

Global United Technology Services Co., Ltd.

Report No: GTSE11110088502

FCC REPORT (Bluetooth)

Applicant: SHENZHEN KENXINDA TECHNOLOGY CO.,LTD

Address of Applicant: 18TH FLOOR, FUCHUN ORIENT BUILDING, SHENNAN AV

7006, SHENZHEN, CHINA

Equipment Under Test (EUT)

Product Name: GSM MOBILE PHONE

Model No.: S-350

Trade mark: **SEFTON**

ZSHS-350 FCC ID:

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247:2010

Date of sample receipt: Nov. 1, 2011

Date of Test: Nov. 1-14, 2011

Date of report issued: Nov. 16, 2011

Test Result: PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the GTS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of GTS International Electrical Approvals or testing done by GTS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by GTS International Electrical Approvals in writing.

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2 Version

| Version No. | Date | Description |
|-------------|---------------|-------------|
| 00 | Nov. 16, 2011 | Original |
| | | |
| | | |
| | | |
| | | |

| Prepared by: | Collan. He | Date: | Nov. 16, 2011 | |
|--------------|------------------|-------|---------------|--|
| | Project Engineer | | | |
| Reviewed by: | Hams. Hu | Date: | Nov. 16, 2011 | |
| | Reviewer | _ | | |



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4 Test Summary

| Test Item | Section in CFR 47 | Result |
|--------------------------------------------|--------------------------------------------------|--------|
| Antenna Requirement | 15.203/15.247 (c) | PASS |
| AC Power Line Conducted Emission | 15.207 | PASS |
| Conducted Peak Output Power | 15.247 (b)(1) | PASS |
| 20dB Occupied Bandwidth | 15.247 (a)(1) | PASS |
| Carrier Frequencies Separation | 15.247 (a)(1) | PASS |
| Hopping Channel Number | 15.247 (a)(1) | PASS |
| Dwell Time | 15.247 (a)(1) | PASS |
| Pseudorandom Frequency Hopping Sequence | 15.247(b)(4)&TCB Exclusion List (7 July 2002) | PASS |
| Radiated Emission | 15.205/15.209 | PASS |
| Band Edge | 15.247(d) | PASS |

Pass: The EUT complies with the essential requirements in the standard.

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5 General Information

5.1 Client Information

| Applicant: | SHENZHEN KENXINDA TECHNOLOGY CO.,LTD |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Address of Applicant: | 18TH FLOOR,FUCHUN ORIENT BUILDING,SHENNAN AV 7006,SHENZHEN,CHINA |
| Manufacturer: | SHENZHEN KENXINDA TECHNOLOGY CO.,LTD BAO'AN BRANCH |
| Address of Manufacturer: | 1-6 FLOOR,NO.105 WORK SHOP&1-5 FLOOR,NO.104 WORKSHOP,XINWEIHUANINGROAD,DALANG COMMUNITY, DALANGSTREET,BAO'AN DISTRICT,SHENZHEN, P.R.CHINA |

5.2 General Description of E.U.T.

| Product Name: | GSM MOBILE PHONE |
|----------------------|------------------------------------------------------------------------------|
| Model No.: | S-350 |
| Trade mark: | SEFTON |
| Operation Frequency: | 2402MHz~2480MHz |
| Channel numbers: | 79 |
| Channel separation: | 1MHz |
| Modulation type: | GFSK |
| Antenna Type: | Integral |
| Antenna gain: | 2dBi |
| Power supply: | Li-ion Battery Voltage: DC 3.7V 900mAh |
| AC adapter: | Model No:HWT-2.5W-5050G Input: AC 100-240V 50/60Hz Output: DC 5V 500mA |

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| Operation Frequency each of channel | | | | | | | |
|-------------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 1 | 2402MHz | 21 | 2422MHz | 41 | 2442MHz | 61 | 2462MHz |
| 2 | 2403MHz | 22 | 2423MHz | 42 | 2443MHz | 62 | 2463MHz |
| 3 | 2404MHz | 23 | 2424MHz | 43 | 2444MHz | 63 | 2464MHz |
| 4 | 2405MHz | 24 | 2425MHz | 44 | 2445MHz | 64 | 2465MHz |
| 5 | 2406MHz | 25 | 2426MHz | 45 | 2446MHz | 65 | 2466MHz |
| 6 | 2407MHz | 26 | 2427MHz | 46 | 2447MHz | 66 | 2467MHz |
| 7 | 2408MHz | 27 | 2428MHz | 47 | 2448MHz | 67 | 2468MHz |
| 8 | 2409MHz | 28 | 2429MHz | 48 | 2449MHz | 68 | 2469MHz |
| 9 | 2410MHz | 29 | 2430MHz | 49 | 2450MHz | 69 | 2470MHz |
| 10 | 2411MHz | 30 | 2431MHz | 50 | 2451MHz | 70 | 2471MHz |
| 11 | 2412MHz | 31 | 2432MHz | 51 | 2452MHz | 71 | 2472MHz |
| 12 | 2413MHz | 32 | 2433MHz | 52 | 2453MHz | 72 | 2473MHz |
| 13 | 2414MHz | 33 | 2434MHz | 53 | 2454MHz | 73 | 2474MHz |
| 14 | 2415MHz | 34 | 2435MHz | 54 | 2455MHz | 74 | 2475MHz |
| 15 | 2416MHz | 35 | 2436MHz | 55 | 2456MHz | 75 | 2476MHz |
| 16 | 2417MHz | 36 | 2437MHz | 56 | 2457MHz | 76 | 2477MHz |
| 17 | 2418MHz | 37 | 2438MHz | 57 | 2458MHz | 77 | 2478MHz |
| 18 | 2419MHz | 38 | 2439MHz | 58 | 2459MHz | 78 | 2479MHz |
| 19 | 2420MHz | 39 | 2440MHz | 59 | 2460MHz | 79 | 2480MHz |
| 20 | 2421MHz | 40 | 2441MHz | 60 | 2461MHz | | |

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

| Channel | Frequency |
|---------------------|-----------|
| The lowest channel | 2402MHz |
| The middle channel | 2441MHz |
| The Highest channel | 2480MHz |

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5.3 Test environment and mode

| Operating Environment: | | | | |
|------------------------|-----------------------------------------------------------|--|--|--|
| Temperature: | 25.0 °C | | | |
| Humidity: | 45 % RH | | | |
| Atmospheric Pressure: | 1050 mbar | | | |
| Test mode: | | | | |
| Bluetooth mode | Keep the EUT in communicating mode on Bluetooth function. | | | |

5.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

● FCC —Registration No.: 600491

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 600491, July 20, 2010.

● Industry Canada (IC)

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A-1.

5.5 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

Address: 2nd Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen,

China

Tel: 0755-27798480 Fax: 0755-27798960

5.6 Other Information Requested by the Customer

None.

Global United Technology Services Co., Ltd. 2nd Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China 518102

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5.7 Test Instruments list

| Radia | Radiated Emission: | | | | | |
|-------|--------------------------------------|--------------------------------|-----------------------------|------------------|------------------------|----------------------------|
| Item | Test Equipment | Manufacturer | Model No. | Inventory No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1 | 3m Semi- Anechoic Chamber | ZhongYu Electron | 9.2(L)*6.2(W)* 6.4(H) | GTS250 | Mar. 30 2011 | Mar. 29 2012 |
| 2 | Control Room | ZhongYu Electron | 6.2(L)*2.5(W)* 2.4(H) | GTS251 | N/A | N/A |
| 3 | EMI Test Receiver | Rohde & Schwarz | ESU26 | GTS203 | Jul. 04 2011 | Jul. 03 2012 |
| 4 | BiConiLog Antenna | SCHWARZBECK MESS-ELEKTRONIK | VULB9163 | GTS214 | Feb. 26 2011 | Feb. 25 2012 |
| 5 | Double -ridged waveguide horn | SCHWARZBECK MESS-ELEKTRONIK | 9120D-829 | GTS208 | June 30 2011 | June 29 2012 |
| 6 | Horn Antenna | ETS-LINDGREN | 3160 | GTS217 | Mar. 30 2011 | Mar. 29 2012 |
| 7 | EMI Test Software | AUDIX | E3 | N/A | N/A | N/A |
| 8 | Coaxial Cable | GTS | N/A | GTS213 | Apr. 01 2011 | Mar. 31 2012 |
| 9 | Coaxial Cable | GTS | N/A | GTS211 | Apr. 01 2011 | Mar. 31 2012 |
| 9 | Coaxial cable | GTS | N/A | GTS210 | Apr. 01 2011 | Mar. 31 2012 |
| 11 | Coaxial Cable | GTS | N/A | GTS212 | Apr. 01 2011 | Mar. 31 2012 |
| 12 | Amplifier(100kHz-3GHz) | HP | 8347A | GTS204 | Jul. 04 2011 | Jul. 03 2012 |
| 13 | Amplifier(2GHz-20GHz) | HP | 8349B | GTS206 | Jul. 04 2011 | Jul. 03 2012 |
| 14 | Pre-amplifier (18-26GHz) | Rohde & Schwarz | AFS33-18002 650-30-8P-44 | GTS218 | Apr. 01 2011 | Mar. 31 2012 |
| 15 | Band filter | Amindeon | 82346 | GTS219 | Apr. 01 2011 | Mar. 31 2012 |
| 16 | Universal radio communication tester | Rohde & Schwarz | CMU200 | GTS235 | May 11 2011 | May 11 2012 |
| 17 | Signal Generator | Rohde & Schwarz | SML03 | GTS236 | May 11 2011 | May 11 2012 |
| 18 | Temp. Humidity/ Barometer | Oregon Scientific | BA-888 | GTS248 | May 11 2011 | May 11 2012 |
| 19 | D.C. Power Supply | Instek | PS-3030 | GTS232 | NA | NA |
| 20 | Splitter | Agilent | 11636B | GTS237 | May 11 2011 | May 11 2012 |

| Cond | Conducted Emission: | | | | | |
|------|---------------------|--------------------------------|----------------------|------------------|------------------------|----------------------------|
| Item | Test Equipment | Manufacturer | Model No. | Inventory No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1 | Shielding Room | ZhongYu Electron | 7.0(L)x3.0(W)x3.0(H) | GTS252 | Jul. 04 2011 | Jul. 03 2012 |
| 2 | EMI Test Receiver | Rohde & Schwarz | ESCS30 | GTS223 | Jul. 04 2011 | Jul. 03 2012 |
| 3 | 10dB Pulse Limita | Rohde & Schwarz | N/A | GTS224 | Jul. 04 2011 | Jul. 03 2012 |
| 4 | LISN | SCHWARZBECK MESS-ELEKTRONIK | NSLK 8127 | GTS226 | Jul. 04 2011 | Jul. 03 2012 |
| 5 | Coaxial Cable | GTS | N/A | GTS227 | Apr. 01 2011 | Mar. 31 2012 |
| 6 | EMI Test Software | AUDIX | E3 | N/A | N/A | N/A |

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6 Test results and Measurement Data

6.1 Antenna requirement:

Standard requirement: FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

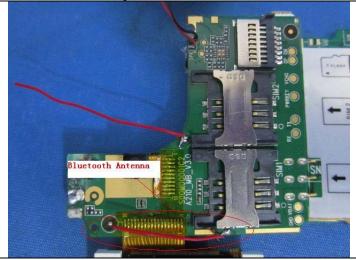
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The antenna is integrated metal foil antenna. The best case gain of the antenna is 2dBi.



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6.2 Conducted Emissions

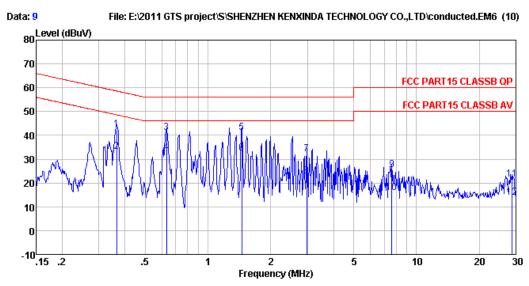
| | T | | | | |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------|--|--|
| Test Requirement: | FCC Part15 C Section 15.207 | | | | |
| Test Method: | ANSI C63.4: 2009 | | | | |
| Test Frequency Range: | 150KHz to 30MHz | | | | |
| Class / Severity: | Class B | | | | |
| Receiver setup: | RBW=9KHz, VBW=30KHz | | | | |
| Limit: | Fraguerov range (MHz) | Limit (d | dBuV) | | |
| | Frequency range (MHz) Quasi-peak Average | | | | |
| | 0.15-0.5 | 66 to 56* | 56 to 46* | | |
| | 0.5-5 | 56 | 46 | | |
| | 5-30 | 60 | 50 | | |
| Test procedure | * Decreases with the logarithm The E.U.T and simulators are | | | | |
| | coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2009 on conducted measurement. | | | | |
| Test setup: | Reference Plane | | | | |
| | Test table/Insulation pla Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilizatio | | er — AC power | | |
| Took In ohm was a set as | Test table height=0.8m | | | | |
| Test Instruments: | Refer to section 5.7 for details | | | | |
| Test mode: | Refer to section 5.3 for details | | | | |
| Test results: | Pass | | | | |

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Measurement Result:

Line:



Condition : FCC PART15 CLASSB QP LISN(2011) LINE

: 885RF : Bluetooth mode Job No. Test Mode

Test Engineer: Collin

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 2 3 4 5 6 7 8 9 10 11 | 0.365 0.365 0.634 0.634 1.456 1.456 2.978 2.978 7.606 7.606 28.755 | 41. 65 32. 58 40. 66 32. 16 40. 64 31. 99 31. 88 22. 26 24. 95 15. 58 21. 32 | 0.59 0.59 0.53 0.53 0.44 0.44 0.36 0.36 0.25 0.25 | 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.17 0.17 | 42. 34 33. 27 41. 29 32. 79 41. 18 32. 53 32. 34 22. 72 25. 37 16. 00 21. 65 | 48.61 56.00 46.00 56.00 46.00 56.00 46.00 50.00 | -14.71 -13.21 -14.82 -13.47 -23.66 -23.28 -34.63 | Average QP Average QP Average QP Average QP Average QP Average |
| 12 | 28.755 | 13.59 | 0.10 | 0.23 | 13.92 | 50.00 | -36.08 | Average |

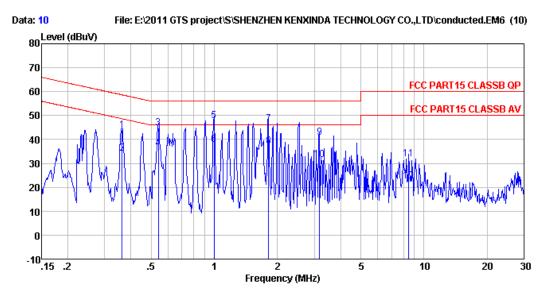
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Project No.: GTSE111100881RF

Neutral:



Condition : FCC PART15 CLASSB QP LISN(2011) NEUTRAL

Job No.

: 885RF : Bluetooth mode Test Mode

Test Engineer: Collin

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|--------|-------|---------------|----------------|---------------|-------|---------------|----------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.363 | 42.96 | 0.59 | 0.10 | 43.65 | 58.65 | -15.00 | QP |
| 2 | 0.363 | 33.38 | 0.59 | 0.10 | 34.07 | 48.65 | -14. 58 | Average |
| 3 | 0.541 | 44.16 | 0.55 | 0.10 | 44.81 | 56.00 | -11.19 | QP |
| 4 5 | 0.541 | 35.56 | 0.55 | 0.10 | 36.21 | 46.00 | -9.79 | Average |
| 5 | 1.000 | 47.13 | 0.48 | 0.10 | 47.71 | 56.00 | -8.29 | QP |
| 6 | 1.000 | 37.16 | 0.48 | 0.10 | 37.74 | 46.00 | -8.26 | Average |
| 7 | 1.819 | 45.83 | 0.41 | 0.10 | 46.34 | 56.00 | -9.66 | QP |
| 8 | 1.819 | 36.55 | 0.41 | 0.10 | 37.06 | 46.00 | -8.94 | Average |
| 9 | 3.173 | 40.26 | 0.35 | 0.10 | 40.71 | 56.00 | -15.29 | QP |
| 10 | 3.173 | 31.18 | 0.35 | 0.10 | 31.63 | 46.00 | -14.37 | Average |
| 11 | 8.456 | 31.58 | 0.24 | 0.18 | 32.00 | 60.00 | -28.00 | QP |
| 12 | 8.456 | 22.29 | 0.24 | 0.18 | 22.71 | 50.00 | -27.29 | Average |

Notes:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.



6.3 Conducted Peak Output Power

| Test Requirement: | FCC Part15 C Section 15.247 (b)(3) | |
|-------------------|-----------------------------------------------------------------------|--|
| Test Method: | ANSI C63.4:2009 and KDB DA00-705 | |
| Receiver setup: | RBW=3MHz, VBW=3MHz, Detector=Peak | |
| Limit: | 30dBm | |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane | |
| Test Instruments: | Refer to section 5.7 for details | |
| Test mode: | Refer to section 5.3 for details | |
| Test results: | Pass | |

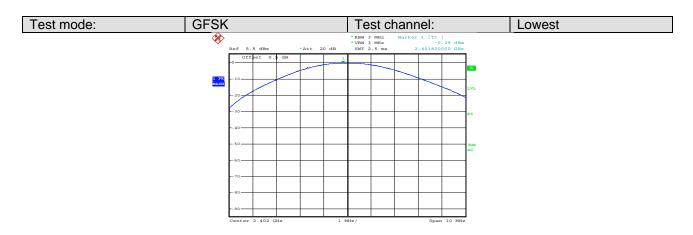
Measurement Data

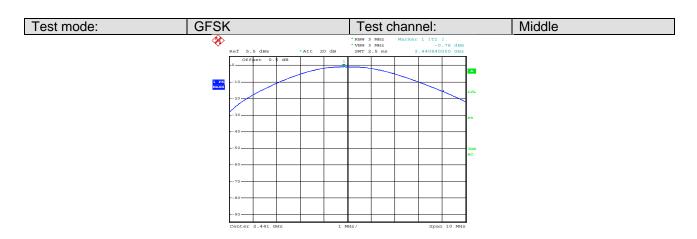
| GFSK mode | | | | |
|--------------|-------------------------|-------------|--------|--|
| Test channel | Peak Output Power (dBm) | Limit (dBm) | Result | |
| Lowest | -0.29 | 30.00 | Pass | |
| Middle | -0.76 | 30.00 | Pass | |
| Highest | -0.90 | 30.00 | Pass | |

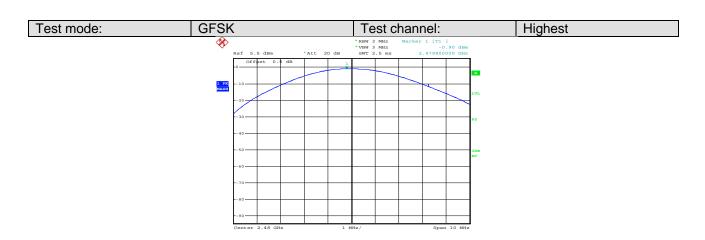
Test plot as follows:

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6.4 20dB Occupy Bandwidth

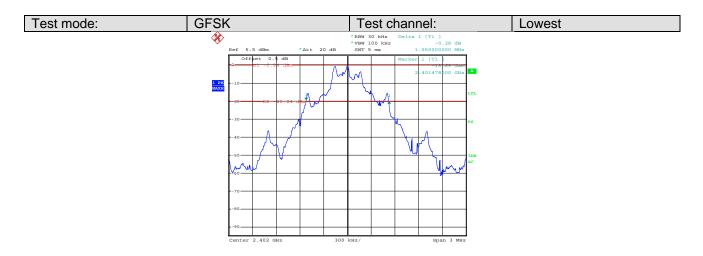
| Test Requirement: | FCC Part15 C Section 15.247 (a)(1) | |
|-------------------|-----------------------------------------------------------------------|--|
| Test Method: | ANSI C63.4:2009 and KDB DA00-705 | |
| Receiver setup: | RBW=30KHz, VBW=100KHz,detector=Peak | |
| Limit: | NA | |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane | |
| Test Instruments: | Refer to section 5.7 for details | |
| Test mode: | Refer to section 5.3 for details | |
| Test results: | Pass | |

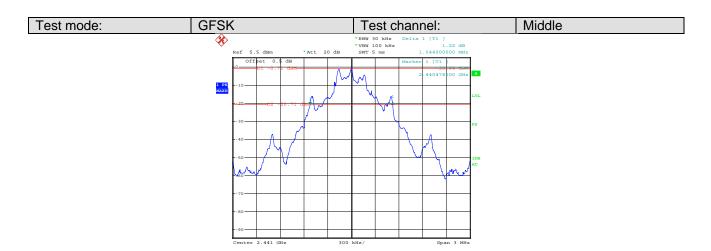
| Measurement Data | | |
|------------------|-----------------------------|--|
| | 20dB Occupy Bandwidth (kHz) | |
| Test channel | GFSK | |
| Lowest | 1050 | |
| Middle | 1044 | |
| Highest | 1044 | |

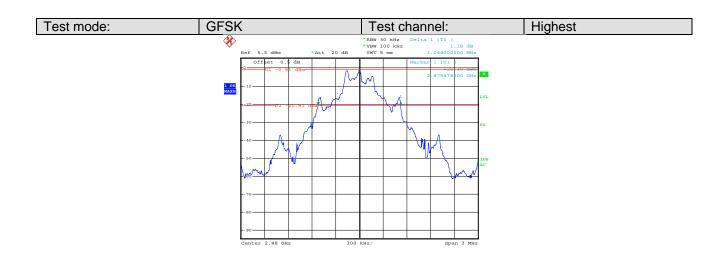
Test plot as follows:

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6.5 Carrier Frequencies Separation

| Test Requirement: | FCC Part15 C Section 15.247 (a)(1) | |
|-------------------|-----------------------------------------------------------------------|--|
| Test Method: | ANSI C63.4:2009 and KDB DA00-705 | |
| Receiver setup: | RBW=100KHz, VBW=300KHz, detector=Peak | |
| Limit: | 0.025MHz or 2/3 of the 20dB bandwidth (whichever is greater) | |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane | |
| Test Instruments: | Refer to section 5.7 for details | |
| Test mode: | Refer to section 5.3 for details | |
| Test results: | Pass | |

| Measurement Data | Measurement Data | | | | |
|------------------|--------------------------------------|-------------|--------|--|--|
| | GFSK mode | | | | |
| Test channel | Carrier Frequencies Separation (KHz) | Limit (kHz) | Result | | |
| Lowest | 1002 | 700 | Pass | | |
| Middle | 1002 | 700 | Pass | | |
| Highest | 1002 | 700 | Pass | | |

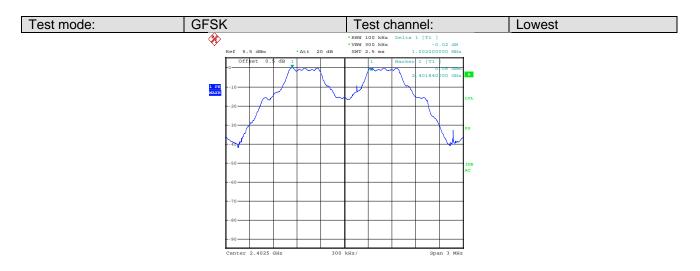
Note: According to section 6.4,

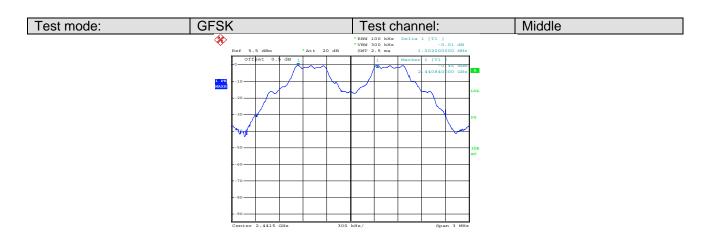
| · · · · · · · · · · · · · · · · · · · | | | | |
|---------------------------------------|----------------------|----------------------------------|--|--|
| Mode | 20dB bandwidth (KHz) | Limit (kHz) | | |
| Wode | (worse case) | (Carrier Frequencies Separation) | | |
| GFSK | 1050 | 700 | | |

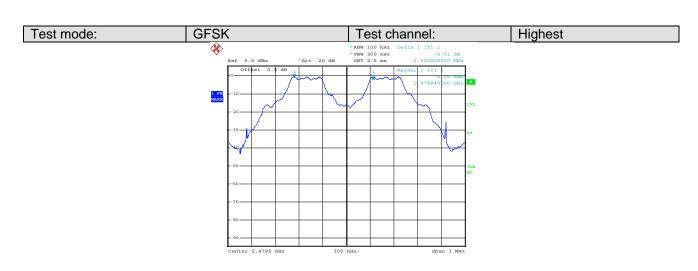
Test plot as follows:

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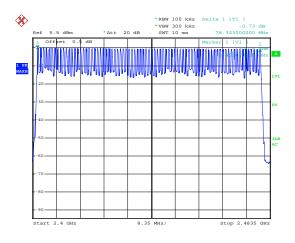


6.6 Hopping Channel Number

| Test Requirement: | FCC Part15 C Section 15.247 (a)(1) | |
|-------------------|--------------------------------------------------------------------------|--|
| Test Method: | ANSI C63.4:2009 and KDB DA00-705 | |
| Receiver setup: | RBW=100KHz, VBW=300KHz, Frequency range=2400MHz-2483.5MHz, Detector=Peak | |
| Limit: | 15channels | |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane | |
| Test Instruments: | Refer to section 5.7 for details | |
| Test mode: | Refer to section 5.3 for details | |
| Test results: | Pass | |

| Measurement Data | | |
|------------------|-------------------------|-------|
| Mode | Hopping channel numbers | Limit |
| GFSK | 79 | 15 |

Test plot as follows



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6.7 Dwell Time

| Test Requirement: | FCC Part15 C Section 15.247 (a)(1) | | |
|-------------------|-----------------------------------------------------------------------|--|--|
| Test Method: | ANSI C63.4:2009 and KDB DA00-705 | | |
| Receiver setup: | RBW=1MHz, VBW=1MHz, Span=0Hz, Detector=Peak | | |
| Limit: | 0.4 Second | | |
| Test mode: | Hopping transmitting with all kind of modulation. | | |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane | | |
| Test Instruments: | Refer to section 5.7 for details | | |
| Test mode: | Refer to section 5.3 for details | | |
| Test results: | Pass | | |

| Measurement Data | | | | | | | | | | |
|------------------|--------|---------------------|----------------|--|--|--|--|--|--|--|
| Mode | Packet | Dwell time (second) | Limit (second) | | | | | | | |
| | DH1 | 0.1414 | 0.4 | | | | | | | |
| GFSK | DH3 | 0.2736 | 0.4 | | | | | | | |
| | DH5 | 0.3155 | 0.4 | | | | | | | |

The test period: T= 0.4 Second/Channel x 79 Channel = 31.6 s

The lowest channel (2402MHz), middle channel (2441MHz), highest channel (2480MHz) as below

DH1 time slot=0.442(ms)*(1600/ (2*79))*31.6=141.44ms

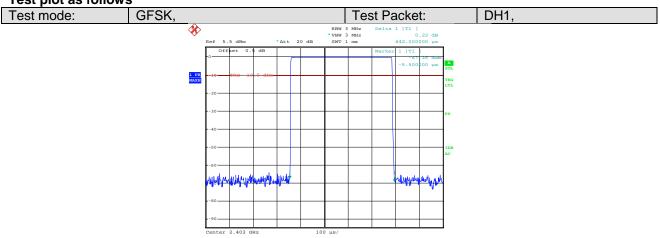
DH3 time slot=1.71(ms)*(1600/ (4*79))*31.6=273.60ms

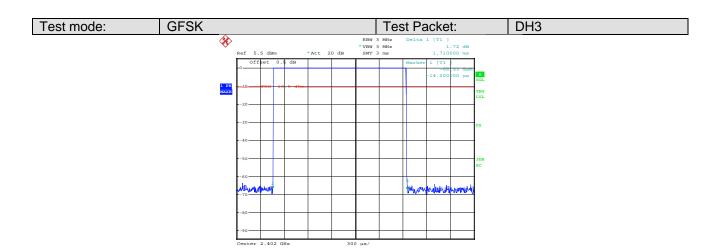
DH5 time slot=2.96(ms)*(1600/ (6*79))*31.6=315.54ms

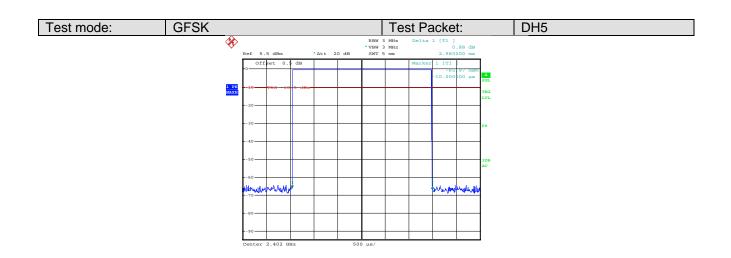
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Test plot as follows







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6.8 Band Edge

| Test Requirement: | FCC Part15 C Section 15.247 (d) | | | | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| Test Method: | ANSI C63.4:2009 and KDB DA00-705 | | | | |
| Receiver setup: | RBW=100KHz, VBW=300KHz, Detector=Peak | | | | |
| Limit: | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. | | | | |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane | | | | |
| Test Instruments: | Refer to section 5.7 for details | | | | |
| Test mode: | Refer to section 5.3 for details | | | | |
| Test results: | Pass | | | | |

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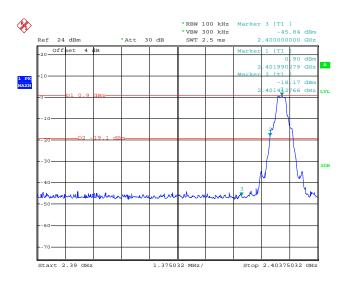


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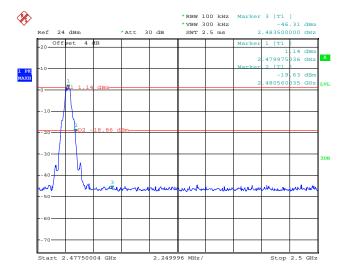
Test plot as follows:

Hopping off:

Test mode: GFSK Test channel: Lowest



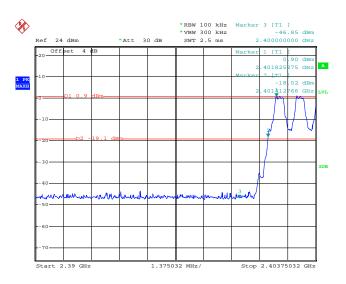
Test mode: GFSK Test channel: Highest



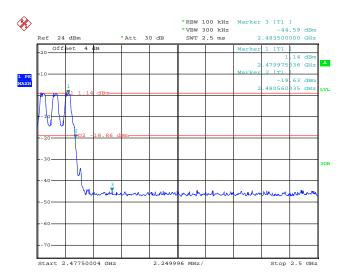


Hopping on:

Test mode: GFSK Test channel: Lowest



Test mode: GFSK Test channel: Highest



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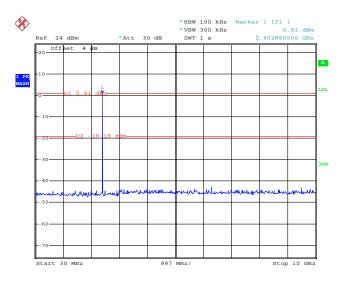
6.9 RF Antenna Conducted spurious emissions

| Test Requirement: | FCC Part15 C Section 15.247 (d) | | | | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| Test Method: | ANSI C63.4:2009 and KDB DA00-705 | | | | |
| Limit: | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. | | | | |
| Test setup: | | | | | |
| Test Instruments: | Ground Reference Plane | | | | |
| | Refer to section 5.7 for details | | | | |
| Test mode: | Refer to section 5.3 for details | | | | |
| Test results: | Pass | | | | |

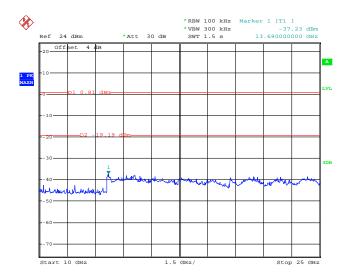
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| Test mode: | GFSK | Test channel: | Lowest |
|---------------|--------|-------------------|--------|
| 1 CSt IIIOGC. | OI OIX | i Cot Griaririoi. | LOWCSI |



30MHz~10GHz

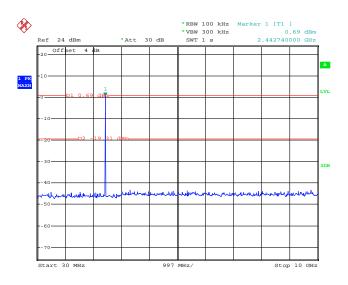


10GHz~25GHz

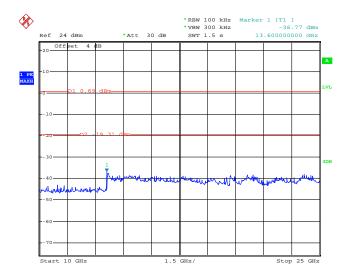
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| Test mode: | GFSK | Test channel: | Middle |
|---------------|------|---------------|----------|
| i col illouc. | | i col chamic. | IVIIGGIC |



30MHz~10GHz

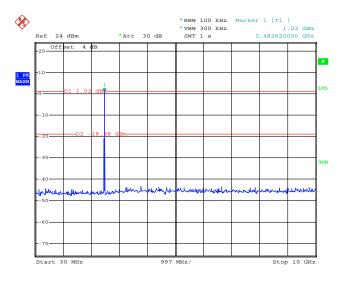


10GHz~25GHz

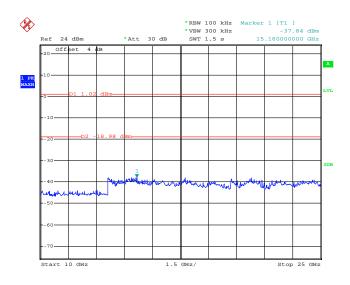
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| | 0-0.7 | | |
|--------------|--------|-----------------|-----------|
| Loot modo: | I CECK | Loct channel: | Lighoot |
| l lest mode: | IGFON | l lest channel: | l Highest |
| | | | |



30MHz~10GHz



10GHz~25GHz

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6.10 Pseudorandom Frequency Hopping Sequence

Test Requirement: FCC Part15 C Section 15.247 (a)(1) requirement:

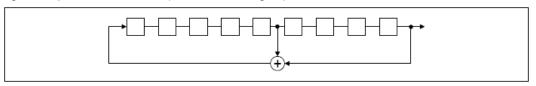
Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Alternatively. Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a Pseudorandom ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

EUT Pseudorandom Frequency Hopping Sequence

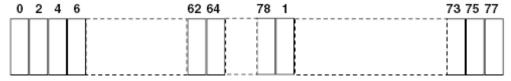
The pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONEs; i.e. the shift register is initialized with nine ones.

- Number of shift register stages: 9
- Length of pseudo-random sequence: 2⁹-1 = 511 bits
- Longest sequence of zeros: 8 (non-inverted signal)



Linear Feedback Shift Register for Generation of the PRBS sequence

An example of Pseudorandom Frequency Hopping Sequence as follow:



Each frequency used equally on the average by each transmitter.

The system receivers have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.

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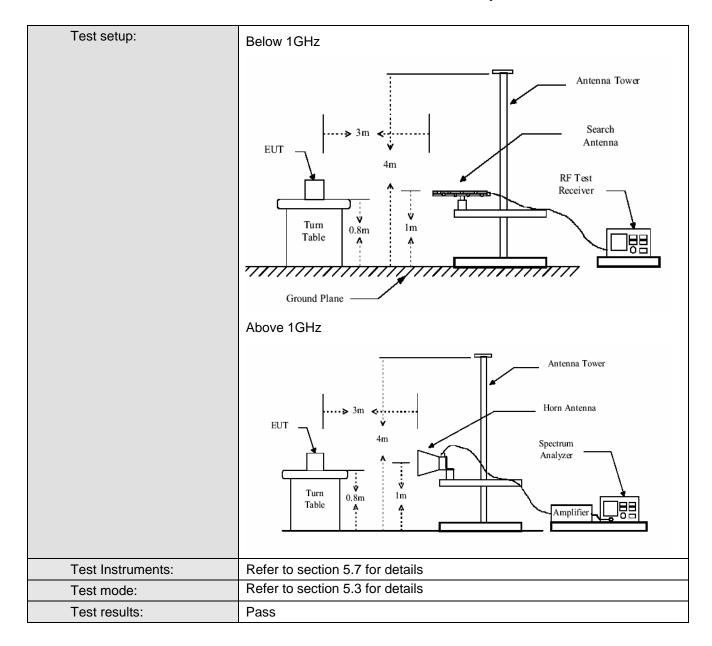
6.11 Radiated Emission

| Test Requirement: | FCC Part15 C Section 15.209 and 15.205 | | | | | | | | |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| Test Method: | ANSI C63.4: 2009 | | | | | | | | |
| Test Frequency Range: | 30MHz to 25GHz | | | | | | | | |
| Test site: | Measurement Distance: 3m (Semi-Anechoic Chamber) | | | | | | | | |
| Receiver setup: | mada.c.mon Diotanos. om (Comi / Moonolo Onambor) | | | | | | | | |
| · | Frequency | Detector | RBW | VBW | Remark | | | | |
| | 30MHz-1GHz | Quasi-peak | 100KHz | 300KHz | Quasi-peak Value | | | | |
| | Above 1GHz | Peak | 1MHz | 3MHz | Peak Value | | | | |
| | 7.0070 7.01.12 | Average | 1MHz | 10Hz | Average Value | | | | |
| Limit: | | 1 | 1: :: / ID 1/ | / 60 \ | | | | | |
| | Freque | - | Limit (dBuV | | Remark | | | | |
| | 30MHz-8 | | 40.0 | | Quasi-peak Value | | | | |
| | 88MHz-21 | | 43.5 46.0 | | Quasi-peak Value | | | | |
| | 216MHz-9 960MHz- | | 54.0 | | Quasi-peak Value | | | | |
| | 9001011 12- | TGHZ | 54.0 | | Quasi-peak Value Average Value | | | | |
| | Above 1 | GHz | 74.0 | | Peak Value | | | | |
| Test Procedure: | the ground rotated 360 radiation. b. The EUT wantenna, who tower. c. The antennation ground to domorizontal atthe measured. For each sucase and the meters and degrees to e. The test-reasured Specified B. If the emission the limit specified B. If the emission of the EUT have 10dB peak or aversheet. g. The radiation | at a 3 meter se degrees to det as set 3 meters ich was mount a height is varie etermine the mind vertical polaement. Ispected emissien the antenna the rotable tab find the maximulativer system wandwidth with Mion level of the ecified, then tes would be repormargin would be | e top of a romi-anechoic ermine the paway from ed on the top ed from one aximum valurizations of the control on, the EUT was turned the was turned the was turned to pay t | tating table camber. Toosition of the interference of a varial meter to foue of the fiethe antennation heights find from 0 decaded and the emissione by one and then represent in X, in the camber of the emissione of the emission | e 0.8 meters above he table was he highest ence-receiving able-height antenna ur meters above the eld strength. Both a are set to make ged to its worst rom 1 meter to 4 egrees to 360 Function and s 10dB lower than and the peak values esions that did not using peak, quasi-ported in a data | | | | |

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Note:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

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6.11.1 Transmitter emission below1GHz

| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
|--------------------|-------------------------|-----------------------------|-----------------------|--------------------------|-------------------|------------------------|-----------------------|--------------|
| 32.98 | 46.58 | 14.76 | 0.61 | 32.23 | 29.72 | 40.00 | -10.28 | Vertical |
| 53.13 | 44.44 | 14.87 | 0.68 | 31.99 | 28.00 | 40.00 | -12.00 | Vertical |
| 78.14 | 48.26 | 11.33 | 0.93 | 31.83 | 28.69 | 40.00 | -11.31 | Vertical |
| 167.82 | 39.53 | 9.73 | 1.62 | 32.08 | 18.80 | 43.50 | -24.70 | Vertical |
| 490.75 | 35.44 | 17.10 | 2.39 | 31.66 | 23.27 | 46.00 | -22.73 | Vertical |
| 909.67 | 35.05 | 24.35 | 3.35 | 31.47 | 31.28 | 46.00 | -14.72 | Vertical |
| 35.75 | 36.71 | 11.64 | 0.63 | 32.20 | 16.78 | 40.00 | -23.22 | Horizontal |
| 55.61 | 43.51 | 13.10 | 0.69 | 31.97 | 25.33 | 40.00 | -14.67 | Horizontal |
| 82.94 | 48.31 | 8.03 | 0.99 | 31.79 | 25.54 | 40.00 | -14.46 | Horizontal |
| 153.20 | 40.83 | 10.34 | 1.53 | 32.00 | 20.70 | 43.50 | -22.80 | Horizontal |
| 487.32 | 36.24 | 19.51 | 2.38 | 31.71 | 26.42 | 46.00 | -19.58 | Horizontal |
| 912.86 | 35.57 | 25.18 | 3.35 | 31.47 | 32.63 | 46.00 | -13.37 | Horizontal |

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6.11.2 Transmitter emission above 1GHz

| Worse case n | node: | GFSK | Test c | hannel: | Lowest | Remark | C: | Peak |
|--------------------|--------------------|-----------------------------|--------------------------|-------------------------|-------------------|------------------------|-----------------------|--------------|
| Frequency (MHz) | Cable Loss (dB) | Antenna Factor (dB/m) | Preamp Factor (dB) | Read Level (dBuV) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 4804.00 | 9.36 | 34.25 | 41.53 | 50.32 | 52.40 | 74.00 | -21.60 | Vertical |
| 7206.00 | 11.42 | 35.84 | 39.48 | 45.38 | 53.16 | 74.00 | -20.84 | Vertical |
| 9608.00 | 13.39 | 37.99 | 37.56 | 42.03 | 55.85 | 74.00 | -18.15 | Vertical |
| 12010.00 | 16.45 | 39.10 | 39.09 | 40.18 | 56.64 | 74.00 | -17.36 | Vertical |
| 14412.00 | | | | | | 74.00 | | Vertical |
| 16814.00 | | | | | | 74.00 | | Vertical |
| 4804.00 | 9.36 | 34.25 | 41.53 | 49.00 | 51.08 | 74.00 | -22.92 | Horizontal |
| 7206.00 | 11.42 | 35.84 | 39.48 | 44.08 | 51.86 | 74.00 | -22.14 | Horizontal |
| 9608.00 | 13.39 | 37.99 | 37.56 | 40.62 | 54.44 | 74.00 | -19.56 | Horizontal |
| 12010.00 | 16.45 | 39.10 | 39.09 | 38.70 | 55.16 | 74.00 | -18.84 | Horizontal |
| 14412.00 | | | | | | 74.00 | | Horizontal |
| 16814.00 | | | | | | 74.00 | | Horizontal |

| Worse case r | node: (| GFSK | Test c | hannel: | Lowest | Remark | (: | Average |
|--------------------|-------------------|-----------------------------|--------------------------|-------------------------|-------------------|------------------------|-----------------------|--------------|
| Frequency (MHz) | Cable Loss (dB | Antenna Factor (dB/m) | Preamp Factor (dB) | Read Level (dBuV) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 4804.00 | 9.36 | 34.25 | 41.53 | 29.79 | 31.87 | 54.00 | -22.13 | Vertical |
| 7206.00 | 11.42 | 35.84 | 39.48 | 26.50 | 34.28 | 54.00 | -19.72 | Vertical |
| 9608.00 | 13.39 | 37.99 | 37.56 | 24.68 | 38.50 | 54.00 | -15.50 | Vertical |
| 12010.00 | 16.45 | 39.10 | 39.09 | 24.30 | 40.76 | 54.00 | -13.24 | Vertical |
| 14412.00 | | | | | | 54.00 | | Vertical |
| 16814.00 | | | | | | 54.00 | | Vertical |
| 4804.00 | 9.36 | 34.25 | 41.53 | 28.32 | 30.40 | 54.00 | -23.60 | Horizontal |
| 7206.00 | 11.42 | 35.84 | 39.48 | 25.07 | 32.85 | 54.00 | -21.15 | Horizontal |
| 9608.00 | 13.39 | 37.99 | 37.56 | 23.11 | 36.93 | 54.00 | -17.07 | Horizontal |
| 12010.00 | 16.45 | 39.10 | 39.09 | 22.63 | 39.09 | 54.00 | -14.91 | Horizontal |
| 14412.00 | | | | | | 54.00 | | Horizontal |
| 16814.00 | | | _ | | | 54.00 | | Horizontal |

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[&]quot;---" means that the emission level is too low to be measured



| Worse case | mode: G | FSK | Test | channel: | Middle | Remar | k: | Peak |
|--------------------|--------------------|-----------------------------|--------------------------|-------------------------|-------------------|------------------------|-----------------------|--------------|
| Frequency (MHz) | Cable Loss (dB) | Antenna Factor (dB/m) | Preamp Factor (dB) | Read Level (dBuV) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 4882.00 | 10.57 | 34.35 | 40.33 | 47.19 | 51.78 | 74.00 | -22.22 | Vertical |
| 7323.00 | 11.85 | 36.12 | 39.18 | 44.44 | 53.23 | 74.00 | -20.77 | Vertical |
| 9764.00 | 13.89 | 38.03 | 37.94 | 40.58 | 54.56 | 74.00 | -19.44 | Vertical |
| 12205.00 | 17.95 | 39.23 | 39.30 | 37.95 | 55.83 | 74.00 | -18.17 | Vertical |
| 14646.00 | | | | | | 74.00 | | Vertical |
| 17087.00 | | | | | | 74.00 | | Vertical |
| 4882.00 | 10.57 | 34.35 | 40.33 | 46.21 | 50.80 | 74.00 | -23.20 | Horizontal |
| 7323.00 | 11.85 | 36.12 | 39.18 | 43.62 | 52.41 | 74.00 | -21.59 | Horizontal |
| 9764.00 | 13.89 | 38.03 | 37.94 | 39.79 | 53.77 | 74.00 | -20.23 | Horizontal |
| 12205.00 | 17.95 | 39.23 | 39.30 | 38.23 | 56.11 | 74.00 | -17.89 | Horizontal |
| 14646.00 | | | | | | 74.00 | | Horizontal |
| 17087.00 | | | | | | 74.00 | | Horizontal |

| Worse case mode: GFSK | | Test | Test channel: N | | Middle Remark | | Average | |
|-----------------------|--------------------|-----------------------------|--------------------------|-------------------------|-------------------|------------------------|-----------------------|--------------|
| | | | | | | | | |
| Frequency (MHz) | Cable Loss (dB) | Antenna Factor (dB/m) | Preamp Factor (dB) | Read Level (dBuV) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 4882.00 | 10.57 | 34.35 | 40.33 | 29.10 | 33.69 | 54.00 | -20.31 | Vertical |
| 7323.00 | 11.85 | 36.12 | 39.18 | 26.56 | 35.35 | 54.00 | -18.65 | Vertical |
| 9764.00 | 13.89 | 38.03 | 37.94 | 24.86 | 38.84 | 54.00 | -15.16 | Vertical |
| 12205.00 | 17.95 | 39.23 | 39.30 | 22.71 | 40.59 | 54.00 | -13.41 | Vertical |
| 14646.00 | | | | | | 54.00 | | Vertical |
| 17087.00 | | | | | | 54.00 | | Vertical |
| 4882.00 | 10.57 | 34.35 | 40.33 | 28.26 | 32.85 | 54.00 | -21.15 | Horizontal |
| 7323.00 | 11.85 | 36.12 | 39.18 | 25.85 | 34.64 | 54.00 | -19.36 | Horizontal |
| 9764.00 | 13.89 | 38.03 | 37.94 | 24.15 | 38.13 | 54.00 | -15.87 | Horizontal |
| 12205.00 | 17.95 | 39.23 | 39.30 | 22.04 | 39.92 | 54.00 | -14.08 | Horizontal |
| 14646.00 | | _ | | | | 54.00 | | Horizontal |
| 17087.00 | | | | | | 54.00 | | Horizontal |

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[&]quot;---" means that the emission level is too low to be measured



| Worse case mode: GFSK | | Test channel: | | Highest | Remar | k: | Peak | |
|-----------------------|--------------------|-----------------------------|--------------------------|-------------------------|-------------------|------------------------|-----------------------|--------------|
| | | | | | | | | |
| Frequency (MHz) | Cable Loss (dB) | Antenna Factor (dB/m) | Preamp Factor (dB) | Read Level (dBuV) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 4960.00 | 10.73 | 34.45 | 40.18 | 44.88 | 49.88 | 74.00 | -24.12 | Vertical |
| 7440.00 | 12.35 | 36.68 | 38.85 | 43.66 | 53.84 | 74.00 | -20.16 | Vertical |
| 9920.00 | 14.24 | 38.08 | 37.78 | 40.55 | 55.09 | 74.00 | -18.91 | Vertical |
| 12400.00 | 17.55 | 39.34 | 37.48 | 37.27 | 56.68 | 74.00 | -17.32 | Vertical |
| 14880.00 | | | | | | 74.00 | | Vertical |
| 17360.00 | | | | | | 74.00 | | Vertical |
| 4960.00 | 10.73 | 34.45 | 40.18 | 43.70 | 48.70 | 74.00 | -25.30 | Horizontal |
| 7440.00 | 12.35 | 36.68 | 38.85 | 42.50 | 52.68 | 74.00 | -21.32 | Horizontal |
| 9920.00 | 14.24 | 38.08 | 37.78 | 39.28 | 53.82 | 74.00 | -20.18 | Horizontal |
| 12400.00 | 17.55 | 39.34 | 37.48 | 37.62 | 57.03 | 74.00 | -16.97 | Horizontal |
| 14880.00 | | | | | | 74.00 | | Horizontal |
| 17360.00 | | | | | | 74.00 | | Horizontal |

| Worse case mode: GFSK | | Test channel: | | Highest | Remar | k: | Average | |
|-----------------------|--------------------|-----------------------------|--------------------------|-------------------------|-------------------|------------------------|-----------------------|--------------|
| | | | | | | | | |
| Frequency (MHz) | Cable Loss (dB) | Antenna Factor (dB/m) | Preamp Factor (dB) | Read Level (dBuV) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 4960.00 | 10.43 | 34.45 | 41.03 | 31.74 | 35.59 | 54.00 | -18.41 | Vertical |
| 7440.00 | 12.72 | 37.37 | 40.01 | 26.29 | 36.37 | 54.00 | -17.63 | Vertical |
| 9920.00 | 14.24 | 38.08 | 37.78 | 24.83 | 39.37 | 54.00 | -14.63 | Vertical |
| 12400.00 | 17.55 | 39.34 | 37.48 | 22.27 | 41.68 | 54.00 | -12.32 | Vertical |
| 14880.00 | | | | | | 54.00 | | Vertical |
| 17360.00 | | | | | | 54.00 | | Vertical |
| 4960.00 | 10.43 | 34.45 | 41.03 | 30.60 | 34.45 | 54.00 | -19.55 | Horizontal |
| 7440.00 | 12.72 | 37.37 | 40.01 | 24.94 | 35.02 | 54.00 | -18.98 | Horizontal |
| 9920.00 | 14.24 | 38.08 | 37.78 | 23.40 | 37.94 | 54.00 | -16.06 | Horizontal |
| 12400.00 | 17.55 | 39.34 | 37.48 | 20.72 | 40.13 | 54.00 | -13.87 | Horizontal |
| 14880.00 | | | | | | 54.00 | | Horizontal |
| 17360.00 | | | | | | 54.00 | | Horizontal |

Remark

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[&]quot;---" means that the emission level is too low to be measured



| 6.11.3 Bar | nd edge (I | Radiated | Emission) | | | | | | |
|------------------------|------------------------|-----------------------------|--------------------------|-------------------------|-------------------|------------------------|-----------------------|--------------|--|
| est mode: Transmitting | | Test channel: Lowest | | | Remark: | | Peak | | |
| | 1 | | | , | 1 | 1 | • | | |
| Frequency (MHz) | Cable Loss (dB) | Antenna Factor (dB/m) | Preamp Factor (dB) | Read Level (dBuV) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarizatior | |
| 2390.00 | 6.02 | 29.76 | 39.75 | 51.29 | 47.32 | 74.00 | -26.68 | Horizontal | |
| 2400.00 | 6.22 | 30.03 | 38.87 | 52.94 | 50.32 | 74.00 | -23.68 | Horizontal | |
| 2390.00 | 6.02 | 29.76 | 39.75 | 52.65 | 48.68 | 74.00 | -25.32 | Vertical | |
| 2400.00 | 6.22 | 30.03 | 38.87 | 54.27 | 51.65 | 74.00 | -22.35 | Vertical | |
| Test mode: | Trans | mitting | Test channe | el: Lowe | est | Remark: | Average | | |
| Frequency (MHz) | Cable Loss (dB) | Antenna Factor (dB/m) | Preamp Factor (dB) | Read Level (dBuV) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarizatior | |
| 2390.00 | 6.02 | 29.76 | 39.75 | 30.78 | 26.81 | 54.00 | -27.19 | Horizontal | |
| 2400.00 | 6.22 | 30.03 | 38.87 | 34.28 | 31.66 | 54.00 | -22.34 | Horizontal | |
| 2390.00 | 6.02 | 29.76 | 39.75 | 32.04 | 28.07 | 54.00 | -25.93 | Vertical | |
| 2400.00 | 6.22 | 30.03 | 38.87 | 35.51 | 32.89 | 54.00 | -21.11 | Vertical | |
| Test mode: | est mode: Transmitting | | Test channel: Highest | | | Remark: | Remark: Peak | | |
| | | | | | | | | | |
| Frequency (MHz) | Cable Loss (dB) | Antenna Factor (dB/m) | Preamp Factor (dB) | Read Level (dBuV) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarizatior | |
| 2483.50 | 6.34 | 30.32 | 39.53 | 53.50 | 50.63 | 74.00 | -23.37 | Horizontal | |
| 2500.00 | 6.36 | 30.37 | 39.65 | 50.27 | 47.35 | 74.00 | -26.65 | Horizontal | |
| 2483.50 | 6.34 | 30.32 | 39.53 | 54.72 | 51.85 | 74.00 | -22.15 | Vertical | |
| 2500.00 | 6.36 | 30.37 | 39.65 | 51.46 | 48.54 | 74.00 | -25.46 | Vertical | |
| Test mode: | est mode: Transmitting | | Test channel: Highest | | | Remark: Average | | | |
| | | | 1 | | | | | | |
| Frequency | | Antenna Factor | Preamp | Read Level | | Limit Line | Over Limit | Polarizatio | |
| (MHz) | (dB) | (dB/m) | Factor (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dB) | | |
| 2483.50 | 6.34 | 30.32 | 39.53 | 35.89 | 33.02 | 54.00 | -20.98 | Horizonta | |
| 0500.00 | 6.36 | 30.37 | 39.65 | 32.39 | 29.47 | 54.00 | -24.53 | Horizonta | |
| 2500.00 | | | | | | | | | |
| 2483.50 | 6.34 | 30.32 | 39.53 | 36.95 | 34.08 | 54.00 | -19.92 | Vertical | |

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