)
	3.4×10^{-8} (Conducted method)
Conducted Spurious Emissions	0.12 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$);
	0.32 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
	0.52 dB ($8 \text{ GHz} \leq f < 22 \text{ GHz}$)
Uncertainty for Radio Frequency (RBW < 20 kHz)	3×10^{-7}
Temperature	$\pm 2^{\circ}\text{C}$
Humidity	$\pm 1\%$
Uncertainty for Radiation Emission Test (30 MHz - 1 GHz)	2.72 dB (Antenna Polarize: V)
	2.72 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission Test (1 GHz - 40 GHz)	2.74 dB (1 - 6 GHz)
	2.72 dB (6 GHz - 18 GHz)
	3.54 dB (18 GHz - 26 GHz)
	4.30 dB (26 GHz - 40 GHz)
Uncertainty for Power Line Conduction Emission Test	3.40 dB (150 kHz - 30 MHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3. Equipment Used During Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
RF Connected Test (MWRFTest system)					
EMI Test Receiver	R&S	ESU26	100243	2021/03/03	1 Year
EMI Test Receiver	R&S	ESU26	100243	2022/03/03	1 Year
Wideband Radio Communication Tester	R&S	CMW500	158800	2021/05/14	1 Year
Power Detector	MWRFTest	MW100-PS B	MW201203008	2021/03/31	1 Year
Test Software	MWRFTest	MTS8310	V03	N/A	N/A
Radiated Emission -10m EMI Chamber					
EXA Signal Analyzer	Keysight	N9010A	MY53281492	2021/03/31	1 Year
Active Loop Antenna	R&S	HFH2-Z2	100269	2021/05/08	1 Year
Double-Ridged Guide Horn Antenna	ETS-LINDGR EN	3115	00102808	2021/03/16	1 Year
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	790	2021/04/21	1 Year
Broadband Horn Antenna	TESEQ	BHA 9118	31754	2021/10/12	1 Year
Low noise amplifier	MITEQ	TPA0118-36	0914	2022/02/16	1 Year
EMI Test Receiver	R&S	ESCI	101024	2021/03/03	1 Year
EMI Test Receiver	R&S	ESCI	101024	2022/03/03	1 Year
EMI Test Receiver	R&S	ESCI	101030	2021/05/15	1 Year
Bilog Antenna	TESEQ	CBL6112D	29068	2020/10/12	2 Year
Bilog Antenna	TESEQ	CBL6112D	29069	2020/10/12	2 Year
Amplifier	Sonoma	310N	300913	2021/03/03	1 Year
Amplifier	Sonoma	310N	300913	2022/03/03	1 Year
Amplifier	Sonoma	310N	300914	2021/03/03	1 Year
Amplifier	Sonoma	310N	300913	2022/03/03	1 Year
Ant Mast	Innco	MA4000	N/A	N/A	N/A
Ant Mast	Innco	MA4000	N/A	N/A	N/A
Mast Controller	Innco	CO2000	N/A	N/A	N/A
Mast Controller	Innco	CO2000	N/A	N/A	N/A
RF Selector 4CH	TOYO	NS4904N	Selector1	N/A	N/A
RF Selector 4CH	TOYO	NS4904N	Selector2	N/A	N/A
Test software	TOYO	EP5/RSE	Ver 1.9.1	N/A	N/A
Test software	Audix	E3	V 6.11111b	N/A	N/A
Power Line Conducted Emissions Test					
Test Receiver	R&S	ESCI	101397	2021/03/03	1 Year
Test Receiver	R&S	ESCI	101397	2022/03/03	1 Year
LISN	R&S	ENV216	101122	2021/03/31	1 Year
Test software	TOYO	EP5/CE	V 5.4.40	N/A	N/A

4. Maximum Conducted Output Power

4.1. Re-Test statement

The EUT is operating at the same power level with the original testing of SGS-CSTC Standards Technical Services, Co., Ltd. Shenzhen Branch.

4.2. Block diagram of test setup



4.3. Limits

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

4.4. Test procedure

Connect each EUT's antenna output to power sensor by RF cable and attenuator.

Measure the PK output power of each antenna port by power sensor.

4.5. Test result

Remark

	The Original Reports	Re-Test Reports
File name:	test report 2.4G WLAN	DDT-B22030103-1E04
Test location:	SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch	Tianjin Dongdian Testing Service Co., Ltd.

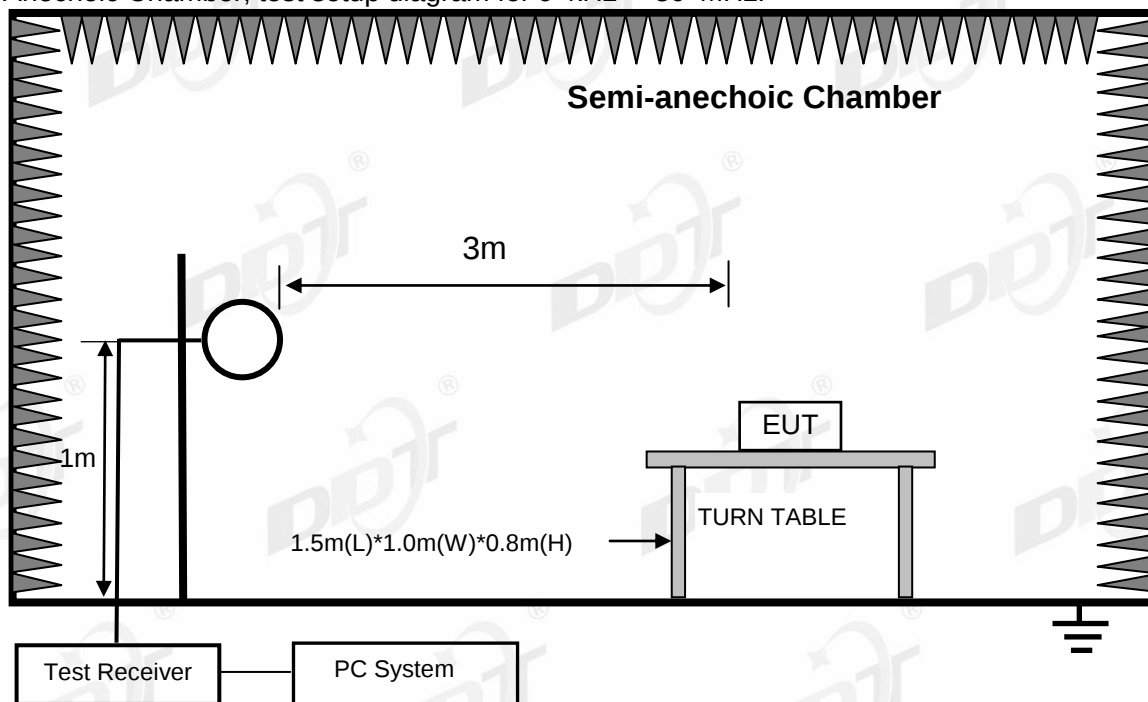
Power:

Mode	Test Channel	The Original Reports Level [dBm]	Re-Test Reports Level [dBm]	Power level
802.11b	Lowest	18.86	19.07	15
	Middle	19.13	19.02	15
	Highest	19.44	19.16	15
802.11g	Lowest	21.64	21.28	14
	Middle	22.29	21.76	14
	Highest	22.13	21.83	14
802.11n20	Lowest	21.51	21.29	14
	Middle	21.81	21.64	14
	Highest	22.13	21.77	14
802.11n40	Lowest	21.85	21.53	14
	Middle	21.78	21.42	14
	Highest	21.89	21.39	14

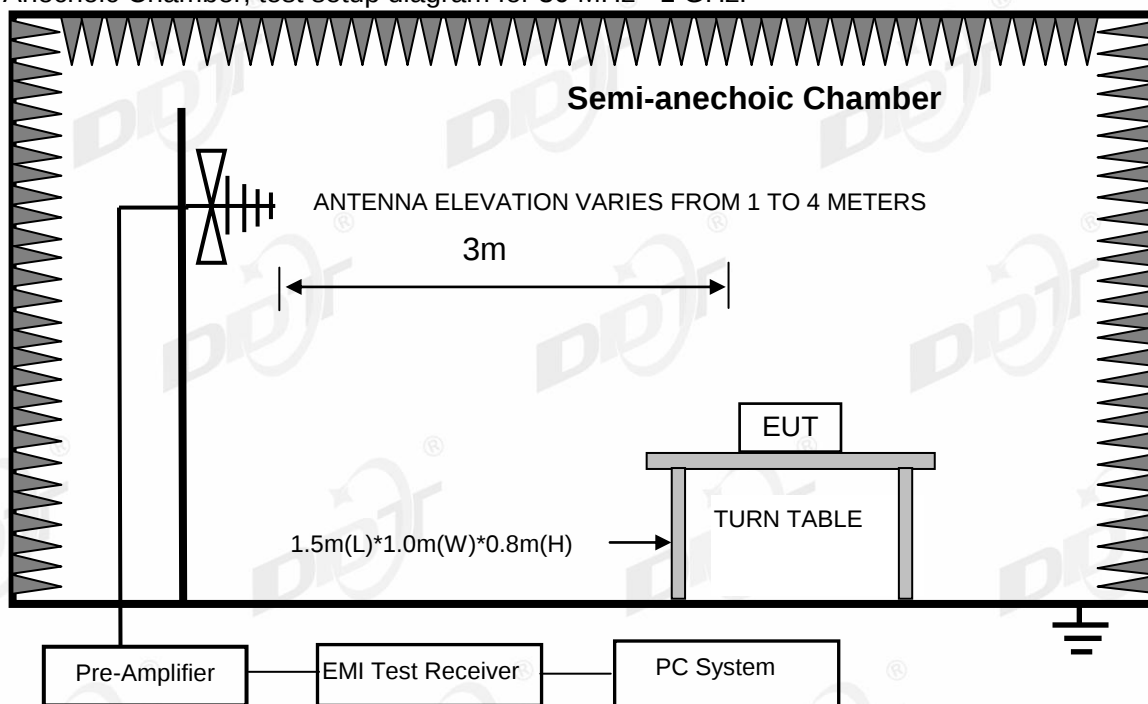
5. Radiated Emission

5.1. Block diagram of test setup

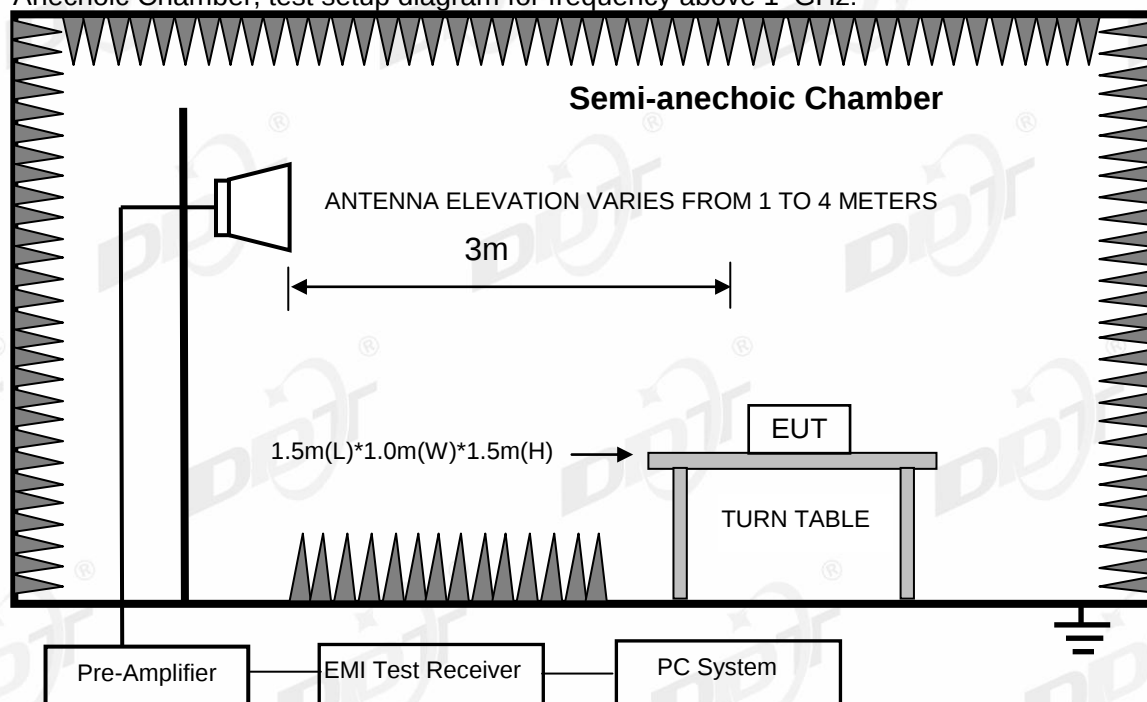
Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



Anechoic Chamber, test setup diagram for frequency above 1 GHz:



Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

5.2. Limit

(1) FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6

(2) FCC 15.209 Limit.

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V})/\text{m}$
0.009 ~ 0.490	300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz and above 1000 MHz, radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3\text{m}}(\text{dB}\mu\text{V}/\text{m}) = \text{Limit}_{30\text{m}}(\text{dB}\mu\text{V}/\text{m}) + 40\text{Log}(30\text{m}/3\text{m})$$

(3) Limit for this EUT

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits.

5.3. Test Procedure

(1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1G and 150 cm above the ground plane inside a fully-anechoic chamber for above 1G.

(2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m
1 GHz - 18 GHz	Double Ridged Horn Antenna (1 GHz - 18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna (18 GHz - 40 GHz)	3 m

According ANSI C63.10:2013 clause 6.4.4.2 and 6.5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also

is positioned with its plane horizontal at the specified distance from the EUT. The center of the loop is 1 m above the ground. For measurement above 30 MHz, the trilob Broadband Antenna or Horn Antenna was located 3 m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18 GHz to 25 GHz, so below final test was performed with frequency range from 9 kHz to 18 GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz, 110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9 kHz - 150 kHz	200 Hz
150 kHz - 30 MHz	9 kHz
30 MHz - 1 GHz	120 kHz

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10:2013 clause 4.1.4.2.2 procedure for average measure.

(8) X axis, Y axis, Z axis are tested, and worse setup X axis is reported.

5.4. Test result

Pass. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limits.

Note1: According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

Note2: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in transmitting mode.

Note3: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

Radiated Emission test (below 1 GHz)

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

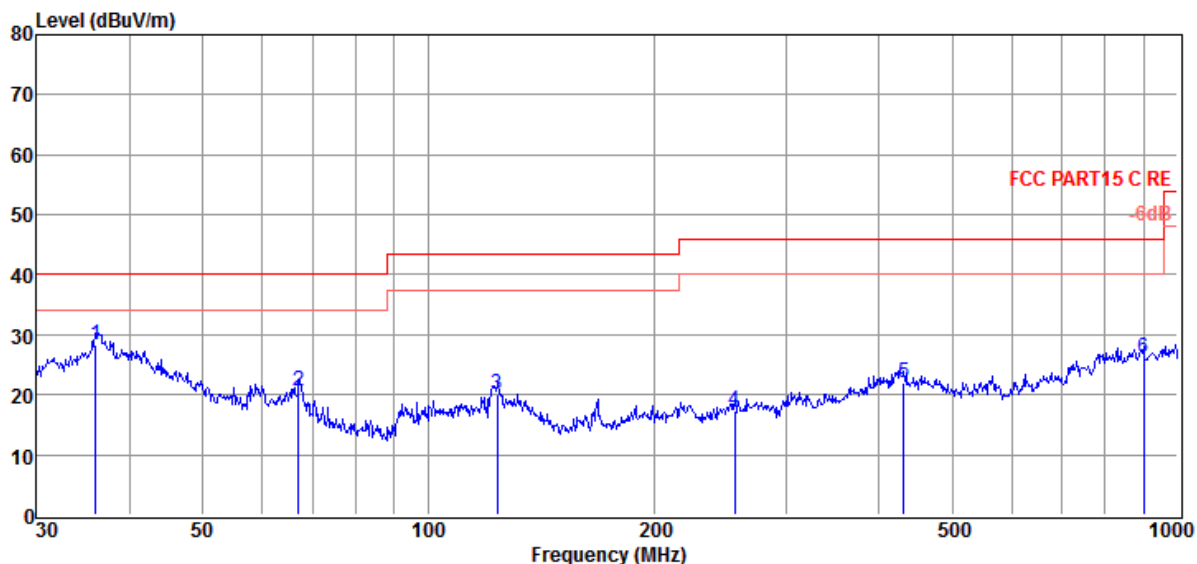
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 2.4G WIFI

Data: 81



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	36.00	-10.36	28.26	40.00	-11.74	164	142	QP	VERTICAL
2	67.20	-20.65	20.62	40.00	-19.38	167	240	QP	VERTICAL
3	123.70	-17.22	20.08	43.50	-23.42	175	329	QP	VERTICAL
4	256.52	-17.10	17.32	46.00	-28.68	171	74	QP	VERTICAL
5	431.03	-13.29	22.00	46.00	-24.00	175	19	QP	VERTICAL
6	900.15	-8.50	25.98	46.00	-20.02	167	322	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. Margin QP (Quasi-Peak) = Level QP - Limit

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

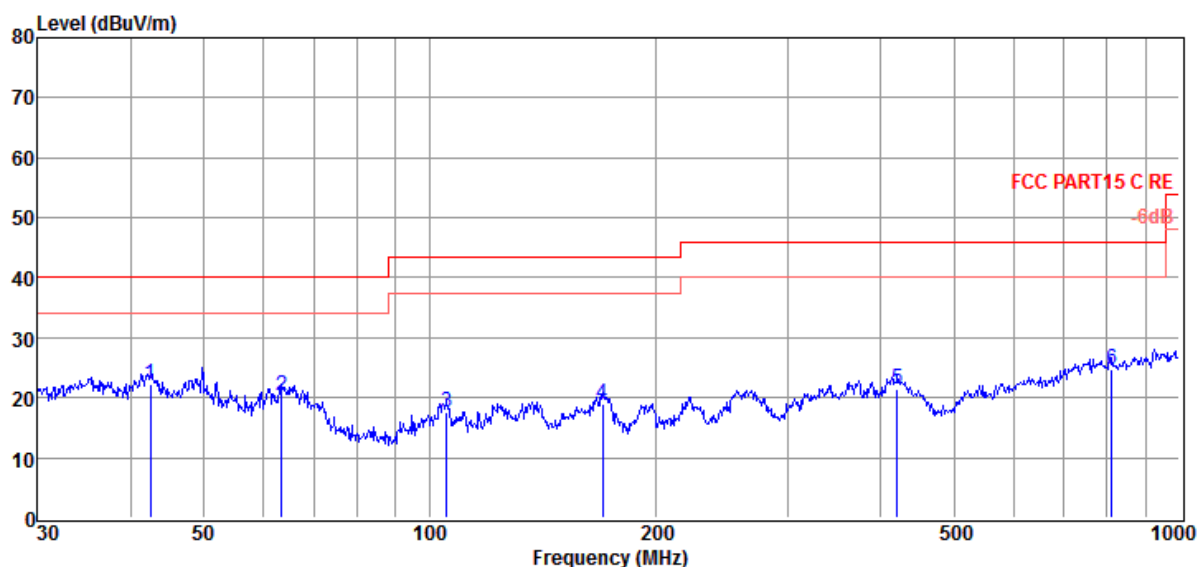
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 2.4G WIFI

Data: 82



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	42.45	-13.76	22.39	40.00	-17.61	162	125	QP	HORIZONTAL
2	63.54	-20.22	20.21	40.00	-19.79	183	172	QP	HORIZONTAL
3	105.27	-18.72	17.52	43.50	-25.98	153	349	QP	HORIZONTAL
4	170.20	-19.67	18.89	43.50	-24.61	188	250	QP	HORIZONTAL
5	420.58	-13.30	21.53	46.00	-24.47	158	292	QP	HORIZONTAL
6	813.11	-9.01	24.67	46.00	-21.33	187	322	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. Margin QP (Quasi-Peak) = Level QP - Limit

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

Radiated Emission test (1 GHz – 3GHz)

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

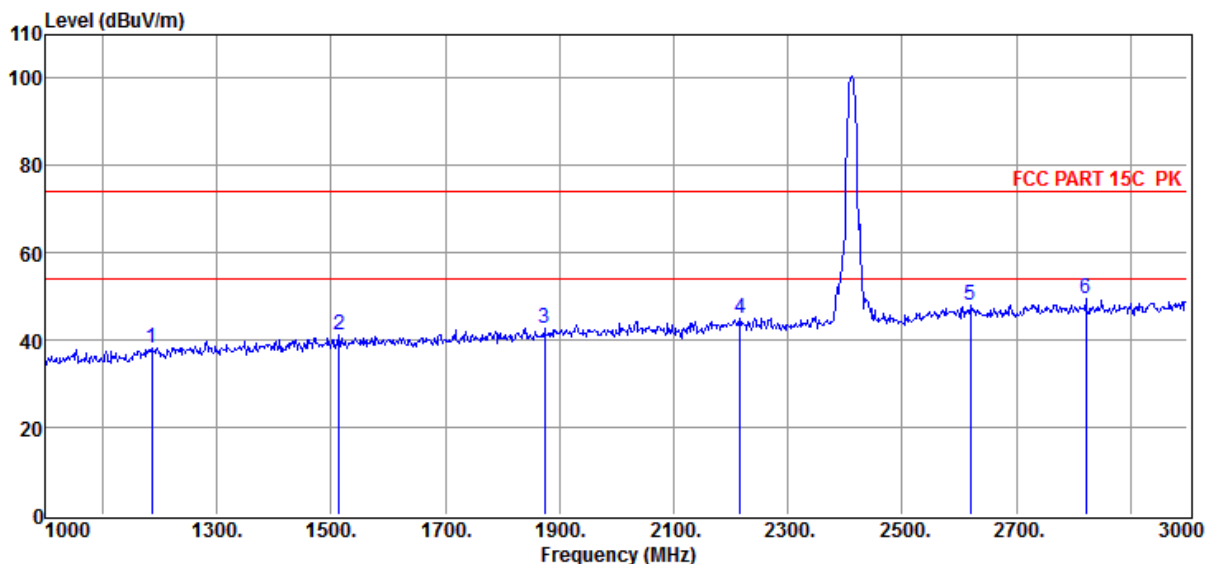
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11B 1M ANT1 2412MHz

Data: 17



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1186.00	-5.60	38.22	74.00	-35.78	161	38	Peak	VERTICAL
2	1514.00	-2.82	41.20	74.00	-32.80	180	219	Peak	VERTICAL
3	1874.00	-0.21	42.84	74.00	-31.16	176	211	Peak	VERTICAL
4	2216.00	2.37	45.02	74.00	-28.98	186	54	Peak	VERTICAL
5	2620.00	5.67	47.94	74.00	-26.06	168	304	Peak	VERTICAL
6	2822.00	6.53	49.51	74.00	-24.49	172	274	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

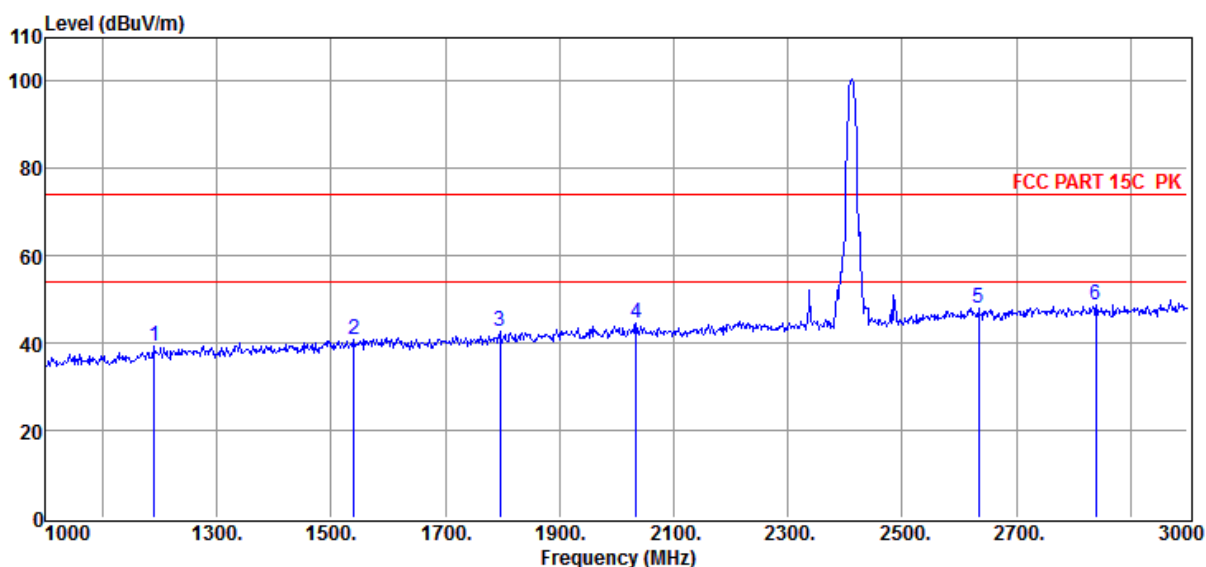
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11B 1M ANT1 2412MHz

Data: 18



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1190.00	-5.52	39.31	74.00	-34.69	188	26	Peak	HORIZONTAL
2	1540.00	-2.56	40.94	74.00	-33.06	162	30	Peak	HORIZONTAL
3	1796.00	-1.15	42.81	74.00	-31.19	164	92	Peak	HORIZONTAL
4	2034.00	0.87	44.64	74.00	-29.36	177	135	Peak	HORIZONTAL
5	2634.00	5.50	48.08	74.00	-25.92	153	27	Peak	HORIZONTAL
6	2840.00	6.64	48.87	74.00	-25.13	170	18	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

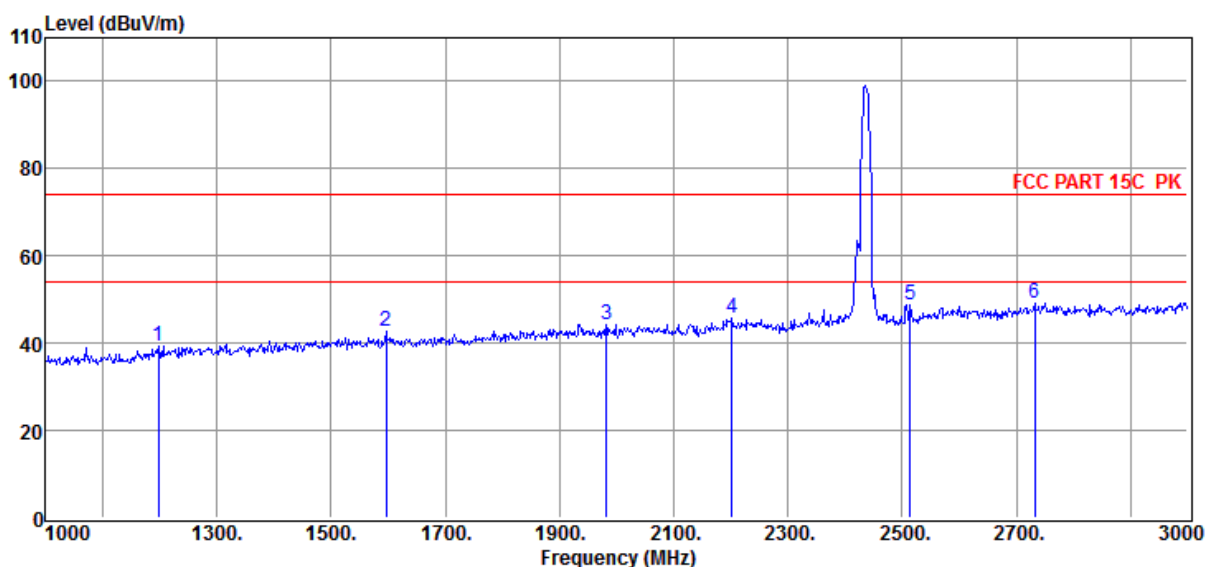
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11B 1M ANT1 2437MHz

Data: 19



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1198.00	-5.36	39.37	74.00	-34.63	157	286	Peak	HORIZONTAL
2	1596.00	-2.30	42.79	74.00	-31.21	166	98	Peak	HORIZONTAL
3	1982.00	0.25	44.19	74.00	-29.81	171	31	Peak	HORIZONTAL
4	2202.00	2.37	45.62	74.00	-28.38	165	25	Peak	HORIZONTAL
5	2514.00	3.96	48.89	74.00	-25.11	159	81	Peak	HORIZONTAL
6	2732.00	6.38	49.33	74.00	-24.67	181	11	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

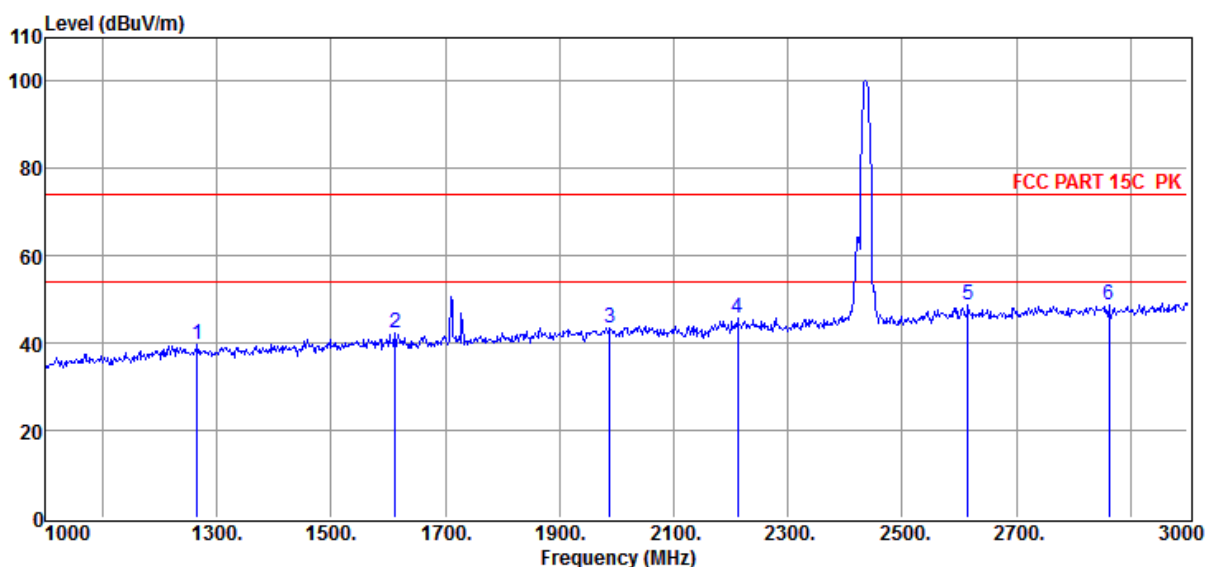
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11B 1M ANT1 2437MHz

Data: 20



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1266.00	-4.71	39.70	74.00	-34.30	152	173	Peak	VERTICAL
2	1612.00	-2.29	42.39	74.00	-31.61	167	99	Peak	VERTICAL
3	1988.00	0.25	43.49	74.00	-30.51	154	170	Peak	VERTICAL
4	2212.00	2.37	45.55	74.00	-28.45	165	259	Peak	VERTICAL
5	2616.00	5.71	48.74	74.00	-25.26	153	244	Peak	VERTICAL
6	2862.00	6.78	48.68	74.00	-25.32	173	327	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

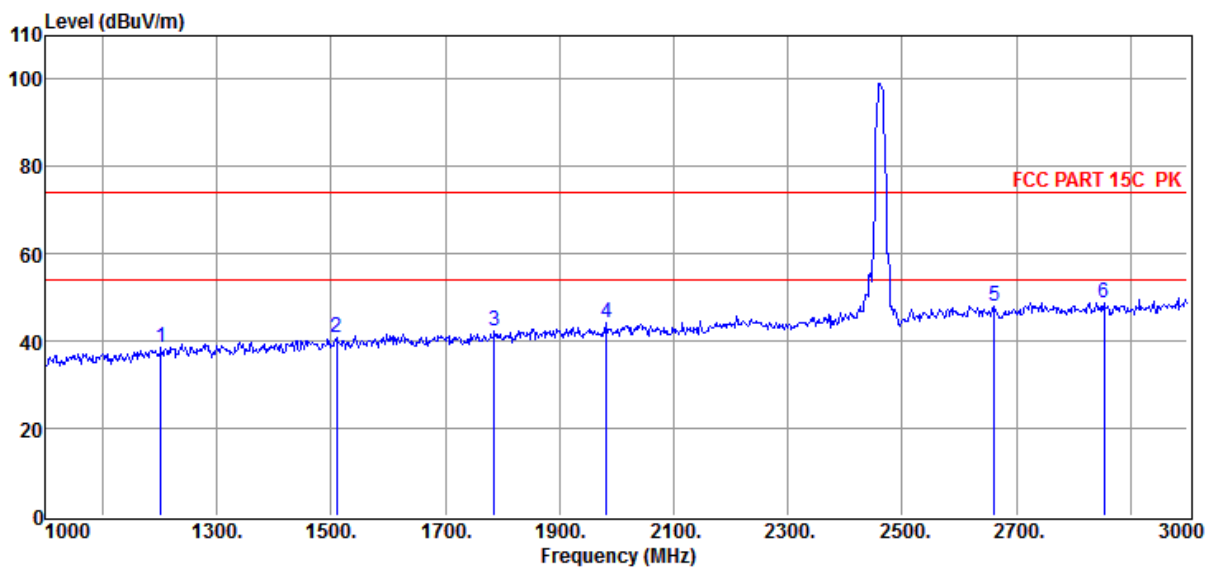
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11B 1M ANT1 2462MHz

Data: 21



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1202.00	-5.29	38.66	74.00	-35.34	184	322	Peak	VERTICAL
2	1510.00	-2.85	40.89	74.00	-33.11	152	37	Peak	VERTICAL
3	1786.00	-1.21	42.38	74.00	-31.62	168	41	Peak	VERTICAL
4	1982.00	0.25	44.29	74.00	-29.71	153	259	Peak	VERTICAL
5	2662.00	5.45	48.12	74.00	-25.88	181	42	Peak	VERTICAL
6	2854.00	6.73	48.93	74.00	-25.07	155	110	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

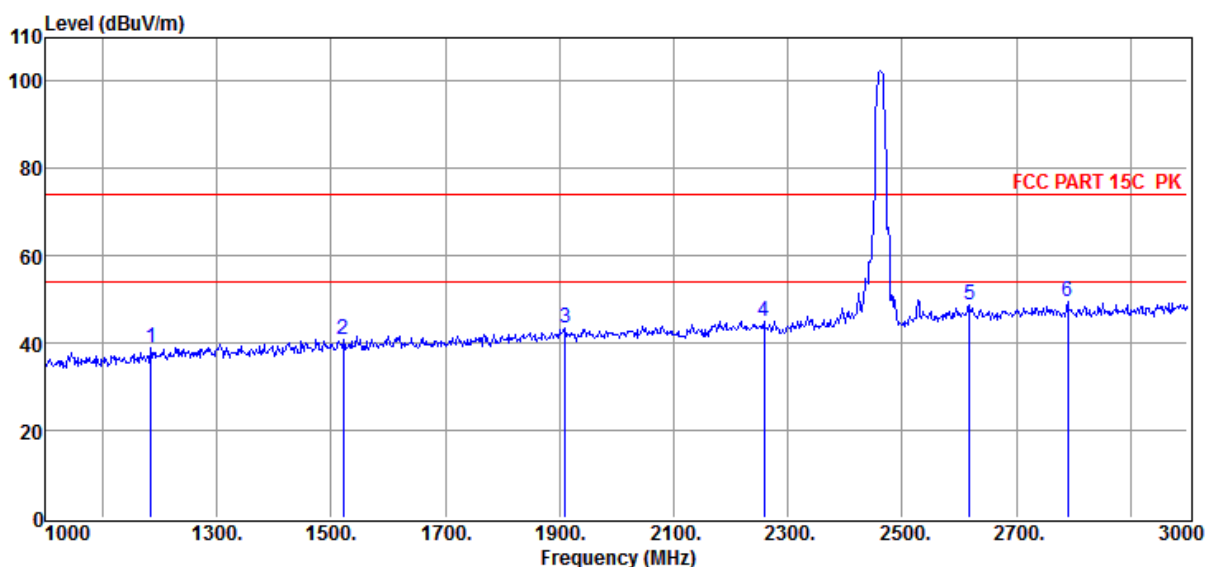
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11B 1M ANT1 2462MHz

Data: 22



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1184.00	-5.64	38.80	74.00	-35.20	190	236	Peak	HORIZONTAL
2	1522.00	-2.74	40.96	74.00	-33.04	159	208	Peak	HORIZONTAL
3	1910.00	0.00	43.33	74.00	-30.67	167	212	Peak	HORIZONTAL
4	2258.00	2.29	44.88	74.00	-29.12	168	93	Peak	HORIZONTAL
5	2618.00	5.69	48.90	74.00	-25.10	174	212	Peak	HORIZONTAL
6	2790.00	6.43	49.65	74.00	-24.35	181	57	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

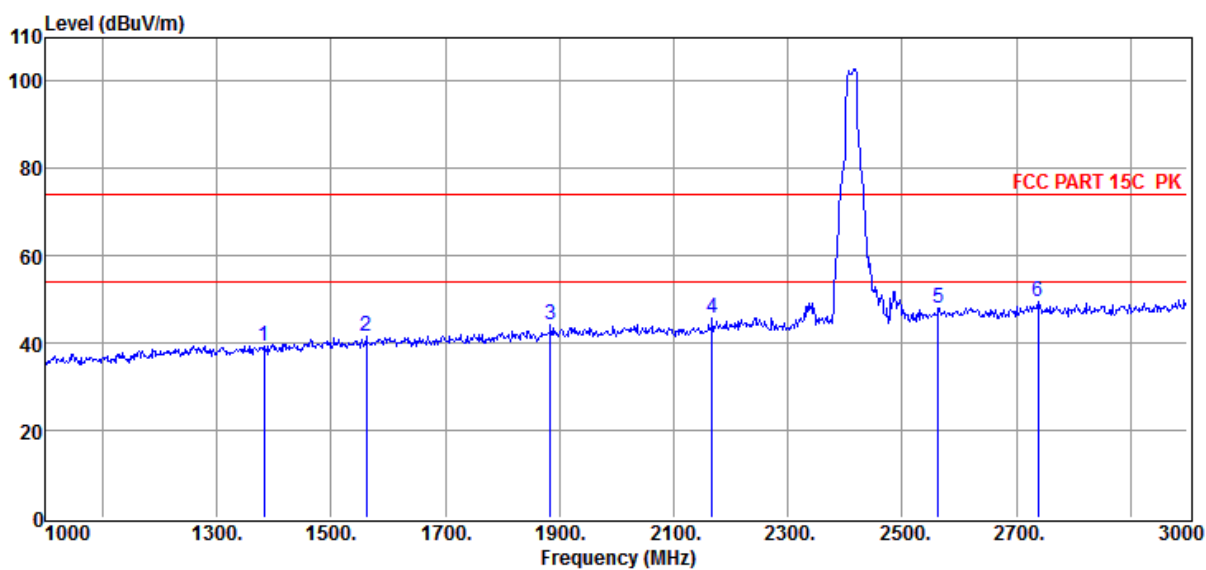
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11G 6M ANT1 2412MHz

Data: 23



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1382.00	-4.19	39.40	74.00	-34.60	183	194	Peak	HORIZONTAL
2	1562.00	-2.41	41.62	74.00	-32.38	189	298	Peak	HORIZONTAL
3	1884.00	-0.16	44.12	74.00	-29.88	188	208	Peak	HORIZONTAL
4	2168.00	1.59	45.57	74.00	-28.43	173	112	Peak	HORIZONTAL
5	2564.00	5.10	48.14	74.00	-25.86	174	41	Peak	HORIZONTAL
6	2738.00	6.48	49.44	74.00	-24.56	152	96	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

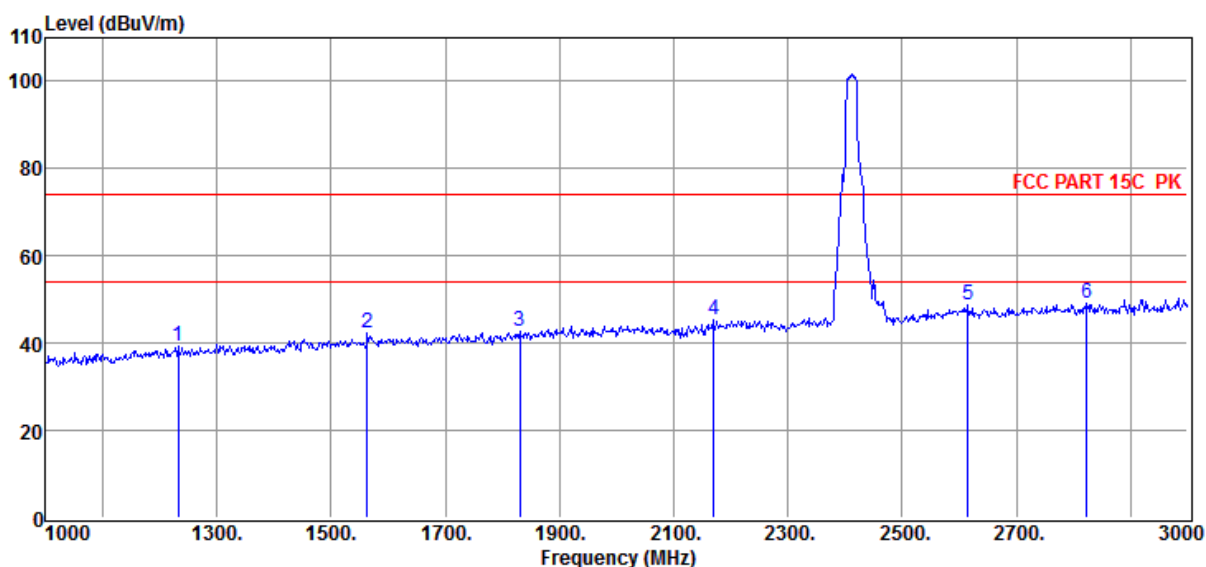
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11G 6M ANT1 2412MHz

Data: 24



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1232.00	-4.93	39.46	74.00	-34.54	171	259	Peak	VERTICAL
2	1564.00	-2.41	42.22	74.00	-31.78	152	313	Peak	VERTICAL
3	1830.00	-0.65	42.84	74.00	-31.16	181	105	Peak	VERTICAL
4	2170.00	1.64	45.49	74.00	-28.51	179	299	Peak	VERTICAL
5	2616.00	5.71	48.58	74.00	-25.42	169	317	Peak	VERTICAL
6	2824.00	6.54	49.18	74.00	-24.82	164	143	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

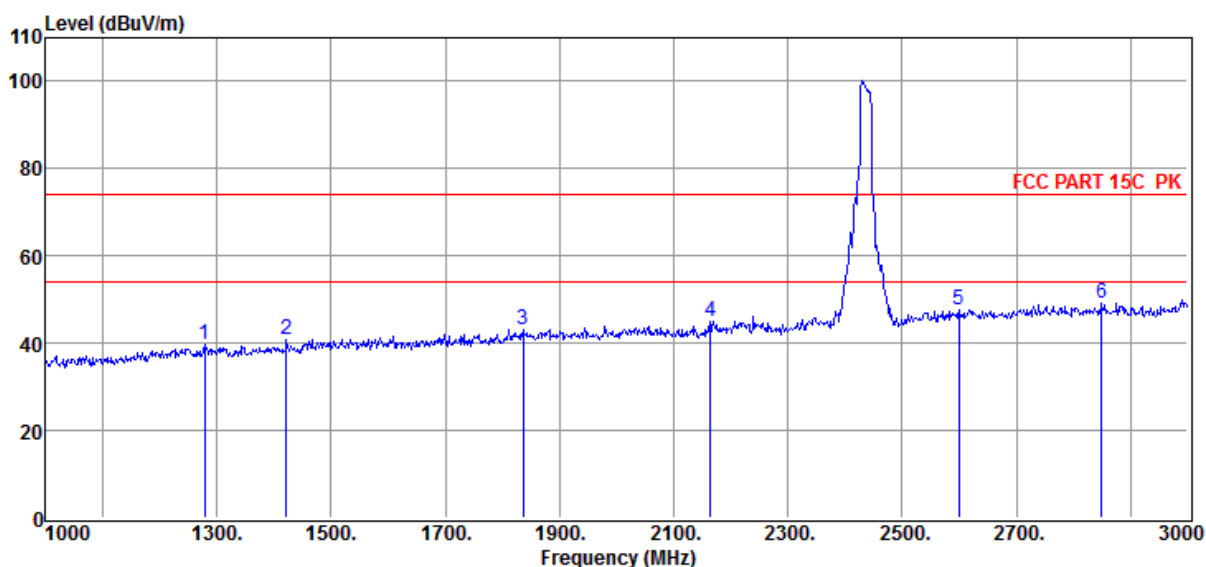
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11G 6M ANT1 2437MHz

Data: 25



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1278.00	-4.70	39.69	74.00	-34.31	189	185	Peak	VERTICAL
2	1422.00	-3.83	40.95	74.00	-33.05	162	180	Peak	VERTICAL
3	1836.00	-0.55	43.22	74.00	-30.78	158	132	Peak	VERTICAL
4	2164.00	1.49	45.12	74.00	-28.88	183	348	Peak	VERTICAL
5	2600.00	5.91	47.66	74.00	-26.34	189	219	Peak	VERTICAL
6	2850.00	6.71	48.98	74.00	-25.02	176	134	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

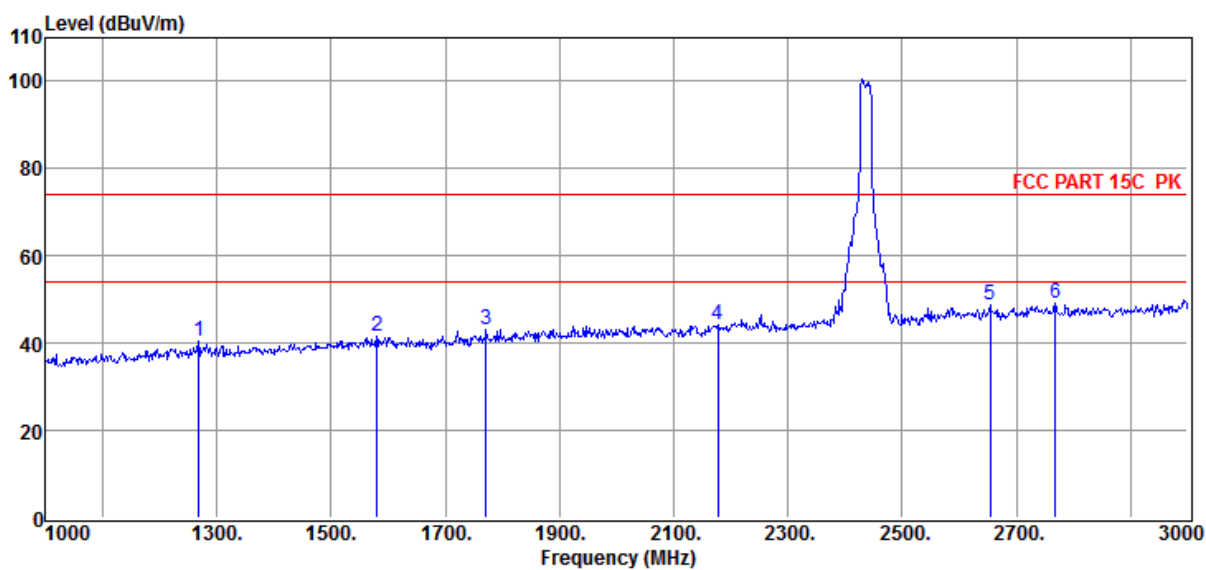
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11G 6M ANT1 2437MHz

Data: 26



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1268.00	-4.71	40.27	74.00	-33.73	150	283	Peak	HORIZONTAL
2	1580.00	-2.35	41.68	74.00	-32.32	169	146	Peak	HORIZONTAL
3	1772.00	-1.31	43.24	74.00	-30.76	165	165	Peak	HORIZONTAL
4	2178.00	1.84	44.28	74.00	-29.72	178	217	Peak	HORIZONTAL
5	2654.00	5.35	48.85	74.00	-25.15	154	170	Peak	HORIZONTAL
6	2768.00	6.55	49.07	74.00	-24.93	152	182	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

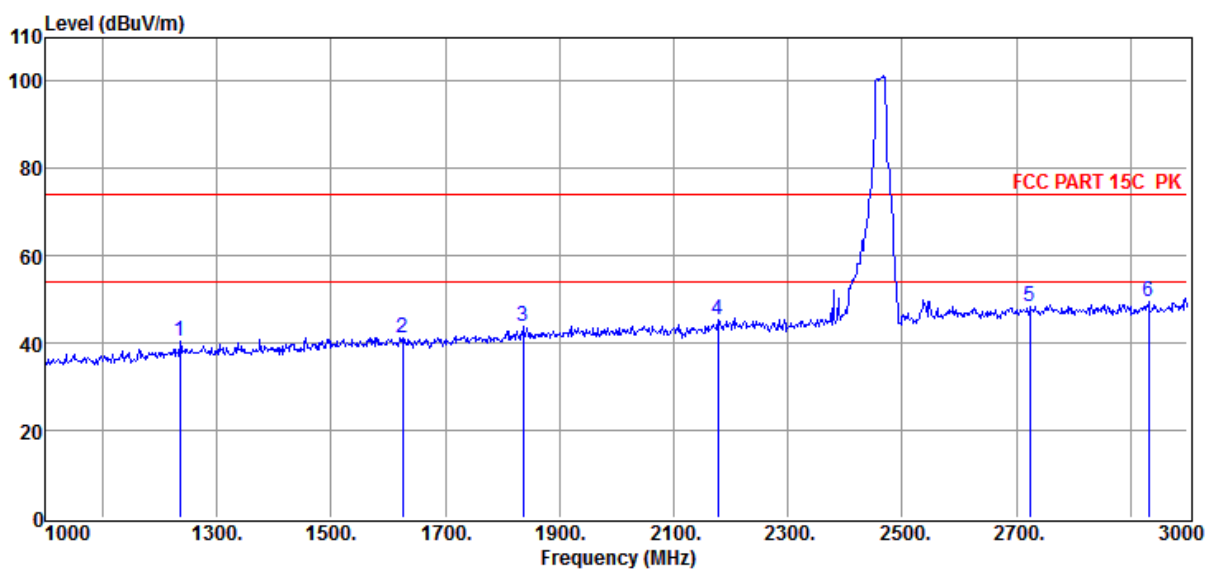
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11G 6M ANT1 2462MHz

Data: 27



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1236.00	-4.89	40.60	74.00	-33.40	169	95	Peak	HORIZONTAL
2	1626.00	-2.32	41.22	74.00	-32.78	157	221	Peak	HORIZONTAL
3	1836.00	-0.55	43.84	74.00	-30.16	177	10	Peak	HORIZONTAL
4	2178.00	1.84	45.30	74.00	-28.70	168	78	Peak	HORIZONTAL
5	2724.00	6.27	48.55	74.00	-25.45	159	22	Peak	HORIZONTAL
6	2932.00	6.76	49.37	74.00	-24.63	187	72	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

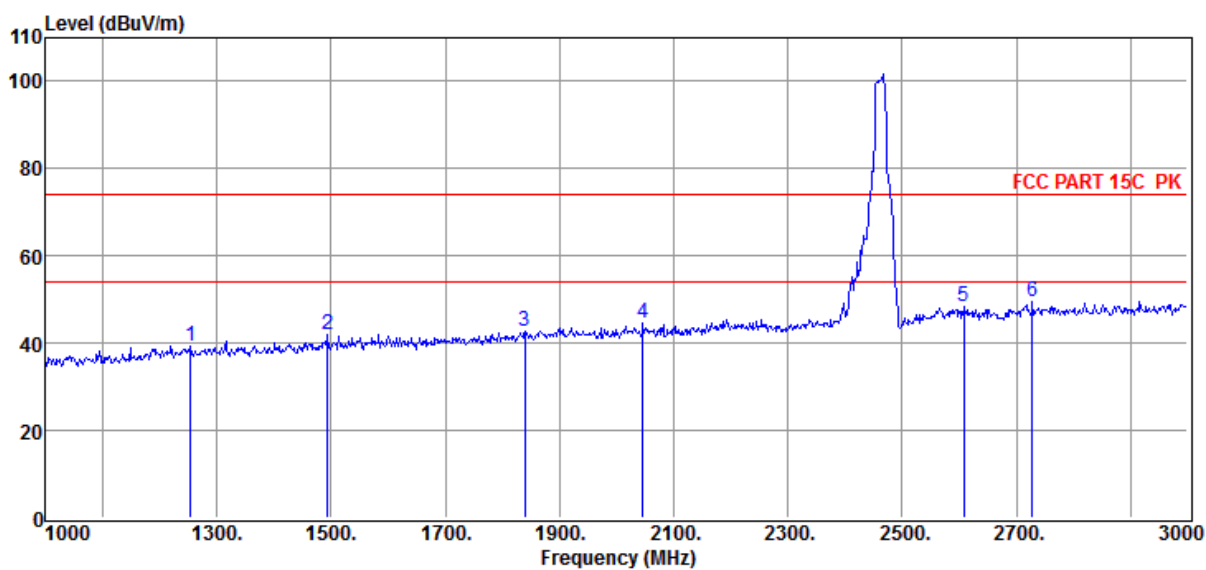
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11G 6M ANT1 2462MHz

Data: 28



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1254.00	-4.72	39.38	74.00	-34.62	190	48	Peak	VERTICAL
2	1494.00	-3.01	41.91	74.00	-32.09	188	340	Peak	VERTICAL
3	1840.00	-0.49	42.63	74.00	-31.37	158	238	Peak	VERTICAL
4	2046.00	1.08	44.71	74.00	-29.29	155	147	Peak	VERTICAL
5	2608.00	5.82	48.55	74.00	-25.45	178	132	Peak	VERTICAL
6	2728.00	6.33	49.53	74.00	-24.47	153	120	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

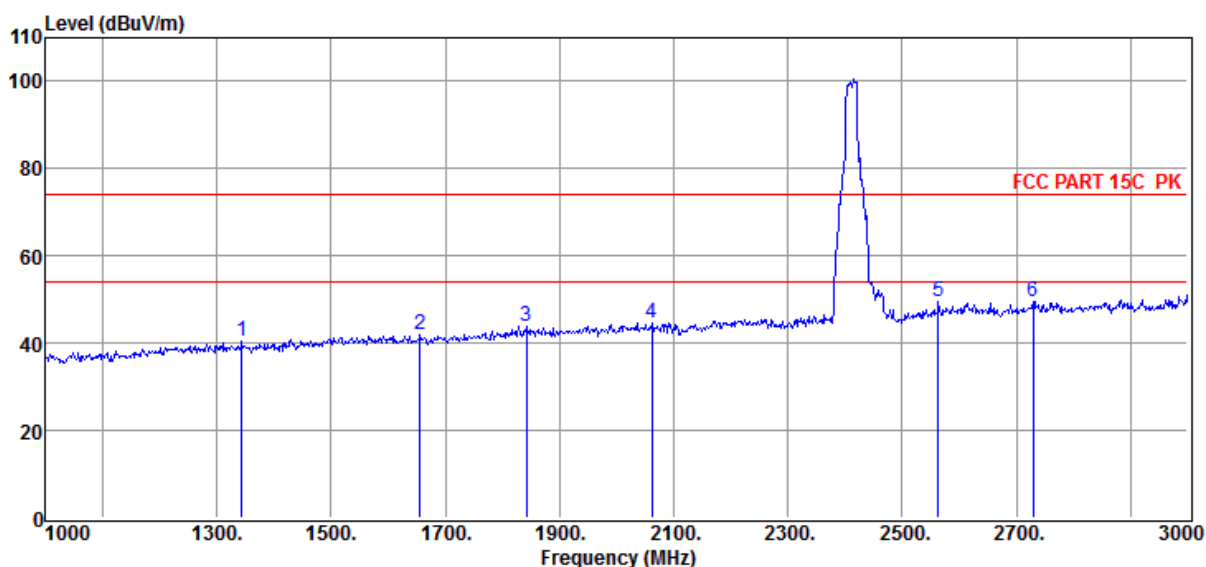
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 MCS0 ANT1 2412MHz

Data: 29



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1344.00	-4.40	40.59	74.00	-33.41	150	334	Peak	VERTICAL
2	1656.00	-2.30	41.84	74.00	-32.16	152	227	Peak	VERTICAL
3	1842.00	-0.46	43.96	74.00	-30.04	188	302	Peak	VERTICAL
4	2062.00	1.00	44.64	74.00	-29.36	154	236	Peak	VERTICAL
5	2564.00	5.10	49.41	74.00	-24.59	183	230	Peak	VERTICAL
6	2730.00	6.35	49.40	74.00	-24.60	160	345	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

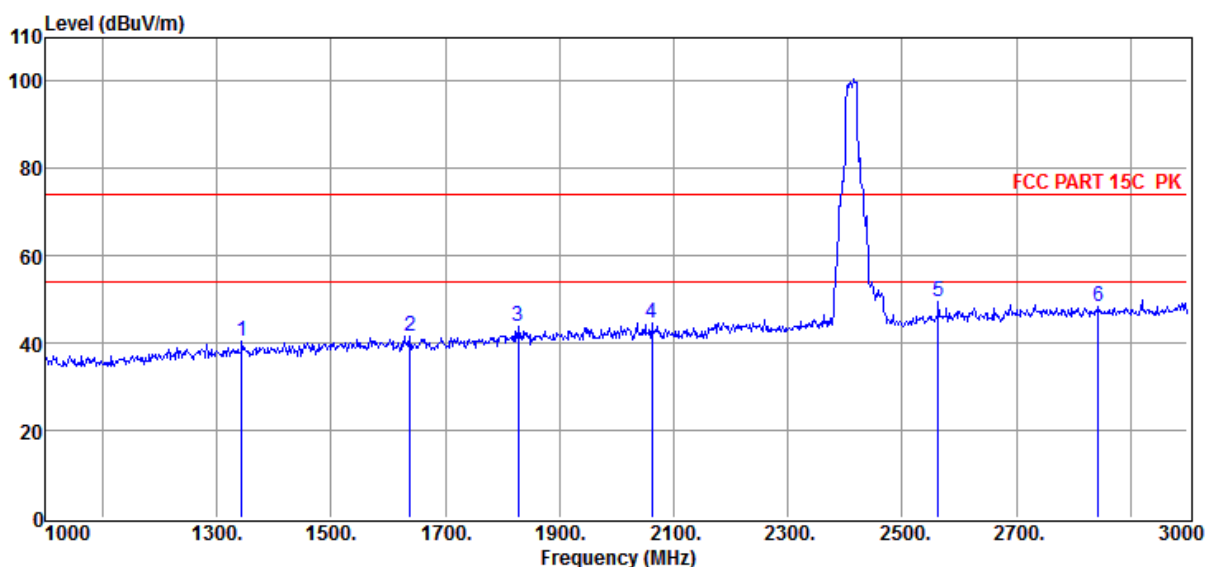
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 MCS0 ANT1 2412MHz

Data: 30



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1344.00	-4.40	40.59	74.00	-33.41	152	215	Peak	HORIZONTAL
2	1638.00	-2.34	41.71	74.00	-32.29	189	346	Peak	HORIZONTAL
3	1828.00	-0.68	43.71	74.00	-30.29	184	134	Peak	HORIZONTAL
4	2062.00	1.00	44.64	74.00	-29.36	159	223	Peak	HORIZONTAL
5	2564.00	5.10	49.41	74.00	-24.59	156	292	Peak	HORIZONTAL
6	2844.00	6.67	48.28	74.00	-25.72	174	62	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

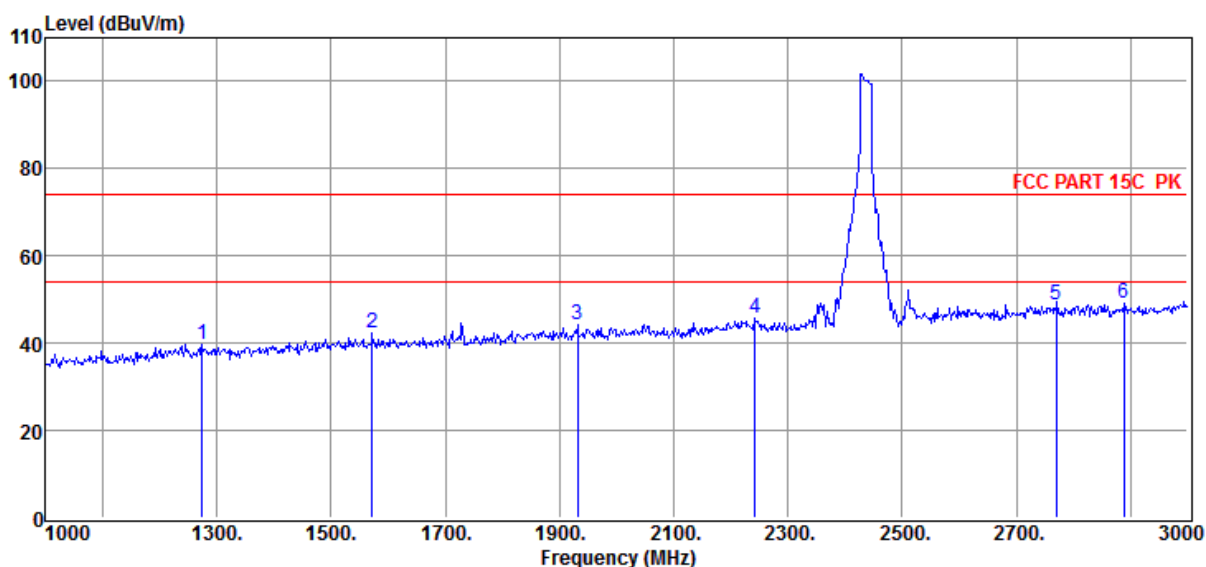
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 MCS0 ANT1 2437MHz

Data: 31



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1274.00	-4.71	39.72	74.00	-34.28	157	78	Peak	HORIZONTAL
2	1572.00	-2.38	42.38	74.00	-31.62	160	10	Peak	HORIZONTAL
3	1932.00	0.16	44.25	74.00	-29.75	151	98	Peak	HORIZONTAL
4	2242.00	2.37	45.88	74.00	-28.12	170	358	Peak	HORIZONTAL
5	2770.00	6.54	48.83	74.00	-25.17	154	328	Peak	HORIZONTAL
6	2888.00	6.92	49.31	74.00	-24.69	174	69	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

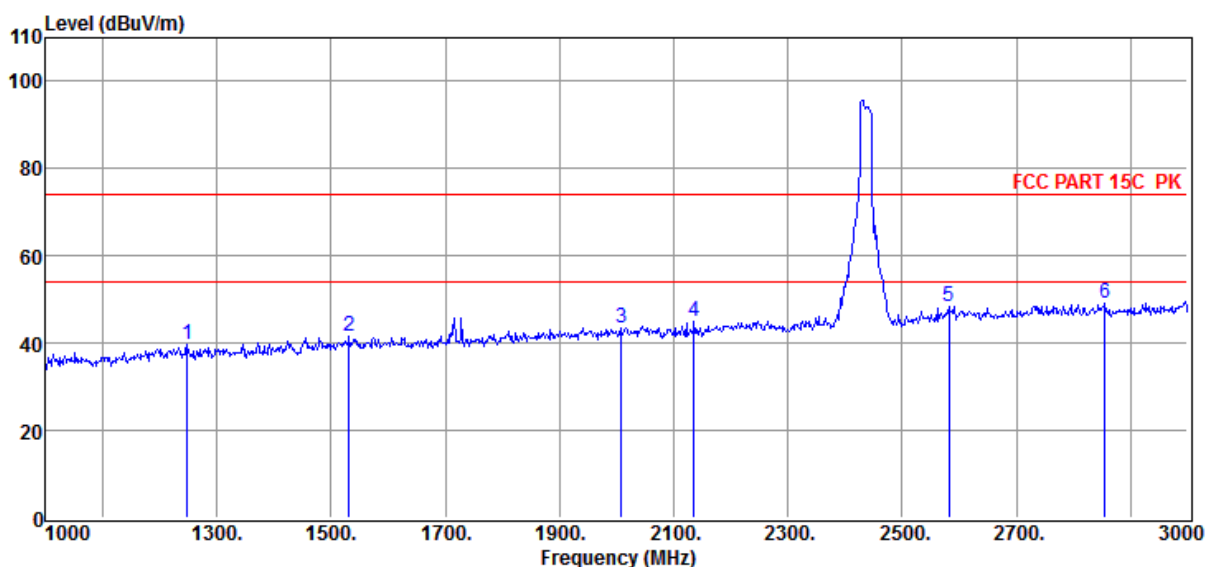
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 MCS0 ANT1 2437MHz

Data: 32



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1248.00	-4.75	39.73	74.00	-34.27	163	225	Peak	VERTICAL
2	1532.00	-2.64	41.50	74.00	-32.50	150	228	Peak	VERTICAL
3	2008.00	0.38	43.64	74.00	-30.36	180	222	Peak	VERTICAL
4	2136.00	0.97	44.98	74.00	-29.02	184	98	Peak	VERTICAL
5	2582.00	5.51	48.29	74.00	-25.71	178	339	Peak	VERTICAL
6	2856.00	6.75	48.98	74.00	-25.02	156	277	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

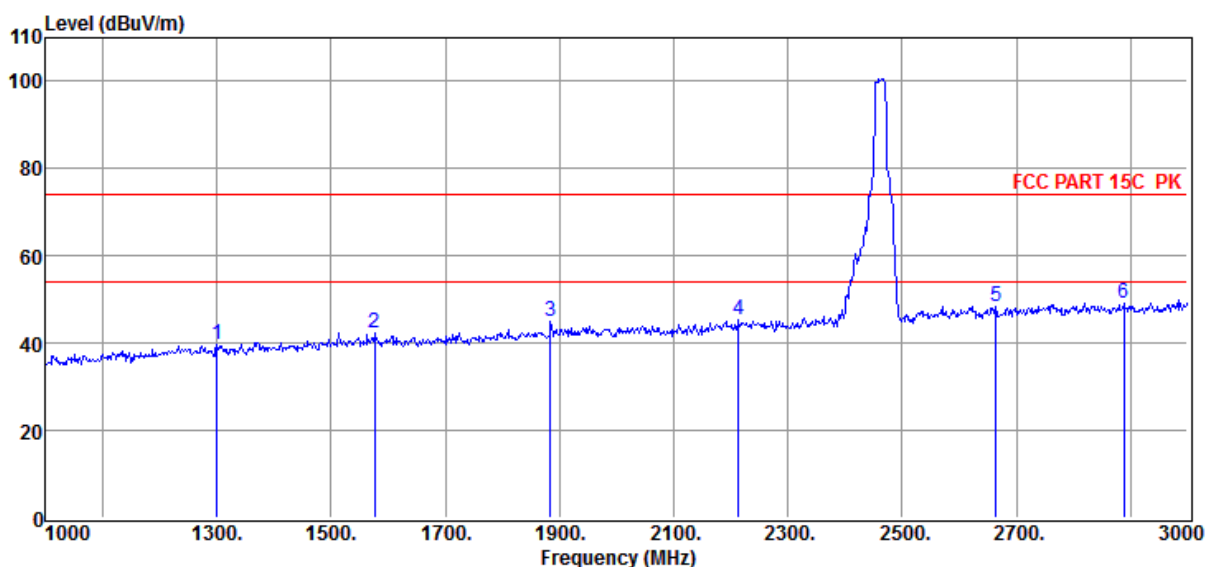
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 MCS0 ANT1 2462MHz

Data: 33



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1300.00	-4.69	39.74	74.00	-34.26	177	324	Peak	VERTICAL
2	1576.00	-2.37	42.16	74.00	-31.84	151	135	Peak	VERTICAL
3	1884.00	-0.16	44.88	74.00	-29.12	167	6	Peak	VERTICAL
4	2214.00	2.37	45.43	74.00	-28.57	178	311	Peak	VERTICAL
5	2664.00	5.47	48.39	74.00	-25.61	173	270	Peak	VERTICAL
6	2888.00	6.92	48.98	74.00	-25.02	161	9	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

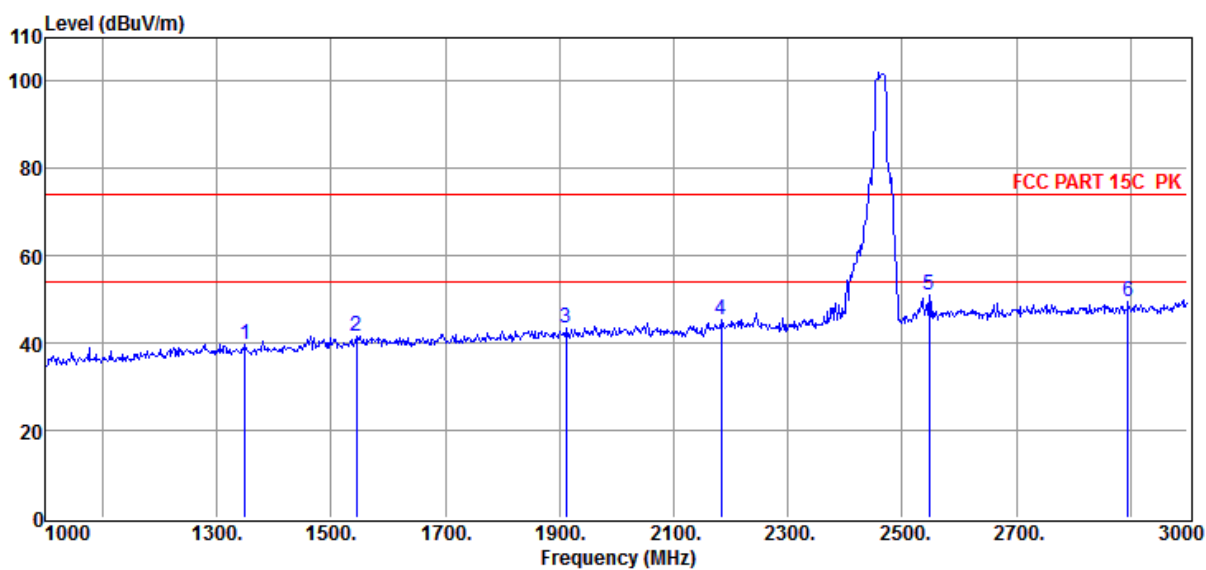
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 MCS0 ANT1 2462MHz

Data: 34



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1350.00	-4.36	39.68	74.00	-34.32	190	201	Peak	HORIZONTAL
2	1544.00	-2.52	41.65	74.00	-32.35	174	353	Peak	HORIZONTAL
3	1912.00	0.01	43.38	74.00	-30.62	185	144	Peak	HORIZONTAL
4	2184.00	1.98	45.28	74.00	-28.72	158	283	Peak	HORIZONTAL
5	2548.00	4.75	50.99	74.00	-23.01	189	168	Peak	HORIZONTAL
6	2896.00	6.97	49.37	74.00	-24.63	169	206	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

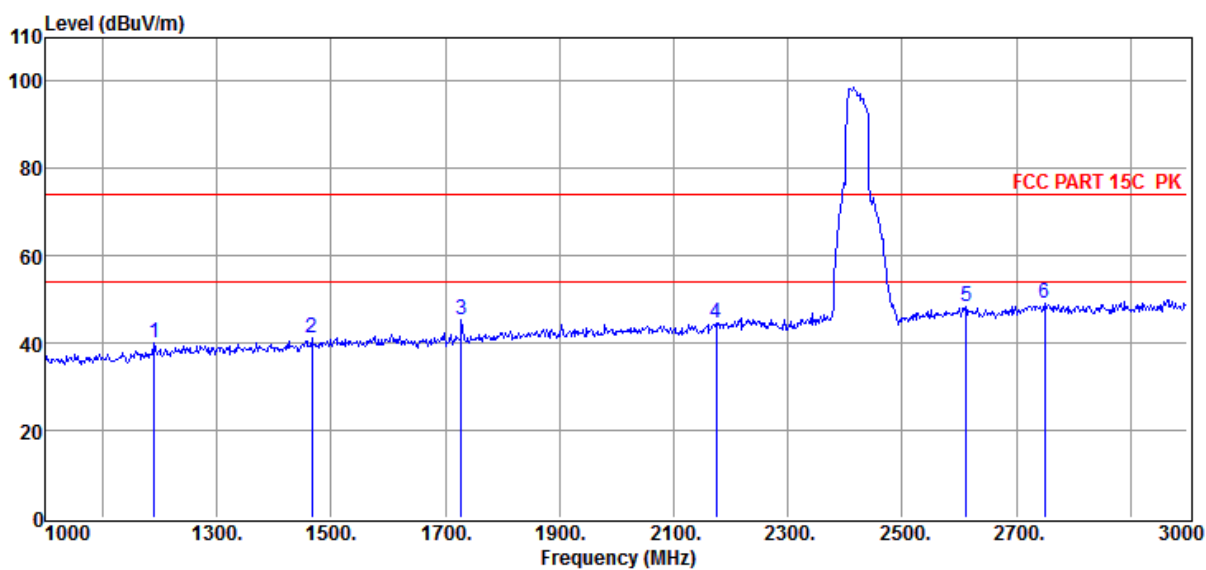
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 MCS0 ANT1 2422MHz

Data: 35



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1190.00	-5.52	39.99	74.00	-34.01	181	250	Peak	HORIZONTAL
2	1466.00	-3.31	41.13	74.00	-32.87	160	207	Peak	HORIZONTAL
3	1728.00	-1.68	45.33	74.00	-28.67	183	278	Peak	HORIZONTAL
4	2174.00	1.74	44.54	74.00	-29.46	150	83	Peak	HORIZONTAL
5	2612.00	5.76	48.42	74.00	-25.58	184	1	Peak	HORIZONTAL
6	2750.00	6.65	49.04	74.00	-24.96	158	57	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

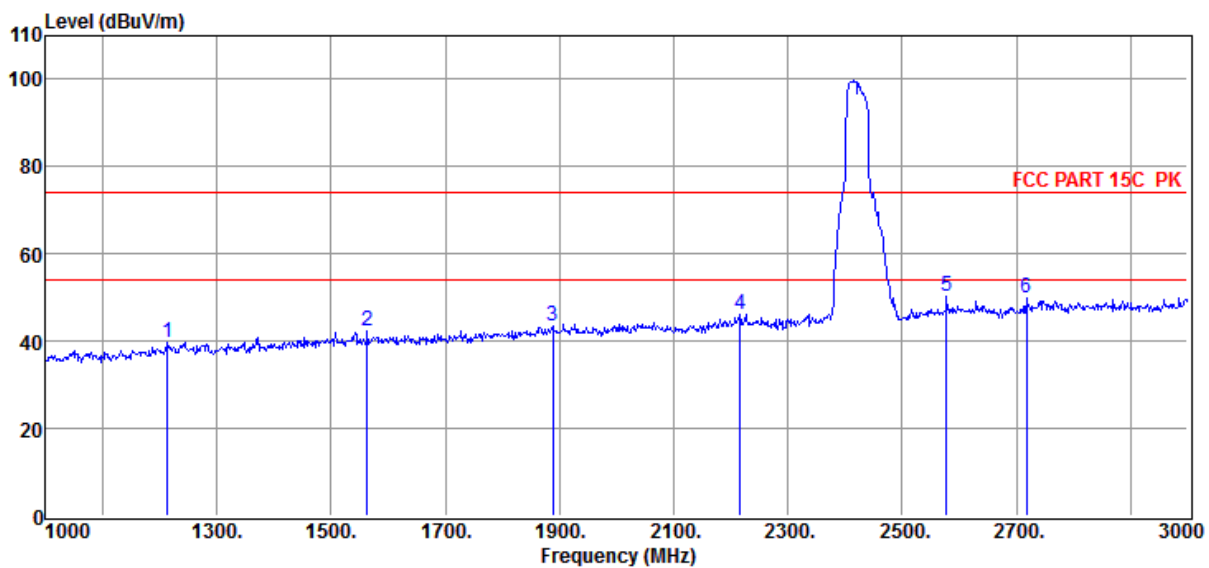
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 MCS0 ANT1 2422MHz

Data: 36



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1214.00	-5.15	39.75	74.00	-34.25	160	57	Peak	VERTICAL
2	1564.00	-2.41	42.29	74.00	-31.71	185	122	Peak	VERTICAL
3	1888.00	-0.14	43.57	74.00	-30.43	152	263	Peak	VERTICAL
4	2216.00	2.37	46.14	74.00	-27.86	184	313	Peak	VERTICAL
5	2578.00	5.42	50.09	74.00	-23.91	182	260	Peak	VERTICAL
6	2718.00	6.18	49.82	74.00	-24.18	184	239	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

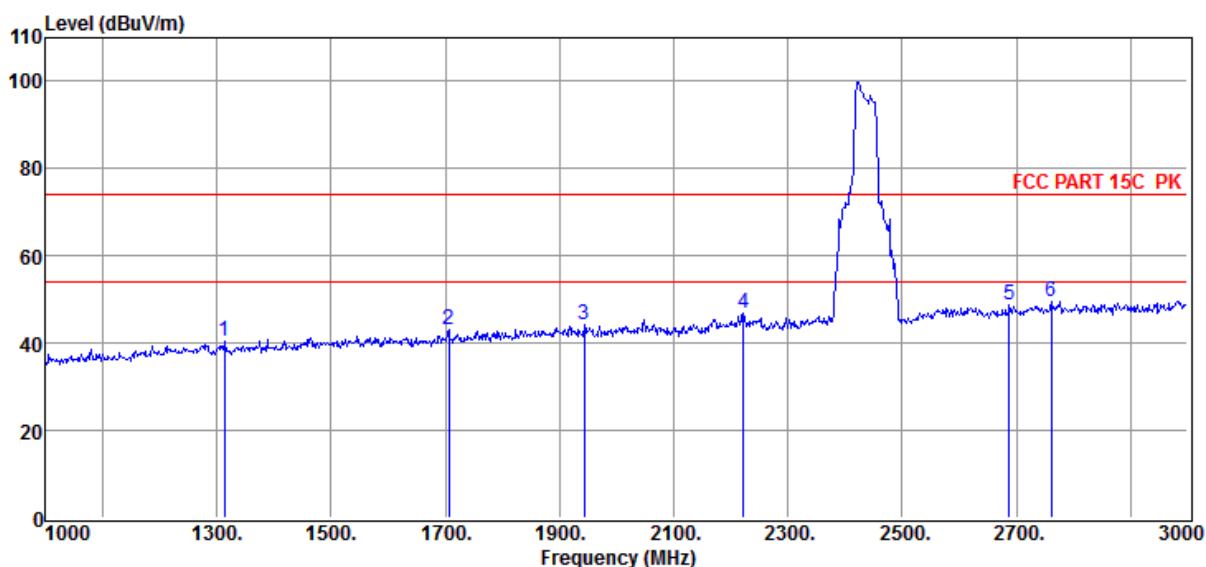
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 MCS0 ANT1 2437MHz

Data: 37



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1314.00	-4.59	40.62	74.00	-33.38	190	221	Peak	VERTICAL
2	1706.00	-1.91	43.20	74.00	-30.80	173	87	Peak	VERTICAL
3	1944.00	0.26	44.28	74.00	-29.72	170	0	Peak	VERTICAL
4	2222.00	2.37	46.99	74.00	-27.01	184	70	Peak	VERTICAL
5	2688.00	5.76	48.75	74.00	-25.25	170	267	Peak	VERTICAL
6	2762.00	6.59	49.51	74.00	-24.49	167	290	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

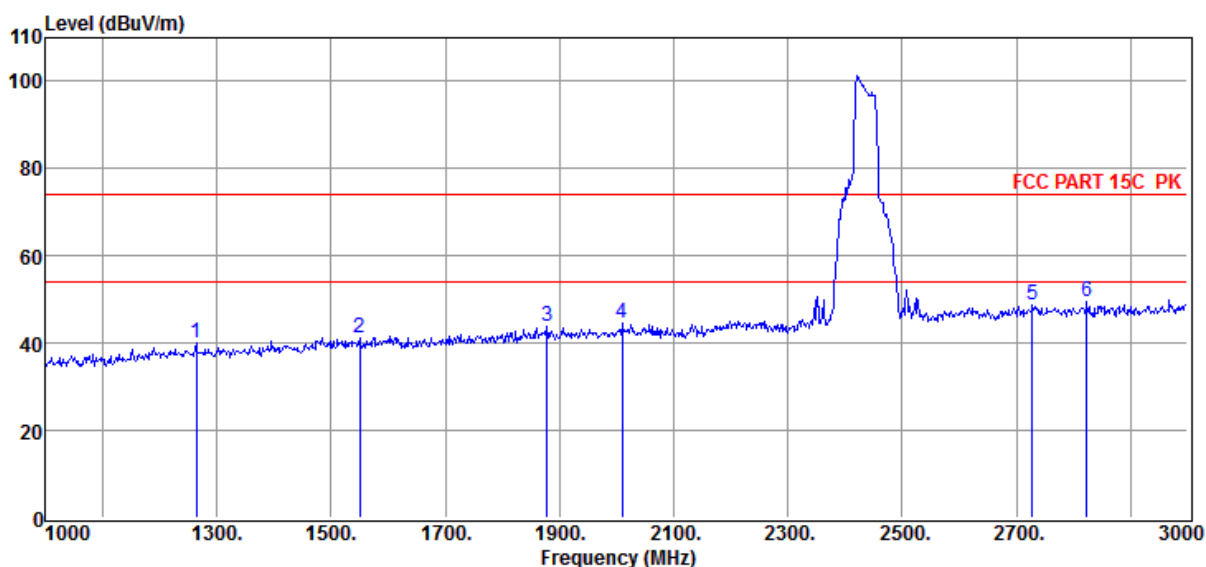
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 MCS0 ANT1 2437MHz

Data: 38



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1264.00	-4.71	39.94	74.00	-34.06	185	52	Peak	HORIZONTAL
2	1550.00	-2.46	41.34	74.00	-32.66	155	207	Peak	HORIZONTAL
3	1878.00	-0.19	43.87	74.00	-30.13	168	24	Peak	HORIZONTAL
4	2010.00	0.42	44.54	74.00	-29.46	180	87	Peak	HORIZONTAL
5	2728.00	6.33	48.83	74.00	-25.17	164	210	Peak	HORIZONTAL
6	2824.00	6.54	49.41	74.00	-24.59	171	135	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

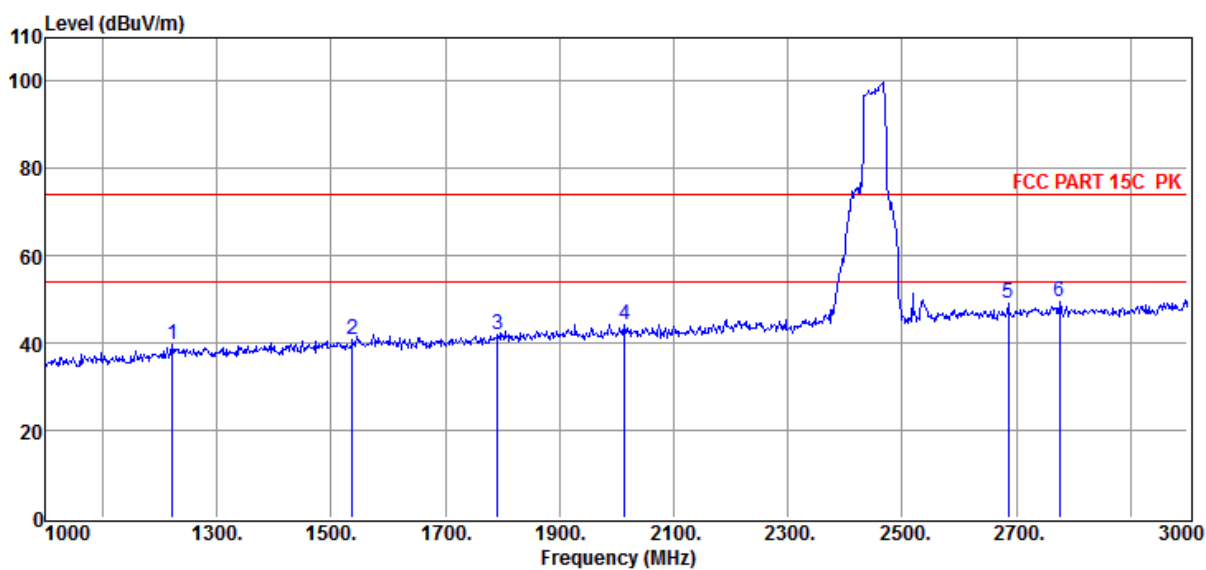
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 MCS0 ANT1 2452MHz

Data: 39



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1222.00	-5.05	39.63	74.00	-34.37	170	281	Peak	HORIZONTAL
2	1538.00	-2.58	40.65	74.00	-33.35	187	112	Peak	HORIZONTAL
3	1792.00	-1.18	41.85	74.00	-32.15	185	291	Peak	HORIZONTAL
4	2014.00	0.49	44.29	74.00	-29.71	178	99	Peak	HORIZONTAL
5	2686.00	5.74	49.16	74.00	-24.84	176	274	Peak	HORIZONTAL
6	2776.00	6.51	49.56	74.00	-24.44	180	214	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

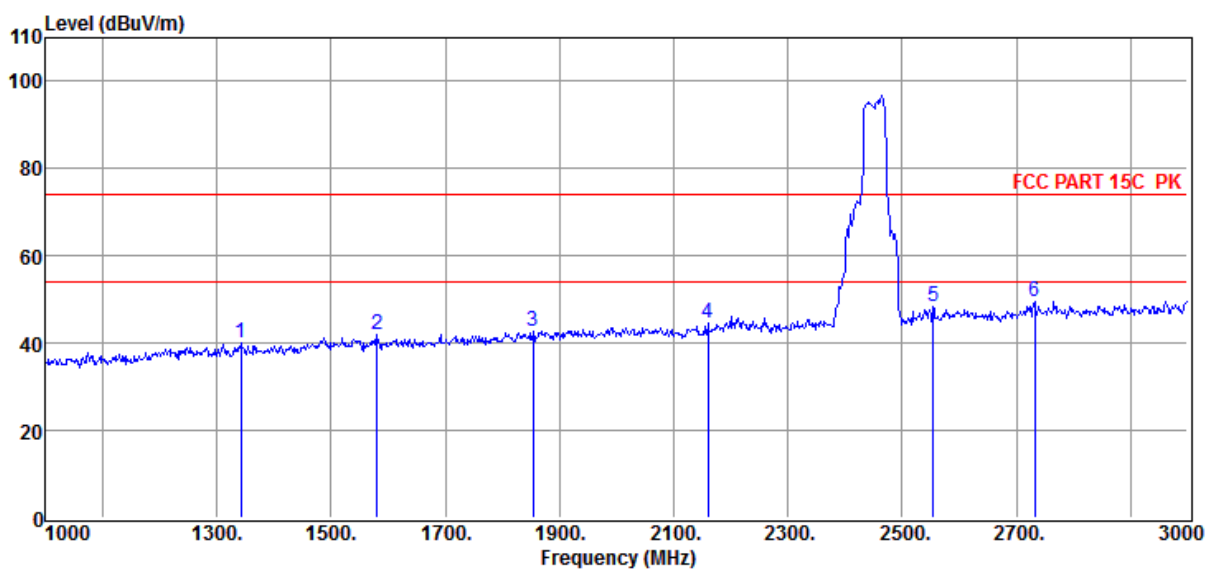
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 MCS0 ANT1 2452MHz

Data: 40



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	1342.00	-4.41	40.18	74.00	-33.82	177	46	Peak	VERTICAL
2	1580.00	-2.35	41.92	74.00	-32.08	180	296	Peak	VERTICAL
3	1854.00	-0.31	42.66	74.00	-31.34	174	73	Peak	VERTICAL
4	2160.00	1.39	44.64	74.00	-29.36	189	36	Peak	VERTICAL
5	2554.00	4.88	48.30	74.00	-25.70	181	122	Peak	VERTICAL
6	2732.00	6.38	49.65	74.00	-24.35	159	112	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission test (3 GHz – 18GHz)

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

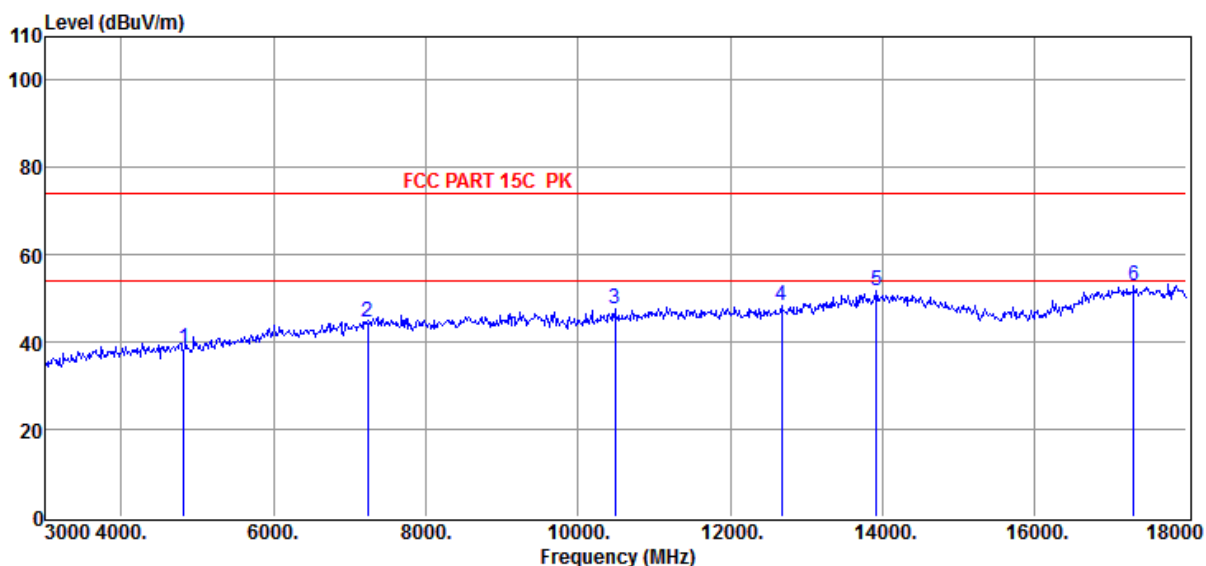
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11B 1M 2412MHz

Data: 25



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4824.00	0.83	38.39	74.00	-35.61	175	269	Peak	VERTICAL
2	7236.00	6.19	44.63	74.00	-29.37	158	116	Peak	VERTICAL
3	10485.00	8.91	47.72	74.00	-26.28	187	68	Peak	VERTICAL
4	12675.00	9.87	48.26	74.00	-25.74	175	10	Peak	VERTICAL
5	13920.00	12.66	51.60	74.00	-22.40	151	55	Peak	VERTICAL
6	17310.00	15.80	53.07	74.00	-20.93	163	307	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

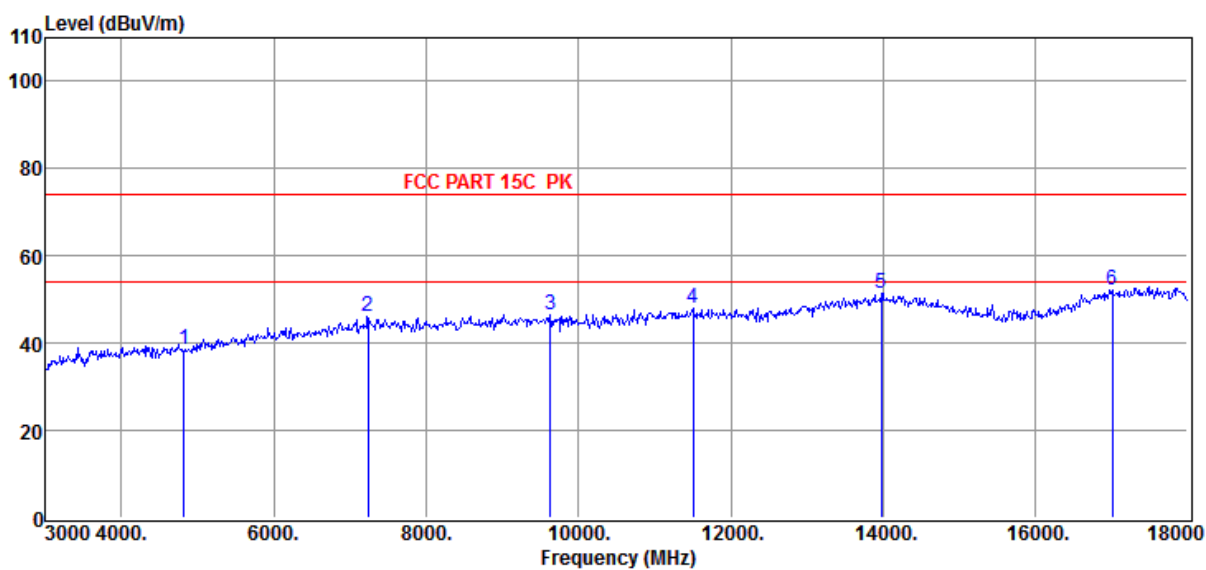
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11B 1M 2412MHz

Data: 26



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4824.00	0.83	38.58	74.00	-35.42	165	162	Peak	HORIZONTAL
2	7236.00	6.19	45.95	74.00	-28.05	160	299	Peak	HORIZONTAL
3	9630.00	8.09	46.64	74.00	-27.36	189	138	Peak	HORIZONTAL
4	11505.00	10.09	47.83	74.00	-26.17	164	103	Peak	HORIZONTAL
5	13980.00	12.92	51.58	74.00	-22.42	152	123	Peak	HORIZONTAL
6	17010.00	16.24	52.34	74.00	-21.66	164	220	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

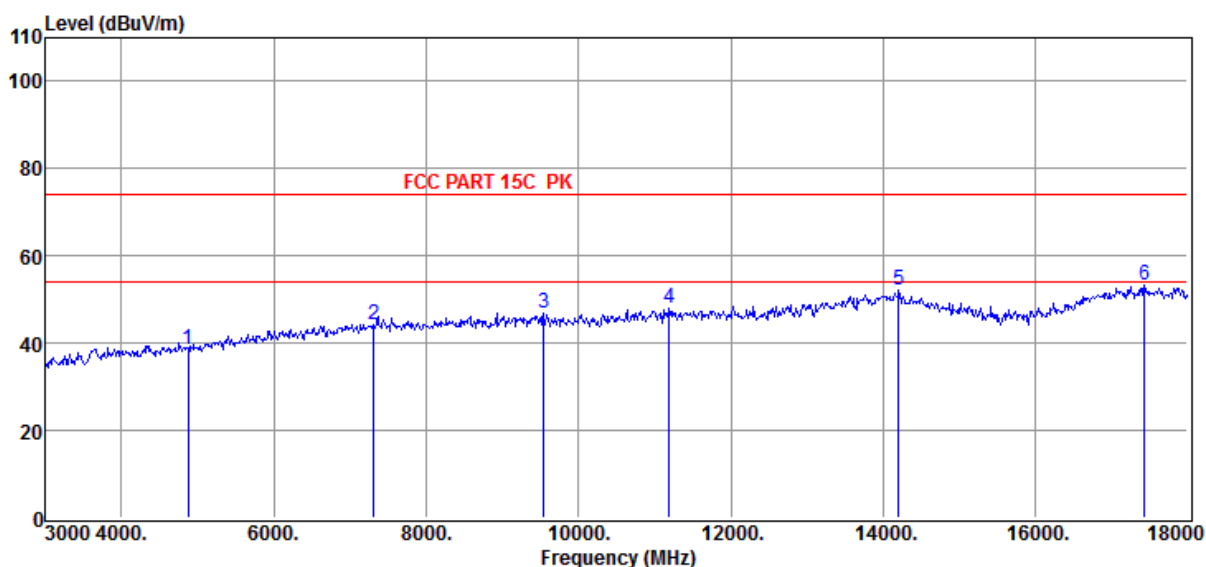
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11B 1M 2437MHz

Data: 27



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4874.00	0.92	38.46	74.00	-35.54	177	47	Peak	HORIZONTAL
2	7311.00	6.34	44.31	74.00	-29.69	167	30	Peak	HORIZONTAL
3	9540.00	7.90	47.02	74.00	-26.98	177	48	Peak	HORIZONTAL
4	11190.00	10.36	48.19	74.00	-25.81	154	230	Peak	HORIZONTAL
5	14205.00	14.01	52.03	74.00	-21.97	157	167	Peak	HORIZONTAL
6	17430.00	15.59	53.44	74.00	-20.56	163	298	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

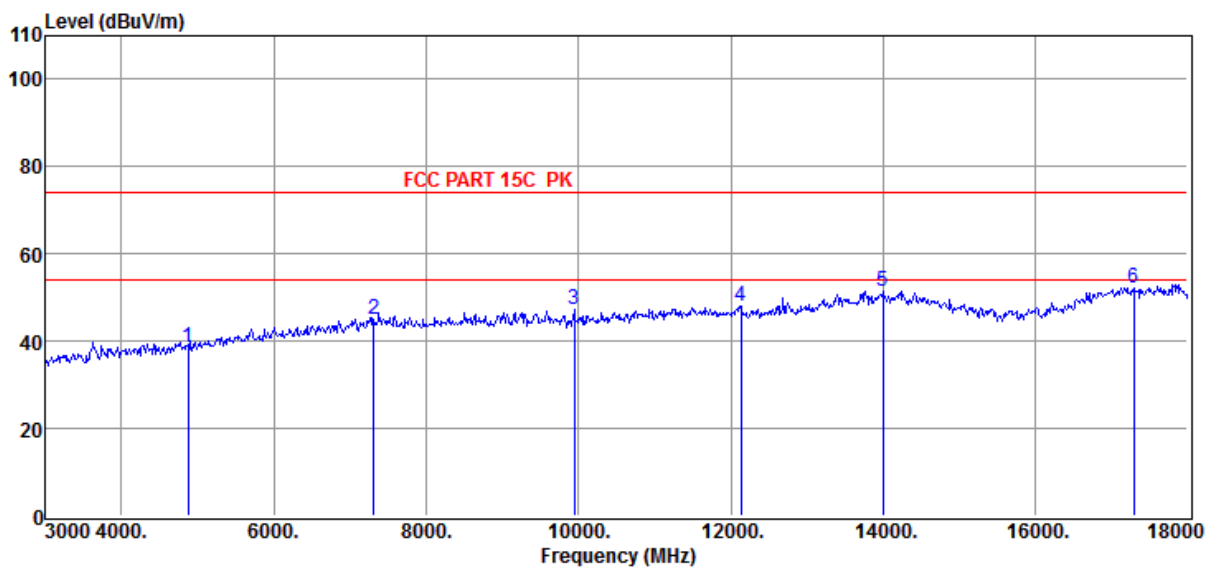
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11B 1M 2437MHz

Data: 28



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4874.00	0.92	38.57	74.00	-35.43	171	189	Peak	VERTICAL
2	7311.00	6.34	45.13	74.00	-28.87	164	15	Peak	VERTICAL
3	9945.00	8.15	47.26	74.00	-26.74	184	190	Peak	VERTICAL
4	12135.00	9.80	48.13	74.00	-25.87	162	257	Peak	VERTICAL
5	13995.00	12.98	51.55	74.00	-22.45	189	275	Peak	VERTICAL
6	17295.00	15.81	52.24	74.00	-21.76	173	2	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

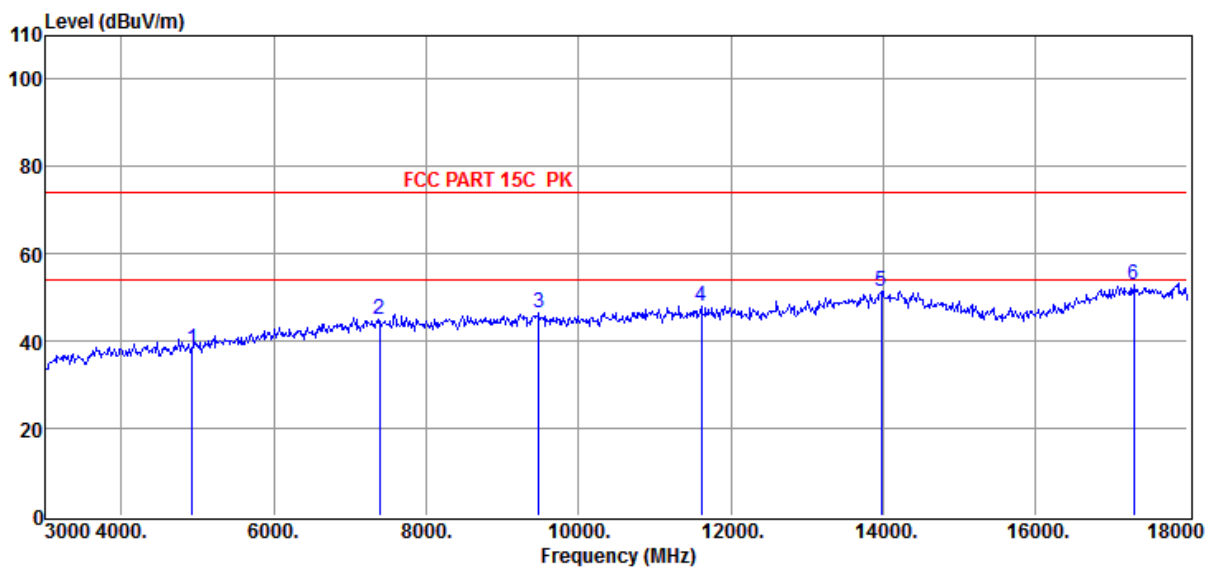
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11B 1M 2462MHz

Data: 29



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4924.00	1.07	38.13	74.00	-35.87	157	230	Peak	VERTICAL
2	7386.00	6.24	45.12	74.00	-28.88	171	187	Peak	VERTICAL
3	9480.00	7.86	46.67	74.00	-27.33	152	274	Peak	VERTICAL
4	11610.00	10.06	48.04	74.00	-25.96	161	133	Peak	VERTICAL
5	13980.00	12.92	51.51	74.00	-22.49	166	357	Peak	VERTICAL
6	17295.00	15.81	53.11	74.00	-20.89	165	66	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

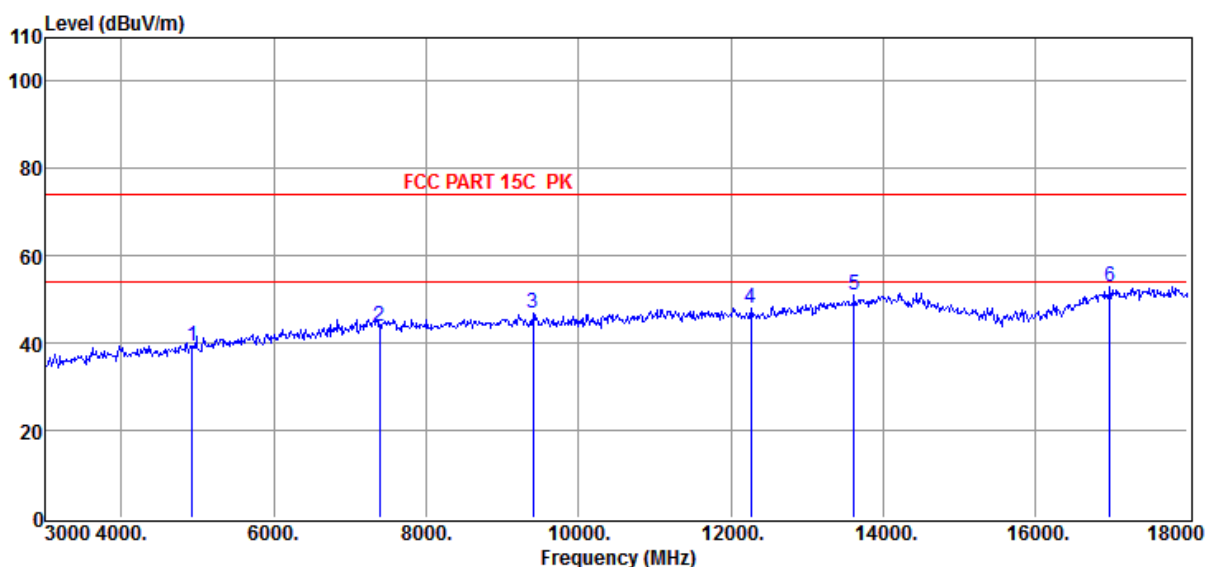
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11B 1M 2462MHz

Data: 30



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4924.00	1.07	39.15	74.00	-34.85	182	73	Peak	HORIZONTAL
2	7386.00	6.24	43.94	74.00	-30.06	178	289	Peak	HORIZONTAL
3	9405.00	8.17	46.77	74.00	-27.23	190	261	Peak	HORIZONTAL
4	12270.00	9.39	48.04	74.00	-25.96	167	278	Peak	HORIZONTAL
5	13620.00	11.55	51.18	74.00	-22.82	161	276	Peak	HORIZONTAL
6	16980.00	16.03	53.05	74.00	-20.95	190	125	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

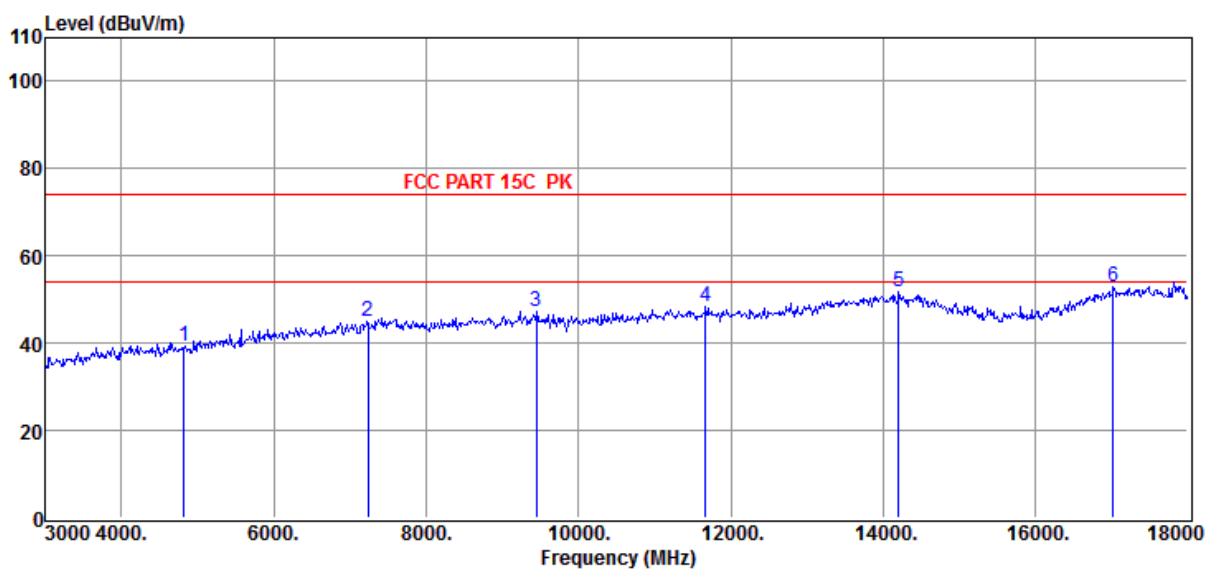
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11G 6M 2412MHz

Data: 31



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4824.00	0.83	39.32	74.00	-34.68	189	199	Peak	HORIZONTAL
2	7236.00	6.19	44.94	74.00	-29.06	188	89	Peak	HORIZONTAL
3	9450.00	7.98	47.44	74.00	-26.56	178	69	Peak	HORIZONTAL
4	11670.00	10.04	48.29	74.00	-25.71	158	246	Peak	HORIZONTAL
5	14205.00	14.01	51.78	74.00	-22.22	171	30	Peak	HORIZONTAL
6	17025.00	16.14	52.91	74.00	-21.09	154	170	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

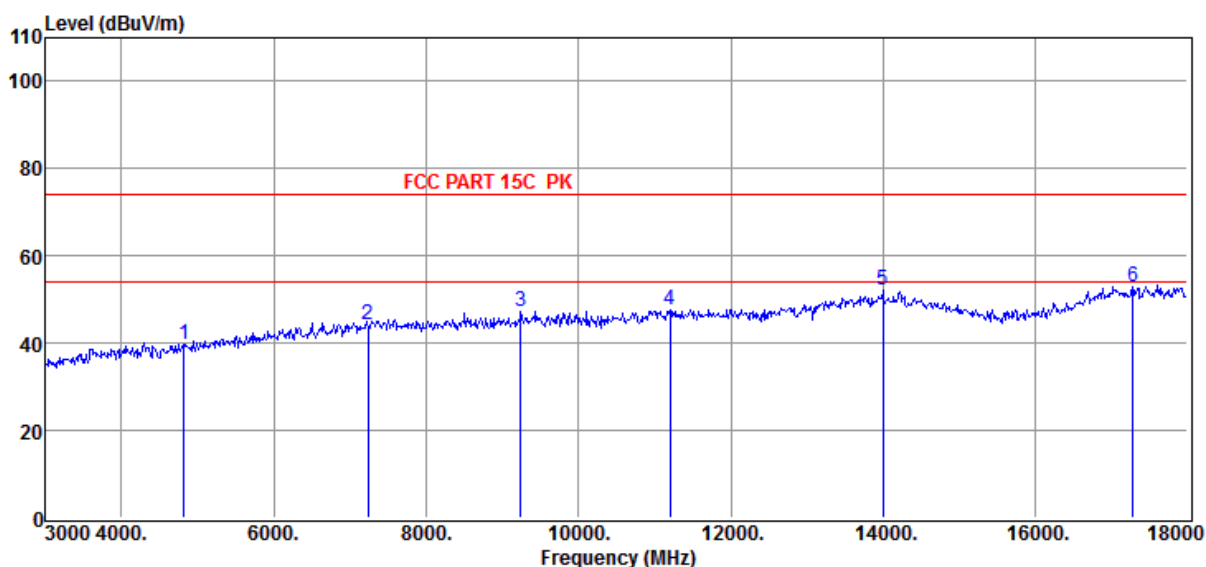
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11G 6M 2412MHz

Data: 32



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4824.00	0.83	39.81	74.00	-34.19	184	13	Peak	VERTICAL
2	7236.00	6.19	44.39	74.00	-29.61	188	284	Peak	VERTICAL
3	9240.00	7.43	47.39	74.00	-26.61	179	297	Peak	VERTICAL
4	11205.00	10.38	47.58	74.00	-26.42	153	11	Peak	VERTICAL
5	13995.00	12.98	52.10	74.00	-21.90	156	243	Peak	VERTICAL
6	17280.00	15.77	53.10	74.00	-20.90	188	359	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

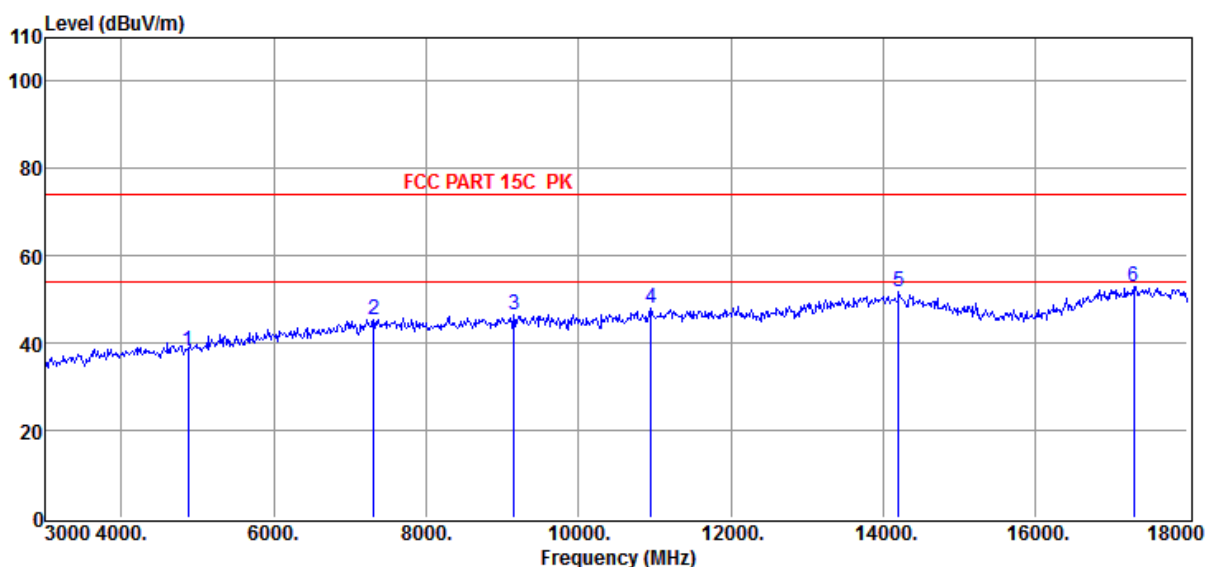
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11G 6M 2437MHz

Data: 33



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4874.00	0.92	38.26	74.00	-35.74	167	140	Peak	VERTICAL
2	7311.00	6.34	45.32	74.00	-28.68	179	9	Peak	VERTICAL
3	9150.00	7.17	46.36	74.00	-27.64	155	29	Peak	VERTICAL
4	10950.00	9.68	47.99	74.00	-26.01	170	10	Peak	VERTICAL
5	14205.00	14.01	51.86	74.00	-22.14	175	83	Peak	VERTICAL
6	17295.00	15.81	53.02	74.00	-20.98	187	24	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

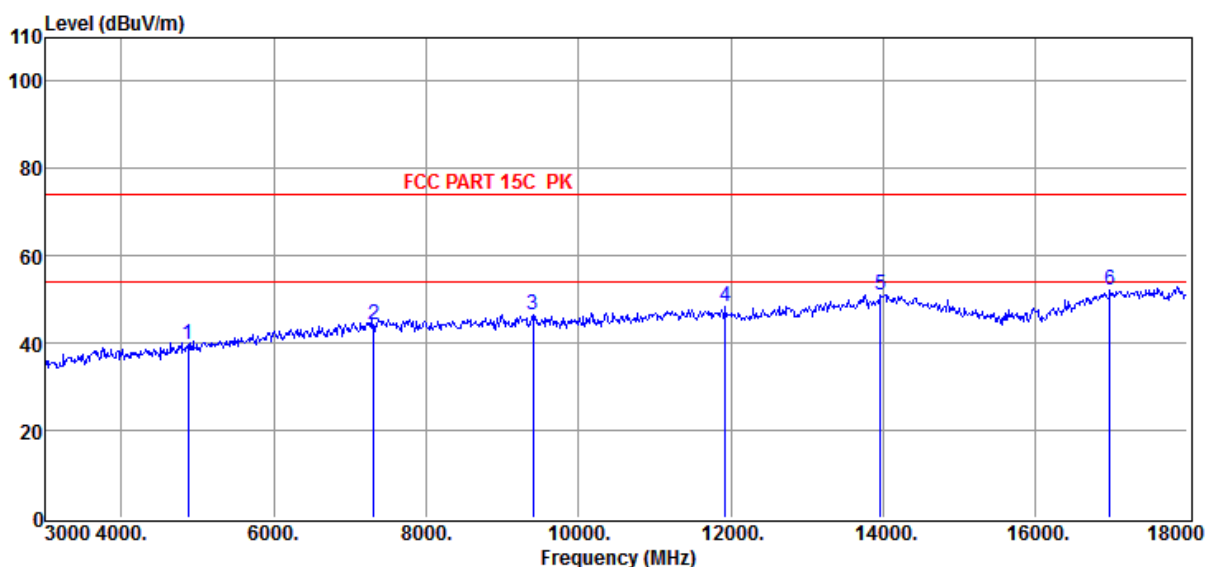
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11G 6M 2437MHz

Data: 34



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4874.00	0.92	39.69	74.00	-34.31	164	26	Peak	HORIZONTAL
2	7311.00	6.34	44.28	74.00	-29.72	188	77	Peak	HORIZONTAL
3	9405.00	8.17	46.57	74.00	-27.43	179	295	Peak	HORIZONTAL
4	11925.00	9.96	48.29	74.00	-25.71	168	213	Peak	HORIZONTAL
5	13965.00	12.85	51.22	74.00	-22.78	155	124	Peak	HORIZONTAL
6	16980.00	16.03	52.29	74.00	-21.71	165	176	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

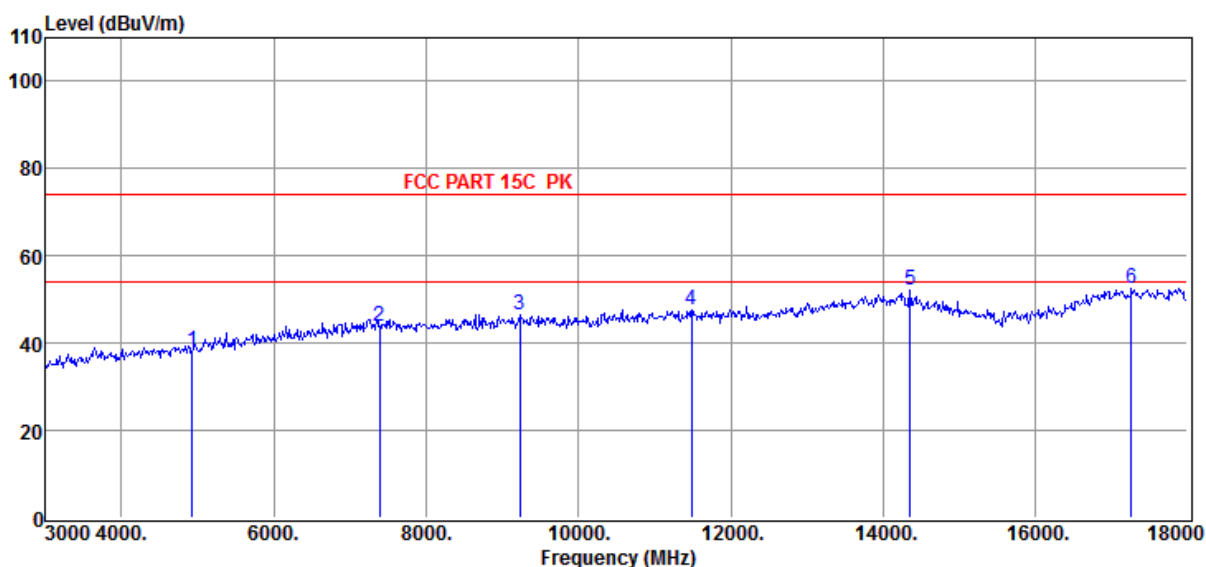
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11G 6M 2462MHz

Data: 35



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4924.00	1.07	38.01	74.00	-35.99	162	165	Peak	HORIZONTAL
2	7386.00	6.24	43.68	74.00	-30.32	178	272	Peak	HORIZONTAL
3	9225.00	7.37	46.63	74.00	-27.37	168	219	Peak	HORIZONTAL
4	11490.00	10.09	47.72	74.00	-26.28	170	43	Peak	HORIZONTAL
5	14355.00	13.39	52.17	74.00	-21.83	166	259	Peak	HORIZONTAL
6	17265.00	15.73	52.51	74.00	-21.49	162	338	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

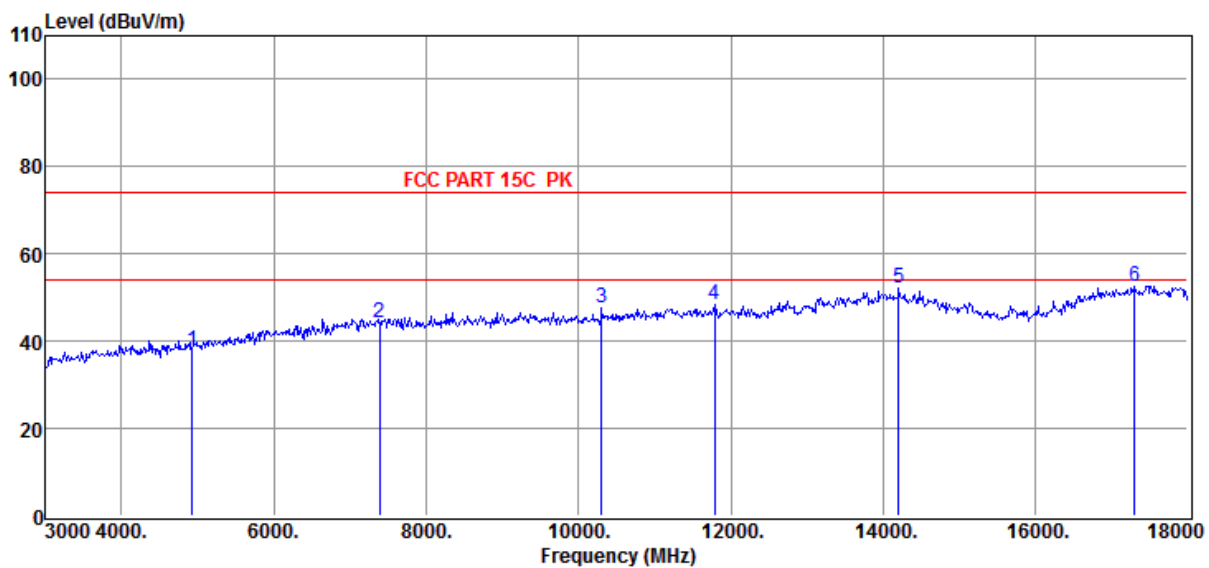
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11G 6M 2462MHz

Data: 36



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4924.00	1.07	37.86	74.00	-36.14	185	151	Peak	VERTICAL
2	7386.00	6.24	44.18	74.00	-29.82	160	91	Peak	VERTICAL
3	10305.00	8.64	47.55	74.00	-26.45	152	264	Peak	VERTICAL
4	11790.00	10.02	48.24	74.00	-25.76	178	278	Peak	VERTICAL
5	14205.00	14.01	52.27	74.00	-21.73	150	266	Peak	VERTICAL
6	17310.00	15.80	52.61	74.00	-21.39	186	82	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

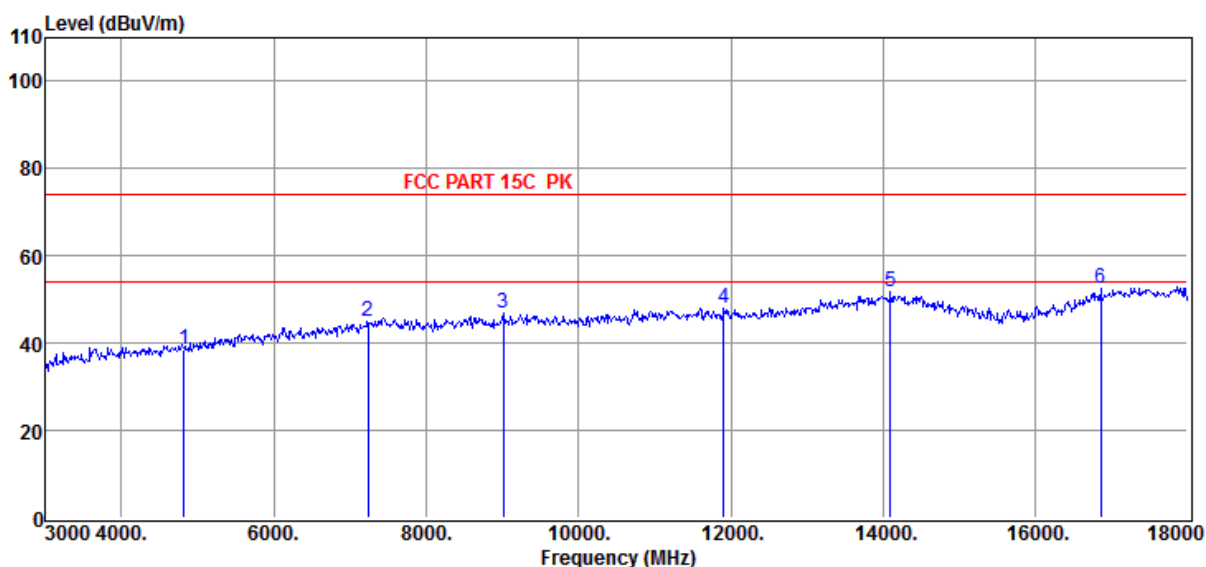
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 MCS0 2412MHz

Data: 37



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4824.00	0.83	38.42	74.00	-35.58	157	161	Peak	VERTICAL
2	7236.00	6.19	44.92	74.00	-29.08	166	255	Peak	VERTICAL
3	9015.00	7.16	46.74	74.00	-27.26	153	32	Peak	VERTICAL
4	11910.00	9.99	48.02	74.00	-25.98	180	42	Peak	VERTICAL
5	14100.00	13.07	51.69	74.00	-22.31	152	274	Peak	VERTICAL
6	16860.00	15.11	52.45	74.00	-21.55	188	51	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

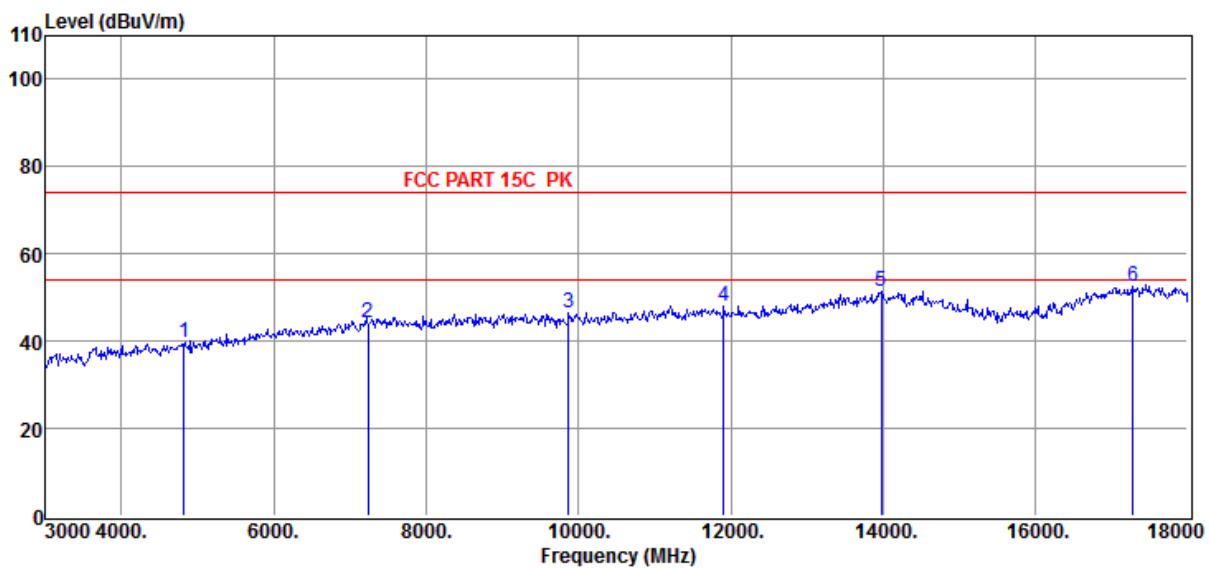
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 MCS0 2412MHz

Data: 38



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4824.00	0.83	39.84	74.00	-34.16	187	302	Peak	HORIZONTAL
2	7236.00	6.19	44.19	74.00	-29.81	159	129	Peak	HORIZONTAL
3	9870.00	8.24	46.62	74.00	-27.38	158	314	Peak	HORIZONTAL
4	11910.00	9.99	47.97	74.00	-26.03	166	4	Peak	HORIZONTAL
5	13980.00	12.92	51.54	74.00	-22.46	151	322	Peak	HORIZONTAL
6	17280.00	15.77	52.67	74.00	-21.33	168	171	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

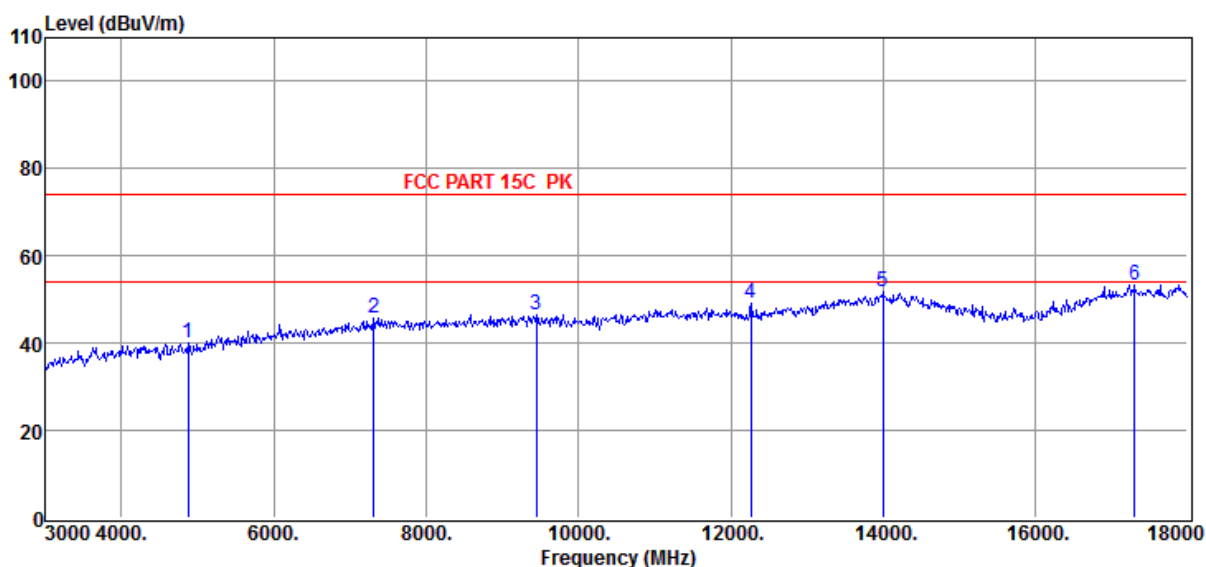
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 MCS0 2437MHz

Data: 39



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4874.00	0.92	40.06	74.00	-33.94	185	236	Peak	HORIZONTAL
2	7311.00	6.34	45.81	74.00	-28.19	159	232	Peak	HORIZONTAL
3	9450.00	7.98	46.44	74.00	-27.56	152	305	Peak	HORIZONTAL
4	12270.00	9.39	49.23	74.00	-24.77	184	158	Peak	HORIZONTAL
5	13995.00	12.98	51.73	74.00	-22.27	178	261	Peak	HORIZONTAL
6	17310.00	15.80	53.29	74.00	-20.71	161	304	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

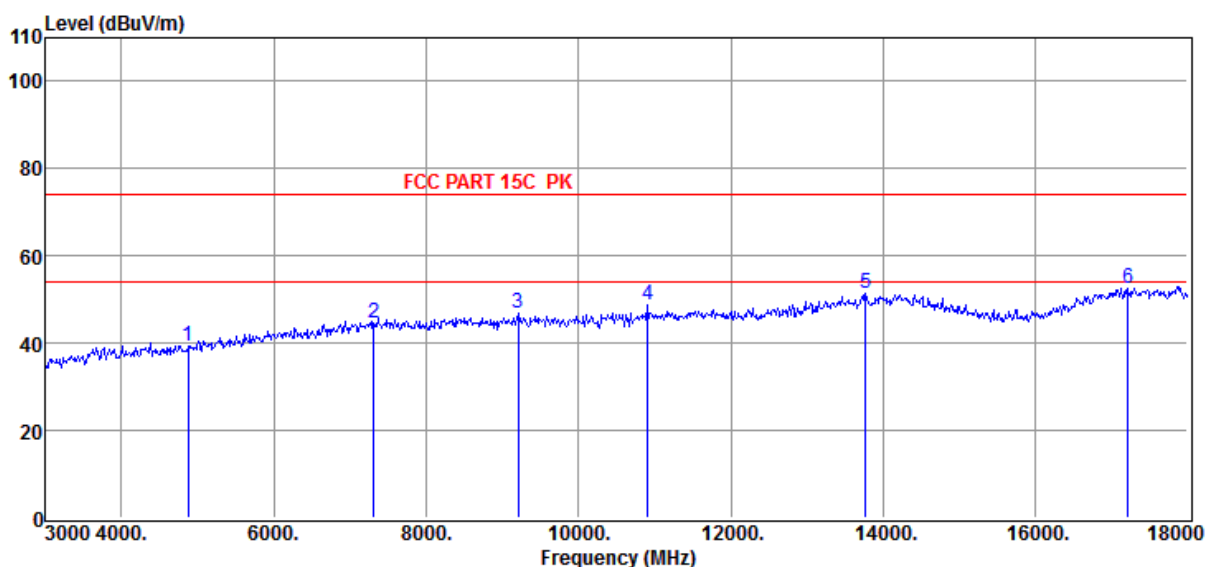
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 MCS0 2437MHz

Data: 40



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4874.00	0.92	39.23	74.00	-34.77	181	251	Peak	VERTICAL
2	7311.00	6.34	44.52	74.00	-29.48	150	289	Peak	VERTICAL
3	9210.00	7.32	46.88	74.00	-27.12	179	186	Peak	VERTICAL
4	10905.00	9.52	48.88	74.00	-25.12	172	84	Peak	VERTICAL
5	13770.00	11.98	51.30	74.00	-22.70	156	22	Peak	VERTICAL
6	17220.00	15.61	52.53	74.00	-21.47	185	114	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

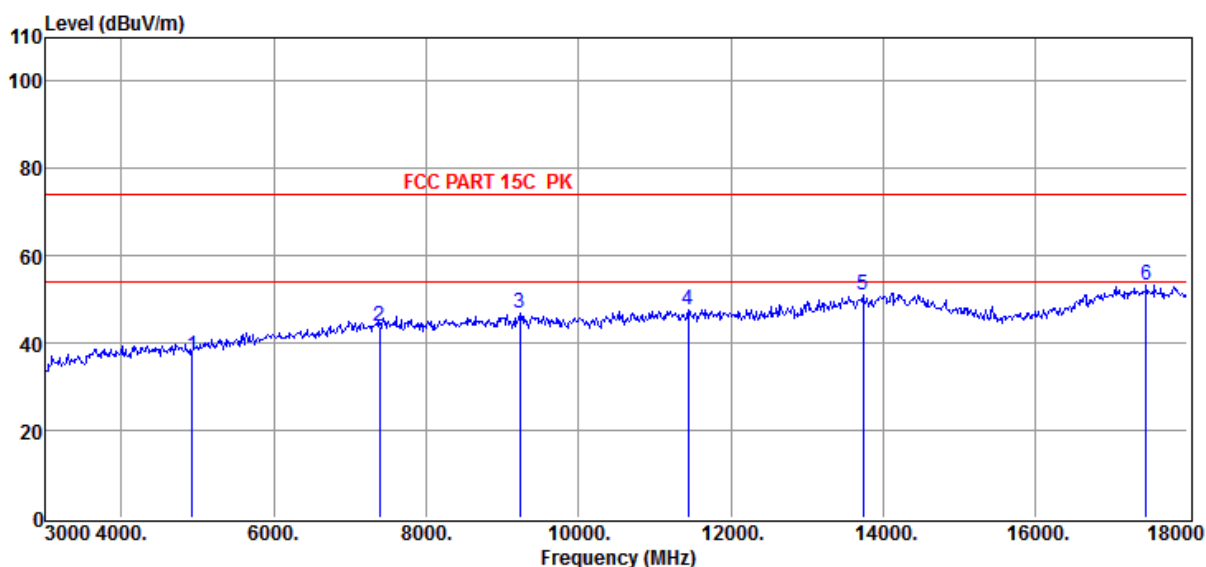
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 MCS0 2462MHz

Data: 41



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4924.00	1.07	37.10	74.00	-36.90	162	267	Peak	VERTICAL
2	7386.00	6.24	43.87	74.00	-30.13	172	298	Peak	VERTICAL
3	9225.00	7.37	47.06	74.00	-26.94	168	170	Peak	VERTICAL
4	11445.00	10.07	47.81	74.00	-26.19	183	271	Peak	VERTICAL
5	13740.00	11.94	51.01	74.00	-22.99	166	354	Peak	VERTICAL
6	17460.00	15.59	53.26	74.00	-20.74	169	132	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

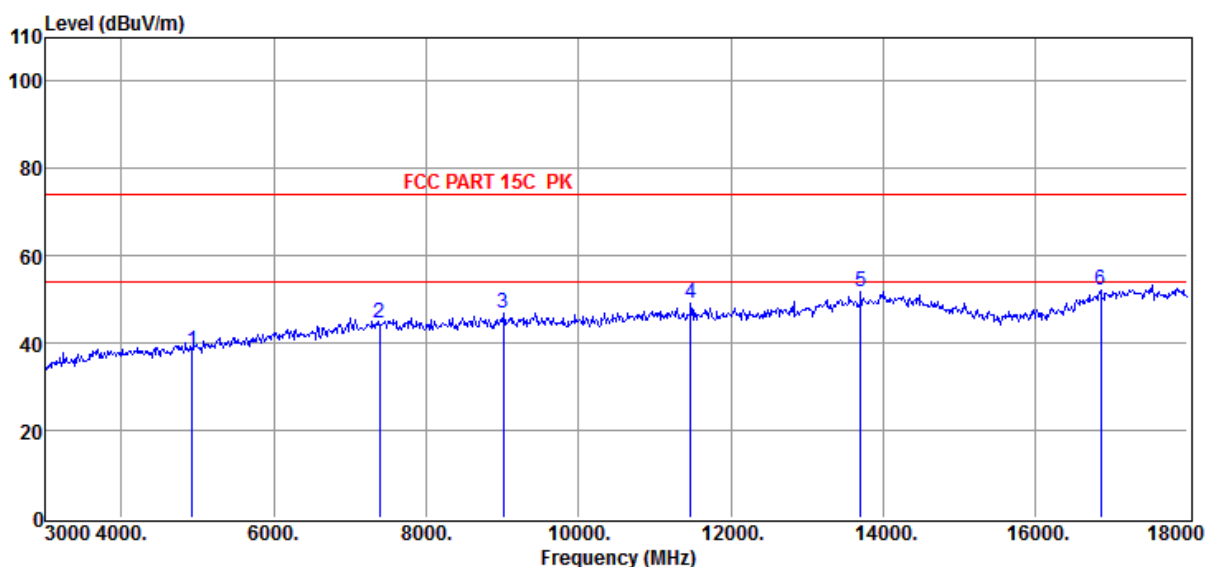
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 MCS0 2462MHz

Data: 42



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4924.00	1.07	38.31	74.00	-35.69	175	309	Peak	HORIZONTAL
2	7386.00	6.24	44.71	74.00	-29.29	175	46	Peak	HORIZONTAL
3	9015.00	7.16	46.78	74.00	-27.22	174	359	Peak	HORIZONTAL
4	11475.00	10.08	49.03	74.00	-24.97	186	258	Peak	HORIZONTAL
5	13710.00	11.91	51.77	74.00	-22.23	187	345	Peak	HORIZONTAL
6	16860.00	15.11	52.10	74.00	-21.90	154	26	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

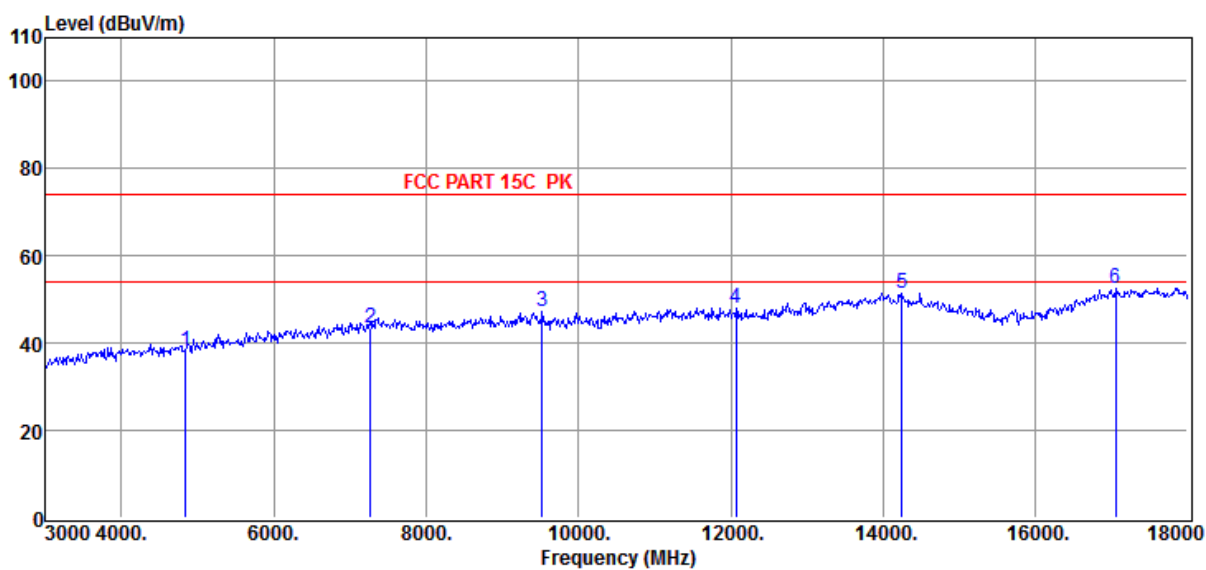
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 MCS0 2422MHz

Data: 43



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4844.00	0.88	38.36	74.00	-35.64	150	9	Peak	HORIZONTAL
2	7266.00	6.37	43.65	74.00	-30.35	153	292	Peak	HORIZONTAL
3	9525.00	7.85	47.13	74.00	-26.87	170	202	Peak	HORIZONTAL
4	12075.00	9.85	48.15	74.00	-25.85	162	128	Peak	HORIZONTAL
5	14250.00	13.46	51.59	74.00	-22.41	183	177	Peak	HORIZONTAL
6	17055.00	15.90	52.45	74.00	-21.55	178	40	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

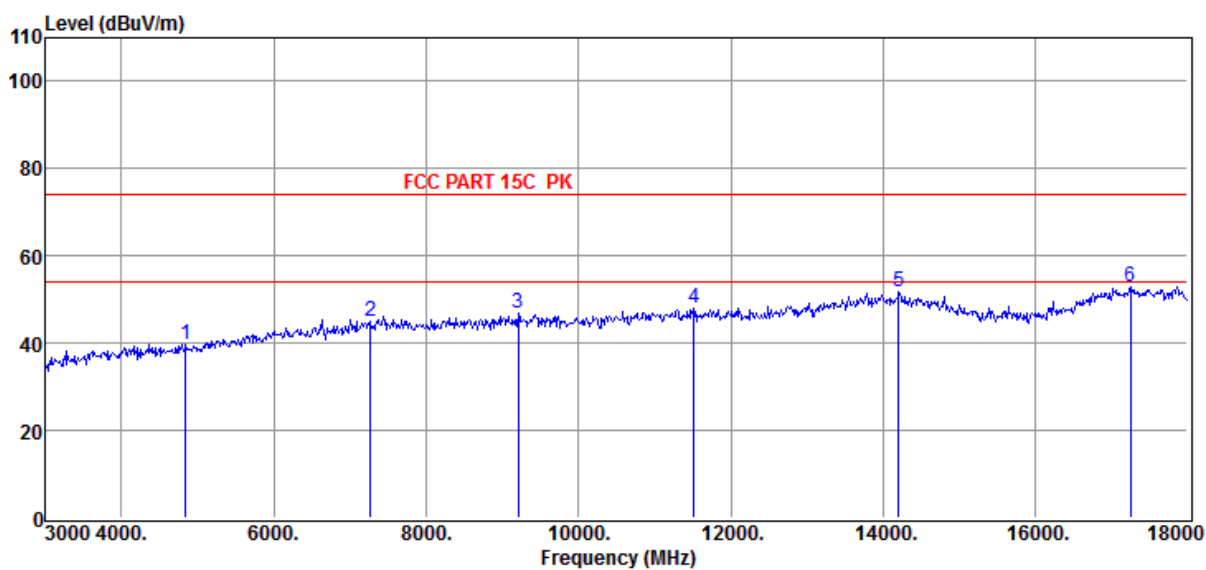
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 MCS0 2422MHz

Data: 44



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4844.00	0.88	39.56	74.00	-34.44	186	48	Peak	VERTICAL
2	7266.00	6.37	45.17	74.00	-28.83	171	252	Peak	VERTICAL
3	9210.00	7.32	46.79	74.00	-27.21	153	301	Peak	VERTICAL
4	11520.00	10.09	47.90	74.00	-26.10	182	206	Peak	VERTICAL
5	14205.00	14.01	51.71	74.00	-22.29	188	77	Peak	VERTICAL
6	17250.00	15.69	52.92	74.00	-21.08	154	27	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

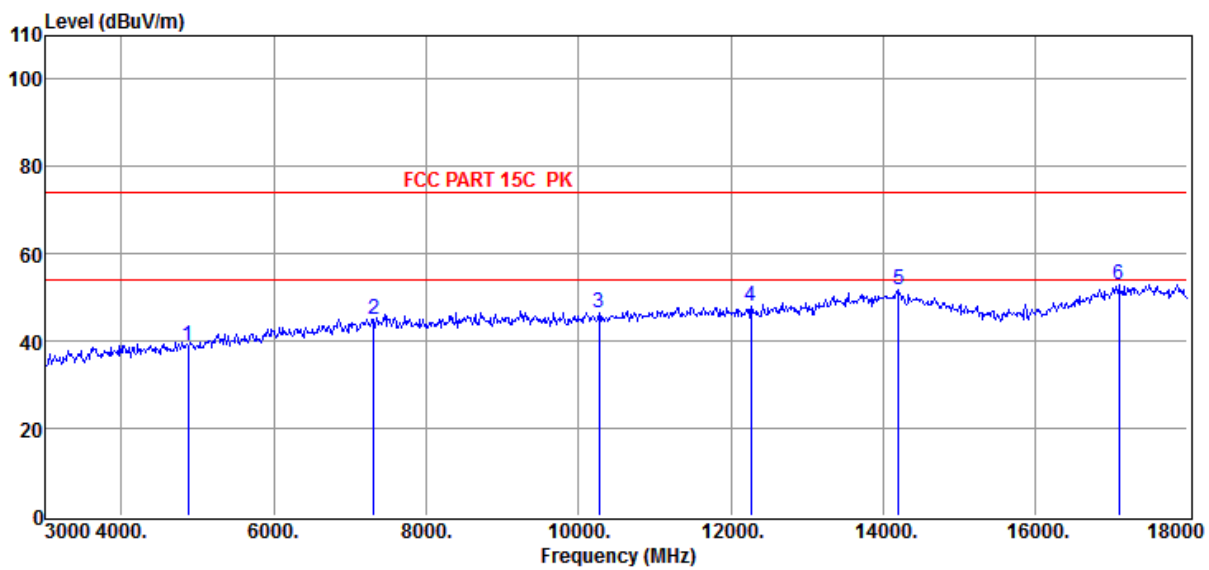
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 MCS0 2437MHz

Data: 45



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4874.00	0.92	38.83	74.00	-35.17	176	265	Peak	VERTICAL
2	7311.00	6.34	45.00	74.00	-29.00	168	330	Peak	VERTICAL
3	10275.00	8.47	46.59	74.00	-27.41	167	262	Peak	VERTICAL
4	12270.00	9.39	47.90	74.00	-26.10	163	339	Peak	VERTICAL
5	14205.00	14.01	51.93	74.00	-22.07	168	109	Peak	VERTICAL
6	17100.00	15.56	52.96	74.00	-21.04	181	105	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

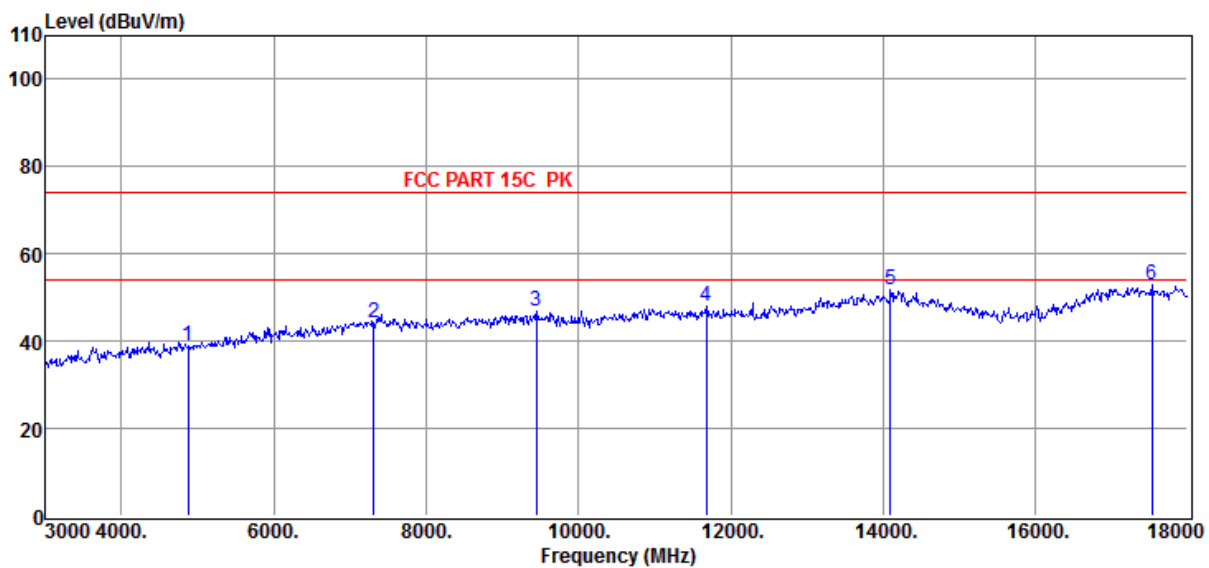
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 MCS0 2437MHz

Data: 46



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4874.00	0.92	38.97	74.00	-35.03	167	59	Peak	HORIZONTAL
2	7311.00	6.34	44.31	74.00	-29.69	151	129	Peak	HORIZONTAL
3	9450.00	7.98	46.78	74.00	-27.22	164	30	Peak	HORIZONTAL
4	11685.00	10.03	48.07	74.00	-25.93	161	226	Peak	HORIZONTAL
5	14100.00	13.07	51.70	74.00	-22.30	162	113	Peak	HORIZONTAL
6	17535.00	15.54	52.81	74.00	-21.19	173	45	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

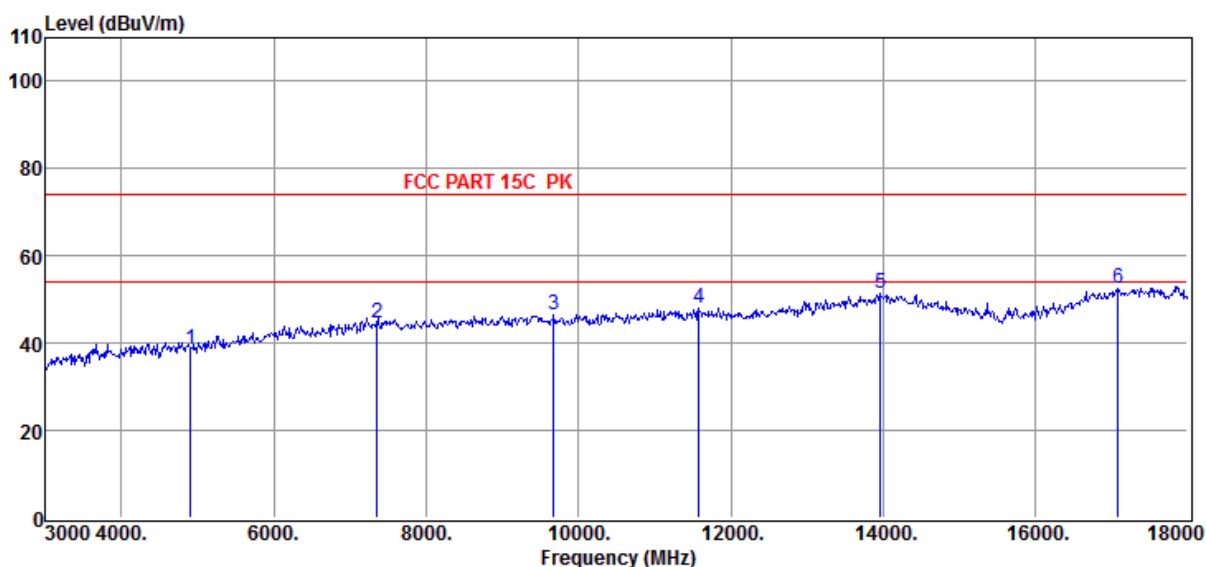
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 MCS0 2452MHz

Data: 47



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4904.00	0.96	38.47	74.00	-35.53	152	92	Peak	HORIZONTAL
2	7356.00	6.52	44.65	74.00	-29.35	164	321	Peak	HORIZONTAL
3	9675.00	8.07	46.52	74.00	-27.48	175	160	Peak	HORIZONTAL
4	11580.00	10.06	47.94	74.00	-26.06	190	213	Peak	HORIZONTAL
5	13965.00	12.85	51.27	74.00	-22.73	184	234	Peak	HORIZONTAL
6	17085.00	15.67	52.36	74.00	-21.64	160	19	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

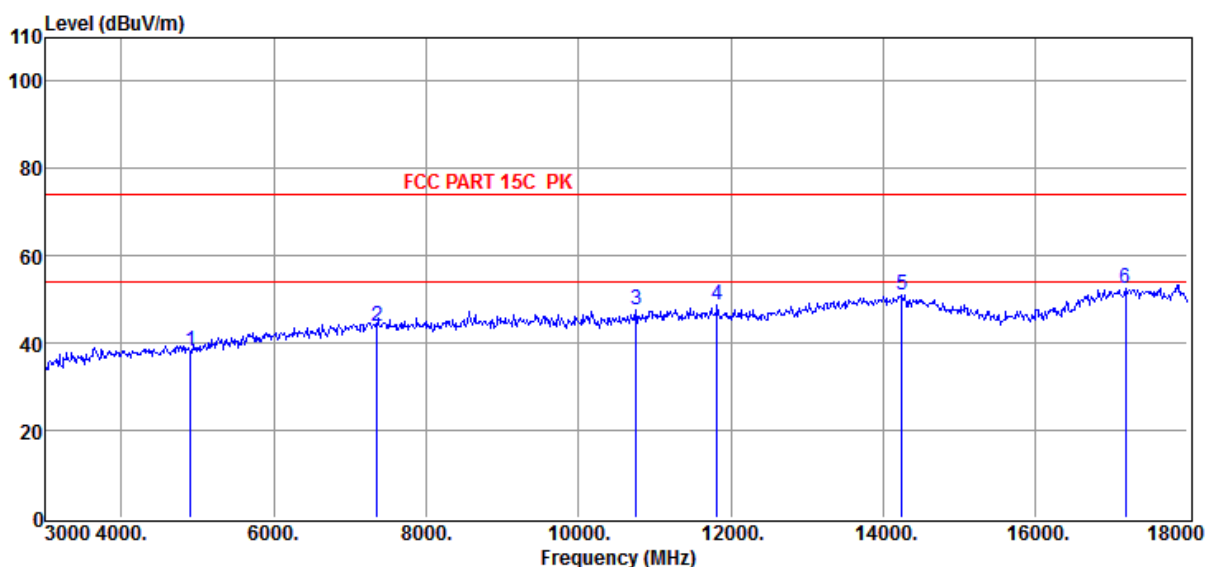
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 MCS0 2452MHz

Data: 48



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	4904.00	0.96	38.28	74.00	-35.72	168	331	Peak	VERTICAL
2	7356.00	6.52	43.97	74.00	-30.03	177	49	Peak	VERTICAL
3	10755.00	9.40	47.59	74.00	-26.41	181	83	Peak	VERTICAL
4	11820.00	10.02	48.61	74.00	-25.39	188	125	Peak	VERTICAL
5	14250.00	13.46	51.16	74.00	-22.84	170	15	Peak	VERTICAL
6	17190.00	15.55	52.59	74.00	-21.41	160	160	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

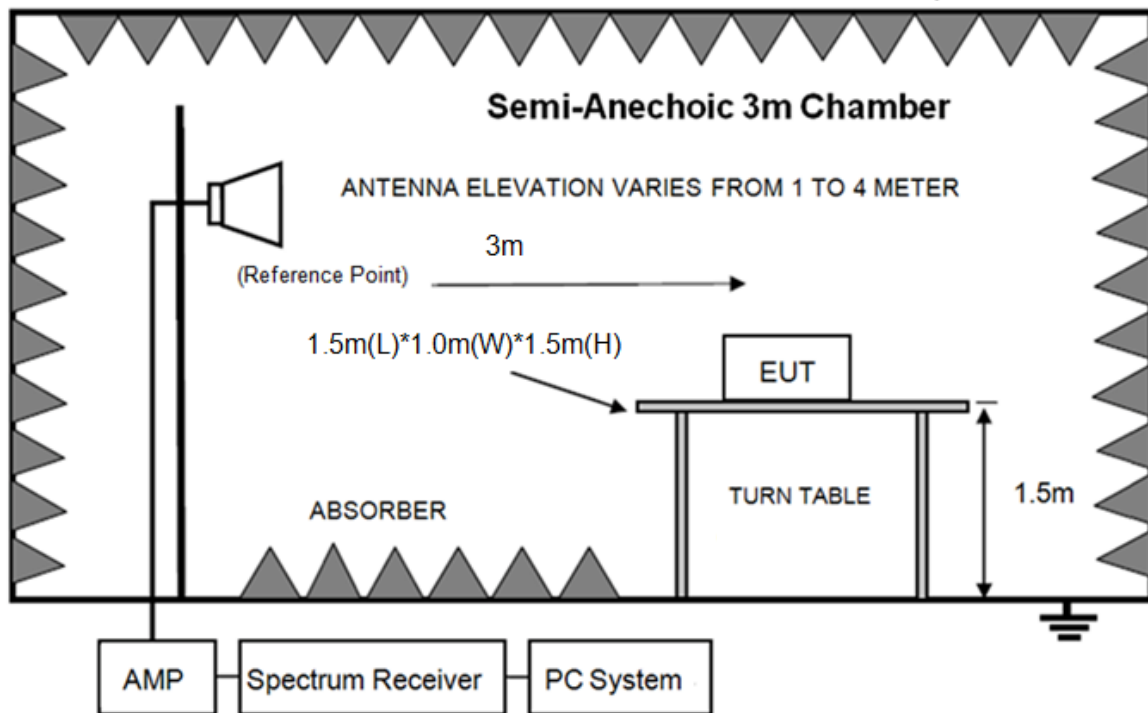
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level – Limit.

6. Band Edge Compliance (Radiated Method)

6.1. Block diagram of test setup



6.2. Limit

All restriction band should comply with 15.209, other emission should be at least 20 dB below the fundamental.

6.3. Test Procedure

Same with clause 5.3 except change investigated frequency range.

Remark: All restriction band have been tested, and only the worst case is shown in report.

6.4. Test result

Pass. (See below detailed test result)

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

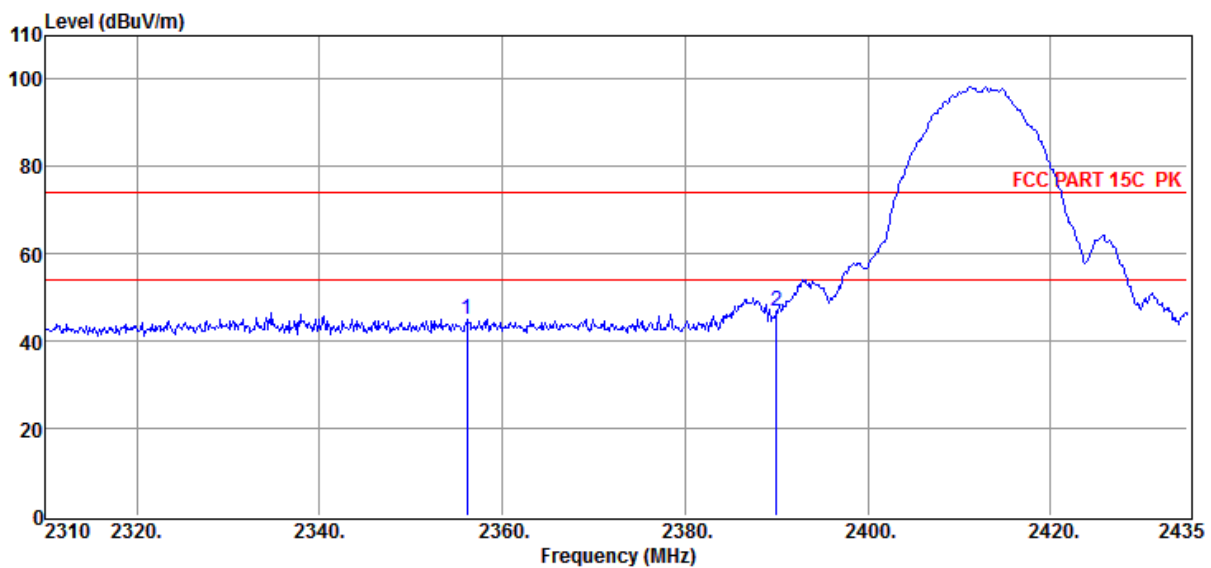
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11B 1M ANT1 2412MHz

Data: 25



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	2356.13	3.21	45.14	74.00	-28.86	190	10	Peak	VERTICAL
2	2390.00	3.30	46.72	74.00	-27.28	183	25	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

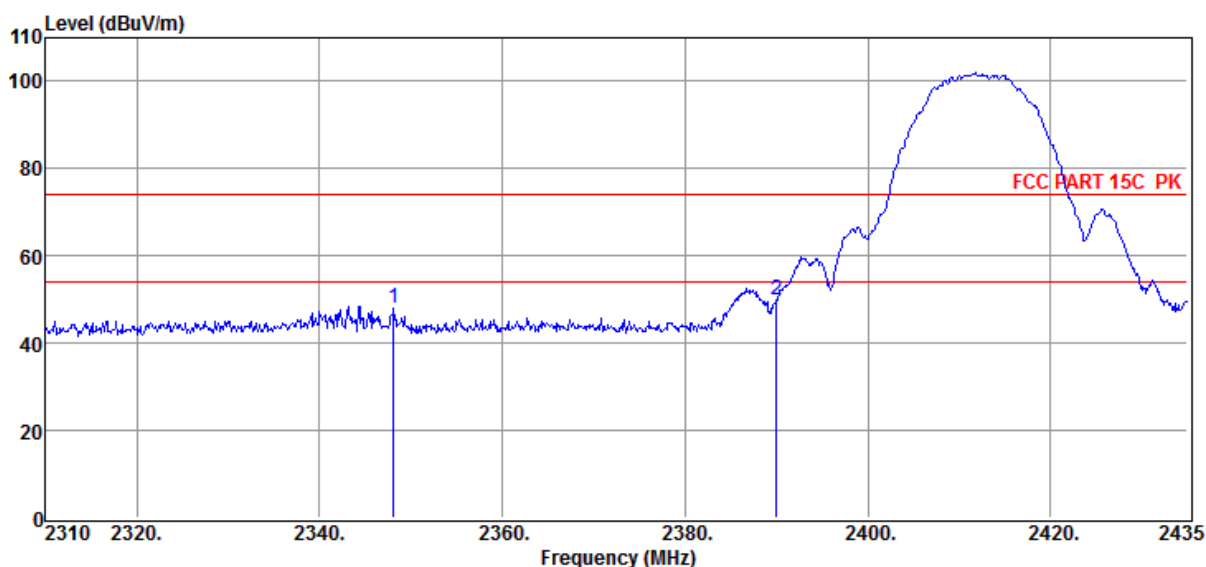
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11B 1M ANT1 2412MHz

Data: 26



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	2348.13	3.14	48.08	74.00	-25.92	151	80	Peak	HORIZONTAL
2	2390.00	3.30	49.79	74.00	-24.21	164	257	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-18-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

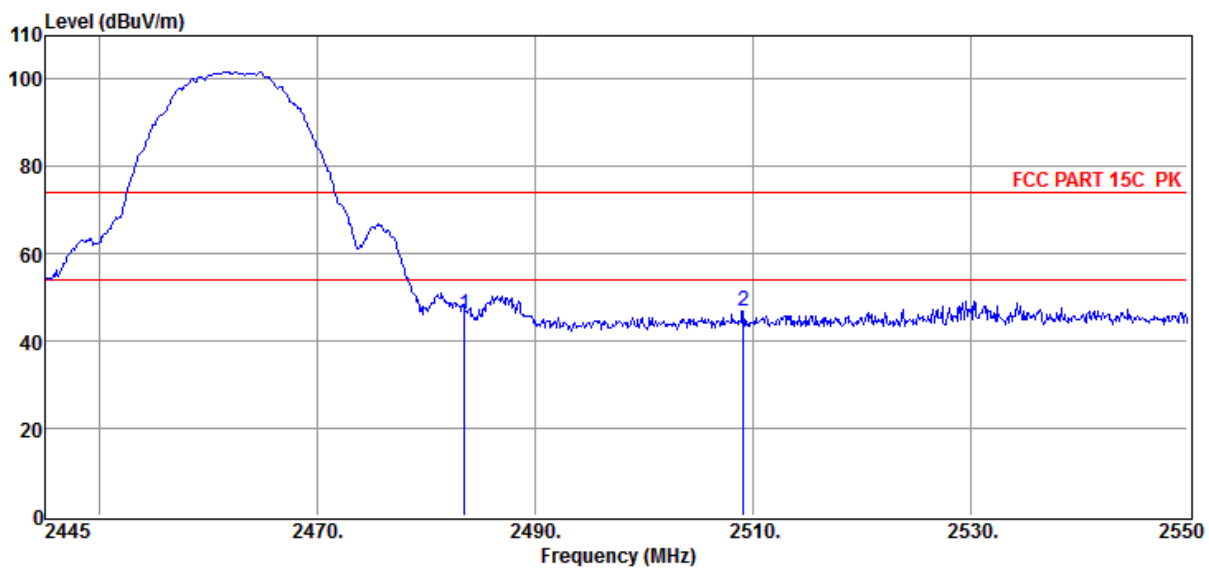
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11B 1M ANT1 2462MHz

Data: 27



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/ m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	2483.50	3.52	46.27	74.00	-27.73	167	29	Peak	HORIZONTAL
2	2509.16	3.85	46.91	74.00	-27.09	176	1	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

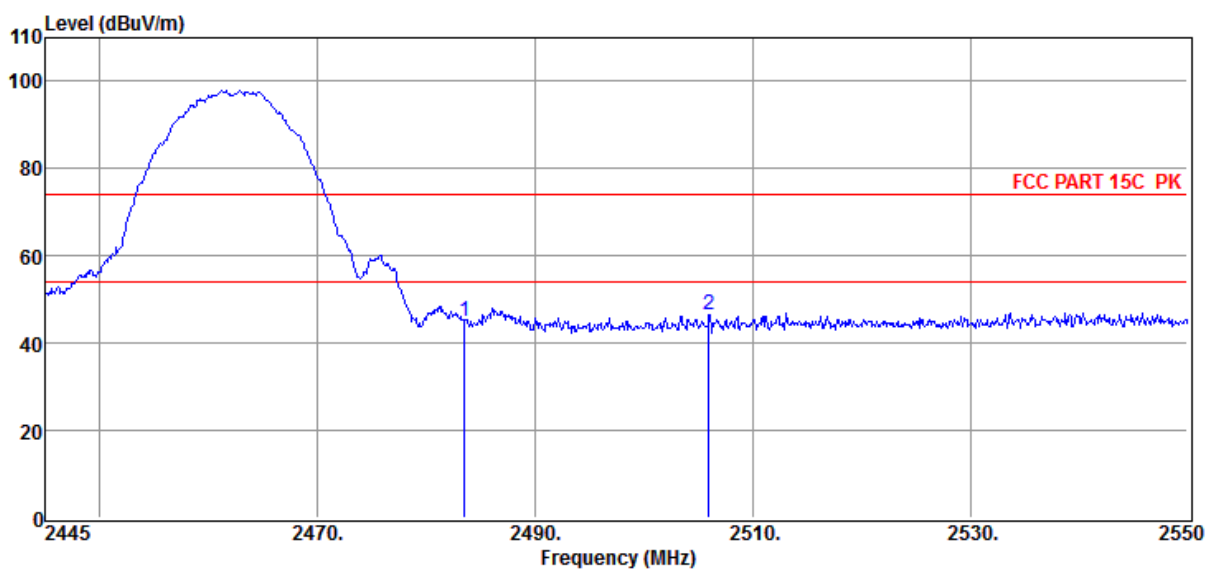
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11B 1M ANT1 2462MHz

Data: 28



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	2483.50	3.52	45.10	74.00	-28.90	182	293	Peak	VERTICAL
2	2506.01	3.78	46.64	74.00	-27.36	157	119	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

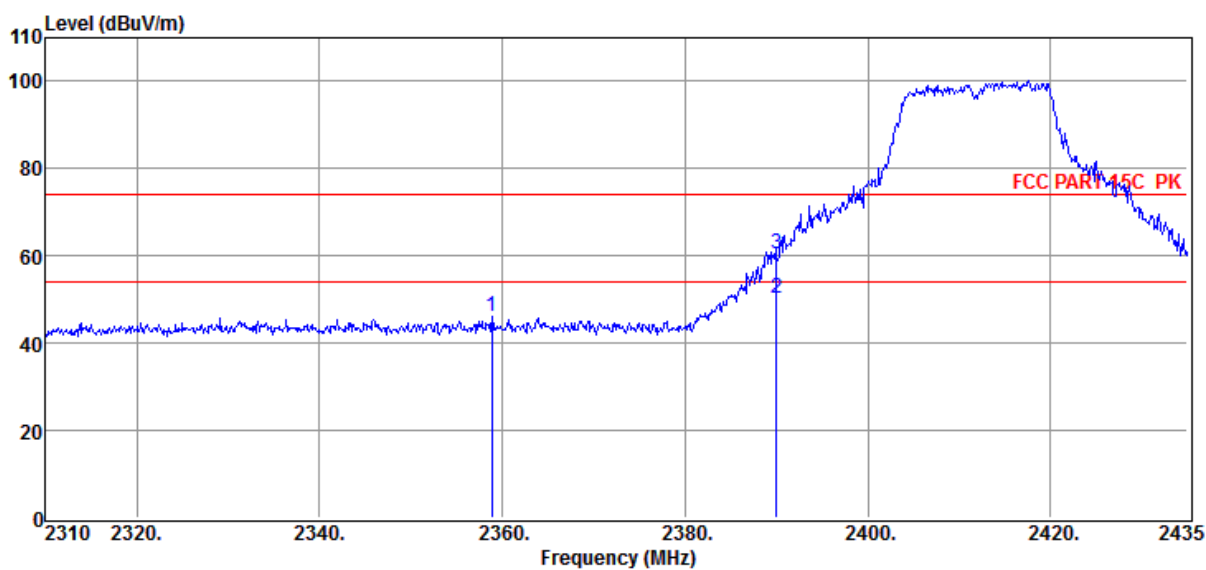
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11G 6M ANT1 2412MHz

Data: 29



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	2358.88	3.22	46.20	74.00	-27.80	182	277	Peak	VERTICAL
2	2390.00	3.30	50.14	54.00	-3.86	153	252	Average	VERTICAL
3	2390.00	3.30	60.64	74.00	-13.36	184	141	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

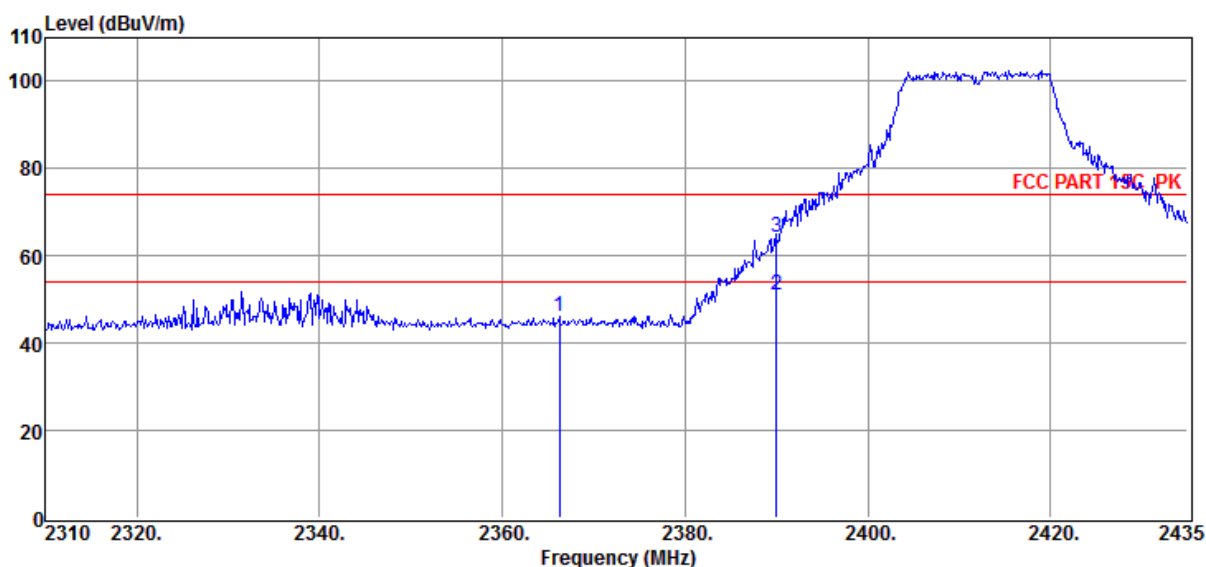
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11G 6M ANT1 2412MHz

Data: 30



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	2366.25	3.23	46.00	74.00	-28.00	150	329	Peak	HORIZONTAL
2	2390.00	3.30	50.95	54.00	-3.05	168	133	Average	HORIZONTAL
3	2390.00	3.30	64.36	74.00	-9.64	154	173	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

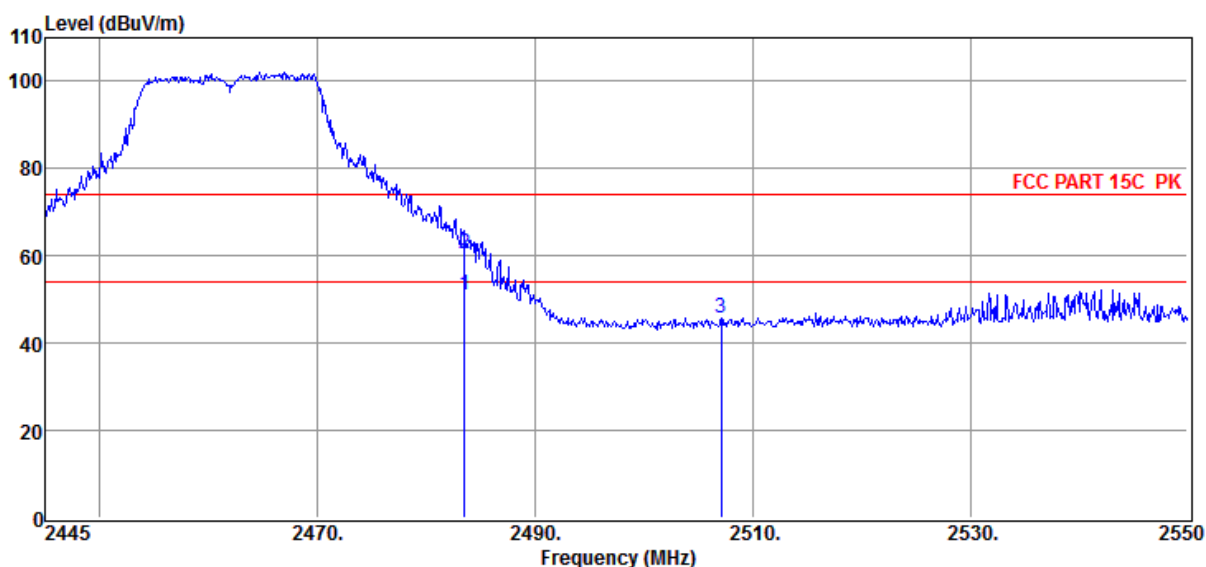
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11G 6M ANT1 2462MHz

Data: 31



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	2483.50	3.52	50.15	54.00	-3.85	180	4	Average	HORIZONTAL
2	2483.50	3.52	60.34	74.00	-13.66	162	284	Peak	HORIZONTAL
3	2507.16	3.80	45.86	74.00	-28.14	155	111	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

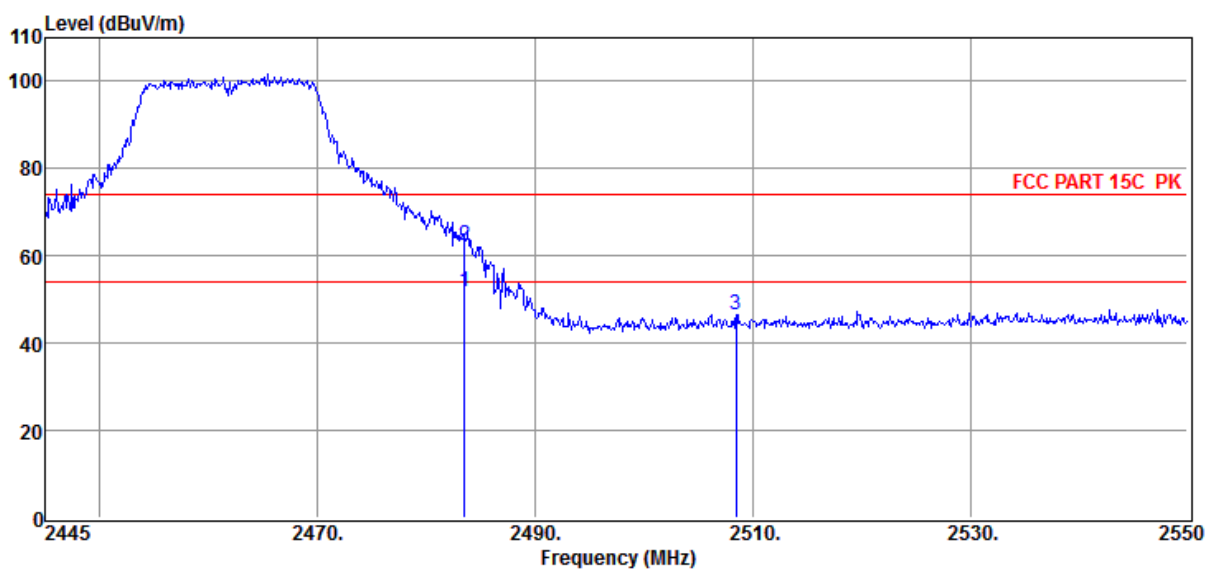
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11G 6M ANT1 2462MHz

Data: 32



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	2483.50	3.52	50.65	54.00	-3.35	152	154	Average	VERTICAL
2	2483.50	3.52	62.51	74.00	-11.49	151	201	Peak	VERTICAL
3	2508.53	3.84	46.58	74.00	-27.42	189	9	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

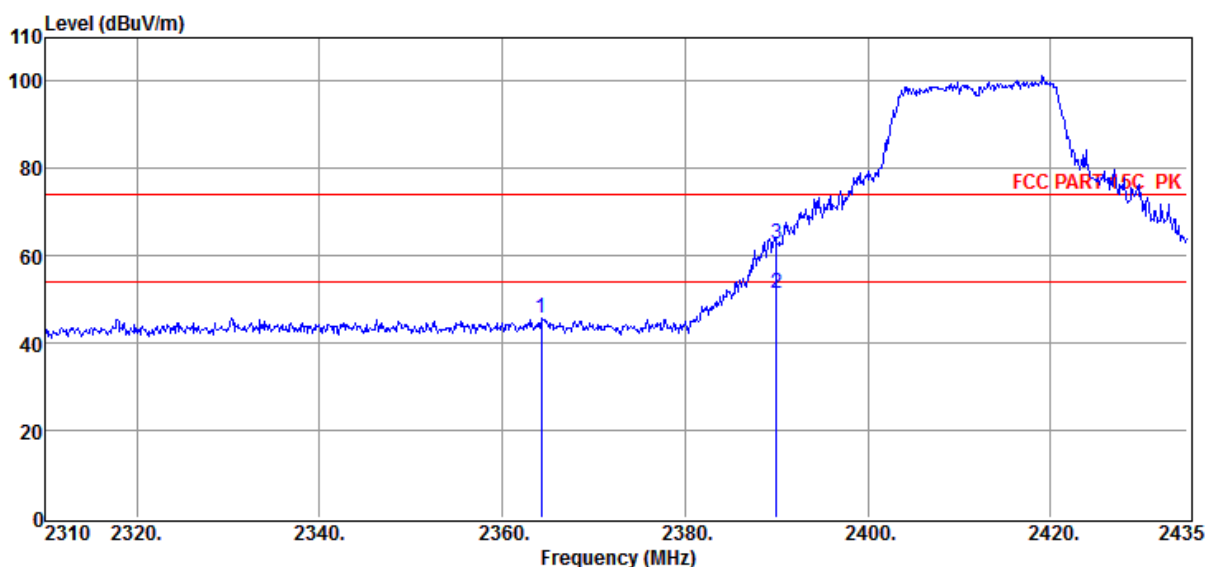
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N MCS0 ANT1 2412MHz

Data: 33



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	2364.25	3.23	45.89	74.00	-28.11	172	264	Peak	VERTICAL
2	2390.00	3.30	50.32	54.00	-3.68	188	64	Average	VERTICAL
3	2390.00	3.30	62.81	74.00	-11.19	187	323	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

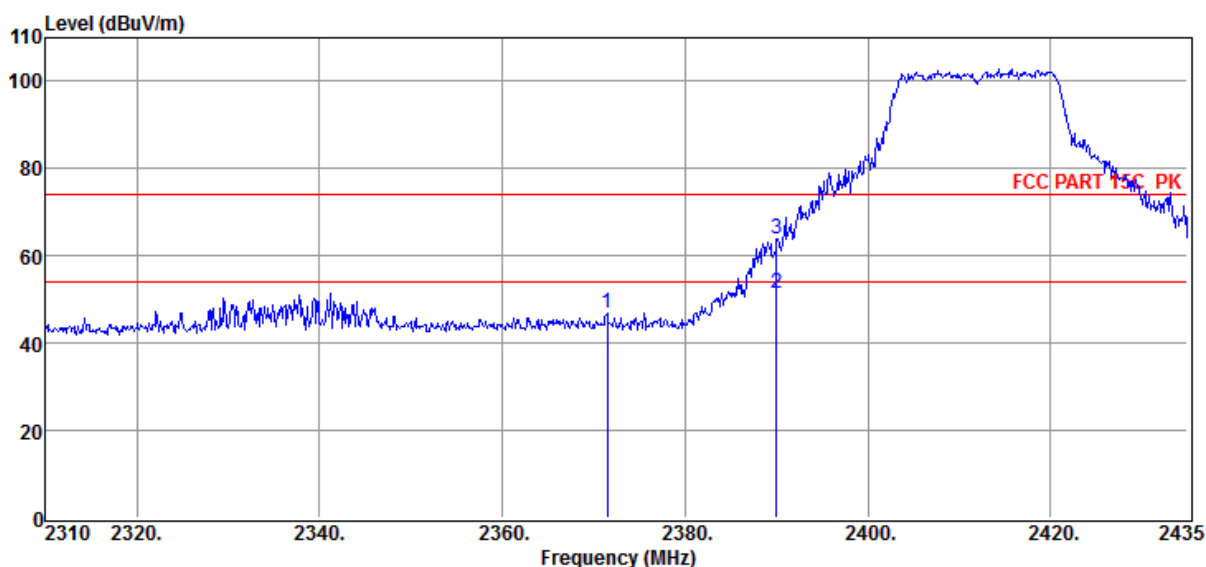
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N MCS0 ANT1 2412MHz

Data: 34



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	2371.50	3.25	47.04	74.00	-26.96	172	139	Peak	HORIZONTAL
2	2390.00	3.30	50.45	54.00	-3.55	181	311	Average	HORIZONTAL
3	2390.00	3.30	63.82	74.00	-10.18	159	25	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

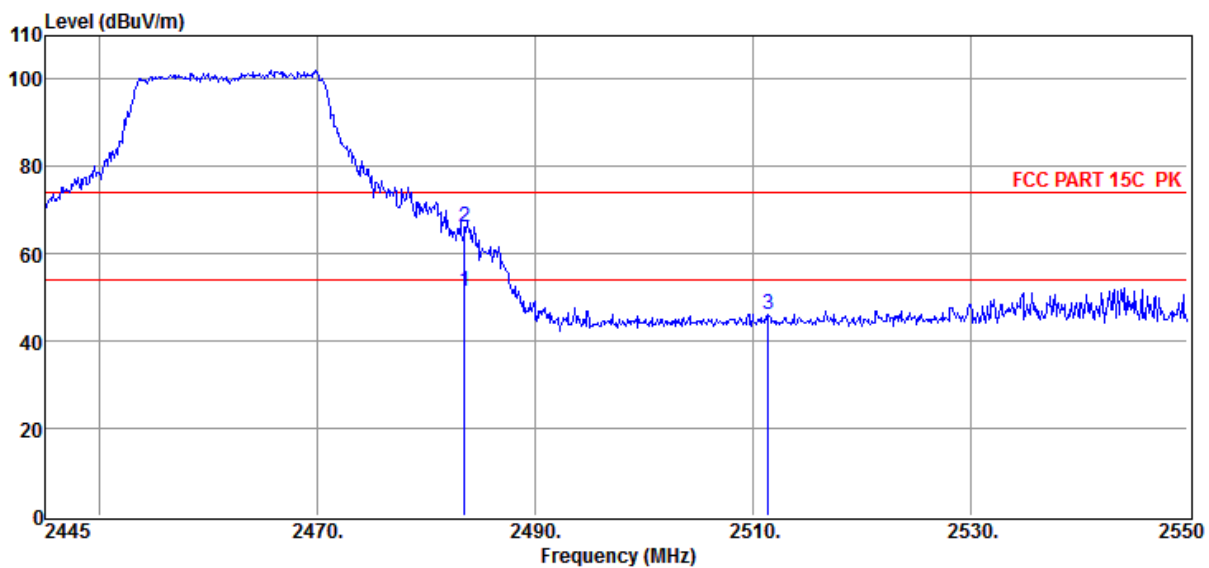
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N MCS0 ANT1 2462MHz

Data: 35



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	2483.50	3.52	50.53	54.00	-3.47	171	340	Average	HORIZONTAL
2	2483.50	3.52	66.19	74.00	-7.81	167	308	Peak	HORIZONTAL
3	2511.47	3.90	46.23	74.00	-27.77	186	71	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

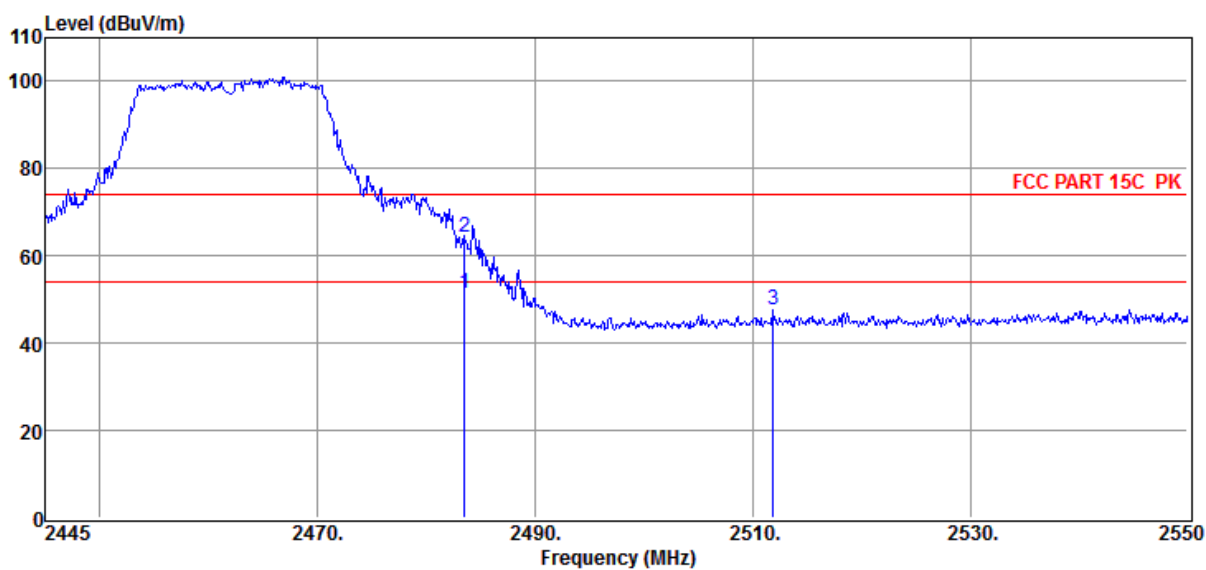
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N MCS0 ANT1 2462MHz

Data: 36



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	2483.50	3.52	50.50	54.00	-3.50	150	319	Average	VERTICAL
2	2483.50	3.52	64.26	74.00	-9.74	172	8	Peak	VERTICAL
3	2511.89	3.91	47.45	74.00	-26.55	181	242	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

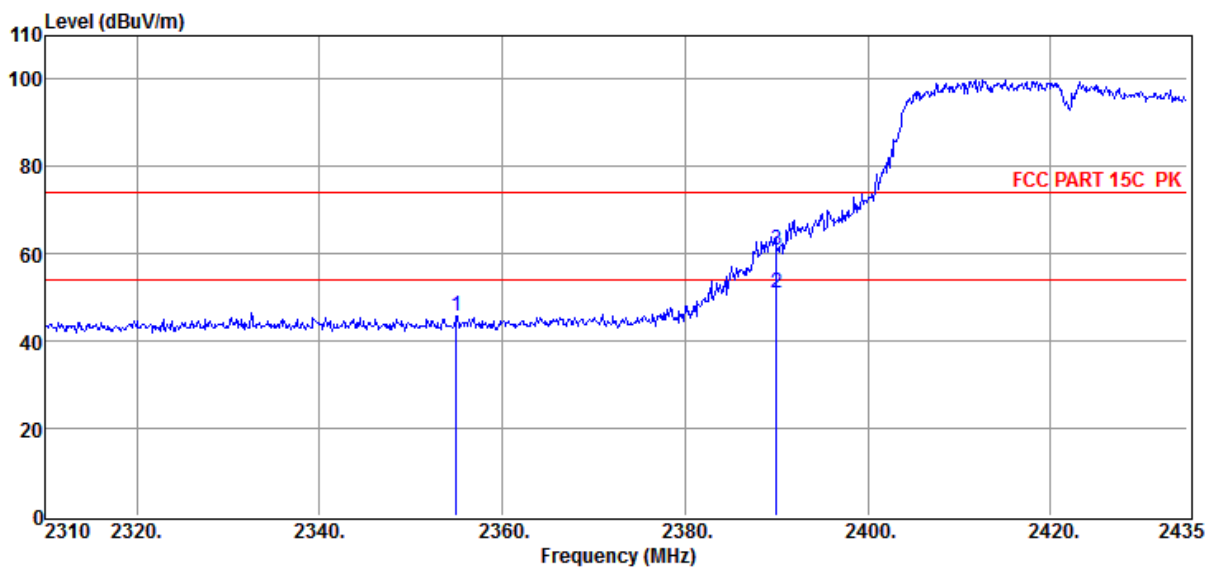
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 MCS0 ANT1 2422MHz

Data: 37



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	2355.00	3.20	45.80	74.00	-28.20	164	294	Peak	VERTICAL
2	2390.00	3.30	50.88	54.00	-3.12	163	295	Average	VERTICAL
3	2390.00	3.30	60.79	74.00	-13.21	167	240	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

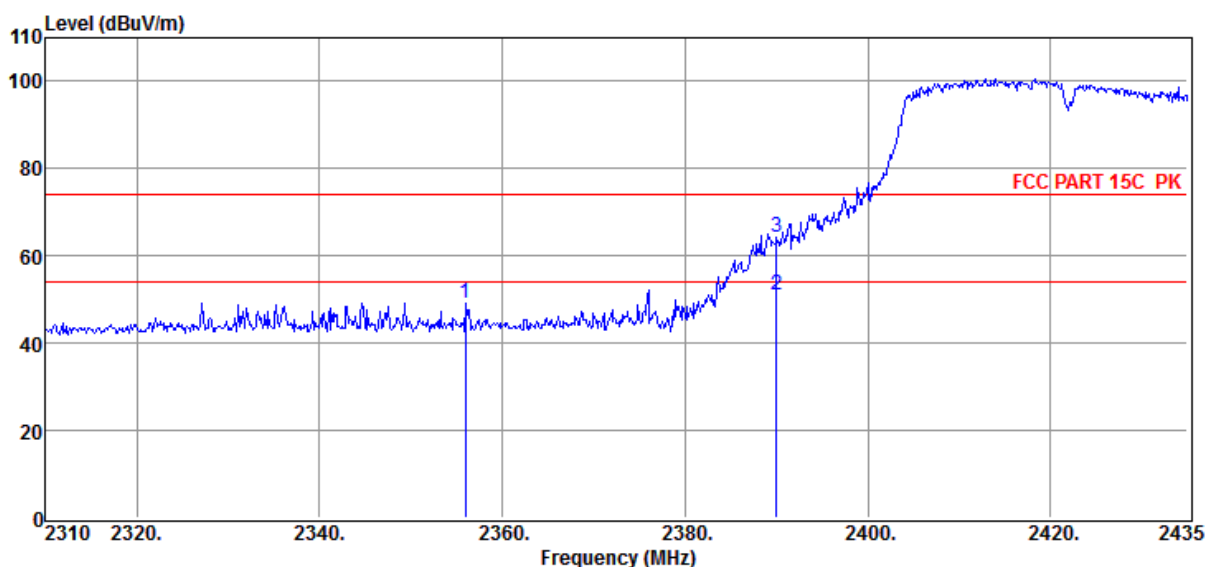
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 MCS0 ANT1 2422MHz

Data: 38



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	2356.00	3.21	49.06	74.00	-24.94	178	101	Peak	HORIZONTAL
2	2390.00	3.30	50.13	54.00	-3.87	180	296	Average	HORIZONTAL
3	2390.00	3.30	64.41	74.00	-9.59	183	9	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

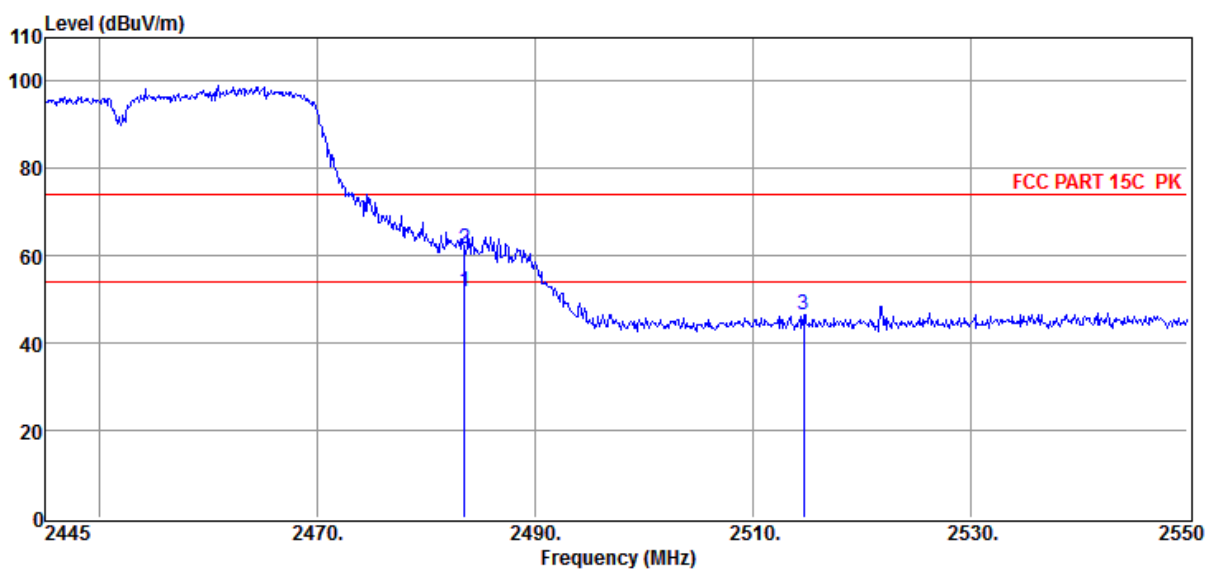
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 MCS0 ANT1 2452MHz

Data: 39



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	2483.50	3.52	50.63	54.00	-3.37	151	26	Average	HORIZONTAL
2	2483.50	3.52	61.51	74.00	-12.49	172	132	Peak	HORIZONTAL
3	2514.72	3.98	46.35	74.00	-27.65	181	328	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 03-08-2022

Tested By : Sunny

EUT : LTE/WCDMA/GSM mobile phone

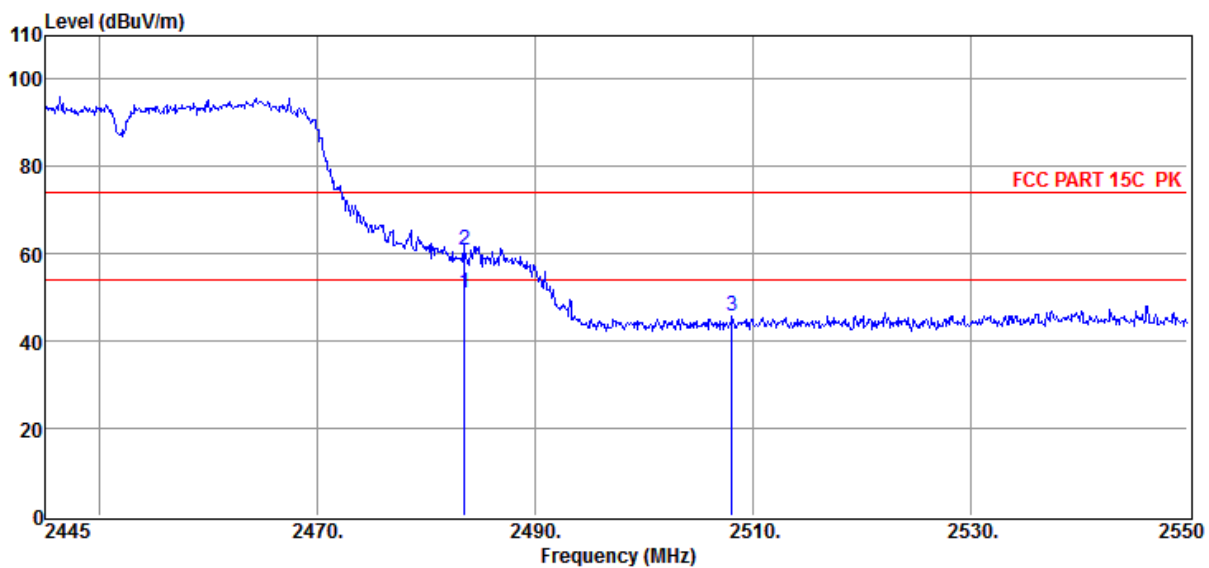
Model Number : 5053A

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 MCS0 ANT1 2452MHz

Data: 40



Item (Mark)	Freq. (MHz)	Factor (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Height (cm)	Angle (deg)	Detector	Polarization
1	2483.50	3.52	51.11	54.00	-2.89	159	274	Average	VERTICAL
2	2483.50	3.52	60.71	74.00	-13.29	177	189	Peak	VERTICAL
3	2508.11	3.83	45.89	74.00	-28.11	177	35	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

7. APPENDIXES

The below appendix was detail result tested by SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch (Date of Test: 2019/2/22 ~ 2019/3/15)

Appendix	Item
Appendix	2.4G WLAN