

Test Report

FCC ID. : 2AMKU-DK66

Date of issue: Jun. 16, 2017

| | |
|---------------------|---|
| Report Number: | MTi170710E072 |
| Sample Description: | Rugged Smartphone |
| Model(s): | DK66, DK66plus, DK6x series (X is arabic number), WF68 |
| Applicant: | Shenzhen Gomtel Science & Technology Co., Ltd. |
| Address: | 5th Floor, Sector B, Fuhua Technology Building No.9116 Beihuan Road, Nanshan, Shenzhen, China. |
| Date of Test: | May. 26, 2017 to Jun. 16, 2017 |

Shenzhen Microtest Co., Ltd.
<http://www.mtitest.com>

| TEST RESULT CERTIFICATION | |
|--------------------------------------|--|
| Applicant's name | Shenzhen Gomtel Science & Technology Co., Ltd. |
| Address | 5th Floor, Sector B, Fuhua Technology Building No.9116 Beihuan Road, Nanshan, Shenzhen, China. |
| Manufacture's Name | Shenzhen Gomtel Science & Technology Co., Ltd. |
| Address | 5th Floor, Sector B, Fuhua Technology Building No.9116 Beihuan Road, Nanshan, Shenzhen, China. |
| Product description | |
| Product name | Rugged Smartphone |
| Model and/or type reference : | DK66 |
| Serial Model | DK66plus, DK6x series (X is arabic number), WF68 |
| Standards | FCC Part27 |
| Test procedure | ANSI C63.4-2014 |

Tested by:

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Jun. 16, 2017

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Jun. 16, 2017

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Jun. 16, 2017

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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

| Description of Test Item | Standard | Results |
|---|---|---------|
| Conducted Output power&EIRP | FCC PART 2: 2.1046 FCC PART 27.50(c) | PASS |
| Occupied bandwidth | No Limit | PASS |
| Frequency stability | FCC PART 2: 2.1055 FCC PART 27.53(g) | PASS |
| Conducted spurious emission (Antenna terminal) | FCC PART 2: 2.1051 FCC PART 27.50(g) | PASS |
| Radiated spurious emissions | FCC PART 2: 2.1051 FCC PART 27.50(g) | PASS |
| Band edge compliance | FCC PART 2: 2.1051 FCC PART 27.50(g) | PASS |

NOTE:

(1) "N/A" denotes test is not applicable in this Test Report

1.1 TEST FACILITY

Shenzhen Toby Technology Co., Ltd.

Add.: 10/F.,A Block, Jiada R&D Bldg., No.5 Songpingshan, Road, Science&Technology Park,
Shenzhen, 518057

FCC Registration No.:811562

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95** %.

| No. | Item | Uncertainty |
|-----|-------------------------------|---------------------------|
| 1 | Conducted Emission Test | $\pm 1.38\text{dB}$ |
| 2 | RF power, conducted | $\pm 0.16\text{dB}$ |
| 3 | Spurious emissions, conducted | $\pm 0.21\text{dB}$ |
| 4 | All emissions, radiated(<1G) | $\pm 4.68\text{dB}$ |
| 5 | All emissions, radiated(>1G) | $\pm 4.89\text{dB}$ |
| 6 | Temperature | $\pm 0.5^{\circ}\text{C}$ |
| 7 | Humidity | $\pm 2\%$ |

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

| | | |
|--|--|--|
| Equipment | Rugged Smartphone | |
| Trade Name | DuraMobi | |
| Model Name | DK66 | |
| Serial Model | DK66plus, DK6x series (X is arabic number), WF68 | |
| Model Difference | N/A | |
| Product Description | The EUT is a Rugged Smartphone | |
| | Operation Frequency: | LTE B17(TX: 704-716MHz/RX: 734-746MHz) |
| | Modulation Type: | QPSK, 16QAM |
| | Antenna Designation: | Please see Note 3. |
| | Output Power(Conducted): | 23.58dBm |
| | Antenna Gain (dBi) | -1.12dbi |
| Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual. | | |
| Channel List | Please refer to the Note 2. | |
| Adapter | Model: UT-133E-5200Z | |
| | Input: AC100-240~ 50/60Hz 0.3A Max | |
| | Output: DC 5V 2A | |
| Battery | DC 3.8V by rechargeable Li-polymer battery | |
| Connecting I/O Port(s) | Please refer to the User's Manual | |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2. Table for Filed Antenna

| Ant | Brand | Model Name | Antenna Type | Connector | Gain (dBi) | NOTE |
|-----|-------|------------|--------------------|-----------|------------|-------------|
| A | N/A | N/A | Integrated antenna | / | -1.12 | LTE Antenna |

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

| Pretest Mode | Description |
|--------------|---------------|
| Mode 1 | LTE B17 QPSK |
| Mode 2 | LTE B17 16QAM |
| Mode 3 | Link Mode |

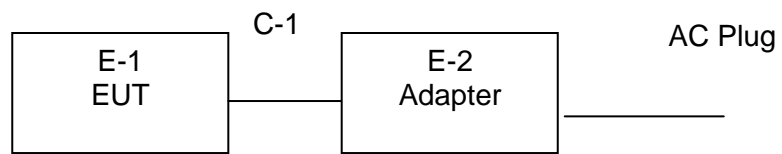
| For Conducted Emission | |
|------------------------|-------------|
| Final Test Mode | Description |
| Mode 3 | Link Mode |

| For Radiated Emission | |
|-----------------------|-------------|
| Final Test Mode | Description |
| Mode 3 | LTE B17 |

Note:

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment | Brand | Model/Type No. | Series No. | Note |
|------|-------------------|----------|-----------------|------------|------|
| E-1 | Rugged Smartphone | DuraMobi | DK66 | N/A | EUT |
| E-2 | Adapter | N/A | UT-133E- 5200ZY | N/A | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| Item | Shielded Type | Ferrite Core | Length | Note |
|------|---------------|--------------|--------|------|
| C-1 | NO | NO | 1.0m | |
| C-2 | NO | NO | 0.8m | |
| | | | | |
| | | | | |
| | | | | |

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

For RF conducted test:

| Equipment | Manufacturer | Model | Serial No. | Calibration Due |
|--|---------------|-----------|------------|-----------------|
| Signal Analyzer | Agilent | N9010A | MY48030494 | 2017/11/4 |
| 4 Ch. Simultaneous Sampling 14 Bits 2 MS/s | Agilent | U2531A | TW54063513 | 2017/11/4 |
| X-series USB Peak and Average Power Sensor | Agilent | U2021XA | MY54080019 | 2017/11/4 |
| vector Signal Generator | Agilent | E4438C | US44271917 | 2017/11/4 |
| vector Signal Generator | Agilent | E4438C | MY49070163 | 2017/11/4 |
| Dc Power Supply | GW | GPR-6030D | / | 2017/11/4 |
| Temperature & Humidity Chamber | GIANT FORCE | GTH-056P | GF-94454-1 | 2017/11/4 |
| Wideband Radio Communication Tester | ROHDE&SCHWARZ | CMW500 | 120909 | 2017/11/4 |

For Radiated test:

| Equipment | Manufacturer | Model | Serial No. | Calibration Due |
|--------------------------|--------------|-------------|------------|-----------------|
| Broadband TRILOG Antenna | Schwarabeck | VULB9163 | 9163-872 | 2017/11/14 |
| Horn Antenna | Schwarzbeck | BBHA 9120 D | 9120D-1145 | 2017/11/14 |
| Amplifier | HP | 8447D | 3113A06150 | 2017/11/4 |
| Amplifier | Agilent | 8449B | 3008A02400 | 2018/7/4 |
| Test Receiver | Schwarabeck | ESPI7 | 100314 | 2017/11/4 |
| Spectrum analyzer | Agilent | E4407B | MY41441082 | 2017/11/4 |
| Signal Generator | R&S | SMT 06 | 832080/007 | 2017/11/4 |

Note: the calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

3. CONDUCTED OUTPUT POWER&EIRP

3.1 APPLIED PROCEDURES / LIMIT

| Section | Test Item | Limit | Result |
|-----------|------------------------|------------------------|--------|
| 27.50(c)) | Conducted Output power | 33dBm(ERP) for LTE B17 | PASS |

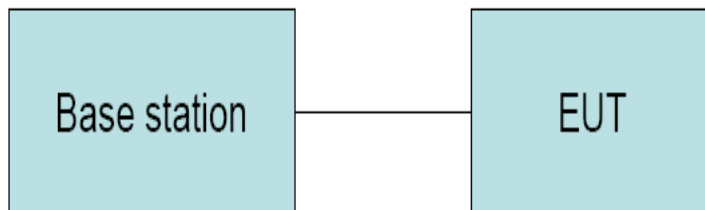
3.1.1 TEST PROCEDURE

- (1) The EUT's RF output port was connected to base station.
- (2) A call is set up by the SS according to the generic call set up procedure
- (3) Set EUT at maximum power level through base station by power level command
- (4) Measure the maximum output power of EUT at each frequency band and mode by base station.

3.1.2 DEVIATION FROM STANDARD

No deviation.

3.1.3 TEST SETUP



3.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

3.1.5 TEST RESULTS

| | | | |
|---------------|-------------------|---------------------|-------------------|
| EUT : | Rugged Smartphone | Model Name : | DK66 |
| Temperature : | 25 °C | Relative Humidity : | 60% |
| Pressure : | 1012 hPa | Test Voltage : | DC 5Vfrom adapter |
| Test Mode : | LTE B17 | | |

| Conducted Output Power | | | | | | |
|--|---------|-----------|-------|-------------|-------------|--------------|
| BW(MHz) | RB Size | RB offset | Mode | Channel | | |
| | | | | Lowest(dBm) | Middle(dBm) | Highest(dBm) |
| 5 | 1 | 0 | QPSK | 23.58 | 23.49 | 23.57 |
| | 1 | 0 | 16QAM | 23.57 | 23.55 | 23.55 |
| 10 | 1 | 0 | QPSK | 23.48 | 23.53 | 23.49 |
| | 1 | 0 | 16QAM | 23.47 | 23.49 | 23.54 |
| Limit | 33dBm | | | | | |
| Note: all modes of RB configurations have been tested, and only worst configuration data listed. | | | | | | |

| Conducted Output Power and EIRP | | | | | | |
|---|---------|-----------|-------|-------------|-------------|--------------|
| BW(MHz) | RB Size | RB offset | Mode | Channel | | |
| | | | | Lowest(dBm) | Middle(dBm) | Highest(dBm) |
| 5 | 1 | 0 | QPSK | 22.46 | 22.37 | 22.45 |
| | 1 | 0 | 16QAM | 22.45 | 22.43 | 22.43 |
| 10 | 1 | 0 | QPSK | 22.36 | 22.41 | 22.37 |
| | 1 | 0 | 16QAM | 22.35 | 22.37 | 22.42 |
| Limit | 33dBm | | | | | |
| Note1: all modes of RB configurations have been tested, and only worst configuration data listed. | | | | | | |
| Note2: EIRP=Conducted Output Power + Gain, where Gain=-1.12dBi | | | | | | |

4. OCCUPY BANDWIDTH

4.1 APPLIED PROCEDURES / LIMIT

| Section | Test Item | Limit | Result |
|---------|--------------------|-------|--------|
| 2.1049 | Occupied bandwidth | / | PASS |

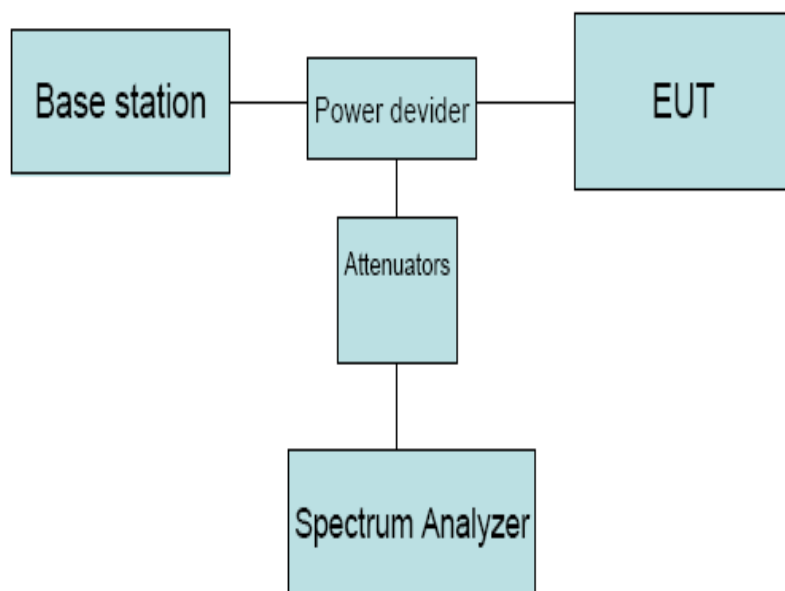
4.1.1 TEST PROCEDURE

1. The EUT' RF output port was connected to Spectrum Analyzer and Base Station via power divider.
2. Spectrum analyzer's occupied bandwidth measure function was used to measure 99% bandwidth and -26dBc bandwidth

4.1.2 DEVIATION FROM STANDARD

No deviation.

4.1.3 TEST SETUP



4.1.4 EUT OPERATION CONDITIONS

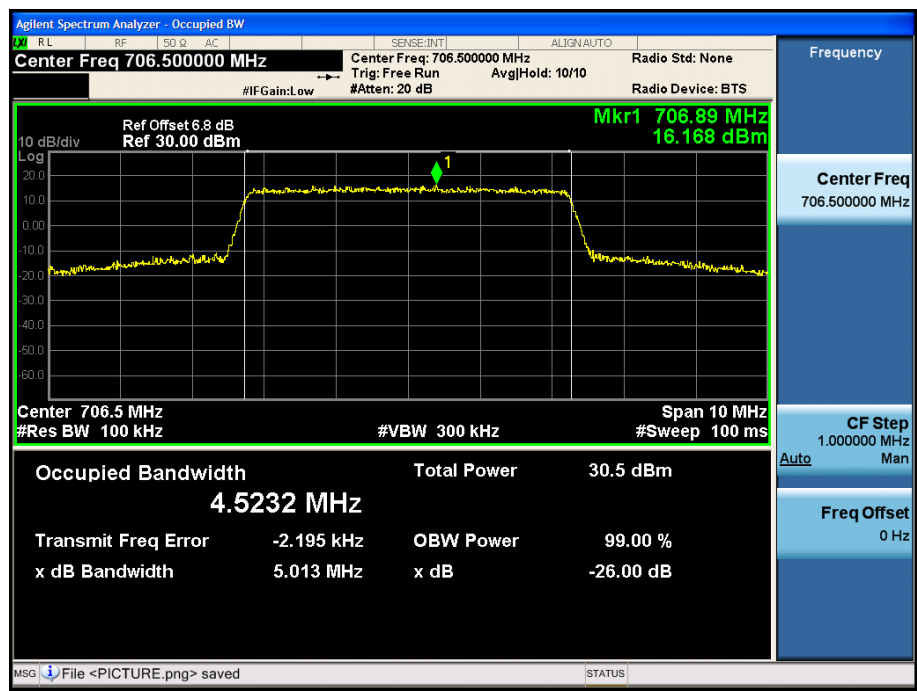
The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

4.1.5 TEST RESULTS

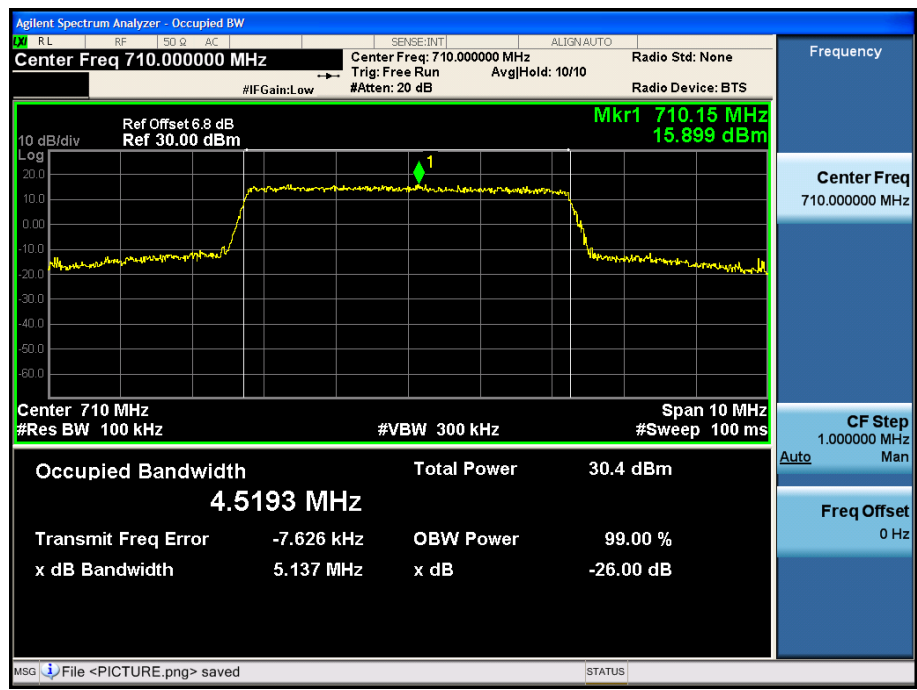
| | | | |
|---------------|-------------------|---------------------|-------------------|
| EUT : | Rugged Smartphone | Model Name : | DK66 |
| Temperature : | 25 °C | Relative Humidity : | 60% |
| Pressure : | 1015 hPa | Test Voltage : | DC 5Vfrom adapter |
| Test Mode : | LTE B17 | | |

| 99% Bandwidth | | | | | | |
|--|---------|-----------|-------|-------------|-------------|--------------|
| BW(MHz) | RB Size | RB offset | Mode | Channel | | |
| | | | | Lowest(MHz) | Middle(MHz) | Highest(MHz) |
| 5 | 1 | 0 | QPSK | 4.52 | 4.51 | 4.51 |
| | 1 | 0 | 16QAM | 4.52 | 4.52 | 4.52 |
| 10 | 1 | 0 | QPSK | 9.00 | 9.00 | 9.00 |
| | 1 | 0 | 16QAM | 9.01 | 9.00 | 9.01 |
| Limit | N/A | | | | | |
| Note: all modes of RB configurations have been tested, and only worst configuration data listed. | | | | | | |
| Note2: All modes have been tested, and only worst data of 16QAM mode data shown. | | | | | | |

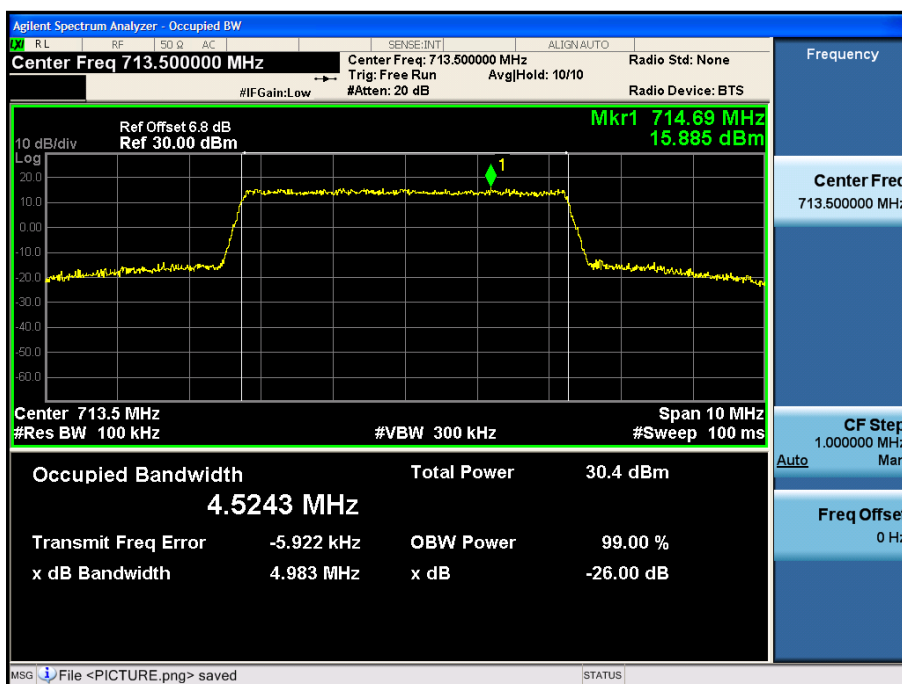
LTE B17 Lowest 5MHz



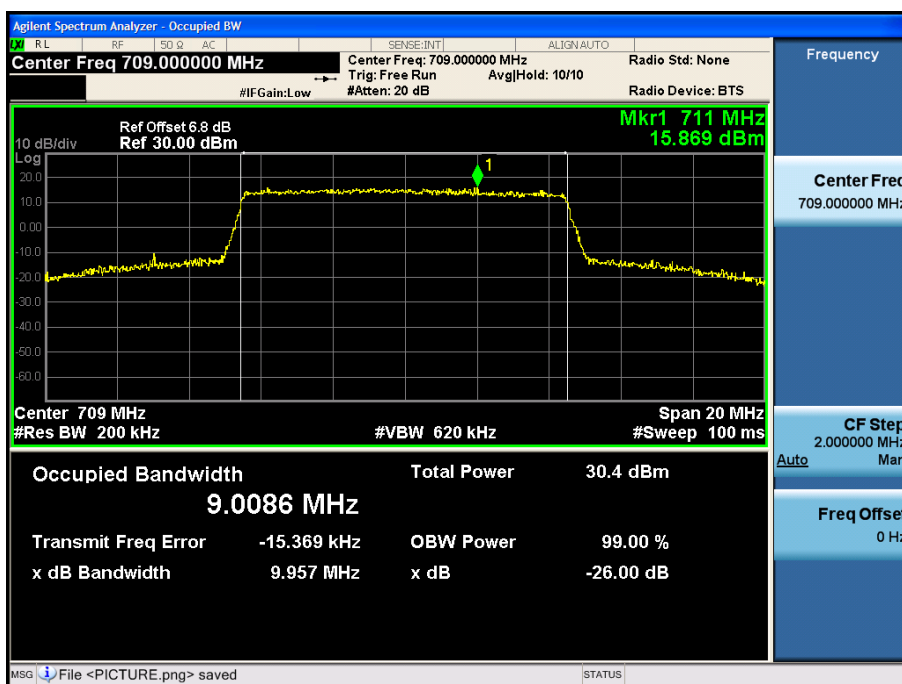
LTE B17 Middle 5MHz



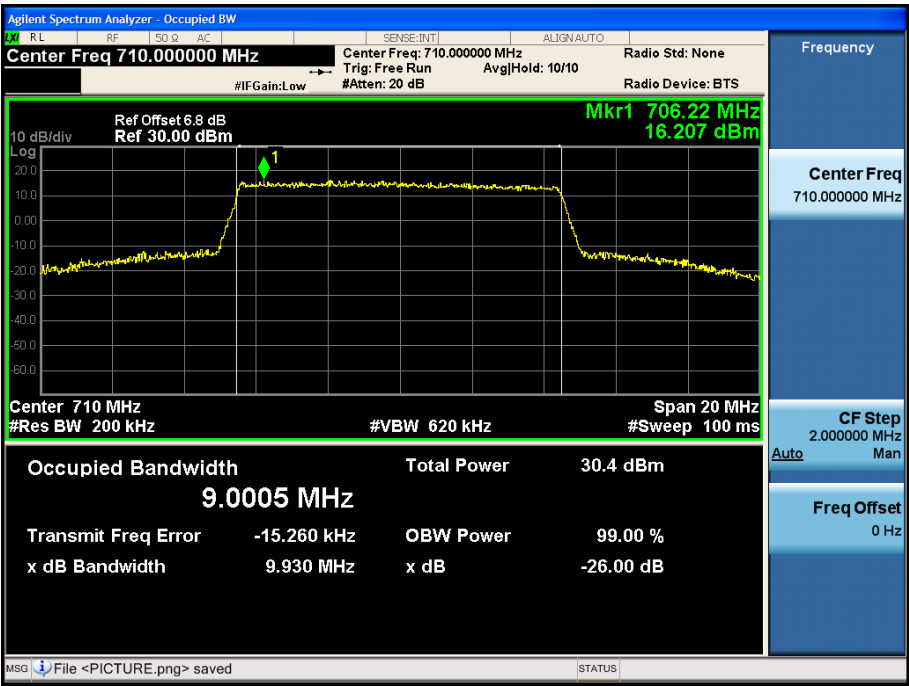
LTE B17 Highest 5MHz



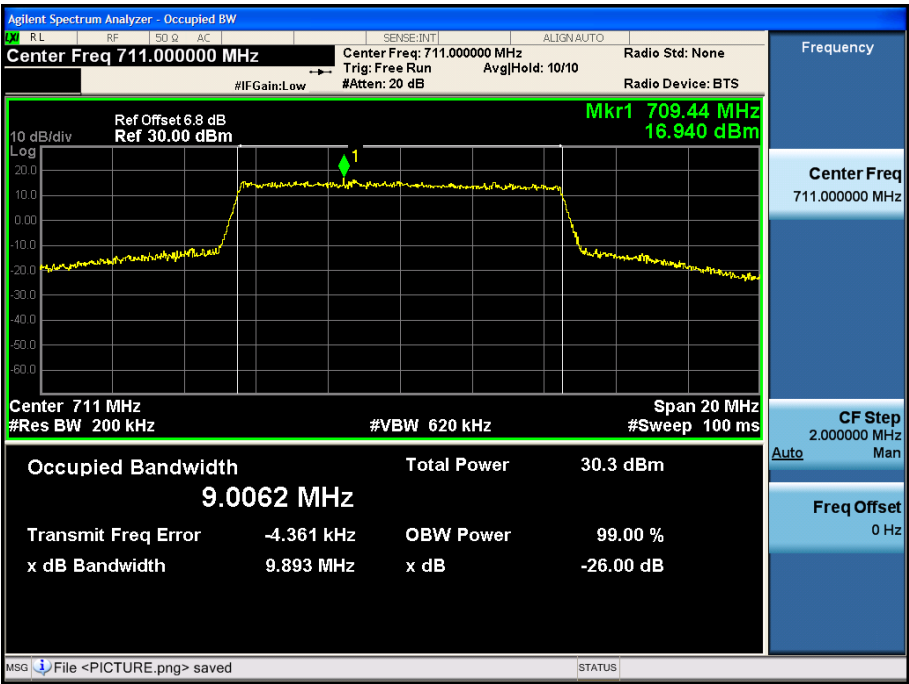
LTE B17 Lowest 10MHz



LTE B17 Middle 10MHz



LTE B17 Highest 10MHz



5. FREQUENCY STABILITY

5.1 APPLIED PROCEDURES / LIMIT

| Section | Test Item | Limit | Result |
|----------|---------------------|---------------|--------|
| 27.53(g) | Frequency stability | ± 2.5 ppm | PASS |

5.1.1 TEST PROCEDURE

Test Procedures for Temperature Variation:

1. The EUT was set up in the thermal chamber and connected with the base station.
2. With power OFF, the temperature was decreased to -10°C and the EUT was stabilized for three hours. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 45°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.
4. If the EUT can not be turned on at -10°C, the testing lowest temperature will be raised in 10°C step until the EUT can be turned on.

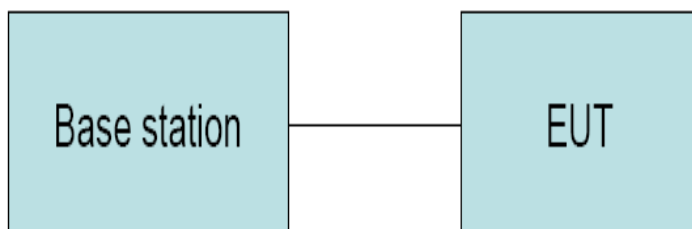
Test Procedures for Voltage Variation

1. The EUT was placed in a temperature chamber at 25±5° C and connected with the base station.
2. The power supply voltage to the EUT was varied from DC 5V to 3.5V
3. The variation in frequency was measured for the worst case.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 TEST RESULTS

| | | | |
|---------------|-------------------|---------------------|-------------------|
| EUT : | Rugged Smartphone | Model Name : | DK66 |
| Temperature : | 25 °C | Relative Humidity : | 60% |
| Pressure : | 1015 hPa | Test Voltage : | DC 5Vfrom adapter |
| Test Mode : | LTE B17 | | |

| Test Conditions | | (QPSK) / Middle Channel(1420MHz) | | Limit |
|---------------------|-------------------|----------------------------------|-----------------|--------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | | Note |
| | | Deviation (Hz) | Deviation (ppm) | Result |
| 50°C | Normal Voltage | 12 | 0.0085 | PASS |
| 30°C | Normal Voltage | 16 | 0.0113 | |
| 20°C | Normal Voltage | 13 | 0.0092 | |
| 10°C | Normal Voltage | -9 | -0.0063 | |
| 0°C | Normal Voltage | -15 | -0.0106 | |
| -10°C | Normal Voltage | 16 | 0.0113 | |
| -20°C | Normal Voltage | 11 | 0.0077 | |
| -30°C | Normal Voltage | 16 | 0.0113 | |
| 25°C | Maximum Voltage | -12 | -0.0085 | |
| 25°C | Normal Voltage | -16 | -0.0113 | |
| 25°C | Minimum Voltage | -13 | -0.0092 | |

6. CONDUCTED SPURIOUS EMISSIONS

6.1 APPLIED PROCEDURES / LIMIT

| Section | Test Item | Limit | Result |
|----------|------------------------------|--------|--------|
| 27.53(g) | Conducted spurious emissions | -13dBm | PASS |

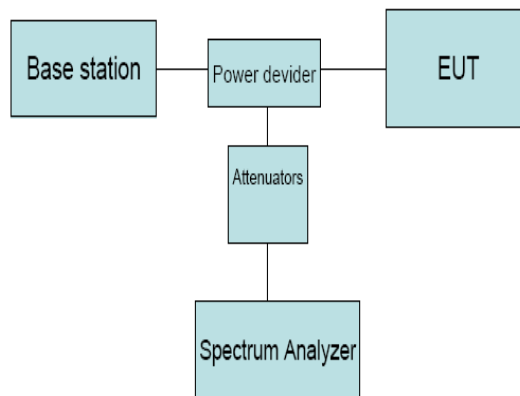
6.1.1 TEST PROCEDURE

1. The EUT was connected to spectrum analyzer and base station via power divider.
2. The low, middle and high channels of each band and mode's spurious emissions for 30MHz to 10th Harmonic were measured by Spectrum analyzer.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



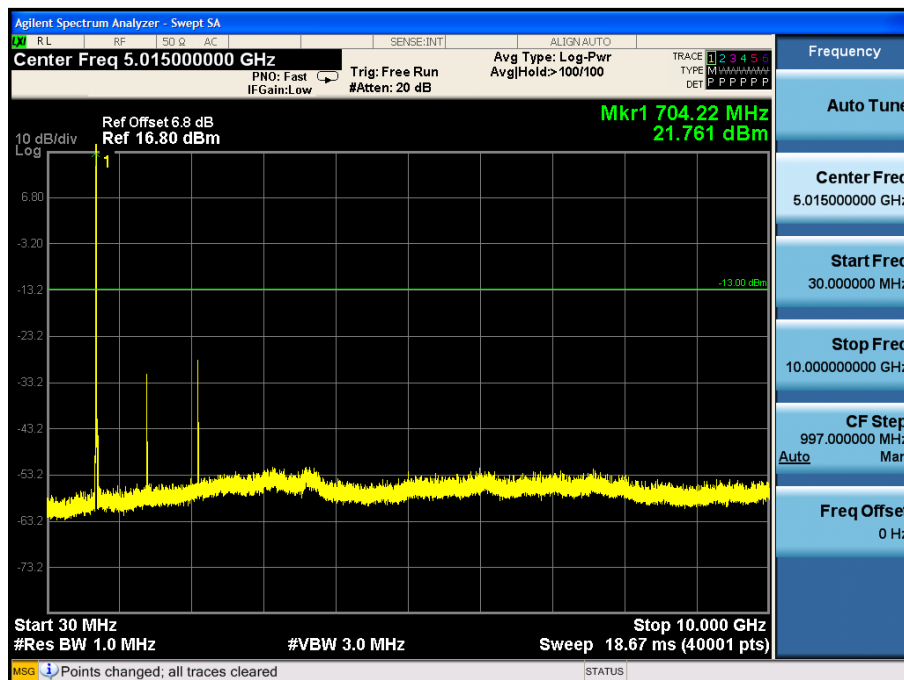
6.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

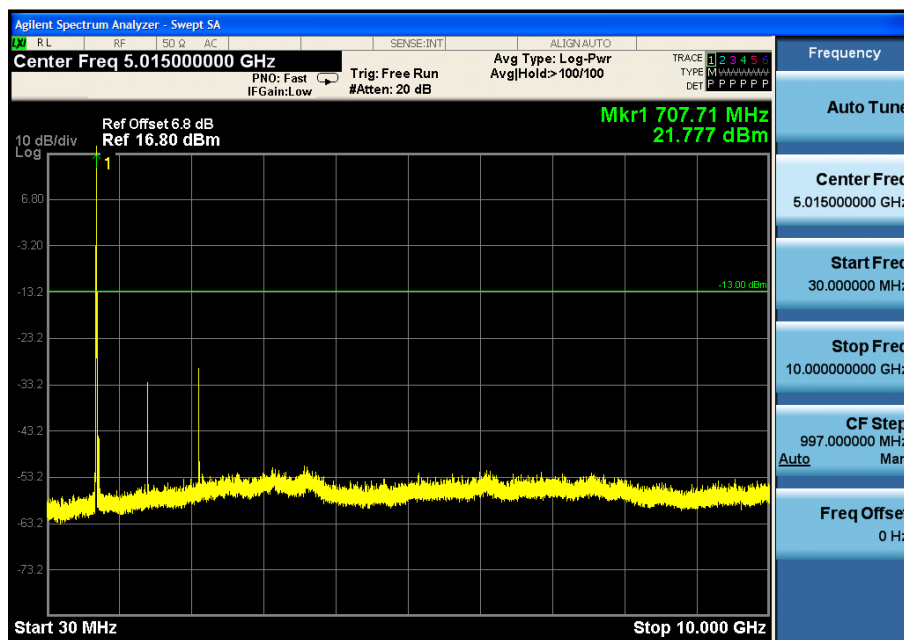
6.1.5 TEST RESULTS

NOTE: ALL MODE HAS BEEN TESTED, ONLY WORST DATA SHOWN IN THIS REPORT.

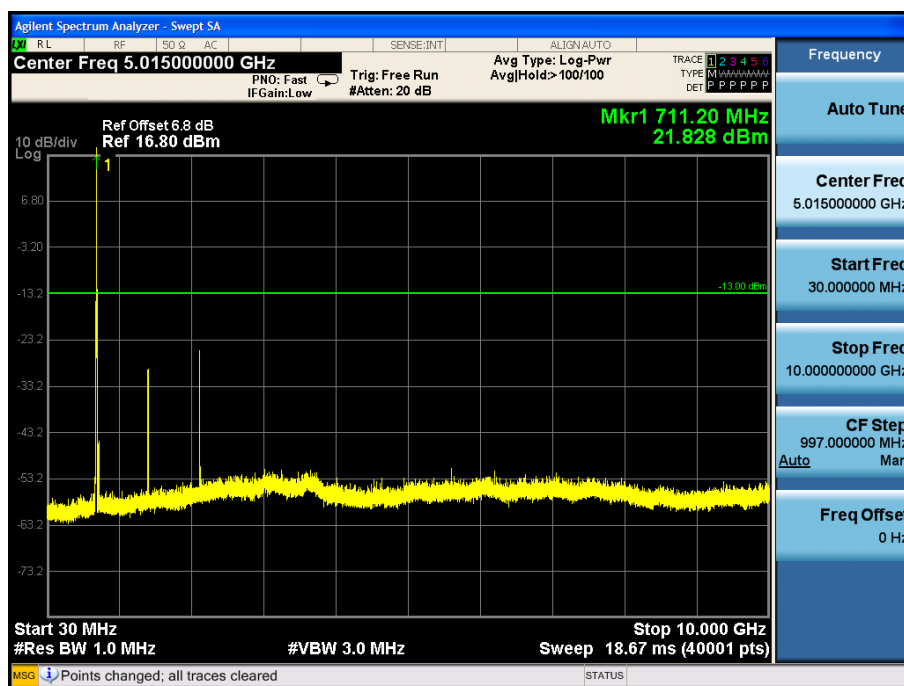
Lowest 5MHz QPSK



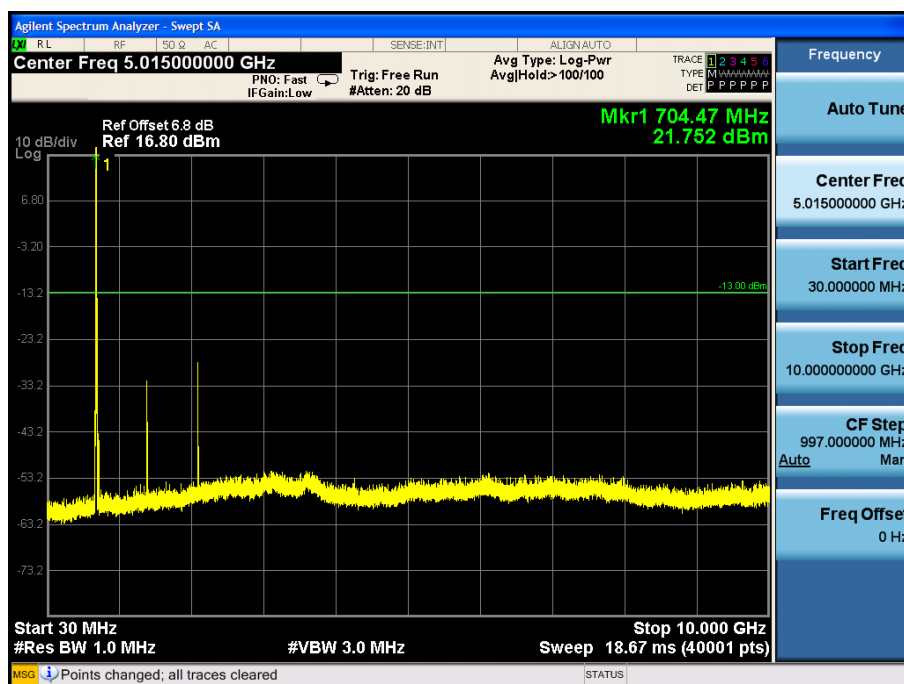
Middle 5MHz QPSK



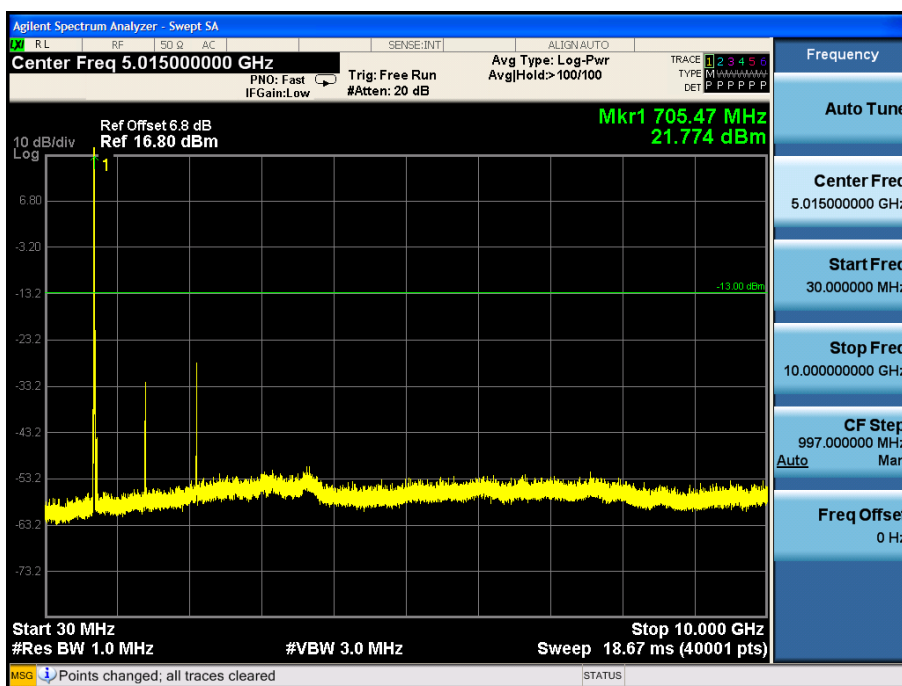
Highest 5MHz QPSK



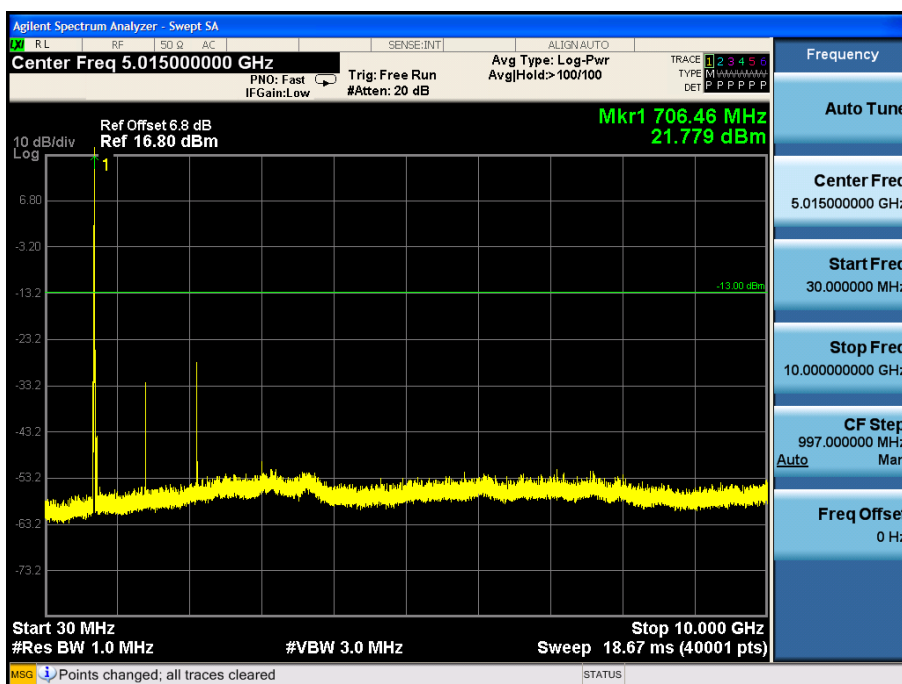
Lowest 10 MHz QPSK



Middle 10 MHz QPSK



Highest 10 MHz QPSK



7. RADIATED SPURIOUS EMISSIONS

7.1 APPLIED PROCEDURES / LIMIT

| Section | Test Item | Limit | Result |
|----------|-----------------------------|--------|--------|
| 27.53(g) | Radiated Spurious emissions | -13dBm | PASS |

7.1.1 TEST PROCEDURE

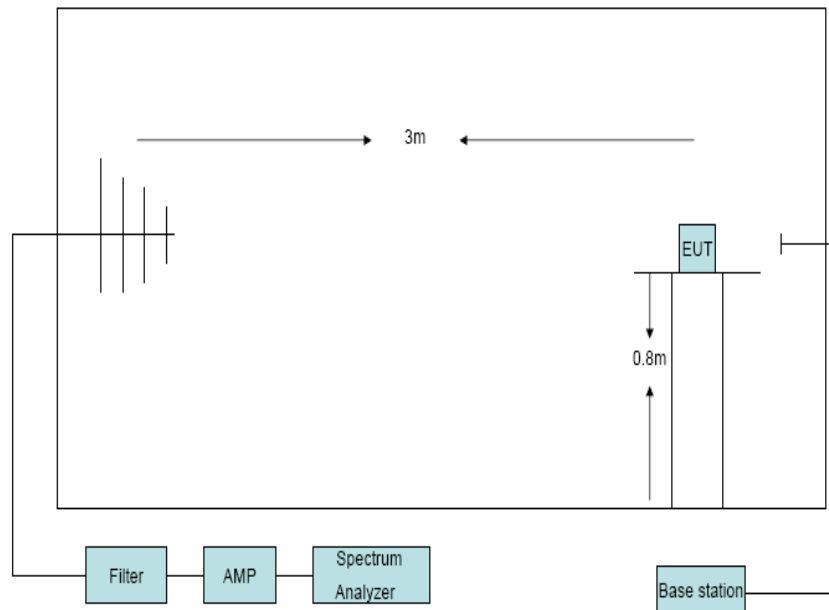
1. The EUT was placed on an non-conductive rotating platform with 0.8 meter height in an anechoic chamber. The radiated spurious emissions from 30MHz to 10th harmonious of fundamental frequency were measured at 3m with a test antenna and a spectrum analyzer with RBW= 1MHz,VBW= 1MHz ,peak detector settings.
2. During the measurement, the EUT was enforced in maximum power and linked with a base station. All the spurious emissions (record as LVL) at 3m were measured by rotation of the turntable and the test antenna raised and lowered over a range from 1 to 4 meters in both horizontally and vertically polarized orientations.
3. Final spurious emissions levels were measured by substitution method according to TIA/EIA-603-C. The EUT was replaced by dipole antenna (for frequency below 1GHz) or Horn antenna (for frequency above 1GHz) at same location with same polarize of receiver antenna and then a known power of each measure frequency from S.G. was applied into the dipole antenna or Horn antenna through a Tx cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna. The correction factor (in dB) = S.G. - Tx Cable loss + Substitution antenna gain –Substitution antenna Loss(only for Dipole antenna) - Analyzer reading. Then final

spurious emissions were calculated with the correction factor, $EIRP = LVL + \text{Correction factor}$ and $ERP = EIRP - 2.15$

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

7.1.5 TEST RESULTS

NOTE: ALL MODE HAS BEEN TESTED, ONLY WORST DATA SHOWN IN THIS REPORT.

| Test result for Lowest Channel QPSK 5MHz | | | | | | |
|--|----------------------|-----------|-----------------------|--------------|-------------|-------------|
| Frequency (MHz) | Antenna polarization | LVL (dBm) | Correction factor(dB) | Result (dBm) | Limit (dBm) | Margin (dB) |
| 2532.9 | H | -53.28 | 4.25 | -49.03 | -13.00 | 36.03 |
| 1413 | H | -41.69 | 2.76 | -38.93 | -13.00 | 25.93 |
| 2532.9 | V | -53.63 | 4.25 | -49.38 | -13.00 | 36.38 |
| 1413 | V | -41.73 | 2.76 | -38.97 | -13.00 | 25.97 |
| / | / | / | / | / | / | / |
| | | | | | | |

| Test result for Highest Channel QPSK 5MHz | | | | | | |
|---|----------------------|-----------|-----------------------|--------------|-------------|-------------|
| Frequency (MHz) | Antenna polarization | LVL (dBm) | Correction factor(dB) | Result (dBm) | Limit (dBm) | Margin (dB) |
| 2532.9 | H | -55.27 | 4.25 | -51.02 | -13.00 | 38.02 |
| 1427 | H | -41.67 | 2.78 | -38.89 | -13.00 | 25.89 |
| 2532.9 | V | -53.53 | 4.25 | -49.28 | -13.00 | 36.28 |
| 1427 | V | -40.39 | 2.78 | -37.61 | -13.00 | 24.61 |
| / | / | / | / | / | / | / |
| | | | | | | |

| Test result for Lowest Channel 16QAM 5MHz | | | | | | |
|---|----------------------|-----------|-----------------------|--------------|-------------|-------------|
| Frequency (MHz) | Antenna polarization | LVL (dBm) | Correction factor(dB) | Result (dBm) | Limit (dBm) | Margin (dB) |
| 2532.9 | H | -55.26 | 4.25 | -51.01 | -13.00 | 38.01 |
| 1413 | H | -41.14 | 2.76 | -38.38 | -13.00 | 25.38 |
| 2532.9 | V | -53.09 | 4.25 | -48.84 | -13.00 | 35.84 |
| 1413 | V | -40.23 | 2.76 | -37.47 | -13.00 | 24.47 |
| / | / | / | / | / | / | / |
| | | | | | | |

| Test result for Highest Channel 16QAM 5MHz | | | | | | |
|--|----------------------|-----------|-----------------------|--------------|-------------|-------------|
| Frequency (MHz) | Antenna polarization | LVL (dBm) | Correction factor(dB) | Result (dBm) | Limit (dBm) | Margin (dB) |
| 2532.9 | H | -56.12 | 4.25 | -51.87 | -13.00 | 38.87 |
| 1427 | H | -41.05 | 2.78 | -38.27 | -13.00 | 25.27 |
| 2532.9 | V | -53.66 | 4.25 | -49.41 | -13.00 | 36.41 |
| 1427 | V | -41.11 | 2.78 | -38.33 | -13.00 | 25.33 |
| / | / | / | / | / | / | / |
| | | | | | | |

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

8. BAND EDGE

8.1 APPLIED PROCEDURES / LIMIT

| Section | Test Item | Limit | Result |
|----------|-----------|--------|--------|
| 27.53(g) | Band edge | -13dBm | PASS |

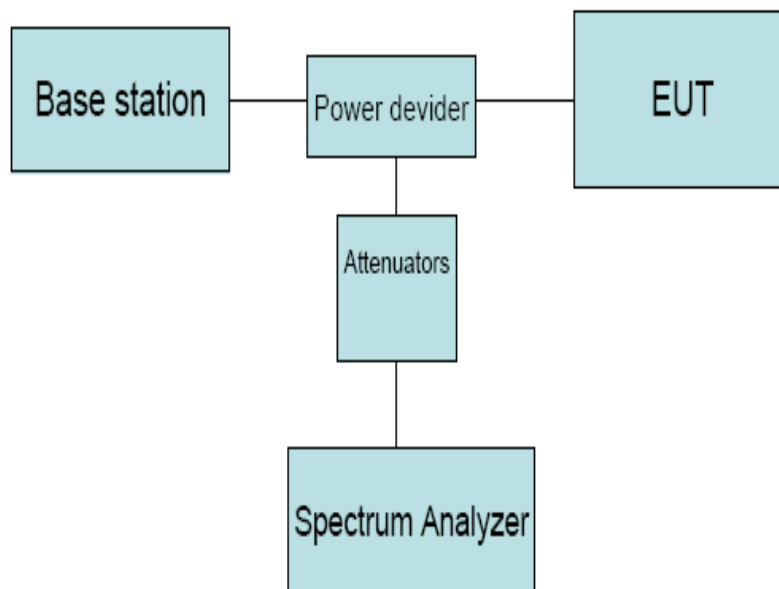
8.1.1 TEST PROCEDURE

1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
2. The band edges of low and high channels for the highest RF powers were measured.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



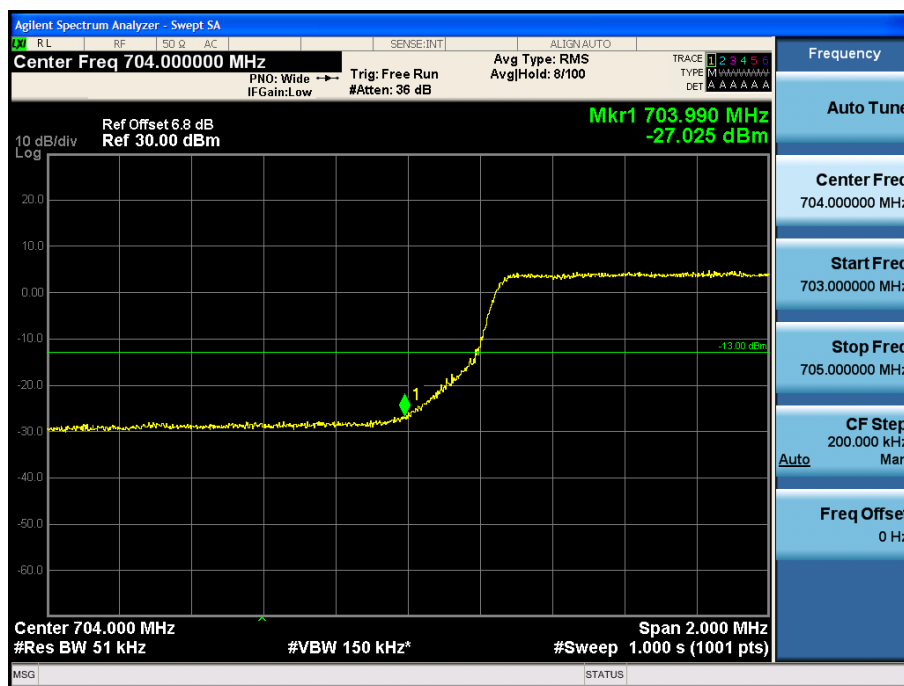
8.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

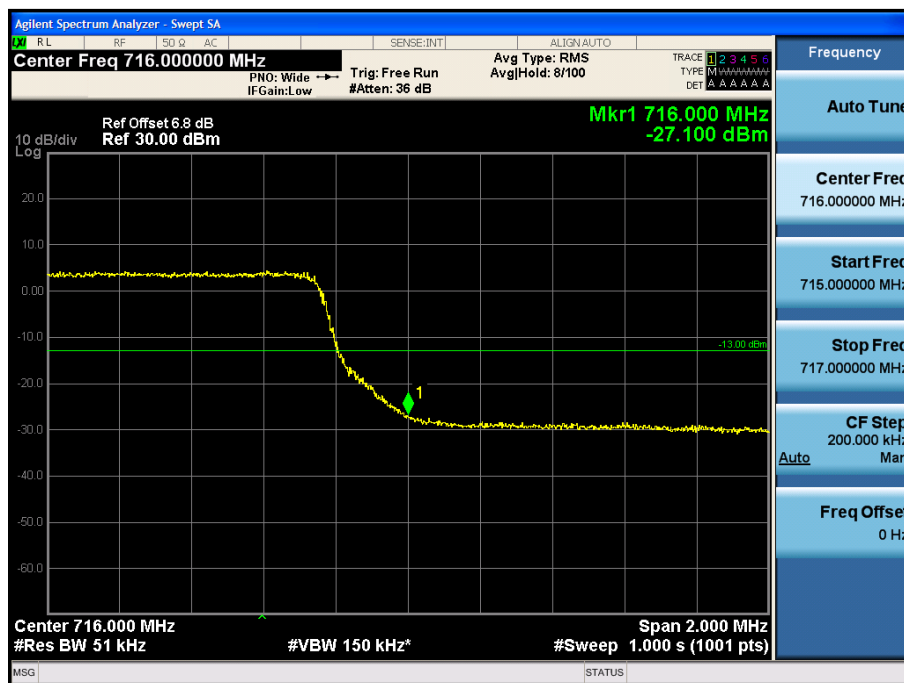
8.1.5 TEST RESULTS

NOTE: ALL MODE HAS BEEN TESTED, ONLY WORST DATA SHOWN IN THIS REPORT.

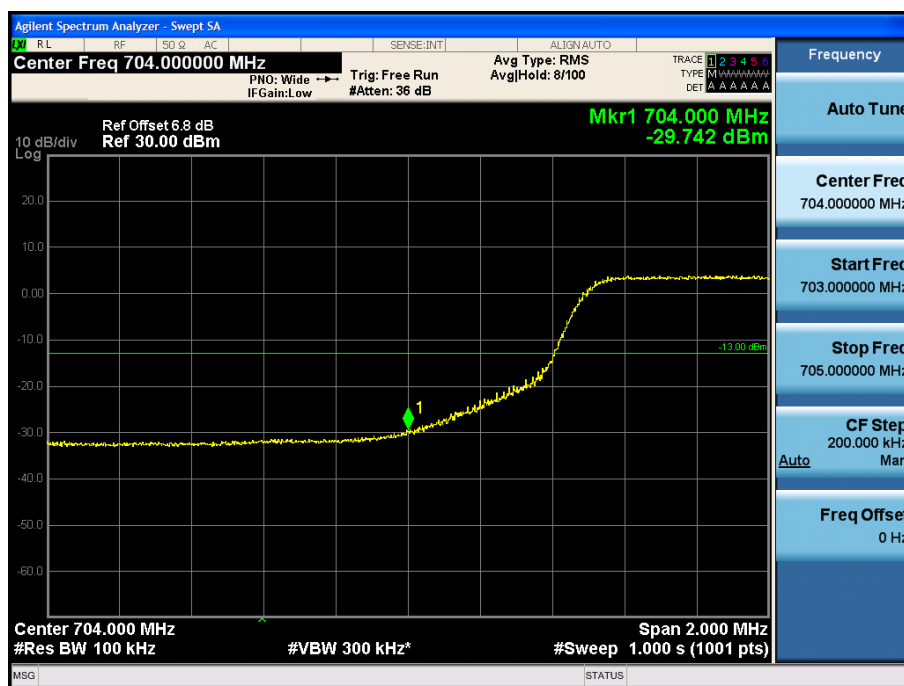
Lowest Channel 5MHz QPSK



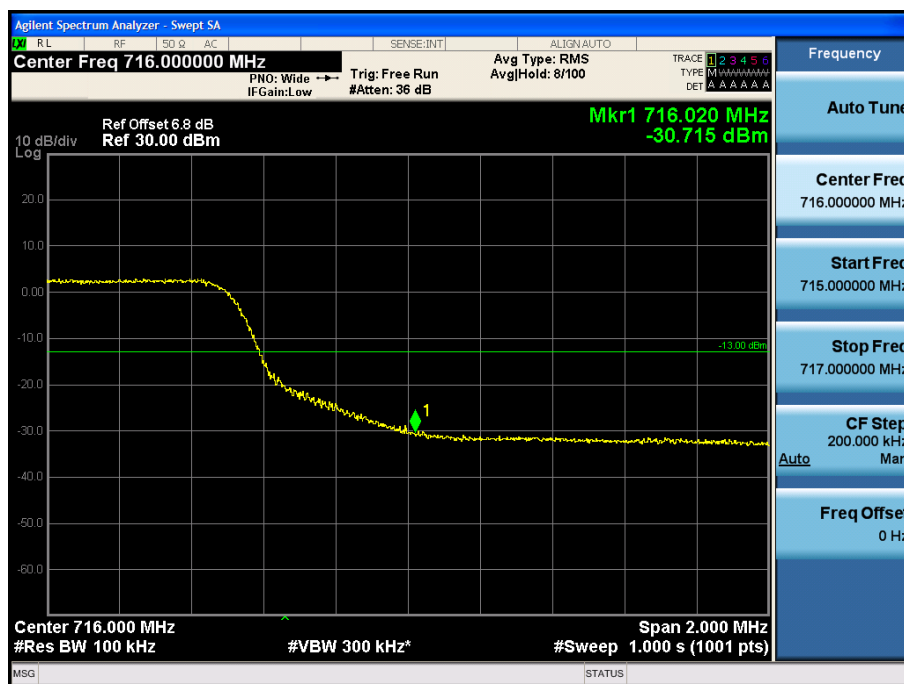
Highest Channel 5MHz QPSK



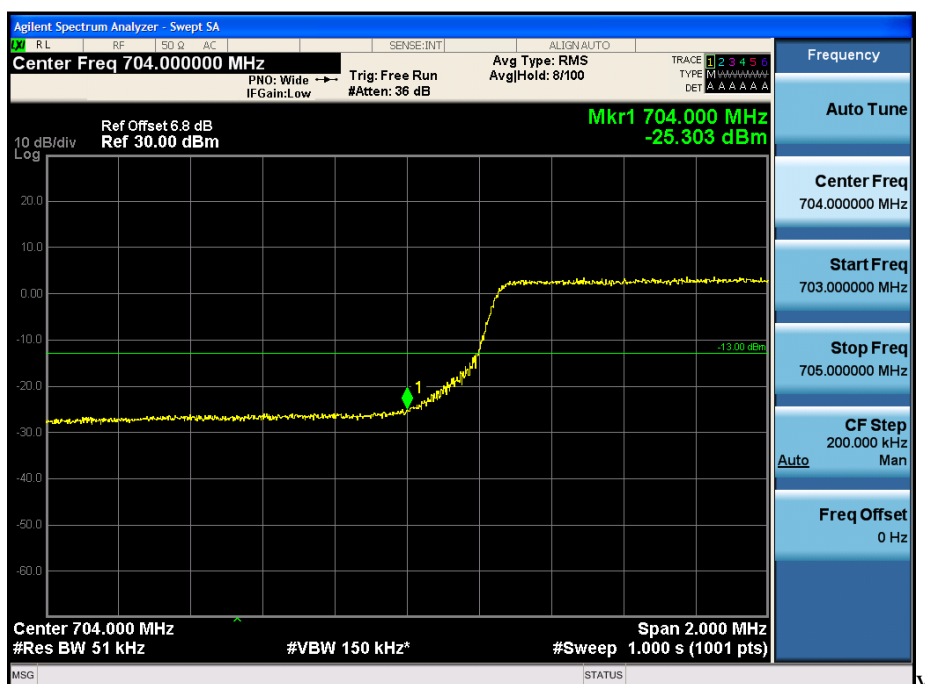
Lowest Channel 10MHz QPSK



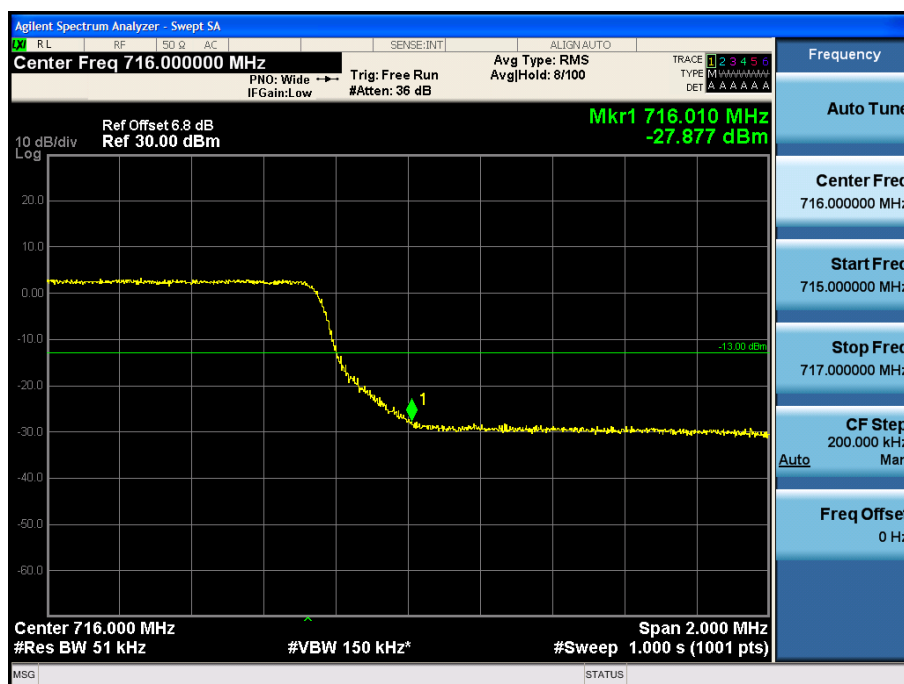
Highest Channel 10MHz QPSK



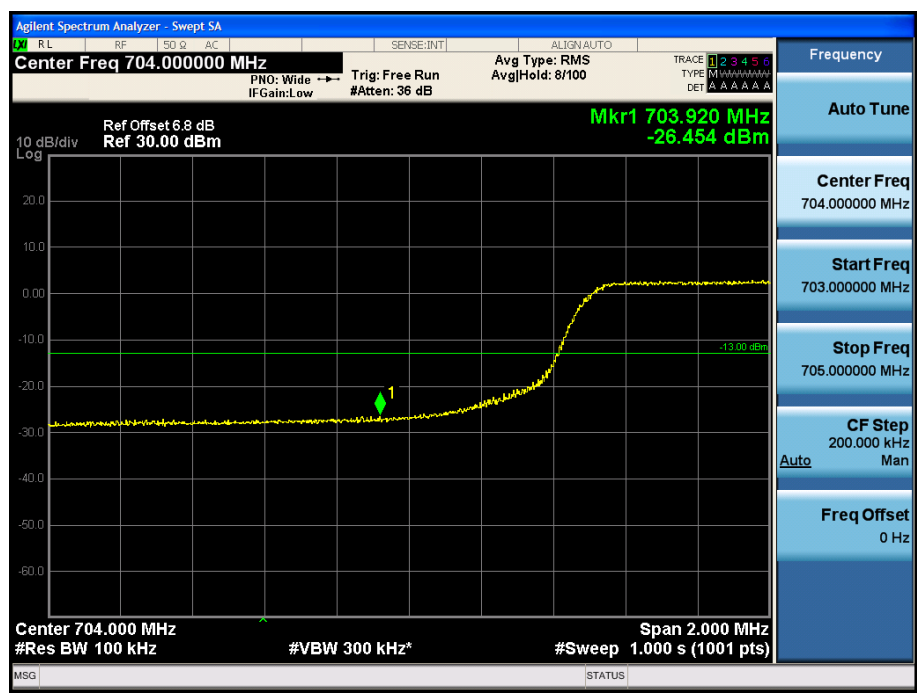
Lowest Channel 5MHz 16QAM



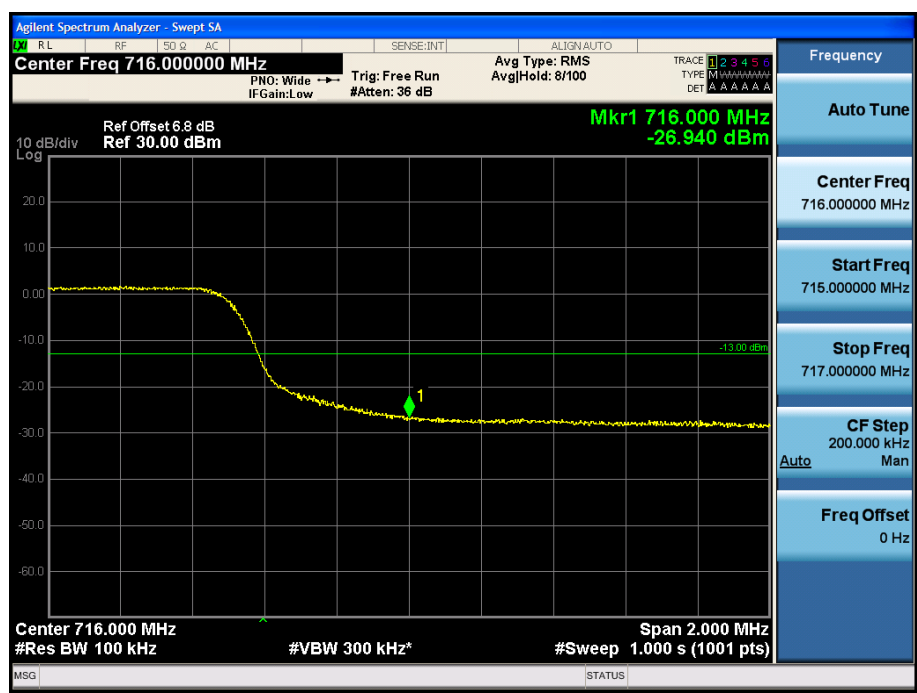
Highest Channel 5MHz 16QAM



Lowest Channel 10MHz 16QAM



Highest Channel 10MHz 16QAM



END OF REPORT