



FCC RADIO TEST REPORT

FCC ID : PKRISGRM4210
Equipment : WWAN LGA Radio Module
Brand Name : Inseego
Model Name : RM4210
Applicant : Inseego Corp.
9710 Scranton Road Suite 200, San
Diego, CA 92121
Manufacturer : Inseego Corp.
9710 Scranton Road Suite 200, San
Diego, CA 92121
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27(L)

The product was received on Feb. 24, 2025 and testing was performed from Mar. 03, 2025 to Apr. 15, 2025. We, Sporton International Inc. EMC & Wireless Communications 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 report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FG4N2547A	01	Initial issue of report	May 08, 2025

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 §22.917 (b) §24.238 (b) §27.53 (g)	Occupied Bandwidth (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Pass	-
3.5	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g)	Band Edge Measurement (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Pass	-
3.6	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g)	Conducted Emission (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Pass	-
3.7	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	Pass	-
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	-

Conformity Assessment Condition:

- 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.
- 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: Danny Lee

Report Producer: Michelle Chen



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs 3G-WCDMA, 4G-LTE, 5G-FR1 and GNSS.
Antenna Type WWAN: Fixed Internal Antenna

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to Disclaimer in report summary.
2. Maximum allow antenna Gain: refer MPE Report FA4N2547.

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)	19.0~21.0
Relative Humidity (%)	47.5~49.5

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. 03CH20-HY (TAF Code: 3786)
Test Engineer	John Chuang, David Dai and Sam Chou
Temperature (°C)	19.5~22.5
Relative Humidity (%)	65.7~70.6
Remark	The Field Strength of Spurious Radiation test item subcontracted to Sporton International Inc. Wensan Laboratory.

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
- ♦ 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 two degrees (degree 0 or degree 90), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and worst plane as below.

Radiated emissions were investigated as following frequency range:

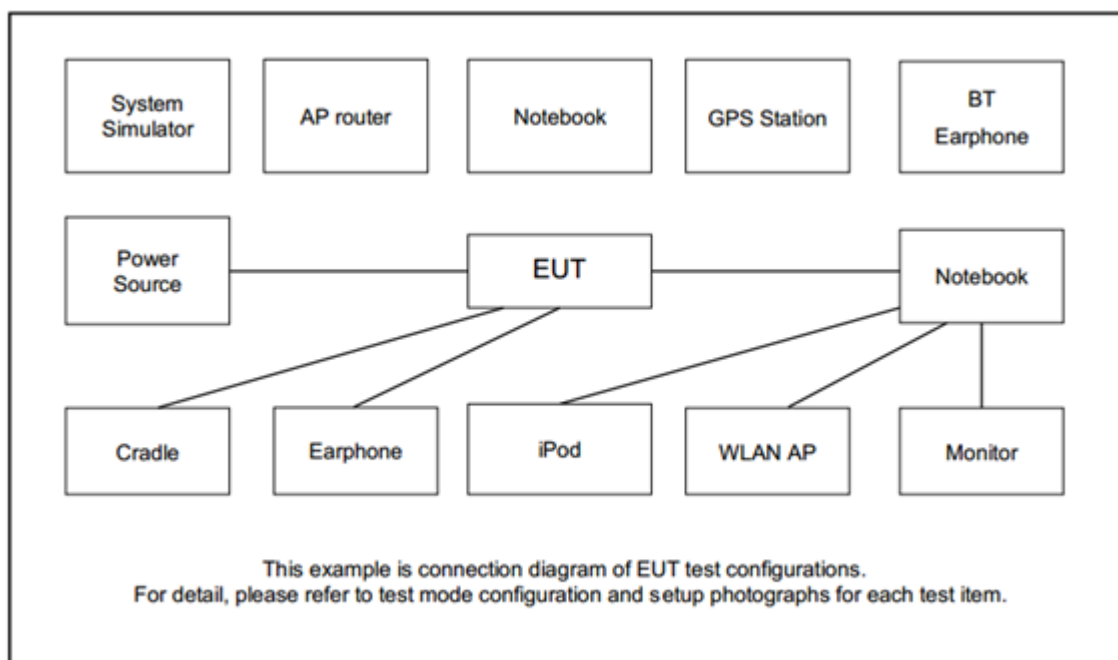
1. 30 MHz to 9000 MHz for WCDMA Band V
2. 30 MHz to 18000 MHz for WCDMA Band IV
3. 30 MHz to 19100 MHz for WCDMA Band II

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.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	Latitude5310	N/A	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Power Supply	Agilent	E3610A	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

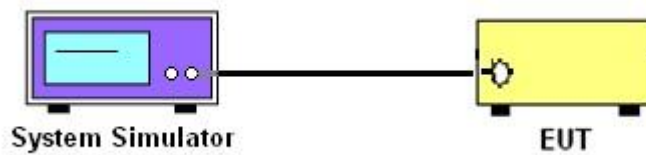
3 Conducted Test Result

3.1 Measuring Instruments

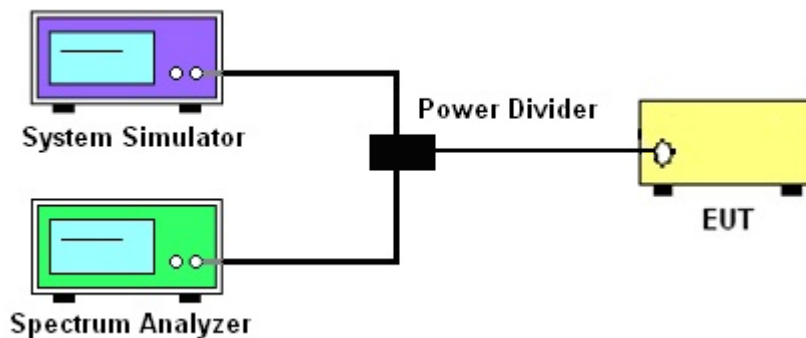
Please refer to the measuring equipment list in this test report.

3.1.1 Test Setup

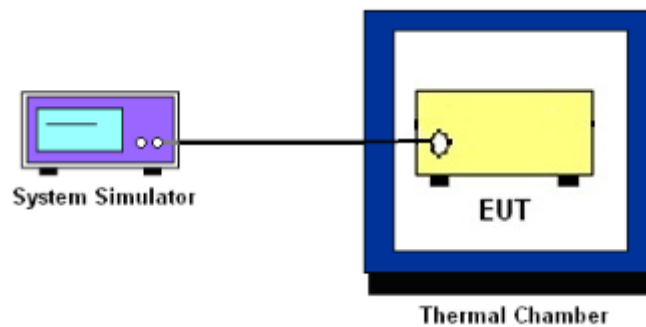
3.1.2 Conducted Output Power



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.

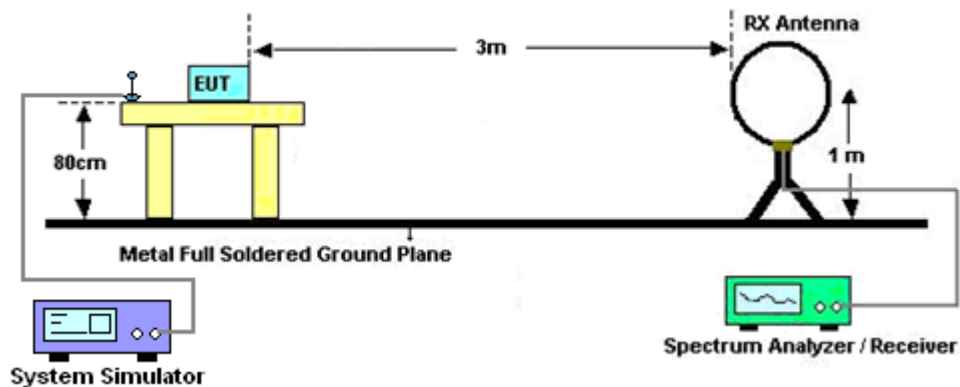
4 Radiated Test Items

4.1 Measuring Instruments

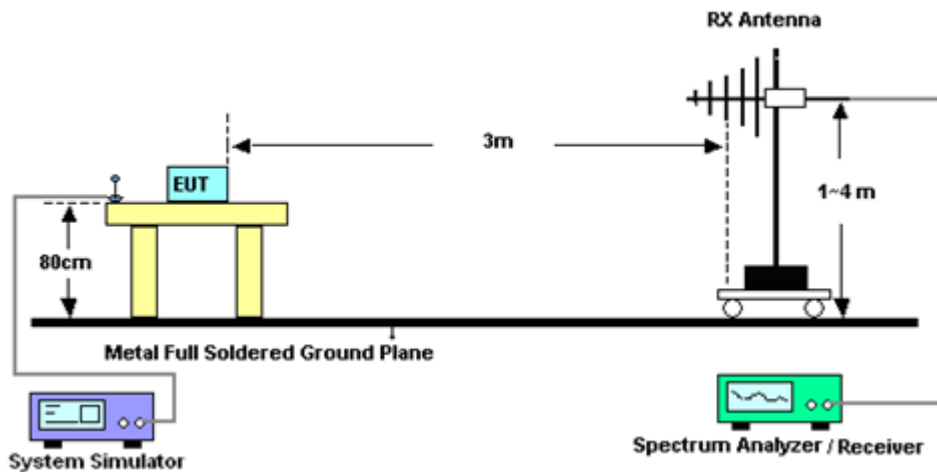
Please refer to the measuring equipment list in this test report.

4.2 Test Setup

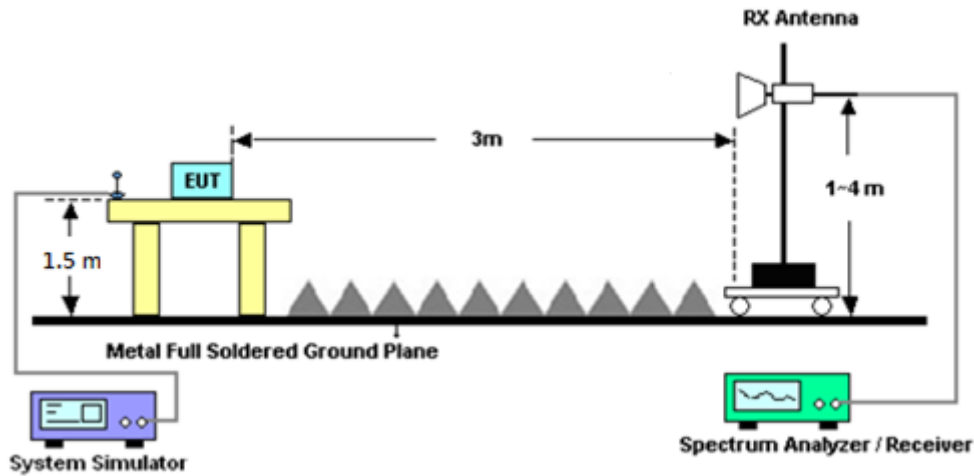
For radiated test below 30MHz



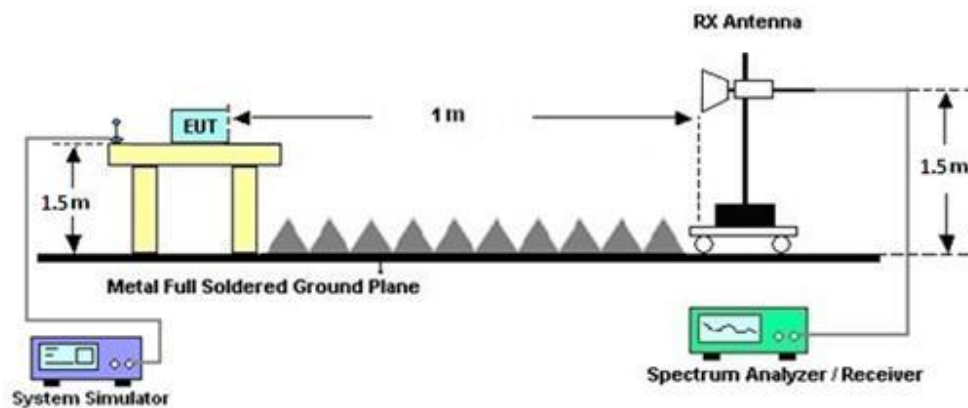
For radiated test from 30MHz to 1GHz



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.



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	N/A	Nov. 22, 2024	Mar. 13, 2025~ Apr. 15, 2025	Nov. 21, 2025	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Mar. 13, 2025~ Apr. 15, 2025	Aug. 28, 2025	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Aug. 23, 2024	Mar. 13, 2025~ Apr. 15, 2025	Aug. 22, 2025	Radiation (03CH20-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Mar. 13, 2025~ Apr. 15, 2025	N/A	Radiation (03CH20-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Mar. 13, 2025~ Apr. 15, 2025	N/A	Radiation (03CH20-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Mar. 13, 2025~ Apr. 15, 2025	N/A	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY64320114	N/A	Oct. 05, 2024	Mar. 13, 2025~ Apr. 15, 2025	Oct. 04, 2025	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY60240520	N/A	Dec. 09, 2024	Mar. 13, 2025~ Apr. 15, 2025	Dec. 08, 2025	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800N 1D01N-06	55606 & 08	30MHz~1GHz	Nov. 27, 2024	Mar. 13, 2025~ Apr. 15, 2025	Nov. 26, 2025	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	02360	1GHz-18GHz	Nov. 01, 2024	Mar. 13, 2025~ Apr. 15, 2025	Oct. 31, 2025	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1223	18GHz-40GHz	Jun. 24, 2024	Mar. 13, 2025~ Apr. 15, 2025	Jun. 23, 2025	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Dec. 31, 2024	Mar. 13, 2025~ Apr. 15, 2025	Dec. 30, 2025	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45SE	980792	N/A	Nov. 12, 2024	Mar. 13, 2025~ Apr. 15, 2025	Nov. 11, 2025	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,80 4015/2,8040 27/2	N/A	Jan. 16, 2025	Mar. 13, 2025~ Apr. 15, 2025	Jan. 15, 2026	Radiation (03CH20-HY)
Hygrometer	TECEPEL	DTM-303A	TP215159	N/A	Sep. 10, 2024	Mar. 13, 2025~ Apr. 15, 2025	Sep. 09, 2025	Radiation (03CH20-HY)
Software	Audix	N/A	RK-002156	N/A	N/A	Mar. 13, 2025~ Apr. 15, 2025	N/A	Radiation (03CH20-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101329	9kHz~30GHz	Sep. 25, 2024	Mar. 03, 2025~ Mar. 20, 2025	Sep. 24, 2025	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPE-2323	GEU871221	0V~64V ; 0A~6A	Apr. 09, 2024	Mar. 03, 2025~ Mar. 20, 2025	Apr. 08, 2025	Conducted (TH03-HY)
Base Station (Measure)	Rohde & Schwarz	CMU200	117995	GSM / GPRS / WCDMA / CDMA	Aug. 08, 2024	Mar. 03, 2025~ Mar. 20, 2025	Aug. 07, 2025	Conducted (TH03-HY)
Temperature & Humidity Cabinet Chamber	ESPEC	SH-641	92013720	-40℃~90℃	Sep. 06, 2024	Mar. 03, 2025~ Mar. 20, 2025	Sep. 05, 2025	Conducted (TH03-HY)
Hygrometer	TECEPEL	DTM-303A	TP201996	N/A	Nov. 01, 2024	Mar. 03, 2025~ Mar. 20, 2025	Oct. 31, 2025	Conducted (TH03-HY)

6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.70 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.40 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% ($U = 2Uc(y)$)	5.70 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power) & ERP / EIRP

WCDMA Band V Maximum Average Power [dBm] (GT - LC = 8.4 dB)					
Channel	4132	4182	4233	ERP (dBm)	ERP (W)
Frequency	826.4	836.4	846.6		
RMC 12.2K	24.53	23.77	24.63	30.88	1.2246
HSDPA Subtest-1	23.99	23.31	23.87		
HSDPA Subtest-2	23.78	23.25	23.99		
HSDPA Subtest-3	23.30	22.77	23.32		
HSDPA Subtest-4	23.28	22.77	23.50		
HSUPA Subtest-1	23.86	23.30	23.96		
HSUPA Subtest-2	22.00	21.32	21.98		
HSUPA Subtest-3	22.88	22.31	22.98		
HSUPA Subtest-4	21.98	21.36	21.86		
HSUPA Subtest-5	23.90	23.30	23.85		
Limit	ERP < 7W			Result	Pass

WCDMA Band II Maximum Average Power [dBm] (GT - LC = 7.5 dB)					
Channel	9262	9400	9538	EIRP (dBm)	EIRP (W)
Frequency	1852.4	1880	1907.6		
RMC 12.2K	24.90	24.97	24.85	32.47	1.7660
HSDPA Subtest-1	23.82	23.88	23.97		
HSDPA Subtest-2	23.80	23.87	23.86		
HSDPA Subtest-3	23.30	23.37	23.43		
HSDPA Subtest-4	23.32	23.40	23.42		
HSUPA Subtest-1	23.31	23.95	23.88		
HSUPA Subtest-2	21.31	21.65	21.83		
HSUPA Subtest-3	22.30	22.67	22.90		
HSUPA Subtest-4	21.32	21.63	21.90		
HSUPA Subtest-5	23.40	23.60	23.90		
Limit	EIRP < 2W			Result	Pass

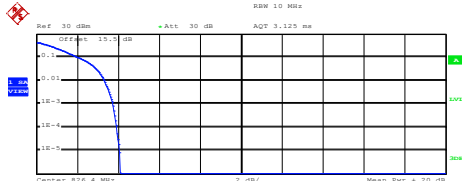
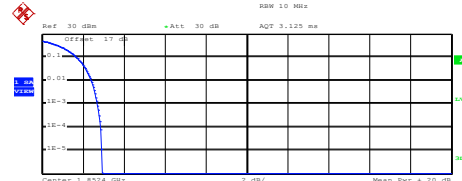
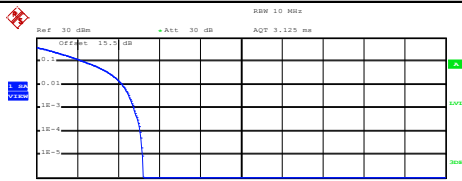
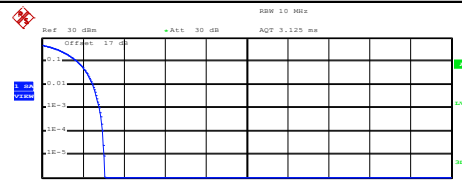
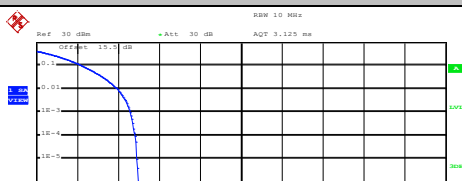
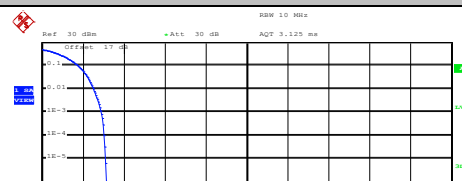
WCDMA Band IV Maximum Average Power [dBm] (GT - LC = 4.5 dB)					
Channel	1312	1413	1513	EIRP (dBm)	EIRP (W)
Frequency	1712.4	1732.6	1752.6		
RMC 12.2K	24.92	24.79	24.27	29.42	0.8750
HSDPA Subtest-1	23.98	23.79	23.54		
HSDPA Subtest-2	23.96	23.84	23.57		
HSDPA Subtest-3	23.45	23.33	23.08		
HSDPA Subtest-4	23.48	23.31	23.03		
HSUPA Subtest-1	23.86	23.99	23.64		
HSUPA Subtest-2	21.93	21.80	21.30		
HSUPA Subtest-3	22.95	22.73	22.27		
HSUPA Subtest-4	21.94	21.71	21.33		
HSUPA Subtest-5	24.00	23.80	23.30		
Limit	EIRP < 1W			Result	Pass



A2. WCDMA

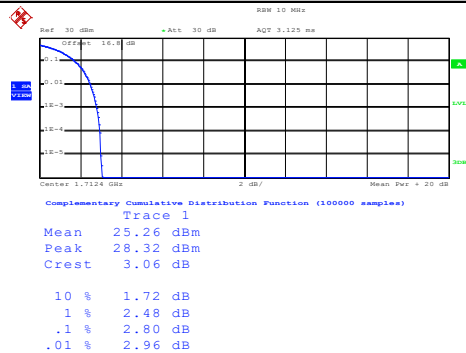
Peak-to-Average Ratio

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	3.76	2.72	2.80	PASS
Middle CH	4.76	2.80	2.76	
Highest CH	4.60	2.92	3.16	

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 24.22 dBm Peak 28.32 dBm Crest 4.10 dB 10 % 2.08 dB 1 % 3.32 dB .1 % 3.76 dB .01 % 3.92 dB Date: 13.MAR.2025 11:27:13	 Center 1.8524 GHz Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.91 dBm Peak 27.83 dBm Crest 2.92 dB 10 % 1.72 dB 1 % 2.40 dB .1 % 2.72 dB .01 % 2.88 dB Date: 13.MAR.2025 10:37:19
Middle Channel	Middle Channel
 Center 836.4 MHz Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 23.73 dBm Peak 28.96 dBm Crest 5.22 dB 10 % 2.40 dB 1 % 4.20 dB .1 % 4.76 dB .01 % 5.08 dB Date: 13.MAR.2025 11:27:38	 Center 1.88 GHz Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.98 dBm Peak 28.04 dBm Crest 3.05 dB 10 % 1.72 dB 1 % 2.48 dB .1 % 2.80 dB .01 % 2.96 dB Date: 13.MAR.2025 10:37:39
Highest Channel	Highest Channel
 Center 846.6 MHz Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.05 dBm Peak 29.03 dBm Crest 4.98 dB 10 % 2.24 dB 1 % 3.96 dB .1 % 4.60 dB .01 % 4.84 dB Date: 13.MAR.2025 11:27:58	 Center 1.9076 GHz Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.88 dBm Peak 28.04 dBm Crest 3.16 dB 10 % 1.76 dB 1 % 2.52 dB .1 % 2.92 dB .01 % 3.04 dB Date: 13.MAR.2025 10:37:59

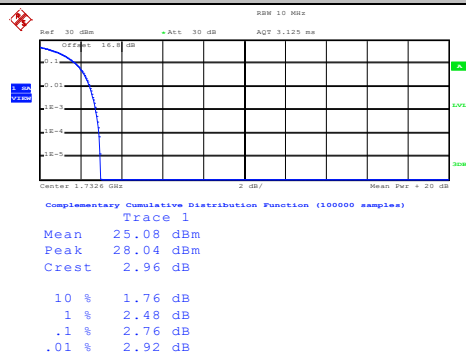
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



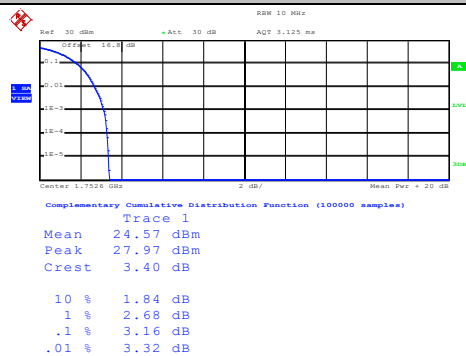
Date: 13.MAR.2025 10:57:50

Middle Channel



Date: 13.MAR.2025 10:58:08

Highest Channel



Date: 13.MAR.2025 10:58:28

26dB Bandwidth

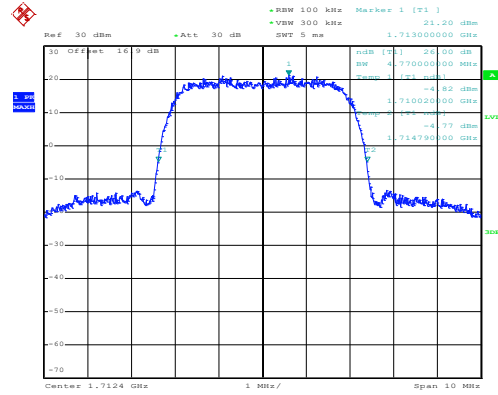
Mode	WCDMA Band V 26dB BW(MHz)	WCDMA Band II 26dB BW(MHz)	WCDMA Band IV 26dB BW(MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.82	4.73	4.77
Middle CH	4.73	4.76	4.77
Highest CH	4.86	4.76	4.72



WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	Lowest Channel
Date: 13.MAR.2025 11:12:46	Date: 13.MAR.2025 10:17:05
Middle Channel	Middle Channel
Date: 13.MAR.2025 11:13:30	Date: 13.MAR.2025 10:17:46
Highest Channel	Highest Channel
Date: 13.MAR.2025 11:14:09	Date: 13.MAR.2025 10:18:28

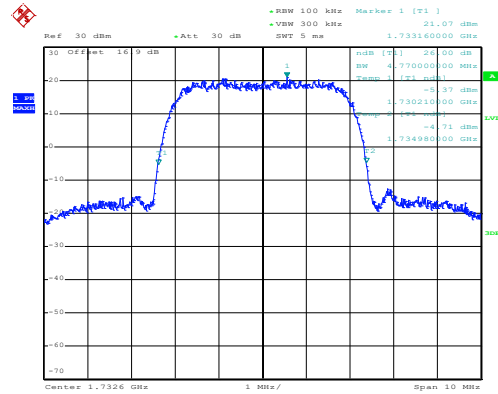
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



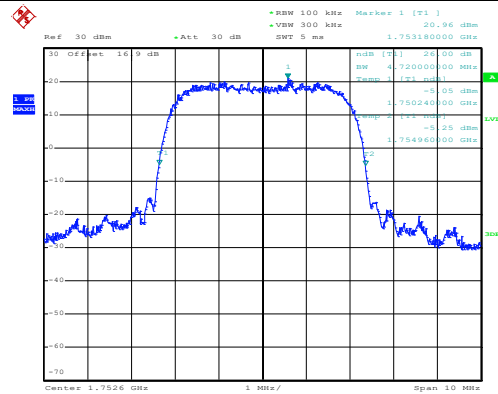
Date: 20.MAR.2025 14:40:24

Middle Channel



Date: 20.MAR.2025 14:41:03

Highest Channel

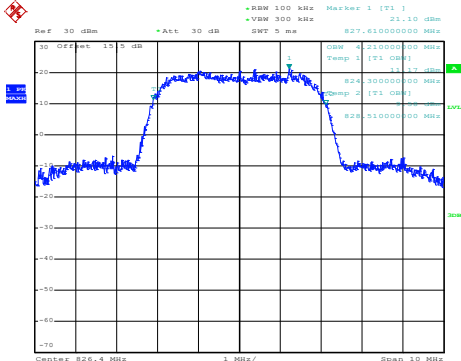
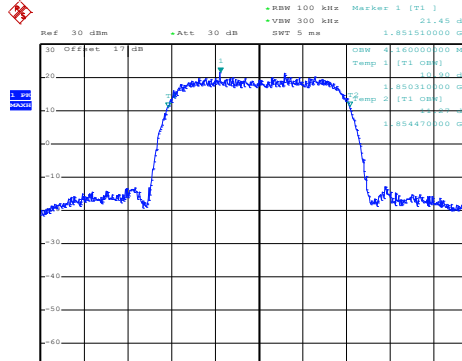
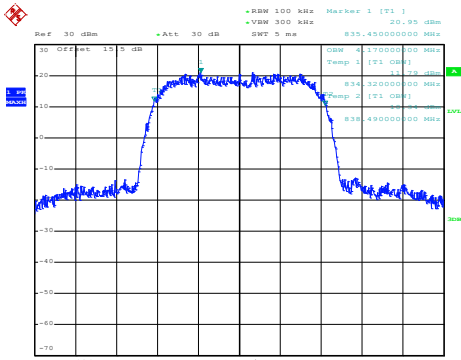
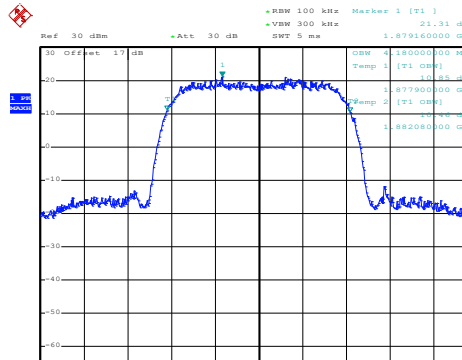
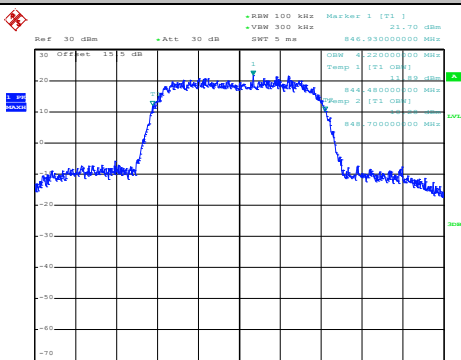
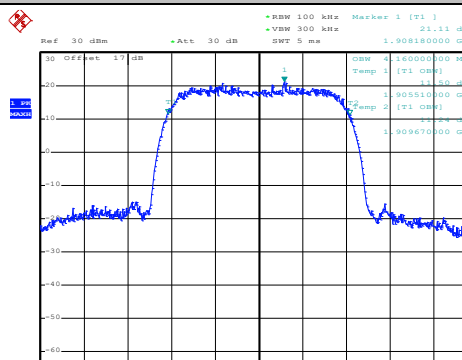


Date: 20.MAR.2025 14:41:41

**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	4.21	4.16	4.17
Middle CH	4.17	4.18	4.16
Highest CH	4.22	4.16	4.16

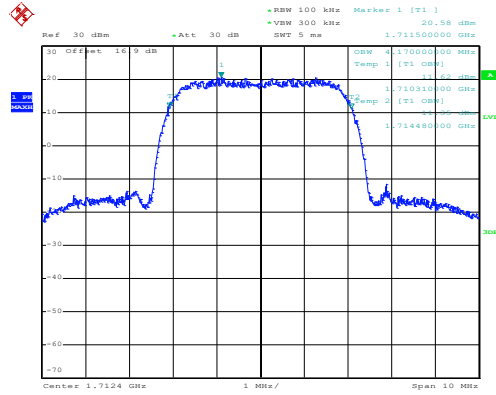


WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	Lowest Channel
 Ref: 30 dBm +Att: 30 dB +RBW 100 kHz Marker 1 [T1] +VMW 300 kHz 21.10 dBm SWT 5 ms 827.61000000 MHz OSW 4.110000000 MHz Temp 1 [T1] OSW 824.300000000 MHz Temp 2 [T1] OSW 828.510000000 MHz Center 826.4 MHz 1 MHz/ Span 10 MHz Date: 13.MAR.2025 11:15:12	 Ref: 30 dBm +Att: 30 dB +RBW 100 kHz Marker 1 [T1] +VMW 300 kHz 21.45 dBm SWT 5 ms 1.855100000 GHz OSW 4.160000000 MHz Temp 1 [T1] OSW 1.850310000 GHz Temp 2 [T1] OSW 1.854470000 GHz Center 1.8524 GHz 1 MHz/ Span 10 MHz Date: 13.MAR.2025 10:19:45
Middle Channel	Middle Channel
 Ref: 30 dBm +Att: 30 dB +RBW 100 kHz Marker 1 [T1] +VMW 300 kHz 20.95 dBm SWT 5 ms 835.450000000 MHz OSW 4.170000000 MHz Temp 1 [T1] OSW 834.320000000 MHz Temp 2 [T1] OSW 838.490000000 MHz Center 836.4 MHz 1 MHz/ Span 10 MHz Date: 13.MAR.2025 11:15:50	 Ref: 30 dBm +Att: 30 dB +RBW 100 kHz Marker 1 [T1] +VMW 300 kHz 21.31 dBm SWT 5 ms 1.879160000 GHz OSW 4.180000000 MHz Temp 1 [T1] OSW 1.877900000 GHz Temp 2 [T1] OSW 1.882080000 GHz Center 1.88 GHz 1 MHz/ Span 10 MHz Date: 13.MAR.2025 10:20:23
Highest Channel	Highest Channel
 Ref: 30 dBm +Att: 30 dB +RBW 100 kHz Marker 1 [T1] +VMW 300 kHz 21.70 dBm SWT 5 ms 845.930000000 MHz OSW 4.220000000 MHz Temp 1 [T1] OSW 844.480000000 MHz Temp 2 [T1] OSW 848.700000000 MHz Center 846.6 MHz 1 MHz/ Span 10 MHz Date: 13.MAR.2025 11:16:30	 Ref: 30 dBm +Att: 30 dB +RBW 100 kHz Marker 1 [T1] +VMW 300 kHz 21.11 dBm SWT 5 ms 1.908180000 GHz OSW 4.160000000 MHz Temp 1 [T1] OSW 1.905510000 GHz Temp 2 [T1] OSW 1.909670000 GHz Center 1.9076 GHz 1 MHz/ Span 10 MHz Date: 13.MAR.2025 10:21:08



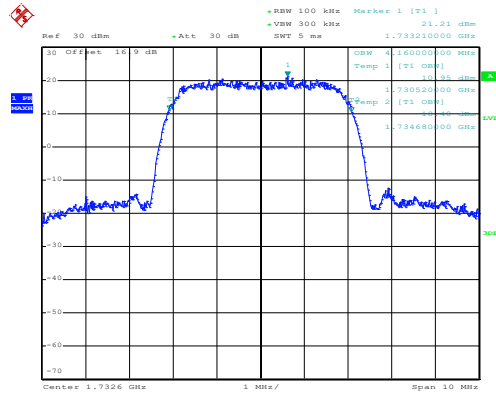
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



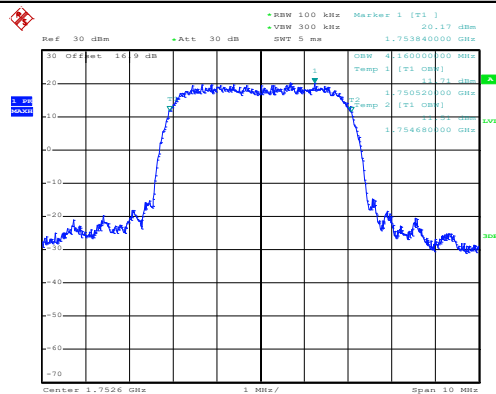
Date: 20.MAR.2025 14:42:37

Middle Channel



Date: 20.MAR.2025 14:43:14

Highest Channel



Date: 20.MAR.2025 14:43:51

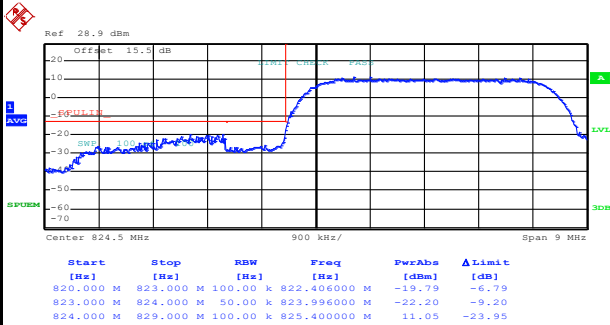


Conducted Band Edge

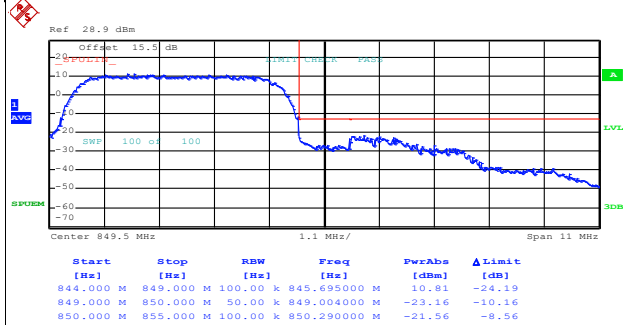
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 13.MAR.2025 11:19:59



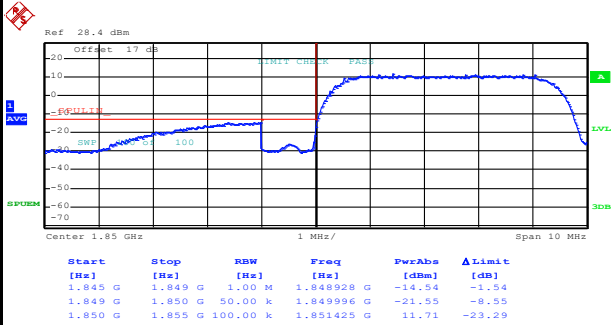
Date: 13.MAR.2025 11:22:51



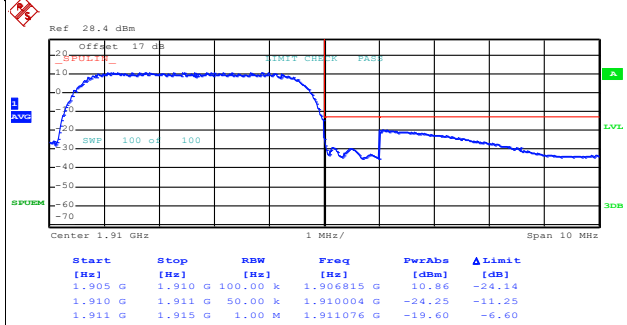
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 13.MAR.2025 10:24:35



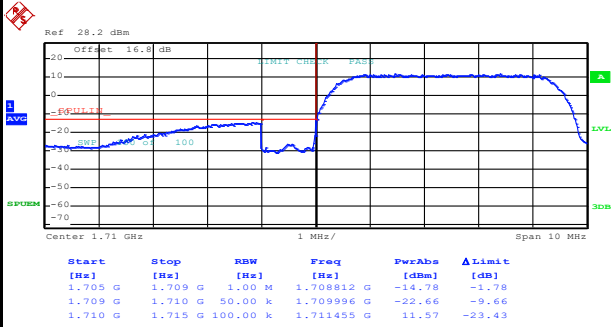
Date: 13.MAR.2025 10:27:30



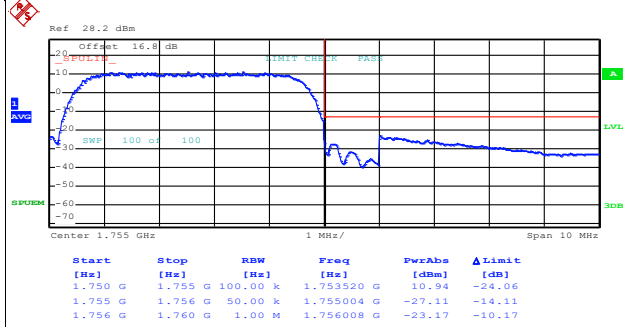
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



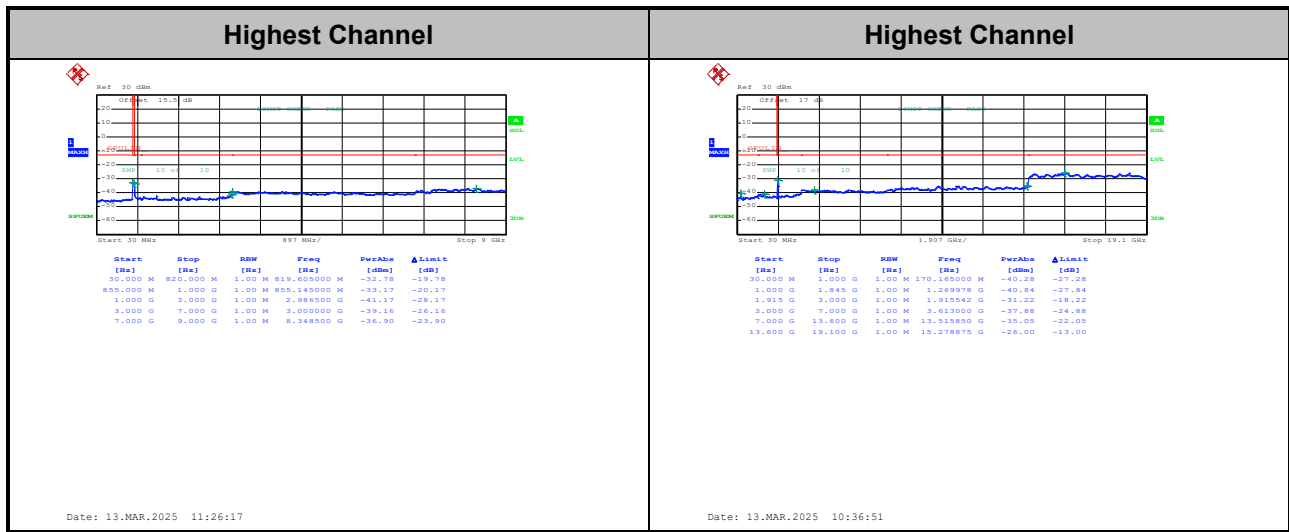
Date: 13.MAR.2025 10:47:57



Date: 13.MAR.2025 10:50:52

Conducted Spurious Emission

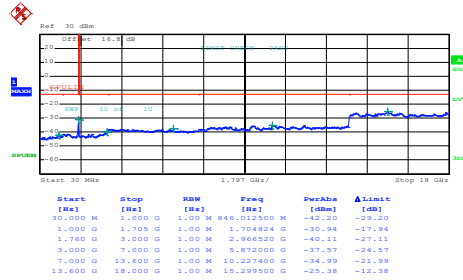
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	Lowest Channel





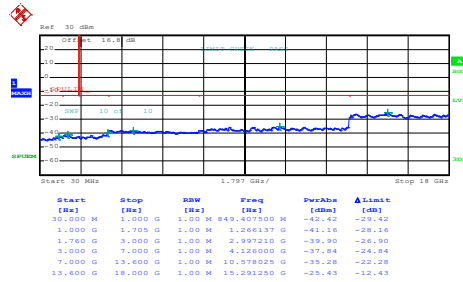
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



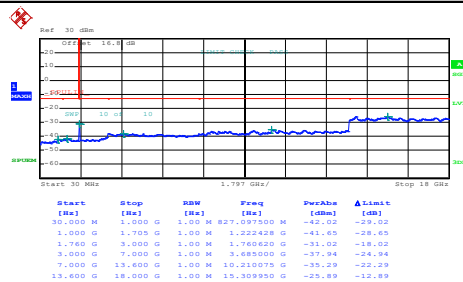
Date: 13.MAR.2025 10:52:20

Middle Channel



Date: 13.MAR.2025 10:53:16

Highest Channel



Date: 13.MAR.2025 10:55:08

**Frequency Stability**

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	2.5ppm
50	Normal Voltage	0.0048	PASS
40	Normal Voltage	0.0108	
30	Normal Voltage	0.0072	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0060	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0036	
-20	Normal Voltage	0.0096	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0072	
20	Minimum Voltage	0.0084	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Note 2.
50	Normal Voltage	0.0074	PASS
40	Normal Voltage	0.0064	
30	Normal Voltage	0.0053	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0117	
-30	Normal Voltage	0.0043	
20	Maximum Voltage	0.0059	
20	Normal Voltage	0.0011	
20	Minimum Voltage	0.0005	

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Note 2. Result
50	Normal Voltage	0.0190	PASS
40	Normal Voltage	0.0167	
30	Normal Voltage	0.0115	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0052	
0	Normal Voltage	0.0098	
-10	Normal Voltage	0.0115	
-20	Normal Voltage	0.0312	
-30	Normal Voltage	0.0040	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0012	
20	Minimum Voltage	0.0017	

Note:

1. Normal Voltage = 3.85V. ; Minimum Voltage = 3.3 V. ; Maximum Voltage =4.4 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

B1. Summary of each worse mode

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 22H	WCDMA B5	L	3305	-60.47	RMS	29.51	-26.12	0.43	-95.23	30.94	-13.00	-47.47	V	0
2	Part 24E	WCDMA B2	H	7630	-56.17	RMS	36.16	-23.06	0.35	-95.23	25.61	-13.00	-43.17	H	0
3	Part 27L	WCDMA B4	L	6850	-56.24	RMS	35.80	-23.31	0.65	-95.23	25.85	-13.00	-43.24	V	0

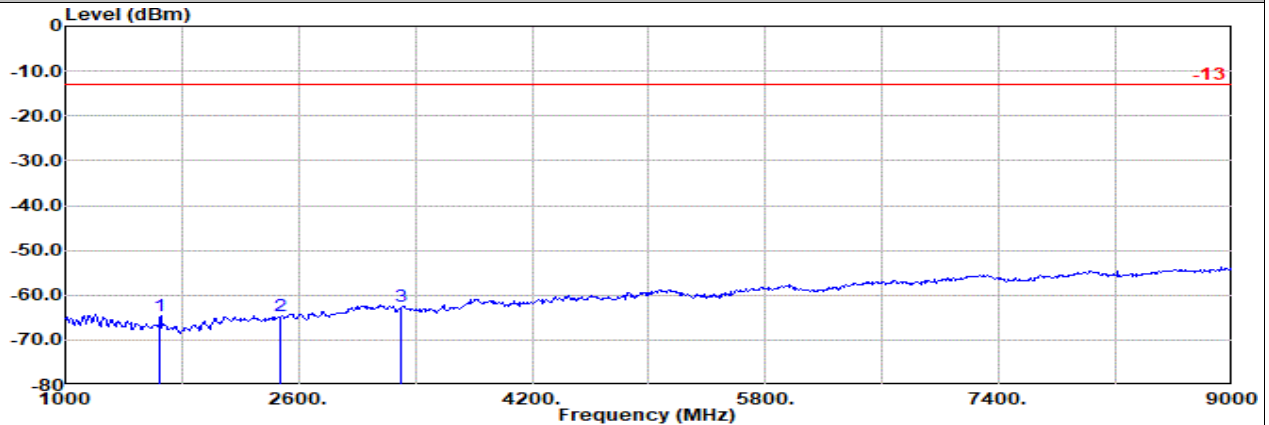


Tx0_Ant 0

Part 22H Mode 2

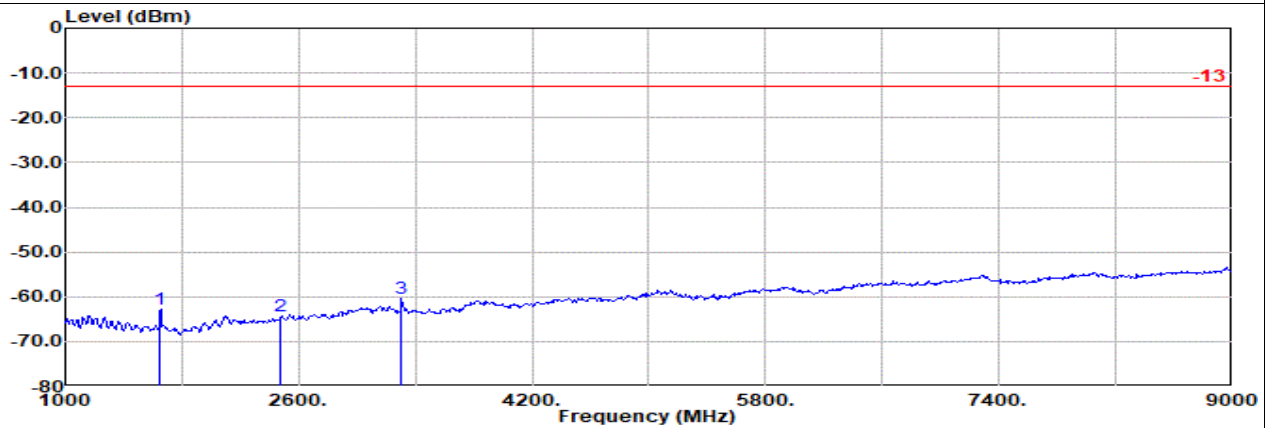
WCDMA B5 Ch4132

L



Site : 03CH20-HY
Condition: -13 3m HF_9120D_02360_241101 Horizontal
: WCDMA Band V Ch4132

	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	1652.00	-64.47	RMS	25.22	-28.76	0.48	-95.23	33.82	-13.00	-51.47	Horizontal
2	2479.00	-64.48	RMS	27.89	-27.51	0.41	-95.23	29.96	-13.00	-51.48	Horizontal
3	3305.00	-62.60	RMS	29.51	-26.12	0.43	-95.23	28.81	-13.00	-49.60	Horizontal



Site : 03CH20-HY
Condition: -13 3m HF_9120D_02360_241101 Vertical
: WCDMA Band V 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	-62.80	RMS	25.22	-28.76	0.48	-95.23	35.49	-13.00	-49.80	Vertical
2	2479.00	-64.29	RMS	27.89	-27.51	0.41	-95.23	30.15	-13.00	-51.29	Vertical
3	3305.00	-60.47	RMS	29.51	-26.12	0.43	-95.23	30.94	-13.00	-47.47	Vertical

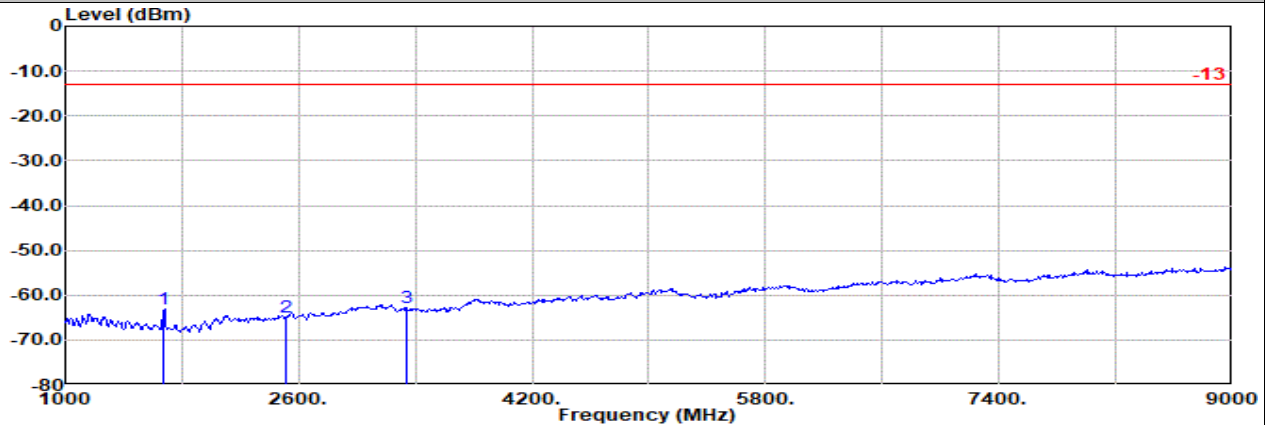


Tx0_Ant 0

Part 22H Mode 2

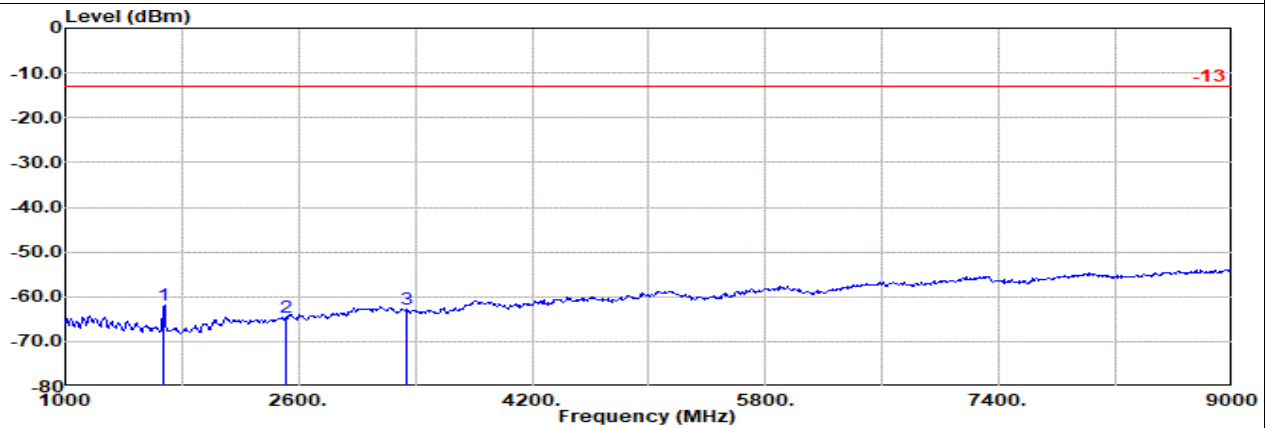
WCDMA B5 Ch4182

M



Site : 03CH20-HY
Condition: -13 3m HF_9120D_02360_241101 Horizontal
: WCDMA Band V Ch4182

	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	1672.00	-63.12	RMS	25.40	-28.74	0.46	-95.23	34.99	-13.00	-50.12	Horizontal
2	2509.00	-64.86	RMS	28.09	-27.45	0.40	-95.23	29.33	-13.00	-51.86	Horizontal
3	3345.00	-62.83	RMS	29.59	-26.09	0.42	-95.23	28.48	-13.00	-49.83	Horizontal



Site : 03CH20-HY
Condition: -13 3m HF_9120D_02360_241101 Vertical
: WCDMA Band V Ch4182

	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	1672.00	-61.75	RMS	25.40	-28.74	0.46	-95.23	36.36	-13.00	-48.75	Vertical
2	2509.00	-64.59	RMS	28.09	-27.45	0.40	-95.23	29.60	-13.00	-51.59	Vertical
3	3345.00	-62.87	RMS	29.59	-26.09	0.42	-95.23	28.44	-13.00	-49.87	Vertical

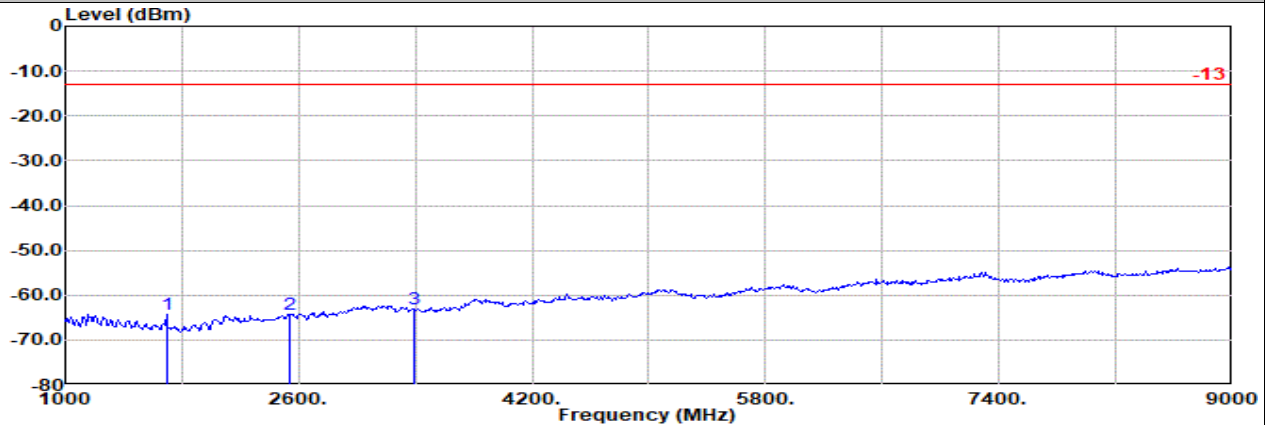


Tx0_Ant 0

Part 22H Mode 2

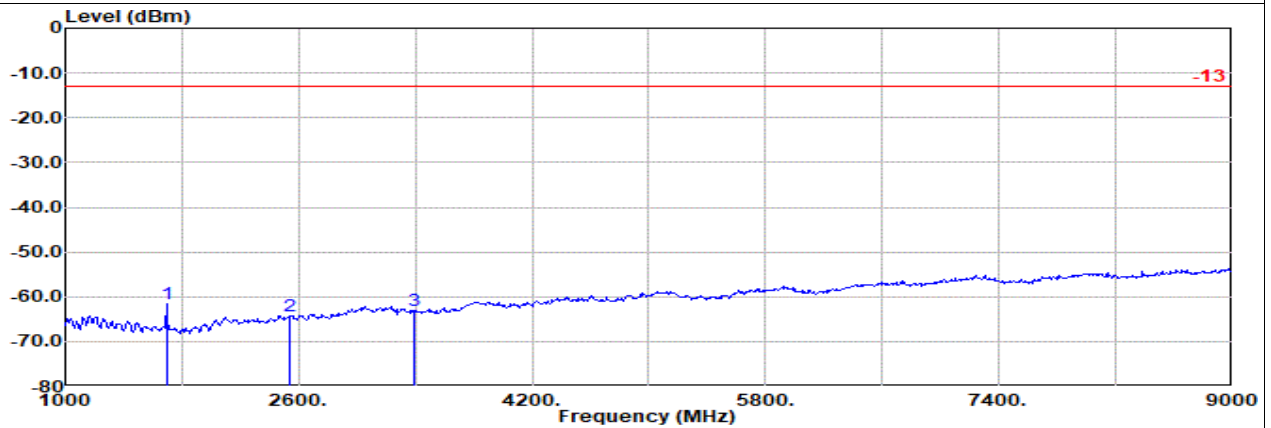
WCDMA B5 Ch4233

H



Site : 03CH20-HY
Condition: -13 3m HF_9120D_02360_241101 Horizontal
: WCDMA Band V Ch4233

	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	1693.00	-64.16	RMS	25.30	-28.71	0.44	-95.23	34.04	-13.00	-51.16
2	2539.00	-64.27	RMS	28.19	-27.38	0.40	-95.23	29.75	-13.00	-51.27
3	3386.00	-63.00	RMS	29.67	-26.05	0.41	-95.23	28.20	-13.00	-50.00



Site : 03CH20-HY
Condition: -13 3m HF_9120D_02360_241101 Vertical
: WCDMA Band V Ch4233

	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	1693.00	-61.59	RMS	25.30	-28.71	0.44	-95.23	36.61	-13.00	-48.59
2	2539.00	-64.18	RMS	28.19	-27.38	0.40	-95.23	29.84	-13.00	-51.18
3	3386.00	-62.99	RMS	29.67	-26.05	0.41	-95.23	28.21	-13.00	-49.99

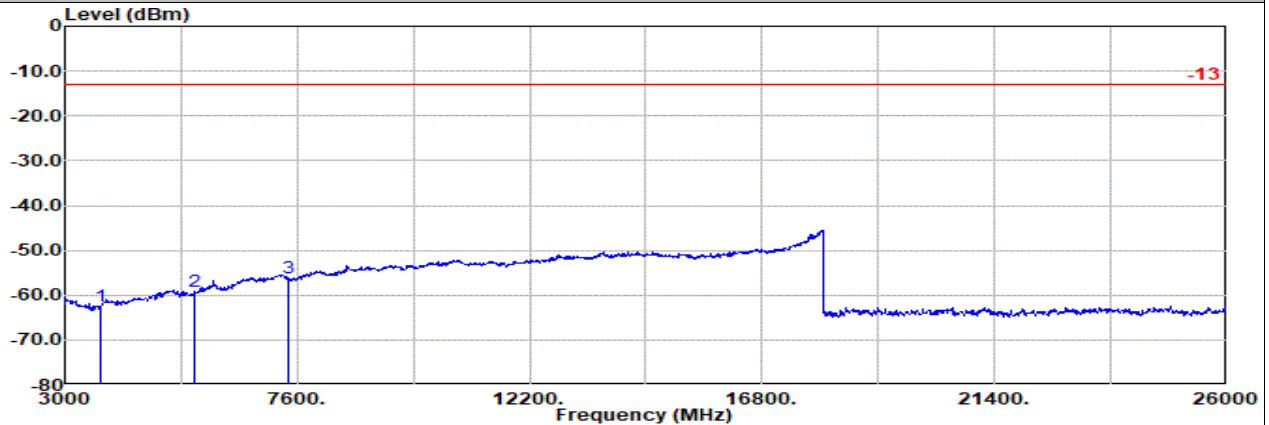


Tx0_Ant 0

Part 24E Mode 2

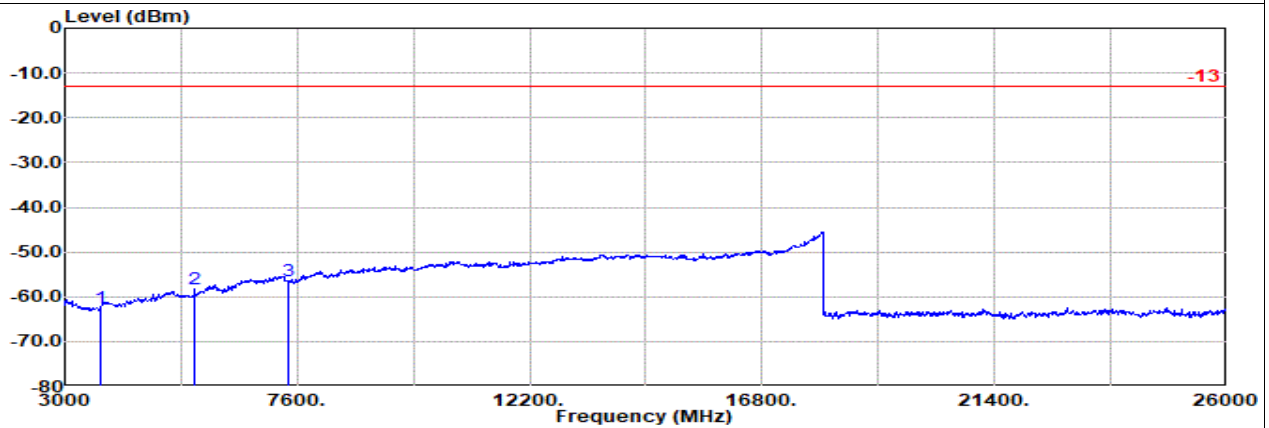
WCDMA B2 Ch9262

L



Site : 03CH20-HY
Condition: -13 1m BBHA9170_1223_240624 Horizontal
Mode : WCDMA Band II Ch9262

	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	-62.41	RMS	29.74	-25.62	0.75	-95.23	27.95	-13.00	-49.41 Horizontal
2	5557.00	-59.22	RMS	32.91	-24.62	0.49	-95.23	27.23	-13.00	-46.22 Horizontal
3	7409.00	-56.29	RMS	36.28	-23.07	0.33	-95.23	25.40	-13.00	-43.29 Horizontal



Site : 03CH20-HY
Condition: -13 1m BBHA9170_1223_240624 Vertical
Mode : WCDMA Band II Ch9262

	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	-62.46	RMS	29.74	-25.62	0.75	-95.23	27.90	-13.00	-49.46 Vertical
2	5557.00	-58.20	RMS	32.91	-24.62	0.49	-95.23	28.25	-13.00	-45.20 Vertical
3	7409.00	-56.44	RMS	36.28	-23.07	0.33	-95.23	25.25	-13.00	-43.44 Vertical

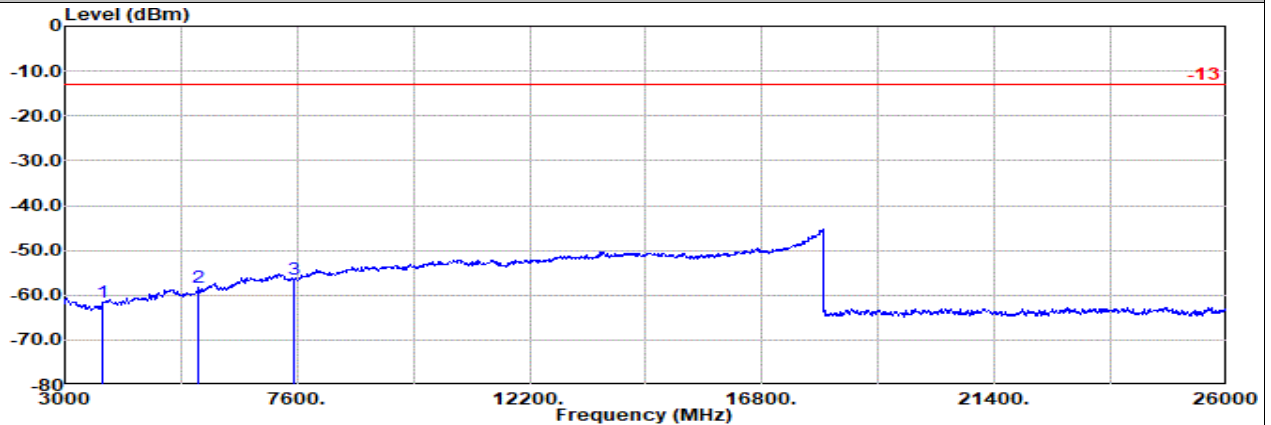


Tx0_Ant 0

Part 24E Mode 2

WCDMA B2 Ch9400

M

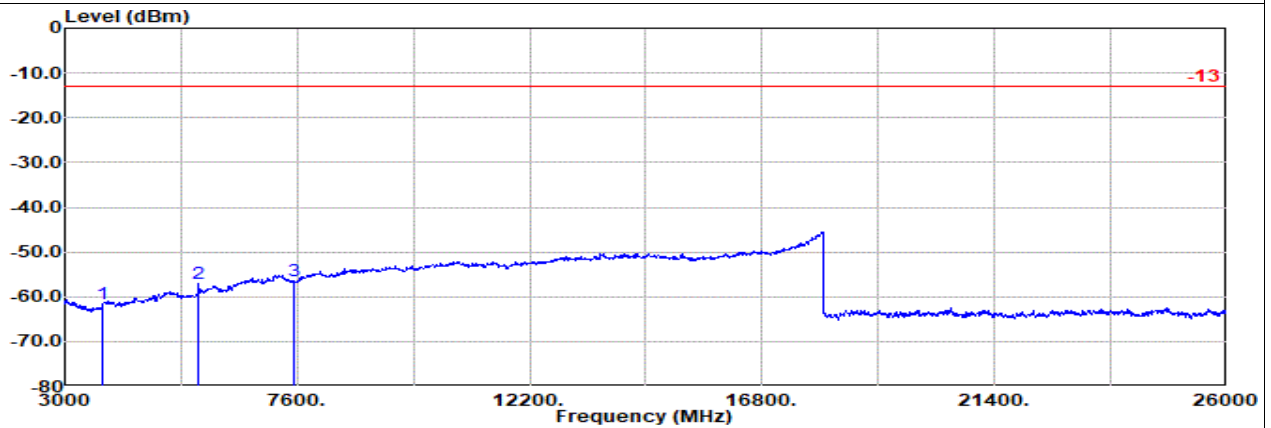


Site : 03CH20-HY

Condition: -13 1m BBHA9170_1223_240624 Horizontal

Mode : WCDMA Band II 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	-61.54	RMS	30.32	-25.60	0.70	-95.23	28.27	-13.00	-48.54 Horizontal
2	5640.00	-58.39	RMS	33.16	-24.52	0.50	-95.23	27.70	-13.00	-45.39 Horizontal
3	7520.00	-56.45	RMS	36.36	-23.06	0.33	-95.23	25.15	-13.00	-43.45 Horizontal



Site : 03CH20-HY

Condition: -13 1m BBHA9170_1223_240624 Vertical

Mode : WCDMA Band II 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	-61.51	RMS	30.32	-25.60	0.70	-95.23	28.30	-13.00	-48.51 Vertical
2	5640.00	-57.06	RMS	33.16	-24.52	0.50	-95.23	29.03	-13.00	-44.06 Vertical
3	7520.00	-56.33	RMS	36.36	-23.06	0.33	-95.23	25.27	-13.00	-43.33 Vertical

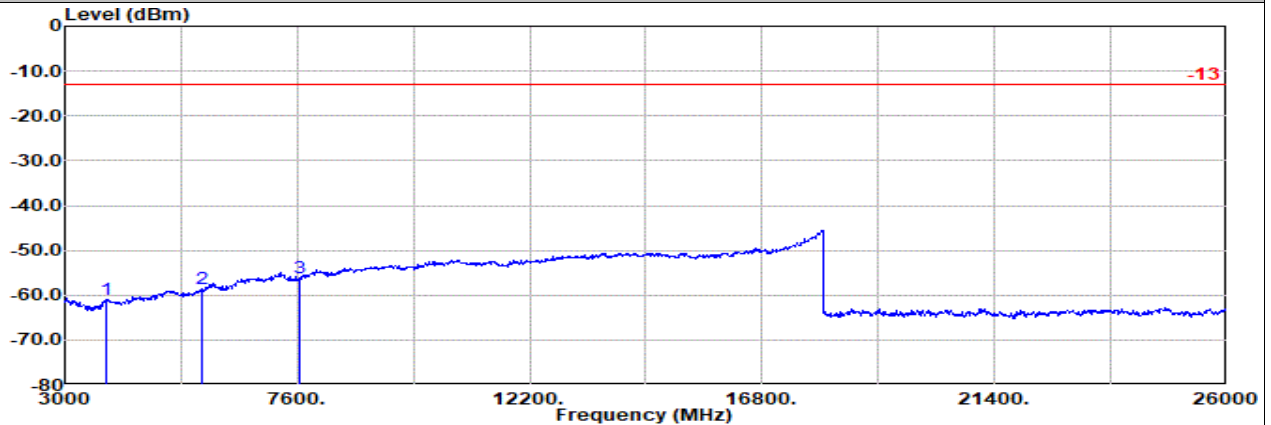


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Part 24E Mode 2

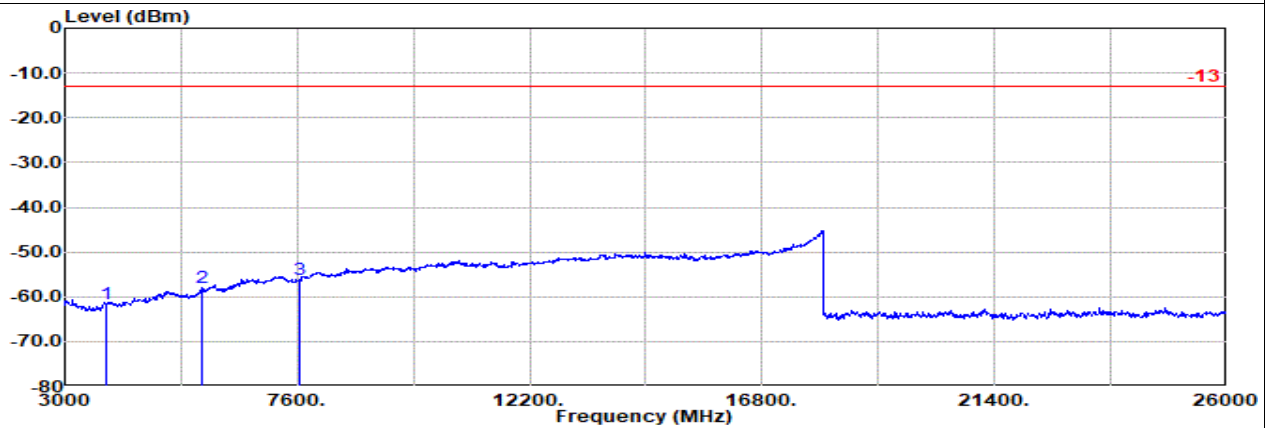
WCDMA B2 Ch9538

H



Site : 03CH20-HY
Condition: -13 1m BBHA9170_1223_240624 Horizontal
Mode : WCDMA Band II Ch9538

	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	3815.00	-61.10	RMS	30.80	-25.60	0.66	-95.23	28.27	-13.00	-48.10 Horizontal
2	5722.00	-58.68	RMS	33.64	-24.41	0.51	-95.23	26.81	-13.00	-45.68 Horizontal
3	7630.00	-56.17	RMS	36.16	-23.06	0.35	-95.23	25.61	-13.00	-43.17 Horizontal



Site : 03CH20-HY
Condition: -13 1m BBHA9170_1223_240624 Vertical
Mode : WCDMA Band II Ch9538

	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	3815.00	-61.49	RMS	30.80	-25.60	0.66	-95.23	27.88	-13.00	-48.49 Vertical
2	5722.00	-57.92	RMS	33.64	-24.41	0.51	-95.23	27.57	-13.00	-44.92 Vertical
3	7630.00	-56.25	RMS	36.16	-23.06	0.35	-95.23	25.53	-13.00	-43.25 Vertical

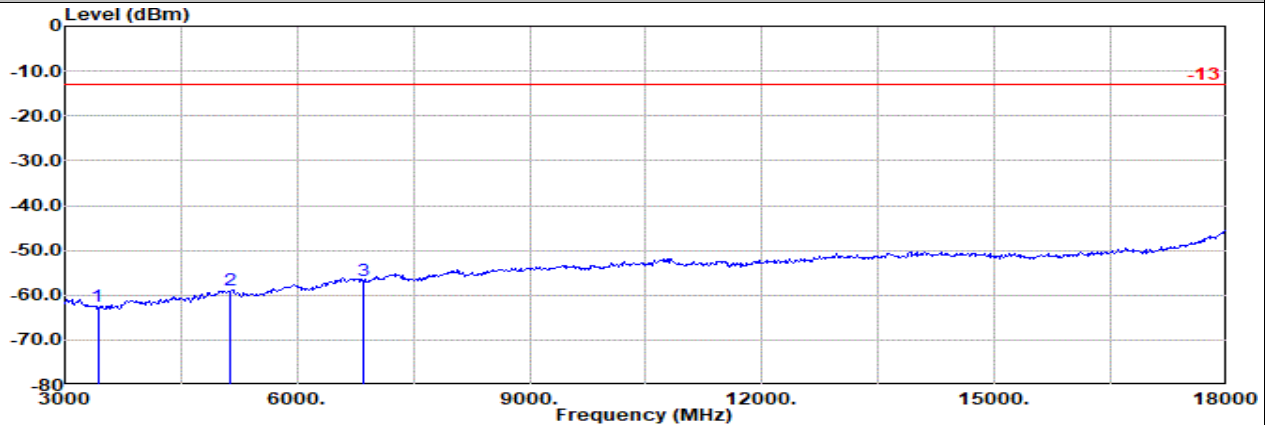


Tx0_Ant 0

Part 27L Mode 2

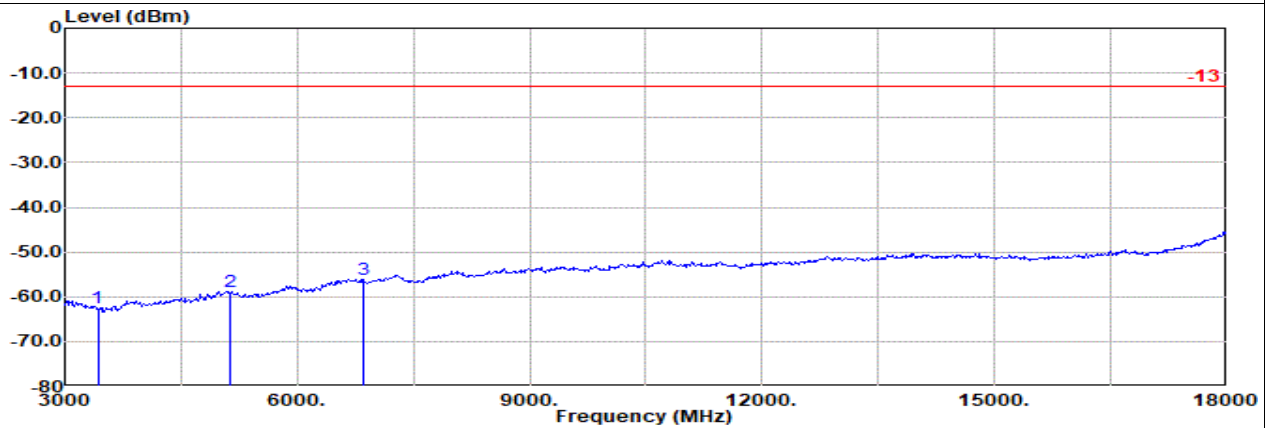
WCDMA B4 Ch1312

L



Site : 03CH20-HY
Condition: -13 3m HF_9120D_02360_241101 Horizontal
: WCADMA Band IV Ch1312

	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	3425.00	-62.60	RMS	29.60	-26.00	1.11	-95.23	27.92	-13.00	-49.60 Horizontal
2	5137.00	-59.01	RMS	33.27	-24.95	0.46	-95.23	27.44	-13.00	-46.01 Horizontal
3	6850.00	-56.66	RMS	35.80	-23.31	0.65	-95.23	25.43	-13.00	-43.66 Horizontal



Site : 03CH20-HY
Condition: -13 3m HF_9120D_02360_241101 Vertical
: WCADMA Band IV Ch1312

	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	3425.00	-62.50	RMS	29.60	-26.00	1.11	-95.23	28.02	-13.00	-49.50 Vertical
2	5137.00	-58.87	RMS	33.27	-24.95	0.46	-95.23	27.58	-13.00	-45.87 Vertical
3	6850.00	-56.24	RMS	35.80	-23.31	0.65	-95.23	25.85	-13.00	-43.24 Vertical

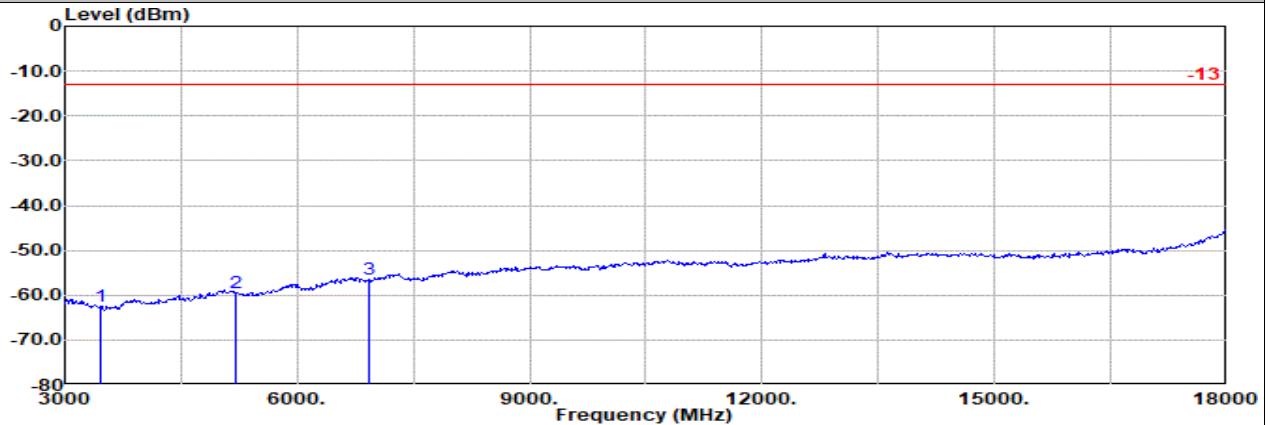


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Part 27L Mode 2

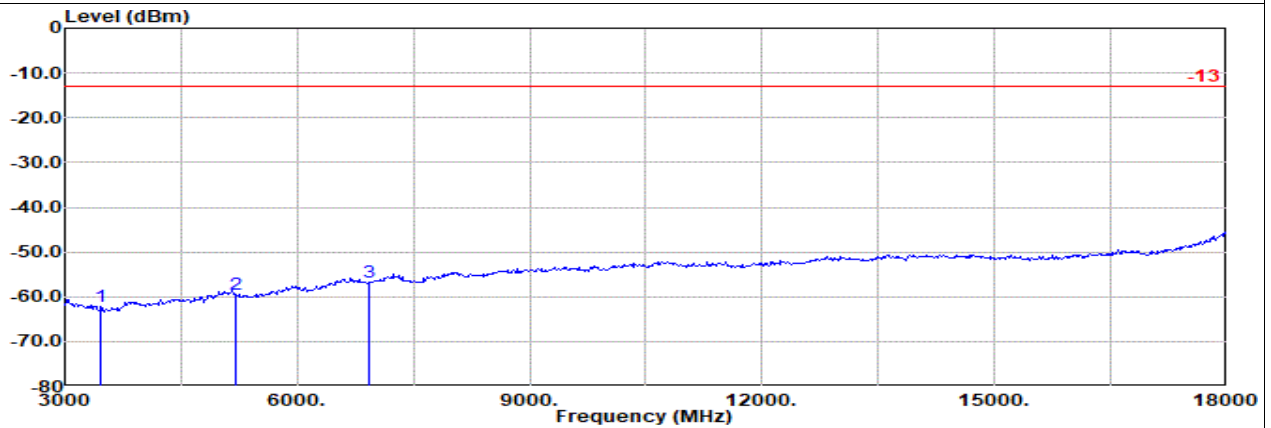
WCDMA B4 Ch1413

M



Site : 03CH20-HY
Condition: -13 3m HF_9120D_02360_241101 Horizontal
: WCDMA Band IV Ch1413

	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	3465.00	-62.46	RMS	29.47	-25.94	1.05	-95.23	28.19	-13.00	-49.46 Horizontal
2	5198.00	-59.50	RMS	32.82	-24.90	0.48	-95.23	27.33	-13.00	-46.50 Horizontal
3	6930.00	-56.38	RMS	35.80	-23.26	0.59	-95.23	25.72	-13.00	-43.38 Horizontal



Site : 03CH20-HY
Condition: -13 3m HF_9120D_02360_241101 Vertical
: WCDMA Band IV Ch1413

	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	3465.00	-62.30	RMS	29.47	-25.94	1.05	-95.23	28.35	-13.00	-49.30 Vertical
2	5198.00	-59.50	RMS	32.82	-24.90	0.48	-95.23	27.33	-13.00	-46.50 Vertical
3	6930.00	-56.61	RMS	35.80	-23.26	0.59	-95.23	25.49	-13.00	-43.61 Vertical

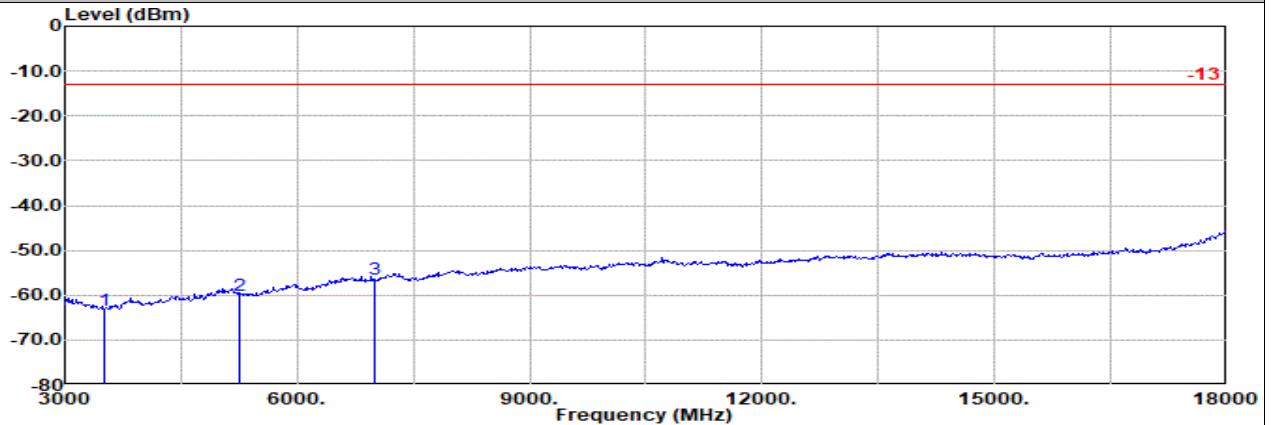


Tx0_Ant 0

Part 27L Mode 2

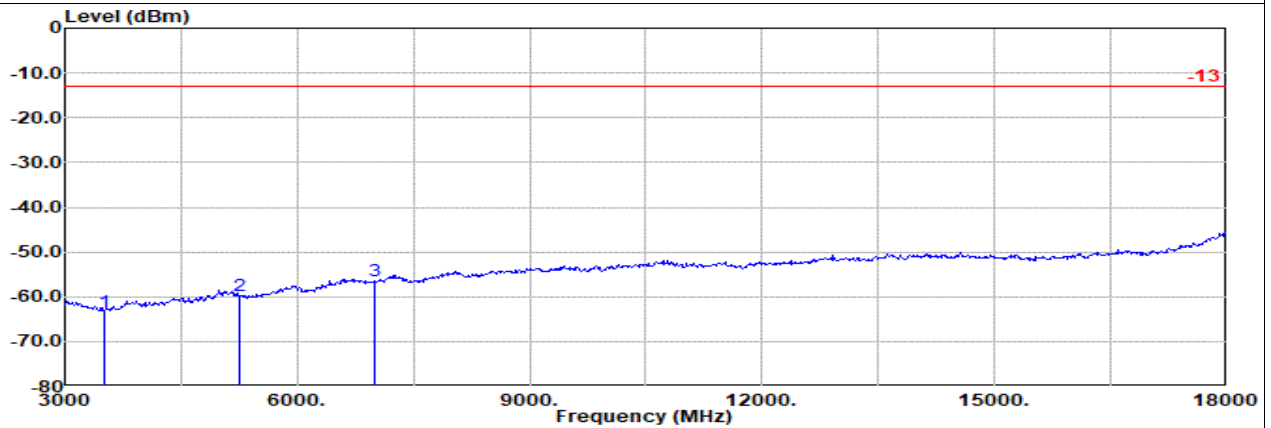
WCDMA B4 Ch1513

H



Site : 03CH20-HY
Condition: -13 3m HF_9120D_02360_241101 Horizontal
: WCDMA Band IV 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	-63.31	RMS	29.42	-25.88	0.99	-95.23	27.39	-13.00	-50.31 Horizontal
2	5258.00	-60.16	RMS	32.88	-24.85	0.47	-95.23	26.57	-13.00	-47.16 Horizontal
3	7010.00	-56.37	RMS	36.04	-23.22	0.53	-95.23	25.51	-13.00	-43.37 Horizontal



Site : 03CH20-HY
Condition: -13 3m HF_9120D_02360_241101 Vertical
: WCDMA Band IV 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	-63.26	RMS	29.42	-25.88	0.99	-95.23	27.44	-13.00	-50.26 Vertical
2	5258.00	-59.76	RMS	32.88	-24.85	0.47	-95.23	26.97	-13.00	-46.76 Vertical
3	7010.00	-56.32	RMS	36.04	-23.22	0.53	-95.23	25.56	-13.00	-43.32 Vertical

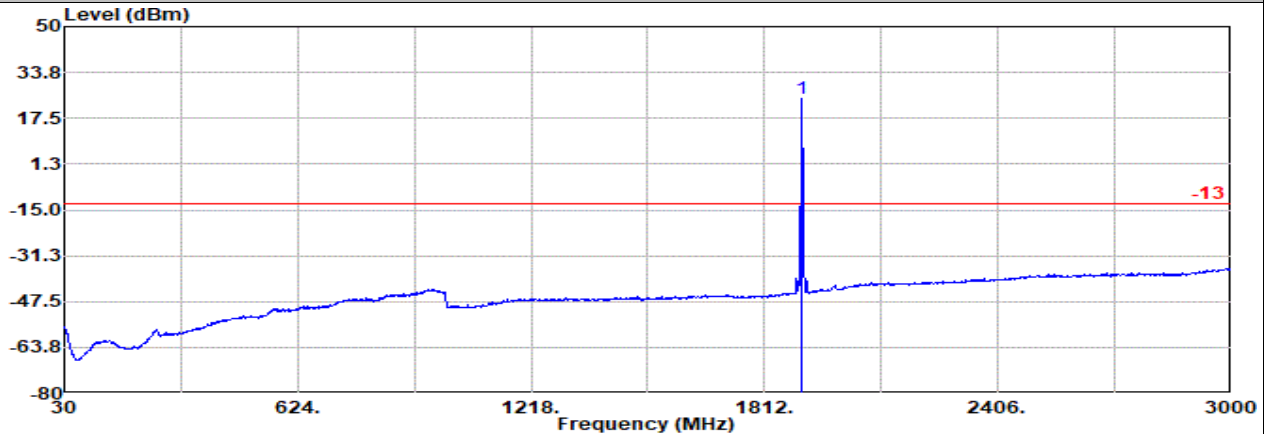


Tx0_Ant 0

Part 24E Mode 2

WCDMA B2 Ch9538

H



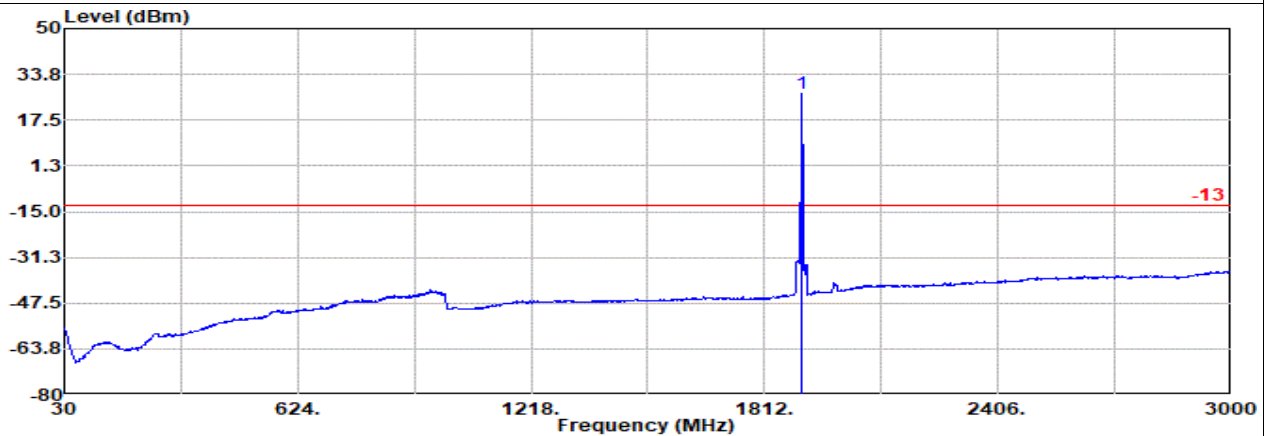
Site : 03CH20-HY

Condition: -13 3m HF_9120D_02360_241101 Horizontal

: WCDMA Band II Ch9538

: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm						g			
1	1906.00	24.52	RMS	25.80	7.68	0.00	-95.23	86.27	-13.00	37.52	Horizontal



Site : 03CH20-HY

Condition: -13 3m HF_9120D_02360_241101 Vertical

: WCDMA Band II Ch9538

: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm						g			
1	1906.00	26.96	RMS	25.80	7.68	0.00	-95.23	88.71	-13.00	39.96	Vertical

Remark: #1 is fundamental signal which can be ignored.