



FCC RADIO TEST REPORT

FCC ID : PY7-52715J
Equipment : GSM/WCDMA/LTE Phone with BT, DTS/UNII
a/b/g/n/ac/ax, NFC and GNSS
Brand Name : Sony
Applicant : Sony Corporation
1-7-1 Konan, Minato-ku , Tokyo, Japan 108-0075
Manufacturer : Sony Corporation
1-7-1 Konan, Minato-ku , Tokyo, Japan 108-0075
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27(L)

The product was received on Feb. 03, 2026 and testing was performed from Apr. 09, 2026 to Mar. 23, 2026. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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



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History of this test report

Report No.	Version	Description	Issue Date
FG620306A	01	Initial issue of report	Jun. 29, 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)		
	§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 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 IV)	Pass	-
3.6	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g)	Conducted Emission (GSM850) (WCDMA Band V) (GSM1900) (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 (GSM850) (WCDMA Band V) (GSM1900) (WCDMA Band IV)	Pass	20.18 dB under the limit at 2509 MHz

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Keven Cheng

Report Producer: Yuri Huang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Specification subject to this standard	
General Specs	GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, NFC and BDS/Galileo/GLONASS/GPS.
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS / Glonass / BDS / Galileo: PIFA Antenna NFC: LOOP Antenna

Support band and evaluated information	
Supported band	GSM850(GPRG850/EDGE850), GSM 1900(GPRS1900/EDGE 1900) WCDMA B4,B5
Evaluated and Tested band	GSM850(GPRG850/EDGE850), GSM 1900(GPRS1900/EDGE 1900) WCDMA B4,B5

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

Max Antenna Gain information(dBi)							
Band	Ant 0	Ant 1					Main Ant. #
GSM850	-2						0
GSM1900		1.1					1
WCDMA B4		0.7					1
WCDMA B5	-2						0

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

EUT Information List			
HW Version	SW Version	S/N	Performed Test Item
A	0.27	SOBBBAG0AWD0001A SOBBBAGJ38C00022	Conducted Measurement ERP/EIRP
	0.27	SOBBBAG0AWC00011 SOBBBAG0AWC00073	Radiated Spurious Emission

Specification of Accessory		
AC Adapter	Brand Name	Sony
	Model Name	XQZ-UC1
Earphone	Brand Name	Sony
	Model Name	MDR-EX15AP
USB Cable 1	Brand Name	Sony
	Model Name	XQZ-UB1
USB Cable 2	Brand Name	Sony
	Model Name	UCB20

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory	
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855	
Test Site No.	Sporton Site No.	
	TH05-HY	03CH12-HY
Test Engineer	Wei Shun Hung	Tim Lee, Wilson Wu, and Gerry Wei
Temperature (°C)	19.6-21.5	20~25
Relative Humidity (%)	60.1-62.7	50~60

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
- ♦ ANSI / TIA-603-E
- ♦ FCC 47 CFR Part 2, 22(H), 24(E), 27(L)
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. 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:

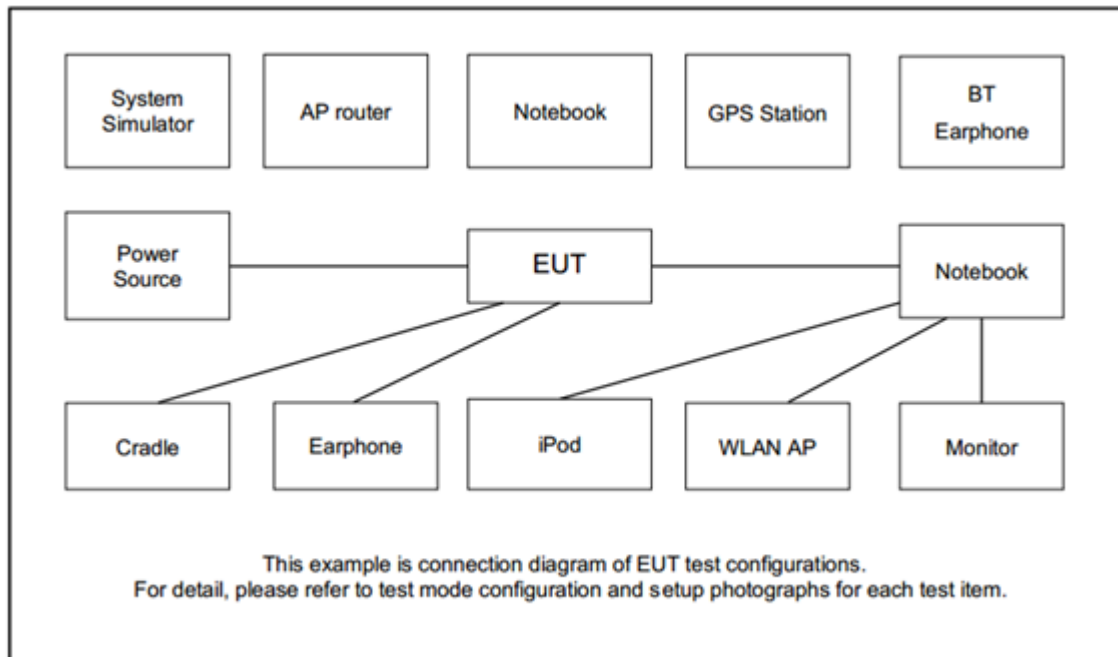
1. 30 MHz to 9000 MHz for GSM850 and WCDMA Band V
2. 30 MHz to 18000 MHz for WCDMA Band IV
3. 30 MHz to 19100 MHz for GSM1900

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	■ GPRS Class 8 Link	■ GPRS Class 8 Link
	■ EDGE Class 8 Link	■ EDGE Class 8 Link
GSM1900	■ GPRS Class 8 Link	■ GPRS Class 8 Link
	■ EDGE Class 8 Link	■ EDGE Class 8 Link
WCDMA Band V	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link
WCDMA Band V	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Base Station	Anritsu	8821C	N/A	N/A	N/A
2.	Base Station	Manufacturer: Rohde & Schwarz	CMU200	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
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 IV	Channel	1312	1413	1513
	Frequency	1712.4	1732.6	1752.6

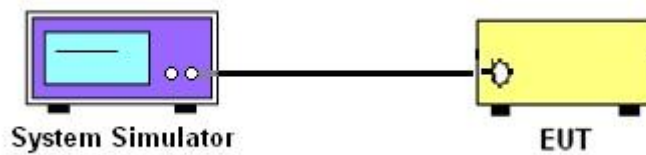
3 Conducted Test Result

3.1 Measuring Instruments

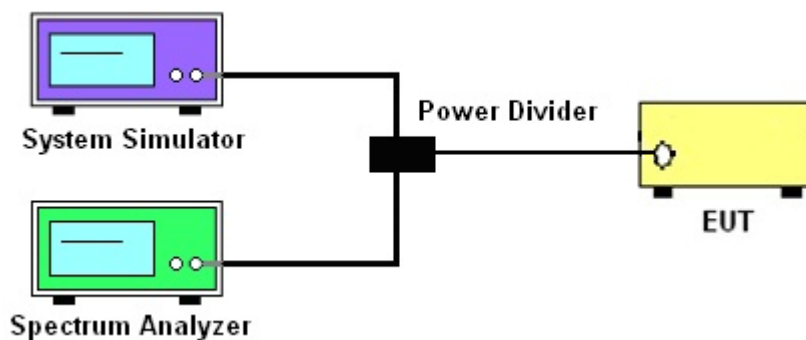
Please refer to the measuring equipment list in this test report.

3.1.1 Test Setup

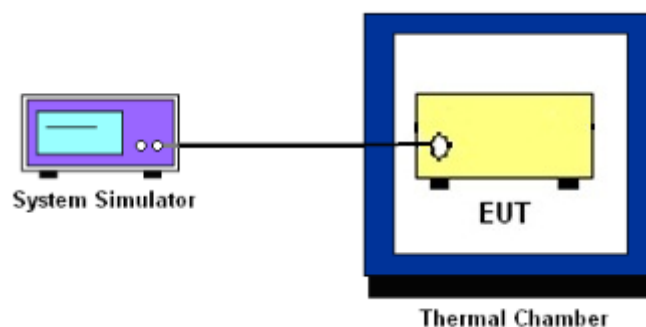
3.1.2 Conducted Output Power



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

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

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.2.2 Test Procedures

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



3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

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

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

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

3.4 99% Occupied Bandwidth and 26dB Bandwidth Measurement

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

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

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

3.4.2 Test Procedures

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

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



3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

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

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

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



3.6 Conducted Spurious Emission

3.6.1 Description of Conducted Spurious Emission Measurement

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

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

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

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

3.7 Frequency Stability

3.7.1 Description of Frequency Stability Measurement

22.355

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

24.235 & 27.54

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

3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

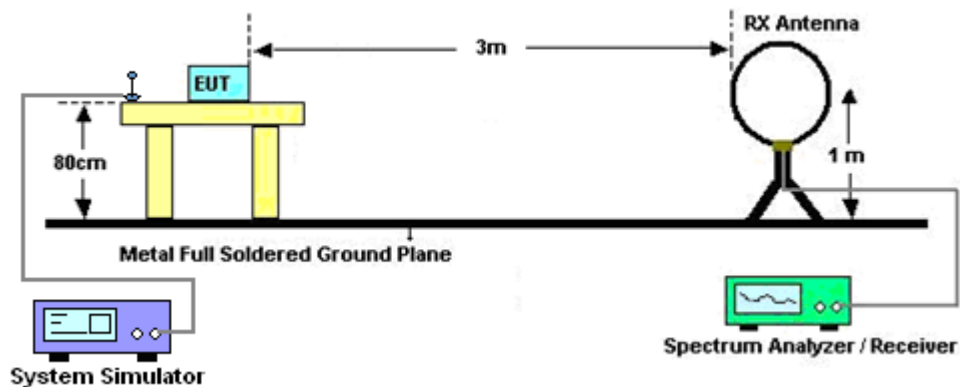
4 Radiated Test Items

4.1 Measuring Instruments

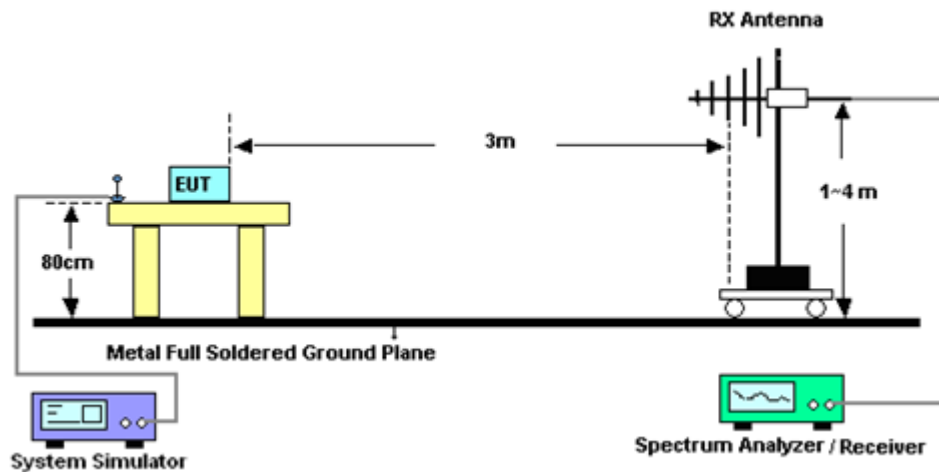
Please refer to the measuring equipment list in this test report.

4.2 Test Setup

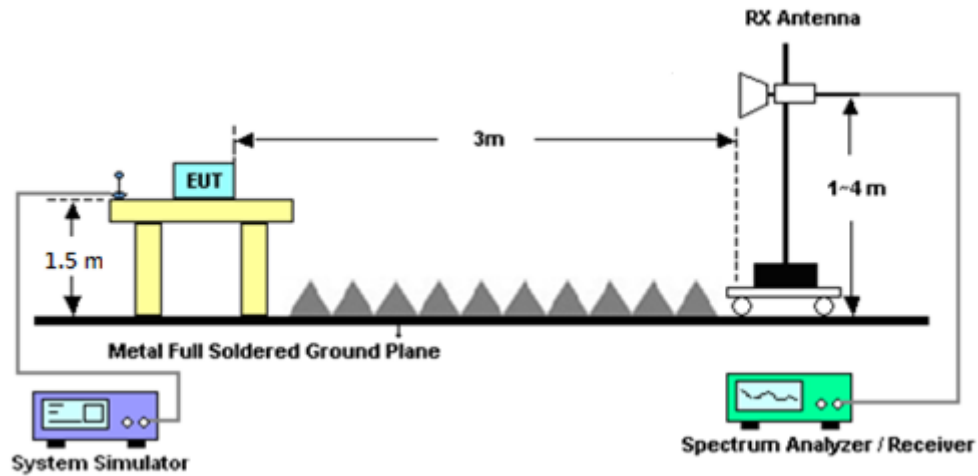
For radiated test below 30MHz



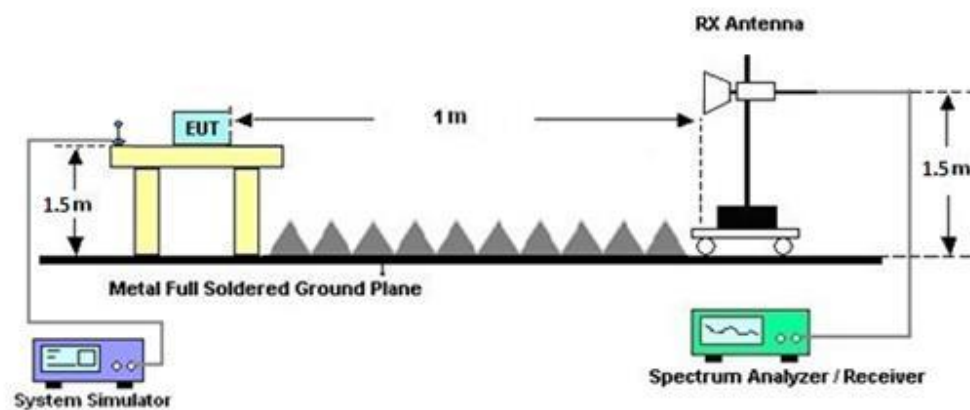
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.3 Test Result of Radiated Test

Please refer to Appendix B.

Note:

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

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

4.4 Field Strength of Spurious Radiation Measurement

4.4.1 Description of Field Strength of Spurious Radiated Measurement

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

4.4.2 Test Procedures

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

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



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 11, 2025	Apr. 09, 2026~ Apr. 10, 2026	Dec. 10, 2026	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	37059 & 01	30MHz~1GHz	Nov. 26, 2025	Apr. 09, 2026~ Apr. 10, 2026	Nov. 25, 2026	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Jul. 02, 2025	Apr. 09, 2026~ Apr. 10, 2026	Jul. 01, 2026	Radiation (03CH12-HY)
Amplifier	EMCI	EMC051845SE	980729	1-18GHz	Dec. 17, 2025	Apr. 09, 2026~ Apr. 10, 2026	Dec. 16, 2026	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Sep. 09, 2025	Apr. 09, 2026~ Apr. 10, 2026	Sep. 08, 2026	Radiation (03CH12-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz~26.5GHz	Sep. 08, 2025	Apr. 09, 2026~ Apr. 10, 2026	Sep. 07, 2026	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jul. 02, 2025	Apr. 09, 2026~ Apr. 10, 2026	Jul. 01, 2026	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1225	18GHz~40GHz	Jul. 02, 2025	Apr. 09, 2026~ Apr. 10, 2026	Jul. 01, 2026	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 02, 2025	Apr. 09, 2026~ Apr. 10, 2026	Dec. 01, 2026	Radiation (03CH12-HY)
Notch Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN111	1.53GHz Low Pass Filter	Nov. 04, 2025	Apr. 09, 2026~ Apr. 10, 2026	Nov. 03, 2026	Radiation (03CH12-HY)
Notch Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN2	3GHz High Pass Filter	Mar. 11, 2026	Apr. 09, 2026~ Apr. 10, 2026	Mar. 10, 2027	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803955/2	30MHz~40GHz	Oct. 31, 2025	Apr. 09, 2026~ Apr. 10, 2026	Oct. 30, 2026	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Oct. 31, 2025	Apr. 09, 2026~ Apr. 10, 2026	Oct. 30, 2026	Radiation (03CH12-HY)
RF Cable	EMCI	EMC101Y-KM-KM-1000	240905	30MHz~40GHz	Oct. 31, 2025	Apr. 09, 2026~ Apr. 10, 2026	Oct. 30, 2026	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLEX 104	EC-A5-300-5757,805935/4	9kHz~30MHz	Oct. 01, 2025	Apr. 09, 2026~ Apr. 10, 2026	Sep. 30, 2026	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP210090	N/A	Aug. 26, 2025	Apr. 09, 2026~ Apr. 10, 2026	Aug. 25, 2026	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Apr. 09, 2026~ Apr. 10, 2026	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Apr. 09, 2026~ Apr. 10, 2026	N/A	Radiation (03CH12-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6272278353	LTE FDD/TDD DLCA/ULCA	Oct. 28, 2025	Apr. 09, 2026~ Apr. 10, 2026	Oct. 27, 2026	Radiation (03CH12-HY)
Radio Communication Test Station	Anritsu	MT8000A	6262261912	N/A	May 07, 2025	Apr. 09, 2026~ Apr. 10, 2026	May 06, 2026	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Apr. 09, 2026~ Apr. 10, 2026	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Apr. 09, 2026~ Apr. 10, 2026	N/A	Radiation (03CH12-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	Rohde & Schwarz	FSP30	101329	9kHz~30GHz	Sep. 30, 2025	Mar.21.2026 – Mar.23.2026	Sep. 29, 2026	Conducted (TH05-HY)
Universal Digital Radio COMM. Tester	Rohde & Schwarz	CMU200	117995	GSM / GPRS / WCDMA / CDMA	Aug. 14, 2025	Mar.21.2026 – Mar.23.2026	Aug. 13, 2026	Conducted (TH05-HY)
DC Power Supply	GW Instek	GPE-2323	GEU871221	0V~64V ; 0A~6A	Apr. 14, 2025	Mar.21.2026 – Mar.23.2026	Apr. 13, 2026	Conducted (TH05-HY)
Temperature & Humidity Cabinet Chamber	ESPEC	SU-241	92003713	-30°C ~95°C	May 12, 2025	Mar.21.2026 – Mar.23.2026	May 11, 2026	Conducted (TH05-HY)
Hygrometer	TECPEL	DTM-303A	TP224371	N/A	Jun. 16, 2025	Mar.21.2026 – Mar.23.2026	Jun. 15, 2026	Conducted (TH05-HY)

6 Measurement Uncertainty

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9 dB
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Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

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

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

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

Appendix A. Test Results of Conducted Test

Conducted Output Power (Average power and ERP/EIRP)

GSM850 Maximum Average Power [dBm] (GT - LC = -2 dB)					
Channel	128	189	251	ERP (dBm)	ERP (W)
Frequency	824.2	836.4	848.8		
GSM 1 Tx slot	25.84	25.52	25.78	21.69	0.1476
GPRS 1 Tx slot	25.65	25.43	25.76		
GPRS 2 Tx slots	22.60	22.54	22.76		
GPRS 3 Tx slots	20.73	20.74	20.87		
GPRS 4 Tx slots	19.52	19.50	19.64		
EDGE 1 Tx slot	25.51	25.52	25.42	21.37	0.1371
EDGE 2 Tx slots	22.42	22.23	22.33		
EDGE 3 Tx slots	20.58	20.47	20.58		
EDGE 4 Tx slots	19.11	19.27	19.06		
Limit	ERP < 7W			Result	Pass

GSM1900 Maximum Average Power [dBm] (GT - LC = 1.1 dB)					
Channel	512	661	810	EIRP (dBm)	EIRP (W)
Frequency	1850.2	1880	1909.8		
GSM 1 Tx slot	25.66	25.48	25.66	26.81	0.4797
GPRS 1 Tx slot	25.70	25.49	25.71		
GPRS 2 Tx slots	22.51	22.50	22.52		
GPRS 3 Tx slots	20.85	20.64	20.90		
GPRS 4 Tx slots	19.33	19.12	19.40		
EDGE 1 Tx slot	25.40	25.37	25.32	26.50	0.4467
EDGE 2 Tx slots	22.66	22.68	22.67		
EDGE 3 Tx slots	20.84	20.75	20.88		
EDGE 4 Tx slots	19.26	19.16	19.26		
Limit	EIRP < 2W			Result	Pass

WCDMA Band V Maximum Average Power [dBm] (GT - LC = -2 dB)					
Channel	4132	4182	4233	ERP (dBm)	ERP (W)
Frequency	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	18.09	18.13	14.00	0.0251
3GPP Rel 99	RMC 12.2Kbps	18.12	18.15		
3GPP Rel 6	HSDPA Subtest-1	17.06	17.10		
3GPP Rel 6	HSDPA Subtest-2	17.11	17.09		
3GPP Rel 6	HSDPA Subtest-3	16.61	16.58		
3GPP Rel 6	HSDPA Subtest-4	16.58	16.59		
3GPP Rel 8	DC-HSDPA Subtest-1	16.99	17.05		
3GPP Rel 8	DC-HSDPA Subtest-2	17.04	17.07		
3GPP Rel 8	DC-HSDPA Subtest-3	16.57	16.56		
3GPP Rel 8	DC-HSDPA Subtest-4	16.51	16.54		
3GPP Rel 6	HSUPA Subtest-1	17.10	17.11		
3GPP Rel 6	HSUPA Subtest-2	15.11	15.09		
3GPP Rel 6	HSUPA Subtest-3	16.11	16.17		
3GPP Rel 6	HSUPA Subtest-4	15.11	15.18		
3GPP Rel 6	HSUPA Subtest-5	17.10	17.30		
Limit	ERP < 7W			Result	Pass

WCDMA Band IV Maximum Average Power [dBm] (GT - LC = 0.7 dB)					
Channel	1312	1413	1513	EIRP (dBm)	EIRP (W)
Frequency	1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	14.87	14.83	15.62	0.0365
3GPP Rel 99	RMC 12.2Kbps	14.92	14.88		
3GPP Rel 6	HSDPA Subtest-1	12.88	12.87		
3GPP Rel 6	HSDPA Subtest-2	12.88	12.83		
3GPP Rel 6	HSDPA Subtest-3	13.31	13.39		
3GPP Rel 6	HSDPA Subtest-4	13.35	13.37		
3GPP Rel 8	DC-HSDPA Subtest-1	12.85	12.81		
3GPP Rel 8	DC-HSDPA Subtest-2	12.83	12.76		
3GPP Rel 8	DC-HSDPA Subtest-3	13.23	13.29		
3GPP Rel 8	DC-HSDPA Subtest-4	13.28	13.28		
3GPP Rel 6	HSUPA Subtest-1	12.70	12.65		
3GPP Rel 6	HSUPA Subtest-2	11.93	11.87		
3GPP Rel 6	HSUPA Subtest-3	12.39	12.37		
3GPP Rel 6	HSUPA Subtest-4	11.87	11.87		
3GPP Rel 6	HSUPA Subtest-5	12.90	12.90		
Limit	EIRP < 1W			Result	Pass

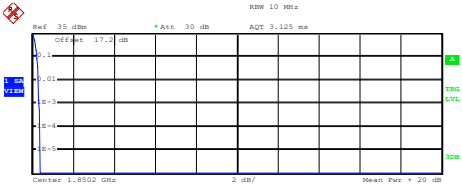
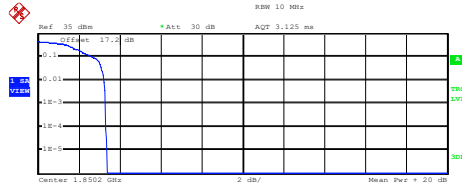
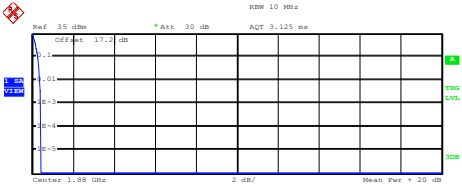
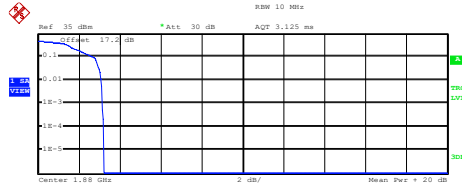
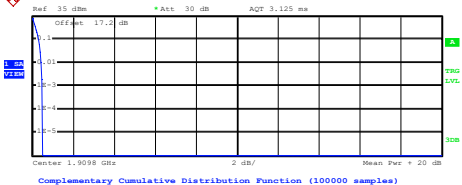
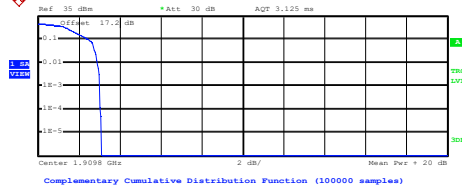
A1. GSM

Peak-to-Average Ratio

Mode	GSM850		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.32	3.00	PASS
Middle CH	0.36	3.08	
Highest CH	0.36	3.20	

Mode	GSM1900		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.32	3.32	PASS
Middle CH	0.44	3.16	
Highest CH	0.48	3.04	

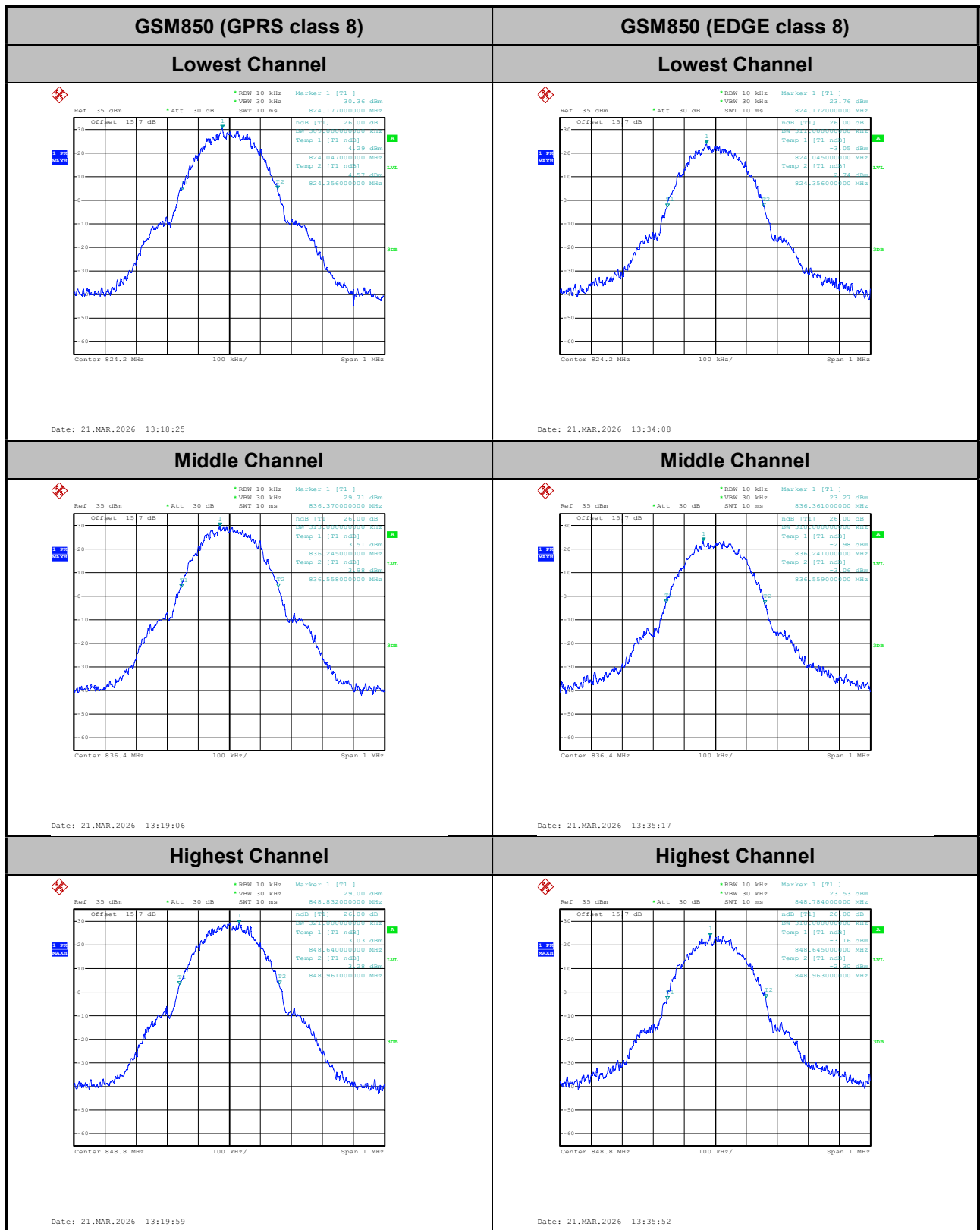
GSM850 (GPRS class 8)		GSM850 (EDGE class 8)	
Lowest Channel		Lowest Channel	
</			

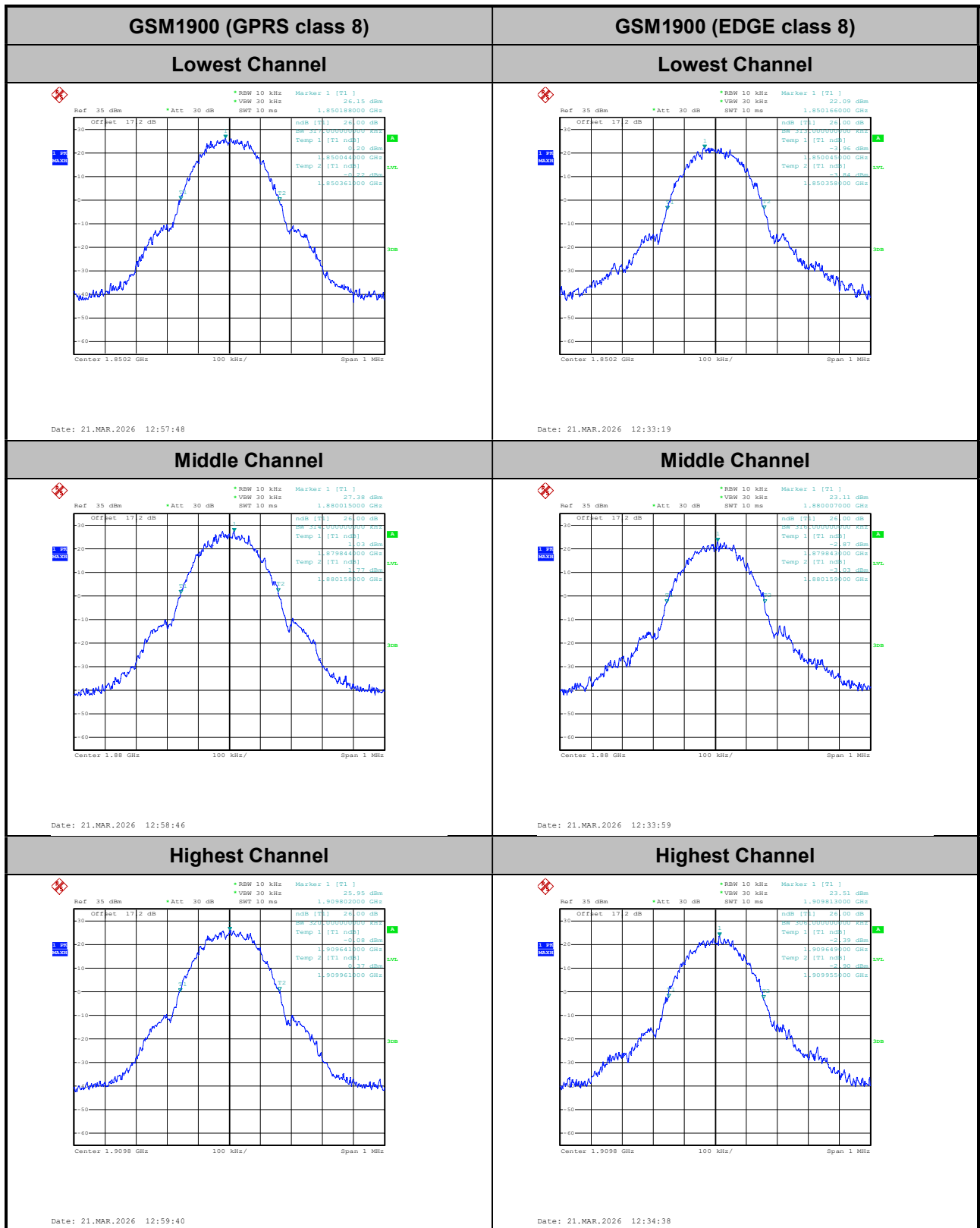
GSM1900 (GPRS class 8)		GSM1900 (EDGE class 8)	
Lowest Channel		Lowest Channel	
 Ref: 35 dBm *Att: 30 dB AGT: 3.125 ms Center 1.8502 GHz 2 dB/ Mean Pwr: +20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 29.20 dBm Peak 29.58 dBm Crest 0.38 dB 10 % 0.24 dB 1 % 0.32 dB .1 % 0.32 dB .01 % 0.40 dB Date: 21.MAR.2026 13:11:48		 Ref: 35 dBm *Att: 30 dB AGT: 3.125 ms Center 1.8502 GHz 2 dB/ Mean Pwr: +20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.72 dBm Peak 28.10 dBm Crest 3.38 dB 10 % 2.72 dB 1 % 3.24 dB .1 % 3.32 dB .01 % 3.32 dB Date: 21.MAR.2026 12:52:56	
Middle Channel		Middle Channel	
 Ref: 35 dBm *Att: 30 dB AGT: 3.125 ms Center 1.85 GHz 2 dB/ Mean Pwr: +20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 29.24 dBm Peak 29.65 dBm Crest 0.41 dB 10 % 0.28 dB 1 % 0.36 dB .1 % 0.44 dB .01 % 0.44 dB Date: 21.MAR.2026 13:12:46		 Ref: 35 dBm *Att: 30 dB AGT: 3.125 ms Center 1.85 GHz 2 dB/ Mean Pwr: +20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.88 dBm Peak 28.10 dBm Crest 3.22 dB 10 % 2.68 dB 1 % 3.08 dB .1 % 3.16 dB .01 % 3.24 dB Date: 21.MAR.2026 12:53:23	
Highest Channel		Highest Channel	
 Ref: 35 dBm *Att: 30 dB AGT: 3.125 ms Center 1.9098 GHz 2 dB/ Mean Pwr: +20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 29.23 dBm Peak 29.72 dBm Crest 0.49 dB 10 % 0.32 dB 1 % 0.44 dB .1 % 0.48 dB .01 % 0.52 dB Date: 21.MAR.2026 13:13:07		 Ref: 35 dBm *Att: 30 dB AGT: 3.125 ms Center 1.9098 GHz 2 dB/ Mean Pwr: +20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.92 dBm Peak 28.03 dBm Crest 3.10 dB 10 % 2.48 dB 1 % 2.92 dB .1 % 3.04 dB .01 % 3.04 dB Date: 21.MAR.2026 12:53:54	

**26dB Bandwidth**

Mode	GSM850 : 26dB BW(MHz)	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.309	0.311
Middle CH	0.313	0.318
Highest CH	0.321	0.318

Mode	GSM1900 : 26dB BW(MHz)	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.317	0.313
Middle CH	0.314	0.316
Highest CH	0.320	0.306





**Occupied Bandwidth**

Mode	GSM850 : 99%OBW(MHz)	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.242	0.247
Middle CH	0.246	0.245
Highest CH	0.243	0.246

Mode	GSM1900 : 99%OBW(MHz)	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.245	0.241
Middle CH	0.244	0.245
Highest CH	0.247	0.249



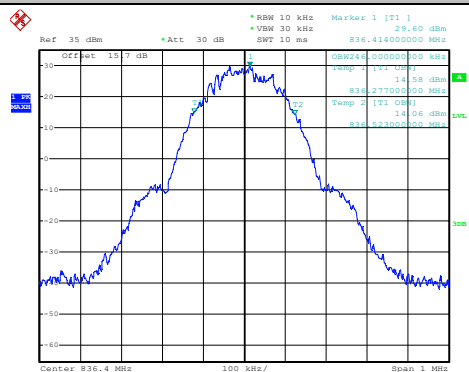
* RBW 10 kHz
 * VBW 30 kHz
 * ATT 30 dB
 * SWT 10 ms
 Marker 1 [V] 29.64 dBm
 S24.196000000 MHz
 Offset 15.7 dB
 DBW242.000000000 MHz
 Temp 1 17.12 dBm
 14.26 dBm
 S24.078000000 MHz
 Temp 2 17.1 DBM
 15.48 dBm
 S24.120000000 MHz
 15%
 30dB
 100dB
 120dB
 140dB
 160dB
 180dB
 200dB
 220dB
 240dB
 260dB
 280dB
 300dB
 320dB
 340dB
 360dB
 380dB
 400dB
 420dB
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 7640dB

Date: 21.MAR.2026 13:20:50

GSM850 (EDGE class 8)

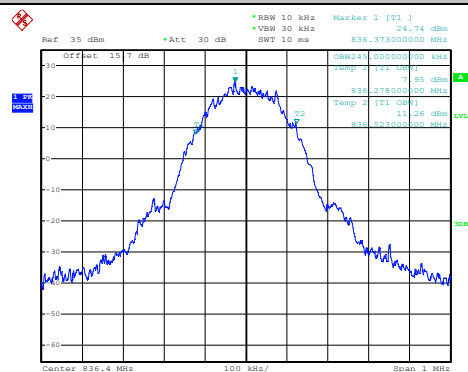
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Middle Channel



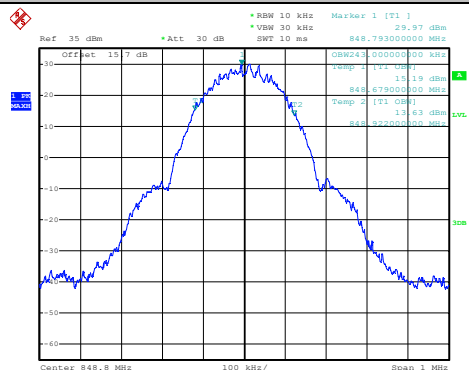
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Middle Channel



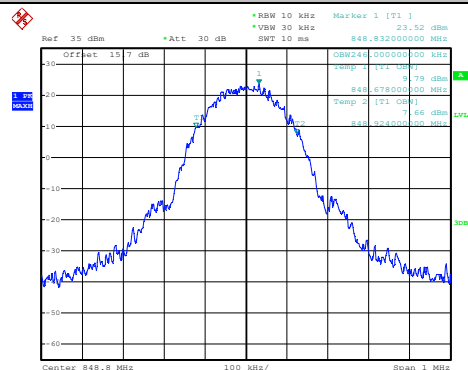
Date: 21.MAR.2026 13:43:08

Highest Channel



Date: 21.MAR.2026 13:22:33

Highest Channel



Date: 21.MAR.2026 13:43:44

[illegible]

Date: 21.MAR.2026 13:01:40

GSM1900 (EDGE class 8)

[illegible]

Date: 21.MAR.2026 12:35:56

* RBW 10 kHz
 * VBW 30 kHz
 * SWT 10 ms
 Offset 17.2 dB
 Att 30 dB
 Ref 35 dBm
 Marker 1 [1.89 GHz]

26.98 dBm
 1.88000000 GHz

DBW24: 0000000000 KHz
 Temp: 1.1101 dBm
 1.89000000 GHz

10.48 dBm
 1.89879000 GHz

1.1101 dBm
 1.89000000 GHz

Center 1.89 GHz
 100 kHz
 Span 1.90 GHz

Date: 21.MAR.2026 13:02:28

[illegible]

Date: 21.MAR.2026 12:40:44

[illegible]

Date: 21.MAR.2026 13:03:13

*RBW 10 kHz
 *VSM 30 kHz
 *Att 30 dB
 *Marker 1 [1.1]
 21.96 dBm
 1.909799000 GHz
 Ref 35 dBm
 Offset 17 2 dB
 SWT 10 ms

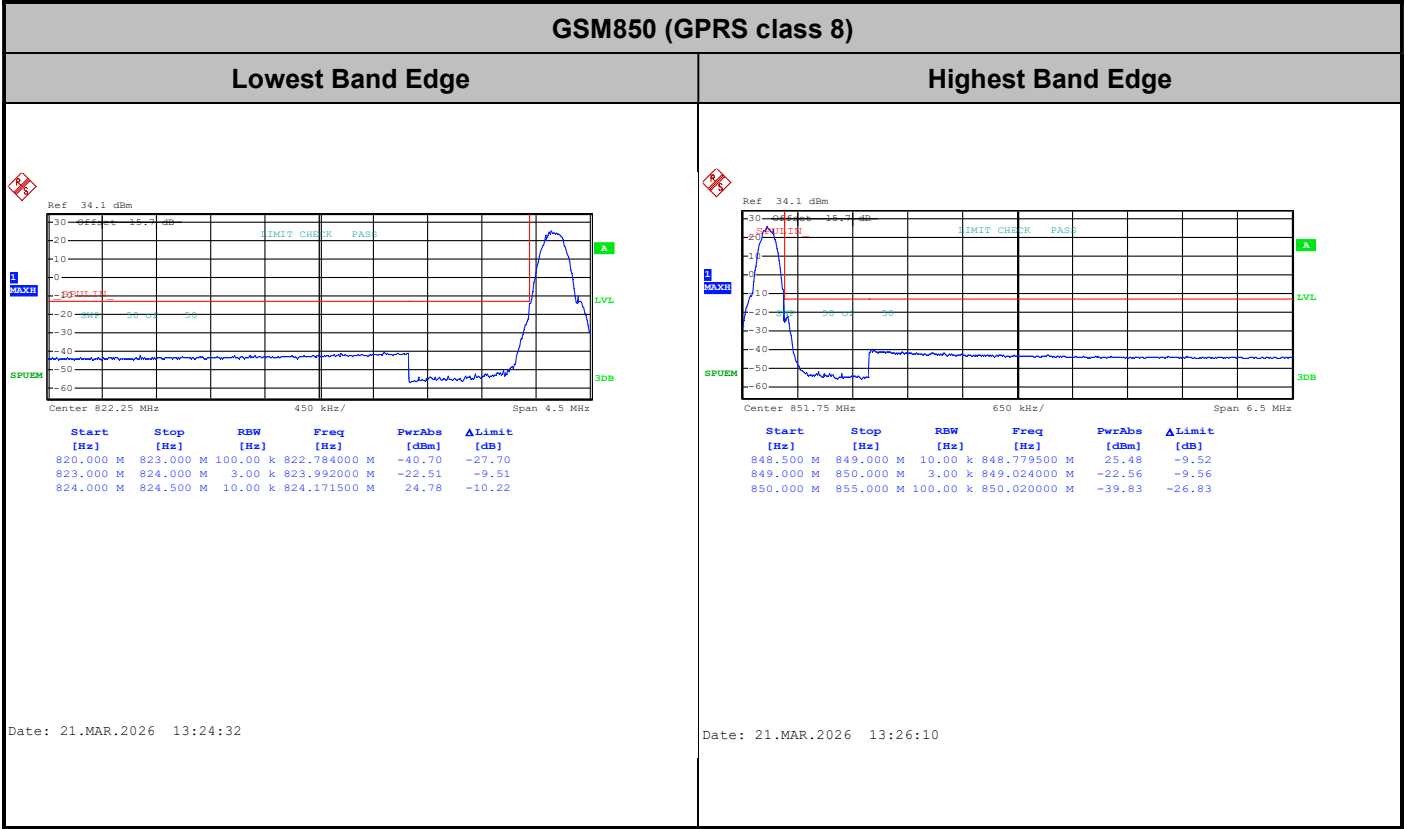
GRW243.000000000 kHz
 Ramp 1 [1.0] 6.77 dBm
 Ramp 2 [1.0] 7.06 dBm
 GRW250000.000 kHz

Center 1.908 GHz
 100 kHz/
 Span 1 MHz

Date: 21.MAR.2026 12:41:25



Conducted Band Edge

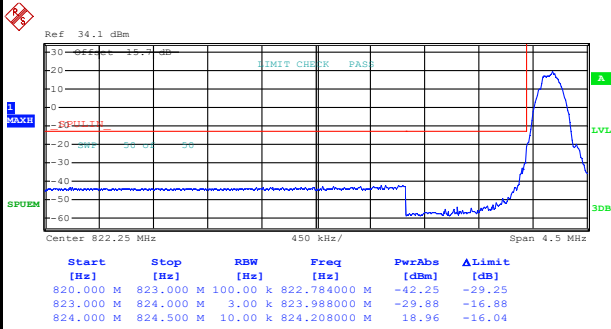




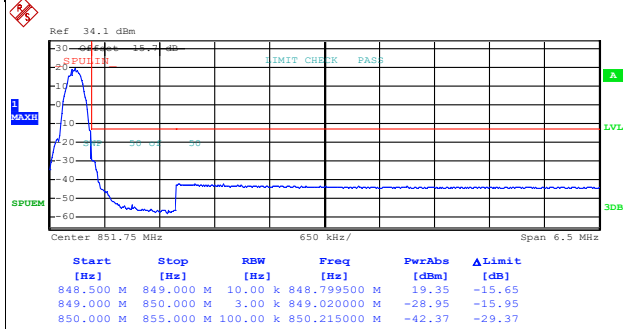
GSM850 (EDGE class 8)

Lowest Band Edge

Highest Band Edge



Date: 21.MAR.2026 13:46:16



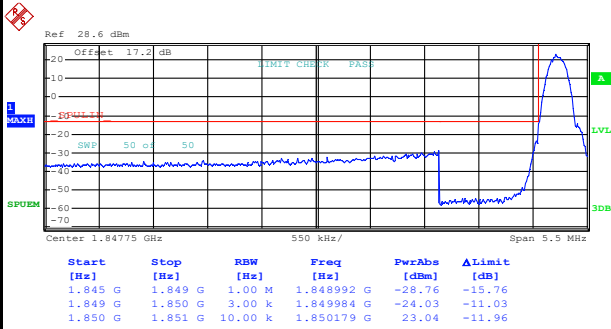
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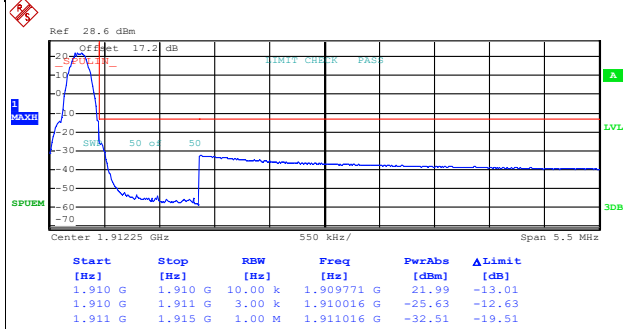
GSM1900 (GPRS class 8)

Lowest Band Edge

Highest Band Edge



Date: 21.MAR.2026 13:05:25



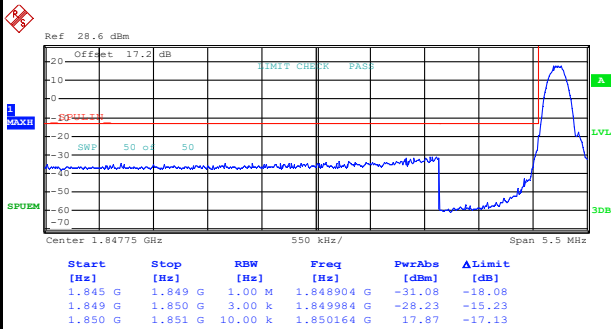
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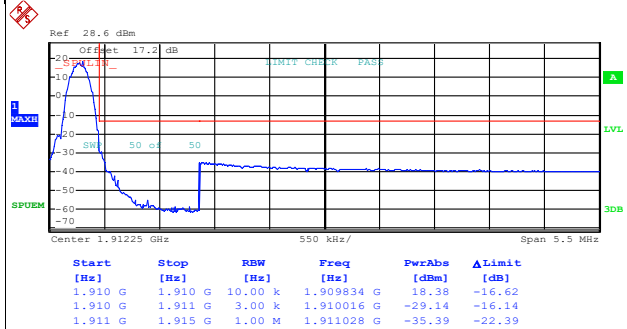
GSM1900 (EDGE class 8)

Lowest Band Edge

Highest Band Edge



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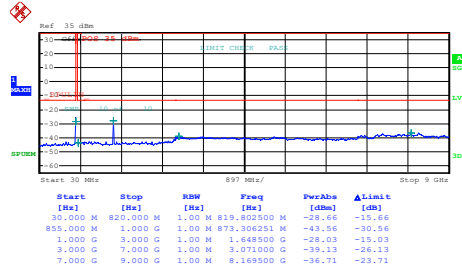


Date: 21.MAR.2026 12:45:24

Conducted Spurious Emission

GSM850 (GPRS class 8)

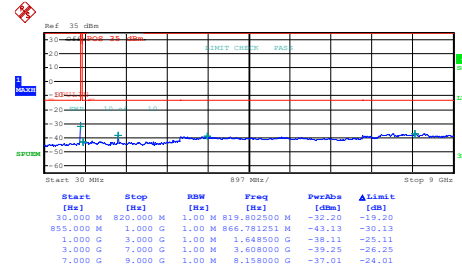
Lowest Channel



Date: 21.MAR.2026 13:27:41

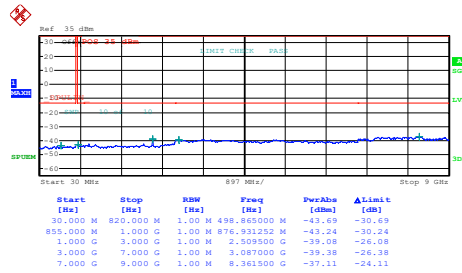
GSM850 (EDGE class 8)

Lowest Channel



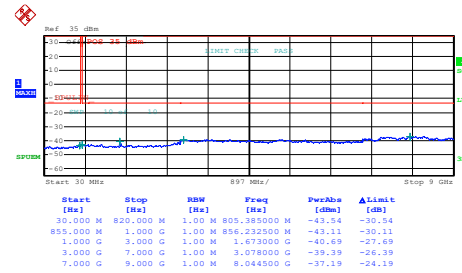
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Middle Channel



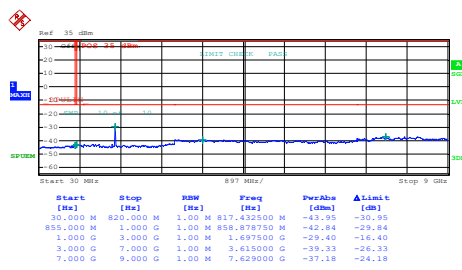
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Middle Channel



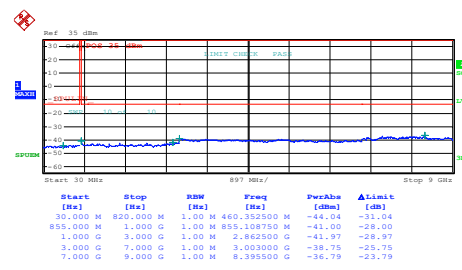
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Highest Channel



Date: 21.MAR.2026 13:29:36

Highest Channel

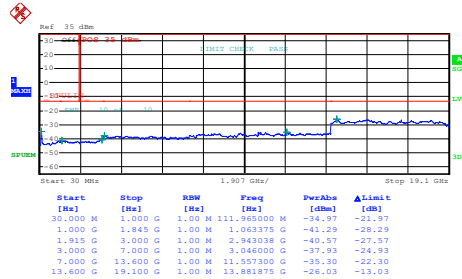


Date: 21.MAR.2026 13:51:31



GSM1900 (GPRS class 8)

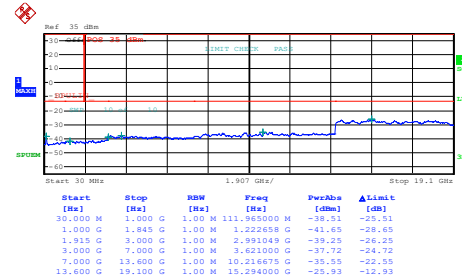
Lowest Channel



Date: 21.MAR.2026 13:08:34

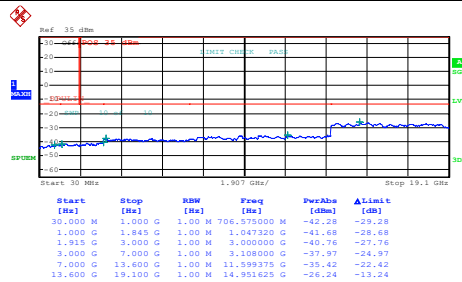
GSM1900 (EDGE class 8)

Lowest Channel



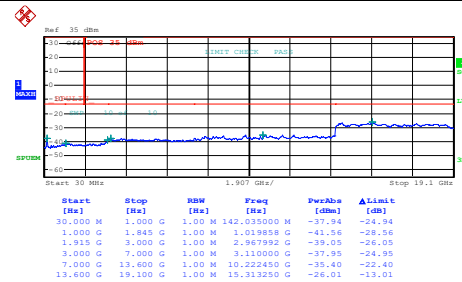
Date: 21.MAR.2026 12:50:29

Middle Channel



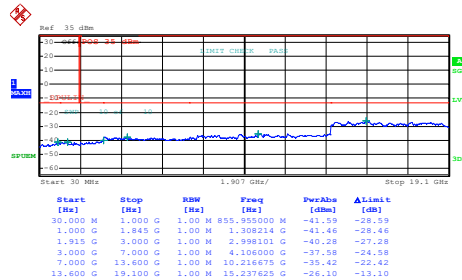
Date: 21.MAR.2026 13:10:03

Middle Channel



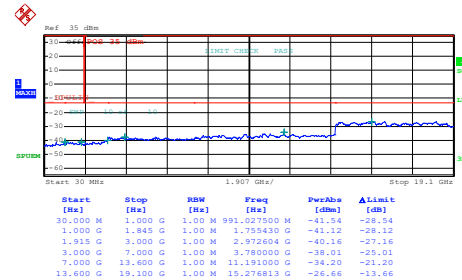
Date: 21.MAR.2026 12:51:26

Highest Channel



Date: 21.MAR.2026 13:11:14

Highest Channel



Date: 21.MAR.2026 12:52:23

Frequency Stability

Test Conditions	Middle Channel	GSM850 (GPRS)	GSM850 (EDGE class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0036	0.0084	PASS
40	Normal Voltage	0.0335	0.0000	
30	Normal Voltage	0.0418	0.0048	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0383	0.0191	
0	Normal Voltage	0.0096	0.0418	
-10	Normal Voltage	0.0012	0.0167	
-20	Normal Voltage	0.0060	0.0012	
20	Maximum Voltage	0.0048	0.0036	
20	Normal Voltage	0.0000	0.0000	
20	Minimum Voltage	0.0048	0.0012	

Test Conditions	Middle Channel	GSM1900 (GPES)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0027	0.0043	PASS
40	Normal Voltage	0.0053	0.0053	
30	Normal Voltage	0.0011	0.0011	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0059	0.0069	
0	Normal Voltage	0.0197	0.0202	
-10	Normal Voltage	0.0218	0.0223	
-20	Normal Voltage	0.0234	0.0239	
-30	Normal Voltage	0.0138	0.0128	
20	Maximum Voltage	0.0016	0.0016	
20	Normal Voltage	0.0000	0.0000	
20	Minimum Voltage	0.0011	0.0011	

Note:

1. Normal Voltage = 3.89V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage =4.48 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



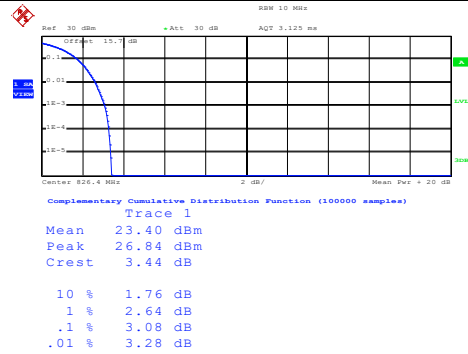
A2. WCDMA

Peak-to-Average Ratio

Mode	WCDMA Band V	WCDMA Band IV	Limit: 13dB
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	Result
Lowest CH	3.08	3.04	PASS
Middle CH	2.92	3.08	
Highest CH	3.12	3.20	

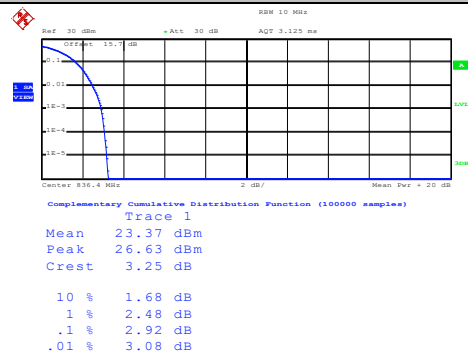
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel



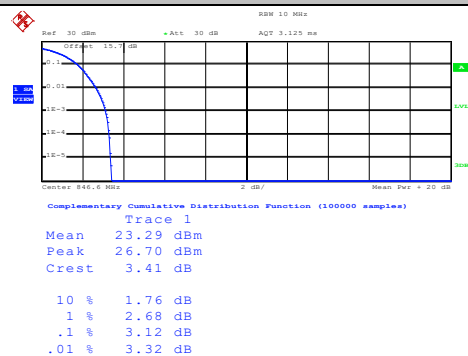
Date: 21.MAR.2026 16:27:57

Middle Channel



Date: 21.MAR.2026 16:28:22

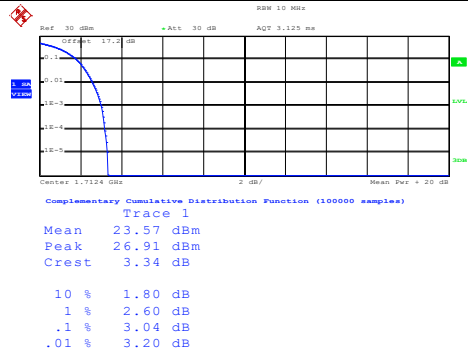
Highest Channel



Date: 21.MAR.2026 16:38:05

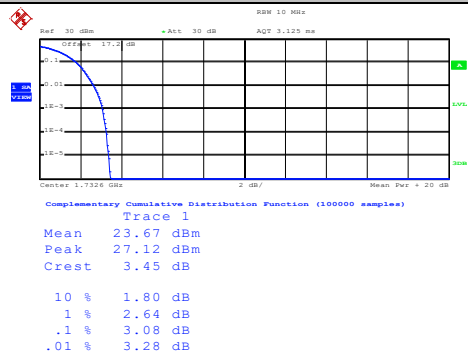
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



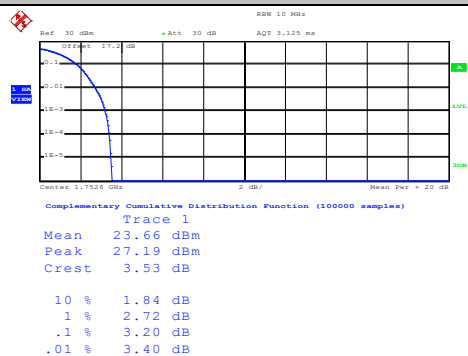
Date: 21.MAR.2026 16:07:01

Middle Channel



Date: 21.MAR.2026 16:07:52

Highest Channel



Date: 21.MAR.2026 16:08:13

**26dB Bandwidth**

Mode	WCDMA Band V 26dB BW(MHz)	WCDMA Band IV 26dB BW(MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.71	4.74
Middle CH	4.74	4.72
Highest CH	4.74	4.70



Lowest Channel



Date: 21.MAR.2026 16:12:11

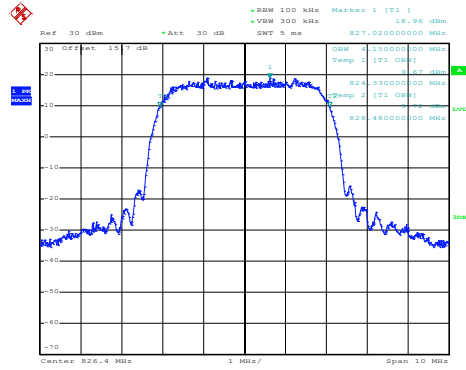
Date: 21.MAR.2026 16:12:51

**Occupied Bandwidth**

Mode	WCDMA Band V 99%OBW(MHz)	WCDMA Band IV 99%OBW(MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.15	4.15
Middle CH	4.15	4.16
Highest CH	4.14	4.16

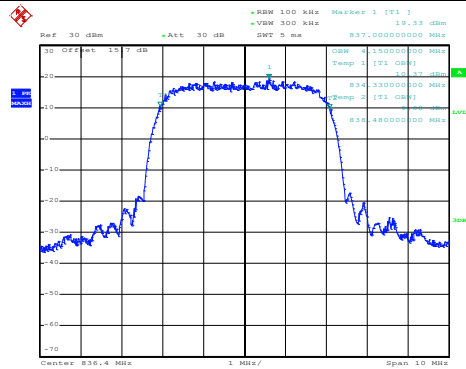
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel



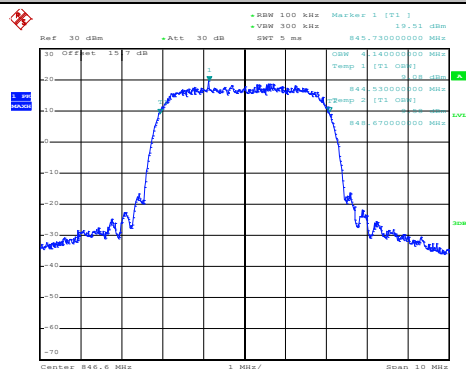
Date: 21.MAR.2026 16:13:45

Middle Channel



Date: 21.MAR.2026 16:15:33

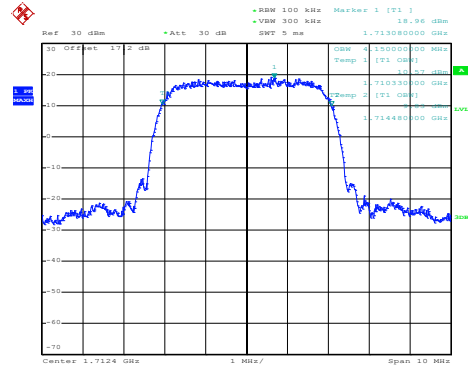
Highest Channel



Date: 21.MAR.2026 16:16:23

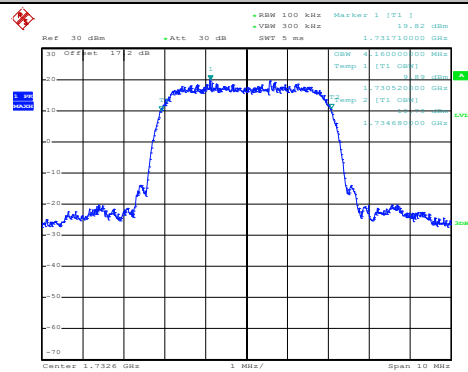
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



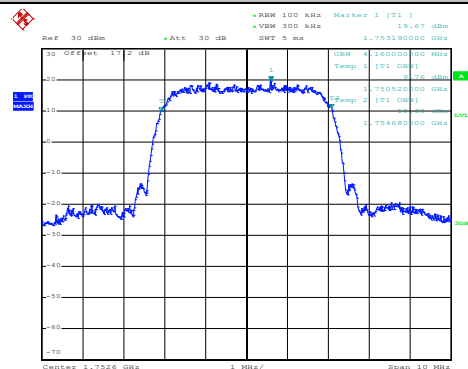
Date: 21.MAR.2026 15:28:41

Middle Channel



Date: 21.MAR.2026 15:29:24

Highest Channel



Date: 21.MAR.2026 15:30:10

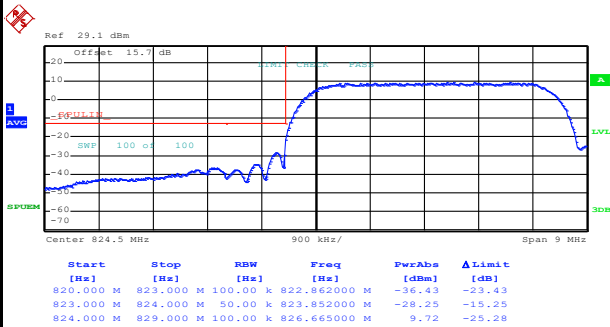


Conducted Band Edge

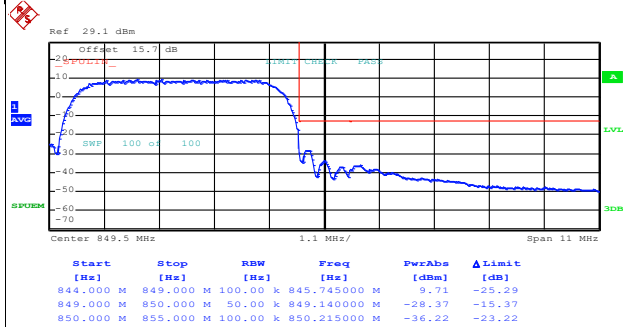
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 21.MAR.2026 16:19:55



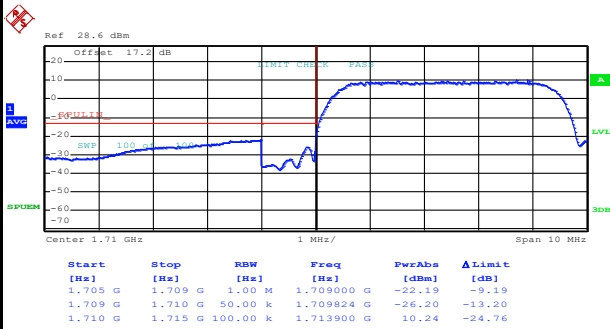
Date: 21.MAR.2026 16:23:14



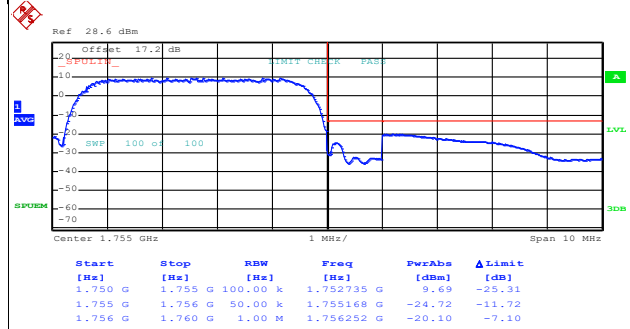
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 21.MAR.2026 15:33:38

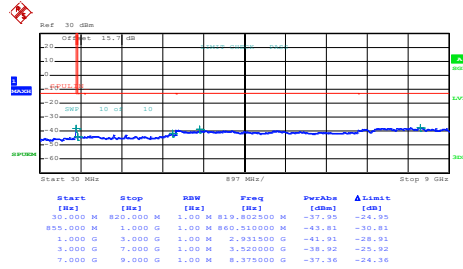


Date: 21.MAR.2026 15:36:54

Conducted Spurious Emission

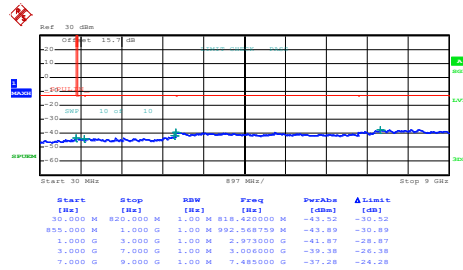
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel



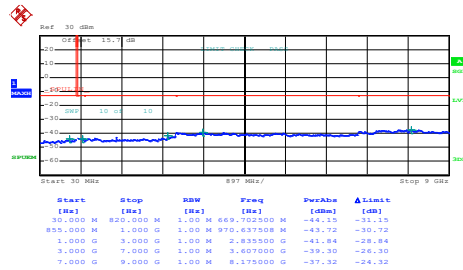
Date: 21.MAR.2026 16:24:19

Middle Channel



Date: 21.MAR.2026 16:25:59

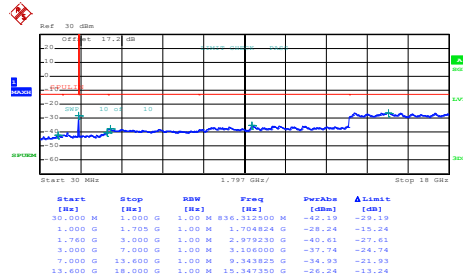
Highest Channel





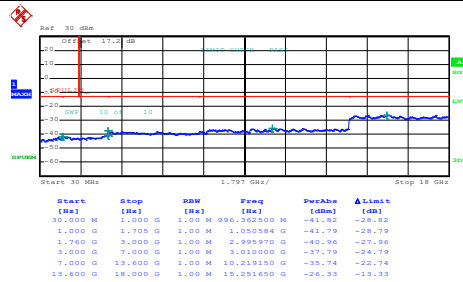
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



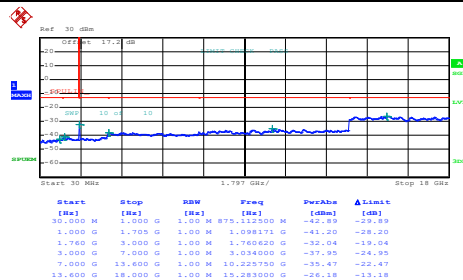
Date: 21.MAR.2026 16:03:30

Middle Channel



Date: 21.MAR.2026 16:04:27

Highest Channel



Date: 21.MAR.2026 16:05:30

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	0.0024	2	Yes	PASS
40	Normal Voltage	0.0012	-1	Yes	
30	Normal Voltage	0.0024	2	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0155	-13	Yes	
0	Normal Voltage	0.0096	-8	Yes	
-10	Normal Voltage	0.0203	-17	Yes	
-20	Normal Voltage	0.0287	-24	Yes	
20	Maximum Voltage	0.0024	2	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0012	-1	Yes	

Note:

1. Normal Voltage = 3.89 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.48 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	0.0069	12	Yes	PASS
40	Normal Voltage	0.0040	7	Yes	
30	Normal Voltage	0.0017	3	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0035	-6	Yes	
0	Normal Voltage	0.0144	-25	Yes	
-10	Normal Voltage	0.0185	-32	Yes	
-20	Normal Voltage	0.0254	-44	Yes	
20	Maximum Voltage	0.0006	1	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0012	-2	Yes	

Note:

1. Normal Voltage = 3.89 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. The frequency variation is sufficient to ensure that the occupied bandwidth of all operation channels stay within the operating frequency block or frequency block group.



Appendix B. Radiated Spurious Emission Test Data

Test Engineer :	Tim Lee 、 Wilson Wu 、 Gerry Wei	Relative Humidity(%):	50~60%
		Temperature(°C):	20~25°C

B1.Summary of each worse mode

Mode	Band	Part	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	GSM 850	Part 22H	M	2509	-33.18	RMS	28.10	-27.12	0.07	-95.23	61.00	-13.00	-20.18	H	0
2	WCDMA B5	Part 22H	H	3386	-56.29	RMS	29.77	-25.94	0.08	-95.23	35.03	-13.00	-43.29	H	0
1	GSM 1900	Part 24E	L	7400	-45.72	RMS	36.90	-21.52	0.42	-95.23	33.71	-13.00	-32.72	H	1
1	WCDMA B4	Part 27L	H	7010	-46.53	RMS	36.24	-21.75	0.44	-95.23	33.77	-13.00	-33.53	V	1

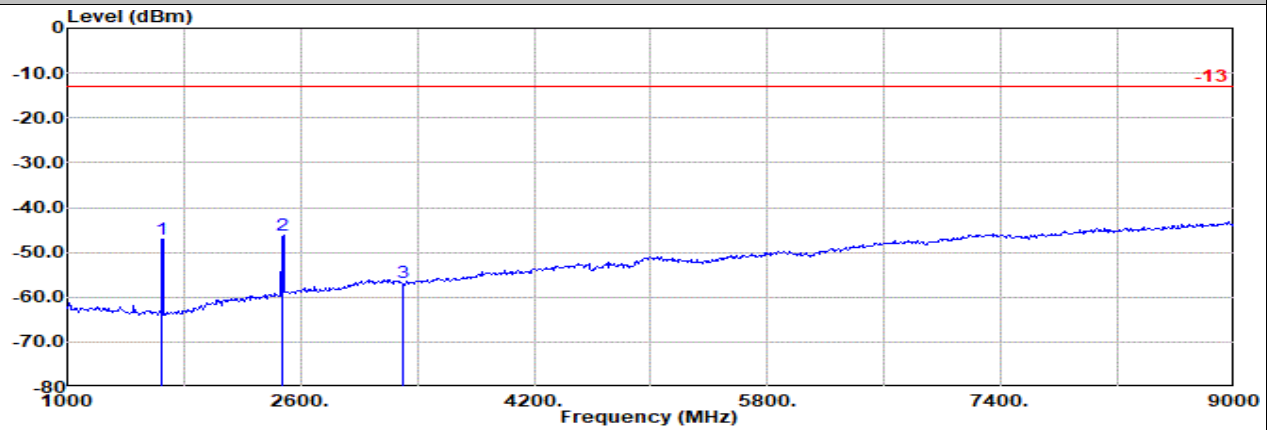


Ant. 0

Part 22H Mode 1

GSM 850 Ch128

L

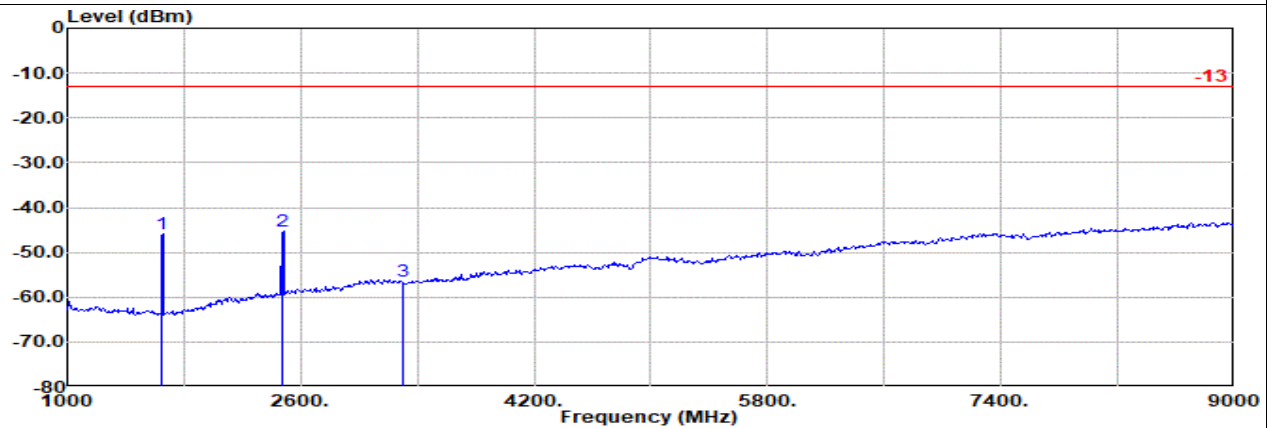


Site : 03CH12-HY

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

: GSM 850 Ch128

	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	1648.00	-47.10	RMS	25.40	-29.43	0.36	-95.23	51.80	-13.00	-34.10	Horizontal
2	2472.00	-46.33	RMS	27.82	-27.20	0.08	-95.23	48.20	-13.00	-33.33	Horizontal
3	3296.00	-56.67	RMS	29.71	-26.06	0.06	-95.23	34.85	-13.00	-43.67	Horizontal



Site : 03CH12-HY

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

: GSM 850 Ch128

	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	1648.00	-45.78	RMS	25.40	-29.43	0.36	-95.23	53.12	-13.00	-32.78	Vertical
2	2472.00	-45.36	RMS	27.82	-27.20	0.08	-95.23	49.17	-13.00	-32.36	Vertical
3	3296.00	-56.55	RMS	29.71	-26.06	0.06	-95.23	34.97	-13.00	-43.55	Vertical

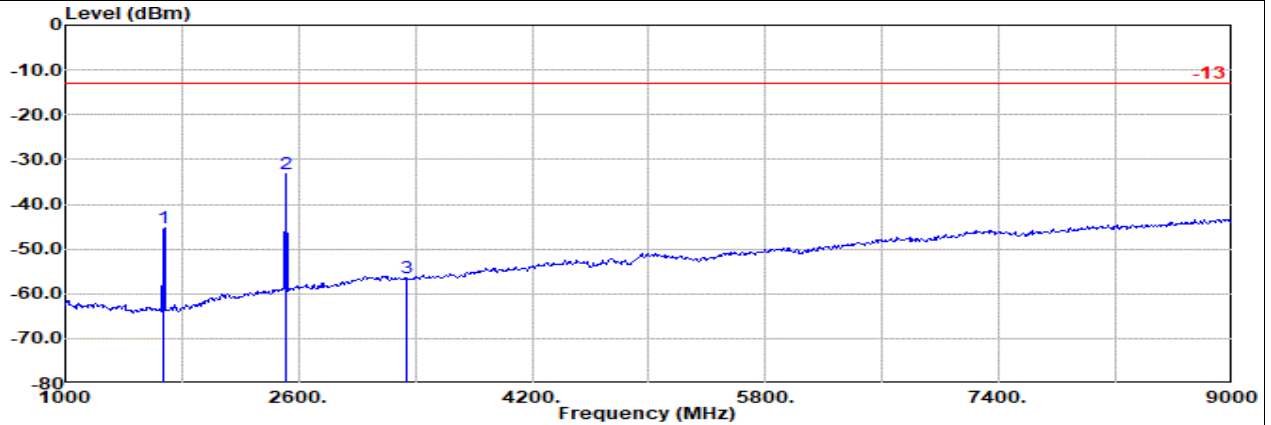


Ant. 0

Part 22H Mode 1

GSM 850 Ch189

M

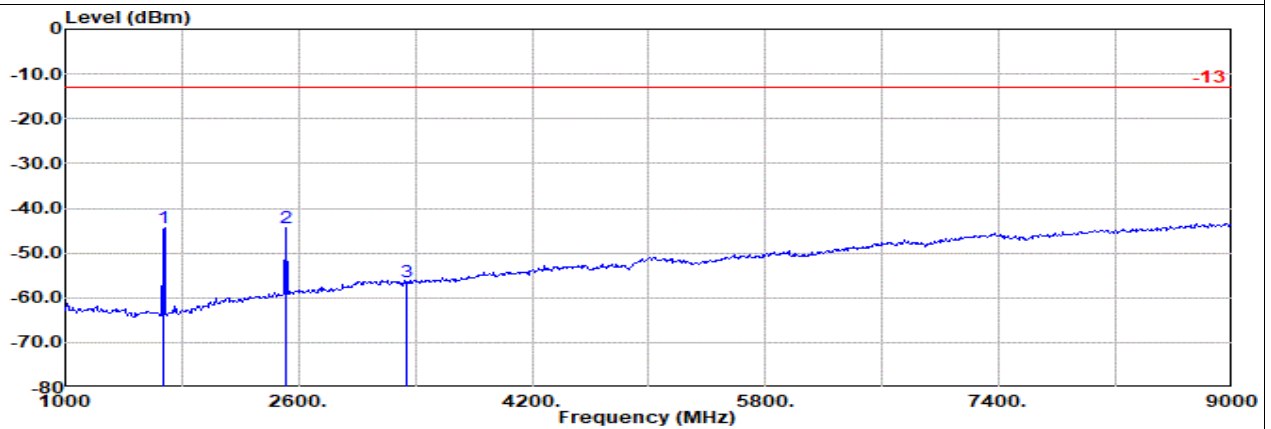


Site : 03CH12-HY

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

: GSM 850 Ch189

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB						
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	1673.00	-45.40	RMS	25.50	-29.35	0.36	-95.23	53.32	-13.00	-32.40	Horizontal	
2	2509.00	-33.18	RMS	28.10	-27.12	0.07	-95.23	61.00	-13.00	-20.18	Horizontal	
3	3345.00	-56.60	RMS	29.70	-25.99	0.07	-95.23	34.85	-13.00	-43.60	Horizontal	



Site : 03CH12-HY

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

: GSM 850 Ch189

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB						
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	1673.00	-44.40	RMS	25.50	-29.35	0.36	-95.23	54.32	-13.00	-31.40	Vertical	
2	2509.00	-44.36	RMS	28.10	-27.12	0.07	-95.23	49.82	-13.00	-31.36	Vertical	
3	3345.00	-56.58	RMS	29.70	-25.99	0.07	-95.23	34.87	-13.00	-43.58	Vertical	

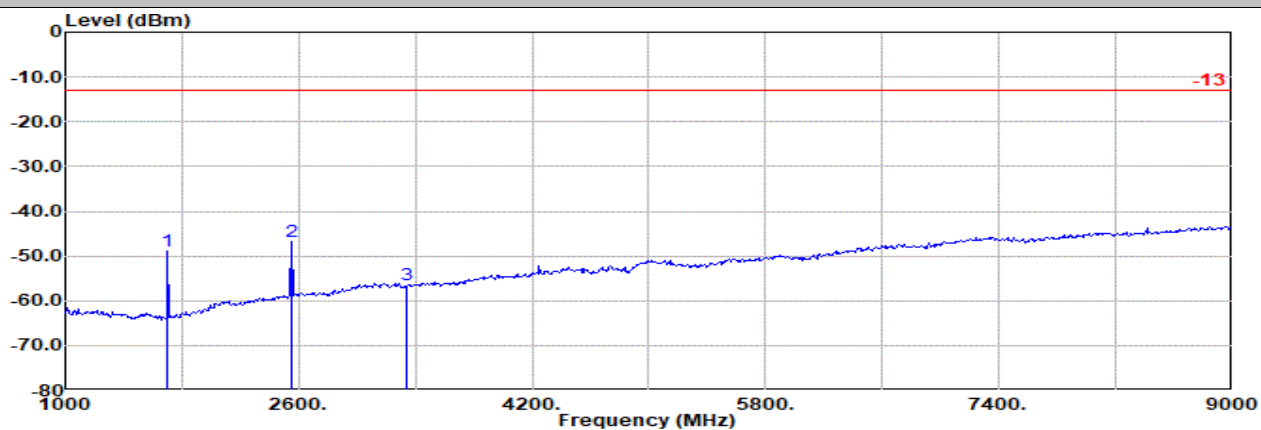


Ant. 0

Part 22H Mode 1

GSM 850 Ch251

H

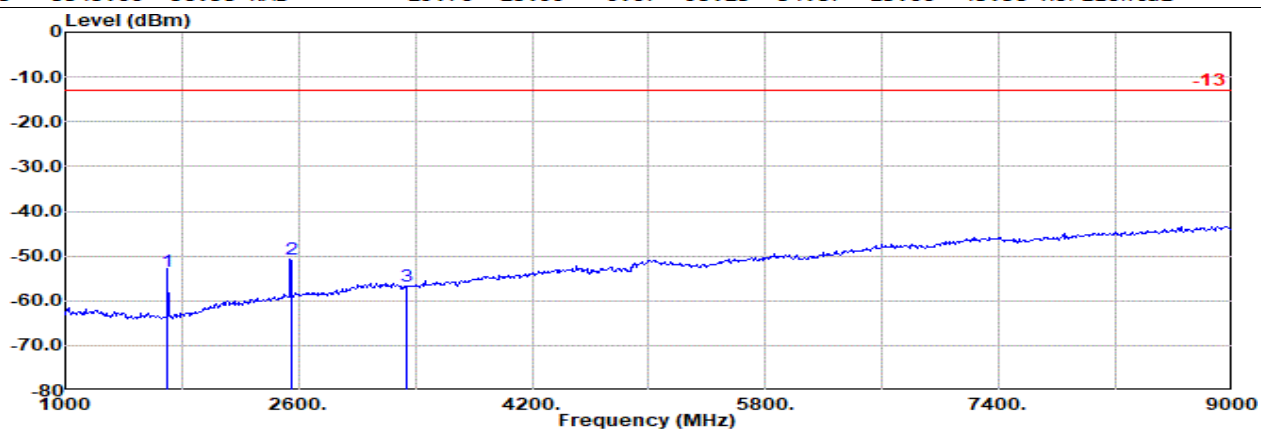


Site : 03CH12-HY

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

: GSM 850 Ch251

	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	1697.00	-48.92	RMS		25.33	-29.27	0.37	-95.23	49.88	-13.00	-35.92		Horizontal
2	2546.00	-46.78	RMS		28.30	-27.06	0.06	-95.23	47.15	-13.00	-33.78		Horizontal
3	3345.00	-56.58	RMS		29.70	-25.99	0.07	-95.23	34.87	-13.00	-43.58		Horizontal



Site : 03CH12-HY

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

: GSM 850 Ch251

	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	1697.00	-53.49	RMS		25.33	-29.27	0.37	-95.23	45.31	-13.00	-40.49		Vertical
2	2546.00	-50.60	RMS		28.30	-27.06	0.06	-95.23	43.33	-13.00	-37.60		Vertical
3	3345.00	-56.61	RMS		29.70	-25.99	0.07	-95.23	34.84	-13.00	-43.61		Vertical

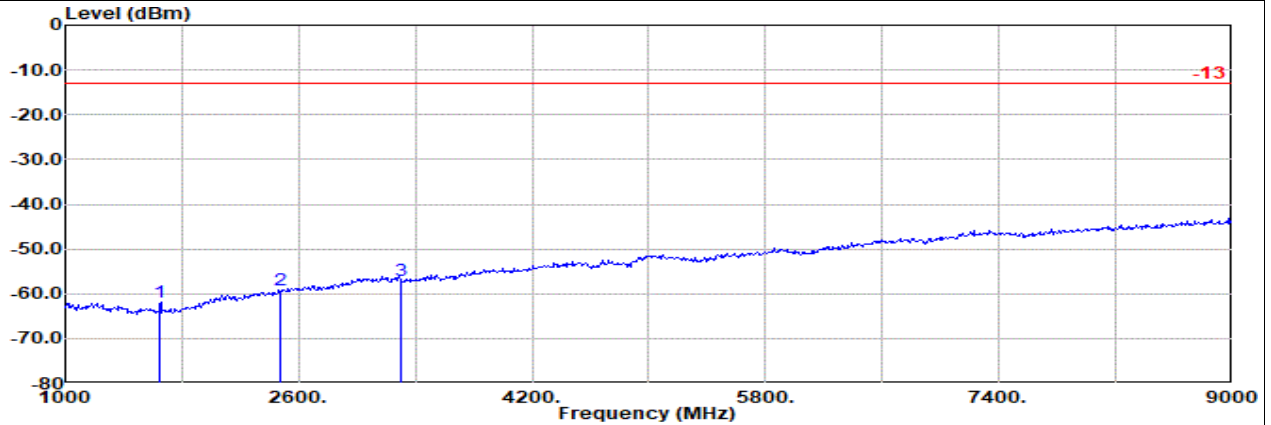


Ant. 0

Part 22H Mode 2

WCDMA B5 Ch4132

L

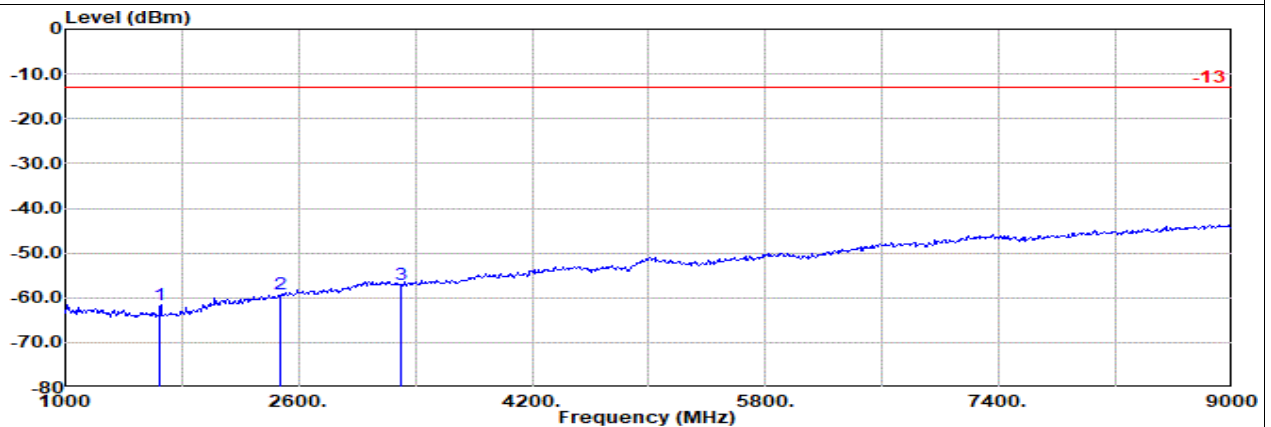


Site : 03CH12-HY

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

: WCDMA Band 5 Ch4132

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	l			g	g		
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1652.00	-62.02	RMS	25.42	-29.42	0.36	-95.23	36.85	-13.00	-49.02	Horizontal
2	2479.00	-59.21	RMS	27.89	-27.18	0.08	-95.23	35.23	-13.00	-46.21	Horizontal
3	3305.00	-57.08	RMS	29.70	-26.04	0.06	-95.23	34.43	-13.00	-44.08	Horizontal



Site : 03CH12-HY

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

: WCDMA Band 5 Ch4132

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1652.00	-61.54	RMS	25.42	-29.42	0.36	-95.23	37.33	-13.00	-48.54	Vertical
2	2479.00	-59.31	RMS	27.89	-27.18	0.08	-95.23	35.13	-13.00	-46.31	Vertical
3	3305.00	-57.14	RMS	29.70	-26.04	0.06	-95.23	34.37	-13.00	-44.14	Vertical

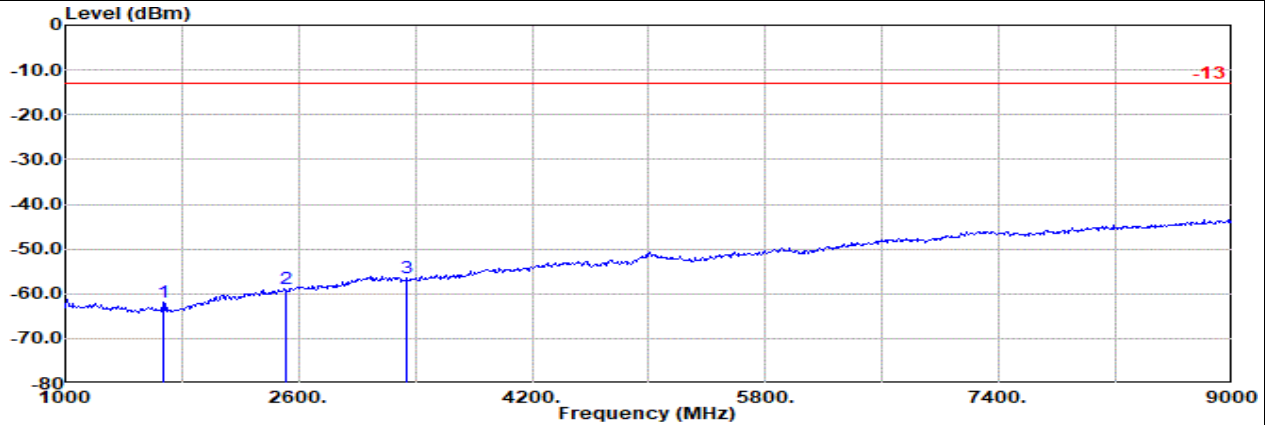


Ant. 0

Part 22H Mode 2

WCDMA B5 Ch4182

M

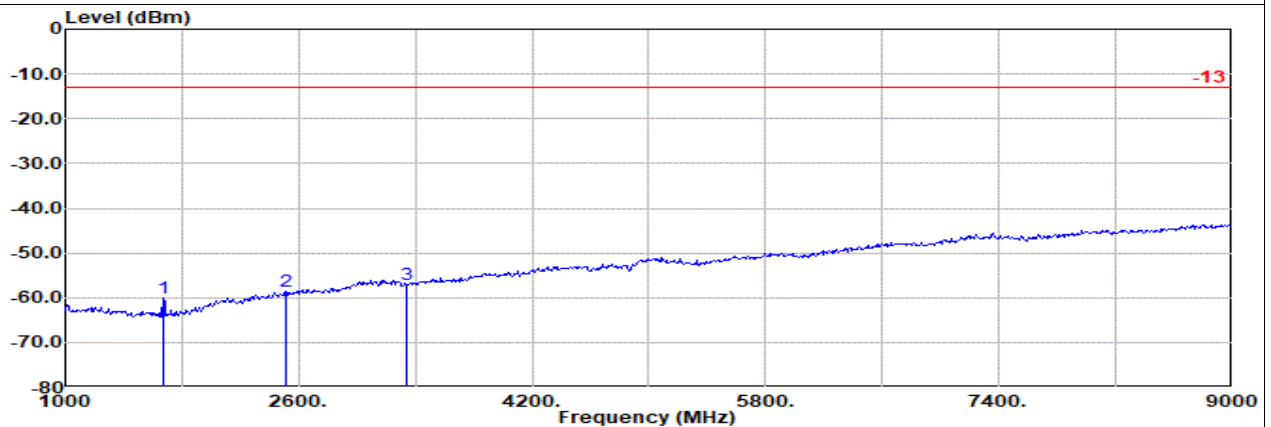


Site : 03CH12-HY

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

: WCDMA Band 5 Ch4182

	Freq		Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin		Pol
	MHz	dBm				dB/m	dB	dB	dB	dBuV	dBm	dB	dB	
1	1672.00	-61.82	RMS		25.50	-29.35	0.36	-95.23	36.90	-13.00	-48.82	Horizontal		
2	2509.00	-58.76	RMS		28.10	-27.12	0.07	-95.23	35.42	-13.00	-45.76	Horizontal		
3	3345.00	-56.59	RMS		29.70	-25.99	0.07	-95.23	34.86	-13.00	-43.59	Horizontal		



Site : 03CH12-HY

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

: WCDMA Band 5 Ch4182

	Freq		Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin		Pol
	MHz	dBm				dB/m	dB	dB	dB	dBuV	dBm	dB	dB	
1	1672.00	-60.11	RMS		25.50	-29.35	0.36	-95.23	38.61	-13.00	-47.11	Vertical		
2	2509.00	-58.54	RMS		28.10	-27.12	0.07	-95.23	35.64	-13.00	-45.54	Vertical		
3	3345.00	-56.96	RMS		29.70	-25.99	0.07	-95.23	34.49	-13.00	-43.96	Vertical		

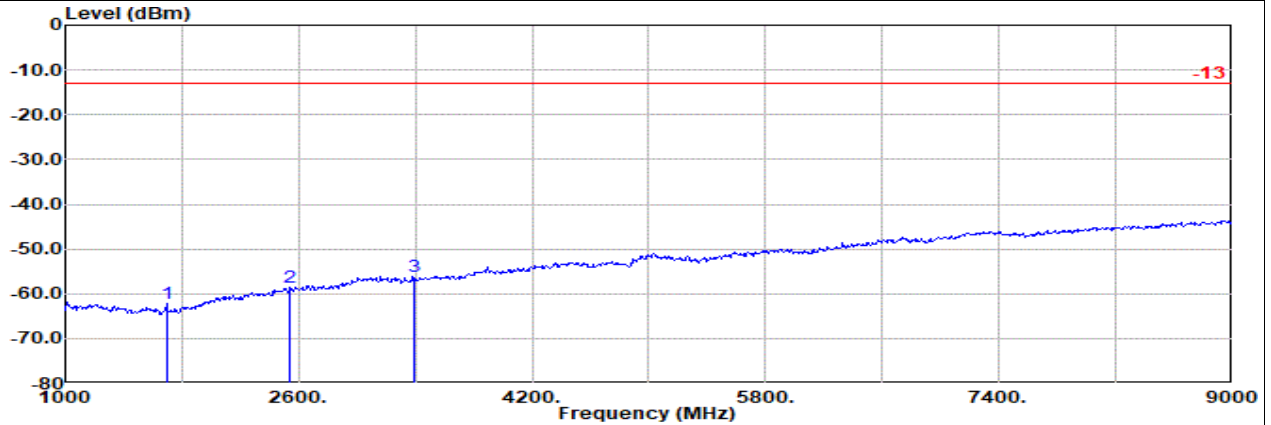


Ant. 0

Part 22H Mode 2

WCDMA B5 Ch4233

H

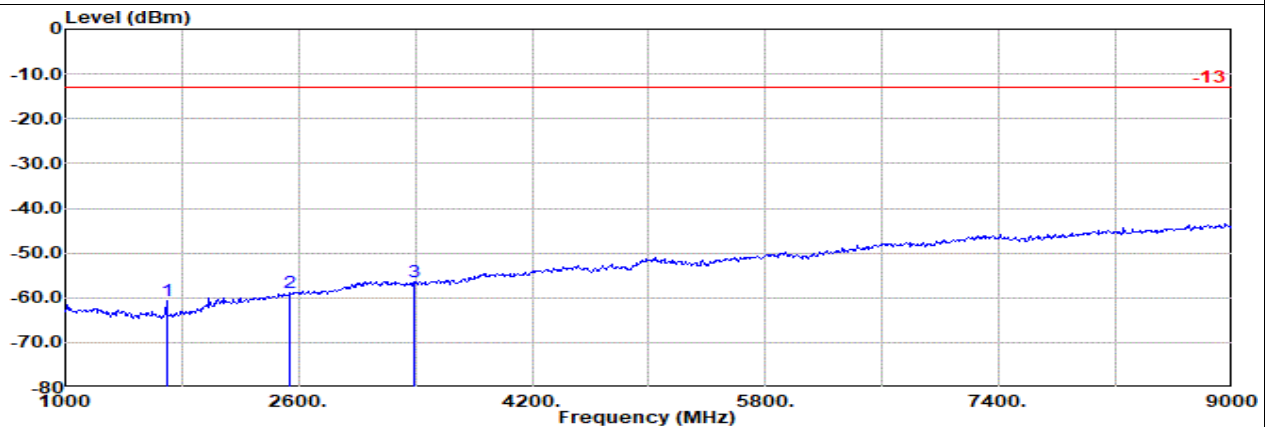


Site : 03CH12-HY

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

: WCDMA Band 5 Ch4233

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB						
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	1693.00	-62.15	RMS	25.37	-29.28	0.37	-95.23	36.62	-13.00	-49.15	Horizontal	
2	2539.00	-58.65	RMS	28.30	-27.07	0.07	-95.23	35.28	-13.00	-45.65	Horizontal	
3	3386.00	-56.29	RMS	29.77	-25.94	0.08	-95.23	35.03	-13.00	-43.29	Horizontal	



Site : 03CH12-HY

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

: WCDMA Band 5 Ch4233

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB						
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	1693.00	-60.67	RMS	25.37	-29.28	0.37	-95.23	38.10	-13.00	-47.67	Vertical	
2	2539.00	-58.92	RMS	28.30	-27.07	0.07	-95.23	35.01	-13.00	-45.92	Vertical	
3	3386.00	-56.56	RMS	29.77	-25.94	0.08	-95.23	34.76	-13.00	-43.56	Vertical	

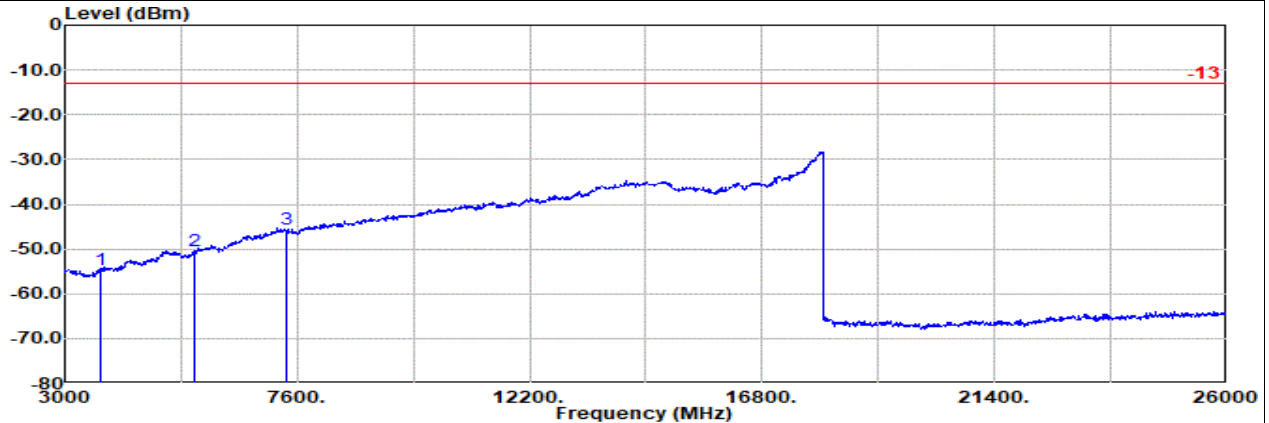


Ant. 1

Part 24E Mode 1

GSM 1900 Ch512

L

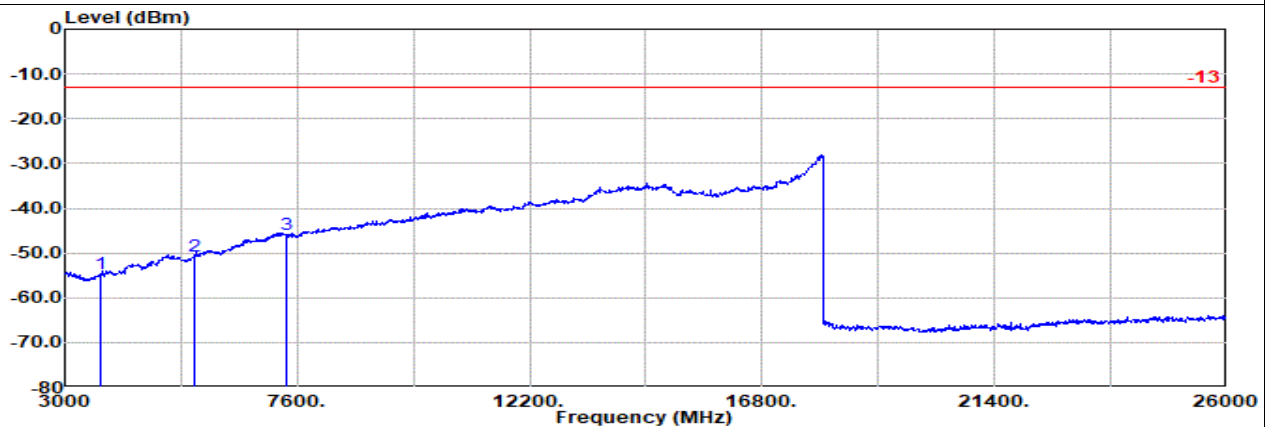


Site : 03CH12-HY

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

: GSM 1900 Ch512

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	Amp\Cb		1						
	MHz	dBm											
1	3700.00	-54.66	RMS	29.90	-25.39	1.00	-95.23		35.05	-13.00	-41.66		Horizontal
2	5550.00	-50.43	RMS	33.30	-22.96	0.57	-95.23		33.89	-13.00	-37.43		Horizontal
3	7400.00	-45.72	RMS	36.90	-21.52	0.42	-95.23		33.71	-13.00	-32.72		Horizontal



Site : 03CH12-HY

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

: GSM 1900 Ch512

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	Amp\Cb		1						
	MHz	dBm											
1	3700.00	-54.74	RMS	29.90	-25.39	1.00	-95.23		34.97	-13.00	-41.74		Vertical
2	5550.00	-50.80	RMS	33.30	-22.96	0.57	-95.23		33.52	-13.00	-37.80		Vertical
3	7400.00	-45.83	RMS	36.90	-21.52	0.42	-95.23		33.60	-13.00	-32.83		Vertical

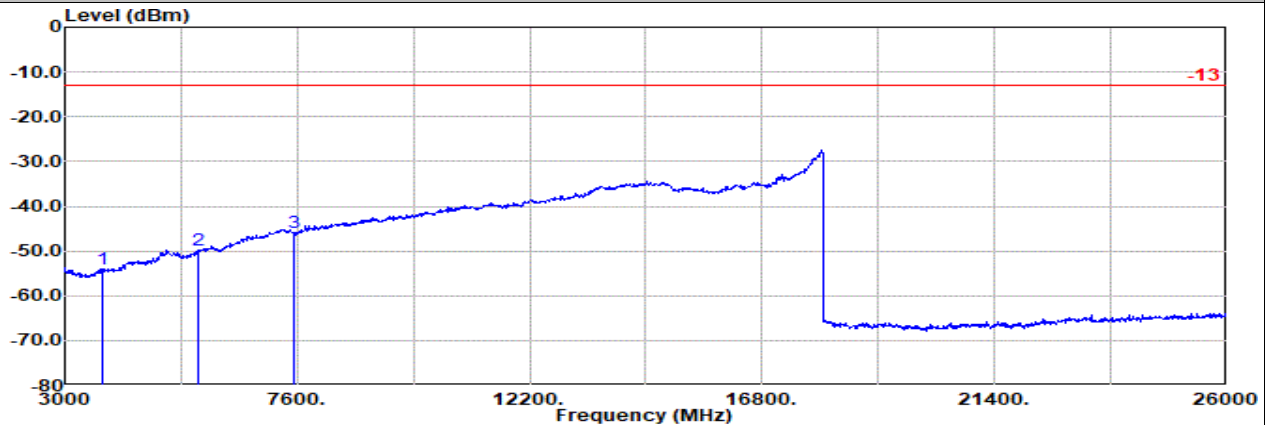


Ant. 1

Part 24E Mode 1

GSM 1900 Ch661

M

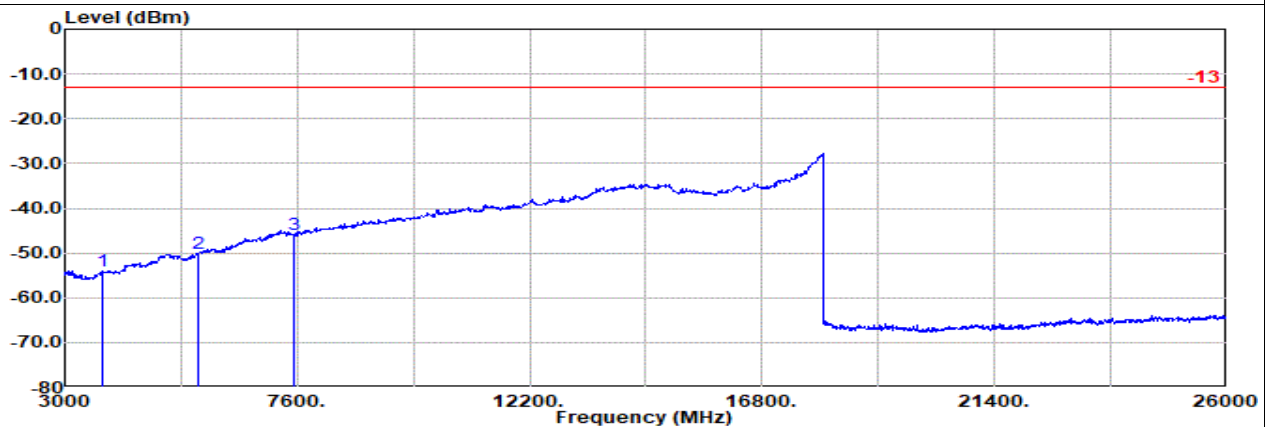


Site : 03CH12-HY

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

: GSM 1900 Ch661

	Freq Level		Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3760.00	-54.03	RMS		30.26	-25.29	0.96	-95.23	35.27	-13.00	-41.03	Horizontal
2	5640.00	-49.67	RMS		33.38	-22.88	0.54	-95.23	34.52	-13.00	-36.67	Horizontal
3	7520.00	-45.78	RMS		36.52	-21.46	0.43	-95.23	33.96	-13.00	-32.78	Horizontal



Site : 03CH12-HY

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

: GSM 1900 Ch661

	Freq Level		Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3760.00	-54.14	RMS		30.26	-25.29	0.96	-95.23	35.16	-13.00	-41.14	Vertical
2	5640.00	-50.12	RMS		33.38	-22.88	0.54	-95.23	34.07	-13.00	-37.12	Vertical
3	7520.00	-45.88	RMS		36.52	-21.46	0.43	-95.23	33.86	-13.00	-32.88	Vertical

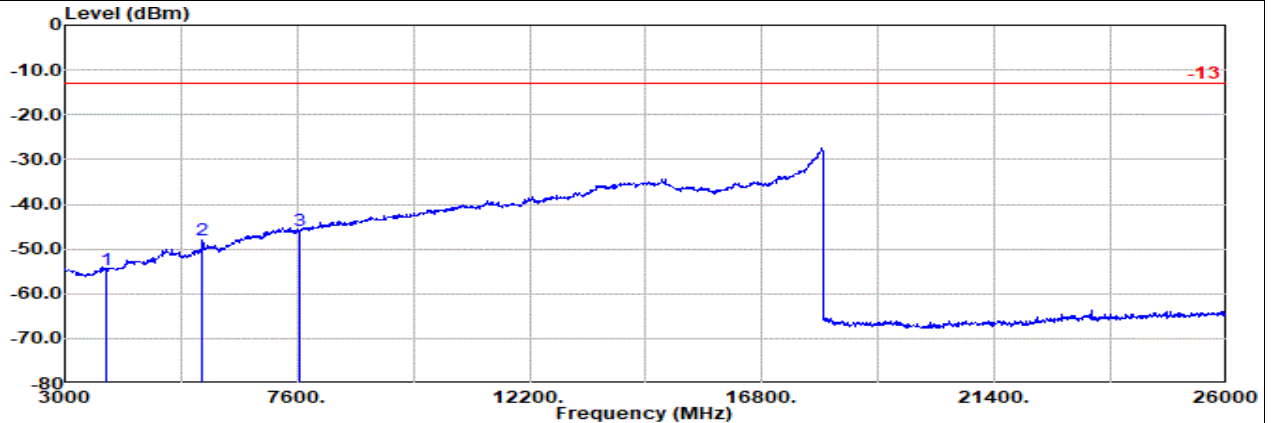


Ant. 1

Part 24E Mode 1

GSM 1900 Ch810

H

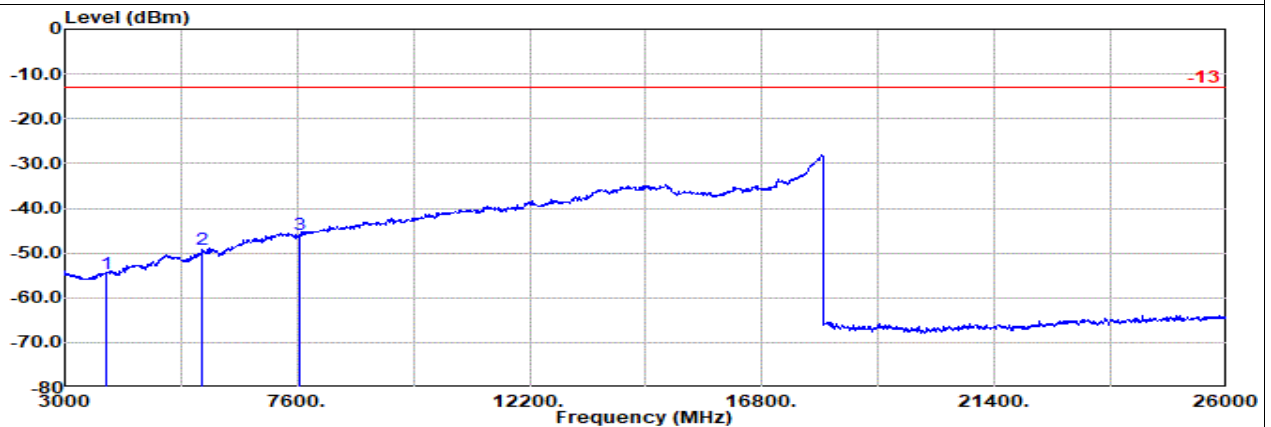


Site : 03CH12-HY

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

: GSM 1900 Ch810

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBm	dB	
1	3820.00	-54.58	RMS		30.66	-25.18	0.93	-95.23	34.24	-13.00	-41.58 Horizontal
2	5730.00	-47.86	RMS		33.82	-22.85	0.52	-95.23	35.88	-13.00	-34.86 Horizontal
3	7640.00	-45.92	RMS		36.56	-21.40	0.46	-95.23	33.69	-13.00	-32.92 Horizontal



Site : 03CH12-HY

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

: GSM 1900 Ch810

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBm	dB	
1	3820.00	-54.61	RMS		30.66	-25.18	0.93	-95.23	34.21	-13.00	-41.61 Vertical
2	5730.00	-49.20	RMS		33.82	-22.85	0.52	-95.23	34.54	-13.00	-36.20 Vertical
3	7640.00	-45.92	RMS		36.56	-21.40	0.46	-95.23	33.69	-13.00	-32.92 Vertical

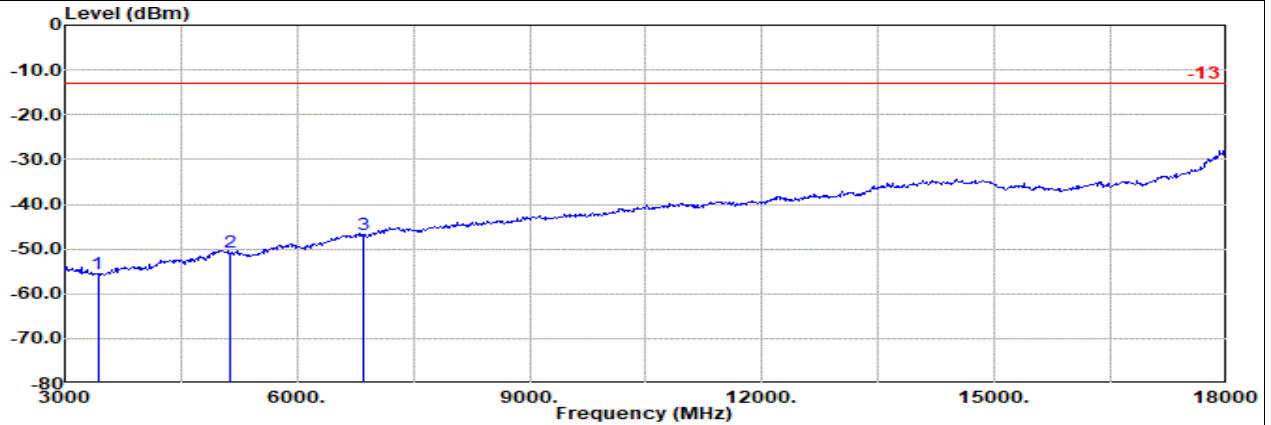


Ant. 1

Part 27L Mode 1

WCDMA B4 Ch1312

L

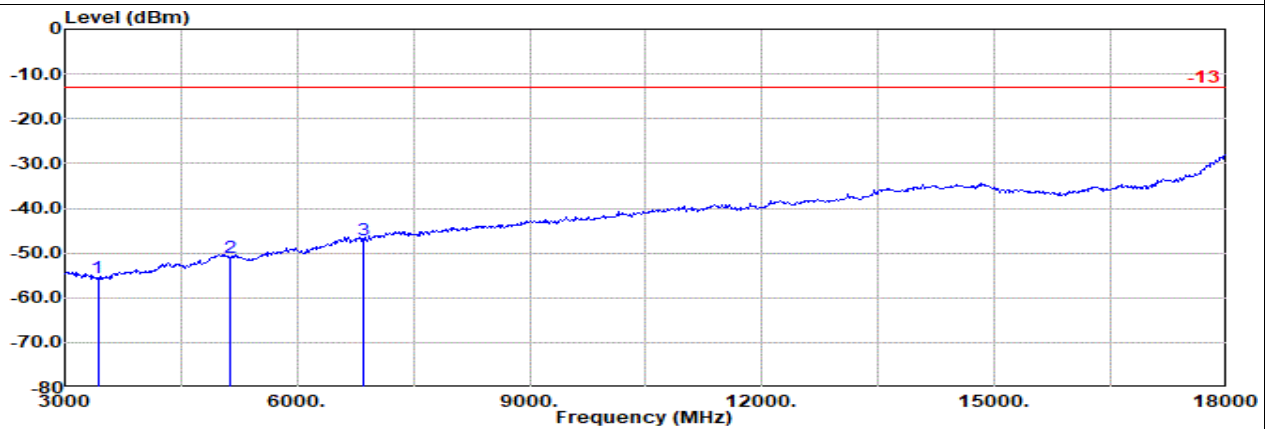


Site : 03CH12-HY

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

: WCDMA Band4 CH1312

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB		dBuV	dBm	dB	
1	3425.00	-55.46	RMS		29.75	-25.88	1.23	-95.23	34.67	-13.00	-42.46	Horizontal
2	5137.00	-50.81	RMS		33.27	-23.50	0.59	-95.23	34.06	-13.00	-37.81	Horizontal
3	6850.00	-46.79	RMS		36.10	-21.91	0.48	-95.23	33.77	-13.00	-33.79	Horizontal



Site : 03CH12-HY

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

: WCDMA Band4 CH1312

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB		dBuV	dBm	dB	
1	3425.00	-55.41	RMS		29.75	-25.88	1.23	-95.23	34.72	-13.00	-42.41	Vertical
2	5137.00	-51.04	RMS		33.27	-23.50	0.59	-95.23	33.83	-13.00	-38.04	Vertical
3	6850.00	-47.20	RMS		36.10	-21.91	0.48	-95.23	33.36	-13.00	-34.20	Vertical

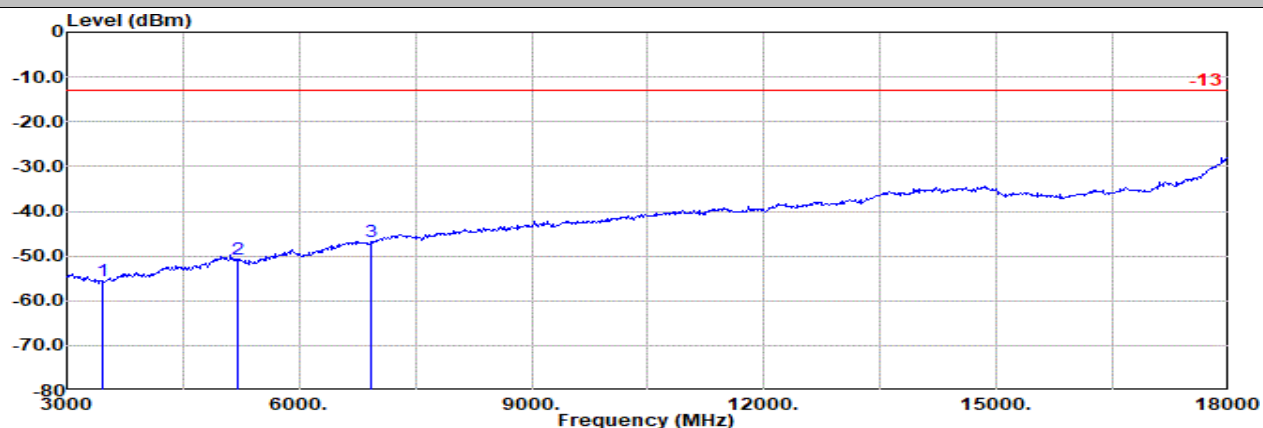


Ant. 1

Part 27L Mode 1

WCDMA B4 Ch1413

M

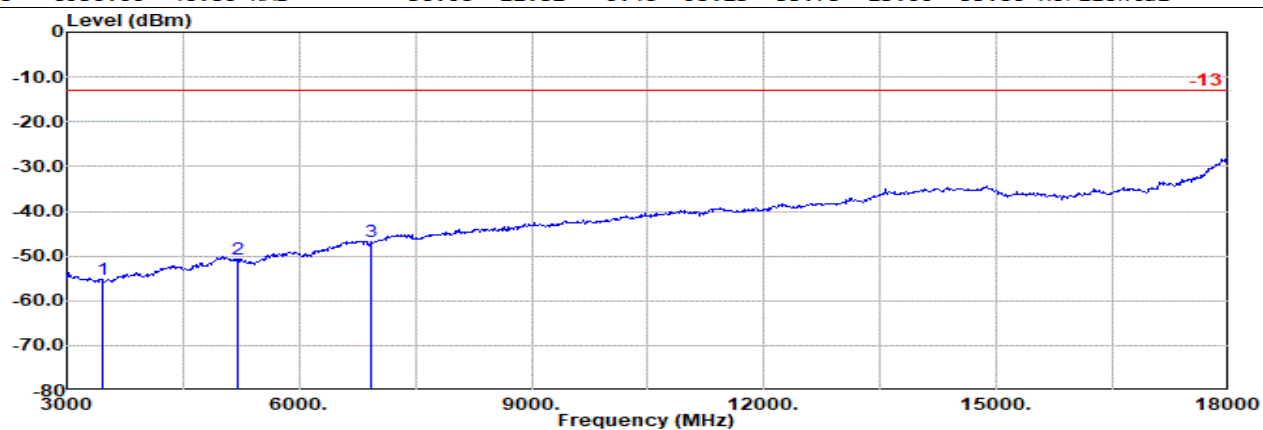


Site : 03CH12-HY

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

: WCDMA Band4 CH1413

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB			dBuV	dBm	dB	
1	3465.00	-55.46	RMS		29.67	-25.82	1.18	-95.23	34.74	-13.00	-42.46	Horizontal
2	5198.00	-50.74	RMS		33.40	-23.42	0.59	-95.23	33.92	-13.00	-37.74	Horizontal
3	6930.00	-46.80	RMS		36.06	-21.82	0.46	-95.23	33.73	-13.00	-33.80	Horizontal



Site : 03CH12-HY

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

: WCDMA Band4 CH1413

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB			dBuV	dBm	dB	
1	3465.00	-55.38	RMS		29.67	-25.82	1.18	-95.23	34.82	-13.00	-42.38	Vertical
2	5198.00	-50.64	RMS		33.40	-23.42	0.59	-95.23	34.02	-13.00	-37.64	Vertical
3	6930.00	-46.79	RMS		36.06	-21.82	0.46	-95.23	33.74	-13.00	-33.79	Vertical

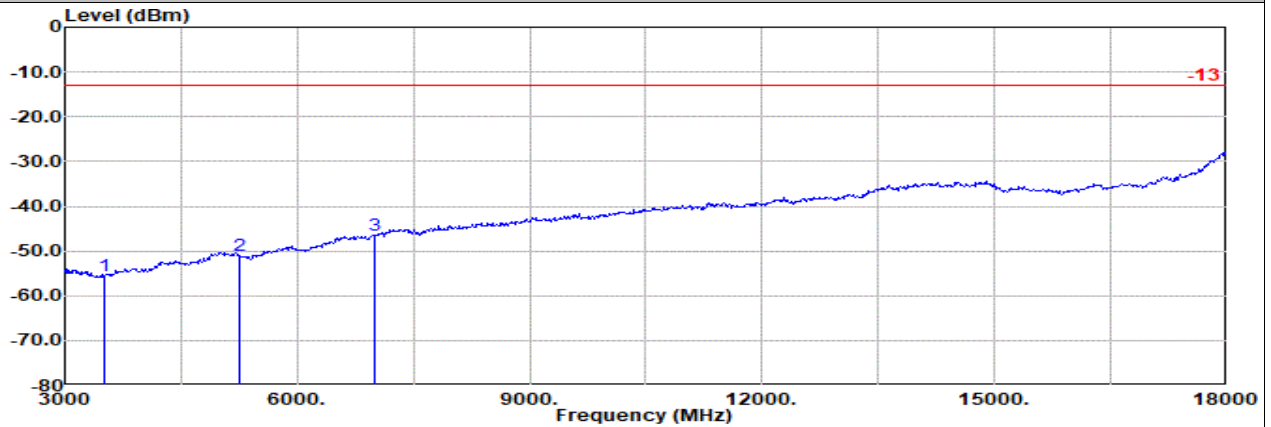


Ant. 1

Part 27L Mode 1

WCDMA B4 Ch1513

H

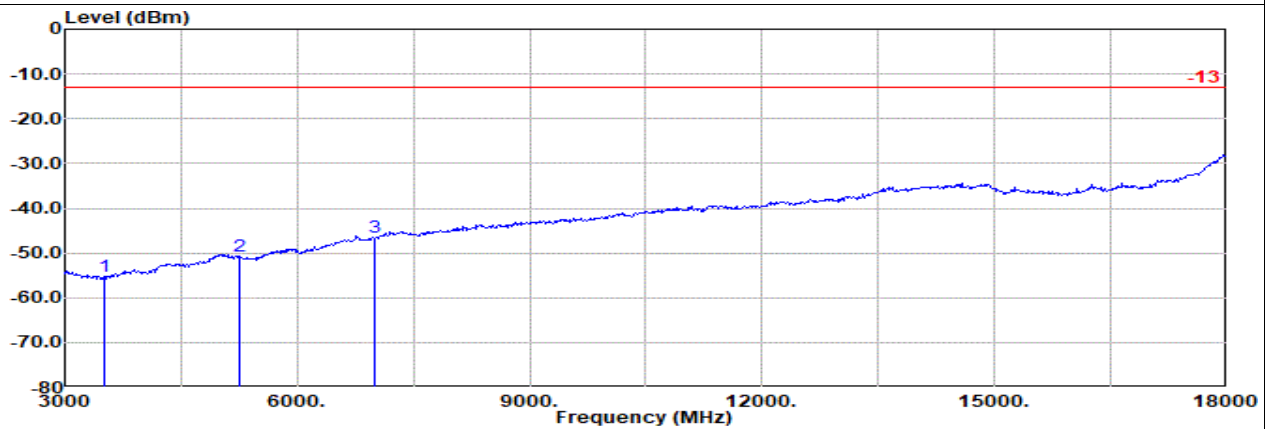


Site : 03CH12-HY

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

: WCDMA Band4 CH1513

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
					dB/m	dB						
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	3505.00	-55.51	RMS		29.61	-25.75	1.14	-95.23	34.72	-13.00	-42.51	Horizontal
2	5258.00	-51.11	RMS		33.27	-23.36	0.61	-95.23	33.60	-13.00	-38.11	Horizontal
3	7010.00	-46.53	RMS		36.24	-21.75	0.44	-95.23	33.77	-13.00	-33.53	Horizontal



Site : 03CH12-HY

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

: WCDMA Band4 CH1513

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
					dB/m	dB						
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	3505.00	-55.28	RMS		29.61	-25.75	1.14	-95.23	34.95	-13.00	-42.28	Vertical
2	5258.00	-50.73	RMS		33.27	-23.36	0.61	-95.23	33.98	-13.00	-37.73	Vertical
3	7010.00	-46.53	RMS		36.24	-21.75	0.44	-95.23	33.77	-13.00	-33.53	Vertical

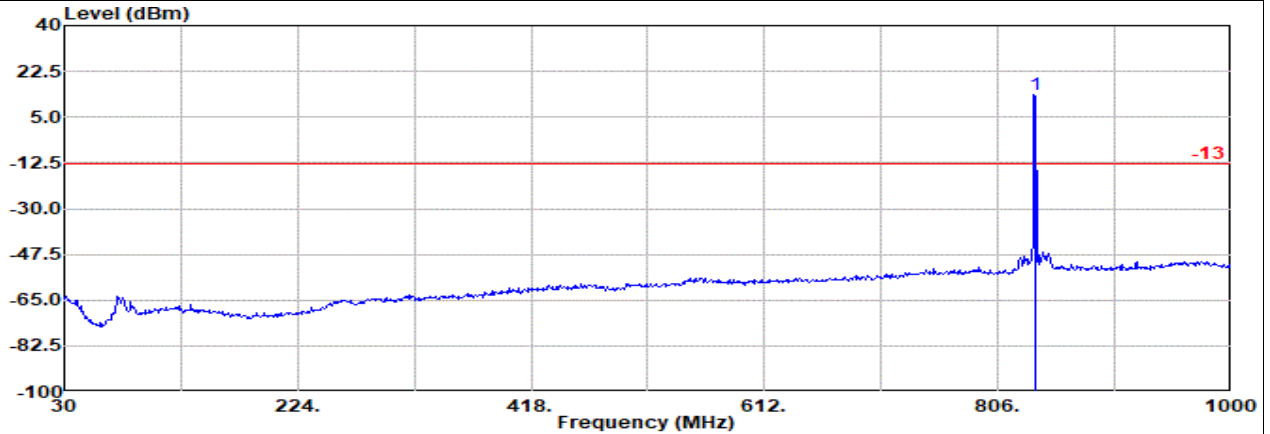


Ant. 0

Part 22H Mode 1

GSM 850 Ch189

M



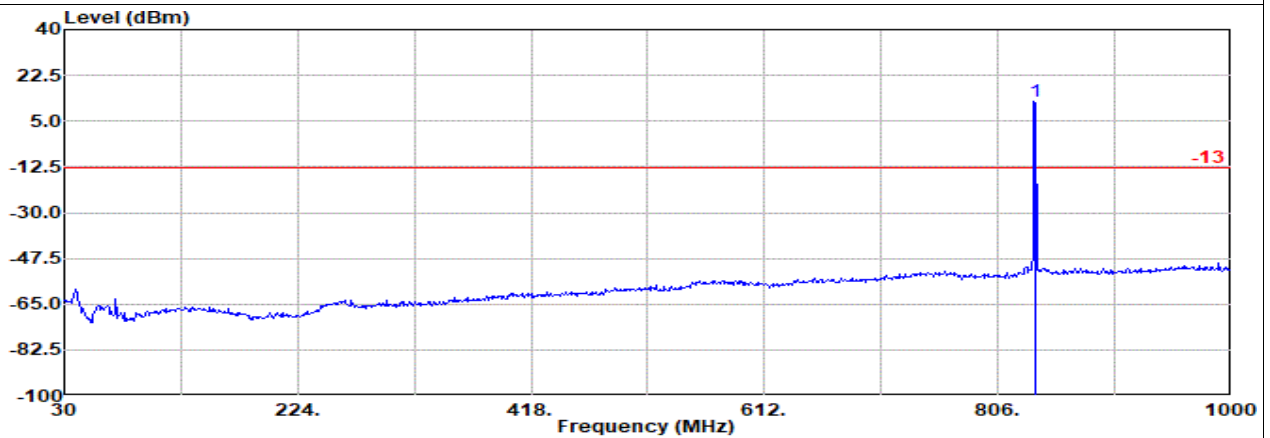
Site : 03CH12-HY

Condition: -13 3m Bilog_37059 & 01_251126 Horizontal

: GSM 850 Ch189

: #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	836.40	13.74	RMS	28.75	3.84	0.00	-95.23	76.38	-13.00	26.74	Horizontal



Site : 03CH12-HY

Condition: -13 3m Bilog_37059 & 01_251126 Vertical

: GSM 850 Ch189

: #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	836.40	12.50	RMS	28.75	3.84	0.00	-95.23	75.14	-13.00	25.50	Vertical