

RF Test Report

Report Number: 208745-6 **Revision Level:** 1

Client: Trackonomy Systems, Inc.
214 Devcon Dr. San Jose, CA 95112

Equipment Under Test: Multi-Functional IoT Platform Sensor Gateway

Model: GBP-3001

FCC ID: 2AXA8-GBP-3001

Applicable Standards: FCC Part 22

FCC Part 24

FCC Part 27

Report issued on: June 26, 2024

Test Result: Compliant



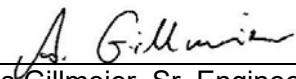
FOR THE SCOPE OF ACCREDITATION UNDER CERTIFICATE NUMBER: 1935.01

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1 Summary of Test Results

Test Description	Test Specification	Test Result
Transmitter Conducted Output Power (E.R.P. / E.I.R.P.)	Part 2.1046, Part 22.913(a)(5) Part 2.1046, Part 24.232(c) Part 2.1046, Part 27.50(b)(10), (c)(10), (d)(4)	Compliant
Radiated Spurious Emissions	Part 15.205(a) Part 2.1053 Part 22.917(a)	Compliant
Radiated Spurious Emissions	Part 15.205(a) Part 2.1053 Part 24.238(a)	Compliant
Radiated Spurious Emissions	Part 15.205(a) Part 27.53(g) Part 27.53(h)(1) Part 27.53(f) Part 27.53(m)(4) Part 2.1053	Compliant

(1) The device used a pre-certified cell module, but different antenna. Output power spot check verified on the worst-case scenario and reported in this report. The Radiated Spurious Emissions performed on worst-case of each band.

1.1 Modifications Required for Compliance

Description of Modification	Modified By	Date of Modification
None	-	-

2 General Information

2.1 Client Information

Company Name: Trackonomy Systems, Inc.
Address: 214 Devcon Dr.
City, State, Zip, Country: San Jose, CA 95132

2.2 Test Laboratory

Name: SGS North America, Inc.
Address: 12310 World Trade Drive, Suite 106/107
City, State, Zip, Country: San Diego, CA 92128
Accrediting Body: A2LA
Type of lab: Testing Laboratory
Certificate Number: 1935.01
Designation ID: US1346
CAB ID: US0236

2.3 General Information of EUT

Equipment Under Test: Multifunctional IoT Platform Sensor Device
Model: GBP-3001
Serial Numbers: 20121 and 21421 (Radiated sample x 2)
20121 (Conducted sample x 1)
FCC ID: 2AXA8-GBP-3001

Frequency Band Range:

Technology	Band	Range
LTE	2	1850 MHz – 1910 MHz
	4	1710 MHz – 1755 MHz
	5	824 MHz – 849 MHz
	12	699 MHz – 716 MHz
	13	777 MHz – 787 MHz
	66	1710 MHz – 1780 MHz
	71	663 MHz – 698 MHz
WCDMA	II	1850 MHz – 1910 MHz
	IV	1710 MHz – 1755 MHz
	V	824 MHz – 849 MHz

Data Modes: QPSK as worst case
Antenna Manufacturer: 2J-antennas
Antenna Model: 2J6C86BCFc
Antenna Gain*: 4G LTE/3G WCDMA: 2.5dBi (617-960MHz)
4G LTE/3G WCDMA: 5.0dBi (1427-2690MHz)
Rated Voltage: 12V_{DC}
Test Voltage: 12V_{DC} (via external power source for Radiated Measurements)
Sample Received Date: March 30, 2024
Dates of testing: April 11 – June 18, 2024

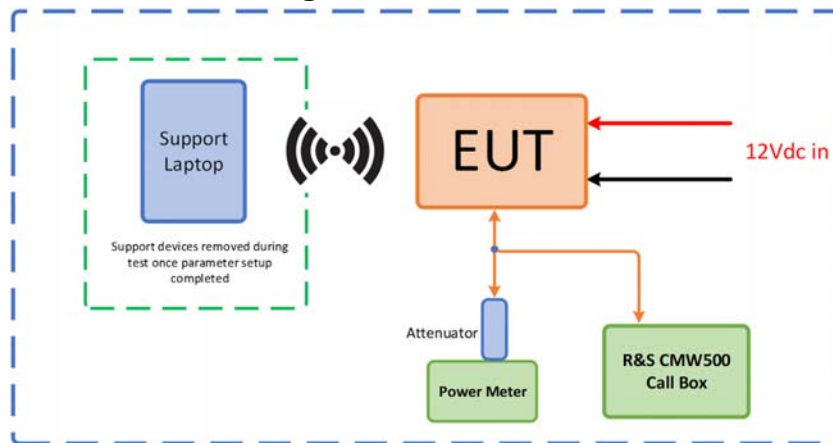
*Data was not measured by SGS laboratory and therefore SGS is not responsible for accuracy. Data obtained via customer, specification sheet, previous filing or other.

2.4 Operating Modes and Conditions

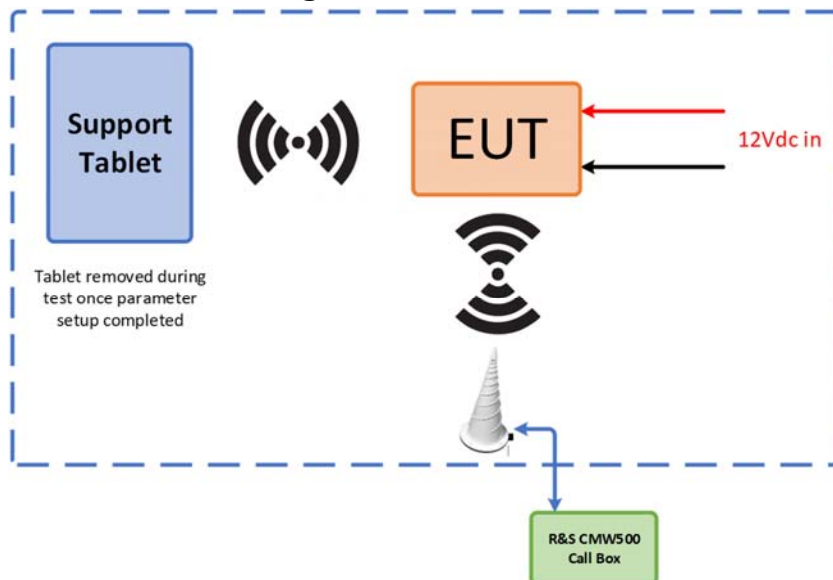
The EUT was running test mode via a support tablet which allowed the following:

- 1) Selecting the communication mode and power level as used in normal operation, but with >98% duty cycle;
- 2) Selecting the channels, modulation, bandwidth and RB sizes via R&S call box
- 3) The maximum power setting of 4 was used for all tests.

2.5 EUT Connection Block Diagram – Conducted Measurements



2.6 EUT Connection Block Diagram – Radiated Measurements

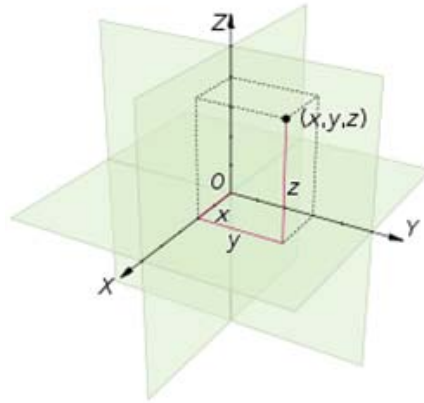


2.7 System Configurations

Manufacturer	Description	Model Number
Samsung	To set parameter on the EUT	SM-T387T

2.8 Worst-case Configuration

Based on the physical of the EUT usage and installation, EUT was evaluated X only orientation. For radiated measurements verification performed using "X" configuration.



3 Transmitter Conducted Output Power

3.1 Test Method

The conducted power measurement was made in accordance to FCC Part 2 Clause 2.1046.

FCC 47 CFR Part 2.1046:

(a) For transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in § 2.1033(c)(8). The electrical characteristics of the radio frequency load attached to the output terminals when this test is made shall be stated.

(c) For measurements conducted pursuant to paragraphs (a) and (b) of this section, all calculations and methods used by the applicant for determining carrier power or peak envelope power, as appropriate, on the basis of measured power in the radio frequency load attached to the transmitter output terminals shall be shown. Under the test conditions specified, no components of the emission spectrum shall exceed the limits specified in the applicable rule parts as necessary for meeting occupied bandwidth or emission limitations.

The maximum Effective Isotropic Radiated Power (EIRP) is calculated by adding the declared maximum antenna gain (dBi)

$$\text{EIRP} = \text{Conducted Power(dBm)} + \text{Antenna Gain(dBi)}$$

The maximum Effective Radiated Power (ERP) is calculated from the maximum Effective Isotropic Radiated Power (EIRP) by subtracting 2.15dB

$$\text{ERP} = \text{EIRP} - 2.15\text{dB}$$

3.2 Test Limit

Technology	Limit (dBm)
LTE Band 2	33
LTE Band 4	30
LTE Band 5	38.45
LTE Band 12	34.77
LTE Band 13	34.77
LTE Band 66	30
LTE Band 71	34.77
WCDMA Band 2	33
WCDMA Band 4	30
WCDMA Band 5	38.45

3.3 Test date and test engineer(s)

June 18, 2024

3.4 Test Site

SGS EMC Laboratory, San Diego, CA

Environmental Conditions

Temperature: 17 °C

Relative Humidity: 64 %

Atmospheric Pressure: 101.7 kPa

3.5 Additional Observation

Per customer's declaration no changes had been made of the cellular power setting. The Conducted Power is referenced from the original module reports. All modes of operation were verified and the worst-case configuration results are in this section of the report

3.6 Test Equipment

Asset	Manufacturer	Equipment	Model	Serial No.	Cal Date	Cal Due Date
2013	Keysight	Single Channel PK Power Meter	N1911A	MY62310007	01/29/2024	01/29/2025
2015	Keysight	Wideband Power Sensor	N1921A	MY62220017	01/29/2024	01/29/2025
1177	Wideband Radio Communication Tester	CMW500	1201.0002K50-135388-Em	Rhode&Schwarz	11/10/2021	08/10/2024
2018	Shenzhen Sky Toppower Tech.	DC Power Supply	STP3020	N/A	N.C.R.	
-	Mini-Circuits	Power Splitter	ZAPD-2-272-S+	S F849901420	Verified	
-	Weinschel	20dB attenuator	3M-20	116459	Verified	
-	ENS Microwave, LLC	RF cable	S190-320-MNS-MNS	-	Verified	

3.7 Test results

Technology	Band	Mode	Bandwidth (MHz)	RB Size/offset	Frequency (MHz)	Max Power (dBm)	Antenna (dBi)	ERP (dBm)	EIRP (dBm)	Limit (dBm)
LTE	2	QPSK	10	1/25	1880	23.85	5.0		28.85	33
	4		3	1/14	1753.5	23.72	5.0		28.72	30
	5		10	1/24	836.5	23.61	2.5	23.96	26.11	38.45
	12		3	1/14	714.5	23.74	2.5	24.09	26.24	34.77
	13		10	1/25	782	23.85	2.5	24.2	26.35	34.77
	66		10	1/25	1745	23.82	5.0		28.82	30
	71		10	1/25	668	23.47	2.5	23.82	25.97	34.77
WCDMA	2	RMC			1852.4	23.17	5.0		28.17	33
	4				1712.4	23.39	5.0		28.39	30
	5				826.4	23.01	2.5	23.36	25.51	38.45

4 Radiated Spurious Emissions

4.1 Test Method

Out of band emissions.

Standards	Band
Part 2.1053, Part 22.917(a)	LTE Band 5, WCDMA Band V
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.	

Standards	Band
Part 2.1053, Part 24.238(a)	LTE Band 2, WCDMA Band II
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.	

Standards	Band
Part 2.1053, Part 27.53(m)(4)	LTE Band 4, 12 and WCDMA IV
For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.	

Standards	Band
Part 2.1053, Part 27.53(f)	LTE Band 13
For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.	

Standards	Band
Part 2.1053, Part 27.53(h)(1)	LTE Band 66
General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.	

Standards	Band
Part 2.1053, Part 27.53(g)	LTE Band 71
For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.	

Radiated emissions test defined in ANSI C63.26 clause 5.5 test method was considered. However, radiated emissions in restricted frequency bands were used and defined in ANSI C63.10 clause 11.12 as worst-case limits

Test distances for radiated tests:

- Test was performed from 9kHz to 40GHz with EUT to measurement antenna distance was 3 meters.
- The low frequency band started from 9kHz to 30MHz was pre-scanned and the results was 20dB lower than the limit per 15.31(o); therefore, no data was presented in this test report.
- The high frequency band beyond 18GHz was pre-scanned and the results was 20dB lower than the limit; therefore, no data was presented in this test report.

Limits within restricted bands of operation:

Frequency	Limits ⁽¹⁾		Peak Limits dBuV/m
	Microvolts/m	dBuV/m	
30 - 88 MHz	100	40 ⁽²⁾	--
88 - 216 MHz	150	43.5 ⁽²⁾	--
216 - 960 MHz	200	46 ⁽²⁾	--
960 - 1000 MHz	500	54 ⁽²⁾	--
1 - 40 GHz	500	54 ⁽³⁾	74

(1) These limits are applicable to emissions outside of the intentional transmit frequency band.

(2) Quasi-peak limit

(3) Average limit

4.2 Test date and test engineer(s)

April 11 – June 03, 2024 / AC, AG and EZ

4.3 Test Site

SGS EMC Laboratory, San Diego, CA

Environmental Conditions

Temperature: 17 °C

Relative Humidity: 64 %

Atmospheric Pressure: 101.7 kPa

4.4 Test Equipment

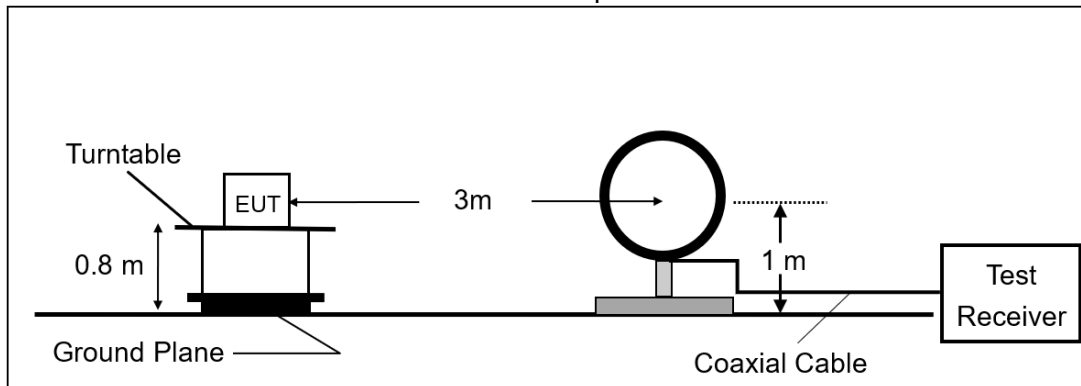
Asset	Manufacturer	Equipment	Model	Serial No.	Cal Date	Cal Due Date
2034	ETS Lindgren	Biconilog Antenna 26M-6000MHz	3142E	00243882	06/29/2023	06/29/2025
2017	Keysight	EMI Receiver	N9038B	MY59050132	10/24/2023	10/24/2024
2029	ETS Lindgren	Loop Antenna, H-Field	6512	00249642	08/31/2022	08/31/2024
2032	ETS Lindgren	DRG Horn Antenna 10G-40GHz	3116C	00251668	06/16/2022	07/16/2024*
1177	Wideband Radio Communication Tester	CMW500	1201.0002K50- 135388-Em	Rhode&Schwarz	11/10/2021	08/10/2024
-	ENS Microwave, LLC	RF cable	S190-320-MNS- MNS	-	Verified	
-	Micro-Tronics	2.97GHz High pass filter	HPM16182	G015	Verified	
-	Micro-Tronics	1GHz High pass filter	HPM17669	G006	Verified	
-	Micro-Tronics	6GHz High pass filter	HPM50112	G086	Verified	
2026	RF-Lambda	RF Microwave Systems Amplifier	RAMP00M45GA	00089204010	06/01/2023	07/01/2024*
2033	ETS Lindgren	DRG Horn Antenna 1G-18GHz	3117	00251986	07/27/2022	07/27/2024
2018	Shenzhen Sky Toppower Tech.	DC Power Supply	STP3020	N/A	N.C.R.	
-	ETS Lindgren	Test Software	TILE!	V.7.8.1.7	N/A	

* Note: calibration extended 1 month and equipment verified prior to performed test.

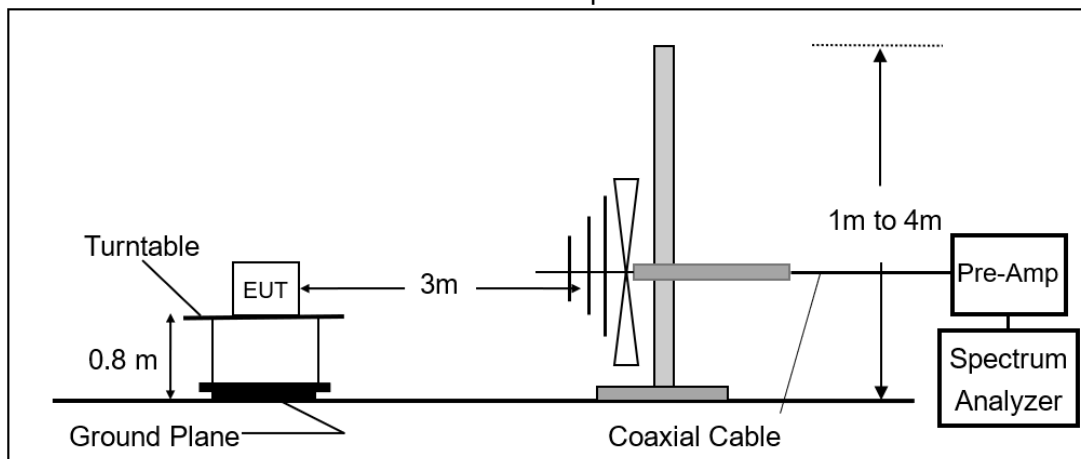
4.5 Test Setup

Refer to Section 2.6 in this test report of EUT setup.

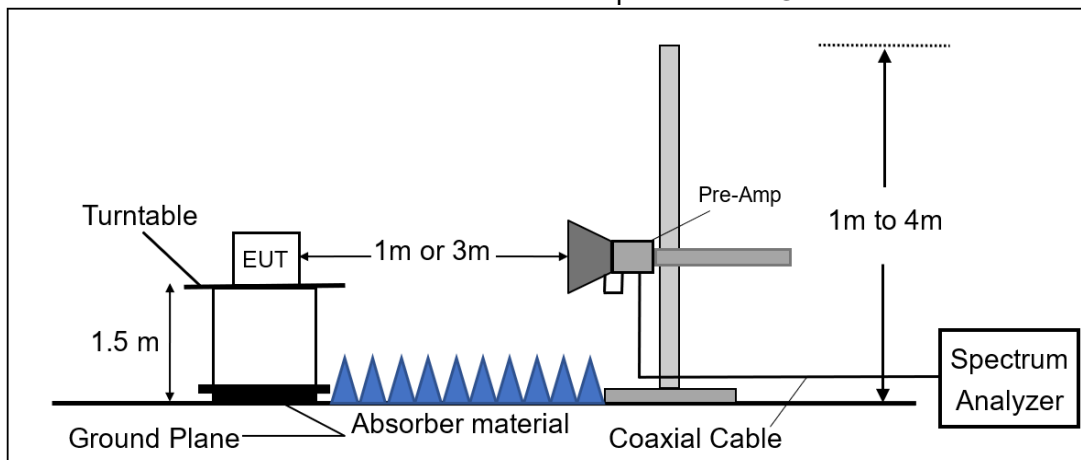
Radiated emission test setup for 9kHz to 30MHz



Radiated emission test setup for 30MHz to 1GHz



Radiated emission test setup for above 1GHz



4.6 Field Strength Calculation

The total correction factor is calculated by adding the Antenna Factor, Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any).

The basic equation with a sample calculation as follows:

$$TC = AF + CL - AG$$

Where TC = Total Correction CL = Cable Loss
 AG = Amplifier Gain
 AF = Antenna Factor

The Final reading had been calculated internally by the test software by adding the Measurement Reading from the receiver and Total Correction factor.

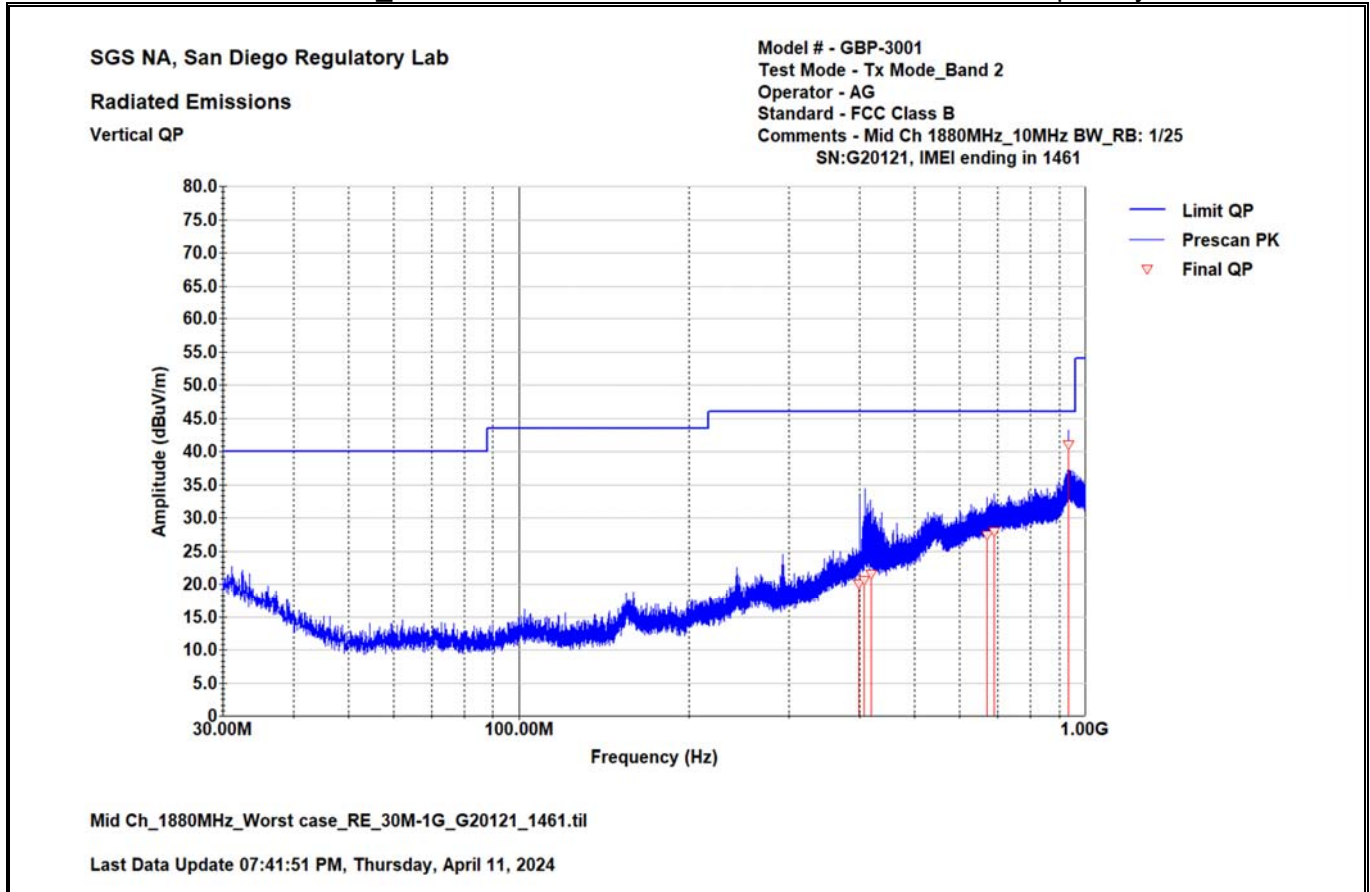
The basic equation with a sample calculation as follows:

$$Final = MR + TC$$

Where TC = Total Correction MR = Measurement Reading

4.7 Test Data

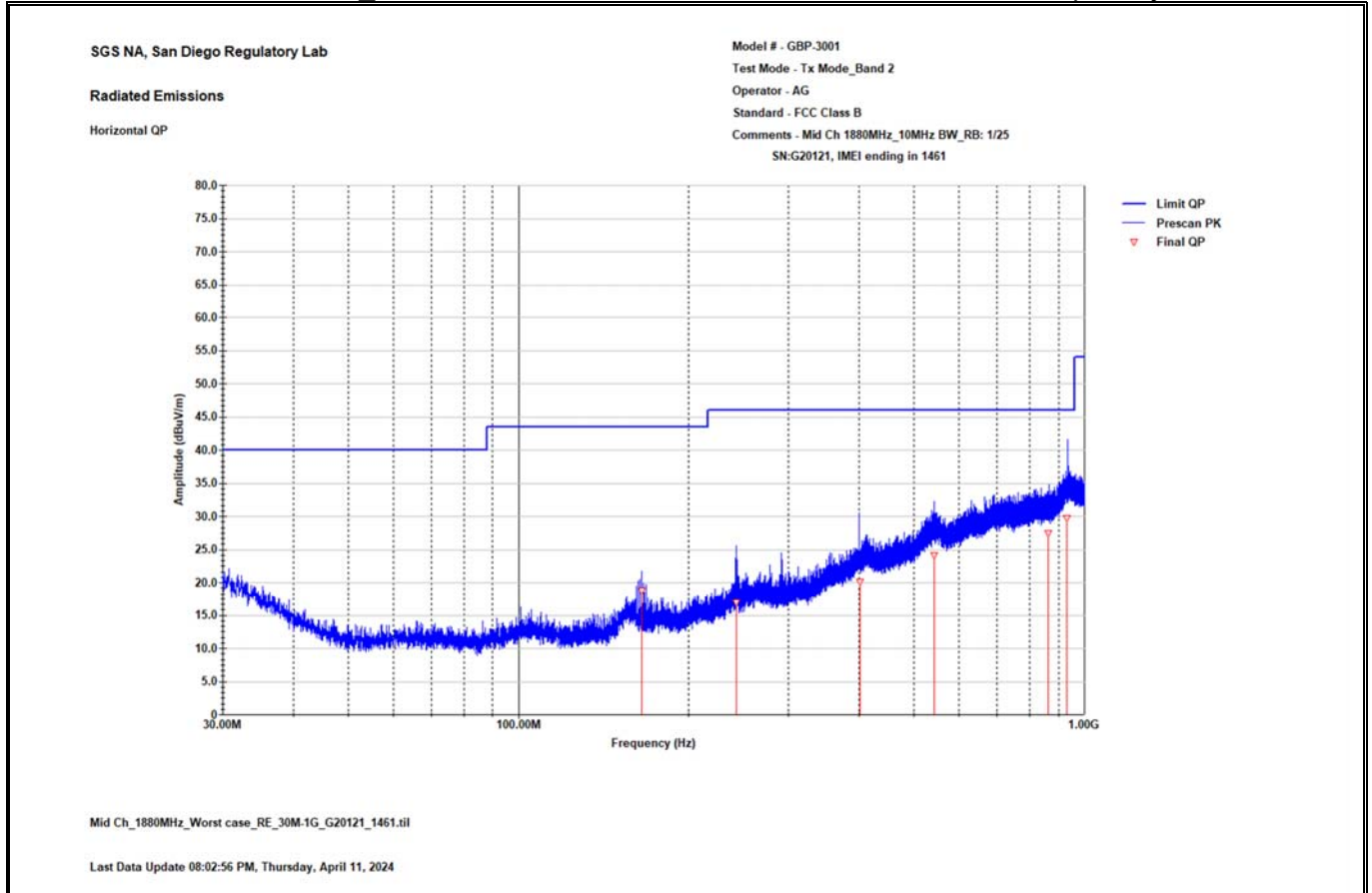
LTE Band 2_30MHz to 1GHz Worst-Case Mid Channel – Vertical polarity



Quasi-Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
398.492	20.16	24.02	-25.84	46	137.9	268.7
407.698	20.67	24.61	-25.33	46	209.7	380
418.568	21.57	24.52	-24.43	46	100	288.5
672.229	27.44	29.64	-18.56	46	400	68.1
689.635	27.98	30.52	-18.02	46	177.8	198.8
933.374	41.06	34.14	-4.94	46	113.7	188

LTE Band 2_30MHz to 1GHz Worst-Case Mid Channel – Horizontal polarity



Quasi-Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
164.924	18.78	15.14	-24.75	43.53	100	75
242.388	16.96	18.16	-29.04	46	100	25
400.616	20.12	24.15	-25.88	46	106	25
541.963	24.09	28.62	-21.91	46	225	162
862.954	27.43	31.39	-18.57	46	400	262
930.164	29.73	34.04	-16.27	46	210	76

LTE Band 2_1GHz to 18GHz Low Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

Model # - GBP-3001

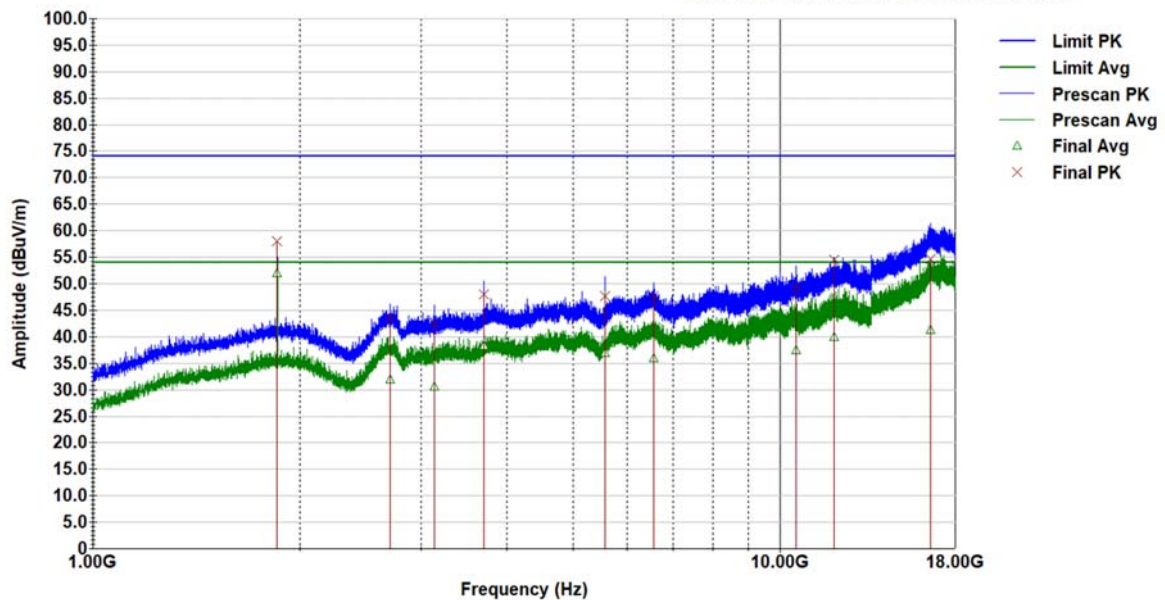
Test Mode - Tx Mode_Band 2

Operator - Alex C

Standard - FCC Part 24/RSS-133

Comments - Low Ch 1855MHz_10MHz BW_RB: 1/25

S/N: G21421, IMEI: ...1461, WiFi cable re-route



Low Ch_1855MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.til

Last Data Update 01:56:33 PM, Friday, April 12, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1855.1	57.99			Note		
2706.375	43.86	1.15	-30.14	74	261	297
3135.625	42.7	2.15	-31.3	74	299	346
3709.8	47.94	3.22	-26.06	74	150	178
5565.35	47.65	8.18	-26.35	74	279	264
6549.225	47.63	11.1	-26.37	74	281	98
10560.37	49.43	20.59	-24.57	74	387	171
11984.55	54.54	25.19	-19.46	74	311	80
16589	54.59	33.49	-19.41	74	186	92

Note: Fundamental frequency not part of spurious emission limits. Data provided for information purpose only.

Average Data

Freq. (MHz)	Final QP (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
1855.1	52.06	Note				
2706.375	32.02	1.15	-21.98	54	261	297
3135.625	30.74	2.15	-23.26	54	299	346
3709.8	38.28	3.22	-15.72	54	150	178
5565.35	36.95	8.18	-17.05	54	279	264
6549.225	35.95	11.1	-18.05	54	281	98
10560.37	37.48	20.59	-16.52	54	387	171
11984.55	40.01	25.19	-13.99	54	311	80
16589	41.4	33.49	-12.6	54	186	92

Note: Fundamental frequency not part of spurious emission limits. Data provided for information purpose only.

LTE Band 2_1GHz to 18GHz Low Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

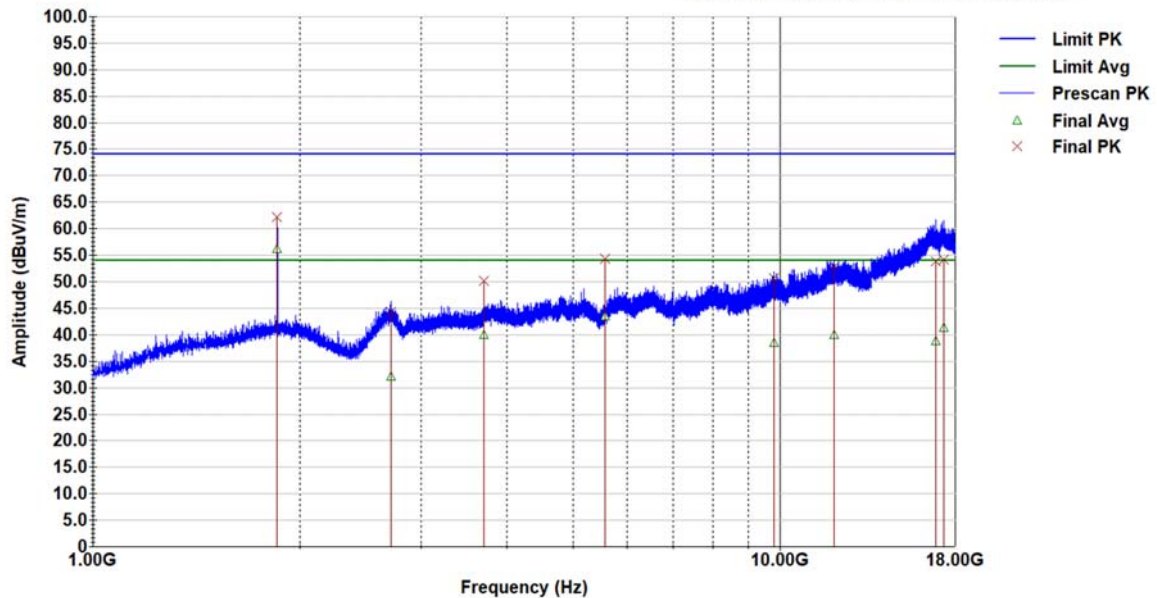
Test Mode - Tx Mode_Band 2

Operator - Alex C

Standard - FCC Part 24/RSS-133

Comments - Low Ch 1855MHz_10MHz BW_RB: 1/25

S/N: G21421, IMEI: ...1461, WiFi cable re-route



Low Ch_1855MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.til

Last Data Update 02:15:57 PM, Friday, April 12, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1855.1	62.19			Note		
2715.725	44.29	1.2	-29.71	74	244	305
3710.225	50.21	3.22	-23.79	74	163	129
5565.35	54.38	8.18	-19.62	74	150	179
9789.425	50.65	19.18	-23.35	74	271	242
11987.52	52.87	25.19	-21.13	74	354	218
16870.77	53.8	33.47	-20.2	74	163	15
17327.64	54.2	32.44	-19.8	74	209	-17

Note: Fundamental frequency not part of spurious emission limits. Data provided for information purpose only.

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1855.1	56.18	Note				
2715.725	32.11	1.2	-21.89	54	244	305
3710.225	40.06	3.22	-13.94	54	163	129
5565.35	43.46	8.18	-10.54	54	150	179
9789.425	38.46	19.18	-15.54	54	271	242
11987.52	39.97	25.19	-14.03	54	354	218
16870.77	38.75	33.47	-15.25	54	163	15
17327.64	41.37	32.44	-12.63	54	209	-17

Note: Fundamental uplink frequency, not subject to this test limit. Data provided only for information purpose.

LTE Band 2_1GHz to 18GHz Mid Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

Model # - GBP-3001

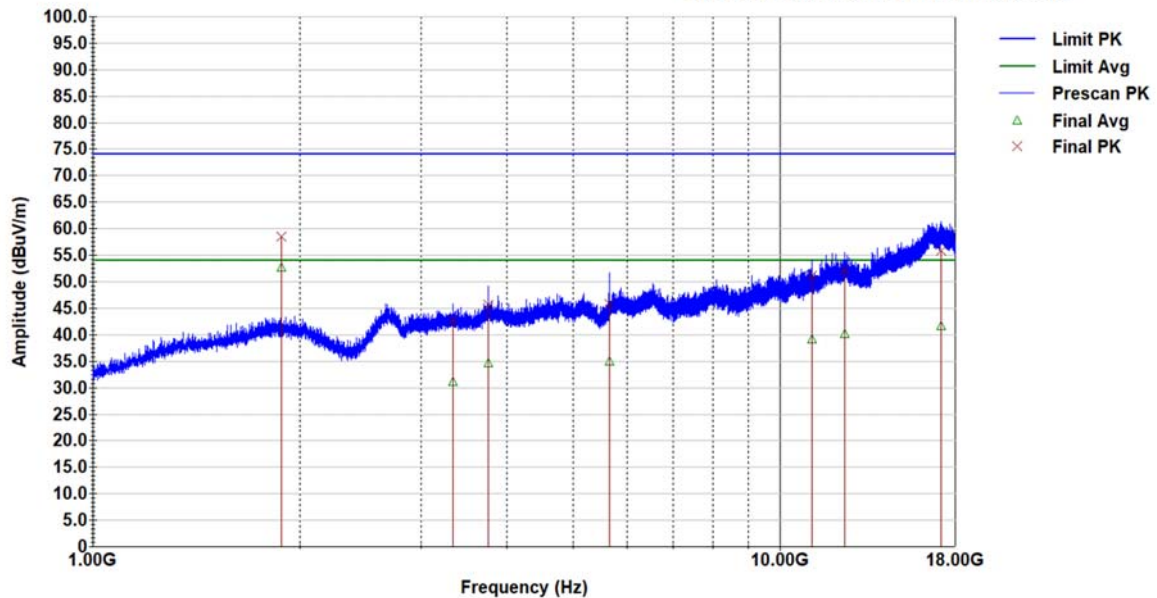
Test Mode - Tx Mode_Band 2

Operator - Alex C

Standard - FCC Part 24/RSS-133

Comments - Mid Ch 1880MHz_10MHz BW_RB: 1/25

S/N: G21421, IMEI: ...1461, WiFi cable re-route



Mid Ch_1880MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.til

Last Data Update 02:54:17 PM, Friday, April 12, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1880.175	58.41	Note				
3343.025	42.77	2.49	-31.23	74	392	364
3759.95	45.71	3.55	-28.29	74	150	170
5640.575	45.78	8.8	-28.22	74	318	250
11138.37	51.1	22.66	-22.9	74	288	164
12423.57	52.39	25.95	-21.61	74	327	-20
17190.38	55.83	32.8	-18.17	74	350	323

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1880.175	52.59	Note				
3343.025	31.25	2.49	-22.75	54	392	364
3759.95	34.72	3.55	-19.28	54	150	170
5640.575	35.03	8.8	-18.97	54	318	250
11138.37	39.12	22.66	-14.88	54	288	164
12423.57	40.1	25.95	-13.9	54	327	-20
17190.38	41.64	32.8	-12.36	54	350	323

Note: Fundamental frequency not part of spurious emission limits. Data provided for information purpose only.

LTE Band 2_1GHz to 18GHz Mid Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

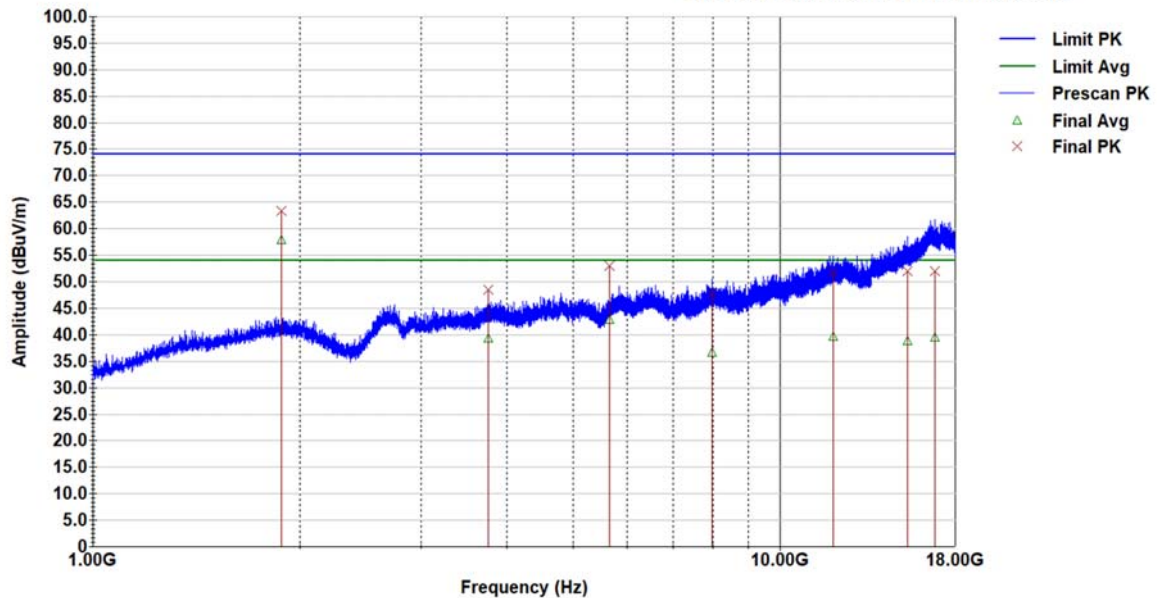
Test Mode - Tx Mode_Band 2

Operator - Alex C

Standard - FCC Part 24/RSS-133

Comments - Mid Ch 1880MHz_10MHz BW_RB: 1/25

S/N: G21421, IMEI: ...1461, WiFi cable re-route



Mid Ch_1880MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.til

Last Data Update 03:10:29 PM, Friday, April 12, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1880.175	63.37	Note				
3759.95	48.46	3.55	-25.54	74	210	113
5640.575	52.95	8.8	-21.05	74	163	187
7961.925	47.8	14.84	-26.2	74	263	169
11957.35	51.74	25.16	-22.26	74	379	365
15321.23	52.07	29.21	-21.93	74	209	113
16815.52	51.96	33.53	-22.04	74	332	339

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1880.175	57.75	Note				
3759.95	39.34	3.55	-14.66	54	210	113
5640.575	42.87	8.8	-11.13	54	163	187
7961.925	36.67	14.84	-17.33	54	263	169
11957.35	39.72	25.16	-14.28	54	379	365
15321.23	38.9	29.21	-15.1	54	209	113
16815.52	39.43	33.53	-14.57	54	332	339

Note: Fundamental frequency not part of spurious emission limits. Data provided for information purpose only

LTE Band 2_1GHz to 18GHz High Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

Model # - GBP-3001

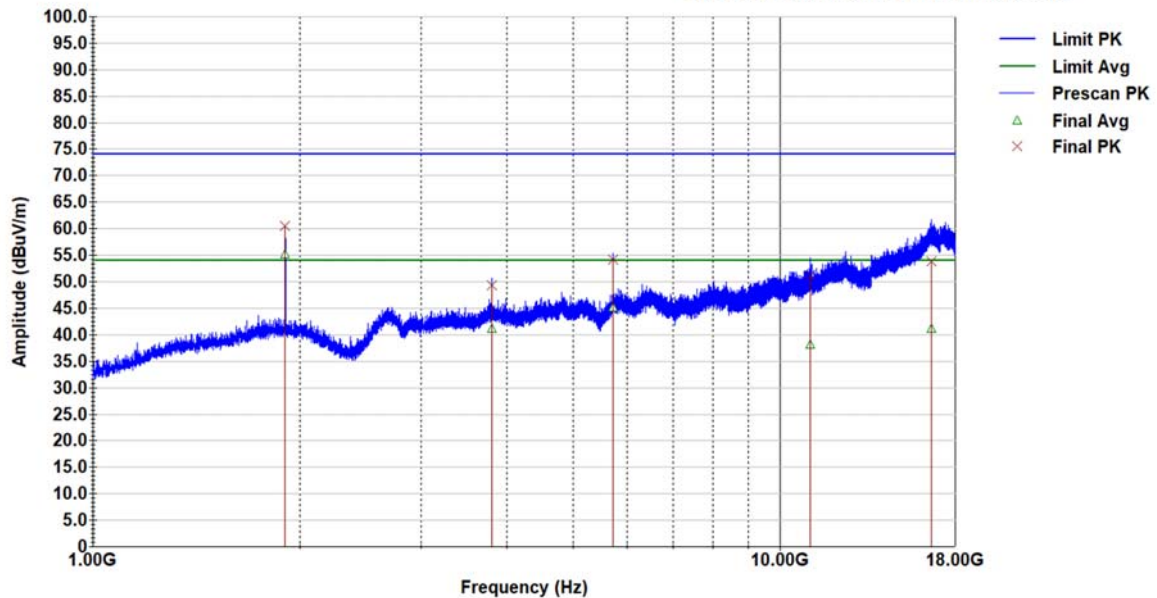
Test Mode - Tx Mode_Band 2

Operator - Alex C

Standard - FCC Part 24/RSS-133

Comments - High Ch 1905MHz_10MHz BW_RB: 1/25

S/N: G21421, IMEI: ...1461, WiFi cable re-route



High Ch_1905MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.til

Last Data Update 03:35:23 PM, Friday, April 12, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1904.825	60.48	Note				
3810.525	49.4	3.69	-24.6	74	380	73
5715.375	54.18	9.15	-19.82	74	400	84
11075.48	51.19	22.36	-22.81	74	249	197
16616.2	53.84	33.6	-20.16	74	359	55

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1904.825	55.22	Note				
3810.525	41.17	3.69	-12.83	54	380	73
5715.375	45.21	9.15	-8.79	54	400	84
11075.48	38.11	22.36	-15.89	54	249	197
16616.2	41.21	33.6	-12.79	54	359	55

Note: Fundamental frequency not part of spurious emission limits. Data provided for information purpose only.

LTE Band 2 1GHz to 18GHz High Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

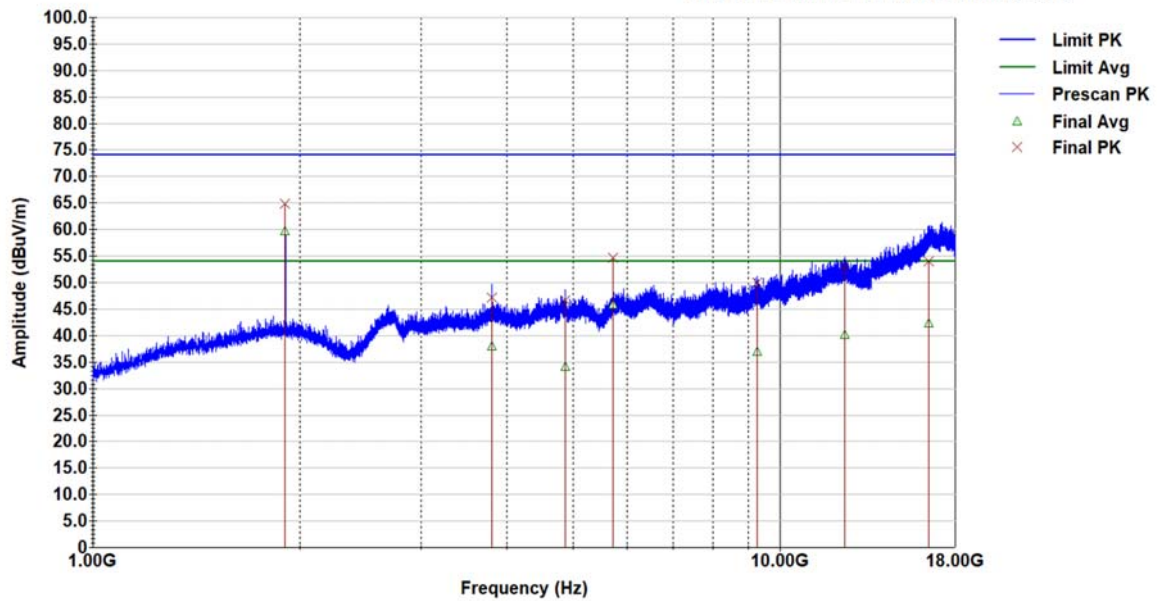
Test Mode - Tx Mode_Band 2

Operator - Alex C

Standard - FCC Part 24/RSS-133

Comments - High Ch 1905MHz_10MHz BW_RB: 1/25

S/N: G21421, IMEI: ...1461, WiFi cable re-route



High Ch_1905MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.til

Last Data Update 03:54:46 PM, Friday, April 12, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1905.25	64.78	Note				
3809.675	47.18	3.69	-26.82	74	251	113
4866.65	46.67	6.85	-27.33	74	150	306
5715.375	54.69	9.15	-19.31	74	178	188
9262.425	50.07	17.85	-23.93	74	202	43
12429.52	53.22	25.96	-20.78	74	317	109
16472.98	54.07	32.98	-19.93	74	171	139

Note: Fundamental frequency not part of spurious emission limits. Data provided for information purpose only

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1905.25	59.71	Note				
3809.675	37.99	3.69	-16.01	54	251	113
4866.65	34.16	6.85	-19.84	54	150	306
5715.375	45.8	9.15	-8.2	54	178	188
9262.425	37.03	17.85	-16.97	54	202	43
12429.52	40.17	25.96	-13.83	54	317	109
16472.98	42.4	32.98	-11.6	54	171	139

Note: Fundamental frequency not part of spurious emission limits. Data provided for information purpose only.

LTE Band 4_30MHz to 1GHz Worst-Case High Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical QP

Model # - FBO-2005

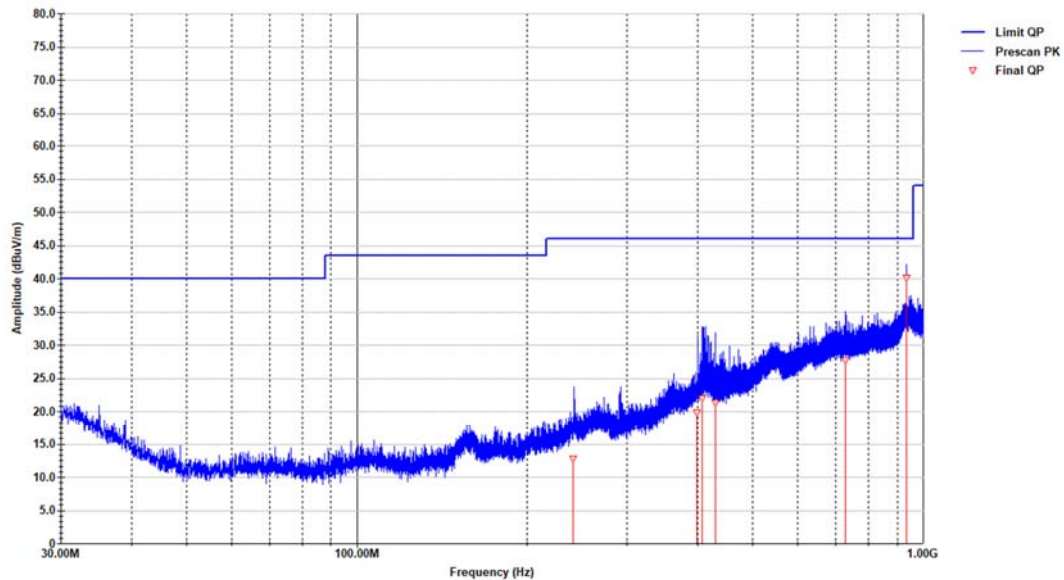
Test Mode - Tx Mode_Band 4

Operator - AG

Standard - FCC Class B

Comments - High Ch 1753.5MHz_13MHz BW_RB: 1/14

SN:G20121, IMEI ending in 1461



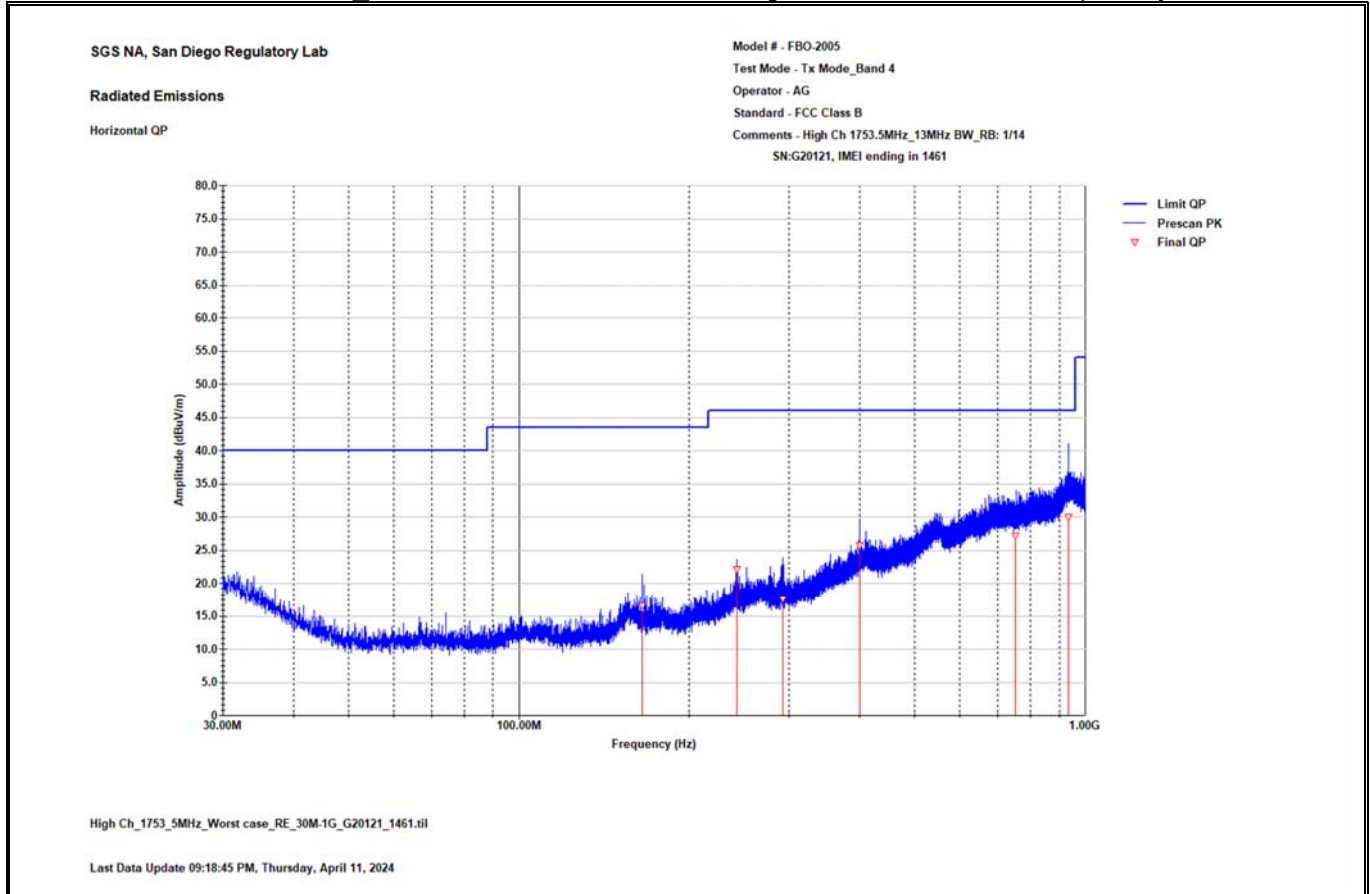
High Ch_1753_5MHz_Worst case_RE_30M-1G_G20121_1461.ttl

Last Data Update 08:50:49 PM, Thursday, April 11, 2024

Quasi-Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
240.577	12.76	18.17	-33.24	46	321.6	130
398.336	19.91	24.02	-26.09	46	337.8	168.6
406.471	21.96	24.54	-24.04	46	100.3	293.3
430.014	21.39	23.95	-24.61	46	122.1	249
727.467	27.74	30.59	-18.26	46	338.3	338.3
933.404	40.11	34.14	-5.89	46	169.1	117.9

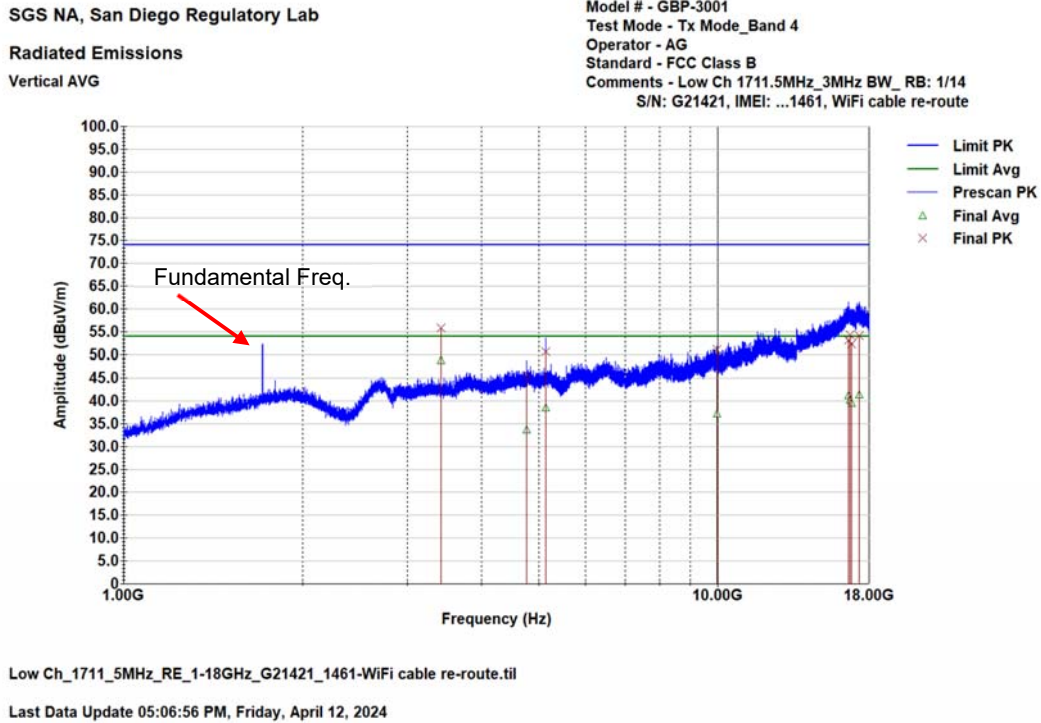
LTE Band 4 30MHz to 1GHz Worst-Case High Channel – Horizontal polarity



Quasi-Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
164.919	16.56	15.14	-26.97	43.53	100	63
242.544	22.19	18.16	-23.81	46	145	25
292.182	17.52	18.79	-28.48	46	153	277
400.016	25.78	24.11	-20.22	46	217	155
752.404	27.26	30.31	-18.74	46	161	300
933.86	29.94	34.16	-16.06	46	319	190

LTE Band 4_1GHz to 18GHz Low Channel – Vertical polarity



Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3425.475	55.86	2.65	-18.14	74	228	250
4775.7	45.63	6.26	-28.37	74	294	209
5138.65	50.64	7.12	-23.36	74	225	126
9988.325	51.12	19.61	-22.88	74	335	126
16627.68	53.18	33.63	-20.82	74	364	313
16729.25	54.34	33.59	-19.66	74	326	106
16815.95	52.27	33.53	-21.73	74	171	-10
17313.62	54.17	32.48	-19.83	74	287	263

Note: Fundamental frequency high peak shown in the plot not part of spurious emission limits. Data provided for information purpose only

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3425.475	48.86	2.65	-5.14	54	228	250
4775.7	33.63	6.26	-20.37	54	294	209
5138.65	38.49	7.12	-15.51	54	225	126
9988.325	37.2	19.61	-16.8	54	335	126
16627.68	41.13	33.63	-12.87	54	364	313
16729.25	40.13	33.59	-13.87	54	326	106
16815.95	39.51	33.53	-14.49	54	171	-10
17313.62	41.38	32.48	-12.62	54	287	263

LTE Band 4_1GHz to 18GHz Low Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

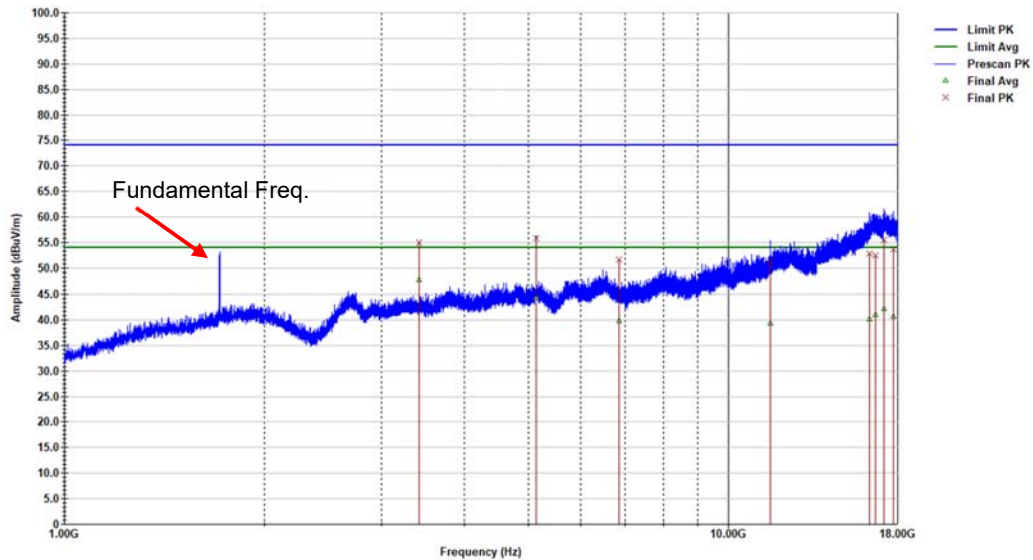
Test Mode - Tx Mode_Band 4

Operator - AG

Standard - FCC Class B

Comments - Low Ch 1711.5MHz_3MHz BW_RB: 1/14

S/N: G21421, IMEI: ...1461, WiFi cable re-route



Low Ch_1711_5MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.ttl

Last Data Update 08:04:57 PM, Thursday, May 30, 2024

Peak Data

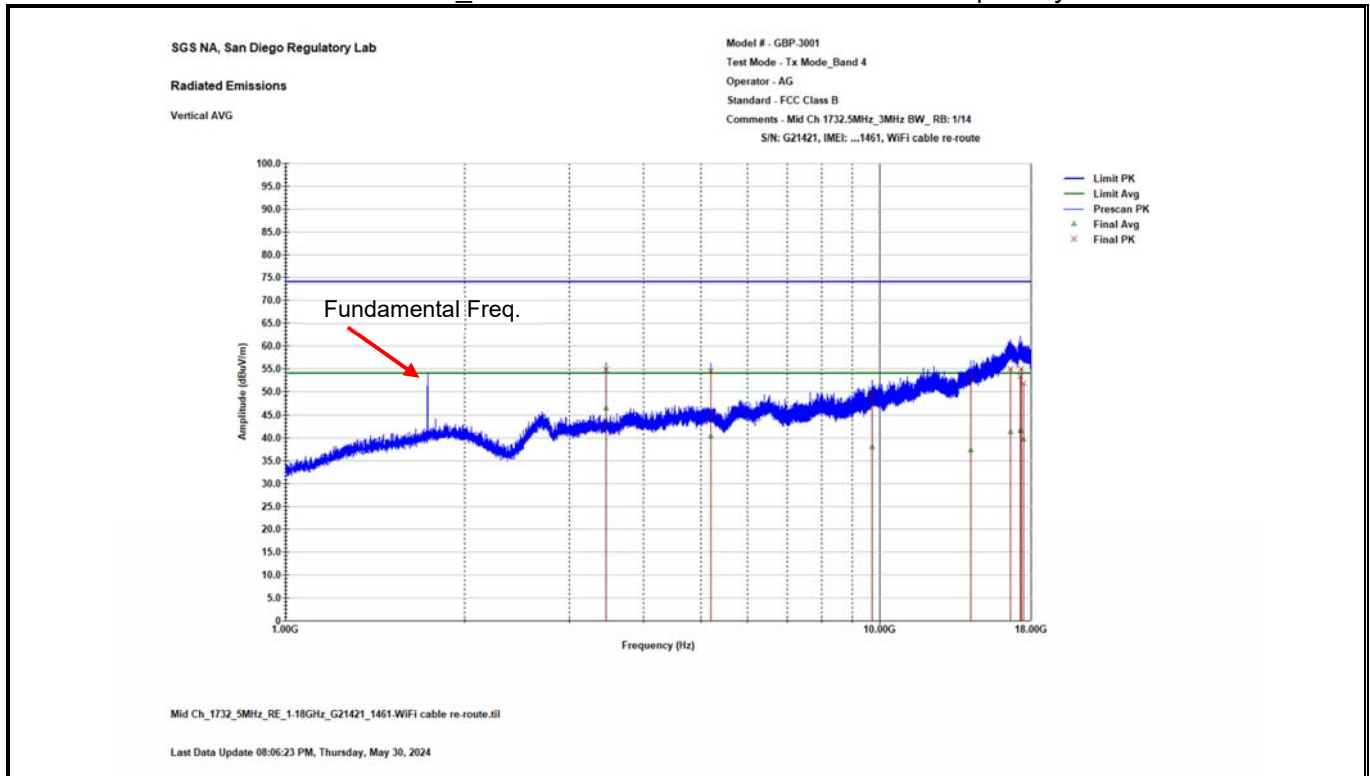
Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3425.475	54.94	2.65	-19.06	74	150	241
5138.225	55.88	7.12	-18.12	74	309	206
6851.4	51.59	11.63	-22.41	74	194	158
11565.08	51.29	24.25	-22.71	74	150	283
16321.68	52.79	32.3	-21.21	74	293	154
16651.47	52.52	33.63	-21.48	74	150	-20
17173.8	55.45	32.8	-18.55	74	150	257
17753.93	53.62	31.88	-20.38	74	150	318

Note: Fundamental frequency high peak shown in the plot not part of spurious emission limits. Data provided for information purpose only

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3425.475	47.85	2.65	-6.15	54	150	241
5138.225	44.32	7.12	-9.68	54	309	206
6851.4	39.83	11.63	-14.17	54	194	158
11565.08	39.25	24.25	-14.75	54	150	283
16321.68	40.1	32.3	-13.9	54	293	154
16651.47	41.02	33.63	-12.98	54	150	-20
17173.8	42.21	32.8	-11.79	54	150	257
17753.93	40.67	31.88	-13.33	54	150	318

LTE Band 4_1GHz to 18GHz Mid Channel – Vertical polarity



Peak Data

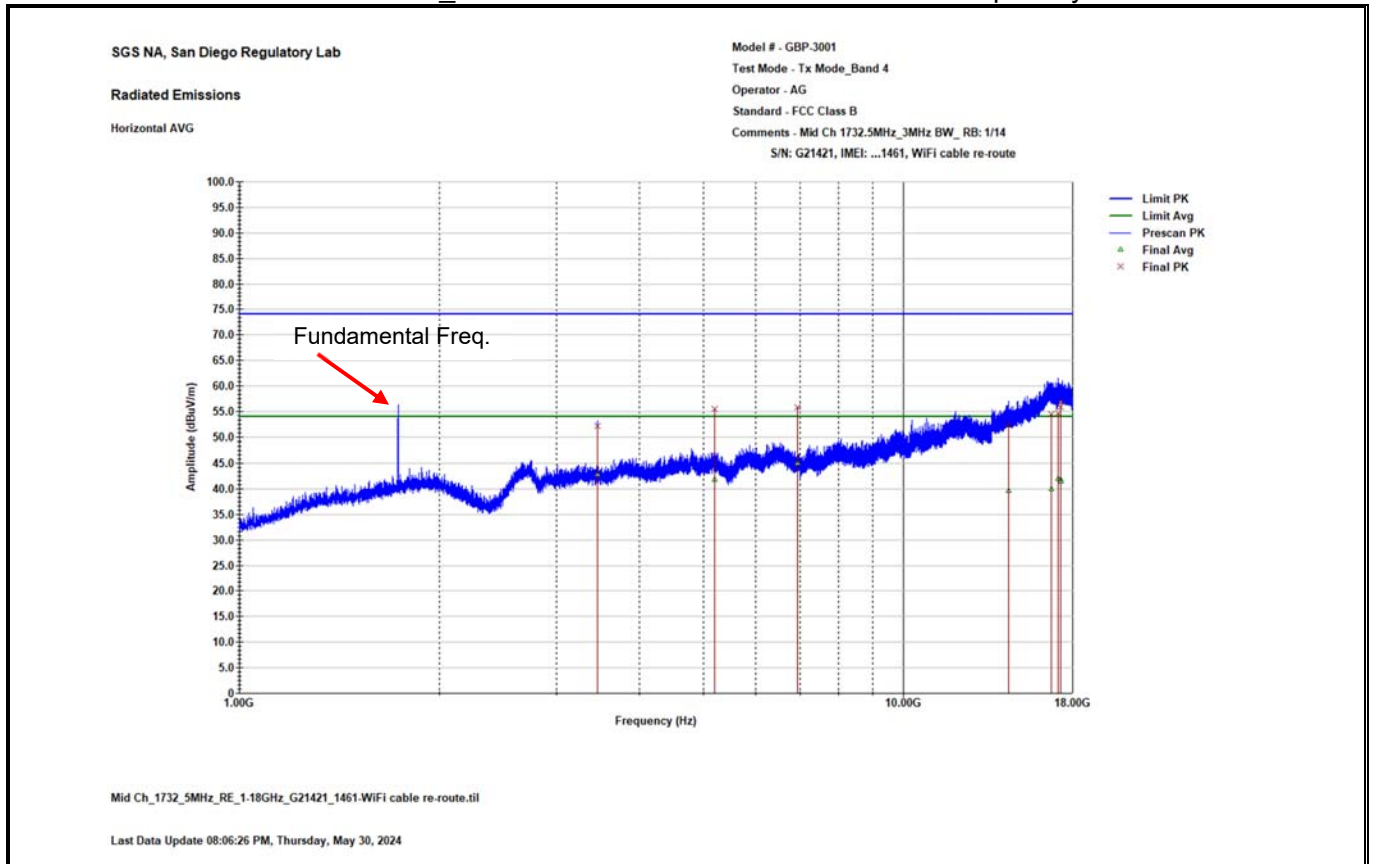
Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3467.55	54.86	2.79	-19.14	74	150	251
5201.55	54.52	7.37	-19.48	74	171	115
9701.875	49.28	18.81	-24.72	74	233	2
14256.18	53.35	27.05	-20.65	74	257	153
16614.93	54.98	33.59	-19.02	74	400	370
17274.95	53.31	32.59	-20.69	74	282	40
17343.8	54.94	32.4	-19.06	74	150	192
17483.2	51.79	32.13	-22.21	74	303	51

Note: Fundamental frequency high peak shown in the plot not part of spurious emission limits. Data provided for information purpose only

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3467.55	46.41	2.79	-7.59	54	150	251
5201.55	40.34	7.37	-13.66	54	171	115
9701.875	38.03	18.81	-15.97	54	233	2
14256.18	37.4	27.05	-16.6	54	257	153
16614.93	41.28	33.59	-12.72	54	400	370
17274.95	41.59	32.59	-12.41	54	282	40
17343.8	41.5	32.4	-12.5	54	150	192
17483.2	39.62	32.13	-14.38	54	303	51

LTE Band 4_1GHz to 18GHz Mid Channel – Horizontal polarity



Peak Data

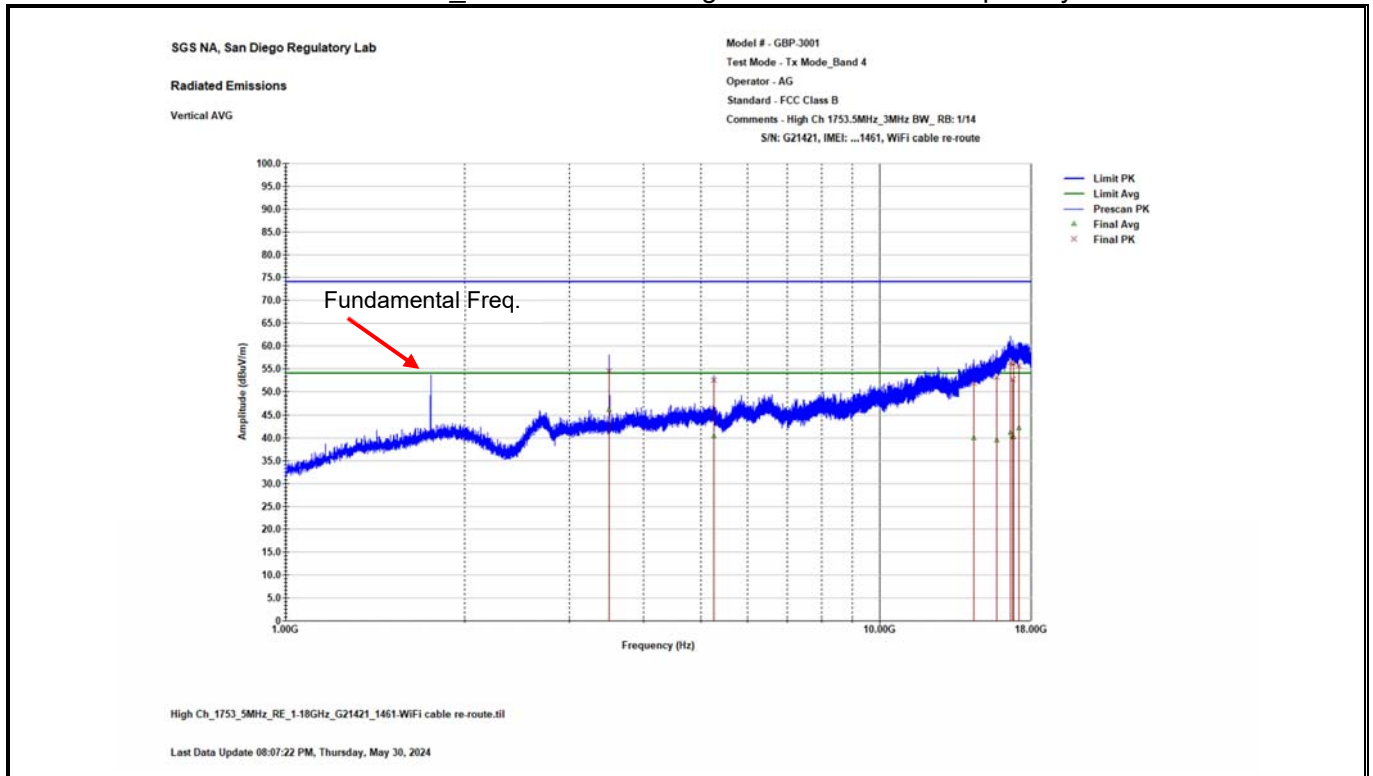
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3467.125	52.13	2.79	-21.87	74	188	236
5201.55	55.41	7.37	-18.59	74	194	203
6934.7	55.9	11.74	-18.1	74	150	158
14402.8	52.24	27.15	-21.76	74	379	238
16691	54.45	33.61	-19.55	74	348	311
17105.8	54.61	32.77	-19.39	74	378	169
17249.02	55.87	32.66	-18.13	74	240	64
17289.82	56.85	32.55	-17.15	74	279	310

Note: Fundamental frequency high peak shown in the plot not part of spurious emission limits. Data provided for information purpose only

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3467.125	42.78	2.79	-11.22	54	188	236
5201.55	41.77	7.37	-12.23	54	194	203
6934.7	44.94	11.74	-9.06	54	150	158
14402.8	39.7	27.15	-14.3	54	379	238
16691	40.01	33.61	-13.99	54	348	311
17105.8	42.05	32.77	-11.95	54	378	169
17249.02	41.77	32.66	-12.23	54	240	64
17289.82	41.54	32.55	-12.46	54	279	310

LTE Band 4_1GHz to 18GHz High Channel – Vertical polarity



Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3509.2	54.43	2.83	-19.57	74	197	111
5264.025	52.47	7.41	-21.53	74	194	253
14392.17	51.81	27.14	-22.19	74	187	48
15749.62	53.21	30.22	-20.79	74	201	259
16627.25	56.37	33.63	-17.63	74	264	324
16789.18	52.63	33.55	-21.37	74	334	4
16795.55	56.21	33.54	-17.79	74	150	207
17159.35	55.67	32.79	-18.33	74	349	17

Note: Fundamental frequency high peak shown in the plot not part of spurious emission limits. Data provided for information purpose only

Average Data

Freq. (MHz)	Final QP (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
3509.2	46.24	2.83	-7.76	54	197	111
5264.025	40.35	7.41	-13.65	54	194	253
14392.17	40.06	27.14	-13.94	54	187	48
15749.62	39.57	30.22	-14.43	54	201	259
16627.25	41.19	33.63	-12.81	54	264	324
16789.18	40.16	33.55	-13.84	54	334	4
16795.55	40.13	33.54	-13.87	54	150	207
17159.35	42.17	32.79	-11.83	54	349	17

LTE Band 4_1GHz to 18GHz High Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

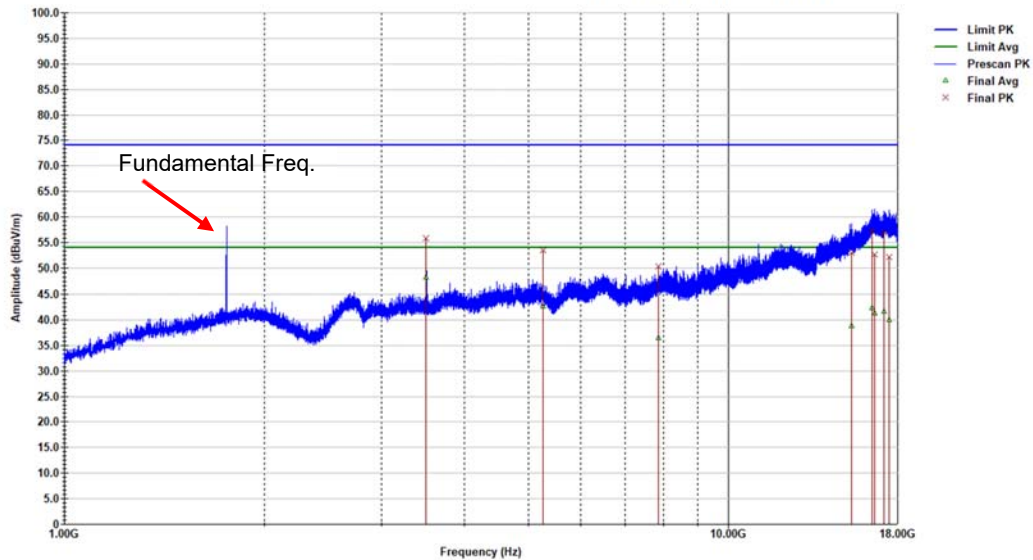
Test Mode - Tx Mode_Band 4

Operator - AG

Standard - FCC Class B

Comments - High Ch 1753.5MHz_3MHz BW_RB: 1/14

S/N: G21421, IMEI: ...1461, WiFi cable re-route



High Ch_1753_5MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.ttl

Last Data Update 08:07:25 PM, Thursday, May 30, 2024

Peak Data

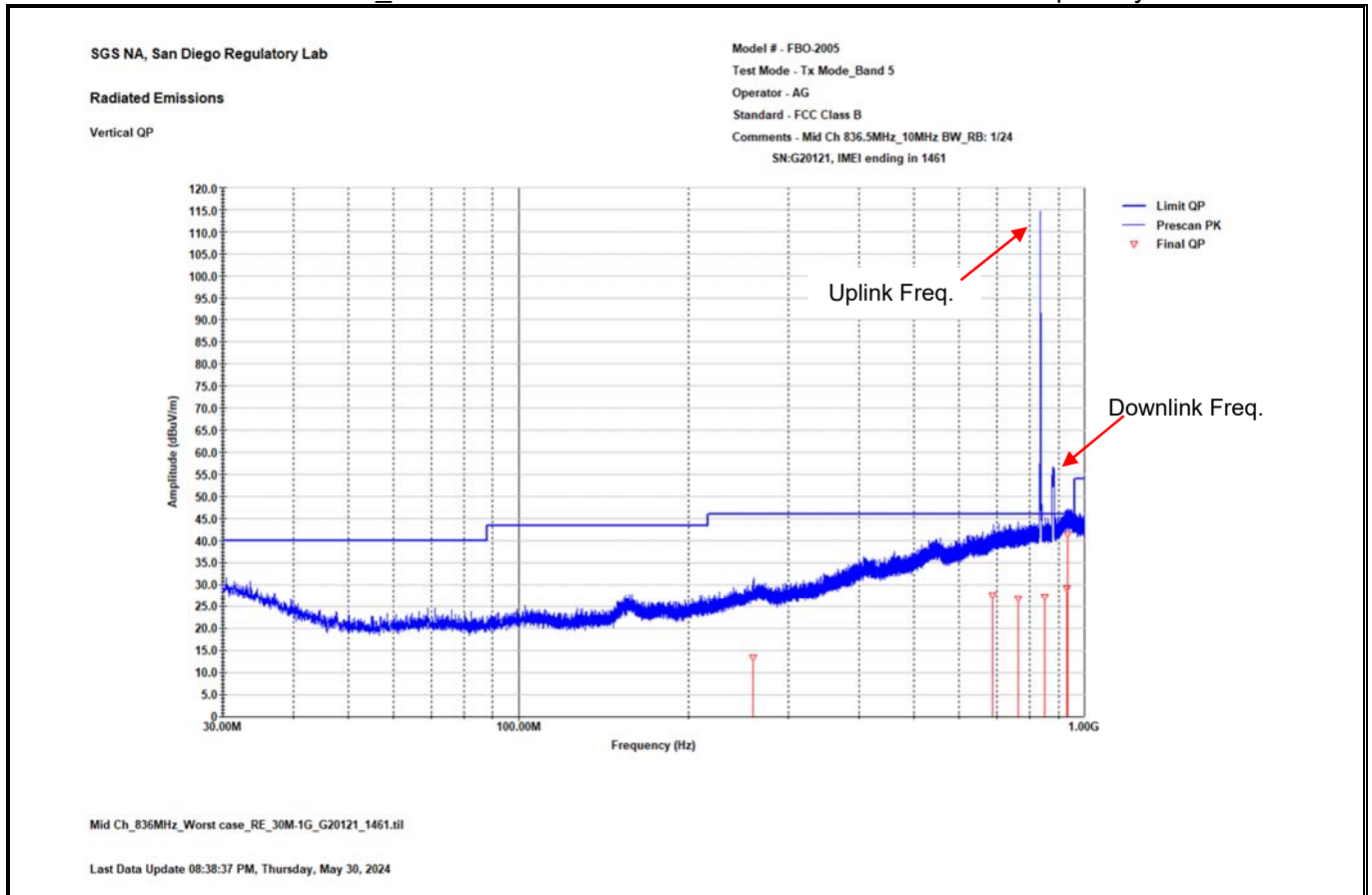
Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3509.625	55.79	2.83	-18.21	74	251	222
5264.025	53.56	7.41	-20.44	74	209	247
7849.3	50.37	14.57	-23.63	74	400	380
15346.72	52.99	29.29	-21.01	74	171	136
16472.98	57.24	32.98	-16.76	74	270	255
16625.13	52.64	33.63	-21.36	74	150	236
17155.1	56.93	32.79	-17.07	74	266	40
17461.52	52.22	32.15	-21.78	74	255	358

Note: Fundamental frequency high peak shown in the plot not part of spurious emission limits. Data provided for information purpose only

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3509.625	48.34	2.83	-5.66	54	251	222
5264.025	42.63	7.41	-11.37	54	209	247
7849.3	36.45	14.57	-17.55	54	400	380
15346.72	38.9	29.29	-15.1	54	171	136
16472.98	42.26	32.98	-11.74	54	270	255
16625.13	41.26	33.63	-12.74	54	150	236
17155.1	41.6	32.79	-12.4	54	266	40
17461.52	39.95	32.15	-14.05	54	255	358

LTE Band 5_30MHz to 1GHz Worst-Case Mid Channel – Vertical polarity



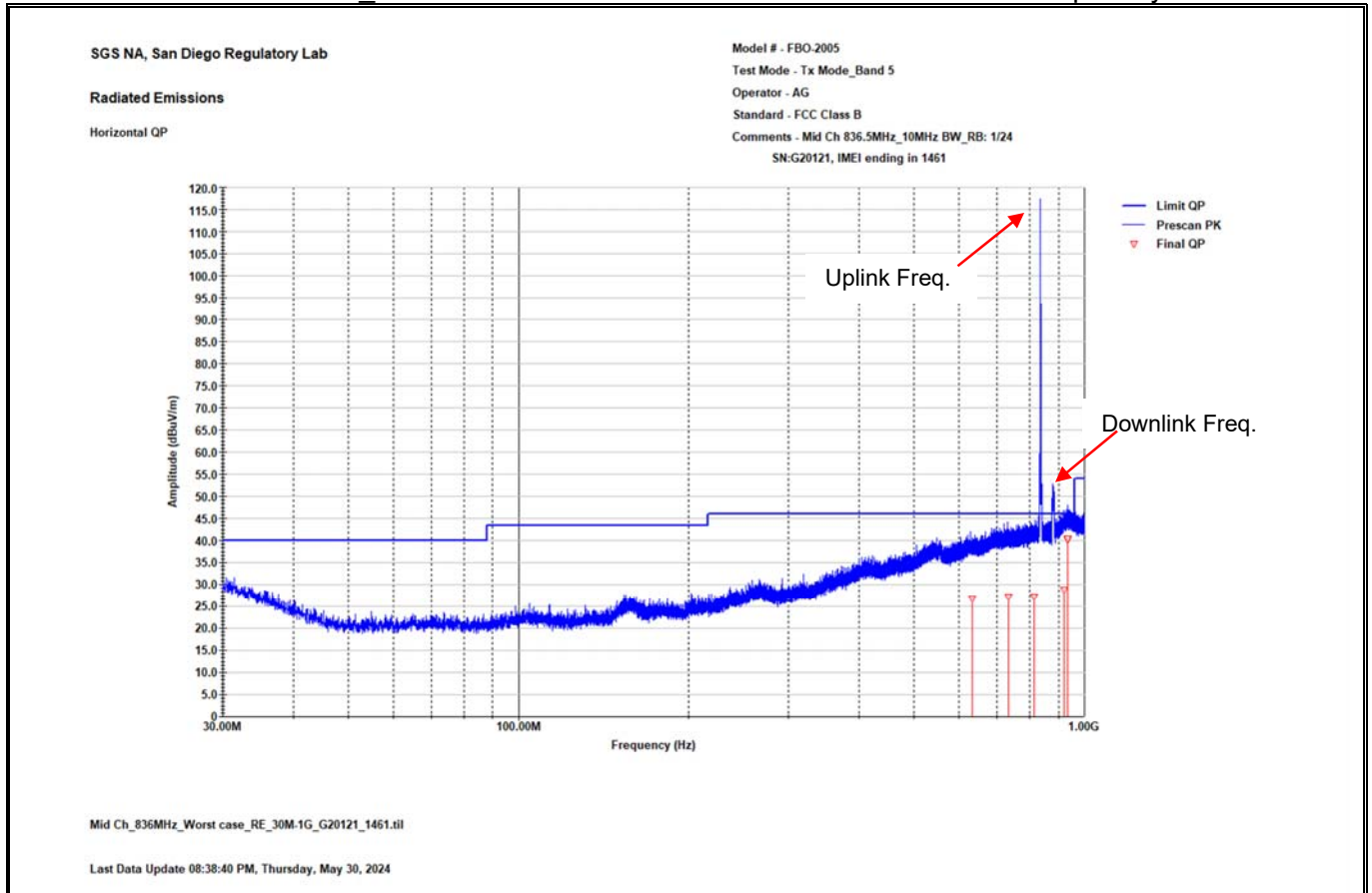
Quasi-Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
259.766	13.45	19.37	-32.55	46	122.1	332.7
688.464	27.53	30.49	-18.47	46	266	136.8
762.864	26.85	30.45	-19.15	46	281.8	110.1
851.816	27.23	31.36	-18.77	46	178	14
929.191	29.28	34	-16.72	46	137.6	148.9
933.386	41.46	34.14	-4.54	46	170.1	125.6

Note: High peak was the uplink frequency, not subject to this test limit. Plot provided only for information purpose.

Note: High peak was the downlink frequency, not subject to this test limit. Plot provided only for information purpose.

LTE Band 5_30MHz to 1GHz Worst-Case Mid Channel – Horizontal polarity



Quasi-Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
633.126	26.77	29.25	-19.23	46	368	361
733.646	27.28	30.61	-18.72	46	225	358
815.891	27.14	31.41	-18.86	46	161	280
920.449	28.81	33.43	-17.19	46	297	198
933.368	40.23	34.14	-5.77	46	100	288
933.379	40.31	34.14	-5.69	46	100	286

Note: High peak was the uplink frequency, not subject to this test limit. Plot provided only for information purpose.

Note: High peak was the downlink frequency, not subject to this test limit. Plot provided only for information purpose.

LTE Band 5_1GHz to 18GHz Low Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

Model # - GBP-3001

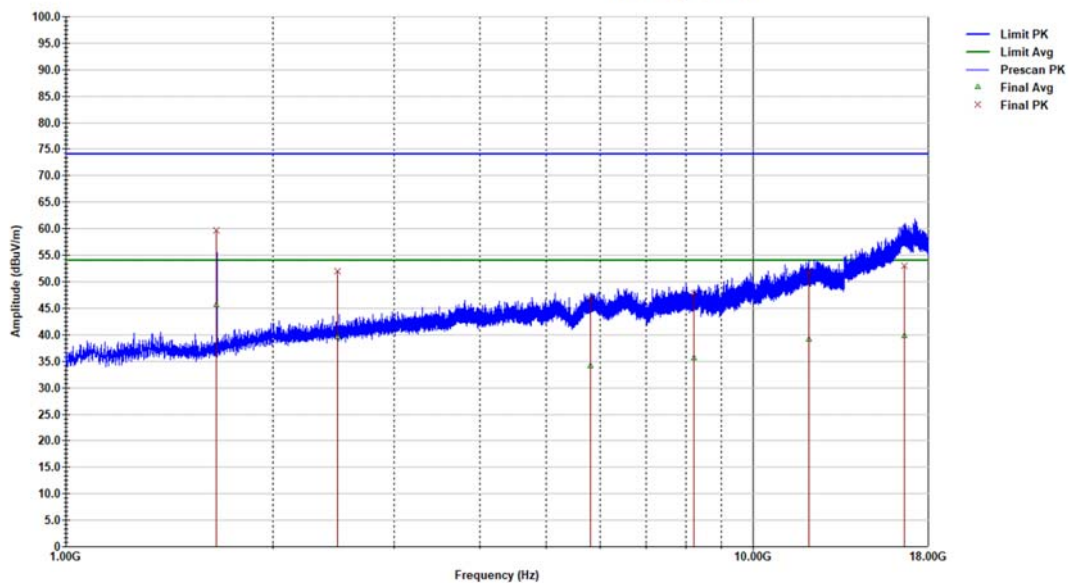
Test Mode - Tx Mode_Band 5

Operator - Eleazar Z

Standard - FCC Class B

Comments - Low Ch 829MHz_10MHz BW_RB: 1/24

S/N: G21421, IMEI: ...1461



Low Ch_829MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.tif

Last Data Update 08:40:49 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1657.9	59.72	-5.17	-14.28	74	295	194
2486.65	52	-0.1	-22	74	188	140
5793.575	46.81	9.24	-27.19	74	241	164
8212.25	47.77	15.47	-26.23	74	400	323
12065.3	51.76	25.37	-22.24	74	400	220
16634.9	52.96	33.63	-21.04	74	327	74

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1657.9	45.58	-5.17	-8.42	54	295	194
2486.65	39.69	-0.1	-14.31	54	188	140
5793.575	34.08	9.24	-19.92	54	241	164
8212.25	35.71	15.47	-18.29	54	400	323
12065.3	39.14	25.37	-14.86	54	400	220
16634.9	39.8	33.63	-14.2	54	327	74

LTE Band 5_1GHz to 18GHz Low Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

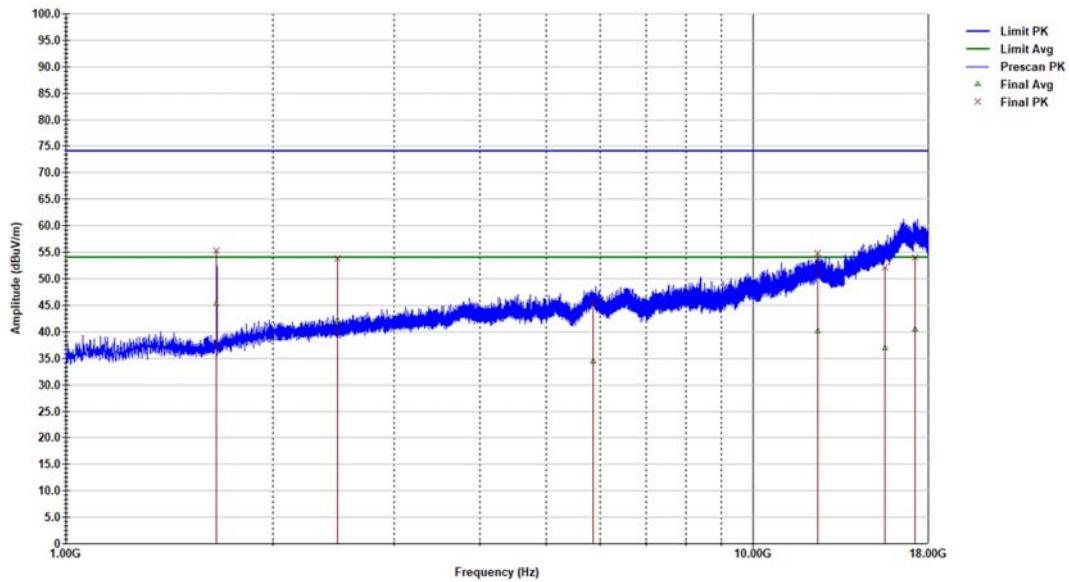
Test Mode - Tx Mode_Band 5

Operator - Eleazar Z

Standard - FCC Class B

Comments - Low Ch 829MHz_10MHz BW_RB: 1/24

S/N: G21421, IMEI: ...1461



Low Ch_829MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.tif

Last Data Update 08:40:51 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1657.9	55.37	-5.17	-18.63	74	341	188
2486.65	53.84	-0.1	-20.16	74	220	141
5847.55	45.57	9.54	-28.43	74	233	186
12432.5	54.79	25.96	-19.21	74	232	66
15545.2	52.11	29.78	-21.89	74	186	-17
17221.82	54.05	32.74	-19.95	74	240	78

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1657.9	45.37	-5.17	-8.63	54	341	188
2486.65	42.22	-0.1	-11.78	54	220	141
5847.55	34.51	9.54	-19.49	54	233	186
12432.5	40.23	25.96	-13.77	54	232	66
15545.2	36.93	29.78	-17.07	54	186	-17
17221.82	40.49	32.74	-13.51	54	240	78

LTE Band 5_1GHz to 18GHz Mid Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

Model # - GBP-3001

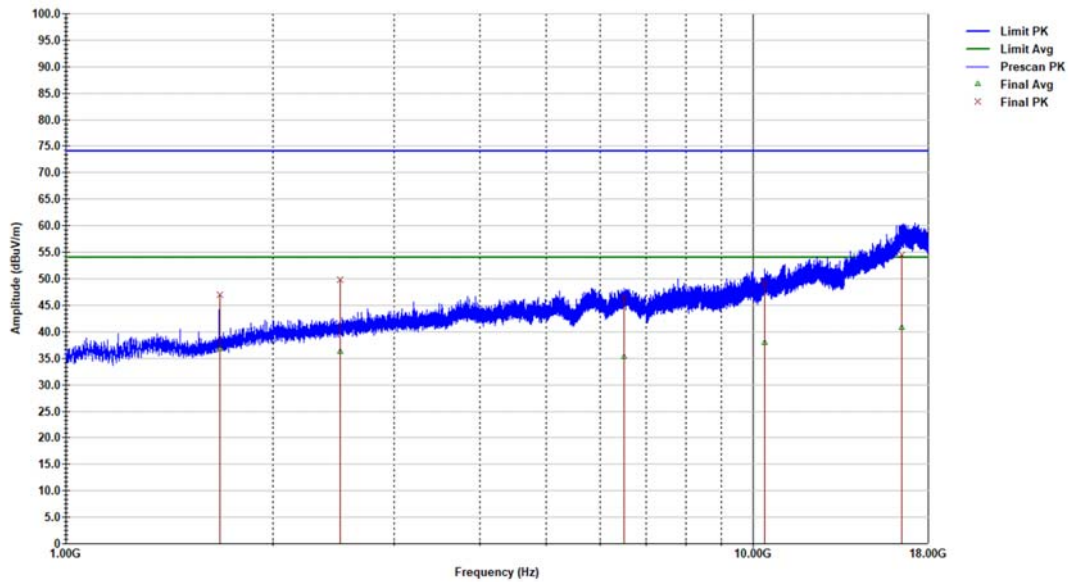
Test Mode - Tx Mode_Band 5

Operator - Eleazar Z

Standard - FCC Class B

Comments - Mid Ch 836.5MHz_10MHz BW_ RB: 1/24

S/N: G21421, IMEI: ...1461



Mid Ch_836_5MHz_RE_1-18GHz_G21421_1461.WIFI cable re-route.ttl

Last Data Update 08:41:30 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1672.775	46.96	-5.06	-27.04	74	262	136
2509.175	49.8	0	-24.2	74	150	121
6492.7	46.54	10.9	-27.46	74	373	13
10403.13	49.26	20.41	-24.74	74	150	163
16496.35	54.4	33.09	-19.6	74	382	231

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1672.775	36.86	-5.06	-17.14	54	262	136
2509.175	36.3	0	-17.7	54	150	121
6492.7	35.33	10.9	-18.67	54	373	13
10403.13	38	20.41	-16	54	150	163
16496.35	40.88	33.09	-13.12	54	382	231

LTE Band 5_1GHz to 18GHz Mid Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

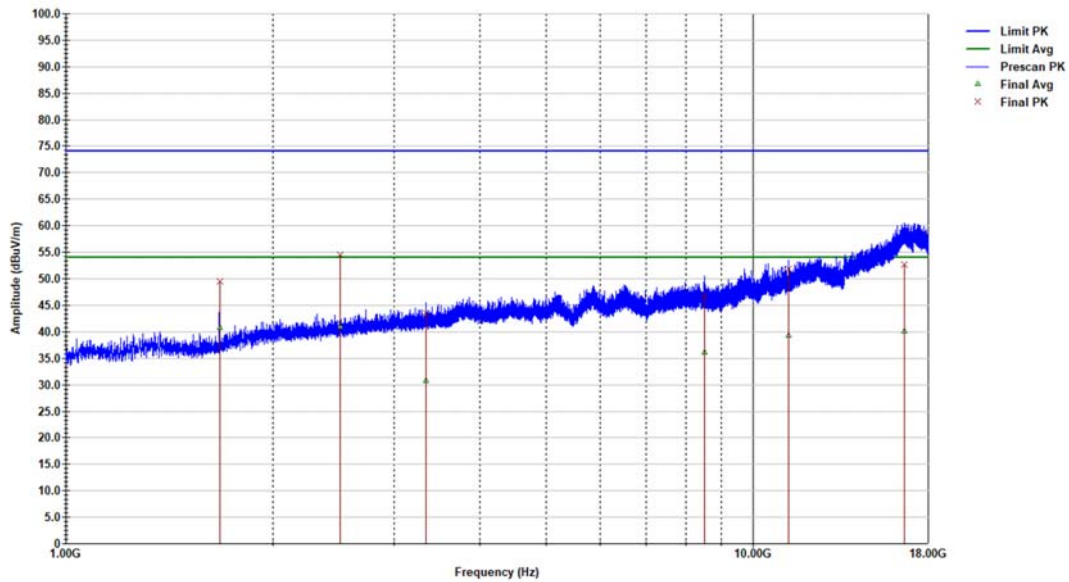
Test Mode - Tx Mode_Band 5

Operator - Eleazar Z

Standard - FCC Class B

Comments - Mid Ch 836.5MHz_10MHz BW_RB: 1/24

S/N: G21421, IMEI: ...1461



Mid Ch_836_5MHz_RE_1-18GHz_G21421_1461.WIFI cable re-route.ttl

Last Data Update 08:41:33 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1672.775	49.5	-5.06	-24.5	74	180	203
2509.175	54.54	0	-19.46	74	276	145
3342.175	43.43	2.49	-30.57	74	260	2
8505.925	46.78	16.12	-27.22	74	325	-6
11275.65	51.76	23.29	-22.24	74	380	20
16612.8	52.68	33.58	-21.32	74	217	173

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1672.775	40.82	-5.06	-13.18	54	180	203
2509.175	41.03	0	-12.97	54	276	145
3342.175	30.88	2.49	-23.12	54	260	2
8505.925	36.25	16.12	-17.75	54	325	-6
11275.65	39.38	23.29	-14.62	54	380	20
16612.8	40.19	33.58	-13.81	54	217	173

LTE Band 5_1GHz to 18GHz High Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

Model # - GBP-3001

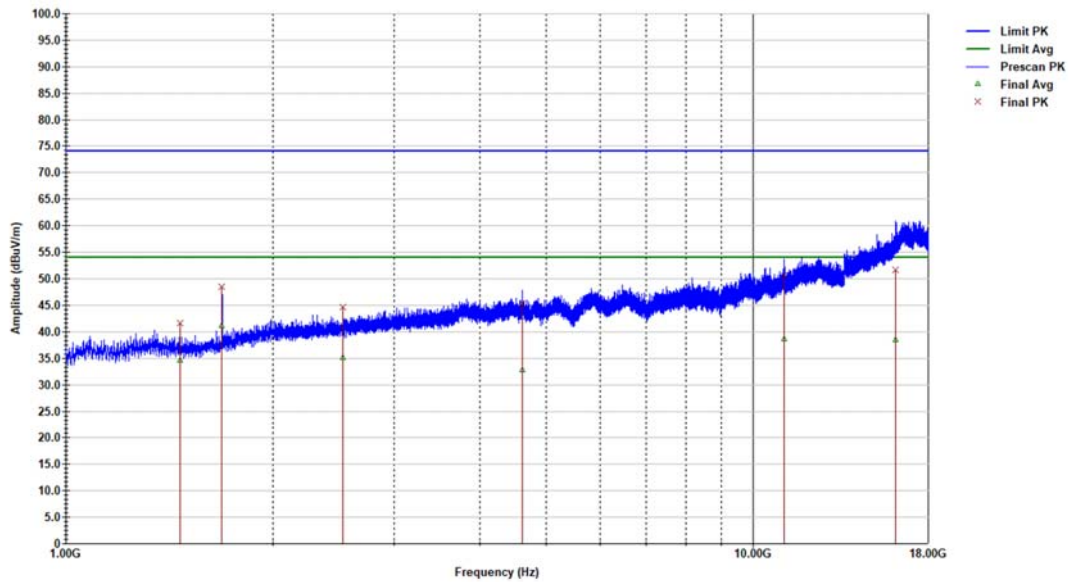
Test Mode - Tx Mode_Band 5

Operator - Eleazar Z

Standard - FCC Class B

Comments - High Ch 844MHz_10MHz BW_RB: 1/24

S/N: G21421, IMEI: ...1461



High Ch_844MHz_10MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.ttl

Last Data Update 08:42:10 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1466.65	41.6	-6.41	-32.4	74	262	152
1687.65	48.53	-4.84	-25.47	74	261	187
2531.7	44.69	0.14	-29.31	74	220	133
4615.05	45.38	6.09	-28.62	74	171	263
11105.22	50.69	22.54	-23.31	74	163	242
16128.72	51.62	31.48	-22.38	74	187	213

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1466.65	34.69	-6.41	-19.31	54	262	152
1687.65	41.2	-4.84	-12.8	54	261	187
2531.7	35.17	0.14	-18.83	54	220	133
4615.05	32.9	6.09	-21.1	54	171	263
11105.22	38.7	22.54	-15.3	54	163	242
16128.72	38.55	31.48	-15.45	54	187	213

LTE Band 5_1GHz to 18GHz High Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

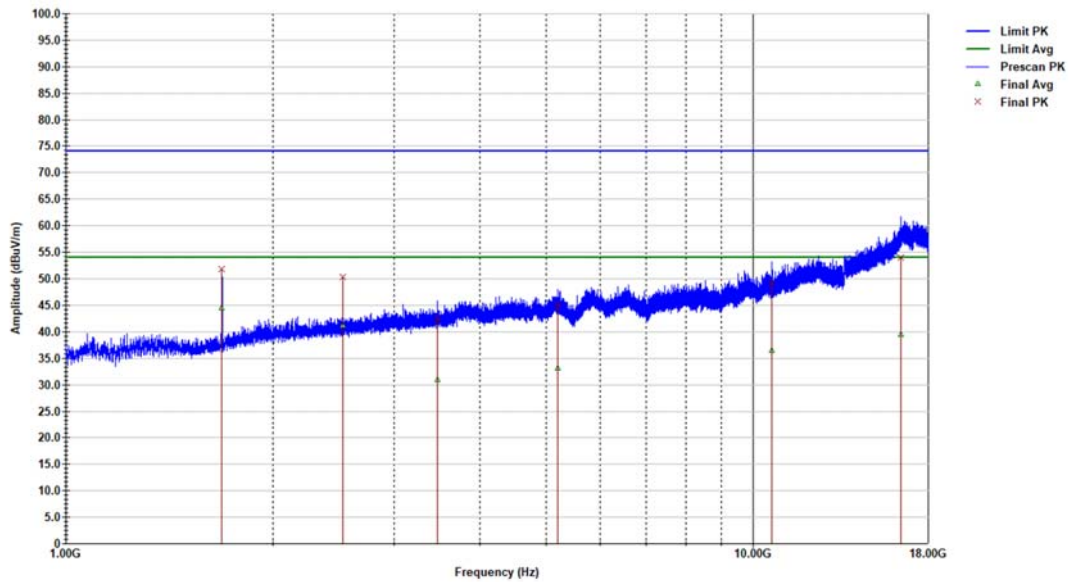
Test Mode - Tx Mode_Band 5

Operator - Eleazar Z

Standard - FCC Class B

Comments - High Ch 844MHz_10MHz BW_RB: 1/24

S/N: G21421, IMEI: ...1461



High Ch_844MHz_10MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.ttl

Last Data Update 08:42:13 PM, Thursday, May 30, 2024

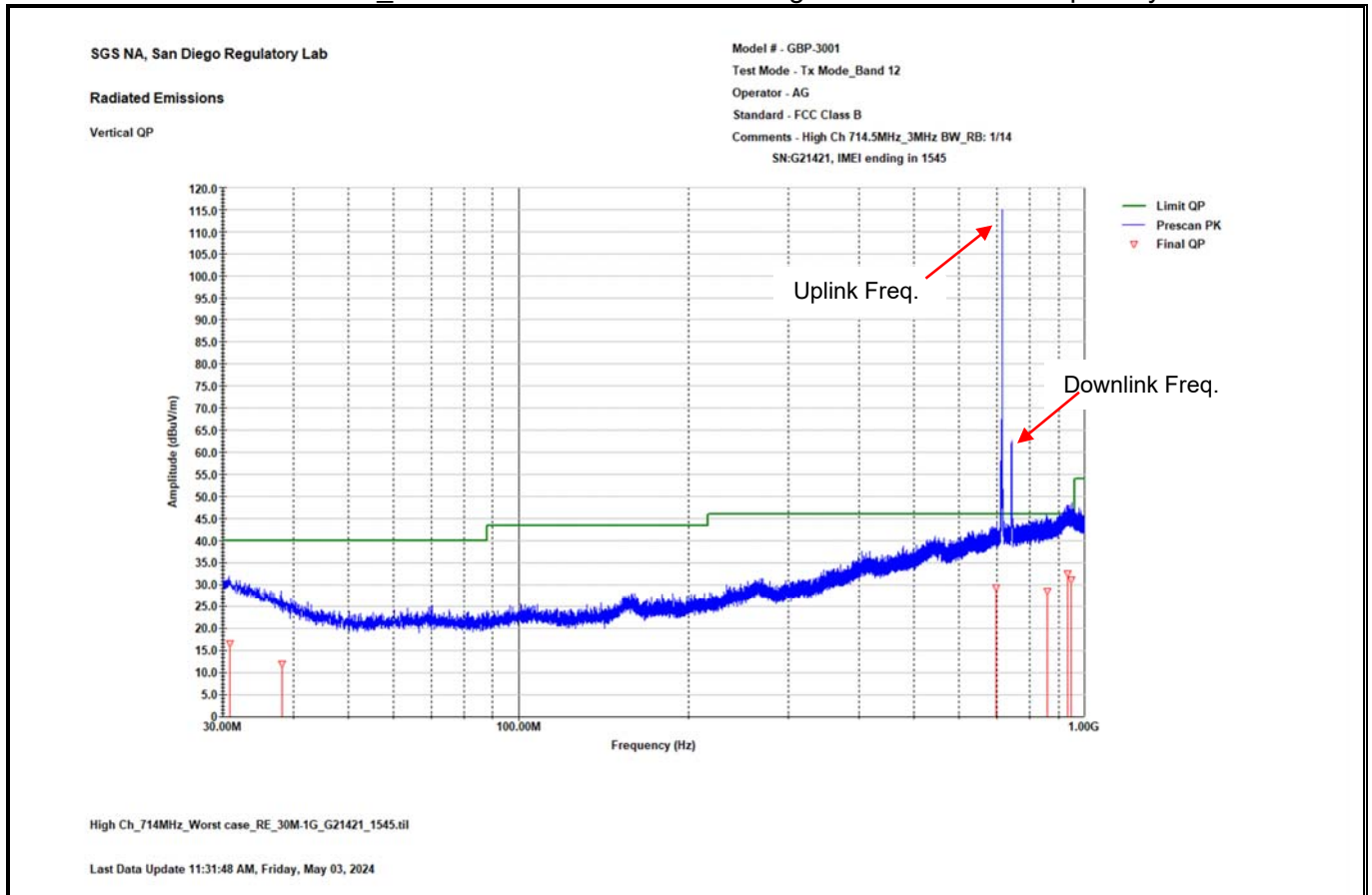
Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1687.65	51.82	-4.84	-22.18	74	292	198
2531.7	50.29	0.14	-23.71	74	268	134
3469.25	42.56	2.8	-31.44	74	373	110
5203.24	45.17	7.37	-28.83	74	150	301
10668.32	49.35	21.03	-24.65	74	294	114
16423.25	54.04	32.75	-19.96	74	150	23

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1687.65	44.52	-4.84	-9.48	54	292	198
2531.7	41.15	0.14	-12.85	54	268	134
3469.25	30.93	2.8	-23.07	54	373	110
5203.24	33.24	7.37	-20.76	54	150	301
10668.32	36.57	21.03	-17.43	54	294	114
16423.25	39.5	32.75	-14.5	54	150	23

LTE Band 12_30MHz to 1GHz Worst-Case High Channel – Vertical polarity



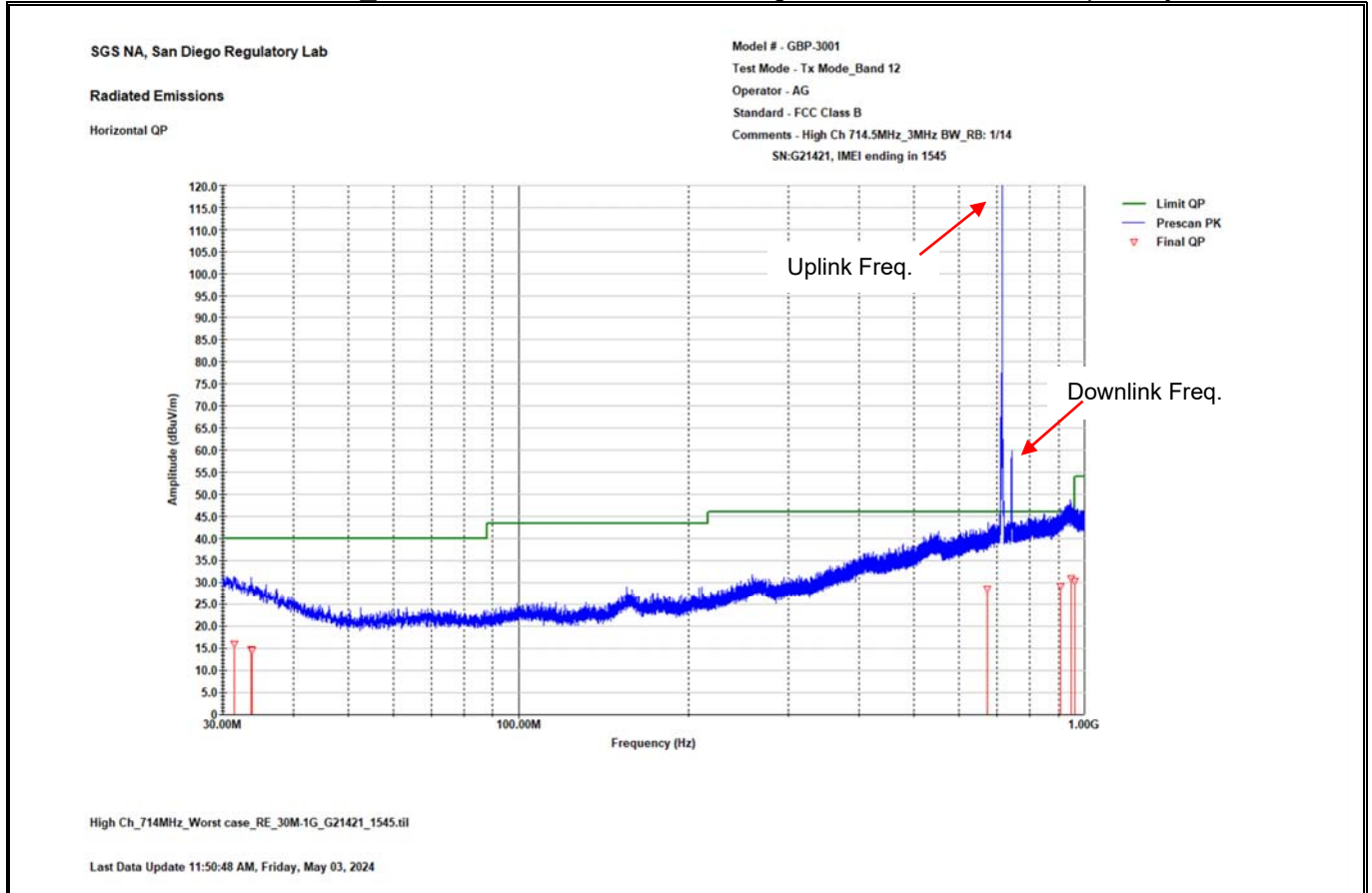
Quasi-Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
30.892	16.52	21.24	-23.48	40	320.8	153.3
38.148	12.08	16.91	-27.92	40	368.5	261.7
699.208	29.35	30.47	-16.65	46	121.6	303
860.561	28.59	31.39	-17.41	46	377.2	280.4
933.288	32.51	34.14	-13.49	46	242	-4.9
948.139	31.14	34.16	-14.86	46	113.6	293.1

Note: High peak was the uplink frequency, not subject to this test limit. Plot provided only for information purpose.

Note: High peak was the downlink frequency, not subject to this test limit. Plot provided only for information purpose.

LTE Band 12_30MHz to 1GHz Worst-Case High Channel – Horizontal polarity



Quasi-Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
31.412	16.04	20.96	-23.96	40	342	82
33.703	14.73	19.54	-25.27	40	240	297
33.793	14.62	19.48	-25.38	40	121	247
673.992	28.57	29.68	-17.43	46	106	209
909.214	29.27	32.61	-16.73	46	391	304
948.642	30.92	34.15	-15.08	46	390	335
961.935	30.34	33.61	-23.66	54	122	28

Note: High peak was the uplink frequency, not subject to this test limit. Plot provided only for information purpose.

Note: High peak was the downlink frequency, not subject to this test limit. Plot provided only for information purpose.

LTE Band 12_1GHz to 18GHz Low Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

Model # - GBP-3001

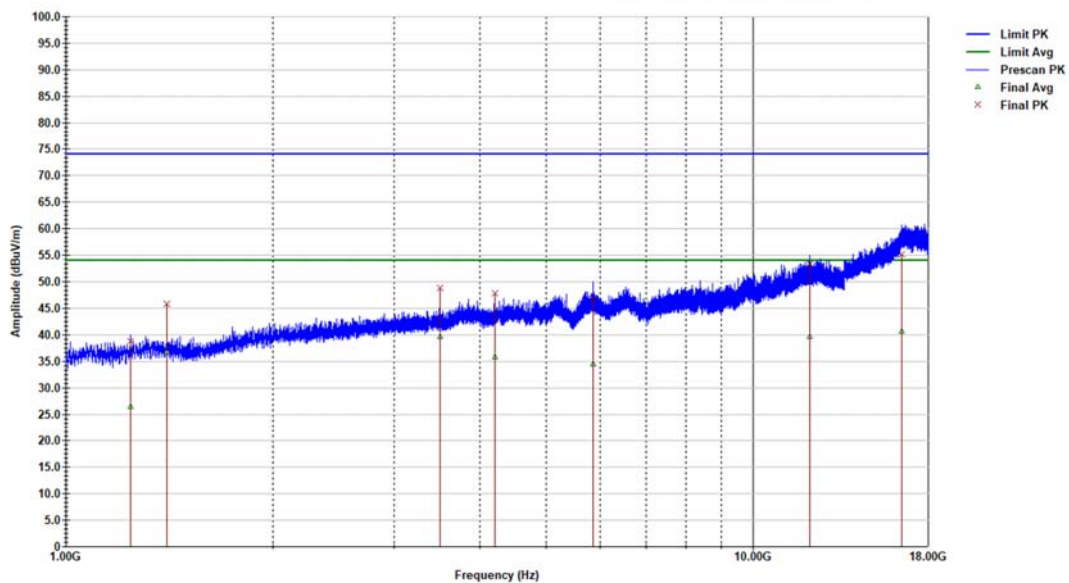
Test Mode - Tx Mode_Band 12

Operator - Alex C

Standard - FCC Class B

Comments - Low Ch 700.5MHz_3MHz BW_RB: 1/14

S/N: G21421, IMEI: ...1461, WiFi cable re-route



Low Ch_700_3MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.ttl

Last Data Update 08:46:35 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1241.825	38.83	-6.62	-35.17	74	358	-13
1403.325	45.83	-6.33	-28.17	74	164	240
3508.775	48.9	2.83	-25.1	74	172	127
4210.025	47.8	5.16	-26.2	74	156	110
5852.225	46.9	9.57	-27.1	74	233	69
12085.27	53.28	25.42	-20.72	74	203	144
16492.1	55.16	33.07	-18.84	74	240	211

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1241.825	26.52	-6.62	-27.48	54	358	-13
1403.325	36.79	-6.33	-17.21	54	164	240
3508.775	39.58	2.83	-14.42	54	172	127
4210.025	35.78	5.16	-18.22	54	156	110
5852.225	34.41	9.57	-19.59	54	233	69
12085.27	39.64	25.42	-14.36	54	203	144
16492.1	40.6	33.07	-13.4	54	240	211

LTE Band 12_1GHz to 18GHz Low Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

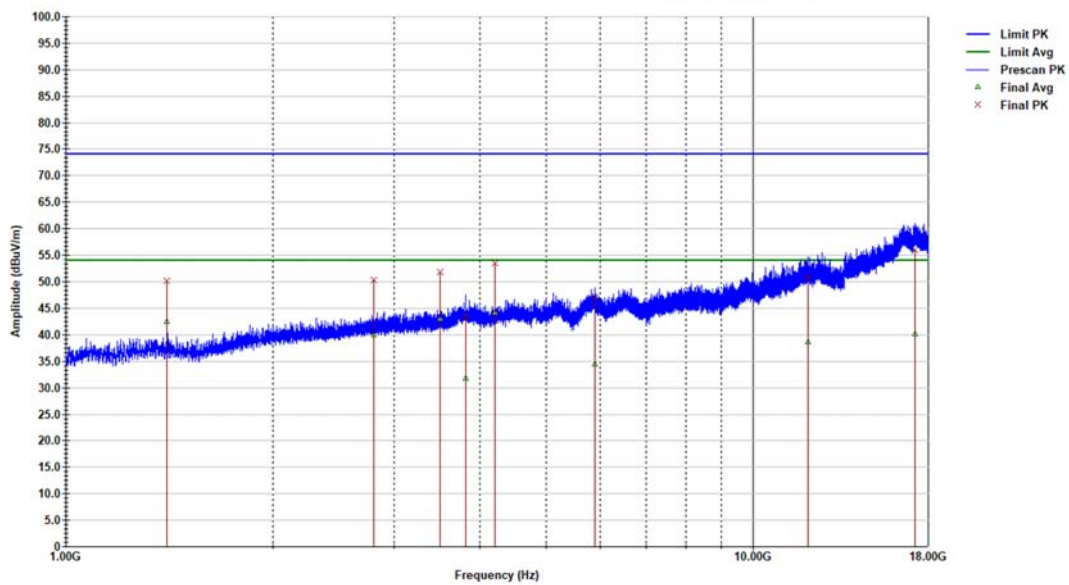
Test Mode - Tx Mode_Band 12

Operator - Alex C

Standard - FCC Class B

Comments - Low Ch 700.5MHz_3MHz BW_RB: 1/14

S/N: G21421, IMEI: ...1461, WiFi cable re-route



Low Ch_700_3MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.ttl

Last Data Update 08:46:37 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1403.325	50.2	-6.33	-23.8	74	340	196
2807.1	50.24	1.52	-23.76	74	277	146
3508.775	51.9	2.83	-22.1	74	236	122
3815.2	43.53	3.67	-30.47	74	348	115
4210.45	53.56	5.16	-20.44	74	179	188
5879.85	47.24	9.76	-26.76	74	368	262
12017.7	50.93	25.25	-23.07	74	394	266
17230.75	55.96	32.72	-18.04	74	341	222

Average Data

Freq. (MHz)	Final QP (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
1403.325	42.42	-6.33	-11.58	54	340	196
2807.1	40.01	1.52	-13.99	54	277	146
3508.775	43.01	2.83	-10.99	54	236	122
3815.2	31.88	3.67	-22.12	54	348	115
4210.45	44.13	5.16	-9.87	54	179	188
5879.85	34.48	9.76	-19.52	54	368	262
12017.7	38.7	25.25	-15.3	54	394	266
17230.75	40.11	32.72	-13.89	54	341	222

LTE Band 12_1GHz to 18GHz Mid Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

Model # - GBP-3001

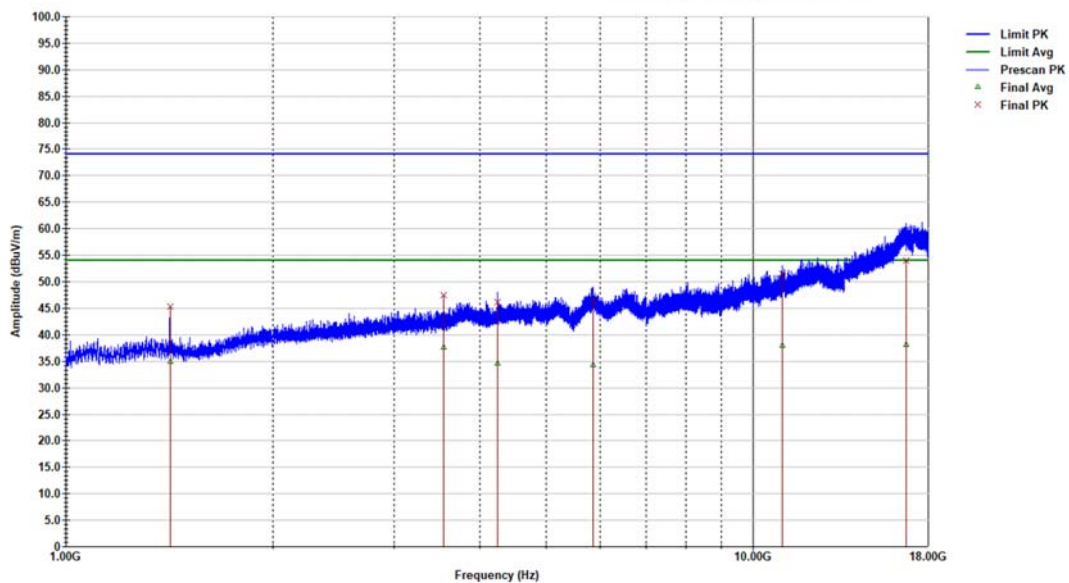
Test Mode - Tx Mode_Band 12

Operator - Alex C

Standard - FCC Class B

Comments - Mid Ch 707.5MHz_3MHz BW_ RB: 1/14

S/N: G21421, IMEI: ...1461, WiFi cable re-route



Mid Ch_707_3MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.ttl

Last Data Update 08:45:47 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1417.775	45.25	-6.39	-28.75	74	150	338
3543.625	47.56	2.85	-26.44	74	180	118
4252.525	46.24	5.32	-27.76	74	388	-20
5845.425	46.56	9.52	-27.44	74	187	357
11051.67	51.48	22.21	-22.52	74	249	362
16702.05	53.98	33.61	-20.02	74	271	89

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1417.775	35.05	-6.39	-18.95	54	150	338
3543.625	37.68	2.85	-16.32	54	180	118
4252.525	34.58	5.32	-19.42	54	388	-20
5845.425	34.39	9.52	-19.61	54	187	357
11051.67	37.95	22.21	-16.05	54	249	362
16702.05	38.23	33.61	-15.77	54	271	89

LTE Band 12_1GHz to 18GHz Mid Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

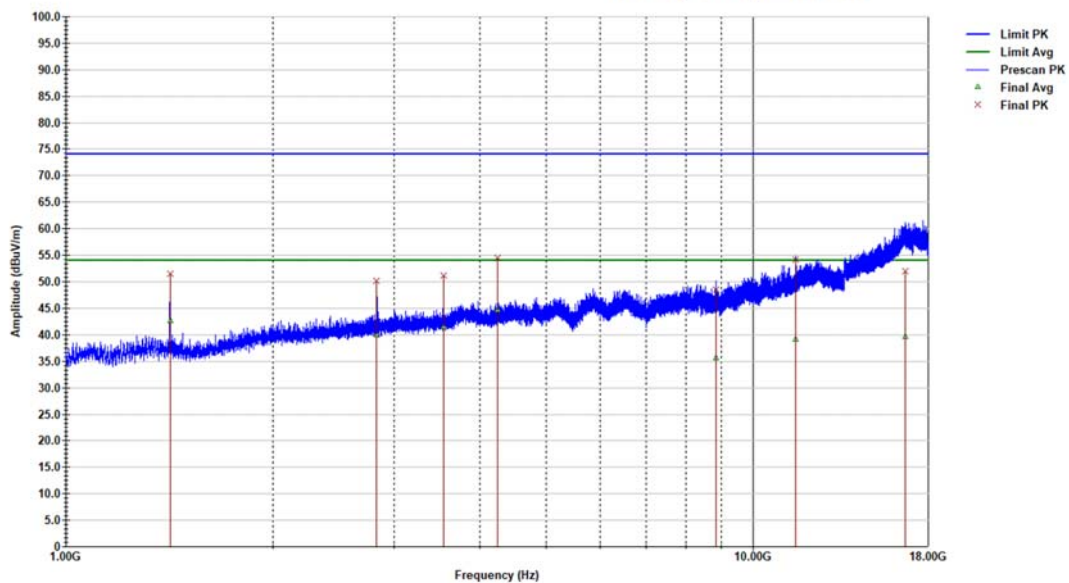
Test Mode - Tx Mode_Band 12

Operator - Alex C

Standard - FCC Class B

Comments - Mid Ch 707.5MHz_3MHz BW_ RB: 1/14

S/N: G21421, IMEI: ...1461, WiFi cable re-route



Mid Ch_707_3MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.ttl

Last Data Update 08:45:49 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1417.35	51.43	-6.39	-22.57	74	204	203
2834.725	50.16	1.66	-23.84	74	291	140
3543.625	51.21	2.85	-22.79	74	212	126
4252.525	54.51	5.32	-19.49	74	155	182
8848.05	48.44	16.61	-25.56	74	348	277
11558.28	54.23	24.25	-19.77	74	178	333
16650.2	51.96	33.63	-22.04	74	186	104

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1417.35	42.63	-6.39	-11.37	54	204	203
2834.725	39.94	1.66	-14.06	54	291	140
3543.625	41.48	2.85	-12.52	54	212	126
4252.525	44.69	5.32	-9.31	54	155	182
8848.05	35.62	16.61	-18.38	54	348	277
11558.28	39.11	24.25	-14.89	54	178	333
16650.2	39.58	33.63	-14.42	54	186	104

LTE Band 12_1GHz to 18GHz High Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

Model # - GBP-3001

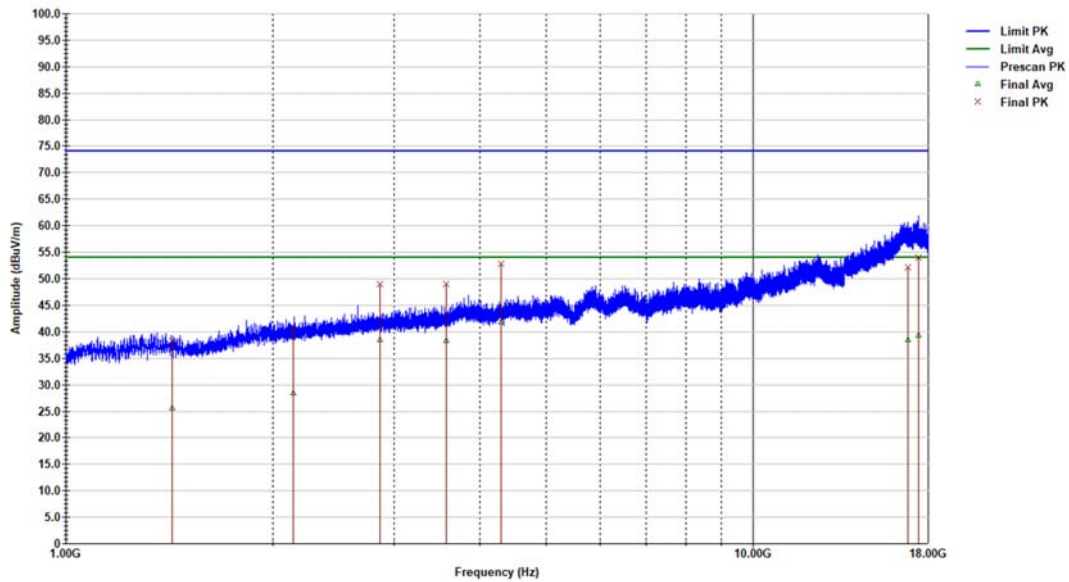
Test Mode - Tx Mode_Band 12

Operator - Eleazar

Standard - FCC Class B

Comments - High Ch 714.5MHz_3MHz BW_RB: 1/14

S/N: G21421, IMEI: ...1461



High Ch_714MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 08:45:04 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1429	38.33	-6.4	-35.67	74	172	92
2143.5	40.41	-1.67	-33.59	74	172	255
2863.2	48.91	1.78	-25.09	74	205	146
3578.475	48.96	2.84	-25.04	74	150	115
4294.6	52.85	5.37	-21.15	74	163	110
16806.6	52.16	33.53	-21.84	74	400	103
17401.17	54	32.25	-20	74	288	253

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1429	25.59	-6.4	-28.41	54	172	92
2143.5	28.4	-1.67	-25.6	54	172	255
2863.2	38.54	1.78	-15.46	54	205	146
3578.475	38.31	2.84	-15.69	54	150	115
4294.6	41.75	5.37	-12.25	54	163	110
16806.6	38.49	33.53	-15.51	54	400	103
17401.17	39.39	32.25	-14.61	54	288	253

LTE Band 12_1GHz to 18GHz High Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

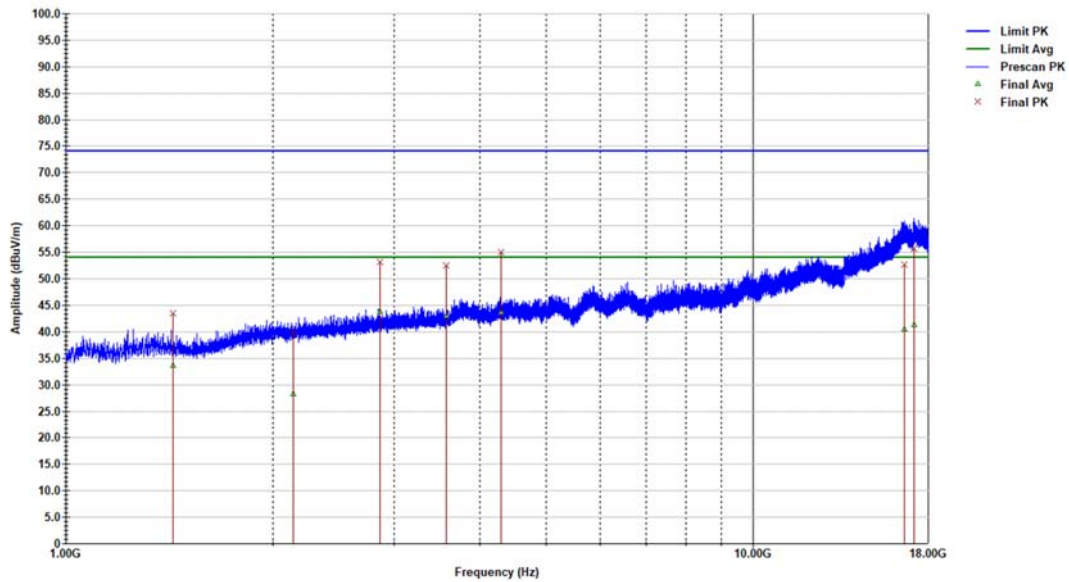
Test Mode - Tx Mode_Band 12

Operator - Eleazar

Standard - FCC Class B

Comments - High Ch 714.5MHz_3MHz BW_RB: 1/14

S/N: G21421, IMEI: ...1461



High Ch_714MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 08:45:07 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1431.375	43.45	-6.39	-30.55	74	316	207
2143.5	40.04	-1.67	-33.96	74	172	323
2863.2	53.15	1.78	-20.85	74	284	145
3578.9	52.54	2.83	-21.46	74	204	130
4294.175	55.01	5.37	-18.99	74	163	186
16622.57	52.61	33.62	-21.39	74	150	373
17167.85	55.71	32.79	-18.29	74	150	303

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1431.375	33.63	-6.39	-20.37	54	316	207
2143.5	28.37	-1.67	-25.63	54	172	323
2863.2	43.82	1.78	-10.18	54	284	145
3578.9	43.07	2.83	-10.93	54	204	130
4294.175	43.69	5.37	-10.31	54	163	186
16622.57	40.53	33.62	-13.47	54	150	373
17167.85	41.27	32.79	-12.73	54	150	303

LTE Band 13_30MHz to 1GHz Worst-Case Mid Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical QP

Model # - GBP-3001

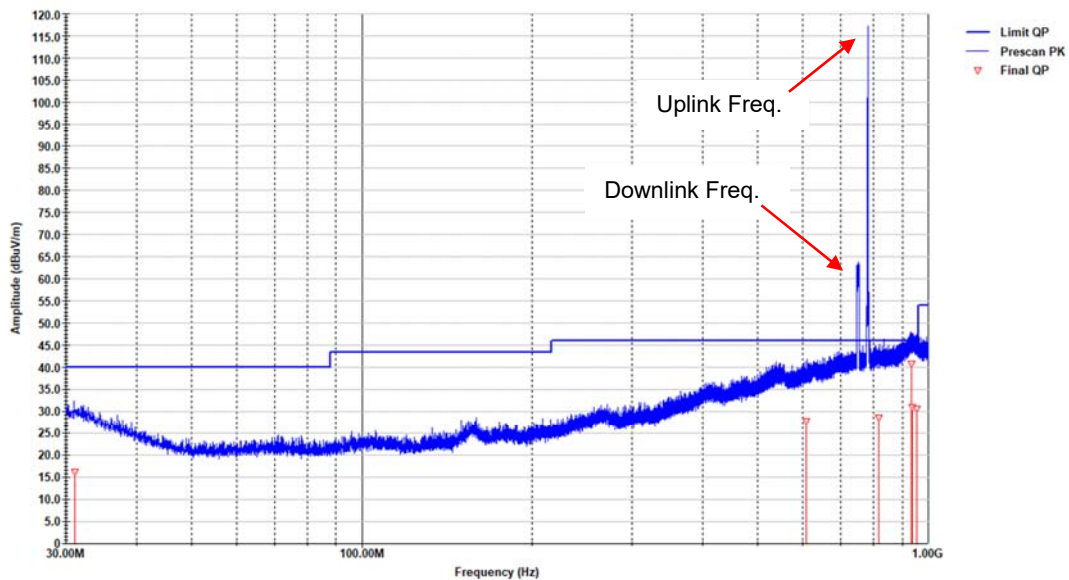
Test Mode - Tx Mode_Band 13

Operator - AG

Standard - FCC Class B

Comments - Mid Ch 782MHz_10MHz BW_RB: 1/25

SN:G21421, IMEI ending in 1545



Mid Ch_782MHz_Worst case_RE_30M-1G_G21421_1545.ttl

Last Data Update 12:31:21 PM, Friday, May 03, 2024

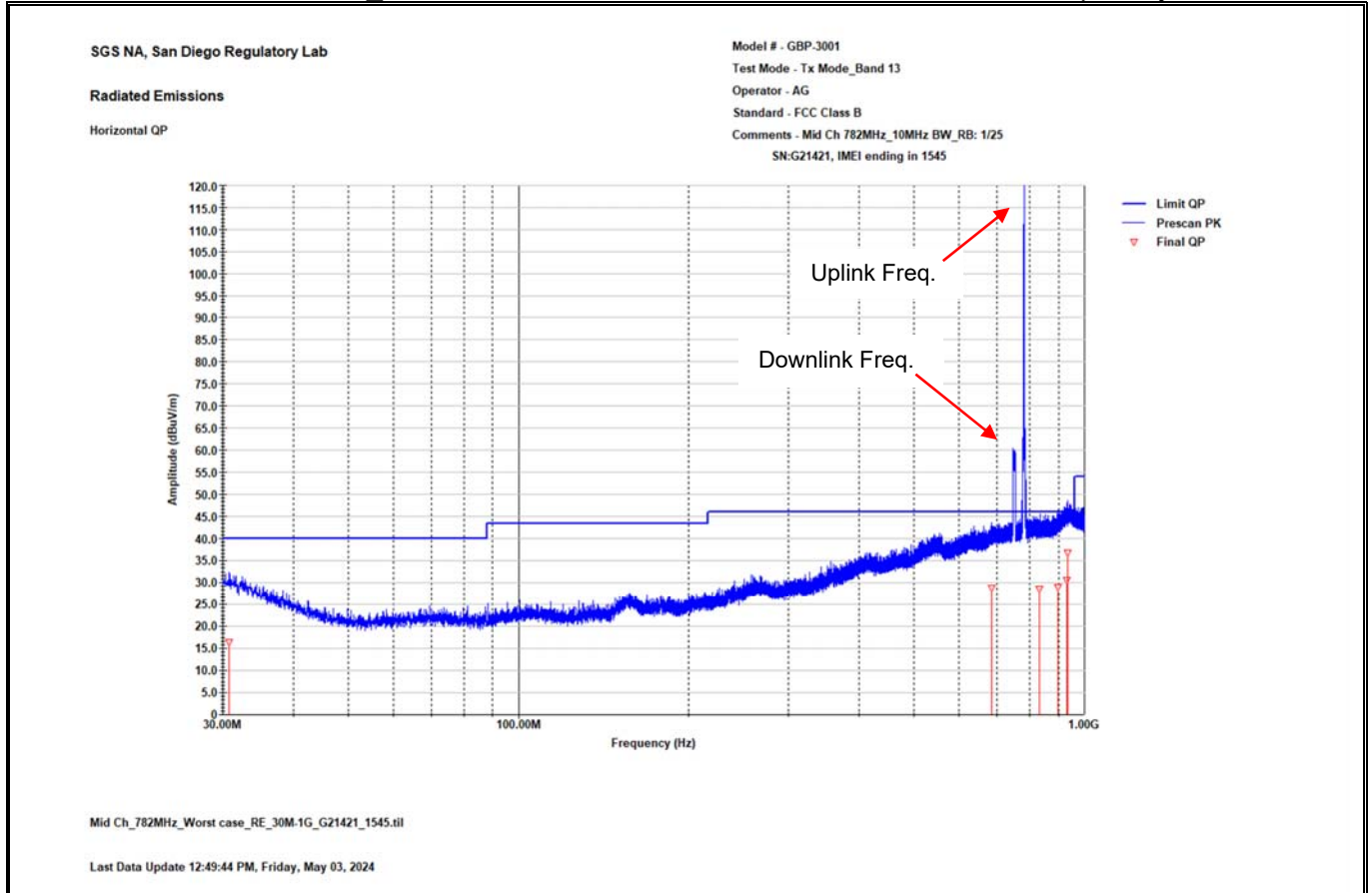
Quasi-Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
31.073	16.18	21.16	-23.82	40	352	233.9
608.007	27.78	28.2	-18.22	46	129.6	187.6
818.691	28.66	31.37	-17.34	46	281.1	322.4
933.35	40.84	34.14	-5.16	46	177	230.4
938.752	30.92	34.22	-15.08	46	100	-1.2
955.31	30.49	33.9	-15.51	46	368.5	222.6

Note: High peak was the uplink frequency, not subject to this test limit. Plot provided only for information purpose.

Note: High peak was the downlink frequency, not subject to this test limit. Plot provided only for information purpose.

LTE Band 13 30MHz to 1GHz Worst-Case Mid Channel – Horizontal polarity



Quasi-Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
30.796	16.41	21.27	-23.59	40	358	156
685.713	28.82	30.42	-17.18	46	114	197
832.228	28.52	31.21	-17.48	46	360	255
898.935	28.97	32.11	-17.03	46	100	351
930.106	30.62	34.04	-15.38	46	208	78
933.371	36.86	34.14	-9.14	46	169	151

Note: High peak was the uplink frequency, not subject to this test limit. Plot provided only for information purpose.

Note: High peak was the downlink frequency, not subject to this test limit. Plot provided only for information purpose.

LTE Band 13_1GHz to 18GHz Mid Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

Model # - GBP-3001

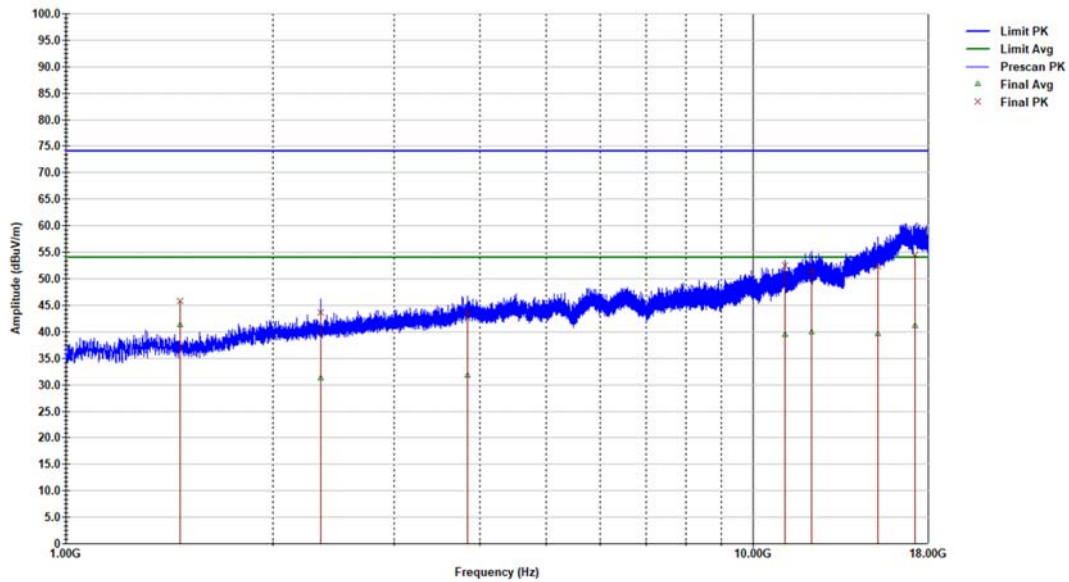
Test Mode - Tx Mode_Band 13

Operator - Alex C

Standard - FCC Part 27/RSS-199

Comments - Mid Ch 782MHz_10MHz BW_RB: 1/25

S/N: G21421, IMEI: ...1461, WiFi cable re-route



Mid Ch_782MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.ttl

Last Data Update 08:48:07 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1467.075	45.82	-6.41	-28.18	74	253	214
2346.4	43.68	-0.79	-30.32	74	150	66
3844.525	43.58	3.59	-30.42	74	171	259
11121.8	52.42	22.6	-21.58	74	171	67
12173.67	51.63	25.63	-22.37	74	241	164
15216.25	52.32	28.9	-21.68	74	280	362
17244.77	54.53	32.68	-19.47	74	218	265

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1467.075	41.38	-6.41	-12.62	54	253	214
2346.4	31.38	-0.79	-22.62	54	150	66
3844.525	31.85	3.59	-22.15	54	171	259
11121.8	39.43	22.6	-14.57	54	171	67
12173.67	39.96	25.63	-14.04	54	241	164
15216.25	39.7	28.9	-14.3	54	280	362
17244.77	41.12	32.68	-12.88	54	218	265

LTE Band 13_1GHz to 18GHz Mid Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

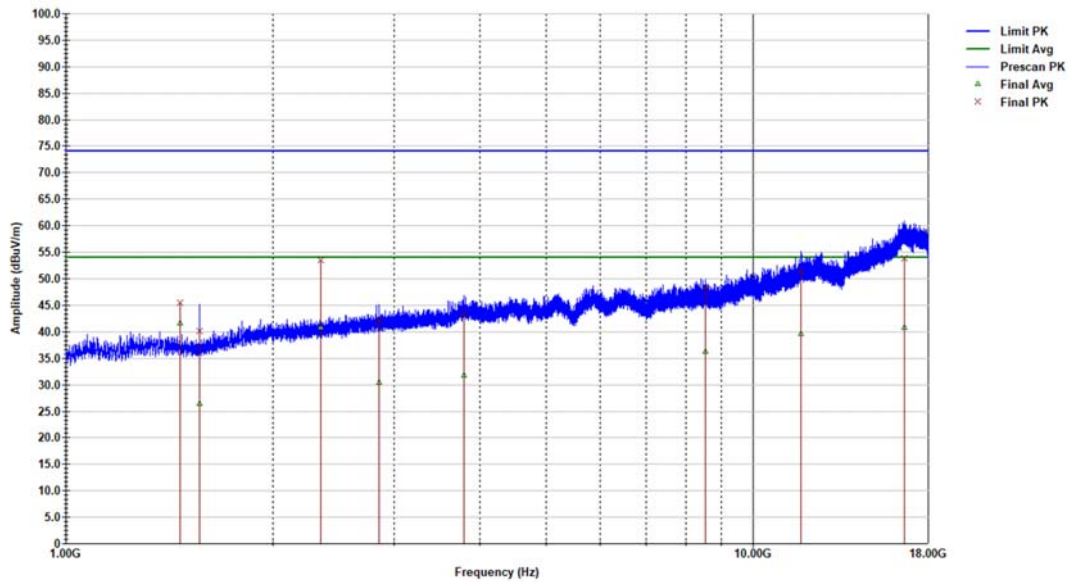
Test Mode - Tx Mode_Band 13

Operator - Alex C

Standard - FCC Part 27/RSS-199

Comments - Mid Ch 782MHz_10MHz BW_RB: 1/25

S/N: G21421, IMEI: ...1461, WiFi cable re-route



Mid Ch_782MHz_RE_1-18GHz_G21421_1461-WiFi cable re-route.ttl

Last Data Update 08:48:09 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1466.65	45.53	-6.41	-28.47	74	350	57
1564.4	40.17	-6.03	-33.83	74	400	295
2345.975	53.44	-0.79	-20.56	74	156	138
2852.575	42.33	1.75	-31.67	74	150	217
3795.225	43.46	3.71	-30.54	74	150	109
8533.125	48.37	16.14	-25.63	74	194	57
11742.73	51.54	24.73	-22.46	74	387	244
16609.82	53.8	33.57	-20.2	74	310	314

Average Data

Freq. (MHz)	Final QP (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
1466.65	41.73	-6.41	-12.27	54	350	57
1564.4	26.55	-6.03	-27.45	54	400	295
2345.975	40.8	-0.79	-13.2	54	156	138
2852.575	30.43	1.75	-23.57	54	150	217
3795.225	31.81	3.71	-22.19	54	150	109
8533.125	36.39	16.14	-17.61	54	194	57
11742.73	39.71	24.73	-14.29	54	387	244
16609.82	40.9	33.57	-13.1	54	310	314

LTE Band 66_30MHz to 1GHz Worst-Case Mid Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical QP

Model # - GBP-3001

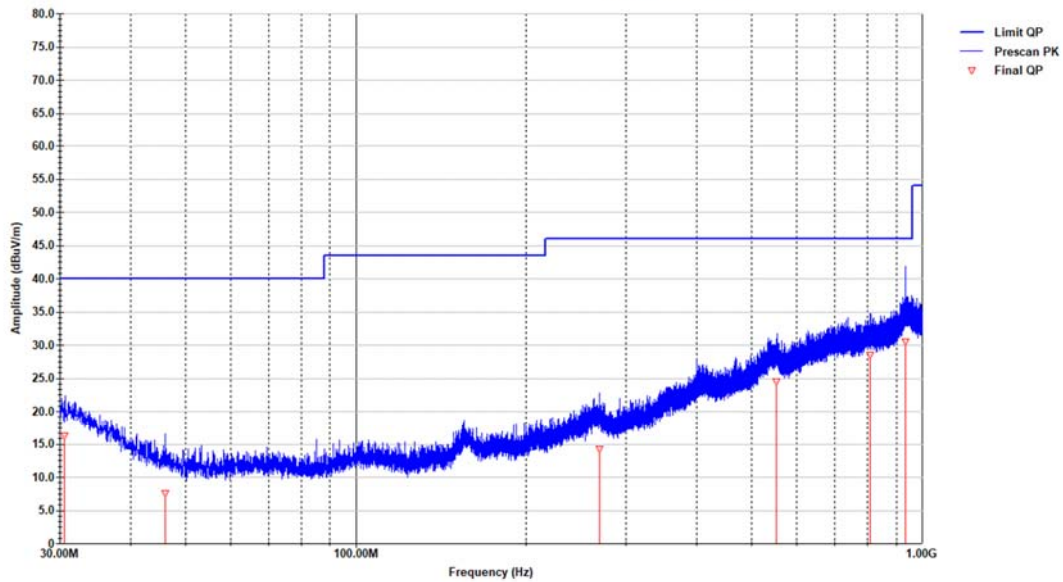
Test Mode - Tx Mode_Band 66

Operator - AG

Standard - FCC Class B

Comments - Mid Ch 1745 MHz_10MHz BW_RB: 1/25

SN:G21421, IMEI ending in 1545



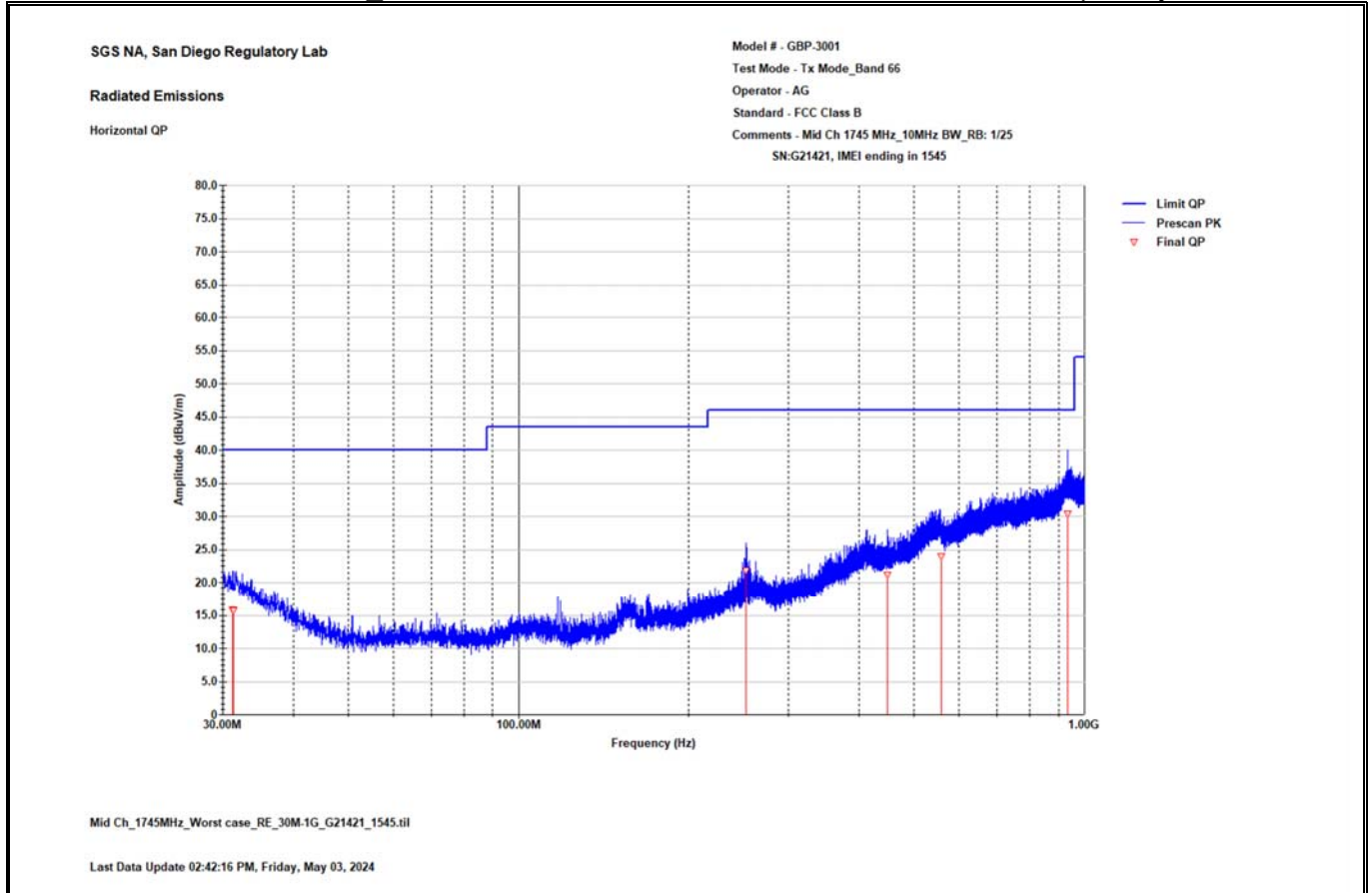
Mid Ch_1745MHz_Worst case_RE_30M-1G_G21421_1545.ttl

Last Data Update 02:24:04 PM, Friday, May 03, 2024

Quasi-Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
30.513	16.3	21.36	-23.7	40	281.1	325.8
45.997	7.59	13.4	-32.41	40	113.6	95.4
269.235	14.27	19.64	-31.73	46	100.3	-19.8
551.756	24.56	28.65	-21.44	46	106.1	9.9
809.695	28.53	31.39	-17.47	46	129.6	163.8
932.528	30.46	34.12	-15.54	46	224.8	109.9

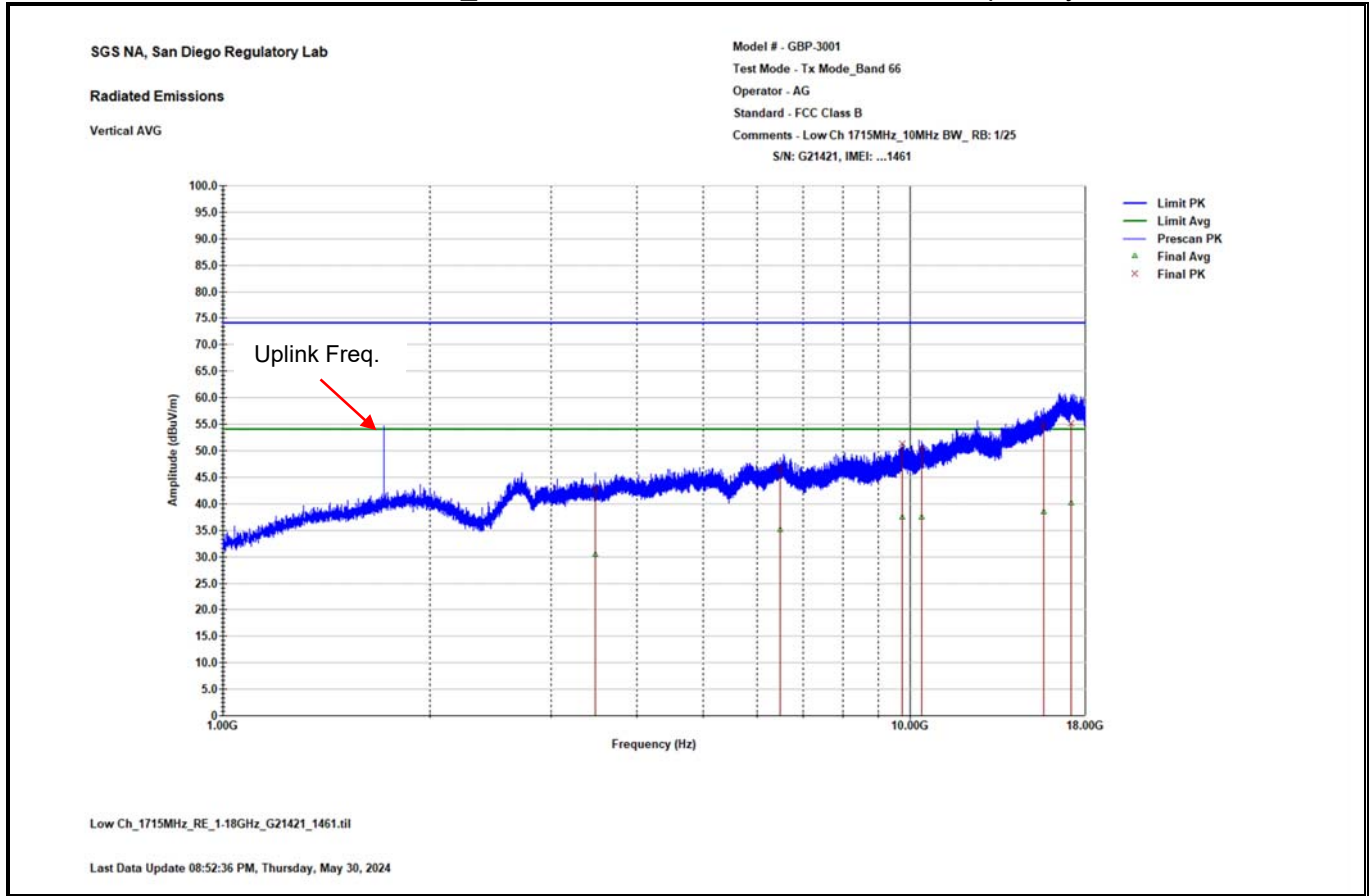
LTE Band 66_30MHz to 1GHz Worst-Case Mid Channel – Horizontal polarity



Quasi-Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
31.189	15.81	21.09	-24.19	40	366	94
31.369	15.77	20.98	-24.23	40	100	219
252.274	21.8	18.54	-24.2	46	137	55
448.11	21.17	24.14	-24.83	46	153	316
558.719	23.99	27.96	-22.01	46	106	270
934.154	30.38	34.17	-15.62	46	366	76

LTE Band 66_1GHz to 18GHz Low Channel – Vertical polarity



Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
3483.7	43.03	2.82	-30.97	74	236	280
6477.4	46.8	10.86	-27.2	74	150	240
9758.825	51.34	19.14	-22.66	74	179	74
10403.55	50.42	20.41	-23.58	74	150	189
15669.3	54.92	30.04	-19.08	74	357	235
17149.58	55.12	32.79	-18.88	74	202	257

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
3483.7	30.53	2.82	-23.47	54	236	280
6477.4	35.11	10.86	-18.89	54	150	240
9758.825	37.46	19.14	-16.54	54	179	74
10403.55	37.57	20.41	-16.43	54	150	189
15669.3	38.43	30.04	-15.57	54	357	235
17149.58	40.24	32.79	-13.76	54	202	257

Note: High peak was the uplink frequency, not subject to this test limit. Plot provided only for information purpose.

LTE Band 66_1GHz to 18GHz Low Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

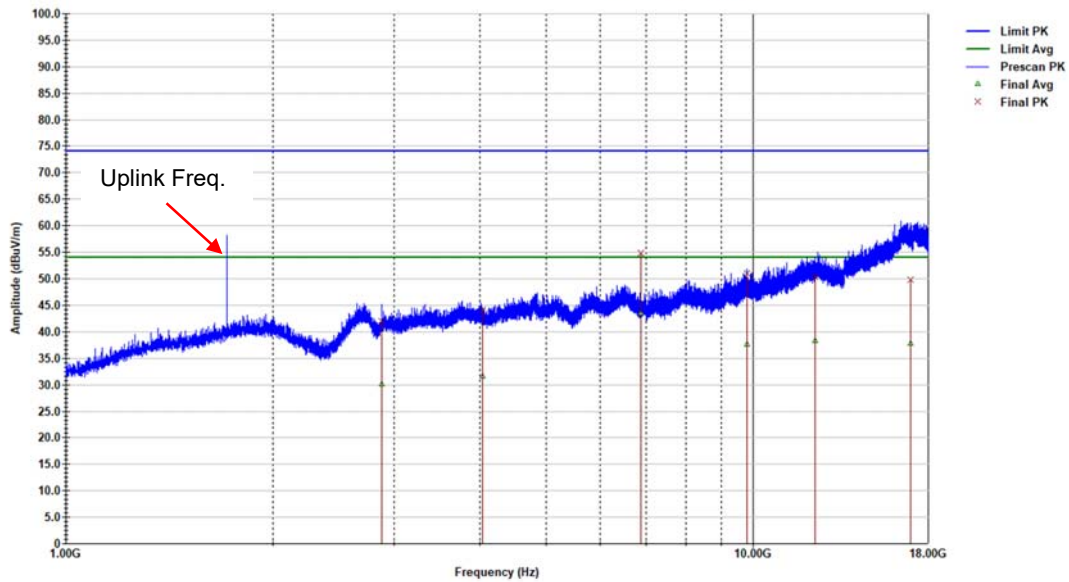
Test Mode - Tx Mode_Band 66

Operator - AG

Standard - FCC Class B

Comments - Low Ch 1715MHz_10MHz BW_RB: 1/25

S/N: G21421, IMEI: ...1461



Low Ch_1715MHz_RE_1-18GHz_G21421_1461.til

Last Data Update 08:52:39 PM, Thursday, May 30, 2024

Peak Data

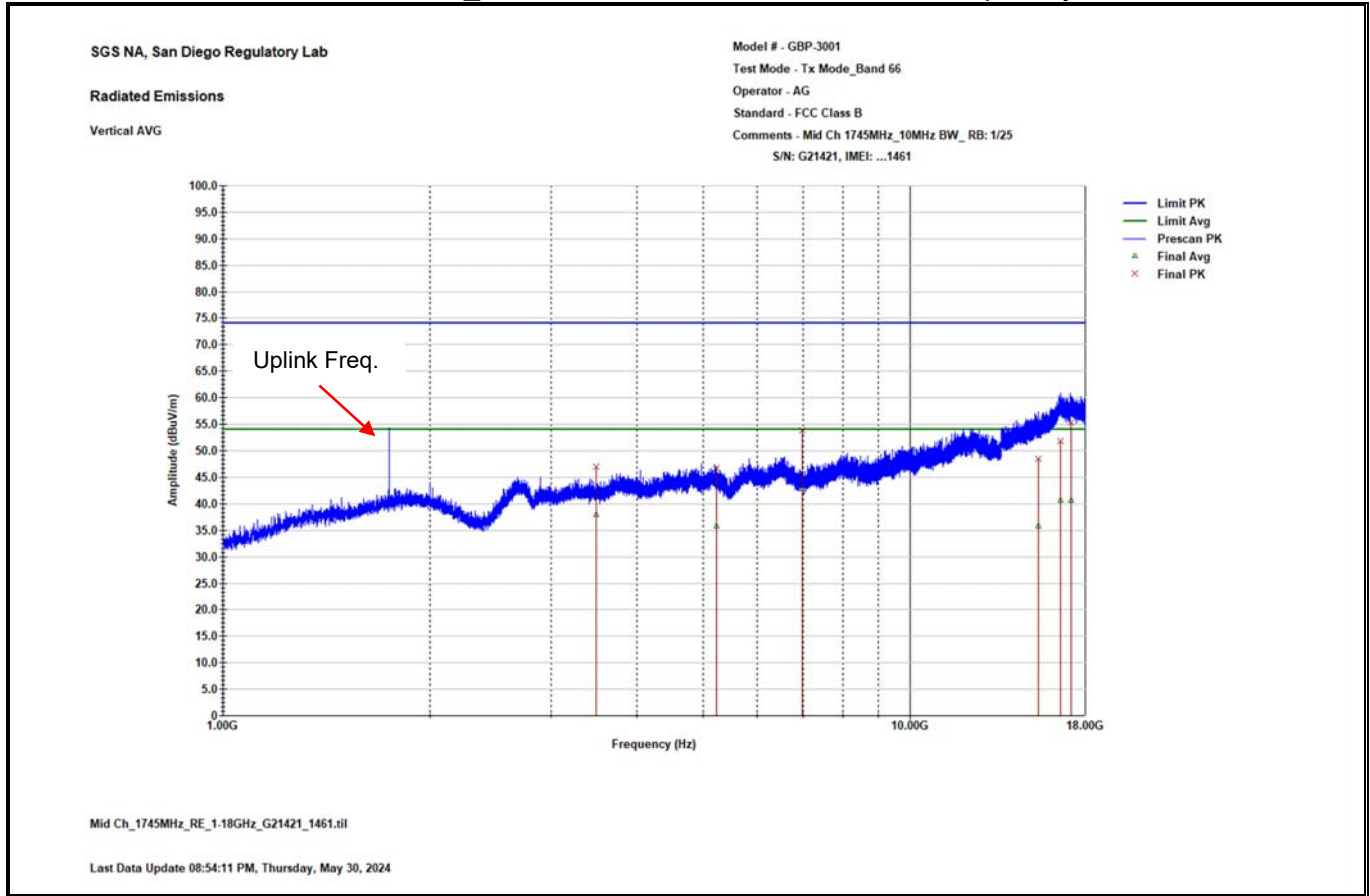
Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
2882.75	41.97	1.83	-32.03	74	150	339
4043.425	44.21	4.47	-29.79	74	233	318
6860.75	54.89	11.65	-19.11	74	194	157
9796.65	51.03	19.16	-22.97	74	171	75
12329.65	50.24	25.9	-23.76	74	225	187
16959.6	49.9	33.25	-24.1	74	202	107

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
2882.75	30.12	1.83	-23.88	54	150	339
4043.425	31.72	4.47	-22.28	54	233	318
6860.75	43.57	11.65	-10.43	54	194	157
9796.65	37.62	19.16	-16.38	54	171	75
12329.65	38.38	25.9	-15.62	54	225	187
16959.6	37.87	33.25	-16.13	54	202	107

Note: High peak was the uplink frequency, not subject to this test limit. Plot provided only for information purpose.

LTE Band 66_1GHz to 18GHz Mid Channel – Vertical polarity



Peak Data

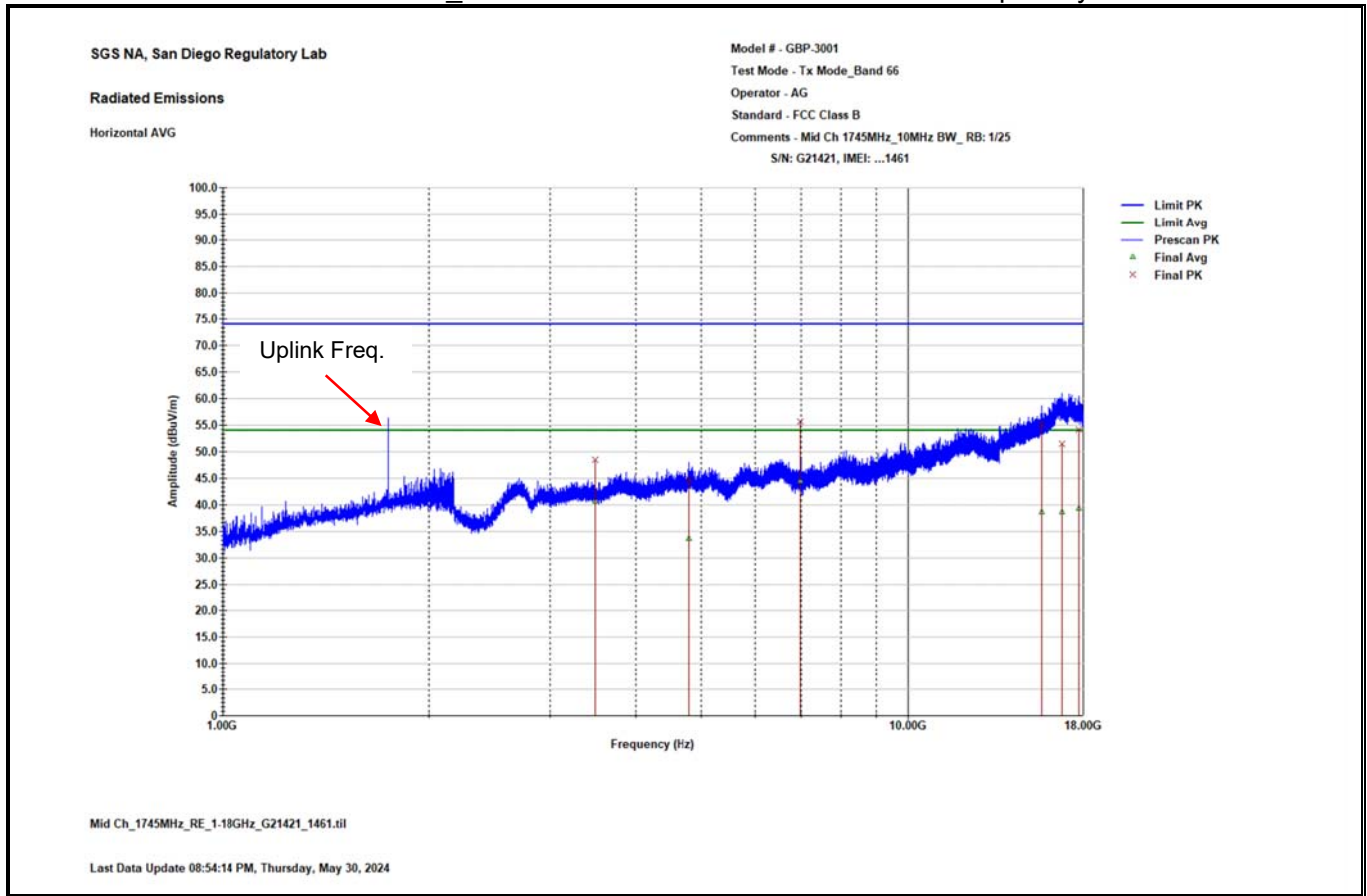
Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
3490.075	47	2.82	-27	74	150	128
5235	46.67	7.41	-27.33	74	349	361
6980.175	53.86	11.78	-20.14	74	150	108
15395.18	48.46	29.42	-25.54	74	150	204
16542.25	51.78	33.28	-22.22	74	171	134
17167.68	55.32	32.79	-18.68	74	303	212

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
3490.075	37.96	2.82	-16.04	54	150	128
5235	35.77	7.41	-18.23	54	349	361
6980.175	42.78	11.78	-11.22	54	150	108
15395.18	35.79	29.42	-18.21	54	150	204
16542.25	40.62	33.28	-13.38	54	171	134
17167.68	40.71	32.79	-13.29	54	303	212

Note: High peak was the uplink frequency, not subject to this test limit. Plot provided only for information purpose.

LTE Band 66_1GHz to 18GHz Mid Channel – Horizontal polarity



Peak Data

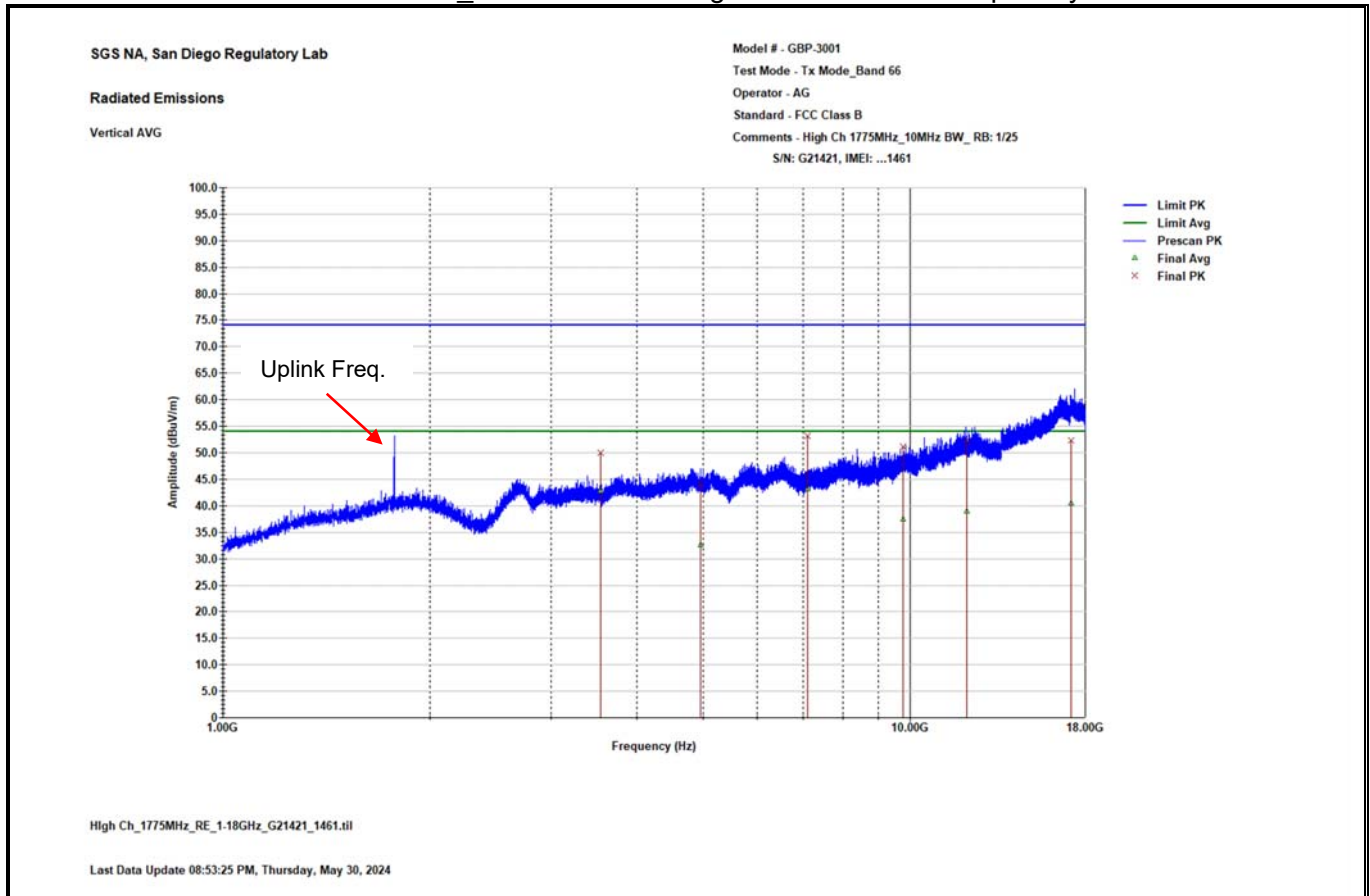
Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
3490.075	48.41	2.82	-25.59	74	150	141
4804.175	44.77	6.64	-29.23	74	316	42
6980.6	55.71	11.78	-18.29	74	150	149
15671.85	55.1	30.05	-18.9	74	273	-10
16761.12	51.48	33.57	-22.52	74	317	216
17734.38	54.15	31.9	-19.85	74	355	290

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
3490.075	40.63	2.82	-13.37	54	150	141
4804.175	33.68	6.64	-20.32	54	316	42
6980.6	44.55	11.78	-9.45	54	150	149
15671.85	38.59	30.05	-15.41	54	273	-10
16761.12	38.65	33.57	-15.35	54	317	216
17734.38	39.39	31.9	-14.61	54	355	290

Note: High peak was the uplink frequency, not subject to this test limit. Plot provided only for information purpose.

LTE Band 66_1GHz to 18GHz High Channel – Vertical polarity



Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3550.425	49.92	2.84	-24.08	74	400	127
4950.375	44.1	6.44	-29.9	74	358	12
7100.025	53.22	12.13	-20.78	74	150	99
9772.425	51.12	19.2	-22.88	74	287	-20
12105.25	52.31	25.47	-21.69	74	171	88
17159.78	52.27	32.79	-21.73	74	150	364

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3550.425	42.83	2.84	-11.17	54	400	127
4950.375	32.65	6.44	-21.35	54	358	12
7100.025	43.18	12.13	-10.82	54	150	99
9772.425	37.43	19.2	-16.57	54	287	-20
12105.25	39.01	25.47	-14.99	54	171	88
17159.78	40.5	32.79	-13.5	54	150	364

Note: High peak was the uplink frequency, not subject to this test limit. Plot provided only for information purpose.

LTE Band 66_1GHz to 18GHz High Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

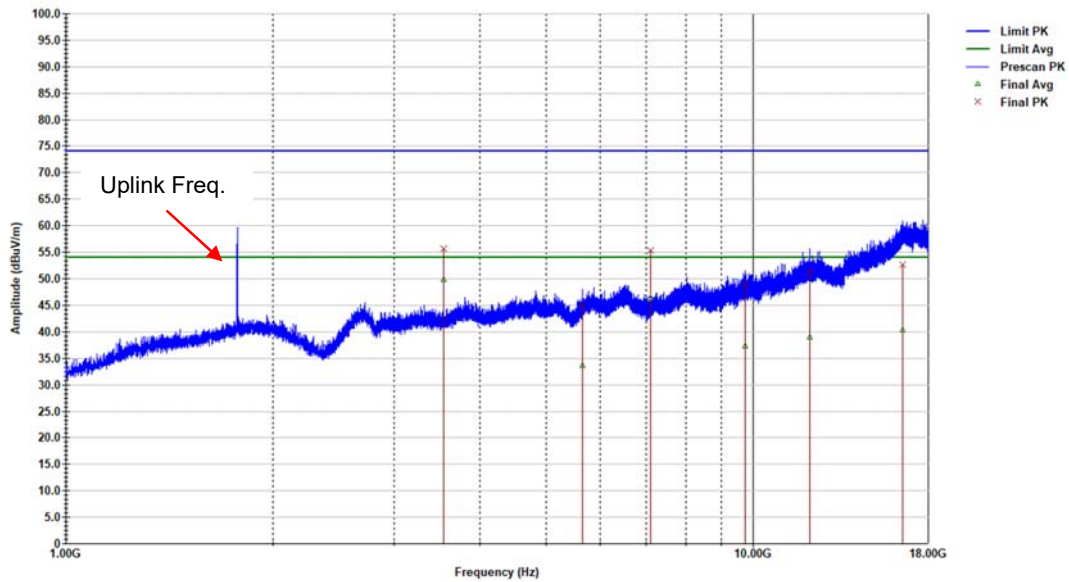
Test Mode - Tx Mode_Band 66

Operator - AG

Standard - FCC Class B

Comments - High Ch 1775MHz_10MHz BW_RB: 1/25

S/N: G21421, IMEI: ...1461



High Ch_1775MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 08:53:28 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
3550	55.69	2.84	-18.31	74	164	132
5655.45	45.24	8.95	-28.76	74	294	87
7100.025	55.28	12.13	-18.72	74	248	151
9755.85	48.94	19.12	-25.06	74	201	371
12105.25	51.42	25.47	-22.58	74	224	70
16541.4	52.68	33.28	-21.32	74	371	98

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
3550	49.83	2.84	-4.17	54	164	132
5655.45	33.7	8.95	-20.3	54	294	87
7100.025	46.28	12.13	-7.72	54	248	151
9755.85	37.27	19.12	-16.73	54	201	371
12105.25	39.01	25.47	-14.99	54	224	70
16541.4	40.38	33.28	-13.62	54	371	98

Note: High peak was the uplink frequency, not subject to this test limit. Plot provided only for information purpose.

LTE Band 71_30MHz to 1GHz Worst-Case Low Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical QP

Model # - GBP-3001

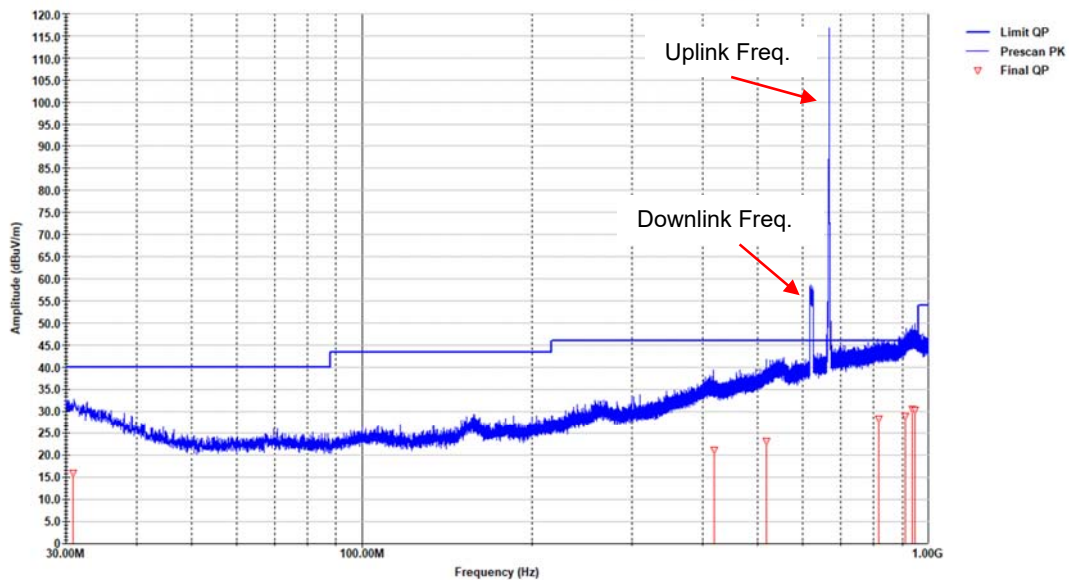
Test Mode - Tx Mode_Band 71

Operator - AG

Standard - FCC Class B

Comments - Low Ch 668MHz_10MHz BW_RB: 1/25

SN:G21421, IMEI ending in 1545



Low Ch_668MHz_Worst case_RE_30M-1G_G21421_1545.ttl

Last Data Update 03:12:52 PM, Friday, May 03, 2024

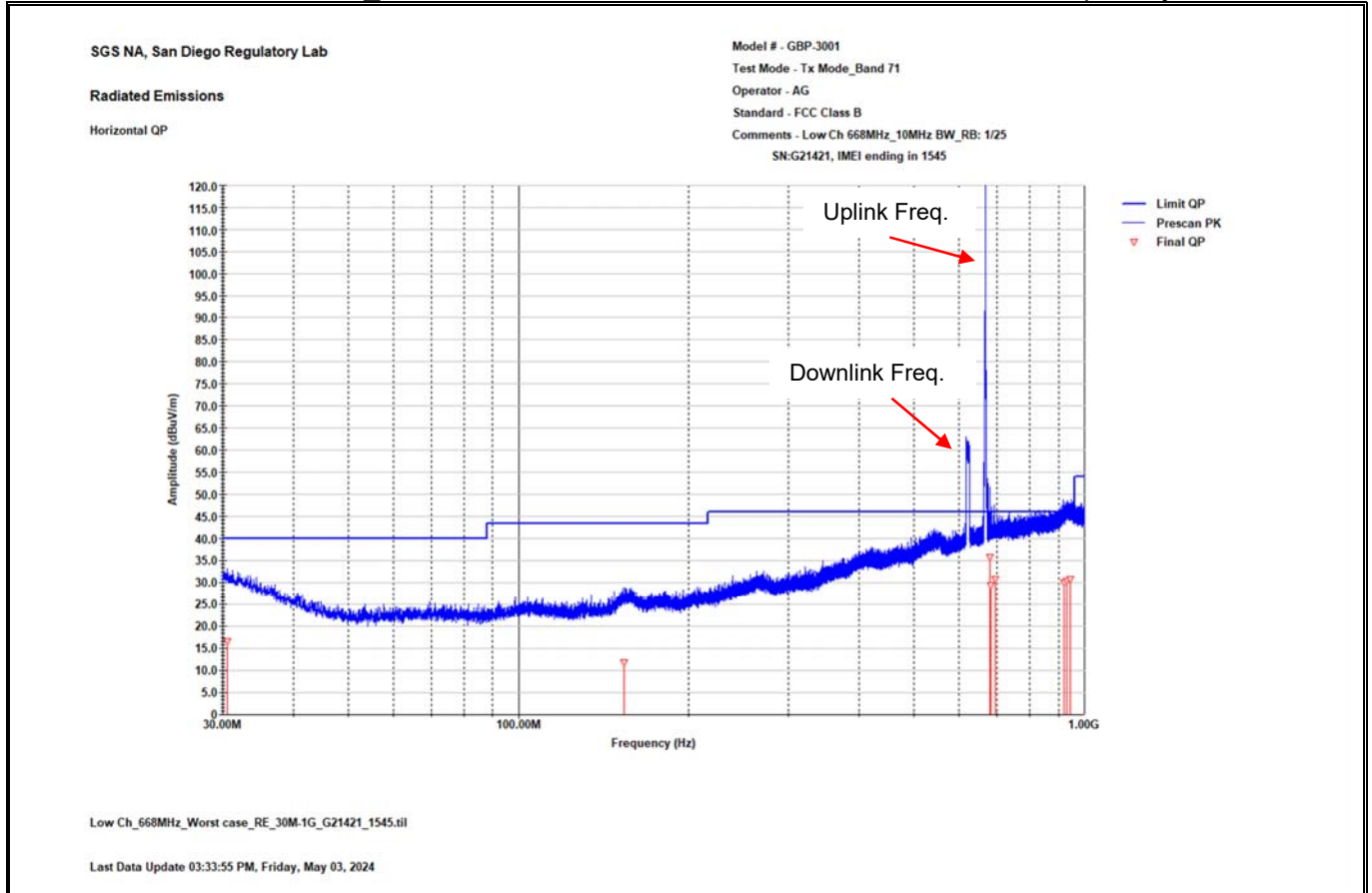
Quasi-Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
30.923	16.03	21.23	-23.97	40	121.2	206.9
419.002	21.12	24.5	-24.88	46	274.1	241.7
517.732	23.11	27.12	-22.89	46	371.1	301.1
816.479	28.41	31.4	-17.59	46	362.2	31.9
910.543	29.03	32.69	-16.97	46	100.3	284.6
936.181	30.59	34.2	-15.41	46	281.9	323.1
946.325	30.41	34.2	-15.59	46	346	110

Note: High peak was the uplink frequency, not subject to this test limit. Plot provided only for information purpose.

Note: High peak was the downlink frequency, not subject to this test limit. Plot provided only for information purpose.

LTE Band 71_30MHz to 1GHz Worst-Case Low Channel – Horizontal polarity



Quasi-Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
30.519	16.58	21.35	-23.42	40	100	74
153.527	11.73	16.31	-31.8	43.526	114	349
680.045	35.76	30.09	-10.24	46	100	160
683.135	29.41	30.29	-16.59	46	232	326
696.431	30.71	30.49	-15.29	46	100	149
920.157	29.95	33.41	-16.05	46	400	211
932.144	30.48	34.1	-15.52	46	239	-4
945.534	30.85	34.21	-15.15	46	232	82

Note: High peak was the uplink frequency, not subject to this test limit. Plot provided only for information purpose.

Note: High peak was the downlink frequency, not subject to this test limit. Plot provided only for information purpose.

LTE Band 71_1GHz to 18GHz Low Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

Model # - GBP-3001

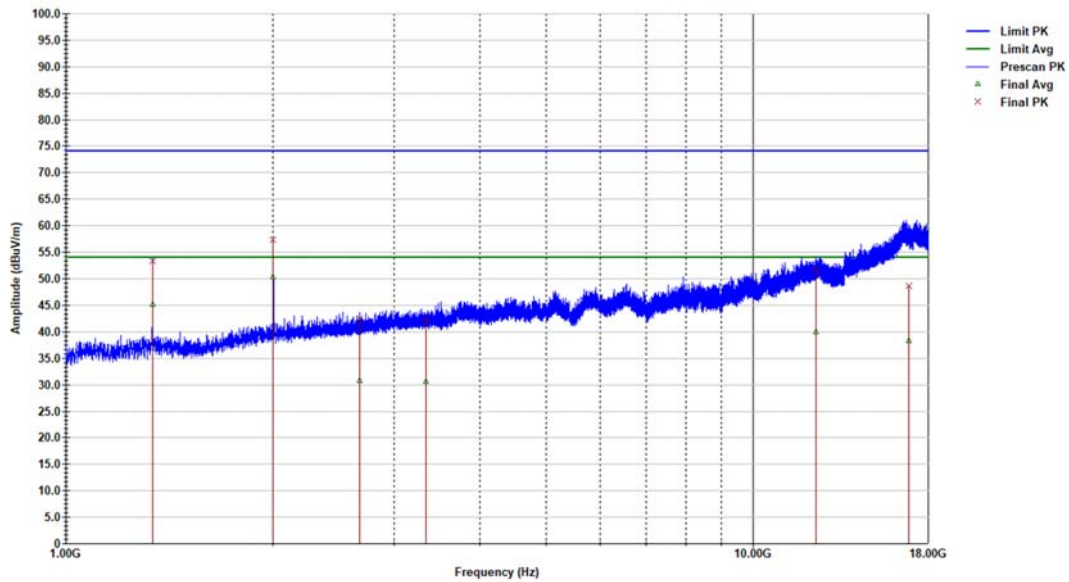
Test Mode - Tx Mode_Band 71

Operator - Eleazar

Standard - FCC Class B

Comments - Low Ch 668MHz_10MHz BW_RB: 1/25

S/N: G21421, IMEI: ...1461



Low Ch_668MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 08:55:37 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1336.175	53.31	-6.33	-20.69	74	220	306
2004.275	57.4	-1.83	-16.6	74	150	282
2672	42.54	0.98	-31.46	74	400	369
3340	42.34	2.48	-31.66	74	335	334
12353.45	51.89	25.91	-22.11	74	163	82
16874.18	48.62	33.47	-25.38	74	171	355

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1336.175	45.13	-6.33	-8.87	54	220	306
2004.275	50.32	-1.83	-3.68	54	150	282
2672	30.89	0.98	-23.11	54	400	369
3340	30.72	2.48	-23.28	54	335	334
12353.45	39.94	25.91	-14.06	54	163	82
16874.18	38.36	33.47	-15.64	54	171	355

LTE Band 71_1GHz to 18GHz Low Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

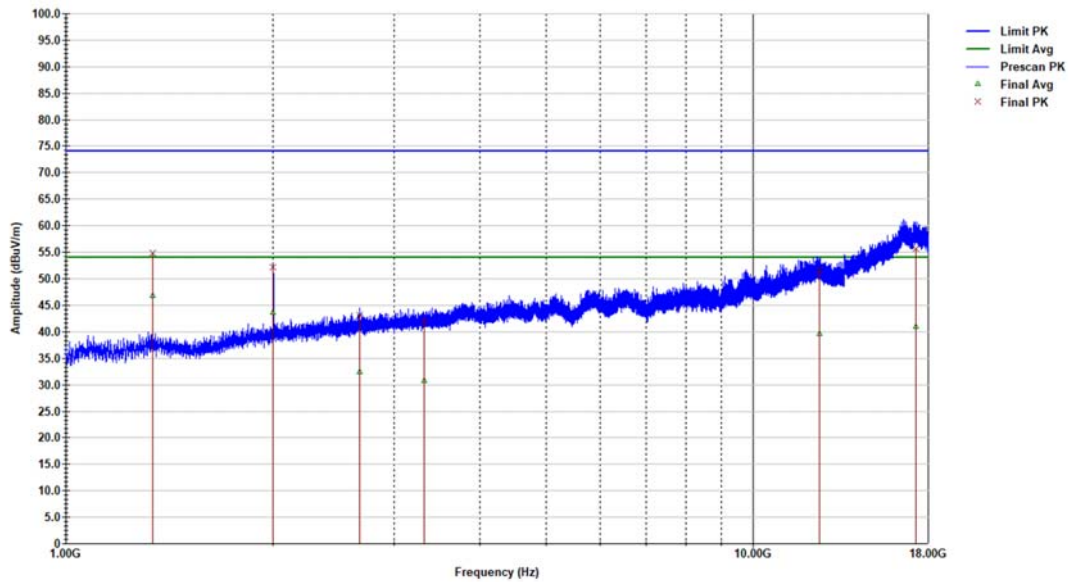
Test Mode - Tx Mode_Band 71

Operator - Eleazar

Standard - FCC Class B

Comments - Low Ch 668MHz_10MHz BW_RB: 1/25

S/N: G21421, IMEI: ...1461



Low Ch_668MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 08:55:39 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1336.175	54.81	-6.33	-19.19	74	372	66
2004.275	52.16	-1.83	-21.84	74	300	335
2672.375	43.14	0.98	-30.86	74	221	283
3324.75	42.1	2.48	-31.9	74	221	380
12517.07	51.67	26.03	-22.33	74	163	318
17266.45	55.62	32.61	-18.38	74	301	222

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1336.175	46.84	-6.33	-7.16	54	372	66
2004.275	43.68	-1.83	-10.32	54	300	335
2672.375	32.48	0.98	-21.52	54	221	283
3324.75	30.84	2.48	-23.16	54	221	380
12517.07	39.59	26.03	-14.41	54	163	318
17266.45	41.01	32.61	-12.99	54	301	222

LTE Band 71_1GHz to 18GHz Mid Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

Model # - GBP-3001

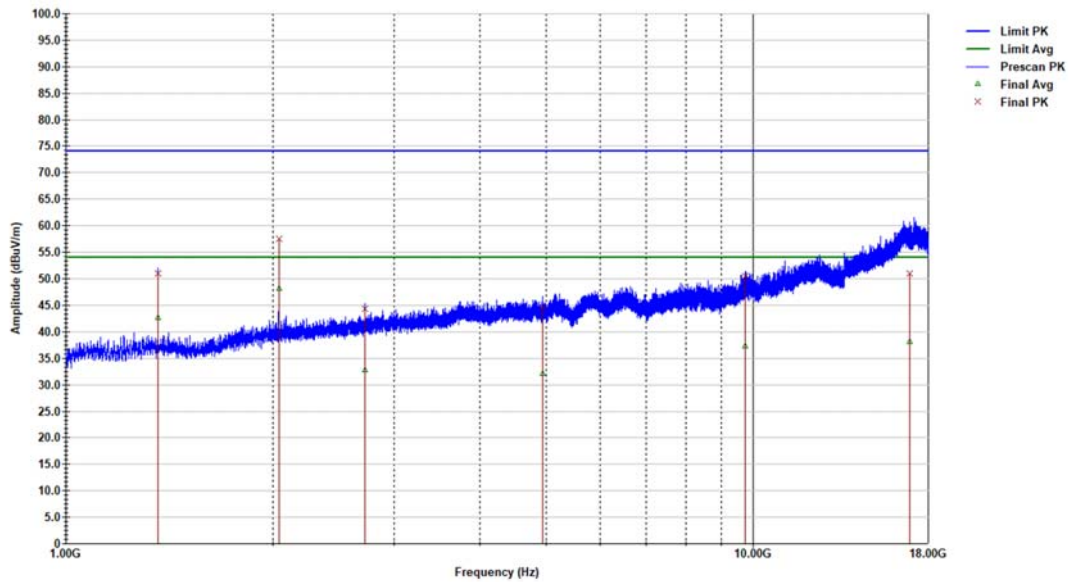
Test Mode - Tx Mode_Band 71

Operator - Eleazar

Standard - FCC Class B

Comments - Mid Ch 680.5MHz_10MHz BW_RB: 1/25

S/N: G21421, IMEI: ...1461



Mid Ch_680MHz_RE_1-18GHz_G21421_1461.iil

Last Data Update 08:56:19 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1360.825	51	-6.45	-23	74	150	293
2041.675	57.45	-1.76	-16.55	74	374	37
2722.1	44.4	1.25	-29.6	74	221	370
4948.675	44.61	6.43	-29.39	74	194	156
9731.625	50.56	18.98	-23.44	74	150	181
16891.6	51	33.45	-23	74	272	329

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1360.825	42.73	-6.45	-11.27	54	150	293
2041.675	48.14	-1.76	-5.86	54	374	37
2722.1	32.88	1.25	-21.12	54	221	370
4948.675	32.16	6.43	-21.84	54	194	156
9731.625	37.33	18.98	-16.67	54	150	181
16891.6	38.12	33.45	-15.88	54	272	329

LTE Band 71_1GHz to 18GHz Mid Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

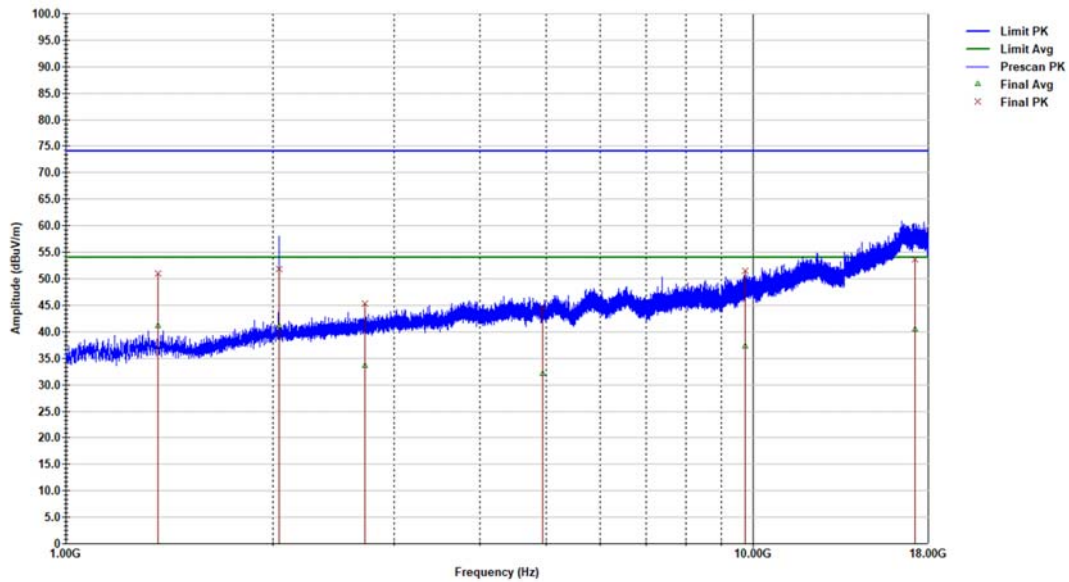
Test Mode - Tx Mode_Band 71

Operator - Eleazar

Standard - FCC Class B

Comments - Mid Ch 680.5MHz_10MHz BW_RB: 1/25

S/N: G21421, IMEI: ...1461



Mid Ch_680MHz_RE_1-18GHz_G21421_1461.iil

Last Data Update 08:56:23 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1361.25	51.06	-6.45	-22.94	74	221	61
2041.675	51.88	-1.76	-22.12	74	340	169
2722.1	45.36	1.25	-28.64	74	252	359
4948.675	44.56	6.43	-29.44	74	341	173
9731.625	51.55	18.98	-22.45	74	186	-6
17224.8	53.58	32.74	-20.42	74	271	327

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1361.25	41.18	-6.45	-12.82	54	221	61
2041.675	41.23	-1.76	-12.77	54	340	169
2722.1	33.67	1.25	-20.33	54	252	359
4948.675	32.15	6.43	-21.85	54	341	173
9731.625	37.32	18.98	-16.68	54	186	-6
17224.8	40.48	32.74	-13.52	54	271	327

LTE Band 71_1GHz to 18GHz_High Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

Model # - GBP-3001

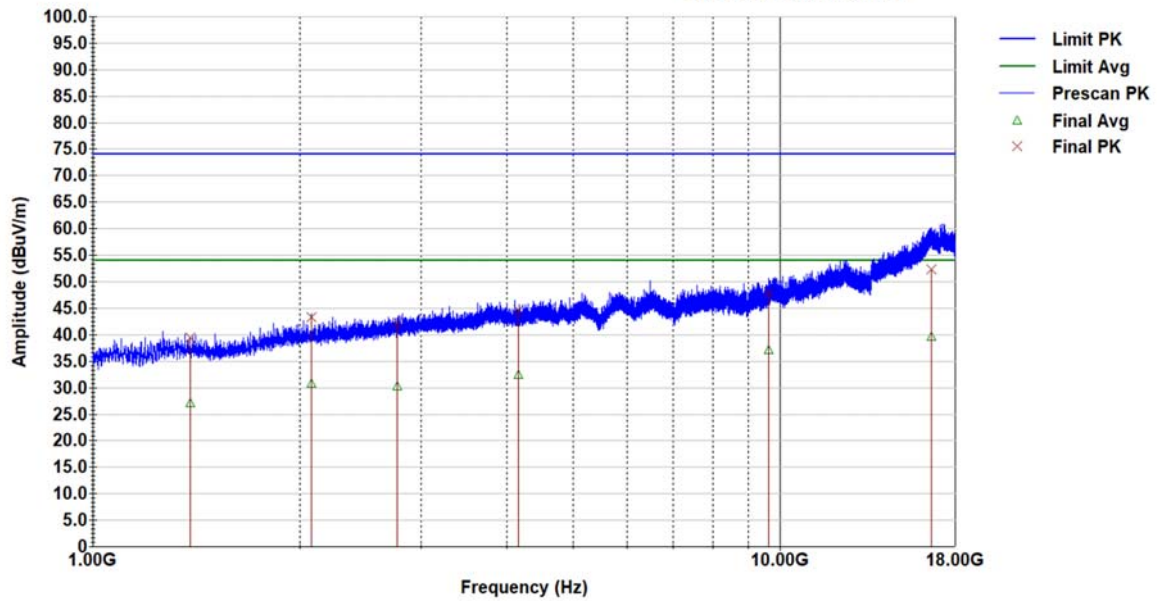
Test Mode - Tx Mode_Band 71

Operator - Eleazar

Standard - FCC Class B

Comments - High Ch 693MHz_10MHz BW_RB: 1/25

S/N: G21421, IMEI: ...1461



High Ch_693MHz_RE_1-18GHz_G21421_1461.til

Last Data Update 08:57:00 PM, Thursday, May 30, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1386	39.44	-6.32	-34.56	74	368	60
2079	43.32	-1.74	-30.68	74	400	-20
2772	42.4	1.43	-31.6	74	320	290
4158	44.59	4.88	-29.41	74	248	238
9640.25	48.06	18.67	-25.94	74	241	163
16639.15	52.31	33.63	-21.69	74	312	257

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1386	27.23	-6.32	-26.77	54	368	60
2079	30.78	-1.74	-23.22	54	400	-20
2772	30.26	1.43	-23.74	54	320	290
4158	32.55	4.88	-21.45	54	248	238
9640.25	37.23	18.67	-16.77	54	241	163
16639.15	39.6	33.63	-14.4	54	312	257

LTE Band 71_1GHz to 18GHz High Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

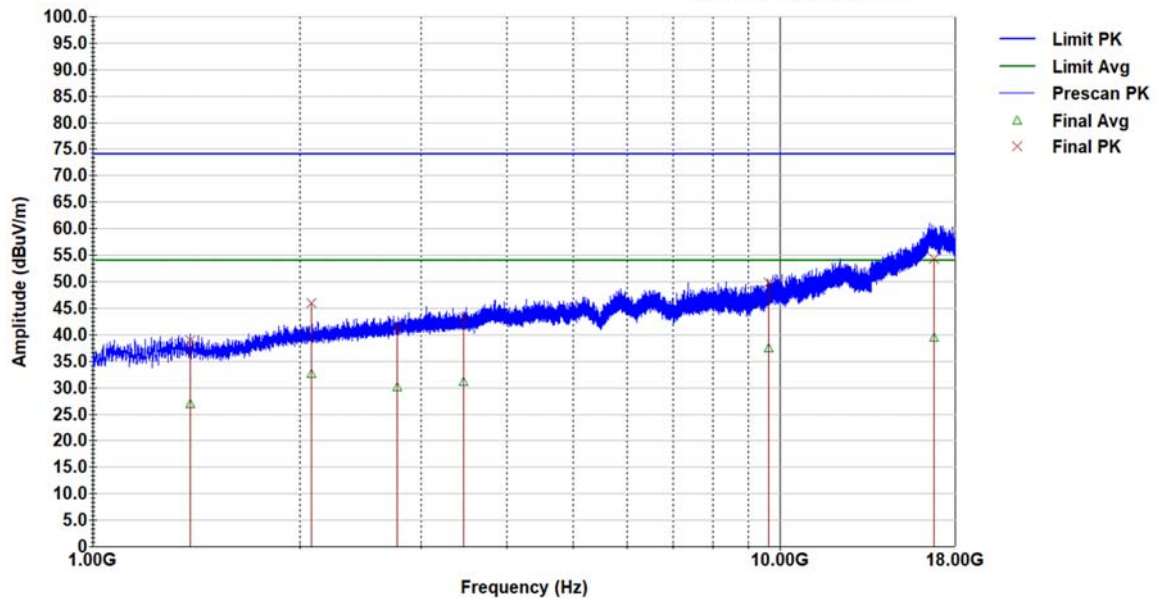
Test Mode - Tx Mode_Band 71

Operator - Eleazar

Standard - FCC Class B

Comments - High Ch 693MHz_10MHz BW_RB: 1/25

S/N: G21421, IMEI: ...1461



High Ch_693MHz_RE_1-18GHz_G21421_1461.til

Last Data Update 08:57:02 PM, Thursday, May 30, 2024

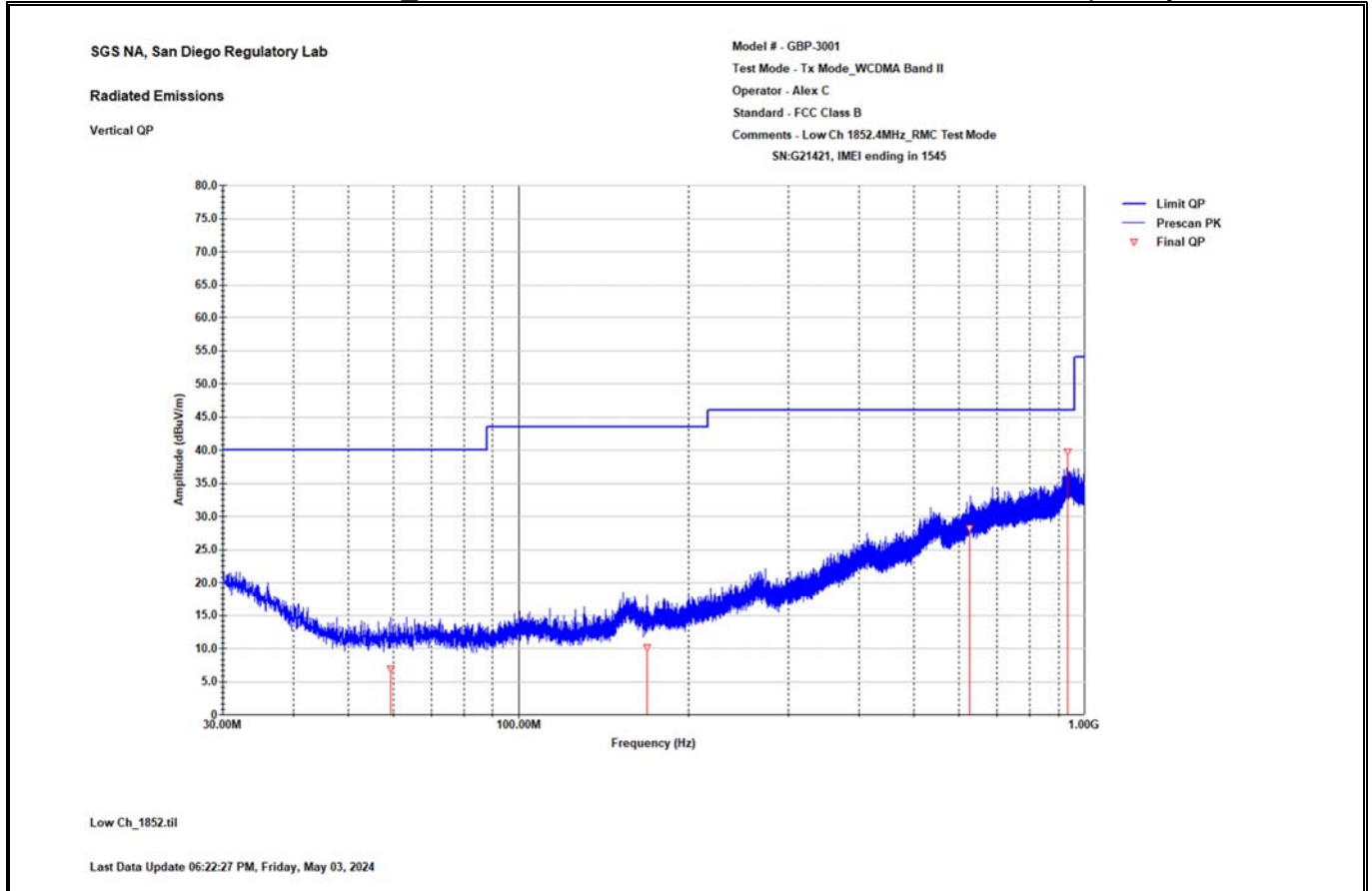
Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1386	39.07	-6.32	-34.93	74	164	108
2079	46.02	-1.74	-27.98	74	400	270
2772	41.57	1.43	-32.43	74	293	373
3465	43.32	2.78	-30.68	74	334	303
9621.55	49.75	18.66	-24.25	74	386	150
16754.33	54.26	33.57	-19.74	74	163	72

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1386	26.95	-6.32	-27.05	54	164	108
2079	32.73	-1.74	-21.27	54	400	270
2772	30.21	1.43	-23.79	54	293	373
3465	31.18	2.78	-22.82	54	334	303
9621.55	37.46	18.66	-16.54	54	386	150
16754.33	39.54	33.57	-14.46	54	163	72

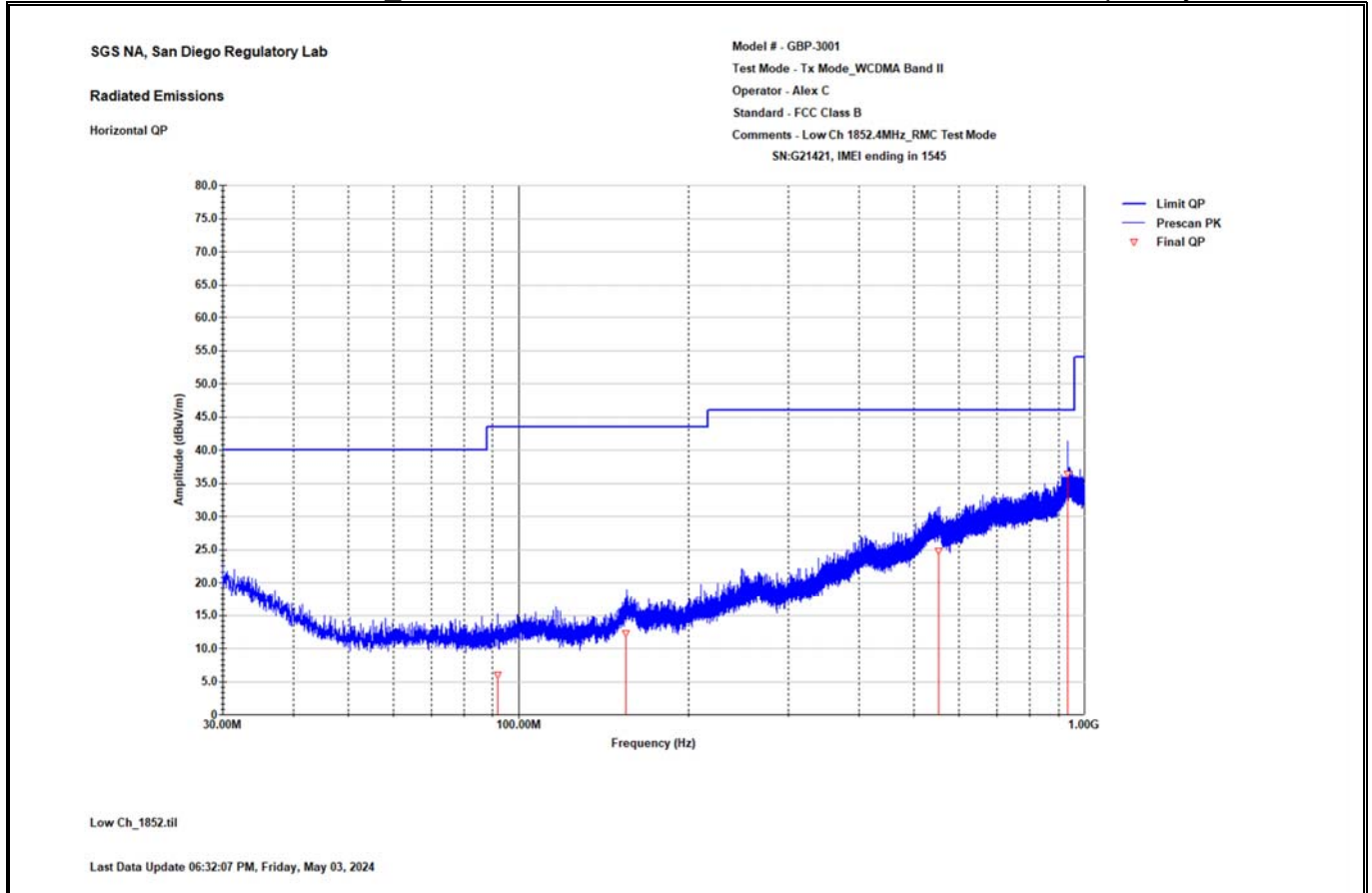
WCDMA Band II 30MHz to 1GHz Worst-Case Low Channel – Vertical polarity



Quasi-Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
59.514	6.98	12.56	-33.02	40	177.1	17.4
168.335	10.17	15.07	-33.36	43.531	312.8	291.2
627.264	28.23	29.22	-17.77	46	178.3	172.5
933.38	39.68	34.14	-6.32	46	105.7	229.2

WCDMA Band II 30MHz to 1GHz Worst-Case Low Channel – Horizontal polarity



Quasi-Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
91.948	6.06	12.77	-37.44	43.502	248	144
154.89	12.21	16.63	-31.32	43.526	137	329
552.814	24.74	28.76	-21.26	46	383	297
933.35	36.35	34.14	-9.65	46	106	22

WCDMA Band II_1GHz to 18GHz Low Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

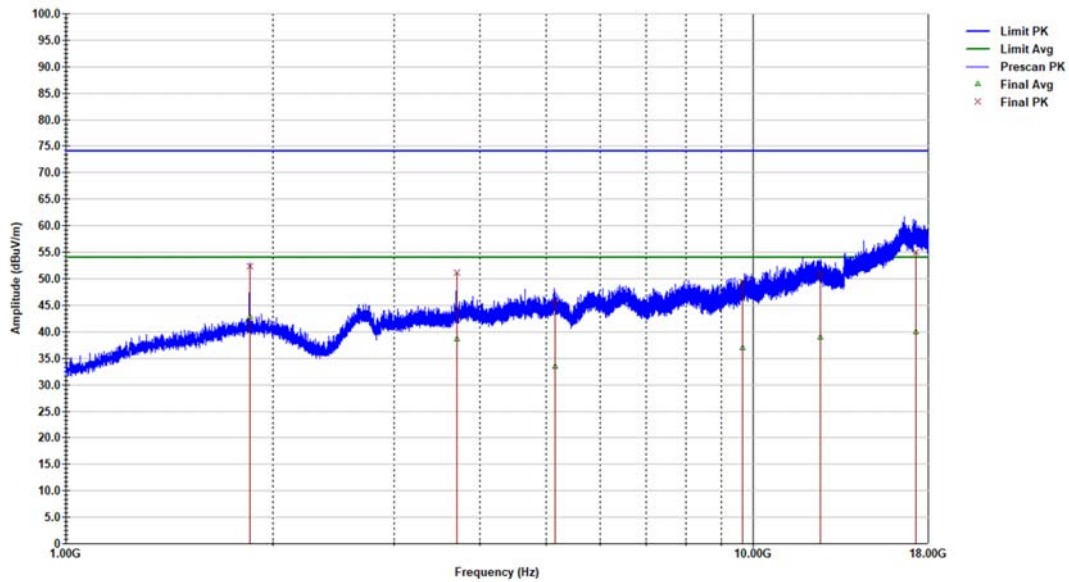
Model # - GBP-3001

Test Mode - Tx Mode_WCDMA Band II

Operator - Eleazar

Standard - FCC Class B

Comments - Low Ch 1852.4MHz_5MHz_S/N: G21421, IMEI: ...1461



Low Ch_1852MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 09:37:14 AM, Monday, June 03, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1851.275	52.4	-2.9	-21.6	74	289	154
3707.25	51.08	3.21	-22.92	74	202	114
5153.95	45.61	7.24	-28.39	74	264	238
9650.45	49.29	18.67	-24.71	74	296	118
12535.35	50.97	26.04	-23.03	74	150	306
17274.1	55.03	32.59	-18.97	74	350	321

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1851.275	42.81	-2.9	-11.19	54	289	154
3707.25	38.72	3.21	-15.28	54	202	114
5153.95	33.53	7.24	-20.47	54	264	238
9650.45	36.93	18.67	-17.07	54	296	118
12535.35	38.96	26.04	-15.04	54	150	306
17274.1	40.04	32.59	-13.96	54	350	321

WCDMA Band II 1GHz to 18GHz Low Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

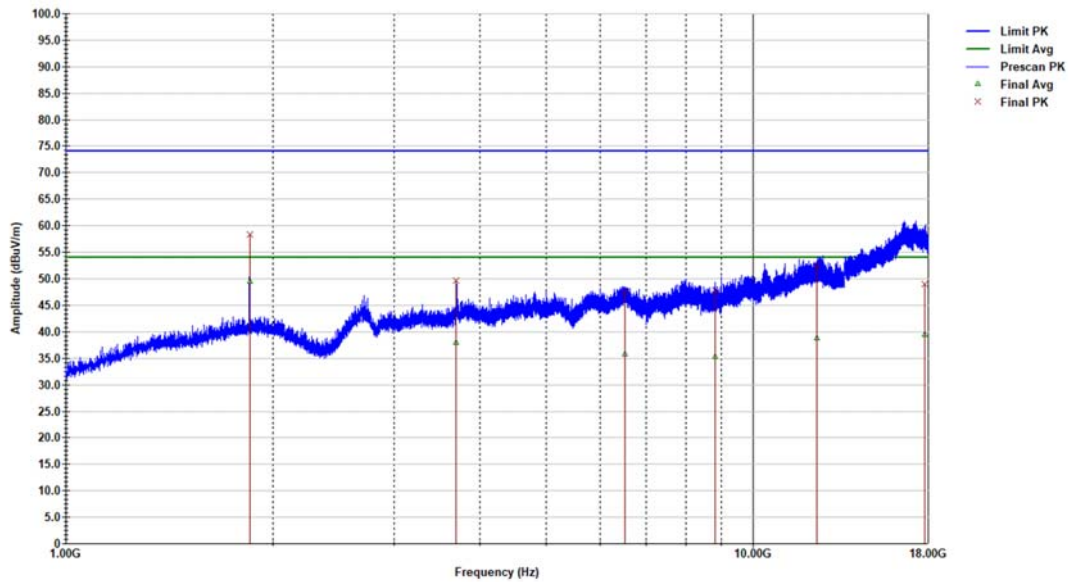
Test Mode - Tx Mode_WCDMA Band II

Operator - Eleazar

Standard - FCC Class B

Comments - Low Ch 1852.4MHz_5MHz_S/N: G21421, IMEI:

...1461



Low Ch_1852MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 09:37:17 AM, Monday, June 03, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1851.275	58.33	-2.9	-15.67	74	213	159
3702.15	49.67	3.2	-24.33	74	171	127
6514.8	47.45	10.98	-26.55	74	255	268
8803	47.84	16.49	-26.16	74	156	195
12373.43	52.5	25.91	-21.5	74	367	195
17761.57	48.93	31.87	-25.07	74	210	348

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1851.275	49.49	-2.9	-4.51	54	213	159
3702.15	37.92	3.2	-16.08	54	171	127
6514.8	35.84	10.98	-18.16	54	255	268
8803	35.33	16.49	-18.67	54	156	195
12373.43	38.85	25.91	-15.15	54	367	195
17761.57	39.54	31.87	-14.46	54	210	348

WCDMA Band II_1GHz to 18GHz Mid Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

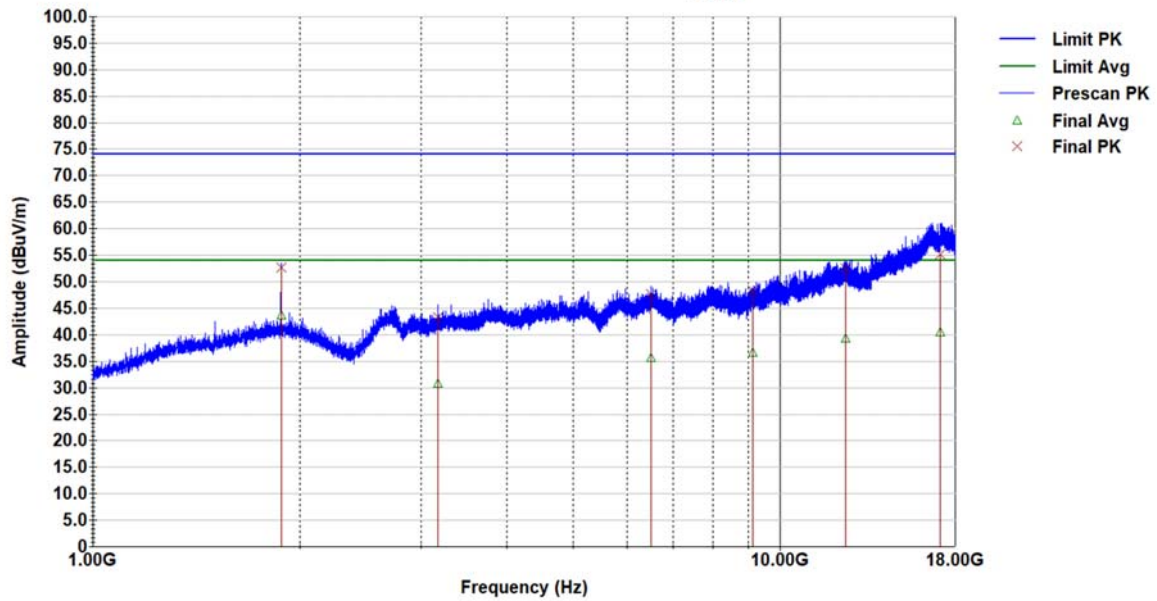
Model # - GBP-3001

Test Mode - Tx Mode_WCDMA Band II

Operator - Eleazar

Standard - FCC Class B

Comments - Mid Ch 1880MHz_5MHz_S/N: G21421, IMEI: ...1461



Mid Ch_1880MHz_RE_1-18GHz_G21421_1461.til

Last Data Update 09:39:10 AM, Monday, June 03, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1879.325	52.71	-2.65	-21.29	74	335	150
3173.875	43.27	2.24	-30.73	74	156	42
6491.425	47.74	10.9	-26.26	74	179	136
9118.775	48.32	17.38	-25.68	74	373	61
12462.25	52.41	25.98	-21.59	74	303	222
17114.73	55.16	32.77	-18.84	74	380	250

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1879.325	43.63	-2.65	-10.37	54	335	150
3173.875	30.77	2.24	-23.23	54	156	42
6491.425	35.62	10.9	-18.38	54	179	136
9118.775	36.62	17.38	-17.38	54	373	61
12462.25	39.37	25.98	-14.63	54	303	222
17114.73	40.47	32.77	-13.53	54	380	250

WCDMA Band II_1GHz to 18GHz Mid Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

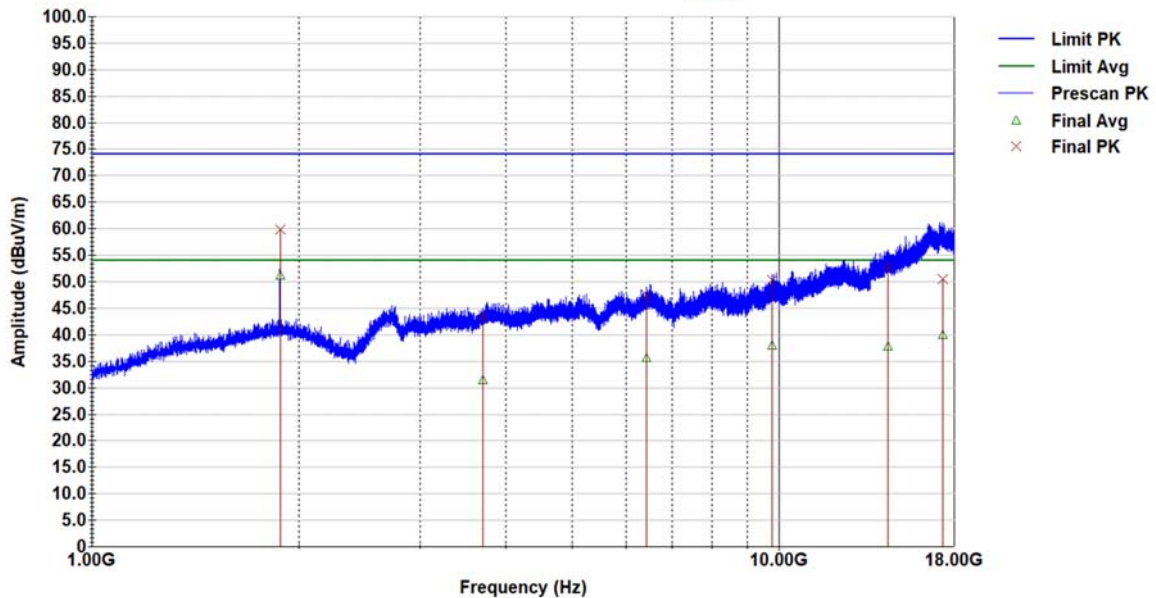
Test Mode - Tx Mode_WCDMA Band II

Operator - Eleazar

Standard - FCC Class B

Comments - Mid Ch 1880MHz_5MHz_S/N: G21421, IMEI:

...1461



Mid Ch_1880MHz_RE_1-18GHz_G21421_1461.til

Last Data Update 09:39:14 AM, Monday, June 03, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1879.325	59.82	-2.65	-14.18	74	340	171
3706.4	43.64	3.21	-30.36	74	278	238
6408.55	47.53	10.69	-26.47	74	347	363
9783.475	50.3	19.19	-23.7	74	302	9
14425.32	52.89	27.21	-21.11	74	155	45
17310.65	50.49	32.49	-23.51	74	310	182

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1879.325	51.22	-2.65	-2.78	54	340	171
3706.4	31.41	3.21	-22.59	54	278	238
6408.55	35.59	10.69	-18.41	54	347	363
9783.475	38.01	19.19	-15.99	54	302	9
14425.32	37.78	27.21	-16.22	54	155	45
17310.65	39.99	32.49	-14.01	54	310	182

WCDMA Band II_1GHz to 18GHz High Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

Model # - GBP-3001

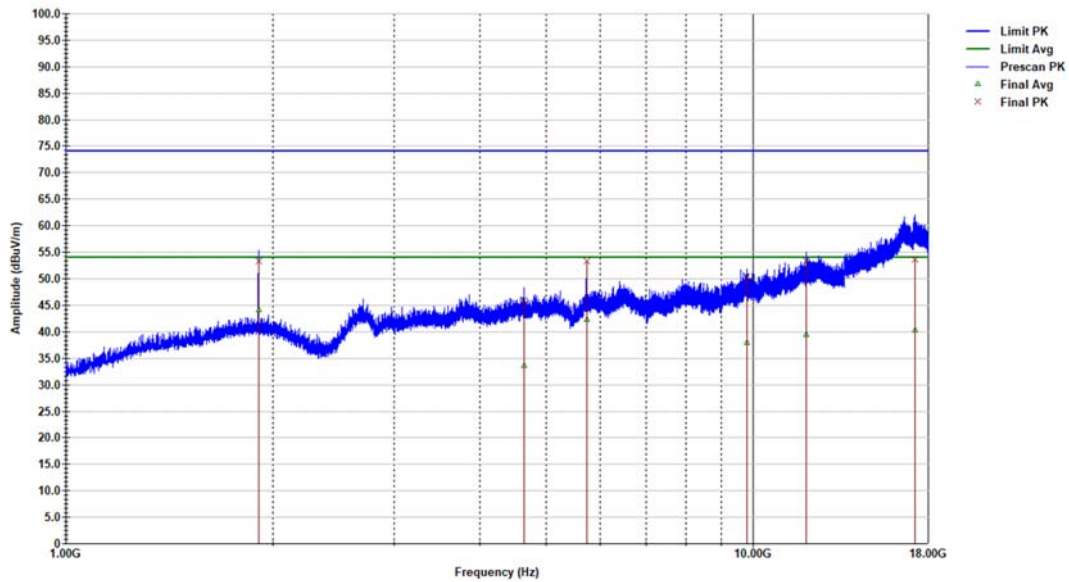
Test Mode - Tx Mode_WCDMA Band II

Operator - Eleazar

Standard - FCC Class B

Comments - High Ch 1907.6MHz_5MHz_S/N: G21421, IMEI:

...1461



High Ch_1907MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 09:40:19 AM, Monday, June 03, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1908.225	53.39	-2.39	-20.61	74	200	131
4642.675	45.93	6.44	-28.07	74	200	98
5726	53.24	9.15	-20.76	74	400	99
9792.4	50.35	19.17	-23.65	74	400	305
11955.65	53.39	25.15	-20.61	74	300	46
17201	53.64	32.81	-20.36	74	300	143

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1908.225	44.22	-2.39	-9.78	54	200	131
4642.675	33.62	6.44	-20.38	54	200	98
5726	42.4	9.15	-11.6	54	400	99
9792.4	37.99	19.17	-16.01	54	400	305
11955.65	39.44	25.15	-14.56	54	300	46
17201	40.29	32.81	-13.71	54	300	143

WCDMA Band II_1GHz to 18GHz High Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

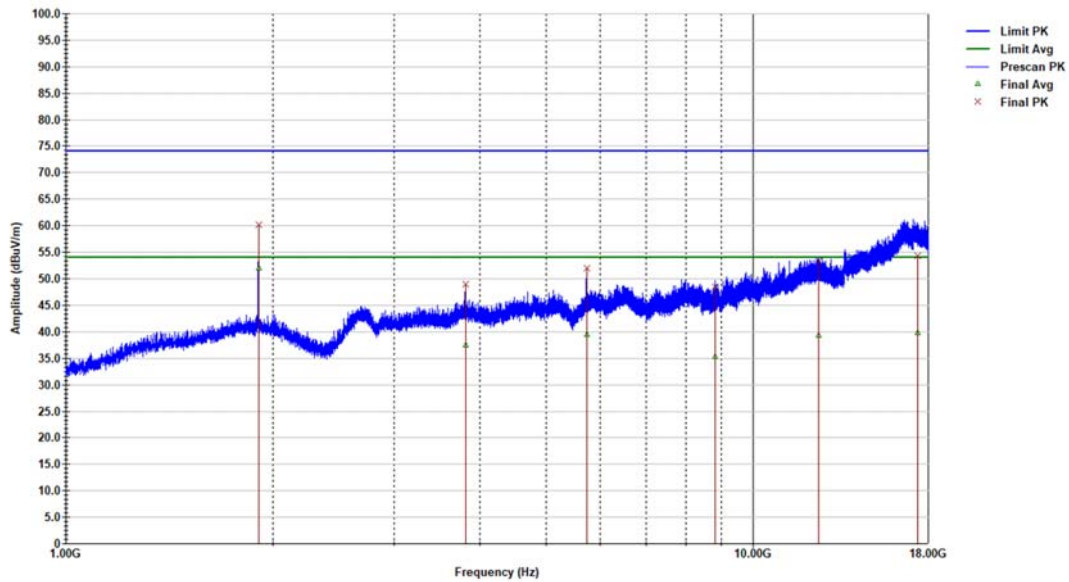
Test Mode - Tx Mode_WCDMA Band II

Operator - Eleazar

Standard - FCC Class B

Comments - High Ch 1907.6MHz_5MHz_S/N: G21421, IMEI:

...1461



High Ch_1907MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 09:40:22 AM, Monday, June 03, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1906.1	60.2	-2.41	-13.8	74	250	164
3817.75	49.02	3.66	-24.98	74	150	133
5726.425	52.06	9.15	-21.94	74	250	228
8810.65	48.56	16.5	-25.44	74	350	316
12461.83	53.24	25.98	-20.76	74	250	347
17352.3	54.27	32.38	-19.73	74	250	-20

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1906.1	52.01	-2.41	-1.99	54	250	164
3817.75	37.46	3.66	-16.54	54	150	133
5726.425	39.53	9.15	-14.47	54	250	228
8810.65	35.3	16.5	-18.7	54	350	316
12461.83	39.35	25.98	-14.65	54	250	347
17352.3	39.88	32.38	-14.12	54	250	-20

WCDMA Band IV_30MHz to 1GHz Worst-Case Low Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical QP

Model # - GBP-3001

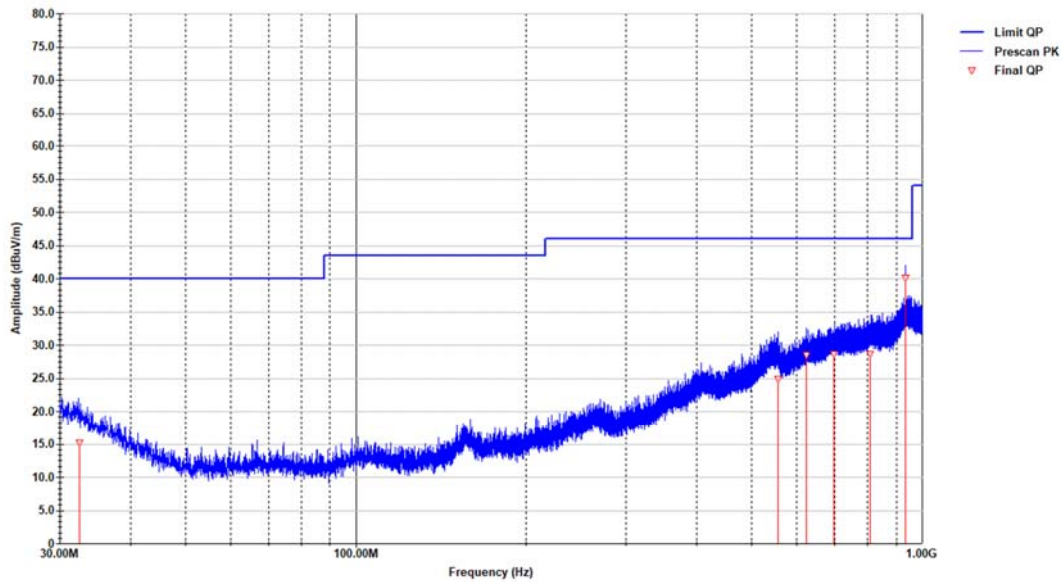
Test Mode - Tx Mode_WCDMA Band IV

Operator - AG

Standard - FCC Class B

Comments - Low Ch 1712.4MHz_RMC Test Mode

SN:G21421, IMEI ending in 1545



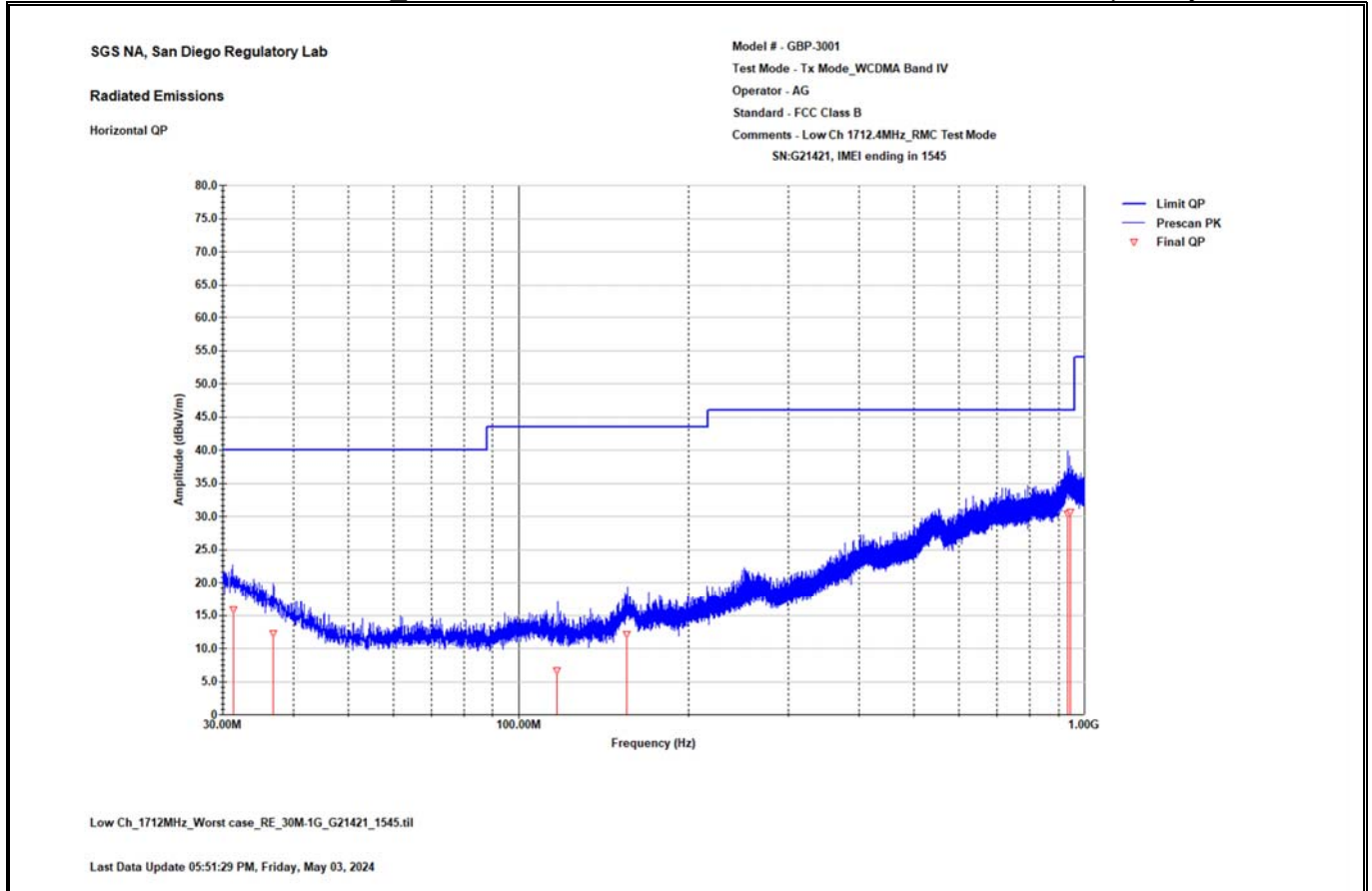
Low Ch_1712MHz_Worst case_RE_30M-1G_G21421_1545.ttl

Last Data Update 05:34:37 PM, Friday, May 03, 2024

Quasi-Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
32.43	15.21	20.35	-24.79	40	225.5	342.2
556.17	24.89	28.67	-21.11	46	121.6	110.4
624.085	28.47	29.06	-17.53	46	217.5	121.6
697.978	28.64	30.48	-17.36	46	240.7	44.6
809.262	28.7	31.38	-17.3	46	161.7	164.1
933.374	40.13	34.14	-5.87	46	169.9	225.9

WCDMA Band IV_30MHz to 1GHz Worst-Case Low Channel – Horizontal polarity



Quasi-Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
31.278	15.83	21.04	-24.17	40	366	324
36.853	12.21	17.74	-27.79	40	264	202
116.81	6.61	13.15	-36.9	43.511	264	301
155.191	12.13	16.68	-31.39	43.526	319	23
933.11	30.46	34.13	-15.54	46	106	129
944.463	30.69	34.22	-15.31	46	129	-2

WCDMA Band IV_1GHz to 18GHz Low Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

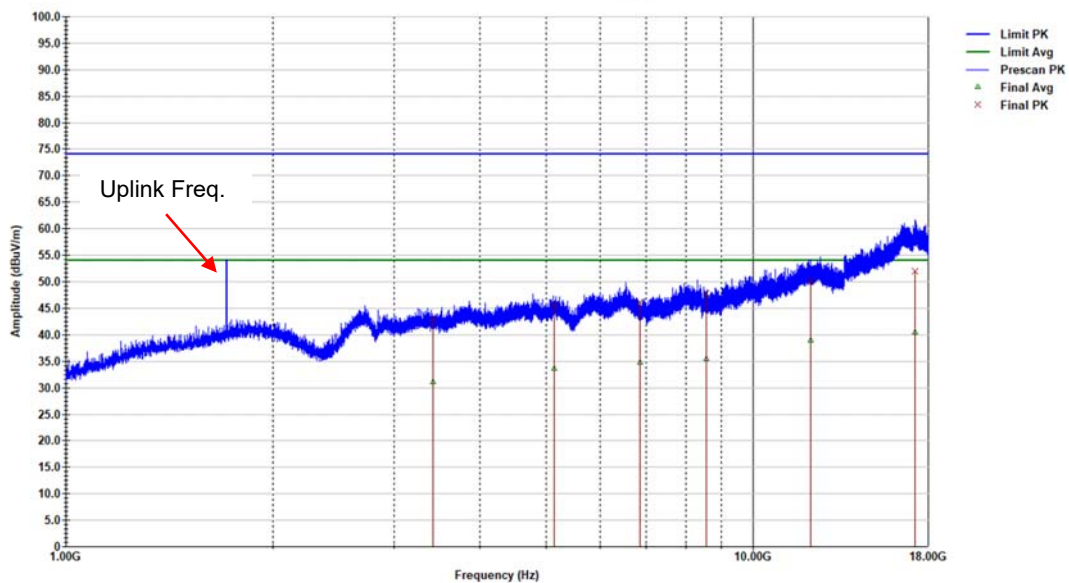
Model # - GBP-3001

Test Mode - Tx Mode_WCDMA Band IV

Operator - Eleazar

Standard - FCC Class B

Comments - Low Ch 1712.4MHz_5MHz_S/N: G21421, IMEI: ...1461



Low Ch_1712MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 09:42:05 AM, Monday, June 03, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3424	43.05	2.65	-30.95	74	310	302
5137.2	45.65	7.11	-28.35	74	295	190
6849.6	46.18	11.63	-27.82	74	218	111
8562	47.86	16.17	-26.14	74	310	137
12146.9	50.16	25.57	-23.84	74	150	156
17198.45	52.06	32.81	-21.94	74	400	159

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3424	31.2	2.65	-22.8	54	310	302
5137.2	33.58	7.11	-20.42	54	295	190
6849.6	34.81	11.63	-19.19	54	218	111
8562	35.56	16.17	-18.44	54	310	137
12146.9	38.97	25.57	-15.03	54	150	156
17198.45	40.47	32.81	-13.53	54	400	159

Note: Fundamental frequency high peak shown in the plot not part of spurious emission limits. Data provided for information purpose only

WCDMA Band IV_1GHz to 18GHz Low Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

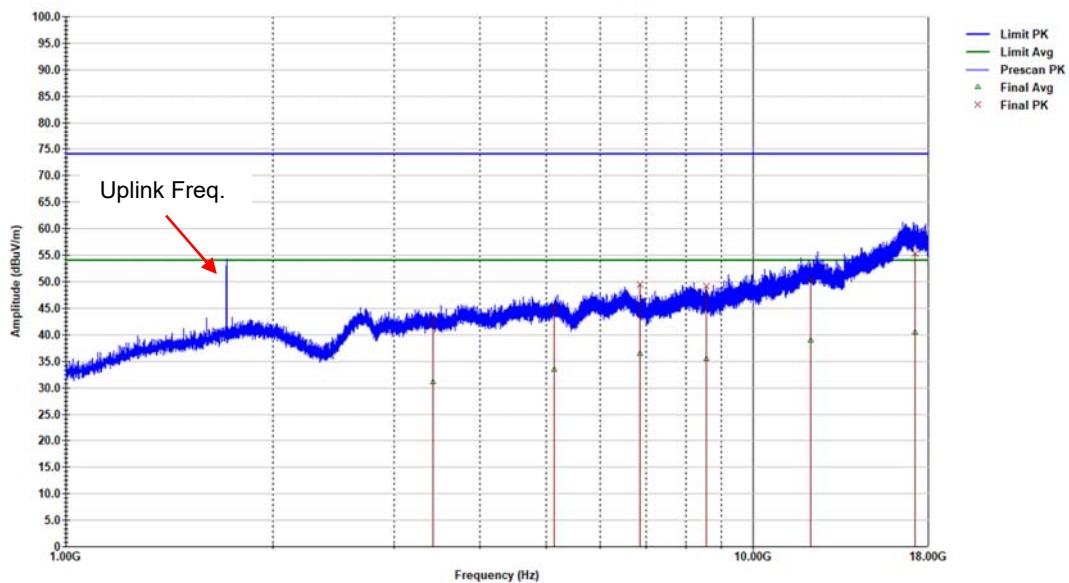
Model # - GBP-3001

Test Mode - Tx Mode_WCDMA Band IV

Operator - Eleazar

Standard - FCC Class B

Comments - Low Ch 1712.4MHz_5MHz_S/N: G21421, IMEI: ...1461



Low Ch_1712MHz_RE_1-18GHz_G21421_1461.til

Last Data Update 09:42:08 AM, Monday, June 03, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3424.8	42.63	2.65	-31.37	74	309	6
5137.2	45.13	7.11	-28.87	74	218	-3
6849.6	49.49	11.63	-24.51	74	201	155
8562	49.25	16.17	-24.75	74	370	346
12146.9	50.56	25.57	-23.44	74	155	295
17198.45	55.39	32.81	-18.61	74	294	125

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3424.8	31.14	2.65	-22.86	54	309	6
5137.2	33.57	7.11	-20.43	54	218	-3
6849.6	36.43	11.63	-17.57	54	201	155
8562	35.56	16.17	-18.44	54	370	346
12146.9	38.95	25.57	-15.05	54	155	295
17198.45	40.5	32.81	-13.5	54	294	125

Note: Fundamental frequency high peak shown in the plot not part of spurious emission limits. Data provided for information purpose only

WCDMA Band IV_1GHz to 18GHz Mid Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

Model # - GBP-3001

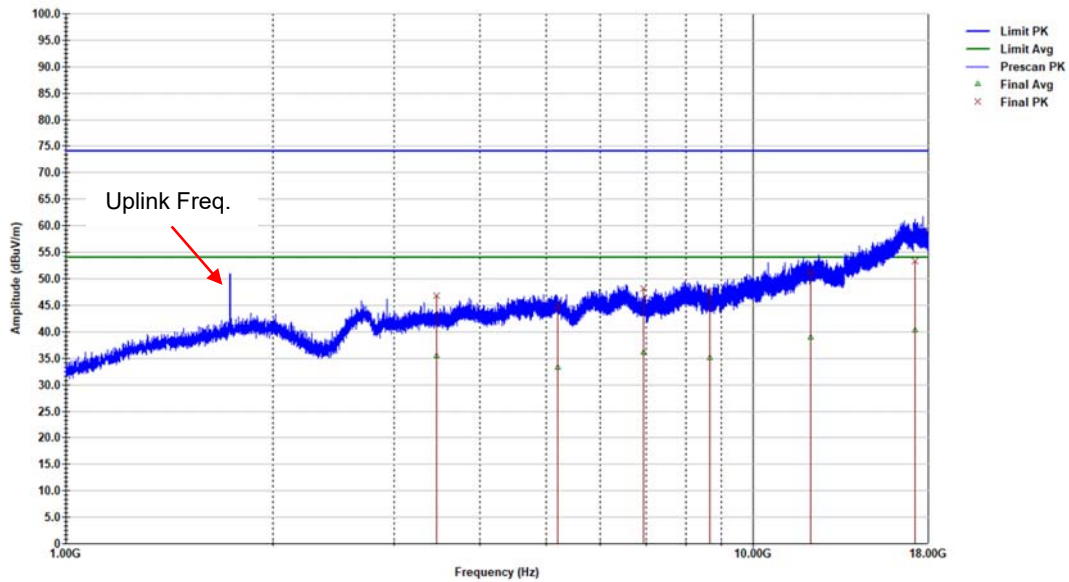
Test Mode - Tx Mode_WCDMA Band IV

Operator - Eleazar

Standard - FCC Class B

Comments - Mid Ch 1732.6MHz_5MHz_S/N: G21421, IMEI:

...1461



Mid Ch_1732MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 09:42:47 AM, Monday, June 03, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3466.7	46.75	2.79	-27.25	74	180	121
5197.8	45.02	7.36	-28.98	74	357	275
6930.4	48.17	11.73	-25.83	74	389	101
8663	47.61	16.09	-26.39	74	249	181
12146.9	51.33	25.57	-22.67	74	275	11
17198.45	53.34	32.81	-20.66	74	225	259

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3466.7	35.55	2.79	-18.45	54	180	121
5197.8	33.3	7.36	-20.7	54	357	275
6930.4	36.2	11.73	-17.8	54	389	101
8663	35.2	16.09	-18.8	54	249	181
12146.9	38.99	25.57	-15.01	54	275	11
17198.45	40.32	32.81	-13.68	54	225	259

Note: Fundamental frequency high peak shown in the plot not part of spurious emission limits. Data provided for information purpose only

WCDMA Band IV_1GHz to 18GHz Mid Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

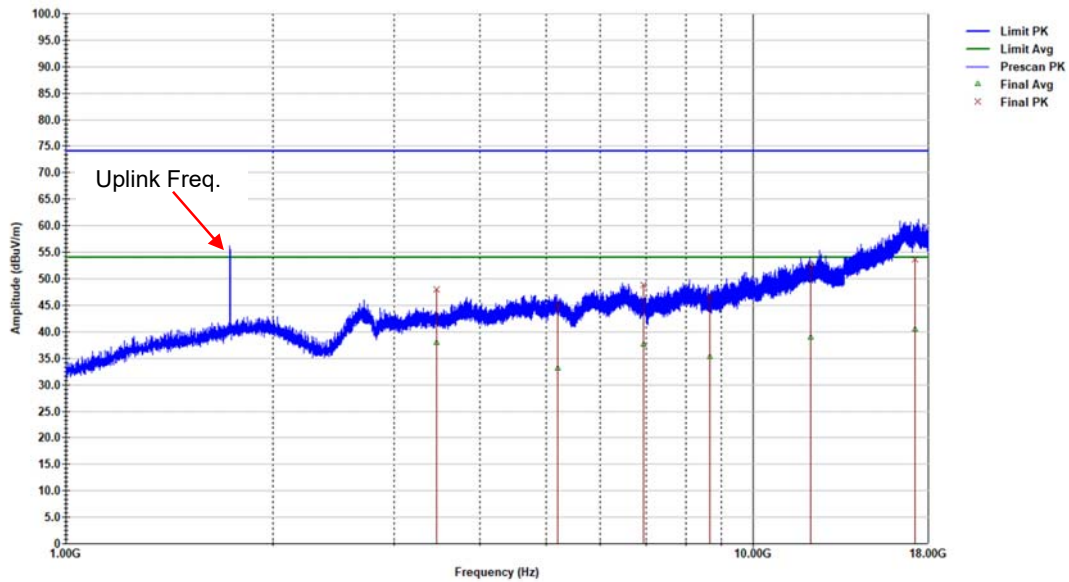
Test Mode - Tx Mode_WCDMA Band IV

Operator - Eleazar

Standard - FCC Class B

Comments - Mid Ch 1732.6MHz_5MHz_SIN: G21421, IMEI:

...1461



Mid Ch_1732MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 09:42:51 AM, Monday, June 03, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
3466.7	48.07	2.79	-25.93	74	204	132
5197.8	45.15	7.36	-28.85	74	363	360
6930.4	48.79	11.73	-25.21	74	150	165
8663	46.65	16.09	-27.35	74	194	169
12146.9	52.58	25.57	-21.42	74	255	227
17198.45	53.62	32.81	-20.38	74	241	117

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
3466.7	38.02	2.79	-15.98	54	204	132
5197.8	33.13	7.36	-20.87	54	363	360
6930.4	37.67	11.73	-16.33	54	150	165
8663	35.37	16.09	-18.63	54	194	169
12146.9	38.91	25.57	-15.09	54	255	227
17198.45	40.47	32.81	-13.53	54	241	117

Note: Fundamental frequency high peak shown in the plot not part of spurious emission limits. Data provided for information purpose only

WCDMA Band IV_1GHz to 18GHz High Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

Model # - GBP-3001

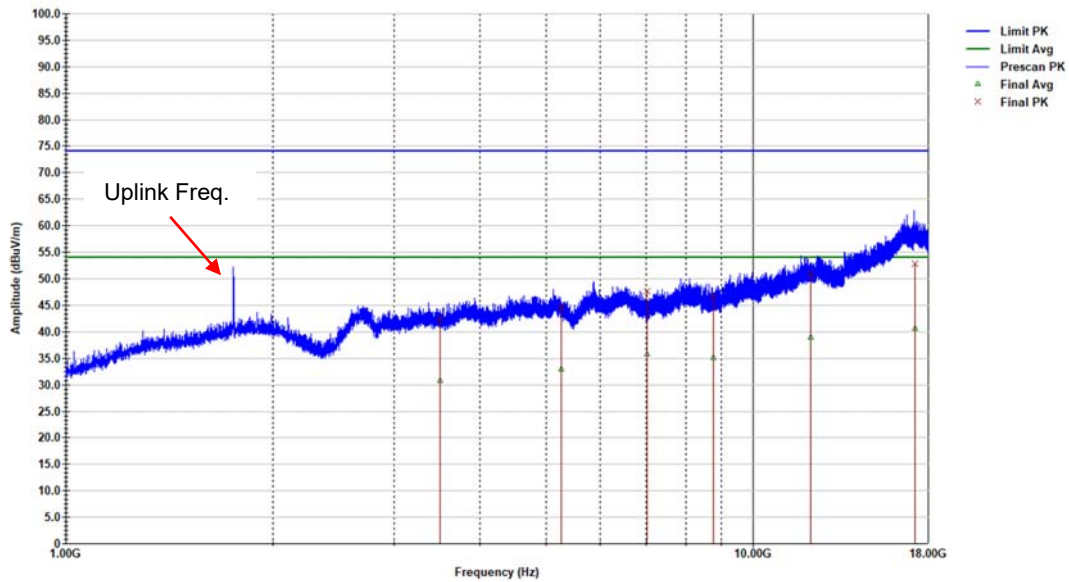
Test Mode - Tx Mode_WCDMA Band IV

Operator - Eleazar

Standard - FCC Class B

Comments - High Ch 1752.6MHz_5MHz_S/N: G21421, IMEI:

...1461



High Ch_1752MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 09:43:38 AM, Monday, June 03, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3505.2	42.48	2.83	-31.52	74	367	195
5257.8	44.89	7.41	-29.11	74	400	310
7010.4	47.66	11.86	-26.34	74	156	108
8763	46.89	16.39	-27.11	74	264	-14
12146.9	50.93	25.57	-23.07	74	365	316
17198.45	52.86	32.81	-21.14	74	237	168

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3505.2	30.85	2.83	-23.15	54	367	195
5257.8	33.06	7.41	-20.94	54	400	310
7010.4	35.84	11.86	-18.16	54	156	108
8763	35.16	16.39	-18.84	54	264	-14
12146.9	38.95	25.57	-15.05	54	365	316
17198.45	40.6	32.81	-13.4	54	237	168

Note: Fundamental frequency high peak shown in the plot not part of spurious emission limits. Data provided for information purpose only

WCDMA Band IV_1GHz to 18GHz High Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

Model # - GBP-3001

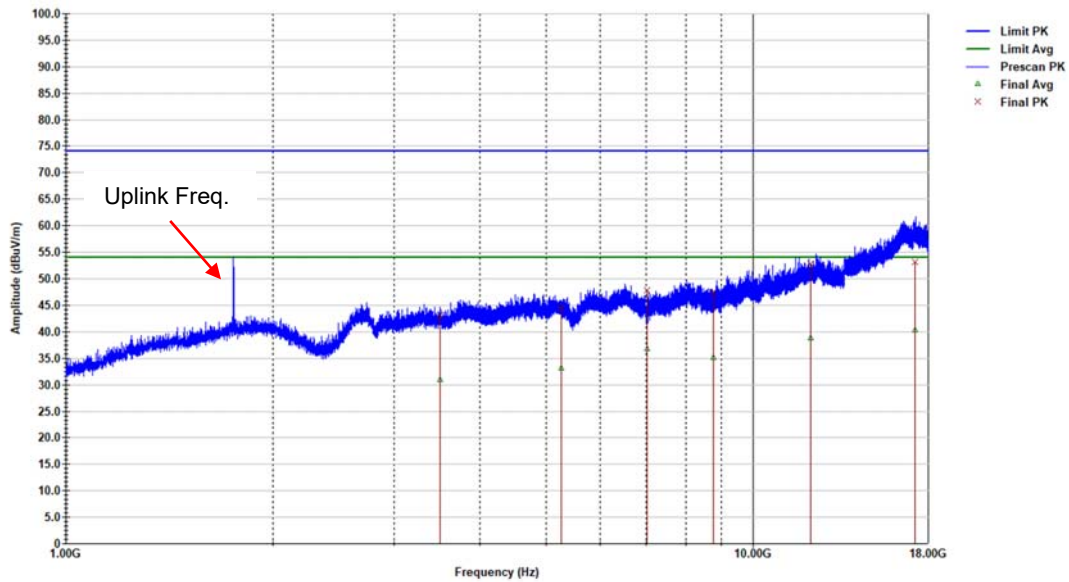
Test Mode - Tx Mode_WCDMA Band IV

Operator - Eleazar

Standard - FCC Class B

Comments - High Ch 1752.6MHz_5MHz_S/N: G21421, IMEI:

...1461



High Ch_1752MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 09:43:41 AM, Monday, June 03, 2024

Peak Data

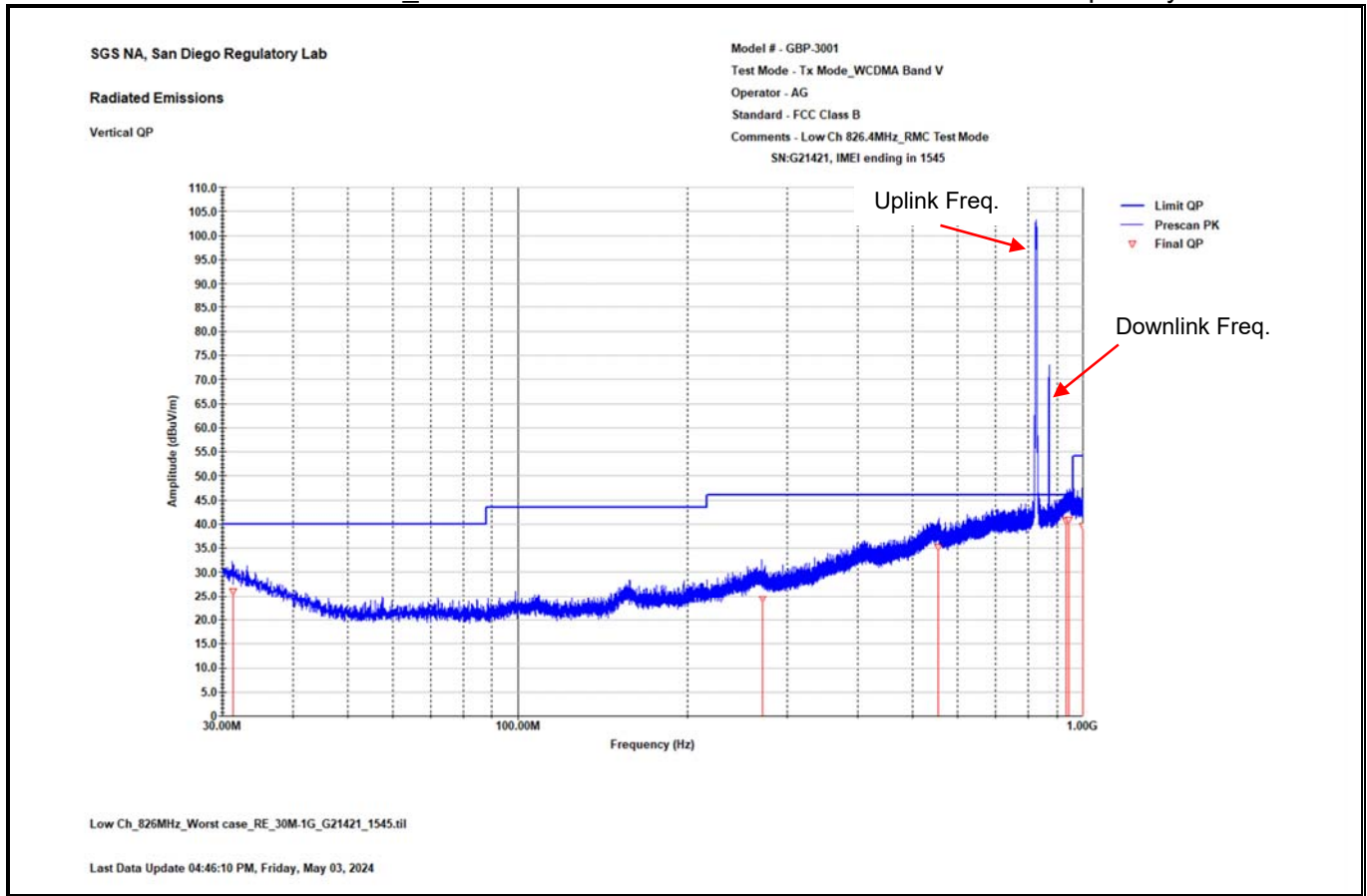
Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3505.2	43.14	2.83	-30.86	74	380	322
5257.8	44.64	7.41	-29.36	74	255	110
7010.4	47.9	11.86	-26.1	74	209	152
8763	47.53	16.39	-26.47	74	379	46
12146.9	52.82	25.57	-21.18	74	400	-20
17198.45	53.17	32.81	-20.83	74	155	109

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
3505.2	30.92	2.83	-23.08	54	380	322
5257.8	33.12	7.41	-20.88	54	255	110
7010.4	36.8	11.86	-17.2	54	209	152
8763	35.15	16.39	-18.85	54	379	46
12146.9	38.81	25.57	-15.19	54	400	-20
17198.45	40.34	32.81	-13.66	54	155	109

Note: Fundamental frequency high peak shown in the plot not part of spurious emission limits. Data provided for information purpose only

WCDMA Band V_30MHz to 1GHz Worst-Case Low Channel – Vertical polarity



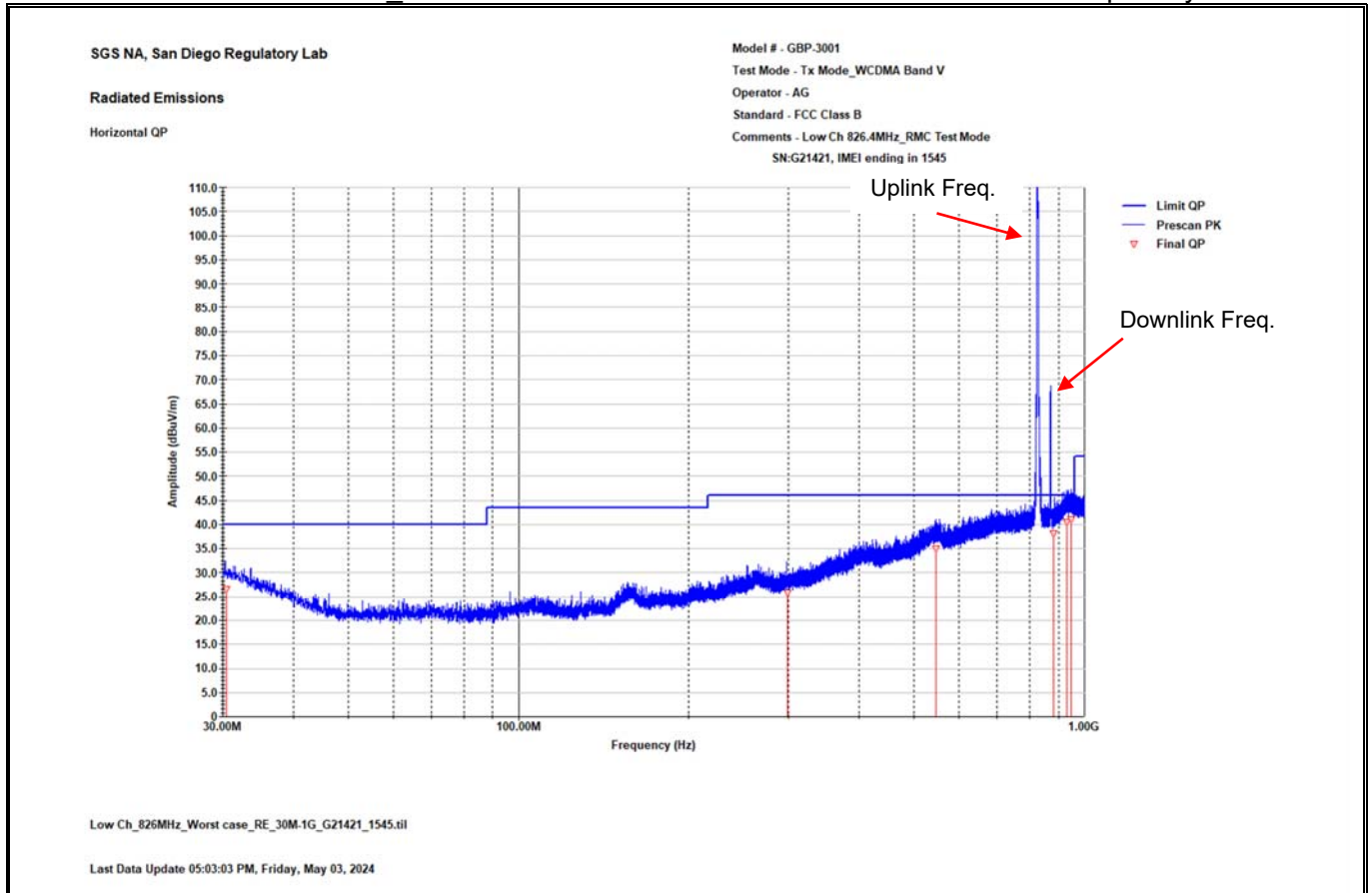
Quasi-Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
31.369	25.95	20.98	-14.05	40	100.3	275.6
270.622	24.44	19.54	-21.56	46	106.1	34
554.56	35.13	28.95	-10.87	46	121.6	183.5
933.087	40.69	34.13	-5.31	46	337	145.9
944.503	40.97	34.22	-5.03	46	257.7	333.6
998.89	39.64	33.04	-14.36	54	320.4	280.7

Note: High peak was the uplink frequency, not subject to this test limit. Plot provided only for information purpose.

Note: High peak was the downlink frequency, not subject to this test limit. Plot provided only for information purpose.

WCDMA Band V 30MHz to 1GHz Worst-Case Low Channel – Horizontal polarity



Quasi-Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
30.442	26.61	21.37	-13.39	40	122	190
298.302	25.82	19.15	-20.18	46	122	351
546.102	34.99	28.63	-11.01	46	392	60
881.52	38.13	31.43	-7.87	46	201	13
929.332	40.44	34.01	-5.56	46	318	-14
947.563	41.02	34.17	-4.98	46	216	253

Note: High peak was the uplink frequency, not subject to this test limit. Plot provided only for information purpose.

Note: High peak was the downlink frequency, not subject to this test limit. Plot provided only for information purpose.

WCDMA Band V_1GHz to 18GHz Low Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

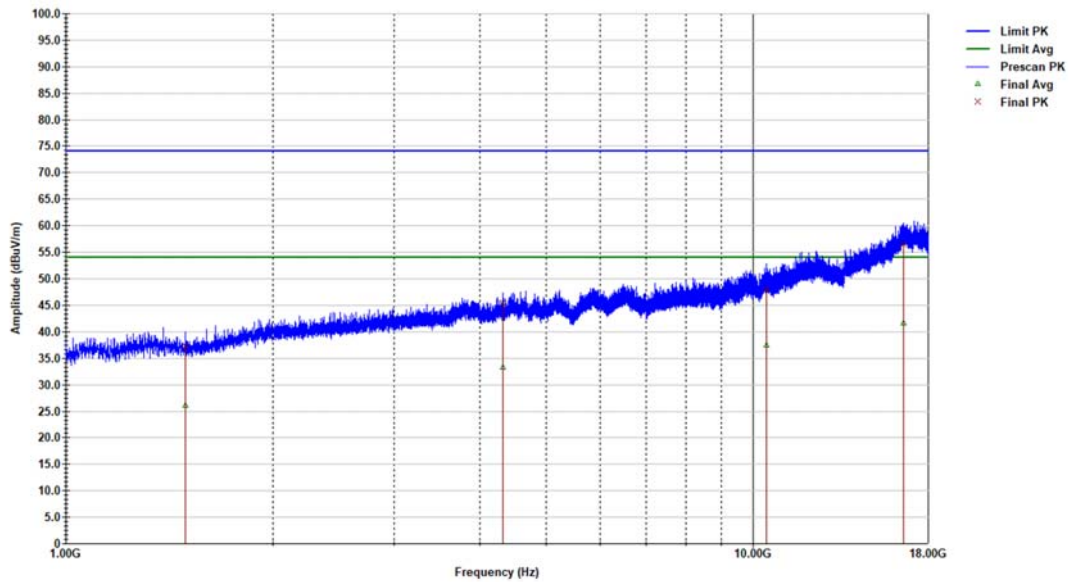
Model # - GBP-3001

Test Mode - Tx Mode_WCDMA Band V

Operator - Alex C

Standard - FCC Part 22/RSS-132

Comments - Low Ch 826.4MHz_S/N: G21421



Low Ch_826MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 09:45:13 AM, Monday, June 03, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1491.3	37.29	-6.4	-36.71	74	317	211
4331.575	45.57	5.39	-28.43	74	163	100
10453.27	48	20.49	-26	74	400	2
16577.52	56.52	33.44	-17.48	74	388	58

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1491.3	26.13	-6.4	-27.87	54	317	211
4331.575	33.37	5.39	-20.63	54	163	100
10453.27	37.53	20.49	-16.47	54	400	2
16577.52	41.68	33.44	-12.32	54	388	58

WCDMA Band V_1GHz to 18GHz Low Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

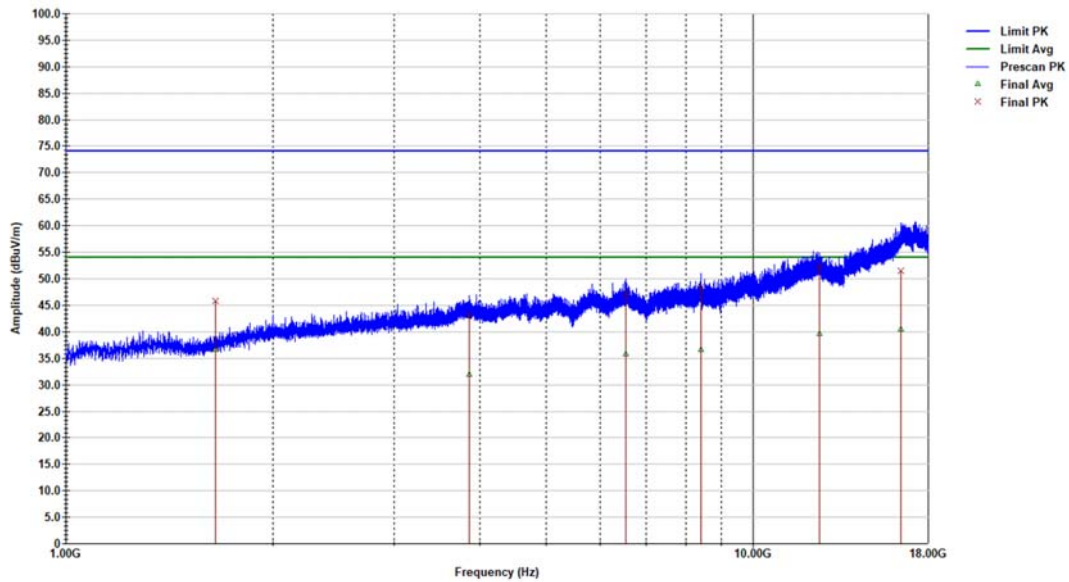
Model # - GBP-3001

Test Mode - Tx Mode_WCDMA Band V

Operator - Alex C

Standard - FCC Part 22/RSS-132

Comments - Low Ch 826.4MHz_S/N: G21421



Low Ch_826MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 09:45:16 AM, Monday, June 03, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1651.525	45.84	-5.16	-28.16	74	268	188
3865.35	43.16	3.7	-30.84	74	278	269
6531.375	47.3	11.04	-26.7	74	332	102
8398.4	48.52	15.67	-25.48	74	317	241
12502.2	52.34	26.02	-21.66	74	241	64
16422.4	51.47	32.75	-22.53	74	178	326

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1651.525	36.59	-5.16	-17.41	54	268	188
3865.35	31.97	3.7	-22.03	54	278	269
6531.375	35.77	11.04	-18.23	54	332	102
8398.4	36.69	15.67	-17.31	54	317	241
12502.2	39.72	26.02	-14.28	54	241	64
16422.4	40.5	32.75	-13.5	54	178	326

WCDMA Band V_1GHz to 18GHz Mid Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

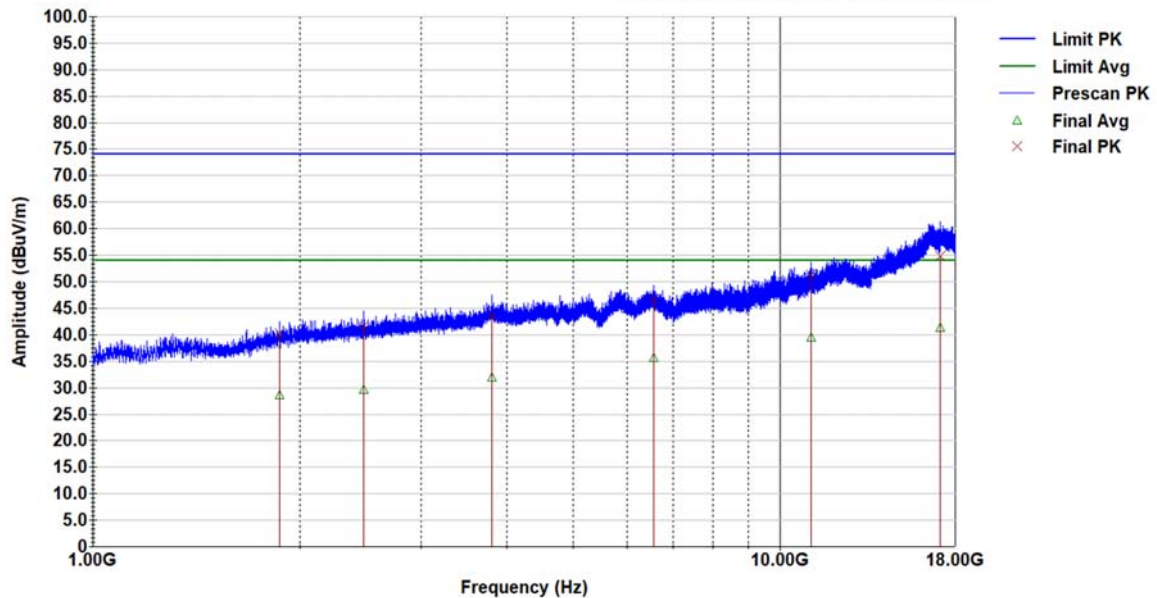
Model # - GBP-3001

Test Mode - Tx Mode_WCDMA Band V

Operator - Alex C

Standard - FCC Part 22/RSS-132

Comments - Mid Ch 836.6MHz_S/N: G21421



Mid Ch_836MHz_RE_1-18GHz_G21421_1461.til

Last Data Update 09:46:07 AM, Monday, June 03, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1868.7	40.4	-2.71	-33.6	74	156	314
2474.74	41.63	-0.15	-32.37	74	391	290
3810.1	43.58	3.69	-30.42	74	194	315
6546.25	46.76	11.09	-27.24	74	271	114
11120.1	51.39	22.6	-22.61	74	179	246
17128.75	54.74	32.78	-19.26	74	203	20

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1868.7	28.67	-2.71	-25.33	54	156	314
2474.74	29.62	-0.15	-24.38	54	391	290
3810.1	31.95	3.69	-22.05	54	194	315
6546.25	35.58	11.09	-18.42	54	271	114
11120.1	39.49	22.6	-14.51	54	179	246
17128.75	41.33	32.78	-12.67	54	203	20

WCDMA Band V_1GHz to 18GHz Mid Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

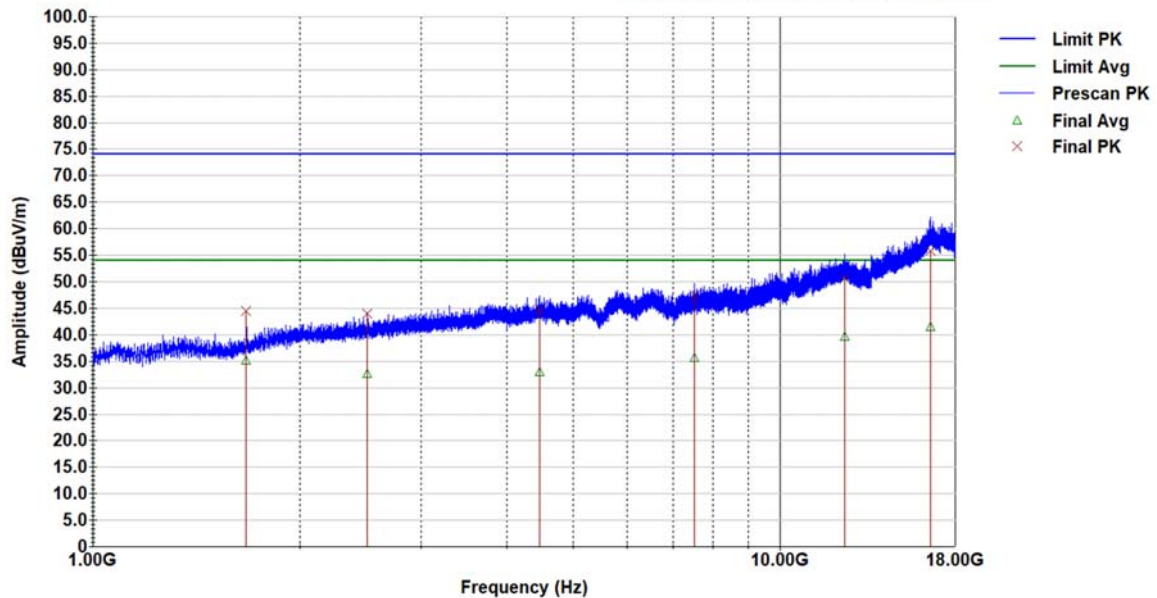
Model # - GBP-3001

Test Mode - Tx Mode_WCDMA Band V

Operator - Alex C

Standard - FCC Part 22/RSS-132

Comments - Mid Ch 836.6MHz_S/N: G21421



Mid Ch_836MHz_RE_1-18GHz_G21421_1461.til

Last Data Update 09:46:09 AM, Monday, June 03, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1671.075	44.58	-5.07	-29.42	74	221	184
2506.2	43.93	-0.02	-30.07	74	253	139
4471.825	44.87	5.69	-29.13	74	294	222
7505.475	47.45	13.44	-26.55	74	247	363
12414.65	50.72	25.94	-23.28	74	186	307
16543.94	55.87	33.29	-18.13	74	150	221

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1671.075	35.21	-5.07	-18.79	54	221	184
2506.2	32.7	-0.02	-21.3	54	253	139
4471.825	32.94	5.69	-21.06	54	294	222
7505.475	35.61	13.44	-18.39	54	247	363
12414.65	39.66	25.94	-14.34	54	186	307
16543.94	41.49	33.29	-12.51	54	150	221

WCDMA Band V_1GHz to 18GHz High Channel – Vertical polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Vertical AVG

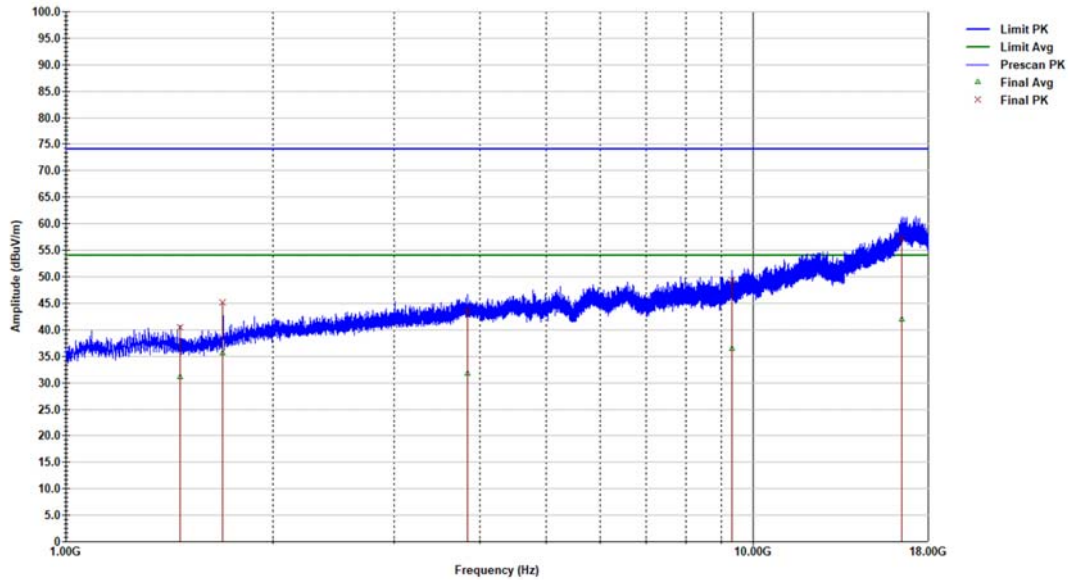
Model # - GBP-3001

Test Mode - Tx Mode_WCDMA Band V

Operator - Alex C

Standard - FCC Part 22/RSS-132

Comments - High Ch 846MHz_S/N: G21421



High Ch_846MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 09:47:02 AM, Monday, June 03, 2024

Peak Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1467.075	40.48	-6.41	-33.52	74	269	158
1691.9	45.2	-4.75	-28.8	74	150	217
3847.075	43.72	3.6	-30.28	74	179	4
9319.375	49.32	18.03	-24.68	74	287	179
16459.8	57.39	32.92	-16.61	74	150	-20

Average Data

Freq. (MHz)	Final QP (dBμV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Ant. Height (cm)	Azimuth (deg.)
1467.075	31.12	-6.41	-22.88	54	269	158
1691.9	35.61	-4.75	-18.39	54	150	217
3847.075	31.85	3.6	-22.15	54	179	4
9319.375	36.55	18.03	-17.45	54	287	179
16459.8	41.95	32.92	-12.05	54	150	-20

WCDMA Band V_1GHz to 18GHz High Channel – Horizontal polarity

SGS NA, San Diego Regulatory Lab

Radiated Emissions

Horizontal AVG

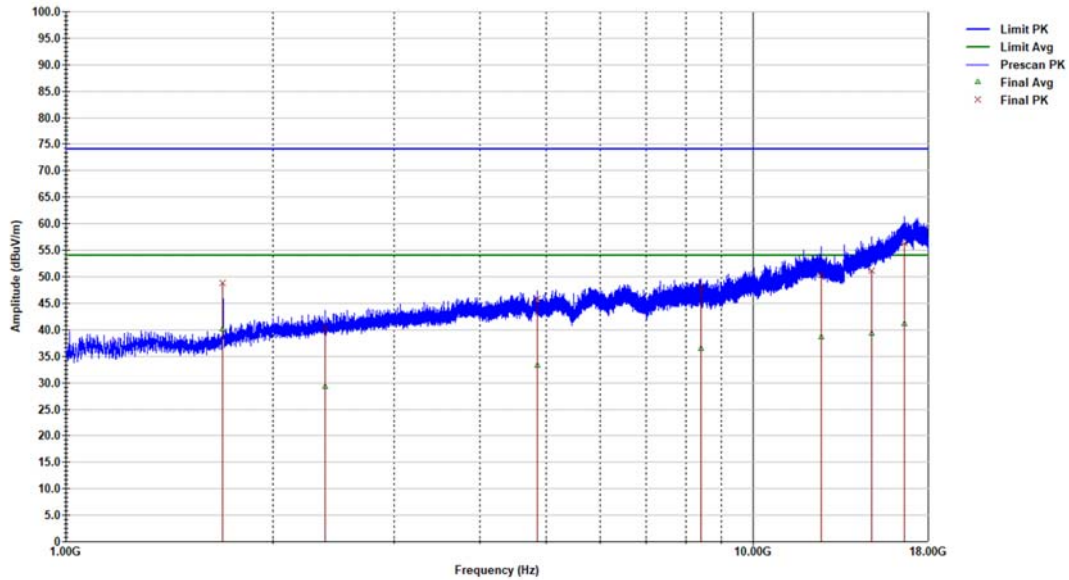
Model # - GBP-3001

Test Mode - Tx Mode_WCDMA Band V

Operator - Alex C

Standard - FCC Part 22/RSS-132

Comments - High Ch 846.6MHz_S/N: G21421



High Ch_846MHz_RE_1-18GHz_G21421_1461.ttl

Last Data Update 09:47:04 AM, Monday, June 03, 2024

Peak Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1691.9	48.76	-4.75	-25.24	74	260	188
2385.5	40.55	-0.62	-33.45	74	380	331
4862.4	45.84	6.85	-28.16	74	340	221
8394.15	48.21	15.67	-25.79	74	150	148
12584.65	50.24	26.08	-23.76	74	363	-6
14901.75	51.16	28.23	-22.84	74	362	134
16623.42	56.26	33.63	-17.74	74	163	75

Average Data

Freq. (MHz)	Final QP (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
1691.9	40.13	-4.75	-13.87	54	260	188
2385.5	29.25	-0.62	-24.75	54	380	331
4862.4	33.4	6.85	-20.6	54	340	221
8394.15	36.52	15.67	-17.48	54	150	148
12584.65	38.6	26.08	-15.4	54	363	-6
14901.75	39.32	28.23	-14.68	54	362	134
16623.42	41.16	33.63	-12.84	54	163	75

5 Measurement Uncertainty

The measurement uncertainty figures are calculated in accordance with TR 100 028-1 [2] and correspond to an expansion factor (coverage factor) $k = 2$ (which provides confidence levels of 95.45 % in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian)).

Measurement uncertainty is not used to adjust the measurements to determine compliance.

Parameter	Expanded Uncertainty for Normal k factor equal to 2	
	Required	Laboratory Actual
spurious emissions, conducted	± 3 dB	± 2.1 dB
all emissions, radiated	± 6 dB	± 4.8 dB
temperature	$\pm 1^{\circ}\text{C}$	$\pm 0.5^{\circ}\text{C}$
humidity	± 5 %	± 3.5 %



6 Revision History

Revision Level	Description of changes	Revision Date
1	Initial release	June 26, 2024