



FCC / ISED & Test Report

For:

Philips RS North America LLC

Model:

U.S (FCC): DSX510H11C, DSX510T11C, DSX520H11C, DSX520T11C, DSX420H11C, DSX420T11C, DSX410H11C, DSX410T11C, VAX520H21C, VAX520T21C, VAX520T21C15, DSX520T11C15

Canada (ISED): CAX410T12C, CAX521H12C, CAX410H12C, CAX521T12C, CAX510T12C, CAX521T12C15, CAX510H12C

Product Description:

CPAP machine with integral Cell modem and BT

Applied Rules and Standards:

47 CFR Parts 22, 24, 27 and 90

RSS: 130 Issue 2, 132 Issue 3, 133 Issue 6, 139 Issue 3, 199 Issue 3

FCC ID: THO1141623

IC ID: 3234B-1141623

REPORT #: EMC_PHIL4-111-22001_FCC_22_24_27_90

DATE: 2022-04-15



A2LA Accredited

IC recognized #
3462B-1

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CETECOM Inc. is a Delaware Corporation with Corporation number: 2905571

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1 Assessment

The following device as further described in section 3 of this report was evaluated against the applicable criteria specified in the Code of Federal Regulations Title 47 parts 22, 24, 27, 90, and Industry Canada Standards RSS-GEN issue 5, RSS-130 Issue 2, RSS-132 Issue 3, RSS-133 Issue 6, RSS-139 Issue 3, RSS-199 Issue 3.

No deficiencies were ascertained.

Company Name	Product Description	Model #
Philips RS North America LLC	CPAP machine with integral Cell modem and BT	U.S (FCC): DSX510H11C, DSX510T11C, DSX520H11C, DSX520T11C, DSX420H11C, DSX420T11C, DSX410H11C, DSX410T11C, VAX520H21C, VAX520T21C, VAX520T21C15, DSX520T11C15 Canada (ISED): CAX410T12C, CAX521H12C, CAX410H12C, CAX521T12C, CAX510T12C, CAX521T12C15, CAX510H12C

Responsible for Testing Laboratory:

2022-04-15	Compliance	Kevin Wang (EMC Lab Manager)	kevin. wang@cete com.com 
Date	Section	Name	Signature

Responsible for the Report:

2022-04-15	Compliance	Cheng Song (EMC Engineer)	cheng. song@c etecom. com 
Date	Section	Name	Signature

The test results of this test report relate exclusively to the test item specified in Section 3.

CETECOM Inc. USA does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written approval of CETECOM Inc. USA.

2 Administrative Data

2.1 Identification of the Testing Laboratory Issuing the EMC Test Report

Company Name:	CETECOM Inc.
Department:	Compliance
Street Address:	411 Dixon Landing Road
City/Zip Code	Milpitas, CA 95035
Country	USA
Telephone:	+1 (408) 586 6200
Fax:	+1 (408) 586 6299
EMC Lab Manager:	Kevin Wang
Responsible Project Leader:	Cathy Palacios

2.2 Identification of the Client

Client's Name:	Philips RS North America LLC
Street Address:	6501 Living Place
City/Zip Code	Pittsburgh PA 15206
Country	USA

2.3 Identification of the Manufacturer

Manufacturer's Name:	Same as Client
Manufacturers Address:	
City/Zip Code	
Country	

3 Equipment Under Test (EUT)

3.1 EUT Specifications

Model No	U.S (FCC): DSX510H11C, DSX510T11C, DSX520H11C, DSX520T11C, DSX420H11C, DSX420T11C, DSX410H11C, DSX410T11C, VAX520H21C, VAX520T21C, VAX520T21C15, DSX520T11C15 Canada (ISED): CAX410T12C, CAX521H12C, CAX410H12C, CAX521T12C, CAX510T12C, CAX521T12C15, CAX510H12C
HW Version	00
SW Version	V1.0.5
FCC-ID	THO1141623
IC-ID:	3234B-1141623
PMN:	DreamStation 2 Advanced Auto CPAP
Product Description	CPAP machine with integral Cell modem and BT
Radios included in device	Cellular: • u-blox SARA-R500Sv1 (CAT-M1) • FCC ID: XPYUBX19KM01; IC ID: 8595A-UBX19KM01 • LTE Bands: 1, 2, 3, 4, 5, 8, 12, 13, 18, 19, 20, 25, 26, 28, 66, 71 Bluetooth: • Dialog DA14585 SoC (BLE)
Max. declared antenna gain	Cellular: • Flexible Polymer Antenna • Max gain: 4 dBi Bluetooth: • PCB Trace Antenna • Max gain: 2.81 dBi
Power Supply/ Rated Operating Voltage Range	10.8 V (Low) / 12 V (Nominal) / 13.2 V (Max)
Operating Temperature Range	5°C ~ +35°C
Sample Revision	☐ Prototype ☐ Production ☒ Pre-Production

3.2 EUT Sample details

EUT #	Model Number	HW Version	SW Version	Comments
1	DSX510H11C	00	V1.0.5	

3.3 Accessory Equipment (AE) details

AE #	Type	Model	Manufacturer	Serial Number
1	AC / DC adapter	MEA-080A12C	Delta Electronics, Inc.	

3.4 Test Sample Configuration

Set-up #	EUT / AE used for set-up	Comments
1	EUT#1+AE#1	

4 **Subject of Investigation**

The objective of the measurements done by CETECOM Inc. was to evaluate the compliance of the EUT against the relevant requirements specified in the Code of Federal Regulations Title 47 parts 22, 24, 27, 90 and ISSED Standards RSS-130 Issue 2, RSS-132 Issue 3, RSS-133 Issue 6, RSS-139 Issue 3, RSS-199 Issue 3.

4.1 **Dates of Testing:**

3/9/2022 - 3/29/2022

4.2 **Measurement Uncertainty**

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus, with 95% confidence interval (in dB delta to result), based on a coverage factor k=1.

Measurement System	EMC 1	EMC 2
Conducted Emissions (mains port)	1.12 dB	0.46 dB
Radiated Emissions		
(<30 MHz)	3.66 dB	3.88 dB
(30 MHz – 1 GHz)	3.17 dB	3.34 dB
(1 GHz – 3 GHz)	5.01 dB	4.45 dB
(> 3 GHz)	4.0 dB	4.79 dB

4.3 **Environmental Conditions during Testing:**

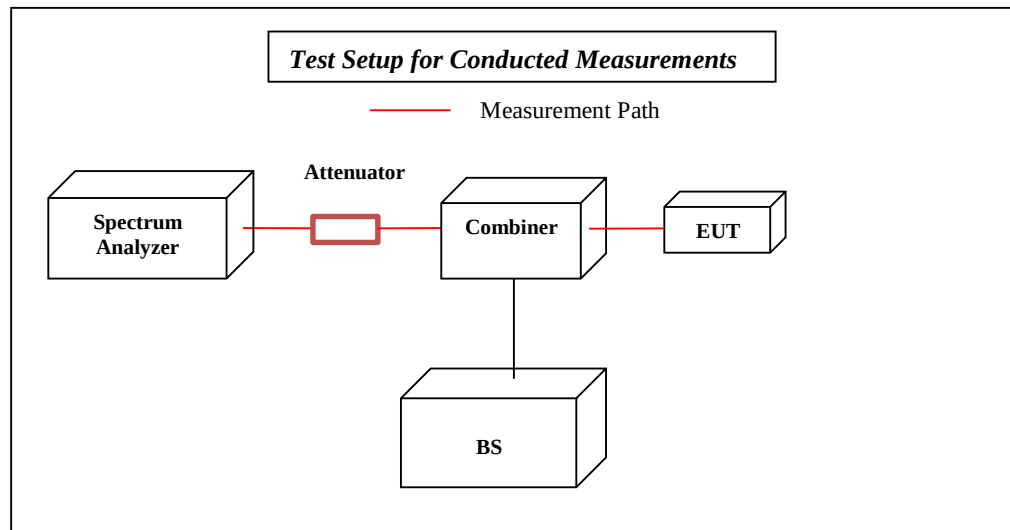
The following environmental conditions were maintained during the course of testing:

- Ambient Temperature: 20-25°C
- Relative humidity: 40-60%

Deviating test conditions are indicated at individual test description where applicable.

5 Measurement Procedures

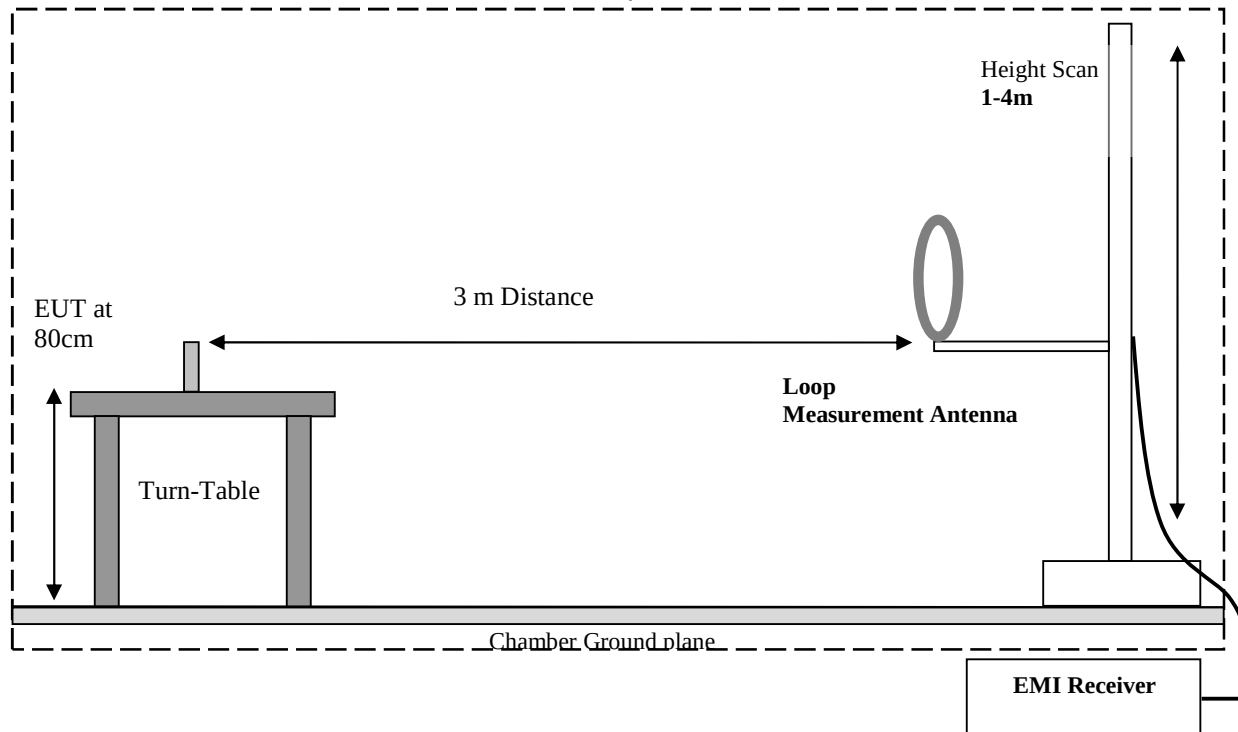
Testing is performed according to the guidelines provided in FCC publication (KDB) 971168 D01 v03r01 – “Measurement Guidance for Certification of Licensed Digital Transmitters” and according to relevant parts of ANSI/TIA-603-D-2010 as detailed below.



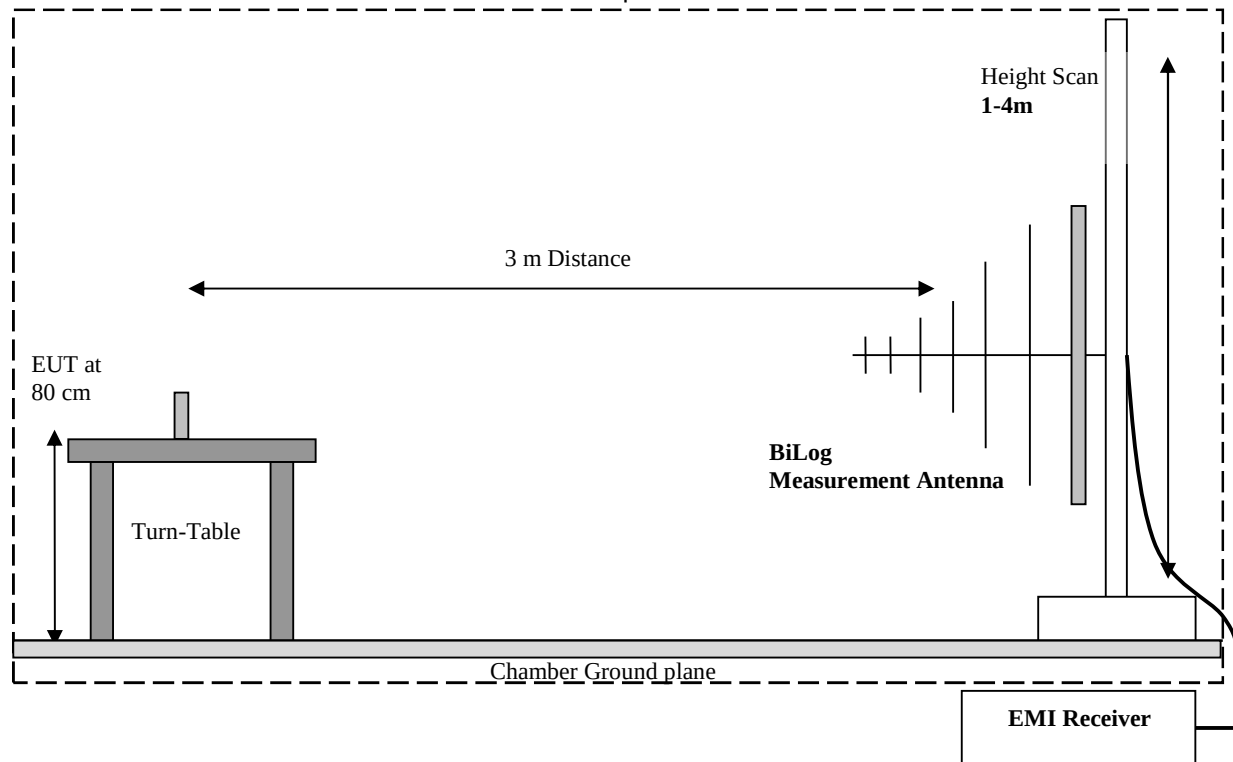
5.1 Radiated Measurement

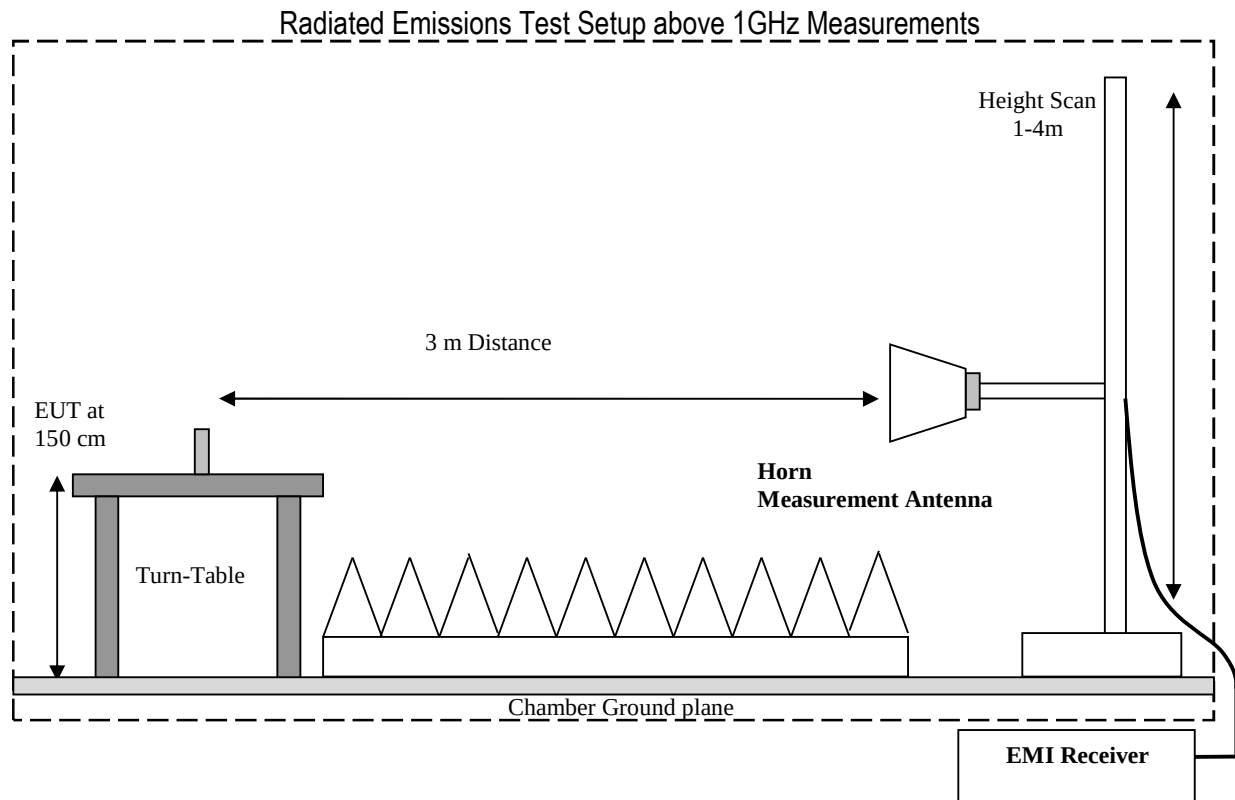
- The exploratory measurement is accomplished by running a matrix of 16 sweeps over the required frequency range with R&S Test-SW EMC32 for 4 positions of the turntable, two orthogonal positions of the EUT and both antenna polarizations. This procedure exceeds the requirement of the above standards to cover the 3 orthogonal axis of the EUT. A max peak detector is utilized during the exploratory measurement. The Test-SW creates an overall maximum trace for all 12 sweeps and saves the settings for each point of this trace. The maximum trace is part of the test report.
- The 10 highest emissions are selected with an automatic algorithm of EMC32 searching for peaks in the noise floor and ensuring that broadband signals are not selected multiple times.
- The maxima are then put through the final measurement and again maximized in a 90deg range of the turntable, fine search in frequency domain and height scan between 1m and 4m.
- The above procedure is repeated for all possible ways of power supply to EUT and for all supported modulations.
- In case there are no emissions above noise floor level only the maximum trace is reported as described above.
- The results are split up into up to 4 frequency ranges due to antenna bandwidth restrictions. A magnetic loop is used from 9 kHz to 30 MHz, a Biconilog antenna is used from 30 MHz to 1 GHz, and two different horn antennas are used to cover frequencies up to 40 GHz.

Radiated Emissions Test Setup below 30MHz Measurements



Radiated Emissions Test Setup 30MHz-1GHz Measurements





5.2 Sample Calculations for Field Strength Measurements

Field Strength is calculated from the Spectrum Analyzer/ Receiver readings, taking into account the following parameters:

- Measured reading in dB μ V
- Cable Loss between the receiving antenna and SA in dB and
- Antenna Factor in dB/m

All radiated measurement plots in this report are taken from a test SW that calculates the Field Strength based on the following equation:

$$FS \text{ (dB}\mu\text{V/m)} = \text{Measured Value on SA (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$$

Example:

Frequency (MHz)	Measured SA (dB μ V)	Cable Loss (dB)	Antenna Factor Correction (dB)	Field Strength Result (dB μ V/m)
1000	80.5	3.5	14	98.0

6 Measurement Results Summary

6.1 Part 22 / RSS-132

Test Specification	Test Case	Temperature and Voltage Conditions	Mode	Pass	Fail	NA	NP	Result
§2.1046; §22.913 (a)	RF Output Power	Nominal		☐	☐	☐	■	Note 2
§2.1055; §22.355	Frequency Tolerance	Extreme Temperature and Voltage		☐	☐	☐	■	Note 2
§2.1049; §22.917	Occupied Bandwidth	Nominal		☐	☐	☐	■	Note 2
§2.1051; §22.917	Band Edge Compliance	Nominal		☐	☐	☐	■	Note 2
§2.1051; §22.917	Conducted Spurious Emissions	Nominal		☐	☐	☐	■	Note 2
§2.1053; §22.917	Radiated Spurious Emissions	Nominal	LTE 5	■	☐	☐	☐	Complies

Note 1: NA= Not Applicable; NP= Not Performed.

Note 2: Leveraged from module certification report under FCC ID: XPYUBX19KM01.

6.2 Part 24 / RSS-133

Test Specification	Test Case	Temperature and Voltage Conditions	Mode	Pass	Fail	NA	NP	Result
§2.1046; §24.232 (a)	RF Output Power	Nominal		☐	☐	☐	■	Note 2
§2.1055; §24.235	Frequency Stability	Extreme Temperature and Voltage		☐	☐	☐	■	Note 2
§2.1049; §24.238	Occupied Bandwidth	Nominal		☐	☐	☐	■	Note 2
§2.1051; §24.238	Band Edge Compliance	Nominal		☐	☐	☐	■	Note 2
§2.1051; §24.238	Conducted Spurious Emissions	Nominal		☐	☐	☐	■	Note 2
§2.1053; §24.238	Radiated Spurious Emissions	Nominal	LTE 2 LTE 25	■	☐	☐	☐	Complies

Note 1: NA= Not Applicable; NP= Not Performed.

Note 2: Leveraged from module certification report under FCC ID: XPYUBX19KM01.

6.3 Part 27, 90 / RSS-130, RSS-139, RSS-199

Test Specification	Test Case	Temperature and Voltage Conditions	Mode	Pass	Fail	NA	NP	Result
§2.1046; §27.50	RF Output Power	Nominal		☐	☐	☐	■	Note 2
§2.1055; §27.54	Frequency Stability	Extreme Temperature and Voltage		☐	☐	☐	■	Note 2
§2.1049; §27.53	Occupied Bandwidth	Nominal		☐	☐	☐	■	Note 2
§2.1051; §27.53	Band Edge Compliance	Nominal		☐	☐	☐	■	Note 2
§2.1051; §27.53	Conducted Spurious Emissions	Nominal		☐	☐	☐	■	Note 2
§2.1053; §27.53	Radiated Spurious Emissions	Nominal	LTE 4 LTE 12 LTE 13 LTE 26 LTE 66 LTE 71 LTE 8	■	☐	☐	☐	Complies

Note 1: NA= Not Applicable; NP= Not Performed.

Note 2: Leveraged from module certification report under FCC ID: XPYUBX19KM01.

7 Test Result Data

7.1 Radiated Spurious Emissions

7.1.1 Measurement utilizing KDB 971168 D01 Power Meas License Digital Systems v03r01, and according to ANSI/TIA-603-D-2010

Spectrum Analyzer Settings for FCC 22

Frequency Range	30MHz – 1 GHz	1 – 1.58 GHz	1.58 – 9 GHz
Resolution Bandwidth	100 kHz	1 MHz	1 MHz
Video Bandwidth	100 kHz	1 MHz	1 MHz
Detector	Peak	Peak	Peak
Trace Mode	Max Hold	Max Hold	Max Hold
Sweep Time	Auto	Auto	Auto

Spectrum Analyzer Settings for FCC 24

Frequency Range	30MHz – 1 GHz	1 – 2.7 GHz	2.7 – 18 GHz	18 – 19.1 GHz
Resolution Bandwidth	100 kHz	1 MHz	1 MHz	1 MHz
Video Bandwidth	100 kHz	1 MHz	1 MHz	1 MHz
Detector	Peak	Peak	Peak	Peak
Trace Mode	Max Hold	Max Hold	Max Hold	Max Hold
Sweep Time	Auto	Auto	Auto	Auto

7.1.2 Limits:

7.1.2.1 FCC Part 22.917 (a); FCC Part 24.238 (a); FCC Part 27.53 (h)

Out of band emissions. 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.

7.1.2.2 RSS-130 Part 4.7, RSS-132 Part 5.5; RSS-133 Part 6.5; RSS-139 Part 6.6, RSS-199 Part 4.5 Transmitter Unwanted Emissions

Mobile and base station equipment shall comply with the limits in (i) and (ii) below.

i. In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts).

ii. After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts). If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

Note: The limit calculation result is a constant of -13 dBm.

7.1.3 Test conditions and setup:

Ambient Temperature (C)	EUT Set-Up #	EUT operating mode	Power Input
23	1	Cellular simultaneous with BLE	120 VAC

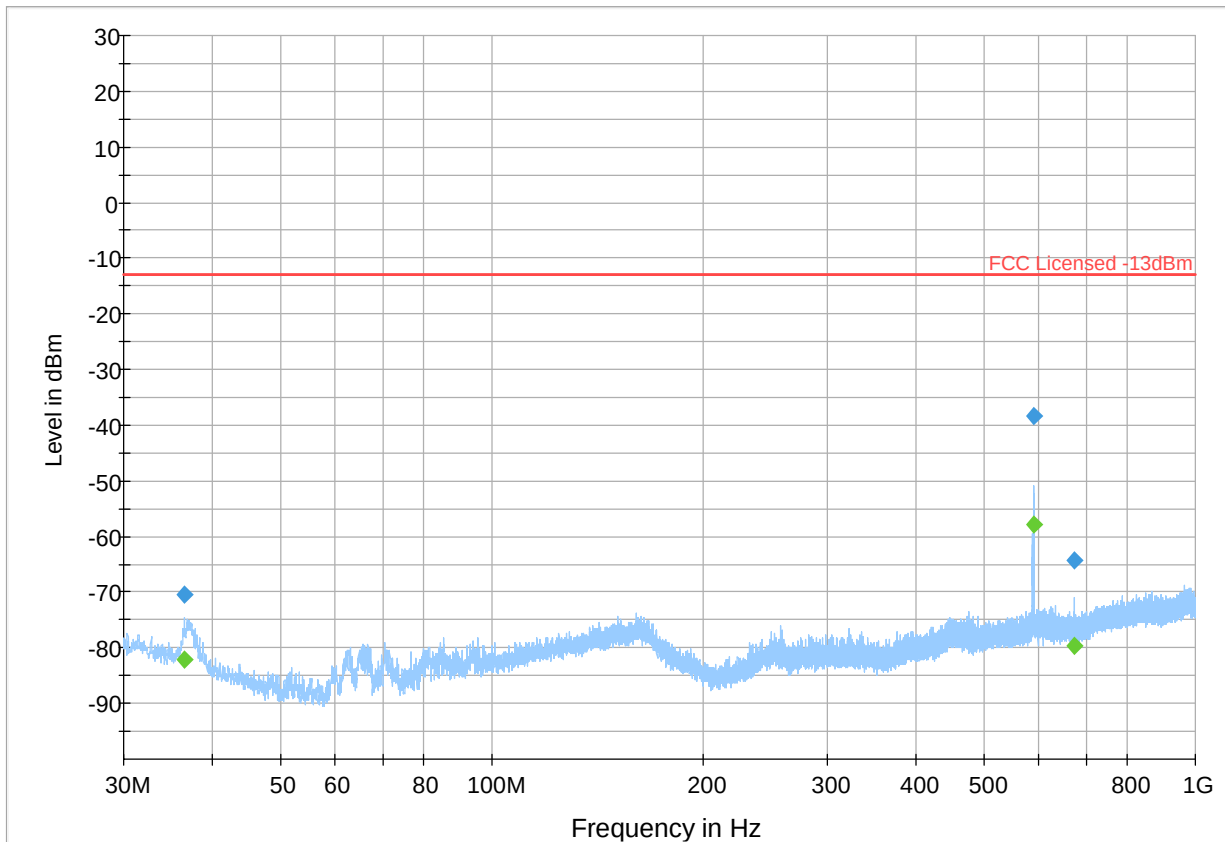
7.1.4 Measurement result:

Plot #	Channel	EUT operating mode	Scan Frequency	Limit (dBm)	Result
1-3	Low	LTE 2 + BLE	30 MHz – 18 GHz	-13	Pass
4-8	Mid	LTE 2 + BLE	9 kHz – 22 GHz	-13	Pass
9-11	High	LTE 2 + BLE	30 MHz – 18 GHz	-13	Pass
12-14	Low	LTE 4 + BLE	30 MHz – 18 GHz	-13	Pass
15-18	Mid	LTE 4 + BLE	9 kHz – 18 GHz	-13	Pass
19-21	High	LTE 4 + BLE	30 MHz – 18 GHz	-13	Pass
22-24	Low	LTE 5 + BLE	30 MHz – 9 GHz	-13	Pass
25-28	Mid	LTE 5 + BLE	9 kHz – 9 GHz	-13	Pass
29-31	High	LTE 5 + BLE	30 MHz – 9 GHz	-13	Pass
32-34	Low	LTE 12 + BLE	30 MHz – 9 GHz	-13	Pass
35-38	Mid	LTE 12 + BLE	9 kHz – 9 GHz	-13	Pass
39-41	High	LTE 12 + BLE	30 MHz – 9 GHz	-13	Pass
42-44	Low	LTE 13 + BLE	30 MHz – 9 GHz	-13	Pass
45-48	Mid	LTE 13 + BLE	9 kHz – 9 GHz	-13	Pass
49-51	High	LTE 13 + BLE	30 MHz – 9 GHz	-13	Pass
52-54	Low	LTE 25 + BLE	30 MHz – 18 GHz	-13	Pass
55-59	Mid	LTE 25 + BLE	9 kHz – 22 GHz	-13	Pass
60-62	High	LTE 25 + BLE	30 MHz – 18 GHz	-13	Pass
63-65	Low	LTE 26 + BLE	30 MHz – 9 GHz	-13	Pass
66-69	Mid	LTE 26 + BLE	9 kHz – 9 GHz	-13	Pass
70-72	High	LTE 26 + BLE	30 MHz – 9 GHz	-13	Pass
73-75	Low	LTE 66 + BLE	30 MHz – 18 GHz	-13	Pass
76-79	Mid	LTE 66 + BLE	9 kHz – 18 GHz	-13	Pass
80-82	High	LTE 66 + BLE	30 MHz – 18 GHz	-13	Pass
83-85	Low	LTE 71 + BLE	30 MHz – 9 GHz	-13	Pass
86-89	Mid	LTE 71 + BLE	9 kHz – 9 GHz	-13	Pass
90-92	High	LTE 71 + BLE	30 MHz – 9 GHz	-13	Pass
93-95	Low	LTE 8 + BLE	30 MHz – 9 GHz	-13	Pass
96-99	Mid	LTE 8 + BLE	9 kHz – 9 GHz	-13	Pass
100-102	High	LTE 8 + BLE	30 MHz – 9 GHz	-13	Pass

7.1.5 Measurement Plots:

Plot # 1

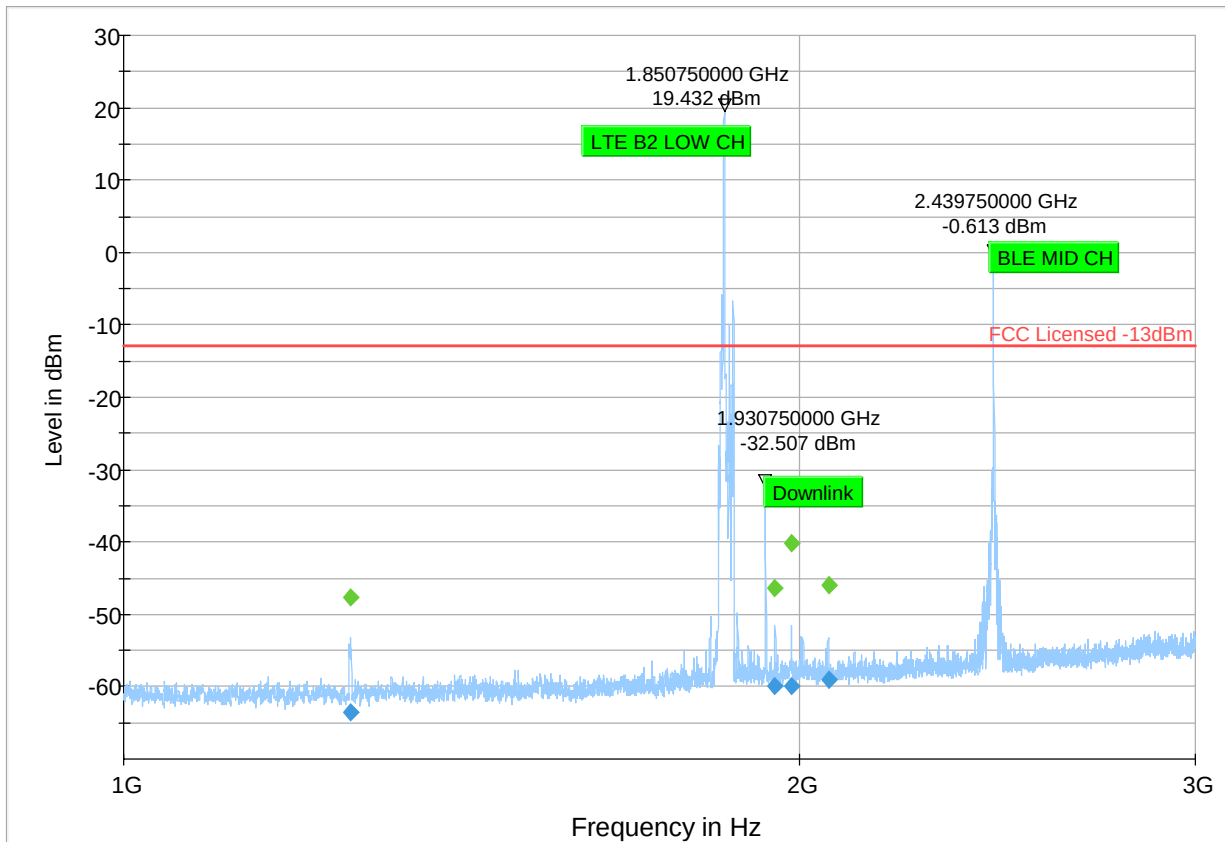
Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
36.62	---	-82.15	---	---	500.0	120.0	158.0	V	125.0	-109.6
36.62	-70.43	---	-13.00	57.43	500.0	120.0	158.0	V	125.0	-109.6
589.28	---	-57.89	---	---	500.0	120.0	107.0	H	312.0	-102.4
589.28	-38.37	---	-13.00	25.37	500.0	120.0	107.0	H	312.0	-102.4
671.51	---	-79.76	---	---	500.0	120.0	117.0	H	291.0	-102.9
671.51	-64.28	---	-13.00	51.28	500.0	120.0	117.0	H	291.0	-102.9



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result PK+ Final_Result RM

Plot # 2

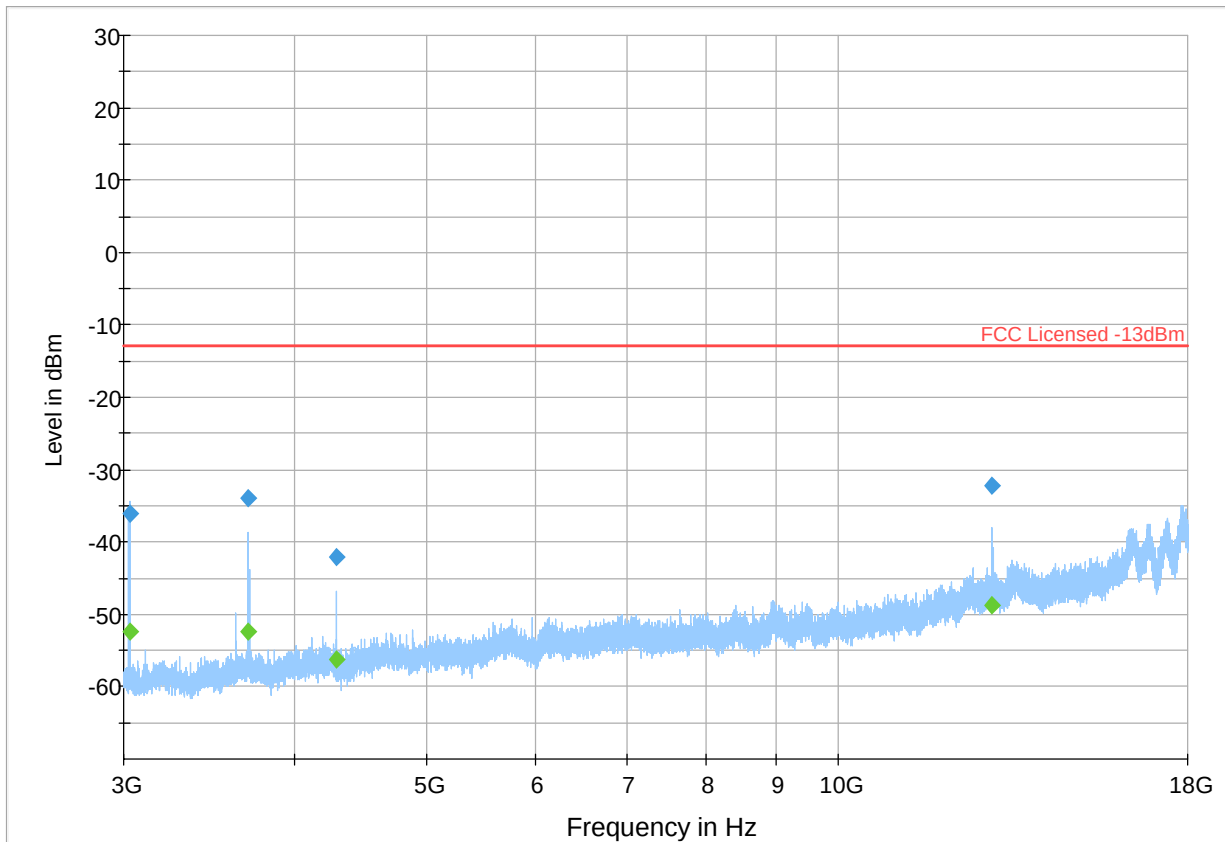
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1261.50	-63.67	---	-13.00	50.67	500.0	1000.0	116.0	H	85.0	-92.4
1261.50	---	-47.67	---	---	500.0	1000.0	116.0	H	85.0	-92.4
1950.00	-59.99	---	-13.00	46.99	500.0	1000.0	193.0	H	342.0	-90.6
1950.00	---	-46.33	---	---	500.0	1000.0	193.0	H	342.0	-90.6
1982.75	-59.86	---	-13.00	46.86	500.0	1000.0	235.0	H	-10.0	-90.3
1982.75	---	-40.13	---	---	500.0	1000.0	235.0	H	-10.0	-90.3
2058.75	-59.16	---	-13.00	46.16	500.0	1000.0	180.0	H	-11.0	-90.1
2058.75	---	-45.90	---	---	500.0	1000.0	180.0	H	-11.0	-90.1



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

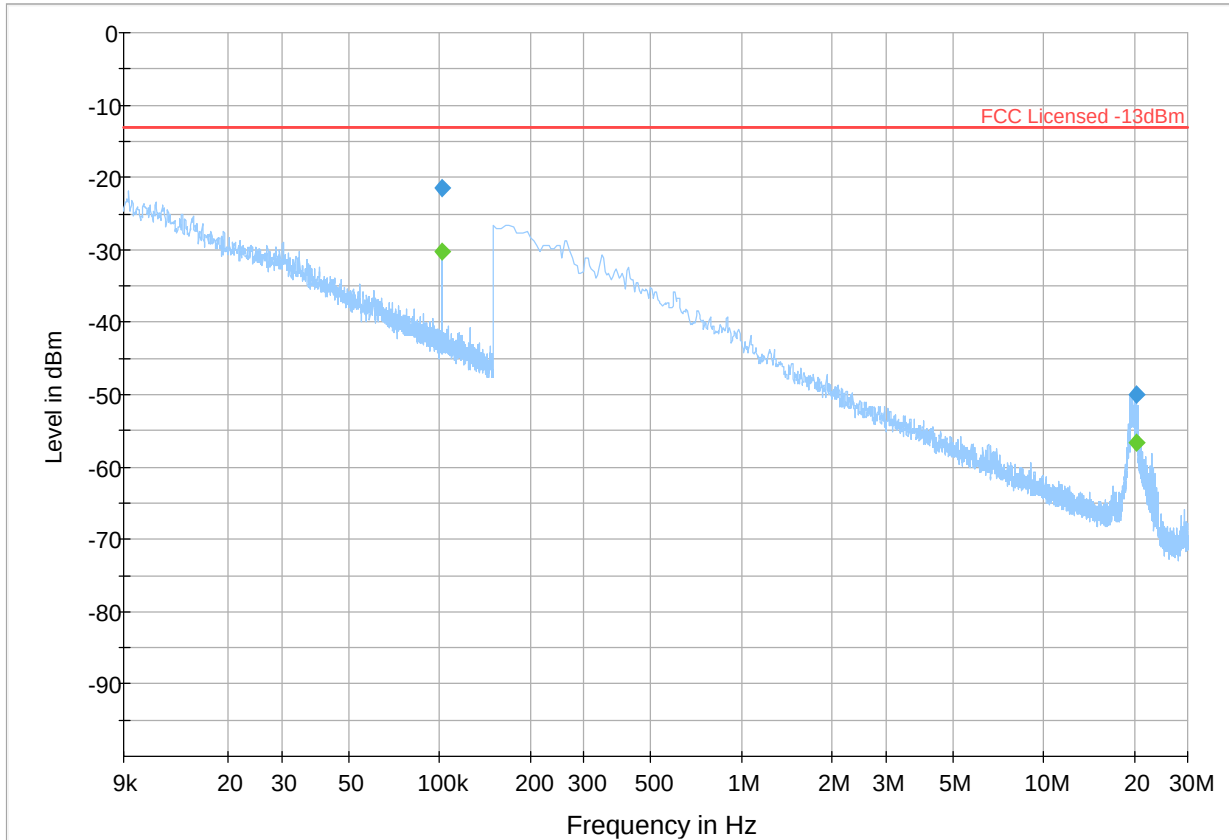
Plot # 3

Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3028.75	---	-52.48	---	---	500.0	1000.0	176.0	H	114.0	-103.1
3028.75	-36.11	---	-13.00	23.11	500.0	1000.0	176.0	H	114.0	-103.1
3700.75	---	-52.33	---	---	500.0	1000.0	121.0	H	228.0	-100.6
3700.75	-33.87	---	-13.00	20.87	500.0	1000.0	121.0	H	228.0	-100.6
4290.25	---	-56.35	---	---	500.0	1000.0	107.0	H	263.0	-99.5
4290.25	-42.05	---	-13.00	29.05	500.0	1000.0	107.0	H	263.0	-99.5
12953.25	---	-48.78	---	---	500.0	1000.0	161.0	V	270.0	-86.5
12953.25	-32.24	---	-13.00	19.24	500.0	1000.0	161.0	V	270.0	-86.5



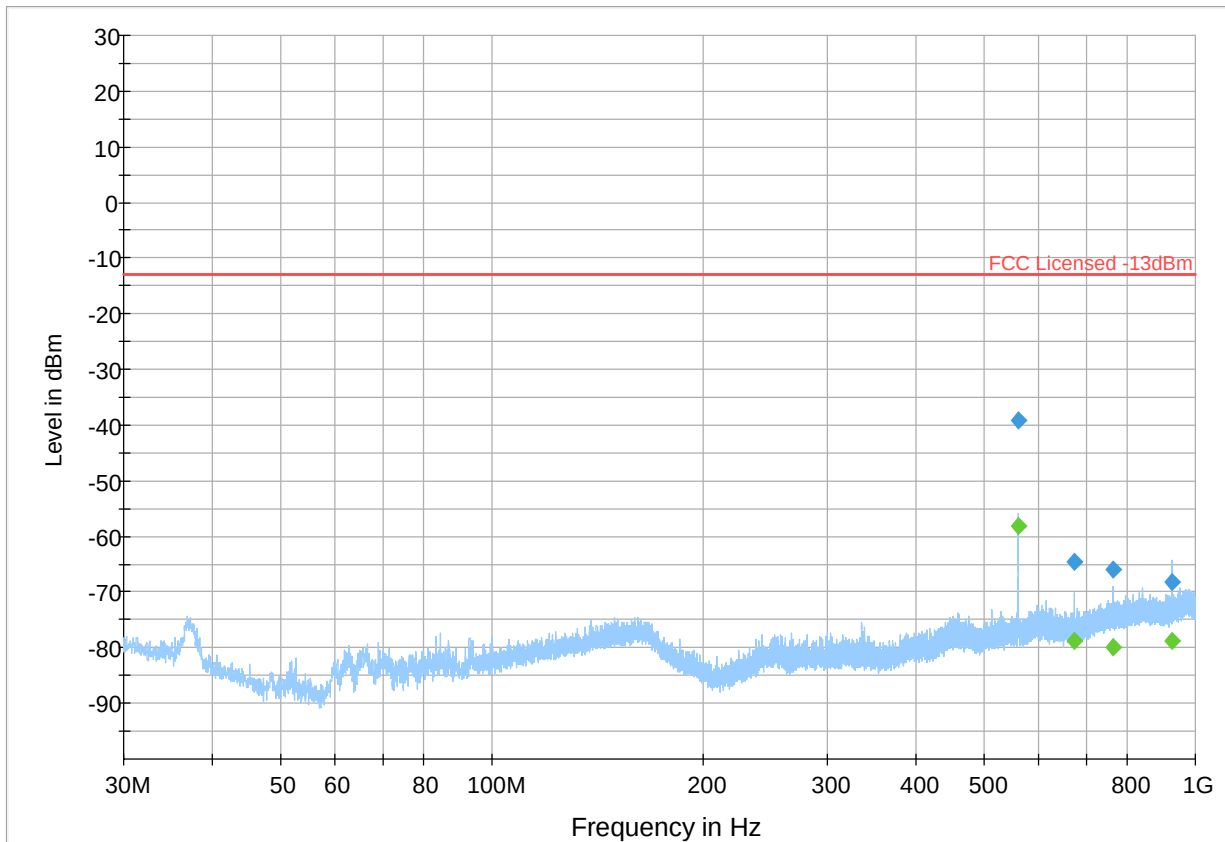
Plot # 4

Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.10	---	-30.17	---	---	500.0	9.0	100.0	V	119.0	-76.9
0.10	-21.40	---	-13.00	8.40	500.0	9.0	100.0	V	119.0	-76.9
20.22	---	-56.74	---	---	500.0	9.0	100.0	V	143.0	-78.8
20.22	-49.94	---	-13.00	36.94	500.0	9.0	100.0	V	143.0	-78.8



Plot # 5

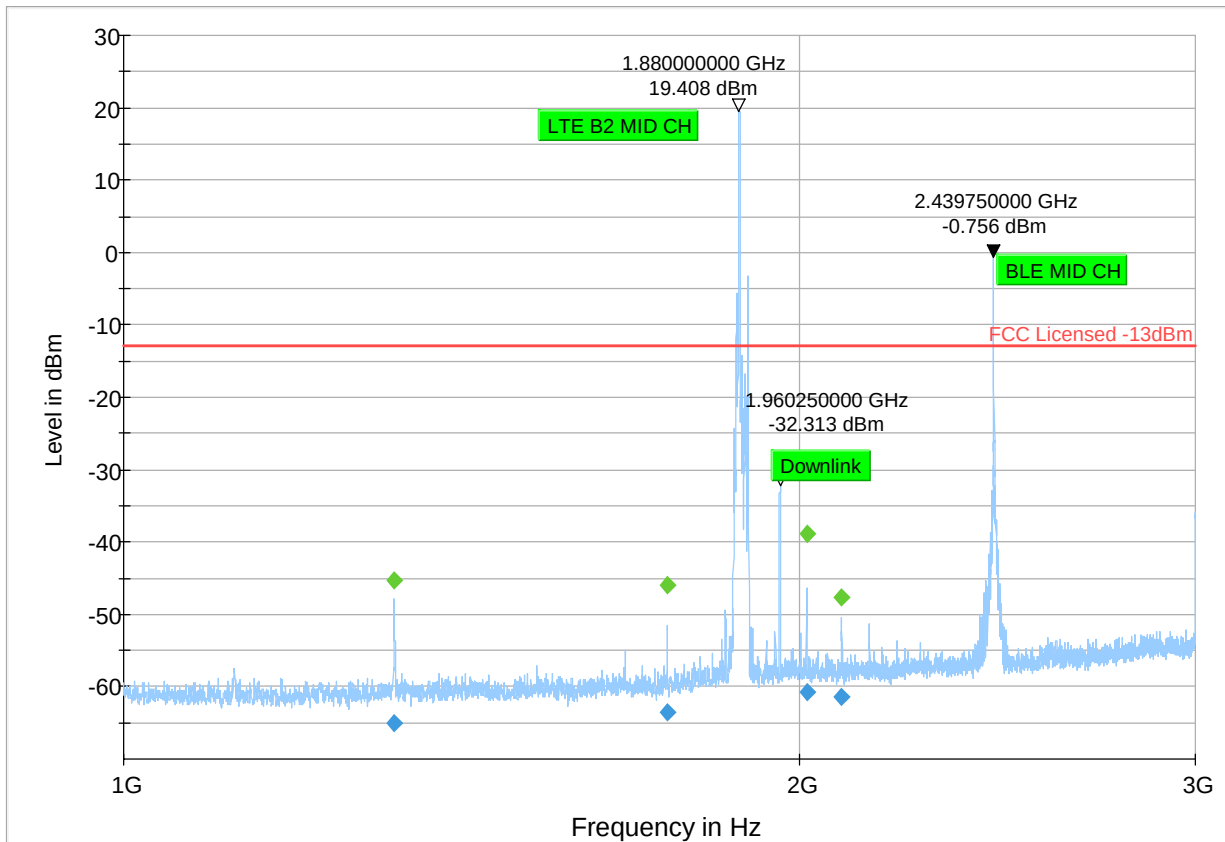
Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
559.74	---	-58.08	---	---	500.0	120.0	150.0	H	158.0	-103.5
559.74	-39.19	---	-13.00	26.19	500.0	120.0	150.0	H	158.0	-103.5
671.41	---	-78.74	---	---	500.0	120.0	142.0	H	273.0	-102.9
671.41	-64.66	---	-13.00	51.66	500.0	120.0	142.0	H	273.0	-102.9
764.85	---	-79.79	---	---	500.0	120.0	100.0	V	4.0	-100.1
764.85	-65.85	---	-13.00	52.85	500.0	120.0	100.0	V	4.0	-100.1
925.67	---	-78.75	---	---	500.0	120.0	275.0	V	33.0	-98.1
925.67	-68.16	---	-13.00	55.16	500.0	120.0	275.0	V	33.0	-98.1



— Preview Result 1-PK+
 — FCC Licensed -13dBm
 ◆ Final_Result PK+
 ◆ Final_Result RM

Plot # 6

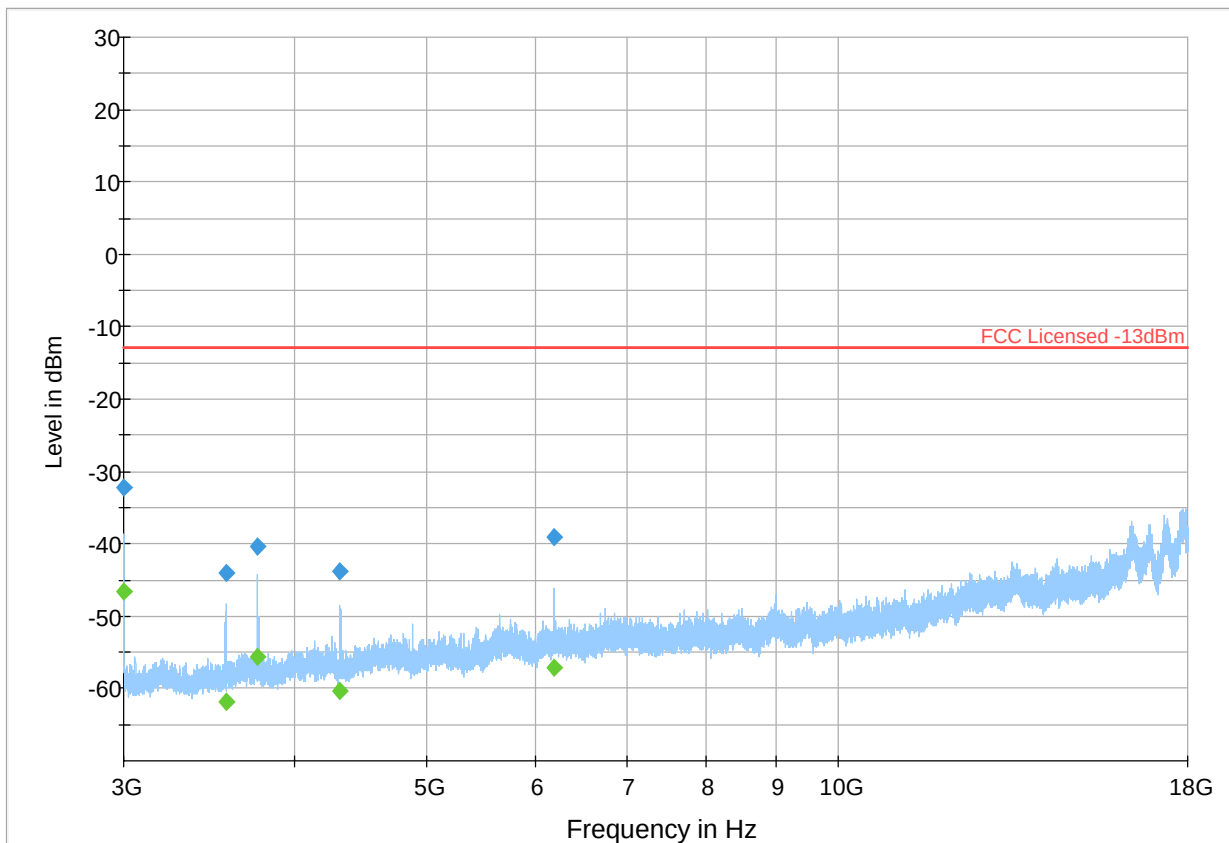
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1319.50	---	-45.37	---	---	500.0	1000.0	160.0	H	303.0	-92.8
1319.50	-65.03	---	-13.00	52.03	500.0	1000.0	160.0	H	303.0	-92.8
1746.00	-63.53	---	-13.00	50.53	500.0	1000.0	151.0	H	264.0	-91.3
1746.00	---	-45.91	---	---	500.0	1000.0	151.0	H	264.0	-91.3
2013.75	---	-38.99	---	---	500.0	1000.0	177.0	H	351.0	-90.1
2013.75	-60.71	---	-13.00	47.71	500.0	1000.0	177.0	H	351.0	-90.1
2087.50	-61.39	---	-13.00	48.39	500.0	1000.0	142.0	H	344.0	-90.0
2087.50	---	-47.76	---	---	500.0	1000.0	142.0	H	344.0	-90.0



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 7

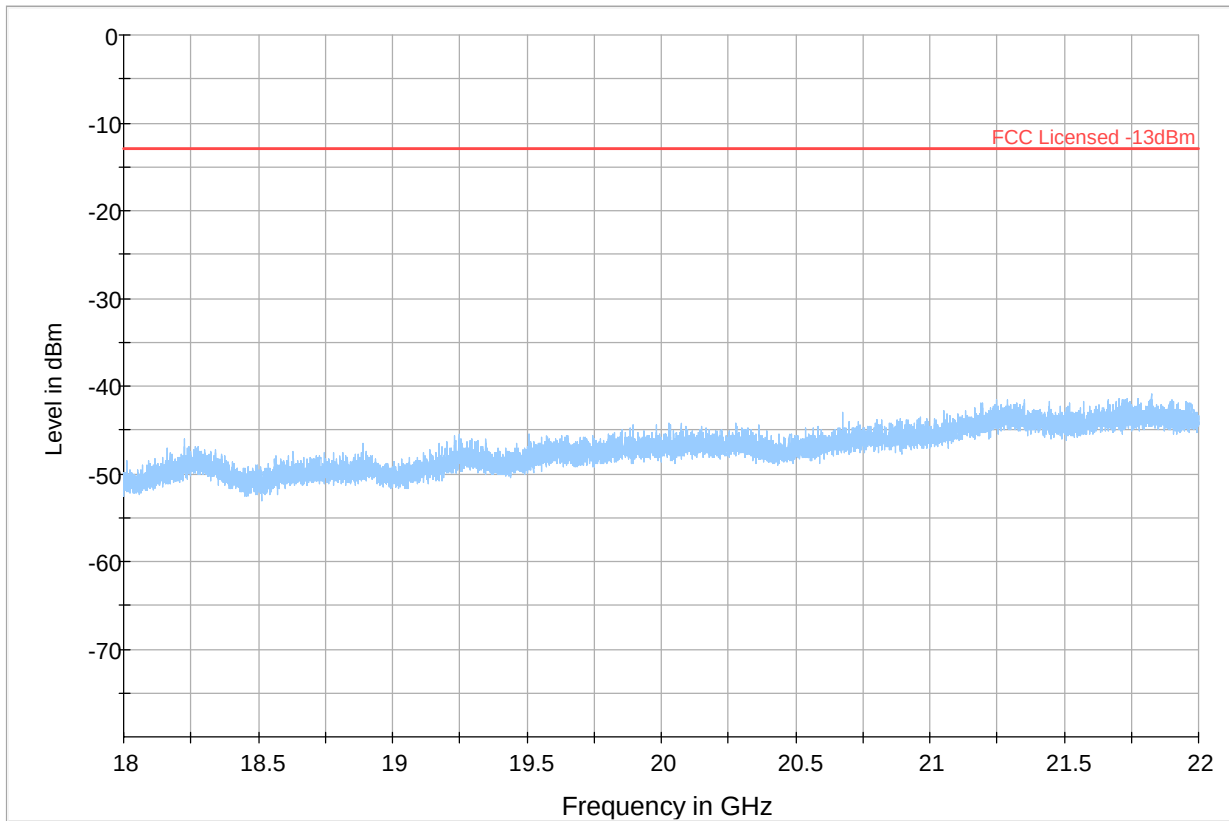
Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3001.50	---	-46.58	---	---	500.0	1000.0	286.0	H	333.0	-102.9
3001.50	-32.19	---	-13.00	19.19	500.0	1000.0	286.0	H	333.0	-102.9
3564.50	---	-61.80	---	---	500.0	1000.0	151.0	H	226.0	-101.8
3564.50	-43.95	---	-13.00	30.95	500.0	1000.0	151.0	H	226.0	-101.8
3755.50	---	-55.63	---	---	500.0	1000.0	100.0	V	127.0	-100.9
3755.50	-40.38	---	-13.00	27.38	500.0	1000.0	100.0	V	127.0	-100.9
4317.25	---	-60.29	---	---	500.0	1000.0	202.0	H	124.0	-99.8
4317.25	-43.91	---	-13.00	30.91	500.0	1000.0	202.0	H	124.0	-99.8
6195.75	---	-57.18	---	---	500.0	1000.0	220.0	H	239.0	-96.0
6195.75	-39.09	---	-13.00	26.09	500.0	1000.0	220.0	H	239.0	-96.0



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result PK+ Final_Result RM

Plot # 8

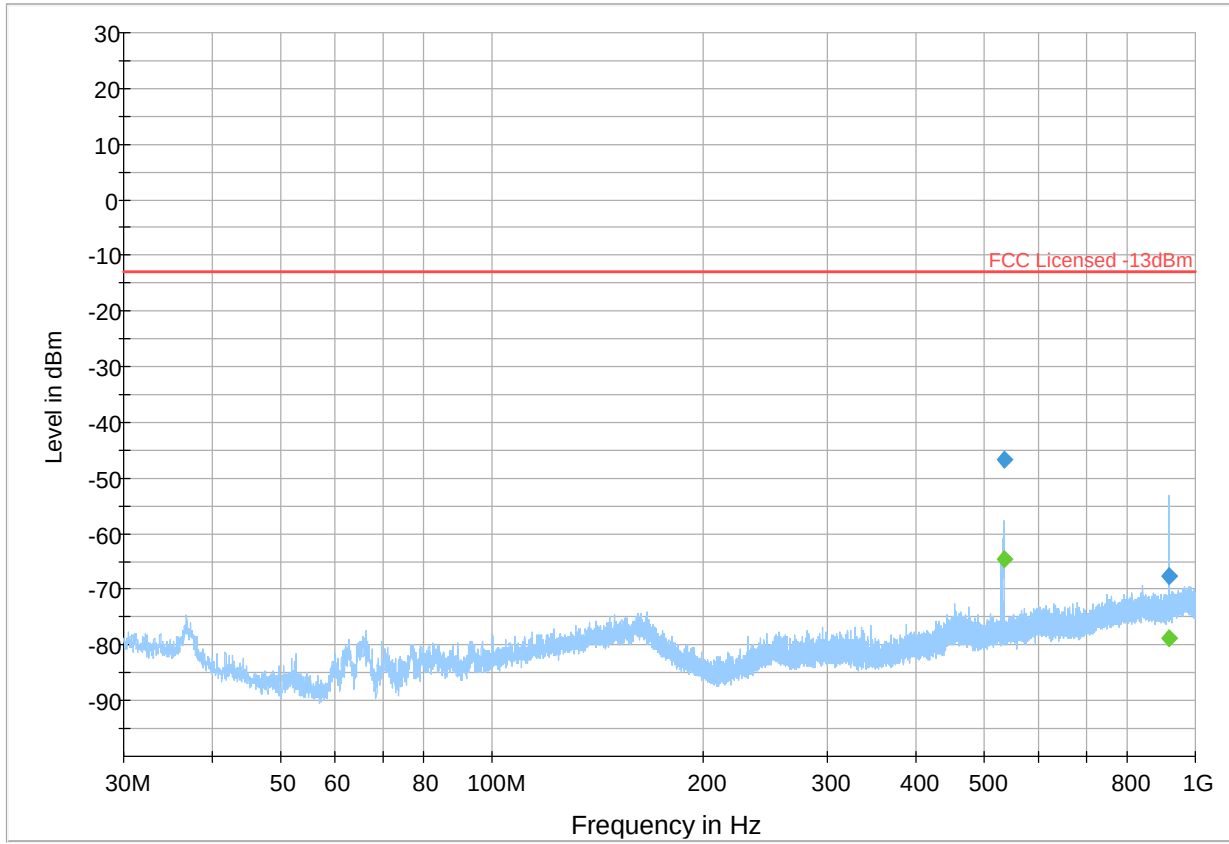
Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---	---	---		---	---



Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
◆ Final_Result PK+ ◆ Final_Result RMS

Plot # 9

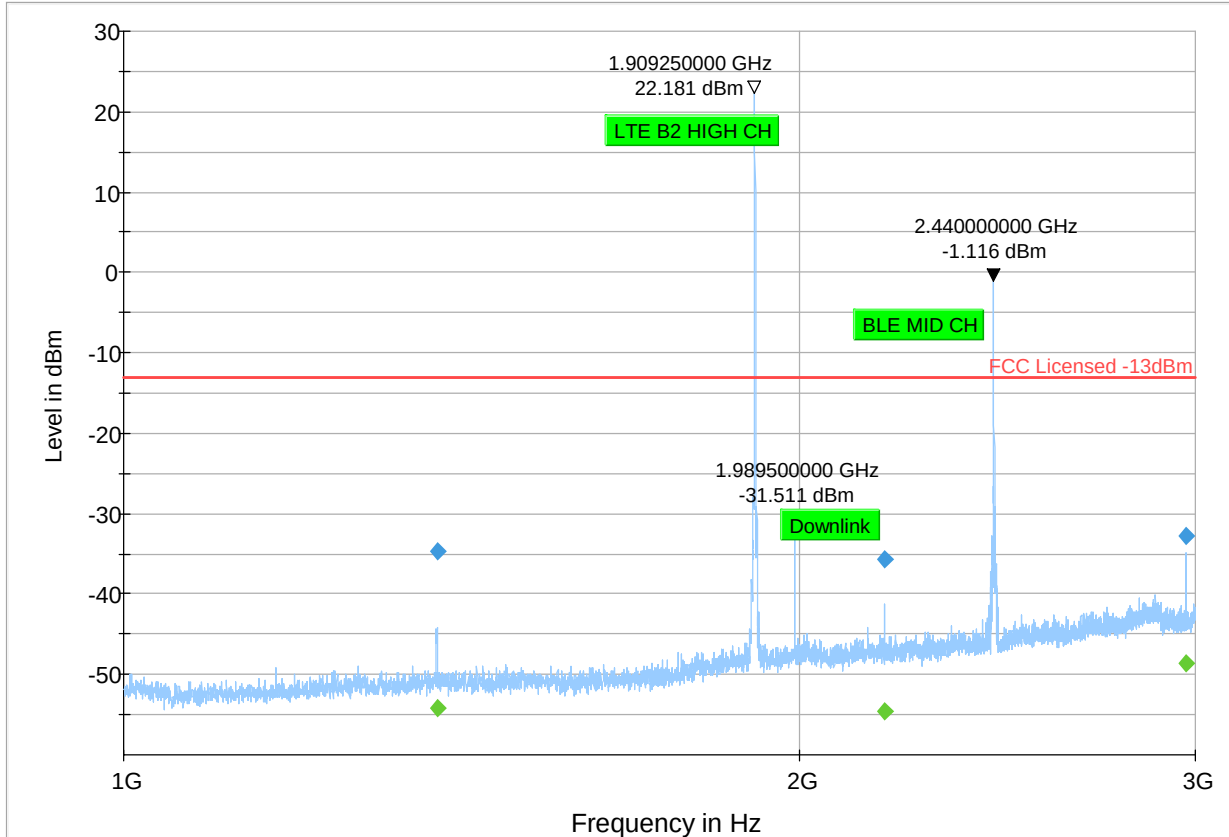
Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
533.92	---	-64.53	---	---	500.0	120.0	162.0	H	303.0	-104.0
533.92	-46.73	---	-13.00	33.74	500.0	120.0	162.0	H	303.0	-104.0
915.17	---	-78.81	---	---	500.0	120.0	134.0	V	164.0	-98.3
915.17	-67.71	---	-13.00	54.71	500.0	120.0	134.0	V	164.0	-98.3



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result PK+ Final_Result RM

Plot # 10

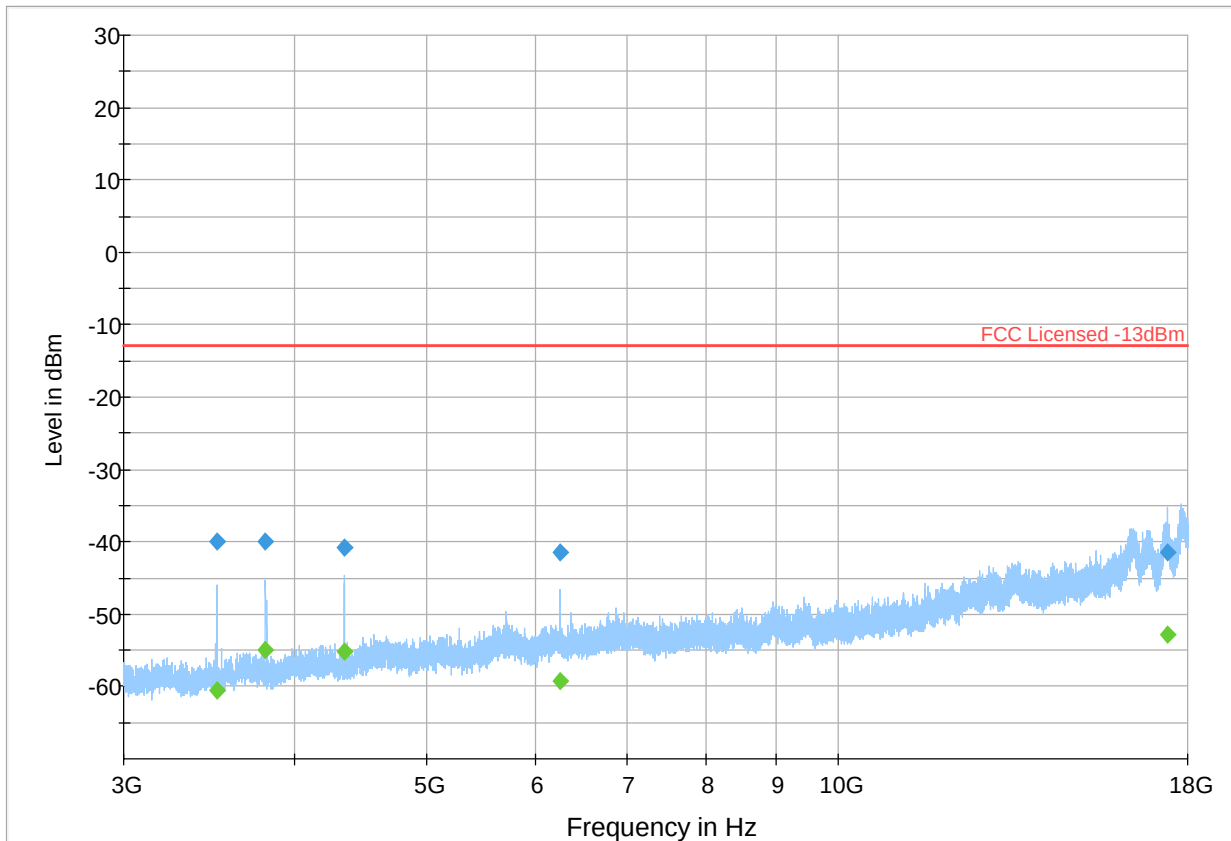
Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1378.50	---	-54.22	---	---	500.0	1000.0	107.0	H	326.0	-66.4
1378.50	-34.72	---	-13.00	21.72	500.0	1000.0	107.0	H	326.0	-66.4
2181.75	---	-54.59	---	---	500.0	1000.0	303.0	H	-4.0	-63.3
2181.75	-35.59	---	-13.00	22.59	500.0	1000.0	303.0	H	-4.0	-63.3
2970.25	---	-48.63	---	---	500.0	1000.0	142.0	H	273.0	-60.2
2970.25	-32.86	---	-13.00	19.86	500.0	1000.0	142.0	H	273.0	-60.2



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result PK+ Final_Result RM

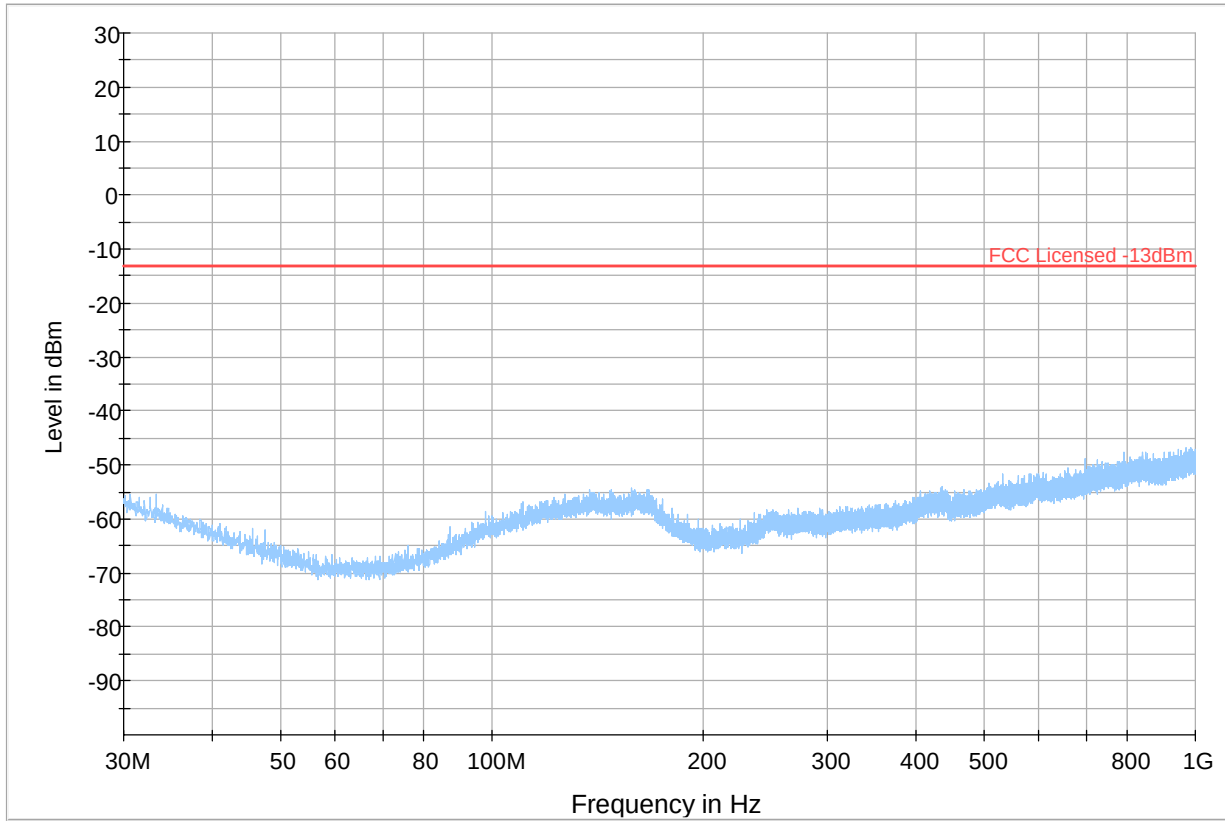
Plot # 11

Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3509.75	---	-60.46	---	---	500.0	1000.0	158.0	H	224.0	-102.2
3509.75	-39.95	---	-13.00	26.95	500.0	1000.0	158.0	H	224.0	-102.2
3810.75	---	-54.97	---	---	500.0	1000.0	306.0	V	8.0	-101.5
3810.75	-40.03	---	-13.00	27.03	500.0	1000.0	306.0	V	8.0	-101.5
4345.25	---	-55.21	---	---	500.0	1000.0	117.0	H	252.0	-99.9
4345.25	-40.89	---	-13.00	27.89	500.0	1000.0	117.0	H	252.0	-99.9
6259.00	---	-59.18	---	---	500.0	1000.0	134.0	H	233.0	-95.8
6259.00	-41.49	---	-13.00	28.49	500.0	1000.0	134.0	H	233.0	-95.8
17385.50	---	-52.87	---	---	500.0	1000.0	325.0	H	353.0	-79.2
17385.50	-41.49	---	-13.00	28.49	500.0	1000.0	325.0	H	353.0	-79.2



Plot # 12

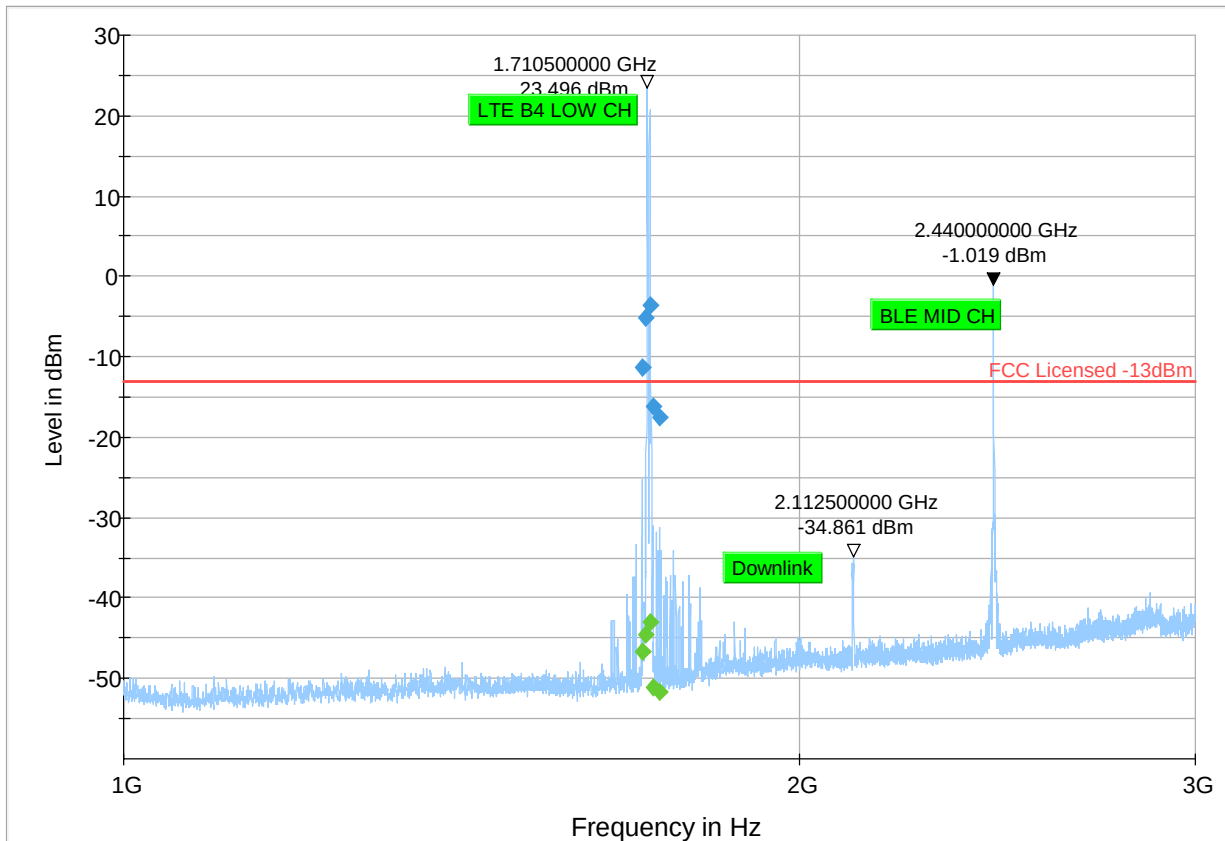
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---	---	---		---	---



Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
◆ Final_Result RMS ◆ Final_Result PK+

Plot # 13

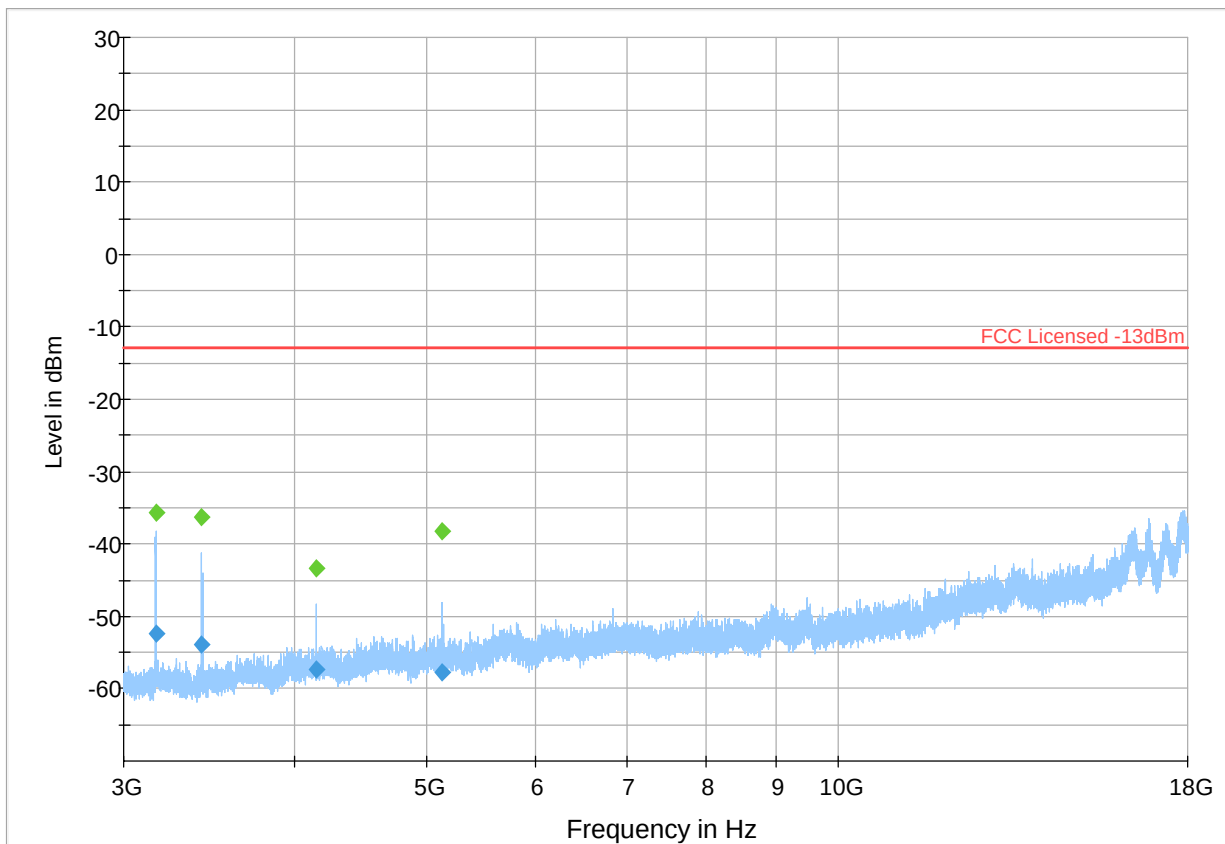
Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1701.00	---	-46.70	---	---	500.0	1000.0	151.0	H	253.0	-65.3
1701.00	-11.39	---	-13.00	-1.61	500.0	1000.0	151.0	H	253.0	-65.3
1707.00	---	-44.58	---	---	500.0	1000.0	237.0	H	122.0	-65.2
1707.00	-5.08	---	-13.00	-7.92	500.0	1000.0	237.0	H	122.0	-65.2
1716.50	---	-42.99	---	---	500.0	1000.0	142.0	H	133.0	-65.2
1716.50	-3.62	---	-13.00	-9.38	500.0	1000.0	142.0	H	133.0	-65.2
1719.75	---	-51.10	---	---	500.0	1000.0	100.0	V	75.0	-65.2
1719.75	-16.19	---	-13.00	3.19	500.0	1000.0	100.0	V	75.0	-65.2
1731.00	---	-51.76	---	---	500.0	1000.0	117.0	H	286.0	-65.1
1731.00	-17.55	---	-13.00	4.55	500.0	1000.0	117.0	H	286.0	-65.1



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result PK+ Final_Result RM

Plot # 14

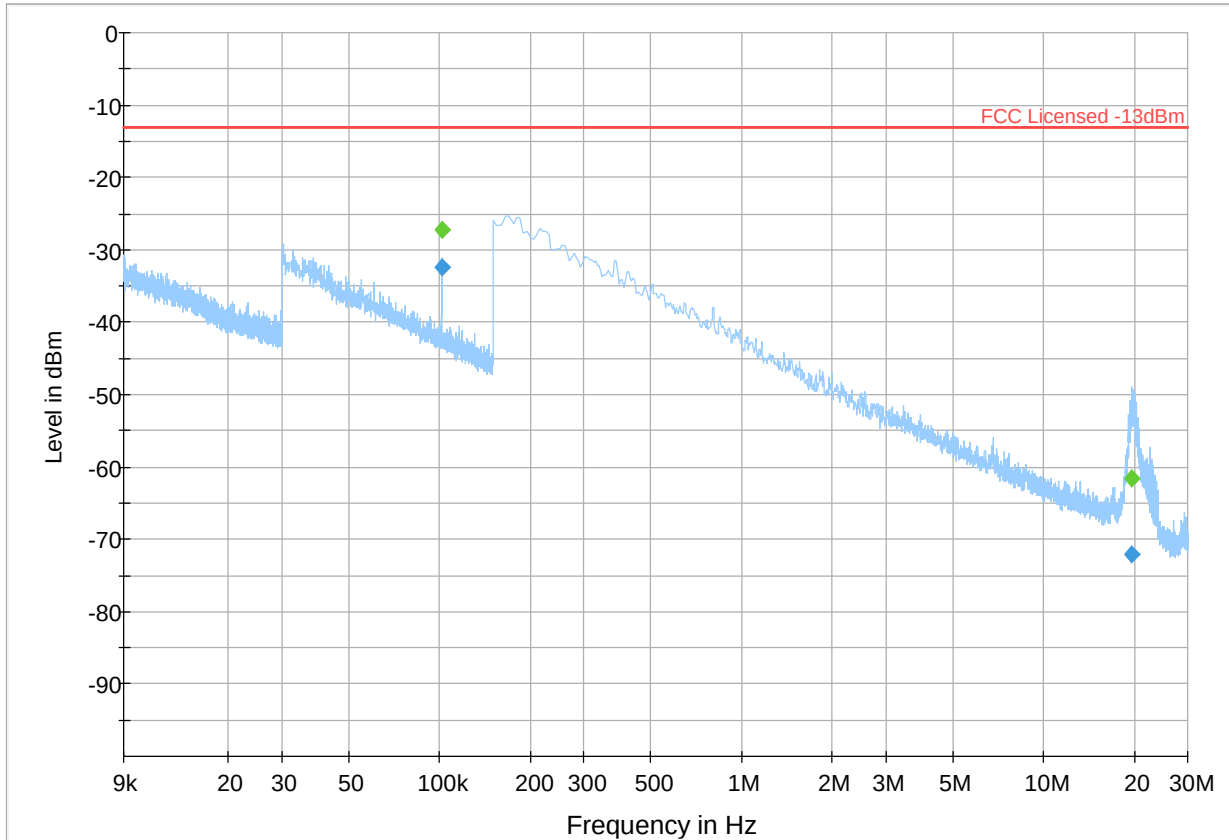
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3168.75	---	-35.62	---	---	500.0	1000.0	149.0	H	310.0	-102.7
3168.75	-52.47	---	-13.00	39.47	500.0	1000.0	149.0	H	310.0	-102.7
3420.75	---	-36.29	---	---	500.0	1000.0	226.0	H	142.0	-102.4
3420.75	-53.92	---	-13.00	40.92	500.0	1000.0	226.0	H	142.0	-102.4
4150.50	---	-43.31	---	---	500.0	1000.0	142.0	H	259.0	-99.5
4150.50	-57.27	---	-13.00	44.27	500.0	1000.0	142.0	H	259.0	-99.5
5131.00	---	-38.32	---	---	500.0	1000.0	117.0	V	126.0	-97.8
5131.00	-57.85	---	-13.00	44.85	500.0	1000.0	117.0	V	126.0	-97.8



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 15

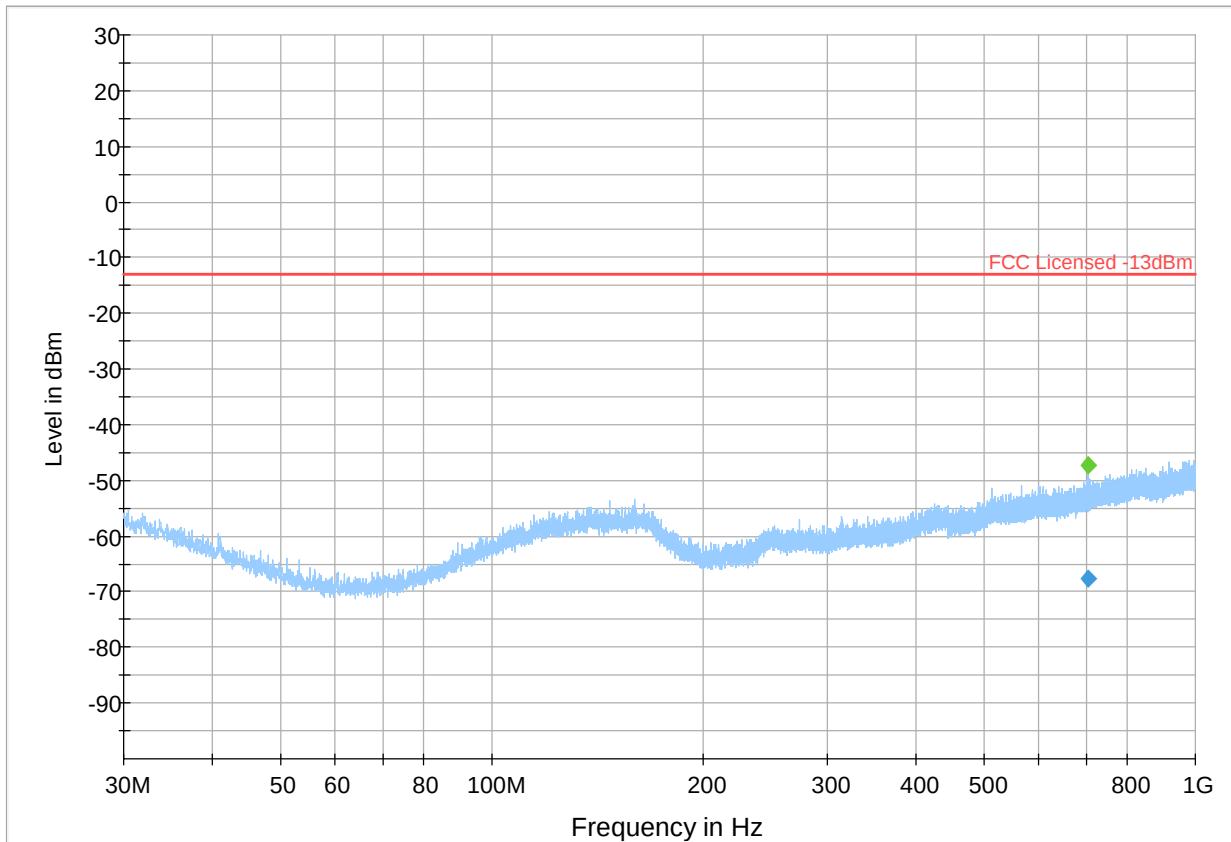
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.10	-32.41	---	-13.00	19.41	500.0	1.0	100.0	V	256.0	-76.9
0.10	---	-27.30	---	---	500.0	1.0	100.0	V	256.0	-76.9
19.62	-72.07	---	-13.00	59.07	500.0	1.0	100.0	V	263.0	-78.7
19.62	---	-61.69	---	---	500.0	1.0	100.0	V	263.0	-78.7



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 16

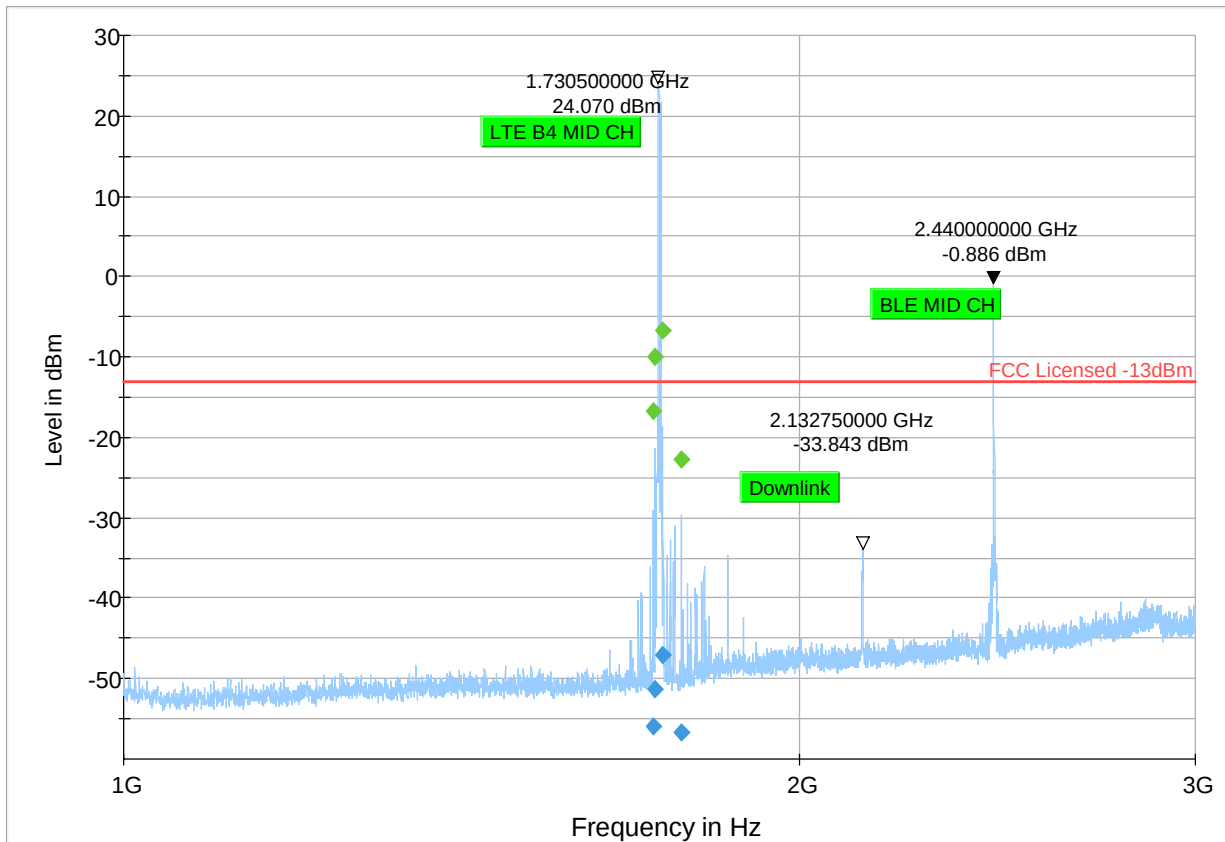
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
705.68	---	-47.25	---	---	500.0	100.0	160.0	H	275.0	-66.8
705.68	-67.76	---	-13.00	54.76	500.0	100.0	160.0	H	275.0	-66.8



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 17

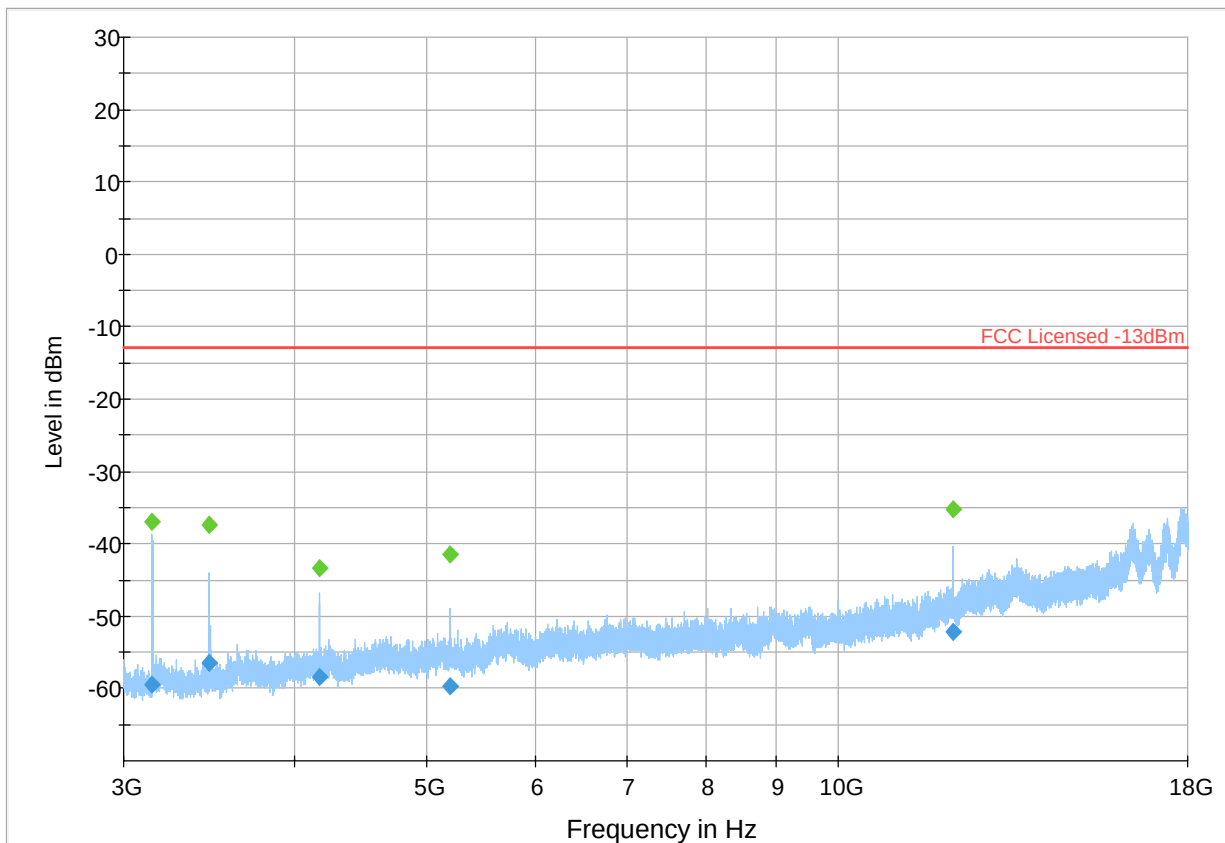
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1721.75	---	-16.81	---	---	500.0	1000.0	175.0	V	74.0	-65.2
1721.75	-55.88	---	-13.00	42.88	500.0	1000.0	175.0	V	74.0	-65.2
1723.75	---	-9.99	---	---	500.0	1000.0	100.0	H	142.0	-65.1
1723.75	-51.32	---	-13.00	38.32	500.0	1000.0	100.0	H	142.0	-65.1
1737.25	---	-6.72	---	---	500.0	1000.0	296.0	H	88.0	-65.1
1737.25	-47.13	---	-13.00	34.13	500.0	1000.0	296.0	H	88.0	-65.1
1772.00	---	-22.72	---	---	500.0	1000.0	117.0	H	136.0	-65.0
1772.00	-56.73	---	-13.00	43.73	500.0	1000.0	117.0	H	136.0	-65.0



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 18

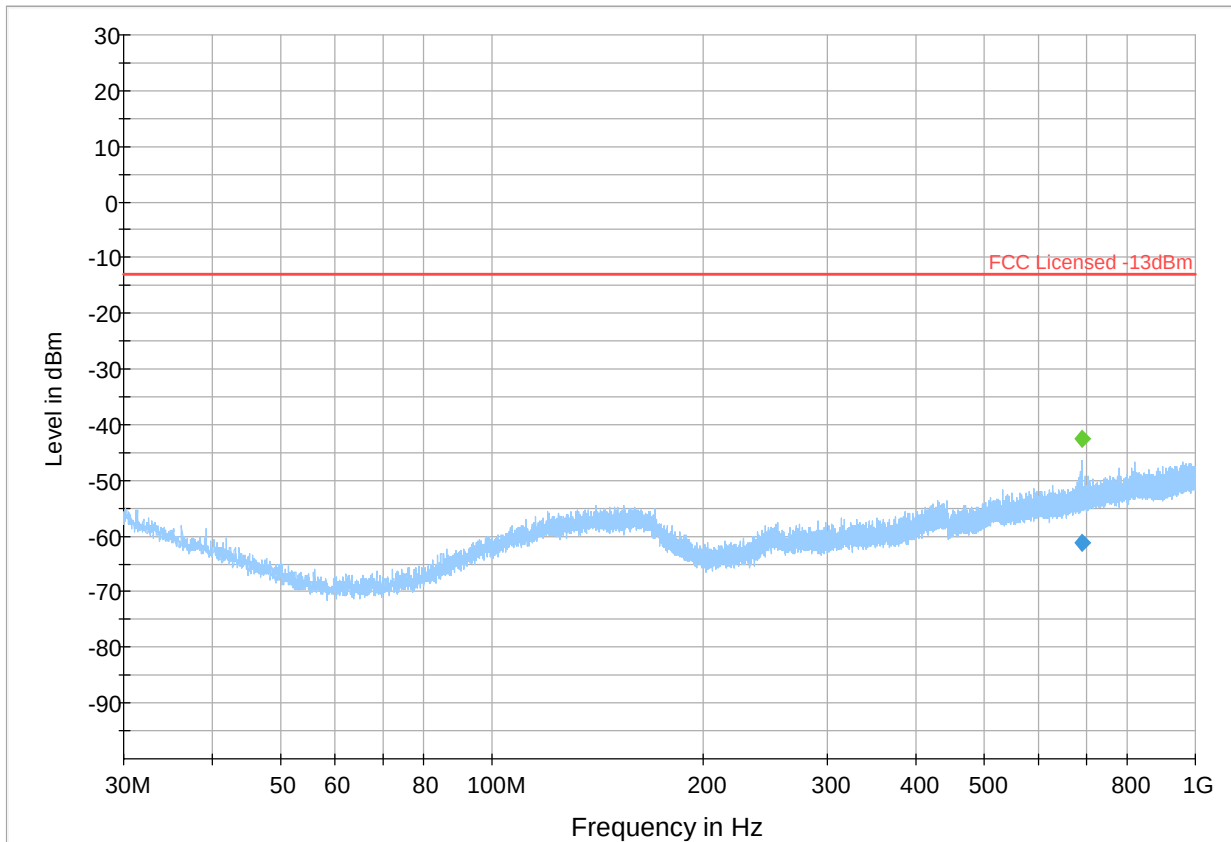
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3144.75	---	-37.00	---	---	500.0	1000.0	193.0	H	305.0	-103.1
3144.75	-59.56	---	-13.00	46.56	500.0	1000.0	193.0	H	305.0	-103.1
3460.50	---	-37.32	---	---	500.0	1000.0	272.0	V	79.0	-102.2
3460.50	-56.39	---	-13.00	43.39	500.0	1000.0	272.0	V	79.0	-102.2
4170.00	---	-43.29	---	---	500.0	1000.0	134.0	H	210.0	-99.3
4170.00	-58.36	---	-13.00	45.36	500.0	1000.0	134.0	H	210.0	-99.3
5191.50	---	-41.39	---	---	500.0	1000.0	100.0	H	159.0	-97.8
5191.50	-59.72	---	-13.00	46.72	500.0	1000.0	100.0	H	159.0	-97.8
12113.75	---	-35.19	---	---	500.0	1000.0	198.0	H	205.0	-89.9
12113.75	-52.25	---	-13.00	39.25	500.0	1000.0	198.0	H	205.0	-89.9



— Preview Result 1-PK+
 — FCC Licensed -13dBm
 ◆ Final_Result RMS
 ◆ Final_Result PK

Plot # 19

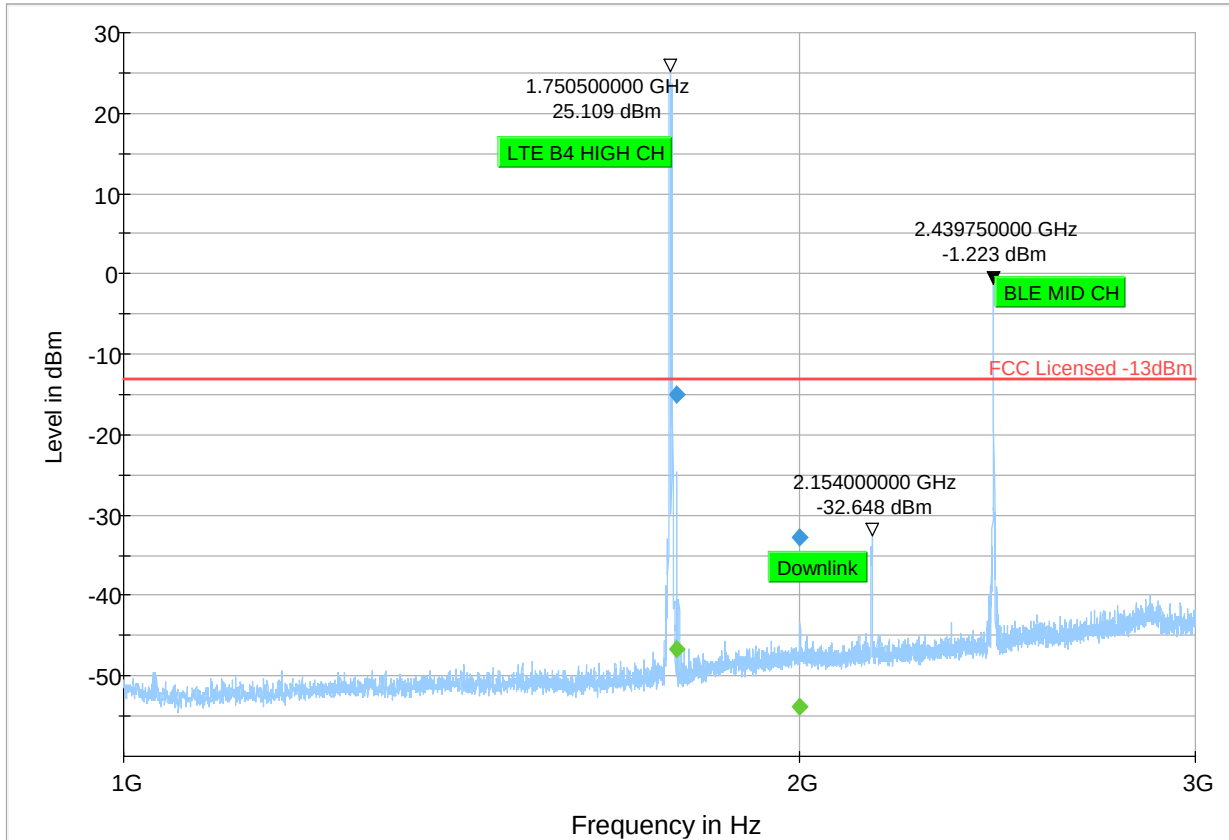
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
689.48	---	-42.54	---	---	500.0	100.0	117.0	H	288.0	-67.7
689.48	-61.08	---	-13.00	48.08	500.0	100.0	117.0	H	288.0	-67.7



— Preview Result 1-PK+ — FCC Licensed -13dBm ◆ Final_Result RMS ◆ Final_Result PK

Plot # 20

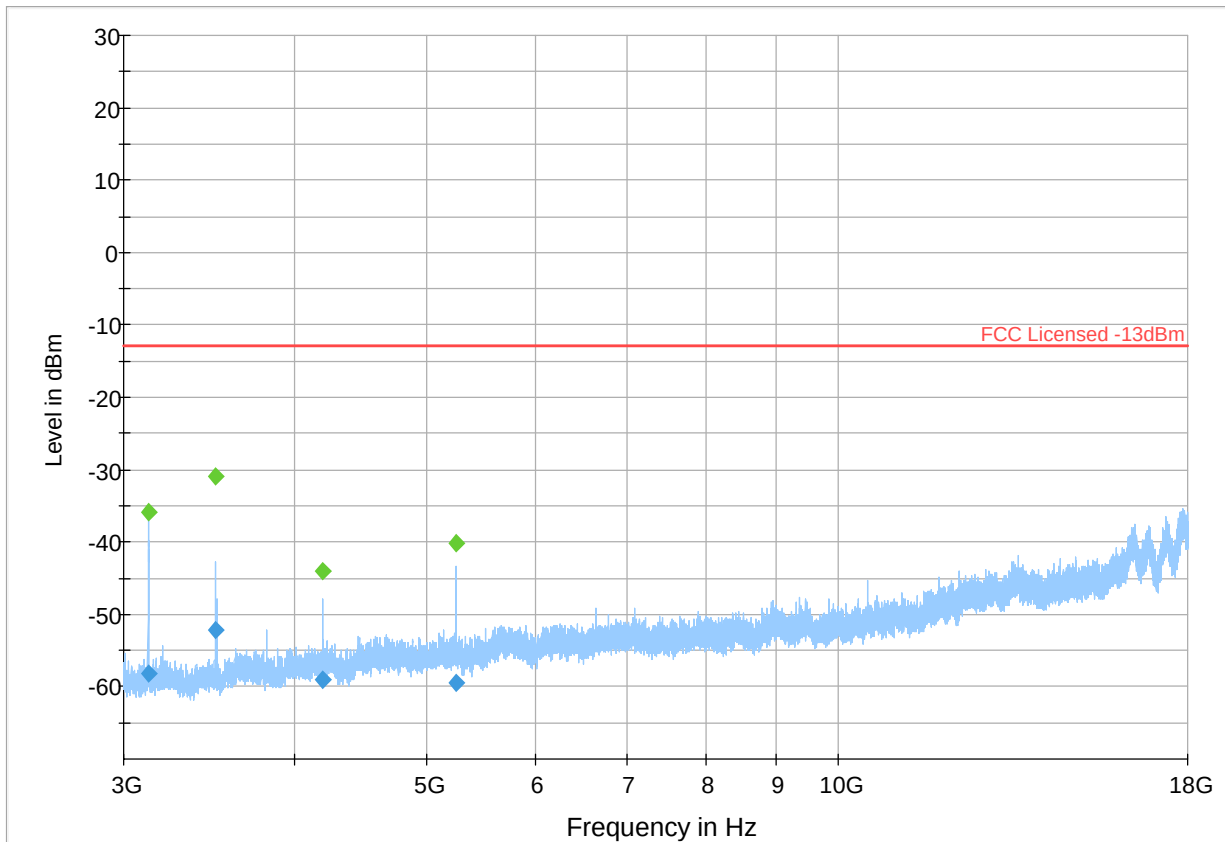
Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1762.00	---	-46.67	---	---	500.0	1000.0	141.0	H	246.0	-65.0
1762.00	-15.08	---	-13.00	2.08	500.0	1000.0	141.0	H	246.0	-65.0
2000.50	---	-53.85	---	---	500.0	1000.0	189.0	H	333.0	-63.7
2000.50	-32.82	---	-13.00	19.82	500.0	1000.0	189.0	H	333.0	-63.7



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result PK+ Final_Result RM

Plot # 21

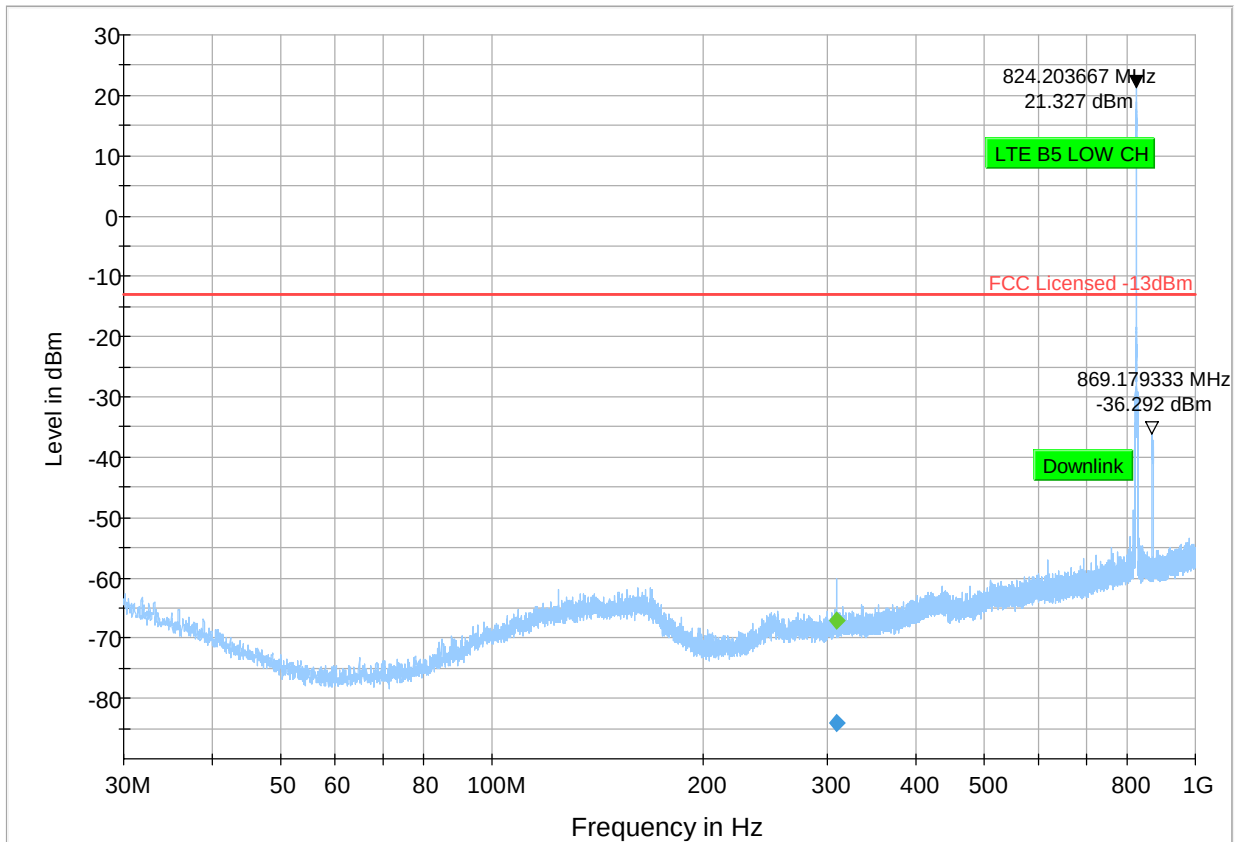
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3124.75	---	-35.98	---	---	500.0	1000.0	177.0	H	301.0	-103.3
3124.75	-58.10	---	-13.00	45.10	500.0	1000.0	177.0	H	301.0	-103.3
3500.75	---	-30.92	---	---	500.0	1000.0	160.0	H	227.0	-102.2
3500.75	-52.15	---	-13.00	39.15	500.0	1000.0	160.0	H	227.0	-102.2
4190.00	---	-44.04	---	---	500.0	1000.0	151.0	H	198.0	-99.2
4190.00	-59.08	---	-13.00	46.08	500.0	1000.0	151.0	H	198.0	-99.2
5251.25	---	-40.24	---	---	500.0	1000.0	100.0	V	132.0	-97.2
5251.25	-59.38	---	-13.00	46.38	500.0	1000.0	100.0	V	132.0	-97.2



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 22

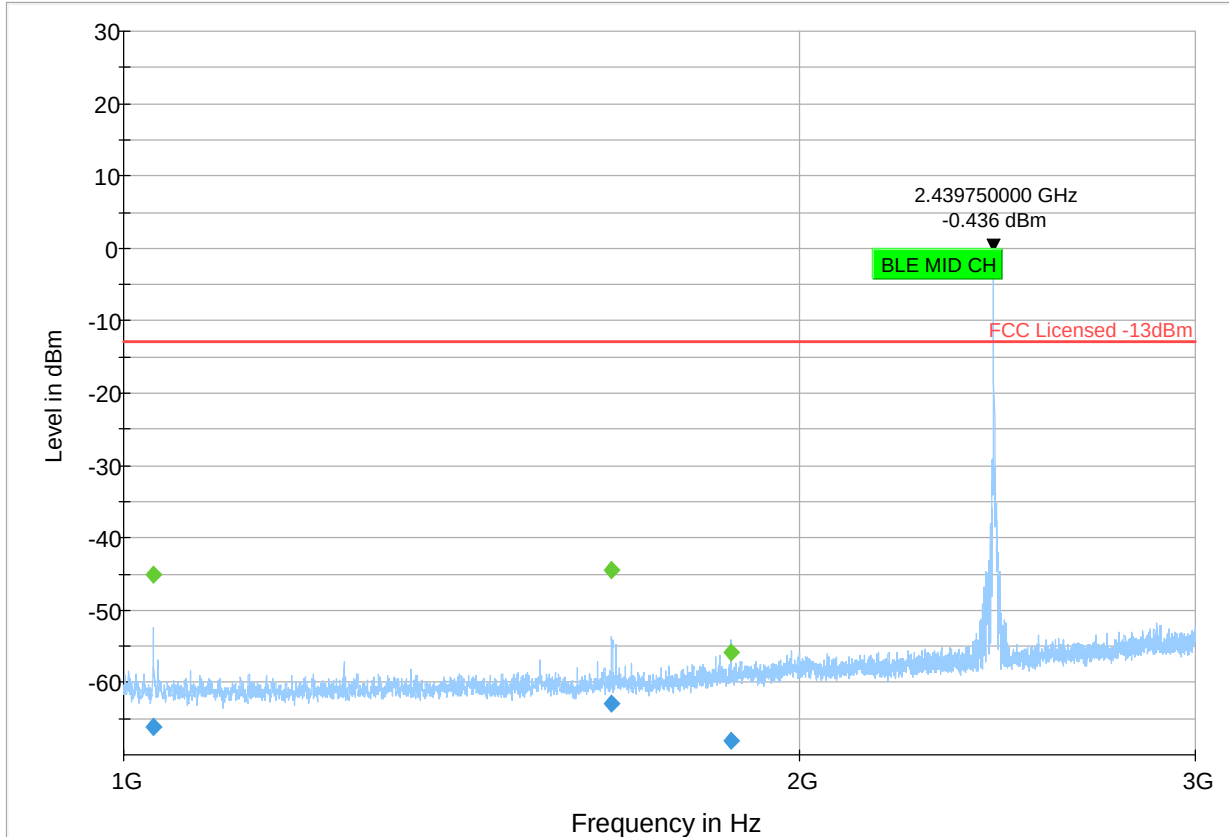
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
309.23	---	-67.01	---	---	500.0	100.0	193.0	H	197.0	-73.6
309.23	-83.97	---	-13.00	70.97	500.0	100.0	193.0	H	197.0	-73.6



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 23

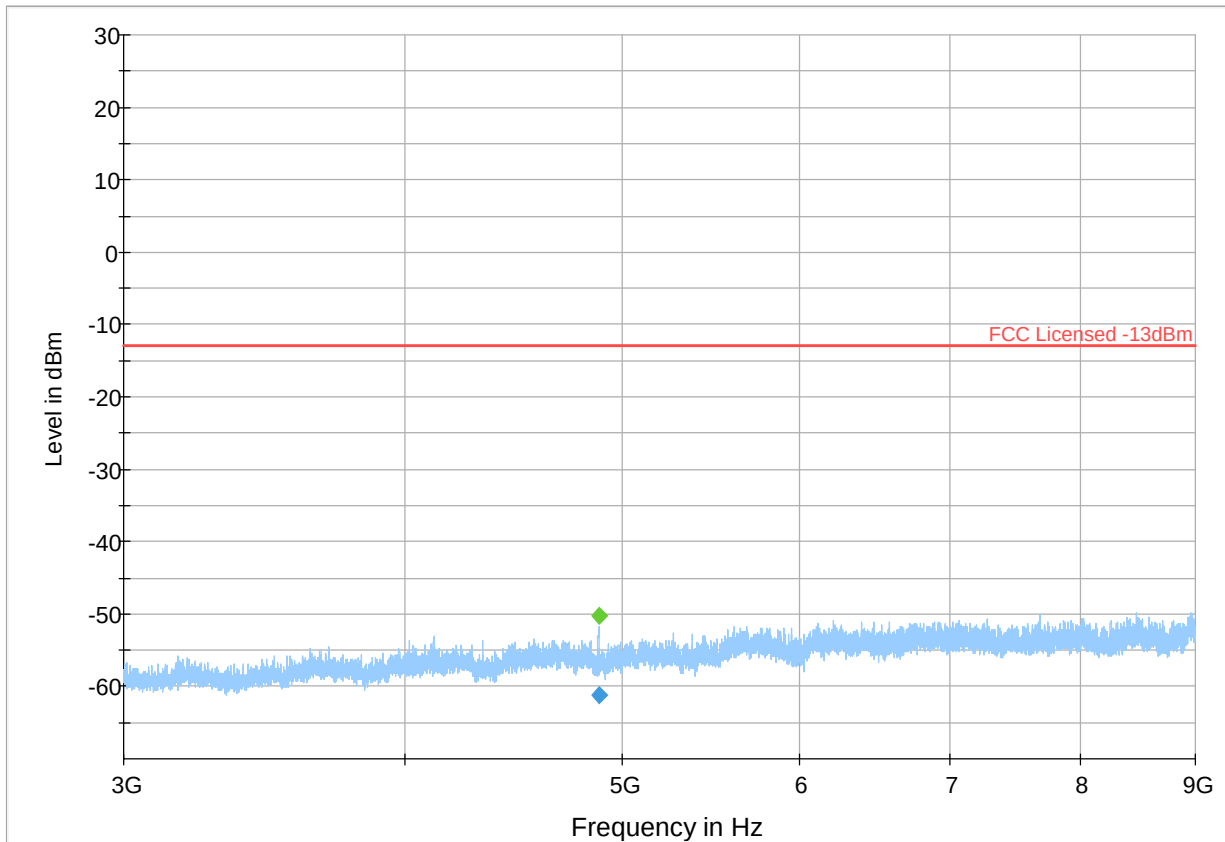
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1030.75	-66.10	---	-13.00	53.10	500.0	1000.0	100.0	H	269.0	-93.3
1030.75	---	-45.01	---	---	500.0	1000.0	100.0	H	269.0	-93.3
1649.00	---	-44.51	---	---	500.0	1000.0	125.0	H	238.0	-91.8
1649.00	-63.00	---	-13.00	50.00	500.0	1000.0	125.0	H	238.0	-91.8
1864.00	-68.12	---	-13.00	55.12	500.0	1000.0	325.0	H	33.0	-90.7
1864.00	---	-55.94	---	---	500.0	1000.0	325.0	H	33.0	-90.7



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 24

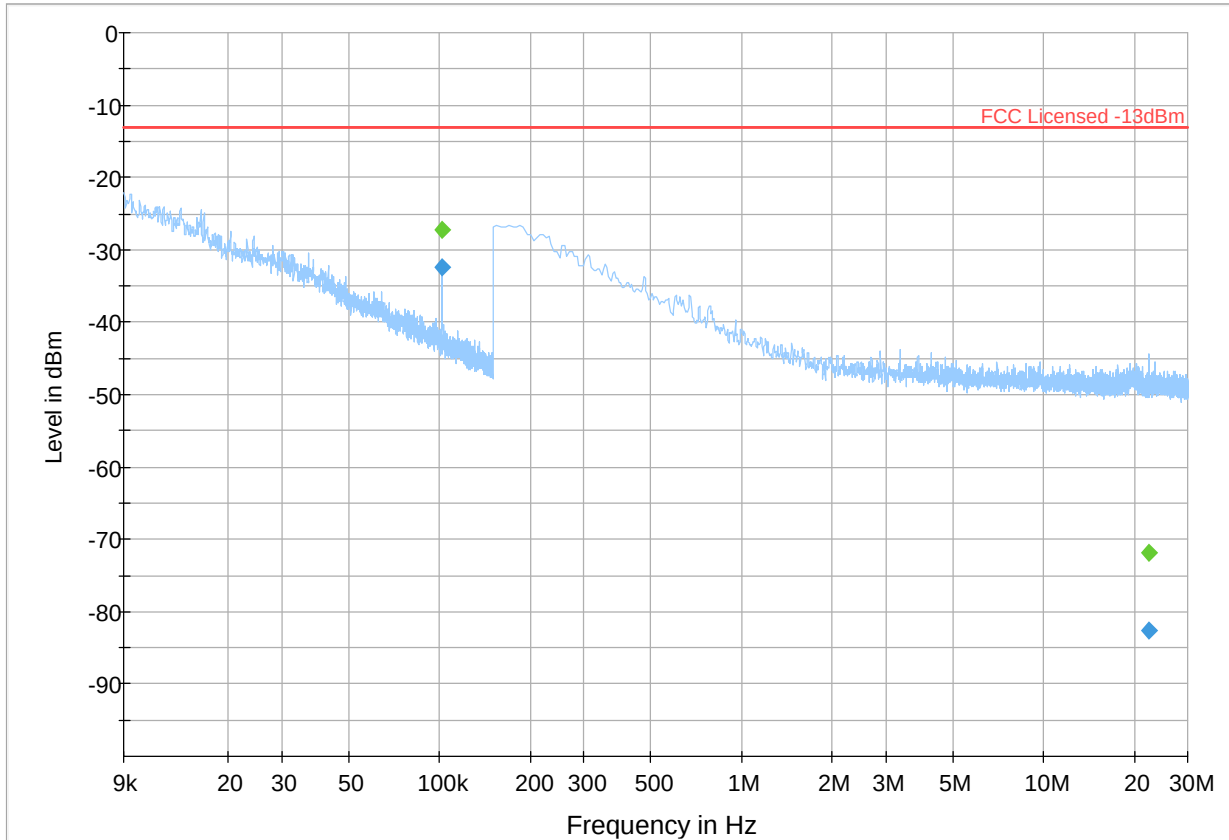
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
4879.75	---	-50.16	---	---	500.0	1000.0	243.0	H	135.0	-99.0
4879.75	-61.16	---	-13.00	48.16	500.0	1000.0	243.0	H	135.0	-99.0



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 25

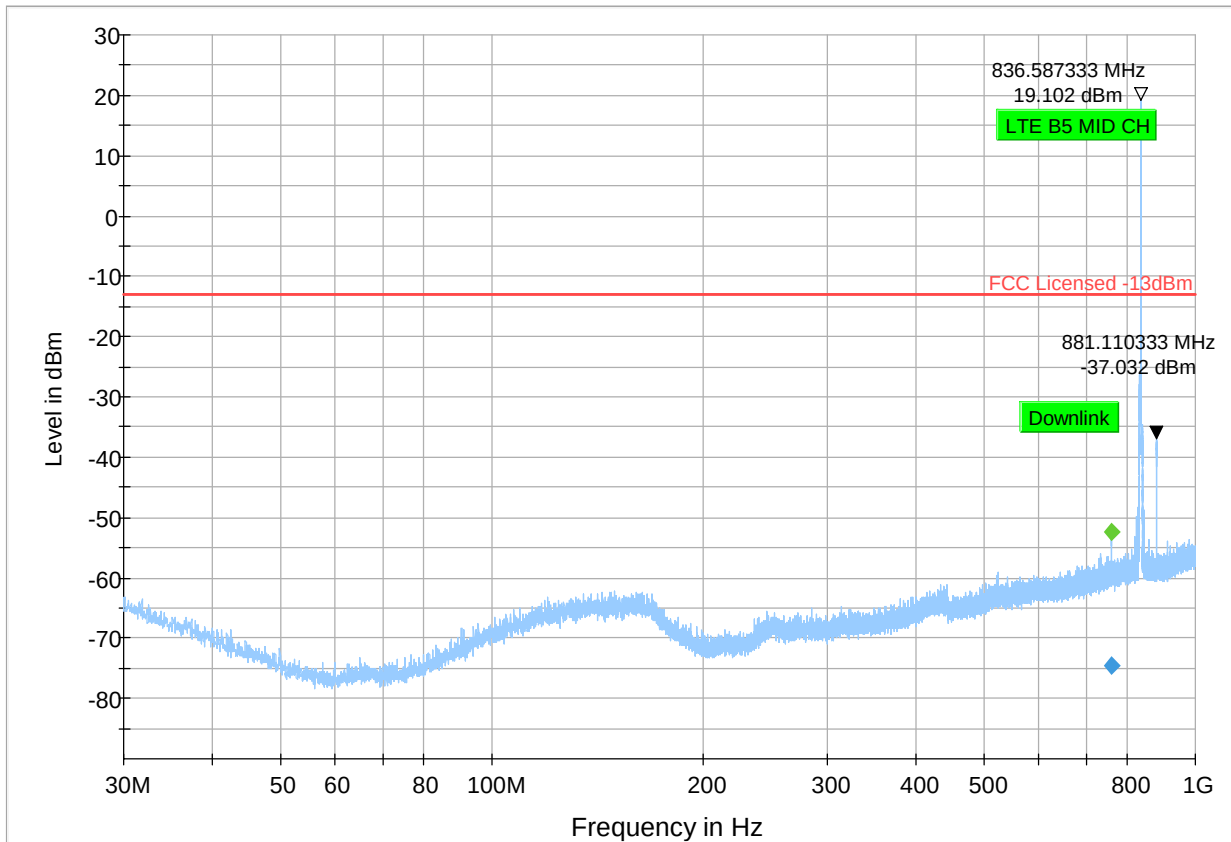
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.10	-32.46	---	-13.00	19.46	500.0	1.0	100.0	V	343.0	-76.9
0.10	---	-27.27	---	---	500.0	1.0	100.0	V	343.0	-76.9
22.40	-82.56	---	-13.00	69.56	500.0	1.0	116.0	V	-28.0	-79.0
22.40	---	-71.91	---	---	500.0	1.0	116.0	V	-28.0	-79.0



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 26

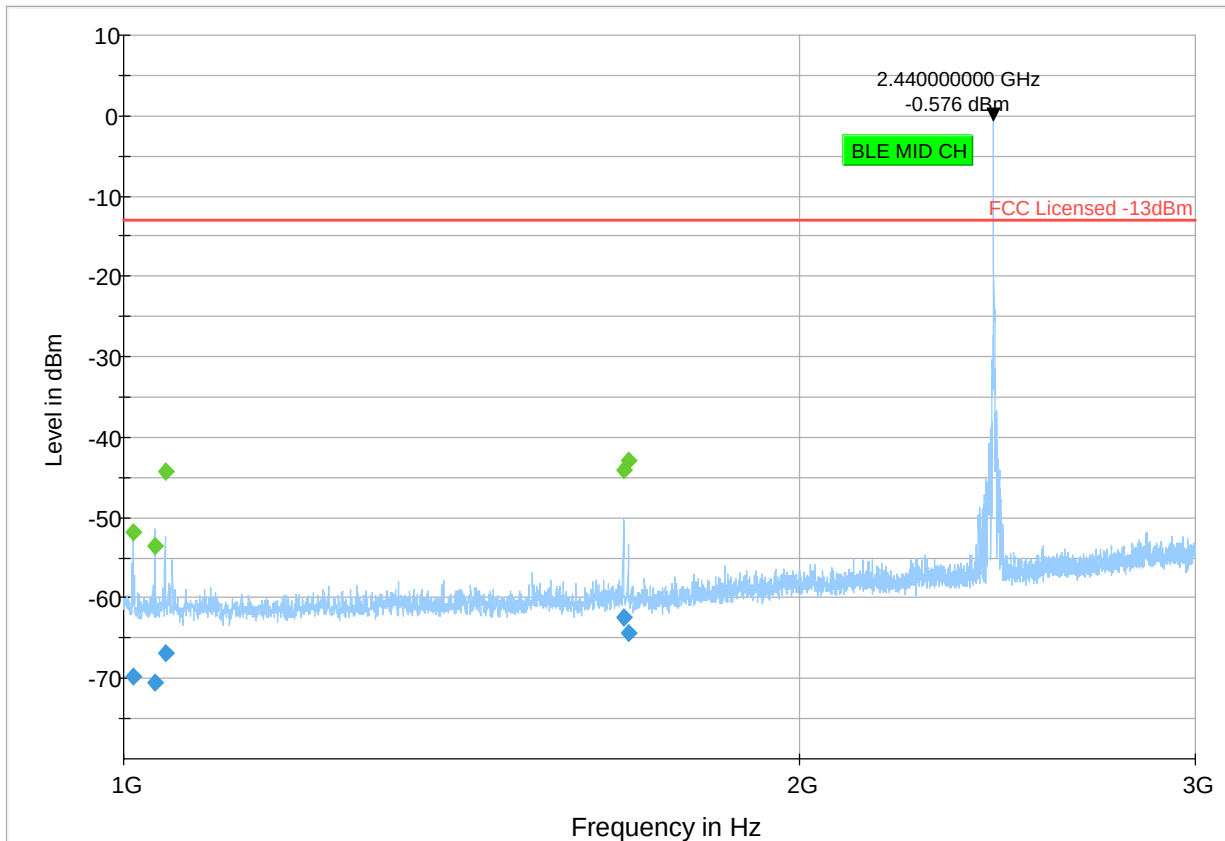
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
760.51	---	-52.45	---	---	500.0	100.0	125.0	H	250.0	-64.8
760.51	-74.67	---	-13.00	61.67	500.0	100.0	125.0	H	250.0	-64.8



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 27

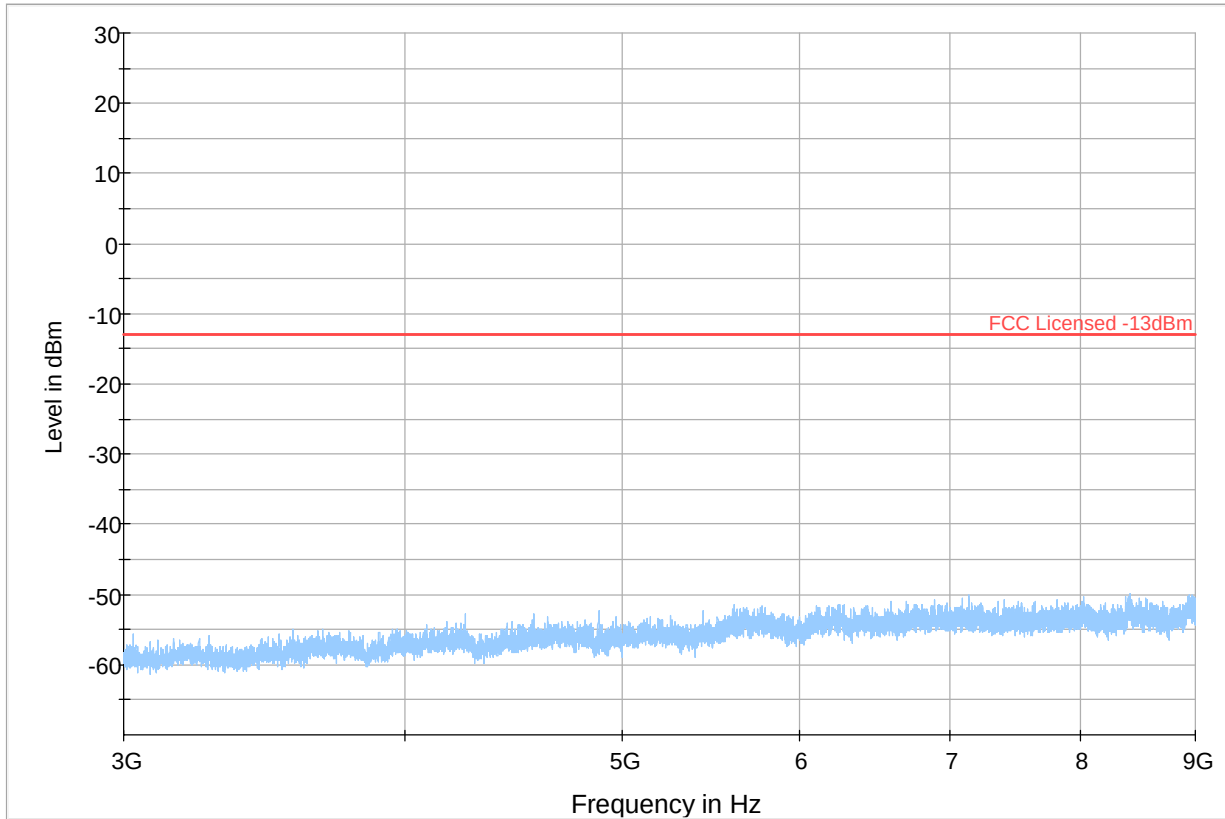
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1010.00	---	-51.87	---	---	500.0	1000.0	186.0	H	260.0	-93.0
1010.00	-69.84	---	-13.00	56.84	500.0	1000.0	186.0	H	260.0	-93.0
1032.25	---	-53.56	---	---	500.0	1000.0	142.0	V	109.0	-93.3
1032.25	-70.44	---	-13.00	57.44	500.0	1000.0	142.0	V	109.0	-93.3
1043.50	---	-44.18	---	---	500.0	1000.0	100.0	H	293.0	-93.3
1043.50	-66.93	---	-13.00	53.93	500.0	1000.0	100.0	H	293.0	-93.3
1668.75	---	-44.05	---	---	500.0	1000.0	167.0	H	100.0	-91.7
1668.75	-62.52	---	-13.00	49.52	500.0	1000.0	167.0	H	100.0	-91.7
1677.00	---	-42.87	---	---	500.0	1000.0	118.0	H	237.0	-91.6
1677.00	-64.33	---	-13.00	51.33	500.0	1000.0	118.0	H	237.0	-91.6



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 28

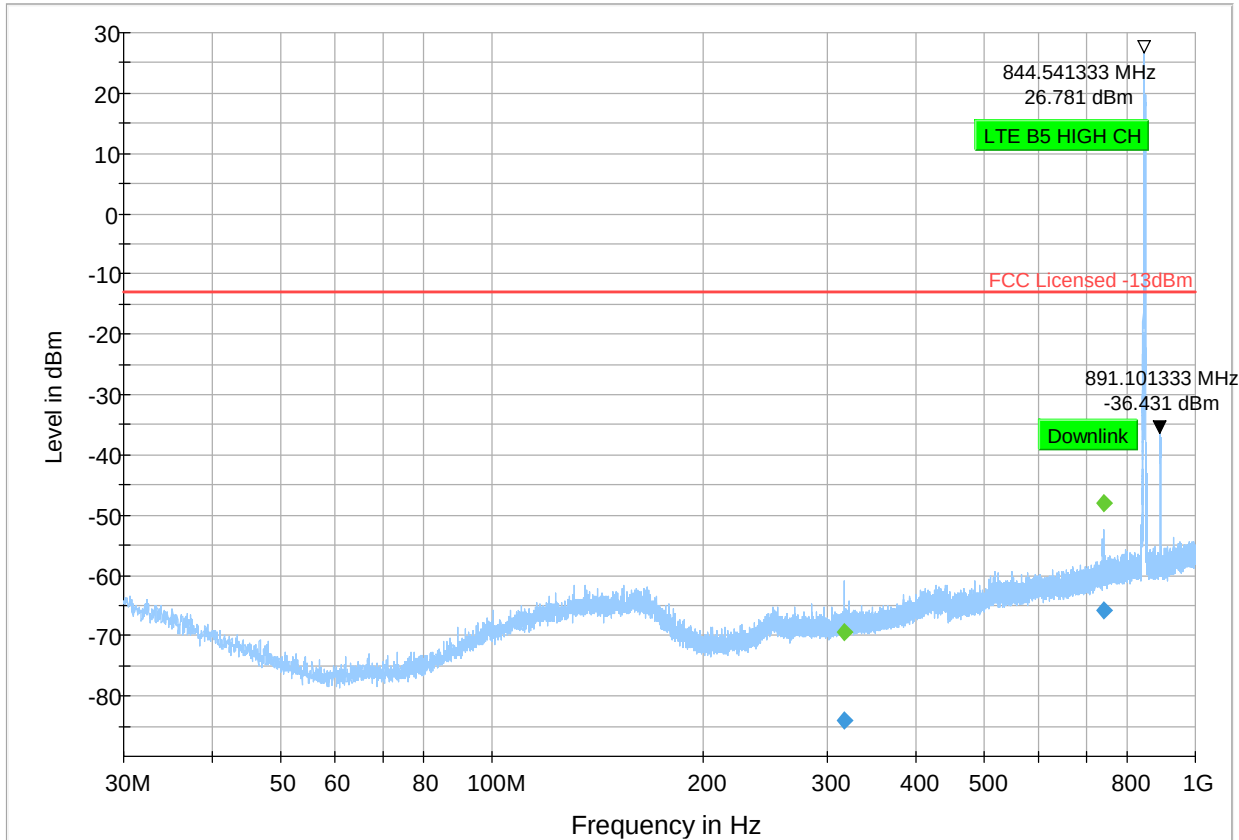
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
◆ Final_Result RMS ◆ Final_Result PK+

Plot # 29

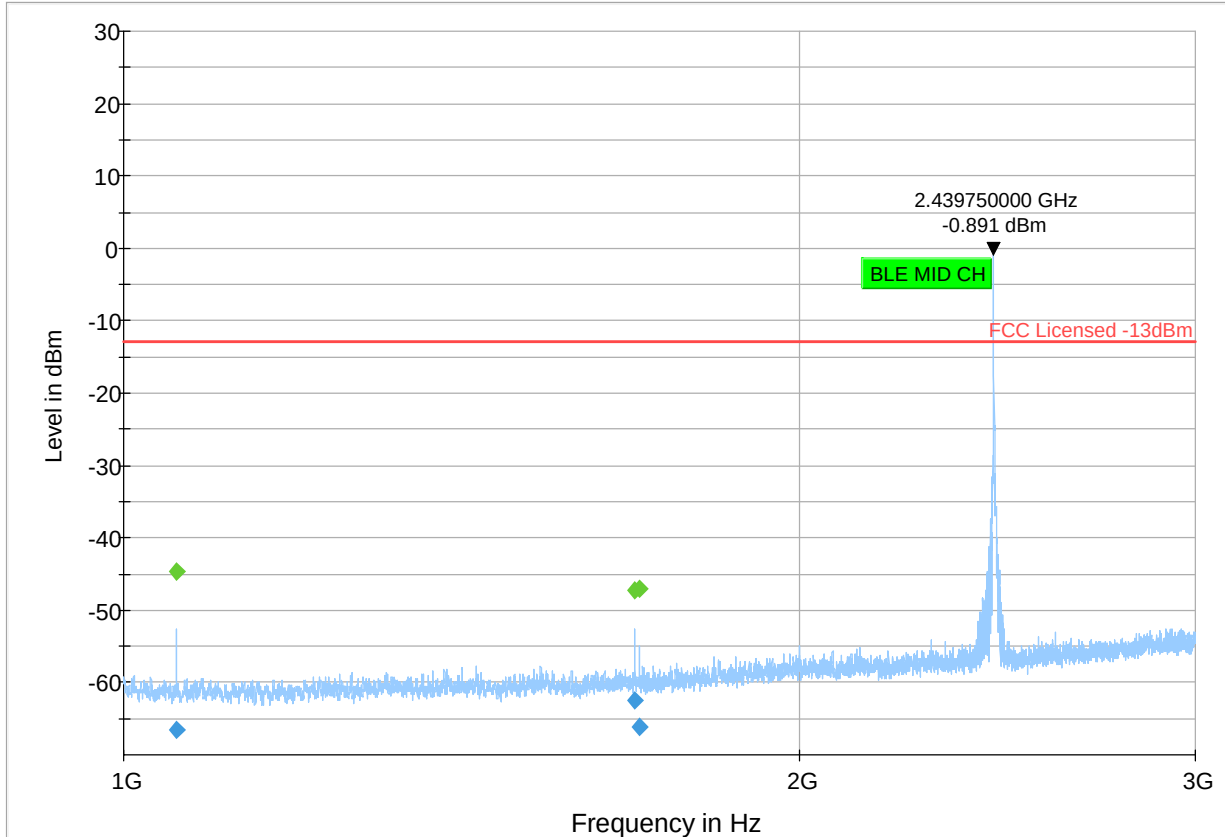
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
316.76	---	-69.40	---	---	500.0	100.0	251.0	H	202.0	-73.5
316.76	-84.17	---	-13.00	71.17	500.0	100.0	251.0	H	202.0	-73.5
739.39	---	-48.13	---	---	500.0	100.0	125.0	H	279.0	-65.4
739.39	-65.79	---	-13.00	52.79	500.0	100.0	125.0	H	279.0	-65.4



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 30

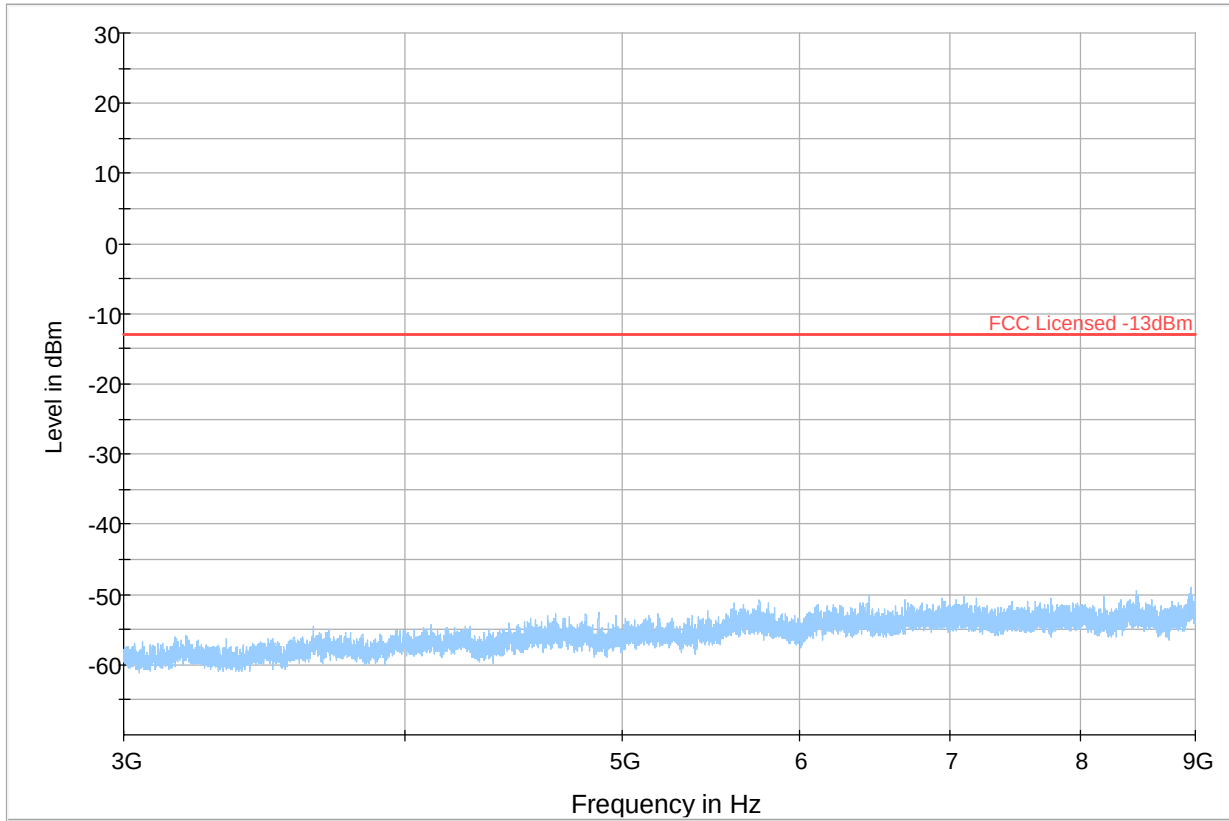
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1055.75	---	-44.75	---	---	500.0	1000.0	167.0	H	64.0	-93.3
1055.75	-66.54	---	-13.00	53.54	500.0	1000.0	167.0	H	64.0	-93.3
1688.75	---	-47.33	---	---	500.0	1000.0	116.0	H	235.0	-91.5
1688.75	-62.40	---	-13.00	49.40	500.0	1000.0	116.0	H	235.0	-91.5
1696.75	---	-47.11	---	---	500.0	1000.0	100.0	H	252.0	-91.5
1696.75	-66.06	---	-13.00	53.06	500.0	1000.0	100.0	H	252.0	-91.5



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 31

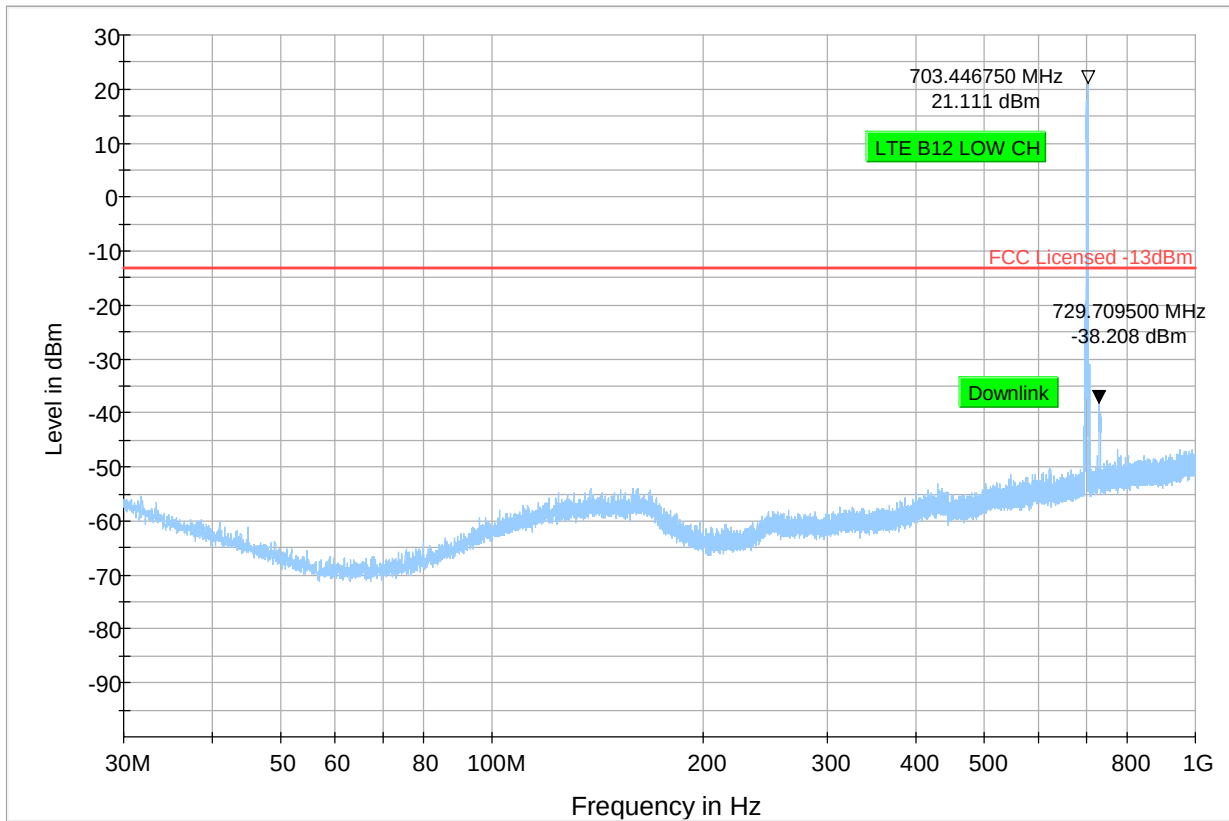
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
Final_Result RMS Final_Result PK+

Plot # 32

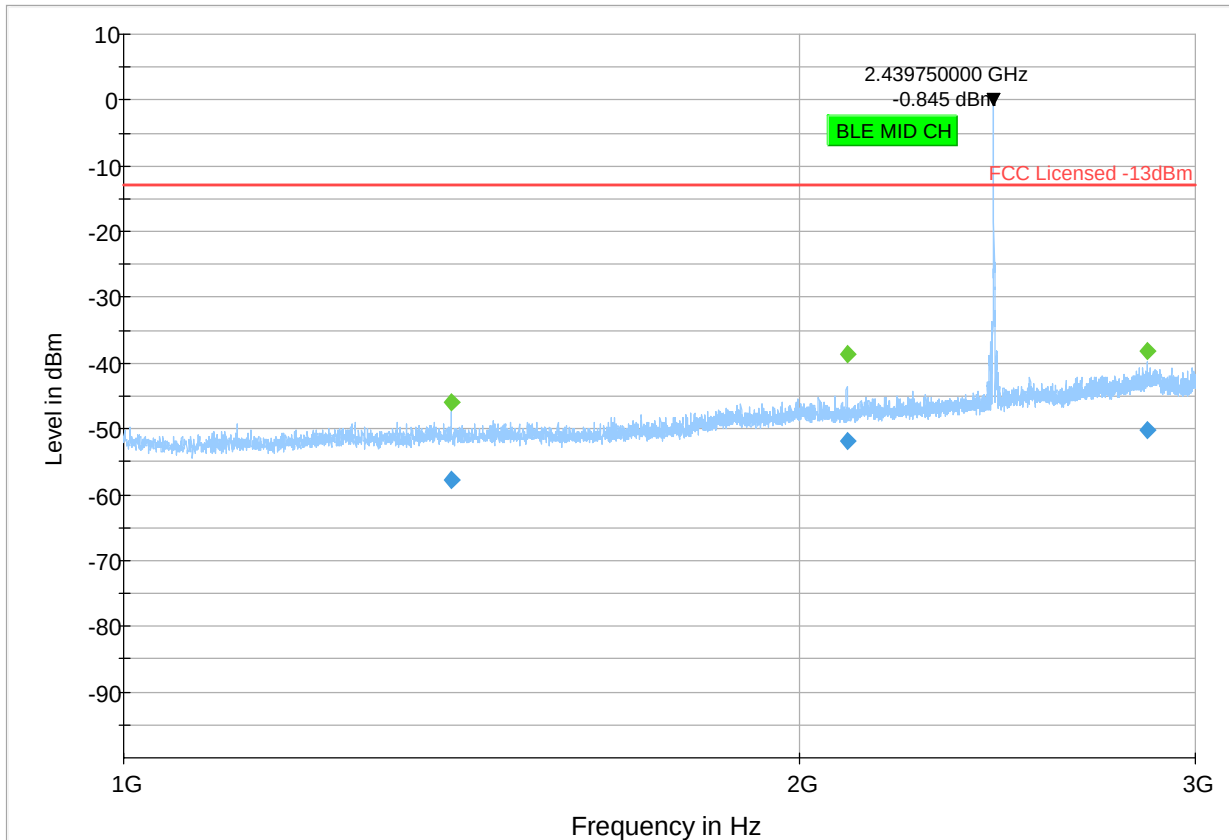
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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◆ Preview Result 1-PK+ Final_Result RMS * Critical_Freqs PK+ Final_Result PK+ — FCC Licensed -13dBm

Plot # 33

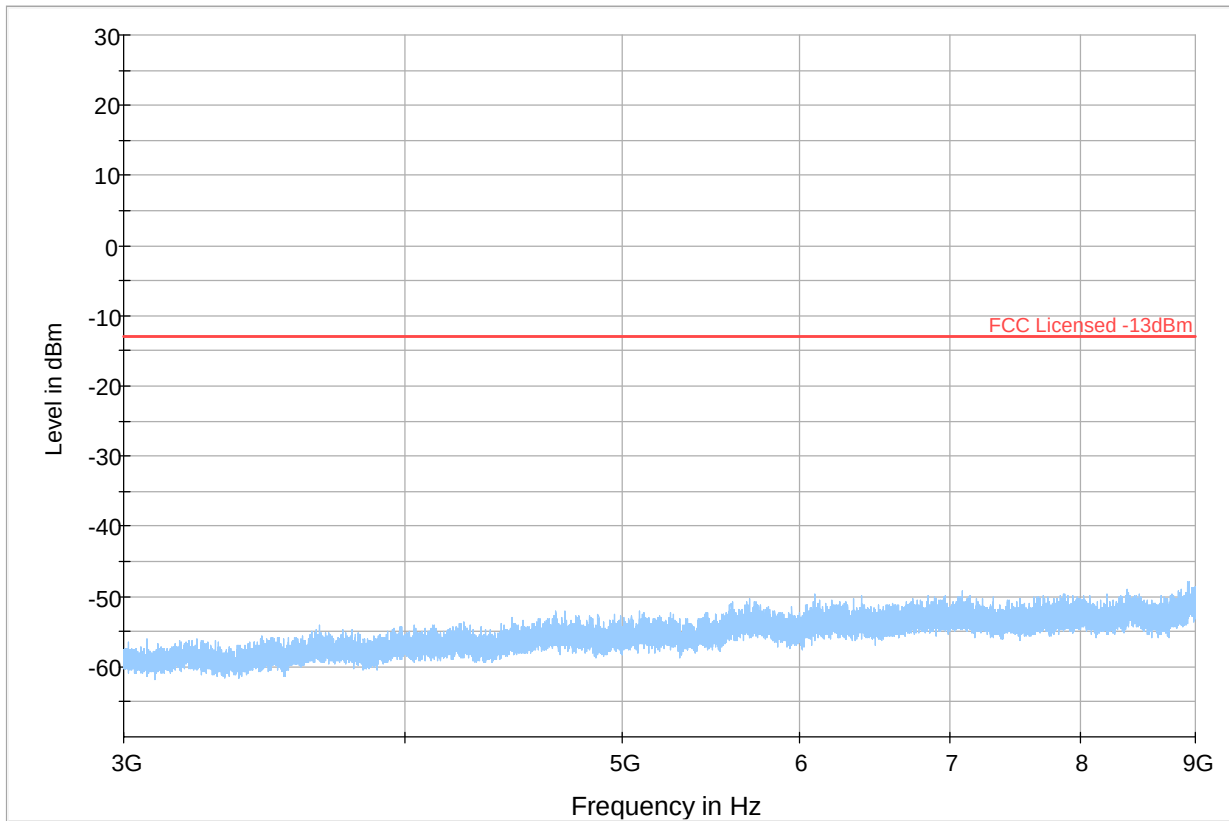
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1398.50	---	-45.83	---	---	500.0	1000.0	150.0	H	14.0	-66.4
1398.50	-57.73	---	-13.00	44.73	500.0	1000.0	150.0	H	14.0	-66.4
2098.50	---	-38.54	---	---	500.0	1000.0	100.0	H	7.0	-63.5
2098.50	-51.76	---	-13.00	38.76	500.0	1000.0	100.0	H	7.0	-63.5
2855.00	---	-38.21	---	---	500.0	1000.0	100.0	V	169.0	-60.7
2855.00	-50.11	---	-13.00	37.11	500.0	1000.0	100.0	V	169.0	-60.7



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 34

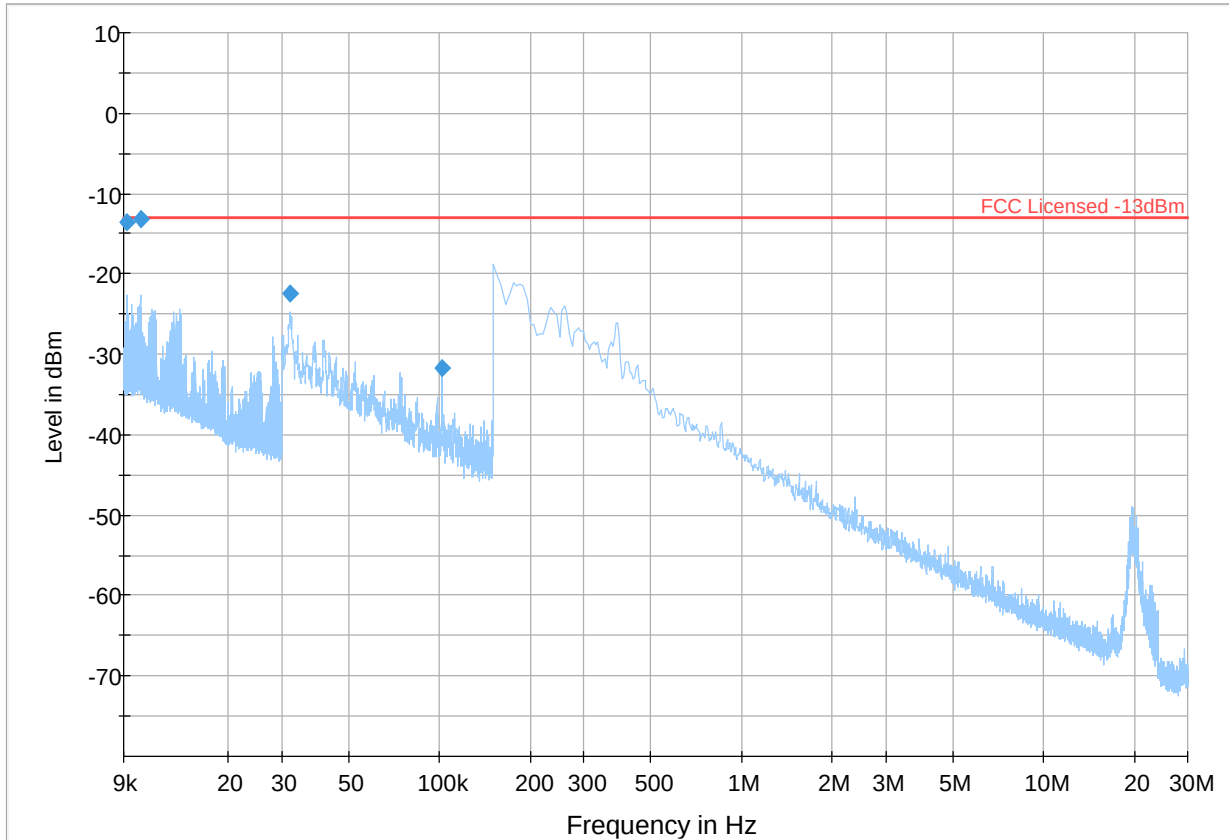
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
Final_Result RMS Final_Result PK+

Plot # 35

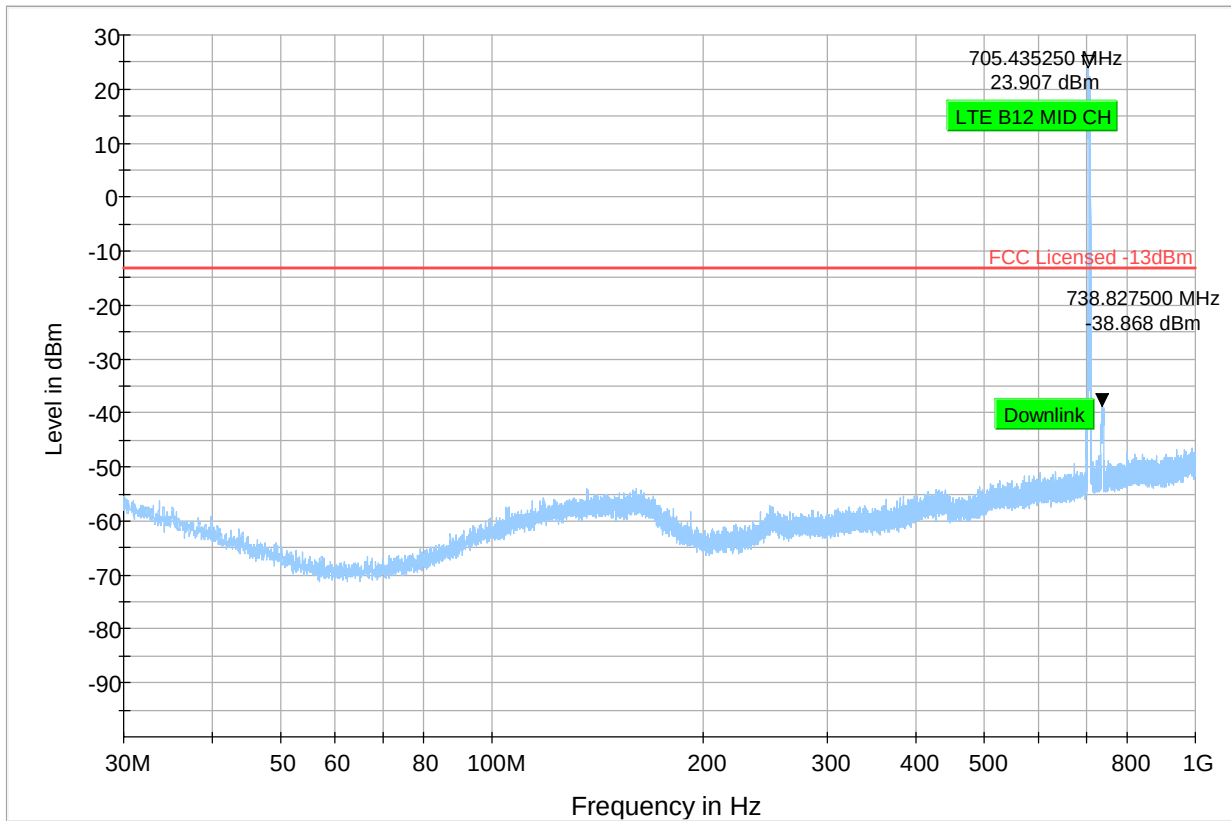
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.01	-13.57	---	-13.00	0.57	500.0	1.0	100.0	V	322.0	-65.6
0.01	-13.25	---	-13.00	0.25	500.0	1.0	100.0	V	324.0	-66.6
0.03	-22.47	---	-13.00	9.47	500.0	1.0	100.0	V	323.0	-73.5
0.10	-31.73	---	-13.00	18.73	500.0	1.0	100.0	V	322.0	-76.9



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 36

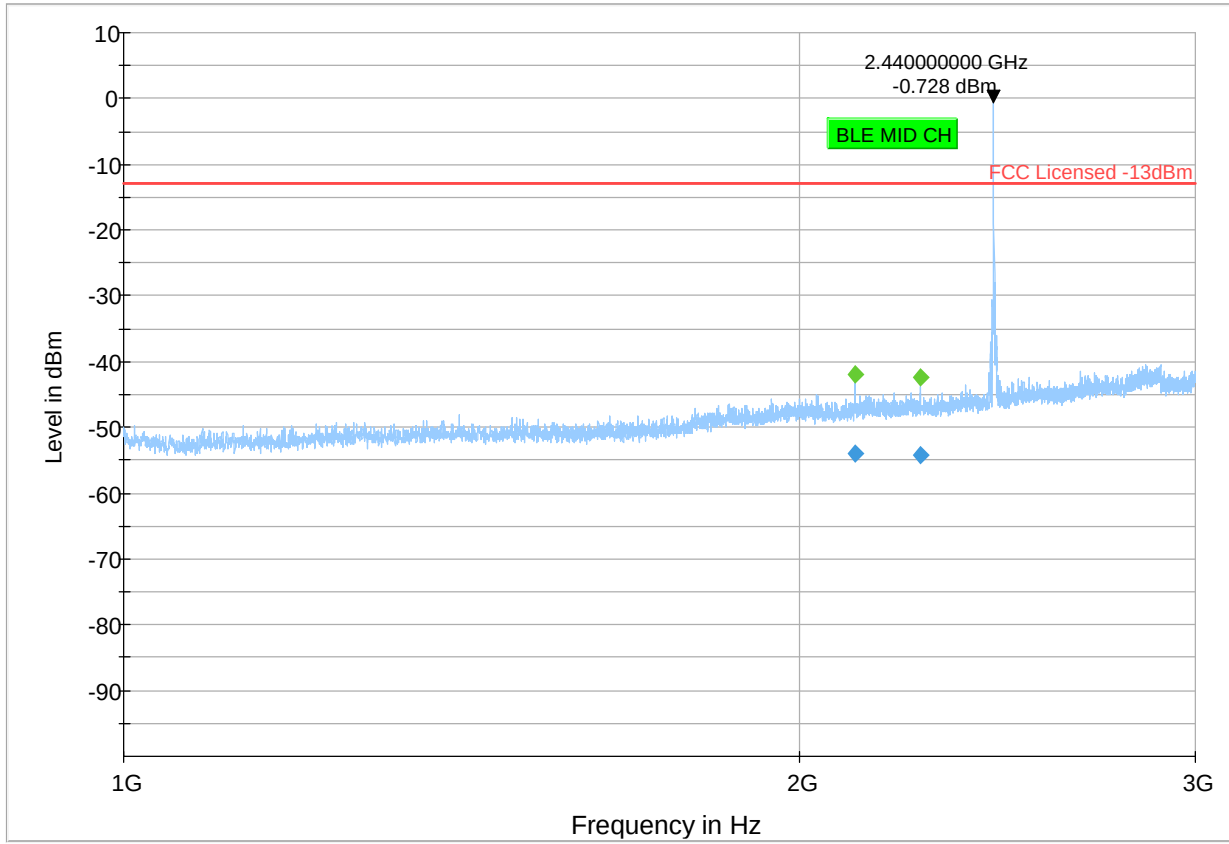
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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◆ Preview Result 1-PK+ Final_Result RMS * Critical_Freqs PK+ Final_Result PK+ — FCC Licensed -13dBm

Plot # 37

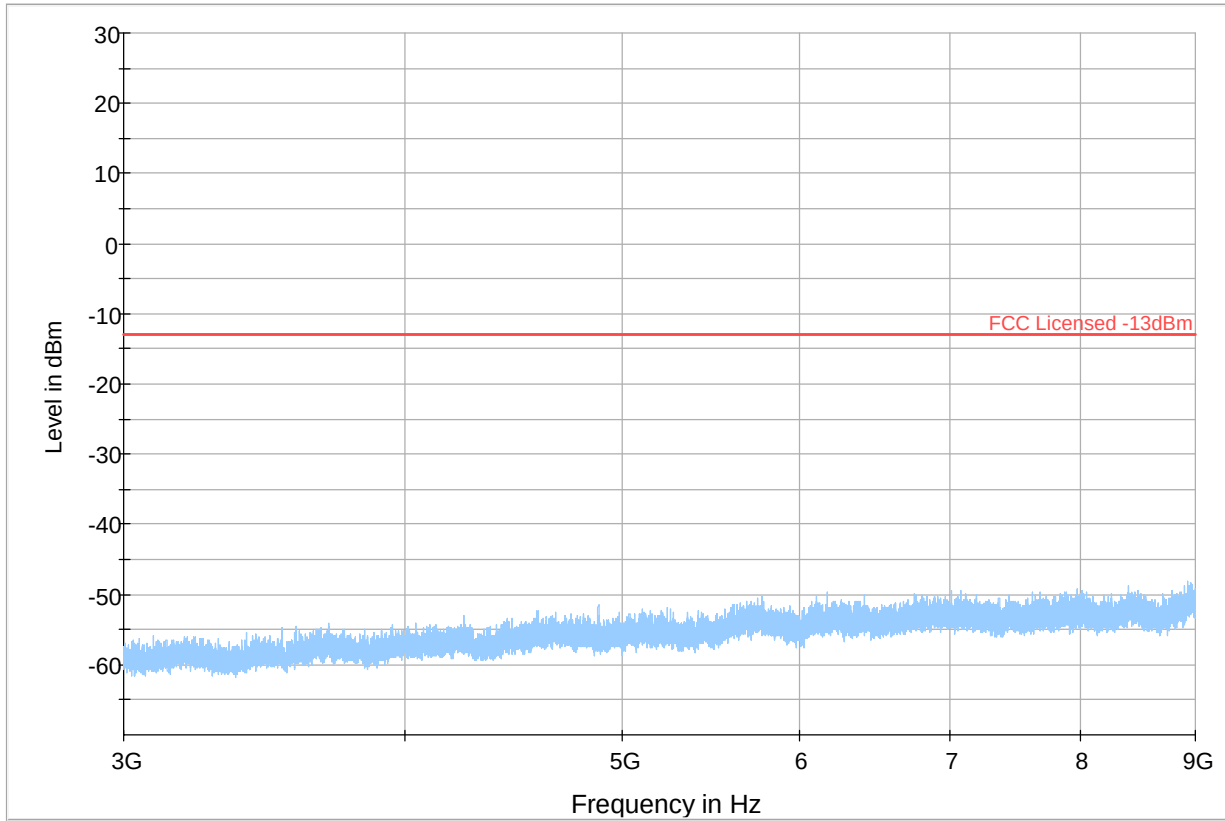
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2116.75	---	-41.89	---	---	500.0	1000.0	175.0	H	292.0	-63.4
2116.75	-53.93	---	-13.00	40.93	500.0	1000.0	175.0	H	292.0	-63.4
2264.50	---	-42.49	---	---	500.0	1000.0	133.0	H	158.0	-62.8
2264.50	-54.16	---	-13.00	41.16	500.0	1000.0	133.0	H	158.0	-62.8



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 38

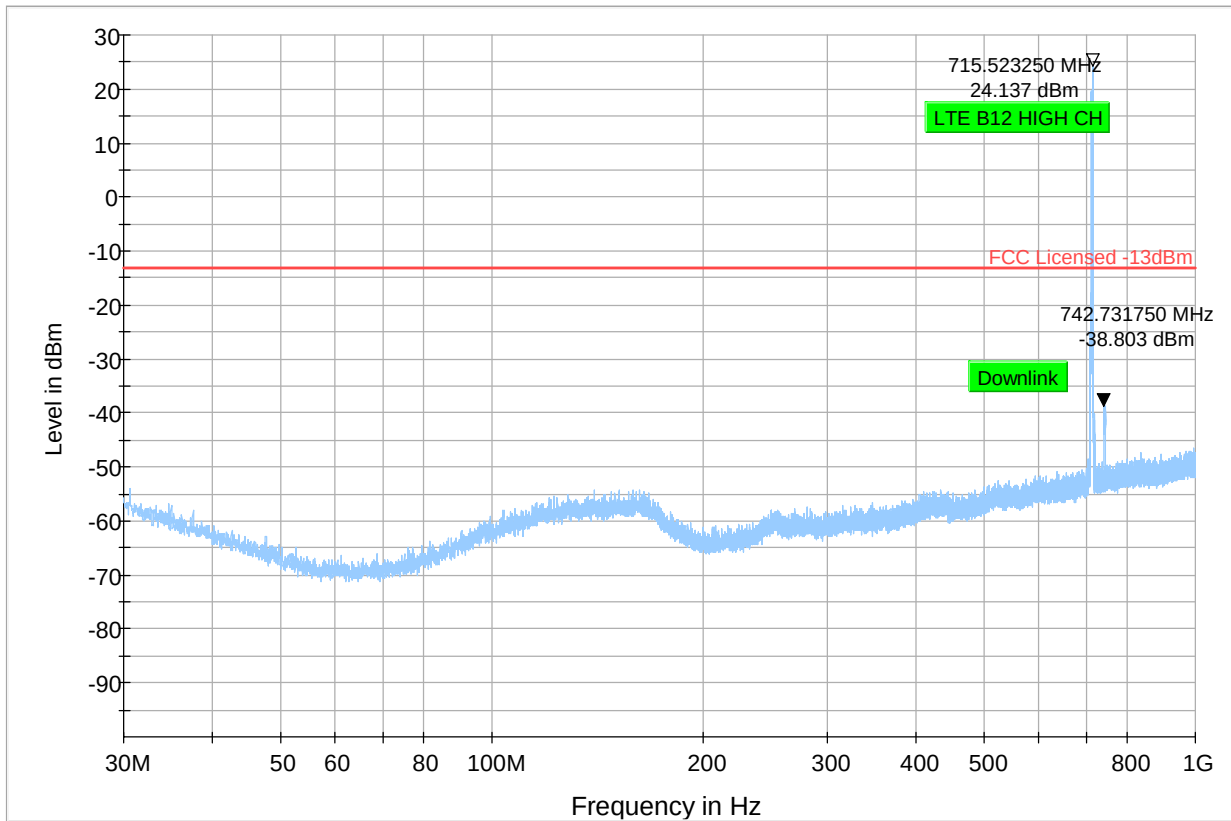
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
◆ Final_Result RMS ◆ Final_Result PK+

Plot # 39

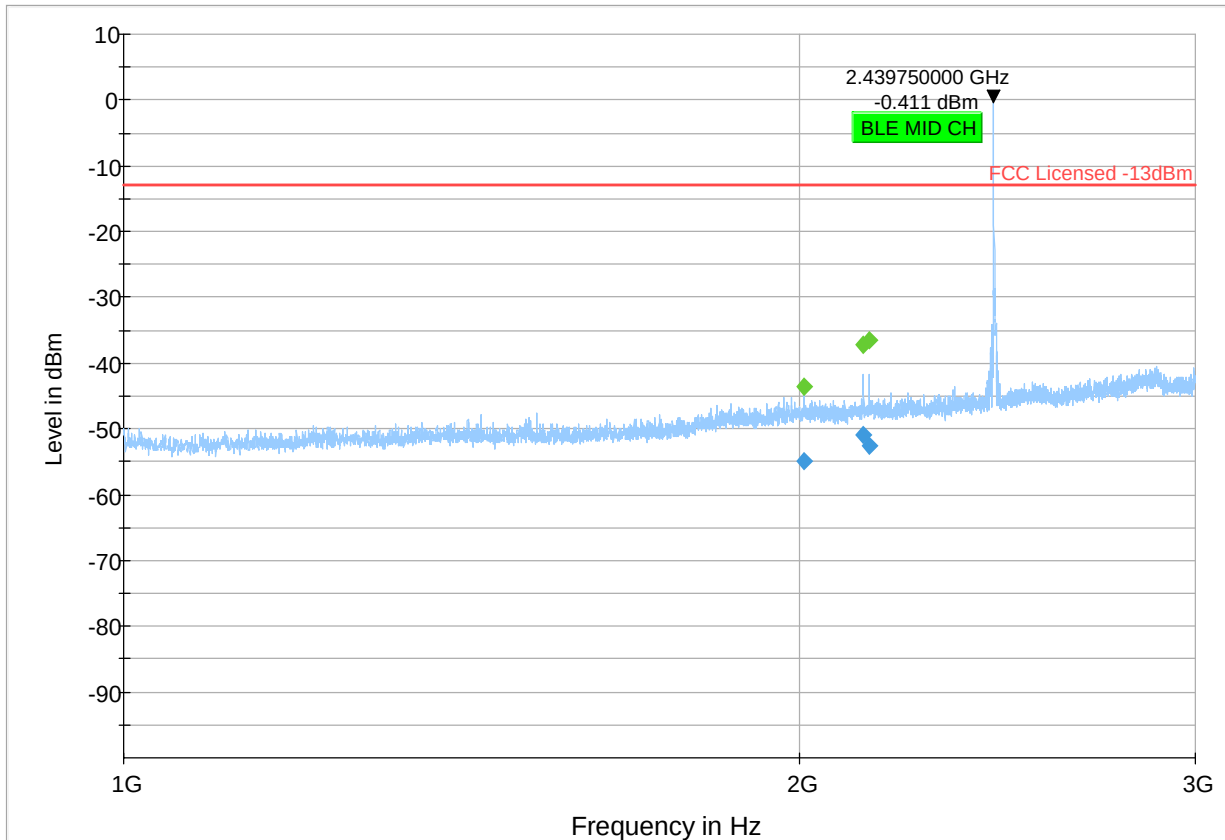
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
Final_Result RMS ◆ Final_Result PK+

Plot # 40

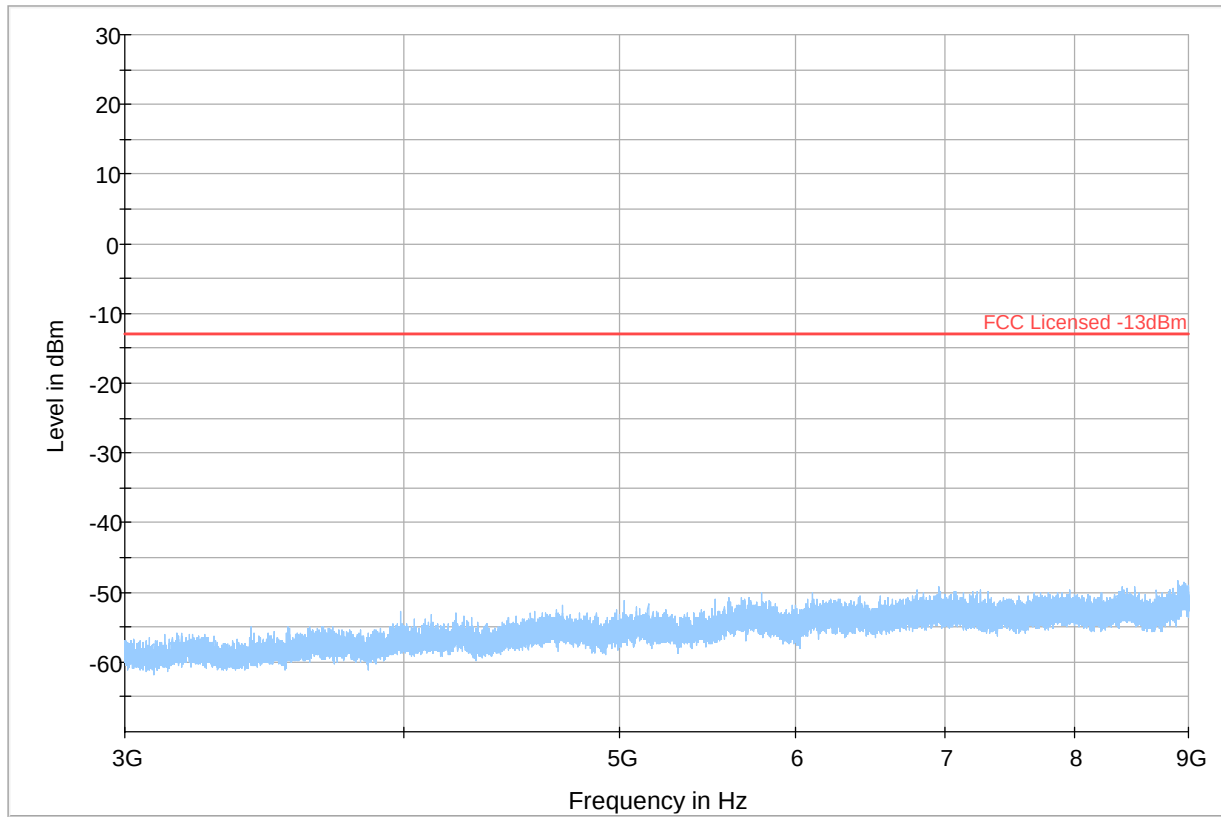
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2009.25	---	-43.50	---	---	500.0	1000.0	167.0	H	46.0	-63.7
2009.25	-54.80	---	-13.00	41.80	500.0	1000.0	167.0	H	46.0	-63.7
2134.75	---	-37.24	---	---	500.0	1000.0	107.0	H	4.0	-63.4
2134.75	-50.88	---	-13.00	37.88	500.0	1000.0	107.0	H	4.0	-63.4
2146.50	---	-36.54	---	---	500.0	1000.0	116.0	H	3.0	-63.4
2146.50	-52.48	---	-13.00	39.48	500.0	1000.0	116.0	H	3.0	-63.4



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 41

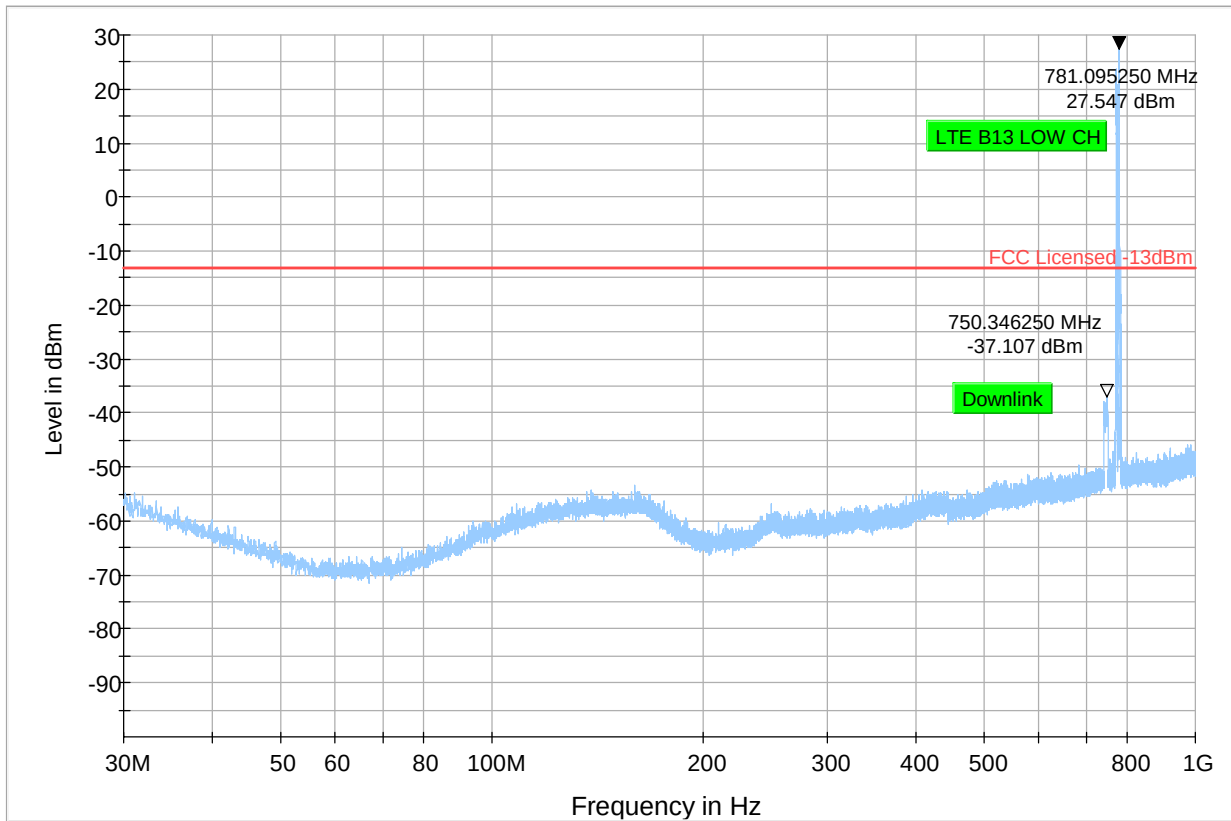
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
Final_Result RMS ◆ Final_Result PK+

Plot # 42

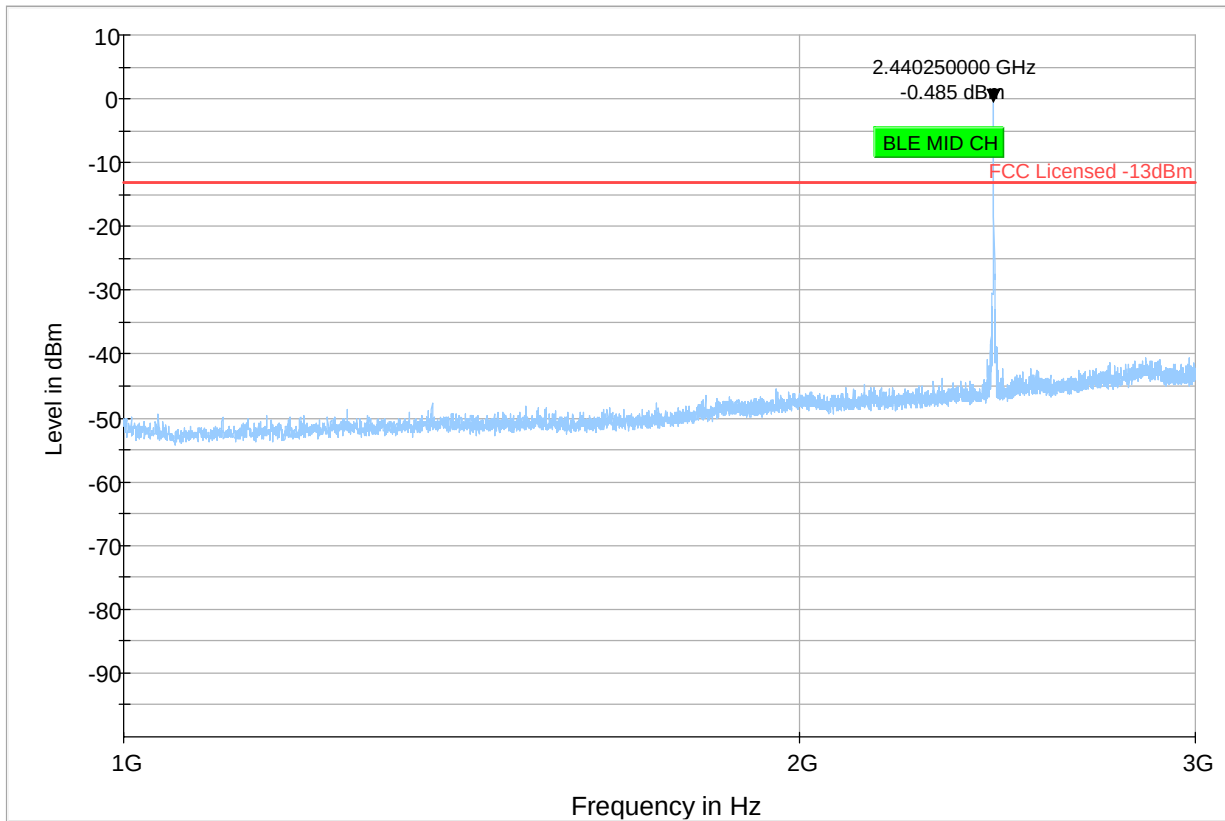
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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◆ Preview Result 1-PK+ Final_Result RMS * Critical_Freqs PK+ Final_Result PK+ — FCC Licensed -13dBm

Plot # 43

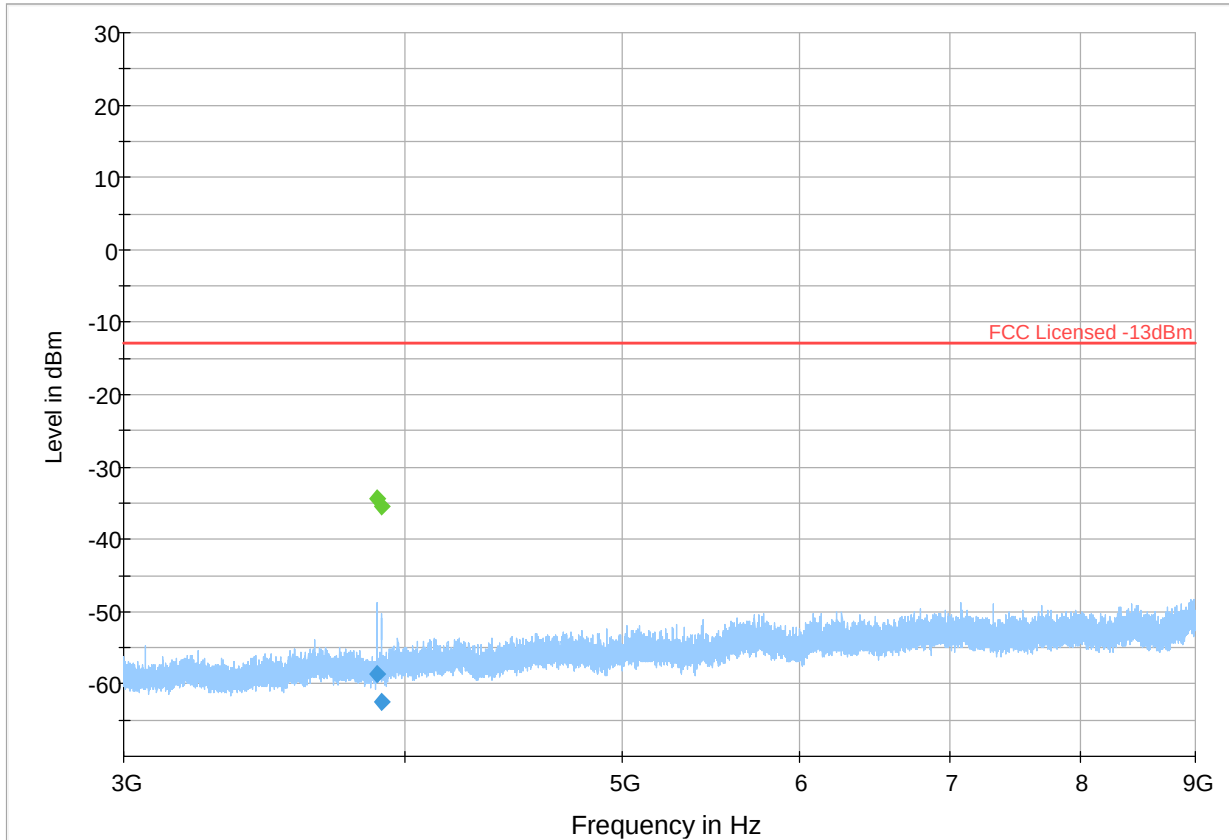
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
Final_Result RMS ◆ Final_Result PK+

Plot # 44

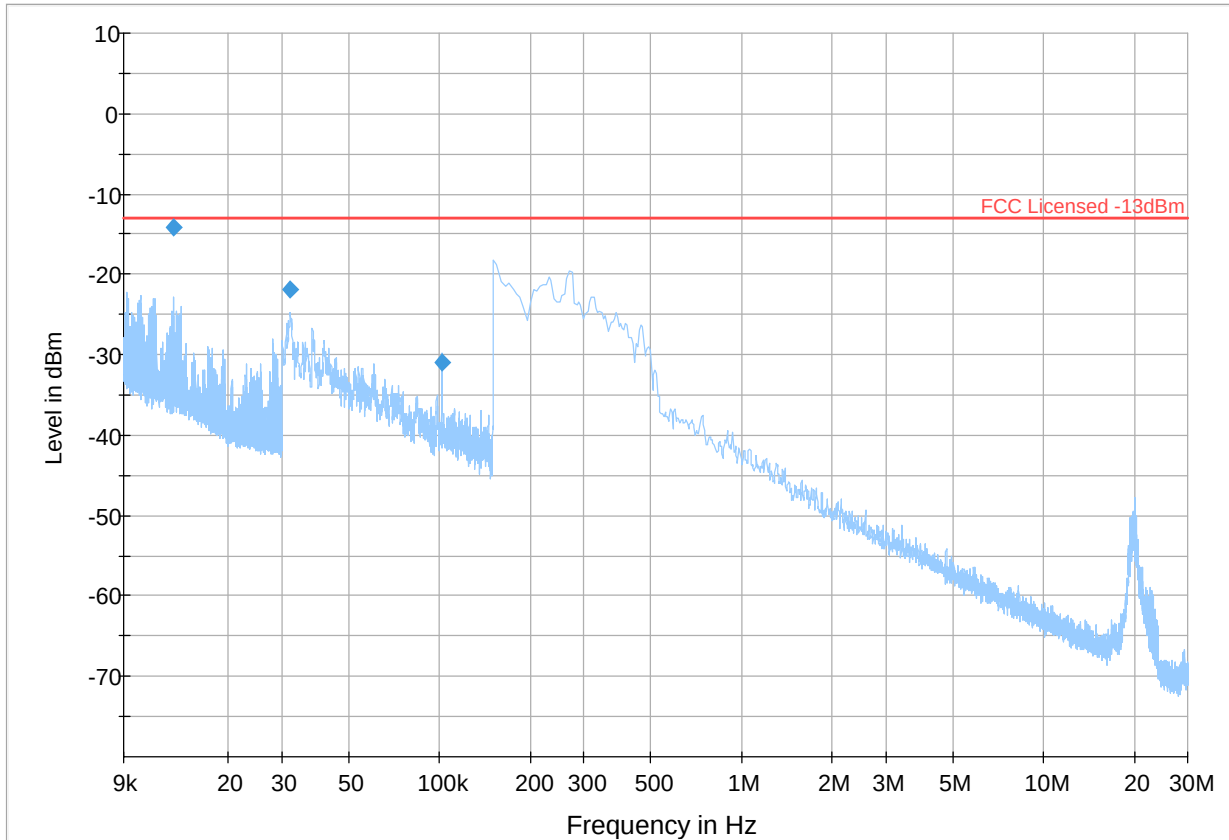
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3887.40	---	-34.38	---	---	500.0	1000.0	133.0	V	337.0	-101.0
3887.40	-58.63	---	-13.00	45.63	500.0	1000.0	133.0	V	337.0	-101.0
3907.20	---	-35.36	---	---	500.0	1000.0	107.0	V	334.0	-100.8
3907.20	-62.48	---	-13.00	49.48	500.0	1000.0	107.0	V	334.0	-100.8



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 45

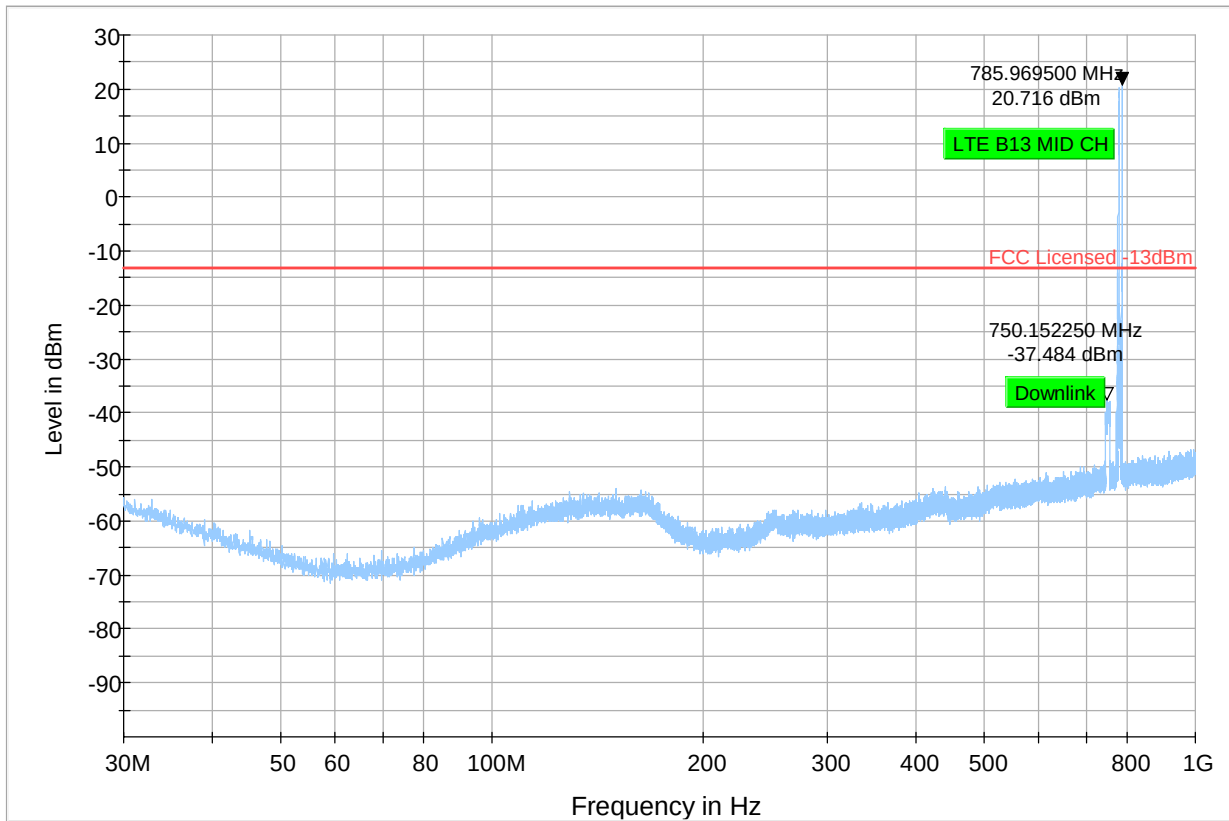
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.01	-14.22	---	-13.00	1.22	500.0	1.0	100.0	V	304.0	-68.2
0.03	-21.84	---	-13.00	8.84	500.0	1.0	100.0	V	307.0	-73.5
0.10	-30.99	---	-13.00	17.99	500.0	1.0	100.0	V	325.0	-76.9



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 46

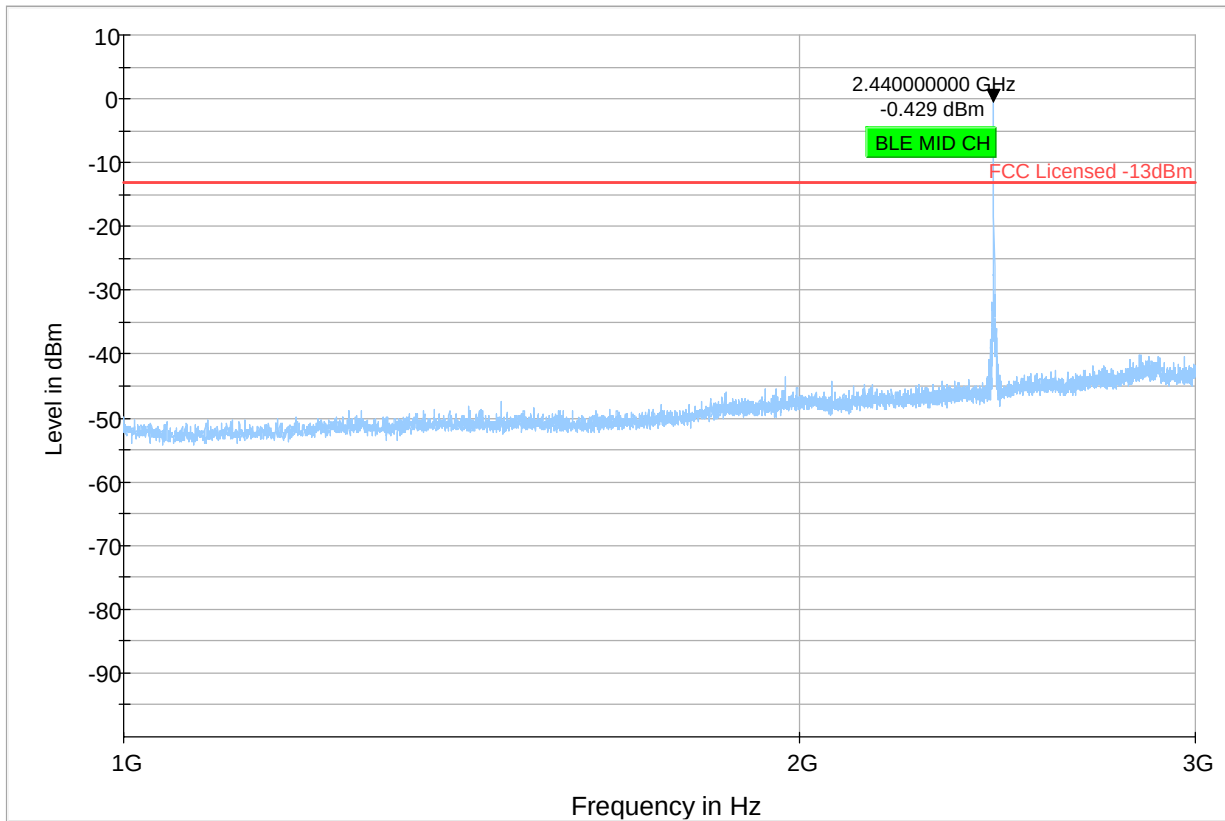
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
Final_Result RMS ◆ Final_Result PK+

Plot # 47

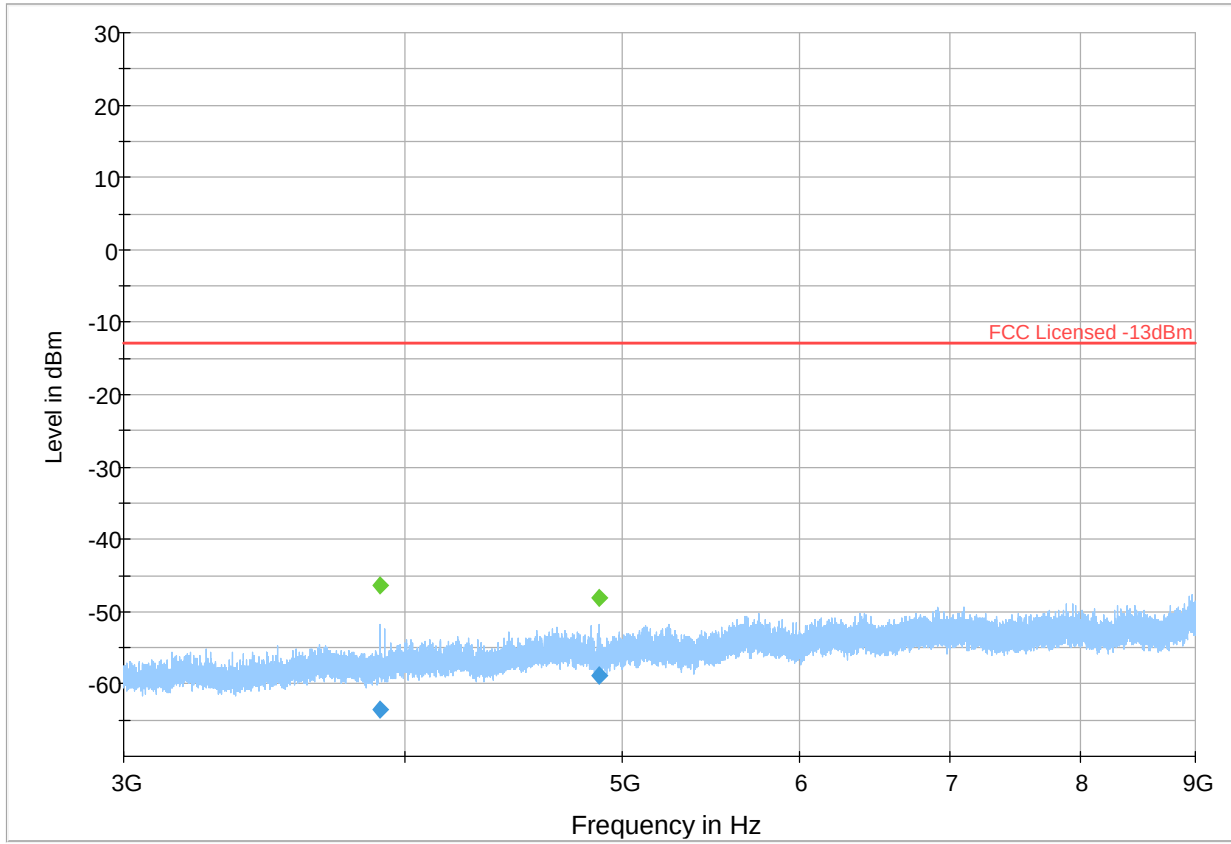
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
Final_Result RMS ◆ Final_Result PK+

Plot # 48

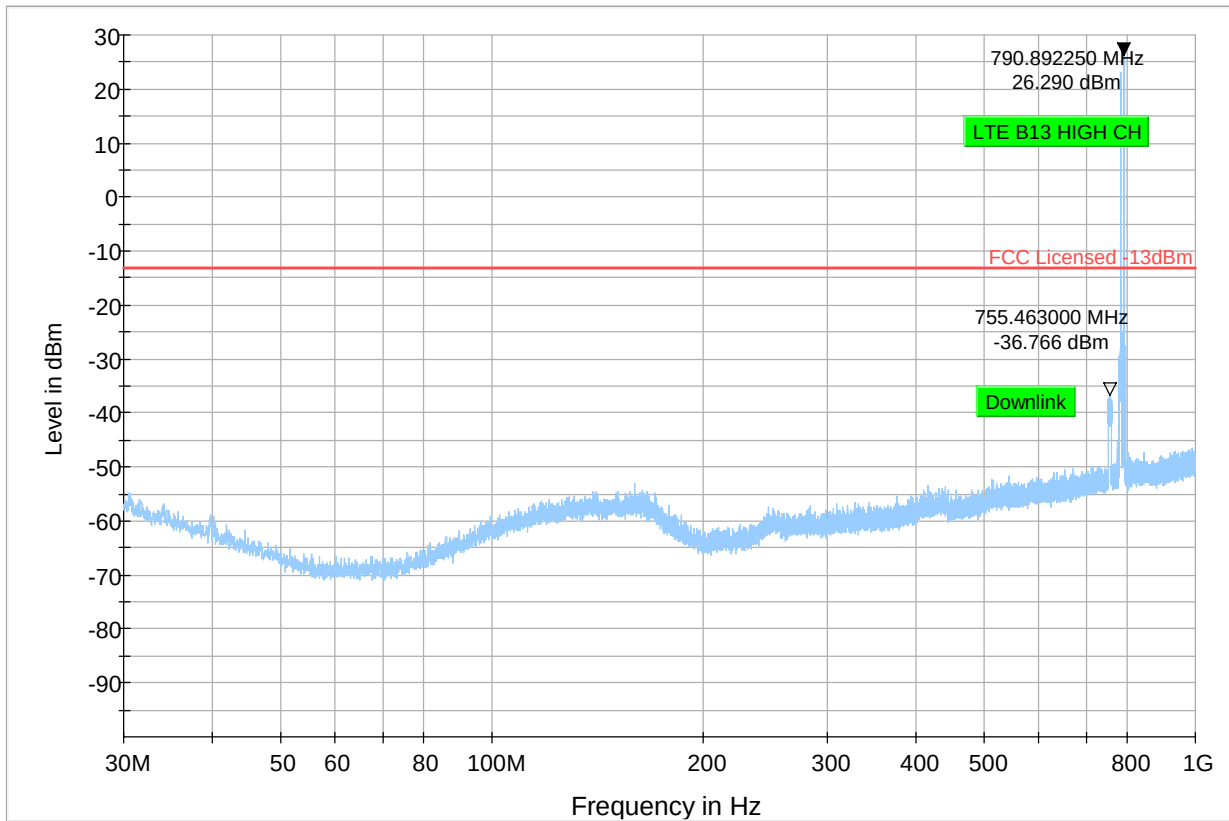
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3899.10	---	-46.37	---	---	500.0	1000.0	150.0	H	160.0	-100.9
3899.10	-63.63	---	-13.00	50.63	500.0	1000.0	150.0	H	160.0	-100.9
4880.50	---	-48.08	---	---	500.0	1000.0	134.0	V	134.0	-99.0
4880.50	-58.77	---	-13.00	45.77	500.0	1000.0	134.0	V	134.0	-99.0



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 49

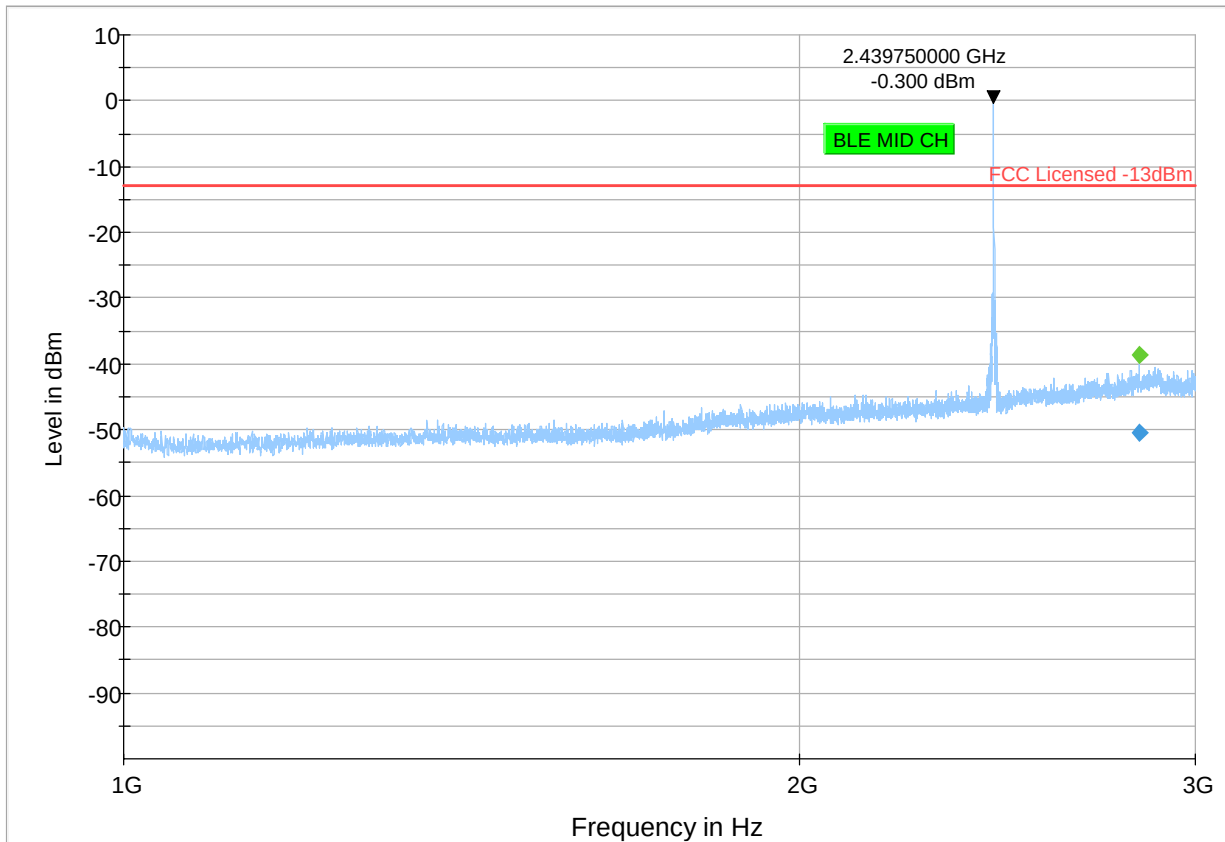
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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◆ Preview Result 1-PK+ Final_Result RMS * Critical_Freqs PK+ Final_Result PK+ — FCC Licensed -13dBm

Plot # 50

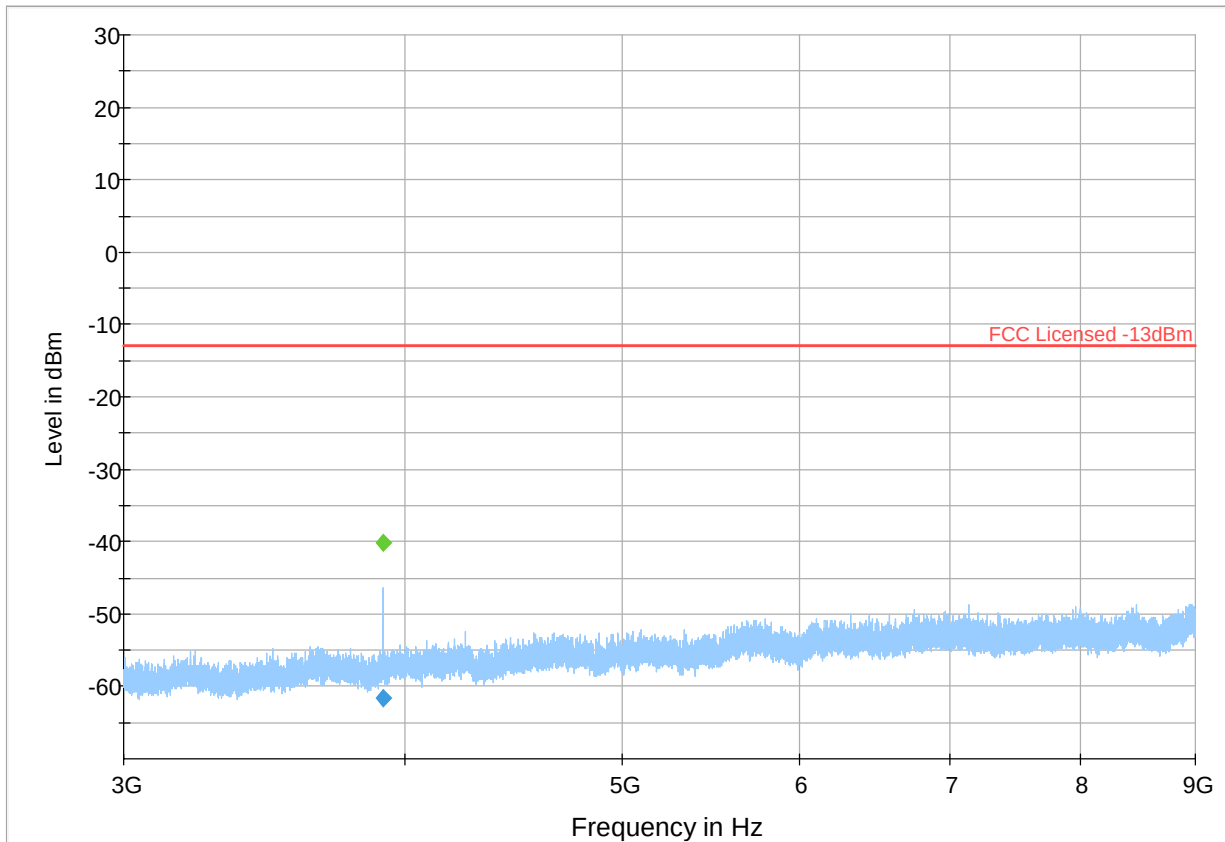
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2833.25	---	-38.69	---	---	500.0	1000.0	325.0	V	101.0	-60.7
2833.25	-50.33	---	-13.00	37.33	500.0	1000.0	325.0	V	101.0	-60.7



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 51

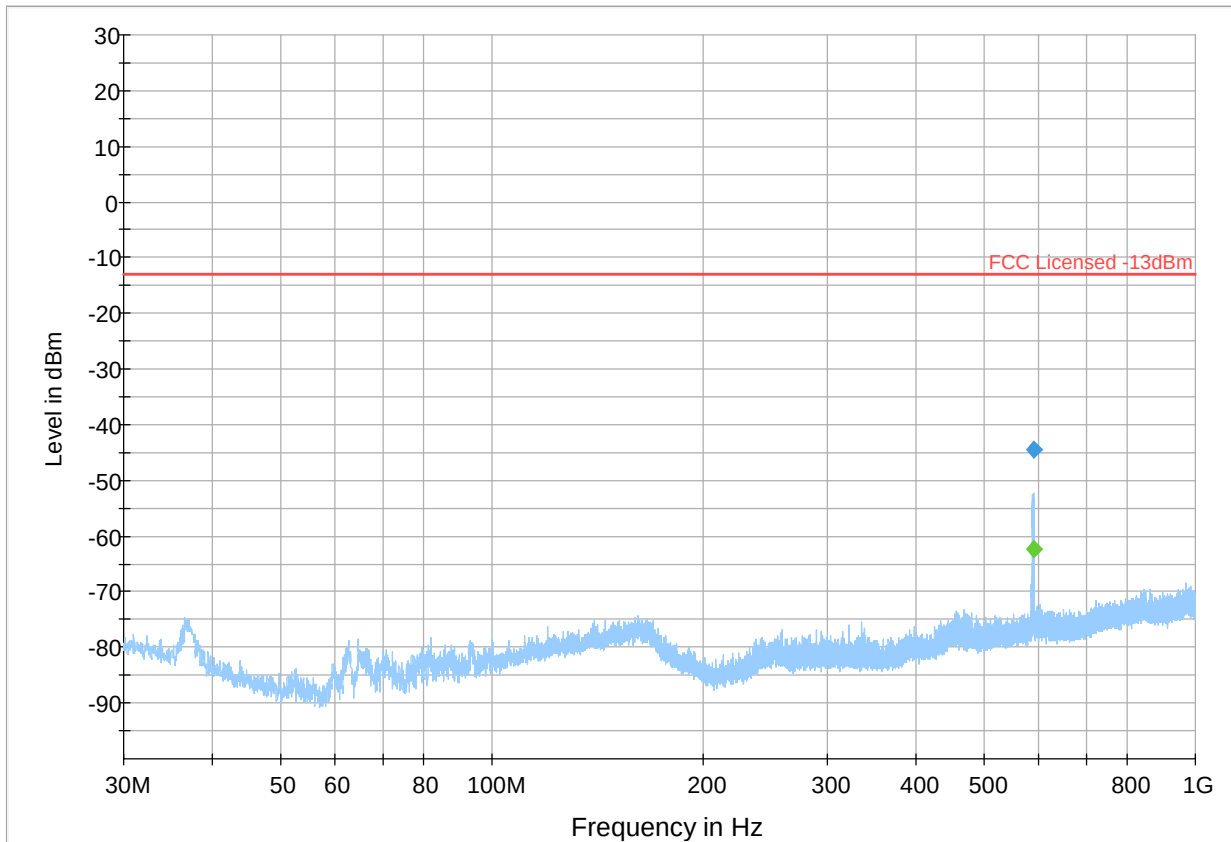
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3912.20	---	-40.28	---	---	500.0	1000.0	150.0	V	55.0	-100.8
3912.20	-61.54	---	-13.00	48.54	500.0	1000.0	150.0	V	55.0	-100.8



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 52

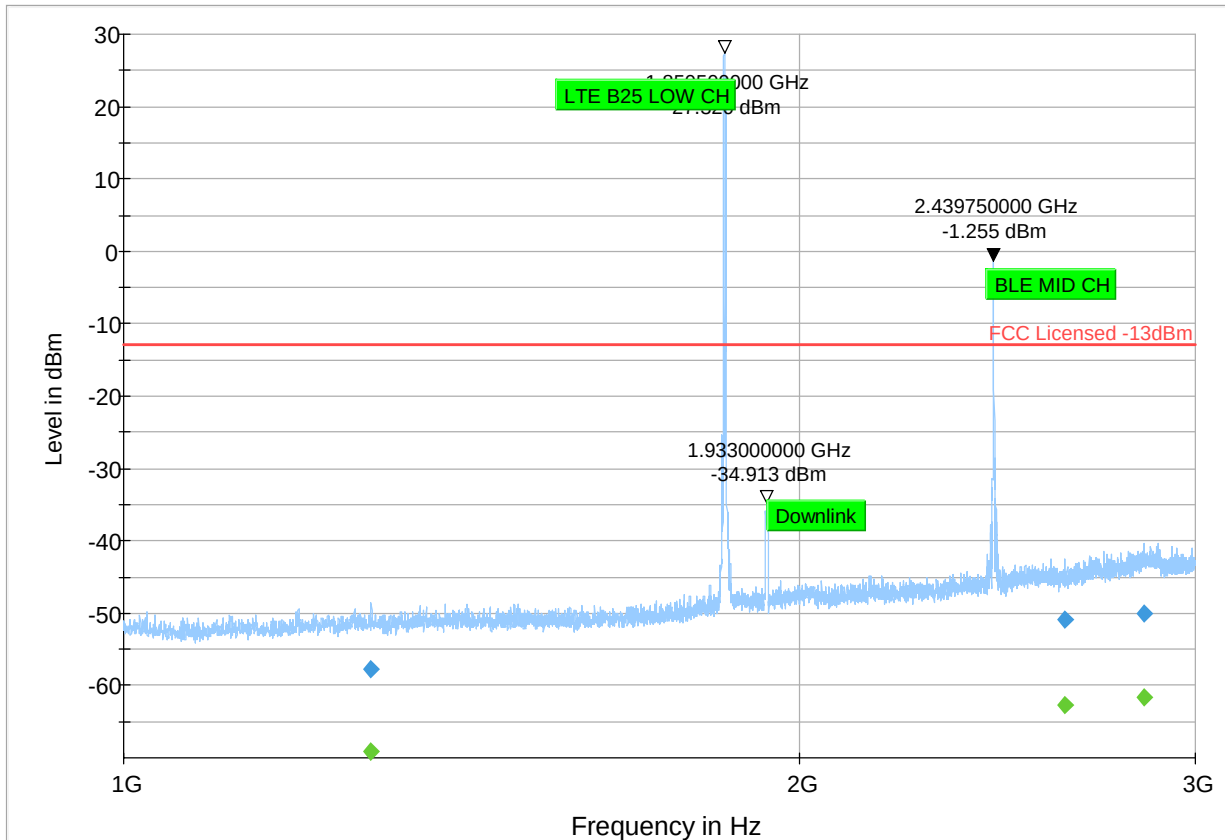
Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
588.91	---	-62.24	---	---	500.0	120.0	150.0	H	162.0	-102.4
588.91	-44.36	---	-13.00	31.36	500.0	120.0	150.0	H	162.0	-102.4



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result PK+ Final_Result RMS

Plot # 53

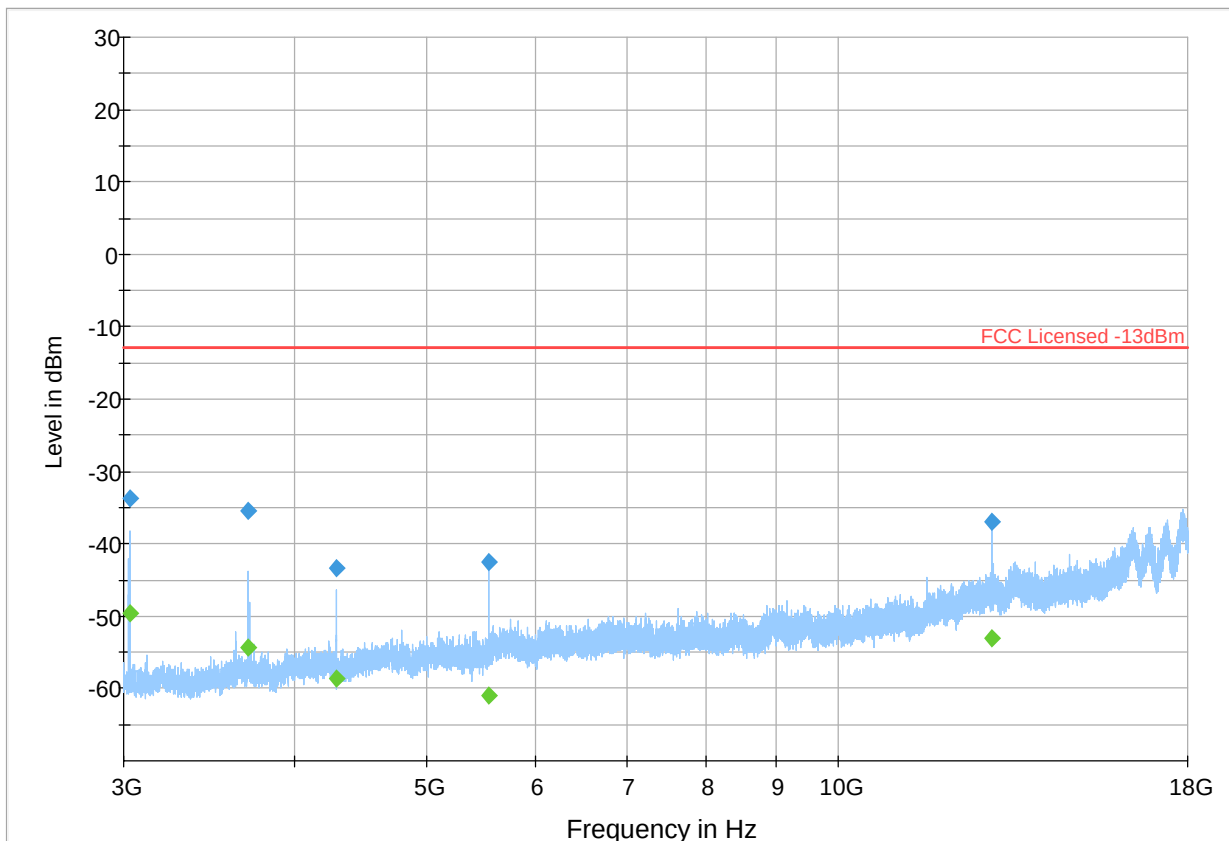
Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1289.00	---	-69.14	---	---	500.0	1000.0	292.0	H	322.0	-66.7
1289.00	-57.81	---	-13.00	44.81	500.0	1000.0	292.0	H	322.0	-66.7
2626.00	---	-62.65	---	---	500.0	1000.0	228.0	V	62.0	-61.7
2626.00	-50.83	---	-13.00	37.83	500.0	1000.0	228.0	V	62.0	-61.7
2845.00	---	-61.73	---	---	500.0	1000.0	129.0	H	-20.0	-60.7
2845.00	-49.99	---	-13.00	36.99	500.0	1000.0	129.0	H	-20.0	-60.7



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result PK+ Final_Result RM

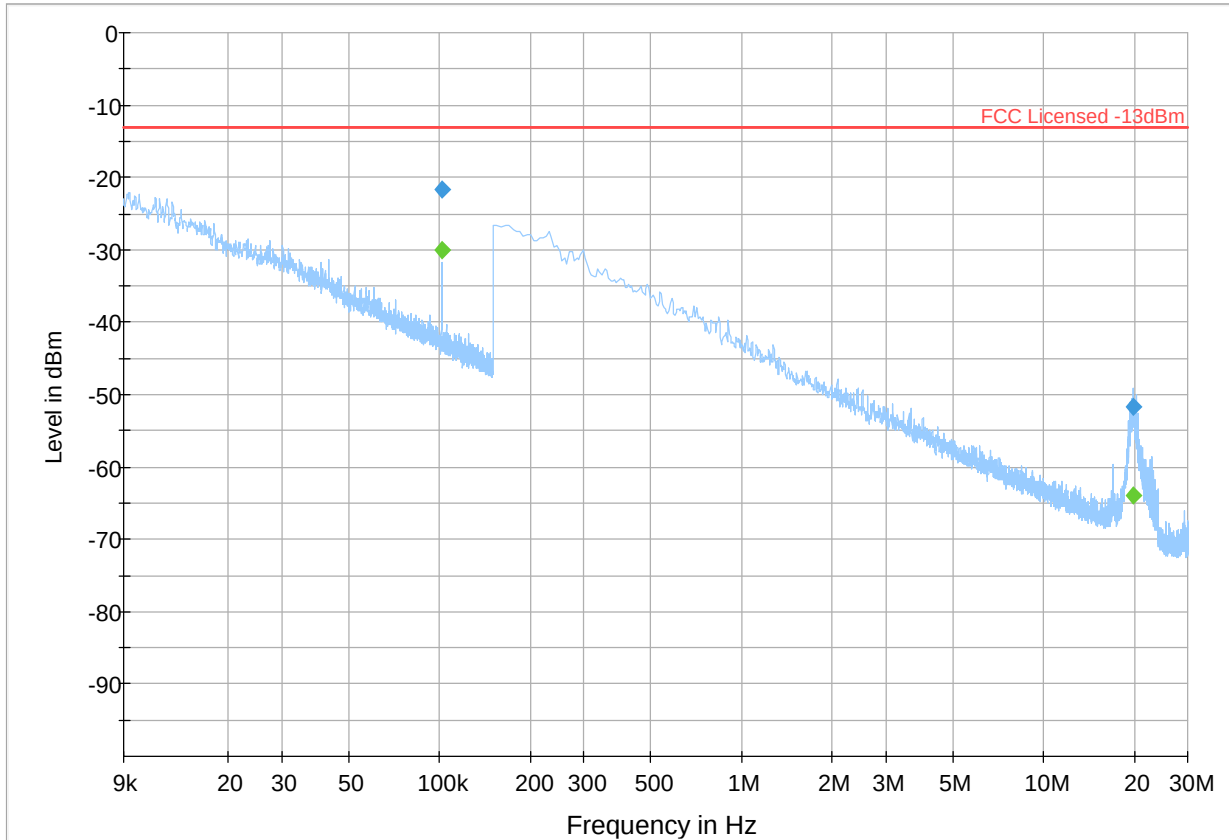
Plot # 54

Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3029.00	---	-49.56	---	---	500.0	1000.0	179.0	H	115.0	-103.1
3029.00	-33.78	---	-13.00	20.78	500.0	1000.0	179.0	H	115.0	-103.1
3700.75	---	-54.42	---	---	500.0	1000.0	117.0	H	222.0	-100.6
3700.75	-35.36	---	-13.00	22.36	500.0	1000.0	117.0	H	222.0	-100.6
4290.00	---	-58.71	---	---	500.0	1000.0	117.0	H	271.0	-99.5
4290.00	-43.35	---	-13.00	30.35	500.0	1000.0	117.0	H	271.0	-99.5
5550.75	---	-60.92	---	---	500.0	1000.0	169.0	H	244.0	-97.5
5550.75	-42.60	---	-13.00	29.60	500.0	1000.0	169.0	H	244.0	-97.5
12952.75	---	-53.02	---	---	500.0	1000.0	142.0	V	268.0	-86.5
12952.75	-36.96	---	-13.00	23.96	500.0	1000.0	142.0	V	268.0	-86.5



Plot # 55

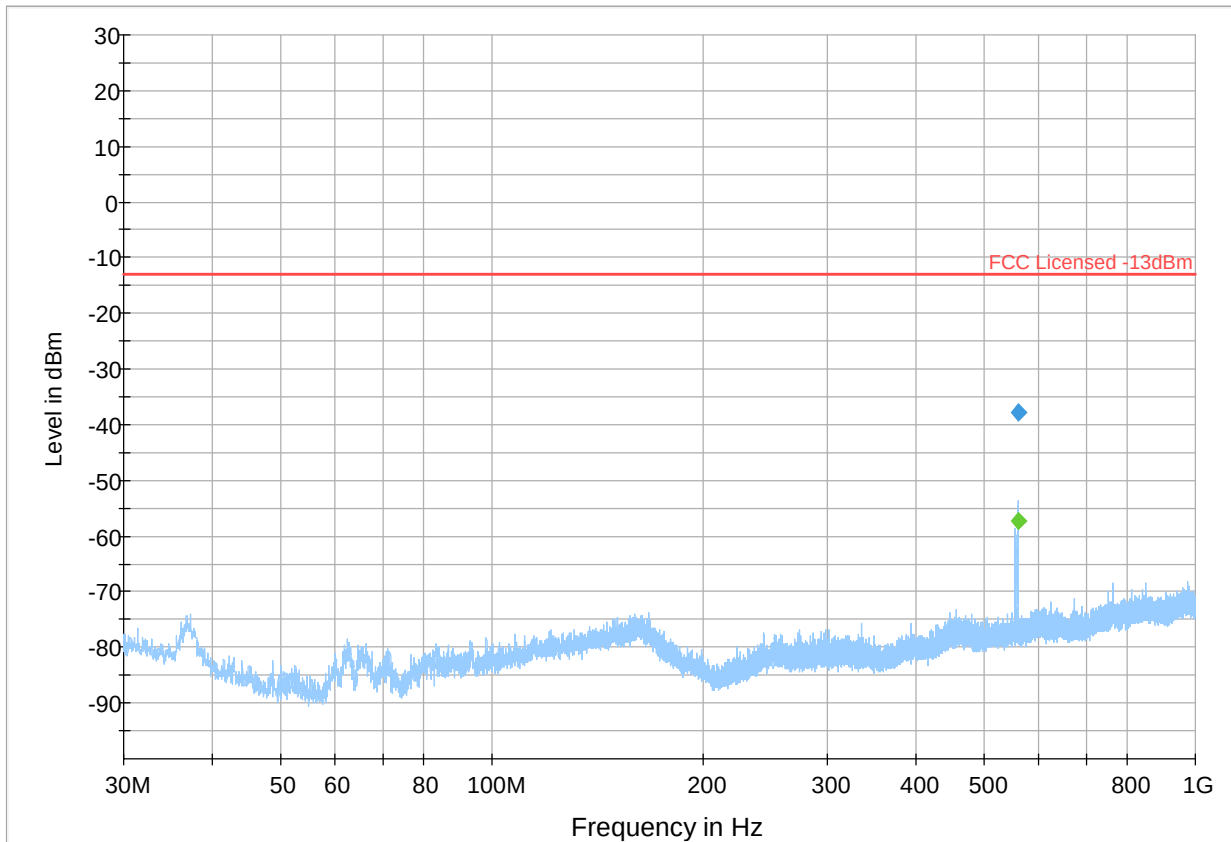
Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.10	---	-30.02	---	---	500.0	9.0	100.0	V	-83.0	-76.9
0.10	-21.70	---	-13.00	8.70	500.0	9.0	100.0	V	-83.0	-76.9
19.83	---	-64.02	---	---	500.0	9.0	100.0	V	112.0	-78.7
19.83	-51.72	---	-13.00	38.72	500.0	9.0	100.0	V	112.0	-78.7



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result PK+ Final_Result RMS

Plot # 56

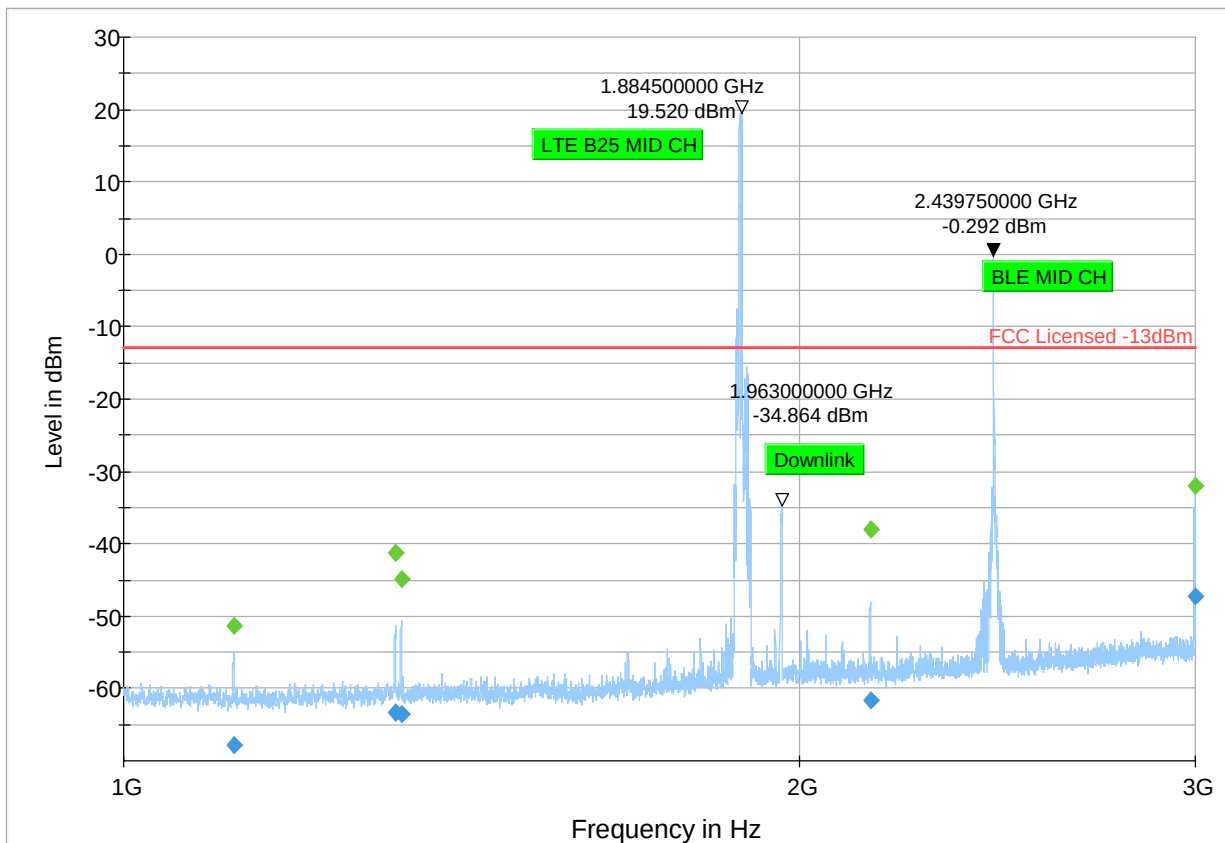
Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
559.45	---	-57.39	---	---	500.0	120.0	100.0	H	307.0	-103.6
559.45	-37.84	---	-13.00	24.84	500.0	120.0	100.0	H	307.0	-103.6



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result PK+ Final_Result RM

Plot # 57

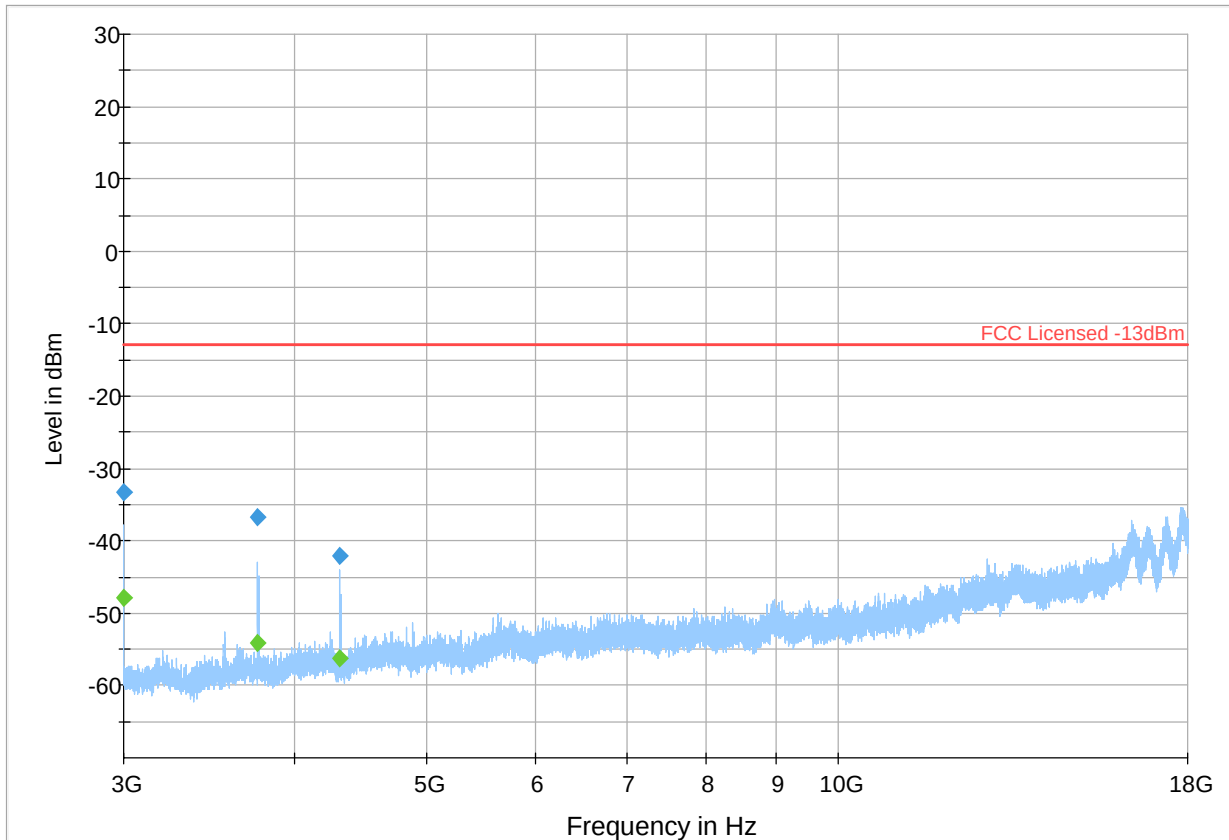
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1119.25	-67.82	---	-13.00	54.82	500.0	1000.0	151.0	H	294.0	-92.8
1119.25	---	-51.35	---	---	500.0	1000.0	151.0	H	294.0	-92.8
1321.25	-63.45	---	-13.00	50.45	500.0	1000.0	151.0	H	284.0	-92.8
1321.25	---	-41.18	---	---	500.0	1000.0	151.0	H	284.0	-92.8
1329.00	-63.63	---	-13.00	50.63	500.0	1000.0	150.0	H	326.0	-92.8
1329.00	---	-44.94	---	---	500.0	1000.0	150.0	H	326.0	-92.8
2149.25	---	-38.02	---	---	500.0	1000.0	100.0	H	258.0	-89.9
2149.25	-61.53	---	-13.00	48.53	500.0	1000.0	100.0	H	258.0	-89.9
3000.00	-47.23	---	-13.00	34.23	500.0	1000.0	162.0	H	261.0	-86.1
3000.00	---	-32.06	---	---	500.0	1000.0	162.0	H	261.0	-86.1



— Preview Result 1-PK+
 — FCC Licensed -13dBm
 ◆ Final_Result RMS
 ◆ Final_Result PK

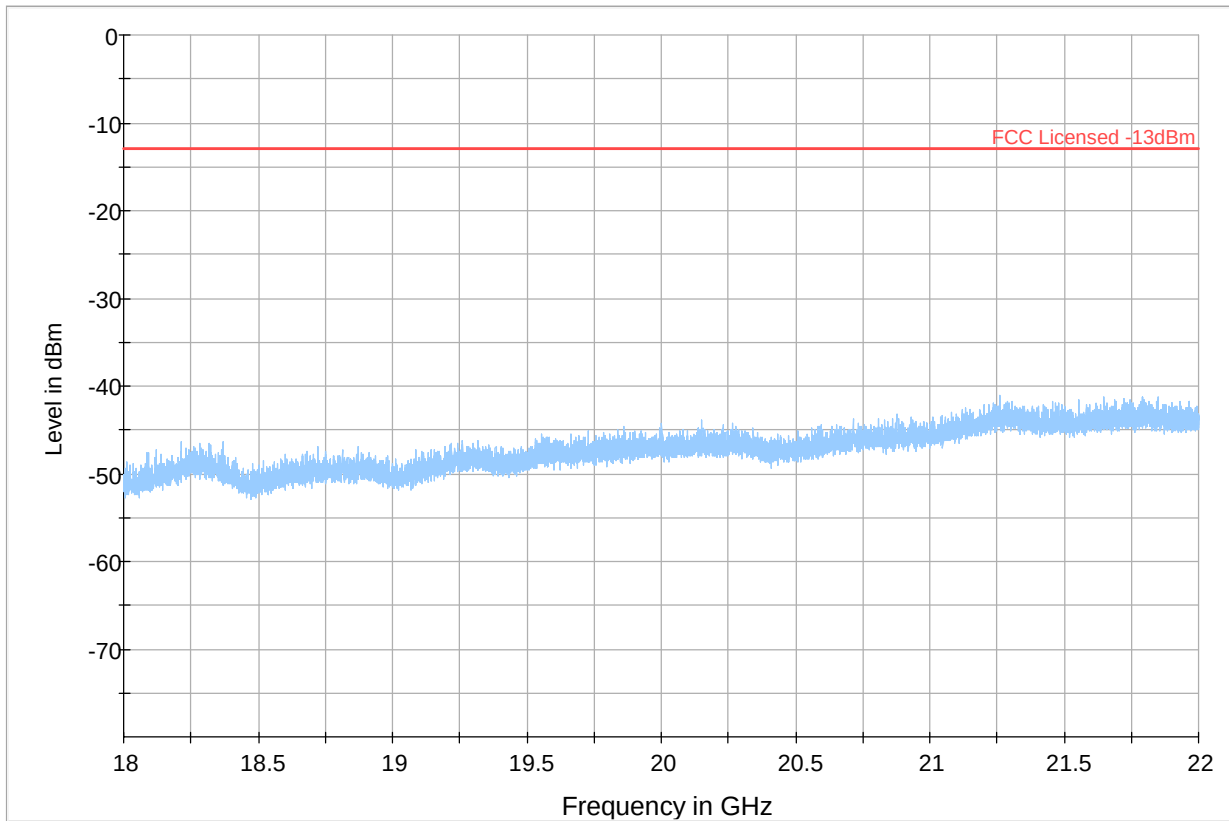
Plot # 58

Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3000.00	---	-47.82	---	---	500.0	1000.0	280.0	H	335.0	-102.9
3000.00	-33.23	---	-13.00	20.23	500.0	1000.0	280.0	H	335.0	-102.9
3761.00	---	-54.07	---	---	500.0	1000.0	177.0	H	233.0	-100.9
3761.00	-36.74	---	-13.00	23.74	500.0	1000.0	177.0	H	233.0	-100.9
4320.50	---	-56.23	---	---	500.0	1000.0	186.0	H	119.0	-99.8
4320.50	-42.06	---	-13.00	29.06	500.0	1000.0	186.0	H	119.0	-99.8



Plot # 59

Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
Final_Result PK+ ♦ Final_Result RMS