

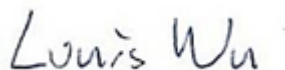


FCC RADIO TEST REPORT

FCC ID : GKRRMMG4
Equipment : 5G Module
Model Name : RMM-G4
Applicant : Compal Electronics, Inc.
No.581 & 581-1, Ruiguang Rd., Neihu
District, Taipei, (114) Taiwan
Manufacturer : Compal Electronics, Inc.
No.581 & 581-1, Ruiguang Rd., Neihu
District, Taipei city, (114) Taiwan
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27(L)

The product was received on Oct. 16, 2025 and testing was performed from Nov. 02, 2025 to Dec. 15, 2025. 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 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.



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.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Product Feature of Equipment Under Test	5
1.2 Modification of EUT	5
1.3 Testing Location	6
1.4 Applicable Standards	6
2 Test Configuration of Equipment Under Test	7
2.1 Test Mode.....	7
2.2 Connection Diagram of Test System	7
2.3 Support Unit used in test configuration	8
2.4 Measurement Results Explanation Example	8
2.5 Frequency List of Low/Middle/High Channels	8
3 Conducted Test Result	9
3.1 Measuring Instruments.....	9
3.2 Conducted Output Power and ERP/EIRP	10
3.3 Peak-to-Average Ratio	11
3.4 99% Occupied Bandwidth and 26dB Bandwidth Measurement.....	12
3.5 Conducted Band Edge	13
3.6 Conducted Spurious Emission	14
3.7 Frequency Stability	15
4 Radiated Test Items	16
4.1 Measuring Instruments.....	16
4.2 Test Setup	16
4.3 Test Result of Radiated Test.....	17
4.4 Field Strength of Spurious Radiation Measurement	18
5 List of Measuring Equipment.....	19
6 Measurement Uncertainty	21
Appendix A. Test Results of Conducted Test	
Appendix B. Test Results of Radiated Test	
Appendix C. Test Setup Photographs	



History of this test report

Report No.	Version	Description	Issue Date
FG591004-02C	01	Initial issue of report	Jan. 14, 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)		
3.3	§24.232 (d)	Peak-to-Average Ratio	Pass	-
3.4	§2.1049	Occupied Bandwidth (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Pass	-
	§22.917 (b)			
	§24.238 (b)			
	§27.53 (g)			
3.5	§2.1051	Band Edge Measurement (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Pass	-
	§22.917 (a)			
	§24.238 (a)			
	§27.53 (g)			
3.6	§2.1051	Conducted Emission (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Pass	-
	§22.917 (a)			
	§24.238 (a)			
	§27.53 (g)			
3.7	§2.1055	Frequency Stability Temperature & Voltage	Pass	-
	§22.355			
	§24.235			
	§27.54			
4.4	§2.1053	Field Strength of Spurious Radiation (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Pass	33.47 dB under the limit at 7409.00 MHz
	§22.917 (a)			
	§24.238 (a)			
	§27.53 (h)			

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: Keven Cheng

Report Producer: Shannon Huang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	WCDMA/LTE/5G NR and GNSS
Antenna Type	WWAN: PIFA Antenna and Monopole Antenna

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

Support band and evaluated information	
Supported band	B2, B4, B5
Evaluated and Tested band	B2, B4, B5

band Power Class				
	PC3			
WCDMA B2	V			
WCDMA B4	V			
WCDMA B5	V			

Antenna information			
	Band	Model Name	Antenna Type
WCDMA	2	Monopole_Ant3	Monopole
	4	PIFA_Ant3	PIFA
	5	PIFA_Ant4	PIFA

Remark: For Radiated spurious emissions, tests were performed using high-gain antennas in Monopole and PIFA antennas. The above EUT's information was declared by manufacturer.

RF Exposure							
Max Antenna Gain information(dBi)							
Band	Ant 0						Main Ant. #
WCDMA B2	8						0
WCDMA B4	5						0
WCDMA B5	6.1						0

Remark: The above EUT's information was 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. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. TH03-HY
Test Engineer	Eric Wu
Temperature (°C)	21.3 ~ 23.3
Relative Humidity (%)	47.3 ~ 49.3
Remark	The Conducted test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory

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

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. 03CH12-HY
Test Engineer	Gerry Wei, Tim Lee, and Wilson Wu
Temperature (°C)	20.0 ~ 25.0
Relative Humidity (%)	50.0 ~ 60.0

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

FCC Designation No.: TW1190 and 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
- ♦ ANSI / TIA-603-E
- ♦ 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 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 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:

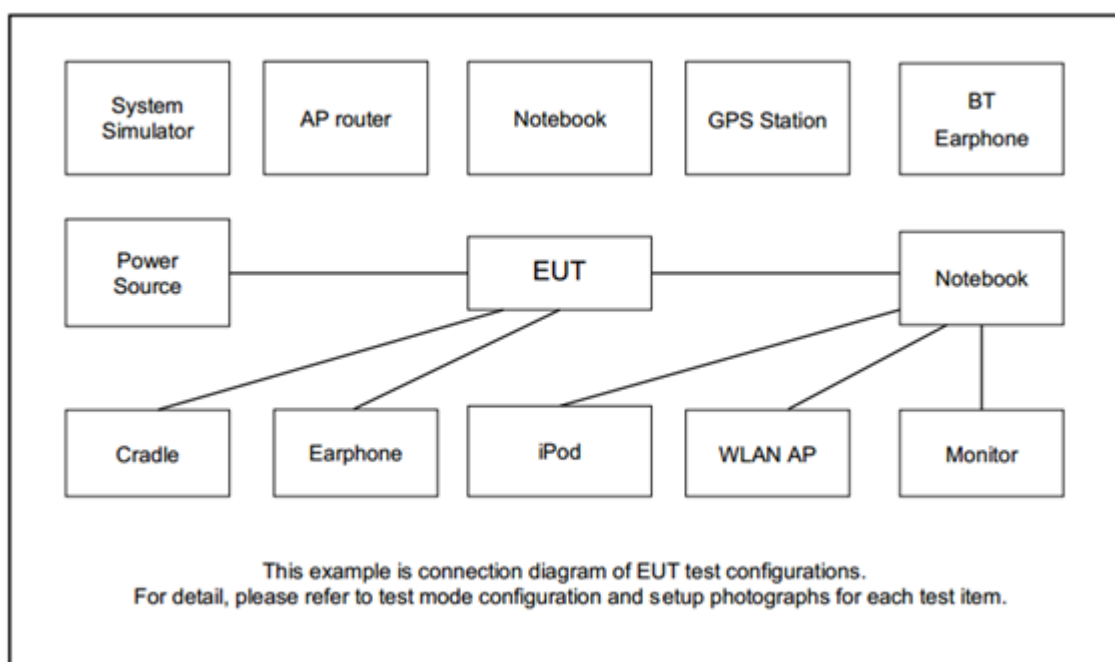
1. 30 MHz to 9000 MHz for WCDMA Band V
2. 30 MHz to 18000 MHz for WCDMA Band IV
3. 30 MHz to 19100 MHz for WCDMA Band II

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	8821C	N/A	N/A	N/A
2.	Base Station	Anritsu	8000A	N/A	N/A	N/A

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

The following shows an offset computation example with RF cable loss 4.2 dB and a 10 dB attenuator.

Example:

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

2.5 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

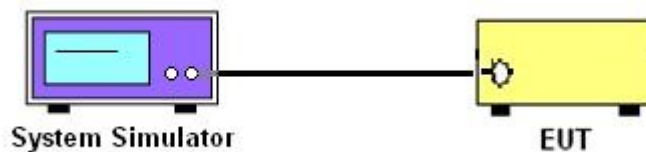
3 Conducted Test Result

3.1 Measuring Instruments

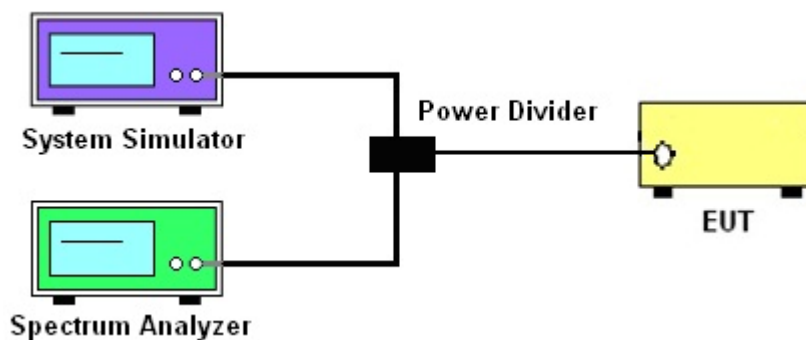
Please refer to the measuring equipment list in this test report.

3.1.1 Test Setup

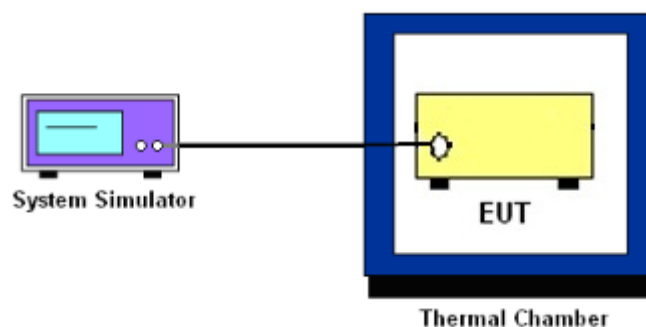
3.1.2 Conducted Output Power



3.1.3 Peak-to-Average Ratio, Occupied Bandwidth, Conducted Band-Edge and Conducted Spurious Emission



3.1.4 Frequency Stability



3.1.5 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.



3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

1. The EUT is connected to spectrum analyzer and system simulator via a power divider.
2. Set EUT to transmit at maximum output power.
3. When the duty cycle is less than 98%, then signal gating will be implemented on the spectrum analyzer by triggering from the system simulator.
4. Set the CCDF (Complementary Cumulative Distribution Function) option of the spectrum analyzer.
5. Record the maximum PAPR level associated with a probability of 0.1%.

3.4 99% Occupied Bandwidth and 26dB Bandwidth Measurement

3.4.1 Description of 99% Occupied Bandwidth and 26dB Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

1. The EUT is connected to spectrum analyzer and system simulator via a power divider.
2. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency.
The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
3. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
4. Set the detection mode to peak, and the trace mode to max hold.
5. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
(This is the reference value)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.



3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT is connected to the spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT is connected to the spectrum analyzer by an RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. The band edges of low and high channels for the highest RF powers are measured.
4. The RF fundamental frequency shall be excluded against the limit line in the operating frequency band.
5. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

3.6 Conducted Spurious Emission

3.6.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT is connected to the spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT is connected to the spectrum analyzer by an RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency is measured.
4. The conducted spurious emission for the whole frequency range is taken.
5. The RF fundamental frequency shall be excluded against the limit line in the operating frequency band.
6. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

3.7 Frequency Stability

3.7.1 Description of Frequency Stability Measurement

22.355

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

24.235 & 27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT is set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature is decreased to -30°C and the EUT is stabilized before testing. Power is applied and the maximum change in frequency is recorded within one minute.
3. With power OFF, the temperature is raised in 10°C steps up to 50°C . The EUT is stabilized at each step for at least half an hour. Power is applied and the maximum frequency change is recorded within one minute.

3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT is placed in a temperature chamber at $20\pm 5^{\circ}\text{C}$ and connected with the system simulator.
2. The power supply voltage to the EUT is varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency is measured for the worst case.

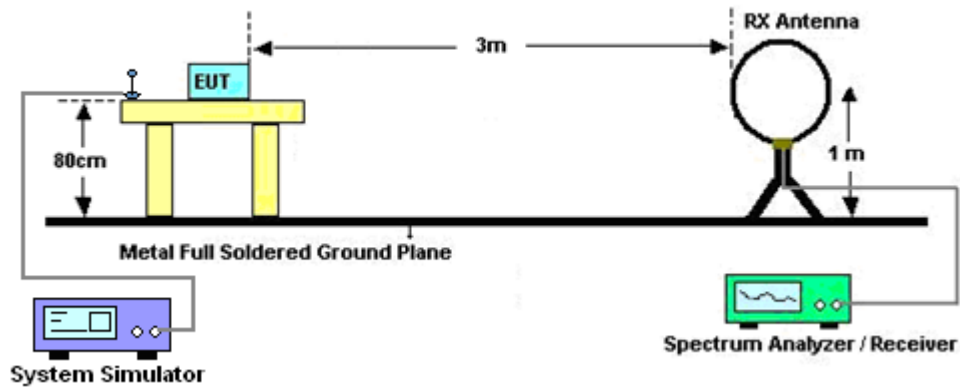
4 Radiated Test Items

4.1 Measuring Instruments

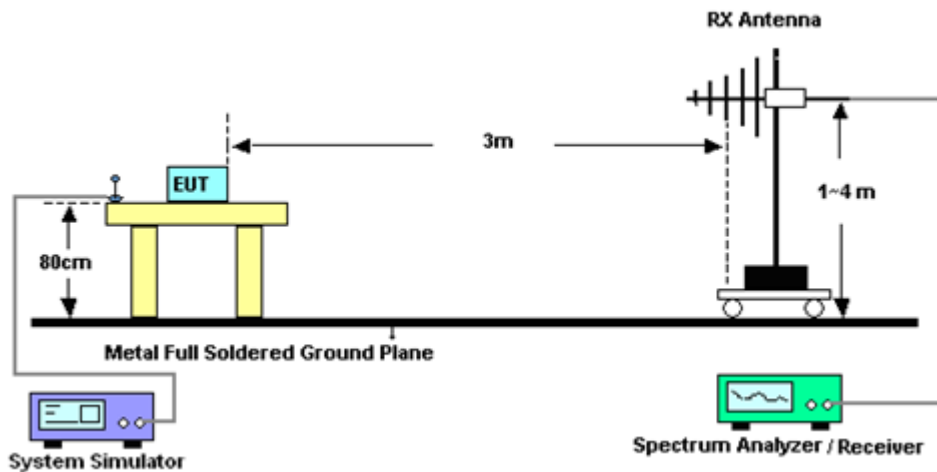
Please refer to the measuring equipment list in this test report.

4.2 Test Setup

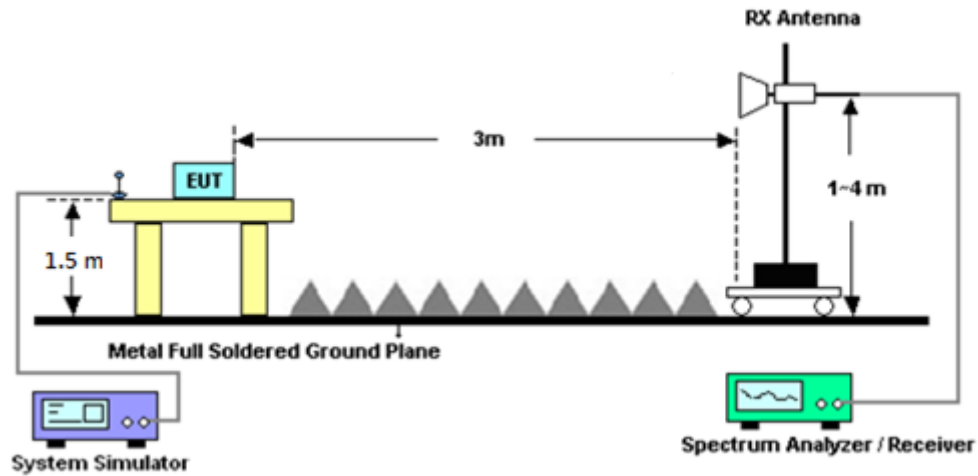
For radiated test below 30MHz



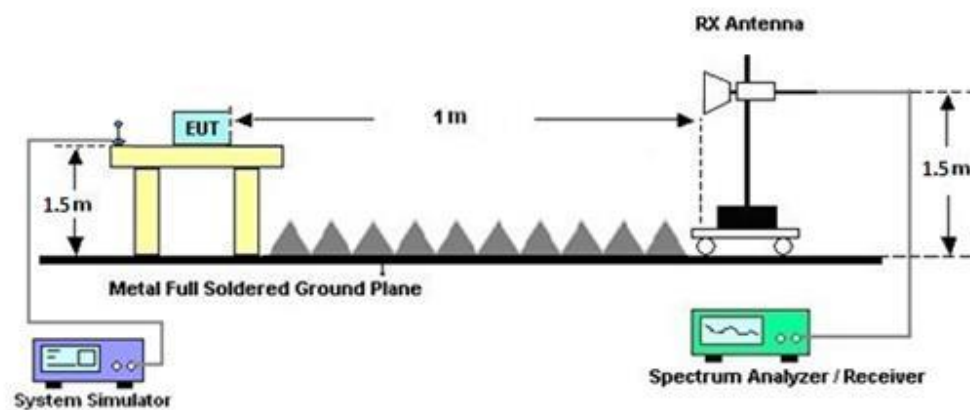
For radiated test from 30MHz to 1GHz



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
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Mar. 06, 2025	Nov. 02 2025~ Dec. 15 2025	Mar. 05, 2026	Radiation (03CH12-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 18, 2024	Nov. 02 2025~ Dec. 15 2025	Dec. 17, 2025	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Nov. 26, 2025	Nov. 02 2025~ Dec. 15 2025	Nov. 25, 2026	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Jul. 02, 2025	Nov. 02 2025~ Dec. 15 2025	Jul. 01, 2026	Radiation (03CH12-HY)
Preamplifier	E-INSTRUME NT TECH LTD.	ERA-100M-18 G-56-01-A70	EC1900269	1GHz-18GHz	Dec. 19, 2024	Nov. 02 2025~ Dec. 15 2025	Dec. 18, 2025	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Sep. 09, 2025	Nov. 02 2025~ Dec. 15 2025	Sep. 08, 2026	Radiation (03CH12-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz~26.5GHz	Sep. 08, 2025	Nov. 02 2025~ Dec. 15 2025	Sep. 07, 2026	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	00994	18GHz~40GHz	Jan. 09, 2025	Nov. 02 2025~ Dec. 15 2025	Jan. 08, 2026	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 02, 2024	Nov. 02 2025~ Dec. 15 2025	Dec. 01, 2025	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 02, 2025	Nov. 02 2025~ Dec. 15 2025	Dec. 01, 2026	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 26, 2025	Nov. 02 2025~ Dec. 15 2025	May 25, 2026	Radiation (03CH12-HY)
Notch Filter	Wainwright	WLKS1200-12 SS	SN2	1.2GHz Low Pass Filter	Mar. 12, 2025	Nov. 02 2025~ Dec. 15 2025	Mar. 11, 2026	Radiation (03CH12-HY)
Notch Filter	Wainwright	WHKX12-900- 1000-15000-6 0SS	SN11	1GHz High Pass Filter	Mar. 12, 2025	Nov. 02 2025~ Dec. 15 2025	Mar. 11, 2026	Radiation (03CH12-HY)
Notch Filter	Wainwright	WHKX12-2700 -3000-18000-6 0ST	SN2	3GHz High Pass Filter	Mar. 12, 2025	Nov. 02 2025~ Dec. 15 2025	Mar. 11, 2026	Radiation (03CH12-HY)
Notch Filter	Wainwright	WHKX8-5872. 5-6750-18000- 40ST	SN2	6.75GHz High Pass Filter	Mar. 12, 2025	Nov. 02 2025~ Dec. 15 2025	Mar. 11, 2026	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803955/2	30MHz~40GHz	Oct. 31, 2025	Nov. 02 2025~ Dec. 15 2025	Oct. 30, 2026	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Oct. 31, 2025	Nov. 02 2025~ Dec. 15 2025	Oct. 30, 2026	Radiation (03CH12-HY)
RF Cable	EMCI	EMC101Y-KM- KM-1000	240905	30MHz~40GHz	Oct. 31, 2025	Nov. 02 2025~ Dec. 15 2025	Oct. 30, 2026	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLE X 104	EC-A5-300-5 757,805935/ 4	9kHz~30MHz	Oct. 01, 2025	Nov. 02 2025~ Dec. 15 2025	Sep. 30, 2026	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP210090	N/A	Aug. 26, 2025	Nov. 02 2025~ Dec. 15 2025	Aug. 25, 2026	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 02 2025~ Dec. 15 2025	N/A	Radiation (03CH12-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Nov. 02 2025~ Dec. 15 2025	N/A	Radiation (03CH12-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6272278353	LTE FDD/TDD DLCA/ULCA	Oct. 28, 2025	Nov. 02 2025~ Dec. 15 2025	Oct. 27, 2026	Radiation (03CH12-HY)
Radio Communication Test Station	Anritsu	MT8000A	6262261912	N/A	May 07, 2025	Nov. 02 2025~ Dec. 15 2025	May 06, 2026	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Nov. 02 2025~ Dec. 15 2025	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Nov. 02 2025~ Dec. 15 2025	N/A	Radiation (03CH12-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101329	9kHz~30GHz	Sep. 30, 2025	Nov. 13, 2025~ Dec. 05, 2025	Sep. 29, 2026	Conducted (TH03-HY)
Universal Digital Radio COMM. Tester	Rohde & Schwarz	CMU200	117995	GSM / GPRS / WCDMA / CDMA	Aug. 14, 2025	Nov. 13, 2025~ Dec. 05, 2025	Aug. 13, 2026	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPE-2323	GEU871221	0V~64V ; 0A~6A	Apr. 14, 2025	Nov. 13, 2025~ Dec. 05, 2025	Apr. 13, 2026	Conducted (TH03-HY)
Temperature & Humidity Cabinet Chamber	ESPEC	LHU-113	1012005860	-20°C~85°C	Dec. 10, 2024	Nov. 13, 2025~ Dec. 05, 2025	Dec. 09, 2025	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	N/A	Mar. 03, 2025	Nov. 13, 2025~ Dec. 05, 2025	Mar. 02, 2026	Conducted (TH03-HY)

6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.5 dB
---	--------

Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9 dB
---	--------

Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.7 dB
---	--------

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9 dB
---	--------

Appendix A. Test Results of Conducted Test

Conducted Output Power (Average power and ERP/EIRP)					
WCDMA Band V Maximum Average Power [dBm] (GT - LC = 6.1 dB)					
Channel	4132	4182	4233	ERP (dBm)	ERP (W)
Frequency	826.4	836.4	846.6		
RMC 12.2K	24.85	24.92	24.83	28.87	0.7709
HSDPA Subtest-1	23.90	23.95	23.86		
HSDPA Subtest-2	23.87	23.88	23.86		
HSDPA Subtest-3	23.47	23.46	23.43		
HSDPA Subtest-4	23.31	23.47	23.39		
HSUPA Subtest-1	21.86	21.91	21.89		
HSUPA Subtest-2	21.92	21.93	21.80		
HSUPA Subtest-3	22.91	22.93	22.92		
HSUPA Subtest-4	21.38	21.45	21.36		
HSUPA Subtest-5	22.90	23.00	22.90		
HSPA+ (16QAM) Subtest-	22.62	22.66	22.62		
Limit	ERP < 7W			Result	Pass

WCDMA Band II Maximum Average Power [dBm] (GT - LC = 8 dB)					
Channel	9262	9400	9538	EIRP (dBm)	EIRP (W)
Frequency	1852.4	1880	1907.6		
RMC 12.2K	24.82	24.80	24.90	32.90	1.9498
HSDPA Subtest-1	23.88	23.91	23.90		
HSDPA Subtest-2	23.82	23.92	23.96		
HSDPA Subtest-3	23.36	23.42	23.50		
HSDPA Subtest-4	23.35	23.31	23.42		
HSUPA Subtest-1	21.81	21.85	21.83		
HSUPA Subtest-2	21.84	21.88	21.88		
HSUPA Subtest-3	22.97	22.90	22.90		
HSUPA Subtest-4	21.40	21.37	21.49		
HSUPA Subtest-5	22.80	22.90	22.90		
HSPA+ (16QAM) Subtest-	22.61	22.46	22.63		
Limit	EIRP < 2W			Result	Pass

WCDMA Band IV Maximum Average Power [dBm] (GT - LC = 5 dB)					
Channel	1312	1413	1513	EIRP (dBm)	EIRP (W)
Frequency	1712.4	1732.6	1752.6		
RMC 12.2K	24.83	24.90	24.93	29.93	0.9840
HSDPA Subtest-1	23.86	23.95	23.98		
HSDPA Subtest-2	23.94	23.98	23.92		
HSDPA Subtest-3	23.46	23.50	23.43		
HSDPA Subtest-4	23.43	23.47	23.46		
HSUPA Subtest-1	21.86	21.90	21.92		
HSUPA Subtest-2	21.88	21.86	21.96		
HSUPA Subtest-3	22.89	22.93	22.90		
HSUPA Subtest-4	21.39	21.42	21.48		
HSUPA Subtest-5	22.90	22.90	22.90		
HSPA+ (16QAM) Subtest-	22.60	22.70	22.72		
Limit	EIRP < 1W			Result	Pass

**Peak-to-Average Ratio**

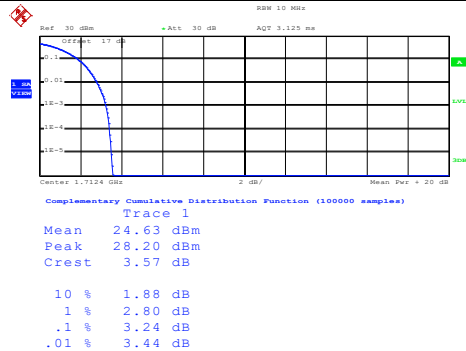
Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV	Limit: 13dB
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps	Result
Lowest CH	2.80	2.92	3.24	PASS
Middle CH	2.72	2.96	3.20	
Highest CH	2.40	3.08	3.40	



WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	Lowest Channel
Center 826.4 MHz Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.64 dBm Peak 27.78 dBm Crest 3.14 dB 10 % 1.76 dB 1 % 2.48 dB .1 % 2.80 dB .01 % 2.96 dB Date: 21.NOV.2025 16:25:53	Center 1.8524 GHz Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.88 dBm Peak 28.13 dBm Crest 3.25 dB 10 % 1.76 dB 1 % 2.52 dB .1 % 2.92 dB .01 % 3.08 dB Date: 21.NOV.2025 15:17:30
Middle Channel	Middle Channel
Center 826.4 MHz Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.72 dBm Peak 27.78 dBm Crest 3.06 dB 10 % 1.72 dB 1 % 2.40 dB .1 % 2.72 dB .01 % 2.88 dB Date: 21.NOV.2025 16:26:26	Center 1.85 GHz Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.78 dBm Peak 28.13 dBm Crest 3.35 dB 10 % 1.80 dB 1 % 2.56 dB .1 % 2.96 dB .01 % 3.16 dB Date: 21.NOV.2025 15:18:13
Highest Channel	Highest Channel
Center 846.6 MHz Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.51 dBm Peak 27.22 dBm Crest 2.71 dB 10 % 1.52 dB 1 % 2.12 dB .1 % 2.40 dB .01 % 2.56 dB Date: 21.NOV.2025 16:26:56	Center 1.9076 GHz Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.88 dBm Peak 28.27 dBm Crest 3.39 dB 10 % 1.80 dB 1 % 2.68 dB .1 % 3.08 dB .01 % 3.24 dB Date: 21.NOV.2025 15:18:49

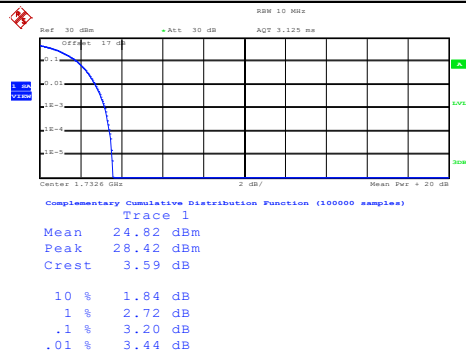
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



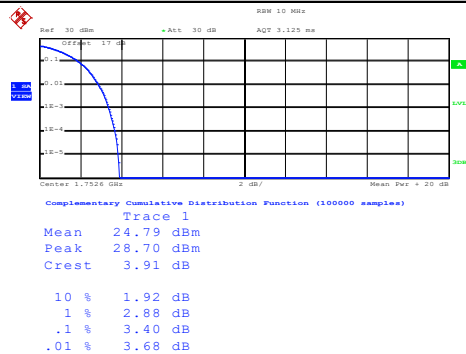
Date: 21.NOV.2025 15:41:03

Middle Channel



Date: 21.NOV.2025 15:41:33

Highest Channel



Date: 21.NOV.2025 15:41:58

**26dB Bandwidth**

Mode	WCDMA Band V 26dB BW(MHz)	WCDMA Band II 26dB BW(MHz)	WCDMA Band IV 26dB BW(MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.77	4.71	4.69
Middle CH	4.70	4.70	4.69
Highest CH	4.85	4.69	4.69



WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	Lowest Channel
Date: 21.NOV.2025 15:48:03	Date: 21.NOV.2025 14:56:16
Middle Channel	Middle Channel
Date: 21.NOV.2025 15:48:52	Date: 21.NOV.2025 14:57:09
Highest Channel	Highest Channel
Date: 21.NOV.2025 15:49:37	Date: 21.NOV.2025 14:58:27

**Occupied Bandwidth**

Mode	WCDMA Band V 99%OBW(MHz)	WCDMA Band II 99%OBW(MHz)	WCDMA Band IV 99%OBW(MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.16	4.16	4.16
Middle CH	4.17	4.17	4.16
Highest CH	4.22	4.15	4.16



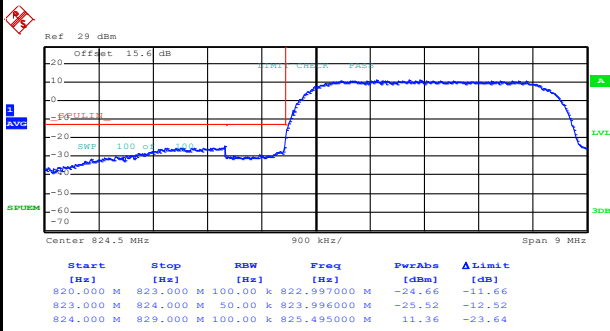
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	Lowest Channel
Date: 21.NOV.2025 16:11:51	Date: 21.NOV.2025 15:00:13
Middle Channel	Middle Channel
Date: 21.NOV.2025 16:12:42	Date: 21.NOV.2025 15:00:55
Highest Channel	Highest Channel
Date: 21.NOV.2025 16:13:31	Date: 21.NOV.2025 15:01:36



Conducted Band Edge

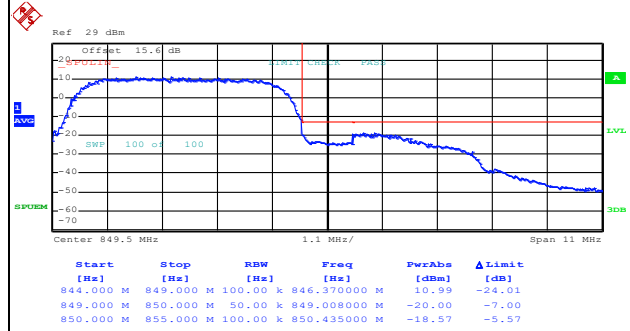
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 21.NOV.2025 16:17:24

Highest Band Edge



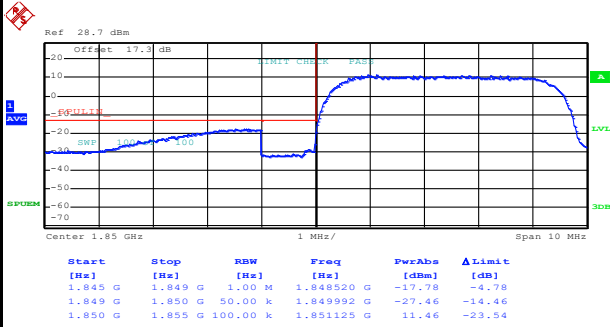
Date: 21.NOV.2025 16:20:27



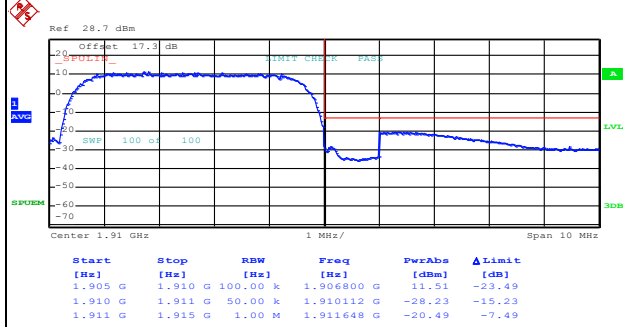
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 21.NOV.2025 15:08:07

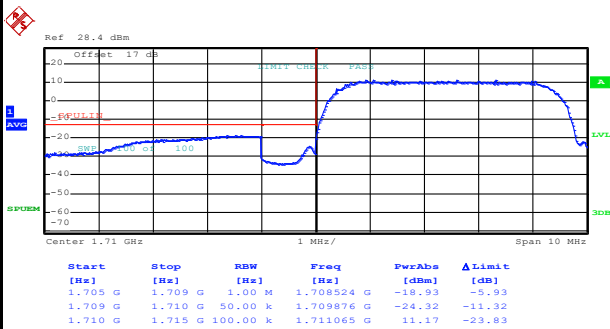


Date: 21.NOV.2025 15:11:15

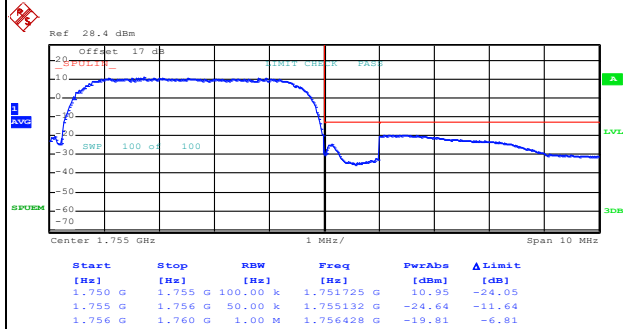
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 21.NOV.2025 15:32:53

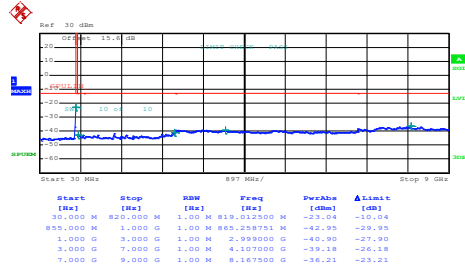


Date: 21.NOV.2025 15:35:52

Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

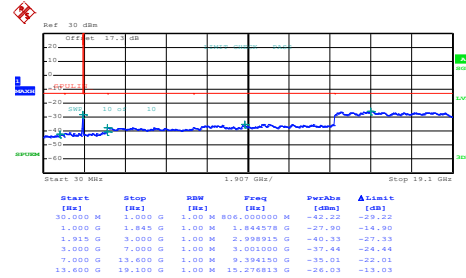
Lowest Channel



Date: 21.NOV.2025 16:21:56

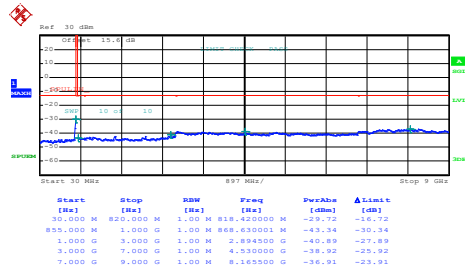
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



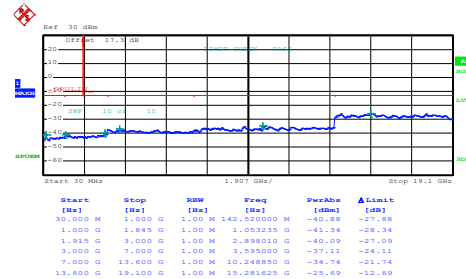
Date: 21.NOV.2025 15:13:07

Middle Channel



Date: 21.NOV.2025 16:22:58

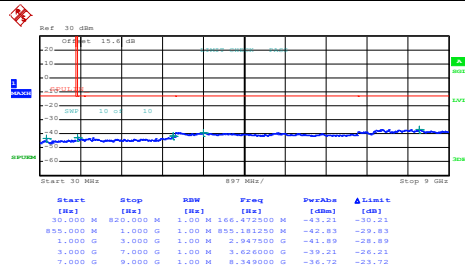
Middle Channel



Date: 21.NOV.2025 15:14:11

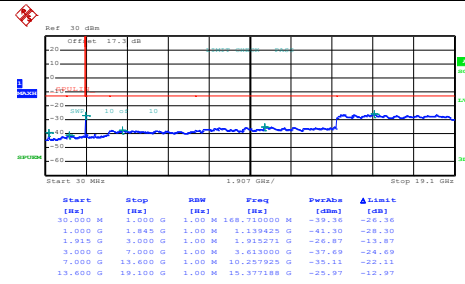


Highest Channel



Date: 21.NOV.2025 16:24:01

Highest Channel

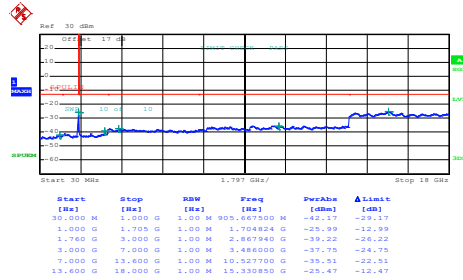


Date: 21.NOV.2025 15:15:16



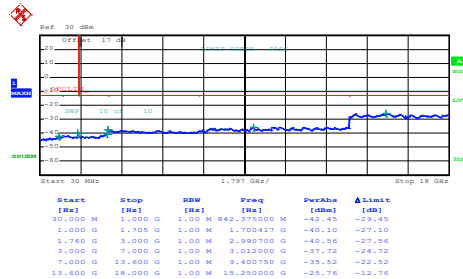
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



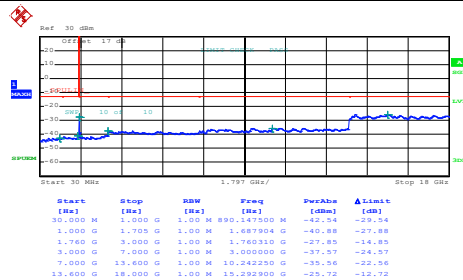
Date: 21.NOV.2025 15:37:40

Middle Channel



Date: 21.NOV.2025 15:38:41

Highest Channel



Date: 21.NOV.2025 15:39:46

Frequency Stability

Test Conditions		WCDMA Band V (RMC 12.2Kbps) / Low Channel			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Deviation (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0024	2	Yes	PASS
40	Normal Voltage	0.0012	-1	Yes	
30	Normal Voltage	0.0048	4	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0036	3	Yes	
0	Normal Voltage	0.0048	-4	Yes	
-10	Normal Voltage	0.0060	5	Yes	
-20	Normal Voltage	0.0132	-11	Yes	
-30	Normal Voltage	0.0012	1	Yes	
20	Maximum Voltage	0.0072	6	Yes	
20	Normal Voltage	0.0024	-2	Yes	
20	Minimum Voltage	0.0084	7	Yes	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.05 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. The frequency variation is sufficient to ensure that the occupied bandwidth of all operation channels stay within the operating frequency block or frequency block group.

Test Conditions		WCDMA Band II (RMC 12.2 Kbps) / Middle Channel			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Deviation (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0122	-23	Yes	PASS
40	Normal Voltage	0.0016	-3	Yes	
30	Normal Voltage	0.0138	-26	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0064	12	Yes	
0	Normal Voltage	0.0011	-2	Yes	
-10	Normal Voltage	0.0005	-1	Yes	
-20	Normal Voltage	0.0021	4	Yes	
-30	Normal Voltage	0.0005	1	Yes	
20	Maximum Voltage	0.0021	-4	Yes	
20	Normal Voltage	0.0027	-5	Yes	
20	Minimum Voltage	0.0011	2	Yes	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.05 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. The frequency variation is sufficient to ensure that the occupied bandwidth of all operation channels stay within the operating frequency block or frequency block group.

Test Conditions		WCDMA Band IV (RMC 12.2 Kbps) / Middle Channel			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Deviation (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0063	-11	Yes	PASS
40	Normal Voltage	0.0144	-25	Yes	
30	Normal Voltage	0.0058	-10	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0075	-13	Yes	
0	Normal Voltage	0.0046	-8	Yes	
-10	Normal Voltage	0.0277	-48	Yes	
-20	Normal Voltage	0.0035	-6	Yes	
-30	Normal Voltage	0.0029	-5	Yes	
20	Maximum Voltage	0.0156	-27	Yes	
20	Normal Voltage	0.0150	-26	Yes	
20	Minimum Voltage	0.0052	-9	Yes	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.05 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. The frequency variation is sufficient to ensure that the occupied bandwidth of all operation channels stay within the operating frequency block or frequency block group.



Appendix B. Radiated Spurious Emission Test Data

Test Engineer :	Tim Lee, Wilson Wu, and Gerry Wei	Relative Humidity(%):	50.0 ~ 60.0
		Temperature(°C):	20.0 ~ 25.0

B1. Summary of each worse mode

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	Amp/Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 22H	WCDMA B5	H	3386	-56.38	RMS	29.77	-26.10	0.27	-95.23	34.91	-13.00	-43.38	V	PIFA4_Ant0
1	Part 24E	WCDMA B2	L	7409	-46.47	RMS	36.86	-22.06	0.24	-95.23	33.72	-13.00	-33.47	V	Monopole3_Ant0
1	Part 27L	WCDMA B4	H	7010	-46.87	RMS	36.24	-22.37	0.30	-95.23	34.19	-13.00	-33.87	H	PIFA3_Ant0

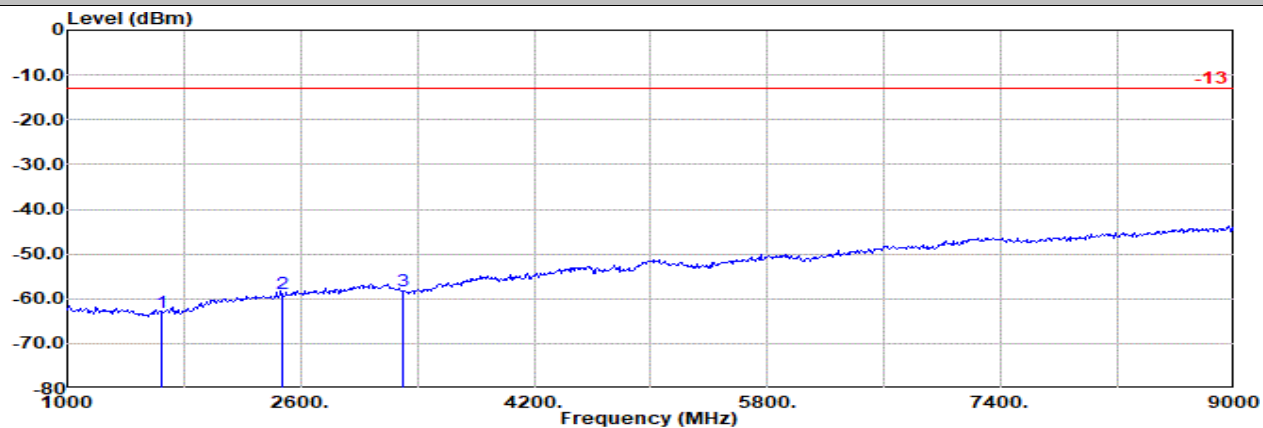


Ant. PIFA4_Ant0

Part 22H Mode 1

WCDMA B5 Ch4132

L

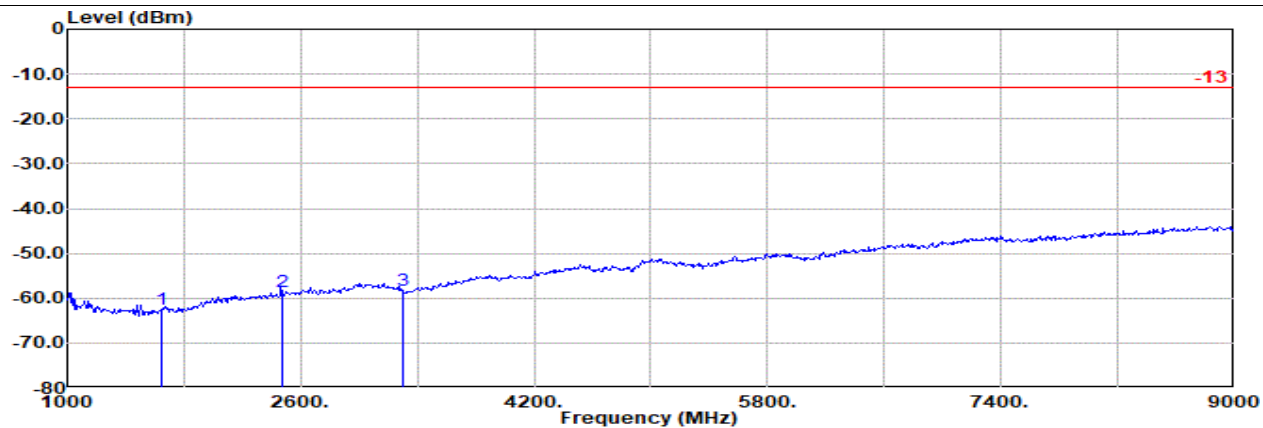


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Horizontal

: WCDMA Band 5 Ch4132

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1652.00	-63.00	RMS	25.42	-29.27	0.40	-95.23	35.68	-13.00	-50.00	Horizontal
2	2479.00	-59.00	RMS	27.89	-27.28	0.21	-95.23	35.41	-13.00	-46.00	Horizontal
3	3305.00	-58.12	RMS	29.70	-26.23	0.20	-95.23	33.44	-13.00	-45.12	Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Vertical

: WCDMA Band 5 Ch4132

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1652.00	-62.37	RMS	25.42	-29.27	0.40	-95.23	36.31	-13.00	-49.37	Vertical
2	2479.00	-58.65	RMS	27.89	-27.28	0.21	-95.23	35.76	-13.00	-45.65	Vertical
3	3305.00	-58.30	RMS	29.70	-26.23	0.20	-95.23	33.26	-13.00	-45.30	Vertical

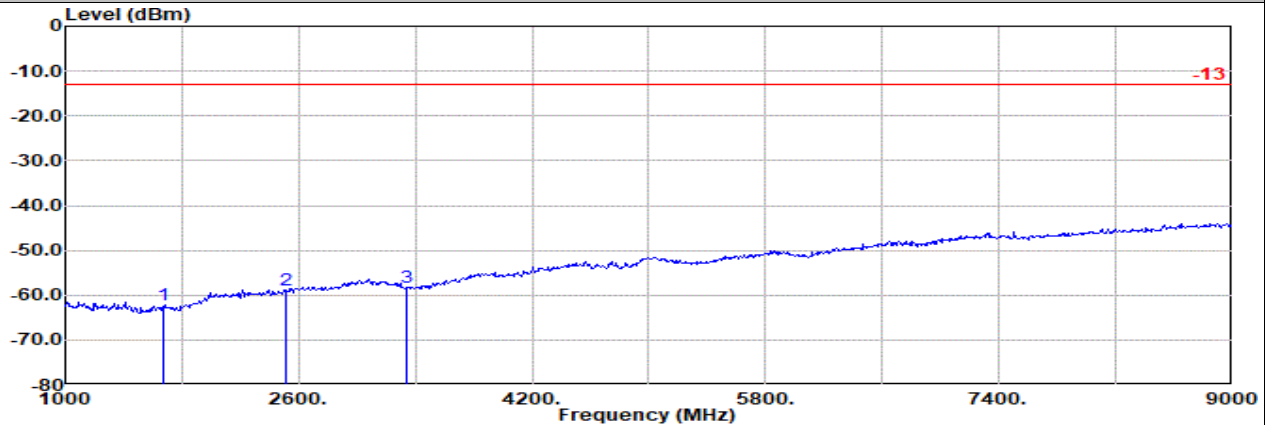


Ant. PIFA4_Ant0

Part 22H Mode 1

WCDMA B5 Ch4182

M

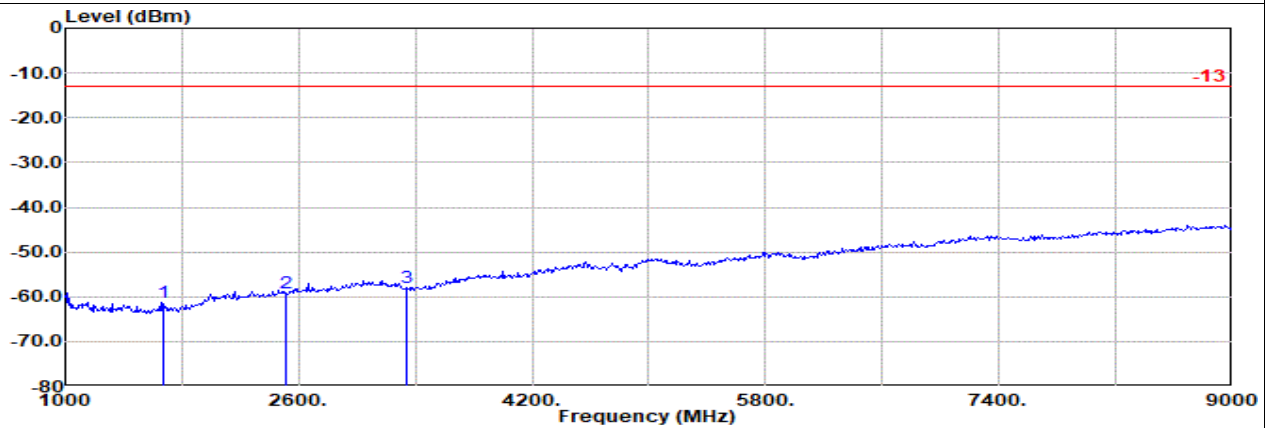


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Horizontal

: WCDMA Band 5 Ch4182

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Reading	Limit	Margin	Pol
					dB/m	dB			dBuV	dBm	dB	
1	1672.00	-62.21	RMS	25.50	-29.17	0.39	-95.23	36.30	-13.00	-49.21	Horizontal	
2	2509.00	-58.84	RMS	28.10	-27.25	0.20	-95.23	35.34	-13.00	-45.84	Horizontal	
3	3345.00	-58.28	RMS	29.70	-26.17	0.24	-95.23	33.18	-13.00	-45.28	Horizontal	



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Vertical

: WCDMA Band 5 Ch4182

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Reading	Limit	Margin	Pol
					dB/m	dB			dBuV	dBm	dB	
1	1672.00	-61.22	RMS	25.50	-29.17	0.39	-95.23	37.29	-13.00	-48.22	Vertical	
2	2509.00	-59.03	RMS	28.10	-27.25	0.20	-95.23	35.15	-13.00	-46.03	Vertical	
3	3345.00	-58.03	RMS	29.70	-26.17	0.24	-95.23	33.43	-13.00	-45.03	Vertical	

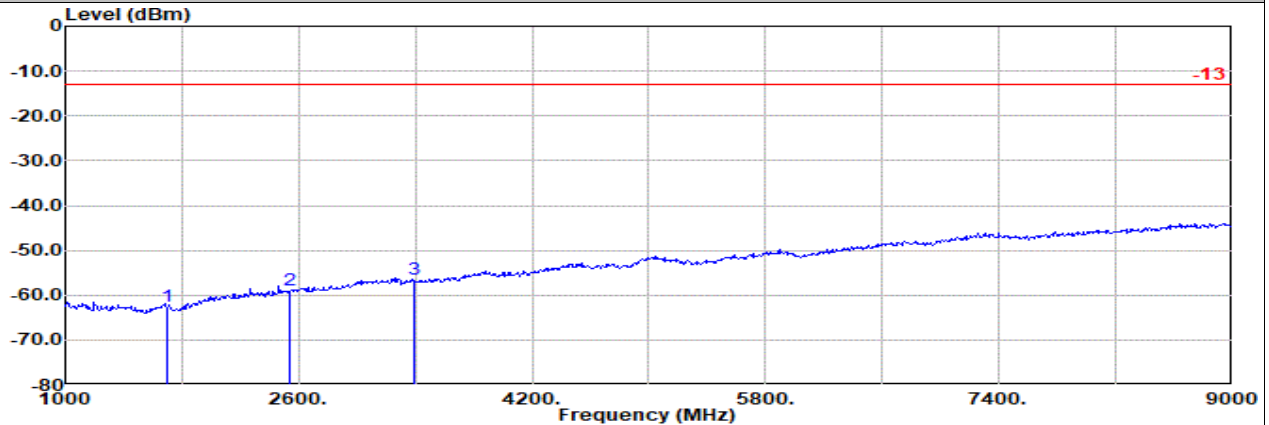


Ant. PIFA4_Ant0

Part 22H Mode 1

WCDMA B5 Ch4233

H

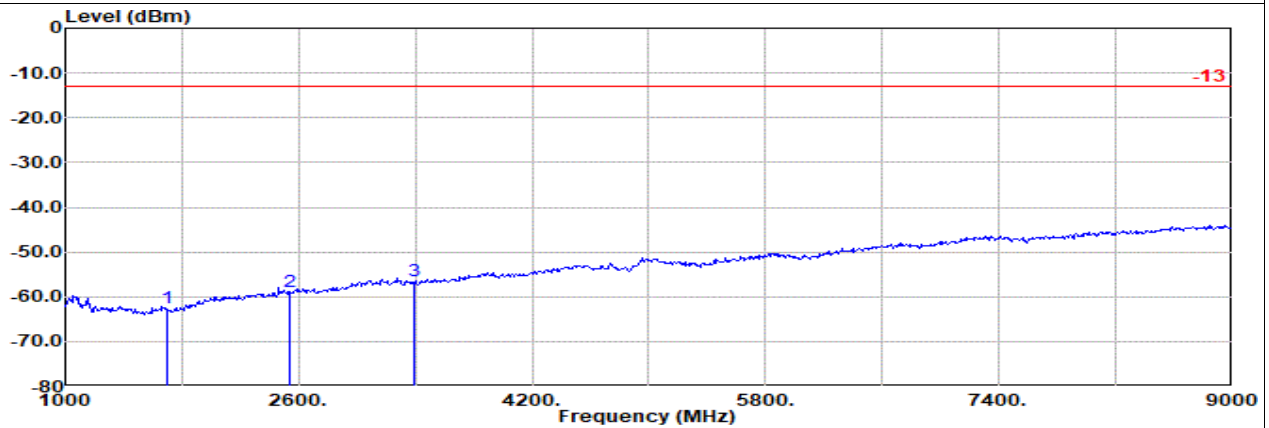


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Horizontal

: WCDMA Band 5 Ch4233

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1				g		
	MHz	dBm		dB/m	dB	dB		dBuV	dBm	dB	
1	1693.00	-62.60	RMS	25.37	-29.08	0.38	-95.23	35.96	-13.00	-49.60	Horizontal
2	2539.00	-58.94	RMS	28.30	-27.21	0.19	-95.23	35.01	-13.00	-45.94	Horizontal
3	3386.00	-56.47	RMS	29.77	-26.10	0.27	-95.23	34.82	-13.00	-43.47	Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Vertical

: WCDMA Band 5 Ch4233

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1693.00	-62.51	RMS	25.37	-29.08	0.38	-95.23	36.05	-13.00	-49.51	Vertical
2	2539.00	-58.96	RMS	28.30	-27.21	0.19	-95.23	34.99	-13.00	-45.96	Vertical
3	3386.00	-56.38	RMS	29.77	-26.10	0.27	-95.23	34.91	-13.00	-43.38	Vertical

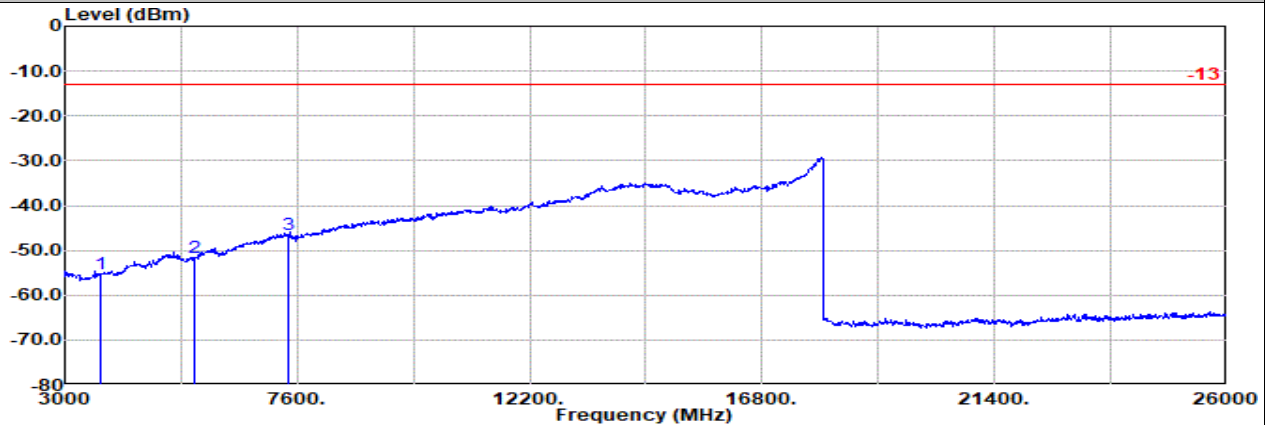


Ant. Monopole3_Ant0

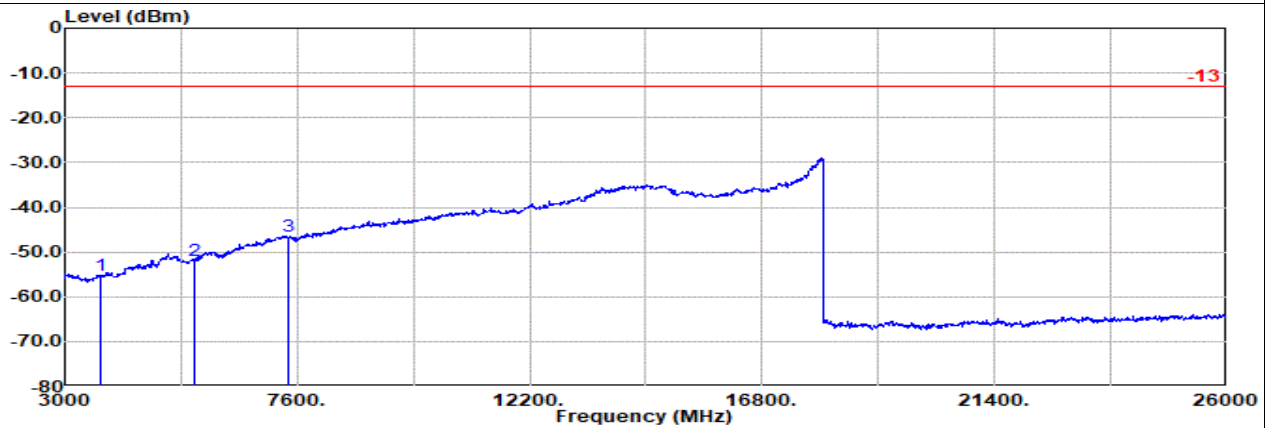
Part 24E Mode 1

WCDMA B2 Ch9262

L



	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3704.00	-55.36	RMS	29.92	-25.62	0.86	-95.23	34.71	-13.00	-42.36 Horizontal
2	5557.00	-51.65	RMS	33.30	-23.37	0.22	-95.23	33.43	-13.00	-38.65 Horizontal
3	7409.00	-46.61	RMS	36.86	-22.06	0.24	-95.23	33.58	-13.00	-33.61 Horizontal



	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3704.00	-55.38	RMS	29.92	-25.62	0.86	-95.23	34.69	-13.00	-42.38 Vertical
2	5557.00	-51.81	RMS	33.30	-23.37	0.22	-95.23	33.27	-13.00	-38.81 Vertical
3	7409.00	-46.47	RMS	36.86	-22.06	0.24	-95.23	33.72	-13.00	-33.47 Vertical

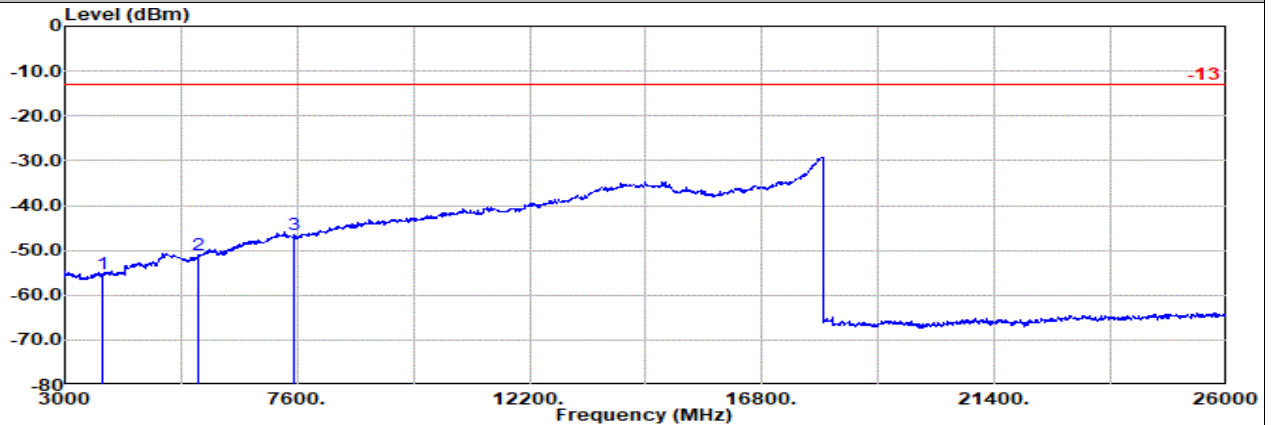


Ant. Monopole3_Ant0

Part 24E Mode 1

WCDMA B2 Ch9400

M

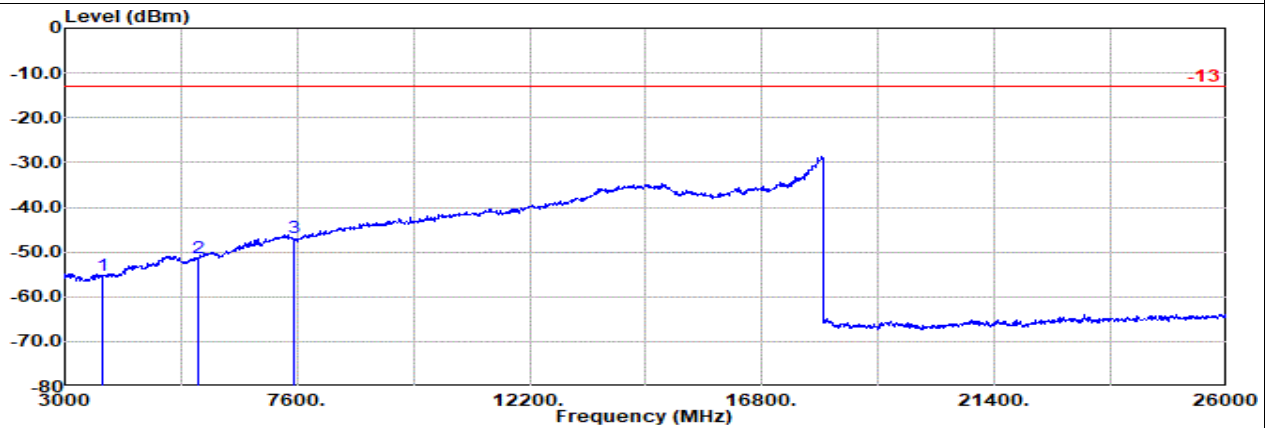


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Horizontal

: WCDMA Band2 Ch9400

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3760.00	-55.33	RMS	30.26	-25.56	0.72	-95.23	34.48	-13.00	-42.33
2	5640.00	-51.06	RMS	33.38	-23.29	0.23	-95.23	33.85	-13.00	-38.06
3	7520.00	-46.62	RMS	36.52	-21.99	0.12	-95.23	33.96	-13.00	-33.62



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Vertical

: WCDMA Band2 Ch9400

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3760.00	-55.15	RMS	30.26	-25.56	0.72	-95.23	34.66	-13.00	-42.15
2	5640.00	-51.21	RMS	33.38	-23.29	0.23	-95.23	33.70	-13.00	-38.21
3	7520.00	-46.86	RMS	36.52	-21.99	0.12	-95.23	33.72	-13.00	-33.86

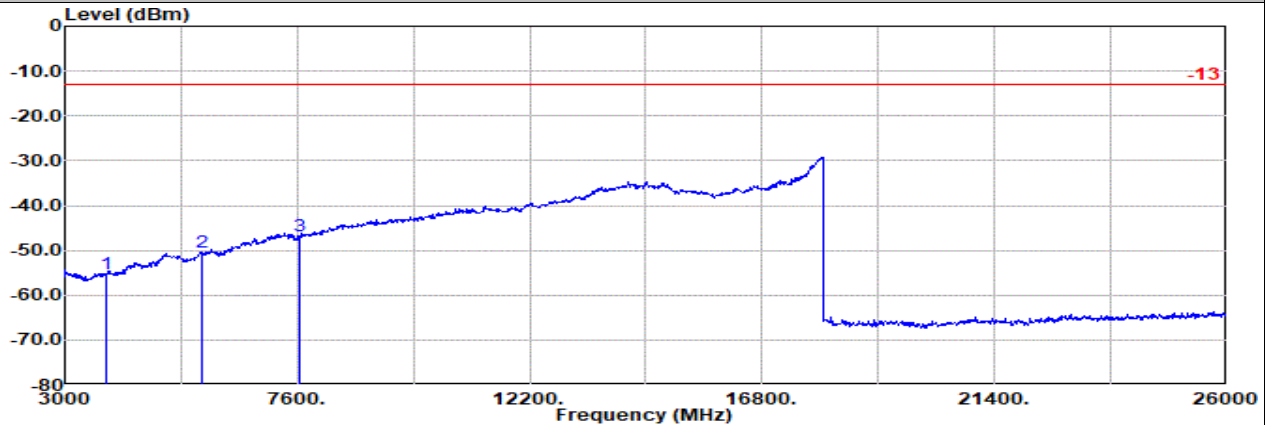


Ant. Monopole3_Ant0

Part 24E Mode 1

WCDMA B2 Ch9538

H

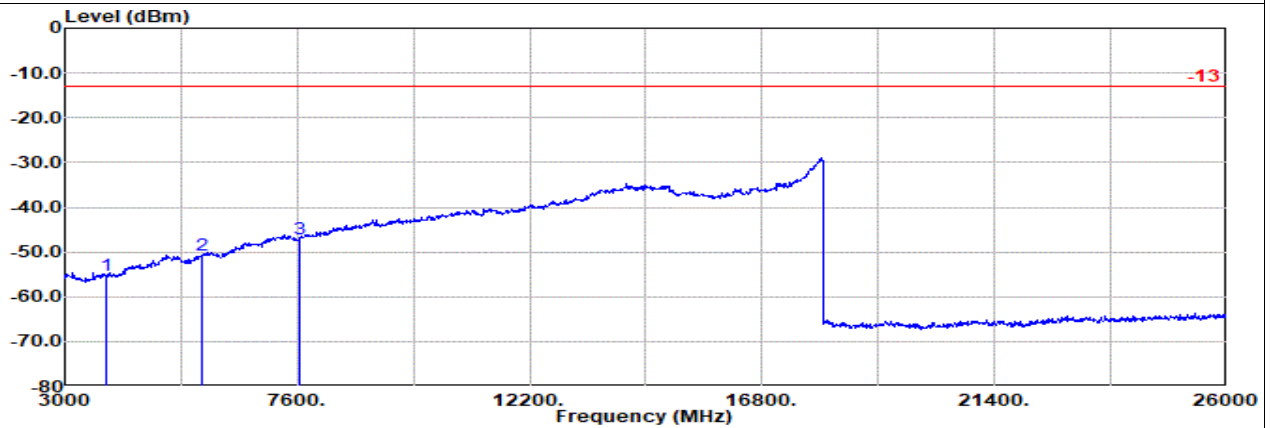


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Horizontal

: WCDMA Band2 Ch9538

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3815.00	-55.37	RMS	30.62	-25.49	0.62	-95.23	34.11	-13.00	-42.37 Horizontal
2	5722.00	-50.46	RMS	33.79	-23.27	0.36	-95.23	33.89	-13.00	-37.46 Horizontal
3	7630.00	-46.65	RMS	36.52	-21.95	0.07	-95.23	33.94	-13.00	-33.65 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Vertical

: WCDMA Band2 Ch9538

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3815.00	-55.16	RMS	30.62	-25.49	0.62	-95.23	34.32	-13.00	-42.16 Vertical
2	5722.00	-50.59	RMS	33.79	-23.27	0.36	-95.23	33.76	-13.00	-37.59 Vertical
3	7630.00	-47.13	RMS	36.52	-21.95	0.07	-95.23	33.46	-13.00	-34.13 Vertical

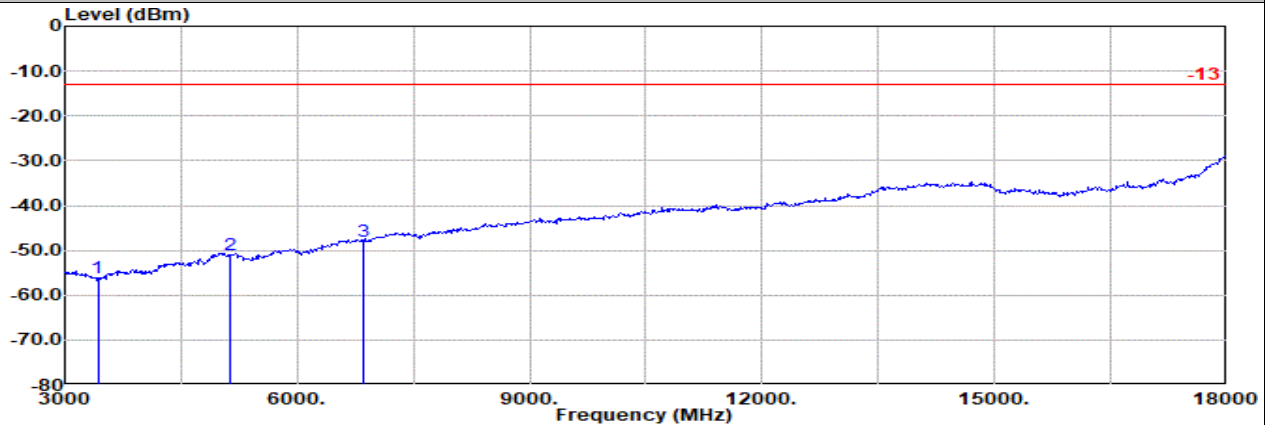


Ant. PIFA3_Ant0

Part 27L Mode 1

WCDMA B4 Ch1312

L

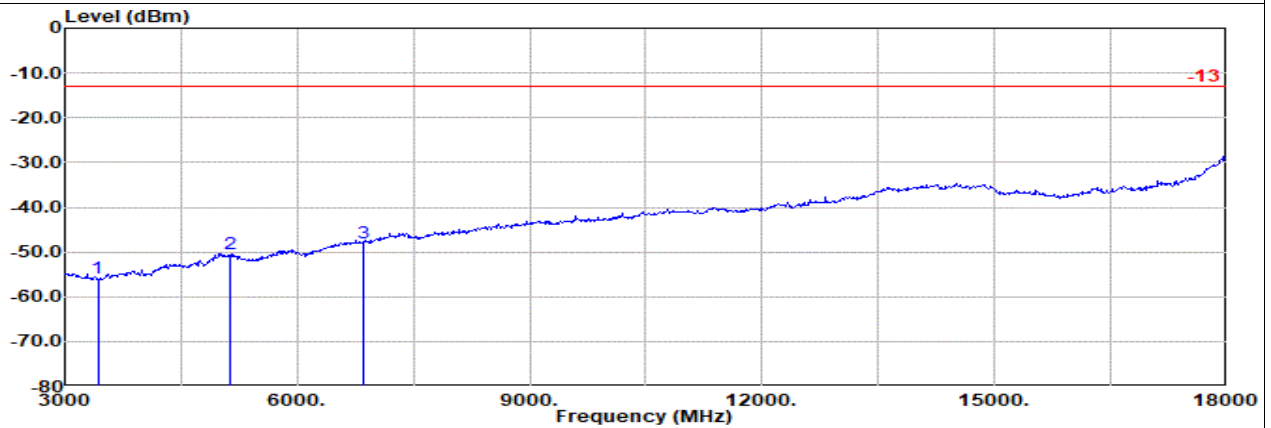


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Horizontal

: WCDMA Band4 CH1312

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	1			dBuV	dBm		
1	3425.00	-56.02	RMS	29.75	-26.04	0.95	-95.23	34.55	-13.00	-43.02	Horizontal
2	5137.00	-50.90	RMS	33.27	-23.84	0.77	-95.23	34.13	-13.00	-37.90	Horizontal
3	6850.00	-48.11	RMS	36.10	-22.50	0.23	-95.23	33.29	-13.00	-35.11	Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Vertical

: WCDMA Band4 CH1312

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	1			dBuV	dBm		
1	3425.00	-55.95	RMS	29.75	-26.04	0.95	-95.23	34.62	-13.00	-42.95	Vertical
2	5137.00	-50.55	RMS	33.27	-23.84	0.77	-95.23	34.48	-13.00	-37.55	Vertical
3	6850.00	-47.94	RMS	36.10	-22.50	0.23	-95.23	33.46	-13.00	-34.94	Vertical

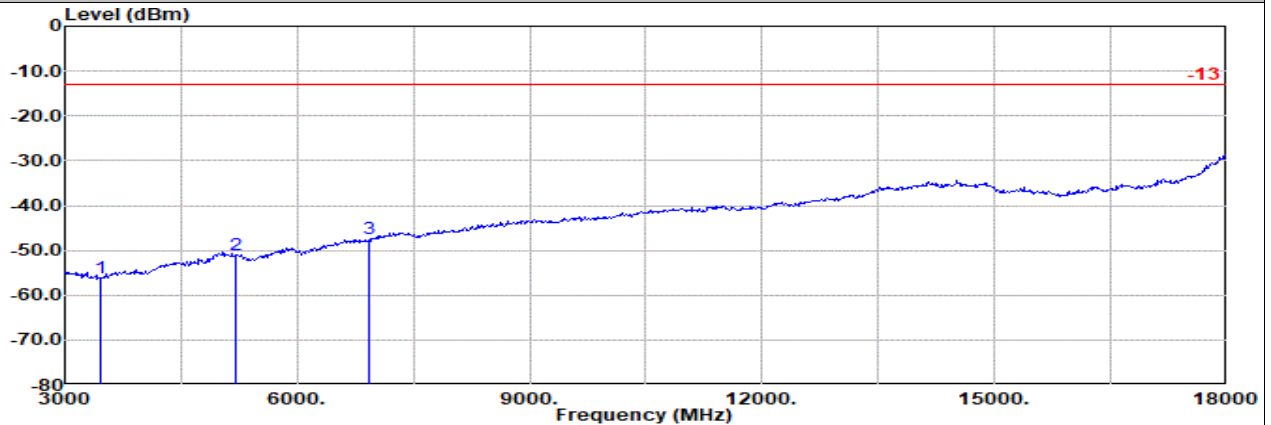


Ant. PIFA3_Ant0

Part 27L Mode 1

WCDMA B4 Ch1413

M

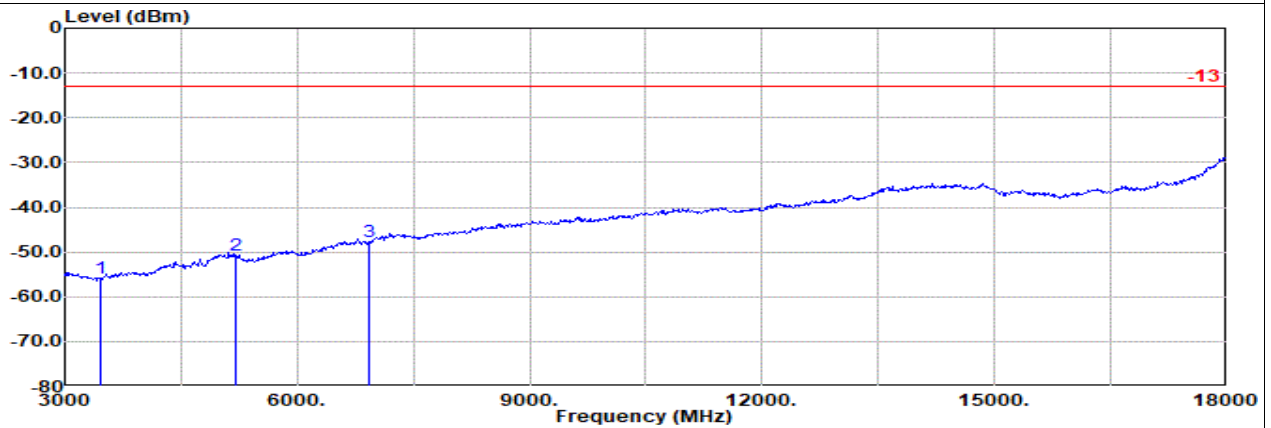


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Horizontal

: WCDMA Band4 CH1413

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB			dBuV	dBm		
1	3465.00	-56.00	RMS		29.67	-25.97	0.99 -95.23	34.54	-13.00	-43.00		Horizontal
2	5198.00	-50.97	RMS		33.40	-23.78	0.83 -95.23	33.81	-13.00	-37.97		Horizontal
3	6930.00	-47.28	RMS		36.06	-22.44	0.27 -95.23	34.06	-13.00	-34.28		Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Vertical

: WCDMA Band4 CH1413

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB			dBuV	dBm		
1	3465.00	-55.86	RMS		29.67	-25.97	0.99 -95.23	34.68	-13.00	-42.86		Vertical
2	5198.00	-50.76	RMS		33.40	-23.78	0.83 -95.23	34.02	-13.00	-37.76		Vertical
3	6930.00	-47.67	RMS		36.06	-22.44	0.27 -95.23	33.67	-13.00	-34.67		Vertical

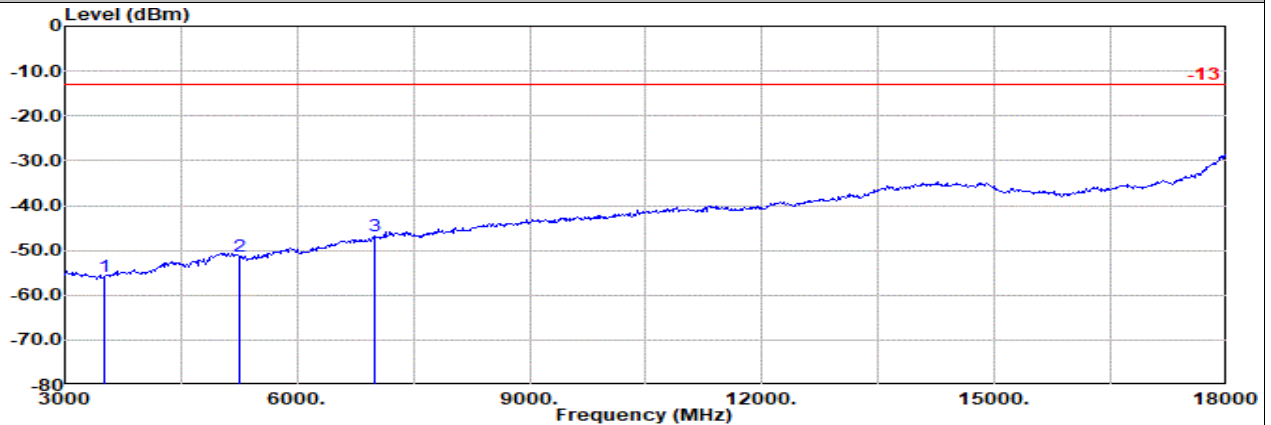


Ant. PIFA3_Ant0

Part 27L Mode 1

WCDMA B4 Ch1513

H

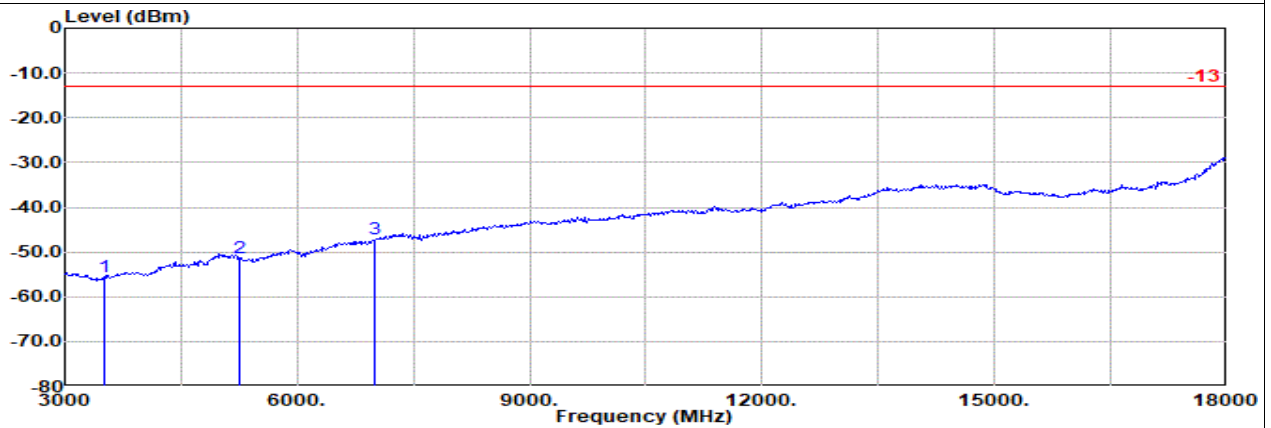


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Horizontal

: WCDMA Band4 CH1513

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3505.00	-55.86	RMS	29.61	-25.90	1.02	-95.23	34.64	-13.00	-42.86 Horizontal
2	5258.00	-51.34	RMS	33.27	-23.73	0.72	-95.23	33.63	-13.00	-38.34 Horizontal
3	7010.00	-46.87	RMS	36.24	-22.37	0.30	-95.23	34.19	-13.00	-33.87 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Vertical

: WCDMA Band4 CH1513

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3505.00	-55.55	RMS	29.61	-25.90	1.02	-95.23	34.95	-13.00	-42.55 Vertical
2	5258.00	-51.46	RMS	33.27	-23.73	0.72	-95.23	33.51	-13.00	-38.46 Vertical
3	7010.00	-47.22	RMS	36.24	-22.37	0.30	-95.23	33.84	-13.00	-34.22 Vertical

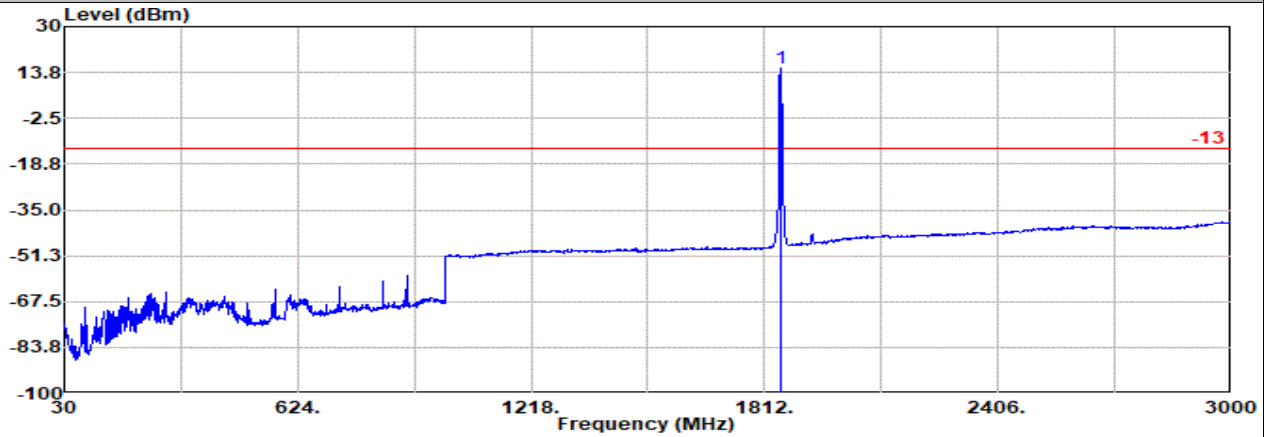


Ant. Monopole3_ANT0

Part 24E Mode 1

WCDMA B2 Ch9262

L



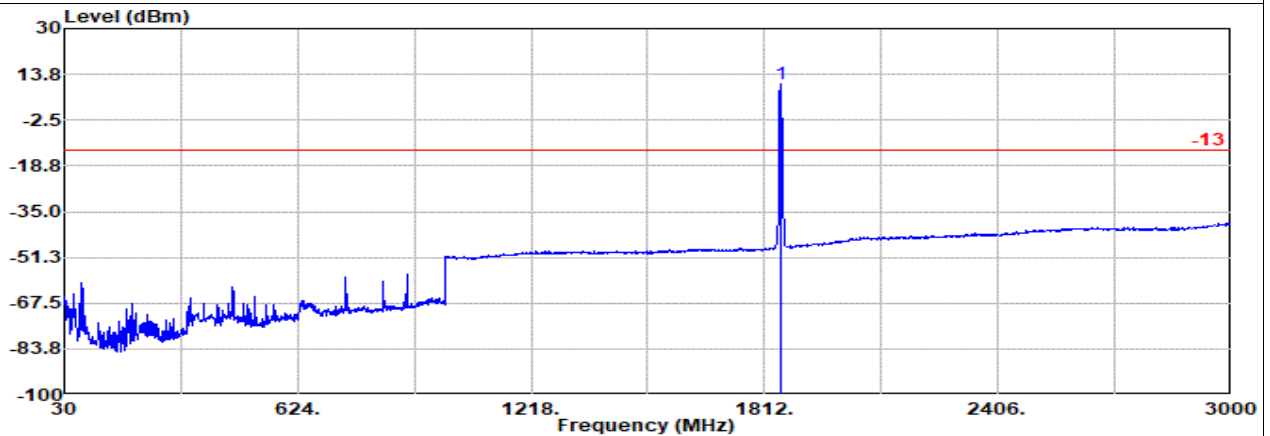
Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Horizontal

: WCDMA Band2 Ch9262

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB		dBuV	dBm		
1	1852.10	15.41	RMS	25.42	5.93	0.00	-95.23	79.29	-13.00	28.41	Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-250702 Vertical

: WCDMA Band2 Ch9262

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB		dBuV	dBm		
1	1852.10	10.53	RMS	25.42	5.93	0.00	-95.23	74.41	-13.00	23.53	Vertical