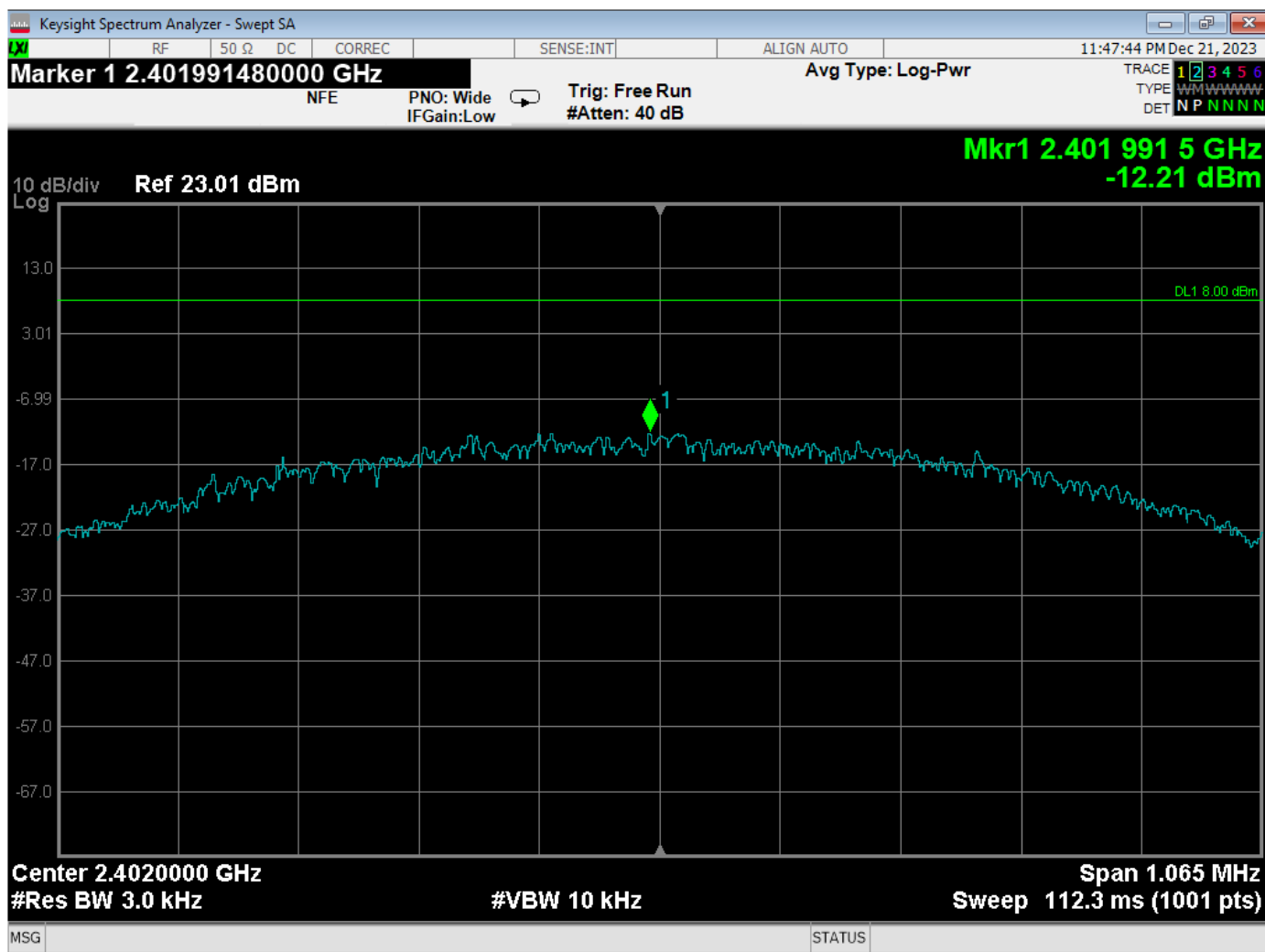
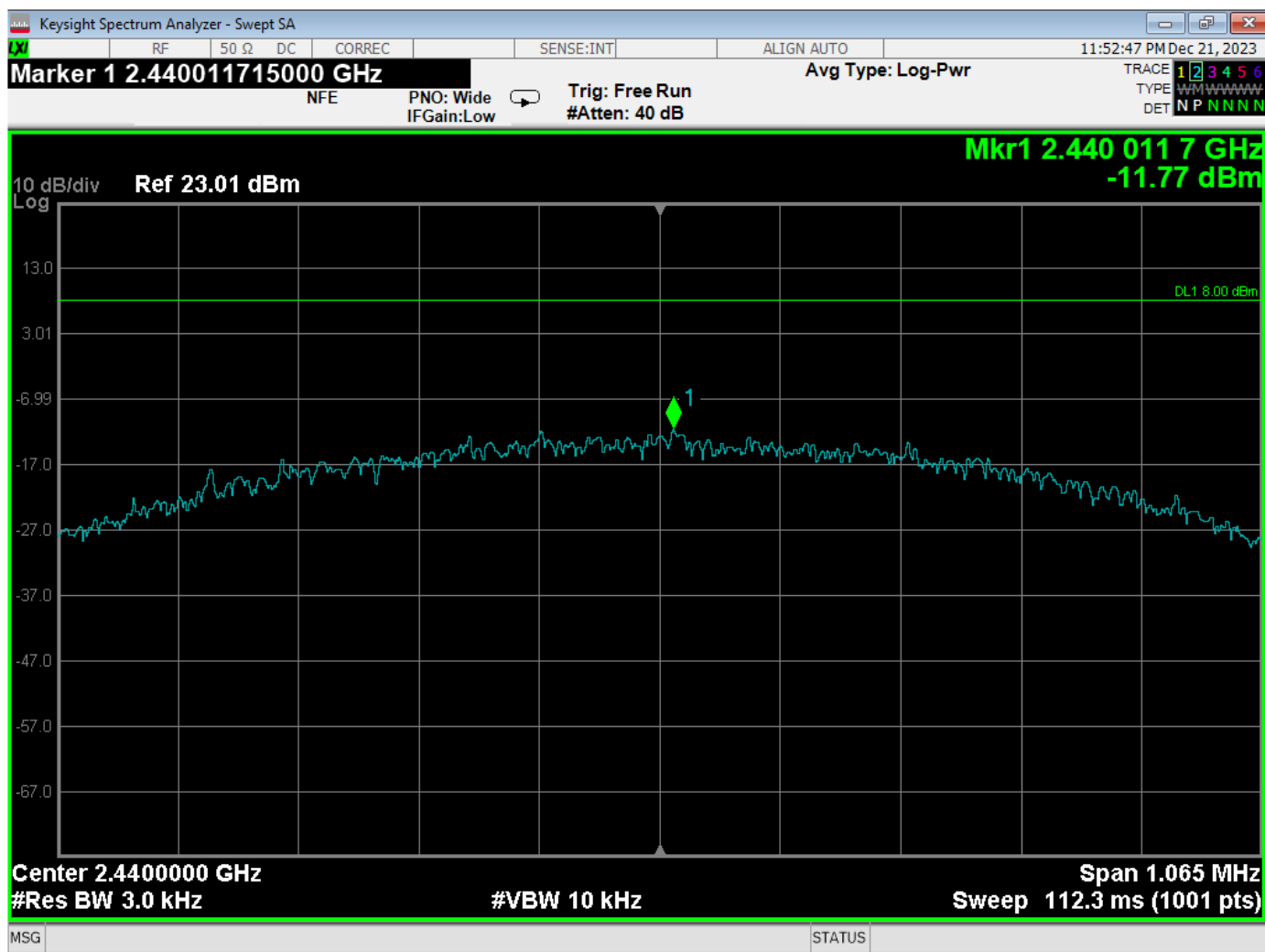




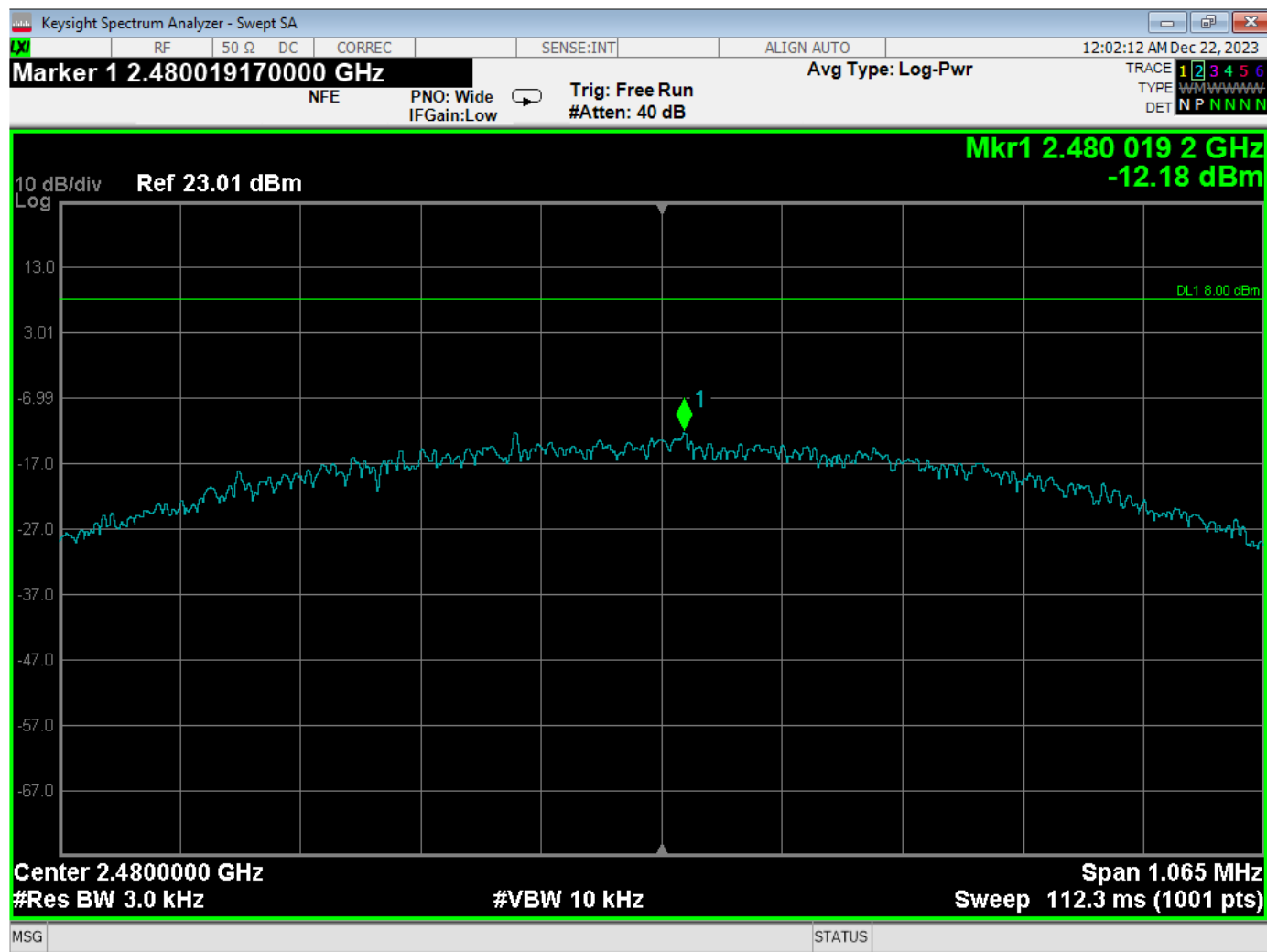
***PEAK POWER SPECTRAL DENSITY
DATA SHEETS***



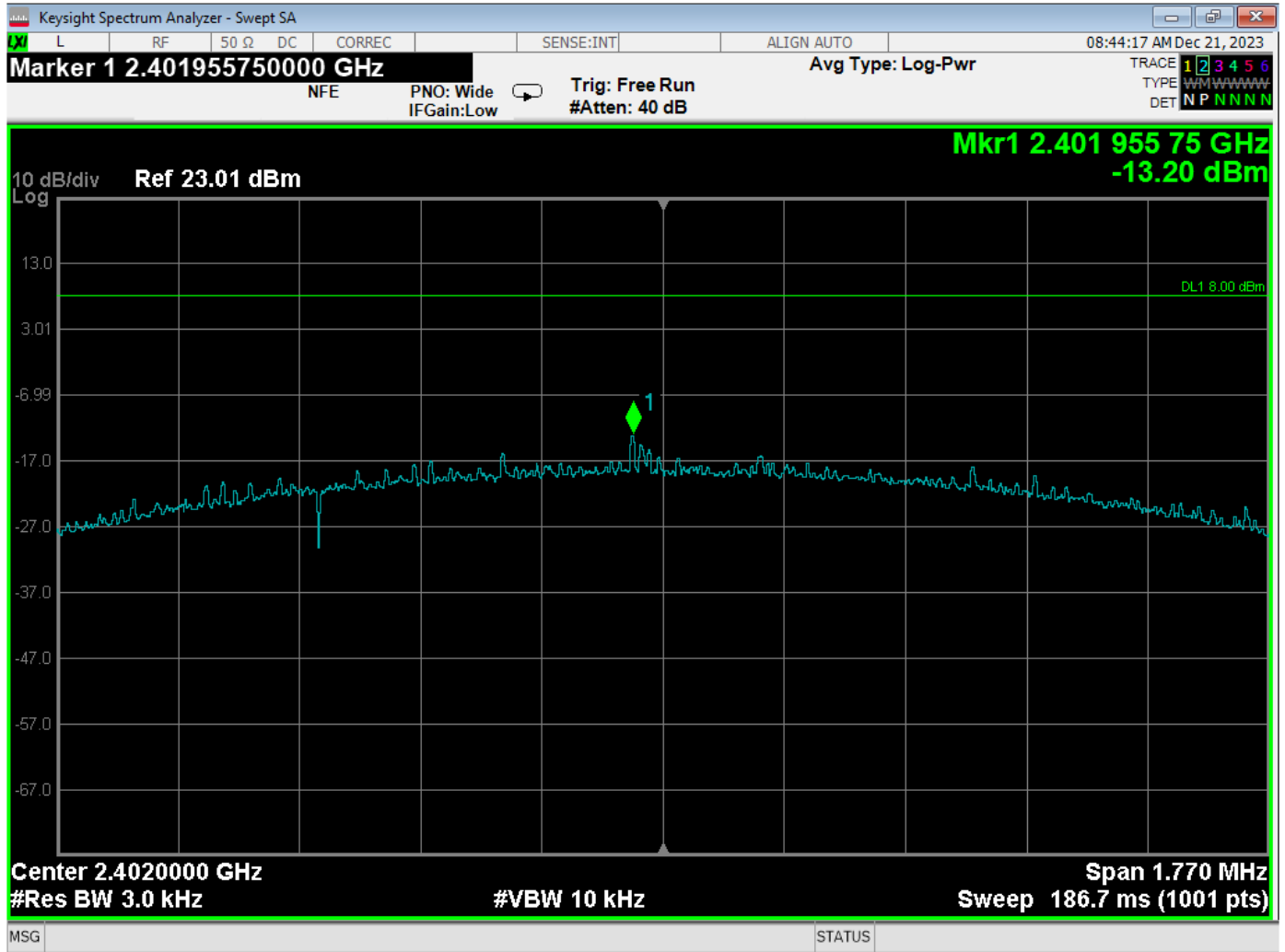
Peak Power Spectral Density – Low Channel – BLE Mode – 1 MBit



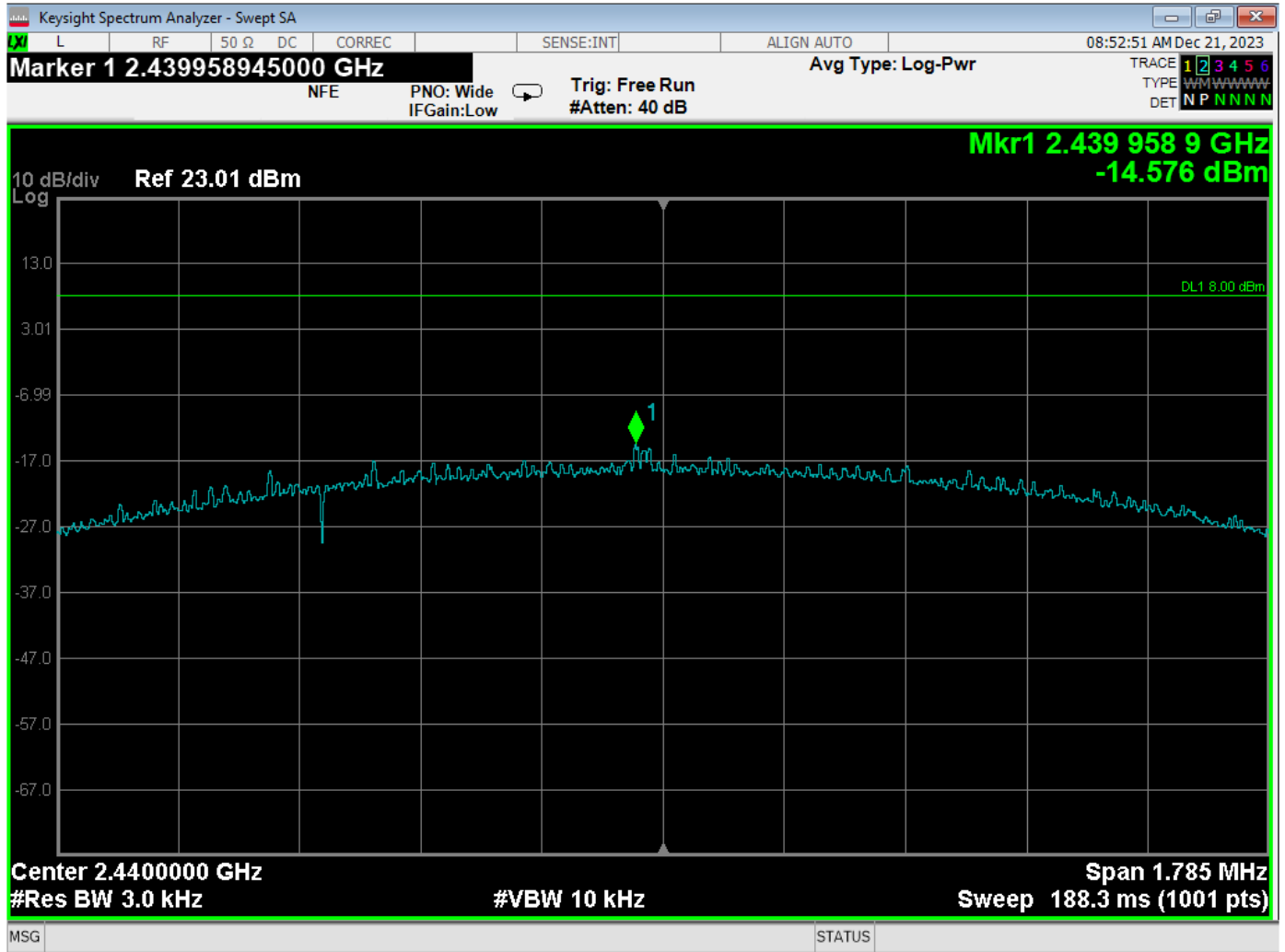
Peak Power Spectral Density – Middle Channel – BLE Mode – 1 Mbit



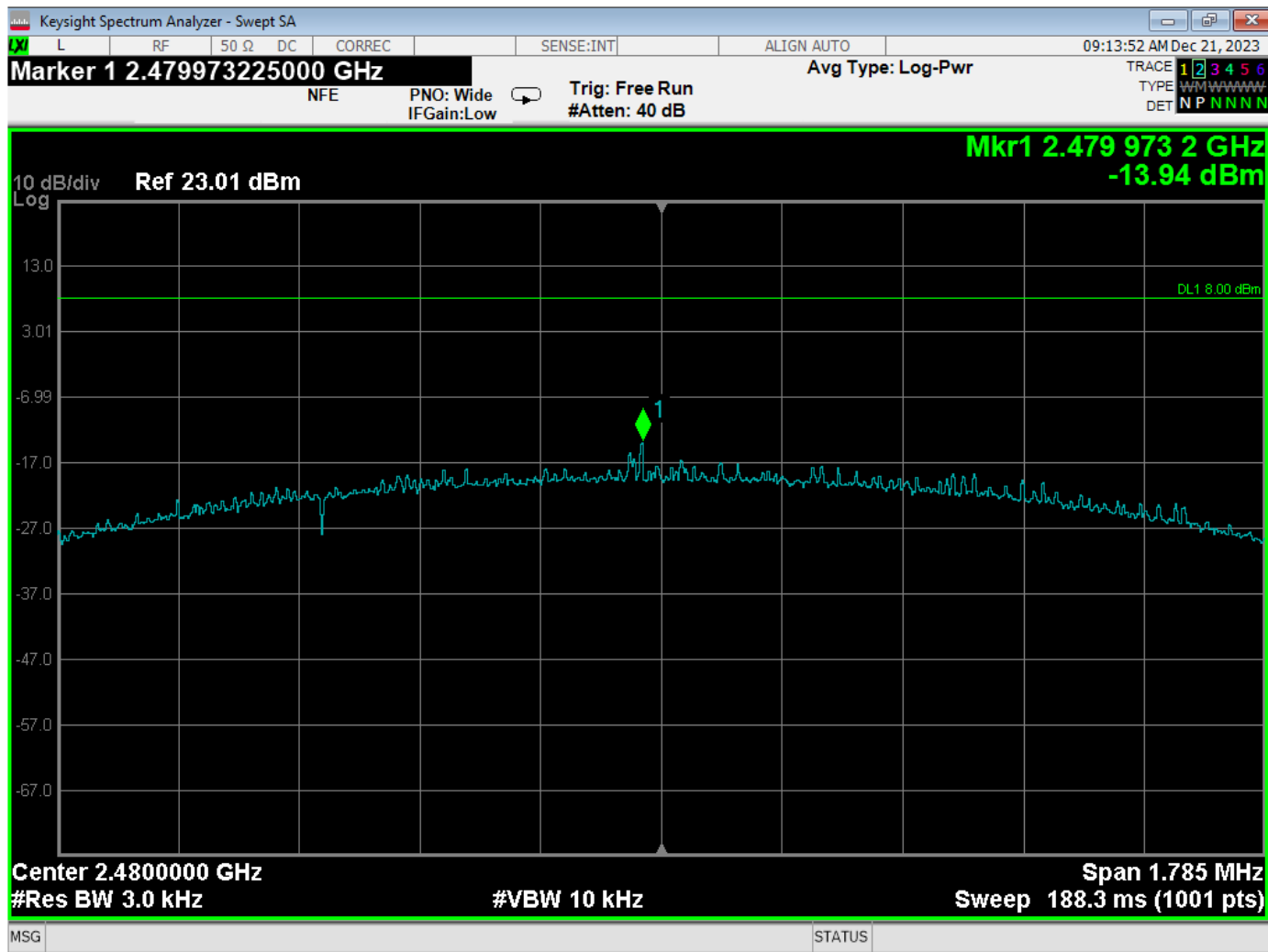
Peak Power Spectral Density – High Channel – BLE Mode – 1 Mbit



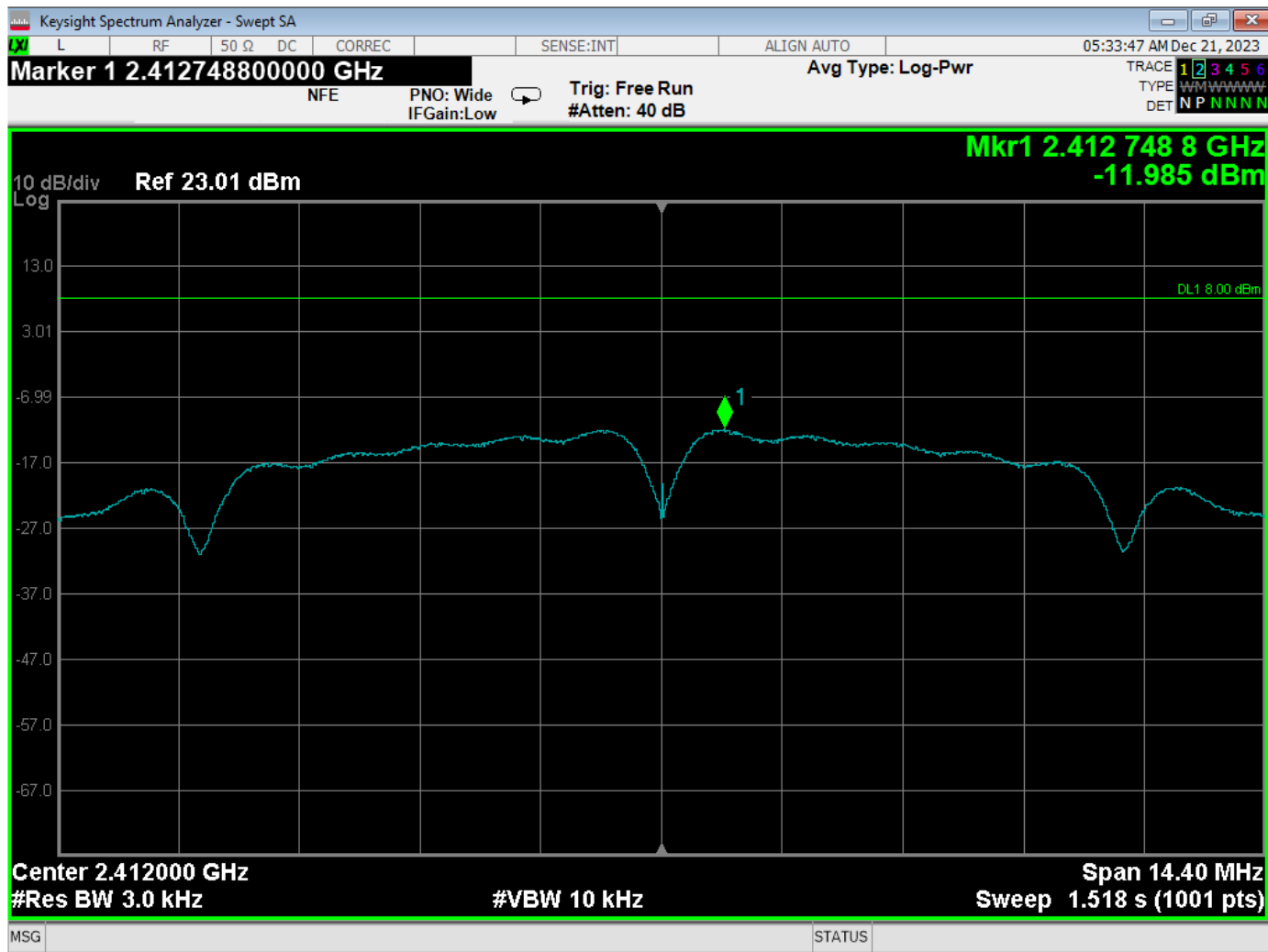
Peak Power Spectral Density – Low Channel – BLE Mode – 2 Mbit



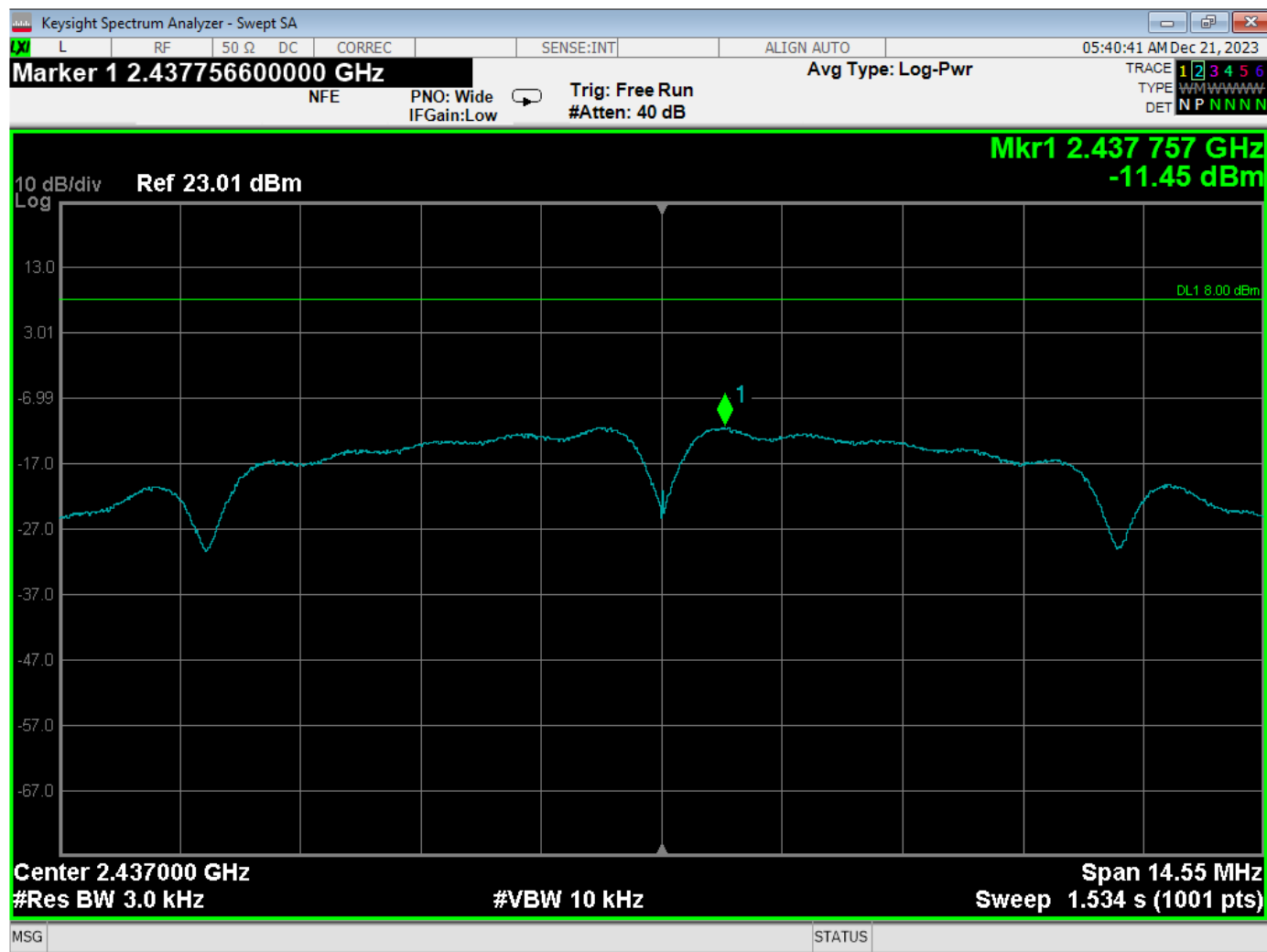
Peak Power Spectral Density – Middle Channel – BLE Mode – 2 Mbit



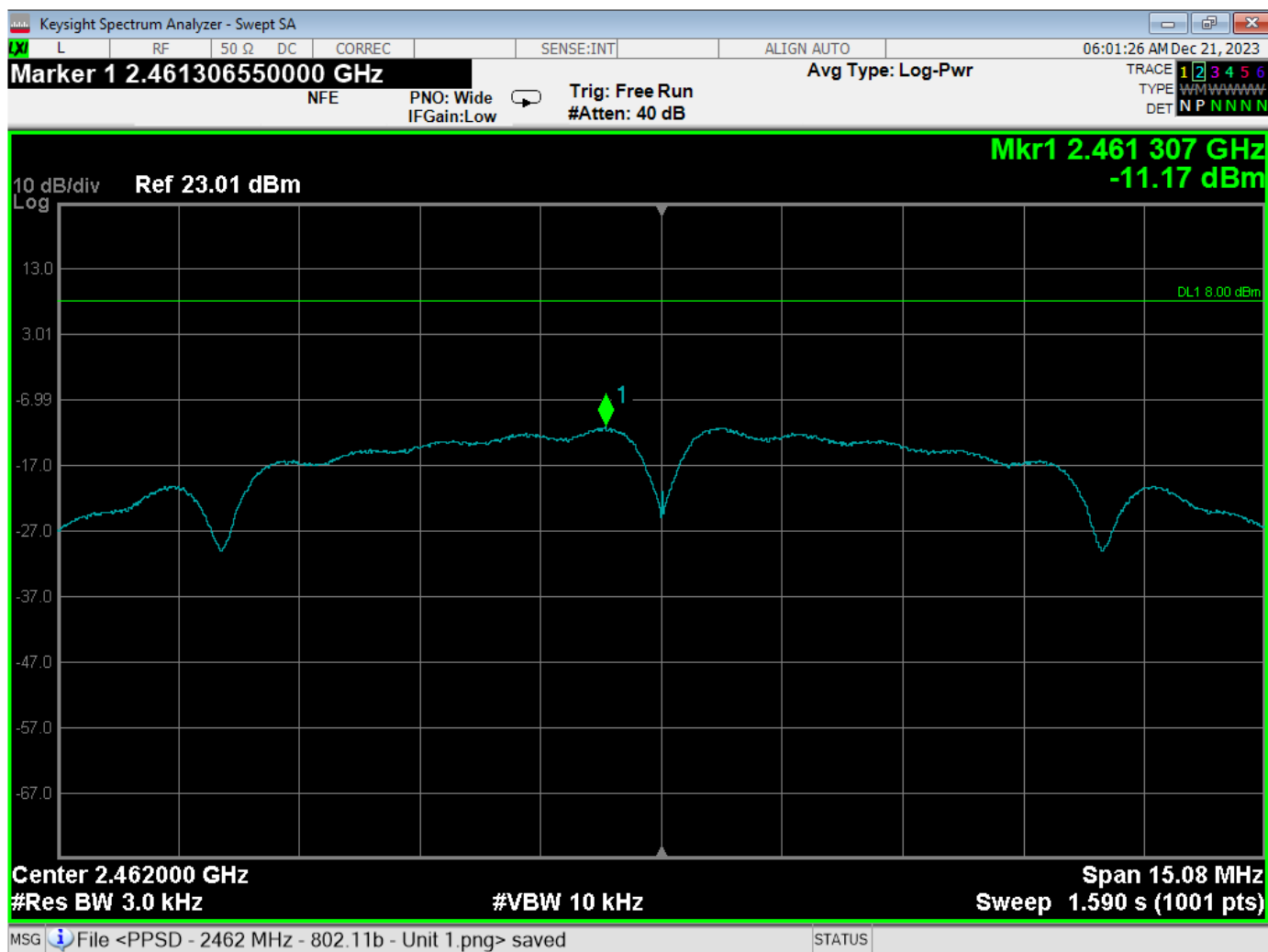
Peak Power Spectral Density – High Channel – BLE Mode – 2 Mbit



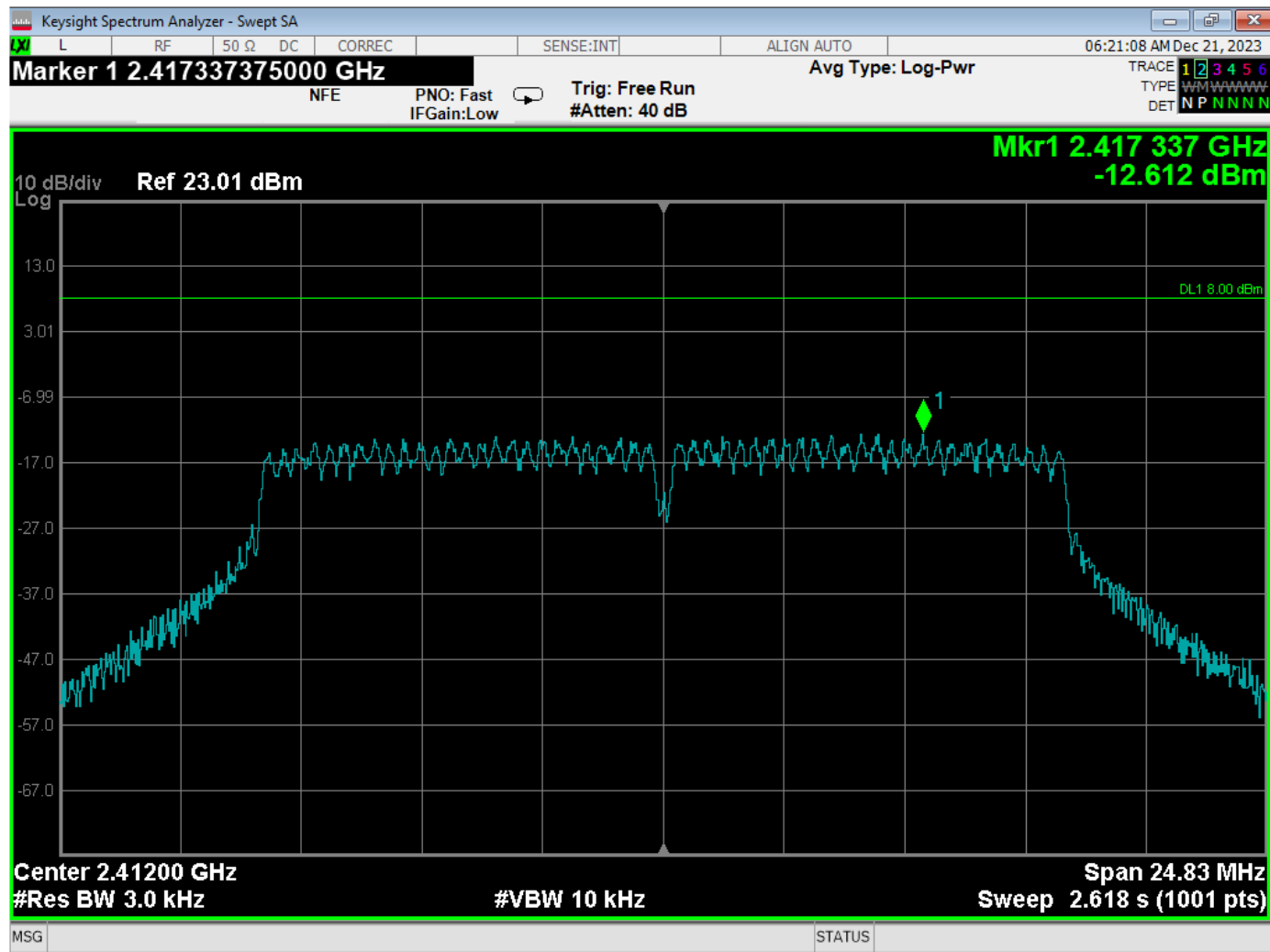
Peak Power Spectral Density – Low Channel – 802.11b Mode



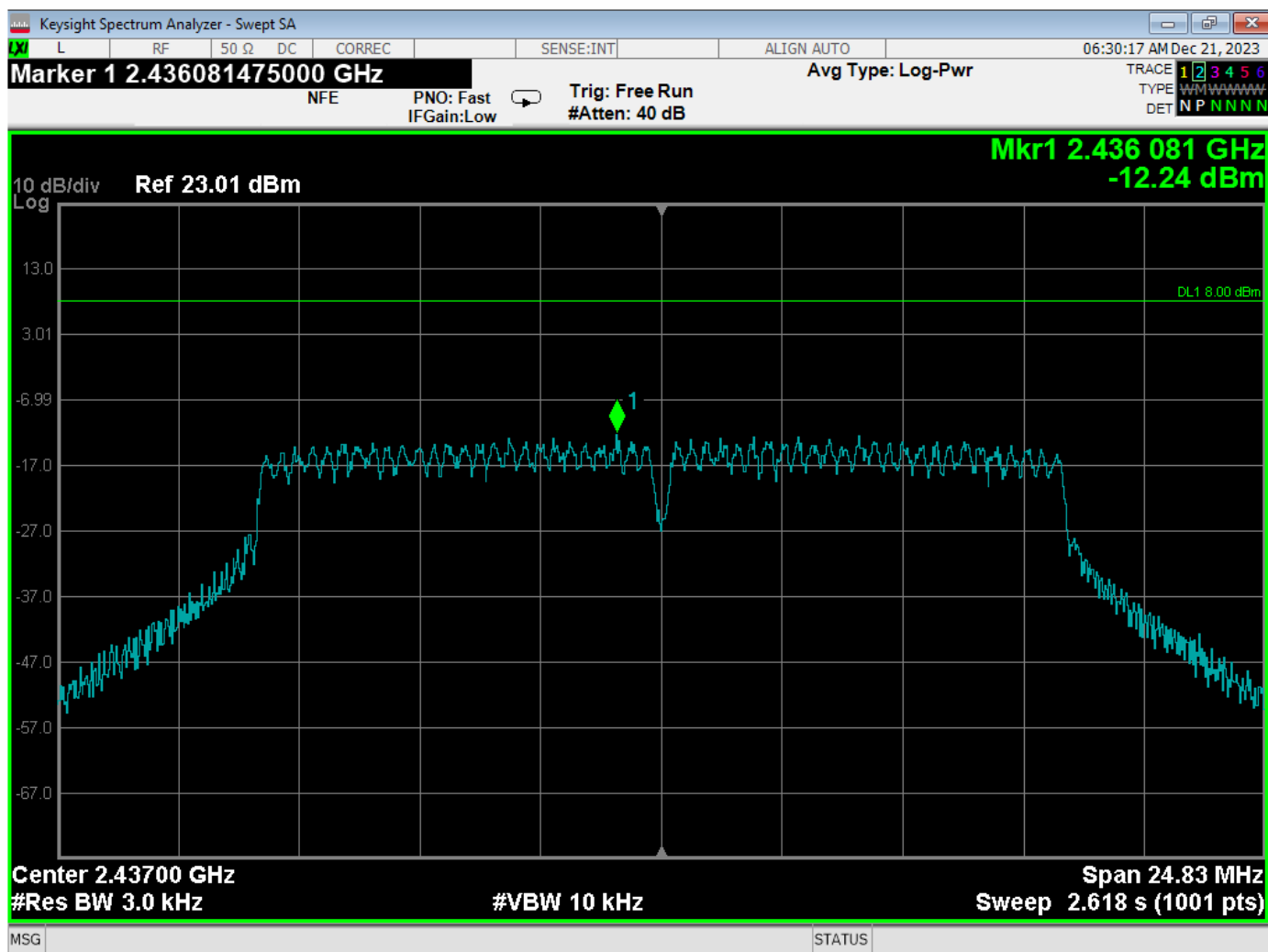
Peak Power Spectral Density – Middle Channel – 802.11b Mode



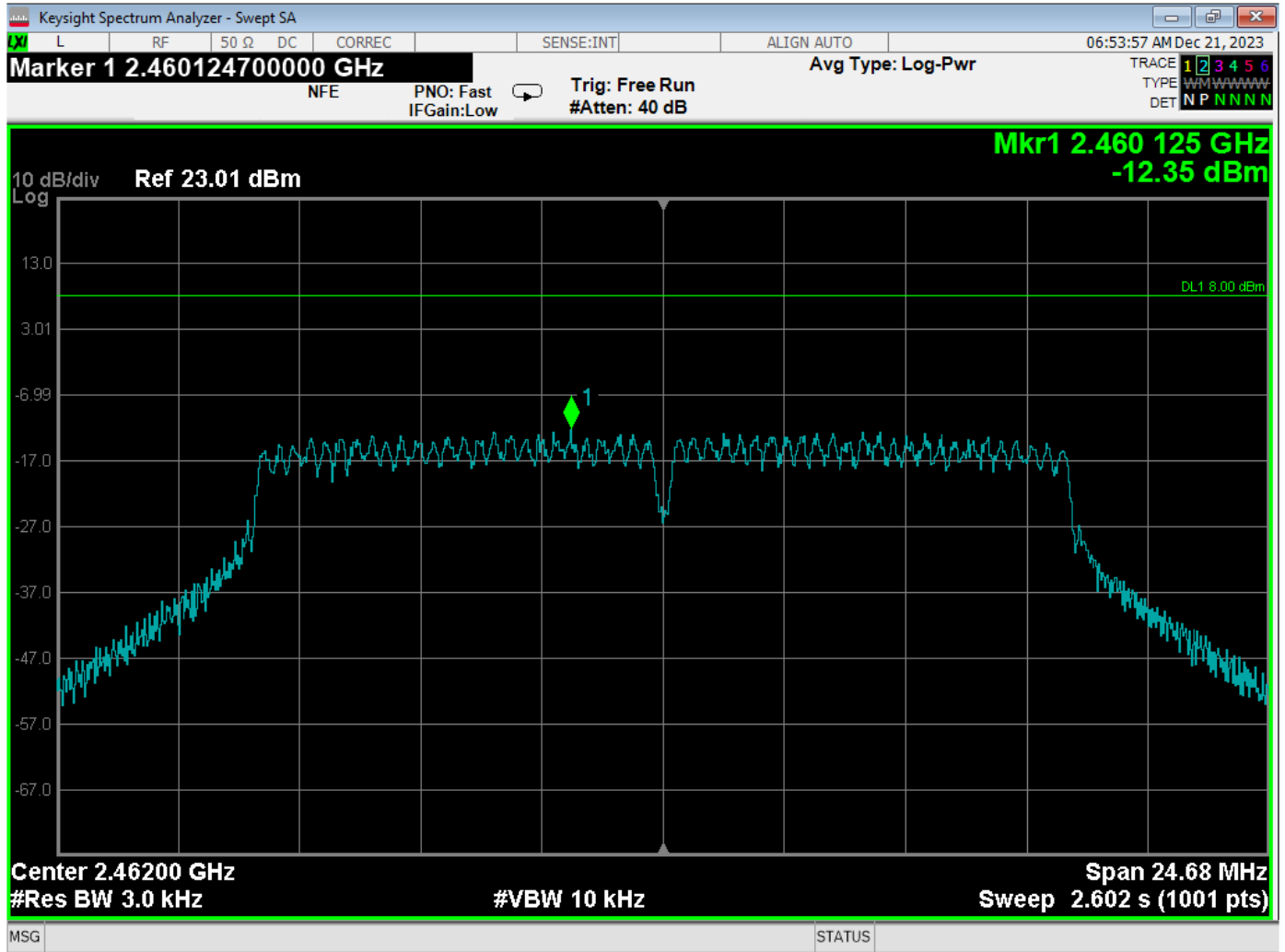
Peak Power Spectral Density – High Channel – 802.11b Mode



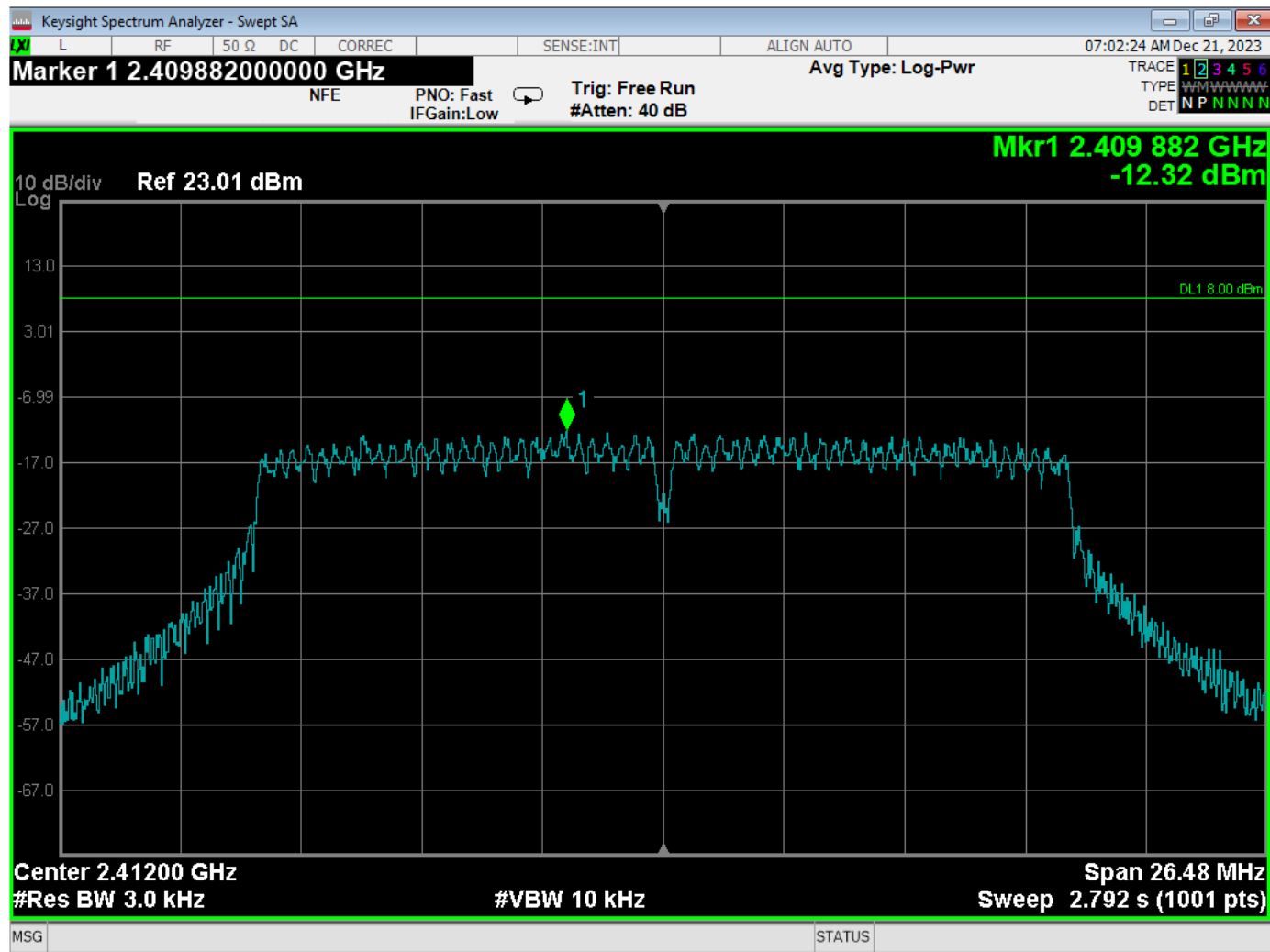
Peak Power Spectral Density – Low Channel – 802.11g Mode



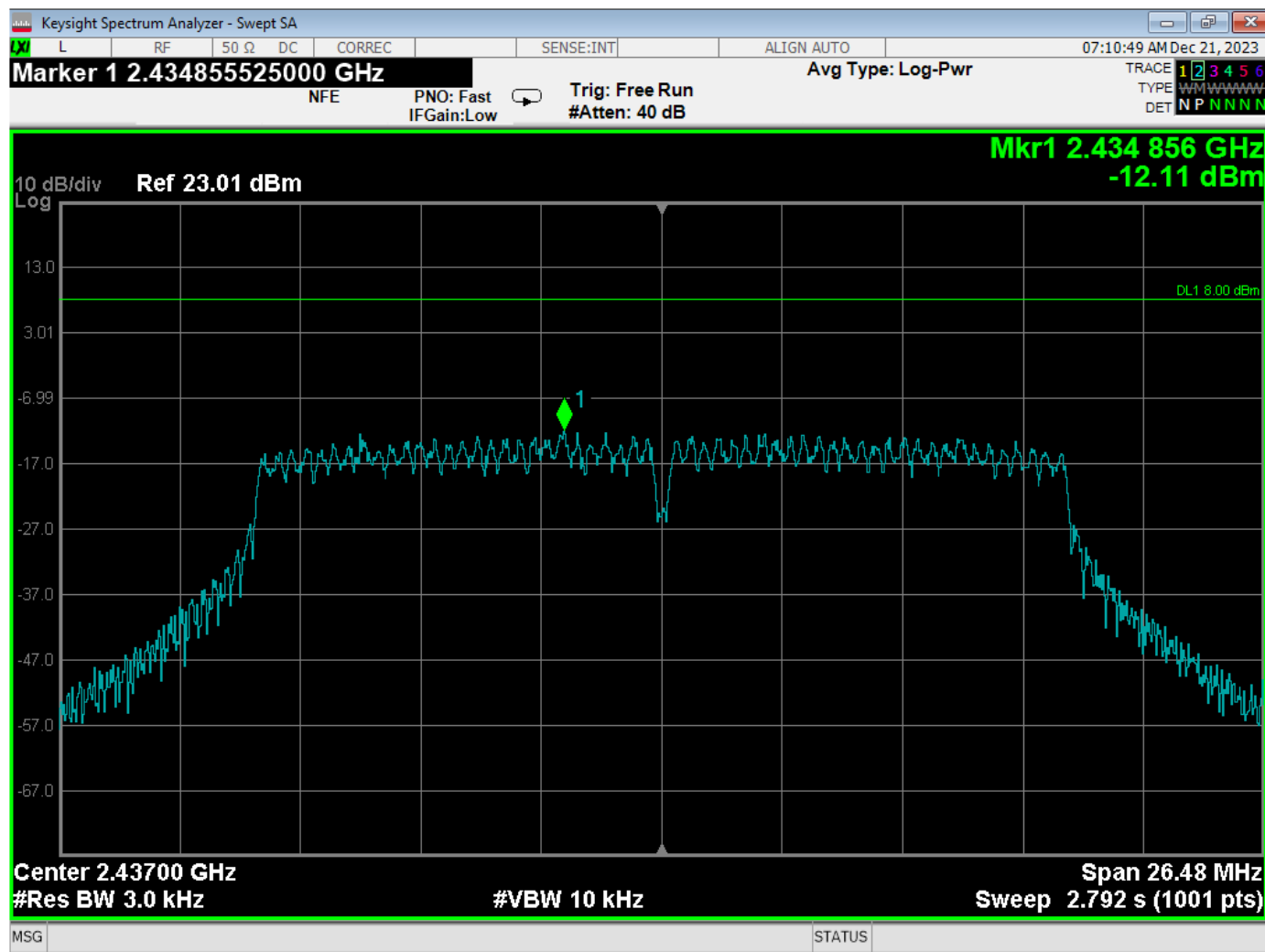
Peak Power Spectral Density – Middle Channel – 802.11g Mode



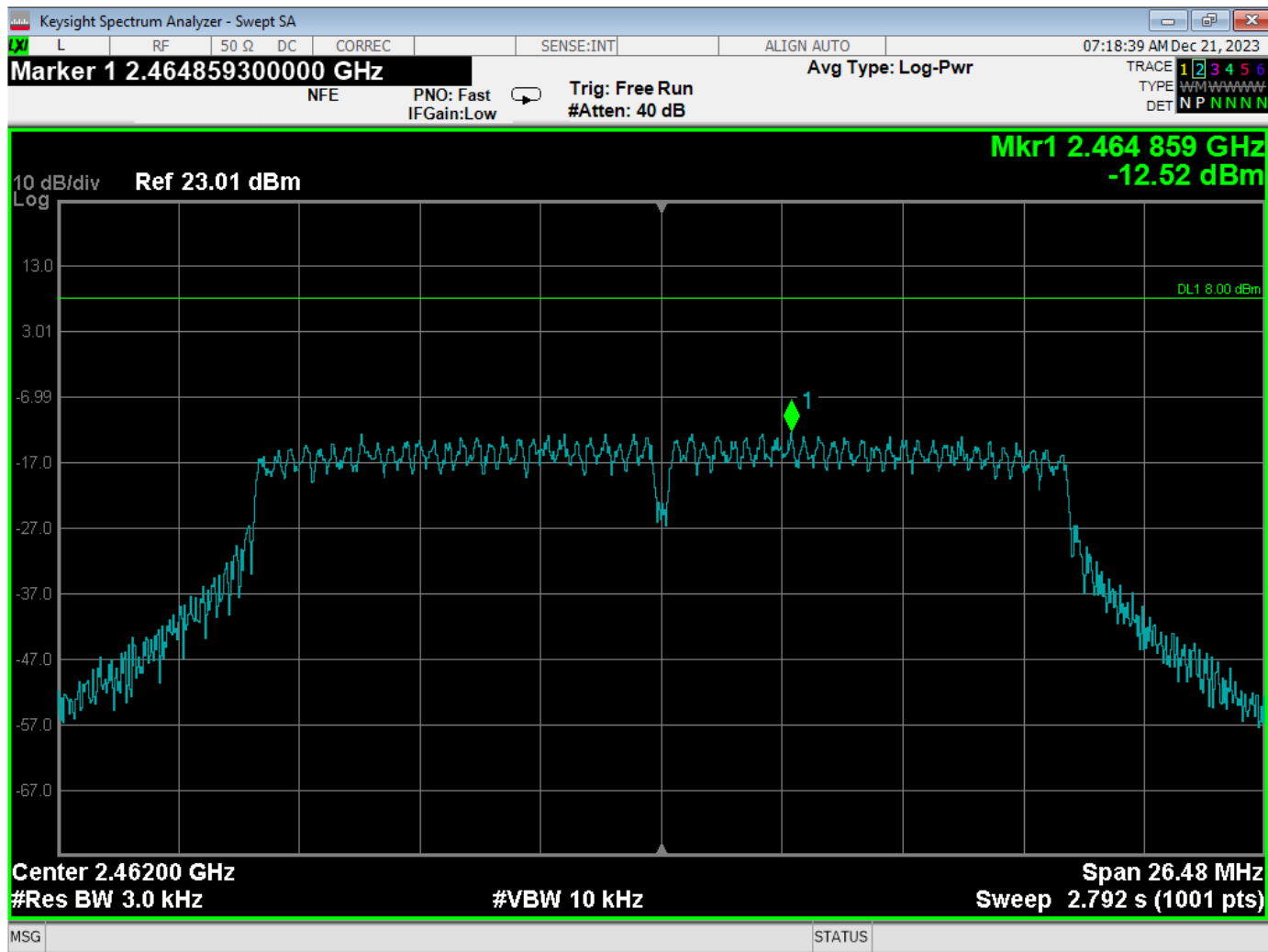
Peak Power Spectral Density – High Channel – 802.11g Mode



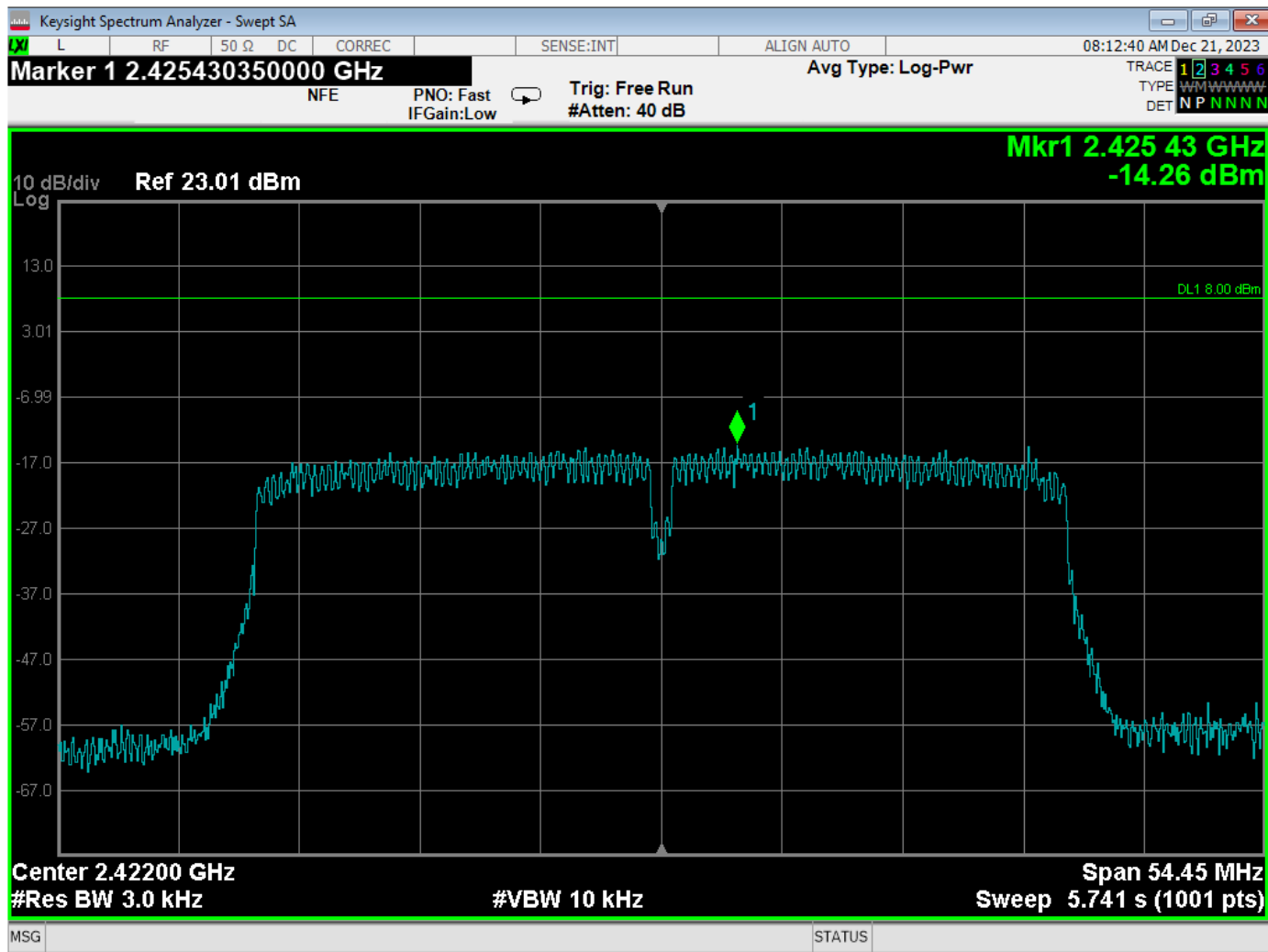
Peak Power Spectral Density – Low Channel – 802.11n Mode – 20 MHz



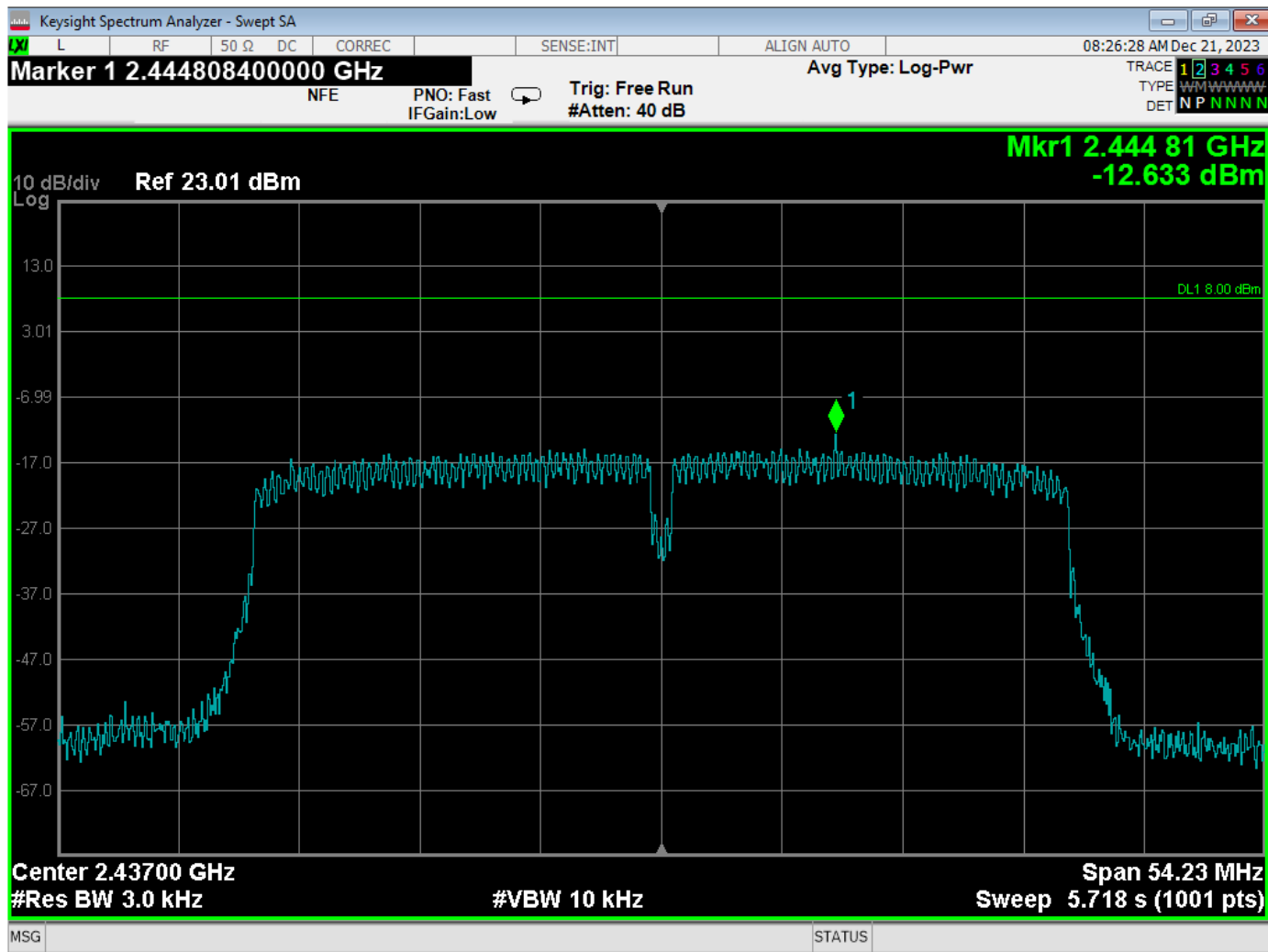
Peak Power Spectral Density – Middle Channel – 802.11n Mode – 20 MHz



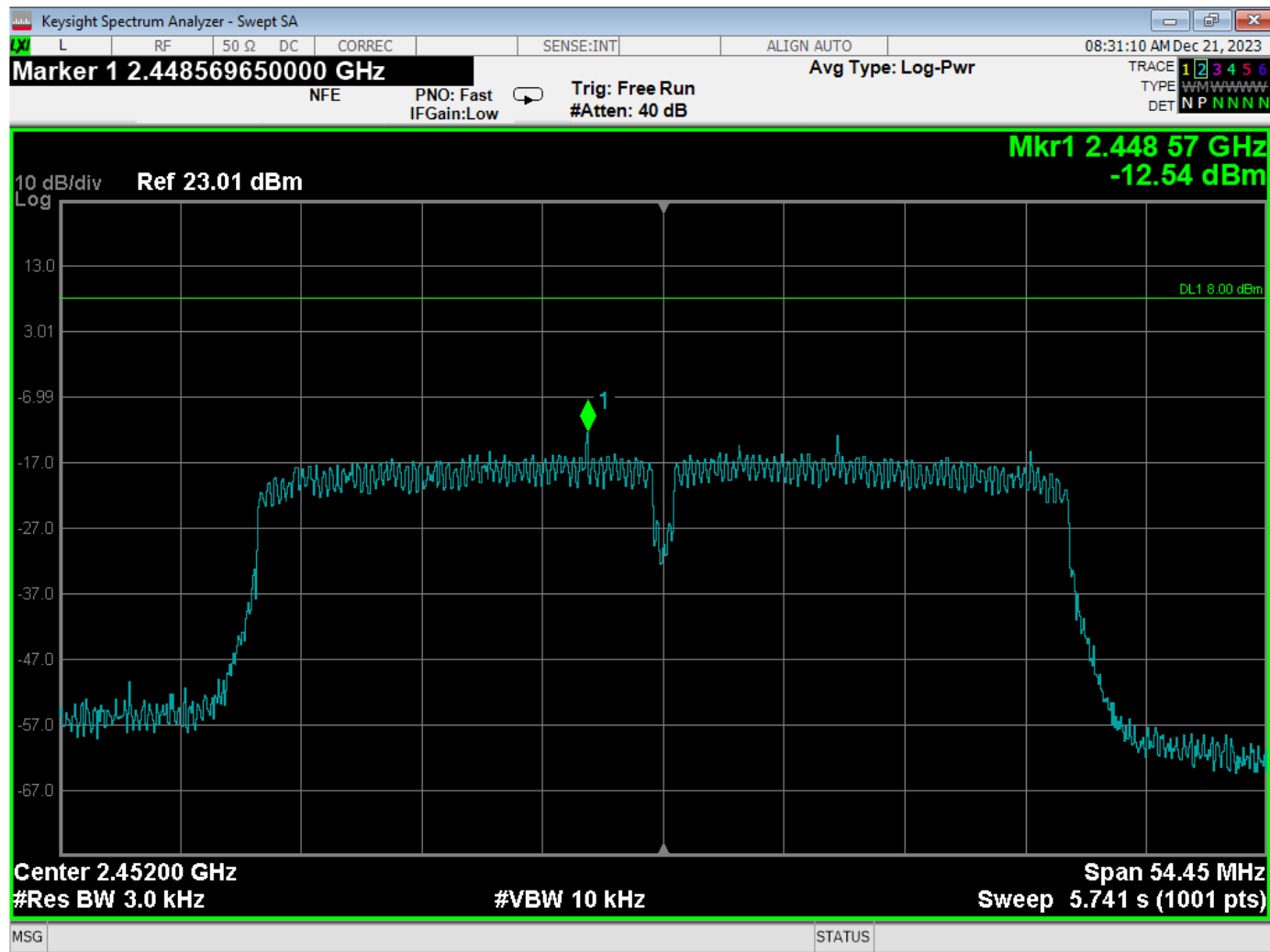
Peak Power Spectral Density – High Channel – 802.11n Mode – 20 MHz



Peak Power Spectral Density – Low Channel – 802.11n Mode – 40 MHz



Peak Power Spectral Density – Middle Channel – 802.11n Mode – 40 MHz

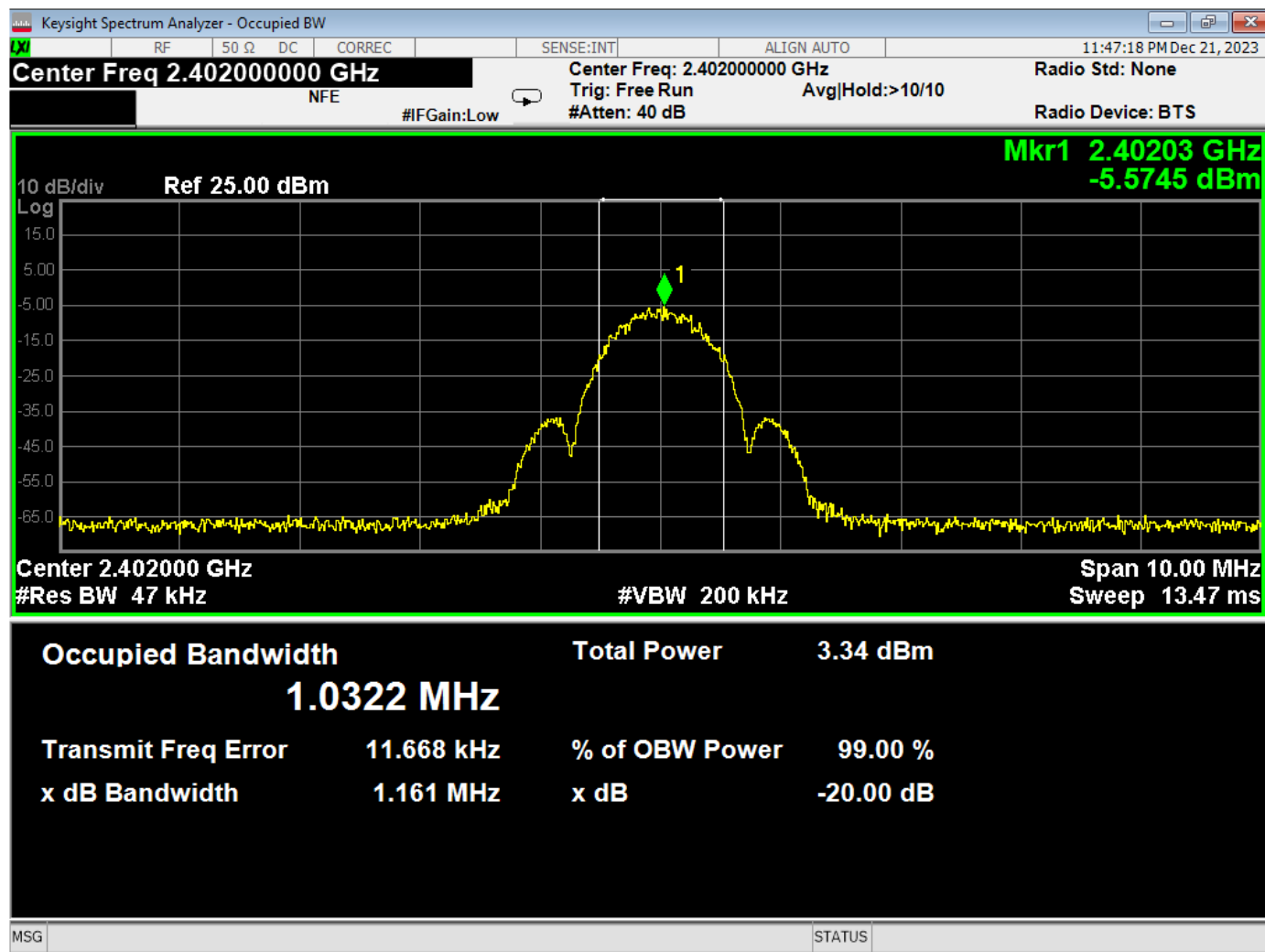


Peak Power Spectral Density – High Channel – 802.11n Mode – 40 MHz

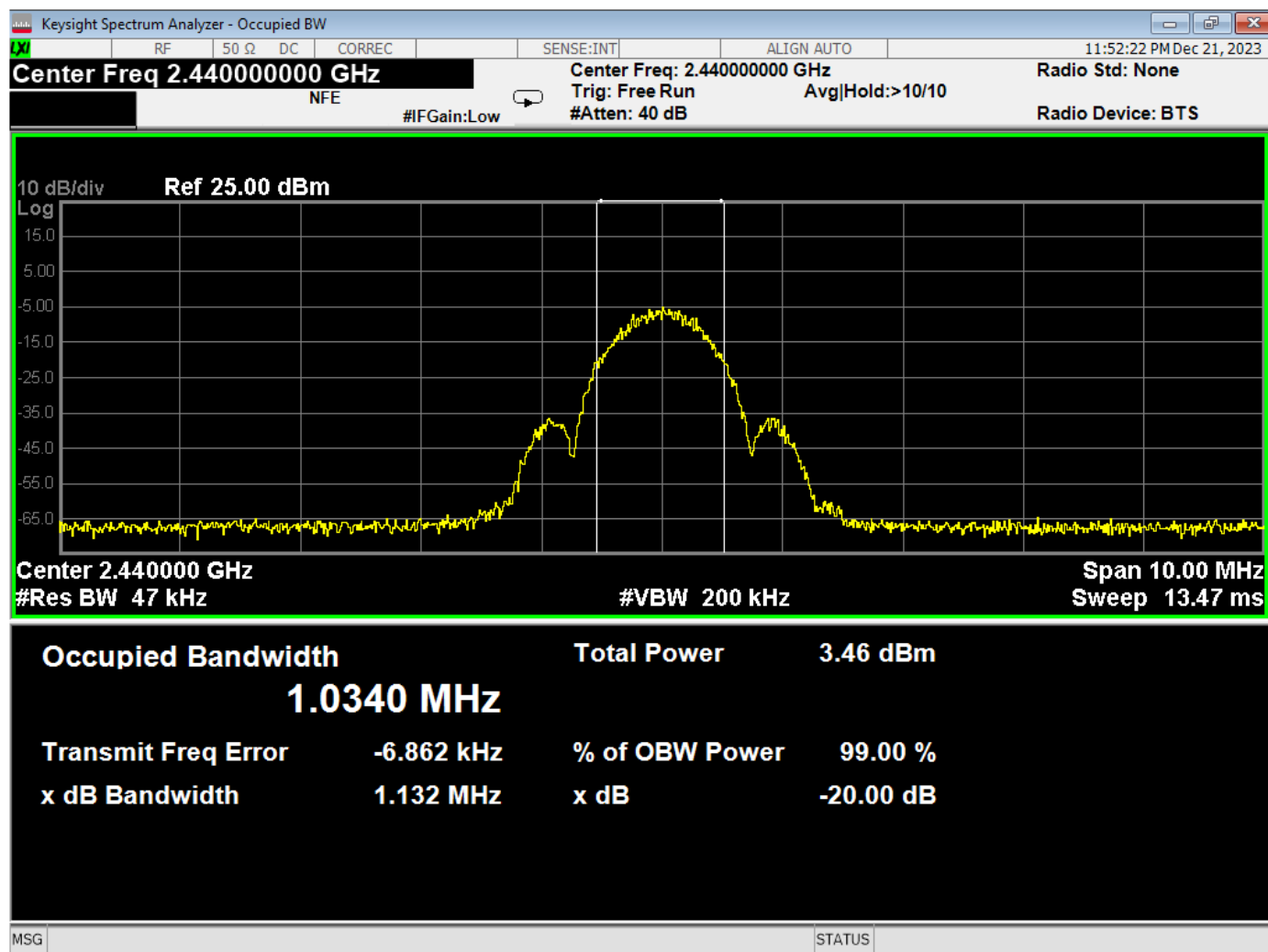


99% BANDWIDTH

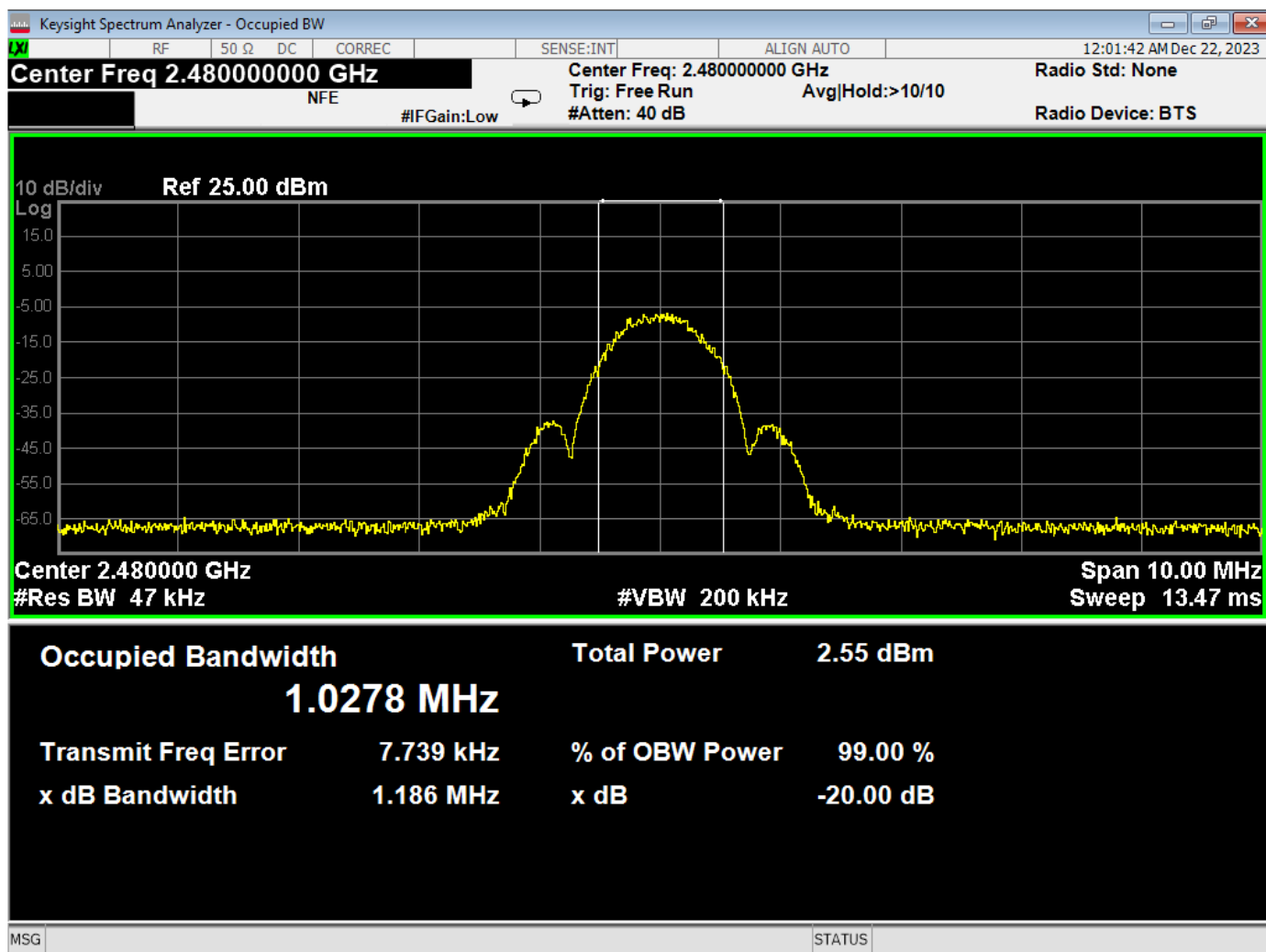
DATA SHEETS



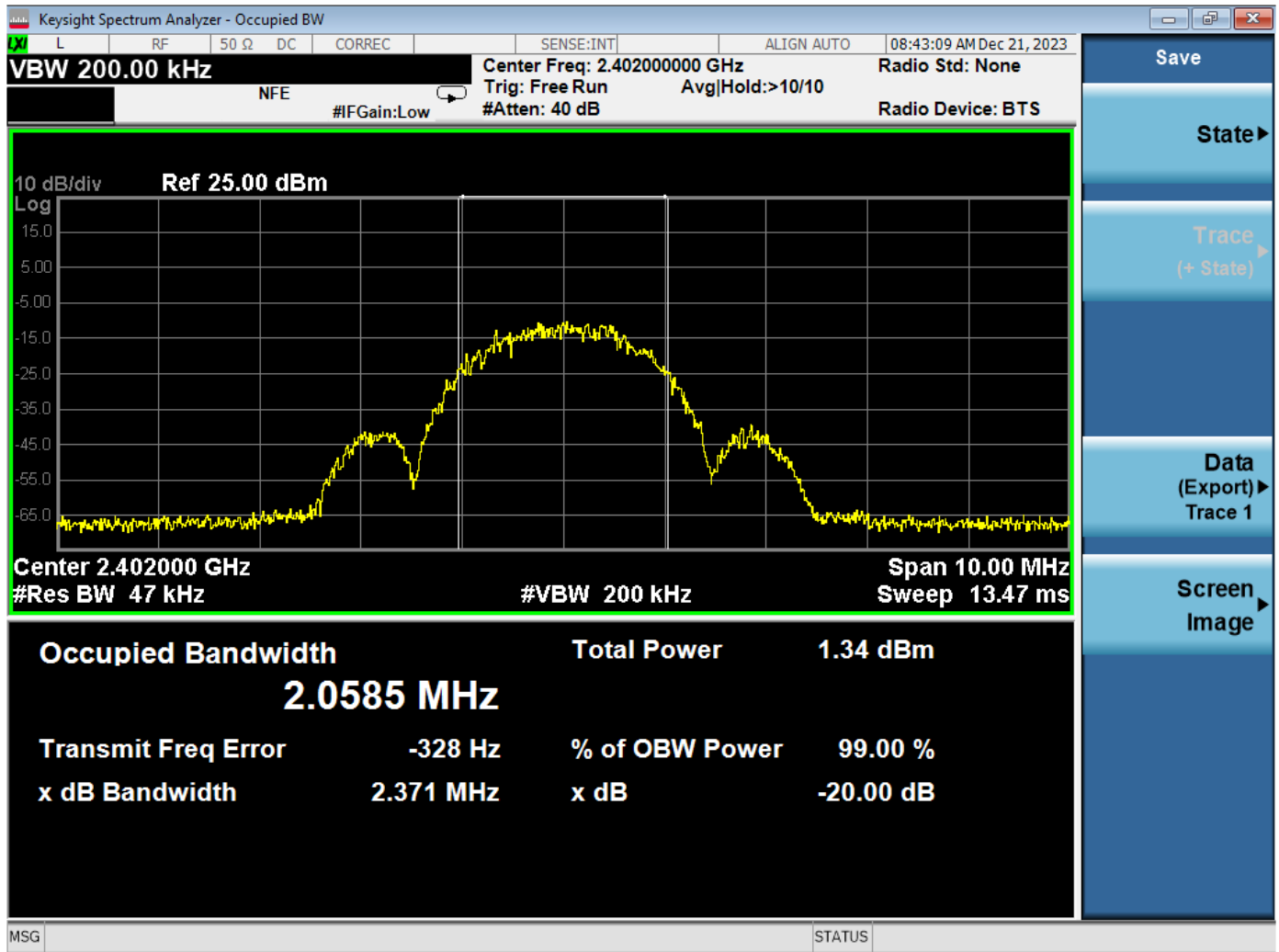
99% Bandwidth – Low Channel – BLE Mode – 1 Mbit



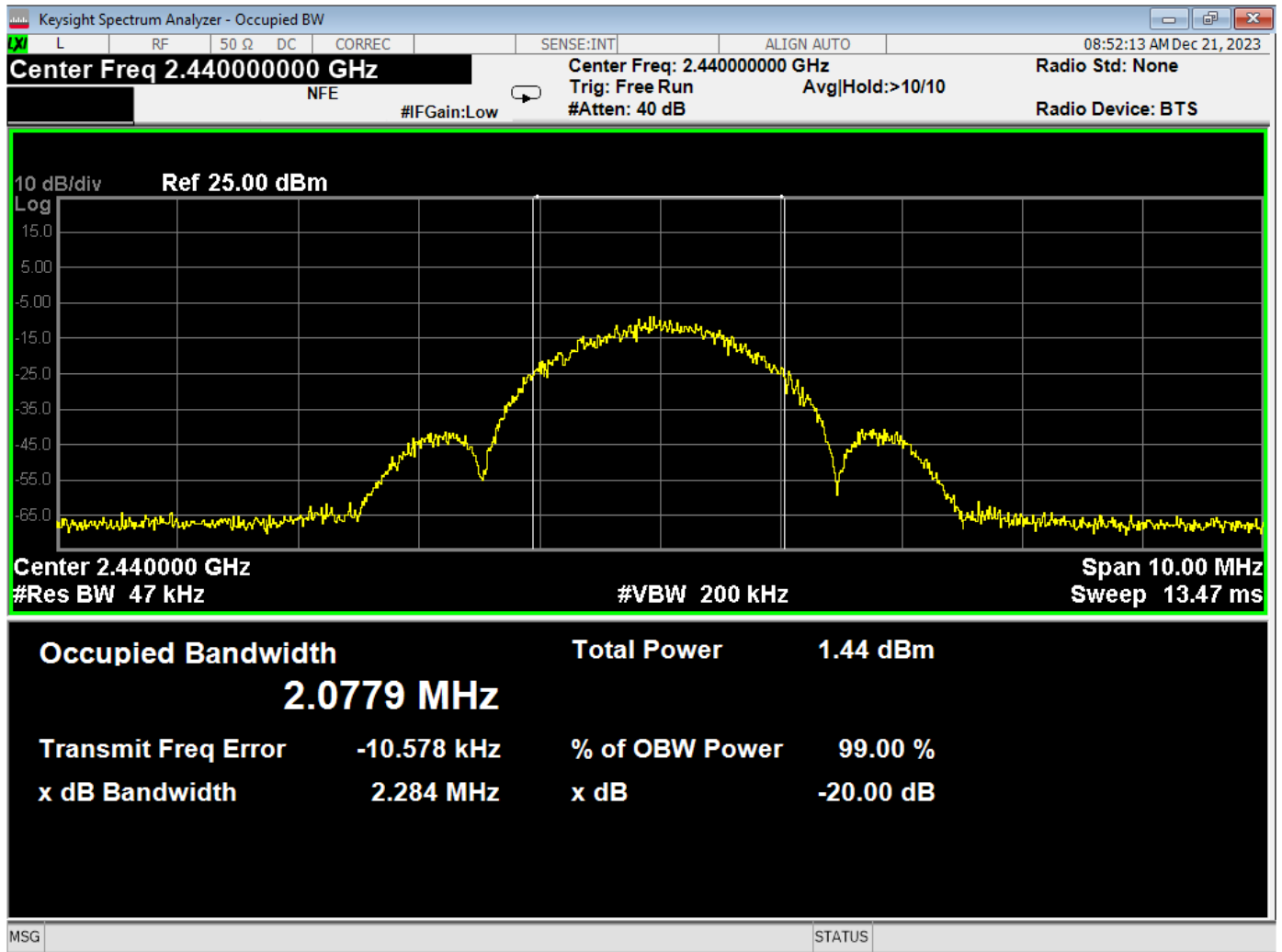
99% Bandwidth – Middle Channel – BLE Mode – 1 Mbit



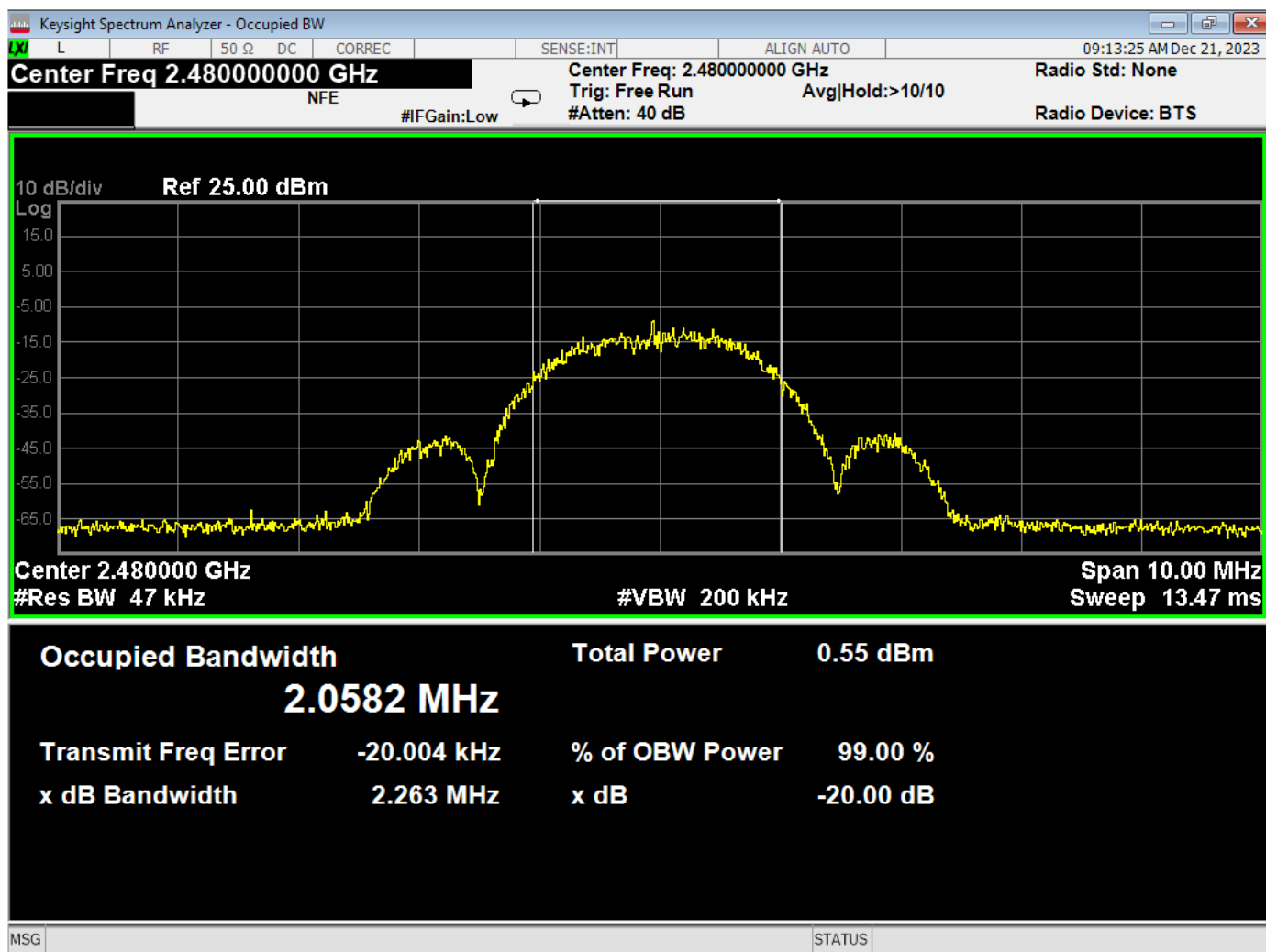
99% Bandwidth – High Channel – BLE Mode – 1 Mbit



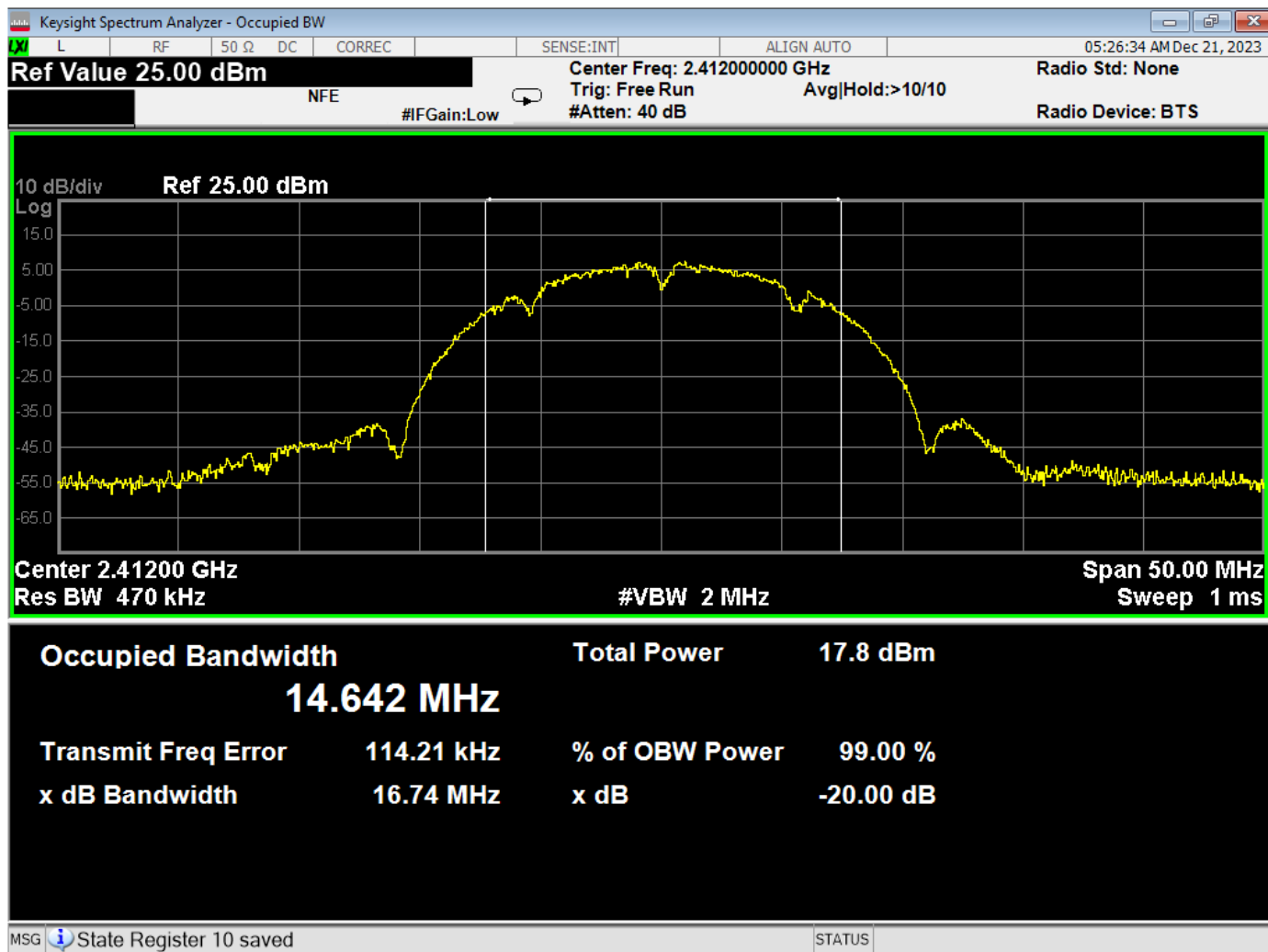
99% Bandwidth – Low Channel – BLE Mode – 2 Mbit



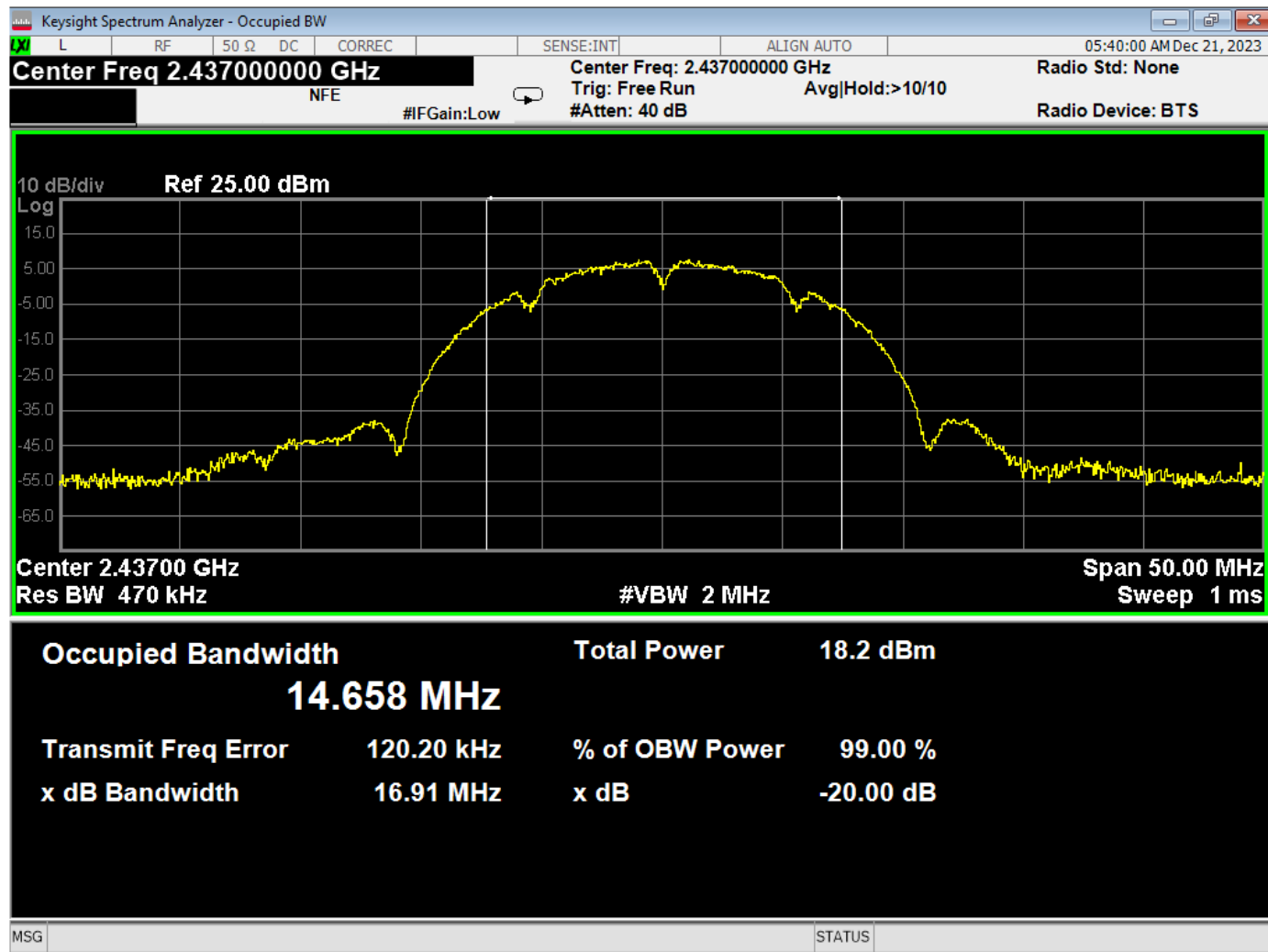
99% Bandwidth – Middle Channel – BLE Mode – 2 Mbit



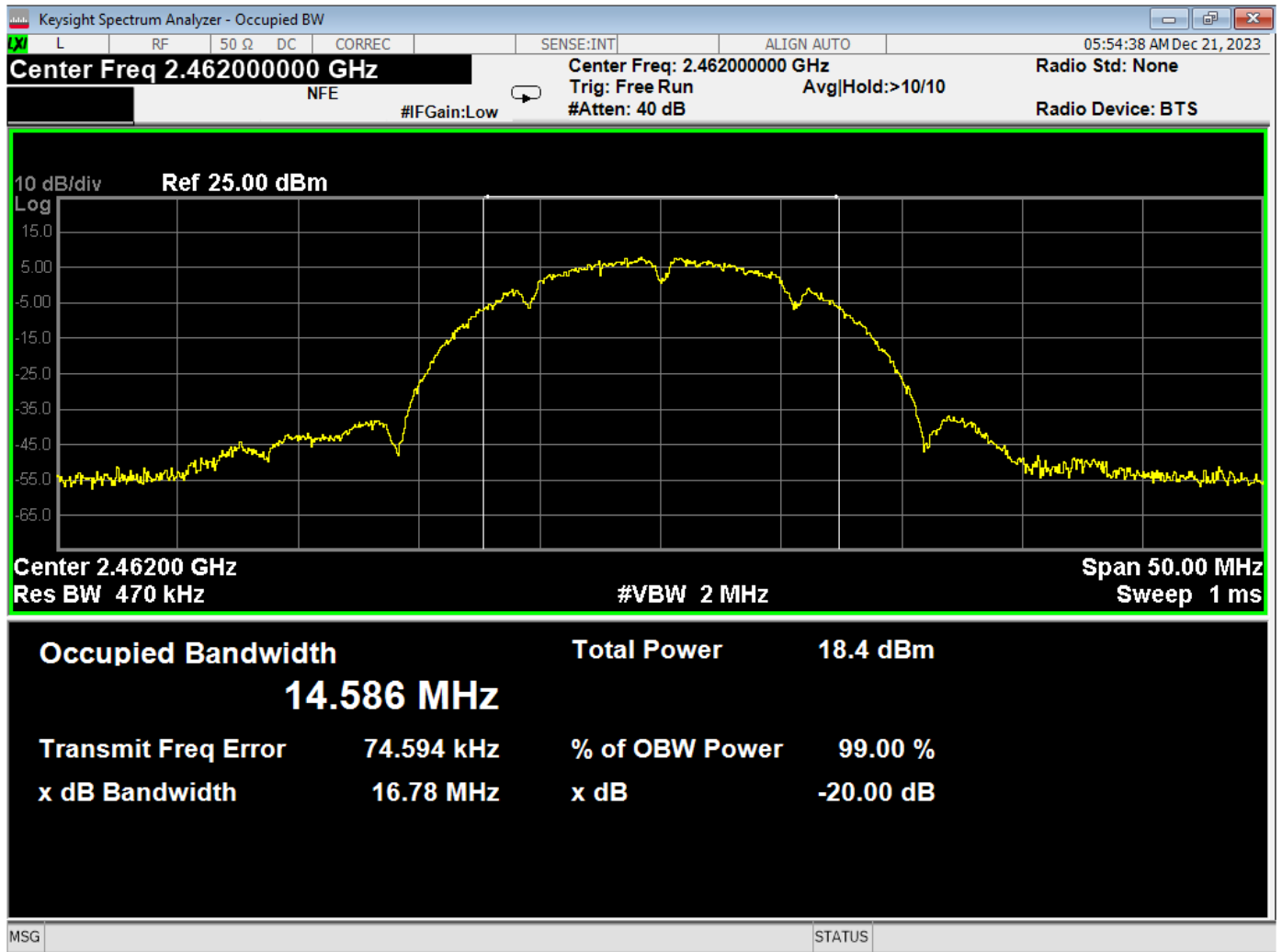
99% Bandwidth – High Channel – BLE Mode – 2 Mbit



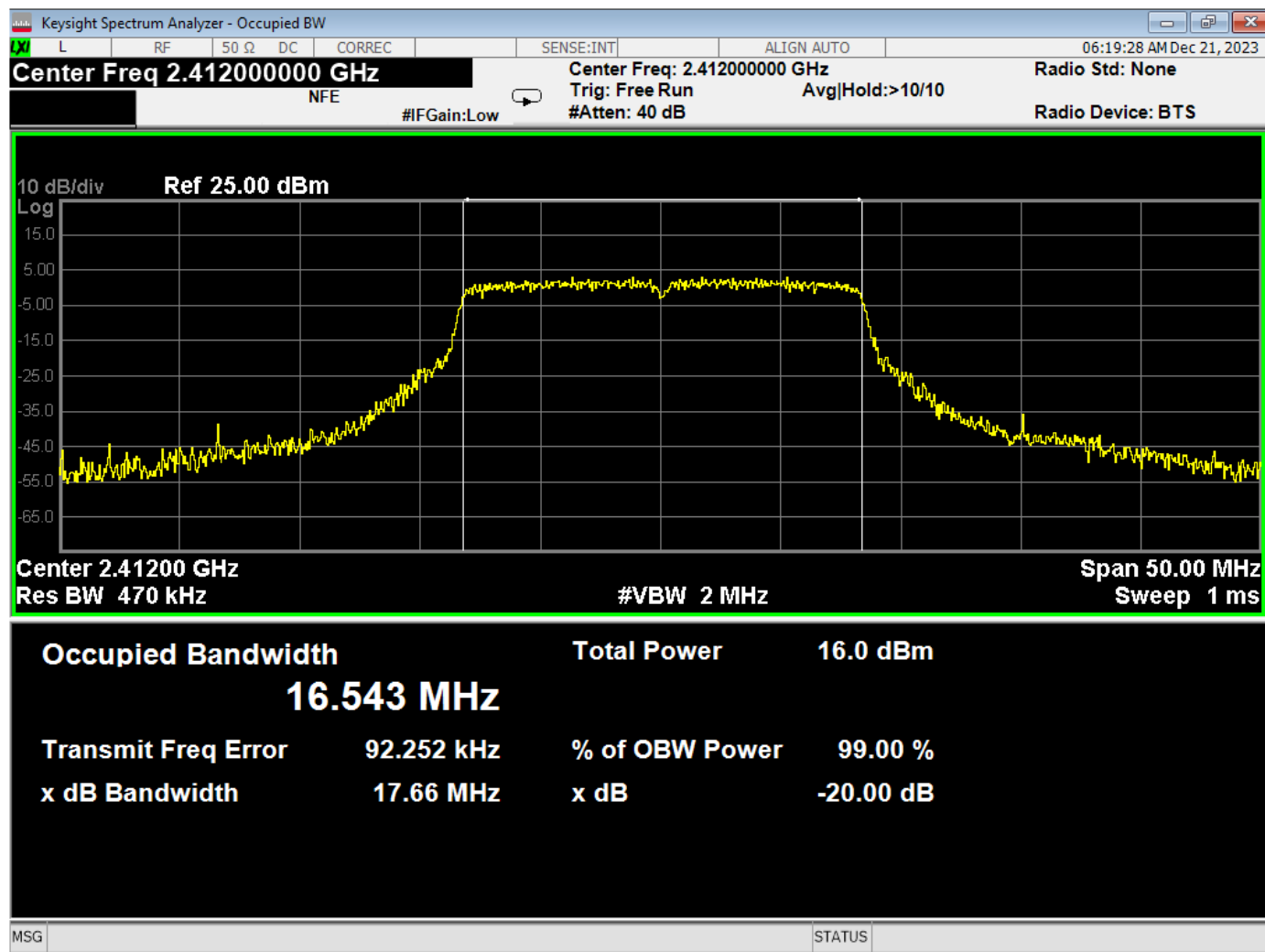
99% Bandwidth – Low Channel – 802.11b Mode



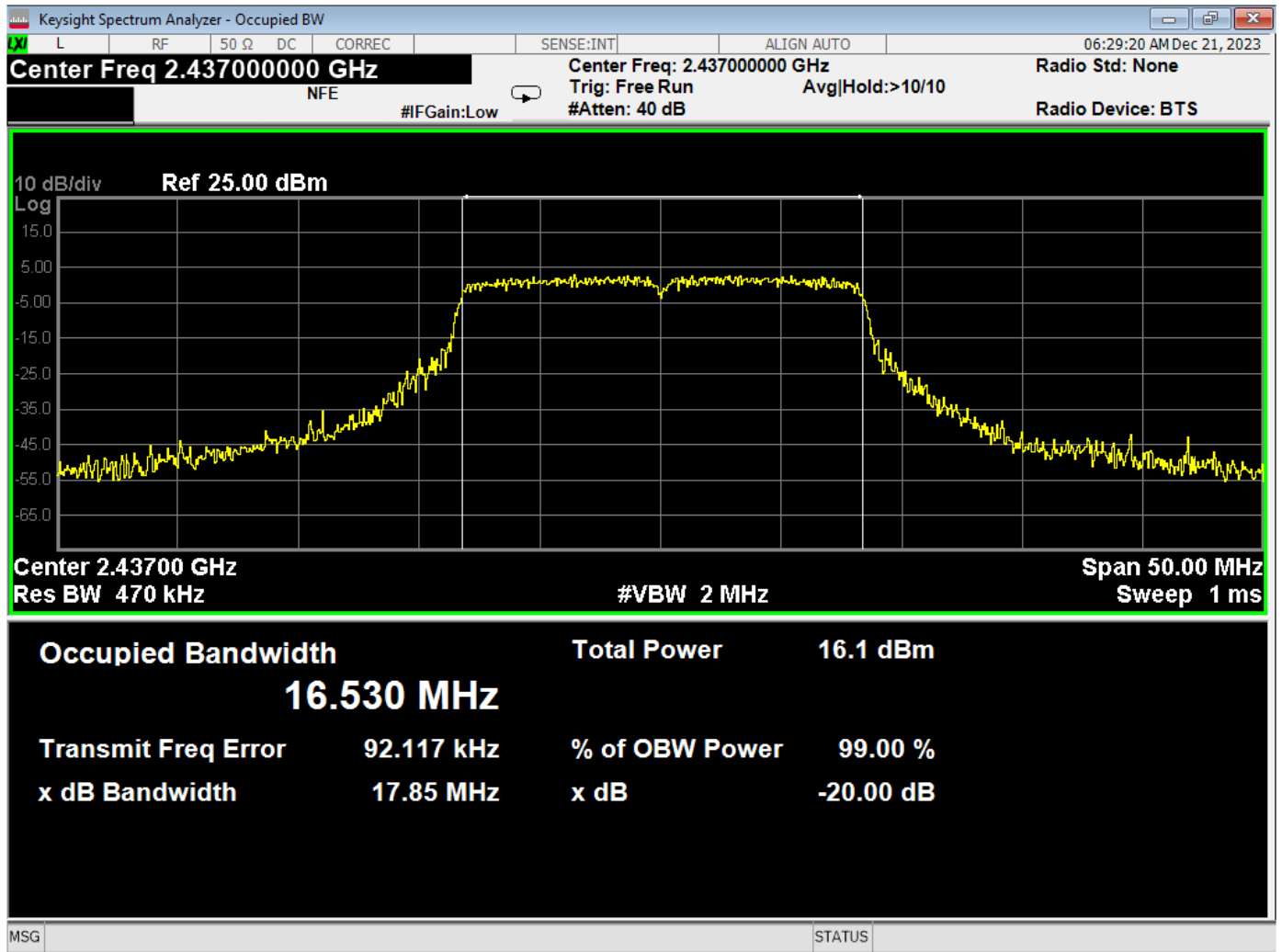
99% Bandwidth – Middle Channel – 802.11b Mode



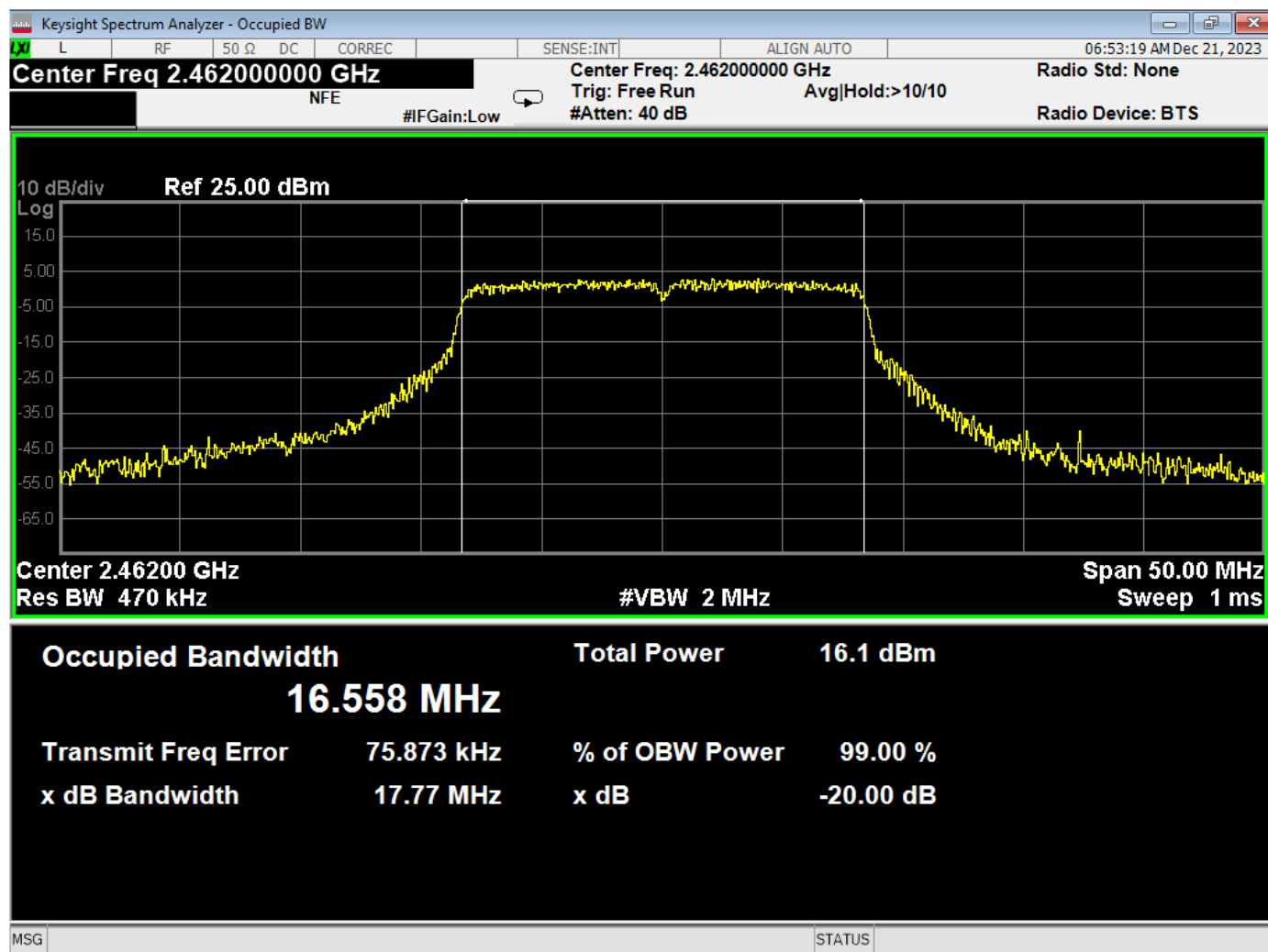
99% Bandwidth – High Channel – 802.11b Mode



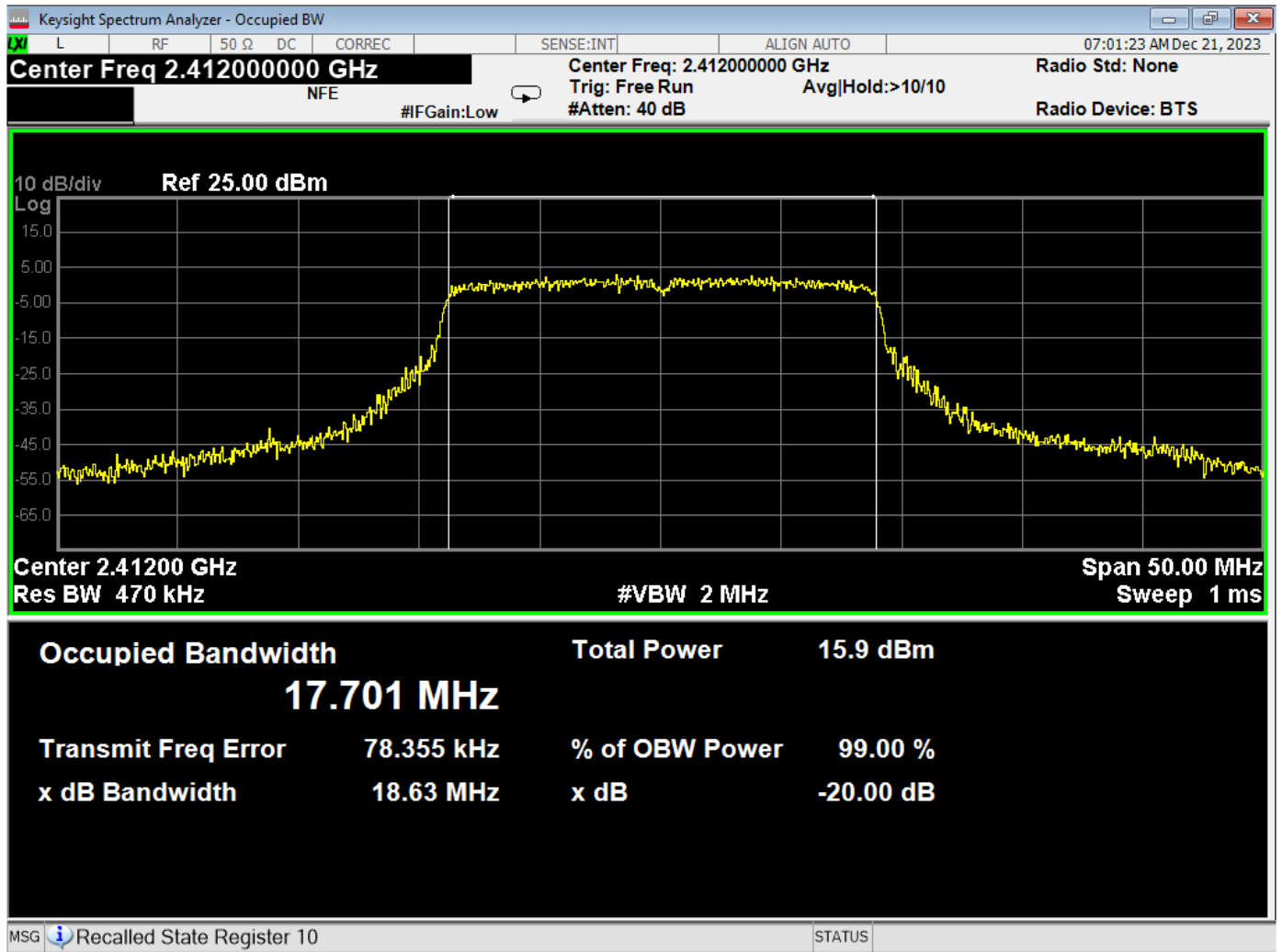
99% Bandwidth – Low Channel – 802.11g Mode



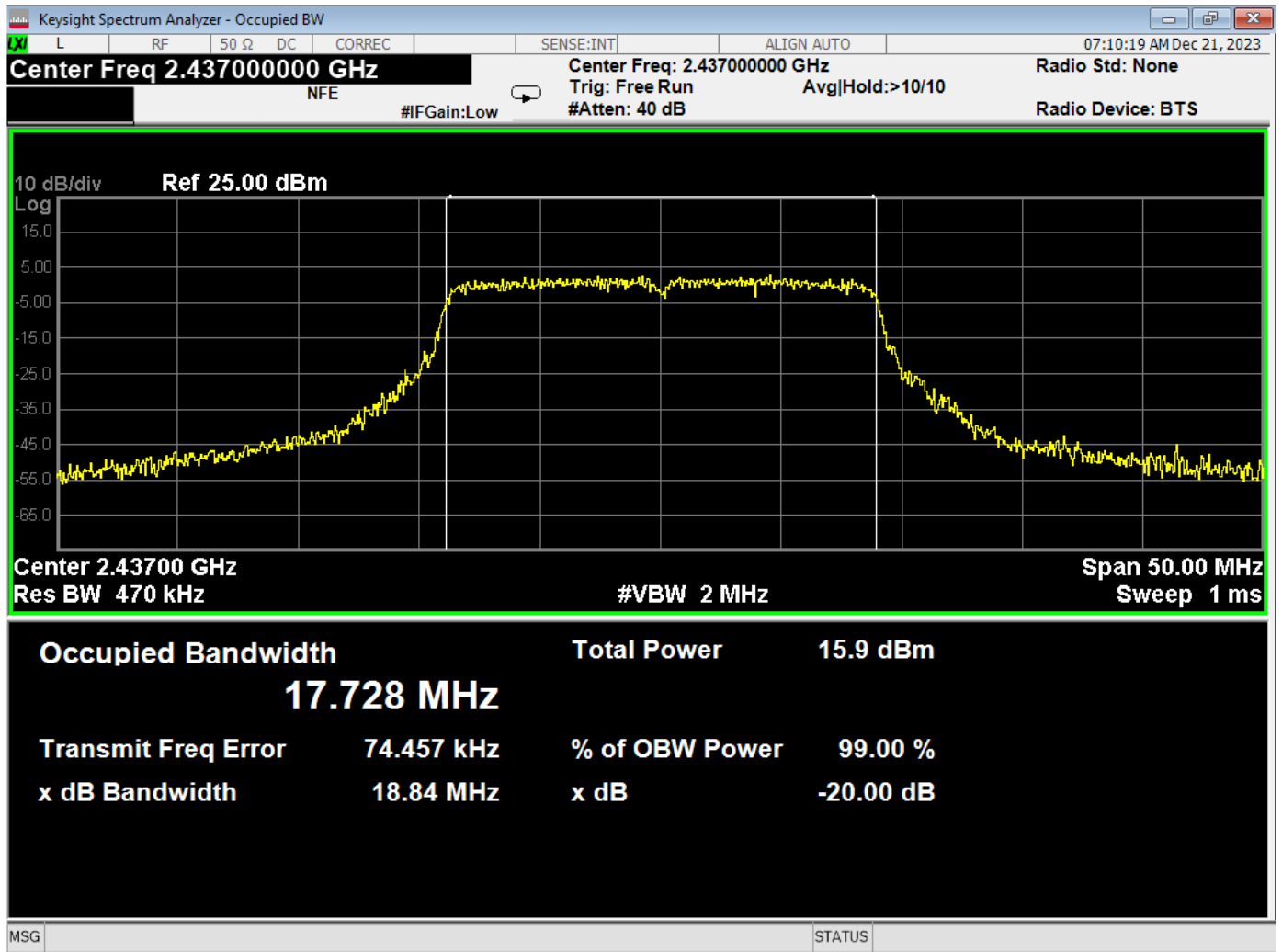
99% Bandwidth – Middle Channel – 802.11g Mode



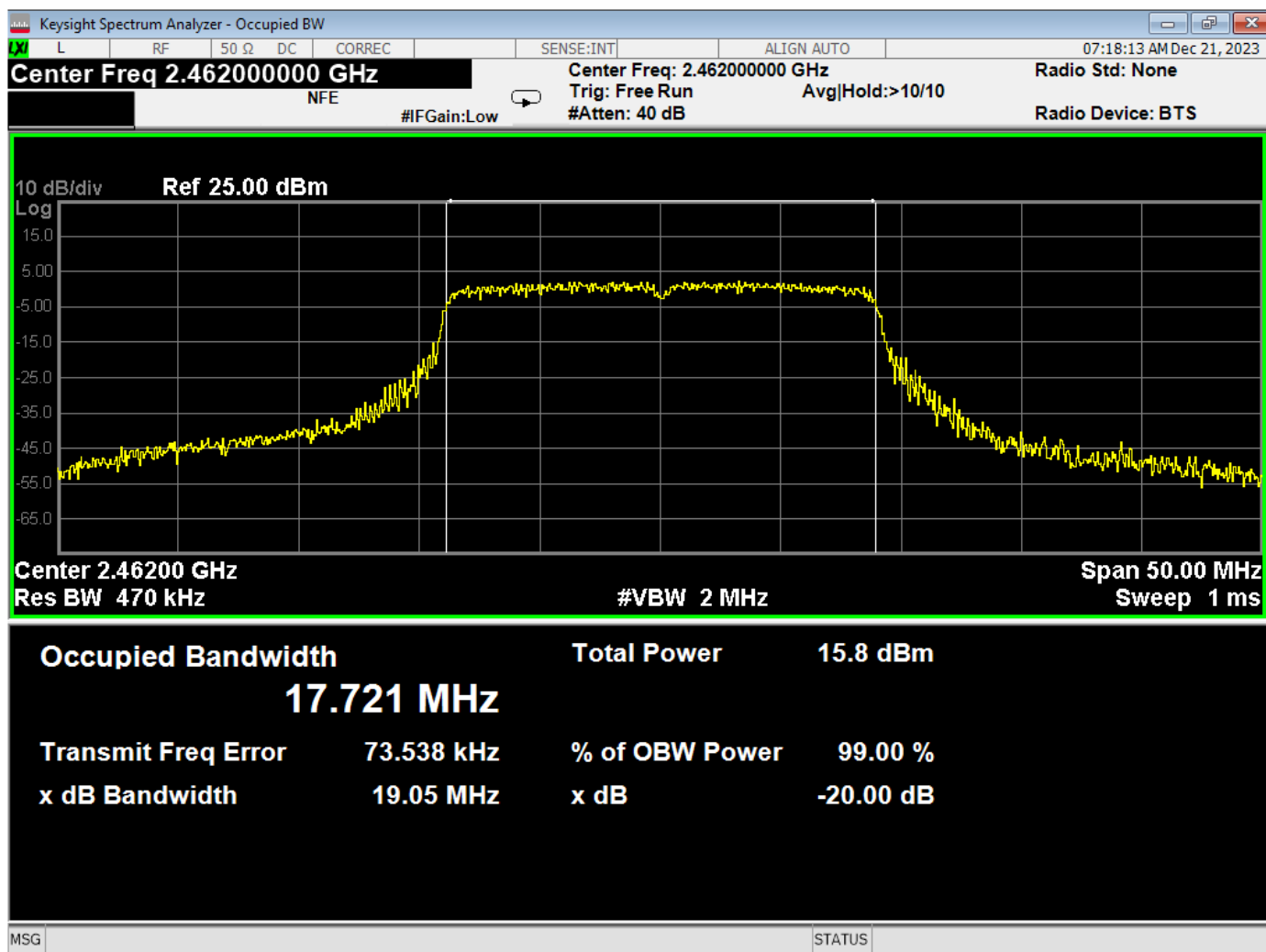
99% Bandwidth – High Channel – 802.11g Mode



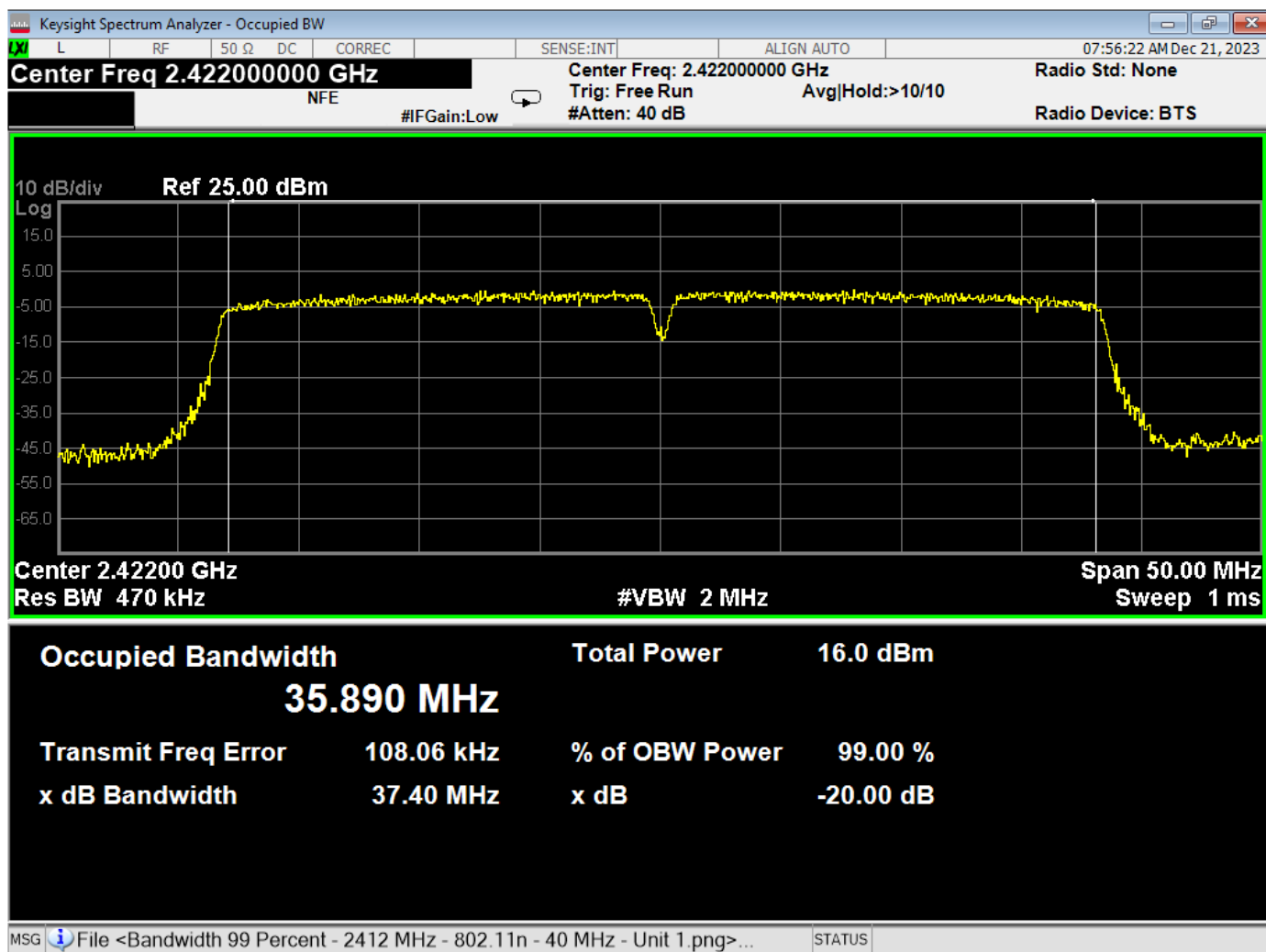
99% Bandwidth – Low Channel – 802.11n Mode – 20 MHz



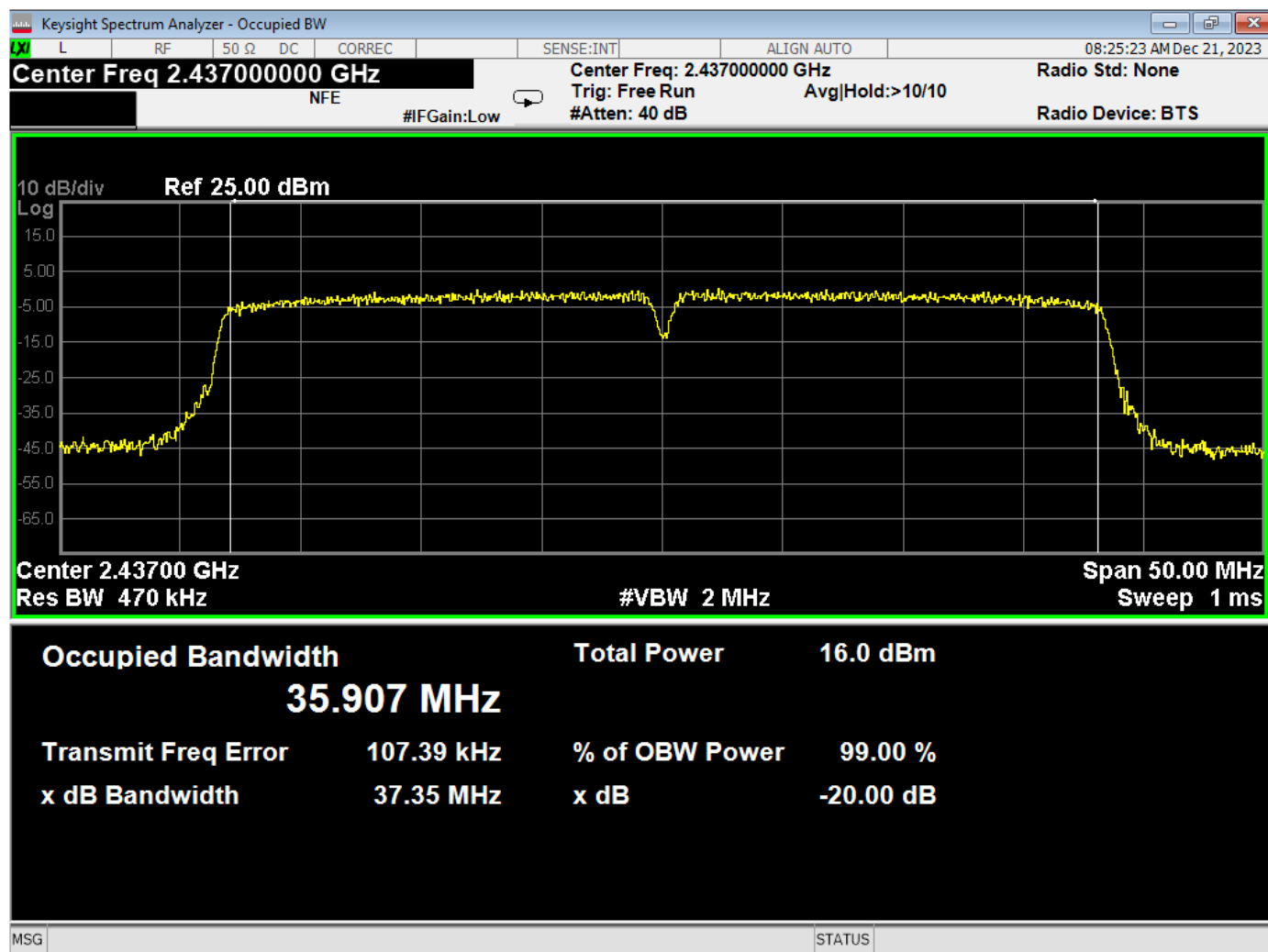
99% Bandwidth – Middle Channel – 802.11n Mode – 20 MHz



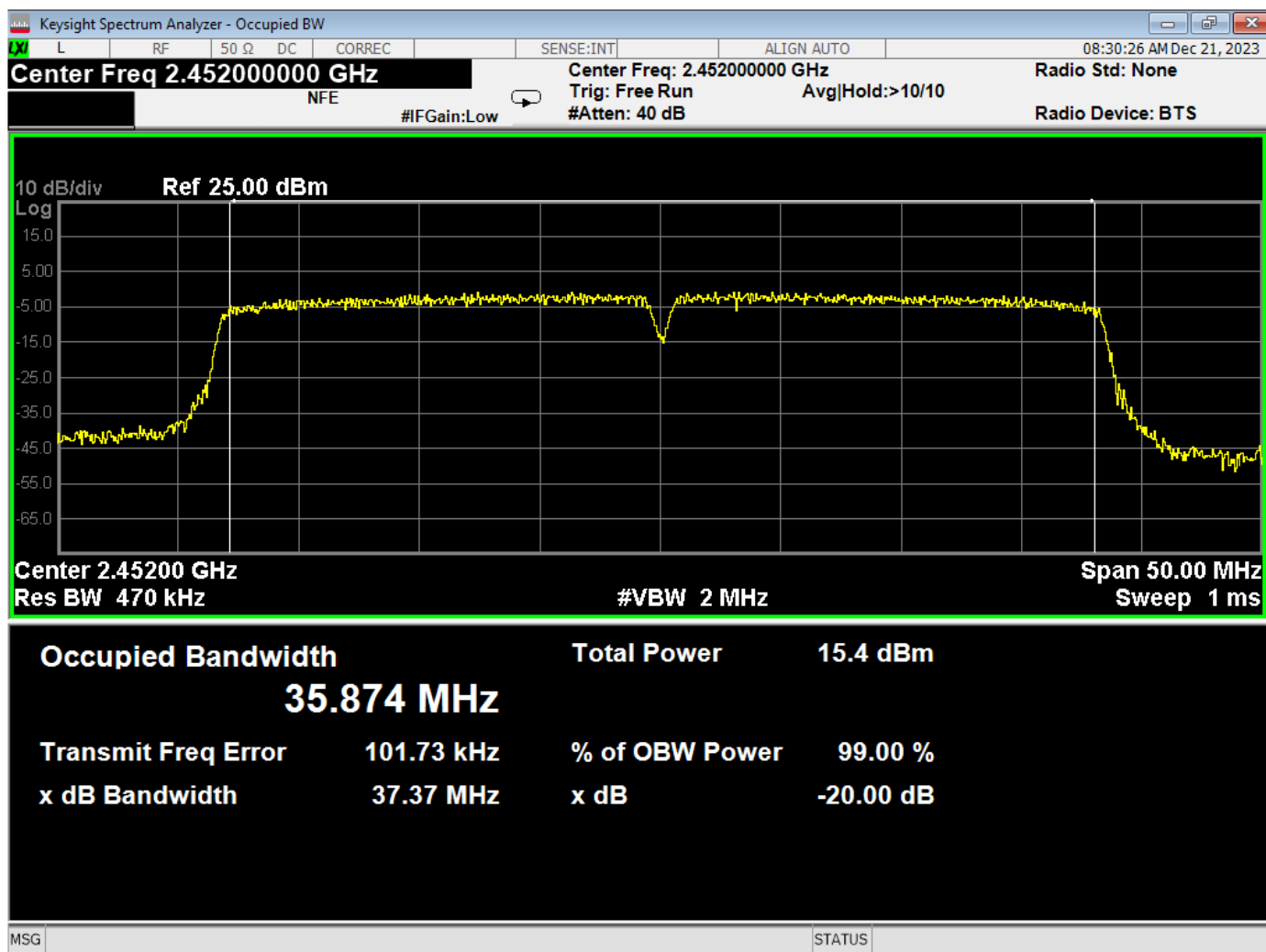
99% Bandwidth – High Channel – 802.11n Mode – 20 MHz



99% Bandwidth – Low Channel – 802.11n Mode – 40 MHz



99% Bandwidth – Middle Channel – 802.11n Mode – 40 MHz

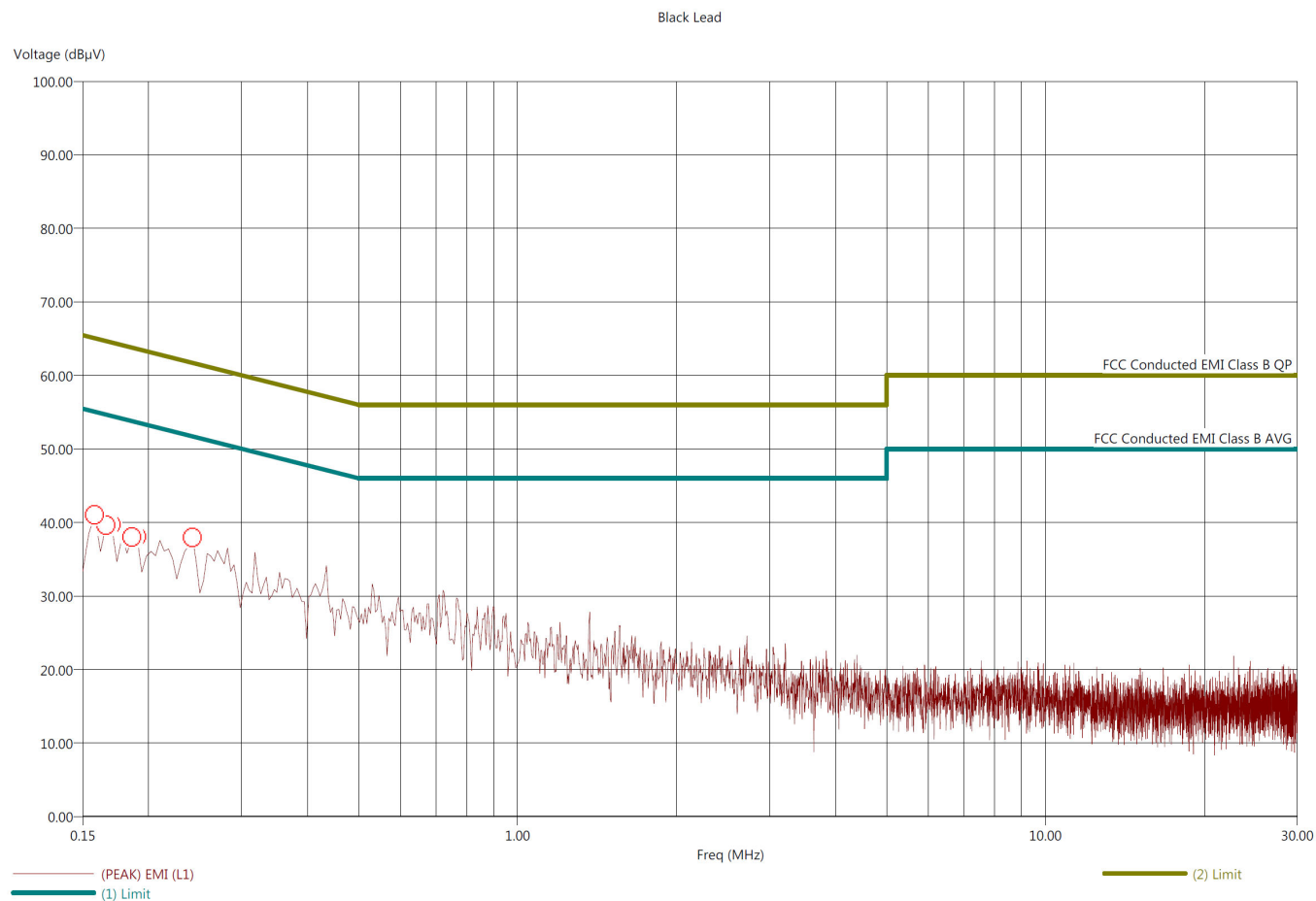


99% Bandwidth – High Channel – 802.11n Mode – 40 MHz

CONDUCTED EMISSIONS
DATA SHEETS

Title: FCC Class B - Black Lead
File: 1 - Pre-Scan - BL - BLE - 1 MBit - Y-Axis - FCC Class B - 12-22-2023.set
Operator: Kyle Fujimoto
EUT Type: Carrier Entry Level and ICP Thermostat 2024
EUT Condition: The EUT is continuously transmitting BLE at 2402 MHz at 1 MBit
Company: Universal Electronics, Inc.
Model: TSTATCCEWF-01
S/N: Unit 4
Y-Axis

12/22/2023 8:13:14 AM
Sequence: Preliminary Scan



Title: FCC Class B - Black Lead
 File: 1 - Final Scan - BL - BLE - 1 MBit - Y-Axis - FCC Class B - 12-22-2023.set
 Operator: Kyle Fujimoto
 EUT Type: Carrier Entry Level and ICP Thermostat 2024
 EUT Condition: The EUT is continuously transmitting BLE at 2402 MHz at 1 MBit
 Company: Universal Electronics, Inc.
 Model: TSTATCCEWF-01
 S/N: Unit 4
 Y-Axis

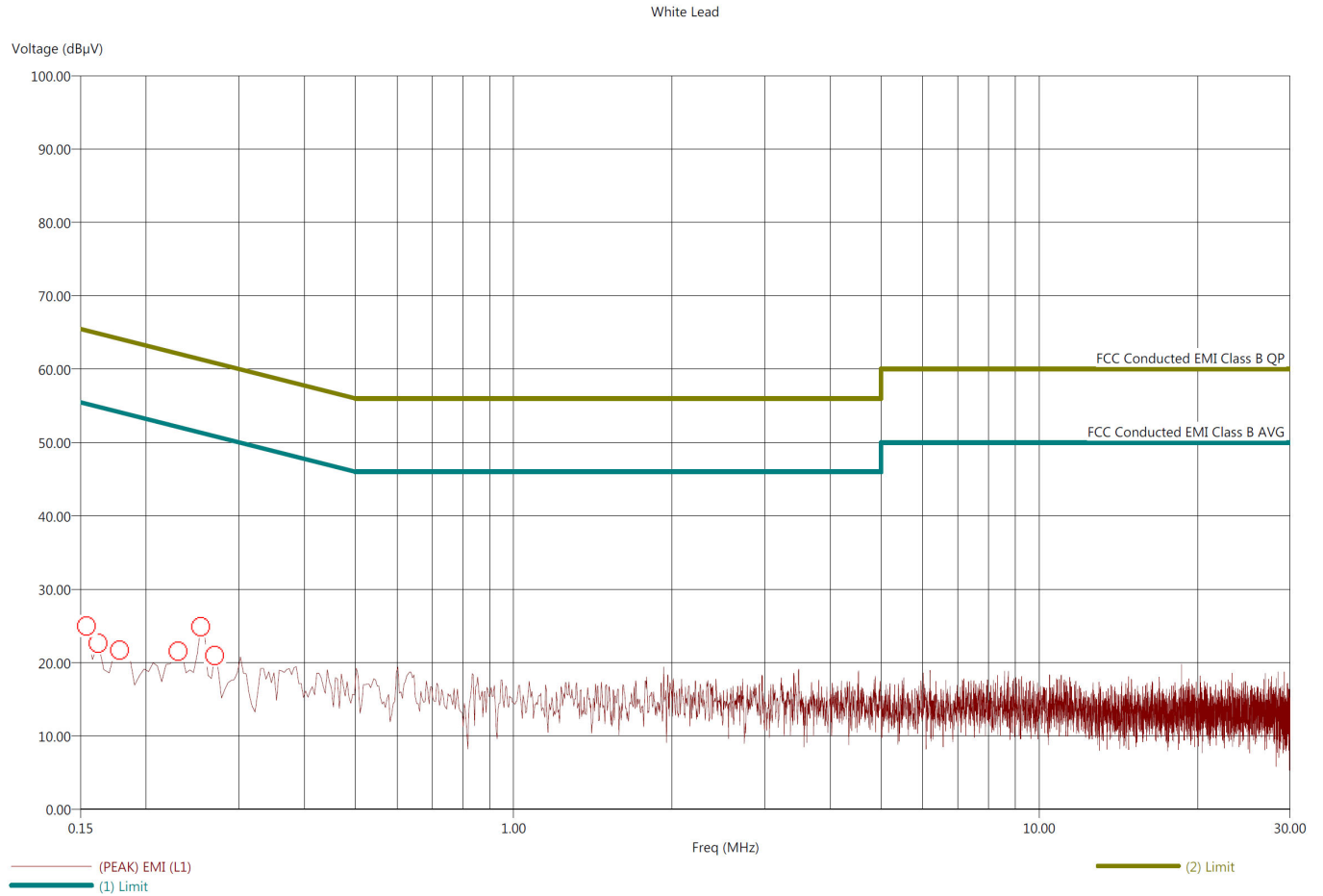
12/22/2023 8:16:08 AM
 Sequence: Final Measurements

Black Lead									
Freq (MHz)	(PEAK) EMI (dBμV)	(AVG) EMI (dBμV)	(PEAK) Margin (AVG) (dB)	(AVG) Limit (dBμV)	(AVG) Margin (AVG) (dB)	Cable (dB)	Transducer (dB)	Filter (dB)	
0.158	45.13	33.40	-10.37	55.50	-22.10	0.28	0.09	10.10	
0.166	44.10	32.25	-10.35	54.45	-22.20	0.28	0.08	10.10	
0.170	45.37	32.18	-9.04	54.40	-22.23	0.28	0.08	10.10	
0.186	43.96	31.46	-9.83	53.79	-22.33	0.28	0.07	10.10	
0.190	44.62	31.10	-9.02	53.64	-22.54	0.28	0.07	10.10	
0.242	41.69	29.14	-10.02	51.71	-22.57	0.31	0.05	10.10	



Title: FCC Class B - White Lead
 File: 1 - Pre-Scan - WL - BLE - 1 MBit - Y-Axis - FCC Class B - 12-22-2023.set
 Operator: Kyle Fujimoto
 EUT Type: Carrier Entry Level and ICP Thermostat 2024
 EUT Condition: The EUT is continuously transmitting BLE at 2402 MHz at 1 MBit
 Company: Universal Electronics, Inc.
 Model: TSTATCCEWF-01
 S/N: Unit 4
 Y-Axis

12/22/2023 8:19:45 AM
 Sequence: Preliminary Scan



Title: FCC Class B - White Lead
 File: 1 - Final Scan - WL - BLE - 1 MBit - Y-Axis - FCC Class B - 12-22-2023.set
 Operator: Kyle Fujimoto
 EUT Type: Carrier Entry Level and ICP Thermostat 2024
 EUT Condition: The EUT is continuously transmitting BLE at 2402 MHz at 1 MBit
 Company: Universal Electronics, Inc.
 Model: TSTATCCEWF-01
 S/N: Unit 4
 Y-Axis

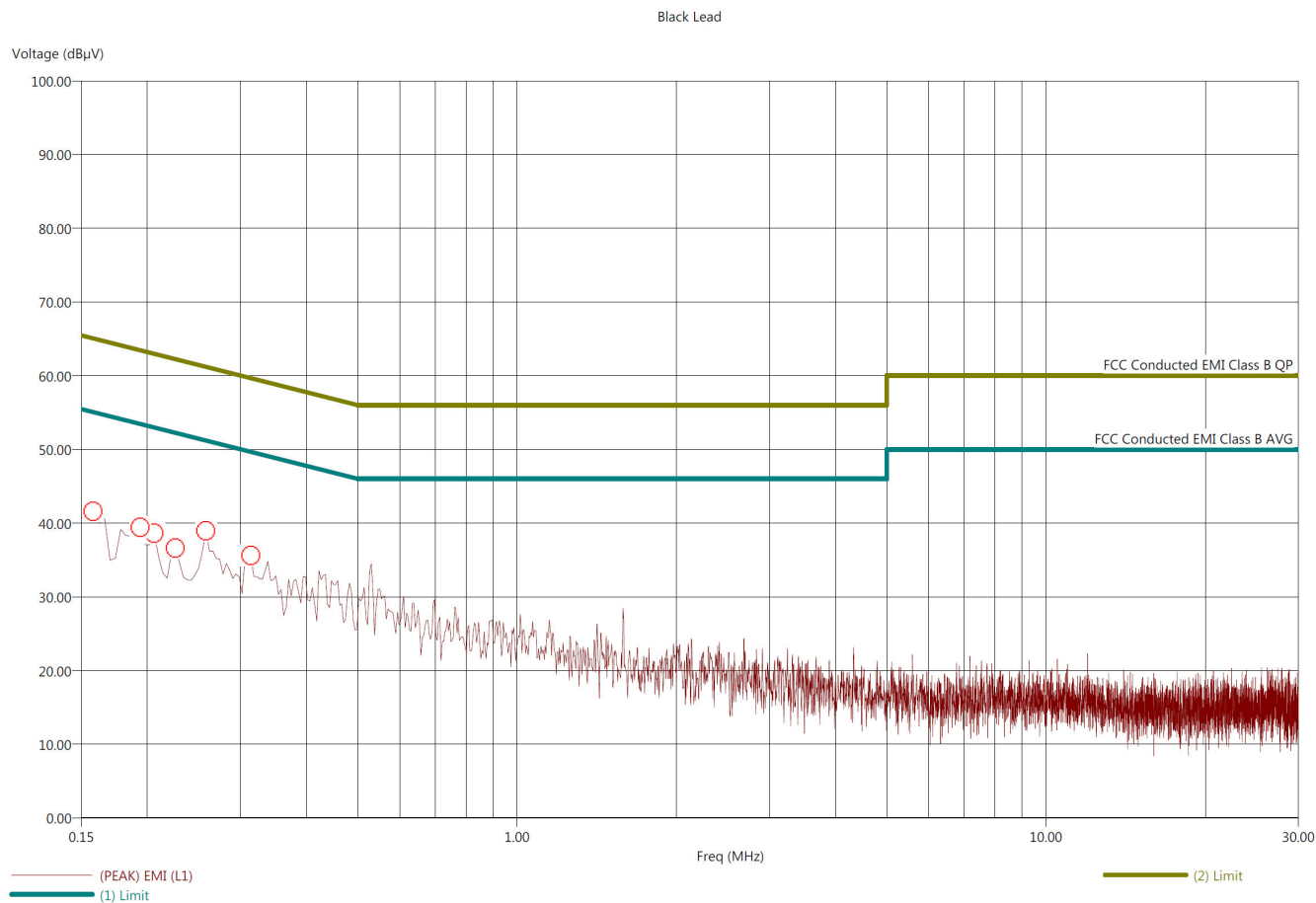
12/22/2023 8:20:46 AM
 Sequence: Final Measurements

White Lead								
Freq (MHz)	(PEAK) EMI (dBμV)	(AVG) EMI (dBμV)	(PEAK) Margin (AVG) (dB)	(AVG) Limit (dBμV)	(AVG) Margin (AVG) (dB)	Cable (dB)	Transducer (dB)	Filter (dB)
0.154	36.93	18.57	-18.30	55.23	-36.66	0.28	0.09	10.10
0.162	36.95	18.40	-18.31	55.26	-36.86	0.28	0.09	10.10
0.178	35.33	17.55	-19.24	54.57	-37.02	0.28	0.08	10.10
0.230	29.32	14.89	-22.64	51.96	-37.07	0.30	0.06	10.10
0.254	29.43	14.25	-21.96	51.39	-37.14	0.31	0.05	10.10
0.270	27.51	14.11	-23.60	51.11	-37.00	0.32	0.05	10.10



Title: FCC Class B - Black Lead
 File: 2 - Pre-Scan - BL - BLE - 2 MBit - Y-Axis - FCC Class B - 12-22-2023.set
 Operator: Kyle Fujimoto
 EUT Type: Carrier Entry Level and ICP Thermostat 2024
 EUT Condition: The EUT is continuously transmitting BLE at 2402 MHz at 2 MBit
 Company: Universal Electronics, Inc.
 Model: TSTATCCEWF-01
 S/N: Unit 4
 Y-Axis

12/22/2023 8:24:51 AM
 Sequence: Preliminary Scan



Title: FCC Class B - Black Lead
 File: 2 - Final Scan - BL - BLE - 2 MBit - Y-Axis - FCC Class B - 12-22-2023.set
 Operator: Kyle Fujimoto
 EUT Type: Carrier Entry Level and ICP Thermostat 2024
 EUT Condition: The EUT is continuously transmitting BLE at 2402 MHz at 2 MBit
 Company: Universal Electronics, Inc.
 Model: TSTATCCEWF-01
 S/N: Unit 4
 Y-Axis

12/22/2023 8:25:52 AM
 Sequence: Final Measurements

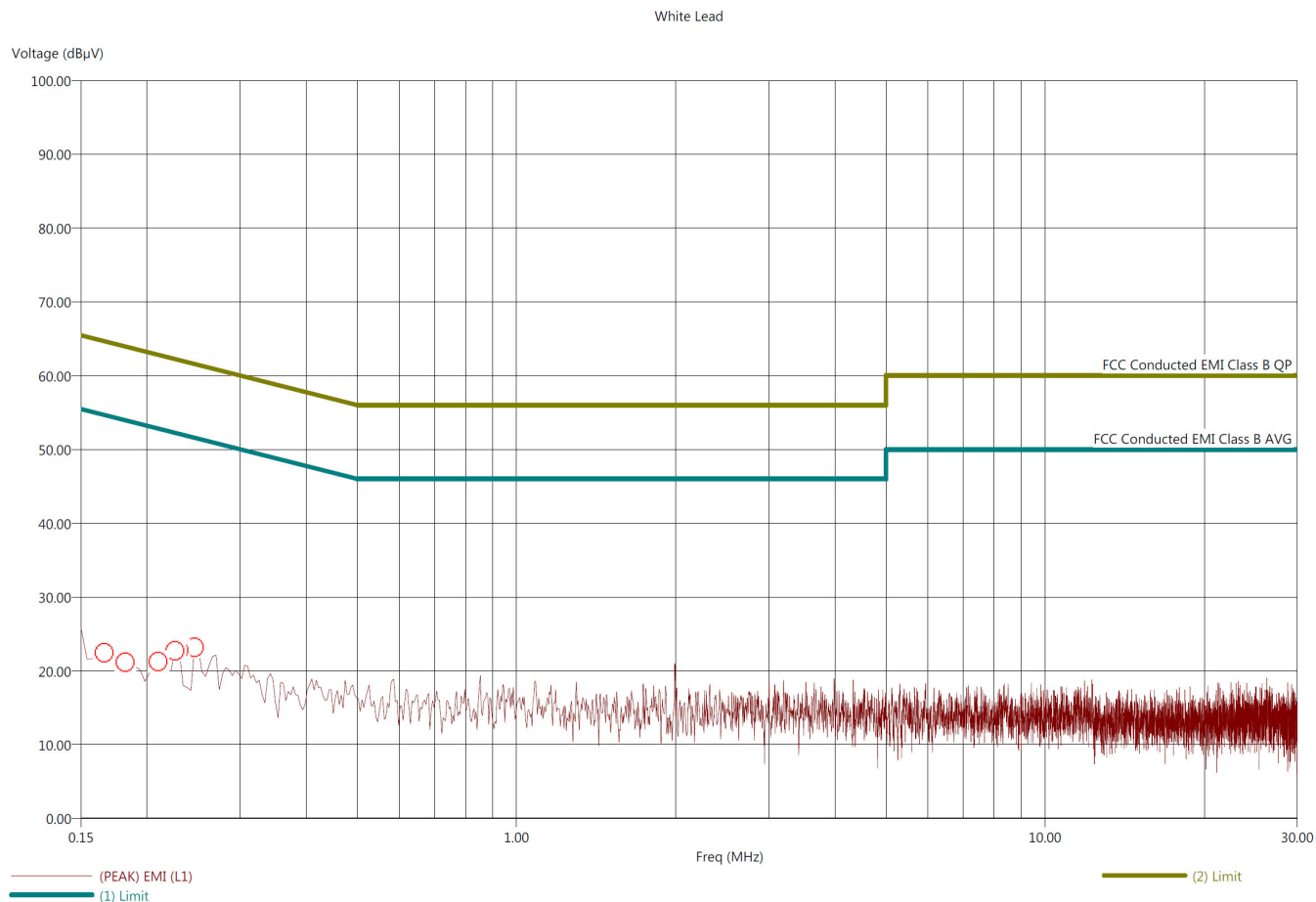
Black Lead

Freq (MHz)	(PEAK) EMI (dBµV)	(AVG) EMI (dBµV)	(PEAK) Margin (AVG) (dB)	(AVG) Limit (dBµV)	(AVG) Margin (AVG) (dB)	Cable (dB)	Transducer (dB)	Filter (dB)
0.158	45.47	33.08	-9.50	54.98	-21.89	0.28	0.09	10.10
0.194	43.71	31.46	-9.94	53.65	-22.19	0.28	0.07	10.10
0.206	43.37	30.01	-9.31	52.67	-22.67	0.29	0.06	10.10
0.226	42.80	29.54	-9.32	52.13	-22.58	0.30	0.05	10.10
0.258	41.31	28.67	-10.06	51.37	-22.70	0.31	0.05	10.10
0.314	38.87	26.56	-10.64	49.50	-22.95	0.35	0.04	10.10



Title: FCC Class B - White Lead
 File: 2 - Pre-Scan - WL - BLE - 2 MBit - Y-Axis - FCC Class B - 12-22-2023.set
 Operator: Kyle Fujimoto
 EUT Type: Carrier Entry Level and ICP Thermostat 2024
 EUT Condition: The EUT is continuously transmitting BLE at 2402 MHz at 2 MBit
 Company: Universal Electronics, Inc.
 Model: TSTATCCEWF-01
 S/N: Unit 4
 Y-Axis

12/22/2023 8:29:06 AM
 Sequence: Preliminary Scan



Title: FCC Class B - White Lead
 File: 2 - Final Scan - WL - BLE - 2 MBit - Y-Axis - FCC Class B - 12-22-2023.set
 Operator: Kyle Fujimoto
 EUT Type: Carrier Entry Level and ICP Thermostat 2024
 EUT Condition: The EUT is continuously transmitting BLE at 2402 MHz at 2 MBit
 Company: Universal Electronics, Inc.
 Model: TSTATCCEWF-01
 S/N: Unit 4
 Y-Axis

12/22/2023 8:30:09 AM
 Sequence: Final Measurements

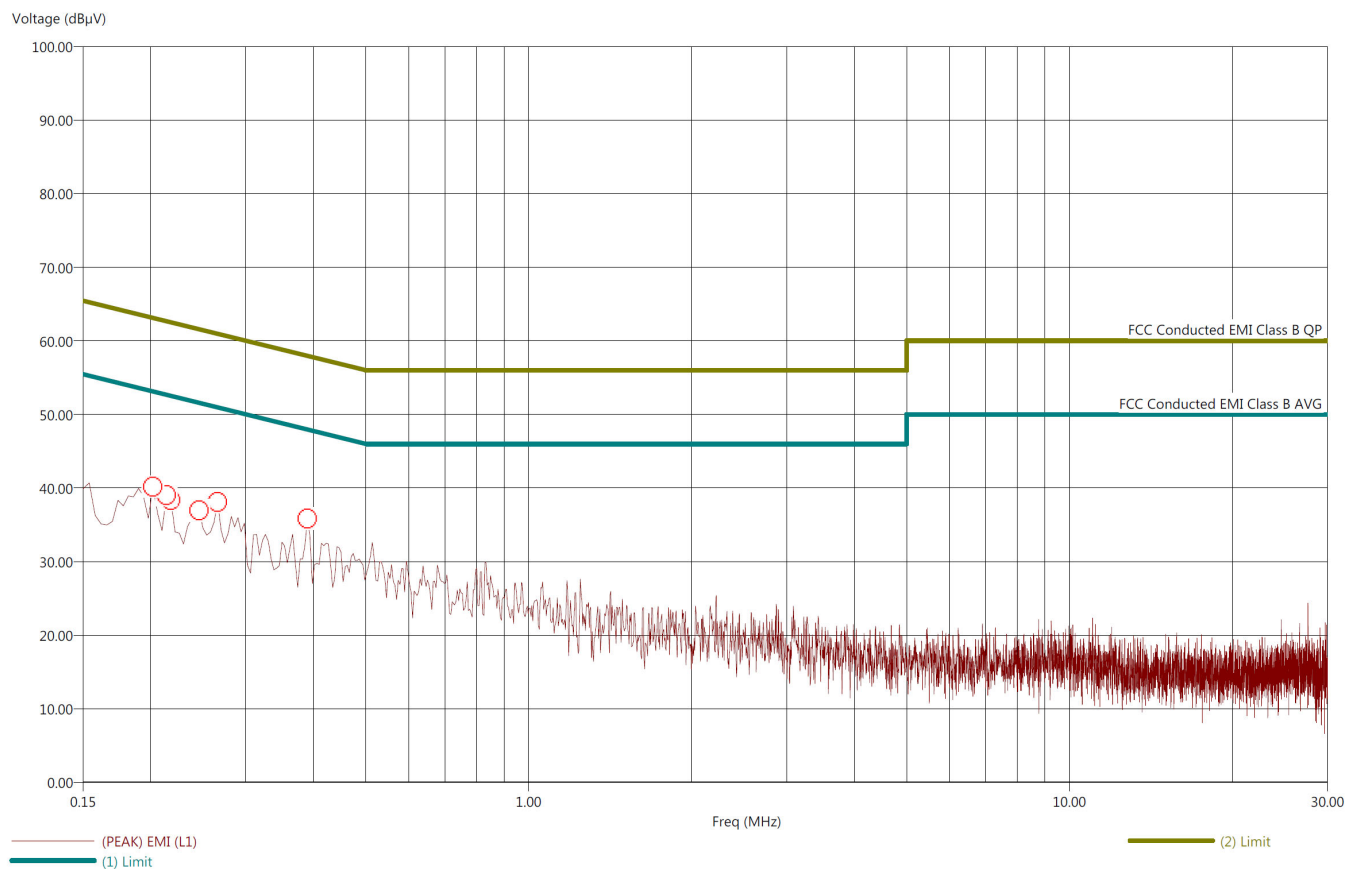
White Lead									
Freq (MHz)	(PEAK) EMI (dBµV)	(AVG) EMI (dBµV)	(PEAK) Margin (AVG) (dB)	(AVG) Limit (dBµV)	(AVG) Margin (AVG) (dB)	Cable (dB)	Transducer (dB)	Filter (dB)	
0.166	35.16	18.12	-19.79	54.95	-36.83	0.28	0.09		10.10
0.182	34.25	17.35	-19.98	54.23	-36.88	0.28	0.08		10.10
0.210	31.42	15.76	-21.50	52.92	-37.16	0.28	0.06		10.10
0.226	28.78	14.87	-23.16	51.94	-37.07	0.30	0.06		10.10
0.230	28.82	14.66	-22.98	51.80	-37.14	0.31	0.06		10.10
0.246	28.56	14.70	-23.08	51.64	-36.94	0.31	0.06		10.10



Title: FCC Class B - Black Lead
 File: 3 - Pre-Scan - BL - 802.11b - Y-Axis - FCC Class B - 12-22-2023.set
 Operator: Kyle Fujimoto
 EUT Type: Carrier Entry Level and ICP Thermostat 2024
 EUT Condition: The EUT is continuously transmitting 802.11b at 2412 MHz
 Company: Universal Electronics, Inc.
 Model: TSTATCCEWF-01
 S/N: Unit 4
 Y-Axis
 Power Level 102

12/22/2023 8:39:19 AM
 Sequence: Preliminary Scan

Black Lead





Title: FCC Class B - Black Lead
File: 3 - Final Scan - BL - 802.11b - Y-Axis - FCC Class B - 12-22-2023.set
Operator: Kyle Fujimoto
EUT Type: Carrier Entry Level and ICP Thermostat 2024
EUT Condition: The EUT is continuously transmitting 802.11b at 2412 MHz
Company: Universal Electronics, Inc.
Model: TSTATCCEWF-01
S/N: Unit 4
Y-Axis
Power Level 102

12/22/2023 8:40:43 AM
Sequence: Final Measurements

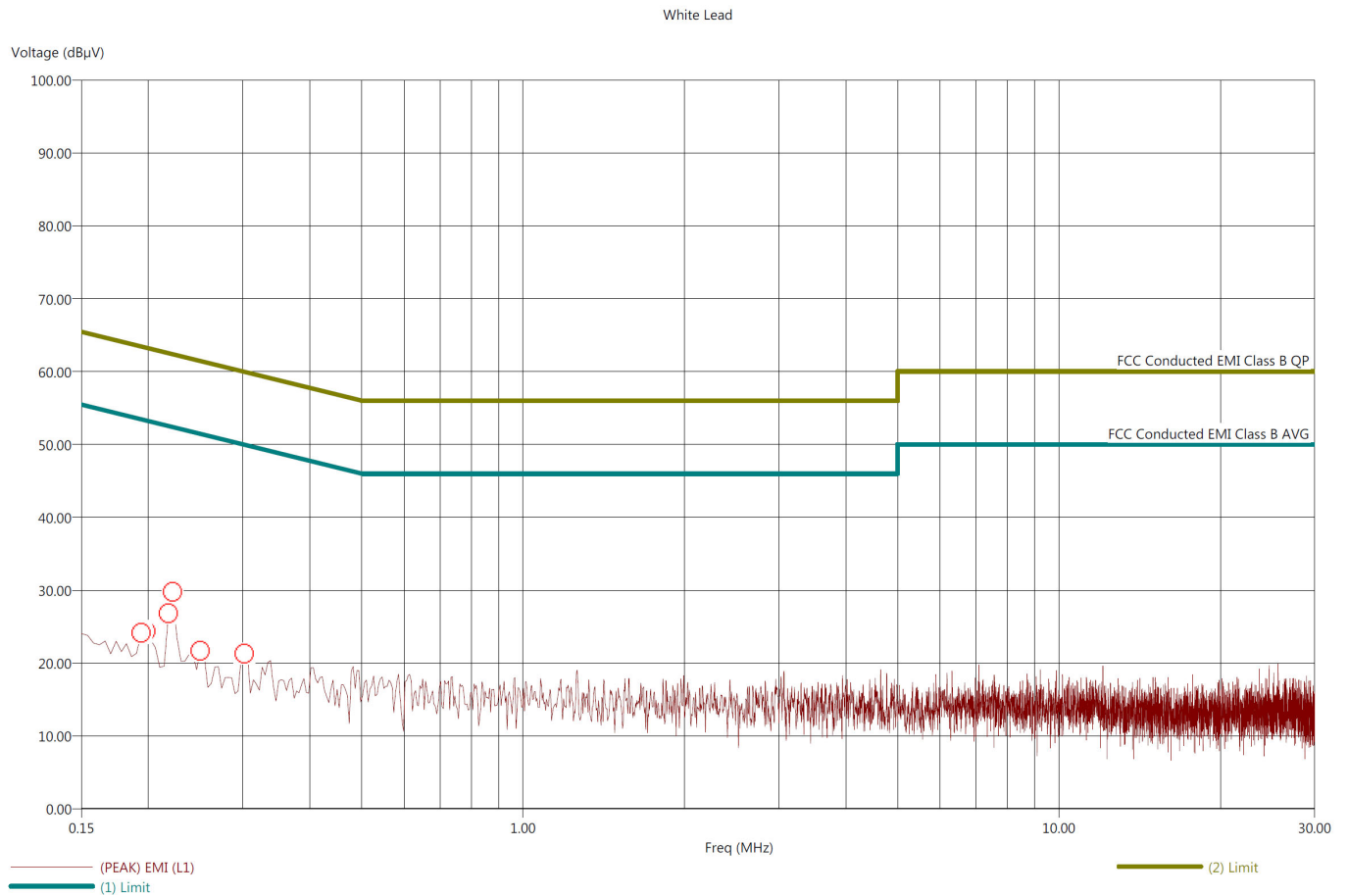
Black Lead

Freq (MHz)	(PEAK) EMI (dBµV)	(AVG) EMI (dBµV)	(PEAK) Margin (AVG) (dB)	(AVG) Limit (dBµV)	(AVG) Margin (AVG) (dB)	Cable (dB)	Transducer (dB)	Filter (dB)
0.202	43.74	30.70	-9.34	53.08	-22.38	0.28	0.06	10.10
0.214	42.82	29.72	-9.52	52.34	-22.62	0.30	0.05	10.10
0.218	41.86	29.35	-10.36	52.22	-22.87	0.30	0.05	10.10
0.246	40.61	28.75	-10.97	51.58	-22.83	0.31	0.05	10.10
0.266	40.64	28.20	-10.31	50.94	-22.75	0.32	0.05	10.10
0.390	38.26	24.99	-9.70	47.96	-22.97	0.37	0.03	10.10



Title: FCC Class B - White Lead
 File: 3 - Pre-Scan - WL - 802.11b - Y-Axis - FCC Class B - 12-22-2023.set
 Operator: Kyle Fujimoto
 EUT Type: Carrier Entry Level and ICP Thermostat 2024
 EUT Condition: The EUT is continuously transmitting 802.11b at 2412 MHz
 Company: Universal Electronics, Inc.
 Model: TSTATCCEWF-01
 S/N: Unit 4
 Y-Axis
 Power Level 102

12/22/2023 8:44:15 AM
 Sequence: Preliminary Scan



Title: FCC Class B - White Lead
 File: 3 - Final Scan - WL - 802.11b - Y-Axis - FCC Class B - 12-22-2023.set
 Operator: Kyle Fujimoto
 EUT Type: Carrier Entry Level and ICP Thermostat 2024
 EUT Condition: The EUT is continuously transmitting 802.11b at 2412 MHz
 Company: Universal Electronics, Inc.
 Model: TSTATCCEWF-01
 S/N: Unit 4
 Y-Axis
 Power Level 102

12/22/2023 8:45:25 AM
 Sequence: Final Measurements

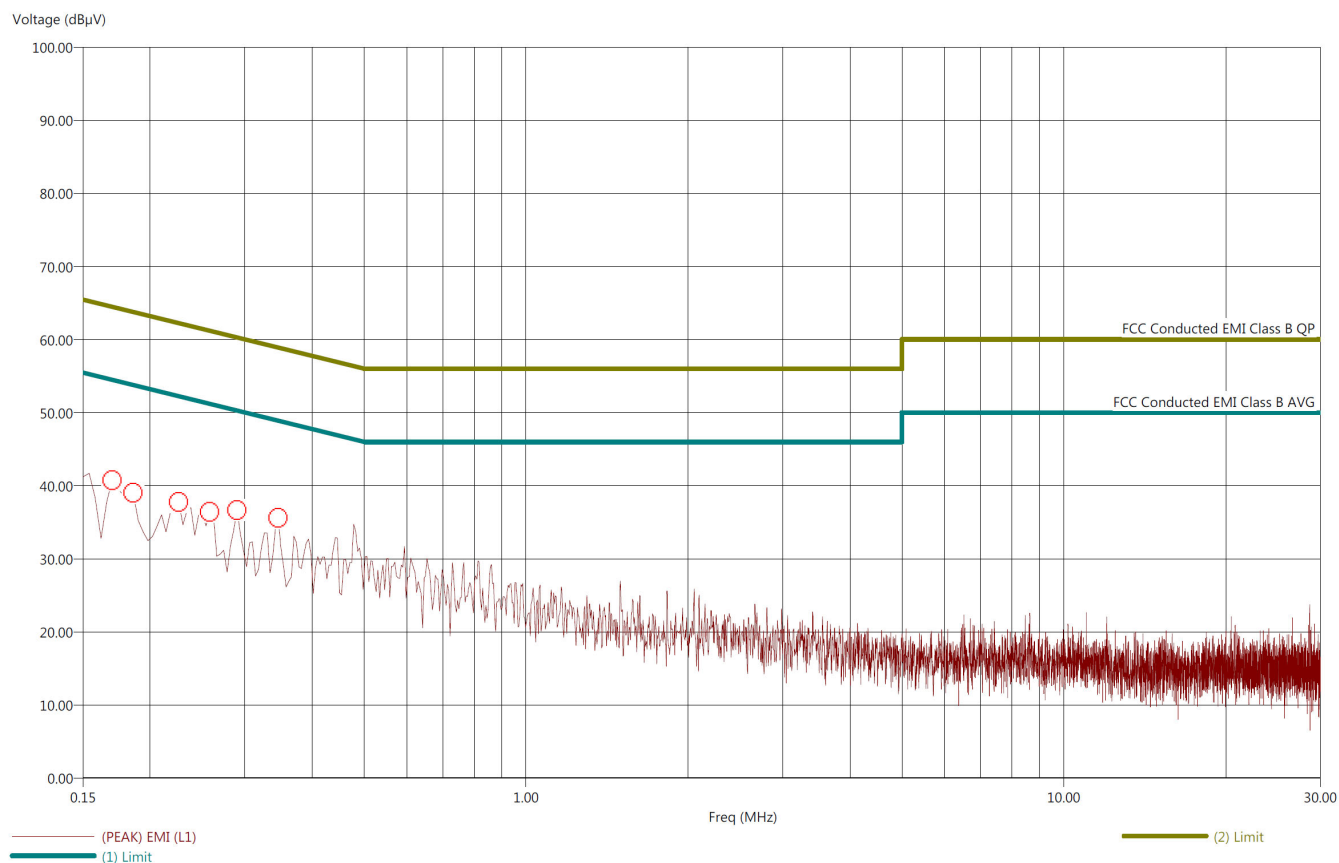
White Lead								
Freq (MHz)	(PEAK) EMI (dBμV)	(AVG) EMI (dBμV)	(PEAK) Margin (AVG) (dB)	(AVG) Limit (dBμV)	(AVG) Margin (AVG) (dB)	Cable (dB)	Transducer (dB)	Filter (dB)
0.194	35.42	17.48	-18.35	53.77	-36.29	0.28	0.07	10.10
0.198	33.93	16.38	-19.24	53.17	-36.79	0.28	0.06	10.10
0.218	32.71	16.76	-20.15	52.85	-36.10	0.29	0.06	10.10
0.222	33.08	15.90	-19.41	52.50	-36.59	0.29	0.06	10.10
0.250	30.04	14.85	-21.47	51.50	-36.66	0.31	0.05	10.10
0.302	30.81	13.43	-19.39	50.21	-36.77	0.33	0.05	10.10



Title: FCC Class B - Black Lead
 File: 4 - Pre-Scan - BL - 802.11g - Y-Axis - FCC Class B - 12-22-2023.set
 Operator: Kyle Fujimoto
 EUT Type: Carrier Entry Level and ICP Thermostat 2024
 EUT Condition: The EUT is continuously transmitting 802.11g at 2412 MHz
 Company: Universal Electronics, Inc.
 Model: TSTATCCEWF-01
 S/N: Unit 4
 Y-Axis
 Power Level 92

12/22/2023 8:49:26 AM
 Sequence: Preliminary Scan

Black Lead



Title: FCC Class B - Black Lead
File: 4 - Final Scan - BL - 802.11g - Y-Axis - FCC Class B - 12-22-2023.set
Operator: Kyle Fujimoto
EUT Type: Carrier Entry Level and ICP Thermostat 2024
EUT Condition: The EUT is continuously transmitting 802.11g at 2412 MHz
Company: Universal Electronics, Inc.
Model: TSTATCCEWF-01
S/N: Unit 4
Y-Axis
Power Level 92

12/22/2023 8:51:42 AM
Sequence: Final Measurements

Black Lead									
Freq (MHz)	(PEAK) EMI (dBμV)	(AVG) EMI (dBμV)	(PEAK) Marqin (AVG) (dB)	(AVG) Limit (dBμV)	(AVG) Marqin (AVG) (dB)	Cable (dB)	Transducer (dB)	Filter (dB)	
0.170	44.93	32.46	-9.63	54.55	-22.10	0.28	0.08	10.10	
0.186	45.39	32.23	-9.04	54.43	-22.20	0.28	0.08	10.10	
0.226	42.80	29.52	-9.30	52.11	-22.58	0.30	0.05	10.10	
0.258	40.82	28.80	-10.60	51.43	-22.62	0.31	0.05	10.10	
0.290	39.98	27.50	-10.38	50.36	-22.86	0.33	0.04	10.10	
0.346	39.15	25.95	-9.95	49.10	-23.15	0.35	0.04	10.10	

