



TEST REPORT

Applicant Name : PROMETHEUS GROUP LLC
Address : PO BOX 130100 BIRMINGHAM, ALABAMA 35213-0100 USA
Report Number : SZNS211015-53047E-00A
FCC ID: 2ALGTBTC-4G-V

Test Standard (s)

FCC PART 27; FCC PART 22H; FCC PART 24E

Sample Description

Product Type: Hunting Camera
Model No.: BTC-4G-V
Trade Mark: BROWNING
Date Received: 2021-10-15
Date of Test: 2021-10-28
Report Date: 2021-11-12

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

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EMC Engineer

Approved By:

Candy Li
EMC Engineer

Note: This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk "★".

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	Hunting Camera
Tested Model	BTC-4G-V
Radio	LTE Cat M1
Frequency Range	LTE Band 2: 1850-1910MHz(TX); 1930-1990MHz(RX) LTE Band 4: 1710-1755MHz(TX); 2110-2155MHz(RX) LTE Band 5: 824-849MHz(TX); 869-894MHz(RX) LTE Band 12: 699-716MHz(TX); 729-746MHz(RX) LTE Band 13: 777-787MHz(TX); 746-756MHz(RX) LTE Band 25: 1850-1915MHz(TX); 1930-1995MHz(RX) LTE Band 26: 824-849MHz(TX); 869-894MHz(RX) LTE Band 66: 1710-1780MHz(TX); 2110-2180MHz(RX) LTE Band 85: 698-716MHz(TX); 728-746MHz(RX)
Output Power (Conducted power)	LTE Band 2: 20.89dBm LTE Band 4: 20.79dBm LTE Band 5: 20.65dBm LTE Band 12: 20.42dBm LTE Band 13: 20.47dBm LTE Band 25: 20.39dBm LTE Band 26: 20.49dBm LTE Band 66: 20.03dBm LTE Band 85: 21.26dBm
Modulation Technique	4G: QPSK, 16QAM
Antenna Specification*	LTE Band 2: 2.8dBi LTE Band 4: 2.7dBi LTE Band 5: 0.8dBi LTE Band 12: 0.33dBi LTE Band 13: 0.33dBi LTE Band 25: 2.8dBi LTE Band 26: 0.8dBi LTE Band 66: 2.7dBi LTE Band 85: 0.33dBi (provided by the applicant)
Voltage Range	DC 12V from battery or adapter
Sample serial number	SZNS211015-53047E-RF-S1(Assigned by ATC)
Sample/EUT Status	Good condition

Objective

This test report is in accordance with Part 2-Subpart J, Part 22-Subpart H, Part 24-Subpart E, and Subpart 27 of the Federal Communication Commission's rules.

The objective is to determine the compliance of the EUT with FCC rules for output power, modulation characteristic, occupied bandwidth, and spurious emission at antenna terminal, spurious radiated emission, frequency stability and band edge.

Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2-Subpart J as well as the following parts:

Part 22 Subpart H - Public Mobile Services
Part 24 Subpart E - Personal Communication Services
Part 27 - Miscellaneous Wireless Communications Services

ANSI C63.26-2015: American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

All emissions measurement was performed at Shenzhen Accurate Technology Co., Ltd. The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement Uncertainty

Parameter		Uncertainty
Emissions, Radiated	9kHz - 30MHz	2.66dB
	30MHz - 1GHz	4.28dB
	1GHz - 18GHz	4.98dB
	18GHz - 26.5GHz	5.06dB
	26.5GHz - 40GHz	4.72dB
Temperature		1°C
Humidity		6%
Supply voltages		0.4%

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The Test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 708358, the FCC Designation No.: CN1189. Accredited by American Association for Laboratory Accreditation (A2LA) The Certificate Number is 429 7.01.

Listed by Innovation, Science and Economic Development Canada (ISED), the Registration Number is 5077A.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The final qualification test was performed with the EUT operating at normal mode.

Band	Channel Bandwidth	Frequency
LTE Band 2	1.4 MHz	1850.7MHz, 1880.0 MHz, 1909.3 MHz;
	3.0 MHz	1851.5MHz, 1880.0 MHz, 1908.5 MHz;
	5.0 MHz	1852.5MHz, 1880.0 MHz, 1907.5 MHz;
	10.0 MHz	1855MHz, 1880.0 MHz, 1905 MHz;
	15.0 MHz	1857.5MHz, 1880.0 MHz, 1902.5 MHz;
	20.0 MHz	1860MHz, 1880.0 MHz, 1900MHz;
LTE Band 4	1.4 MHz	1710.7MHz, 1732.5MHz, 1754.3MHz;
	3.0 MHz	1711.5MHz, 1732.5MHz, 1753.5MHz
	5.0 MHz	1712.5MHz, 1732.5MHz, 1752.5MHz
	10.0 MHz	1715MHz, 1732.5MHz, 1750MHz
	15.0 MHz	1717.5MHz, 1732.5MHz, 1747.5MHz
	20.0 MHz	1720MHz, 1732.5MHz, 1745MHz
LTE Band 5	1.4 MHz	824.7MHz, 836.5MHz, 848.3MHz
	3.0 MHz	825.5MHz, 836.5MHz, 847.5MHz
	5.0 MHz	826.5MHz, 836.5MHz, 846.5MHz
	10.0 MHz	829MHz, 836.5MHz, 844MHz
LTE Band 12	1.4 MHz	699.7MHz, 707.5MHz, 715.3MHz
	3.0 MHz	700.5MHz, 707.5MHz, 714.5MHz
	5.0 MHz	701.5MHz, 707.5MHz, 713.5MHz
	10.0 MHz	704.0MHz, 707.5MHz, 711.0MHz
LTE Band 13	5.0 MHz	779.5MHz, 782MHz, 784.5MHz
	10.0 MHz	782MHz
LTE Band 25	1.4 MHz	1850.7MHz, 1882.5MHz, 1914.3MHz
	3 MHz	1851.5MHz, 1882.5MHz, 1913.5MHz
	5 MHz	1852.5MHz, 1882.5MHz, 1912.5MHz
	10.0 MHz	1855.0MHz, 1882.5MHz, 1910MHz
	15.0 MHz	1857.5MHz, 1882.5MHz, 1907.5MHz
	20.0 MHz	1860.0MHz, 1882.5MHz, 1905MHz
LTE Band 26	1.4 MHz	824.7MHz, 836.5MHz, 848.3MHz
	3 MHz	825.5MHz, 836.5MHz, 847.5MHz
	5 MHz	826.5MHz, 836.5MHz, 846.5MHz
	10.0 MHz	829.0MHz, 836.5MHz, 844.0MHz
	15.0 MHz	831.5MHz, 836.5MHz, 841.5MHz
LTE Band 66	1.4 MHz	1710.7MHz, 1745.0MHz, 1779.3MHz
	3.0 MHz	1711.5MHz, 1745.0MHz, 1778.5MHz
	5.0 MHz	1712.5MHz, 1745.0MHz, 1777.5MHz
	10.0 MHz	1715.0MHz, 1745.0MHz, 1775.0MHz
	15.0 MHz	1717.5MHz, 1745.0MHz, 1772.5MHz
	20.0 MHz	1720.0MHz, 1745.0MHz, 1770.0MHz
LTE Band 85	5.0 MHz	700.5MHz, 707.0MHz, 713.5MHz
	10.0 MHz	703.0MHz, 707.0MHz, 711.0MHz

Equipment Modifications

No modification was made to the EUT.

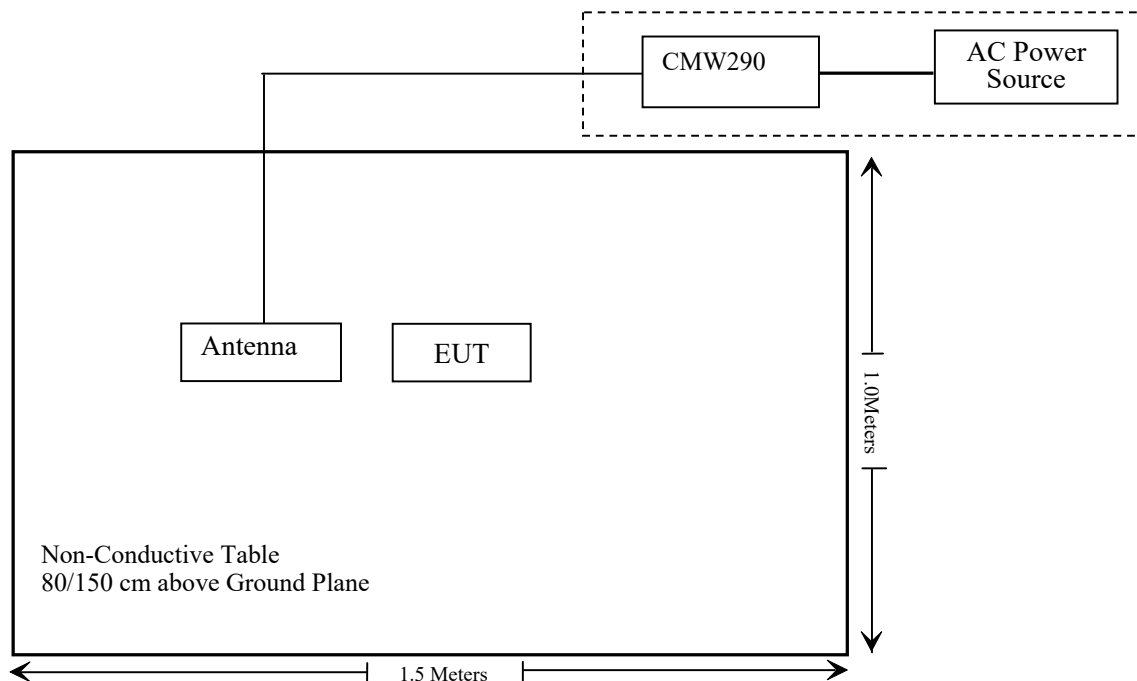
Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Rohde & Schwarz	Functional Radio Communication Tester	CMW290	154606
Un-Known	ANTENNA	Un-Known	Un-Known

Support Cable Description

Cable Description	Length (m)	From / Port	To
/	/	/	/

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC §1.1307 (b) (1) & §2.1091	Maximum Permissible exposure (MPE)	Compliant
§2.1046; § 22.913 (a); § 24.232 (c); §27.50 (b) (c) (d) (h);	RF Output Power	Compliant*
§ 2.1047	Modulation Characteristics	Not Applicable
§ 2.1049; § 22.905; § 22.917; § 24.238; §27.53	Occupied Bandwidth	Compliant*
§ 2.1051; § 22.917 (a); § 24.238 (a); §27.53;	Spurious Emissions at Antenna Terminal	Compliant*
§ 2.1053; § 22.917 (a); § 24.238 (a); §27.53	Field Strength of Spurious Radiation	Compliant
§ 22.917 (a); § 24.238 (a); §27.53 (c) (h) (m)	Band Edge	Compliant*
§ 2.1055; § 22.355; § 24.235; §27.54;	Frequency stability	Compliant*

Note 1:

Compliant*: This device contains one same radio unit, which certified with product model of BG95-M1, FCC ID: 2ALGTBG95M1, and the current device had been tested and verified the RF parameters consistently with the original device, please refers to report: R2004A0250-R1V3, R2004A0250-R2V3, R2004A0250-R3V3, R2004A0250-R4V2, issued by TA Technology (Shanghai) Co., Ltd. on 2020-07-13.

Note 2: Maximum ERP/EIRP

Mode	Frequency (MHz)	Conducted power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	Cable Loss (dB)	ERP* (dBm)	Limit (dBm)
LTE B5	824-849	20.65	0.8	-1.35	0.5	18.8	38.45
LTE B12	699-716	20.42	0.33	-1.82	0.5	18.1	44.77
LTE B13	777-787	20.47	0.33	-1.82	0.5	18.15	44.77
LTE B26 (Part 22)	824-849	20.49	0.8	-1.35	0.5	18.64	38.45
LTE B85	698-716	21.26	0.33	-1.82	0.5	18.94	44.77

Note*: $ERP(dBm) = \text{Conducted Power}(dBm) + \text{Antenna Gain}(dBd) - \text{Cable loss}(dB)$
 $0dBd=2.15dBi$, Cable Loss provided by the applicant.

Mode	Frequency (MHz)	Conducted power (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	EIRP* (dBm)	Limit (dBm)
LTE B2	1850-1910	20.89	2.8	0.8	22.89	33
LTE B4	1710-1755	20.79	2.7	0.8	22.69	30
LTE B25	1850-1915	20.39	2.8	0.8	22.39	33
LTE B66	1710-1780	20.03	2.7	0.8	21.93	30

Note*: $EIRP(dBm) = \text{Conducted Power}(dBm) + \text{Antenna Gain}(dBi) - \text{Cable loss}(dB)$
Cable Loss provided by the applicant.

Test Equipment List

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test					
Rohde& Schwarz	Test Receiver	ESR	101817	2020/12/24	2021/12/23
Rohde&Schwarz	Spectrum Analyzer	FSV40	101495	2020/12/24	2021/12/23
SONOMA INSTRUMENT	Amplifier	310 N	186131	2020/12/25	2021/12/24
A.H. Systems, inc.	Preamplifier	PAM-0118P	531	2021/07/08	2022/07/07
Quinstar	Amplifier	QLW-1840553 6-J0	15964001002	2020/11/28	2021/11/27
Anritsu Corp	50 Coaxial Switch	MP59B	6100237248	2020/12/25	2021/12/24
Unknown	RF Coaxial Cable	N-5m	No.3	2020/12/25	2021/12/24
Unknown	RF Coaxial Cable	N-5m	No.4	2020/12/25	2021/12/24
Unknown	RF Coaxial Cable	N-1m	No.5	2020/12/25	2021/12/24
Unknown	RF Coaxial Cable	N-1m	No.6	2020/12/25	2021/12/24
Schwarzbeck	Bilog Antenna	VULB9163	9163-194	2020/01/05	2023/01/04
Schwarzbeck	Bilog Antenna	VULB9163	9163-323	2020/01/05	2023/01/04
Schwarzbeck	Horn Antenna	BBHA9120D	9120D-655	2020/01/05	2023/01/04
Schwarzbeck	Horn Antenna	BBHA9120D	9120D-1067	2020/01/05	2023/01/04
PASTERNAK	Horn Antenna	PE9852/2F-20	1120	2020/01/05	2023/01/04
PASTERNAK	Horn Antenna	PE9852/2F-20	1120	2020/01/05	2023/01/04
Unknown	RF Coaxial Cable	N-1m	No.6	2020/12/25	2021/12/24
Anritsu	Signal Generator	68369B	004114	2021/7/31	2022/7/30
Unknown	Band Reject Filter	MSF824-862M S-1147	201706003	2020/12/25	2021/12/24
Unknown	Band Reject Filter	MSF1850-1910 MS-1148	201706003	2020/12/25	2021/12/24
Unknown	Band Reject Filter	MSF880-915M S-1149	201706003	2020/12/25	2021/12/24
Unknown	Band Reject Filter	MSF1710-1785 MS-1150	201706003	2020/12/25	2021/12/24
Unknown	Band Reject Filter	MSF1920-1980 MS-1151	201706003	2020/12/25	2021/12/24

Unknown	Band Reject Filter	MSF2495-2570 MS-1152	201706003	2020/12/25	2021/12/24
Unknown	Band Reject Filter	MSF700-800M S-1153	201706003	2020/12/25	2021/12/24
Unknown	High Pass Filter	HPM-1.2/18G -60	110	2020/12/25	2021/12/24
Radiated Emission Test Software: e3 19821b(V9)					

* Statement of Traceability: Shenzhen Accurate Technology Co., Ltd. attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC §1.1307 (b) (1) & §2.1091- Maximum Permissible exposure (MPE)

Applicable Standard

According to subpart 1.1307 (b)(1), 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

Limits for General Population/Uncontrolled Exposure

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm²)	Averaging Time (Minutes)
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz

* = Plane-wave equivalent power density

Result

Calculated Formulary:

Predication of MPE limit at a given distance

$$S = \frac{PG}{4\pi R^2}$$

S = power density (in appropriate units, e.g. mW/cm²)

P = power input to the antenna (in appropriate units, e.g., mW).

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain.

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

For worst case:

Mode	Frequency (MHz)	Antenna Gain		Tune up Conducted power		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBi)	(numeric)	(dBm)	(mW)			
LTE B2	1850-1910	2.8	1.91	22	158.49	20	0.060	1
LTE B4	1710-1755	2.7	1.86	22	158.49	20	0.059	1
LTE B5	824-849	0.8	1.20	22	158.49	20	0.038	0.549
LTE B12	699-716	0.33	1.08	22	158.49	20	0.034	0.466
LTE B13	777-787	0.33	1.08	22	158.49	20	0.034	0.518
LTE B25	1850-1915	2.8	1.91	22	158.49	20	0.060	1
LTE B26 (Part 90)	814-824	0.8	1.20	22	158.49	20	0.038	0.543
LTE B26 (Part 22)	824-849	0.8	1.20	22	158.49	20	0.038	0.549
LTE B66	1710-1780	2.7	1.86	22	158.49	20	0.059	1
LTE B85	698-716	0.33	1.08	22	158.49	20	0.034	0.465

Note 1: The tune up conducted power was declared by the applicant.

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

Result: Compliant.

FCC §2.1047 - MODULATION CHARACTERISTIC

According to FCC § 2.1047(d), Part 22H & 24E & 27, there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

FCC § 2.1053; § 22.917 (a); § 24.238 (a); § 27.53 - SPURIOUS RADIATED EMISSIONS

Applicable Standard

FCC § 2.1053, § 22.917(a) & § 24.238(a) & § 27.53.

Test Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the receiving antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Test Data**Environmental Conditions**

Temperature:	20 °C
Relative Humidity:	46 %
ATM Pressure:	100.0 kPa

The testing was performed by Fan Yang on 2021-10-28.

EUT Operation Mode: Transmitting

Test Result: Compliant.

Pre-scan with all the bandwidth for X axis, Y axis, Z axis, and worst case for Z axis as below:

Frequency (MHz)	Receiver Reading (dBm)	Turntable Degree	Rx Antenna		Substituted Factor (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (m)	Polar (H/V)				
4G BAND2 (BAND25), 30MHz-20GHz, 1.4MHz Bandwidth, Low Channel								
972.34	-64.54	103	1.8	H	12.69	-51.85	-13	38.85
49.97	-58.41	4	2.1	V	2.65	-55.76	-13	42.76
3701.4	-58.47	38	2.2	H	4.72	-53.75	-13	40.75
3701.4	-54.77	40	2.2	V	4.61	-50.16	-13	37.16
4G BAND2 (BAND25), 30MHz-20GHz, 1.4MHz Bandwidth, Middle Channel								
972.34	-64.69	353	2.2	H	12.69	-52.00	-13	39.00
49.97	-58.40	54	2.3	V	2.65	-55.75	-13	42.75
3760	-58.87	321	2	H	4.94	-53.93	-13	40.93
3760	-55.93	37	2.5	V	4.85	-51.08	-13	38.08
4G BAND2, 30MHz-20GHz, 1.4MHz Bandwidth, High Channel								
972.34	-64.66	351	2.1	H	12.69	-51.97	-13	38.97
49.97	-58.27	346	1.6	V	2.65	-55.62	-13	42.62
3818.6	-59.35	161	1.1	H	5.25	-54.10	-13	41.10
3818.6	-56.21	331	1.3	V	5.08	-51.13	-13	38.13
4G BAND4, 30MHz-20GHz, 1.4MHz Bandwidth, Low Channel								
972.34	-65.62	97	2	H	12.69	-52.93	-13	39.93
49.97	-57.50	192	2.3	V	2.65	-54.85	-13	41.85
3421.4	-51.01	23	2.4	H	2.72	-48.29	-13	35.29
3421.4	-49.29	187	1.3	V	2.59	-46.70	-13	33.70
4G BAND4, 30MHz-20GHz, 1.4MHz Bandwidth, Middle Channel								
972.34	-65.13	237	2	H	12.69	-52.44	-13	39.44
49.97	-59.41	24	1.5	V	2.65	-56.76	-13	43.76
3465	-51.12	300	1.5	H	3.49	-47.63	-13	34.63
3465	-49.73	52	1.2	V	3.43	-46.30	-13	33.30
4G BAND4, 30MHz-20GHz, 1.4MHz Bandwidth, High Channel								
972.34	-64.15	181	1.1	H	12.69	-51.46	-13	38.46
49.97	-57.14	270	2	V	2.65	-54.49	-13	41.49
3508.6	-51.54	112	1.3	H	3.44	-48.10	-13	35.10
3508.6	-50.07	279	1	V	3.31	-46.76	-13	33.76
4G BAND5 (BAND26), 30MHz-10GHz, 1.4MHz Bandwidth, Low Channel								
972.34	-64.01	138	1.5	H	12.69	-51.32	-13	38.32
49.97	-58.40	285	1.9	V	2.65	-55.75	-13	42.75
1649.4	-48.69	143	2.3	H	-2.79	-51.48	-13	38.48
1649.4	-55.71	116	1.3	V	-2.73	-58.44	-13	45.44
4G BAND5 (BAND26), 30MHz-10GHz, 1.4MHz Bandwidth, Middle Channel								
972.34	-63.35	14	1.1	H	12.69	-50.66	-13	37.66
49.97	-57.67	192	1.3	V	2.65	-55.02	-13	42.02
1673	-48.36	322	2.3	H	-2.74	-51.10	-13	38.10
1673	-55.07	3	2	V	-2.69	-57.76	-13	44.76
4G BAND5 (BAND26), 30MHz-10GHz, 1.4MHz Bandwidth, High Channel								
972.34	-64.12	267	2.3	H	12.69	-51.43	-13	38.43

49.97	-58.62	280	2	V	2.65	-55.97	-13	42.97
1696.6	-48.96	188	1.5	H	-2.7	-51.66	-13	38.66
1696.6	-55.54	247	2.4	V	-2.65	-58.19	-13	45.19
4G BAND B12, 30MHz-10GHz, 1.4MHz Bandwidth, Low Channel								
972.34	-63.88	104	1.5	H	12.69	-51.19	-13	38.19
49.97	-57.32	202	1.8	V	2.65	-54.67	-13	41.67
1399.4	-44.95	310	1.9	H	-0.53	-45.48	-13	32.48
1399.4	-52.03	271	1.3	V	-0.74	-52.77	-13	39.77
2099.1	-42.30	216	1.2	H	-0.74	-43.04	-13	30.04
2099.1	-51.50	264	1.8	V	-0.98	-52.48	-13	39.48
4G BAND B12, 30MHz-10GHz, 1.4MHz Bandwidth, Middle Channel								
972.34	-63.80	180	1.1	H	12.69	-51.11	-13	38.11
49.97	-57.20	74	2.1	V	2.65	-54.55	-13	41.55
1415	-44.40	205	1.3	H	-0.7	-45.10	-13	32.10
1415	-50.93	84	1.7	V	-0.9	-51.83	-13	38.83
2122.5	-41.78	293	1.8	H	-0.62	-42.40	-13	29.40
2122.5	-51.27	181	2.3	V	-0.85	-52.12	-13	39.12
4G BAND B12, 30MHz-10GHz, 1.4MHz Bandwidth, High Channel								
972.34	-64.71	304	1.5	H	12.69	-52.02	-13	39.02
49.97	-58.12	18	2.2	V	2.65	-55.47	-13	42.47
1430.6	-44.89	355	1.6	H	-0.88	-45.77	-13	32.77
1430.6	-51.75	30	2.2	V	-1.07	-52.82	-13	39.82
2145.9	-42.70	117	1.9	H	-0.5	-43.20	-13	30.20
2145.9	-51.53	59	1.7	V	-0.71	-52.24	-13	39.24
4G BAND B13, 30MHz-10GHz, 5MHz Bandwidth, Low Channel								
972.34	-63.46	100	1.1	H	12.69	-50.77	-13	37.77
49.97	-57.32	46	1.5	V	2.65	-54.67	-13	41.67
1559	-40.53	198	1.2	H	-2.34	-42.87	-40	2.87
1559	-51.09	186	1.3	V	-2.45	-53.54	-40	13.54
4G BAND B13, 30MHz-10GHz, 5MHz Bandwidth, Middle Channel								
972.34	-63.61	69	1	H	12.69	-50.92	-13	37.92
49.97	-57.86	257	2.2	V	2.65	-55.21	-13	42.21
1564	-39.75	257	1.9	H	-2.4	-42.15	-40	2.15
1564	-50.52	142	1.5	V	-2.5	-53.02	-40	13.02
4G BAND B13, 30MHz-10GHz, 5MHz Bandwidth, High Channel								
972.34	-64.43	324	1.2	H	12.69	-51.74	-13	38.74
49.97	-57.55	328	1.6	V	2.65	-54.90	-13	41.90
1569	-39.44	242	2.4	H	-2.46	-41.90	-40	1.90
1569	-50.56	27	1.1	V	-2.56	-53.12	-40	13.12
4G BAND B25, 30MHz-10GHz, 1.4MHz Bandwidth High Channel								
972.34	-64.78	312	1.3	H	12.69	-52.09	-13	39.09
49.97	-59.38	299	2.4	V	2.65	-56.73	-13	43.73
3828.6	-59.61	286	2.3	H	5.41	-54.20	-13	41.20
3828.6	-55.74	275	1.5	V	5.32	-50.42	-13	37.42
4G BAND66, 30MHz-20GHz, 1.4MHz Bandwidth, Low Channel								
972.34	-63.76	289	1.8	H	12.69	-51.07	-13	38.07
49.97	-58.50	320	1.1	V	2.65	-55.85	-13	42.85

3421.4	-55.42	354	2	H	3.42	-52.00	-13	39.00
3421.4	-61.55	26	1.4	V	3.39	-58.16	-13	45.16
4G BAND66, 30MHz-20GHz, 1.4MHz Bandwidth , Middle Channel								
972.34	-62.30	293	1.2	H	10.53	-51.77	-13	38.77
49.97	-53.25	331	2.3	V	-3.2	-56.45	-13	43.45
3490	-55.87	303	1.7	H	3.52	-52.35	-13	39.35
3490	-62.44	122	1.2	V	3.46	-58.98	-13	45.98
4G BAND66, 30MHz-20GHz, 1.4MHz Bandwidth, High Channel								
972.34	-64.38	112	2.1	H	12.69	-51.69	-13	38.69
49.97	-59.22	273	2.1	V	2.65	-56.57	-13	43.57
3558.6	-56.13	72	2.4	H	3.87	-52.26	-13	39.26
3558.6	-62.49	117	2.1	V	3.8	-58.69	-13	45.69
4G BAND85, 30MHz-10GHz, 5MHz Bandwidth, Low Channel								
972.34	-63.76	300	1.2	H	12.69	-51.07	-13	38.07
49.97	-58.50	145	1.9	V	2.65	-55.85	-13	42.85
1401	-51.46	244	2.4	H	-0.54	-52.00	-13	39.00
1401	-57.41	133	1.7	V	-0.75	-58.16	-13	45.16
4G BAND85, 30MHz-10GHz, 5MHz Bandwidth , Middle Channel								
972.34	-64.46	248	1.3	H	12.69	-51.77	-13	38.77
49.97	-59.10	215	1.2	V	2.65	-56.45	-13	43.45
1414	-51.77	145	2.2	H	-0.58	-52.35	-13	39.35
1414	-58.20	30	2.5	V	-0.78	-58.98	-13	45.98
4G BAND85, 30MHz-10GHz, 5MHz Bandwidth, High Channel								
810.26	-64.38	108	1.5	H	12.69	-51.69	-13	38.69
34.88	-59.22	254	2.4	V	2.65	-56.57	-13	43.57
1422	-51.65	154	1	H	-0.61	-52.26	-13	39.26
1422	-57.84	309	2	V	-0.85	-58.69	-13	45.69

Note:

Absolute Level = Reading Level + Substituted Factor

Substituted Factor contains: SG Level - Cable loss+ Antenna Gain

Margin = Limit - Absolute Level

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