



MEASUREMENT REPORT

FCC PART 2, 22 Subpart H, 24 Subpart E, 27 Subpart H/M

Report No.: S20250915537902

Issue Date: 2025-12-04

Applicant: Queclink Wireless Solutions Co., Ltd.
Address: No.30, Lane 500, Xinlong Road, Minhang District, Shanghai,
 China, 201101
FCC ID: YQD-GL33CG
Product: GPS Tracker
Model No.: GL33CG
FCC Classification: PCS Licensed Transmitter
FCC Rule Part(s): FCC CFR Title 47 Part 2, FCC CFR Title 47 Part 22 Subpart H,
 FCC CFR Title 47 Part 24 Subpart E, FCC CFR Title 47 Part 27
 Subpart H, FCC CFR Title 47 Part 27 Subpart M
Test Procedure(s): ANSI C63.26-2015
Result: Pass
Item Receipt Date: Sep. 22, 2025
Test Date: Sep. 25 ~ Nov. 17, 2025



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The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4-2014. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of Fangguang Inspection & Testing Co., Ltd. Wuxi Branch

The test report must not be used by the client to claim product certifications, approval, or endorsement by NVLAP, NIST or any agency of U.S. Government.

Revision History

Report No.	Version	Description	Issue Date
S20250915537902	Rev. 01	/	2025-12-04

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§2.1033 General Information

Applicant:	Queclink Wireless Solutions Co., Ltd.
Applicant Address:	No.30, Lane 500, Xinlong Road, Minhang District, Shanghai, China, 201101
Manufacturer:	Queclink Wireless Solutions Co., Ltd.
Manufacturer Address:	No.30, Lane 500, Xinlong Road, Minhang District, Shanghai, China, 201101
Factory:	Queclink Wireless Solutions Co., Ltd.
Factory Address:	No.30, Lane 500, Xinlong Road, Minhang District, Shanghai, China, 201101
Test Site:	Fangguang Inspection & Testing Co., Ltd.
LAB ID:	CN5037
LAB registration number:	600222-0
Test Site Address:	No.8 Ningyun Rd., Xinwu District Wuxi, Jiangsu 214000 China
FCC Rule Part(s):	FCC CFR Title 47 Part 2, FCC CFR Title 47 Part 22 Subpart H, FCC CFR Title 47 Part 24 Subpart E, FCC CFR Title 47 Part 27 Subpart H, FCC CFR Title 47 Part 27 Subpart M
FCC ID:	YQD-GL33CG
Test Device Serial No.:	S/N.:/ ☐ Production ☒ Pre-Production ☐ Engineering
FCC Classification:	/

1. Introduction

1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Innovation, Science and Economic Development Canada.

1.2. Fangguang Test Location

These measurement tests were performed at the Fangguang Inspection and testing Co.,LTD located at No.8 Ningyun Rd., Xinwu District Wuxi, Jiangsu 214000 China. The detailed description of the measurement facility was found to be in compliance with the requirements of ANSI C63.26-2015-2015.

2. Product Information

2.1. Equipment Description

Product Name:	GPS Tracker
Model Name:	GL33CG
Trade Mark:	Queclink
Input Voltage Range:	DC 3.7V
Hardware Version:	1.03
Software Version:	GL33CGR01A03V14M128
RF Function:	GPRS/EGPRS, LTE
Antenna Gain:	700 ~ 960 MHz 1.32dBi 1710 ~ 2690 MHz 1.69dBi
Maximum Output Power:	GPRS/EGPRS 850: 33.39dBm GPRS/EGPRS 1900: 29.05dBm Band 2: 26.01dBm Band 4: 25.75dBm Band 5: 26.24dBm Band 7: 23.95dBm
Frequency range:	GPRS/EGPRS 850: 824-849 MHz (TX), 869-894 MHz (RX) GPRS/EGPRS 1900: 1850-1910 MHz (TX), 1930-1990MHz (RX) LTE Band 2: 1850-1910 MHz (TX), 1930-1990MHz (RX) LTE Band 4: 1710-1755 MHz (TX), 2110-2155MHz (RX) LTE Band 5: 824-849 MHz (TX), 869-894 MHz (RX) LTE Band 7: 2500-2570 MHz (TX), 2620-2690 MHz (RX)
Bandwidth:	GPRS/EGPRS 850: 200kHz GPRS/EGPRS 1900: 200kHz Band 2: 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz Band 4: 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz Band 5: 1.4MHz, 3MHz, 5MHz, 10MHz Band 7: 5MHz, 10MHz, 15MHz, 20MHz
Modulation:	GPRS/EGPRS: GMSK,8PSK; LTE: QPSK,16QAM
Antenna Type:	PIFA antenna
Temperature Range:	-20°C ~ 60 °C
EUT sample number:	S202509155379-1-1 (Radiated) S202509155379-1-2 (Conducted)

Note:

1. This information is provided by the Customer and its authenticity is the responsibility of the Customer.
2. The maximum Antenna Gain was declared by the manufacturer.

2.2. Channel List

The EUT was configured for testing according to ANSI C63.26-2015-2015.

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

Mode		Channel		Frequency (MHz)
GPRS/EGPRS 850		Low	128	824.2
		Middle	190	836.6
		High	251	848.8
GPRS/EGPRS 1900		Low	512	1850.2
		Middle	661	1880.0
		High	810	1909.8
LTE Band 2	1.4M	Low	18607	1850.7
		Middle	18900	1880.0
		High	19193	1909.3
	3M	Low	18615	1851.5
		Middle	18900	1880.0
		High	19185	1908.5
	5M	Low	18625	1852.5
		Middle	18900	1880.0
		High	19175	1907.5
	10M	Low	18650	1855.0
		Middle	18900	1880.0
		High	19150	1905.0
	15M	Low	18675	1857.5
		Middle	18900	1880.0
		High	19125	1902.5
	20M	Low	18700	1860.0
		Middle	18900	1880.0
		High	19100	1900.0
LTE Band 4	1.4M	Low	19957	1710.7
		Middle	20175	1732.5
		High	20393	1754.3
	3M	Low	19965	1711.5
		Middle	20175	1732.5

	5M	High	20385	1753.5
		Low	19975	1712.5
		Middle	20175	1732.5
		High	20375	1752.5
	10M	Low	20000	1715.0
		Middle	20175	1732.5
		High	20350	1750.0
	15M	Low	20025	1717.5
		Middle	20175	1732.5
		High	20325	1747.5
	20M	Low	20050	1720.0
		Middle	20175	1732.5
		High	20300	1745.0
LTE Band 5	1.4M	Low	20407	824.7
		Middle	20525	836.5
		High	20643	848.3
	3M	Low	20415	825.5
		Middle	20525	836.5
		High	20635	847.5
	5M	Low	20425	826.5
		Middle	20525	836.5
		High	20625	846.5
	10M	Low	20450	829
		Middle	20525	836.5
		High	20600	844
LTE Band 7	5M	Low	20775	2502.5
		Middle	21100	2535.0
		High	21425	2567.5
	10M	Low	20800	2505.0
		Middle	21100	2535.0
		High	21400	2565.0
	15M	Low	20825	2507.5
		Middle	21100	2535.0
		High	21375	2562.5
	20M	Low	20850	2510.0
		Middle	21100	2535.0
		High	21350	2560.0

2.3. Test Configuration

The EUT was tested per the guidance of ANSI C63.26-2015 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing.

2.4. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

2.5. EUT Photo

The EUT external photo, internal photo and test setup photo, please refer to the plots in the S202509155379-A1/A2/A3.

2.6. Labeling Requirements

Per 2.1074 & 15.19; Docket 95-19

The label shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphlet supplied to the user and be readily visible to the purchaser at the time of purchase. However, when the device is so small wherein placement of the label with specified statement is not practical, only the FCC ID must be displayed on the device per Section 15.19(a)(5). Please see attachment for FCC ID label and label location.

2.7. Calculation with all conversion and correction factors used

For AC Line Conducted Emissions Test:

Measure Level (dB μ V) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

For Radiated Emissions Below 1GHz Test:

Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

For Radiated Emissions Above 1GHz Test:

Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

3. Description of Test

3.1. Evaluation Procedure

The measurement procedures described in the American National Standard for Testing Licensed Radio Services(ANSI C63.26-2015-2015), and the guidance provided in KDB 971168 D01 V03r01 were used in the measurement of the EUT.

Deviation from measurement procedure.....None

3.2. AC Line Conducted Emissions

The line-conducted facility is located inside an 8'x4'x4' shielded enclosure. A 1m x 2m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, 50Ω/50uH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.

The EUT is powered from one LISN and the support equipment is powered from the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference ground-plane. Power cables for support equipment were routed down to the second LISN while ensuring that that cables were not draped over the second LISN.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the receiver and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The receiver was scanned from 150kHz to 30MHz. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 9kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Each emission was also maximized by varying: power lines, the mode of operation or data exchange speed, or support equipment whichever determined the worst-case emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions are used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.

An extension cord was used to connect to a single LISN which powered by EUT. The extension cord was calibrated with LISN, the impedance and insertion loss are compliance with the requirements as stated in ANSI C63.26-2015-2015.

3.3. Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. For measurements above 1GHz absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections. For measurements below 1GHz, the absorbers are removed. The turntable is used for radiated measurement. It is a continuously rotatable, remote controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An 80cm high PVC support structure is placed on top of the turntable.

For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33(b)(1) depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. For frequencies below 30MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up for frequencies below 1GHz was placed on top of the 0.8 meter high, 1 x 1.5 meter table; and test set-up for frequencies 1-25GHz was placed on top of the 1.5 meter high, 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, clock speed, mode of operation or video resolution, if applicable, turntable azimuth, and receive antenna height was noted for each frequency found.

Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive antenna, whichever produced the worst-case emissions. According to 3dB Beam-Width of horn antenna, the horn antenna should be always directed to the EUT when rising height.

4. Test Result Summary

4.1. Test Standards

No.	Identity	Document Title
1	FCC CFR Title 47 Part 2 Section 2.1047,21049	Frequency Allocations And Radio Treaty Mattres; General Rules And Regulations
2	FCC CFR Title 47 Part 22 Subpart H	Cellular Radiotelephone Service
3	FCC CFR Title 47 Part 24 Subpart E	Broadband PCS
4	FCC CFR Title 47 Part 27 Subpart M	Broadband Radio Service and Educational Broadband Service
5	FCC CFR Title 47 Part 27 Subpart H	Competitive Bidding Procedures for the 698-746 MHz Band

4.2. Test Result

GPRS/EGPRS1900/ LTE Band 2			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §24.232(c)	EIRP $\leq$ 2 W	PASS
Peak-Average Ratio	§24.232(d)	Limit $\leq$ 13 dB	PASS
Modulation Characteristics	§2.1047	Digital modulation	PASS
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	PASS
Band Edges Compliance	§2.1051, §24.238(a)(b)	Refer to section 10.1	PASS
Spurious Emission at Antenna Terminals	§2.1051, §24.238(a)(b)	$\leq$ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §24.238(a)	$\leq$ -13 dBm/1MHz.	PASS
Frequency Stability	§2.1055, §24.235	No limit	PASS

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

LTE Band 4			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(d)(4)	EIRP ≤ 1 W	PASS
Peak-Average Ratio	§22.913(d)(5)	Limit ≤ 13 dB	PASS
Modulation Characteristics	§2.1047	Digital modulation	PASS
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	PASS
Band Edges Compliance	§2.1051, §27.53(h)(1) §27.53(h)(3)(i)	Refer to section 10.1	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(h)(1)	≤ -13 dBm/100kHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(h)(1)	≤ -13 dBm/100kHz.	PASS
Frequency Stability	§2.1055, §27.54	No limit	PASS

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

GPRS/EGPRS850TE Band 5			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §22.913(a)(5)	EIRP ≤ 11.5 W (ERP ≤ 7 W)	PASS
Peak-Average Ratio	§22.913 (d)	≤ 13 dB	PASS
Modulation Characteristics	§2.1047	Digital modulation	PASS
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	PASS
Band Edges Compliance	§2.1051, §22.917(b)(1)	Refer to section 10.1	PASS
Spurious Emission at Antenna Terminals	§2.1051, §22.917(a)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §22.917(a)	≤ -13 dBm/1MHz.	PASS

Frequency Stability	§2.1055, §22.355	$\leq \pm 2.5\text{ppm.}$	PASS
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Remark: For the verdict, the “N/A” denotes “not applicable”, the “N/T” denotes “not tested”.

LTE Band 7			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(h)(2)	EIRP $\leq 2\text{W}$	PASS
Peak-Average Ratio	N/A	N/A	N/A
Modulation Characteristics	§2.1047	Digital modulation	PASS
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	PASS
Band Edges Compliance	§2.1051, §27.53(m)(4)	Refer to section 10.1	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(m)(4)	$\leq -25\text{ dBm/1MHz}$	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(m)(4)	$\leq -25\text{ dBm/1MHz.}$	PASS
Frequency Stability	§2.1055, §27.54	No limit	PASS

Remark: For the verdict, the “N/A” denotes “not applicable”, the “N/T” denotes “not tested”.

5. Test Equipment Calibration Date

Radiated Emission

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Loop Antenna	Schwarzbeck	FMZB 1519B	FWXGJC-2018-015	1 year	2026/06/21
Broadband Antenna	R&S	VULB 9168	FWXGJC-2024-055	1 year	2026/06/21
Broadband Horn Antenna	R&S	HF907	FWXGJC-2016-267-07	1 year	2026/06/21
Broadband Horn Antenna	Schwarzbeck	BBHA9170	FWXGJC-2018-016	1 year	2026/06/21
EMI Receiver	R&S	ESR26	FWXGJC-2016-267-01	1 year	2026/07/16
Spectrum Analyzer	Keysight	N9010B	FWXGJC-2018-010	1 year	2026/07/16
Pre-Amplifier	Tonscend	TAP0118048	FWXGJC-2024-056	1 year	2026/06/21
Pre-Amplifier	Chengyi	EMC184055SE	FWXGJC-2018-018	1 year	2026/07/16
Thermohygrometer	Yuhuaize	HTC-1	FWXDA-2016-387	1 year	2026/08/24
Wideband Radio Communication Tester	R&S	CMW500	FWXZ-2025-001	1 year	2026/07/07
Wireless Connectivity Tester	R&S	CMW270	FWXGJC-2018-023	1 year	2026/07/20
Anechoic Chamber	SAEMC	FSAC318	FGZZ-2024-035	3 year	2027/06/02

Conducted Test Equipment

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Spectrum Analyzer	Keysight	N9010B	FWXGJC-2018-010	1 year	2026/07/16
Spectrum Analyzer	Keysight	N9020A	FWXGJC-2025-006	1 year	2026/07/16
Vector Signal Generator	Keysight	N5182B	FWXGJC-2018-011	1 year	2026/07/07
Analog Signal Generator	Keysight	N5171B	FWXGJC-2018-012	1 year	2026/07/14
Wideband Radio Communication Tester	R&S	CMW500	FWXZ-2025-001	1 year	2026/07/07
Wireless Connectivity Tester	R&S	CMW270	FWXGJC-2018-023	1 year	2026/07/20
RF Control Unit	Toncend	JS0806-2	FWXGJC-2018-013	1 year	2026/07/16
Thermohygrometer	Yuhuaize	HTC-1	FWXDA-2016-385	1 year	2026/08/24

Auxiliary Equipment

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Filter	Tonscend	ZBSF6	07247867	1 year	2026/07/16
Filter	Tonscend	ZHPF6	07233297	1 year	2026/07/16
Attenuator	Tonscend	10dB	/	1 year	2026/07/16
RF Cable	Tonscend	T-1	/	1 year	2026/07/16

Test Software

Test Software	Manufacturer	Version	Asset No.	Function
JS36-RSE	Tonscend	5.0.0	/	RSE
JS1120	Tonscend	3.1.46	/	RF

6. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

AC Conducted Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 2.68dB
Radiated Emission Measurement (9kHz - 30MHz)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 3.06dB
Radiated Emission Measurement (30MHz -1GHz)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 4.01dB
Radiated Emission Measurement (1-18GHz)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 4.97dB
Radiated Emission Measurement (18-40GHz)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 5.32dB
Spurious Emissions, Conducted
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 30MHz-1GHz: 1.00 dB 1GHz-12.75GHz: 1.30 dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 0.60dB
Power Spectrum Density
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 0.80dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 0.20MHz
Frequency Stability
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 0.1×10^{-6} MHz

7. Effective (Isotropic) Radiated Power Output Data

7.1. Limit

According to FCC section 22.913 (a)(5), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 24.232 (c) the mobile and portable stations are limited to 2 watts EIRP.

According to FCC section 27.50 (d)(4), mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

According to FCC section 27.50 (h)(2), Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

7.2. Test Procedures

Measurement Procedure: FCC KDB 971168 D01 V03r01

1. Connect the test system to the UE antenna connector.
2. A call is set up according to the Generic call setup procedure.
3. Set and send continuously up power control commands to the UE, until the UE output power shall be maximum level.
4. Read the conducted power in the base station.

Remark:

- a: For getting the EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{EIRP [dBm]} = \text{Conducted output power [dBm]} + \text{Gain [dBi]}$$

$$\text{ERP [dBm]} = \text{Conducted output power [dBm]} + \text{Gain [dBi]} - 2.15\text{dB}$$

$$P [\text{dBm}] = 10\lg(P/1\text{mw})$$

7.3. Test Setup



7.4. Test Result

Effective Radiated Power

EUT Name	GPS Tracker	Model	GL33CG
Test Date	2025.09.25 to 2025.11.17	Test Mode	GPRS 850/1900
Test Engineer	Stone Zhang	Environmental Conditions	Temp:23.0 ~ 31.8°C;Humi:25 ~ 63%RH

Band	Channel	Up Slot Num	Result (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
GPRS850	128	1	33.39	32.56	38.45	PASS
GPRS850	128	2	33.38	32.55	38.45	PASS
GPRS850	128	3	32.24	31.41	38.45	PASS
GPRS850	128	4	31.12	30.29	38.45	PASS
GPRS850	190	1	33.25	32.42	38.45	PASS
GPRS850	190	2	33.25	32.42	38.45	PASS
GPRS850	190	3	32.05	31.22	38.45	PASS
GPRS850	190	4	30.88	30.05	38.45	PASS
GPRS850	251	1	33.18	32.35	38.45	PASS
GPRS850	251	2	33.17	32.34	38.45	PASS
GPRS850	251	3	31.87	31.04	38.45	PASS
GPRS850	251	4	30.63	29.8	38.45	PASS
GPRS1900	512	1	28.89	30.58	33.01	PASS
GPRS1900	512	2	28.93	30.62	33.01	PASS
GPRS1900	512	3	27.96	29.65	33.01	PASS
GPRS1900	512	4	26.02	27.71	33.01	PASS
GPRS1900	661	1	29.05	30.74	33.01	PASS
GPRS1900	661	2	29.05	30.74	33.01	PASS
GPRS1900	661	3	27.99	29.68	33.01	PASS
GPRS1900	661	4	26.02	27.71	33.01	PASS
GPRS1900	810	1	28.94	30.63	33.01	PASS
GPRS1900	810	2	28.93	30.62	33.01	PASS
GPRS1900	810	3	27.87	29.56	33.01	PASS
GPRS1900	810	4	25.86	27.55	33.01	PASS

EUT Name	GPS Tracker	Model	GL33CG
Test Date	2025.09.25 to 2025.11.17	Test Mode	EGPRS 850/1900
Test Engineer	Stone Zhang	Environmental Conditions	Temp:23.0 ~ 31.8°C;Humi:25 ~ 63%RH

Band	Channel	Up Slot Num	Result (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	28.28	27.45	38.45	PASS
EGPRS850	128	2	26.64	25.81	38.45	PASS
EGPRS850	128	3	24.57	23.74	38.45	PASS
EGPRS850	128	4	22.53	21.7	38.45	PASS
EGPRS850	190	1	28.22	27.39	38.45	PASS
EGPRS850	190	2	26.62	25.79	38.45	PASS
EGPRS850	190	3	24.54	23.71	38.45	PASS
EGPRS850	190	4	22.42	21.59	38.45	PASS
EGPRS850	251	1	28.16	27.33	38.45	PASS
EGPRS850	251	2	26.40	25.57	38.45	PASS
EGPRS850	251	3	24.33	23.5	38.45	PASS
EGPRS850	251	4	22.19	21.36	38.45	PASS
EGPRS1900	512	1	26.49	28.18	33.01	PASS
EGPRS1900	512	2	24.89	26.58	33.01	PASS
EGPRS1900	512	3	22.74	24.43	33.01	PASS
EGPRS1900	512	4	20.42	22.11	33.01	PASS
EGPRS1900	661	1	26.29	27.98	33.01	PASS
EGPRS1900	661	2	24.56	26.25	33.01	PASS
EGPRS1900	661	3	22.38	24.07	33.01	PASS
EGPRS1900	661	4	20.04	21.73	33.01	PASS
EGPRS1900	810	1	26.04	27.73	33.01	PASS
EGPRS1900	810	2	24.37	26.06	33.01	PASS
EGPRS1900	810	3	22.16	23.85	33.01	PASS
EGPRS1900	810	4	19.90	21.59	33.01	PASS

EUT Name	GPS Tracker	Model	GL33CG
Test Date	2025.09.25 to 2025.11.17	Test Mode	LTE Band2
Test Engineer	Stone Zhang	Environmental Conditions	Temp:23.0 ~ 31.8°C;Humi:25 ~ 63%RH

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	24.49	26.18	≤33.01	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	24.78	26.47	≤33.01	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	24.90	26.59	≤33.01	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	25.11	26.8	≤33.01	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	25.23	26.92	≤33.01	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	25.30	26.99	≤33.01	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	24.47	26.16	≤33.01	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	24.94	26.63	≤33.01	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	24.82	26.51	≤33.01	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	24.81	26.5	≤33.01	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	24.82	26.51	≤33.01	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	24.81	26.5	≤33.01	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	24.84	26.53	≤33.01	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	23.94	25.63	≤33.01	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.94	25.63	≤33.01	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.98	25.67	≤33.01	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	24.00	25.69	≤33.01	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.92	25.61	≤33.01	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.90	25.59	≤33.01	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.94	25.63	≤33.01	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	23.16	24.85	≤33.01	PASS
Band2	3MHz	QPSK	18615	1RB#0	25.53	27.22	≤33.01	PASS
Band2	3MHz	QPSK	18615	1RB#8	25.50	27.19	≤33.01	PASS
Band2	3MHz	QPSK	18615	1RB#14	25.23	26.92	≤33.01	PASS
Band2	3MHz	QPSK	18615	8RB#0	24.57	26.26	≤33.01	PASS
Band2	3MHz	QPSK	18615	8RB#4	24.57	26.26	≤33.01	PASS
Band2	3MHz	QPSK	18615	8RB#7	24.53	26.22	≤33.01	PASS
Band2	3MHz	QPSK	18615	15RB#0	24.56	26.25	≤33.01	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.78	25.47	≤33.01	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.90	25.59	≤33.01	PASS

Band2	3MHz	QPSK	19185	1RB#14	23.92	25.61	≤33.01	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.98	24.67	≤33.01	PASS
Band2	3MHz	QPSK	19185	8RB#4	23.01	24.7	≤33.01	PASS
Band2	3MHz	QPSK	19185	8RB#7	23.16	24.85	≤33.01	PASS
Band2	3MHz	QPSK	19185	15RB#0	23.08	24.77	≤33.01	PASS
Band2	5MHz	QPSK	18625	1RB#0	25.72	27.41	≤33.01	PASS
Band2	5MHz	QPSK	18625	1RB#12	25.44	27.13	≤33.01	PASS
Band2	5MHz	QPSK	18625	1RB#24	25.29	26.98	≤33.01	PASS
Band2	5MHz	QPSK	18625	12RB#0	24.52	26.21	≤33.01	PASS
Band2	5MHz	QPSK	18625	12RB#6	24.51	26.2	≤33.01	PASS
Band2	5MHz	QPSK	18625	12RB#13	24.35	26.04	≤33.01	PASS
Band2	5MHz	QPSK	18625	25RB#0	24.43	26.12	≤33.01	PASS
Band2	5MHz	QPSK	18900	1RB#0	25.13	26.82	≤33.01	PASS
Band2	5MHz	QPSK	18900	1RB#12	24.97	26.66	≤33.01	PASS
Band2	5MHz	QPSK	18900	1RB#24	24.84	26.53	≤33.01	PASS
Band2	5MHz	QPSK	18900	12RB#0	24.05	25.74	≤33.01	PASS
Band2	5MHz	QPSK	18900	12RB#6	24.06	25.75	≤33.01	PASS
Band2	5MHz	QPSK	18900	12RB#13	23.97	25.66	≤33.01	PASS
Band2	5MHz	QPSK	18900	25RB#0	24.00	25.69	≤33.01	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.91	25.6	≤33.01	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.90	25.59	≤33.01	PASS
Band2	5MHz	QPSK	19175	1RB#24	24.10	25.79	≤33.01	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.86	24.55	≤33.01	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.87	24.56	≤33.01	PASS
Band2	5MHz	QPSK	19175	12RB#13	23.08	24.77	≤33.01	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.95	24.64	≤33.01	PASS
Band2	10MHz	QPSK	18650	1RB#0	25.69	27.38	≤33.01	PASS
Band2	10MHz	QPSK	18650	1RB#24	25.24	26.93	≤33.01	PASS
Band2	10MHz	QPSK	18650	1RB#49	25.72	27.41	≤33.01	PASS
Band2	10MHz	QPSK	18650	25RB#0	24.44	26.13	≤33.01	PASS
Band2	10MHz	QPSK	18650	25RB#12	24.44	26.13	≤33.01	PASS
Band2	10MHz	QPSK	18650	25RB#25	24.52	26.21	≤33.01	PASS
Band2	10MHz	QPSK	18650	50RB#0	24.29	25.98	≤33.01	PASS
Band2	10MHz	QPSK	18900	1RB#0	24.50	26.19	≤33.01	PASS
Band2	10MHz	QPSK	18900	1RB#24	24.37	26.06	≤33.01	PASS
Band2	10MHz	QPSK	18900	1RB#49	24.28	25.97	≤33.01	PASS
Band2	10MHz	QPSK	18900	25RB#0	23.77	25.46	≤33.01	PASS

Band2	10MHz	QPSK	18900	25RB#12	23.83	25.52	≤33.01	PASS
Band2	10MHz	QPSK	18900	25RB#25	23.63	25.32	≤33.01	PASS
Band2	10MHz	QPSK	18900	50RB#0	23.83	25.52	≤33.01	PASS
Band2	10MHz	QPSK	19150	1RB#0	24.18	25.87	≤33.01	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.38	25.07	≤33.01	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.87	25.56	≤33.01	PASS
Band2	10MHz	QPSK	19150	25RB#0	22.96	24.65	≤33.01	PASS
Band2	10MHz	QPSK	19150	25RB#12	23.05	24.74	≤33.01	PASS
Band2	10MHz	QPSK	19150	25RB#25	22.65	24.34	≤33.01	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.61	24.3	≤33.01	PASS
Band2	15MHz	QPSK	18675	1RB#0	25.50	27.19	≤33.01	PASS
Band2	15MHz	QPSK	18675	1RB#38	25.79	27.48	≤33.01	PASS
Band2	15MHz	QPSK	18675	1RB#74	25.96	27.65	≤33.01	PASS
Band2	15MHz	QPSK	18675	38RB#0	24.71	26.4	≤33.01	PASS
Band2	15MHz	QPSK	18675	38RB#18	24.67	26.36	≤33.01	PASS
Band2	15MHz	QPSK	18675	38RB#37	24.73	26.42	≤33.01	PASS
Band2	15MHz	QPSK	18675	75RB#0	24.71	26.4	≤33.01	PASS
Band2	15MHz	QPSK	18900	1RB#0	24.88	26.57	≤33.01	PASS
Band2	15MHz	QPSK	18900	1RB#38	24.69	26.38	≤33.01	PASS
Band2	15MHz	QPSK	18900	1RB#74	24.61	26.3	≤33.01	PASS
Band2	15MHz	QPSK	18900	38RB#0	24.08	25.77	≤33.01	PASS
Band2	15MHz	QPSK	18900	38RB#18	24.15	25.84	≤33.01	PASS
Band2	15MHz	QPSK	18900	38RB#37	24.18	25.87	≤33.01	PASS
Band2	15MHz	QPSK	18900	75RB#0	24.23	25.92	≤33.01	PASS
Band2	15MHz	QPSK	19125	1RB#0	24.59	26.28	≤33.01	PASS
Band2	15MHz	QPSK	19125	1RB#38	24.15	25.84	≤33.01	PASS
Band2	15MHz	QPSK	19125	1RB#74	24.12	25.81	≤33.01	PASS
Band2	15MHz	QPSK	19125	38RB#0	23.22	24.91	≤33.01	PASS
Band2	15MHz	QPSK	19125	38RB#18	23.34	25.03	≤33.01	PASS
Band2	15MHz	QPSK	19125	38RB#37	23.39	25.08	≤33.01	PASS
Band2	15MHz	QPSK	19125	75RB#0	23.36	25.05	≤33.01	PASS
Band2	20MHz	QPSK	18700	1RB#0	25.51	27.2	≤33.01	PASS
Band2	20MHz	QPSK	18700	1RB#49	26.01	27.7	≤33.01	PASS
Band2	20MHz	QPSK	18700	1RB#99	25.65	27.34	≤33.01	PASS
Band2	20MHz	QPSK	18700	50RB#0	24.53	26.22	≤33.01	PASS
Band2	20MHz	QPSK	18700	50RB#25	23.70	25.39	≤33.01	PASS
Band2	20MHz	QPSK	18700	50RB#50	24.15	25.84	≤33.01	PASS

Band2	20MHz	QPSK	18700	100RB#0	23.74	25.43	≤33.01	PASS
Band2	20MHz	QPSK	18900	1RB#0	24.72	26.41	≤33.01	PASS
Band2	20MHz	QPSK	18900	1RB#49	24.51	26.2	≤33.01	PASS
Band2	20MHz	QPSK	18900	1RB#99	24.38	26.07	≤33.01	PASS
Band2	20MHz	QPSK	18900	50RB#0	23.97	25.66	≤33.01	PASS
Band2	20MHz	QPSK	18900	50RB#25	23.27	24.96	≤33.01	PASS
Band2	20MHz	QPSK	18900	50RB#50	23.10	24.79	≤33.01	PASS
Band2	20MHz	QPSK	18900	100RB#0	23.37	25.06	≤33.01	PASS
Band2	20MHz	QPSK	19100	1RB#0	24.28	25.97	≤33.01	PASS
Band2	20MHz	QPSK	19100	1RB#49	24.47	26.16	≤33.01	PASS
Band2	20MHz	QPSK	19100	1RB#99	24.07	25.76	≤33.01	PASS
Band2	20MHz	QPSK	19100	50RB#0	23.85	25.54	≤33.01	PASS
Band2	20MHz	QPSK	19100	50RB#25	23.43	25.12	≤33.01	PASS
Band2	20MHz	QPSK	19100	50RB#50	22.53	24.22	≤33.01	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.98	24.67	≤33.01	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	16QAM	18607	1RB#0	23.98	25.67	≤33.01	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	24.07	25.76	≤33.01	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	24.06	25.75	≤33.01	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	24.14	25.83	≤33.01	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	24.18	25.87	≤33.01	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	24.21	25.9	≤33.01	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	23.63	25.32	≤33.01	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	23.86	25.55	≤33.01	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	23.97	25.66	≤33.01	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	23.93	25.62	≤33.01	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	23.99	25.68	≤33.01	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	23.98	25.67	≤33.01	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	24.03	25.72	≤33.01	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	23.12	24.81	≤33.01	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	23.20	24.89	≤33.01	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	23.33	25.02	≤33.01	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	23.34	25.03	≤33.01	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	23.33	25.02	≤33.01	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	23.31	25	≤33.01	PASS

Band2	1.4MHz	16QAM	19193	3RB#3	23.34	25.03	≤33. 01	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	22.62	24.31	≤33. 01	PASS
Band2	3MHz	16QAM	18615	1RB#0	24.90	26.59	≤33. 01	PASS
Band2	3MHz	16QAM	18615	1RB#8	24.87	26.56	≤33. 01	PASS
Band2	3MHz	16QAM	18615	1RB#14	24.71	26.4	≤33. 01	PASS
Band2	3MHz	16QAM	18615	8RB#0	24.10	25.79	≤33. 01	PASS
Band2	3MHz	16QAM	18615	8RB#4	24.10	25.79	≤33. 01	PASS
Band2	3MHz	16QAM	18615	8RB#7	24.05	25.74	≤33. 01	PASS
Band2	3MHz	16QAM	18615	15RB#0	24.05	25.74	≤33. 01	PASS
Band2	3MHz	16QAM	18900	1RB#0	24.34	26.03	≤33. 01	PASS
Band2	3MHz	16QAM	18900	1RB#8	24.31	26	≤33. 01	PASS
Band2	3MHz	16QAM	18900	1RB#14	24.09	25.78	≤33. 01	PASS
Band2	3MHz	16QAM	18900	8RB#0	23.53	25.22	≤33. 01	PASS
Band2	3MHz	16QAM	18900	8RB#4	23.54	25.23	≤33. 01	PASS
Band2	3MHz	16QAM	18900	8RB#7	23.51	25.2	≤33. 01	PASS
Band2	3MHz	16QAM	18900	15RB#0	23.45	25.14	≤33. 01	PASS
Band2	3MHz	16QAM	19185	1RB#0	23.13	24.82	≤33. 01	PASS
Band2	3MHz	16QAM	19185	1RB#8	23.35	25.04	≤33. 01	PASS
Band2	3MHz	16QAM	19185	1RB#14	23.40	25.09	≤33. 01	PASS
Band2	3MHz	16QAM	19185	8RB#0	22.57	24.26	≤33. 01	PASS
Band2	3MHz	16QAM	19185	8RB#4	22.58	24.27	≤33. 01	PASS
Band2	3MHz	16QAM	19185	8RB#7	22.76	24.45	≤33. 01	PASS
Band2	3MHz	16QAM	19185	15RB#0	22.56	24.25	≤33. 01	PASS
Band2	5MHz	16QAM	18625	1RB#0	24.95	26.64	≤33. 01	PASS
Band2	5MHz	16QAM	18625	1RB#12	24.81	26.5	≤33. 01	PASS
Band2	5MHz	16QAM	18625	1RB#24	24.61	26.3	≤33. 01	PASS
Band2	5MHz	16QAM	18625	12RB#0	23.98	25.67	≤33. 01	PASS
Band2	5MHz	16QAM	18625	12RB#6	23.97	25.66	≤33. 01	PASS
Band2	5MHz	16QAM	18625	12RB#13	23.79	25.48	≤33. 01	PASS
Band2	5MHz	16QAM	18625	25RB#0	23.87	25.56	≤33. 01	PASS
Band2	5MHz	16QAM	18900	1RB#0	24.62	26.31	≤33. 01	PASS
Band2	5MHz	16QAM	18900	1RB#12	24.52	26.21	≤33. 01	PASS
Band2	5MHz	16QAM	18900	1RB#24	24.29	25.98	≤33. 01	PASS
Band2	5MHz	16QAM	18900	12RB#0	23.61	25.3	≤33. 01	PASS
Band2	5MHz	16QAM	18900	12RB#6	23.61	25.3	≤33. 01	PASS
Band2	5MHz	16QAM	18900	12RB#13	23.43	25.12	≤33. 01	PASS
Band2	5MHz	16QAM	18900	25RB#0	23.52	25.21	≤33. 01	PASS

Band2	5MHz	16QAM	19175	1RB#0	23.24	24.93	≤33.01	PASS
Band2	5MHz	16QAM	19175	1RB#12	23.32	25.01	≤33.01	PASS
Band2	5MHz	16QAM	19175	1RB#24	23.58	25.27	≤33.01	PASS
Band2	5MHz	16QAM	19175	12RB#0	22.35	24.04	≤33.01	PASS
Band2	5MHz	16QAM	19175	12RB#6	22.37	24.06	≤33.01	PASS
Band2	5MHz	16QAM	19175	12RB#13	22.56	24.25	≤33.01	PASS
Band2	5MHz	16QAM	19175	25RB#0	22.43	24.12	≤33.01	PASS

EUT Name	GPS Tracker	Model	GL33CG
Test Date	2025.09.25 to 2025.11.17	Test Mode	LTE Band4
Test Engineer	Stone Zhang	Environmental Conditions	Temp:23.0 ~ 31.8°C;Humi:25 ~ 63%RH

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	24.86	26.55	≤30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	25.75	27.44	≤30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	25.69	27.38	≤30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	25.74	27.43	≤30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	25.72	27.41	≤30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	25.73	27.42	≤30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	24.64	26.33	≤30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	24.89	26.58	≤30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	24.92	26.61	≤30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	24.98	26.67	≤30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	24.87	26.56	≤30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	24.85	26.54	≤30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	24.91	26.6	≤30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	23.84	25.53	≤30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	24.28	25.97	≤30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	24.27	25.96	≤30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	24.28	25.97	≤30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	24.25	25.94	≤30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	24.24	25.93	≤30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	24.23	25.92	≤30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	23.28	24.97	≤30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	25.59	27.28	≤30.00	PASS

Band4	3MHz	QPSK	19965	1RB#8	25.65	27.34	≤30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	25.47	27.16	≤30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	24.60	26.29	≤30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	24.61	26.3	≤30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	24.54	26.23	≤30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	24.60	26.29	≤30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	24.78	26.47	≤30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	24.94	26.63	≤30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	25.00	26.69	≤30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	23.89	25.58	≤30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	23.88	25.57	≤30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	24.04	25.73	≤30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	23.93	25.62	≤30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	24.24	25.93	≤30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	24.29	25.98	≤30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	24.29	25.98	≤30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	23.32	25.01	≤30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	23.33	25.02	≤30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	23.37	25.06	≤30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	23.31	25	≤30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	25.69	27.38	≤30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	25.55	27.24	≤30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	25.33	27.02	≤30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	24.46	26.15	≤30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	24.47	26.16	≤30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	24.38	26.07	≤30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	24.38	26.07	≤30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	24.78	26.47	≤30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	24.96	26.65	≤30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	25.26	26.95	≤30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	23.76	25.45	≤30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	23.76	25.45	≤30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	24.06	25.75	≤30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	23.90	25.59	≤30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	24.49	26.18	≤30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	24.29	25.98	≤30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	24.43	26.12	≤30.00	PASS

Band4	5MHz	QPSK	20375	12RB#0	23.21	24.9	≤30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	23.22	24.91	≤30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	23.26	24.95	≤30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	23.24	24.93	≤30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	25.68	27.37	≤30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	25.16	26.85	≤30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	24.86	26.55	≤30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	24.09	25.78	≤30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	24.11	25.8	≤30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	23.82	25.51	≤30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	23.98	25.67	≤30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	24.61	26.3	≤30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	24.79	26.48	≤30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	25.40	27.09	≤30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	23.55	25.24	≤30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	23.55	25.24	≤30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	24.01	25.7	≤30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	23.66	25.35	≤30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	25.18	26.87	≤30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	24.32	26.01	≤30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	24.36	26.05	≤30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	23.54	25.23	≤30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	23.57	25.26	≤30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	23.11	24.8	≤30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	23.26	24.95	≤30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	25.62	27.31	≤30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	25.03	26.72	≤30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	24.54	26.23	≤30.00	PASS
Band4	15MHz	QPSK	20025	38RB#0	23.91	25.6	≤30.00	PASS
Band4	15MHz	QPSK	20025	38RB#18	23.91	25.6	≤30.00	PASS
Band4	15MHz	QPSK	20025	38RB#37	23.91	25.6	≤30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	23.91	25.6	≤30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	24.58	26.27	≤30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	24.91	26.6	≤30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	25.63	27.32	≤30.00	PASS
Band4	15MHz	QPSK	20175	38RB#0	23.80	25.49	≤30.00	PASS
Band4	15MHz	QPSK	20175	38RB#18	23.81	25.5	≤30.00	PASS