



FUNDAMENTAL AND HARMONICS

DATA SHEETS

FCC 15.247

Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

Date: 12/11/2023
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - Low Channel - Unit 4
Transmit Mode - Y-Axis - BLE Mode
Power Level 0x23 - 1MBit

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	38.42	V	73.97	-35.55	Peak	61.25	111.56	
4804.00	26.78	V	53.97	-27.19	Avg	61.25	111.56	
7206.00								N/A - Not in Restricted Band
7206.00								
9608.00								N/A - Not in Restricted Band
9608.00								
12010.00	47.49	V	73.97	-26.48	Peak	86.75	191.50	
12010.00	35.73	V	53.97	-18.24	Avg	86.75	191.50	
14412.00								No Emission Detected
14412.00								
16814.00								No Emission Detected
16814.00								
19216.00								No Emission Detected
19216.00								
21618.00								No Emission Detected
21618.00								
24020.00								No Emission Detected
24020.00								

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Harmonics - Low Channel - Unit 4
Transmit Mode - Y-Axis - BLE Mode
Power Level 0x23 - 1MBit

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	38.30	H	73.97	-35.67	Peak	201.50	191.32	
4804.00	26.56	H	53.97	-27.41	Avg	201.50	191.32	
7206.00								N/A - Not in Restricted Band
9608.00								N/A - Not in Restricted Band
9608.00								
12010.00	47.86	H	73.97	-26.11	Peak	105.00	223.38	
12010.00	35.71	H	53.97	-18.26	Avg	105.00	223.38	
14412.00								No Emission Detected
16814.00								No Emission Detected
19216.00								No Emission Detected
21618.00								No Emission Detected
24020.00								No Emission Detected

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 Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

 Date: 12/11/2023
 Lab: D
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Harmonics - Middle Channel - Unit 4
Transmit Mode - Y-Axis - BLE Mode
Power Level 0x23 - 1MBit

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4880.00	37.75	V	73.97	-36.22	Peak	103.50	223.32	
4880.00	26.32	V	53.97	-27.65	Avg	103.50	223.32	
7320.00	45.33	V	73.97	-28.64	Peak	105.00	191.14	
7320.00	33.12	V	53.97	-20.85	Avg	105.00	191.14	
9760.00								N/A - Not in Restricted Band
9760.00								
12200.00	47.78	V	73.97	-26.19	Peak	145.25	239.20	
12200.00	36.08	V	53.97	-17.89	Avg	145.25	239.20	
14640.00								No Emission Detected
14640.00								
17080.00								No Emission Detected
17080.00								
19520.00								No Emission Detected
19520.00								
21960.00								No Emission Detected
21960.00								
24400.00								No Emission Detected
24400.00								

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Power Level 0x23 - 1MBit

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4880.00	38.30	H	73.97	-35.67	Peak	353.75	111.32	
4880.00	26.35	H	53.97	-27.62	Avg	353.75	111.32	
7320.00	45.17	H	73.97	-28.80	Peak	186.50	111.50	
7320.00	33.12	H	53.97	-20.85	Avg	186.50	111.50	
9760.00								N/A - Not in Restricted Band
9760.00								
12200.00	47.97	H	73.97	-26.00	Peak	88.00	143.44	
12200.00	36.03	H	53.97	-17.94	Avg	88.00	143.44	
14640.00								No Emission Detected
14640.00								No Emission Detected
17080.00								No Emission Detected
17080.00								No Emission Detected
19520.00								No Emission Detected
19520.00								No Emission Detected
21960.00								No Emission Detected
21960.00								No Emission Detected
24400.00								No Emission Detected
24400.00								No Emission Detected

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 Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

 Date: 12/11/2023
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 Tested By: Kyle Fujimoto

Harmonics - High Channel - Unit 4
Transmit Mode - Y-Axis - BLE Mode
Power Level 0x23 - 1MBit

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	38.28	V	73.97	-35.69	Peak	187.00	127.08	
4960.00	26.27	V	53.97	-27.70	Avg	187.00	127.08	
7440.00	45.04	V	73.97	-28.93	Peak	151.50	223.50	
7440.00	32.81	V	53.97	-21.16	Avg	151.50	223.50	
9920.00								N/A - Not in Restricted Band
9920.00								
12400.00	48.85	V	73.97	-25.12	Peak	50.75	191.14	
12400.00	36.86	V	53.97	-17.11	Avg	50.75	191.14	
14880.00								No Emission Detected
17360.00								No Emission Detected
19840.00								No Emission Detected
22320.00								No Emission Detected
24800.00								No Emission Detected

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 Model: TSTATCCEWF-01

 Date: 12/11/2023
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - High Channel - Unit 4
Transmit Mode - Y-Axis - BLE Mode
Power Level 0x23 - 1MBit

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	38.23	H	73.97	-35.74	Peak	37.50	143.44	
4960.00	26.12	H	53.97	-27.85	Avg	37.50	143.44	
7440.00	44.79	H	73.97	-29.18	Peak	95.50	207.62	
7440.00	32.82	H	53.97	-21.15	Avg	95.50	207.62	
9920.00								N/A - Not in Restricted Band
9920.00								
12400.00	48.60	H	73.97	-25.37	Peak	135.25	249.95	
12400.00	36.92	H	53.97	-17.05	Avg	135.25	249.95	
14880.00								No Emission Detected
17360.00								No Emission Detected
19840.00								No Emission Detected
22320.00								No Emission Detected
24800.00								No Emission Detected

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Universal Electronics, Inc.
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 Model: TSTATCCEWF-01

Date: 12/11/2023
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - Low Channel - Unit 4
Transmit Mode - Y-Axis - BLE Mode
Power Level 0x23 - 2MBit

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	38.85	V	73.97	-35.12	Peak	235.75	143.46	
4804.00	26.40	V	53.97	-27.57	Avg	235.75	143.46	
7206.00								N/A - Not in Restricted Band
7206.00								
9608.00								N/A - Not in Restricted Band
9608.00								
12010.00	47.65	V	73.97	-26.32	Peak	24.25	111.16	
12010.00	35.42	V	53.97	-18.55	Avg	24.25	111.16	
14412.00								No Emission Detected
14412.00								
16814.00								No Emission Detected
16814.00								
19216.00								No Emission Detected
19216.00								
21618.00								No Emission Detected
21618.00								
24020.00								No Emission Detected
24020.00								

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Transmit Mode - Y-Axis - BLE Mode
Power Level 0x23 - 2MBit

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	38.71	H	73.97	-35.26	Peak	123.50	127.10	
4804.00	26.44	H	53.97	-27.53	Avg	123.50	127.10	
7206.00								N/A - Not in Restricted Band
9608.00								N/A - Not in Restricted Band
12010.00	46.96	H	73.97	-27.01	Peak	29.00	175.40	
12010.00	35.47	H	53.97	-18.50	Avg	29.00	175.40	
14412.00								No Emission Detected
16814.00								No Emission Detected
19216.00								No Emission Detected
21618.00								No Emission Detected
24020.00								No Emission Detected

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Harmonics - Middle Channel - Unit 4
Transmit Mode - Y-Axis - BLE Mode
Power Level 0x23 - 2MBit

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4880.00	37.70	V	73.97	-36.27	Peak	285.00	126.80	
4880.00	25.99	V	53.97	-27.98	Avg	285.00	126.80	
7320.00	44.76	V	73.97	-29.21	Peak	226.25	111.82	
7320.00	32.90	V	53.97	-21.07	Avg	226.25	111.82	
9760.00								N/A - Not in Restricted Band
9760.00								
12200.00	47.76	V	73.97	-26.21	Peak	344.00	239.76	
12200.00	35.75	V	53.97	-18.22	Avg	344.00	239.76	
14640.00								No Emission Detected
14640.00								
17080.00								No Emission Detected
17080.00								
19520.00								No Emission Detected
19520.00								
21960.00								No Emission Detected
21960.00								
24400.00								No Emission Detected
24400.00								

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Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4880.00	37.80	H	73.97	-36.17	Peak	236.00	143.22	
4880.00	25.97	H	53.97	-28.00	Avg	236.00	143.22	
7320.00	44.57	H	73.97	-29.40	Peak	161.50	160.05	
7320.00	32.83	H	53.97	-21.14	Avg	161.50	160.05	
9760.00								N/A - Not in Restricted Band
9760.00								
12200.00	47.35	H	73.97	-26.62	Peak	297.50	206.98	
12200.00	35.75	H	53.97	-18.22	Avg	297.50	206.98	
14640.00								No Emission Detected
14640.00								
17080.00								No Emission Detected
17080.00								
19520.00								No Emission Detected
19520.00								
21960.00								No Emission Detected
21960.00								
24400.00								No Emission Detected
24400.00								

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Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	38.95	V	73.97	-35.02	Peak	270.00	111.94	
4960.00	25.99	V	53.97	-27.98	Avg	270.00	111.94	
7440.00	44.31	V	73.97	-29.66	Peak	173.00	128.00	
7440.00	32.44	V	53.97	-21.53	Avg	173.00	128.00	
9920.00								N/A - Not in Restricted Band
9920.00								
12400.00	48.20	V	73.97	-25.77	Peak	63.00	160.00	
12400.00	36.44	V	53.97	-17.53	Avg	63.00	160.00	
14880.00								No Emission Detected
17360.00								No Emission Detected
19840.00								No Emission Detected
22320.00								No Emission Detected
24800.00								No Emission Detected

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Power Level 0x23 - 2MBit

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	38.86	H	73.97	-35.11	Peak	266.50	127.70	
4960.00	25.93	H	53.97	-28.04	Avg	266.50	127.70	
7440.00	44.40	H	73.97	-29.57	Peak	36.75	193.75	
7440.00	32.39	H	53.97	-21.58	Avg	36.75	193.75	
9920.00								N/A - Not in Restricted Band
9920.00								
12400.00	49.05	H	73.97	-24.92	Peak	98.00	110.68	
12400.00	36.70	H	53.97	-17.27	Avg	98.00	110.68	
14880.00								No Emission Detected
17360.00								No Emission Detected
19840.00								No Emission Detected
22320.00								No Emission Detected
24800.00								No Emission Detected

FCC 15.247

 Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

 Date: 12/12/2023
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel - Unit 4
 Transmit Mode - Y-Axis - 802.11 b - Power Setting 102**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4824.00	46.35	V	73.97	-27.62	Peak	198.25	143.64	
4824.00	27.35	V	53.97	-26.62	Avg	198.25	143.64	
7236.00	49.70	V	73.97	-24.27	Peak	315.00	249.08	
7236.00	43.28	V	53.97	-10.69	Avg	351.00	249.08	
9648.00								N/A - Not in Restricted Band
9648.00								
12060.00	47.75	V	73.97	-26.22	Peak	217.25	111.28	
12060.00	36.04	V	53.97	-17.93	Avg	217.25	111.28	
14472.00								No Emission Detected
14472.00								
16884.00								No Emission Detected
16884.00								
19296.00								No Emission Detected
19296.00								
21708.00								No Emission Detected
21708.00								
24120.00								No Emission Detected
24120.00								

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 Model: TSTATCCEWF-01

Date: 12/12/2023
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel - Unit 4
 Transmit Mode - Y-Axis - 802.11 b - Power Setting 102**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4824.00	39.78	H	73.97	-34.19	Peak	70.75	176.65	
4824.00	30.01	H	53.97	-23.96	Avg	70.75	176.65	
7236.00	47.72	H	73.97	-26.25	Peak	38.50	127.70	
7236.00	38.28	H	53.97	-15.69	Avg	38.50	127.70	
9648.00								N/A - Not in Restricted Band
9648.00								
12060.00	48.03	H	73.97	-25.94	Peak	272.00	143.10	
12060.00	35.89	H	53.97	-18.08	Avg	22.00	143.10	
14472.00								No Emission Detected
14472.00								
16884.00								No Emission Detected
16884.00								
19296.00								No Emission Detected
19296.00								
21708.00								No Emission Detected
21708.00								
24120.00								No Emission Detected
24120.00								

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 Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

 Date: 12/12/2023
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel - Unit 4
 Transmit Mode - Y-Axis - 802.11 b - Power Setting 102**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4874.00	38.26	V	73.97	-35.71	Peak	169.00	127.52	
4874.00	27.15	V	53.97	-26.82	Avg	169.00	127.52	
7311.00	50.38	V	73.97	-23.59	Peak	331.50	127.52	
7311.00	42.31	V	53.97	-11.66	Avg	331.50	127.52	
9748.00								N/A - Not in Restricted Band
9748.00								
12185.00	47.27	V	73.97	-26.70	Peak	31.00	208.35	
12185.00	35.61	V	53.97	-18.36	Avg	31.00	208.35	
14622.00								No Emission Detected
14622.00								
17059.00								No Emission Detected
17059.00								
19496.00								No Emission Detected
19496.00								
21933.00								No Emission Detected
21933.00								
24370.00								No Emission Detected
24370.00								

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 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel - Unit 4
 Transmit Mode - Y-Axis - 802.11 b - Power Setting 102**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4874.00	38.35	H	73.97	-35.62	Peak	194.25	159.76	
4874.00	26.30	H	53.97	-27.67	Avg	194.25	159.76	
7311.00	49.59	H	73.97	-24.38	Peak	117.50	191.40	
7311.00	42.36	H	53.97	-11.61	Avg	117.50	191.40	
9748.00								N/A - Not in Restricted Band
9748.00								
12185.00	48.24	H	73.97	-25.73	Peak	293.00	158.92	
12185.00	35.78	H	53.97	-18.19	Avg	293.00	158.92	
14622.00								No Emission Detected
14622.00								
17059.00								No Emission Detected
17059.00								
19496.00								No Emission Detected
19496.00								
21933.00								No Emission Detected
21933.00								
24370.00								No Emission Detected
24370.00								

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 Universal Electronics, Inc.
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 Model: TSTATCCEWF-01

 Date: 12/12/2023
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - High Channel - Unit 4
 Transmit Mode - Y-Axis - 802.11 b - Power Setting 102**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4924.00	43.80	V	73.97	-30.17	Peak	322.50	127.40	
4924.00	37.22	V	53.97	-16.75	Avg	322.50	127.40	
7386.00	49.75	V	73.97	-24.22	Peak	330.25	111.46	
7386.00	40.61	V	53.97	-13.36	Avg	330.25	111.46	
9848.00								N/A - Not in Restricted Band
9848.00								
12310.00	47.42	V	73.97	-26.55	Peak	145.25	127.76	
12310.00	35.64	V	53.97	-18.33	Avg	145.25	127.76	
14772.00								No Emission Detected
14772.00								
17234.00								No Emission Detected
17234.00								
19696.00								No Emission Detected
19696.00								
22158.00								No Emission Detected
22158.00								
24620.00								No Emission Detected
24620.00								

FCC 15.247

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Date: 12/12/2023
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - High Channel - Unit 4
 Transmit Mode - Y-Axis - 802.11 b - Power Setting 102**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4924.00	45.12	H	73.97	-28.85	Peak	84.50	224.71	
4924.00	40.65	H	53.97	-13.32	Avg	84.50	224.71	
7386.00	48.47	H	73.97	-25.50	Peak	348.00	111.28	
7386.00	39.85	H	53.97	-14.12	Avg	348.00	111.28	
9848.00								N/A - Not in Restricted Band
9848.00								
12310.00	47.61	H	73.97	-26.36	Peak	72.00	158.92	
12310.00	35.63	H	53.97	-18.34	Avg	72.00	158.92	
14772.00								No Emission Detected
14772.00								
17234.00								No Emission Detected
17234.00								
19696.00								No Emission Detected
19696.00								
22158.00								No Emission Detected
22158.00								
24620.00								No Emission Detected
24620.00								

FCC 15.247

 Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

 Date: 12/20/2023
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel - Unit 4
 Transmit Mode - Y-Axis - 802.11g - Power Level 92**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4824.00	39.20	V	73.97	-34.77	Peak	80.50	111.68	
4824.00	26.74	V	53.97	-27.23	Avg	80.50	111.68	
7236.00	46.40	V	73.97	-27.57	Peak	330.50	191.44	
7236.00	34.69	V	53.97	-19.28	Avg	330.50	191.44	
9648.00								N/A - Not in Restricted Band
9648.00								
12060.00	47.88	V	73.97	-26.09	Peak	250.25	249.01	
12060.00	36.24	V	53.97	-17.73	Avg	250.25	249.01	
14472.00								No Emission Detected
14472.00								
16884.00								No Emission Detected
16884.00								
19296.00								No Emission Detected
19296.00								
21708.00								No Emission Detected
21708.00								
24120.00								No Emission Detected
24120.00								

FCC 15.247

Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

Date: 12/20/2023
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel - Unit 4
 Transmit Mode - Y-Axis - 802.11g - Power Level 92**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4824.00	39.03	H	73.97	-34.94	Peak	105.00	124.21	
4824.00	26.48	H	53.97	-27.49	Avg	105.00	124.21	
7236.00	47.24	H	73.97	-26.73	Peak	0.00	127.26	
7236.00	34.56	H	53.97	-19.41	Avg	0.00	127.26	
9648.00								N/A - Not in Restricted Band
9648.00								
12060.00	48.27	H	73.97	-25.70	Peak	151.75	127.44	
12060.00	36.21	H	53.97	-17.76	Avg	151.75	127.44	
14472.00								No Emission Detected
14472.00								
16884.00								No Emission Detected
16884.00								
19296.00								No Emission Detected
19296.00								
21708.00								No Emission Detected
21708.00								
24120.00								No Emission Detected
24120.00								

FCC 15.247

Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

Date: 12/20/2023
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel - Unit 4
 Transmit Mode - Y-Axis - 802.11g - Power Level 92**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4874.00	39.43	V	73.97	-34.54	Peak	205.25	159.32	
4874.00	27.42	V	53.97	-26.55	Avg	205.25	159.32	
7311.00	52.62	V	73.97	-21.35	Peak	75.25	143.50	
7311.00	38.06	V	53.97	-15.91	Avg	75.25	143.50	
9748.00								N/A - Not in Restricted Band
9748.00								
12185.00	47.34	V	73.97	-26.63	Peak	171.25	159.32	
12185.00	35.72	V	53.97	-18.25	Avg	171.25	159.32	
14622.00								No Emission Detected
14622.00								
17059.00								No Emission Detected
17059.00								
19496.00								No Emission Detected
19496.00								
21933.00								No Emission Detected
21933.00								
24370.00								No Emission Detected
24370.00								

FCC 15.247

Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

Date: 12/20/2023
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel - Unit 4
 Transmit Mode - Y-Axis - 802.11g - Power Level 92**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4874.00	39.74	H	73.97	-34.23	Peak	197.00	175.62	
4874.00	27.49	H	53.97	-26.48	Avg	197.00	175.62	
7311.00	48.01	H	73.97	-25.96	Peak	37.75	111.38	
7311.00	35.41	H	53.97	-18.56	Avg	37.75	111.38	
9748.00								N/A - Not in Restricted Band
9748.00								
12185.00	47.69	H	73.97	-26.28	Peak	0.00	126.91	
12185.00	35.69	H	53.97	-18.28	Avg	0.00	126.91	
14622.00								No Emission Detected
14622.00								
17059.00								No Emission Detected
17059.00								
19496.00								No Emission Detected
19496.00								
21933.00								No Emission Detected
21933.00								
24370.00								No Emission Detected
24370.00								

FCC 15.247

Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

Date: 12/20/2023
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - High Channel - Unit 4
Transmit Mode - Y-Axis - 802.11g - Power Level 92

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4924.00	38.90	V	73.97	-35.07	Peak	328.00	223.26	
4924.00	26.92	V	53.97	-27.05	Avg	328.00	223.26	
7386.00	52.07	V	73.97	-21.90	Peak	323.25	223.20	
7386.00	38.73	V	53.97	-15.24	Avg	323.25	223.20	
9848.00								N/A - Not in Restricted Band
9848.00								
12310.00	47.36	V	73.97	-26.61	Peak	121.25	111.26	
12310.00	35.52	V	53.97	-18.45	Avg	121.25	111.26	
14772.00								No Emission Detected
14772.00								
17234.00								No Emission Detected
17234.00								
19696.00								No Emission Detected
19696.00								
22158.00								No Emission Detected
22158.00								
24620.00								No Emission Detected
24620.00								



FCC 15.247

Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

Date: 12/20/2023
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - High Channel - Unit 4
 Transmit Mode - Y-Axis - 802.11g - Power Level 92**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4924.00	39.41	H	73.97	-34.56	Peak	337.75	159.26	
4924.00	27.10	H	53.97	-26.87	Avg	337.75	159.26	
7386.00	50.64	H	73.97	-23.33	Peak	27.25	111.38	
7386.00	36.90	H	53.97	-17.07	Avg	27.25	111.38	
9848.00								N/A - Not in Restricted Band
9848.00								
12310.00	47.38	H	73.97	-26.59	Peak	252.00	110.73	
12310.00	35.57	H	53.97	-18.40	Avg	252.00	110.73	
14772.00								No Emission Detected
14772.00								
17234.00								No Emission Detected
17234.00								
19696.00								No Emission Detected
19696.00								
22158.00								No Emission Detected
22158.00								
24620.00								No Emission Detected
24620.00								

FCC 15.247

 Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

 Date: 12/11/2023
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - Low Channel - Unit 4
Transmit Mode - Y-Axis - 802.11n - 20 MHz
Power Level 92

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4824.00	41.30	V	73.97	-32.67	Peak	255.25	223.76	
4824.00	27.72	V	53.97	-26.25	Avg	255.25	223.76	
7236.00	47.77	V	73.97	-26.20	Peak	96.50	223.46	
7236.00	34.17	V	53.97	-19.80	Avg	96.50	223.46	
9648.00								N/A - Not in Restricted Band
9648.00								
12060.00	48.16	V	73.97	-25.81	Peak	92.50	224.65	
12060.00	35.97	V	53.97	-18.00	Avg	92.50	224.65	
14472.00								No Emission Detected
14472.00								
16884.00								No Emission Detected
16884.00								
19296.00								No Emission Detected
19296.00								
21708.00								No Emission Detected
21708.00								
24120.00								No Emission Detected
24120.00								

FCC 15.247

 Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

 Date: 12/11/2023
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - Low Channel - Unit 4
Transmit Mode - Y-Axis - 802.11n - 20 MHz
Power Level 92

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4824.00	39.64	H	73.97	-34.33	Peak	24.00	143.58	
4824.00	26.86	H	53.97	-27.11	Avg	24.00	143.58	
7236.00	45.67	H	73.97	-28.30	Peak	218.25	249.02	
7236.00	33.73	H	53.97	-20.24	Avg	218.25	249.02	
9648.00								N/A - Not in Restricted Band
9648.00								
12060.00	48.33	H	73.97	-25.64	Peak	217.75	126.32	
12060.00	36.02	H	53.97	-17.95	Avg	217.75	126.32	
14472.00								No Emission Detected
14472.00								
16884.00								No Emission Detected
16884.00								
19296.00								No Emission Detected
19296.00								
21708.00								No Emission Detected
21708.00								
24120.00								No Emission Detected
24120.00								

FCC 15.247

 Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

 Date: 12/11/2023
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - Middle Channel - Unit 4
Transmit Mode - Y-Axis - 802.11n - 20 MHz
Power Level 92

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4874.00	38.81	V	73.97	-35.16	Peak	357.00	142.86	
4874.00	26.74	V	53.97	-27.23	Avg	357.00	142.86	
7311.00	54.07	V	73.97	-19.90	Peak	66.50	111.58	
7311.00	39.19	V	53.97	-14.78	Avg	66.50	111.58	
9748.00								N/A - Not in Restricted Band
9748.00								
12185.00	47.35	V	73.97	-26.62	Peak	70.75	222.86	
12185.00	35.73	V	53.97	-18.24	Avg	70.75	222.86	
14622.00								No Emission Detected
14622.00								
17059.00								No Emission Detected
17059.00								
19496.00								No Emission Detected
19496.00								
21933.00								No Emission Detected
21933.00								
24370.00								No Emission Detected
24370.00								

FCC 15.247

 Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

 Date: 12/11/2023
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - Middle Channel - Unit 4
Transmit Mode - Y-Axis - 802.11n - 20 MHz
Power Level 92

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4874.00	59.79	H	73.97	-14.18	Peak	206.75	249.14	
4874.00	42.63	H	53.97	-11.34	Avg	206.75	249.14	
7311.00	46.23	H	73.97	-27.74	Peak	185.00	238.74	
7311.00	33.40	H	53.97	-20.57	Avg	185.00	238.74	
9748.00								N/A - Not in Restricted Band
9748.00								
12185.00	47.33	H	73.97	-26.64	Peak	39.00	175.52	
12185.00	35.69	H	53.97	-18.28	Avg	39.00	175.52	
14622.00								No Emission Detected
14622.00								
17059.00								No Emission Detected
17059.00								
19496.00								No Emission Detected
19496.00								
21933.00								No Emission Detected
21933.00								
24370.00								No Emission Detected
24370.00								

FCC 15.247

Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

Date: 12/11/2023
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - High Channel - Unit 4
Transmit Mode - Y-Axis - 802.11n - 20 MHz
Power Level 88

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4924.00	39.04	V	73.97	-34.93	Peak	327.50	249.08	
4924.00	26.57	V	53.97	-27.40	Avg	327.50	249.08	
7386.00	49.66	V	73.97	-24.31	Peak	309.50	222.86	
7386.00	36.96	V	53.97	-17.01	Avg	309.50	222.86	
9848.00								N/A - Not in Restricted Band
9848.00								
12310.00	47.36	V	73.97	-26.61	Peak	109.50	174.98	
12310.00	35.56	V	53.97	-18.41	Avg	109.50	174.98	
14772.00								No Emission Detected
17234.00								No Emission Detected
19696.00								No Emission Detected
22158.00								No Emission Detected
24620.00								No Emission Detected



FCC 15.247

Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

Date: 12/11/2023
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - High Channel - Unit 4
Transmit Mode - Y-Axis - 802.11n - 20 MHz
Power Level 88

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4924.00	38.59	H	73.97	-35.38	Peak	243.00	159.34	
4924.00	26.67	H	53.97	-27.30	Avg	243.00	159.34	
7386.00	47.17	H	73.97	-26.80	Peak	20.00	111.46	
7386.00	35.20	H	53.97	-18.77	Avg	20.00	111.46	
9848.00								N/A - Not in Restricted Band
9848.00								
12310.00	47.67	H	73.97	-26.30	Peak	145.00	207.10	
12310.00	35.53	H	53.97	-18.44	Avg	145.00	207.10	
14772.00								No Emission Detected
17234.00								No Emission Detected
19696.00								No Emission Detected
22158.00								No Emission Detected
24620.00								No Emission Detected

FCC 15.247

 Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

 Date: 12/11/2023
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - Low Channel - Unit 4
Transmit Mode - Y-Axis - 802.11 n Mode - 40 MHz
Power Level 92

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4844.00	40.20	V	73.97	-33.77	Peak	252.25	239.10	
4844.00	27.75	V	53.97	-26.22	Avg	252.25	239.10	
7266.00	46.35	V	73.97	-27.62	Peak	73.25	223.46	
7266.00	34.42	V	53.97	-19.55	Avg	73.25	223.46	
9688.00								N/A - Not in Restricted Band
9688.00								
12110.00	47.51	V	73.97	-26.46	Peak	166.00	239.28	
12110.00	35.36	V	53.97	-18.61	Avg	166.00	239.28	
14532.00								No Emission Detected
14532.00								
16954.00								No Emission Detected
16954.00								
19376.00								No Emission Detected
19376.00								
21798.00								No Emission Detected
21798.00								
24220.00								No Emission Detected
24220.00								

FCC 15.247

 Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

 Date: 12/11/2023
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - Low Channel - Unit 4
Transmit Mode - Y-Axis - 802.11 n Mode - 40 MHz
Power Level 92

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4844.00	39.16	H	73.97	-34.81	Peak	234.00	142.98	
4844.00	27.12	H	53.97	-26.85	Avg	234.00	142.98	
7266.00	46.60	H	73.97	-27.37	Peak	234.25	111.52	
7266.00	34.38	H	53.97	-19.59	Avg	234.25	111.52	
9688.00								N/A - Not in Restricted Band
9688.00								
12110.00	48.01	H	73.97	-25.96	Peak	47.50	238.80	
12110.00	35.44	H	53.97	-18.53	Avg	47.50	238.80	
14532.00								No Emission Detected
16954.00								No Emission Detected
19376.00								No Emission Detected
21798.00								No Emission Detected
24220.00								No Emission Detected

FCC 15.247

 Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

 Date: 12/11/2023
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - Middle Channel - Unit 4
Transmit Mode - Y-Axis - 802.11 n Mode - 40 MHz
Power Level 92

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4874.00	38.73	V	73.97	-35.24	Peak	90.75	223.28	
4874.00	26.84	V	53.97	-27.13	Avg	90.75	223.28	
7311.00	47.16	V	73.97	-26.81	Peak	298.00	175.10	
7311.00	34.14	V	53.97	-19.83	Avg	298.00	175.10	
9748.00								N/A - Not in Restricted Band
9748.00								
12185.00	47.29	V	73.97	-26.68	Peak	12.00	238.08	
12185.00	35.57	V	53.97	-18.40	Avg	12.00	238.08	
14622.00								No Emission Detected
14622.00								
17059.00								No Emission Detected
17059.00								
19496.00								No Emission Detected
19496.00								
21933.00								No Emission Detected
21933.00								
24370.00								No Emission Detected
24370.00								



FCC 15.247

Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

Date: 12/11/2023
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - Middle Channel - Unit 4
Transmit Mode - Y-Axis - 802.11 n Mode - 40 MHz
Power Level 92

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4874.00	38.53	H	73.97	-35.44	Peak	65.25	143.34	
4874.00	26.39	H	53.97	-27.58	Avg	65.25	143.34	
7311.00	45.52	H	73.97	-28.45	Peak	347.75	127.46	
7311.00	33.77	H	53.97	-20.20	Avg	347.75	127.46	
9748.00								N/A - Not in Restricted Band
9748.00								
12185.00	47.34	H	73.97	-26.63	Peak	2.00	110.68	
12185.00	35.62	H	53.97	-18.35	Avg	2.00	110.68	
14622.00								No Emission Detected
17059.00								No Emission Detected
19496.00								No Emission Detected
21933.00								No Emission Detected
24370.00								No Emission Detected



FCC 15.247

Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

Date: 12/11/2023
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - High Channel - Unit 4
Transmit Mode - Y-Axis - 802.11 n Mode - 40 MHz
Power Level 88

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4904.00	38.28	V	73.97	-35.69	Peak	170.50	127.28	
4904.00	26.80	V	53.97	-27.17	Avg	170.50	127.28	
7356.00	47.43	V	73.97	-26.54	Peak	64.50	143.82	
7356.00	36.00	V	53.97	-17.97	Avg	64.50	143.82	
9808.00								N/A - Not in Restricted Band
9808.00								
12260.00	47.49	V	73.97	-26.48	Peak	168.50	159.46	
12260.00	35.68	V	53.97	-18.29	Avg	168.50	159.46	
14712.00								No Emission Detected
17164.00								No Emission Detected
19616.00								No Emission Detected
22068.00								No Emission Detected
24520.00								No Emission Detected

FCC 15.247

Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

Date: 12/11/2023
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - High Channel - Unit 4
Transmit Mode - Y-Axis - 802.11 n Mode - 40 MHz
Power Level 88

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4904.00	38.61	H	73.97	-35.36	Peak	75.00	143.40	
4904.00	26.79	H	53.97	-27.18	Avg	75.00	143.40	
7356.00	45.89	H	73.97	-28.08	Peak	14.75	111.28	
7356.00	33.88	H	53.97	-20.09	Avg	14.75	111.28	
9808.00								N/A - Not in Restricted Band
9808.00								
12260.00	47.62	H	73.97	-26.35	Peak	231.25	111.46	
12260.00	35.69	H	53.97	-18.28	Avg	231.25	111.46	
14712.00								No Emission Detected
17164.00								No Emission Detected
19616.00								No Emission Detected
22068.00								No Emission Detected
24520.00								No Emission Detected

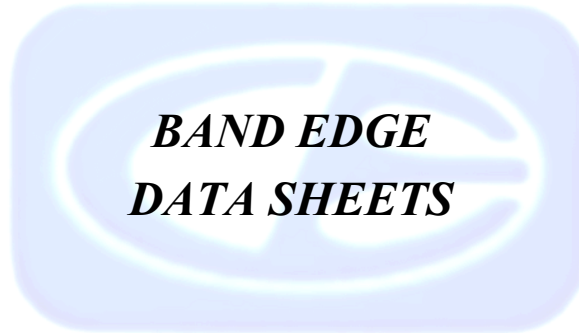
FCC 15.247

 Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

 Date: 12/11/2023
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - High Channel - Unit 4
Transmit Mode - Y-Axis - 802.11 n Mode - 40 MHz
Power Level 88

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4904.00	38.61	H	73.97	-35.36	Peak	75.00	143.40	
4904.00	26.79	H	53.97	-27.18	Avg	75.00	143.40	
7356.00	45.89	H	73.97	-28.08	Peak	14.75	111.28	
7356.00	33.88	H	53.97	-20.09	Avg	14.75	111.28	
9808.00								N/A - Not in Restricted
9808.00								Band
12260.00	47.62	H	73.97	-26.35	Peak	231.25	111.46	
12260.00	35.69	H	53.97	-18.28	Avg	231.25	111.46	
14712.00								No Emission
14712.00								Detected
17164.00								No Emission
17164.00								Detected
19616.00								No Emission
19616.00								Detected
22068.00								No Emission
22068.00								Detected
24520.00								No Emission
24520.00								Detected





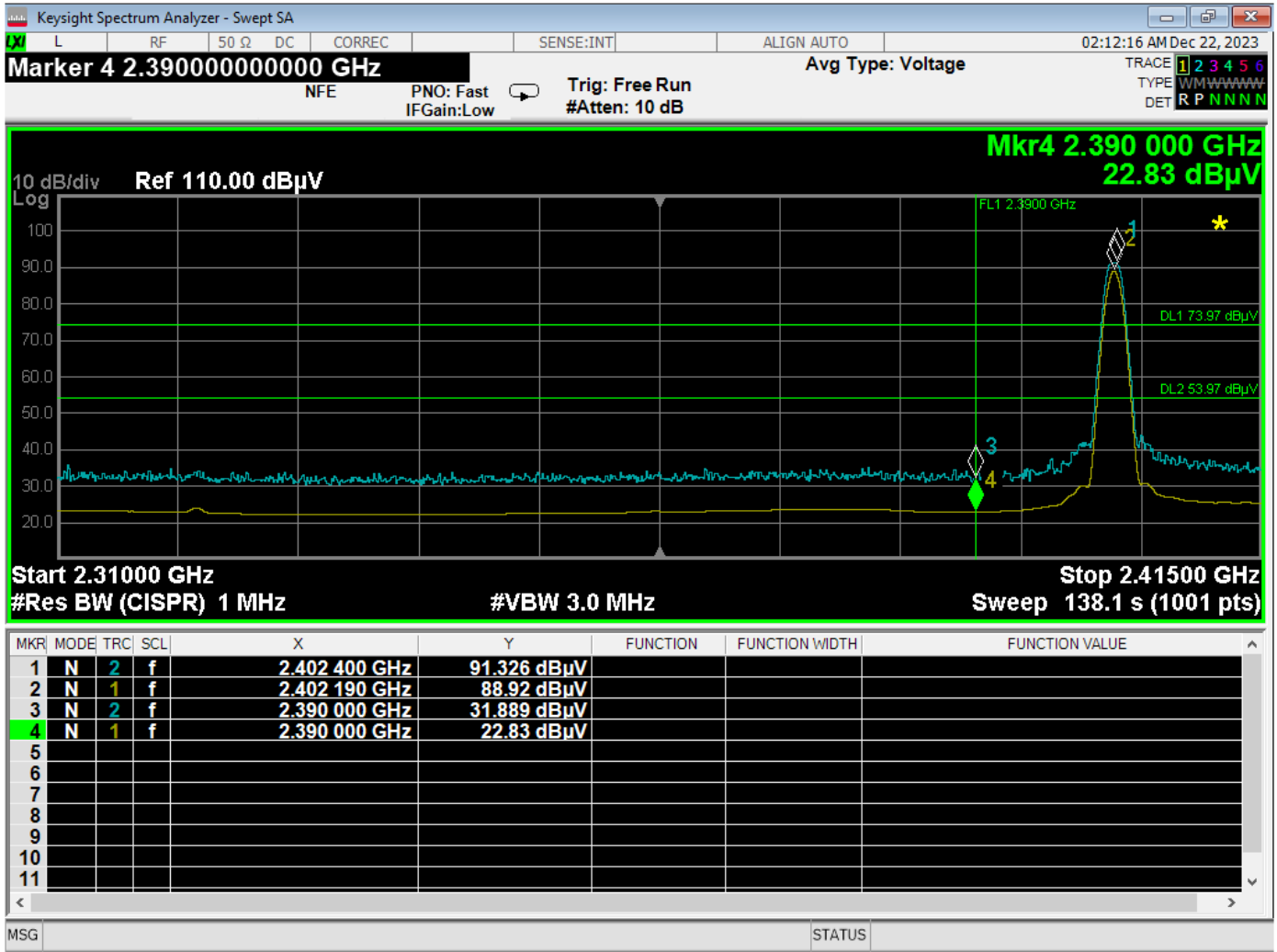
FCC 15.247

Universal Electronics, Inc.
Carrier Entry Level and ICP Thermostat 2024
Model: TSTATCCEWF-01

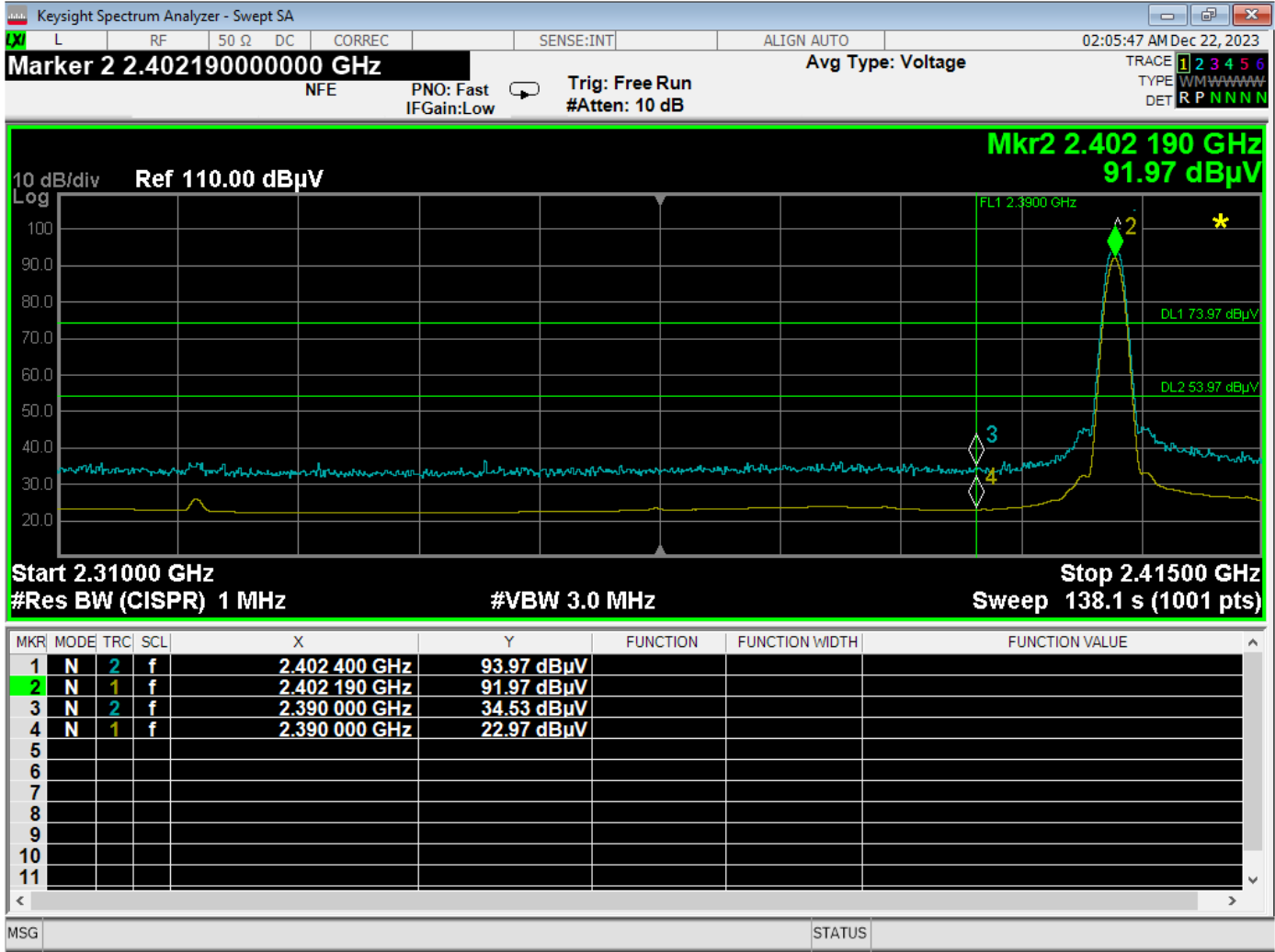
Date: 12/22/2023
Lab: D
Tested By: Kyle Fujimoto

Band Edges - BLE - Unit 4
Power Level: 0x23 - 1 Mbit

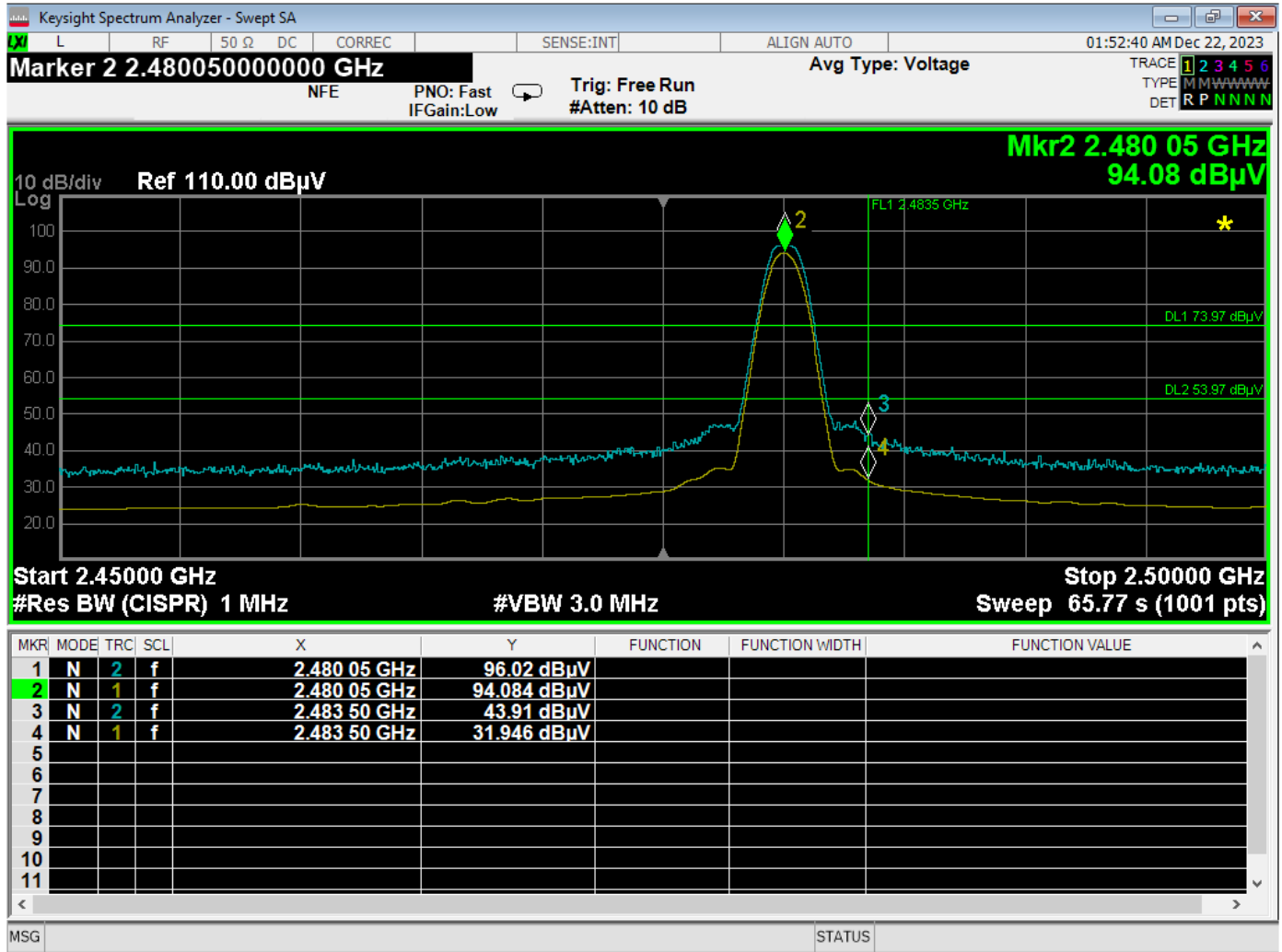
Table with 9 columns: Freq. (MHz), Level (dBuV/m), Pol (v/h), Limit, Margin, Peak / QP / Avg, Table Angle (deg), Ant. Height (cm), Comments. Rows include data for frequencies 2480.00 and 2483.50 MHz, with various levels and margins.



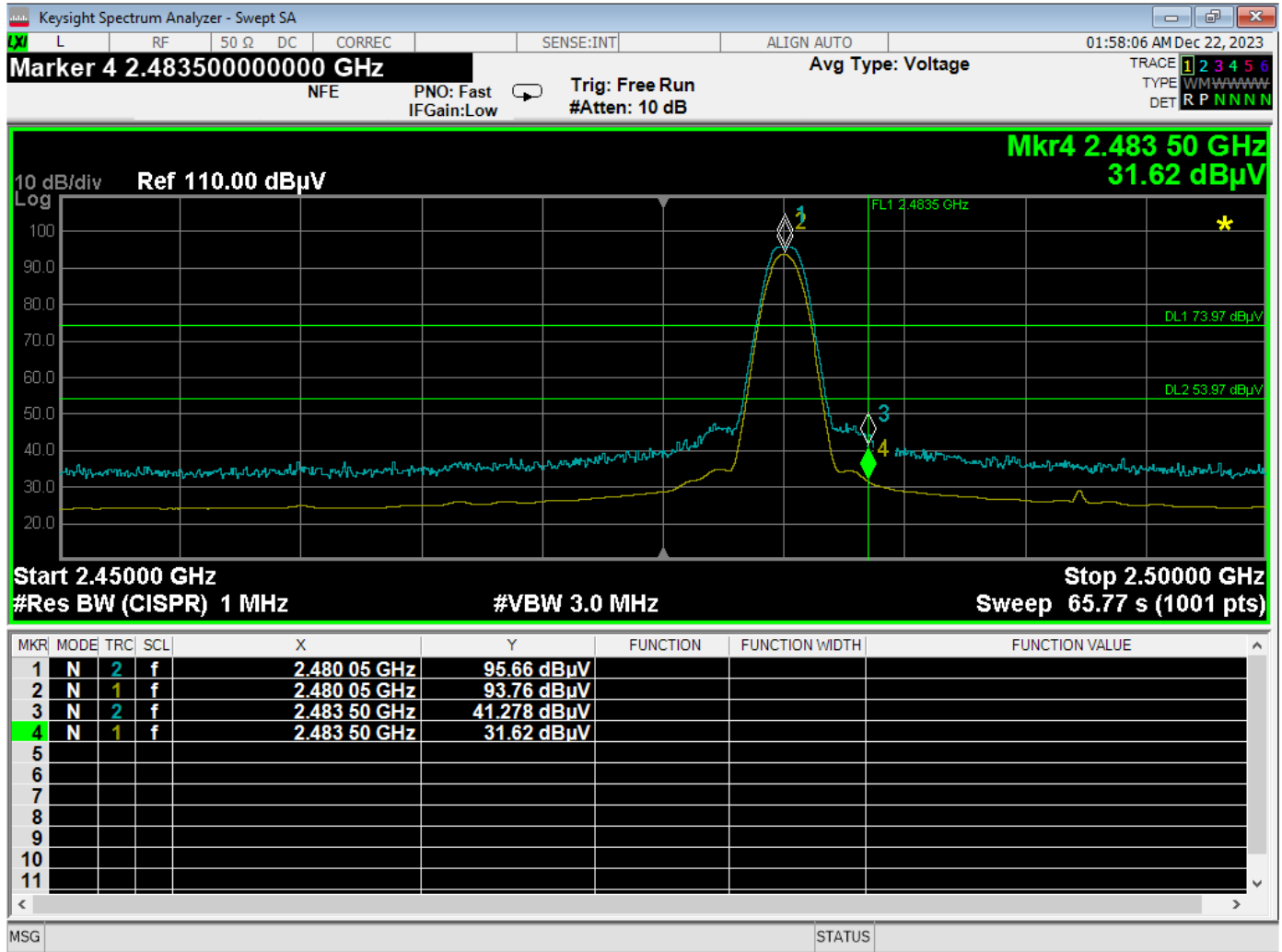
Band Edge – Low Channel – Horizontal Polarization – BLE Mode – 1 MBit



Band Edge – Low Channel – Vertical Polarization – BLE Mode – 1 Mbit



Band Edge – High Channel – Horizontal Polarization – BLE Mode – 1 MBit



Band Edge – High Channel – Vertical Polarization – BLE Mode – 1 Mbit



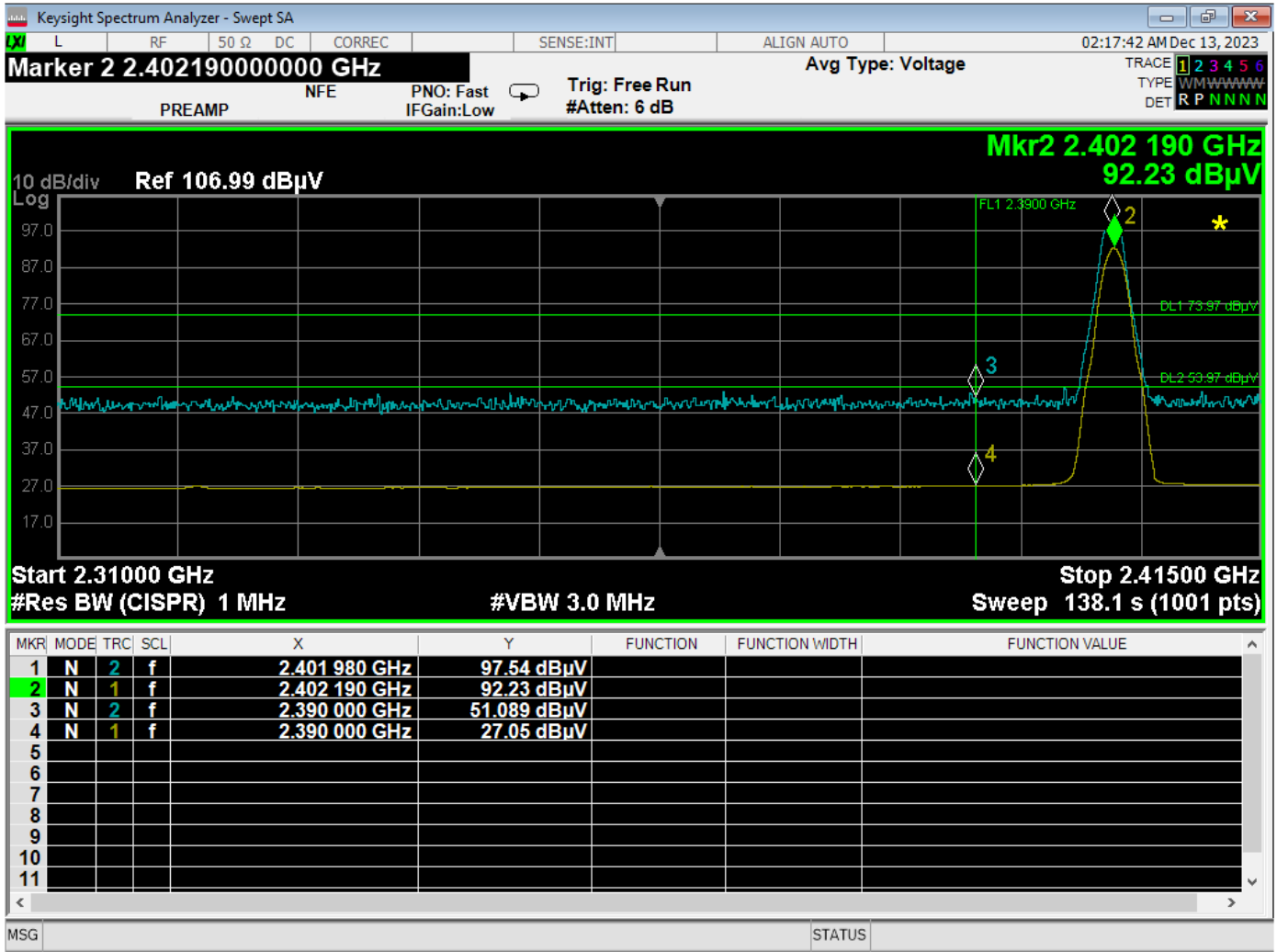
FCC 15.247

Universal Electronics, Inc.
Carrier Entry Level and ICP Thermostat 2024
Model: TSTATCCEWF-01

Date: 12/13/2023
Lab: D
Tested By: Kyle Fujimoto

Band Edges - BLE - Unit 4
Power Level: 0x23 - 2 Mbit

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2480.00	96.86	H	--	--	Peak	193.25	103.64	Fundamental - High Ch.
2480.00	91.20	H	--	--	Avg	193.25	103.64	Y-Axis - Worst Case
2483.50	48.51	H	73.97	-25.46	Peak	193.25	103.64	Band Edge
2483.50	31.86	H	53.97	-22.11	Avg	193.25	103.64	Y-Axis - Worst Case
2480.00	95.90	V	--	--	Peak	83.00	216.35	Fundamental - High Ch.
2480.00	90.63	V	--	--	Avg	83.00	216.35	Y-Axis - Worst Case
2483.50	46.37	V	73.97	-27.60	Peak	83.00	216.35	Band Edge
2483.50	30.66	V	53.97	-23.31	Avg	83.00	216.35	Y-Axis - Worst Case

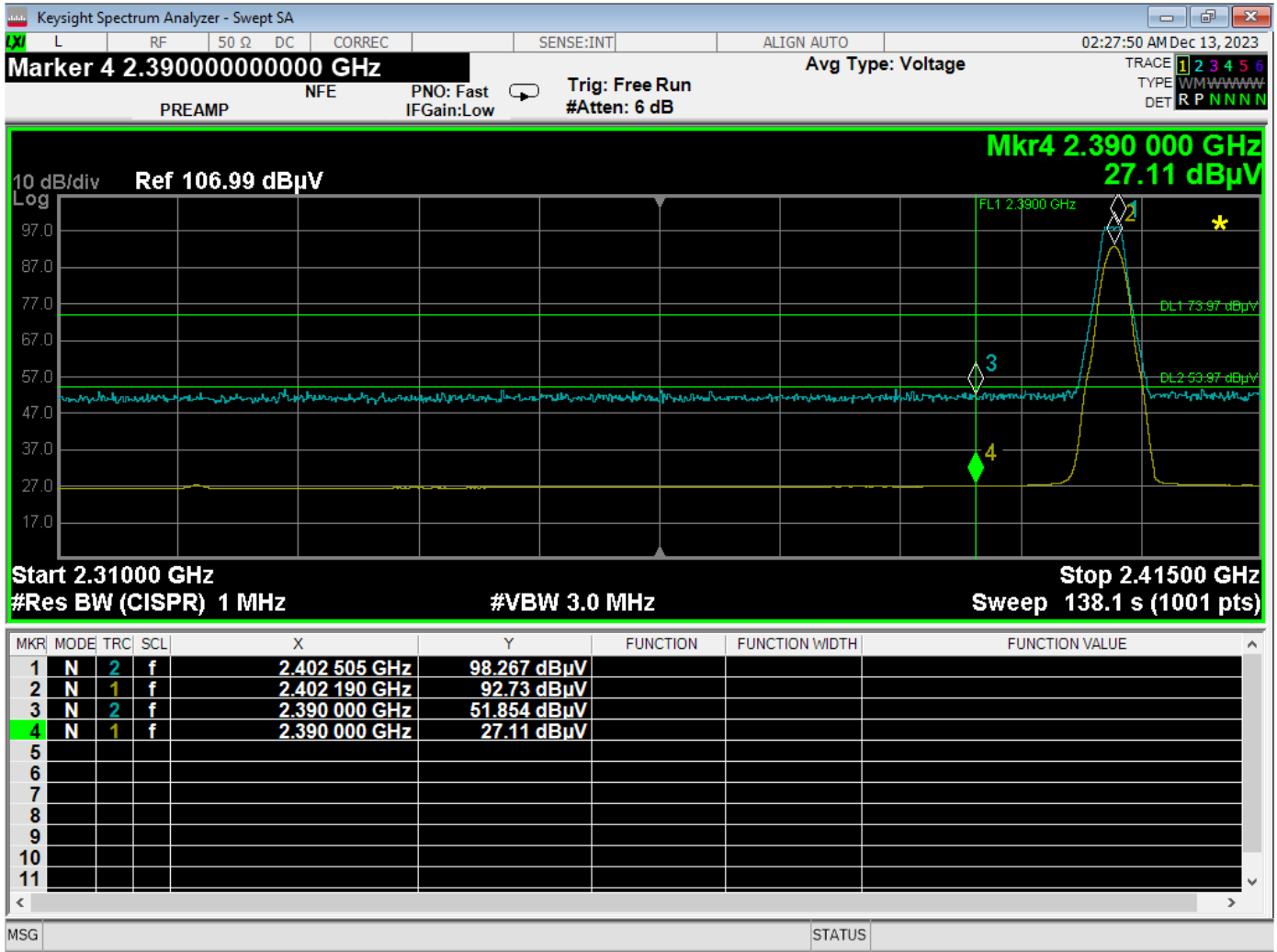


Band Edge – Low Channel – Horizontal Polarization – BLE Mode – 2 MBit

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Lake Forest Division
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Newbury Park Division
1050 Lawrence Drive
Newbury Park, CA 91320
(805) 480-4044

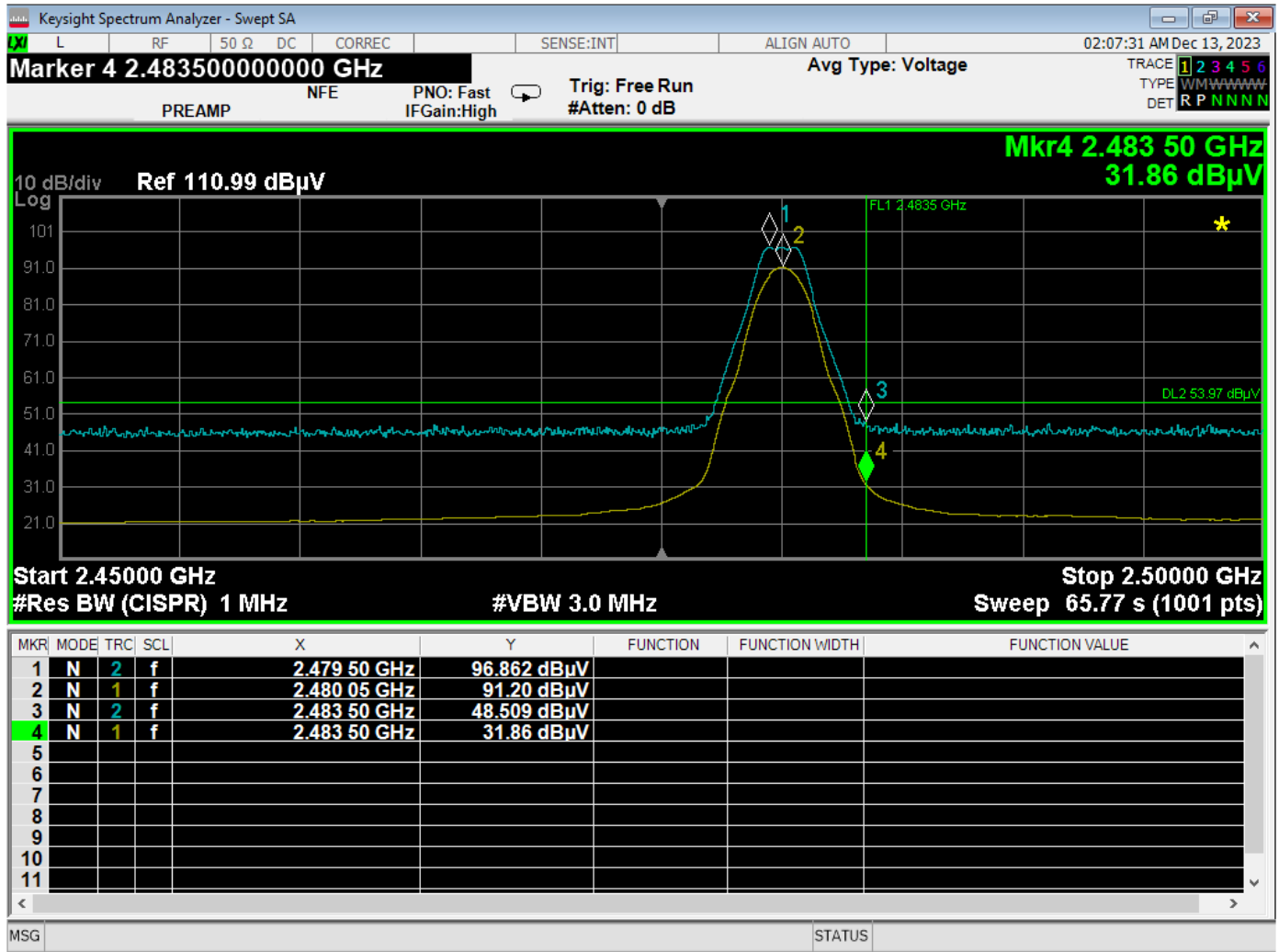


Band Edge – Low Channel – Vertical Polarization – BLE Mode – 2 MBit

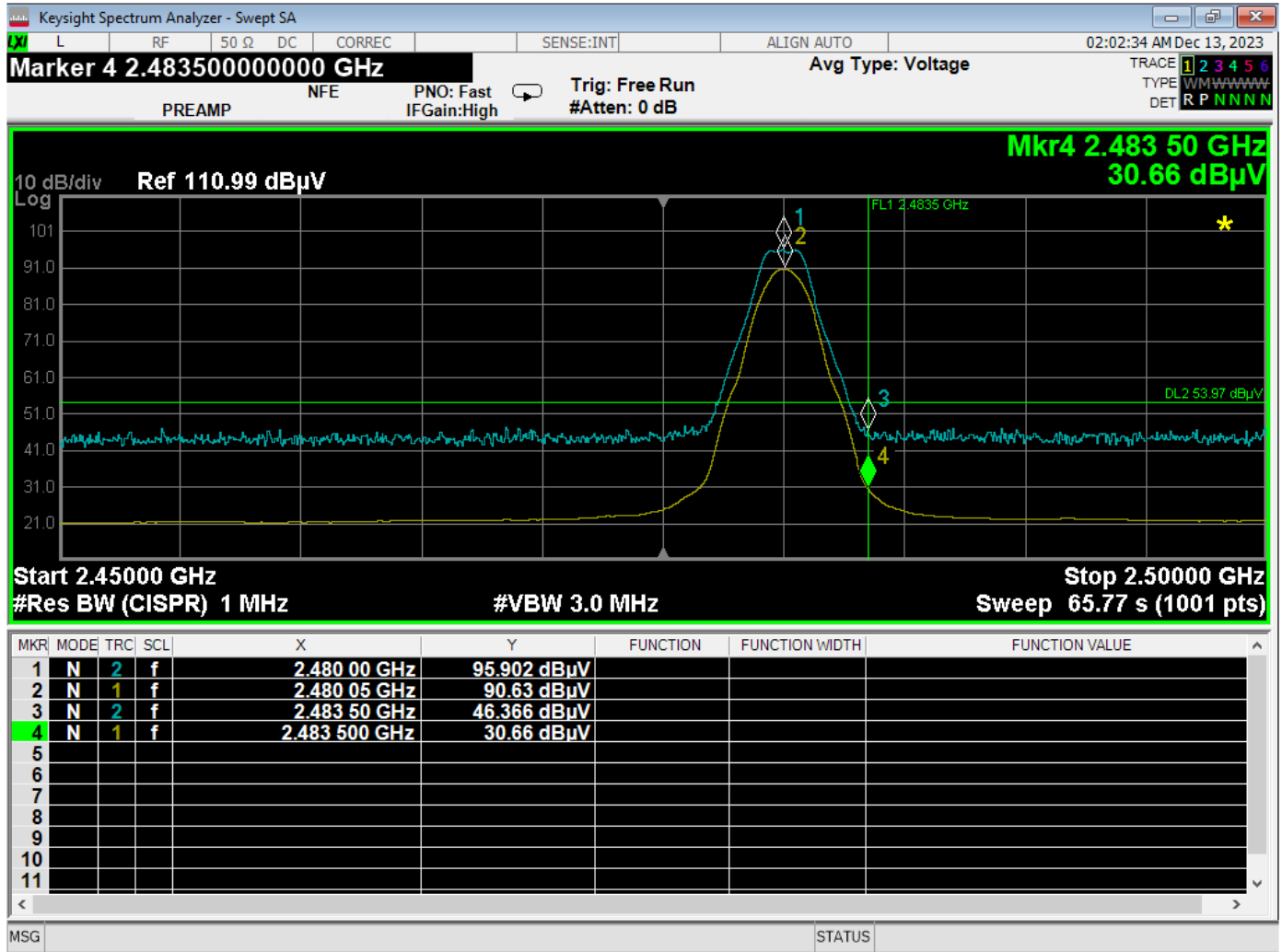
Brea Division
 114 Olinda Drive
 Brea, CA 92823
 (714) 579-0500

Lake Forest Division
 20621 Pascal Way
 Lake Forest, CA 92630
 (949) 587-0400

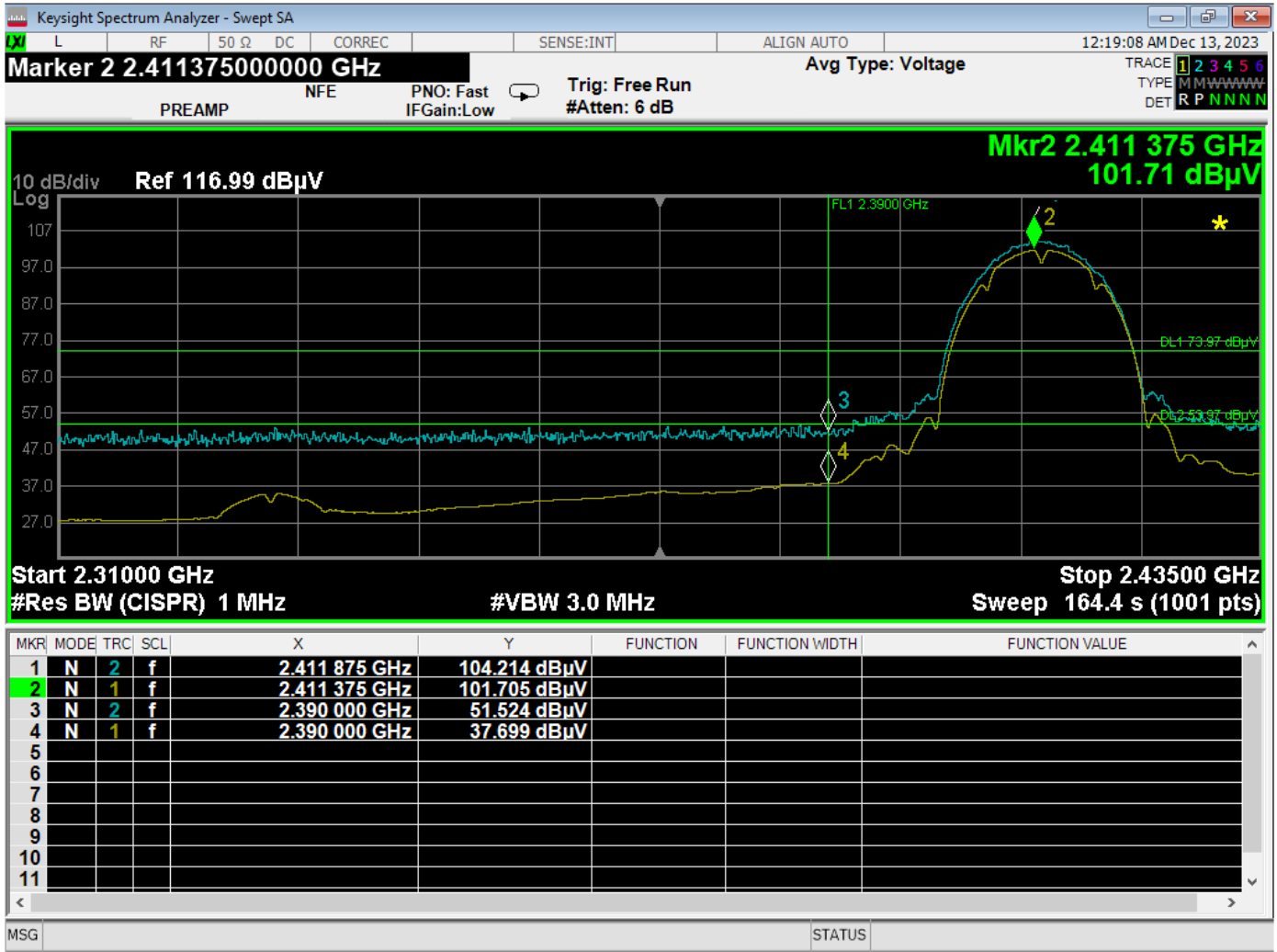
Newbury Park Division
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 Newbury Park, CA 91320
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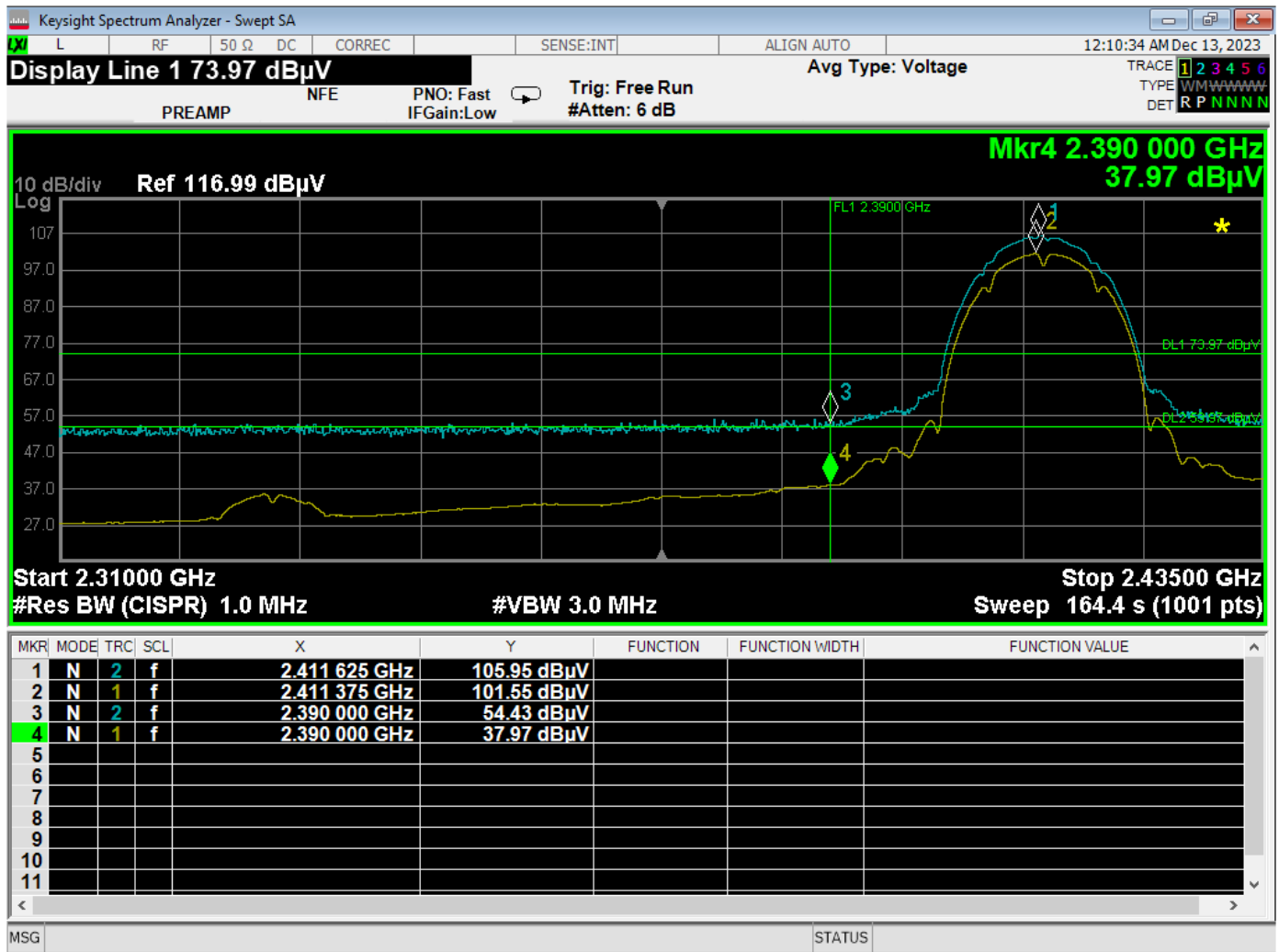
Band Edge – High Channel – Horizontal Polarization – BLE Mode – 2 MBit



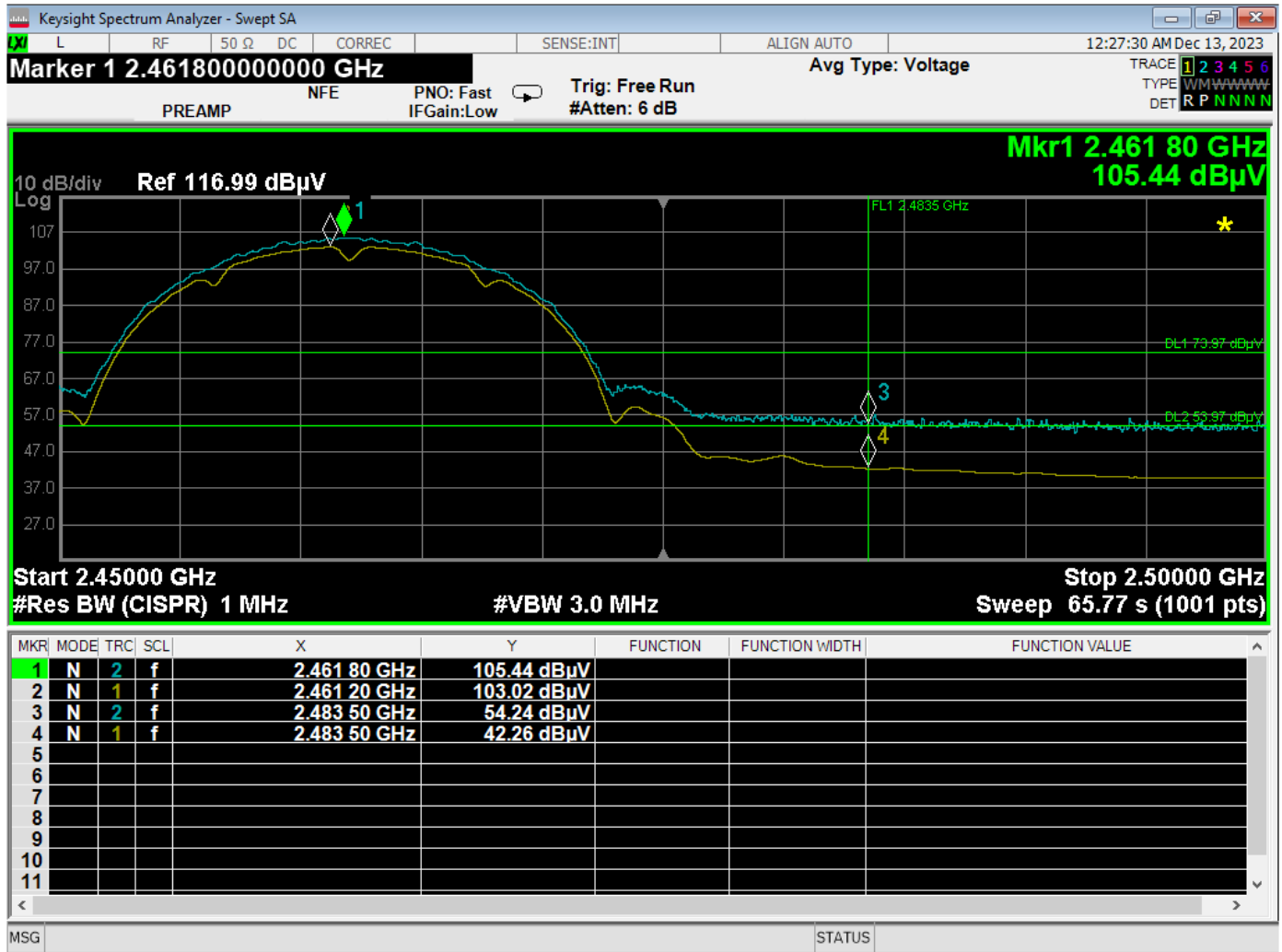
Band Edge – High Channel – Vertical Polarization – 802.11 b Mode – 1 Mbit



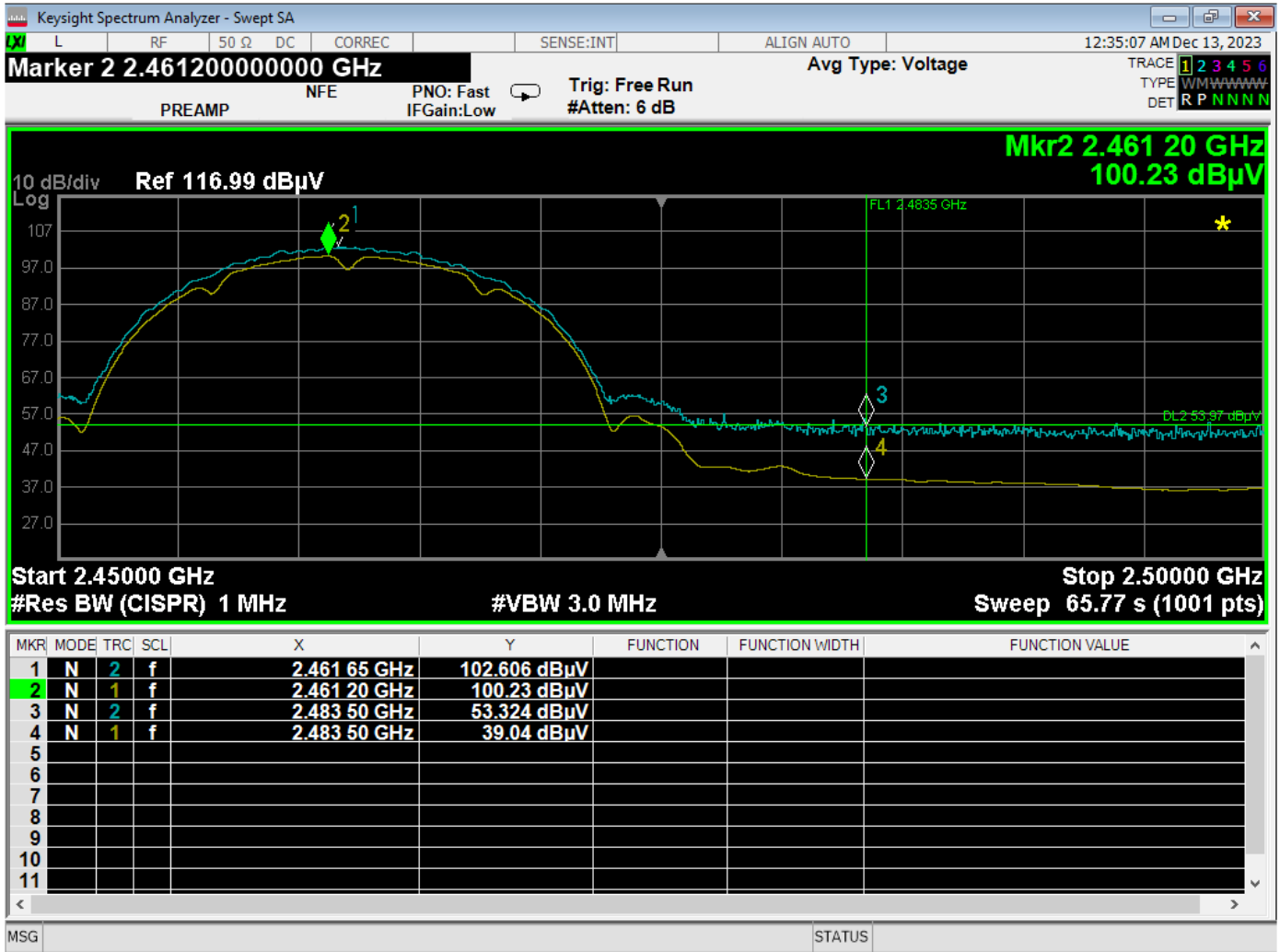
Band Edge – Low Channel – Horizontal Polarization – 802.11b Mode



Band Edge – Low Channel – Vertical Polarization – 802.11b Mode



Band Edge – High Channel – Horizontal Polarization – 802.11b Mode



Band Edge – High Channel – Vertical Polarization – 802.11b Mode

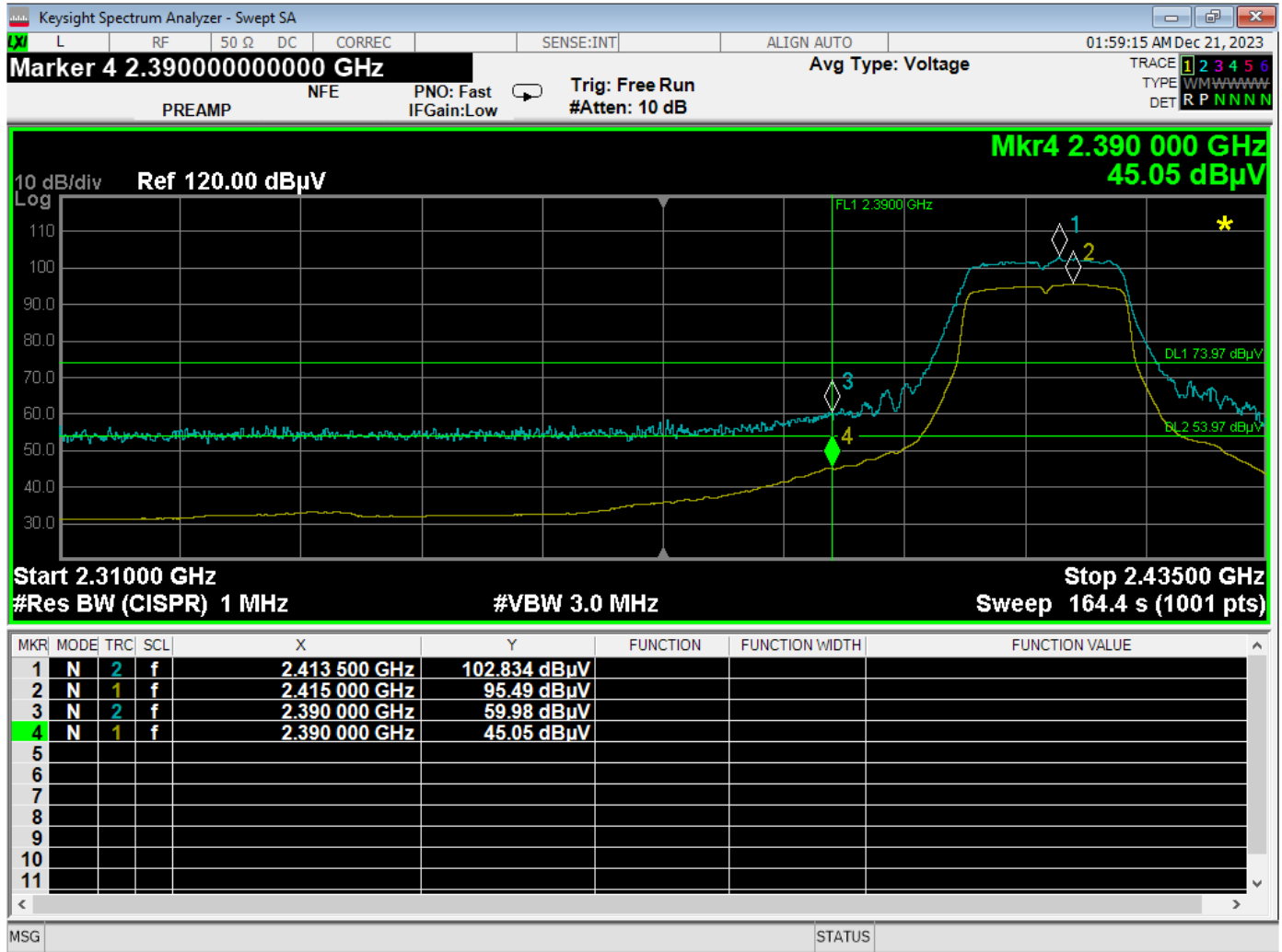
FCC 15.247

Universal Electronics, Inc.
 Carrier Entry Level and ICP Thermostat 2024
 Model: TSTATCCEWF-01

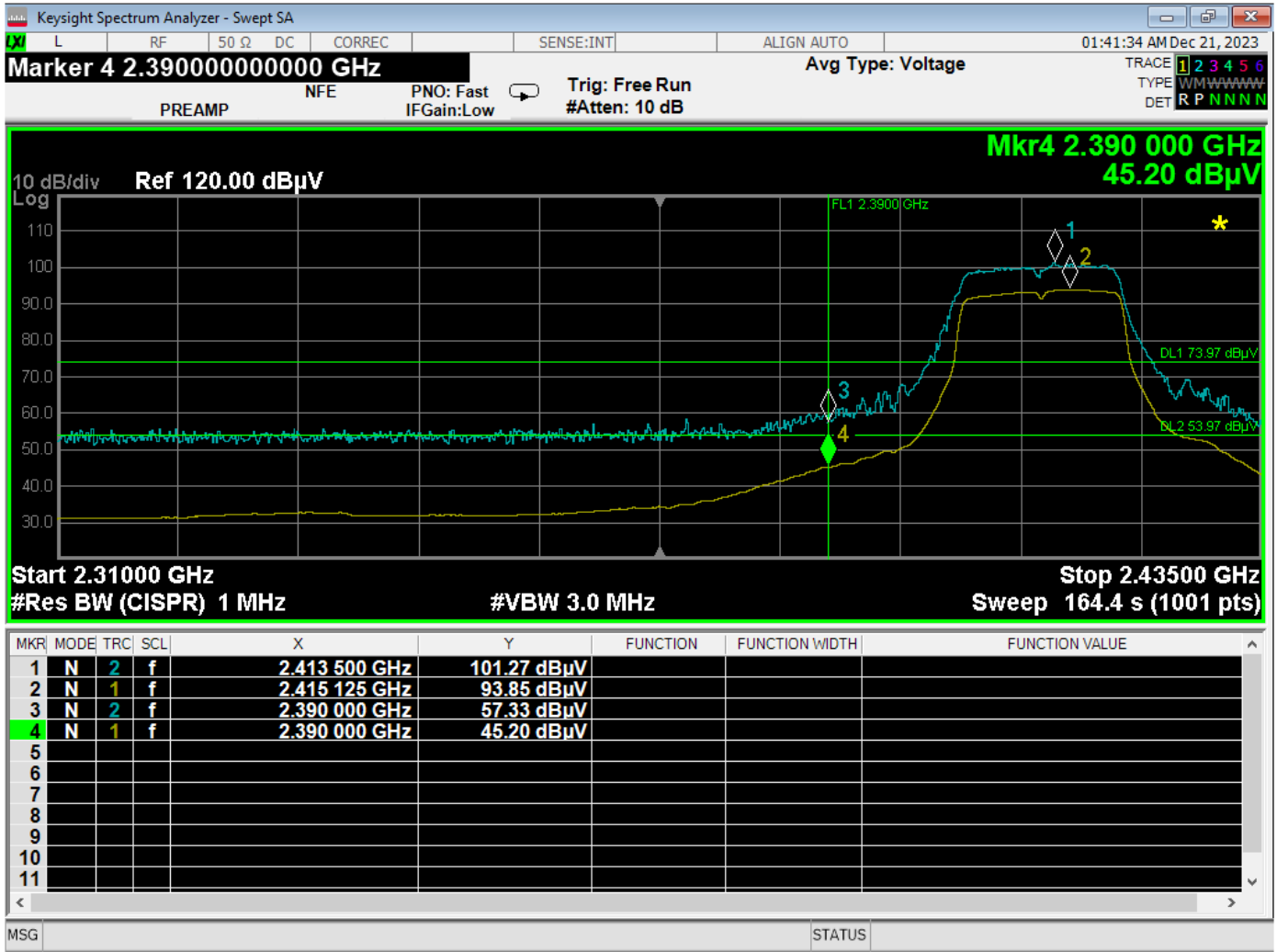
Date: 12/21/2023
 Lab: D
 Tested By: Kyle Fujimoto

Band Edges - 802.11g - Unit 4 - Power Level 92

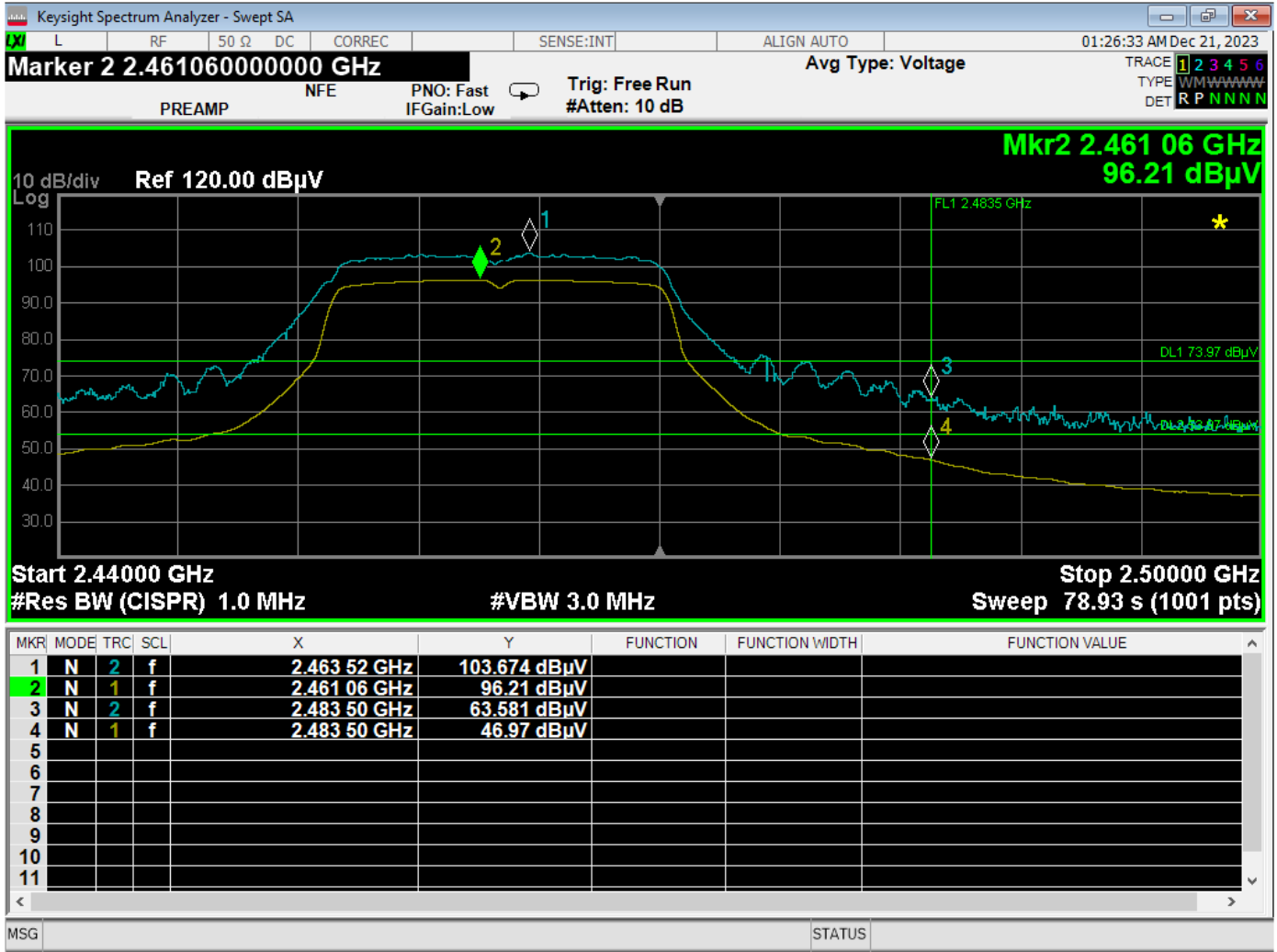
Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2412.00	102.83	H	--	--	Peak	204.25	135.56	Fundamental - Low Ch.
2412.00	95.49	H	--	--	Avg	204.25	135.56	Y-Axis - Worst Case
2390.00	59.98	H	73.97	-13.99	Peak	204.25	135.56	Band Edge
2390.00	45.06	H	53.97	-8.91	Avg	204.25	135.56	Y-Axis - Worst Case
2412.00	101.27	V	--	--	Peak	273.00	216.40	Fundamental - Low Ch.
2412.00	93.85	V	--	--	Avg	273.00	216.40	Y-Axis - Worst Case
2390.00	57.33	V	73.97	-16.64	Peak	273.00	216.40	Band Edge
2390.00	45.20	V	53.97	-8.77	Avg	273.00	216.40	Y-Axis - Worst Case



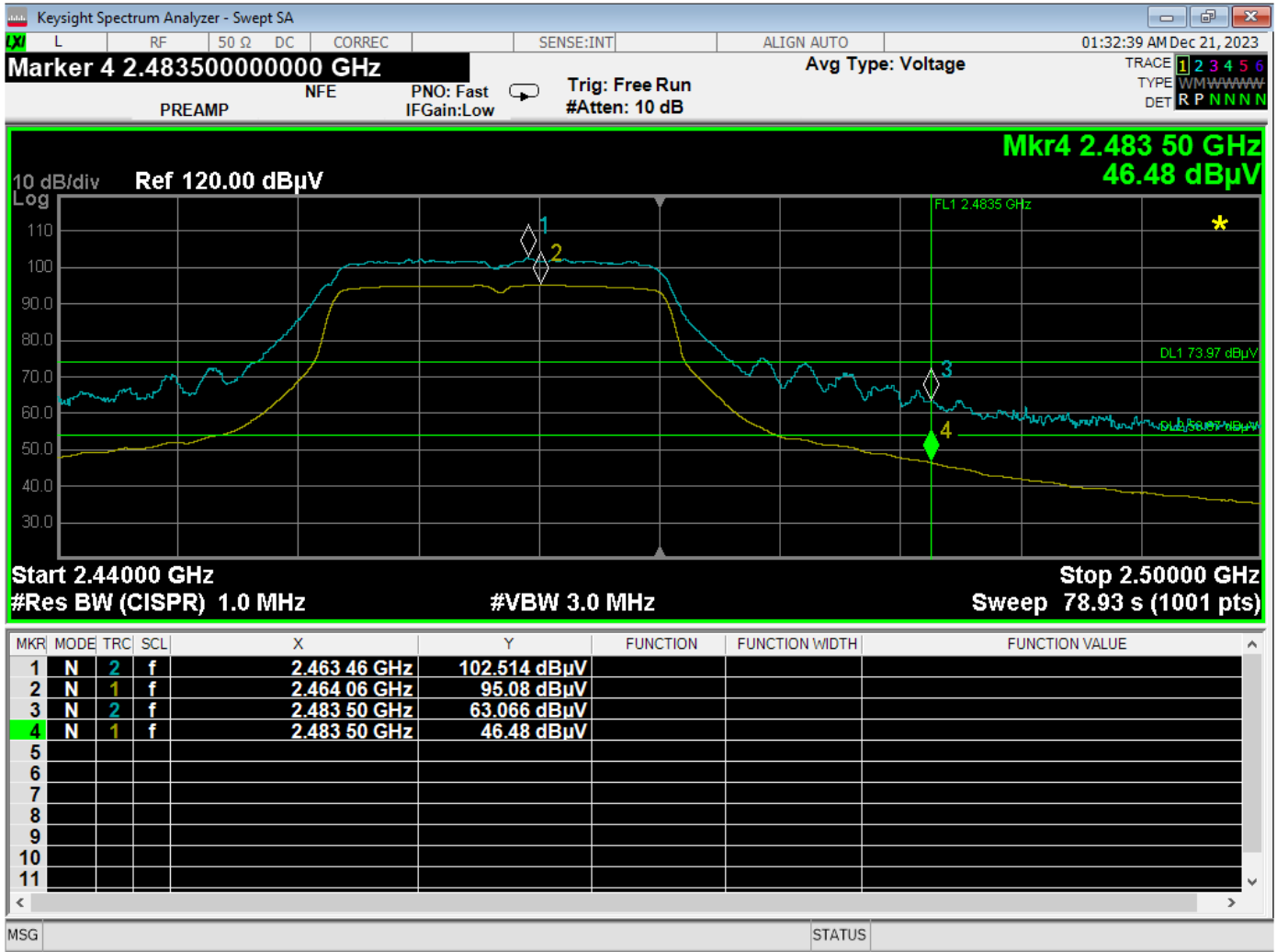
Band Edge – Low Channel – Horizontal Polarization – 802.11g Mode



Band Edge – Low Channel – Vertical Polarization – 802.11g Mode



Band Edge – High Channel – Horizontal Polarization – 802.11g Mode



Band Edge – High Channel – Vertical Polarization – 802.11g Mode



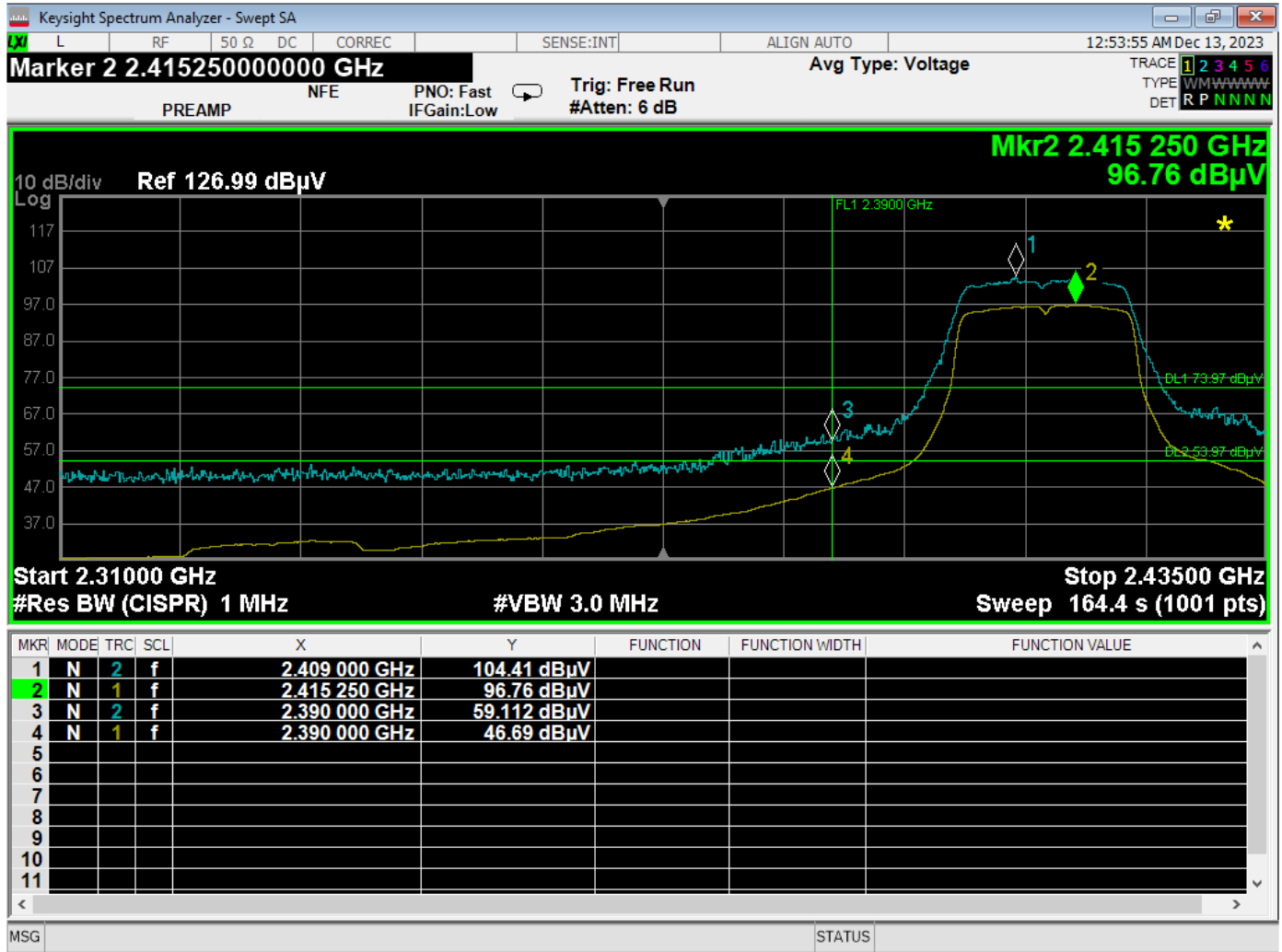
FCC 15.247

Universal Electronics, Inc.
Carrier Entry Level and ICP Thermostat 2024
Model: TSTATCCEWF-01

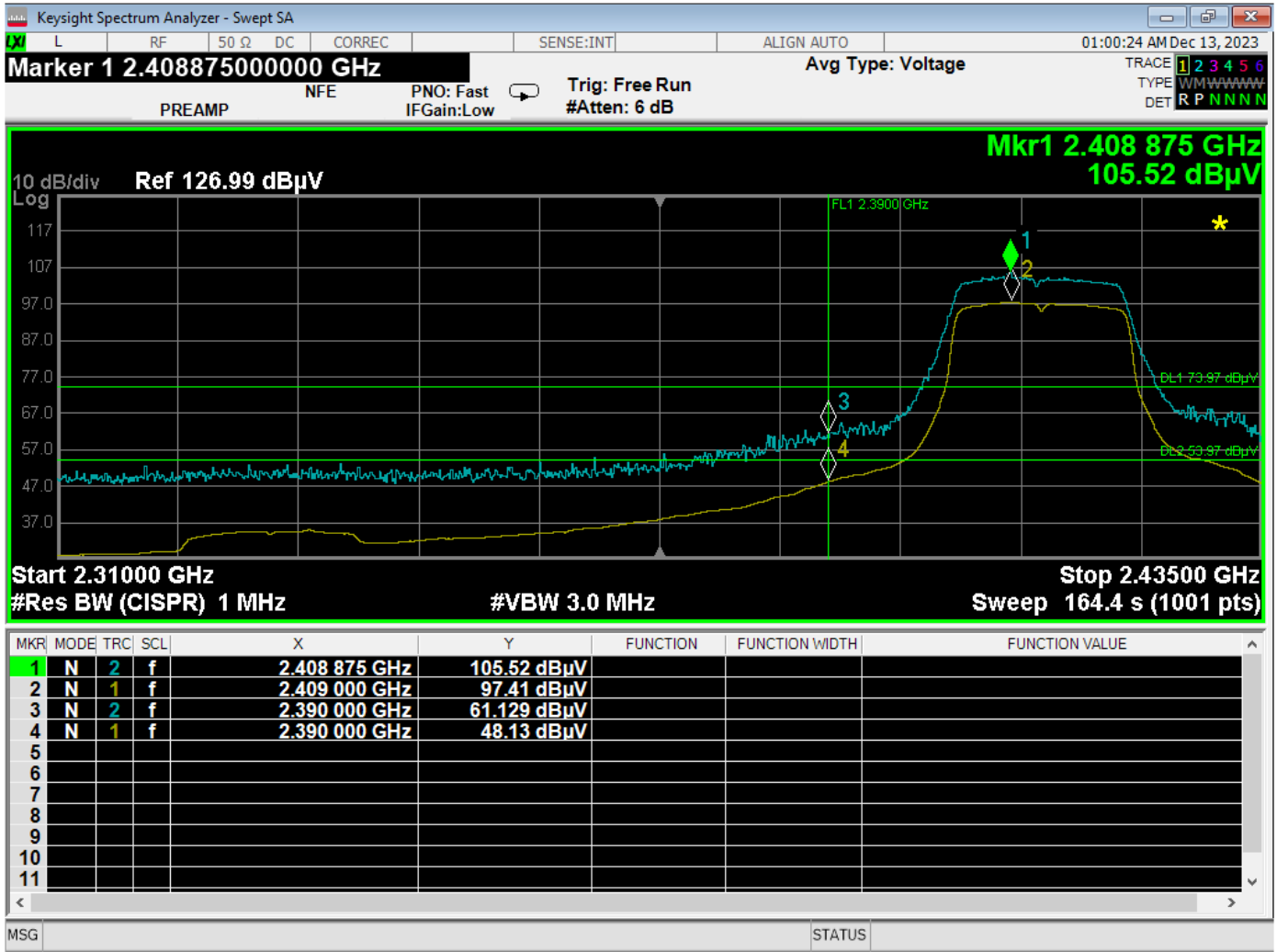
Date: 12/13/2023
Lab: D
Tested By: Kyle Fujimoto

Band Edges - 802.11n - 20 MHz - Unit 4
Power Level 92

Table with 9 columns: Freq. (MHz), Level (dBuV/m), Pol (v/h), Limit, Margin, Peak / QP / Avg, Table Angle (deg), Ant. Height (cm), Comments. Rows include data for frequencies 2412.00 and 2390.00 MHz, detailing peak and average levels, margins, and antenna heights.



Band Edge – Low Channel – Horizontal Polarization – 802.11n Mode – 20 MHz

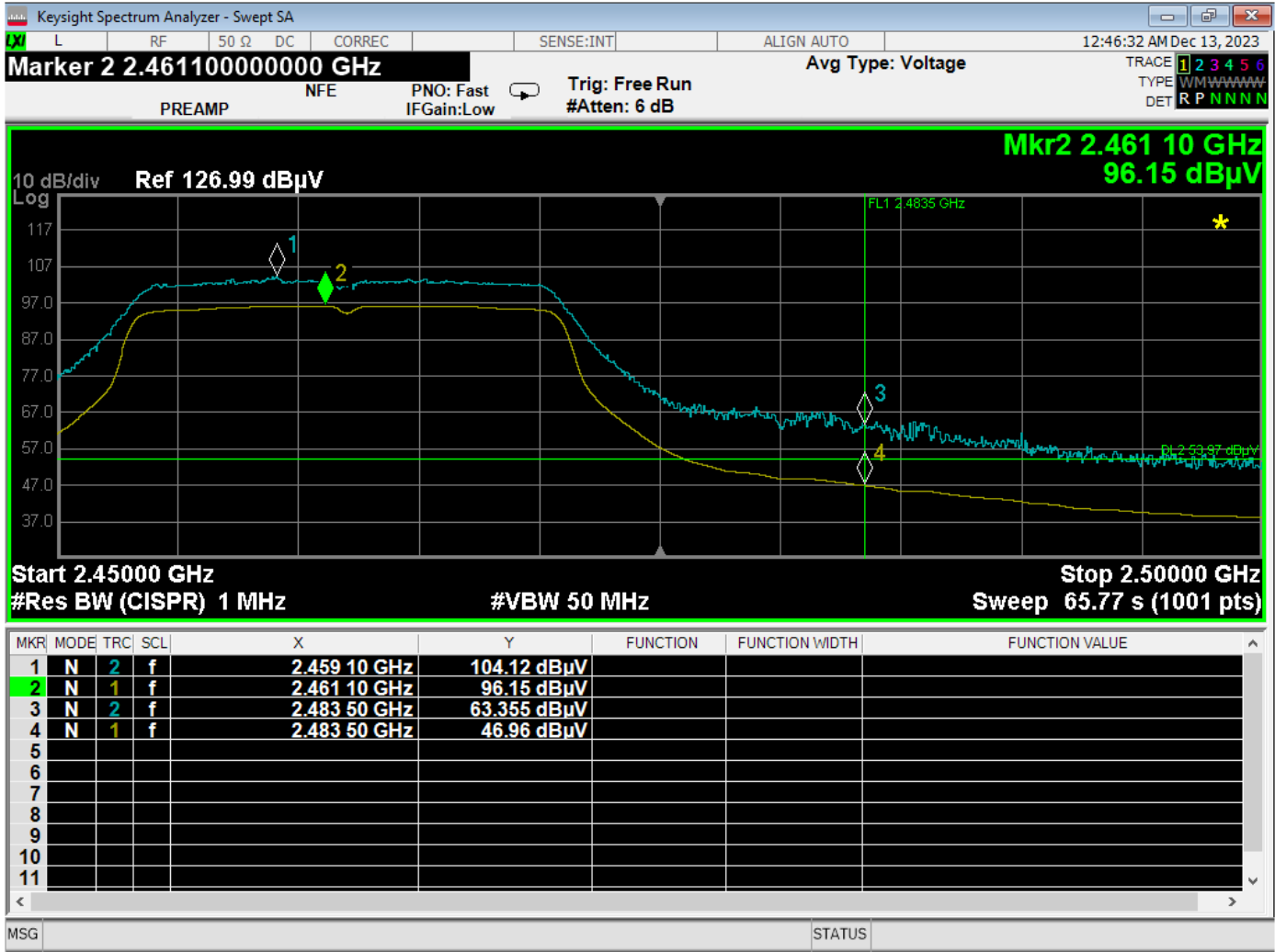


Band Edge – Low Channel – Vertical Polarization – 802.11n Mode – 20 MHz

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1050 Lawrence Drive
Newbury Park, CA 91320
(805) 480-4044

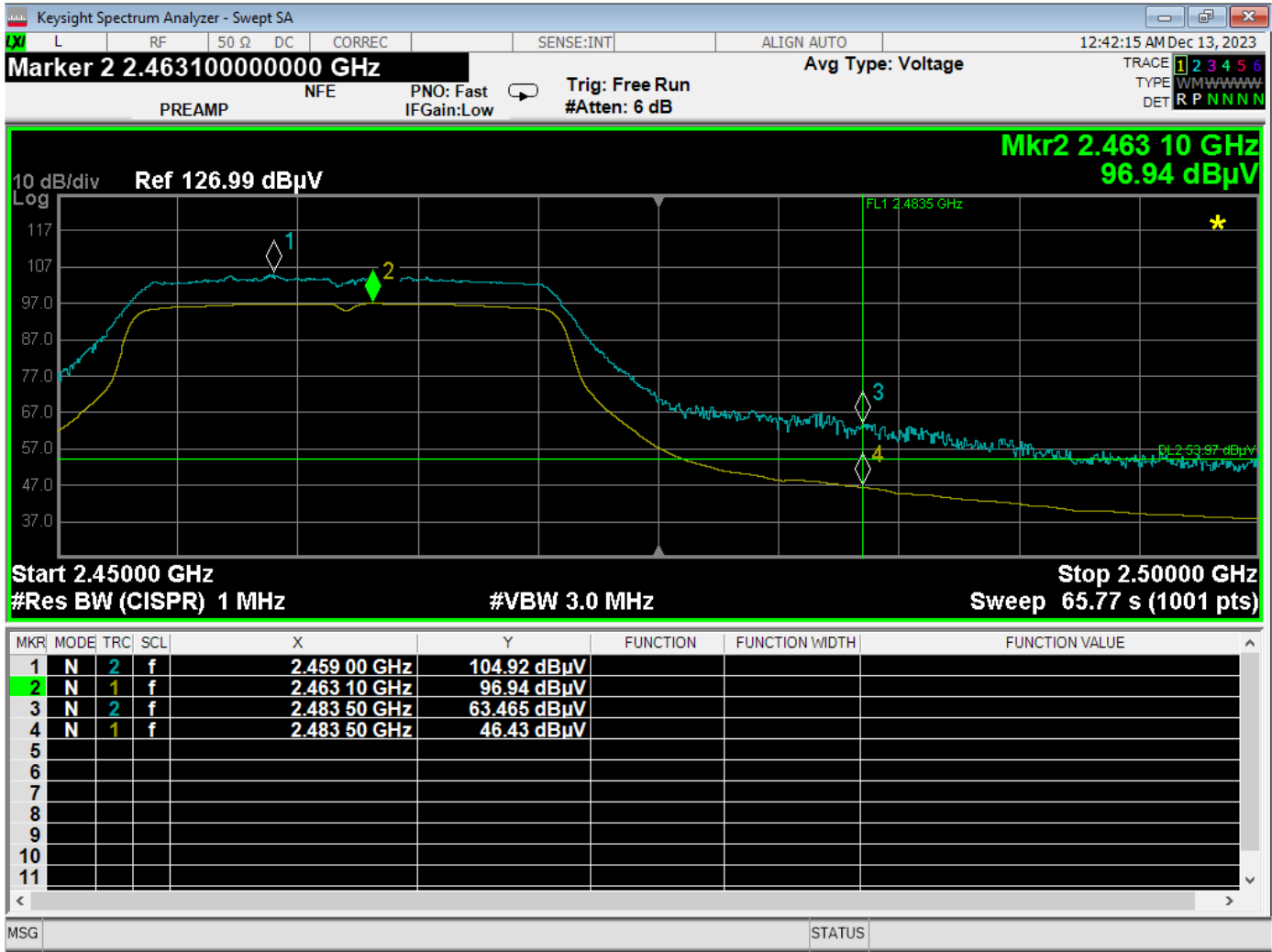


Band Edge – High Channel – Horizontal Polarization – 802.11n Mode – 20 MHz

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 Newbury Park, CA 91320
 (805) 480-4044

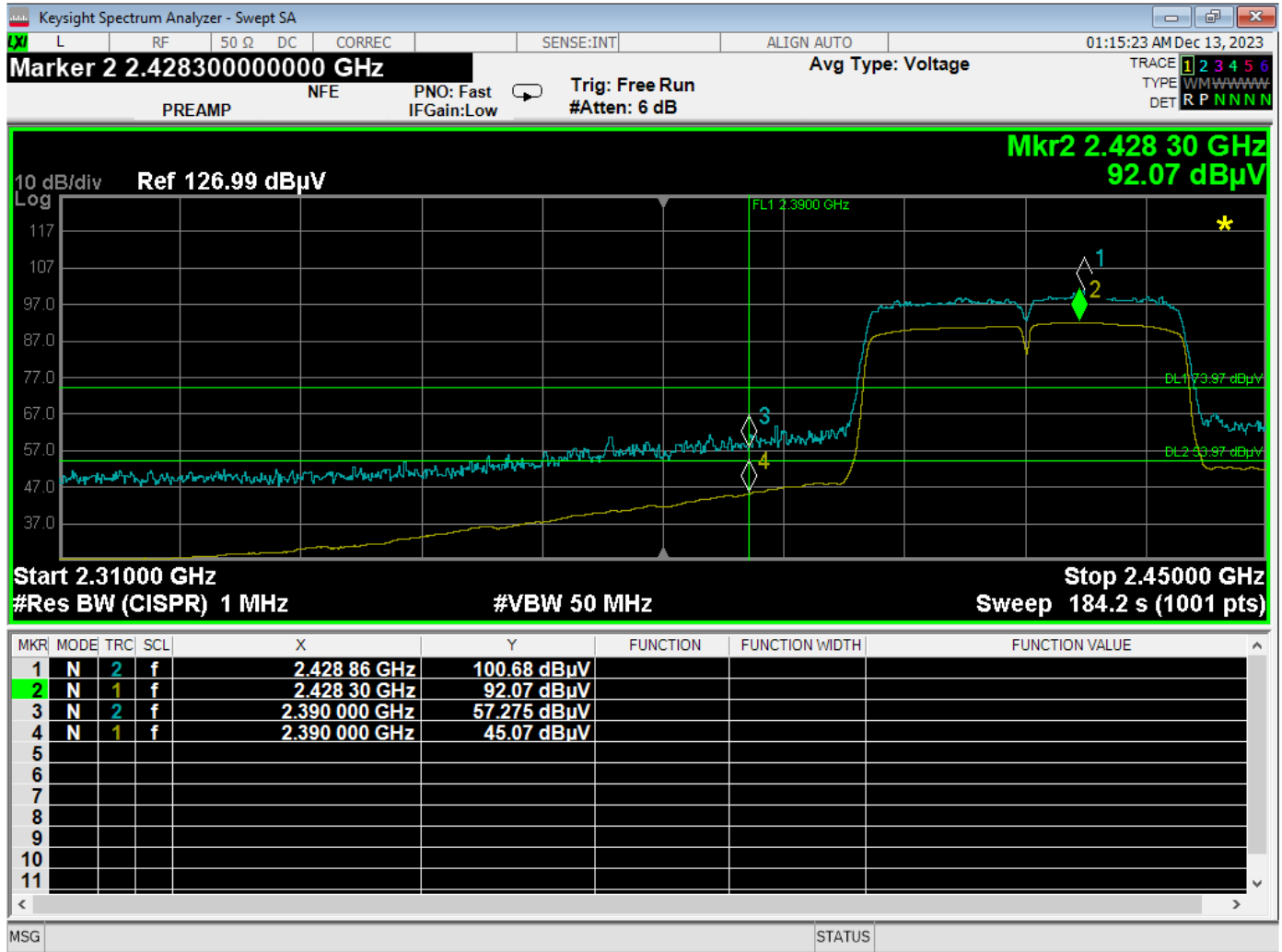


Band Edge – High Channel – Vertical Polarization – 802.11n Mode – 20 MHz

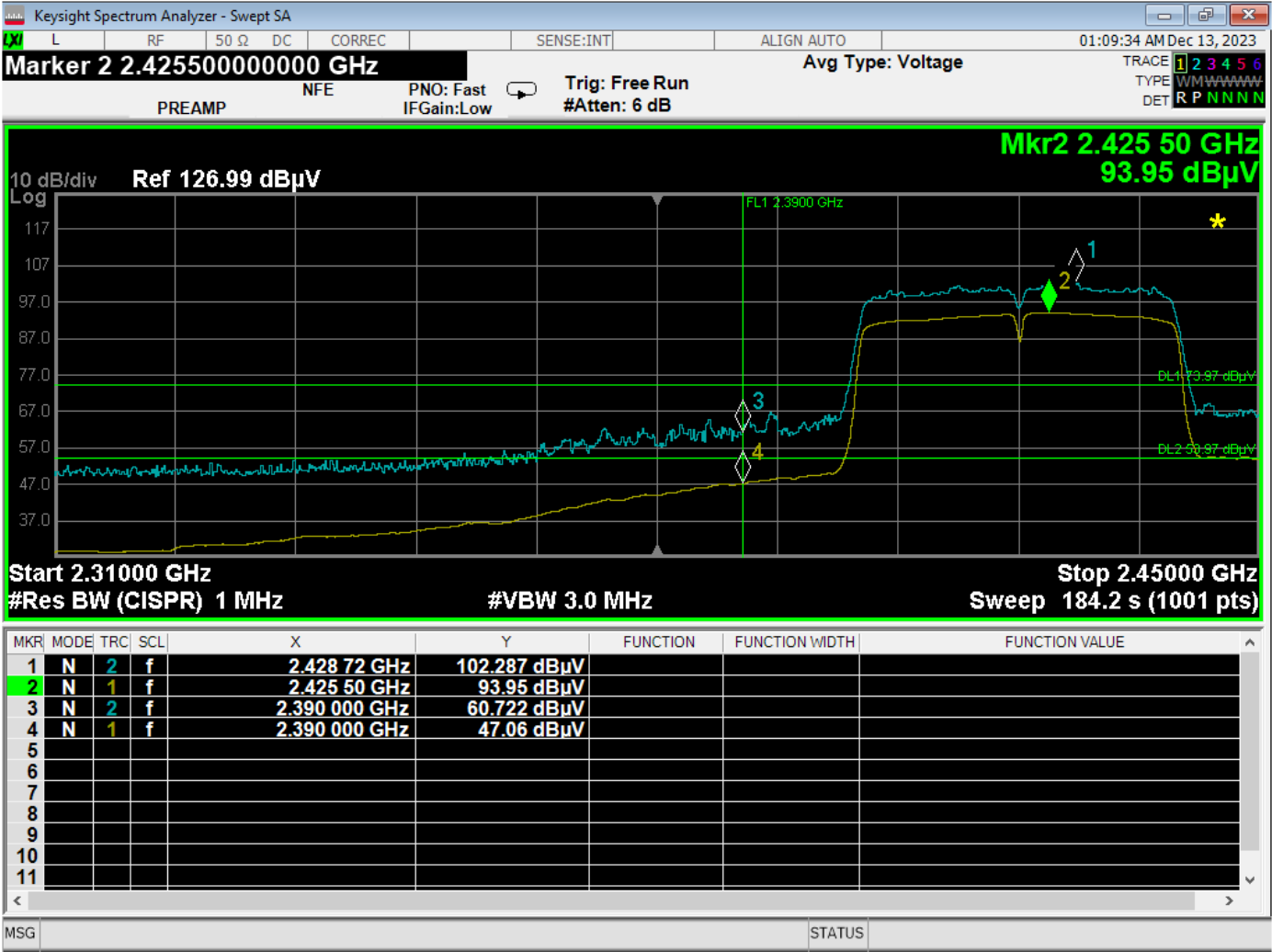
Brea Division
 114 Olinda Drive
 Brea, CA 92823
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Lake Forest Division
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 Lake Forest, CA 92630
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Band Edge – Low Channel – Horizontal Polarization – 802.11n Mode – 40 MHz

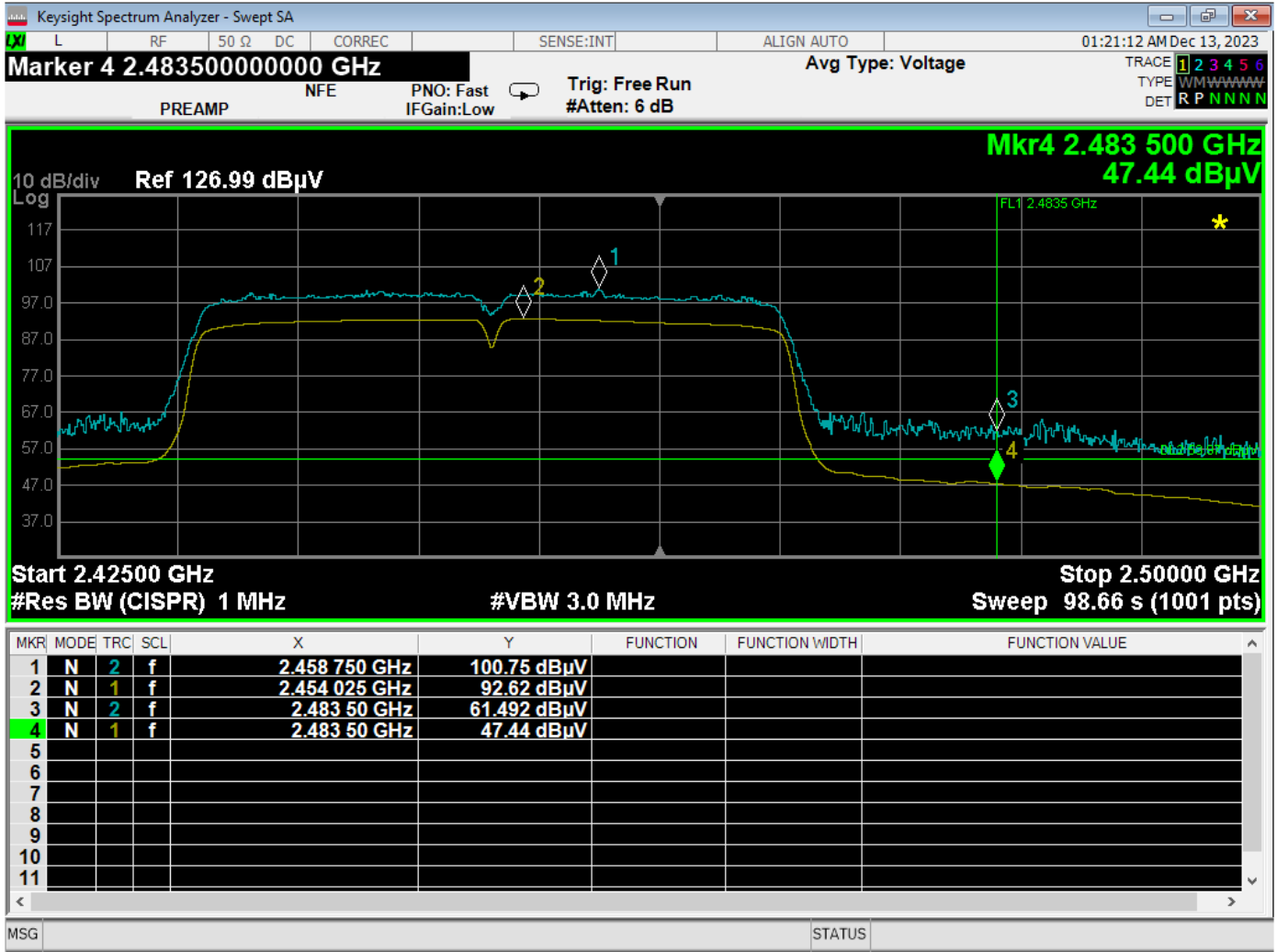


Band Edge – Low Channel – Vertical Polarization – 802.11n Mode – 40 MHz

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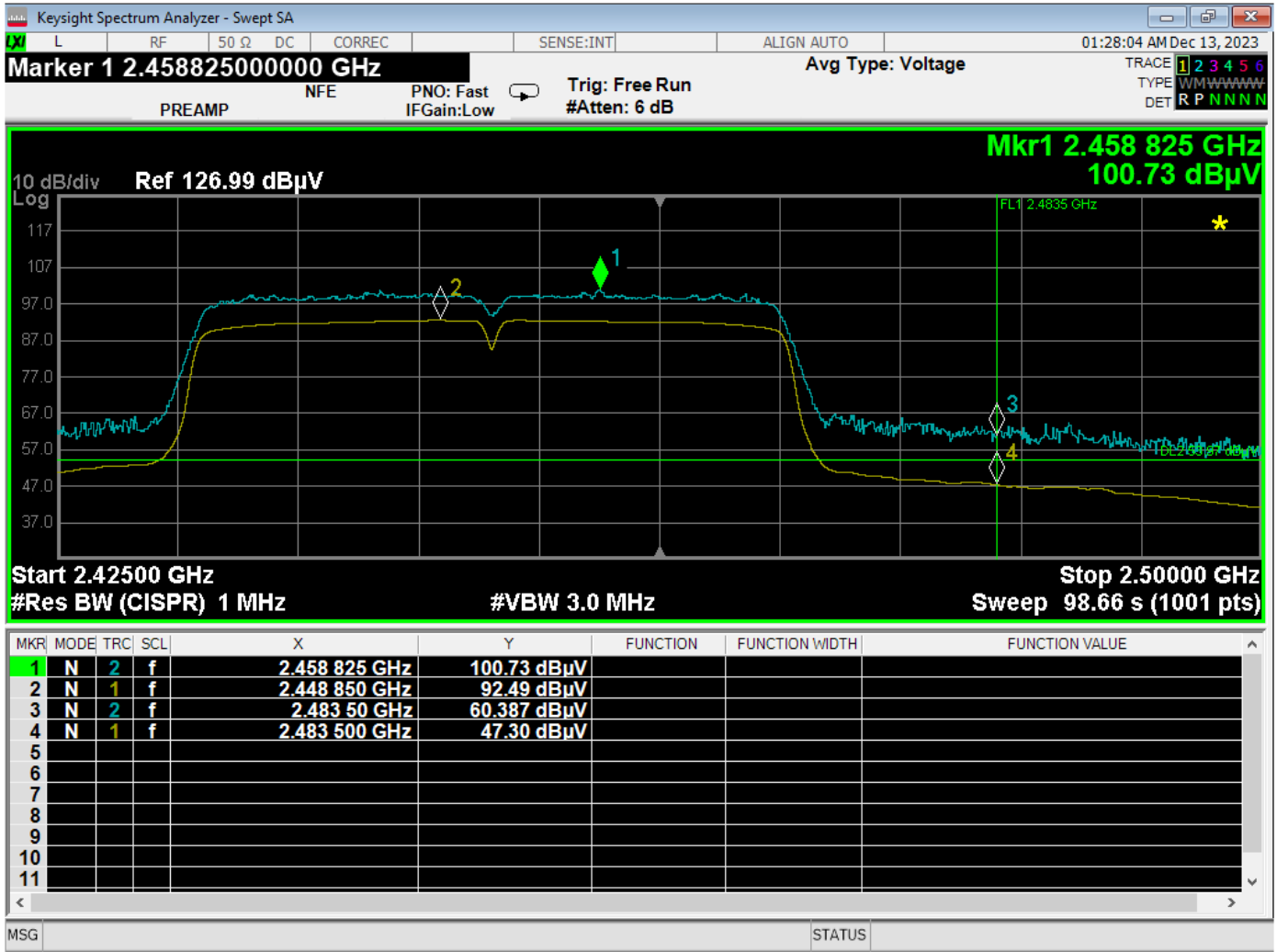


Band Edge – High Channel – Horizontal Polarization – 802.11n Mode – 40 MHz

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1050 Lawrence Drive
Newbury Park, CA 91320
(805) 480-4044

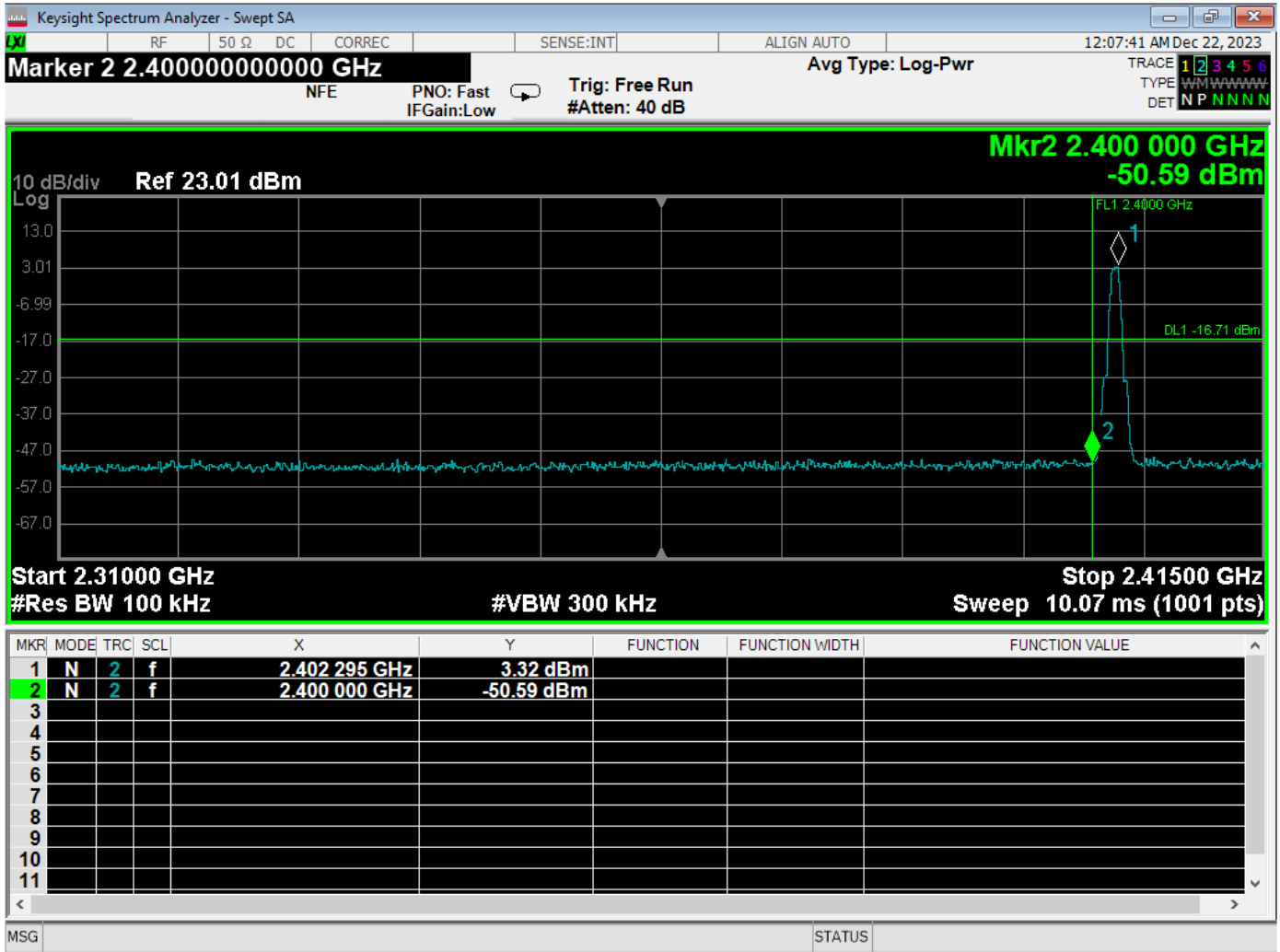


Band Edge – High Channel – Vertical Polarization – 802.11n Mode – 40 MHz

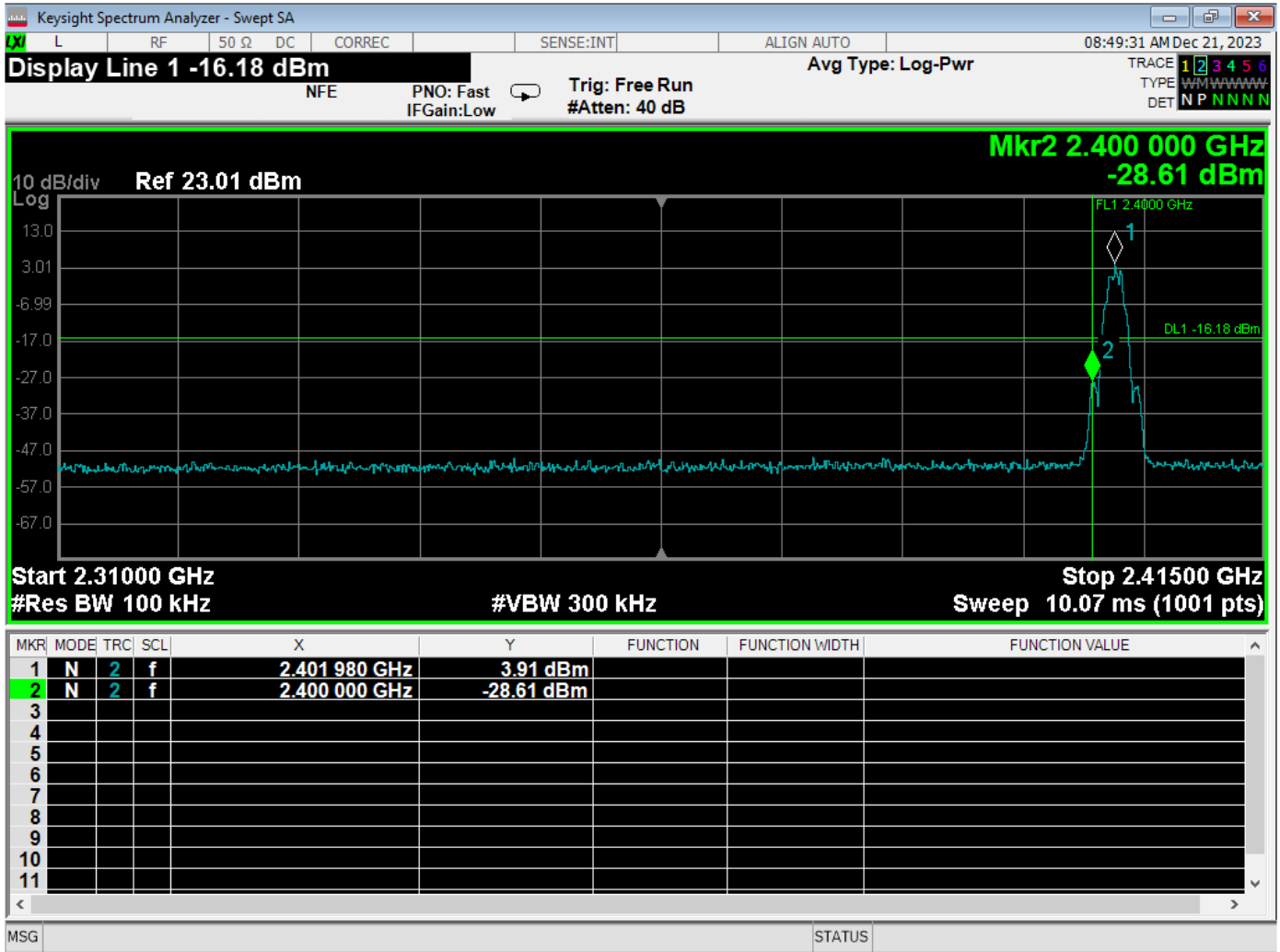
Brea Division
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Brea, CA 92823
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Band Edge – Conducted Measurement at 2400 MHz – BLE Mode – 1 Mbit

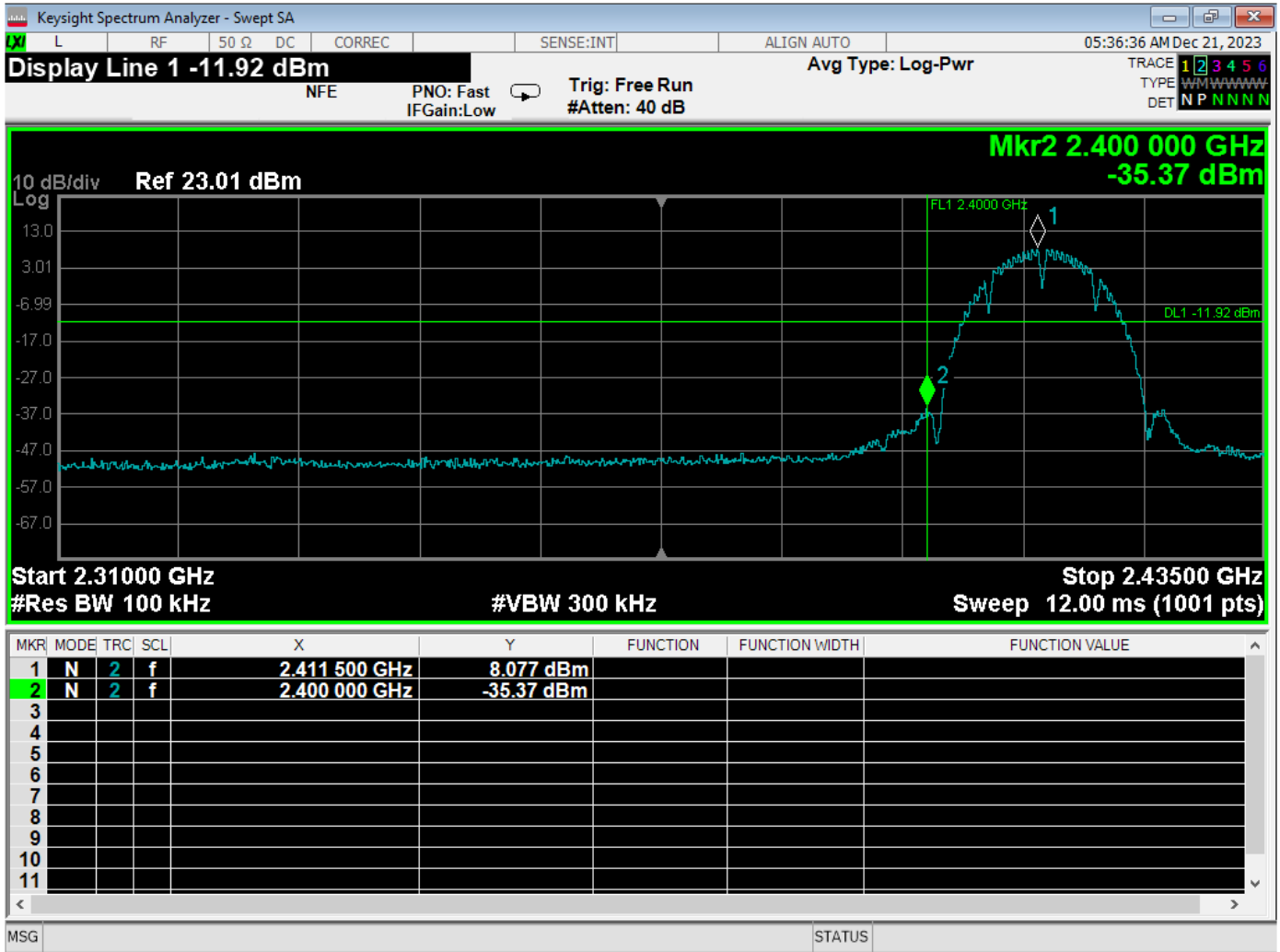


Band Edge – Conducted Measurement at 2400 MHz – BLE Mode – 2 Mbit

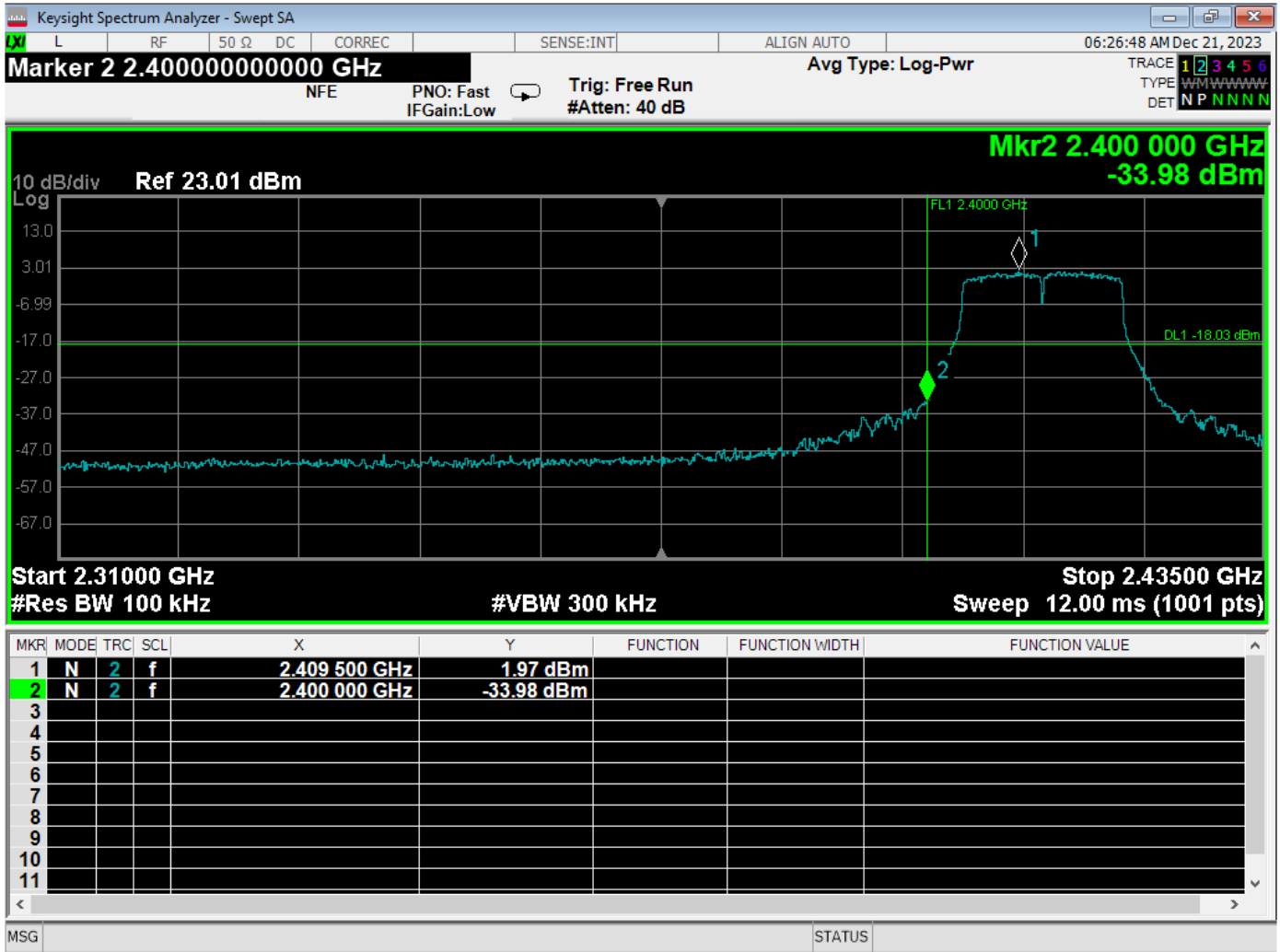
Brea Division
 114 Olinda Drive
 Brea, CA 92823
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Lake Forest Division
 20621 Pascal Way
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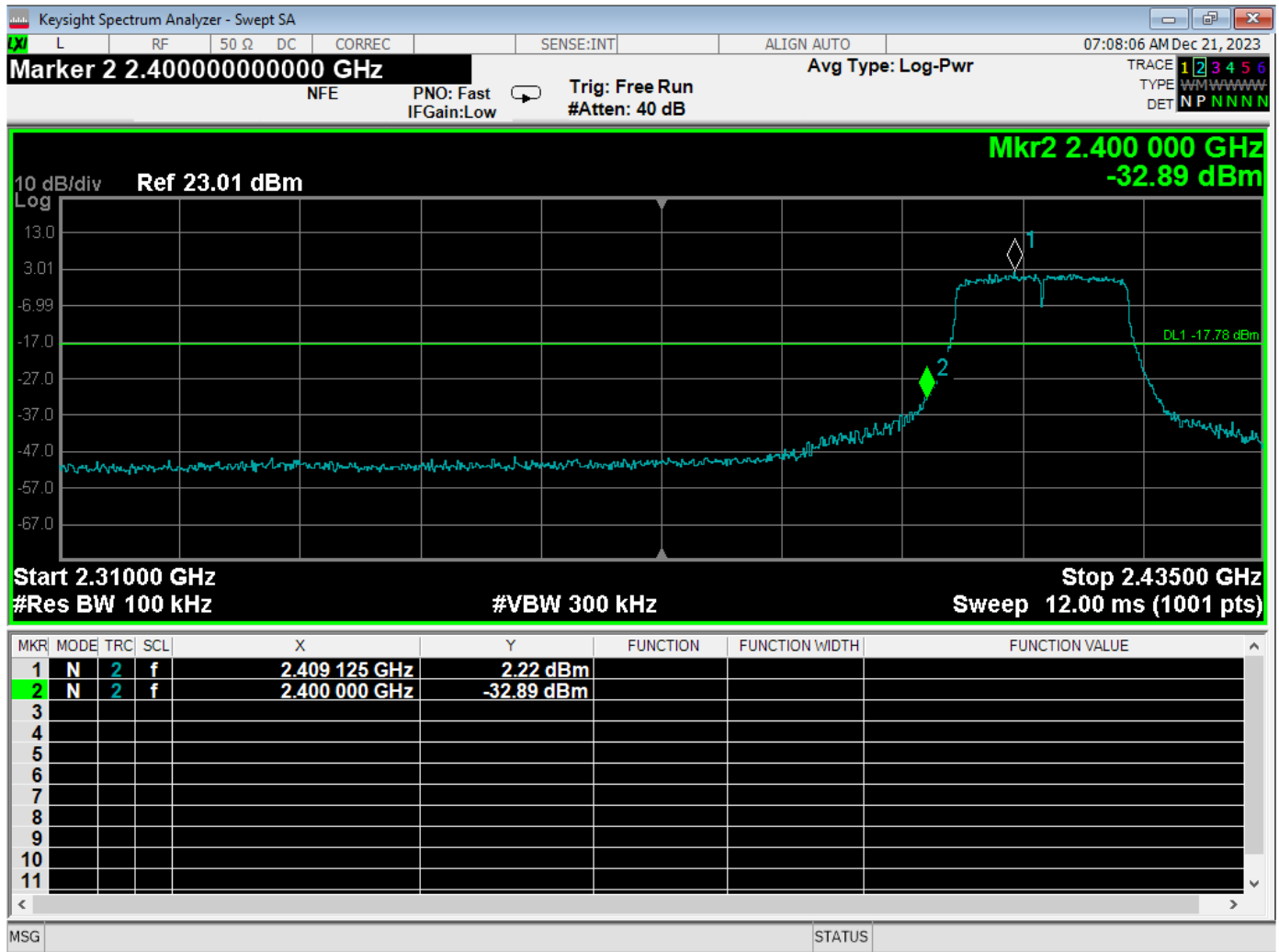
Newbury Park Division
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Band Edge – Conducted Measurement at 2400 MHz – 802.11b Mode



Band Edge – Conducted Measurement at 2400 MHz – 802.11g Mode



Band Edge – Conducted Measurement at 2400 MHz – 802.11n Mode – 20 MHz



Band Edge – Conducted Measurement at 2400 MHz – 802.11n Mode – 40 MHz