



FCC RADIO TEST REPORT

FCC ID : N7NWP76B
Equipment : Radio Module
Brand Name : Sierra Wireless
Model Name : WP7611, WP7611-1, WP7611D, WP7611D-1
Applicant : Sierra Wireless, ULC
13811 Wireless Way, Richmond, BC V6V 3A4 Canada
Manufacturer : Sierra Wireless, ULC
13811 Wireless Way, Richmond, BC V6V 3A4 Canada
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27(L)

The product was received on Jul. 09, 2026 and testing was performed from Jul. 20, 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 given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this partial 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
FG670102A	01	Initial issue of report	Aug. 10, 2026

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
	§22.913 (a)(5)	Effective Radiated Power (WCDMA Band V)		
	§24.232 (c)	Equivalent Isotropic Radiated Power (WCDMA Band II)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (WCDMA Band IV)		
-	§24.232 (d)	Peak-to-Average Ratio	Pass	See Note
-	§2.1049 §22.917 (b) §24.238 (b) §27.53 (g)	Occupied Bandwidth (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Pass	See Note
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g)	Band Edge Measurement (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Pass	See Note
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g)	Conducted Emission (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Pass	See Note
-	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	Pass	See Note
4.4	§2.1053 §22.917 (a) §24.238 (a) §27.53 (h)	Field Strength of Spurious Radiation (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Pass	-
Remark: This report includes only the re-test results for conducted output power and radiated spurious emissions due to hardware modifications to the EUT. For detailed information regarding the hardware changes, please refer to the PED.				

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/manufacture 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: Sheng Kuo
Report Producer: Yuri Huang



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs WCDMA/LTE	
Antenna Type WWAN: Dipole Antenna	
Support Band and Evaluated Information	
Supported Band	WCDMA Band II / Band IV / Band V
Evaluated and Tested Band	WCDMA Band II / Band IV / Band V
Max Antenna Gain information(dBi)	
Band	Ant 1
WCDMA Band II	3.66
WCDMA Band IV	3.66
WCDMA Band V	1.58

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

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.	
	TH05-HY	03CH23-HY
Test Engineer	Wei Shun Hung	Leo Li, Karl Hou and Chun Hao Lu
Temperature (°C)	22.1~24.7	19.4~21.1
Relative Humidity (%)	61.6~63.5	63.4~65.5

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. 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 measurements, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the EUT antenna orientation to 0° and 90°, and adjusting the measurement antenna orientation in accordance with the C63.26 exploratory test procedures. Only the worst-case emissions are reported in this report.

Radiated emissions were investigated as following frequency range:

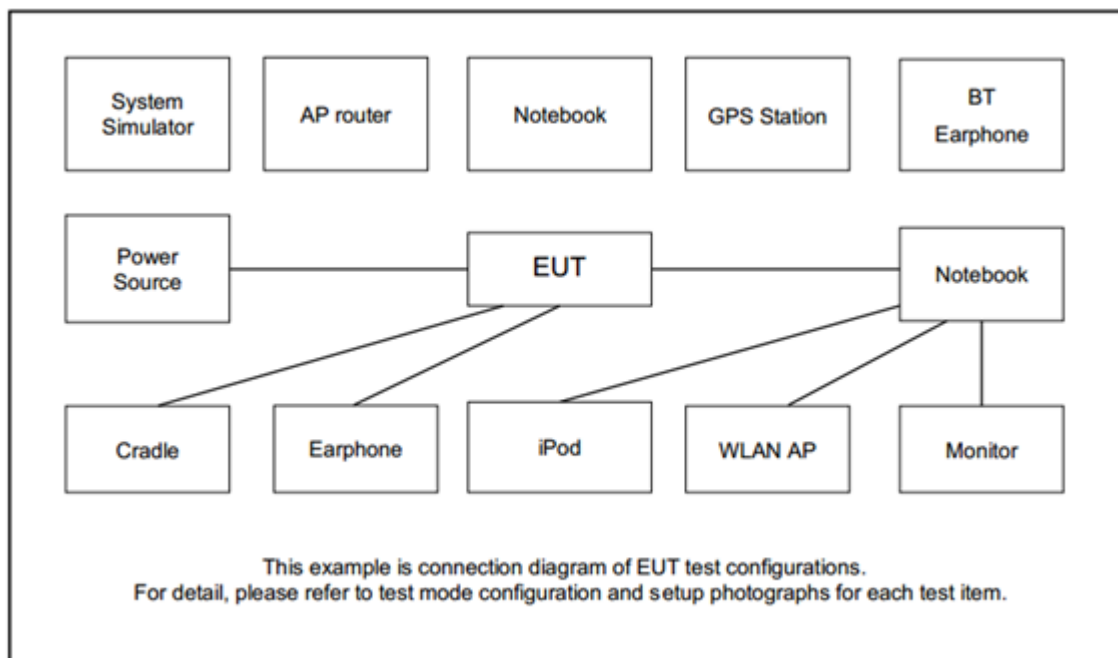
1. 30 MHz to 9000 MHz for WCDMA Band V
2. 30 MHz to 18000 MHz for WCDMA Band IV
3. 30 MHz to 19100 MHz for WCDMA Band II

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
WCDMA Band V	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link
WCDMA Band II	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link
WCDMA Band IV	■ 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 No.	FCC ID	Data Cable	Power Cord
1.	Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8m

2.4 Frequency List of Low/Middle/High Channels

Frequency List				
Band	Channel/Frequency(MHz)	Lowest	Middle	Highest
WCDMA Band V	Channel	4132	4182	4233
	Frequency	826.4	836.4	846.6
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

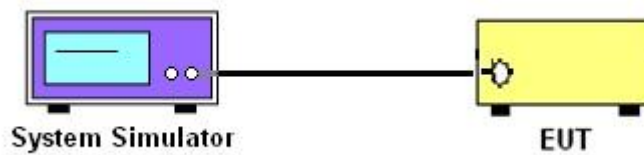
3 Conducted Test Result

3.1 Measuring Instruments

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

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power and ERP/EIRP

3.2.1 Description of the Conducted Output Power and ERP/EIRP

A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for WCDMA Band V

The EIRP of mobile transmitters must not exceed 2 Watts for WCDMA Band II

The EIRP of mobile transmitters must not exceed 1 Watts for WCDMA Band IV

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.2.2 Test Procedures

1. The transmitter output port is connected to the system simulator.
2. Set EUT at maximum power through system simulator.
3. Select the lowest, middle, and the highest channels for each band and different modulation.
4. Measure the maximum burst average power for GSM and maximum average power for other modulation signal.

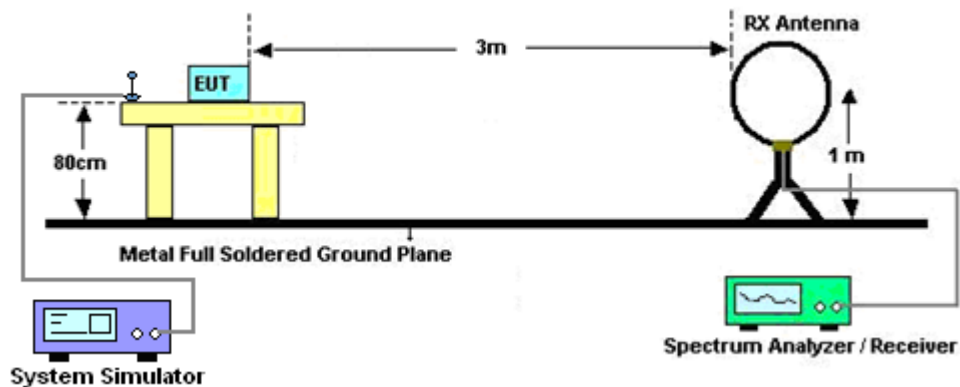
4 Radiated Test Items

4.1 Measuring Instruments

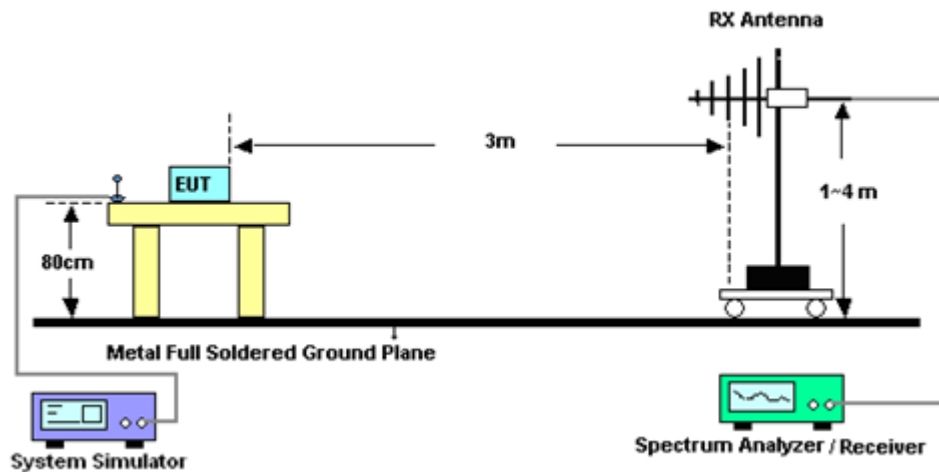
Please refer to the measuring equipment list in this test report.

4.2 Test Setup

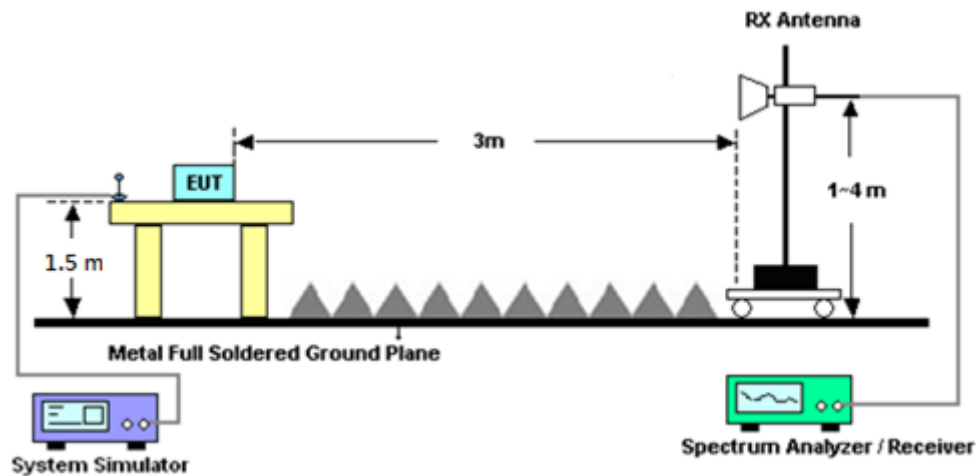
For radiated test below 30MHz



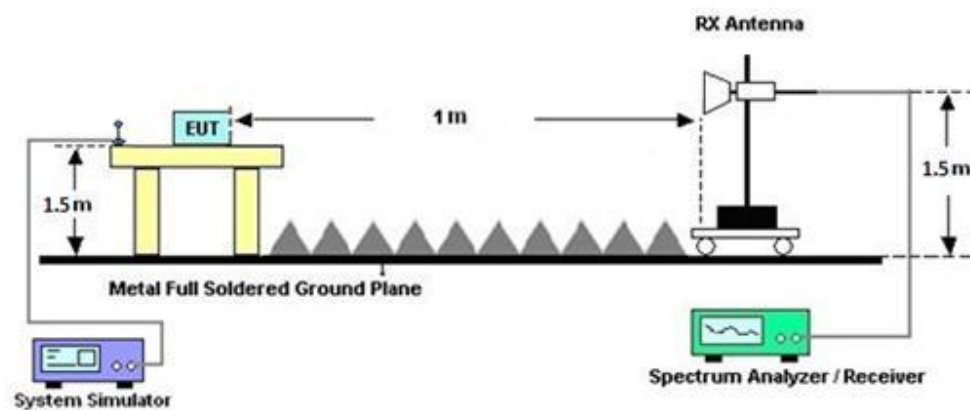
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.3 Test Result of Radiated Test

Please refer to Appendix B.

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.

4.4 Field Strength of Spurious Radiation Measurement

4.4.1 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.

4.4.2 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)



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	Rohde & Schwarz	FSP30	101329	9kHz~30GHz	Sep. 30, 2025	Jul. 20, 2026	Sep. 29, 2026	Conducted (TH05-HY)
Universal Digital Radio COMM. Tester	Rohde & Schwarz	CMU200	117995	GSM / GPRS / WCDMA / CDMA	Aug. 14, 2025	Jul. 20, 2026	Aug. 13, 2026	Conducted (TH05-HY)
DC Power Supply	GW Instek	GPE-2323	GEU871221	0V~64V ; 0A~6A	Apr. 17, 2026	Jul. 20, 2026	Apr. 16, 2027	Conducted (TH05-HY)
Temperature & Humidity Cabinet Chamber	ESPEC	SU-241	92003713	-30°C ~95°C	Feb. 23, 2026	Jul. 20, 2026	Feb 22, 2027	Conducted (TH05-HY)
Hygrometer	TECPEL	DTM-303A	TP224371	N/A	Jun. 15, 2026	Jul. 20, 2026	Jun. 14, 2027	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 11, 2025	Jul. 27, 2026~ Jul. 29, 2026	Dec. 10, 2026	Radiation (03CH23-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D-06	62028 & 003	30MHz~1GHz	Nov. 26, 2025	Jul. 27, 2026~ Jul. 29, 2026	Nov. 25, 2026	Radiation (03CH23-HY)
Amplifier	EMEC	EM01G18GA	060878	1GHz~18GHz	Sep. 26, 2025	Jul. 27, 2026~ Jul. 29, 2026	Sep. 25, 2026	Radiation (03CH23-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	KV2D06A18 ES	1GHz~18GHz	Nov. 05, 2025	Jul. 27, 2026~ Jul. 29, 2026	Nov. 04, 2026	Radiation (03CH23-HY)
Signal Analyzer	Keysight	N9010B	MY62170337	10Hz~44GHz	Aug. 26, 2025	Jul. 27, 2026~ Jul. 29, 2026	Aug. 25, 2026	Radiation (03CH23-HY)
Preamplifier	EMEC	EM18G40G	060872	18GHz~40GHz	Oct. 02, 2025	Jul. 27, 2026~ Jul. 29, 2026	Oct. 01, 2026	Radiation (03CH23-HY)
Horn Antenna	SCHWARZBECK	BBHA 9170	00994	18GHz~40GHz	Jan. 23, 2026	Jul. 27, 2026~ Jul. 29, 2026	Jan. 22, 2027	Radiation (03CH23-HY)
Hygrometer	TECPEL	DTM-303A	TP210001	N/A	Nov. 06, 2025	Jul. 27, 2026~ Jul. 29, 2026	Nov. 05, 2026	Radiation (03CH23-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jul. 27, 2026~ Jul. 29, 2026	N/A	Radiation (03CH23-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 27, 2026~ Jul. 29, 2026	N/A	Radiation (03CH23-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 27, 2026~ Jul. 29, 2026	N/A	Radiation (03CH23-HY)
Software	Audix	E3 6.09824_2019122	RK-002348	N/A	N/A	Jul. 27, 2026~ Jul. 29, 2026	N/A	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	805139/2	9kHz~30MHz	Mar. 04, 2026	Jul. 27, 2026~ Jul. 29, 2026	Mar. 03, 2027	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804395/2	30MHz~40GHz	Nov. 25, 2025	Jul. 27, 2026~ Jul. 29, 2026	Nov. 24, 2026	Radiation (03CH23-HY)
RF Cable	EMC	EMC101Y	231115/231119/25104238	30MHz~40GHz	May 11, 2026	Jul. 27, 2026~ Jul. 29, 2026	May 10, 2027	Radiation (03CH23-HY)

6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.7 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2 dB
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Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.8 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.7 dB
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Appendix A. Test Results of Conducted Test

WCDMA Band V Maximum Average Power [dBm] (GT - LC = 1.58 dB)					
Channel	4132	4182	4233	ERP (dBm)	ERP (W)
Frequency	826.4	836.4	846.6		
RMC 12.2Kbps	23.12	23.05	22.81	22.55	0.1799
Limit	ERP < 7W			Result	Pass

WCDMA Band II Maximum Average Power [dBm] (GT - LC = 3.66 dB)					
Channel	9262	9400	9538	EIRP (dBm)	EIRP (W)
Frequency	1852.4	1880	1907.6		
RMC 12.2Kbps	22.61	22.64	22.41	26.30	0.4266
Limit	EIRP < 2W			Result	Pass

WCDMA Band IV Maximum Average Power [dBm] (GT - LC = 3.66 dB)					
Channel	1312	1413	1513	EIRP (dBm)	EIRP (W)
Frequency	1712.4	1732.6	1752.6		
RMC 12.2Kbps	22.69	22.72	22.75	26.41	0.4375
Limit	EIRP < 1W			Result	Pass



Appendix B. Test Results of Radiated Test

B1.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	WCDMA B5	Part 22H	H	1693	-51.45	RMS	24.70	-25.04	1.29	-95.23	42.83	-13.00	-38.45	V	1
1	WCDMA B2	Part 24E	M	3760	-50.01	RMS	30.04	-23.52	1.72	-95.23	36.98	-13.00	-37.01	V	1
1	WCDMA B4	Part 27L	H	3505	-52.30	RMS	28.63	-23.48	1.81	-95.23	35.97	-13.00	-39.30	H	1

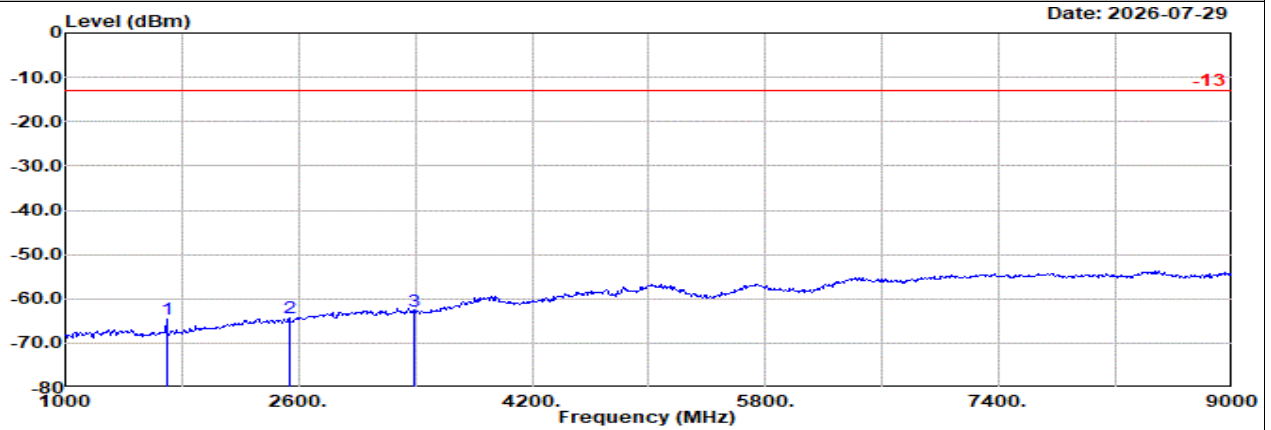


Ant. 1

Part 22H Mode 1

WCDMA B5 Ch4233

H

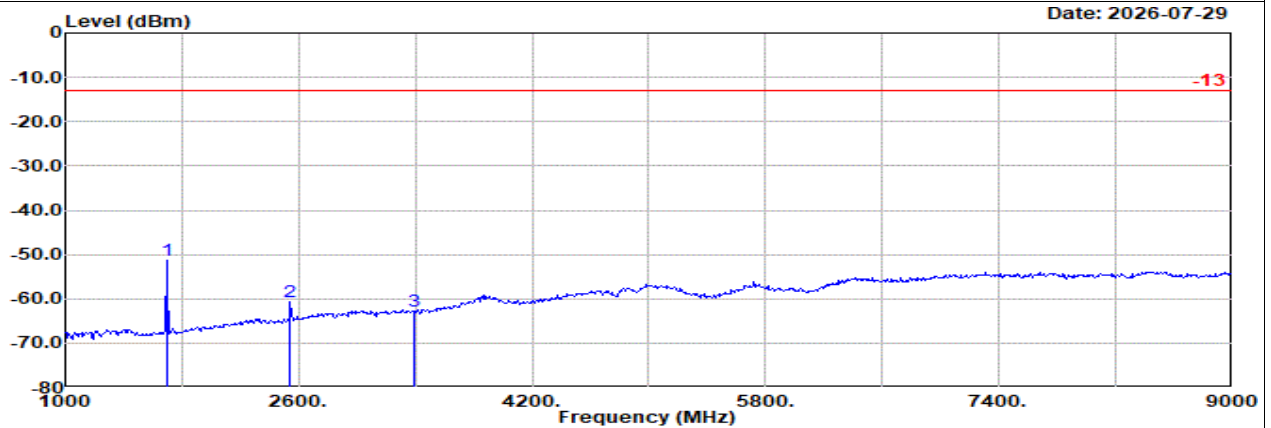


Site : 03CH23-HY

Condition: -13 3m DRH18-E_KV2D06A18ES_251105 Horizontal

: WCDMA 850 Ch4233

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1693.00	-64.69	RMS		24.70	-25.04	1.29	-95.23	29.59	-13.00	-51.69 Horizontal
2	2539.00	-64.35	RMS		26.89	-24.18	1.39	-95.23	26.78	-13.00	-51.35 Horizontal
3	3386.00	-62.94	RMS		28.47	-23.49	1.42	-95.23	25.89	-13.00	-49.94 Horizontal



Site : 03CH23-HY

Condition: -13 3m DRH18-E_KV2D06A18ES_251105 Vertical

: WCDMA 850 Ch4233

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1693.00	-51.45	RMS		24.70	-25.04	1.29	-95.23	42.83	-13.00	-38.45 Vertical
2	2539.00	-60.74	RMS		26.89	-24.18	1.39	-95.23	30.39	-13.00	-47.74 Vertical
3	3386.00	-62.80	RMS		28.47	-23.49	1.42	-95.23	26.03	-13.00	-49.80 Vertical

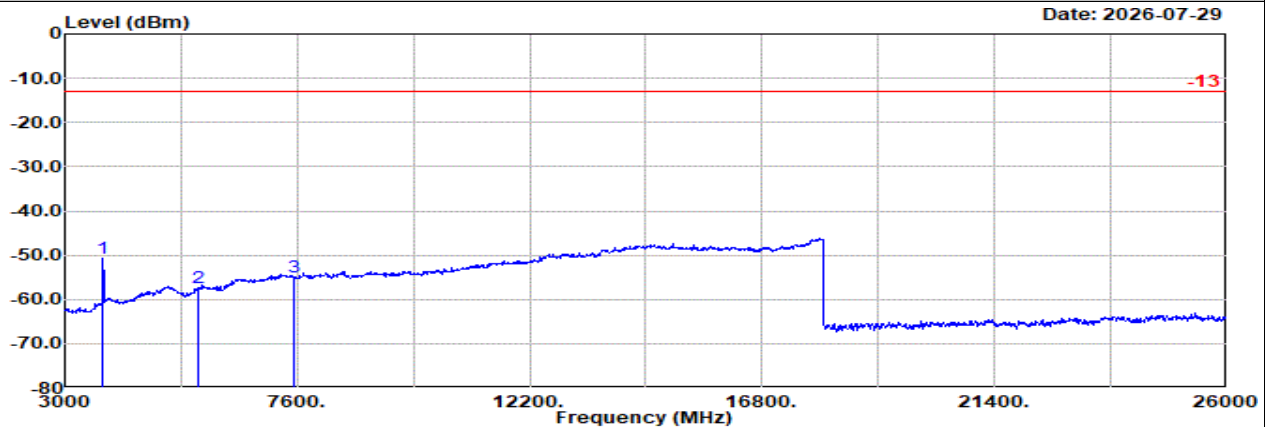


Ant. 1

Part 24E Mode 1

WCDMA B2 Ch9400

M

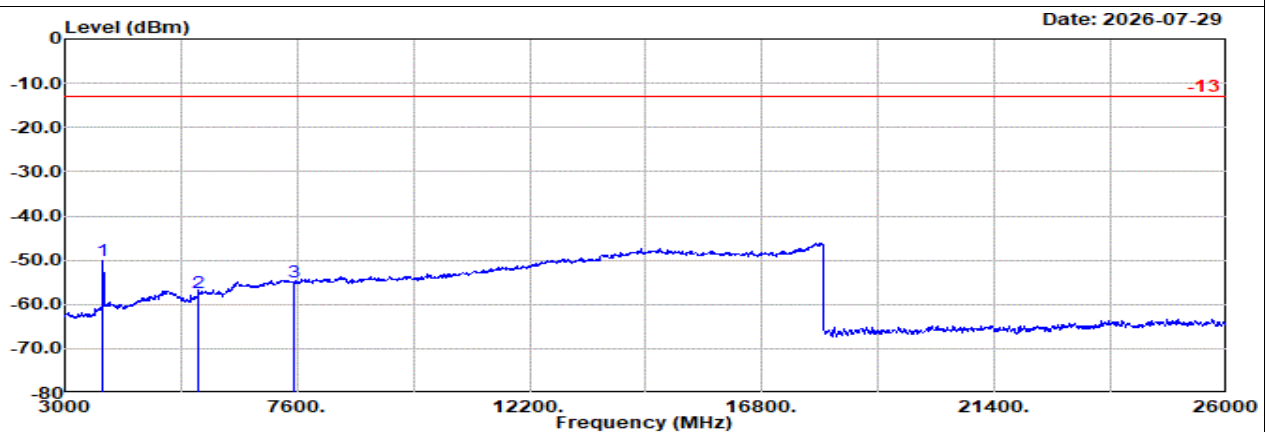


Site : 03CH23-HY

Condition: -13 3m DRH18-E_KV2D06A18ES_251105 Horizontal

: WCDMA 1900 Ch9400

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3760.00	-50.71	RMS	30.04	-23.52	1.72	-95.23	36.28	-13.00	-37.71	Horizontal	
2	5640.00	-57.46	RMS	33.22	-22.30	1.98	-95.23	24.87	-13.00	-44.46	Horizontal	
3	7520.00	-55.09	RMS	36.76	-22.53	1.93	-95.23	23.98	-13.00	-42.09	Horizontal	



Site : 03CH23-HY

Condition: -13 3m DRH18-E_KV2D06A18ES_251105 Vertical

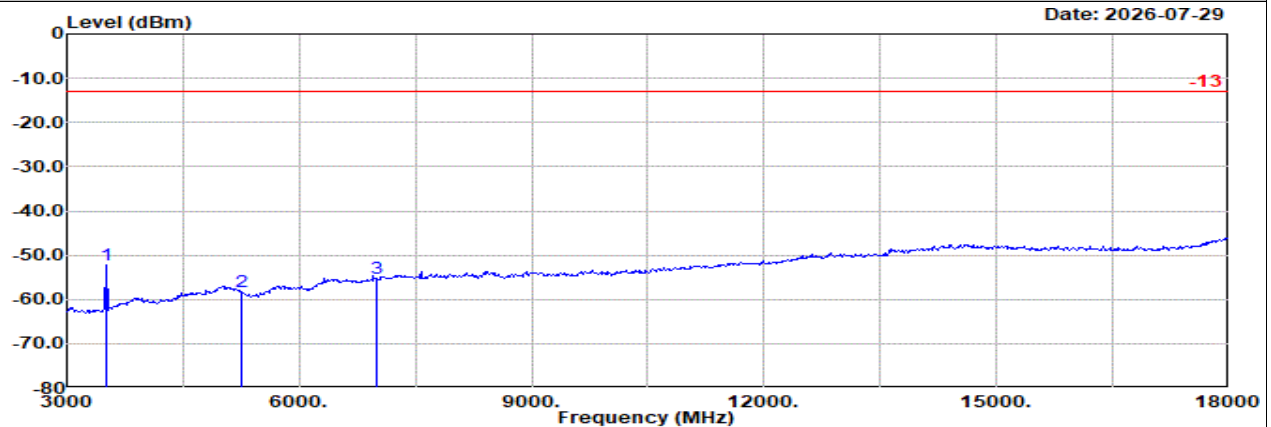
: WCDMA 1900 Ch9400

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3760.00	-50.01	RMS	30.04	-23.52	1.72	-95.23	36.98	-13.00	-37.01	Vertical	
2	5640.00	-57.31	RMS	33.22	-22.30	1.98	-95.23	25.02	-13.00	-44.31	Vertical	
3	7520.00	-55.06	RMS	36.76	-22.53	1.93	-95.23	24.01	-13.00	-42.06	Vertical	



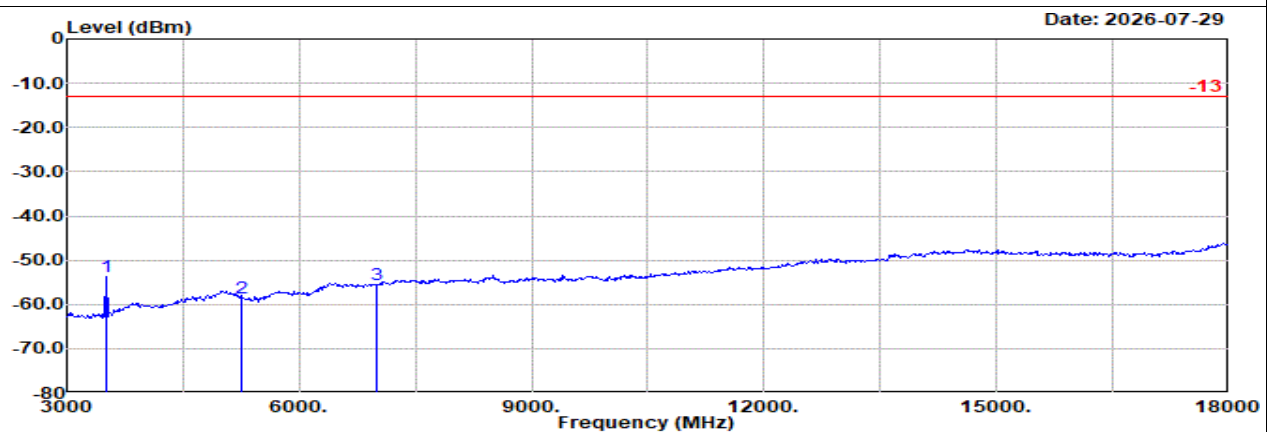
Ant. 1

Part 27L Mode 1
WCDMA B4 Ch1513
H



Site : 03CH23-HY
Condition: -13 3m DRH18-E_KV2D06A18ES_251105 Horizontal
: WCDMA 1700 Ch1513

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3505.00	-52.30	RMS	28.63	-23.48	1.81	-95.23	35.97	-13.00	-39.30	Horizontal	
2	5257.00	-58.29	RMS	32.49	-21.80	1.76	-95.23	24.49	-13.00	-45.29	Horizontal	
3	7010.00	-55.28	RMS	36.40	-22.58	1.89	-95.23	24.24	-13.00	-42.28	Horizontal	



Site : 03CH23-HY
Condition: -13 3m DRH18-E_KV2D06A18ES_251105 Vertical
: WCDMA 1700 Ch1513

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3505.00	-53.60	RMS	28.63	-23.48	1.81	-95.23	34.67	-13.00	-40.60	Vertical	
2	5257.00	-58.58	RMS	32.49	-21.80	1.76	-95.23	24.20	-13.00	-45.58	Vertical	
3	7010.00	-55.44	RMS	36.40	-22.58	1.89	-95.23	24.08	-13.00	-42.44	Vertical	

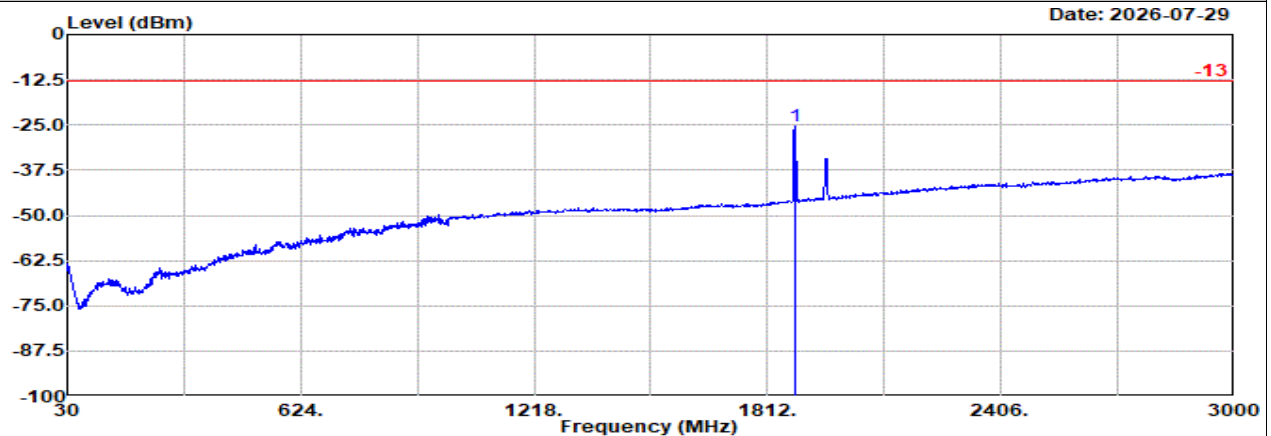


Ant. 1

Part 24E Mode 1

WCDMA B2 Ch9400

M



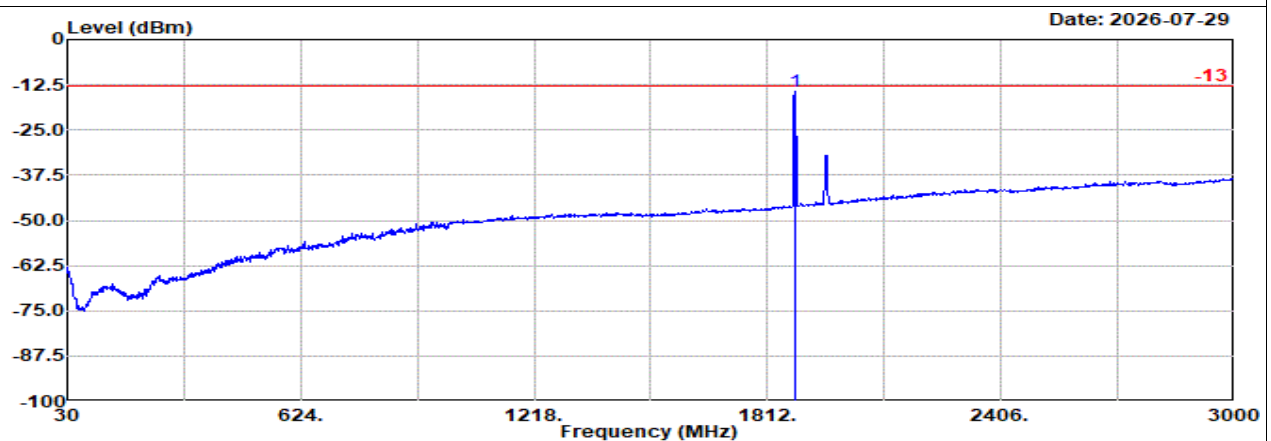
Site : 03CH23-HY

Condition: -13 3m CBL6111D_62028 & 003_251126 Horizontal

: WCDMA 1900 Ch9400

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	1882.00	-25.18	RMS	25.42	6.67	1.26	-95.23	36.70	-----	-----	Horizontal



Site : 03CH23-HY

Condition: -13 3m CBL6111D_62028 & 003_251126 Vertical

: WCDMA 1900 Ch9400

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	1880.00	-14.28	RMS	25.40	6.67	1.27	-95.23	47.61	-----	-----	Vertical