# Variant FCC RF Test Report

| | | |
|---|---|---|
| **APPLICANT** | **:** | **Acer Incorporated** |
| **EQUIPMENT** | **:** | **Smart HandHeld** |
| **BRAND NAME** | **:** | **Acer** |
| **MODEL NAME** | **:** | **S57** |
| **MARKETING NAME** | **:** | **Liquid Jade Z** |
| **FCC ID** | **:** | **HLZDMS57** |
| **STANDARD** | **:** | **FCC 47 CFR Part 2, 22(H), 24(E)** |
| **CLASSIFICATION** | **:** | **PCS Licensed Transmitter Held to Ear (PCE)** |

**This is a variant report which is only valid together with the original test report. The product was received on Jan. 13, 2015 and testing was completed on Mar. 05, 2015. We, SPORTON INTERNATIONAL (KUNSHAN) INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA / EIA-603-C-2004 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 of SPORTON INTERNATIONAL (KUNSHAN) INC., the test report shall not be reproduced except in full.**

**Reviewed by: Joseph Lin / Supervisor**

**Approved by: Jones Tsai / Manager**

Testing Laboratory
2627

***SPORTON INTERNATIONAL (KUNSHAN) INC.***
***No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P. R. China***

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# REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|---|---|---|---|
| FG511349A | Rev. 01 | This is a variant report for S57. The difference between previous and current is as following:<br>1. changed Model name from “S56” to “S57”,<br>2. changed marketing name from “Liquid Jade S” to “Liquid Jade Z”<br>3. changed CPU from “MT6752M” to “MT6732”<br>4. changed earphone from model name “HF-AC09W-02” to “HC.00211.008”.<br>Based on the similarity between two models, only the conducted power and Conducted Spurious Emission test for middle channel were verified, all other test data are leverage from original test report (Sporton Report Number FG492402A with FCC ID: HLZDMS56). | Mar. 10, 2015 |
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# SUMMARY OF TEST RESULT

| Report Section | FCC Rule | IC Rule | Description | Limit | Result | Remark |
|---|---|---|---|---|---|---|
| 3.1 | §2.1046 | RSS-132 (5.4)<br>RSS-133 (6.4) | Conducted Output Power | N/A | PASS | - |
| 3.2 | §2.1051<br>§22.917(a)<br>§24.238(a) | RSS-132 (5.5)<br>RSS-133 (6.5) | Conducted Spurious Emission | < $43+10\log_{10}$(P[Watts]) | PASS | - |

# 1 General Description

## 1.1 Applicant

**Acer Incorporated**
8F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 22181, Taiwan (R.O.C)

## 1.2 Manufacturer

**Shanghai Sunrise Simcom Limited**
No. 888, Shengli Rd., Qingpu, Shanghai, P.R.China 201700

## 1.3 Product Feature of Equipment Under Test

| Product Feature | |
|---|---|
| **Equipment** | Smart HandHeld |
| **Brand Name** | Acer |
| **Model Name** | S57 |
| **Marketing Name** | Liquid Jade Z |
| **FCC ID** | HLZDMS57 |
| **EUT supports Radios application** | GSM/GPRS/EGPRS/WCDMA/HSPA/HSPA+(Downlink Only)/ LTE/WLAN 2.4GHz 802.11b/g/n (HT20/HT40)/ Bluetooth v3.0 + EDR/Bluetooth v4.0 LE |
| **EUT Stage** | Identical Prototype |

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

## 1.4 Product Specification subjective to this standard

| Product Specification subjective to this standard | |
|---|---|
| **Tx Frequency** | GSM850: 824.2 MHz ~ 848.8 MHz<br>GSM1900: 1850.2 MHz ~ 1909.8MHz<br>WCDMA Band V: 826.4 MHz ~ 846.6 MHz<br>WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz |
| **Rx Frequency** | GSM850: 869.2 MHz ~ 893.8 MHz<br>GSM1900: 1930.2 MHz ~ 1989.8 MHz<br>WCDMA Band V: 871.4 MHz ~ 891.6 MHz<br>WCDMA Band II: 1932.4 MHz ~ 1987.6 MHz |
| **Antenna Type** | PIFA Antenna |
| **Type of Modulation** | GSM: GMSK<br>GPRS: GMSK<br>EDGE: GMSK / 8PSK<br>WCDMA: QPSK (Uplink)<br>HSDPA: QPSK (Uplink)<br>HSUPA: QPSK (Uplink)<br>HSPA+: 16QAM (Downlink Only) |

## 1.5 Modification of EUT

No modifications are made to the EUT during all test items.

## 1.6 Testing Location

| | | |
|---|---|---|
| **Test Site** | SPORTON INTERNATIONAL (KUNSHAN) INC. | |
| **Test Site Location** | No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P. R. China<br>TEL: +86-0512-5790-0158<br>FAX: +86-0512-5790-0958 | |
| **Test Site No.** | **Sporton Site No.** | **FCC Registration No.** |
| | TH01-KS | 149928 |

## 1.7 Applicable Standards

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

- 47 CFR Part 2, 22(H), 24(E)
- ANSI / TIA / EIA-603-C-2004
- FCC KDB 971168 D01 Power Meas. License Digital Systems v02r02

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

# 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 v02r02 with maximum output power.

| Test Modes | |
|---|---|
| **Band** | **Conducted TCs** |
| **GSM 850** | ■ GSM Link<br>■ EDGE class 8 Link |
| **GSM 1900** | ■ GSM Link<br>■ EDGE class 8 Link |
| **WCDMA Band V** | ■ RMC 12.2Kbps Link |
| **WCDMA Band II** | ■ RMC 12.2Kbps Link |

**Conducted Power Measurement Results:**

| Conducted Power (*Unit: dBm) | | |
|---|---|---|
| **Band** | **GSM850** | **GSM1900** |
| **Channel** | **189** | **661** |
| **Frequency** | **836.4** | **1880.0** |
| **GSM** | **32.45** | **29.72** |
| **GPRS class 8** | 32.43 | 29.70 |
| **GPRS class 10** | 31.82 | 27.35 |
| **GPRS class 11** | 30.22 | 24.65 |
| **GPRS class 12** | 29.26 | 24.36 |
| **EGPRS class 8** | 26.34 | 25.13 |
| **EGPRS class 10** | 25.48 | 24.25 |
| **EGPRS class 11** | 23.71 | 22.21 |
| **EGPRS class 12** | 22.50 | 21.21 |

| Conducted Power (*Unit: dBm) | | |
|---|---|---|
| **Band** | **WCDMA Band V** | **WCDMA Band II** |
| **Channel** | **4182** | **9400** |
| **Frequency** | **836.4** | **1880** |
| **AMR 12.2K** | 22.28 | 22.13 |
| **RMC 12.2K** | **22.29** | **22.15** |

## 2.2 Support Unit used in test configuration

| Item | Equipment | Trade Name | Model No. | FCC ID | Data Cable | Power Cord |
|---|---|---|---|---|---|---|
| 1. | System Simulator | R&S | CMU 200 | N/A | N/A | Unshielded, 1.8 m |

## 2.3 Measurement Results Explanation Example

**For all conducted test items:**

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

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

*Offset = RF cable loss + attenuator factor.*

The following shows an offset computation example with RF cable loss 5.4 dB and a 10dB attenuator.

Example :

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

= 5.4 + 10 = 15.4 (dB)

# 3 Test Result

## 3.1 Conducted Output Power Measurement

### 3.1.1 Description of the Conducted Output Power Measurement

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.

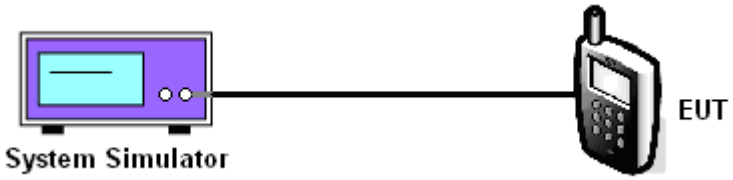
### 3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.1.3 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through system simulator.
3. Select lowest, middle, and 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.

### 3.1.4 Test Setup



### 3.1.5 Test Result of Conducted Output Power

| Cellular Band | | | |
|---|---|---|---|
| Modes | GSM850 (GSM Link) | GSM850 (EDGE class 8) | WCDMA Band V (RMC 12.2Kbps) |
| Channel | 189 (Mid) | 189 (Mid) | 4182 (Mid) |
| Frequency (MHz) | 836.4 | 836.4 | 836.4 |
| Conducted Power (dBm) | 32.45 | 26.34 | 22.29 |

| PCS Band | | | |
|---|---|---|---|
| Modes | GSM1900 (GSM Link) | GSM1900 (EDGE class 8) | WCDMA Band II (RMC 12.2Kbps) |
| Channel | 661 (Mid) | 661 (Mid) | 9400 (Mid) |
| Frequency (MHz) | 1880 | 1880 | 1880 |
| Conducted Power (dBm) | 29.72 | 25.13 | 22.15 |

# 3.2 Conducted Spurious Emission Measurement

## 3.2.1 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 $10^{th}$ harmonic.

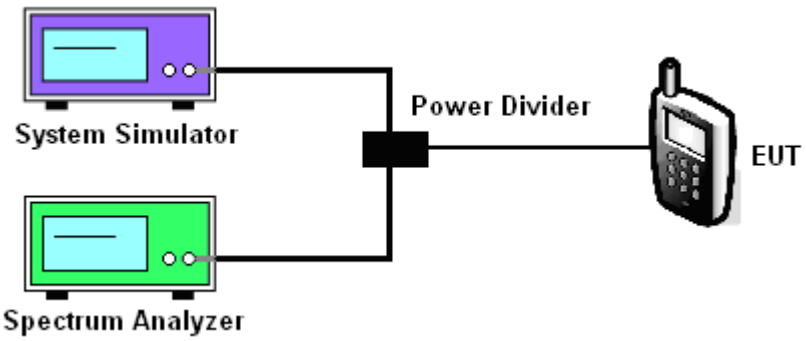
## 3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

## 3.2.3 Test Procedures

1. The testing follows FCC KDB 971168 v02r02 Section 6.0.
2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts)
   = P(W) - [43 + 10log(P)] (dB)
   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
   = -13dBm.

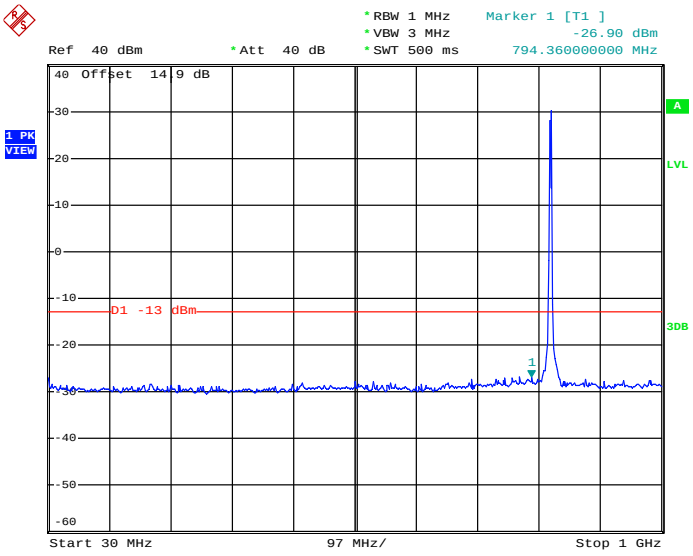
### 3.2.4 Test Setup



## 3.2.5 Test Result (Plots) of Conducted Spurious Emission

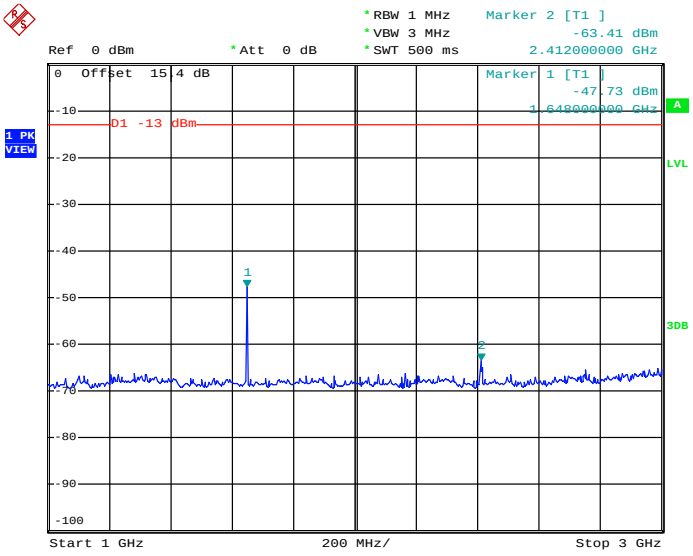
| **Band :** | GSM850 | **Channel :** | CH128 |
|---|---|---|---|
| **Test Mode :** | GSM Link (GMSK) | **Frequency :** | 824.2 MHz |

**Conducted Spurious Emission Plot between 30MHz ~ 1GHz**




Date: 5.MAR.2015 00:00:35

**Conducted Spurious Emission Plot between 1GHz ~ 3GHz**

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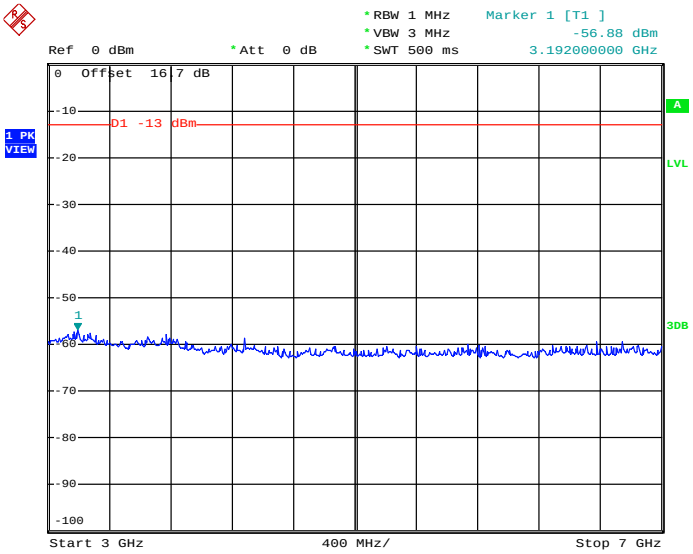
## Conducted Spurious Emission Plot between 3GHz ~ 7GHz

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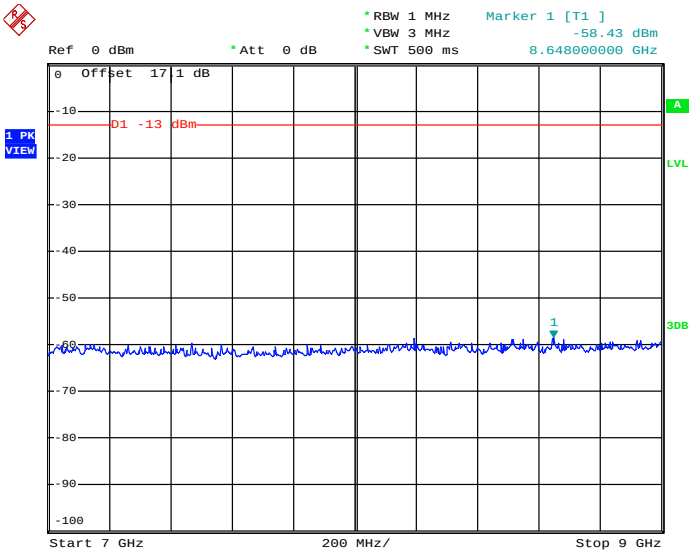
## Conducted Spurious Emission Plot between 7GHz ~ 9GHz

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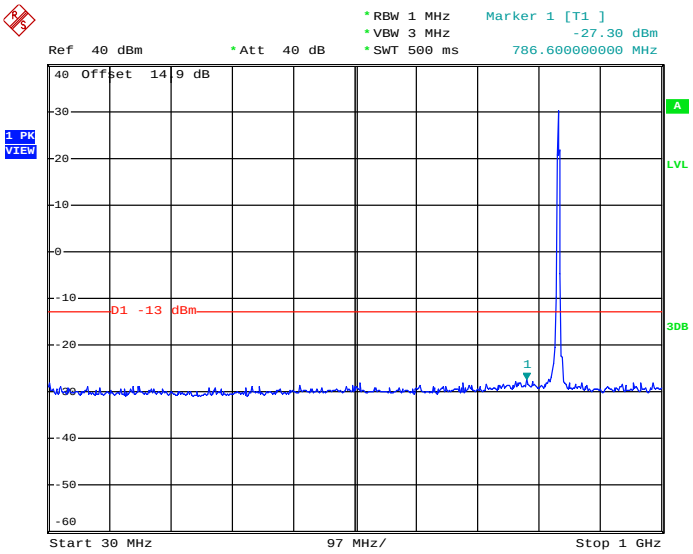
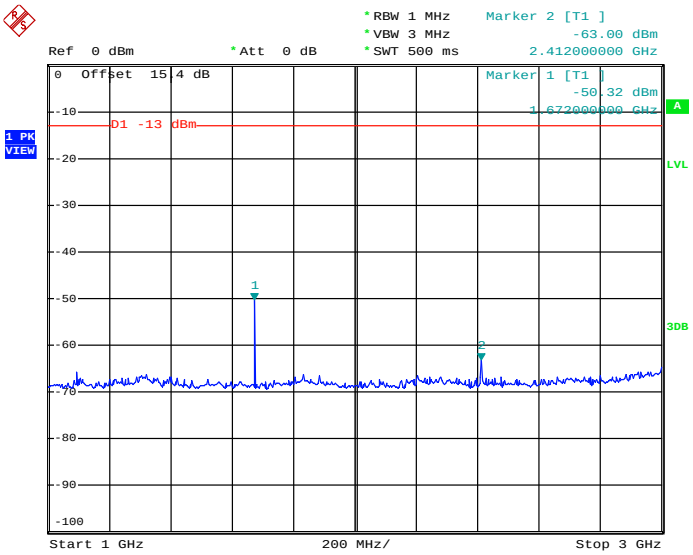
| **Band :** | GSM850 | **Channel :** | CH189 |
|---|---|---|---|
| **Test Mode :** | GSM Link (GMSK) | **Frequency :** | 836.4 MHz |

**Conducted Spurious Emission Plot between 30MHz ~ 1GHz**



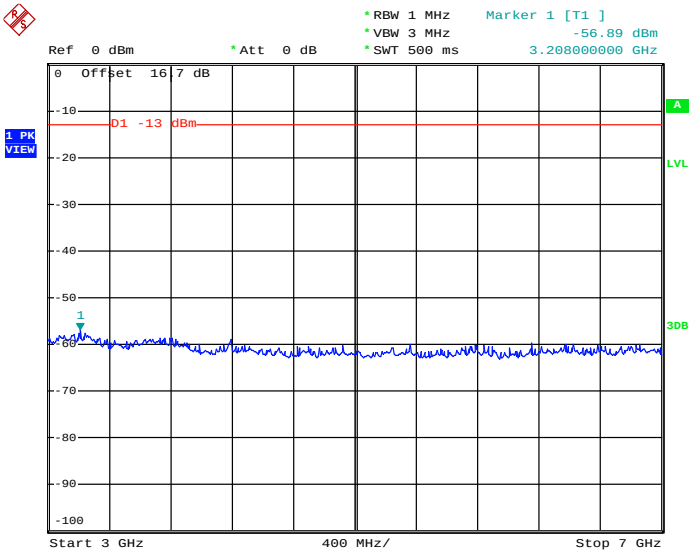

Date: 5.MAR.2015 00:01:15

**Conducted Spurious Emission Plot between 1GHz ~ 3GHz**



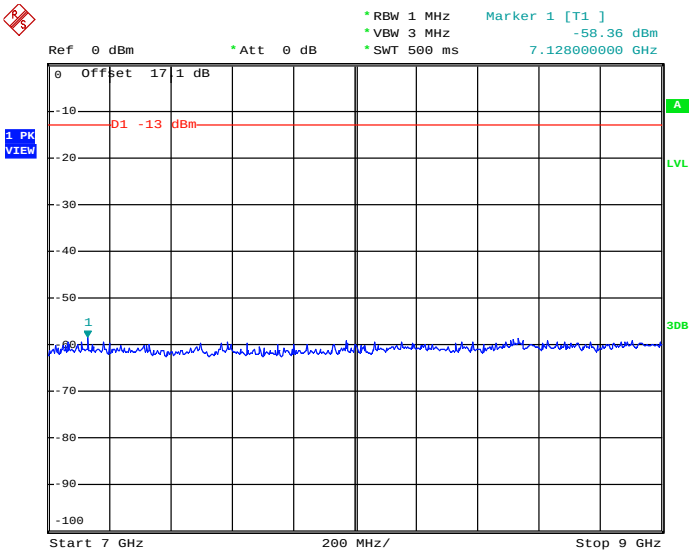

Date: 5.MAR.2015 00:03:15

## Conducted Spurious Emission Plot between 3GHz ~ 7GHz




Date: 5.MAR.2015 00:05:20

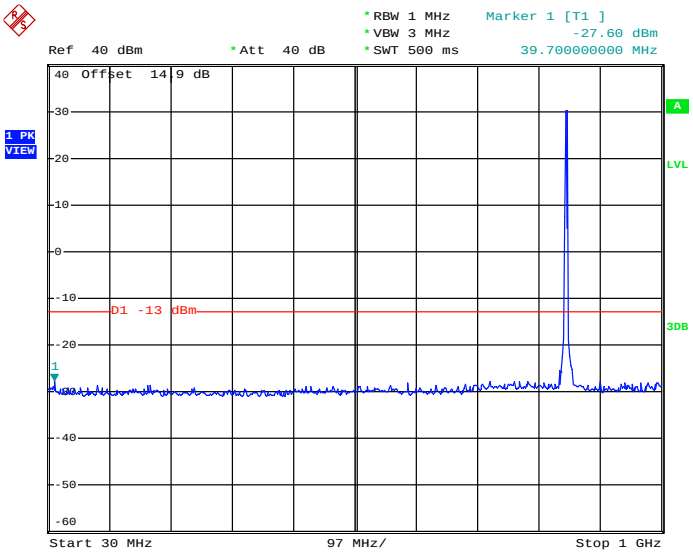
## Conducted Spurious Emission Plot between 7GHz ~ 9GHz




Date: 5.MAR.2015 00:06:47

| **Band :** | GSM850 | **Channel :** | CH251 |
|---|---|---|---|
| **Test Mode :** | GSM Link (GMSK) | **Frequency :** | 848.8 MHz |

## Conducted Spurious Emission Plot between 30MHz ~ 1GHz

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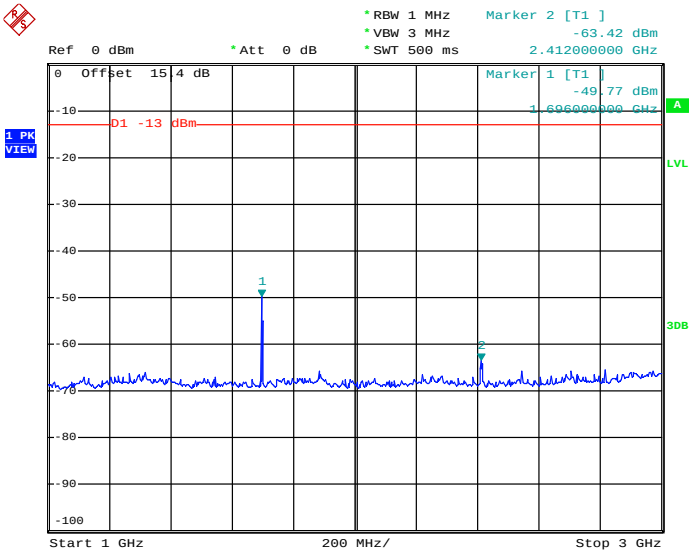
## Conducted Spurious Emission Plot between 1GHz ~ 3GHz

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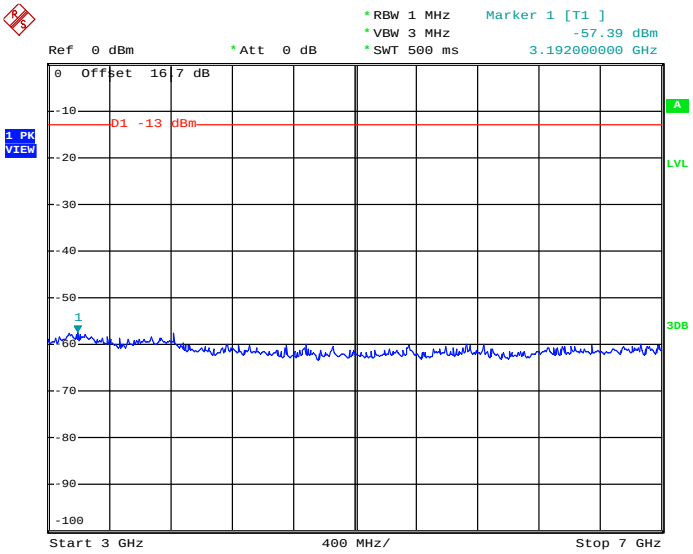
## Conducted Spurious Emission Plot between 3GHz ~ 7GHz

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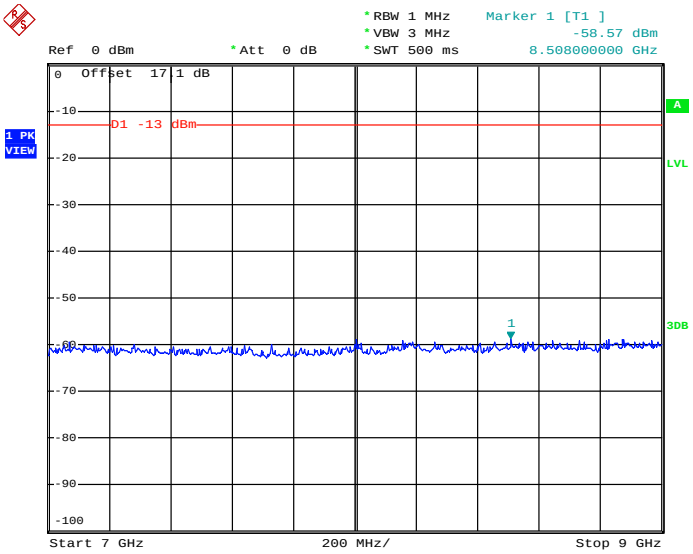
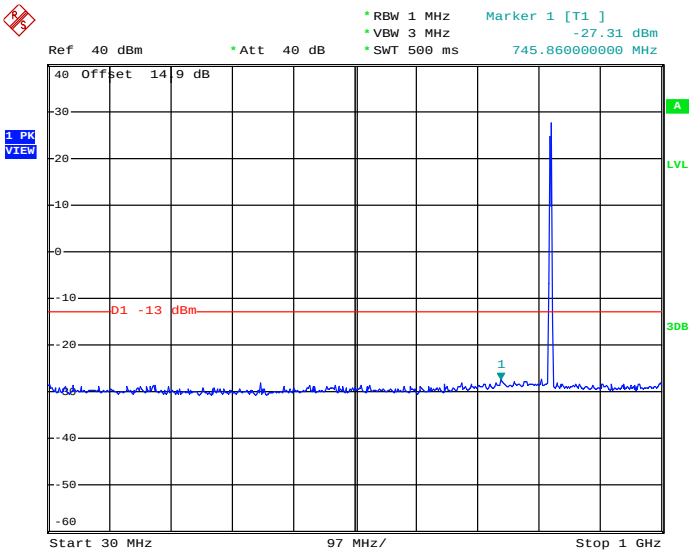
## Conducted Spurious Emission Plot between 7GHz ~ 9GHz




Date: 5.MAR.2015 00:06:31

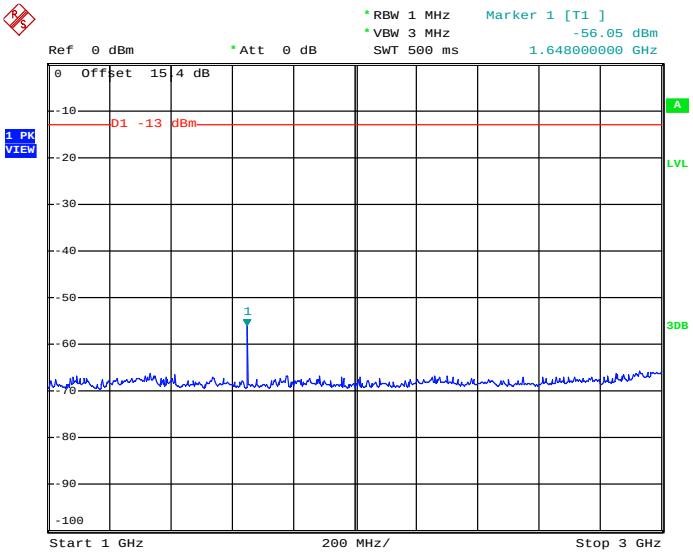
| **Band :** | GSM850 | **Channel :** | CH128 |
|---|---|---|---|
| **Test Mode :** | EDGE class 8 Link (8PSK) | **Frequency :** | 824.2 MHz |

**Conducted Spurious Emission Plot between 30MHz ~ 1GHz**



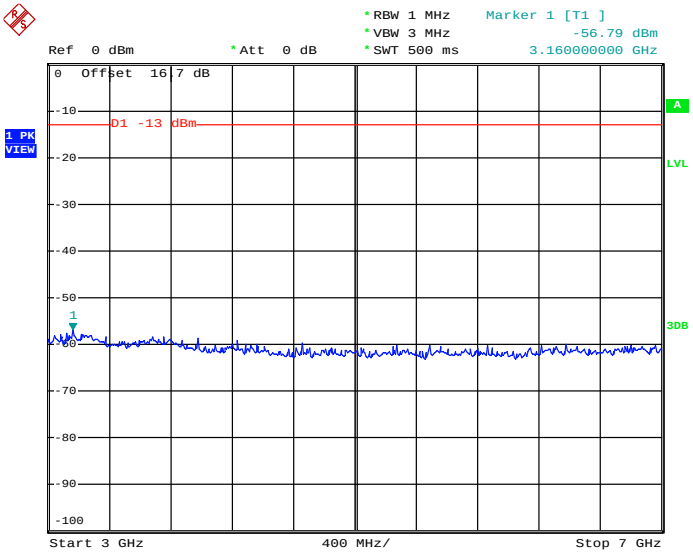

Date: 5.MAR.2015 00:20:13

**Conducted Spurious Emission Plot between 1GHz ~ 3GHz**




Date: 5.MAR.2015 00:13:01

## Conducted Spurious Emission Plot between 3GHz ~ 7GHz

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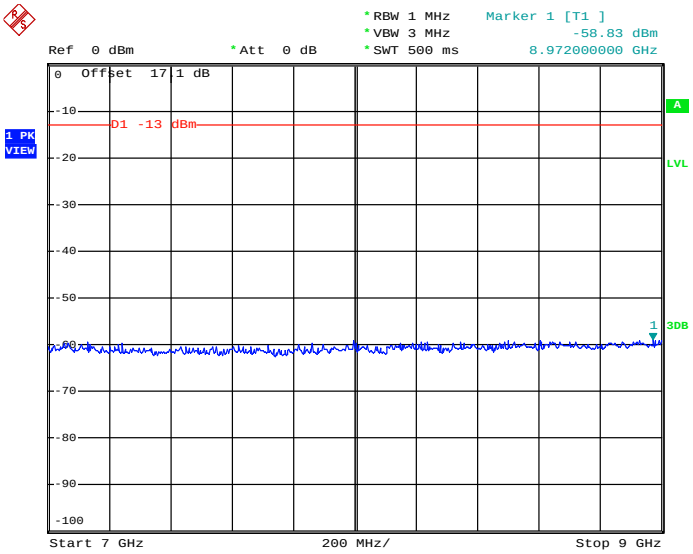
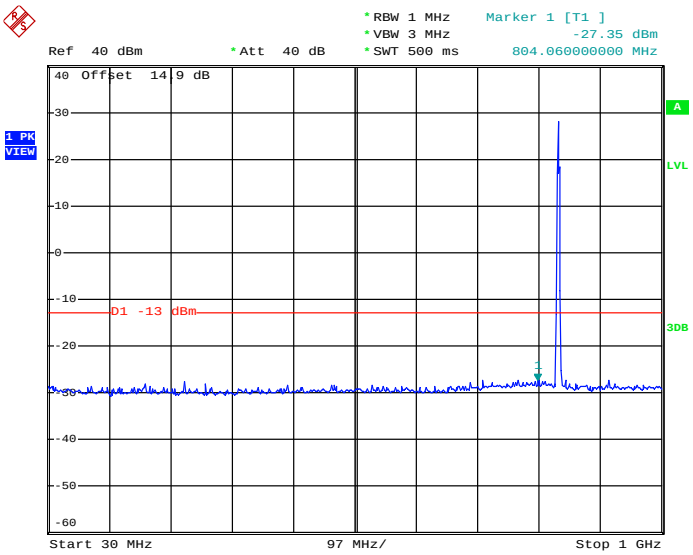
## Conducted Spurious Emission Plot between 7GHz ~ 9GHz




Date: 5.MAR.2015 00:10:00

| **Band :** | GSM850 | **Channel :** | CH189 |
|---|---|---|---|
| **Test Mode :** | EDGE class 8 Link (8PSK) | **Frequency :** | 836.4 MHz |

**Conducted Spurious Emission Plot between 30MHz ~ 1GHz**

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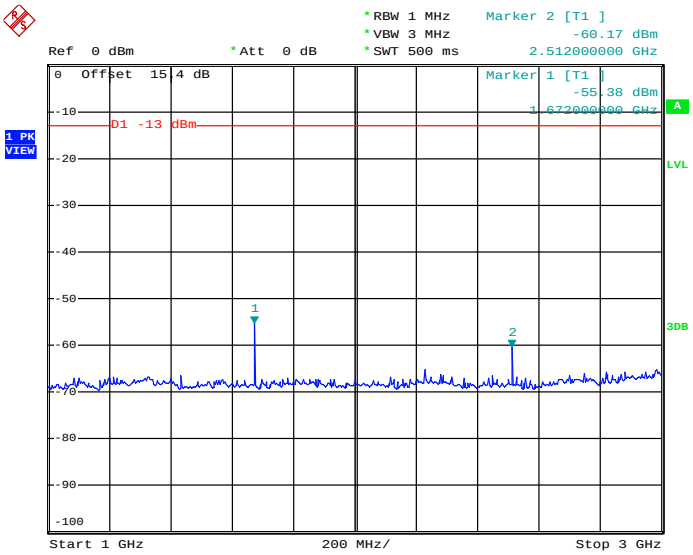
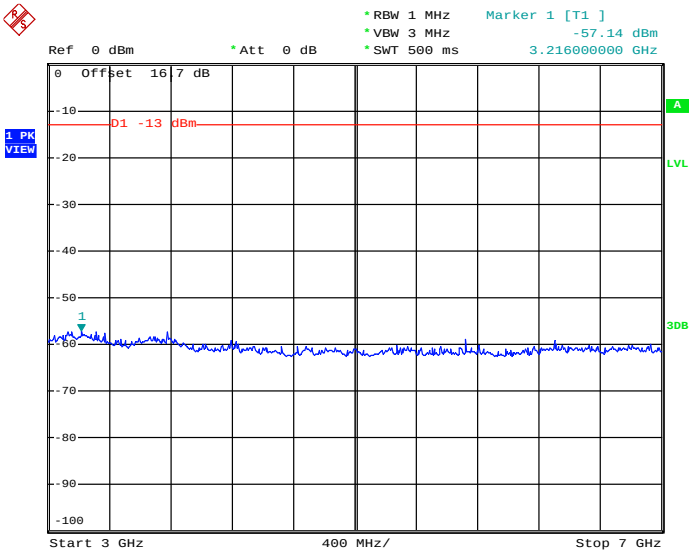
**Conducted Spurious Emission Plot between 1GHz ~ 3GHz**




Date: 5.MAR.2015 00:13:16

## Conducted Spurious Emission Plot between 3GHz ~ 7GHz

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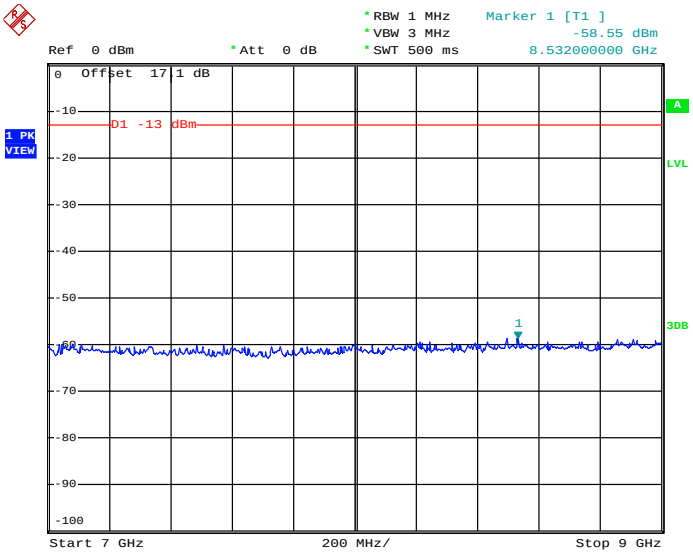
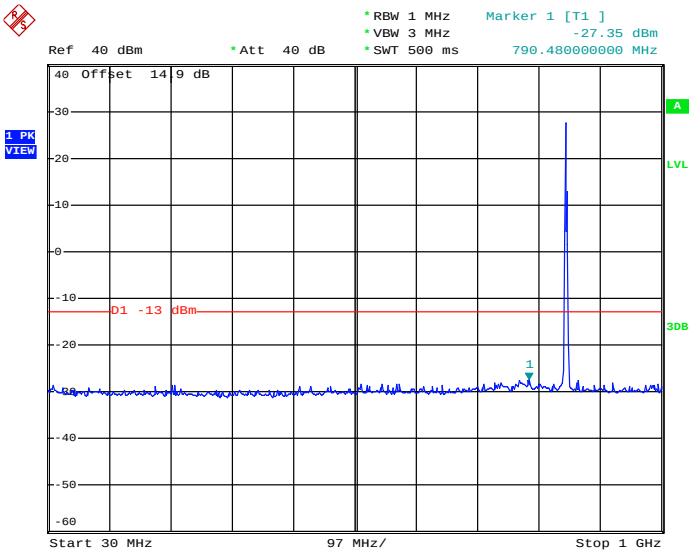
## Conducted Spurious Emission Plot between 7GHz ~ 9GHz




Date: 5.MAR.2015 00:10:13

| | | | |
|---|---|---|---|
| **Band :** | GSM850 | **Channel :** | CH251 |
| **Test Mode :** | EDGE class 8 Link (8PSK) | **Frequency :** | 848.8 MHz |

**Conducted Spurious Emission Plot between 30MHz ~ 1GHz**

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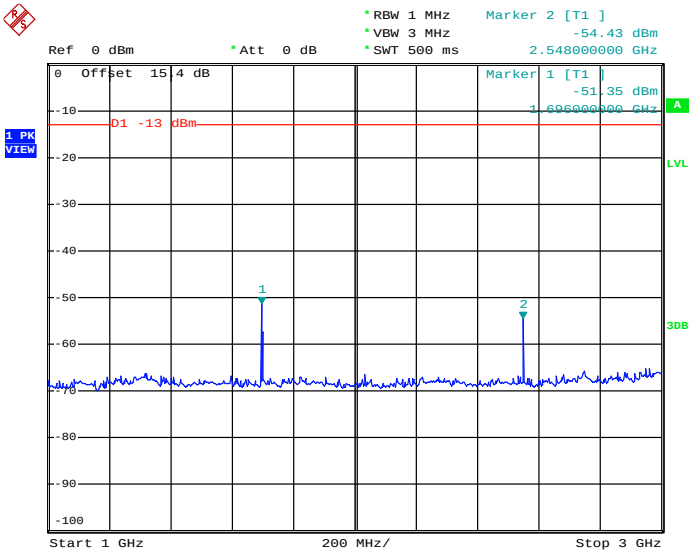
**Conducted Spurious Emission Plot between 1GHz ~ 3GHz**

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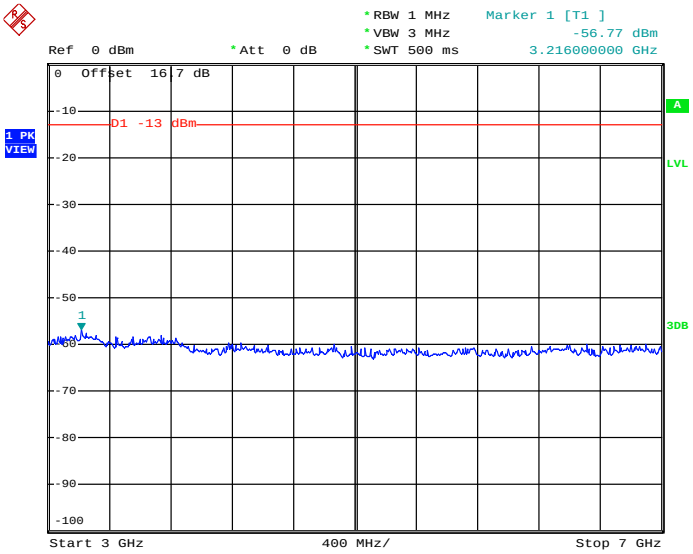
## Conducted Spurious Emission Plot between 3GHz ~ 7GHz

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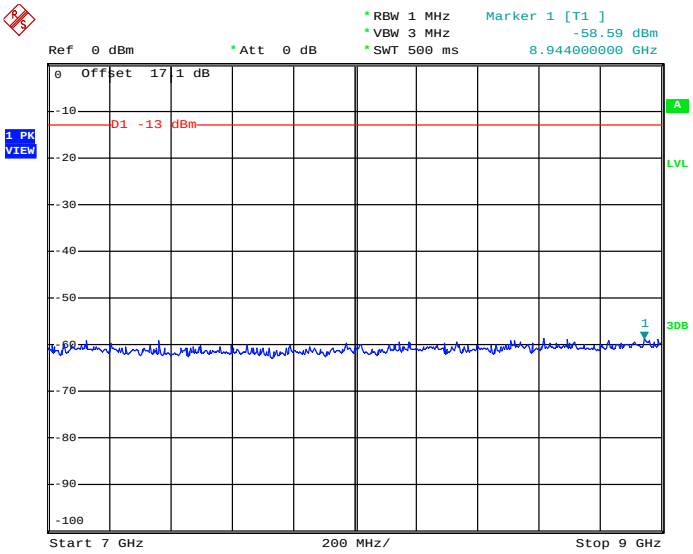
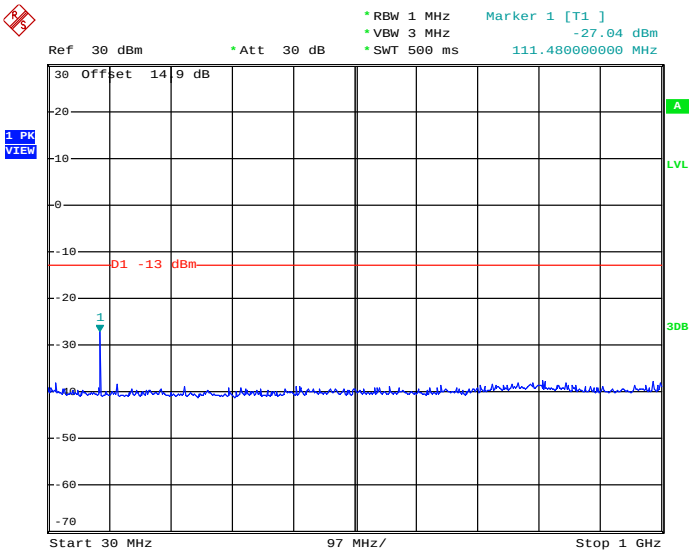
## Conducted Spurious Emission Plot between 7GHz ~ 9GHz




Date: 5.MAR.2015 00:10:26

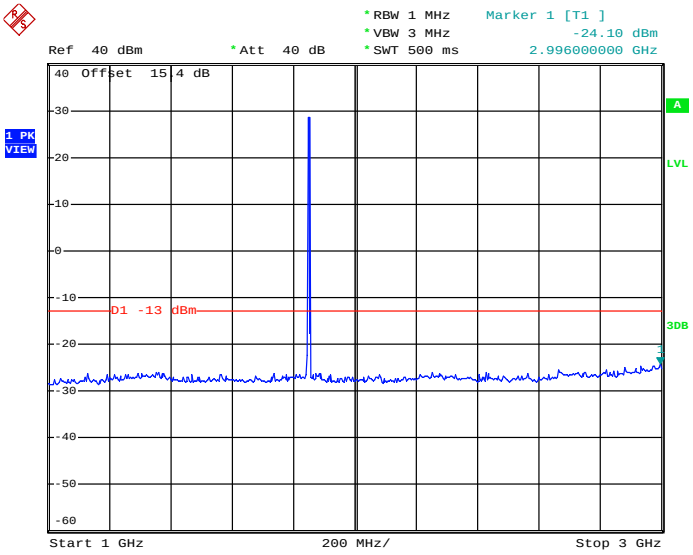
| **Band :** | GSM1900 | **Channel :** | CH512 |
|---|---|---|---|
| **Test Mode :** | GSM Link (GMSK) | **Frequency :** | 1850.2 MHz |

## Conducted Spurious Emission Plot between 30MHz ~ 1GHz



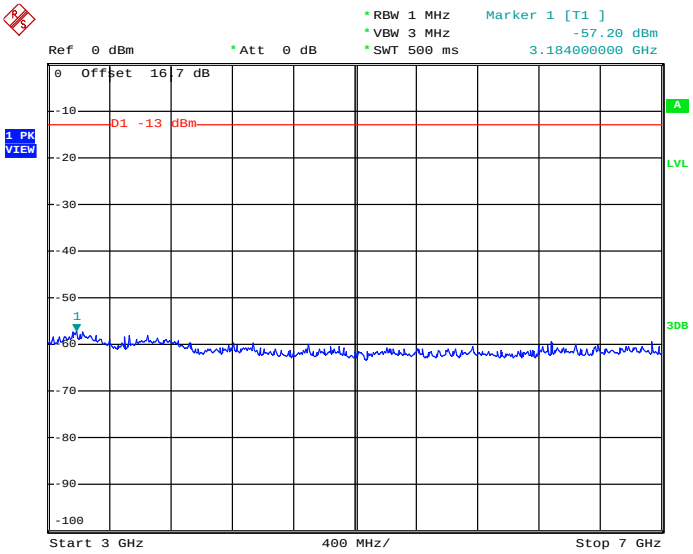

Date: 5.MAR.2015 00:49:03

## Conducted Spurious Emission Plot between 1GHz ~ 3GHz



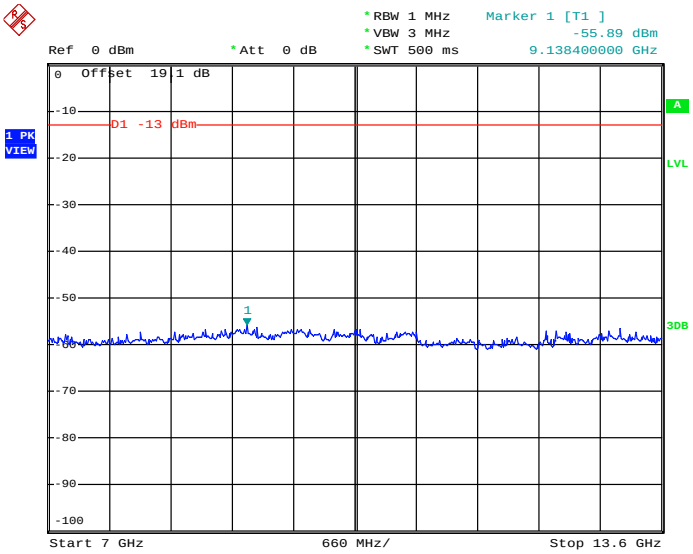

Date: 5.MAR.2015 01:09:20

## Conducted Spurious Emission Plot between 3GHz ~ 7GHz



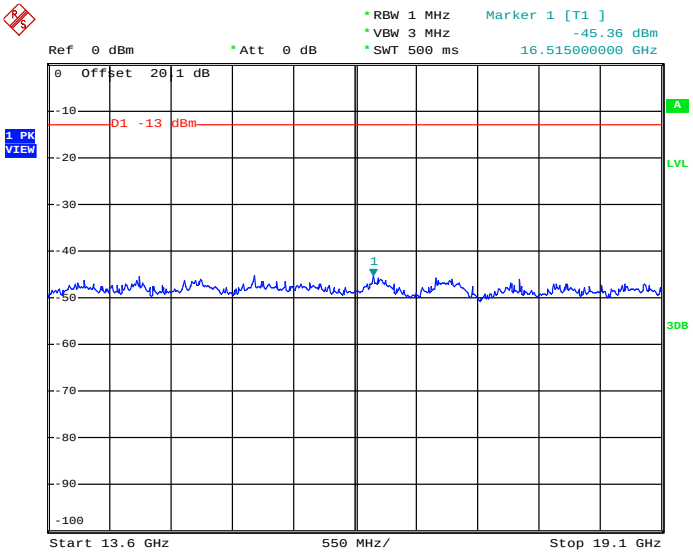

Date: 5.MAR.2015 01:12:08

## Conducted Spurious Emission Plot between 7GHz ~ 13.6GHz




Date: 5.MAR.2015 01:19:58

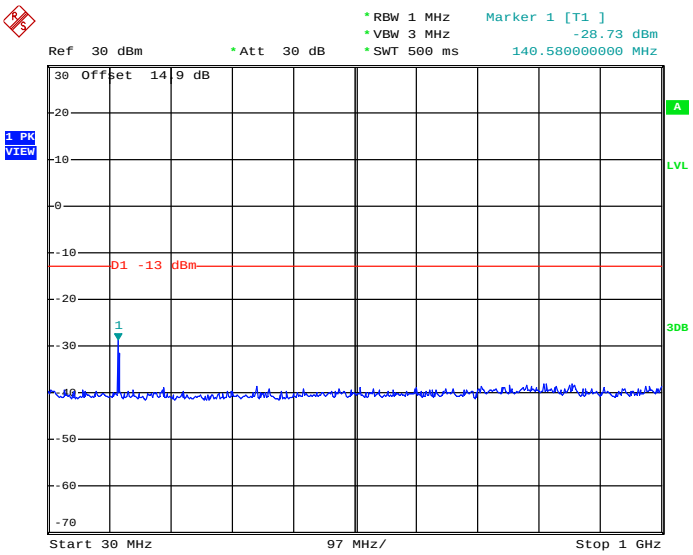
## Conducted Spurious Emission Plot between 13.6GHz ~ 19.1GHz




Date: 5.MAR.2015 01:20:37

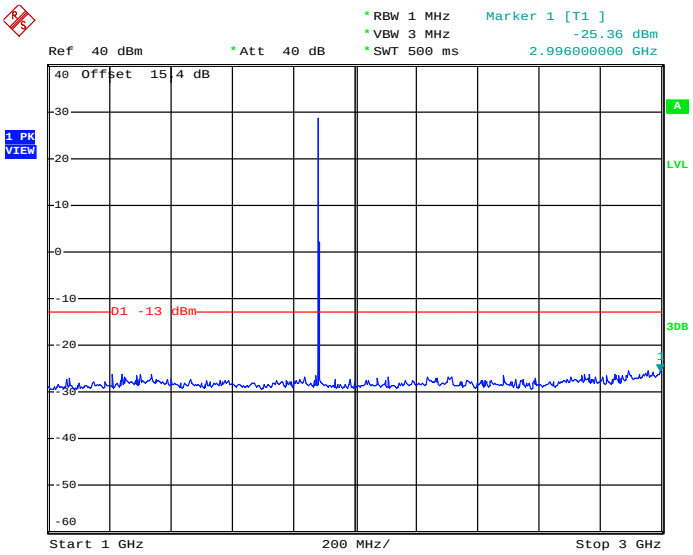
| **Band :** | GSM1900 | **Channel :** | CH661 |
|---|---|---|---|
| **Test Mode :** | GSM Link (GMSK) | **Frequency :** | 1880.0 MHz |

**Conducted Spurious Emission Plot between 30MHz ~ 1GHz**



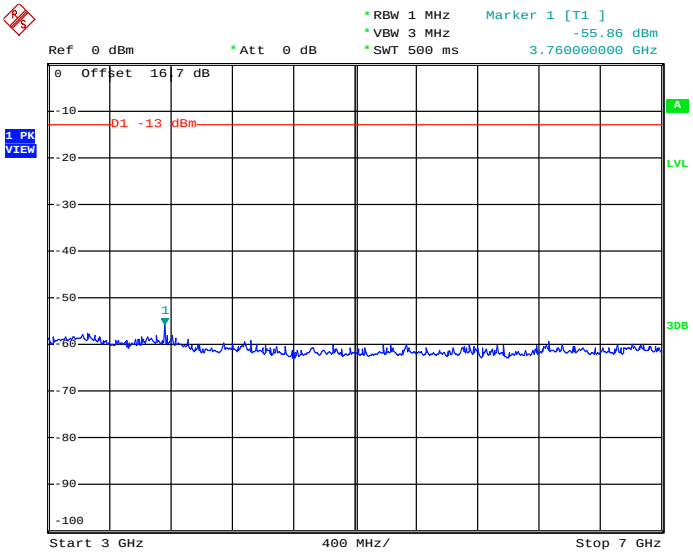

Date: 5.MAR.2015 00:49:18

**Conducted Spurious Emission Plot between 1GHz ~ 3GHz**



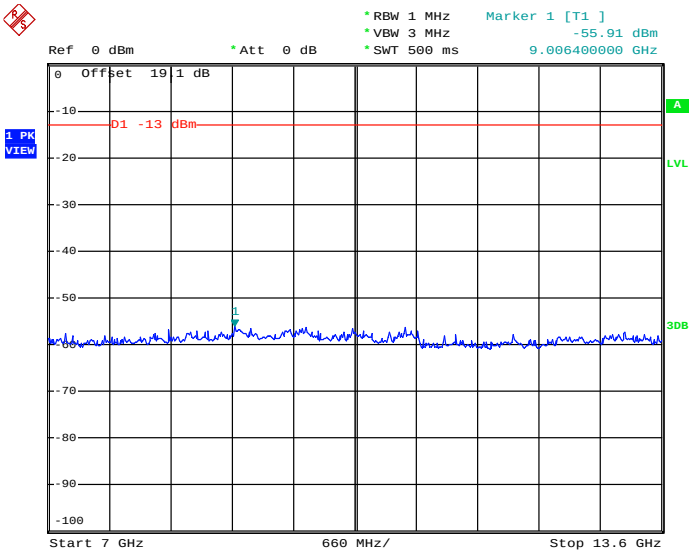

Date: 5.MAR.2015 00:51:07

## Conducted Spurious Emission Plot between 3GHz ~ 7GHz



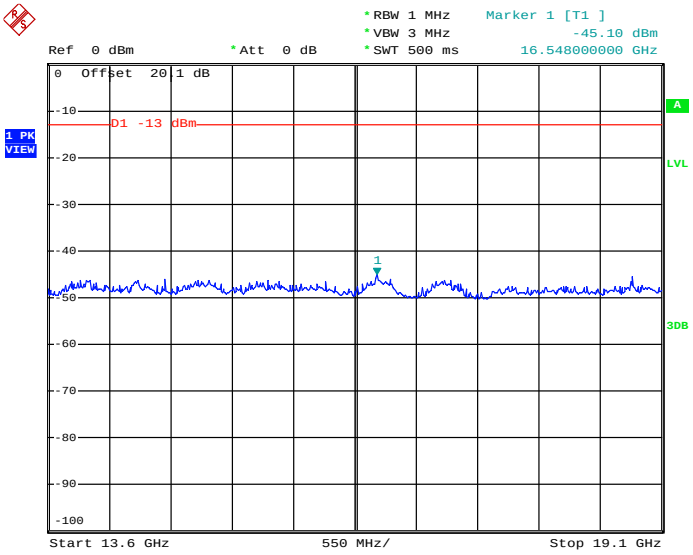

Date: 5.MAR.2015 01:18:30

## Conducted Spurious Emission Plot between 7GHz ~ 13.6GHz




Date: 5.MAR.2015 01:19:42

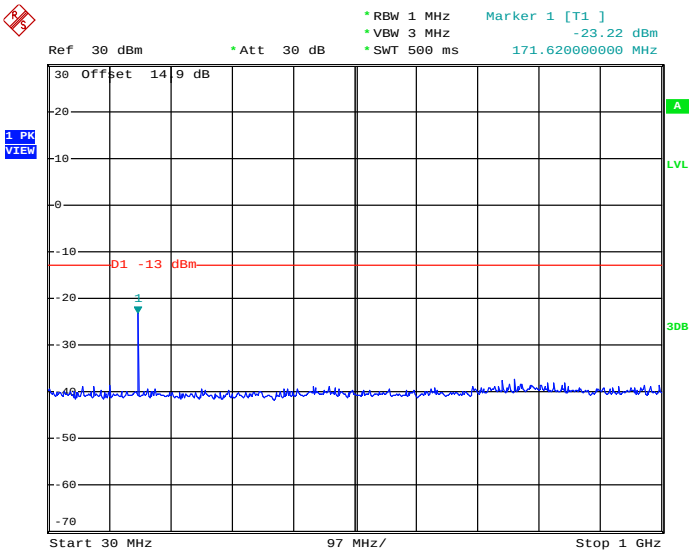
## Conducted Spurious Emission Plot between 13.6GHz ~ 19.1GHz




Date: 5.MAR.2015 01:20:49

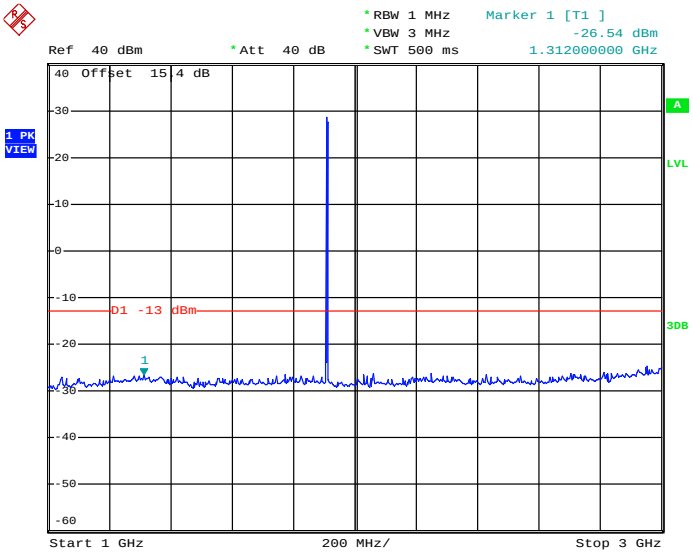
| **Band :** | GSM1900 | **Channel :** | CH810 |
|---|---|---|---|
| **Test Mode :** | GSM Link (GMSK) | **Frequency :** | 1909.8 MHz |

**Conducted Spurious Emission Plot between 30MHz ~ 1GHz**



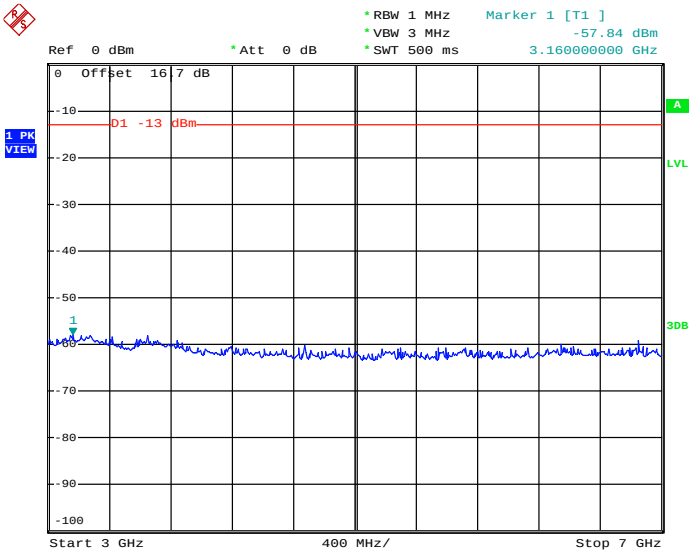

Date: 5.MAR.2015 00:49:30

**Conducted Spurious Emission Plot between 1GHz ~ 3GHz**



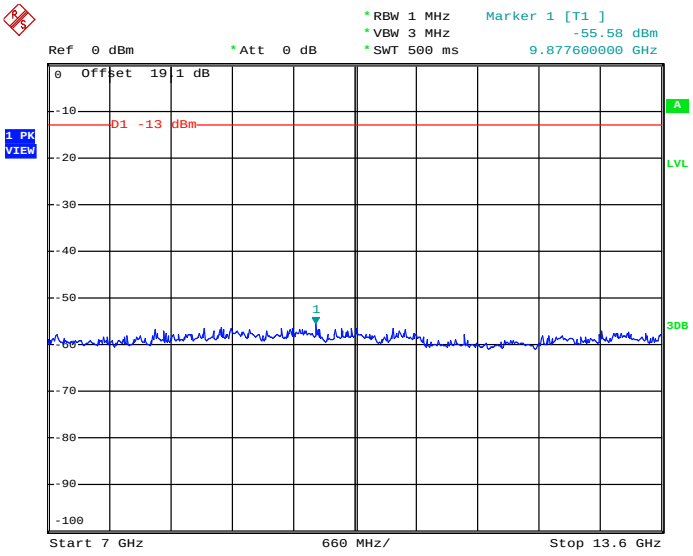

Date: 5.MAR.2015 00:50:40

## Conducted Spurious Emission Plot between 3GHz ~ 7GHz



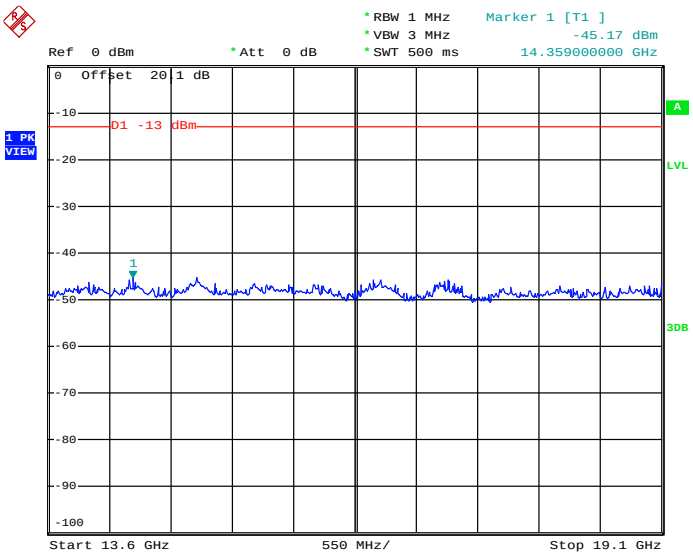

Date: 5.MAR.2015 01:18:43

## Conducted Spurious Emission Plot between 7GHz ~ 13.6GHz




Date: 5.MAR.2015 01:19:28

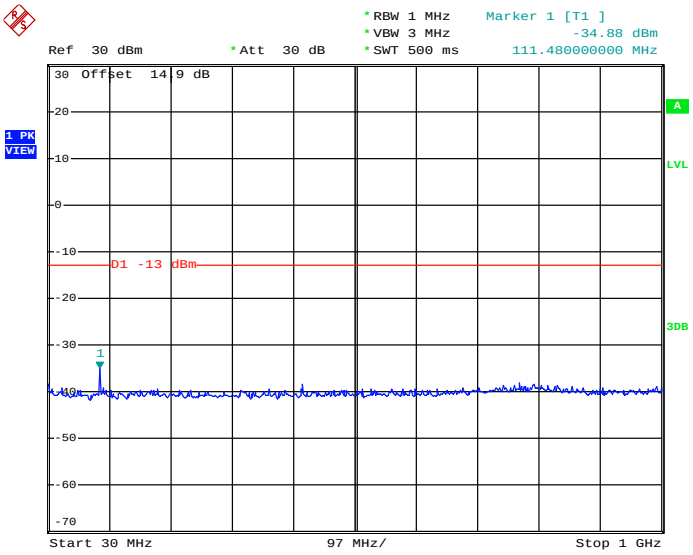
## Conducted Spurious Emission Plot between 13.6GHz ~ 19.1GHz




Date: 5.MAR.2015 01:21:05

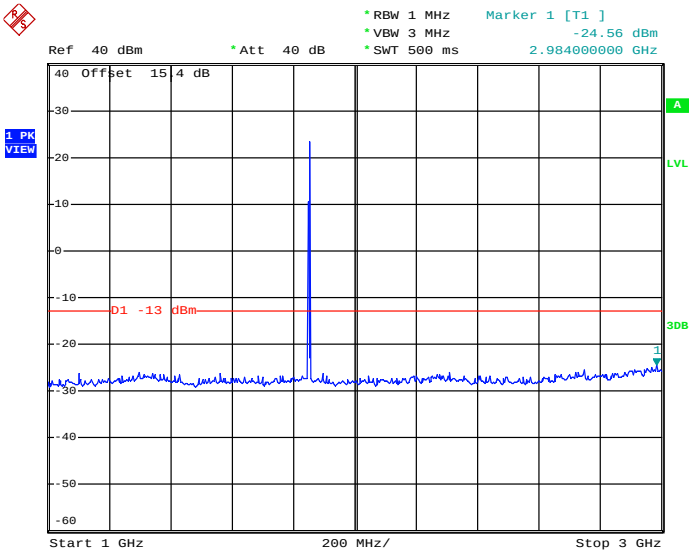
| | | | |
|---|---|---|---|
| **Band :** | GSM1900 | **Channel :** | CH512 |
| **Test Mode :** | EDGE class 8 Link (8PSK) | **Frequency :** | 1850.2 MHz |

**Conducted Spurious Emission Plot between 30MHz ~ 1GHz**



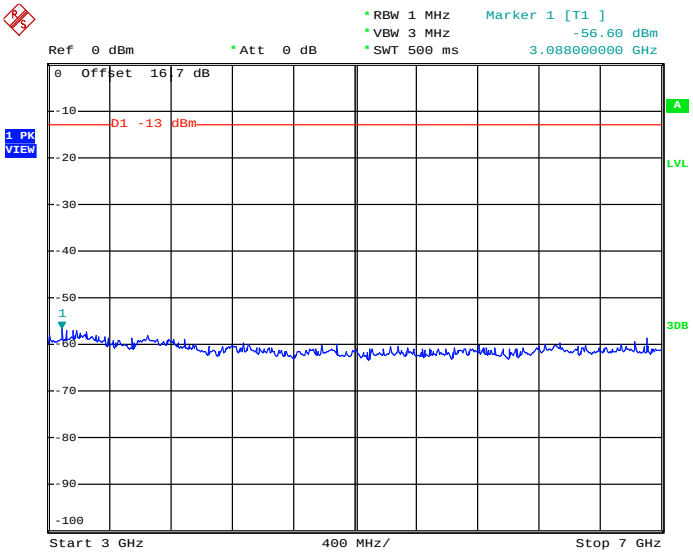

Date: 5.MAR.2015 01:34:34

**Conducted Spurious Emission Plot between 1GHz ~ 3GHz**



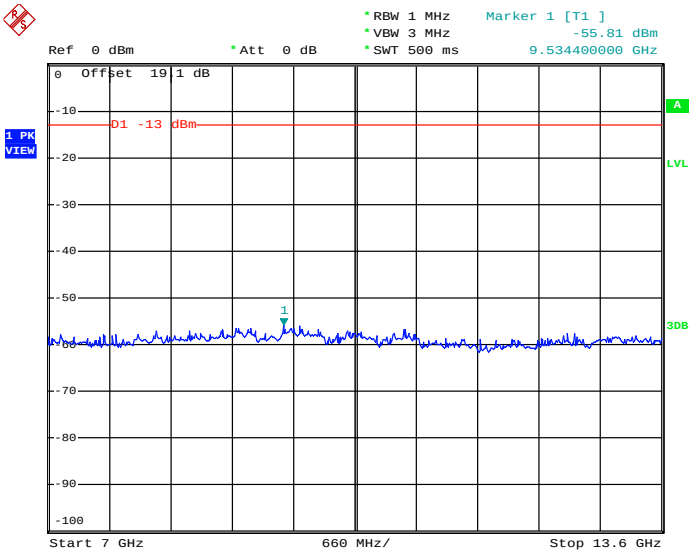

Date: 5.MAR.2015 01:33:34

## Conducted Spurious Emission Plot between 3GHz ~ 7GHz



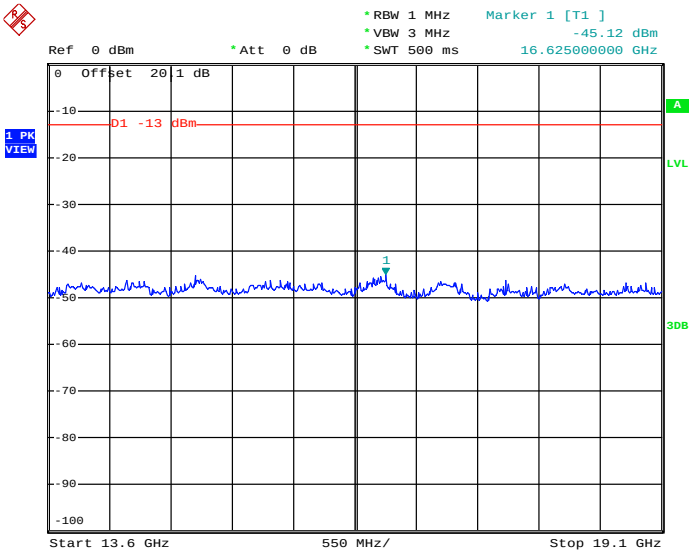

Date: 5.MAR.2015 01:39:11

## Conducted Spurious Emission Plot between 7GHz ~ 13.6GHz




Date: 5.MAR.2015 01:30:58

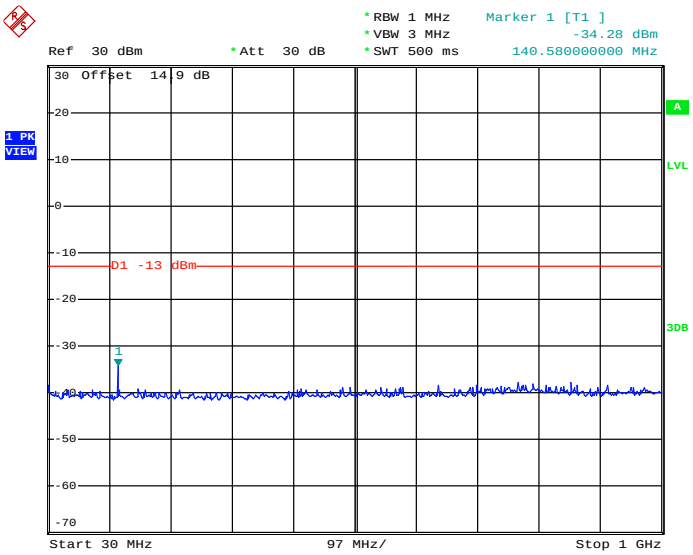
## Conducted Spurious Emission Plot between 13.6GHz ~ 19.1GHz




Date: 5.MAR.2015 01:29:26

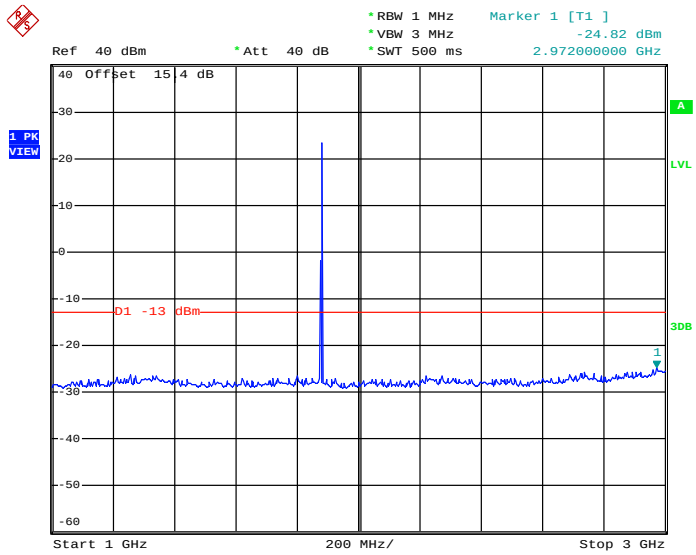
| | | | |
|---|---|---|---|
| **Band :** | GSM1900 | **Channel :** | CH661 |
| **Test Mode :** | EDGE class 8 Link (8PSK) | **Frequency :** | 1880.0 MHz |

**Conducted Spurious Emission Plot between 30MHz ~ 1GHz**




Date: 5.MAR.2015 01:34:48

**Conducted Spurious Emission Plot between 1GHz ~ 3GHz**




Date: 5.MAR.2015 01:33:56

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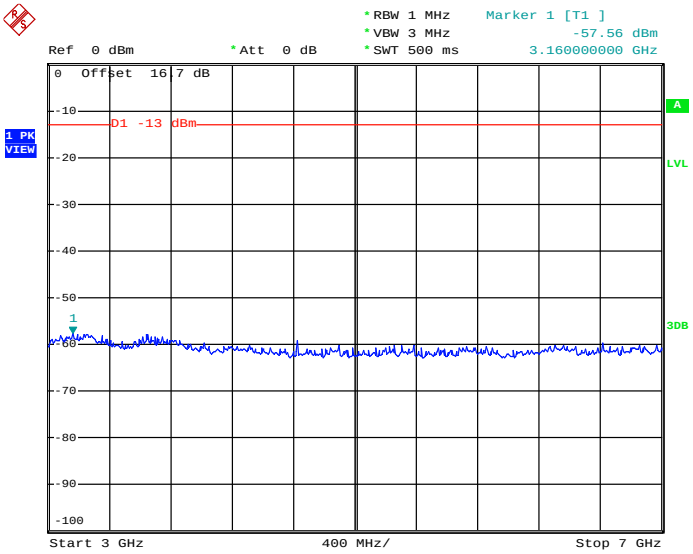
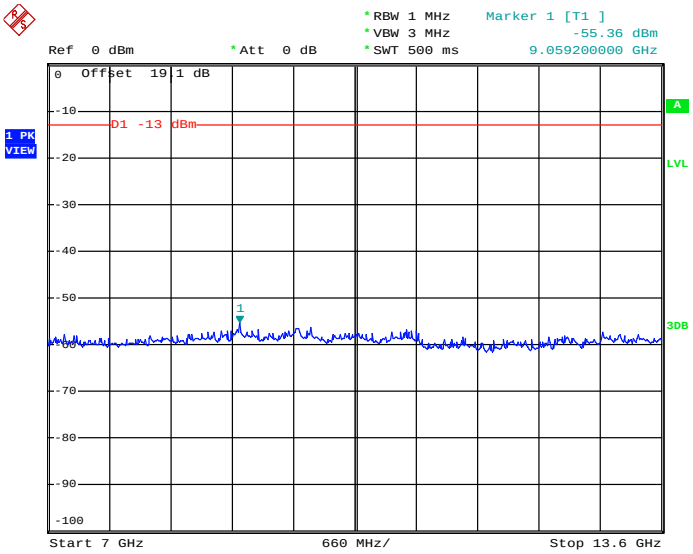
## Conducted Spurious Emission Plot between 3GHz ~ 7GHz



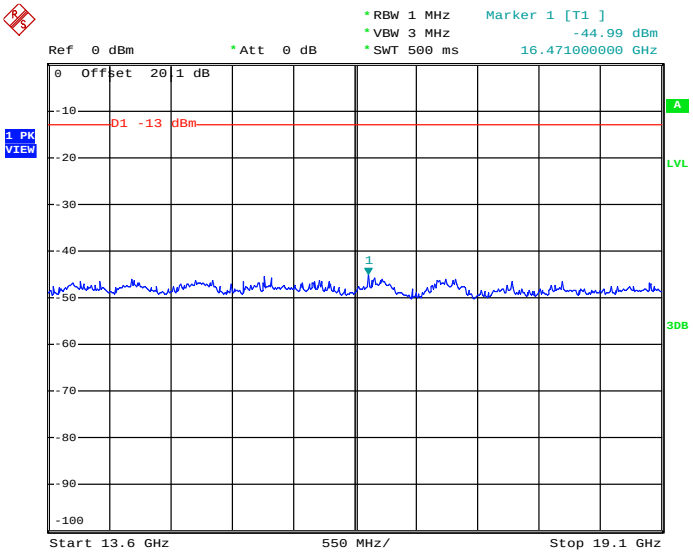

Date: 5.MAR.2015 01:31:52

## Conducted Spurious Emission Plot between 7GHz ~ 13.6GHz




Date: 5.MAR.2015 01:30:44

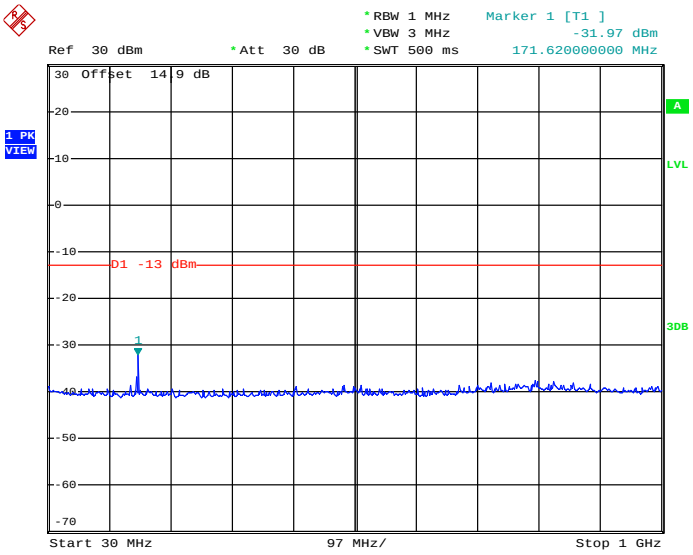
## Conducted Spurious Emission Plot between 13.6GHz ~ 19.1GHz




Date: 5.MAR.2015 01:29:40

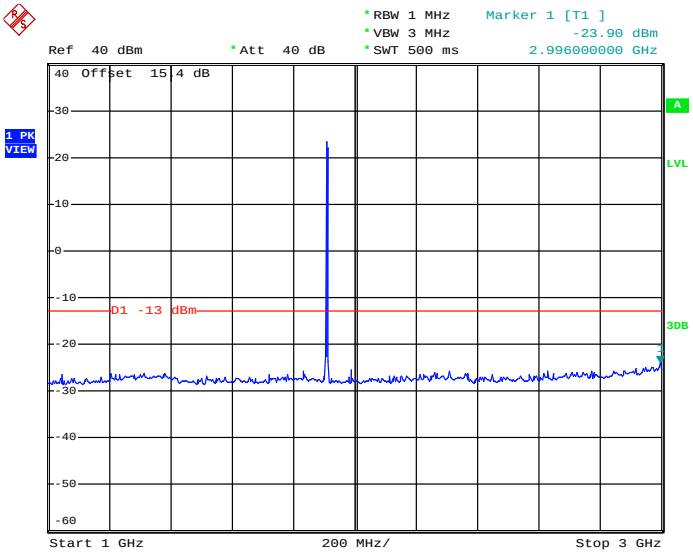
| | | | |
|---|---|---|---|
| **Band :** | GSM1900 | **Channel :** | CH810 |
| **Test Mode :** | EDGE class 8 Link (8PSK) | **Frequency :** | 1909.8 MHz |

## Conducted Spurious Emission Plot between 30MHz ~ 1GHz



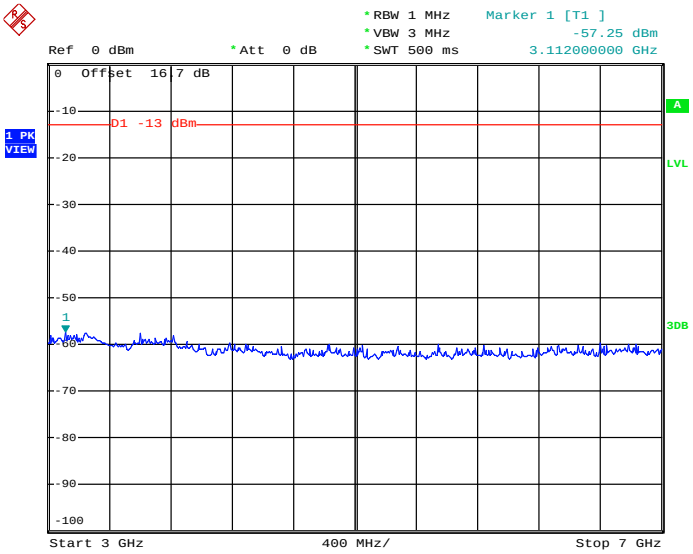

Date: 5.MAR.2015 01:35:03

## Conducted Spurious Emission Plot between 1GHz ~ 3GHz



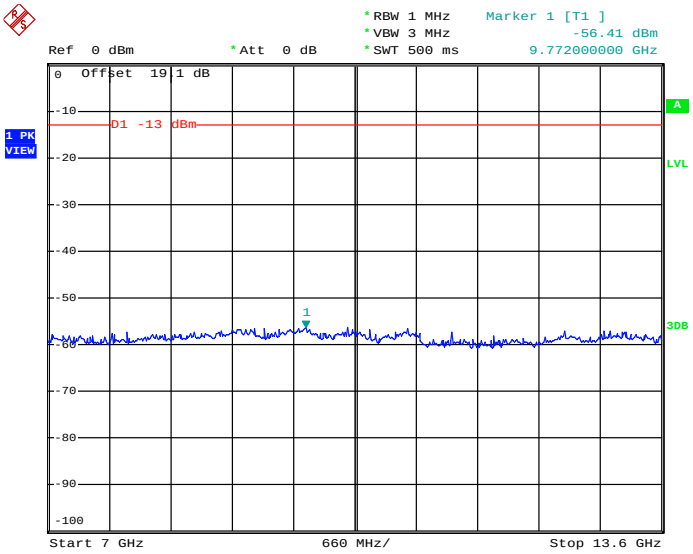

Date: 5.MAR.2015 01:33:09

## Conducted Spurious Emission Plot between 3GHz ~ 7GHz



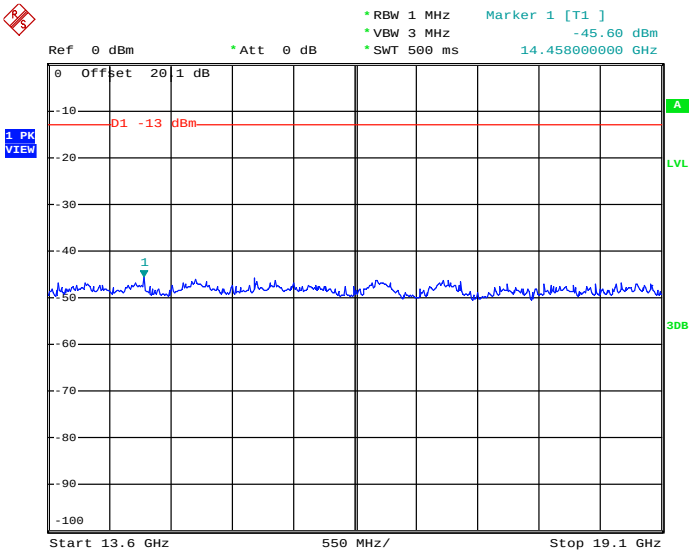

Date: 5.MAR.2015 01:32:09

## Conducted Spurious Emission Plot between 7GHz ~ 13.6GHz




Date: 5.MAR.2015 01:30:31

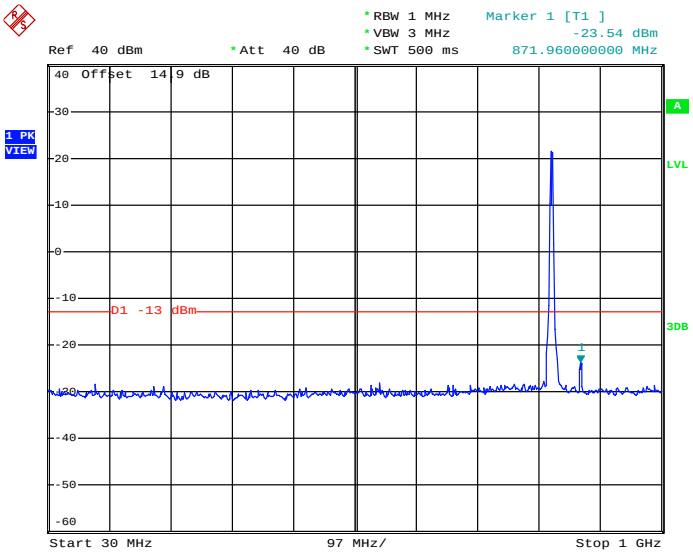
## Conducted Spurious Emission Plot between 13.6GHz ~ 19.1GHz




Date: 5.MAR.2015 01:29:52

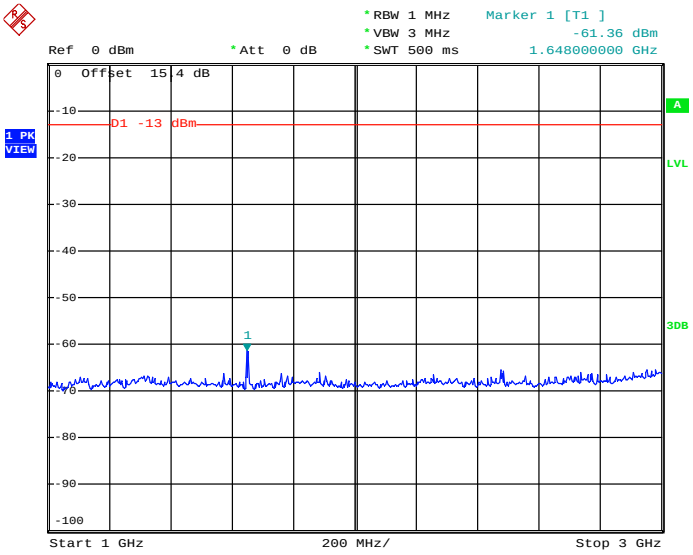
| **Band :** | WCDMA Band V | **Channel :** | CH4132 |
|---|---|---|---|
| **Test Mode :** | RMC 12.2Kbps Link (QPSK) | **Frequency :** | 826.4 MHz |

**Conducted Spurious Emission Plot between 30MHz ~ 1GHz**



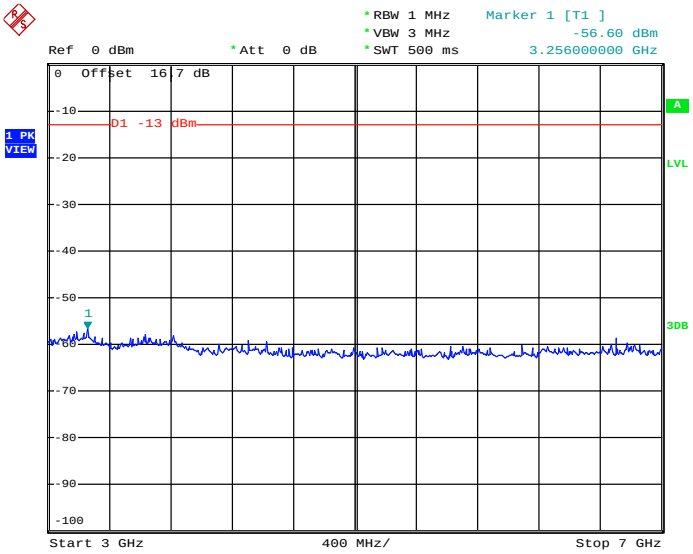

Date: 5.MAR.2015 00:31:17

**Conducted Spurious Emission Plot between 1GHz ~ 3GHz**



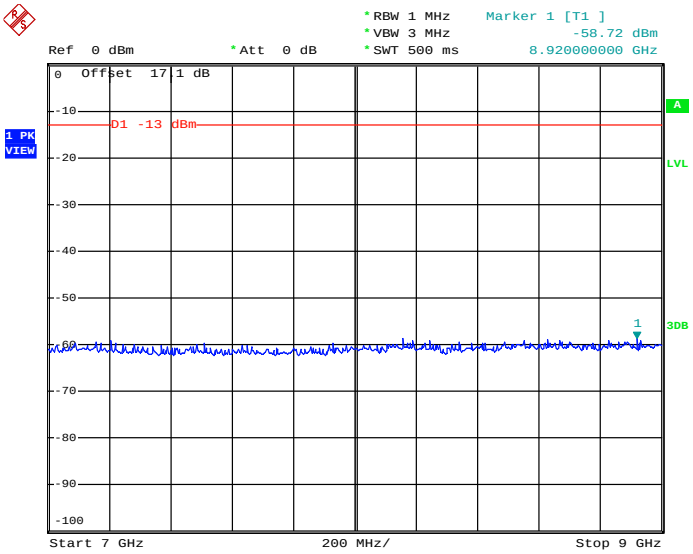

Date: 5.MAR.2015 00:34:08

## Conducted Spurious Emission Plot between 3GHz ~ 7GHz




Date: 5.MAR.2015 00:34:43

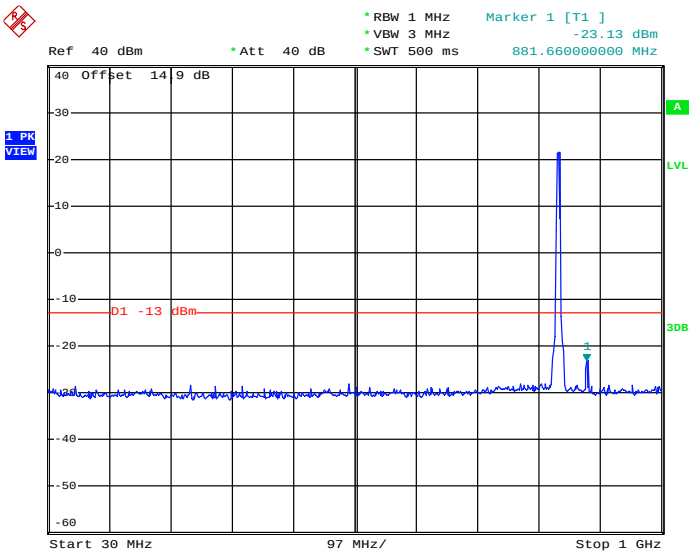
## Conducted Spurious Emission Plot between 7GHz ~ 9GHz




Date: 5.MAR.2015 00:36:34

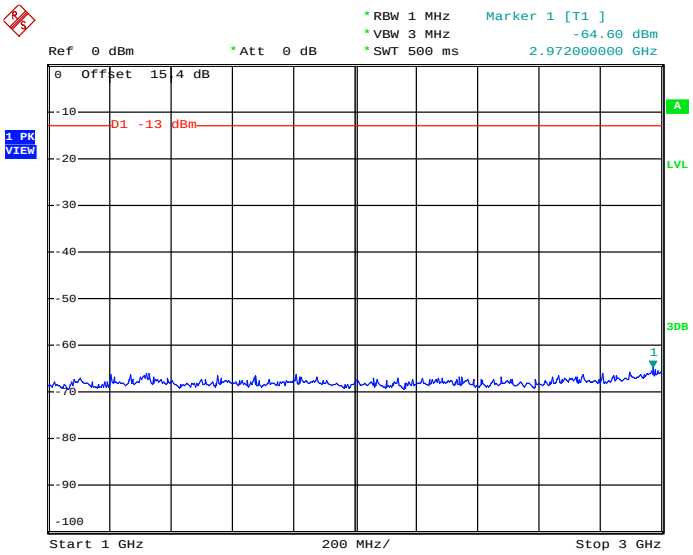
| **Band :** | WCDMA Band V | **Channel :** | CH4182 |
|---|---|---|---|
| **Test Mode :** | RMC 12.2Kbps Link (QPSK) | **Frequency :** | 836.4 MHz |

**Conducted Spurious Emission Plot between 30MHz ~ 1GHz**



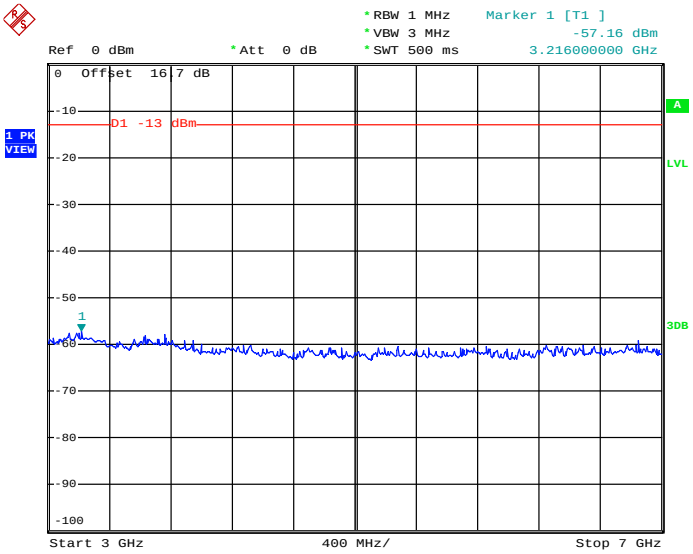

Date: 5.MAR.2015 00:32:00

**Conducted Spurious Emission Plot between 1GHz ~ 3GHz**



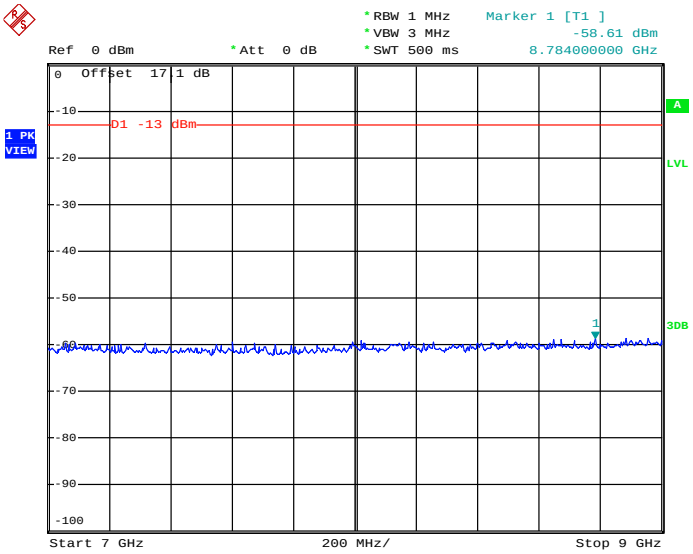

Date: 5.MAR.2015 00:33:55

## Conducted Spurious Emission Plot between 3GHz ~ 7GHz




Date: 5.MAR.2015 00:34:57

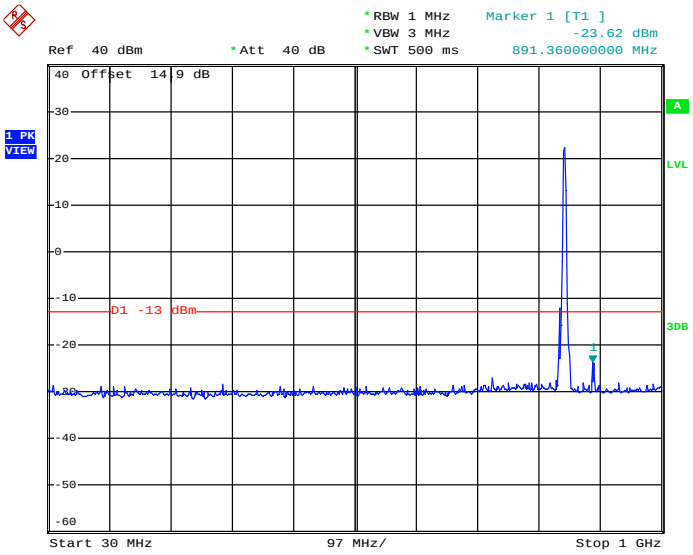
## Conducted Spurious Emission Plot between 7GHz ~ 9GHz




Date: 5.MAR.2015 00:36:19

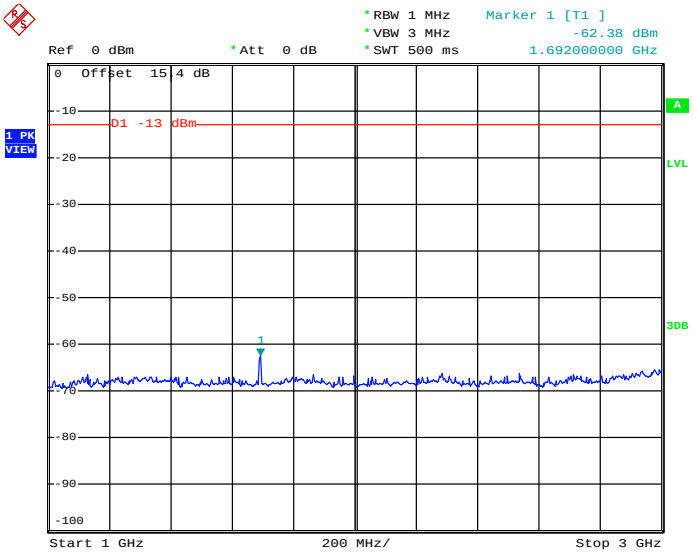
| **Band :** | WCDMA Band V | **Channel :** | CH4233 |
|---|---|---|---|
| **Test Mode :** | RMC 12.2Kbps Link (QPSK) | **Frequency :** | 846.6 MHz |

**Conducted Spurious Emission Plot between 30MHz ~ 1GHz**



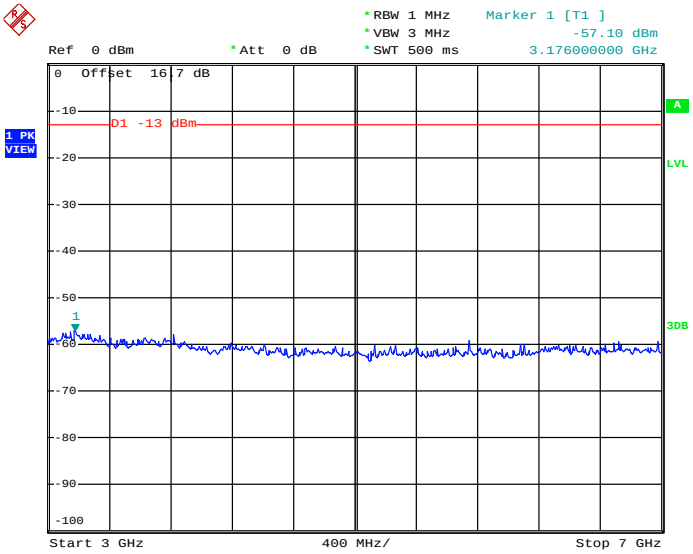

Date: 5.MAR.2015 00:32:18

**Conducted Spurious Emission Plot between 1GHz ~ 3GHz**



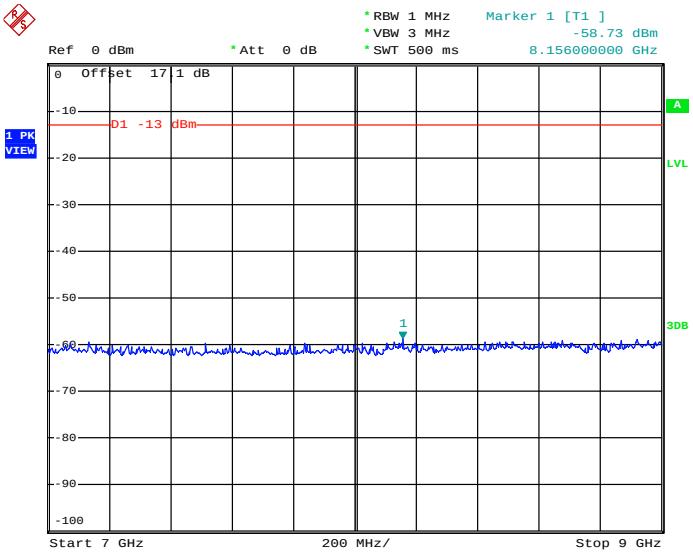

Date: 5.MAR.2015 00:33:27

## Conducted Spurious Emission Plot between 3GHz ~ 7GHz




Date: 5.MAR.2015 00:35:26

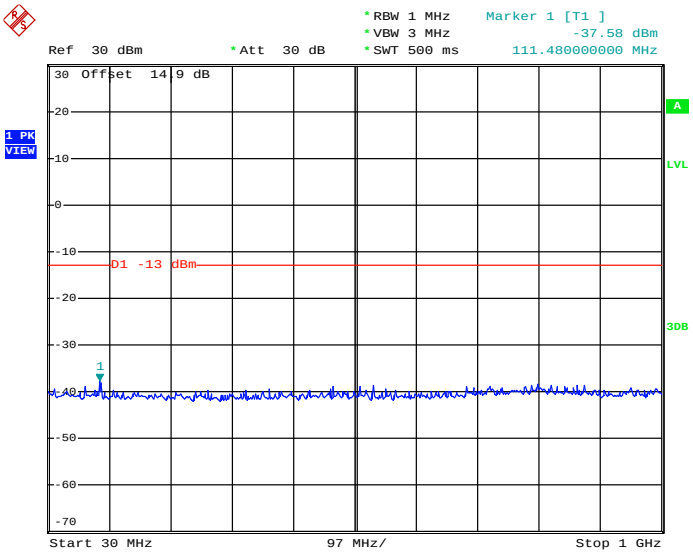
## Conducted Spurious Emission Plot between 7GHz ~ 9GHz




Date: 5.MAR.2015 00:36:02

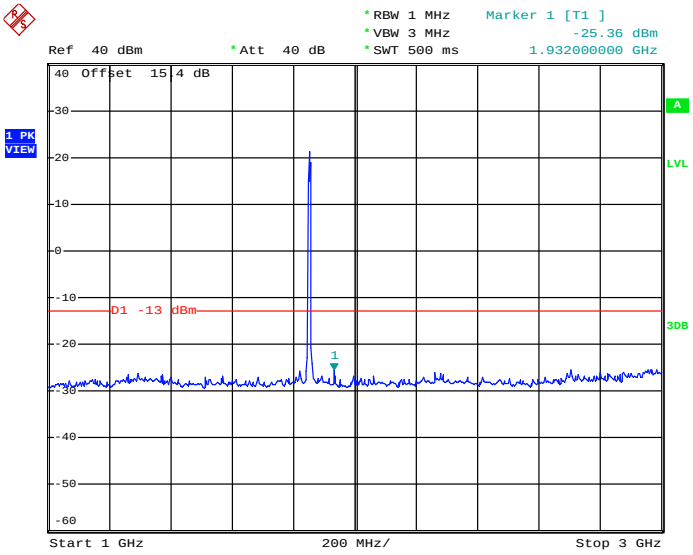
| **Band :** | WCDMA Band II | **Channel :** | CH9262 |
|---|---|---|---|
| **Test Mode :** | RMC 12.2Kbps Link (QPSK) | **Frequency :** | 1852.4 MHz |

**Conducted Spurious Emission Plot between 30MHz ~ 1GHz**



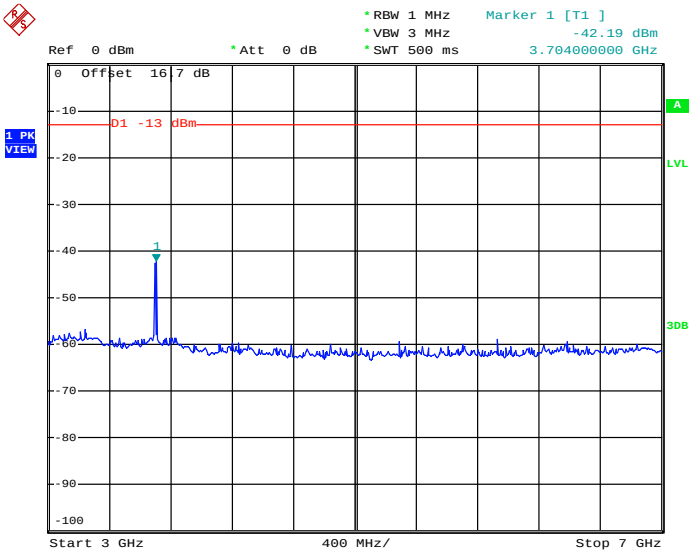

Date: 5.MAR.2015 00:39:23

**Conducted Spurious Emission Plot between 1GHz ~ 3GHz**



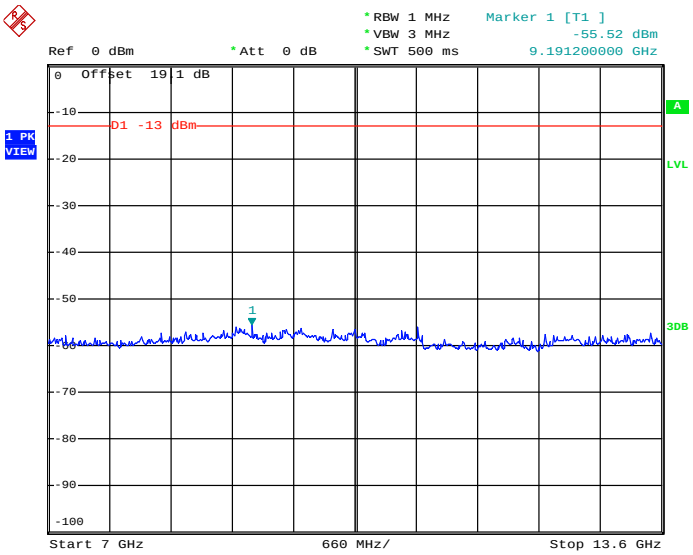

Date: 5.MAR.2015 00:41:39

## Conducted Spurious Emission Plot between 3GHz ~ 7GHz



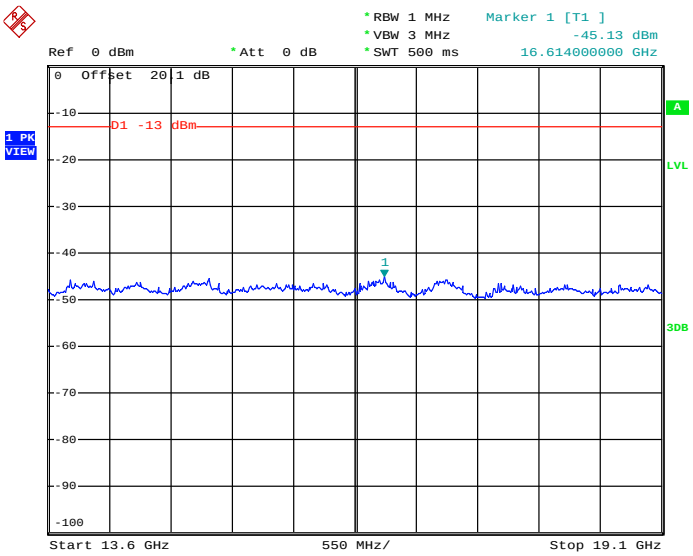

Date: 5.MAR.2015 00:42:24

## Conducted Spurious Emission Plot between 7GHz ~ 13.6GHz




Date: 5.MAR.2015 00:44:07

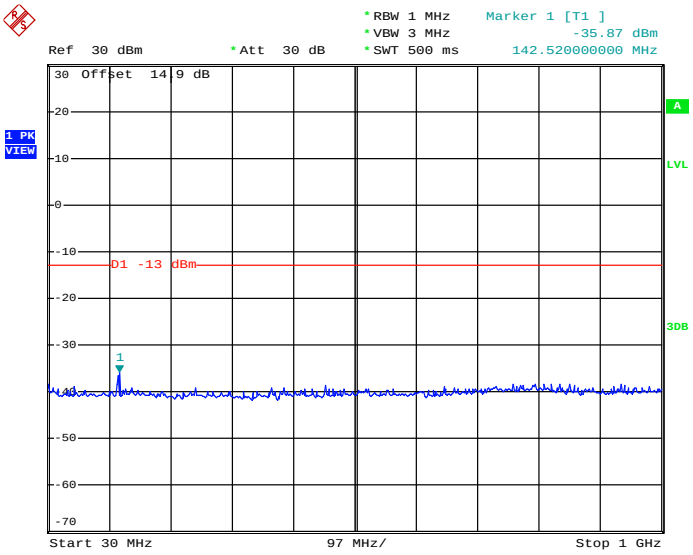
## Conducted Spurious Emission Plot between 13.6GHz ~ 19.1GHz




Date: 5.MAR.2015 00:44:49

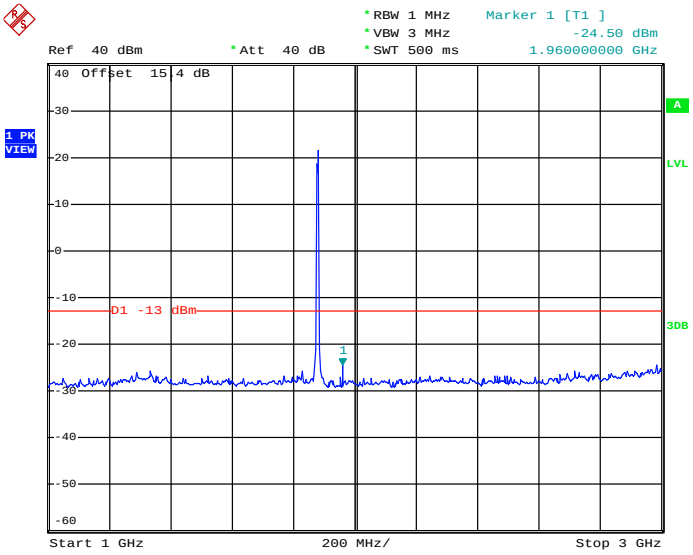
| **Band :** | WCDMA Band II | **Channel :** | CH9400 |
|---|---|---|---|
| **Test Mode :** | RMC 12.2Kbps Link (QPSK) | **Frequency :** | 1880.0 MHz |

**Conducted Spurious Emission Plot between 30MHz ~ 1GHz**



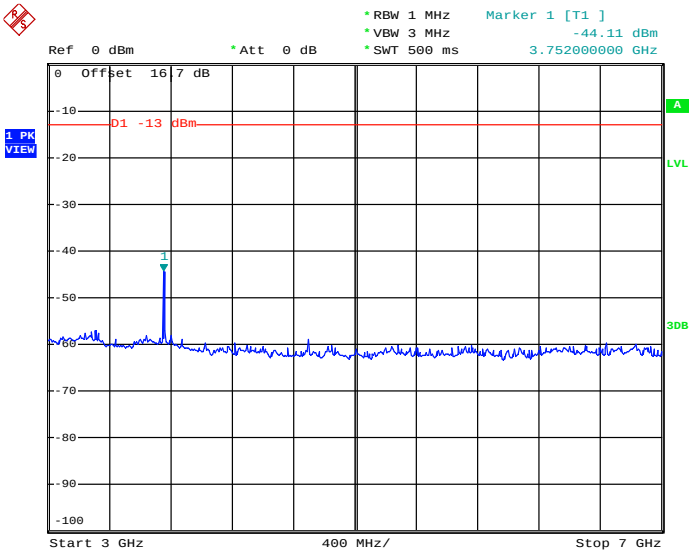

Date: 5.MAR.2015 00:39:39

**Conducted Spurious Emission Plot between 1GHz ~ 3GHz**



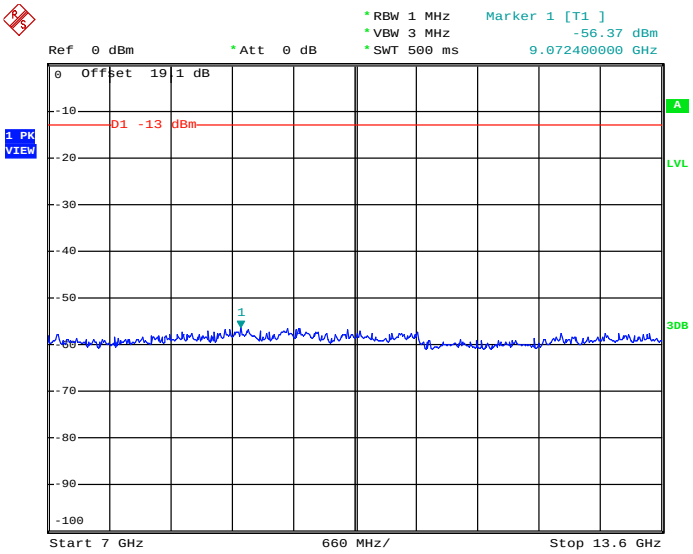

Date: 5.MAR.2015 00:41:17

## Conducted Spurious Emission Plot between 3GHz ~ 7GHz



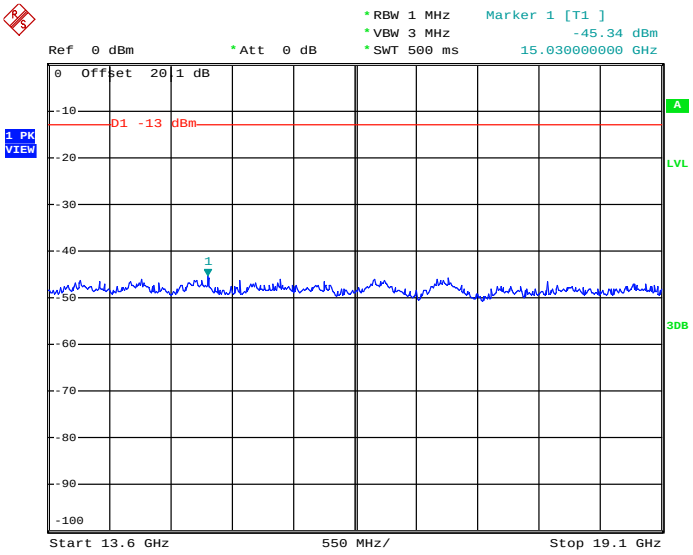

Date: 5.MAR.2015 00:42:43

## Conducted Spurious Emission Plot between 7GHz ~ 13.6GHz




Date: 5.MAR.2015 00:43:54

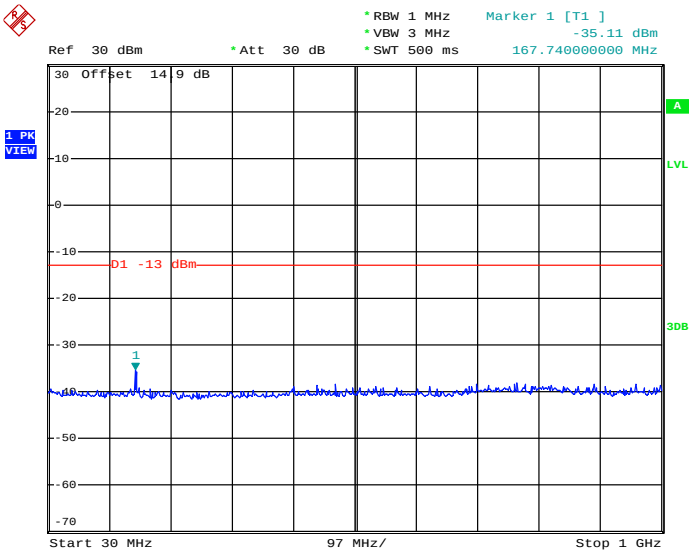
## Conducted Spurious Emission Plot between 13.6GHz ~ 19.1GHz




Date: 5.MAR.2015 00:45:11

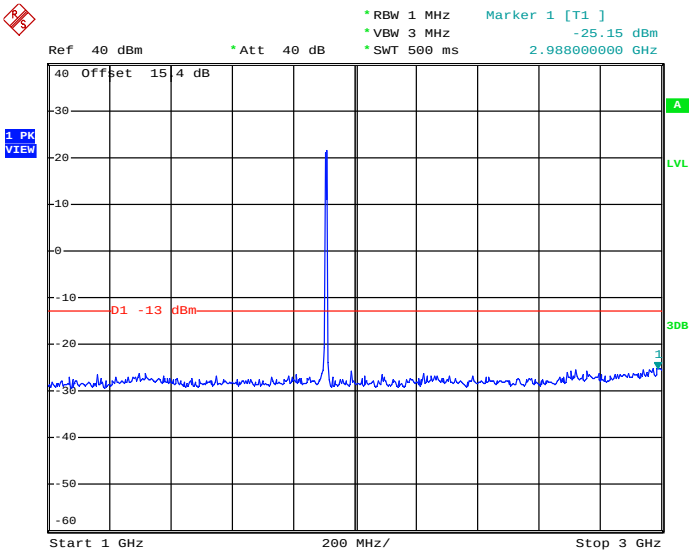
| **Band :** | WCDMA Band II | **Channel :** | CH9538 |
|---|---|---|---|
| **Test Mode :** | RMC 12.2Kbps Link (QPSK) | **Frequency :** | 1907.6 MHz |

**Conducted Spurious Emission Plot between 30MHz ~ 1GHz**



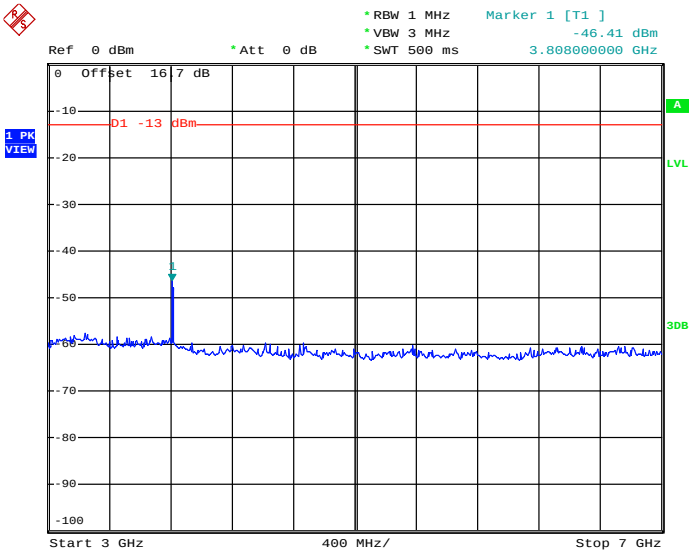

Date: 5.MAR.2015 00:40:02

**Conducted Spurious Emission Plot between 1GHz ~ 3GHz**



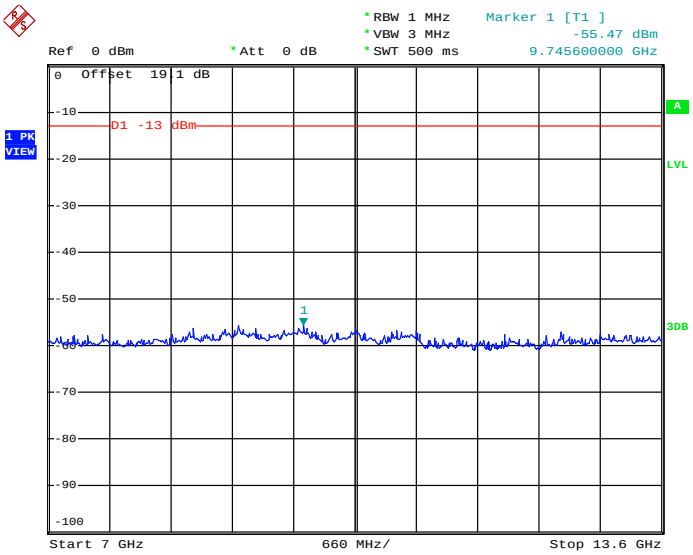

Date: 5.MAR.2015 00:40:54

## Conducted Spurious Emission Plot between 3GHz ~ 7GHz



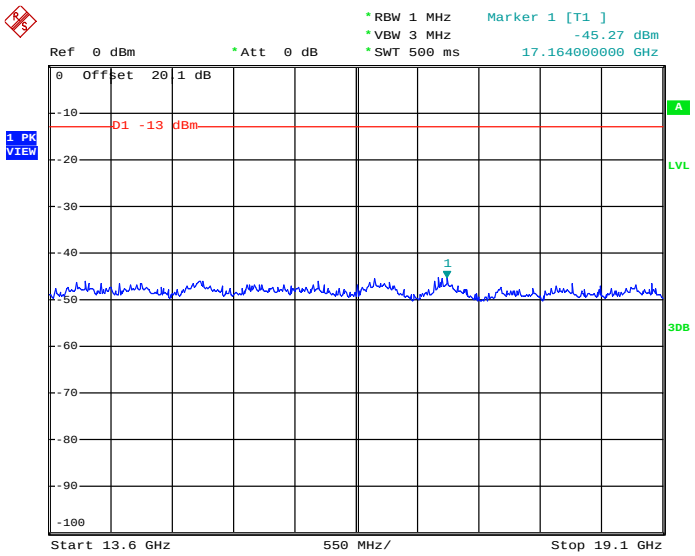

Date: 5.MAR.2015 00:42:58

## Conducted Spurious Emission Plot between 7GHz ~ 13.6GHz




Date: 5.MAR.2015 00:43:41

## Conducted Spurious Emission Plot between 13.6GHz ~ 19.1GHz




Date: 5.MAR.2015 00:45:24

# 4 List of Measuring Equipment

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---|---|---|---|---|---|---|---|---|
| Spectrum Analyzer | R&S | FSP40 | 100319 | 9kHz~40GHz | Oct. 28, 2014 | Mar. 05, 2015 | Oct. 27, 2015 | Conducted (TH01-KS) |