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LTE RADIO TEST REPORT

Report No: STS2101178W02

Issued for

SOURCENEXT CORPORATION

Shiodome City Center 33F, 1-5-2 Higashi Shinbashi
Minato-ku, Tokyo 105-7133, Japan

Product Name:	POCKETALK
Brand Name:	POCKETALK
Model Name:	W1PGK
Series Model:	W1PGG,W1PGW,W1PWG,W1PWK, W1PWW,W1PGR,W1PGP
FCC ID:	2AOJA-W1P
Test Standard:	47 CFR Part 2, 24(E)

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Shenzhen STS Test Services Co., Ltd.

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**TEST RESULT CERTIFICATION**

Applicant's name..... : SOURCENEXT CORPORATION
Address..... : Shiodome City Center 33F, 1-5-2 Higashi Shinbashi Minato-ku,
Tokyo 105-7133, Japan
Manufacture's Name..... : JENESIS(SHENZHEN)CO.,LTD
Address..... : No.401-1, Building2, Runheng High-Tech Industrial Park, Liuxian
3rd Road No.1, XingDong, Xinan Avenue, Bao'an District, Shen-
zhen, China

Product description

Product Name : POCKETALK
Brand Name : POCKETALK
Model Name..... : W1PGK
Series Model : W1PGG,W1PGW,W1PWG,W1PWK,W1PWW,W1PGR,W1PGP
Test Standards..... : 47 CFR Part 2, 24(E)

Test procedure.....: KDB 971168 D01 v03r01 , ANSI C63.26 2015

This device described above has been tested by STS and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test.....

Date of performance of tests..... 24 Jan. 2021~04 Feb. 2021

Date of Issue..... 04 Feb. 2021

Test Result **Pass**

Testing Engineer :

(Chris Chen)

Technical Manager :

(Sean She)

Authorized Signatory :

(Vita Li)





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**Revision History**

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	04 Feb. 2021	STS2101178W02	ALL	Initial Issue





1. TEST FACTORY & MEASUREMENT UNCERTAINTY

1.1 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ, Fuyong Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended 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	RF output power, conducted	$\pm 0.68\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.988\text{dB}$
3	All emissions, radiated 30-1GHz	$\pm 4.39\text{dB}$
4	All emissions, radiated 1G-6GHz	$\pm 5.10\text{dB}$
5	All emissions, radiated >6G	$\pm 5.48\text{dB}$
6	Conducted Emission (9KHz-150KHz)	$\pm 2.79\text{dB}$
7	Conducted Emission (150KHz-30MHz)	$\pm 2.80\text{dB}$



2. GENERAL INFORMATION

2.1 TECHNICAL SPECIFICATIONS AND REGULATIONS

2.1.1 PRODUCT DESCRIPTION

A major technical description of EUT is described as following:

Product Name:	POCKETALK
Trade Name	POCKETALK
Model Name	W1PGK
Series Model	W1PGG,W1PGW,W1PWG,W1PWK,W1PWW,W1PGR,W1PGP
Model Difference	The structure of the circuit is the same, only the name of the model is different
Frequency Bands:	U.S. Bands: ☒ LTE FDD Band 2
SIM CARD:	Only support single SIM Card.
Antenna:	PIFA Antenna
Antenna gain:	LTE Band 2: 0dBi
Power Supply:	DC 3.7V by battery
Battery parameter:	Capacity: 2200mAh, Rated Voltage: 3.7V
Extreme Vol. Limits:	DC 3.33 V to 4.07 V (Nominal DC3.7V)
Extreme Temp. Tolerance:	-30°C to +50°C
Hardware version number:	PT2_MB_V1.0
Software version number:	3.1.2



2.1.2 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD

Product Specification Subjective To This Standard	
Tx Frequency	LTE Band 2:1850~1910MHz
Rx Frequency	LTE Band 2:1930 ~1990MHz
Bandwidth	LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power Limit	LTE Band 2 : 22.24 dBm
Type of Modulation	QPSK / 16QAM

2.1.3 EMISSION DESIGNATOR

LTE Band 2 BW(MHz)	Emission Designator (26dBc)QPSK	Emission Designator (26dBc)16QAM
1.4	1M47G7D	1M47W7D
3	2M98G7D	2M87W7D
5	5M03G7D	5M15W7D
10	10M2G7D	9M90W7D
15	15M1G7D	15M1W7D
20	19M9G7D	19M7W7D



2.1.4 TEST CONFIGURATION OF EQUIPMENT UNDER TEST

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 v03r01 and ANSI C63.26 2015 Power Meas. License Digital Systems with maximum output power. Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

Remark:

1. The mark "v" means that this configuration is chosen for testing
2. The mark "-" means that this bandwidth is not supported.
3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated

ITEMS	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak&Avera Ratio	2						v	v	v	v		v	v	v	v
26dB&99% Bandwidth	2	v	v	v	v	v	v	v	v			v	v	v	v
Conducted Band Edge	2	v	v	v	v	v	v	v	v	v		v	v	v	v
Conducted Spurious Emission	2	v	v	v	v	v	v	v	v	v			v	v	v
Frequency Stability	2				v			v				v		v	
E.R.P.& E.I.R.P.	2	v	v	v	v	v	v	v	v	v			v	v	v
Radiated Spurious Emission	2	v	v	v	v	v	v	v		v			v	v	v



2.1.5 RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for filing to comply with the 47 CFR Part 2, 24(E)

2.1.6 SPECIAL ACCESSORIES

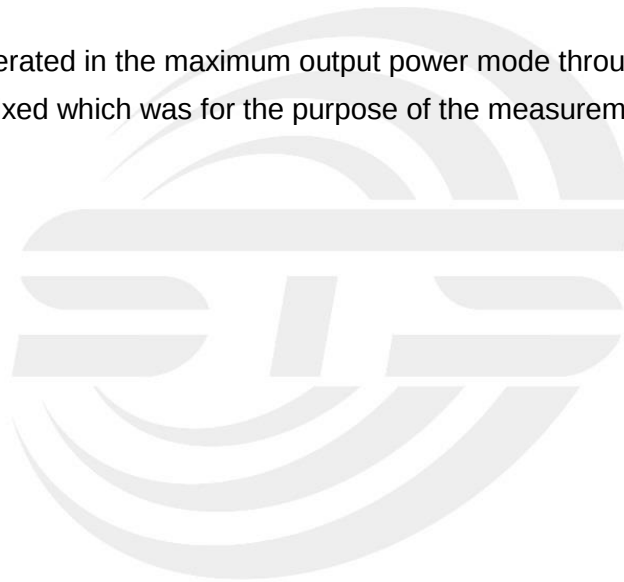
The battery and the charger, earphone supplied by the applicant were used as accessories and being tested with eut intended for fcc grant together.

2.1.7 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.1.8 EUT EXERCISE

The Transmitter was operated in the maximum output power mode through Communication Tester. The TX frequency was fixed which was for the purpose of the measurements.





2.1.9 CONFIGURATION OF EUT SYSTEM

The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

E-1
EUT

Table 2-1 Equipment Used in EUT System

Item	Equipment	Model No.	Serial No.	Note
N/A	N/A	N/A	N/A	N/A

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.



2.1.10 MEASUREMENT INSTRUMENTS

The radiated emission testing was performed according to the procedures of ANSI C63.26 2015 and FCC CFR 47 rules of 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055, 2.1057.

Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2020.10.12	2021.10.11
Signal Analyzer	R&S	FSV 40-N	101823	2020.10.10	2021.10.09
Signal Generator	Agilent	83752A	3610A02740	2020.10.10	2021.10.09
Wireless Communications Test Set	R&S	CMW 500	133884	2020.03.05	2021.03.04
Bilog Antenna	TESEQ	CBL6111D	34678	2020.10.12	2022.10.11
Horn Antenna	SCHWARZBECK	BBHA 9120D	02014	2019.10.15	2021.10.14
Bilog Antenna	TESEQ	CBL6111D	45873	2020.10.12	2022.10.11
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1343	2020.10.12	2022.10.11
SHF-EHF Horn Antenna (18G-40GHz)	A-INFO	LB-180400-KF	J211020657	2020.10.12	2022.10.11
Pre-Amplifier(0.1M-3GHz)	EM	EM330	060665	2020.10.12	2021.10.11
Pre-Amplifier (1G-18GHz)	SKET	LNPA-01018G-45	SK2018080901	2020.10.12	2021.10.11
Pre-Amplifier (18G-40GHz)	SKET	LNPA-1840-50	SK2018101801	2020.10.10	2021.10.09
Turn table	EM	SC100_1	60531	N/A	N/A
Antenna mast	EM	SC100	N/A	N/A	N/A
Test SW	BULUN	BL410-E/18.905			

RF Connected Test

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Universal Radio communication tester	R&S	CMU200	119907	2020.10.12	2021.10.11
Wireless Communications Test Set	R&S	CMW 500	133884	2020.03.05	2021.03.04
Signal Analyzer	Agilent	N9020A	MY52440124	2020.03.05	2021.03.04
Temperature& Humidity test chamber	Safety test	AG80L	171200018	2020.03.05	2021.03.04
Programmable power supply	Agilent	E3642A	MY40002025	2020.10.12	2021.10.11
Temperature & Humidity	SW-108	SuWei	N/A	2020.03.07	2021.03.06
Test SW	FARAD	LZ-RF /LzRf-3A3			



2. 1.11 MEASUREMENT RESULTS EXPLANATION EXAMPLE

For all conducted test items:

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

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

Offset = RF Cable Loss + Attenuator Factor.





3. RADIATED SPURIOUS EMISSION

3.1 DESCRIPTION OF RADIATED SPURIOUS EMISSION

3.1.1 MEASUREMENT METHOD

The radiated spurious emission was measured by substitution method according to ANSI C63.26 2015 . The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. For Band 7 The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB. For Band. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.1.2 Test Setup

The procedure of radiated spurious emissions is as follows:

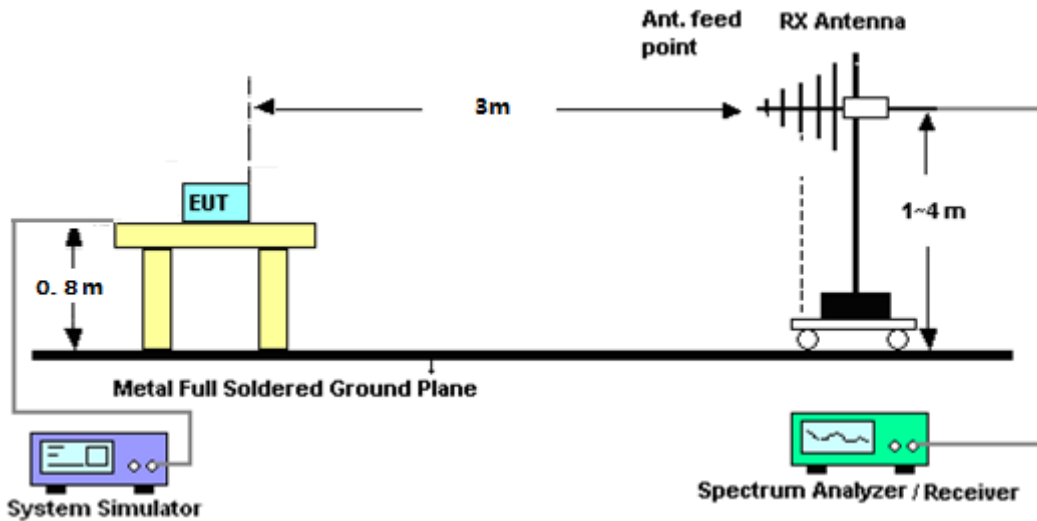
a) Pre-calibration With pre-calibration method, the Radiated Spurious Emissions(RSE) is calculated as, $RSE = Rx \text{ (dBuV)} + CL \text{ (dB)} + SA \text{ (dB)} + Gain \text{ (dBi)} - 107 \text{ (dBuV to dBm)}$ The SA is calibrated using following setup.

b) EUT was placed on a 1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the test item for emission measurements. The height of receiving antenna is 0.8m. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the test item and adjusting the receiving antenna polarization. The radiated emission measurements of all non-harmonic and harmonics of the transmit frequency through the 10th harmonic were measured with peak detector and 1MHz bandwidth.

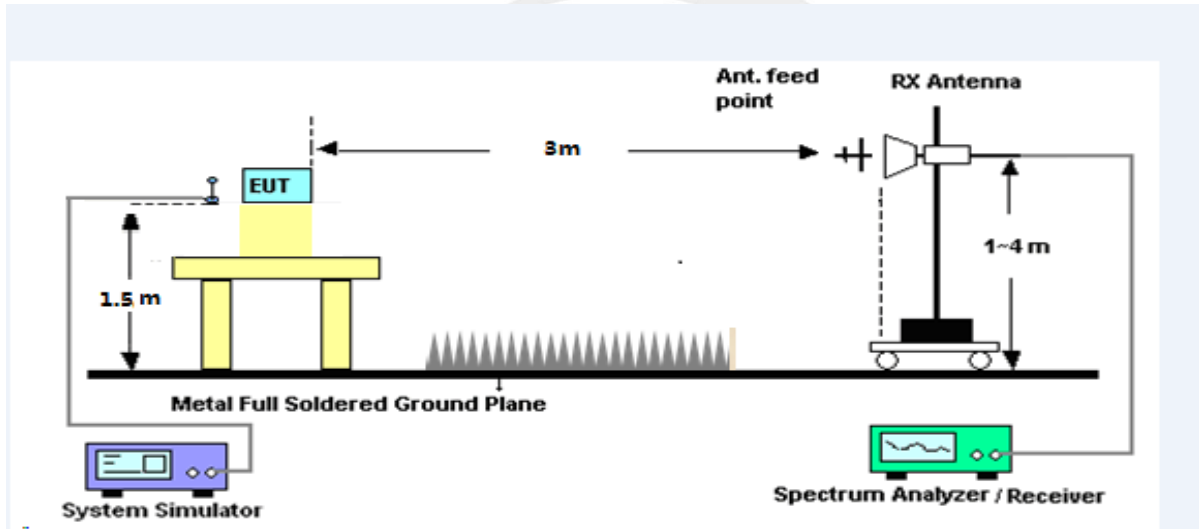
Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of any band into any of the other blocks.

The substitution method is used. Substitution values at each frequency are measured before and saved to the test software. A "reference path loss" is established and the ARpl is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss and the air loss. The measurement results are obtained as described below: $Power = P_{Mea} + AR_{pl}$

For radiated test from 30MHz to 1GHz



For radiated test from above 1GHz



3.1.3 TEST PROCEDURES

1. The testing FCC KDB 971168 D01 Section 5.8 and ANSI C63.26 2015 Section 5.5.
2. The EUT was placed on a rotatable wooden table with 0.8 meter above ground.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.



9. Taking the record of output power at antenna port.
10. Repeat step 7 to step 8 for another polarization.
11. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$

$$= -13\text{dBm}$$

For Band 7:

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= [30 + 10\log(P)] \text{ (dBm)} - [55 + 10\log(P)] \text{ (dB)}$$

$$= -25\text{dBm}$$

$P_{Mea} = S.G \text{ Level} + \text{Ant-Cable loss}$; $\text{Margin} = P_{Mea} - \text{Limit}$.





3.1.4 TEST RESULTS

Note: (1) Spurious emissions which are attenuated by more than 20dB below the permissible value for frequency below 1000MHz.

(2) Test is divided into three directions, X/Y/Z. X pattern for the worst.

LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3703.59	-34.70	12.60	12.93	-35.03	-13.00	-22.03	H
5557.10	-35.25	13.10	17.11	-39.26	-13.00	-26.26	H
7409.77	-32.35	11.50	22.20	-43.05	-13.00	-30.05	H
3703.59	-34.89	12.60	12.93	-35.22	-13.00	-22.22	V
5557.10	-34.77	13.10	17.11	-38.78	-13.00	-25.78	V
7409.77	-32.02	11.50	22.20	-42.72	-13.00	-29.72	V
LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3759.96	-34.79	12.60	12.93	-35.12	-13.00	-22.12	H
5639.53	-34.50	13.10	17.11	-38.51	-13.00	-25.51	H
7519.86	-33.63	11.50	22.20	-44.33	-13.00	-31.33	H
3759.96	-34.58	12.60	12.93	-34.91	-13.00	-21.91	V
5639.53	-34.35	13.10	17.11	-38.36	-13.00	-25.36	V
7519.86	-32.96	11.50	22.20	-43.66	-13.00	-30.66	V
LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3817.84	-34.38	12.60	12.93	-34.71	-13.00	-21.71	H
5727.62	-34.91	13.10	17.11	-38.92	-13.00	-25.92	H
7636.91	-33.02	11.50	22.20	-43.72	-13.00	-30.72	H
3817.84	-35.57	12.60	12.93	-35.90	-13.00	-22.90	V
5727.62	-34.76	13.10	17.11	-38.77	-13.00	-25.77	V
7636.91	-32.55	11.50	22.20	-43.25	-13.00	-30.25	V



LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
	G.Lev (dBm)			(dBm)	(dBm)	(dBm)	
3703.63	-33.82	12.60	12.93	-34.15	-13.00	-21.15	H
5557.22	-34.10	13.10	17.11	-38.11	-13.00	-25.11	H
7409.72	-32.86	11.50	22.20	-43.56	-13.00	-30.56	H
3703.63	-35.08	12.60	12.93	-35.41	-13.00	-22.41	V
5557.22	-34.74	13.10	17.11	-38.75	-13.00	-25.75	V
7409.72	-32.33	11.50	22.20	-43.03	-13.00	-30.03	V
LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
	G.Lev (dBm)			(dBm)	(dBm)	(dBm)	
3759.83	-34.06	12.60	12.93	-34.39	-13.00	-21.39	H
5639.83	-34.81	13.10	17.11	-38.82	-13.00	-25.82	H
7520.17	-33.32	11.50	22.20	-44.02	-13.00	-31.02	H
3759.83	-35.26	12.60	12.93	-35.59	-13.00	-22.59	V
5639.83	-34.52	13.10	17.11	-38.53	-13.00	-25.53	V
7520.17	-33.06	11.50	22.20	-43.76	-13.00	-30.76	V
LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
	G.Lev (dBm)			(dBm)	(dBm)	(dBm)	
3817.86	-34.55	12.60	12.93	-34.88	-13.00	-21.88	H
5727.19	-34.97	13.10	17.11	-38.98	-13.00	-25.98	H
7636.80	-32.48	11.50	22.20	-43.18	-13.00	-30.18	H
3817.86	-34.68	12.60	12.93	-35.01	-13.00	-22.01	V
5727.19	-35.00	13.10	17.11	-39.01	-13.00	-26.01	V
7636.80	-32.55	11.50	22.20	-43.25	-13.00	-30.25	V



LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
	G.Lev (dBm)			(dBm)	(dBm)	(dBm)	
3704.93	-34.65	12.60	12.93	-34.98	-13.00	-21.98	H
5557.76	-34.47	13.10	17.11	-38.48	-13.00	-25.48	H
7410.47	-33.30	11.50	22.20	-44.00	-13.00	-31.00	H
3704.93	-35.87	12.60	12.93	-36.20	-13.00	-23.20	V
5557.76	-33.92	13.10	17.11	-37.93	-13.00	-24.93	V
7410.47	-31.85	11.50	22.20	-42.55	-13.00	-29.55	V
LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
	G.Lev (dBm)			(dBm)	(dBm)	(dBm)	
3759.76	-33.97	12.60	12.93	-34.30	-13.00	-21.30	H
5639.69	-35.13	13.10	17.11	-39.14	-13.00	-26.14	H
7519.89	-32.41	11.50	22.20	-43.11	-13.00	-30.11	H
3759.76	-35.11	12.60	12.93	-35.44	-13.00	-22.44	V
5639.69	-34.94	13.10	17.11	-38.95	-13.00	-25.95	V
7519.89	-32.51	11.50	22.20	-43.21	-13.00	-30.21	V
LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
	G.Lev (dBm)			(dBm)	(dBm)	(dBm)	
3814.02	-34.74	12.60	12.93	-35.07	-13.00	-22.07	H
5721.34	-35.36	13.10	17.11	-39.37	-13.00	-26.37	H
7628.48	-33.35	11.50	22.20	-44.05	-13.00	-31.05	H
3814.02	-35.65	12.60	12.93	-35.98	-13.00	-22.98	V
5721.34	-33.94	13.10	17.11	-37.95	-13.00	-24.95	V
7628.48	-33.10	11.50	22.20	-43.80	-13.00	-30.80	V



LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
	G.Lev (dBm)			(dBm)	(dBm)	(dBm)	
3710.57	-34.06	12.60	12.93	-34.39	-13.00	-21.39	H
5565.85	-34.64	13.10	17.11	-38.65	-13.00	-25.65	H
7420.67	-32.25	11.50	22.20	-42.95	-13.00	-29.95	H
3710.57	-34.60	12.60	12.93	-34.93	-13.00	-21.93	V
5565.85	-33.87	13.10	17.11	-37.88	-13.00	-24.88	V
7420.67	-32.95	11.50	22.20	-43.65	-13.00	-30.65	V
LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
	G.Lev (dBm)			(dBm)	(dBm)	(dBm)	
3759.65	-34.92	12.60	12.93	-35.25	-13.00	-22.25	H
5639.73	-34.94	13.10	17.11	-38.95	-13.00	-25.95	H
7520.13	-32.35	11.50	22.20	-43.05	-13.00	-30.05	H
3759.65	-35.50	12.60	12.93	-35.83	-13.00	-22.83	V
5639.73	-34.42	13.10	17.11	-38.43	-13.00	-25.43	V
7520.13	-33.19	11.50	22.20	-43.89	-13.00	-30.89	V
LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
	G.Lev (dBm)			(dBm)	(dBm)	(dBm)	
3808.86	-34.28	12.60	12.93	-34.61	-13.00	-21.61	H
5713.54	-34.56	13.10	17.11	-38.57	-13.00	-25.57	H
7617.68	-32.60	11.50	22.20	-43.30	-13.00	-30.30	H
3808.86	-35.19	12.60	12.93	-35.52	-13.00	-22.52	V
5713.54	-34.88	13.10	17.11	-38.89	-13.00	-25.89	V
7617.68	-32.74	11.50	22.20	-43.44	-13.00	-30.44	V



LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
	G.Lev (dBm)			(dBm)	(dBm)	(dBm)	
3715.93	-34.51	12.60	12.93	-34.84	-13.00	-21.84	H
5573.98	-35.09	13.10	17.11	-39.10	-13.00	-26.10	H
7618.26	-33.11	11.50	22.20	-43.81	-13.00	-30.81	H
3715.93	-36.00	12.60	12.93	-36.33	-13.00	-23.33	V
5573.98	-35.15	13.10	17.11	-39.16	-13.00	-26.16	V
7618.26	-32.43	11.50	22.20	-43.13	-13.00	-30.13	V
LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
	G.Lev (dBm)			(dBm)	(dBm)	(dBm)	
3759.92	-34.39	12.60	12.93	-34.72	-13.00	-21.72	H
5639.50	-34.63	13.10	17.11	-38.64	-13.00	-25.64	H
7520.22	-32.88	11.50	22.20	-43.58	-13.00	-30.58	H
3759.92	-35.15	12.60	12.93	-35.48	-13.00	-22.48	V
5639.50	-34.27	13.10	17.11	-38.28	-13.00	-25.28	V
7520.22	-32.64	11.50	22.20	-43.34	-13.00	-30.34	V
LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
	G.Lev (dBm)			(dBm)	(dBm)	(dBm)	
3803.12	-33.88	12.60	12.93	-34.21	-13.00	-21.21	H
5704.96	-35.45	13.10	17.11	-39.46	-13.00	-26.46	H
7607.25	-33.32	11.50	22.20	-44.02	-13.00	-31.02	H
3803.12	-35.45	12.60	12.93	-35.78	-13.00	-22.78	V
5704.96	-35.12	13.10	17.11	-39.13	-13.00	-26.13	V
7607.25	-32.91	11.50	22.20	-43.61	-13.00	-30.61	V



LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
	G.Lev (dBm)			(dBm)	(dBm)	(dBm)	
3721.08	-34.33	12.60	12.93	-34.66	-13.00	-21.66	H
5581.04	-34.80	13.10	17.11	-38.81	-13.00	-25.81	H
7441.90	-33.09	11.50	22.20	-43.79	-13.00	-30.79	H
3721.08	-35.65	12.60	12.93	-35.98	-13.00	-22.98	V
5581.04	-34.06	13.10	17.11	-38.07	-13.00	-25.07	V
7441.90	-32.51	11.50	22.20	-43.21	-13.00	-30.21	V
LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
	G.Lev (dBm)			(dBm)	(dBm)	(dBm)	
3759.85	-34.53	12.60	12.93	-34.86	-13.00	-21.86	H
5639.46	-34.29	13.10	17.11	-38.30	-13.00	-25.30	H
7519.83	-32.56	11.50	22.20	-43.26	-13.00	-30.26	H
3759.85	-35.93	12.60	12.93	-36.26	-13.00	-23.26	V
5639.46	-35.06	13.10	17.11	-39.07	-13.00	-26.07	V
7519.83	-32.87	11.50	22.20	-43.57	-13.00	-30.57	V
LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
	G.Lev (dBm)			(dBm)	(dBm)	(dBm)	
3798.26	-34.59	12.60	12.93	-34.92	-13.00	-21.92	H
5697.24	-34.81	13.10	17.11	-38.82	-13.00	-25.82	H
7596.87	-32.34	11.50	22.20	-43.04	-13.00	-30.04	H
3798.26	-35.47	12.60	12.93	-35.80	-13.00	-22.80	V
5697.24	-33.93	13.10	17.11	-37.94	-13.00	-24.94	V
7596.87	-32.85	11.50	22.20	-43.55	-13.00	-30.55	V



APPENDIX-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

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

