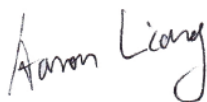
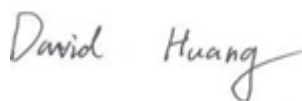



RF TEST REPORT



Report No.: 17071342-FCC-R1

Supersede Report No.: N/A

| | | |
|--|---|---|
| Applicant | SMT TELECOMM HK LIMITED | |
| Product Name | Mobile Phone | |
| Model No. | BLAZE X500 | |
| Serial No. | N/A | |
| Test Standard | FCC Part 22(H):2016 ;FCC Part 24(E):2016; FCC Part 27:2016; ANSI/TIA-603-D: 2010 | |
| Test Date | December 15, 2017 to January 07, 2018 | |
| Issue Date | January 08, 2018 | |
| Test Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Equipment complied with the specification | <input checked="" type="checkbox"/> | |
| Equipment did not comply with the specification | <input type="checkbox"/> | |
|  |  |  |
| Aarron Liang Test Engineer | David Huang Checked By | |
| This test report may be reproduced in full only Test result presented in this test report is applicable to the tested sample only | | |

Issued by:

SIEMIC (SHENZHEN-CHINA) LABORATORIES

Zone A, Floor 1, Building 2 Wan Ye Long Technology Park

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Laboratories Introduction

SIEMIC, headquartered in the heart of Silicon Valley, with superior facilities in US and Asia, is one of the leading independent testing and certification facilities providing customers with one-stop shop services for Compliance Testing and Global Certifications.



In addition to testing and certification, SIEMIC provides initial design reviews and compliance management throughout a project. Our extensive experience with China, Asia Pacific, North America, European, and International compliance requirements, assures the fastest, most cost effective way to attain regulatory compliance for the global markets.

Accreditations for Conformity Assessment

| Country/Region | Scope |
|----------------|------------------------------------|
| USA | EMC, RF/Wireless, SAR, Telecom |
| Canada | EMC, RF/Wireless, SAR, Telecom |
| Taiwan | EMC, RF, Telecom, SAR, Safety |
| Hong Kong | RF/Wireless, SAR, Telecom |
| Australia | EMC, RF, Telecom, SAR, Safety |
| Korea | EMI, EMS, RF, SAR, Telecom, Safety |
| Japan | EMI, RF/Wireless, SAR, Telecom |
| Singapore | EMC, RF, SAR, Telecom |
| Europe | EMC, RF, SAR, Telecom, Safety |

| | |
|-------------|-----------------|
| Test Report | 17071342-FCC-R1 |
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1. Report Revision History

| Report No. | Report Version | Description | Issue Date |
|-----------------|----------------|-------------|------------------|
| 17071342-FCC-R1 | NONE | Original | January 08, 2018 |
| | | | |
| | | | |
| | | | |
| | | | |

2. Customer information

| | |
|------------------|---|
| Applicant Name | SMT TELECOMM HK LIMITED |
| Applicant Add | Unit C 8/F, CHARMHILL CTR 50 HILLWOOD RD TST KL |
| Manufacturer | SMT TELECOMM HK LIMITED |
| Manufacturer Add | Unit C 8/F, CHARMHILL CTR 50 HILLWOOD RD TST KL |

3. Test site information

Test Lab A:

| | |
|----------------------|--|
| Lab performing tests | SIEMIC (Shenzhen-China) LABORATORIES |
| Lab Address | Zone A, Floor 1, Building 2 Wan Ye Long Technology Park South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China 518108 |
| FCC Test Site No. | 535293 |
| IC Test Site No. | 4842E-1 |
| Test Software | Radiated Emission Program-To Shenzhen v2.0 |

Test Lab B:

| | |
|----------------------|---|
| Lab performing tests | SIEMIC (Nanjing-China) Laboratories |
| Lab Address | 2-1 Longcang Avenue Yuhua Economic and Technology Development Park, Nanjing, China |
| FCC Test Site No. | 694825 |
| IC Test Site No. | 4842B-1 |
| Test Software | EZ_EMG(ver.lcp-03A1) |

Note: We just perform Radiated Spurious Emission above 18GHz in the test Lab. B.

4. Equipment under Test (EUT) Information

| | |
|----------------------|--|
| Description of EUT: | Mobile Phone |
| Main Model: | BLAZE X500 |
| Serial Model: | N/A |
| Date EUT received: | December 15, 2017 |
| Test Date(s): | December 15, 2017 to January 07, 2018 |
| Equipment Category : | PCE |
| Antenna Gain: | GSM850: 3.24dBi PCS1900: 3.02dBi UMTS-FDD Band V: 3.16dBi UMTS-FDD Band IV: 3.27dBi UMTS-FDD Band II: 3.14dBi WIFI: 2.64dBi Bluetooth/BLE: 2.64dBi GPS: 2.47dBi |
| Antenna Type: | PIFA antenna |
| Type of Modulation: | GSM / GPRS: GMSK EGPRS: GMSK UMTS-FDD: QPSK 802.11b/g/n: DSSS, OFDM Bluetooth: GFSK, π /4DQPSK, 8DPSK BLE: GFSK GPS: BPSK |

RF Operating Frequency (ies):

GSM850 TX: 824.2 ~ 848.8 MHz; RX: 869.2 ~ 893.8 MHz
 PCS1900 TX: 1850.2 ~ 1909.8 MHz; RX: 1930.2 ~ 1989.8 MHz
 UMTS-FDD Band V TX: 826.4 ~ 846.6 MHz; RX: 871.4 ~ 891.6 MHz
 UMTS-FDD Band II TX: 1852.4 ~ 1907.6 MHz;
 RX: 1932.4 ~ 1987.6 MHz
 UMTS-FDD Band IV TX: 1712.4 ~ 1752.6 MHz;
 RX : 2112.4 ~ 2152.6 MHz
 WIFI: 802.11b/g/n(20M): 2412-2462 MHz
 WIFI: 802.11n(40M): 2422-2452 MHz
 Bluetooth& BLE: 2402-2480 MHz
 GPS: 1575.42 MHz

Maximum Conducted
 AV Power to Antenna:

GSM Voice: GSM850: 32.20dBm
 PCS1900: 30.02dBm
 GPRS: GSM850: 32.24dBm
 PCS1900: 30.02dBm
 EGPRS(MCS1): GSM850: 32.24dBm
 PCS1900: 30.00 dBm
 RMC: UMTS-FDD Band V: 23.30 dBm
 UMTS-FDD Band II: 22.12 dBm
 UMTS-FDD Band IV: 23.06 dBm
 HSUPA: UMTS-FDD Band V: 22.70dBm
 UMTS-FDD Band II: 21.51dBm
 UMTS-FDD Band IV: 22.50dBm
 HSDPA: UMTS-FDD Band V: 22.67dBm
 UMTS-FDD Band II: 21.48 dBm
 UMTS-FDD Band IV: 22.46 dBm

ERP/EIRP:

GSM Voice: GSM850: 28.13dBm / ERP
 PCS1900: 29.40 dBm / EIRP
 GPRS: GSM850: 28.17dBm / ERP
 PCS1900: 29.40 dBm / EIRP
 EGPRS(MCS1): GSM850: 28.17 dBm / ERP
 PCS1900: 29.36 dBm / EIRP
 RMC: UMTS-FDD Band V: 19.23dBm / ERP
 UMTS-FDD Band II: 21.50 dBm / EIRP
 UMTS-FDD Band IV: 22.89 dBm / EIRP

HSDPA:UMTS-FDD Band V: 18.55 dBm / ERP
 UMTS-FDD Band II: 21.15 dBm / EIRP
 UMTS-FDD Band IV: 22.89 dBm / EIRP
 HSUPA:UMTS-FDD Band V:18.49 dBm / ERP
 UMTS-FDD Band II: 20.08dBm / EIRP
 UMTS-FDD Band IV: 22.89 dBm / EIRP

Number of Channels:

GSM 850: 124CH
 PCS1900: 299CH
 UMTS-FDD Band V: 102CH
 UMTS-FDD Band IV: 202CH
 UMTS-FDD Band II: 277CH
 WIFI :802.11b/g/n(20M): 11CH
 WIFI :802.11n(40M): 7CH
 Bluetooth: 79CH
 BLE: 40CH
 GPS:1CH

Port: USB Port, Earphone Port

Adapter:
 Model: PCX500
 Input: AC100-240V~50/60Hz,0.15A
 Output: DC 5.0V-700mAh
 Input Power: Battery
 Model: BPX500
 Voltage: 3.7V/ 7.4Wh
 Battery Capacity: 2000mAh
 Charging Limited Voltage: 4.2V

Trade Name : N/A

GPRS/ EGPRS Multi-slot class 8/10/11/12

FCC ID: 2AIMEX500

5. Test Summary

The product was tested in accordance with the following specifications.

All testing has been performed according to below product classification:

| FCC Rules | Description of Test | Result |
|--|--|------------|
| § 1.1307; § 2.1093 | RF Exposure (SAR) | Compliance |
| §2.1046; § 22.913(a); § 24.232(c); § 27.50(c.10) ; § 27.50(d.4) | RF Output Power | Compliance |
| § 24.232 (d) ; § 27.50(d) | Peak-Average Ratio | Compliance |
| § 2.1049; § 22.905; § 22.917; § 24.238; § 27.53(a.5) | 99% & -26 dB Occupied Bandwidth | Compliance |
| § 2.1051; § 22.917(a); § 24.238(a); § 27.53(h) | Spurious Emissions at Antenna Terminal | Compliance |
| § 2.1053; § 22.917(a); § 24.238(a); § 27.53(h) | Field Strength of Spurious Radiation | Compliance |
| § 22.917(a); § 24.238(a); § 27.53(h) | Out of band emission, Band Edge | Compliance |
| § 2.1055; § 22.355; § 24.235; § 27.5(h); § 27.54 | Frequency stability vs. temperature Frequency stability vs. voltage | Compliance |

Note: Testing was performed by configuring EUT to maximum output power status, the declared output power class for different

Measurement Uncertainty

| Emissions | | |
|--|---|---------------|
| Test Item | Description | Uncertainty |
| Band Edge and Radiated Spurious Emissions | Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m X 0.5m) | +5.6dB/-4.5dB |
| - | - | - |

6. MEASUREMENTS, EXAMINATION AND DERIVED RESULTS

6.1 RF Exposure (SAR)

Test Result: Pass

The EUT is a portable device, thus requires SAR evaluation;

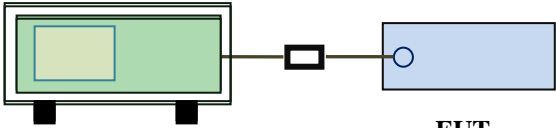
Please refer to RF Exposure Evaluation Report: 17071342-FCC-H.

6.2 RF Output Power

| | |
|----------------------|-------------------|
| Temperature | 25°C |
| Relative Humidity | 57% |
| Atmospheric Pressure | 1023mbar |
| Test date : | December 27, 2017 |
| Tested By : | Aarron Liang |

Requirement(s):

| Spec | Item | Requirement | Applicable |
|-------------|------|--------------|-------------------------------------|
| §22.913 (a) | a) | ERP:38.45dBm | <input checked="" type="checkbox"/> |
| §24.232 (c) | b) | EIRP:33dBm | <input checked="" type="checkbox"/> |
| §27.50 (c) | c) | EIRP: 30dBm | <input checked="" type="checkbox"/> |

| | |
|------------|---|
| Test Setup |  <p style="text-align: center;">Base Station EUT</p> |
|------------|---|

| | |
|----------------|---|
| Test Procedure | <p>For Conducted Power:</p> <ul style="list-style-type: none"> - The transmitter output port was connected to base station. - Set EUT at maximum power through base station. - Select lowest, middle, and highest channels for each band and different test mode. <p>For ERP/EIRP:</p> <p>According with KDB 971168 v02r02</p> <ul style="list-style-type: none"> - The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable. - The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis. - The frequency range up to tenth harmonic of the fundamental |
|----------------|---|

| | |
|--------|---|
| | <p>frequency was investigated.</p> <ul style="list-style-type: none"> - Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution. - Spurious emissions in dB = $10 \log (\text{TX power in Watts}/0.001)$ – the absolute level - Spurious attenuation limit in dB = $43 + 10 \text{ Log}_{10} (\text{power out in Watts})$. |
| Remark | |
| Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |

Test Data Yes N/A

Test Plot Yes (See below) N/A

Conducted Power

GSM Mode:

| Burst Average Power (dBm); | | | | | | | | |
|--|--------------|-------|-------|------------------------|---------|-------|--------------|------------------------|
| Band | GSM850 | | | | PCS1900 | | | |
| Channel | 128 | 190 | 251 | Tune up Power tolerant | 512 | 661 | 810 | Tune up Power tolerant |
| Frequency (MHz) | 824.2 | 836.6 | 848.8 | / | 1850.2 | 1880 | 1909.8 | / |
| GSM Voice (1 uplink),GMSK | 32.20 | 32.16 | 32.05 | 32±1 | 29.56 | 29.92 | 30.02 | 30±1 |
| GPRS Multi-Slot Class 8 (1 uplink),GMSK | 32.24 | 32.20 | 32.12 | 32±1 | 29.52 | 29.90 | 30.02 | 30±1 |
| GPRS Multi-Slot Class 10 (2 uplink),GMSK | 31.47 | 31.41 | 31.29 | 31±1 | 28.65 | 29.22 | 29.44 | 29±1 |
| GPRS Multi-Slot Class 11 (3 uplink) GMSK | 29.25 | 29.16 | 28.94 | 29±1 | 26.74 | 27.38 | 27.80 | 27±1 |
| GPRS Multi-Slot Class 12 (4 uplink) GMSK | 27.78 | 27.65 | 27.44 | 27±1 | 25.32 | 26.24 | 26.74 | 26±1 |
| EGPRS Multi-Slot Class 8 (1 uplink) GMSK MCS1 | 32.24 | 32.19 | 32.06 | 32±1 | 29.67 | 29.98 | 30.00 | 30±1 |
| EGPRS Multi-Slot Class 10 (2 uplink) GMSK MCS1 | 31.36 | 31.32 | 31.20 | 31±1 | 28.80 | 29.40 | 29.58 | 29±1 |
| EGPRS Multi-Slot Class 11 (3 uplink) GMSK MCS1 | 29.22 | 29.09 | 28.88 | 29±1 | 26.80 | 27.60 | 28.02 | 27.5±1 |
| EGPRS Multi-Slot Class 12 (4 uplink) GMSK MCS1 | 27.76 | 27.63 | 27.44 | 27±1 | 25.35 | 26.25 | 26.60 | 26±1 |

Remark :

GPRS, CS1 coding scheme.

EGPRS, MCS1 coding scheme.

| | |
|-------------|-----------------|
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Multi-Slot Class 8 , Support Max 4 downlink, 1 uplink , 5 working link

Multi-Slot Class 10 , Support Max 4 downlink, 2 uplink , 5 working link

Multi-Slot Class 11 , Support Max 4 downlink, 2 uplink , 5 working link

Multi-Slot Class 12 , Support Max 4 downlink, 4 uplink , 5 working link

UMTS Mode:

UMTS-FDD Band V

| Band/ Time Slot configuration | Channel | Frequency | Average power (dBm) | Tune up Power tolerant |
|-------------------------------|---------|-----------|---------------------|------------------------|
| RMC 12.2kbps | 4132 | 826.4 | 23.30 | 23±1 |
| | 4175 | 835 | 23.07 | 23±1 |
| | 4233 | 846.6 | 23.00 | 23±1 |
| HSDPA Subtest1 | 4132 | 826.4 | 22.63 | 22±1 |
| | 4175 | 835 | 22.36 | 22±1 |
| | 4233 | 846.6 | 22.30 | 22±1 |
| HSDPA Subtest2 | 4132 | 826.4 | 22.62 | 22±1 |
| | 4175 | 835 | 22.43 | 22±1 |
| | 4233 | 846.6 | 22.43 | 22±1 |
| HSDPA Subtest3 | 4132 | 826.4 | 22.61 | 22±1 |
| | 4175 | 835 | 22.28 | 22±1 |
| | 4233 | 846.6 | 22.32 | 22±1 |
| HSDPA Subtest4 | 4132 | 826.4 | 22.72 | 22±1 |
| | 4175 | 835 | 22.34 | 22±1 |
| | 4233 | 846.6 | 22.44 | 22±1 |
| HSUPA Subtest1 | 4132 | 826.4 | 22.67 | 22±1 |
| | 4175 | 835 | 22.39 | 22±1 |
| | 4233 | 846.6 | 22.31 | 22±1 |
| HSUPA Subtest2 | 4132 | 826.4 | 22.56 | 22±1 |
| | 4175 | 835 | 22.35 | 22±1 |
| | 4233 | 846.6 | 22.30 | 22±1 |
| HSUPA Subtest3 | 4132 | 826.4 | 22.64 | 22±1 |
| | 4175 | 835 | 22.43 | 22±1 |
| | 4233 | 846.6 | 22.33 | 22±1 |
| HSUPA Subtest4 | 4132 | 826.4 | 22.56 | 22±1 |
| | 4175 | 835 | 22.12 | 22±1 |
| | 4233 | 846.6 | 22.28 | 22±1 |
| HSUPA Subtest5 | 4132 | 826.4 | 22.50 | 22±1 |
| | 4175 | 835 | 22.34 | 22±1 |
| | 4233 | 846.6 | 22.35 | 22±1 |

UMTS-FDD Band II

| Band/ Time Slot configuration | Channel | Frequency | Average power (dBm) | Tune up Power tolerant |
|-------------------------------|---------|-----------|---------------------|------------------------|
| RMC 12.2kbps | 9262 | 1852.4 | 21.65 | 22±1 |
| | 9400 | 1880 | 22.08 | 22±1 |
| | 9538 | 1907.6 | 22.12 | 22±1 |
| HSDPA Subtest1 | 9262 | 1852.4 | 21.01 | 22±1 |
| | 9400 | 1880 | 21.29 | 22±1 |
| | 9538 | 1907.6 | 21.35 | 22±1 |
| HSDPA Subtest2 | 9262 | 1852.4 | 21.01 | 22±1 |
| | 9400 | 1880 | 21.46 | 22±1 |
| | 9538 | 1907.6 | 21.51 | 22±1 |
| HSDPA Subtest3 | 9262 | 1852.4 | 20.92 | 22±1 |
| | 9400 | 1880 | 21.39 | 22±1 |
| | 9538 | 1907.6 | 21.51 | 22±1 |
| HSDPA Subtest4 | 9262 | 1852.4 | 20.93 | 22±1 |
| | 9400 | 1880 | 21.46 | 22±1 |
| | 9538 | 1907.6 | 21.49 | 22±1 |
| HSUPA Subtest1 | 9262 | 1852.4 | 20.98 | 21±1 |
| | 9400 | 1880 | 21.41 | 22±1 |
| | 9538 | 1907.6 | 21.33 | 22±1 |
| HSUPA Subtest2 | 9262 | 1852.4 | 21.00 | 21±1 |
| | 9400 | 1880 | 21.15 | 22±1 |
| | 9538 | 1907.6 | 21.47 | 22±1 |
| HSUPA Subtest3 | 9262 | 1852.4 | 21.03 | 22±1 |
| | 9400 | 1880 | 21.46 | 22±1 |
| | 9538 | 1907.6 | 21.35 | 22±1 |
| HSUPA Subtest4 | 9262 | 1852.4 | 20.77 | 21±1 |
| | 9400 | 1880 | 21.38 | 22±1 |
| | 9538 | 1907.6 | 21.20 | 22±1 |
| HSUPA Subtest5 | 9262 | 1852.4 | 21.01 | 21±1 |
| | 9400 | 1880 | 21.48 | 22±1 |
| | 9538 | 1907.6 | 21.32 | 22±1 |

UMTS-FDD Band IV

| Band/ Time Slot configuration | Channel | Frequency | Average power (dBm) | Tune up Power tolerant |
|-------------------------------|---------|-----------|---------------------|------------------------|
| RMC 12.2kbps | 1313 | 1712.6 | 23.00 | 23±1 |
| | 1413 | 1732.6 | 23.05 | 23±1 |
| | 1512 | 1752.4 | 23.06 | 23±1 |
| HSDPA Subtest1 | 1313 | 1712.6 | 22.29 | 22±1 |
| | 1413 | 1732.6 | 22.45 | 22±1 |
| | 1512 | 1752.4 | 22.39 | 22±1 |
| HSDPA Subtest2 | 1313 | 1712.6 | 22.41 | 22±1 |
| | 1413 | 1732.6 | 22.38 | 22±1 |
| | 1512 | 1752.4 | 22.50 | 22±1 |
| HSDPA Subtest3 | 1313 | 1712.6 | 22.27 | 22±1 |
| | 1413 | 1732.6 | 22.25 | 22±1 |
| | 1512 | 1752.4 | 22.31 | 22±1 |
| HSDPA Subtest4 | 1313 | 1712.6 | 22.42 | 22±1 |
| | 1413 | 1732.6 | 22.50 | 22±1 |
| | 1512 | 1752.4 | 22.46 | 22±1 |
| HSUPA Subtest1 | 1313 | 1712.6 | 22.34 | 22±1 |
| | 1413 | 1732.6 | 22.44 | 22±1 |
| | 1512 | 1752.4 | 22.45 | 22±1 |
| HSUPA Subtest2 | 1313 | 1712.6 | 22.07 | 22±1 |
| | 1413 | 1732.6 | 22.32 | 22±1 |
| | 1512 | 1752.4 | 22.15 | 22±1 |
| HSUPA Subtest3 | 1313 | 1712.6 | 22.40 | 22±1 |
| | 1413 | 1732.6 | 22.38 | 22±1 |
| | 1512 | 1752.4 | 22.46 | 22±1 |
| HSUPA Subtest4 | 1313 | 1712.6 | 22.04 | 22±1 |
| | 1413 | 1732.6 | 22.35 | 22±1 |
| | 1512 | 1752.4 | 22.06 | 22±1 |
| HSUPA Subtest5 | 1313 | 1712.6 | 22.32 | 22±1 |
| | 1413 | 1732.6 | 22.43 | 22±1 |
| | 1512 | 1752.4 | 22.38 | 22±1 |

ERP & EIRP

GSM Voice

ERP for Cellular Band (Part 22H)

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|-----------------|-------------------------|----------------------|-------------------------------|-----------------|----------------------|-------------|
| 824.2 | 22.56 | V | 6.1 | 0.53 | 28.13 | 38.45 |
| 824.2 | 20.64 | H | 6.1 | 0.53 | 26.21 | 38.45 |
| 836.6 | 22.42 | V | 6.2 | 0.53 | 28.09 | 38.45 |
| 836.6 | 21.63 | H | 6.2 | 0.53 | 27.30 | 38.45 |
| 848.8 | 22.31 | V | 6.2 | 0.53 | 27.98 | 38.45 |
| 848.8 | 21.45 | H | 6.2 | 0.53 | 27.12 | 38.45 |

EIRP for PCS Band (Part 24E)

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|-----------------|-------------------------|----------------------|-------------------------------|-----------------|----------------------|-------------|
| 1850.2 | 21.78 | V | 7.88 | 0.72 | 28.94 | 33 |
| 1850.2 | 20.63 | H | 7.88 | 0.72 | 27.79 | 33 |
| 1880 | 22.14 | V | 7.88 | 0.72 | 29.30 | 33 |
| 1880 | 20.89 | H | 7.88 | 0.72 | 28.05 | 33 |
| 1909.8 | 22.26 | V | 7.86 | 0.72 | 29.40 | 33 |
| 1909.8 | 20.58 | H | 7.86 | 0.72 | 27.72 | 33 |

GPRS:

ERP for Cellular Band (Part 22H)

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|-----------------|-------------------------|----------------------|-------------------------------|-----------------|----------------------|-------------|
| 824.2 | 22.6 | V | 6.1 | 0.53 | 28.17 | 38.45 |
| 824.2 | 21.83 | H | 6.1 | 0.53 | 27.40 | 38.45 |
| 836.6 | 22.46 | V | 6.2 | 0.53 | 28.13 | 38.45 |
| 836.6 | 20.73 | H | 6.2 | 0.53 | 26.40 | 38.45 |
| 848.8 | 22.38 | V | 6.2 | 0.53 | 28.05 | 38.45 |
| 848.8 | 21.49 | H | 6.2 | 0.53 | 27.16 | 38.45 |

EIRP for PCS Band (Part 24E)

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|-----------------|-------------------------|----------------------|-------------------------------|-----------------|----------------------|-------------|
| 1850.2 | 21.74 | V | 7.88 | 0.72 | 28.90 | 33 |
| 1850.2 | 20.13 | H | 7.88 | 0.72 | 27.29 | 33 |
| 1880 | 22.12 | V | 7.88 | 0.72 | 29.28 | 33 |
| 1880 | 21.19 | H | 7.88 | 0.72 | 28.35 | 33 |
| 1909.8 | 22.26 | V | 7.86 | 0.72 | 29.40 | 33 |
| 1909.8 | 21.17 | H | 7.86 | 0.72 | 28.31 | 33 |

EGPRS (MCS1):

ERP for Cellular Band (Part 22H)

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|-----------------|-------------------------|----------------------|-------------------------------|-----------------|----------------------|-------------|
| 824.2 | 22.6 | V | 6.1 | 0.53 | 28.17 | 38.45 |
| 824.2 | 20.61 | H | 6.1 | 0.53 | 26.18 | 38.45 |
| 836.6 | 22.45 | V | 6.2 | 0.53 | 28.12 | 38.45 |
| 836.6 | 20.97 | H | 6.2 | 0.53 | 26.64 | 38.45 |
| 848.8 | 22.32 | V | 6.2 | 0.53 | 27.99 | 38.45 |
| 848.8 | 20.69 | H | 6.2 | 0.53 | 26.36 | 38.45 |

EIRP for PCS Band (Part 24E)

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|-----------------|-------------------------|----------------------|-------------------------------|-----------------|----------------------|-------------|
| 1850.2 | 21.89 | V | 7.88 | 0.72 | 29.05 | 33 |
| 1850.2 | 20.65 | H | 7.88 | 0.72 | 27.81 | 33 |
| 1880 | 22.22 | V | 7.88 | 0.72 | 29.38 | 33 |
| 1880 | 21.11 | H | 7.88 | 0.72 | 28.27 | 33 |
| 1909.8 | 22.22 | V | 7.86 | 0.72 | 29.36 | 33 |
| 1909.8 | 20.46 | H | 7.86 | 0.72 | 27.60 | 33 |

RMC

ERP for UMTS-FDD Band V (Part 22H)

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|-----------------|-------------------------|----------------------|-------------------------------|-----------------|----------------------|-------------|
| 826.4 | 13.66 | V | 6.1 | 0.53 | 19.23 | 38.45 |
| 826.4 | 12.33 | H | 6.1 | 0.53 | 17.90 | 38.45 |
| 835 | 13.33 | V | 6.2 | 0.53 | 19.00 | 38.45 |
| 835 | 11.67 | H | 6.2 | 0.53 | 17.34 | 38.45 |
| 846.6 | 13.26 | V | 6.2 | 0.53 | 18.93 | 38.45 |
| 846.6 | 11.73 | H | 6.2 | 0.53 | 17.40 | 38.45 |

EIRP for UMTS-FDD Band II (Part 24E)

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|-----------------|-------------------------|----------------------|-------------------------------|-----------------|----------------------|-------------|
| 1852.4 | 13.87 | V | 7.88 | 0.72 | 21.03 | 33 |
| 1852.4 | 12.87 | H | 7.88 | 0.72 | 20.03 | 33 |
| 1880 | 14.3 | V | 7.88 | 0.72 | 21.46 | 33 |
| 1880 | 13.39 | H | 7.88 | 0.72 | 20.55 | 33 |
| 1907.6 | 14.36 | V | 7.86 | 0.72 | 21.50 | 33 |
| 1907.6 | 13.49 | H | 7.86 | 0.72 | 20.63 | 33 |

EIRP for UMTS-FDD Band IV (Part 27H)

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|-----------------|-------------------------|----------------------|-------------------------------|-----------------|----------------------|-------------|
| 1712.4 | 15.63 | V | 7.95 | 0.69 | 22.89 | 30 |
| 1712.4 | 14.57 | H | 7.95 | 0.69 | 21.83 | 30 |
| 1740 | 15.45 | V | 7.93 | 0.69 | 22.69 | 30 |
| 1740 | 14.04 | H | 7.93 | 0.69 | 21.28 | 30 |
| 1752.6 | 15.43 | V | 7.92 | 0.69 | 22.66 | 30 |
| 1752.6 | 13.6 | H | 7.92 | 0.69 | 20.83 | 30 |

HSDPA

ERP for UMTS-FDD Band V (Part 22H)

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|-----------------|-------------------------|----------------------|-------------------------------|-----------------|----------------------|-------------|
| 826.4 | 12.98 | V | 6.1 | 0.53 | 18.55 | 38.45 |
| 826.4 | 11.5 | H | 6.1 | 0.53 | 17.07 | 38.45 |
| 835 | 12.69 | V | 6.2 | 0.53 | 18.36 | 38.45 |
| 835 | 11.25 | H | 6.2 | 0.53 | 16.92 | 38.45 |
| 846.6 | 12.54 | V | 6.2 | 0.53 | 18.21 | 38.45 |
| 846.6 | 11.82 | H | 6.2 | 0.53 | 17.49 | 38.45 |

EIRP for UMTS-FDD Band II (Part 24E)

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|-----------------|-------------------------|----------------------|-------------------------------|-----------------|----------------------|-------------|
| 1852.4 | 13.99 | V | 7.88 | 0.72 | 21.15 | 33 |
| 1852.4 | 12.81 | H | 7.88 | 0.72 | 19.97 | 33 |
| 1880 | -8.42 | V | 7.88 | 0.72 | -1.26 | 33 |
| 1880 | -10.12 | H | 7.88 | 0.72 | -2.96 | 33 |
| 1907.6 | 13.89 | V | 7.86 | 0.72 | 21.03 | 33 |
| 1907.6 | 11.9 | H | 7.86 | 0.72 | 19.04 | 33 |

EIRP for UMTS-FDD Band IV (Part 27H)

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|-----------------|-------------------------|----------------------|-------------------------------|-----------------|----------------------|-------------|
| 1712.4 | 14.87 | V | 7.95 | 0.69 | 22.13 | 30 |
| 1712.4 | 13.19 | H | 7.95 | 0.69 | 20.45 | 30 |
| 1740 | 14.89 | V | 7.93 | 0.69 | 22.13 | 30 |
| 1740 | 13.96 | H | 7.93 | 0.69 | 21.20 | 30 |
| 1752.6 | 14.76 | V | 7.92 | 0.69 | 21.99 | 30 |
| 1752.6 | 13.8 | H | 7.92 | 0.69 | 21.03 | 30 |

HSUPA

ERP for UMTS-FDD Band V (Part 22H)

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|-----------------|-------------------------|----------------------|-------------------------------|-----------------|----------------------|-------------|
| 826.4 | 12.92 | V | 6.1 | 0.53 | 18.49 | 38.45 |
| 826.4 | 11.51 | H | 6.1 | 0.53 | 17.08 | 38.45 |
| 835 | 12.56 | V | 6.2 | 0.53 | 18.23 | 38.45 |
| 835 | 11.6 | H | 6.2 | 0.53 | 17.27 | 38.45 |
| 846.6 | 12.69 | V | 6.2 | 0.53 | 18.36 | 38.45 |
| 846.6 | 11.35 | H | 6.2 | 0.53 | 17.02 | 38.45 |

EIRP for UMTS-FDD Band II (Part 24E)

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|-----------------|-------------------------|----------------------|-------------------------------|-----------------|----------------------|-------------|
| 1852.4 | 12.92 | V | 7.88 | 0.72 | 20.08 | 33 |
| 1852.4 | 11.02 | H | 7.88 | 0.72 | 18.18 | 33 |
| 1880 | -9.03 | V | 7.88 | 0.72 | -1.87 | 33 |
| 1880 | -10.57 | H | 7.88 | 0.72 | -3.41 | 33 |
| 1907.6 | 13.21 | V | 7.86 | 0.72 | 20.35 | 33 |
| 1907.6 | 11.96 | H | 7.86 | 0.72 | 19.10 | 33 |

EIRP for UMTS-FDD Band IV (Part 27H)

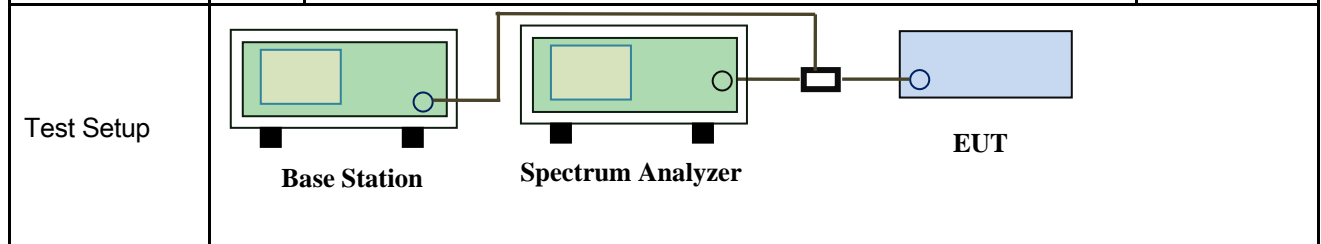
| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|-----------------|-------------------------|----------------------|-------------------------------|-----------------|----------------------|-------------|
| 1712.4 | 14.6 | V | 7.95 | 0.69 | 21.86 | 30 |
| 1712.4 | 13.46 | H | 7.95 | 0.69 | 20.72 | 30 |
| 1740 | 14.77 | V | 7.93 | 0.69 | 22.01 | 30 |
| 1740 | 12.82 | H | 7.93 | 0.69 | 20.06 | 30 |
| 1752.6 | 14.88 | V | 7.92 | 0.69 | 22.11 | 30 |
| 1752.6 | 13.09 | H | 7.92 | 0.69 | 20.32 | 30 |

6.3 Peak-Average Ratio

| | |
|----------------------|-------------------|
| Temperature | 25°C |
| Relative Humidity | 57% |
| Atmospheric Pressure | 1023mbar |
| Test date : | December 27, 2017 |
| Tested By : | Aarron Liang |

Requirement(s):

| Spec | Item | Requirement | Applicable |
|--------------------------|------|---|-------------------------------------|
| §24.232(d) § 27.50(d) | a) | The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB. | <input checked="" type="checkbox"/> |



| | |
|----------------|--|
| Test Procedure | <p>According with KDB 971168 v02r02</p> <p>5.7.2 Alternate procedure for PAPR</p> <p>5.1.2 Peak power measurements with a peak power meter</p> <p>The total peak output power may be measured using a broadband peak RF power meter. The power meter must have a video bandwidth that is greater than or equal to the emission bandwidth and utilize a fast-responding diode detector.</p> <p>5.2.3 Average power measurement with average power meter</p> <p>As an alternative to the use of a spectrum/signal analyzer or EMI receiver to perform a measurement of the total in-band average output power, a wideband RF average power meter with a thermocouple detector or equivalent can be used under certain conditions</p> <p>If the EUT can be configured to transmit continuously (i.e., the burst duty cycle $\geq 98\%$) and at all times the EUT is transmitting at its maximum output</p> |
|----------------|--|

| | |
|-------------|-----------------|
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| | |
|--------|---|
| | <p>power level, then a conventional wide-band RF power meter can be used.</p> <p>If the EUT cannot be configured to transmit continuously (i.e., the burst duty cycle < 98%), then there are two options for the use of an average power meter. First, a gated average power meter can be used to perform the measurement if the gating parameters can be adjusted such that the power is measured only over active transmission bursts at maximum output power levels. A conventional average power meter can also be used if the measured burst duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent) by performing the measurement over the on/off burst cycles and then correcting (increasing) the measured level by a factor equal to $10\log(1/\text{duty cycle})$</p> |
| Remark | |
| Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |

Test Data Yes N/A
Test Plot Yes (See below) N/A

GSM : GSM 1900 PK-AV POWER (PART 24E)

| Frequency (MHz) | Conducted power(dBm) | | Peak-Average Ratio(PAR) |
|--------------------|----------------------|---------|----------------------------|
| | Peak | Average | |
| 1850.2 | 30.46 | 29.56 | 0.9 |
| 1880 | 30.86 | 29.92 | 0.94 |
| 1909.8 | 30.78 | 30.02 | 0.76 |

GPRS 1900 PK-AV POWER (PART 24E)

| Frequency (MHz) | Conducted power(dBm) | | Peak-Average Ratio(PAR) |
|--------------------|----------------------|---------|----------------------------|
| | Peak | Average | |
| 1850.2 | 30.46 | 29.52 | 0.94 |
| 1880 | 30.76 | 29.9 | 0.86 |
| 1909.8 | 30.84 | 30.02 | 0.82 |

EGPRS (MSC1) 1900 PK-AV POWER (PART 24E)

| Frequency (MHz) | Conducted power(dBm) | | Peak-Average Ratio(PAR) |
|--------------------|----------------------|---------|----------------------------|
| | Peak | Average | |
| 1850.2 | 30.46 | 29.67 | 0.79 |
| 1880 | 30.84 | 30 | 0.84 |
| 1909.8 | 30.72 | 29.98 | 0.74 |

RMC : UMTS-FDD Band 2 PK-AV POWER (PART 24E)

| Frequency (MHz) | Conducted power(dBm) | | Peak-Average Ratio(PAR) |
|--------------------|----------------------|---------|----------------------------|
| | Peak | Average | |
| 1852.4 | 22.65 | 21.65 | 1 |
| 1880 | 23.13 | 22.08 | 1.05 |
| 1907.6 | 22.76 | 22.12 | 0.64 |

UMTS-FDD Band IV PK-AV POWER (PART 27H)

| Frequency (MHz) | Conducted power(dBm) | | Peak-Average Ratio(PAR) |
|--------------------|----------------------|---------|----------------------------|
| | Peak | Average | |
| 1713 | 24.16 | 23 | 1.16 |
| 1733 | 24.15 | 23.05 | 1.1 |
| 1752 | 24.11 | 23.06 | 1.05 |

HSDPA : UMTS-FDD Band 2 PK-AV POWER (PART 24E)

| Frequency (MHz) | Conducted power(dBm) | | Peak-Average Ratio(PAR) |
|--------------------|----------------------|---------|----------------------------|
| | Peak | Average | |
| 1852.4 | 22.36 | 21.33 | 1.03 |
| 1880 | 22.43 | 21.35 | 1.08 |
| 1907.6 | 21.96 | 20.88 | 1.08 |

UMTS-FDD Band IV PK-AV POWER (PART 27H)

| Frequency (MHz) | Conducted power(dBm) | | Peak-Average Ratio(PAR) |
|--------------------|----------------------|---------|----------------------------|
| | Peak | Average | |
| 1713 | 23.36 | 22.63 | 0.73 |
| 1733 | 22.46 | 22.36 | 0.1 |
| 1752 | 22.32 | 22.3 | 0.02 |

HSUPA : UMTS-FDD Band 2 PK-AV POWER (PART 24E)

| Frequency (MHz) | Conducted power(dBm) | | Peak-Average Ratio(PAR) |
|--------------------|----------------------|---------|----------------------------|
| | Peak | Average | |
| 1852.4 | 22.03 | 21.01 | 1.02 |
| 1880 | 22.36 | 21.29 | 1.07 |
| 1907.6 | 22.09 | 21.39 | 0.7 |

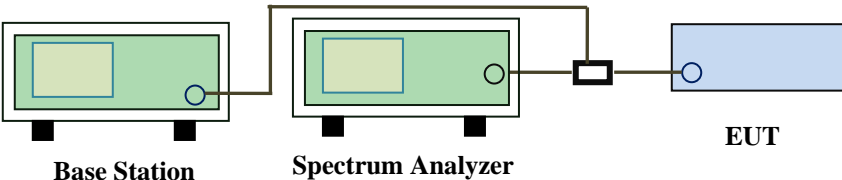
UMTS-FDD Band IV PK-AV POWER (PART 27H)

| Frequency (MHz) | Conducted power(dBm) | | Peak-Average Ratio(PAR) |
|--------------------|----------------------|---------|----------------------------|
| | Peak | Average | |
| 1713 | 22.34 | 22.67 | -0.33 |
| 1733 | 22.44 | 22.39 | 0.05 |
| 1752 | 22.45 | 22.31 | 0.14 |

6.4 Occupied Bandwidth

| | |
|----------------------|-------------------|
| Temperature | 25°C |
| Relative Humidity | 57% |
| Atmospheric Pressure | 1023mbar |
| Test date : | December 27, 2017 |
| Tested By : | Aarron Liang |

Requirement(s):

| Spec | Item | Requirement | Applicable |
|---|--|-----------------------------|-------------------------------------|
| §2.1049, §22.917, §22.905 §24.238 §27.53(a) | a) | 99% Occupied Bandwidth(kHz) | <input checked="" type="checkbox"/> |
| | b) | 26 dB Bandwidth(kHz) | <input checked="" type="checkbox"/> |
| Test Setup |  <p style="text-align: center;">Base Station Spectrum Analyzer EUT</p> | | |
| Test Procedure | <ul style="list-style-type: none"> - The EUT was connected to Spectrum Analyzer and Base Station via power divider. - The 99% and 26 dB occupied bandwidth (BW) of the middle channel for the highest RF powers. | | |
| Remark | | | |
| Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | | |

Test Data Yes N/A
 Test Plot Yes (See below) N/A

GSM Voice:

Cellular Band (Part 22H) result

| Channel | Frequency (MHz) | 99% Occupied Bandwidth (kHz) | 26 dB Bandwidth (kHz) |
|---------|-----------------|------------------------------|-----------------------|
| 128 | 824.2 | 244.0539 | 318.491 |
| 190 | 836.6 | 245.1991 | 321.164 |
| 251 | 848.8 | 241.6290 | 318.268 |

PCS Band (Part 24E) result

| Channel | Frequency (MHz) | 99% Occupied Bandwidth (kHz) | 26 dB Bandwidth (kHz) |
|---------|-----------------|------------------------------|-----------------------|
| 512 | 1850 | 243.5161 | 316.822 |
| 661 | 1880 | 243.6275 | 320.205 |
| 810 | 1910 | 242.8650 | 320.187 |

GPRS:

Cellular Band (Part 22H) result

| Channel | Frequency (MHz) | 99% Occupied Bandwidth (kHz) | 26 dB Bandwidth (kHz) |
|---------|-----------------|------------------------------|-----------------------|
| 128 | 824.2 | 246.8395 | 318.059 |
| 190 | 836.6 | 247.0446 | 322.271 |
| 251 | 848.8 | 244.2652 | 318.442 |

PCS Band (Part 24E) result

| Channel | Frequency (MHz) | 99% Occupied Bandwidth (kHz) | 26 dB Bandwidth (kHz) |
|---------|-----------------|------------------------------|-----------------------|
| 512 | 1850 | 248.4627 | 321.430 |
| 661 | 1880 | 244.3985 | 322.855 |
| 810 | 1910 | 244.5151 | 320.214 |

EGPRS (MCS 1):

Cellular Band (Part 22H) result

| Channel | Frequency (MHz) | 99% Occupied Bandwidth (kHz) | 26 dB Bandwidth (kHz) |
|---------|-----------------|------------------------------|-----------------------|
| 128 | 824.2 | 244.2903 | 316.606 |
| 190 | 836.6 | 246.4602 | 322.936 |
| 251 | 848.8 | 240.9208 | 318.402 |

PCS Band (Part 24E) result

| Channel | Frequency (MHz) | 99% Occupied Bandwidth (kHz) | 26 dB Bandwidth (kHz) |
|---------|-----------------|------------------------------|-----------------------|
| 512 | 1850.2 | 244.0824 | 316.822 |
| 661 | 1880.0 | 242.0822 | 321.254 |
| 810 | 1909.8 | 244.3827 | 320.187 |

RMC:

UMTS-FDD Band V (Part 22H)

| Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|---------|-----------------|------------------------------|-----------------------|
| 4132 | 826.6 | 4.1804 | 4.686 |
| 4175 | 835.0 | 4.1483 | 4.703 |
| 4233 | 846.4 | 4.1870 | 4.713 |

UMTS-FDD Band II (Part 24E)

| Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|---------|-----------------|------------------------------|-----------------------|
| 9262 | 1853 | 4.1722 | 4.700 |
| 9400 | 1880 | 4.1528 | 4.683 |
| 9538 | 1907 | 4.1826 | 4.747 |

UMTS-FDD Band IV (Part 27)

| Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|---------|-----------------|------------------------------|-----------------------|
| 1313 | 1713 | 4.1554 | 4.718 |
| 1413 | 1733 | 4.1681 | 4.730 |
| 1512 | 1752 | 4.1642 | 4.731 |

HSDPA:

UMTS-FDD Band V (Part 22H)

| Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|---------|-----------------|------------------------------|-----------------------|
| 4132 | 826.6 | 4.1817 | 4.676 |
| 4175 | 835.0 | 4.1401 | 4.705 |
| 4233 | 846.4 | 4.1760 | 4.712 |

UMTS-FDD Band II (Part 24E)

| Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|---------|-----------------|------------------------------|-----------------------|
| 9262 | 1853 | 4.1665 | 4.686 |
| 9400 | 1880 | 4.1581 | 4.671 |
| 9538 | 1907 | 4.1754 | 4.747 |

UMTS-FDD Band IV (Part 27)

| Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|---------|-----------------|------------------------------|-----------------------|
| 1313 | 1713 | 4.1555 | 4.717 |
| 1413 | 1733 | 4.1592 | 4.715 |
| 1512 | 1752 | 4.1586 | 4.721 |

HSUPA:

UMTS-FDD Band V (Part 22H)

| Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|---------|-----------------|------------------------------|-----------------------|
| 4132 | 826.6 | 4.1800 | 4.686 |
| 4175 | 835.0 | 4.1478 | 4.710 |
| 4233 | 846.4 | 4.1819 | 4.712 |

UMTS-FDD Band II (Part 24E)

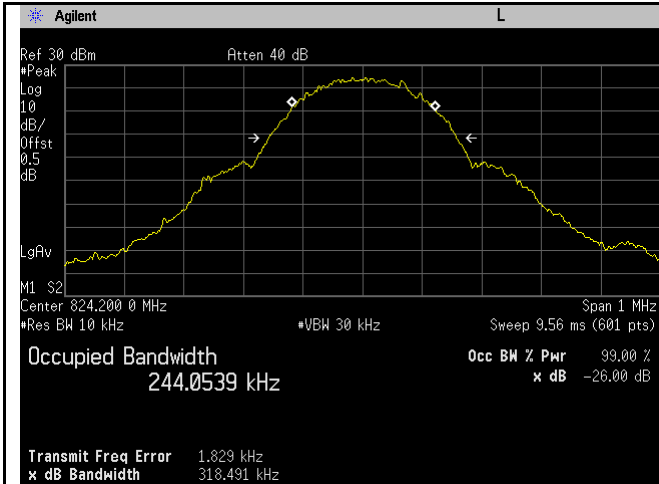
| Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|---------|-----------------|------------------------------|-----------------------|
| 9262 | 1853 | 4.1760 | 4.703 |
| 9400 | 1880 | 4.1485 | 4.681 |
| 9538 | 1907 | 4.1785 | 4.747 |

UMTS-FDD Band IV (Part 27)

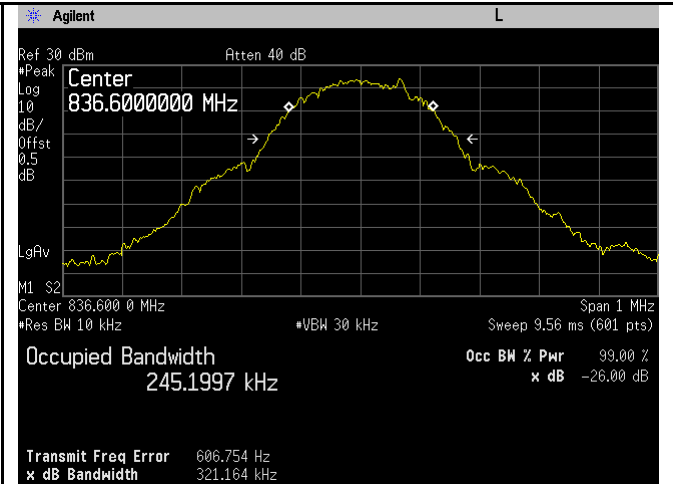
| Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|---------|-----------------|------------------------------|-----------------------|
| 1313 | 1713 | 4.1553 | 4.724 |
| 1413 | 1733 | 4.1541 | 4.715 |
| 1512 | 1752 | 4.1663 | 4.725 |

Test Plots

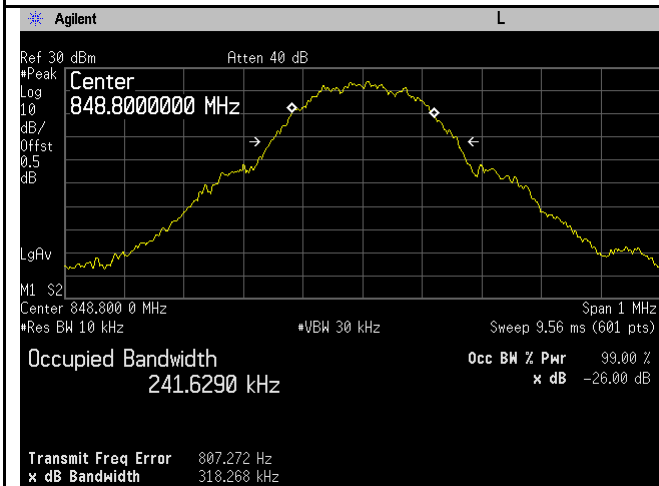
GSM Voice:



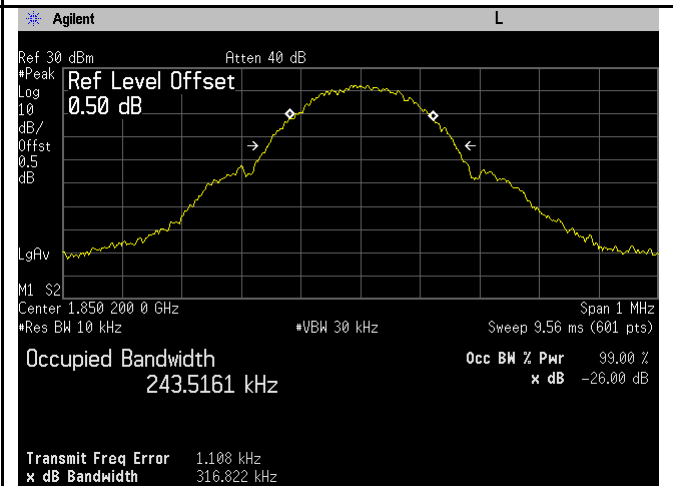
GSM 850 BW - Low CH 824.2MHz



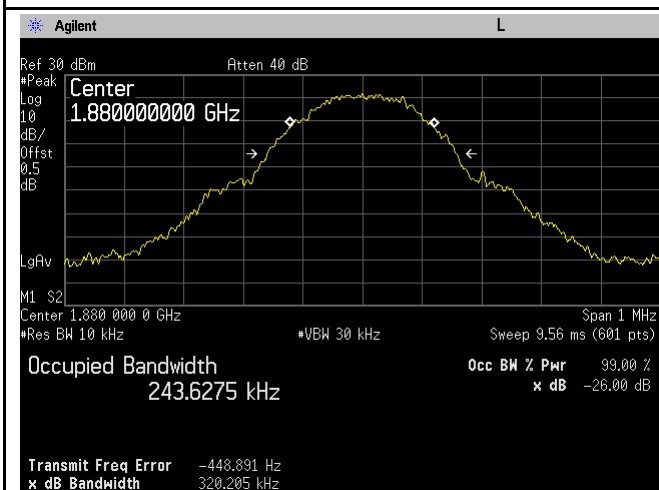
GSM 850 BW - Mid CH 836.6MHz



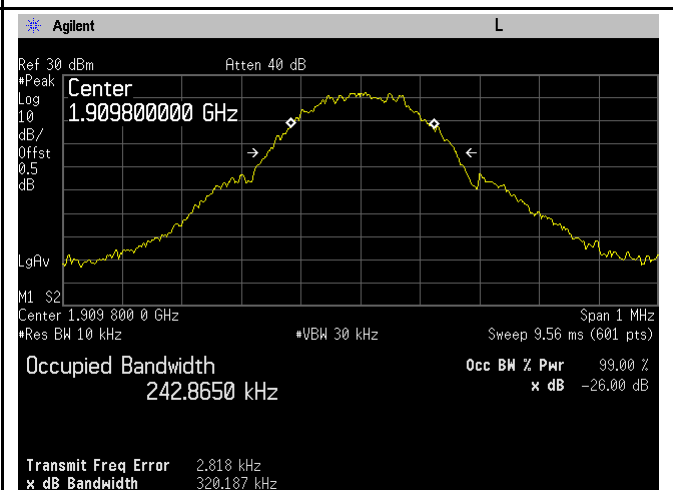
GSM 850 BW - High CH 848.8MHz



PCS 1900 BW - Low CH 1850MHz

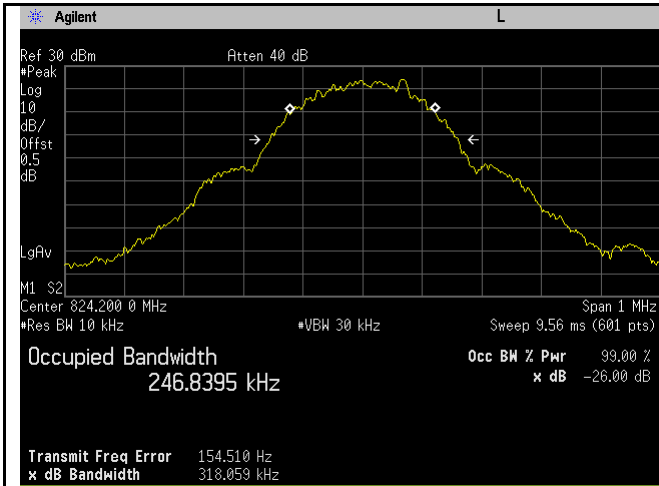


PCS 1900 BW - Mid CH 1880MHz

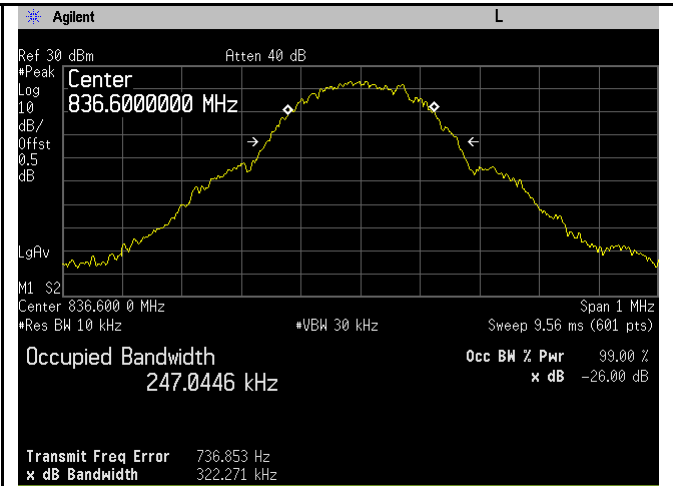


PCS 1900 BW - High CH 1910MHz

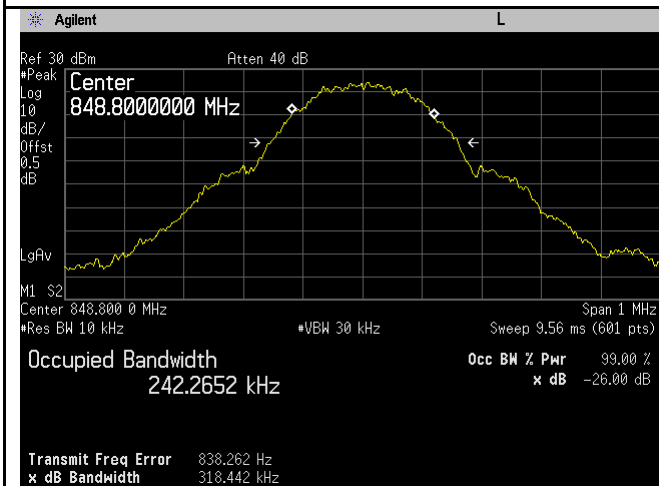
GPRS:



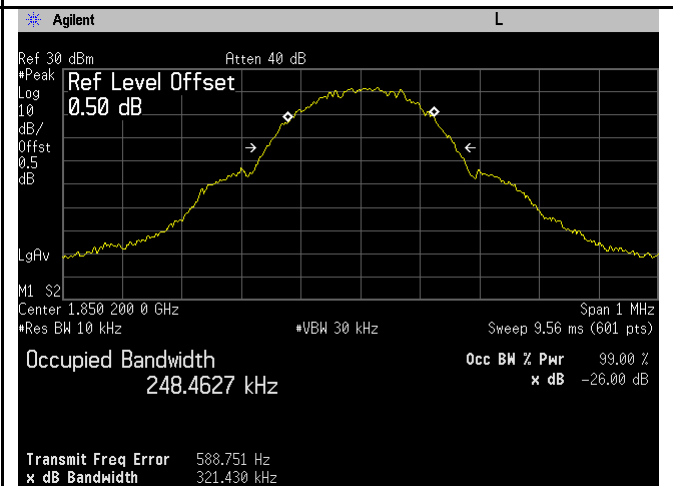
GSM 850 BW - Low CH 824.2MHz



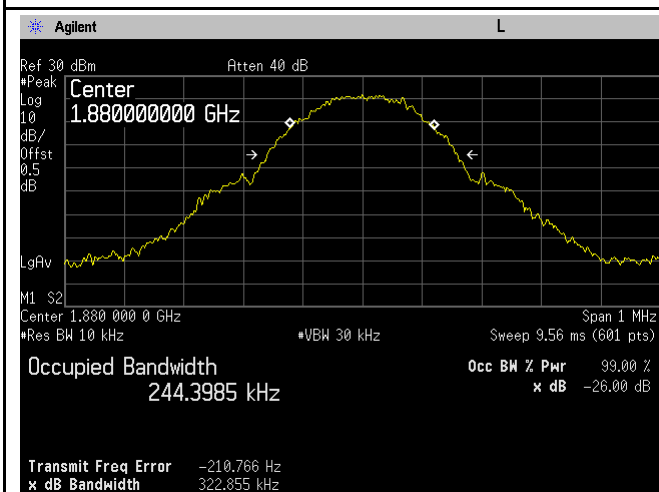
GSM 850 BW - Mid CH 836.6MHz



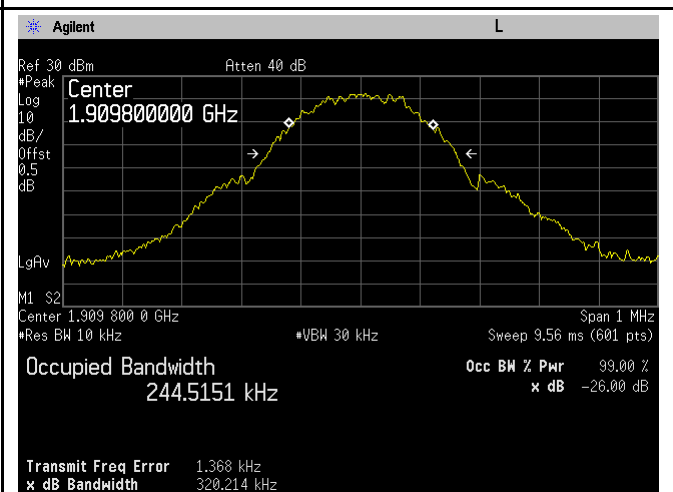
GSM 850 BW - High CH 848.8MHz



PCS 1900 BW - Low CH 1850MHz

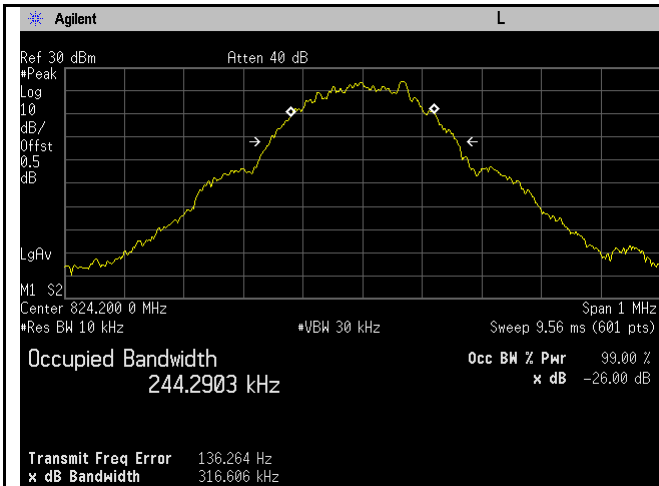


PCS 1900 BW - Mid CH 1880MHz

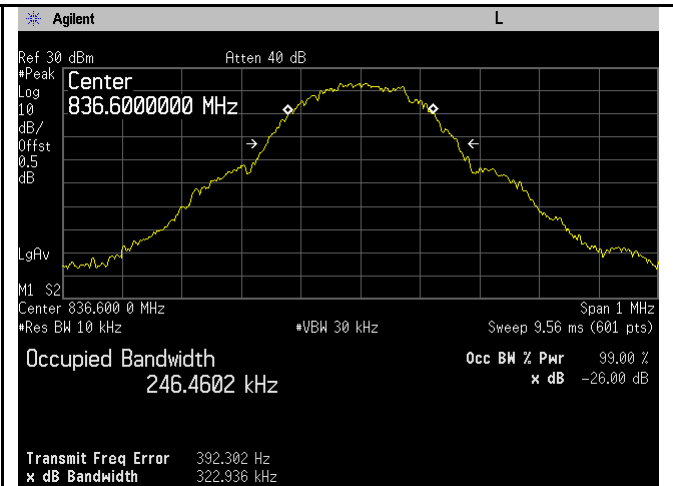


PCS 1900 BW - High CH 1910MHz

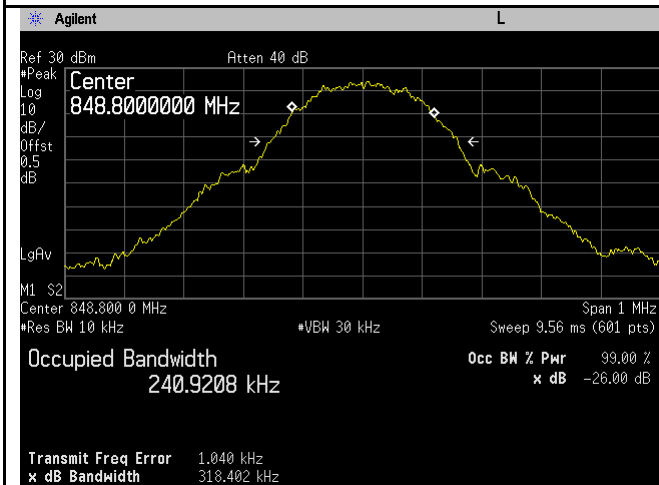
EGPRS:



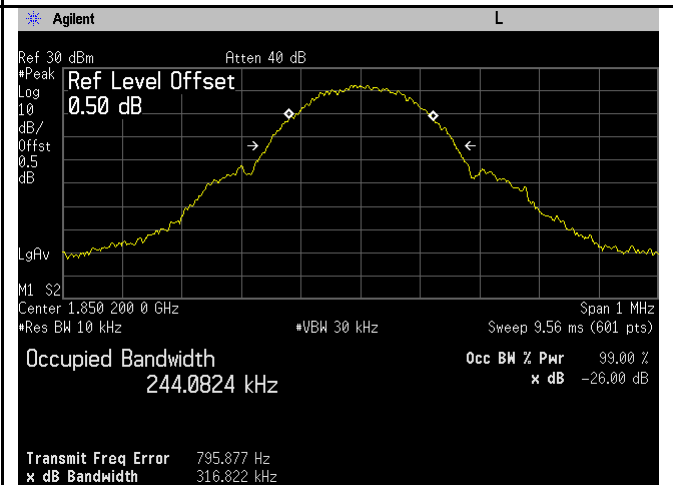
GSM 850 BW - Low CH 824.2MHz



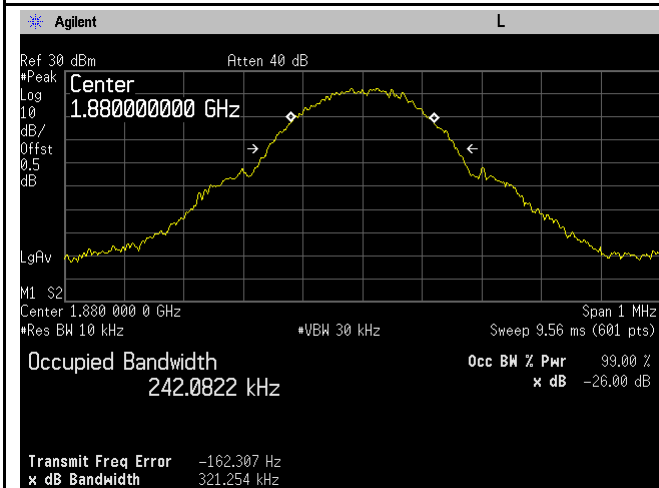
GSM 850 BW - Mid CH 836.6MHz



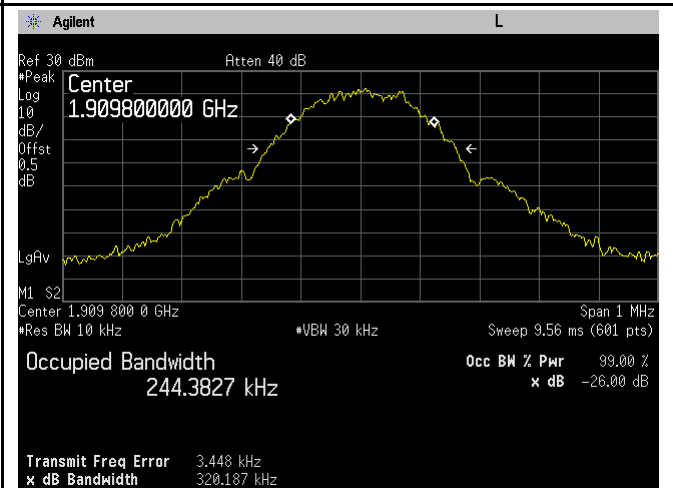
GSM 850 BW - High CH 848.8MHz



PCS 1900 BW - Low CH 1850.2MHz

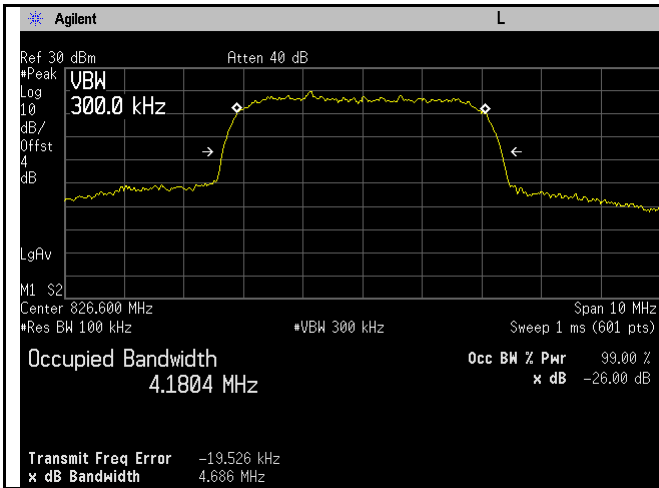


PCS 1900 BW - Mid CH 1880MHz

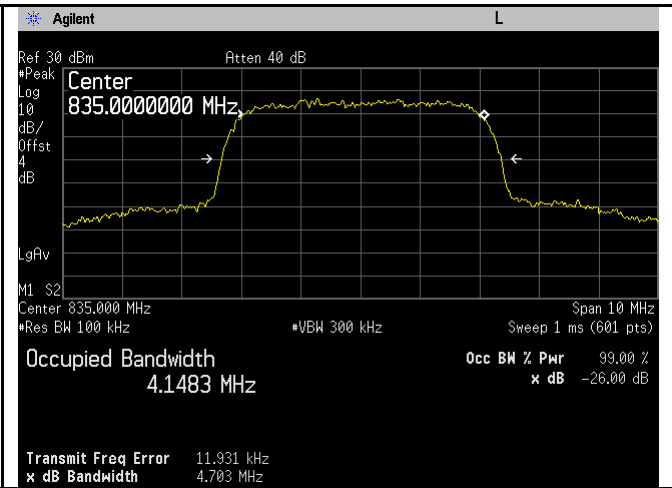


PCS 1900 BW - High CH 1910MHz

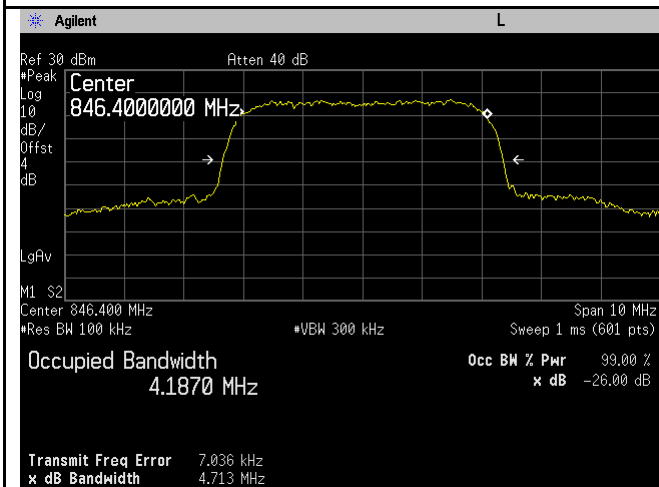
RMC:



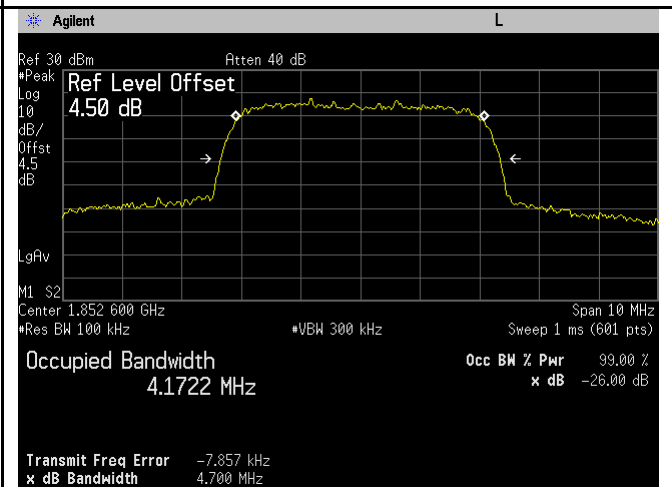
Band V BW - Low CH 826.6 MHz



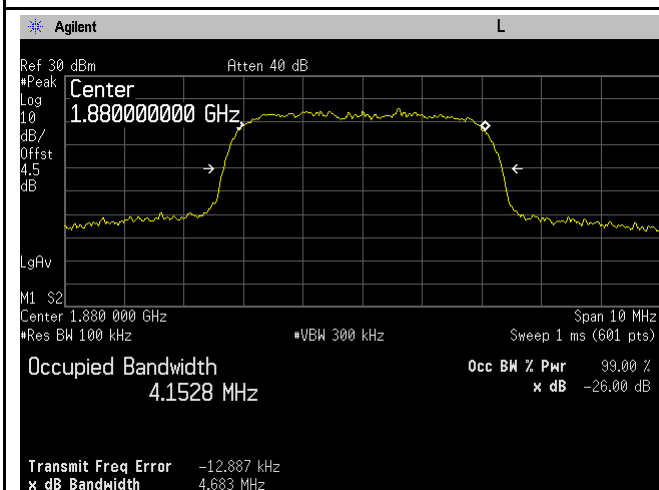
Band V BW - Mid CH 835.0 MHz



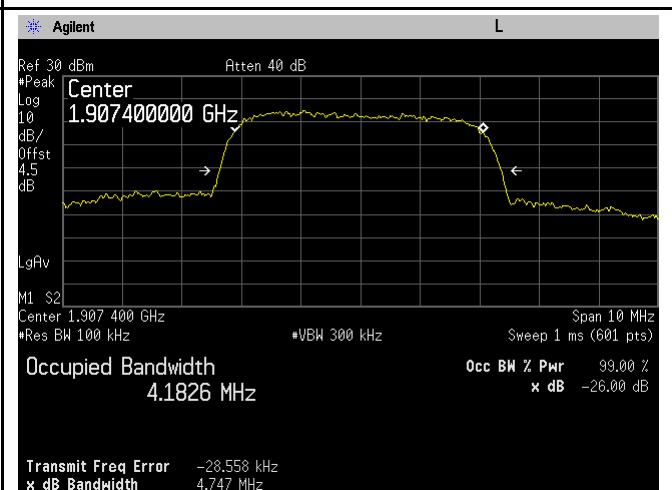
Band V BW - High CH 846.4 MHz



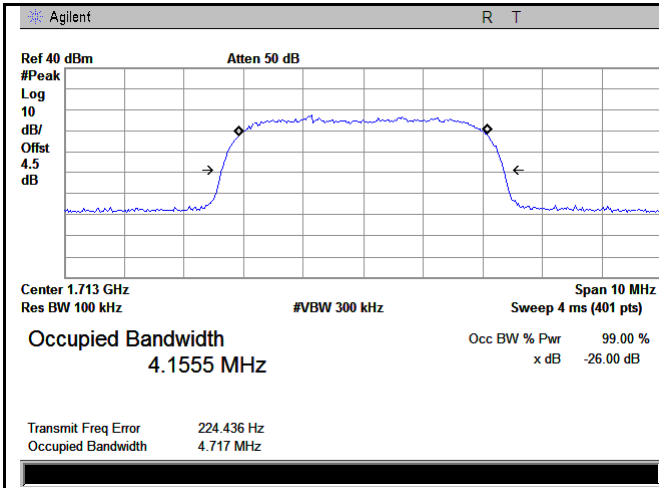
Band II BW - Low CH 1853MHz



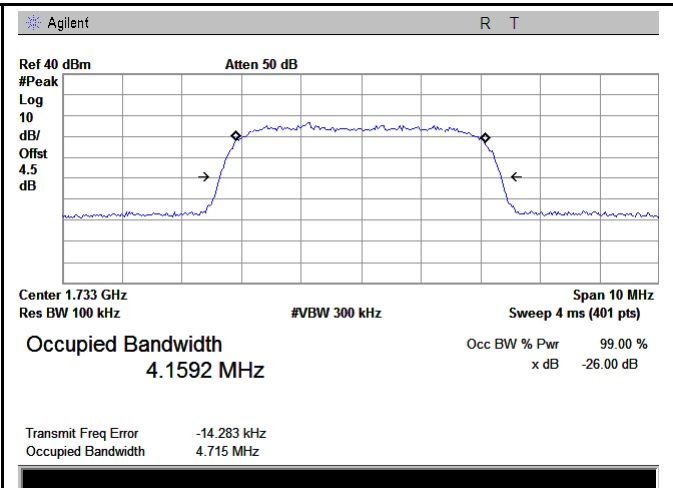
Band II BW - Mid CH 1880MHz



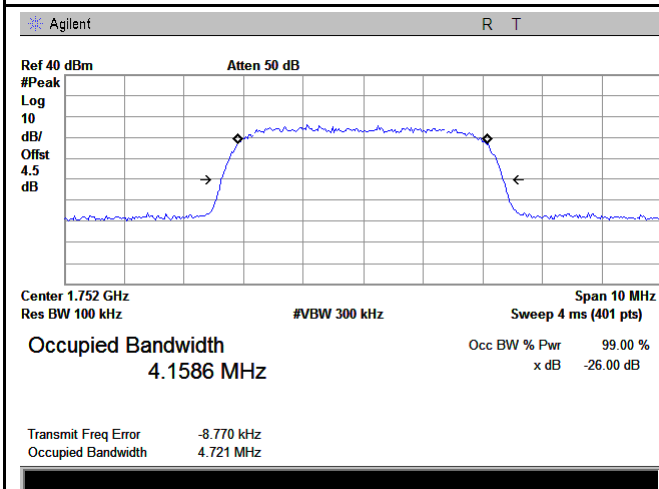
Band II BW - High CH 1907MHz



Band IV BW - Low CH 1713MHz

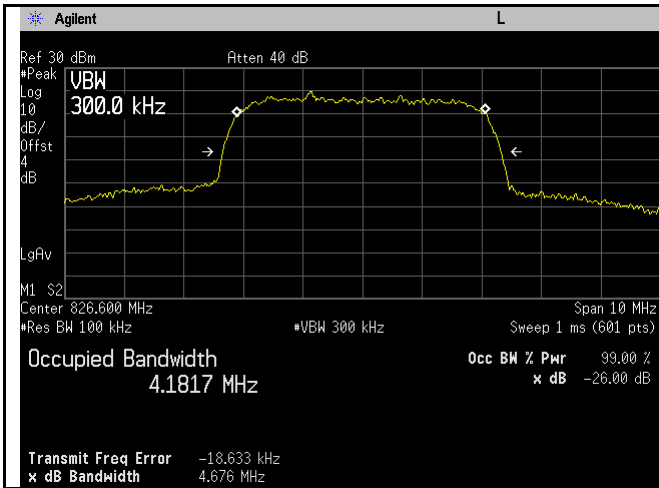


Band IVBW - Mid CH 1733MHz

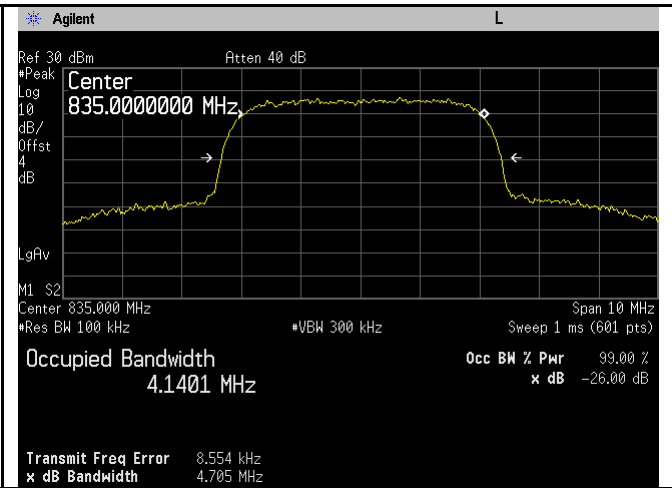


Band IV BW - High CH 1752MHz

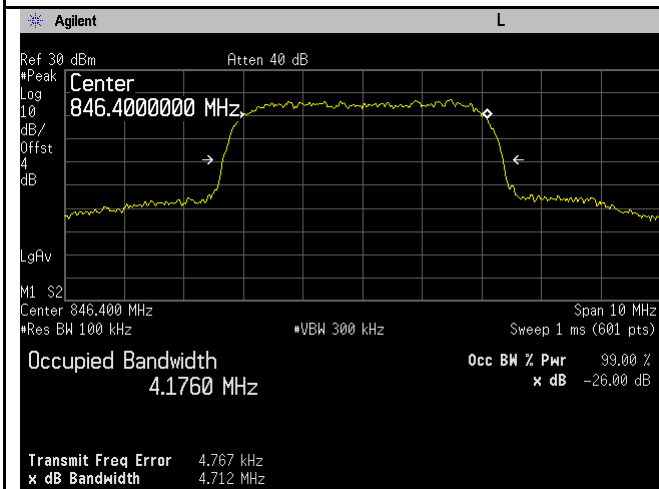
HSDPA:



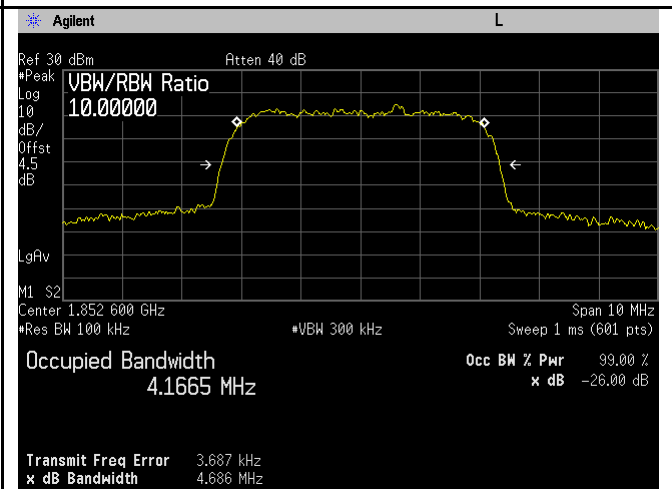
Band V BW - Low CH 826.6 MHz



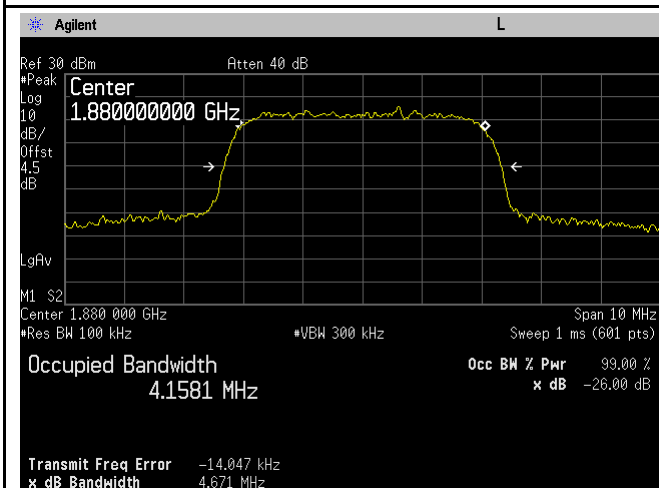
Band V BW - Mid CH 835.0 MHz



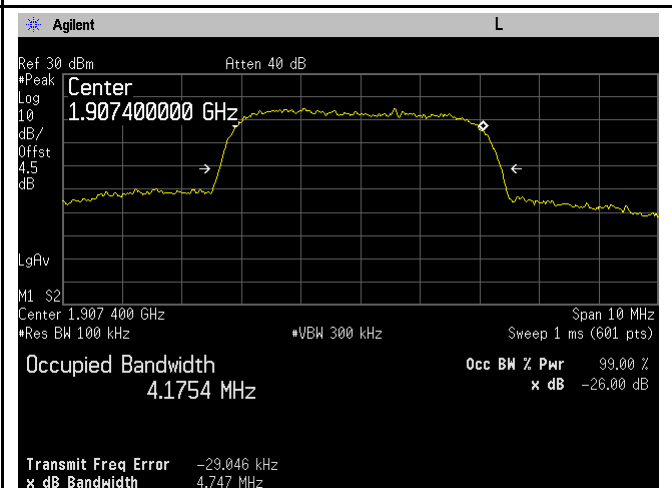
Band V BW - High CH 846.4 MHz



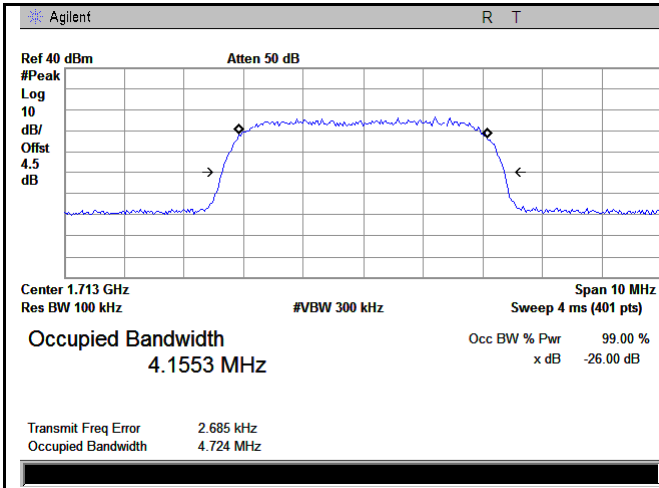
Band II BW - Low CH 1853MHz



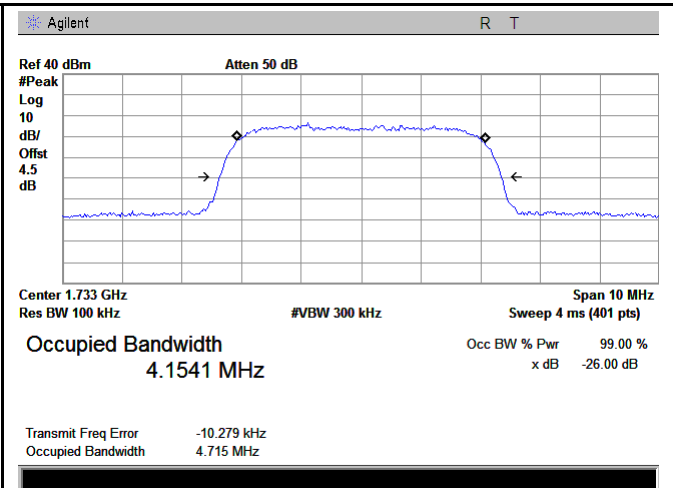
Band II BW - Mid CH 1880MHz



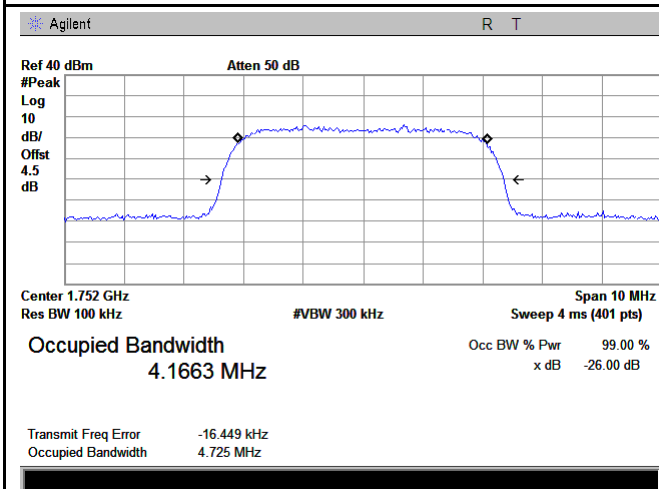
Band II BW - High CH 1907MHz



Band IV BW - Low CH 1713MHz

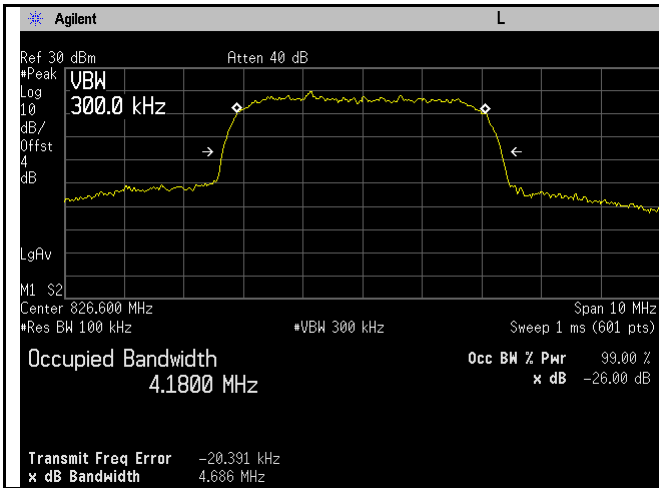


Band IVBW - Mid CH 1733MHz

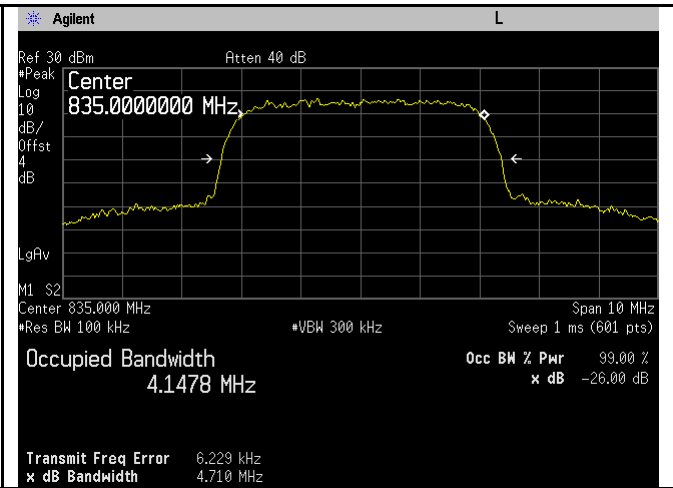


Band IV BW - High CH 1752MHz

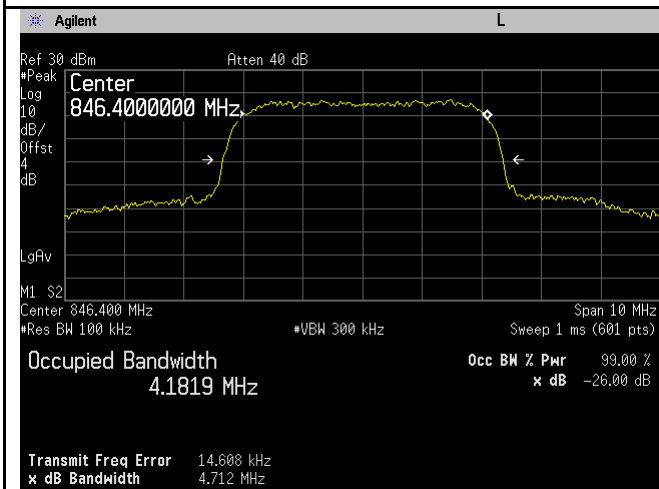
HSUPA:



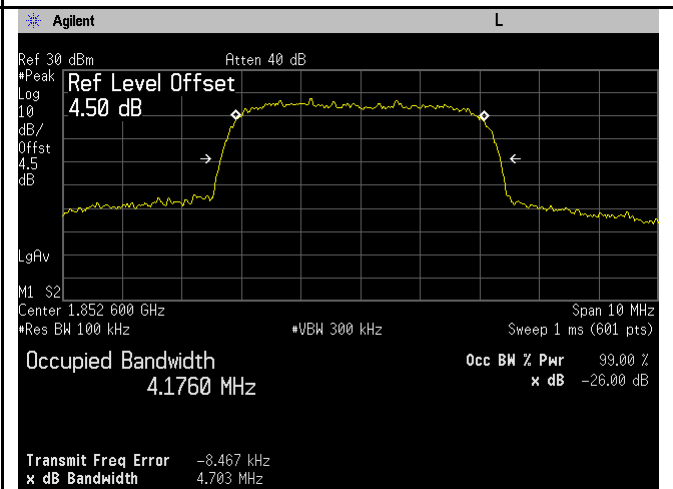
Band V BW - Low CH 826.6 MHz



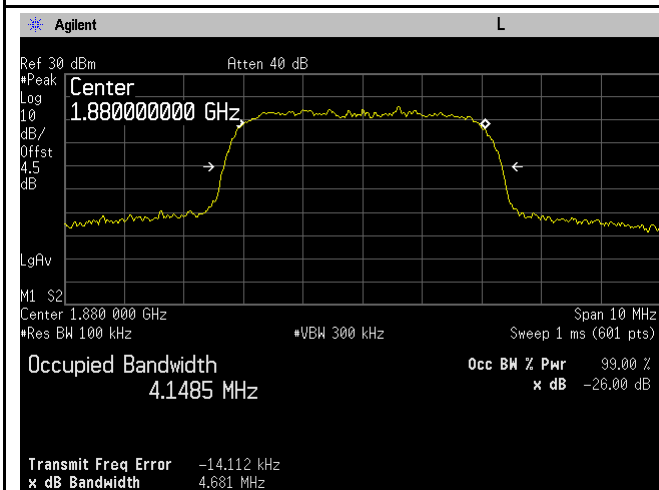
Band V BW - Mid CH 835.0 MHz



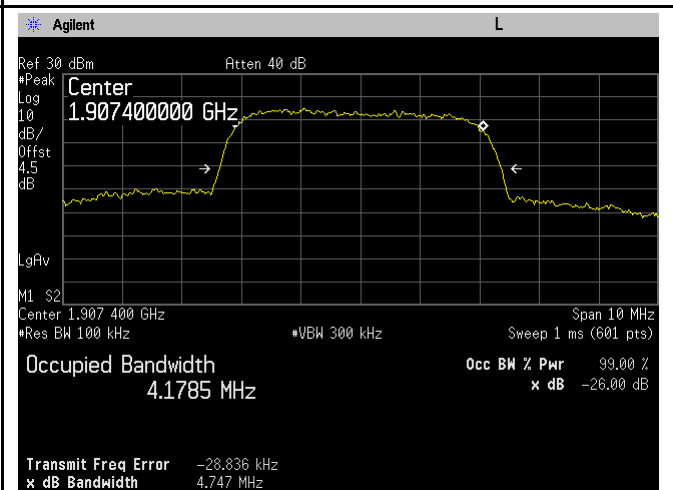
Band V BW - High CH 846.4 MHz



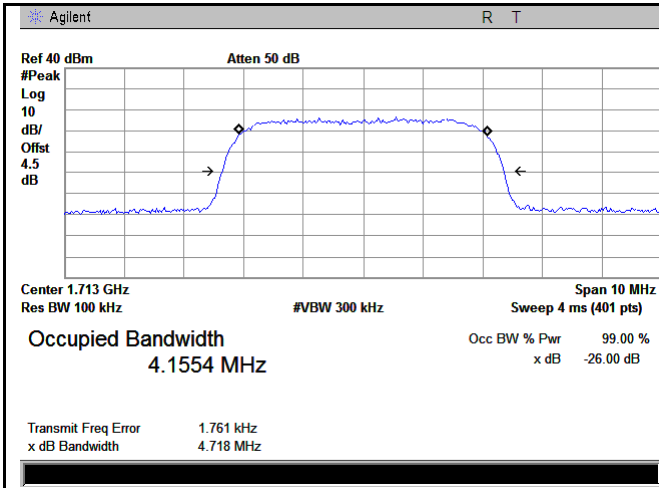
Band II BW - Low CH 1853MHz



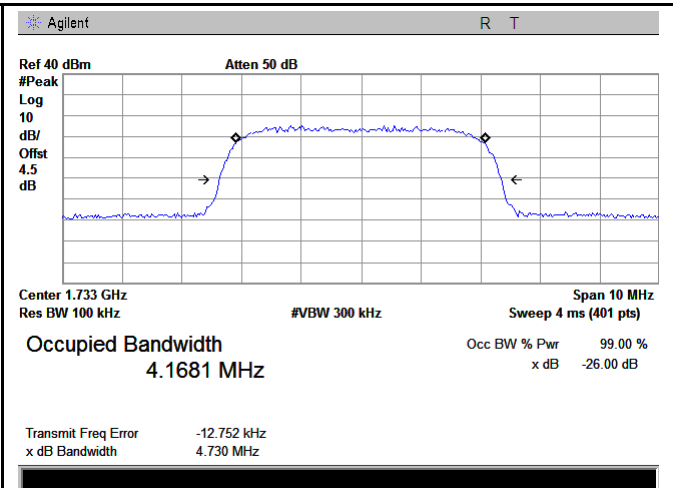
Band II BW - Mid CH 1880MHz



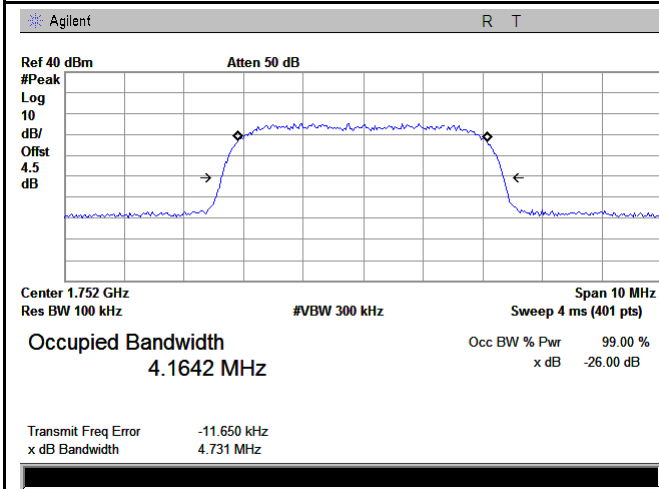
Band II BW - High CH 1907MHz



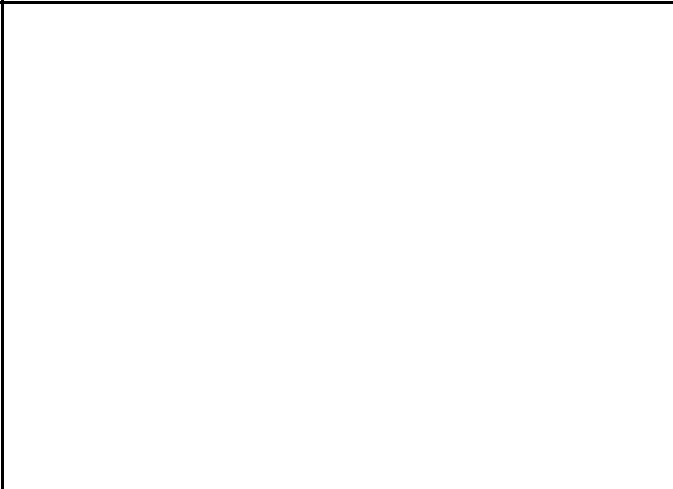
Band IV BW - Low CH 1713MHz



Band IVBW - Mid CH 1733MHz



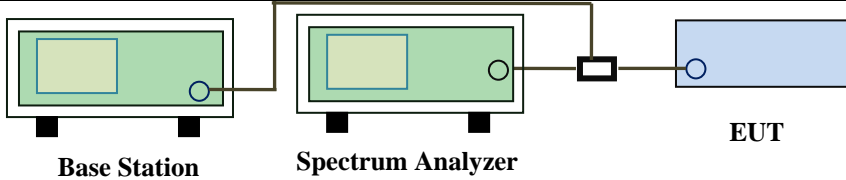
Band IV BW - High CH 1752MHz



6.5 Spurious Emissions at Antenna Terminals

| | |
|----------------------|-------------------|
| Temperature | 25°C |
| Relative Humidity | 57% |
| Atmospheric Pressure | 1023mbar |
| Test date : | December 27, 2017 |
| Tested By : | Aarron Liang |

Requirement(s):

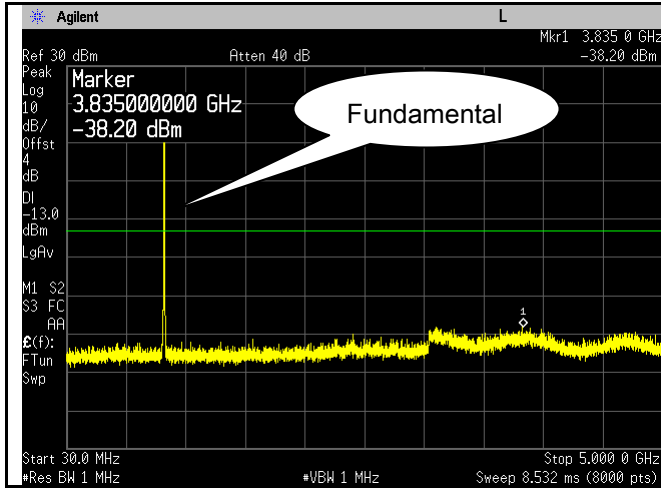
| Spec | Item | Requirement | Applicable |
|---|--|--|-------------------------------------|
| §2.1051, §22.917(a)& §24.238(a) § 27.53(h) | a) | The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log(P)$ dB | <input checked="" type="checkbox"/> |
| Test Setup |  <p>The diagram shows a Base Station (green box) connected to a Spectrum Analyzer (green box) and an EUT (blue box) via a power divider (black box). The Base Station and Spectrum Analyzer are connected to the power divider, which then splits the signal to the EUT.</p> | | |
| Test Procedure | <ul style="list-style-type: none"> - The EUT was connected to Spectrum Analyzer and Base Station via power divider. - The Band Edges of low and high channels for the highest RF powers were measured. - Setting RBW as roughly BW/100. | | |
| Remark | | | |
| Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | | |

Test Data Yes N/A
 Test Plot Yes (See below) N/A

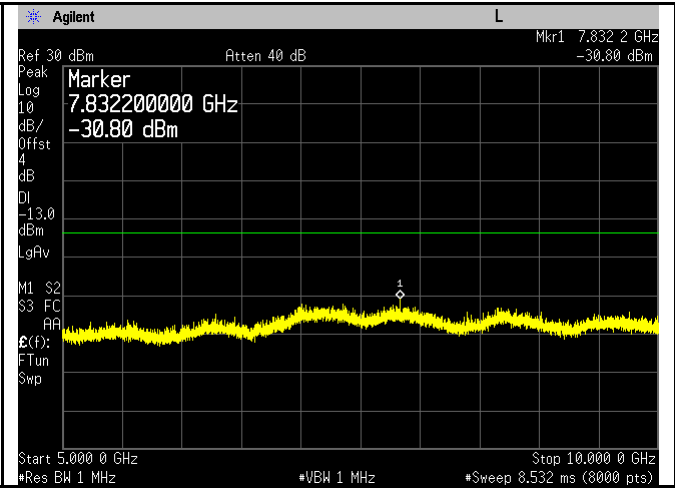
Test Plots

GSM Voice:

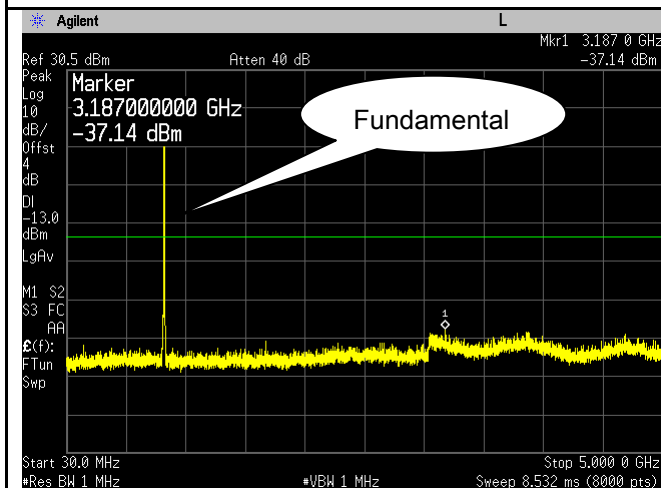
Cellular Band (Part 22H) result



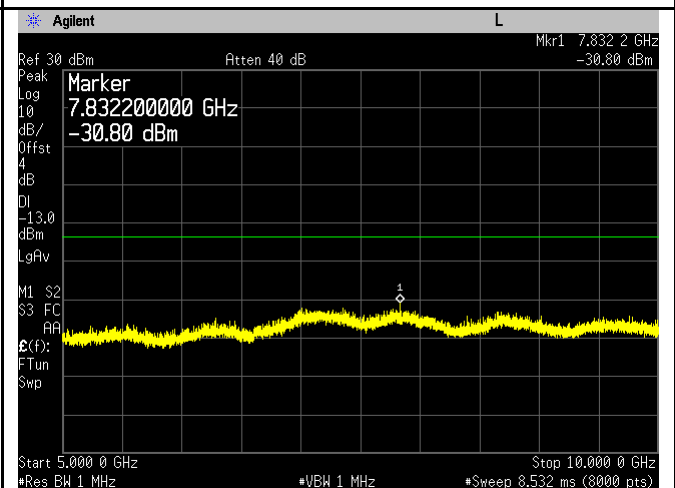
GSM 850 - Low Channel-1



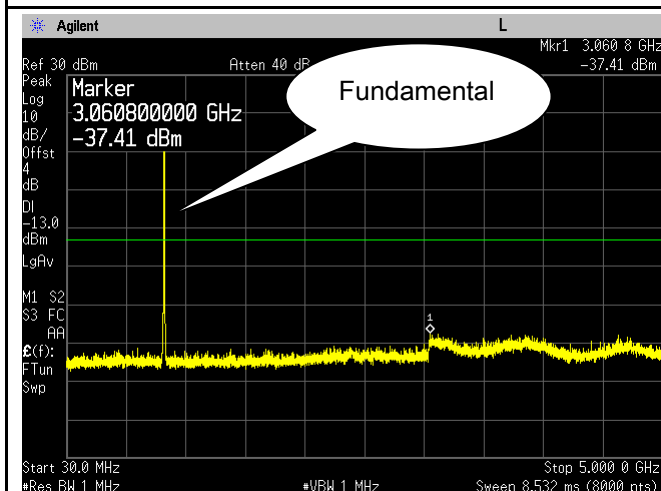
GSM 850 - Low Channel-2



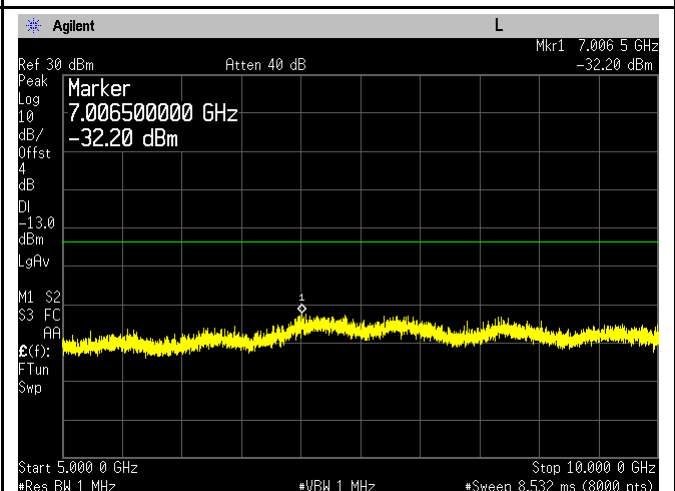
GSM 850 Middle Channel-1



GSM 850 Middle Channel-2

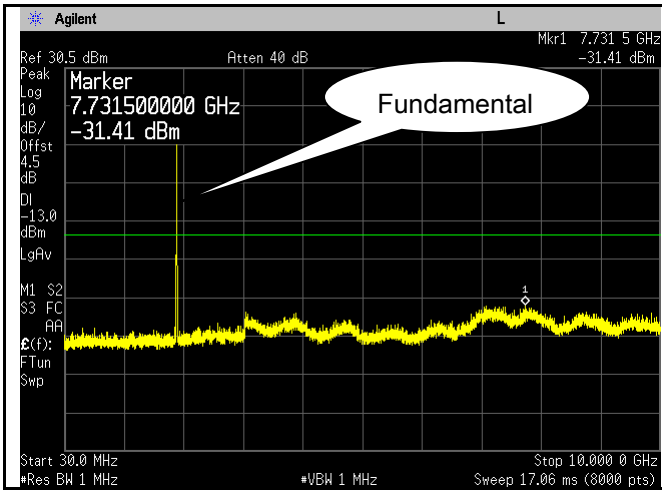


GSM 850 - High Channel-1

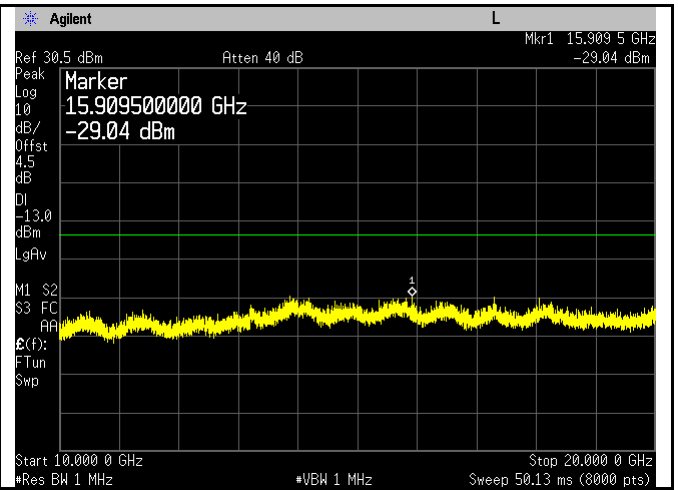


GSM 850 - High Channel-2

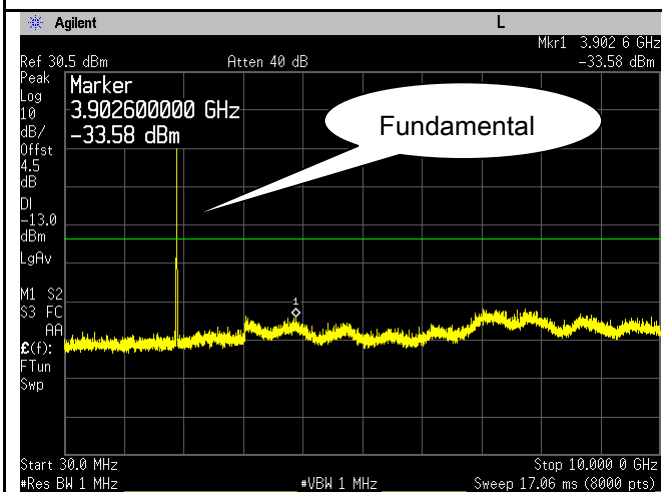
PCS Band (Part24E) result



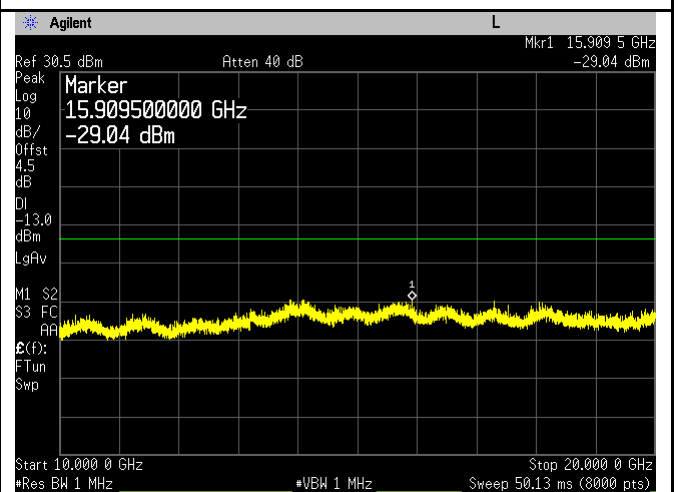
PCS1900 - Low Channel-1



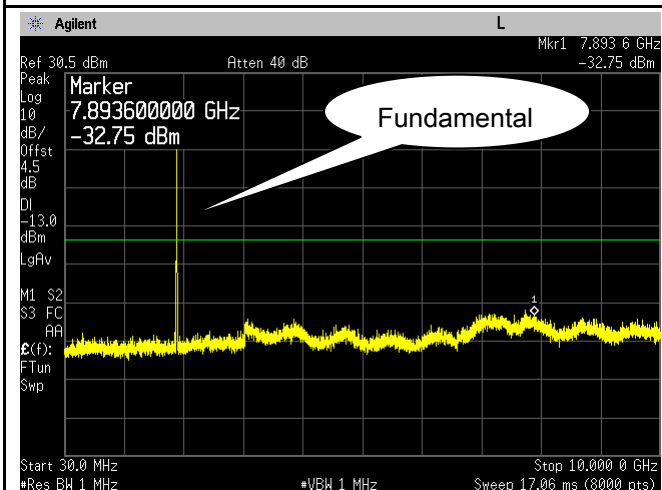
PCS 1900 - Low Channel-2



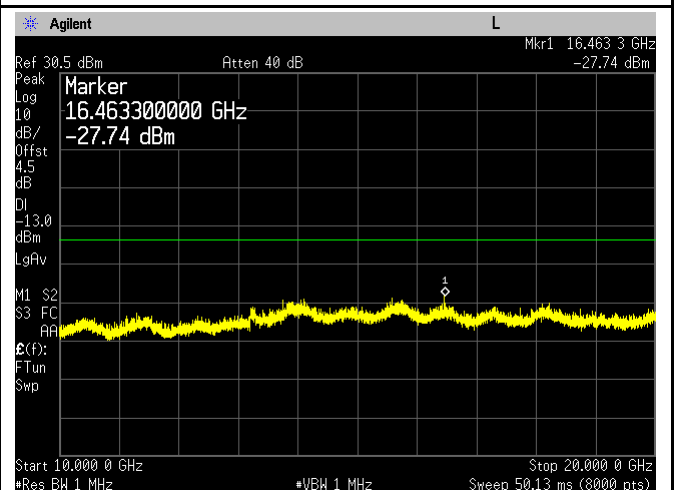
PCS1900 - Middle Channel-1



PCS 1900 - Middle Channel-2



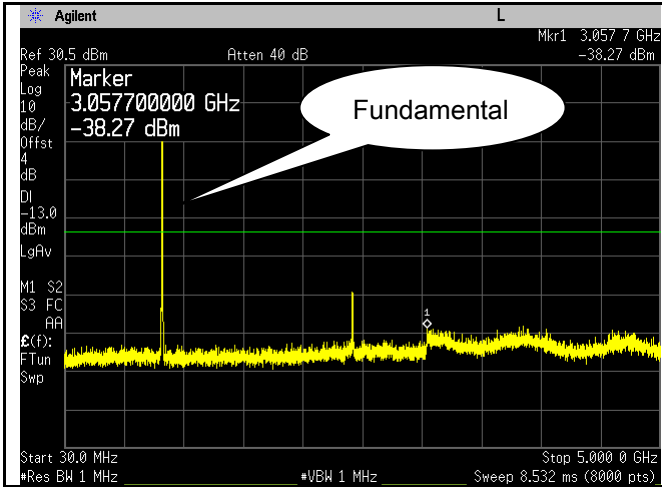
PCS1900 - High Channel-1



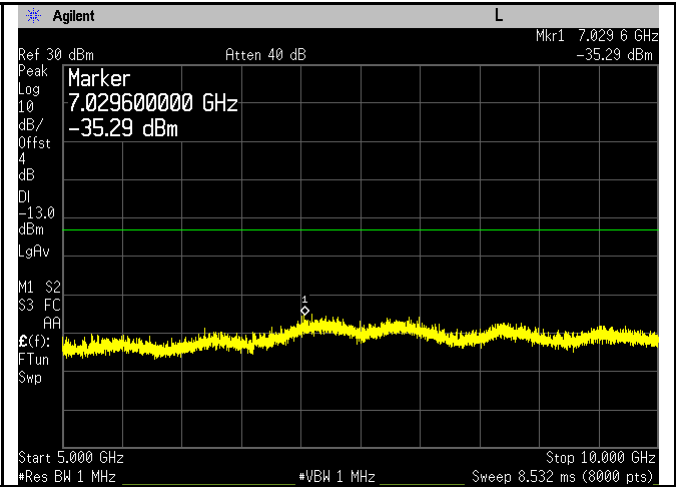
PCS 1900 - High Channel-2

GPRS:

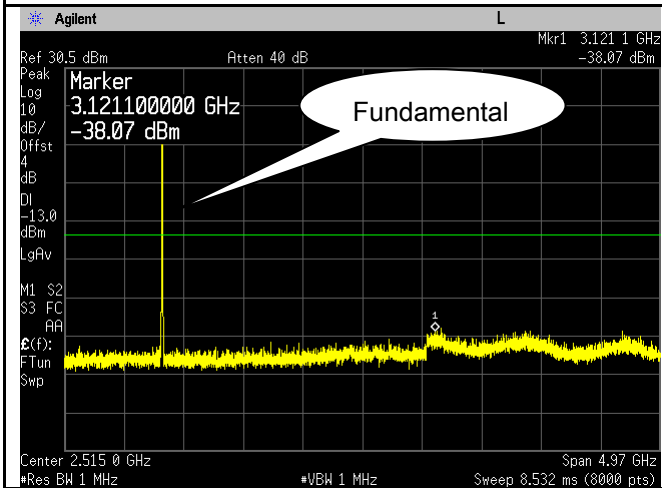
Cellular Band (Part 22H) result



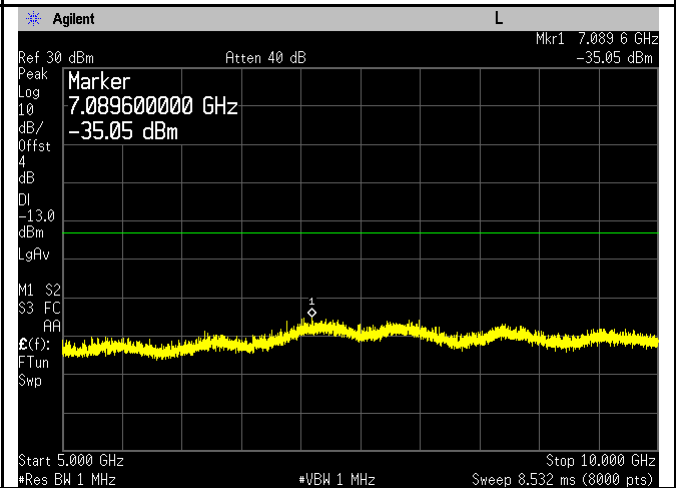
GSM 850 - Low Channel-1



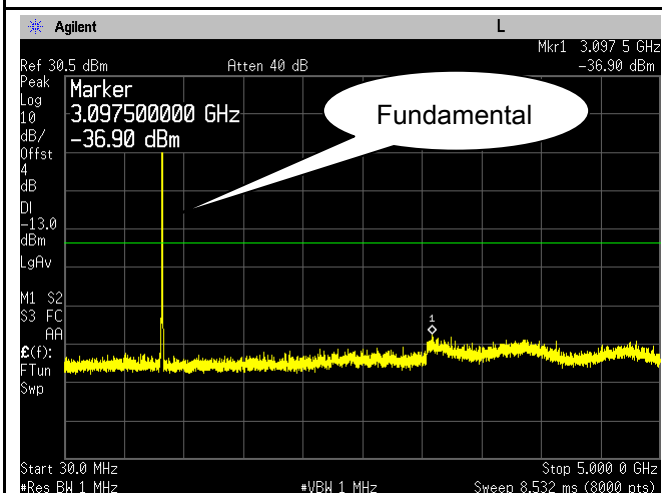
GSM 850 - Low Channel-2



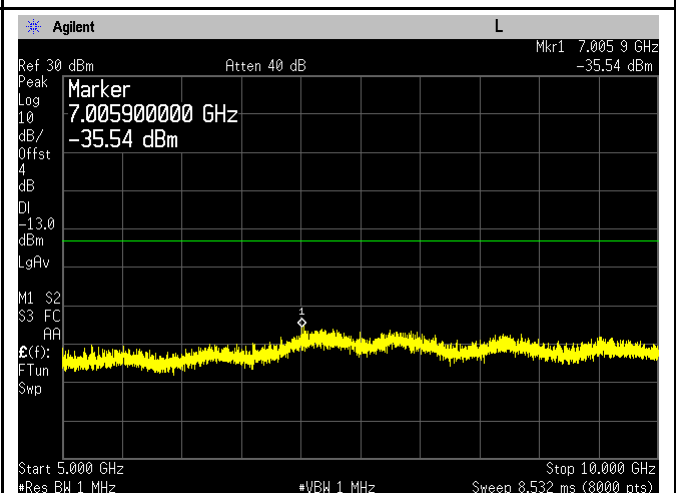
GSM 850 Middle Channel-1



GSM 850 Middle Channel-2

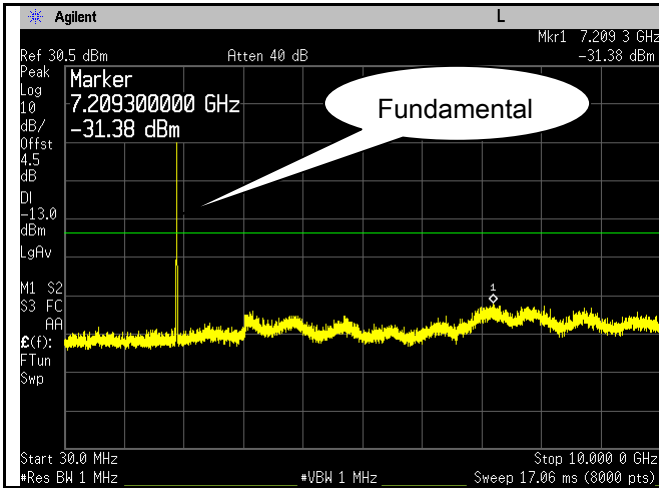


GSM 850 - High Channel-1

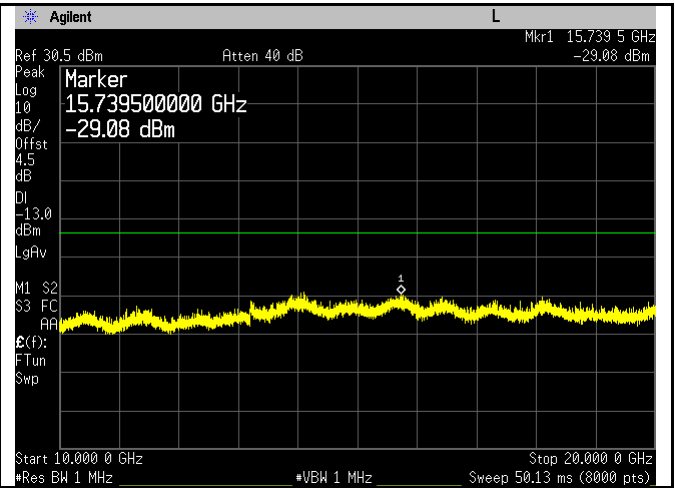


GSM 850 - High Channel-2

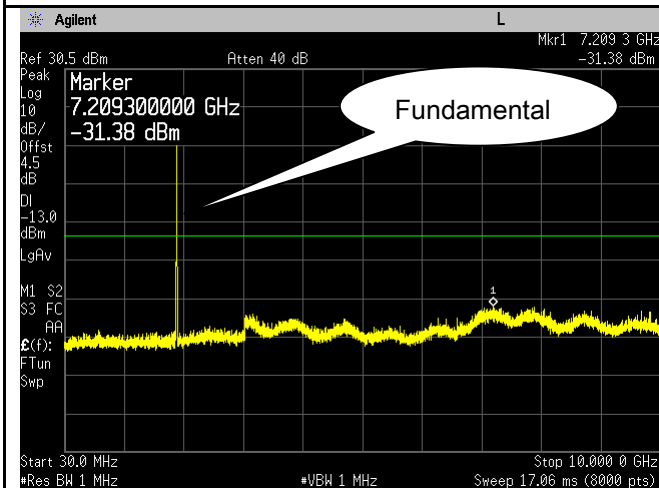
PCS Band (Part24E) result



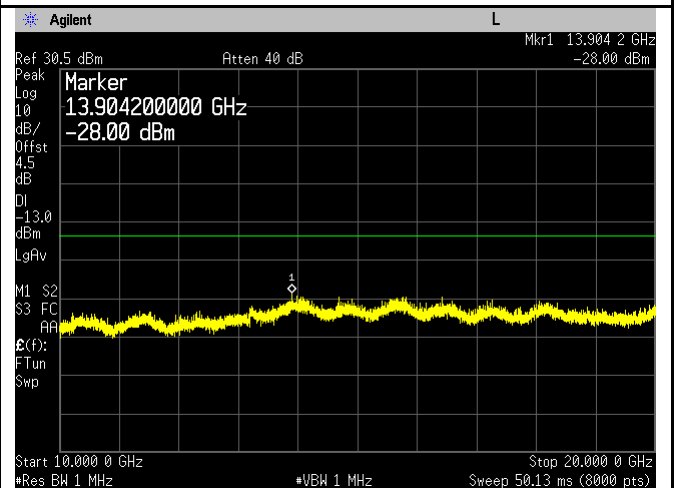
PCS1900 - Low Channel-1



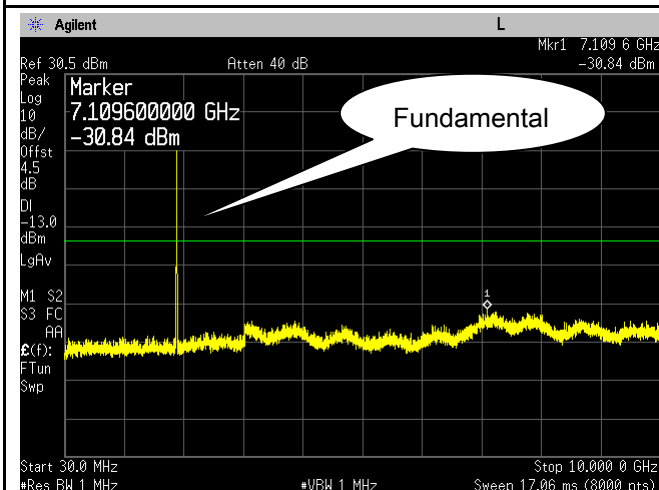
PCS 1900 - Low Channel-2



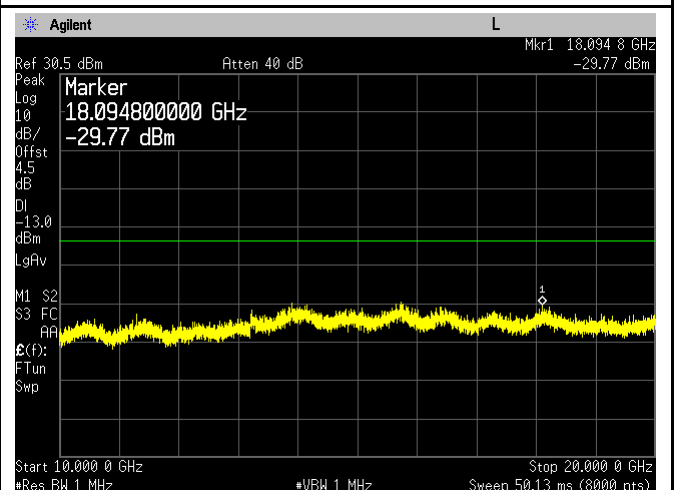
PCS1900 - Middle Channel-1



PCS 1900 - Middle Channel-2

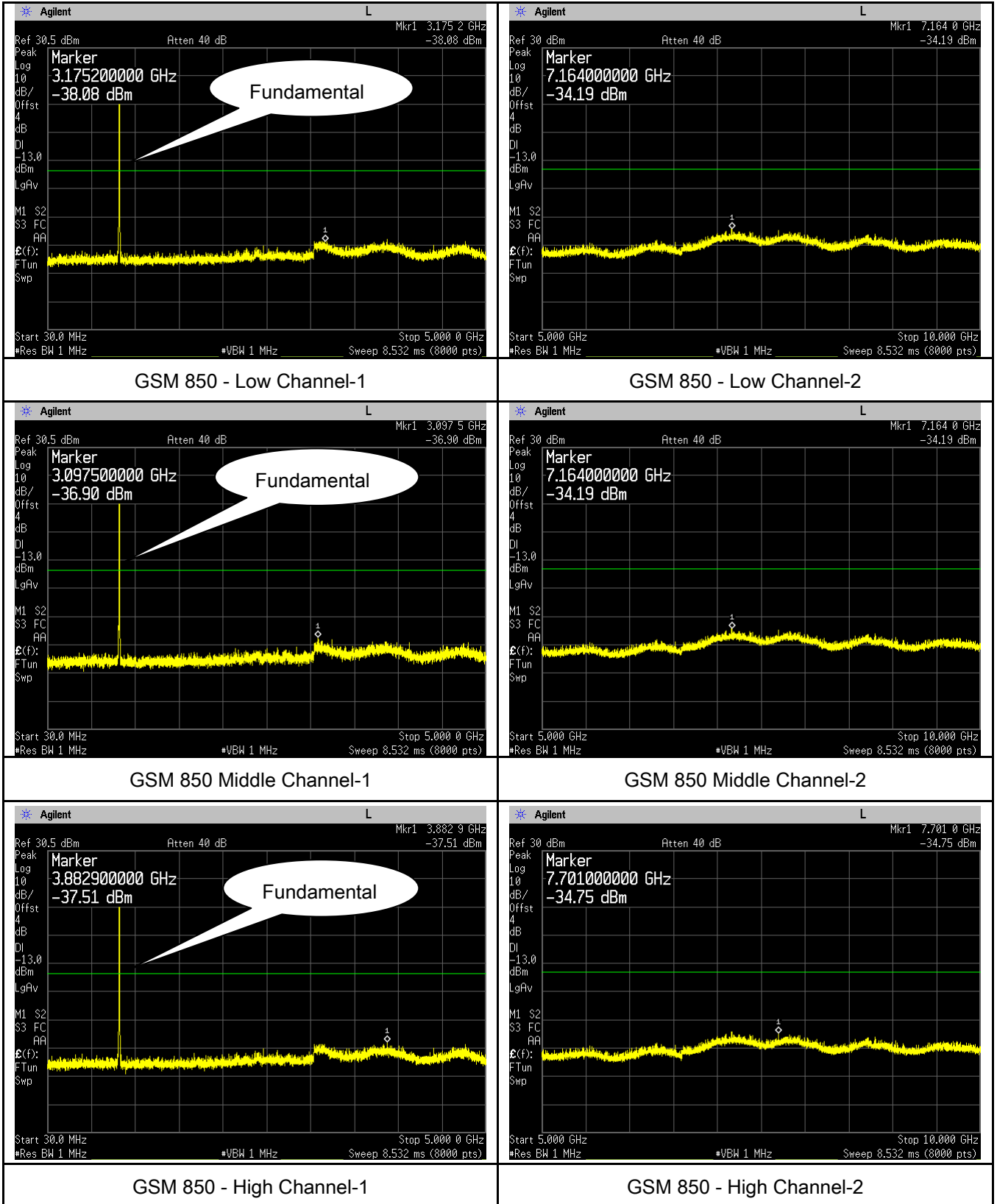


PCS1900 - High Channel-1

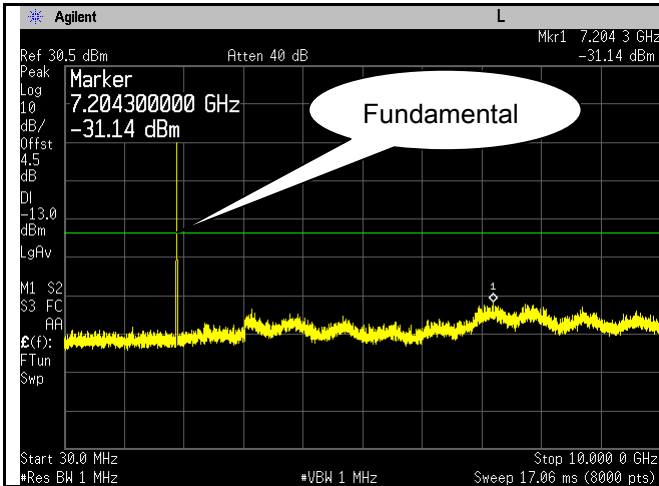


PCS 1900 - High Channel-2

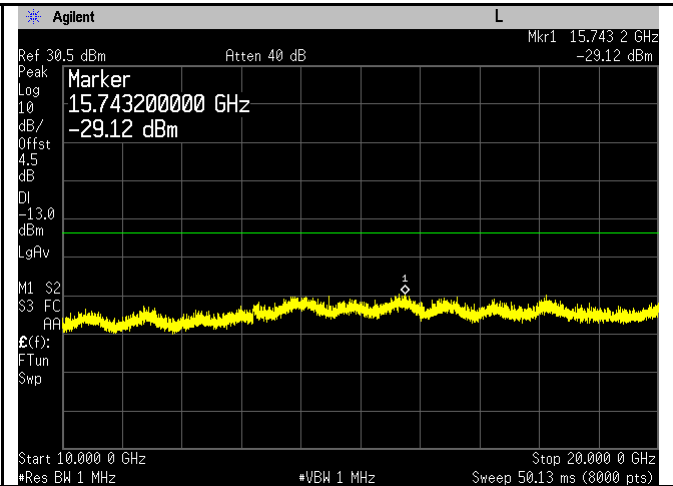
EGPRS (MCS 1):
Cellular Band (Part 22H) result



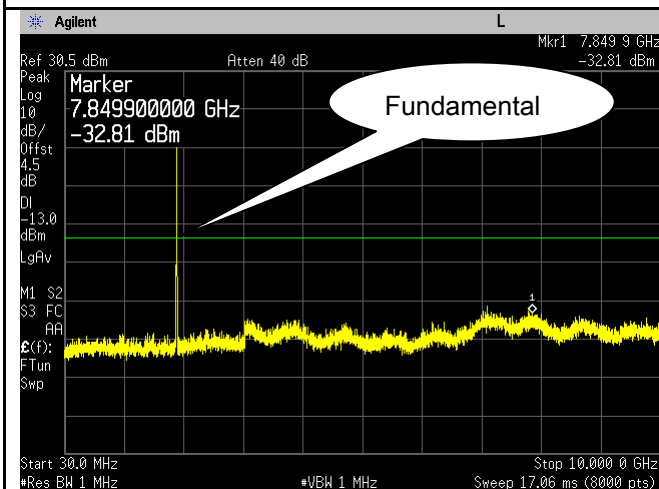
PCS Band (Part24E) result



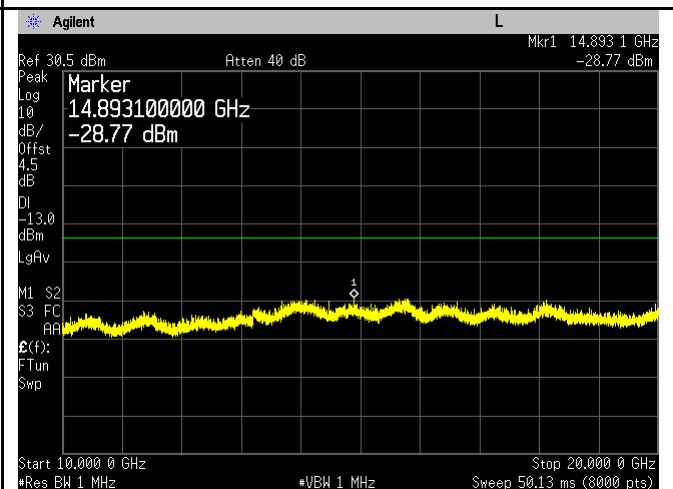
PCS1900 - Low Channel-1



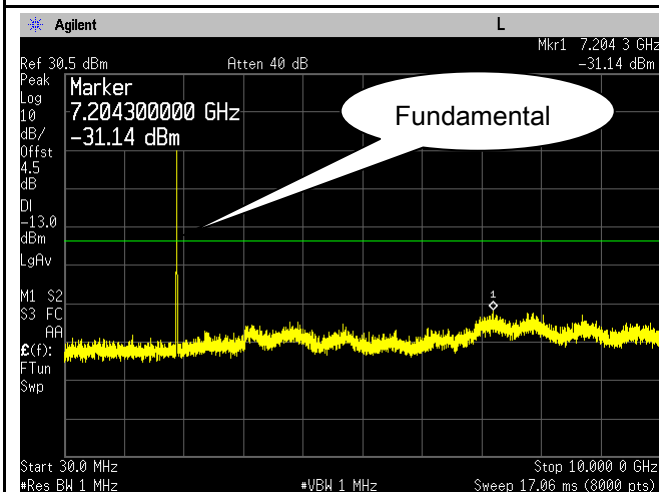
PCS 1900 - Low Channel-2



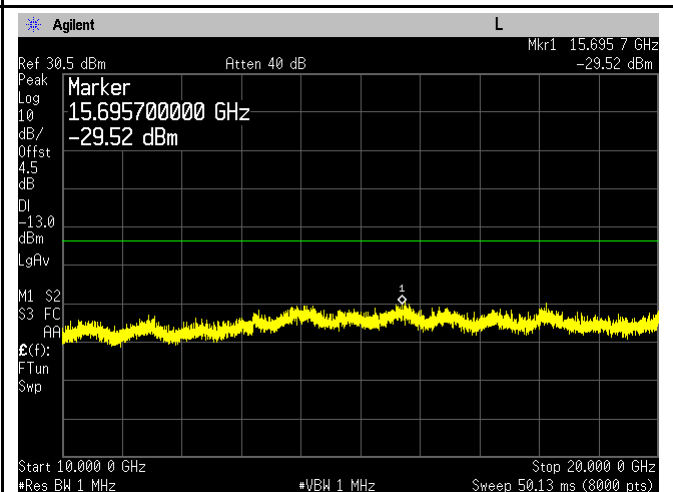
PCS1900 - Middle Channel-1



PCS 1900 - Middle Channel-2



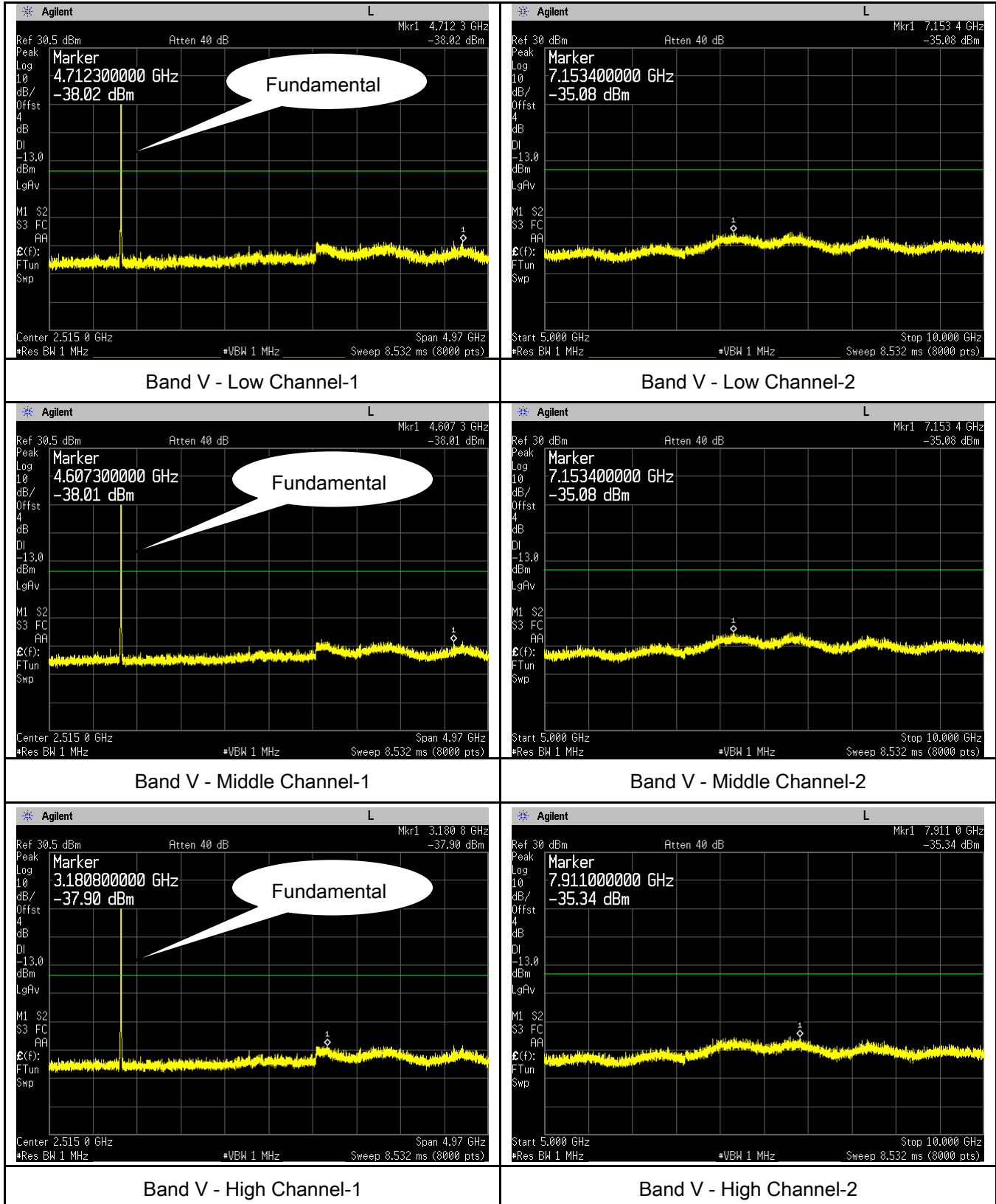
PCS1900 - High Channel-1



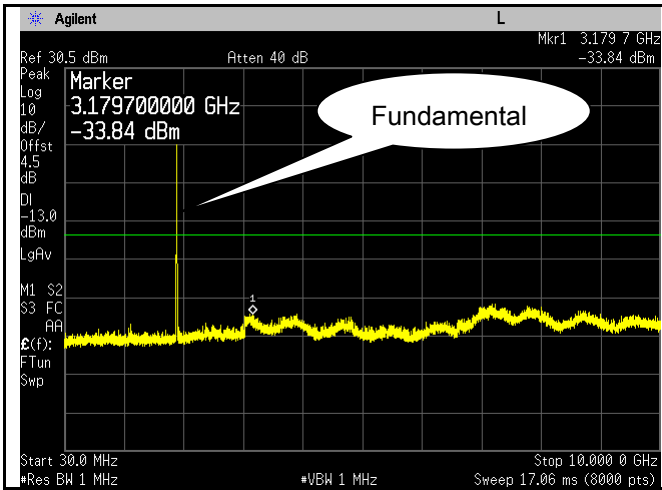
PCS 1900 - High Channel-2

RMC

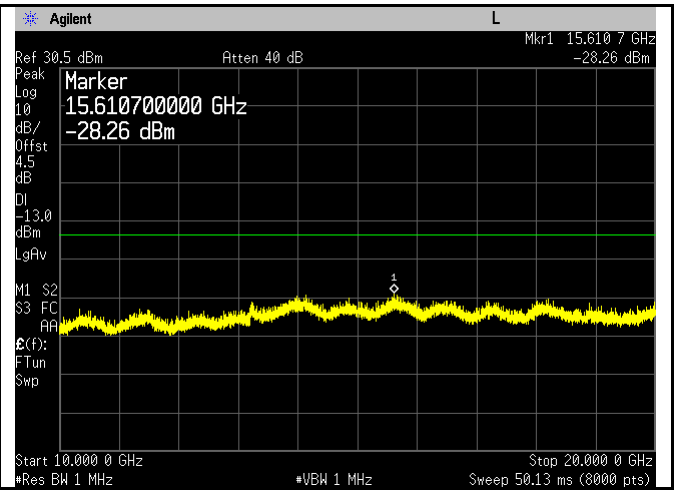
UMTS-FDD Band V (Part 22H)



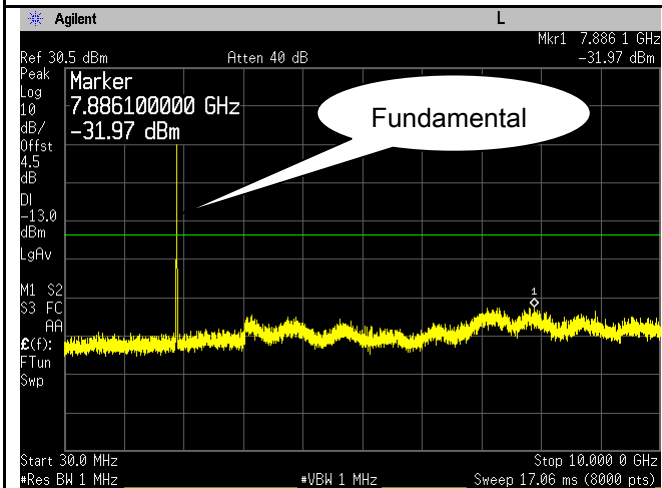
UMTS-FDD Band II (Part 24E)



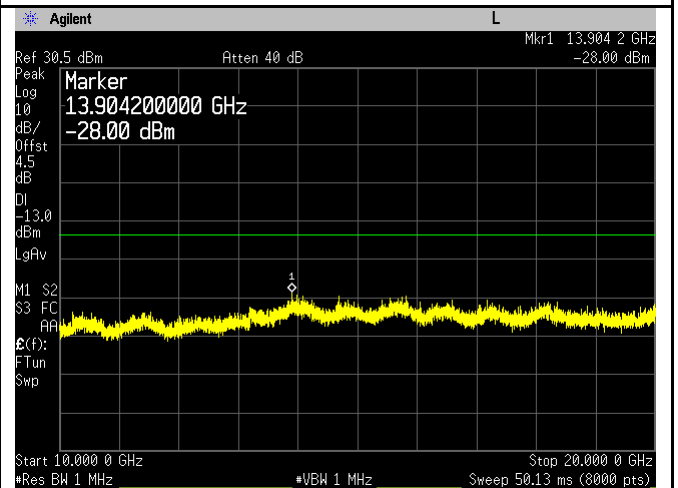
Band II - Low Channel-1



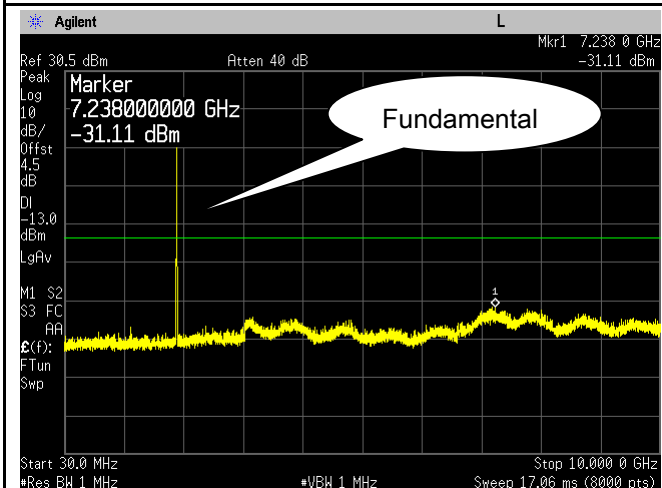
Band II - Low Channel-2



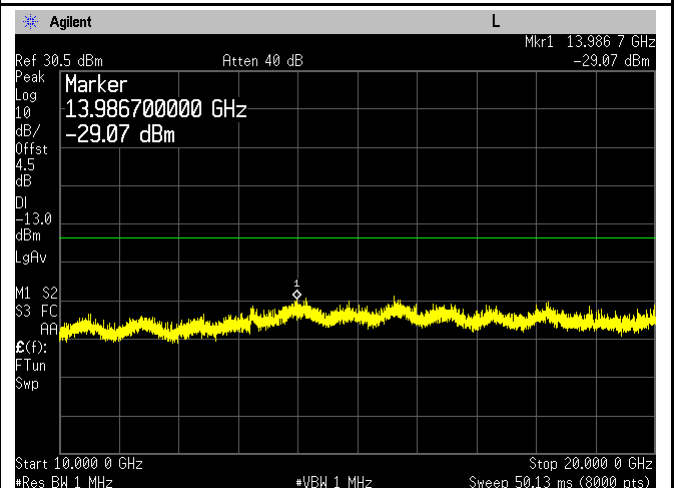
Band II - Middle Channel-1



Band II - Middle Channel-2

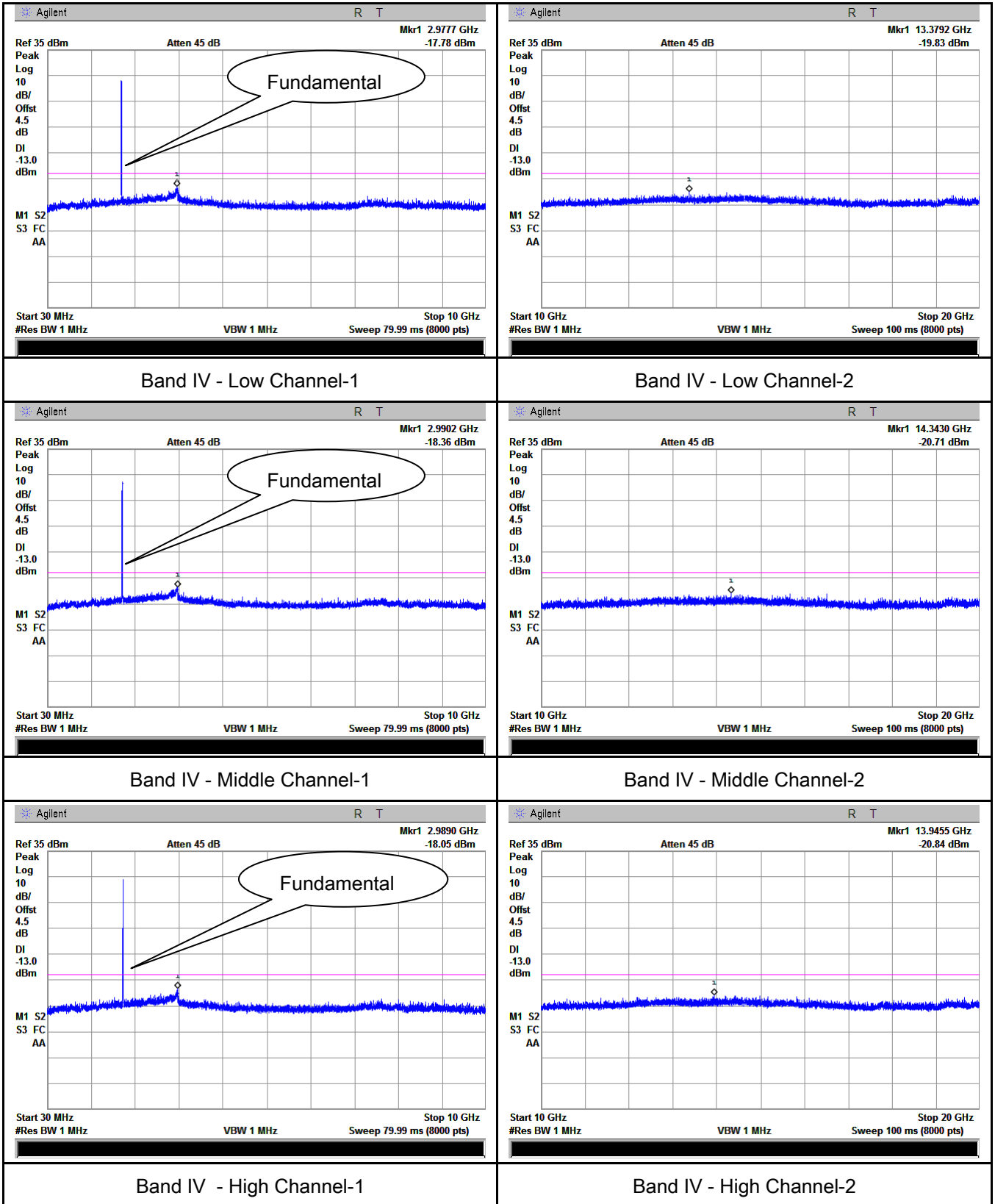


Band II - High Channel-1



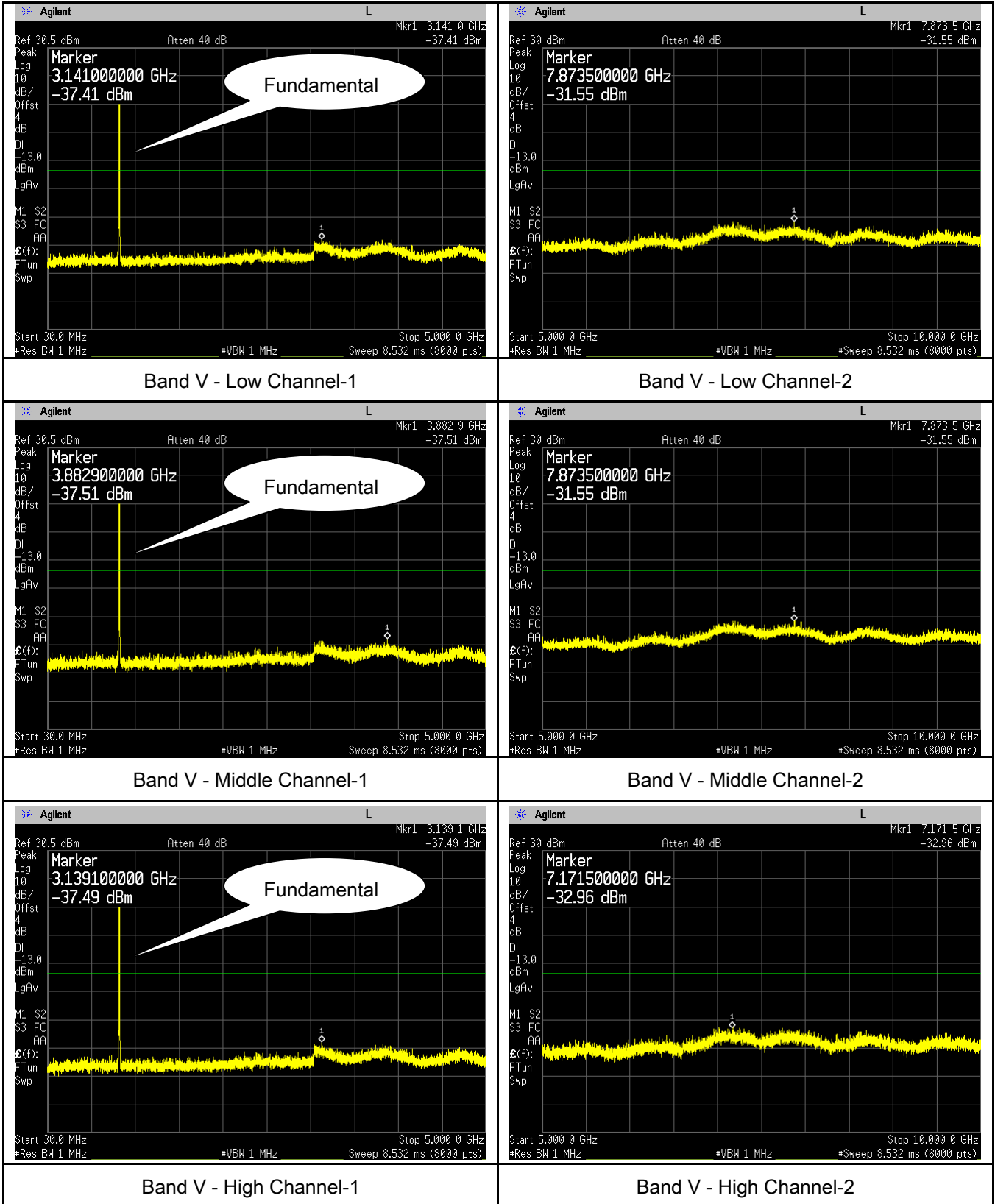
Band II - High Channel-2

UMTS-FDD Band IV (Part 27)

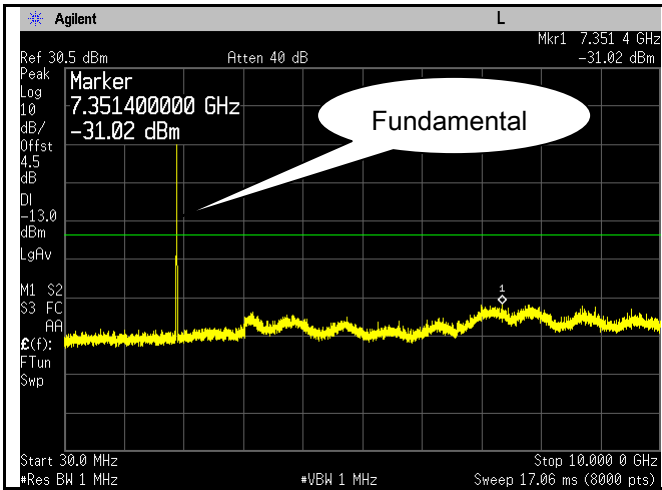


HSDPA:

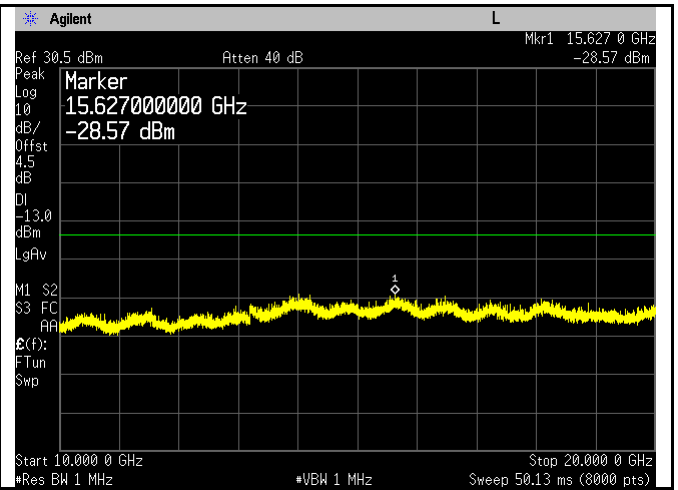
UMTS-FDD Band V (Part 22H)



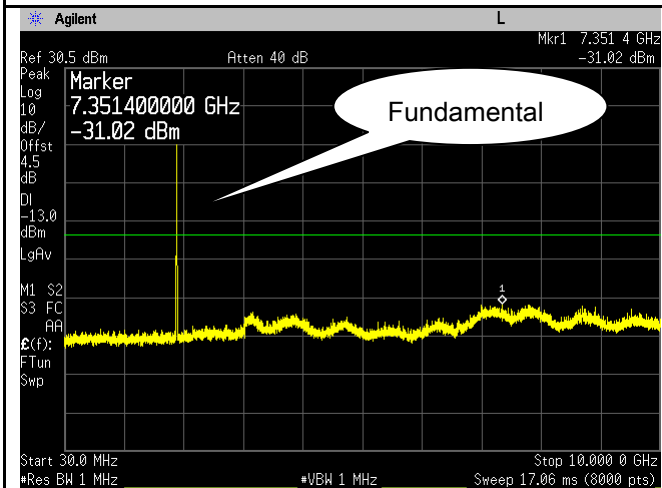
UMTS-FDD Band II (Part 24E)



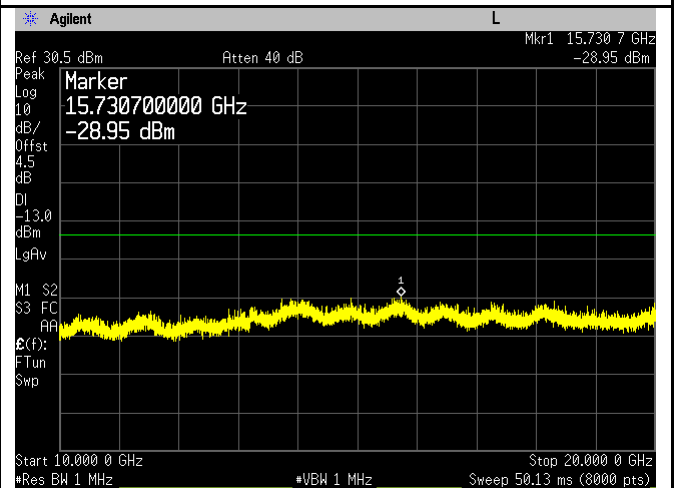
Band II - Low Channel-1



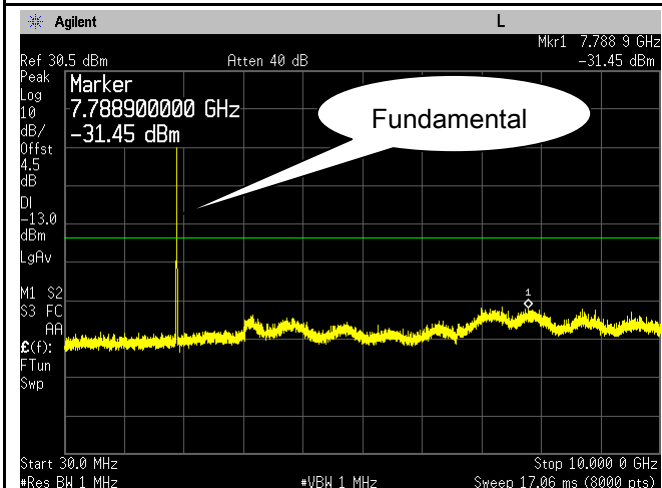
Band II - Low Channel-2



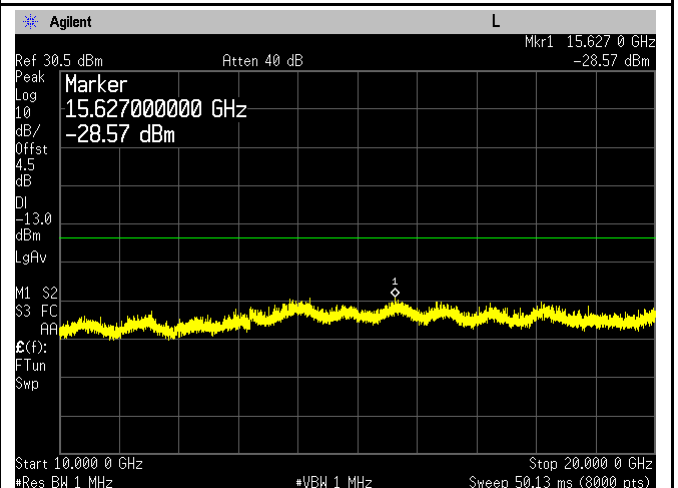
Band II - Middle Channel-1



Band II - Middle Channel-2

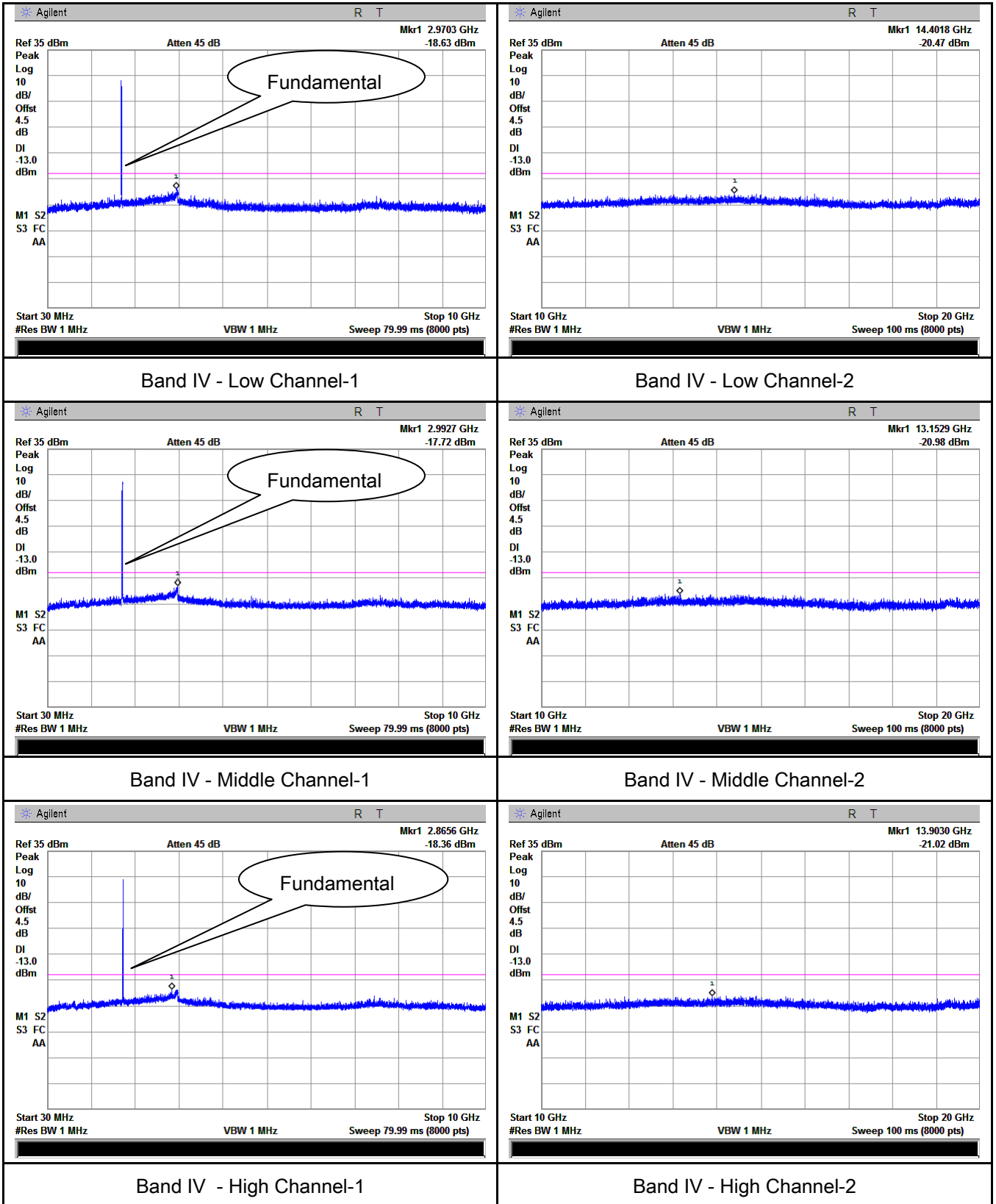


Band II - High Channel-1



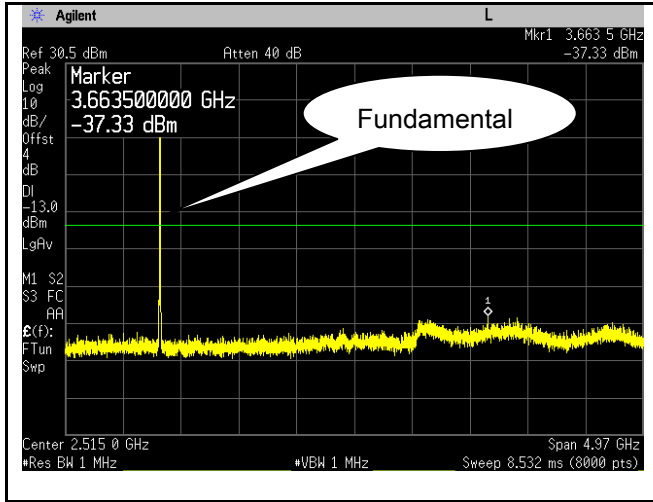
Band II - High Channel-2

UMTS-FDD Band IV (Part 27)

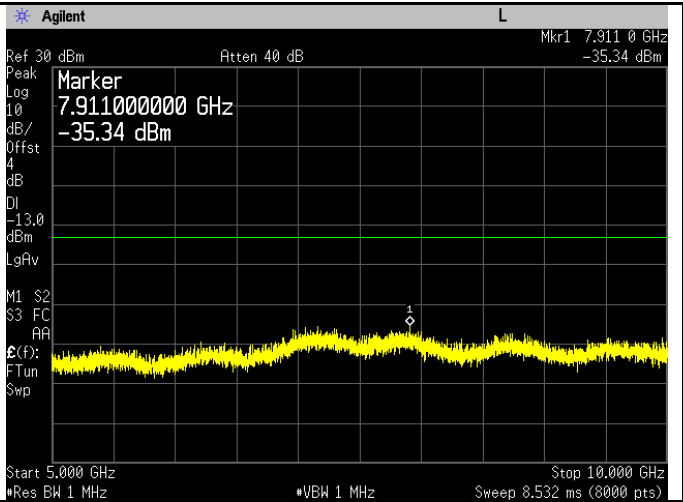


HSUPA:

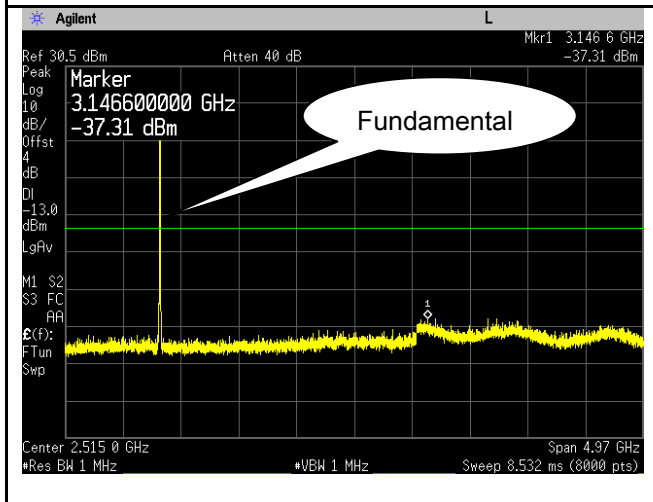
UMTS-FDD Band V (Part 22H)



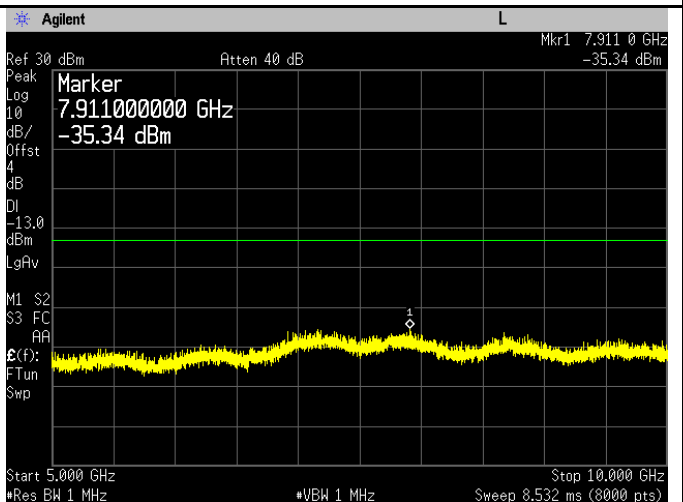
Band V - Low Channel-1



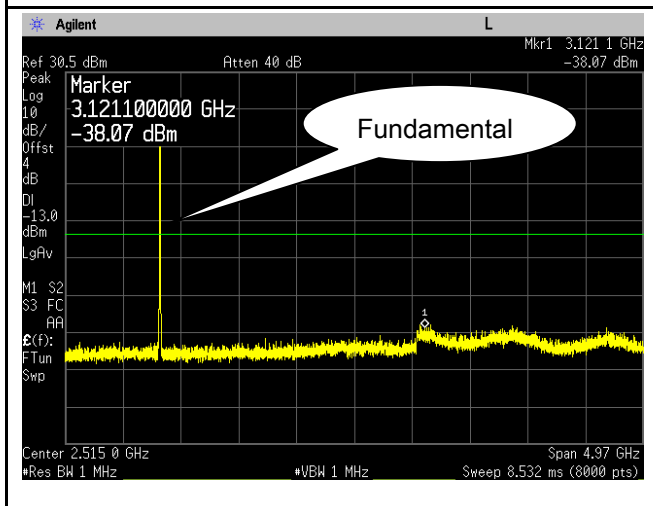
Band V - Low Channel-2



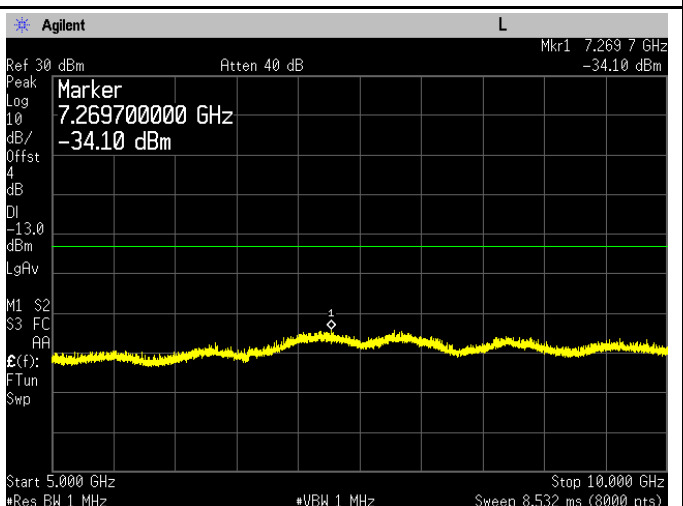
Band V - Middle Channel-1



Band V - Middle Channel-2

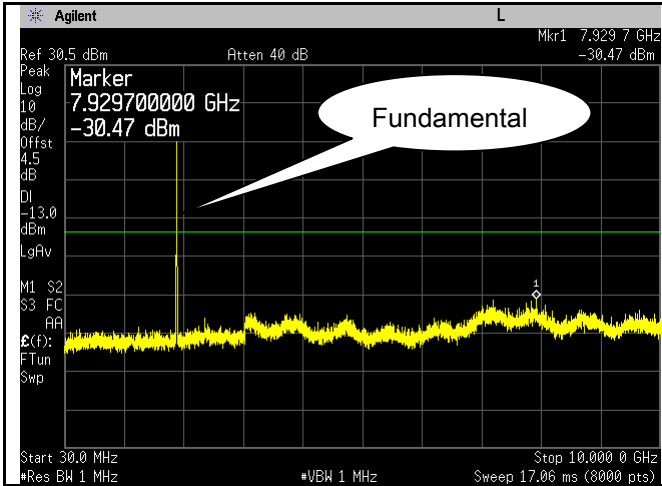


Band V - High Channel-1

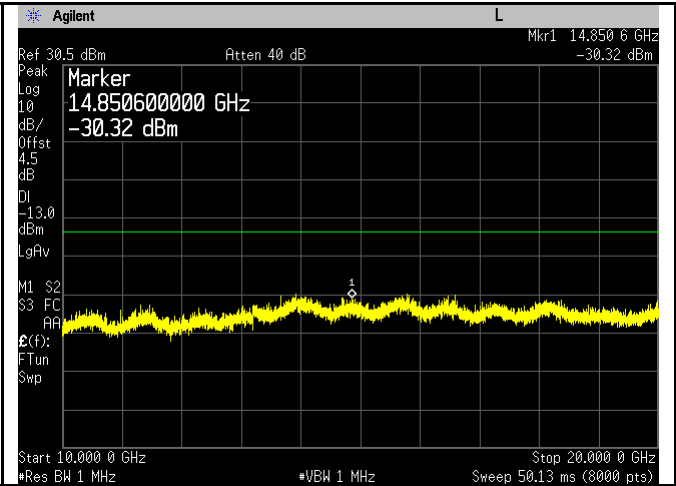


Band V - High Channel-2

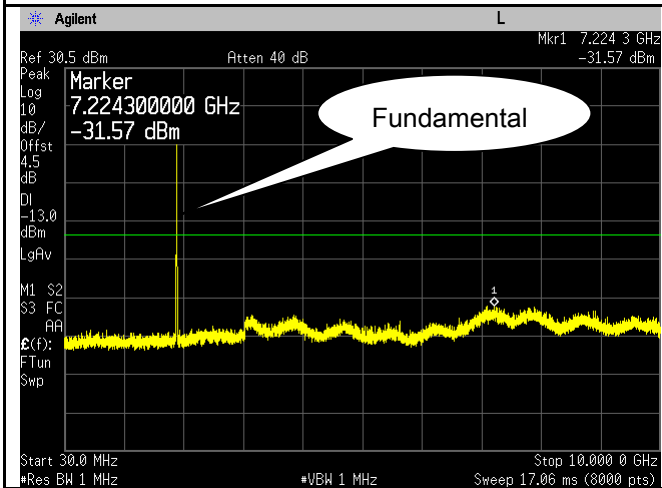
UMTS-FDD Band II (Part 24E)



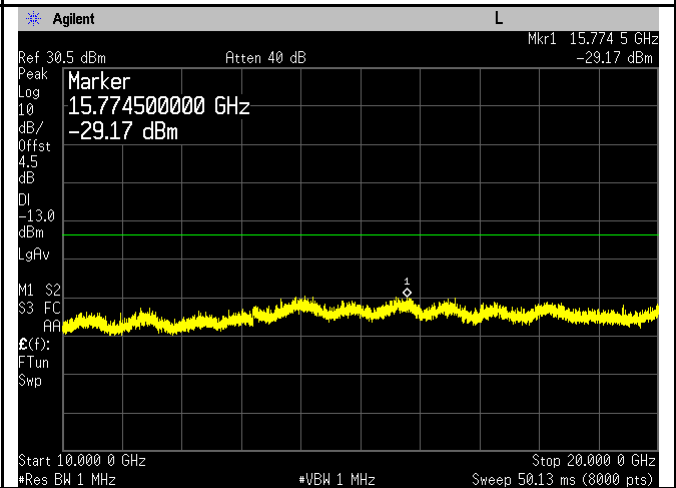
Band II - Low Channel-1



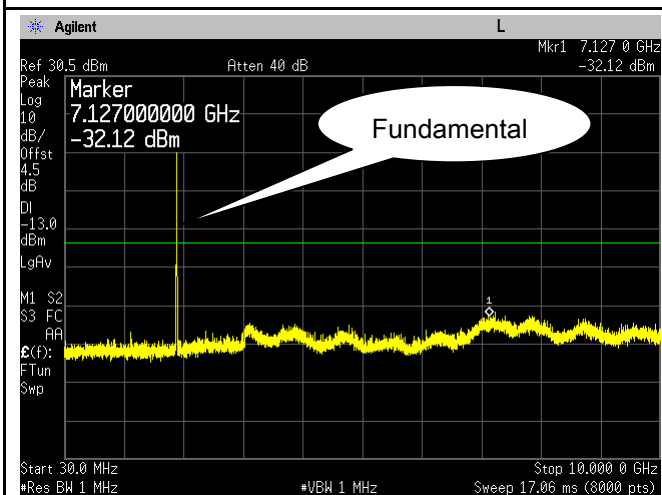
Band II - Low Channel-2



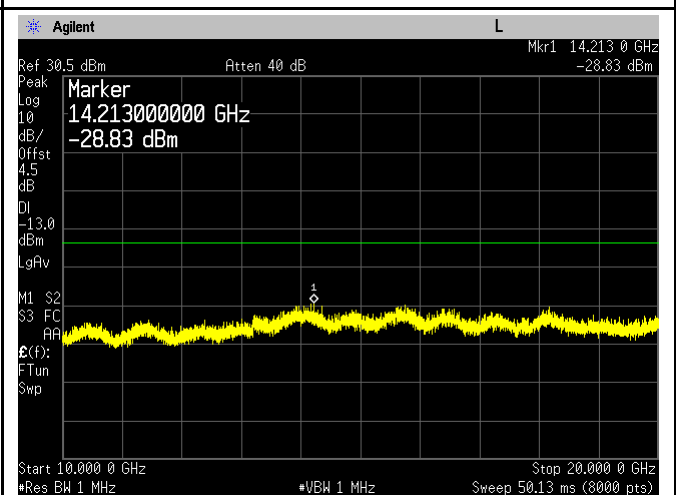
Band II - Middle Channel-1



Band II - Middle Channel-2

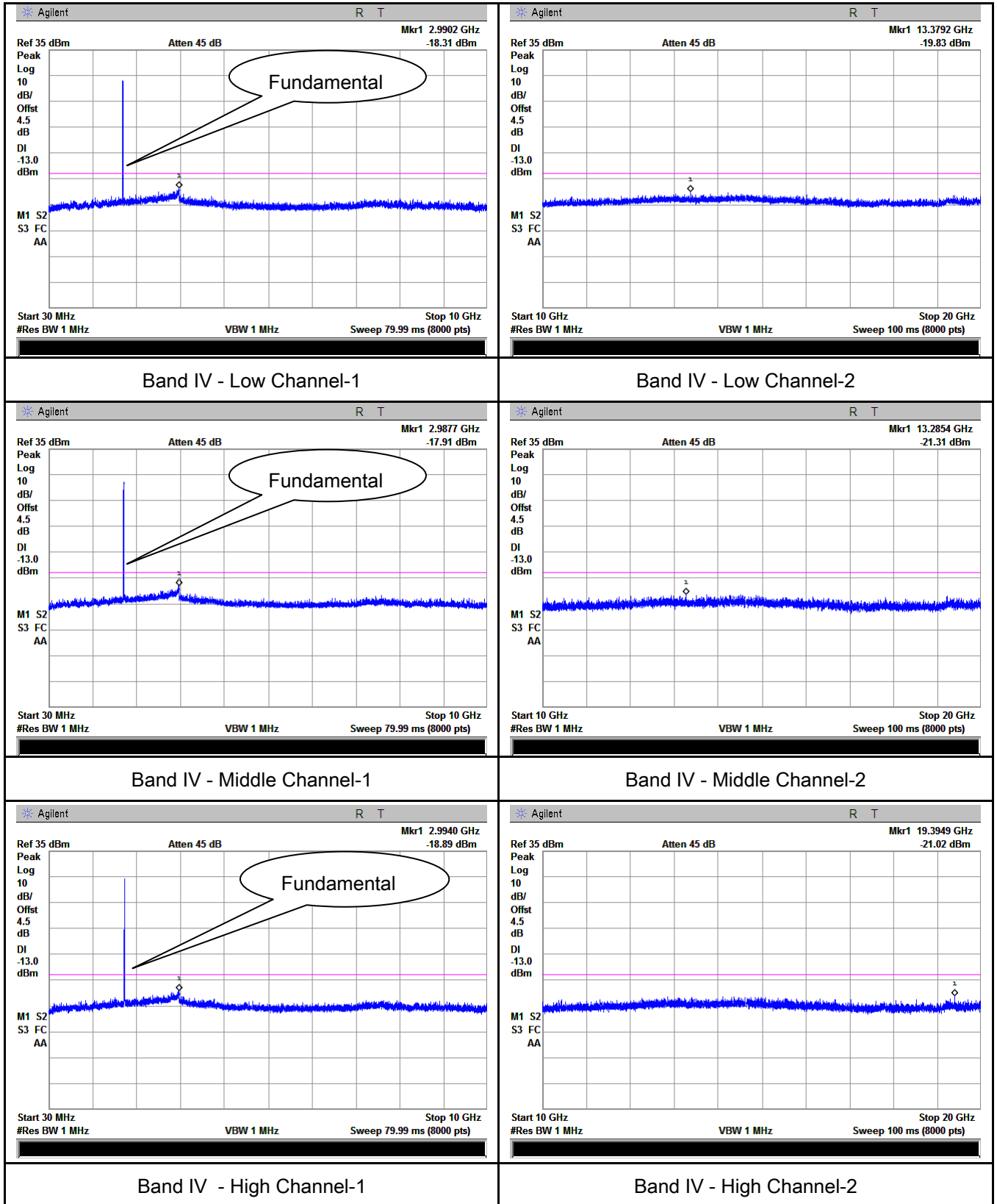


Band II - High Channel-1



Band II - High Channel-2

UMTS-FDD Band IV (Part 27)

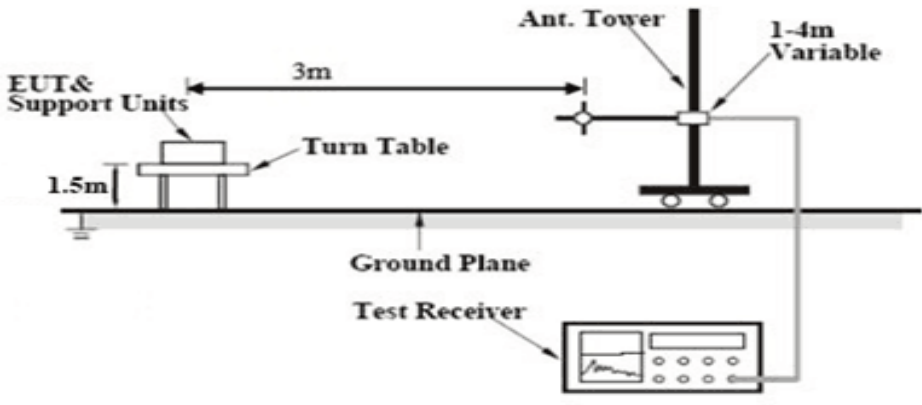


6.6 Spurious Radiated Emissions

| | |
|----------------------|-------------------|
| Temperature | 25°C |
| Relative Humidity | 57% |
| Atmospheric Pressure | 1023mbar |
| Test date : | December 27, 2017 |
| Tested By : | Aarron Liang |

Requirement(s):

| Spec | Item | Requirement | Applicable |
|--|------|---|-------------------------------------|
| §2.1053, §22.917 & §24.238 § 27.53(h) | a) | 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. | <input checked="" type="checkbox"/> |

| | |
|------------|--|
| Test setup |  |
|------------|--|

| | |
|----------------|---|
| Test Procedure | <ol style="list-style-type: none"> The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution. <p>Sample Calculation:</p> $\text{EUT Field Strength} = \text{Raw Amplitude (dB}\mu\text{V/m)} - \text{Amplifier Gain (dB)} + \text{Antenna Factor (dB)} + \text{Cable Loss (dB)} + \text{Filter Attenuation (dB, if used)}$ |
|----------------|---|

| | |
|--------|--|
| Remark | |
| Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |

Test Data Yes N/A
 Test Plot Yes (See below) N/A

Cellular Band (Part 22H) result

Low channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 1648.4 | -44.04 | V | 7.95 | 0.67 | -36.76 | -13 | -23.76 |
| 1648.4 | -43.48 | H | 7.95 | 0.67 | -36.2 | -13 | -23.2 |
| 562.62 | -53.12 | V | 6.38 | 0.32 | -47.06 | -13 | -34.06 |
| 748.77 | -52.54 | H | 6.09 | 0.44 | -46.89 | -13 | -33.89 |

Middle channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 1673.2 | -42.58 | V | 7.95 | 0.67 | -35.3 | -13 | -22.3 |
| 1673.2 | -44.34 | H | 7.95 | 0.67 | -37.06 | -13 | -24.06 |
| 781.72 | -52.78 | V | 6.06 | 0.44 | -47.16 | -13 | -34.16 |
| 763.9 | -53.04 | H | 6.1 | 0.45 | -47.39 | -13 | -34.39 |

High channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 1697.6 | -42.68 | V | 7.95 | 0.68 | -35.41 | -13 | -22.41 |
| 1697.6 | -43.39 | H | 7.95 | 0.68 | -36.12 | -13 | -23.12 |
| 207.76 | -51.91 | V | 3.74 | 0.17 | -48.34 | -13 | -35.34 |
| 561.14 | -51.96 | H | 6.45 | 0.33 | -45.84 | -13 | -32.84 |

Note:

- 1, The testing has been conformed to $10 \times 848.8 \text{ MHz} = 8,488 \text{ MHz}$
- 2, All other emissions more than 30 dB below the limit
- 3, GSM voice and GPRS mode were investigated. The results above show only the worse cases
- 4, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.

PCS Band (Part24E) result

Low channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 3700.4 | -48.72 | V | 10.25 | 1 | -39.47 | -13 | -26.47 |
| 3700.4 | -48.43 | H | 10.25 | 1 | -39.18 | -13 | -26.18 |
| 594.36 | -53.94 | V | 6.44 | 0.37 | -47.87 | -13 | -34.87 |
| 710.52 | -53.92 | H | 6.32 | 0.38 | -47.98 | -13 | -34.98 |

Middle channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 3760 | -48.19 | V | 10.25 | 1.01 | -38.95 | -13 | -25.95 |
| 3760 | -49.87 | H | 10.25 | 1.01 | -40.63 | -13 | -27.63 |
| 400.87 | -53.48 | V | 5.98 | 0.27 | -47.77 | -13 | -34.77 |
| 814.44 | -53.38 | H | 6.1 | 0.48 | -47.76 | -13 | -34.76 |

High channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 3819.6 | -49.08 | V | 10.36 | 1.02 | -39.74 | -13 | -26.74 |
| 3819.6 | -48.8 | H | 10.36 | 1.02 | -39.46 | -13 | -26.46 |
| 817.35 | -53.31 | V | 6.15 | 0.46 | -47.62 | -13 | -34.62 |
| 532.87 | -50.78 | H | 6.41 | 0.38 | -44.75 | -13 | -31.75 |

Note:

- 1, The testing has been conformed to $10 \times 1909.8 \text{MHz} = 19,098 \text{MHz}$
- 2, All other emissions more than 30 dB below the limit
- 3, GSM voice and GPRS mode were investigated. The results above show only the worse cases
- 4, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.
- 5, The radiated spurious test above 18GHz is subcontracted to SIEMIC (Nanjing-China) Laboratories. and found 30dB below the limit at least.

UMTS-FDD Band V (Part 22H)

Low channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 1652.8 | -46.73 | V | 7.95 | 0.67 | -39.45 | -13 | -26.45 |
| 1652.8 | -45.73 | H | 7.95 | 0.67 | -38.45 | -13 | -25.45 |
| 424.8 | -52.14 | V | 5.99 | 0.3 | -46.45 | -13 | -33.45 |
| 614.52 | -53.28 | H | 6.29 | 0.44 | -47.43 | -13 | -34.43 |

Middle channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 1670 | -46.15 | V | 7.95 | 0.67 | -38.87 | -13 | -25.87 |
| 1670 | -46.07 | H | 7.95 | 0.67 | -38.79 | -13 | -25.79 |
| 395.15 | -51.98 | V | 6.03 | 0.27 | -46.22 | -13 | -33.22 |
| 606.59 | -52.78 | H | 5.99 | 0.27 | -47.06 | -13 | -34.06 |

High channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 1693.2 | -47.47 | V | 7.95 | 0.68 | -40.2 | -13 | -27.20 |
| 1693.2 | -46.05 | H | 7.95 | 0.68 | -38.78 | -13 | -25.78 |
| 414.72 | -51.71 | V | 6.01 | 0.29 | -45.99 | -13 | -32.99 |
| 241.46 | -52.7 | H | 6.03 | 0.23 | -46.9 | -13 | -33.90 |

Note:

- 1, The testing has been conformed to $10 \times 846.6 \text{ MHz} = 8,466 \text{ MHz}$
- 2, All other emissions more than 30 dB below the limit
- 3, RMC, HSUPA and HSDPA mode were investigated. The results above show only the worse cases
- 4, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.

UMTS-FDD Band II (Part 24E)

Low channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 3704.8 | -50.1 | V | 10.25 | 1 | -40.85 | -13 | -27.85 |
| 3704.8 | -50.21 | H | 10.25 | 1 | -40.96 | -13 | -27.96 |
| 830.21 | -53.23 | V | 6.1 | 0.45 | -47.58 | -13 | -34.58 |
| 326.41 | -53.31 | H | 5.96 | 0.28 | -47.63 | -13 | -34.63 |

Middle channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 3760 | -50.14 | V | 10.25 | 1.01 | -40.9 | -13 | -27.9 |
| 3760 | -49.67 | H | 10.25 | 1.01 | -40.43 | -13 | -27.43 |
| 822.92 | -54.04 | V | 6.11 | 0.42 | -48.35 | -13 | -35.35 |
| 611.39 | -52.63 | H | 5.99 | 0.28 | -46.92 | -13 | -33.92 |

High channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 3815.2 | -48.96 | V | 10.36 | 1.02 | -39.62 | -13 | -26.62 |
| 3815.2 | -49.1 | H | 10.36 | 1.02 | -39.76 | -13 | -26.76 |
| 598.97 | -53.88 | V | 6.35 | 0.34 | -47.87 | -13 | -34.87 |
| 286.36 | -54 | H | 6 | 0.26 | -48.26 | -13 | -35.26 |

Note:

- 1, The testing has been conformed to $10 \times 1907.6 \text{ MHz} = 19,076 \text{ MHz}$
- 2, All other emissions more than 30 dB below the limit
- 3, RMC, HSUPA and HSDPA mode were investigated. The results above show only the worse cases
- 4, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case
- 5, The radiated spurious test above 18GHz is subcontracted to SIEMIC (Nanjing-China) Laboratories. and found 30dB below the limit at least.

UMTS-FDD Band IV (Part 27)

Low channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 3424.8 | -44.14 | V | 10.07 | 0.96 | -35.03 | -13 | -22.03 |
| 3424.8 | -44.32 | H | 10.07 | 0.96 | -35.21 | -13 | -22.21 |
| 345.02 | -52.74 | V | 5.95 | 0.29 | -47.08 | -13 | -34.08 |
| 588.24 | -53.41 | H | 6.08 | 0.38 | -47.71 | -13 | -34.71 |

Middle channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 3480 | -43.45 | V | 10.09 | 0.96 | -34.32 | -13 | -21.32 |
| 3480 | -43.12 | H | 10.09 | 0.96 | -33.99 | -13 | -20.99 |
| 786.33 | -52.56 | V | 6.36 | 0.43 | -46.63 | -13 | -33.63 |
| 771.16 | -52.65 | H | 6.39 | 0.43 | -46.69 | -13 | -33.69 |

High channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 3505.2 | -42.99 | V | 10.09 | 0.97 | -33.87 | -13 | -20.87 |
| 3505.2 | -43.29 | H | 10.09 | 0.97 | -34.17 | -13 | -21.17 |
| 797.68 | -52.31 | V | 6.41 | 0.42 | -46.32 | -13 | -33.32 |
| 289.21 | -52.22 | H | 5.87 | 0.26 | -46.61 | -13 | -33.61 |

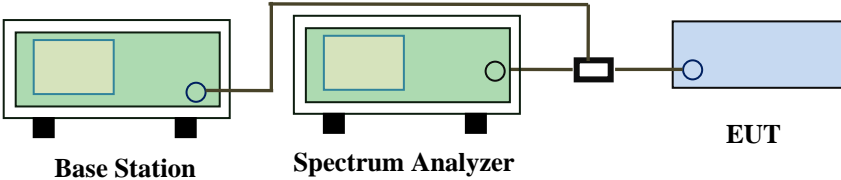
Note:

- 1, The testing has been conformed to $10 \times 1752.6 \text{ MHz} = 17,526 \text{ MHz}$
- 2, All other emissions more than 30 dB below the limit
- 3, RMC, HSUPA and HSDPA mode were investigated. The results above show only the worse cases.
- 4, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.

6.7 Band Edge

| | |
|----------------------|-------------------|
| Temperature | 25°C |
| Relative Humidity | 57% |
| Atmospheric Pressure | 1023mbar |
| Test date : | December 27, 2017 |
| Tested By : | Aarron Liang |

Requirement(s):

| Spec | Item | Requirement | Applicable |
|--|--|--|-------------------------------------|
| §22.917(a) §24.238(a) § 27.53(h) | a) | 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. | <input checked="" type="checkbox"/> |
| Test setup |  <p>The diagram shows a Base Station (green box) connected to a Spectrum Analyzer (green box) and an EUT (blue box) via a power divider (black box). The Base Station and Spectrum Analyzer are connected to each other, and the Spectrum Analyzer is connected to the power divider, which then splits the signal to the EUT.</p> | | |
| Procedure | <ul style="list-style-type: none"> - The EUT was connected to Spectrum Analyzer and Base Station via power divider. - The Band Edges of low and high channels for the highest RF powers were measured. Setting RBW as roughly BW/100. | | |
| Remark | | | |
| Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | | |

Test Data Yes N/A
 Test Plot Yes (See below) N/A

GSM Voice:

Cellular Band (Part 22H) result

| Frequency (MHz) | Emission (dBm) | Limit (dBm) |
|-----------------|----------------|-------------|
| 823.997 | -16.09 | -13 |
| 849.019 | -18.95 | -13 |

PCS Band (Part24E) result

| Frequency (MHz) | Emission (dBm) | Limit (dBm) |
|-----------------|----------------|-------------|
| 1849.980 | -21.79 | -13 |
| 1910.020 | -19.52 | -13 |

GPRS:

Cellular Band (Part 22H) result

| Frequency (MHz) | Emission (dBm) | Limit (dBm) |
|-----------------|----------------|-------------|
| 823.994 | -18.40 | -13 |
| 849.022 | -18.23 | -13 |

PCS Band (Part24E) result

| Frequency (MHz) | Emission (dBm) | Limit (dBm) |
|-----------------|----------------|-------------|
| 1849.996 | -18.09 | -13 |
| 1910.020 | -19.52 | -13 |

EGPRS (MCS 1):

Cellular Band (Part 22H) result

| Frequency (MHz) | Emission (dBm) | Limit (dBm) |
|-----------------|----------------|-------------|
| 823.996 | -16.09 | -13 |
| 849.024 | -18.77 | -13 |

PCS Band (Part24E) result

| Frequency (MHz) | Emission (dBm) | Limit (dBm) |
|-----------------|----------------|-------------|
| 1849.980 | -21.79 | -13 |
| 1910.022 | -20.60 | -13 |

RMC:

UMTS-FDD Band V (Part 22H)

| Frequency (MHz) | Emission (dBm) | Limit (dBm) |
|-----------------|----------------|-------------|
| 823.933 | -27.41 | -13 |
| 849.667 | -32.72 | -13 |

UMTS-FDD Band II (Part 24E)

| Frequency (MHz) | Emission (dBm) | Limit (dBm) |
|-----------------|----------------|-------------|
| 1849.917 | -28.25 | -13 |
| 1910.083 | -26.39 | -13 |

UMTS-FDD Band IV (Part 27)

| Frequency (MHz) | Emission (dBm) | Limit (dBm) |
|-----------------|----------------|-------------|
| 1709.950 | -31.84 | -13 |
| 1755.075 | -29.13 | -13 |

HSDPA:

UMTS-FDD Band V (Part 22H)

| Frequency (MHz) | Emission (dBm) | Limit (dBm) |
|-----------------|----------------|-------------|
| 824.833 | -26.81 | -13 |
| 849.683 | -32.10 | -13 |

UMTS-FDD Band II (Part 24E)

| Frequency (MHz) | Emission (dBm) | Limit (dBm) |
|-----------------|----------------|-------------|
| 1849.917 | -30.917 | -13 |
| 1910.083 | -26.39 | -13 |

UMTS-FDD Band IV (Part 27)

| Frequency (MHz) | Emission (dBm) | Limit (dBm) |
|-----------------|----------------|-------------|
| 1709.900 | -31.69 | -13 |
| 1755.100 | -30.41 | -13 |

HSUPA:

UMTS-FDD Band V (Part 22H)

| Frequency (MHz) | Emission (dBm) | Limit (dBm) |
|-----------------|----------------|-------------|
| 823.967 | -26.89 | -13 |
| 849.683 | -32.10 | -13 |

UMTS-FDD Band II (Part 24E)

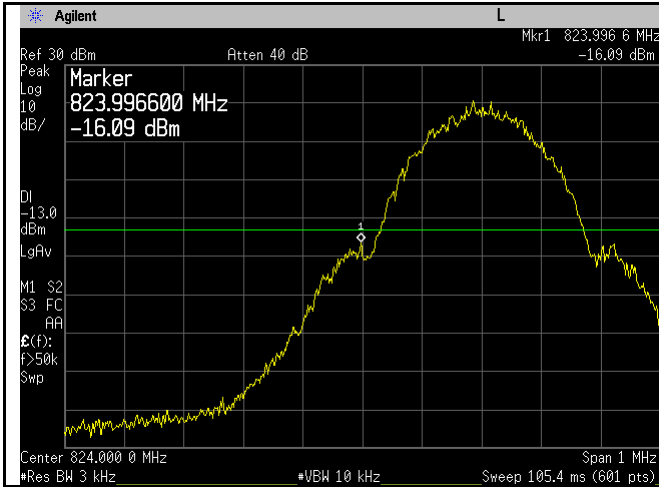
| Frequency (MHz) | Emission (dBm) | Limit (dBm) |
|-----------------|----------------|-------------|
| 1849.900 | -30.80 | -13 |
| 1910.100 | -26.47 | -13 |

UMTS-FDD Band IV (Part 27)

| Frequency (MHz) | Emission (dBm) | Limit (dBm) |
|-----------------|----------------|-------------|
| 1709.925 | -30.79 | -13 |
| 1755.075 | -29.23 | -13 |

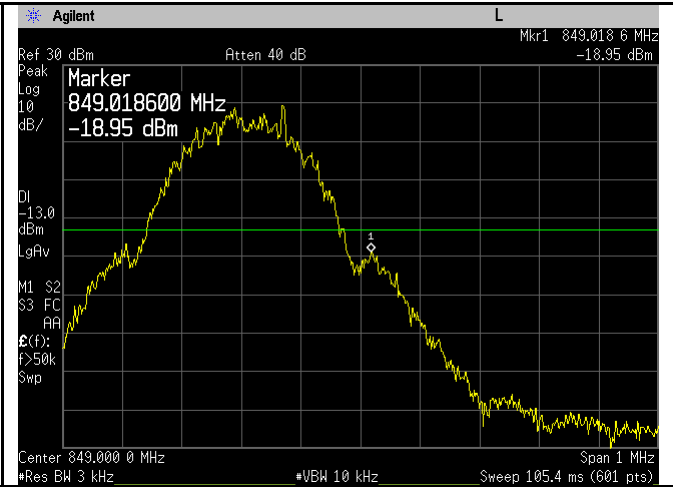
GSM Voice:

Test Plots



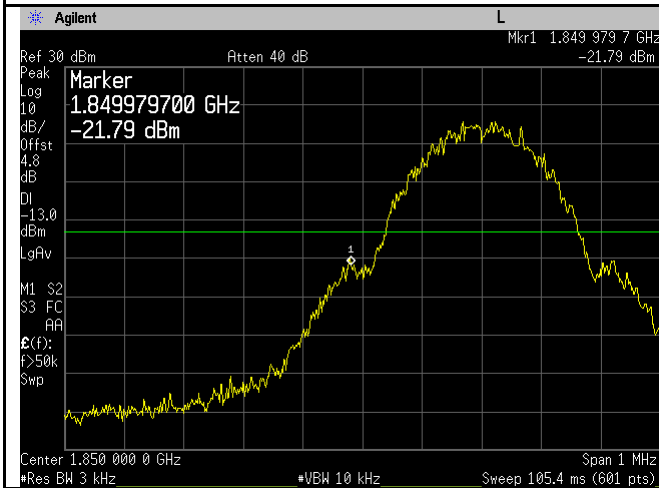
Cellular Band - Low Channel

Note: Offset=Cable loss (4.0) + 10log
(3.18/3)=4.0+0.3=4.3dB



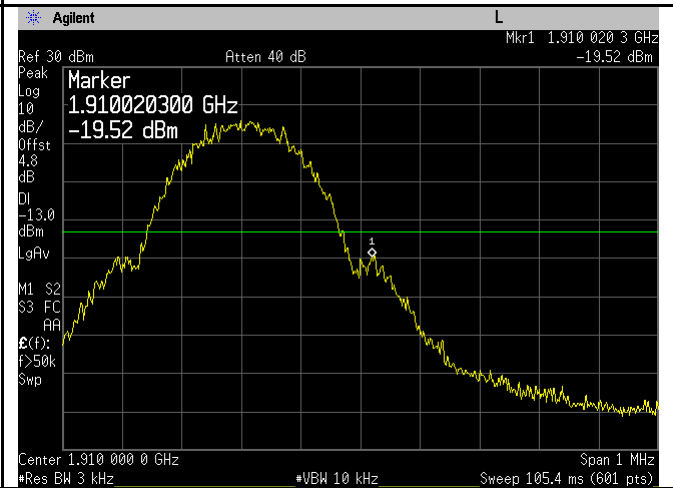
Cellular Band - High Channel

Note: Offset=Cable loss (4.0) + 10log
(3.18/3)=4.0+0.3=4.3dB



PCS Band - Low Channel

Note: Offset=Cable loss (4.0) + 10log
(3.17/3)=4.5+0.2=4.7dB

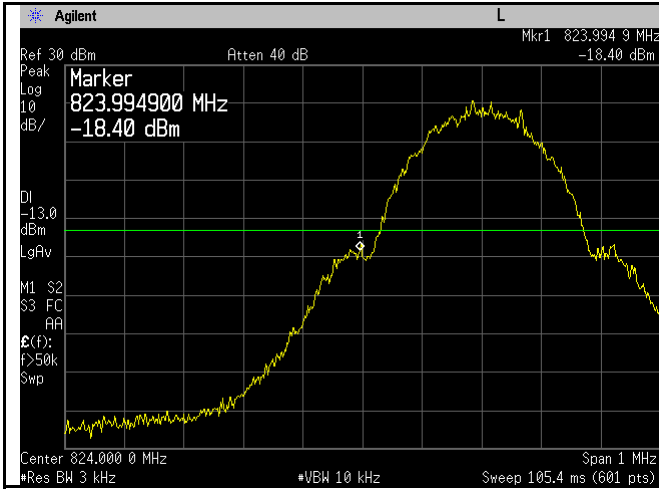


PCS Band - High Channel

Note: Offset=Cable loss (4.0) + 10log
(3.20/3)=4.5+0.2=4.7dB

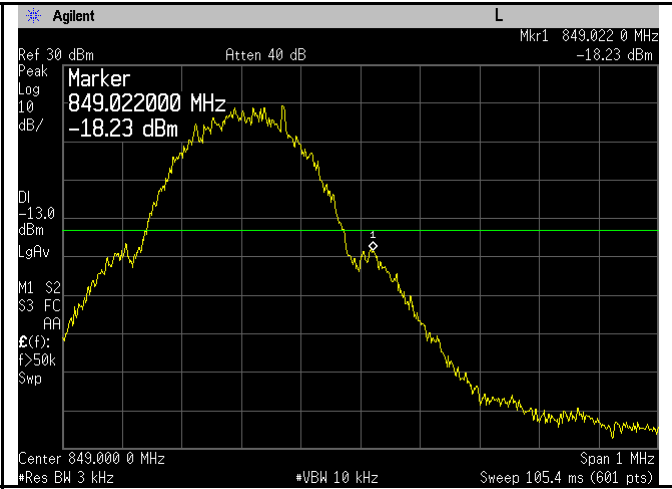
GPRS:

Test Plots



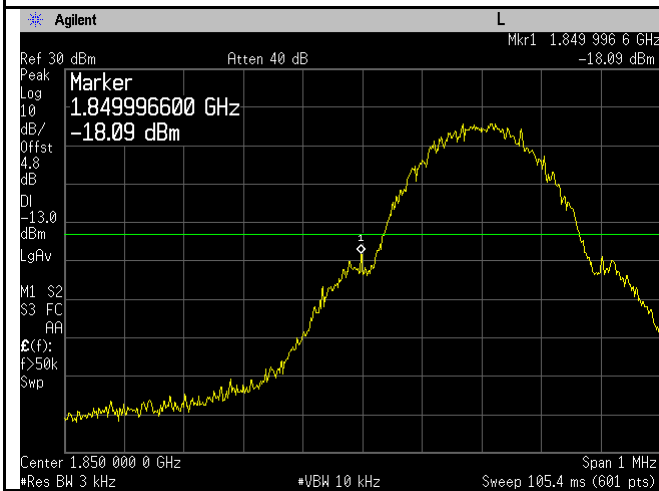
Cellular Band - Low Channel

Note: Offset=Cable loss (4.0) + 10log
(3.18/3)=4.0+0.3=4.3dB



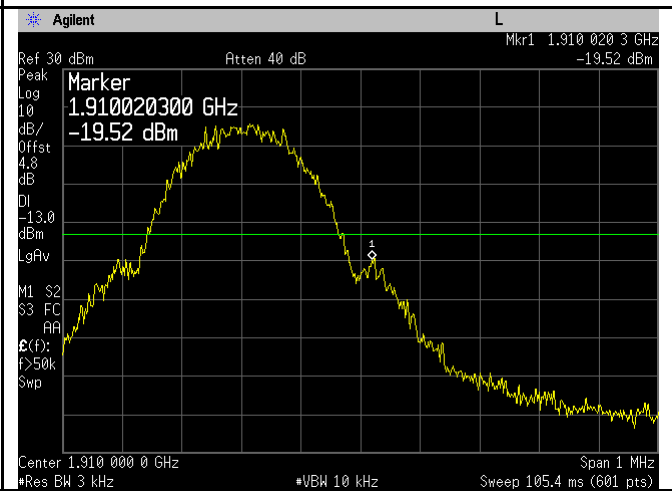
Cellular Band - High Channel

Note: Offset=Cable loss (4.0) + 10log
(3.18/3)=4.0+0.3=4.3dB



PCS Band - Low Channel

Note: Offset=Cable loss (4.5) + 10log
(3.21/3)=4.5+0.3=4.8dB

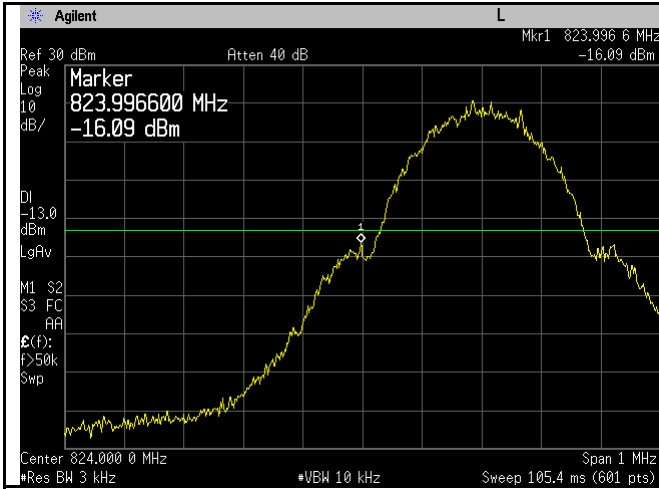


PCS Band - High Channel

Note: Offset=Cable loss (4.5) + 10log
(3.20/3)=4.5+0.3=4.8dB

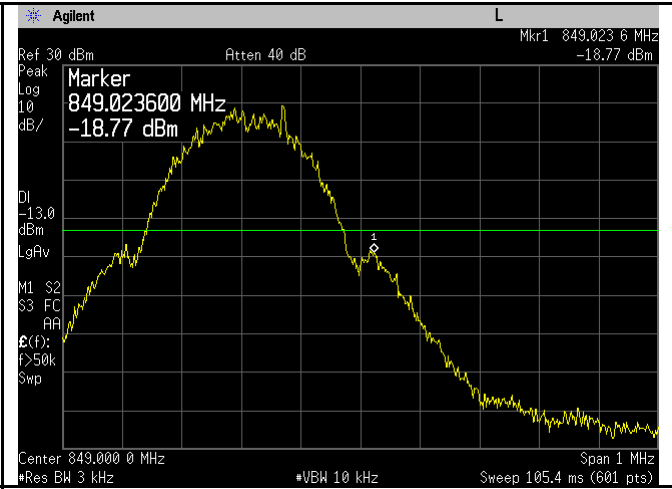
EGPRS (MCS1):

Test Plots



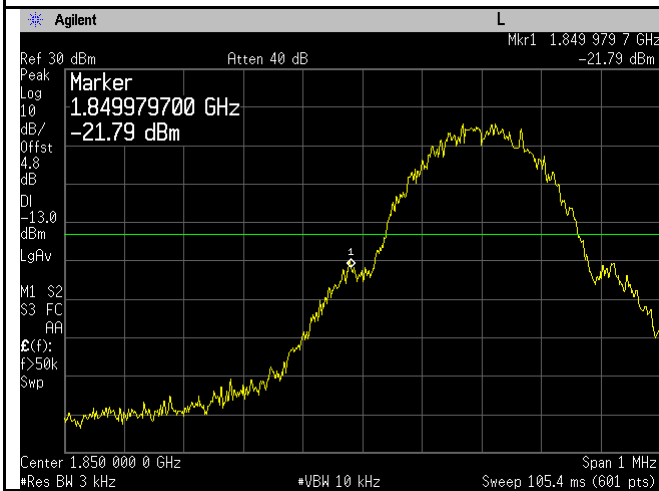
Cellular Band - Low Channel

Note: Offset=Cable loss (4.0) + 10log
(3.17/3)=4.0+0.2=4.2dB



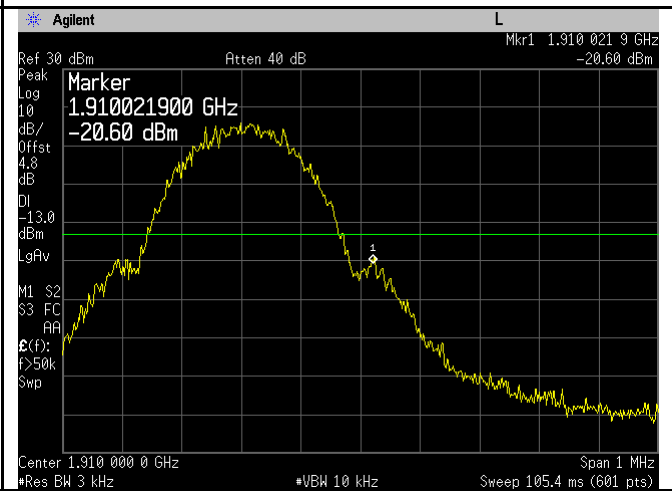
Cellular Band - High Channel

Note: Offset=Cable loss (4.0) + 10log
(3.18/3)=4.0+0.3=4.3dB



PCS Band - Low Channel

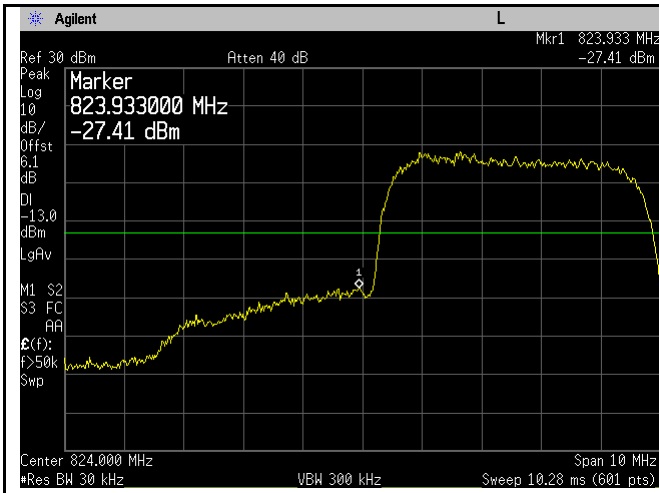
Note: Offset=Cable loss (4.5) + 10log
(3.17/3)=4.5+0.2=4.7dB



PCS Band - High Channel

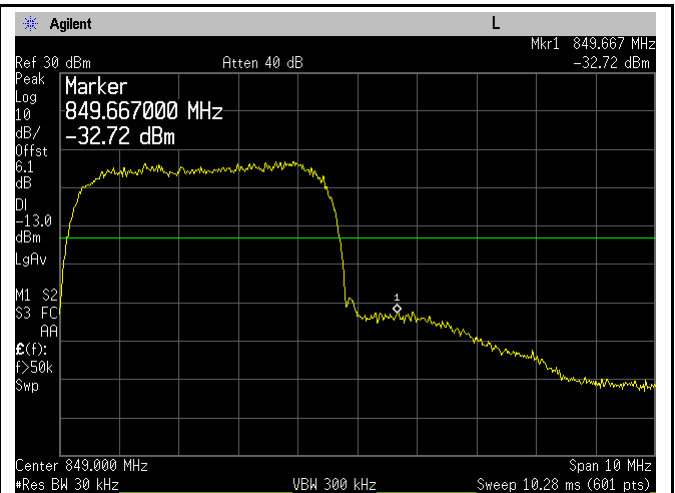
Note: Offset=Cable loss (4.5) + 10log
(3.20/3)=4.5+0.3=4.8dB

RMC:



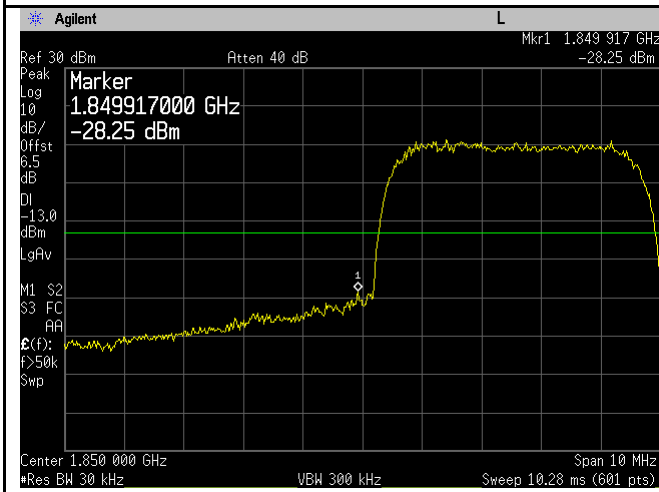
UMTS-FDD Band V - Low Channel

Note: Offset=Cable loss (4.0) + 10log
(46.86/30)=4.0+1.9=5.9 dB



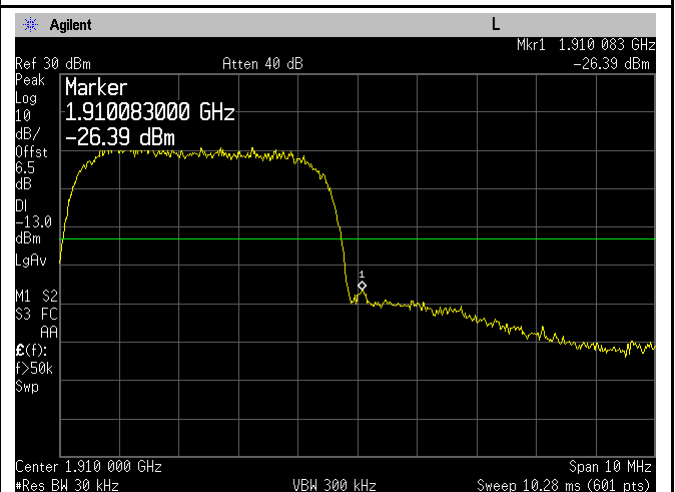
UMTS-FDD Band V - High Channel

Note: Offset=Cable loss (4.0) + 10log
(47.13/30)=4.0+2.0=6.0dB



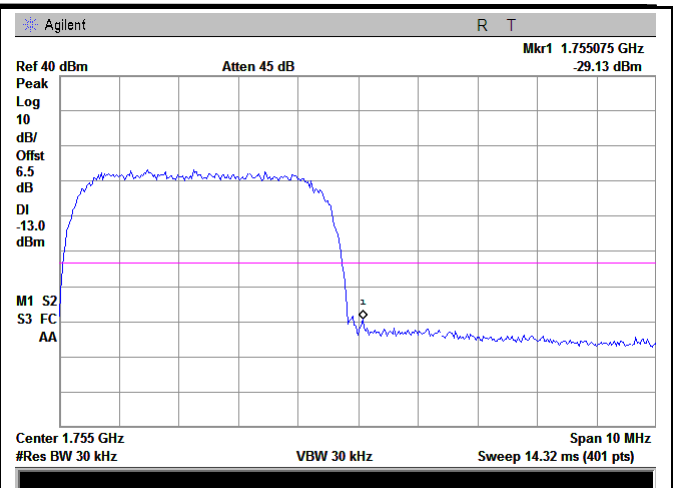
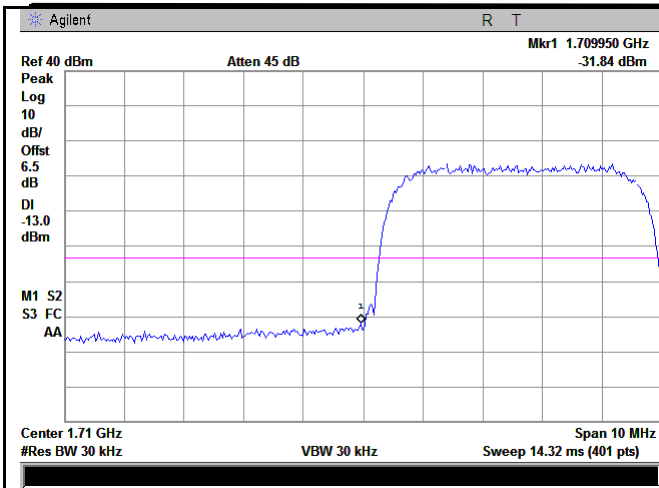
UMTS-FDD Band II - Low Channel

Note: Offset=Cable loss (4.5) + 10log
(47.00/30)=4.5+1.9=6.4 dB



UMTS-FDD Band II - High Channel

Note: Offset=Cable loss (4.5) + 10log
(47.47/30)=4.5+2.0=6.5 dB



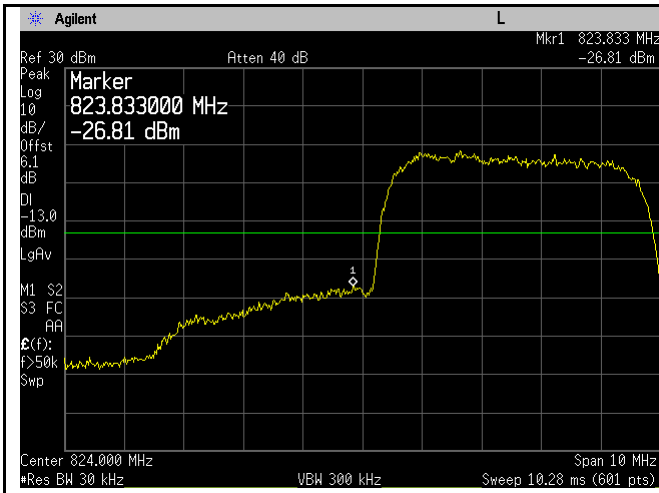
UMTS-FDD Band IV - Low Channel

UMTS-FDD Band IV - High Channel

Note: Offset=Cable loss (4.5) + 10log
(47.31/30)=4.5+2.0=6.5 dB

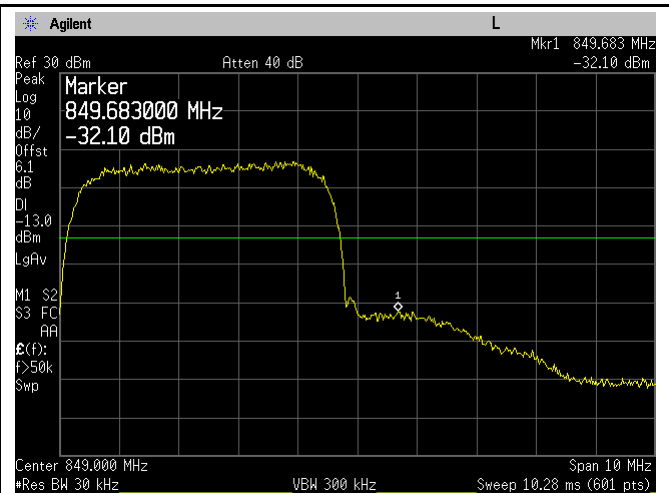
Note: Offset=Cable loss (4.0) + 10log
(47.18/30)=4.5+2.0=6.5 dB

HSDPA:



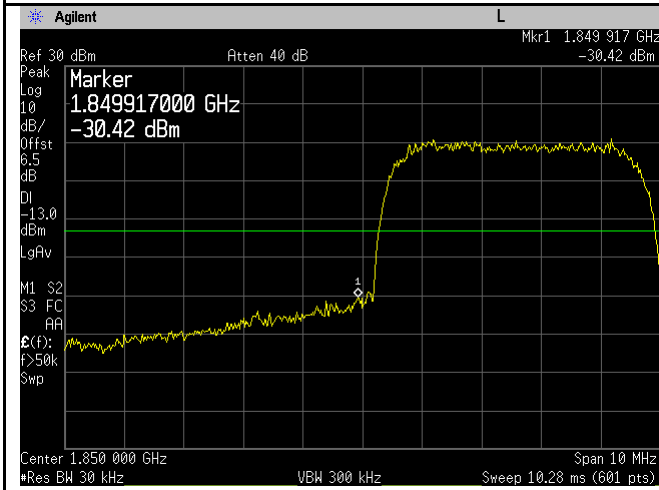
UMTS-FDD Band V - Low Channel

Note: Offset=Cable loss (4.0) + 10log
(46.76/30)=4.0+1.9=5.9dB



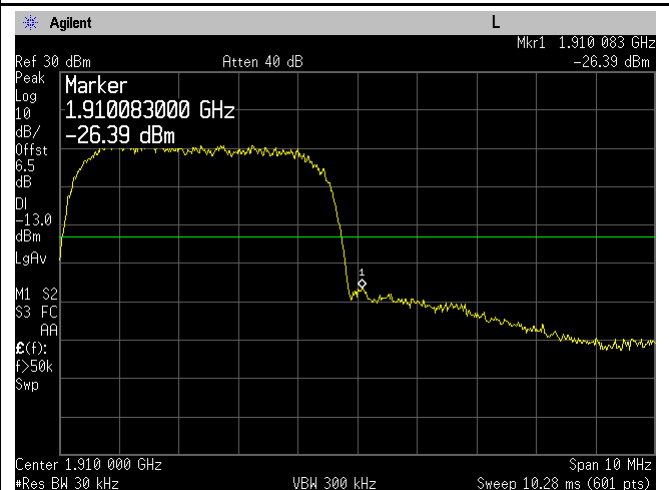
UMTS-FDD Band V - High Channel

Note: Offset=Cable loss (4.0) + 10log
(47.12/30)=4.0+2.0=6.0 dB



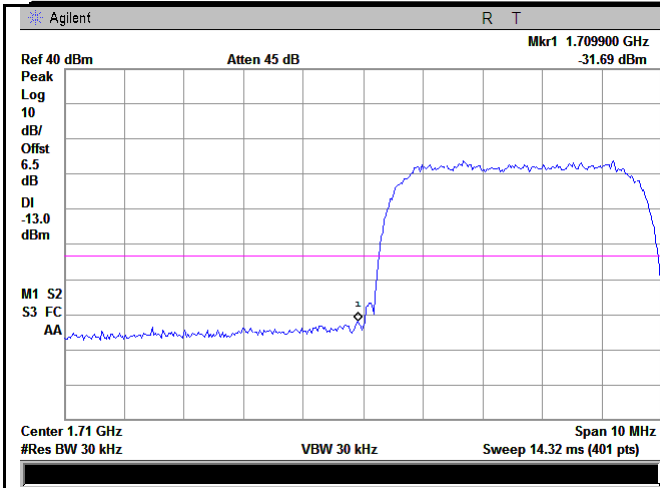
UMTS-FDD Band II - Low Channel

Note: Offset=Cable loss (4.5) + 10log
(46.86/30)=4.5+1.9=6.4dB



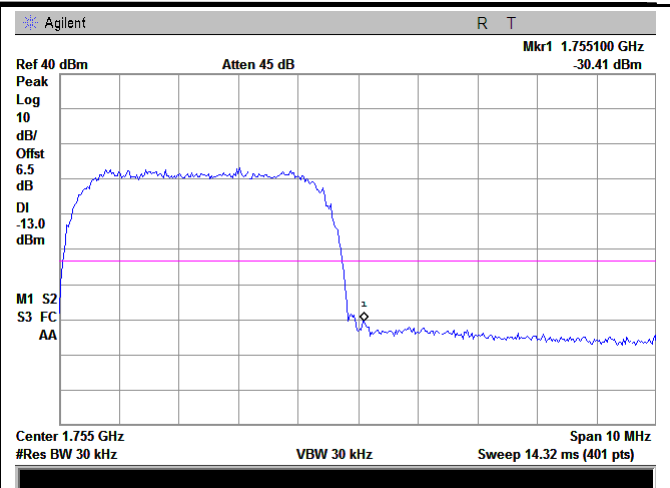
UMTS-FDD Band II - High Channel

Note: Offset=Cable loss (4.5) + 10log
(47.47/30)=4.5+2.0=6.5 dB



UMTS-FDD Band IV - Low Channel

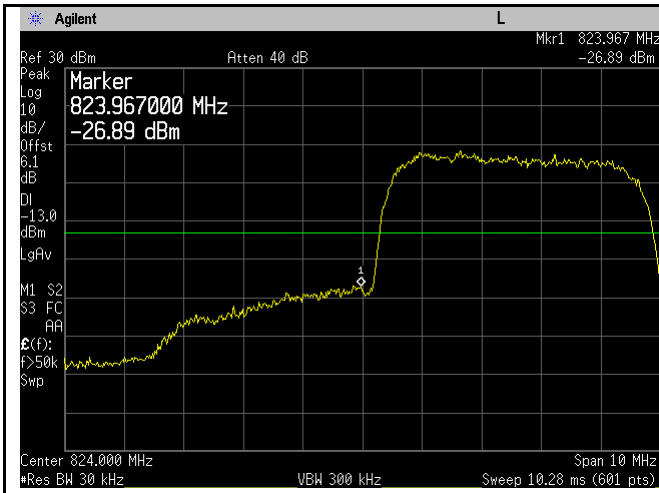
Note: Offset=Cable loss (4.5) + 10log
(47.17/30)=4.5+2.0=6.5 dB



UMTS-FDD Band IV - High Channel

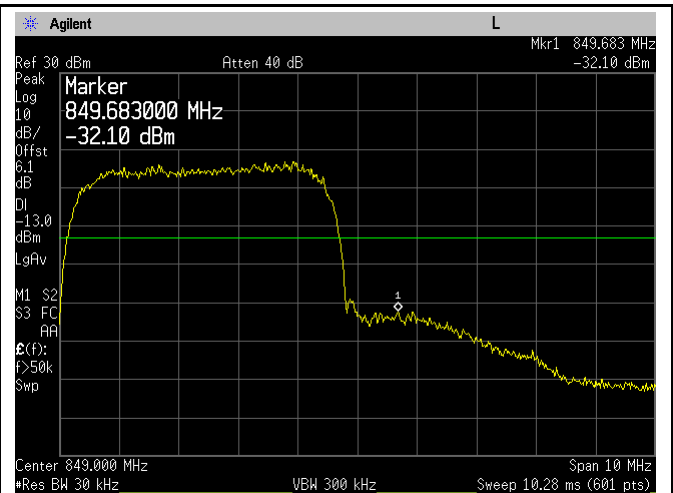
Note: Offset=Cable loss (4.0) + 10log
(47.21/30)=4.5+2.0=6.5 dB

HSUPA:



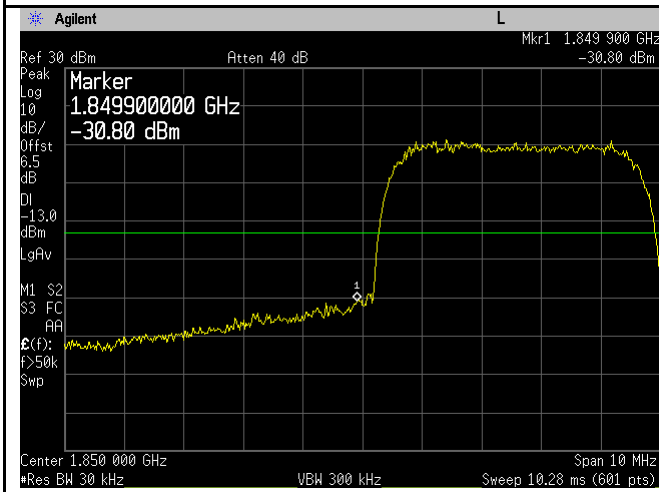
UMTS-FDD Band V - Low Channel

Note: Offset=Cable loss (4.0) + 10log
(46.86/30)=4.0+1.9=5.9 dB



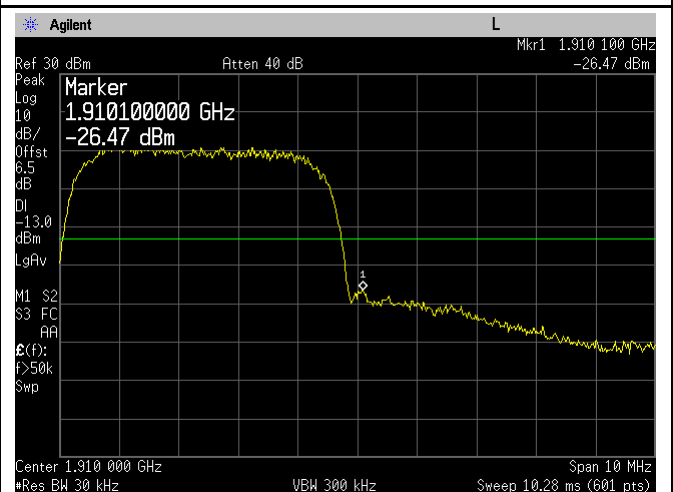
UMTS-FDD Band V - High Channel

Note: Offset=Cable loss (4.0) + 10log
(47.12/30)=4.0+2.0=6.0 dB



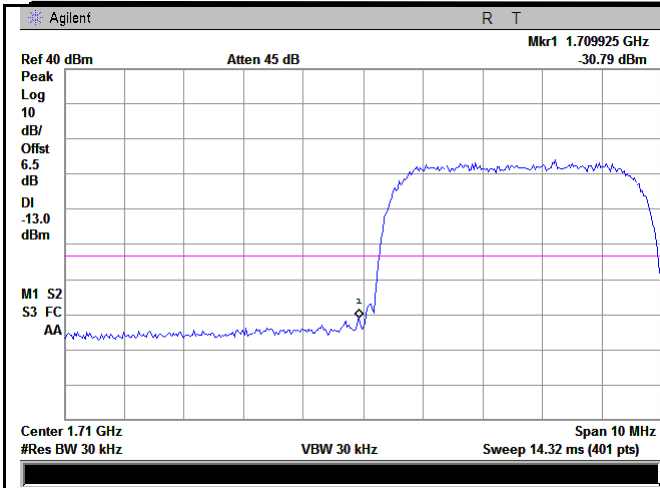
UMTS-FDD Band II - Low Channel

Note: Offset=Cable loss (4.5) + 10log
(47.03/30)=4.5+2.0=6.5dB



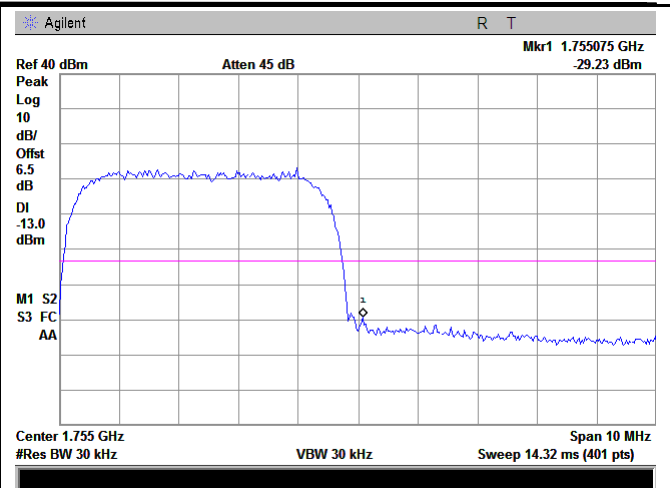
UMTS-FDD Band II - High Channel

Note: Offset=Cable loss (4.5) + 10log
(47.47/30)=4.5+2.1=6.6 dB



UMTS-FDD Band IV - Low Channel

Note: Offset=Cable loss (4.5) + 10log
(47.24/30)=4.5+2.0=6.5 dB



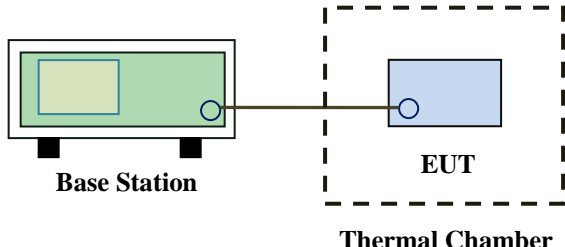
UMTS-FDD Band IV - High Channel

Note: Offset=Cable loss (4.0) + 10log
(47.25/30)=4.5+2.0=6.5 dB

6.8 Frequency Stability

| | |
|----------------------|-------------------|
| Temperature | 25°C |
| Relative Humidity | 57% |
| Atmospheric Pressure | 1023mbar |
| Test date : | December 27, 2017 |
| Tested By : | Aarron Liang |

Requirement(s):

| Spec | Item | Requirement | Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------|---|-------------------------------------|-----------------------|------------------------|------------------------|------------------------|----------|------|------|------|-----------|-----|-----|------|------------|-----|-----|------|------------|-----|-----|-----|-------------|-----|-----|-----|-------------|-----|-----|-----|--------------|------|-----|-----|
| §2.1055, §22.355 & §24.235 § 27.5(h); § 27.54 | a) | According to §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table below: Frequency Tolerance for Transmitters in the Public Mobile Services | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table border="1"> <thead> <tr> <th>Frequency Range (MHz)</th> <th>Base, fixed (ppm)</th> <th>Mobile ≤ 3 watts (ppm)</th> <th>Mobile ≤ 3 watts (ppm)</th> </tr> </thead> <tbody> <tr> <td>25 to 50</td> <td>20.0</td> <td>20.0</td> <td>50.0</td> </tr> <tr> <td>50 to 450</td> <td>5.0</td> <td>5.0</td> <td>50.0</td> </tr> <tr> <td>450 to 512</td> <td>2.5</td> <td>5.0</td> <td>10.0</td> </tr> <tr> <td>821 to 896</td> <td>1.5</td> <td>2.5</td> <td>2.5</td> </tr> <tr> <td>928 to 929.</td> <td>5.0</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>929 to 960.</td> <td>1.5</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>2110 to 2220</td> <td>10.0</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table> | | Frequency Range (MHz) | Base, fixed (ppm) | Mobile ≤ 3 watts (ppm) | Mobile ≤ 3 watts (ppm) | 25 to 50 | 20.0 | 20.0 | 50.0 | 50 to 450 | 5.0 | 5.0 | 50.0 | 450 to 512 | 2.5 | 5.0 | 10.0 | 821 to 896 | 1.5 | 2.5 | 2.5 | 928 to 929. | 5.0 | N/A | N/A | 929 to 960. | 1.5 | N/A | N/A | 2110 to 2220 | 10.0 | N/A | N/A |
| | | Frequency Range (MHz) | | Base, fixed (ppm) | Mobile ≤ 3 watts (ppm) | Mobile ≤ 3 watts (ppm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 25 to 50 | | 20.0 | 20.0 | 50.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 50 to 450 | | 5.0 | 5.0 | 50.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 450 to 512 | | 2.5 | 5.0 | 10.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 821 to 896 | | 1.5 | 2.5 | 2.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 928 to 929. | | 5.0 | N/A | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 929 to 960. | 1.5 | N/A | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2110 to 2220 | 10.0 | N/A | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| According to §24.235, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized frequency block. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p style="text-align: center;"> Base Station EUT Thermal Chamber </p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|-------------|-----------------|
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| | |
|-----------|---|
| Procedure | <p>A communication link was established between EUT and base station. The frequency error was monitored and measured by base station under variation of ambient temperature and variation of primary supply voltage.</p> <p>Limit: The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.</p> |
| Remark | |
| Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |

Test Data Yes N/A

Test Plot Yes (See below) N/A

GSM Voice:

Cellular Band (Part 22H) result

| Middle Channel, $f_0 = 836.6$ MHz | | | | |
|-----------------------------------|-----------------------------------|----------------------|-----------------------|-------------|
| Temperature (°C) | Power Supplied (V _{DC}) | Frequency Error (Hz) | Frequency Error (ppm) | Limit (ppm) |
| -10 | 3.7 | 18 | 0.0215 | 2.5 |
| 0 | | 15 | 0.0179 | 2.5 |
| 10 | | 15 | 0.0179 | 2.5 |
| 20 | | 15 | 0.0179 | 2.5 |
| 30 | | 15 | 0.0179 | 2.5 |
| 40 | | 16 | 0.0191 | 2.5 |
| 50 | | 22 | 0.0263 | 2.5 |
| 55 | | 19 | 0.0227 | 2.5 |
| 25 | 4.2 | 18 | 0.0215 | 2.5 |
| | 3.2 | 16 | 0.0191 | 2.5 |

PCS Band (Part 24E) result

| Middle Channel, $f_0 = 1880$ MHz | | | | |
|----------------------------------|-----------------------------------|----------------------|-----------------------|-------------|
| Temperature (°C) | Power Supplied (V _{DC}) | Frequency Error (Hz) | Frequency Error (ppm) | Limit (ppm) |
| -10 | 3.7 | 18 | 0.0096 | 2.5 |
| 0 | | 14 | 0.0074 | 2.5 |
| 10 | | 14 | 0.0074 | 2.5 |
| 20 | | 17 | 0.0090 | 2.5 |
| 30 | | 15 | 0.0080 | 2.5 |
| 40 | | 13 | 0.0069 | 2.5 |
| 50 | | 21 | 0.0112 | 2.5 |
| 55 | | 17 | 0.0090 | 2.5 |
| 25 | 4.2 | 19 | 0.0101 | 2.5 |
| | 3.2 | 19 | 0.0101 | 2.5 |

RMC:

UMTS-FDD Band V (Part 22H)

| Middle Channel, $f_0 = 835$ MHz | | | | |
|---------------------------------|-----------------------------------|----------------------|-----------------------|-------------|
| Temperature (°C) | Power Supplied (V _{DC}) | Frequency Error (Hz) | Frequency Error (ppm) | Limit (ppm) |
| -10 | 3.7 | 21 | 0.0251 | 2.5 |
| 0 | | 14 | 0.0168 | 2.5 |
| 10 | | 14 | 0.0168 | 2.5 |
| 20 | | 16 | 0.0192 | 2.5 |
| 30 | | 13 | 0.0156 | 2.5 |
| 40 | | 17 | 0.0204 | 2.5 |
| 50 | | 22 | 0.0263 | 2.5 |
| 55 | | 17 | 0.0204 | 2.5 |
| 25 | 4.2 | 19 | 0.0228 | 2.5 |
| | 3.2 | 17 | 0.0204 | 2.5 |

UMTS-FDD Band II (Part 24E)

| Middle Channel, $f_0 = 1880$ MHz | | | | |
|----------------------------------|-----------------------------------|----------------------|-----------------------|-------------|
| Temperature (°C) | Power Supplied (V _{DC}) | Frequency Error (Hz) | Frequency Error (ppm) | Limit (ppm) |
| -10 | 3.7 | 22 | 0.0117 | 2.5 |
| 0 | | 17 | 0.0090 | 2.5 |
| 10 | | 16 | 0.0085 | 2.5 |
| 20 | | 13 | 0.0069 | 2.5 |
| 30 | | 14 | 0.0074 | 2.5 |
| 40 | | 16 | 0.0085 | 2.5 |
| 50 | | 22 | 0.0117 | 2.5 |
| 55 | | 19 | 0.0101 | 2.5 |
| 25 | 4.2 | 19 | 0.0101 | 2.5 |
| | 3.2 | 19 | 0.0101 | 2.5 |

UMTS-FDD Band IV (Part 27)

| Middle Channel, $f_0 = 1733$ MHz | | | | |
|----------------------------------|-----------------------------------|----------------------|-----------------------|-------------|
| Temperature (°C) | Power Supplied (V _{DC}) | Frequency Error (Hz) | Frequency Error (ppm) | Limit (ppm) |
| -10 | 3.85 | 18 | 0.0228 | 2.5 |
| 0 | | 17 | 0.0204 | 2.5 |
| 10 | | 16 | 0.0180 | 2.5 |
| 20 | | 15 | 0.0156 | 2.5 |
| 30 | | 16 | 0.0156 | 2.5 |
| 40 | | 15 | 0.0180 | 2.5 |
| 50 | | 19 | 0.0263 | 2.5 |
| 55 | | 18 | 0.0228 | 2.5 |
| 25 | | 4.4 | 18 | 0.0240 |
| | 3.6 | 20 | 0.0192 | 2.5 |

Annex A. TEST INSTRUMENT

| Instrument | Model | Serial # | Cal Date | Cal Due | In use |
|--|-------------------|------------|------------|------------|-------------------------------------|
| RF Conducted Test | | | | | |
| Agilent ESA-E SERIES SPECTRUM ANALYZER | E4407B | MY45108319 | 09/14/2017 | 09/13/2018 | <input checked="" type="checkbox"/> |
| Power Splitter | 1# | 1# | 08/30/2017 | 08/29/2018 | <input checked="" type="checkbox"/> |
| Universal Radio Communication Tester | CMU200 | 121393 | 09/23/2017 | 09/22/2018 | <input checked="" type="checkbox"/> |
| Temperature/Humidity Chamber | UHL-270 | 001 | 10/07/2017 | 10/06/2018 | <input checked="" type="checkbox"/> |
| DC Power Supply | E3640A | MY40004013 | 09/15/2017 | 09/14/2018 | <input checked="" type="checkbox"/> |
| RF Power Sensor | Dare RPR3006C/P/W | AY554013 | 09/15/2017 | 09/14/2018 | <input checked="" type="checkbox"/> |
| Radiated Emissions | | | | | |
| EMI test receiver | ESL6 | 100262 | 09/15/2017 | 09/14/2018 | <input checked="" type="checkbox"/> |
| OPT 010 AMPLIFIER (0.1-1300MHz) | 8447E | 2727A02430 | 08/30/2017 | 08/29/2018 | <input checked="" type="checkbox"/> |
| Horn Antenna | BBHA9170 | 3145226D1 | 09/27/2017 | 09/26/2018 | <input checked="" type="checkbox"/> |
| Microwave Preamplifier (1 ~ 26.5GHz) | 8449B | 3008A02402 | 03/23/2017 | 03/22/2018 | <input checked="" type="checkbox"/> |
| Bilog Antenna (30MHz~6GHz) | JB6 | A110712 | 09/19/2017 | 09/18/2018 | <input checked="" type="checkbox"/> |
| Bilog Antenna (30MHz~2GHz) | JB1 | A112017 | 09/19/2017 | 09/18/2018 | <input checked="" type="checkbox"/> |
| Double Ridge Horn Antenna (1 ~18GHz) | AH-118 | 71259 | 09/22/2017 | 09/21/2018 | <input checked="" type="checkbox"/> |
| Double Ridge Horn Antenna (1 ~18GHz) | AH-118 | 71283 | 09/22/2017 | 09/21/2018 | <input checked="" type="checkbox"/> |
| SYNTHESIZED SIGNAL GENERATOR | 8665B | 3744A01293 | 09/15/2017 | 09/14/2018 | <input checked="" type="checkbox"/> |
| Power Amplifier | SMC150D | R1553-0313 | 03/08/2017 | 03/07/2018 | <input checked="" type="checkbox"/> |
| Power Amplifier | S41-25D | R1553-0314 | 05/26/2017 | 05/25/2018 | <input checked="" type="checkbox"/> |

| | |
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| | | | | | |
|----------------------|-----------------|------|------------|------------|-------------------------------------|
| Tunable Notch Filter | 3NF-800/1000-S | AA4 | 08/30/2017 | 08/29/2018 | <input checked="" type="checkbox"/> |
| Tunable Notch Filter | 3NF-1000/2000-S | AM 4 | 08/30/2017 | 08/29/2018 | <input checked="" type="checkbox"/> |

| | |
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Annex B. EUT And Test Setup Photographs

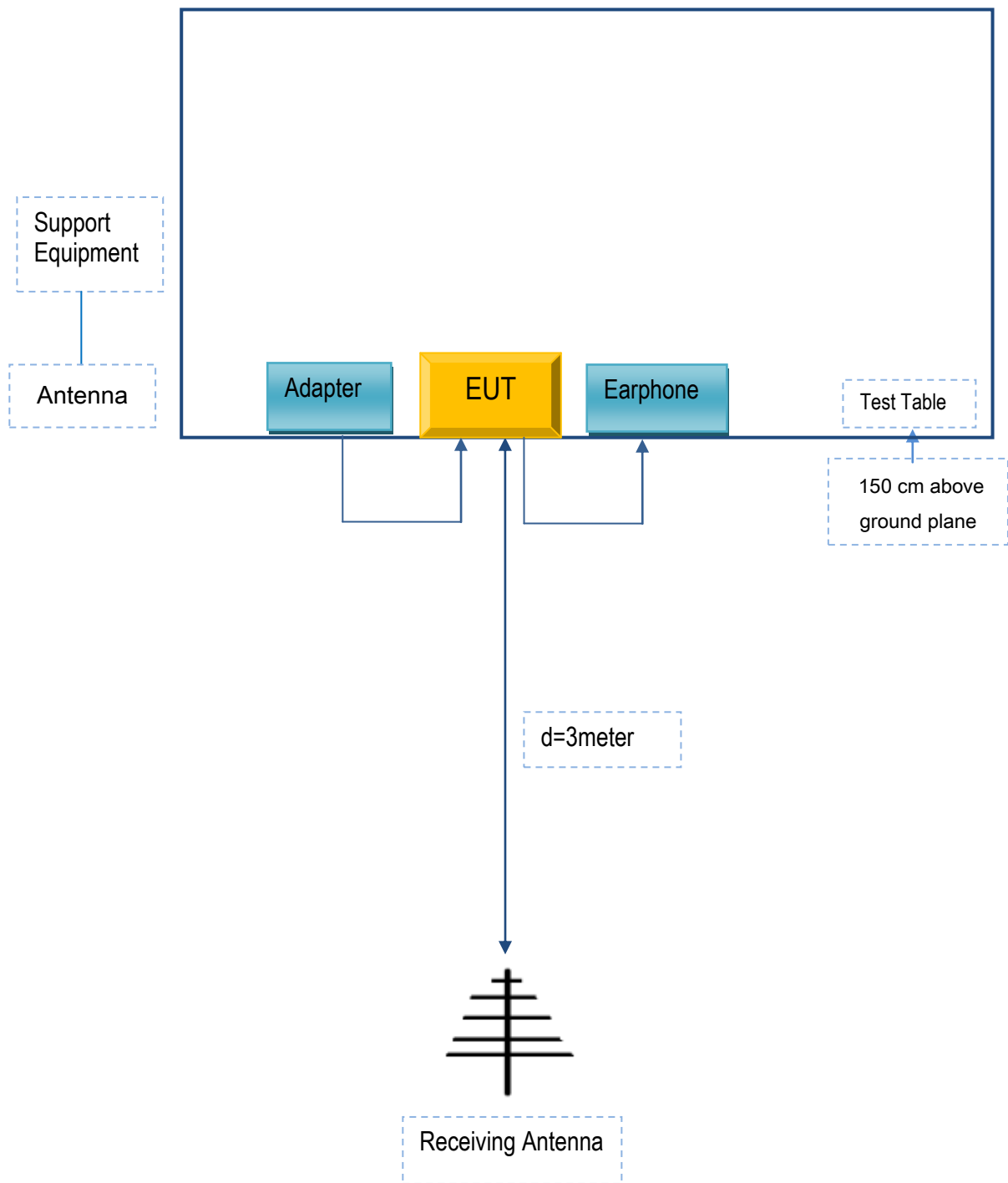
| | |
|-------------|-----------------|
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Annex B.iii. Photograph: Test Setup Photo

Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.ii. TEST SET UP BLOCK

Block Configuration Diagram for Radiated Emissions



Annex C. ii. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

Supporting Equipment:

| Manufacturer | Equipment Description | Model | Serial No |
|-------------------------|-----------------------|--------|-----------|
| SMT TELECOMM HK LIMITED | Adapter | PCX500 | N/A |
| N/A | Earphone | N/A | N/A |

Supporting Cable:

| Cable type | Shield Type | Ferrite Core | Length | Serial No |
|------------|--------------|--------------|--------|-----------|
| USB Cable | Un-shielding | No | 0.8m | N/A |

Annex C.ii. EUT OPERATING CONKITIONS

N/A

| | |
|-------------|-----------------|
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Annex D. User Manual / Block Diagram / Schematics / Partlist

Please see the attachment

| | |
|-------------|-----------------|
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Annex E. DECLARATION OF SIMILARITY

N/A