



FCC RADIO TEST REPORT

FCC ID : IHDT56AX2
Equipment : Mobile Cellular Phone
Brand Name : Motorola
Model Name : XT2625-11
Applicant : Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654
USA
Manufacturer : Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654
USA
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27(L)

The product was received on Jul. 01, 2026 and testing was performed from Jul. 03, 2026 to Jul. 21, 2026. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FG610603-18A	01	Initial issue of report	Sep. 10, 2026

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	§2.1046	Conducted Output Power	Not Required	-
	§22.913 (a)(5)	Effective Radiated Power (GSM850) (WCDMA Band V)		
	§24.232 (c)	Equivalent Isotropic Radiated Power (GSM1900) (WCDMA Band II)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (WCDMA Band IV)		
-	§24.232 (d)	Peak-to-Average Ratio	Not Required	-
-	§2.1049 §22.917 (b) §24.238 (b) §27.53 (g)	Occupied Bandwidth (GSM850) (WCDMA Band V) (GSM1900) (WCDMA Band II) (WCDMA Band IV)	Not Required	-
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g)	Band Edge Measurement (GSM850) (WCDMA Band V) (GSM1900) (WCDMA Band II) (WCDMA Band IV)	Not Required	-
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g)	Conducted Emission (GSM850) (WCDMA Band V) (GSM1900) (WCDMA Band II) (WCDMA Band IV)	Not Required	-
-	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	Not Required	-
3.4	§2.1053 §22.917 (a) §24.238 (a) §27.53 (h)	Field Strength of Spurious Radiation (GSM1900) (WCDMA Band II)	Pass	-

Note: This is a variant report. The change note could be referred to the Product Equality Declaration which is exhibit separately. According to the change, only the related test cases were verified from original report FG610618-02A.

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Keven Cheng

Report Producer: Dara Chiu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	GSM/WCDMA/LTE/5G NR WLAN 2.4GHz 802.11b/g/n HT20/HT40 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE GNSS/NFC/FM
Antenna Type	WWAN : Loop & IFA Antenna WLAN : IFA Antenna Bluetooth : IFA Antenna GNSS: IFA Antenna NFC: Coil Antenna FM : External Earphone Antenna

Support band and evaluated information	
Supported band	GSM850(GPRG850), GSM 1900(GPRS1900) WCDMA B2,B4,B5
Evaluated and Tested band	GSM850(GPRG850), GSM 1900(GPRS1900) WCDMA B2,B4,B5

Remark: The above EUT's information was declared by manufacturer. Please refer to Disclaimer in report summary.

EUT Information List	
IMEI	Performed Test Item
357532780015534	Radiated Spurious Emission

Specification of Accessory				
AC Adapter 1 US	Brand Name	Motorola(AOHAI)	Model Name	MC-101
AC Adapter 2 US	Brand Name	Motorola(Chenyang)	Model Name	MC-101
Battery 1	Brand Name	Motorola(SUNWODA)	Model Name	SS52
USB Cable 1	Brand Name	Motorola(naiyi)	Model Name	1.1.0502
USB Cable 2	Brand Name	Motorola(saibao)	Model Name	SC18E52847
USB Cable 3	Brand Name	Motorola(juwei)	Model Name	SC18D38574

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. 03CH16-HY
Test Engineer	Jerry Lan 、 Gary Guo 、 Steven Wu
Temperature (°C)	19.1~22.3
Relative Humidity (%)	62.5~68.3

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW3786

1.4 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ ANSI C63.26-2015
- ♦ FCC 47 CFR Part 2, 22(H), 24(E), 27(L)
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.
3. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape) and accessory (Adapter or Earphone) and WPT Charging, and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report.

Radiated emissions were investigated as following frequency range:

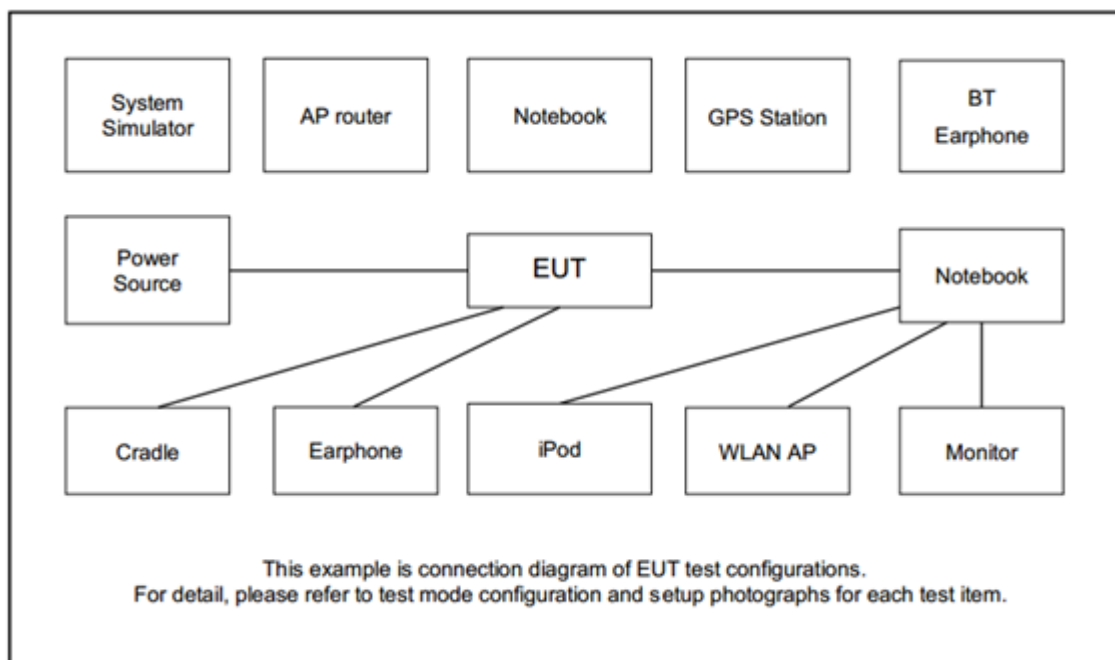
3. 30 MHz to 19100 MHz for GSM1900 and WCDMA Band II

All modes, data rates and positions were investigated.

Test modes are chosen to be reported as the worst case configuration below:

Test Modes		
Band	Radiated TCs	Conducted TCs
GSM1900	■ GSM Link	■ GSM Link
	■ EDGE Class 8 Link	■ EDGE Class 8 Link
WCDMA Band II	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link

2.2 Connection Diagram of Test System





2.3 Support Unit used in test configuration

Item	Equipment	Brand Name	Model	FCC ID	Data Cable	Power Cord
1.	Base Station	Rohde& Schwarz	CMU200	N/A	N/A	unshielded, 1.8m
2.	Earphone	UGREEN	N/A	N/A	N/A	1.5M

2.4 Frequency List of Low/Middle/High Channels

Frequency List				
Band	Channel/Frequency(MHz)	Lowest	Middle	Highest
GSM850	Channel	128	189	251
	Frequency	824.2	836.4	848.8
WCDMA Band V	Channel	4132	4182	4233
	Frequency	826.4	836.4	846.6
GSM1900	Channel	512	661	810
	Frequency	1850.2	1880.0	1909.8
WCDMA Band II	Channel	9262	9400	9538
	Frequency	1852.4	1880.0	1907.6
WCDMA Band IV	Channel	1312	1413	1513
	Frequency	1712.4	1732.6	1752.6

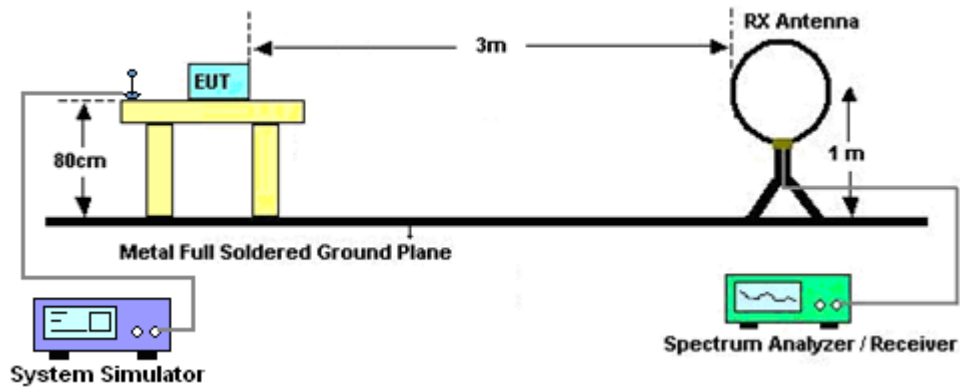
3 Radiated Test Items

3.1 Measuring Instruments

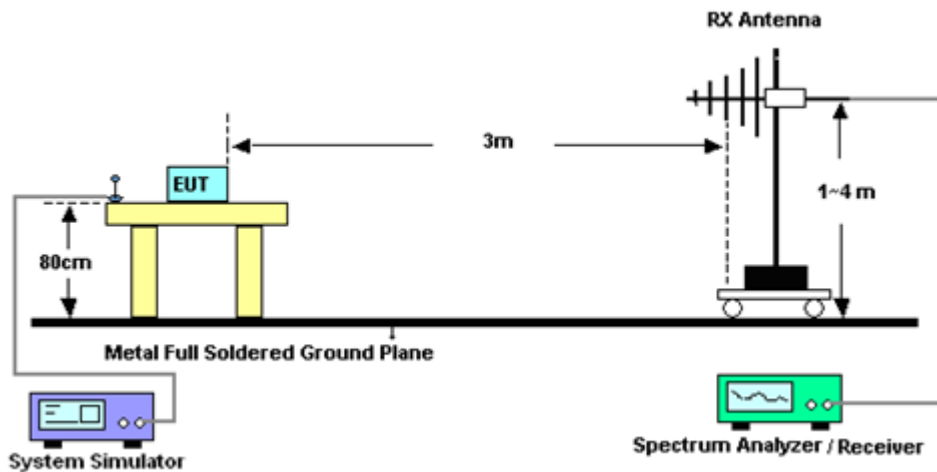
Please refer to the measuring equipment list in this test report.

3.2 Test Setup

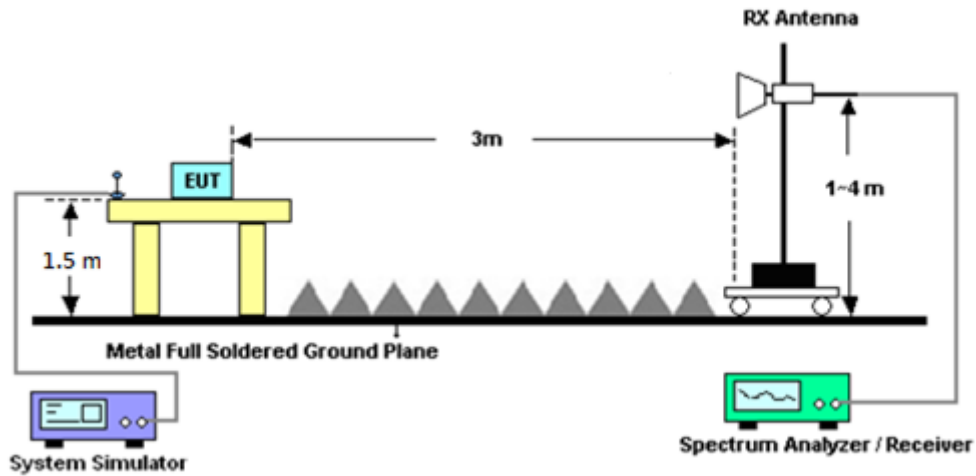
For radiated test below 30MHz



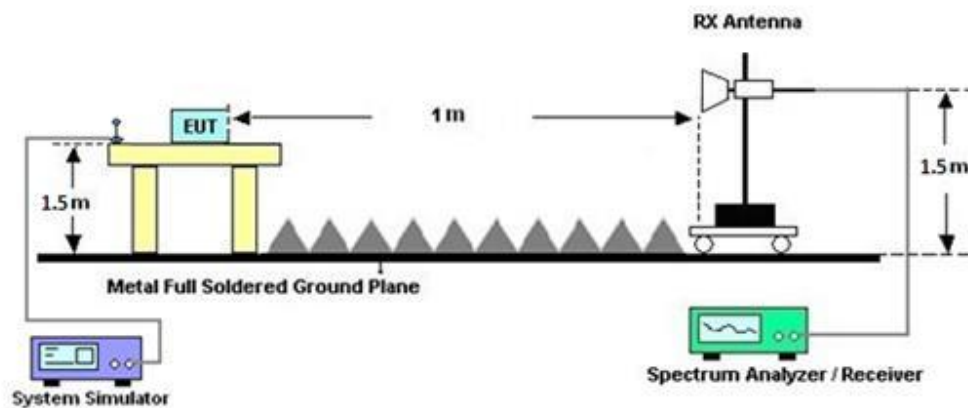
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.3 Test Result of Radiated Test

Please refer to Appendix A.

Note:

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.4 Field Strength of Spurious Radiation Measurement

3.4.1 Description of Field Strength of Spurious Radiated Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.4.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI C63.26-2015 section 5.5.4 Radiated measurement using the field strength method.

1. The EUT is placed on a rotatable wooden table 0.8 meters for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz above the ground.
2. The EUT is set 3 meters away from the receiving antenna, which is mounted on the antenna tower.
3. The table is rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search for the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1 MHz, VBW = 3 MHz, taking record of maximum spurious emission.
6. To convert spectrum reading E(dBuV/m) to EIRP(dBm)
$$\text{EIRP(dBm)} = \text{Level (dBuV/m)} + 20\log(d) - 104.77,$$
where d is the distance at which field strength limit is specified in the rules
7. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. The RF fundamental frequency shall be excluded against the limit line in the operating frequency band.
10. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	ReMark
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9kHz~30MHz	Dec. 11, 2025	Jul. 03, 2026~ Jul. 21, 2026	Dec. 10, 2026	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA9170	1230	18GHz~40GHz	Nov. 05, 2026	Jul. 03, 2026~ Jul. 21, 2026	Nov. 04, 2026	Radiation (03CH16-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241055	10Hz~44GHz	Nov. 18, 2025	Jul. 03, 2026~ Jul. 21, 2026	Nov. 17, 2026	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Nov. 26, 2025	Jul. 03, 2026~ Jul. 21, 2026	Nov. 25, 2026	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N-0 6	47020 & 06	30MHz to 1GHz	Oct. 04, 2025	Jul. 03, 2026~ Jul. 21, 2026	Oct. 03, 2026	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1522	1GHz~18GHz	Mar. 26, 2026	Jul. 03, 2026~ Jul. 21, 2026	Mar. 25, 2027	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jun. 29, 2026	Jul. 03, 2026~ Jul. 21, 2026	Jun. 28, 2027	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Sep. 12, 2025	Jul. 03, 2026~ Jul. 21, 2026	Sep. 11, 2026	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 22, 2025	Jul. 03, 2026~ Jul. 21, 2026	Dec. 21, 2026	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun 08, 2026	Jul. 03, 2026~ Jul. 21, 2026	Jun 07, 2027	Radiation (03CH16-HY)
Filter	Wainwright	WLK4-1000-153 0-8000-40SS	SN17	1.53GHz Low Pass Filter	Jan. 13, 2026	Jul. 03, 2026~ Jul. 21, 2026	Jan. 12, 2027	Radiation (03CH16-HY)
Filter	Wainwright	WHKX12-2700-3 000-18000-60ST	SN3	3GHz High Pass Filter	Jun. 25, 2026	Jul. 03, 2026~ Jul. 21, 2026	Jun. 24, 2027	Radiation (03CH16-HY)
Filter	Wainwright	WHKX8-5872.5- 6750-18000-40S T	SN27	6.75GHz High Pass Filter	Dec. 22, 2025	Jul. 03, 2026~ Jul. 21, 2026	Dec. 21, 2026	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	May 13, 2026	Jul. 03, 2026~ Jul. 21, 2026	May 12, 2027	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLEX 104	EC-A5-300-57 57,805935/4,8 02434/4	30MHz~18GHz	Aug. 06, 2025	Jul. 03, 2026~ Jul. 21, 2026	Aug. 05, 2026	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,8040 12/2	18-40GHz	Dec. 18, 2025	Jul. 03, 2026~ Jul. 21, 2026	Dec. 17, 2026	Radiation (03CH16-HY)
Software	Audix	E3 230621 V9	RK-002393	N/A	N/A	Jul. 03, 2026~ Jul. 21, 2026	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Jul. 03, 2026~ Jul. 21, 2026	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 03, 2026~ Jul. 21, 2026	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 03, 2026~ Jul. 21, 2026	N/A	Radiation (03CH16-HY)

5 Measurement Uncertainty

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.50 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.60 dB
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Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.60 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.20 dB
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Appendix A. Radiated Spurious Emission Test Data

A1.Summary of each worse mode

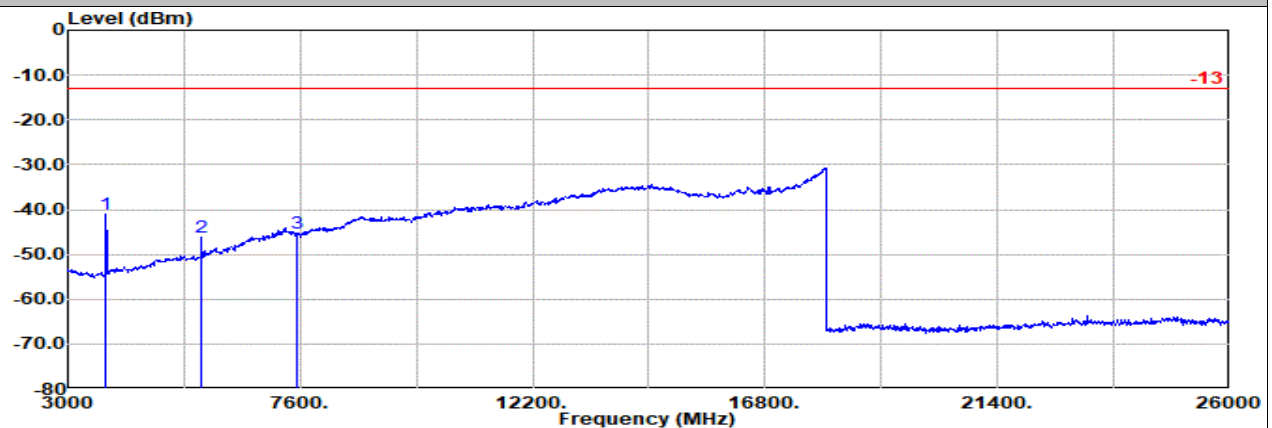
Mode	Band	Part	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	EDGE 1900	Part 24E	M	3760	-38.96	RMS	29.98	-26.25	1.36	-95.23	51.18	-13.00	-25.96	V	0
2	WCDMA B2	Part 24E	M	7520	-45.05	RMS	36.20	-23.13	0.69	-95.23	36.42	-13.00	-32.05	V	0

Ant. 0

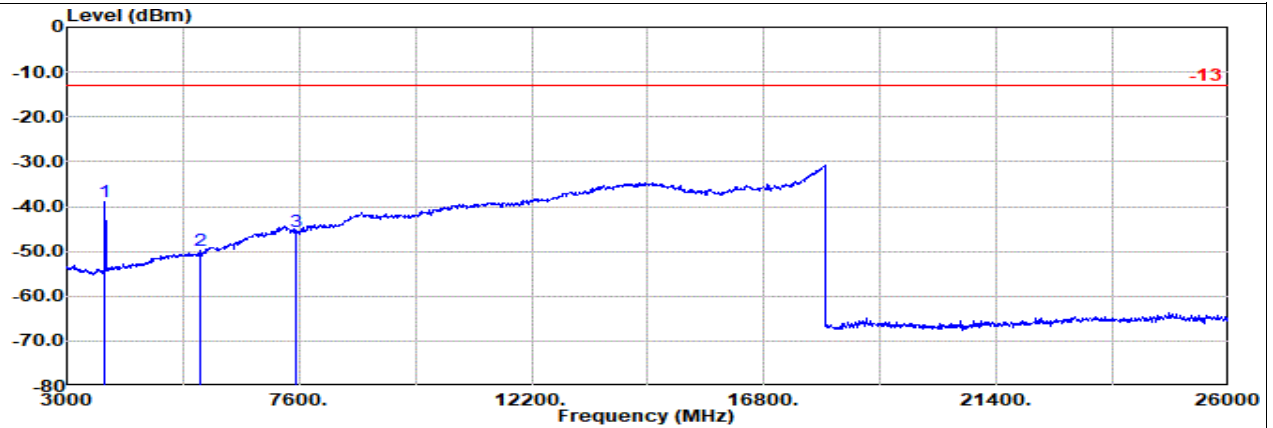
Part 24E Mode 1

EDGE 1900 Ch661

M



	Freq	Level	Detector	Ant Factor	Ampl\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3760.00	-41.12	RMS	29.98	-26.25	1.36	-95.23	49.02	-13.00	-28.12	Horizontal
2	5640.00	-46.15	RMS	33.06	-24.32	0.84	-95.23	39.50	-13.00	-33.15	Horizontal
3	7520.00	-45.30	RMS	36.20	-23.13	0.69	-95.23	36.17	-13.00	-32.30	Horizontal



Site : 03CH16-HY
Condition: -13 1m BBHA9170_1230_251105 Vertical
: EDGE 1900 Ch661

	Freq Level		Detector	Ant Amp\Cb Filter				Readin Limit		Margin	Pol
	MHz	dBm		Factor	1	EIRPCF		g	dBm		
1	3760.00	-38.96	RMS	29.98	-26.25	1.36	-95.23	51.18	-13.00	-25.96	Vertical
2	5640.00	-49.75	RMS	33.06	-24.32	0.84	-95.23	35.90	-13.00	-36.75	Vertical
3	7520.00	-45.45	RMS	36.20	-23.13	0.69	-95.23	36.02	-13.00	-32.45	Vertical

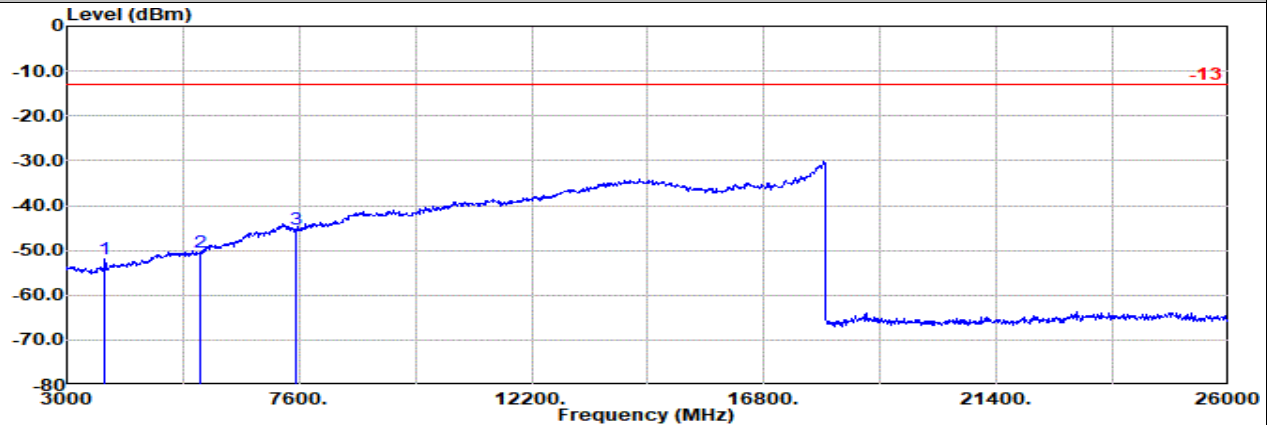


Ant. 0

Part 24E Mode 2

WCDMA B2 Ch9400

M

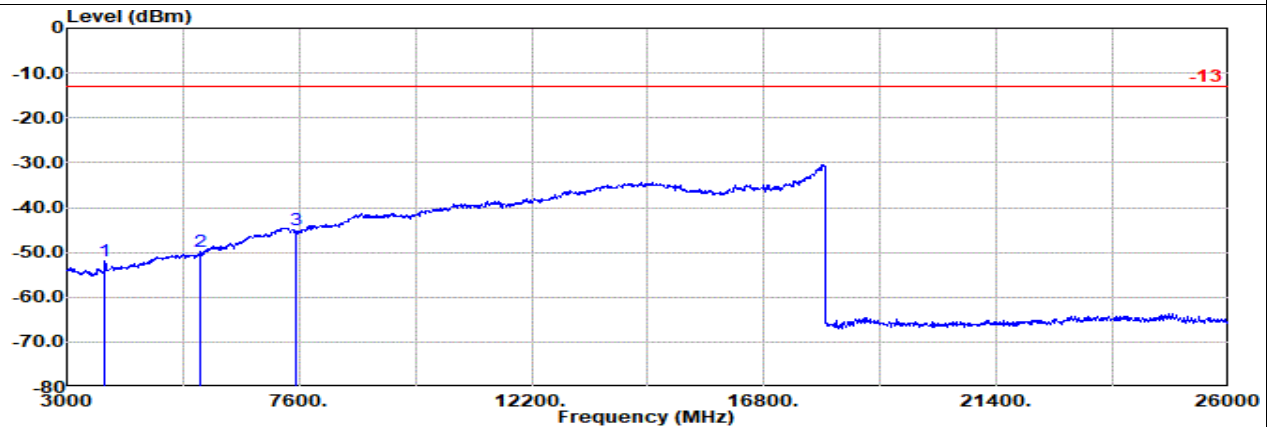


Site : 03CH16-HY

Condition: -13 1m BBHA9170_00993_251128 Horizontal

: WCDMA B2 Ch9400

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit		Margin	Pol
				Factor	1			g			
	MHz	dBm									
1	3760.00	-51.88	RMS	29.98	-26.25	1.36	-95.23	38.26	-13.00	-38.88	Horizontal
2	5640.00	-50.40	RMS	33.06	-24.32	0.84	-95.23	35.25	-13.00	-37.40	Horizontal
3	7520.00	-45.23	RMS	36.20	-23.13	0.69	-95.23	36.24	-13.00	-32.23	Horizontal



Site : 03CH16-HY

Condition: -13 1m BBHA9170_00993_251128 Vertical

: WCDMA B2 Ch9400

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit		Margin	Pol
				Factor	1			g			
	MHz	dBm									
1	3760.00	-51.80	RMS	29.98	-26.25	1.36	-95.23	38.34	-13.00	-38.80	Vertical
2	5640.00	-49.73	RMS	33.06	-24.32	0.84	-95.23	35.92	-13.00	-36.73	Vertical
3	7520.00	-45.05	RMS	36.20	-23.13	0.69	-95.23	36.42	-13.00	-32.05	Vertical

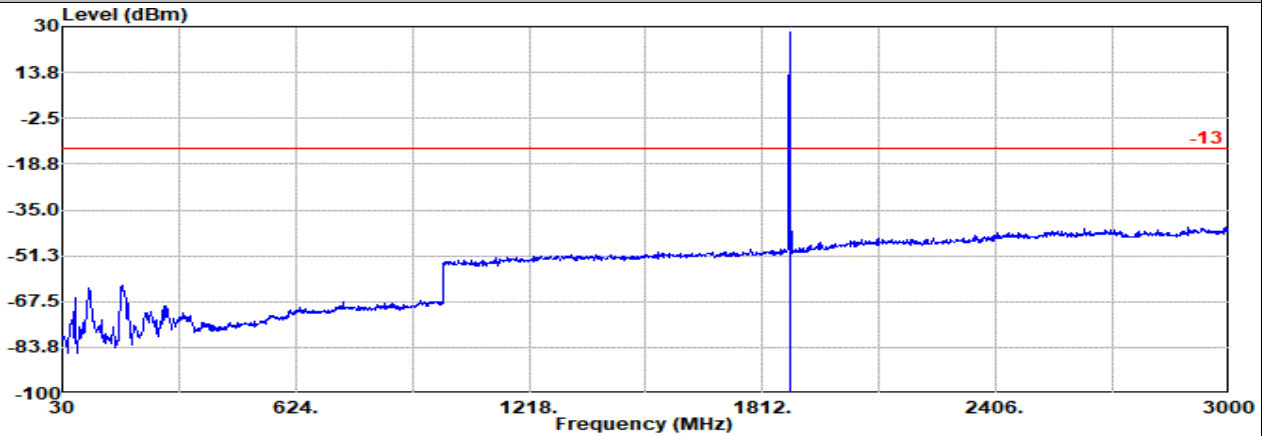


Ant. 0

Part 24E Mode 1

EDGE 1900 Ch661

M



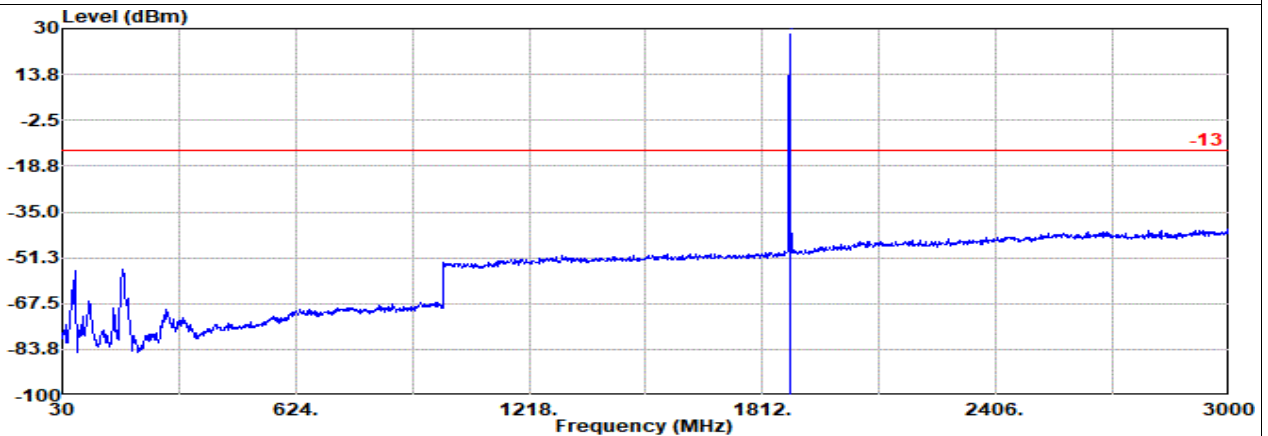
Site : 03CH16-HY

Condition: -13 3m 9120D-1522_260326 Horizontal

: EDGE 1900 Ch661

: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm									
1	1880.00	27.86	RMS	25.40	7.47	0.00	-95.23	90.22	-13.00	40.86	Horizontal



Site : 03CH16-HY

Condition: -13 3m 9120D-1522_260326 Vertical

: EDGE 1900 Ch661

: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm									
1	1880.00	28.13	RMS	25.40	7.47	0.00	-95.23	90.49	-13.00	41.13	Vertical