

# RF Test Report

**Report Number:** 208745-3                      **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 15 Subpart C, § 15.247

ANSI C63.10:2013

**Report issued on:** June 25, 2024

**Test Result:** Compliant



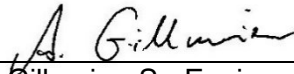
FOR THE SCOPE OF ACCREDITATION UNDER CERTIFICATE NUMBER: 1935.01

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Prepared by:

  
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## Table of Contents

<b>1</b>	<b>SUMMARY OF TEST RESULTS</b> .....	<b>3</b>
1.1	MODIFICATIONS REQUIRED FOR COMPLIANCE .....	3
<b>2</b>	<b>GENERAL INFORMATION</b> .....	<b>4</b>
2.1	CLIENT INFORMATION .....	4
2.2	TEST LABORATORY .....	4
2.3	GENERAL INFORMATION OF EUT .....	4
2.4	OPERATING MODES AND CONDITIONS .....	5
2.5	EUT CONNECTION BLOCK DIAGRAM – RADIATED MEASUREMENTS .....	5
2.6	SYSTEM CONFIGURATIONS .....	5
<b>3</b>	<b>RADIATED SPURIOUS EMISSIONS</b> .....	<b>9</b>
3.1	TEST RESULT.....	9
3.2	TEST METHOD.....	9
3.3	TEST DATE AND TEST ENGINEER(S) .....	9
3.4	TEST SITE .....	9
3.5	TEST EQUIPMENT .....	10
3.6	TEST DATA – RADIATED SPURIOUS EMISSION.....	13
<b>4</b>	<b>MEASUREMENT UNCERTAINTY</b> .....	<b>27</b>
<b>5</b>	<b>REVISION HISTORY</b> .....	<b>28</b>

# 1 Summary of Test Results

Test Description	Test Specification	Test Result
Conducted Output Power	15.247(b)(3)	Compliant
Radiated Spurious Emissions	15.247(d), 15.209(a), 15.205(a)	Compliant

Note: Device used a pre-certified module; but different antenna. Output power spot check verified and reported in this report. The Radiated Spurious Emissions also preformed to ensure product still in compliance.

## 1.1 Modifications Required for Compliance

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:** Multi-Functional IoT Platform Sensor Gateway  
**Model:** GBP-3001  
**Serial Numbers:** 20134 (Radiated/Conducted Sample x 1)

**FCC ID:** 2AXA8-GBP-3001  
**Frequency Range:** 2402-2480 MHz  
**Antenna Manufacturer:** 2j-antennas  
**Antenna Model:** 2J6C86BCFc  
**Antenna Type:** Radome - Screw Mount  
**Dimensions:** 193 x 76.3 x 52.4 mm  
**Antenna Gain\*:** 4.2 dBi (Peak max.)  
**Rated Voltage:** 12.0Vdc

**Test Voltage:** 12.0Vdc (via external power source for Radiated Measurements)

**Sample Received Date:** April 01, 2024  
**Dates of testing:** April 18 to June 25, 2024

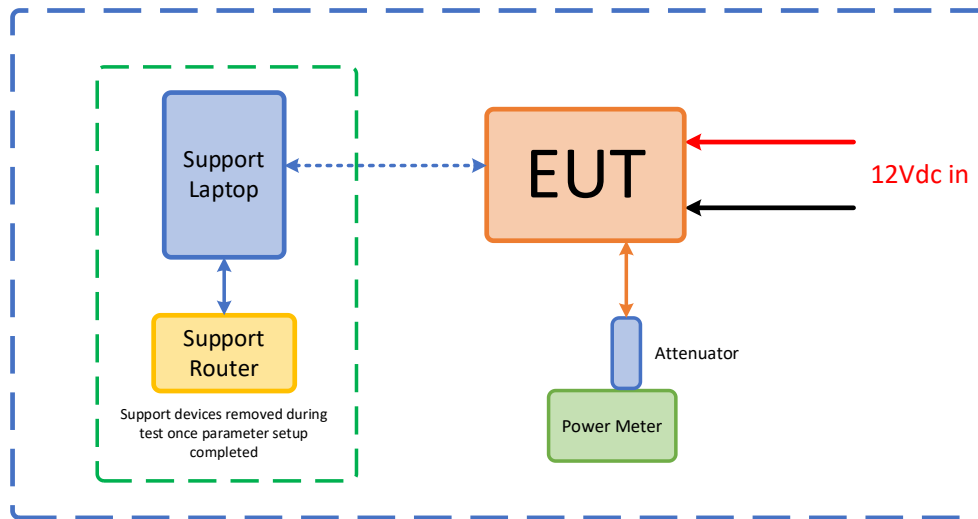
\*Data was not measured by SGS laboratory and therefore SGS is not responsible for accuracy. Data obtained via customer, specification sheet, previous filing or other.

## 2.4 Operating Modes and Conditions

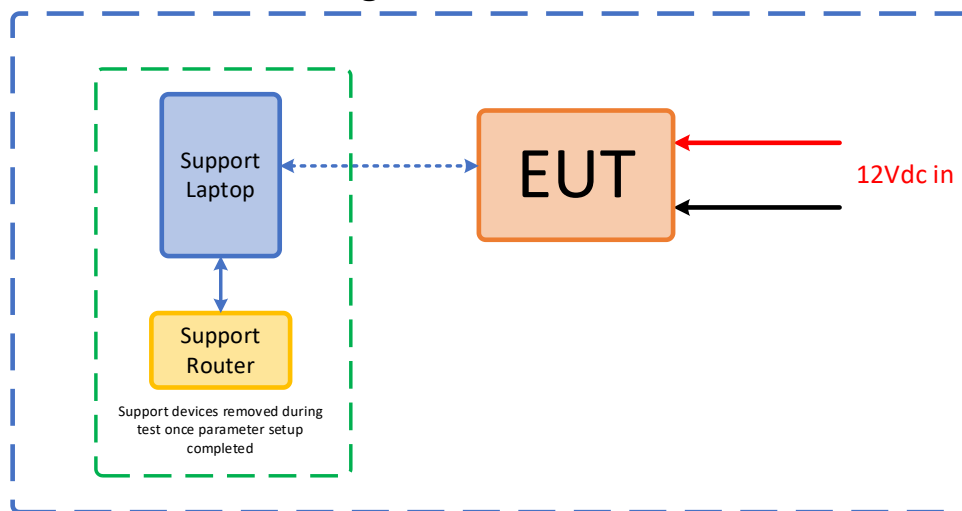
The EUT was running test mode via a support laptop which allowed the following:

- 1) Selecting low, middle and high BLE channels;
- 2) Selecting the modulation scheme as used in normal operation, but with >98% duty cycle;
- 3) Setting the power level. The maximum power setting of 8 was used for all tests.

## 2.5 EUT Connection Block Diagram – Conducted Measurements



## 2.6 EUT Connection Block Diagram – Radiated Measurements

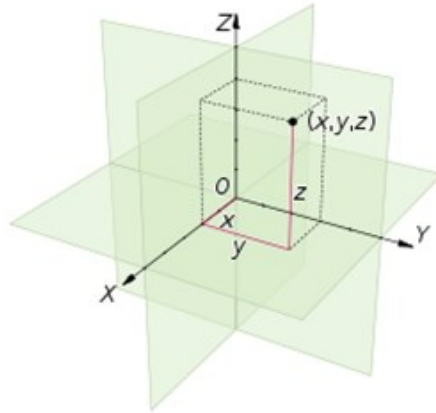


## 2.7 System Configurations

Manufacturer	Description	Model Number
Dell	Supported laptop to set parameter on the EUT	P117F
tp-link	Supported WiFi router connected with laptop to setup EUT parameter	Archer A8

## 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

Fundamental maximum peak conducted output power measurements were performed using the method described in ANSI C63.10:2013 clause 11.9.1.3. This procedure is referenced in KDB 558074 D01 15.247 Meas Guidance v05r02.

The BLE 1Mbps data mode was used for this test.

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

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. For using antennas with greater than 6dBi of gain, the limit is reduced in dB by the amount the gain exceeds 6dBi (e.g. for a 7.4dBi antenna, the limit is reduced from 30dBm to 28.6dBm). Also, the e.i.r.p. shall not exceed 4 Watts (36 dBm) based on RSS-247 S5.4 (d).

Technology	Limit (dBm)
Bluetooth LE	30

#### 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 BLE power setting. The Conducted Power is referenced from the original module reports. Test results were calculated with antenna gain. All modes of operation were verified and the 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
2018	Shenzhen Sky Toppower Tech.	DC Power Supply	STP3020	N/A	N.C.R.	
-	Weinschel	20dB attenuator	3M-20	116459	Verified	
-	ENS Microwave, LLC	RF cable	S190-320-MNS-MNS	-	Verified	

### 3.7 Test results

Technology	Config	Channel Freq. Band (MHz)	Max Peak Power (dBm)	Antenna (dBi)	EIRP (dBm)	Limit (dBm)
BLE	1Mbps	2402	4.97	4.2	9.17	30
		2440	5.79	4.2	9.99	
		2480	6.26	4.2	10.46	



## 4 Radiated Spurious Emissions

### 4.1 Test Result

Test Description	Test Specification	Test Result
Radiated Spurious Emissions	15.247(d), 15.209(a), 15.205(a)	Compliant

### 4.2 Test Method

Radiated emissions in restricted frequency bands were measured using methods defined in ANSI C63.10 clause 11.11 and 11.12. These procedures are referenced in KDB 558074 D01 15.247 Meas Guidance v05r02.

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Limits within bands of operation:

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

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

(2) Quasi-peak limit

(3) Average limit

### 4.3 Test Date and Test Engineer(s)

April 18 to June 25, 2024 / AC

### 4.4 Test Site

SGS EMC Laboratory, San Diego, CA

Environmental Conditions

Temperature: 17 °C

Relative Humidity: 64 %

Atmospheric Pressure: 101.7 kPa

#### 4.5 Additional Observation

- 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.

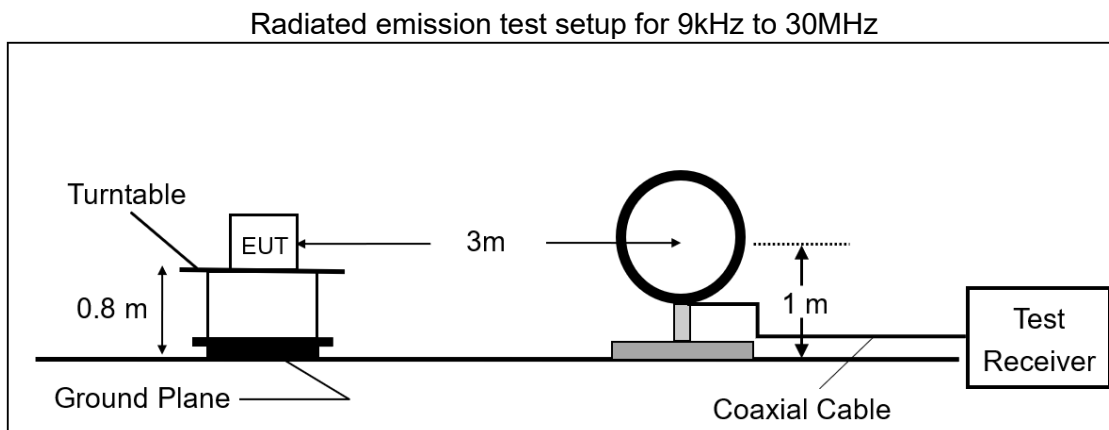
#### 4.6 Test Equipment

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
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*
-	Micro-Tronics	2.97GHz High pass filter	HPM16182	G015	Verified	
-	ENS Microwave, LLC	RF cable	S190-320-MNS-MNS	-	Verified	
2017	Keysight	EMI Receiver	N9038B	MY59050132	10/24/2023	10/24/2024
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	

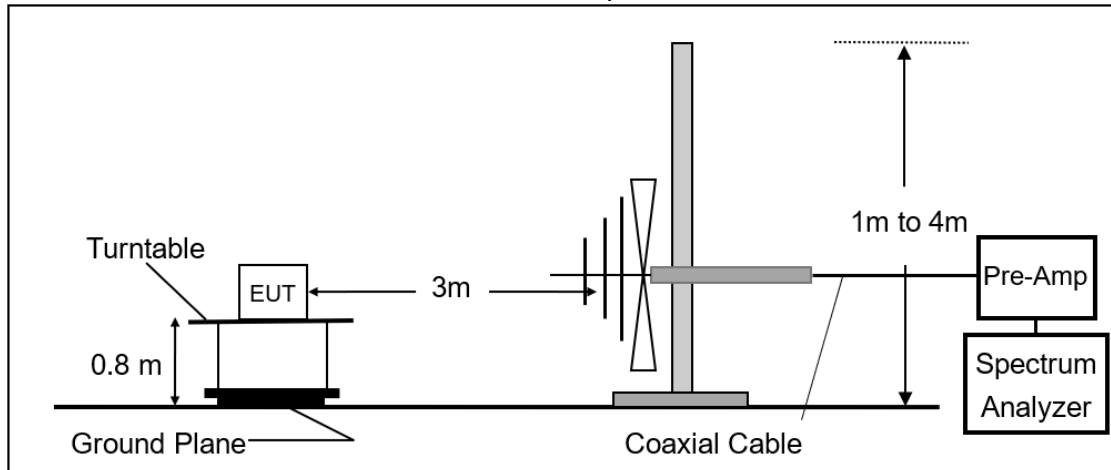
\* Note: calibration extended 1 month and equipment verified prior to performed test.

#### 4.7 Test Setup

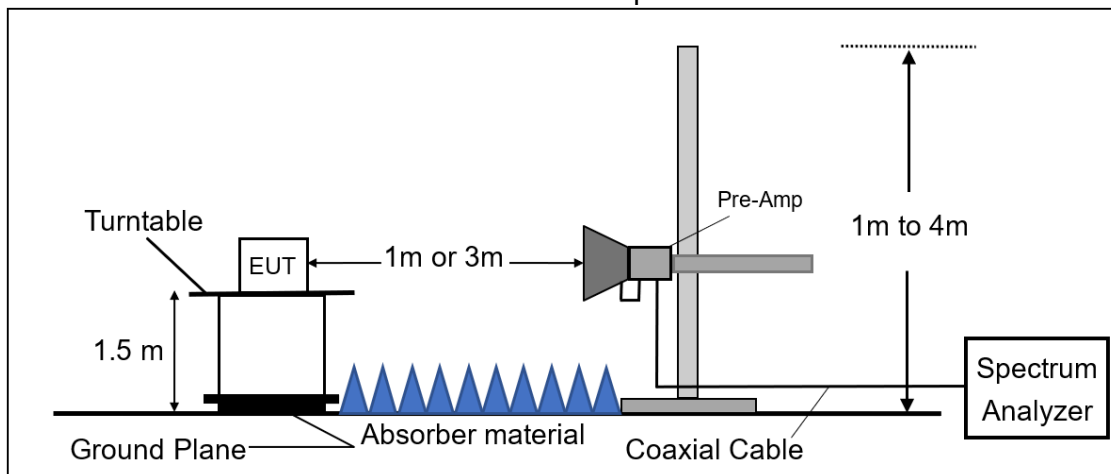
Refer to Section 2.6 in this test report of EUT setup.



Radiated emission test setup for 30MHz to 1GHz



Radiated emission test setup for above 1GHz



## 4.8 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:

$$\text{TC} = \text{AF} + \text{CL} - \text{AG}$$

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.

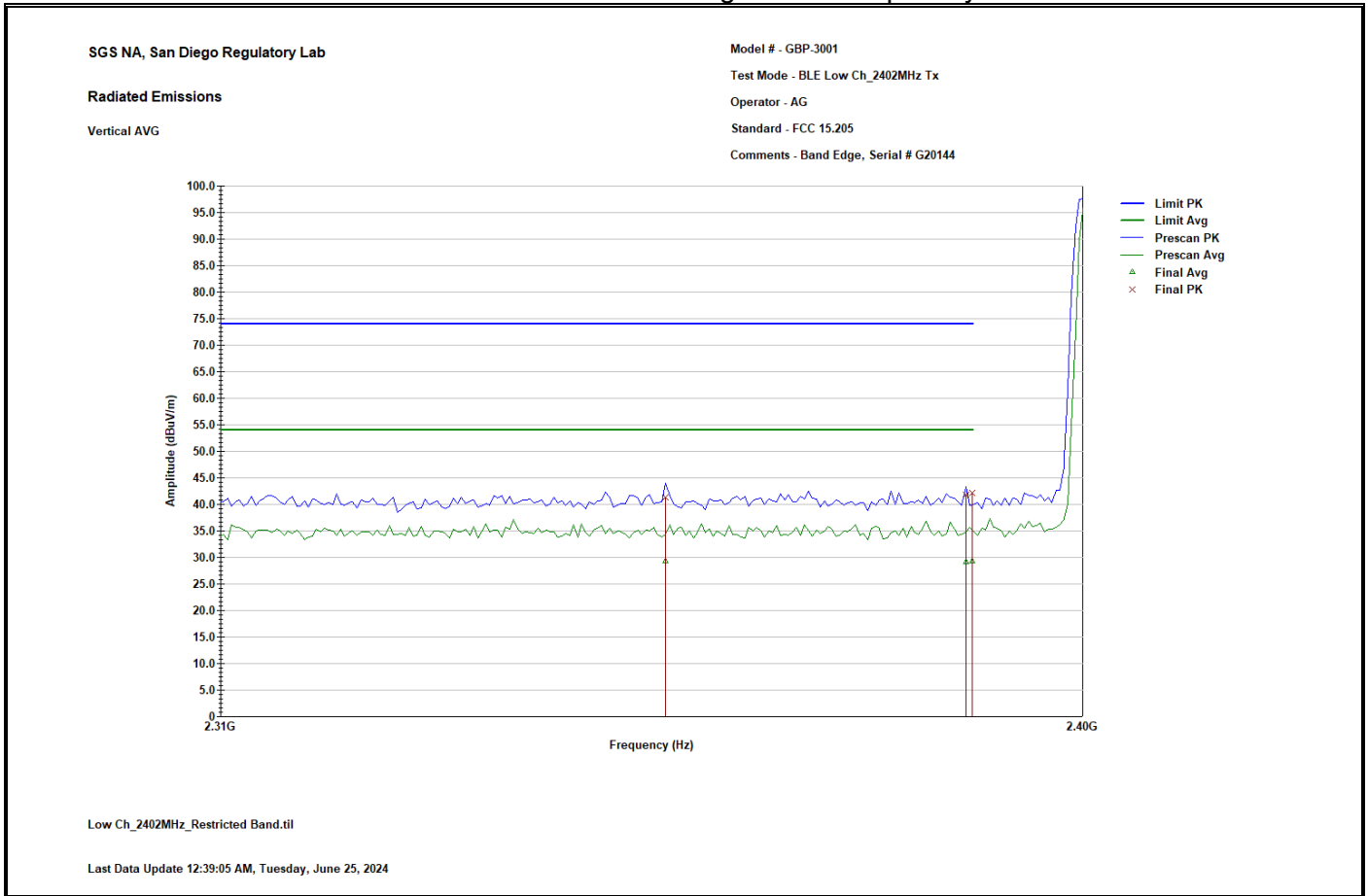
The basic equation with a sample calculation as follows:

$$\text{Final} = \text{MR} + \text{TC}$$

Where      TC = Total Correction      MR = Measurement Reading

### 4.9 Test Data – Radiated Band Edge

2310MHz – 2390MHz Low Channel 2402MHz Band Edge – Vertical polarity



#### Peak Data

Freq. (MHz)	Final Pk (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
2357.025	41.32	-0.71	-32.68	74	293	354
2389.325	41.85	-0.59	-32.15	74	244	224
2390	42.15	-0.59	-31.85	74	388	-4

#### Average Data

Freq. (MHz)	Final Avg (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
2357.025	29.3	-0.71	-24.7	54	293	354
2389.325	29.23	-0.59	-24.77	54	244	224
17226.5	41.46	32.73	-12.54	54	400	193

2310MHz – 2390MHz Low Channel 2402MHz Band Edge – Horizontal polarity



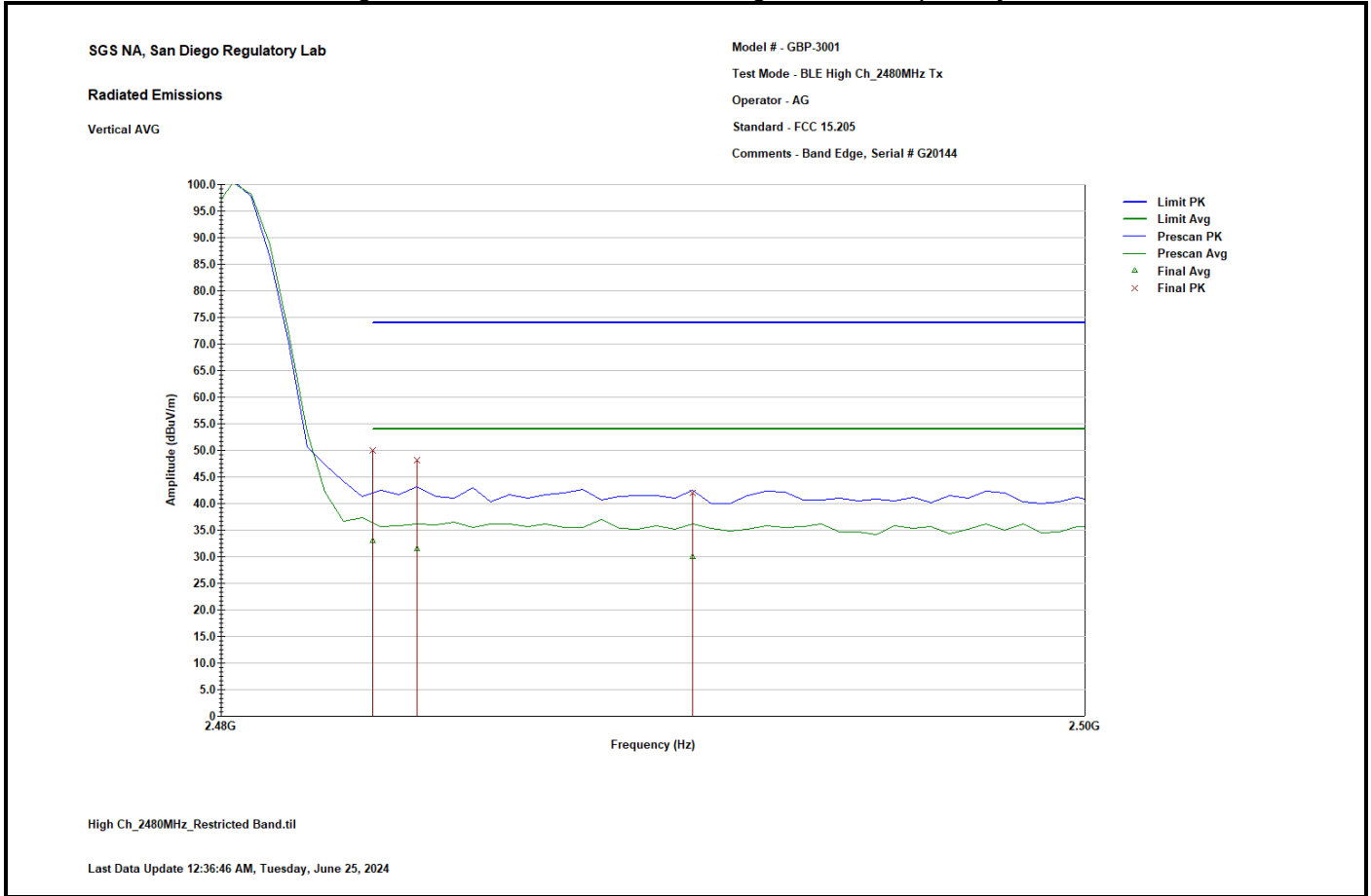
Peak Data

Freq. (MHz)	Final Pk (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
2330.25	41.08	-0.92	-32.92	74	283	22
2381	41.42	-0.65	-32.58	74	387	153
2387.625	40.85	-0.61	-33.15	74	243	103
2390	41.91	-0.59	-32.09	74	400	83

Average Data

Freq. (MHz)	Final Avg (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
2330.25	29.29	-0.92	-24.71	54	283	22
2381	29.38	-0.65	-24.62	54	387	153
2387.625	29.36	-0.61	-24.64	54	243	103
2390	29.24	-0.59	-24.76	54	400	83

2483.5MHz – 2500MHz High Channel 2480MHz Band Edge – Vertical polarity



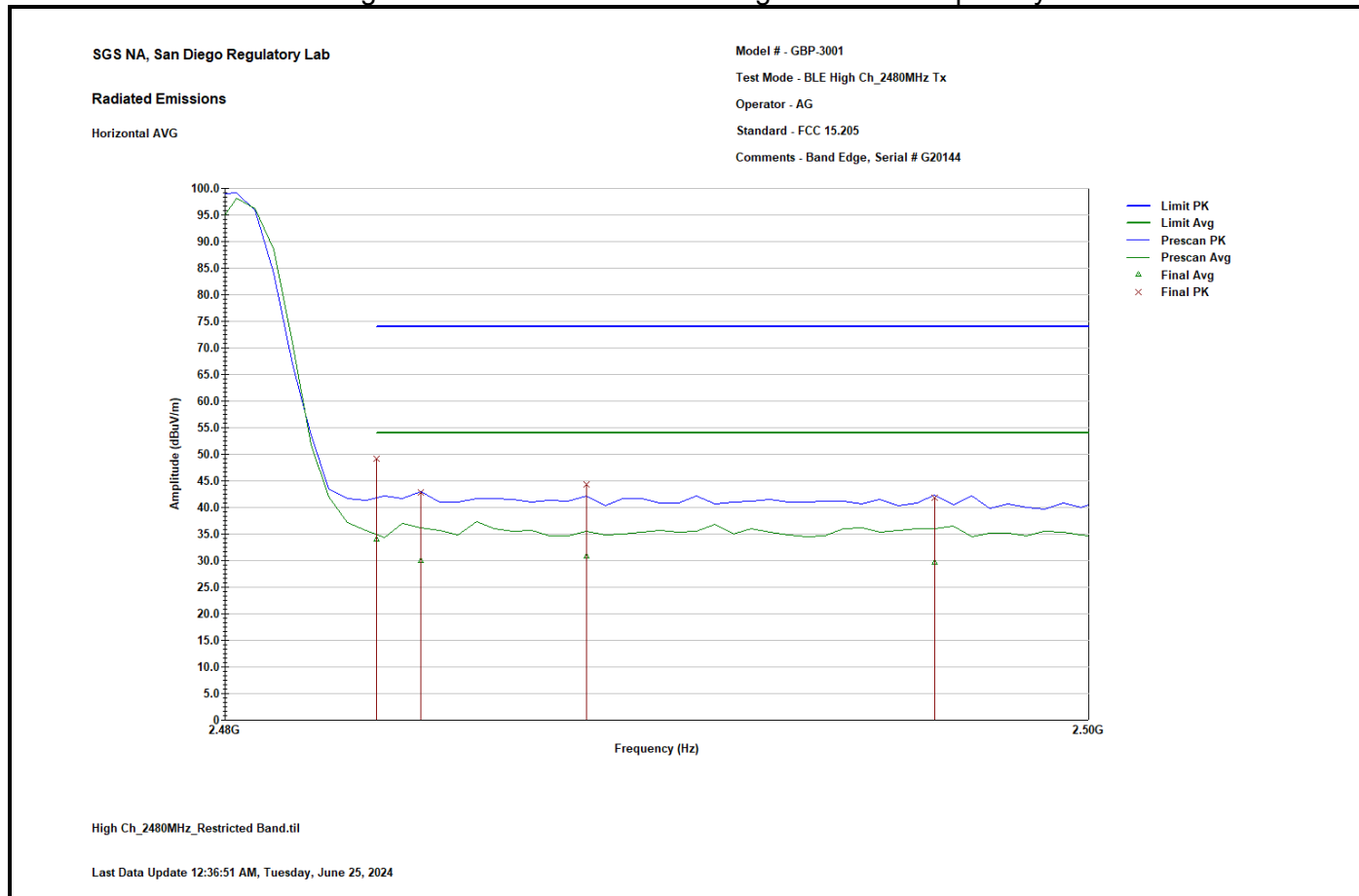
Peak Data

Freq. (MHz)	Final Pk (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
2483.5	49.99	-0.11	-24.01	74	260	110
2484.525	48.25	-0.11	-25.75	74	236	120
2490.9	42.03	-0.09	-31.97	74	389	360
2858	44.13	1.76	-29.87	74	400	76

Average Data

Freq. (MHz)	Final Avg (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
2483.5	32.94	-0.11	-21.06	54	260	110
2484.525	31.49	-0.11	-22.51	54	236	120
2490.9	30.02	-0.09	-23.98	54	389	360
2858	30.97	1.76	-23.03	54	400	76

2483.5MHz – 2500MHz High Channel 2480MHz Band Edge – Horizontal polarity



Peak Data

Freq. (MHz)	Final Pk (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
2483.5	49.2	-0.11	-24.8	74	267	143
2484.525	42.8	-0.11	-31.2	74	347	-20
2488.35	44.28	-0.09	-29.72	74	203	134
2496.425	41.89	-0.07	-32.11	74	236	56

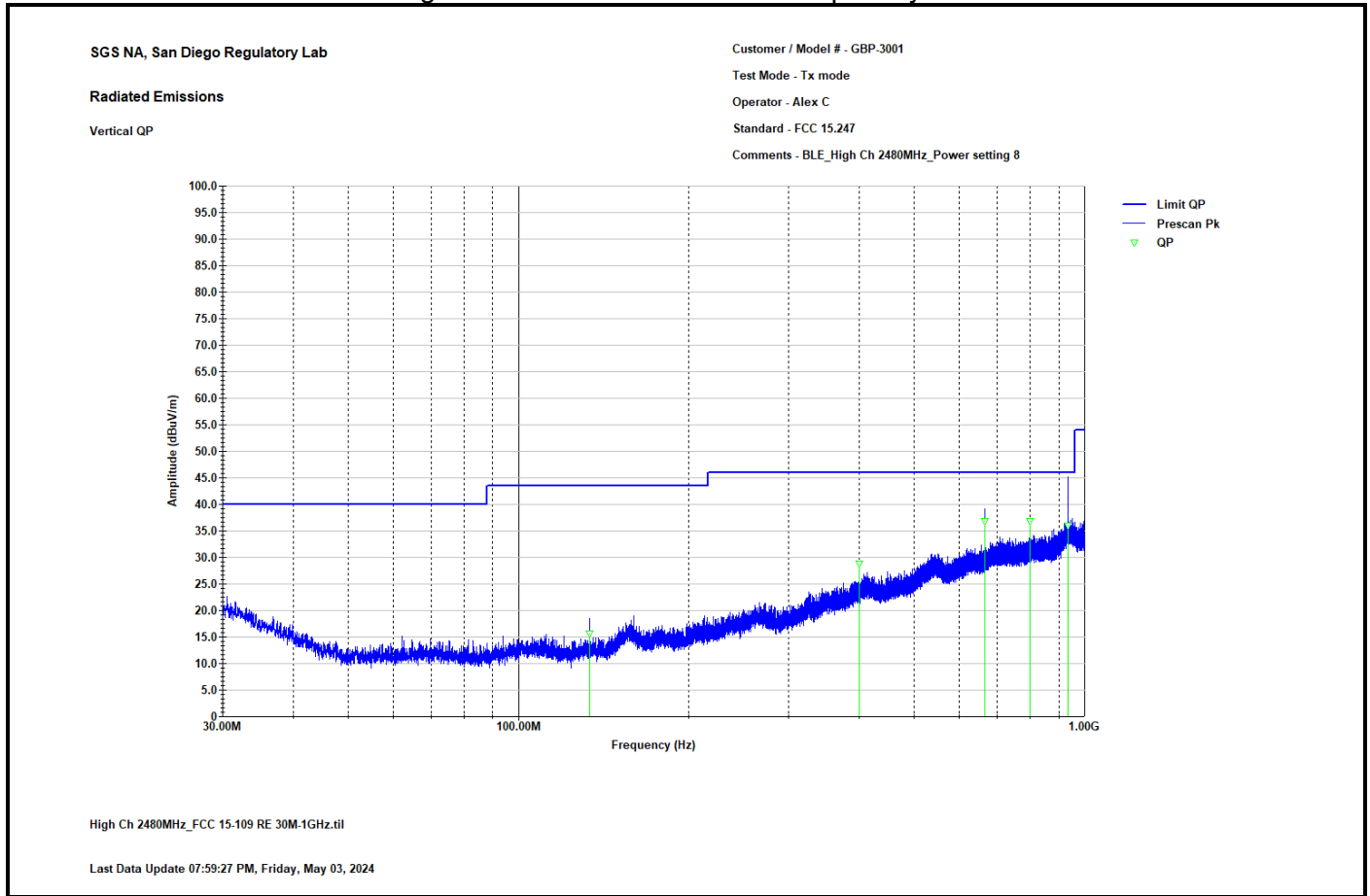
Average Data

Freq. (MHz)	Final Avg (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
2483.5	33.96	-0.11	-20.04	54	267	143
2484.525	30.01	-0.11	-23.99	54	347	-20
2488.35	30.79	-0.09	-23.21	54	203	134
2496.425	29.71	-0.07	-24.29	54	236	56



### 4.10 Test Data – Radiated Spurious Emission

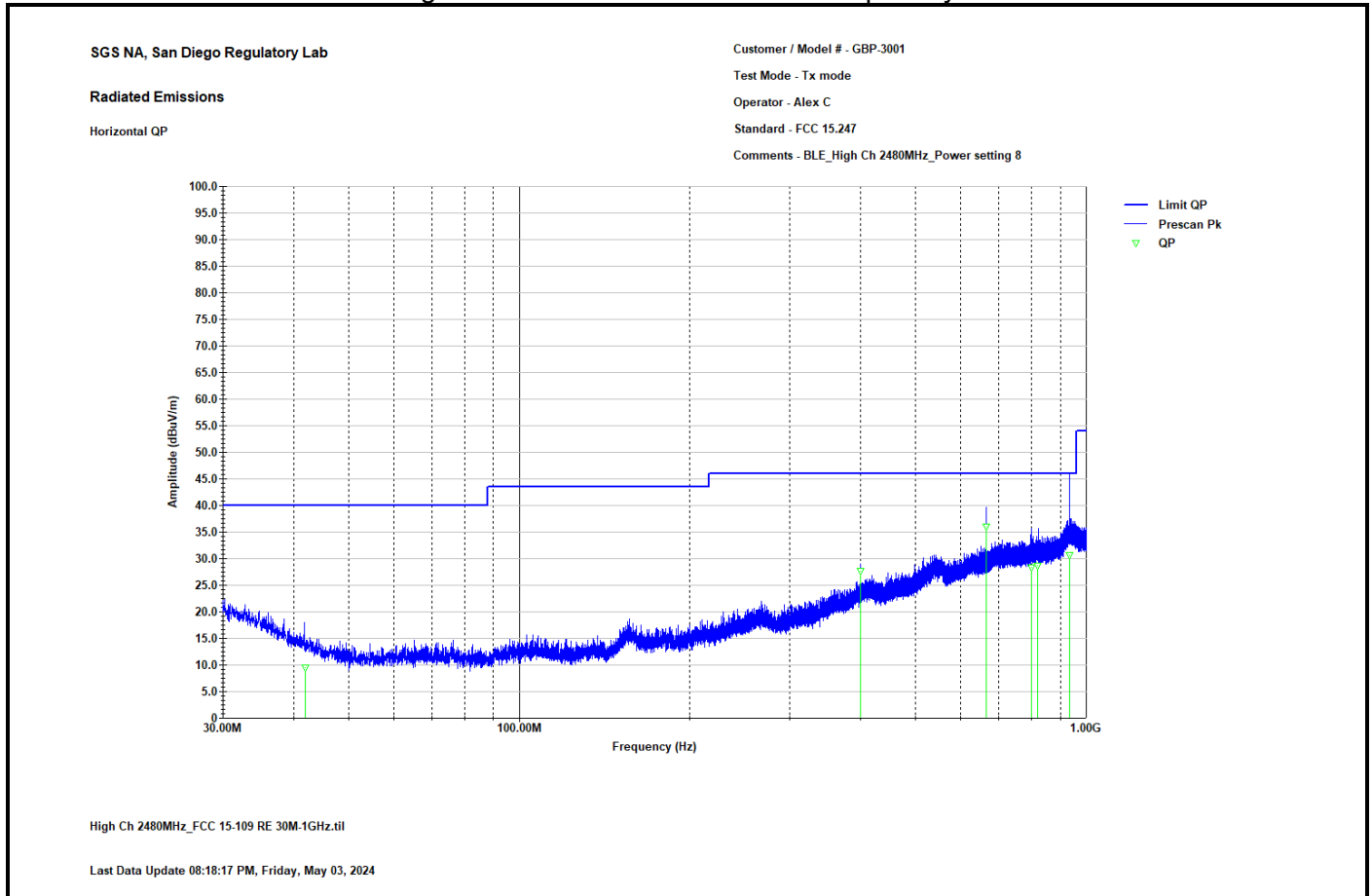
30MHz to 1GHz Worst-Case High Channel 2480MHz – Vertical polarity



#### Quasi-Peak Data

Freq. (MHz)	Final QP (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
133.322	15.65	-29.74	-27.87	43.52	100	281
399.992	28.77	-18.6	-17.25	46.02	100	242
666.686	36.82	-12.77	-9.2	46.02	100	-20
800.02	36.88	-11.35	-9.14	46.02	122	235
933.374	36.03	-8.41	-9.99	46.02	258	380

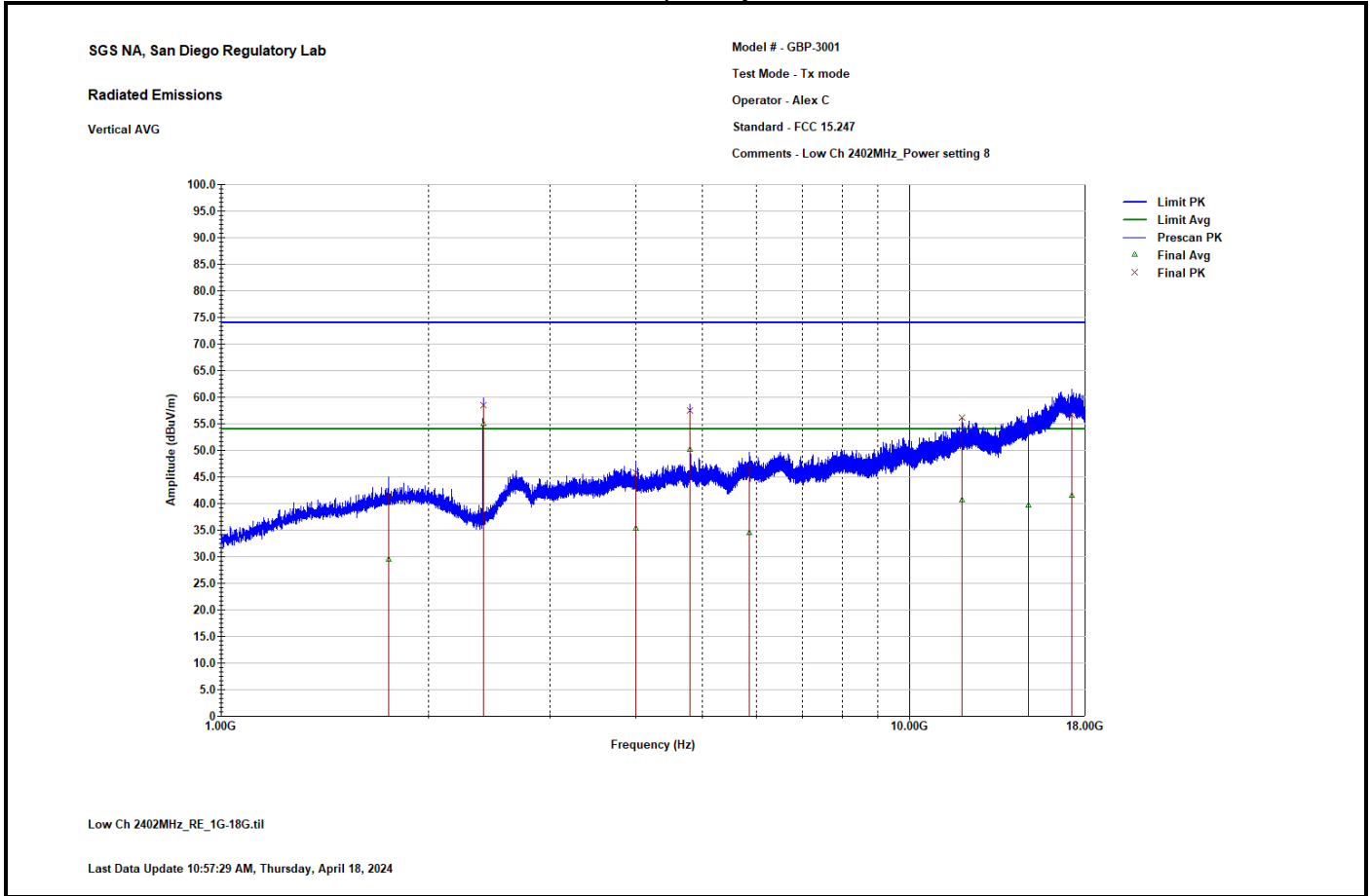
### 30MHz to 1GHz Worst-Case High Channel 2480MHz – Horizontal polarity



#### Quasi-Peak Data

Freq. (MHz)	Final QP (dB $\mu$ V/m)	Total Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)	Ant. Height (cm)	Azimuth (deg.)
41.946	9.54	-28.03	-30.46	40	400	236
400.046	27.75	-18.6	-18.27	46.02	100	370
666.68	36.07	-12.77	-9.95	46.02	100	38
799.754	28.4	-11.36	-17.62	46.02	337	6
819.565	28.65	-11.13	-17.37	46.02	400	13
934.844	30.67	-8.36	-15.35	46.02	217	292

1GHz to 18GHz Low Channel 2402MHz – Vertical polarity



Peak Data

Freq. (MHz)	Final Pk (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)	
1753.1	41.56	-3.97	-32.44	74	214	128	
2402.075	58.54	Note					
4000	45.79	4.37	-28.21	74	400	342	
4803.75	57.51	6.63	-16.49	74	400	291	
5859.875	46.73	9.63	-27.27	74	400	380	
11913.58	56.08	25.1	-17.92	74	400	351	
14904.3	54.37	28.24	-19.63	74	400	200	
17226.5	56.73	32.73	-17.27	74	400	193	

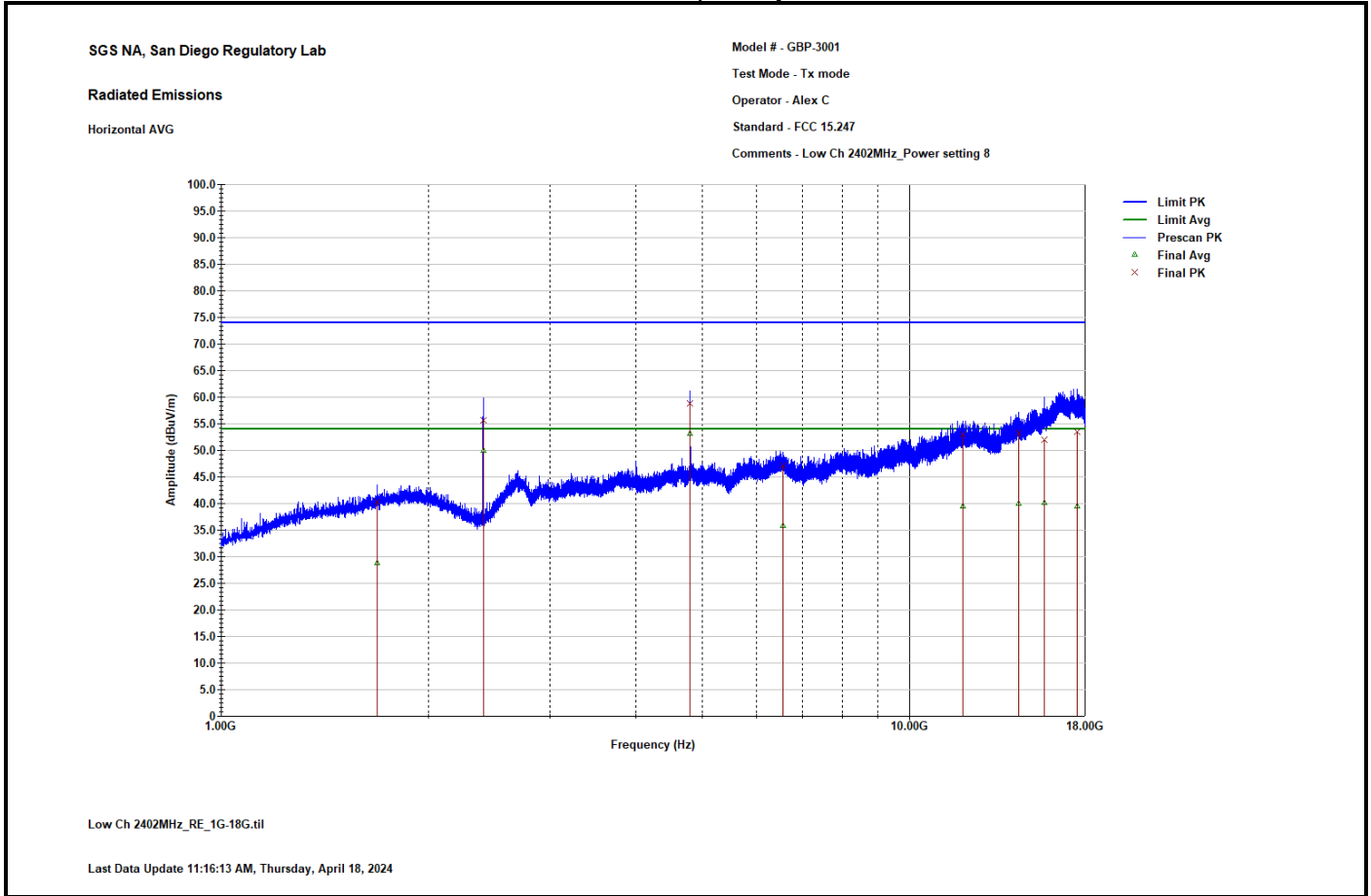
Note: Fundamental frequency, not subject to the spurious emission limit. Result data provided for information purpose only.

Average Data

Freq. (MHz)	Final Avg (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
1753.1	29.44	-3.97	-24.56	54	214	128
2402.075	55	Note				
4000	35.31	4.37	-18.69	54	400	342
4803.75	50.19	6.63	-3.81	54	400	291
5859.875	34.57	9.63	-19.43	54	400	380
11913.58	40.71	25.1	-13.29	54	400	351
14904.3	39.72	28.24	-14.28	54	400	200
17226.5	41.46	32.73	-12.54	54	400	193

Note: Fundamental frequency, not subject to the spurious emission limit. Result data provided for information purpose only.

1GHz to 18GHz Low Channel 2402MHz – Horizontal polarity



Peak Data

Freq. (MHz)	Final Pk (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)	
1685.1	40.39	-4.89	-33.61	74	400	141	
2401.65	55.71	Note					
4804.175	58.82	6.64	-15.18	74	400	161	
6546.25	47.18	11.09	-26.82	74	400	198	
11944.17	53.03	25.14	-20.97	74	400	50	
14394.73	53.37	27.14	-20.63	74	400	105	
15687.15	51.96	30.08	-22.04	74	400	100	
17554.17	53.45	32.08	-20.55	74	400	120	

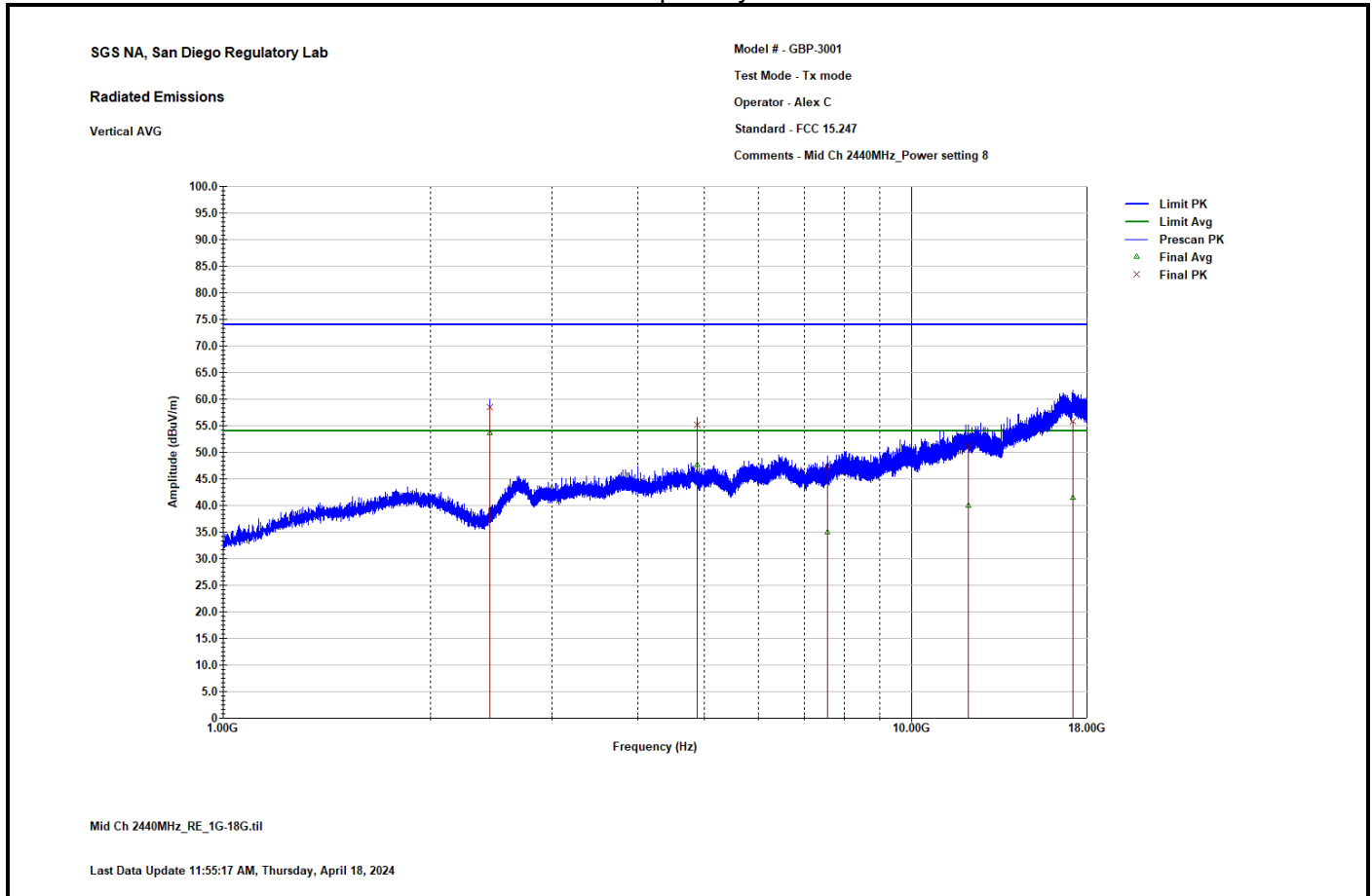
Note: Fundamental frequency, not subject to the spurious emission limit. Result data provided for information purpose only.

## Average Data

Freq. (MHz)	Final Avg (dB $\mu$ V/m)	Total Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)	Ant. Height (cm)	Azimuth (deg.)
1685.1	28.8	-4.89	-25.2	54	400	141
2401.65	49.98	Note				
4804.175	53.19	6.64	-0.81	54	400	161
6546.25	35.89	11.09	-18.11	54	400	198
11944.17	39.48	25.14	-14.52	54	400	50
14394.73	40.05	27.14	-13.95	54	400	105
15687.15	40.23	30.08	-13.77	54	400	100
17554.17	39.56	32.08	-14.44	54	400	120

Note: Fundamental frequency, not subject to the spurious emission limit. Result data provided for information purpose only.

1GHz to 18GHz Mid Channel 2440MHz – Vertical polarity



Peak Data

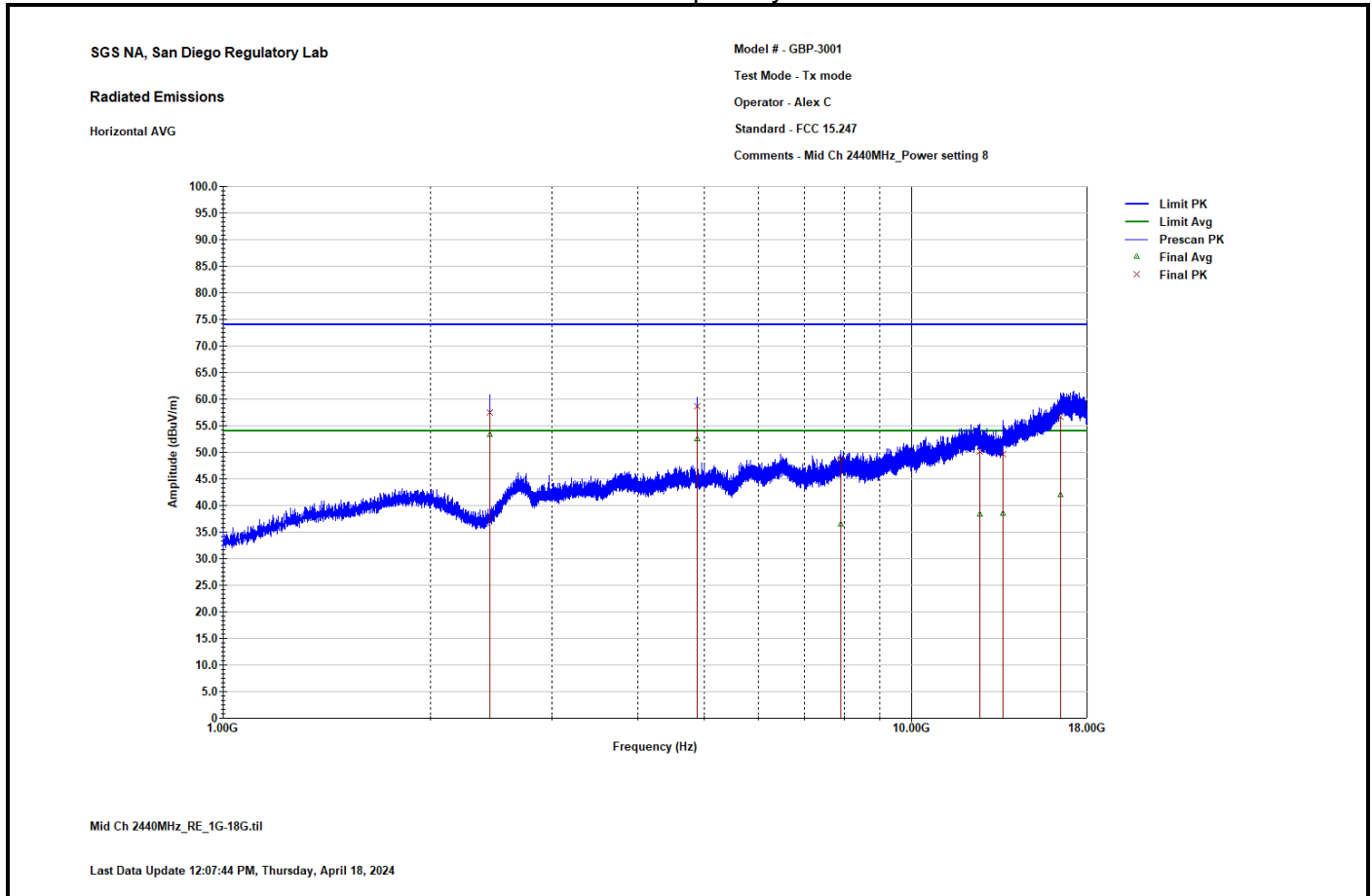
Freq. (MHz)	Final Pk (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
2439.9	58.52	Note				
4880.25	55.12	6.74	-18.88	74	400	92
7546.275	47.14	13.62	-26.86	74	400	99
12095.05	51.14	25.45	-22.86	74	400	175
17141.07	55.85	32.78	-18.15	74	400	343

Average Data

Freq. (MHz)	Final Avg (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
2439.9	53.65	Note				
4880.25	47.63	6.74	-6.37	54	400	92
7546.275	35	13.62	-19	54	400	99
12095.05	40.01	25.45	-13.99	54	400	175
17141.07	41.49	32.78	-12.51	54	400	343

Note: Fundamental frequency, not subject to the spurious emission limit. Result data provided for information purpose only.

1GHz to 18GHz Mid Channel 2440MHz – Horizontal polarity



Peak Data

Freq. (MHz)	Final Pk (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
2439.9	57.45	Note				
4880.25	58.66	6.74	-15.34	74	400	207
7890.525	48.58	14.66	-25.42	74	400	370
12586.77	50.22	26.08	-23.78	74	400	377
13601.68	49.74	26.28	-24.26	74	400	271
16468.3	56.62	32.96	-17.38	74	400	374

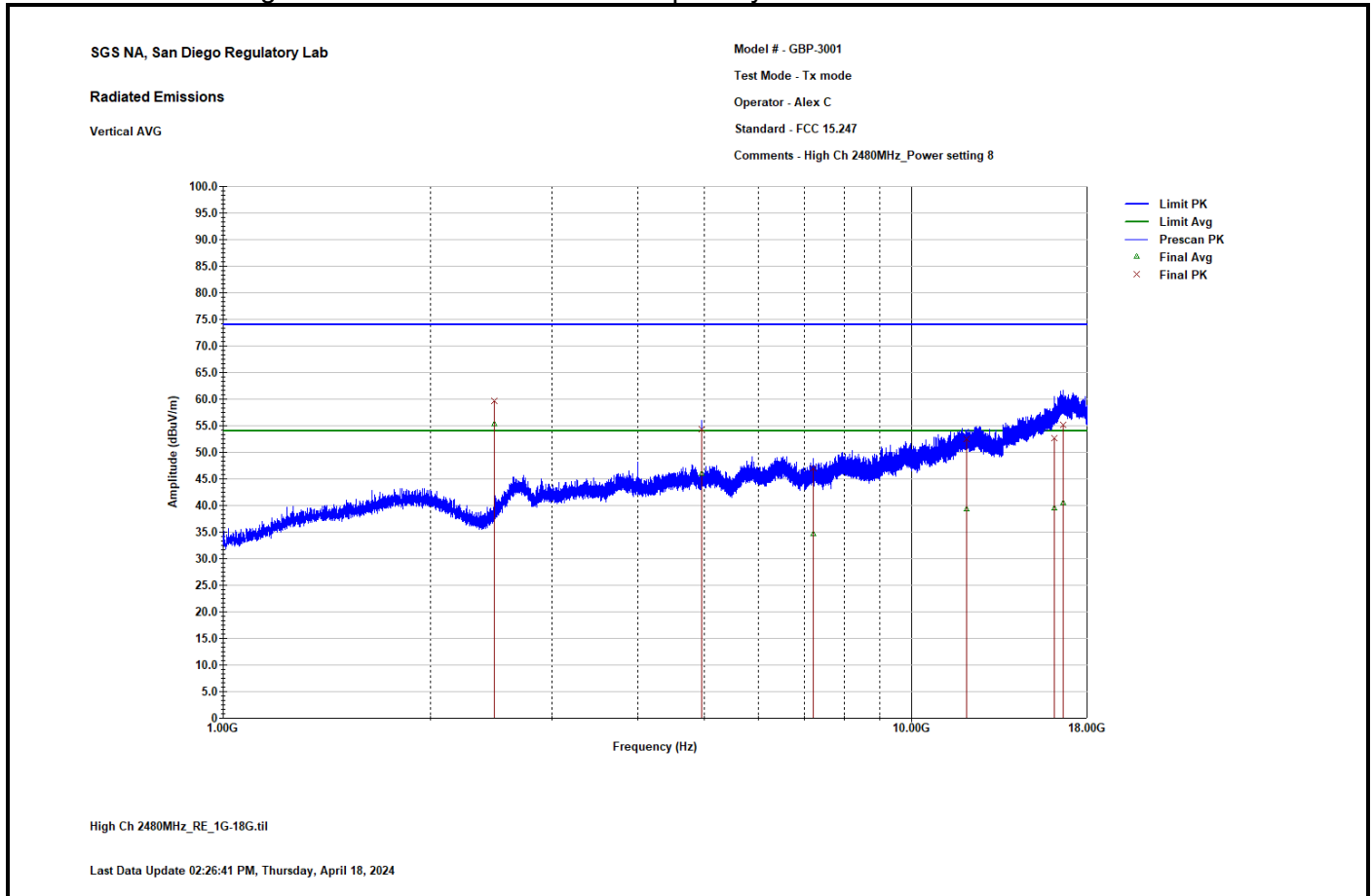
Average Data

Freq. (MHz)	Final Avg (dBuV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBuV/m)	Ant. Height (cm)	Azimuth (deg.)
2439.9	53.37	Note				
4880.25	52.5	6.74	-1.5	54	400	207
7890.525	36.53	14.66	-17.47	54	400	370
12586.77	38.31	26.08	-15.69	54	400	377
13601.68	38.52	26.28	-15.48	54	400	271
16468.3	42.07	32.96	-11.93	54	400	374

Note: Fundamental frequency, not subject to the spurious emission limit. Result data provided for information purpose only.



1GHz to 18GHz High Channel 2480MHz – Vertical polarity



Peak Data

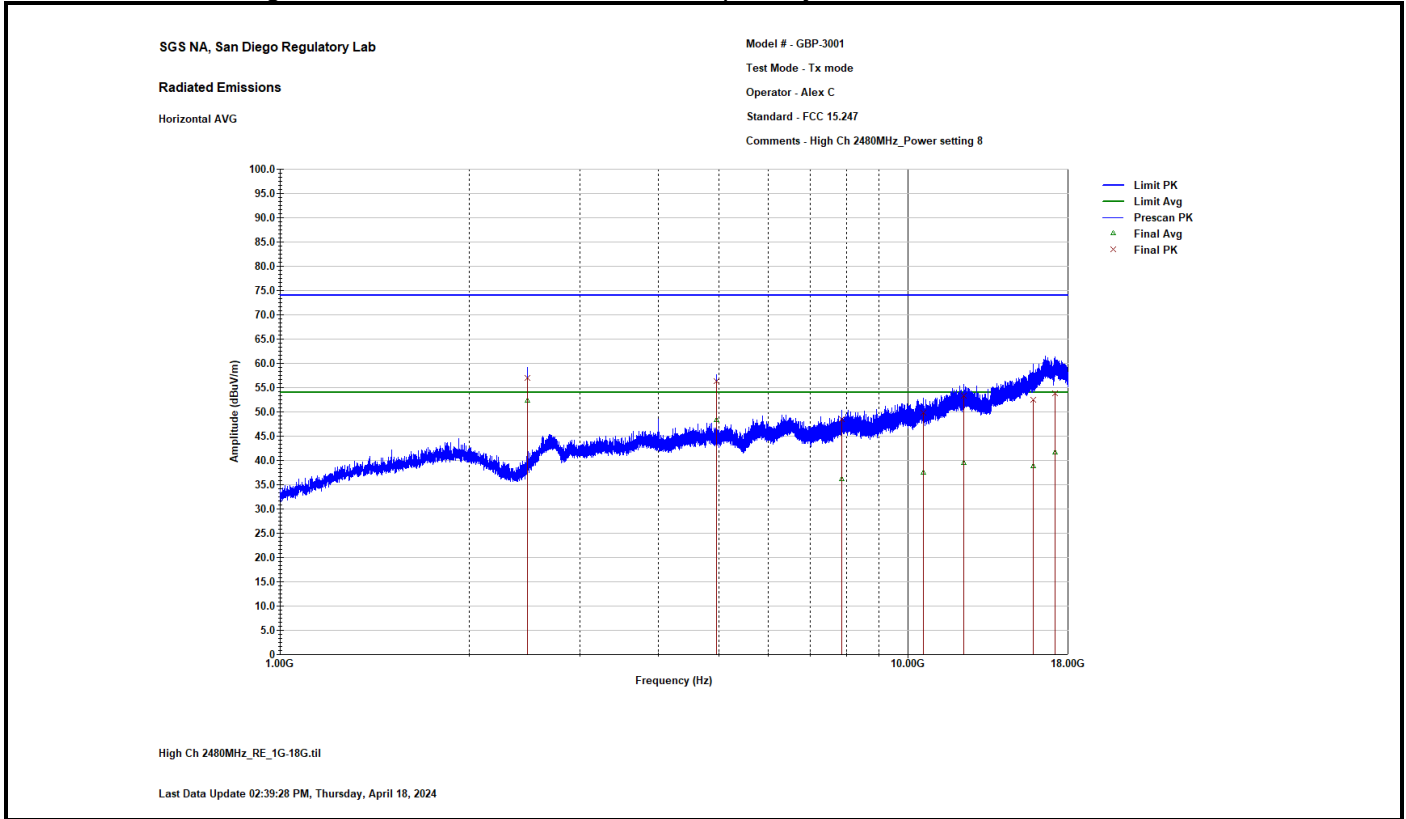
Freq. (MHz)	Final Pk (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
2479.85	59.65	Note				
4959.725	54.32	6.45	-19.68	74	400	320
7199.05	46.98	12.42	-27.02	74	400	36
12017.7	52.45	25.25	-21.55	74	400	227
16127.03	52.58	31.47	-21.42	74	400	194
16643.4	55.09	33.63	-18.91	74	400	223

Average Data

Freq. (MHz)	Final Avg (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
2479.85	55.34	Note				
4959.725	46.04	6.45	-7.96	54	400	320
7199.05	34.74	12.42	-19.26	54	400	36
12017.7	39.26	25.25	-14.74	54	400	227
16127.03	39.54	31.47	-14.46	54	400	194
16643.4	40.54	33.63	-13.46	54	400	223

Note: Fundamental frequency, not subject to the spurious emission limit. Result data provided for information purpose only.

1GHz to 18GHz High Channel 2480MHz – Horizontal polarity



Peak Data

Freq. (MHz)	Final Pk (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
2479.85	57.03	Note				
4959.725	56.27	6.45	-17.73	74	400	210
7856.95	48.53	14.58	-25.47	74	400	28
10590.97	49.8	20.6	-24.2	74	400	13
12270.57	53.27	25.83	-20.73	74	400	287
15853.1	52.57	30.55	-21.43	74	400	80
17175.5	53.89	32.8	-20.11	74	400	196

Average Data

Freq. (MHz)	Final Avg (dBµV/m)	Total Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Ant. Height (cm)	Azimuth (deg.)
2479.85	52.39	Note				
4959.725	48.26	6.45	-5.74	54	400	210
7856.95	36.09	14.58	-17.91	54	400	28
10590.97	37.41	20.6	-16.59	54	400	13
12270.57	39.49	25.83	-14.51	54	400	287
15853.1	38.86	30.55	-15.14	54	400	80
17175.5	41.6	32.8	-12.4	54	400	196

Note: Fundamental frequency, not subject to the spurious emission limit. Result data provided for information purpose only.

## 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
all emissions, radiated	$\pm 6$ dB	$\pm 4.8$ dB
temperature	$\pm 1^\circ\text{C}$	$\pm 0.5^\circ\text{C}$
humidity	$\pm 5$ %	$\pm 3.5\%$

## 6 Revision History

Revision Level	Description of changes	Revision Date
1	Initial release	25 June 2024