

FCC PART 15.407 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-00AA1	
Report Date: 2021-09-13	
Jacob Kong	
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	Mobile Phone
Tested Model	CG6j
Frequency Range	5G Wi-Fi: 5150-5250 MHz; 5725-5825 MHz
Maximum conducted output power	5150-5250 MHz: 9.18dBm 5725-5850 MHz: 12.32dBm
Modulation Technique	OFDM
Antenna Specification*	-0.9dBi (It is provided by the applicant)
Power Supply	Rechargeable Li-ion polymer battery DC3.85V-4900mAh
Date of Test	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 15-Subparts A and E of the Federal Communication Commissions rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart E, section 15.203, 15.205, 15.207, 15.209 and 15.407 rules.

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-R12-2100027, 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 measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices. And KDB789033D02 General U-NII Test Procedures New Rules v02r01.

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 with Power meter		±0.73dB
RF conducted test with spectrum		±1.6dB
AC Power Lines Conducted Emissions		±1.95dB
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 (b) (1) & §2.1093	RF Exposure	Compliant
§15.203	Antenna Requirement	Compliant
§15.407(b)(6)& §15.207(a)	Conducted Emissions	Compliant*
§15.205& §15.209 &§15.407(b) (1), (4),(7)	Undesirable Emission& Restricted Bands	Compliant
§15.407(a) (1), (5),(e)	26 dB Emission Bandwidth & 6dB Bandwidth	Compliant*
§15.407(a)(1),(3)	Conducted Transmitter Output Power	Compliant*
§15.407 (a)(1),(3)	Power Spectral Density	Compliant*

Compliant*: Please refer to the original report: JYTSZB-R12-2100027, 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 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
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	Auto test software	EMC 32	V9.10.00	NCR	NCR
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
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
Ducommun Technologies	Horn antenna	ARH-4223-02	1007726-021304	2020/12/06	2023/12/05
Ducommun Technologies	Horn antenna	ARH-2823-02	1007726-011302	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 §1.1307(b) & §2.1093 - RF EXPOSURE INFORMATION

Applicable Standard

FCC§1.1310 and §2.1093.

Test Result

Compliant, please refer to the SAR report: SZ1210901-45710E-SAA1.

FCC §15.203 – ANTENNA REQUIREMENT

Applicable Standard

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.

Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.407 (a), if the transmitting antennas of directional gain greater than 6dBi are used, the transmit power and power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

The EUT has one internal antenna arrangement for 5G Wi-Fi, which was permanently attached and the antenna gain is -0.9dBi, fulfill the requirement of this section. Please refer to the EUT photos.

Result: Pass

§15.205 & §15.209 & §15.407(B) (1), (4), (6), (7) – UNDESIRABLE EMISSION**Applicable Standard**

FCC §15.407 (b) (1), (4), (6), (7); §15.209; §15.205;

(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

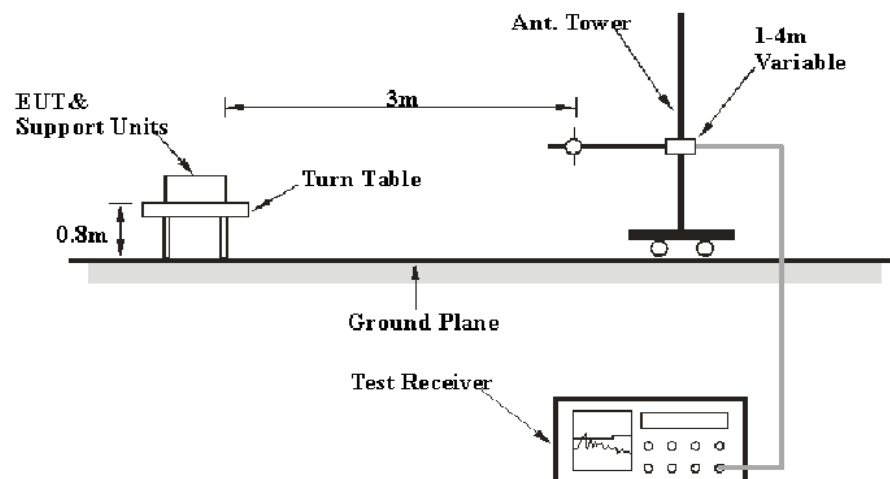
(4) For transmitters operating in the 5.725-5.85 GHz band:

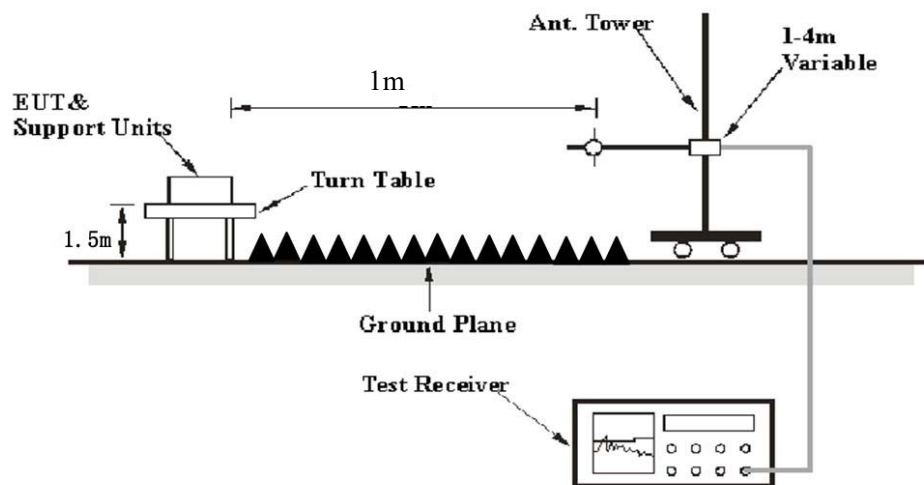
(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

EUT Setup

Below 1 GHz:



Above 1 GHz:

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC 15.209 and FCC 15.407 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 40 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Measurement
30 MHz – 1000 MHz	100 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	PK
	1MHz	10 Hz ^{Note 1}	/	Average
	1MHz	> 1/T ^{Note 2}	/	Average

Note 1: when duty cycle is no less than 98%

Note 2: when duty cycle is less than 98%

Test Procedure**Radiated Spurious Emission**

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all the installation combinations.

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1GHz, peak and Average detection modes for frequencies above 1GHz.

According to ANSI C63.10-2013,9.4: For field strength measurements made at other than the distance at which the applicable limit is specified, extrapolate the measured field strength to the field strength at the distance specified by the limit using an inverse distance correction factor (20 dB/decade of distance). In some cases, a different distance correction factor may be required;

$$E_{\text{SpecLimit}} = E_{\text{Meas}} + 20 \log \left(\frac{d_{\text{Meas}}}{d_{\text{SpecLimit}}} \right)$$

where

$E_{\text{SpecLimit}}$	is the field strength of the emission at the distance specified by the limit, in dB μ V/m
E_{Meas}	is the field strength of the emission at the measurement distance, in dB μ V/m
d_{Meas}	is the measurement distance, in m
$d_{\text{SpecLimit}}$	is the distance specified by the limit, in m

So the extrapolation factor of 1m is $20 \cdot \log(1/3) = -9.5$ dB

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Corrected Amplitude} = \text{Meter Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

Test Data

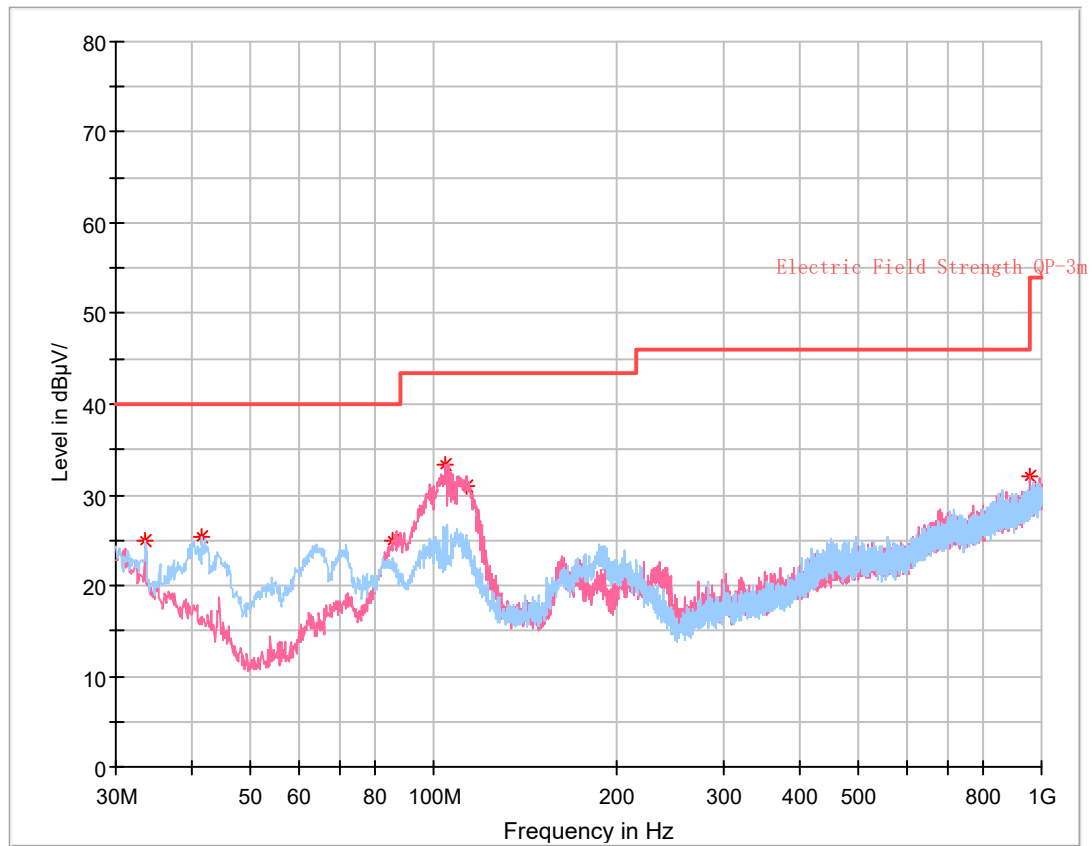
Environmental Conditions

Temperature:	26~27.3 °C
Relative Humidity:	54~57 %
ATM Pressure:	101 kPa

The testing was performed by Cloud Qiu on 2021-09-07 for below 1GHz and by Bruce Lin on 2021-09-07 for above 1GHz.

EUT operation mode: Transmitting

30 MHz~1 GHz: (the worst case is 802.11a Mode, 5785MHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
33.516250	24.89	40.00	15.11	100.0	H	345.0	-6.2
41.640000	25.32	40.00	14.68	100.0	H	0.0	-11.5
85.896250	25.04	40.00	14.96	200.0	V	284.0	-16.6
104.568750	33.42	43.50	10.08	300.0	V	49.0	-12.5
112.935000	31.05	43.50	12.45	300.0	V	49.0	-10.9
958.775000	32.12	46.00	13.88	200.0	V	103.0	2.0

1 ~ 40 GHz:

Note: The test distance is 1m, so the correct factor from 3m to 1m is $20\log(3/1)=9.5\text{dB}$ which was added into the final limit.

5150-5250 MHz:

Frequency (MHz)	Receiver		Turntable	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.407/205/209	
	Reading (dBμV)	PK/QP/Ave.	Degree	Height (m)	Polar (H / V)			Limit (dBμV/m)	Margin (dB)
802.11a									
5180 MHz									
5019.72	31.45	PK	321	2.2	H	38.04	69.49	83.5	14.01
5019.72	18.10	Ave.	321	2.2	H	38.04	56.14	63.5	7.36
5391.47	32.52	PK	210	1.6	H	39.19	71.71	83.5	11.79
5391.47	18.12	Ave.	210	1.6	H	39.19	57.31	63.5	6.19
10360.00	42.15	PK	196	2.3	H	17.42	59.57	77.7	18.13
5200 MHz									
10400.00	41.55	PK	148	2.4	H	17.52	59.07	77.7	18.63
5240 MHz									
5122.25	31.20	PK	86	1.3	H	38.36	69.56	83.5	13.94
5122.25	18.04	Ave.	86	1.3	H	38.36	56.40	63.5	7.10
5389.72	31.46	PK	153	1.9	H	39.19	70.65	83.5	12.85
5389.72	18.11	Ave.	153	1.9	H	39.19	57.30	63.5	6.20
10480.00	41.52	PK	118	2.0	H	17.25	58.77	77.7	18.93
802.11n20									
5180 MHz									
5148.59	34.40	PK	50	2.0	H	38.36	72.76	83.5	10.74
5148.59	18.04	Ave.	89	1.8	H	38.36	56.40	63.5	7.10
5433.81	31.74	PK	0	2.4	H	39.29	71.03	83.5	12.47
5433.81	18.16	Ave.	0	2.4	H	39.29	57.45	63.5	6.05
10360.00	42.07	PK	221	1.5	H	17.42	59.49	77.7	18.21
5200 MHz									
10400.00	41.49	PK	155	1.5	H	17.52	59.01	77.7	18.69
5240 MHz									
4716.82	30.88	PK	35	2.5	H	37.58	68.46	83.5	15.04
4716.82	17.87	Ave.	35	2.5	H	37.58	55.45	63.5	8.05
5396.56	31.66	PK	69	1.5	H	39.19	70.85	83.5	12.65
5396.56	17.92	Ave.	69	1.5	H	39.19	57.11	63.5	6.39
10480.00	41.47	PK	274	1.4	H	17.25	58.72	77.7	18.98

Frequency (MHz)	Receiver		Turntable	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.407/205/209	
	Reading (dBμV)	PK/QP/Ave.	Degree	Height (m)	Polar (H / V)			Limit (dBμV/m)	Margin (dB)
802.11n40									
5190 MHz									
5149.53	35.95	PK	263	2.3	H	38.36	74.31	83.5	9.19
5149.53	18.67	Ave.	263	2.3	H	38.36	57.03	63.5	6.47
5421.56	31.86	PK	6	1.7	H	39.19	71.05	83.5	12.45
5421.56	18.48	Ave.	6	1.7	H	39.19	57.67	63.5	5.83
10380.00	41.86	PK	98	2.5	H	17.42	59.28	77.7	18.42
5230 MHz									
5083.68	30.96	PK	40	1.9	H	38.26	69.22	83.5	14.28
5083.68	18.20	Ave.	40	1.9	H	38.26	56.46	63.5	7.04
5404.84	31.83	PK	219	1.1	H	39.19	71.02	83.5	12.48
5404.84	18.37	Ave.	219	1.1	H	39.19	57.56	63.5	5.94
10460.00	41.48	PK	250	1.2	H	17.15	58.63	77.7	19.07
802.11ac20									
5180 MHz									
5145.77	33.15	PK	57	1.9	H	38.36	71.51	83.5	11.99
5145.77	18.02	Ave.	57	1.9	H	38.36	56.38	63.5	7.12
5372.84	31.70	PK	261	2.5	H	39.09	70.79	83.5	12.71
5372.84	17.92	Ave.	261	2.5	H	39.09	57.01	63.5	6.49
10360.00	41.79	PK	335	1.2	H	17.42	59.21	77.7	18.49
5200 MHz									
10400.00	41.39	PK	111	2.1	H	17.52	58.91	77.7	18.79
5240 MHz									
5067.69	31.45	PK	314	1.3	H	38.16	69.61	83.5	13.89
5067.69	18.02	Ave.	314	1.3	H	38.16	56.18	63.5	7.32
5416.30	31.28	PK	205	1.9	H	39.19	70.47	83.5	13.03
5416.30	17.96	Ave.	205	1.9	H	39.19	57.15	63.5	6.35
10480.00	41.56	PK	298	2.0	H	17.25	58.81	77.7	18.89
802.11ac40									
5190 MHz									
5147.65	31.80	PK	112	2.2	H	38.36	70.16	83.5	13.34
5147.65	18.45	Ave.	112	2.2	H	38.36	56.81	63.5	6.69
5420.12	31.62	PK	119	1.6	H	39.19	70.81	83.5	12.69
5420.12	18.63	Ave.	119	1.6	H	39.19	57.82	63.5	5.68
10380.00	41.39	PK	229	1.1	H	17.42	58.81	77.7	18.89
5230 MHz									
5062.99	30.98	PK	49	1.1	H	38.16	69.14	83.5	14.36
5062.99	18.29	Ave.	49	1.1	H	38.16	56.45	63.5	7.05
5351.35	31.64	PK	272	1.3	H	39.09	70.73	83.5	12.77
5351.35	18.38	Ave.	272	1.3	H	39.09	57.47	63.5	6.03
10460.00	41.24	PK	115	1.5	H	17.15	58.39	77.7	19.31

Frequency (MHz)	Receiver		Turntable	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBµV/m)	FCC Part 15.407/205/209	
	Reading (dBµV)	PK/QP/Ave.	Degree	Height (m)	Polar (H / V)			Limit (dBµV/m)	Margin (dB)
802.11ac80									
5210MHz									
5144.83	33.65	PK	173	1.7	H	38.36	72.01	83.5	11.49
5144.83	20.07	Ave.	173	1.7	H	38.36	58.43	63.5	5.07
5453.87	31.44	PK	14	1.8	H	39.37	70.81	83.5	12.69
5453.87	19.46	Ave.	14	1.8	H	39.37	58.83	63.5	4.67
10420.00	41.47	PK	238	2.4	H	17.52	58.99	77.7	18.71

5725-5850 MHz:

Frequency (MHz)	Receiver		Turntable Degree	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.407/205/209	
	Reading (dBμV)	PK/QP/Ave.		Height (m)	Polar (H/V)			Limit (dBμV/m)	Margin (dB)
802.11a									
5745 MHz									
5603.01	32.01	PK	110	2.4	H	39.46	71.47	77.7	6.23
5693.16	32.21	PK	96	1.3	H	39.49	71.70	109.64	37.94
5718.59	36.18	PK	339	1.2	H	39.49	75.67	119.91	44.24
5724.74	40.49	PK	109	1.4	H	39.49	79.98	131.11	51.13
11490.00	41.26	PK	350	1.5	H	17.47	58.73	83.5	24.77
11490.00	27.47	Ave.	350	1.5	H	17.47	44.94	63.5	18.56
5785 MHz									
11570.00	42.09	PK	71	1.1	H	17.51	59.60	83.5	23.90
11570.00	27.68	Ave.	300	1.6	H	17.51	45.19	63.5	18.31
5825 MHz									
5851.46	35.78	PK	182	1.5	H	39.87	75.65	128.37	52.72
5858.52	34.72	PK	242	1.2	H	39.87	74.59	119.31	44.72
5881.33	33.83	PK	245	1.1	H	39.87	73.70	110.02	36.32
5930.97	34.39	PK	141	1.7	H	39.97	74.36	77.7	3.34
11650.00	42.32	PK	265	1.6	H	16.18	58.50	83.5	25.00
11650.00	28.25	Ave.	265	1.6	H	16.18	44.43	63.5	19.07
802.11n20									
5745 MHz									
5637.23	32.18	PK	223	1.4	H	39.46	71.64	77.7	6.06
5655.97	33.09	PK	184	2.4	H	39.49	72.58	82.12	9.54
5718.51	36.88	PK	329	1.2	H	39.49	76.37	119.88	43.51
5724.67	42.32	PK	183	1.6	H	39.49	81.81	130.95	49.14
11490.00	41.62	PK	241	2.2	H	17.47	59.09	83.5	24.41
11490.00	27.41	Ave.	123	1.3	H	17.47	44.88	63.5	18.62
5785 MHz									
11570.00	42.51	PK	259	1.9	H	17.51	60.02	83.5	23.48
11570.00	27.72	Ave.	74	1.3	H	17.51	45.23	63.5	18.27
5825 MHz									
5851.39	36.16	PK	187	1.8	H	39.87	76.03	128.53	52.50
5855.71	35.36	PK	114	1.4	H	39.87	75.23	120.1	44.87
5883.07	33.74	PK	160	1.4	H	39.87	73.61	108.73	35.12
5958.03	33.85	PK	265	1.9	H	39.84	73.69	77.7	4.01
11650.00	43.09	PK	23	1.4	H	16.18	59.27	83.5	24.23
11650.00	28.29	Ave.	23	1.4	H	16.18	44.47	63.5	19.03

Frequency (MHz)	Receiver		Turntable Degree	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.407/205/209	
	Reading (dBμV)	PK/QP/Ave.		Height (m)	Polar (H/V)			Limit (dBμV/m)	Margin (dB)
802.11n40									
5755 MHz									
5636.43	32.21	PK	248	1.4	H	39.46	71.67	77.7	6.03
5697.94	34.15	PK	350	1.1	H	39.49	73.64	113.18	39.54
5719.38	40.97	PK	323	2.1	H	39.49	80.46	120.13	39.67
5723.68	42.82	PK	216	2.1	H	39.49	82.31	128.69	46.38
11510.00	42.08	PK	324	2.2	H	17.47	59.55	83.5	23.95
11510.00	27.64	Ave.	37	2.0	H	17.47	45.11	63.5	18.39
5795 MHz									
5850.93	35.39	PK	239	2.2	H	39.87	75.26	129.58	54.32
5868.85	33.94	PK	144	2.4	H	39.87	73.81	116.42	42.61
5909.84	33.14	PK	319	1.3	H	39.87	73.01	88.92	15.91
5964.25	33.51	PK	77	1.9	H	39.84	73.35	77.7	4.35
11590.00	42.21	PK	282	1.6	H	17.51	59.72	83.5	23.78
11590.00	27.45	Ave.	64	1.4	H	17.51	44.96	63.5	18.54
802.11ac20									
5745 MHz									
5616.90	32.78	PK	331	1.3	H	39.46	72.24	77.7	5.46
5688.68	32.28	PK	298	2.1	H	39.49	71.77	106.32	34.55
5719.66	33.53	PK	326	2.4	H	39.49	73.02	120.2	47.18
5724.97	39.81	PK	267	2.3	H	39.49	79.30	131.63	52.33
11490.00	41.44	PK	269	1.2	H	17.47	58.91	83.5	24.59
11490.00	27.12	Ave.	269	1.2	H	17.47	44.59	63.5	18.91
5785 MHz									
11570.00	41.95	PK	179	1.7	H	17.51	59.46	83.5	24.04
11570.00	27.41	Ave.	179	1.7	H	17.51	44.92	63.5	18.58
5825 MHz									
5850.29	35.95	PK	167	1.7	H	39.87	75.82	131.04	55.22
5859.64	33.69	PK	192	1.1	H	39.87	73.56	119	45.44
5912.08	33.74	PK	331	1.6	H	39.87	73.61	87.26	13.65
5928.65	33.62	PK	184	1.6	H	39.97	73.59	77.7	4.11
11650.00	41.82	PK	100	1.4	H	16.18	58.00	83.5	25.50
11650.00	27.76	Ave.	100	1.4	H	16.18	43.94	63.5	19.56

Frequency (MHz)	Receiver		Turntable Degree	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	FCC Part 15.407/205/209	
	Reading (dBμV)	PK/QP/Ave.		Height (m)	Polar (H/V)			Limit (dBμV/m)	Margin (dB)
802.11ac40									
5755 MHz									
5635.42	32.29	PK	282	1.5	H	39.46	71.75	77.7	5.95
5699.96	32.09	PK	127	1.4	H	39.49	71.58	114.67	43.09
5719.55	34.82	PK	195	1.8	H	39.49	74.31	120.17	45.86
5721.75	37.79	PK	152	1.8	H	39.49	77.28	124.29	47.01
11510.00	43.97	PK	303	1.6	H	17.47	61.44	83.5	22.06
11510.00	29.15	Ave.	303	1.6	H	17.47	46.62	63.5	18.58
5795 MHz									
5854.44	33.58	PK	123	2.2	H	39.87	73.45	121.58	48.13
5866.97	33.45	PK	47	1.2	H	39.87	73.32	116.95	43.63
5922.14	33.32	PK	167	1.5	H	39.97	73.29	79.82	6.53
5952.89	33.19	PK	62	2.2	H	39.84	73.03	77.7	4.67
11590.00	41.94	PK	265	1.9	H	17.51	59.45	83.5	24.05
11590.00	28.43	Ave.	265	1.9	H	17.51	45.94	63.5	18.56
802.11ac80									
5775 MHz									
5641.42	32.92	PK	322	2.1	H	39.46	72.38	77.7	5.32
5699.67	34.41	PK	255	1.8	H	39.49	73.90	114.46	40.56
5719.90	36.21	PK	81	1.7	H	39.49	75.70	120.27	44.57
5721.61	37.61	PK	104	1.7	H	39.49	77.10	123.97	46.87
5854.18	38.27	PK	243	1.8	H	39.87	78.14	122.17	44.03
5858.66	37.65	PK	8	1.9	H	39.87	77.52	119.28	41.76
5878.07	34.44	PK	168	1.6	H	39.87	74.31	112.43	38.12
5949.20	33.48	PK	115	2.0	H	39.97	73.45	77.7	4.25
11550.00	42.34	PK	170	2.5	H	17.51	59.85	83.5	23.65
11550.00	29.80	Ave.	170	2.5	H	17.51	47.31	63.5	18.39

Note:

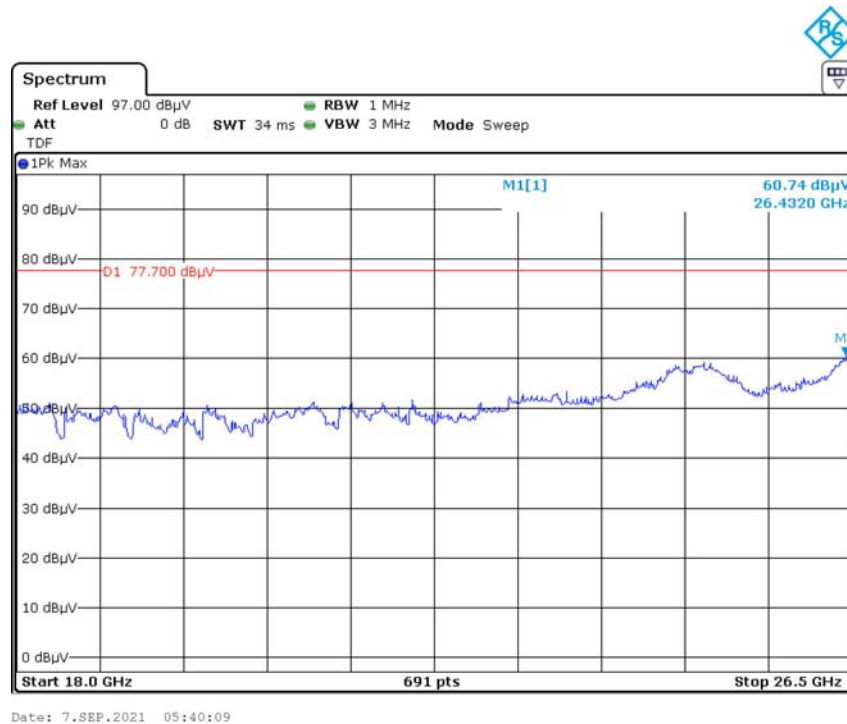
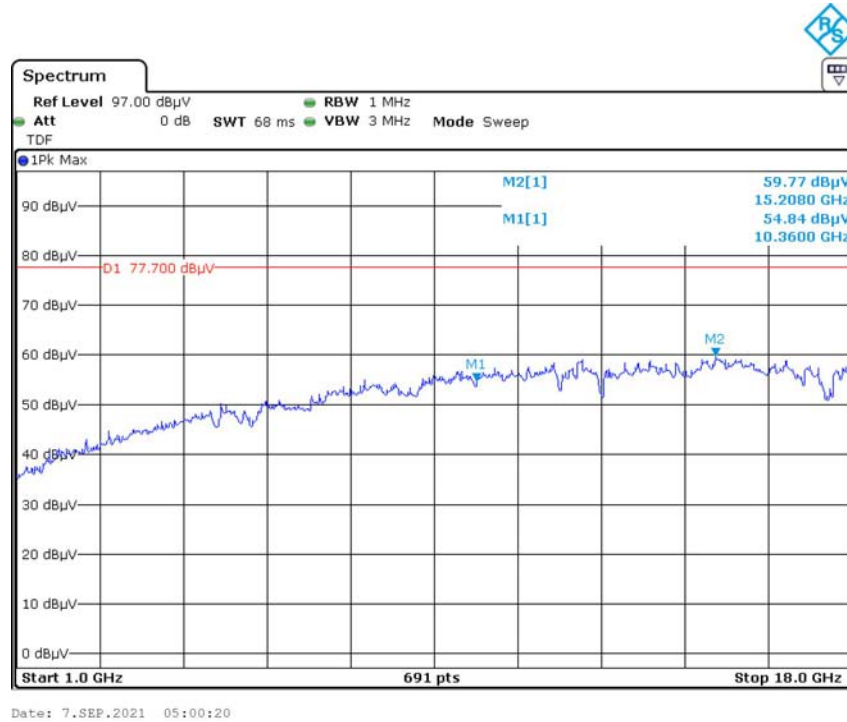
Corrected Amplitude = Corrected Factor + Reading

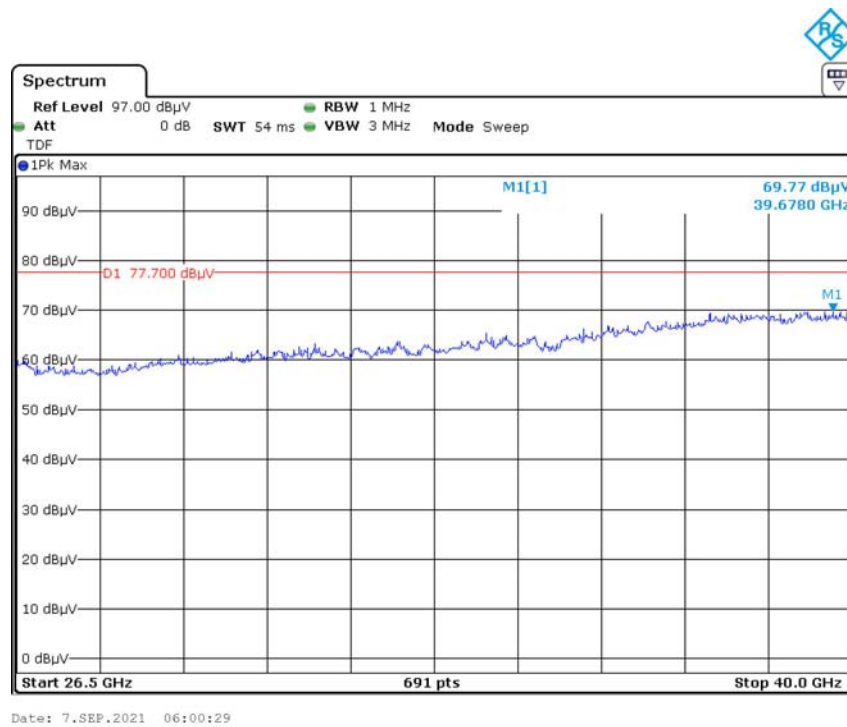
Corrected Factor=Antenna factor (RX) + Cable Loss – Amplifier Factor

Margin = Limit- Corr. Amplitude

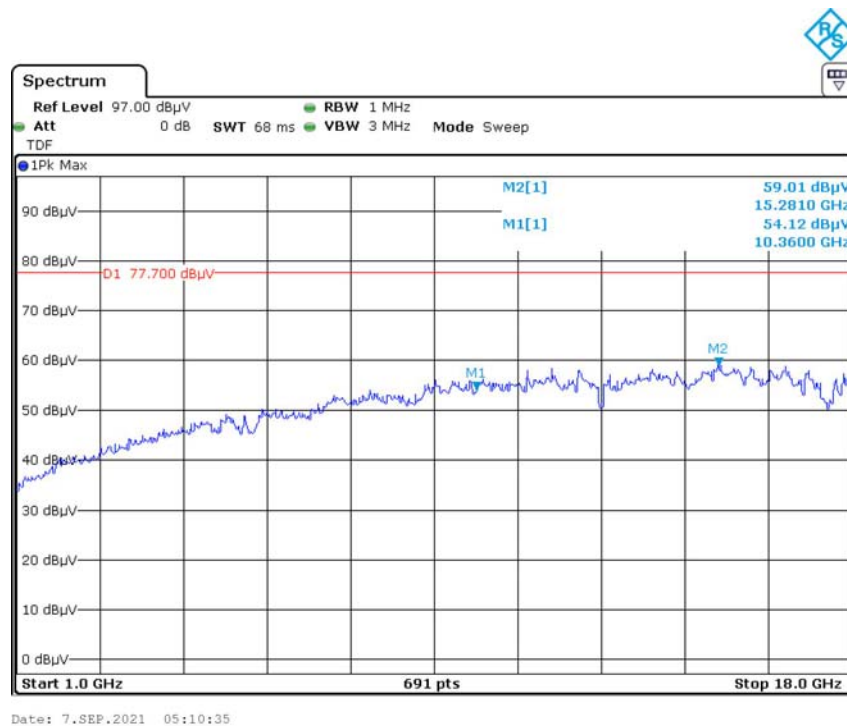
All other spurious emissions are 20 dB below the limit or are on the system noise floor level.

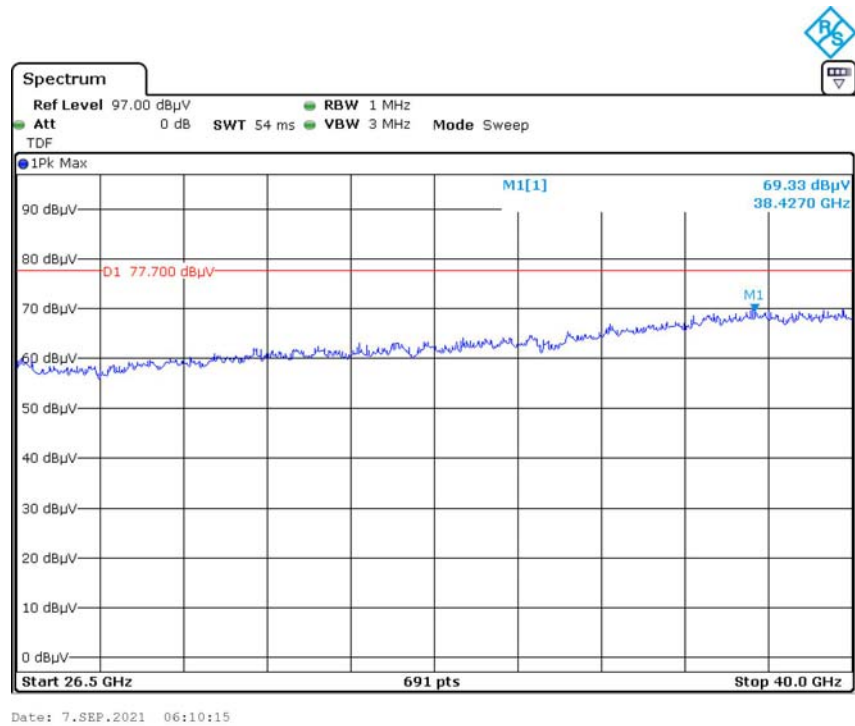
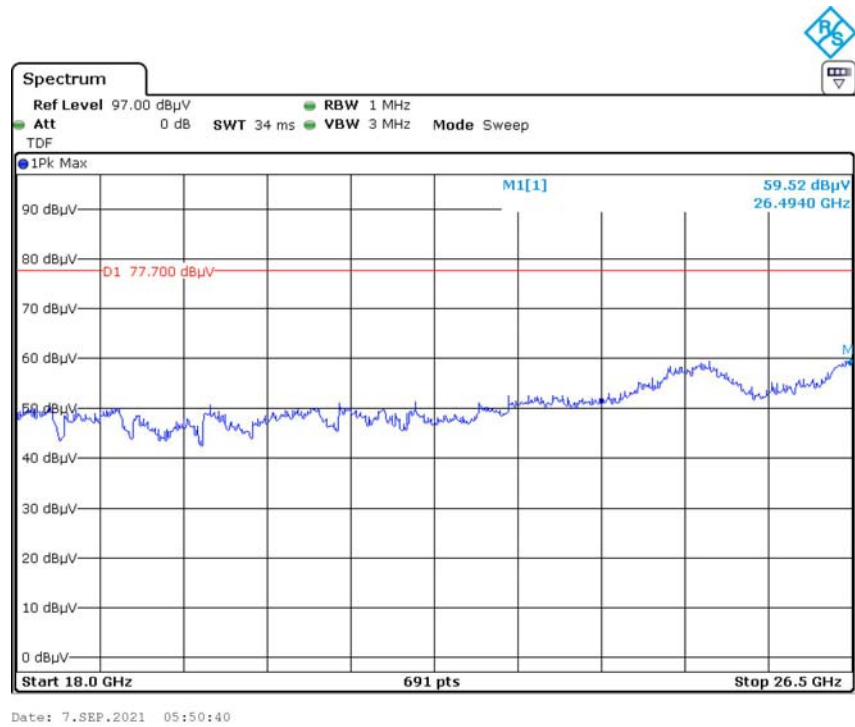
Peak

Pre-scan with 802.11a 5180MHz
Horizontal



Vertical





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