



# FCC RADIO TEST REPORT

**FCC ID** : A4RG6GPR  
**Equipment** : Phone  
**Model Name** : G6GPR  
**Applicant** : Google LLC  
1600 Amphitheatre Parkway,  
Mountain View, California, 94043 USA  
**Standard** : FCC 47 CFR Part 2, 24(E), 27(L)

The product was received on Aug. 25, 2023 and testing was performed from Aug. 28, 2023 to Dec. 05, 2023. 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.

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	-
	§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 (GSM1900) (WCDMA Band II) (WCDMA Band IV)	Pass	-
	§24.238 (b)			
	§27.53 (g)			
3.5	§2.1051	Band Edge Measurement (GSM1900) (WCDMA Band II) (WCDMA Band IV)	Pass	-
	§24.238 (a)			
	§27.53 (g)			
3.6	§2.1051	Conducted Emission (GSM1900) (WCDMA Band II) (WCDMA Band IV)	Pass	-
	§24.238 (a)			
	§27.53 (g)			
3.7	§2.1055	Frequency Stability Temperature & Voltage	Pass	-
	§24.235			
	§27.54			
4.4	§2.1053 §24.238 (a) §27.53 (h)	Field Strength of Spurious Radiation (GSM1900) (WCDMA Band II) (WCDMA Band IV)	Pass	36.42 dB under the limit at 5137.00 MHz for Tx0 Antenna 41.72 dB under the limit at 5137.00 MHz for Tx1 Antenna

**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: William Chen

Report Producer: Lucy Wu



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

Product Feature
<p><b>General Specs</b>                      GSM/WCDMA/LTE/5G NR, Bluetooth, BLE, BLE channel sounding, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11a/ax, NFC, WPC Rx and GNSS Rx.</p> <p><b>Antenna Type</b>                      WWAN                      &lt;Ant. 0&gt;: ILA Antenna                      &lt;Ant. 1&gt;: ILA Antenna                      &lt;Ant. 2&gt;: IFA Antenna                      &lt;Ant. 5&gt;: IFA Antenna                      &lt;Ant. 6&gt;: IFA Antenna</p>

EUT Information List	
S/N	Performed Test Item
38011JEKB00208	Conducted Measurement ERP/EIRP
38011JEKB00122	Radiated Spurious Emission

Support band and evaluated information	
<b>Supported band</b>	GSM850, 1900, WCDMA Band II / IV / V
<b>Evaluated and Tested band</b>	GSM1900, WCDMA Band II / IV

**Note:** For GSM850 and WCDMA Band V data please refer to spot check report.

Antenna information							
Band	Ant0	Ant1	Ant2	Ant5	Ant6	Main Ant. #	Sub Ant. #
GSM1900	-2.6		-0.8			2	0
WCDMA B2	-2.6		-0.8			2	0
WCDMA B4	-2.2		-0.1			2	0
WCDMA B5	-4.3	-4.7				0	1

**Remark:**

- For Test Items, Main Ant. means Tx0 and Sub Ant. means Tx1.
- After preliminary scan, the main antenna TX0 is selected as the worst mode to be reported for conducted test in the test report.
- The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.



### 1.2 Modification of EUT

No modifications made to the EUT during the testing.

### 1.3 Testing Location

<b>Test Site</b>	Sporton International Inc. EMC & Wireless Communications Laboratory
<b>Test Site Location</b>	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
<b>Test Site No.</b>	<b>Sporton Site No.</b> TH03-HY
<b>Test Engineer</b>	Eric Wu
<b>Temperature (°C)</b>	22.4~24.4
<b>Relative Humidity (%)</b>	34.1~36.1

<b>Test Site</b>	Sporton International Inc. Wensan Laboratory
<b>Test Site Location</b>	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
<b>Test Site No.</b>	<b>Sporton Site No.</b> 03CH21-HY (TAF Code: 3786)
<b>Test Engineer</b>	Jack Cheng, Ray Lung and Sky Chang
<b>Temperature (°C)</b>	18~26
<b>Relative Humidity (%)</b>	50~70
<b>Remark</b>	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



## **1.4 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, 24(E), 27(L)
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01

**Remark:**

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.



## 2 Test Configuration of Equipment Under Test

### 2.1 Test Mode

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

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in 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 find <Tx0 Antenna>: X Plane with Earphone for WCDMA Band IV, Y plane with Earphone for WCDMA Band II, Z Plane with Earphone for GSM1900; <Tx1 Antenna>: X Plane with Earphone for WCDMA Band II, Z Plane with Adapter for GSM1900, Z Plane without Accessory for WCDMA Band IV as worst case.

Radiated emissions were investigated as following frequency range:1. 30 MHz to 18000 MHz for WCDMA Band IV

2. 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
GSM1900	<ul style="list-style-type: none"> <li>■ GPRS Class 8 Link</li> <li>■ EDGE Class 8 Link</li> </ul>	<ul style="list-style-type: none"> <li>■ GPRS Class 8 Link</li> <li>■ EDGE Class 8 Link</li> </ul>
WCDMA Band II	<ul style="list-style-type: none"> <li>■ RMC 12.2Kbps Link</li> </ul>	<ul style="list-style-type: none"> <li>■ RMC 12.2Kbps Link</li> </ul>
WCDMA Band IV	<ul style="list-style-type: none"> <li>■ RMC 12.2Kbps Link</li> </ul>	<ul style="list-style-type: none"> <li>■ RMC 12.2Kbps Link</li> </ul>

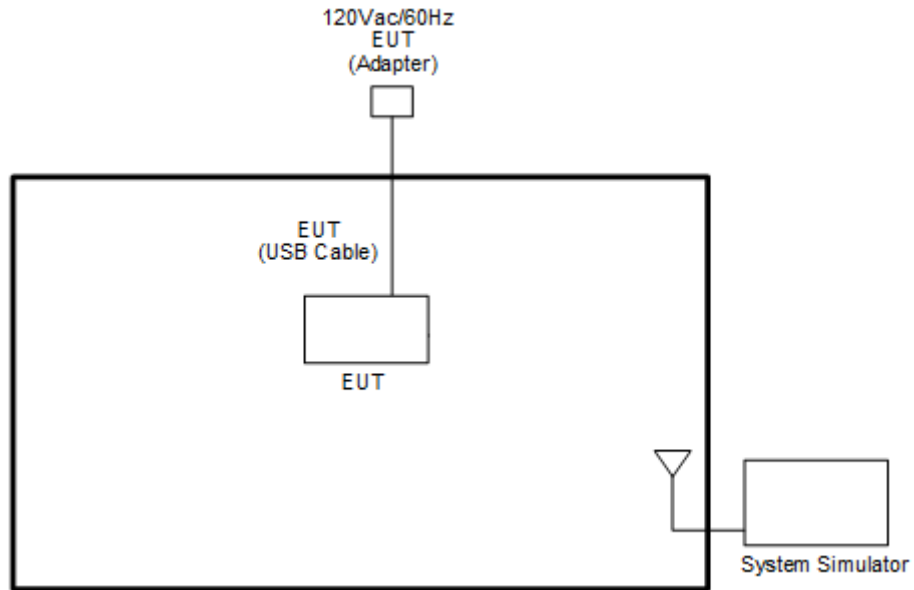
**Remark:**

1. All the radiated test cases were performed with Adapter 1 and USB Cable 3.
2. During the RSE preliminary test, the standalone mode and charging modes (Adapter mode and WPC Rx mode) were verified. It is determined that the adapter mode is the worst case for the official test.

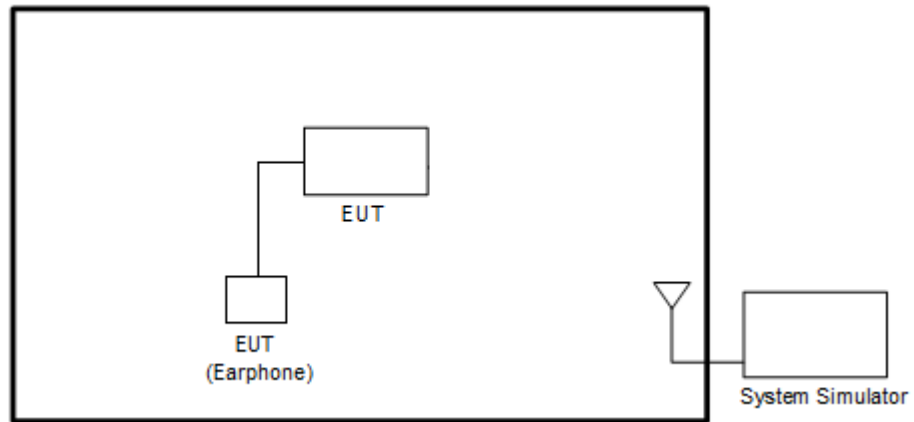


## 2.2 Connection Diagram of Test System

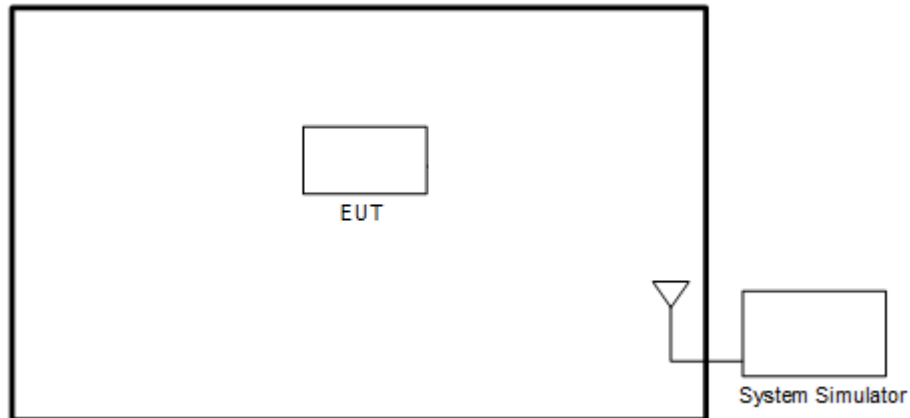
### <EUT with Adapter>



### <EUT with Earphone>



<EUT without Accessory>



### 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.	System Simulator	Anritsu	MT8820C	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
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

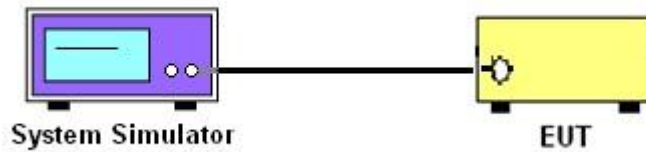
### 3 Conducted Test Result

#### 3.1 Measuring Instruments

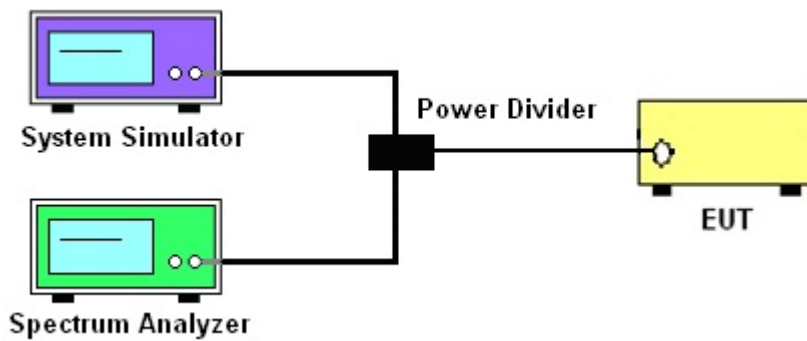
Please refer to the measuring equipment list in this test report.

##### 3.1.1 Test Setup

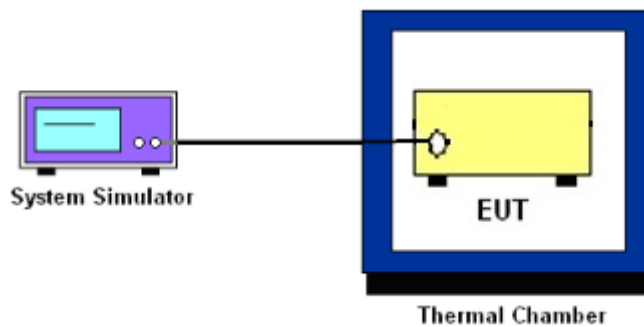
##### 3.1.2 Conducted Output Power



##### 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 EIRP

### 3.2.1 Description of the Conducted Output Power and 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 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 10<sup>th</sup> 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

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.

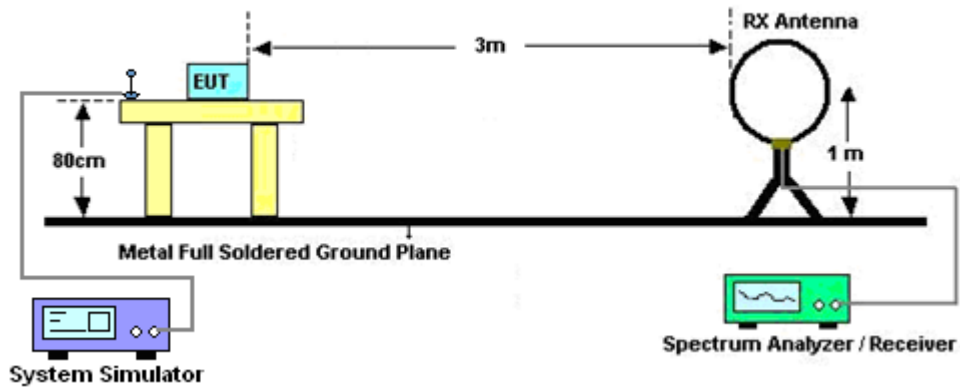
## 4 Radiated Test Items

### 4.1 Measuring Instruments

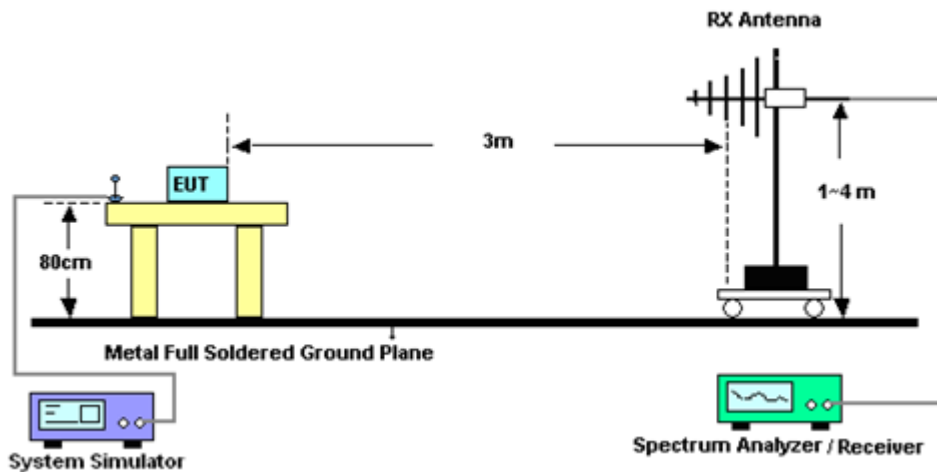
Please refer to the measuring equipment list in this test report.

### 4.2 Test Setup

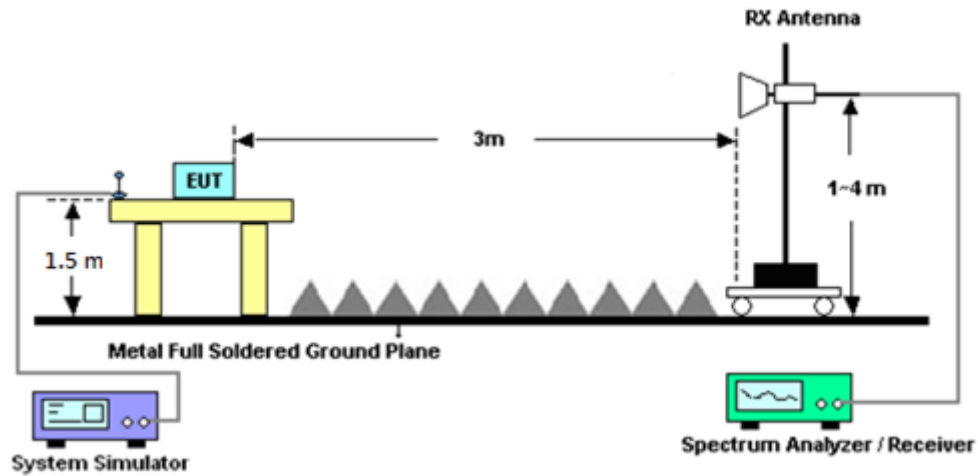
For radiated test below 30MHz



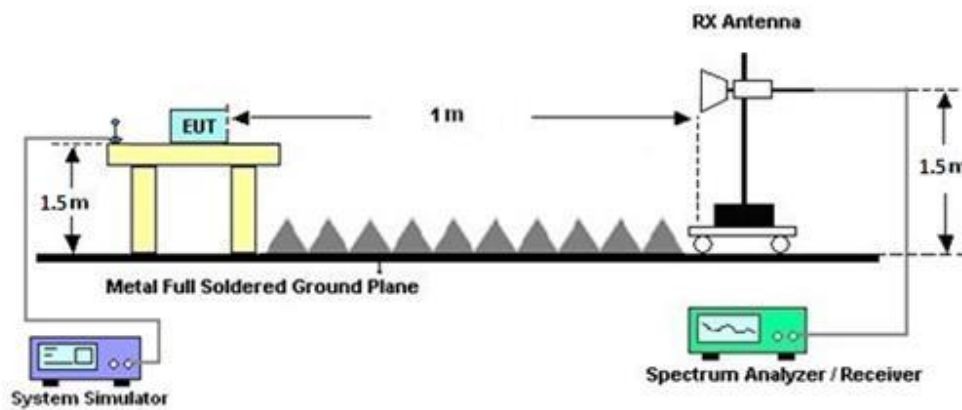
For radiated test from 30MHz to 1GHz



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)  
$$\text{EIRP(dBm)} = \text{Level (dBuV/m)} + 20\log(d) - 104.77,$$
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	100488	9 kHz~30 MHz	Sep. 20, 2022	Aug. 28, 2023~ Sep. 05, 2023	Sep. 19, 2023	Radiation (03CH21-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63303 & 001	30MHz~1GHz	Oct. 04, 2022	Aug. 28, 2023~ Sep. 05, 2023	Oct. 03, 2023	Radiation (03CH21-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C03A18E N	1GHz~18GHz	Jul. 12, 2023	Aug. 28, 2023~ Sep. 05, 2023	Jul. 11, 2024	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jul. 10, 2023	Aug. 28, 2023~ Sep. 05, 2023	Jul. 09, 2024	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 15, 2023	Aug. 28, 2023~ Sep. 05, 2023	Jul. 14, 2024	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 29, 2022	Aug. 28, 2023~ Sep. 05, 2023	Sep. 28, 2023	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Sep. 28, 2022	Aug. 28, 2023~ Sep. 05, 2023	Sep. 27, 2023	Radiation (03CH21-HY)
Spectrum Analyzer	Keysight	N9010B	MY62170358	10Hz~44GHz	Sep. 11, 2022	Aug. 28, 2023~ Sep. 05, 2023	Sep. 10, 2023	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 07, 2023	Aug. 28, 2023~ Sep. 05, 2023	Mar. 06, 2024	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,804612/2,804614/2	30MHz~40GHz	Oct. 25, 2022	Aug. 28, 2023~ Sep. 05, 2023	Oct. 24, 2023	Radiation (03CH21-HY)
Hygrometer	TECPEL	DTM-303A	TP211568	N/A	Nov. 17, 2022	Aug. 28, 2023~ Sep. 05, 2023	Nov. 16, 2023	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Aug. 28, 2023~ Sep. 05, 2023	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Aug. 28, 2023~ Sep. 05, 2023	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Aug. 28, 2023~ Sep. 05, 2023	N/A	Radiation (03CH21-HY)
Software	Audix	E3 9.230621	RK-002349	N/A	N/A	Aug. 28, 2023~ Sep. 05, 2023	N/A	Radiation (03CH21-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101329	9kHz~30GHz	Sep. 27, 2022	Sep. 18, 2023~ Sep. 19, 2023	Sep. 26, 2023	Conducted (TH03-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101329	9kHz~30GHz	Sep. 20, 2023	Sep. 20, 2023~ Dec. 05, 2023	Sep. 19, 2024	Conducted (TH03-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890001	1V~20V 0.5A~4A	Sep. 12, 2023	Sep. 18, 2023~ Dec. 05, 2023	Sep. 11, 2024	Conducted (TH03-HY)
Base Station (Measure)	Rohde & Schwarz	CMU200	117995	GSM / GPRS / WCDMA / CDMA	Aug. 06, 2023	Sep. 18, 2023~ Dec. 05, 2023	Aug. 05, 2024	Conducted (TH03-HY)
Temperature & Humidity Cabinet Chamber	ESPEC	LHU-113	1012005860	-20℃ ~85℃	Dec. 05, 2022	Sep. 18, 2023~ Dec. 03, 2023	Dec. 04, 2023	Conducted (TH03-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 04, 2023	Dec. 04, 2023~ Dec. 05, 2023	Sep. 03, 2024	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 17, 2022	Sep. 18, 2023~ Nov. 06, 2023	Nov. 16, 2023	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Nov. 07, 2023~ Dec. 05, 2023	Nov. 06, 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% ( $U = 2Uc(y)$ )	3.06 dB
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### Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.31 dB
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### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.30 dB
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### Appendix A. Test Results of Conducted Test

#### Conducted Output Power(Average power & ERP / EIRP)

<Tx0 Antenna>

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	29.81	29.90	29.69	29.15	0.8222
GPRS class 8	29.87	29.95	29.71		
GPRS class 10	28.93	28.67	28.62		
GPRS class 11	28.01	28.49	28.45		
GPRS class 12	26.61	26.62	26.63		
EGPRS class 8	25.09	25.07	24.92	24.29	0.2685
EGPRS class 10	23.94	23.80	23.94		
EGPRS class 11	23.77	23.61	23.49		
EGPRS class 12	22.46	22.31	22.42		
Limit	EIRP < 2W			Result	Pass





<b>WCDMA Band II Maximum Average Power [dBm] (GT - LC = -0.8 dB)</b>					
Channel	9262	9400	9538	EIRP (dBm)	EIRP (W)
Frequency	1852.4	1880	1907.6		
<b>RMC 12.2K</b>	24.24	24.29	24.30	23.50	0.2239
<b>HSDPA Subtest-1</b>	23.99	23.98	23.99		
<b>HSDPA Subtest-2</b>	23.98	23.95	23.98		
<b>HSDPA Subtest-3</b>	23.44	23.44	23.49		
<b>HSDPA Subtest-4</b>	23.20	23.08	23.00		
<b>HSUPA Subtest-1</b>	23.34	23.36	23.33		
<b>HSUPA Subtest-2</b>	21.25	21.28	21.27		
<b>HSUPA Subtest-3</b>	21.81	21.84	21.80		
<b>HSUPA Subtest-4</b>	20.80	20.80	20.75		
<b>HSUPA Subtest-5</b>	23.88	23.80	23.90		
Limit	EIRP < 2W				

<b>WCDMA Band IV Maximum Average Power [dBm] (GT - LC = -0.1 dB)</b>					
Channel	1312	1413	1513	EIRP (dBm)	EIRP (W)
Frequency	1712.4	1732.6	1752.6		
<b>RMC 12.2K</b>	24.26	24.65	24.71	24.61	0.2891
<b>HSDPA Subtest-1</b>	24.22	24.54	24.41		
<b>HSDPA Subtest-2</b>	24.10	24.39	24.33		
<b>HSDPA Subtest-3</b>	23.60	23.86	23.80		
<b>HSDPA Subtest-4</b>	23.63	23.89	23.77		
<b>HSUPA Subtest-1</b>	23.66	24.21	23.93		
<b>HSUPA Subtest-2</b>	21.59	22.12	21.92		
<b>HSUPA Subtest-3</b>	22.07	22.67	22.46		
<b>HSUPA Subtest-4</b>	21.90	22.12	21.51		
<b>HSUPA Subtest-5</b>	24.56	24.60	24.65		
Limit	EIRP < 1W				



**<Tx1 Antenna>**

<b>GSM1900 Maximum Average Power [dBm] (GT - LC = -2.6 dB)</b>					
<b>Channel</b>	<b>512</b>	<b>661</b>	<b>810</b>	<b>EIRP (dBm)</b>	<b>EIRP (W)</b>
<b>Frequency</b>	<b>1850.2</b>	<b>1880</b>	<b>1909.8</b>		
<b>GSM</b>	28.85	28.90	28.86	26.33	0.4295
<b>GPRS class 8</b>	28.89	28.93	28.93		
<b>GPRS class 10</b>	28.65	28.61	28.59		
<b>GPRS class 11</b>	27.17	27.89	27.86		
<b>GPRS class 12</b>	26.03	26.22	26.10		
<b>EGPRS class 8</b>	24.90	24.92	25.12	22.52	0.1786
<b>EGPRS class 10</b>	23.36	23.56	23.45		
<b>EGPRS class 11</b>	23.28	23.28	23.11		
<b>EGPRS class 12</b>	21.94	21.78	21.62		
<b>Limit</b>	<b>EIRP &lt; 2W</b>			<b>Result</b>	<b>Pass</b>



<b>WCDMA Band II Maximum Average Power [dBm] (GT - LC = -2.6 dB)</b>					
Channel	9262	9400	9538	EIRP (dBm)	EIRP (W)
Frequency	1852.4	1880	1907.6		
<b>RMC 12.2K</b>	23.40	23.65	23.79	21.19	0.1315
<b>HSDPA Subtest-1</b>	23.49	23.47	23.48		
<b>HSDPA Subtest-2</b>	23.42	23.43	23.45		
<b>HSDPA Subtest-3</b>	22.97	22.94	22.98		
<b>HSDPA Subtest-4</b>	22.55	22.25	22.31		
<b>HSUPA Subtest-1</b>	22.41	22.43	22.90		
<b>HSUPA Subtest-2</b>	21.38	21.08	20.33		
<b>HSUPA Subtest-3</b>	22.48	21.13	21.01		
<b>HSUPA Subtest-4</b>	21.45	21.49	21.44		
<b>HSUPA Subtest-5</b>	23.50	23.40	21.80		
Limit	EIRP < 2W				

<b>WCDMA Band IV Maximum Average Power [dBm] (GT - LC = -2.2 dB)</b>					
Channel	1312	1413	1513	EIRP (dBm)	EIRP (W)
Frequency	1712.4	1732.6	1752.6		
<b>RMC 12.2K</b>	23.90	24.09	24.25	22.05	0.1603
<b>HSDPA Subtest-1</b>	23.66	23.67	23.67		
<b>HSDPA Subtest-2</b>	23.39	23.53	23.59		
<b>HSDPA Subtest-3</b>	22.93	23.11	23.05		
<b>HSDPA Subtest-4</b>	22.96	23.04	23.04		
<b>HSUPA Subtest-1</b>	22.88	23.05	23.13		
<b>HSUPA Subtest-2</b>	20.32	20.51	22.19		
<b>HSUPA Subtest-3</b>	21.86	22.05	22.09		
<b>HSUPA Subtest-4</b>	20.41	22.15	22.19		
<b>HSUPA Subtest-5</b>	24.00	24.20	24.20		
Limit	EIRP < 1W				



## A2. GSM

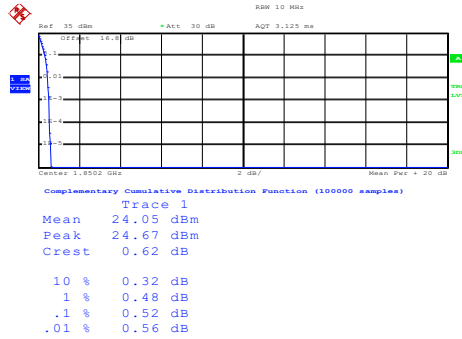
### Peak-to-Average Ratio

Mode	GSM1900	Limit: 13dB
Mod.	GPRS class 8	Result
Lowest CH	0.52	PASS
Middle CH	0.52	
Highest CH	0.52	



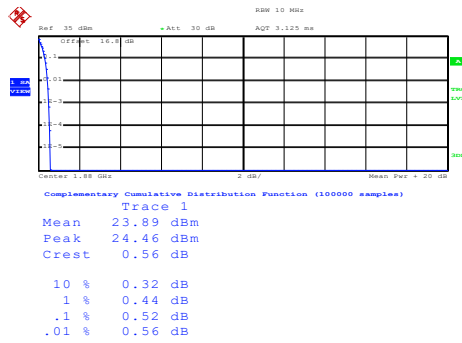
GSM1900 (GPRS class 8)

Lowest Channel



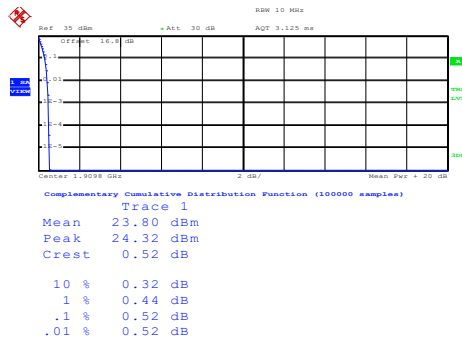
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Middle Channel



Date: 18.SEP.2023 18:13:04

Highest Channel

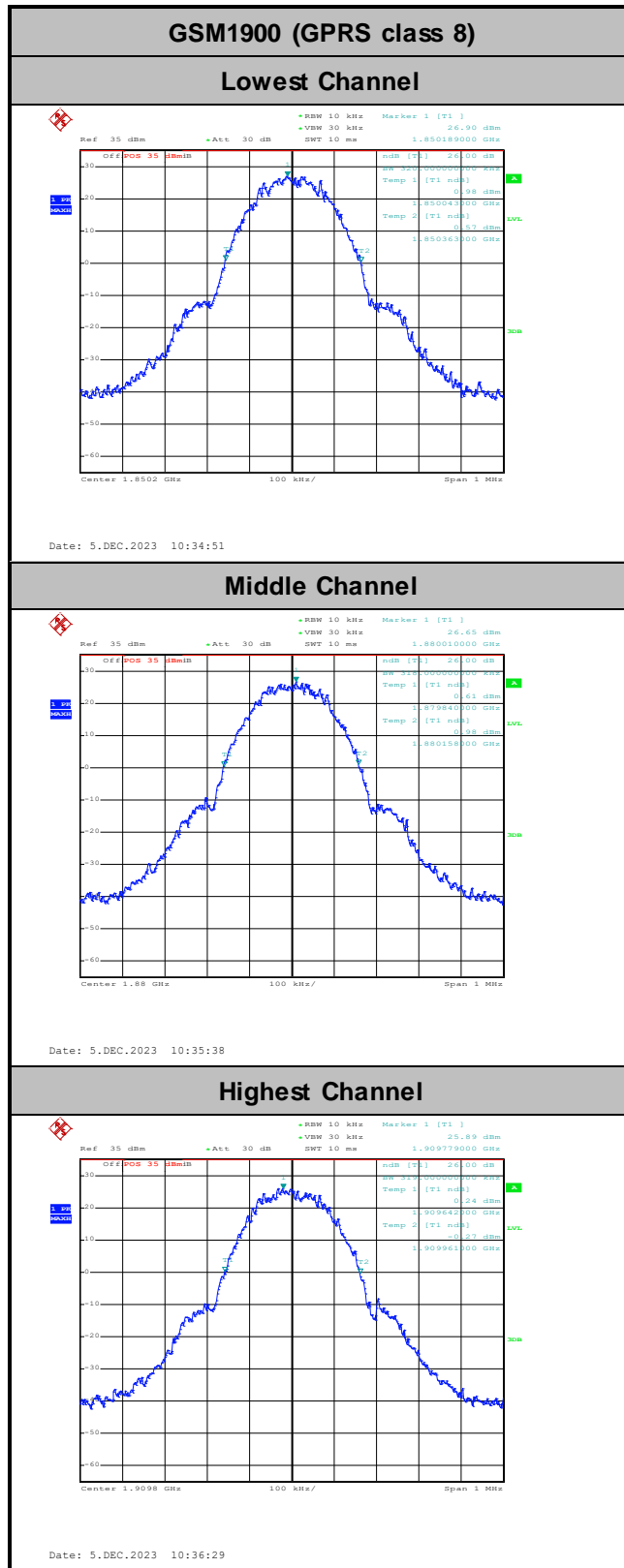


Date: 18.SEP.2023 18:13:22



**26dB Bandwidth**

Mode	GSM1900 : 26dB BW(MHz)
Mod.	GPRS class 8
Lowest CH	0.320
Middle CH	0.318
Highest CH	0.319





**Occupied Bandwidth**

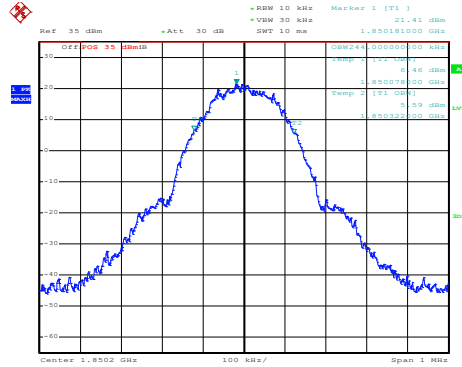
Mode	GSM1900 : 99%OBW(MHz)
Mod.	GPRS class 8
Lowest CH	0.244
Middle CH	0.245
Highest CH	0.245





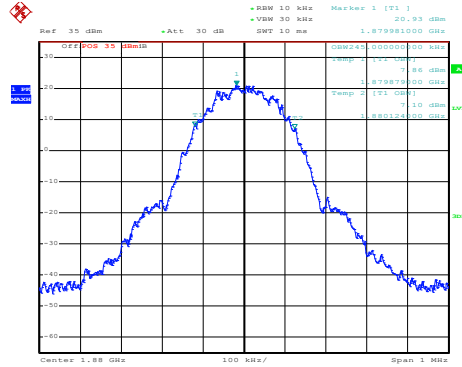
GSM1900 (GPRS class 8)

Lowest Channel



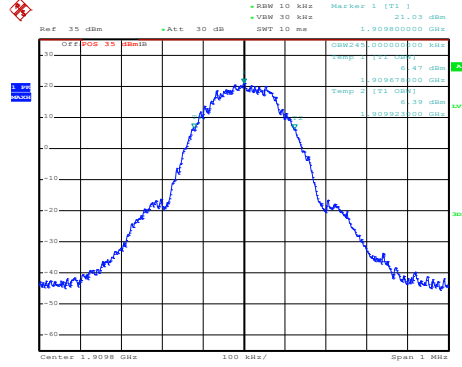
Date: 18.SEP.2023 18:03:41

Middle Channel



Date: 18.SEP.2023 18:04:16

Highest Channel



Date: 18.SEP.2023 18:04:51

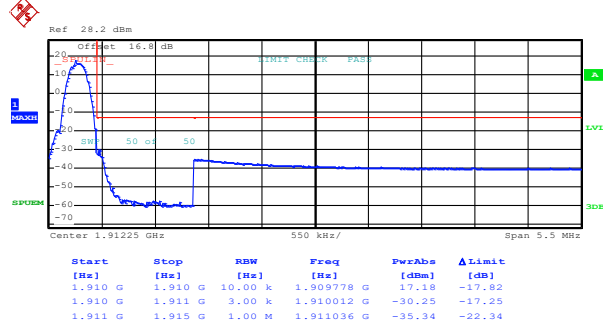
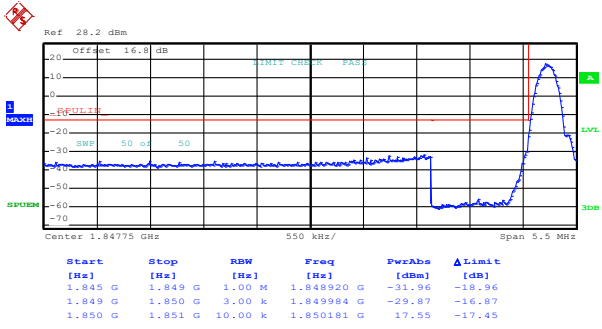


Conducted Band Edge

GSM1900 (GPRS class 8)

Lowest Band Edge

Highest Band Edge

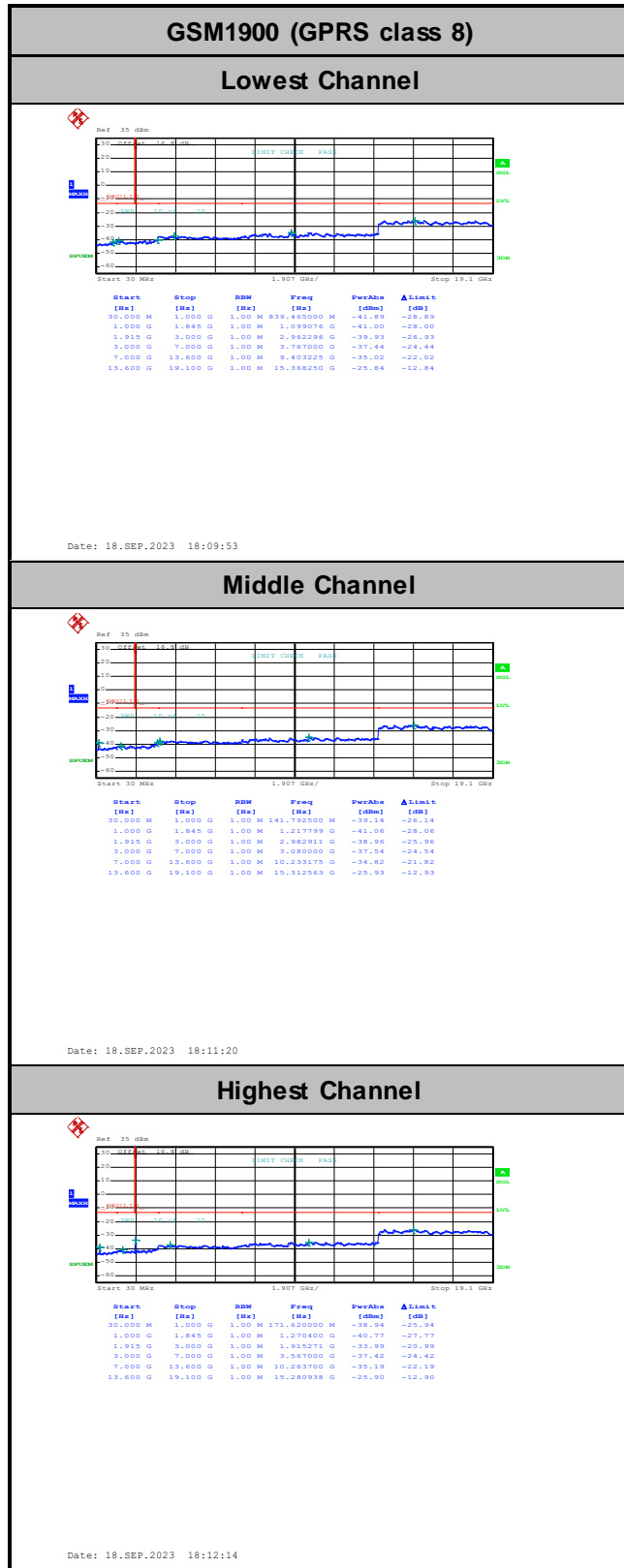


Date: 18.SEP.2023 18:06:40

Date: 18.SEP.2023 18:08:24



# Conducted Spurious Emission





**Frequency Stability**

Test Conditions	Middle Channel	GSM1900 (GSM)	Limit
			Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0027	PASS
40	Normal Voltage	0.0234	
30	Normal Voltage	0.0149	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0277	
0	Normal Voltage	0.0266	
-10	Normal Voltage	0.0207	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0037	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0239	

**Note:**

- 1. Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.48 V
- 2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

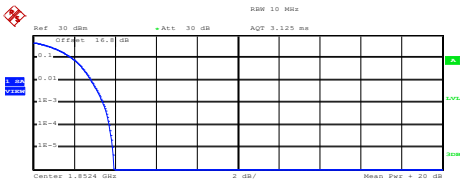
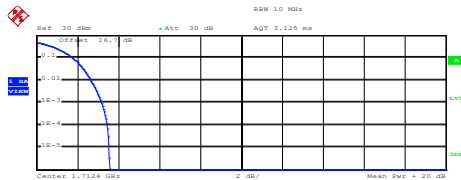

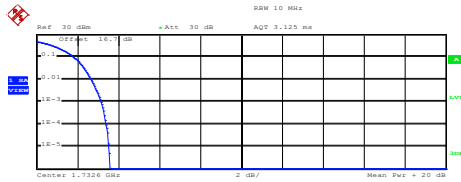
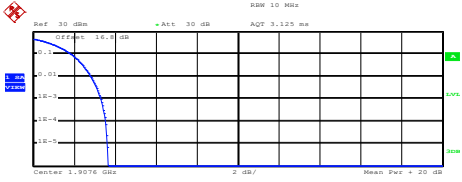
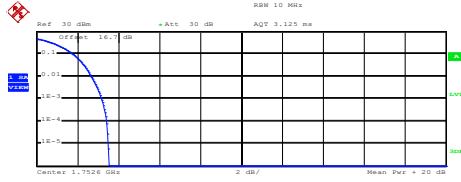


### A3. WCDMA

#### Peak-to-Average Ratio

Mode	WCDMA Band II	WCDMA Band IV	Limit: 13dB
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	Result
Lowest CH	3.40	3.20	PASS
Middle CH	3.24	3.16	
Highest CH	3.32	3.20	



WCDMA Band II (RMC 12.2Kbps)	WCDMA Band IV (RMC 12.2Kbps)																
<p style="text-align: center;"><b>Lowest Channel</b></p>  <p>Center: 1.9324 GHz    2 dB/    Mean Pwr = 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 22.28 dBm Peak 26.23 dBm Crest 3.95 dB</p> <table border="1"> <tr><td>10 %</td><td>1.88 dB</td></tr> <tr><td>1 %</td><td>2.84 dB</td></tr> <tr><td>.1 %</td><td>3.40 dB</td></tr> <tr><td>.01 %</td><td>3.72 dB</td></tr> </table> <p>Date: 18.SEP.2023 16:18:00</p>	10 %	1.88 dB	1 %	2.84 dB	.1 %	3.40 dB	.01 %	3.72 dB	<p style="text-align: center;"><b>Lowest Channel</b></p>  <p>Center: 1.7324 GHz    2 dB/    Mean Pwr = 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 22.46 dBm Peak 26.02 dBm Crest 3.56 dB</p> <table border="1"> <tr><td>10 %</td><td>1.76 dB</td></tr> <tr><td>1 %</td><td>2.64 dB</td></tr> <tr><td>.1 %</td><td>3.20 dB</td></tr> <tr><td>.01 %</td><td>3.44 dB</td></tr> </table> <p>Date: 18.SEP.2023 16:57:12</p>	10 %	1.76 dB	1 %	2.64 dB	.1 %	3.20 dB	.01 %	3.44 dB
10 %	1.88 dB																
1 %	2.84 dB																
.1 %	3.40 dB																
.01 %	3.72 dB																
10 %	1.76 dB																
1 %	2.64 dB																
.1 %	3.20 dB																
.01 %	3.44 dB																
<p style="text-align: center;"><b>Middle Channel</b></p>  <p>Center: 1.88 GHz    2 dB/    Mean Pwr = 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 22.53 dBm Peak 26.23 dBm Crest 3.70 dB</p> <table border="1"> <tr><td>10 %</td><td>1.84 dB</td></tr> <tr><td>1 %</td><td>2.72 dB</td></tr> <tr><td>.1 %</td><td>3.24 dB</td></tr> <tr><td>.01 %</td><td>3.52 dB</td></tr> </table> <p>Date: 18.SEP.2023 16:18:18</p>	10 %	1.84 dB	1 %	2.72 dB	.1 %	3.24 dB	.01 %	3.52 dB	<p style="text-align: center;"><b>Middle Channel</b></p>  <p>Center: 1.7326 GHz    2 dB/    Mean Pwr = 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 22.57 dBm Peak 26.16 dBm Crest 3.59 dB</p> <table border="1"> <tr><td>10 %</td><td>1.80 dB</td></tr> <tr><td>1 %</td><td>2.68 dB</td></tr> <tr><td>.1 %</td><td>3.16 dB</td></tr> <tr><td>.01 %</td><td>3.40 dB</td></tr> </table> <p>Date: 18.SEP.2023 16:57:32</p>	10 %	1.80 dB	1 %	2.68 dB	.1 %	3.16 dB	.01 %	3.40 dB
10 %	1.84 dB																
1 %	2.72 dB																
.1 %	3.24 dB																
.01 %	3.52 dB																
10 %	1.80 dB																
1 %	2.68 dB																
.1 %	3.16 dB																
.01 %	3.40 dB																
<p style="text-align: center;"><b>Highest Channel</b></p>  <p>Center: 1.9376 GHz    2 dB/    Mean Pwr = 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 22.30 dBm Peak 25.95 dBm Crest 3.65 dB</p> <table border="1"> <tr><td>10 %</td><td>1.88 dB</td></tr> <tr><td>1 %</td><td>2.80 dB</td></tr> <tr><td>.1 %</td><td>3.32 dB</td></tr> <tr><td>.01 %</td><td>3.56 dB</td></tr> </table> <p>Date: 18.SEP.2023 16:18:39</p>	10 %	1.88 dB	1 %	2.80 dB	.1 %	3.32 dB	.01 %	3.56 dB	<p style="text-align: center;"><b>Highest Channel</b></p>  <p>Center: 1.7326 GHz    2 dB/    Mean Pwr = 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 22.49 dBm Peak 26.02 dBm Crest 3.52 dB</p> <table border="1"> <tr><td>10 %</td><td>1.80 dB</td></tr> <tr><td>1 %</td><td>2.68 dB</td></tr> <tr><td>.1 %</td><td>3.20 dB</td></tr> <tr><td>.01 %</td><td>3.44 dB</td></tr> </table> <p>Date: 18.SEP.2023 16:57:52</p>	10 %	1.80 dB	1 %	2.68 dB	.1 %	3.20 dB	.01 %	3.44 dB
10 %	1.88 dB																
1 %	2.80 dB																
.1 %	3.32 dB																
.01 %	3.56 dB																
10 %	1.80 dB																
1 %	2.68 dB																
.1 %	3.20 dB																
.01 %	3.44 dB																



**26dB Bandwidth**

Mode	WCDMA Band II 26dB BW(MHz)	WCDMA Band IV 26dB BW(MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.74	4.77
Middle CH	4.75	4.75
Highest CH	4.75	4.75



WCDMA Band II (RMC 12.2Kbps)	WCDMA Band IV (RMC 12.2Kbps)
<p style="text-align: center;"><b>Lowest Channel</b></p> <p>Date: 18.SEP.2023 16:02:13</p>	<p style="text-align: center;"><b>Lowest Channel</b></p> <p>Date: 18.SEP.2023 16:22:19</p>
<p style="text-align: center;"><b>Middle Channel</b></p> <p>Date: 18.SEP.2023 16:02:59</p>	<p style="text-align: center;"><b>Middle Channel</b></p> <p>Date: 18.SEP.2023 16:23:17</p>
<p style="text-align: center;"><b>Highest Channel</b></p> <p>Date: 18.SEP.2023 16:03:50</p>	<p style="text-align: center;"><b>Highest Channel</b></p> <p>Date: 18.SEP.2023 16:24:02</p>





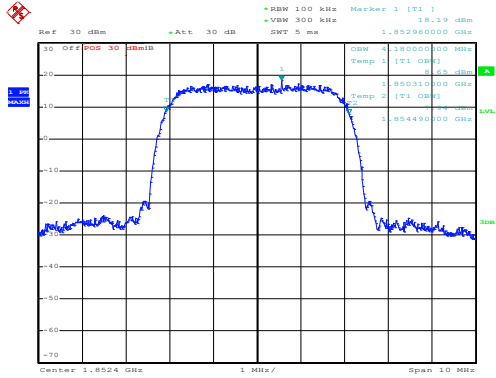
### Occupied Bandwidth

Mode	WCDMA Band II 99%OBW(MHz)	WCDMA Band IV 99%OBW(MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.18	4.18
Middle CH	4.18	4.19
Highest CH	4.18	4.17



WCDMA Band II (RMC 12.2Kbps)

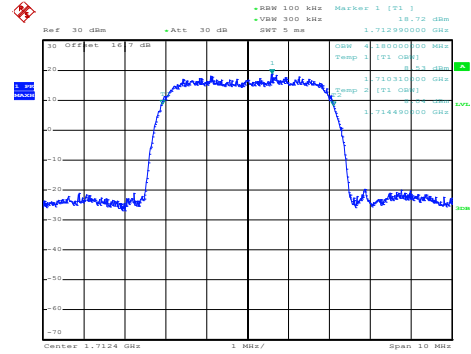
Lowest Channel



Date: 18.SEP.2023 16:05:03

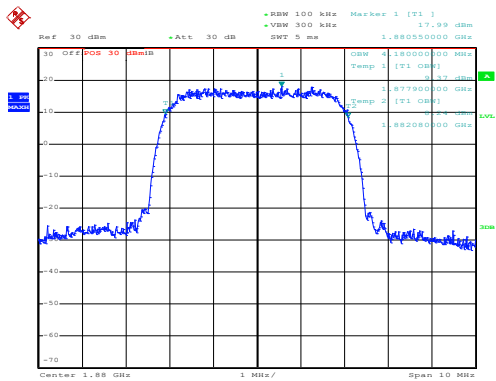
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



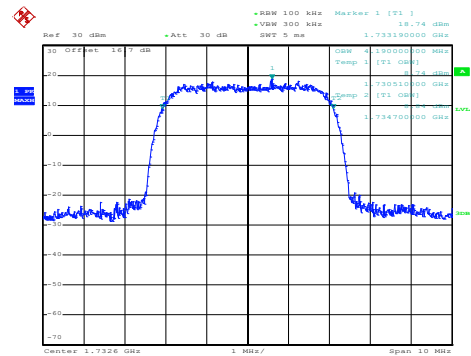
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Middle Channel



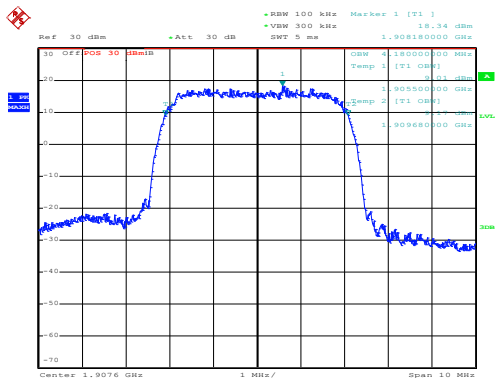
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Middle Channel



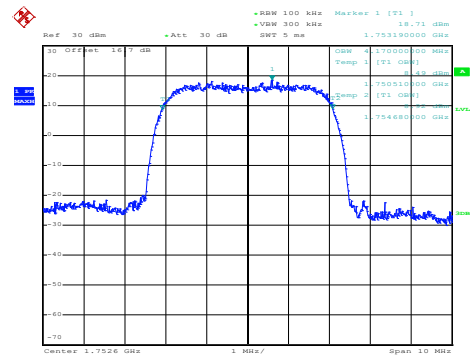
Date: 18.SEP.2023 16:41:10

Highest Channel



Date: 18.SEP.2023 16:06:25

Highest Channel



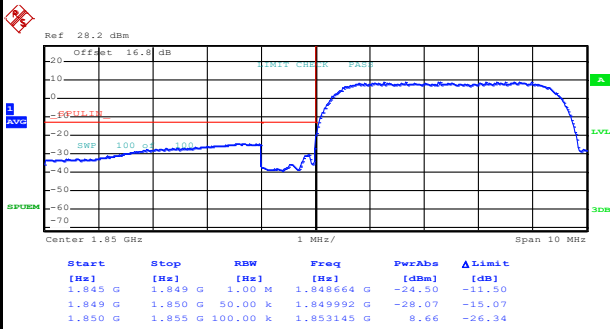
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# Conducted Band Edge

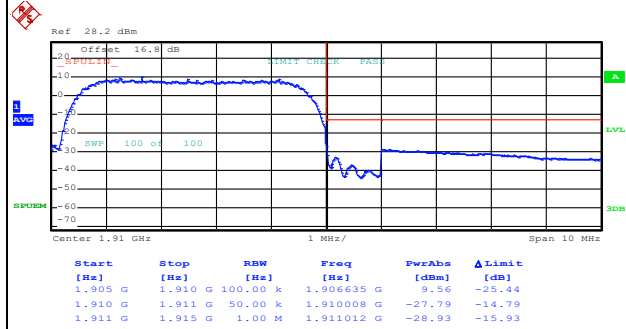
## WCDMA Band II (RMC 12.2Kbps)

### Lowest Band Edge



Date: 18.SEP.2023 16:09:48

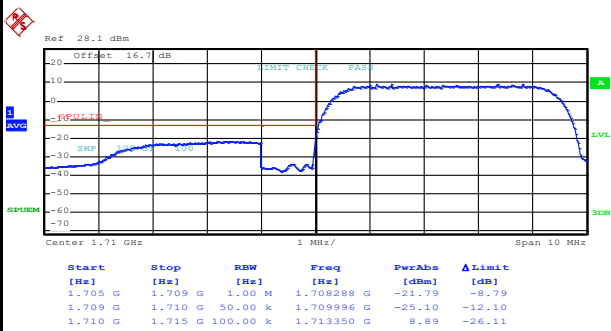
### Highest Band Edge



Date: 18.SEP.2023 16:12:45

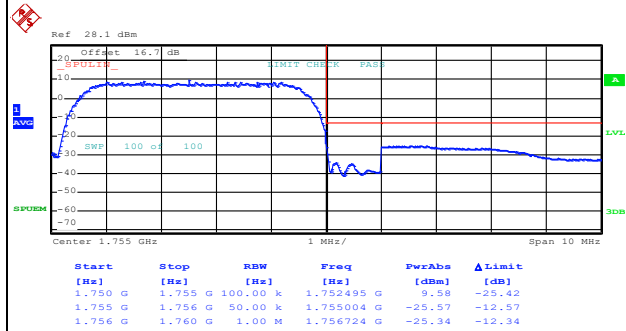
## WCDMA Band IV (RMC 12.2Kbps)

### Lowest Band Edge



Date: 18.SEP.2023 16:45:20

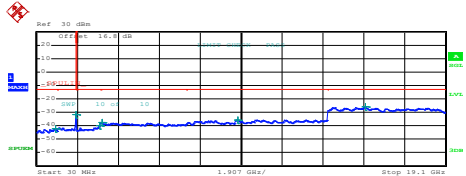
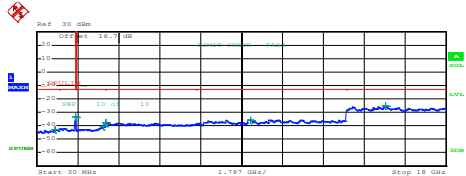
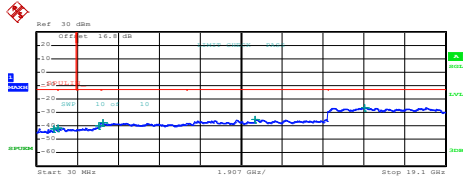
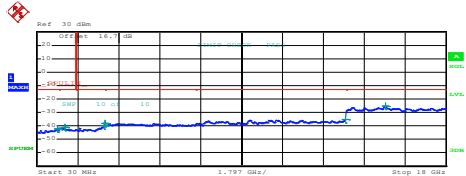
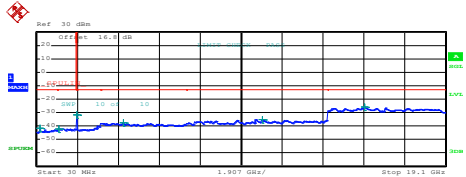
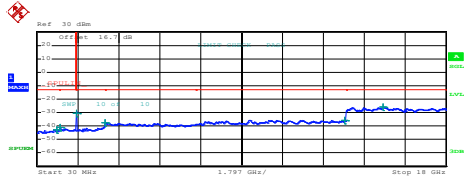
### Highest Band Edge



Date: 18.SEP.2023 16:48:15



# Conducted Spurious Emission

WCDMA Band II (RMC 12.2Kbps)	WCDMA Band IV (RMC 12.2Kbps)																																																																																				
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Frequency Stability

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0053	PASS
40	Normal Voltage	0.0064	
30	Normal Voltage	0.0037	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0069	
-10	Normal Voltage	0.0048	
-20	Normal Voltage	0.0037	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0048	
20	Normal Voltage	0.0032	
20	Battery End Point	0.0059	

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0029	PASS
40	Normal Voltage	0.0046	
30	Normal Voltage	0.0035	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0040	
0	Normal Voltage	0.0110	
-10	Normal Voltage	0.0173	
-20	Normal Voltage	0.0202	
-30	Normal Voltage	0.0127	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.48 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



## Appendix B. Test Results of Radiated Test

### B1. Summary of each worse mode

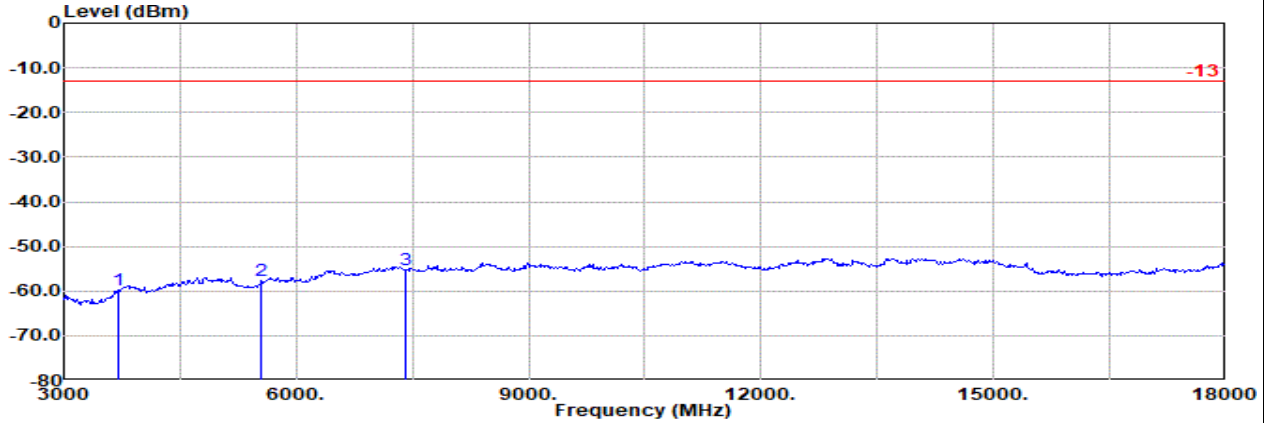
Part	Mode	Ch	Freq (MHz)	Level (dBm)	Detector	Ant Factor (dB/m)	Amp\Cbl (dB)	Filter (dB)	EIRP CF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
24	1	L	7401.000	-55.17	RMS	36.90	-20.33	0.42	-95.23	23.07	-13.00	-42.17	H	Tx0Rx0
24	2	L	7401.000	-54.94	RMS	36.90	-20.33	0.42	-95.23	23.30	-13.00	-41.94	V	Tx1Rx1
24	3	L	5557.000	-49.55	RMS	33.00	-20.60	0.73	-95.23	32.55	-13.00	-36.55	H	Tx0Rx0
24	4	L	7410.000	-55.24	RMS	36.90	-20.33	0.42	-95.23	23.00	-13.00	-42.24	H	Tx1Rx1
27	1	L	5137.000	-49.42	RMS	32.60	-20.22	0.40	-95.23	33.03	-13.00	-36.42	V	Tx0Rx0
27	2	L	5137.000	-54.72	RMS	32.60	-20.22	0.40	-95.23	27.73	-13.00	-41.72	H	Tx1Rx1



Tx0Rx0

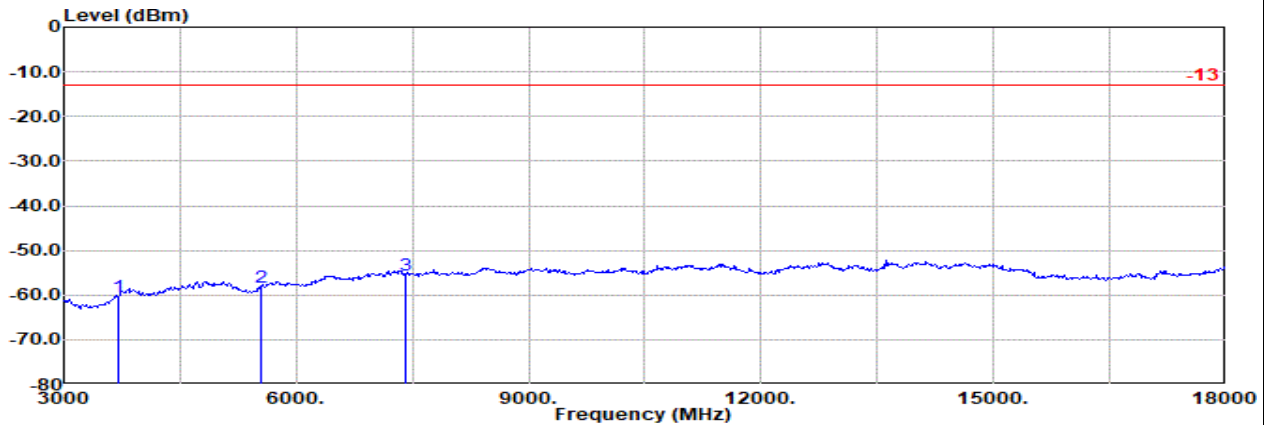
Part 24 Mode 1  
GSM 1900 10M Ch512

L



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
 : GSM 1900 Ch512

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3700.00	-59.72	RMS	29.80	-22.07	0.85	-95.23	26.93	-13.00	-46.72	Horizontal	
2	5551.00	-57.77	RMS	33.00	-20.60	0.73	-95.23	24.33	-13.00	-44.77	Horizontal	
3	7401.00	-55.17	RMS	36.90	-20.33	0.42	-95.23	23.07	-13.00	-42.17	Horizontal	



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
 : GSM 1900 Ch512

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3700.00	-60.38	RMS	29.80	-22.07	0.85	-95.23	26.27	-13.00	-47.38	Vertical	
2	5551.00	-58.32	RMS	33.00	-20.60	0.73	-95.23	23.78	-13.00	-45.32	Vertical	
3	7401.00	-55.44	RMS	36.90	-20.33	0.42	-95.23	22.80	-13.00	-42.44	Vertical	

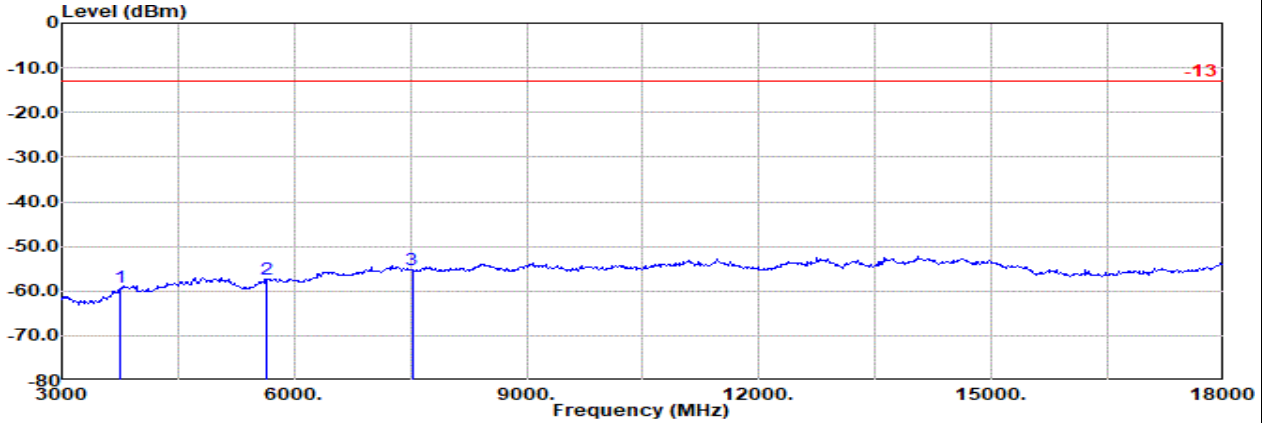


Tx0Rx0

Part 24 Mode 1

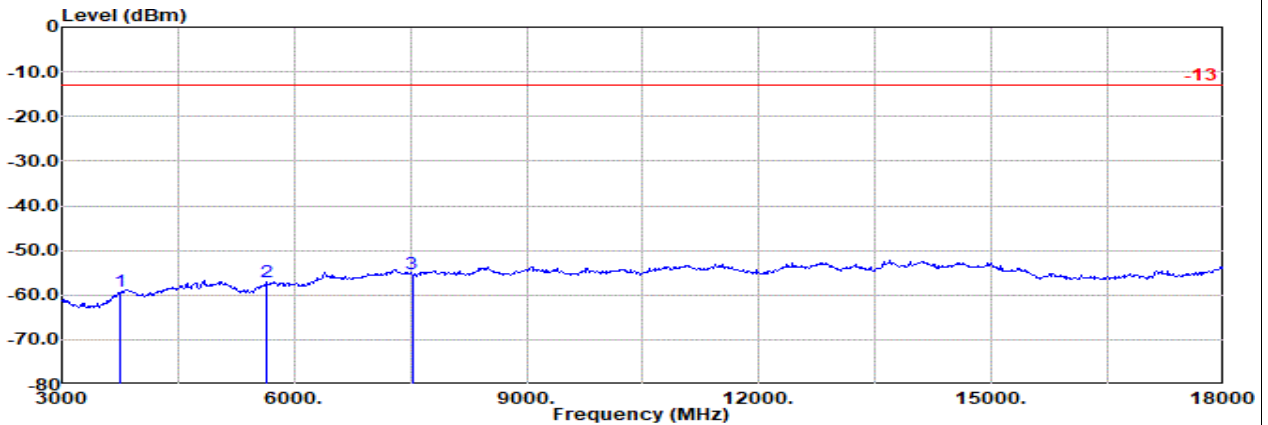
GSM 1900 10M Ch661

M



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
 : GSM 1900 Ch661

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3760.00	-59.09	RMS	30.24	-21.97	0.84	-95.23	27.03	-13.00	-46.09	Horizontal	
2	5640.00	-57.33	RMS	33.24	-20.64	0.73	-95.23	24.57	-13.00	-44.33	Horizontal	
3	7520.00	-55.36	RMS	36.76	-20.30	0.38	-95.23	23.03	-13.00	-42.36	Horizontal	



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
 : GSM 1900 Ch661

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3760.00	-59.20	RMS	30.24	-21.97	0.84	-95.23	26.92	-13.00	-46.20	Vertical	
2	5640.00	-57.20	RMS	33.24	-20.64	0.73	-95.23	24.70	-13.00	-44.20	Vertical	
3	7520.00	-55.28	RMS	36.76	-20.30	0.38	-95.23	23.11	-13.00	-42.28	Vertical	



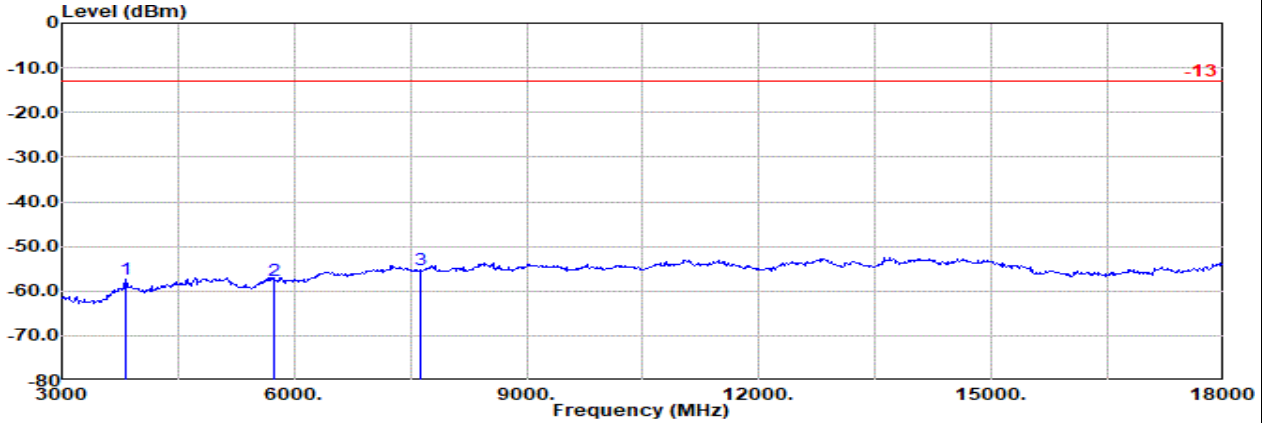


Tx0Rx0

Part 24 Mode 1

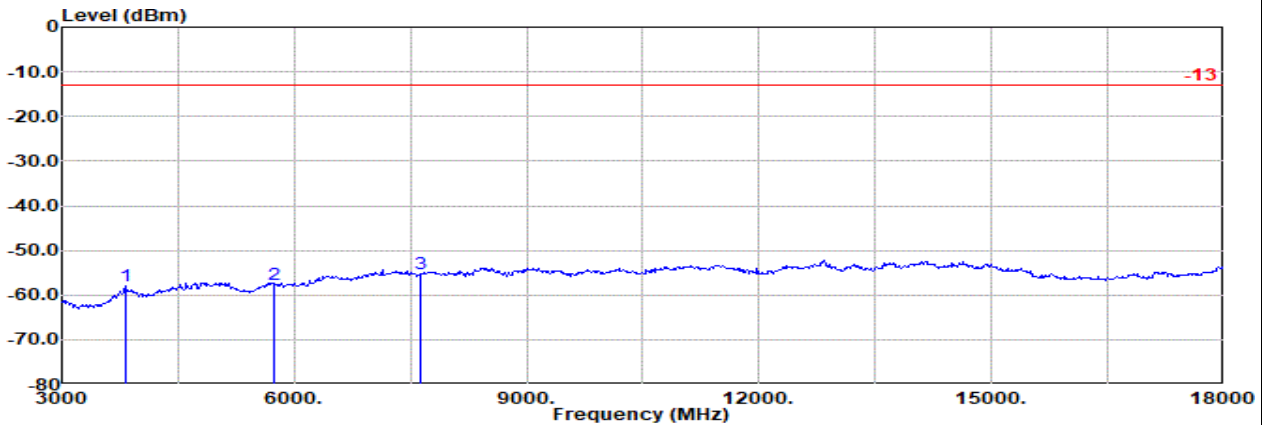
GSM 1900 10M Ch810

H



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
 : GSM 1900 Ch810

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3820.00	-57.23	RMS	30.52	-21.86	0.82	-95.23	28.52	-13.00	-44.23	Horizontal	
2	5729.00	-57.56	RMS	33.72	-20.68	0.68	-95.23	23.95	-13.00	-44.56	Horizontal	
3	7639.00	-55.27	RMS	36.72	-20.23	0.37	-95.23	23.10	-13.00	-42.27	Horizontal	



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
 : GSM 1900 Ch810

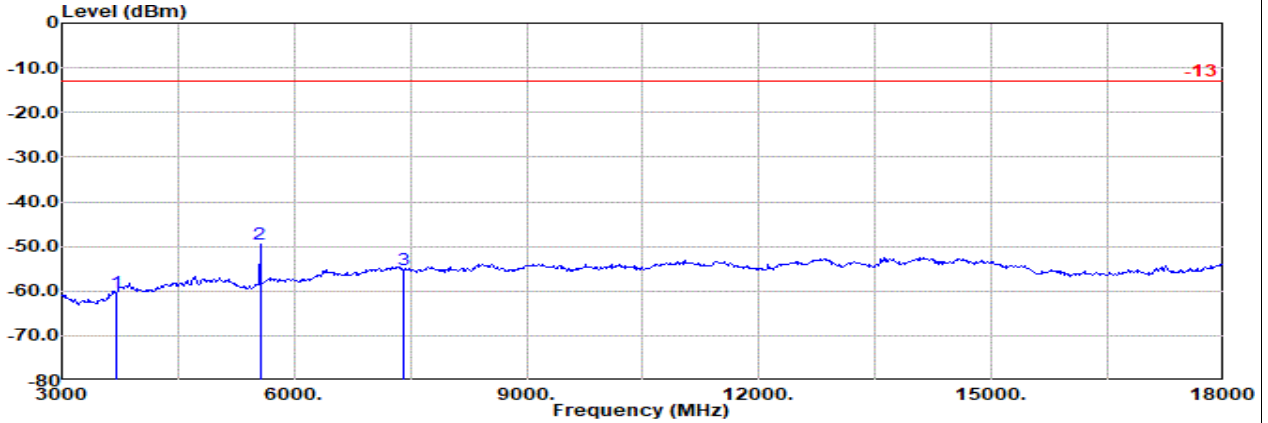
	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3820.00	-57.83	RMS	30.52	-21.86	0.82	-95.23	27.92	-13.00	-44.83	Vertical	
2	5729.00	-57.53	RMS	33.72	-20.68	0.68	-95.23	23.98	-13.00	-44.53	Vertical	
3	7639.00	-55.35	RMS	36.72	-20.23	0.37	-95.23	23.02	-13.00	-42.35	Vertical	



Tx0Rx0

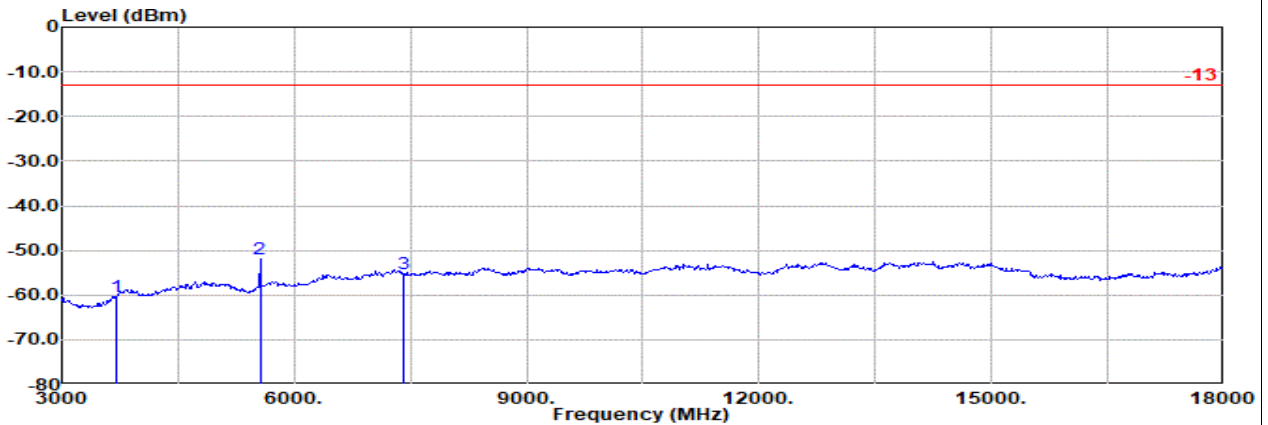
Part 24 Mode 3  
WCDMA B2 10M Ch9262

L



Site : 03CH21-HY  
Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
: WCDMA 1900 Ch9262

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3705.00	-60.27	RMS	29.84	-22.07	0.85	-95.23	26.34	-13.00	-47.27	Horizontal
2	5557.00	-49.55	RMS	33.00	-20.60	0.73	-95.23	32.55	-13.00	-36.55	Horizontal
3	7410.00	-55.34	RMS	36.90	-20.33	0.42	-95.23	22.90	-13.00	-42.34	Horizontal



Site : 03CH21-HY  
Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
: WCDMA 1900 Ch9262

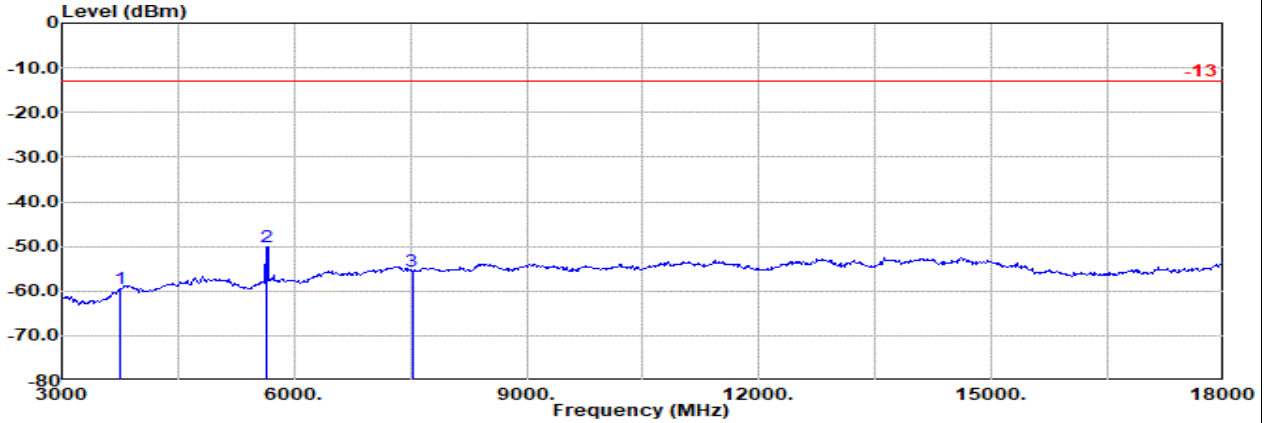
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3705.00	-60.40	RMS	29.84	-22.07	0.85	-95.23	26.21	-13.00	-47.40	Vertical
2	5557.00	-51.97	RMS	33.00	-20.60	0.73	-95.23	30.13	-13.00	-38.97	Vertical
3	7410.00	-55.18	RMS	36.90	-20.33	0.42	-95.23	23.06	-13.00	-42.18	Vertical



Tx0Rx0

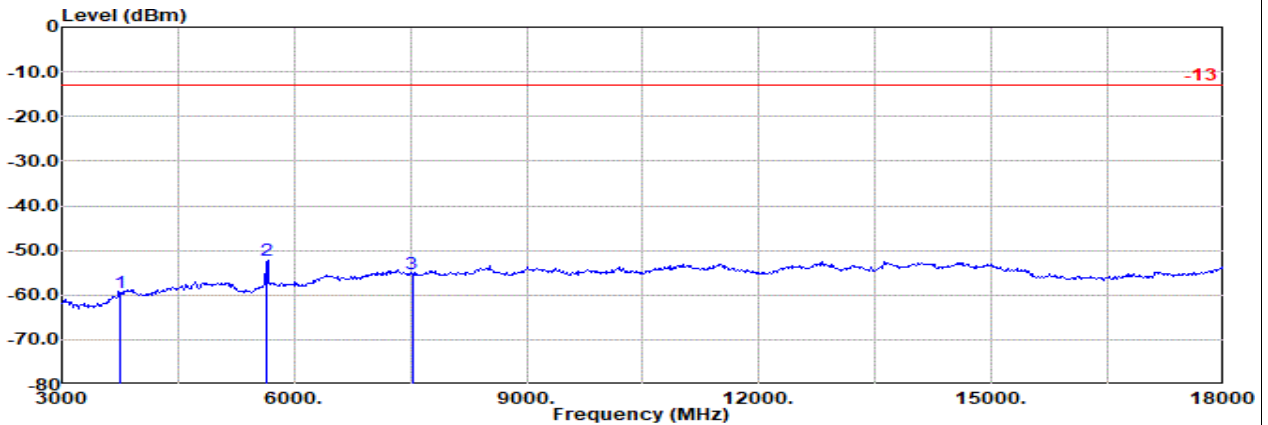
Part 24 Mode 3  
WCDMA B2 10M Ch9400

M



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
 : WCDMA 1900 Ch9400

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3760.00	-59.36	RMS	30.24	-21.97	0.84	-95.23	26.76	-13.00	-46.36	Horizontal
2	5640.00	-50.12	RMS	33.24	-20.64	0.73	-95.23	31.78	-13.00	-37.12	Horizontal
3	7520.00	-55.42	RMS	36.76	-20.30	0.38	-95.23	22.97	-13.00	-42.42	Horizontal



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
 : WCDMA 1900 Ch9400

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3760.00	-59.45	RMS	30.24	-21.97	0.84	-95.23	26.67	-13.00	-46.45	Vertical
2	5640.00	-52.15	RMS	33.24	-20.64	0.73	-95.23	29.75	-13.00	-39.15	Vertical
3	7520.00	-55.30	RMS	36.76	-20.30	0.38	-95.23	23.09	-13.00	-42.30	Vertical

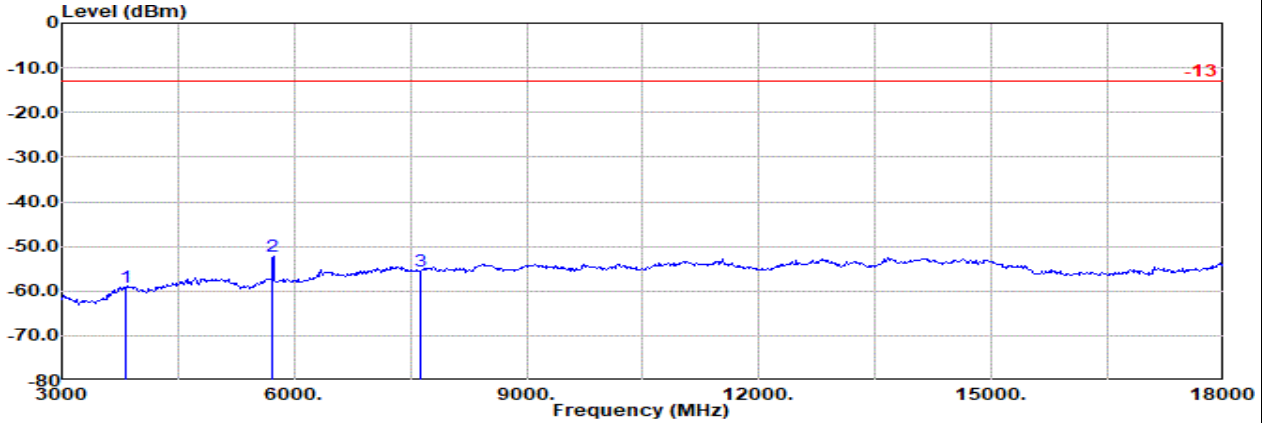


Tx0Rx0

Part 24 Mode 3

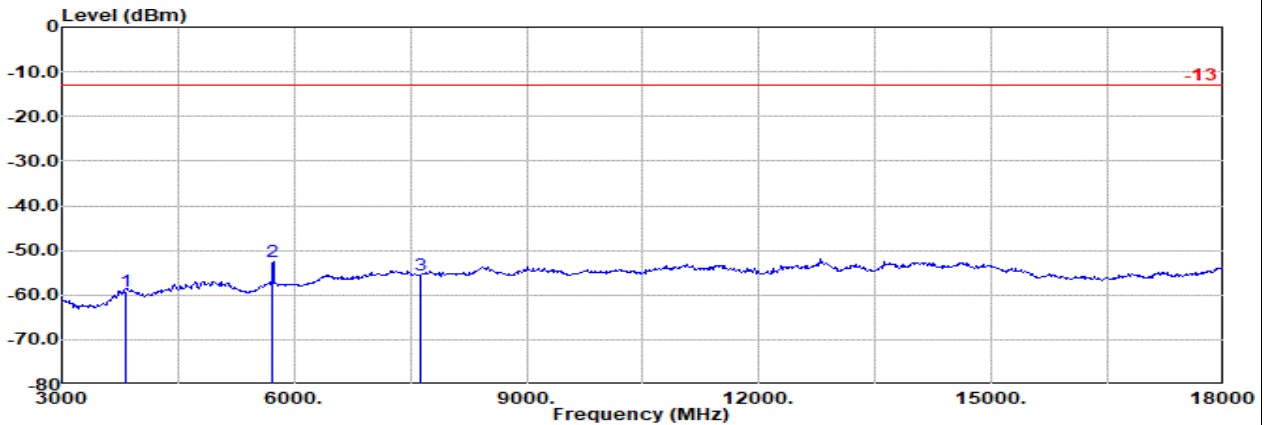
WCDMA B2 10M Ch9538

H



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
 : WCDMA 1900 Ch9538

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3815.00	-59.09	RMS	30.49	-21.87	0.82	-95.23	26.70	-13.00	-46.09	Horizontal	
2	5723.00	-52.32	RMS	33.69	-20.67	0.68	-95.23	29.21	-13.00	-39.32	Horizontal	
3	7630.00	-55.45	RMS	36.74	-20.25	0.37	-95.23	22.92	-13.00	-42.45	Horizontal	



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
 : WCDMA 1900 Ch9538

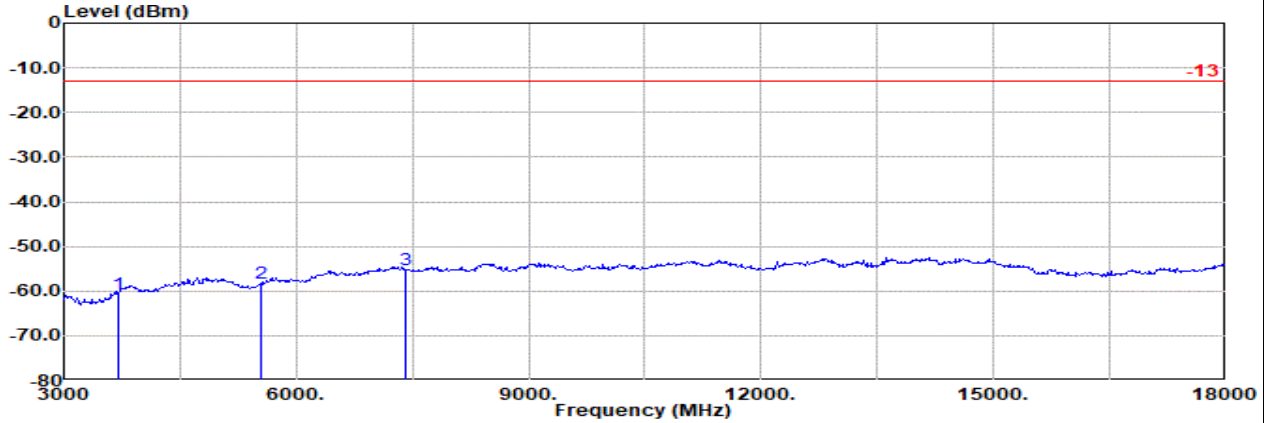
	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3815.00	-59.16	RMS	30.49	-21.87	0.82	-95.23	26.63	-13.00	-46.16	Vertical	
2	5723.00	-52.64	RMS	33.69	-20.67	0.68	-95.23	28.89	-13.00	-39.64	Vertical	
3	7630.00	-55.61	RMS	36.74	-20.25	0.37	-95.23	22.76	-13.00	-42.61	Vertical	



Tx1Rx1

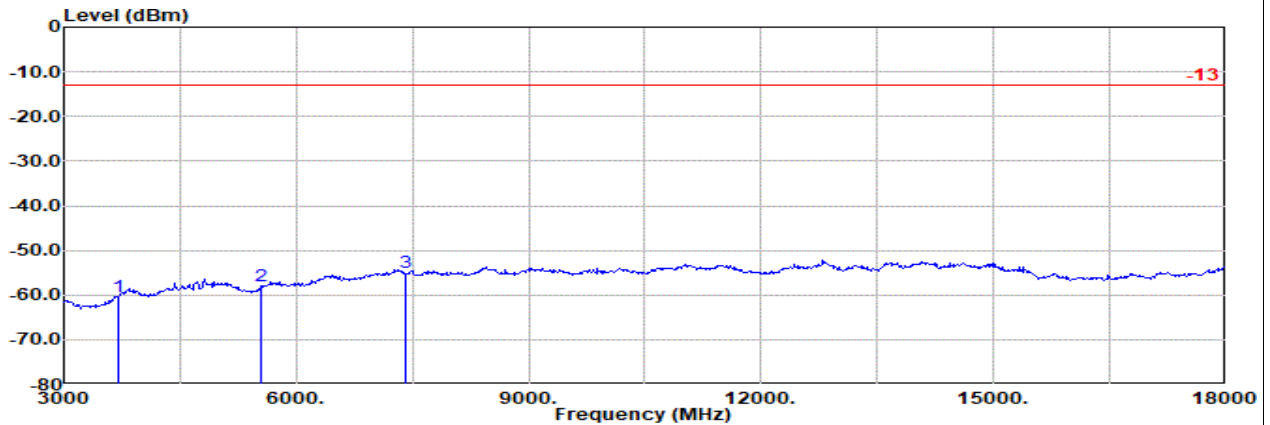
Part 24 Mode 2  
GSM 1900 10M Ch512

L



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
 : GSM 1900 Ch512

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3700.00	-60.55	RMS	29.80	-22.07	0.85	-95.23	26.10	-13.00	-47.55	Horizontal	
2	5551.00	-58.16	RMS	33.00	-20.60	0.73	-95.23	23.94	-13.00	-45.16	Horizontal	
3	7401.00	-55.32	RMS	36.90	-20.33	0.42	-95.23	22.92	-13.00	-42.32	Horizontal	



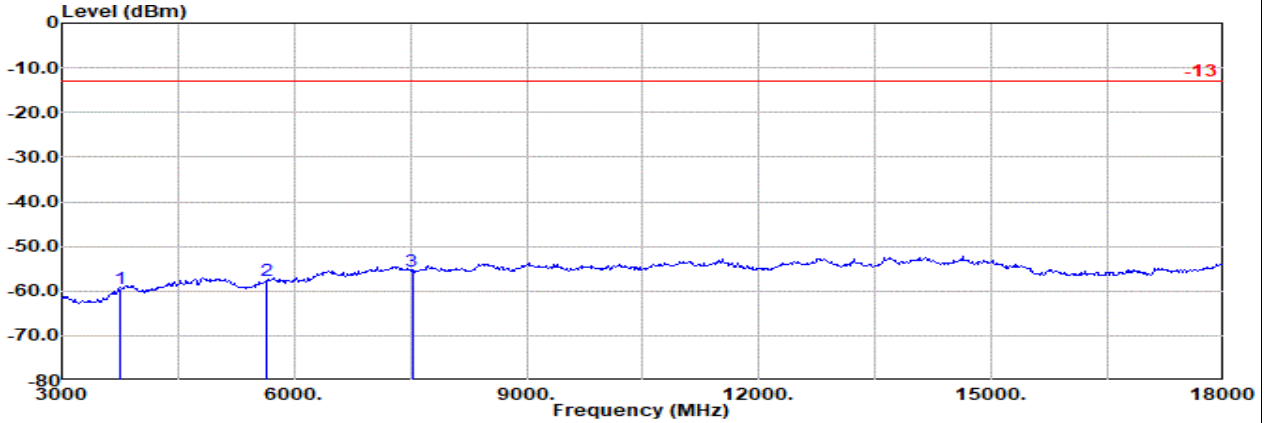
Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
 : GSM 1900 Ch512

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3700.00	-60.52	RMS	29.80	-22.07	0.85	-95.23	26.13	-13.00	-47.52	Vertical	
2	5551.00	-58.06	RMS	33.00	-20.60	0.73	-95.23	24.04	-13.00	-45.06	Vertical	
3	7401.00	-54.94	RMS	36.90	-20.33	0.42	-95.23	23.30	-13.00	-41.94	Vertical	



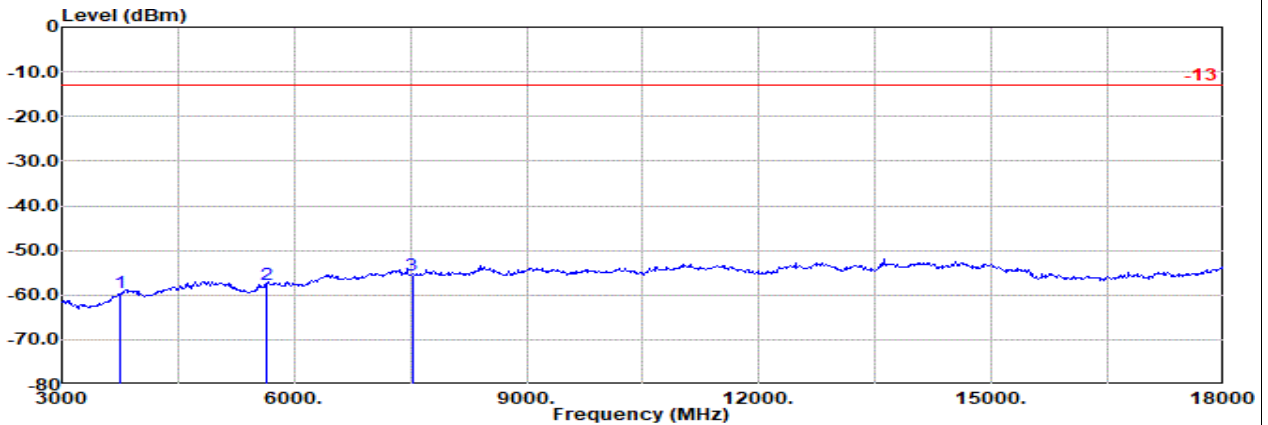
Tx1Rx1

Part 24 Mode 2  
GSM 1900 10M Ch661  
M



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
 : GSM 1900 Ch661

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3760.00	-59.52	RMS	30.24	-21.97	0.84	-95.23	26.60	-13.00	-46.52	Horizontal	
2	5640.00	-57.65	RMS	33.24	-20.64	0.73	-95.23	24.25	-13.00	-44.65	Horizontal	
3	7520.00	-55.50	RMS	36.76	-20.30	0.38	-95.23	22.89	-13.00	-42.50	Horizontal	



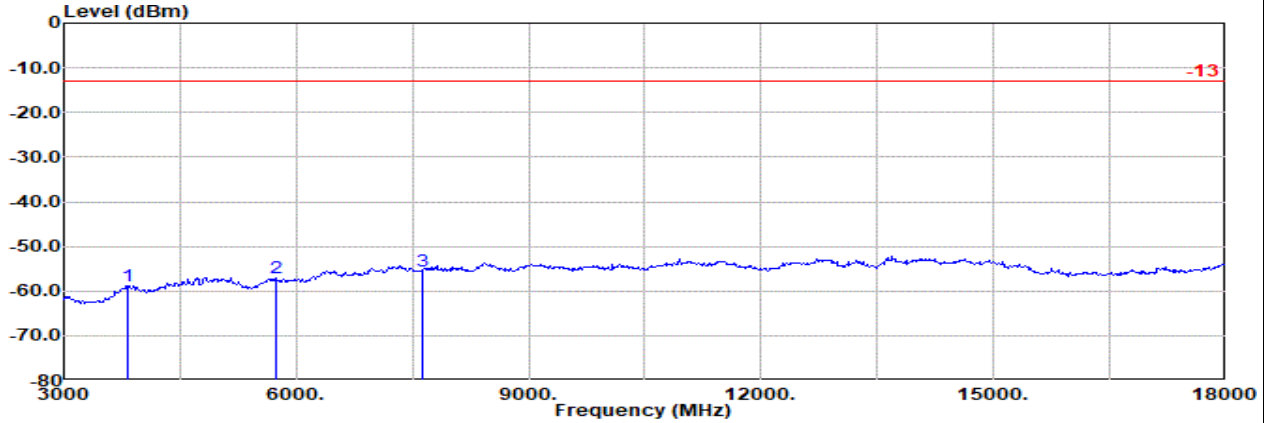
Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
 : GSM 1900 Ch661

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3760.00	-59.62	RMS	30.24	-21.97	0.84	-95.23	26.50	-13.00	-46.62	Vertical	
2	5640.00	-57.71	RMS	33.24	-20.64	0.73	-95.23	24.19	-13.00	-44.71	Vertical	
3	7520.00	-55.60	RMS	36.76	-20.30	0.38	-95.23	22.79	-13.00	-42.60	Vertical	



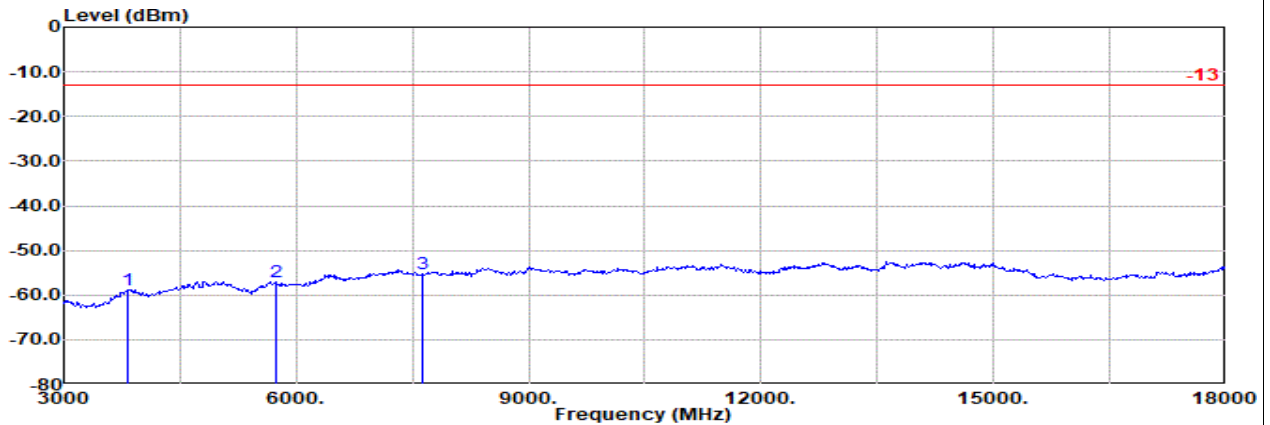
Tx1Rx1

Part 24 Mode 2  
GSM 1900 10M Ch810  
H



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
 : GSM 1900 Ch810

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3820.00	-58.78	RMS	30.52	-21.86	0.82	-95.23	26.97	-13.00	-45.78	Horizontal
2	5729.00	-57.20	RMS	33.72	-20.68	0.68	-95.23	24.31	-13.00	-44.20	Horizontal
3	7639.00	-55.43	RMS	36.72	-20.23	0.37	-95.23	22.94	-13.00	-42.43	Horizontal



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
 : GSM 1900 Ch810

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3820.00	-58.80	RMS	30.52	-21.86	0.82	-95.23	26.95	-13.00	-45.80	Vertical
2	5729.00	-56.92	RMS	33.72	-20.68	0.68	-95.23	24.59	-13.00	-43.92	Vertical
3	7639.00	-55.19	RMS	36.72	-20.23	0.37	-95.23	23.18	-13.00	-42.19	Vertical

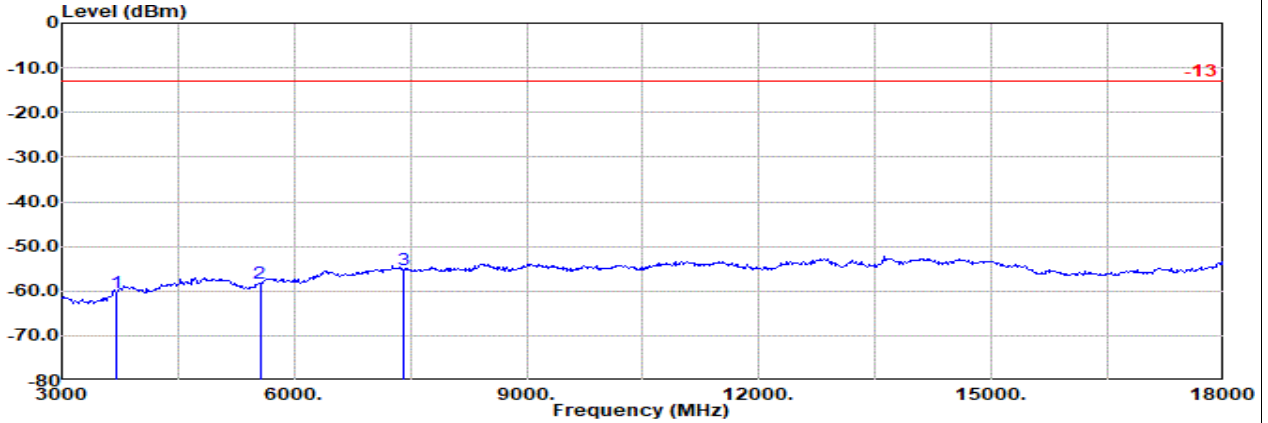


Tx1Rx1

Part 24 Mode 4

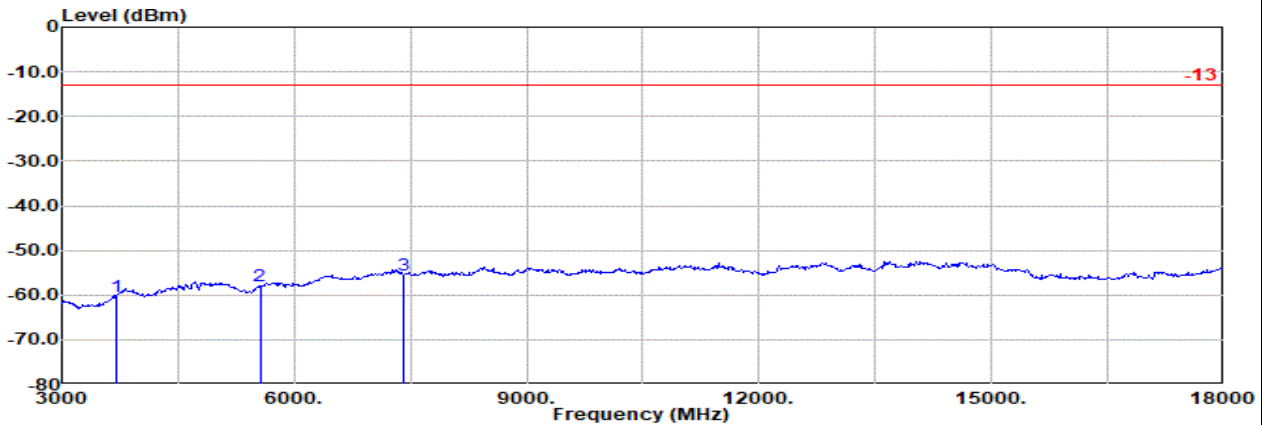
WCDMA B2 10M Ch9262

L



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
 : WCDMA 1900 Ch9262

	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3705.00	-60.48	RMS	29.84	-22.07		0.85	-95.23	26.13	-13.00	-47.48	Horizontal
2	5557.00	-58.12	RMS	33.00	-20.60		0.73	-95.23	23.98	-13.00	-45.12	Horizontal
3	7410.00	-55.24	RMS	36.90	-20.33		0.42	-95.23	23.00	-13.00	-42.24	Horizontal



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
 : WCDMA 1900 Ch9262

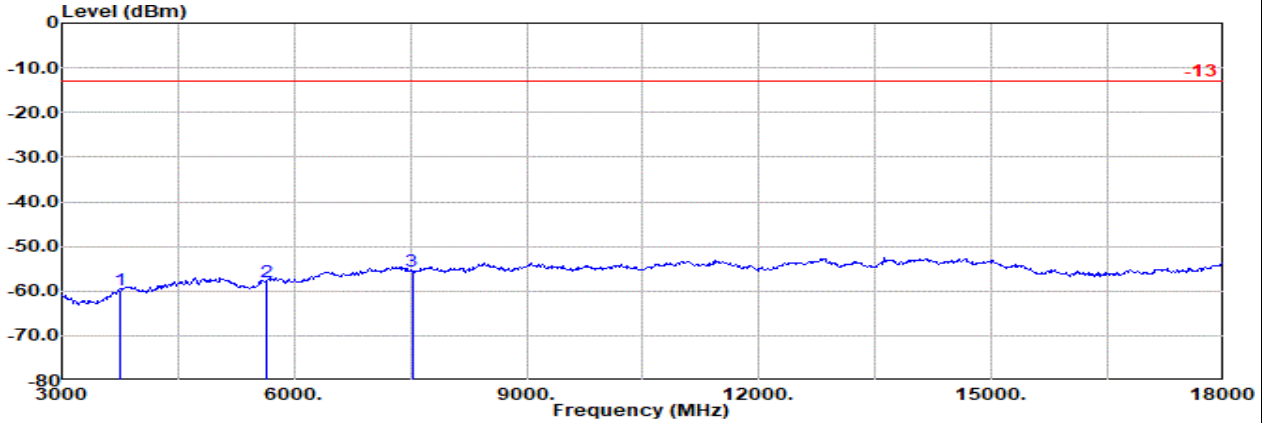
	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3705.00	-60.34	RMS	29.84	-22.07		0.85	-95.23	26.27	-13.00	-47.34	Vertical
2	5557.00	-57.89	RMS	33.00	-20.60		0.73	-95.23	24.21	-13.00	-44.89	Vertical
3	7410.00	-55.42	RMS	36.90	-20.33		0.42	-95.23	22.82	-13.00	-42.42	Vertical





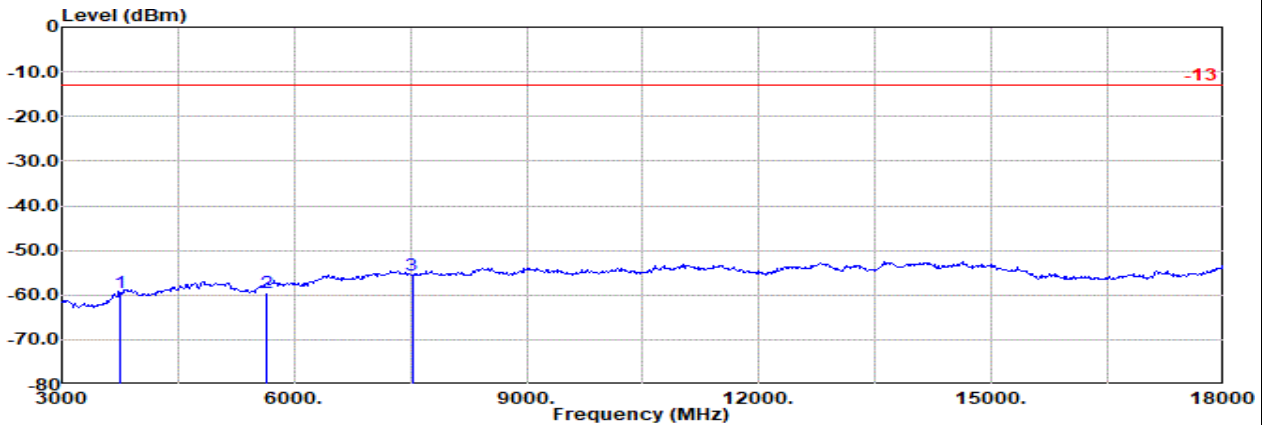
Tx1Rx1

Part 24 Mode 4  
WCDMA B2 10M Ch9400  
M



Site : 03CH21-HY  
Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
: WCDMA 1900 Ch9400

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3760.00	-59.71	RMS	30.24	-21.97	0.84	-95.23	26.41	-13.00	-46.71	Horizontal	
2	5640.00	-57.85	RMS	33.24	-20.64	0.73	-95.23	24.05	-13.00	-44.85	Horizontal	
3	7520.00	-55.46	RMS	36.76	-20.30	0.38	-95.23	22.93	-13.00	-42.46	Horizontal	



Site : 03CH21-HY  
Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
: WCDMA 1900 Ch9400

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3760.00	-59.60	RMS	30.24	-21.97	0.84	-95.23	26.52	-13.00	-46.60	Vertical	
2	5640.00	-59.60	RMS	33.24	-20.64	0.73	-95.23	22.30	-13.00	-46.60	Vertical	
3	7520.00	-55.54	RMS	36.76	-20.30	0.38	-95.23	22.85	-13.00	-42.54	Vertical	

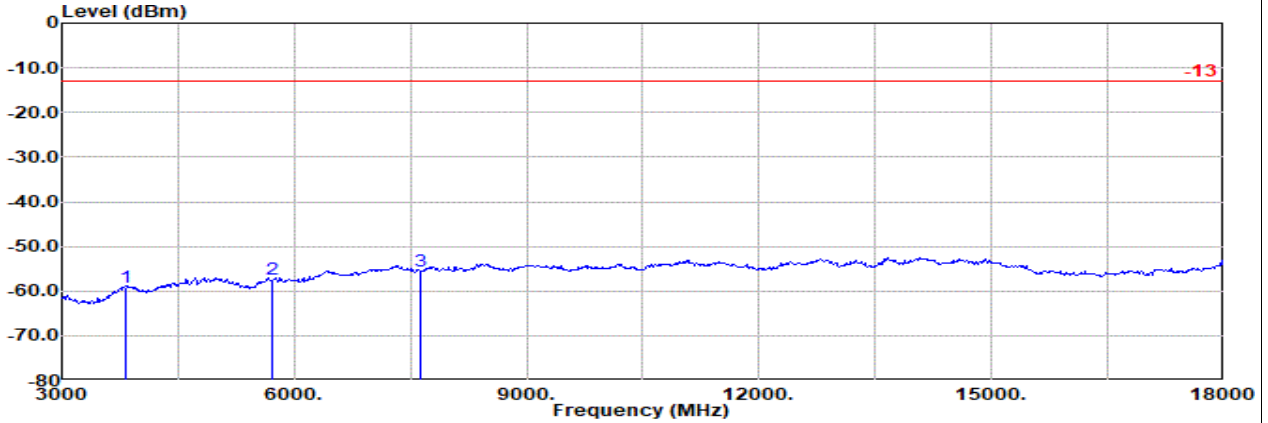


Tx1Rx1

Part 24 Mode 4

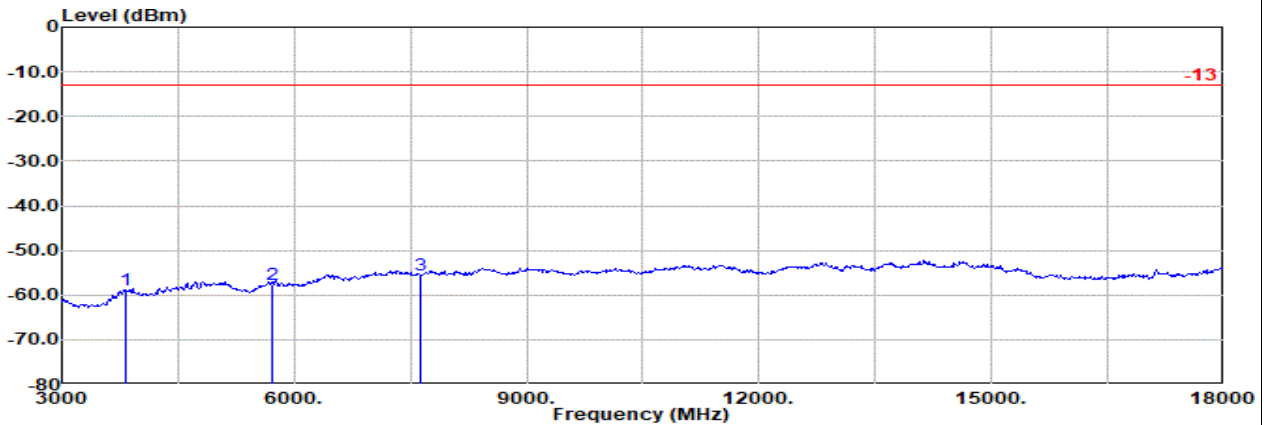
WCDMA B2 10M Ch9538

H



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
 : WCDMA 1900 Ch9538

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3815.00	-59.11	RMS	30.49	-21.87	0.82	-95.23	26.68	-13.00	-46.11	Horizontal	
2	5723.00	-57.36	RMS	33.69	-20.67	0.68	-95.23	24.17	-13.00	-44.36	Horizontal	
3	7630.00	-55.64	RMS	36.74	-20.25	0.37	-95.23	22.73	-13.00	-42.64	Horizontal	



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
 : WCDMA 1900 Ch9538

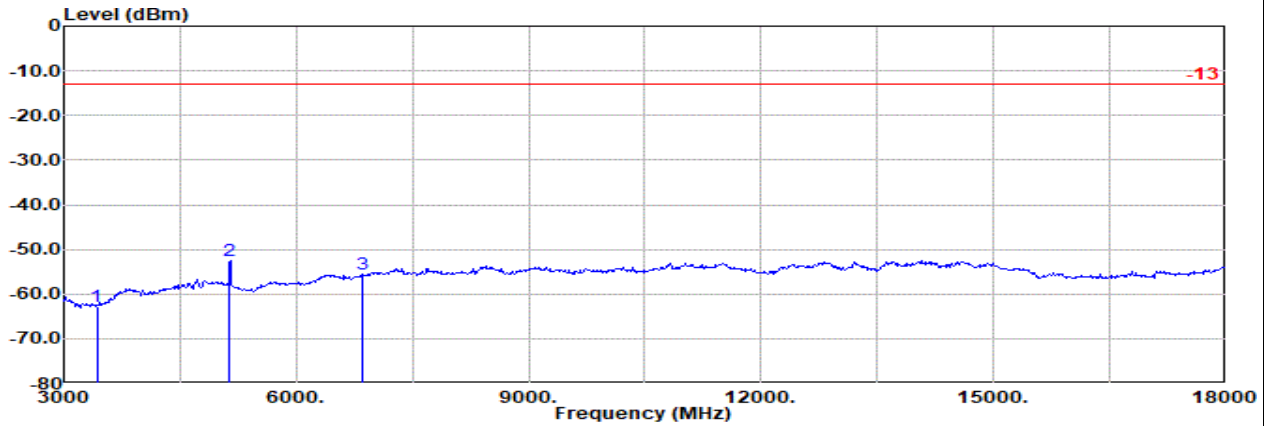
	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3815.00	-58.83	RMS	30.49	-21.87	0.82	-95.23	26.96	-13.00	-45.83	Vertical	
2	5723.00	-57.61	RMS	33.69	-20.67	0.68	-95.23	23.92	-13.00	-44.61	Vertical	
3	7630.00	-55.57	RMS	36.74	-20.25	0.37	-95.23	22.80	-13.00	-42.57	Vertical	



Tx0Rx0

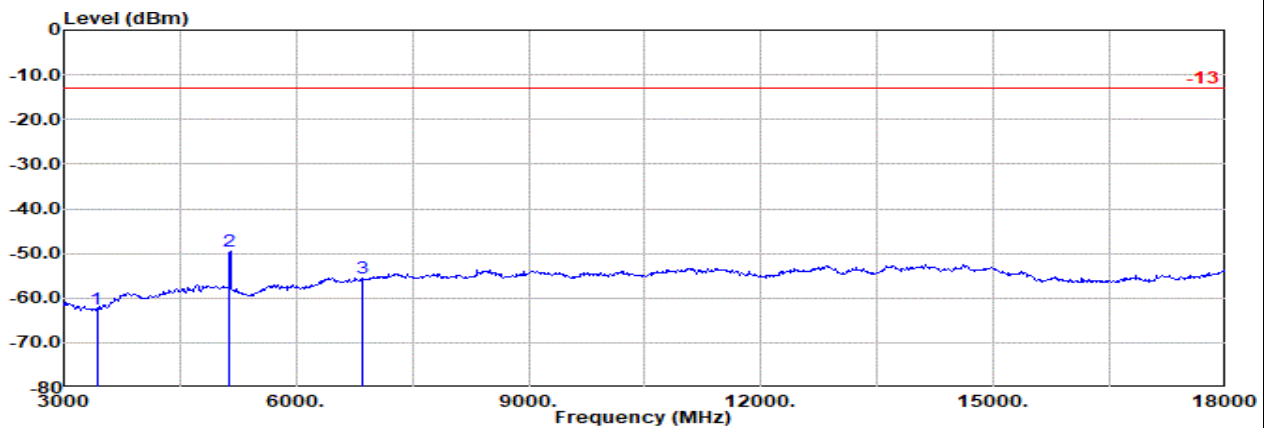
Part 27 Mode 1  
WCDMA B4 10M Ch1312

L



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
 : WCDMA 1700 Ch1312

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3425.00	-62.73	RMS	28.60	-22.40	1.08	-95.23	25.22	-13.00	-49.73	Horizontal	
2	5137.00	-52.62	RMS	32.60	-20.22	0.40	-95.23	29.83	-13.00	-39.62	Horizontal	
3	6850.00	-55.62	RMS	36.20	-20.55	0.44	-95.23	23.52	-13.00	-42.62	Horizontal	



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
 : WCDMA 1700 Ch1312

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3425.00	-62.59	RMS	28.60	-22.40	1.08	-95.23	25.36	-13.00	-49.59	Vertical	
2	5137.00	-49.42	RMS	32.60	-20.22	0.40	-95.23	33.03	-13.00	-36.42	Vertical	
3	6850.00	-55.53	RMS	36.20	-20.55	0.44	-95.23	23.61	-13.00	-42.53	Vertical	

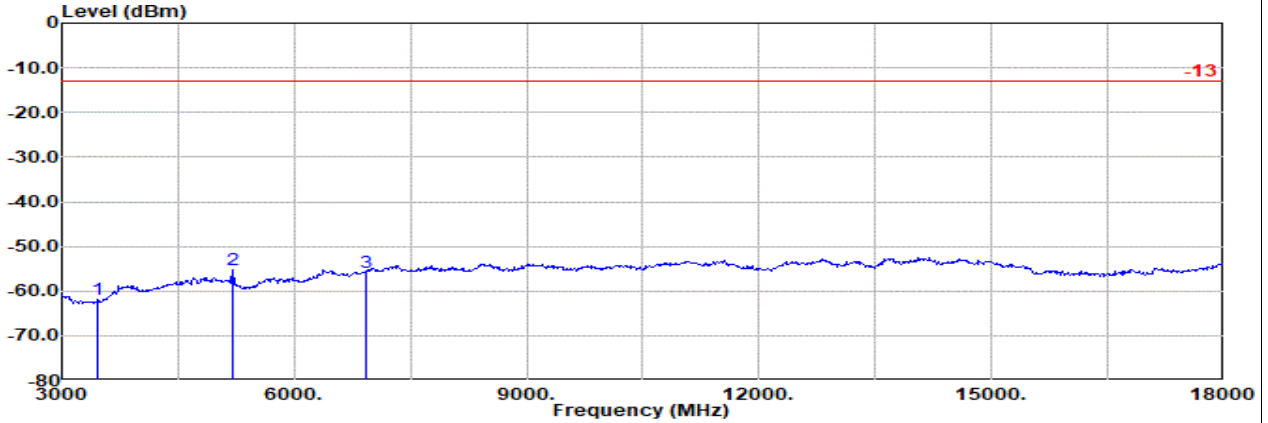


Tx0Rx0

Part 27 Mode 1

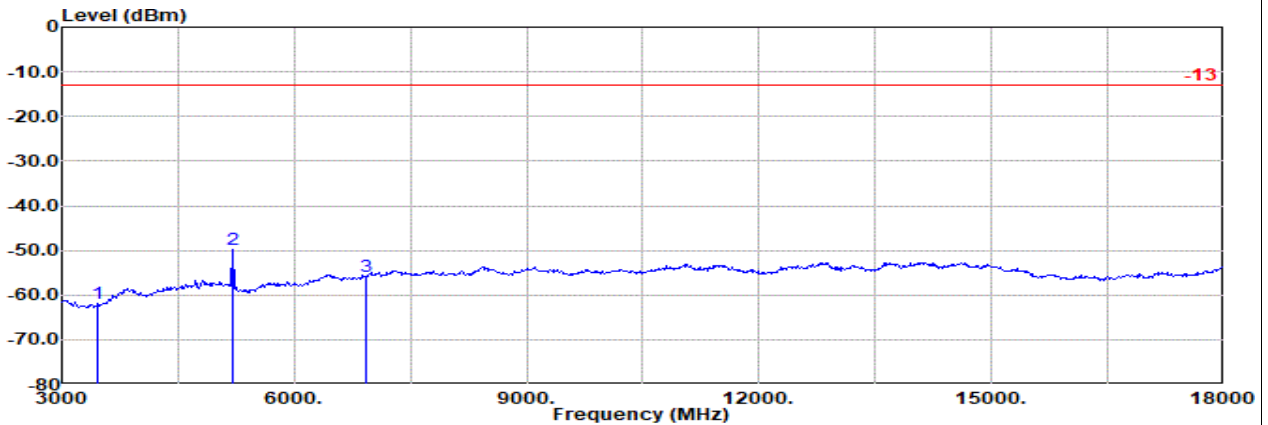
WCDMA B4 10M Ch1413

M



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
 : WCDMA 1700 Ch1413

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3465.00	-62.03	RMS	28.76	-22.38	1.03	-95.23	25.79	-13.00	-49.03	Horizontal
2	5198.00	-55.18	RMS	32.60	-20.27	0.39	-95.23	27.33	-13.00	-42.18	Horizontal
3	6930.00	-55.72	RMS	36.36	-20.57	0.45	-95.23	23.27	-13.00	-42.72	Horizontal



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
 : WCDMA 1700 Ch1413

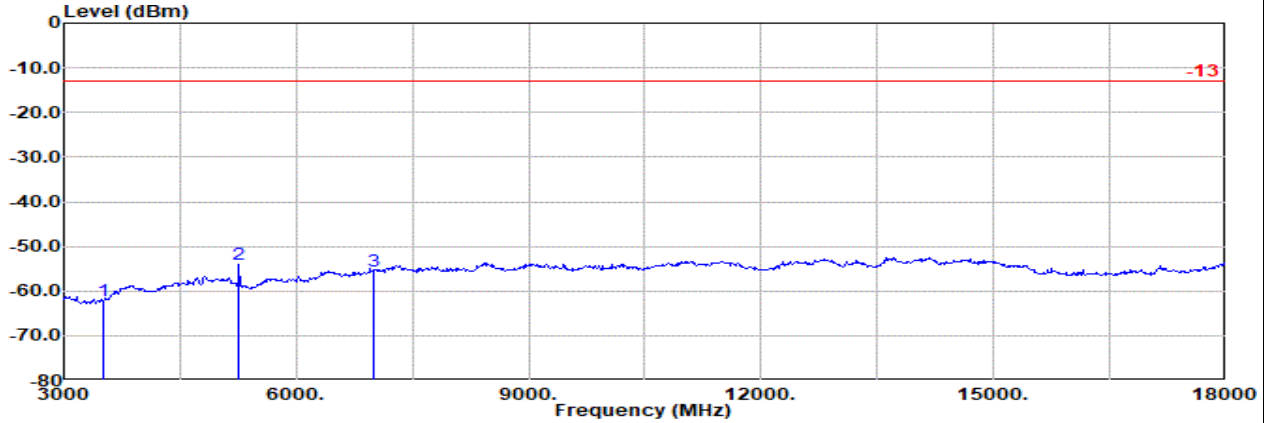
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3465.00	-62.03	RMS	28.76	-22.38	1.03	-95.23	25.79	-13.00	-49.03	Vertical
2	5198.00	-49.89	RMS	32.60	-20.27	0.39	-95.23	32.62	-13.00	-36.89	Vertical
3	6930.00	-55.70	RMS	36.36	-20.57	0.45	-95.23	23.29	-13.00	-42.70	Vertical



Tx0Rx0

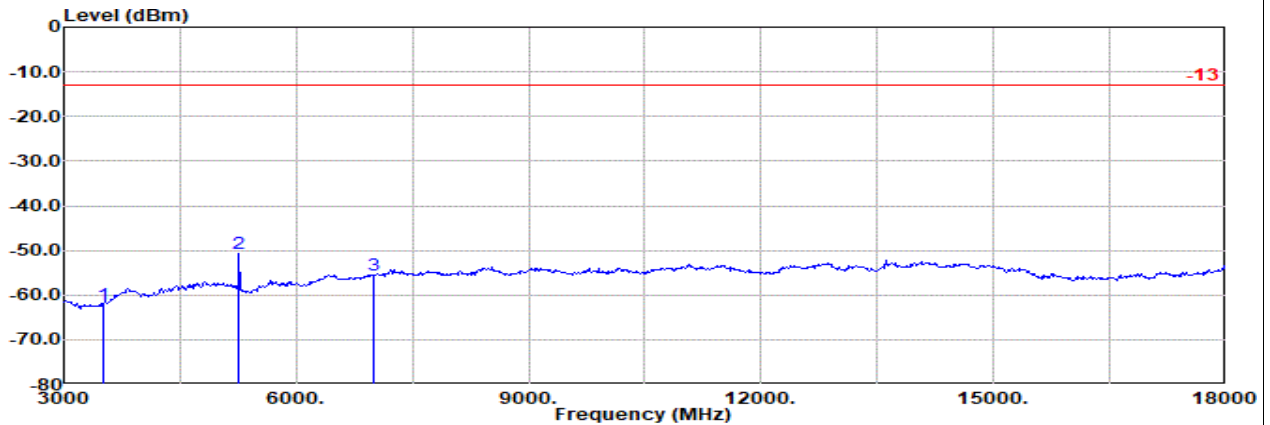
Part 27 Mode 1  
WCDMA B4 10M Ch1513

H



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
 : WCDMA 1700 Ch1513

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3505.00	-62.31	RMS	28.94	-22.36	0.98	-95.23	25.36	-13.00	-49.31	Horizontal	
2	5258.00	-53.89	RMS	32.58	-20.33	0.47	-95.23	28.62	-13.00	-40.89	Horizontal	
3	7010.00	-55.61	RMS	36.50	-20.57	0.46	-95.23	23.23	-13.00	-42.61	Horizontal	



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
 : WCDMA 1700 Ch1513

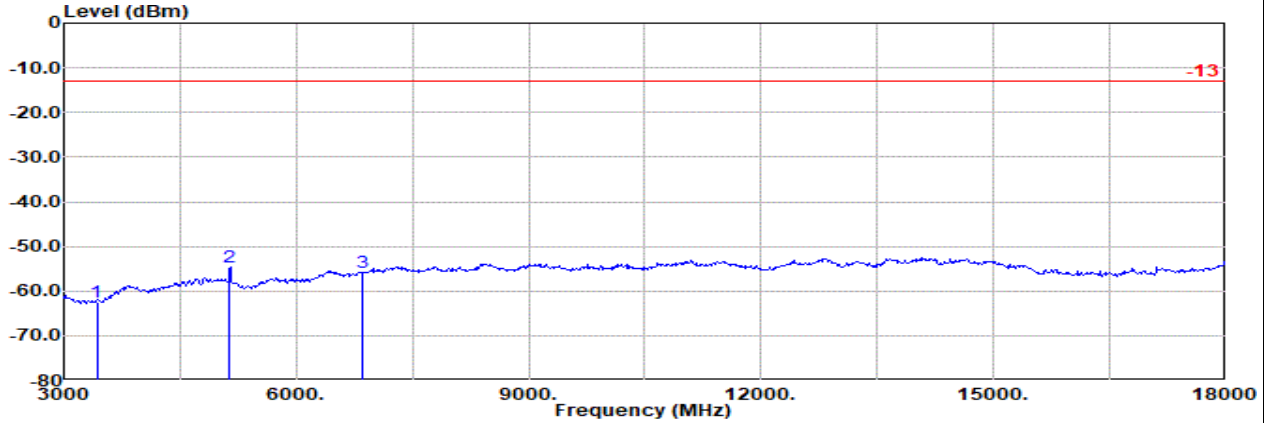
	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3505.00	-62.18	RMS	28.94	-22.36	0.98	-95.23	25.49	-13.00	-49.18	Vertical	
2	5258.00	-50.67	RMS	32.58	-20.33	0.47	-95.23	31.84	-13.00	-37.67	Vertical	
3	7010.00	-55.47	RMS	36.50	-20.57	0.46	-95.23	23.37	-13.00	-42.47	Vertical	



Tx1Rx1

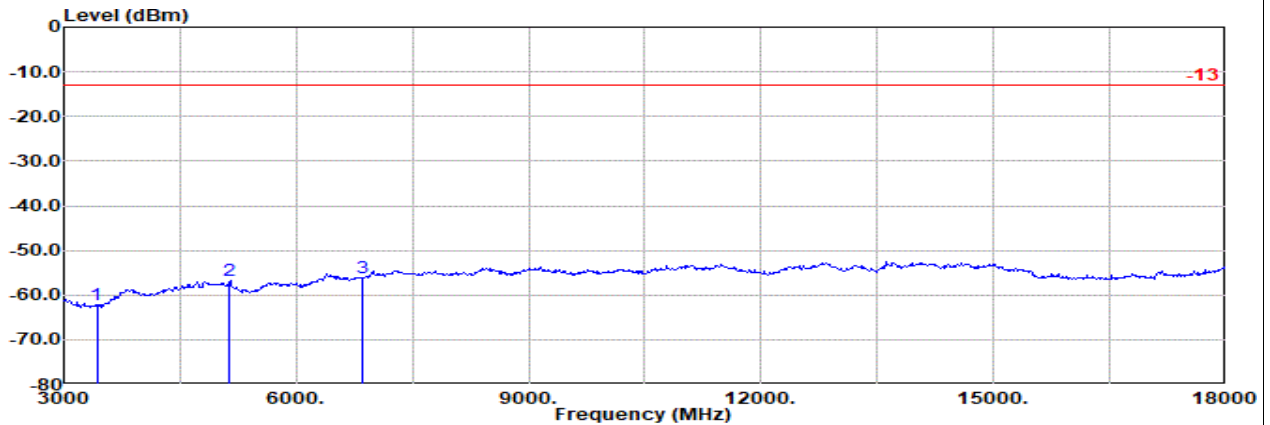
Part 27 Mode 2  
WCDMA B4 10M Ch1312

L



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
 : WCDMA 1700 Ch1312

	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	3425.00	-62.55	RMS	28.60	-22.40	1.08	-95.23	25.40	-13.00	-49.55	Horizontal	
2	5137.00	-54.72	RMS	32.60	-20.22	0.40	-95.23	27.73	-13.00	-41.72	Horizontal	
3	6850.00	-55.99	RMS	36.20	-20.55	0.44	-95.23	23.15	-13.00	-42.99	Horizontal	



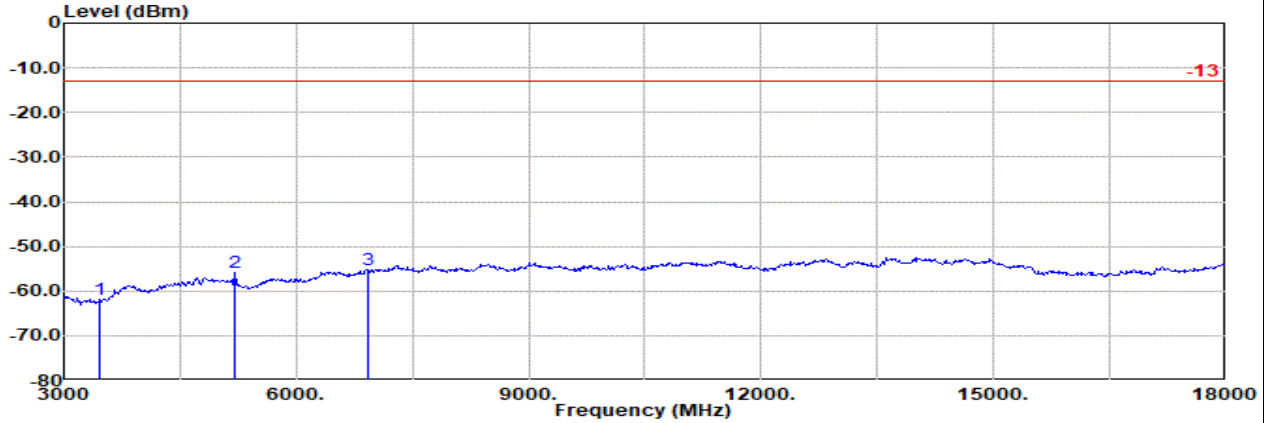
Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
 : WCDMA 1700 Ch1312

	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	3425.00	-62.28	RMS	28.60	-22.40	1.08	-95.23	25.67	-13.00	-49.28	Vertical	
2	5137.00	-56.61	RMS	32.60	-20.22	0.40	-95.23	25.84	-13.00	-43.61	Vertical	
3	6850.00	-56.16	RMS	36.20	-20.55	0.44	-95.23	22.98	-13.00	-43.16	Vertical	



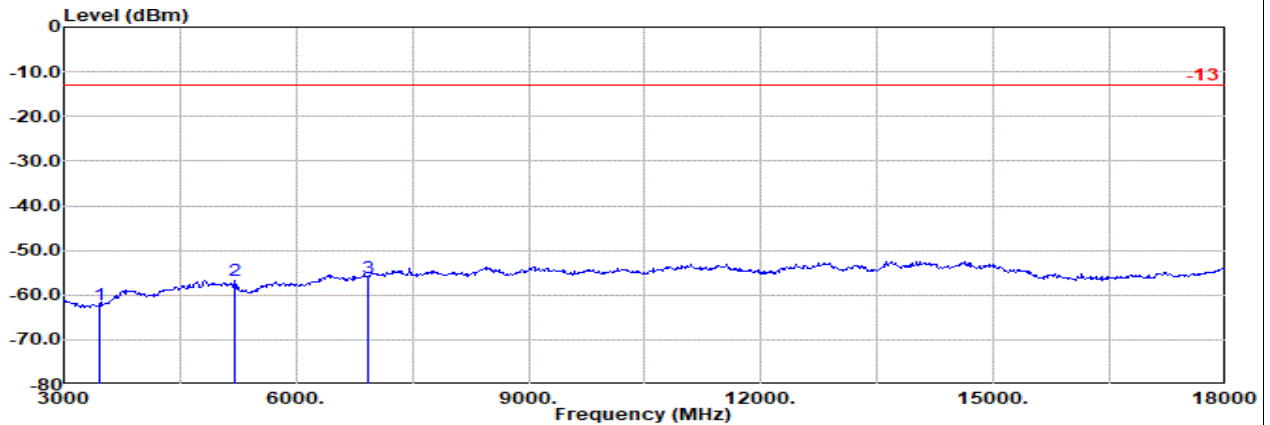
Tx1Rx1

Part 27 Mode 2  
WCDMA B4 10M Ch1413  
M



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
 : WCDMA 1700 Ch1413

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3465.00	-61.77	RMS	28.76	-22.38	1.03	-95.23	26.05	-13.00	-48.77	Horizontal	
2	5198.00	-55.75	RMS	32.60	-20.27	0.39	-95.23	26.76	-13.00	-42.75	Horizontal	
3	6930.00	-55.28	RMS	36.36	-20.57	0.45	-95.23	23.71	-13.00	-42.28	Horizontal	



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
 : WCDMA 1700 Ch1413

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3465.00	-62.25	RMS	28.76	-22.38	1.03	-95.23	25.57	-13.00	-49.25	Vertical	
2	5198.00	-56.64	RMS	32.60	-20.27	0.39	-95.23	25.87	-13.00	-43.64	Vertical	
3	6930.00	-56.02	RMS	36.36	-20.57	0.45	-95.23	22.97	-13.00	-43.02	Vertical	

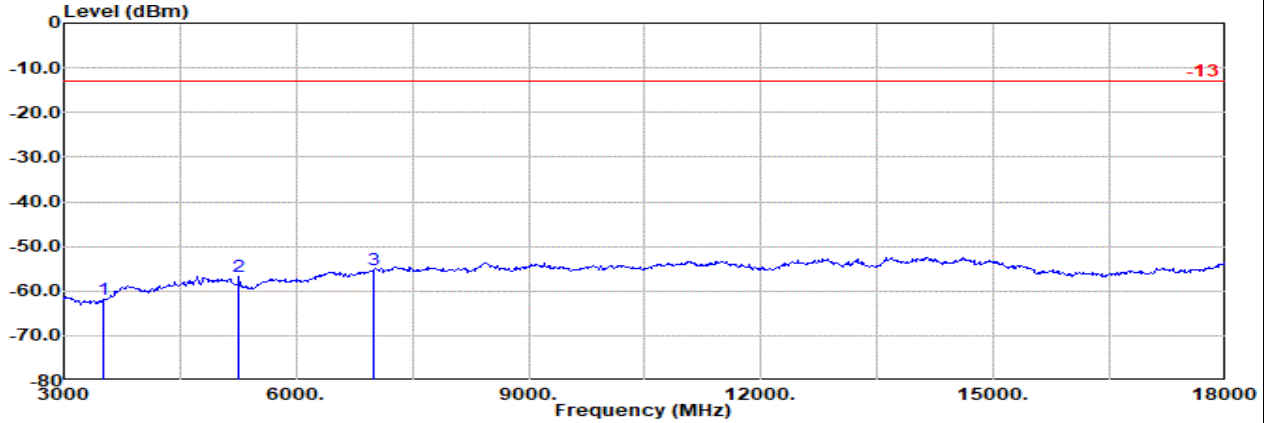


Tx1Rx1

Part 27 Mode 2

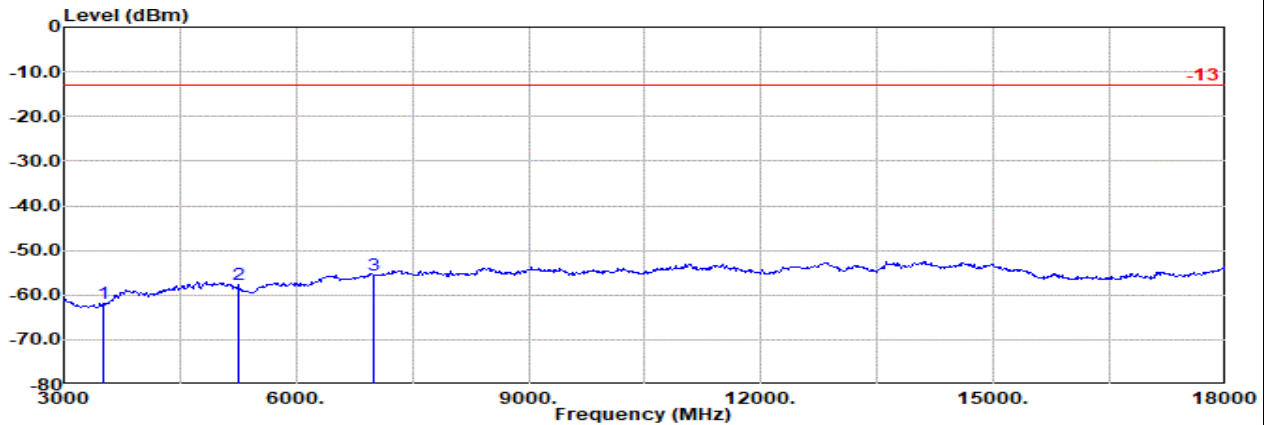
WCDMA B4 10M Ch1513

H



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Horizontal  
 : WCDMA 1700 Ch1513

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3505.00	-61.86	RMS	28.94	-22.36	0.98	-95.23	25.81	-13.00	-48.86	Horizontal	
2	5258.00	-56.90	RMS	32.58	-20.33	0.47	-95.23	25.61	-13.00	-43.90	Horizontal	
3	7010.00	-55.38	RMS	36.50	-20.57	0.46	-95.23	23.46	-13.00	-42.38	Horizontal	



Site : 03CH21-HY  
 Condition: -13 3m DRH18-E\_LE2C03A18EN\_230712 Vertical  
 : WCDMA 1700 Ch1513

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3505.00	-62.01	RMS	28.94	-22.36	0.98	-95.23	25.66	-13.00	-49.01	Vertical	
2	5258.00	-57.57	RMS	32.58	-20.33	0.47	-95.23	24.94	-13.00	-44.57	Vertical	
3	7010.00	-55.43	RMS	36.50	-20.57	0.46	-95.23	23.41	-13.00	-42.43	Vertical	

—THE END—