FCC RADIO TEST REPORT

FCC ID	:	**PY7-30515Z**
Equipment	:	**GSM/WCDMA/LTE/NR Phone with BT, DTS/UNII a/b/g/n/ac/ax/be, NFC, GNSS and WPT**
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 Dec. 17, 2025 and testing was performed from Dec. 27, 2025 to Jan. 29, 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
FG5N1805A	01	Initial issue of report	Mar. 10, 2026
FG5N1805A	02	Revise Test Mode This report is an updated version, replacing the report issued on Mar. 10, 2026.	Mar. 19, 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 §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 II) (WCDMA Band IV)	Pass	28.20 dB under the limit at 2480 MHz
Remark: Not required means after assessing, test items are not necessary to carry out.				

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: Aya Yang

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/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be, and BDS/Galileo/GLONASS/GPS/NFC/WPT
Antenna Type	WWAN: LOOP&PIFA Antenna

Support band and evaluated information	
Supported band	GSM850(GPRG850/EDGE850), GSM 1900(GPRS1900/EDGE 1900) WCDMA B2,B4,B5
Evaluated and Tested band	GSM850(GPRG850/EDGE850), GSM 1900(GPRS1900/EDGE 1900) WCDMA B2,B4,B5

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

Max Antenna Gain information(dBi)							
Band	**Ant 0**	**Ant 1**					**Main Ant. #**
GSM850	**-2.3**						**0**
GSM1900		**-0.8**					**1**
WCDMA B2		**-0.8**					**1**
WCDMA B4		**-1.5**					**1**
WCDMA B5	**-2.3**						**0**

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

EUT Information List			
HW Version	**SW Version**	**S/N**	**Performed Test Item**
A	0.198	MATA28000693	Conducted Measurement ERP/EIRP
	0.198	MATA28000251	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	Brand Name	Sony
	Model Name	XQZ-UB1

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	03CH07-HY
Test Engineer	Eric Wu	Jesse Wang, Stan Hsieh and Ken Wu
Temperature (℃)	21.1~23.1	17.5~24.6
Relative Humidity (%)	39.7~41.7	44.7~65.1

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 accessory (Adapter or Earphone) and WPT Charging, 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:

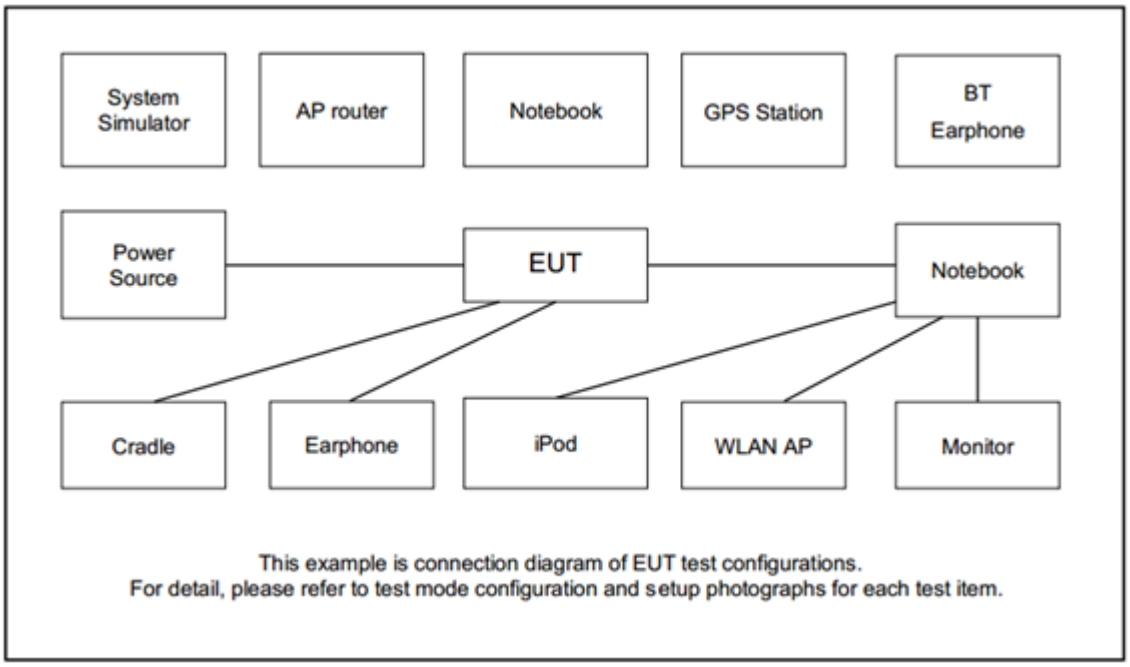
1. 30 MHz to 9000 MHz for GSM850 and WCDMA Band V
2. 30 MHz to 18000 MHz for WCDMA Band IV
3. 30 MHz to 19100 MHz for GSM1900 and WCDMA Band II

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

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration

Item	Equipment	Brand Name	FCC ID	Data Cable	Power Cord
1.	Base Station	Anritsu	N/A	N/A	N/A
2.	Base Station	R&S	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:

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

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 IV	Channel	1312	1413	1513
	Frequency	1712.4	1732.6	1752.6

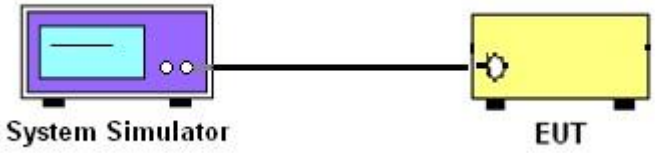
3 Conducted Test Result

3.1 Measuring Instruments

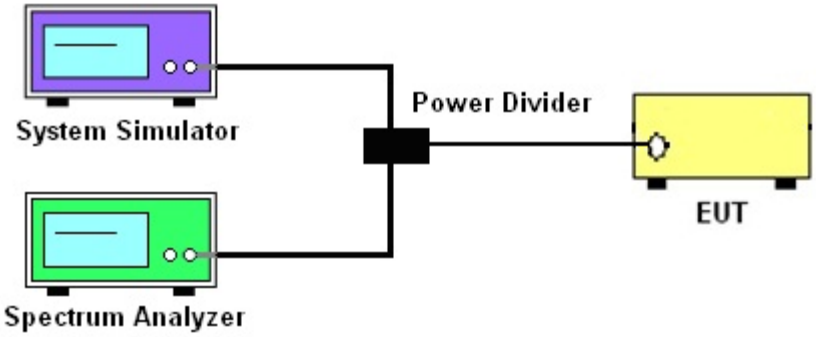
Please refer to the measuring equipment list in this test report.

3.1.1 Test Setup

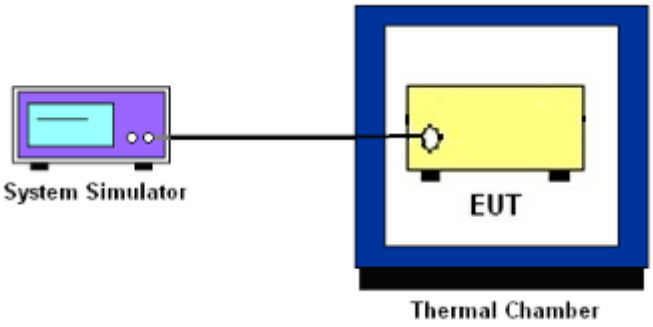
3.1.2 Conducted Output Power



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 + 10log(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 + 10log(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 ±0.00025% (±2.5ppm) 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±5° 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.

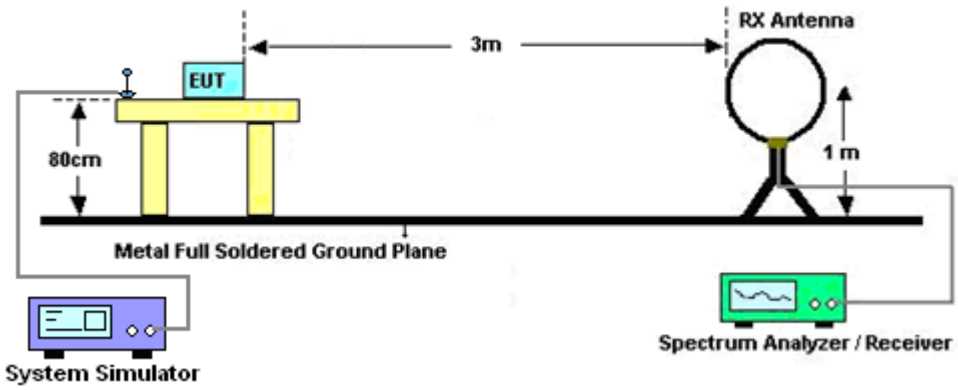
4 Radiated Test Items

4.1 Measuring Instruments

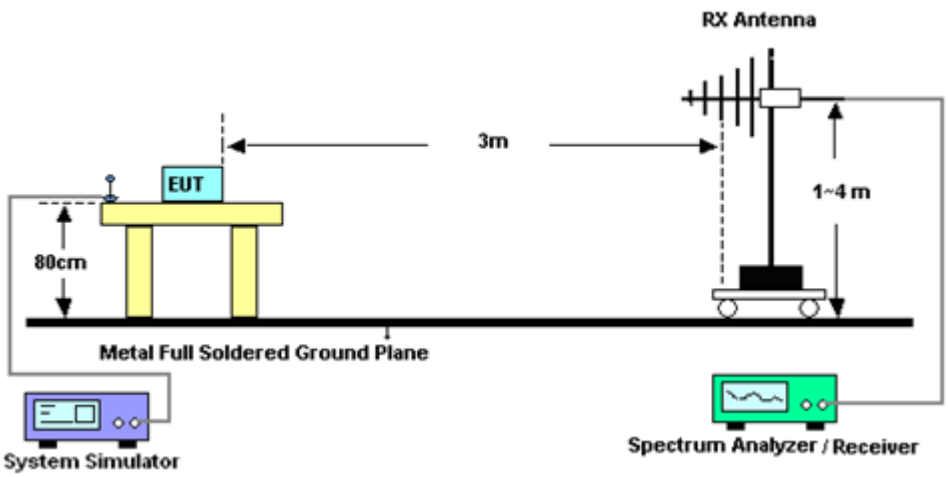
Please refer to the measuring equipment list in this test report.

4.2 Test Setup

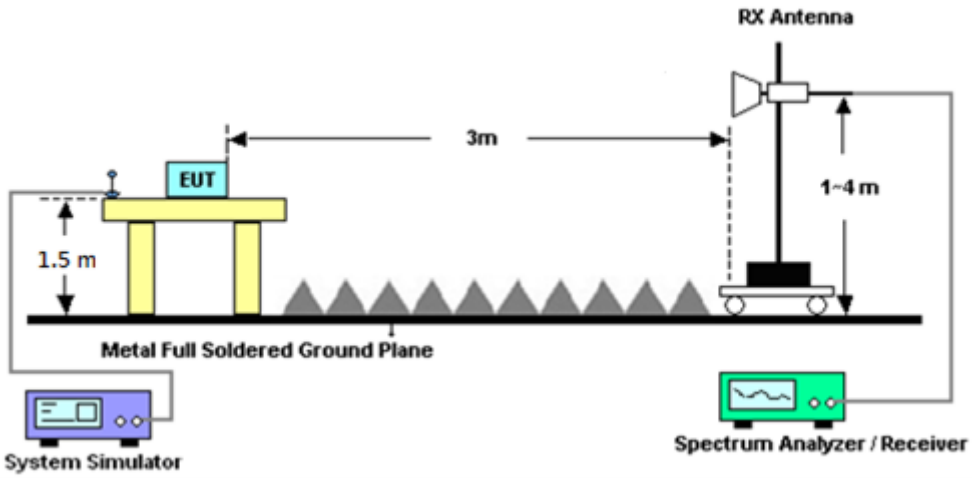
For radiated test below 30MHz



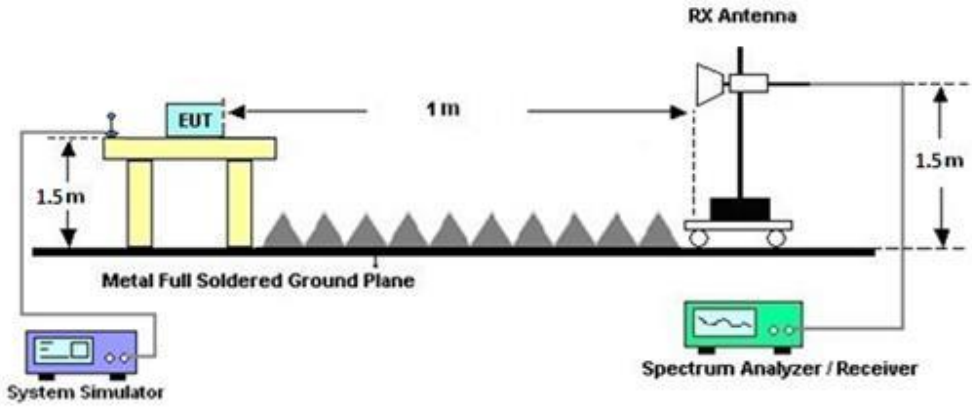
For radiated test from 30MHz to 1GHz



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)
   EIRP(dBm) = Level (dBuV/m) + 20log(d) -104.77,
   where d is the distance at which filed 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 + 10log(P) dB below the transmitter power P(Watts)

5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	Rohde & Schwarz	FSP30	101329	9kHz~30GHz	Sep. 30, 2025	Jan. 13, 2026~ Jan. 14, 2026	Sep. 29, 2026	Conducted (TH05-HY)
Universal Digital Radio COMM. Tester	Rohde & Schwarz	CMU200	117995	GSM / GPRS / WCDMA / CDMA	Aug. 14, 2025	Jan. 13, 2026~ Jan. 14, 2026	Aug. 13, 2026	Conducted (TH05-HY)
DC Power Supply	GW Instek	GPE-2323	GEU871221	0V~64V ; 0A~6A	Apr. 14, 2025	Jan. 13, 2026~ Jan. 14, 2026	Apr. 13, 2026	Conducted (TH05-HY)
Temperature & Humidity Cabinet Chamber	ESPEC	SU-241	92003713	-30℃ ~95℃	May. 12, 2025	Jan. 13, 2026~ Jan. 14, 2026	May. 11, 2026	Conducted (TH05-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	N/A	Mar. 03, 2025	Jan. 13, 2026~ Jan. 14, 2026	Mar. 02, 2026	Conducted (TH05-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	35419 & 03	30MHz~1GHz	Apr. 21, 2025	Dec. 27, 2025~ Jan. 29, 2026	Apr. 20, 2026	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Mar. 06, 2025	Dec. 27, 2025~ Jan. 29, 2026	Mar. 05, 2026	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590075	1GHz~18GHz	Apr. 18, 2025	Dec. 27, 2025~ Jan. 29, 2026	Apr. 17, 2026	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Aug. 08, 2025	Dec. 27, 2025~ Jan. 29, 2026	Aug. 07, 2026	Radiation (03CH07-HY)
Signal Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Mar. 28, 2025	Dec. 27, 2025~ Jan. 29, 2026	Mar. 27, 2026	Radiation (03CH07-HY)
Double Ridged Guide Horn Antenna	ETS-Lindgren	3117	00075962	1GHz ~ 18GHz	Dec. 09, 2025	Dec. 27, 2025~ Jan. 29, 2026	Dec. 08, 2026	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4 MY24971/4 MY15682/4	30MHz to 18GHz	Feb. 20, 2025	Dec. 27, 2025~ Jan. 29, 2026	Feb. 19, 2026	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4 MY24971/4	9kHz to 30MHz	Feb. 20, 2025	Dec. 27, 2025~ Jan. 29, 2026	Feb. 19, 2026	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 13, 2025	Dec. 27, 2025~ Jan. 29, 2026	Sep. 12, 2026	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 20, 2025	Dec. 27, 2025~ Jan. 29, 2026	Feb. 19, 2026	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 23, 2025	Dec. 27, 2025~ Jan. 29, 2026	Apr. 22, 2026	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Dec. 27, 2025~ Jan. 29, 2026	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Dec. 27, 2025~ Jan. 29, 2026	N/A	Radiation (03CH07-HY)
Antenna Mast	MF	MF-7802	N/A	Control Turn table	N/A	Dec. 27, 2025~ Jan. 29, 2026	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Dec. 27, 2025~ Jan. 29, 2026	N/A	Radiation (03CH07-HY)
Software	Audix	E3	RK-002396	N/A	N/A	Dec. 27, 2025~ Jan. 29, 2026	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Feb. 24, 2025	Dec. 27, 2025~ Jan. 29, 2026	Feb. 23, 2026	Radiation (03CH07-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	00991	18GHz-40GHz	May. 29, 2025	Dec. 27, 2025~ Jan. 29, 2026	May. 28, 2026	Radiation (03CH07-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))	6.3 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.7 dB

Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.5 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 = -2.3 dB)					
Channel	128	189	251	ERP (dBm)	ERP (W)
Frequency	824.2	836.4	848.8		
GSM 1 Tx slot	29.18	29.29	29.45	25.03	0.3184
GPRS 1 Tx slot	29.19	29.32	29.48		
GPRS 2 Tx slots	26.31	26.33	26.52		
GPRS 3 Tx slots	24.61	24.67	24.87		
GPRS 4 Tx slots	23.26	23.35	23.39		
EDGE 1 Tx slot	25.32	24.97	24.85	20.87	0.1222
EDGE 2 Tx slots	24.44	24.00	23.92		
EDGE 3 Tx slots	23.04	23.26	22.49		
EDGE 4 Tx slots	21.83	21.94	21.37		
Limit	ERP < 7W			Result	Pass

GSM1900 Maximum Average Power [dBm] (GT - LC = -0.8 dB)					
Channel	512	661	810	EIRP (dBm)	EIRP (W)
Frequency	1850.2	1880	1909.8		
GSM 1 Tx slot	26.99	26.50	26.54	26.20	0.4169
GPRS 1 Tx slot	27.00	26.52	26.55		
GPRS 2 Tx slots	23.73	24.00	23.60		
GPRS 3 Tx slots	21.93	21.97	21.85		
GPRS 4 Tx slots	20.66	20.85	20.65		
EDGE 1 Tx slot	25.30	25.29	25.46	24.66	0.2924
EDGE 2 Tx slots	23.24	23.73	23.98		
EDGE 3 Tx slots	21.53	21.95	21.96		
EDGE 4 Tx slots	20.27	20.94	19.91		
Limit	EIRP < 2W			Result	Pass

WCDMA Band V Maximum Average Power [dBm] (GT - LC = -2.3 dB)					
Channel	4132	4182	4233	ERP (dBm)	ERP (W)
Frequency	826.4	836.4	846.6		
RMC 12.2K	16.75	17.24	17.23	12.79	0.0190
HSDPA Subtest-1	15.82	16.28	16.23		
HSDPA Subtest-2	15.81	16.27	16.25		
HSDPA Subtest-3	15.01	15.21	15.34		
HSDPA Subtest-4	15.03	15.21	15.75		
HSUPA Subtest-1	16.14	16.20	16.20		
HSUPA Subtest-2	14.21	14.19	14.16		
HSUPA Subtest-3	15.16	15.21	15.12		
HSUPA Subtest-4	14.17	14.20	14.20		
HSUPA Subtest-5	16.20	16.10	16.20		
Limit	ERP < 7W			Result	Pass

WCDMA Band II Maximum Average Power [dBm] (GT - LC = -0.8 dB)					
Channel	**9262**	**9400**	**9538**	**EIRP (dBm)**	**EIRP (W)**
Frequency	**1852.4**	**1880**	**1907.6**		
RMC 12.2K	14.04	**14.14**	14.03	13.34	0.0216
HSDPA Subtest-1	12.58	13.16	13.11		
HSDPA Subtest-2	12.58	13.14	13.10		
HSDPA Subtest-3	12.07	12.69	12.58		
HSDPA Subtest-4	12.07	12.60	12.59		
HSUPA Subtest-1	12.95	13.05	12.99		
HSUPA Subtest-2	10.90	11.09	10.97		
HSUPA Subtest-3	11.87	12.04	12.00		
HSUPA Subtest-4	10.91	11.03	10.97		
HSUPA Subtest-5	12.90	13.10	13.00		
Limit	EIRP < 2W			Result	Pass

WCDMA Band IV Maximum Average Power [dBm] (GT - LC = -1.5 dB)					
Channel	**1312**	**1413**	**1513**	**EIRP (dBm)**	**EIRP (W)**
Frequency	**1712.4**	**1732.6**	**1752.6**		
RMC 12.2K	14.29	**14.30**	14.17	12.80	0.0191
HSDPA Subtest-1	13.34	13.28	13.19		
HSDPA Subtest-2	13.32	13.27	13.16		
HSDPA Subtest-3	12.78	12.78	12.71		
HSDPA Subtest-4	12.77	12.73	12.71		
HSUPA Subtest-1	13.24	13.20	13.10		
HSUPA Subtest-2	11.19	11.16	11.14		
HSUPA Subtest-3	12.24	12.16	12.06		
HSUPA Subtest-4	11.26	11.22	11.11		
HSUPA Subtest-5	13.20	13.20	13.10		
Limit	EIRP < 1W			Result	Pass

A2. GSM

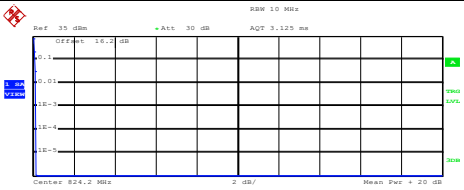
Peak-to-Average Ratio

Mode	GSM850		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.16	3.32	PASS
Middle CH	0.12	3.16	
Highest CH	0.12	3.28	

Mode	GSM1900		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.20	3.00	PASS
Middle CH	0.20	3.12	
Highest CH	0.20	3.12	

GSM850 (GPRS class 8)

Lowest Channel

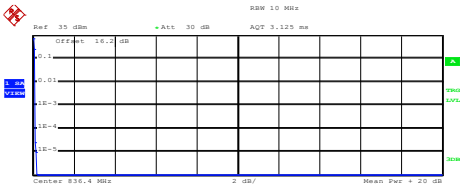


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	32.09 dBm
Peak	32.22 dBm
Crest	0.13 dB
10 %	0.12 dB
1 %	0.16 dB
.1 %	0.16 dB
.01 %	0.16 dB

Date: 14.JAN.2026 14:43:34

Middle Channel

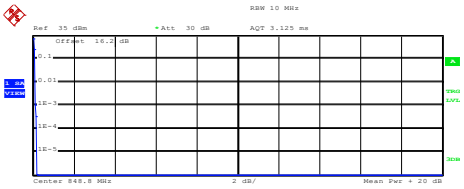


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	31.82 dBm
Peak	32.01 dBm
Crest	0.18 dB
10 %	0.12 dB
1 %	0.12 dB
.1 %	0.12 dB
.01 %	0.12 dB

Date: 14.JAN.2026 14:44:06

Highest Channel



Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	32.11 dBm
Peak	32.29 dBm
Crest	0.18 dB
10 %	0.12 dB
1 %	0.12 dB
.1 %	0.12 dB
.01 %	0.20 dB

Date: 14.JAN.2026 14:44:34

GSM850 (EDGE class 8)

Lowest Channel

Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	24.88 dBm
Peak	28.27 dBm
Crest	3.38 dB
10 %	2.64 dB
1 %	3.20 dB
.1 %	3.32 dB
.01 %	3.36 dB

Date: 14.JAN.2026 14:22:07

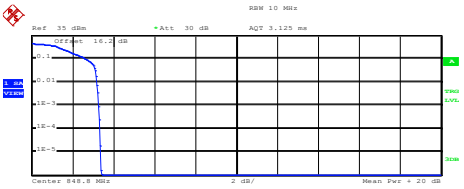
Middle Channel

Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	25.26 dBm
Peak	28.48 dBm
Crest	3.22 dB
10 %	2.56 dB
1 %	3.08 dB
.1 %	3.16 dB
.01 %	3.16 dB

Date: 14.JAN.2026 14:22:33

Highest Channel



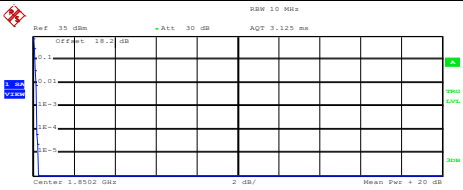
Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	25.01 dBm
Peak	28.41 dBm
Crest	3.40 dB
10 %	2.64 dB
1 %	3.20 dB
.1 %	3.28 dB
.01 %	3.36 dB

Date: 14.JAN.2026 14:23:01

GSM1900 (GPRS class 8)

Lowest Channel

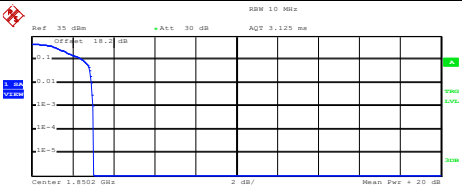


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	29.42 dBm
Peak	29.68 dBm
Crest	0.26 dB
10 %	0.12 dB
1 %	0.16 dB
.1 %	0.20 dB
.01 %	0.20 dB

Date: 14.JAN.2026 15:20:21

Lowest Channel

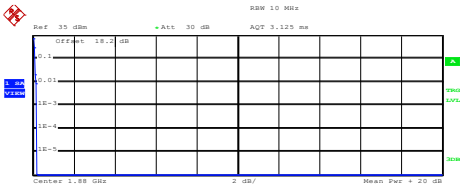


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	25.75 dBm
Peak	28.76 dBm
Crest	3.02 dB
10 %	2.48 dB
1 %	2.92 dB
.1 %	3.00 dB
.01 %	3.04 dB

Date: 14.JAN.2026 15:02:35

Middle Channel

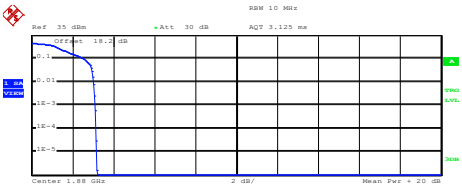


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	29.85 dBm
Peak	30.03 dBm
Crest	0.19 dB
10 %	0.12 dB
1 %	0.16 dB
.1 %	0.20 dB
.01 %	0.20 dB

Date: 14.JAN.2026 15:20:48

Middle Channel

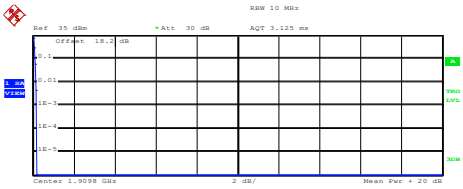


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	25.42 dBm
Peak	28.62 dBm
Crest	3.20 dB
10 %	2.56 dB
1 %	3.04 dB
.1 %	3.12 dB
.01 %	3.16 dB

Date: 14.JAN.2026 15:03:05

Highest Channel

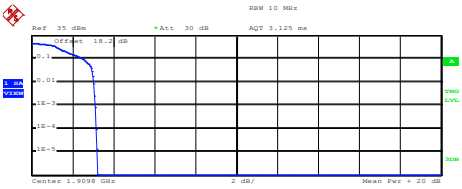


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	29.62 dBm
Peak	29.82 dBm
Crest	0.20 dB
10 %	0.12 dB
1 %	0.16 dB
.1 %	0.20 dB
.01 %	0.20 dB

Date: 14.JAN.2026 15:21:15

Highest Channel



Complementary Cumulative Distribution Function (100000 samples)

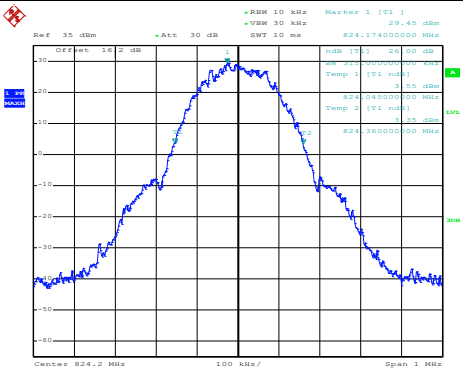
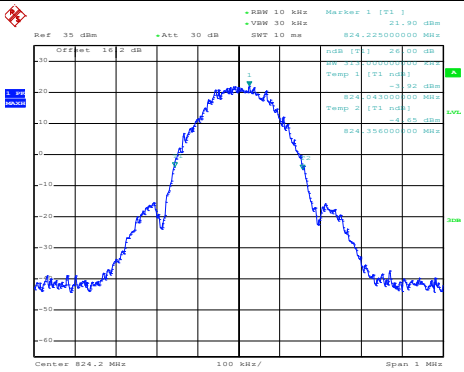
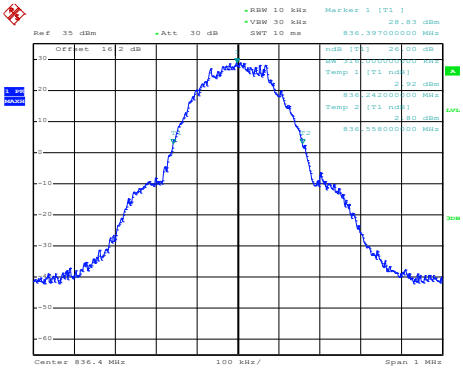
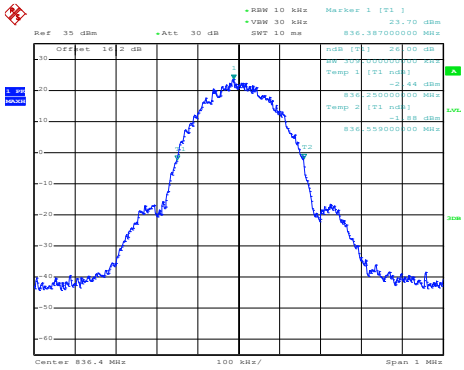
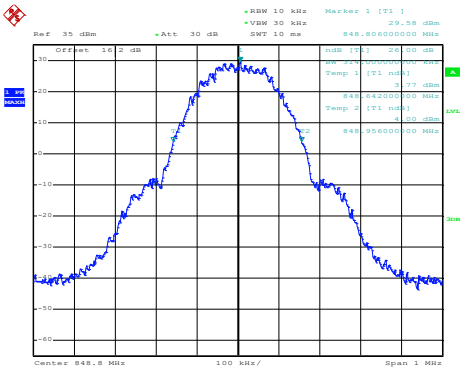
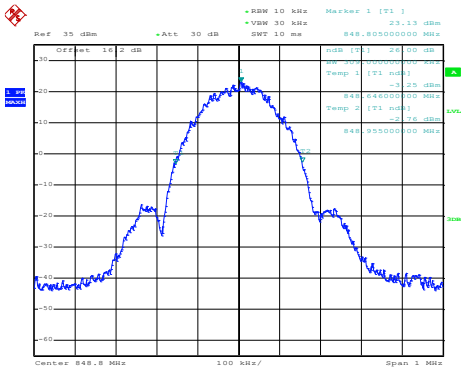
	Trace 1
Mean	25.35 dBm
Peak	28.55 dBm
Crest	3.20 dB
10 %	2.52 dB
1 %	3.04 dB
.1 %	3.12 dB
.01 %	3.16 dB

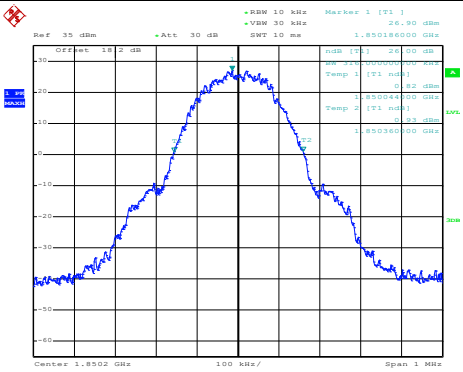
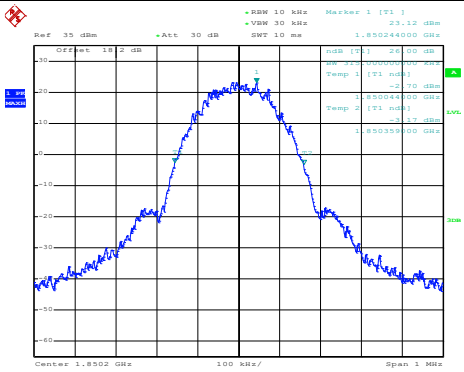
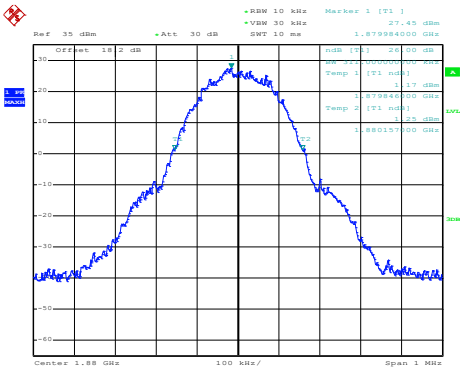
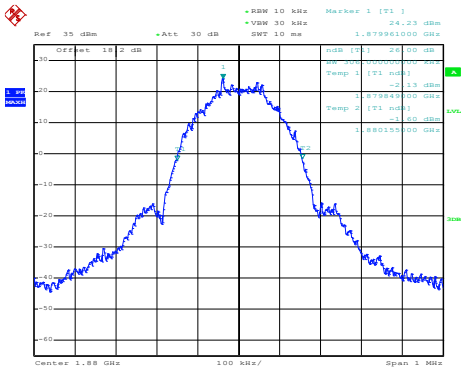
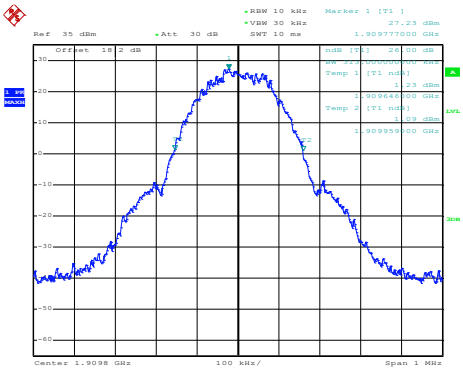
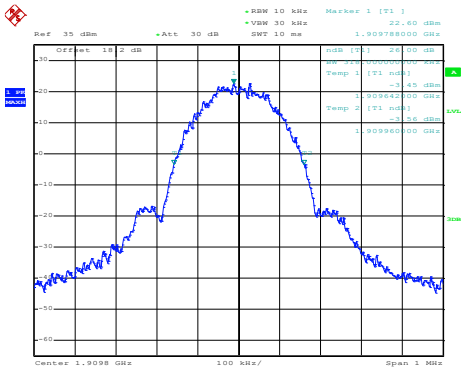
Date: 14.JAN.2026 15:03:34

26dB Bandwidth

Mode	GSM850 : 26dB BW(MHz)	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.315	0.313
Middle CH	0.316	0.309
Highest CH	0.314	0.309

Mode	GSM1900 : 26dB BW(MHz)	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.316	0.315
Middle CH	0.311	0.306
Highest CH	0.313	0.318

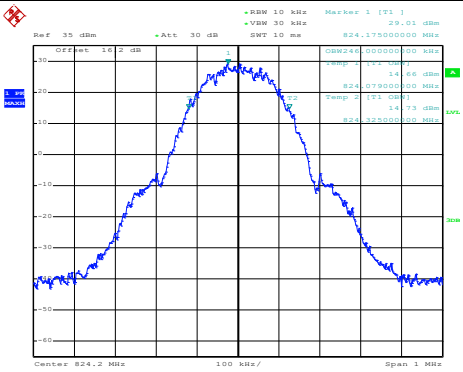
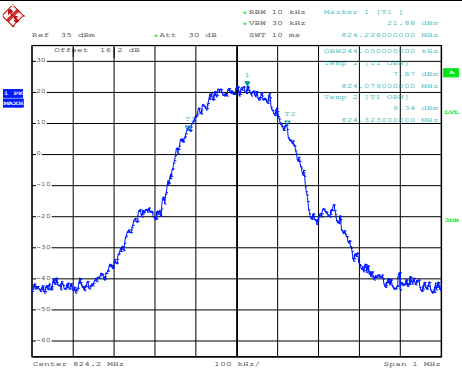
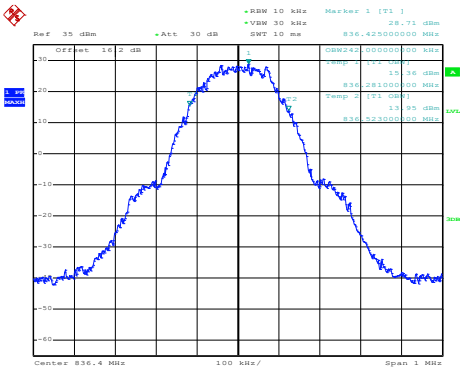
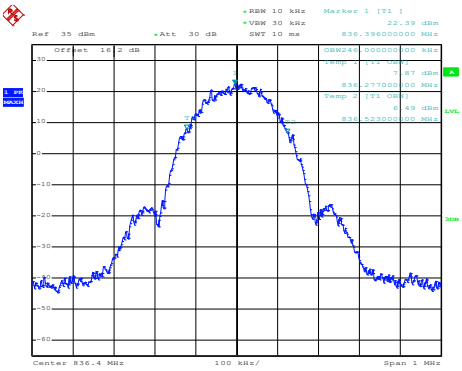
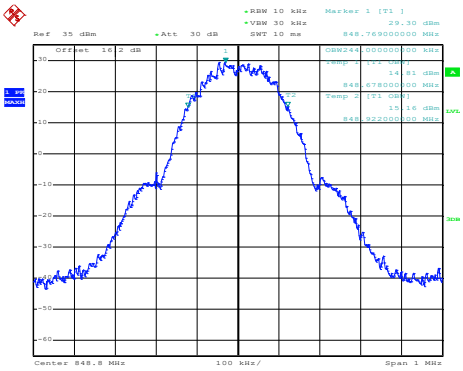
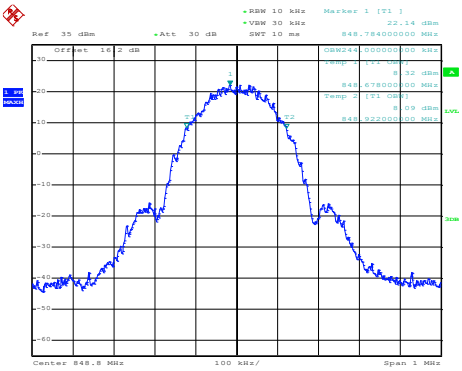
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 14.JAN.2026 14:27:14	Date: 14.JAN.2026 14:08:40
Middle Channel	**Middle Channel**
	
Date: 14.JAN.2026 14:28:21	Date: 14.JAN.2026 14:09:32
Highest Channel	**Highest Channel**
	
Date: 14.JAN.2026 14:29:11	Date: 14.JAN.2026 14:10:22

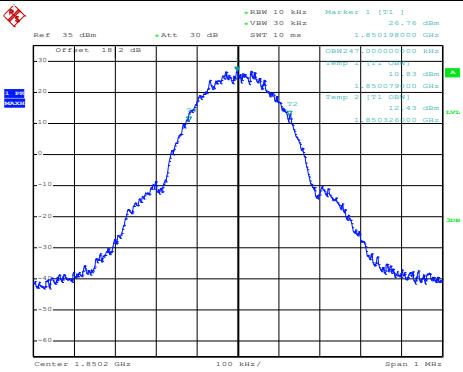
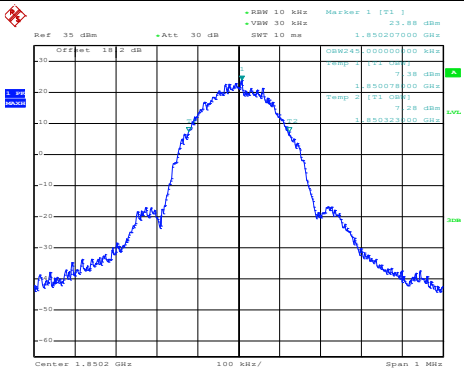
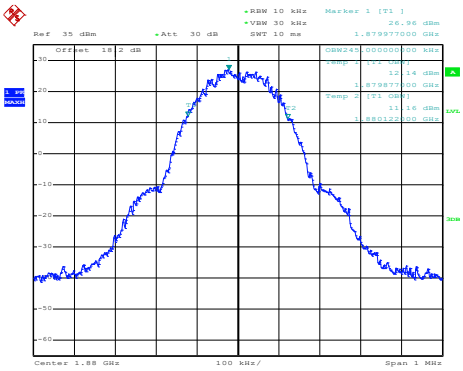
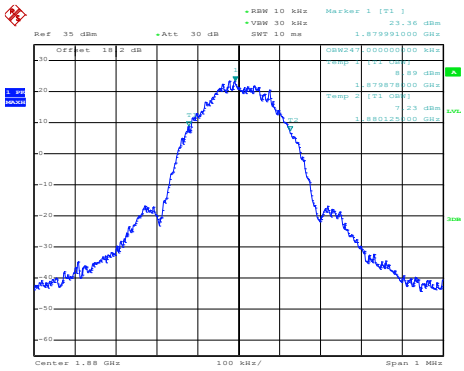
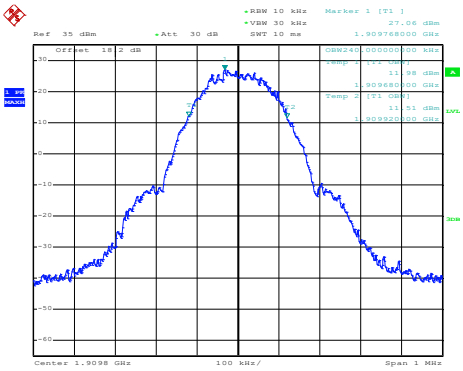
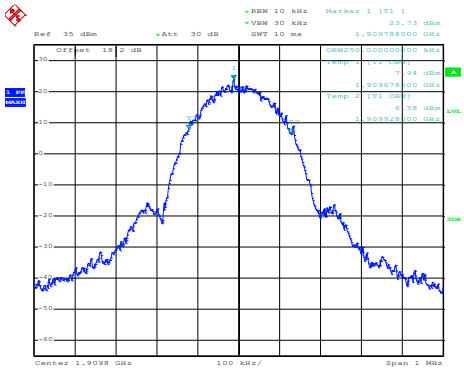
GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 14.JAN.2026 15:07:24	Date: 14.JAN.2026 14:49:32
Middle Channel	**Middle Channel**
	
Date: 14.JAN.2026 15:08:10	Date: 14.JAN.2026 14:50:21
Highest Channel	**Highest Channel**
	
Date: 14.JAN.2026 15:08:53	Date: 14.JAN.2026 14:51:10

Occupied Bandwidth

Mode	GSM850 : 99%OBW(MHz)	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.246	0.244
Middle CH	0.242	0.246
Highest CH	0.244	0.244

Mode	GSM1900 : 99%OBW(MHz)	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.247	0.245
Middle CH	0.245	0.247
Highest CH	0.240	0.250

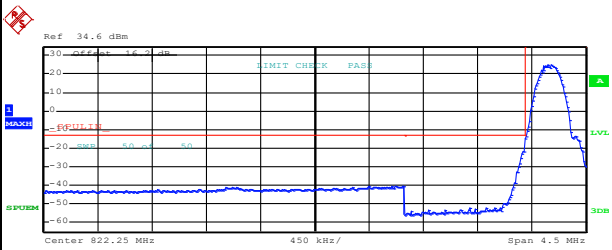
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 14.JAN.2026 14:30:38	Date: 14.JAN.2026 14:11:31
Middle Channel	**Middle Channel**
	
Date: 14.JAN.2026 14:31:24	Date: 14.JAN.2026 14:12:17
Highest Channel	**Highest Channel**
	
Date: 14.JAN.2026 14:32:08	Date: 14.JAN.2026 14:13:03

GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 14.JAN.2026 15:10:06	Date: 14.JAN.2026 14:52:21
Middle Channel	**Middle Channel**
	
Date: 14.JAN.2026 15:10:51	Date: 14.JAN.2026 14:53:12
Highest Channel	**Highest Channel**
	
Date: 14.JAN.2026 15:11:34	Date: 14.JAN.2026 14:53:53

Conducted Band Edge

GSM850 (GPRS class 8)

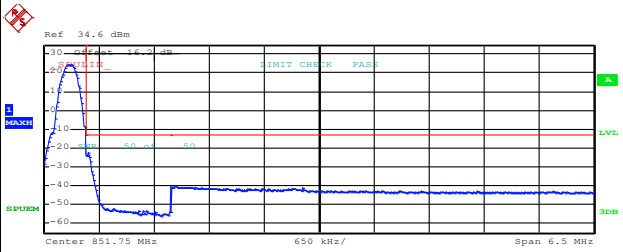
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
820.000 M	823.000 M	100.00 k	822.925000 M	-40.52	-27.52
823.000 M	824.000 M	3.00 k	823.976000 M	-22.11	-9.11
824.000 M	824.500 M	10.00 k	824.180500 M	24.97	-10.03

Date: 14.JAN.2026 14:37:28

Highest Band Edge

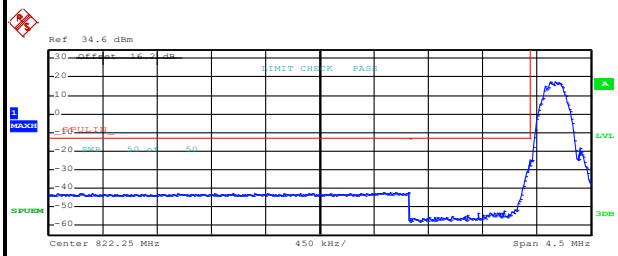


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
848.500 M	849.000 M	10.00 k	848.782000 M	24.53	-10.47
849.000 M	850.000 M	3.00 k	849.020000 M	-22.61	-9.61
850.000 M	855.000 M	100.00 k	850.045000 M	-40.04	-27.04

Date: 14.JAN.2026 14:39:11

GSM850 (EDGE class 8)

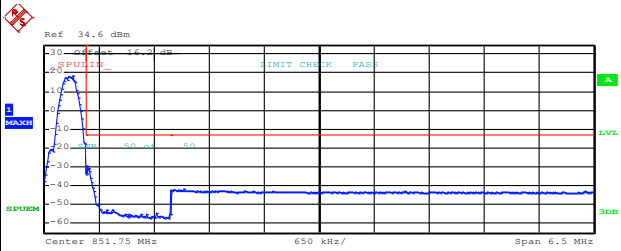
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
820.000 M	823.000 M	100.00 k	822.877000 M	-42.07	-29.07
823.000 M	824.000 M	3.00 k	823.988000 M	-27.58	-14.58
824.000 M	824.500 M	10.00 k	824.207000 M	17.42	-17.58

Date: 14.JAN.2026 14:15:21

Highest Band Edge

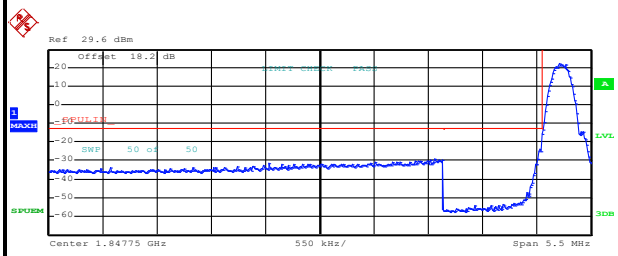


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
848.500 M	849.000 M	10.00 k	848.832500 M	18.55	-16.45
849.000 M	850.000 M	3.00 k	849.004000 M	-29.36	-16.36
850.000 M	855.000 M	100.00 k	850.150000 M	-41.92	-28.92

Date: 14.JAN.2026 14:17:33

GSM1900 (GPRS class 8)

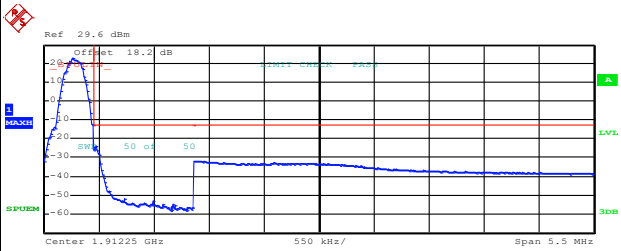
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848908 G	-29.18	-16.18
1.849 G	1.850 G	3.00 k	1.849980 G	-23.72	-10.72
1.850 G	1.851 G	10.00 k	1.850183 G	22.28	-12.72

Date: 14.JAN.2026 15:13:50

Highest Band Edge

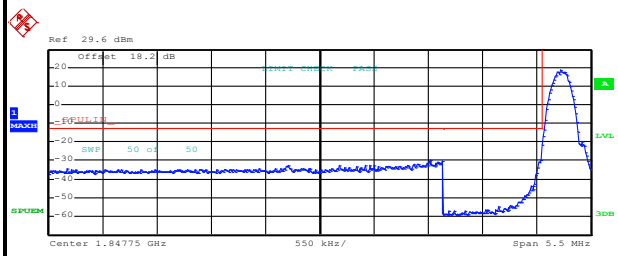


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909790 G	22.83	-12.17
1.910 G	1.911 G	3.00 k	1.910016 G	-23.69	-10.69
1.911 G	1.915 G	1.00 M	1.911004 G	-31.81	-18.81

Date: 14.JAN.2026 15:15:37

GSM1900 (EDGE class 8)

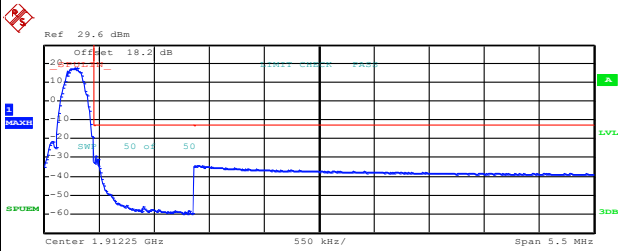
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848864 G	-29.65	-16.65
1.849 G	1.850 G	3.00 k	1.849992 G	-29.49	-16.49
1.850 G	1.851 G	10.00 k	1.850197 G	19.01	-15.99

Date: 14.JAN.2026 14:56:05

Highest Band Edge



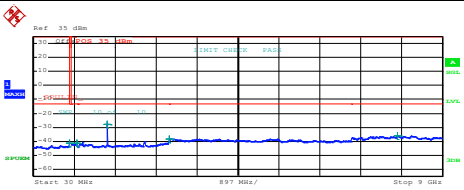
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909826 G	17.56	-17.44
1.910 G	1.911 G	3.00 k	1.910012 G	-29.04	-16.04
1.911 G	1.915 G	1.00 M	1.911008 G	-34.58	-21.58

Date: 14.JAN.2026 14:57:50

Conducted Spurious Emission

GSM850 (GPRS class 8)

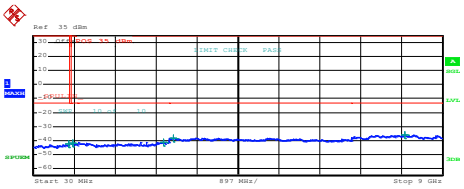
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	818.815000 M	-41.05	-28.05
855.000 M	1.000 G	1.00 M	984.702509 M	-41.30	-28.30
1.000 G	3.000 G	1.00 M	1.648500 G	-27.77	-14.77
3.000 G	7.000 G	1.00 M	3.017000 G	-38.17	-25.17
7.000 G	9.000 G	1.00 M	8.019500 G	-35.97	-22.97

Date: 14.JAN.2026 14:40:32

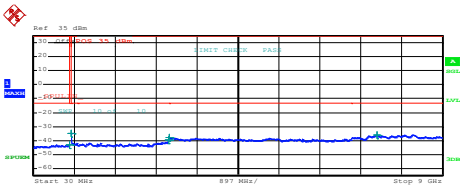
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	802.422500 M	-42.48	-29.48
855.000 M	1.000 G	1.00 M	884.435002 M	-41.77	-28.77
1.000 G	3.000 G	1.00 M	2.888500 G	-41.05	-28.05
3.000 G	7.000 G	1.00 M	3.102000 G	-38.37	-25.37
7.000 G	9.000 G	1.00 M	8.173500 G	-36.08	-23.08

Date: 14.JAN.2026 14:41:44

Highest Channel

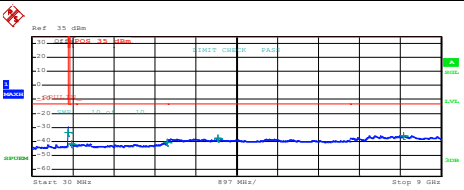


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	812.890000 M	-42.91	-29.91
855.000 M	1.000 G	1.00 M	855.036250 M	-34.83	-21.83
1.000 G	3.000 G	1.00 M	2.988500 G	-39.71	-26.71
3.000 G	7.000 G	1.00 M	3.003000 G	-38.05	-25.05
7.000 G	9.000 G	1.00 M	7.556000 G	-35.83	-22.83

Date: 14.JAN.2026 14:42:45

GSM850 (EDGE class 8)

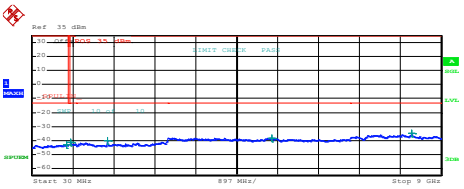
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	819.802500 M	-33.88	-20.88
855.000 M	1.000 G	1.00 M	885.558752 M	-41.97	-28.97
1.000 G	3.000 G	1.00 M	2.999000 G	-40.81	-27.81
3.000 G	7.000 G	1.00 M	4.096000 G	-38.03	-25.03
7.000 G	9.000 G	1.00 M	8.169000 G	-36.01	-23.01

Date: 14.JAN.2026 14:18:58

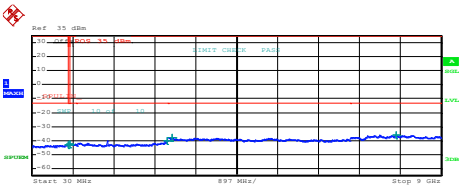
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	790.967500 M	-43.26	-30.26
855.000 M	1.000 G	1.00 M	867.361251 M	-41.15	-28.15
1.000 G	3.000 G	1.00 M	1.672500 G	-40.08	-27.08
3.000 G	7.000 G	1.00 M	5.282000 G	-38.20	-25.20
7.000 G	9.000 G	1.00 M	8.356500 G	-34.90	-21.90

Date: 14.JAN.2026 14:20:00

Highest Channel

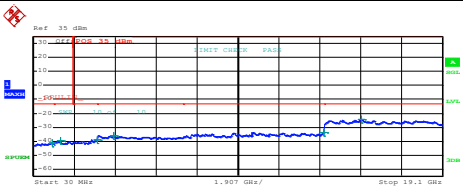


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	811.112500 M	-42.99	-29.99
855.000 M	1.000 G	1.00 M	855.362500 M	-42.30	-29.30
1.000 G	3.000 G	1.00 M	2.990000 G	-40.37	-27.37
3.000 G	7.000 G	1.00 M	3.089000 G	-37.95	-24.95
7.000 G	9.000 G	1.00 M	8.009500 G	-36.07	-23.07

Date: 14.JAN.2026 14:21:19

GSM1900 (GPRS class 8)

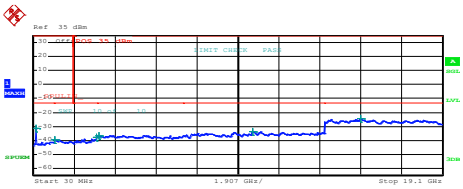
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	891.360000 M	-41.16	-28.16
1.000 G	1.845 G	1.00 M	1.272935 G	-39.75	-26.75
1.915 G	3.000 G	1.00 M	2.994304 G	-39.25	-26.25
3.000 G	7.000 G	1.00 M	3.763000 G	-35.79	-22.79
7.000 G	13.600 G	1.00 M	13.562050 G	-33.68	-20.68
13.600 G	19.100 G	1.00 M	15.336625 G	-24.40	-11.40

Date: 14.JAN.2026 15:16:57

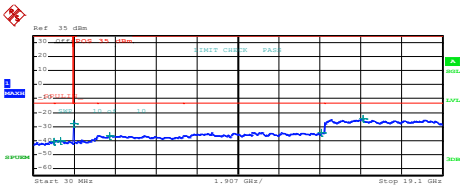
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	141.792500 M	-31.26	-18.26
1.000 G	1.845 G	1.00 M	1.039715 G	-39.74	-26.74
1.915 G	3.000 G	1.00 M	2.975316 G	-37.96	-24.96
3.000 G	7.000 G	1.00 M	3.089000 G	-36.41	-23.41
7.000 G	13.600 G	1.00 M	10.247200 G	-33.86	-20.86
13.600 G	19.100 G	1.00 M	15.279563 G	-24.59	-11.59

Date: 14.JAN.2026 15:18:01

Highest Channel

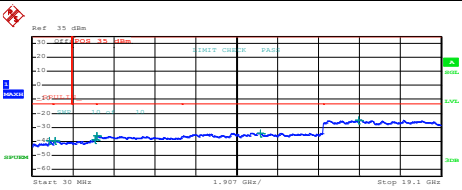


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	993.695000 M	-40.66	-27.66
1.000 G	1.845 G	1.00 M	1.280751 G	-39.95	-26.95
1.915 G	3.000 G	1.00 M	1.915271 G	-27.92	-14.92
3.000 G	7.000 G	1.00 M	3.565000 G	-36.42	-23.42
7.000 G	13.600 G	1.00 M	13.460575 G	-34.16	-21.16
13.600 G	19.100 G	1.00 M	15.395750 G	-24.61	-11.61

Date: 14.JAN.2026 15:19:02

GSM1900 (EDGE class 8)

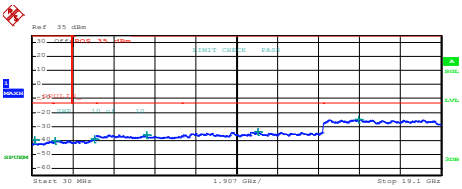
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	844.315000 M	-39.84	-26.84
1.000 G	1.845 G	1.00 M	1.093795 G	-39.59	-26.59
1.915 G	3.000 G	1.00 M	2.976401 G	-38.73	-25.73
3.000 G	7.000 G	1.00 M	3.035000 G	-36.27	-23.27
7.000 G	13.600 G	1.00 M	10.687750 G	-34.04	-21.04
13.600 G	19.100 G	1.00 M	15.263750 G	-24.82	-11.82

Date: 14.JAN.2026 14:59:15

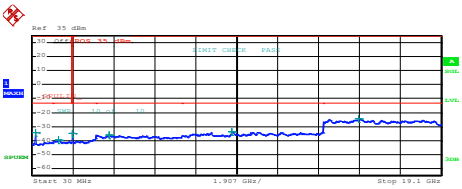
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	141.550000 M	-39.79	-26.79
1.000 G	1.845 G	1.00 M	1.093584 G	-40.00	-27.00
1.915 G	3.000 G	1.00 M	2.932459 G	-39.19	-26.19
3.000 G	7.000 G	1.00 M	5.382000 G	-35.89	-22.89
7.000 G	13.600 G	1.00 M	10.554925 G	-33.97	-20.97
13.600 G	19.100 G	1.00 M	15.239688 G	-24.74	-11.74

Date: 14.JAN.2026 15:00:16

Highest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	171.377500 M	-34.58	-21.58
1.000 G	1.845 G	1.00 M	1.256669 G	-39.54	-26.54
1.915 G	3.000 G	1.00 M	1.915542 G	-34.80	-21.80
3.000 G	7.000 G	1.00 M	3.634000 G	-35.82	-22.82
7.000 G	13.600 G	1.00 M	9.343825 G	-33.80	-20.80
13.600 G	19.100 G	1.00 M	15.237625 G	-24.49	-11.49

Date: 14.JAN.2026 15:01:25

Frequency Stability

Test Conditions	Middle Channel	GSM850 (GPRS class 8)	GSM850 (EDGE class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0084	0.0323	PASS
40	Normal Voltage	0.0036	0.0024	
30	Normal Voltage	0.0024	0.0371	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0060	0.0024	
0	Normal Voltage	0.0060	0.0060	
-10	Normal Voltage	0.0191	0.0347	
-20	Normal Voltage	0.0167	0.0407	
-30	Normal Voltage	0.0215	0.0454	
20	Maximum Voltage	0.0132	0.0263	
20	Normal Voltage	0.0072	0.0203	
20	Minimum Voltage	0.0120	0.0251	

Test Conditions	Middle Channel	GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0101	0.0165	PASS
40	Normal Voltage	0.0090	0.0144	
30	Normal Voltage	0.0027	0.0128	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0027	0.0005	
0	Normal Voltage	0.0085	0.0096	
-10	Normal Voltage	0.0074	0.0085	
-20	Normal Voltage	0.0122	0.0122	
-30	Normal Voltage	0.0059	0.0106	
20	Maximum Voltage	0.0053	0.0032	
20	Normal Voltage	0.0005	0.0037	
20	Minimum Voltage	0.0037	0.0053	

Note:

1. Normal Voltage = 3.89V. ；Minimum Voltage = 3.5 V.；Maximum Voltage =4.28 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

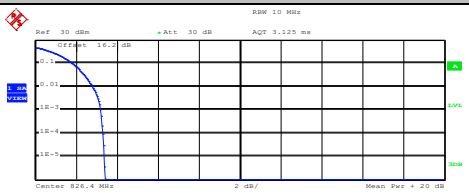
A3. WCDMA

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	3.20	2.88	2.84	PASS
Middle CH	3.04	2.88	2.88	
Highest CH	3.12	2.88	2.80	

WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

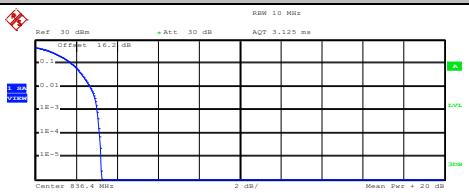


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	22.41 dBm
Peak	25.80 dBm
Crest	3.40 dB
10 %	1.84 dB
1 %	2.80 dB
.1 %	3.20 dB
.01 %	3.32 dB

Date: 13.JAN.2026 21:06:20

Middle Channel

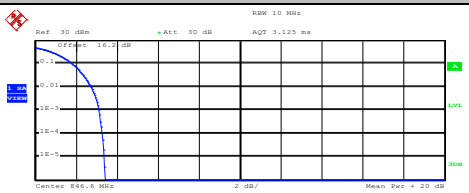


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	22.28 dBm
Peak	25.52 dBm
Crest	3.24 dB
10 %	1.80 dB
1 %	2.68 dB
.1 %	3.04 dB
.01 %	3.16 dB

Date: 13.JAN.2026 21:06:44

Highest Channel



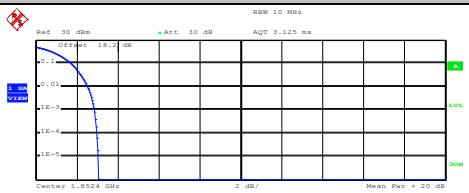
Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	22.47 dBm
Peak	25.88 dBm
Crest	3.40 dB
10 %	1.80 dB
1 %	2.72 dB
.1 %	3.12 dB
.01 %	3.28 dB

Date: 13.JAN.2026 21:07:09

WCDMA Band II (RMC 12.2Kbps)

Lowest Channel

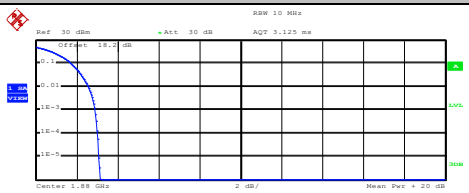


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	23.46 dBm
Peak	26.51 dBm
Crest	3.05 dB
10 %	1.72 dB
1 %	2.52 dB
.1 %	2.88 dB
.01 %	3.00 dB

Date: 14.JAN.2026 11:00:09

Middle Channel

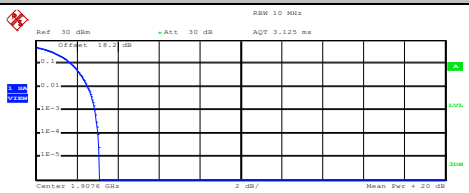


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	23.44 dBm
Peak	26.58 dBm
Crest	3.14 dB
10 %	1.72 dB
1 %	2.56 dB
.1 %	2.88 dB
.01 %	3.00 dB

Date: 14.JAN.2026 11:00:34

Highest Channel



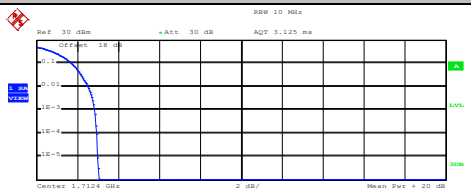
Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	23.35 dBm
Peak	26.44 dBm
Crest	3.09 dB
10 %	1.72 dB
1 %	2.52 dB
.1 %	2.88 dB
.01 %	3.04 dB

Date: 14.JAN.2026 11:00:59

WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel

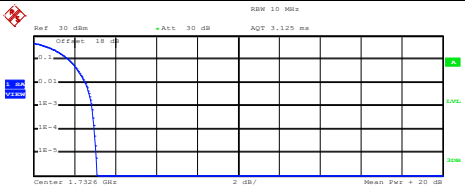


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	23.46 dBm
Peak	26.51 dBm
Crest	3.06 dB
10 %	1.72 dB
1 %	2.52 dB
.1 %	2.84 dB
.01 %	2.96 dB

Date: 14.JAN.2026 11:26:10

Middle Channel

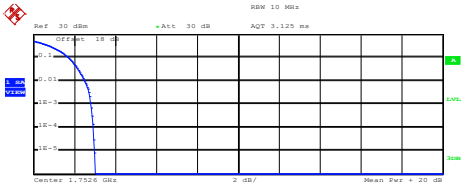


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	23.47 dBm
Peak	26.58 dBm
Crest	3.12 dB
10 %	1.72 dB
1 %	2.56 dB
.1 %	2.88 dB
.01 %	3.00 dB

Date: 14.JAN.2026 11:26:35

Highest Channel



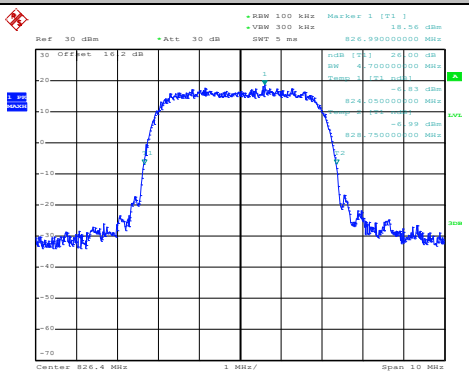
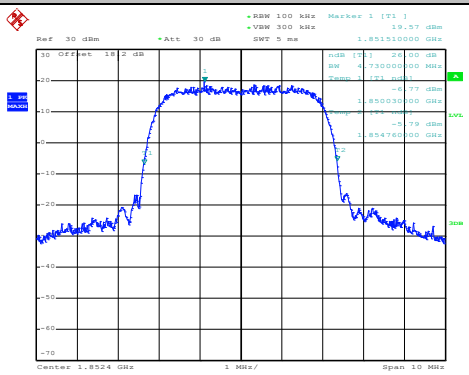
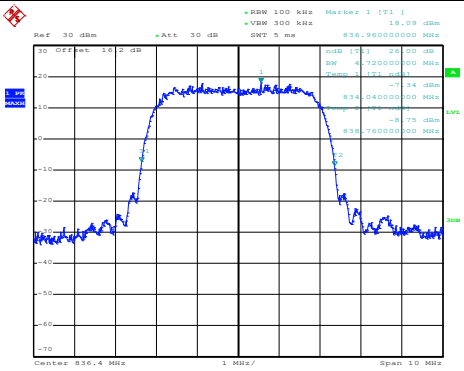
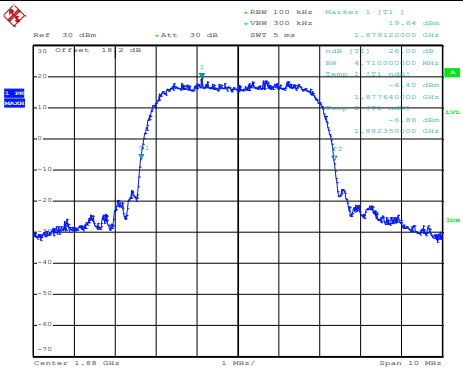
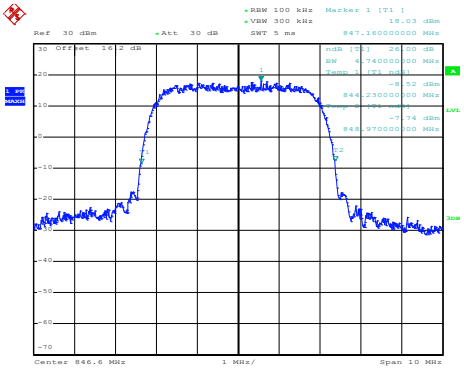
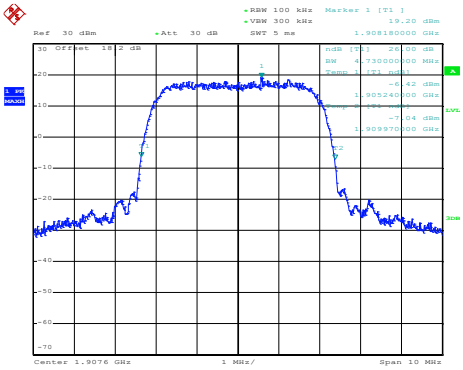
Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	23.36 dBm
Peak	26.37 dBm
Crest	3.01 dB
10 %	1.72 dB
1 %	2.52 dB
.1 %	2.80 dB
.01 %	2.92 dB

Date: 14.JAN.2026 11:26:59

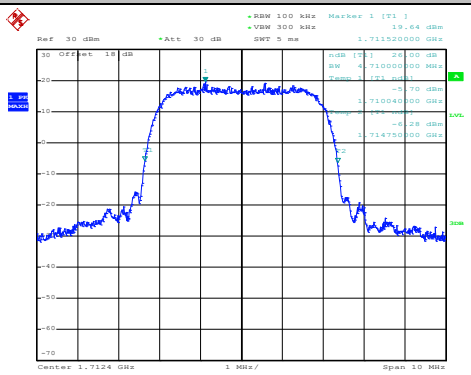
26dB Bandwidth

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	4.73	4.71
Middle CH	4.72	4.71	4.73
Highest CH	4.74	4.73	4.73

WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
 Date: 13.JAN.2026 20:48:18	 Date: 14.JAN.2026 10:41:04
Middle Channel	**Middle Channel**
 Date: 13.JAN.2026 20:49:18	 Date: 14.JAN.2026 10:42:33
Highest Channel	**Highest Channel**
 Date: 13.JAN.2026 20:50:05	 Date: 14.JAN.2026 10:43:27

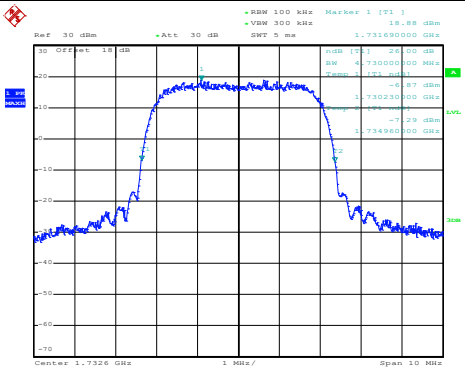
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



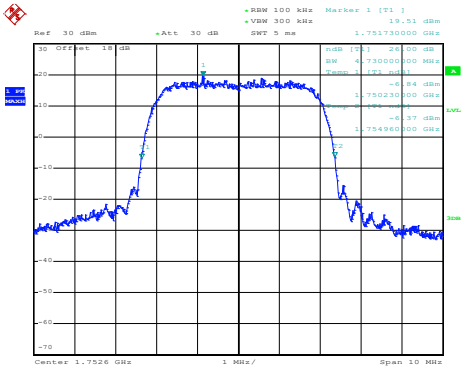
Date: 14.JAN.2026 11:08:50

Middle Channel



Date: 14.JAN.2026 11:09:42

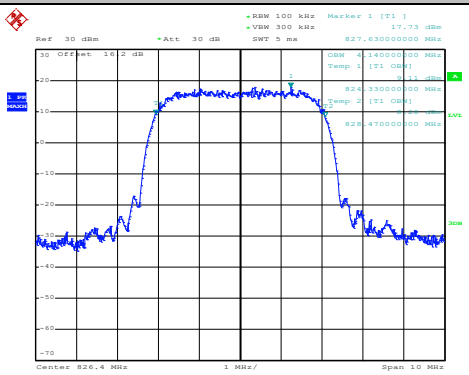
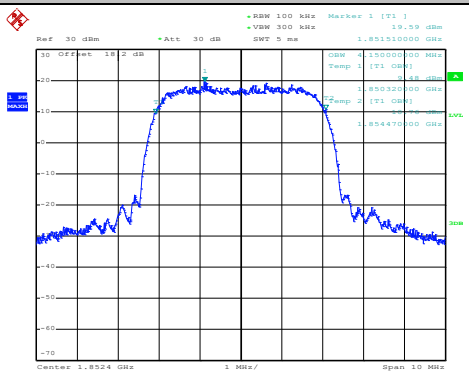
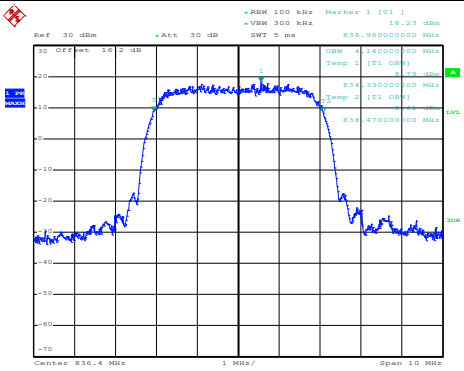
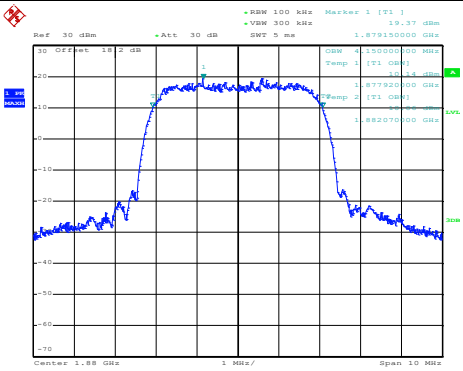
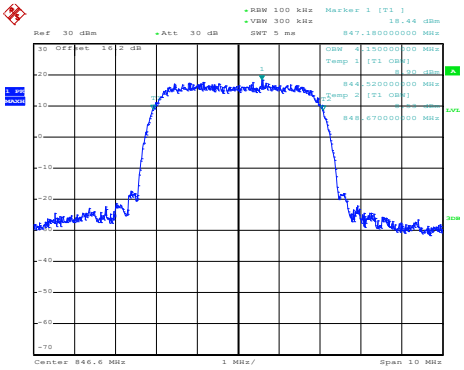
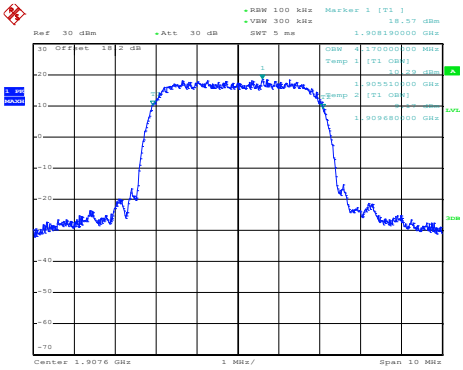
Highest Channel



Date: 14.JAN.2026 11:10:55

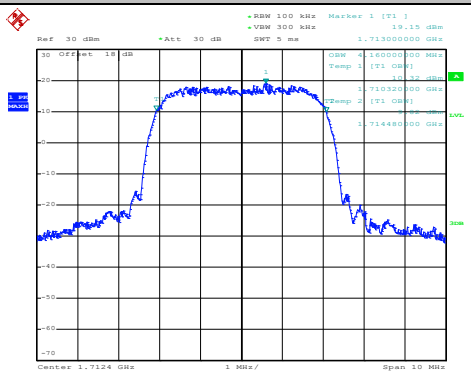
Occupied Bandwidth

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	4.14	4.15	4.16
Middle CH	4.14	4.15	4.15
Highest CH	4.15	4.17	4.16

WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
 Date: 13.JAN.2026 20:53:17	 Date: 14.JAN.2026 10:44:53
Middle Channel	**Middle Channel**
 Date: 13.JAN.2026 20:54:07	 Date: 14.JAN.2026 10:45:40
Highest Channel	**Highest Channel**
 Date: 13.JAN.2026 20:54:49	 Date: 14.JAN.2026 10:46:21

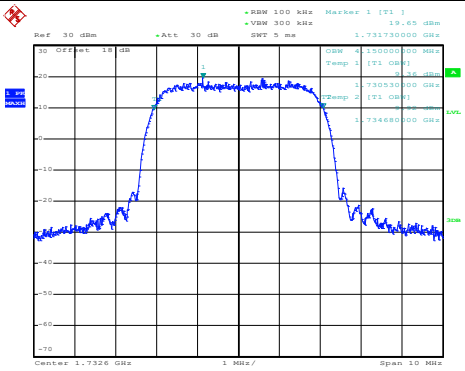
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



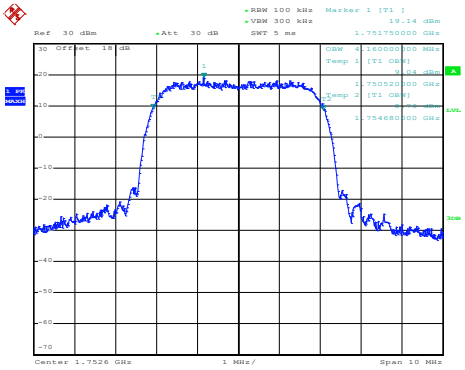
Date: 14.JAN.2026 11:12:29

Middle Channel



Date: 14.JAN.2026 11:13:19

Highest Channel

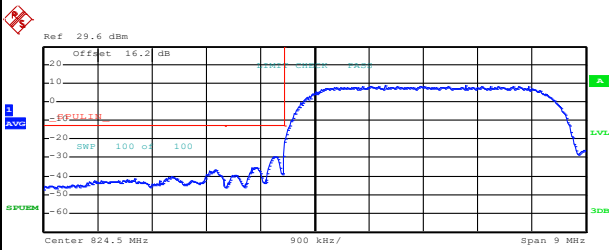


Date: 14.JAN.2026 11:14:03

Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

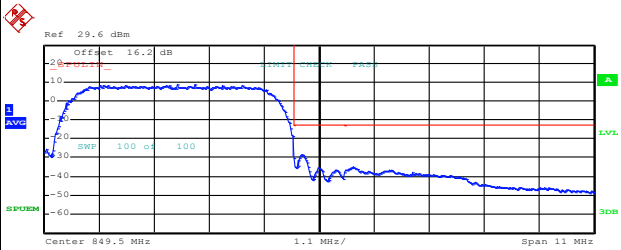
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
820.000 M	823.000 M	100.00 k	822.838000 M	-36.72	-23.72
823.000 M	824.000 M	50.00 k	823.824000 M	-29.64	-16.64
824.000 M	829.000 M	100.00 k	826.995000 M	8.61	-26.39

Date: 13.JAN.2026 20:58:22

Highest Band Edge

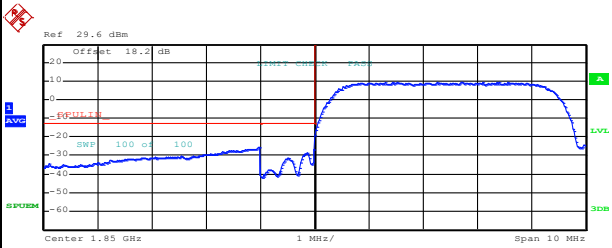


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
844.000 M	849.000 M	100.00 k	847.010000 M	8.65	-26.35
849.000 M	850.000 M	50.00 k	849.140000 M	-28.53	-15.53
850.000 M	855.000 M	100.00 k	850.185000 M	-35.26	-22.26

Date: 13.JAN.2026 21:01:31

WCDMA Band II (RMC 12.2Kbps)

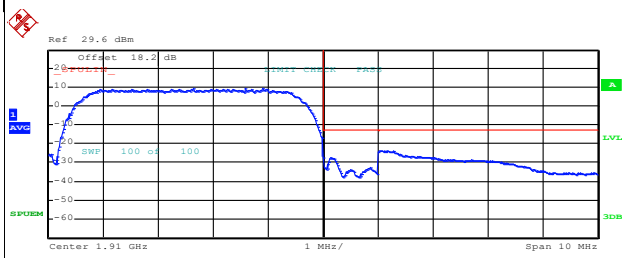
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.845 G	1.849 G	1.00 M	1.848996 G	-25.49	-12.49
1.849 G	1.850 G	50.00 k	1.849992 G	-27.63	-14.63
1.850 G	1.855 G	100.00 k	1.852700 G	9.61	-25.39

Date: 14.JAN.2026 10:49:42

Highest Band Edge

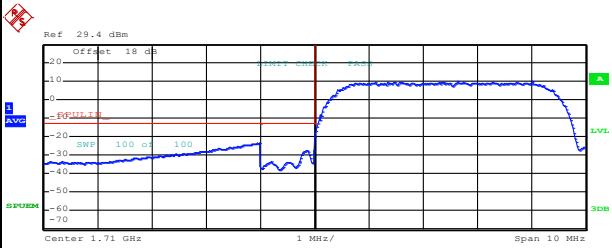


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.905 G	1.910 G	100.00 k	1.908570 G	9.20	-25.80
1.910 G	1.911 G	50.00 k	1.910140 G	-27.65	-14.65
1.911 G	1.915 G	1.00 M	1.911008 G	-23.65	-10.65

Date: 14.JAN.2026 10:52:50

WCDMA Band IV (RMC 12.2Kbps)

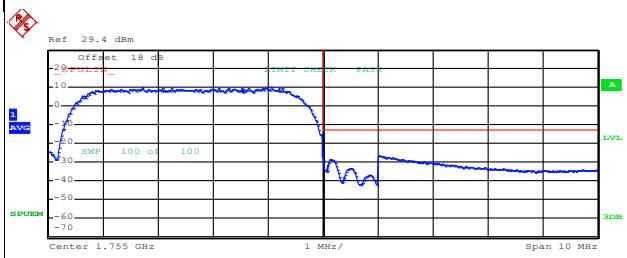
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.705 G	1.709 G	1.00 M	1.708940 G	-23.72	-10.72
1.709 G	1.710 G	50.00 k	1.709844 G	-27.63	-14.63
1.710 G	1.715 G	100.00 k	1.714025 G	9.71	-25.29

Date: 14.JAN.2026 11:17:36

Highest Band Edge



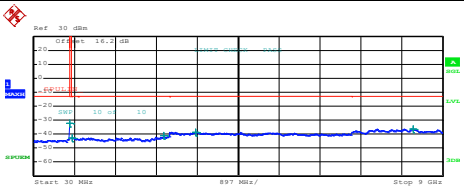
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.750 G	1.755 G	100.00 k	1.751710 G	9.73	-25.27
1.755 G	1.756 G	50.00 k	1.755004 G	-28.30	-15.30
1.756 G	1.760 G	1.00 M	1.756016 G	-26.50	-13.50

Date: 14.JAN.2026 11:20:37

Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

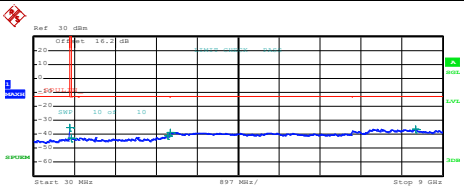
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	819.802500 M	-32.33	-19.33
855.000 M	1.000 G	1.00 M	870.805001 M	-42.85	-29.85
1.000 G	3.000 G	1.00 M	2.889500 G	-40.85	-27.85
3.000 G	7.000 G	1.00 M	3.586000 G	-38.66	-25.66
7.000 G	9.000 G	1.00 M	8.355000 G	-36.11	-23.11

Date: 13.JAN.2026 21:02:57

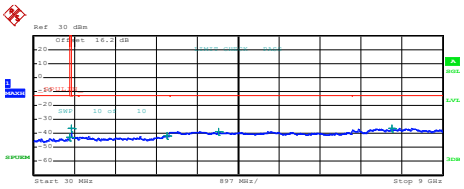
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	818.617500 M	-35.36	-22.36
855.000 M	1.000 G	1.00 M	858.915000 M	-42.89	-29.89
1.000 G	3.000 G	1.00 M	2.978000 G	-41.13	-28.13
3.000 G	7.000 G	1.00 M	3.020000 G	-38.58	-25.58
7.000 G	9.000 G	1.00 M	8.404500 G	-36.18	-23.18

Date: 13.JAN.2026 21:04:07

Highest Channel

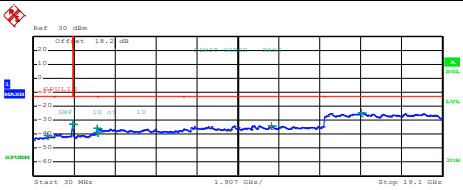


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	817.630000 M	-43.03	-30.03
855.000 M	1.000 G	1.00 M	855.108750 M	-36.67	-23.67
1.000 G	3.000 G	1.00 M	2.955000 G	-41.44	-28.44
3.000 G	7.000 G	1.00 M	4.082000 G	-38.82	-25.82
7.000 G	9.000 G	1.00 M	7.894000 G	-36.38	-23.38

Date: 13.JAN.2026 21:05:21

WCDMA Band II (RMC 12.2Kbps)

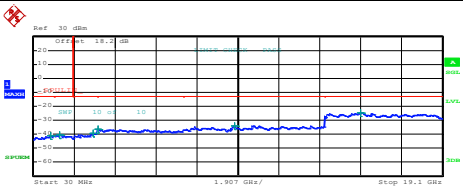
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	668.987500 M	-40.97	-27.97
1.000 G	1.845 G	1.00 M	1.844366 G	-32.84	-19.84
1.915 G	3.000 G	1.00 M	2.996745 G	-38.83	-25.83
3.000 G	7.000 G	1.00 M	3.020000 G	-36.03	-23.03
7.000 G	13.600 G	1.00 M	11.116750 G	-34.14	-21.14
13.600 G	19.100 G	1.00 M	15.306375 G	-24.63	-11.63

Date: 14.JAN.2026 10:55:15

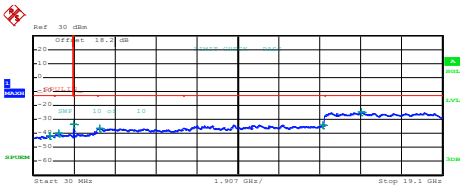
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	846.255000 M	-40.83	-27.83
1.000 G	1.845 G	1.00 M	1.256246 G	-40.41	-27.41
1.915 G	3.000 G	1.00 M	2.827756 G	-39.15	-26.15
3.000 G	7.000 G	1.00 M	3.035000 G	-36.38	-23.38
7.000 G	13.600 G	1.00 M	9.406525 G	-33.89	-20.89
13.600 G	19.100 G	1.00 M	15.278875 G	-24.53	-11.53

Date: 14.JAN.2026 10:56:53

Highest Channel

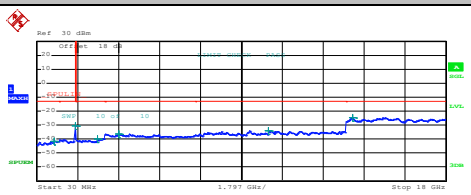


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	799.695000 M	-41.64	-28.64
1.000 G	1.845 G	1.00 M	1.224559 G	-40.15	-27.15
1.915 G	3.000 G	1.00 M	1.915542 G	-33.33	-20.33
3.000 G	7.000 G	1.00 M	3.110000 G	-36.32	-23.32
7.000 G	13.600 G	1.00 M	13.535650 G	-33.98	-20.98
13.600 G	19.100 G	1.00 M	15.335938 G	-24.79	-11.79

Date: 14.JAN.2026 10:58:59

WCDMA Band IV (RMC 12.2Kbps)

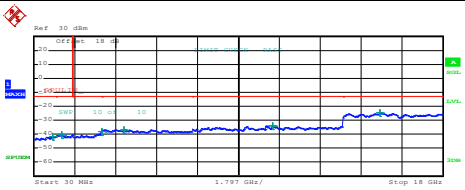
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	791.207500 M	-41.60	-28.60
1.000 G	1.705 G	1.00 M	1.704471 G	-30.61	-17.61
1.760 G	3.000 G	1.00 M	2.697130 G	-39.65	-26.65
3.000 G	7.000 G	1.00 M	3.607000 G	-36.62	-23.62
7.000 G	13.600 G	1.00 M	10.208425 G	-33.96	-20.96
13.600 G	18.000 G	1.00 M	13.894800 G	-24.65	-11.65

Date: 14.JAN.2026 11:23:16

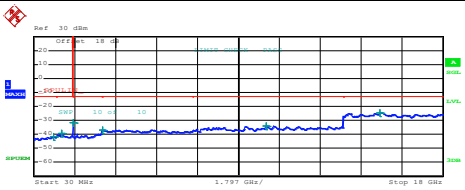
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	860.805000 M	-41.53	-28.53
1.000 G	1.705 G	1.00 M	1.252214 G	-40.71	-27.71
1.760 G	3.000 G	1.00 M	2.995970 G	-38.35	-25.35
3.000 G	7.000 G	1.00 M	3.991000 G	-36.70	-23.70
7.000 G	13.600 G	1.00 M	10.525225 G	-34.09	-21.09
13.600 G	18.000 G	1.00 M	15.247800 G	-24.87	-11.87

Date: 14.JAN.2026 11:24:17

Highest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	893.542500 M	-41.82	-28.82
1.000 G	1.705 G	1.00 M	1.234765 G	-39.12	-26.12
1.760 G	3.000 G	1.00 M	1.760310 G	-31.64	-18.64
3.000 G	7.000 G	1.00 M	3.053000 G	-36.69	-23.69
7.000 G	13.600 G	1.00 M	10.219150 G	-33.98	-20.98
13.600 G	18.000 G	1.00 M	15.239000 G	-24.62	-11.62

Date: 14.JAN.2026 11:25:21

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	0.0132	11	Yes	PASS
40	Normal Voltage	0.0084	7	Yes	
30	Normal Voltage	0.0012	1	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0024	-2	Yes	
0	Normal Voltage	0.0048	-4	Yes	
-10	Normal Voltage	0.0036	-3	Yes	
-20	Normal Voltage	0.0060	-5	Yes	
-30	Normal Voltage	0.0012	-1	Yes	
20	Maximum Voltage	0.0024	2	Yes	
20	Normal Voltage	0.0096	8	Yes	
20	Minimum Voltage	0.0120	10	Yes	

Note:

1. Normal Voltage = 3.89 V.；Minimum Voltage = 3.5 V.；Maximum Voltage = 4.28 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	0.0138	-26	Yes	PASS
40	Normal Voltage	0.0117	-22	Yes	
30	Normal Voltage	0.0053	-10	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0016	-3	Yes	
0	Normal Voltage	0.0027	5	Yes	
-10	Normal Voltage	0.0011	2	Yes	
-20	Normal Voltage	0.0032	6	Yes	
-30	Normal Voltage	0.0005	1	Yes	
20	Maximum Voltage	0.0027	-5	Yes	
20	Normal Voltage	0.0011	-2	Yes	
20	Minimum Voltage	0.0021	-4	Yes	

Note:

1. Normal Voltage = 3.89 V.；Minimum Voltage = 3.5 V.；Maximum Voltage = 4.28 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	0.0219	-38	Yes	PASS
40	Normal Voltage	0.0167	-29	Yes	
30	Normal Voltage	0.0115	-20	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0087	15	Yes	
0	Normal Voltage	0.0133	23	Yes	
-10	Normal Voltage	0.0144	25	Yes	
-20	Normal Voltage	0.0121	21	Yes	
-30	Normal Voltage	0.0069	12	Yes	
20	Maximum Voltage	0.0012	-2	Yes	
20	Normal Voltage	0.0035	-6	Yes	
20	Minimum Voltage	0.0006	-1	Yes	

Note:

1. Normal Voltage = 3.89 V.；Minimum Voltage = 3.5 V.；Maximum Voltage = 4.28 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

B1.Summary of each worse mode

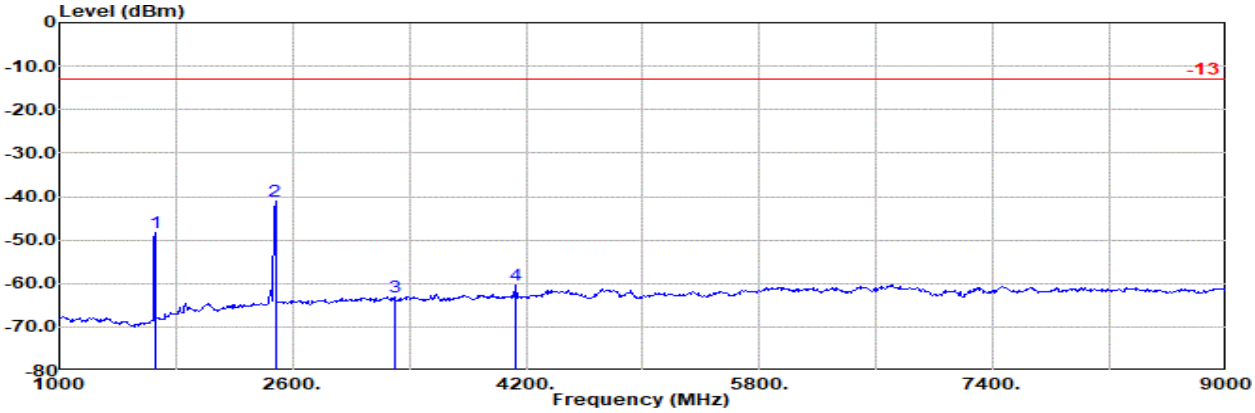
Mode	Band	Part	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	Amp\Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	GSM 850	Part 22H	L	2480	-41.20	RMS	32.70	-50.50	0.31	-95.23	71.52	-13.00	-28.20	H	0
2	WCDMA B5	Part 22H	M	3345	-63.46	RMS	33.39	-49.24	0.16	-95.23	47.46	-13.00	-50.46	H	0
1	GSM 1900	Part 24E	M	3765	-55.15	RMS	33.50	-48.67	0.79	-95.23	54.47	-13.00	-42.15	V	1
2	WCDMA B2	Part 24E	M	7520	-61.06	RMS	36.00	-43.07	0.60	-95.23	40.64	-13.00	-48.06	V	1
1	WCDMA B4	Part 27L	L	6849	-61.38	RMS	36.00	-42.45	0.62	-95.23	39.68	-13.00	-48.38	V	1

Ant. 0

Part 22H Mode 1

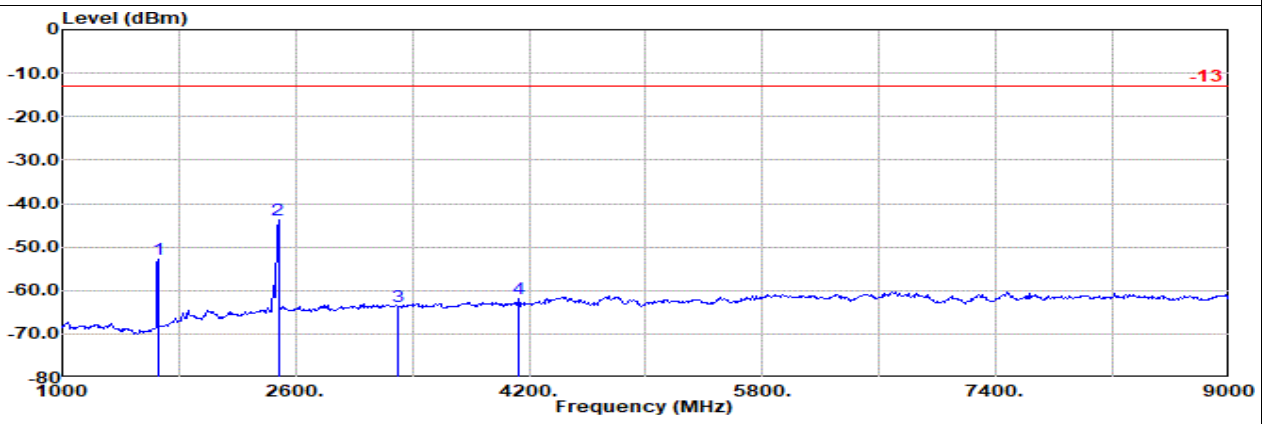
GSM 850 Ch128

L



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Horizontal
Mode : GSM850 CH128

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1656.00	-48.45	RMS	29.22	-52.44	0.31	-95.23	69.69	-13.00	-35.45	Horizontal
2	2480.00	-41.20	RMS	32.70	-50.50	0.31	-95.23	71.52	-13.00	-28.20	Horizontal
3	3297.00	-63.21	RMS	33.29	-49.33	0.14	-95.23	47.92	-13.00	-50.21	Horizontal
4	4128.00	-60.51	RMS	33.66	-48.18	0.45	-95.23	48.79	-13.00	-47.51	Horizontal



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Vertical
Mode : GSM850 CH128

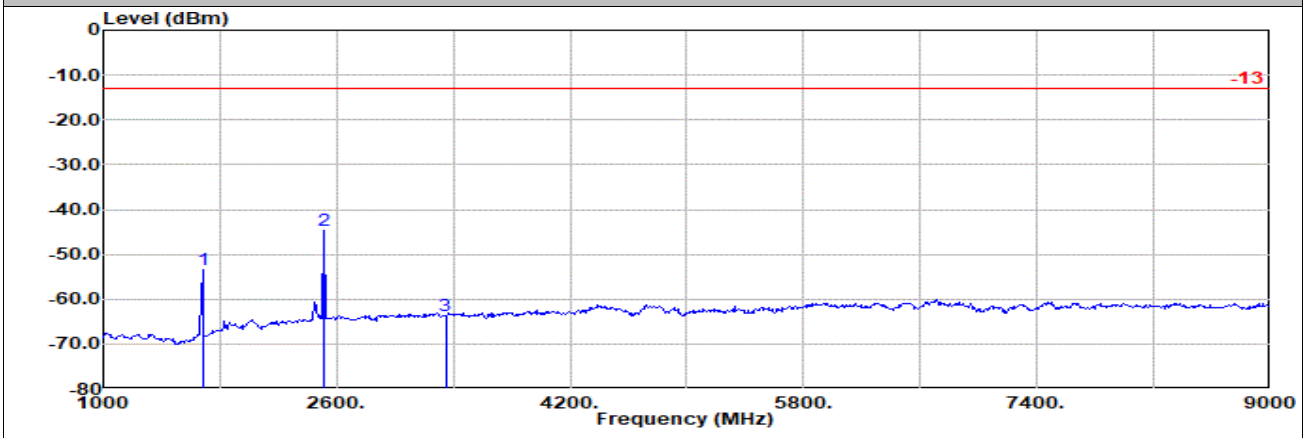
	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1656.00	-52.97	RMS	29.22	-52.44	0.31	-95.23	65.17	-13.00	-39.97	Vertical
2	2480.00	-43.81	RMS	32.70	-50.50	0.31	-95.23	68.91	-13.00	-30.81	Vertical
3	3297.00	-63.72	RMS	33.29	-49.33	0.14	-95.23	47.41	-13.00	-50.72	Vertical
4	4128.00	-61.78	RMS	33.66	-48.18	0.45	-95.23	47.52	-13.00	-48.78	Vertical

Ant. 0

Part 22H Mode 1

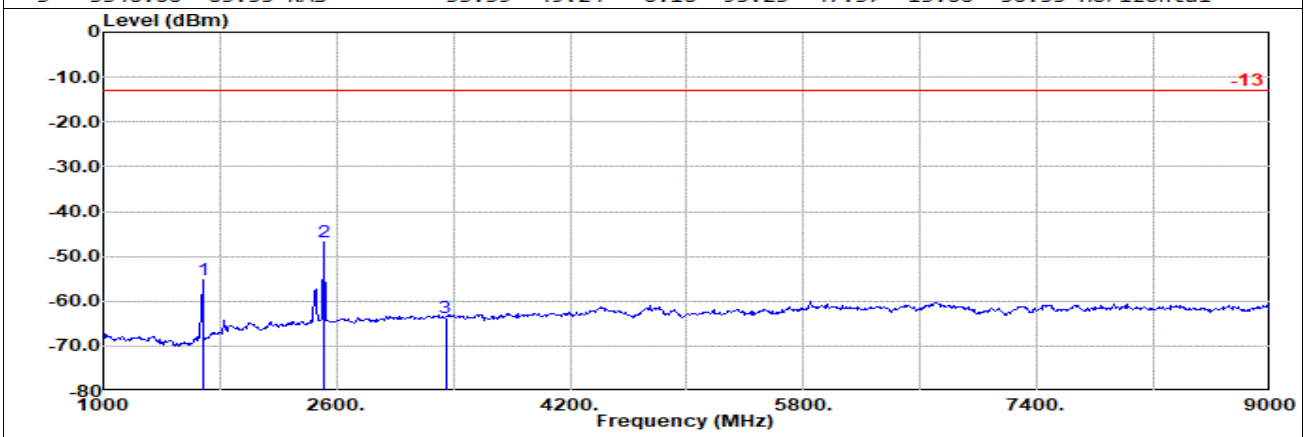
GSM 850 Ch189

M



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Horizontal
Mode : GSM850 CH189

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1680.00	-53.46	RMS	29.30	-52.37	0.31	-95.23	64.53	-13.00	-40.46	Horizontal
2	2512.00	-44.71	RMS	32.90	-50.45	0.24	-95.23	67.83	-13.00	-31.71	Horizontal
3	3346.00	-63.55	RMS	33.39	-49.24	0.16	-95.23	47.37	-13.00	-50.55	Horizontal



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Vertical
Mode : GSM850 CH189

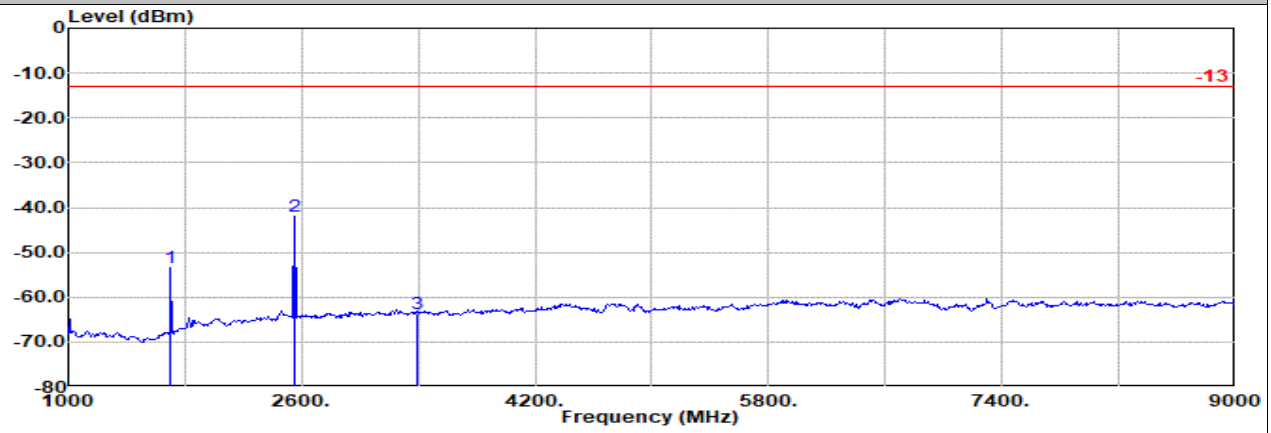
	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1680.00	-55.26	RMS	29.30	-52.37	0.31	-95.23	62.73	-13.00	-42.26	Vertical
2	2512.00	-46.82	RMS	32.90	-50.45	0.24	-95.23	65.72	-13.00	-33.82	Vertical
3	3346.00	-63.74	RMS	33.39	-49.24	0.16	-95.23	47.18	-13.00	-50.74	Vertical

Ant. 0

Part 22H Mode 1

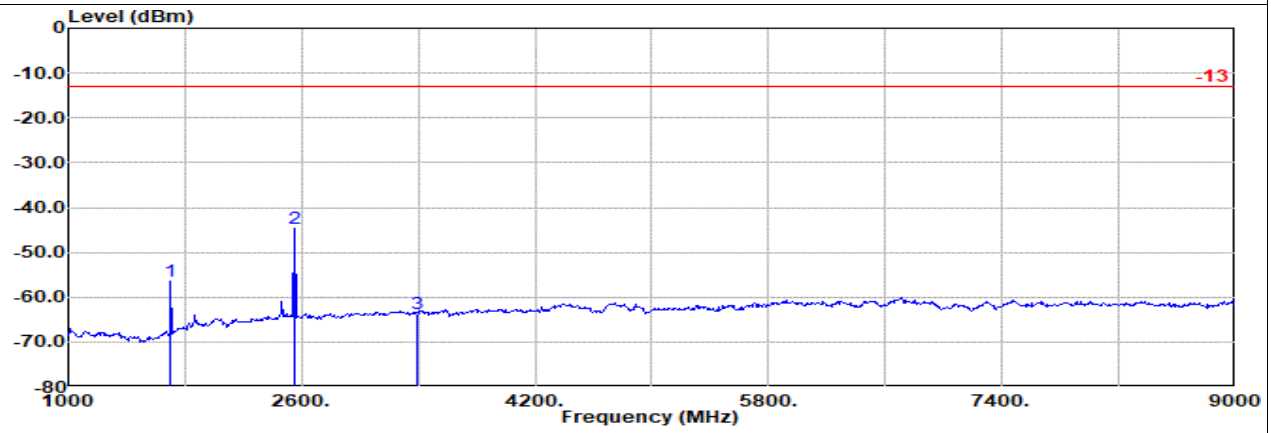
GSM 850 Ch251

H



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Horizontal
Mode : GSM850 CH251

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1704.00	-53.52	RMS	29.50	-52.31	0.30	-95.23	64.22	-13.00	-40.52	Horizontal
2	2552.00	-41.94	RMS	32.90	-50.40	0.15	-95.23	70.64	-13.00	-28.94	Horizontal
3	3396.00	-63.60	RMS	33.22	-49.15	0.18	-95.23	47.38	-13.00	-50.60	Horizontal

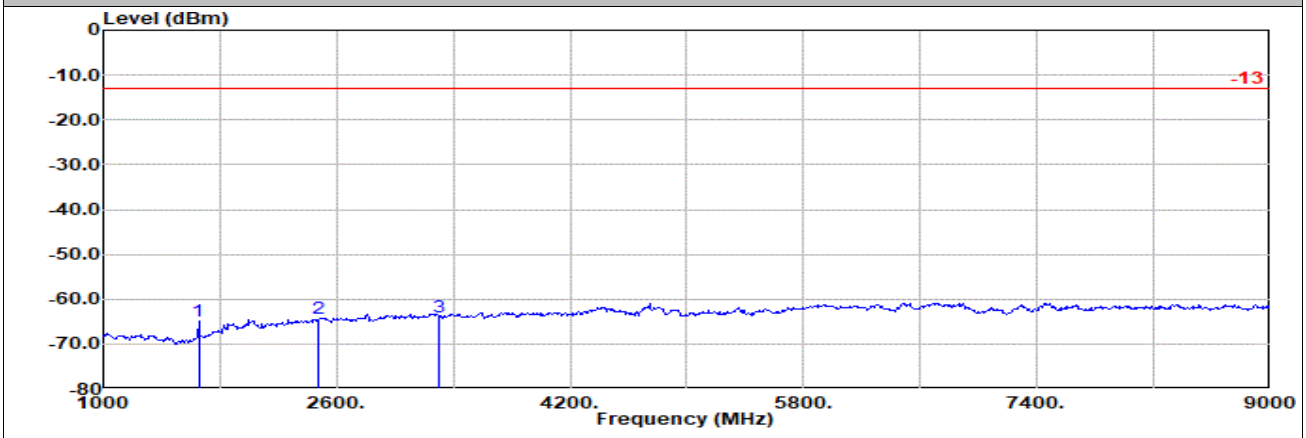


Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Vertical
Mode : GSM850 CH251

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1704.00	-56.47	RMS	29.50	-52.31	0.30	-95.23	61.27	-13.00	-43.47	Vertical
2	2552.00	-44.60	RMS	32.90	-50.40	0.15	-95.23	67.98	-13.00	-31.60	Vertical
3	3396.00	-63.81	RMS	33.22	-49.15	0.18	-95.23	47.17	-13.00	-50.81	Vertical

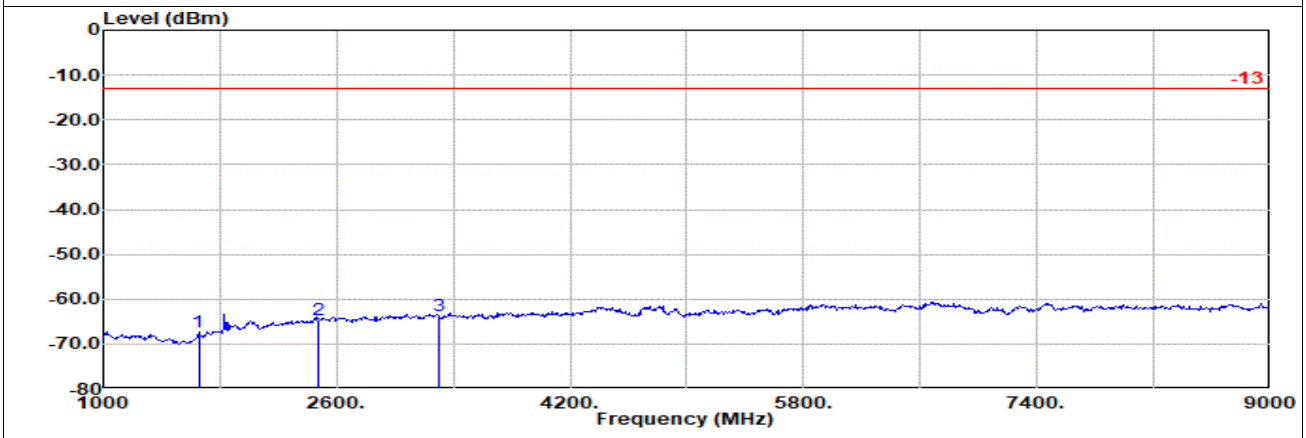
Ant. 0

Part 22H Mode 2
WCDMA B5 Ch4132
L



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Horizontal
Mode : WCDMA Band5 Ch4132

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1652.80	-65.02	RMS	29.16	-52.44	0.31	-95.23	53.18	-13.00	-52.02	Horizontal
2	2479.20	-64.25	RMS	32.70	-50.51	0.31	-95.23	48.48	-13.00	-51.25	Horizontal
3	3305.60	-63.88	RMS	33.31	-49.31	0.15	-95.23	47.20	-13.00	-50.88	Horizontal

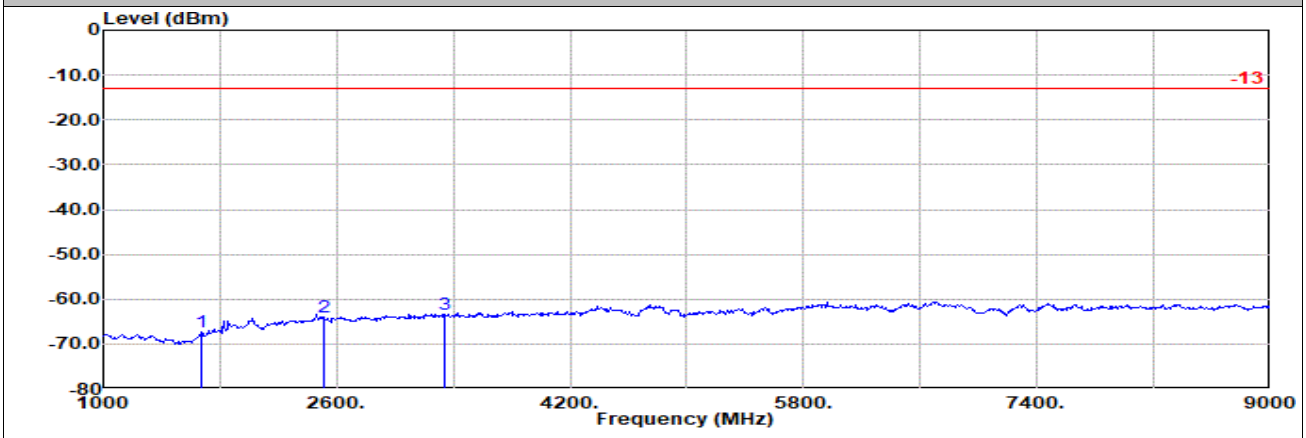


Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Vertical
Mode : WCDMA Band5 Ch4132

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1652.80	-67.23	RMS	29.16	-52.44	0.31	-95.23	50.97	-13.00	-54.23	Vertical
2	2479.20	-64.69	RMS	32.70	-50.51	0.31	-95.23	48.04	-13.00	-51.69	Vertical
3	3305.60	-63.79	RMS	33.31	-49.31	0.15	-95.23	47.29	-13.00	-50.79	Vertical

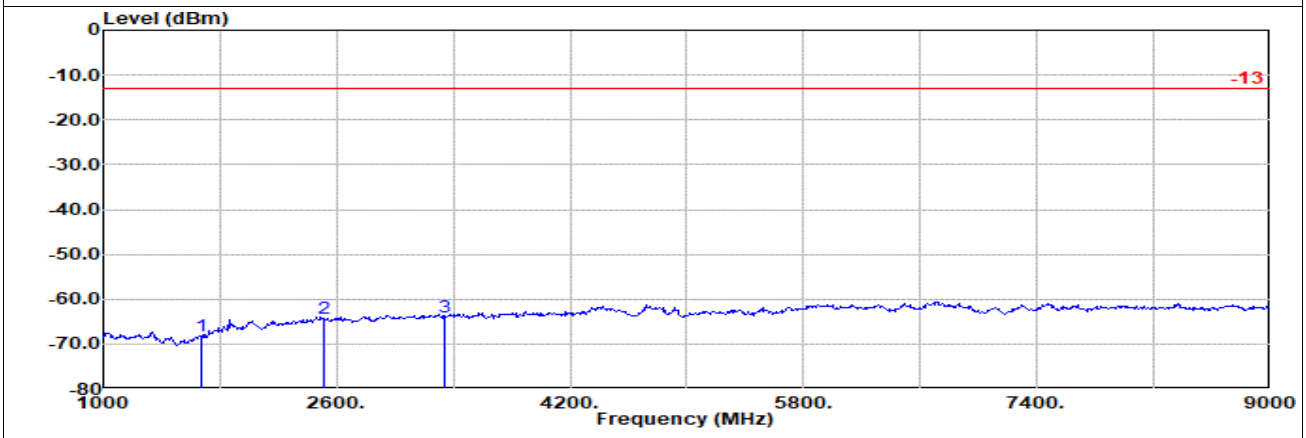
Ant. 0

Part 22H Mode 2
WCDMA B5 Ch4182
M



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Horizontal
Mode : WCDMA Band5 Ch4182

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1672.80	-67.30	RMS	29.30	-52.39	0.31	-95.23	50.71	-13.00	-54.30	Horizontal
2	2509.20	-64.07	RMS	32.90	-50.45	0.24	-95.23	48.47	-13.00	-51.07	Horizontal
3	3345.60	-63.46	RMS	33.39	-49.24	0.16	-95.23	47.46	-13.00	-50.46	Horizontal

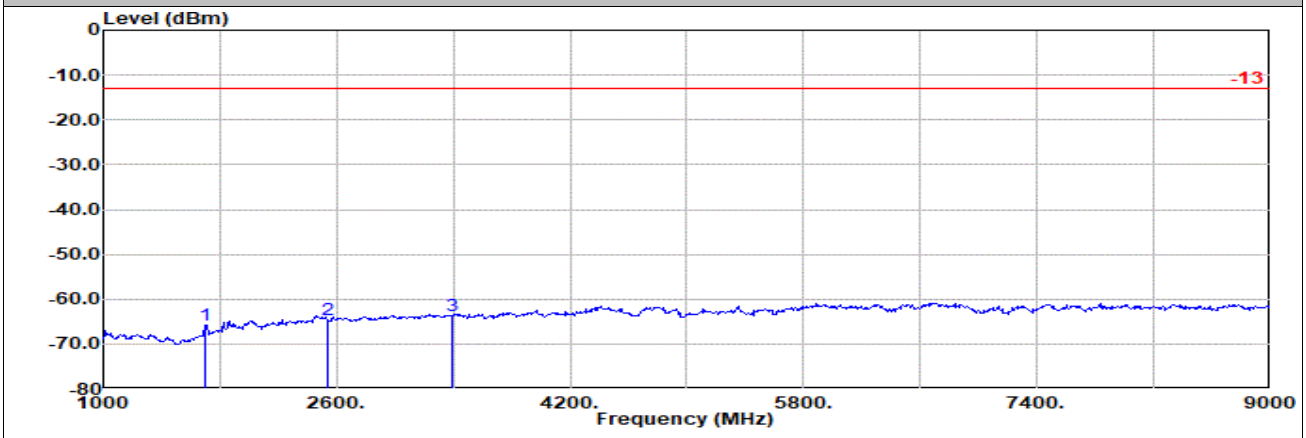


Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Vertical
Mode : WCDMA Band5 Ch4182

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1672.80	-68.16	RMS	29.30	-52.39	0.31	-95.23	49.85	-13.00	-55.16	Vertical
2	2509.20	-64.44	RMS	32.90	-50.45	0.24	-95.23	48.10	-13.00	-51.44	Vertical
3	3345.60	-64.13	RMS	33.39	-49.24	0.16	-95.23	46.79	-13.00	-51.13	Vertical

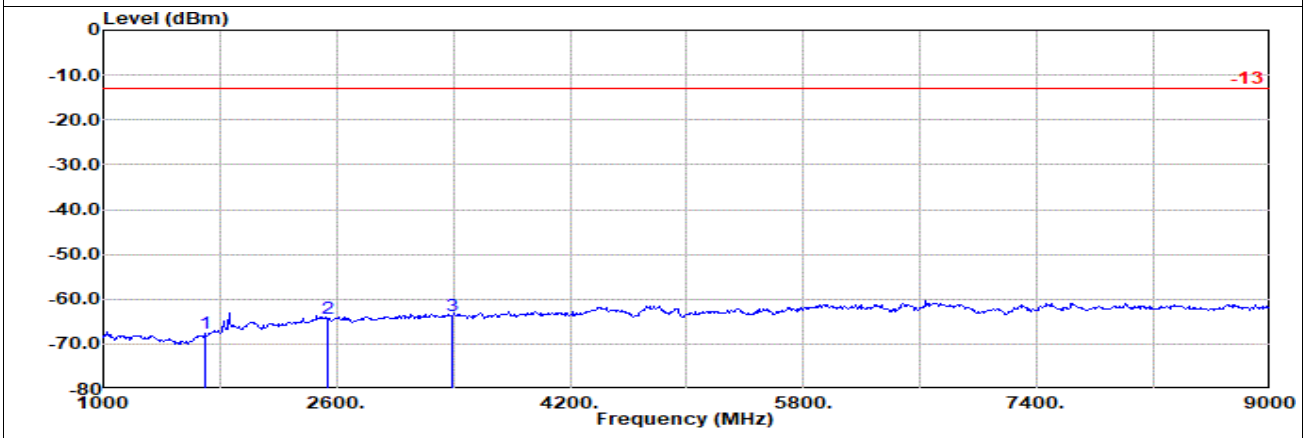
Ant. 0

Part 22H Mode 2
WCDMA B5 Ch4233
H



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Horizontal
Mode : WCDMA Band5 Ch4233

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1693.20	-65.89	RMS	29.43	-52.34	0.31	-95.23	51.94	-13.00	-52.89	Horizontal
2	2539.80	-64.71	RMS	32.90	-50.41	0.18	-95.23	47.85	-13.00	-51.71	Horizontal
3	3386.40	-63.55	RMS	33.25	-49.17	0.18	-95.23	47.42	-13.00	-50.55	Horizontal

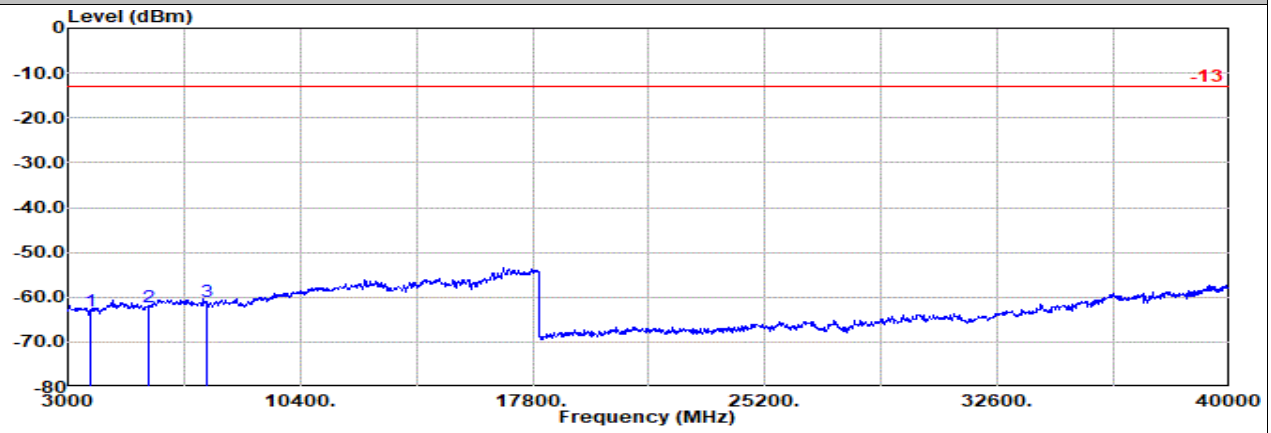


Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Vertical
Mode : WCDMA Band5 Ch4233

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1693.20	-67.75	RMS	29.43	-52.34	0.31	-95.23	50.08	-13.00	-54.75	Vertical
2	2539.80	-64.32	RMS	32.90	-50.41	0.18	-95.23	48.24	-13.00	-51.32	Vertical
3	3386.40	-63.74	RMS	33.25	-49.17	0.18	-95.23	47.23	-13.00	-50.74	Vertical

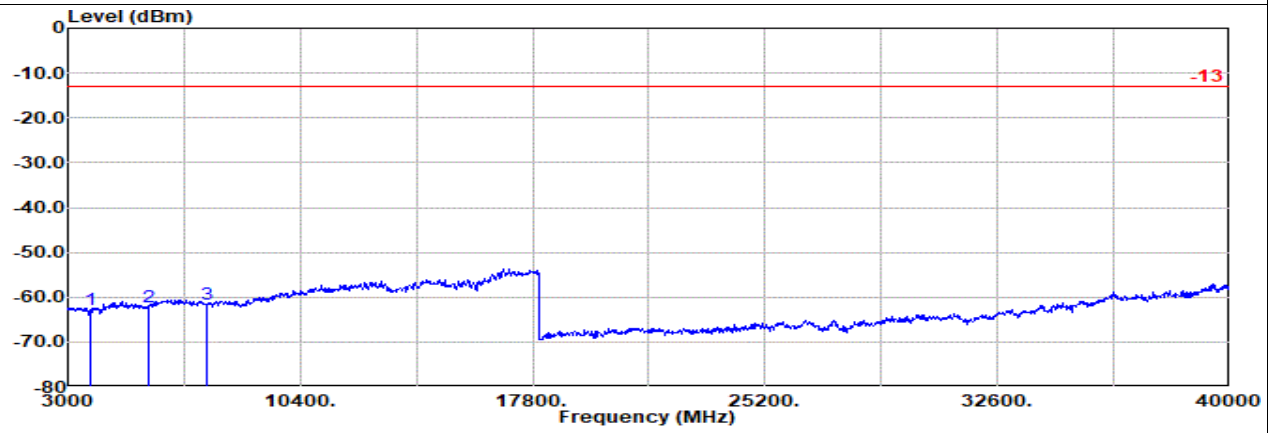
Ant. 1

Part 24E Mode 1
GSM 1900 Ch512
L



Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Horizontal
Mode : GSM 1900 CH512

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3705.00	-62.98	RMS	33.41	-48.76	0.85	-95.23	0.00	-13.00	-49.98	Horizontal
2	5550.00	-62.16	RMS	35.10	-44.21	0.50	-95.23	41.68	-13.00	-49.16	Horizontal
3	7400.00	-60.84	RMS	36.00	-43.00	0.67	-95.23	40.72	-13.00	-47.84	Horizontal

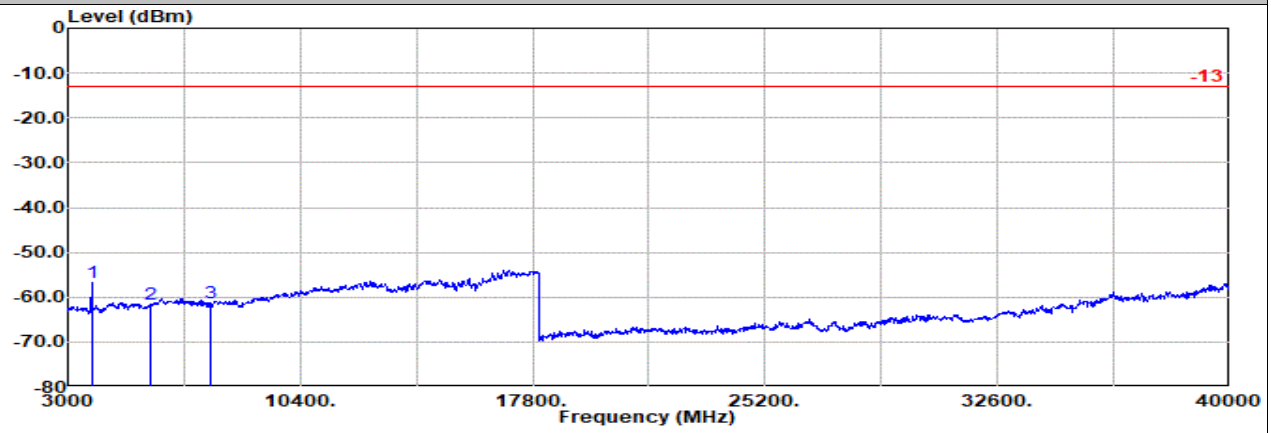


Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Vertical
Mode : GSM 1900 CH512

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3705.00	-62.75	RMS	33.41	-48.76	0.85	-95.23	46.99	-13.00	-49.75	Vertical
2	5550.00	-62.12	RMS	35.10	-44.21	0.50	-95.23	41.72	-13.00	-49.12	Vertical
3	7400.00	-61.51	RMS	36.00	-43.00	0.67	-95.23	40.05	-13.00	-48.51	Vertical

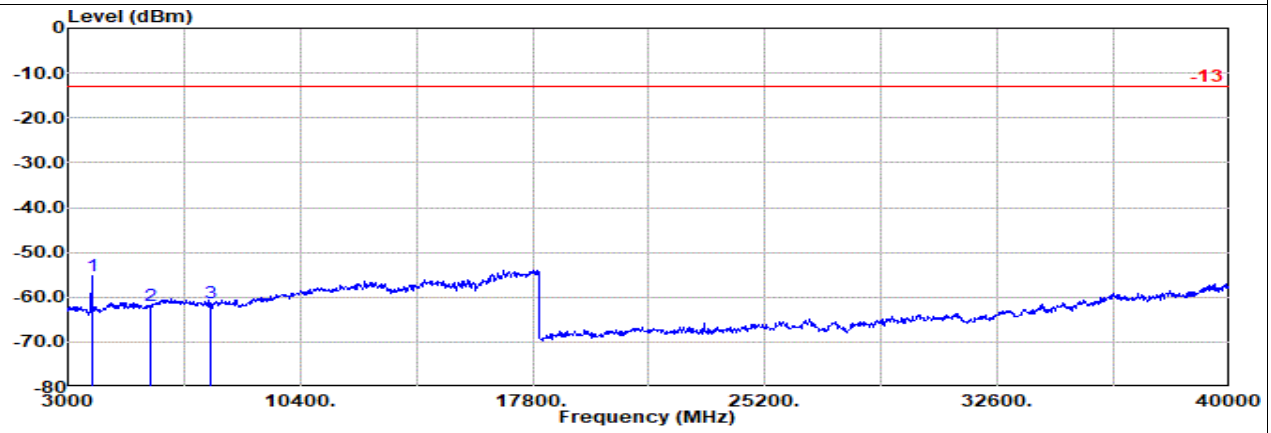
Ant. 1

Part 24E Mode 1
GSM 1900 Ch661
M



Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Horizontal
Mode : GSM 1900 CH661

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3765.00	-56.61	RMS	33.50	-48.67	0.79	-95.23	53.01	-13.00	-43.61	Horizontal
2	5640.00	-61.72	RMS	34.98	-43.80	0.44	-95.23	41.89	-13.00	-48.72	Horizontal
3	7520.00	-61.42	RMS	36.00	-43.07	0.60	-95.23	40.28	-13.00	-48.42	Horizontal



Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Vertical
Mode : GSM 1900 CH661

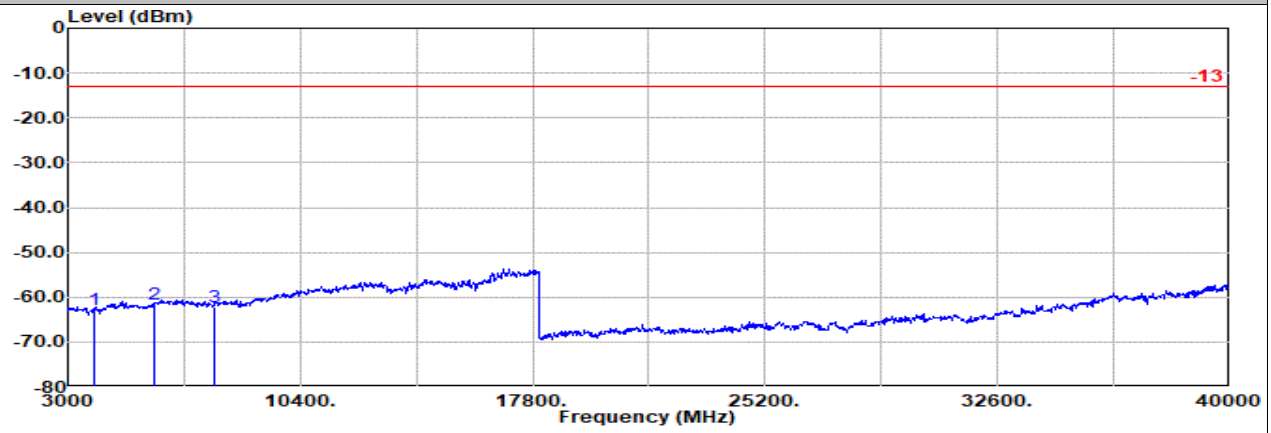
	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3765.00	-55.15	RMS	33.50	-48.67	0.79	-95.23	54.47	-13.00	-42.15	Vertical
2	5640.00	-61.94	RMS	34.98	-43.80	0.44	-95.23	41.67	-13.00	-48.94	Vertical
3	7520.00	-61.18	RMS	36.00	-43.07	0.60	-95.23	40.52	-13.00	-48.18	Vertical

Ant. 1

Part 24E Mode 1

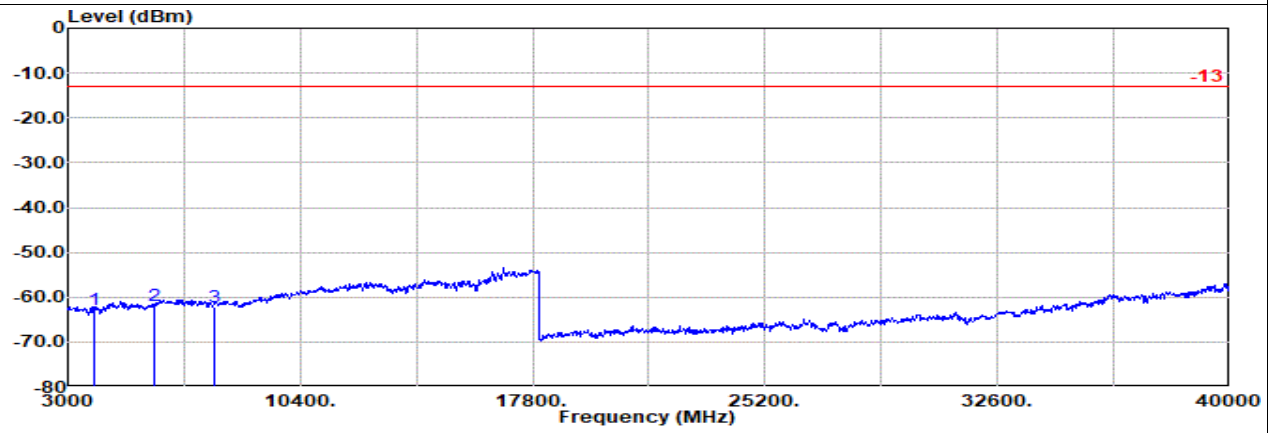
GSM 1900 Ch810

H



Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Horizontal
Mode : GSM 1900 CH810

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3825.00	-62.86	RMS	33.65	-48.59	0.74	-95.23	46.57	-13.00	-49.86	Horizontal
2	5729.40	-61.62	RMS	35.10	-43.44	0.34	-95.23	41.61	-13.00	-48.62	Horizontal
3	7639.20	-62.15	RMS	36.10	-42.91	0.57	-95.23	39.32	-13.00	-49.15	Horizontal



Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Vertical
Mode : GSM 1900 CH810

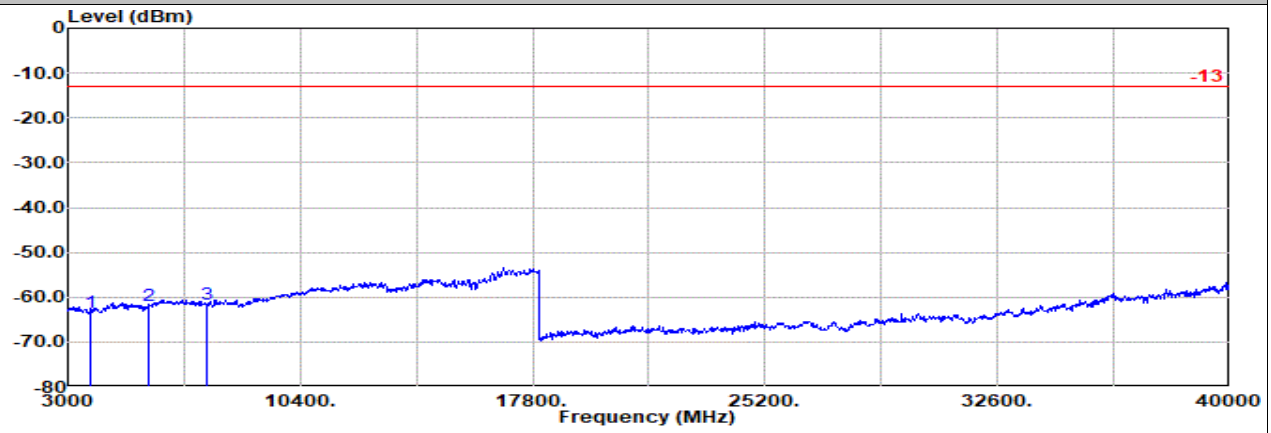
	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3825.00	-62.72	RMS	33.65	-48.59	0.74	-95.23	46.71	-13.00	-49.72	Vertical
2	5729.40	-61.84	RMS	35.10	-43.44	0.34	-95.23	41.39	-13.00	-48.84	Vertical
3	7639.20	-62.06	RMS	36.10	-42.91	0.57	-95.23	39.41	-13.00	-49.06	Vertical

Ant. 1

Part 24E Mode 2

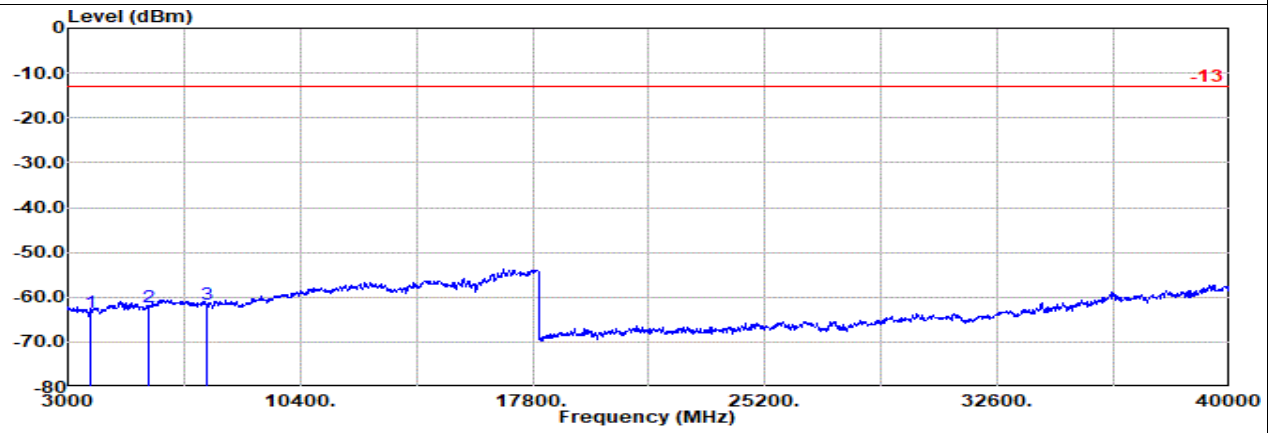
WCDMA B2 Ch9262

L



Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Horizontal
Mode : WCDMA1900 CH9262

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3705.00	-63.35	RMS	33.41	-48.76	0.85	-95.23	46.39	-13.00	-50.35	Horizontal
2	5550.00	-62.00	RMS	35.10	-44.21	0.50	-95.23	41.84	-13.00	-49.00	Horizontal
3	7400.00	-61.72	RMS	36.00	-43.00	0.67	-95.23	39.84	-13.00	-48.72	Horizontal



Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Vertical
Mode : WCDMA1900 CH9262

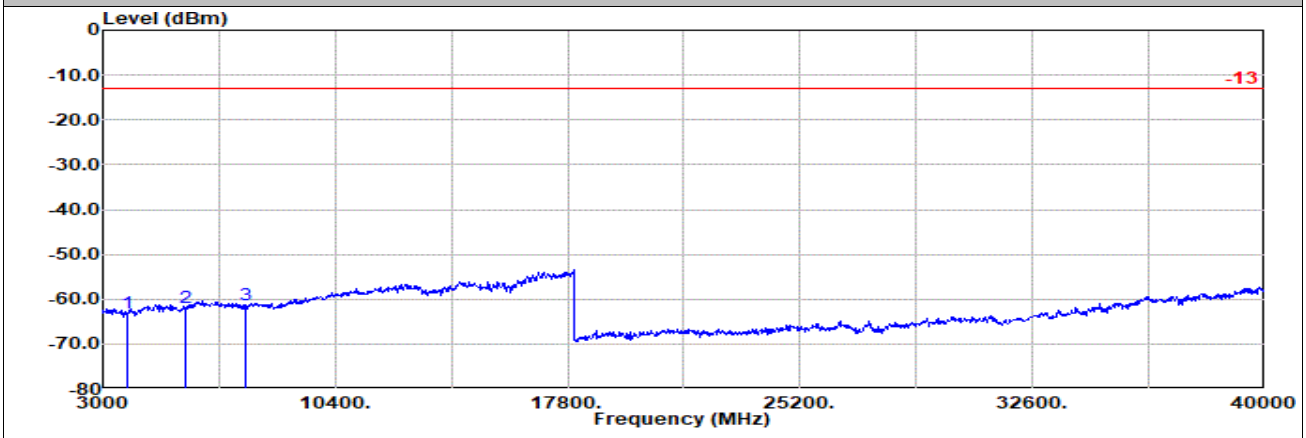
	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3705.00	-63.30	RMS	33.41	-48.76	0.85	-95.23	46.44	-13.00	-50.30	Vertical
2	5550.00	-62.30	RMS	35.10	-44.21	0.50	-95.23	41.54	-13.00	-49.30	Vertical
3	7400.00	-61.55	RMS	36.00	-43.00	0.67	-95.23	40.01	-13.00	-48.55	Vertical

Ant. 1

Part 24E Mode 2

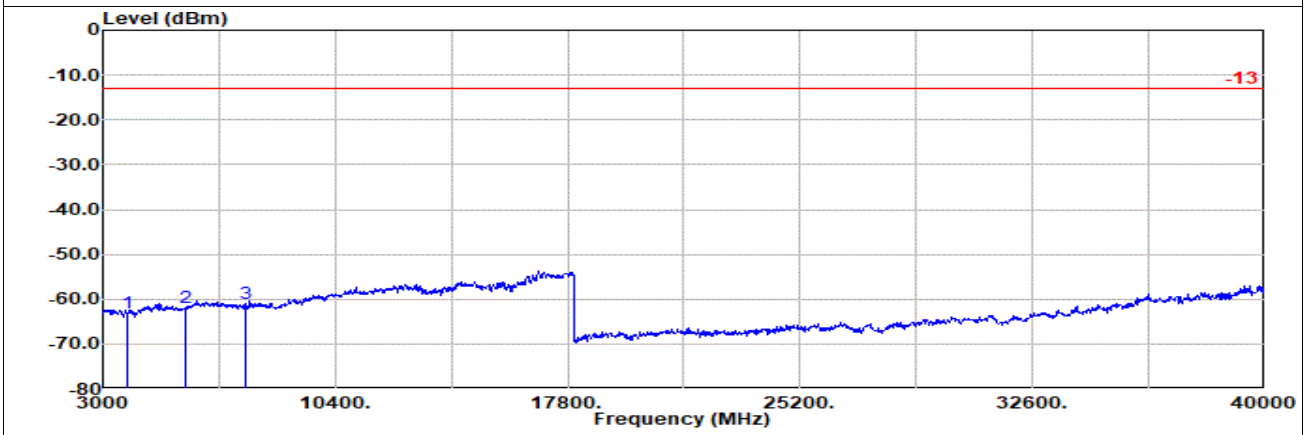
WCDMA B2 Ch9400

M



Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Horizontal
Mode : WCDMA1900 CH9400

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3765.00	-63.02	RMS	33.50	-48.67	0.79	-95.23	46.60	-13.00	-50.02	Horizontal
2	5640.00	-61.98	RMS	34.98	-43.80	0.44	-95.23	41.63	-13.00	-48.98	Horizontal
3	7520.00	-61.18	RMS	36.00	-43.07	0.60	-95.23	40.52	-13.00	-48.18	Horizontal



Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Vertical
Mode : WCDMA1900 CH9400

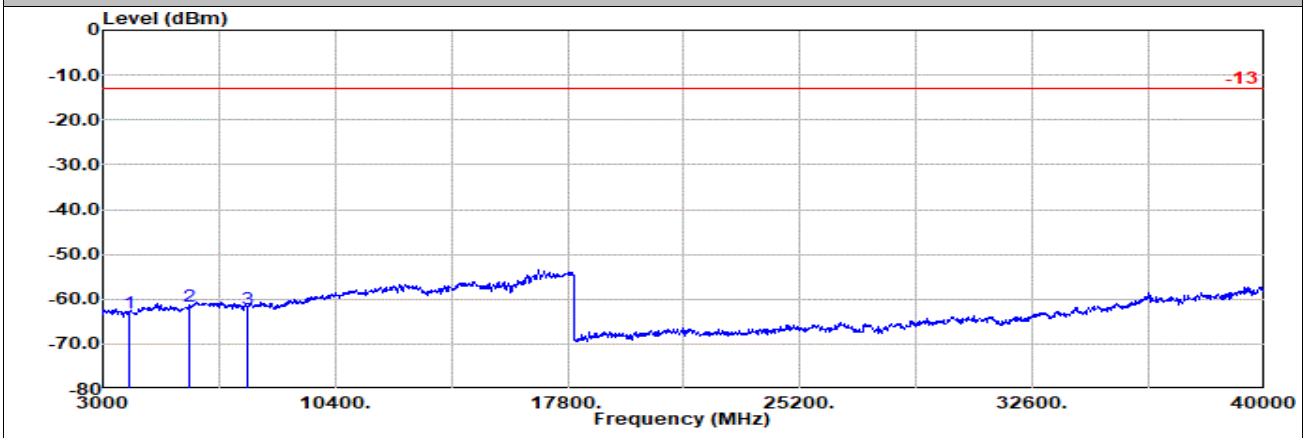
	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3765.00	-63.12	RMS	33.50	-48.67	0.79	-95.23	46.50	-13.00	-50.12	Vertical
2	5640.00	-61.83	RMS	34.98	-43.80	0.44	-95.23	41.78	-13.00	-48.83	Vertical
3	7520.00	-61.06	RMS	36.00	-43.07	0.60	-95.23	40.64	-13.00	-48.06	Vertical

Ant. 1

Part 24E Mode 2

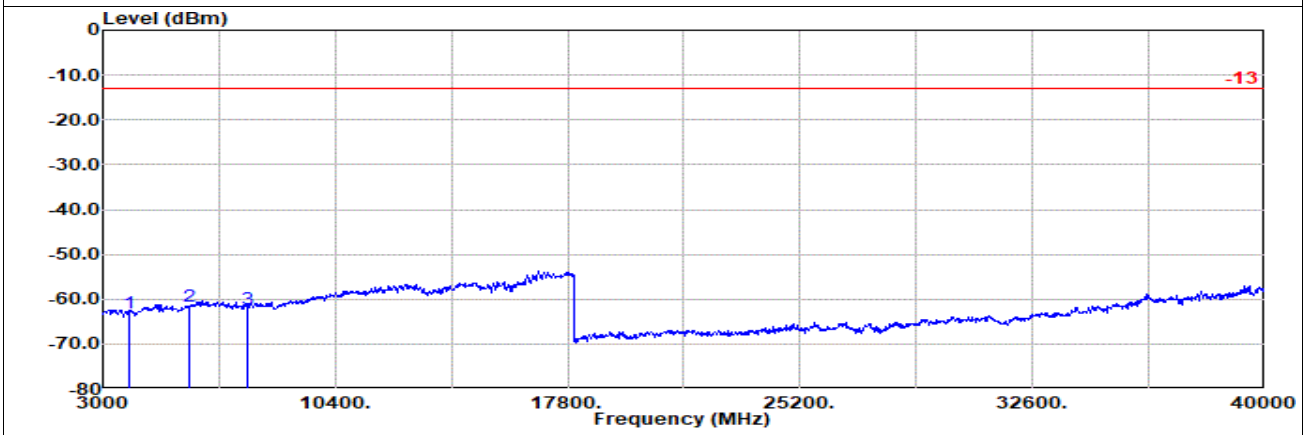
WCDMA B2 Ch9538

H



Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Horizontal
Mode : WCDMA1900 CH9538

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3810.00	-63.03	RMS	33.56	-48.61	0.75	-95.23	46.51	-13.00	-50.03	Horizontal
2	5722.80	-61.73	RMS	35.10	-43.46	0.34	-95.23	41.52	-13.00	-48.73	Horizontal
3	7630.40	-62.26	RMS	36.10	-42.92	0.57	-95.23	39.22	-13.00	-49.26	Horizontal



Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Vertical
Mode : WCDMA1900 CH9538

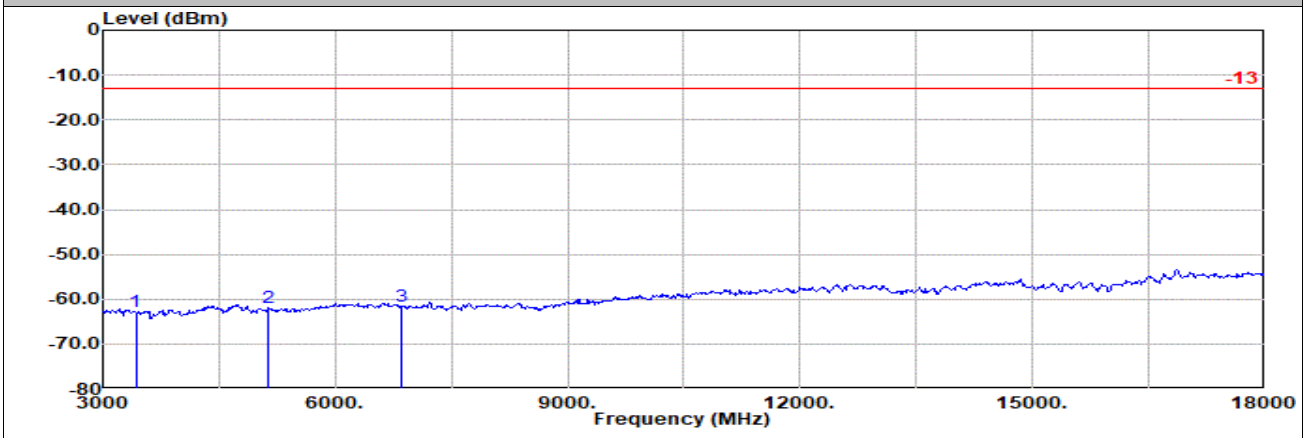
	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3810.00	-63.08	RMS	33.56	-48.61	0.75	-95.23	46.45	-13.00	-50.08	Vertical
2	5722.80	-61.43	RMS	35.10	-43.46	0.34	-95.23	41.82	-13.00	-48.43	Vertical
3	7630.40	-62.22	RMS	36.10	-42.92	0.57	-95.23	39.26	-13.00	-49.22	Vertical

Ant. 1

Part 27L Mode 1

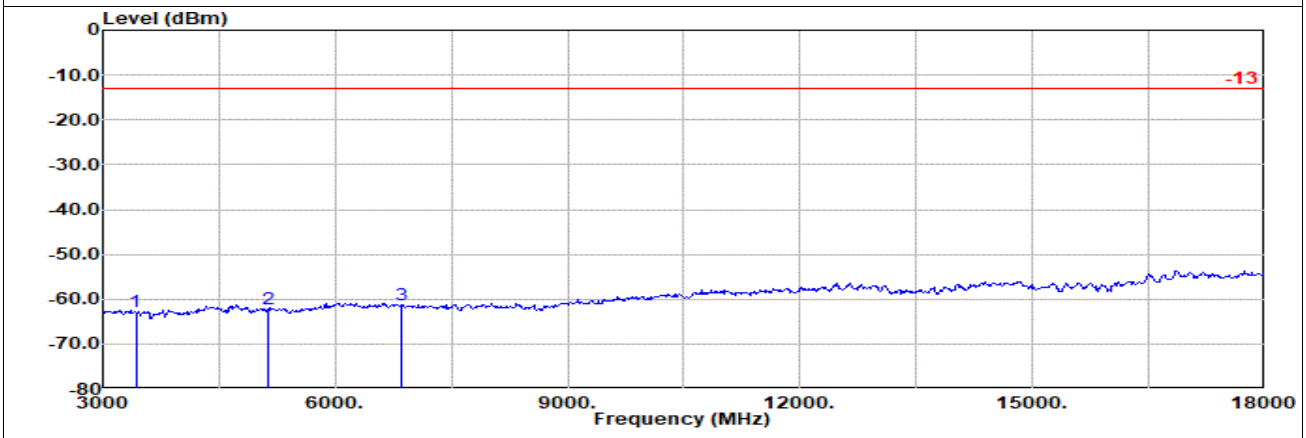
WCDMA B4 Ch1312

L



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Horizontal
Mode : WCDMA Band4 Ch1312

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3424.80	-62.75	RMS	33.15	-49.12	0.99	-95.23	47.46	-13.00	-49.75	Horizontal
2	5137.20	-62.03	RMS	34.60	-45.45	0.44	-95.23	43.61	-13.00	-49.03	Horizontal
3	6849.60	-61.71	RMS	36.00	-42.45	0.62	-95.23	39.35	-13.00	-48.71	Horizontal



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Vertical
Mode : WCDMA Band4 Ch1312

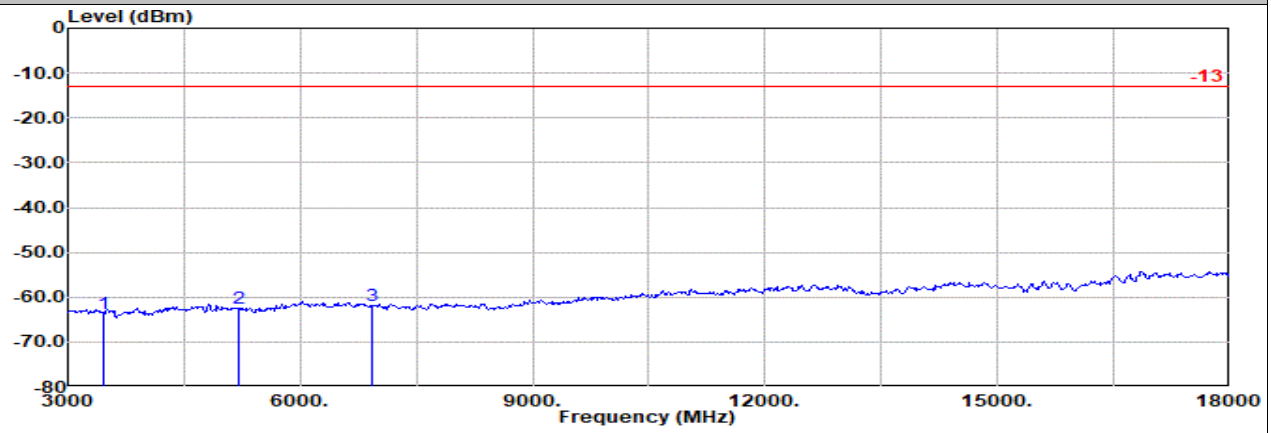
	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3424.80	-62.78	RMS	33.15	-49.12	0.99	-95.23	47.43	-13.00	-49.78	Vertical
2	5137.20	-62.25	RMS	34.60	-45.45	0.44	-95.23	43.39	-13.00	-49.25	Vertical
3	6849.60	-61.38	RMS	36.00	-42.45	0.62	-95.23	39.68	-13.00	-48.38	Vertical

Ant. 1

Part 27L Mode 1

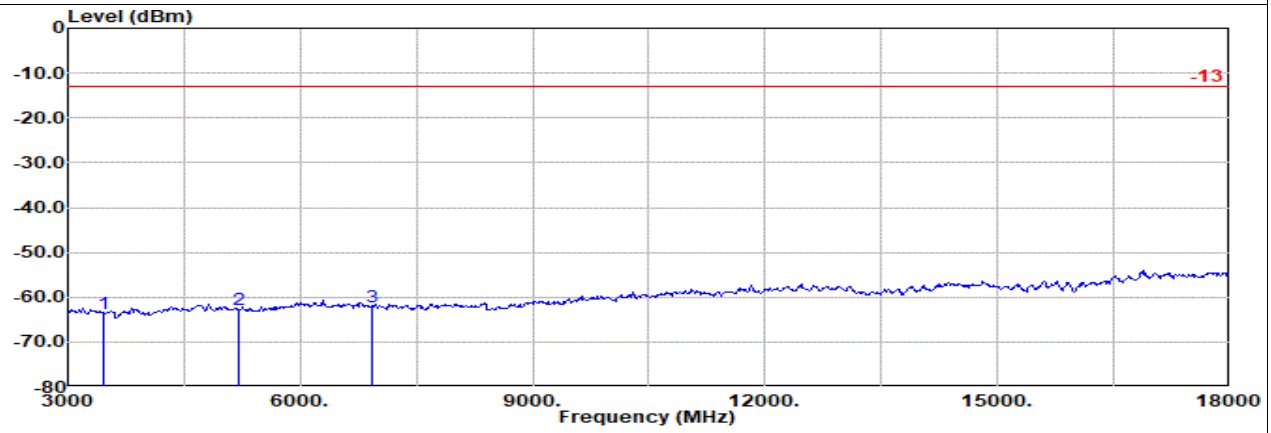
WCDMA B4 Ch1413

M



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Horizontal
Mode : WCDMA Band 4 CH1413

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3465.00	-63.70	RMS	33.07	-49.07	0.98	-95.23	46.55	-13.00	-50.70	Horizontal
2	5197.80	-62.52	RMS	34.80	-45.29	0.43	-95.23	42.77	-13.00	-49.52	Horizontal
3	6930.40	-61.99	RMS	36.00	-42.62	0.56	-95.23	39.30	-13.00	-48.99	Horizontal



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Vertical
Mode : WCDMA Band 4 CH1413

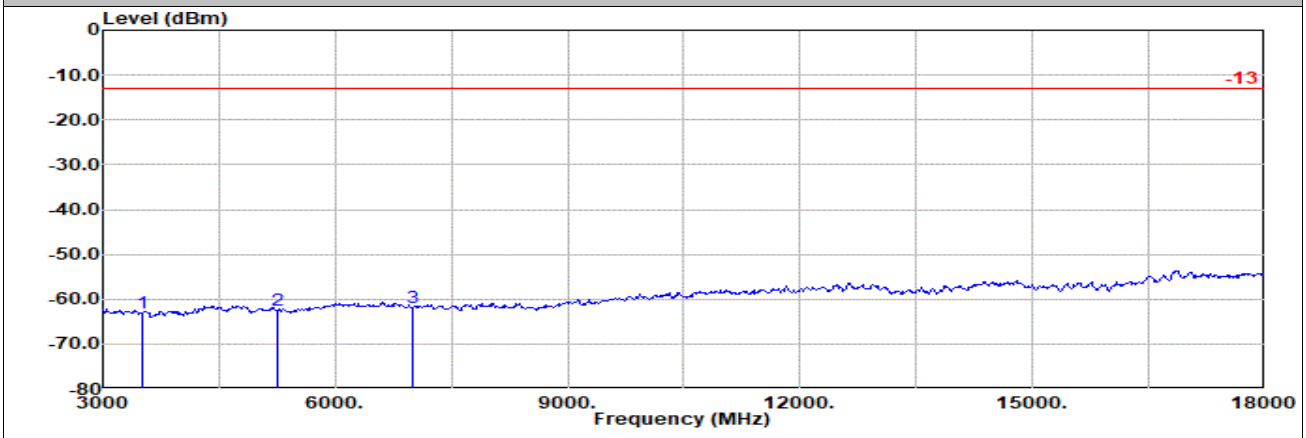
	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3465.00	-63.62	RMS	33.07	-49.07	0.98	-95.23	46.63	-13.00	-50.62	Vertical
2	5197.80	-62.77	RMS	34.80	-45.29	0.43	-95.23	42.52	-13.00	-49.77	Vertical
3	6930.40	-62.04	RMS	36.00	-42.62	0.56	-95.23	39.25	-13.00	-49.04	Vertical

Ant. 1

Part 27L Mode 1

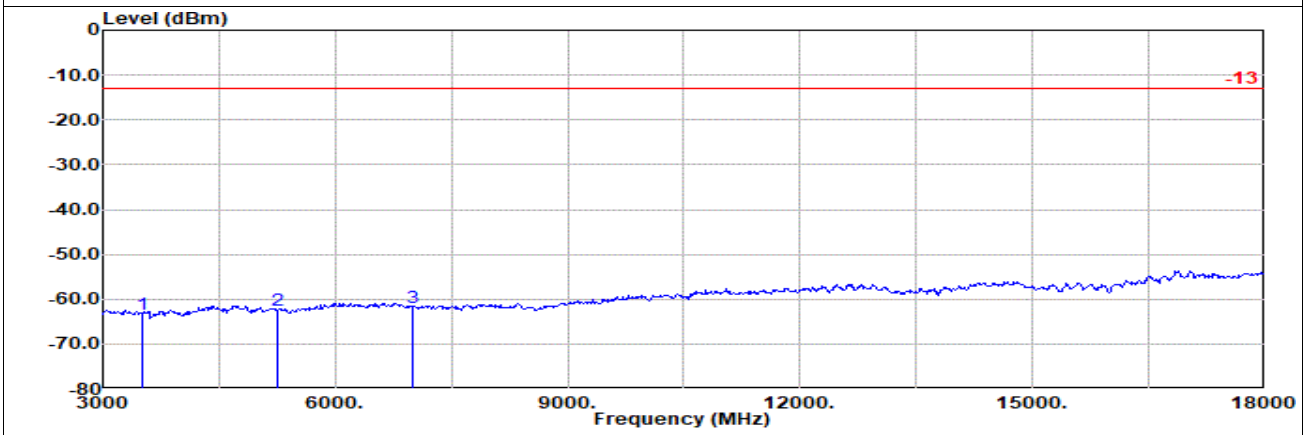
WCDMA B4 Ch1513

H



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Horizontal
Mode : WCDMA Band4 Ch1513

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3505.20	-62.98	RMS	33.01	-49.02	0.97	-95.23	47.29	-13.00	-49.98	Horizontal
2	5257.80	-62.63	RMS	34.73	-45.14	0.47	-95.23	42.54	-13.00	-49.63	Horizontal
3	7010.40	-61.77	RMS	36.00	-42.78	0.52	-95.23	39.72	-13.00	-48.77	Horizontal



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Vertical
Mode : WCDMA Band4 Ch1513

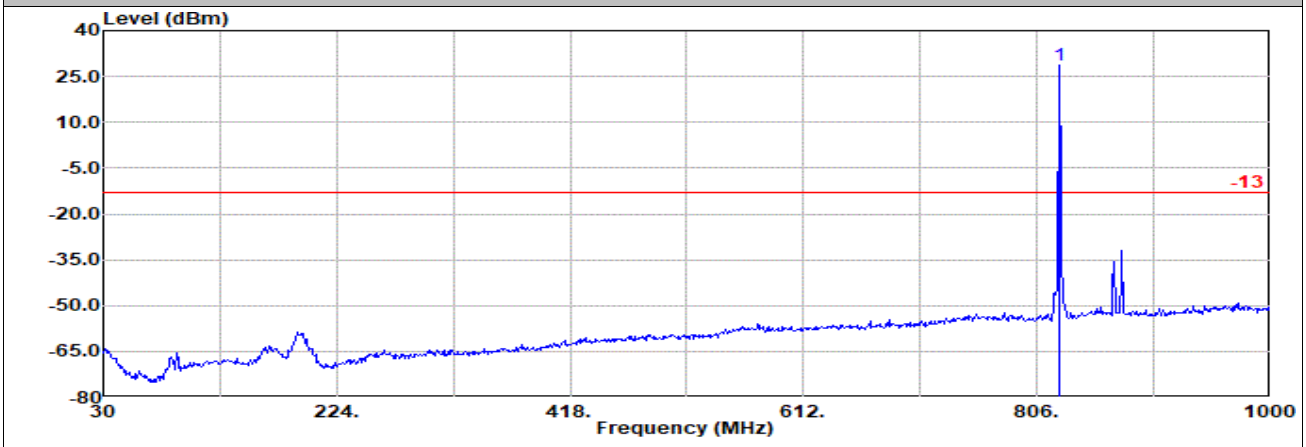
	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3505.20	-63.38	RMS	33.01	-49.02	0.97	-95.23	46.89	-13.00	-50.38	Vertical
2	5257.80	-62.45	RMS	34.73	-45.14	0.47	-95.23	42.72	-13.00	-49.45	Vertical
3	7010.40	-61.88	RMS	36.00	-42.78	0.52	-95.23	39.61	-13.00	-48.88	Vertical

Ant. 0

Part 22H Mode 1

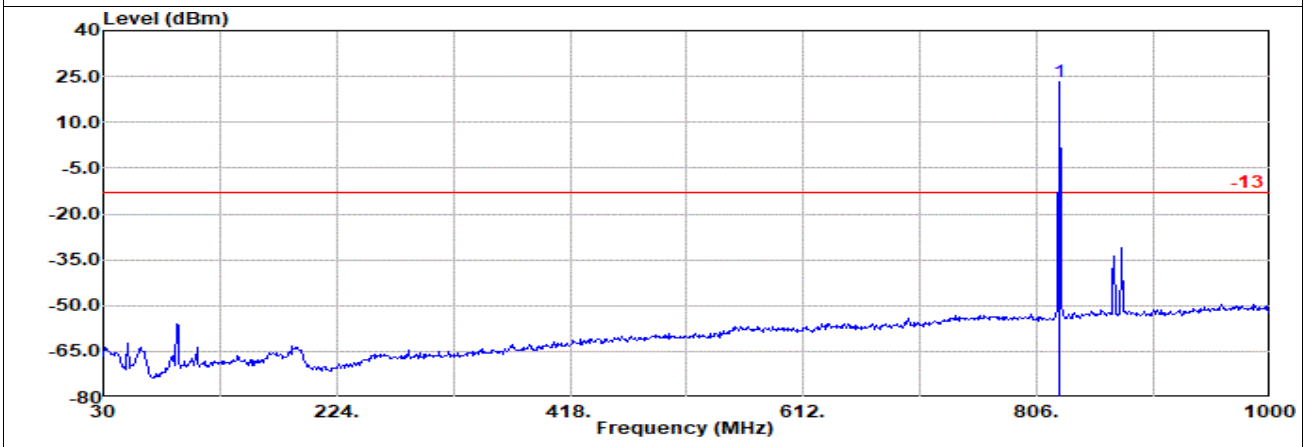
GSM 850 Ch128

L




```
Site      : 03CH07-HY
Condition: -13 3m Bilog_35419 Horizontal
Mode      : GSM850 CH128
          : #1 is fundamental signal which can be ignored.
```

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	824.43	28.51	RMS	27.93	4.94	0.00	-95.23	90.87	-13.00	41.51	Horizontal




```
Site      : 03CH07-HY
Condition: -13 3m Bilog_35419 Vertical
Mode      : GSM850 CH128
          : #1 is fundamental signal which can be ignored.
```

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	824.43	23.21	RMS	27.93	4.94	0.00	-95.23	85.57	-13.00	36.21	Vertical