



FCC RADIO TEST REPORT

FCC ID : UZ7TC58BE
Equipment : Touch Computer
Brand Name : Zebra
Model Name : TC58BE
Applicant : Zebra Technologies Corporation
1 Zebra Plaza, Holtsville, NY 11742
Manufacturer : Zebra Technologies Corporation
1 Zebra Plaza, Holtsville, NY 11742
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27(L)

The product was received on Feb. 05, 2024 and testing was performed from Feb. 28, 2024 to Apr. 09, 2024. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures 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. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



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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	Occupied Bandwidth (GSM850) (WCDMA Band V) (GSM1900) (WCDMA Band II) (WCDMA Band IV)	Pass	-
	§22.917 (b)			
	§24.238 (b)			
	§27.53 (g)			
3.5	§2.1051	Band Edge Measurement (GSM850) (WCDMA Band V) (GSM1900) (WCDMA Band II) (WCDMA Band IV)	Pass	-
	§22.917 (a)			
	§24.238 (a)			
	§27.53 (g)			
3.6	§2.1051	Conducted Emission (GSM850) (WCDMA Band V) (GSM1900) (WCDMA Band II) (WCDMA Band IV)	Pass	-
	§22.917 (a)			
	§24.238 (a)			
	§27.53 (g)			
3.7	§2.1055	Frequency Stability Temperature & Voltage	Pass	-
	§22.355			
	§24.235			
	§27.54			
4.4	§2.1053 §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	14.69 dB under the limit at 2472.00 MHz

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Wei Chen

Report Producer: Rebecca Wu



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Touch Computer
Brand Name	Zebra
Model Name	TC58BE
FCC ID	UZ7TC58BE
Sample 1	SE55 + 8GB 128G
Sample 2	SE4720 + 6GB 64G
Sample 3	SE4770 + 8GB 128GB
EUT supports Radios application	GSM/WCDMA/HSPA/LTE/5G NR/NFC/GNSS WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE
HW Version	DV1-2
SW Version	nemesis_A13_userdebug_GMS_RelKey_2023-12-12-0451_main_SE
FW Version	FUSION_QA_6_1.1.0.004_T
MFD	06DEC23
DUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer.

Specification of Accessories				
Adapter	Brand Name	Zebra	Part Number	PWR-WUA5V12W0US
Battery 1 (1x)	Brand Name	Zebra	Part Number	BT-000442-0020
Battery 2 (1.5x)	Brand Name	Zebra	Part Number	BT-000442-0820
Battery 3 (BLE battery)	Brand Name	Zebra	Part Number	BT-000442-002B
Battery 4 (Wireless Battery)	Brand Name	Zebra	Part Number	BT-000442-002A
Battery 5 (1x)	Brand Name	Zebra	Part Number	BT-000442-1020
USB TYPE A to TYPE C cable	Brand Name	Zebra	Part Number	CBL-TC5X-USBC2A-01
USB TYPE C to 3.5mm audio connector	Brand Name	Zebra	Part Number	ADP-USBC-35MM1-01
3.5mm Earphone	Brand Name	Zebra	Part Number	HDST-35MM-PTT1-01
Rugged Headset	Brand Name	Zebra	Part Number	HS2100-OTH
USB TYPE C Earphone	Brand Name	Zebra	Part Number	HDST-USBC-PTT1-01
Trigger Handle	Brand Name	Zebra	Part Number	TRG-NGTC5-ELEC-01
Soft Holster	Brand Name	Zebra	Part Number	SG-NGTC5TC7-HLSTR-01
TC53/TC58 RUGGED BOOT	Brand Name	Zebra	Part Number	SG-NGTC5EXO1-01
3.5mm to 3.5mm audio connector	Brand Name	Zebra	Part Number	CBL-HS2100-3MS1-01

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx Frequency	GSM: GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8 MHz WCDMA: Band V: 826.4 MHz ~ 846.6 MHz Band II: 1852.4 MHz ~ 1907.6 MHz Band IV: 1712.4 MHz ~ 1752.6 MHz
Rx Frequency	GSM: GSM850: 869.2 MHz ~ 893.8 MHz GSM1900: 1930.2 MHz ~ 1989.8 MHz WCDMA: Band V: 871.4 MHz ~ 891.6 MHz Band II: 1932.4 MHz ~ 1987.6 MHz Band IV: 2112.4 MHz ~ 2152.6 MHz
Maximum Output Power to Antenna	GSM: GSM850: 33.11 dBm GSM1900: 30.20 dBm WCDMA: Band V: 24.79 dBm Band II: 23.79 dBm Band IV: 24.73 dBm
Antenna Type	PIFA Antenna
Antenna Gain	Cellular Band: -1.91 dBi PCS Band: -1.16 dBi AWS Band: 0.16 dBi
Type of Modulation	GSM / GPRS: GMSK EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK WCDMA: QPSK (Uplink) HSDPA: 64QAM (Downlink) HSUPA: QPSK (Uplink)

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

1.3 Modification of EUT

No modifications made to the EUT during the testing.



1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. TH03-HY
Test Engineer	Eric Wu
Temperature (°C)	20.2~22.2
Relative Humidity (%)	41.3~43.3

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. 03CH12-HY (TAF Code: 3786)
Test Engineer	Jesse Fan, Tim Lee, and Wilson Wu
Temperature (°C)	20~25
Relative Humidity (%)	50~60
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

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

FCC Designation No.: TW1190 and TW3786

1.5 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 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.

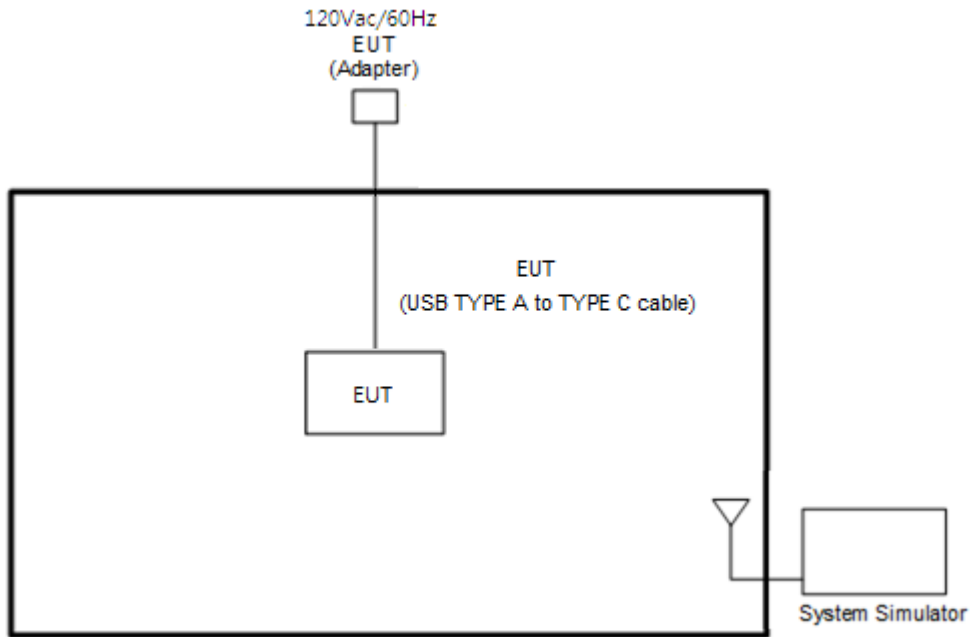
Test modes are chosen to be reported as the worst case configuration below:

Test Modes		
Band	Radiated TCs	Conducted TCs
GSM850	<ul style="list-style-type: none"> ■ GPRS Class 8 Link ■ EDGE Class 8 Link 	<ul style="list-style-type: none"> ■ GPRS Class 8 Link ■ EDGE Class 8 Link
GSM1900	<ul style="list-style-type: none"> ■ GPRS Class 8 Link ■ EDGE Class 10 Link 	<ul style="list-style-type: none"> ■ GPRS Class 8 Link ■ EDGE Class 10 Link
WCDMA Band V	<ul style="list-style-type: none"> ■ RMC 12.2Kbps Link 	<ul style="list-style-type: none"> ■ RMC 12.2Kbps Link
WCDMA Band II	<ul style="list-style-type: none"> ■ RMC 12.2Kbps Link 	<ul style="list-style-type: none"> ■ RMC 12.2Kbps Link
WCDMA Band IV	<ul style="list-style-type: none"> ■ RMC 12.2Kbps Link 	<ul style="list-style-type: none"> ■ RMC 12.2Kbps Link

Remark: All the radiated test cases were performed with Battery 1 (1x) and Sample 1.

2.2 Connection Diagram of Test System

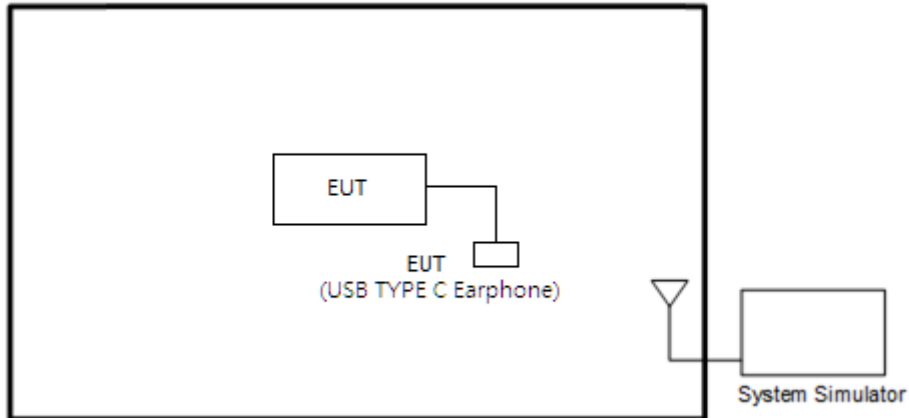
<EUT with Adapter>



<EUT without Accessory>



<EUT with Earphone>



2.3 Support Unit used in test configuration

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss + attenuator factor.

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

Example:

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



2.5 Frequency List of Low/Middle/High Channels

Frequency List				
Band	Channel/Frequency(MHz)	Lowest	Middle	Highest
GSM850	Channel	128	189	251
	Frequency	824.2	836.4	848.8
WCDMA Band V	Channel	4132	4182	4233
	Frequency	826.4	836.4	846.6
GSM1900	Channel	512	661	810
	Frequency	1850.2	1880.0	1909.8
WCDMA Band II	Channel	9262	9400	9538
	Frequency	1852.4	1880.0	1907.6
WCDMA Band IV	Channel	1312	1413	1513
	Frequency	1712.4	1732.6	1752.6

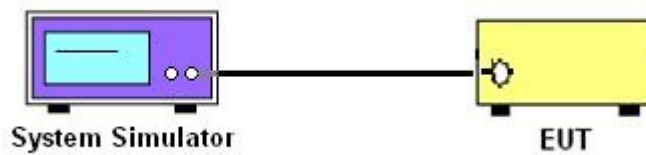
3 Conducted Test Result

3.1 Measuring Instruments

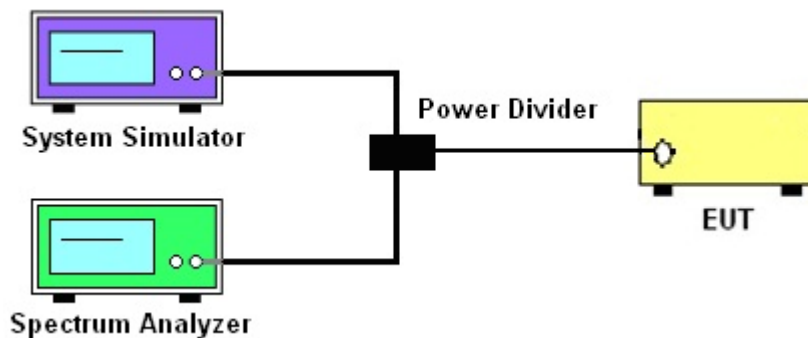
Please refer to the measuring equipment list in this test report.

3.1.1 Test Setup

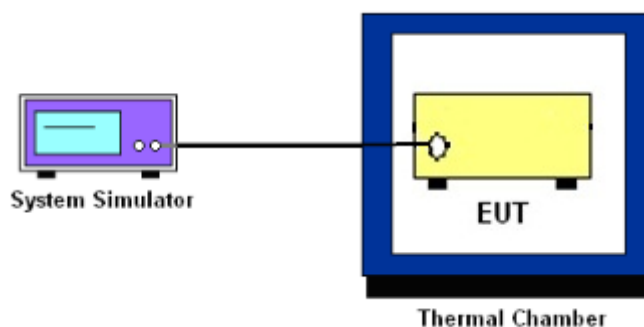
3.1.2 Conducted Output Power



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



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power and ERP/EIRP

3.2.1 Description of the Conducted Output Power and ERP/EIRP

A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for GSM850 and WCDMA Band V

The EIRP of mobile transmitters must not exceed 2 Watts for GSM1900 and WCDMA Band II

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

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.2.2 Test Procedures

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



3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

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

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

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



3.4 99% Occupied Bandwidth and 26dB Bandwidth Measurement

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

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

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

3.4.2 Test Procedures

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

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



3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

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

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

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



3.6 Conducted Spurious Emission

3.6.1 Description of Conducted Spurious Emission Measurement

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

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

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

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



3.7 Frequency Stability

3.7.1 Description of Frequency Stability Measurement

22.355

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

24.235 & 27.54

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

3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

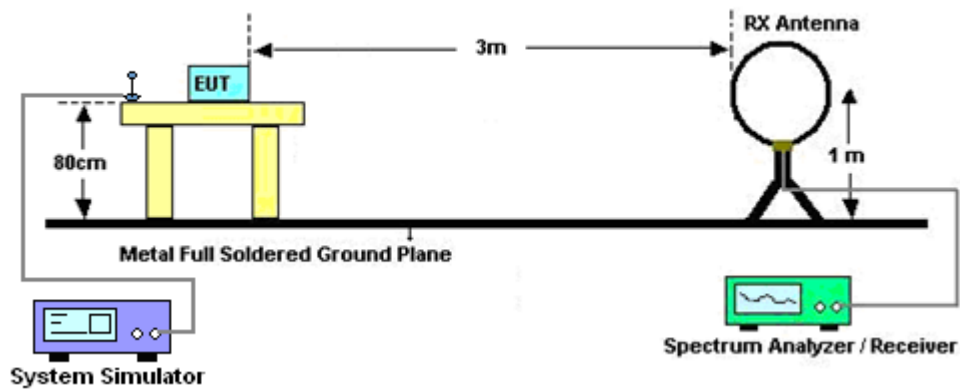
4 Radiated Test Items

4.1 Measuring Instruments

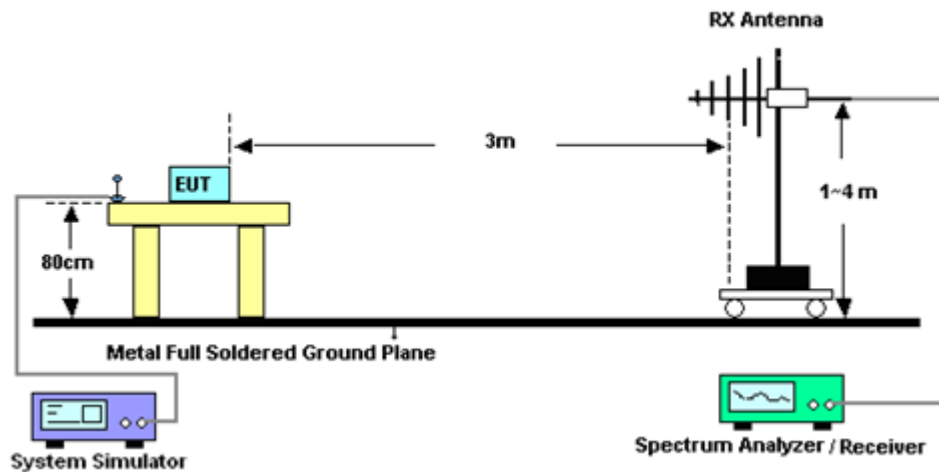
Please refer to the measuring equipment list in this test report.

4.2 Test Setup

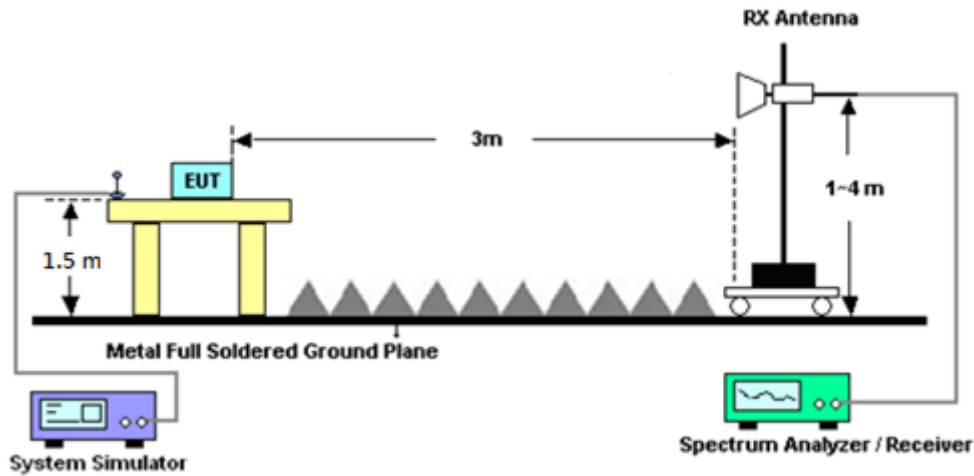
For radiated test below 30MHz



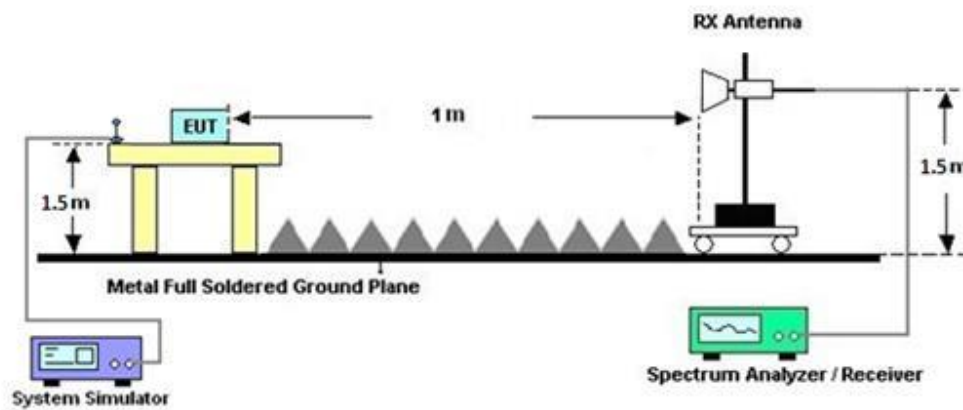
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.3 Test Result of Radiated Test

Please refer to Appendix B.

Note:

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

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



4.4 Field Strength of Spurious Radiation Measurement

4.4.1 Description of Field Strength of Spurious Radiated Measurement

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

4.4.2 Test Procedures

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

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



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Feb. 23, 2024	Feb. 28, 2024~ Apr. 08, 2024	Feb. 22, 2025	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Nov. 03, 2023	Feb. 28, 2024~ Apr. 08, 2024	Nov. 02, 2024	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Jul. 31, 2023	Feb. 28, 2024~ Apr. 08, 2024	Jul. 30, 2024	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA9170	00993	18GHz~40GHz	Nov. 24, 2023	Feb. 28, 2024~ Apr. 08, 2024	Nov. 23, 2024	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103A	161075	10MHz~1GHz	Mar. 21, 2023	Feb. 28, 2024~ Mar. 19, 2024	Mar. 20, 2024	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103A	161075	10MHz~1GHz	Mar. 20, 2024	Mar. 20, 2024~ Apr. 08, 2024	Mar. 19, 2025	Radiation (03CH12-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	May 23, 2023	Feb. 28, 2024~ Apr. 08, 2024	May 22, 2024	Radiation (03CH12-HY)
Preamplifier	E-INSTRUME NT TECH LTD.	ERA-100M-18 G-56-01-A70	EC1900249	1GHz-18GHz	Dec. 20, 2023	Feb. 28, 2024~ Apr. 08, 2024	Dec. 19, 2024	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 07, 2023	Feb. 28, 2024~ Apr. 08, 2024	Dec. 06, 2024	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 10, 2024	Feb. 28, 2024~ Apr. 08, 2024	Jan. 09, 2025	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-900- 1000-15000-6 0SS	SN11	1GHz High Pass Filter	Nov. 02, 2023	Feb. 28, 2024~ Apr. 08, 2024	Nov. 01, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 0SS	SN2	3GHz High Pass Filter	Jul. 10, 2023	Feb. 28, 2024~ Apr. 08, 2024	Jul. 09, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000- 40ST	SN5	6.75GHz High Pass Filter	Mar. 09, 2023	Feb. 28, 2024~ Mar. 07, 2024	Mar. 08, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000- 40ST	SN5	6.75GHz High Pass Filter	Mar. 08, 2024	Mar. 08, 2024~ Apr. 08, 2024	Mar. 07, 2025	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 07, 2023	Feb. 28, 2024~ Mar. 05, 2024	Mar. 06, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 06, 2024	Mar. 06, 2024~ Apr. 08, 2024	Mar. 05, 2025	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 18, 2023	Feb. 28, 2024~ Apr. 08, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Dec. 18, 2023	Feb. 28, 2024~ Apr. 08, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803953/2	30MHz~40GHz	Dec. 18, 2023	Feb. 28, 2024~ Apr. 08, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
Hygrometer	TECEPEL	DTM-303B	TP210117	N/A	Oct. 19, 2023	Feb. 28, 2024~ Apr. 08, 2024	Oct. 18, 2024	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Feb. 28, 2024~ Apr. 08, 2024	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Feb. 28, 2024~ Apr. 08, 2024	N/A	Radiation (03CH12-HY)
Radio Communication Test Station	Anritsu	NT8000A	6272337370	N/A	Nov. 14, 2023	Feb. 28, 2024~ Apr. 08, 2024	Nov. 13, 2024	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Feb. 28, 2024~ Apr. 08, 2024	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Feb. 28, 2024~ Apr. 08, 2024	N/A	Radiation (03CH12-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	Rohde & Schwarz	FSP30	101329	9kHz~30GHz	Sep. 20, 2023	Mar. 06, 2024~ Apr. 09, 2024	Sep. 19, 2024	Conducted (TH03-HY)
Base Station (Measure)	Rohde & Schwarz	CMU200	117995	GSM / GPRS / WCDMA / CDMA	Aug. 06, 2023	Mar. 06, 2024~ Apr. 09, 2024	Aug. 05, 2024	Conducted (TH03-HY)
Thermal Chamber	ESPEC	SU-241	92003713	-30°C ~95°C	May 17, 2023	Mar. 06, 2024~ Apr. 09, 2024	May 16, 2024	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Mar. 06, 2024~ Apr. 09, 2024	Nov. 06, 2024	Conducted (TH03-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890001	1V~20V 0.5A~4A	Sep. 12, 2023	Mar. 06, 2024~ Apr. 09, 2024	Sep. 11, 2024	Conducted (TH03-HY)



6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.07 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.63 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.14 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power) & ERP / EIRP

GSM850 Maximum Average Power [dBm] (GT - LC = -1.91 dB)					
Channel	128	189	251	ERP (dBm)	ERP (W)
Frequency	824.2	836.4	848.8		
GSM	33.02	32.89	33.08	29.80	0.9550
GPRS class 8	33.06	32.91	33.11		
GPRS class 10	31.58	31.67	31.54		
GPRS class 11	30.88	30.83	30.73		
GPRS class 12	29.72	29.45	29.55		
EGPRS class 8	27.47	27.19	27.29	24.16	0.2606
EGPRS class 10	27.44	27.12	27.30		
EGPRS class 11	26.94	26.86	26.85		
EGPRS class 12	26.98	26.71	26.84		
Limit	ERP < 7W			Result	Pass

GSM1900 Maximum Average Power [dBm] (GT - LC = -1.16 dB)					
Channel	512	661	810	EIRP (dBm)	EIRP (W)
Frequency	1850.2	1880	1909.8		
GSM	30.17	30.02	30.05	28.29	0.6745
GPRS class 8	30.20	30.05	30.09		
GPRS class 10	29.86	29.76	29.84		
GPRS class 11	29.64	29.50	29.58		
GPRS class 12	27.82	27.62	27.43		
EGPRS class 8	25.33	25.07	25.14	23.47	0.2223
EGPRS class 10	25.38	24.94	25.04		
EGPRS class 11	24.95	24.66	24.82		
EGPRS class 12	24.86	24.54	24.67		
Limit	EIRP < 2W			Result	Pass



WCDMA Band V Maximum Average Power [dBm] (GT - LC = -1.91 dB)					
Channel	4132	4182	4233	ERP (dBm)	ERP (W)
Frequency	826.4	836.4	846.6		
RMC 12.2K	24.55	24.61	24.79	21.48	0.1406
HSDPA Subtest-1	23.20	23.31	23.24		
HSDPA Subtest-2	23.21	23.34	23.23		
HSDPA Subtest-3	22.71	22.77	22.79		
HSDPA Subtest-4	22.70	22.79	22.93		
HSUPA Subtest-1	23.34	23.38	23.27		
HSUPA Subtest-2	21.23	21.28	21.29		
HSUPA Subtest-3	22.25	22.22	22.23		
HSUPA Subtest-4	21.31	21.32	21.29		
HSUPA Subtest-5	23.18	23.30	23.38		
Limit	ERP < 7W				

WCDMA Band II Maximum Average Power [dBm] (GT - LC = -1.16 dB)					
Channel	9262	9400	9538	EIRP (dBm)	EIRP (W)
Frequency	1852.4	1880	1907.6		
RMC 12.2K	23.79	23.65	23.56	21.88	0.1542
HSDPA Subtest-1	23.46	23.32	23.21		
HSDPA Subtest-2	23.39	23.30	23.12		
HSDPA Subtest-3	22.89	22.78	22.59		
HSDPA Subtest-4	22.82	22.74	22.67		
HSUPA Subtest-1	23.51	23.30	23.18		
HSUPA Subtest-2	21.38	21.27	21.15		
HSUPA Subtest-3	22.38	22.25	22.11		
HSUPA Subtest-4	21.36	21.24	21.13		
HSUPA Subtest-5	23.32	23.16	23.09		
Limit	EIRP < 2W				

WCDMA Band IV Maximum Average Power [dBm] (GT - LC = 0.16 dB)					
Channel	1312	1413	1513	EIRP (dBm)	EIRP (W)
Frequency	1712.4	1732.6	1752.6		
RMC 12.2K	24.48	24.63	24.73	23.57	0.2275
HSDPA Subtest-1	23.07	23.15	23.26		
HSDPA Subtest-2	23.13	23.32	23.28		
HSDPA Subtest-3	22.69	22.62	22.71		
HSDPA Subtest-4	22.51	22.74	22.66		
HSUPA Subtest-1	23.07	23.14	23.34		
HSUPA Subtest-2	21.08	21.21	21.27		
HSUPA Subtest-3	22.07	22.28	22.21		
HSUPA Subtest-4	21.01	21.13	21.31		
HSUPA Subtest-5	23.09	23.12	23.29		
Limit	EIRP < 1W				



A2. GSM

Peak-to-Average Ratio

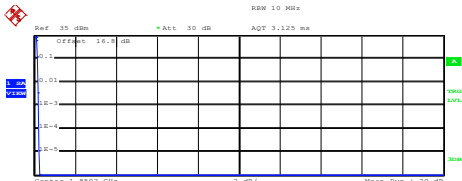
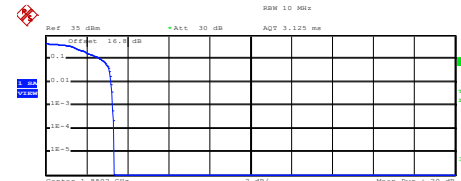
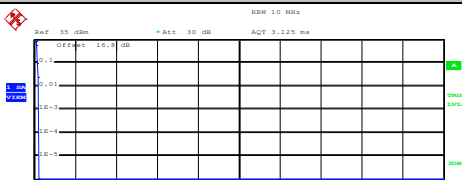
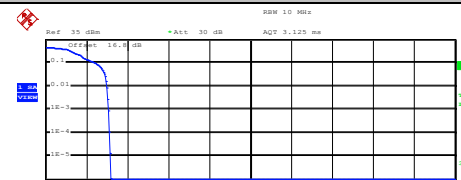
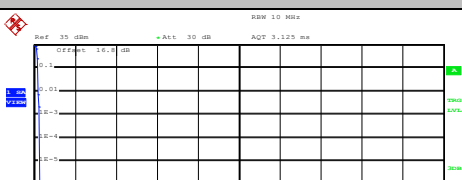
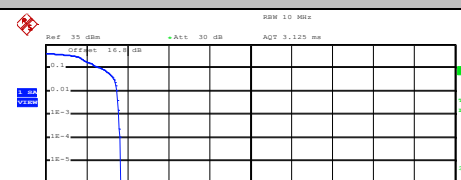
Mode	GSM850		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.24	3.20	PASS
Middle CH	0.24	3.28	
Highest CH	0.24	3.28	

Mode	GSM1900		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.24	3.28	PASS
Middle CH	0.24	3.08	
Highest CH	0.28	3.56	



GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
<p align="center">Lowest Channel</p> <p align="center">Date: 6.MAR.2024 16:14:14</p>	<p align="center">Lowest Channel</p> <p align="center">Date: 6.MAR.2024 16:30:17</p>
<p align="center">Middle Channel</p> <p align="center">Date: 6.MAR.2024 16:14:32</p>	<p align="center">Middle Channel</p> <p align="center">Date: 6.MAR.2024 16:30:36</p>
<p align="center">Highest Channel</p> <p align="center">Date: 6.MAR.2024 16:14:50</p>	<p align="center">Highest Channel</p> <p align="center">Date: 6.MAR.2024 16:30:54</p>



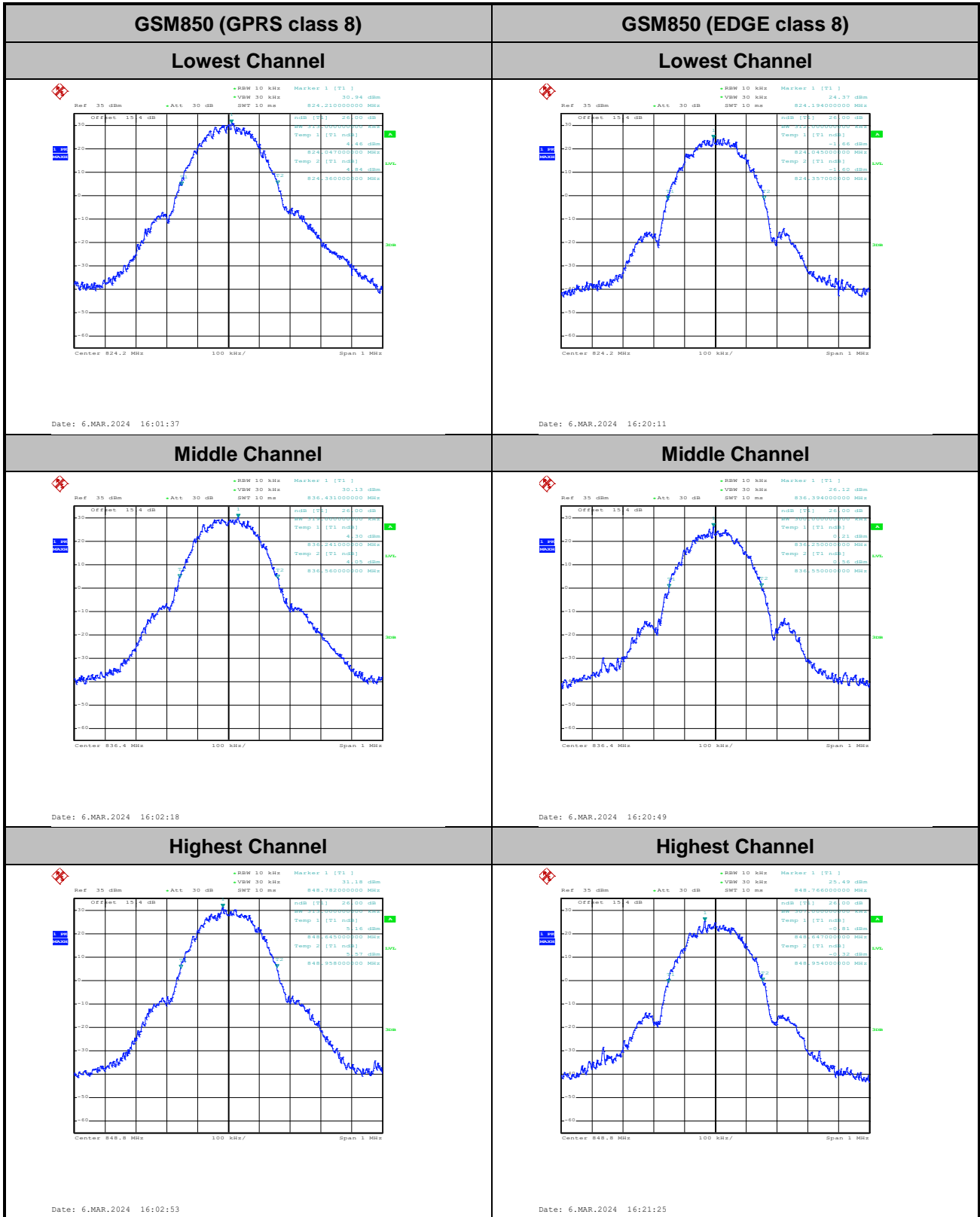
GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)																
<p style="text-align: center;">Lowest Channel</p>  <p>Ref 35 dBm *Att 30 dB AQT 3.125 ms Center 1.8502 GHz 2 dB/ Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 30.21 dBm Peak 30.45 dBm Crest 0.24 dB</p> <table border="0"> <tr><td>10 %</td><td>0.16 dB</td></tr> <tr><td>1 %</td><td>0.20 dB</td></tr> <tr><td>.1 %</td><td>0.24 dB</td></tr> <tr><td>.01 %</td><td>0.24 dB</td></tr> </table> <p>Date: 6.MAR.2024 16:45:57</p>	10 %	0.16 dB	1 %	0.20 dB	.1 %	0.24 dB	.01 %	0.24 dB	<p style="text-align: center;">Lowest Channel</p>  <p>Ref 35 dBm *Att 30 dB AQT 3.125 ms Center 1.8502 GHz 2 dB/ Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 25.42 dBm Peak 28.76 dBm Crest 3.34 dB</p> <table border="0"> <tr><td>10 %</td><td>2.68 dB</td></tr> <tr><td>1 %</td><td>3.20 dB</td></tr> <tr><td>.1 %</td><td>3.28 dB</td></tr> <tr><td>.01 %</td><td>3.36 dB</td></tr> </table> <p>Date: 6.MAR.2024 17:00:08</p>	10 %	2.68 dB	1 %	3.20 dB	.1 %	3.28 dB	.01 %	3.36 dB
10 %	0.16 dB																
1 %	0.20 dB																
.1 %	0.24 dB																
.01 %	0.24 dB																
10 %	2.68 dB																
1 %	3.20 dB																
.1 %	3.28 dB																
.01 %	3.36 dB																
<p style="text-align: center;">Middle Channel</p>  <p>Ref 35 dBm *Att 30 dB AQT 3.125 ms Center 1.88 GHz 2 dB/ Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 30.01 dBm Peak 30.24 dBm Crest 0.23 dB</p> <table border="0"> <tr><td>10 %</td><td>0.16 dB</td></tr> <tr><td>1 %</td><td>0.24 dB</td></tr> <tr><td>.1 %</td><td>0.24 dB</td></tr> <tr><td>.01 %</td><td>0.24 dB</td></tr> </table> <p>Date: 6.MAR.2024 16:46:13</p>	10 %	0.16 dB	1 %	0.24 dB	.1 %	0.24 dB	.01 %	0.24 dB	<p style="text-align: center;">Middle Channel</p>  <p>Ref 35 dBm *Att 30 dB AQT 3.125 ms Center 1.88 GHz 2 dB/ Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 25.32 dBm Peak 28.48 dBm Crest 3.16 dB</p> <table border="0"> <tr><td>10 %</td><td>2.44 dB</td></tr> <tr><td>1 %</td><td>3.00 dB</td></tr> <tr><td>.1 %</td><td>3.08 dB</td></tr> <tr><td>.01 %</td><td>3.12 dB</td></tr> </table> <p>Date: 6.MAR.2024 17:00:34</p>	10 %	2.44 dB	1 %	3.00 dB	.1 %	3.08 dB	.01 %	3.12 dB
10 %	0.16 dB																
1 %	0.24 dB																
.1 %	0.24 dB																
.01 %	0.24 dB																
10 %	2.44 dB																
1 %	3.00 dB																
.1 %	3.08 dB																
.01 %	3.12 dB																
<p style="text-align: center;">Highest Channel</p>  <p>Ref 35 dBm *Att 30 dB AQT 3.125 ms Center 1.9098 GHz 2 dB/ Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 29.99 dBm Peak 30.24 dBm Crest 0.26 dB</p> <table border="0"> <tr><td>10 %</td><td>0.20 dB</td></tr> <tr><td>1 %</td><td>0.20 dB</td></tr> <tr><td>.1 %</td><td>0.28 dB</td></tr> <tr><td>.01 %</td><td>0.28 dB</td></tr> </table> <p>Date: 6.MAR.2024 16:46:30</p>	10 %	0.20 dB	1 %	0.20 dB	.1 %	0.28 dB	.01 %	0.28 dB	<p style="text-align: center;">Highest Channel</p>  <p>Ref 35 dBm *Att 30 dB AQT 3.125 ms Center 1.9098 GHz 2 dB/ Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.82 dBm Peak 28.48 dBm Crest 3.66 dB</p> <table border="0"> <tr><td>10 %</td><td>2.72 dB</td></tr> <tr><td>1 %</td><td>3.48 dB</td></tr> <tr><td>.1 %</td><td>3.56 dB</td></tr> <tr><td>.01 %</td><td>3.64 dB</td></tr> </table> <p>Date: 6.MAR.2024 17:01:16</p>	10 %	2.72 dB	1 %	3.48 dB	.1 %	3.56 dB	.01 %	3.64 dB
10 %	0.20 dB																
1 %	0.20 dB																
.1 %	0.28 dB																
.01 %	0.28 dB																
10 %	2.72 dB																
1 %	3.48 dB																
.1 %	3.56 dB																
.01 %	3.64 dB																



26dB Bandwidth

Mode	GSM850 : 26dB BW(MHz)	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.313	0.312
Middle CH	0.319	0.300
Highest CH	0.313	0.307

Mode	GSM1900 : 26dB BW(MHz)	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.310	0.313
Middle CH	0.317	0.309
Highest CH	0.314	0.313



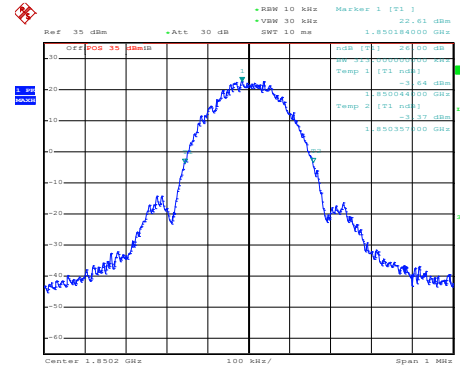
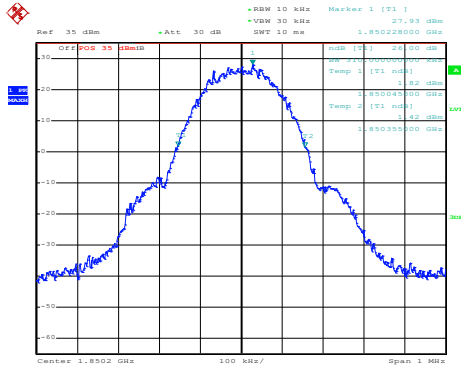


GSM1900 (GPRS class 8)

GSM1900 (EDGE class 8)

Lowest Channel

Lowest Channel

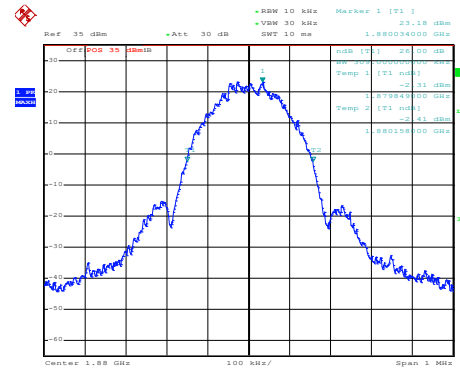
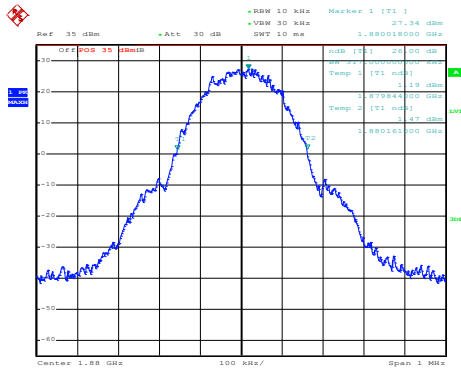


Date: 6.MAR.2024 16:35:56

Date: 6.MAR.2024 16:49:12

Middle Channel

Middle Channel

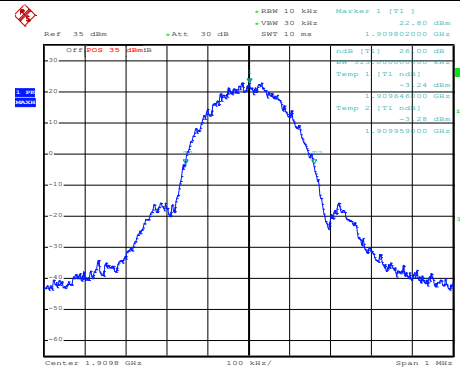
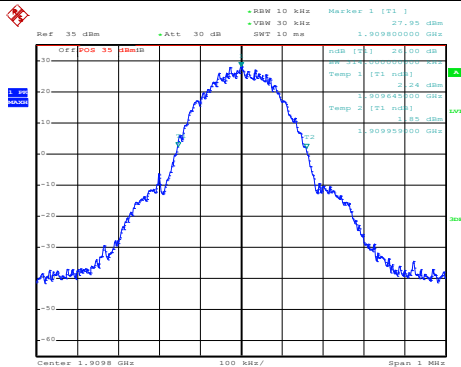


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Date: 6.MAR.2024 16:49:46

Highest Channel

Highest Channel



Date: 6.MAR.2024 16:37:08

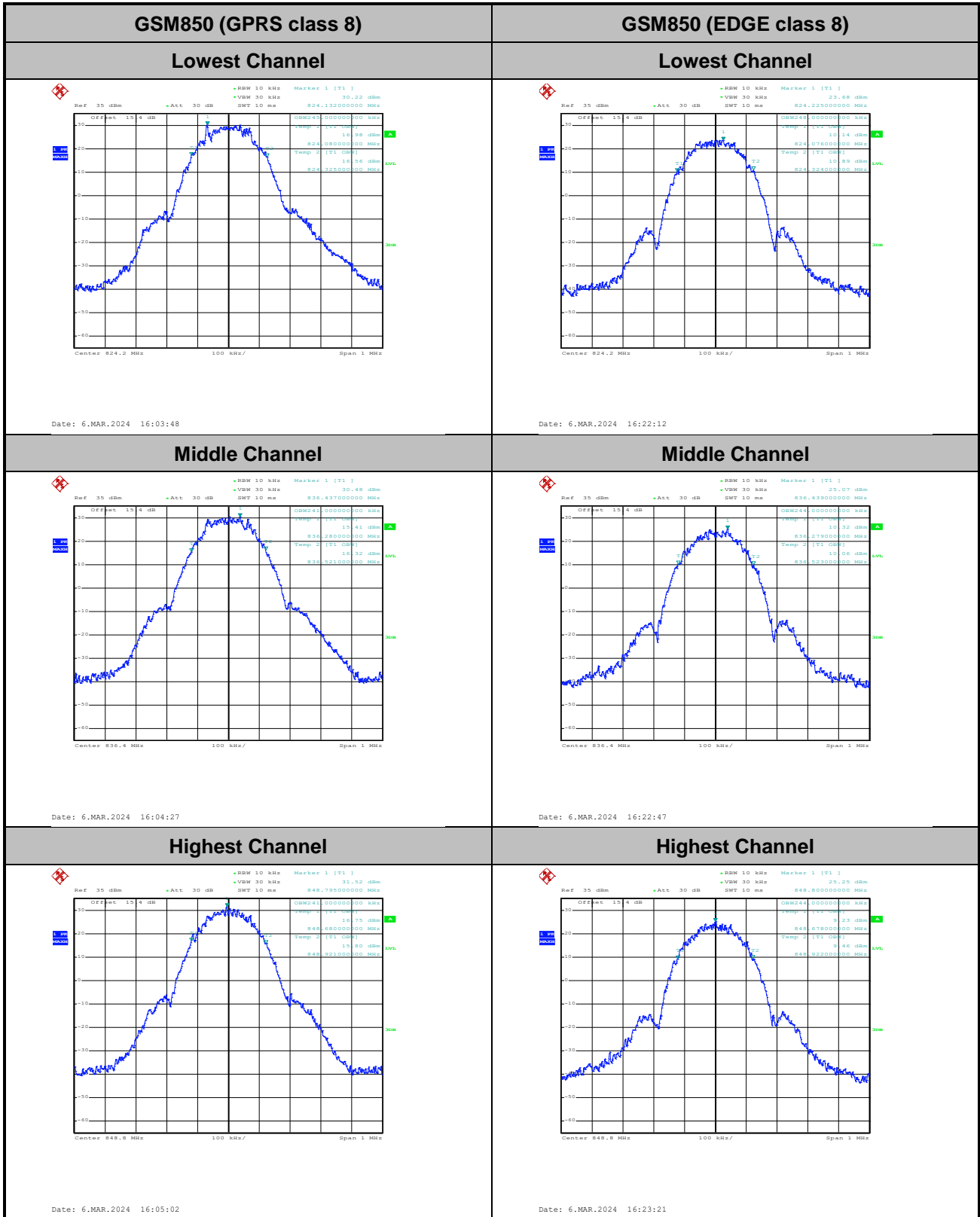
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Occupied Bandwidth

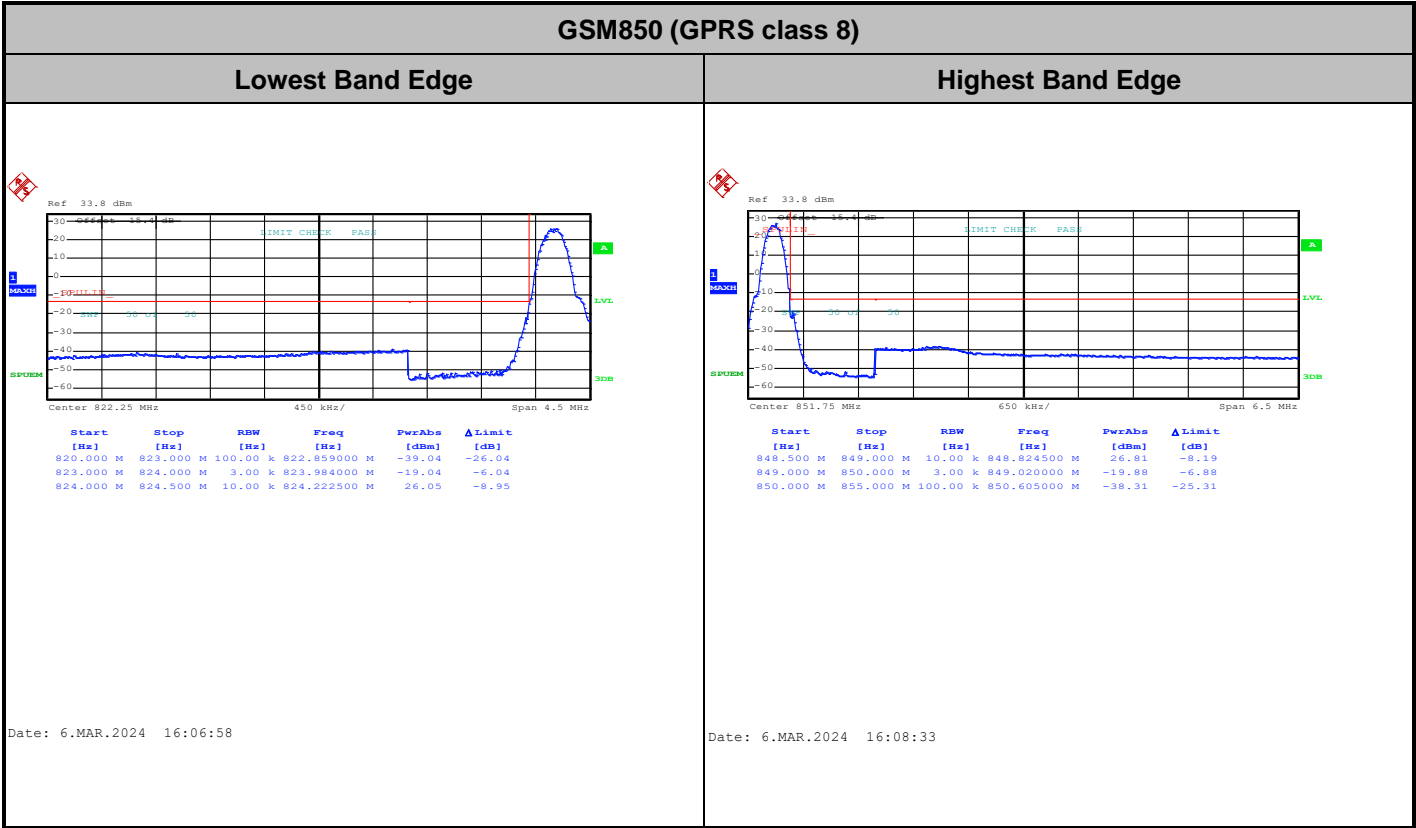
Mode	GSM850 : 99%OBW(MHz)	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.245	0.248
Middle CH	0.241	0.244
Highest CH	0.241	0.244

Mode	GSM1900 : 99%OBW(MHz)	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.248	0.248
Middle CH	0.247	0.245
Highest CH	0.241	0.247





Conducted Band Edge

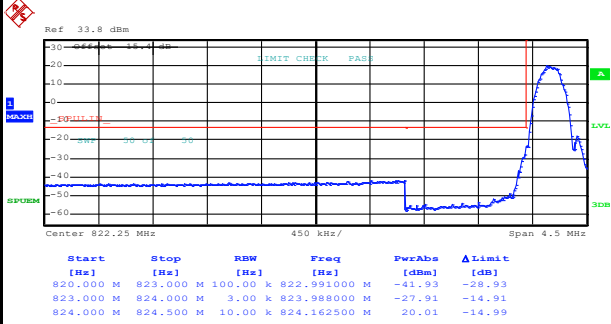




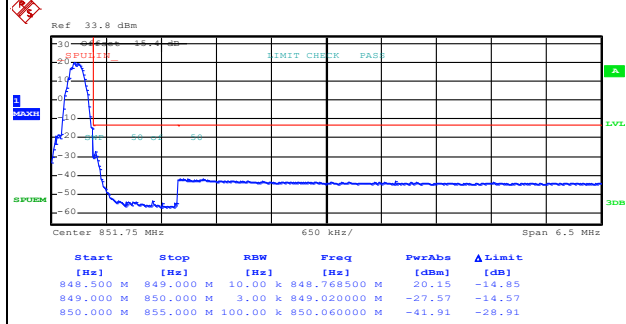
GSM850 (EDGE class 8)

Lowest Band Edge

Highest Band Edge



Date: 6.MAR.2024 16:25:11



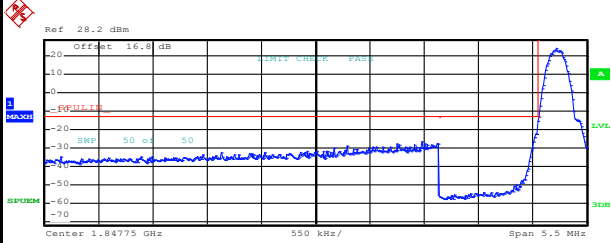
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GSM1900 (GPRS class 8)

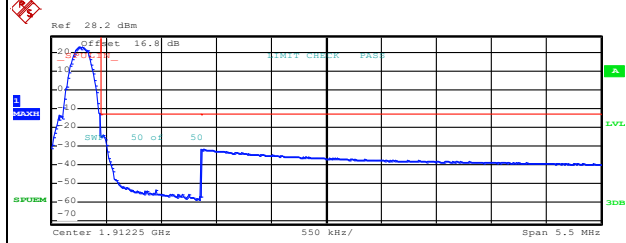
Lowest Band Edge

Highest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848824 G	-26.55	-13.55
1.845 G	1.850 G	3.00 k	1.849984 G	-22.40	-9.40
1.850 G	1.851 G	10.00 k	1.850191 G	23.74	-11.26

Date: 6.MAR.2024 16:40:54



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909806 G	22.90	-12.10
1.910 G	1.911 G	3.00 k	1.910012 G	-23.57	-10.57
1.911 G	1.915 G	1.00 M	1.911020 G	-31.91	-18.91

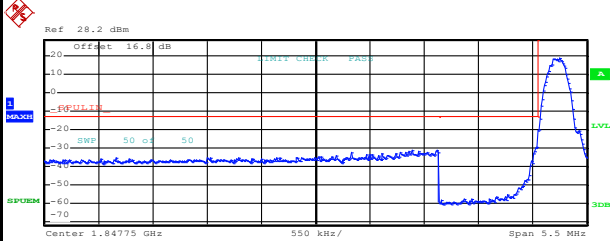
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GSM1900 (EDGE class 8)

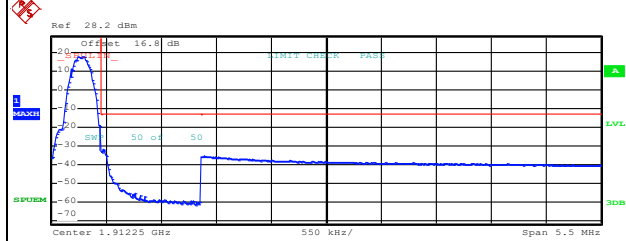
Lowest Band Edge

Highest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848720 G	-30.90	-17.90
1.849 G	1.850 G	3.00 k	1.849992 G	-29.55	-16.55
1.850 G	1.851 G	10.00 k	1.850227 G	18.37	-16.63

Date: 6.MAR.2024 16:54:27

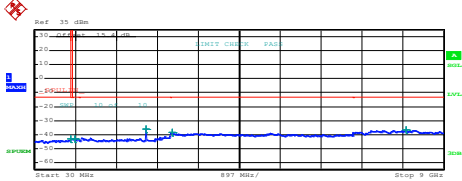
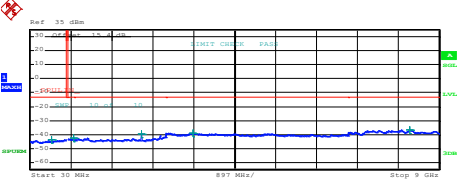
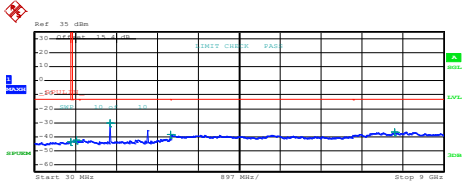
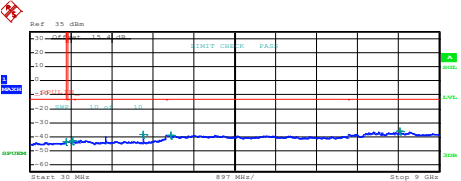
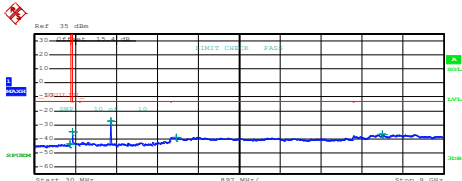
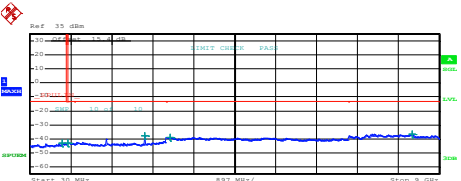


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909923 G	17.45	-17.55
1.910 G	1.911 G	3.00 k	1.910008 G	-31.50	-18.50
1.911 G	1.915 G	1.00 M	1.911024 G	-35.21	-22.21

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Conducted Spurious Emission

GSM850 (GPRS class 8)	GSM850 (EDGE class 8)																																																																																				
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3.000	7.000	1.00	3.567000	-37.53	-24.53																																																																																
7.000	13.600	1.00	10.248775	-35.45	-22.45																																																																																
13.600	19.100	1.00	15.289388	-29.89	-12.89																																																																																
Start [MHz]	Stop [MHz]	RBW [Hz]	Freq [MHz]	Power [dBm]	Limit [dBm]																																																																																
30.000	1.000	1.00	107.200000	-42.51	-29.51																																																																																
1.000	1.845	1.00	1.297651	-41.20	-28.20																																																																																
1.845	3.000	1.00	3.000000	-40.31	-27.31																																																																																
3.000	7.000	1.00	3.000000	-37.74	-24.74																																																																																
7.000	13.600	1.00	10.209250	-35.15	-22.15																																																																																
13.600	19.100	1.00	15.322875	-29.48	-12.48																																																																																
<p style="text-align: center;">Middle Channel</p> <table border="1"> <thead> <tr> <th>Start [MHz]</th> <th>Stop [MHz]</th> <th>RBW [Hz]</th> <th>Freq [MHz]</th> <th>Power [dBm]</th> <th>Limit [dBm]</th> </tr> </thead> <tbody> <tr><td>30.000</td><td>1.000</td><td>1.00</td><td>141.792500</td><td>-29.68</td><td>-16.68</td></tr> <tr><td>1.000</td><td>1.845</td><td>1.00</td><td>1.275470</td><td>-41.09</td><td>-28.09</td></tr> <tr><td>1.845</td><td>3.000</td><td>1.00</td><td>2.990235</td><td>-40.02</td><td>-27.02</td></tr> <tr><td>3.000</td><td>7.000</td><td>1.00</td><td>5.387000</td><td>-37.52</td><td>-24.52</td></tr> <tr><td>7.000</td><td>13.600</td><td>1.00</td><td>10.233375</td><td>-35.46</td><td>-22.46</td></tr> <tr><td>13.600</td><td>19.100</td><td>1.00</td><td>15.281875</td><td>-26.11</td><td>-13.11</td></tr> </tbody> </table> <p>Date: 6.MAR.2024 16:44:32</p>	Start [MHz]	Stop [MHz]	RBW [Hz]	Freq [MHz]	Power [dBm]	Limit [dBm]	30.000	1.000	1.00	141.792500	-29.68	-16.68	1.000	1.845	1.00	1.275470	-41.09	-28.09	1.845	3.000	1.00	2.990235	-40.02	-27.02	3.000	7.000	1.00	5.387000	-37.52	-24.52	7.000	13.600	1.00	10.233375	-35.46	-22.46	13.600	19.100	1.00	15.281875	-26.11	-13.11	<p style="text-align: center;">Middle Channel</p> <table border="1"> <thead> <tr> <th>Start [MHz]</th> <th>Stop [MHz]</th> <th>RBW [Hz]</th> <th>Freq [MHz]</th> <th>Power [dBm]</th> <th>Limit [dBm]</th> </tr> </thead> <tbody> <tr><td>30.000</td><td>1.000</td><td>1.00</td><td>982.050000</td><td>-41.99</td><td>-28.99</td></tr> <tr><td>1.000</td><td>1.845</td><td>1.00</td><td>1.133933</td><td>-41.43</td><td>-28.43</td></tr> <tr><td>1.845</td><td>3.000</td><td>1.00</td><td>2.899637</td><td>-40.17</td><td>-27.17</td></tr> <tr><td>3.000</td><td>7.000</td><td>1.00</td><td>5.142000</td><td>-37.76</td><td>-24.76</td></tr> <tr><td>7.000</td><td>13.600</td><td>1.00</td><td>10.227400</td><td>-35.00</td><td>-22.00</td></tr> <tr><td>13.600</td><td>19.100</td><td>1.00</td><td>15.308438</td><td>-25.98</td><td>-12.98</td></tr> </tbody> </table> <p>Date: 6.MAR.2024 16:58:08</p>	Start [MHz]	Stop [MHz]	RBW [Hz]	Freq [MHz]	Power [dBm]	Limit [dBm]	30.000	1.000	1.00	982.050000	-41.99	-28.99	1.000	1.845	1.00	1.133933	-41.43	-28.43	1.845	3.000	1.00	2.899637	-40.17	-27.17	3.000	7.000	1.00	5.142000	-37.76	-24.76	7.000	13.600	1.00	10.227400	-35.00	-22.00	13.600	19.100	1.00	15.308438	-25.98	-12.98
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Start [MHz]	Stop [MHz]	RBW [Hz]	Freq [MHz]	Power [dBm]	Limit [dBm]																																																																																
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Frequency Stability

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (EDGE class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0024	0.0012	PASS
40	Normal Voltage	0.0060	0.0036	
30	Normal Voltage	0.0048	0.0060	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0048	0.0060	
0	Normal Voltage	0.0072	0.0048	
-10	Normal Voltage	0.0120	0.0108	
-20	Normal Voltage	0.0024	0.0024	
20	Maximum Voltage	0.0084	0.0072	
20	Normal Voltage	0.0108	0.0120	
20	Battery End Point	0.0036	0.0024	

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0021	0.0011	PASS
40	Normal Voltage	0.0053	0.0037	
30	Normal Voltage	0.0037	0.0016	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0027	0.0021	
0	Normal Voltage	0.0011	0.0011	
-10	Normal Voltage	0.0128	0.0138	
-20	Normal Voltage	0.0213	0.0202	
20	Maximum Voltage	0.0032	0.0027	
20	Normal Voltage	0.0011	0.0027	
20	Battery End Point	0.0154	0.0149	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

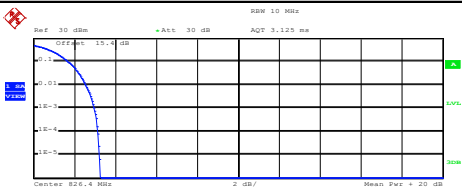
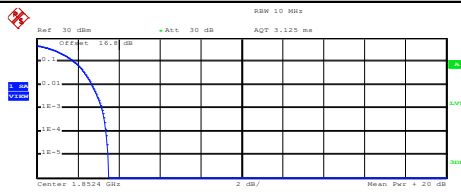
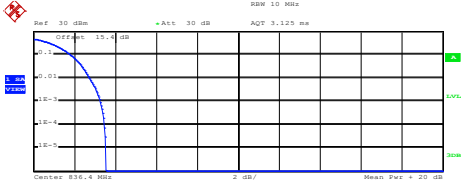
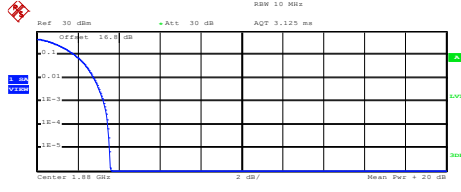

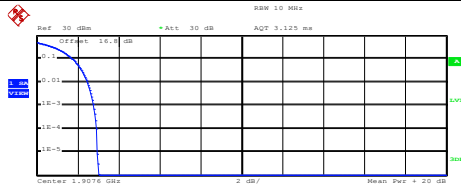


A3. WCDMA

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	2.96	3.16	2.48	PASS
Middle CH	3.28	3.28	2.96	
Highest CH	2.84	2.76	3.08	

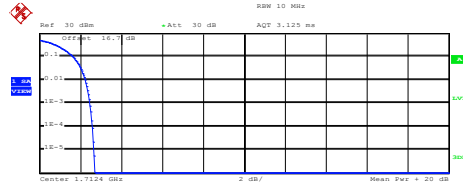


WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
<p style="text-align: center;">Lowest Channel</p>  <p>Center 826.4 MHz 2 dB/ Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 23.62 dBm Peak 26.86 dBm Crest 3.25 dB</p> <p>10 % 1.68 dB 1 % 2.56 dB .1 % 2.96 dB .01 % 3.16 dB</p> <p>Date: 6.MAR.2024 15:48:00</p>	<p style="text-align: center;">Lowest Channel</p>  <p>Center 1.8524 GHz 2 dB/ Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 24.70 dBm Peak 28.21 dBm Crest 3.50 dB</p> <p>10 % 1.84 dB 1 % 2.68 dB .1 % 3.16 dB .01 % 3.40 dB</p> <p>Date: 6.MAR.2024 14:56:31</p>
<p style="text-align: center;">Middle Channel</p>  <p>Center 836.4 MHz 2 dB/ Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 23.88 dBm Peak 27.43 dBm Crest 3.55 dB</p> <p>10 % 1.80 dB 1 % 2.72 dB .1 % 3.28 dB .01 % 3.48 dB</p> <p>Date: 6.MAR.2024 15:48:18</p>	<p style="text-align: center;">Middle Channel</p>  <p>Center 1.88 GHz 2 dB/ Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 23.69 dBm Peak 27.29 dBm Crest 3.60 dB</p> <p>10 % 1.84 dB 1 % 2.80 dB .1 % 3.28 dB .01 % 3.48 dB</p> <p>Date: 6.MAR.2024 14:56:50</p>
<p style="text-align: center;">Highest Channel</p>  <p>Center 846.6 MHz 2 dB/ Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 24.80 dBm Peak 28.06 dBm Crest 3.26 dB</p> <p>10 % 1.72 dB 1 % 2.48 dB .1 % 2.84 dB .01 % 3.04 dB</p> <p>Date: 6.MAR.2024 15:48:37</p>	<p style="text-align: center;">Highest Channel</p>  <p>Center 1.9076 GHz 2 dB/ Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 23.99 dBm Peak 27.01 dBm Crest 3.02 dB</p> <p>10 % 1.76 dB 1 % 2.48 dB .1 % 2.76 dB .01 % 2.92 dB</p> <p>Date: 6.MAR.2024 14:57:07</p>



WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



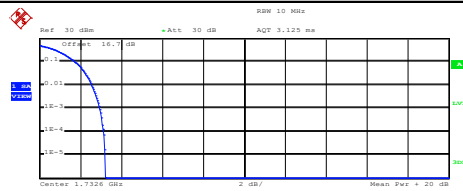
Complementary Cumulative Distribution Function (100000 samples)

Trace 1
Mean 24.88 dBm
Peak 27.57 dBm
Crest 2.69 dB

10 % 1.64 dB
1 % 2.24 dB
.1 % 2.48 dB
.01 % 2.60 dB

Date: 6.MAR.2024 15:18:01

Middle Channel



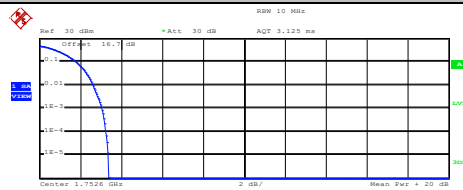
Complementary Cumulative Distribution Function (100000 samples)

Trace 1
Mean 24.01 dBm
Peak 27.22 dBm
Crest 3.21 dB

10 % 1.72 dB
1 % 2.56 dB
.1 % 2.96 dB
.01 % 3.16 dB

Date: 6.MAR.2024 15:18:24

Highest Channel



Complementary Cumulative Distribution Function (100000 samples)

Trace 1
Mean 24.05 dBm
Peak 27.43 dBm
Crest 3.38 dB

10 % 1.80 dB
1 % 2.64 dB
.1 % 3.08 dB
.01 % 3.24 dB

Date: 6.MAR.2024 15:18:44



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	4.75	4.73	4.78
Middle CH	4.70	4.74	4.74
Highest CH	4.71	4.75	4.75

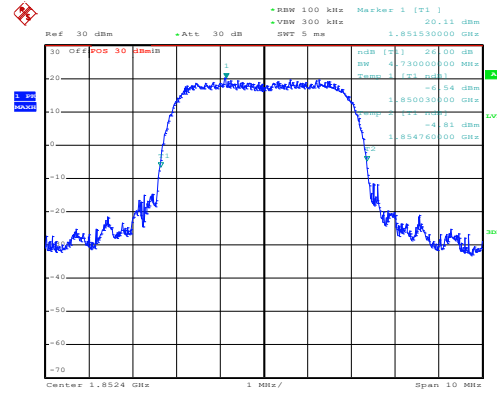
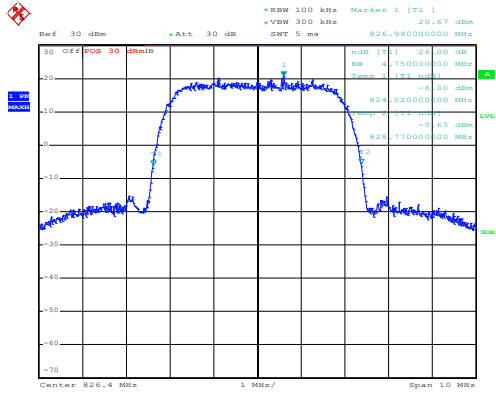


WCDMA Band V (RMC 12.2Kbps)

WCDMA Band II (RMC 12.2Kbps)

Lowest Channel

Lowest Channel

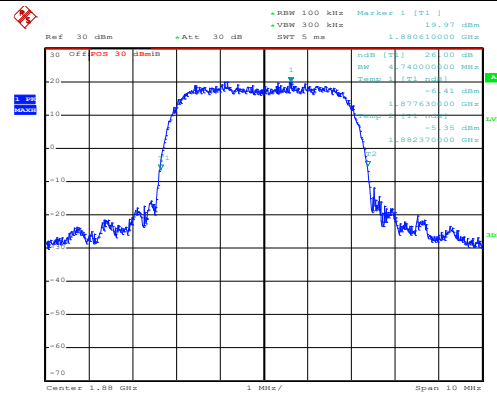
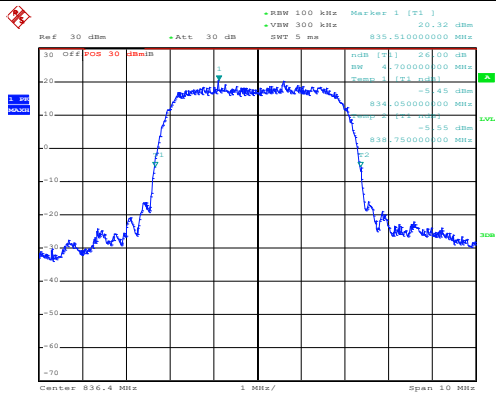


Date: 6.MAR.2024 15:34:20

Date: 6.MAR.2024 14:41:00

Middle Channel

Middle Channel

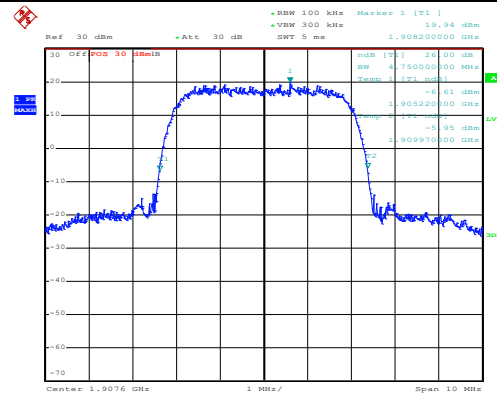
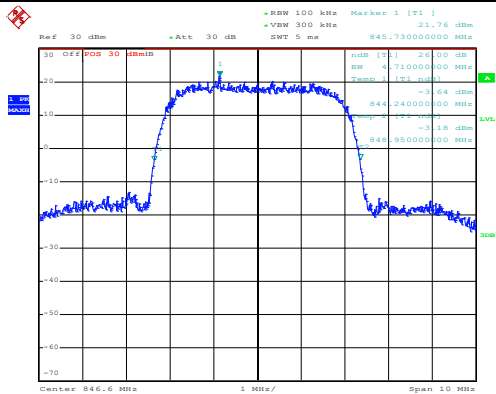


Date: 6.MAR.2024 15:35:03

Date: 6.MAR.2024 14:41:58

Highest Channel

Highest Channel



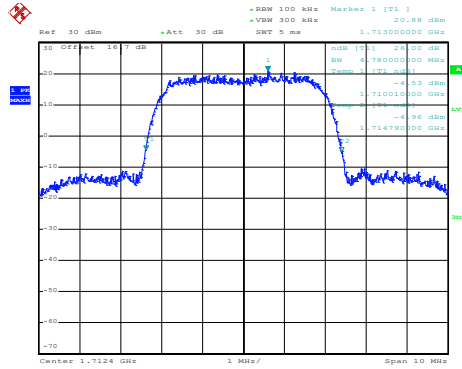
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Date: 6.MAR.2024 14:42:44



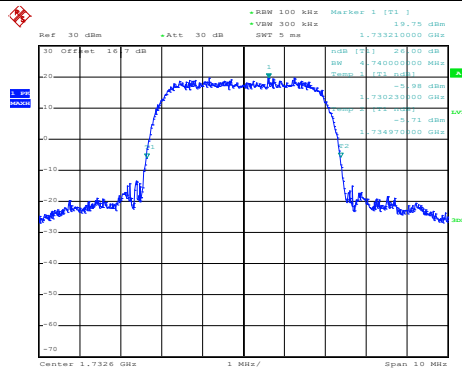
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



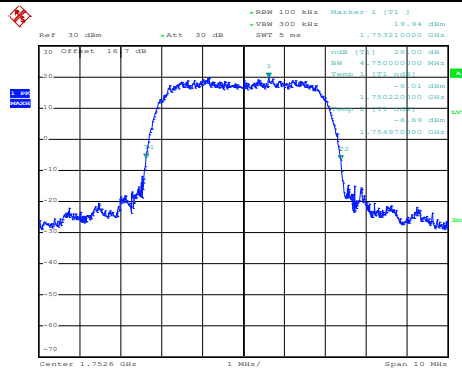
Date: 6.MAR.2024 15:01:01

Middle Channel



Date: 6.MAR.2024 15:01:46

Highest Channel



Date: 6.MAR.2024 15:05:25



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	4.16	4.21
Middle CH	4.15	4.17	4.18
Highest CH	4.16	4.17	4.16

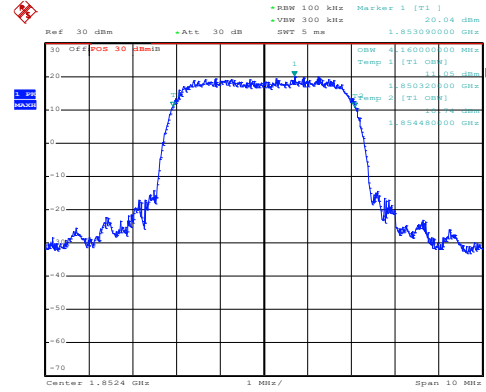
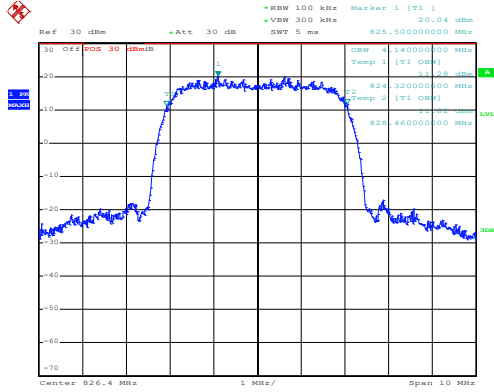


WCDMA Band V (RMC 12.2Kbps)

WCDMA Band II (RMC 12.2Kbps)

Lowest Channel

Lowest Channel

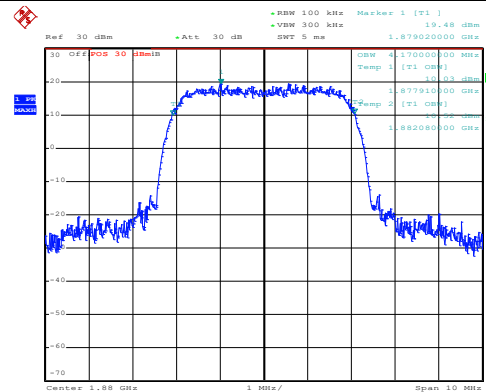
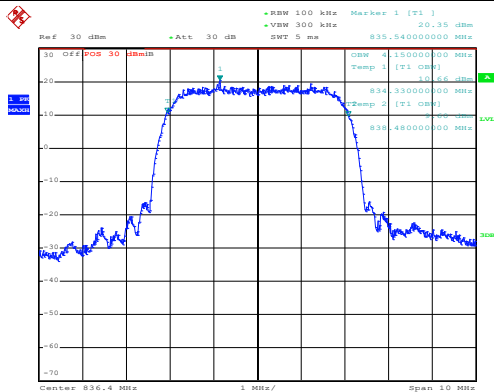


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Date: 6.MAR.2024 14:44:22

Middle Channel

Middle Channel

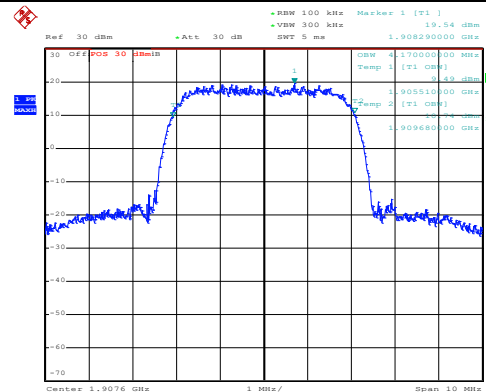
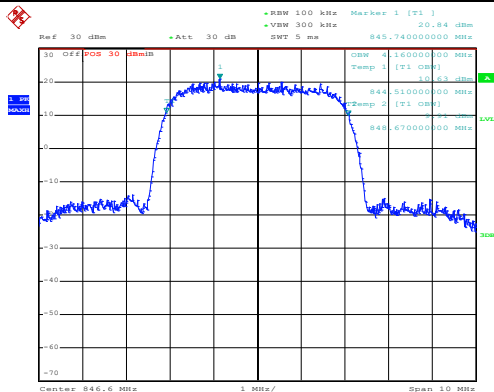


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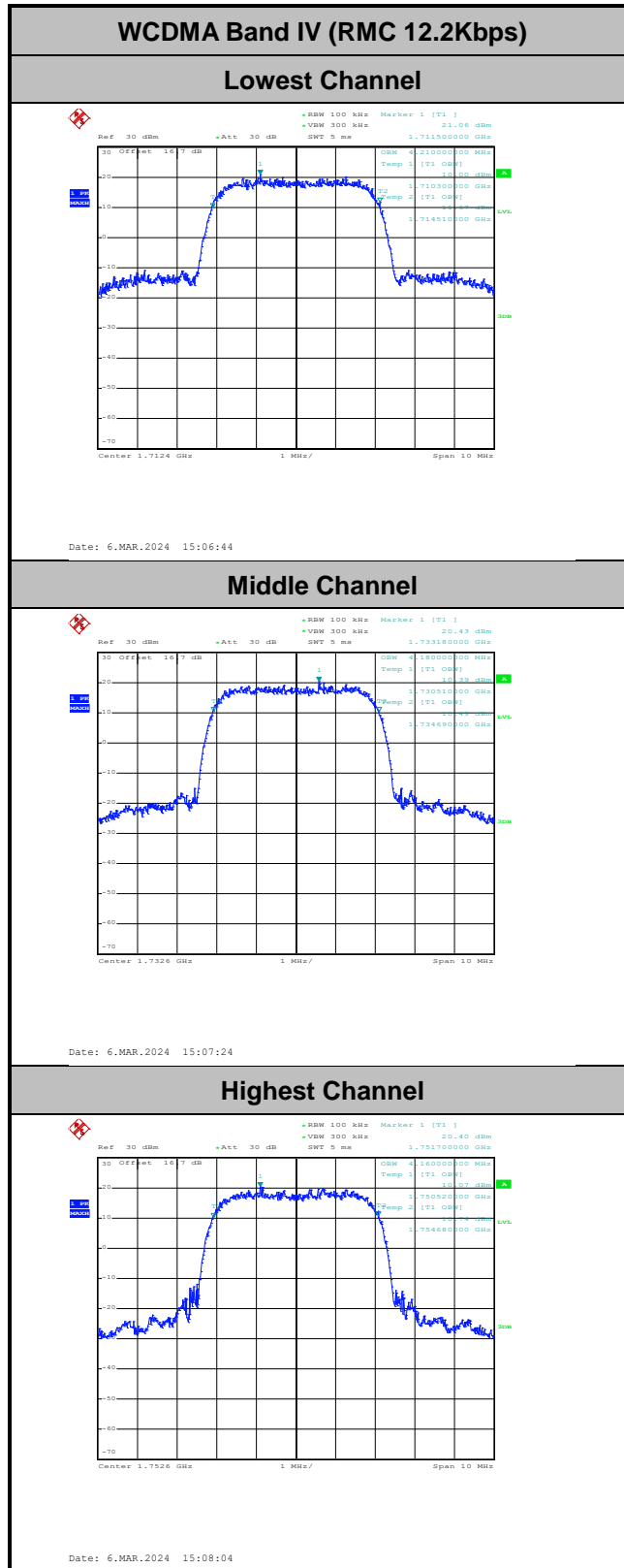
Highest Channel

Highest Channel



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Date: 6.MAR.2024 14:46:07

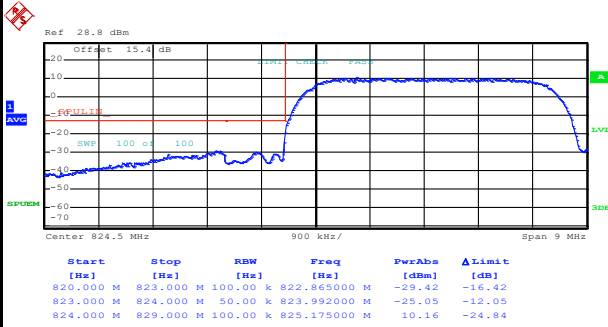




Conducted Band Edge

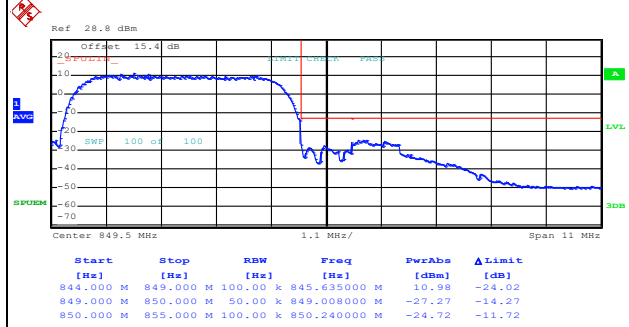
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 6.MAR.2024 15:41:15

Highest Band Edge



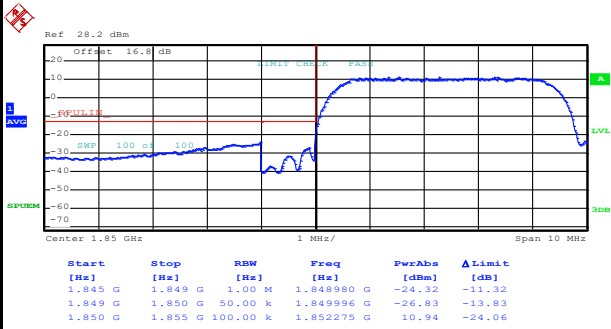
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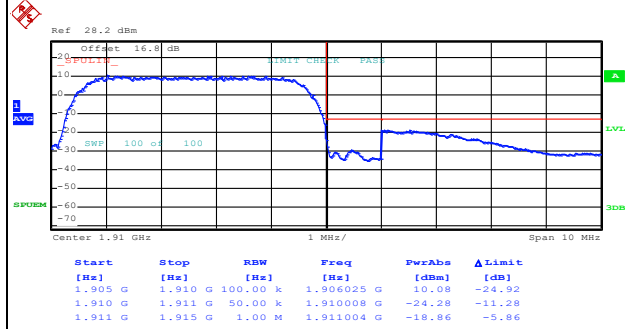
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 6.MAR.2024 14:49:31



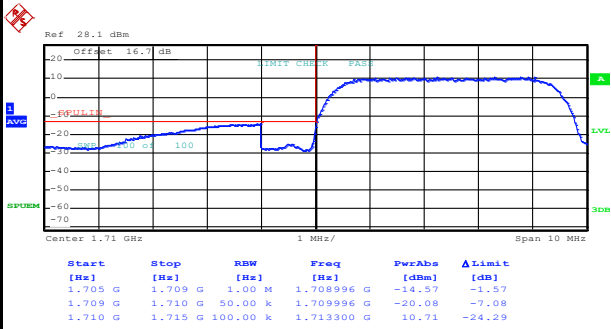
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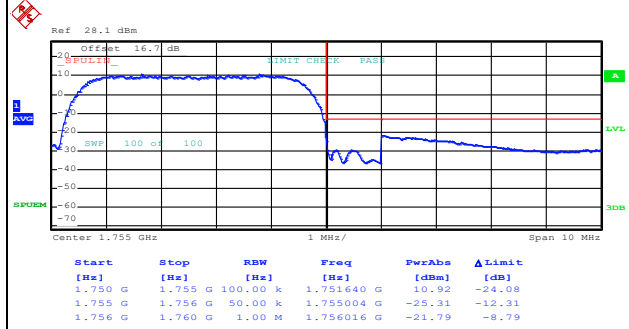
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



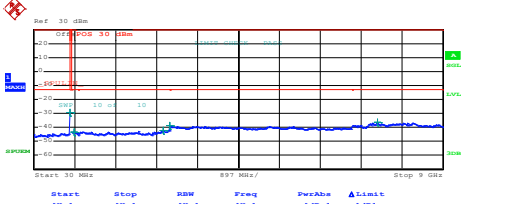
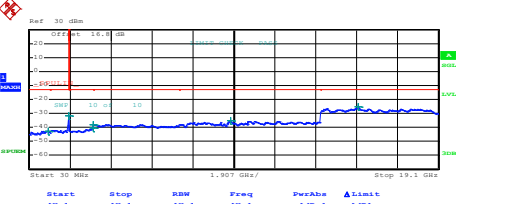
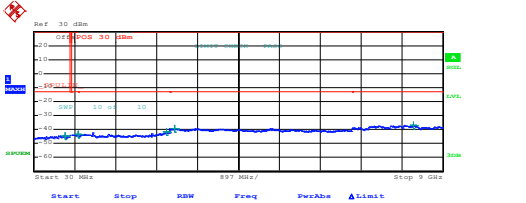
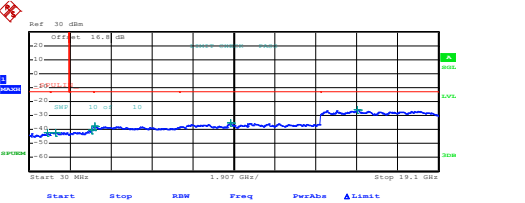
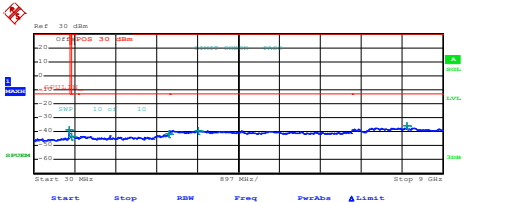
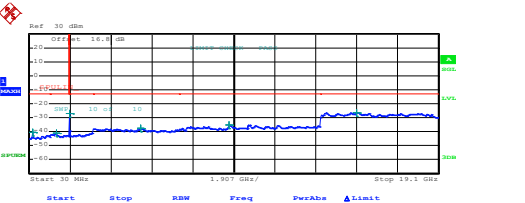
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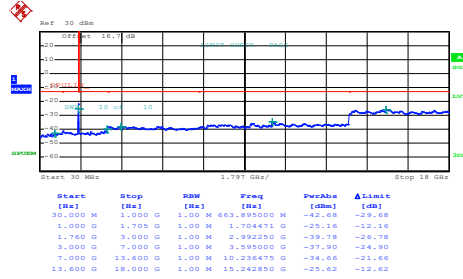
Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)																																																																														
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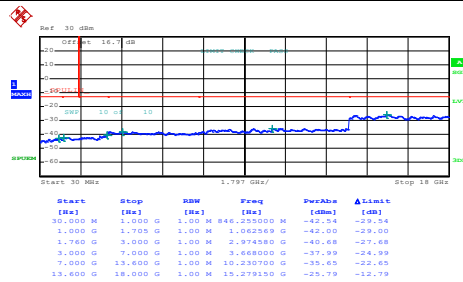
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



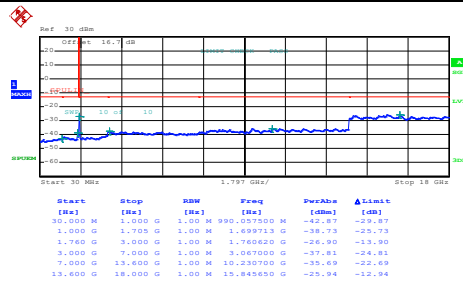
Date: 6.MAR.2024 15:15:35

Middle Channel



Date: 6.MAR.2024 15:16:30

Highest Channel



Date: 6.MAR.2024 15:17:25



Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0048	PASS
40	Normal Voltage	0.0060	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0120	
0	Normal Voltage	0.0155	
-10	Normal Voltage	0.0132	
-20	Normal Voltage	0.0179	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0060	
20	Battery End Point	0.0024	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0069	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0053	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0037	
-10	Normal Voltage	0.0043	
-20	Normal Voltage	0.0059	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0043	
20	Battery End Point	0.0048	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0075	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0081	
0	Normal Voltage	0.0110	
-10	Normal Voltage	0.0144	
-20	Normal Voltage	0.0162	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0046	
20	Battery End Point	0.0040	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

B1. Summary of each worse mode

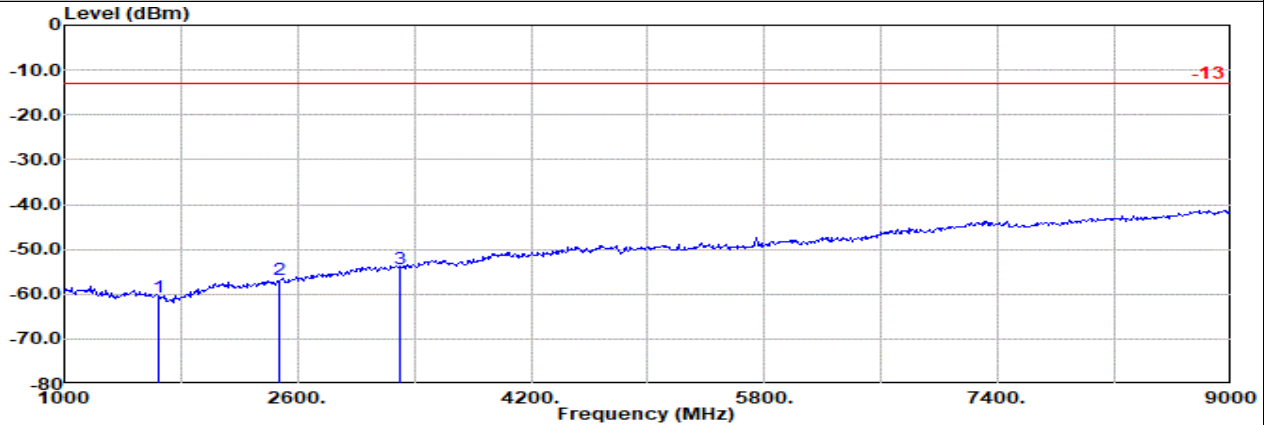
Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	Amp\Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 22H	WCDMA B5	H	3386	-53.65	RMS	29.70	-24.21	0.56	-95.23	35.53	-13.00	-40.65	H	1
8	Part 22H	GPRS 850	L	2472	-27.69	RMS	27.82	-26.24	0.70	-95.23	65.26	-13.00	-14.69	V	1
9	Part 22H	EDGE 850	M	2509	-34.64	RMS	28.09	-26.16	0.69	-95.23	57.97	-13.00	-21.64	H	1
1	Part 24E	WCDMA B2	L	7409	-42.96	RMS	36.70	-20.78	0.64	-95.23	35.71	-13.00	-29.96	V	1
7	Part 24E	GPRS 1900	H	5729	-36.58	RMS	33.33	-22.62	0.59	-95.23	47.35	-13.00	-23.58	V	1
8	Part 24E	EDGE 1900	M	3760	-41.50	RMS	29.96	-23.55	1.08	-95.23	46.24	-13.00	-28.50	H	1
1	Part 27L	WCDMA B4	H	7010	-43.96	RMS	36.14	-21.27	0.70	-95.23	35.70	-13.00	-30.96	V	1



Ant. 1

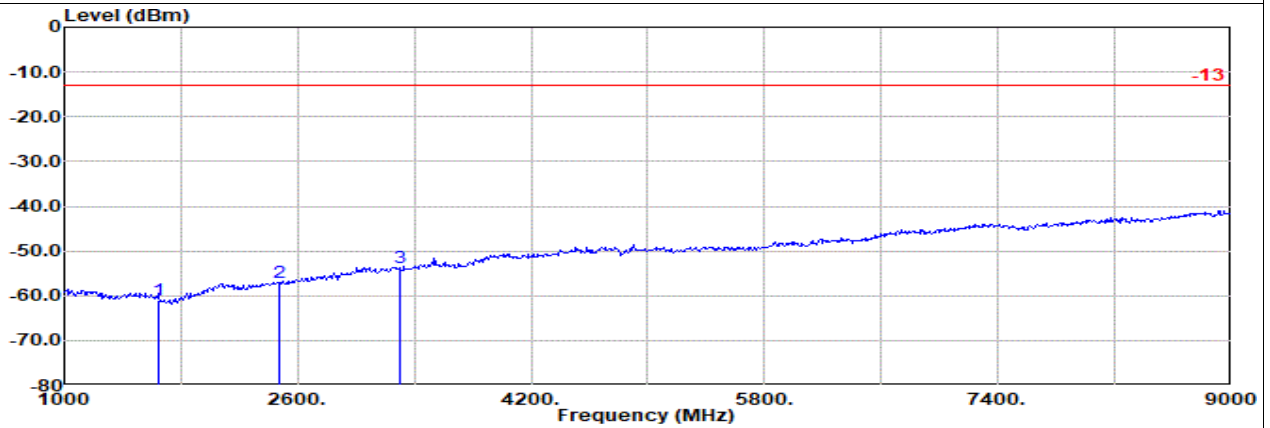
Part 22H Mode 1
WCDMA B5 Ch4132

L



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Horizontal
: WCDMA Band 5 Ch4132

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin		Pol
			Factor	1				g	dB	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1	1652.00	-60.57 RMS	25.40	-27.26	0.88	-95.23	35.64	-13.00	-47.57	Horizontal
2	2479.00	-56.87 RMS	27.89	-26.22	0.70	-95.23	35.99	-13.00	-43.87	Horizontal
3	3305.00	-54.34 RMS	29.79	-24.51	0.56	-95.23	35.05	-13.00	-41.34	Horizontal



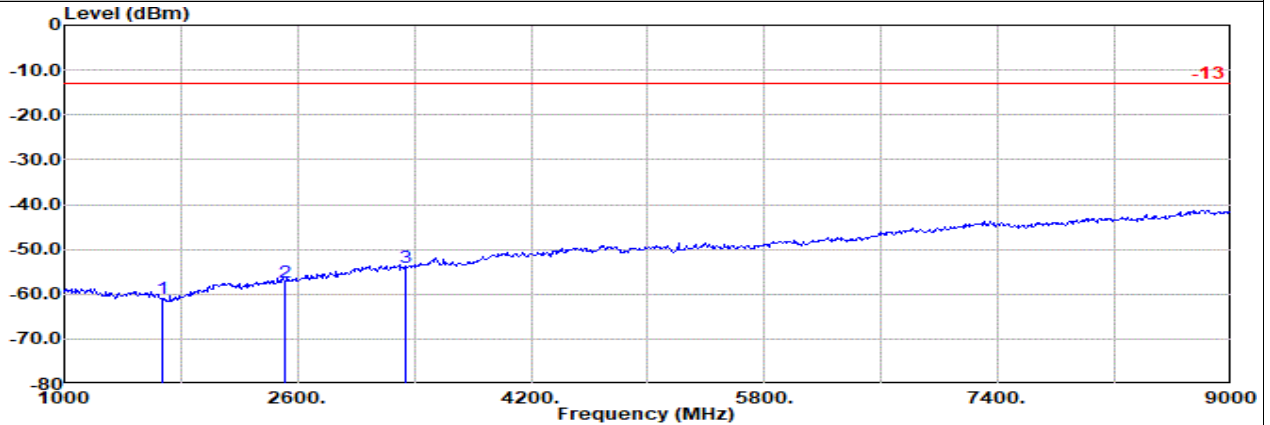
Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Vertical
: WCDMA Band 5 Ch4132

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin		Pol
			Factor	1				g	dB	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1	1652.00	-60.86 RMS	25.40	-27.26	0.88	-95.23	35.35	-13.00	-47.86	Vertical
2	2479.00	-57.03 RMS	27.89	-26.22	0.70	-95.23	35.83	-13.00	-44.03	Vertical
3	3305.00	-53.65 RMS	29.79	-24.51	0.56	-95.23	35.74	-13.00	-40.65	Vertical



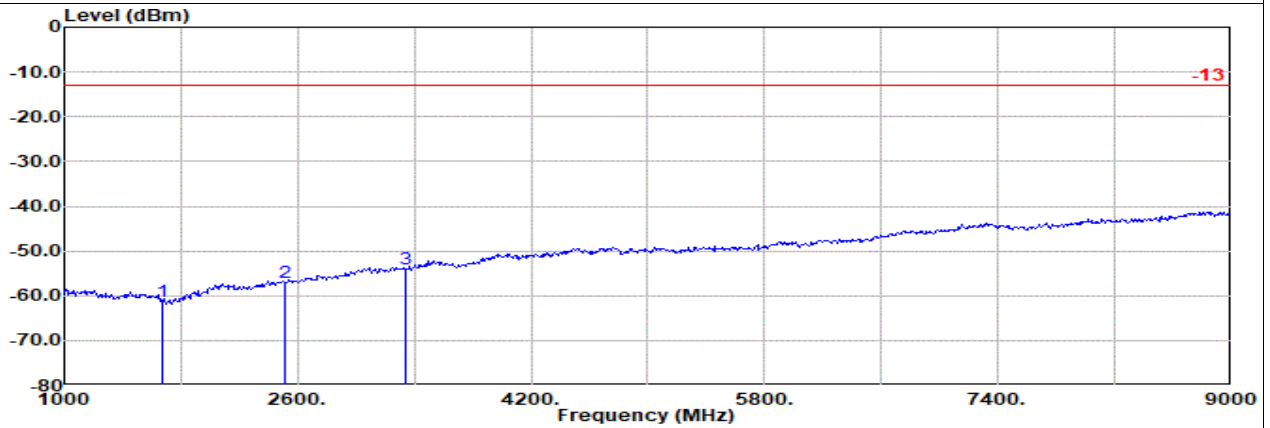
Ant. 1

Part 22H Mode 1
WCDMA B5 Ch4182
M



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Horizontal
: WCDMA Band 5 Ch4182

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin		Pol
			Factor	1				g	dB	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 1672.00	-61.04	RMS	25.40	-27.21	0.86	-95.23	35.14	-13.00	-48.04	Horizontal
2 2509.00	-57.23	RMS	28.09	-26.16	0.69	-95.23	35.38	-13.00	-44.23	Horizontal
3 3345.00	-54.00	RMS	29.71	-24.36	0.56	-95.23	35.32	-13.00	-41.00	Horizontal



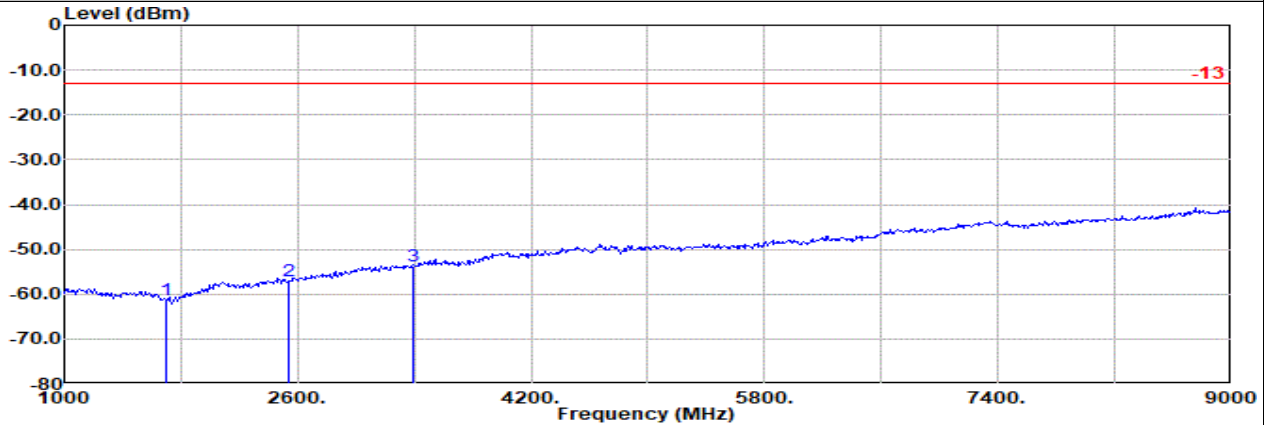
Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Vertical
: WCDMA Band 5 Ch4182

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin		Pol
			Factor	1				g	dB	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 1672.00	-61.27	RMS	25.40	-27.21	0.86	-95.23	34.91	-13.00	-48.27	Vertical
2 2509.00	-57.10	RMS	28.09	-26.16	0.69	-95.23	35.51	-13.00	-44.10	Vertical
3 3345.00	-54.03	RMS	29.71	-24.36	0.56	-95.23	35.29	-13.00	-41.03	Vertical



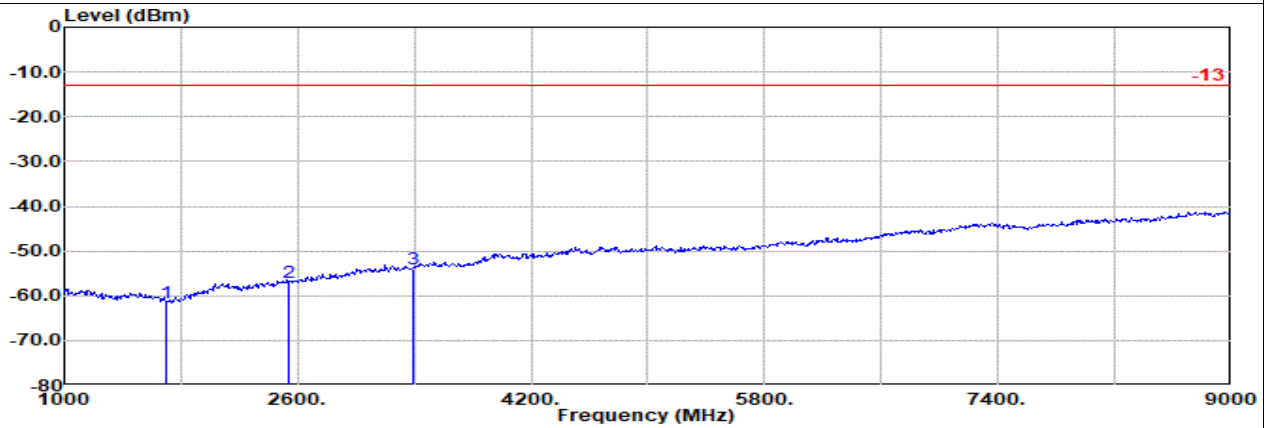
Ant. 1

Part 22H Mode 1
WCDMA B5 Ch4233
H



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Horizontal
: WCDMA Band 5 Ch4233

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin		Pol	
			Factor	1				dB	dB		dBm
1	1693.00	-61.26	RMS	25.27	-27.17	0.83	-95.23	35.04	-13.00	-48.26	Horizontal
2	2539.00	-57.13	RMS	28.20	-26.15	0.67	-95.23	35.38	-13.00	-44.13	Horizontal
3	3386.00	-53.65	RMS	29.70	-24.21	0.56	-95.23	35.53	-13.00	-40.65	Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Vertical
: WCDMA Band 5 Ch4233

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin		Pol	
			Factor	1				dB	dB		dBm
1	1693.00	-61.46	RMS	25.27	-27.17	0.83	-95.23	34.84	-13.00	-48.46	Vertical
2	2539.00	-56.91	RMS	28.20	-26.15	0.67	-95.23	35.60	-13.00	-43.91	Vertical
3	3386.00	-53.97	RMS	29.70	-24.21	0.56	-95.23	35.21	-13.00	-40.97	Vertical

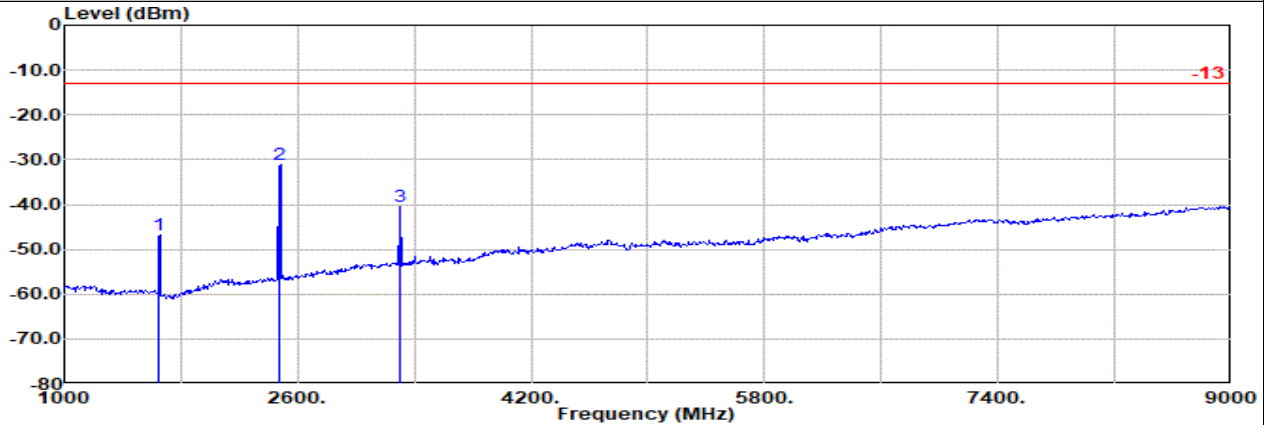


Ant. 1

Part 22H Mode 8

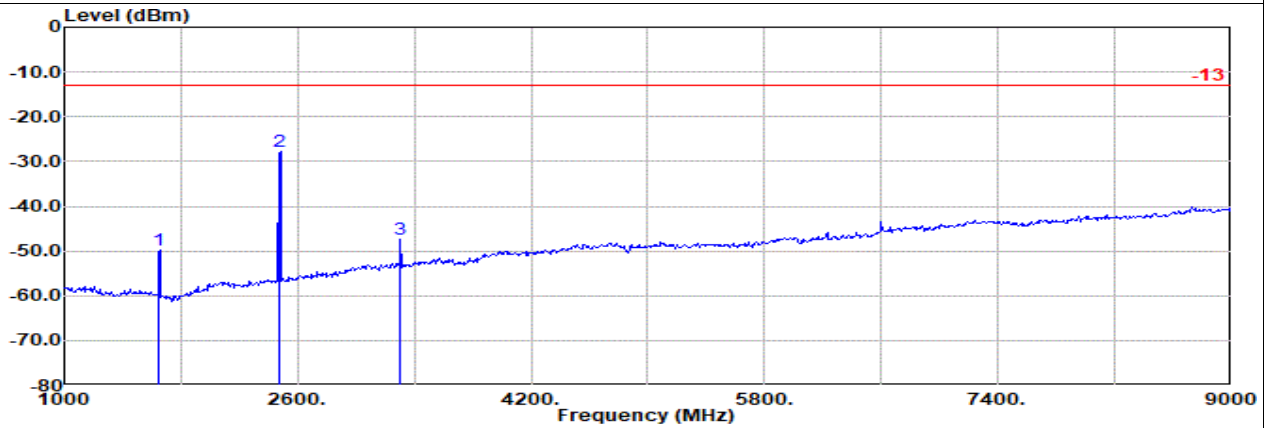
GPRS 850 Ch128

L



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : GPRS 850 Ch128

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin		Pol	
			Factor	1				dB	dB		dBm
1	1648.00	-46.82	RMS	25.42	-27.27	0.89	-95.23	49.37	-13.00	-33.82	Horizontal
2	2472.00	-30.97	RMS	27.82	-26.24	0.70	-95.23	61.98	-13.00	-17.97	Horizontal
3	3296.00	-40.40	RMS	29.81	-24.54	0.57	-95.23	48.99	-13.00	-27.40	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : GPRS 850 Ch128

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin		Pol	
			Factor	1				dB	dB		dBm
1	1648.00	-49.81	RMS	25.42	-27.27	0.89	-95.23	46.38	-13.00	-36.81	Vertical
2	2472.00	-27.69	RMS	27.82	-26.24	0.70	-95.23	65.26	-13.00	-14.69	Vertical
3	3296.00	-47.53	RMS	29.81	-24.54	0.57	-95.23	41.86	-13.00	-34.53	Vertical

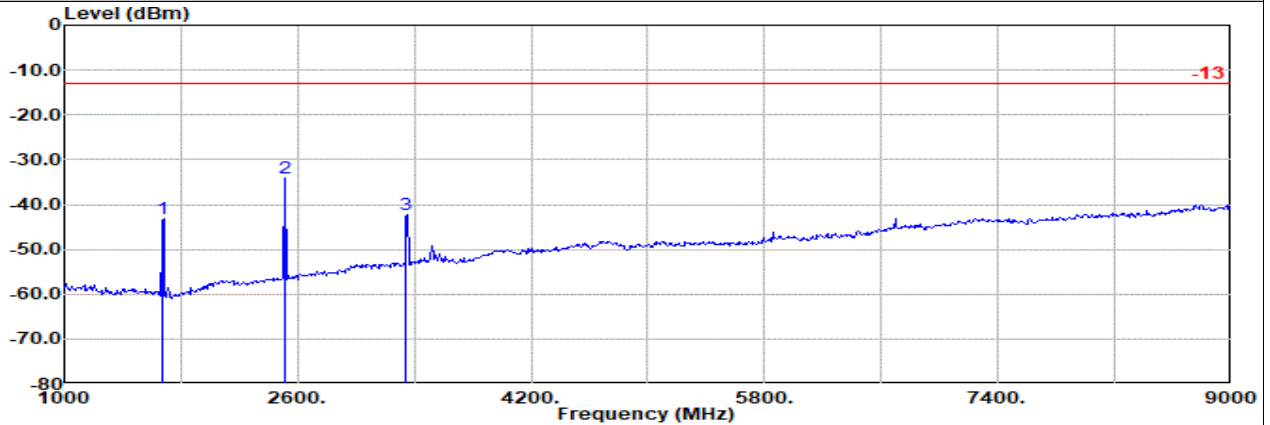


Ant. 1

Part 22H Mode 8

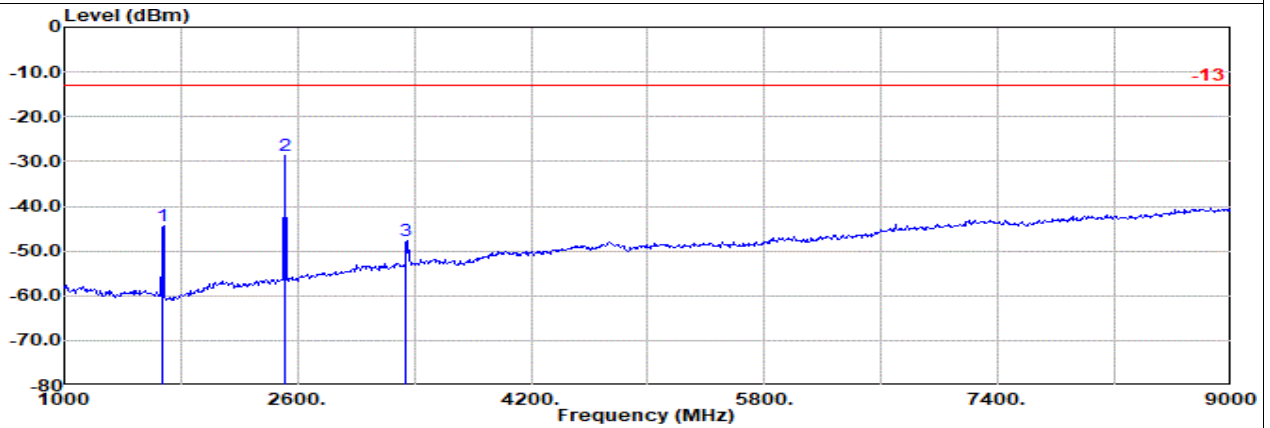
GPRS 850 Ch189

M



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : GPRS 850 Ch189

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin Pol		
				Factor	1				dB	dB	dB
1	1673.00	-43.27	RMS	25.40	-27.21	0.86	-95.23	52.91	-13.00	-30.27	Horizontal
2	2509.00	-34.19	RMS	28.09	-26.16	0.69	-95.23	58.42	-13.00	-21.19	Horizontal
3	3345.00	-42.35	RMS	29.71	-24.36	0.56	-95.23	46.97	-13.00	-29.35	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : GPRS 850 Ch189

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin Pol		
				Factor	1				dB	dB	dB
1	1673.00	-44.47	RMS	25.40	-27.21	0.86	-95.23	51.71	-13.00	-31.47	Vertical
2	2509.00	-28.69	RMS	28.09	-26.16	0.69	-95.23	63.92	-13.00	-15.69	Vertical
3	3345.00	-47.64	RMS	29.71	-24.36	0.56	-95.23	41.68	-13.00	-34.64	Vertical

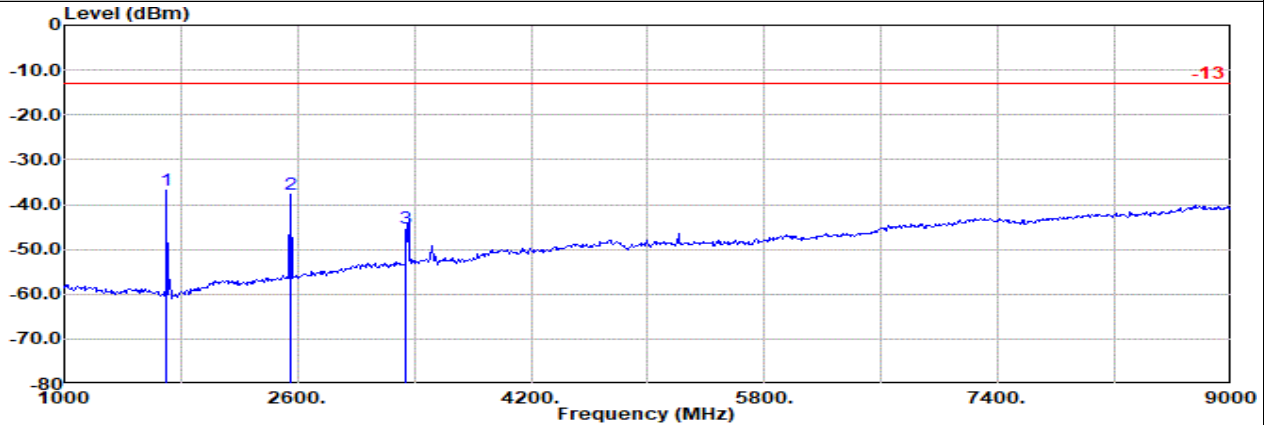


Ant. 1

Part 22H Mode 8

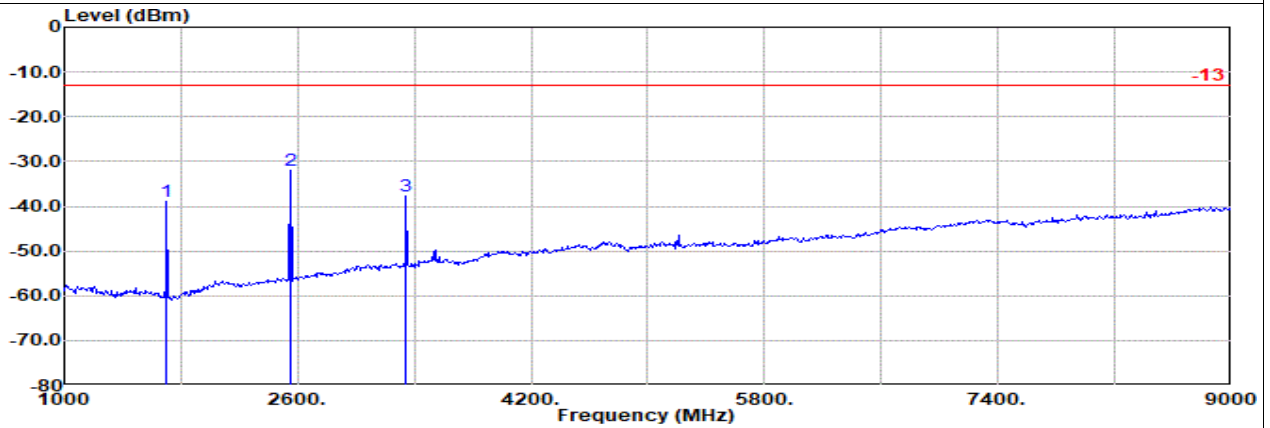
GPRS 850 Ch251

H



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : GPRS 850 Ch251

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin		Pol
			Factor	1				g	dB	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 1697.00	-36.96	RMS	25.23	-27.16	0.83	-95.23	59.37	-13.00	-23.96	Horizontal
2 2546.00	-37.59	RMS	28.20	-26.14	0.67	-95.23	54.91	-13.00	-24.59	Horizontal
3 3345.00	-45.27	RMS	29.71	-24.36	0.56	-95.23	44.05	-13.00	-32.27	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : GPRS 850 Ch251

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin		Pol
			Factor	1				g	dB	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 1697.00	-38.89	RMS	25.23	-27.16	0.83	-95.23	57.44	-13.00	-25.89	Vertical
2 2546.00	-31.87	RMS	28.20	-26.14	0.67	-95.23	60.63	-13.00	-18.87	Vertical
3 3345.00	-37.60	RMS	29.71	-24.36	0.56	-95.23	51.72	-13.00	-24.60	Vertical

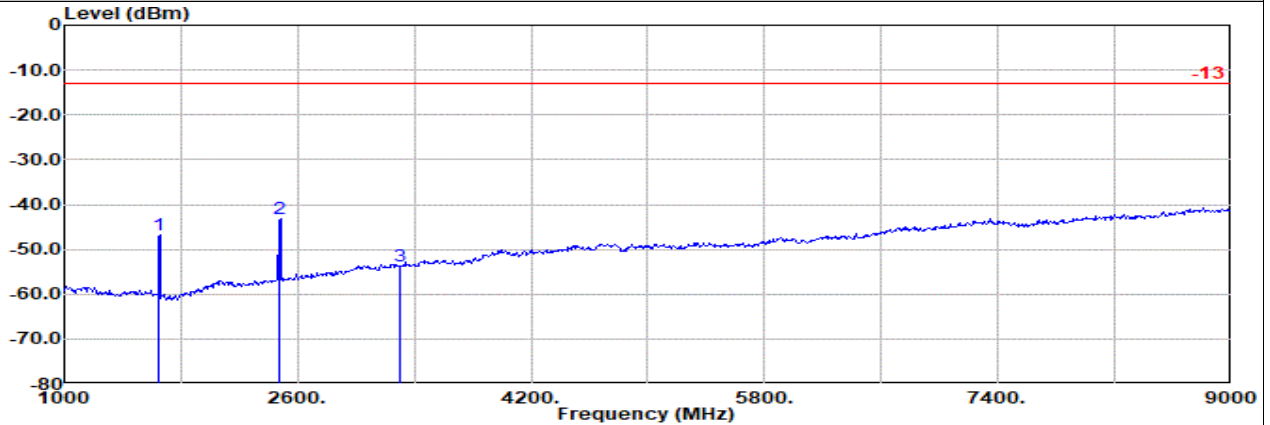


Ant. 1

Part 22H Mode 9

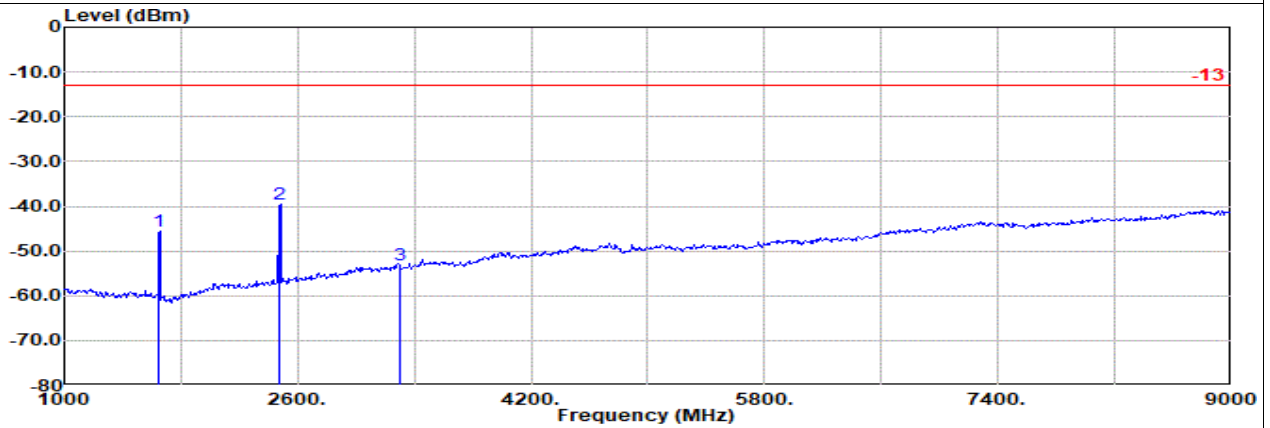
EDGE 850 Ch128

L



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : EDGE 850 Ch128

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin		Pol
			Factor	1				g	dB	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 1648.00	-46.74	RMS	25.42	-27.27	0.89	-95.23	49.45	-13.00	-33.74	Horizontal
2 2472.00	-43.32	RMS	27.82	-26.24	0.70	-95.23	49.63	-13.00	-30.32	Horizontal
3 3296.00	-53.61	RMS	29.81	-24.54	0.57	-95.23	35.78	-13.00	-40.61	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : EDGE 850 Ch128

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin		Pol
			Factor	1				g	dB	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 1648.00	-45.73	RMS	25.42	-27.27	0.89	-95.23	50.46	-13.00	-32.73	Vertical
2 2472.00	-39.61	RMS	27.82	-26.24	0.70	-95.23	53.34	-13.00	-26.61	Vertical
3 3296.00	-53.08	RMS	29.81	-24.54	0.57	-95.23	36.31	-13.00	-40.08	Vertical

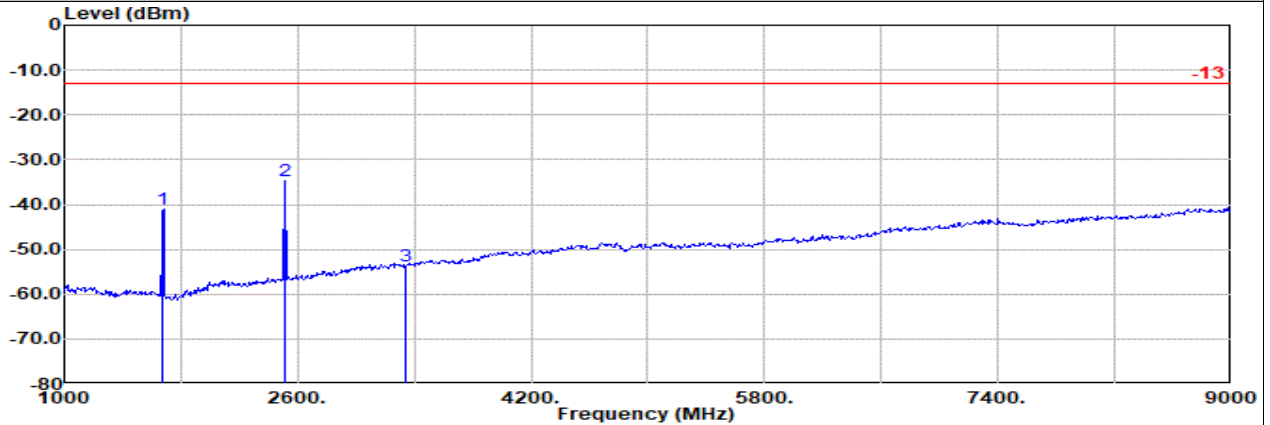


Ant. 1

Part 22H Mode 9

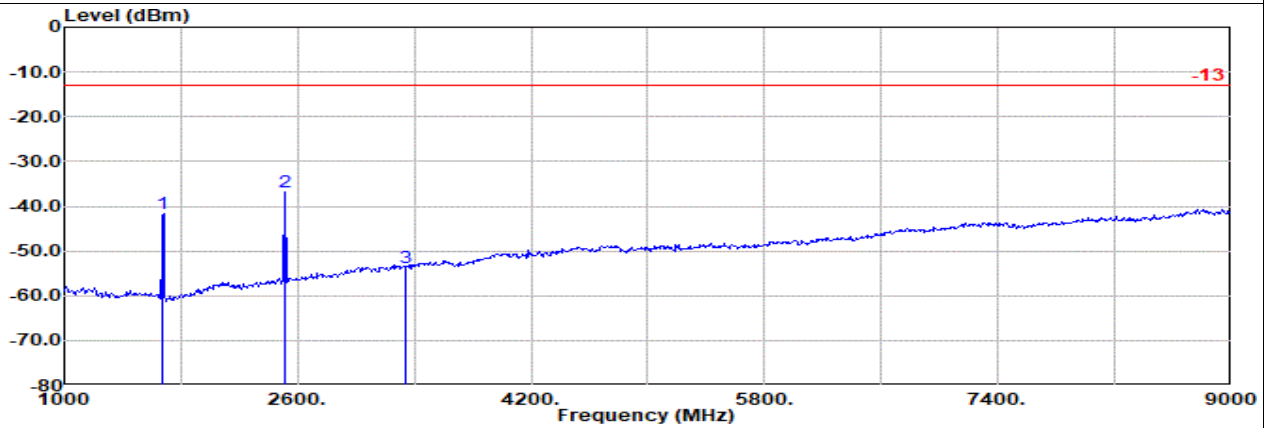
EDGE 850 Ch189

M



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : EDGE 850 Ch189

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin		Pol
			Factor	1				g	dB	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 1672.00	-41.02	RMS	25.40	-27.21	0.86	-95.23	55.16	-13.00	-28.02	Horizontal
2 2509.00	-34.64	RMS	28.09	-26.16	0.69	-95.23	57.97	-13.00	-21.64	Horizontal
3 3345.00	-53.69	RMS	29.71	-24.36	0.56	-95.23	35.63	-13.00	-40.69	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : EDGE 850 Ch189

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin		Pol
			Factor	1				g	dB	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 1672.00	-41.70	RMS	25.40	-27.21	0.86	-95.23	54.48	-13.00	-28.70	Vertical
2 2509.00	-36.82	RMS	28.09	-26.16	0.69	-95.23	55.79	-13.00	-23.82	Vertical
3 3345.00	-53.69	RMS	29.71	-24.36	0.56	-95.23	35.63	-13.00	-40.69	Vertical

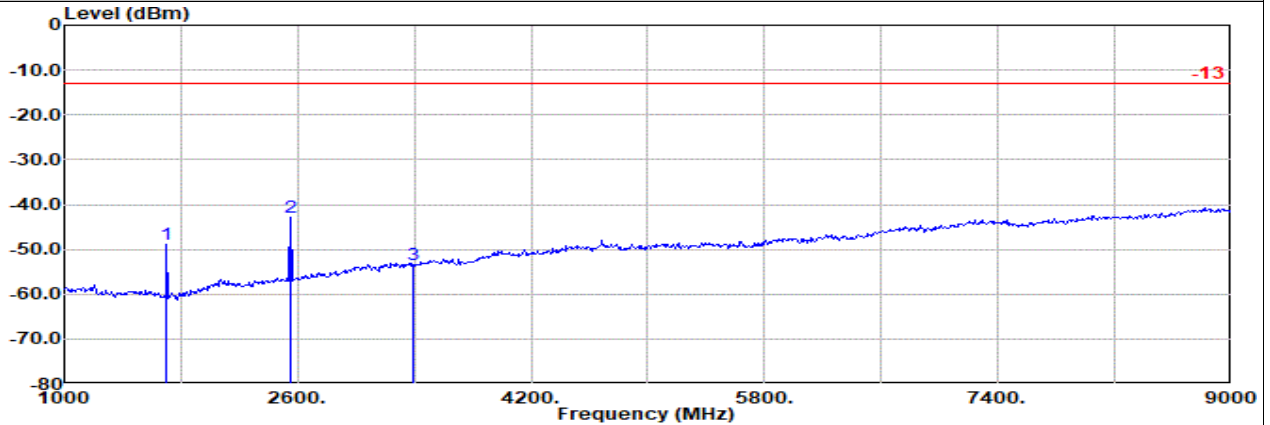


Ant. 1

Part 22H Mode 9

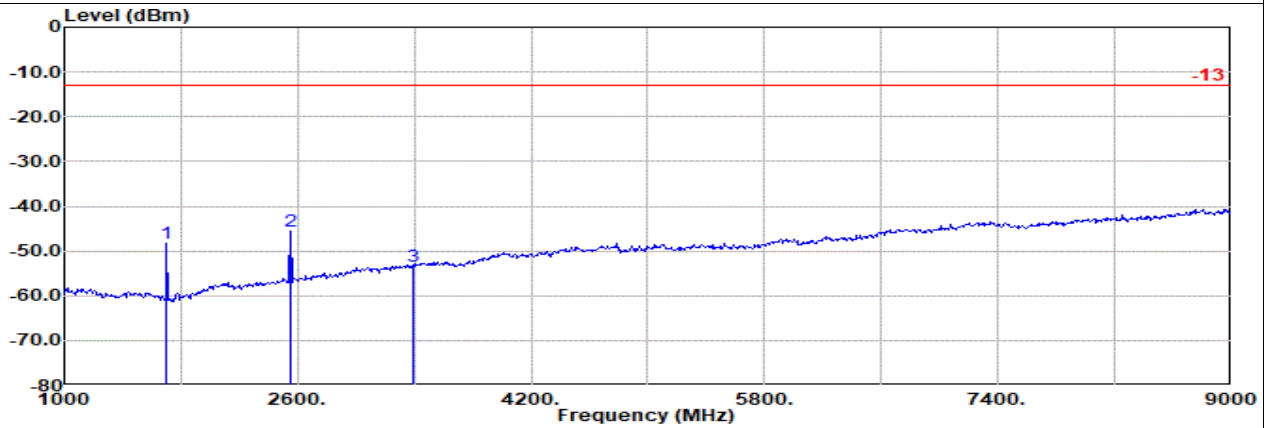
EDGE 850 Ch251

H



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : EDGE 850 Ch251

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin		Pol	
			Factor	1				dB	dB		dBm
1	1697.00	-48.85	RMS	25.23	-27.16	0.83	-95.23	47.48	-13.00	-35.85	Horizontal
2	2546.00	-42.85	RMS	28.20	-26.14	0.67	-95.23	49.65	-13.00	-29.85	Horizontal
3	3395.00	-53.40	RMS	29.70	-24.18	0.56	-95.23	35.75	-13.00	-40.40	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : EDGE 850 Ch251

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin		Pol	
			Factor	1				dB	dB		dBm
1	1697.00	-48.35	RMS	25.23	-27.16	0.83	-95.23	47.98	-13.00	-35.35	Vertical
2	2546.00	-45.72	RMS	28.20	-26.14	0.67	-95.23	46.78	-13.00	-32.72	Vertical
3	3395.00	-53.38	RMS	29.70	-24.18	0.56	-95.23	35.77	-13.00	-40.38	Vertical

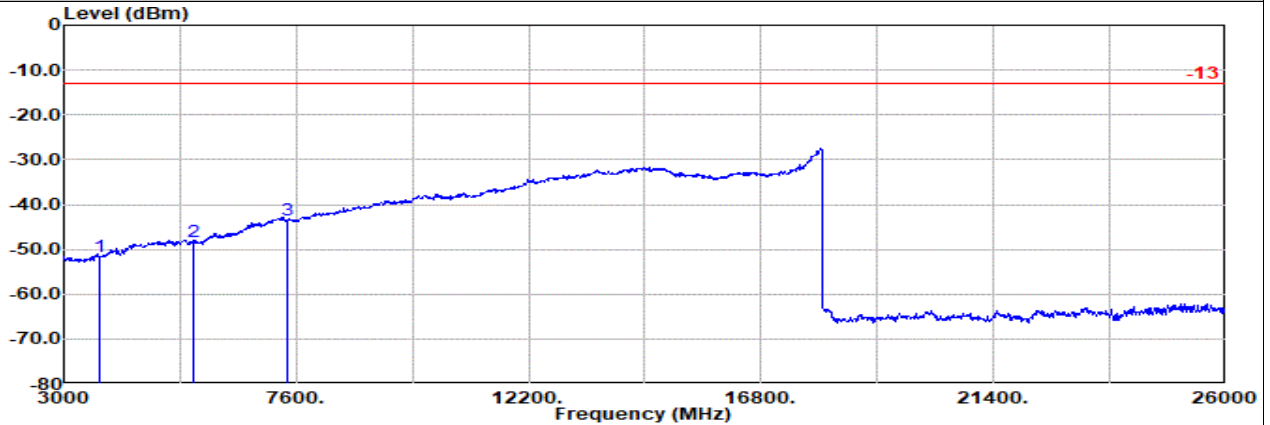


Ant. 1

Part 24E Mode 1

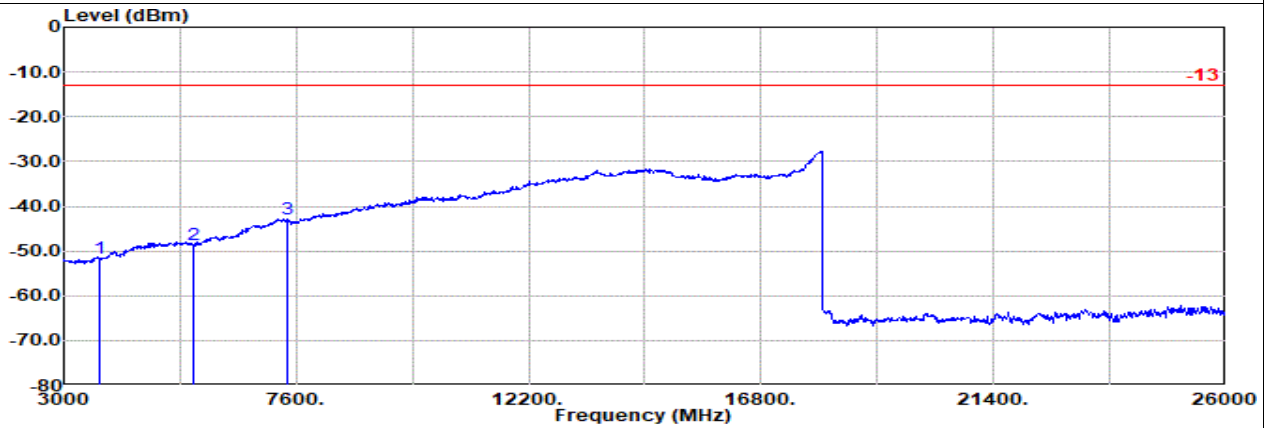
WCDMA B2 Ch9262

L



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : WCDMA Band2 Ch9262

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
			Factor	1				g	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB	
1 3704.00	-51.47	RMS	29.72	-23.44	1.14	-95.23	36.34	-13.00	-38.47 Horizontal
2 5557.00	-48.41	RMS	33.11	-22.39	0.66	-95.23	35.44	-13.00	-35.41 Horizontal
3 7409.00	-43.42	RMS	36.70	-20.78	0.64	-95.23	35.25	-13.00	-30.42 Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : WCDMA Band2 Ch9262

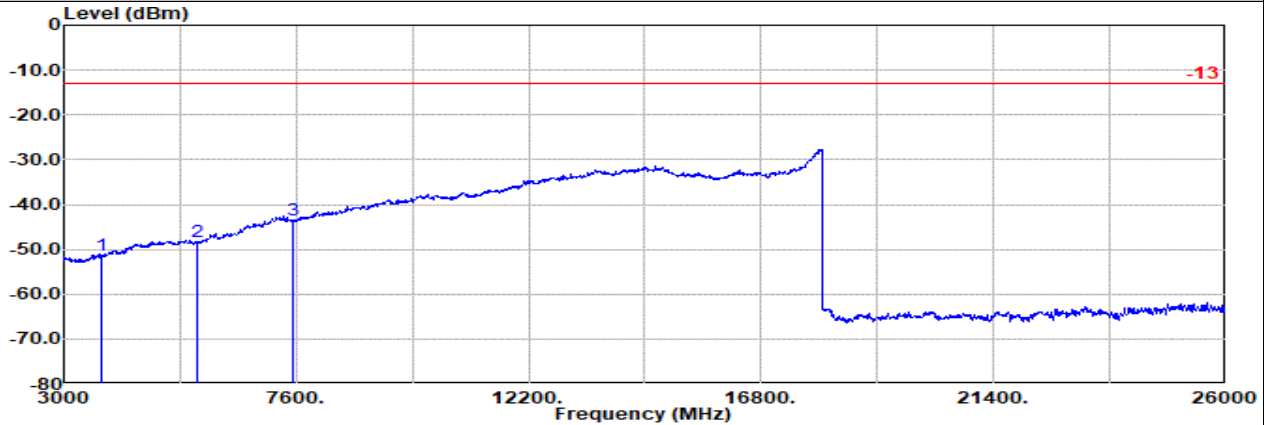
Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
			Factor	1				g	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB	
1 3704.00	-51.67	RMS	29.72	-23.44	1.14	-95.23	36.14	-13.00	-38.67 Vertical
2 5557.00	-48.48	RMS	33.11	-22.39	0.66	-95.23	35.37	-13.00	-35.48 Vertical
3 7409.00	-42.96	RMS	36.70	-20.78	0.64	-95.23	35.71	-13.00	-29.96 Vertical



Ant. 1

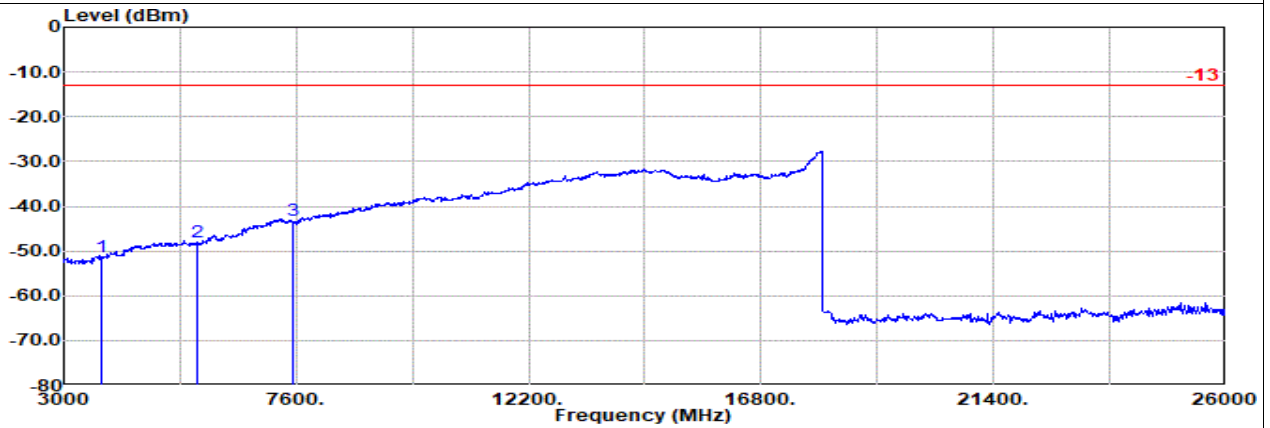
Part 24E Mode 1
WCDMA B2 Ch9400

M



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Horizontal
: WCDMA Band2 Ch9400

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin		Pol
			Factor	1				g	dB	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 3760.00	-51.38	RMS	29.96	-23.55	1.08	-95.23	36.36	-13.00	-38.38	Horizontal
2 5640.00	-48.27	RMS	33.20	-22.53	0.62	-95.23	35.67	-13.00	-35.27	Horizontal
3 7520.00	-43.41	RMS	36.46	-20.87	0.72	-95.23	35.51	-13.00	-30.41	Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Vertical
: WCDMA Band2 Ch9400

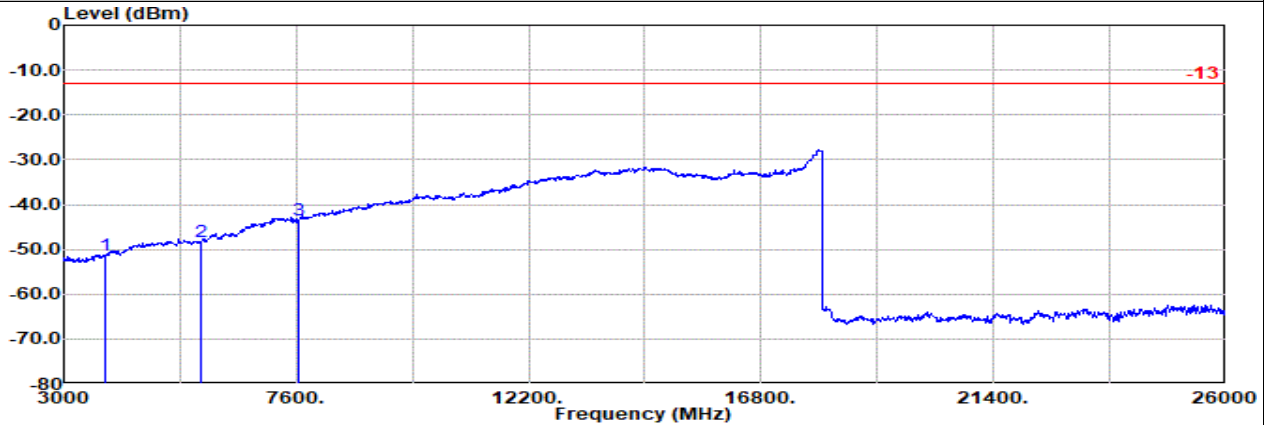
Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin		Pol
			Factor	1				g	dB	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 3760.00	-51.24	RMS	29.96	-23.55	1.08	-95.23	36.50	-13.00	-38.24	Vertical
2 5640.00	-48.13	RMS	33.20	-22.53	0.62	-95.23	35.81	-13.00	-35.13	Vertical
3 7520.00	-43.22	RMS	36.46	-20.87	0.72	-95.23	35.70	-13.00	-30.22	Vertical



Ant. 1

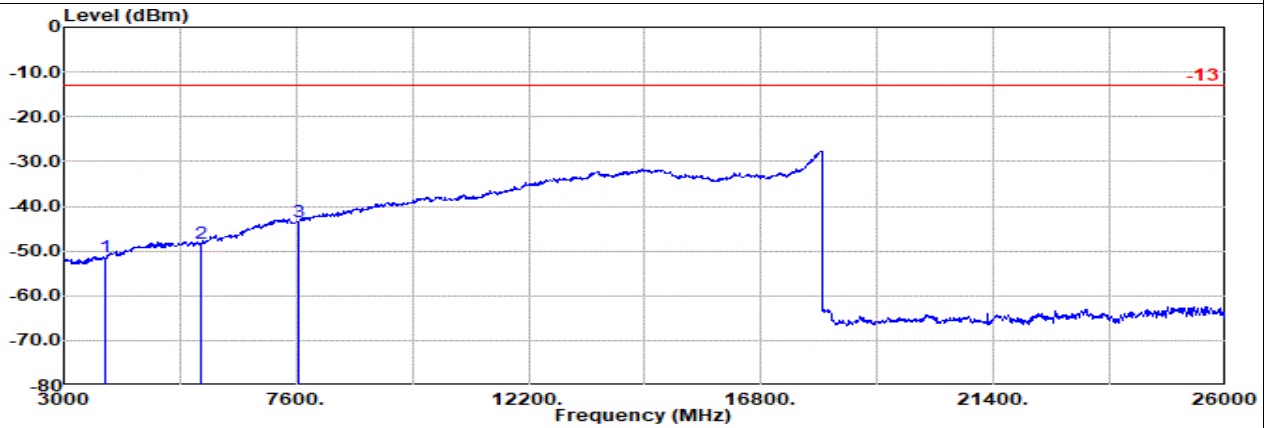
Part 24E Mode 1
WCDMA B2 Ch9538

H



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Horizontal
: WCDMA Band2 Ch9538

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol		
			Factor	1				g		
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 3815.00	-51.40	RMS	30.29	-23.55	1.02	-95.23	36.07	-13.00	-38.40	Horizontal
2 5722.00	-48.17	RMS	33.28	-22.62	0.59	-95.23	35.81	-13.00	-35.17	Horizontal
3 7630.00	-43.48	RMS	36.46	-20.92	0.79	-95.23	35.42	-13.00	-30.48	Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Vertical
: WCDMA Band2 Ch9538

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol		
			Factor	1				g		
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 3815.00	-51.43	RMS	30.29	-23.55	1.02	-95.23	36.04	-13.00	-38.43	Vertical
2 5722.00	-48.24	RMS	33.28	-22.62	0.59	-95.23	35.74	-13.00	-35.24	Vertical
3 7630.00	-43.51	RMS	36.46	-20.92	0.79	-95.23	35.39	-13.00	-30.51	Vertical

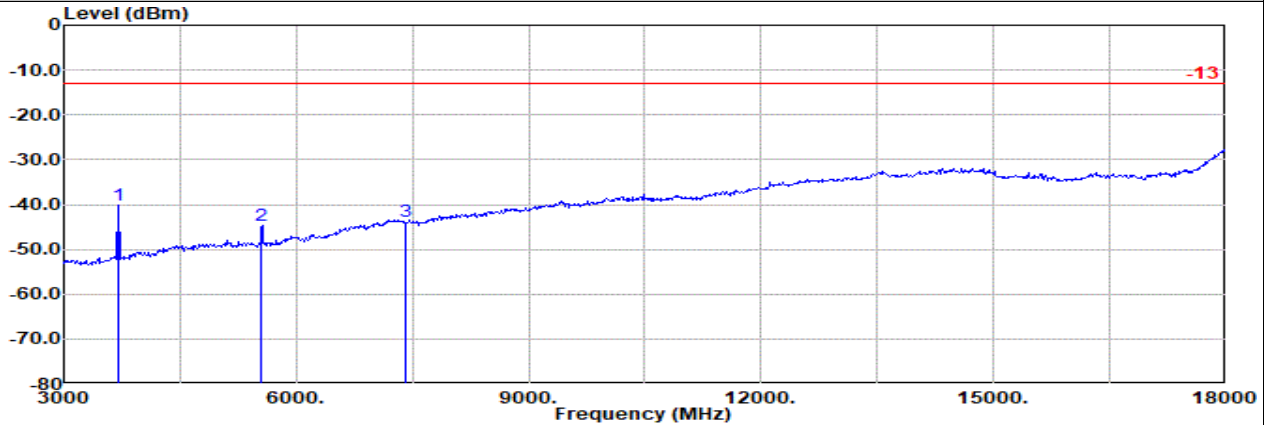


Ant. 1

Part 24E Mode 7

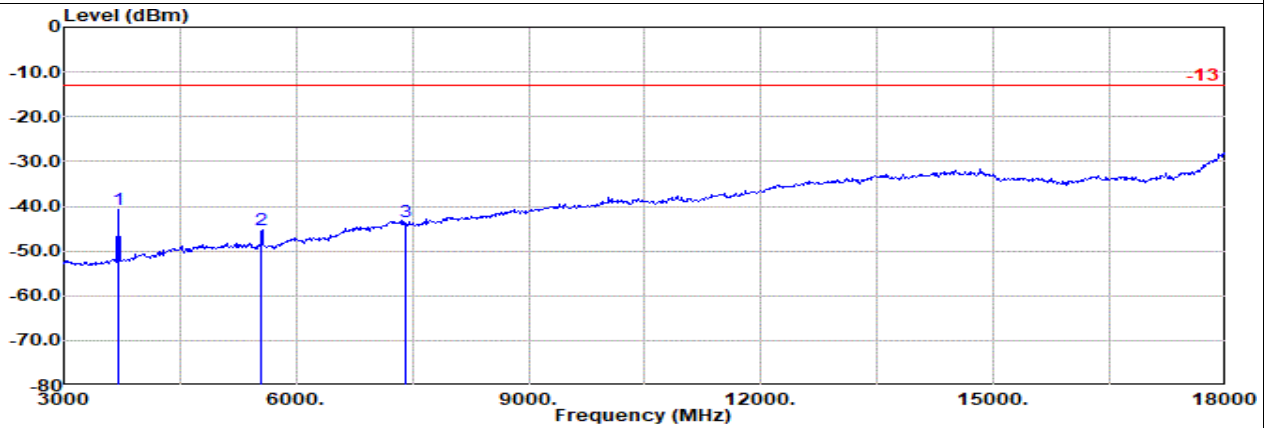
GPRS 1900 Ch512

L



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : GPRS 1900 Ch512

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin		Pol
			Factor	1				g	dB	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 3700.00	-40.18	RMS	29.70	-23.43	1.14	-95.23	47.64	-13.00	-27.18	Horizontal
2 5550.00	-44.73	RMS	33.10	-22.37	0.67	-95.23	39.10	-13.00	-31.73	Horizontal
3 7400.00	-43.89	RMS	36.70	-20.78	0.63	-95.23	34.79	-13.00	-30.89	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : GPRS 1900 Ch512

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin		Pol
			Factor	1				g	dB	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 3700.00	-40.90	RMS	29.70	-23.43	1.14	-95.23	46.92	-13.00	-27.90	Vertical
2 5550.00	-45.32	RMS	33.10	-22.37	0.67	-95.23	38.51	-13.00	-32.32	Vertical
3 7400.00	-43.58	RMS	36.70	-20.78	0.63	-95.23	35.10	-13.00	-30.58	Vertical

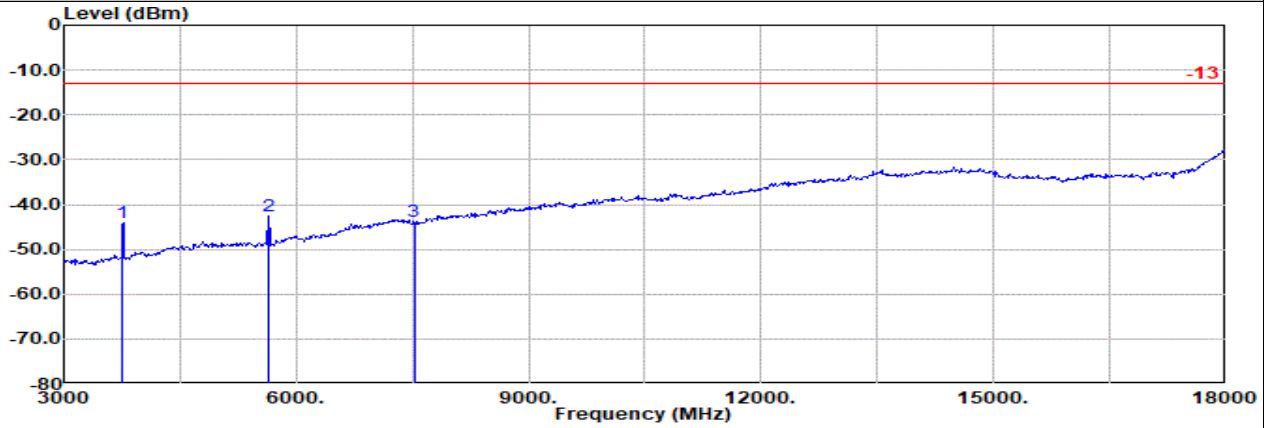


Ant. 1

Part 24E Mode 7

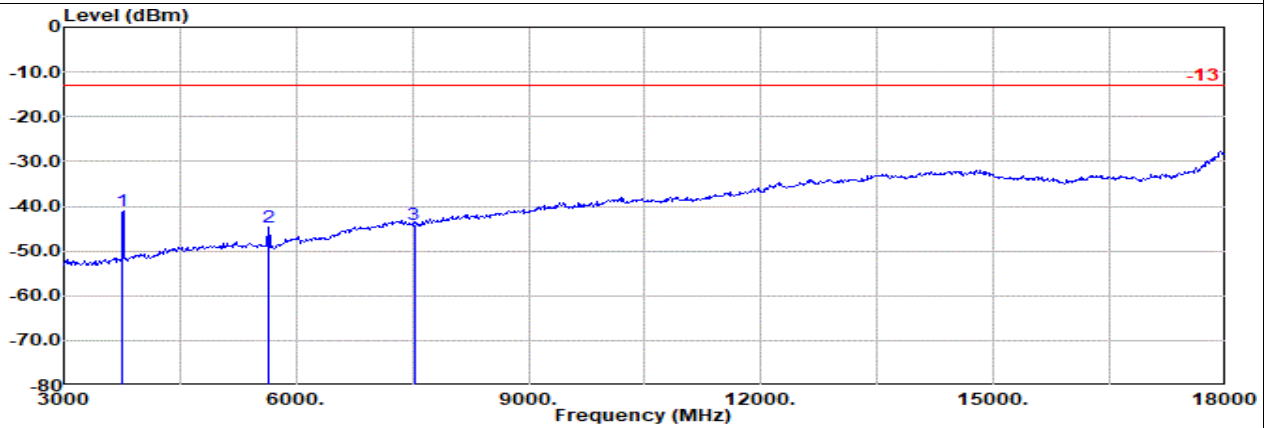
GPRS 1900 Ch661

M



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : GPRS 1900 Ch661

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
			Factor	1				g	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB	
1 3760.00	-44.08	RMS	29.96	-23.55	1.08	-95.23	43.66	-13.00	-31.08 Horizontal
2 5640.00	-42.71	RMS	33.20	-22.53	0.62	-95.23	41.23	-13.00	-29.71 Horizontal
3 7520.00	-43.77	RMS	36.46	-20.87	0.72	-95.23	35.15	-13.00	-30.77 Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : GPRS 1900 Ch661

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
			Factor	1				g	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB	
1 3760.00	-41.12	RMS	29.96	-23.55	1.08	-95.23	46.62	-13.00	-28.12 Vertical
2 5640.00	-44.59	RMS	33.20	-22.53	0.62	-95.23	39.35	-13.00	-31.59 Vertical
3 7520.00	-43.96	RMS	36.46	-20.87	0.72	-95.23	34.96	-13.00	-30.96 Vertical

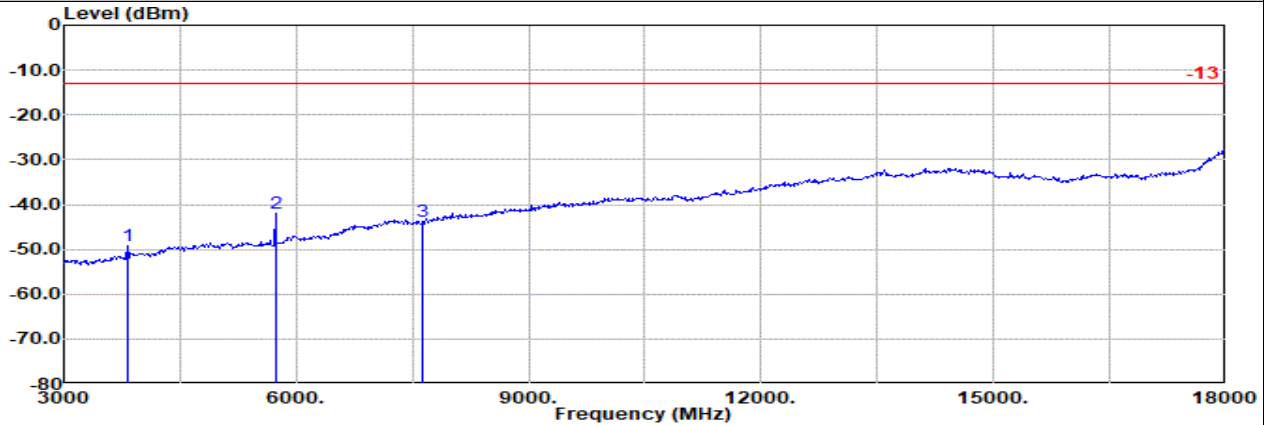


Ant. 1

Part 24E Mode 7

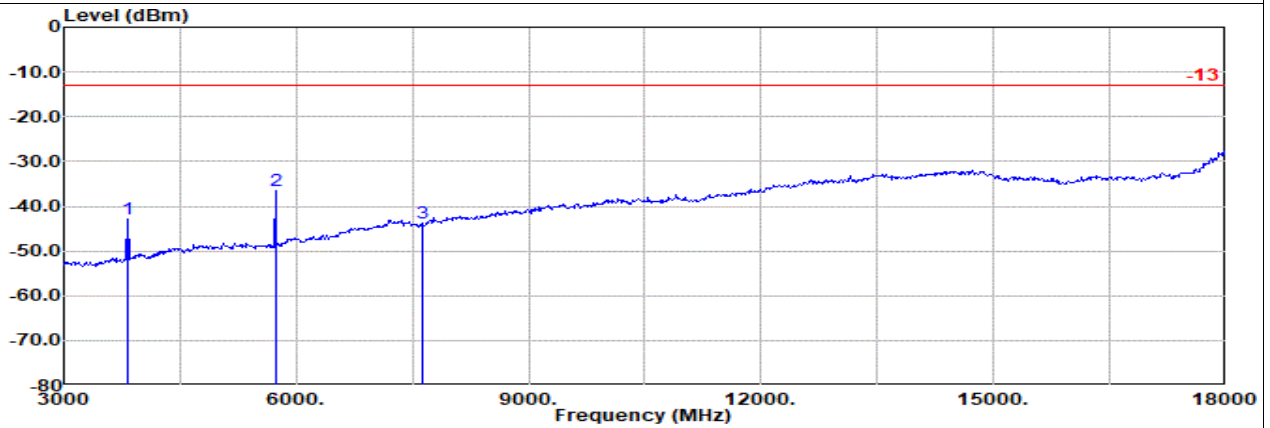
GPRS 1900 Ch810

H



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : GPRS 1900 Ch810

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol
				Factor	1					
1	3819.00	-49.07	RMS	30.31	-23.53	1.02 -95.23	38.36	-13.00	-36.07	Horizontal
2	5729.00	-42.05	RMS	33.33	-22.62	0.59 -95.23	41.88	-13.00	-29.05	Horizontal
3	7639.00	-43.70	RMS	36.48	-20.92	0.79 -95.23	35.18	-13.00	-30.70	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : GPRS 1900 Ch810

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol
				Factor	1					
1	3819.00	-42.87	RMS	30.31	-23.53	1.02 -95.23	44.56	-13.00	-29.87	Vertical
2	5729.00	-36.58	RMS	33.33	-22.62	0.59 -95.23	47.35	-13.00	-23.58	Vertical
3	7639.00	-43.87	RMS	36.48	-20.92	0.79 -95.23	35.01	-13.00	-30.87	Vertical

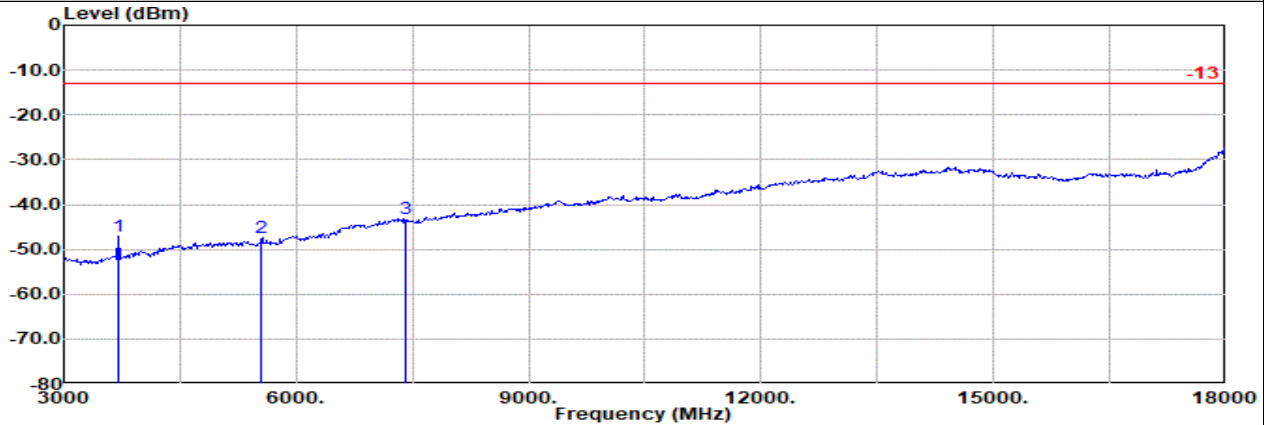


Ant. 1

Part 24E Mode 8

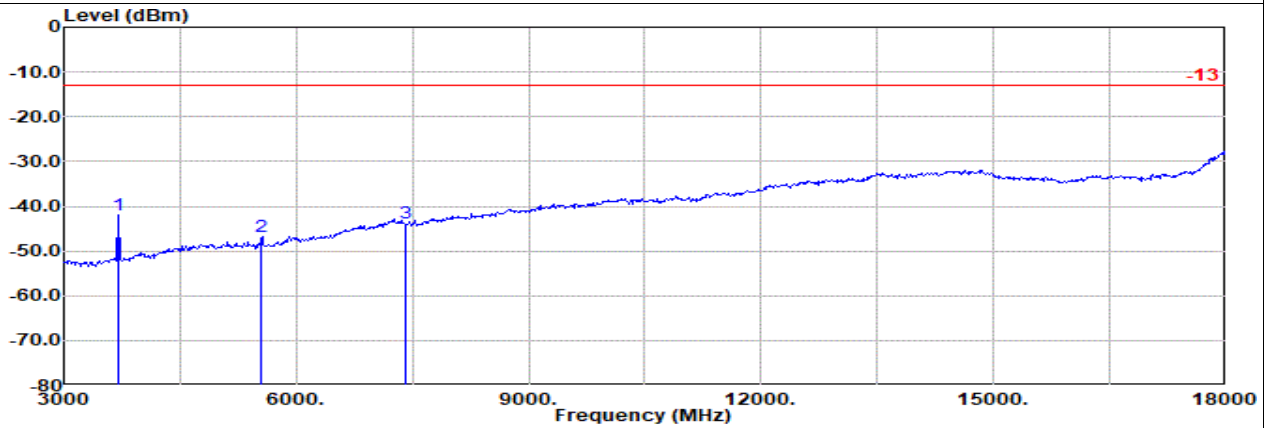
EDGE 1900 Ch512

L



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : EDGE 1900 Ch512

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol		
			Factor	1				g	dB	dB
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 3700.00	-47.14	RMS	29.70	-23.43	1.14	-95.23	40.68	-13.00	-34.14	Horizontal
2 5550.00	-47.26	RMS	33.10	-22.37	0.67	-95.23	36.57	-13.00	-34.26	Horizontal
3 7400.00	-43.28	RMS	36.70	-20.78	0.63	-95.23	35.40	-13.00	-30.28	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : EDGE 1900 Ch512

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol		
			Factor	1				g	dB	dB
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 3700.00	-42.05	RMS	29.70	-23.43	1.14	-95.23	45.77	-13.00	-29.05	Vertical
2 5550.00	-46.66	RMS	33.10	-22.37	0.67	-95.23	37.17	-13.00	-33.66	Vertical
3 7400.00	-43.69	RMS	36.70	-20.78	0.63	-95.23	34.99	-13.00	-30.69	Vertical

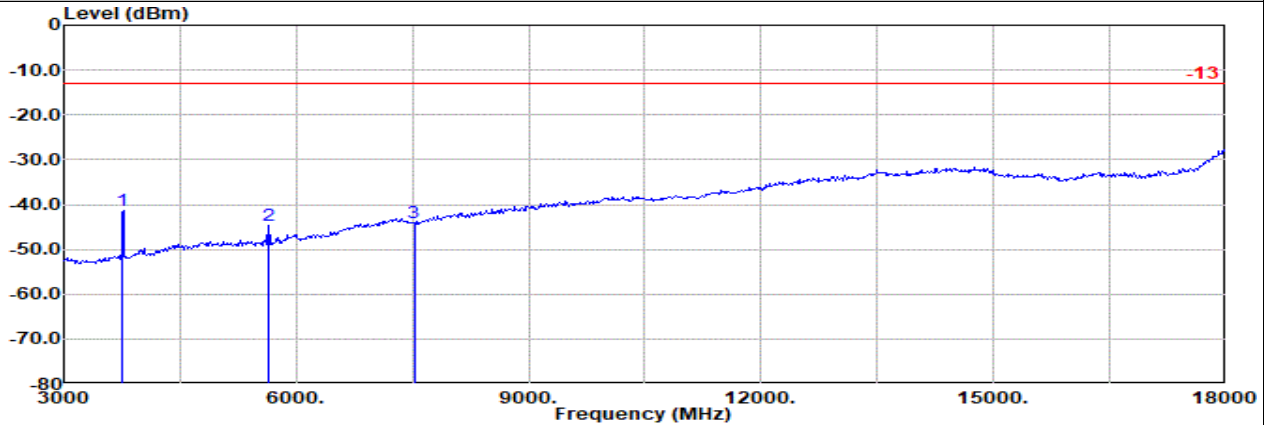


Ant. 1

Part 24E Mode 8

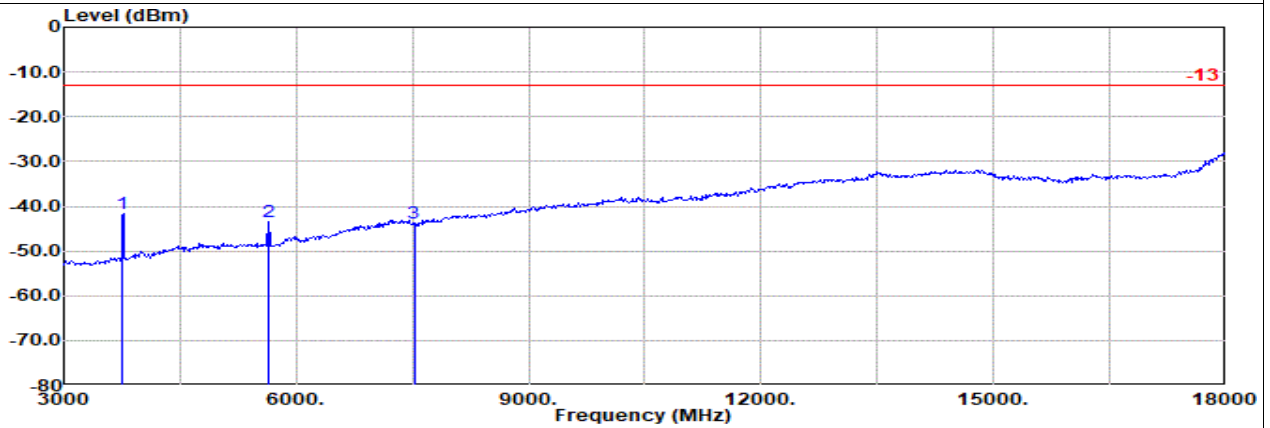
EDGE 1900 Ch661

M



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : EDGE 1900 Ch661

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin		Pol
			Factor	1				g	dB	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 3760.00	-41.50	RMS	29.96	-23.55	1.08	-95.23	46.24	-13.00	-28.50	Horizontal
2 5640.00	-44.72	RMS	33.20	-22.53	0.62	-95.23	39.22	-13.00	-31.72	Horizontal
3 7520.00	-43.93	RMS	36.46	-20.87	0.72	-95.23	34.99	-13.00	-30.93	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : EDGE 1900 Ch661

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin		Pol
			Factor	1				g	dB	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 3760.00	-41.62	RMS	29.96	-23.55	1.08	-95.23	46.12	-13.00	-28.62	Vertical
2 5640.00	-43.40	RMS	33.20	-22.53	0.62	-95.23	40.54	-13.00	-30.40	Vertical
3 7520.00	-43.73	RMS	36.46	-20.87	0.72	-95.23	35.19	-13.00	-30.73	Vertical

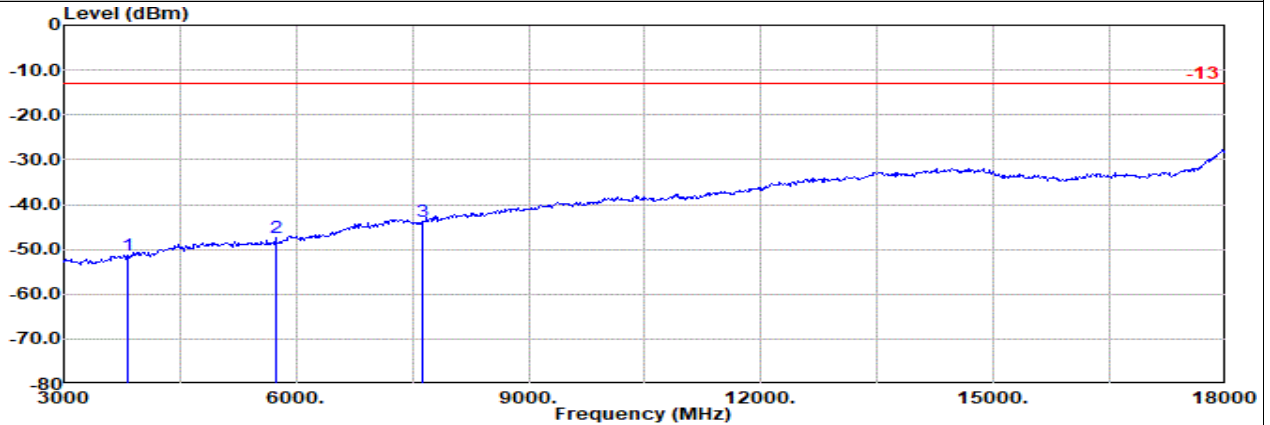


Ant. 1

Part 24E Mode 8

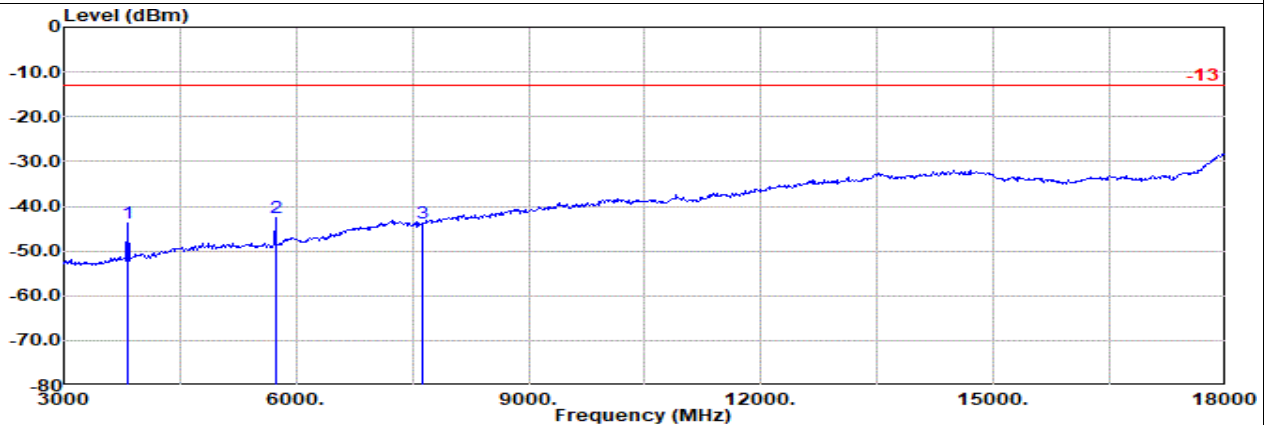
EDGE 1900 Ch810

H



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : EDGE 1900 Ch810

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol	
				Factor	1						
				dB/m	dB	dB	dBuV				
1	3819.00	-51.22	RMS	30.31	-23.53	1.02	-95.23	36.21	-13.00	-38.22	Horizontal
2	5729.00	-47.25	RMS	33.33	-22.62	0.59	-95.23	36.68	-13.00	-34.25	Horizontal
3	7639.00	-43.65	RMS	36.48	-20.92	0.79	-95.23	35.23	-13.00	-30.65	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : EDGE 1900 Ch810

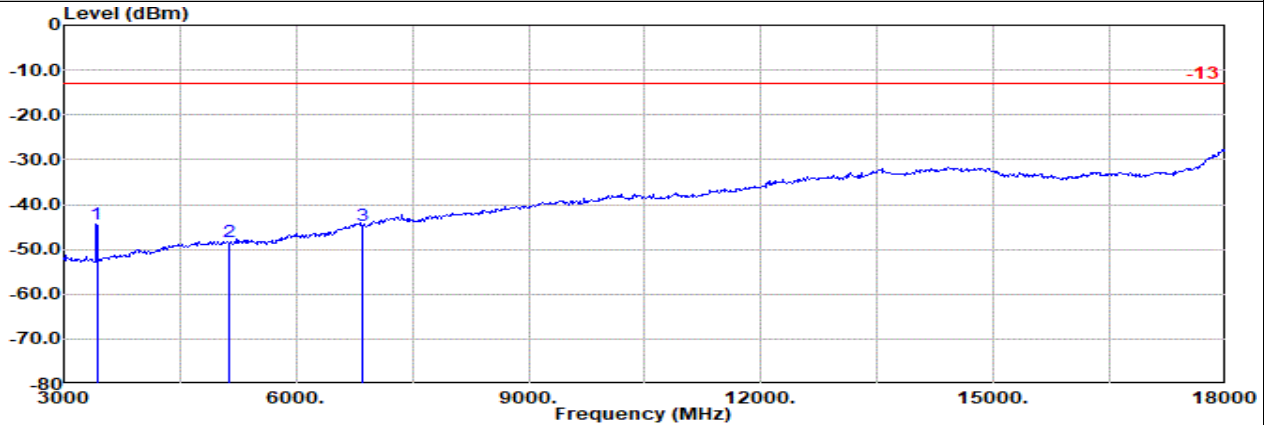
	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol	
				Factor	1						
				dB/m	dB	dB	dBuV				
1	3819.00	-43.89	RMS	30.31	-23.53	1.02	-95.23	43.54	-13.00	-30.89	Vertical
2	5729.00	-42.63	RMS	33.33	-22.62	0.59	-95.23	41.30	-13.00	-29.63	Vertical
3	7639.00	-43.80	RMS	36.48	-20.92	0.79	-95.23	35.08	-13.00	-30.80	Vertical



Ant. 1

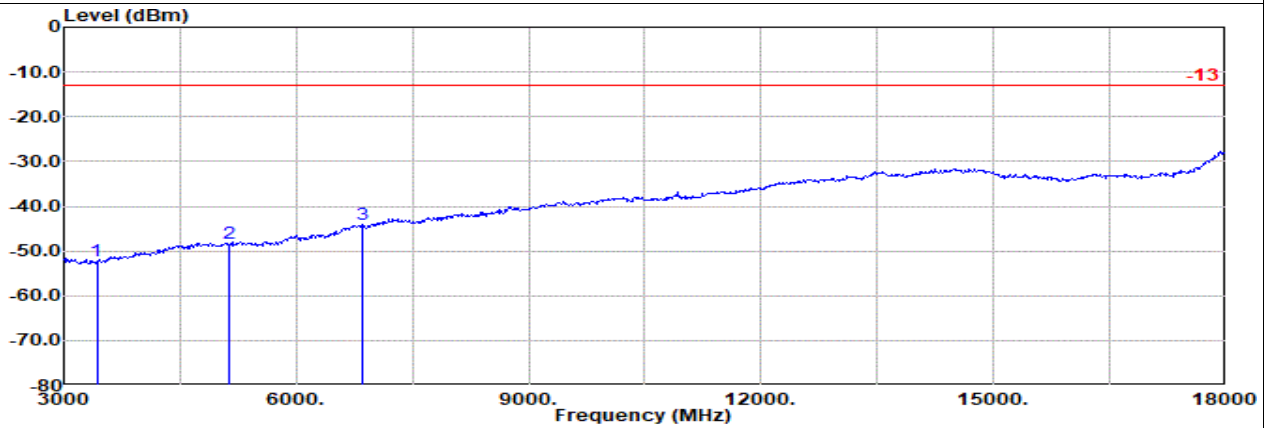
Part 27L Mode 1
WCDMA B4 Ch1312

L



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Horizontal
: WCDMA Band4 CH1312

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin Pol		
			Factor	1				g	dB	Pol
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 3425.00	-44.30	RMS	29.75	-23.99	1.20	-95.23	43.97	-13.00	-31.30	Horizontal
2 5137.00	-48.31	RMS	33.28	-23.04	0.68	-95.23	36.00	-13.00	-35.31	Horizontal
3 6850.00	-44.80	RMS	36.20	-21.33	0.73	-95.23	34.83	-13.00	-31.80	Horizontal



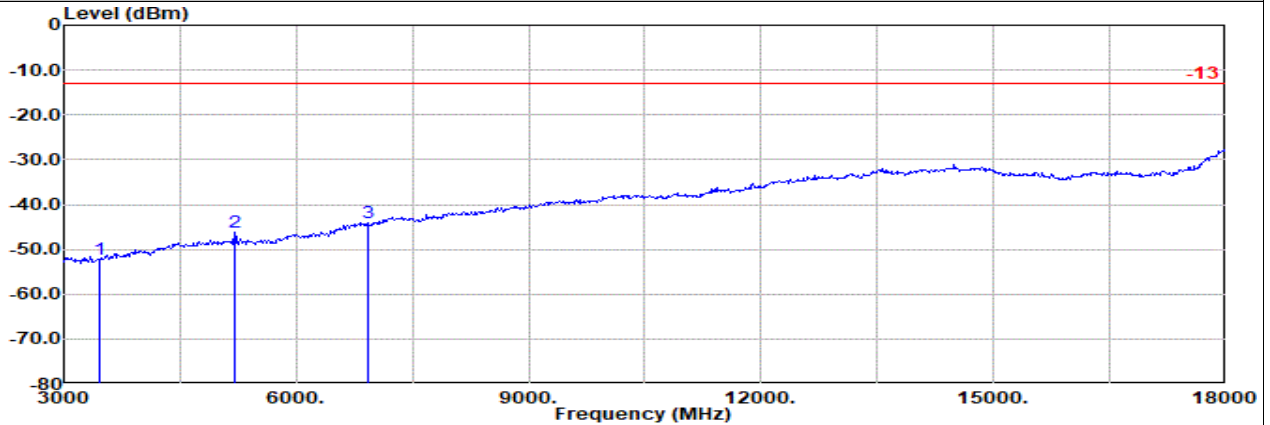
Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Vertical
: WCDMA Band4 CH1312

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin Pol		
			Factor	1				g	dB	Pol
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 3425.00	-52.36	RMS	29.75	-23.99	1.20	-95.23	35.91	-13.00	-39.36	Vertical
2 5137.00	-48.22	RMS	33.28	-23.04	0.68	-95.23	36.09	-13.00	-35.22	Vertical
3 6850.00	-44.14	RMS	36.20	-21.33	0.73	-95.23	35.49	-13.00	-31.14	Vertical



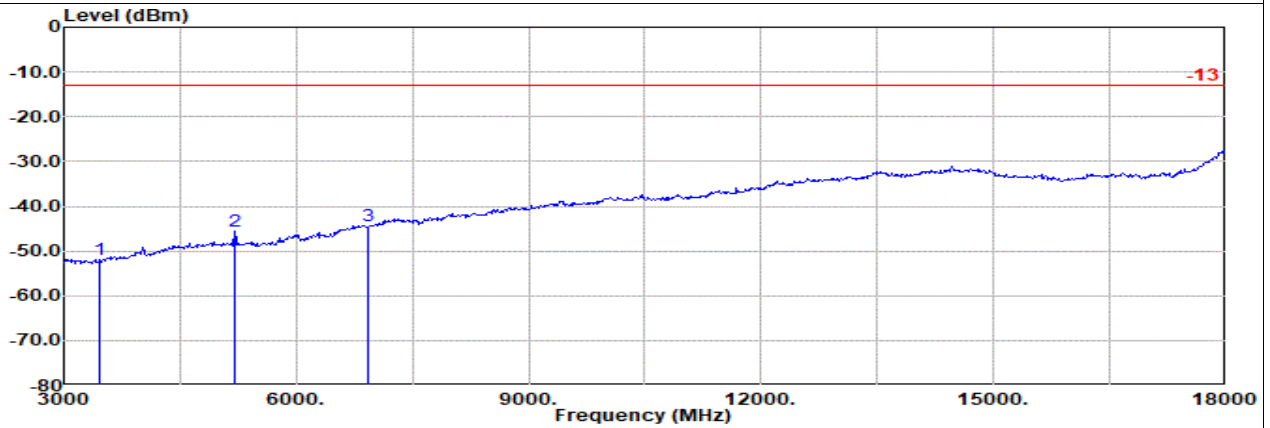
Ant. 1

Part 27L Mode 1
WCDMA B4 Ch1413
M



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Horizontal
: WCDMA Band4 CH1413

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol	
				Factor	1						
				dB/m	dB	dB	dBuV				
1	3465.00	-52.17	RMS	29.74	-23.72	1.21	-95.23	35.83	-13.00	-39.17	Horizontal
2	5198.00	-46.18	RMS	33.10	-22.89	0.71	-95.23	38.13	-13.00	-33.18	Horizontal
3	6930.00	-44.15	RMS	36.00	-21.30	0.71	-95.23	35.67	-13.00	-31.15	Horizontal



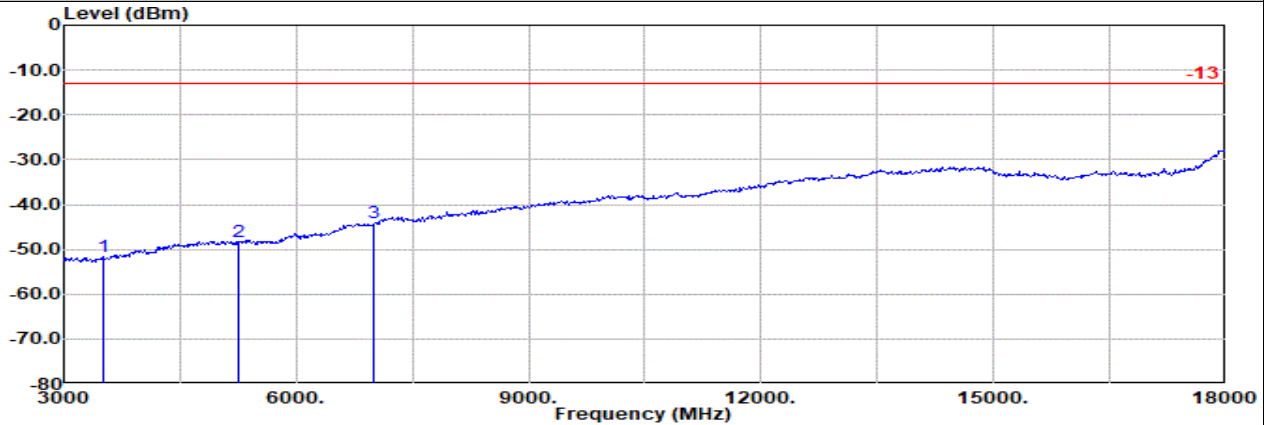
Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Vertical
: WCDMA Band4 CH1413

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol	
				Factor	1						
				dB/m	dB	dB	dBuV				
1	3465.00	-52.06	RMS	29.74	-23.72	1.21	-95.23	35.94	-13.00	-39.06	Vertical
2	5198.00	-45.70	RMS	33.10	-22.89	0.71	-95.23	38.61	-13.00	-32.70	Vertical
3	6930.00	-44.45	RMS	36.00	-21.30	0.71	-95.23	35.37	-13.00	-31.45	Vertical



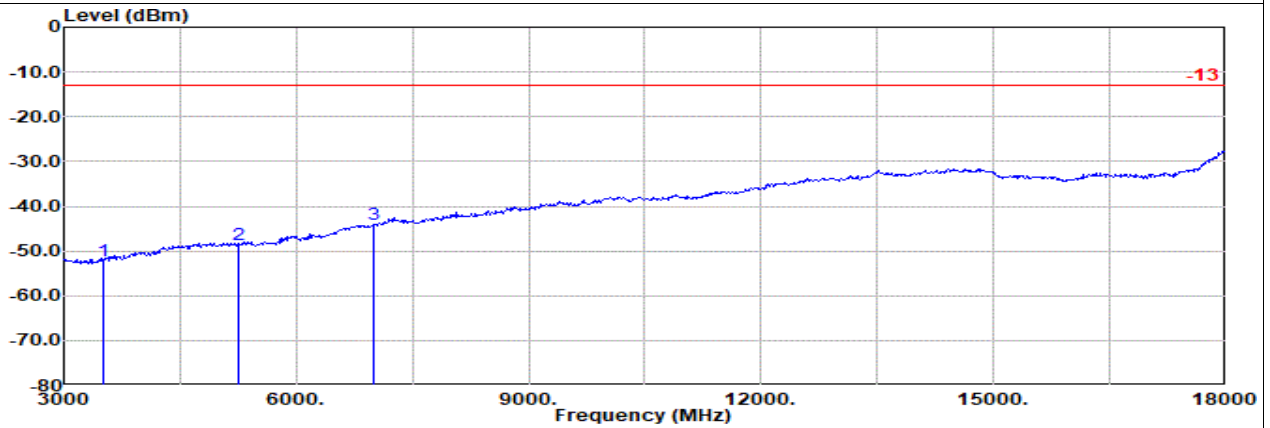
Ant. 1

Part 27L Mode 1
WCDMA B4 Ch1513
H



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Horizontal
: WCDMA Band4 CH1513

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol	
				Factor	1						
				dB/m	dB	dB	dBuV				
1	3505.00	-51.75	RMS	29.60	-23.48	1.22	-95.23	36.14	-13.00	-38.75	Horizontal
2	5258.00	-48.36	RMS	33.20	-22.55	0.73	-95.23	35.49	-13.00	-35.36	Horizontal
3	7010.00	-44.03	RMS	36.14	-21.27	0.70	-95.23	35.63	-13.00	-31.03	Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Vertical
: WCDMA Band4 CH1513

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol	
				Factor	1						
				dB/m	dB	dB	dBuV				
1	3505.00	-52.24	RMS	29.60	-23.48	1.22	-95.23	35.65	-13.00	-39.24	Vertical
2	5258.00	-48.48	RMS	33.20	-22.55	0.73	-95.23	35.37	-13.00	-35.48	Vertical
3	7010.00	-43.96	RMS	36.14	-21.27	0.70	-95.23	35.70	-13.00	-30.96	Vertical

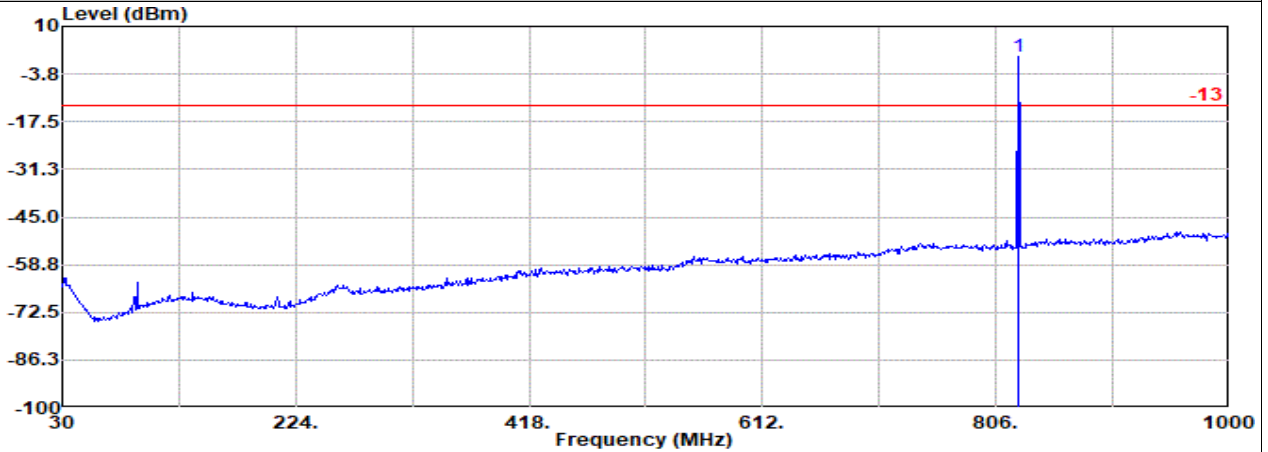


Ant. 1

Part 22H Mode 8

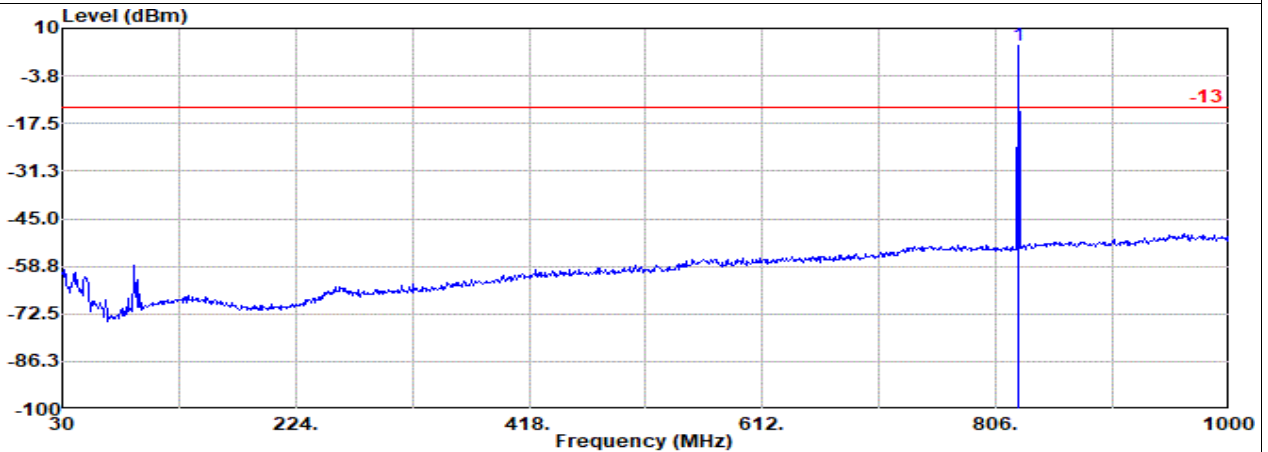
GPRS 850 Ch128

L



Site : 03CH12-HY
 Condition: -13 3m Bilog_37059_20231103 Horizontal
 : GPRS850 Ch128

	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	824.20	1.40	RMS	28.42	4.68	0.00	-95.23	63.53	-----	-----	-----	Horizontal



Site : 03CH12-HY
 Condition: -13 3m Bilog_37059_20231103 Vertical
 : GPRS850 Ch128

	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	824.20	5.11	RMS	28.42	4.68	0.00	-95.23	67.24	-----	-----	-----	Vertical

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