



REPORT No.: SZ15120103W01

RF PRE TEST REPORT

APPLICANT : GN Netcom A/S

PRODUCT NAME : DECT Base station

MODEL NAME : 9400BS

TRADE NAME : PRO 9400 Series

BRAND NAME : Jabra

STANDARD(S) : 47 CFR Part 15 Subpart C
RSS-GEN,RSS-247

ISSUE DATE : 2015-12-21



SHENZHEN MORLAB COMMUNICATIONS TECHNOLOGY Co., Ltd.

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Change History		
Issue	Date	Reason for change
1.0	2015-12-21	First edition



REPORT No.: SZ15120103W01

TEST REPORT DECLARATION

Applicant	GN Netcom A/S
Applicant Address	Lautrupbjerg7,DK-2750 Ballerup,Denmark
Manufacturer	GN Netcom A/S
Manufacturer Address	Lautrupbjerg7,DK-2750 Ballerup,Denmark
Product Name	DECT Base station
Model Name	9400BS
Brand Name	Jabra
HW Version	28-04580
SW Version	3.18.0
Test Standards	47 CFR Part 15 Subpart C RSS-GEN,RSS-247
Test Date	2015-12-15 to 2015-12-20
Test Result	PASS

Tested by : Zou Jian
Zou Jian (Test Engineer)

Reviewed by : Peng Huarui
Peng Huarui(RF Manager)

Approved by : Zeng Dexin
Zeng Dexin(Chief Engineer)



1. TECHNICAL INFORMATION

Note: Provide by applicant.

1.1 Applicant Information

Company:	GN Netcom A/S
Address:	Lautrupbjerg7,DK-2750 Ballerup,Denmark

1.2 Equipment under Test (EUT) Description

Brand Name:	Jabra
Trade Name:	PRO 9400 Series
Model Name:	9400BS
Frequency Range:	The frequency range used is 2402MHz – 2480MHz (79 channels, at intervals of 1MHz); The frequency block is 2400MHz to 2483.5MHz.
Modulation Type:	Bluetooth: FHSS (GFSK(1Mbps), $\pi/4$ -DQPSK(EDR 2Mbps), 8-DPSK(EDR 3Mbps))
Bluetooth Version:	2.1+EDR

NOTE1:The EUT is a DECT Base station, it contains Bluetooth Module operating at 2.4GHz ISM band; the frequencies allocated for the Bluetooth Module is $F(\text{MHz})=2402+1*n$ ($0 \leq n \leq 78$). The lowest, middle, highest channel numbers of the Bluetooth Module used and tested in this report are separately 0 (2402MHz), 39 (2441MHz) and 78 (2480MHz).

For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

NOTE2: Both Bluetooth and DECT actively transmitting at the same time

1.2.1 Identification of all used EUTs

The EUT identity consists of numerical and letter characters, the letter character indicates the test sample, and the following two numerical characters indicate the software version of the test sample.

EUT Identity	Hardware Version	Software Version
A01	28-04580	3.18.0



1.3 Test Standards and Results

The objective of the report is to perform testing according to 47 CFR Part 15 Subpart C (Bluetooth, 2.4GHz ISM band radiators) for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 15 (10-1-13 Edition)	Radio Frequency Devices

Test detailed items/section required by FCC rules and results are as below:

No.	Section in CFR 47	Description	Test Date	Result
1	15.203, RSS-GEN, 8.3	Antenna Requirement	N.A	<u>PASS</u>
2	15.209,15.247(d) RSS-247, 5.5, RSS-GEN,6.13&8.9	Radiated Emission	Dec 18, 2015	<u>PASS</u>

NOTE: The tests were performed according to the method of measurements prescribed in DA-00-705, ANSI C63.4-2009 and ANSI C63.10-2009.

1.3.1 Test Environment Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15 - 35
Relative Humidity (%):	30 -60
Atmospheric Pressure (kPa):	86-106



2. 47 CFR PART 15C REQUIREMENTS

2.1 Antenna requirement

2.1.1 Applicable Standard

According to FCC 15.203 and RSS-GEN, 8.3, 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 shall be considered sufficient to comply with the provisions of this section.

2.1.2 Result: Compliant

The EUT has a permanently and irreplaceable attached antenna. Please refer to the EUT internal photos.

2.2 Radiated Emission

2.2.1 Requirement

According to FCC section 15.247(d) and Section 8.9 of RSS-GEN, radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

According to FCC section 15.209 (a) and Section 8.9 of RSS-GEN, except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note:

1. For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.
2. For above 1000MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK)

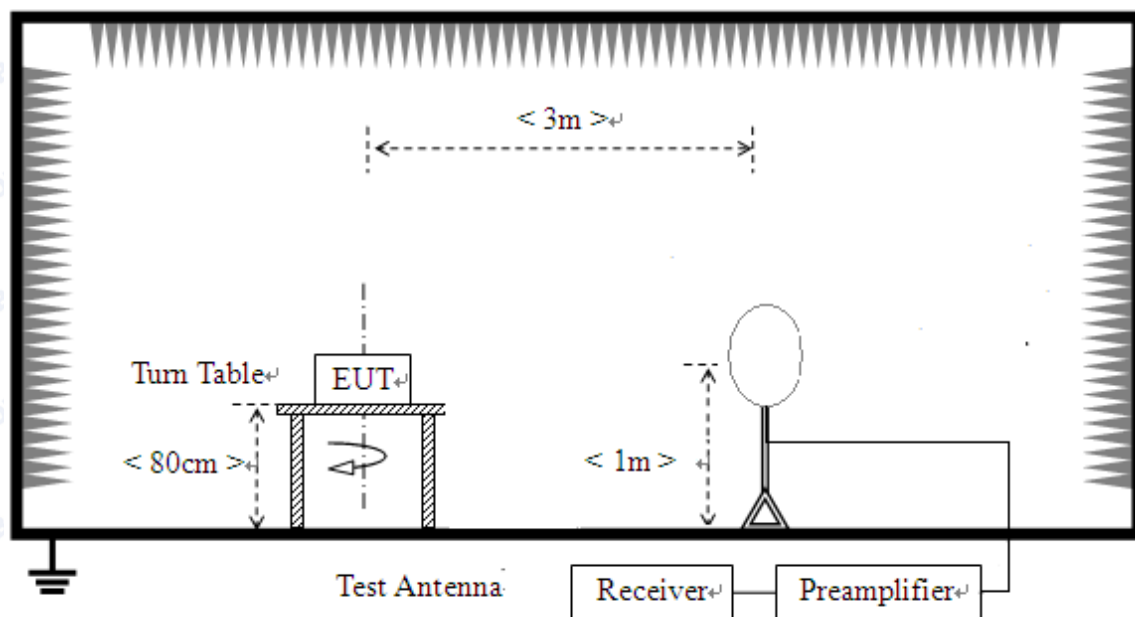
In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a),

also should comply with the radiated emission limits specified in Section 15.209(a)(above table)

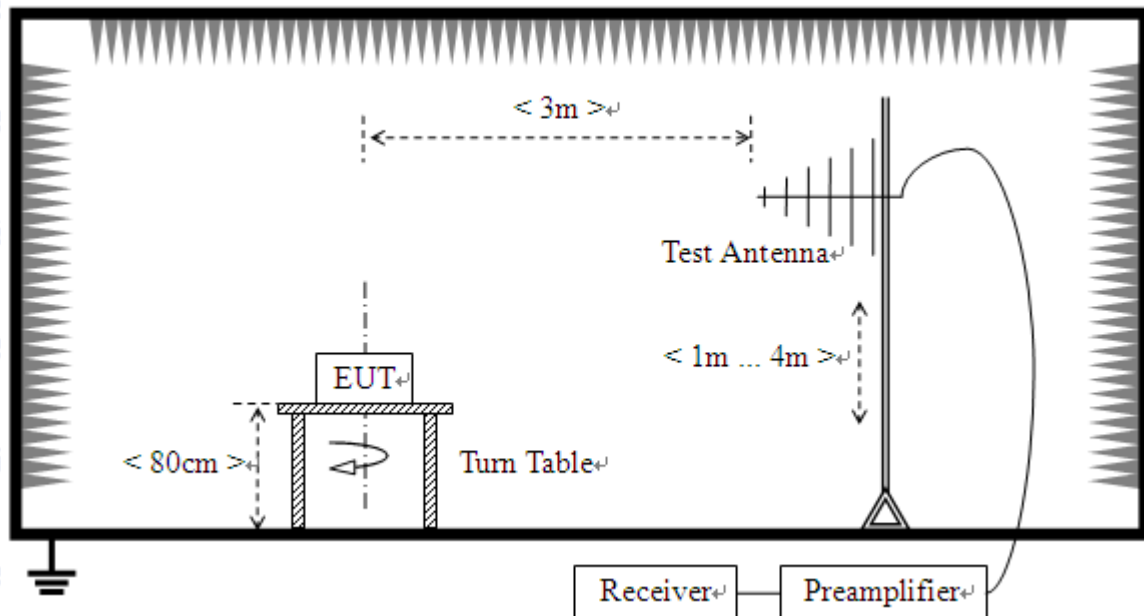
2.2.2 Test Description

A. Test Setup:

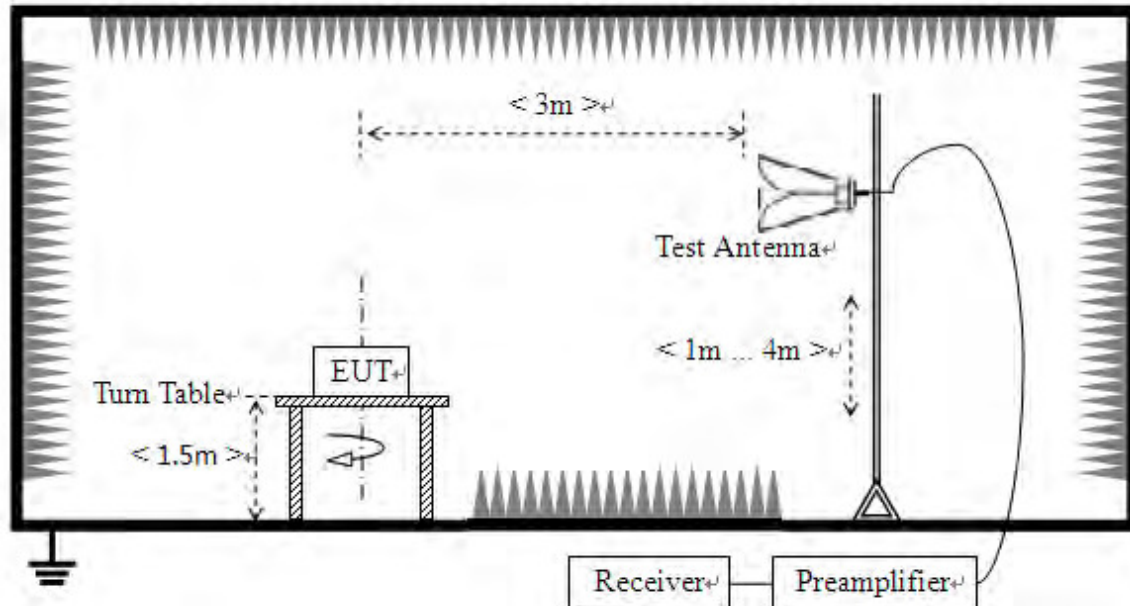
- 1) For radiated emissions from 9kHz to 30MHz



- 2) For radiated emissions from 30MHz to 1GHz



3) For radiated emissions above 1GHz



The test site semi-anechoic chamber has met the requirement of NSA tolerance 4dB according to the standards: ANSI C63.4 (2009). For radiated emissions below or equal to 1GHz, The EUT was set-up on insulator 80cm above the Ground Plane, For radiated emissions above 1GHz, The EUT was set-up on insulator 150cm above the Ground Plane. The set-up and test methods were



according to ANSI C63.4.

The EUT is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading.

For the Test Antenna:

- (a) In the frequency range of 9kHz to 30MHz, magnetic field is measured with Loop Test Antenna. The Test Antenna is positioned with its plane vertical at 1m distance from the EUT. The center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates about its vertical axis for maximum response at each azimuth about the EUT.
- (b) In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength. The emission levels at both horizontal and vertical polarizations should be tested.

**B. Equipments List:**

Please reference ANNEX A(1.4).

2.2.3 Test Procedure

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

2.2.4 Test Result

According to ANSI C63.4 selection 4.2.2, because of peak detection will yield amplitudes equal to or greater than amplitudes measured with the quasi-peak (or average) detector, the measurement data from a spectrum analyzer peak detector will represent the worst-case results, if the peak measured value complies with the quasi-peak limit, it is unnecessary to perform an quasi-peak measurement.

The measurement results are obtained as below:

$$E [\text{dB}\mu\text{V/m}] = U_R + A_T + A_{\text{Factor}} [\text{dB}]; A_T = L_{\text{Cable loss}} [\text{dB}] - G_{\text{preamp}} [\text{dB}]$$

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

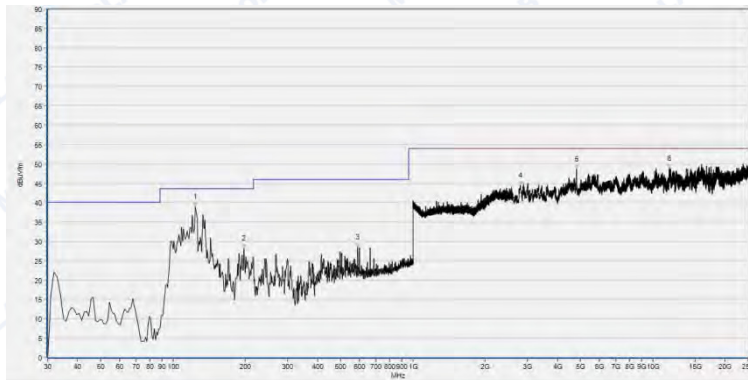
G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

During the test, the total correction Factor A_T and A_{Factor} were built in test software.

Note: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

The low frequency, which started from 9KHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

**2.2.4.1 GFSK Mode:****A. Test Plots for the Whole Measurement Frequency Range:**Plots for Channel = 0

Fre.(MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
124.184	38.92	N.A	N.A	N.A	43.50	N.A	Horizontal	PASS
197.007	28.24	N.A	N.A	N.A	43.50	N.A	Horizontal	PASS
589.279	28.55	N.A	N.A	N.A	46.00	N.A	Horizontal	PASS
2797.900	44.36	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS
4803.034	48.65	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS
11729.522	48.70	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS

(30MHz to 25GHz, Antenna Horizontal @ GFSK, channel 0)



Fre.(MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
117.387	32.41	N.A	N.A	N.A	43.50	N.A	Vertical	PASS
414.505	30.56	N.A	N.A	N.A	46.00	N.A	Vertical	PASS
1921.461	49.79	N.A	N.A	74.0	N.A	54.0	Vertical	N.A
4803.034	53.73	N.A	N.A	74.0	N.A	54.0	Vertical	PASS
12211.202	49.47	N.A	N.A	74.0	N.A	54.0	Vertical	PASS

(30MHz to 25GHz, Antenna Vertical @ GFSK, channel 0)



Plot for Channel = 39



Fre.(MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
111.562	31.38	N.A	N.A	N.A	43.50	N.A	Horizontal	PASS
235.846	22.30	N.A	N.A	N.A	46.00	N.A	Horizontal	PASS
663.073	26.98	N.A	N.A	N.A	46.00	N.A	Horizontal	PASS
1921.461	44.45	N.A	N.A	74.0	N.A	54.0	Horizontal	N.A
4881.447	48.65	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS
12663.011	48.50	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS

(30MHz to 25GHz, Antenna Horizontal @ GFSK, channel 39)



Fre. (MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
113.504	30.80	N.A	N.A	N.A	43.50	N.A	Vertical	PASS
414.505	28.10	N.A	N.A	N.A	46.00	N.A	Vertical	PASS
1921.961	45.28	N.A	N.A	74.0	N.A	54.0	Vertical	N.A
4881.447	51.04	N.A	N.A	74.0	N.A	54.0	Vertical	PASS
14436.639	49.61	N.A	N.A	74.0	N.A	54.0	Vertical	PASS

(30MHz to 25GHz, Antenna Vertical @ GFSK, channel 39)



Plot for Channel = 78



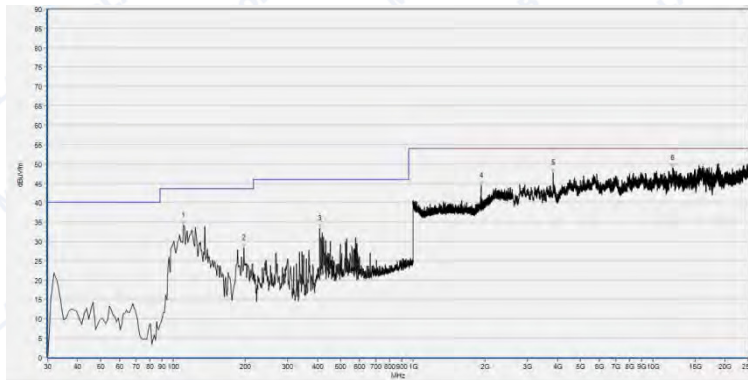
Fre.(MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
118.358	29.53	N.A	N.A	N.A	43.50	N.A	Horizontal	PASS
267.888	23.96	N.A	N.A	N.A	46.00	N.A	Horizontal	PASS
497.037	26.37	N.A	N.A	N.A	46.00	N.A	Horizontal	PASS
1923.962	44.84	N.A	N.A	74.0	N.A	54.0	Horizontal	N.A
3843.407	51.00	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS
4959.860	46.27	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS

(30MHz to 25GHz, Antenna Horizontal @ GFSK, channel 78)



Fre.(MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
63.013	21.58	N.A	N.A	N.A	40.00	N.A	Vertical	PASS
114.474	31.66	N.A	N.A	N.A	43.50	N.A	Vertical	PASS
410.621	36.81	N.A	N.A	N.A	46.00	N.A	Vertical	PASS
1921.461	48.03	N.A	N.A	74.0	N.A	54.0	Vertical	N.A
4959.860	48.46	N.A	N.A	74.0	N.A	54.0	Vertical	PASS
8406.301	48.54	N.A	N.A	74.0	N.A	54.0	Vertical	PASS

(30MHz to 25GHz, Antenna Vertical @ GFSK, channel 78)

**2.2.4.2 $\pi/4$ -DQPSK Mode:****B. Test Plots for the Whole Measurement Frequency Range:**Plots for Channel = 0

Fre. (MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
110.591	34.18	N.A	N.A	N.A	43.50	N.A	Horizontal	PASS
197.007	28.38	N.A	N.A	N.A	43.50	N.A	Horizontal	PASS
409.650	33.37	N.A	N.A	N.A	46.00	N.A	Horizontal	PASS
1921.961	44.34	N.A	N.A	74.0	N.A	54.0	Horizontal	N.A
3843.407	47.74	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS
12117.853	49.00	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS

(30MHz to 25GHz, Antenna Horizontal @ $\pi/4$ -DQPSK, channel 0)

Fre.(MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
97.968	27.11	N.A	N.A	N.A	43.50	N.A	Vertical	PASS
204.775	22.66	N.A	N.A	N.A	43.50	N.A	Vertical	PASS
414.505	28.20	N.A	N.A	N.A	46.00	N.A	Vertical	PASS
1922.461	42.51	N.A	N.A	74.0	N.A	54.0	Vertical	N.A
4803.034	54.46	N.A	N.A	74.0	N.A	54.0	Vertical	PASS
12188.798	48.79	N.A	N.A	74.0	N.A	54.0	Vertical	PASS

(30MHz to 25GHz, Antenna Vertical @ $\pi/4$ -DQPSK, channel 0)



Plot for Channel = 39



Fre. (MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
98.939	32.65	N.A	N.A	N.A	43.50	N.A	Horizontal	PASS
197.978	26.02	N.A	N.A	N.A	43.50	N.A	Horizontal	PASS
410.621	27.19	N.A	N.A	N.A	46.00	N.A	Horizontal	PASS
2186.787	42.95	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS
4881.447	47.26	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS
7625.904	47.50	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS

(30MHz to 25GHz, Antenna Horizontal @ $\pi/4$ -DQPSK, channel 39)

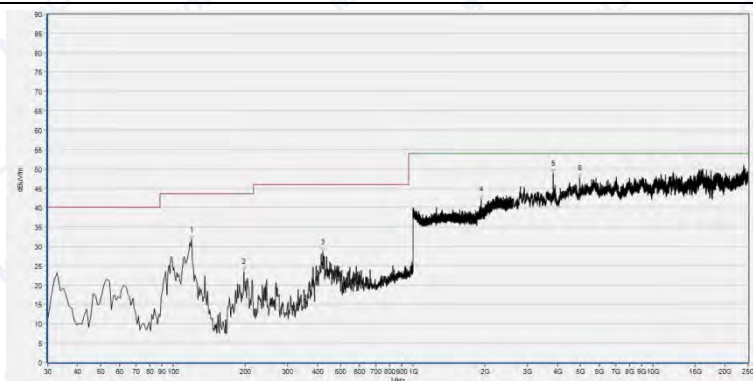


Fre.(MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
113.504	29.43	N.A	N.A	N.A	43.50	N.A	Vertical	PASS
235.846	22.30	N.A	N.A	N.A	46.00	N.A	Vertical	PASS
425.185	28.03	N.A	N.A	N.A	46.00	N.A	Vertical	PASS
1922.461	43.80	N.A	N.A	74.0	N.A	54.0	Vertical	N.A
3843.407	46.53	N.A	N.A	74.0	N.A	54.0	Vertical	PASS
4881.447	51.31	N.A	N.A	74.0	N.A	54.0	Vertical	PASS

(30MHz to 25GHz, Antenna Vertical @ $\pi/4$ -DQPSK, channel 39)



Plot for Channel = 78

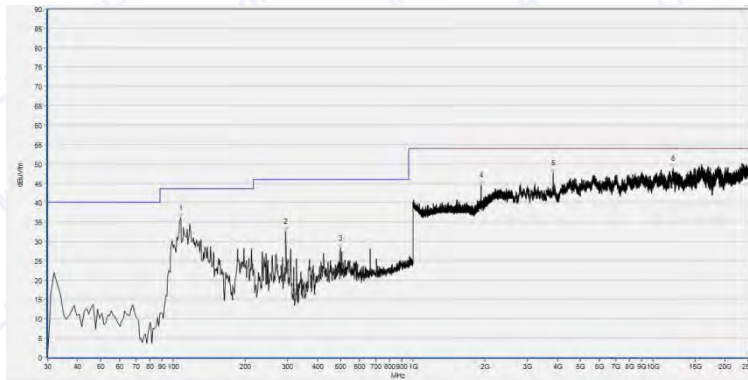


Fre.(MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
43.50	31.60	N.A	N.A	N.A	43.50	N.A	Horizontal	PASS
43.50	23.42	N.A	N.A	N.A	43.50	N.A	Horizontal	PASS
422.272	28.46	N.A	N.A	N.A	46.00	N.A	Horizontal	PASS
1921.461	42.10	N.A	N.A	74.0	N.A	54.0	Horizontal	N.A
3847.141	48.70	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS
4959.860	47.61	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS

(30MHz to 25GHz, Antenna Horizontal @ $\pi/4$ -DQPSK, channel 78)

Fre.(MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
53.303	24.80	N.A	N.A	N.A	40.00	N.A	Vertical	PASS
112.533	28.67	N.A	N.A	N.A	43.50	N.A	Vertical	PASS
408.679	28.25	N.A	N.A	N.A	46.00	N.A	Vertical	PASS
1921.961	42.47	N.A	N.A	74.0	N.A	54.0	Vertical	N.A
4959.860	50.05	N.A	N.A	74.0	N.A	54.0	Vertical	PASS
11684.714	47.41	N.A	N.A	74.0	N.A	54.0	Vertical	PASS

(30MHz to 25GHz, Antenna Vertical @ $\pi/4$ -DQPSK, channel 78)

**2.2.4.3 8-DPSK Mode:****C. Test Plots for the Whole Measurement Frequency Range:**Plots for Channel = 0

Fre.(MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
107.678	35.96	N.A	N.A	N.A	43.50	N.A	Horizontal	PASS
295.075	32.56	N.A	N.A	N.A	46.00	N.A	Horizontal	PASS
498.008	28.22	N.A	N.A	N.A	46.00	N.A	Horizontal	PASS
1921.961	44.36	N.A	N.A	74.0	N.A	54.0	Horizontal	N.A
3843.407	47.52	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS
12185.064	48.74	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS

(30MHz to 25GHz, Antenna Horizontal @8-DPSK, channel 0)



Fre.(MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
110.591	29.99	N.A	N.A	N.A	43.50	N.A	Vertical	PASS
197.007	22.35	N.A	N.A	N.A	43.50	N.A	Vertical	PASS
414.505	28.65	N.A	N.A	N.A	46.00	N.A	Vertical	PASS
1921.961	47.01	N.A	N.A	74.0	N.A	54.0	Vertical	N.A
3847.141	50.13	N.A	N.A	74.0	N.A	54.0	Vertical	PASS
4803.034	51.10	N.A	N.A	74.0	N.A	54.0	Vertical	PASS

(30MHz to 25GHz, Antenna Vertical @8-DPSK, channel 0)



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Fre.(MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
130.981	30.46	N.A	N.A	N.A	43.50	N.A	Horizontal	PASS
267.888	23.83	N.A	N.A	N.A	46.00	N.A	Horizontal	PASS
418.388	25.24	N.A	N.A	N.A	46.00	N.A	Horizontal	PASS
2164.565	43.03	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS
3843.407	47.76	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS
5628.238	47.80	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS

(30MHz to 25GHz, Antenna Horizontal @8-DPSK, channel 39)



Fre.(MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
113.504	30.66	N.A	N.A	N.A	43.50	N.A	Vertical	PASS
197.007	19.83	N.A	N.A	N.A	43.50	N.A	Vertical	PASS
426.156	27.53	N.A	N.A	N.A	46.00	N.A	Vertical	PASS
1921.961	47.64	N.A	N.A	74.0	N.A	54.0	Vertical	N.A
2794.166	44.95	N.A	N.A	74.0	N.A	54.0	Vertical	PASS
4881.447	51.42	N.A	N.A	74.0	N.A	54.0	Vertical	PASS

(30MHz to 25GHz, Antenna Vertical @8-DPSK, channel 39)



Plot for Channel = 78



Fre.(MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
111.562	34.02	N.A	N.A	N.A	43.50	N.A	Horizontal	PASS
197.007	28.31	N.A	N.A	N.A	43.50	N.A	Horizontal	PASS
497.037	32.51	N.A	N.A	N.A	46.00	N.A	Horizontal	PASS
1921.461	43.53	N.A	N.A	74.0	N.A	54.0	Horizontal	N.A
4959.860	46.55	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS
10321.820	47.45	N.A	N.A	74.0	N.A	54.0	Horizontal	PASS

(30MHz to 25GHz, Antenna Horizontal @8-DPSK, channel 78)



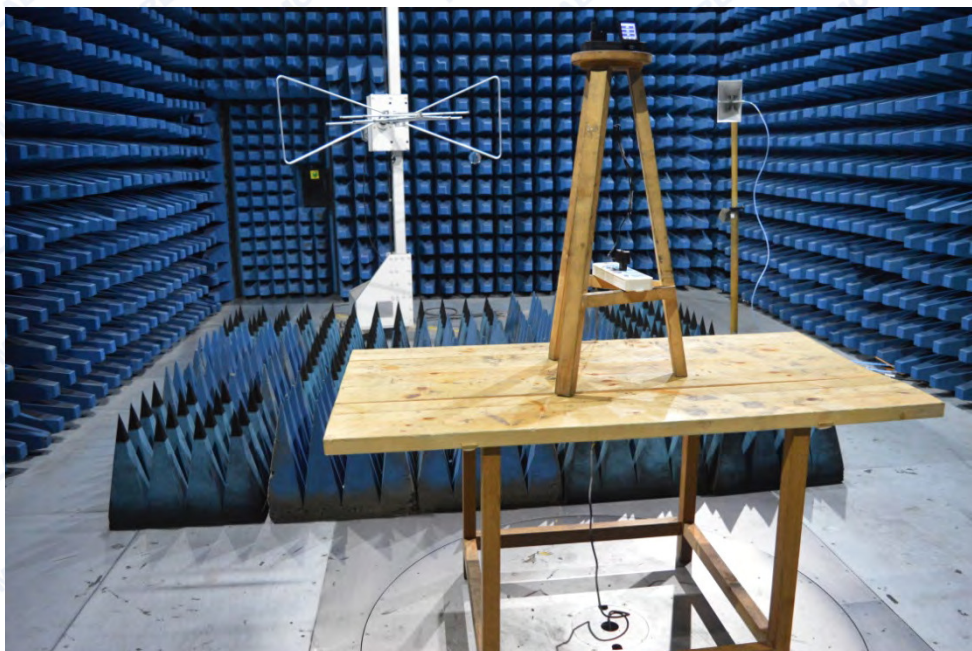
Fre.(MHz)	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	Antenna	Verdict
52.332	27.21	N.A	N.A	N.A	40.00	N.A	Vertical	PASS
109.620	30.66	N.A	N.A	N.A	43.50	N.A	Vertical	PASS
498.008	30.43	N.A	N.A	N.A	46.00	N.A	Vertical	PASS
1921.961	47.65	N.A	N.A	74.0	N.A	54.0	Vertical	N.A
4959.860	50.26	N.A	N.A	74.0	N.A	54.0	Vertical	PASS
14914.586	49.75	N.A	N.A	74.0	N.A	54.0	Vertical	PASS

(30MHz to 25GHz, Antenna Vertical @8-DPSK, channel 78)



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ANNEX A TEST PHOTO





ANNEX B GENERAL INFORMATION

1.1 Identification of the Responsible Testing Laboratory

Company Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Department:	Morlab Laboratory
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Responsible Test Lab Manager:	Mr. Su Feng
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

1.2 Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

1.3 Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.1, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10 2009, ANSI C63.4 2009 and CISPR Publication 22; the FCC registration number is 695796.



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1.4 Test Equipments Utilized**1.4.1 Conducted Test Equipments****Conducted Test Equipment**

No.	Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
1	System Simulator	6K00006210	MT8852B	Anritsu	2015.02.26	2016.02.25
2	Spectrum Analyzer	MY45101810	E4407B	Agilent	2015.02.26	2016.02.25
3	Power Splitter	NW521	1506A	Weinschel	2015.02.26	2016.02.25
4	Attenuator 1	(n.a.)	10dB	Resnet	2015.02.26	2016.02.25
5	Attenuator 2	(n.a.)	3dB	Resnet	2015.02.26	2016.02.25
6	EXA Signal Analyzer	MY51440152	N9010A	Agilent	2015.02.26	2016.02.25
7	RF cable	CB01	RF01	Morlab	N/A	N/A
8	Coaxial cable	CB02	RF02	Morlab	N/A	N/A
9	SMA connector	CN01	RF03	HUBER-SUHNER	N/A	N/A

1.4.2 Conducted Emission Test Equipments**Conducted Emission Test Equipments**

No.	Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
1	Receiver	US44210471	E7405A	Agilent	2015.02.26	2016.02.25
2	LISN	812744	NSLK 8127	Schwarzbeck	2015.02.26	2016.02.25
3	Service Supplier	100448	CMU200	R&S	2015.02.26	2016.02.25
4	Pulse Limiter (20dB)	9391	VTSD 9561-D	Schwarzbeck	2015.02.26	2016.02.25
5	Coaxial cable(BNC)	CB01	EMC01	Morlab	N/A	N/A



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1.4.3 Radiated Test Equipments

Radiated Test Equipments

No.	Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal.Due Date
1	System Simulator	100448	CMU200	R&S	2015.02.26	2016.02.25
2	Receiver	US44210471	E7405A	Agilent	2015.02.26	2016.02.25
3	Test Antenna - Bi-Log	9163-274	9m*6m*6m	Albatross	2015.02.26	2016.02.25
4	Test Antenna - Horn	9120D-963	VULB 9163	Schwarzbeck	2015.02.26	2016.02.25
5	Test Antenna - Horn	71688	BBHA 9120D	Schwarzbeck	2015.02.26	2016.02.25
6	Test Antenna - Loop	1519-022	HL050S7	R&S	2015.02.26	2016.02.25
7	Reject Filter	(n.a.)	BRM50702	Micro-Tronics	2015.02.26	2016.02.25
8	Coaxial cable (N male)	CB02	EMC02	Morlab	N/A	N/A
9	Coaxial cable (N male)	CB03	EMC03	Morlab	N/A	N/A

1.4.4 Climate Chamber

Climate Chamber

No.	Equipment Name	Serial No.	Type	Manufacturer	Cal.Date	Cal.Due Date
1	Climate Chamber	2004012	HL4003T	Yinhe	2015.02.26	2016.02.25

1.4.5 Vibration Table

Vibration Table

No.	Equipment Name	Serial No.	Type	Manufacturer	Cal.Date	Cal.Due Date
1	Vibration Table	N/A	ACT2000- S015L	CMI-COM	2015.02.26	2016.02.25

1.4.6 Anechoic Chamber

Anechoic Chamber

No.	Equipment Name	Serial No.	Type	Manufacturer	Cal.Date	Cal.Due Date
1	Anechoic Chamber	N/A	9m*6m*6m	Albatross	2015.02.26	2016.02.25

***** END OF REPORT *****