TEST REPORT

No.I22Z61292-EMC07

for

BLU Products,Inc.

Smart Phone

Model Name: B1550VL

FCC ID: YHLBLUB1550VL

with

Hardware Version: V1.0

Software Version: BLU_B1550VL_V12.0.02.05.02.17_Fsec

Issued Date: 2022-09-30

Note:

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I22Z61292-EMC07	Rev.0	1st edition	2022-09-30

CONTENTS

1. SUMMARY OF TEST REPORT 4
1.1. TEST ITEMS....4
1.2. TEST STANDARDS....4
1.3. TEST RESULT 4
1.4. TESTING LOCATION 4
1.5. PROJECT DATA 4
1.6. SIGNATURE....4
2. CLIENT INFORMATION....5
2.1. APPLICANT INFORMATION....5
2.2. MANUFACTURER INFORMATION....5
3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE) 6
3.1. ABOUT EUT....6
3.2. INTERNAL IDENTIFICATION OF EUT USED DURING THE TEST 6
3.3. INTERNAL IDENTIFICATION OF AE USED DURING THE TEST....6
3.4. GENERAL DESCRIPTION 6
4. REFERENCE DOCUMENTS....7
5. LABORATORY ENVIRONMENT....8
6. SUMMARY OF TEST RESULTS....9
7. STATEMENT....10
8. TEST EQUIPMENTS UTILIZED....11
ANNEX A: MEASUREMENT RESULTS....12
A.1 Emission Limit.... 12

1. SUMMARY OF TEST REPORT

1.1. Test Items

Description	Smart Phone
Model Name	B1550VL
Brand Name	BLU
Applicant's name	BLU Products,Inc.
Manufacturer's Name	BLU Products,Inc.

1.2. Test Standards

FCC Part 2/22/24/27	10-1-20 Edition
ANSI C63.26	2015
KDB971168 D01	v03r01

1.3. Test Result

All test items are passed. Please refer to "6 Summary of Test Results" for detail.

1.4. Testing Location

Address: No.18A, Kangding Street, Beijing Economic-Technology Development Area, Beijing, P. R. China 100176

1.5. Project Data

Testing Start Date: 2022-07-08 Testing End Date: 2022-09-25

1.6. Signature

Wang Xue

(Prepared this test report)

Zhang Ying

(Reviewed this test report)

Zhang Xia

(Approved this test report)

2. CLIENT INFORMATION

2.1. Applicant Information

Company Name: BLU Products,Inc.
Address /Post: 10814 NW 33rd St # 100 Doral, FL 33172,USA
Contact： Zeng wei
Email： zwei@ctasiasz.com
Telephone: 305.715.7171
Fax: 305.436.8819

2.2. Manufacturer Information

Company Name: BLU Products,Inc.
Address /Post: 10814 NW 33rd St # 100 Doral, FL 33172,USA
Contact： Zeng wei
Email： zwei@ctasiasz.com
Telephone: 305.715.7171
Fax: 305.436.8819

3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE)

3.1. About EUT

Description	Smart Phone
Model Name	B1550VL
FCC ID	YHLBLUB1550VL
Frequency Bands	LTE Bands 2,4,5,12,13,66, CA_5B,CA_66B,CA_66C, CA_4A-13A,CA_2A-13A,CA_13A-66A,CA_2A-5A,CA_5A-66A
Antenna	Integrated
Extreme vol. Limits	3.6V to 4.4V (nominal: 3.85V)
Condition of EUT as received	No abnormality in appearance

Note1: Components list, please refer to documents of the manufacturer.

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
UT47a	350547790009621	V1.0	BLU_B1550VL_V12.0.02.05.02.17_Fsec	2022-08-09

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE used during the test

AE ID*	Description
AE1	Battery

*AE ID: is used to identify the test sample in the lab internally.

3.4. General Description

The Equipment Under Test (EUT) is a model Mobile Phone with integrated antenna. It consists of normal options: lithium battery, charger. Manual and specifications of the EUT were provided to fulfil the test. Samples undergoing test were selected by the Client.

4. REFERENCE DOCUMENTS

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part 2	FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS	10-1-20 Edition
FCC Part 22	PUBLIC MOBILE SERVICES	10-1-20 Edition
FCC Part 24	PERSONAL COMMUNICATIONS SERVICES	10-1-20 Edition
FCC Part 27	MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES	10-1-20 Edition
ANSI C63.26	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services	2015
KDB971168 D01	Power Meas License Digital Systems	v03r01

5. LABORATORY ENVIRONMENT

Semi-anechoic chamber 2 / Fully-anechoic chamber 3 (10 meters×6.7 meters×6.15 meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 ˚C, Max. = 30 ˚C
Relative humidity	Min. = 35 %, Max. = 60 %
Shielding effectiveness	> 100 dB
Electrical insulation	>2 MΩ
Ground system resistance	< 0.5Ω
Normalised site attenuation (NSA)	<±3.5 dB, 3 m distance
Site voltage standing-wave ratio (S_{VSWR})	Between 0 and 6 dB, from 1GHz to 18GHz
Uniformity of field strength	Between 0 and 6 dB, from 80 to 6000 MHz

6. SUMMARY OF TEST RESULTS

Abbreviations used in this clause:		
Verdict Column	P	Pass
	F	Fail
	NA	Not applicable
	NM	Not measured

LTE Band 2

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Emission Limit	2.1051/24.238	A.1	P

LTE Band 4

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Emission Limit	2.1051/27.53	A.1	P

LTE band 5

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Emission Limit	2.1051/22.917	A.1	P

LTE Band 12

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Emission Limit	2.1051/27.53	A.1	P

LTE Band 13

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Emission Limit	2.1051/27.53	A.1	P

LTE Band 66

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Emission Limit	2.1051/27.53	A.1	P

7. STATEMENT

Since the information of samples in this report is provided by the client, the laboratory is not responsible for the authenticity of sample information.

This report takes measured values as criterion of test conclusion. The test conlusion meets the limit requirements.

8. TEST EQUIPMENTS UTILIZED

NO.	Description	TYPE	Manufacture	series number	CAL DUE DATE
1	Test Receiver	E4440A	MY48250642	Agilent	2023-03-10
2	EMI Antenna	VULB9163	9163-482	Schwarzbeck	2022-11-16
3	EMI Antenna	LB-7180-NF	J203001300005	A-INFO	2023-02-23
4	EMI Antenna	3117	00058889	ETS-Lindgren	2022-11-07
5	Signal Generator	SMF100A	101295	R&S	2022-12-11
6	Universal Radio Communication Tester	CMW500	143008	R&S	2022-12-11
7	Universal Communication Tester	MT8821C	6262257899	Anritsu	2023-05-15

ANNEX A: MEASUREMENT RESULTS

A.1 Emission Limit

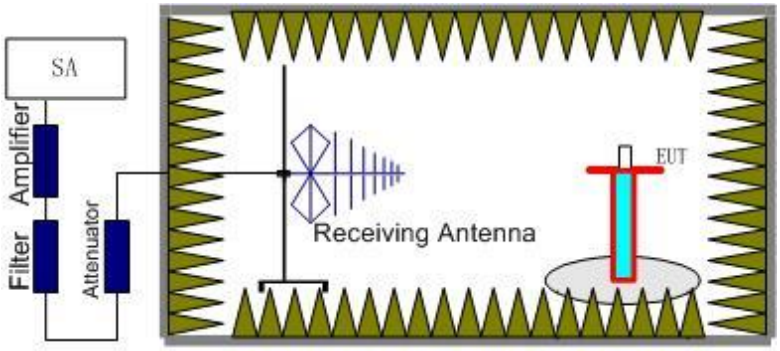
A.1.1 Measurement Method

The measurements procedures in TIA-603E-2016 are used. This measurement is carried out in fully anechoic chamber FAC-3.

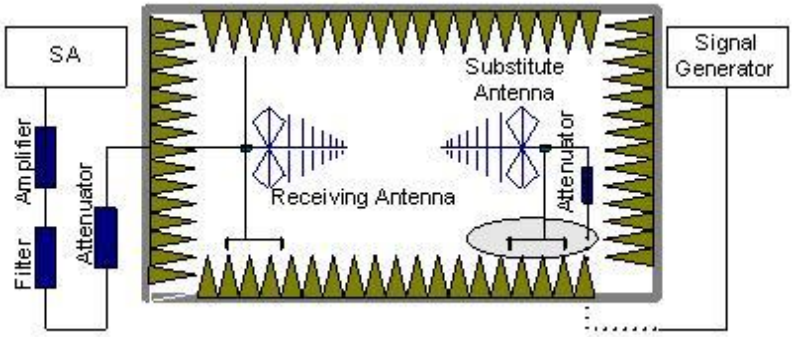
The spectrum was scanned from 30 MHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier. The resolution bandwidth is set 1MHz. The spectrum was scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of each LTE Band.

The procedure of radiated spurious emissions is as follows:

1. 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 EUT for emission measurements. The height of receiving antenna is 1.5m. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT through 360 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.



2. The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (Pr).
3. The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.



In the chamber, a substitution antenna for the frequency band of interest is placed at the

reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna. Adjust the level of the signal generator output until the value of the receiver reaches the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

4. The Path loss (P_{pl}) between the Signal Source with the Substitution Antenna and the Substitution Antenna Gain (G_a) should be recorded after test.
   An amplifier should be connected in for the test.
   The Path loss (P_{pl}) is the summation of the cable loss and the gain of the amplifier.
   The measurement results are obtained as described below:
   Power (EIRP)=P_{Mea} - P_{pl} + G_a
5. This value is EIRP since the measurement is calibrated using an antenna of known gain (unit: dBi) and known input power.
6. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP - 2.15dB.

A.1.2 Measurement Limit

FDD Band 2/25: Part 24.238 specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.
FDD Band 4/66: Part 27.53(h) specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.
FDD Band 5/26(824MHz~849MHz): Part 22.917 specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.
FDD Band 12/71: Part 27.53(g) states for operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a licensee’s frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee’s frequency block, a resolution bandwidth of at least 30 kHz may be employed.

A.1.3 Measurement Results

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies of each LTE Band. 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 each LTE Band into any of the other blocks. The equipment must still, however, meet emissions requirements with the carrier at all frequencies over which it is capable of operating and it is the manufacturer's responsibility to verify this. The range of evaluated

frequency is from 30MHz to 26GHz. All combinations of CA UL bands have been tested, only the worst cases are reported.

LTE Band 2, 1.4MHz, QPSK, Channel 18607

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3702.02	-45.15	6.42	8.48	-43.09	-13.00	30.09	H
5553.02	-43.27	7.18	10.59	-39.86	-13.00	26.86	H
7402.01	-30.41	8.12	12.08	-26.45	-13.00	13.45	V
9254.01	-40.85	9.05	13.25	-36.65	-13.00	23.65	H
11109.01	-40.70	9.80	13.18	-37.32	-13.00	24.32	V
12955.01	-43.41	10.48	13.47	-40.42	-13.00	27.42	H

LTE Band 2, 1.4MHz, QPSK, Channel 18900

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3760.02	-47.23	6.26	8.56	-44.93	-13.00	31.93	V
5640.02	-39.93	7.27	10.57	-36.63	-13.00	23.63	V
7520.01	-26.90	8.31	12.22	-22.99	-13.00	9.99	V
9400.01	-38.93	9.04	13.34	-34.63	-13.00	21.63	H
11285.01	-36.31	9.91	13.14	-33.08	-13.00	20.08	V
13112.01	-44.16	10.88	13.66	-41.38	-13.00	28.38	V

LTE Band 2, 1.4MHz, QPSK, Channel 19193

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3819.02	-43.47	6.08	8.65	-40.90	-13.00	27.90	V
5730.02	-43.60	7.29	10.55	-40.34	-13.00	27.34	V
7639.01	-29.46	8.15	12.31	-25.30	-13.00	12.30	V
9548.01	-46.53	9.37	13.35	-42.55	-13.00	29.55	H
11461.01	-42.53	9.91	13.11	-39.33	-13.00	26.33	V
13367.01	-44.29	10.57	14.01	-40.85	-13.00	27.85	V

LTE Band 5, 1.4MHz, QPSK, Channel 20407

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1649.01	-52.38	3.56	5.23	2.15	-52.86	-13.00	39.86	H
2474.00	-45.96	4.60	6.02	2.15	-46.69	-13.00	33.69	V
3299.02	-41.91	5.29	7.72	2.15	-41.63	-13.00	28.63	V
4126.02	-43.20	6.04	9.03	2.15	-42.36	-13.00	29.36	V
4945.01	-57.53	6.70	9.85	2.15	-56.53	-13.00	43.53	V
5765.01	-56.95	7.24	10.55	2.15	-55.79	-13.00	42.79	H

LTE Band 5, 1.4MHz, QPSK, Channel 20525

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1673.01	-52.46	3.58	5.19	2.15	-53.00	-13.00	40.00	V
2510.00	-46.40	4.63	6.12	2.15	-47.06	-13.00	34.06	H
3346.02	-51.78	5.31	7.83	2.15	-51.41	-13.00	38.41	V
4184.02	-49.49	6.17	9.08	2.15	-48.73	-13.00	35.73	H
5020.01	-57.06	6.57	9.93	2.15	-55.85	-13.00	42.85	V
5842.01	-57.11	7.21	10.53	2.15	-55.94	-13.00	42.94	V

LTE Band 5, 1.4MHz, QPSK, Channel 20643

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1697.01	-51.62	3.60	5.15	2.15	-52.22	-13.00	39.22	V
2553.00	-45.94	4.67	6.20	2.15	-46.56	-13.00	33.56	H
3394.02	-52.49	5.36	7.95	2.15	-52.05	-13.00	39.05	V
4243.02	-52.05	6.25	9.14	2.15	-51.31	-13.00	38.31	H
5097.01	-56.24	6.76	10.04	2.15	-55.11	-13.00	42.11	V
5924.01	-56.69	7.47	10.52	2.15	-55.79	-13.00	42.79	V

LTE Band 12, 1.4MHz, QPSK, Channel 23017

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1400.01	-54.70	3.24	4.98	2.15	-55.11	-13.00	42.11	H
2108.00	-49.80	4.20	4.92	2.15	-51.23	-13.00	38.23	V
2800.00	-46.13	4.91	6.64	2.15	-46.55	-13.00	33.55	V
3499.02	-49.04	5.52	8.20	2.15	-48.51	-13.00	35.51	V
4202.02	-49.22	6.21	9.10	2.15	-48.48	-13.00	35.48	H
4900.01	-57.15	6.73	9.80	2.15	-56.23	-13.00	43.23	V

LTE Band 12, 1.4MHz, QPSK, Channel 23095

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1428.01	-55.58	3.27	5.13	2.15	-55.87	-13.00	42.87	H
2123.00	-40.62	4.21	4.97	2.15	-42.01	-13.00	29.01	H
2830.00	-43.38	4.95	6.69	2.15	-43.79	-13.00	30.79	V
3538.02	-42.42	5.70	8.25	2.15	-42.02	-13.00	29.02	V
4247.02	-48.66	6.24	9.15	2.15	-47.90	-13.00	34.90	H
4938.01	-55.63	6.71	9.84	2.15	-54.65	-13.00	41.65	V

LTE Band 12, 1.4MHz, QPSK, Channel 23173

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1431.01	-53.81	3.28	5.14	2.15	-54.10	-13.00	41.10	H
2146.00	-40.38	4.24	5.04	2.15	-41.73	-13.00	28.73	H
2862.00	-41.13	4.96	6.75	2.15	-41.49	-13.00	28.49	V
3577.02	-38.95	6.10	8.31	2.15	-38.89	-13.00	25.89	V
4292.02	-47.67	6.20	9.19	2.15	-46.83	-13.00	33.83	H
5008.01	-57.53	6.59	9.91	2.15	-56.36	-13.00	43.36	H

LTE Band 13, 5MHz, QPSK, Channel 23205

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1559.39	-65.51	3.47	5.39	0.00	-65.74	-40.00	25.74	V
2338.98	-38.92	4.44	5.62	2.15	-39.89	-13.00	26.89	V
3119.02	-37.80	5.38	7.29	2.15	-38.04	-13.00	25.04	H
3898.52	-39.91	6.11	8.76	2.15	-39.41	-13.00	26.41	V
4675.52	-58.39	6.48	9.58	2.15	-57.44	-13.00	44.44	H
5461.01	-57.78	6.91	10.55	2.15	-56.29	-13.00	43.29	V

LTE Band 13, 5MHz, QPSK, Channel 23230

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1564.46	-64.23	3.48	5.38	0.00	-64.48	-40.00	24.48	V
2346.70	-41.30	4.45	5.64	2.15	-42.26	-13.00	29.26	V
3128.52	-40.85	5.40	7.31	2.15	-41.09	-13.00	28.09	H
3911.02	-43.07	6.12	8.78	2.15	-42.56	-13.00	29.56	V
4688.02	-59.05	6.50	9.59	2.15	-58.11	-13.00	45.11	V
5478.01	-58.20	6.98	10.57	2.15	-56.76	-13.00	43.76	H

LTE Band 13, 5MHz, QPSK, Channel 23255

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1569.40	-64.81	3.48	5.38	0.00	-65.06	-40.00	25.06	V
2345.19	-47.67	4.45	5.64	2.15	-48.63	-13.00	35.63	H
3139.02	-54.32	5.38	7.33	2.15	-54.52	-13.00	41.52	V
3923.52	-49.51	6.12	8.79	2.15	-48.99	-13.00	35.99	V
4712.02	-57.67	6.51	9.61	2.15	-56.72	-13.00	43.72	V
5504.51	-57.24	7.08	10.60	2.15	-55.87	-13.00	42.87	V

LTE Band 66, 1.4MHz QPSK, Channel 131979

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3422.02	-48.01	5.38	8.01	-45.38	-13.00	32.38	V
5133.02	-60.33	6.86	10.09	-57.10	-13.00	44.10	H
6843.01	-38.15	7.83	11.41	-34.57	-13.00	21.57	H
8553.01	-46.81	8.58	13.01	-42.38	-13.00	29.38	V
10265.01	-47.06	9.52	13.01	-43.57	-13.00	30.57	H
11978.01	-54.79	10.15	13.00	-51.94	-13.00	38.94	H

LTE Band 66, 1.4MHz, QPSK, Channel 132322

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3490.02	-52.59	5.50	8.18	-49.91	-13.00	36.91	V
5236.02	-61.22	7.00	10.23	-57.99	-13.00	44.99	H
6980.01	-40.04	8.14	11.58	-36.60	-13.00	23.60	H
8725.01	-52.81	8.43	13.05	-48.19	-13.00	35.19	H
10471.01	-46.12	9.70	13.09	-42.73	-13.00	29.73	H
12220.01	-56.11	10.05	13.09	-53.07	-13.00	40.07	H

LTE Band 66, 1.4MHz, QPSK, Channel 132665

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3559.02	-48.59	5.92	8.28	-46.23	-13.00	33.23	H
5339.02	-59.90	6.96	10.37	-56.49	-13.00	43.49	H
7118.01	-42.55	8.16	11.74	-38.97	-13.00	25.97	H
8897.01	-55.43	8.84	13.08	-51.19	-13.00	38.19	V
10676.01	-48.13	9.30	13.14	-44.29	-13.00	31.29	H
12456.01	-53.68	10.29	13.18	-50.79	-13.00	37.79	V

CA 2A-13A, 5M+5MHz, CH18625+CH23205

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3119.01	-50.42	5.38	7.29	-48.51	-13.00	35.51	V
3705.01	-50.82	6.42	8.49	-48.75	-13.00	35.75	H
5560.01	-41.95	7.19	10.59	-38.55	-13.00	25.55	V
7411.01	-35.66	8.15	12.09	-31.72	-13.00	18.72	V
9270.01	-44.21	9.08	13.26	-40.03	-13.00	27.03	V
12969.00	-32.70	10.48	13.48	-29.70	-13.00	16.70	H

CA 2A-13A, 5M+5MHz, CH18900+CH23230

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3760.01	-52.08	6.26	8.56	-49.78	-13.00	36.78	H
5642.01	-35.27	7.27	10.57	-31.97	-13.00	18.97	V
7521.01	-36.85	8.31	12.22	-32.94	-13.00	19.94	V
9401.01	-45.35	9.04	13.34	-41.05	-13.00	28.05	H
11281.00	-44.58	9.88	13.14	-41.32	-13.00	28.32	H
13164.00	-33.05	10.66	13.73	-29.98	-13.00	16.98	V

CA 2A-13A, 5M+5MHz, CH19175+CH23255

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3815.01	-51.09	6.09	8.64	-48.54	-13.00	35.54	V
5723.01	-38.80	7.30	10.56	-35.54	-13.00	22.54	H
7630.01	-38.20	8.11	12.30	-34.01	-13.00	21.01	V
9542.01	-41.54	9.39	13.36	-37.57	-13.00	24.57	H
11446.00	-42.73	9.95	13.11	-39.57	-13.00	26.57	H
13360.00	-32.25	10.57	14.00	-28.82	-13.00	15.82	V

CA 4A-13A, 5M+5MHz, CH19975+CH23205

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3119.01	-48.60	5.38	7.29	-46.69	-13.00	33.69	V
3899.01	-50.28	6.11	8.76	-47.63	-13.00	34.63	V
5138.01	-46.13	6.86	10.09	-42.90	-13.00	29.90	H
6851.01	-41.26	7.82	11.42	-37.66	-13.00	24.66	H
8562.01	-46.18	8.56	13.01	-41.73	-13.00	28.73	V
10280.01	-47.83	9.57	13.01	-44.39	-13.00	31.39	V

CA 4A-13A, 5M+5MHz, CH20175+CH23230

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3129.01	-53.55	5.40	7.31	-51.64	-13.00	38.64	V
3465.01	-57.74	5.46	8.12	-55.08	-13.00	42.08	V
5198.01	-46.85	6.96	10.18	-43.63	-13.00	30.63	H
6930.01	-50.12	7.76	11.52	-46.36	-13.00	33.36	H
8664.01	-51.71	8.41	13.03	-47.09	-13.00	34.09	V
10395.01	-50.51	9.79	13.06	-47.24	-13.00	34.24	V

CA 4A-13A, 5M+5MHz, CH20375+CH23255

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3505.01	-57.41	5.53	8.21	-54.73	-13.00	41.73	V
5259.01	-42.24	7.00	10.26	-38.98	-13.00	25.98	V
7014.01	-38.40	8.28	11.62	-35.06	-13.00	22.06	V
8767.01	-45.04	8.56	13.05	-40.55	-13.00	27.55	V
10542.00	-50.36	9.50	13.11	-46.75	-13.00	33.75	V
12269.00	-42.76	10.01	13.11	-39.66	-13.00	26.66	V

CA 13A-66A, 5M+5MHz, CH23205+CH131997

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3424.84	-53.30	5.38	8.02	2.15	-52.81	-13.00	39.81	H
5138.75	-52.86	6.86	10.09	2.15	-51.78	-13.00	38.78	H
6848.48	-48.68	7.83	11.42	2.15	-47.24	-13.00	34.24	H
8581.88	-51.18	8.53	13.02	2.15	-48.84	-13.00	35.84	V
10284.65	-48.98	9.59	13.01	2.15	-47.71	-13.00	34.71	V
11992.98	-45.93	10.08	13.00	2.15	-45.16	-13.00	32.16	V

CA 13A-66A, 5M+5MHz, CH23230+CH132322

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3490.30	-37.09	5.50	8.18	2.15	-36.56	-13.00	23.56	V
5236.25	-52.88	7.00	10.23	2.15	-51.80	-13.00	38.80	H
6980.80	-42.61	8.15	11.58	2.15	-41.33	-13.00	28.33	V
8733.01	-51.88	8.46	13.05	2.15	-49.44	-13.00	36.44	V
10471.29	-41.37	9.69	13.09	2.15	-40.12	-13.00	27.12	H
12223.50	-46.33	10.04	13.09	2.15	-45.43	-13.00	32.43	V

CA 13A-66A, 5M+5MHz, CH23255+CH132647

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3555.77	-38.55	5.88	8.28	2.15	-38.30	-13.00	25.30	V
5333.05	-50.85	6.97	10.37	2.15	-49.60	-13.00	36.60	H
7170.23	-53.21	8.18	11.80	2.15	-51.74	-13.00	38.74	H
8888.31	-47.27	8.82	13.08	2.15	-45.16	-13.00	32.16	H
10666.29	-42.03	9.30	13.13	2.15	-40.35	-13.00	27.35	V
12510.43	-46.21	10.20	13.21	2.15	-45.35	-13.00	32.35	V

CA 5A-66A, 5M+10MHz, CH20425+CH132022

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3429.02	-56.82	5.39	8.03	2.15	-56.33	-13.00	43.33	V
5145.71	-44.70	6.88	10.10	2.15	-43.63	-13.00	30.63	H
6860.32	-42.57	7.81	11.43	2.15	-41.10	-13.00	28.10	V
8574.92	-46.79	8.54	13.01	2.15	-44.47	-13.00	31.47	H
10291.61	-49.20	9.61	13.02	2.15	-47.94	-13.00	34.94	V
11997.86	-46.52	10.06	13.00	2.15	-45.73	-13.00	32.73	V

CA 5A-66A, 5M+10MHz, CH20525+CH132322

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3490.30	-50.19	5.50	8.18	2.15	-49.66	-13.00	36.66	H
5235.55	-56.15	7.00	10.23	2.15	-55.07	-13.00	42.07	H
6980.10	-38.55	8.14	11.58	2.15	-37.26	-13.00	24.26	H
8733.70	-52.30	8.46	13.05	2.15	-49.86	-13.00	36.86	V
10466.42	-48.38	9.70	13.09	2.15	-47.14	-13.00	34.14	V
12218.63	-46.60	10.05	13.09	2.15	-45.71	-13.00	32.71	V

CA 5A-66A, 5M+10MHz, CH20625+CH132622

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3548.11	-57.56	5.80	8.27	2.15	-57.24	-13.00	44.24	V
5322.60	-58.97	6.99	10.35	2.15	-57.76	-13.00	44.76	V
7099.89	-38.08	8.16	11.72	2.15	-36.67	-13.00	23.67	H
8874.38	-52.34	8.80	13.07	2.15	-50.22	-13.00	37.22	H
10650.27	-47.91	9.29	13.13	2.15	-46.22	-13.00	33.22	V
12426.16	-46.00	10.37	13.17	2.15	-45.35	-13.00	32.35	V

CA 66B, 5M+10MHz, CH132000+CH132072

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3426.01	-46.73	5.39	8.02	-44.10	-13.00	31.10	V
5139.01	-57.60	6.86	10.09	-54.37	-13.00	41.37	H
6854.01	-43.95	7.82	11.42	-40.35	-13.00	27.35	H
8566.01	-52.66	8.55	13.01	-48.20	-13.00	35.20	H
10279.01	-41.75	9.57	13.01	-38.31	-13.00	25.31	H
11985.00	-48.40	10.12	13.00	-45.52	-13.00	32.52	V

CA 66B, 5M+10MHz, CH132375+CH132447

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3501.01	-45.60	5.52	8.20	-42.92	-13.00	29.92	V
5238.01	-59.60	7.00	10.23	-56.37	-13.00	43.37	H
7004.01	-47.52	8.29	11.60	-44.21	-13.00	31.21	H
8742.01	-53.26	8.49	13.05	-48.70	-13.00	35.70	V
10505.00	-50.10	9.63	13.10	-46.63	-13.00	33.63	V
12270.00	-47.80	10.01	13.11	-44.70	-13.00	31.70	V

CA 66B, 5M+10MHz, CH132550+CH132622

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3536.01	-40.88	5.68	8.25	-38.31	-13.00	25.31	V
5328.01	-60.14	6.98	10.36	-56.76	-13.00	43.76	V
7078.01	-44.30	8.19	11.69	-40.80	-13.00	27.80	H
8817.01	-53.41	8.69	13.06	-49.04	-13.00	36.04	V
10608.00	-48.98	9.28	13.12	-45.14	-13.00	32.14	V
12368.00	-47.81	10.30	13.15	-44.96	-13.00	31.96	V

CA 5B,5M+10MHz, CH20428+CH20500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1659.01	-54.90	3.57	5.21	2.15	-55.41	-13.00	42.41	H
2514.50	-46.84	4.64	6.13	2.15	-47.50	-13.00	34.50	H
3346.14	-60.11	5.31	7.83	2.15	-59.74	-13.00	46.74	V
4186.04	-57.58	6.17	9.09	2.15	-56.81	-13.00	43.81	H
4993.89	-57.34	6.61	9.89	2.15	-56.21	-13.00	43.21	H
5833.78	-56.70	7.18	10.53	2.15	-55.50	-13.00	42.50	V

CA 5B,5M+10MHz, CH20478+CH20550

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1658.51	-55.00	3.57	5.21	2.15	-55.51	-13.00	42.51	H
2503.50	-47.12	4.63	6.11	2.15	-47.79	-13.00	34.79	H
3344.06	-59.74	5.31	7.83	2.15	-59.37	-13.00	46.37	V
4167.93	-57.37	6.13	9.07	2.15	-56.58	-13.00	43.58	H
5008.52	-57.61	6.59	9.91	2.15	-56.44	-13.00	43.44	H
5819.16	-56.48	7.16	10.54	2.15	-55.25	-13.00	42.25	V

CA 5B,5M+10MHz, CH20528+CH20600

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1675.01	-54.45	3.58	5.18	2.15	-55.00	-13.00	42.00	H
2524.00	-45.93	4.65	6.14	2.15	-46.59	-13.00	33.59	H
3339.18	-60.95	5.31	7.81	2.15	-60.60	-13.00	47.60	V
4192.30	-56.34	6.19	9.09	2.15	-55.59	-13.00	42.59	H
5020.36	-57.67	6.57	9.93	2.15	-56.46	-13.00	43.46	H
5860.94	-56.72	7.27	10.53	2.15	-55.61	-13.00	42.61	V

Note: The maximum value of expanded measurement uncertainty for this test item is U = 4.69 dB, k = 2.

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