

FCC PART 27
FCC PART 22H, PART 24E
TEST REPORT
For
TECNO MOBILE LIMITED

FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET
FOTAN NT Hong Kong

FCC ID: 2ADYY-CG6J

Report Type: Class II Permissive Change	Product Type: Mobile Phone
Report Number: SZ1210901-45710E-RF-00DA1	
Report Date: 2021-09-13	
Reviewed By: RF Engineer	Jacob Kong
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	Mobile Phone
Tested Model	CG6j
Frequency Range	GSM 850: 824-849MHz(TX); 869-894MHz(RX) PCS 1900: 1850-1910MHz(TX); 1930-1990MHz(RX) WCDMA Band 2: 1850-1910MHz(TX); 1930-1990MHz(RX) WCDMA Band 5: 824-849MHz(TX); 869-894MHz(RX) 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 7: 2500-2570MHz(TX); 2620-2690MHz(RX) LTE Band 17: 704-716MHz(TX); 734-746MHz(RX) LTE Band 38: 2570-2620MHz(TX/RX) LTE Band 41: 2535-2655MHz(TX/RX)
Modulation Technique	2G: GMSK, 8PSK 3G: BPSK, QPSK, 16QAM 4G: QPSK, 16QAM
Antenna Specification*	GSM850/WCDMA Band 5/LTE Band 5: -1.5dBi PCS1900/WCDMA Band 2/ LTE Band 2: -0.5dBi LTE Band 4: -0.7dBi LTE Band 7/LTE Band 38/LTE Band 41: -0.4dBi LTE Band 17: -1.9dBi (provided by the applicant)
Power Supply	Rechargeable Li-ion polymer battery DC3.85V-4900mAh
Date of Test	2021-09-06 to 2021-09-07
Sample number	SZ1210901-45710E-RFA1-S1 (Assigned by BACL, Shenzhen)
Received date	2021-09-01
Sample/EUT Status	Good condition
Adapter information	Model: U180TSA Input: 100-240V, 50/60Hz, 0.6A Output: 5.0V-9.0V,2A,9.0V-12.0V,1.5A

Objective

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

This is a CIIPC application of the device; the differences between the original device and the current one are as follows:

- (1) Changing the antenna of EUT
- (2) Changing the Camera of EUT

Based on above difference listed, it's will affect the test items of "Radiated Disturbance", those items will be performed, the other test data and the EUT photos Please refer to the original report: JYTSZB-R01-2100010&JYTSZB-R12-2100028, which under the FCC ID: 2ADYY-CG6J, tested and granted by JianYan Testing Group Shenzhen Co.,Ltd. and issued date is 20 Jan., 2021.

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 Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.
Each test item follows test standards and with no deviation.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		±5%
RF output power, conducted		±0.73dB
Unwanted Emission, conducted		±1.6dB
Emissions, Radiated	Below 1GHz	±4.75dB
	Above 1GHz	±4.88dB
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 Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West) ,6F,7F,the 3rd Phase of Wan Li Industrial Building D,Shihua Rd, FuTian Free Trade Zone, Shenzhen, 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.: 342867, the FCC Designation No.: CN1221.

The test site has been registered with ISED Canada under ISED Canada Registration Number 3062B.

SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§ 1.1307 , §2.1093	RF Exposure (SAR)	Compliant**
§2.1046; § 22.913 (a); § 24.232 (c); §27.50 (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*

Compliant*: Please refer to the original report: JYTSZB-R01-2100010&JYTSZB-R12-2100028, which under the FCC ID: 2ADYY-CG6J, tested and granted by JianYan Testing Group Shenzhen Co.,Ltd. and issued date is 20 Jan.2021.

Compliant**: Please refer to SAR report released by BACL, report number: SZ1210901-45710E-SAA1

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test					
R&S	EMI Test Receiver	ESR3	102455	2021/07/06	2022/07/05
Sonoma instrument	Pre-amplifier	310 N	186238	2021/08/03	2022/08/02
Sunol Sciences	Broadband Antenna	JB1	A040904-2	2020/12/22	2023/12/21
COM-POWER	Dipole Antenna	AD-100	721027	NCR	NCR
Unknown	Cable	Chamber Cable 1	F-03-EM236	2021/08/03	2022/08/02
Unknown	Cable	Chamber Cable 4	EC-007	2021/08/03	2022/08/02
Rohde & Schwarz	Spectrum Analyzer	FSV40-N	102259	2021/07/06	2022/07/05
COM-POWER	Pre-amplifier	PA-122	181919	2020/11/29	2021/11/28
A.H.System	Pre-amplifier	PAM-1840VH	190	2021/08/03	2022/08/02
Sunol Sciences	Horn Antenna	3115	9107-3694	2021/01/15	2024/01/14
A.H.System	Horn Antenna	SAS-200/571	135	2021/01/15	2024/01/14
Insulted Wire Inc.	RF Cable	SPS-2503-3150	02222010	2020/11/29	2021/11/28
Unknown	RF Cable	W1101-EQ1 OUT	F-19-EM005	2020/11/29	2021/11/28
MICRO-TRONICS	Passband filter	HPM50111	F-19-EM006	2021/04/20	2022/04/20
Unknown	High Pass filter	1.3GHz	101120	2021/04/20	2022/04/20
Ducommun Technologies	Horn antenna	ARH-4223-02	1007726-01 1304	2020/12/06	2023/12/05
Ducommun Technologies	Horn antenna	ARH-4223-02	1007726-02 1304	2020/12/06	2023/12/05

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

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

Applicable Standard

FCC § 2.1053, §22.917(a) and § 24.238(a) and § 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:	26~27.3℃
Relative Humidity:	54~57 %
ATM Pressure:	101.0kPa

The testing was performed by Cloud Qiu on 2021-09-07 for below 1GHz and Dio Ding on 2021-09-06 for above 1GHz.

EUT operation mode: Transmitting

30 MHz ~ 10 GHz:**Cellular Band (Part 22H)**

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	FCC Part 22H	
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)		Limit (dBm)	Margin (dB)
GSM Mode										
Low channel										
965.3	30.35	41	1.6	H	-66.2	1.36	0.0	-67.56	-13	54.56
965.3	31.76	178	2.3	V	-62.3	1.36	0.0	-63.66	-13	50.66
1648.40	54.10	313	1.6	H	-54.0	1.40	8.70	-46.70	-13	33.70
1648.40	49.22	16	1.6	V	-58.6	1.40	8.70	-51.30	-13	38.30
2472.60	48.88	87	2.3	H	-54.5	2.60	10.20	-46.90	-13	33.90
2472.60	45.64	123	1.4	V	-57.1	2.60	10.20	-49.50	-13	36.50
3296.80	43.74	272	2.4	H	-57.2	1.50	11.70	-47.00	-13	34.00
3296.80	43.31	76	1.8	V	-57.6	1.50	11.70	-47.40	-13	34.40
Middle channel										
960.6	30.31	209	1.4	H	-66.2	1.36	0.0	-67.56	-13	54.56
960.6	31.71	31	2.0	V	-62.3	1.36	0.0	-63.66	-13	50.66
1673.20	48.74	354	1.7	H	-57.6	1.30	8.90	-50.00	-13	37.00
1673.20	46.50	305	2.0	V	-59.2	1.30	8.90	-51.60	-13	38.60
2509.80	45.94	268	2.3	H	-57.4	2.60	10.20	-49.80	-13	36.80
2509.80	45.75	354	1.7	V	-57.0	2.60	10.20	-49.40	-13	36.40
3346.40	43.68	67	1.2	H	-57.2	1.50	11.70	-47.00	-13	34.00
3346.40	43.44	301	1.4	V	-57.5	1.50	11.70	-47.30	-13	34.30
High channel										
965.8	30.28	182	1.9	H	-66.2	1.36	0.0	-67.56	-13	54.56
965.8	31.62	295	1.8	V	-62.4	1.36	0.0	-63.76	-13	50.76
1697.60	47.66	190	2.0	H	-58.7	1.30	8.90	-51.10	-13	38.10
1697.60	49.10	189	2.4	V	-56.6	1.30	8.90	-49.00	-13	36.00
2546.40	46.63	69	2.4	H	-56.7	2.60	10.20	-49.10	-13	36.10
2546.40	51.87	64	2.3	V	-50.9	2.60	10.20	-43.30	-13	30.30
3395.20	43.51	83	1.1	H	-57.7	1.40	11.80	-47.30	-13	34.30
3395.20	43.90	334	2.4	V	-57.1	1.40	11.80	-46.70	-13	33.70

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	FCC Part 22H	
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)		Limit (dBm)	Margin (dB)
WCDMA Mode										
Low channel										
962.3	30.28	101	2.4	H	-66.2	1.36	0.0	-67.56	-13	54.56
962.3	31.73	72	1.9	V	-62.3	1.36	0.0	-63.66	-13	50.66
1652.80	45.74	136	1.2	H	-60.6	1.30	8.90	-53.00	-13	40.00
1652.80	46.12	348	2.5	V	-59.6	1.30	8.90	-52.00	-13	39.00
2479.20	44.55	263	1.9	H	-58.8	2.60	10.20	-51.20	-13	38.20
2479.20	44.05	227	2.5	V	-58.7	2.60	10.20	-51.10	-13	38.10
3305.60	44.79	297	2.0	H	-56.1	1.50	11.70	-45.90	-13	32.90
3305.60	43.45	280	2.1	V	-57.5	1.50	11.70	-47.30	-13	34.30
Middle channel										
961.6	30.19	229	2.1	H	-66.3	1.36	0.0	-67.66	-13	54.66
961.6	31.68	158	1.1	V	-62.4	1.36	0.0	-63.76	-13	50.76
1673.20	45.35	247	2.2	H	-61.0	1.30	8.90	-53.40	-13	40.40
1673.20	46.41	217	2.1	V	-59.3	1.30	8.90	-51.70	-13	38.70
2509.80	45.61	97	1.3	H	-57.7	2.60	10.20	-50.10	-13	37.10
2509.80	44.47	46	1.4	V	-58.3	2.60	10.20	-50.70	-13	37.70
3346.40	44.70	142	2.0	H	-56.2	1.50	11.70	-46.00	-13	33.00
3346.40	43.33	200	1.5	V	-57.6	1.50	11.70	-47.40	-13	34.40
High channel										
966.8	30.43	205	2.1	H	-66.1	1.36	0.0	-67.46	-13	54.46
966.8	31.75	236	1.7	V	-62.3	1.36	0.0	-63.66	-13	50.66
1693.20	47.68	264	1.5	H	-58.7	1.30	8.90	-51.10	-13	38.10
1693.20	49.13	240	1.5	V	-56.6	1.30	8.90	-49.00	-13	36.00
2539.80	44.85	330	1.2	H	-58.5	2.60	10.20	-50.90	-13	37.90
2539.80	44.30	127	1.8	V	-58.4	2.60	10.20	-50.80	-13	37.80
3386.40	45.16	53	2.0	H	-56.1	1.40	11.80	-45.70	-13	32.70
3386.40	44.28	304	2.4	V	-56.8	1.40	11.80	-46.40	-13	33.40

30 MHz ~ 20 GHz:**PCS Band (Part 24E)**

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	FCC Part 24E	
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)		Limit (dBm)	Margin (dB)
GSM Mode										
Low channel										
962.1	30.45	318	2.3	H	-66.1	1.36	0.0	-67.46	-13	54.46
962.1	31.57	354	2.1	V	-62.5	1.36	0.0	-63.86	-13	50.86
3700.40	44.93	54	1.3	H	-56.9	1.60	11.90	-46.60	-13	33.60
3700.40	43.45	93	1.5	V	-57.8	1.60	11.90	-47.50	-13	34.50
Middle channel										
963.2	30.39	126	1.5	H	-66.1	1.36	0.0	-67.46	-13	54.46
963.2	31.66	258	1.6	V	-62.4	1.36	0.0	-63.76	-13	50.76
3760.00	44.52	226	1.0	H	-57.5	1.50	11.80	-47.20	-13	34.20
3760.00	43.26	355	1.6	V	-58.3	1.50	11.80	-48.00	-13	35.00
High channel										
962.5	30.25	71	2.1	H	-66.3	1.36	0.0	-67.66	-13	54.66
962.5	31.53	15	1.7	V	-62.5	1.36	0.0	-63.86	-13	50.86
3819.60	44.21	188	2.3	H	-57.8	1.50	11.80	-47.50	-13	34.50
3819.60	43.15	290	2.4	V	-58.4	1.50	11.80	-48.10	-13	35.10
WCDMA Mode										
Low Channel										
956.8	30.33	337	2.0	H	-66.2	1.36	0.0	-67.56	-13	54.56
956.8	31.66	151	2.1	V	-62.4	1.36	0.0	-63.76	-13	50.76
3704.80	49.69	314	2.1	H	-52.1	1.60	11.90	-41.80	-13	28.80
3704.80	50.39	5	1.4	V	-50.8	1.60	11.90	-40.50	-13	27.50
Middle channel										
964.7	30.37	196	1.1	H	-66.1	1.36	0.0	-67.46	-13	54.46
964.7	31.61	255	2.2	V	-62.4	1.36	0.0	-63.76	-13	50.76
3760.00	50.79	357	1.2	H	-51.3	1.50	11.80	-41.00	-13	28.00
3760.00	52.23	75	1.5	V	-49.4	1.50	11.80	-39.10	-13	26.10
High channel										
961.2	30.21	33	2.2	H	-66.3	1.36	0.0	-67.66	-13	54.66
961.2	31.56	220	1.6	V	-62.5	1.36	0.0	-63.86	-13	50.86
3815.20	52.41	139	1.9	H	-49.6	1.50	11.80	-39.30	-13	26.30
3815.20	54.24	37	1.2	V	-47.3	1.50	11.80	-37.00	-13	24.00

LTE Band: (Pre-scan with all the bandwidth, and worst case as below)

Frequency	Receiver	Turntable	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
(MHz)	Reading (dBμV)	Angle Degree	Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
Band 2										
Test frequency range: 30 MHz ~ 20 GHz										
1.4MHz, Low channel										
961.6	30.55	38	1.5	H	-66.0	1.36	0.0	-67.36	-13	54.36
961.6	31.74	125	1.9	V	-62.3	1.36	0.0	-63.66	-13	50.66
3701.40	49.21	345	1.5	H	-52.6	1.60	11.90	-42.30	-13	29.30
3701.40	51.20	332	2.1	V	-50.0	1.60	11.90	-39.70	-13	26.70
1.4MHz, Middle channel										
962.3	30.45	170	2.2	H	-66.1	1.36	0.0	-67.46	-13	54.46
962.3	31.78	271	2.2	V	-62.3	1.36	0.0	-63.66	-13	50.66
3760.00	53.28	220	1.5	H	-48.8	1.50	11.80	-38.50	-13	25.50
3760.00	54.77	158	1.8	V	-46.8	1.50	11.80	-36.50	-13	23.50
1.4MHz, High channel										
969.4	30.36	308	1.2	H	-66.1	1.36	0.0	-67.46	-13	54.46
969.4	31.72	196	2.0	V	-62.3	1.36	0.0	-63.66	-13	50.66
3818.60	52.27	109	2.1	H	-49.8	1.50	11.80	-39.50	-13	26.50
3818.60	54.04	103	2.0	V	-47.5	1.50	11.80	-37.20	-13	24.20
Band 4										
Test frequency range:30 MHz ~ 20 GHz										
1.4MHz, Low channel										
963.9	30.29	283	1.9	H	-66.2	1.36	0.0	-67.56	-13	54.56
963.9	31.64	181	1.0	V	-62.4	1.36	0.0	-63.76	-13	50.76
3421.40	58.29	87	2.3	H	-42.5	1.40	11.80	-32.10	-13	19.10
3421.40	53.32	233	2.0	V	-47.3	1.40	11.80	-36.90	-13	23.90
1.4MHz, Middle channel										
968.6	30.32	218	1.5	H	-66.2	1.36	0.0	-67.56	-13	54.56
968.6	31.62	176	1.4	V	-62.4	1.36	0.0	-63.76	-13	50.76
3465.00	55.77	158	1.2	H	-45.0	1.50	12.00	-34.50	-13	21.50
3465.00	52.11	344	2.2	V	-49.4	1.50	12.00	-38.90	-13	25.90
1.4MHz, High channel										
969.7	30.16	343	1.1	H	-66.3	1.36	0.0	-67.66	-13	54.66
969.7	31.33	309	1.3	V	-62.7	1.36	0.0	-64.06	-13	51.06
3508.60	57.83	293	1.5	H	-42.9	1.50	12.00	-32.40	-13	19.40
3508.60	54.41	83	1.9	V	-47.1	1.50	12.00	-36.60	-13	23.60

Frequency	Receiver	Turntable	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
(MHz)	Reading (dBμV)	Angle Degree	Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
Band 5										
Test frequency range:30 MHz ~ 10 GHz										
1.4MHz, Low channel										
966.8	30.43	133	1.2	H	-66.1	1.36	0.0	-67.46	-13	54.46
966.8	31.38	331	2.0	V	-62.7	1.36	0.0	-64.06	-13	51.06
1649.40	46.29	6	1.9	H	-61.8	1.40	8.70	-54.50	-13	41.50
1649.40	46.81	268	1.7	V	-61.0	1.40	8.70	-53.70	-13	40.70
2474.10	48.05	345	2.2	H	-55.3	2.60	10.20	-47.70	-13	34.70
2474.10	44.71	269	1.3	V	-58.0	2.60	10.20	-50.40	-13	37.40
3298.80	46.01	76	1.0	H	-54.9	1.50	11.70	-44.70	-13	31.70
3298.80	44.15	148	1.7	V	-56.8	1.50	11.70	-46.60	-13	33.60
1.4MHz, Middle channel										
964.7	30.37	153	2.0	H	-66.1	1.36	0.0	-67.46	-13	54.46
964.7	31.35	240	1.9	V	-62.7	1.36	0.0	-64.06	-13	51.06
1673.00	46.79	82	2.4	H	-59.5	1.30	8.90	-51.90	-13	38.90
1673.00	46.45	115	1.5	V	-59.3	1.30	8.90	-51.70	-13	38.70
2509.50	47.59	199	1.5	H	-55.8	2.60	10.20	-48.20	-13	35.20
2509.50	46.61	82	2.0	V	-56.1	2.60	10.20	-48.50	-13	35.50
3346.00	46.22	16	1.4	H	-54.7	1.50	11.70	-44.50	-13	31.50
3346.00	45.36	342	2.1	V	-55.6	1.50	11.70	-45.40	-13	32.40
1.4MHz, High channel										
961.2	30.42	257	1.2	H	-66.1	1.36	0.0	-67.46	-13	54.46
961.2	31.56	58	2.1	V	-62.5	1.36	0.0	-63.86	-13	50.86
1696.60	48.48	263	2.0	H	-57.9	1.30	8.90	-50.30	-13	37.30
1696.60	48.68	189	1.1	V	-57.1	1.30	8.90	-49.50	-13	36.50
2544.90	48.92	143	1.8	H	-54.4	2.60	10.20	-46.80	-13	33.80
2544.90	47.33	313	1.8	V	-55.4	2.60	10.20	-47.80	-13	34.80
3393.20	46.59	124	2.5	H	-54.6	1.40	11.80	-44.20	-13	31.20
3393.20	45.03	94	1.1	V	-56.0	1.40	11.80	-45.60	-13	32.60
Band 7										
Test frequency range: 30 MHz ~ 26.5 GHz										
5MHz, Low channel										
967.3	30.46	250	1.7	H	-66.0	1.36	0.0	-67.36	-25	42.36
967.3	31.54	148	2.0	V	-62.5	1.36	0.0	-63.86	-25	38.86
5005.00	45.33	182	2.2	H	-55.3	1.70	12.00	-45.00	-25	20.00
5005.00	44.56	301	2.0	V	-55.5	1.70	12.00	-45.20	-25	20.20
5MHz, Middle channel										
967.6	30.35	6	2.4	H	-66.2	1.36	0.0	-67.56	-25	42.56
967.6	31.59	249	1.4	V	-62.5	1.36	0.0	-63.86	-25	38.86
5070.00	45.87	87	1.3	H	-54.1	1.60	12.10	-43.60	-25	18.60
5070.00	44.63	297	1.3	V	-55.4	1.60	12.10	-44.90	-25	19.90
5MHz, High channel										
966.8	30.39	80	1.6	H	-66.1	1.36	0.0	-67.46	-25	42.46
966.8	31.64	286	2.4	V	-62.4	1.36	0.0	-63.76	-25	38.76
5135.00	45.95	119	1.9	H	-54.1	1.60	12.10	-43.60	-25	18.60
5135.00	44.76	60	2.4	V	-55.3	1.60	12.10	-44.80	-25	19.80

Frequency	Receiver	Turntable	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
(MHz)	Reading (dBμV)	Angle Degree	Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
Band 17										
Test frequency range: 30 MHz ~ 10 GHz										
5MHz, Low channel										
962.5	30.49	46	1.8	H	-66.0	1.36	0.0	-67.36	-13	54.36
962.5	31.67	153	1.5	V	-62.4	1.36	0.0	-63.76	-13	50.76
1413.00	54.31	76	2.1	H	-53.9	1.60	7.90	-47.60	-13	34.60
1413.00	52.46	125	1.2	V	-56.0	1.60	7.90	-49.70	-13	36.70
2119.50	51.84	245	1.5	H	-49.3	1.30	9.70	-40.90	-13	27.90
2119.50	47.38	135	2.4	V	-54.6	1.30	9.70	-46.20	-13	33.20
2826.00	47.61	227	2.4	H	-56.3	1.80	10.50	-47.60	-13	34.60
2826.00	48.71	10	1.4	V	-54.9	1.80	10.50	-46.20	-13	33.20
5MHz, Middle channel										
961.7	30.41	215	2.3	H	-66.1	1.36	0.0	-67.46	-13	54.46
961.7	31.69	134	1.6	V	-62.4	1.36	0.0	-63.76	-13	50.76
1420.00	51.08	214	1.9	H	-57.1	1.60	7.90	-50.80	-13	37.80
1420.00	48.82	168	2.4	V	-59.6	1.60	7.90	-53.30	-13	40.30
2130.00	46.93	66	2.3	H	-54.2	1.30	9.70	-45.80	-13	32.80
2130.00	44.92	152	2.4	V	-57.0	1.30	9.70	-48.60	-13	35.60
2840.00	49.79	289	1.7	H	-54.2	1.80	10.50	-45.50	-13	32.50
2840.00	51.40	48	1.8	V	-52.2	1.80	10.50	-43.50	-13	30.50
5MHz, High channel										
963.6	30.44	180	1.5	H	-66.1	1.36	0.0	-67.46	-13	54.46
963.6	31.51	176	1.3	V	-62.5	1.36	0.0	-63.86	-13	50.86
1427.00	49.49	88	2.1	H	-58.7	1.60	7.90	-52.40	-13	39.40
1427.00	46.71	50	1.5	V	-61.7	1.60	7.90	-55.40	-13	42.40
2140.50	45.39	16	1.8	H	-55.7	1.30	9.70	-47.30	-13	34.30
2140.50	44.82	95	2.0	V	-57.1	1.30	9.70	-48.70	-13	35.70
2854.00	44.39	165	1.4	H	-60.3	1.70	10.70	-51.30	-13	38.30
2854.00	46.04	325	2.3	V	-58.7	1.70	10.70	-49.70	-13	36.70
Band 38										
Test frequency range: 30 MHz ~ 26.5GHz										
5MHz, Low channel										
965.3	30.23	5	1.1	H	-66.3	1.36	0.0	-67.66	-25	42.66
965.3	31.69	21	2.1	V	-62.4	1.36	0.0	-63.76	-25	38.76
5145.00	44.25	154	1.7	H	-55.8	1.60	12.10	-45.30	-25	20.30
5145.00	44.17	136	2.5	V	-55.8	1.60	12.10	-45.30	-25	20.30
5MHz, Middle channel										
960.6	30.43	269	1.9	H	-66.1	1.36	0.0	-67.46	-25	42.46
960.6	31.61	1	2.0	V	-62.4	1.36	0.0	-63.76	-25	38.76
5190.00	45.25	100	1.7	H	-54.8	1.60	12.10	-44.30	-25	19.30
5190.00	44.87	299	1.4	V	-54.7	1.60	12.10	-44.20	-25	19.20
5MHz, High channel										
965.8	30.38	159	1.4	H	-66.1	1.36	0.0	-67.46	-25	42.46
965.8	31.45	333	1.1	V	-62.6	1.36	0.0	-63.96	-25	38.96
5235.00	44.69	199	2.1	H	-55.4	1.60	12.10	-44.90	-25	19.90
5235.00	44.38	159	1.4	V	-55.2	1.60	12.10	-44.70	-25	19.70

Frequency	Receiver	Turntable	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
(MHz)	Reading (dBμV)	Angle Degree	Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
Band 41										
Test frequency range: 30 MHz ~ 26.5GHz										
5MHz, Low channel										
963.2	30.33	112	2.0	H	-66.2	1.36	0.0	-67.56	-25	42.56
963.2	31.77	231	1.7	V	-62.3	1.36	0.0	-63.66	-25	38.66
5075.00	44.18	195	2.4	H	-56.4	1.70	12.00	-46.10	-25	21.10
5075.00	43.75	64	1.0	V	-56.3	1.70	12.00	-46.00	-25	21.00
5MHz, Middle Channel										
962.1	30.24	146	1.4	H	-66.3	1.36	0.0	-67.66	-25	42.66
962.1	31.72	297	1.1	V	-62.3	1.36	0.0	-63.66	-25	38.66
5190.00	43.84	67	1.4	H	-56.3	1.60	12.10	-45.80	-25	20.80
5190.00	43.91	222	2.3	V	-55.7	1.60	12.10	-45.20	-25	20.20
5MHz, High Channel										
966.6	30.48	342	1.8	H	-66.0	1.36	0.0	-67.36	-25	42.36
966.6	31.58	35	1.6	V	-62.5	1.36	0.0	-63.86	-25	38.86
5305.00	44.49	275	2.4	H	-55.5	1.60	12.30	-44.80	-25	19.80
5305.00	44.42	239	2.3	V	-54.8	1.60	12.30	-44.10	-25	19.10

Note:

Absolute Level = Substituted Level - Cable loss + Antenna Gain

Margin = Limit- Absolute Level

dBd is for the ERP, dBi is for EIRP.

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