



FCC RADIO TEST REPORT

FCC ID : IHDT56AX9
Equipment : Mobile Cellular Phone
Brand Name : Motorola
Model Name : XT2715-1, XT2715-2, XT2715-3, XT2715V
Applicant : Motorola Mobility LLC
222 W. Merchandise Mart Plaza, Chicago, IL 60654,
USA
Manufacturer : Motorola Mobility LLC
222 W. Merchandise Mart Plaza, Chicago, IL 60654,
USA
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27(L)

The product was received on Aug. 18, 2026 and testing was performed from Aug. 20, 2026 to Sep. 25, 2026. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010



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History of this test report

Report No.	Version	Description	Issue Date
FG672115A	01	Initial issue of report	Sep. 26, 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 (GSM850) (WCDMA Band V)		
	§24.232 (c)	Equivalent Isotropic Radiated Power (GSM1900) (WCDMA Band II)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (WCDMA Band IV)		
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 (GSM850) (WCDMA Band V) (GSM1900) (WCDMA Band II) (WCDMA Band IV)	Pass	-
3.5	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g)	Band Edge Measurement (GSM850) (WCDMA Band V) (GSM1900) (WCDMA Band II) (WCDMA Band IV)	Pass	-
3.6	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g)	Conducted Emission (GSM850) (WCDMA Band V) (GSM1900) (WCDMA Band II) (WCDMA Band IV)	Pass	-
3.7	§2.1055 §22.355	Frequency Stability Temperature & Voltage	Pass	-
4.4	§2.1053 §22.917 (a) §24.238 (a) §27.53 (h)	Field Strength of Spurious Radiation (GSM850) (WCDMA Band V) (GSM1900) (WCDMA Band II) (WCDMA Band IV)	Pass	-

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Keven Cheng

Report Producer: Dara Chiu



1 General Description

1.1 Product Feature of Equipment Under Test

Product Specification subject to this standard	
General Specs	GSM/WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, NFC, GNSS and FM
Antenna Type	WWAN: PIFA Antenna

Band Power Class				
	PC3			
GSM850	V			
GSM1900	V			
WCDMA B4	V			
WCDMA B2	V			
WCDMA B5	V			

Max Antenna Gain information(dBi)							
Band	Ant 0						
GSM850	-3.4						
GSM1900	-3.2						
WCDMA B4	-2.3						
WCDMA B2	-3.2						
WCDMA B5	-3.4						

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to Disclaimer in report summary.
2. The four model names are only for different market purpose, and all the others are the same.
3. There are three samples, the difference could be referred to the Operational Description of Product Equality Declaration which is exhibit separately. According to the difference, we choose sample 1 to full test.

EUT Information List	
IMEI	Performed Test Item
355746920040754	Conducted Measurement ERP/EIRP
355746920038618	Radiated Spurious Emission

Specification of Accessory				
Battery1	Brand Name	Motorola (CosMX)	Model Name	TO70
Battery2	Brand Name	Motorola (SUNWODA)	Model Name	TO70
USB Cable 1	Brand Name	Motorola (LUXSHARE-ICT)	Model Name	8B47-2TS0003H-FG
USB Cable 2	Brand Name	Motorola (WASHIN)	Model Name	HX-WT-83

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory	
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010 TEL: +886-3-327-0868 FAX: +886-3-327-0855	
Test Site No.	Sporton Site No.	
	TH05-HY	03CH22-HY
Test Engineer	Wei Shun Hung	Ken Kuo, York Huang, Vic Li
Temperature (°C)	24.0-25.6	21.3~25.2
Relative Humidity (%)	59.7-60.4	54.7~61.3

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

FCC Designation No.: TW3786

1.4 Applicable Standards

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

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

Remark:

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



2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and 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:

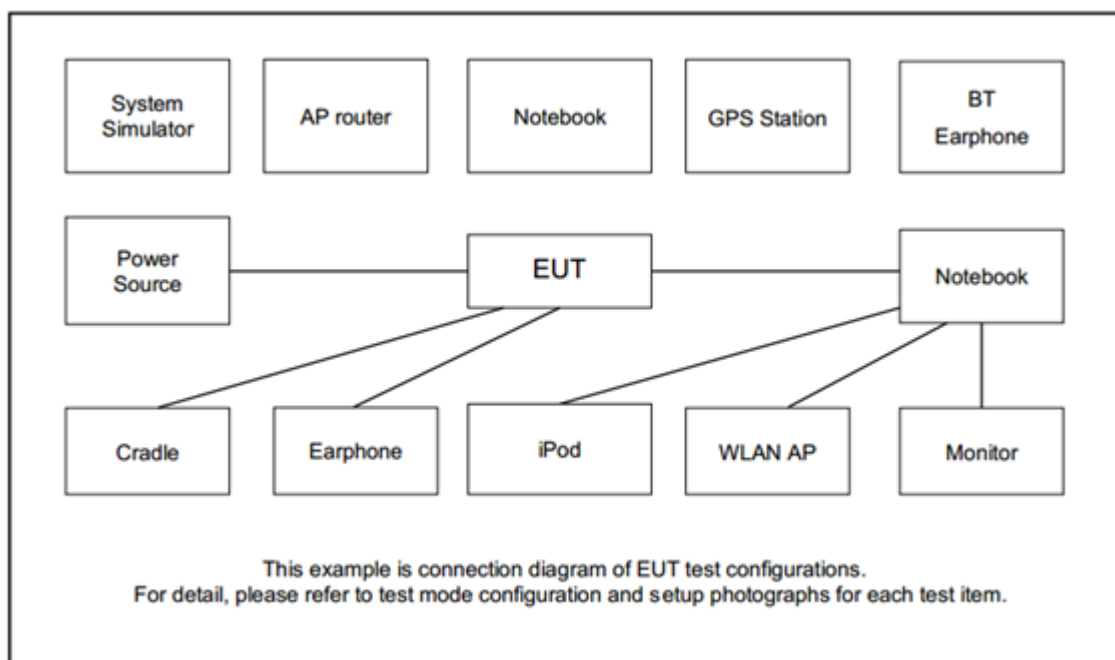
1. 30 MHz to 9000 MHz for GSM850 and WCDMA Band V
2. 30 MHz to 18000 MHz for WCDMA Band IV
3. 30 MHz to 19100 MHz for GSM1900 and WCDMA Band II and WCDMA Band II

All modes, data rates and positions were investigated.

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

Test Modes		
Band	Radiated TCs	Conducted TCs
GSM850	■ GSM Link	■ GSM Link
	■ EDGE Class 8 Link	■ EDGE Class 8 Link
GSM1900	■ GSM Link	■ GSM Link
	■ EDGE Class 8 Link	■ EDGE Class 8 Link
WCDMA Band V	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link
WCDMA Band IV	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link
WCDMA Band II	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Base Station	Anritsu	MT8820	N/A	N/A	N/A
2.	Base Station	Anritsu	MT8821C	N/A	N/A	N/A
3.	Base Station	Anritsu	MT8000A	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 5.2 dB and a 10 dB attenuator.

Example:

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 5.2 + 10 = 15.2 \text{ (dB)} \end{aligned}$$



2.5 Frequency List of Low/Middle/High Channels

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

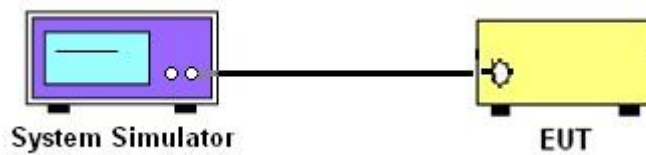
3 Conducted Test Result

3.1 Measuring Instruments

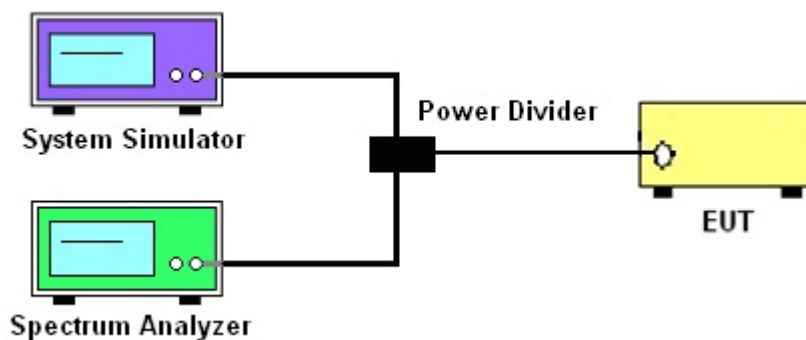
Please refer to the measuring equipment list in this test report.

3.1.1 Test Setup

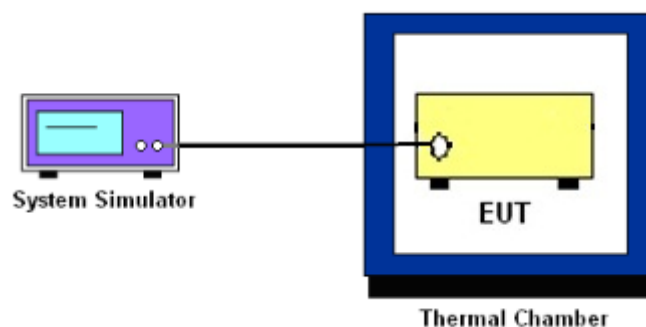
3.1.2 Conducted Output Power



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 GSM850 and WCDMA Band V

The EIRP of mobile transmitters must not exceed 2 Watts for GSM1900 and 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.

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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.

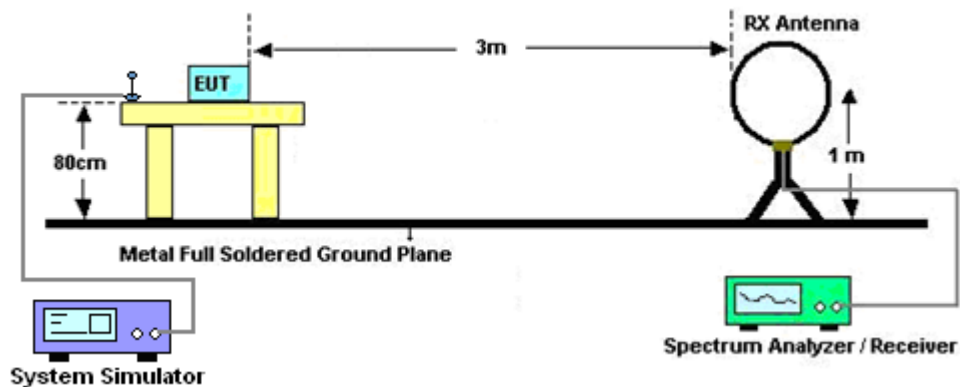
4 Radiated Test Items

4.1 Measuring Instruments

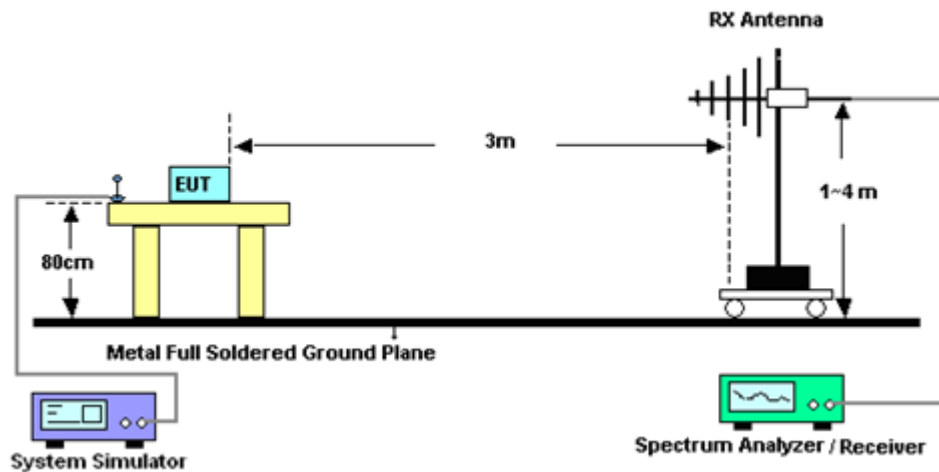
Please refer to the measuring equipment list in this test report.

4.2 Test Setup

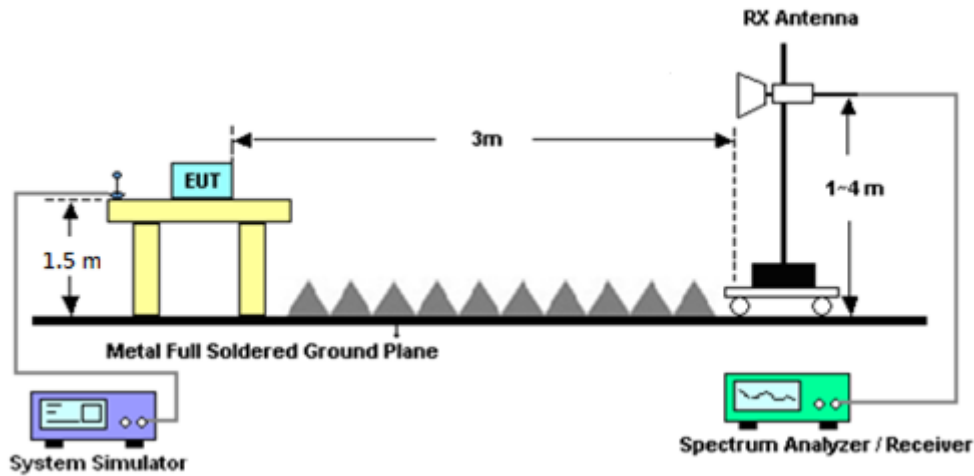
For radiated test below 30MHz



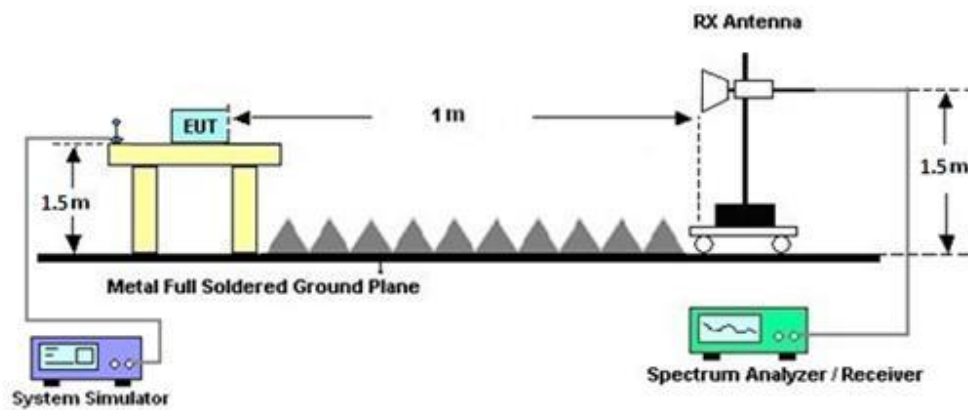
For radiated test from 30MHz to 1GHz



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
Spectrum Analyzer	Rohde & Schwarz	FSP30	101329	9kHz~30GHz	Mar. 10, 2026	Aug.28,2026~Sep.25, 2026	Mar. 09, 2027	Conducted (TH05-HY)
Universal Digital Radio COMM. Tester	Rohde & Schwarz	CMU200	112403	GSM / GPRS / WCDMA / CDMA	Mar. 13, 2026	Aug.28,2026~Sep.25, 2026	Mar. 12, 2027	Conducted (TH05-HY)
DC Power Supply	GW Instek	GPE-2323	GEU871221	0V~64V ; 0A~6A	Apr. 17, 2026	Aug.28,2026~Sep.25, 2026	Apr. 16, 2027	Conducted (TH05-HY)
Temperature & Humidity Cabinet Chamber	ESPEC	SU-241	92003713	-30°C ~95°C	Feb. 23, 2026	Aug.28,2026~Sep.25, 2026	Feb. 22, 2027	Conducted (TH05-HY)
Hygrometer	TECPEL	DTM-303A	TP224371	N/A	Jun. 15, 2026	Aug.28,2026~Sep.25, 2026	Jun. 14, 2027	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9kHz~30MHz	Dec. 21, 2025	Aug. 20, 2026~Sep. 17, 2026	Dec. 20, 2026	Radiation (03CH22-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63304 & 002	30MHz~1GHz	Nov. 26, 2025	Aug. 20, 2026~Sep. 17, 2026	Nov. 25, 2026	Radiation (03CH22-HY)
Amplifier	SONOMA	310N	421581	N/A	Jul. 12, 2026	Aug. 20, 2026~Sep. 17, 2026	Jul. 11, 2027	Radiation (03CH22-HY)
EMI Test Receiver	Rohde & Schwarz	ESR26	102009	26.5GHz	Apr. 13, 2026	Aug. 20, 2026~Sep. 17, 2026	Apr. 12, 2027	Radiation (03CH22-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C04A18EN	1GHz~18GHz	May 28, 2026	Aug. 20, 2026~Sep. 17, 2026	May 27, 2027	Radiation (03CH22-HY)
Amplifier	EMEC	EM01G18GA	060877	1GHz~18GHz	Sep. 26, 2025	Aug. 20, 2026~Sep. 17, 2026	Sep. 25, 2026	Radiation (03CH22-HY)
Horn Antenna	SCHWARZBECK	BBHA 9170	1224	18GHz~40GHz	Aug. 12, 2026	Aug. 20, 2026~Sep. 17, 2026	Aug. 11, 2027	Radiation (03CH22-HY)
Preamplifier	EMEC	EM18G40G	060872	18~40GHz	Dec. 02, 2025	Aug. 20, 2026~Sep. 17, 2026	Dec. 01, 2026	Radiation (03CH22-HY)
Signal Analyzer	Keysight	N9010B	MY62170278	10Hz~44GHz	Sep. 22, 2025	Aug. 20, 2026~Sep. 17, 2026	Sep. 21, 2026	Radiation (03CH22-HY)
Hygrometer	TECPEL	DTM-303A	TP211469	N/A	Dec. 15, 2025	Aug. 20, 2026~Sep. 17, 2026	Dec. 14, 2026	Radiation (03CH22-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Aug. 20, 2026~Sep. 17, 2026	N/A	Radiation (03CH22-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Aug. 20, 2026~Sep. 17, 2026	N/A	Radiation (03CH22-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Aug. 20, 2026~Sep. 17, 2026	N/A	Radiation (03CH22-HY)
Software	Audix	E3	RK-002347	N/A	N/A	Aug. 20, 2026~Sep. 17, 2026	N/A	Radiation (03CH22-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 04, 2026	Aug. 20, 2026~Sep. 17, 2026	Mar. 03, 2027	Radiation (03CH22-HY)
RF Cable	HUBER + SUHNER/EMCI	SUCOFLEX 102/EMCI01Y-KM-KM-500/EMCI01Y-KM-KM-9000	804611/2,240914, 25043351,25043350	30MHz~40GHz	May 18, 2026	Aug. 20, 2026~Sep. 17, 2026	May 17, 2027	Radiation (03CH22-HY)

6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.30 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% ($U = 2Uc(y)$)	5.00 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
---	---------

GSM850				FCC Limit(W): 7		
TX Channel	Burst Average Power (dBm)			ERP(W)		
	128	189	251			
Frequency (MHz)	824.2	836.4	848.8	L	M	H
GSM 1 Tx slot	32.20	32.42	32.26	0.4624	0.4864	0.4688
GPRS 1 Tx slot	32.17	32.39	32.23	0.4592	0.4831	0.4656
GPRS 2 Tx slots	31.18	31.39	31.27	0.3656	0.3837	0.3733
GPRS 3 Tx slots	29.14	29.36	29.16	0.2286	0.2404	0.2296
GPRS 4 Tx slots	28.03	28.08	27.81	0.1770	0.1791	0.1683
EDGE 1 Tx slot	27.28	27.29	27.21	0.1489	0.1493	0.1466
EDGE 2 Tx slots	26.09	26.08	26.03	0.1132	0.1130	0.1117
EDGE 3 Tx slots	23.97	23.82	23.78	0.0695	0.0671	0.0665
EDGE 4 Tx slots	22.56	22.44	22.35	0.0502	0.0489	0.0479
				IC Limit(W): 2		
				FCC Limit(W): 2		
GSM1900				EIRP(W)		
TX Channel	Burst Average Power (dBm)					
	512	661	810			
Frequency (MHz)	1850.2	1880	1909.8	L	M	H
GSM 1 Tx slot	29.26	29.32	29.42	0.4036	0.4093	0.4188
GPRS 1 Tx slot	29.24	29.28	29.40	0.4018	0.4055	0.4169
GPRS 2 Tx slots	28.38	28.42	28.52	0.3296	0.3327	0.3404
GPRS 3 Tx slots	26.50	26.50	26.57	0.2138	0.2138	0.2173
GPRS 4 Tx slots	25.28	25.30	25.27	0.1614	0.1622	0.1611
EDGE 1 Tx slot	26.44	26.40	26.46	0.2109	0.2089	0.2118
EDGE 2 Tx slots	25.21	25.16	25.19	0.1589	0.1570	0.1581
EDGE 3 Tx slots	22.92	22.92	22.86	0.0938	0.0938	0.0925
EDGE 4 Tx slots	21.77	21.62	21.57	0.0719	0.0695	0.0687

FCC Limit(W):					7		
Band		WCDMA V			ERP(W)		
TX Channel		4132	4182	4233			
Rx Channel		4357	4407	4458			
Frequency (MHz)		826.4	836.4	846.6	L	M	H
3GPP Rel 99	AMR 12.2Kbps	23.31	23.32	23.15	0.0597	0.0598	0.0575
3GPP Rel 99	RMC 12.2Kbps	23.33	23.34	23.20	0.0600	0.0601	0.0582
3GPP Rel 6	HSDPA Subtest-1	22.16	22.30	22.03	0.0458	0.0473	0.0445
3GPP Rel 6	HSDPA Subtest-2	22.23	22.33	22.12	0.0466	0.0476	0.0454
3GPP Rel 6	HSDPA Subtest-3	21.63	21.73	21.51	0.0406	0.0415	0.0394
3GPP Rel 6	HSDPA Subtest-4	21.73	21.77	21.48	0.0415	0.0419	0.0392
3GPP Rel 8	DC-HSDPA Subtest-1	22.10	22.25	22.06	0.0452	0.0468	0.0448
3GPP Rel 8	DC-HSDPA Subtest-2	22.16	22.26	21.97	0.0458	0.0469	0.0439
3GPP Rel 8	DC-HSDPA Subtest-3	21.60	21.65	21.45	0.0403	0.0407	0.0389
3GPP Rel 8	DC-HSDPA Subtest-4	21.72	21.75	21.51	0.0414	0.0417	0.0394
3GPP Rel 6	HSUPA Subtest-1	22.10	22.19	21.90	0.0452	0.0461	0.0432
3GPP Rel 6	HSUPA Subtest-2	20.13	20.19	19.94	0.0287	0.0291	0.0275
3GPP Rel 6	HSUPA Subtest-3	21.32	21.37	21.08	0.0378	0.0382	0.0357
3GPP Rel 6	HSUPA Subtest-4	20.32	20.38	20.16	0.0300	0.0304	0.0289
3GPP Rel 6	HSUPA Subtest-5	22.18	22.21	21.98	0.0460	0.0463	0.0440
3GPP Rel 7	HSPA+ (16QAM) Subtest-	19.72	19.79	19.49	0.0261	0.0265	0.0248
IC Limit(W):					1		
FCC Limit(W):					1		
Band		WCDMA IV			EIRP(W)		
TX Channel		1312	1413	1513			
Rx Channel		1537	1638	1738			
Frequency (MHz)		1712.4	1732.6	1752.6	L	M	H
3GPP Rel 99	AMR 12.2Kbps	23.12	23.14	23.10	0.1208	0.1213	0.1202
3GPP Rel 99	RMC 12.2Kbps	23.14	23.15	23.12	0.1213	0.1216	0.1208
3GPP Rel 6	HSDPA Subtest-1	21.83	22.00	21.87	0.0897	0.0933	0.0906
3GPP Rel 6	HSDPA Subtest-2	21.90	22.06	22.00	0.0912	0.0946	0.0933
3GPP Rel 6	HSDPA Subtest-3	21.62	21.75	21.64	0.0855	0.0881	0.0859
3GPP Rel 6	HSDPA Subtest-4	21.54	21.57	21.49	0.0839	0.0845	0.0830
3GPP Rel 8	DC-HSDPA Subtest-1	21.97	22.09	22.03	0.0927	0.0953	0.0940
3GPP Rel 8	DC-HSDPA Subtest-2	21.94	22.04	21.91	0.0920	0.0942	0.0914
3GPP Rel 8	DC-HSDPA Subtest-3	21.48	21.64	21.50	0.0828	0.0859	0.0832
3GPP Rel 8	DC-HSDPA Subtest-4	21.50	21.61	21.47	0.0832	0.0853	0.0826
3GPP Rel 6	HSUPA Subtest-1	22.14	22.24	22.07	0.0964	0.0986	0.0948
3GPP Rel 6	HSUPA Subtest-2	20.05	20.17	20.05	0.0596	0.0612	0.0596
3GPP Rel 6	HSUPA Subtest-3	20.99	21.15	21.08	0.0740	0.0767	0.0755
3GPP Rel 6	HSUPA Subtest-4	20.05	20.12	19.97	0.0596	0.0605	0.0585
3GPP Rel 6	HSUPA Subtest-5	21.90	22.04	21.96	0.0912	0.0942	0.0925
3GPP Rel 7	HSPA+ (16QAM) Subtest-	19.38	19.49	19.33	0.0511	0.0524	0.0505
IC Limit(W):					2		
FCC Limit(W):					2		
Band		WCDMA II			EIRP(W)		
TX Channel		9262	9400	9538			
Rx Channel		9662	9800	9938			
Frequency (MHz)		1852.4	1880	1907.6	L	M	H
3GPP Rel 99	AMR 12.2Kbps	23.21	23.32	23.31	0.1002	0.1028	0.1026
3GPP Rel 99	RMC 12.2Kbps	23.25	23.36	23.34	0.1012	0.1038	0.1033
3GPP Rel 6	HSDPA Subtest-1	22.07	22.25	22.20	0.0771	0.0804	0.0794
3GPP Rel 6	HSDPA Subtest-2	22.15	22.29	22.25	0.0785	0.0811	0.0804
3GPP Rel 6	HSDPA Subtest-3	21.60	21.81	21.74	0.0692	0.0726	0.0714
3GPP Rel 6	HSDPA Subtest-4	21.58	21.77	21.70	0.0689	0.0719	0.0708
3GPP Rel 8	DC-HSDPA Subtest-1	22.07	22.31	22.18	0.0771	0.0815	0.0791
3GPP Rel 8	DC-HSDPA Subtest-2	22.05	22.22	22.07	0.0767	0.0798	0.0771
3GPP Rel 8	DC-HSDPA Subtest-3	21.49	21.71	21.61	0.0675	0.0710	0.0693
3GPP Rel 8	DC-HSDPA Subtest-4	21.49	21.75	21.65	0.0675	0.0716	0.0700
3GPP Rel 6	HSUPA Subtest-1	22.15	22.29	22.23	0.0785	0.0811	0.0800
3GPP Rel 6	HSUPA Subtest-2	20.03	20.25	20.14	0.0482	0.0507	0.0494
3GPP Rel 6	HSUPA Subtest-3	21.12	21.30	21.23	0.0619	0.0646	0.0635
3GPP Rel 6	HSUPA Subtest-4	20.05	20.28	20.25	0.0484	0.0511	0.0507
3GPP Rel 6	HSUPA Subtest-5	22.12	22.25	22.22	0.0780	0.0804	0.0798
3GPP Rel 7	HSPA+ (16QAM) Subtest-	19.57	19.71	19.59	0.0434	0.0448	0.0436



A2. GSM

Peak-to-Average Ratio

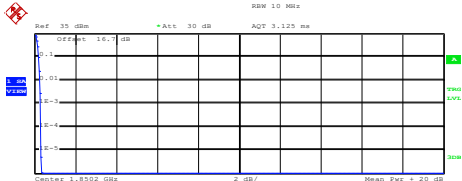
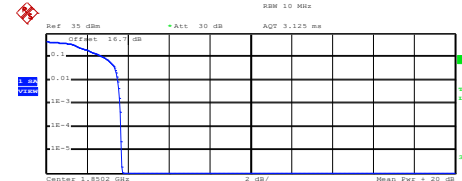
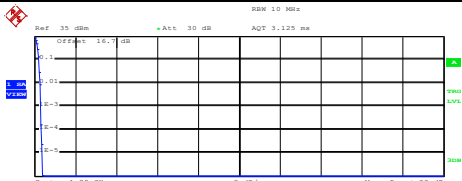
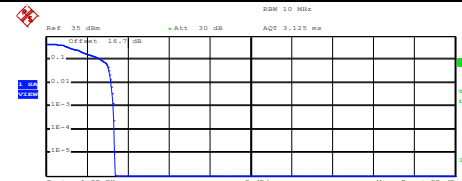
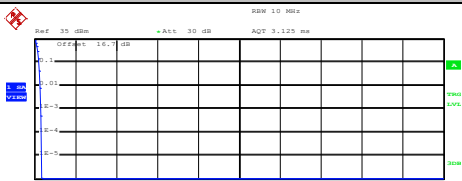
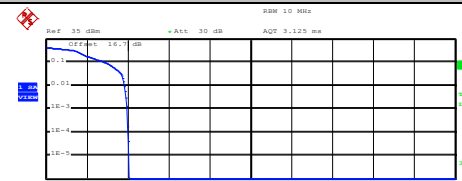
Mode	GSM850		Limit: 13dB
Mod.	GSM	EDGE class 8	Result
Lowest CH	0.32	3.48	PASS
Middle CH	0.32	3.24	
Highest CH	0.28	3.32	

Mode	GSM1900		Limit: 13dB
Mod.	GSM	EDGE class 8	Result
Lowest CH	0.32	3.64	PASS
Middle CH	0.32	3.28	
Highest CH	0.32	3.96	



GSM850 (GSM)		GSM850 (EDGE class 8)	
Lowest Channel		Lowest Channel	
</			



GSM1900 (GSM)		GSM1900 (EDGE class 8)	
Lowest Channel		Lowest Channel	
 Center 1.8502 GHz 2 dB/ Mean Pwr + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 28.34 dBm Peak 28.69 dBm Crest 0.36 dB 10 % 0.20 dB 1 % 0.28 dB .1 % 0.32 dB .01 % 0.32 dB Date: 25.SEP.2026 07:20:12		 Center 1.8502 GHz 2 dB/ Mean Pwr + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 25.89 dBm Peak 29.61 dBm Crest 3.72 dB 10 % 2.80 dB 1 % 3.52 dB .1 % 3.64 dB .01 % 3.68 dB Date: 28.AUG.2026 16:10:11	
Middle Channel		Middle Channel	
 Center 1.88 GHz 2 dB/ Mean Pwr + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 27.76 dBm Peak 28.13 dBm Crest 0.37 dB 10 % 0.20 dB 1 % 0.28 dB .1 % 0.32 dB .01 % 0.32 dB Date: 25.SEP.2026 07:20:39		 Center 1.88 GHz 2 dB/ Mean Pwr + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 26.22 dBm Peak 29.61 dBm Crest 3.39 dB 10 % 2.72 dB 1 % 3.20 dB .1 % 3.28 dB .01 % 3.36 dB Date: 28.AUG.2026 16:10:42	
Highest Channel		Highest Channel	
 Center 1.9098 GHz 2 dB/ Mean Pwr + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 27.31 dBm Peak 27.63 dBm Crest 0.32 dB 10 % 0.20 dB 1 % 0.28 dB .1 % 0.32 dB .01 % 0.36 dB Date: 25.SEP.2026 07:21:26		 Center 1.9098 GHz 2 dB/ Mean Pwr + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 25.47 dBm Peak 29.54 dBm Crest 4.07 dB 10 % 2.92 dB 1 % 3.84 dB .1 % 3.96 dB .01 % 4.04 dB Date: 28.AUG.2026 16:11:09	

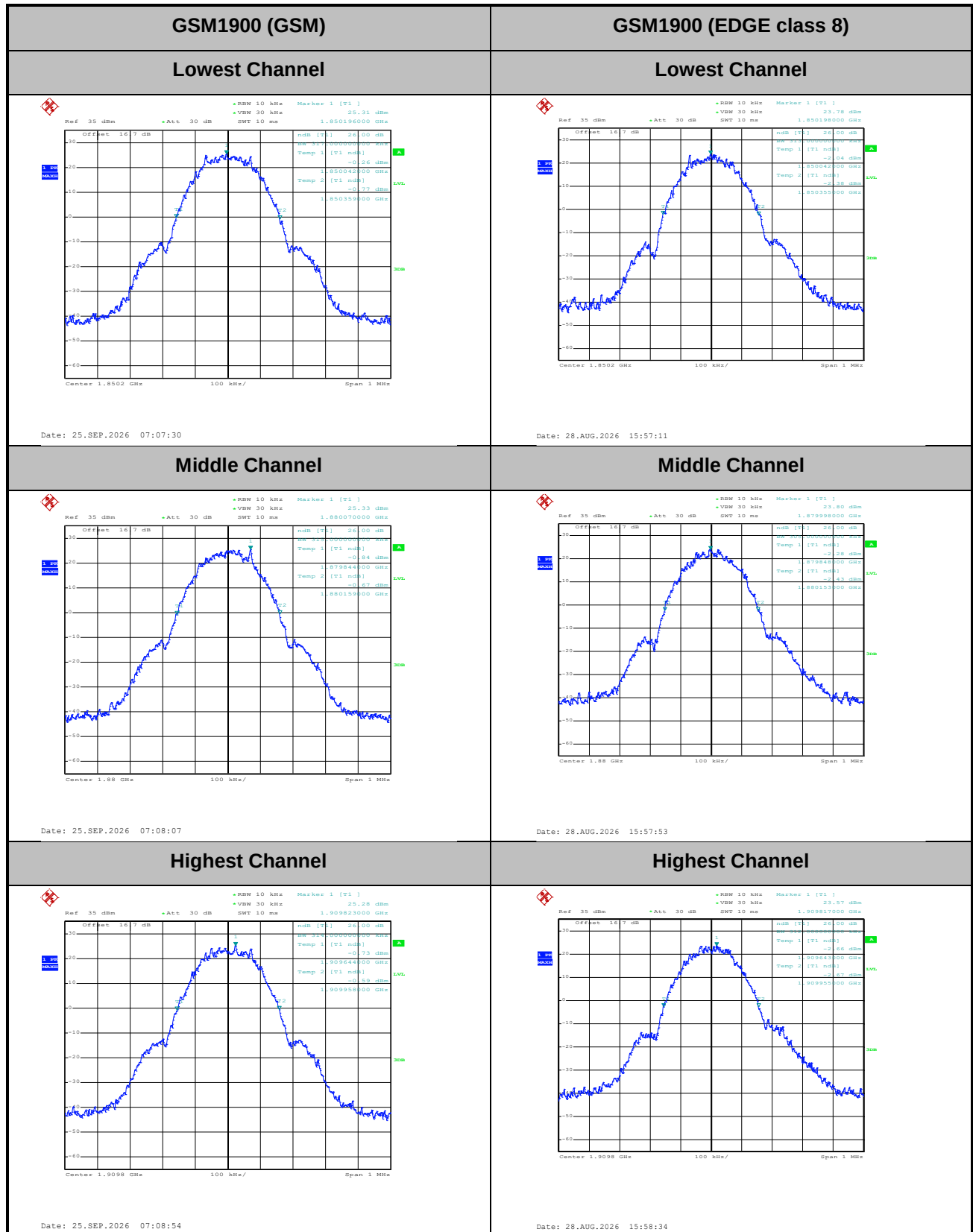
**26dB Bandwidth**

Mode	GSM850 : 26dB BW(MHz)	
Mod.	GSM	EDGE class 8
Lowest CH	0.320	0.311
Middle CH	0.314	0.307
Highest CH	0.311	0.314

Mode	GSM1900 : 26dB BW(MHz)	
Mod.	GSM	EDGE class 8
Lowest CH	0.317	0.313
Middle CH	0.315	0.305
Highest CH	0.314	0.312



GSM850 (GSM)		GSM850 (EDGE class 8)	
Lowest Channel		Lowest Channel	
Date: 28.AUG.2026 15:07:44		Date: 28.AUG.2026 15:33:16	
Middle Channel		Middle Channel	
Date: 28.AUG.2026 15:08:27		Date: 28.AUG.2026 15:33:59	
Highest Channel		Highest Channel	
Date: 28.AUG.2026 15:09:07		Date: 28.AUG.2026 15:34:38	



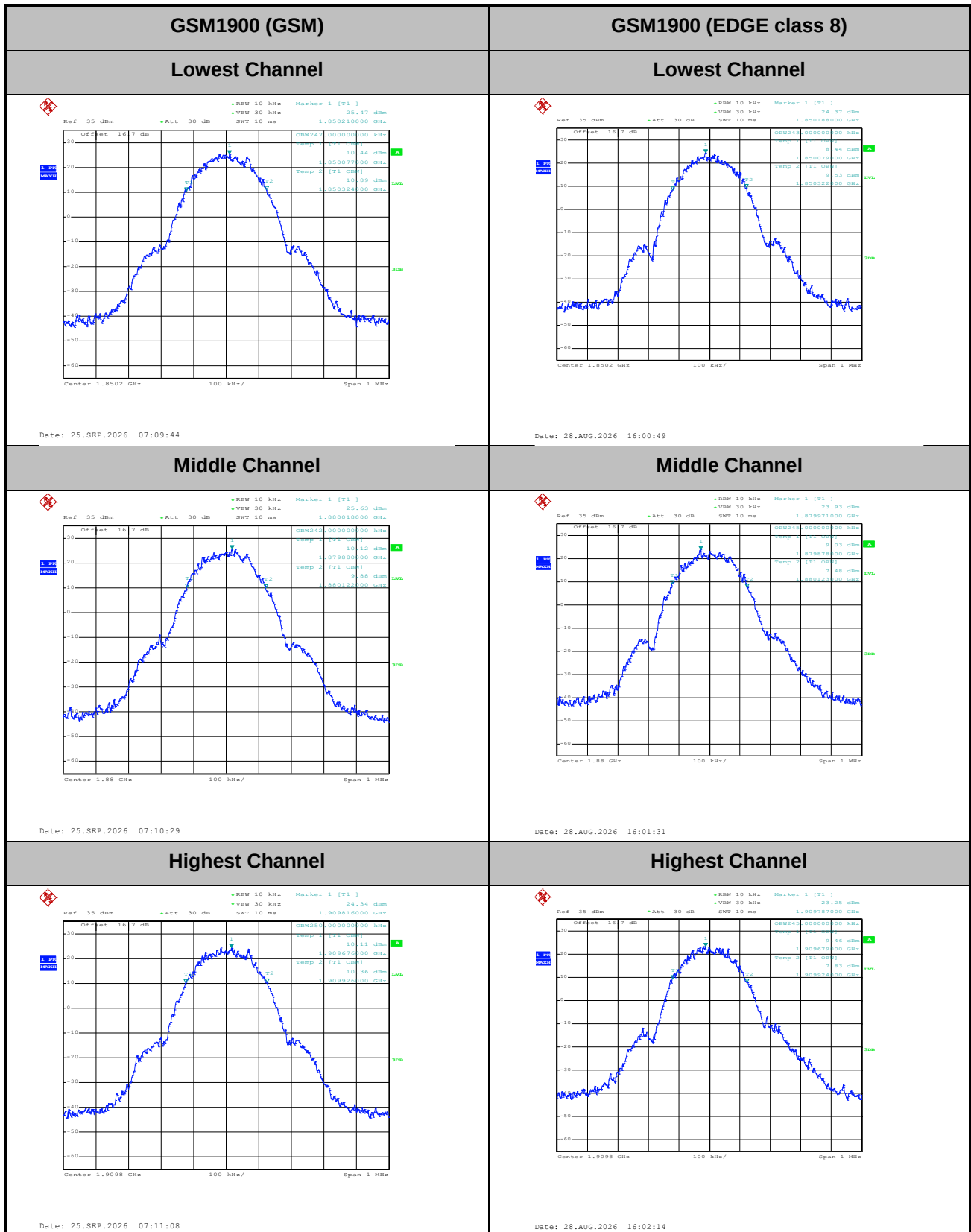
**Occupied Bandwidth**

Mode	GSM850 : 99%OBW(MHz)	
Mod.	GSM	EDGE class 8
Lowest CH	0.245	0.246
Middle CH	0.245	0.246
Highest CH	0.242	0.252

Mode	GSM1900 : 99%OBW(MHz)	
Mod.	GSM	EDGE class 8
Lowest CH	0.247	0.243
Middle CH	0.242	0.245
Highest CH	0.250	0.245



GSM850 (GSM)		GSM850 (EDGE class 8)	
Lowest Channel		Lowest Channel	
Date: 28.AUG.2026 15:10:05		Date: 28.AUG.2026 15:40:41	
Middle Channel		Middle Channel	
Date: 28.AUG.2026 15:10:45		Date: 28.AUG.2026 15:41:22	
Highest Channel		Highest Channel	
Date: 28.AUG.2026 15:11:25		Date: 28.AUG.2026 15:42:02	

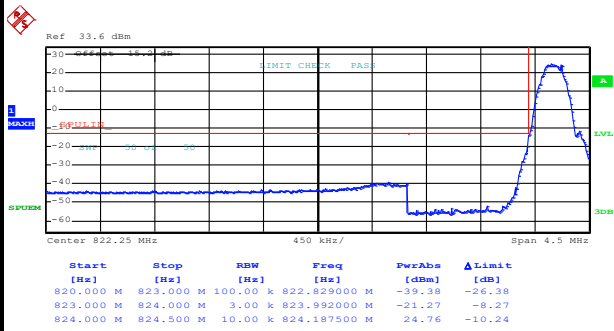




Conducted Band Edge

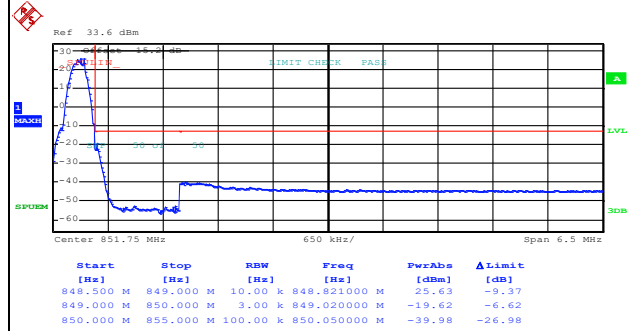
GSM850 (GSM)

Lowest Band Edge



Date: 28.AUG.2026 15:13:14

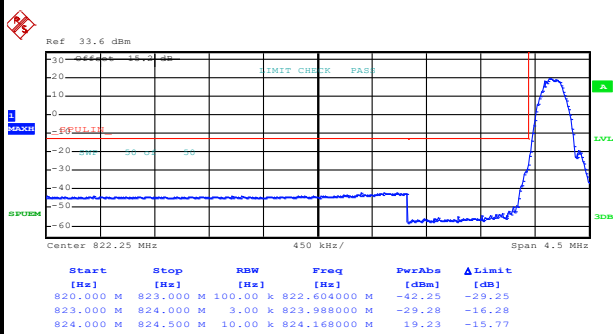
Highest Band Edge



Date: 28.AUG.2026 15:14:54

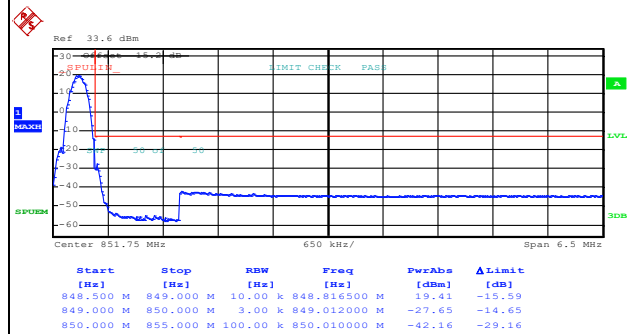
GSM850 (EDGE class 8)

Lowest Band Edge



Date: 28.AUG.2026 15:43:58

Highest Band Edge

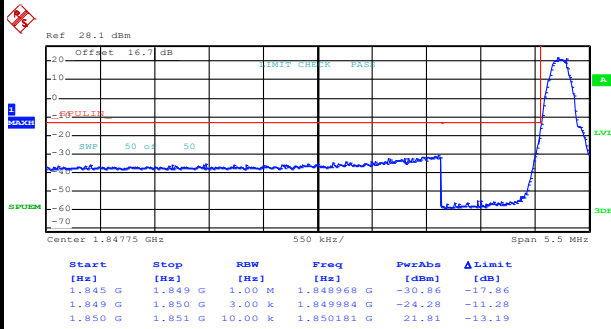


Date: 28.AUG.2026 15:45:50



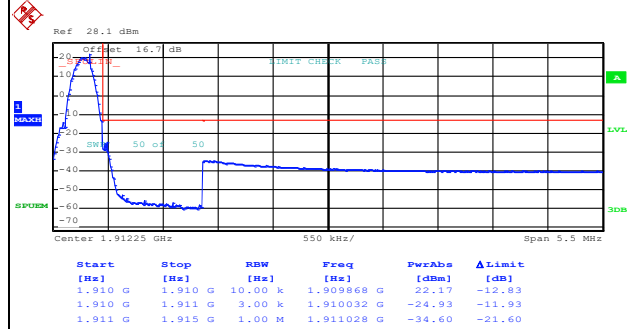
GSM1900 (GSM)

Lowest Band Edge



Date: 25.SEP.2026 07:13:02

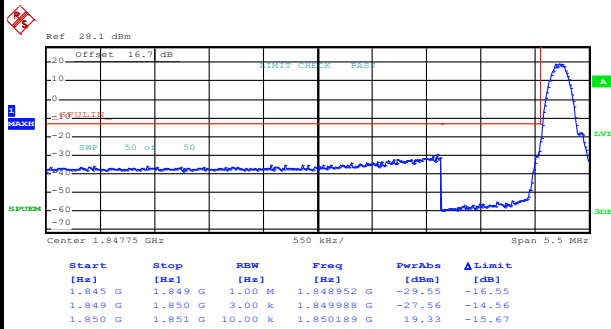
Highest Band Edge



Date: 25.SEP.2026 07:14:56

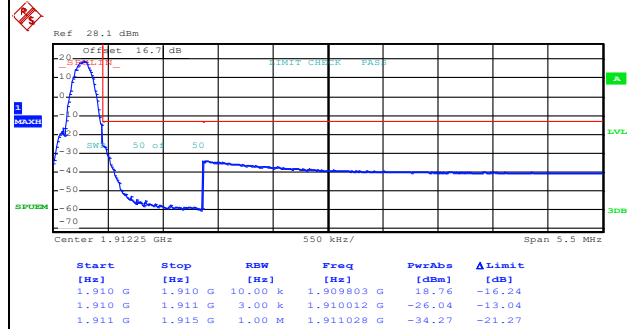
GSM1900 (EDGE class 8)

Lowest Band Edge



Date: 28.AUG.2026 16:04:05

Highest Band Edge



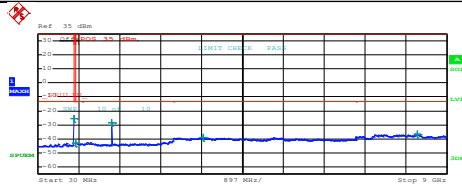
Date: 28.AUG.2026 16:05:47



Conducted Spurious Emission

GSM850 (GSM)

Lowest Channel

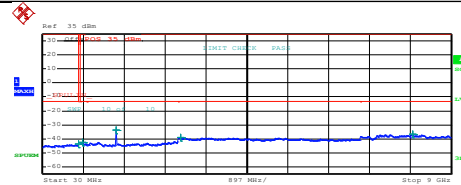


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PerAbn [dBm]	ΔLimit [dB]
30,000 M	820,000 M	1,000 M	819,802500 M	-25.73	-12.73
820,000 M	1,000 G	1,000 G	850,217500 M	-43.22	-30.22
1,000 G	3,000 G	1,000 M	1,648500 G	-28.24	-15.24
3,000 G	7,000 G	1,000 M	3,645000 G	-39.07	-26.07
7,000 G	9,000 G	1,000 M	8,347500 G	-36.62	-23.62

Date: 28.AUG.2026 15:16:08

GSM850 (EDGE class 8)

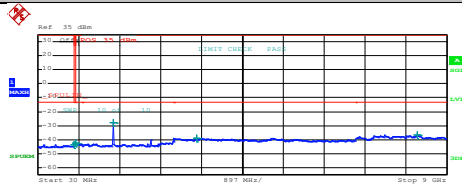
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PerAbn [dBm]	ΔLimit [dB]
30,000 M	820,000 M	1,000 M	811,705000 M	-43.94	-30.94
820,000 M	1,000 G	1,000 M	850,720000 M	-42.69	-29.69
1,000 G	3,000 G	1,000 M	1,648500 G	-33.57	-20.57
3,000 G	7,000 G	1,000 M	3,654000 G	-39.20	-26.20
7,000 G	9,000 G	1,000 M	8,349000 G	-36.64	-23.64

Date: 28.AUG.2026 15:47:41

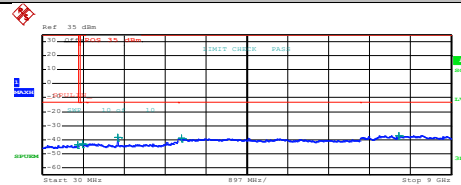
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PerAbn [dBm]	ΔLimit [dB]
30,000 M	820,000 M	1,000 M	819,210000 M	-43.65	-30.65
820,000 M	1,000 G	1,000 M	857,501250 M	-42.53	-29.53
1,000 G	3,000 G	1,000 M	1,673000 G	-27.92	-24.92
3,000 G	7,000 G	1,000 M	3,518000 G	-39.00	-26.00
7,000 G	9,000 G	1,000 M	8,347500 G	-36.61	-23.61

Date: 28.AUG.2026 15:17:05

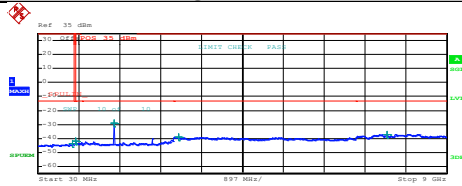
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PerAbn [dBm]	ΔLimit [dB]
30,000 M	820,000 M	1,000 M	819,125000 M	-43.43	-30.43
820,000 M	1,000 G	1,000 M	857,353754 M	-42.94	-29.94
1,000 G	3,000 G	1,000 M	1,673000 G	-38.46	-25.46
3,000 G	7,000 G	1,000 M	3,508500 G	-38.82	-25.82
7,000 G	9,000 G	1,000 M	7,851500 G	-37.22	-24.22

Date: 28.AUG.2026 15:48:39

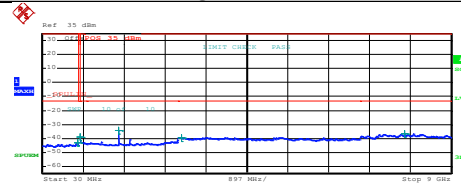
Highest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PerAbn [dBm]	ΔLimit [dB]
30,000 M	820,000 M	1,000 M	779,310000 M	-43.92	-30.92
820,000 M	1,000 G	1,000 M	859,531250 M	-42.16	-29.16
1,000 G	3,000 G	1,000 M	1,697500 G	-29.27	-16.27
3,000 G	7,000 G	1,000 M	3,119000 G	-38.85	-25.85
7,000 G	9,000 G	1,000 M	7,683500 G	-36.98	-23.98

Date: 28.AUG.2026 15:18:04

Highest Channel



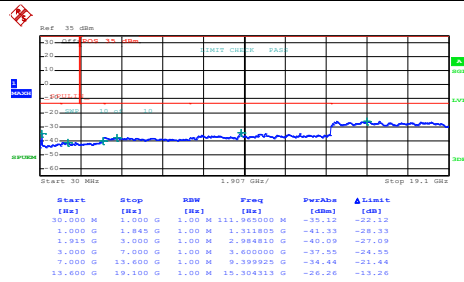
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PerAbn [dBm]	ΔLimit [dB]
30,000 M	820,000 M	1,000 M	809,137500 M	-42.89	-29.89
820,000 M	1,000 G	1,000 M	855,072500 M	-38.85	-25.85
1,000 G	3,000 G	1,000 M	1,698000 G	-34.38	-21.38
3,000 G	7,000 G	1,000 M	3,071000 G	-39.43	-26.43
7,000 G	9,000 G	1,000 M	7,985500 G	-36.70	-23.70

Date: 28.AUG.2026 15:49:38



GSM1900 (GSM)

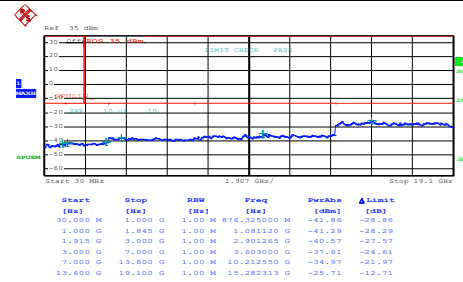
Lowest Channel



Date: 25.SEP.2026 07:16:44

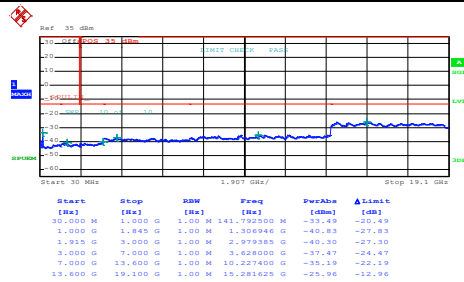
GSM1900 (EDGE class 8)

Lowest Channel



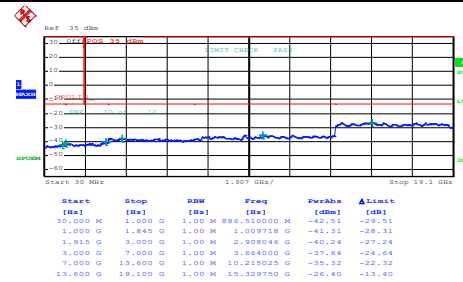
Date: 28.AUG.2026 16:07:13

Middle Channel



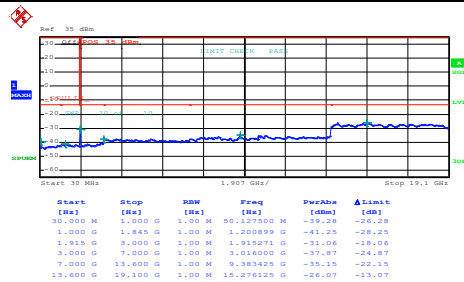
Date: 25.SEP.2026 07:18:21

Middle Channel



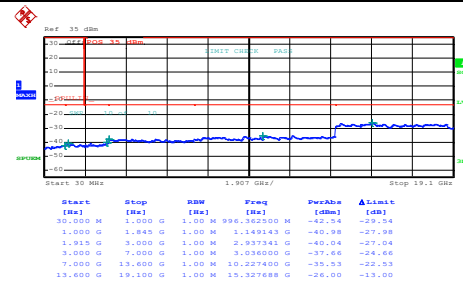
Date: 28.AUG.2026 16:08:16

Highest Channel



Date: 25.SEP.2026 07:19:30

Highest Channel



Date: 28.AUG.2026 16:09:11

**Frequency Stability**

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (EDGE class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0084	0.0120	PASS
40	Normal Voltage	0.0060	0.0108	
30	Normal Voltage	0.0036	0.0084	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0048	0.0060	
0	Normal Voltage	0.0084	0.0072	
-10	Normal Voltage	0.0096	0.0096	
-20	Normal Voltage	0.0084	0.0108	
-30	Normal Voltage	0.0108	0.0179	
20	Maximum Voltage	0.0084	0.0120	
20	Normal Voltage	0.0000	0.0000	
20	Minimum Voltage	0.0096	0.0096	

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (EDGE class 8)	Limit Note 2
Temperature (°C)	Voltage (Volt)	Deviation (Hz)		Result
50	Normal Voltage	7	10	PASS
40	Normal Voltage	5	9	
30	Normal Voltage	3	7	
20(Ref.)	Normal Voltage	0	0	
10	Normal Voltage	-4	5	
0	Normal Voltage	-7	6	
-10	Normal Voltage	-8	8	
-20	Normal Voltage	-7	9	
-30	Normal Voltage	-9	15	
20	Maximum Voltage	7	10	
20	Normal Voltage	0	0	
20	Minimum Voltage	8	8	



Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit 2.5ppm.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0027	0.0032	PASS
40	Normal Voltage	0.0016	0.0027	
30	Normal Voltage	0.0005	0.0016	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0011	0.0037	
0	Normal Voltage	0.0043	0.0059	
-10	Normal Voltage	0.0053	0.0064	
-20	Normal Voltage	0.0059	0.0069	
-30	Normal Voltage	0.0080	0.0085	
20	Maximum Voltage	0.0011	0.0037	
20	Normal Voltage	0.0000	0.0000	
20	Minimum Voltage	0.0005	0.0011	

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2
Temperature (°C)	Voltage (Volt)	Deviation (Hz)		Result
50	Normal Voltage	5	-6	PASS
40	Normal Voltage	3	-5	
30	Normal Voltage	1	-3	
20(Ref.)	Normal Voltage	0	0	
10	Normal Voltage	-2	7	
0	Normal Voltage	-8	11	
-10	Normal Voltage	-10	12	
-20	Normal Voltage	-11	13	
-30	Normal Voltage	-15	16	
20	Maximum Voltage	2	7	
20	Normal Voltage	0	0	
20	Minimum Voltage	1	-2	

Note:

1. Normal Voltage = 3.81V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage =4.53 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



A3. 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	3.16	3.16	3.08	PASS
Middle CH	3.20	3.16	3.08	
Highest CH	3.12	3.08	3.12	

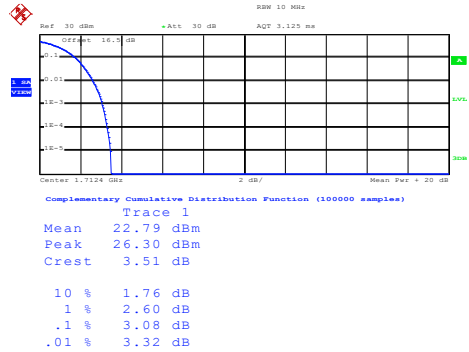


WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	Lowest Channel
Ref 30 dBm Att 30 dB AQT 3.125 ms Center 826.4 MHz 2 dB/ Mean Pwr + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 22.90 dBm Peak 26.37 dBm Crest 3.47 dB 10 % 1.76 dB 1 % 2.64 dB .1 % 3.16 dB .01 % 3.36 dB Date: 28.AUG.2026 12:54:56	Ref 30 dBm Att 30 dB AQT 3.125 ms Center 1.8524 GHz 2 dB/ Mean Pwr + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 22.86 dBm Peak 26.37 dBm Crest 3.52 dB 10 % 1.76 dB 1 % 2.64 dB .1 % 3.16 dB .01 % 3.36 dB Date: 28.AUG.2026 12:00:16
Middle Channel	Middle Channel
Ref 30 dBm Att 30 dB AQT 3.125 ms Center 836.4 MHz 2 dB/ Mean Pwr + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 22.84 dBm Peak 26.44 dBm Crest 3.60 dB 10 % 1.76 dB 1 % 2.68 dB .1 % 3.20 dB .01 % 3.40 dB Date: 28.AUG.2026 12:55:32	Ref 30 dBm Att 30 dB AQT 3.125 ms Center 1.88 GHz 2 dB/ Mean Pwr + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 22.80 dBm Peak 26.30 dBm Crest 3.50 dB 10 % 1.76 dB 1 % 2.68 dB .1 % 3.16 dB .01 % 3.36 dB Date: 28.AUG.2026 12:00:41
Highest Channel	Highest Channel
Ref 30 dBm Att 30 dB AQT 3.125 ms Center 846.6 MHz 2 dB/ Mean Pwr + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 22.93 dBm Peak 26.44 dBm Crest 3.52 dB 10 % 1.76 dB 1 % 2.68 dB .1 % 3.12 dB .01 % 3.36 dB Date: 28.AUG.2026 12:55:59	Ref 30 dBm Att 30 dB AQT 3.125 ms Center 1.9076 GHz 2 dB/ Mean Pwr + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 22.68 dBm Peak 26.09 dBm Crest 3.41 dB 10 % 1.76 dB 1 % 2.60 dB .1 % 3.08 dB .01 % 3.24 dB Date: 28.AUG.2026 12:01:10



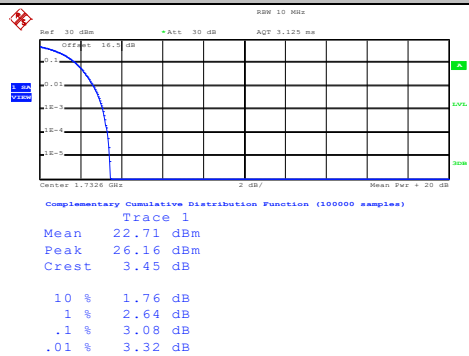
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



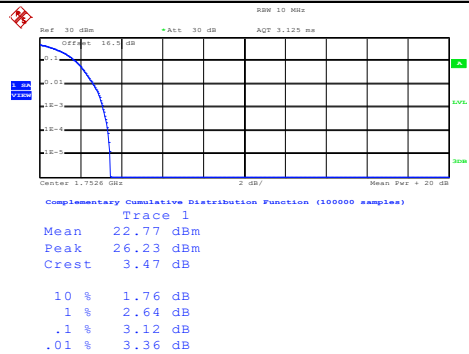
Date: 28.AUG.2026 12:37:09

Middle Channel



Date: 28.AUG.2026 12:37:34

Highest Channel



Date: 28.AUG.2026 12:38:02



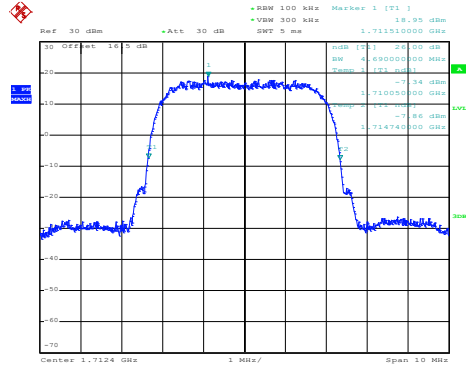
26dB Bandwidth

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	4.70	4.69	4.69
Middle CH	4.68	4.68	4.71
Highest CH	4.70	4.69	4.71



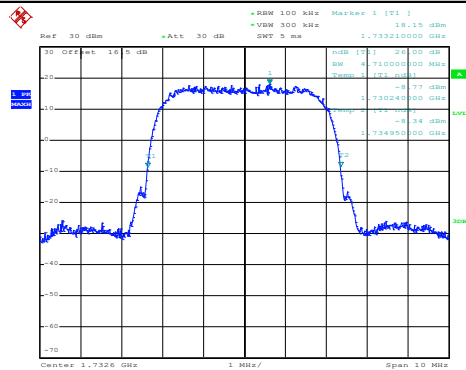
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



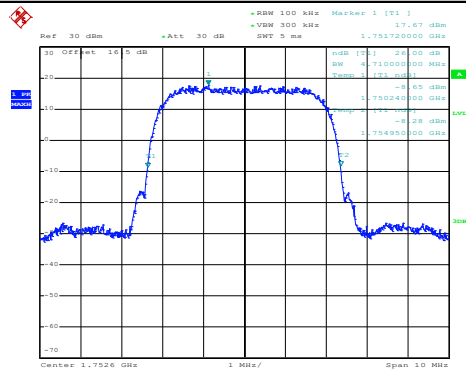
Date: 28.AUG.2026 12:18:21

Middle Channel



Date: 28.AUG.2026 12:19:19

Highest Channel



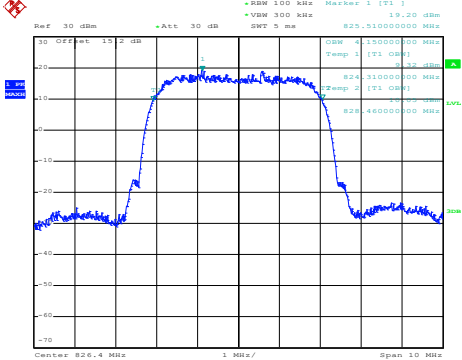
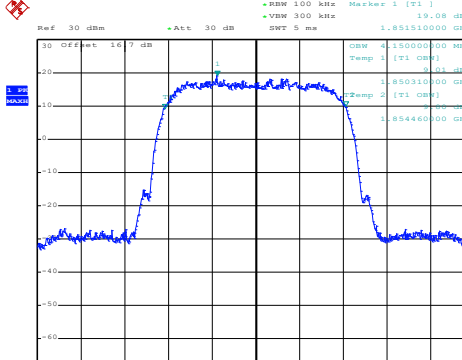
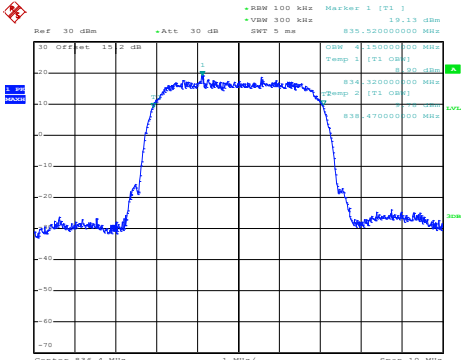
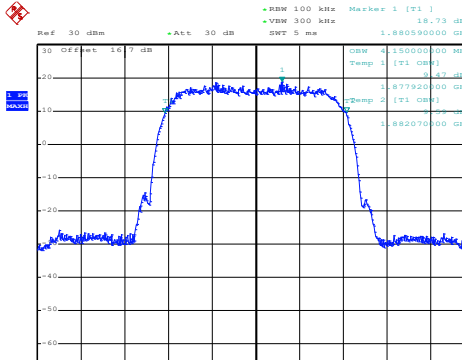
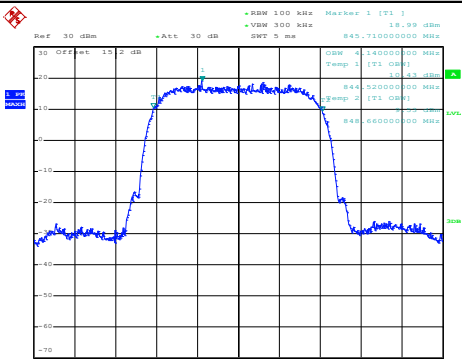
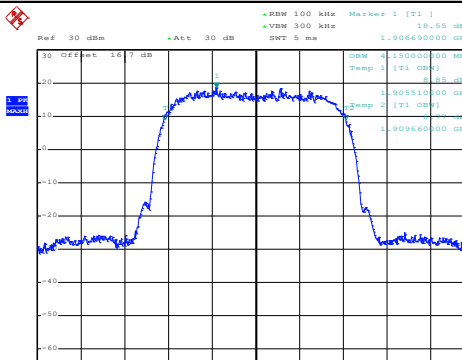
Date: 28.AUG.2026 12:20:02



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	4.15	4.15	4.15
Middle CH	4.15	4.15	4.15
Highest CH	4.14	4.15	4.15

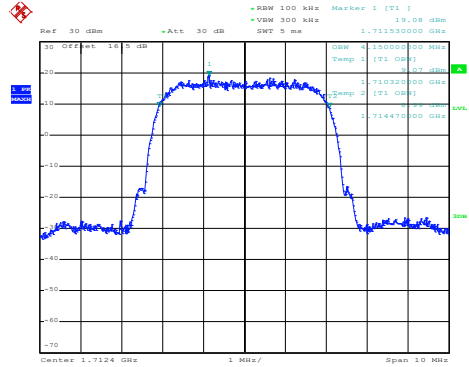


WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	Lowest Channel
 Date: 28.AUG.2026 12:42:45	 Date: 28.AUG.2026 11:44:39
Middle Channel	Middle Channel
 Date: 28.AUG.2026 12:43:31	 Date: 28.AUG.2026 11:45:32
Highest Channel	Highest Channel
 Date: 28.AUG.2026 12:44:13	 Date: 28.AUG.2026 11:46:14



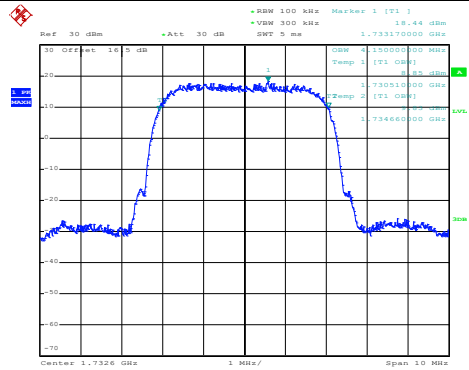
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



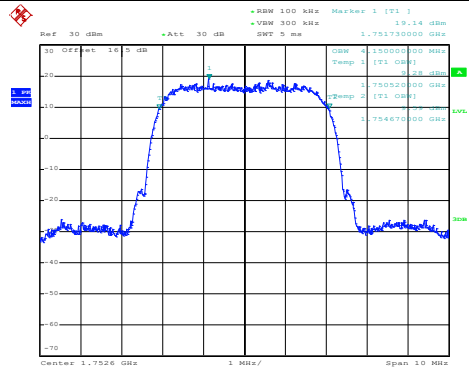
Date: 28.AUG.2026 12:24:03

Middle Channel

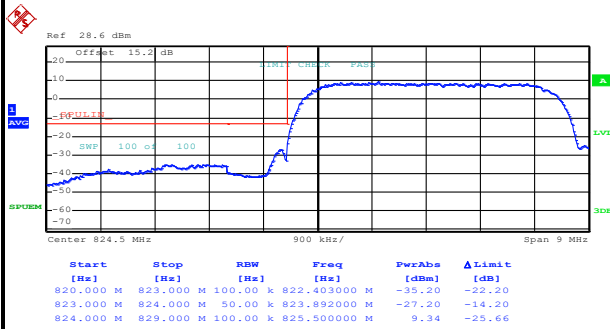


Date: 28.AUG.2026 12:24:44

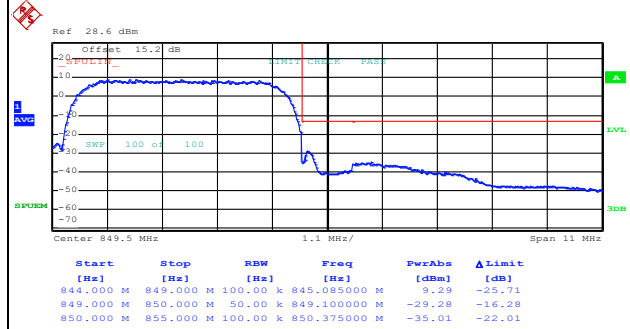
Highest Channel



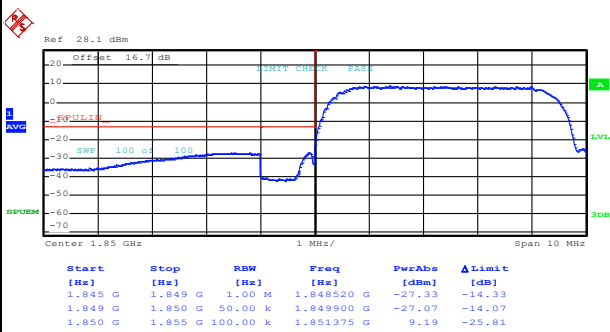
Date: 28.AUG.2026 12:25:24

**Conducted Band Edge****WCDMA Band V (RMC 12.2Kbps)****Lowest Band Edge**

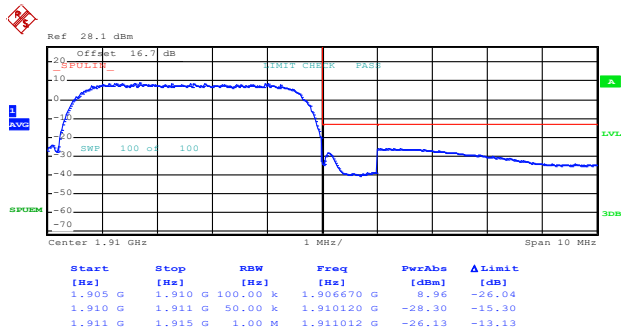
Date: 28.AUG.2026 12:48:09

Highest Band Edge

Date: 28.AUG.2026 12:51:13

WCDMA Band II (RMC 12.2Kbps)**Lowest Band Edge**

Date: 28.AUG.2026 11:49:21

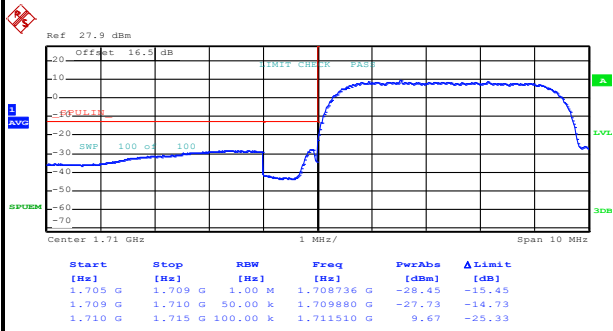
Highest Band Edge

Date: 28.AUG.2026 11:52:17



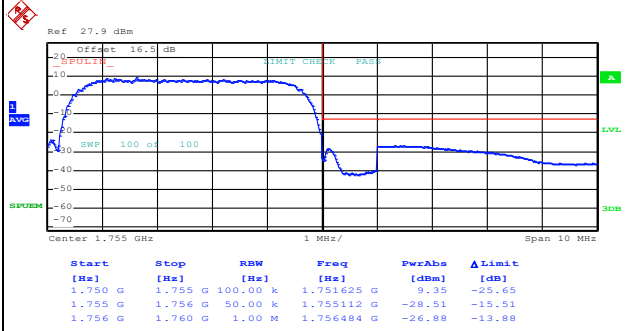
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

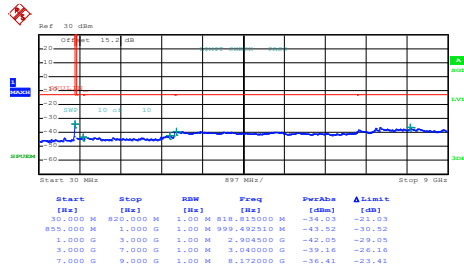


Date: 28.AUG.2026 12:28:30

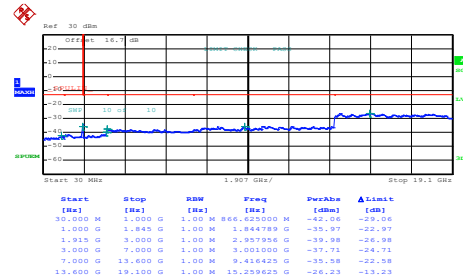
Highest Band Edge



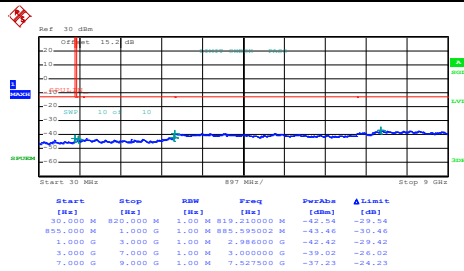
Date: 28.AUG.2026 12:32:05

**Conducted Spurious Emission****WCDMA Band V (RMC 12.2Kbps)****Lowest Channel**

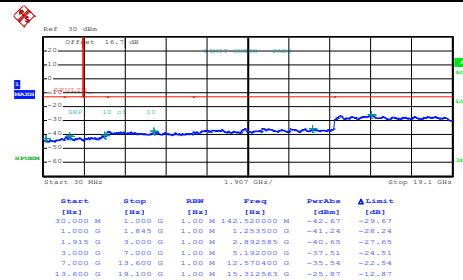
Date: 28.AUG.2026 12:52:18

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

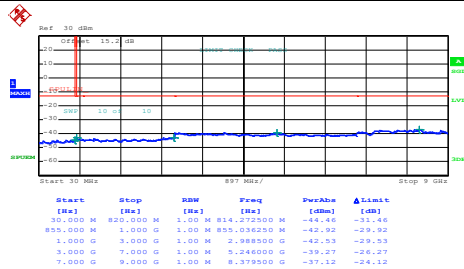
Date: 28.AUG.2026 11:55:24

Middle Channel

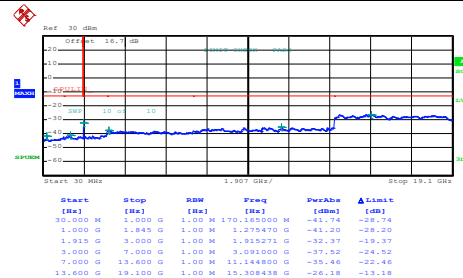
Date: 28.AUG.2026 12:53:25

Middle Channel

Date: 28.AUG.2026 11:57:18

Highest Channel

Date: 28.AUG.2026 12:54:25

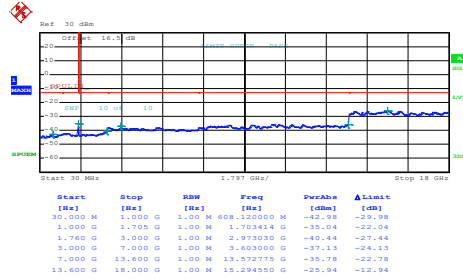
Highest Channel

Date: 28.AUG.2026 11:58:15



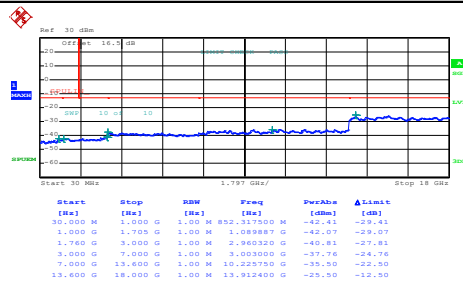
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



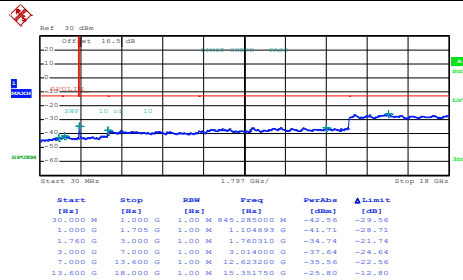
Date: 28.AUG.2026 12:34:15

Middle Channel



Date: 28.AUG.2026 12:35:23

Highest Channel



Date: 28.AUG.2026 12:36:25

Frequency Stability

Test Conditions		WCDMA Band V (RMC 12.2Kbps) / Middle Channel			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Deviation (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0048	-4	Yes	PASS
40	Normal Voltage	0.0024	-2	Yes	
30	Normal Voltage	0.0012	-1	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0012	1	Yes	
0	Normal Voltage	0.0155	13	Yes	
-10	Normal Voltage	0.0143	12	Yes	
-20	Normal Voltage	0.0167	-14	Yes	
-30	Normal Voltage	0.0024	-2	Yes	
20	Maximum Voltage	0.0132	11	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0143	12	Yes	

Note:

1. Normal Voltage = 3.81 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.53 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 12.2Kbps) / Middle Channel			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Deviation (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0096	18	Yes	PASS
40	Normal Voltage	0.0074	14	Yes	
30	Normal Voltage	0.0021	-4	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0085	16	Yes	
0	Normal Voltage	0.0085	16	Yes	
-10	Normal Voltage	0.0154	29	Yes	
-20	Normal Voltage	0.0133	25	Yes	
-30	Normal Voltage	0.0069	13	Yes	
20	Maximum Voltage	0.0112	21	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0090	17	Yes	

Note:

1. Normal Voltage = 3.81 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.53 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 12.2Kbps) / Middle Channel			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Deviation (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0035	6	Yes	PASS
40	Normal Voltage	0.0023	4	Yes	
30	Normal Voltage	0.0063	-11	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0023	4	Yes	
0	Normal Voltage	0.0035	6	Yes	
-10	Normal Voltage	0.0058	10	Yes	
-20	Normal Voltage	0.0081	14	Yes	
-30	Normal Voltage	0.0069	-12	Yes	
20	Maximum Voltage	0.0052	9	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0046	8	Yes	

Note:

1. Normal Voltage = 3.81 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.53 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 :	Ken Kuo, York Huang, Vic Li	Temperature :	21.3 ~ 25.2°C
		Relative Humidity :	54.7 ~ 61.3%



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	GSM 850	M	2509	-50.73	RMS	27.29	-24.31	0.90	-95.23	40.62	-13.00	-37.73	H	Ant 0
2	Part 22H	EDGE 850	M	3345	-63.81	RMS	28.40	-23.50	0.85	-95.23	25.67	-13.00	-50.81	H	Ant 0
3	Part 22H	WCDMA B5	M	3345	-64.03	RMS	28.40	-23.50	0.85	-95.23	25.45	-13.00	-51.03	H	Ant 0
12	Part 24E	GSM 1900	M	5640	-50.37	RMS	33.40	-22.11	1.44	-95.23	32.13	-13.00	-37.37	H	Ant 0
13	Part 24E	EDGE 1900	M	7520	-55.26	RMS	37.22	-21.89	1.11	-95.23	23.53	-13.00	-42.26	H	Ant 0
14	Part 24E	WCDMA B2	M	7520	-54.97	RMS	37.22	-21.89	1.11	-95.23	23.82	-13.00	-41.97	H	Ant 0
33	Part 27L	WCDMA B4	M	6930	-55.68	RMS	36.74	-22.03	1.07	-95.23	23.77	-13.00	-42.68	H	Ant 0

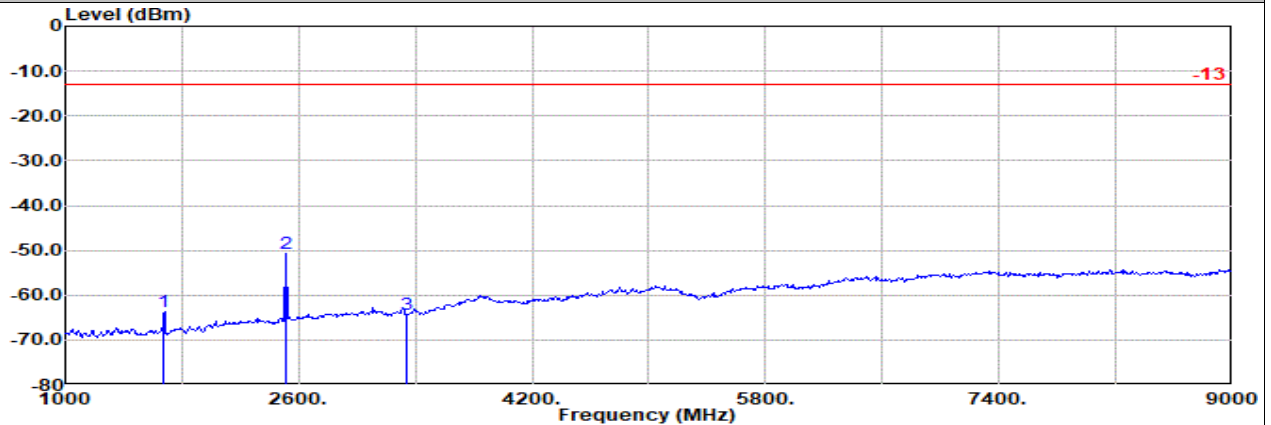


Ant 0

Part 22H Mode 1

GSM 850 Ch189

M

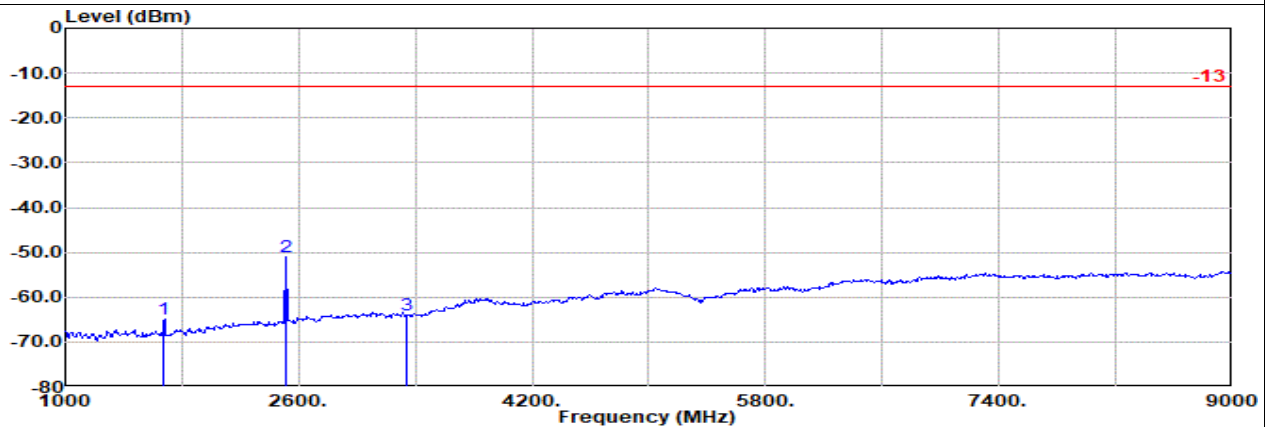


Site : 03CH22-HY

Condition: -13 3m DRH18-E_LE2C04A18EN_260520 Horizontal

: GSM 850 CH189

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	1672.00	-63.69	RMS	24.80	-25.26	1.09	-95.23	30.91	-13.00	-50.69 Horizontal
2	2509.00	-50.73	RMS	27.29	-24.31	0.90	-95.23	40.62	-13.00	-37.73 Horizontal
3	3345.00	-64.37	RMS	28.40	-23.50	0.85	-95.23	25.11	-13.00	-51.37 Horizontal



Site : 03CH22-HY

Condition: -13 3m DRH18-E_LE2C04A18EN_260520 Vertical

: GSM 850 CH189

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	1672.00	-64.96	RMS	24.80	-25.26	1.09	-95.23	29.64	-13.00	-51.96 Vertical
2	2509.00	-50.92	RMS	27.29	-24.31	0.90	-95.23	40.43	-13.00	-37.92 Vertical
3	3345.00	-64.07	RMS	28.40	-23.50	0.85	-95.23	25.41	-13.00	-51.07 Vertical

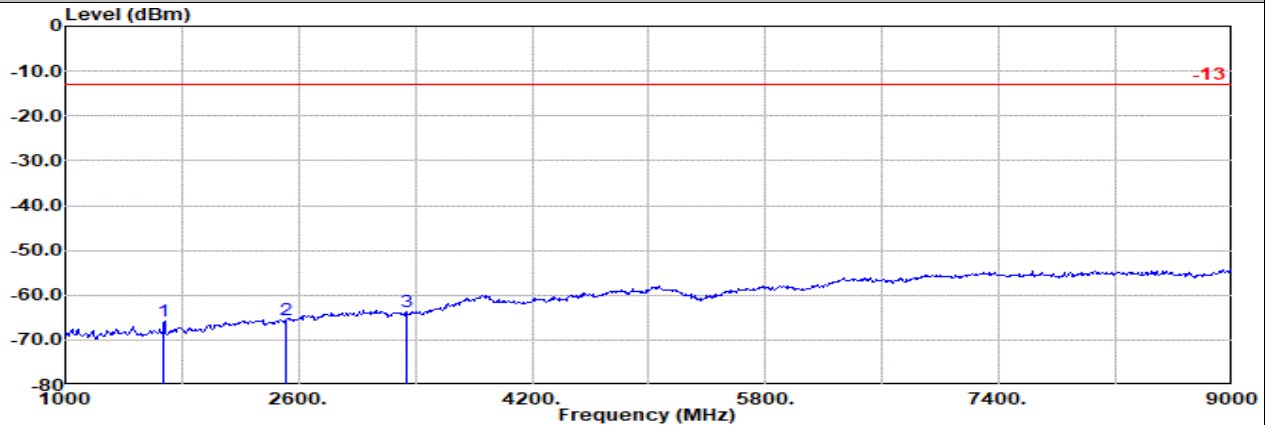


Ant 0

Part 22H Mode 2

EDGE 850 Ch189

M

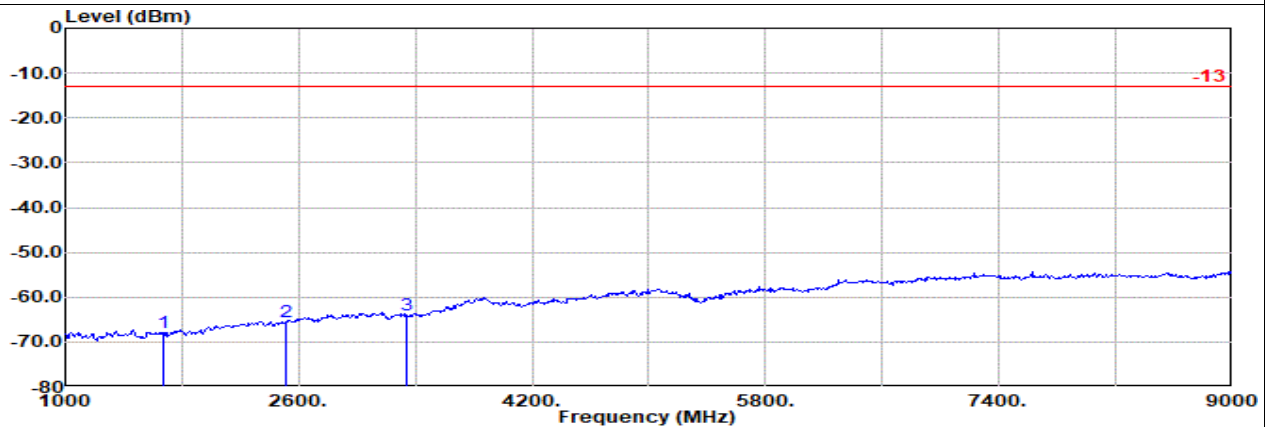


Site : 03CH22-HY

Condition: -13 3m DRH18-E_LE2C04A18EN_260520 Horizontal

: EDGE 850 CH189

	Freq Level		Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		Factor	1			g			
1	1672.00	-65.77	RMS	24.80	-25.26	1.09	-95.23	28.83	-13.00	-52.77	Horizontal
2	2509.00	-65.39	RMS	27.29	-24.31	0.90	-95.23	25.96	-13.00	-52.39	Horizontal
3	3345.00	-63.81	RMS	28.40	-23.50	0.85	-95.23	25.67	-13.00	-50.81	Horizontal



Site : 03CH22-HY

Condition: -13 3m DRH18-E_LE2C04A18EN_260520 Vertical

: EDGE 850 CH189

	Freq Level		Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		Factor	1			g			
1	1672.00	-67.99	RMS	24.80	-25.26	1.09	-95.23	26.61	-13.00	-54.99	Vertical
2	2509.00	-65.57	RMS	27.29	-24.31	0.90	-95.23	25.78	-13.00	-52.57	Vertical
3	3345.00	-63.95	RMS	28.40	-23.50	0.85	-95.23	25.53	-13.00	-50.95	Vertical

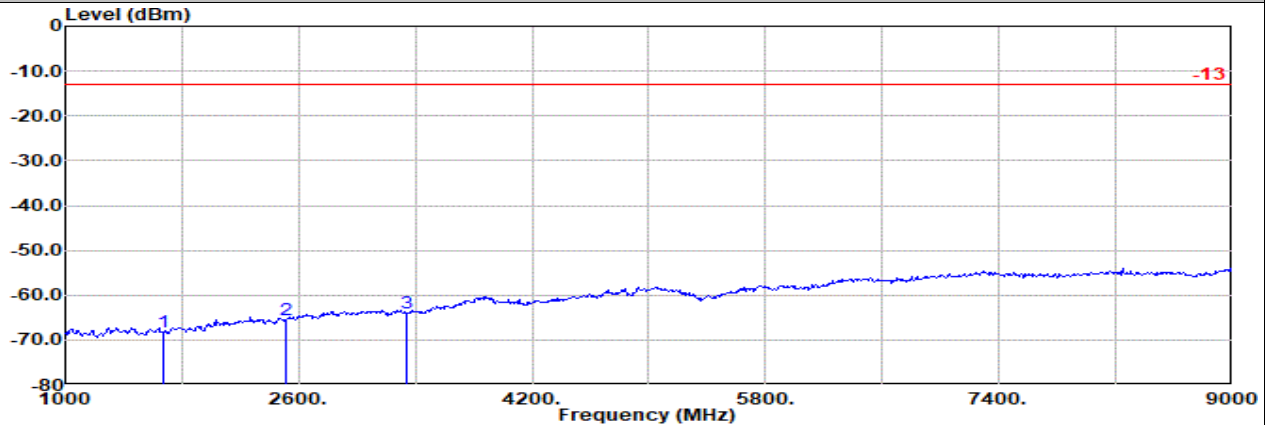


Ant 0

Part 22H Mode 3

WCDMA B5 Ch4182

M

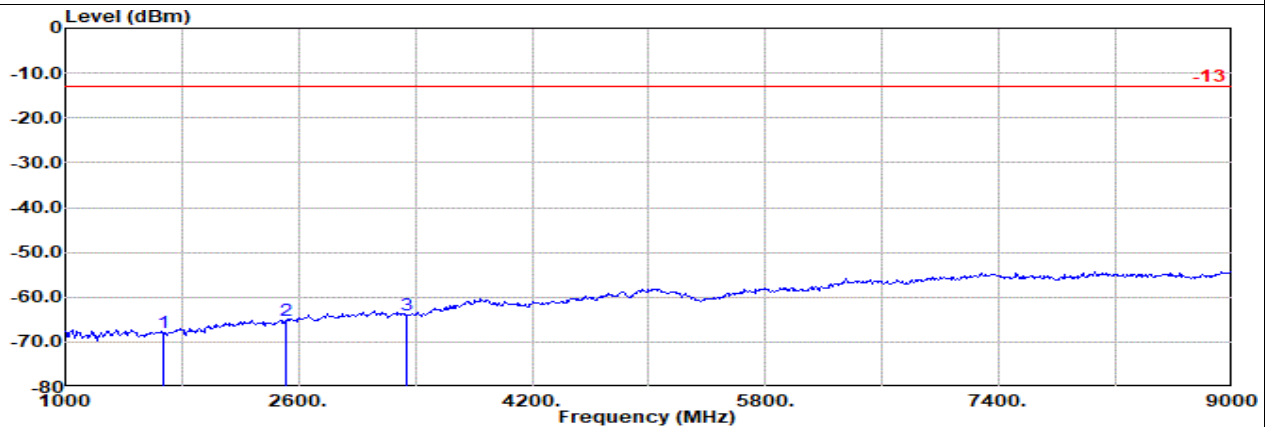


Site : 03CH22-HY

Condition: -13 3m DRH18-E_LE2C04A18EN_260520 Horizontal

: WCDMA B5 Ch4182

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	l			g			
	MHz	dBm		dB/m	dB	dB		dBuV	dBm		
1	1672.00	-68.08	RMS	24.80	-25.26	1.09	-95.23	26.52	-13.00	-55.08	Horizontal
2	2509.00	-65.48	RMS	27.29	-24.31	0.90	-95.23	25.87	-13.00	-52.48	Horizontal
3	3345.00	-64.03	RMS	28.40	-23.50	0.85	-95.23	25.45	-13.00	-51.03	Horizontal



Site : 03CH22-HY

Condition: -13 3m DRH18-E_LE2C04A18EN_260520 Vertical

: WCDMA B5 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	-67.98	RMS	24.80	-25.26	1.09	-95.23	26.62	-13.00	-54.98	Vertical
2	2509.00	-65.16	RMS	27.29	-24.31	0.90	-95.23	26.19	-13.00	-52.16	Vertical
3	3345.00	-64.13	RMS	28.40	-23.50	0.85	-95.23	25.35	-13.00	-51.13	Vertical

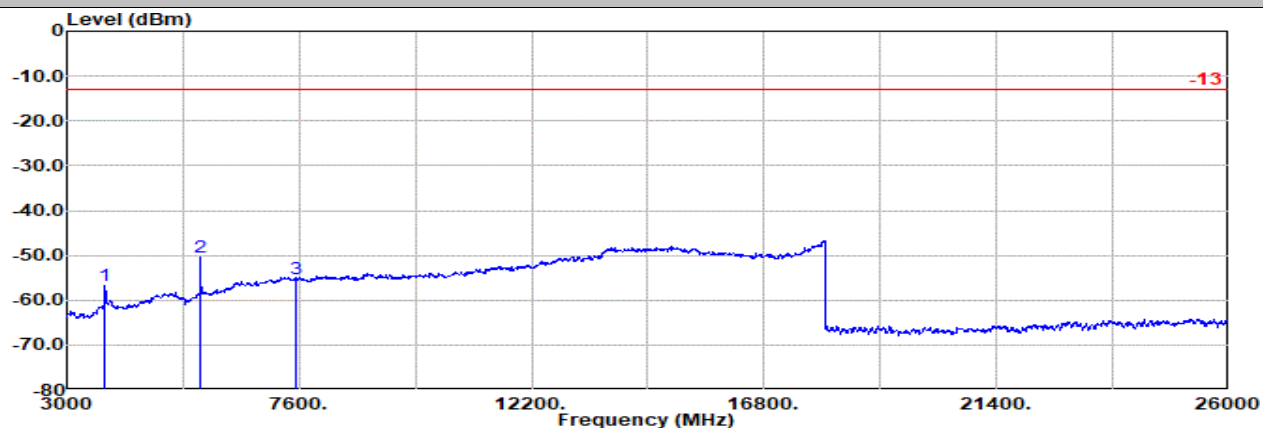


Ant 0

Part 24E Mode 12

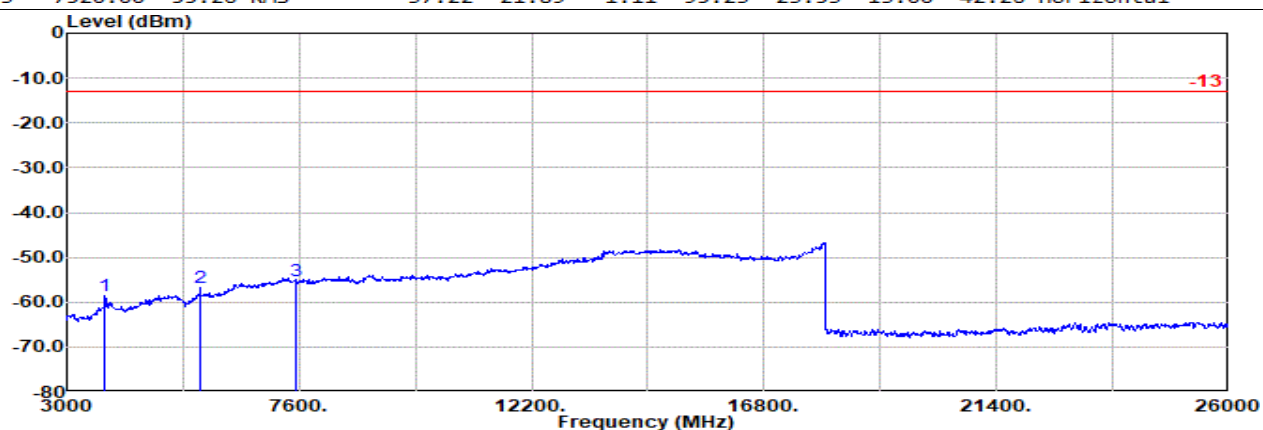
GSM 1900 Ch661

M



Site : 03CH22-HY
Condition: -13 1m SHF_1225_260812 Horizontal
: PCS 1900 Ch661

	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	3760.00	-56.66	RMS	30.24	-23.18	1.30	-95.23	30.21	-13.00	-43.66	Horizontal
2	5640.00	-50.37	RMS	33.40	-22.11	1.44	-95.23	32.13	-13.00	-37.37	Horizontal
3	7520.00	-55.26	RMS	37.22	-21.89	1.11	-95.23	23.53	-13.00	-42.26	Horizontal



Site : 03CH22-HY
Condition: -13 1m SHF_1225_260812 Vertical
: PCS 1900 Ch661

	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	3760.00	-58.63	RMS	30.24	-23.18	1.30	-95.23	28.24	-13.00	-45.63	Vertical
2	5640.00	-56.63	RMS	33.40	-22.11	1.44	-95.23	25.87	-13.00	-43.63	Vertical
3	7520.00	-55.23	RMS	37.22	-21.89	1.11	-95.23	23.56	-13.00	-42.23	Vertical

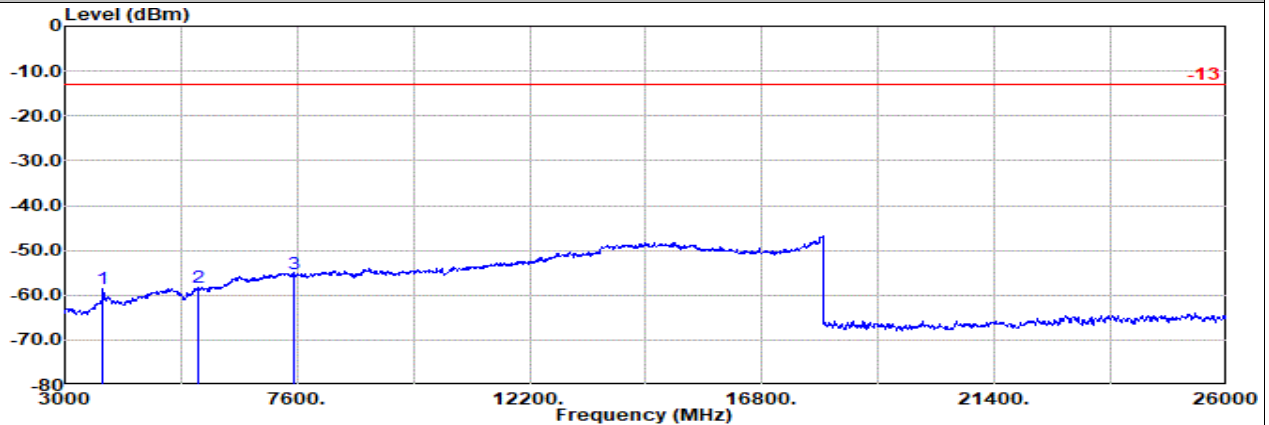


Ant 0

Part 24E Mode 13

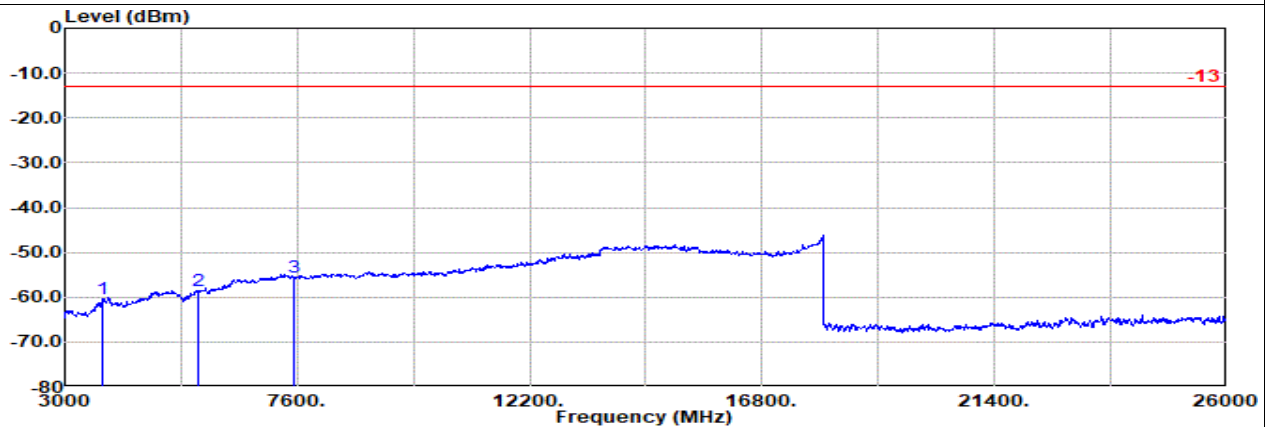
EDGE 1900 Ch661

M



Site : 03CH22-HY
Condition: -13 1m SHF_1225_260812 Horizontal
EDGE 1880 Ch661

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit		Margin	Pol
				Factor	1			dBuV	dBm		
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3760.00	-58.62	RMS	30.24	-23.18	1.30	-95.23	28.25	-13.00	-45.62	Horizontal
2	5640.00	-58.26	RMS	33.40	-22.11	1.44	-95.23	24.24	-13.00	-45.26	Horizontal
3	7520.00	-55.26	RMS	37.22	-21.89	1.11	-95.23	23.53	-13.00	-42.26	Horizontal



Site : 03CH22-HY
Condition: -13 1m SHF_1225_260812 Vertical
EDGE 1880 Ch661

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit		Margin	Pol
				Factor	1			dBuV	dBm		
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3760.00	-60.49	RMS	30.24	-23.18	1.30	-95.23	26.38	-13.00	-47.49	Vertical
2	5640.00	-58.71	RMS	33.40	-22.11	1.44	-95.23	23.79	-13.00	-45.71	Vertical
3	7520.00	-55.55	RMS	37.22	-21.89	1.11	-95.23	23.24	-13.00	-42.55	Vertical

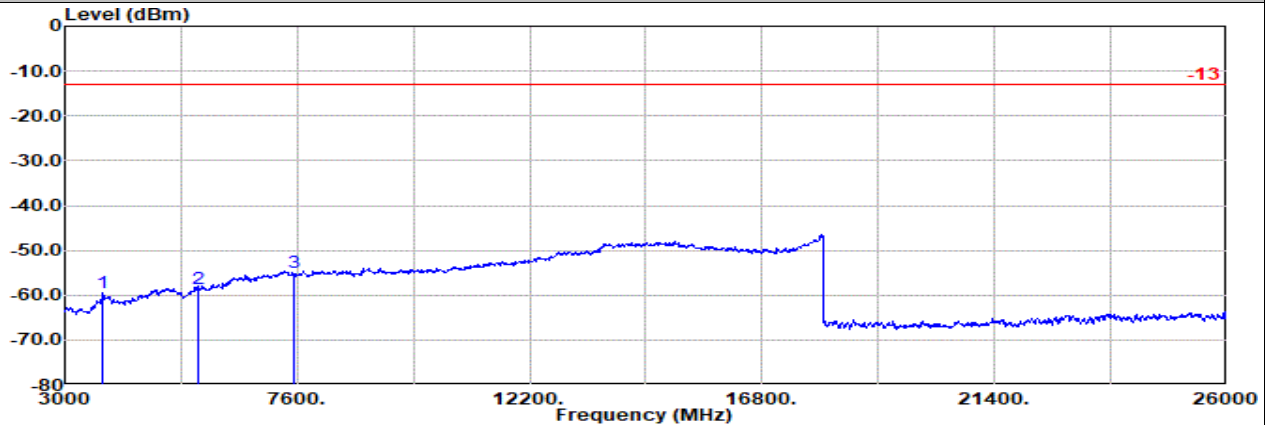


Ant 0

Part 24E Mode 14

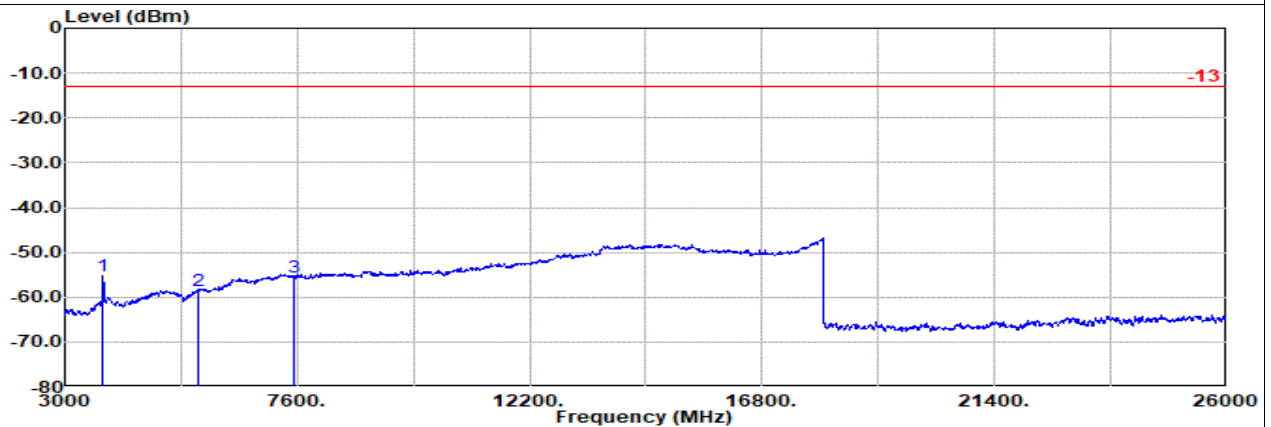
WCDMA B2 Ch9400

M



Site : 03CH22-HY
Condition: -13 1m SHF_1225_260812 Horizontal
: WCDMA B2 Ch9400

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit		Margin	Pol
				Factor	1			g			
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	3760.00	-59.42	RMS		30.24	-23.18	1.30	-95.23	27.45	-13.00	-46.42 Horizontal
2	5640.00	-58.48	RMS		33.40	-22.11	1.44	-95.23	24.02	-13.00	-45.48 Horizontal
3	7520.00	-54.97	RMS		37.22	-21.89	1.11	-95.23	23.82	-13.00	-41.97 Horizontal



Site : 03CH22-HY
Condition: -13 1m SHF_1225_260812 Vertical
: WCDMA B2 Ch9400

	Freq	Level	Detector	Factor	Ant Amp\Cb Filter		EIRPCF	Reading	Limit		Margin	Pol
					1				g			
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3760.00	-55.29	RMS		30.24	-23.18	1.30	-95.23	31.58	-13.00	-42.29 Vertical	
2	5640.00	-58.44	RMS		33.40	-22.11	1.44	-95.23	24.06	-13.00	-45.44 Vertical	
3	7520.00	-55.41	RMS		37.22	-21.89	1.11	-95.23	23.38	-13.00	-42.41 Vertical	

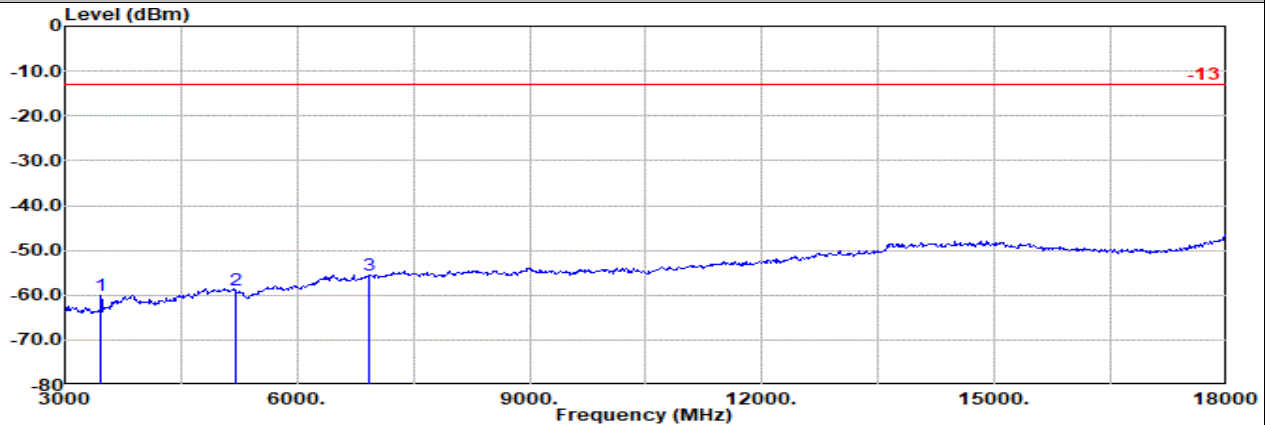


Ant 0

Part 27L Mode 33

WCDMA B4 Ch1413

M

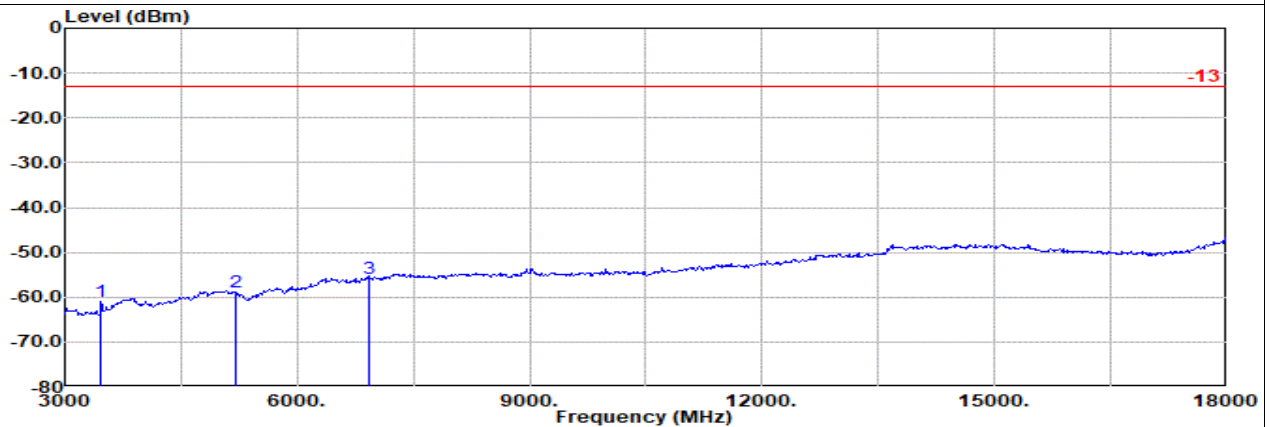


Site : 03CH22-HY

Condition: -13 3m DRH18-E_LE2C04A18EN_260520 Horizontal

: WCDMA B4 Ch1413

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	3465.00	-60.11	RMS	28.86	-23.44	1.22	-95.23	28.48	-13.00	-47.11	Horizontal			
2	5197.00	-58.97	RMS	32.79	-21.82	1.06	-95.23	24.23	-13.00	-45.97	Horizontal			
3	6930.00	-55.68	RMS	36.74	-22.03	1.07	-95.23	23.77	-13.00	-42.68	Horizontal			



Site : 03CH22-HY

Condition: -13 3m DRH18-E_LE2C04A18EN_260520 Vertical

: WCDMA B4 Ch1413

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	3465.00	-61.10	RMS	28.86	-23.44	1.22	-95.23	27.49	-13.00	-48.10	Vertical			
2	5197.00	-58.98	RMS	32.79	-21.82	1.06	-95.23	24.22	-13.00	-45.98	Vertical			
3	6930.00	-55.74	RMS	36.74	-22.03	1.07	-95.23	23.71	-13.00	-42.74	Vertical			

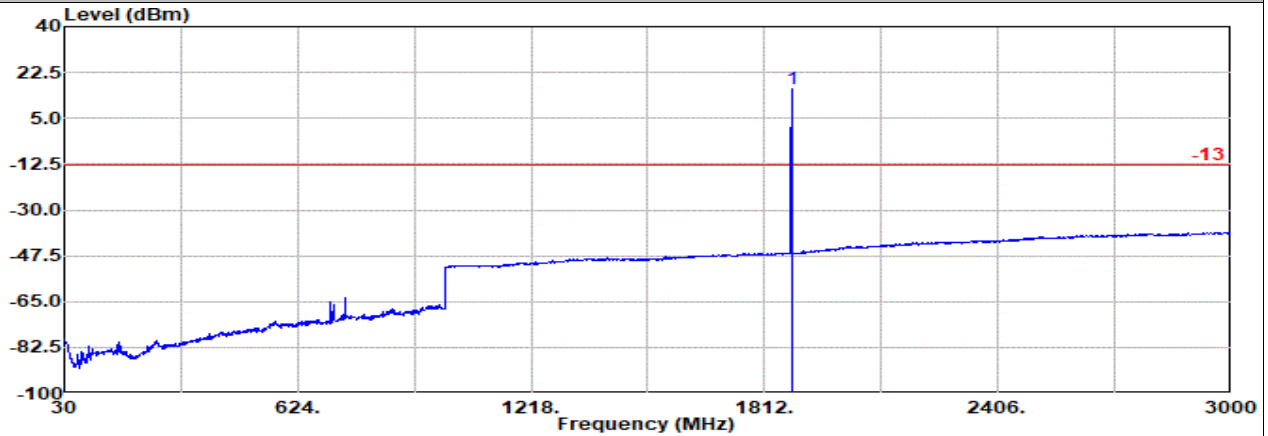


Ant 0

Part 24E Mode 12

GSM 1900 Ch661

M



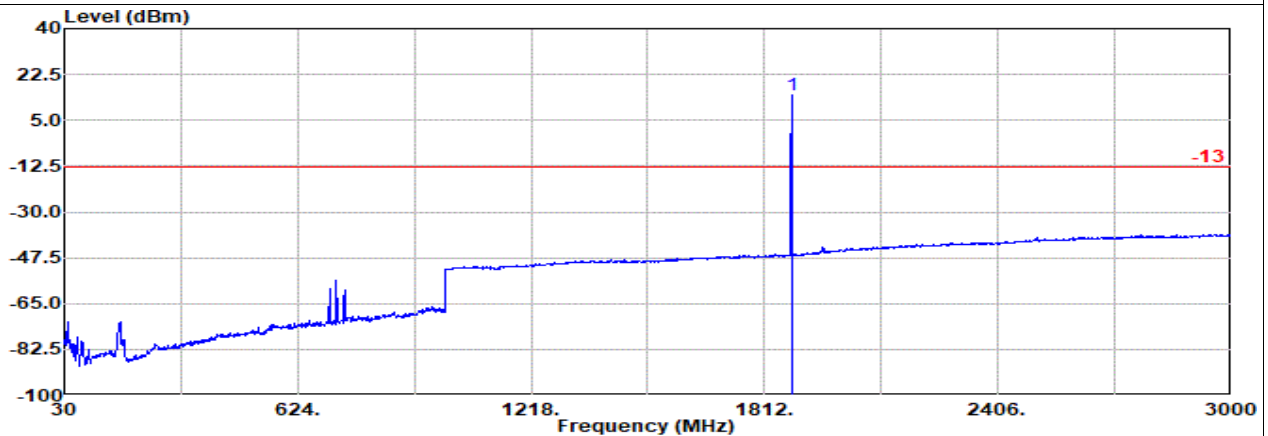
Site : 03CH22-HY

Condition: -13 3m Bilog_63304_251126 Horizontal

: PCS 1900 Ch661

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			1			g			
1	1880.00	16.32	RMS	25.30	7.07	0.58	-95.23	78.60	-13.00	29.32	Horizontal



Site : 03CH22-HY

Condition: -13 3m Bilog_63304_251126 Vertical

: PCS 1900 Ch661

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			1			g			
1	1880.00	14.45	RMS	25.30	7.07	0.58	-95.23	76.73	-13.00	27.45	Vertical