



APPENDIX E

DATA SHEETS

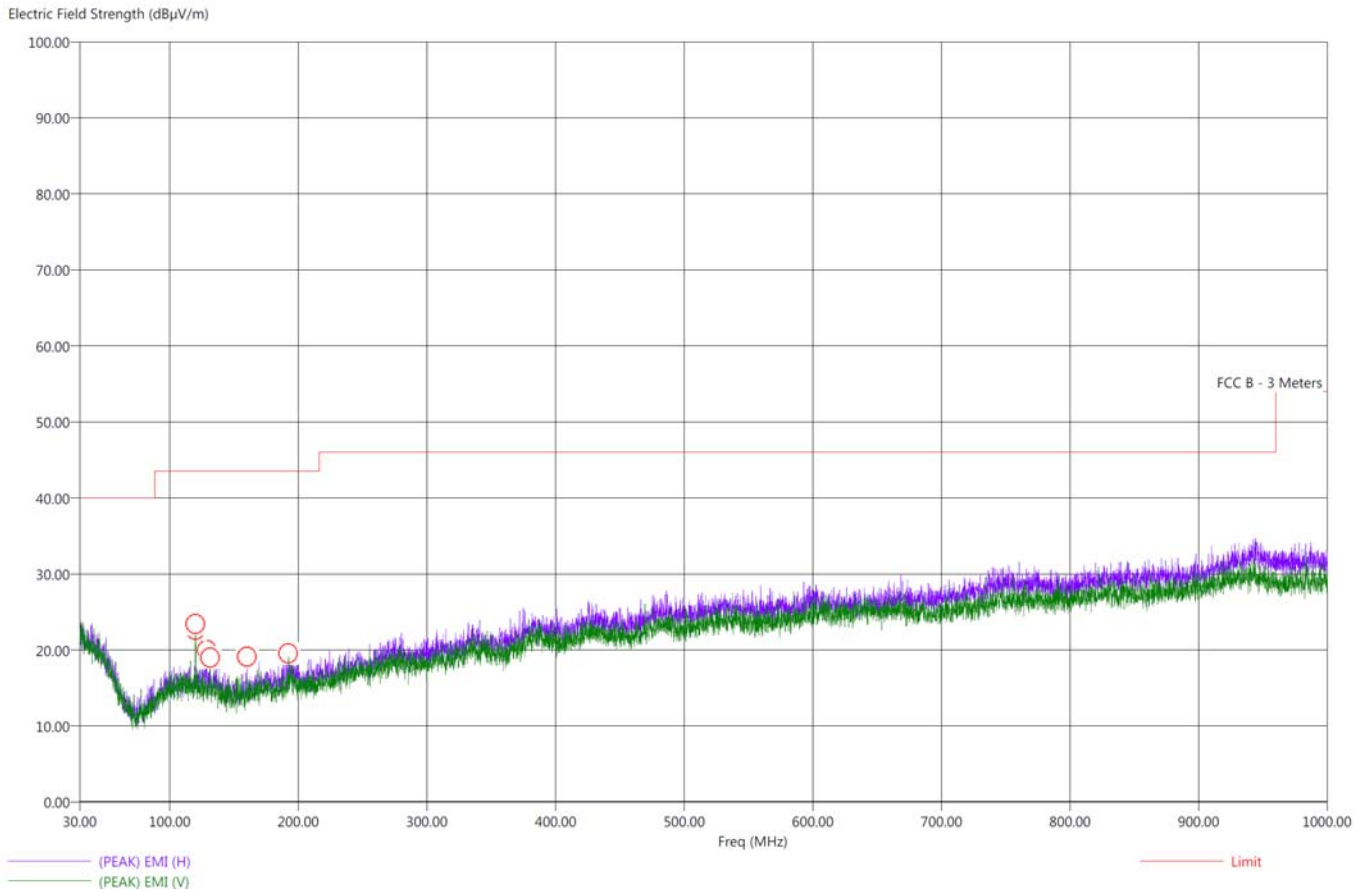


***RADIATED EMISSIONS
DATA SHEETS***

Title: Pre-Scan - FCC Class B and FCC Subpart C, section 15.209
File: 1 - Pre-Scan - X-Axis - FCC Class B - BLE - 30 MHz to 1000 MHz.set
Operator: Kyle Fujimoto
EUT Type: EOS Value Remote Numberless
EUT Condition: The EUT is continuously transmitting BLE
Comments: Company: Universal Electronics, Inc.
Model: PR4-UQ
S/N: Unit 5
X-Axis (Worst Case) - 2 MBit (Worst Case)

4/25/2024 1:51:28 PM
Sequence: Preliminary Scan

FCC Class B





Title: Radiated Final - FCC Class B and FCC Subpart C, section 15.209
 File: 1 - Final Scan - X-Axis - FCC Class B - BLE - 30 MHz to 1000 MHz.set
 Operator: Kyle Fujimoto
 EUT Type: EOS Value Remote Numberless
 EUT Condition: The EUT is continuously transmitting BLE
 Company: Universal Electronics, Inc.
 Model: PR4-UQ
 S/N: Unit 5
 X-Axis - 2 MBit

4/25/2024 2:05:43 PM
 Sequence: Final Measurements

FCC Class B

Freq (MHz)	Pol	(PEAK) EMI (dBµV/m)	(QP) EMI (dBµV/m)	(PEAK) Marqin (dB)	(QP) Marqin (dB)	Limit (dBµV/m)	Transducer (dB)	Cable (dB)	Ttbl Aql (deg)	Twr Ht (cm)
120.00	V	20.83	16.79	-22.67	-26.71	43.50	15.90	0.70	63.50	398.40
131.70	H	21.04	13.72	-22.46	-29.78	43.50	15.61	0.71	277.25	143.29
172.50	H	19.21	13.65	-24.29	-29.85	43.50	16.12	0.83	220.75	222.94
174.10	H	18.50	13.65	-25.00	-29.85	43.50	16.00	0.83	250.50	174.88
192.90	H	19.54	14.78	-23.96	-28.72	43.50	17.00	0.88	344.50	287.17
193.80	H	19.89	14.75	-23.61	-28.75	43.50	16.99	0.88	15.50	271.11



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



FUNDAMENTAL AND HARMONICS

DATA SHEETS



FCC 15.247

Universal Electronics, Inc.
EOS Value Remote Numberless
Model: PR4

Date: 03/01/2024
Lab: D
Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 1 Mbit
Low Channel - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	42.21	V	73.97	-31.76	Peak	115.25	191.25	
4804.00	22.21	V	53.97	-31.76	Avg	115.25	191.25	
7206.00		V	--	--	Peak			N/A - Not in Restricted Band
7206.00		V	--	--	Avg			Done via Conducted
9608.00		V	--	--	Peak			N/A - Not in Restricted Band
9608.00		V	--	--	Avg			Done via Conducted
12010.00								No Emissions Detected
14412.00								No Emissions Detected
16814.00								No Emissions Detected
19216.00								No Emissions Detected
21618.00								No Emissions Detected
24020.00								No Emissions Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 03/01/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 1 Mbit
 Low Channel - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	49.17	H	73.97	-24.80	Peak	46.25	143.37	
4804.00	29.17	H	53.97	-24.80	Avg	46.25	143.37	
7206.00		H	--	--	Peak			N/A - Not in Restricted Band
7206.00		H	--	--	Avg			Done via Conducted
9608.00		H	--	--	Peak			N/A - Not in Restricted Band
9608.00		H	--	--	Avg			Done via Conducted
12010.00								No Emissions Detected
12010.00								
14412.00								No Emissions Detected
14412.00								
16814.00								No Emissions Detected
16814.00								
19216.00								No Emissions Detected
19216.00								
21618.00								No Emissions Detected
21618.00								
24020.00								No Emissions Detected
24020.00								

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 03/01/2024
 Lab: D
 Tested By: Kyle Fujimoto

Harmonics - Unit 5 - 1 Mbit
Low Channel - Y-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	45.58	V	73.97	-28.39	Peak	26.00	111.37	
4804.00	25.58	V	53.97	-28.39	Avg	26.00	111.37	
7206.00		V	--	--	Peak			N/A - Not in Restricted Band
7206.00		V	--	--	Avg			Done via Conducted
9608.00		V	--	--	Peak			N/A - Not in Restricted Band
9608.00		V	--	--	Avg			Done via Conducted
12010.00								No Emissions Detected
12010.00								Detected
14412.00								No Emissions Detected
14412.00								Detected
16814.00								No Emissions Detected
16814.00								Detected
19216.00								No Emissions Detected
19216.00								Detected
21618.00								No Emissions Detected
21618.00								Detected
24020.00								No Emissions Detected
24020.00								Detected



FCC 15.247

Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

Date: 03/01/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 1 Mbit
 Low Channel - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	45.46	H	73.97	-28.51	Peak	11.75	143.49	
4804.00	25.46	H	53.97	-28.51	Avg	11.75	143.49	
7206.00		H	--	--	Peak			N/A - Not in Restricted Band
7206.00		H	--	--	Avg			Done via Conducted
9608.00		H	--	--	Peak			N/A - Not in Restricted Band
9608.00		H	--	--	Avg			Done via Conducted
12010.00								No Emissions
12010.00								Detected
14412.00								No Emissions
14412.00								Detected
16814.00								No Emissions
16814.00								Detected
19216.00								No Emissions
19216.00								Detected
21618.00								No Emissions
21618.00								Detected
24020.00								No Emissions
24020.00								Detected

**FCC 15.247**

Universal Electronics, Inc.
EOS Value Remote Numberless
Model: PR4

Date: 03/01/2024
Lab: D
Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 1 Mbit
Low Channel - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	48.90	V	73.97	-25.07	Peak	172.50	110.89	
4804.00	28.90	V	53.97	-25.07	Avg	172.50	110.89	
7206.00		V	--	--	Peak			N/A - Not in Restricted Band
7206.00		V	--	--	Avg			Done via Conducted
9608.00		V	--	--	Peak			N/A - Not in Restricted Band
9608.00		V	--	--	Avg			Done via Conducted
12010.00								No Emissions Detected
12010.00								Detected
14412.00								No Emissions Detected
14412.00								Detected
16814.00								No Emissions Detected
16814.00								Detected
19216.00								No Emissions Detected
19216.00								Detected
21618.00								No Emissions Detected
21618.00								Detected
24020.00								No Emissions Detected
24020.00								Detected



FCC 15.247

Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

Date: 03/01/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 1 Mbit
 Low Channel - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	48.97	H	73.97	-25.00	Peak	37.50	111.49	
4804.00	28.97	H	53.97	-25.00	Avg	37.50	111.49	
7206.00		H	--	--	Peak			N/A - Not in Restricted Band
7206.00		H	--	--	Avg			Done via Conducted
9608.00		H	--	--	Peak			N/A - Not in Restricted Band
9608.00		H	--	--	Avg			Done via Conducted
12010.00								No Emissions Detected
12010.00								Detected
14412.00								No Emissions Detected
14412.00								Detected
16814.00								No Emissions Detected
16814.00								Detected
19216.00								No Emissions Detected
19216.00								Detected
21618.00								No Emissions Detected
21618.00								Detected
24020.00								No Emissions Detected
24020.00								Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 03/01/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 1 Mbit
 Middle Channel - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4880.00	46.60	V	73.97	-27.37	Peak	191.00	175.67	
4880.00	26.60	V	53.97	-27.37	Avg	191.00	175.67	
7320.00	52.60	V	73.97	-21.37	Peak	177.00	111.31	
7320.00	32.60	V	53.97	-21.37	Avg	177.00	111.31	
9760.00		V	--	--	Peak			N/A - Not in Restricted Band Done via Conducted
9760.00		V	--	--	Avg			
12200.00								No Emissions Detected
14640.00								No Emissions Detected
17080.00								No Emissions Detected
19520.00								No Emissions Detected
21960.00								No Emissions Detected
24400.00								No Emissions Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 03/01/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 1 Mbit
 Middle Channel - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4880.00	51.32	H	73.97	-22.65	Peak	49.00	143.61	
4880.00	31.32	H	53.97	-22.65	Avg	49.00	143.61	
7320.00	57.41	H	73.97	-16.56	Peak	49.00	111.43	
7320.00	37.41	H	53.97	-16.56	Avg	49.00	111.43	
9760.00		H	--	--	Peak			N/A - Not in Restricted Band
9760.00		H	--	--	Avg			Done via Conducted
12200.00								No Emissions Detected
14640.00								No Emissions Detected
17080.00								No Emissions Detected
19520.00								No Emissions Detected
21960.00								No Emissions Detected
24400.00								No Emissions Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 03/01/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 1 Mbit
 Middle Channel - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4880.00	48.31	V	73.97	-25.66	Peak	329.75	111.79	
4880.00	28.31	V	53.97	-25.66	Avg	329.75	111.79	
7320.00	56.29	V	73.97	-17.68	Peak	290.75	191.79	
7320.00	36.29	V	53.97	-17.68	Avg	290.75	191.79	
9760.00		V	--	--	Peak			N/A - Not in Restricted Band Done via Conducted
9760.00		V	--	--	Avg			
12200.00								No Emissions Detected
12200.00								Detected
14640.00								No Emissions Detected
14640.00								Detected
17080.00								No Emissions Detected
17080.00								Detected
19520.00								No Emissions Detected
19520.00								Detected
21960.00								No Emissions Detected
21960.00								Detected
24400.00								No Emissions Detected
24400.00								Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 03/01/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 1 Mbit
 Middle Channel - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4880.00	46.28	H	73.97	-27.69	Peak	0.50	143.43	
4880.00	26.28	H	53.97	-27.69	Avg	0.50	143.43	
7320.00	50.86	H	73.97	-23.11	Peak	178.50	143.49	
7320.00	30.86	H	53.97	-23.11	Avg	178.50	143.49	
9760.00		H	--	--	Peak			N/A - Not in Restricted Band Done via Conducted
9760.00		H	--	--	Avg			
12200.00								No Emissions Detected
12200.00								
14640.00								No Emissions Detected
14640.00								
17080.00								No Emissions Detected
17080.00								
19520.00								No Emissions Detected
19520.00								
21960.00								No Emissions Detected
21960.00								
24400.00								No Emissions Detected
24400.00								

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 03/01/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 1 Mbit
Middle Channel - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4880.00	50.98	V	73.97	-22.99	Peak	173.75	143.25	
4880.00	30.98	V	53.97	-22.99	Avg	173.75	143.25	
7320.00	55.47	V	73.97	-18.50	Peak	75.00	111.31	
7320.00	35.47	V	53.97	-18.50	Avg	75.00	111.31	
9760.00		V	--	--	Peak			N/A - Not in Restricted Band
9760.00		V	--	--	Avg			Done via Conducted
12200.00								No Emissions Detected
14640.00								No Emissions Detected
17080.00								No Emissions Detected
19520.00								No Emissions Detected
21960.00								No Emissions Detected
24400.00								No Emissions Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 03/01/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 1 Mbit
 Middle Channel - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4880.00	50.44	H	73.97	-23.53	Peak	114.50	127.61	
4880.00	30.44	H	53.97	-23.53	Avg	114.50	127.61	
7320.00	54.12	H	73.97	-19.85	Peak	315.75	143.07	
7320.00	34.12	H	53.97	-19.85	Avg	315.75	143.07	
9760.00		H	--	--	Peak			N/A - Not in Restricted Band Done via Conducted
9760.00		H	--	--	Avg			
12200.00								No Emissions Detected
12200.00								Detected
14640.00								No Emissions Detected
14640.00								Detected
17080.00								No Emissions Detected
17080.00								Detected
19520.00								No Emissions Detected
19520.00								Detected
21960.00								No Emissions Detected
21960.00								Detected
24400.00								No Emissions Detected
24400.00								Detected



FCC 15.247

Universal Electronics, Inc.
EOS Value Remote Numberless
Model: PR4

Date: 03/01/2024
Lab: D
Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 1 Mbit
High Channel - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	49.12	V	73.97	-24.85	Peak	332.00	111.07	
4960.00	29.12	V	53.97	-24.85	Avg	332.00	111.07	
7440.00	46.48	V	73.97	-27.49	Peak	105.25	161.16	
7440.00	26.48	V	53.97	-27.49	Avg	105.25	161.16	
9920.00		V	--	--	Peak			N/A - Not in Restricted Band
9920.00		V	--	--	Avg			Done via Conducted
12400.00								No Emissions Detected
12400.00								Detected
14880.00								No Emissions Detected
14880.00								Detected
17360.00								No Emissions Detected
17360.00								Detected
19840.00								No Emissions Detected
19840.00								Detected
22320.00								No Emissions Detected
22320.00								Detected
24800.00								No Emissions Detected
24800.00								Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 03/01/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 1 Mbit
High Channel - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	55.57	H	73.97	-18.40	Peak	47.00	143.55	
4960.00	35.57	H	53.97	-18.40	Avg	47.00	143.55	
7440.00	49.97	H	73.97	-24.00	Peak	113.25	175.73	
7440.00	29.97	H	53.97	-24.00	Avg	113.25	175.73	
9920.00		H	--	--	Peak			N/A - Not in Restricted Band
9920.00		H	--	--	Avg			Done via Conducted
12400.00								No Emissions Detected
12400.00								Detected
14880.00								No Emissions Detected
14880.00								Detected
17360.00								No Emissions Detected
17360.00								Detected
19840.00								No Emissions Detected
19840.00								Detected
22320.00								No Emissions Detected
22320.00								Detected
24800.00								No Emissions Detected
24800.00								Detected



FCC 15.247

Universal Electronics, Inc.
EOS Value Remote Numberless
Model: PR4

Date: 03/01/2024
Lab: D
Tested By: Kyle Fujimoto

Harmonics - Unit 5 - 1 Mbit
High Channel - Y-Axis

Freq. (MHz)	Level (dBUV/m)	Pol (v/h)	Limit (dBUV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	51.42	V	73.97	-22.55	Peak	273.00	250.00	
4960.00	31.42	V	53.97	-22.55	Avg	273.00	250.00	
7440.00	50.43	V	73.97	-23.54	Peak	265.25	111.25	
7440.00	30.43	V	53.97	-23.54	Avg	265.25	111.25	
9920.00		V	--	--	Peak			N/A - Not in Restricted Band
9920.00		V	--	--	Avg			Done via Conducted
12400.00								No Emissions Detected
12400.00								Detected
14880.00								No Emissions Detected
14880.00								Detected
17360.00								No Emissions Detected
17360.00								Detected
19840.00								No Emissions Detected
19840.00								Detected
22320.00								No Emissions Detected
22320.00								Detected
24800.00								No Emissions Detected
24800.00								Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 03/01/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 1 Mbit
 High Channel - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	49.08	H	73.97	-24.89	Peak	337.75	127.55	
4960.00	29.08	H	53.97	-24.89	Avg	337.75	127.55	
7440.00	47.16	H	73.97	-26.81	Peak	9.75	127.25	
7440.00	27.16	H	53.97	-26.81	Avg	9.75	127.25	
9920.00		H	--	--	Peak			N/A - Not in Restricted Band
9920.00		H	--	--	Avg			Done via Conducted
12400.00								No Emissions Detected
14880.00								No Emissions Detected
17360.00								No Emissions Detected
19840.00								No Emissions Detected
22320.00								No Emissions Detected
24800.00								No Emissions Detected



FCC 15.247

Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

Date: 03/01/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 1 Mbit
 High Channel - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	54.53	V	73.97	-19.44	Peak	173.25	127.01	
4960.00	34.53	V	53.97	-19.44	Avg	173.25	127.01	
7440.00	50.22	V	73.97	-23.75	Peak	85.75	159.43	
7440.00	30.22	V	53.97	-23.75	Avg	85.75	159.43	
9920.00		V	--	--	Peak			N/A - Not in Restricted Band
9920.00		V	--	--	Avg			Done via Conducted
12400.00								No Emissions Detected
14880.00								No Emissions Detected
17360.00								No Emissions Detected
19840.00								No Emissions Detected
22320.00								No Emissions Detected
24800.00								No Emissions Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 03/01/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 1 Mbit
 High Channel - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	55.81	H	73.97	-18.16	Peak	125.75	111.55	
4960.00	35.81	H	53.97	-18.16	Avg	125.75	111.55	
7440.00	45.76	H	73.97	-28.21	Peak	130.25	175.43	
7440.00	25.76	H	53.97	-28.21	Avg	130.25	175.43	
9920.00		H	--	--	Peak			N/A - Not in Restricted Band
9920.00		H	--	--	Avg			Done via Conducted
12400.00								No Emissions Detected
12400.00								Detected
14880.00								No Emissions Detected
14880.00								Detected
17360.00								No Emissions Detected
17360.00								Detected
19840.00								No Emissions Detected
19840.00								Detected
22320.00								No Emissions Detected
22320.00								Detected
24800.00								No Emissions Detected
24800.00								Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 02/26/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 2 Mbit
 Low Channel - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	45.43	V	73.97	-28.54	Peak	180.25	111.13	
4804.00	25.43	V	53.97	-28.54	Avg	180.25	111.13	
7206.00		V	--	--	Peak			N/A - Not in Restricted Band
7206.00		V	--	--	Avg			Done via Conducted
9608.00		V	--	--	Peak			N/A - Not in Restricted Band
9608.00		V	--	--	Avg			Done via Conducted
12010.00								No Emissions Detected
12010.00								
14412.00								No Emissions Detected
14412.00								
16814.00								No Emissions Detected
16814.00								
19216.00								No Emissions Detected
19216.00								
21618.00								No Emissions Detected
21618.00								
24020.00								No Emissions Detected
24020.00								

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 02/26/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 2 Mbit
 Low Channel - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	49.26	H	73.97	-24.71	Peak	46.75	127.31	
4804.00	29.26	H	53.97	-24.71	Avg	46.75	127.31	
7206.00		H	--	--	Peak			N/A - Not in Restricted Band
7206.00		H	--	--	Avg			Done via Conducted
9608.00		H	--	--	Peak			N/A - Not in Restricted Band
9608.00		H	--	--	Avg			Done via Conducted
12010.00								No Emissions Detected
12010.00								
14412.00								No Emissions Detected
14412.00								
16814.00								No Emissions Detected
16814.00								
19216.00								No Emissions Detected
19216.00								
21618.00								No Emissions Detected
21618.00								
24020.00								No Emissions Detected
24020.00								



FCC 15.247

Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

Date: 02/26/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 2 Mbit
 Low Channel - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	41.83	V	73.97	-32.14	Peak	187.50	222.83	
4804.00	21.83	V	53.97	-32.14	Avg	187.50	222.83	
7206.00		V	--	--	Peak			N/A - Not in Restricted Band
7206.00		V	--	--	Avg			Done via Conducted
9608.00		V	--	--	Peak			N/A - Not in Restricted Band
9608.00		V	--	--	Avg			Done via Conducted
12010.00								No Emissions Detected
14412.00								No Emissions Detected
16814.00								No Emissions Detected
19216.00								No Emissions Detected
21618.00								No Emissions Detected
24020.00								No Emissions Detected



FCC 15.247

Universal Electronics, Inc.
EOS Value Remote Numberless
Model: PR4

Date: 02/26/2024
Lab: D
Tested By: Kyle Fujimoto

Harmonics - Unit 5 - 2 Mbit
Low Channel - Y-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	46.08	H	73.97	-27.89	Peak	143.75	159.55	
4804.00	26.08	H	53.97	-27.89	Avg	143.75	159.55	
7206.00		H	--	--	Peak			N/A - Not in Restricted Band
7206.00		H	--	--	Avg			Done via Conducted
9608.00		H	--	--	Peak			N/A - Not in Restricted Band
9608.00		H	--	--	Avg			Done via Conducted
12010.00								No Emissions Detected
12010.00								Detected
14412.00								No Emissions Detected
14412.00								Detected
16814.00								No Emissions Detected
16814.00								Detected
19216.00								No Emissions Detected
19216.00								Detected
21618.00								No Emissions Detected
21618.00								Detected
24020.00								No Emissions Detected
24020.00								Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 02/26/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 2 Mbit
 Low Channel - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	48.44	V	73.97	-25.53	Peak	302.50	127.79	
4804.00	28.44	V	53.97	-25.53	Avg	302.50	127.79	
7206.00		V	--	--	Peak			N/A - Not in Restricted Band
7206.00		V	--	--	Avg			Done via Conducted
9608.00		V	--	--	Peak			N/A - Not in Restricted Band
9608.00		V	--	--	Avg			Done via Conducted
12010.00								No Emissions Detected
14412.00								No Emissions Detected
16814.00								No Emissions Detected
19216.00								No Emissions Detected
21618.00								No Emissions Detected
24020.00								No Emissions Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 02/26/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 2 Mbit
 Low Channel - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	49.19	H	73.97	-24.78	Peak	116.75	111.37	
4804.00	29.19	H	53.97	-24.78	Avg	116.75	111.37	
7206.00		H	--	--	Peak			N/A - Not in Restricted Band
7206.00		H	--	--	Avg			Done via Conducted
9608.00		H	--	--	Peak			N/A - Not in Restricted Band
9608.00		H	--	--	Avg			Done via Conducted
12010.00								No Emissions Detected
12010.00								Detected
14412.00								No Emissions Detected
14412.00								Detected
16814.00								No Emissions Detected
16814.00								Detected
19216.00								No Emissions Detected
19216.00								Detected
21618.00								No Emissions Detected
21618.00								Detected
24020.00								No Emissions Detected
24020.00								Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 02/26/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 2 Mbit
Middle Channel - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4880.00	46.15	V	73.97	-27.82	Peak	188.25	127.49	
4880.00	26.50	V	53.97	-27.47	Avg	188.25	127.49	
7320.00	51.13	V	73.97	-22.84	Peak	166.75	191.49	
7320.00	31.13	V	53.97	-22.84	Avg	166.75	191.49	
9760.00		V	--	--	Peak			N/A - Not in Restricted Band
9760.00		V	--	--	Avg			Done via Conducted
12200.00								No Emissions Detected
12200.00								
14640.00								No Emissions Detected
14640.00								
17080.00								No Emissions Detected
17080.00								
19520.00								No Emissions Detected
19520.00								
21960.00								No Emissions Detected
21960.00								
24400.00								No Emissions Detected
24400.00								

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

Date: 02/26/2024

Lab: D

Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 2 Mbit
 Middle Channel - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4880.00	51.89	H	73.97	-22.08	Peak	43.00	111.67	
4880.00	31.89	H	53.97	-22.08	Avg	43.00	111.67	
7320.00	56.39	H	73.97	-17.58	Peak	73.50	143.61	
7320.00	36.39	H	53.97	-17.58	Avg	73.50	143.61	
9760.00		H	--	--	Peak			N/A - Not in Restricted Band
9760.00		H	--	--	Avg			Done via Conducted
12200.00								No Emissions Detected
12200.00								Detected
14640.00								No Emissions Detected
14640.00								Detected
17080.00								No Emissions Detected
17080.00								Detected
19520.00								No Emissions Detected
19520.00								Detected
21960.00								No Emissions Detected
21960.00								Detected
24400.00								No Emissions Detected
24400.00								Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

Date: 02/26/2024

Lab: D

Tested By: Kyle Fujimoto

Harmonics - Unit 5 - 2 Mbit
Middle Channel - Y-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4880.00	46.74	V	73.97	-27.23	Peak	330.75	111.31	
4880.00	26.74	V	53.97	-27.23	Avg	330.75	111.31	
7320.00	56.98	V	73.97	-16.99	Peak	288.25	191.31	
7320.00	36.98	V	53.97	-16.99	Avg	288.25	191.31	
9760.00		V	--	--	Peak			N/A - Not in Restricted Band
9760.00		V	--	--	Avg			Done via Conducted
12200.00								No Emissions Detected
14640.00								No Emissions Detected
17080.00								No Emissions Detected
19520.00								No Emissions Detected
21960.00								No Emissions Detected
24400.00								No Emissions Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 02/26/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 2 Mbit
Middle Channel - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4880.00	45.38	H	73.97	-28.59	Peak	0.00	127.13	
4880.00	25.38	H	53.97	-28.59	Avg	0.00	127.13	
7320.00	50.63	H	73.97	-23.34	Peak	110.50	143.25	
7320.00	30.63	H	53.97	-23.34	Avg	110.50	143.25	
9760.00		H	--	--	Peak			N/A - Not in Restricted Band
9760.00		H	--	--	Avg			Done via Conducted
12200.00								No Emissions Detected
12200.00								Detected
14640.00								No Emissions Detected
14640.00								Detected
17080.00								No Emissions Detected
17080.00								Detected
19520.00								No Emissions Detected
19520.00								Detected
21960.00								No Emissions Detected
21960.00								Detected
24400.00								No Emissions Detected
24400.00								Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 02/26/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 2 Mbit
 Middle Channel - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4880.00	50.59	V	73.97	-23.38	Peak	173.75	111.85	
4880.00	30.59	V	53.97	-23.38	Avg	173.75	111.85	
7320.00	52.95	V	73.97	-21.02	Peak	133.00	175.49	
7320.00	32.95	V	53.97	-21.02	Avg	133.00	175.49	
9760.00		V	--	--	Peak			N/A - Not in Restricted Band
9760.00		V	--	--	Avg			Done via Conducted
12200.00								No Emissions Detected
12200.00								
14640.00								No Emissions Detected
14640.00								
17080.00								No Emissions Detected
17080.00								
19520.00								No Emissions Detected
19520.00								
21960.00								No Emissions Detected
21960.00								
24400.00								No Emissions Detected
24400.00								

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

Date: 02/26/2024

Lab: D

Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 2 Mbit
 Middle Channel - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4880.00	51.23	H	73.97	-22.74	Peak	119.25	127.13	
4880.00	31.23	H	53.97	-22.74	Avg	119.25	127.13	
7320.00	53.22	H	73.97	-20.75	Peak	75.25	111.49	
7320.00	33.22	H	53.97	-20.75	Avg	75.25	111.49	
9760.00		H	--	--	Peak			N/A - Not in Restricted Band Done via Conducted
9760.00		H	--	--	Avg			
12200.00								No Emissions Detected
14640.00								No Emissions Detected
17080.00								No Emissions Detected
19520.00								No Emissions Detected
21960.00								No Emissions Detected
24400.00								No Emissions Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 02/26/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 2 Mbit
High Channel - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	50.57	V	73.97	-23.40	Peak	182.50	127.73	
4960.00	30.57	V	53.97	-23.40	Avg	182.50	127.73	
7440.00	44.83	V	73.97	-29.14	Peak	10.50	207.31	
7440.00	24.83	V	53.97	-29.14	Avg	10.50	207.31	
9920.00		V	--	--	Peak			N/A - Not in Restricted Band Done via Conducted
9920.00		V	--	--	Avg			
12400.00								No Emissions Detected
14880.00								No Emissions Detected
17360.00								No Emissions Detected
19840.00								No Emissions Detected
22320.00								No Emissions Detected
24800.00								No Emissions Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 02/26/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 2 Mbit
 High Channel - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	54.49	H	73.97	-19.48	Peak	104.00	110.59	
4960.00	34.49	H	53.97	-19.48	Avg	104.00	110.59	
7440.00	49.34	H	73.97	-24.63	Peak	98.50	111.55	
7440.00	29.34	H	53.97	-24.63	Avg	98.50	111.55	
9920.00	56.84	H	73.97	-17.13	Peak	145.75	111.43	N/A - Not in Restricted Band
9920.00	36.84	H	53.97	-17.13	Avg	145.75	111.43	Done via Conducted
12400.00								No Emissions Detected
14880.00								No Emissions Detected
17360.00								No Emissions Detected
19840.00								No Emissions Detected
22320.00								No Emissions Detected
24800.00								No Emissions Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 02/26/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 2 Mbit
 High Channel - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	52.08	V	73.97	-21.89	Peak	281.25	111.13	
4960.00	32.08	V	53.97	-21.89	Avg	281.25	111.13	
7440.00	49.19	V	73.97	-24.78	Peak	281.00	159.49	
7440.00	29.19	V	53.97	-24.78	Avg	281.00	159.49	
9920.00		V	--	--	Peak			N/A - Not in Restricted Band Done via Conducted
9920.00		V	--	--	Avg			
12400.00								No Emissions Detected
14880.00								No Emissions Detected
17360.00								No Emissions Detected
19840.00								No Emissions Detected
22320.00								No Emissions Detected
24800.00								No Emissions Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 02/26/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 2 Mbit
 High Channel - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	49.90	H	73.97	-24.07	Peak	149.50	111.31	
4960.00	29.90	H	53.97	-24.07	Avg	149.50	111.31	
7440.00	47.03	H	73.97	-26.94	Peak	183.75	143.61	
7440.00	27.03	H	53.97	-26.94	Avg	183.75	143.61	
9920.00	51.39	H	73.97	-22.58	Peak	322.25	223.13	N/A - Not in Restricted Band
9920.00	31.39	H	53.97	-22.58	Avg	322.25	223.13	Done via Conducted
12400.00								No Emissions Detected
12400.00								Detected
14880.00								No Emissions Detected
14880.00								Detected
17360.00								No Emissions Detected
17360.00								Detected
19840.00								No Emissions Detected
19840.00								Detected
22320.00								No Emissions Detected
22320.00								Detected
24800.00								No Emissions Detected
24800.00								Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 02/26/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 2 Mbit
 High Channel - Z-Axis**

Freq. (MHz)	Level (dBUV/m)	Pol (v/h)	Limit (dBUV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	54.86	V	73.97	-19.11	Peak	172.75	111.31	
4960.00	34.86	V	53.97	-19.11	Avg	172.75	111.31	
7440.00	46.23	V	73.97	-27.74	Peak	173.25	111.37	
7440.00	26.23	V	53.97	-27.74	Avg	173.25	111.37	
9920.00		V	--	--	Peak			N/A - Not in Restricted Band
9920.00		V	--	--	Avg			Done via Conducted
12400.00								No Emissions Detected
14880.00								No Emissions Detected
17360.00								No Emissions Detected
19840.00								No Emissions Detected
22320.00								No Emissions Detected
24800.00								No Emissions Detected

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 02/26/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Harmonics - Unit 5 - 2 Mbit
 High Channel - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	53.49	H	73.97	-20.48	Peak	120.50	121.25	
4960.00	33.49	H	53.97	-20.48	Avg	120.50	121.25	
7440.00	42.36	H	73.97	-31.61	Peak	180.25	106.35	
7440.00	22.36	H	53.97	-31.61	Avg	180.25	106.35	
9920.00		H	--	--	Peak			N/A - Not in Restricted Band
9920.00		H	--	--	Avg			Done via Conducted
12400.00								No Emissions Detected
12400.00								
14880.00								No Emissions Detected
14880.00								
17360.00								No Emissions Detected
17360.00								
19840.00								No Emissions Detected
19840.00								
22320.00								No Emissions Detected
22320.00								
24800.00								No Emissions Detected
24800.00								



FCC 15.247 and FCC Class B

Universal Electronics, Inc.
EOS Value Remote
Model: PR3

Date: 02/22/2024
Lab: D
Tested By: Kyle Fujimoto

Non Harmonic Emissions from the Tx and Digital Portion - 9 kHz to 30 MHz
Non Harmonic Emissions from the Tx and Digital Portion - 1 GHz To 25 GHz
2 MBit

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
								No Emissions Detected from 9 kHz to 30 MHz for the digital portion of the EUT
								No Emissions Detected from 1 GHz to 25 GHz for the digital portion of the EUT
								from 9 kHz to 30 MHz for the Non-Harmonic Emissions of the Transmitter for the EUT
								No Emissions Detected from 1 GHz to 25 GHz for the Non-Harmonic Emissions of the Transmitter for the EUT
								Investigated in the X-Axis, Y-Axis, and Z-Axis



***BAND EDGE
DATA SHEETS***

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

 Date: 03/02/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Band Edges - Unit 5
Low Channel**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2402.00	101.74	H	--	--	Peak	76.00	173.64	Fundamental
2402.00	81.74	H	--	--	Avg	76.00	173.64	X-Axis - 1 Mbit
2369.85	47.83	H	73.97	-26.14	Peak	76.00	173.64	Band Edge
2369.85	27.83	H	53.97	-26.14	Avg	76.00	173.64	X-Axis - 1 Mbit
2390.00	42.82	H	73.97	-31.15	Peak	76.00	173.64	Band Edge
2390.00	22.82	H	53.97	-31.15	Avg	76.00	173.64	X-Axis - 1 Mbit
2402.00	101.31	V	--	--	Peak	296.75	172.92	Fundamental
2402.00	81.31	V	--	--	Avg	296.75	172.92	Y-Axis - 1 Mbit
2370.06	47.89	V	73.97	-26.08	Peak	296.75	172.92	Band Edge
2370.06	27.89	V	53.97	-26.08	Avg	296.75	172.92	Y-Axis - 1 Mbit
2390.00	43.85	V	73.97	-30.12	Peak	296.75	172.92	Band Edge
2390.00	23.85	V	53.97	-30.12	Avg	296.75	172.92	Y-Axis - 1 Mbit

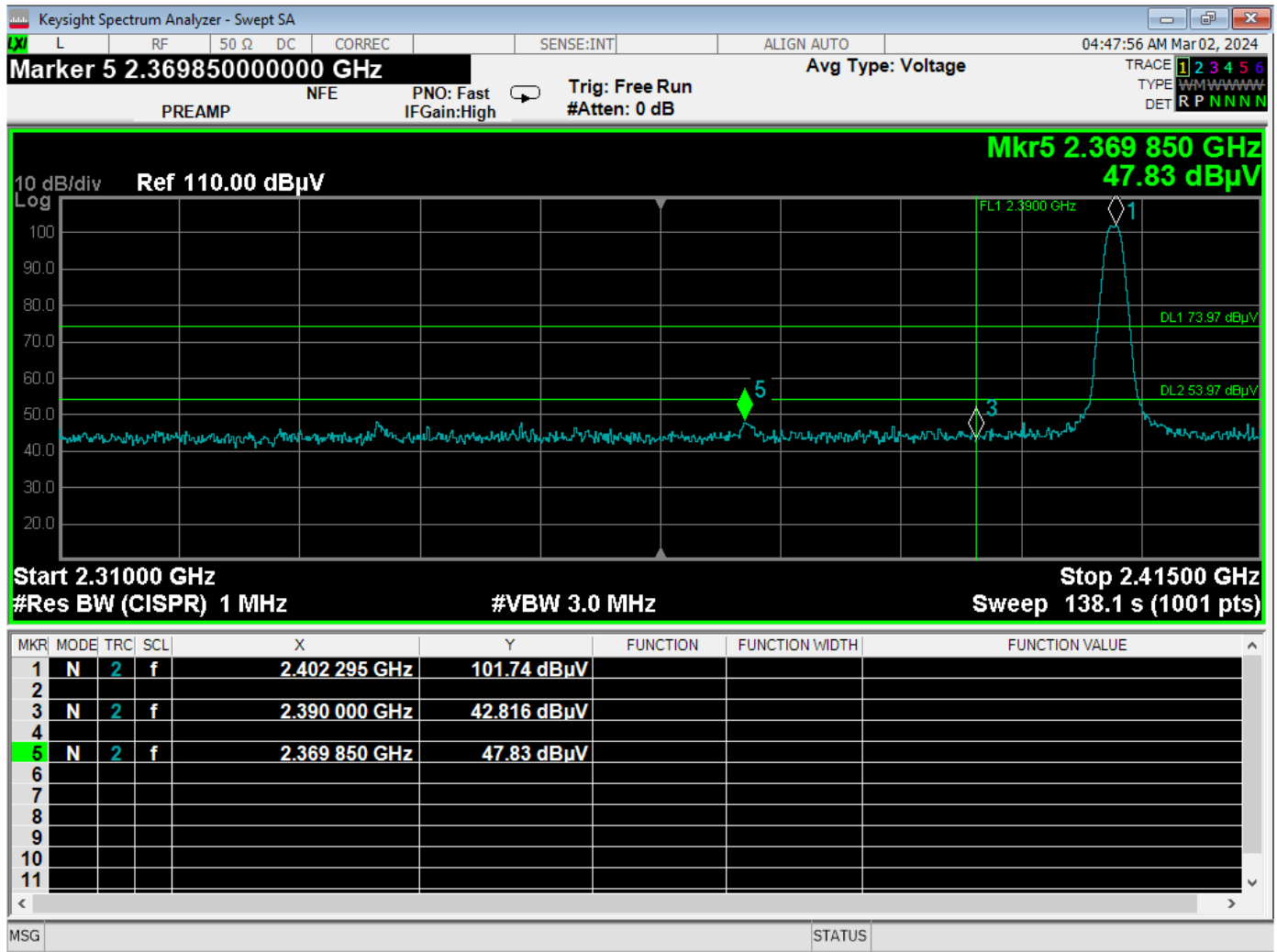
FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

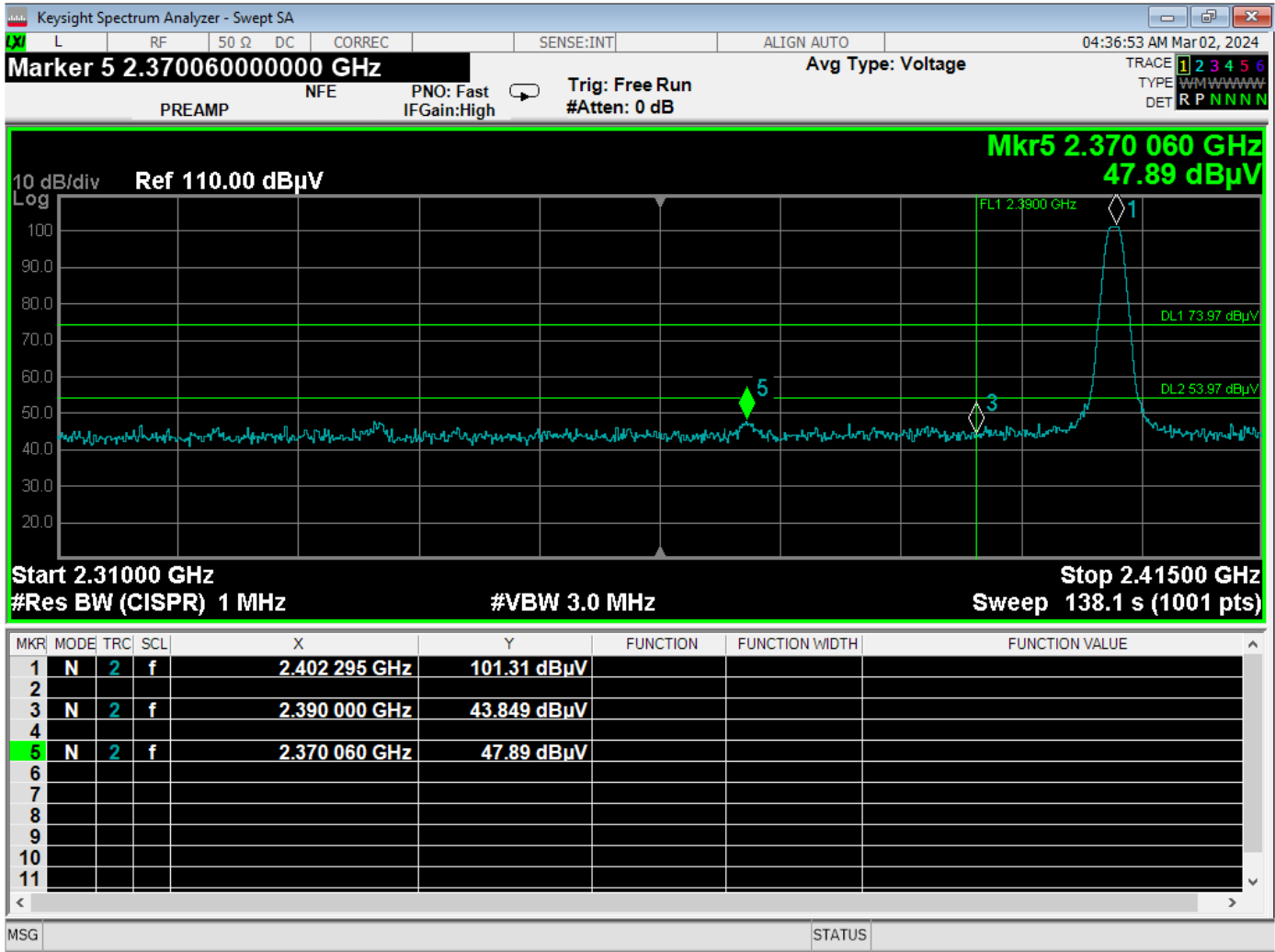
 Date: 03/02/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Band Edges - Unit 5
High Channel**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2480.00	102.42	H	--	--	Peak	134.00	120.80	Fundamental
2480.00	82.42	H	--	--	Avg	134.00	120.80	X-Axis - 1 Mbit
2483.50	48.83	H	73.97	-25.14	Peak	134.00	120.80	Band Edge
2483.50	28.83	H	53.97	-25.14	Avg	134.00	120.80	X-Axis - 1 Mbit
2480.00	101.86	V	--	--	Peak	258.75	172.98	Fundamental
2480.00	81.86	V	--	--	Avg	258.75	172.98	Y-Axis - 1 Mbit
2483.50	48.88	V	73.97	-25.09	Peak	258.75	172.98	Band Edge
2483.50	28.88	V	53.97	-25.09	Avg	258.75	172.98	Y-Axis - 1 Mbit



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

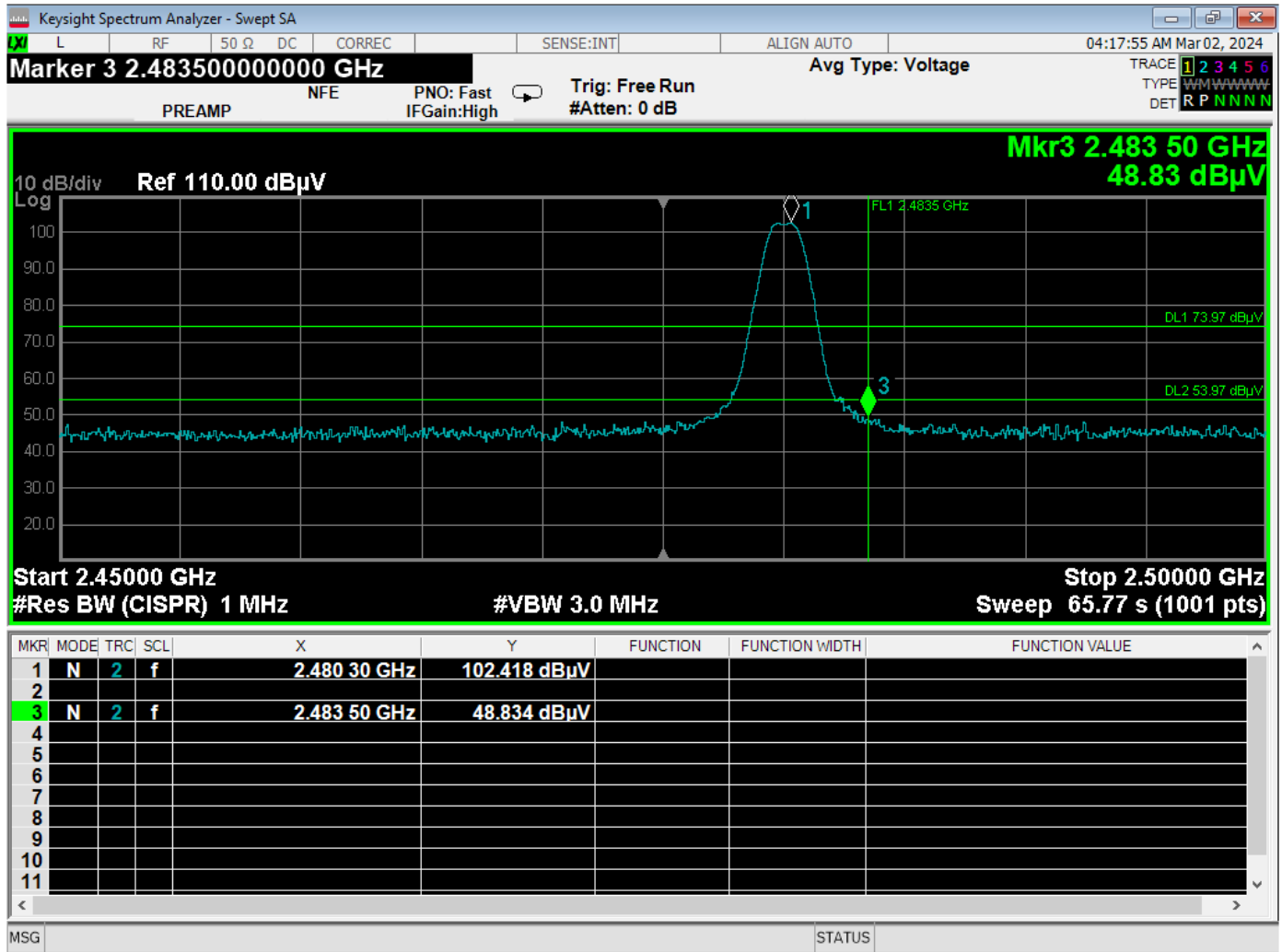


Band Edge – Low Channel – Vertical Polarization – BLE Mode – 1 Mbit

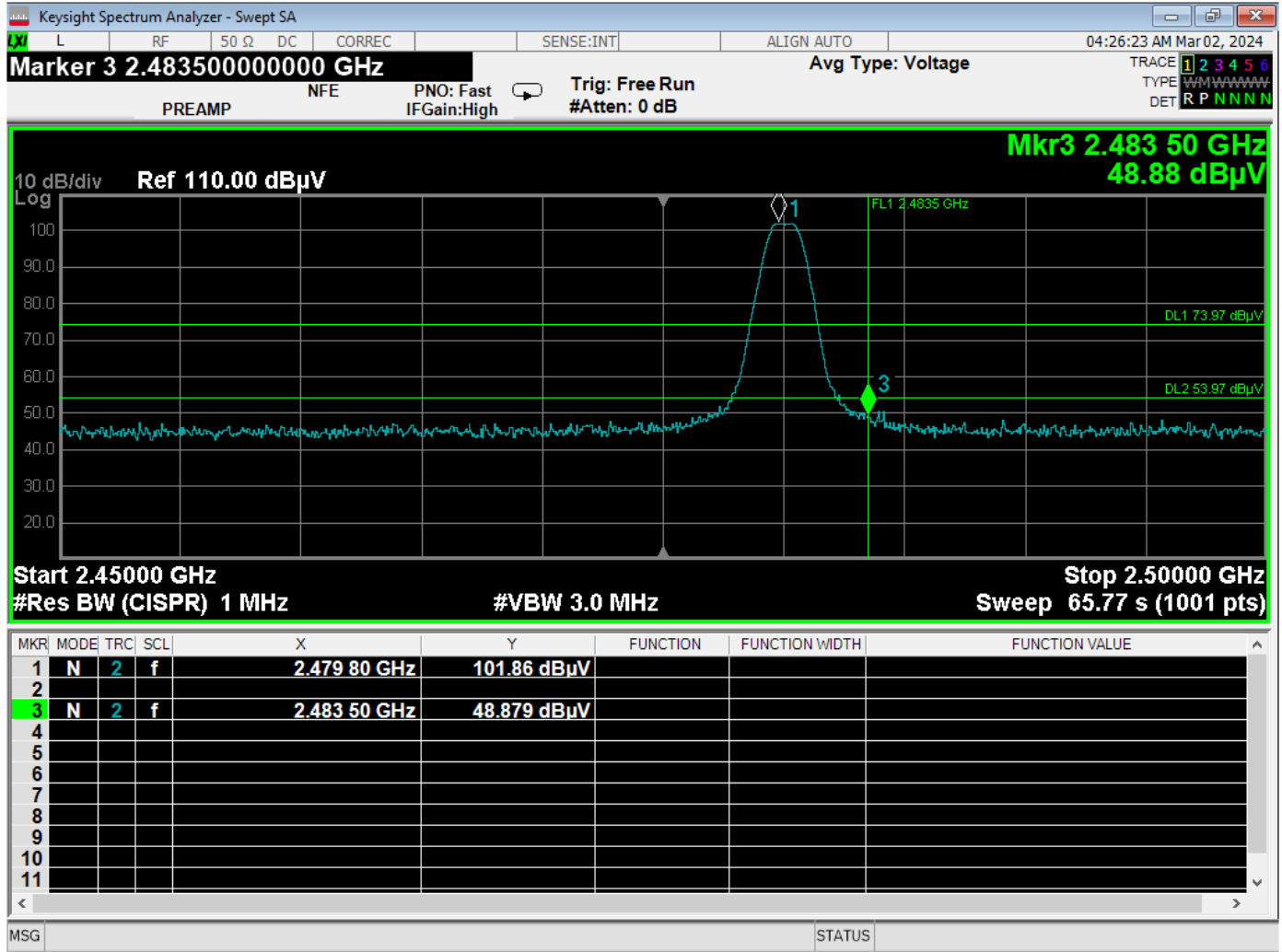
Brea Division
 114 Olinda Drive
 Brea, CA 92823
 (714) 579-0500

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

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



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.
 EOS Value Remote Numberless
 Model: PR4

 Date: 02/26/2024
 Lab: D
 Tested By: Kyle Fujimoto

**Band Edges - Unit 5
Low Channel**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2402.00	101.50	H	--	--	Peak	138.75	172.86	Fundamental
2402.00	81.50	H	--	--	Avg	138.75	172.86	X-Axis - 2 Mbit
2370.06	49.41	H	73.97	-24.56	Peak	138.75	172.86	Band Edge
2370.06	29.41	H	53.97	-24.56	Avg	138.75	172.86	X-Axis - 2 Mbit
2390.00	43.95	H	73.97	-30.02	Peak	138.75	172.86	Band Edge
2390.00	23.95	H	53.97	-30.02	Avg	138.75	172.86	X-Axis - 2 Mbit
2402.00	100.83	V	--	--	Peak	250.25	148.86	Fundamental
2402.00	80.83	V	--	--	Avg	250.25	148.86	Y-Axis - 2 Mbit
2370.17	49.42	V	73.97	-24.55	Peak	250.25	148.86	Band Edge
2370.17	29.42	V	53.97	-24.55	Avg	250.25	148.86	Y-Axis - 2 Mbit
2390.00	44.41	V	73.97	-29.56	Peak	250.25	148.86	Band Edge
2390.00	24.41	V	53.97	-29.56	Avg	250.25	148.86	Y-Axis - 2 Mbit

FCC 15.247

 Universal Electronics, Inc.
 EOS Value Remote Numberless
 Model: PR4

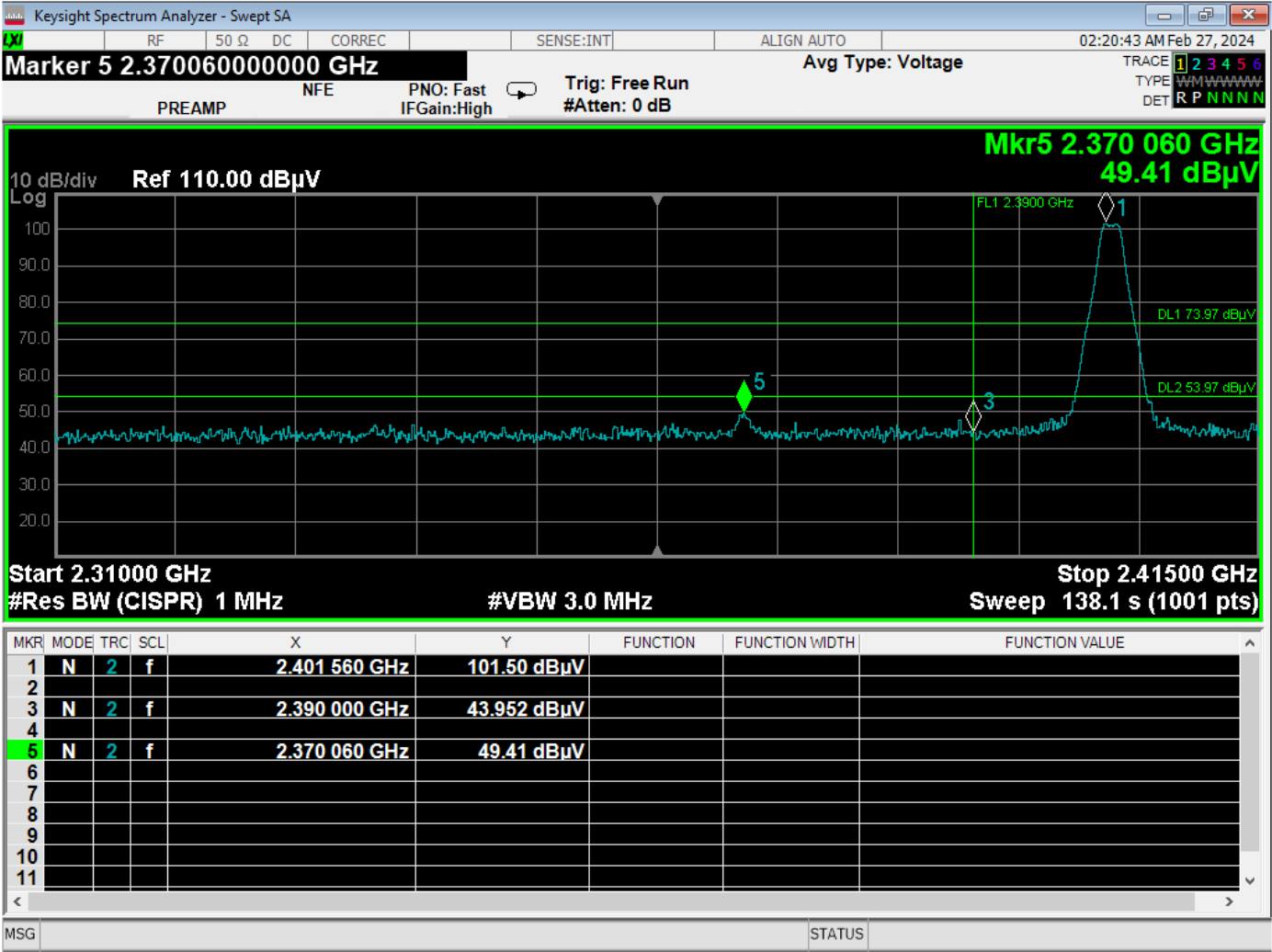
Date: 02/26/2024

Lab: D

Tested By: Kyle Fujimoto

**Band Edges - Unit 5
High Channel**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2480.00	101.91	H	--	--	Peak	137.75	184.26	Fundamental
2480.00	81.91	H	--	--	Avg	137.75	184.26	X-Axis - 2 Mbit
2483.50	52.28	H	73.97	-21.69	Peak	137.75	184.26	Band Edge
2483.50	32.28	H	53.97	-21.69	Avg	137.75	184.26	X-Axis - 2 Mbit
2480.00	102.36	V	--	--	Peak	248.75	158.00	Fundamental
2480.00	82.36	V	--	--	Avg	248.75	158.00	Y-Axis - 2 Mbit
2483.50	52.42	V	73.97	-21.55	Peak	248.75	158.00	Band Edge
2483.50	32.42	V	53.97	-21.55	Avg	248.75	158.00	Y-Axis - 2 Mbit

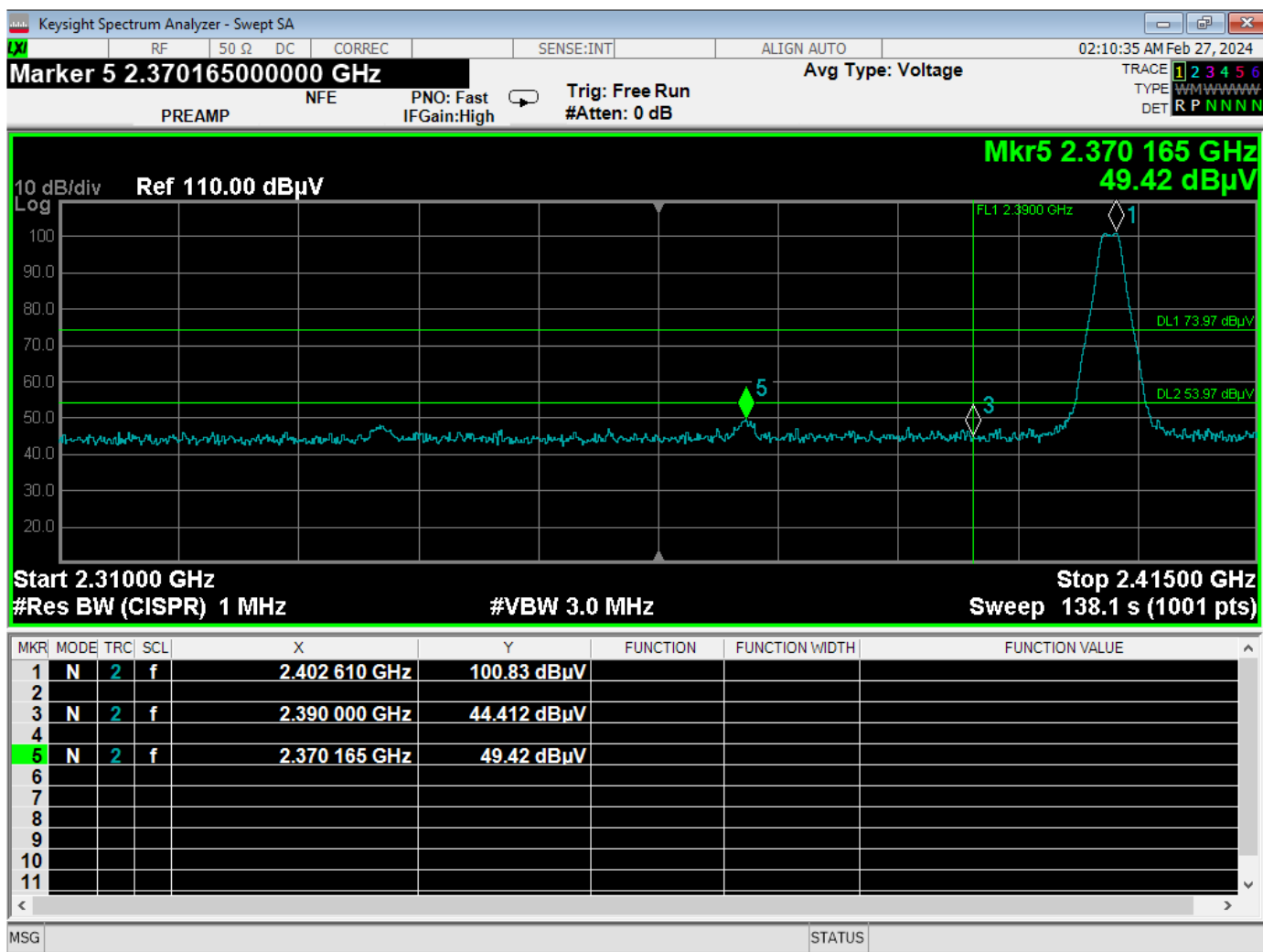


Band Edge – Low Channel – Horizontal Polarization – BLE Mode – 2 MBit

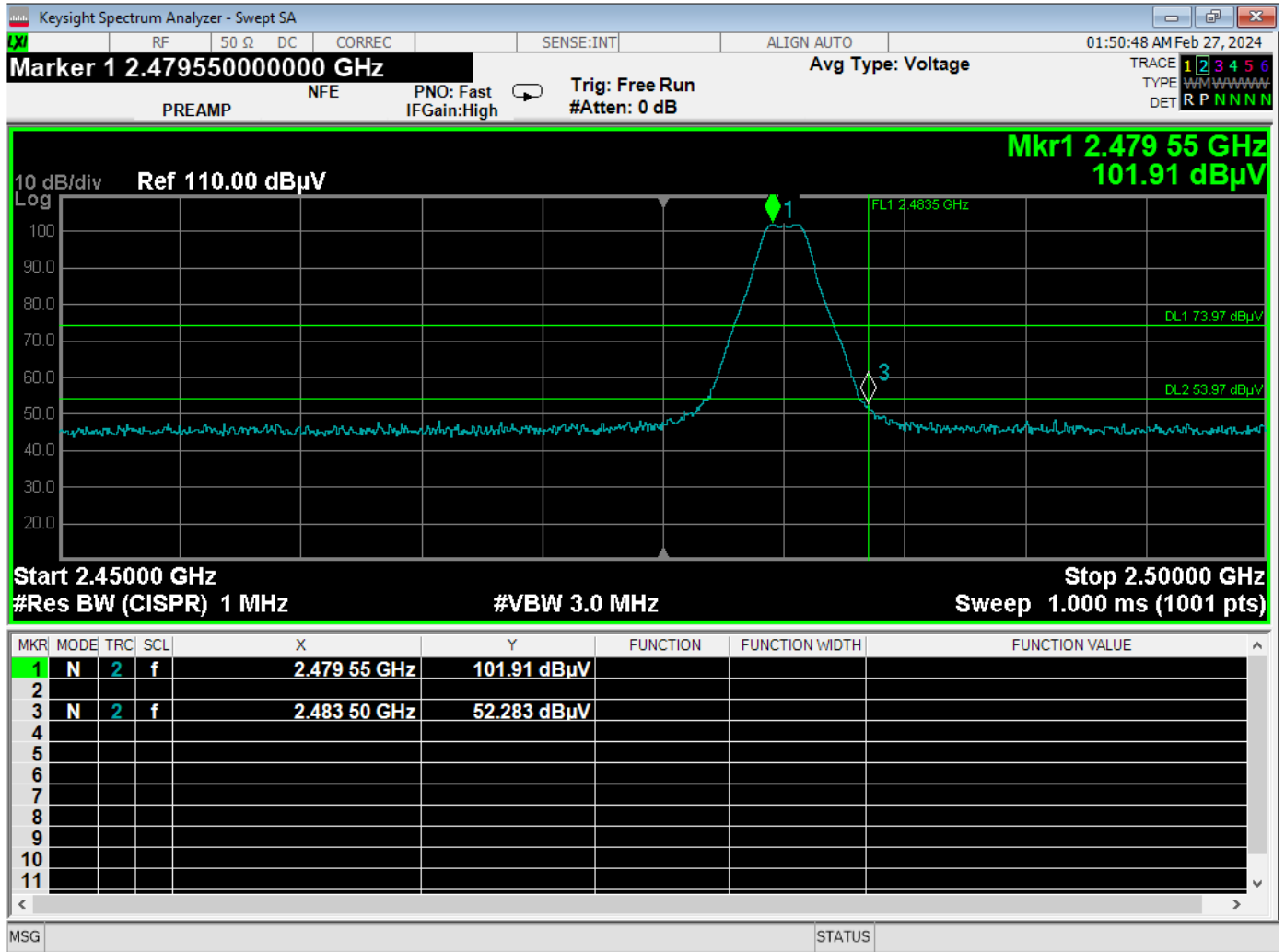
Brea Division
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 Brea, CA 92823
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Lake Forest Division
 20621 Pascal Way
 Lake Forest, CA 92630
 (949) 587-0400

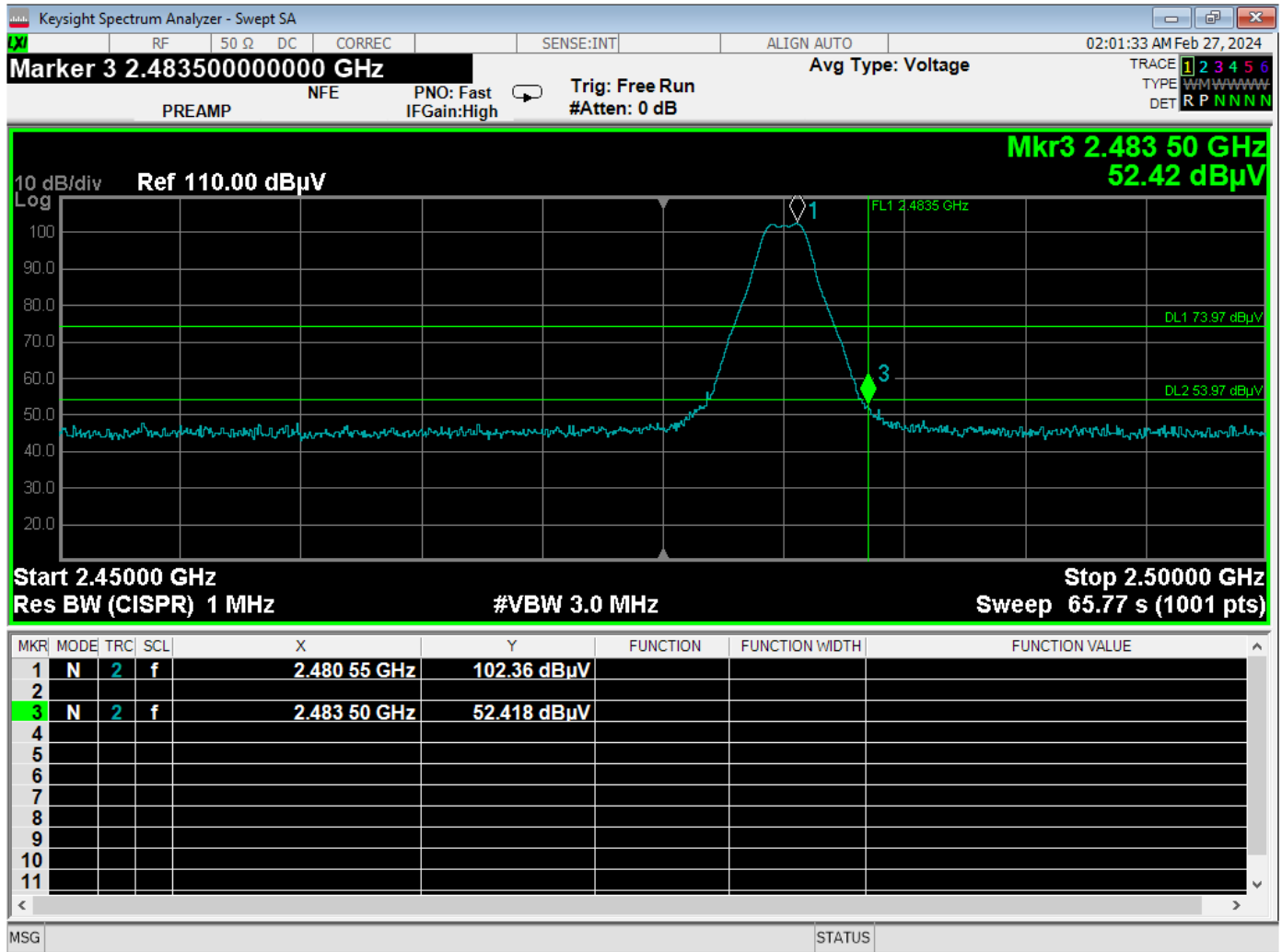
Newbury Park Division
 1050 Lawrence Drive
 Newbury Park, CA 91320
 (805) 480-4044



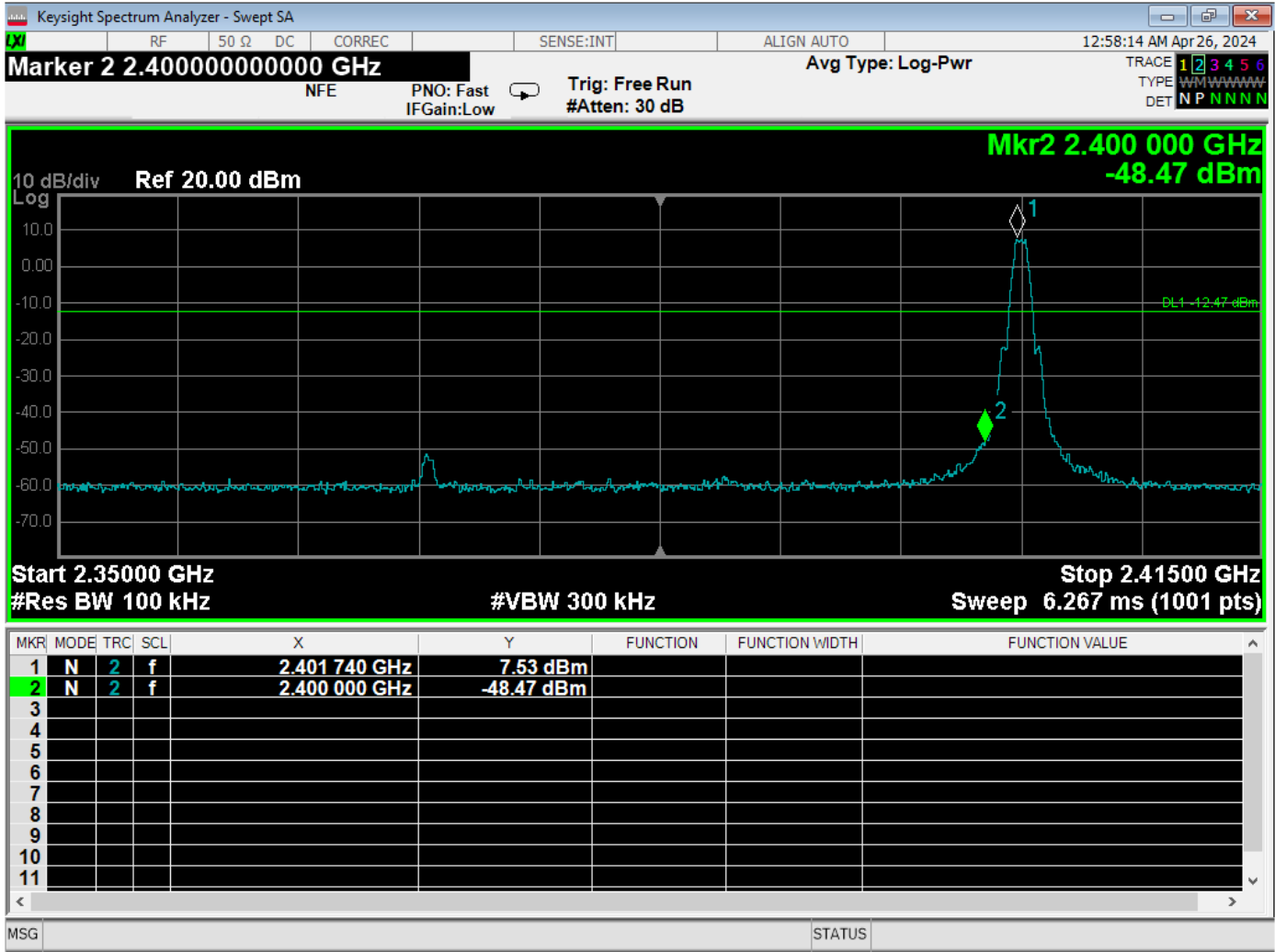
Band Edge – Low Channel – Vertical Polarization – BLE Mode – 2 MBit



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



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

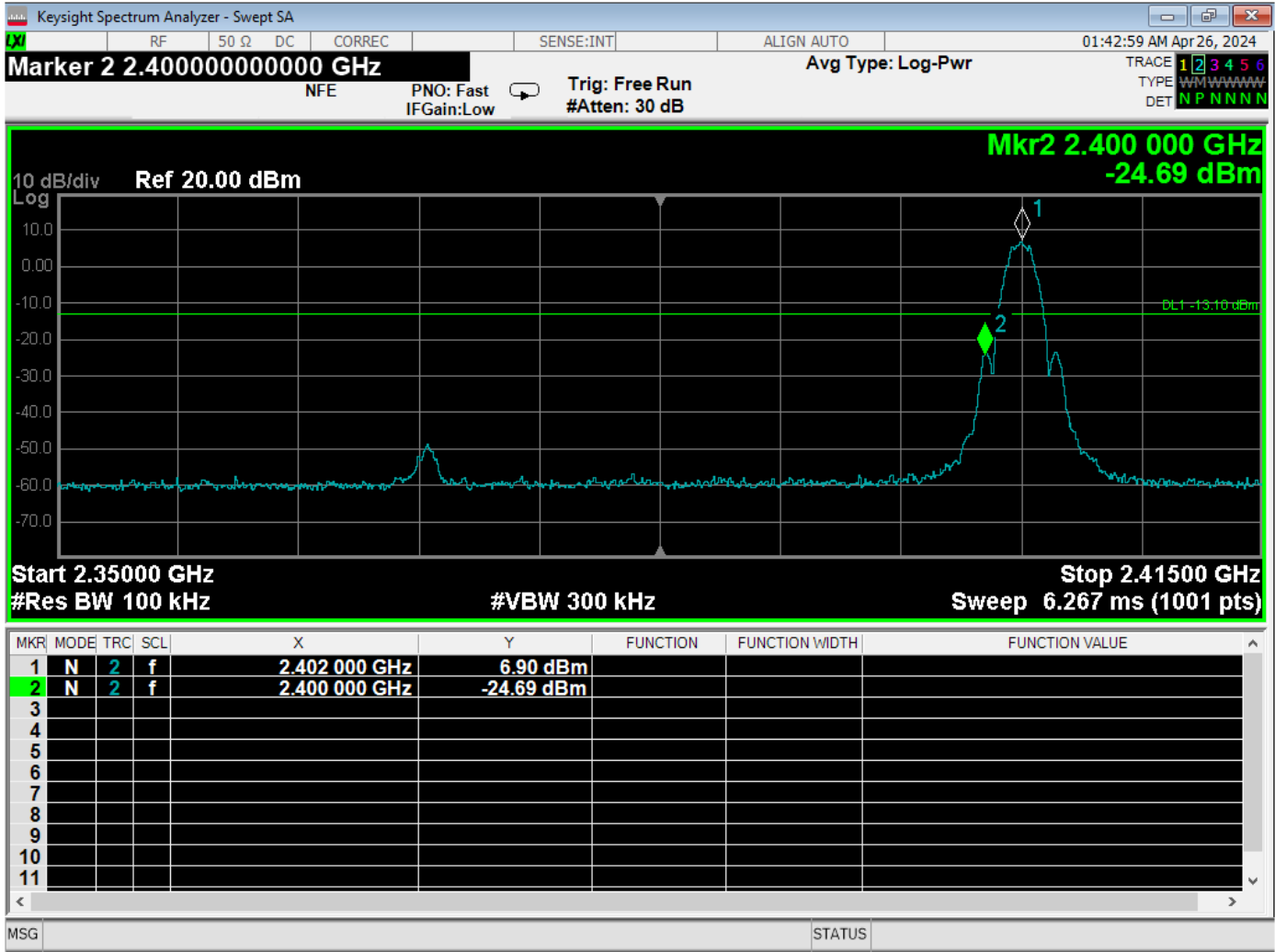


Band Edge – Low Channel – via Conducted – at 2400 MHz – 1 Mbit

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Band Edge – Low Channel – via Conducted – at 2400 MHz – 2 Mbit

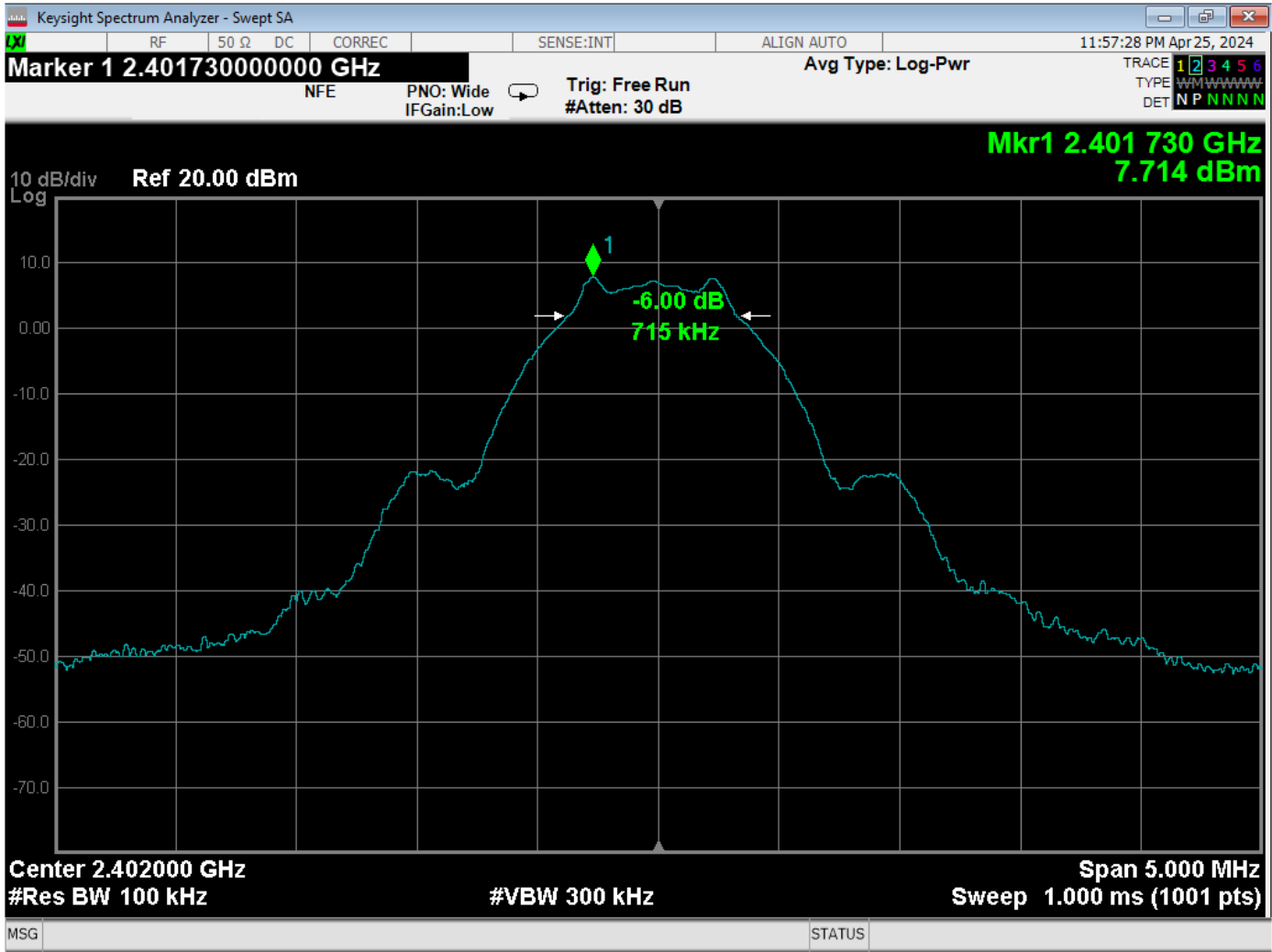
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***-6 dB BANDWIDTH
DATA SHEETS***

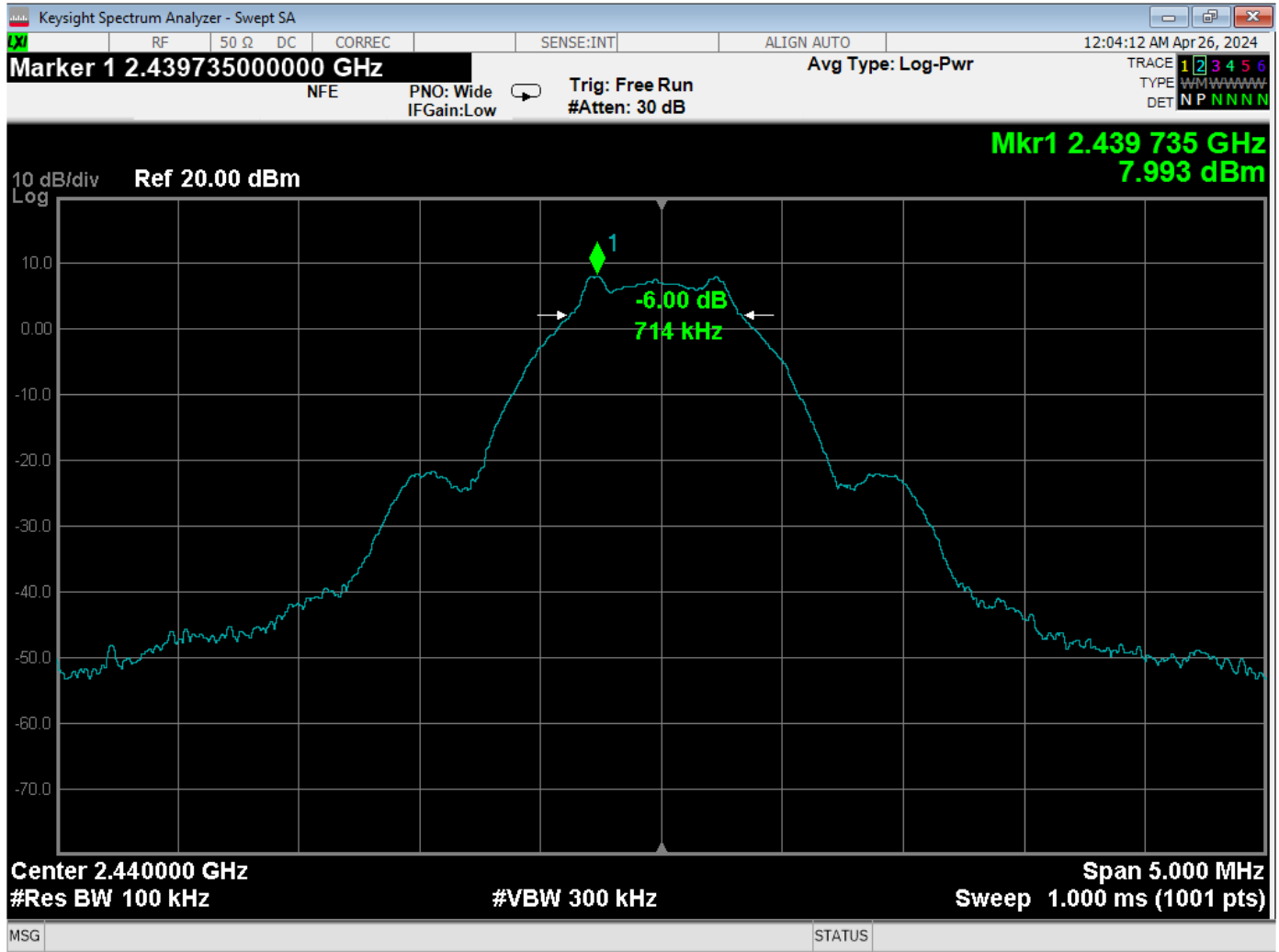


-6 dB Bandwidth – Low Channel – BLE Mode – 1 Mbit

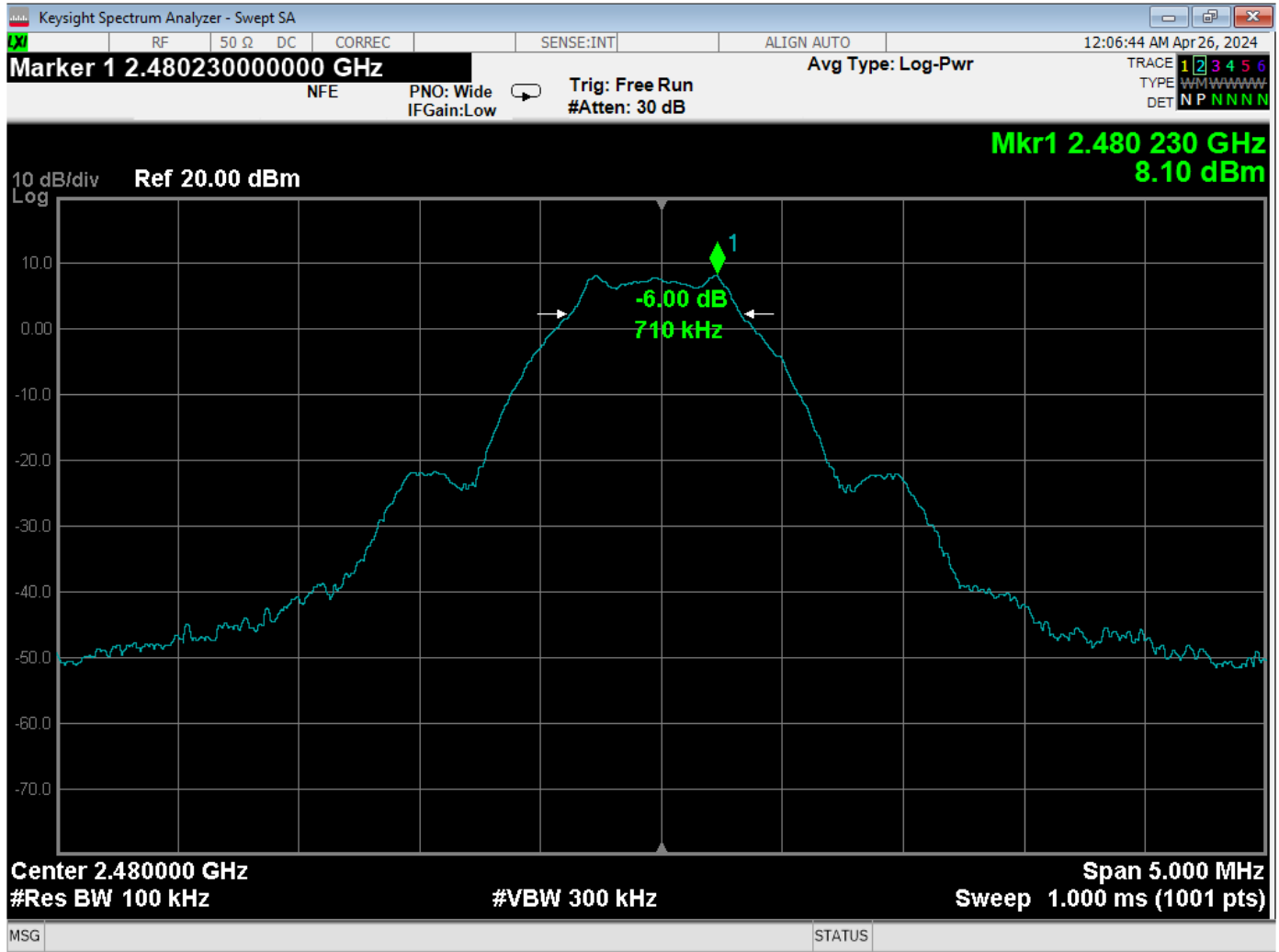
Brea Division
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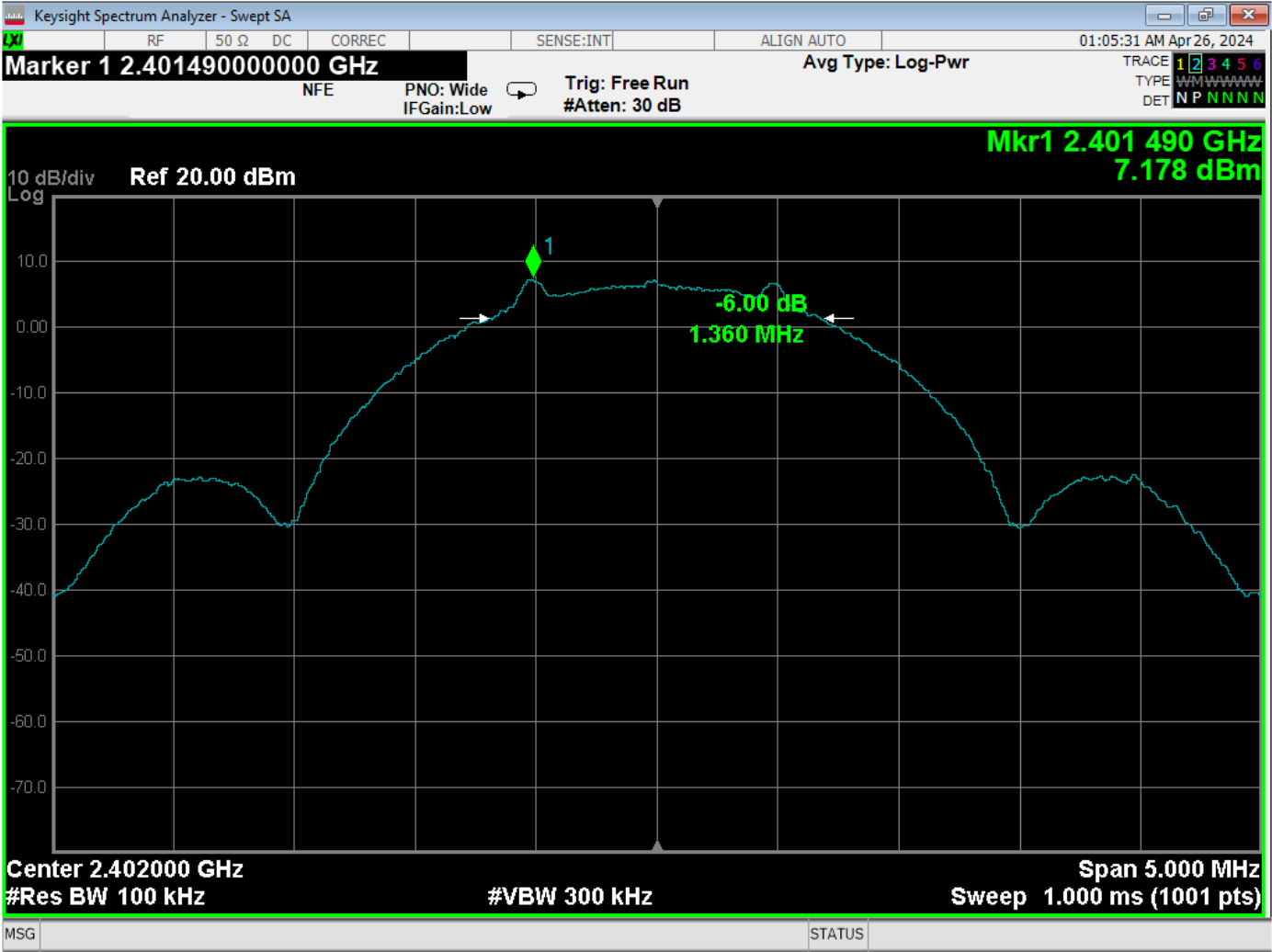
Newbury Park Division
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-6 dB Bandwidth – Middle Channel – BLE Mode – 1 Mbit



-6 dB Bandwidth – High Channel – BLE Mode – 1 Mbit

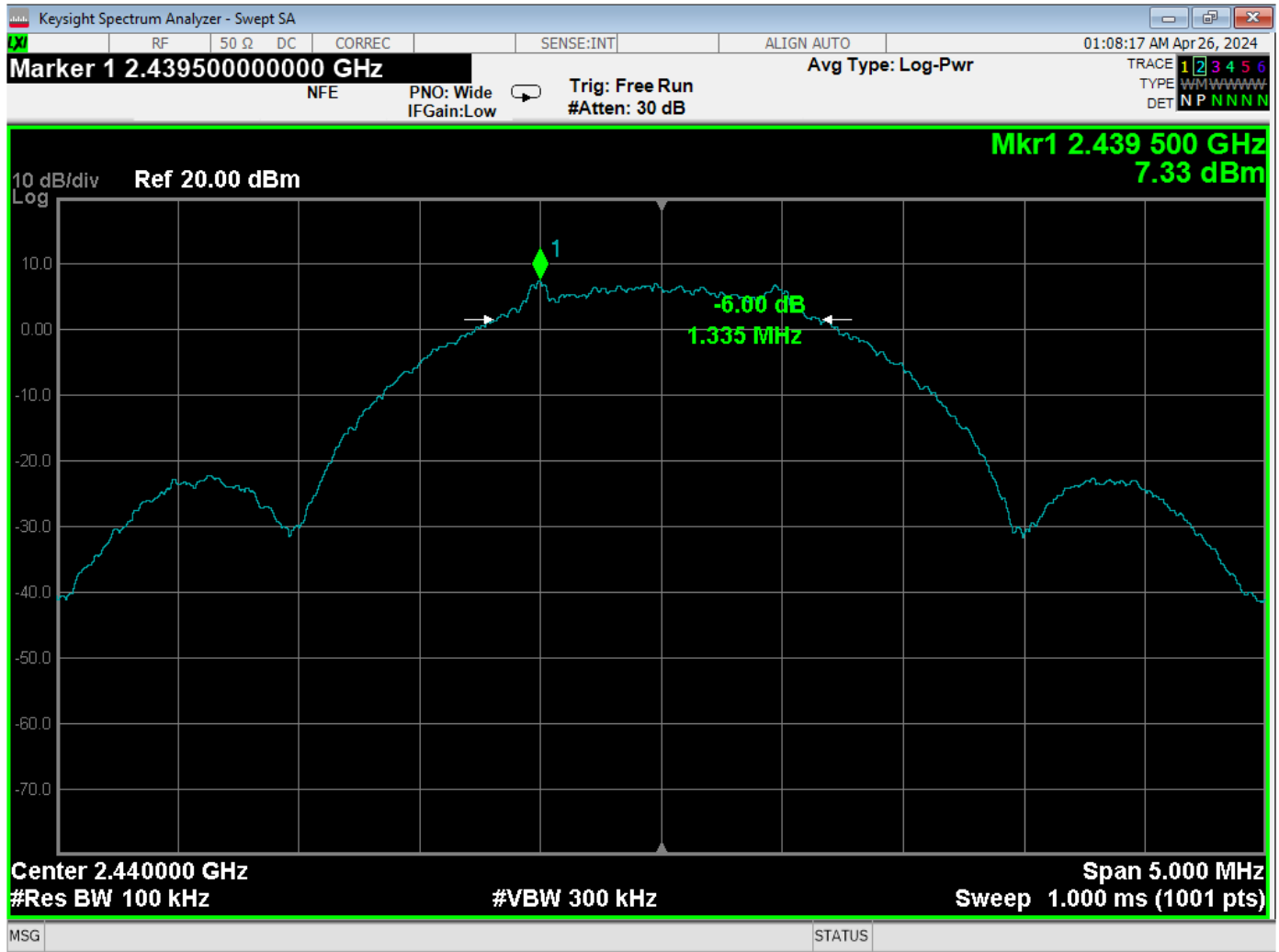


-6 dB Bandwidth – Low Channel – BLE Mode – 2 Mbit

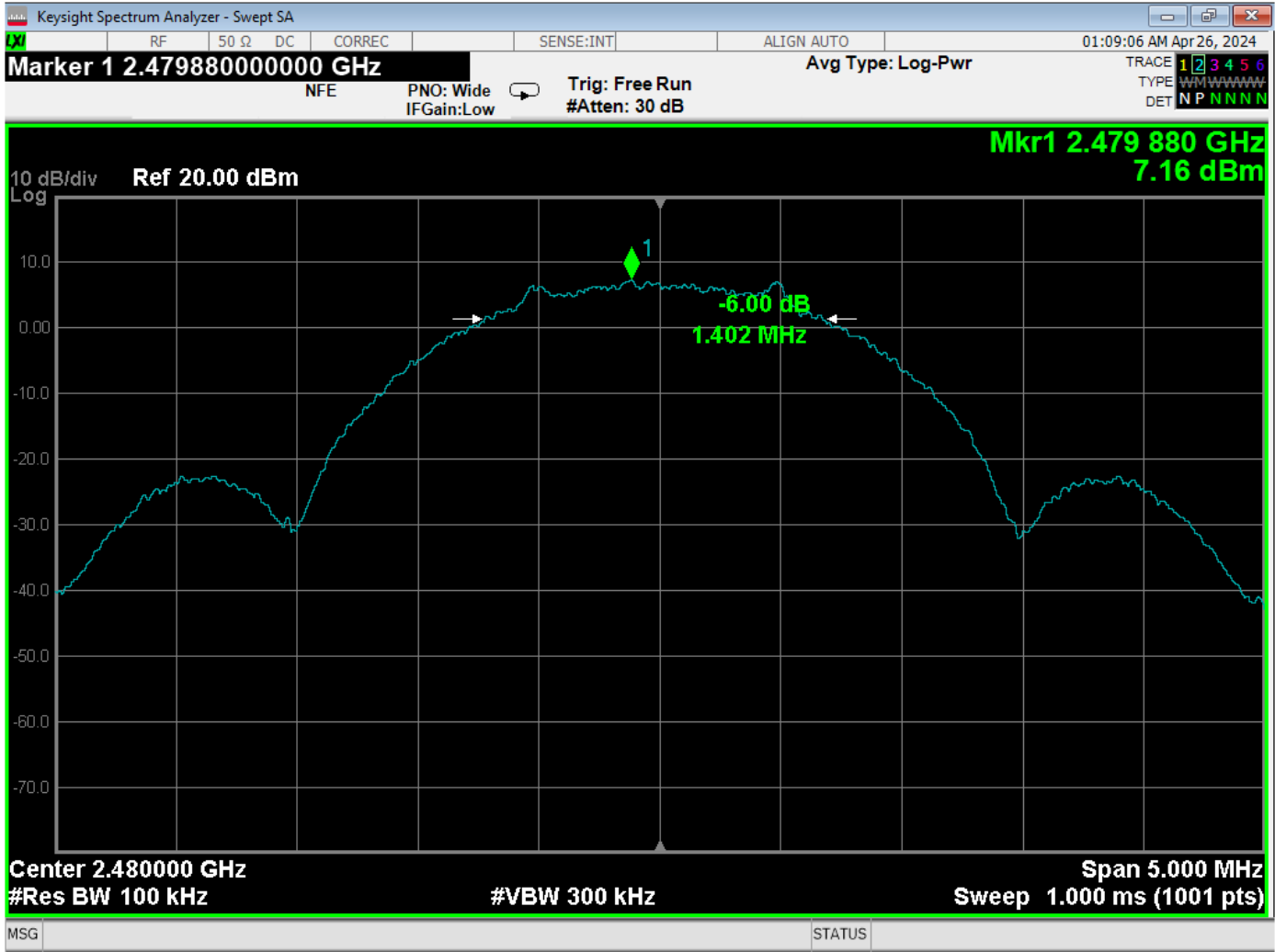
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-6 dB Bandwidth – Middle Channel – BLE Mode – 2 Mbit



-6 dB Bandwidth – High Channel – BLE Mode – 2 Mbit

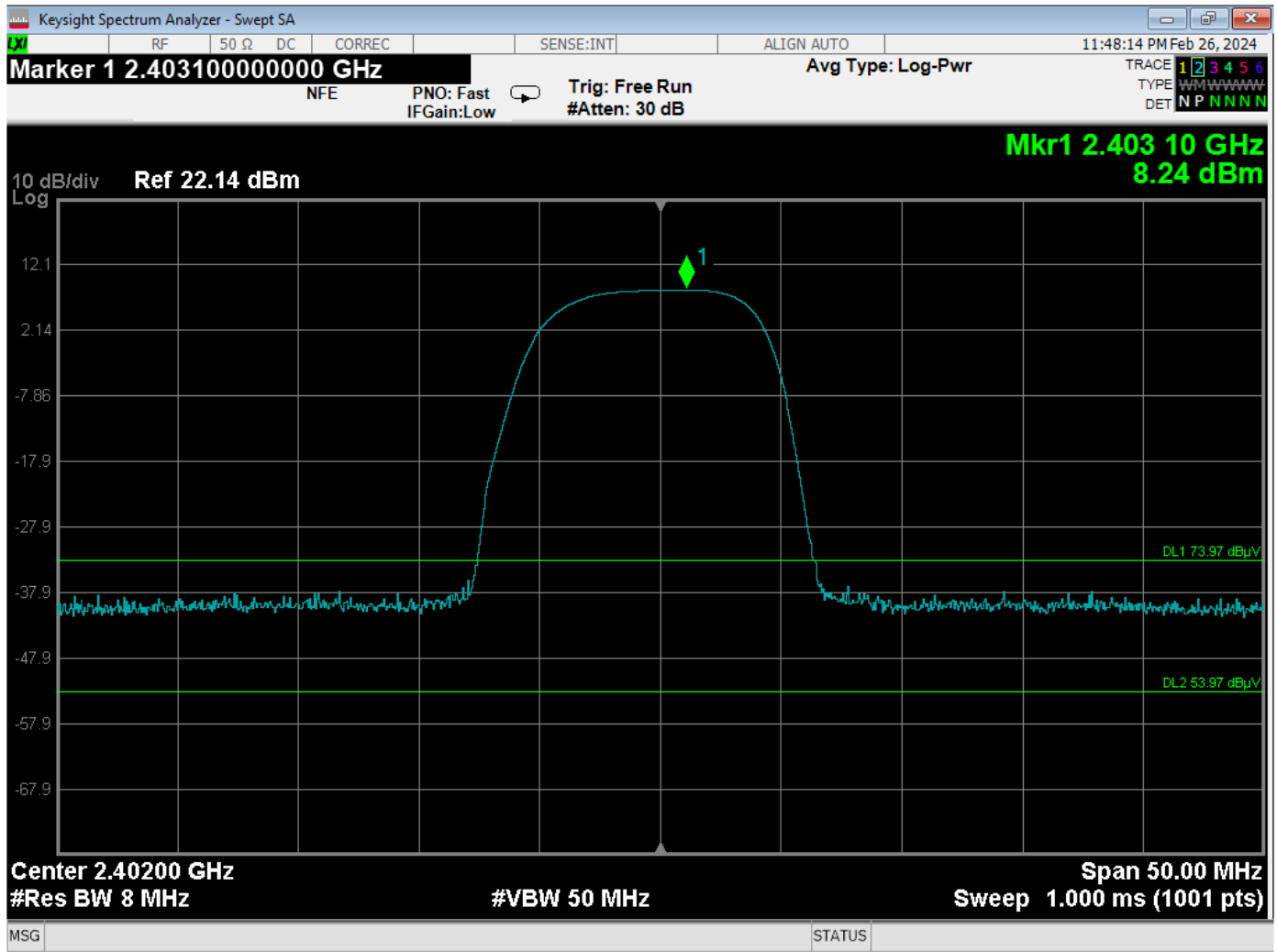
Brea Division
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Brea, CA 92823
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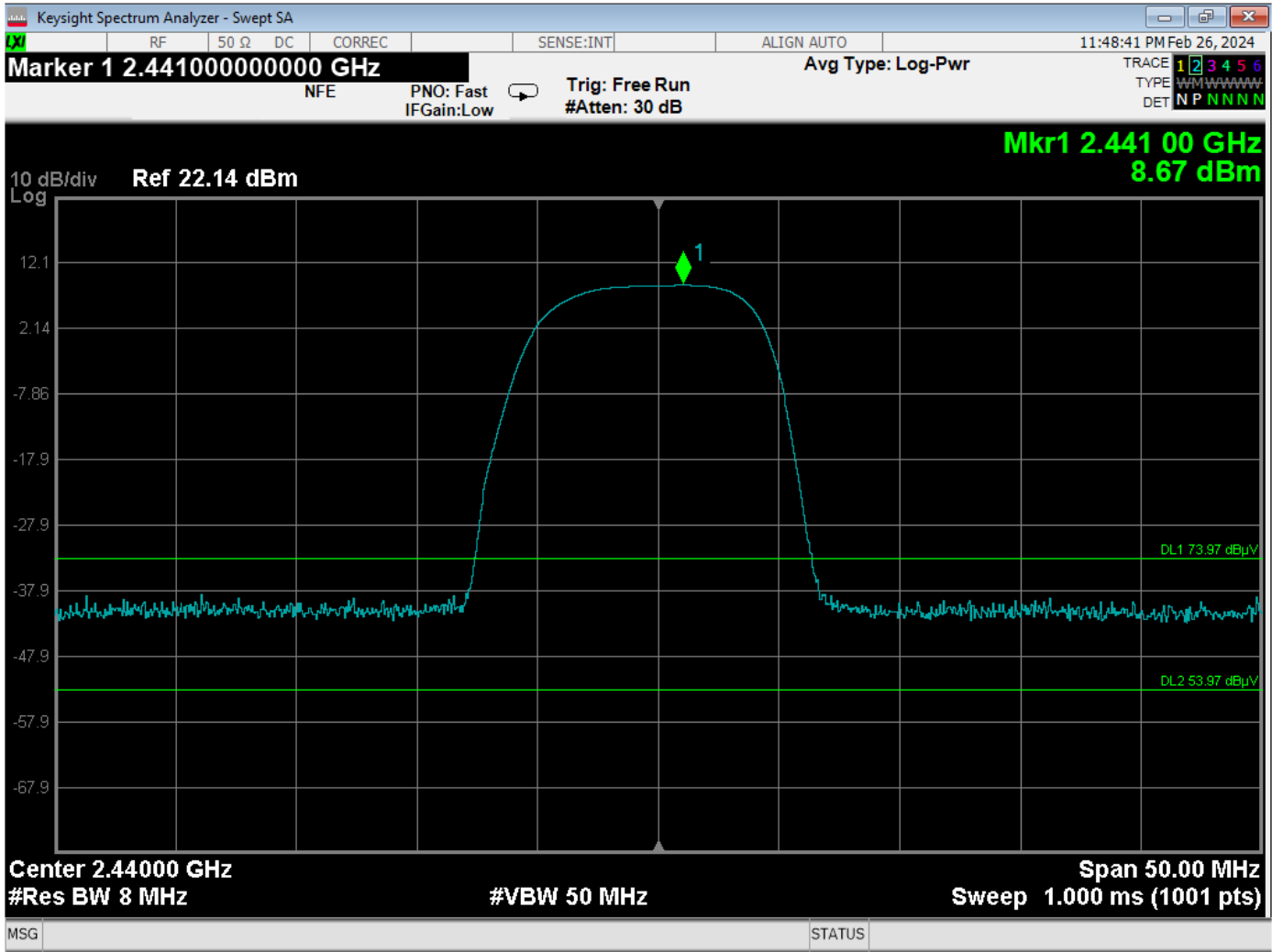
Newbury Park Division
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***PEAK POWER OUTPUT
DATA SHEETS***



Peak Power Output – Low Channel – BLE Mode – 1 Mbit

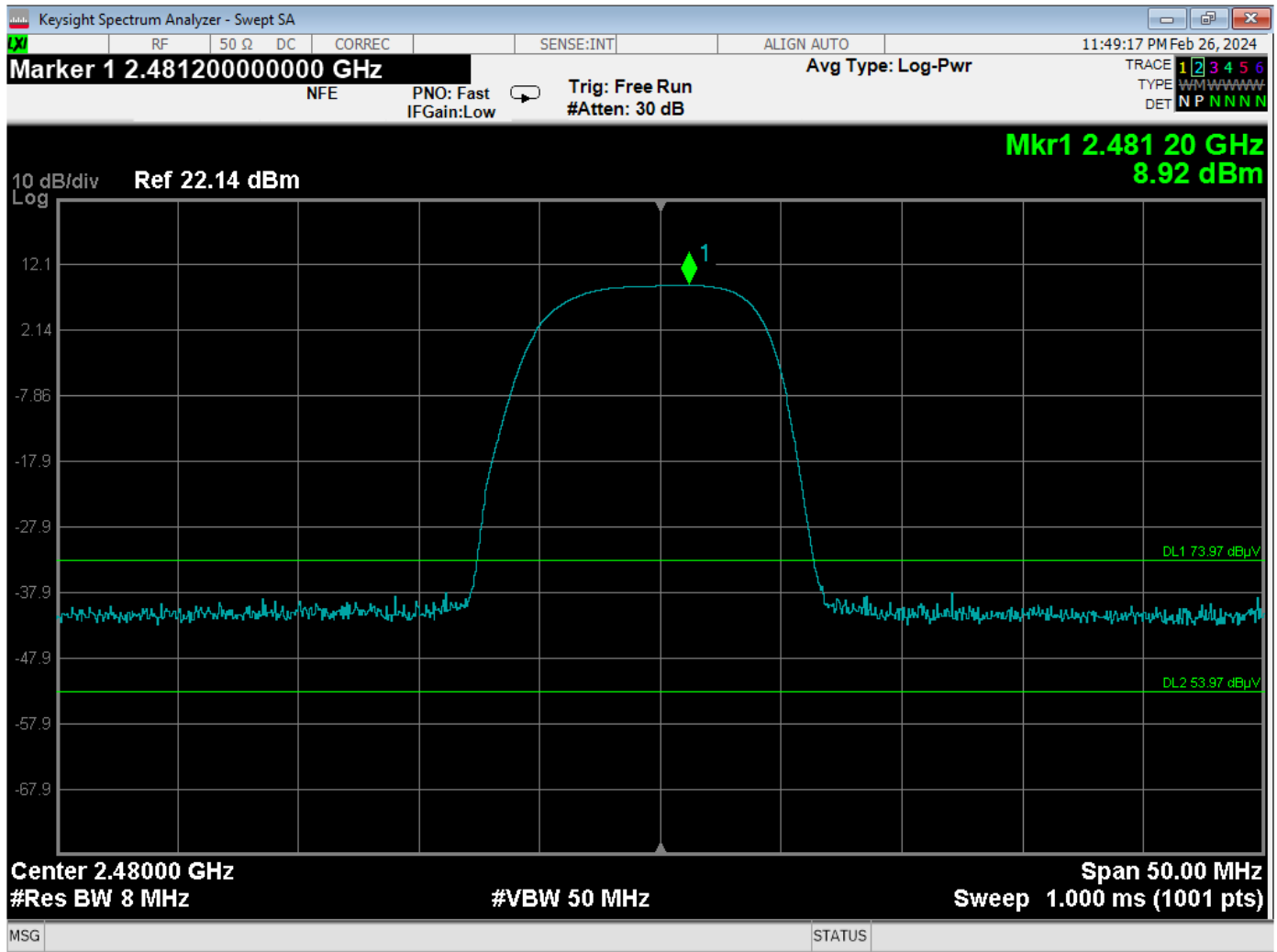


Peak Output Power – Middle Channel – BLE Mode – 1 Mbit

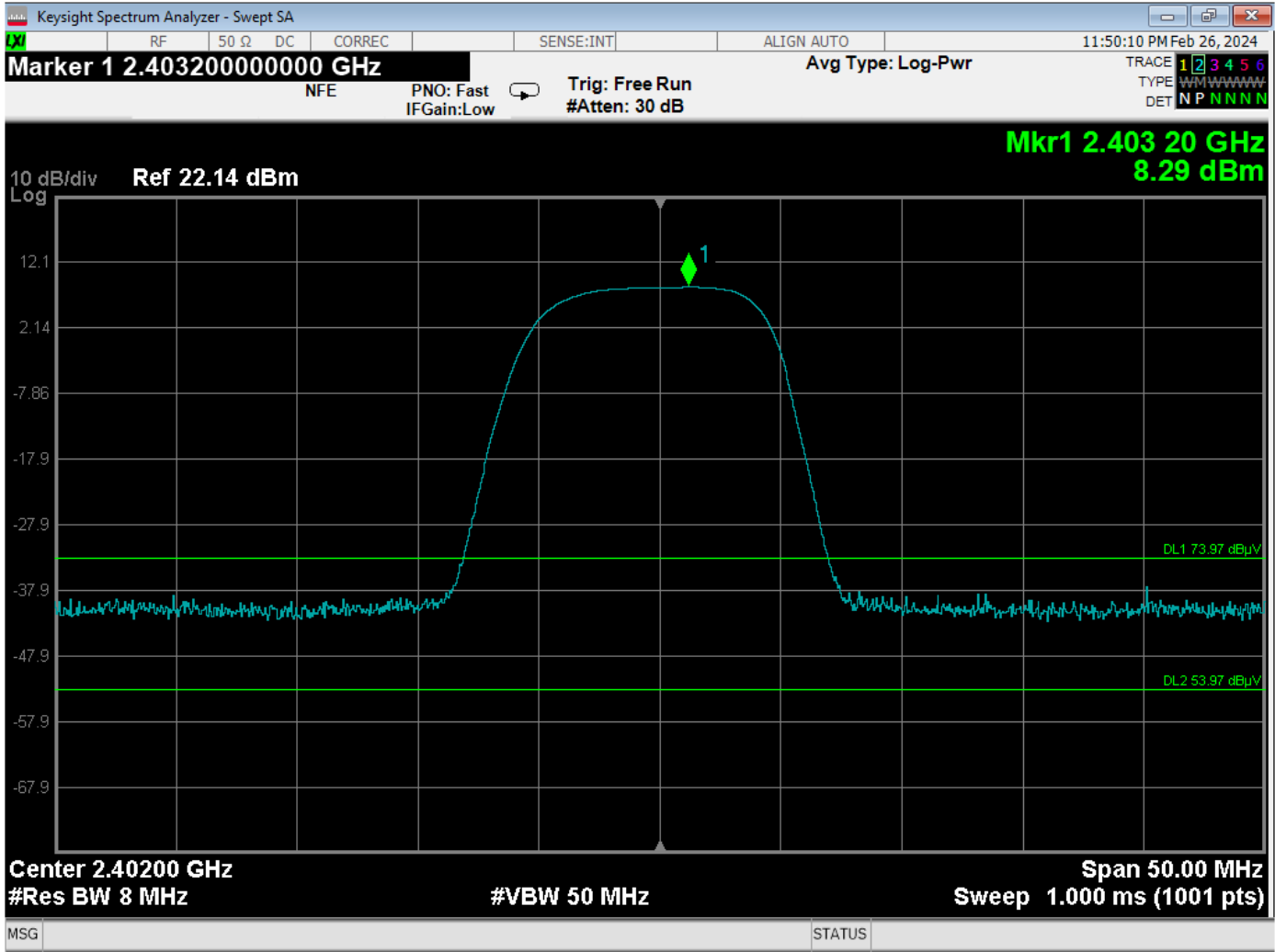
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Lake Forest Division
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Peak Output Power – High Channel – BLE Mode – 1 Mbit

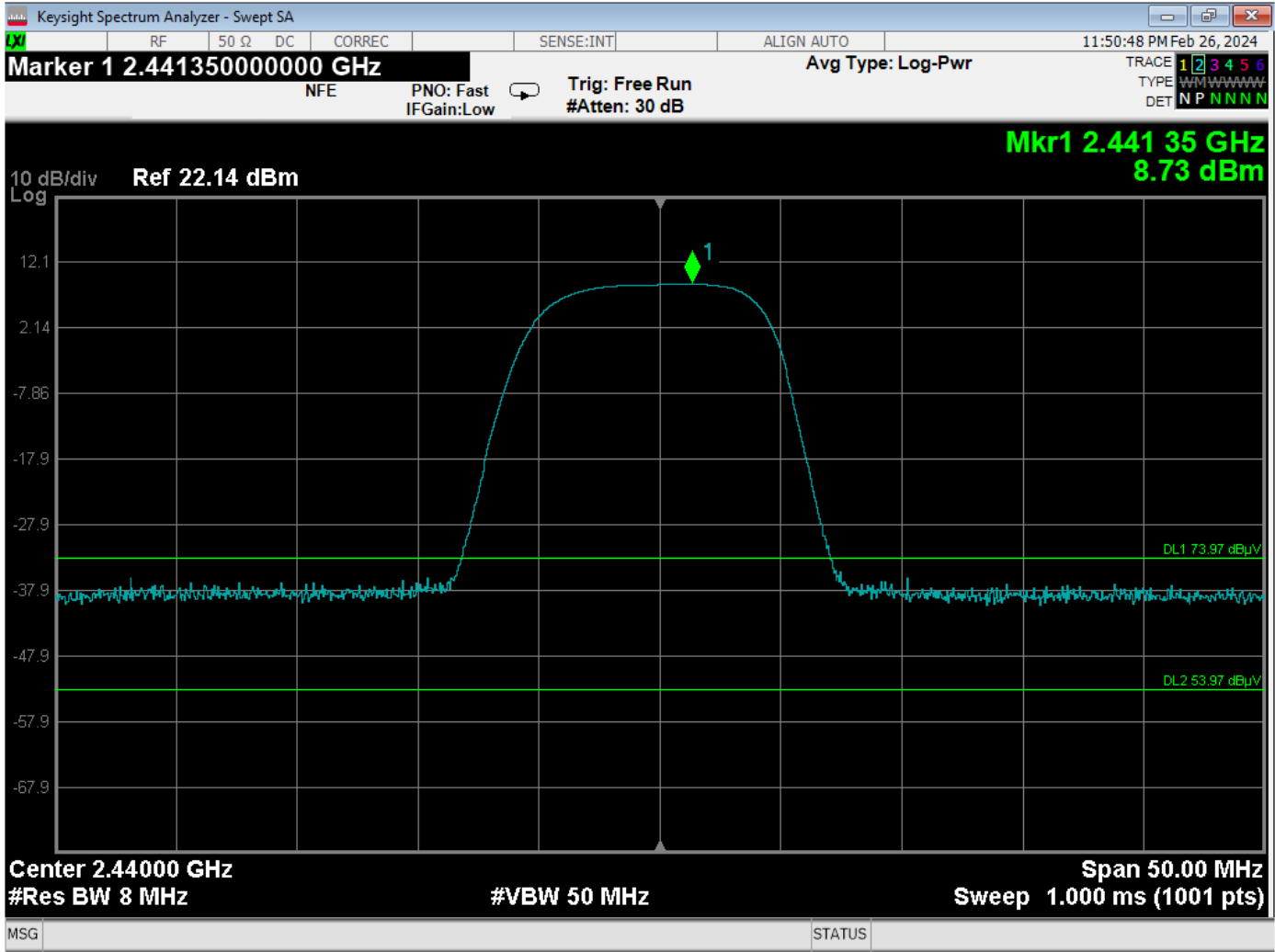


Peak Output Power – Low Channel – BLE Mode – 2 Mbit

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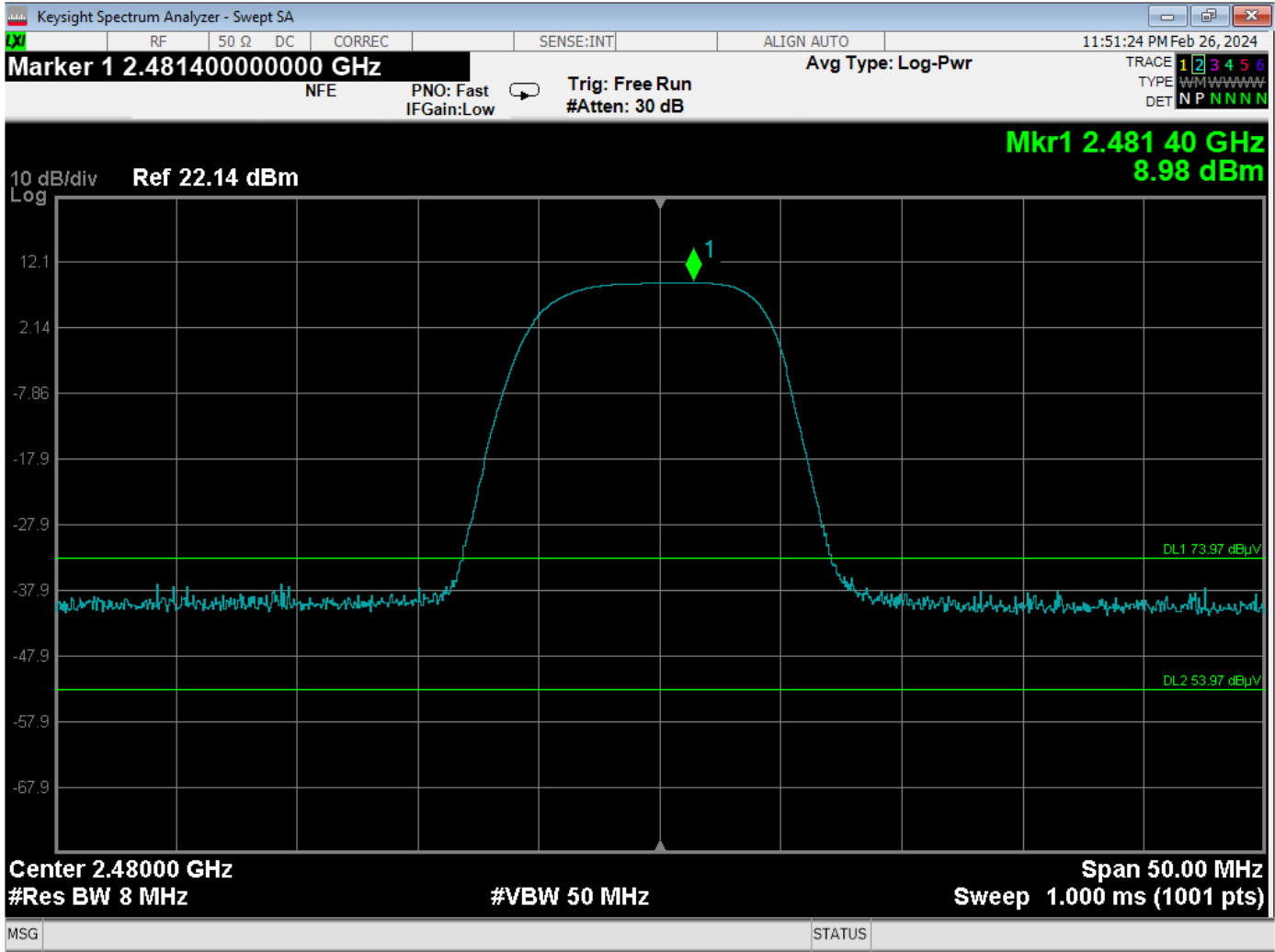


Peak Output Power – Middle Channel – BLE Mode – 2 Mbit

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Peak Output Power – High Channel – BLE Mode – 2 Mbit

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UNIVERSAL ELECTRONICS, INC.

EOS VALUE REMOTE NUMBERLESS

MODEL: PR4-UQ

PEAK POWER OUTPUT – 1 Mbit

FREQUENCY (MHz)	LEVEL (dBm)	Limit* (dBm)	Margin (dB)
2402	8.24	30.00	-21.76
2440	8.67	30.00	-21.33
2480	8.92	30.00	-21.08

UNIVERSAL ELECTRONICS, INC.

EOS VALUE REMOTE NUMBERLESS

MODEL: PR4-UQ

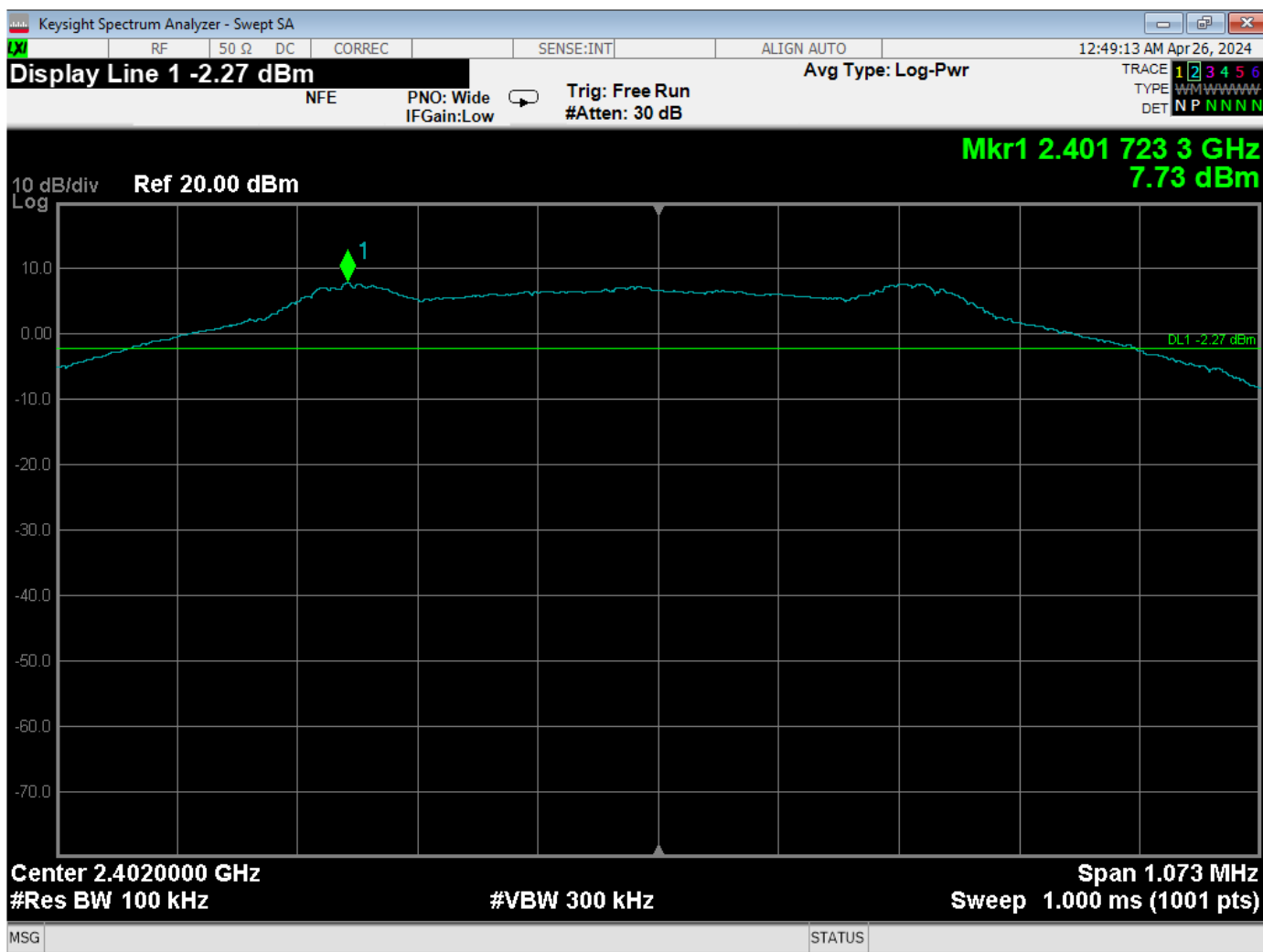
PEAK POWER OUTPUT – 2 Mbit

FREQUENCY (MHz)	LEVEL (dBm)	Limit* (dBm)	Margin (dB)
2402	8.29	30.00	-21.71
2440	8.73	30.00	-21.27
2480	8.98	30.00	-21.02

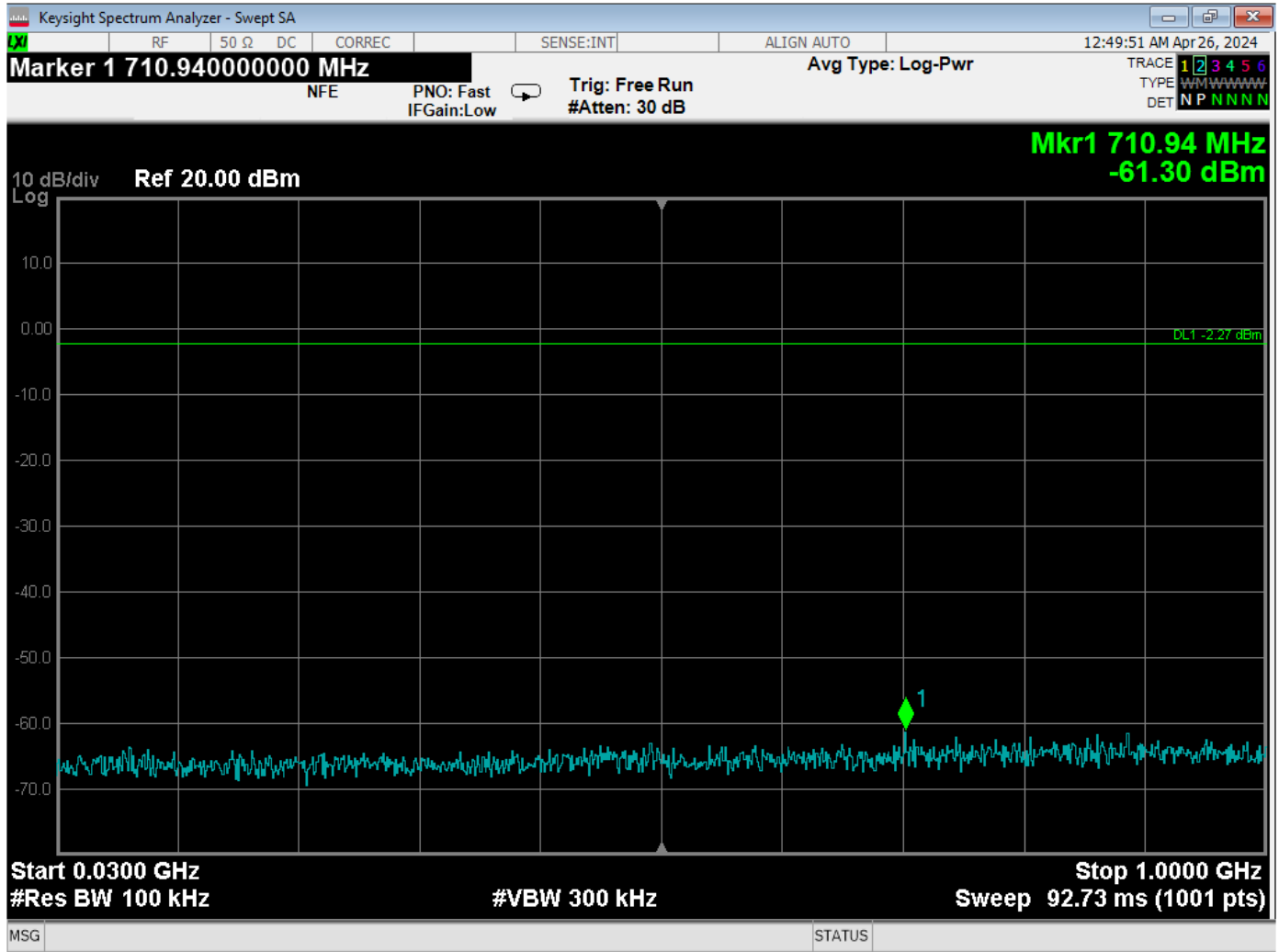


RF ANTENNA CONDUCTED

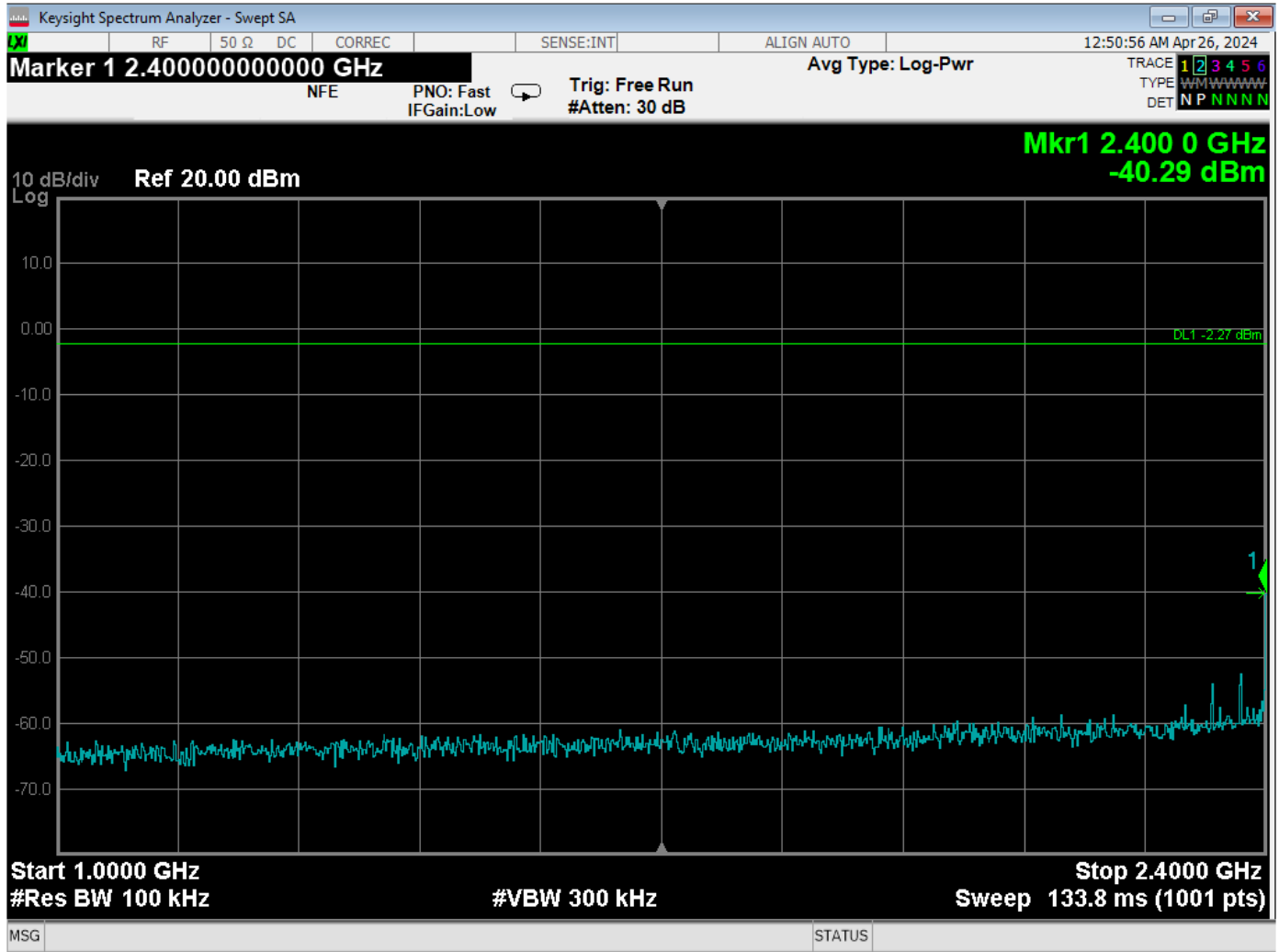
DATA SHEETS



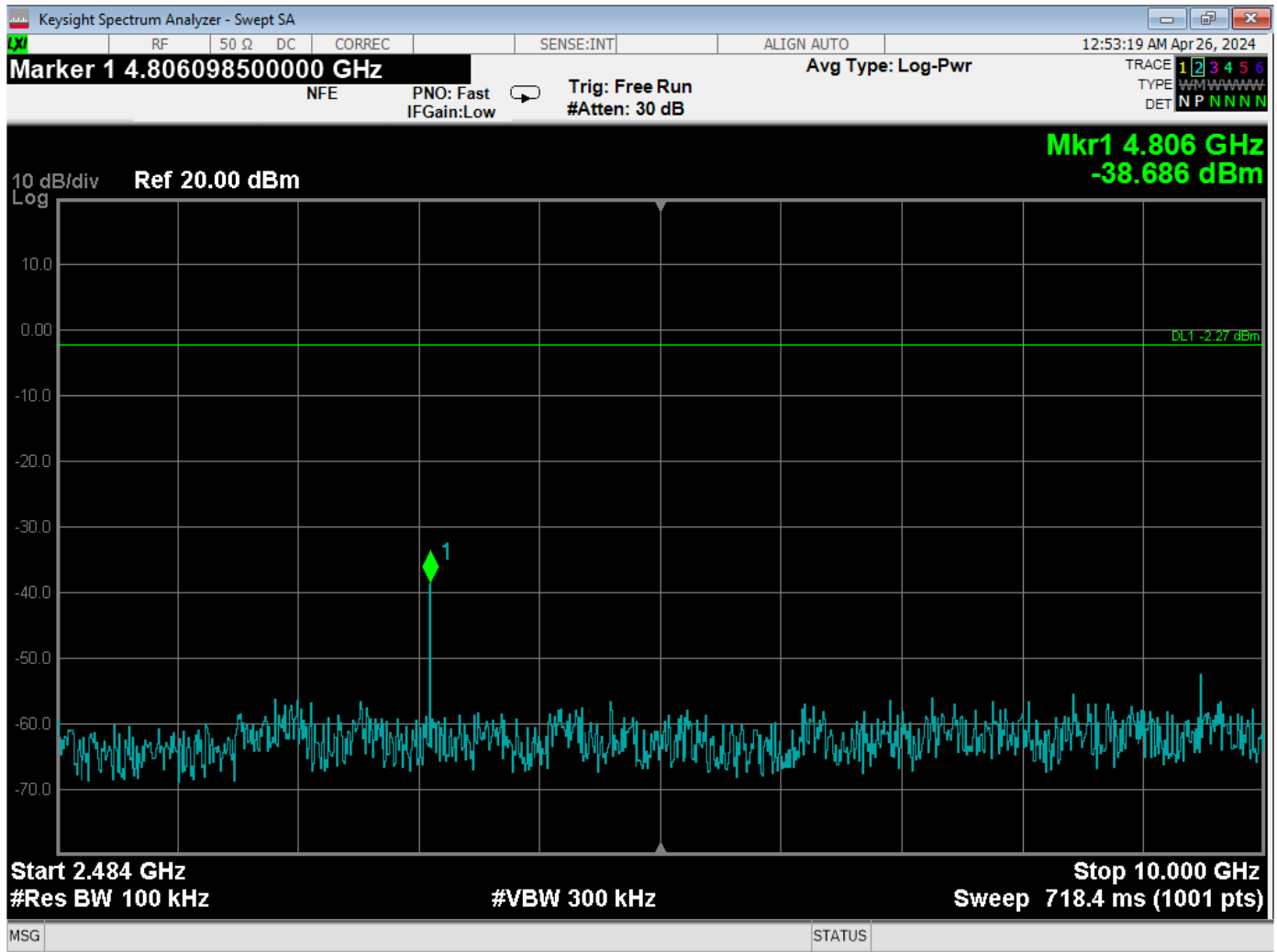
RF Antenna Conducted – Low Channel – BLE Mode – 1 Mbit – Reference Level



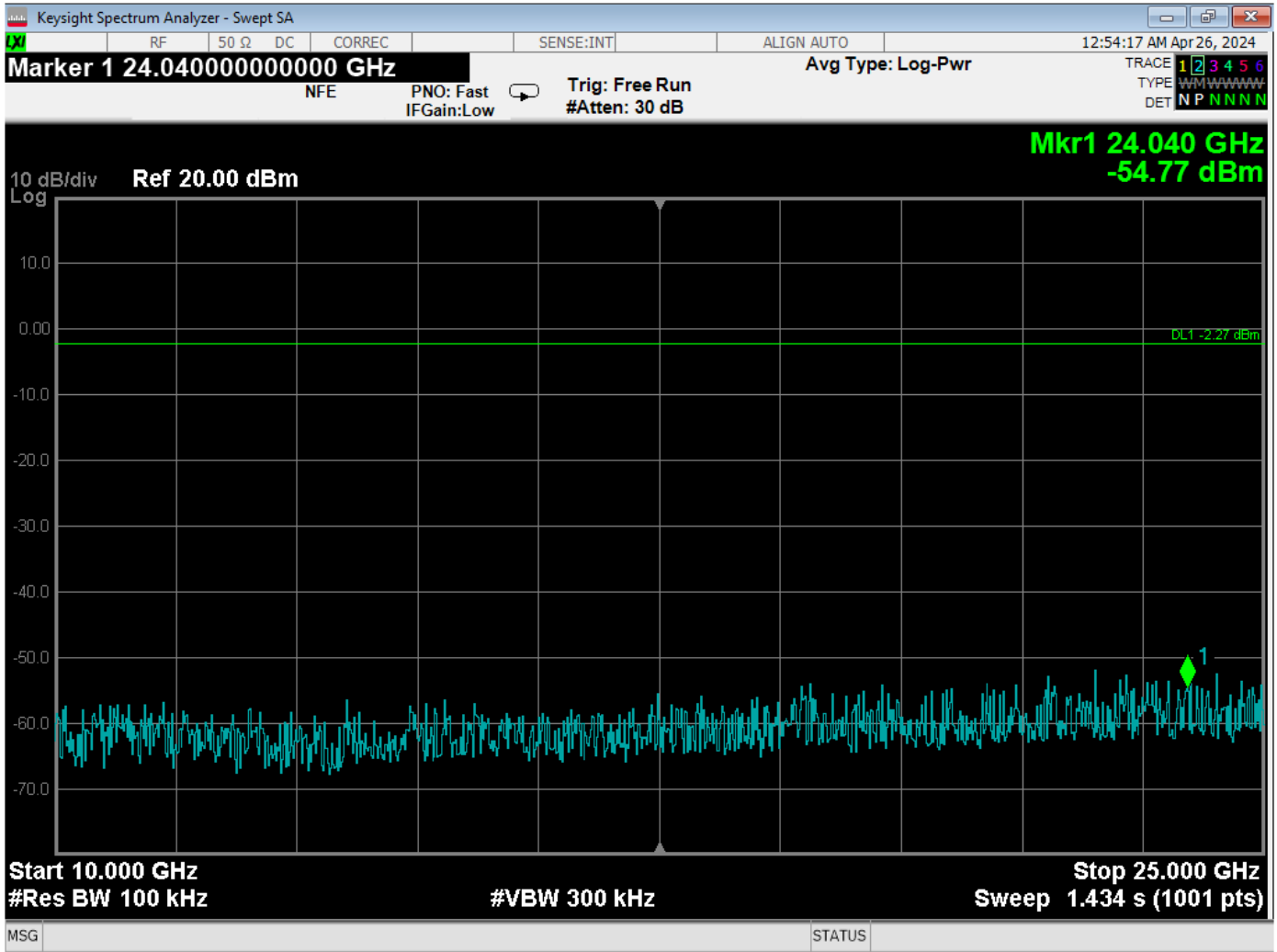
RF Antenna Conducted – Low Channel – BLE Mode – 1 Mbit – 30 MHz to 1 GHz



RF Antenna Conducted – Low Channel – BLE Mode – 1 Mbit – 1 GHz to 2.4 GHz



RF Antenna Conducted – Low Channel – BLE Mode – 1 Mbit – 2483.5 MHz to 10 GHz

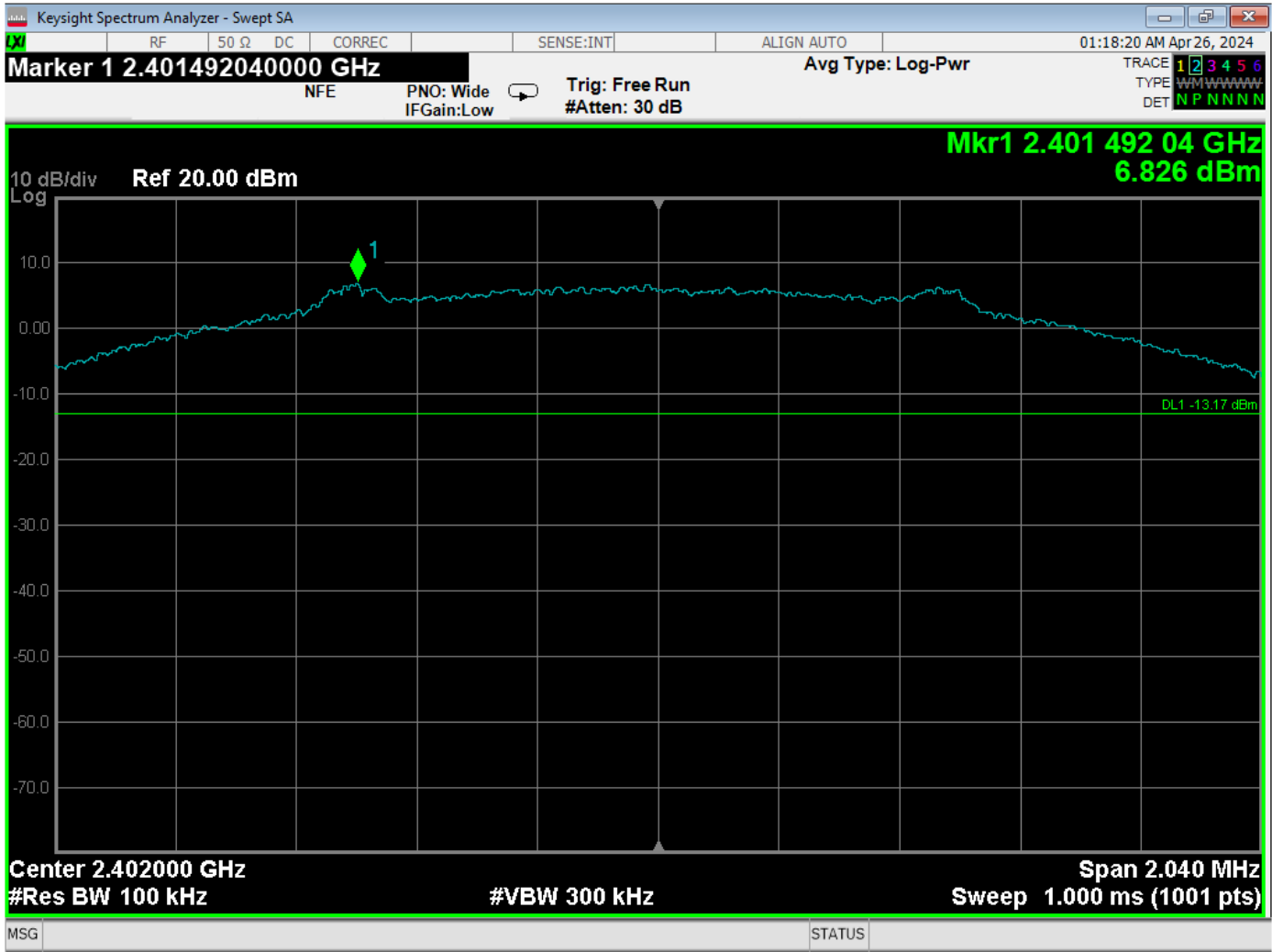


RF Antenna Conducted – Low Channel – BLE Mode – 1 Mbit – 10 GHz to 25 GHz

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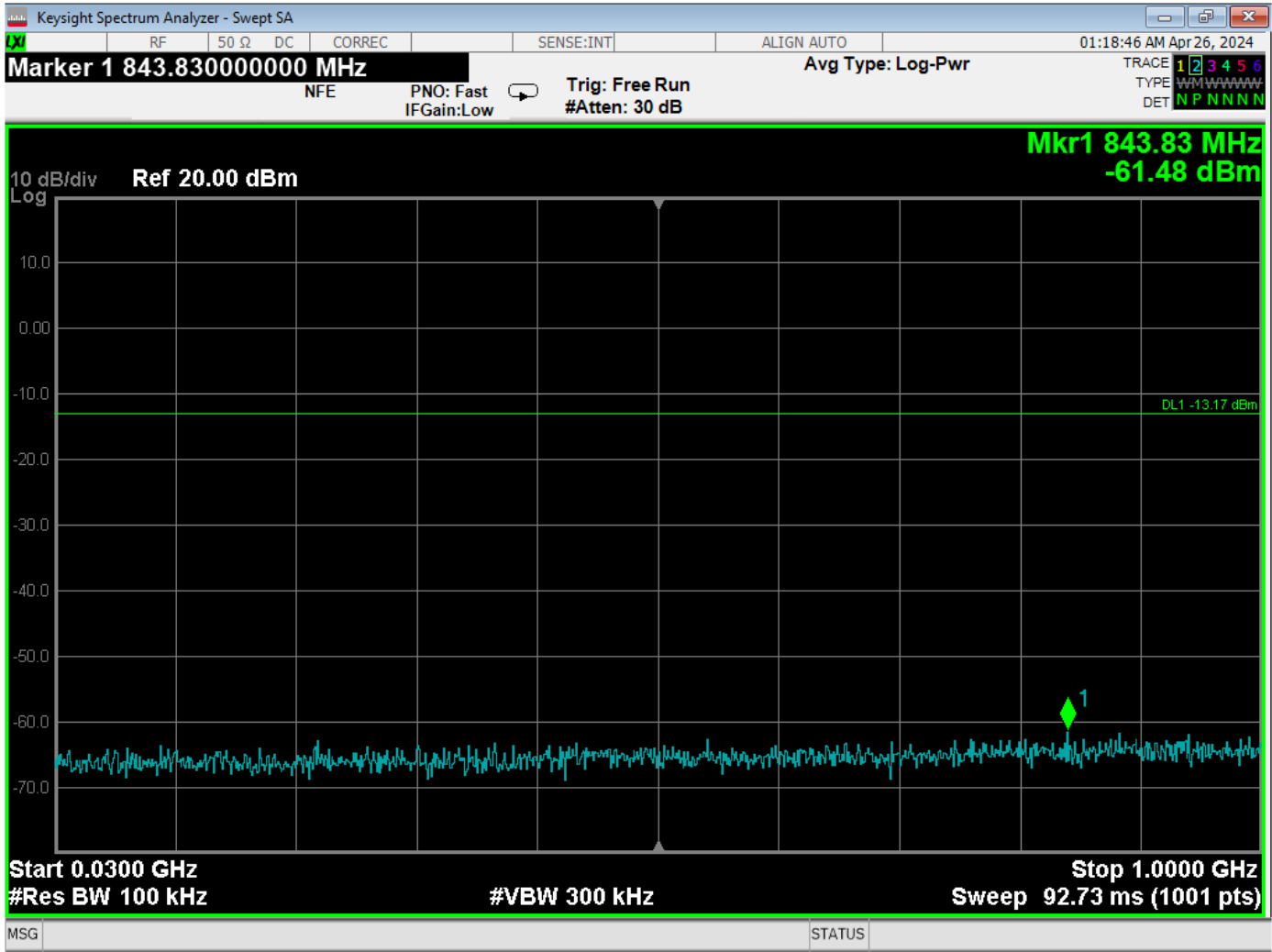


RF Antenna Conducted – Low Channel – BLE Mode – 2 Mbit – Reference Level

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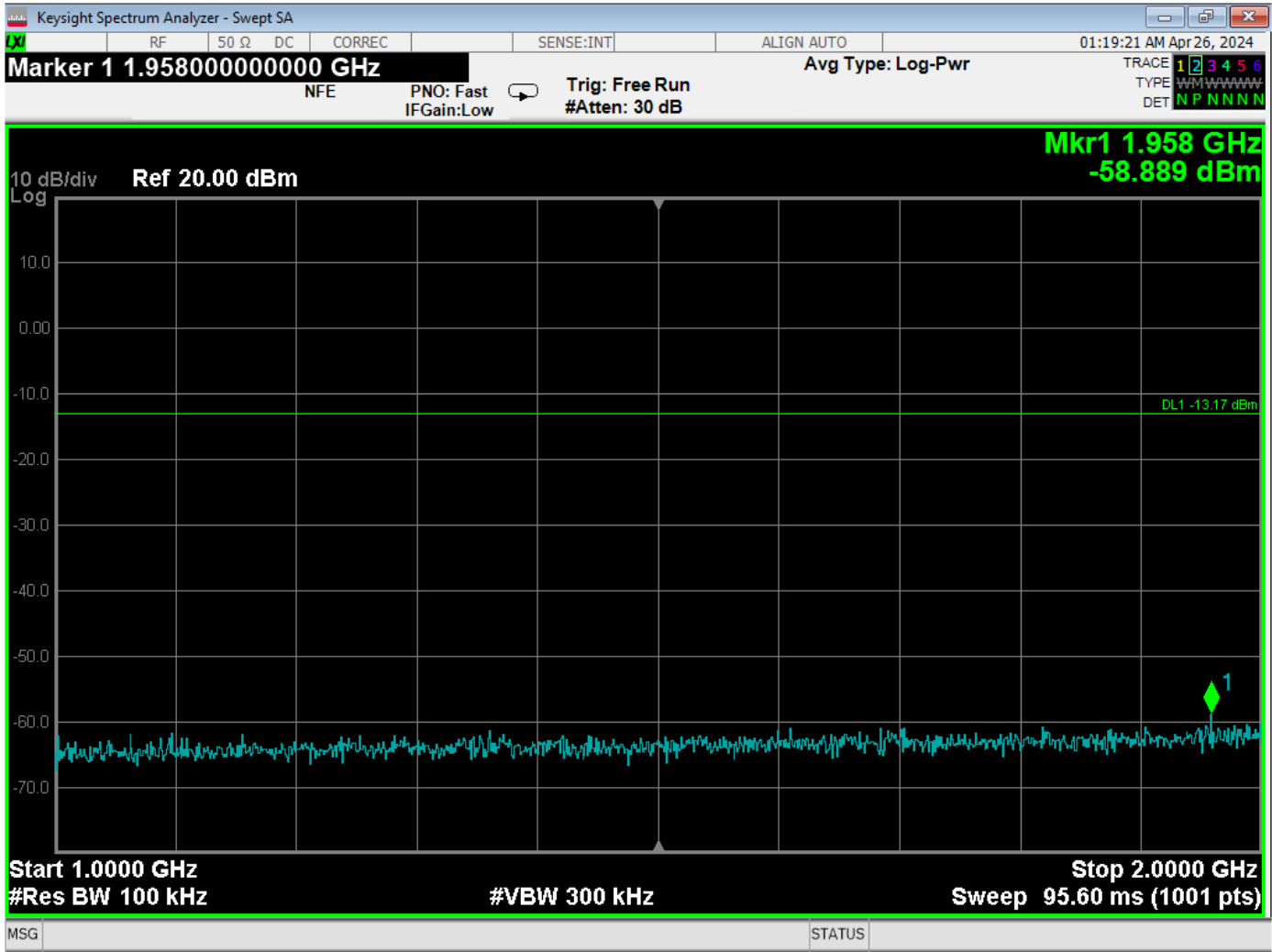


RF Antenna Conducted – Low Channel – BLE Mode – 2 Mbit – 30 MHz to 1 GHz

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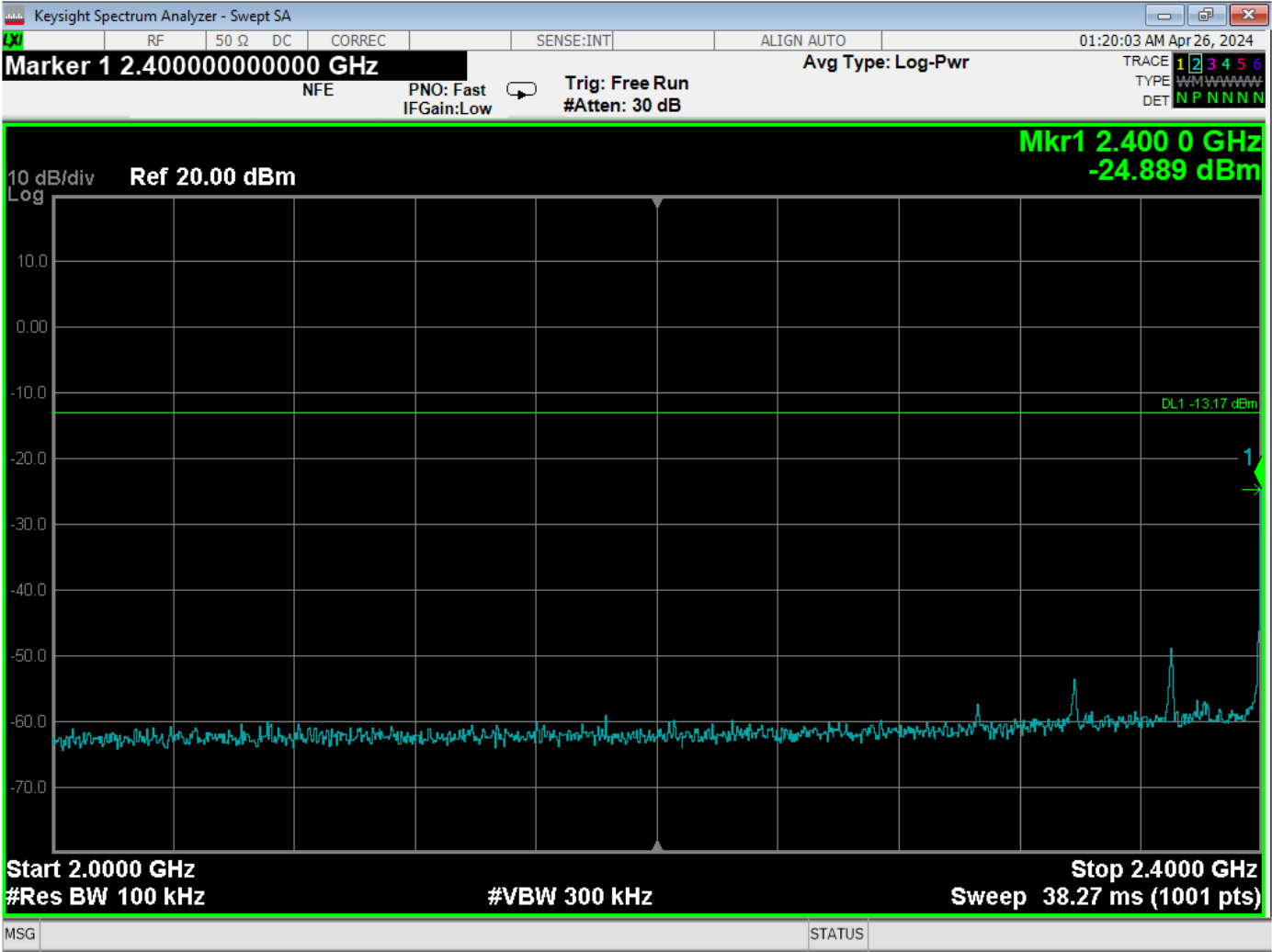


RF Antenna Conducted – Low Channel – BLE Mode – 2 Mbit – 1 GHz to 2 GHz

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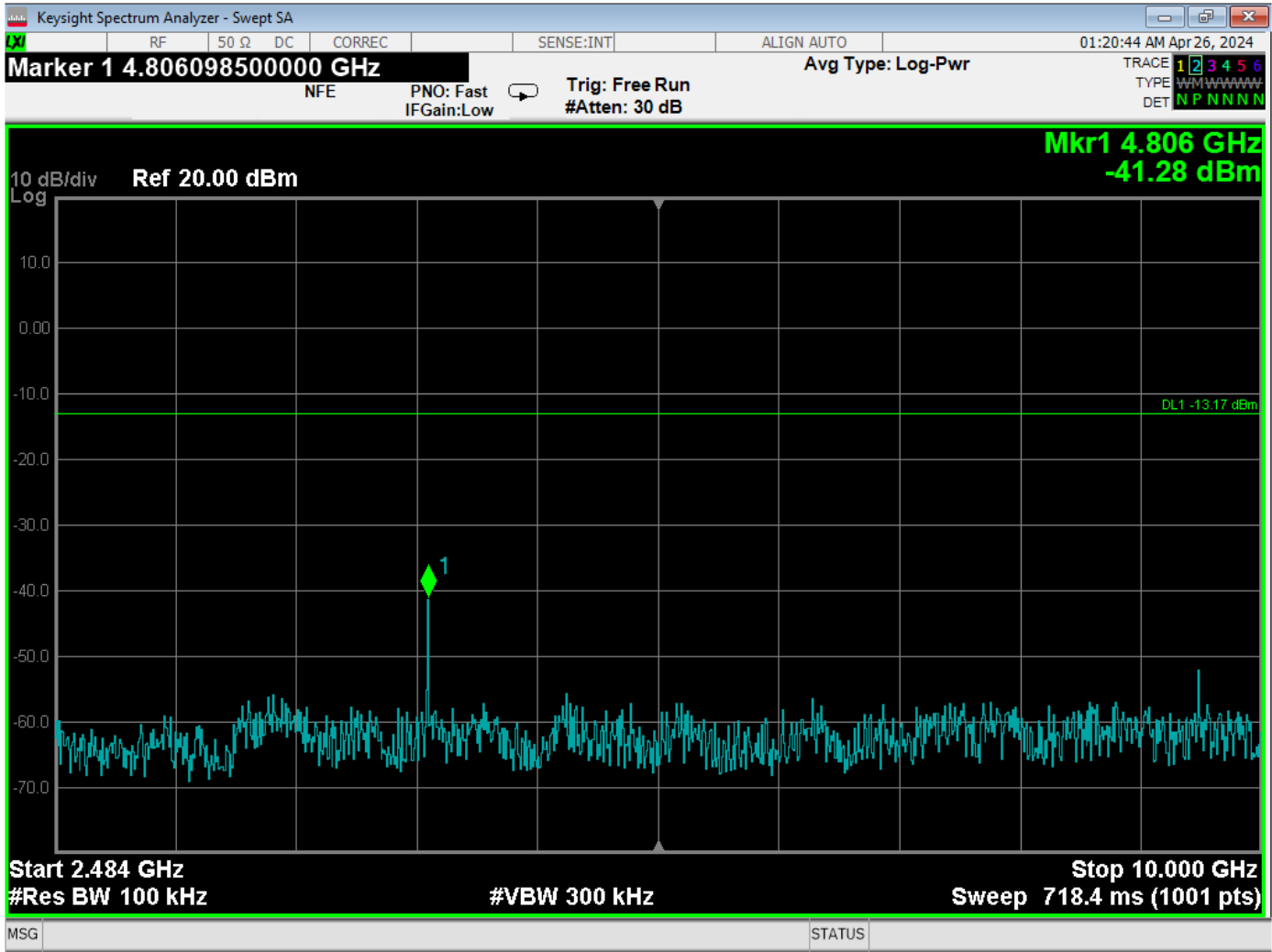


RF Antenna Conducted – Low Channel – BLE Mode – 2 Mbit – 2 GHz to 2400.00 MHz

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

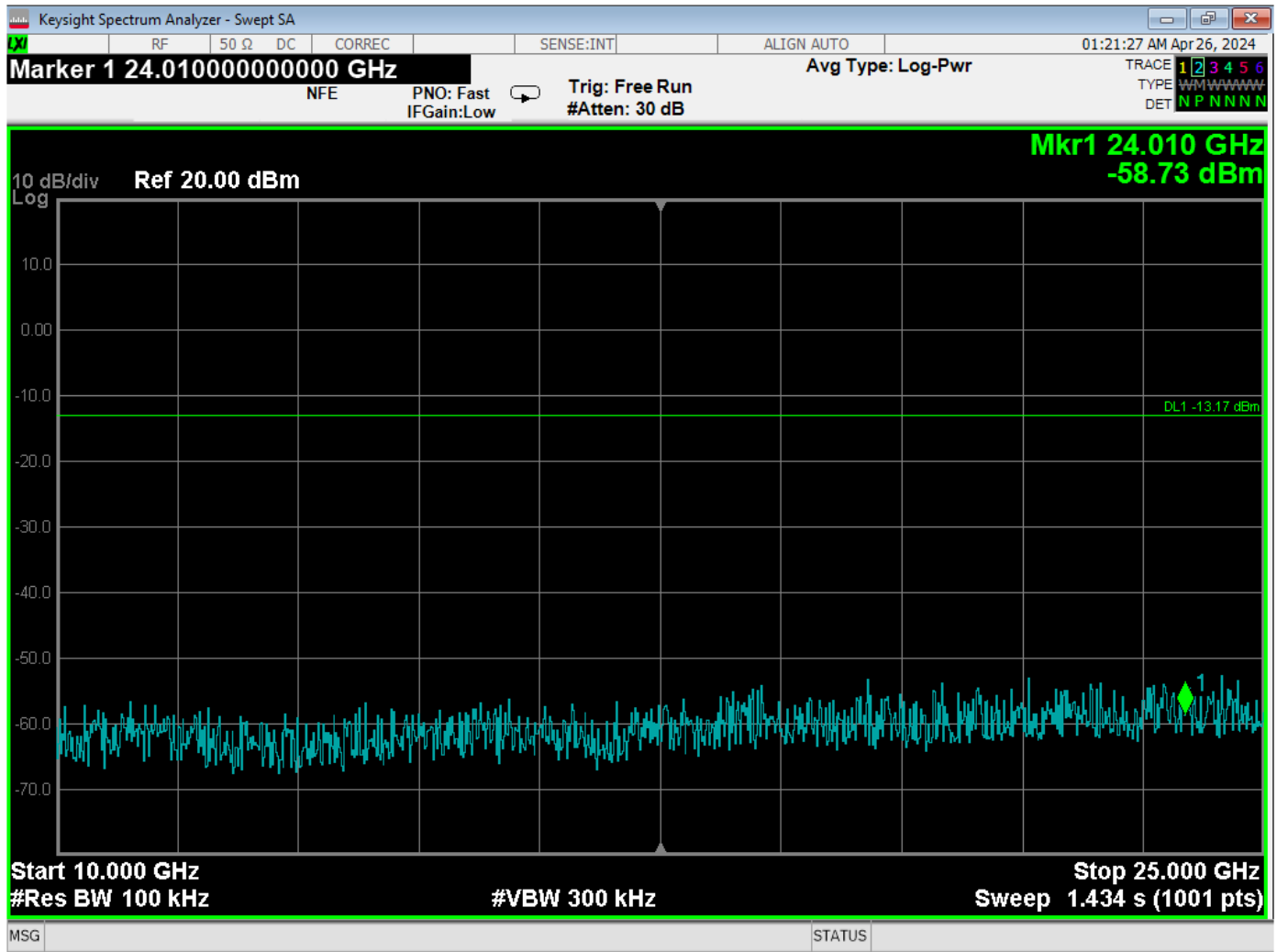


RF Antenna Conducted – Low Channel – BLE Mode – 2 Mbit – 2483.5 MHz to 10 GHz

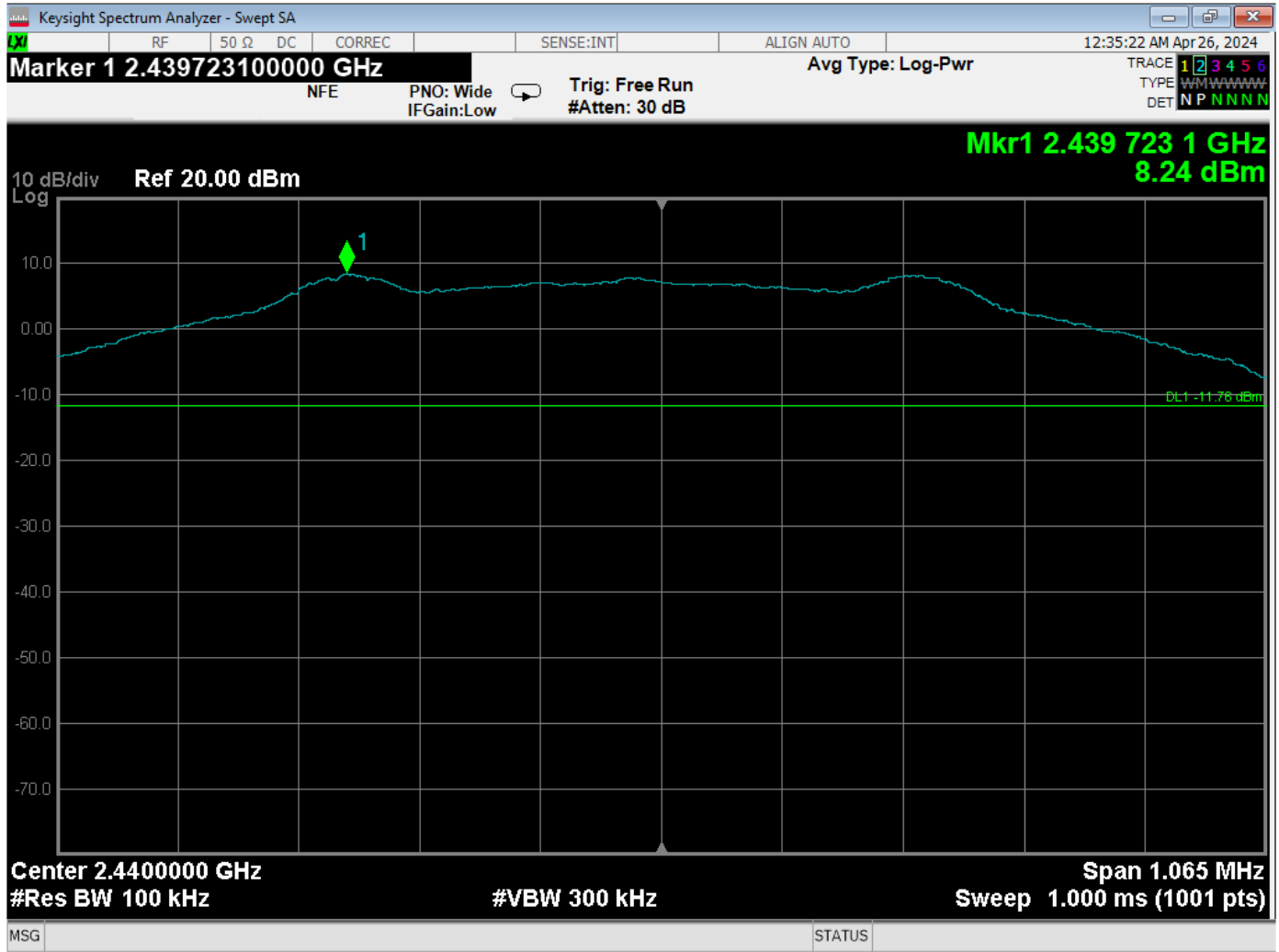
Brea Division
114 Olinda Drive
Brea, CA 92823
(714) 579-0500

Lake Forest Division
20621 Pascal Way
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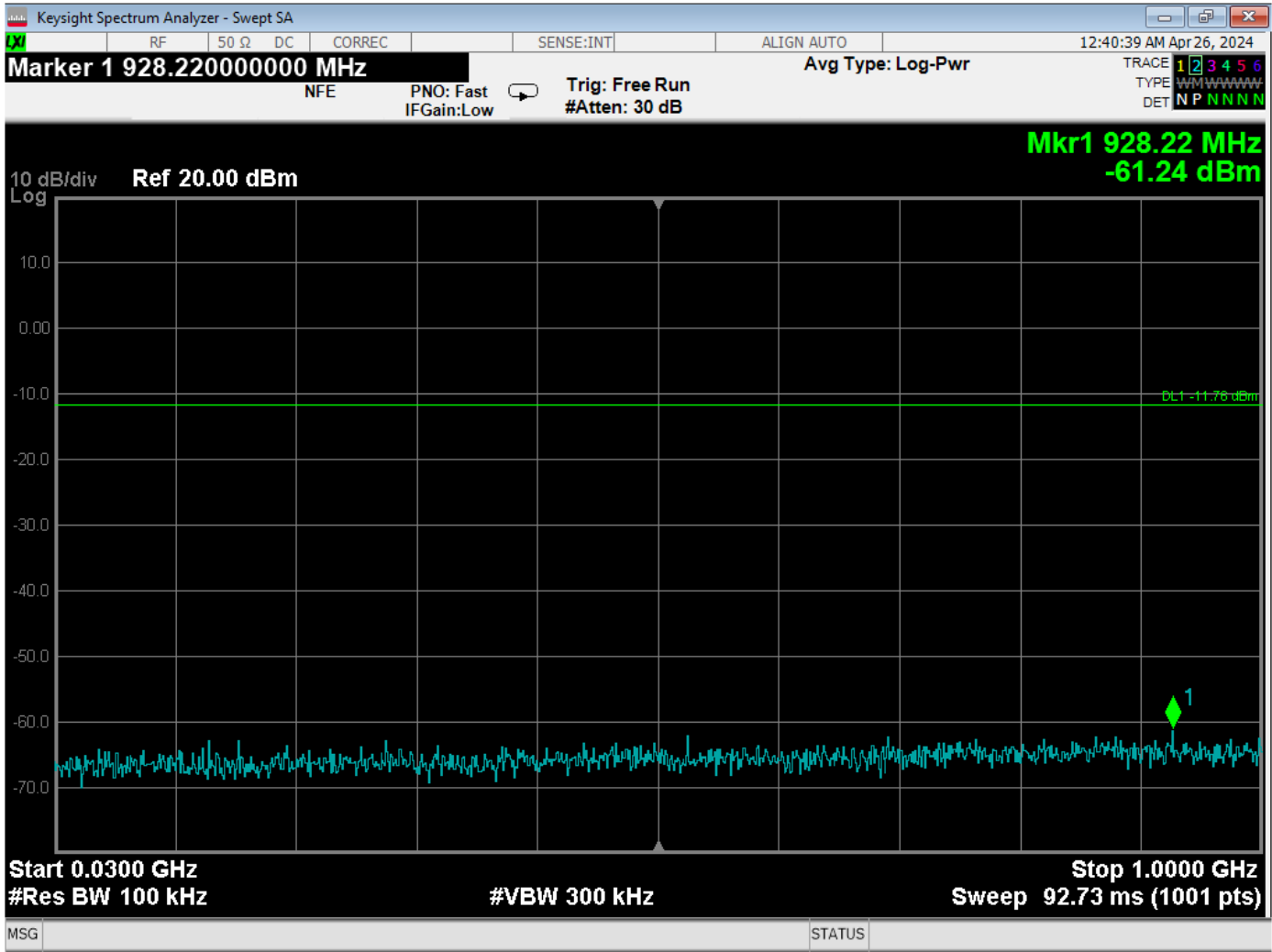
Newbury Park Division
1050 Lawrence Drive
Newbury Park, CA 91320
(805) 480-4044



RF Antenna Conducted – Low Channel – BLE Mode – 2 Mbit – 10 GHz to 25 GHz



RF Antenna Conducted – Middle Channel – BLE Mode – 1 Mbit – Reference Level

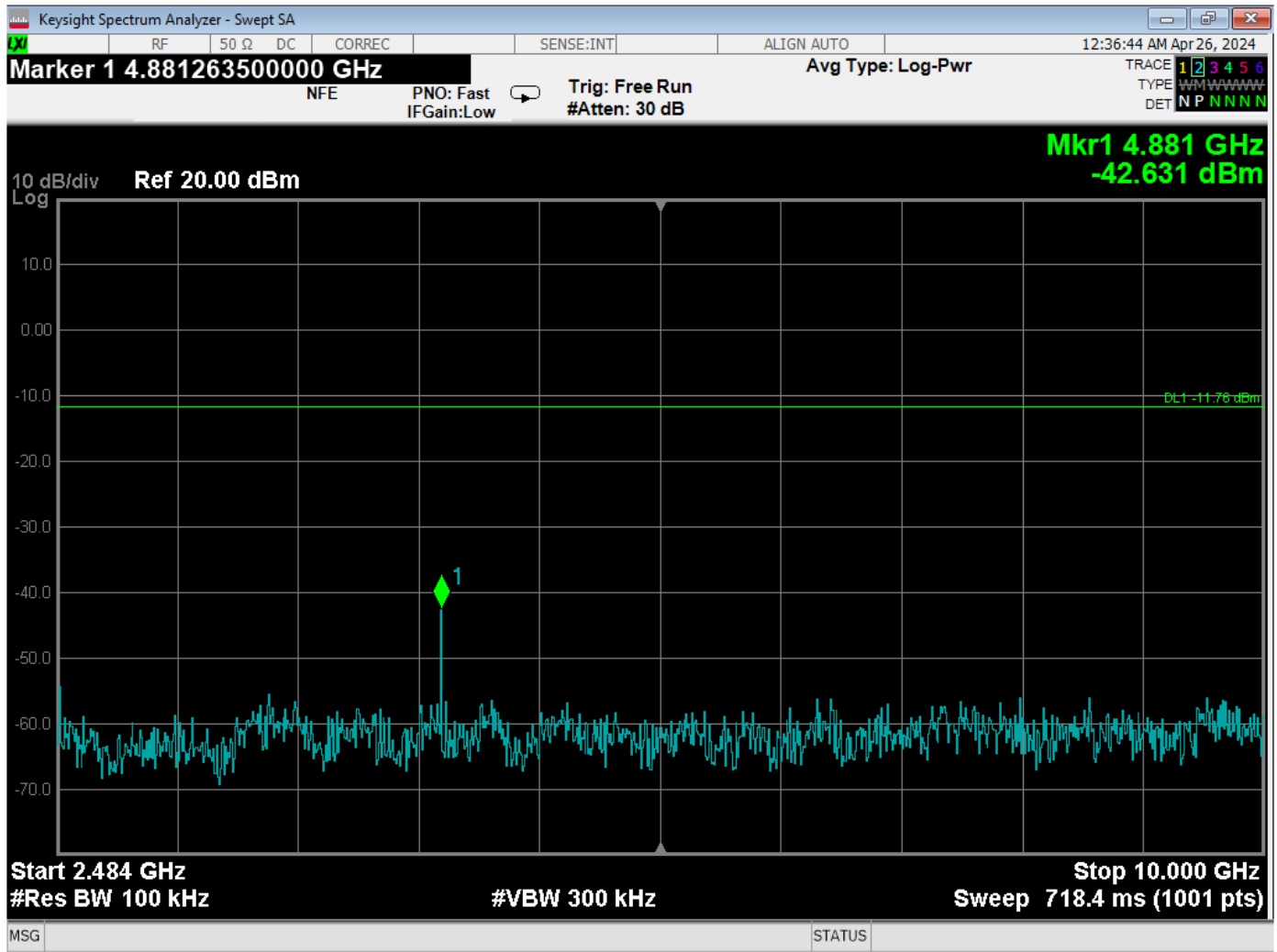


RF Antenna Conducted – Middle Channel – BLE Mode – 1 Mbit – 30 MHz to 2.4 GHz

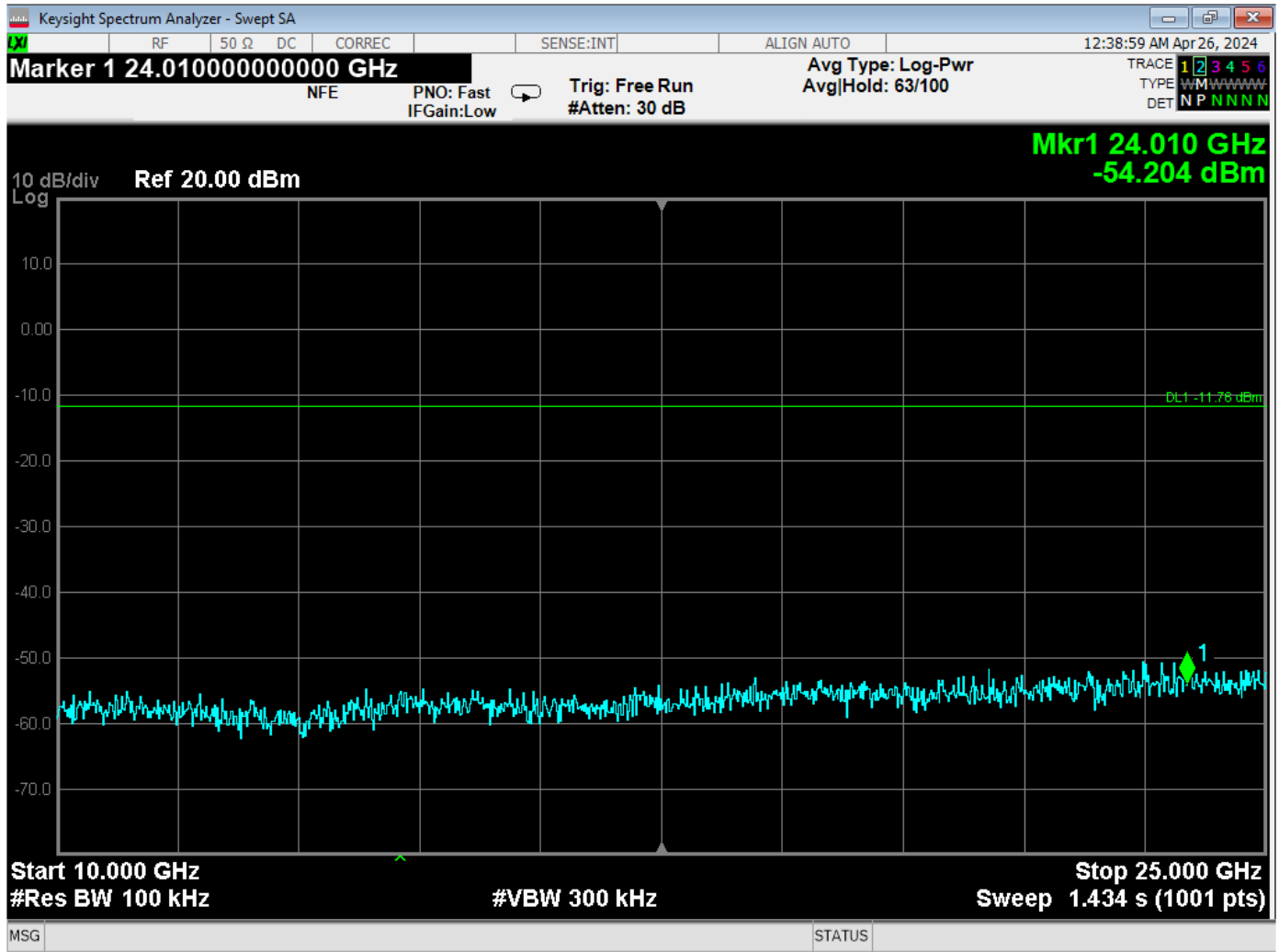
Brea Division
 114 Olinda Drive
 Brea, CA 92823
 (714) 579-0500

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

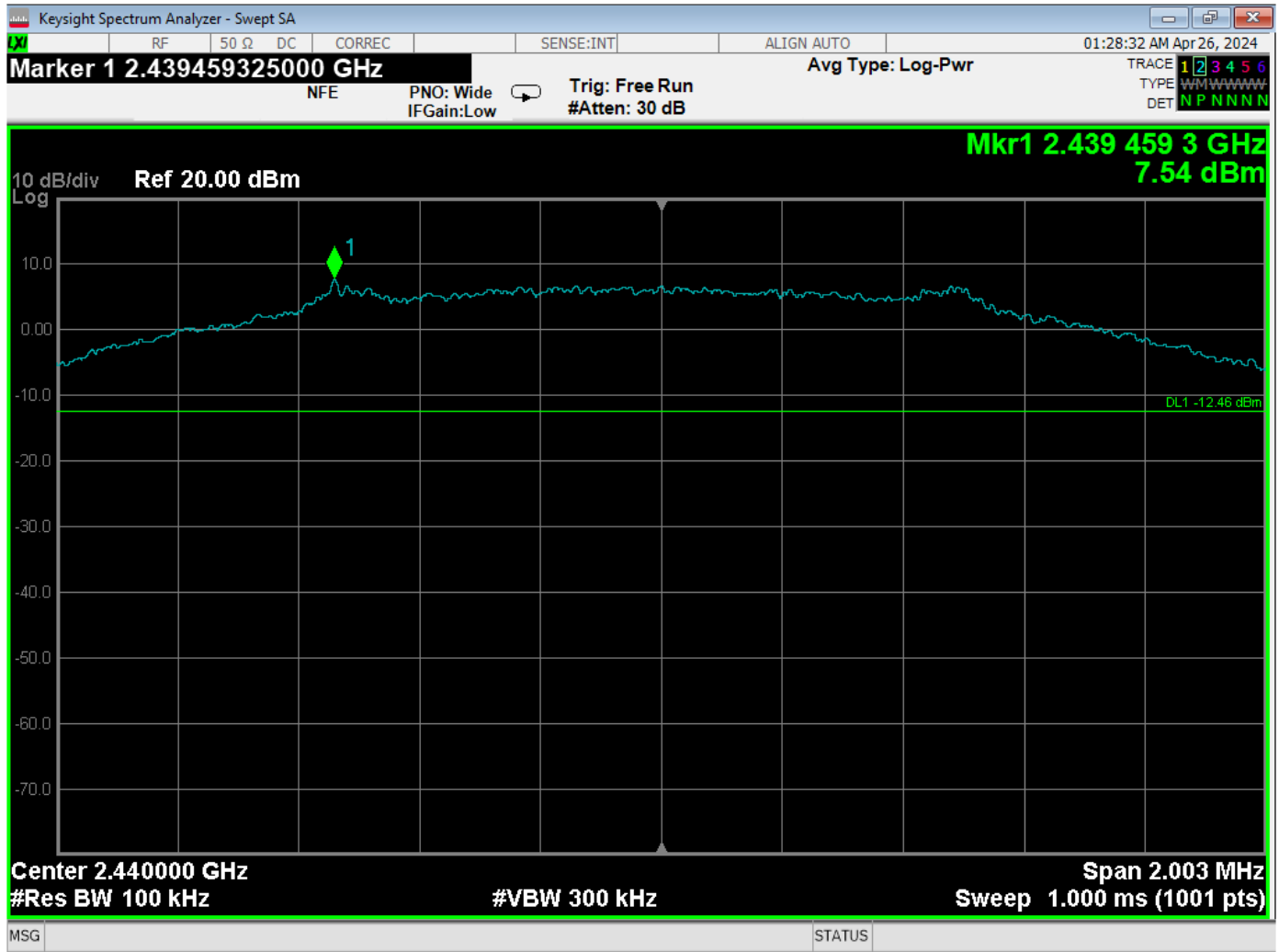
Newbury Park Division
 1050 Lawrence Drive
 Newbury Park, CA 91320
 (805) 480-4044



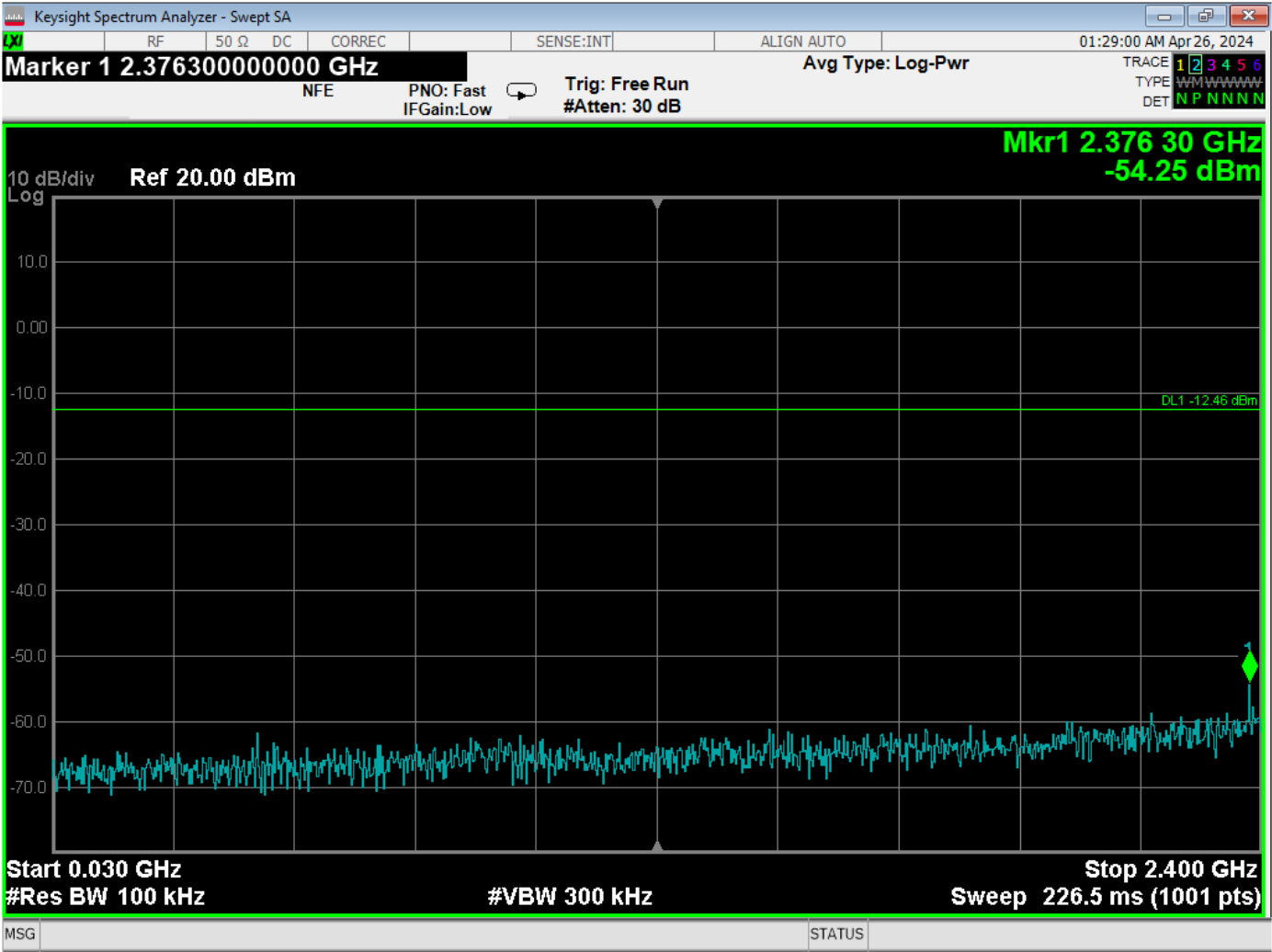
RF Antenna Conducted – Middle Channel – BLE Mode – 1 Mbit – 2483.5 MHz to 10 GHz



RF Antenna Conducted – Middle Channel – BLE Mode – 1 Mbit – 10 GHz to 25 GHz



RF Antenna Conducted – Middle Channel – BLE Mode – 2 Mbit – Reference Level

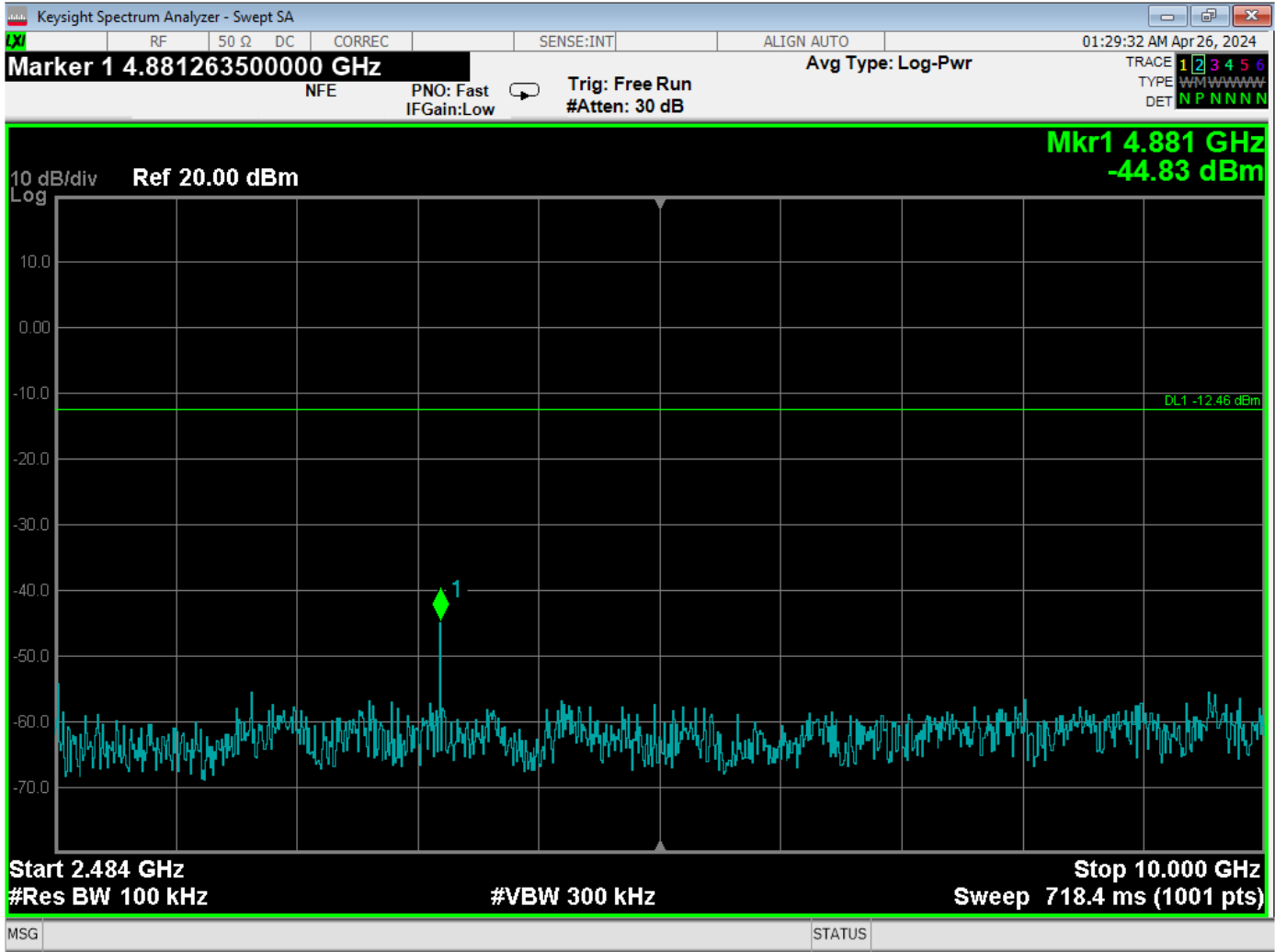


RF Antenna Conducted – Middle Channel – BLE Mode – 2 Mbit – 30 MHz to 2.4 GHz

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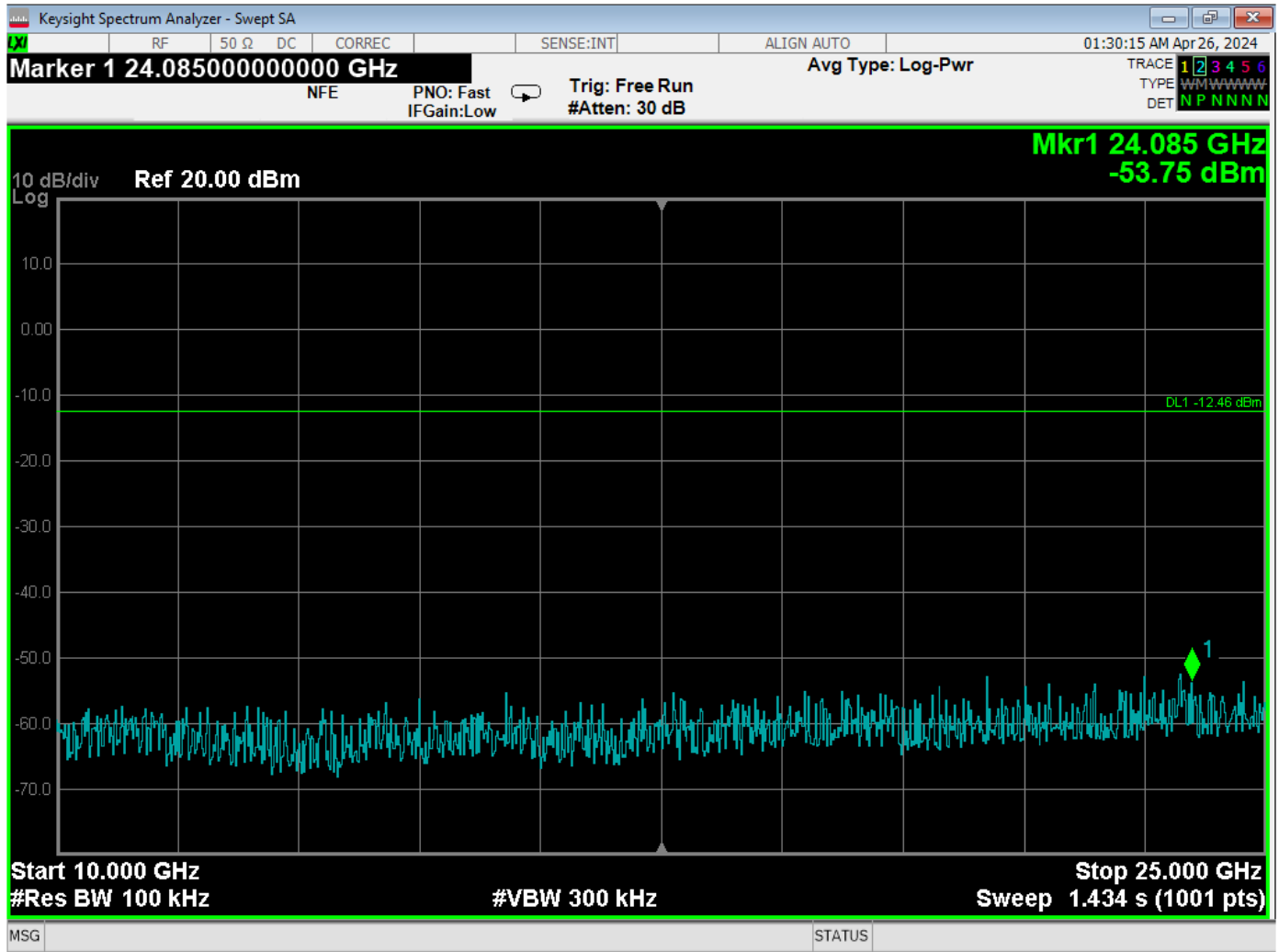


RF Antenna Conducted – Middle Channel – BLE Mode – 2 Mbit – 2483.5 MHz to 10 GHz

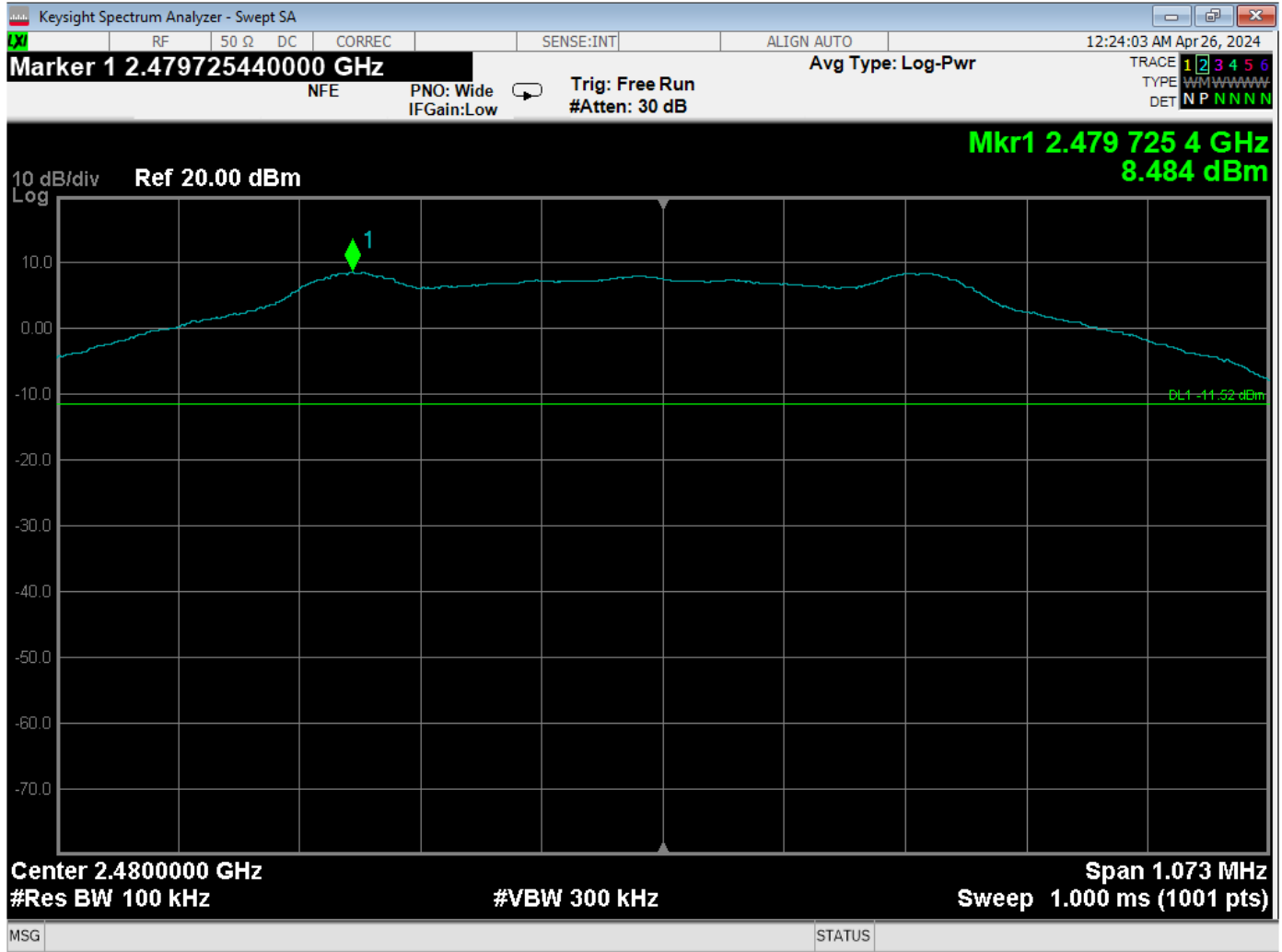
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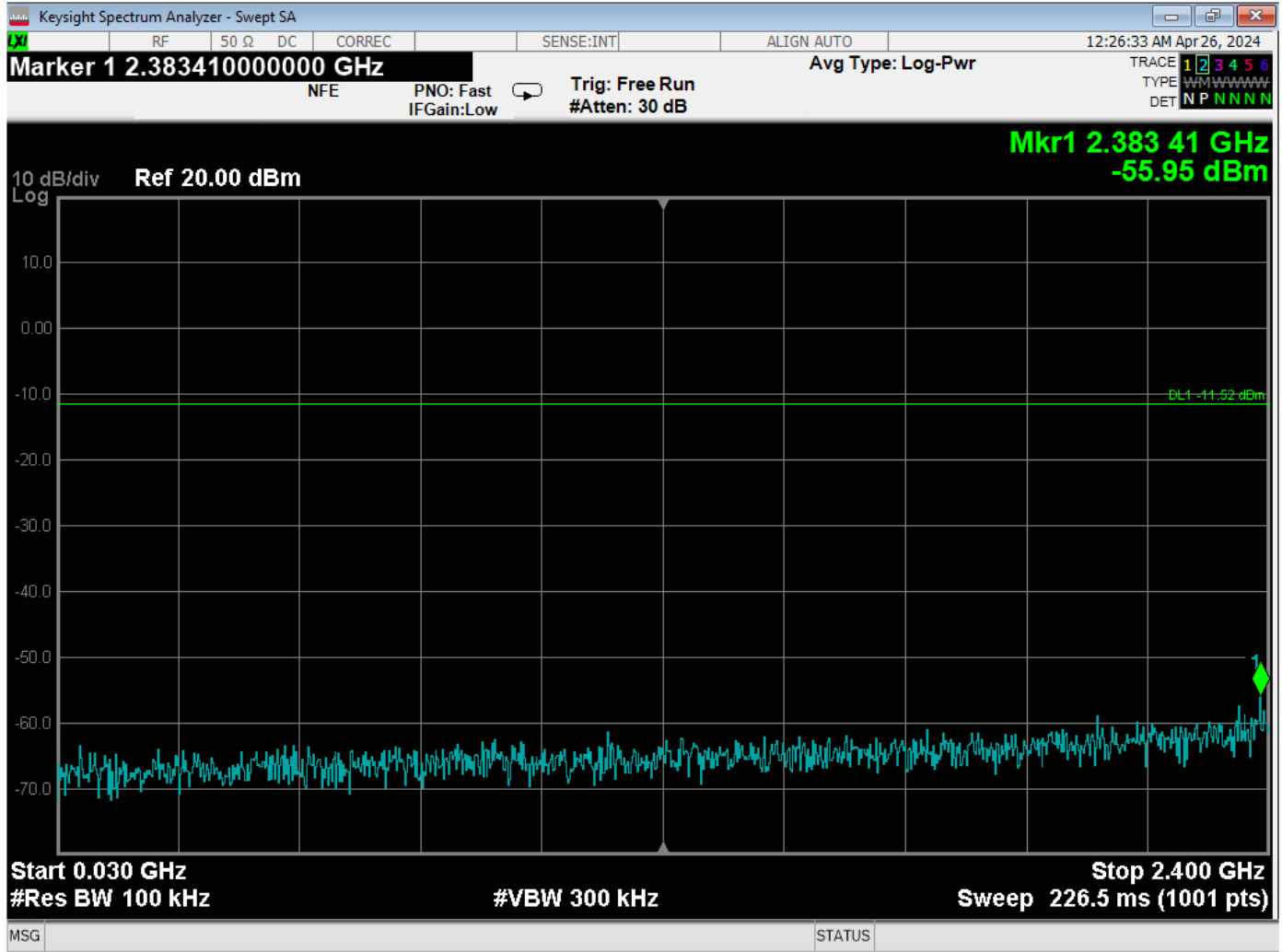
Newbury Park Division
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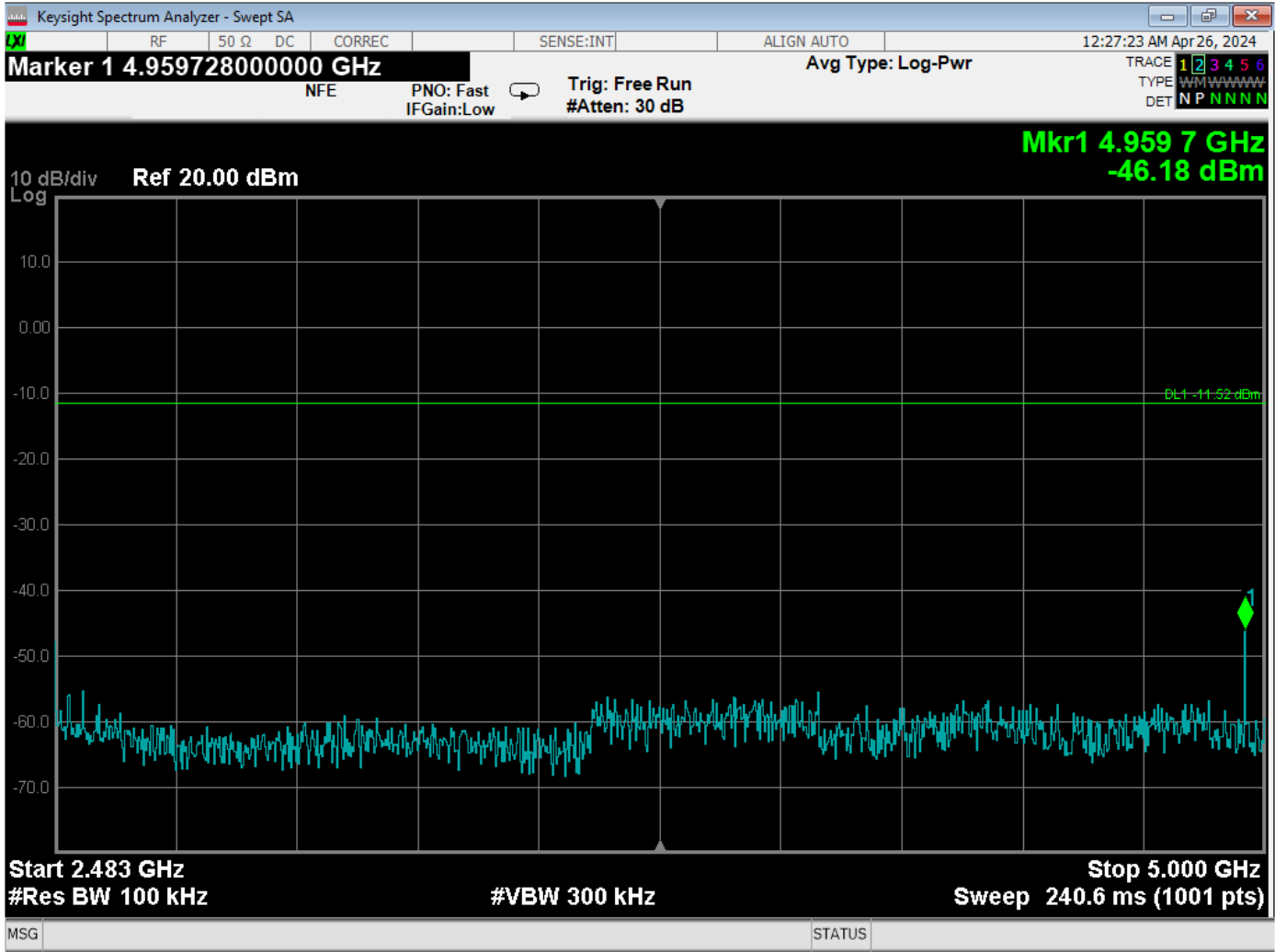
RF Antenna Conducted – Middle Channel – BLE Mode – 2 Mbit – 10 GHz to 25 GHz



RF Antenna Conducted – High Channel – BLE Mode – 1 Mbit – Reference Level



RF Antenna Conducted – High Channel – BLE Mode – 1 Mbit – 30 MHz to 2.4 GHz

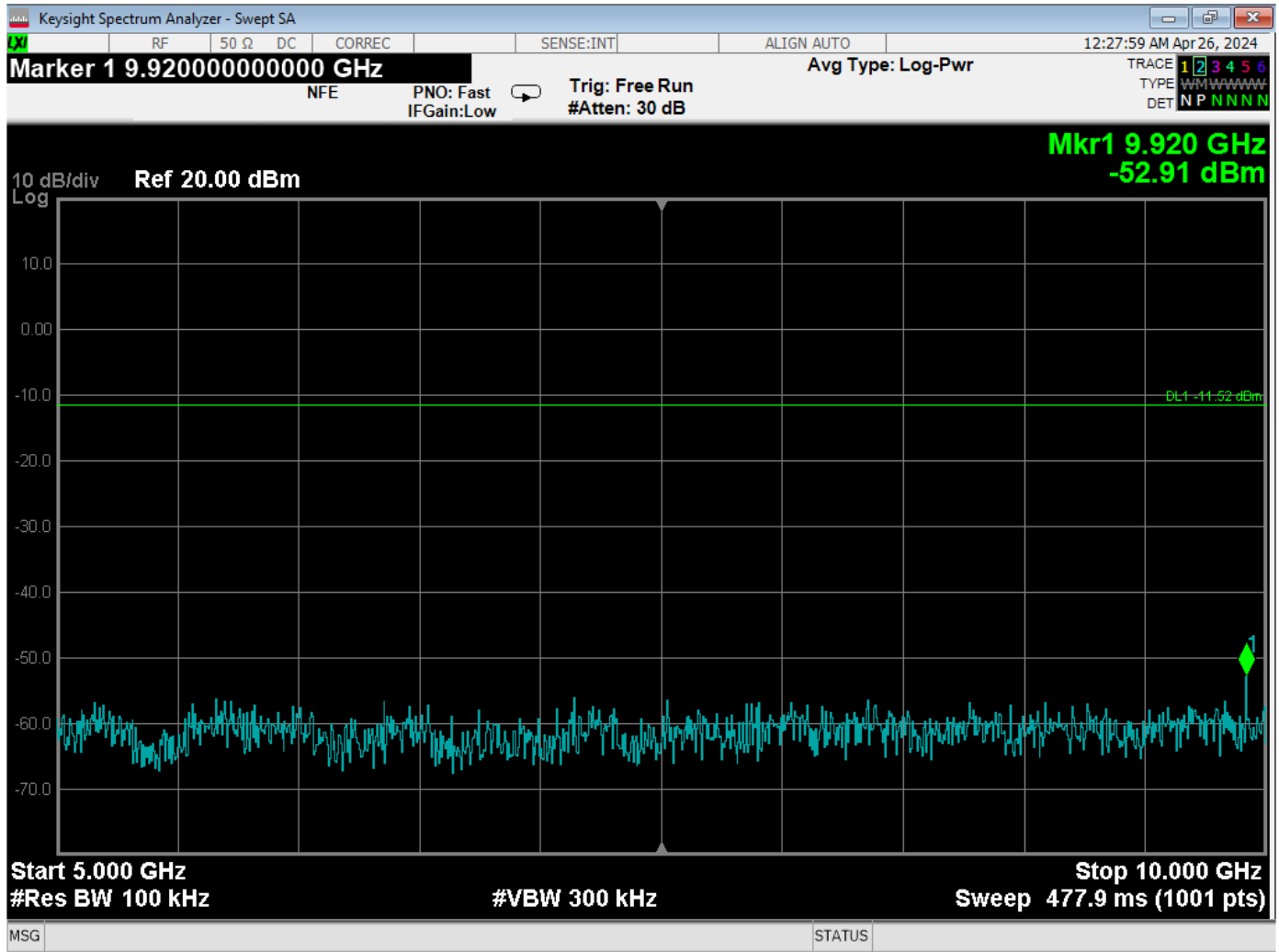


RF Antenna Conducted – High Channel – BLE Mode – 1 Mbit – 2483.5 MHz to 5 GHz

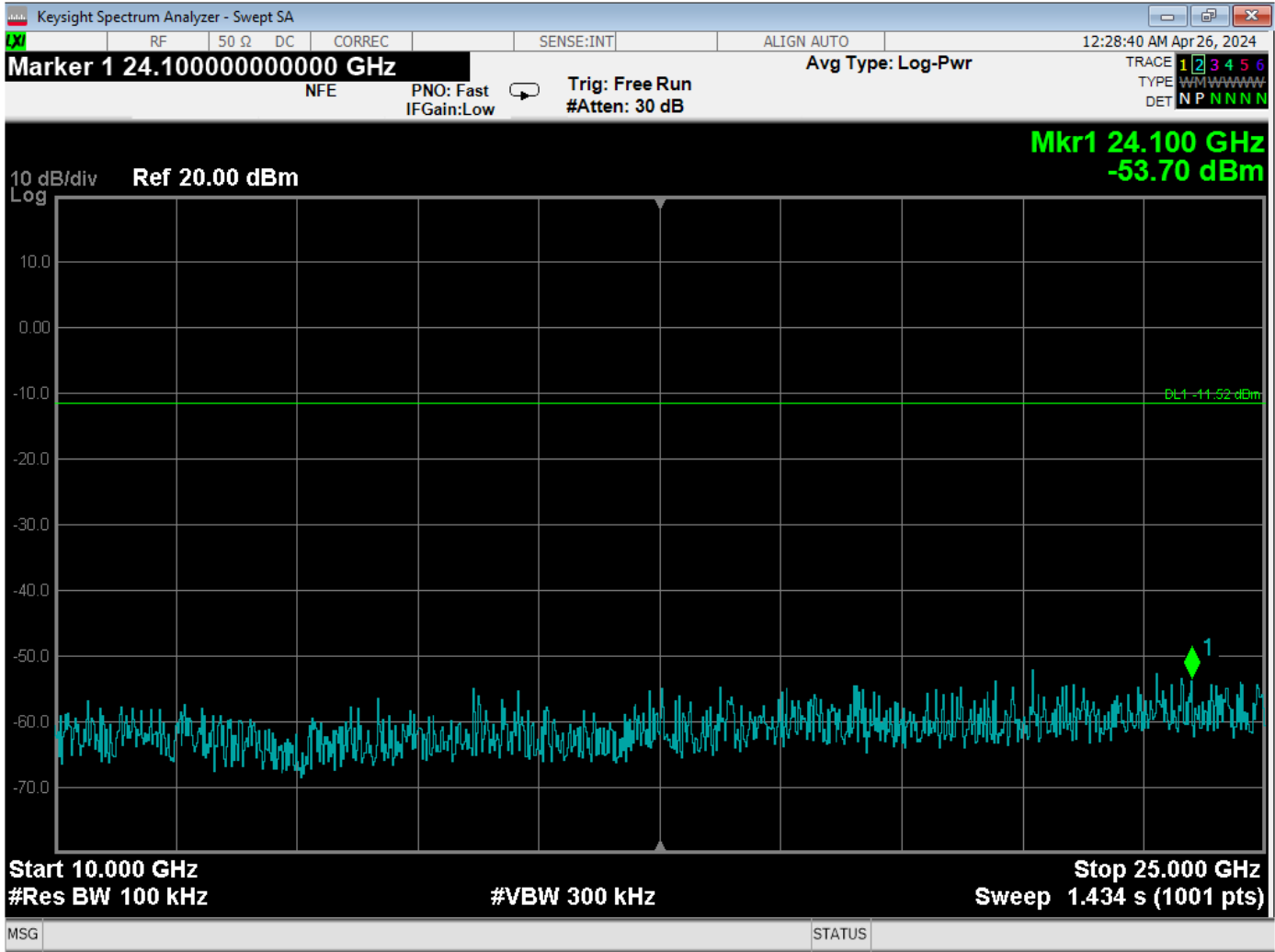
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RF Antenna Conducted – High Channel – BLE Mode – 1 Mbit – 5 GHz to 10 GHz

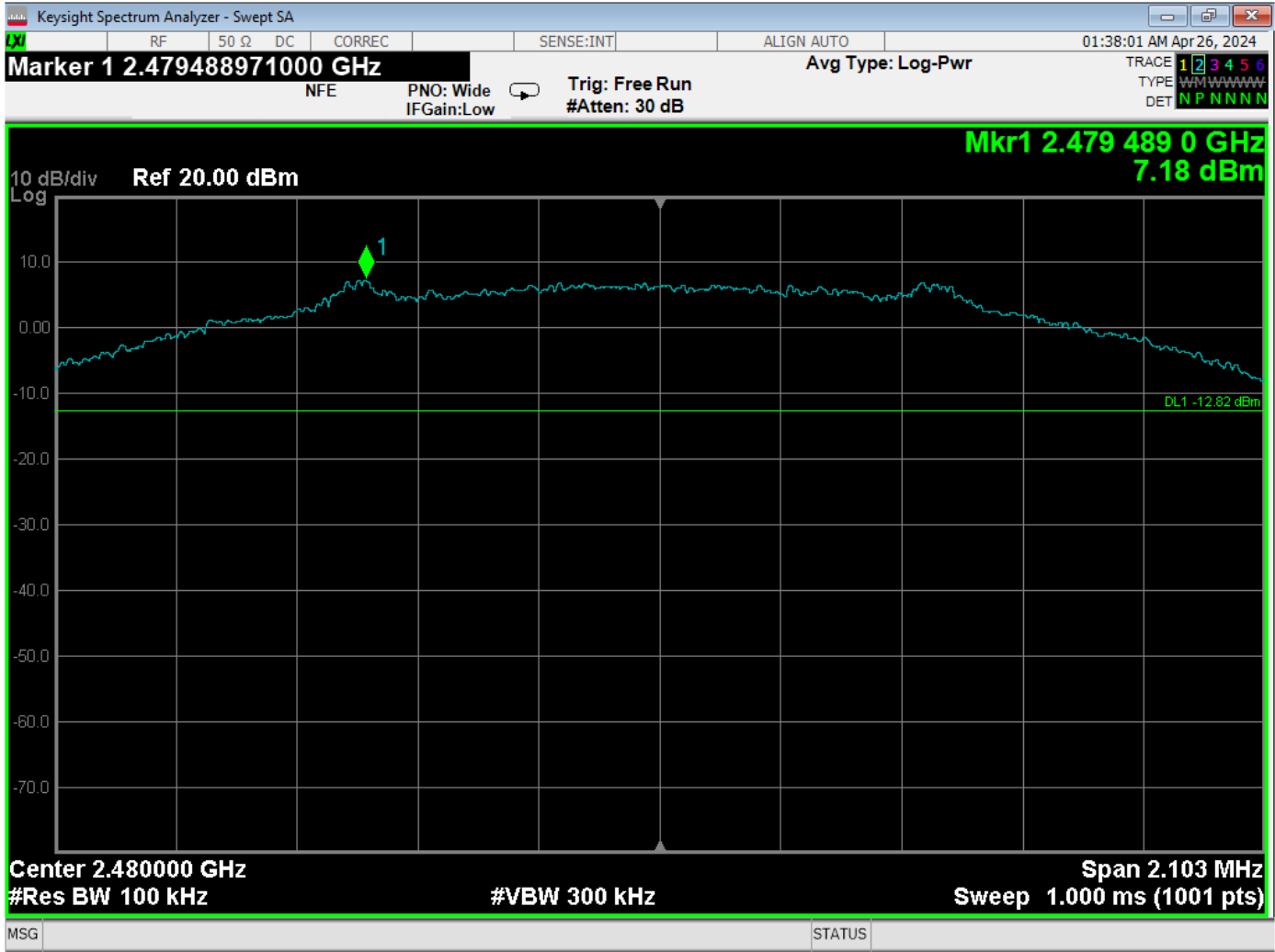


RF Antenna Conducted – High Channel – BLE Mode – 1 Mbit – 10 GHz to 25 GHz

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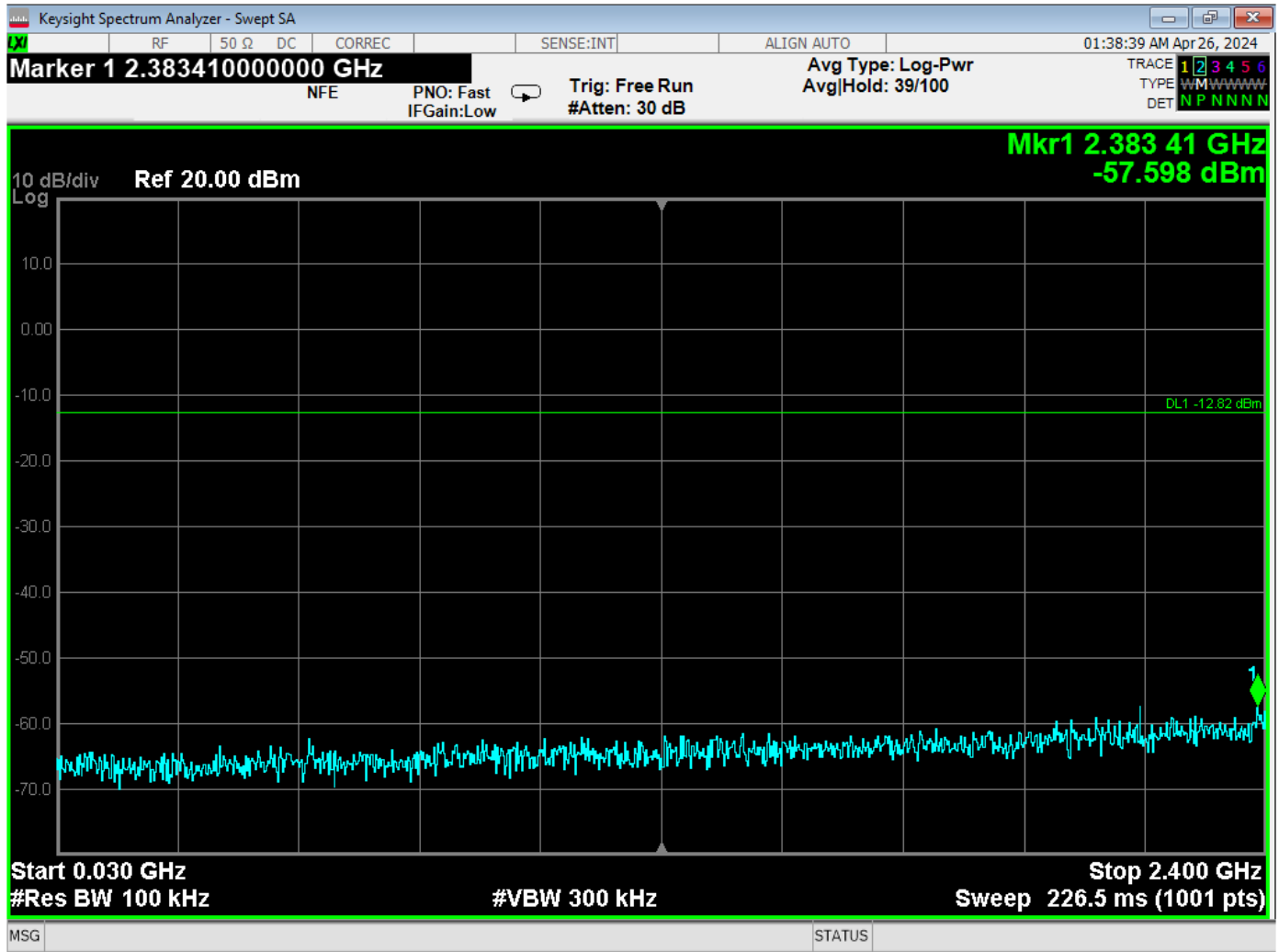


RF Antenna Conducted – High Channel – BLE Mode – 2 Mbit – Reference Level

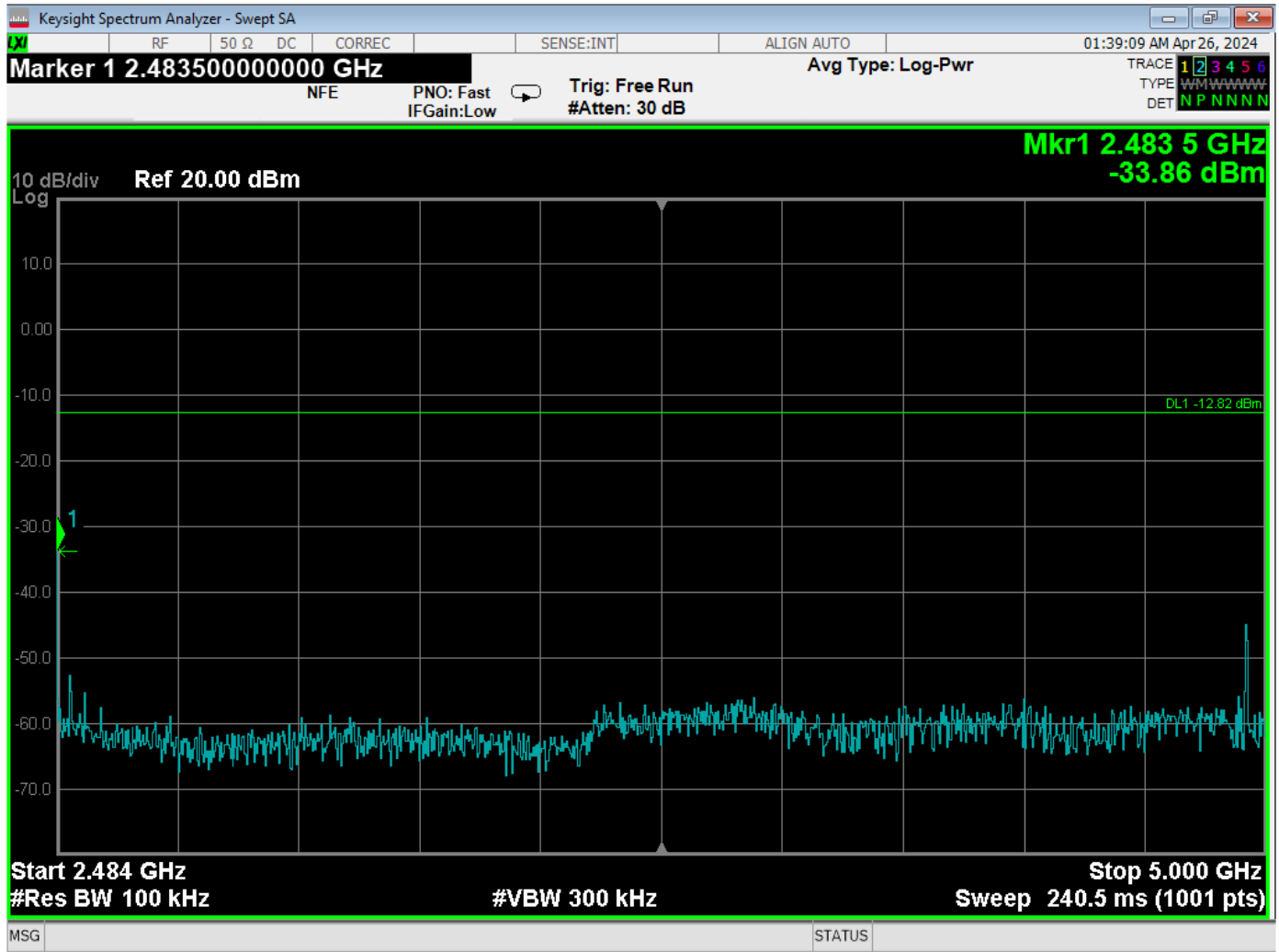
Brea Division
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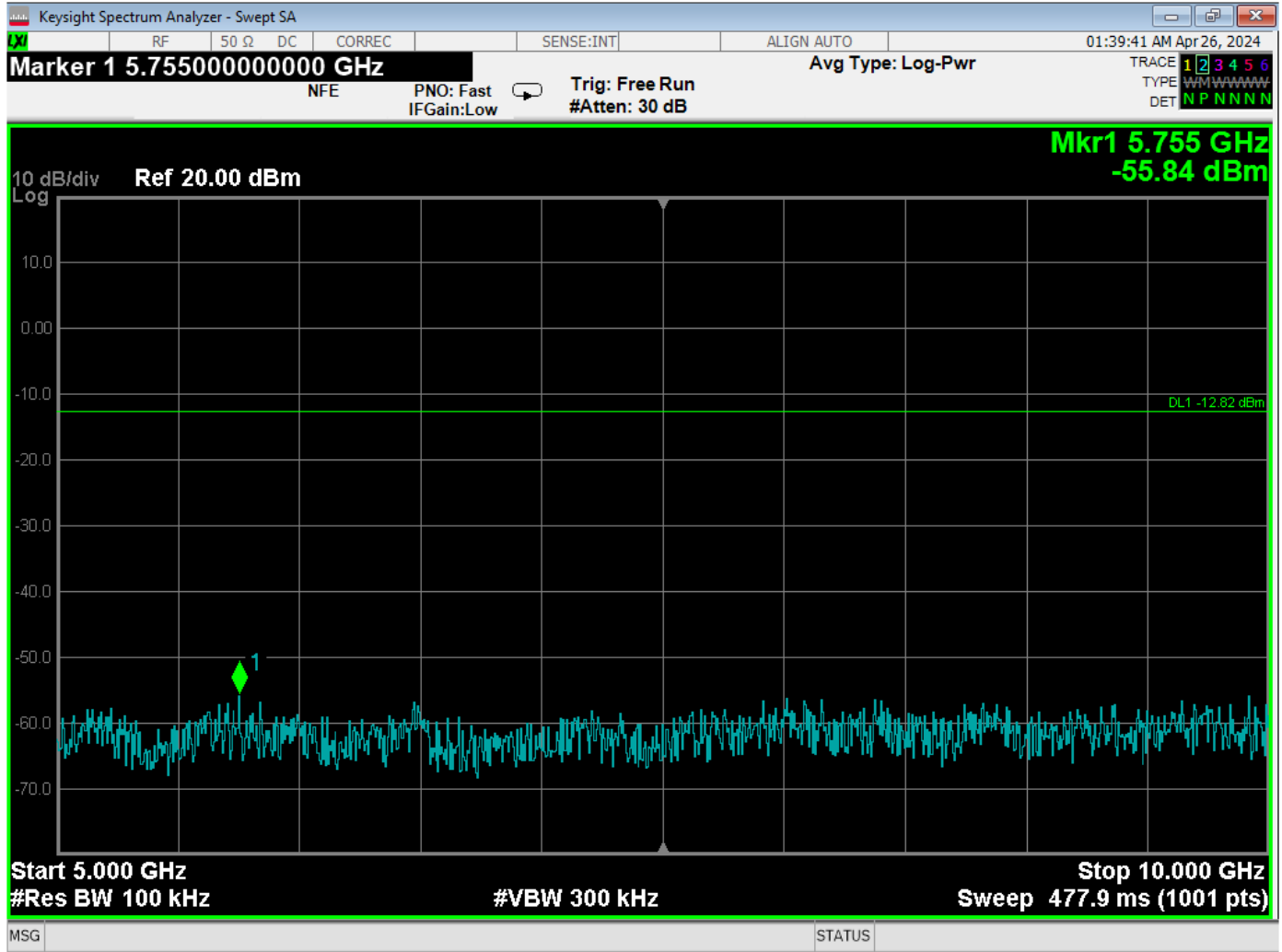
Newbury Park Division
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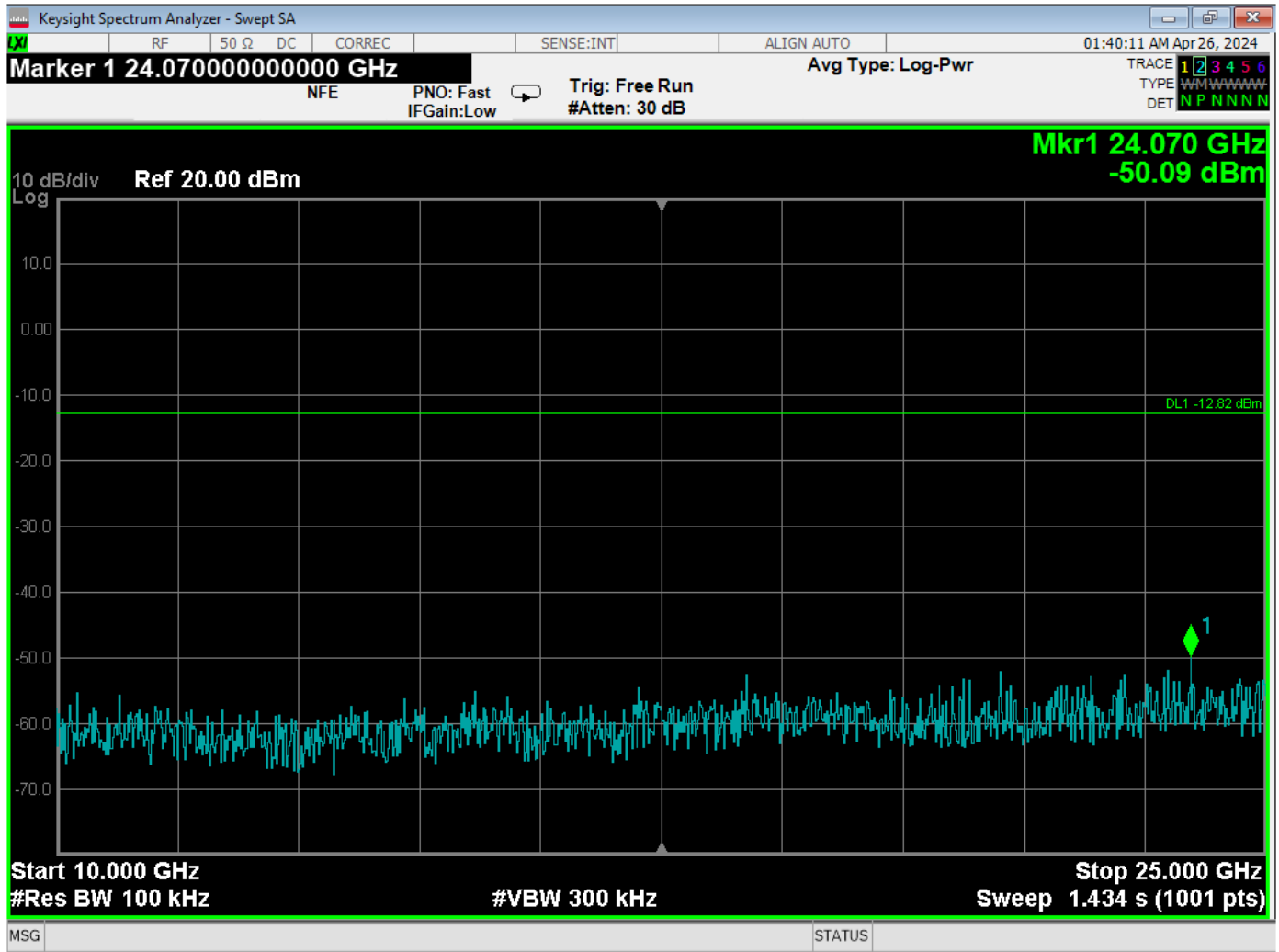
RF Antenna Conducted – High Channel – BLE Mode – 2 Mbit – 30 MHz to 2.4 GHz



RF Antenna Conducted – High Channel – BLE Mode – 2 Mbit – 2483.5 MHz to 5 GHz



RF Antenna Conducted – High Channel – BLE Mode – 2 Mbit – 5 GHz to 10 GHz



RF Antenna Conducted – High Channel – BLE Mode – 2 Mbit – 10 GHz to 25 GHz

UNIVERSAL ELECTRONICS, INC.

EOS VALUE REMOTE NUMBERLESS

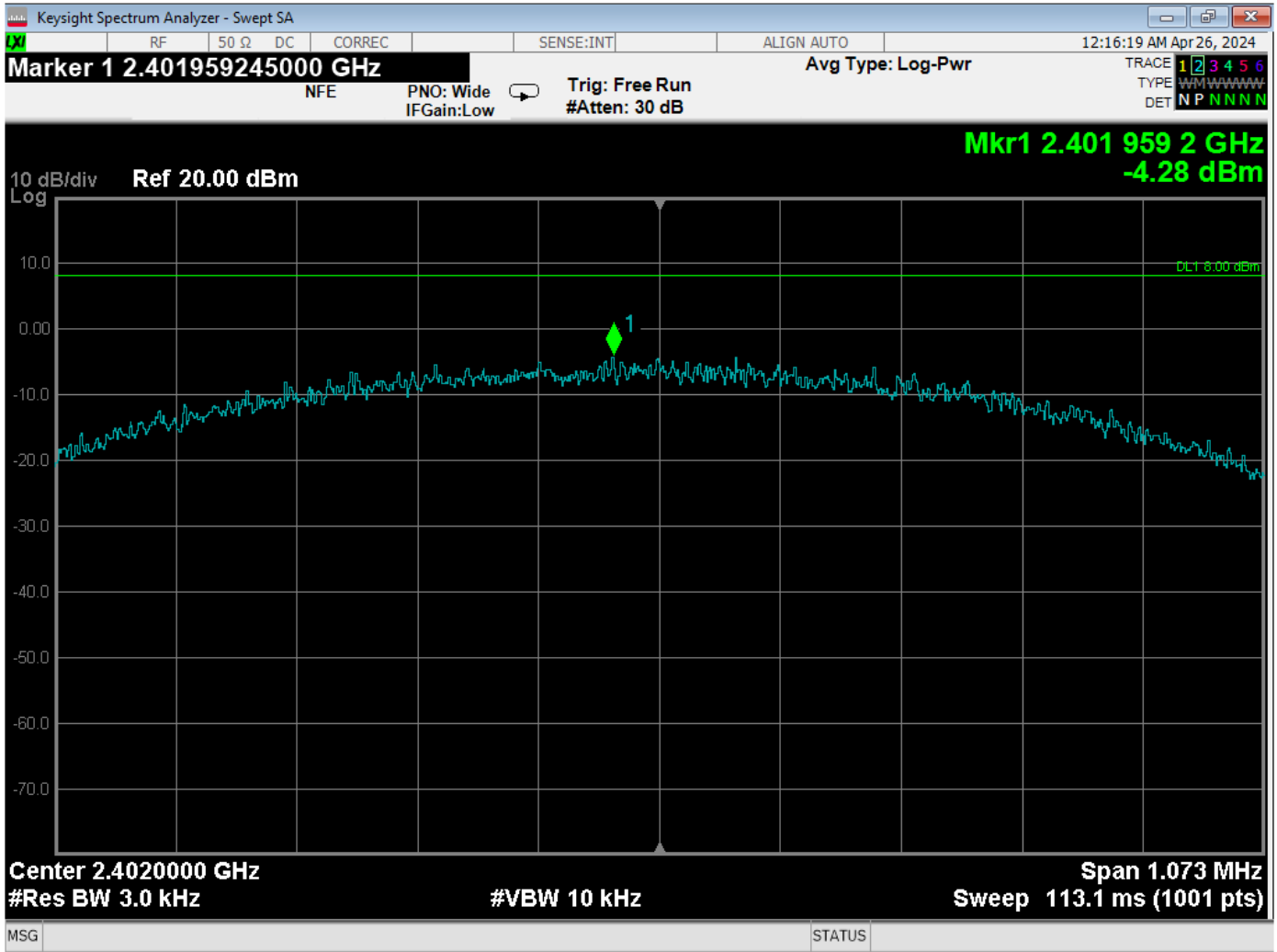
MODEL: PR4-UQ

EMISSIONS IN NON-RESTRICTED BANDS

FREQUENCY (MHz)	LEVEL (dBm)	Limit* (dBm)	Margin (dB)
2400.00	-24.889	-13.17	-11.719
24070.00	-50.09	-12.82	-37.27
9920.00	-52.91	-11.52	-41.39



***PEAK POWER SPECTRAL DENSITY
DATA SHEETS***

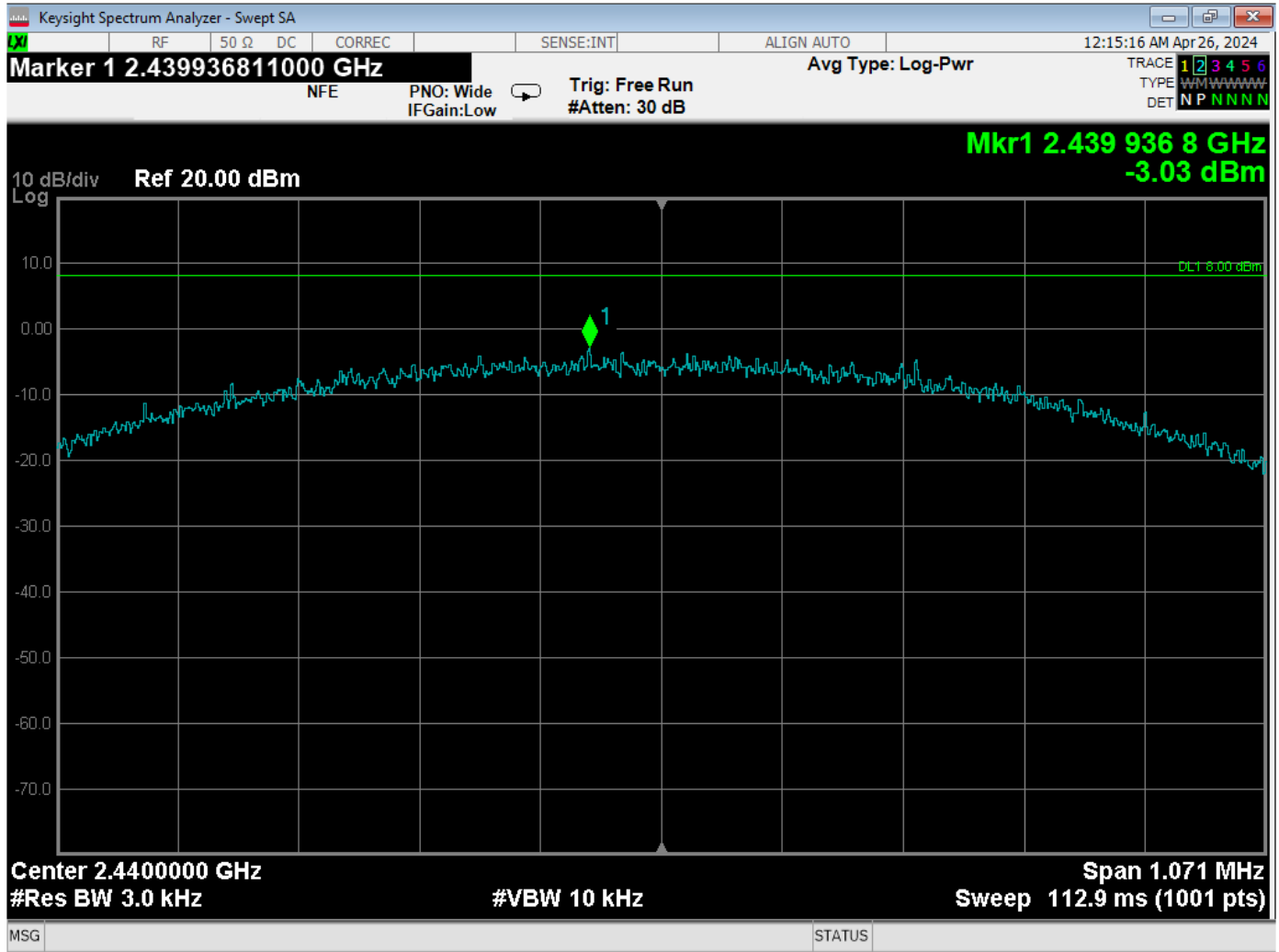


Peak Power Spectral Density – Low Channel – BLE Mode – 1 MBit

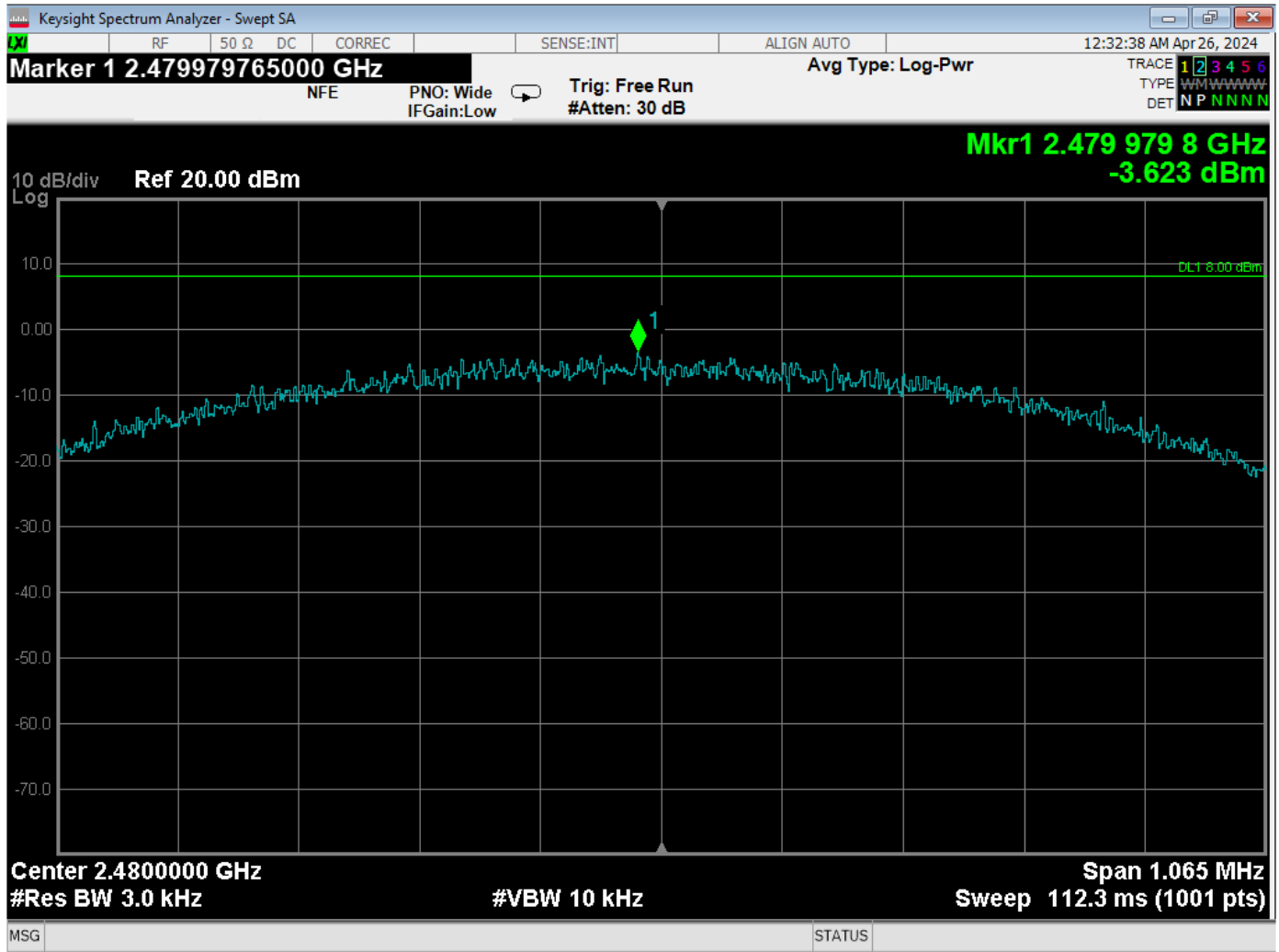
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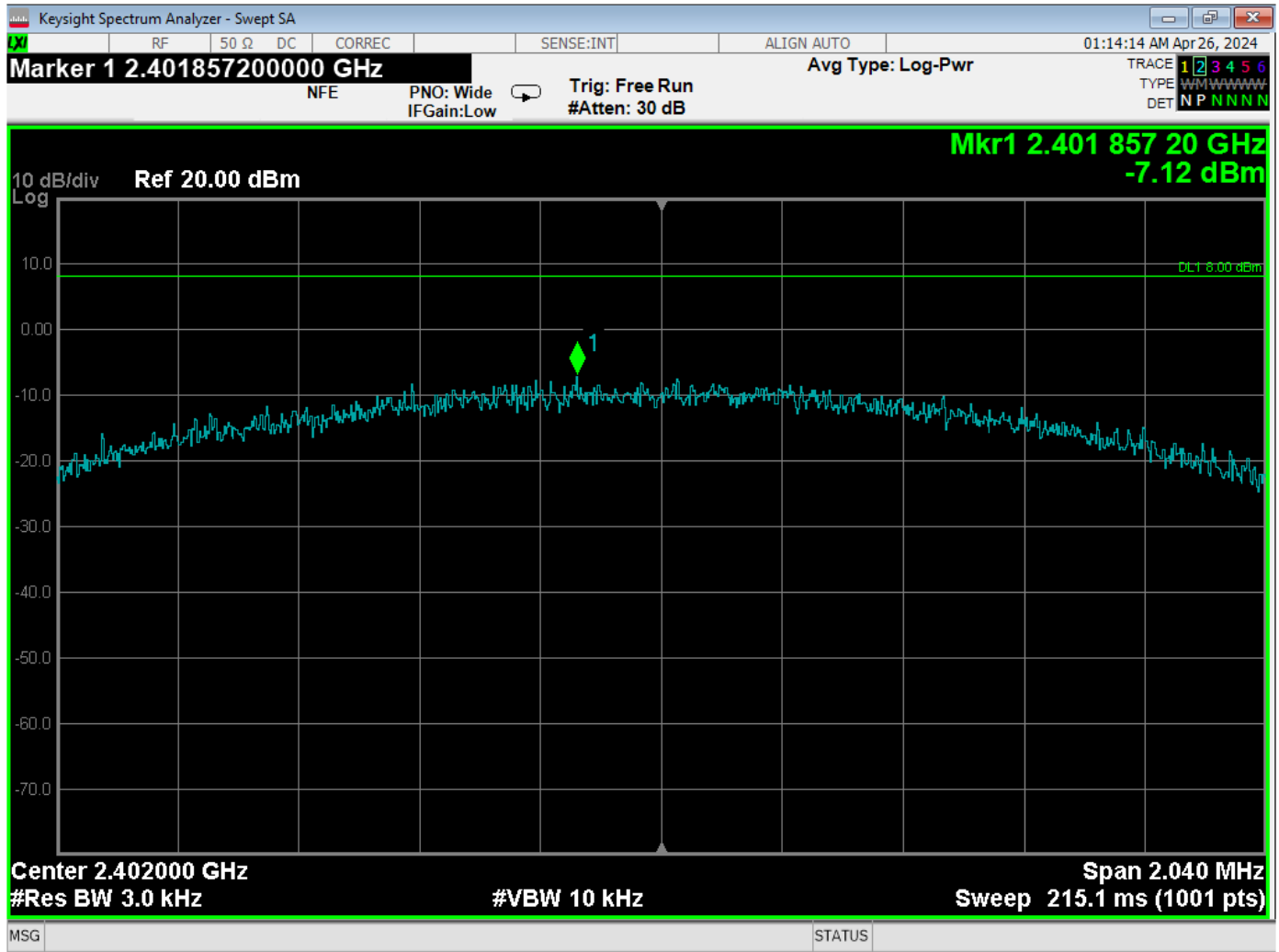
Newbury Park Division
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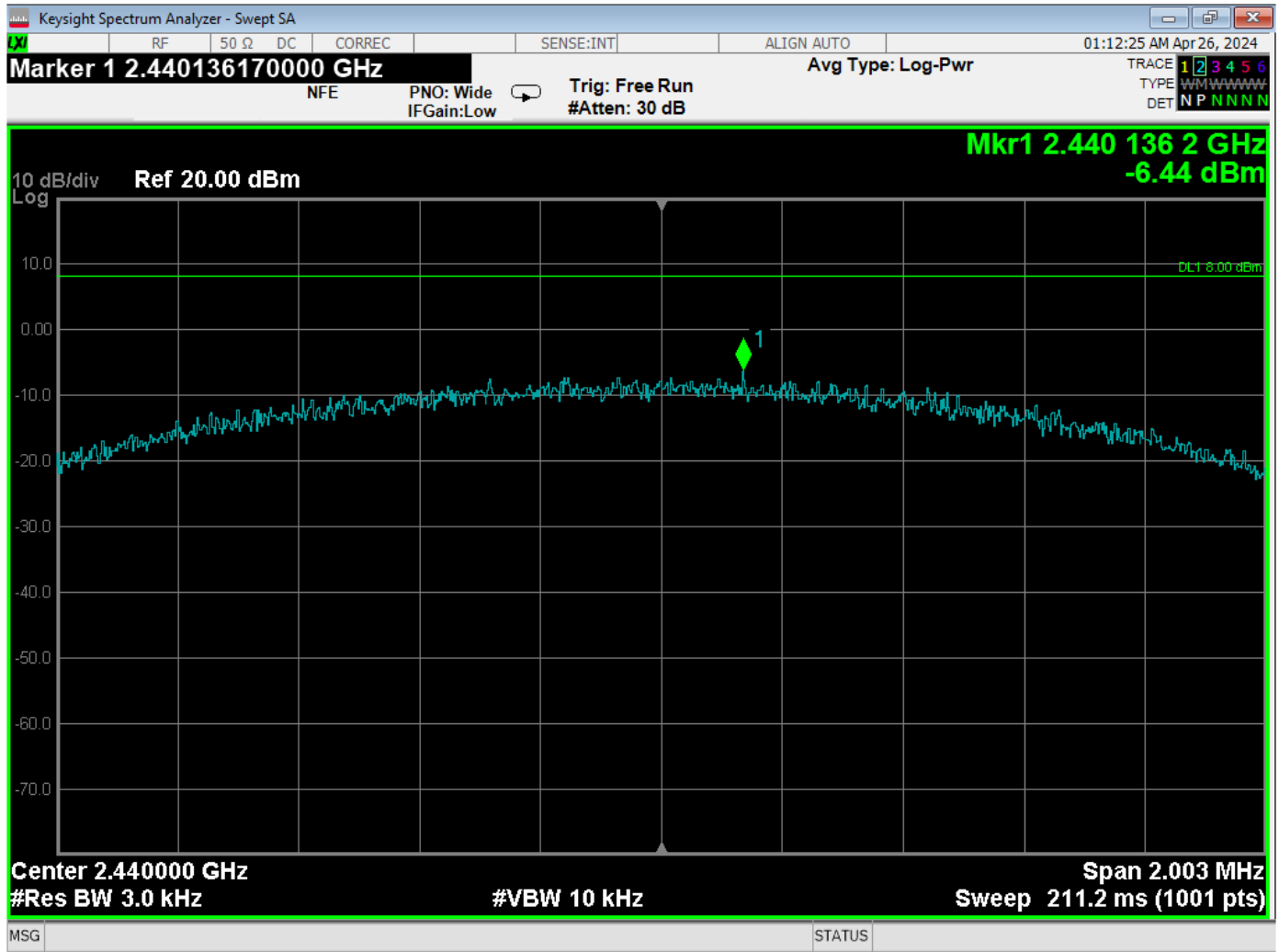
Peak Power Spectral Density – Middle Channel – BLE Mode – 1 Mbit



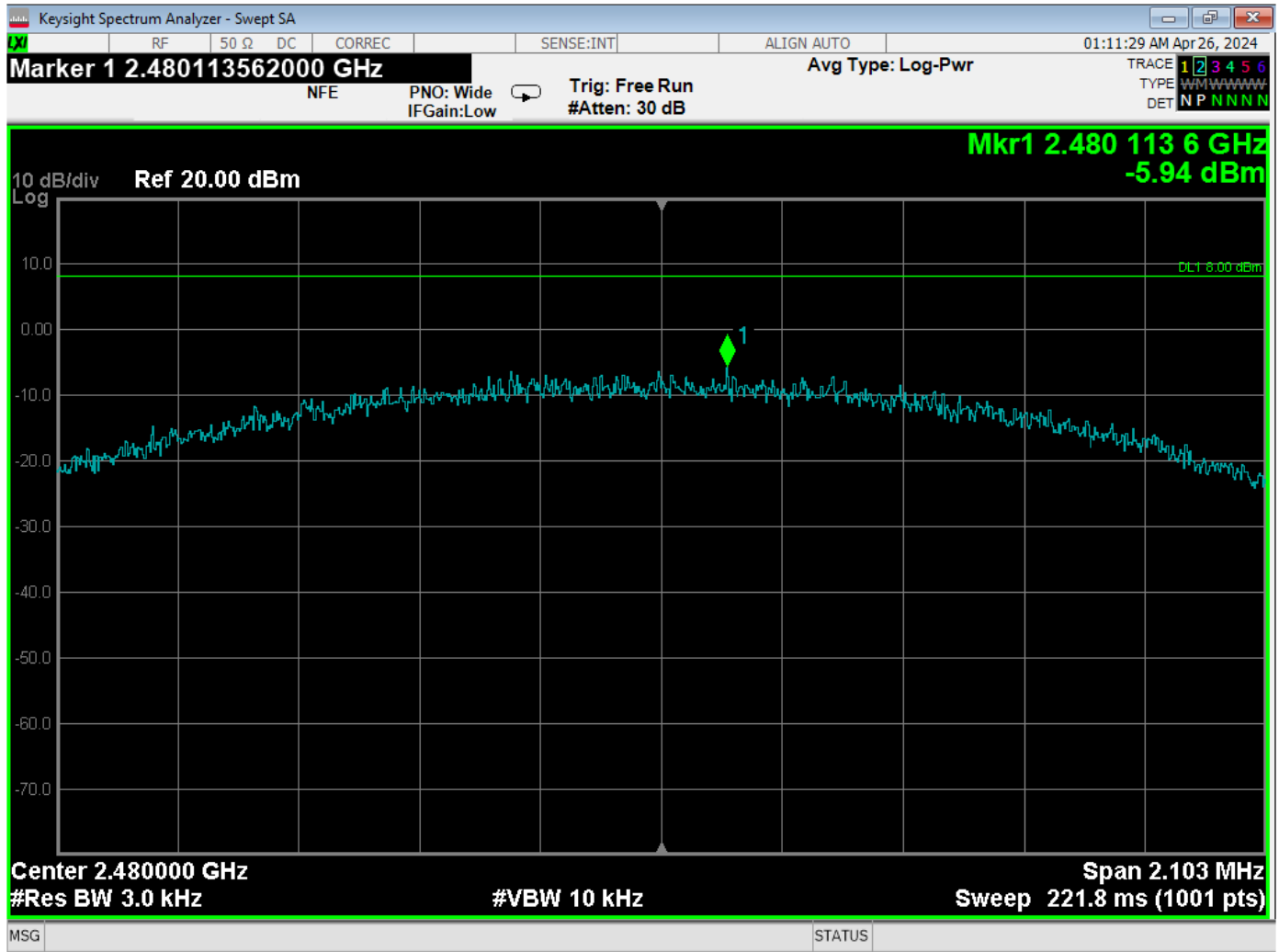
Peak Power Spectral Density – High Channel – BLE Mode – 1 Mbit



Peak Power Spectral Density – Low Channel – BLE Mode – 2 Mbit



Peak Power Spectral Density – Middle Channel – BLE Mode – 2 Mbit

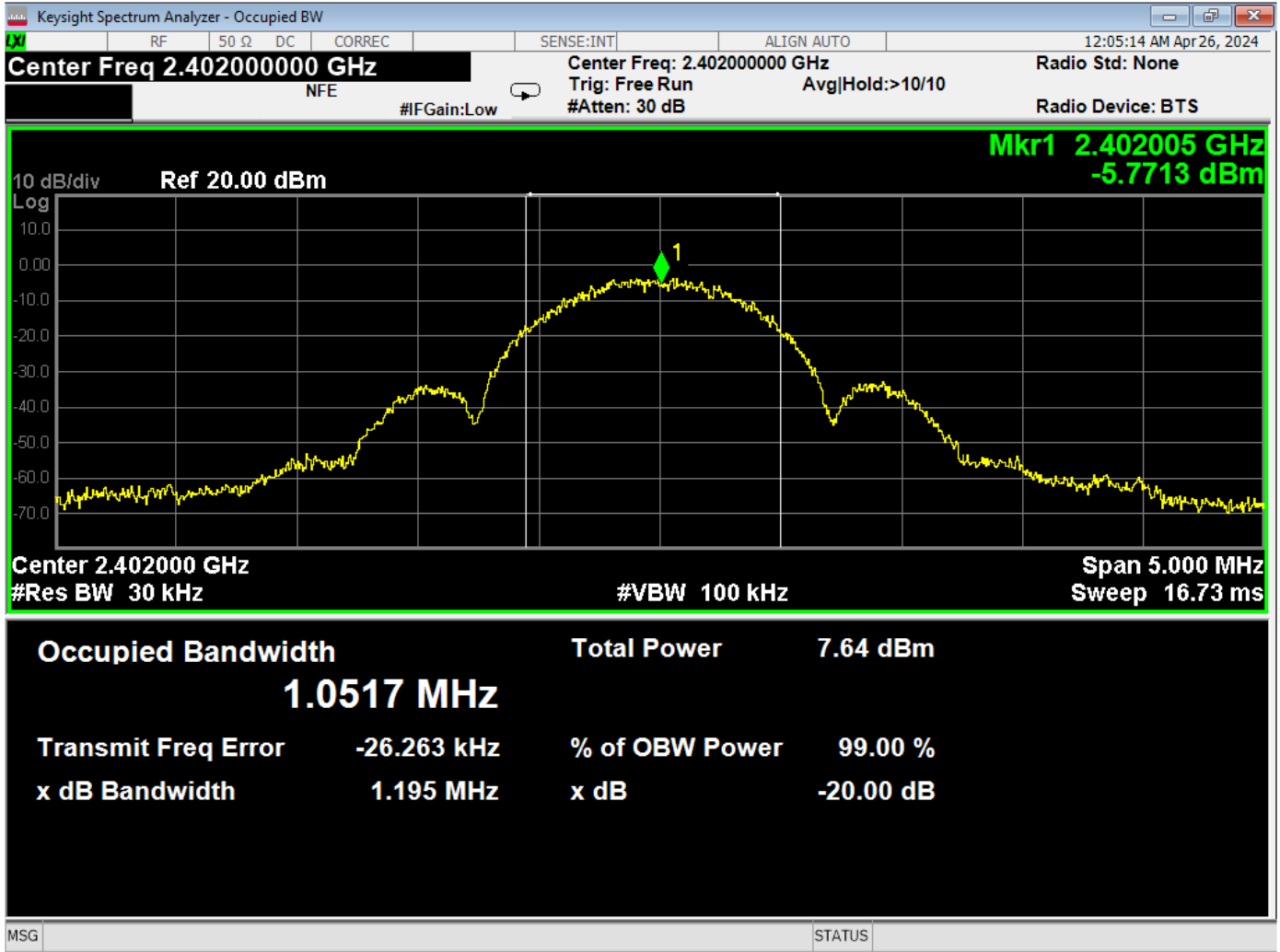


Peak Power Spectral Density – High Channel – BLE Mode – 2 Mbit



99% BANDWIDTH

DATA SHEETS

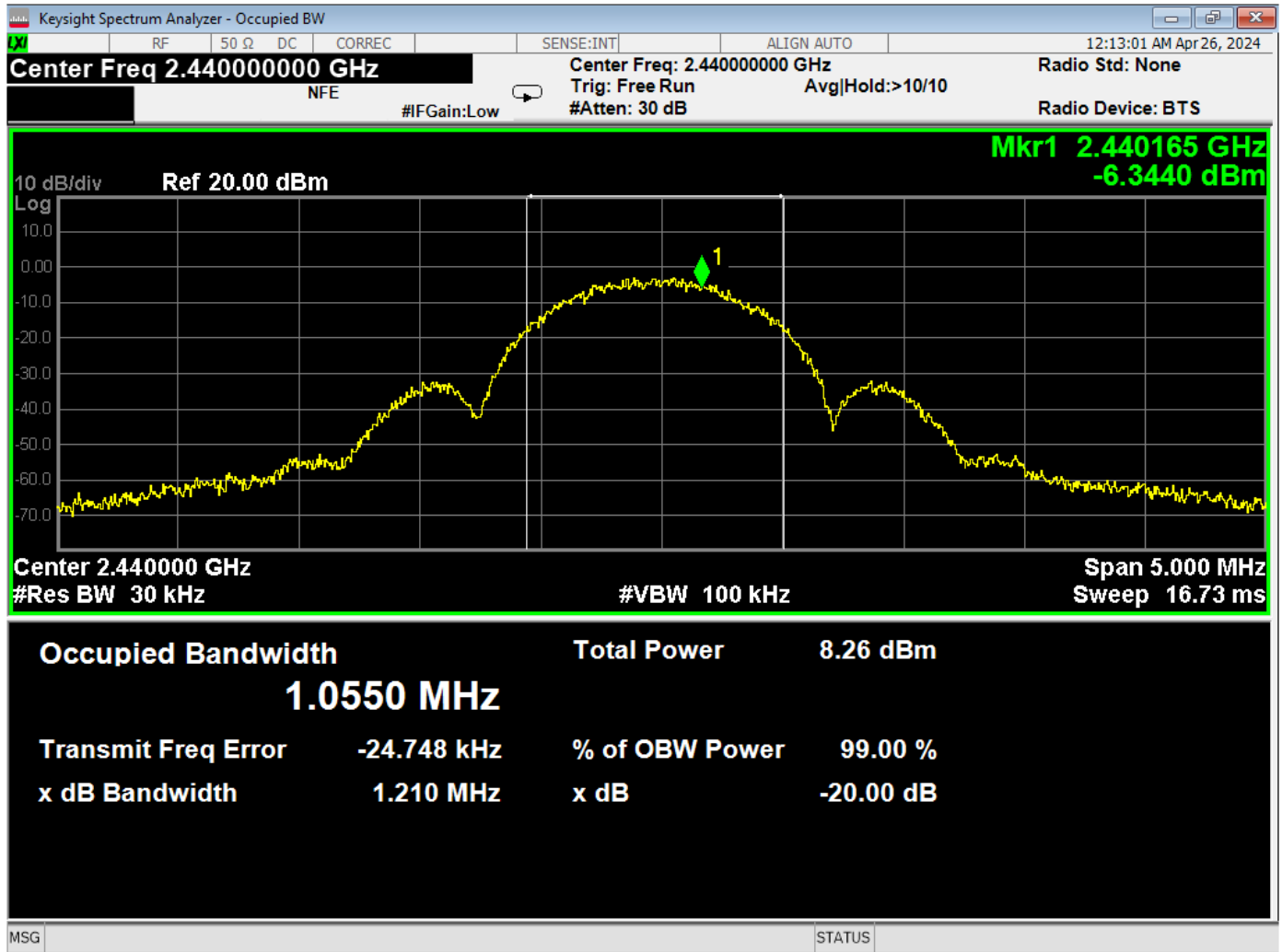


99% Bandwidth – Low Channel – BLE Mode – 1 Mbit

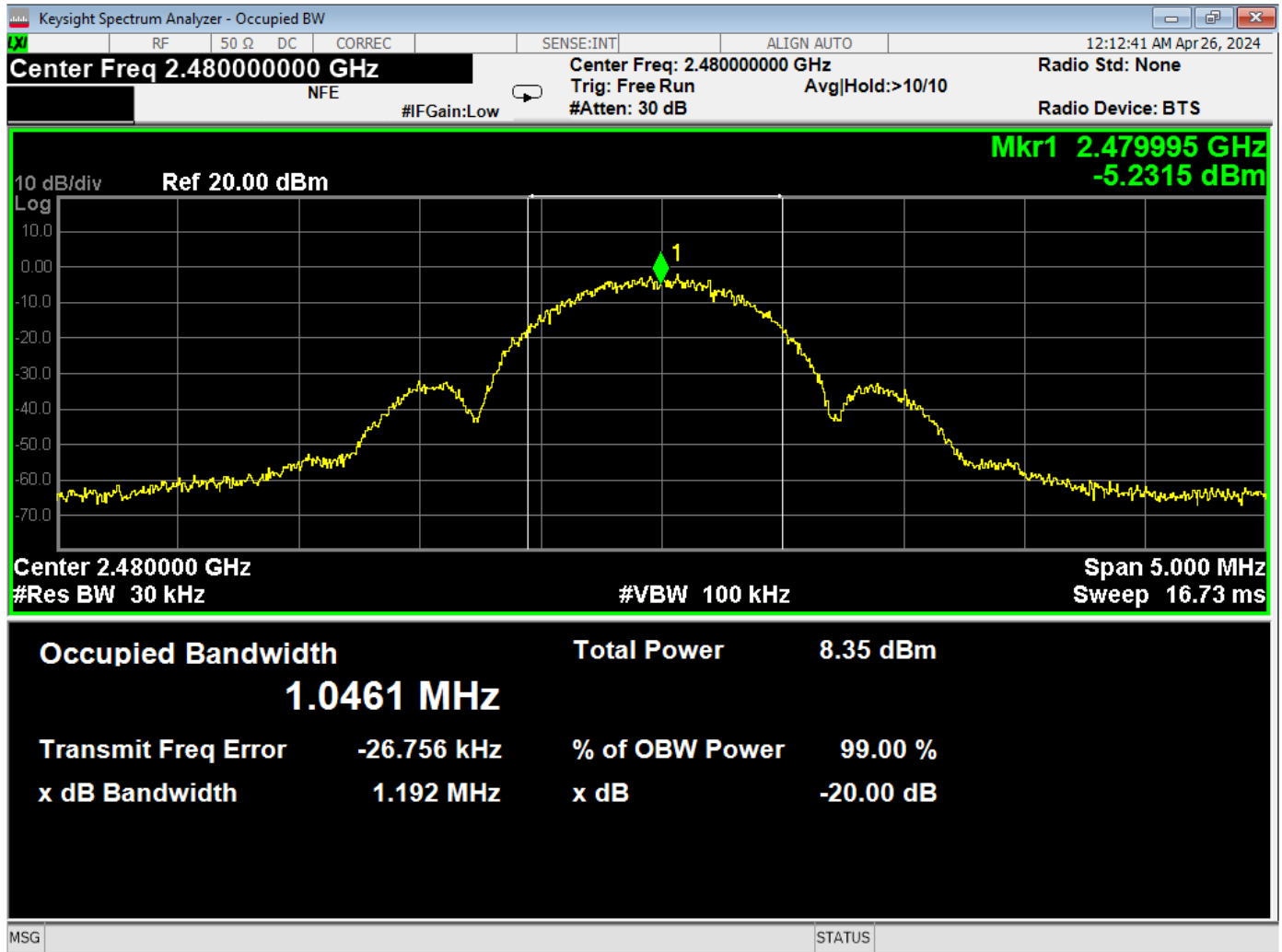
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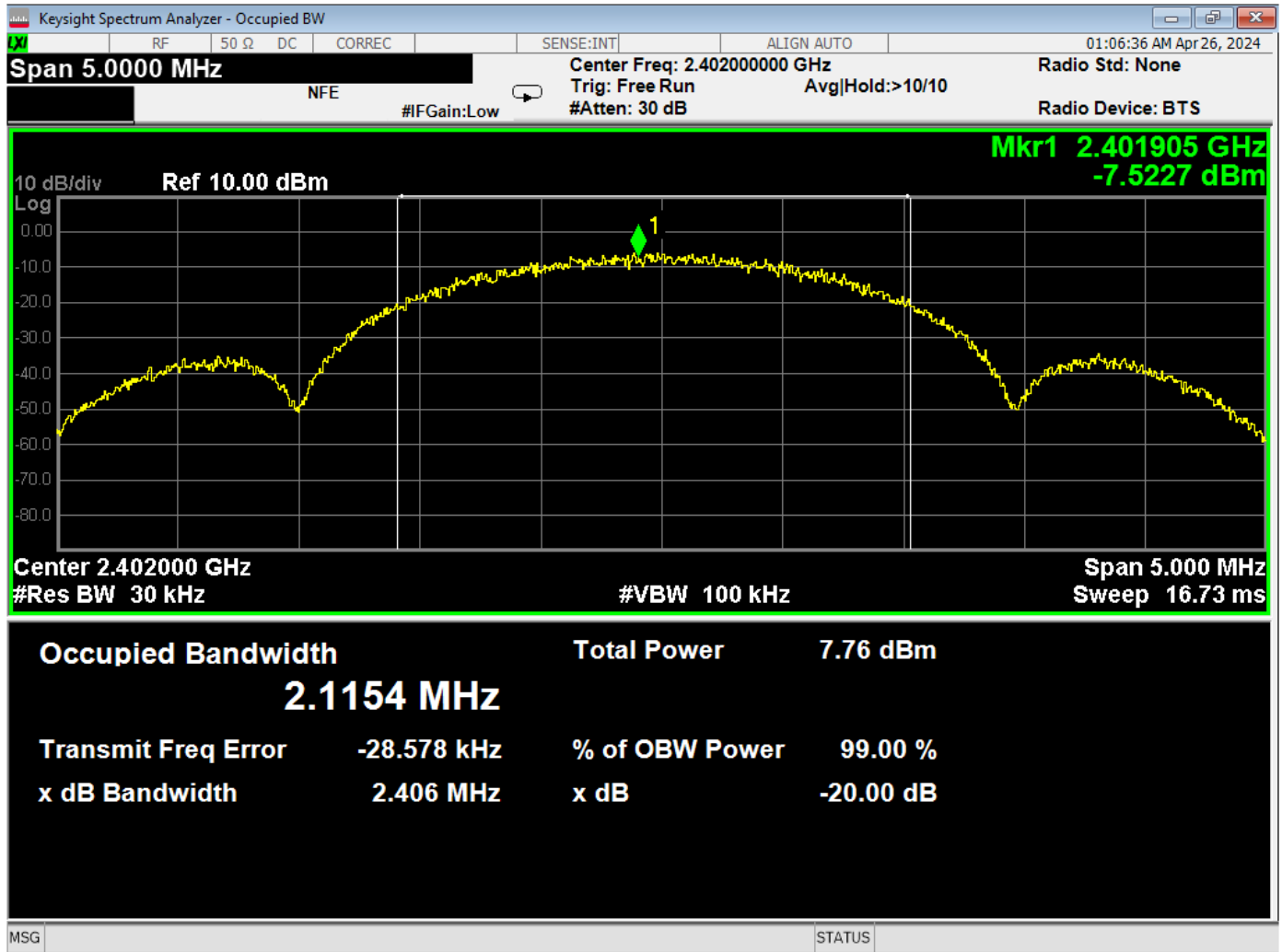
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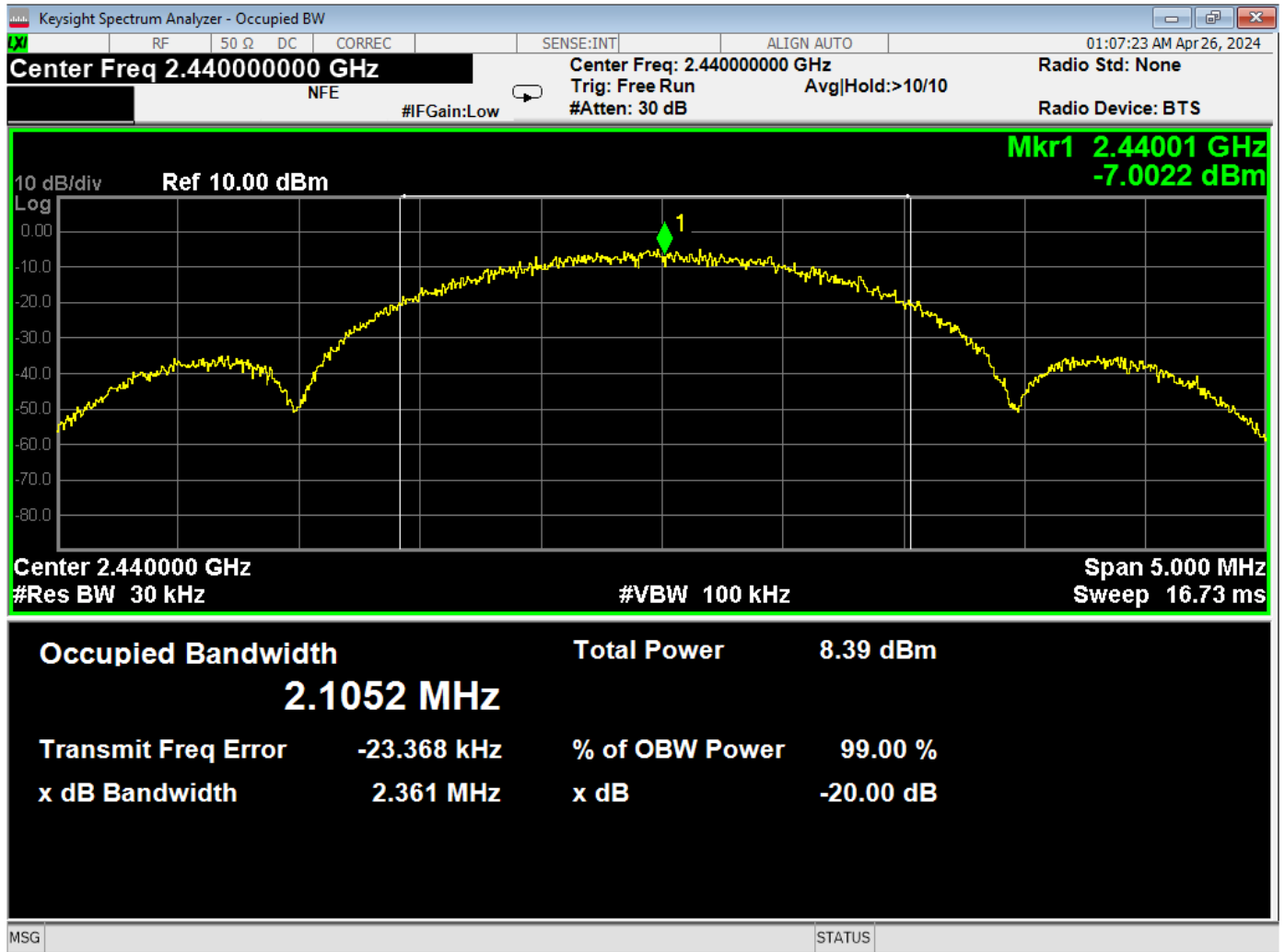
99% Bandwidth – Middle Channel – BLE Mode – 1 Mbit



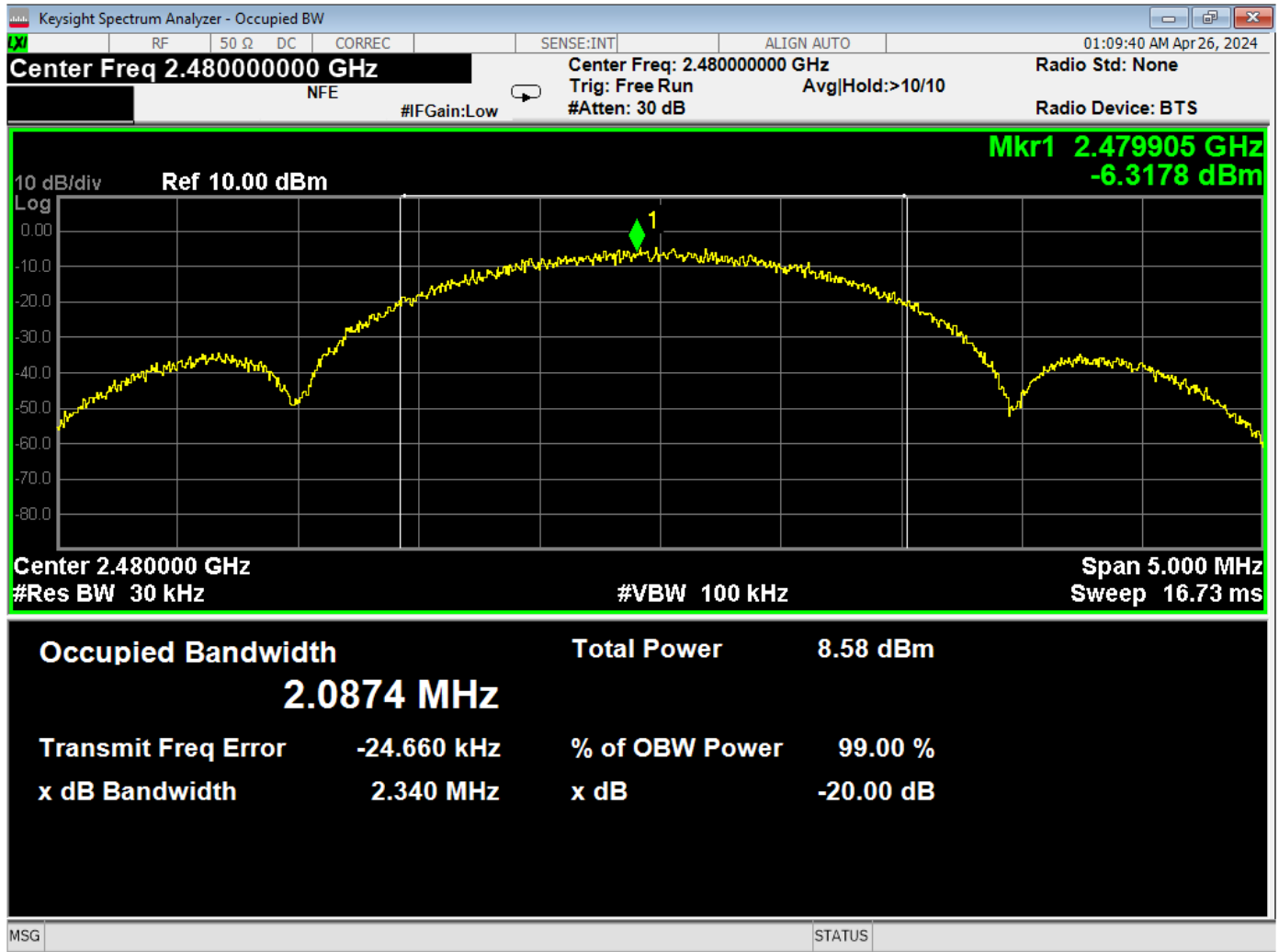
99% Bandwidth – High Channel – BLE Mode – 1 Mbit



99% Bandwidth – Low Channel – BLE Mode – 2 Mbit



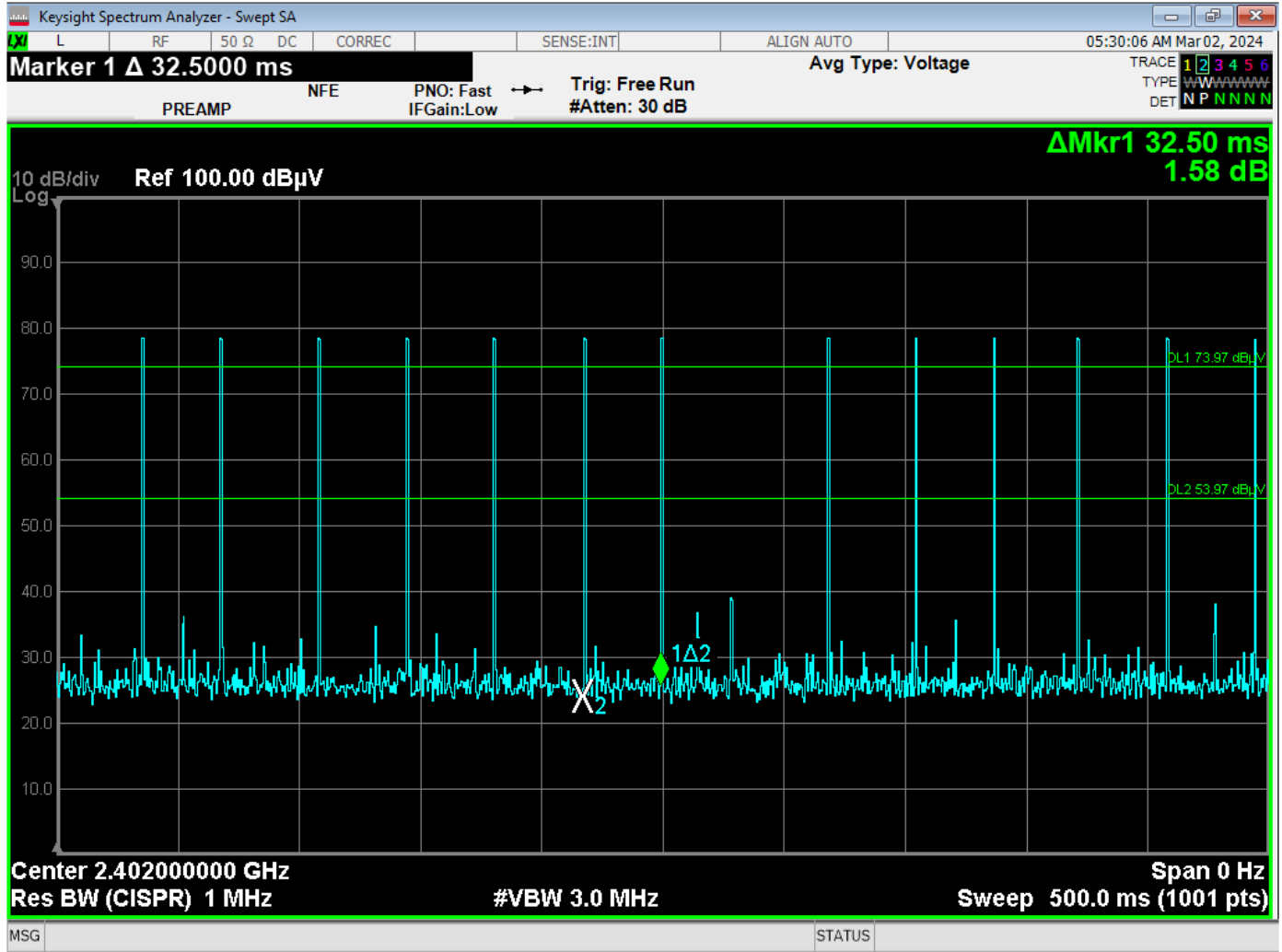
99% Bandwidth – Middle Channel – BLE Mode – 2 Mbit



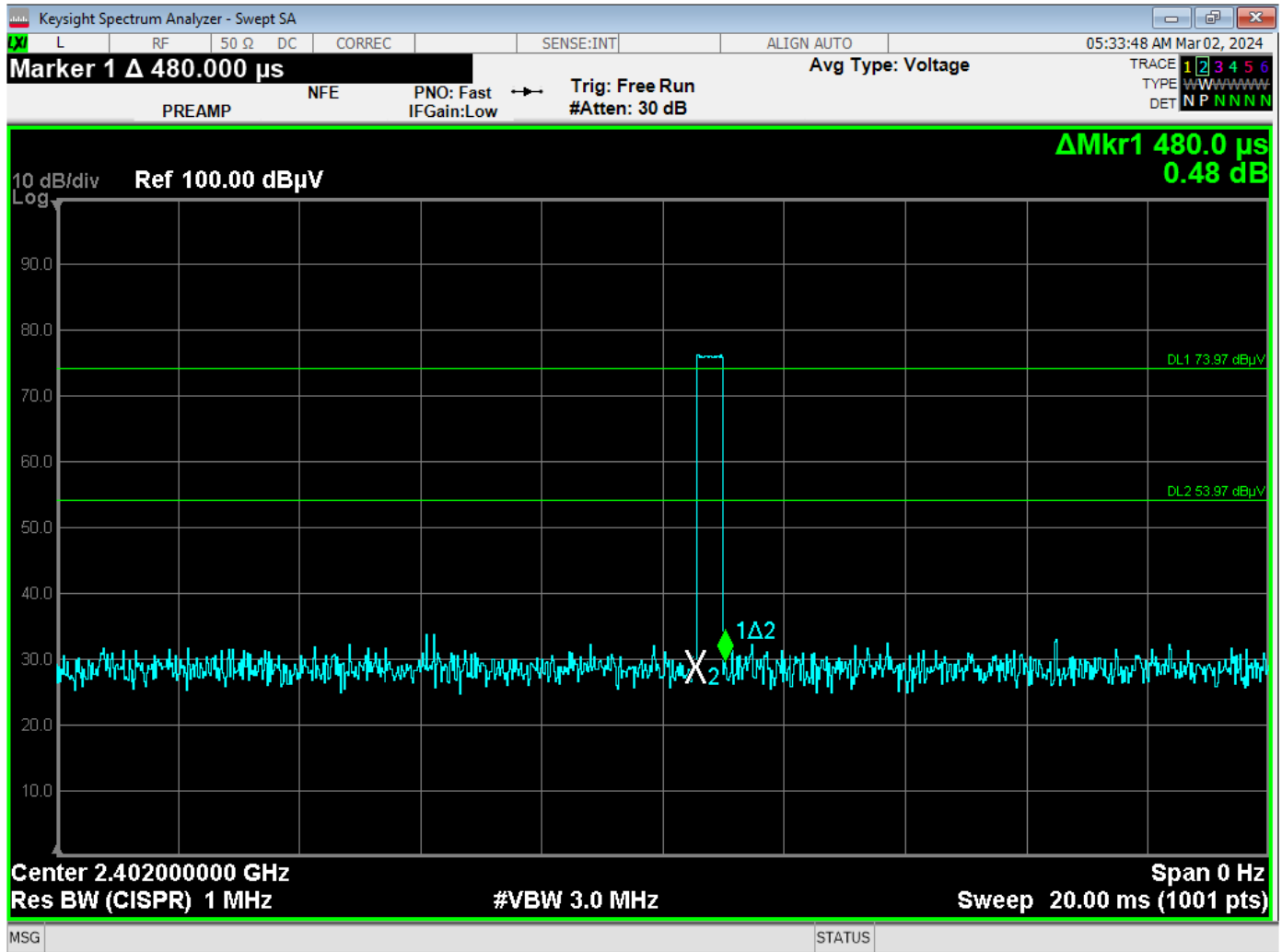
99% Bandwidth – High Channel – BLE Mode – 2 Mbit



***DUTY CYCLE
DATA SHEETS***

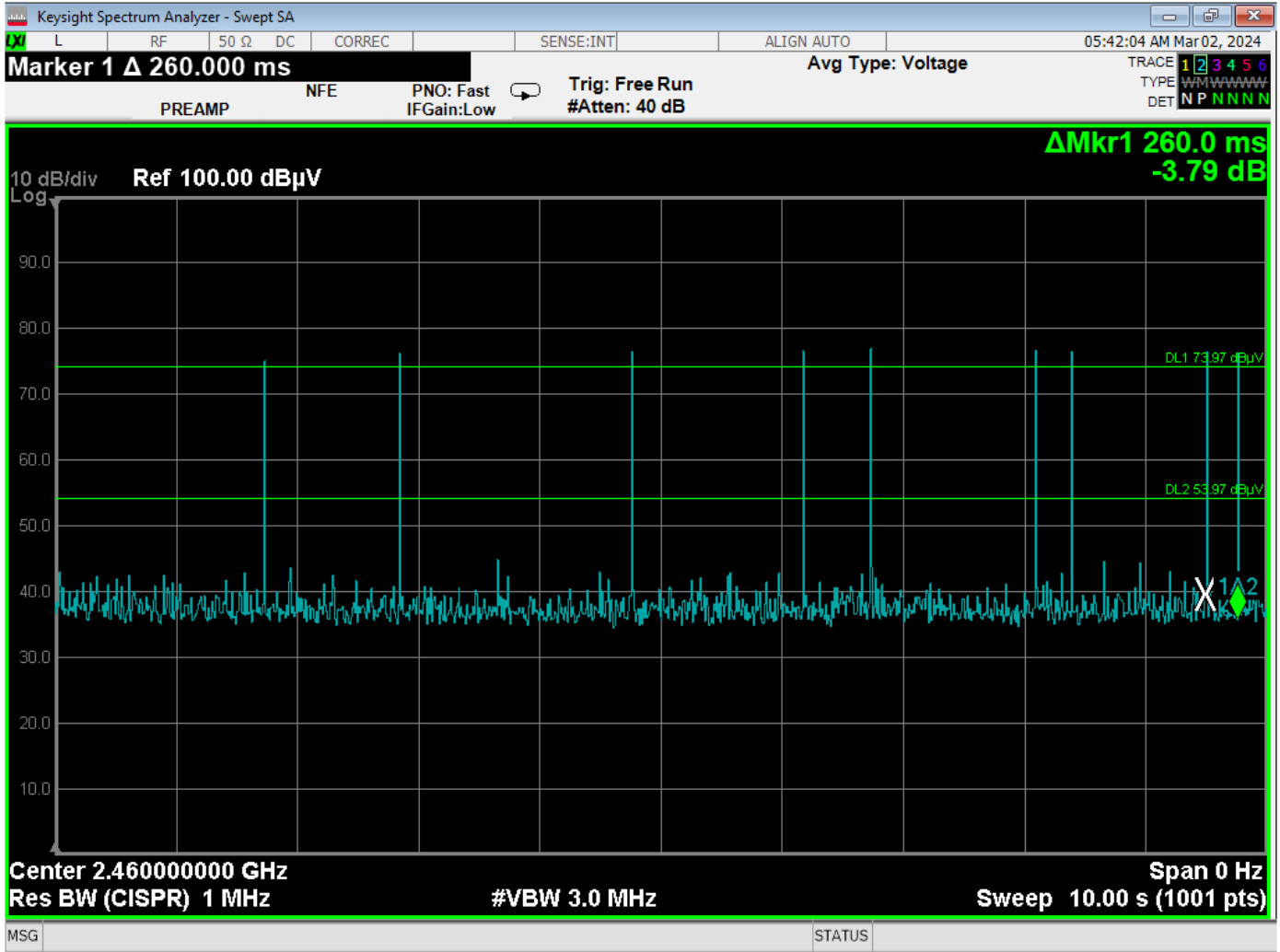


Time Between Pulses – 32.50 ms – Advertising Mode



Time of One Pulse = 480 us

Duty Cycle for Advertising Mode = 480 us / 32.50 ms = 1.48%

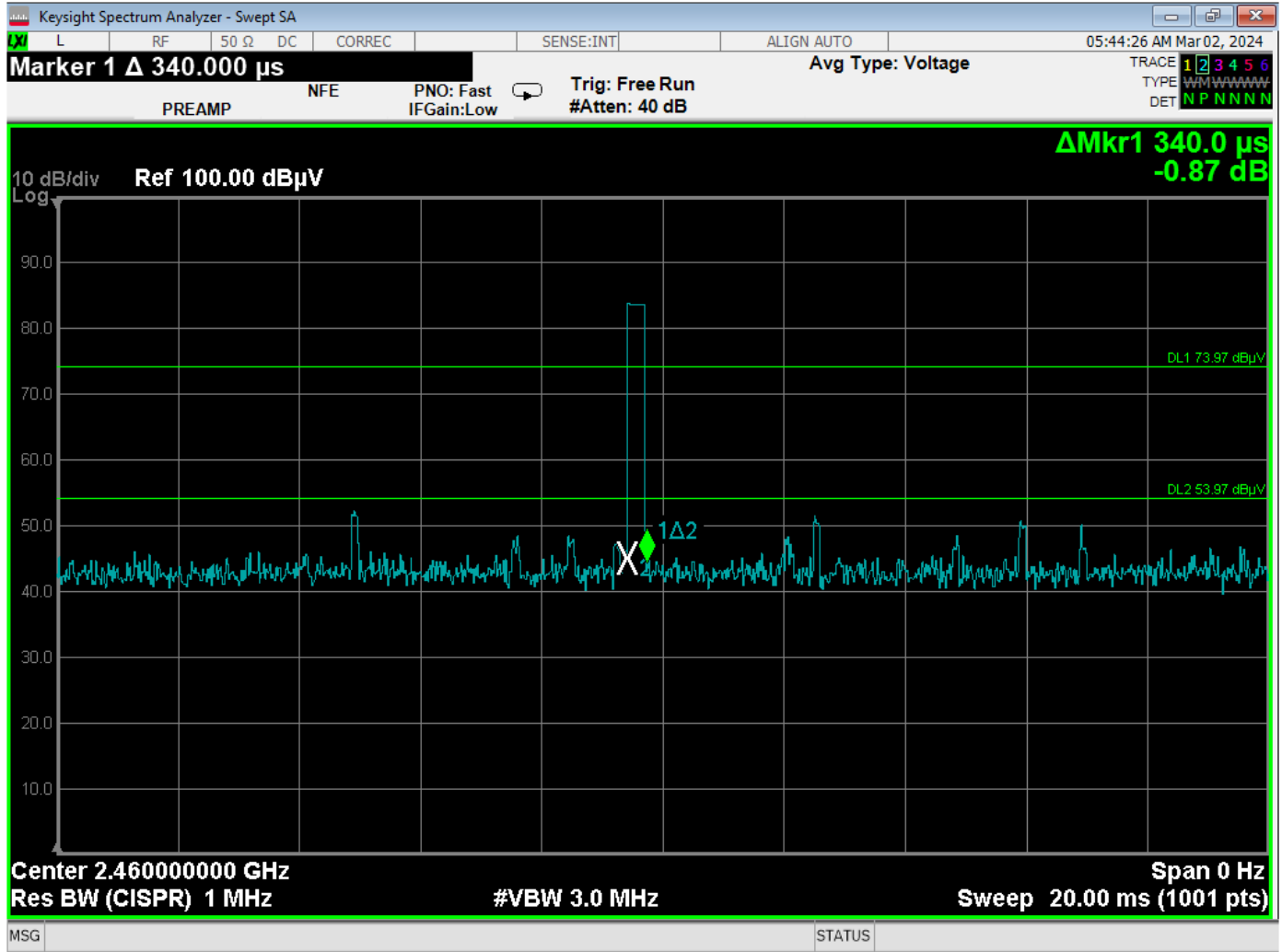


Time Between Pulses – 260 ms – Data Mode

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Time of One Pulse = 340 us

Duty Cycle for Data Mode = 340 us / 260 ms = 0.131%