



RADIO TEST REPORT

Report No.: STS2209313W01

Issued for

Smart Meter Corporation

5501 W. Waters Ave. Suite 401 Tampa, FL 33634, United States.

Product Name:	Blood Glucose Monitoring System
Brand:	iGlucose
Model Number:	GM291
Series Model(s):	N/A
FCC ID:	2AHYZGM291R5C-M1
Test Standard:	47 CFR Part 2, 24(E), 27

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**TEST RESULT CERTIFICATION**

Applicant's Name: Smart Meter Corporation
Address: 5501 W. Waters Ave. Suite 401 Tampa, FL 33634, United States.
Manufacturer's Name: Bionime Corporation
Address: No. 100, Sec 2, Daqing St., South Dist., Taichung City 40242, Taiwan.
Product Description
Product Name: Blood Glucose Monitoring System
Brand: iGlucose
Model Number: GM291
Series Model(s): N/A
Test Standards: 47 CFR Part 2, 24(E), 27
Test Procedure: KDB 971168 D01 v03r01, ANSI C63.26 2015

This device described above has been tested by STS, 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 receipt of test item: 30 Sept. 2022
Date (s) of performance of tests : 30 Sept. 2022 ~ 11 Oct. 2022
Date of Issue: 11 Oct. 2022
Test Result: Pass

Testing Engineer :

(Chris Chen)

Technical Manager :

(Sean she)

Authorized Signatory :

(Bovey Yang)





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**Revision History**

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	11 Oct. 2022	STS2209313W01	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	$\pm 0.87\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.895\text{dB}$
3	All emissions, radiated 9K-30MHz	$\pm 3.80\text{dB}$
4	All emissions, radiated 30M-1GHz	$\pm 4.09\text{dB}$
5	All emissions, radiated 1G-6GHz	$\pm 4.92\text{dB}$
6	All emissions, radiated >6G	$\pm 5.49\text{dB}$
7	Conducted Emission (9KHz-30MHz)	$\pm 2.73\text{dB}$



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	Blood Glucose Monitoring System
Brand	iGlucose
Model Number	GM291
Series Model(s)	N/A
Model Difference	N/A
Frequency Bands	U.S. Bands: CAT-M FDD Band 2 CAT-M FDD Band 4 CAT-M FDD Band 12
SIM Card	Only support single SIM Card.
Antenna	PIFA Antenna
Antenna gain	3dBi
Battery parameter	Rated Voltage:3.7 Charge Limit Voltage:4.2VDC Capacity: 1000mAh
Adapter:	Input: 100-240V~ 50/60Hz 0.7A Output: 5VDC 600mA
Extreme Vol. Limits	3.3V to 4.2V (Nominal 3.7V)
Extreme Temp. Tolerance	-30℃ to +50℃
Hardware version number	IGv2.5D
Software version number	iG21_v2_5_5(21-07-2022)



2.1.2 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD

Product Specification Subjective To This Standard	
Tx Frequency	LTE Band 2:1850~1910MHz LTE Band 4:1710~1755MHz LTE Band 12:699~716MHz
Rx Frequency	LTE Band 2:1930 ~1990MHz LTE Band 4:2110~2155MHz LTE Band 12:729~746MHz
Bandwidth	LTE Band 2: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 12: 1.4MHz / 3MHz / 5MHz / 10MHz
Maximum Output Power	LTE Band 2: 20.50 dBm LTE Band 4: 19.37 dBm LTE Band 12: 23.31 dBm
Type of Modulation	QPSK /16QAM





2.1.3 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.

The module has been certified by TUV laboratory, The module FCC ID is 2AHYZGM291CAT-M1. In this report, this certified module is same as the original filling. We have tested the new Radiated Power and Radiated Spurious Emission

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
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v			v	v	v	v	v	v	v	v
E.R.P.& E.I.R.P.	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	12	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
	4	v	v	v	v	v	v	v		v			v	v	v
	12	v	v	v	v			v		v			v	v	v



2.1.4 RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for filing to comply with the 47 CFR Part 2, 24(E), 27.

2.1.5 SPECIAL ACCESSORIES

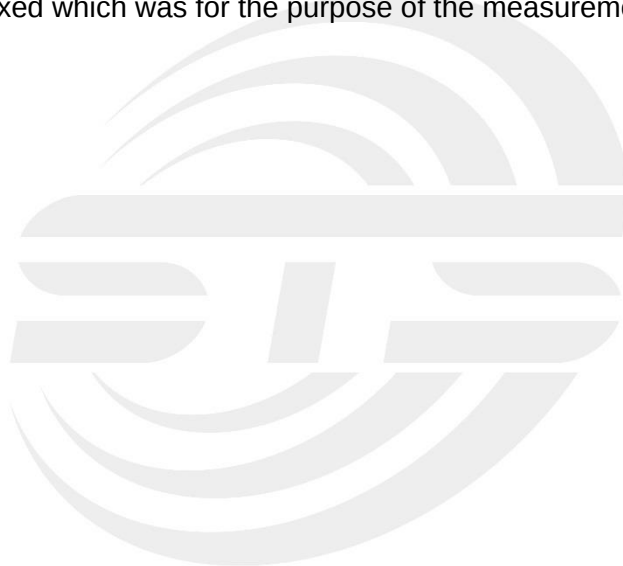
The battery and the charger, earphone supplied by the applicant were used as accessories and being tested with eut intended for fcc grant together.

2.1.6 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.

2.1.7 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.





2.1.8 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.	Length	Note
N/A	N/A	N/A	N/A	N/A

Note:

(1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.



2.1.9 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
Temperature & Humidity	SW-108	SuWei	N/A	2022.03.02	2023.03.01
Wireless Communications Test Set	R&S	CMW 500	117239	2022.03.01	2023.02.28
Pre-Amplifier(0.1M-3GHz)	EM	EM330	060665	2022.07.04	2023.07.03
Pre-Amplifier (1G-18GHz)	SKET	LNPA-01018G-45	SK2018080901	2022.09.29	2023.09.28
Positioning Controller	MF	MF-7802	MF-780208587	N/A	N/A
Signal Analyzer	R&S	FSV 40-N	101823	2022.09.29	2023.09.28
Switch Control Box	N/A	N/A	N/A	N/A	N/A
Filter Box	BALUN Technology	SU319E	BL-SZ1530051	N/A	N/A
Video Controller	SKET	FCS C-3	N/A	N/A	N/A
Bilog Antenna	TESEQ	CBL6111D	34678	2022.09.30	2024.09.29
Horn Antenna	SCHWARZBECK	BBHA 9120D	02014	2021.10.11	2023.10.10
Antenna Mast	MF	MFA-440H	N/A	N/A	N/A
Turn Table	MF	N/A	N/A	N/A	N/A
AC Power Source	APC	KDF-11010G	F214050035	N/A	N/A
DC Power Supply	Zhaoxin	RXN 605D	20R605D11010081	N/A	N/A
Test SW	EMC Test Software	15.2.0.339			
	EZ-EMC	Ver.STSLAB-03A1 RE			

RF Connected Test

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Temperature & Humidity	SW-108	SuWei	N/A	2022.03.02	2023.03.01
Wireless Communications Test Set	R&S	CMW 500	131428	2022.03.01	2023.02.28
Signal Analyzer	Agilent	N9020A	MY52440124	2022.03.01	2023.02.28
RF Automatic Test System	Maiwei	MW200-SFCB	N/A	N/A	N/A
Temperature & Humidity Test Chamber	Safety test	AG80L	171200018	2022.03.01	2023.02.28
Programmable Power Supply	Agilent	E3642A	MY40002025	2022.09.29	2023.09.28
Test SW	MTS 8200	2.0.0.0			



2.1.10 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 POWER AND EFFECTIVE ISOTROPIC RADIATED POWER

3.1 DESCRIPTION OF THE ERP/EIRP MEASUREMENT

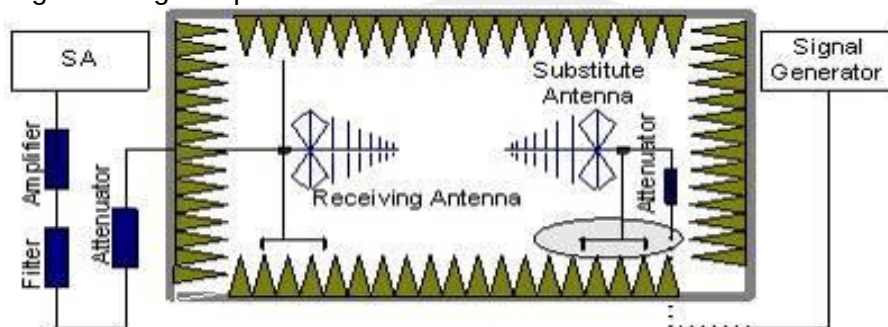
3.1.1 MEASUREMENT METHOD

Effective radiated power output measurements by substitution method according to ANSI C63.26 2015, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas. License Digital Systems. Mobile and portable (hand-held) stations operating are limited to average ERP, Equivalent isotropic radiated power output measurements by substitution method according to ANSI C63.26 2015, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas, Mobile and portable (hand-held) stations operating are limited to average EIRP.

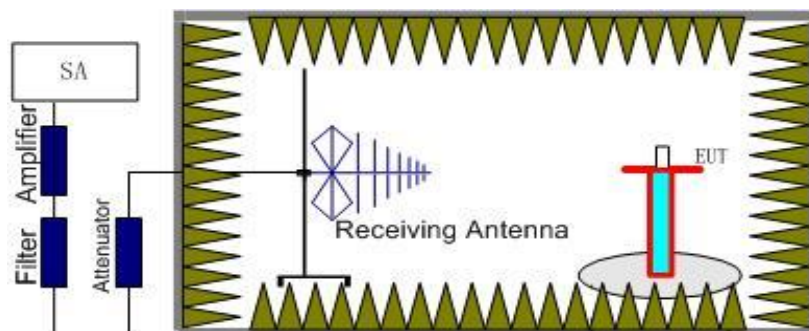
3.1.2 TEST SETUP

The procedure of radiated spurious emissions is as follows:

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



b) EUT was placed on a 1.5m non-conductive stand at a 3 m test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 m 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 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:

$\text{Power} = \text{PMea} + \text{ARpl}$



3.1.3 TEST PROCEDURES

1. The testing follows FCC KDB 971168 D01v03r01 Section 5.6 and ANSI C63.26 2015 Section 5.2.
2. The EUT was placed on a non-conductive rotating platform 1.5 meters high in a semi-anechoic chamber. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and a spectrum analyzer with Peak detector.
3. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power. The maximum emission was recorded from analyzer power level (LVL) from the 360 degrees rotation of the turntable and the test antenna raised and lowered over a range from 1 to 4 m in both horizontally and vertically polarized orientations.
4. Effective Isotropic Radiated Power (EIRP) was measured by substitution method according to ANSI C63.26 2015. The EUT was replaced by dipole antenna (substitution antenna) at same location and then a known power from S.G. was applied into the dipole antenna through a Tx cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna. The correction factor (in dB) = S.G. - Tx Cable loss + Substitution antenna gain - Analyzer reading. Then the EUT's EIRP was calculated with the correction factor, $EIRP/ERP = LVL + \text{Correction factor}$
5. RB Set greater than bandwidth, VB Set spectrum analyzer Maximum support.





3.1.4 TEST RESULTS

Radiated Power (EIRP) for CAT-M Band 2 /1.4M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
1.4	Lowest	1	0	QPSK	19.10	3	22.10	2.00	33.01	PASS
		6	0		19.22	3	22.22	2.00	33.01	PASS
		1	0	16-QAM	18.76	3	21.76	2.00	33.01	PASS
		5	0		19.32	3	22.32	2.00	33.01	PASS
	Middle	1	0	QPSK	19.95	3	22.95	2.00	33.01	PASS
		6	0		19.85	3	22.85	2.00	33.01	PASS
		1	0	16-QAM	19.34	3	22.34	2.00	33.01	PASS
		5	0		19.92	3	22.92	2.00	33.01	PASS
	Highest	1	0	QPSK	20.46	3	23.46	2.00	33.01	PASS
		6	0		20.18	3	23.18	2.00	33.01	PASS
		1	0	16-QAM	20.10	3	23.10	2.00	33.01	PASS
		5	0		20.32	3	23.32	2.00	33.01	PASS

Radiated Power (EIRP) for CAT-M Band 2 /3M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
3	Lowest	1	0	QPSK	19.30	3	22.30	2.00	33.01	PASS
		6	0		19.27	3	22.27	2.00	33.01	PASS
		1	0	16-QAM	18.79	3	21.79	2.00	33.01	PASS
		5	0		19.41	3	22.41	2.00	33.01	PASS
	Middle	1	0	QPSK	19.81	3	22.81	2.00	33.01	PASS
		6	0		19.85	3	22.85	2.00	33.01	PASS
		1	0	16-QAM	19.33	3	22.33	2.00	33.01	PASS
		5	0		19.88	3	22.88	2.00	33.01	PASS
	Highest	1	0	QPSK	20.50	3	23.50	2.00	33.01	PASS
		6	0		20.24	3	23.24	2.00	33.01	PASS
		1	0	16-QAM	19.98	3	22.98	2.00	33.01	PASS
		5	0		20.30	3	23.30	2.00	33.01	PASS



Radiated Power (EIRP) for CAT-M Band 2 /5M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
5	Lowest	1	0	QPSK	19.24	3	22.24	2.00	33.01	PASS
		6	0		19.27	3	22.27	2.00	33.01	PASS
		1	0	16-QAM	19.04	3	22.04	2.00	33.01	PASS
		5	0		19.48	3	22.48	2.00	33.01	PASS
	Middle	1	0	QPSK	19.87	3	22.87	2.00	33.01	PASS
		6	0		19.92	3	22.92	2.00	33.01	PASS
		1	0	16-QAM	19.83	3	22.83	2.00	33.01	PASS
		5	0		20.09	3	23.09	2.00	33.01	PASS
	Highest	1	0	QPSK	20.46	3	23.46	2.00	33.01	PASS
		6	0		20.21	3	23.21	2.00	33.01	PASS
		1	0	16-QAM	20.21	3	23.21	2.00	33.01	PASS
		5	0		20.39	3	23.39	2.00	33.01	PASS

Radiated Power (EIRP) for CAT-M Band 2 /10M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
10	Lowest	1	0	QPSK	19.19	3	22.19	2.00	33.01	PASS
		6	0		19.17	3	22.17	2.00	33.01	PASS
		1	0	16-QAM	19.15	3	22.15	2.00	33.01	PASS
		5	0		19.28	3	22.28	2.00	33.01	PASS
	Middle	1	0	QPSK	19.75	3	22.75	2.00	33.01	PASS
		6	0		19.81	3	22.81	2.00	33.01	PASS
		1	0	16-QAM	19.76	3	22.76	2.00	33.01	PASS
		5	0		19.83	3	22.83	2.00	33.01	PASS
	Highest	1	0	QPSK	20.36	3	23.36	2.00	33.01	PASS
		6	0		20.21	3	23.21	2.00	33.01	PASS
		1	0	16-QAM	20.13	3	23.13	2.00	33.01	PASS
		5	0		20.19	3	23.19	2.00	33.01	PASS



Radiated Power (EIRP) for CAT-M Band 2 /15M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
15	Lowest	1	0	QPSK	19.14	3	22.14	2.00	33.01	PASS
		6	0		19.16	3	22.16	2.00	33.01	PASS
		1	0	16-QAM	18.95	3	21.95	2.00	33.01	PASS
		5	0		19.38	3	22.38	2.00	33.01	PASS
	Middle	1	0	QPSK	19.68	3	22.68	2.00	33.01	PASS
		6	0		19.75	3	22.75	2.00	33.01	PASS
		1	0	16-QAM	19.45	3	22.45	2.00	33.01	PASS
		5	0		19.85	3	22.85	2.00	33.01	PASS
	Highest	1	0	QPSK	20.32	3	23.32	2.00	33.01	PASS
		6	0		20.08	3	23.08	2.00	33.01	PASS
		1	0	16-QAM	19.93	3	22.93	2.00	33.01	PASS
		5	0		19.94	3	22.94	2.00	33.01	PASS

Radiated Power (EIRP) for CAT-M Band 2 /20M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
20	Lowest	1	0	QPSK	19.07	3	22.07	2.00	33.01	PASS
		6	0		19.14	3	22.14	2.00	33.01	PASS
		1	0	16-QAM	18.99	3	21.99	2.00	33.01	PASS
		5	0		19.38	3	22.38	2.00	33.01	PASS
	Middle	1	0	QPSK	19.52	3	22.52	2.00	33.01	PASS
		6	0		19.55	3	22.55	2.00	33.01	PASS
		1	0	16-QAM	19.30	3	22.30	2.00	33.01	PASS
		5	0		19.77	3	22.77	2.00	33.01	PASS
	Highest	1	0	QPSK	20.21	3	23.21	2.00	33.01	PASS
		6	0		20.03	3	23.03	2.00	33.01	PASS
		1	0	16-QAM	19.95	3	22.95	2.00	33.01	PASS
		5	0		20.15	3	23.15	2.00	33.01	PASS



Radiated Power (EIRP) for CAT-M Band 4 /1.4M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
1.4	Lowest	1	0	QPSK	18.35	3	21.35	1.00	30.00	PASS
		6	0		18.76	3	21.76	1.00	30.00	PASS
		1	0	16-QAM	18.41	3	21.41	1.00	30.00	PASS
		5	0		18.90	3	21.90	1.00	30.00	PASS
	Middle	1	0	QPSK	18.75	3	21.75	1.00	30.00	PASS
		6	0		18.78	3	21.78	1.00	30.00	PASS
		1	0	16-QAM	18.30	3	21.30	1.00	30.00	PASS
		5	0		18.92	3	21.92	1.00	30.00	PASS
	Highest	1	0	QPSK	18.80	3	21.80	1.00	30.00	PASS
		6	0		18.52	3	21.52	1.00	30.00	PASS
		1	0	16-QAM	18.46	3	21.46	1.00	30.00	PASS
		5	0		18.72	3	21.72	1.00	30.00	PASS

Radiated Power (EIRP) for CAT-M Band 4 /3M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
3	Lowest	1	0	QPSK	18.80	3	21.80	1.00	30.00	PASS
		6	0		18.78	3	21.78	1.00	30.00	PASS
		1	0	16-QAM	18.33	3	21.33	1.00	30.00	PASS
		5	0		18.93	3	21.93	1.00	30.00	PASS
	Middle	1	0	QPSK	18.74	3	21.74	1.00	30.00	PASS
		6	0		18.74	3	21.74	1.00	30.00	PASS
		1	0	16-QAM	18.40	3	21.40	1.00	30.00	PASS
		5	0		18.87	3	21.87	1.00	30.00	PASS
	Highest	1	0	QPSK	18.80	3	21.80	1.00	30.00	PASS
		6	0		18.52	3	21.52	1.00	30.00	PASS
		1	0	16-QAM	18.33	3	21.33	1.00	30.00	PASS
		5	0		18.71	3	21.71	1.00	30.00	PASS



Radiated Power (EIRP) for CAT-M Band 4 /5M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
5	Lowest	1	0	QPSK	18.72	3	21.72	1.00	30.00	PASS
		6	0		18.73	3	21.73	1.00	30.00	PASS
		1	0	16-QAM	18.65	3	21.65	1.00	30.00	PASS
		5	0		19.05	3	22.05	1.00	30.00	PASS
	Middle	1	0	QPSK	18.63	3	21.63	1.00	30.00	PASS
		6	0		18.68	3	21.68	1.00	30.00	PASS
		1	0	16-QAM	18.67	3	21.67	1.00	30.00	PASS
		5	0		19.20	3	22.20	1.00	30.00	PASS
	Highest	1	0	QPSK	18.96	3	21.96	1.00	30.00	PASS
		6	0		18.66	3	21.66	1.00	30.00	PASS
		1	0	16-QAM	18.65	3	21.65	1.00	30.00	PASS
		5	0		19.01	3	22.01	1.00	30.00	PASS

Radiated Power (EIRP) for CAT-M Band 4 /10M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
10	Lowest	1	0	QPSK	18.71	3	21.71	1.00	30.00	PASS
		6	0		18.67	3	21.67	1.00	30.00	PASS
		1	0	16-QAM	18.69	3	21.69	1.00	30.00	PASS
		5	0		18.93	3	21.93	1.00	30.00	PASS
	Middle	1	0	QPSK	18.73	3	21.73	1.00	30.00	PASS
		6	0		18.67	3	21.67	1.00	30.00	PASS
		1	0	16-QAM	18.63	3	21.63	1.00	30.00	PASS
		5	0		18.83	3	21.83	1.00	30.00	PASS
	Highest	1	0	QPSK	18.71	3	21.71	1.00	30.00	PASS
		6	0		18.61	3	21.61	1.00	30.00	PASS
		1	0	16-QAM	18.55	3	21.55	1.00	30.00	PASS
		5	0		18.68	3	21.68	1.00	30.00	PASS



Radiated Power (EIRP) for CAT-M Band 4 /15M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
15	Lowest	1	0	QPSK	18.60	3	21.60	1.00	30.00	PASS
		6	0		18.57	3	21.57	1.00	30.00	PASS
		1	0	16-QAM	18.64	3	21.64	1.00	30.00	PASS
		5	0		19.07	3	22.07	1.00	30.00	PASS
	Middle	1	0	QPSK	18.84	3	21.84	1.00	30.00	PASS
		6	0		18.87	3	21.87	1.00	30.00	PASS
		1	0	16-QAM	18.61	3	21.61	1.00	30.00	PASS
		5	0		19.07	3	22.07	1.00	30.00	PASS
	Highest	1	0	QPSK	18.75	3	21.75	1.00	30.00	PASS
		6	0		18.49	3	21.49	1.00	30.00	PASS
		1	0	16-QAM	18.60	3	21.60	1.00	30.00	PASS
		5	0		19.37	3	22.37	1.00	30.00	PASS

Radiated Power (EIRP) for CAT-M Band 4 /20M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
20	Lowest	1	0	QPSK	18.77	3	21.77	1.00	30.00	PASS
		6	0		18.75	3	21.75	1.00	30.00	PASS
		1	0	16-QAM	18.66	3	21.66	1.00	30.00	PASS
		5	0		19.04	3	22.04	1.00	30.00	PASS
	Middle	1	0	QPSK	18.65	3	21.65	1.00	30.00	PASS
		6	0		18.67	3	21.67	1.00	30.00	PASS
		1	0	16-QAM	18.57	3	21.57	1.00	30.00	PASS
		5	0		18.99	3	21.99	1.00	30.00	PASS
	Highest	1	0	QPSK	18.75	3	21.75	1.00	30.00	PASS
		6	0		18.47	3	21.47	1.00	30.00	PASS
		1	0	16-QAM	18.55	3	21.55	1.00	30.00	PASS
		5	0		18.89	3	21.89	1.00	30.00	PASS



Radiated Power (EIRP) for CAT-M Band 12 /1.4M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
1.4	Lowest	1	0	QPSK	22.87	3	23.72	3.00	34.77	PASS
		6	0		23.00	3	23.85	3.00	34.77	PASS
		1	0	16-QAM	22.63	3	23.48	3.00	34.77	PASS
		5	0		23.17	3	24.02	3.00	34.77	PASS
	Middle	1	0	QPSK	22.70	3	23.55	3.00	34.77	PASS
		6	0		22.75	3	23.60	3.00	34.77	PASS
		1	0	16-QAM	22.20	3	23.05	3.00	34.77	PASS
		5	0		22.77	3	23.62	3.00	34.77	PASS
	Highest	1	0	QPSK	22.83	3	23.68	3.00	34.77	PASS
		6	0		22.64	3	23.49	3.00	34.77	PASS
		1	0	16-QAM	22.53	3	23.38	3.00	34.77	PASS
		5	0		22.94	3	23.79	3.00	34.77	PASS

Radiated Power (EIRP) for CAT-M Band 12 /3M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
3	Lowest	1	0	QPSK	22.91	3	23.76	3.00	34.77	PASS
		6	0		22.78	3	23.63	3.00	34.77	PASS
		1	0	16-QAM	22.48	3	23.33	3.00	34.77	PASS
		5	0		23.05	3	23.90	3.00	34.77	PASS
	Middle	1	0	QPSK	22.83	3	23.68	3.00	34.77	PASS
		6	0		22.84	3	23.69	3.00	34.77	PASS
		1	0	16-QAM	22.58	3	23.43	3.00	34.77	PASS
		5	0		23.02	3	23.87	3.00	34.77	PASS
	Highest	1	0	QPSK	22.83	3	23.68	3.00	34.77	PASS
		6	0		22.72	3	23.57	3.00	34.77	PASS
		1	0	16-QAM	22.47	3	23.32	3.00	34.77	PASS
		5	0		22.91	3	23.76	3.00	34.77	PASS



Radiated Power (EIRP) for CAT-M Band 12 /5M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
5	Lowest	1	0	QPSK	22.72	3	23.57	3.00	34.77	PASS
		6	0		22.80	3	23.65	3.00	34.77	PASS
		1	0	16-QAM	22.95	3	23.80	3.00	34.77	PASS
		5	0		23.31	3	24.16	3.00	34.77	PASS
	Middle	1	0	QPSK	22.83	3	23.68	3.00	34.77	PASS
		6	0		22.82	3	23.67	3.00	34.77	PASS
		1	0	16-QAM	22.81	3	23.66	3.00	34.77	PASS
		5	0		23.17	3	24.02	3.00	34.77	PASS
	Highest	1	0	QPSK	22.77	3	23.62	3.00	34.77	PASS
		6	0		22.70	3	23.55	3.00	34.77	PASS
		1	0	16-QAM	22.73	3	23.58	3.00	34.77	PASS
		5	0		23.10	3	23.95	3.00	34.77	PASS

Radiated Power (EIRP) for CAT-M Band 12 /10M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
10	Lowest	1	0	QPSK	22.73	3	23.58	3.00	34.77	PASS
		6	0		22.79	3	23.64	3.00	34.77	PASS
		1	0	16-QAM	22.91	3	23.76	3.00	34.77	PASS
		5	0		23.10	3	23.95	3.00	34.77	PASS
	Middle	1	0	QPSK	22.83	3	23.68	3.00	34.77	PASS
		6	0		22.76	3	23.61	3.00	34.77	PASS
		1	0	16-QAM	22.75	3	23.60	3.00	34.77	PASS
		5	0		22.94	3	23.79	3.00	34.77	PASS
	Highest	1	0	QPSK	22.87	3	23.72	3.00	34.77	PASS
		6	0		22.72	3	23.57	3.00	34.77	PASS
		1	0	16-QAM	22.70	3	23.55	3.00	34.77	PASS
		5	0		22.93	3	23.78	3.00	34.77	PASS

4. RADIATED SPURIOUS EMISSION

4.1 DESCRIPTION OF RADIATED SPURIOUS EMISSION

4.1.1 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. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.1.2 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.

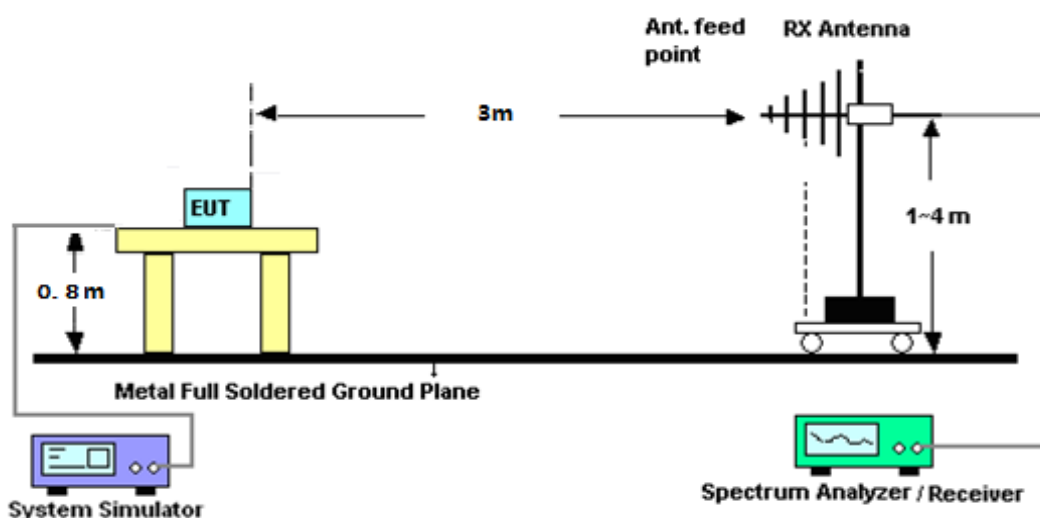
b) EUT was placed on 1.5 m non-conductive stand at a 3 m test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 m from the test item for emission measurements. The height of receiving antenna is 0.8m. The test setup refers to figure below. Detected emissions were 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 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.

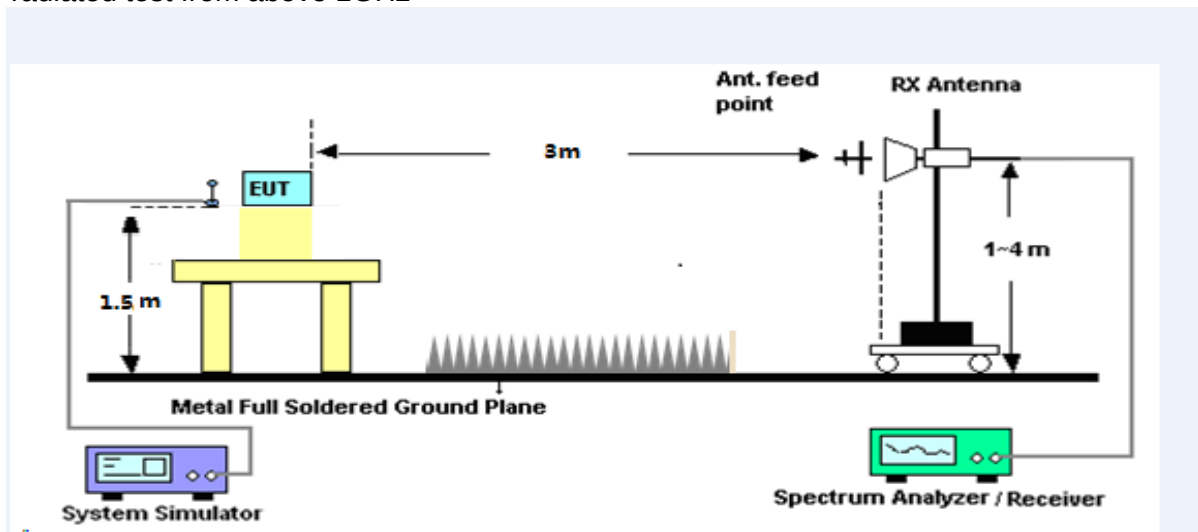
The substitution method is used. Substitution values at each frequency are measured before and saved to the test software. A "reference path loss" is established and the ARpl is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable 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



4.1.3 TEST PROCEDURES

1. The testing FCC KDB 971168 D01 Section 7 and ANSI C63.26 2015 Section 5.5.
2. The EUT was placed on a rotatable wooden table with 1.5 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)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
 $= -13$ dBm

For Band 7:

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= [30 + 10\log(P)]$ (dBm) - $[55 + 10\log(P)]$ (dB)
 $= -25$ dBm

EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain

ERP (dBm) = EIRP - 2.15



4.1.4 TEST RESULTS

CAT-M 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
3701.42	-33.51	12.60	12.93	-33.84	-13.00	-20.84	H
5551.82	-34.38	13.10	17.11	-38.39	-13.00	-25.39	H
7402.72	-33.18	11.50	22.20	-43.88	-13.00	-30.88	H
3701.42	-34.99	12.60	12.93	-35.32	-13.00	-22.32	V
5551.82	-33.85	13.10	17.11	-37.86	-13.00	-24.86	V
7402.72	-33.09	11.50	22.20	-43.79	-13.00	-30.79	V
CAT-M 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
3760.08	-34.04	12.60	12.93	-34.37	-13.00	-21.37	H
5640.14	-34.39	13.10	17.11	-38.40	-13.00	-25.40	H
7519.81	-33.52	11.50	22.20	-44.22	-13.00	-31.22	H
3760.08	-34.97	12.60	12.93	-35.30	-13.00	-22.30	V
5640.14	-34.31	13.10	17.11	-38.32	-13.00	-25.32	V
7519.81	-32.16	11.50	22.20	-42.86	-13.00	-29.86	V
CAT-M 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
3818.55	-34.94	12.60	12.93	-35.27	-13.00	-22.27	H
5727.64	-35.07	13.10	17.11	-39.08	-13.00	-26.08	H
7637.09	-32.49	11.50	22.20	-43.19	-13.00	-30.19	H
3818.55	-34.86	12.60	12.93	-35.19	-13.00	-22.19	V
5727.64	-34.55	13.10	17.11	-38.56	-13.00	-25.56	V
7637.09	-32.83	11.50	22.20	-43.53	-13.00	-30.53	V



CAT-M Band 2 / 5MHz / 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
3705.45	-34.30	12.60	12.93	-34.63	-13.00	-21.63	H
5557.94	-35.32	13.10	17.11	-39.33	-13.00	-26.33	H
7410.79	-32.22	11.50	22.20	-42.92	-13.00	-29.92	H
3705.45	-35.11	12.60	12.93	-35.44	-13.00	-22.44	V
5557.94	-34.09	13.10	17.11	-38.10	-13.00	-25.10	V
7410.79	-33.17	11.50	22.20	-43.87	-13.00	-30.87	V
CAT-M Band 2 / 5MHz / 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
3759.91	-34.19	12.60	12.93	-34.52	-13.00	-21.52	H
5640.22	-34.78	13.10	17.11	-38.79	-13.00	-25.79	H
7520.29	-32.31	11.50	22.20	-43.01	-13.00	-30.01	H
3759.91	-35.36	12.60	12.93	-35.69	-13.00	-22.69	V
5640.22	-34.71	13.10	17.11	-38.72	-13.00	-25.72	V
7520.29	-31.96	11.50	22.20	-42.66	-13.00	-29.66	V
CAT-M Band 2 / 5MHz / 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
3814.15	-34.08	12.60	12.93	-34.41	-13.00	-21.41	H
5721.34	-34.96	13.10	17.11	-38.97	-13.00	-25.97	H
7628.61	-32.39	11.50	22.20	-43.09	-13.00	-30.09	H
3814.15	-35.91	12.60	12.93	-36.24	-13.00	-23.24	V
5721.34	-34.48	13.10	17.11	-38.49	-13.00	-25.49	V
7628.61	-32.76	11.50	22.20	-43.46	-13.00	-30.46	V



CAT-M Band 2 / 15MHz / 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
3715.94	-34.15	12.60	12.93	-34.48	-13.00	-21.48	H
5574.00	-35.32	13.10	17.11	-39.33	-13.00	-26.33	H
7618.68	-32.83	11.50	22.20	-43.53	-13.00	-30.53	H
3715.94	-35.12	12.60	12.93	-35.45	-13.00	-22.45	V
5574.00	-34.82	13.10	17.11	-38.83	-13.00	-25.83	V
7618.68	-32.46	11.50	22.20	-43.16	-13.00	-30.16	V
CAT-M Band 2 / 15MHz / 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
3760.20	-34.31	12.60	12.93	-34.64	-13.00	-21.64	H
5639.91	-34.88	13.10	17.11	-38.89	-13.00	-25.89	H
7520.06	-32.40	11.50	22.20	-43.10	-13.00	-30.10	H
3760.20	-34.61	12.60	12.93	-34.94	-13.00	-21.94	V
5639.91	-34.63	13.10	17.11	-38.64	-13.00	-25.64	V
7520.06	-32.79	11.50	22.20	-43.49	-13.00	-30.49	V
CAT-M Band 2 / 15MHz / 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
3803.59	-34.82	12.60	12.93	-35.15	-13.00	-22.15	H
5705.69	-35.21	13.10	17.11	-39.22	-13.00	-26.22	H
7607.32	-32.33	11.50	22.20	-43.03	-13.00	-30.03	H
3803.59	-35.46	12.60	12.93	-35.79	-13.00	-22.79	V
5705.69	-35.08	13.10	17.11	-39.09	-13.00	-26.09	V
7607.32	-32.13	11.50	22.20	-42.83	-13.00	-29.83	V



CAT-M Band 2 / 3MHz / 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
3703.39	-34.51	12.60	12.93	-34.84	-13.00	-21.84	H
5554.37	-34.60	13.10	17.11	-38.61	-13.00	-25.61	H
7406.79	-32.77	11.50	22.20	-43.47	-13.00	-30.47	H
3703.39	-35.23	12.60	12.93	-35.56	-13.00	-22.56	V
5554.37	-34.32	13.10	17.11	-38.33	-13.00	-25.33	V
7406.79	-33.11	11.50	22.20	-43.81	-13.00	-30.81	V
CAT-M Band 2 / 3MHz / 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	-33.61	12.60	12.93	-33.94	-13.00	-20.94	H
5639.95	-34.89	13.10	17.11	-38.90	-13.00	-25.90	H
7520.25	-33.27	11.50	22.20	-43.97	-13.00	-30.97	H
3759.96	-34.68	12.60	12.93	-35.01	-13.00	-22.01	V
5639.95	-34.08	13.10	17.11	-38.09	-13.00	-25.09	V
7520.25	-32.64	11.50	22.20	-43.34	-13.00	-30.34	V
CAT-M Band 2 / 3MHz / 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
3816.53	-34.28	12.60	12.93	-34.61	-13.00	-21.61	H
5725.06	-34.73	13.10	17.11	-38.74	-13.00	-25.74	H
7633.60	-32.25	11.50	22.20	-42.95	-13.00	-29.95	H
3816.53	-34.58	12.60	12.93	-34.91	-13.00	-21.91	V
5725.06	-35.02	13.10	17.11	-39.03	-13.00	-26.03	V
7633.60	-32.65	11.50	22.20	-43.35	-13.00	-30.35	V



CAT-M Band 2 / 10MHz / 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
3710.49	-33.51	12.60	12.93	-33.84	-13.00	-20.84	H
5565.50	-34.15	13.10	17.11	-38.16	-13.00	-25.16	H
7421.10	-32.46	11.50	22.20	-43.16	-13.00	-30.16	H
3710.49	-34.84	12.60	12.93	-35.17	-13.00	-22.17	V
5565.50	-35.01	13.10	17.11	-39.02	-13.00	-26.02	V
7421.10	-32.99	11.50	22.20	-43.69	-13.00	-30.69	V
CAT-M Band 2 / 10MHz / 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
3759.89	-34.53	12.60	12.93	-34.86	-13.00	-21.86	H
5640.10	-34.18	13.10	17.11	-38.19	-13.00	-25.19	H
7520.11	-33.08	11.50	22.20	-43.78	-13.00	-30.78	H
3759.89	-35.95	12.60	12.93	-36.28	-13.00	-23.28	V
5640.10	-33.80	13.10	17.11	-37.81	-13.00	-24.81	V
7520.11	-31.91	11.50	22.20	-42.61	-13.00	-29.61	V
CAT-M Band 2 / 10MHz / 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
3809.03	-34.27	12.60	12.93	-34.60	-13.00	-21.60	H
5713.95	-35.03	13.10	17.11	-39.04	-13.00	-26.04	H
7618.11	-33.42	11.50	22.20	-44.12	-13.00	-31.12	H
3809.03	-35.86	12.60	12.93	-36.19	-13.00	-23.19	V
5713.95	-34.25	13.10	17.11	-38.26	-13.00	-25.26	V
7618.11	-33.04	11.50	22.20	-43.74	-13.00	-30.74	V



CAT-M Band 2 / 20MHz / 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
3721.44	-34.36	12.60	12.93	-34.69	-13.00	-21.69	H
5581.30	-34.34	13.10	17.11	-38.35	-13.00	-25.35	H
7441.78	-33.10	11.50	22.20	-43.80	-13.00	-30.80	H
3721.44	-35.80	12.60	12.93	-36.13	-13.00	-23.13	V
5581.30	-34.90	13.10	17.11	-38.91	-13.00	-25.91	V
7441.78	-31.82	11.50	22.20	-42.52	-13.00	-29.52	V
CAT-M Band 2 / 20MHz / 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
3760.08	-34.23	12.60	12.93	-34.56	-13.00	-21.56	H
5639.80	-34.59	13.10	17.11	-38.60	-13.00	-25.60	H
7520.29	-33.09	11.50	22.20	-43.79	-13.00	-30.79	H
3760.08	-34.68	12.60	12.93	-35.01	-13.00	-22.01	V
5639.80	-34.69	13.10	17.11	-38.70	-13.00	-25.70	V
7520.29	-31.72	11.50	22.20	-42.42	-13.00	-29.42	V
CAT-M Band 2 / 20MHz / 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
3798.15	-34.65	12.60	12.93	-34.98	-13.00	-21.98	H
5697.13	-35.44	13.10	17.11	-39.45	-13.00	-26.45	H
7596.97	-33.51	11.50	22.20	-44.21	-13.00	-31.21	H
3798.15	-35.82	12.60	12.93	-36.15	-13.00	-23.15	V
5697.13	-34.25	13.10	17.11	-38.26	-13.00	-25.26	V
7596.97	-32.51	11.50	22.20	-43.21	-13.00	-30.21	V



CAT-M Band 4 / 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
3421.40	-34.76	12.90	12.56	-34.42	-13.00	-21.42	H
5132.05	-35.24	13.10	16.32	-38.46	-13.00	-25.46	H
6842.56	-33.15	12.33	21.13	-41.95	-13.00	-28.95	H
3421.40	-35.97	12.90	12.56	-35.63	-13.00	-22.63	V
5132.05	-35.19	13.10	16.32	-38.41	-13.00	-25.41	V
6842.56	-32.35	12.33	21.13	-41.15	-13.00	-28.15	V
CAT-M Band 4 / 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
3464.84	-33.52	12.90	12.56	-33.18	-13.00	-20.18	H
5196.96	-34.92	13.10	16.32	-38.14	-13.00	-25.14	H
6929.86	-33.01	12.33	21.13	-41.81	-13.00	-28.81	H
3464.84	-35.55	12.90	12.56	-35.21	-13.00	-22.21	V
5196.96	-34.21	13.10	16.32	-37.43	-13.00	-24.43	V
6929.86	-32.37	12.33	21.13	-41.17	-13.00	-28.17	V
CAT-M Band 4 / 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
3508.24	-34.44	12.90	12.56	-34.10	-13.00	-21.10	H
5262.60	-34.18	13.10	16.32	-37.40	-13.00	-24.40	H
7016.16	-32.67	12.33	21.13	-41.47	-13.00	-28.47	H
3508.24	-35.47	12.90	12.56	-35.13	-13.00	-22.13	V
5262.60	-34.52	13.10	16.32	-37.74	-13.00	-24.74	V
7016.16	-32.78	12.33	21.13	-41.58	-13.00	-28.58	V



CAT-M Band 4 / 5MHz / 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
3425.25	-34.53	12.90	12.56	-34.19	-13.00	-21.19	H
5137.16	-35.07	13.10	16.32	-38.29	-13.00	-25.29	H
6850.45	-32.90	12.33	21.13	-41.70	-13.00	-28.70	H
3425.25	-35.55	12.90	12.56	-35.21	-13.00	-22.21	V
5137.16	-35.18	13.10	16.32	-38.40	-13.00	-25.40	V
6850.45	-32.00	12.33	21.13	-40.80	-13.00	-27.80	V
CAT-M Band 4 / 5MHz / 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
3464.91	-34.38	12.90	12.56	-34.04	-13.00	-21.04	H
5197.29	-35.47	13.10	16.32	-38.69	-13.00	-25.69	H
6930.14	-33.47	12.33	21.13	-42.27	-13.00	-29.27	H
3464.91	-35.89	12.90	12.56	-35.55	-13.00	-22.55	V
5197.29	-34.25	13.10	16.32	-37.47	-13.00	-24.47	V
6930.14	-33.05	12.33	21.13	-41.85	-13.00	-28.85	V
CAT-M Band 4 / 5MHz / 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
3505.58	-33.73	12.90	12.56	-33.39	-13.00	-20.39	H
5257.18	-34.67	13.10	16.32	-37.89	-13.00	-24.89	H
7010.27	-32.62	12.33	21.13	-41.42	-13.00	-28.42	H
3505.58	-35.86	12.90	12.56	-35.52	-13.00	-22.52	V
5257.18	-35.19	13.10	16.32	-38.41	-13.00	-25.41	V
7010.27	-32.08	12.33	21.13	-40.88	-13.00	-27.88	V



CAT-M Band 4 / 15MHz / 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
3435.34	-33.76	12.90	12.56	-33.42	-13.00	-20.42	H
5152.20	-34.13	13.10	16.32	-37.35	-13.00	-24.35	H
6870.48	-33.38	12.33	21.13	-42.18	-13.00	-29.18	H
3435.34	-34.76	12.90	12.56	-34.42	-13.00	-21.42	V
5152.20	-34.18	13.10	16.32	-37.40	-13.00	-24.40	V
6870.48	-32.32	12.33	21.13	-41.12	-13.00	-28.12	V
CAT-M Band 4 / 15MHz / 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
3464.92	-33.54	12.90	12.56	-33.20	-13.00	-20.20	H
5197.07	-35.47	13.10	16.32	-38.69	-13.00	-25.69	H
6930.03	-32.89	12.33	21.13	-41.69	-13.00	-28.69	H
3464.92	-34.61	12.90	12.56	-34.27	-13.00	-21.27	V
5197.07	-33.86	13.10	16.32	-37.08	-13.00	-24.08	V
6930.03	-32.77	12.33	21.13	-41.57	-13.00	-28.57	V
CAT-M Band 4 / 15MHz / 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
3495.52	-33.99	12.90	12.56	-33.65	-13.00	-20.65	H
5242.13	-34.26	13.10	16.32	-37.48	-13.00	-24.48	H
6990.49	-33.34	12.33	21.13	-42.14	-13.00	-29.14	H
3495.52	-35.56	12.90	12.56	-35.22	-13.00	-22.22	V
5242.13	-33.76	13.10	16.32	-36.98	-13.00	-23.98	V
6990.49	-32.74	12.33	21.13	-41.54	-13.00	-28.54	V



CAT-M Band 4 / 3MHz / 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
3424.19	-33.48	12.90	12.56	-33.14	-13.00	-20.14	H
5136.29	-34.29	13.10	16.32	-37.51	-13.00	-24.51	H
6848.55	-32.96	12.33	21.13	-41.76	-13.00	-28.76	H
3424.19	-34.92	12.90	12.56	-34.58	-13.00	-21.58	V
5136.29	-34.10	13.10	16.32	-37.32	-13.00	-24.32	V
6848.55	-31.93	12.33	21.13	-40.73	-13.00	-27.73	V
CAT-M Band 4 / 3MHz / 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
3464.99	-33.90	12.90	12.56	-33.56	-13.00	-20.56	H
5197.25	-34.72	13.10	16.32	-37.94	-13.00	-24.94	H
6929.99	-32.79	12.33	21.13	-41.59	-13.00	-28.59	H
3464.99	-35.03	12.90	12.56	-34.69	-13.00	-21.69	V
5197.25	-34.09	13.10	16.32	-37.31	-13.00	-24.31	V
6929.99	-31.83	12.33	21.13	-40.63	-13.00	-27.63	V
CAT-M Band 4 / 3MHz / 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
3506.52	-34.59	12.90	12.56	-34.25	-13.00	-21.25	H
5262.18	-34.55	13.10	16.32	-37.77	-13.00	-24.77	H
7012.83	-33.11	12.33	21.13	-41.91	-13.00	-28.91	H
3506.52	-35.14	12.90	12.56	-34.80	-13.00	-21.80	V
5262.18	-34.92	13.10	16.32	-38.14	-13.00	-25.14	V
7012.83	-31.73	12.33	21.13	-40.53	-13.00	-27.53	V



CAT-M Band 4 / 10MHz / 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
3430.36	-34.53	12.90	12.56	-34.19	-13.00	-21.19	H
5145.59	-35.36	13.10	16.32	-38.58	-13.00	-25.58	H
6860.47	-33.56	12.33	21.13	-42.36	-13.00	-29.36	H
3430.36	-34.90	12.90	12.56	-34.56	-13.00	-21.56	V
5145.59	-34.08	13.10	16.32	-37.30	-13.00	-24.30	V
6860.47	-33.19	12.33	21.13	-41.99	-13.00	-28.99	V
CAT-M Band 4 / 10MHz / 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
3465.17	-33.81	12.90	12.56	-33.47	-13.00	-20.47	H
5197.13	-34.48	13.10	16.32	-37.70	-13.00	-24.70	H
6930.00	-33.60	12.33	21.13	-42.40	-13.00	-29.40	H
3465.17	-35.67	12.90	12.56	-35.33	-13.00	-22.33	V
5197.13	-33.84	13.10	16.32	-37.06	-13.00	-24.06	V
6930.00	-32.37	12.33	21.13	-41.17	-13.00	-28.17	V
CAT-M Band 4 / 10MHz / 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
3500.49	-33.49	12.90	12.56	-33.15	-13.00	-20.15	H
5250.12	-34.44	13.10	16.32	-37.66	-13.00	-24.66	H
7000.05	-32.45	12.33	21.13	-41.25	-13.00	-28.25	H
3500.49	-35.93	12.90	12.56	-35.59	-13.00	-22.59	V
5250.12	-34.37	13.10	16.32	-37.59	-13.00	-24.59	V
7000.05	-32.35	12.33	21.13	-41.15	-13.00	-28.15	V



CAT-M Band 4 / 20MHz / 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
3440.30	-34.26	12.90	12.56	-33.92	-13.00	-20.92	H
5160.57	-34.52	13.10	16.32	-37.74	-13.00	-24.74	H
6880.82	-33.63	12.33	21.13	-42.43	-13.00	-29.43	H
3440.30	-35.92	12.90	12.56	-35.58	-13.00	-22.58	V
5160.57	-34.04	13.10	16.32	-37.26	-13.00	-24.26	V
6880.82	-31.83	12.33	21.13	-40.63	-13.00	-27.63	V
CAT-M Band 4 / 20MHz / 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
3465.24	-34.85	12.90	12.56	-34.51	-13.00	-21.51	H
5197.11	-34.49	13.10	16.32	-37.71	-13.00	-24.71	H
6929.85	-33.43	12.33	21.13	-42.23	-13.00	-29.23	H
3465.24	-35.06	12.90	12.56	-34.72	-13.00	-21.72	V
5197.11	-34.22	13.10	16.32	-37.44	-13.00	-24.44	V
6929.85	-31.82	12.33	21.13	-40.62	-13.00	-27.62	V
CAT-M Band 4 / 20MHz / 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
3490.67	-33.47	12.90	12.56	-33.13	-13.00	-20.13	H
5235.03	-34.03	13.10	16.32	-37.25	-13.00	-24.25	H
6980.31	-33.43	12.33	21.13	-42.23	-13.00	-29.23	H
3490.67	-35.75	12.90	12.56	-35.41	-13.00	-22.41	V
5235.03	-34.93	13.10	16.32	-38.15	-13.00	-25.15	V
6980.31	-32.28	12.33	21.13	-41.08	-13.00	-28.08	V



CAT-M Band 12 / 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
1399.23	-34.05	8.17	9.34	-35.22	-13.00	-22.22	H
2099.05	-34.60	9.53	10.42	-35.49	-13.00	-22.49	H
2798.68	-32.25	11.27	11.12	-32.10	-13.00	-19.10	H
1399.23	-35.86	8.17	9.34	-37.03	-13.00	-24.03	V
2099.05	-34.53	9.53	10.42	-35.42	-13.00	-22.42	V
2798.68	-31.96	11.27	11.12	-31.81	-13.00	-18.81	V
CAT-M Band 12 / 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
1414.63	-33.52	8.17	9.34	-34.69	-13.00	-21.69	H
2122.25	-35.20	9.53	10.42	-36.09	-13.00	-23.09	H
2829.64	-32.88	11.27	11.12	-32.73	-13.00	-19.73	H
1414.63	-35.67	8.17	9.34	-36.84	-13.00	-23.84	V
2122.25	-34.39	9.53	10.42	-35.28	-13.00	-22.28	V
2829.64	-31.71	11.27	11.12	-31.56	-13.00	-18.56	V
CAT-M Band 12 / 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
1430.40	-34.38	8.17	9.34	-35.55	-13.00	-22.55	H
2145.76	-34.73	9.53	10.42	-35.62	-13.00	-22.62	H
2861.09	-33.64	11.27	11.12	-33.49	-13.00	-20.49	H
1430.40	-35.54	8.17	9.34	-36.71	-13.00	-23.71	V
2145.76	-34.98	9.53	10.42	-35.87	-13.00	-22.87	V
2861.09	-32.54	11.27	11.12	-32.39	-13.00	-19.39	V



CAT-M Band 12 / 5MHz / 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
1402.72	-34.64	8.17	9.34	-35.81	-13.00	-22.81	H
2104.37	-35.43	9.53	10.42	-36.32	-13.00	-23.32	H
2805.78	-33.55	11.27	11.12	-33.40	-13.00	-20.40	H
1402.72	-35.37	8.17	9.34	-36.54	-13.00	-23.54	V
2104.37	-34.22	9.53	10.42	-35.11	-13.00	-22.11	V
2805.78	-31.78	11.27	11.12	-31.63	-13.00	-18.63	V
CAT-M Band 12 / 5MHz / 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
1414.70	-33.98	8.17	9.34	-35.15	-13.00	-22.15	H
2122.21	-34.50	9.53	10.42	-35.39	-13.00	-22.39	H
2829.95	-33.13	11.27	11.12	-32.98	-13.00	-19.98	H
1414.70	-34.83	8.17	9.34	-36.00	-13.00	-23.00	V
2122.21	-34.23	9.53	10.42	-35.12	-13.00	-22.12	V
2829.95	-32.89	11.27	11.12	-32.74	-13.00	-19.74	V
CAT-M Band 12 / 5MHz / 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
1426.60	-33.71	8.17	9.34	-34.88	-13.00	-21.88	H
2140.18	-35.09	9.53	10.42	-35.98	-13.00	-22.98	H
2853.87	-32.15	11.27	11.12	-32.00	-13.00	-19.00	H
1426.60	-34.98	8.17	9.34	-36.15	-13.00	-23.15	V
2140.18	-34.17	9.53	10.42	-35.06	-13.00	-22.06	V
2853.87	-32.72	11.27	11.12	-32.57	-13.00	-19.57	V



CAT-M Band 12 / 3MHz / 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
1400.53	-34.21	8.17	9.34	-35.38	-13.00	-22.38	H
2101.03	-35.36	9.53	10.42	-36.25	-13.00	-23.25	H
2801.74	-32.74	11.27	11.12	-32.59	-13.00	-19.59	H
1400.53	-34.53	8.17	9.34	-35.70	-13.00	-22.70	V
2101.03	-34.61	9.53	10.42	-35.50	-13.00	-22.50	V
2801.74	-32.01	11.27	11.12	-31.86	-13.00	-18.86	V
CAT-M Band 12 / 3MHz / 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
1414.56	-34.52	8.17	9.34	-35.69	-13.00	-22.69	H
2122.06	-34.63	9.53	10.42	-35.52	-13.00	-22.52	H
2829.73	-32.25	11.27	11.12	-32.10	-13.00	-19.10	H
1414.56	-34.56	8.17	9.34	-35.73	-13.00	-22.73	V
2122.06	-34.71	9.53	10.42	-35.60	-13.00	-22.60	V
2829.73	-32.86	11.27	11.12	-32.71	-13.00	-19.71	V
CAT-M Band 12 / 3MHz / 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
1428.64	-33.49	8.17	9.34	-34.66	-13.00	-21.66	H
2143.47	-34.50	9.53	10.42	-35.39	-13.00	-22.39	H
2857.75	-33.64	11.27	11.12	-33.49	-13.00	-20.49	H
1428.64	-35.29	8.17	9.34	-36.46	-13.00	-23.46	V
2143.47	-34.64	9.53	10.42	-35.53	-13.00	-22.53	V
2857.75	-32.61	11.27	11.12	-32.46	-13.00	-19.46	V



CAT-M Band 12 / 10MHz / 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
1407.78	-34.68	8.17	9.34	-35.85	-13.00	-22.85	H
2111.51	-34.68	9.53	10.42	-35.57	-13.00	-22.57	H
2815.92	-32.68	11.27	11.12	-32.53	-13.00	-19.53	H
1407.78	-35.81	8.17	9.34	-36.98	-13.00	-23.98	V
2111.51	-34.19	9.53	10.42	-35.08	-13.00	-22.08	V
2815.92	-32.21	11.27	11.12	-32.06	-13.00	-19.06	V
CAT-M Band 12 / 10MHz / 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
1414.50	-33.86	8.17	9.34	-35.03	-13.00	-22.03	H
2122.47	-34.11	9.53	10.42	-35.00	-13.00	-22.00	H
2830.00	-33.09	11.27	11.12	-32.94	-13.00	-19.94	H
1414.50	-35.05	8.17	9.34	-36.22	-13.00	-23.22	V
2122.47	-34.90	9.53	10.42	-35.79	-13.00	-22.79	V
2830.00	-31.77	11.27	11.12	-31.62	-13.00	-18.62	V
CAT-M Band 12 / 10MHz / 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
1421.88	-33.51	8.17	9.34	-34.68	-13.00	-21.68	H
2132.71	-35.25	9.53	10.42	-36.14	-13.00	-23.14	H
2843.63	-33.26	11.27	11.12	-33.11	-13.00	-20.11	H
1421.88	-34.77	8.17	9.34	-35.94	-13.00	-22.94	V
2132.71	-35.06	9.53	10.42	-35.95	-13.00	-22.95	V
2843.63	-31.71	11.27	11.12	-31.56	-13.00	-18.56	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※※※※※

