

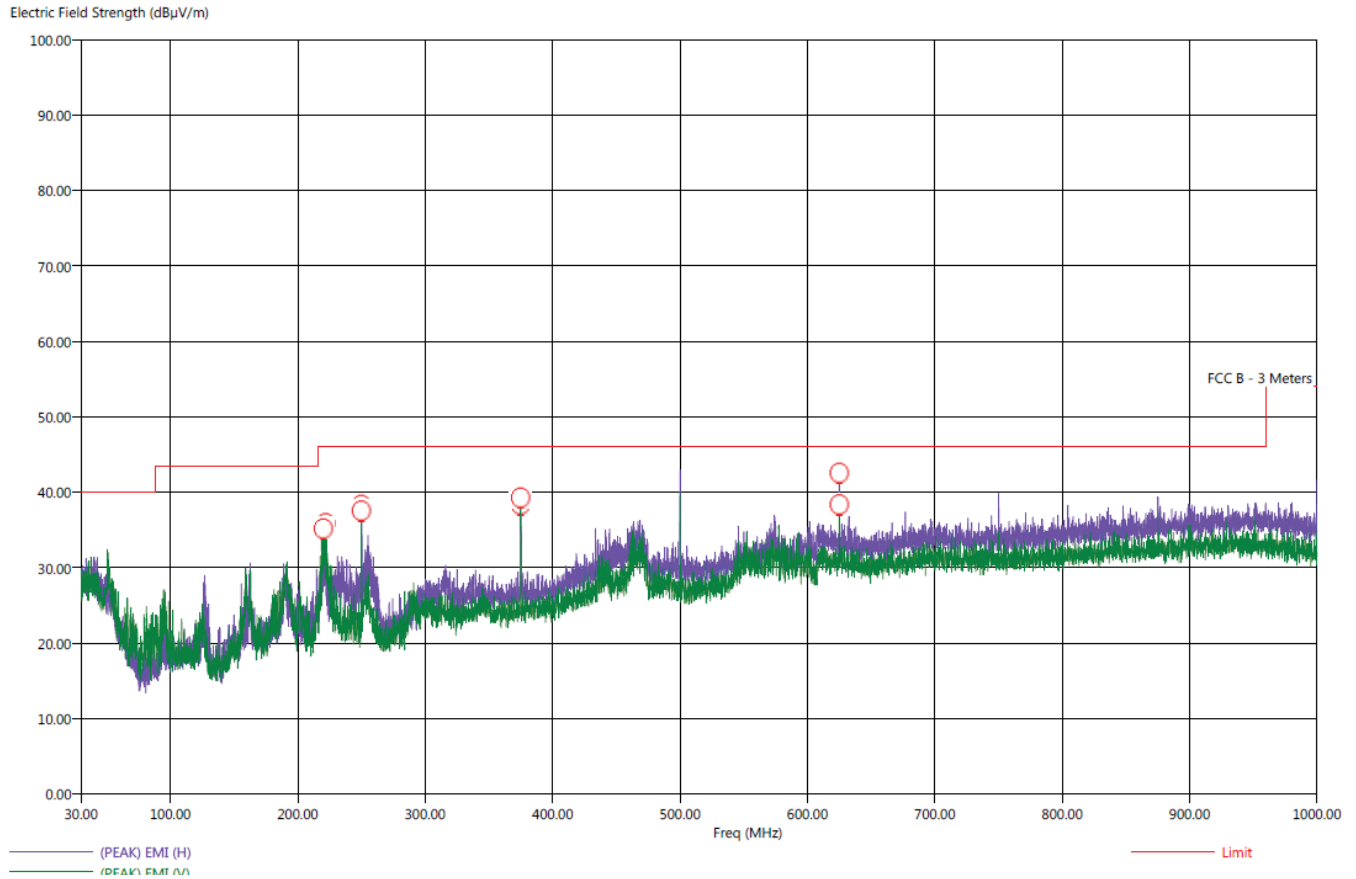


***RADIATED EMISSIONS  
DATA SHEETS***

Title: Pre-Scan - FCC Class B  
 File: Agilent - Pre-Scan - Actuator Power - Ethernet - FCC Class B - 30 MHz to 1000 MHz.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and pinging router  
 Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: Ethernet Mode - Actuator powered

9/18/2018 10:30:48 AM  
 Sequence: Preliminary Scan

FCC Class B



Title: Radiated Final - FCC Class B  
 File: Agilent - Final Scan - Actuator Power - Ethernet - FCC Class B - 30 MHz to 1000 MHz.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and pinging router  
 Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: Ethernet Mode - Actuator Powered

9/18/2018 11:23:40 AM  
 Sequence: Final Measurements

FCC Class B										
Freq (MHz)	Pol	(PEAK) EMI (dBµV/m)	(QP) EMI (dBµV/m)	(PEAK) Margin (dB)	(QP) Margin (dB)	Limit (dBµV/m)	Transducer (dB)	Cable (dB)	Ttbl Agl (deg)	Twr Ht (cm)
220.10	V	41.00	34.03	-5.00	-11.97	46.00	14.61	1.58	274.25	127.26
222.00	V	39.34	33.31	-6.66	-12.69	46.00	14.67	1.59	262.00	159.20
250.00	H	44.92	43.61	-1.08	-2.39	46.00	15.30	1.60	282.00	143.26
250.00	V	42.41	41.16	-3.59	-4.84	46.00	15.30	1.60	223.75	111.32
375.00	H	41.16	37.05	-4.84	-8.95	46.00	18.37	2.00	261.00	111.38
375.00	V	42.95	42.57	-3.05	-3.43	46.00	18.37	2.00	0.00	111.38
625.00	H	47.52	44.96	1.52	-1.04	46.00	23.14	2.50	0.50	111.32
625.00	V	43.32	40.99	-2.68	-5.01	46.00	23.14	2.50	353.25	111.44

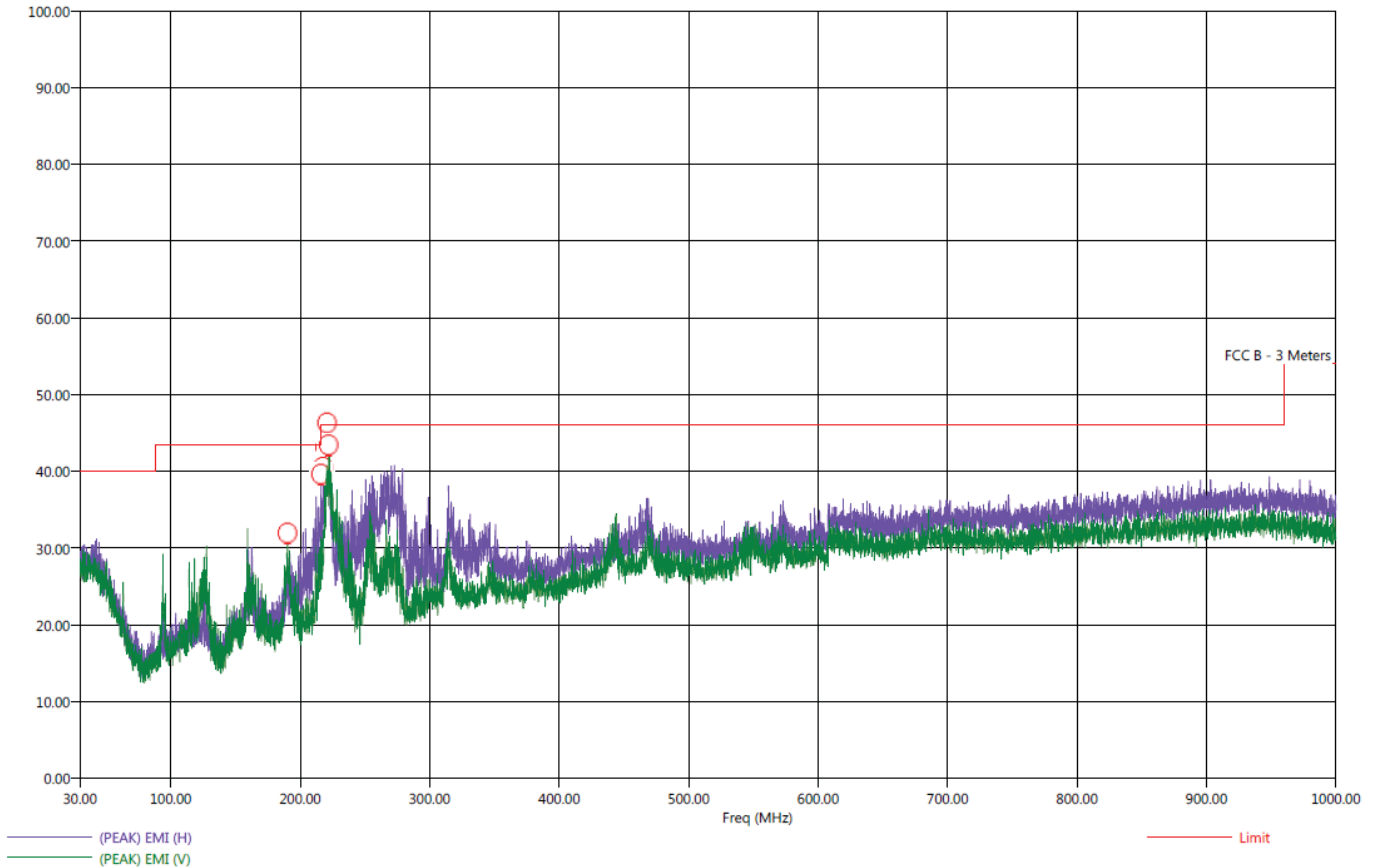


Title: Pre-Scan - FCC Class B  
 File: Agilent - Pre-Scan - Actuator Power - WiFi - FCC Class B - 30 MHz to 1000 MHz.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and WiFi  
 Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: WiFi Mode - Actuator powered

9/18/2018 9:48:50 AM  
 Sequence: Preliminary Scan

FCC Class B

Electric Field Strength (dBμV/m)



Title: Radiated Final - FCC Class B  
 File: Agilent - Final Scan - Actuator Power - WiFi - FCC Class B - 30 MHz to 1000 MHz.set  
 Operator: Kyle Fujimoto  
 EUT Type: WaterCop SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and WiFi  
 Company: DynaQuip Controls, Inc.  
 Model: TBD  
 S/N: N/A  
 Note: WiFi Mode - Actuator powered

9/18/2018 9:58:57 AM  
 Sequence: Final Measurements

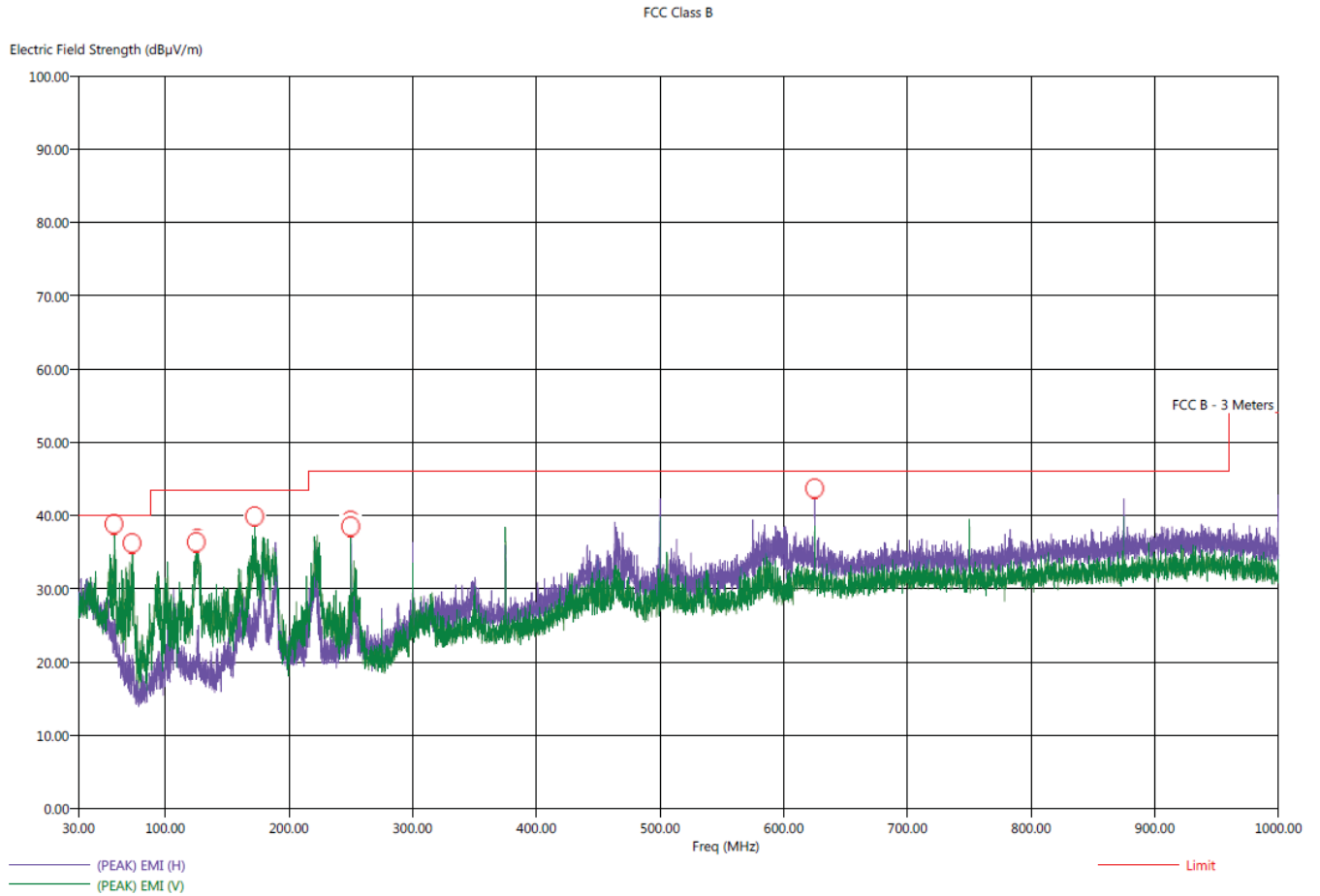
FCC Class B

Freq (MHz)	Pol	(PEAK) EMI (dBµV/m)	(QP) EMI (dBµV/m)	(PEAK) Margin (dB)	(QP) Margin (dB)	Limit (dBµV/m)	Transducer (dB)	Cable (dB)	Ttbl Aql (dea)	Twr Ht (cm)
190.20	V	37.25	30.36	-6.25	-13.14	43.50	14.29	1.42	152.50	111.44
216.00	H	42.44	34.81	-3.56	-11.19	46.00	14.52	1.57	52.25	175.20
217.60	H	43.91	36.81	-2.09	-9.19	46.00	14.56	1.57	63.75	158.97
219.20	H	46.48	40.32	0.48	-5.68	46.00	14.60	1.58	272.00	127.26
220.70	H	49.76	42.49	3.76	-3.51	46.00	14.63	1.58	264.50	143.26
221.90	V	47.19	40.85	1.19	-5.15	46.00	14.65	1.59	309.75	175.14
222.10	H	47.91	41.52	1.91	-4.48	46.00	14.66	1.59	285.50	111.38



Title: Pre-Scan - FCC Class B  
File: Agilent - Pre-Scan - Class 2 Power - Ethernet - FCC Class B - 30 MHz to 1000 MHz.set  
Operator: Kyle Fujimoto  
EUT Type: SmartConnect  
EUT Condition: The EUT is continuously transmitting BLE and pinging router  
Company: DynaQuip Controls, Inc.  
Model: WCSCLV  
S/N: N/A  
Note: Ethernet Mode - Class 2 Transformer powered

9/18/2018 1:01:23 PM  
Sequence: Preliminary Scan



Title: Radiated Final - FCC Class B  
 File: Agilent - Final Scan - Class 2 Power - Ethernet - FCC Class B - 30 MHz to 1000 MHz.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and pinging router  
 Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: Ethernet Mode - Class 2 Transformer powered

9/18/2018 1:11:11 PM  
 Sequence: Final Measurements

FCC Class B

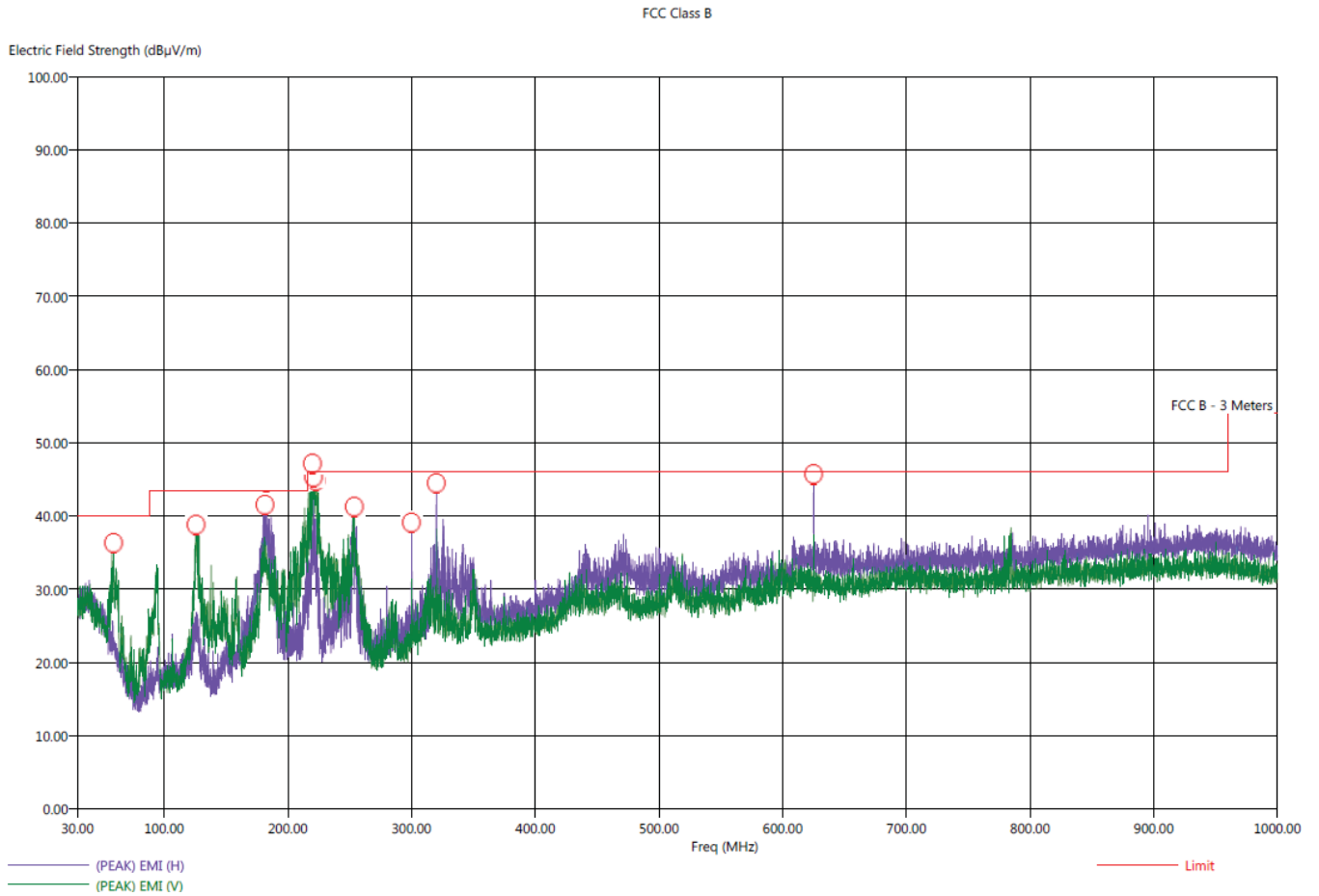
Freq (MHz)	Pol	(PEAK) EMI (dB $\mu$ V/m)	(QP) EMI (dB $\mu$ V/m)	(PEAK) Margin (dB)	(QP) Margin (dB)	Limit (dB $\mu$ V/m)	Transducer (dB)	Cable (dB)	Ttbl Aql (deq)	Twr Ht (cm)
58.70	V	41.11	38.10	1.11	-1.90	40.00	18.14	0.90	175.25	127.26
73.20	V	36.68	34.31	-3.32	-5.69	40.00	12.19	1.03	296.75	111.44
125.10	V	42.18	36.44	-1.32	-7.06	43.50	14.96	1.20	294.25	111.50
126.00	V	43.12	37.91	-0.38	-5.59	43.50	14.81	1.21	303.25	111.44
172.40	V	41.09	36.10	-2.41	-7.40	43.50	14.08	1.30	20.50	127.38
250.00	H	43.78	42.34	-2.22	-3.66	46.00	15.30	1.60	295.75	127.38
250.00	V	45.48	43.41	-0.52	-2.59	46.00	15.30	1.60	346.00	111.32
625.00	H	47.35	45.37	1.35	-0.63	46.00	23.14	2.50	0.00	111.50





Title: Pre-Scan - FCC Class B  
 File: Agilent - Pre-Scan - Class 2 Power - WiFi - FCC Class B - 30 MHz to 1000 MHz.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and WiFi  
 Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: WiFi Mode - Class 2 Transformer powered

9/18/2018 1:33:41 PM  
 Sequence: Preliminary Scan



Title: Radiated Final - FCC Class B  
 File: Agilent - Final Scan - Class 2 Power - WiFi - FCC Class B - 30 MHz to 1000 MHz.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and WiFi  
 Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: WiFi Mode - Class 2 Transformer powered

9/18/2018 1:46:24 PM  
 Sequence: Final Measurements

FCC Class B										
Freq (MHz)	Pol	(PEAK) EMI (dBµV/m)	(QP) EMI (dBµV/m)	(PEAK) Margin (dB)	(QP) Margin (dB)	Limit (dBµV/m)	Transducer (dB)	Cable (dB)	Ttbl Aql (dea)	Twr Ht (cm)
59.10	V	36.50	27.79	-3.50	-12.21	40.00	17.97	0.90	212.75	159.26
125.90	V	43.12	35.50	-0.38	-8.00	43.50	14.89	1.20	301.75	127.38
181.60	H	43.58	36.62	0.08	-6.88	43.50	14.47	1.36	101.75	143.20
182.60	H	44.01	36.92	0.51	-6.58	43.50	14.44	1.36	307.75	175.26
219.90	V	51.61	42.72	5.61	-3.28	46.00	14.61	1.58	281.50	127.08
220.70	V	51.54	43.51	5.54	-2.49	46.00	14.63	1.58	280.00	190.43
222.60	V	50.90	42.57	4.90	-3.43	46.00	14.68	1.59	288.25	127.20
253.80	V	42.84	35.47	-3.16	-10.53	46.00	15.49	1.62	64.00	191.14
300.00	H	40.68	39.03	-5.32	-6.97	46.00	17.70	1.70	32.00	111.44
320.00	H	43.61	40.95	-2.39	-5.05	46.00	17.70	1.78	117.00	127.20
625.00	H	47.68	45.13	1.68	-0.87	46.00	23.15	2.50	360.00	111.44



**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Dates: 09/14/2018 and 09/19/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Fundamental - Ethernet Mode - Actuator Power  
 Low Channel**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2402.00	99.09	V	113.97	-14.88	Peak	232.75	140.52	X-Axis
2402.00	79.09	V	93.97	-14.88	Avg	232.75	140.52	Vertical Polarization
2402.00	103.01	V	113.97	-10.96	Peak	73.50	249.31	Y-Axis
2402.00	83.01	V	93.97	-10.96	Avg	73.50	249.31	Vertical Polarization
2402.00	101.94	V	113.97	-12.03	Peak	222.75	233.65	Z-Axis
2402.00	81.94	V	93.97	-12.03	Avg	222.75	233.65	Vertical Polarization
2402.00	104.69	H	113.97	-9.28	Peak	4.50	100.25	X-Axis
2402.00	84.69	H	93.97	-9.28	Avg	4.50	100.25	Horizontal Polarization
2402.00	103.76	H	113.97	-10.21	Peak	251.75	111.14	Y-Axis
2402.00	83.76	H	93.97	-10.21	Avg	251.75	111.14	Horizontal Polarization
2402.00	105.76	H	113.97	-8.21	Peak	191.50	191.50	Z-Axis
2402.00	85.76	H	93.97	-8.21	Avg	191.50	191.50	Horizontal Polarization

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Dates: 09/14/2018 and 09/19/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Fundamental - Ethernet Mode - Actuator Power  
 Middle Channel**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2442.00	96.80	V	113.97	-17.17	Peak	37.00	121.29	X-Axis
2442.00	76.80	V	93.97	-17.17	Avg	37.00	121.29	Vertical Polarization
2442.00	101.76	V	113.97	-12.21	Peak	158.50	163.38	Y-Axis
2442.00	81.76	V	93.97	-12.21	Avg	158.50	163.38	Vertical Polarization
2442.00	99.92	V	113.97	-14.05	Peak	218.25	101.35	Z-Axis
2442.00	79.92	V	93.97	-14.05	Avg	218.25	101.35	Vertical Polarization
2442.00	105.93	H	113.97	-8.05	Peak	206.75	127.44	X-Axis
2442.00	85.93	H	93.97	-8.05	Avg	206.75	127.44	Horizontal Polarization
2442.00	103.90	H	113.97	-10.07	Peak	261.00	163.56	Y-Axis
2442.00	83.90	H	93.97	-10.07	Avg	261.00	163.56	Horizontal Polarization
2442.00	104.85	H	113.97	-9.12	Peak	203.75	214.79	Z-Axis
2442.00	84.85	H	93.97	-9.12	Avg	203.75	214.79	Horizontal Polarization

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Dates: 09/14/2018 and 09/19/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Fundamental - Ethernet Mode - Actuator Power  
 High Channel**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2480.00	97.72	V	113.97	-16.25	Peak	351.25	222.07	X-Axis
2480.00	77.72	V	93.97	-16.25	Avg	351.25	222.07	Vertical Polarization
2480.00	102.08	V	113.97	-11.89	Peak	175.50	185.05	Y-Axis
2480.00	82.08	V	93.97	-11.89	Avg	175.50	185.05	Vertical Polarization
2480.00	100.68	V	113.97	-13.29	Peak	152.25	196.21	Z-Axis
2480.00	80.68	V	93.97	-13.29	Avg	152.25	16.21	Vertical Polarization
2480.00	105.47	H	113.97	-8.50	Peak	198.25	205.47	X-Axis
2480.00	85.47	H	93.97	-8.50	Avg	198.25	205.47	Horizontal Polarization
2480.00	97.94	H	113.97	-16.03	Peak	268.75	168.88	Y-Axis
2480.00	77.94	H	93.97	-16.03	Avg	268.75	168.88	Horizontal Polarization
2480.00	104.99	H	113.97	-8.98	Peak	142.25	175.69	Z-Axis
2480.00	84.99	H	93.97	-8.98	Avg	142.25	175.69	Horizontal Polarization

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**Ethernet Mode - Actuator Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	56.44	V	73.97	-17.53	Peak	264.00	191.02	
4804.00	36.44	V	53.97	-17.53	Avg	264.00	191.02	
7206.00	54.72	V	73.97	-19.25	Peak	240.00	222.85	
7206.00	34.72	V	53.97	-19.25	Avg	240.00	222.85	
9608.00	53.52	V	73.97	-20.45	Peak	297.00	249.99	
9608.00	33.52	V	53.97	-20.45	Avg	297.00	249.99	
12010.00	53.28	V	73.97	-20.69	Peak	284.00	111.38	
12010.00	33.28	V	53.97	-20.69	Avg	284.00	111.38	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**Ethernet Mode - Actuator Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	54.92	V	73.97	-19.05	Peak	125.75	111.14	
4804.00	34.92	V	53.97	-19.05	Avg	125.75	111.14	
7206.00	57.03	V	73.97	-16.94	Peak	349.00	111.32	
7206.00	37.03	V	53.97	-16.94	Avg	349.00	111.32	
9608.00	59.72	V	73.97	-14.25	Peak	306.50	127.26	
9608.00	39.72	V	53.97	-14.25	Avg	306.50	127.26	
12010.00	54.81	V	73.97	-19.16	Peak	294.00	222.85	
12010.00	34.81	V	53.97	-19.16	Avg	294.00	222.85	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**Ethernet Mode - Actuator Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	58.03	V	73.97	-15.94	Peak	0.00	143.14	
4804.00	38.03	V	53.97	-15.94	Avg	0.00	143.14	
7206.00	52.23	V	73.97	-21.74	Peak	260.50	249.89	
7206.00	32.23	V	53.97	-21.74	Avg	260.50	249.89	
9608.00	58.19	V	73.97	-15.78	Peak	3.25	175.02	
9608.00	38.19	V	53.97	-15.78	Avg	3.25	175.02	
12010.00	57.33	V	73.97	-16.64	Peak	254.25	190.97	
12010.00	37.33	V	53.97	-16.64	Avg	254.25	190.97	
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



**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**Ethernet Mode - Actuator Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	56.55	H	73.97	-17.42	Peak	322.00	111.08	
4804.00	36.55	H	53.97	-17.42	Avg	322.00	111.08	
7206.00	55.74	H	73.97	-18.23	Peak	100.25	175.02	
7206.00	35.74	H	53.97	-18.23	Avg	100.25	175.02	
9608.00	59.42	H	73.97	-14.55	Peak	359.25	127.08	
9608.00	39.42	H	53.97	-14.55	Avg	359.25	127.08	
12010.00	55.40	H	73.97	-18.57	Peak	37.25	127.20	
12010.00	35.40	H	53.97	-18.57	Avg	37.25	127.20	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**Ethernet Mode - Actuator Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	57.87	H	73.97	-16.10	Peak	59.50	127.20	
4804.00	37.87	H	53.97	-16.10	Avg	59.50	127.20	
7206.00	53.86	H	73.97	-20.11	Peak	62.00	206.97	
7206.00	33.86	H	53.97	-20.11	Avg	62.00	206.97	
9608.00	58.29	H	73.97	-15.68	Peak	351.50	175.26	
9608.00	38.29	H	53.97	-15.68	Avg	351.50	175.26	
12010.00	52.42	H	73.97	-21.55	Peak	300.00	222.67	
12010.00	32.42	H	53.97	-21.55	Avg	300.00	222.67	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**Ethernet Mode - Actuator Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	56.04	H	73.97	-17.93	Peak	41.25	127.14	
4804.00	36.04	H	53.97	-17.93	Avg	41.25	127.14	
7206.00	55.24	H	73.97	-18.73	Peak	196.25	206.91	
7206.00	35.24	H	53.97	-18.73	Avg	196.25	206.91	
9608.00	58.22	H	73.97	-15.75	Peak	12.75	111.26	
9608.00	38.22	H	53.97	-15.75	Avg	12.75	111.26	
12010.00	55.84	H	73.97	-18.13	Peak	141.00	111.32	
12010.00	35.84	H	53.97	-18.13	Avg	141.00	111.32	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/13/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**Ethernet Mode - Actuator Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	50.53	V	73.97	-23.44	Peak	122.00	175.08	
4884.00	30.53	V	53.97	-23.44	Avg	122.00	175.08	
7326.00	47.59	V	73.97	-26.38	Peak	85.75	206.91	
7326.00	27.59	V	53.97	-26.38	Avg	85.75	206.91	
9768.00	46.91	V	73.97	-27.06	Peak	164.75	127.26	
9768.00	26.91	V	53.97	-27.06	Avg	164.75	127.26	
12210.00	48.21	V	73.97	-25.76	Peak	331.25	249.97	
12210.00	28.21	V	53.97	-25.76	Avg	331.25	249.97	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/13/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**Ethernet Mode - Actuator Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	49.82	V	73.97	-24.15	Peak	254.75	159.08	
4884.00	29.82	V	53.97	-24.15	Avg	254.75	159.08	
7326.00	50.88	V	73.97	-23.09	Peak	250.50	110.31	
7326.00	30.88	V	53.97	-23.09	Avg	250.50	110.31	
9768.00	50.44	V	73.97	-23.53	Peak	248.50	190.85	
9768.00	30.44	V	53.97	-23.53	Avg	248.50	190.85	
12210.00	52.15	V	73.97	-21.82	Peak	254.00	238.67	
12210.00	32.15	V	53.97	-21.82	Avg	254.00	238.67	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/13/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**Ethernet Mode - Actuator Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	51.72	V	73.97	-22.25	Peak	10.50	159.14	
4884.00	31.72	V	53.97	-22.25	Avg	10.50	159.14	
7326.00	46.79	V	73.97	-27.18	Peak	0.00	222.67	
7326.00	26.79	V	53.97	-27.18	Avg	0.00	222.67	
9768.00	49.68	V	73.97	-24.29	Peak	0.00	159.14	
9768.00	29.68	V	53.97	-24.29	Avg	0.00	159.14	
12210.00	49.30	V	73.97	-24.67	Peak	86.75	206.85	
12210.00	29.30	V	53.97	-24.67	Avg	86.75	206.85	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/13/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**Ethernet Mode - Actuator Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	48.73	H	73.97	-25.24	Peak	252.50	127.20	
4884.00	28.73	H	53.97	-25.24	Avg	252.50	127.20	
7326.00	49.79	H	73.97	-24.18	Peak	292.50	127.14	
7326.00	29.79	H	53.97	-24.18	Avg	292.50	127.14	
9768.00	48.79	H	73.97	-25.18	Peak	189.00	159.20	
9768.00	28.79	H	53.97	-25.18	Avg	189.00	159.20	
12210.00	49.11	H	73.97	-24.86	Peak	169.50	127.20	
12210.00	29.11	H	53.97	-24.86	Avg	169.50	127.20	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/13/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**Ethernet Mode - Actuator Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	51.67	H	73.97	-22.30	Peak	285.25	190.85	
4884.00	31.67	H	53.97	-22.30	Avg	285.25	190.85	
7326.00	50.61	H	73.97	-23.36	Peak	62.50	127.14	
7326.00	30.61	H	53.97	-23.36	Avg	62.50	127.14	
9768.00	50.91	H	73.97	-23.06	Peak	54.50	111.44	
9768.00	30.91	H	53.97	-23.06	Avg	54.50	111.44	
12210.00	52.01	H	73.97	-21.96	Peak	65.25	249.99	
12210.00	32.01	H	53.97	-21.96	Avg	65.25	249.99	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected



**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/13/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**Ethernet Mode - Actuator Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	41.05	H	73.97	-32.92	Peak	51.25	111.38	
4884.00	21.05	H	53.97	-32.92	Avg	51.25	111.38	
7326.00	52.81	H	73.97	-21.16	Peak	330.75	175.02	
7326.00	32.81	H	53.97	-21.16	Avg	330.75	175.02	
9768.00	50.27	H	73.97	-23.70	Peak	12.50	127.14	
9768.00	30.27	H	53.97	-23.70	Avg	12.25	127.14	
12210.00	50.04	H	73.97	-23.93	Peak	306.50	126.91	
12210.00	30.04	H	53.97	-23.93	Avg	306.50	126.91	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/13/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**Ethernet Mode - Actuator Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	45.09	V	73.97	-28.88	Peak	72.50	206.67	
4960.00	25.09	V	53.97	-28.88	Avg	72.50	206.67	
7440.00	43.58	V	73.97	-30.39	Peak	215.25	190.85	
7440.00	23.58	V	53.97	-30.39	Avg	215.25	190.85	
9920.00	45.15	V	73.97	-28.82	Peak	126.50	159.02	
9920.00	25.15	V	53.97	-28.82	Avg	126.50	159.02	
12400.00	48.53	V	73.97	-25.44	Peak	222.25	159.20	
12400.00	28.53	V	53.97	-25.44	Avg	222.25	159.20	
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 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/13/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**Ethernet Mode - Actuator Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	44.81	V	73.97	-29.16	Peak	221.50	174.91	
4960.00	24.81	V	53.97	-29.16	Avg	221.50	174.91	
7440.00	44.88	V	73.97	-29.09	Peak	59.75	206.73	
7440.00	24.88	V	53.97	-29.09	Avg	59.75	206.73	
9920.00	44.81	V	73.97	-29.16	Peak	119.75	222.85	
9920.00	24.81	V	53.97	-29.16	Avg	119.75	222.85	
12400.00	48.87	V	73.97	-25.10	Peak	359.00	111.38	
12400.00	28.87	V	53.97	-25.10	Avg	359.00	111.38	
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 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/13/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**Ethernet Mode - Actuator Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	41.92	V	73.97	-32.05	Peak	231.00	111.26	
4960.00	21.92	V	53.97	-32.05	Avg	231.00	111.26	
7440.00	43.91	V	73.97	-30.06	Peak	297.00	249.91	
7440.00	23.91	V	53.97	-30.06	Avg	297.00	249.91	
9920.00	44.86	V	73.97	-29.11	Peak	289.00	190.79	
9920.00	24.86	V	53.97	-29.11	Avg	289.00	190.79	
12400.00	48.24	V	73.97	-25.73	Peak	264.75	159.08	
12400.00	28.24	V	53.97	-25.73	Avg	264.75	159.08	
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 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/13/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**Ethernet Mode - Actuator Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	43.99	H	73.97	-29.98	Peak	91.75	174.91	
4960.00	23.99	H	53.97	-29.98	Avg	91.75	174.91	
7440.00	43.96	H	73.97	-30.01	Peak	344.25	222.73	
7440.00	23.96	H	53.97	-30.01	Avg	344.25	222.73	
9920.00	44.59	H	73.97	-29.38	Peak	288.75	222.79	
9920.00	24.59	H	53.97	-29.38	Avg	288.75	222.79	
12400.00	48.40	H	73.97	-25.57	Peak	218.75	190.97	
12400.00	28.40	H	53.97	-25.57	Avg	218.75	190.97	
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 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/13/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel  
 Ethernet Mode - Actuator Power  
 Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	43.72	H	73.97	-30.25	Peak	198.25	206.79	
4960.00	23.72	H	53.97	-30.25	Avg	198.25	206.79	
7440.00	45.64	H	73.97	-28.33	Peak	192.00	143.32	
7440.00	25.64	H	53.97	-28.33	Avg	192.00	143.32	
9920.00	44.20	H	73.97	-29.77	Peak	64.00	249.91	
9920.00	24.20	H	53.97	-29.77	Avg	64.00	249.91	
12400.00	48.31	H	73.97	-25.66	Peak	274.25	175.14	
12400.00	28.31	H	53.97	-25.66	Avg	274.25	175.14	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/13/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**Ethernet Mode - Actuator Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	41.87	H	73.97	-32.10	Peak	86.50	159.14	
4960.00	21.87	H	53.97	-32.10	Avg	86.50	159.14	
7440.00	44.62	H	73.97	-29.35	Peak	271.25	222.73	
7440.00	24.62	H	53.97	-29.35	Avg	271.25	222.73	
9920.00	44.66	H	73.97	-29.31	Peak	251.25	249.97	
9920.00	24.66	H	53.97	-29.31	Avg	251.25	249.97	
12400.00	48.41	H	73.97	-25.56	Peak	41.25	173.83	
12400.00	28.41	H	53.97	-25.56	Avg	41.25	173.83	
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 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/13/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Ethernet Mode - Actuator Power**

**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**

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 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 digital portion of 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



**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/19/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Fundamental - Ethernet Mode - DC Power  
 Low Channel**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2402.00	99.58	V	113.97	-14.39	Peak	26.25	125.25	X-Axis
2402.00	79.58	V	93.97	-14.39	Avg	26.25	125.25	Vertical Polarization
2402.00	103.26	V	113.97	-10.71	Peak	18.75	139.86	Y-Axis
2402.00	83.26	V	93.97	-10.71	Avg	18.75	139.86	Vertical Polarization
2402.00	102.09	V	113.97	-11.88	Peak	180.26	140.24	Z-Axis
2402.00	82.09	V	93.97	-11.88	Avg	180.26	140.24	Vertical Polarization
2402.00	104.97	H	113.97	-9.00	Peak	123.25	168.24	X-Axis
2402.00	84.97	H	93.97	-9.00	Avg	123.25	168.24	Horizontal Polarization
2402.00	103.58	H	113.97	-10.39	Peak	250.25	159.58	Y-Axis
2402.00	83.58	H	93.97	-10.39	Avg	250.25	159.58	Horizontal Polarization
2402.00	105.75	H	113.97	-8.22	Peak	26.25	142.97	Z-Axis
2402.00	85.75	H	93.97	-8.22	Avg	26.25	142.97	Horizontal Polarization

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/19/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Fundamental - Ethernet Mode - DC Power  
 Middle Channel**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2442.00	97.59	V	113.97	-16.38	Peak	102.24	158.58	X-Axis
2442.00	77.59	V	93.97	-16.38	Avg	102.24	158.58	Vertical Polarization
2442.00	102.14	V	113.97	-11.83	Peak	156.58	190.58	Y-Axis
2442.00	82.14	V	93.97	-11.83	Avg	156.58	190.58	Vertical Polarization
2442.00	100.24	V	113.97	-13.73	Peak	202.25	185.59	Z-Axis
2442.00	80.24	V	93.97	-13.73	Avg	202.25	185.59	Vertical Polarization
2442.00	105.26	H	113.97	-8.71	Peak	199.25	175.25	X-Axis
2442.00	85.26	H	93.97	-8.71	Avg	199.25	175.25	Horizontal Polarization
2442.00	103.42	H	113.97	-10.55	Peak	202.58	166.25	Y-Axis
2442.00	83.42	H	93.97	-10.55	Avg	202.58	166.25	Horizontal Polarization
2442.00	104.45	H	113.97	-9.52	Peak	163.25	154.28	Z-Axis
2442.00	84.45	H	93.97	-9.52	Avg	163.25	154.28	Horizontal Polarization

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/19/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Fundamental - Ethernet Mode - DC Power  
 High Channel**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2480.00	98.06	V	113.97	-15.91	Peak	142.25	195.24	X-Axis
2480.00	78.06	V	93.97	-15.91	Avg	142.25	195.24	Vertical Polarization
2480.00	102.05	V	113.97	-11.92	Peak	153.75	203.32	Y-Axis
2480.00	82.05	V	93.97	-11.92	Avg	153.75	203.32	Vertical Polarization
2480.00	100.54	V	113.97	-13.43	Peak	150.25	197.25	Z-Axis
2480.00	80.54	V	93.97	-13.43	Avg	150.25	197.25	Vertical Polarization
2480.00	105.05	H	113.97	-8.92	Peak	193.00	181.17	X-Axis
2480.00	85.05	H	93.97	-8.92	Avg	193.00	181.17	Horizontal Polarization
2480.00	98.63	H	113.97	-15.34	Peak	151.25	198.25	Y-Axis
2480.00	78.63	H	93.97	-15.34	Avg	151.25	198.25	Horizontal Polarization
2480.00	104.15	H	113.97	-9.82	Peak	152.25	197.24	Z-Axis
2480.00	84.15	H	93.97	-9.82	Avg	152.25	197.24	Horizontal Polarization

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	53.16	V	73.97	-20.81	Peak	231.00	190.79	
4804.00	33.16	V	53.97	-20.81	Avg	231.00	190.79	
7206.00	44.66	V	73.97	-29.31	Peak	23.25	222.73	
7206.00	24.66	V	53.97	-29.31	Avg	23.25	222.73	
9608.00	52.99	V	73.97	-20.98	Peak	192.25	159.08	
9608.00	32.99	V	53.97	-20.98	Avg	192.25	159.08	
12010.00	50.35	V	73.97	-23.62	Peak	121.25	127.14	
12010.00	30.35	V	53.97	-23.62	Avg	121.25	127.14	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	51.89	V	73.97	-22.08	Peak	0.00	111.26	
4804.00	31.89	V	53.97	-22.08	Avg	0.00	111.26	
7206.00	52.86	V	73.97	-21.11	Peak	303.00	127.14	
7206.00	32.86	V	53.97	-21.11	Avg	303.00	127.14	
9608.00	55.75	V	73.97	-18.22	Peak	269.50	111.32	
9608.00	35.75	V	53.97	-18.22	Avg	269.50	111.32	
12010.00	55.02	V	73.97	-18.95	Peak	269.75	158.91	
12010.00	35.02	V	53.97	-18.95	Avg	269.75	158.91	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	58.26	V	73.97	-15.71	Peak	14.00	174.91	
4804.00	38.26	V	53.97	-15.71	Avg	14.00	174.91	
7206.00	51.38	V	73.97	-22.59	Peak	0.00	222.55	
7206.00	31.38	V	53.97	-22.59	Avg	0.00	222.55	
9608.00	55.64	V	73.97	-18.33	Peak	9.50	111.38	
9608.00	35.64	V	53.97	-18.33	Avg	9.50	111.38	
12010.00	53.98	V	73.97	-19.99	Peak	142.75	110.85	
12010.00	33.98	V	53.97	-19.99	Avg	142.75	110.85	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	54.11	H	73.97	-19.86	Peak	216.25	111.32	
4804.00	34.11	H	53.97	-19.86	Avg	216.25	111.32	
7206.00	55.16	H	73.97	-18.81	Peak	286.75	111.32	
7206.00	35.16	H	53.97	-18.81	Avg	276.75	111.32	
9608.00	58.44	H	73.97	-15.53	Peak	188.75	127.26	
9608.00	38.44	H	53.97	-15.53	Avg	188.75	127.26	
12010.00	54.51	H	73.97	-19.46	Peak	231.75	127.20	
12010.00	34.51	H	53.97	-19.46	Avg	231.75	127.20	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	53.02	H	73.97	-20.95	Peak	278.00	143.20	
4804.00	33.02	H	53.97	-20.95	Avg	278.00	143.20	
7206.00	54.52	H	73.97	-19.45	Peak	52.75	222.61	
7206.00	34.52	H	53.97	-19.45	Avg	52.75	222.61	
9608.00	55.36	H	73.97	-18.61	Peak	327.75	111.26	
9608.00	35.36	H	53.97	-18.61	Avg	327.75	111.26	
12010.00	51.43	H	73.97	-22.54	Peak	0.25	111.20	
12010.00	31.43	H	53.97	-22.54	Avg	0.25	111.20	
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



**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	53.23	H	73.97	-20.74	Peak	314.25	127.14	
4804.00	33.23	H	53.97	-20.74	Avg	314.25	127.14	
7206.00	55.77	H	73.97	-18.20	Peak	189.75	111.38	
7206.00	35.77	H	53.97	-18.20	Avg	189.75	111.38	
9608.00	57.83	H	73.97	-16.14	Peak	4.50	111.20	
9608.00	37.83	H	53.97	-16.14	Avg	4.50	111.20	
12010.00	55.49	H	73.97	-18.48	Peak	146.75	126.79	
12010.00	35.49	H	53.97	-18.48	Avg	146.75	126.79	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	50.73	V	73.97	-23.24	Peak	95.50	238.49	
4884.00	30.73	V	53.97	-23.24	Avg	95.50	238.49	
7326.00	46.89	V	73.97	-27.08	Peak	315.25	222.55	
7326.00	26.89	V	53.97	-27.08	Avg	315.25	222.55	
9768.00	50.21	V	73.97	-23.76	Peak	115.50	127.20	
9768.00	30.21	V	53.97	-23.76	Avg	115.50	127.20	
12210.00	49.43	V	73.97	-24.54	Peak	119.25	222.67	
12210.00	29.43	V	53.97	-24.54	Avg	119.25	222.67	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	54.32	V	73.97	-19.65	Peak	188.25	111.32	
4884.00	34.32	V	53.97	-19.65	Avg	188.25	111.32	
7326.00	52.80	V	73.97	-21.17	Peak	260.75	238.37	
7326.00	32.80	V	53.97	-21.17	Avg	260.75	238.37	
9768.00	56.65	V	73.97	-17.32	Peak	169.75	127.26	
9768.00	36.65	V	53.97	-17.32	Avg	169.75	127.26	
12210.00	53.26	V	73.97	-20.71	Peak	211.75	158.91	
12210.00	33.26	V	53.97	-20.71	Avg	211.75	158.91	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	53.30	V	73.97	-20.67	Peak	352.50	158.85	
4884.00	33.30	V	53.97	-20.67	Avg	352.50	158.85	
7326.00	48.15	V	73.97	-25.82	Peak	0.00	190.67	
7326.00	28.15	V	53.97	-25.82	Avg	0.00	190.67	
9768.00	52.87	V	73.97	-21.10	Peak	84.50	238.55	
9768.00	32.87	V	53.97	-21.10	Avg	84.50	238.55	
12210.00	51.33	V	73.97	-22.64	Peak	152.00	158.85	
12210.00	31.33	V	53.97	-22.64	Avg	152.00	158.85	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	52.72	H	73.97	-21.25	Peak	200.00	111.26	
4884.00	32.72	H	53.97	-21.25	Avg	200.00	111.26	
7326.00	52.87	H	73.97	-21.10	Peak	294.00	111.32	
7326.00	32.87	H	53.97	-21.10	Avg	294.00	111.32	
9768.00	55.12	H	73.97	-18.85	Peak	194.50	111.32	
9768.00	35.12	H	53.97	-18.85	Avg	194.50	111.32	
12210.00	54.47	H	73.97	-19.50	Peak	308.25	111.26	
12210.00	34.47	H	53.97	-19.50	Avg	308.25	111.26	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	50.00	H	73.97	-23.97	Peak	79.50	206.67	
4884.00	30.00	H	53.97	-23.97	Avg	79.50	206.67	
7326.00	49.56	H	73.97	-24.41	Peak	358.00	174.55	
7326.00	29.56	H	53.97	-24.41	Avg	358.00	174.55	
9768.00	50.89	H	73.97	-23.08	Peak	115.50	158.55	
9768.00	30.89	H	53.97	-23.08	Avg	115.50	158.55	
12210.00	50.96	H	73.97	-23.01	Peak	105.50	249.89	
12210.00	30.96	H	53.97	-23.01	Avg	105.50	249.89	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	51.82	H	73.97	-22.15	Peak	310.75	127.20	
4884.00	31.82	H	53.97	-22.15	Avg	310.75	127.20	
7326.00	51.74	H	73.97	-22.23	Peak	189.00	127.08	
7326.00	31.74	H	53.97	-22.23	Avg	189.00	127.08	
9768.00	54.18	H	73.97	-19.79	Peak	12.00	127.20	
9768.00	34.18	H	53.97	-19.79	Avg	12.00	127.20	
12210.00	52.87	H	73.97	-21.10	Peak	154.75	127.20	
12210.00	32.87	H	53.97	-21.10	Avg	154.75	127.20	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	42.55	V	73.97	-31.42	Peak	206.00	159.20	
4960.00	22.55	V	53.97	-31.42	Avg	206.00	159.20	
7440.00	44.66	V	73.97	-29.31	Peak	178.75	143.38	
7440.00	24.66	V	53.97	-29.31	Avg	178.75	143.38	
9920.00	44.40	V	73.97	-29.57	Peak	170.75	223.02	
9920.00	24.40	V	53.97	-29.57	Avg	170.75	223.02	
12400.00	48.75	V	73.97	-25.22	Peak	334.25	249.97	
12400.00	28.75	V	53.97	-25.22	Avg	334.25	249.97	
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 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	43.59	V	73.97	-30.38	Peak	262.00	222.97	
4960.00	23.59	V	53.97	-30.38	Avg	262.00	222.97	
7440.00	44.20	V	73.97	-29.77	Peak	141.50	191.02	
7440.00	24.20	V	53.97	-29.77	Avg	141.50	191.02	
9920.00	44.96	V	73.97	-29.01	Peak	220.00	127.32	
9920.00	24.96	V	53.97	-29.01	Avg	220.00	127.32	
12400.00	48.52	V	73.97	-25.45	Peak	256.50	159.26	
12400.00	28.52	V	53.97	-25.45	Avg	256.50	159.26	
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 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	41.57	V	73.97	-32.40	Peak	358.00	174.97	
4960.00	21.57	V	53.97	-32.40	Avg	358.00	174.97	
7440.00	44.12	V	73.97	-29.85	Peak	190.00	127.08	
7440.00	24.12	V	53.97	-29.85	Avg	190.00	127.08	
9920.00	45.04	V	73.97	-28.93	Peak	93.50	190.85	
9920.00	25.04	V	53.97	-28.93	Avg	93.50	190.85	
12400.00	48.58	V	73.97	-25.39	Peak	223.00	222.49	
12400.00	28.58	V	53.97	-25.39	Avg	223.00	222.49	
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 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	41.66	H	73.97	-32.31	Peak	288.75	223.08	
4960.00	21.66	H	53.97	-32.31	Avg	288.75	223.08	
7440.00	44.51	H	73.97	-29.46	Peak	154.75	238.97	
7440.00	24.51	H	53.97	-29.46	Avg	154.75	238.97	
9920.00	44.48	H	73.97	-29.49	Peak	344.75	127.32	
9920.00	24.48	H	53.97	-29.49	Avg	344.75	127.32	
12400.00	49.00	H	73.97	-24.97	Peak	131.50	143.32	
12400.00	29.00	H	53.97	-24.97	Avg	131.50	143.32	
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 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	41.87	H	73.97	-32.10	Peak	274.25	249.97	
4960.00	21.87	H	53.97	-32.10	Avg	274.25	249.97	
7440.00	44.92	H	73.97	-29.05	Peak	220.25	175.14	
7440.00	24.92	H	53.97	-29.05	Avg	220.25	175.14	
9920.00	44.80	H	73.97	-29.17	Peak	259.00	238.97	
9920.00	24.80	H	53.97	-29.17	Avg	259.00	238.97	
12400.00	48.27	H	73.97	-25.70	Peak	78.00	190.85	
12400.00	28.27	H	53.97	-25.70	Avg	78.00	190.85	
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 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**Ethernet Mode - DC Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	44.47	H	73.97	-29.50	Peak	292.00	111.08	
4960.00	24.47	H	53.97	-29.50	Avg	292.00	111.08	
7440.00	45.55	H	73.97	-28.42	Peak	26.00	157.83	
7440.00	25.55	H	53.97	-28.42	Avg	26.00	157.83	
9920.00	44.23	H	73.97	-29.74	Peak	108.75	222.61	
9920.00	24.23	H	53.97	-29.74	Avg	108.75	222.61	
12400.00	48.61	H	73.97	-25.36	Peak	218.00	190.91	
12400.00	28.61	H	53.97	-25.36	Avg	218.00	190.91	
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 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/19/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Fundamental - WiFi Mode - Actuator Power  
 Middle Channel**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2442.00	97.58	V	113.97	-16.39	Peak	194.25	170.25	X-Axis
2442.00	77.58	V	93.97	-16.39	Avg	194.25	170.25	Vertical Polarization
2442.00	102.98	V	113.97	-10.99	Peak	226.25	172.25	Y-Axis
2442.00	82.98	V	93.97	-10.99	Avg	226.25	172.25	Vertical Polarization
2442.00	102.25	V	113.97	-11.72	Peak	315.25	202.58	Z-Axis
2442.00	82.25	V	93.97	-11.72	Avg	315.25	202.58	Vertical Polarization
2442.00	105.67	H	113.97	-8.30	Peak	312.25	206.47	X-Axis
2442.00	85.67	H	93.97	-8.30	Avg	312.25	206.47	Horizontal Polarization
2442.00	103.59	H	113.97	-10.38	Peak	313.25	211.58	Y-Axis
2442.00	83.59	H	93.97	-10.38	Avg	313.25	211.58	Horizontal Polarization
2442.00	104.59	H	113.97	-9.38	Peak	310.25	208.57	Z-Axis
2442.00	84.59	H	93.97	-9.38	Avg	310.25	208.57	Horizontal Polarization



**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/19/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Fundamental - WiFi Mode - Actuator Power  
 High Channel**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2480.00	98.59	V	113.97	-15.38	Peak	102.75	159.68	X-Axis
2480.00	78.59	V	93.97	-15.38	Avg	102.75	159.68	Vertical Polarization
2480.00	102.26	V	113.97	-11.71	Peak	209.50	174.61	Y-Axis
2480.00	82.26	V	93.97	-11.71	Avg	209.50	174.61	Vertical Polarization
2480.00	100.15	V	113.97	-13.82	Peak	202.50	200.26	Z-Axis
2480.00	80.15	V	93.97	-13.82	Avg	202.50	200.26	Vertical Polarization
2480.00	105.01	H	113.97	-8.96	Peak	205.50	228.94	X-Axis
2480.00	85.01	H	93.97	-8.96	Avg	205.50	228.94	Horizontal Polarization
2480.00	98.69	H	113.97	-15.28	Peak	215.50	212.25	Y-Axis
2480.00	78.69	H	93.97	-15.28	Avg	215.50	212.25	Horizontal Polarization
2480.00	103.89	H	113.97	-10.08	Peak	235.50	198.64	Z-Axis
2480.00	83.89	H	93.97	-10.08	Avg	235.50	198.64	Horizontal Polarization

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	54.21	V	73.97	-19.76	Peak	62.50	222.79	
4804.00	34.21	V	53.97	-19.76	Avg	62.50	222.79	
7206.00	50.61	V	73.97	-23.36	Peak	206.25	206.97	
7206.00	30.61	V	53.97	-23.36	Avg	206.25	206.97	
9608.00	52.87	V	73.97	-21.10	Peak	1.75	249.99	
9608.00	32.87	V	53.97	-21.10	Avg	1.75	249.99	
12010.00	47.92	V	73.97	-26.05	Peak	317.75	238.91	
12010.00	27.92	V	53.97	-26.05	Avg	317.75	238.91	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	53.85	V	73.97	-20.12	Peak	0.00	111.50	
4804.00	33.85	V	53.97	-20.12	Avg	0.00	111.50	
7206.00	54.47	V	73.97	-19.50	Peak	358.00	191.08	
7206.00	34.47	V	53.97	-19.50	Avg	358.00	191.08	
9608.00	52.57	V	73.97	-21.40	Peak	237.75	159.20	
9608.00	32.57	V	53.97	-21.40	Avg	237.75	159.20	
12010.00	54.54	V	73.97	-19.43	Peak	218.25	249.97	
12010.00	34.54	V	53.97	-19.43	Avg	218.25	249.97	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	58.52	V	73.97	-15.45	Peak	0.00	175.20	
4804.00	38.52	V	53.97	-15.45	Avg	0.00	175.20	
7206.00	50.64	V	73.97	-23.33	Peak	4.75	207.02	
7206.00	30.64	V	53.97	-23.33	Avg	4.75	207.02	
9608.00	57.51	V	73.97	-16.46	Peak	358.75	111.44	
9608.00	37.51	V	53.97	-16.46	Avg	358.75	111.44	
12010.00	52.15	V	73.97	-21.82	Peak	151.50	174.97	
12010.00	32.15	V	53.97	-21.82	Avg	151.50	174.97	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	54.56	H	73.97	-19.41	Peak	191.50	159.02	
4804.00	34.56	H	53.97	-19.41	Avg	191.50	159.02	
7206.00	57.10	H	73.97	-16.87	Peak	110.00	222.67	
7206.00	37.10	H	53.97	-16.87	Avg	110.00	222.67	
9608.00	58.02	H	73.97	-15.95	Peak	119.50	159.26	
9608.00	38.02	H	53.97	-15.95	Avg	119.50	159.26	
12010.00	55.15	H	73.97	-18.82	Peak	64.50	127.08	
12010.00	35.15	H	53.97	-18.82	Avg	64.50	127.08	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	59.41	H	73.97	-14.56	Peak	353.75	159.08	
4804.00	39.41	H	53.97	-14.56	Avg	353.75	159.08	
7206.00	54.35	H	73.97	-19.62	Peak	5.25	111.44	
7206.00	34.35	H	53.97	-19.62	Avg	5.25	111.44	
9608.00	59.36	H	73.97	-14.61	Peak	0.00	111.56	
9608.00	39.36	H	53.97	-14.61	Avg	0.00	111.56	
12010.00	51.55	H	73.97	-22.42	Peak	56.25	238.91	
12010.00	31.55	H	53.97	-22.42	Avg	56.25	238.91	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	55.54	H	73.97	-18.43	Peak	317.00	127.26	
4804.00	35.54	H	53.97	-18.43	Avg	317.00	127.26	
7206.00	54.71	H	73.97	-19.26	Peak	186.00	127.14	
7206.00	34.71	H	53.97	-19.26	Avg	186.00	127.14	
9608.00	59.34	H	73.97	-14.63	Peak	12.00	111.20	
9608.00	39.34	H	53.97	-14.63	Avg	12.00	111.20	
12010.00	50.97	H	73.97	-23.00	Peak	54.00	190.97	
12010.00	30.97	H	53.97	-23.00	Avg	54.00	190.97	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	41.21	V	73.97	-32.76	Peak	61.25	159.14	
4884.00	21.21	V	53.97	-32.76	Avg	61.25	159.14	
7326.00	44.34	V	73.97	-29.63	Peak	215.50	238.97	
7326.00	24.34	V	53.97	-29.63	Avg	215.50	238.97	
9768.00	45.88	V	73.97	-28.09	Peak	64.50	159.14	
9768.00	25.88	V	53.97	-28.09	Avg	64.50	159.14	
12210.00	49.25	V	73.97	-24.72	Peak	162.00	191.02	
12210.00	29.25	V	53.97	-24.72	Avg	162.00	191.02	
14652.00								<b>No Emission Detected</b>
17094.00								<b>No Emission Detected</b>
19536.00								<b>No Emission Detected</b>
21978.00								<b>No Emission Detected</b>
24420.00								<b>No Emission Detected</b>



**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	41.74	V	73.97	-32.23	Peak	315.50	249.97	
4884.00	21.74	V	53.97	-32.23	Avg	315.50	249.97	
7326.00	43.86	V	73.97	-30.11	Peak	228.25	175.02	
7326.00	23.86	V	53.97	-30.11	Avg	228.25	175.02	
9768.00	45.79	V	73.97	-28.18	Peak	77.25	159.14	
9768.00	25.79	V	53.97	-28.18	Avg	77.25	159.14	
12210.00	48.91	V	73.97	-25.06	Peak	157.00	249.97	
12210.00	28.91	V	53.97	-25.06	Avg	157.00	249.97	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	52.75	V	73.97	-21.22	Peak	325.50	126.97	
4884.00	32.75	V	53.97	-21.22	Avg	325.50	126.97	
7326.00	50.57	V	73.97	-23.40	Peak	184.25	111.44	
7326.00	30.57	V	53.97	-23.40	Avg	184.25	111.44	
9768.00	52.80	V	73.97	-21.17	Peak	6.00	111.50	
9768.00	32.80	V	53.97	-21.17	Avg	6.00	111.50	
12210.00	51.85	V	73.97	-22.12	Peak	146.25	127.20	
12210.00	31.85	V	53.97	-22.12	Avg	146.25	127.20	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	41.58	H	73.97	-32.39	Peak	280.75	111.32	
4884.00	21.58	H	53.97	-32.39	Avg	280.75	111.32	
7326.00	44.40	H	73.97	-29.57	Peak	22.00	223.02	
7326.00	24.40	H	53.97	-29.57	Avg	22.00	223.02	
9768.00	45.56	H	73.97	-28.41	Peak	254.50	127.26	
9768.00	25.56	H	53.97	-28.41	Avg	254.50	127.26	
12210.00	49.36	H	73.97	-24.61	Peak	107.25	190.97	
12210.00	29.36	H	53.97	-24.61	Avg	107.25	190.97	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	41.39	H	73.97	-32.58	Peak	88.50	222.79	
4884.00	21.39	H	53.97	-32.58	Avg	88.50	222.79	
7326.00	44.17	H	73.97	-29.80	Peak	56.75	207.02	
7326.00	24.17	H	53.97	-29.80	Avg	56.75	207.02	
9768.00	46.79	H	73.97	-27.18	Peak	154.50	222.25	
9768.00	26.79	H	53.97	-27.18	Avg	154.50	222.25	
12210.00	49.13	H	73.97	-24.84	Peak	268.25	159.14	
12210.00	29.13	H	53.97	-24.84	Avg	268.25	159.14	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	42.38	H	73.97	-31.59	Peak	66.00	207.02	
4884.00	22.38	H	53.97	-31.59	Avg	66.00	207.02	
7326.00	44.12	H	73.97	-29.85	Peak	204.00	249.95	
7326.00	24.12	H	53.97	-29.85	Avg	204.00	249.95	
9768.00	46.79	H	73.97	-27.18	Peak	164.00	207.02	
9768.00	26.79	H	53.97	-27.18	Avg	164.00	207.02	
12210.00	48.66	H	73.97	-25.31	Peak	357.50	249.99	
12210.00	28.66	H	53.97	-25.31	Avg	357.50	249.99	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	44.69	V	73.97	-29.28	Peak	353.50	159.02	
4960.00	24.69	V	53.97	-29.28	Avg	353.50	159.02	
7440.00	44.73	V	73.97	-29.24	Peak	3.25	190.73	
7440.00	24.73	V	53.97	-29.24	Avg	3.25	190.73	
9920.00	44.53	V	73.97	-29.44	Peak	192.50	190.85	
9920.00	24.53	V	53.97	-29.44	Avg	192.50	190.85	
12400.00	49.21	V	73.97	-24.76	Peak	218.75	127.14	
12400.00	29.21	V	53.97	-24.76	Avg	218.75	127.14	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	46.68	V	73.97	-27.29	Peak	40.25	111.32	
4960.00	26.68	V	53.97	-27.29	Avg	40.25	111.32	
7440.00	45.62	V	73.97	-28.35	Peak	321.50	127.32	
7440.00	25.62	V	53.97	-28.35	Avg	321.50	127.32	
9920.00	46.98	V	73.97	-26.99	Peak	223.75	127.14	
9920.00	26.98	V	53.97	-26.99	Avg	223.75	127.14	
12400.00	48.35	V	73.97	-25.62	Peak	67.00	239.02	
12400.00	28.35	V	53.97	-25.62	Avg	67.00	239.02	
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 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	41.81	V	73.97	-32.16	Peak	235.25	249.97	
4960.00	21.81	V	53.97	-32.16	Avg	235.25	249.97	
7440.00	44.31	V	73.97	-29.66	Peak	25.00	111.38	
7440.00	24.31	V	53.97	-29.66	Avg	25.00	111.38	
9920.00	44.61	V	73.97	-29.36	Peak	202.75	127.14	
9920.00	24.61	V	53.97	-29.36	Avg	202.75	127.14	
12400.00	48.64	V	73.97	-25.33	Peak	286.25	127.08	
12400.00	28.64	V	53.97	-25.33	Avg	286.25	127.08	
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 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	46.47	H	73.97	-27.50	Peak	99.00	143.44	
4960.00	26.47	H	53.97	-27.50	Avg	99.00	143.44	
7440.00	46.59	H	73.97	-27.38	Peak	344.00	127.32	
7440.00	26.59	H	53.97	-27.38	Avg	344.00	127.32	
9920.00	45.16	H	73.97	-28.81	Peak	98.75	249.99	
9920.00	25.16	H	53.97	-28.81	Avg	98.75	249.99	
12400.00	48.66	H	73.97	-25.31	Peak	214.25	159.14	
12400.00	28.66	H	53.97	-25.31	Avg	214.25	159.14	
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

**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	41.52	H	73.97	-32.45	Peak	228.00	174.91	
4960.00	21.52	H	53.97	-32.45	Avg	228.00	174.91	
7440.00	44.35	H	73.97	-29.62	Peak	184.25	174.91	
7440.00	24.35	H	53.97	-29.62	Avg	184.25	174.91	
9920.00	44.90	H	73.97	-29.07	Peak	288.75	127.26	
9920.00	24.90	H	53.97	-29.07	Avg	288.75	127.26	
12400.00	48.84	H	73.97	-25.13	Peak	48.50	222.73	
12400.00	28.84	H	53.97	-25.13	Avg	48.50	222.73	
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 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**WiFi Mode - Actuator Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	41.70	H	73.97	-32.27	Peak	90.50	206.97	
4960.00	21.70	H	53.97	-32.27	Avg	90.50	206.97	
7440.00	44.60	H	73.97	-29.37	Peak	312.75	207.08	
7440.00	24.60	H	53.97	-29.37	Avg	312.75	207.08	
9920.00	45.01	H	73.97	-28.96	Peak	168.75	249.13	
9920.00	25.01	H	53.97	-28.96	Avg	168.75	249.13	
12400.00	48.59	H	73.97	-25.38	Peak	184.50	238.67	
12400.00	28.59	H	53.97	-25.38	Avg	184.50	238.67	
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 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Date: 09/13/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**WiFi Mode - Actuator Power**

**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**

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 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 digital portion
								of 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

**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Fundamental - WiFi Mode - DC Power  
 Low Channel**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2402.00	99.42	V	113.97	-14.55	Peak	105.25	200.26	X-Axis
2402.00	79.42	V	93.97	-14.55	Avg	105.25	200.26	Vertical Polarization
2402.00	104.26	V	113.97	-9.71	Peak	191.50	182.58	Y-Axis
2402.00	84.26	V	93.97	-9.71	Avg	191.50	182.58	Vertical Polarization
2402.00	102.62	V	113.97	-11.35	Peak	153.00	174.26	Z-Axis
2402.00	82.62	V	93.97	-11.35	Avg	153.00	174.26	Vertical Polarization
2402.00	104.09	H	113.97	-9.88	Peak	221.00	195.48	X-Axis
2402.00	84.09	H	93.97	-9.88	Avg	221.00	195.48	Horizontal Polarization
2402.00	102.69	H	113.97	-11.28	Peak	202.00	178.58	Y-Axis
2402.00	82.69	H	93.97	-11.28	Avg	202.00	178.58	Horizontal Polarization
2402.00	105.14	H	113.97	-8.83	Peak	196.00	175.24	Z-Axis
2402.00	85.14	H	93.97	-8.83	Avg	196.00	175.24	Horizontal Polarization

**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/19/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Fundamental - WiFi Mode - DC Power  
 Middle Channel**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2442.00	97.56	V	113.97	-16.41	Peak	216.00	185.26	X-Axis
2442.00	77.56	V	93.97	-16.41	Avg	216.00	185.26	Vertical Polarization
2442.00	103.05	V	113.97	-10.92	Peak	219.00	175.25	Y-Axis
2442.00	83.05	V	93.97	-10.92	Avg	219.00	175.25	Vertical Polarization
2442.00	102.69	V	113.97	-11.28	Peak	229.00	168.24	Z-Axis
2442.00	82.69	V	93.97	-11.28	Avg	229.00	168.24	Vertical Polarization
2442.00	105.49	H	113.97	-8.48	Peak	302.25	186.58	X-Axis
2442.00	85.49	H	93.97	-8.48	Avg	302.25	186.58	Horizontal Polarization
2442.00	103.48	H	113.97	-10.49	Peak	226.25	188.53	Y-Axis
2442.00	83.48	H	93.97	-10.49	Avg	226.25	188.53	Horizontal Polarization
2442.00	105.03	H	113.97	-8.94	Peak	268.25	191.25	Z-Axis
2442.00	85.03	H	93.97	-8.94	Avg	268.25	191.25	Horizontal Polarization

**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/19/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Fundamental - WiFi Mode - DC Power  
 High Channel**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2480.00	98.26	V	113.97	-15.71	Peak	102.25	155.58	X-Axis
2480.00	78.26	V	93.97	-15.71	Avg	102.25	155.58	Vertical Polarization
2480.00	102.37	V	113.97	-11.60	Peak	197.50	173.11	Y-Axis
2480.00	82.37	V	93.97	-11.60	Avg	197.50	173.11	Vertical Polarization
2480.00	101.63	V	113.97	-12.34	Peak	103.50	190.68	Z-Axis
2480.00	81.63	V	93.97	-12.34	Avg	103.50	190.68	Vertical Polarization
2480.00	104.24	H	113.97	-9.73	Peak	204.75	182.24	X-Axis
2480.00	84.24	H	93.97	-9.73	Avg	204.75	182.24	Horizontal Polarization
2480.00	98.69	H	113.97	-15.28	Peak	326.50	200.58	Y-Axis
2480.00	78.69	H	93.97	-15.28	Avg	326.50	200.58	Horizontal Polarization
2480.00	104.91	H	113.97	-9.06	Peak	313.50	203.57	Z-Axis
2480.00	84.91	H	93.97	-9.06	Avg	313.50	203.57	Horizontal Polarization

**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	52.86	V	73.97	-21.11	Peak	162.25	190.91	
4804.00	32.86	V	53.97	-21.11	Avg	162.25	190.91	
7206.00	50.30	V	73.97	-23.67	Peak	326.00	158.91	
7206.00	30.30	V	53.97	-23.67	Avg	326.00	158.91	
9608.00	46.90	V	73.97	-27.07	Peak	115.50	127.02	
9608.00	26.90	V	53.97	-27.07	Avg	115.50	127.02	
12010.00	52.62	V	73.97	-21.35	Peak	236.75	249.95	
12010.00	32.62	V	53.97	-21.35	Avg	236.75	249.95	
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



**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	51.34	V	73.97	-22.63	Peak	22.50	111.38	
4804.00	31.34	V	53.97	-22.63	Avg	22.50	111.38	
7206.00	55.42	V	73.97	-18.55	Peak	315.75	111.26	
7206.00	35.42	V	53.97	-18.55	Avg	315.75	111.26	
9608.00	55.50	V	73.97	-18.47	Peak	305.50	206.73	
9608.00	35.50	V	53.97	-18.47	Avg	305.50	206.73	
12010.00	56.89	V	73.97	-17.08	Peak	226.25	249.99	
12010.00	36.89	V	53.97	-17.08	Avg	226.25	249.99	
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

**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	59.85	V	73.97	-14.12	Peak	345.00	175.02	
4804.00	39.85	V	53.97	-14.12	Avg	345.00	175.02	
7206.00	53.07	V	73.97	-20.90	Peak	255.25	206.79	
7206.00	33.07	V	53.97	-20.90	Avg	255.25	206.79	
9608.00	54.94	V	73.97	-19.03	Peak	7.00	127.20	
9608.00	34.94	V	53.97	-19.03	Avg	7.00	127.20	
12010.00	55.48	V	73.97	-18.49	Peak	265.50	174.79	
12010.00	35.48	V	53.97	-18.49	Avg	265.50	174.79	
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

**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	55.29	H	73.97	-18.68	Peak	248.00	143.20	
4804.00	35.29	H	53.97	-18.68	Avg	248.00	143.20	
7206.00	57.01	H	73.97	-16.96	Peak	192.25	175.08	
7206.00	37.01	H	53.97	-16.96	Avg	192.25	175.08	
9608.00	58.44	H	73.97	-15.53	Peak	101.75	111.44	
9608.00	38.44	H	53.97	-15.53	Avg	101.75	111.44	
12010.00	56.27	H	73.97	-17.70	Peak	214.75	111.26	
12010.00	36.27	H	53.97	-17.70	Avg	214.75	111.26	
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

**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	55.54	H	73.97	-18.43	Peak	281.00	143.08	
4804.00	35.54	H	53.97	-18.43	Avg	281.00	143.08	
7206.00	52.48	H	73.97	-21.49	Peak	46.50	109.89	
7206.00	32.48	H	53.97	-21.49	Avg	46.50	109.89	
9608.00	55.95	H	73.97	-18.02	Peak	344.50	111.20	
9608.00	35.95	H	53.97	-18.02	Avg	344.50	111.20	
12010.00	50.76	H	73.97	-23.21	Peak	58.00	190.91	
12010.00	30.76	H	53.97	-23.21	Avg	58.00	190.91	
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

**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Low Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4804.00	53.31	H	73.97	-20.66	Peak	314.00	111.44	
4804.00	33.31	H	53.97	-20.66	Avg	314.00	111.44	
7206.00	53.60	H	73.97	-20.37	Peak	200.00	190.67	
7206.00	33.60	H	53.97	-20.37	Avg	200.00	190.67	
9608.00	58.81	H	73.97	-15.16	Peak	4.50	111.44	
9608.00	38.81	H	53.97	-15.16	Avg	4.50	111.44	
12010.00	53.92	H	73.97	-20.05	Peak	130.00	249.97	
12010.00	33.92	H	53.97	-20.05	Avg	130.00	249.97	
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

**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	50.68	V	73.97	-23.29	Peak	49.50	159.14	
4884.00	30.68	V	53.97	-23.29	Avg	49.50	159.14	
7326.00	50.18	V	73.97	-23.79	Peak	82.75	159.14	
7326.00	30.18	V	53.97	-23.79	Avg	82.75	159.14	
9768.00	53.24	V	73.97	-20.73	Peak	358.00	127.02	
9768.00	33.24	V	53.97	-20.73	Avg	358.00	127.02	
12210.00	52.77	V	73.97	-21.20	Peak	51.00	127.26	
12210.00	32.77	V	53.97	-21.20	Avg	51.00	127.26	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	50.16	V	73.97	-23.81	Peak	350.25	143.20	
4884.00	30.16	V	53.97	-23.81	Avg	350.25	143.20	
7326.00	50.62	V	73.97	-23.35	Peak	9.50	111.38	
7326.00	30.62	V	53.97	-23.35	Avg	9.50	111.38	
9768.00	52.12	V	73.97	-21.85	Peak	314.00	249.99	
9768.00	32.12	V	53.97	-21.85	Avg	314.00	249.99	
12210.00	52.64	V	73.97	-21.33	Peak	238.50	222.79	
12210.00	32.64	V	53.97	-21.33	Avg	238.50	222.79	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	53.13	V	73.97	-20.84	Peak	0.75	190.85	
4884.00	33.13	V	53.97	-20.84	Avg	0.75	190.85	
7326.00	49.80	V	73.97	-24.17	Peak	272.25	238.67	
7326.00	29.80	V	53.97	-24.17	Avg	272.25	238.67	
9768.00	49.47	V	73.97	-24.50	Peak	6.00	249.99	
9768.00	29.47	V	53.97	-24.50	Avg	6.00	249.99	
12210.00	50.56	V	73.97	-23.41	Peak	268.50	126.43	
12210.00	30.56	V	53.97	-23.41	Avg	268.50	126.43	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected



**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	51.24	H	73.97	-22.73	Peak	101.25	111.44	
4884.00	31.24	H	53.97	-22.73	Avg	101.25	111.44	
7326.00	54.08	H	73.97	-19.89	Peak	191.50	143.32	
7326.00	34.08	H	53.97	-19.89	Avg	191.50	143.32	
9768.00	53.72	H	73.97	-20.25	Peak	112.75	127.08	
9768.00	33.72	H	53.97	-20.25	Avg	112.75	127.08	
12210.00	53.15	H	73.97	-20.82	Peak	239.75	127.26	
12210.00	33.15	H	53.97	-20.82	Avg	239.75	127.26	
14652.00								<b>No Emission Detected</b>
17094.00								<b>No Emission Detected</b>
19536.00								<b>No Emission Detected</b>
21978.00								<b>No Emission Detected</b>
24420.00								<b>No Emission Detected</b>

**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	52.00	H	73.97	-21.97	Peak	50.25	127.20	
4884.00	32.00	H	53.97	-21.97	Avg	50.25	127.20	
7326.00	46.79	H	73.97	-27.18	Peak	223.50	238.85	
7326.00	26.79	H	53.97	-27.18	Avg	223.50	238.85	
9768.00	48.99	H	73.97	-24.98	Peak	308.50	127.20	
9768.00	28.99	H	53.97	-24.98	Avg	308.50	127.20	
12210.00	49.06	H	73.97	-24.91	Peak	66.75	111.38	
12210.00	29.06	H	53.97	-24.91	Avg	66.75	111.38	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - Middle Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4884.00	51.24	H	73.97	-22.73	Peak	314.75	111.32	
4884.00	31.24	H	53.97	-22.73	Avg	314.75	111.32	
7326.00	50.53	H	73.97	-23.44	Peak	187.00	127.08	
7326.00	30.53	H	53.97	-23.44	Avg	187.00	127.08	
9768.00	50.00	H	73.97	-23.97	Peak	0.00	159.02	
9768.00	30.00	H	53.97	-23.97	Avg	0.00	159.02	
12210.00	52.73	H	73.97	-21.24	Peak	152.00	127.20	
12210.00	32.73	H	53.97	-21.24	Avg	152.00	127.20	
14652.00								No Emission Detected
17094.00								No Emission Detected
19536.00								No Emission Detected
21978.00								No Emission Detected
24420.00								No Emission Detected

**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	42.55	V	73.97	-31.42	Peak	269.00	207.02	
4960.00	22.55	V	53.97	-31.42	Avg	269.00	207.02	
7440.00	44.28	V	73.97	-29.69	Peak	242.50	191.14	
7440.00	24.28	V	53.97	-29.69	Avg	242.50	191.14	
9920.00	44.49	V	73.97	-29.48	Peak	10.75	159.14	
9920.00	24.49	V	53.97	-29.48	Avg	10.75	159.14	
12400.00	48.35	V	73.97	-25.62	Peak	282.75	175.14	
12400.00	28.35	V	53.97	-25.62	Avg	282.75	175.14	
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

**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	41.66	V	73.97	-32.31	Peak	261.25	190.91	
4960.00	21.66	V	53.97	-32.31	Avg	261.25	190.91	
7440.00	44.93	V	73.97	-29.04	Peak	239.75	159.02	
7440.00	24.93	V	53.97	-29.04	Avg	239.75	159.02	
9920.00	44.08	V	73.97	-29.89	Peak	104.00	249.97	
9920.00	24.08	V	53.97	-29.89	Avg	104.00	249.97	
12400.00	48.55	V	73.97	-25.42	Peak	165.25	249.89	
12400.00	28.55	V	53.97	-25.42	Avg	165.25	249.89	
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 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	42.22	V	73.97	-31.75	Peak	300.50	127.32	
4960.00	22.22	V	53.97	-31.75	Avg	300.50	127.32	
7440.00	45.27	V	73.97	-28.70	Peak	75.25	191.08	
7440.00	25.27	V	53.97	-28.70	Avg	75.25	191.08	
9920.00	45.02	V	73.97	-28.95	Peak	357.75	222.97	
9920.00	25.02	V	53.97	-28.95	Avg	357.75	222.97	
12400.00	48.59	V	73.97	-25.38	Peak	99.00	223.08	
12400.00	28.59	V	53.97	-25.38	Avg	99.00	223.08	
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 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/17/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	44.83	H	73.97	-29.14	Peak	291.50	111.38	
4960.00	24.83	H	53.97	-29.14	Avg	291.50	111.38	
7440.00	44.42	H	73.97	-29.55	Peak	60.25	175.02	
7440.00	24.42	H	53.97	-29.55	Avg	60.25	175.02	
9920.00	44.92	H	73.97	-29.05	Peak	359.75	191.08	
9920.00	24.92	H	53.97	-29.05	Avg	359.75	191.08	
12400.00	48.53	H	73.97	-25.44	Peak	104.00	127.14	
12400.00	28.53	H	53.97	-25.44	Avg	104.00	127.14	
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

**FCC 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	42.11	H	73.97	-31.86	Peak	84.50	159.14	
4960.00	22.11	H	53.97	-31.86	Avg	84.50	159.14	
7440.00	44.03	H	73.97	-29.94	Peak	184.00	207.02	
7440.00	24.03	H	53.97	-29.94	Avg	184.00	207.02	
9920.00	44.14	H	73.97	-29.83	Peak	44.75	190.91	
9920.00	24.14	H	53.97	-29.83	Avg	44.75	190.91	
12400.00	48.52	H	73.97	-25.45	Peak	87.00	249.91	
12400.00	28.52	H	53.97	-25.45	Avg	87.00	249.91	
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 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

Date: 09/14/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Harmonics - High Channel**  
**WiFi Mode - DC Power**  
**Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	42.45	H	73.97	-31.52	Peak	115.00	175.08	
4960.00	22.45	H	53.97	-31.52	Avg	115.00	175.08	
7440.00	43.94	H	73.97	-30.03	Peak	56.75	126.91	
7440.00	23.94	H	53.97	-30.03	Avg	56.75	126.91	
9920.00	44.71	H	73.97	-29.26	Peak	301.00	174.67	
9920.00	24.71	H	53.97	-29.26	Avg	301.00	174.67	
12400.00	48.93	H	73.97	-25.04	Peak	172.25	249.99	
12400.00	28.93	H	53.97	-25.04	Avg	172.25	249.99	
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 15.249**

DynaQuip Controls Corporation  
 SmartConnect  
 Model: WCSCLV

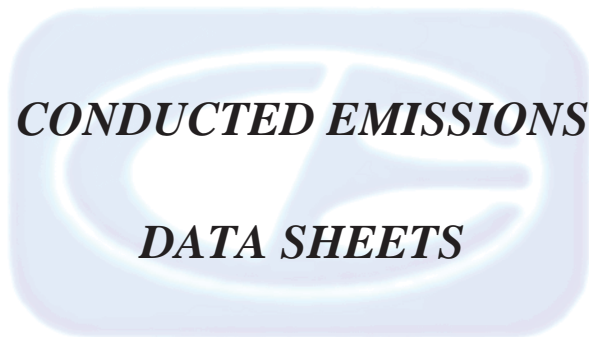
Date: 09/13/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**WiFi Mode - DC Power**

**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**

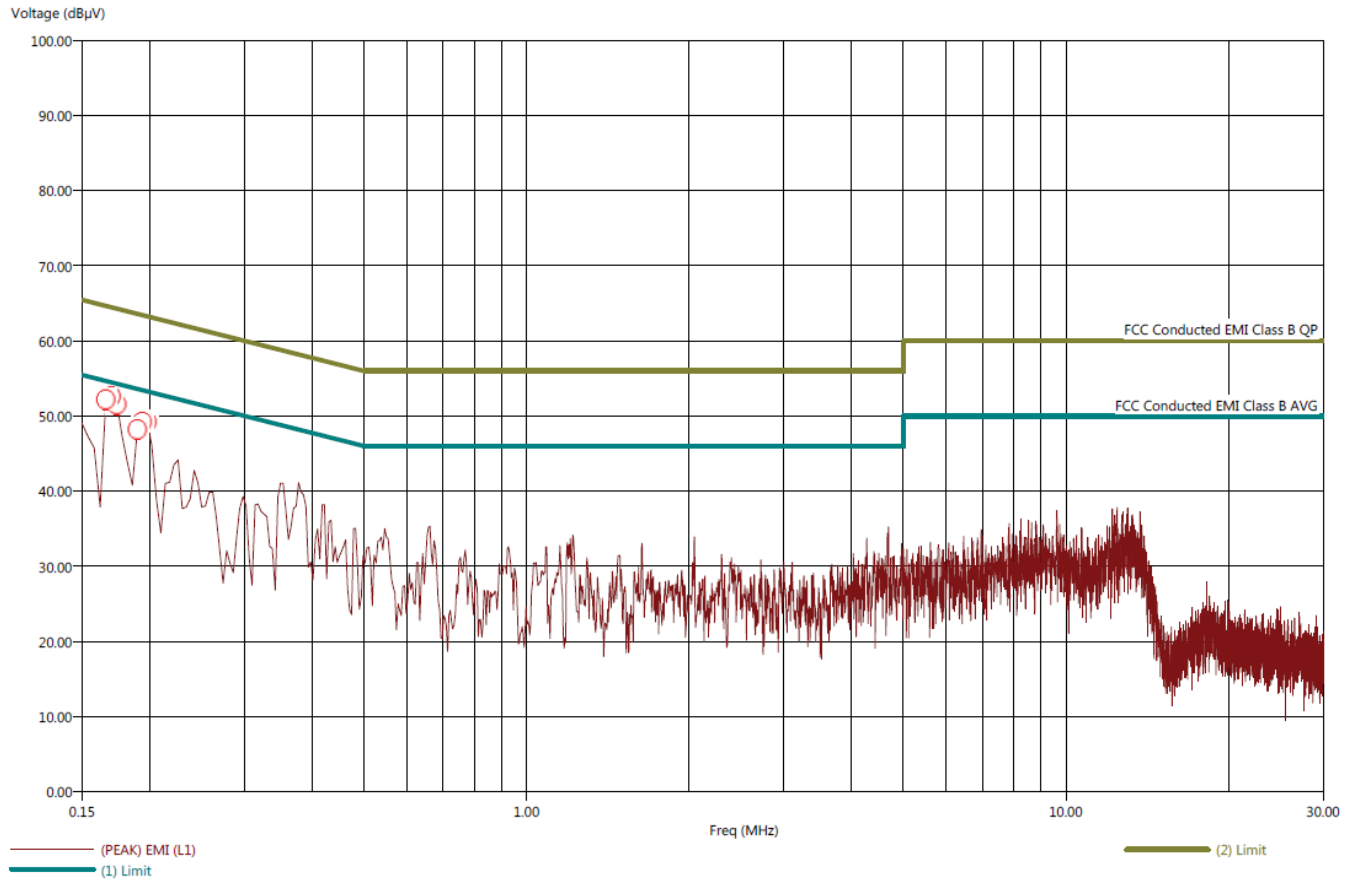
Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
								No Emissions Detected from 9 kHz to 30 MHz for the digital portion of the EUT
								No Emissions Detected from 9 kHz to 30 MHz for the Non-Harmonic Emissions of the Transmitter for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



Title: FCC Class B - Black Lead  
 File: Keysight - CE - Pre-Scan - Black Lead - Actuator Power - Ethernet - FCC Class B.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and pinging router  
 Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: Ethernet Mode - Actuator powered

9/18/2018 3:45:56 PM  
 Sequence: Preliminary Scan

Black Lead



Title: FCC Class B - Black Lead  
 File: Keysight - CE - Final Scan - Black Lead - Actuator Power - Ethernet - FCC Class B.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and pinging router  
 Comments: Company: DynaQuip Controls, Inc.  
 Model: TBD  
 S/N: WCSCLV  
 Note: Ethernet Mode - Actuator powered

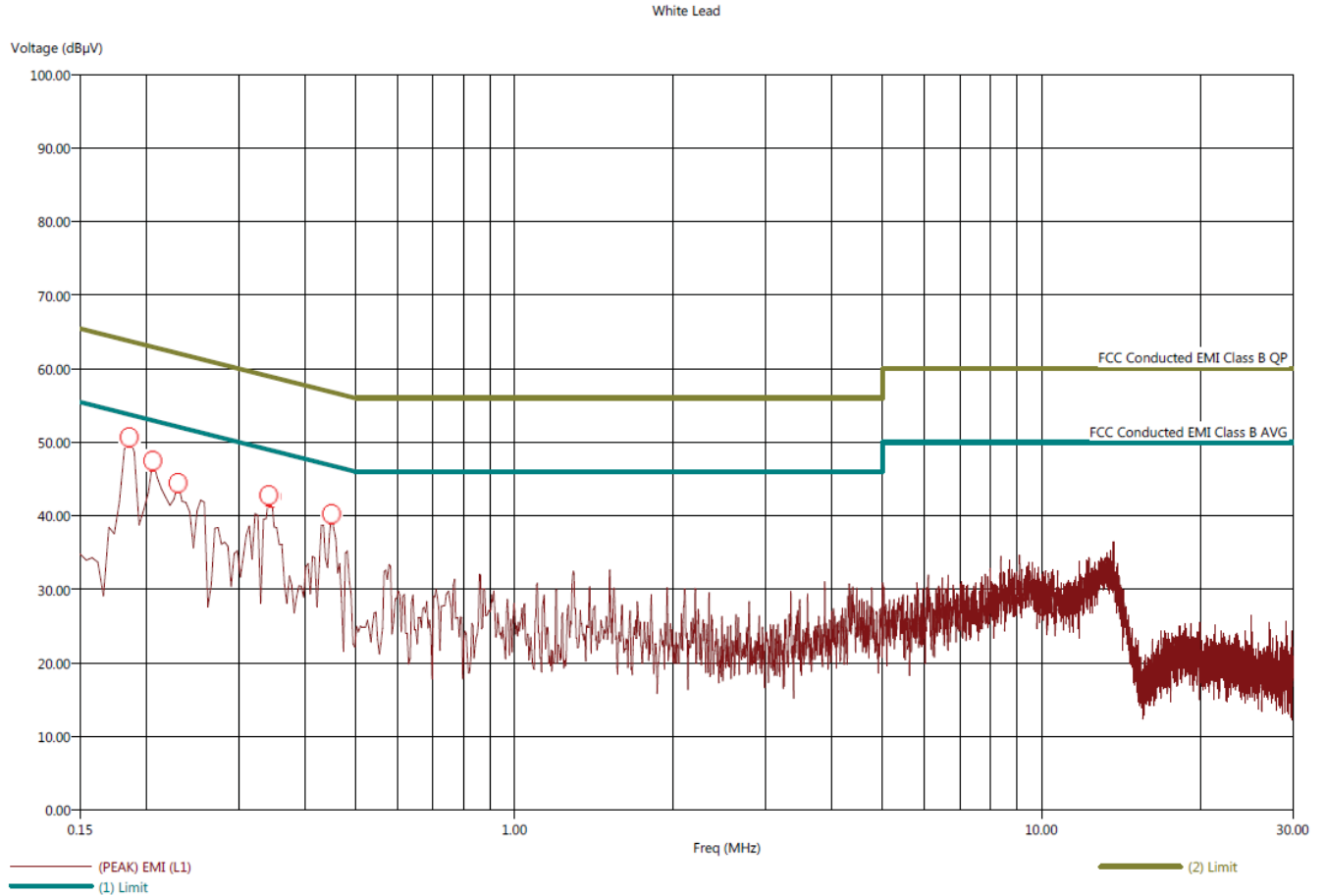
9/18/2018 3:46:58 PM  
 Sequence: Final Measurements

Black Lead										
Freq (MHz)	(PEAK) EMI (dBμV)	(AVG) EMI (dBμV)	(PEAK) Margin (dB)	(AVG) Margin (dB)	(AVG) Limit (dBμV)	Cable (dB)	Transducer (dB)	Filter (dB)		
0.166	53.83	40.00	-0.64	-14.47	54.47	0.00	0.36	9.80		
0.170	54.54	40.57	-0.05	-14.02	54.59	0.00	0.37	9.80		
0.174	54.12	40.89	-0.56	-13.79	54.69	0.00	0.37	9.80		
0.190	51.87	39.14	-2.09	-14.82	53.96	0.00	0.33	9.80		
0.194	51.56	37.28	-2.13	-16.41	53.69	0.00	0.32	9.80		
0.198	50.86	36.09	-2.69	-17.46	53.55	0.00	0.31	9.80		



Title: FCC Class B - White Lead  
 File: Keysight - CE - Pre-Scan - White Lead - Actuator Power - Ethernet - FCC Class B.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and pinging router  
 Comments: Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: Ethernet Mode - Actuator powered

9/18/2018 3:43:06 PM  
 Sequence: Preliminary Scan



Title: FCC Class B - White Lead  
 File: Keysight - CE - Final Scan - White Lead - Actuator Power - Ethernet - FCC Class B.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and pinging router  
 Comments: Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: Ethernet Mode - Actuator powered

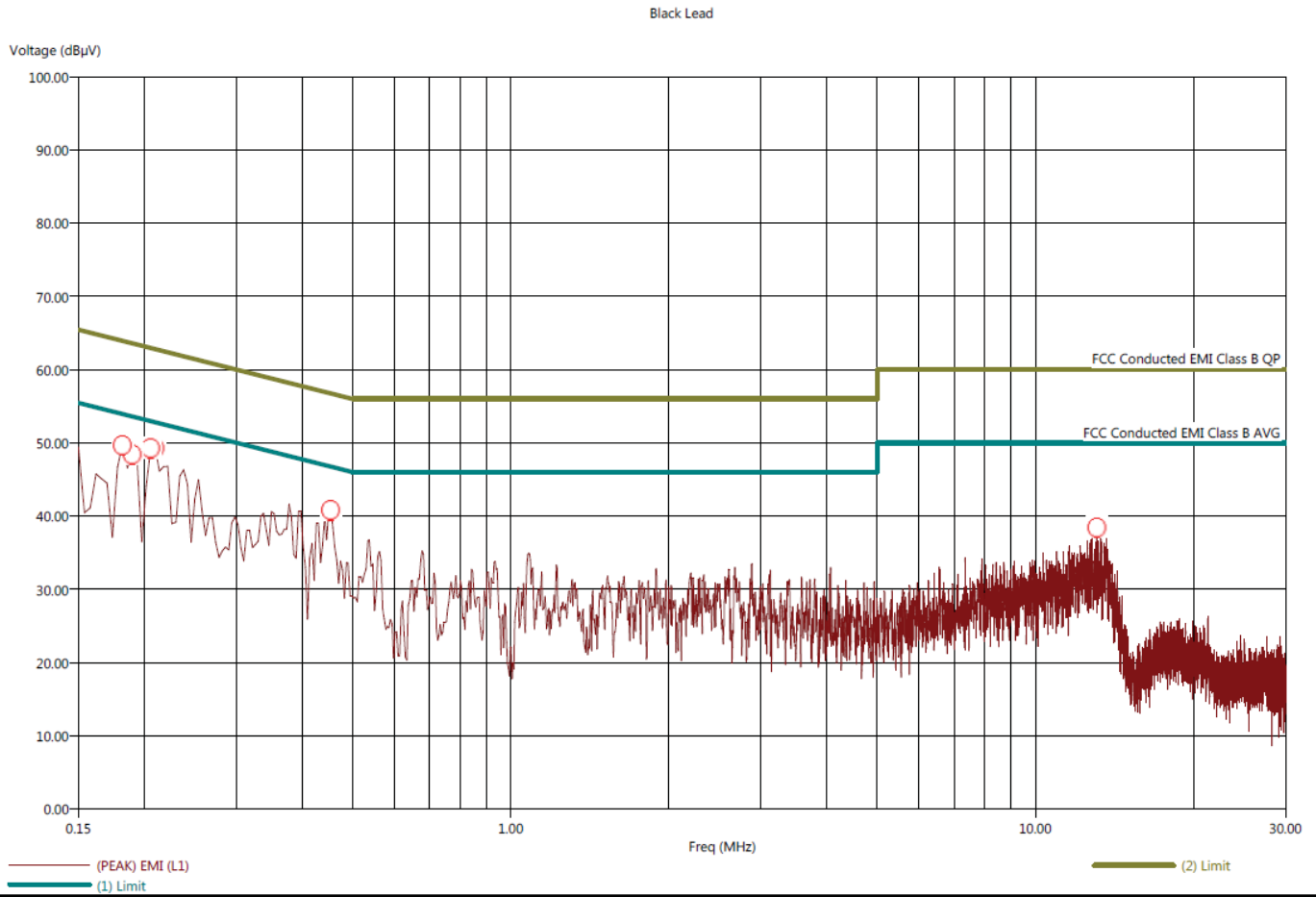
9/18/2018 3:44:35 PM  
 Sequence: Final Measurements

White Lead										
Freq (MHz)	(PEAK) EMI (dBµV)	(AVG) EMI (dBµV)	(PEAK) Marqin (dB)	(AVG) Marqin (AVG) (dB)	(AVG) Limit (dBµV)	Cable (dB)	Transducer (dB)	Filter (dB)		
0.186	52.56	37.95	-1.52	-16.13	54.08	0.00	0.32	9.80		
0.206	48.02	33.39	-4.72	-19.35	52.74	0.01	0.24	9.80		
0.230	45.99	32.78	-6.25	-19.46	52.24	0.01	0.21	9.80		
0.342	43.02	28.28	-5.78	-20.52	48.80	0.06	0.01	9.80		
0.346	42.61	26.87	-6.32	-22.06	48.93	0.06	0.02	9.80		
0.450	42.81	28.39	-3.98	-18.40	46.79	0.09	0.01	9.80		



Title: FCC Class B - Black Lead  
 File: Keysight - CE - Pre-Scan - Black Lead - Actuator Power - WiFi - FCC Class B.set  
 Operator: Kyle Fujimoto  
 EUT Type: WaterCop SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and WiFi  
 Comments: Company: DynaQuip Controls, Inc.  
 Model: TBD  
 S/N: N/A  
 Note: WiFi Mode - Actuator powered

9/18/2018 3:34:33 PM  
 Sequence: Preliminary Scan





Title: FCC Class B - Black Lead  
 File: Keysight - CE - Final Scan - Black Lead - Actuator Power - WiFi - FCC Class B.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and WiFi  
 Comments: Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: WiFi Mode - Actuator powered

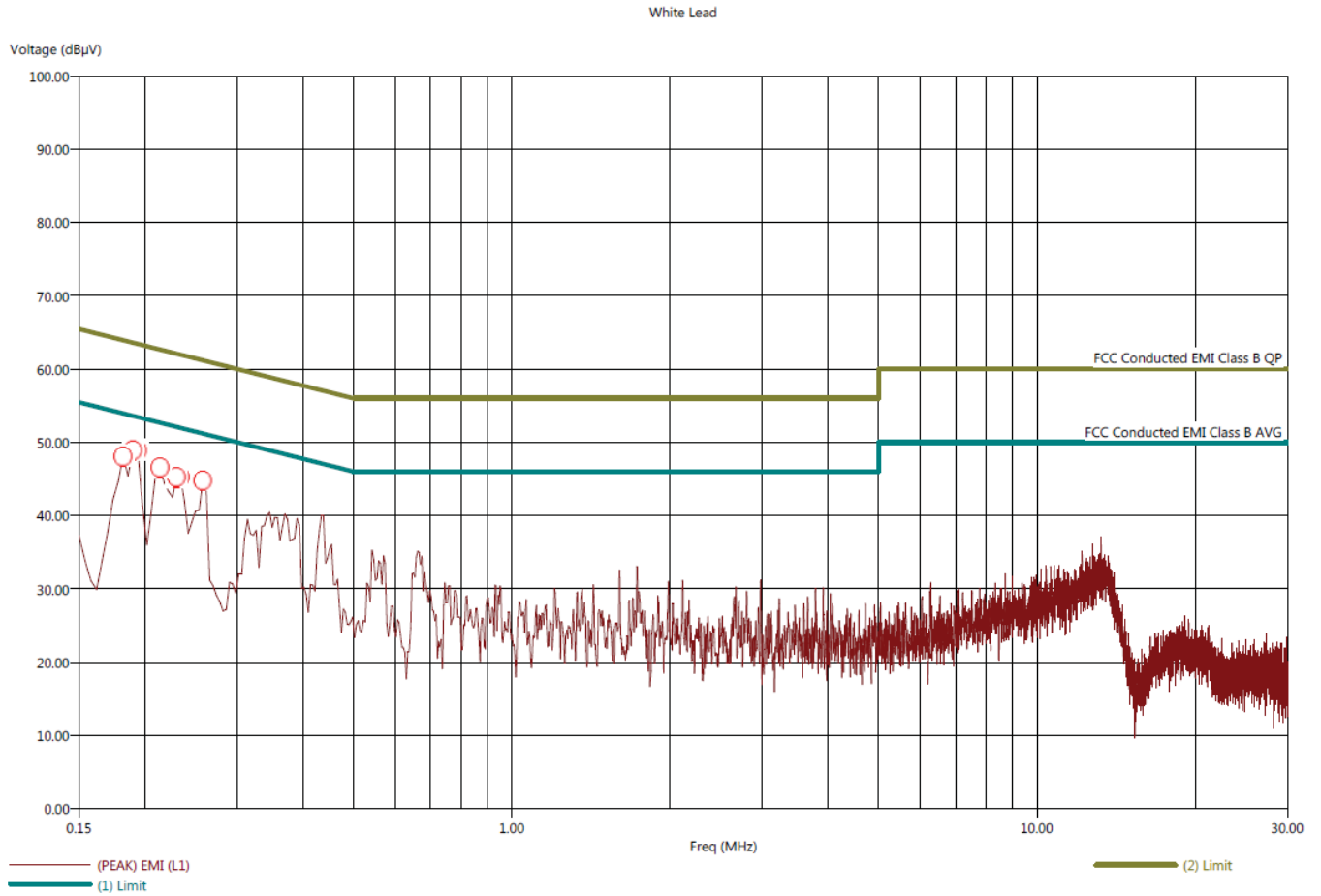
9/18/2018 3:38:21 PM  
 Sequence: Final Measurements

Black Lead									
Freq (MHz)	(PEAK) EMI (dBμV)	(AVG) EMI (dBμV)	(PEAK) Margin (AVG) (dB)	(AVG) Margin (AVG) (dB)	(AVG) Limit (dBμV)	Cable (dB)	Transducer (dB)	Filter (dB)	
0.182	54.58	40.66	0.25	-13.67	54.33	0.00	0.35		9.80
0.190	51.73	38.16	-2.02	-15.59	53.75	0.00	0.32		9.80
0.206	49.12	36.08	-3.92	-16.96	53.05	0.00	0.28		9.80
0.210	47.35	34.54	-5.17	-17.98	52.52	0.01	0.25		9.80
0.454	46.26	33.93	-0.55	-12.88	46.81	0.09	0.04		9.80
13.110	38.60	26.86	-11.40	-23.14	50.00	0.34	0.02		10.13



Title: FCC Class B - White Lead  
File: Keysight - CE - Pre-Scan - White Lead - Actuator Power - WiFi - FCC Class B.set  
Operator: Kyle Fujimoto  
EUT Type: WaterCop SmartConnect  
EUT Condition: The EUT is continuously transmitting BLE and WiFi  
Comments: Company: DynaQuip Controls, Inc.  
Model: TBD  
S/N: N/A  
Note: WiFi Mode - Actuator powered

9/18/2018 3:39:57 PM  
Sequence: Preliminary Scan



Title: FCC Class B - White Lead  
 File: Keysight - CE - Final Scan - White Lead - Actuator Power - WiFi - FCC Class B.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and WiFi  
 Comments: Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: WiFi Mode - Actuator powered

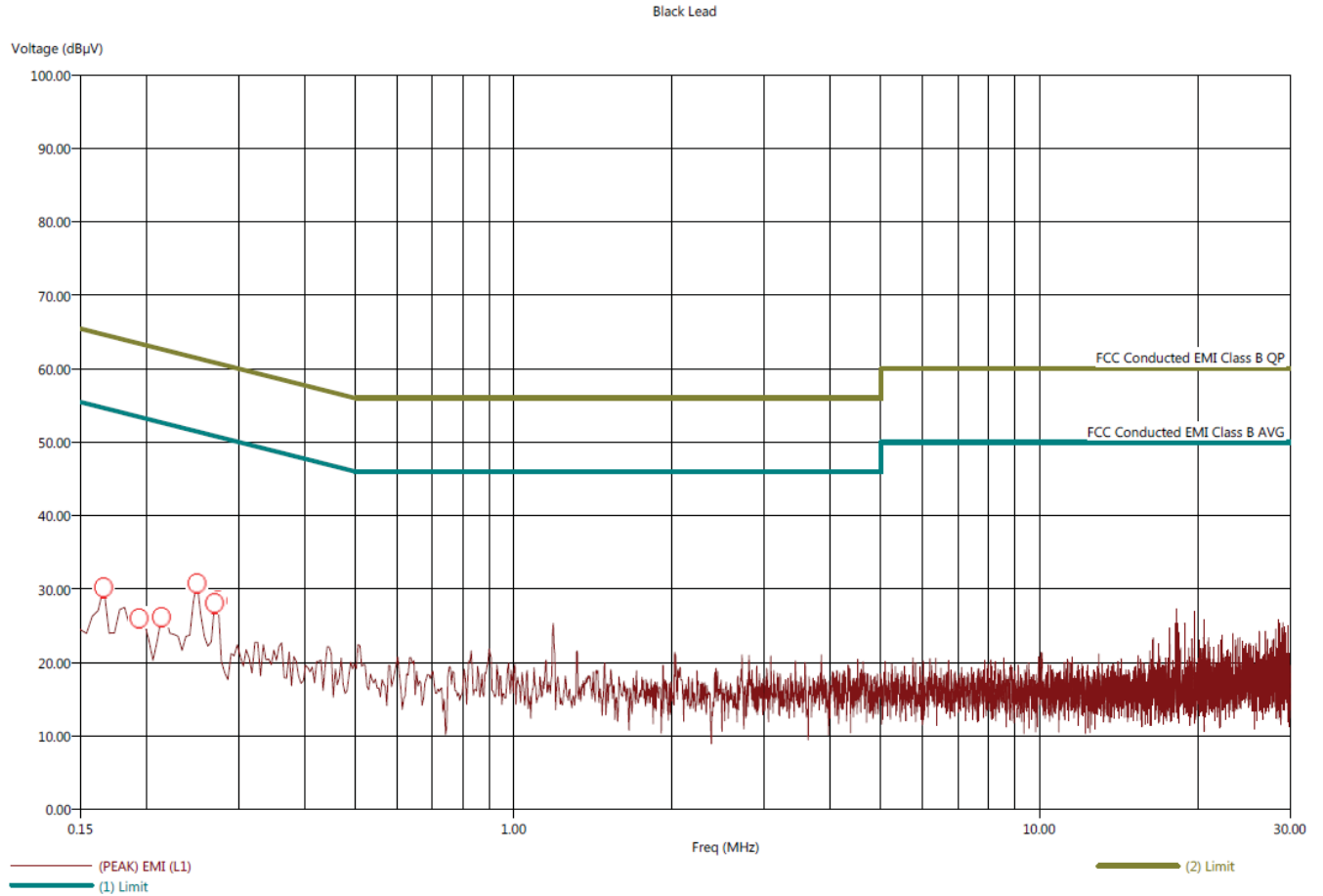
9/18/2018 3:41:17 PM  
 Sequence: Final Measurements

White Lead									
Freq (MHz)	(PEAK) EMI (dBµV)	(AVG) EMI (dBµV)	(PEAK) Margin (AVG) (dB)	(AVG) Margin (AVG) (dB)	(AVG) Limit (dBµV)	Cable (dB)	Transducer (dB)	Filter (dB)	
0.182	54.78	40.70	0.24	-13.84	54.54	0.00	0.35	9.80	
0.190	50.75	36.92	-2.76	-16.59	53.50	0.00	0.29	9.80	
0.194	50.25	36.33	-3.11	-17.03	53.36	0.00	0.28	9.80	
0.214	47.83	34.22	-5.02	-18.63	52.85	0.00	0.25	9.80	
0.230	44.95	30.98	-6.95	-20.92	51.90	0.02	0.19	9.80	
0.234	44.92	31.04	-7.01	-20.89	51.93	0.02	0.19	9.80	
0.258	44.99	30.40	-6.07	-20.66	51.06	0.03	0.14	9.80	



Title: FCC Class B - Black Lead  
 File: Keysight - CE - Pre-Scan - Black Lead - Class 2 Power - Ethernet - FCC Class B.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and pinging router  
 Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: Ethernet Mode - Class 2 Transformer powered

9/18/2018 3:50:09 PM  
 Sequence: Preliminary Scan



Title: FCC Class B - White Lead  
 File: Keysight - CE - Final Scan - White Lead - Class 2 Power - Ethernet - FCC Class B.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and pinging router  
 Comments: Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: Ethernet Mode - Class 2 Transformer powered

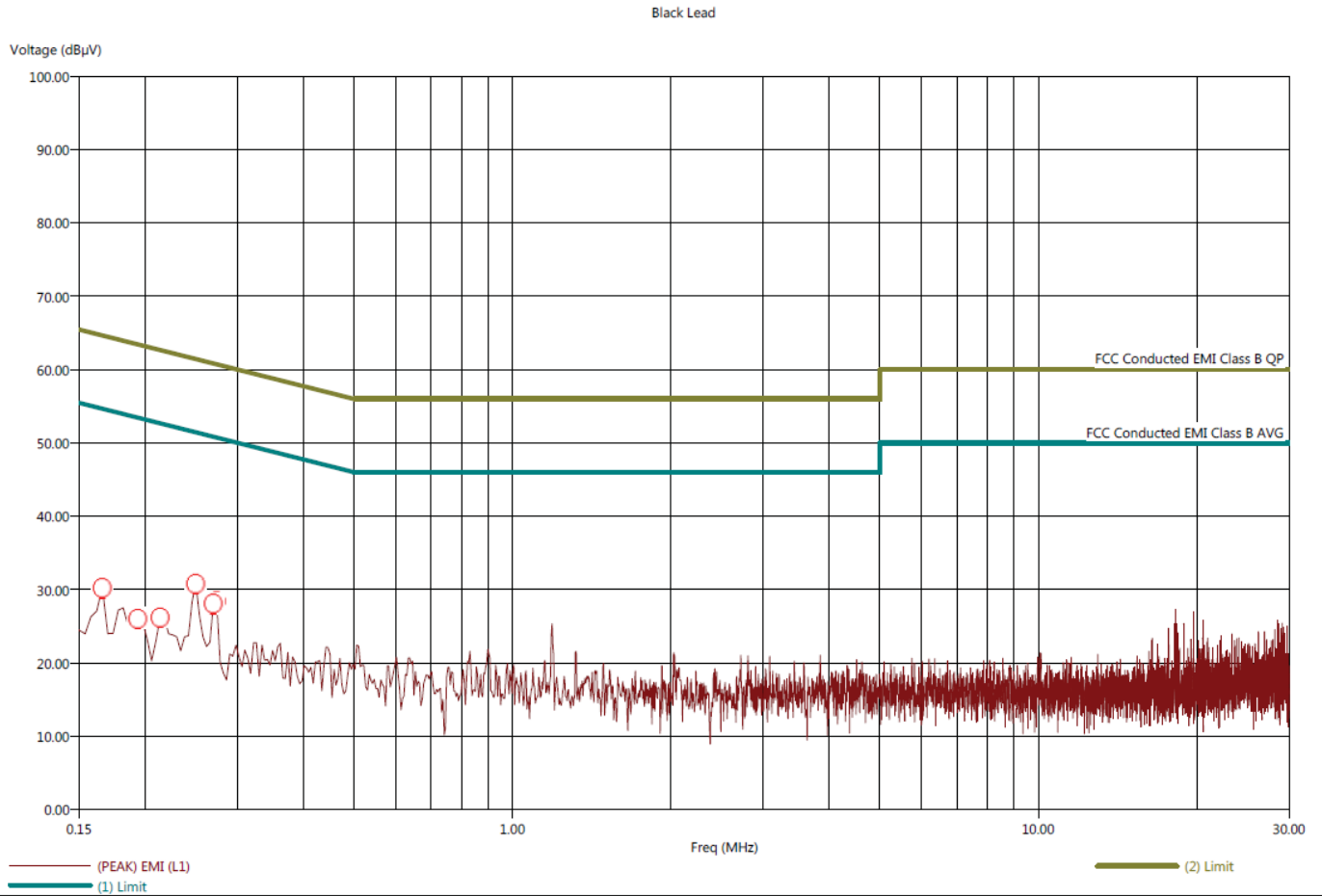
9/18/2018 3:55:14 PM  
 Sequence: Final Measurements

White Lead									
Freq (MHz)	(PEAK) EMI (dBµV)	(AVG) EMI (dBµV)	(PEAK) Margin (dB)	(AVG) Margin (dB)	(AVG) Limit (dBµV)	Cable (dB)	Transducer (dB)	Filter (dB)	
0.642	25.09	18.04	-20.91	-27.96	46.00	0.06	0.00		9.80
1.190	30.01	23.60	-15.99	-22.40	46.00	0.03	0.01		9.83
10.078	24.74	5.36	-25.26	-44.64	50.00	0.30	0.03		10.00
10.218	24.42	4.94	-25.58	-45.06	50.00	0.30	0.03		10.01
10.278	25.57	11.74	-24.43	-38.26	50.00	0.30	0.03		10.01
24.782	28.69	17.10	-21.31	-32.90	50.00	1.04	0.28		10.59



Title: FCC Class B - Black Lead  
 File: Keysight - CE - Pre-Scan - Black Lead - Class 2 Power - Ethernet - FCC Class B.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and pinging router  
 Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: Ethernet Mode - Class 2 Transformer powered

9/18/2018 3:50:09 PM  
 Sequence: Preliminary Scan



Title: FCC Class B - Black Lead  
 File: Keysight - CE - Final Scan - Black Lead - Class 2 Power - Ethernet - FCC Class B.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and pinging router  
 Comments: Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: Ethernet Mode - Class 2 Transformer powered

9/18/2018 3:52:17 PM  
 Sequence: Final Measurements

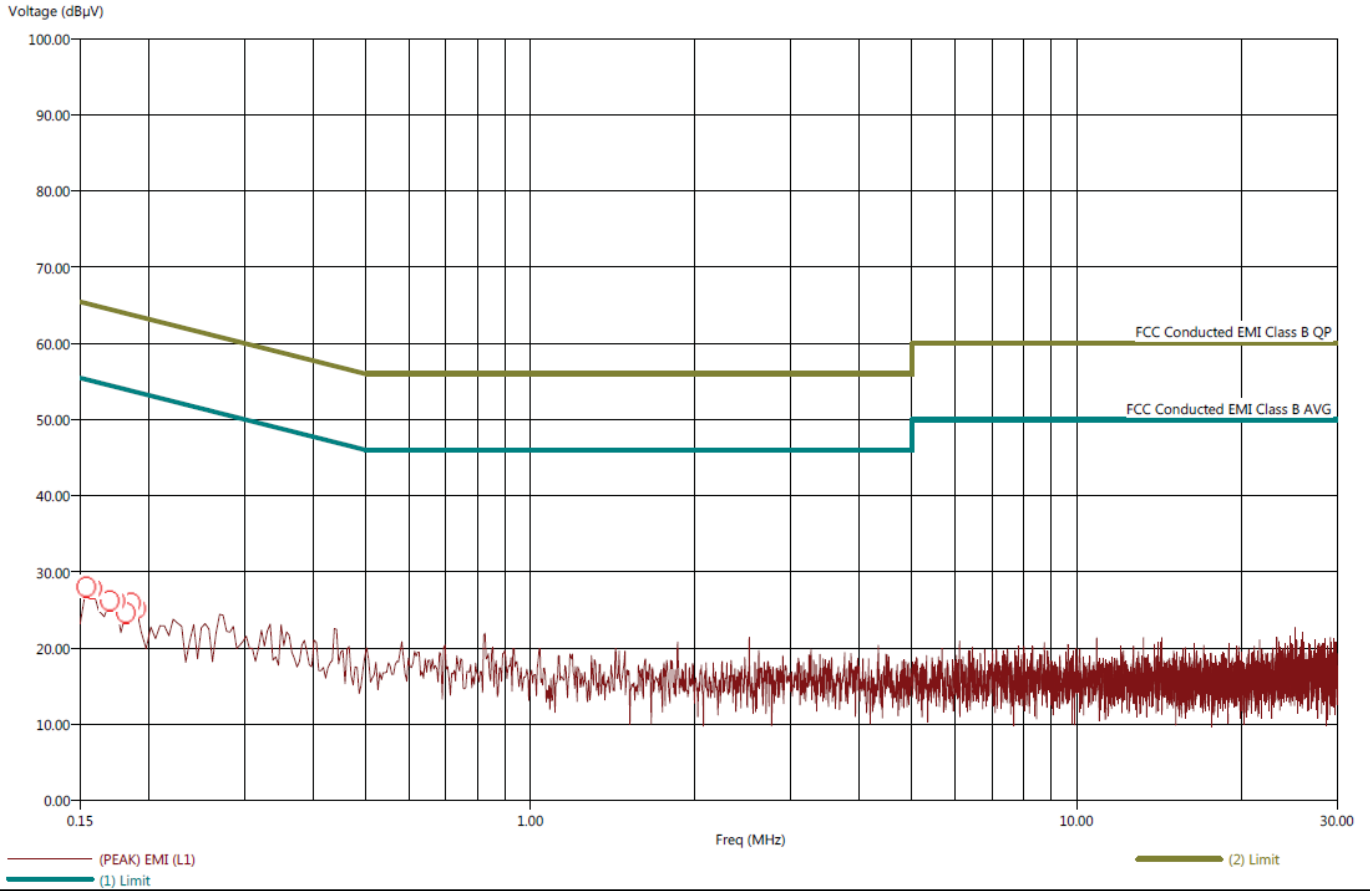
Black Lead									
Freq (MHz)	(PEAK) EMI (dBμV)	(AVG) EMI (dBμV)	(PEAK) Margin (dB)	(AVG) Margin (dB)	(AVG) Limit (dBμV)	Cable (dB)	Transducer (dB)	Filter (dB)	
0.166	36.14	16.61	-18.63	-38.16	54.77	0.00	0.38	9.80	
0.194	33.00	14.89	-20.53	-38.64	53.53	0.00	0.31	9.80	
0.214	32.98	14.06	-19.36	-38.28	52.34	0.01	0.24	9.80	
0.250	30.42	13.82	-21.08	-37.68	51.50	0.02	0.19	9.80	
0.270	25.39	14.97	-25.68	-36.10	51.06	0.03	0.17	9.80	
0.274	24.18	14.82	-26.55	-35.91	50.73	0.03	0.15	9.80	



Title: FCC Class B - Black Lead  
 File: Keysight - CE - Pre-Scan - Black Lead - Class 2 Power - WiFi - FCC Class B.set  
 Operator: Kyle Fujimoto  
 EUT Type: WaterCop SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and WiFi  
 Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: WiFi Mode - Class 2 Transformer powered

9/18/2018 3:59:57 PM  
 Sequence: Preliminary Scan

Black Lead





Title: FCC Class B - Black Lead  
 File: Keysight - CE - Final Scan - Black Lead - Class 2 Power - WiFi - FCC Class B.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and WiFi  
 Comments: Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: WiFi Mode - Class 2 Transformer powered

9/18/2018 4:01:52 PM  
 Sequence: Final Measurements

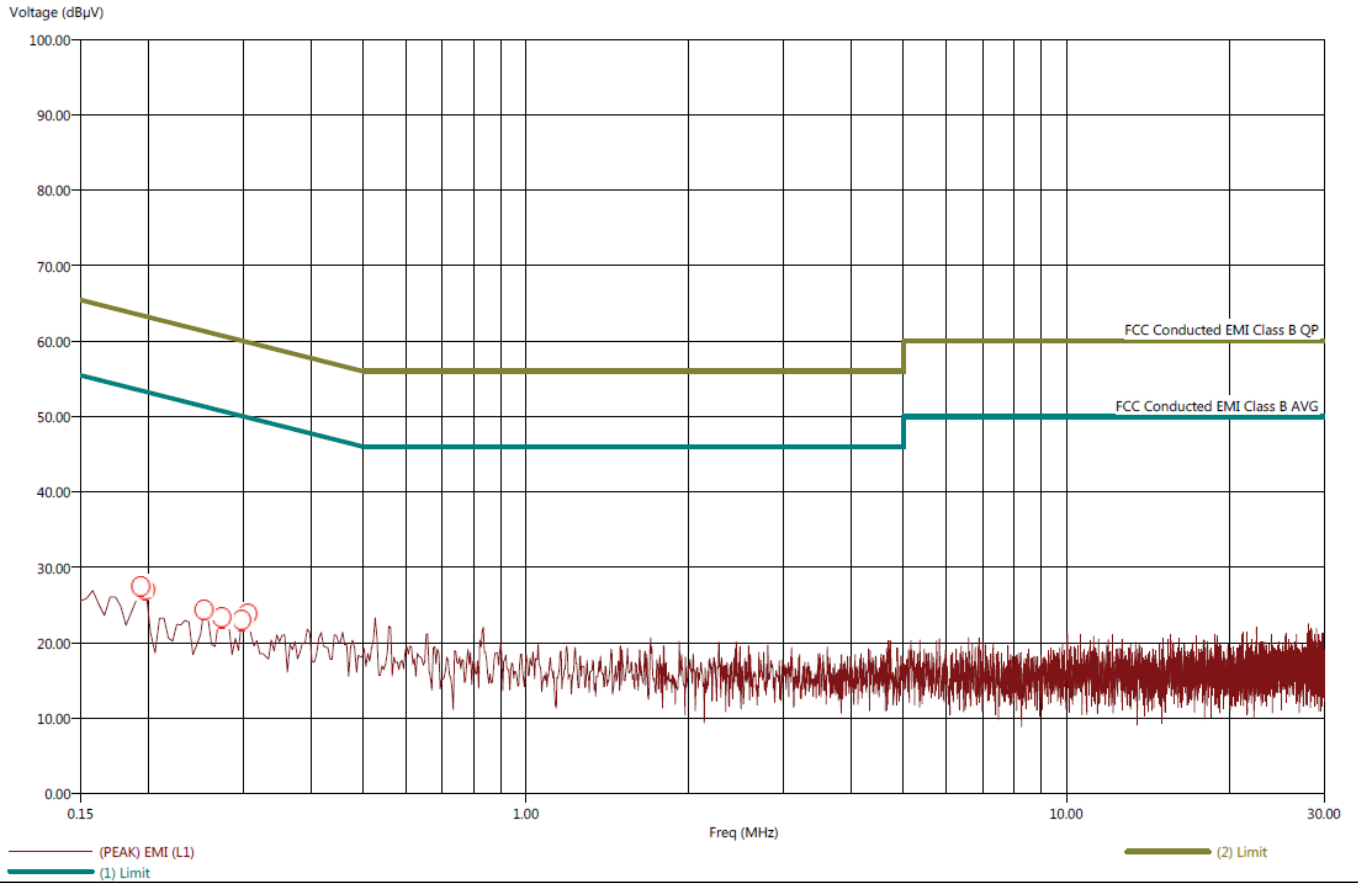
Black Lead									
Freq (MHz)	(PEAK) EMI (dBµV)	(AVG) EMI (dBµV)	(PEAK) Margin (dB)	(AVG) Margin (dB)	(AVG) Limit (dBµV)	Cable (dB)	Transducer (dB)	Filter (dB)	
0.154	32.97	16.79	-22.09	-38.27	55.06	0.00	0.40	9.80	
0.158	35.87	17.19	-19.31	-37.99	55.18	0.00	0.40	9.80	
0.170	34.93	16.73	-19.90	-38.10	54.83	0.00	0.38	9.80	
0.174	34.40	15.38	-19.55	-38.57	53.96	0.00	0.33	9.80	
0.182	34.54	15.58	-19.25	-38.21	53.79	0.00	0.32	9.80	
0.186	31.39	15.25	-22.28	-38.42	53.67	0.00	0.32	9.80	
0.190	32.43	15.06	-21.12	-38.49	53.55	0.00	0.31	9.80	



Title: FCC Class B - White Lead  
 File: Keysight - CE - Pre-Scan - White Lead - Class 2 Power - WiFi - FCC Class B.set  
 Operator: Kyle Fujimoto  
 EUT Type: WaterCop SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and WiFi  
 Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: WiFi Mode - Class 2 Transformer powered

9/18/2018 3:57:07 PM  
 Sequence: Preliminary Scan

White Lead

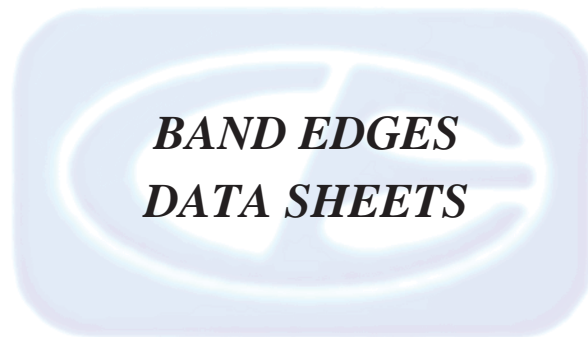


Title: FCC Class B - White Lead  
 File: Keysight - CE - Final Scan - White Lead - Class 2 Power - WiFi - FCC Class B.set  
 Operator: Kyle Fujimoto  
 EUT Type: SmartConnect  
 EUT Condition: The EUT is continuously transmitting BLE and WiFi  
 Comments: Company: DynaQuip Controls, Inc.  
 Model: WCSCLV  
 S/N: N/A  
 Note: WiFi Mode - Class 2 Transformer powered

9/18/2018 3:57:44 PM  
 Sequence: Final Measurements

White Lead									
Freq (MHz)	(PEAK) EMI (dBµV)	(AVG) EMI (dBµV)	(PEAK) Margin (dB)	(AVG) Margin (AVG) (dB)	(AVG) Limit (dBµV)	Cable (dB)	Transducer (dB)	Filter (dB)	
0.194	24.65	13.73	-29.09	-40.01	53.75	0.00	0.30	9.80	
0.198	23.59	13.61	-29.95	-39.93	53.54	0.00	0.29	9.80	
0.254	25.29	15.49	-26.15	-35.95	51.44	0.02	0.17	9.80	
0.274	25.18	14.77	-25.61	-36.02	50.79	0.03	0.13	9.80	
0.298	24.02	13.75	-25.90	-36.17	49.92	0.05	0.08	9.80	
0.306	23.56	13.66	-26.46	-36.36	50.01	0.04	0.08	9.80	





**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

Dates: 09/14/2018 and 09/19/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Band Edges - Ethernet Mode - Actuator Power**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2402.00	105.76	H	113.97	-8.21	Peak	191.50	191.50	<b>Fundamental - Low Ch.</b>
2402.00	85.76	H	93.97	-8.21	Avg	191.50	191.50	<b>Z-Axis - Worst Case</b>
2400.00	73.36	H	73.97	-0.61	Peak	145.00	145.00	<b>Band Edge</b>
2400.00	53.36	H	53.97	-0.61	Avg	145.00	145.00	<b>Z-Axis - Worst Case</b>
2402.00	103.01	V	113.97	-10.96	Peak	73.50	249.31	<b>Fundamental - Low Ch.</b>
2402.00	83.01	V	93.97	-10.96	Avg	73.50	249.31	<b>Y-Axis - Worst Case</b>
2400.00	69.75	V	73.97	-4.22	Peak	73.50	249.31	<b>Band Edge</b>
2400.00	49.75	V	53.97	-4.22	Avg	73.50	249.31	<b>Y-Axis - Worst Case</b>

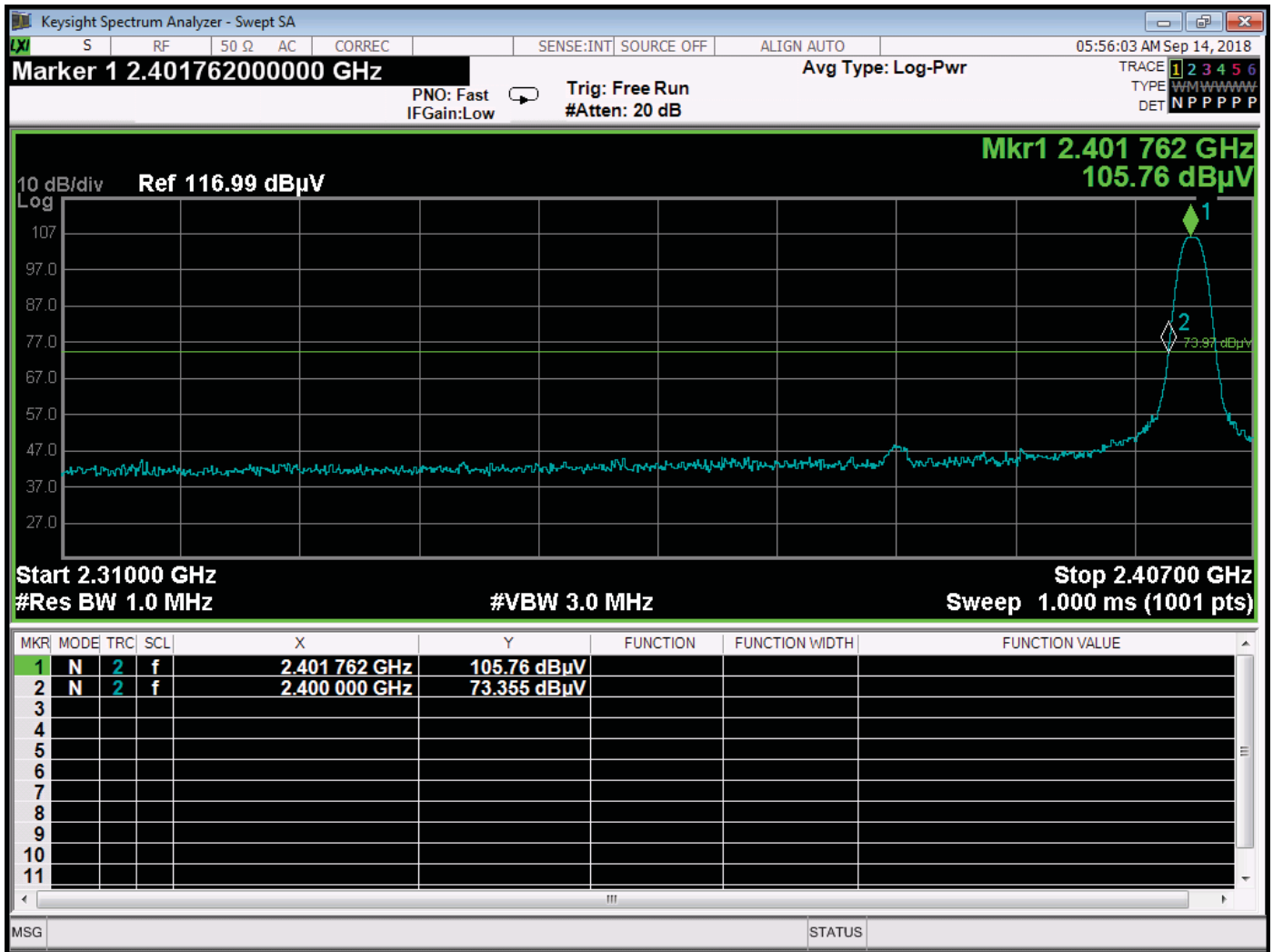
**FCC 15.249**

DynaQuip Controls, Inc.  
 SmartConnect  
 Model: WCSCLV

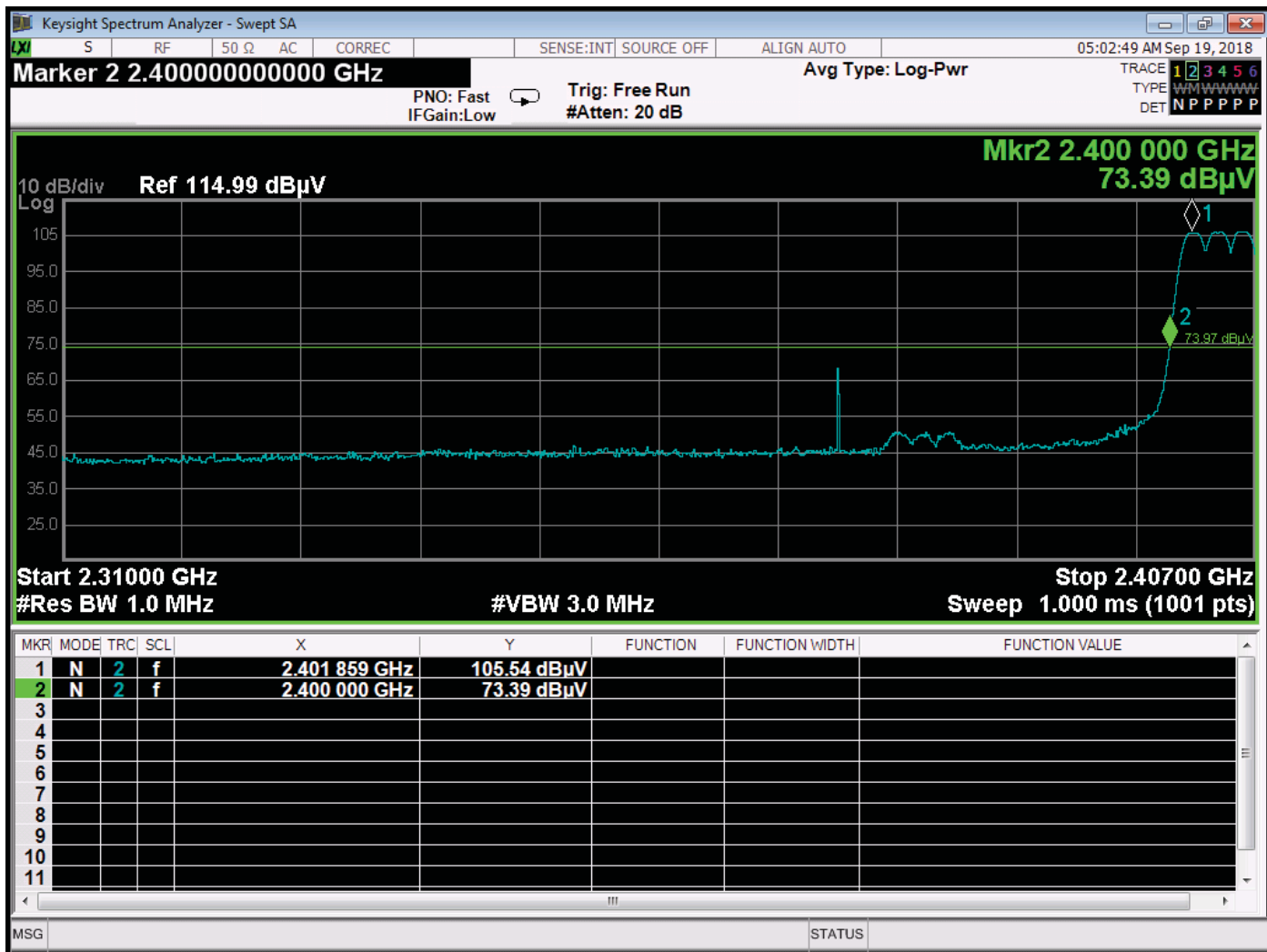
Dates: 09/14/2018 and 09/19/2018  
 Lab: D  
 Tested By: Kyle Fujimoto

**Band Edges - Ethernet Mode - Actuator Power**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2480.00	105.47	H	113.97	-8.50	Peak	198.25	205.47	Fundamental - High Ch.
2480.00	85.47	H	93.97	-8.50	Avg	198.25	205.47	X-Axis - Worst Case
2483.50	52.41	H	73.97	-21.56	Peak	198.25	205.47	Band Edge
2483.50	32.41	H	53.97	-21.56	Avg	198.25	205.47	X-Axis - Worst Case
2480.00	102.08	V	113.97	-11.89	Peak	175.50	185.05	Fundamental - High Ch.
2480.00	82.08	V	93.97	-11.89	Avg	175.50	185.05	Y-Axis - Worst Case
2483.50	49.78	V	73.97	-24.19	Peak	175.50	185.05	Band Edge
2483.50	29.78	V	53.97	-24.19	Avg	175.50	185.05	Y-Axis - Worst Case

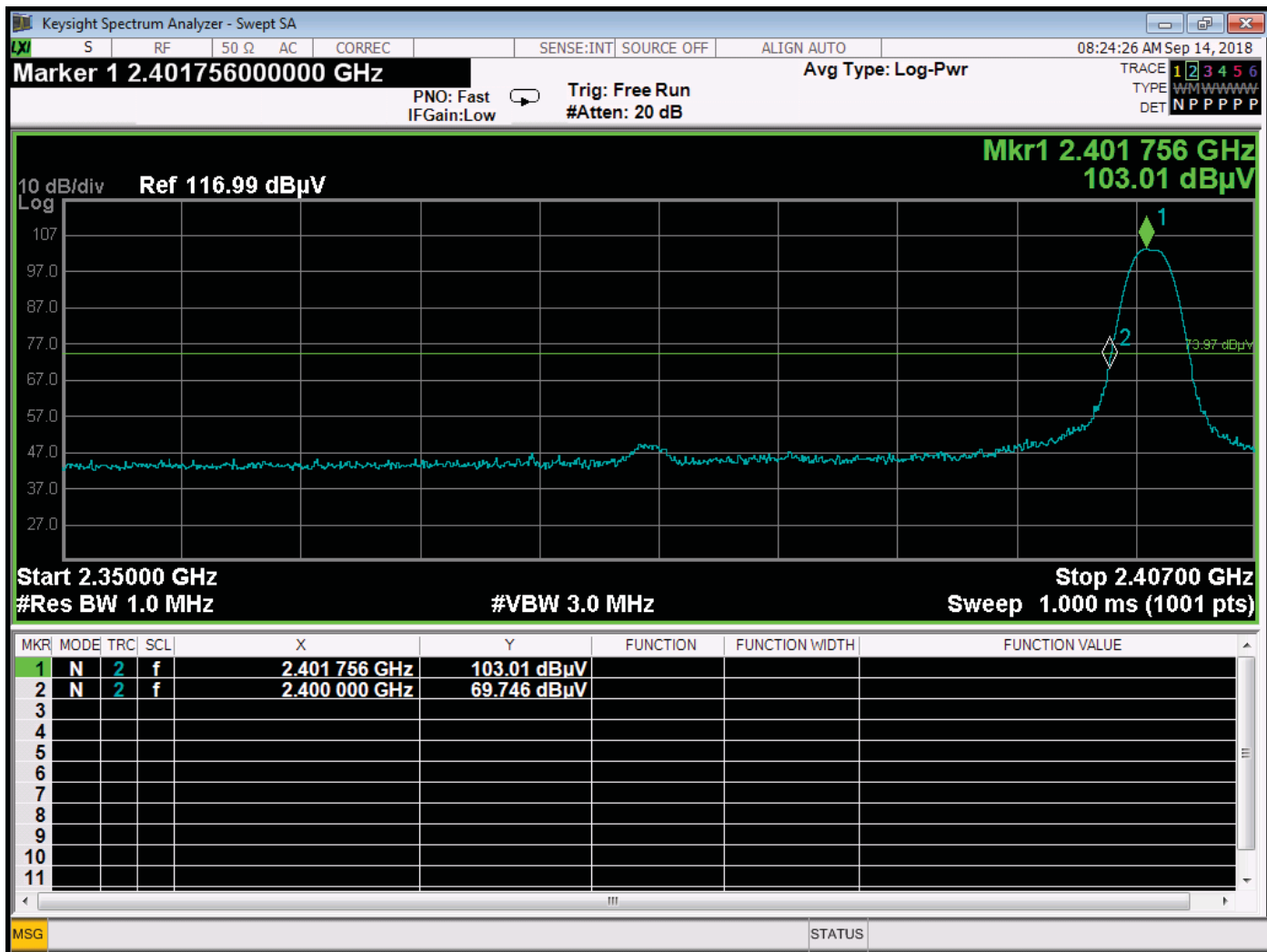


BE – 2402 MHz – Horizontal – Z-Axis Worst Case – Continuous Transmit – Ethernet Mode – Actuator Power

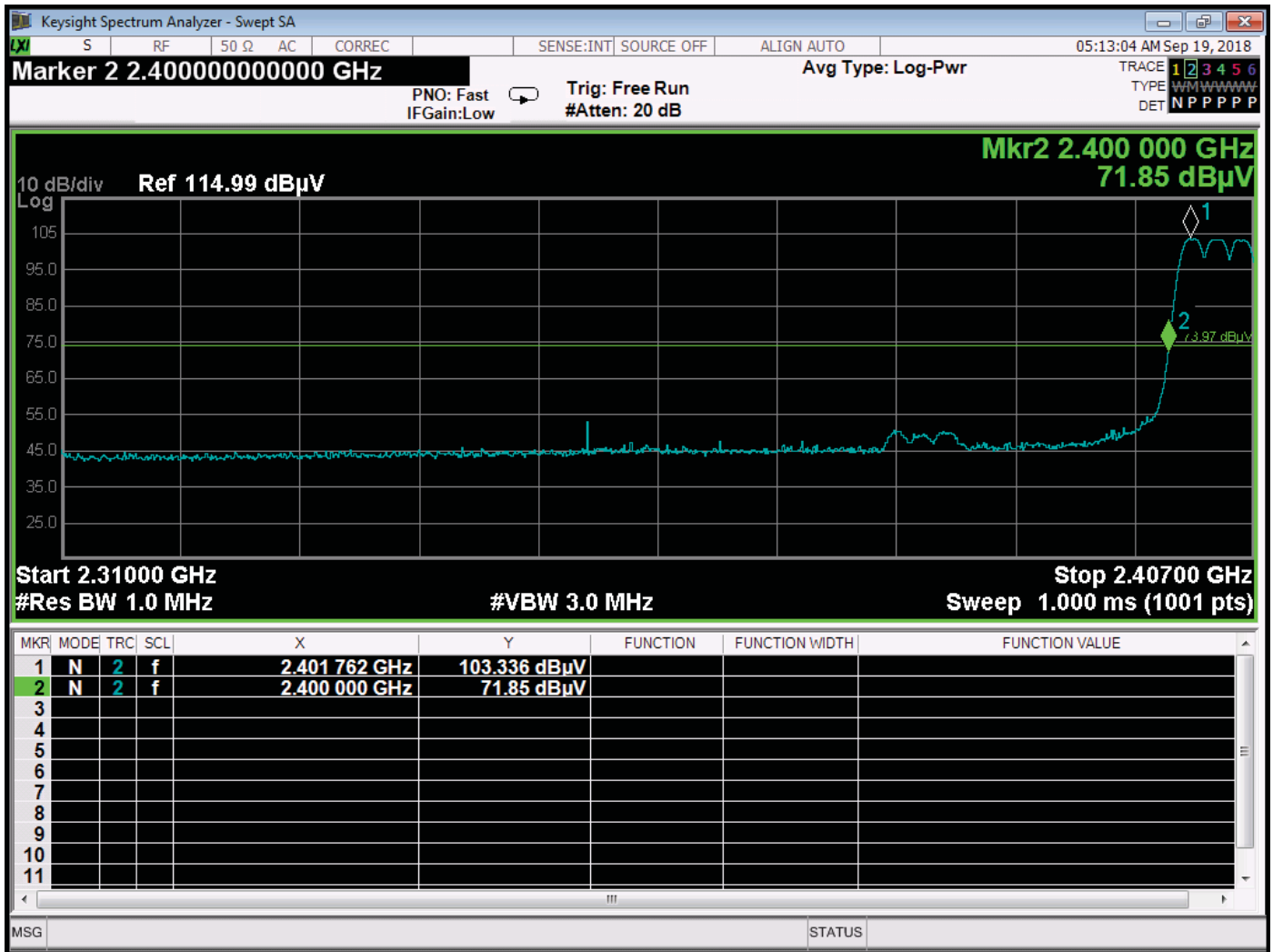


BE – 2402 MHz – Horizontal – X-Axis Worst Case – Frequency Hopping – Ethernet Mode – Actuator Power  
 Note: The spike shown is part of the Frequency Hopping and has the same duty cycle as the Frequency Hopping

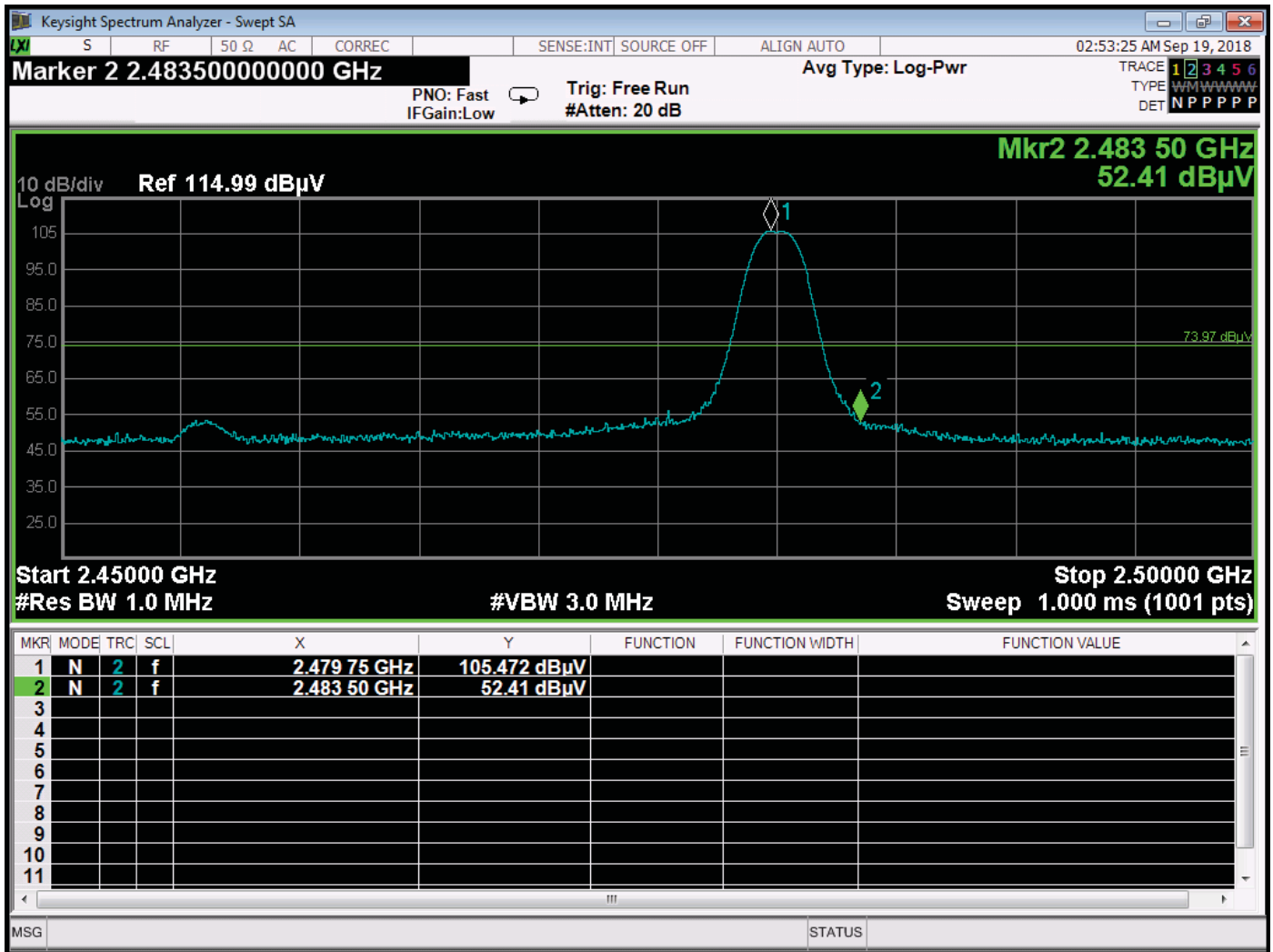




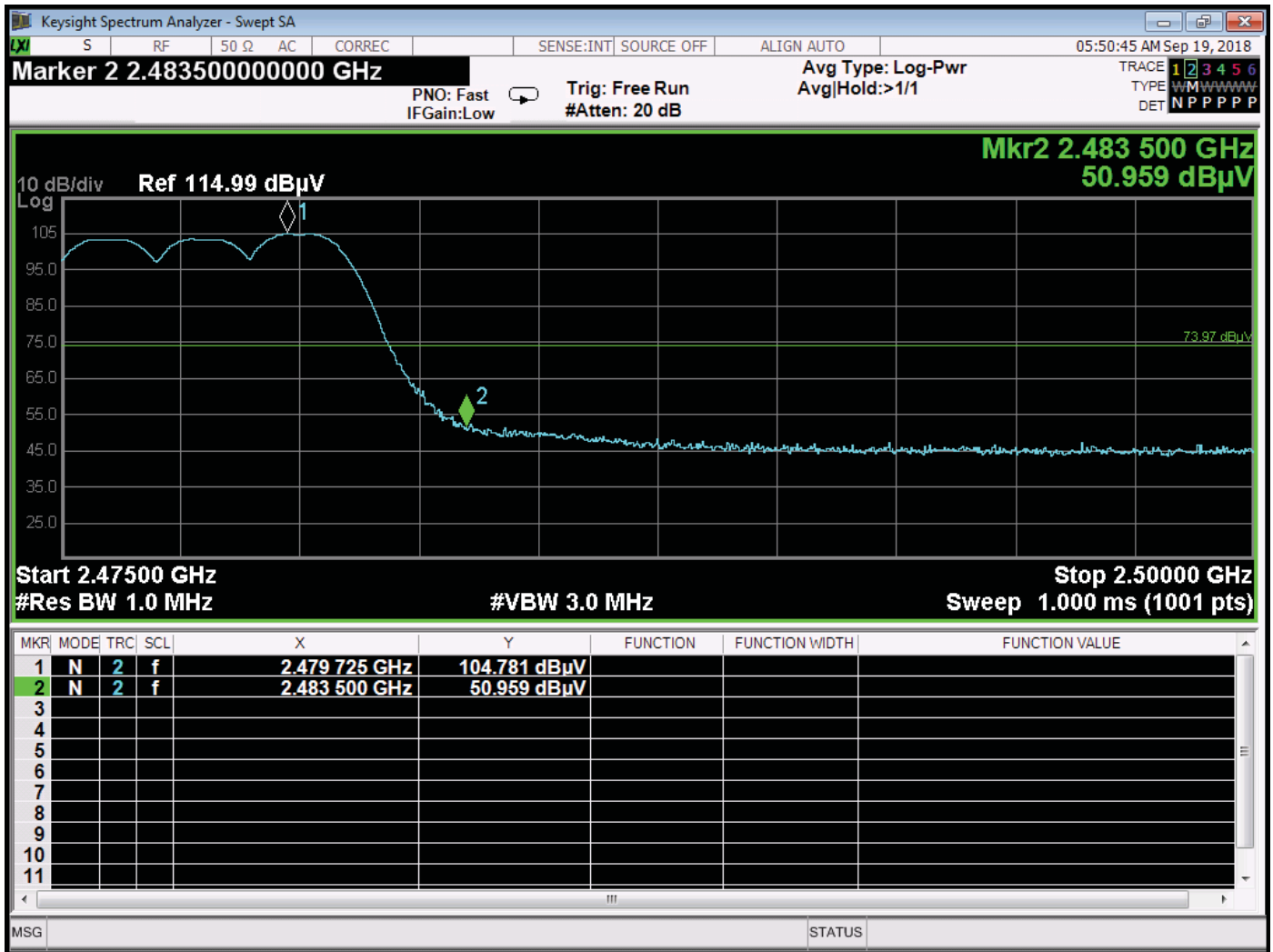
BE – 2402 MHz – Vertical – Y-Axis Worst Case – Continuous Transmit – Ethernet Mode – Actuator Power



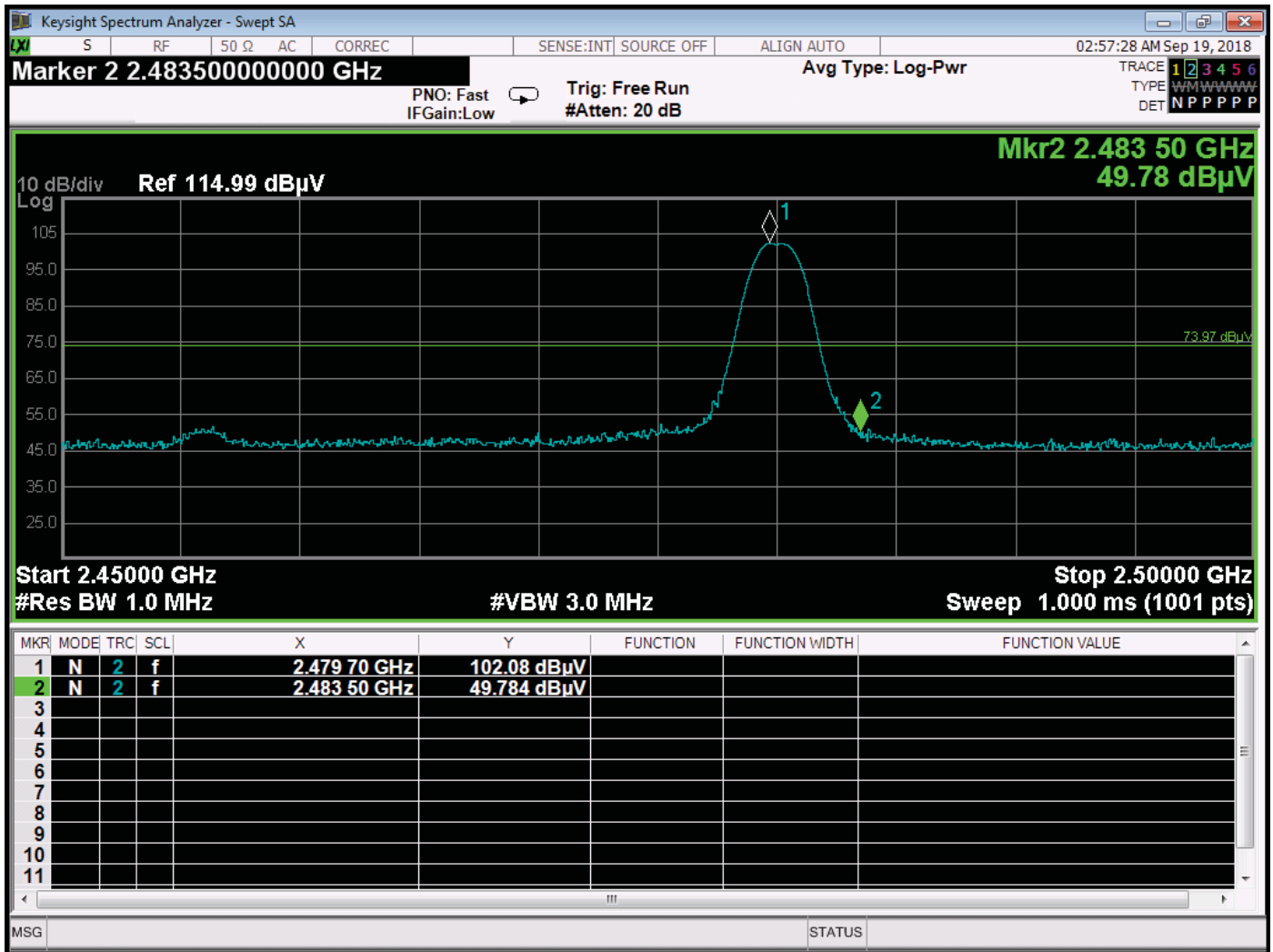
BE – 2402 MHz – Vertical – Y-Axis Worst Case – Frequency Hopping – Ethernet Mode – Actuator Power  
 Note: The spike shown is part of the Frequency Hopping and has the same duty cycle as the Frequency Hopping



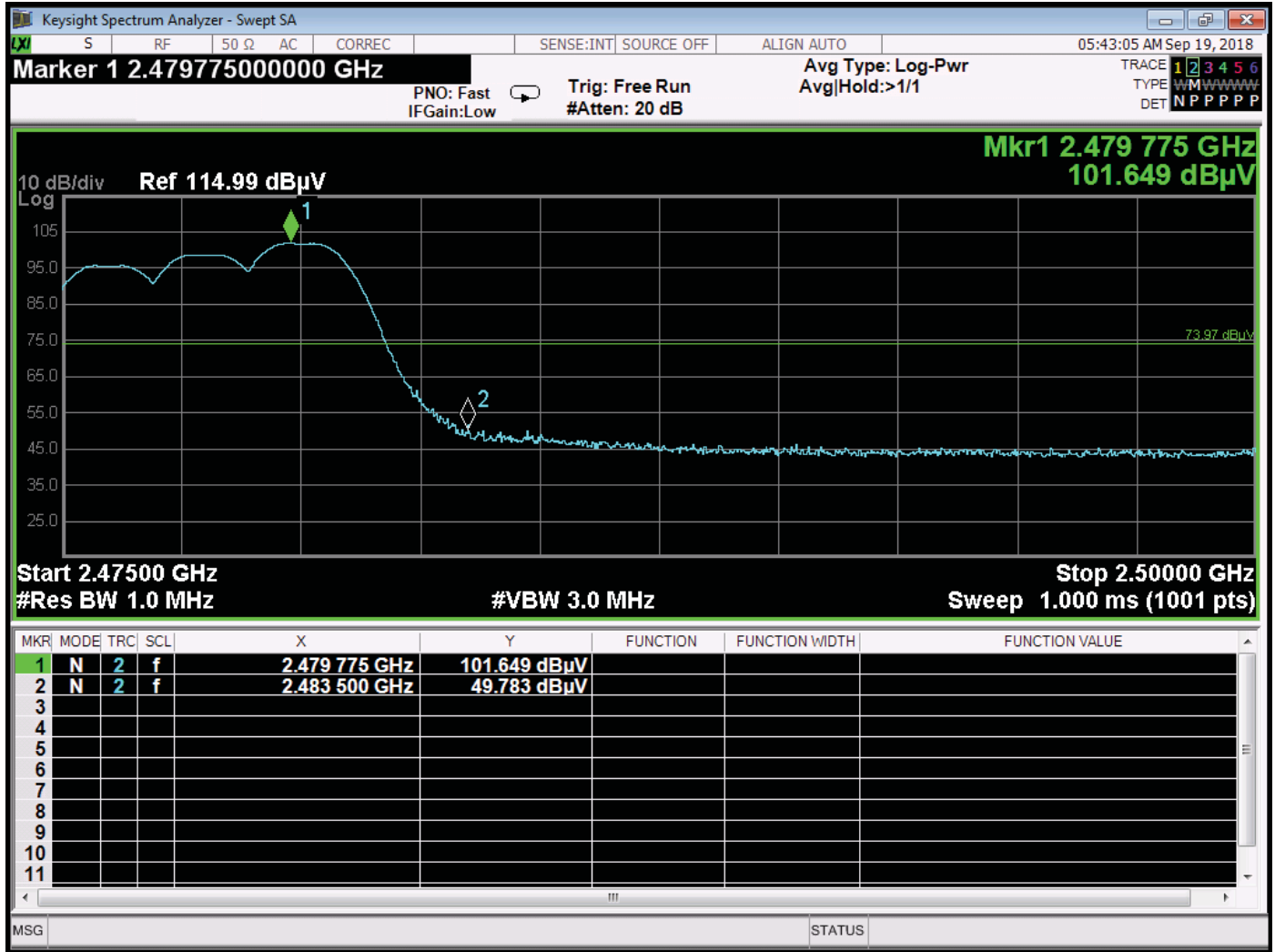
BE – 2480 MHz – Horizontal – X-Axis Worst Case – Continuous Transmit – Ethernet Mode – Actuator Power



BE – 2480 MHz – Horizontal – X-Axis Worst Case – Frequency Hopping – Ethernet Mode – Actuator Power



BE – 2480 MHz – Vertical – Y-Axis Worst Case – Continuous Transmit – Ethernet Mode – Actuator Power

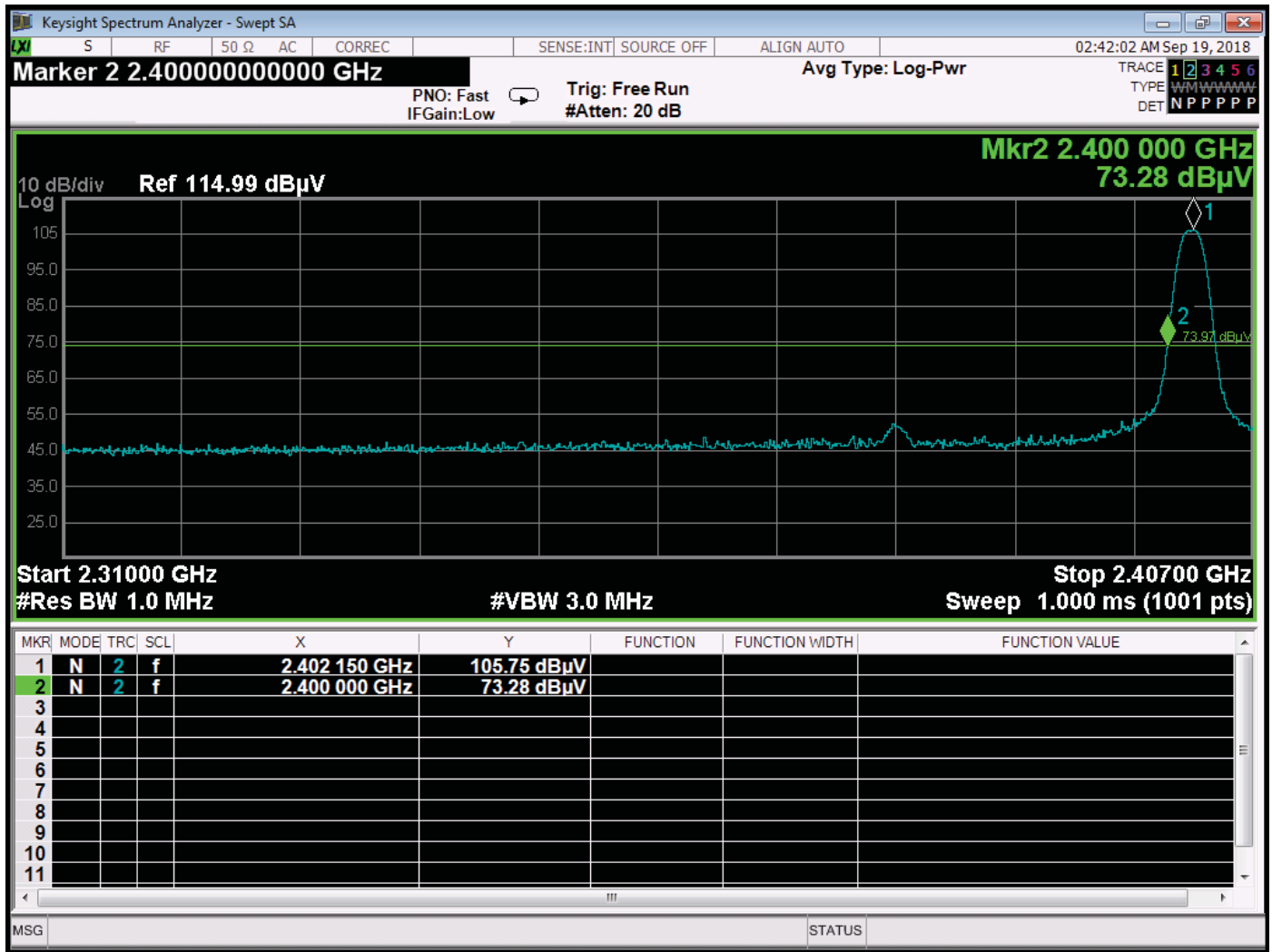


BE – 2480 MHz – Vertical – Y-Axis Worst Case – Frequency Hopping – Ethernet Mode – Actuator Power

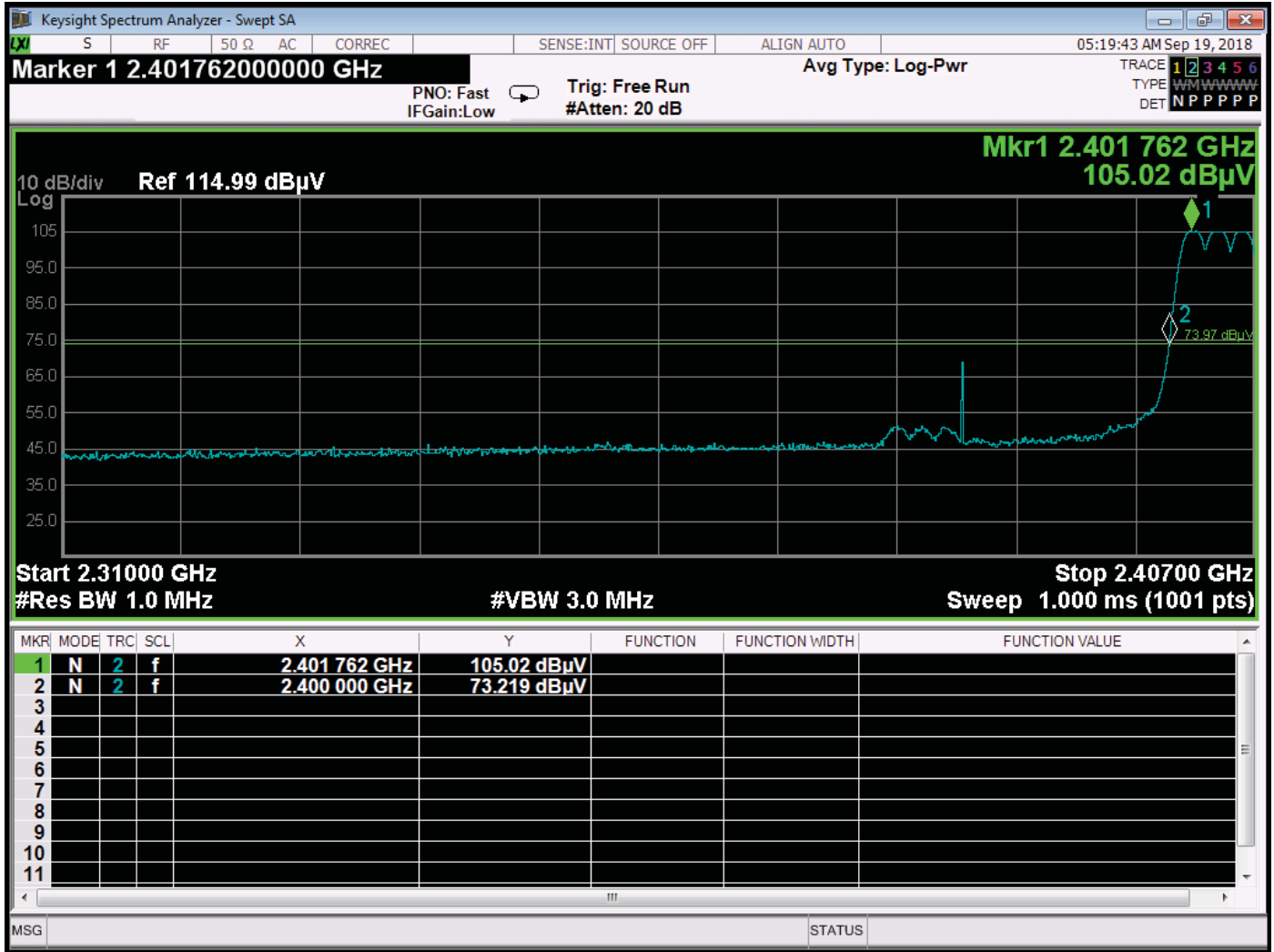




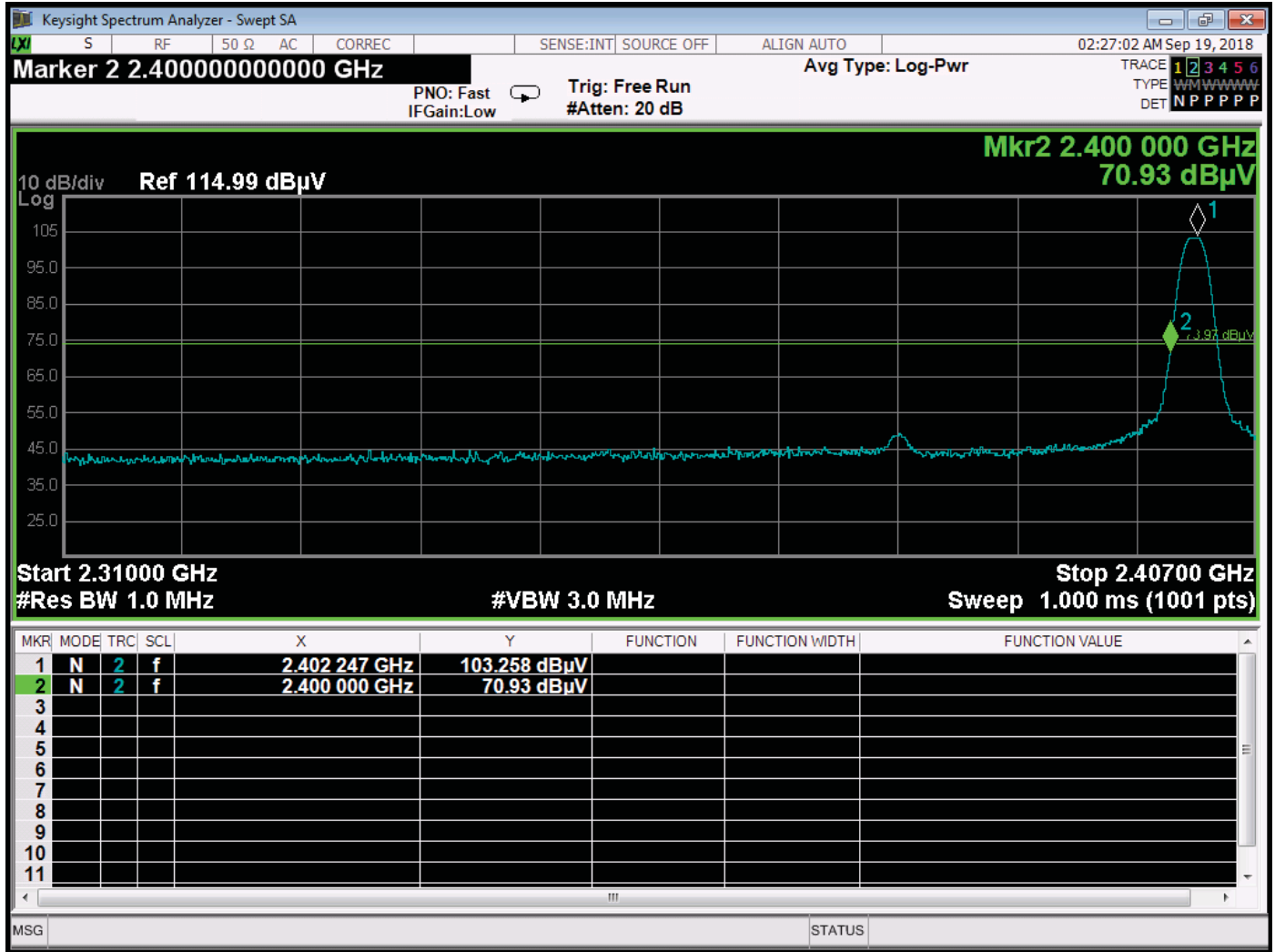




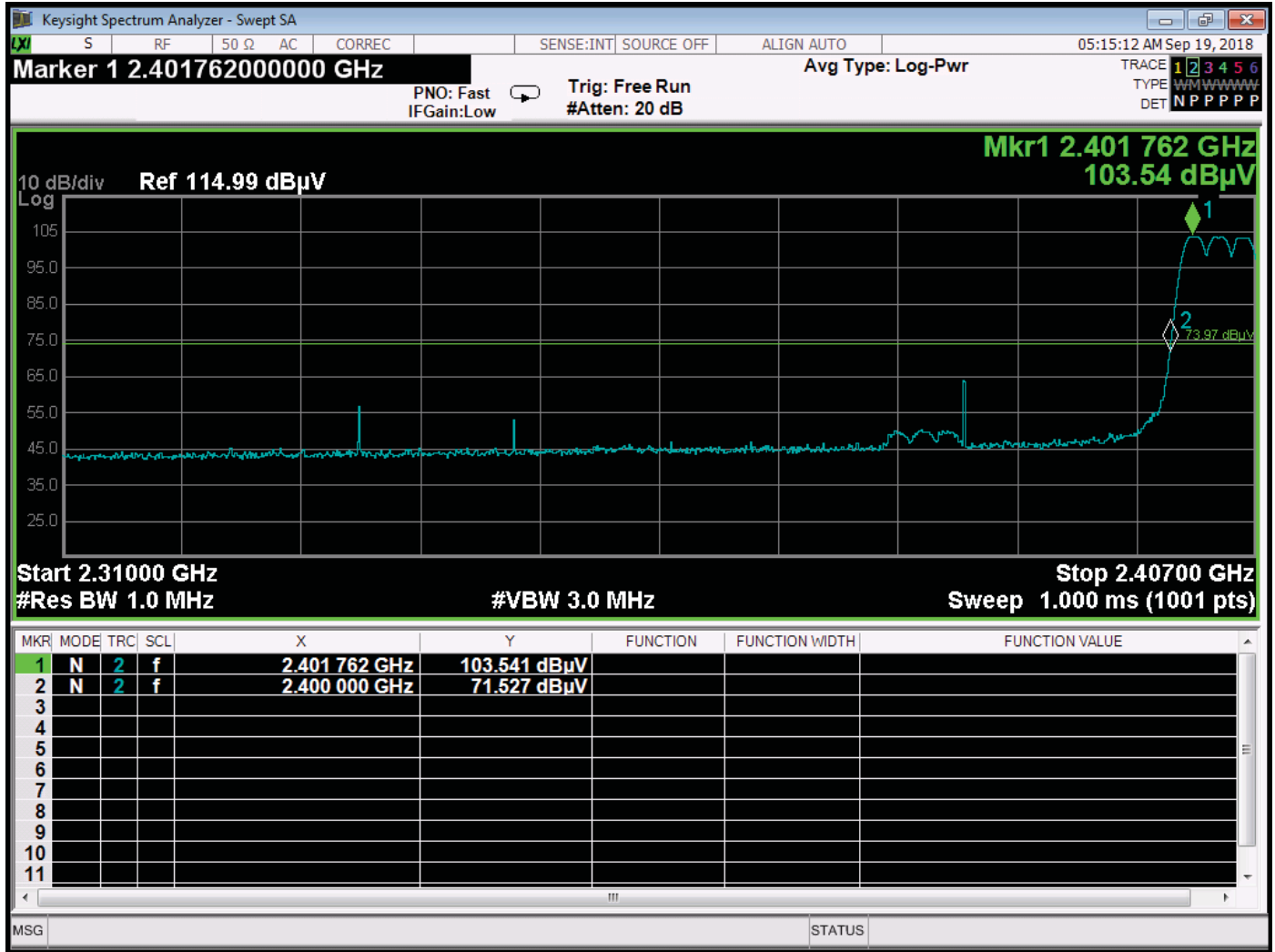
BE – 2402 MHz – Horizontal – Z-Axis Worst Case – Continuous Transmit – Ethernet Mode – Class 2 Transformer Power



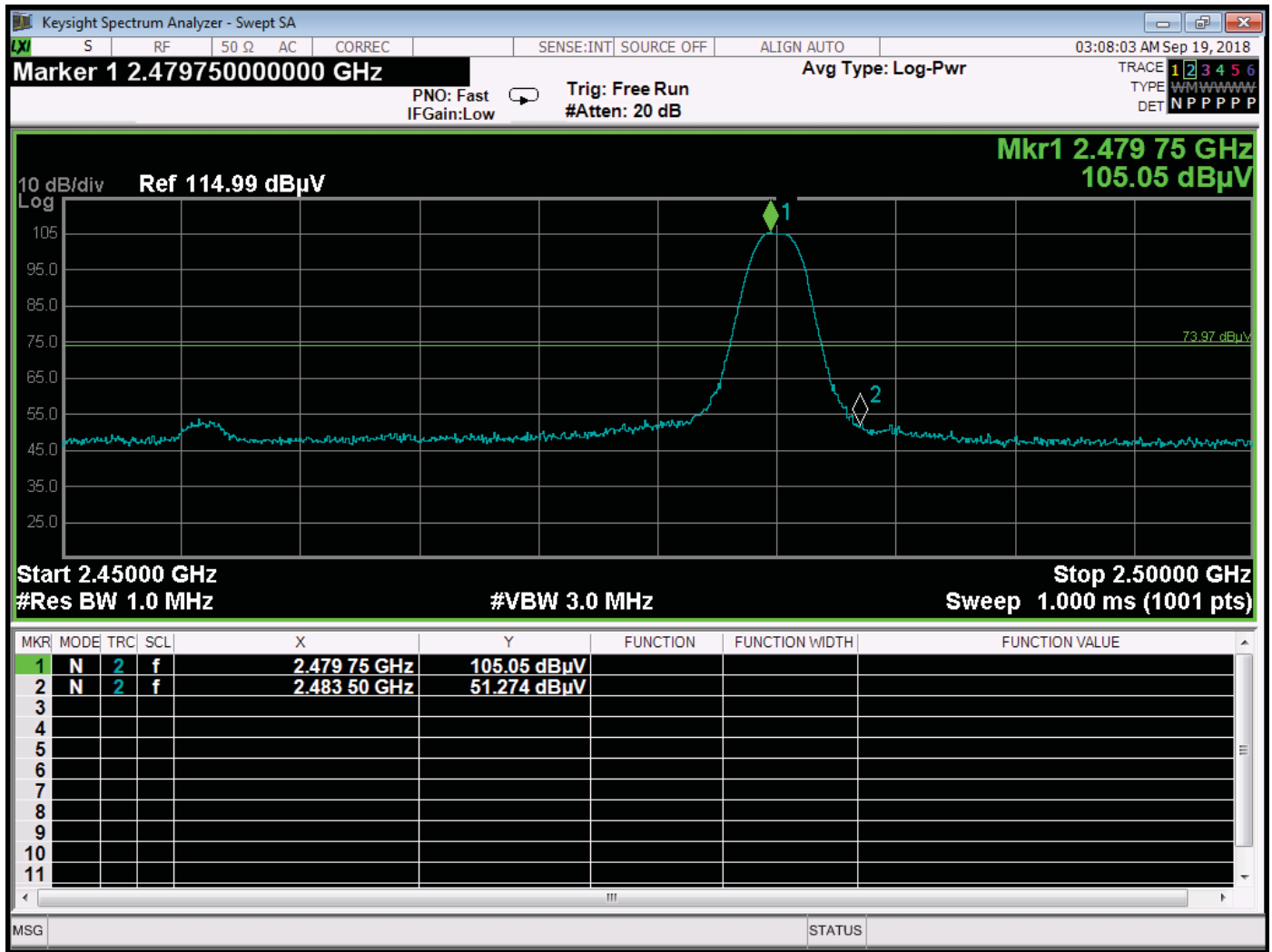
BE – 2402 MHz – Horizontal – Z-Axis Worst Case – Frequency Hopping – Ethernet Mode – Class 2 Transformer Power  
 Note: The spike shown is part of the Frequency Hopping and has the same duty cycle as the Frequency Hopping



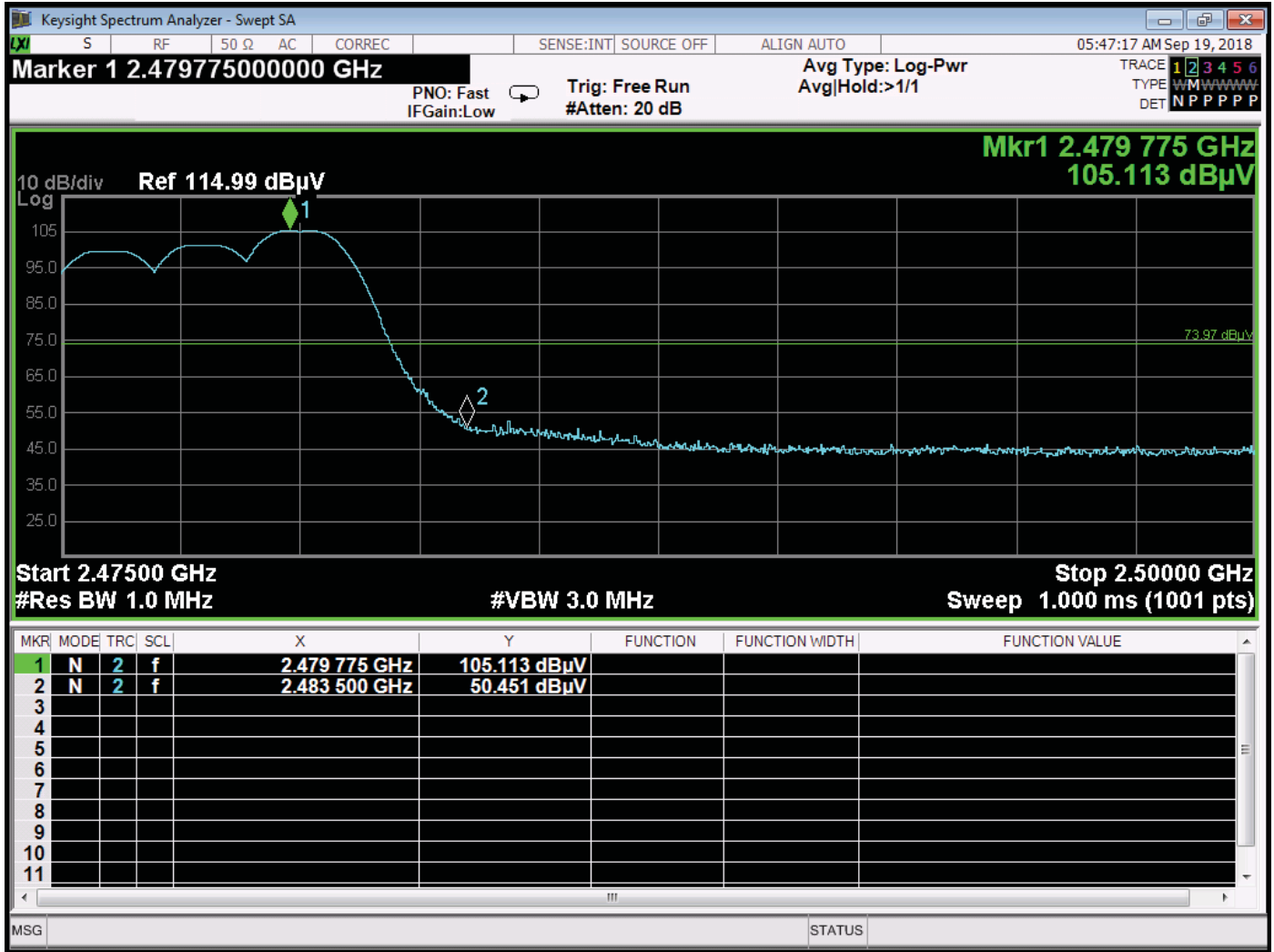
BE – 2402 MHz – Vertical – Y-Axis Worst Case – Continuous Transmit – Ethernet Mode – Class 2 Transformer Power



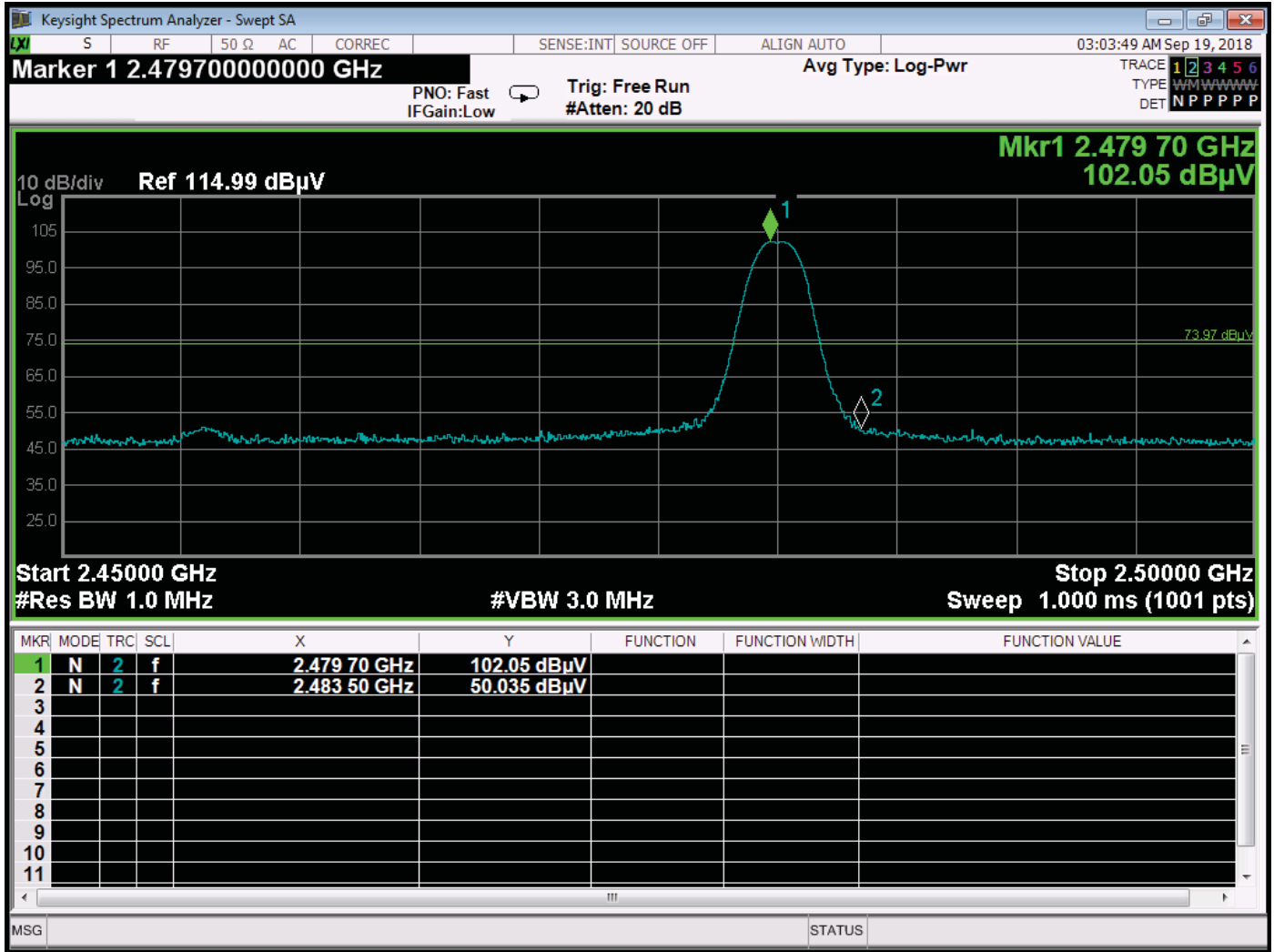
BE – 2402 MHz – Vertical – Y-Axis Worst Case – Frequency Hopping – Ethernet Mode – Class 2 Transformer Power  
 Note: The spike shown is part of the Frequency Hopping and has the same duty cycle as the Frequency Hopping



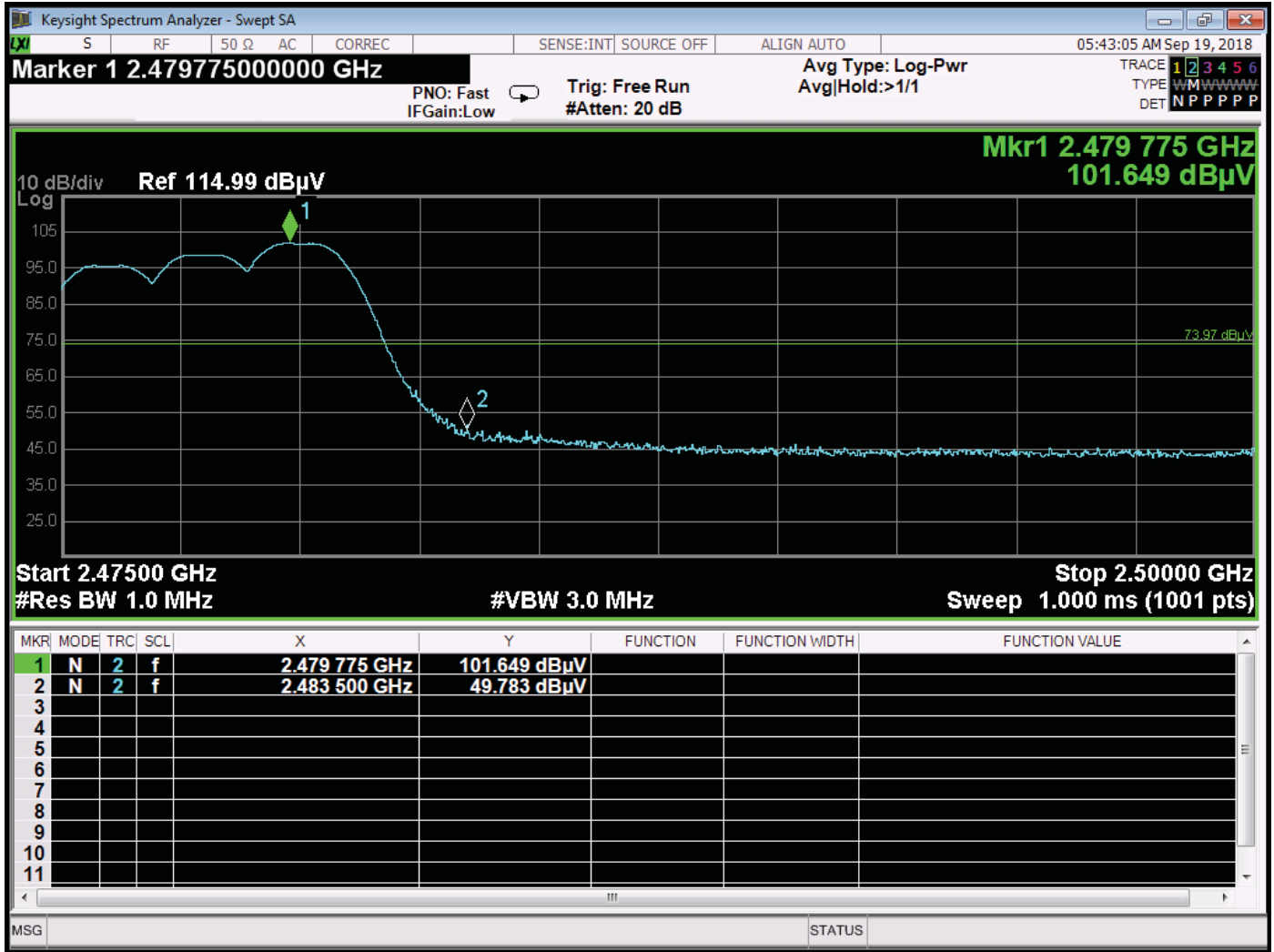
BE – 2480 MHz – Horizontal – X-Axis Worst Case – Continuous Transmit – Ethernet Mode – Class 2 Transformer Power



BE – 2480 MHz – Horizontal – X-Axis Worst Case – Frequency Hopping – Ethernet Mode – Class 2 Transformer Power



BE – 2480 MHz – Vertical – Y-Axis Worst Case – Continuous Transmit – Ethernet Mode – Class 2 Transformer Power

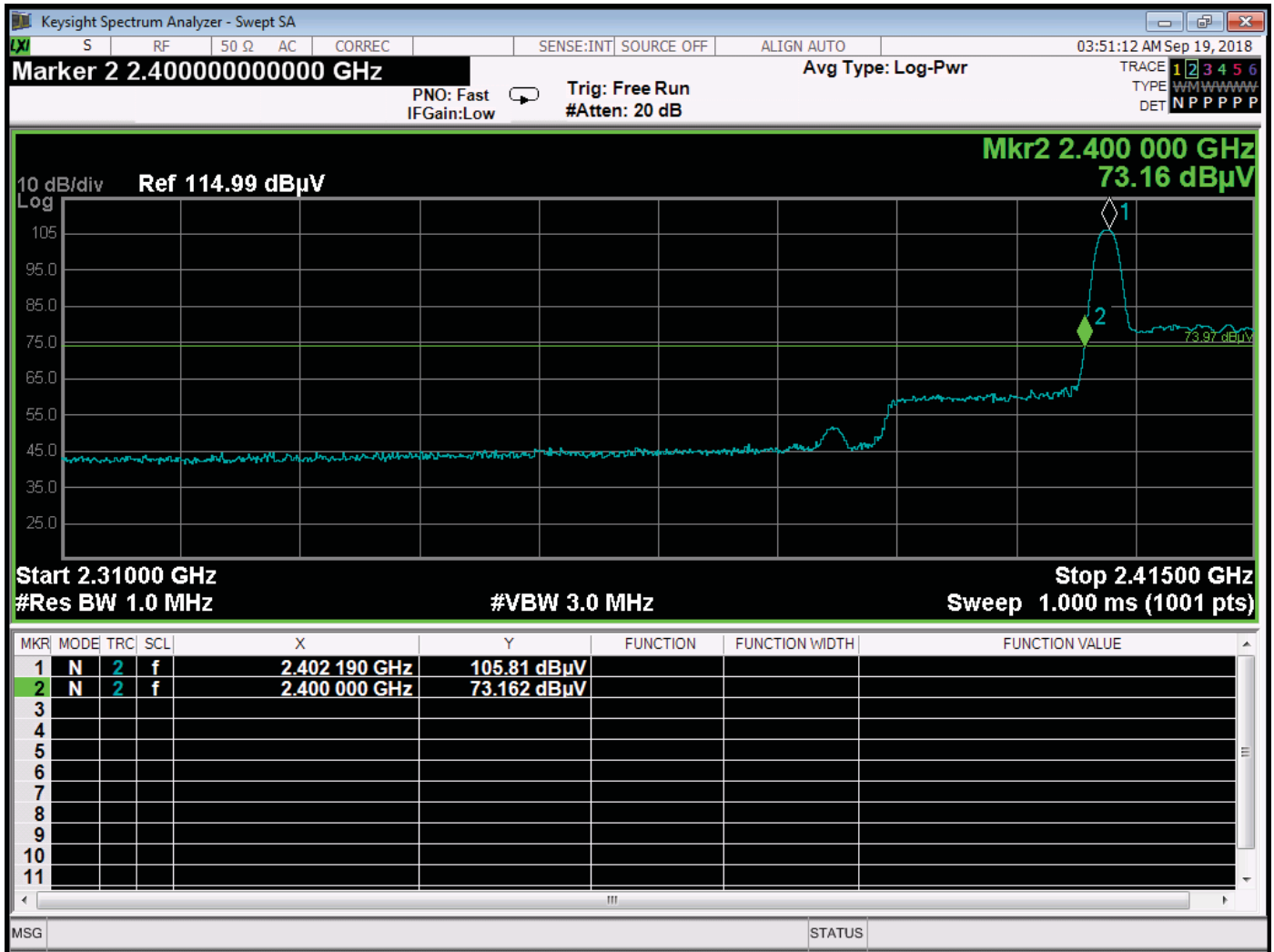


BE – 2480 MHz – Vertical – Y-Axis Worst Case – Frequency Hopping – Ethernet Mode – Class 2 Transformer Power

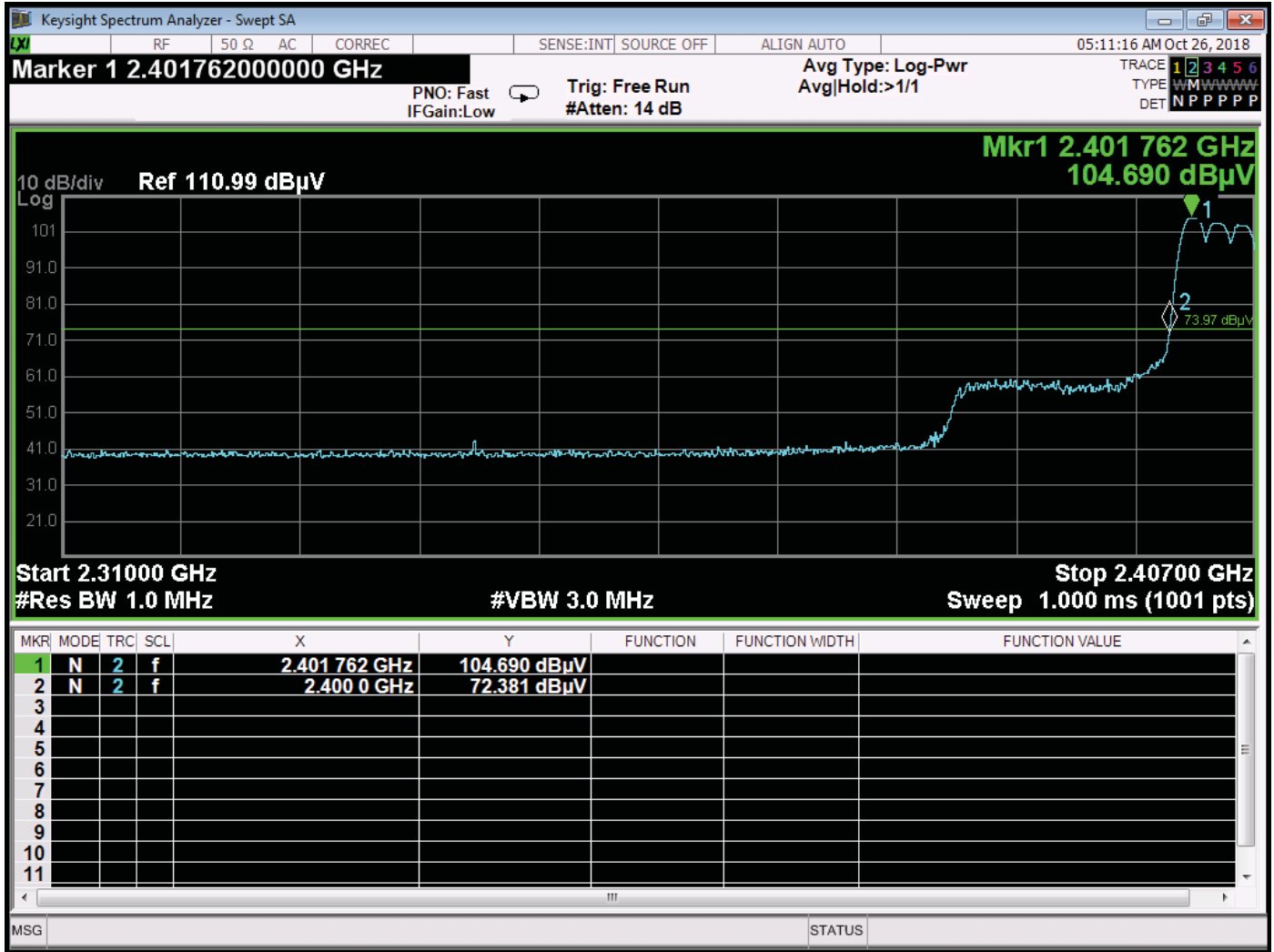




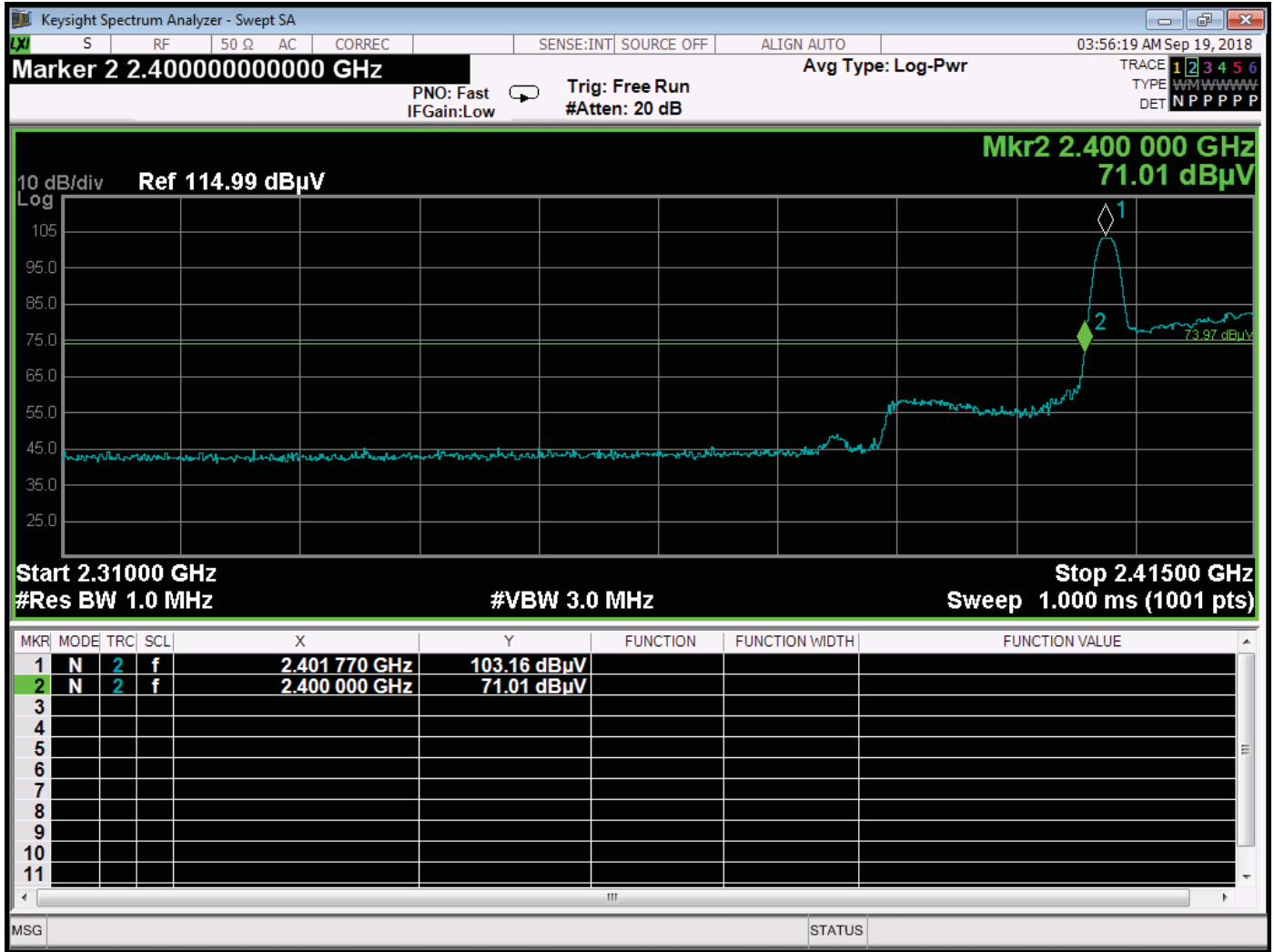




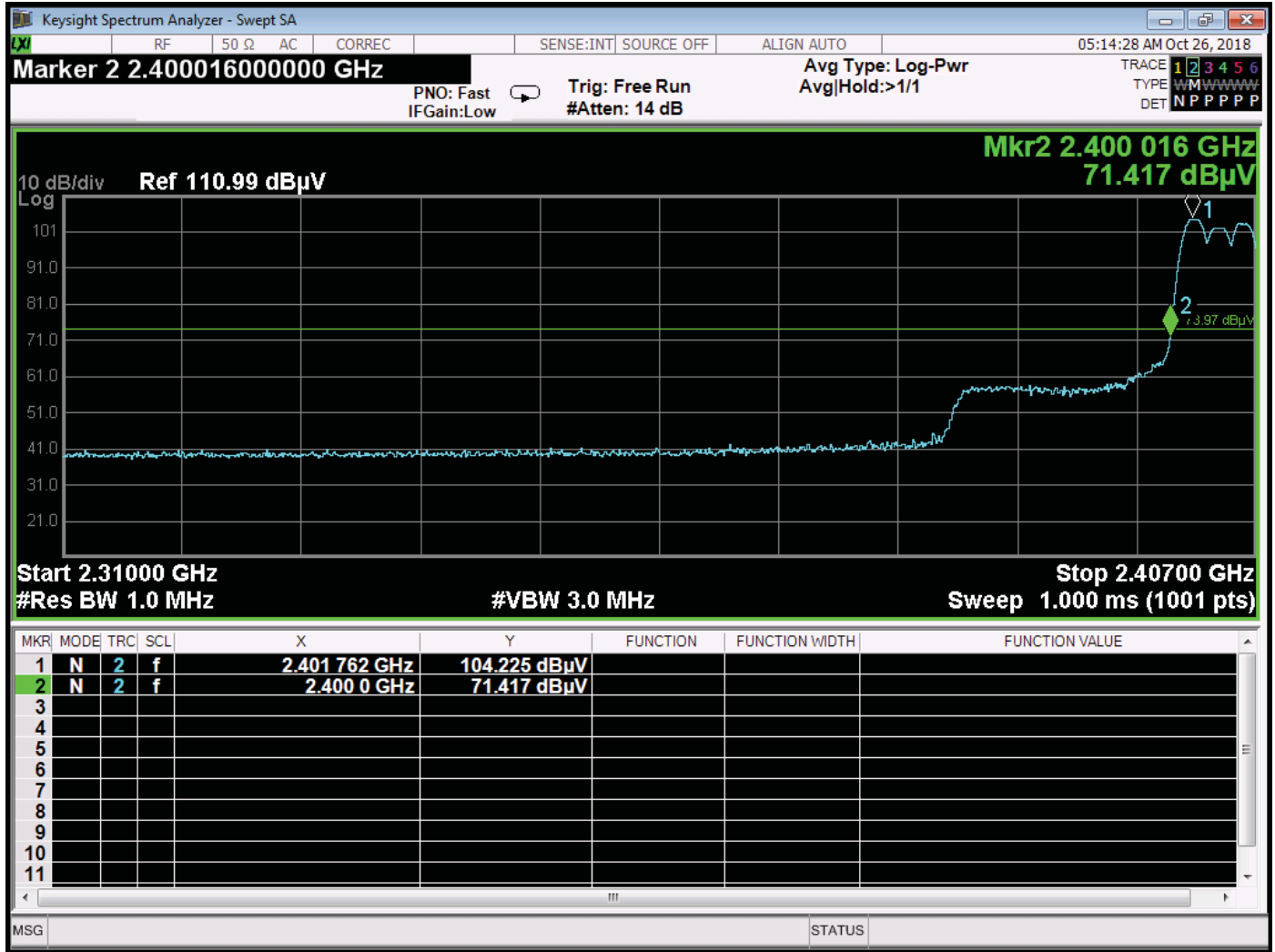
BE – 2402 MHz – Horizontal – Z-Axis Worst Case – Continuous Transmit – WiFi Mode – Actuator Power  
 Note: The emissions that are below 2400 MHz are from the WiFi Module itself and not subject to FCC 15.249 rules.



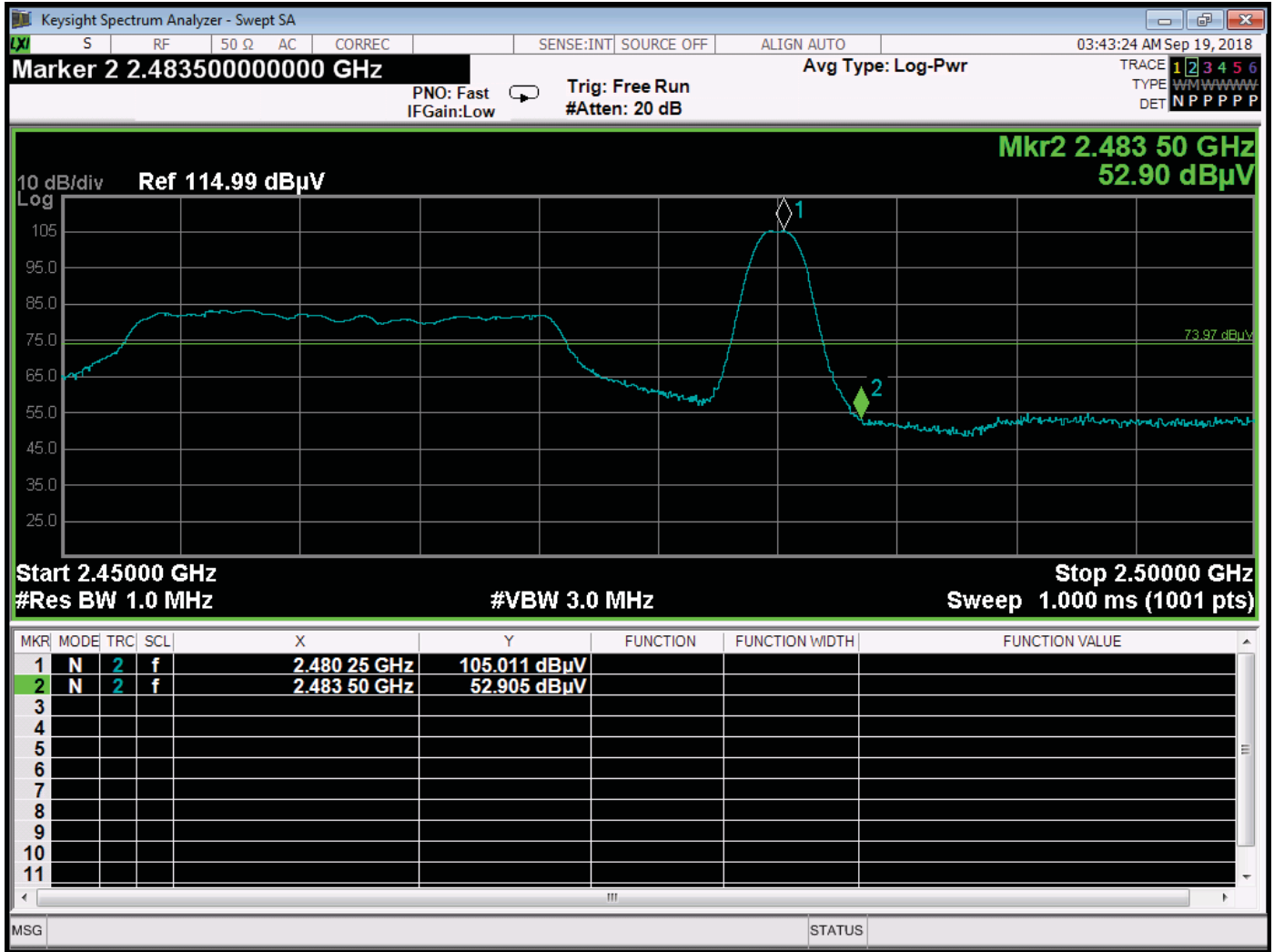
BE – 2402 MHz – Horizontal – Z-Axis Worst Case – Frequency Hopping – WiFi Mode – Actuator Power



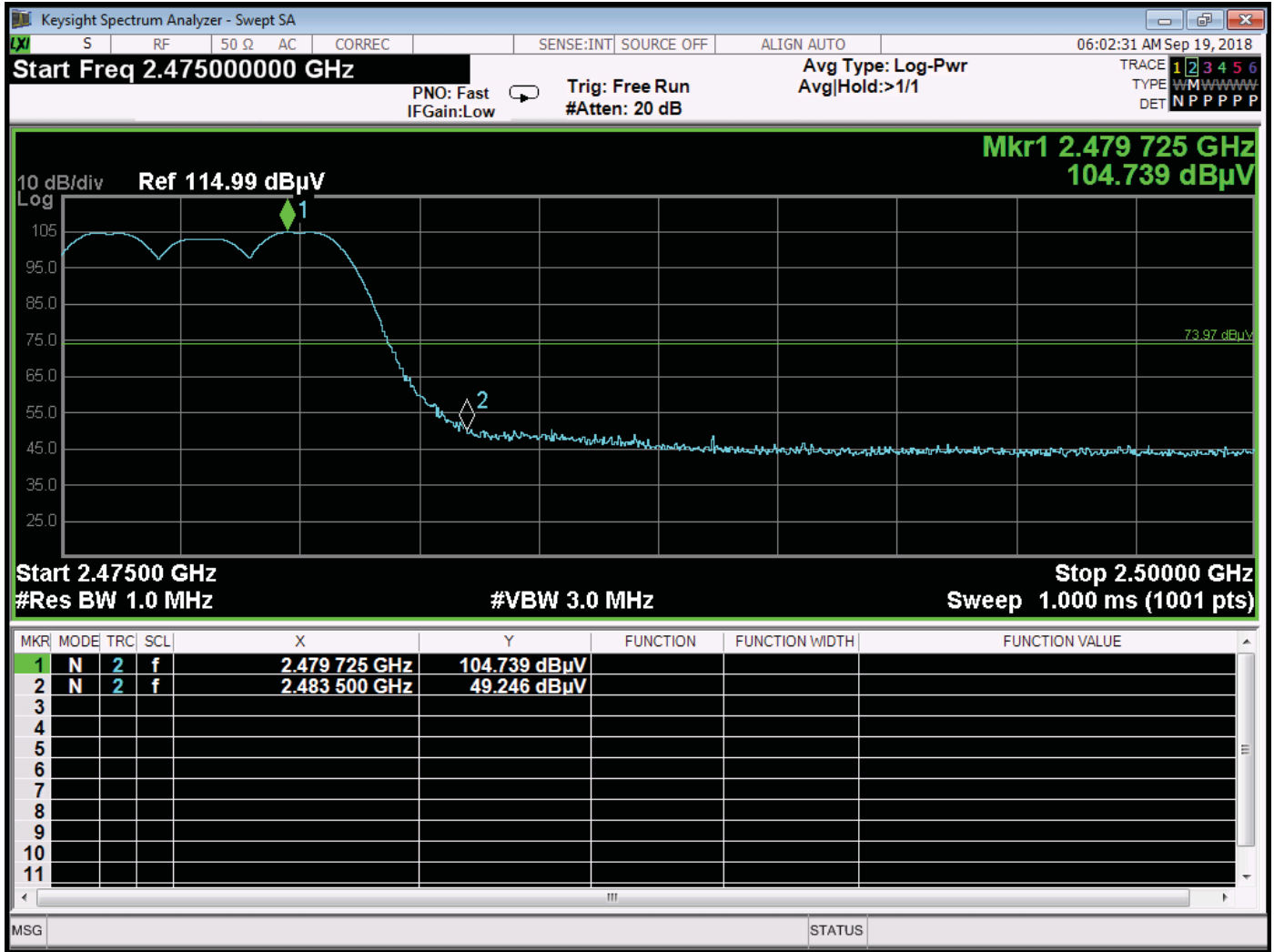
BE – 2402 MHz – Vertical – Y-Axis Worst Case – Continuous Transmit – WiFi Mode – Actuator Power  
 Note: The emissions that are below 2400 MHz are from the WiFi Module itself and not subject to FCC 15.249 rules.



BE – 2402 MHz – Vertical – Y-Axis Worst Case – Frequency Hopping – WiFi Mode – Actuator Power

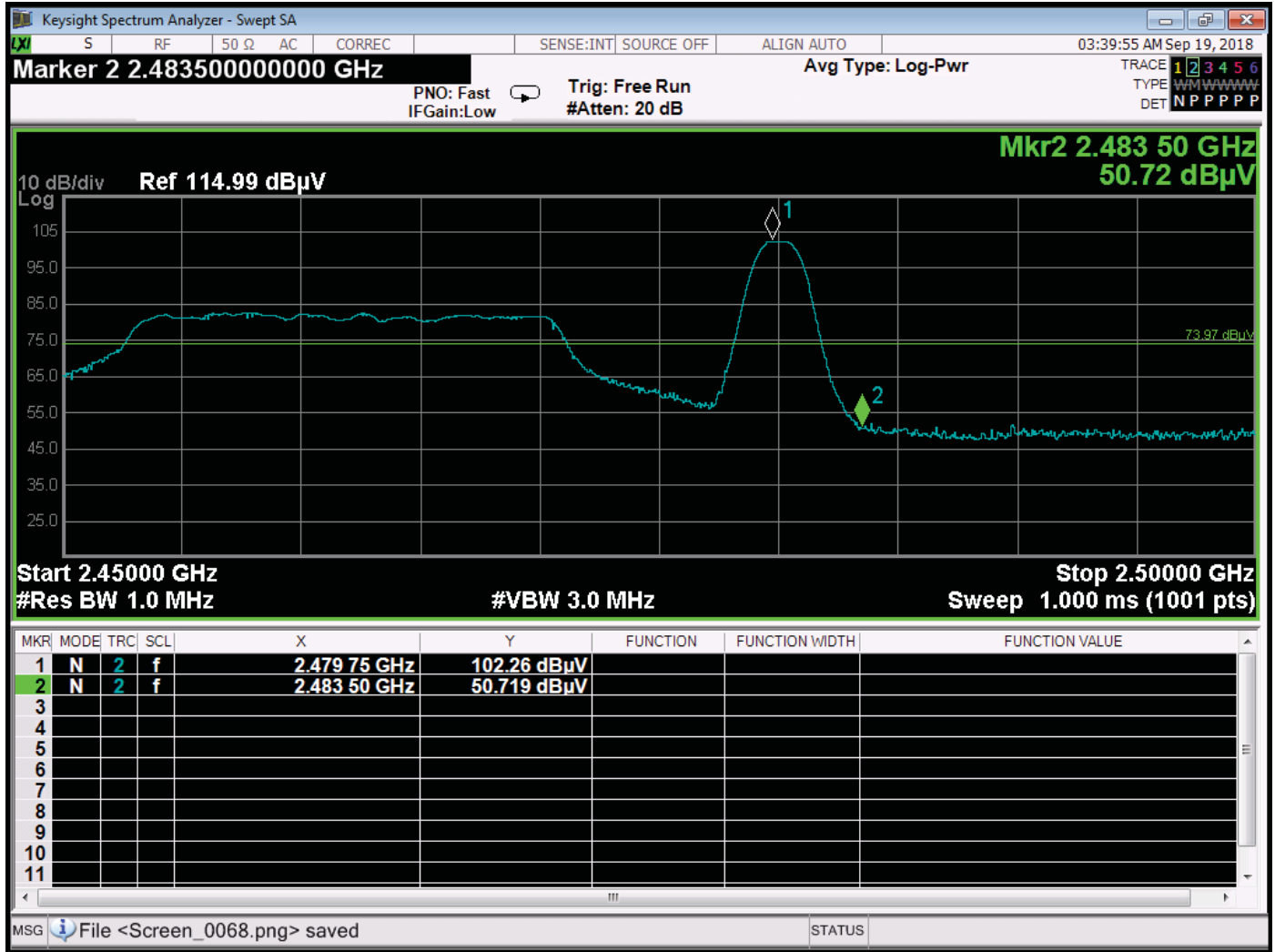


BE – 2480 MHz – Horizontal – X-Axis Worst Case – Continuous Transmit – WiFi Mode – Actuator Power

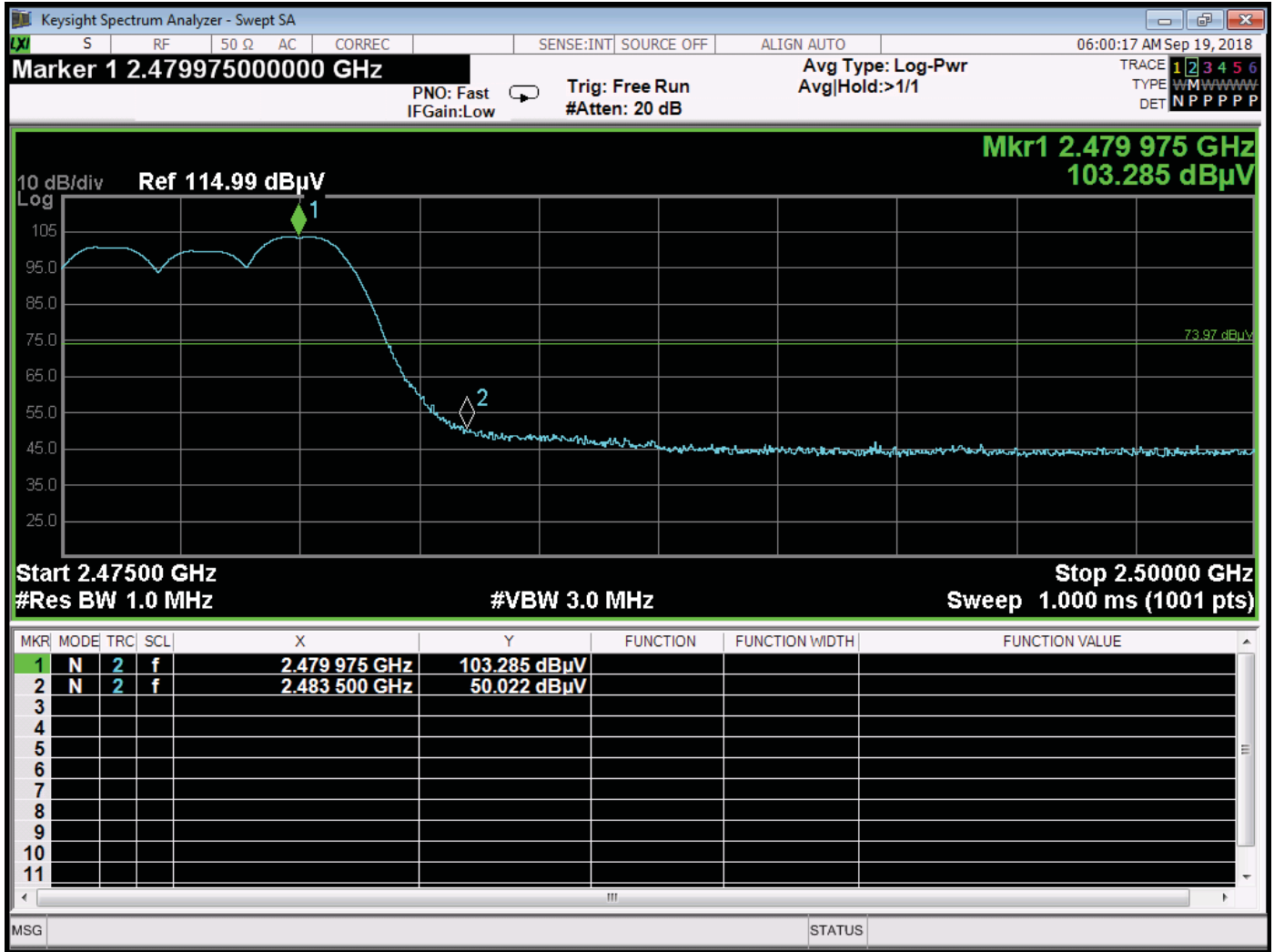


BE – 2480 MHz – Horizontal – X-Axis Worst Case – Frequency Hopping – WiFi Mode – Actuator Power





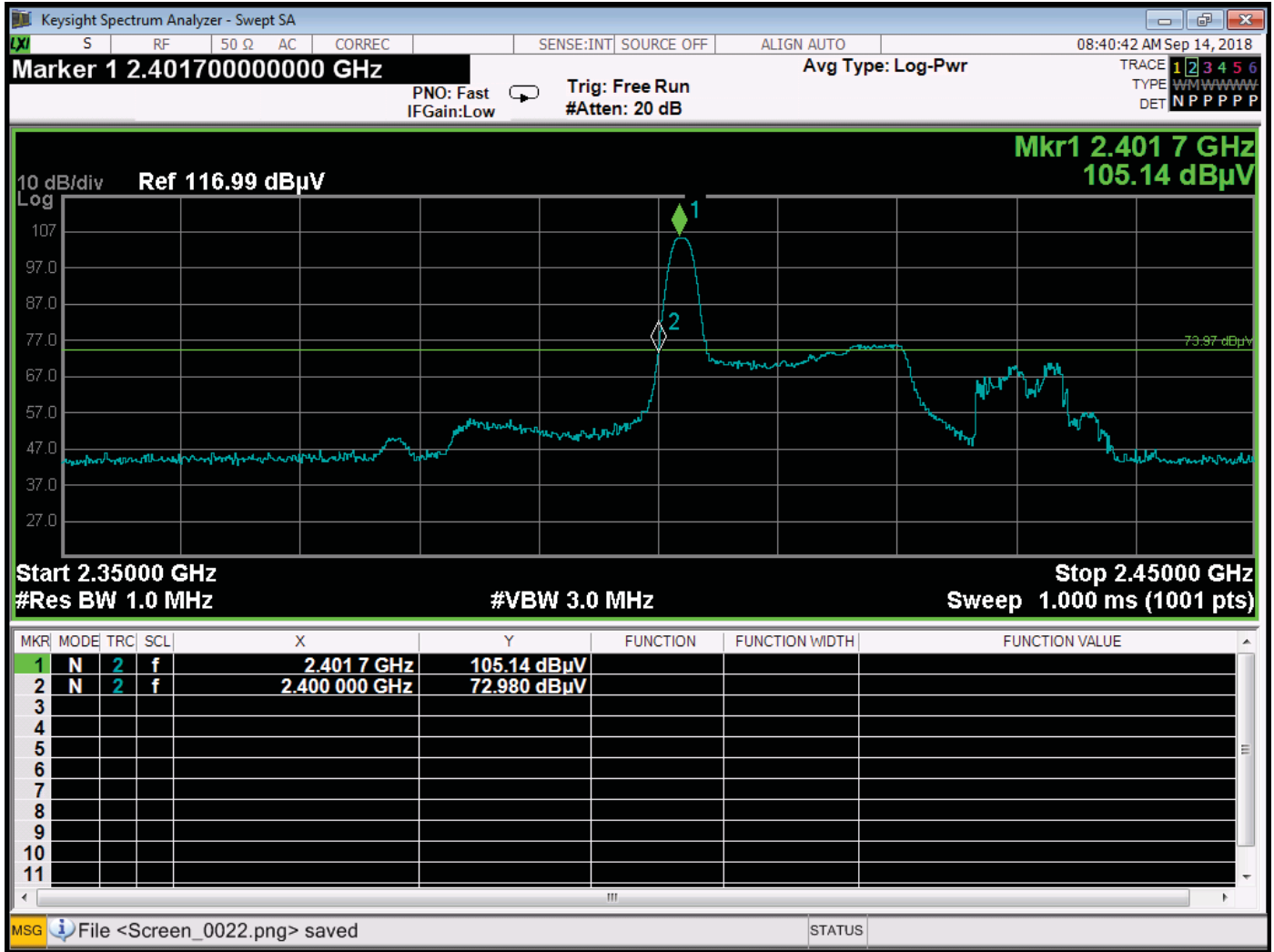
BE – 2480 MHz – Vertical – Y-Axis Worst Case – Continuous Transmit – WiFi Mode – Actuator Power



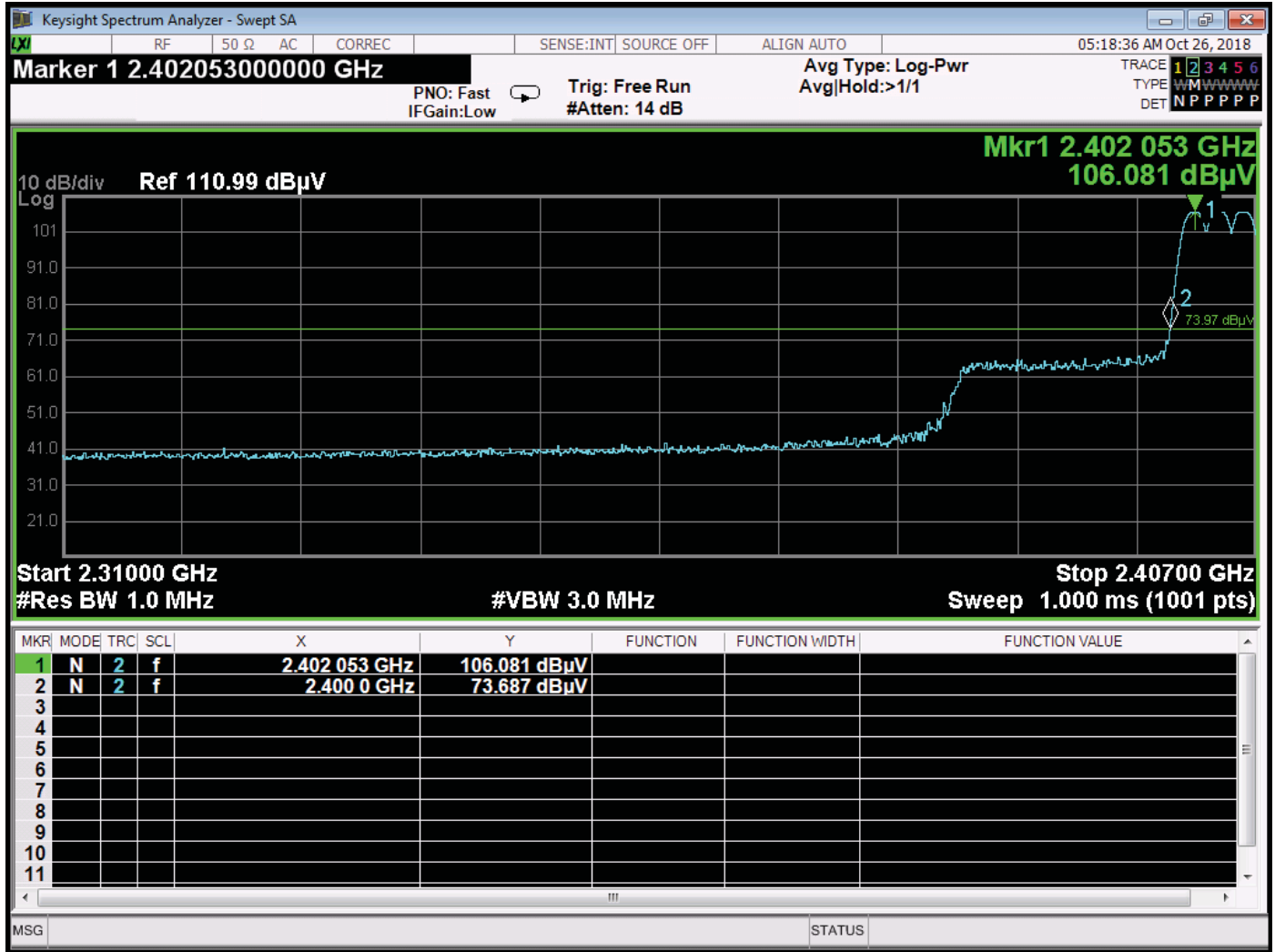
BE – 2480 MHz – Vertical – Y-Axis Worst Case – Frequency Hopping – WiFi Mode – Actuator Power



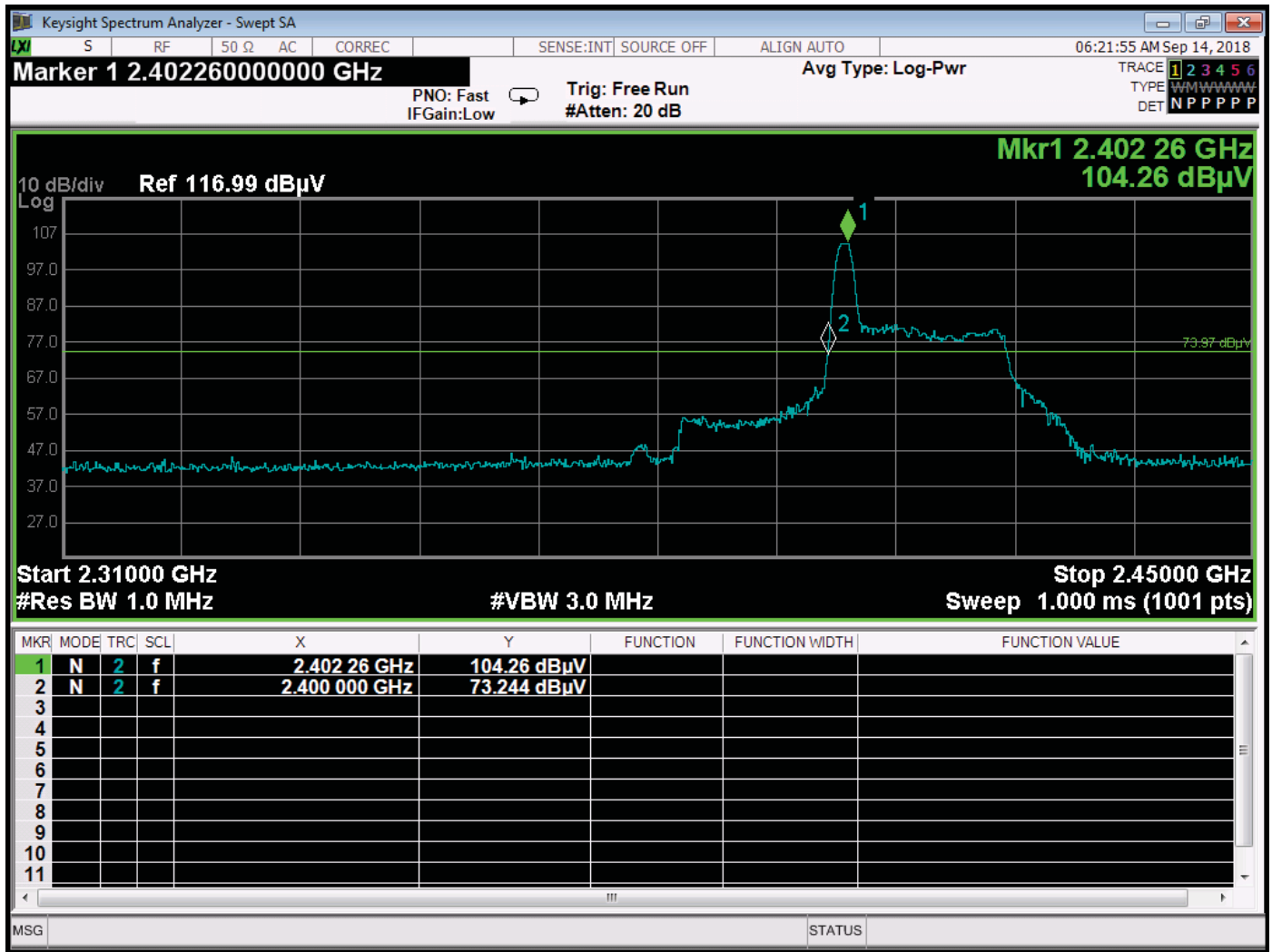




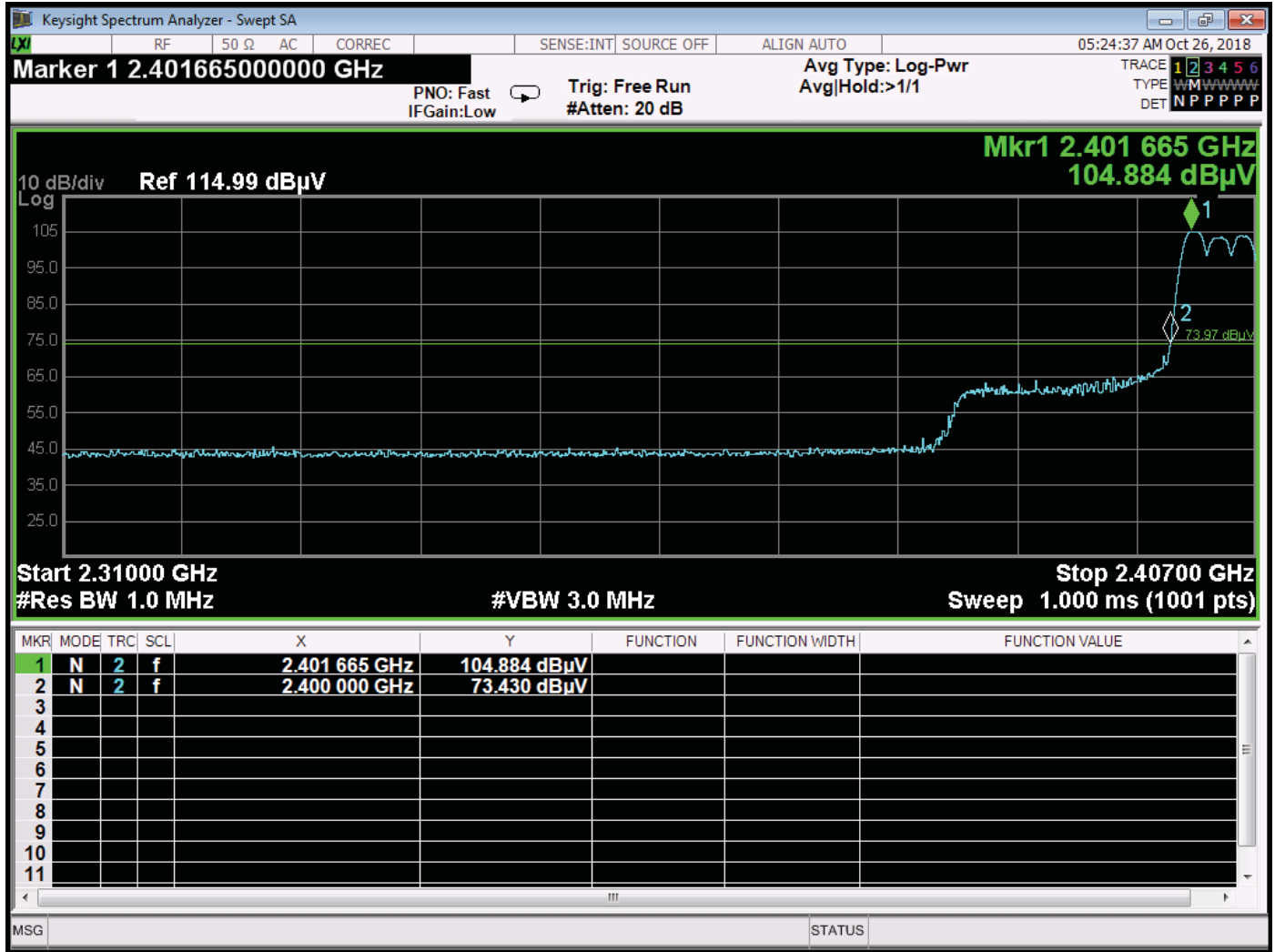
BE – 2402 MHz – Horizontal – Z-Axis Worst Case – Continuous Transmit – WiFi Mode – DC Power  
 Note: The emissions that are below 2400 MHz are from the WiFi Module itself and not subject to FCC 15.249 rules.



BE – 2402 MHz – Horizontal – Z-Axis Worst Case – Frequency Hopping – WiFi Mode – DC Power

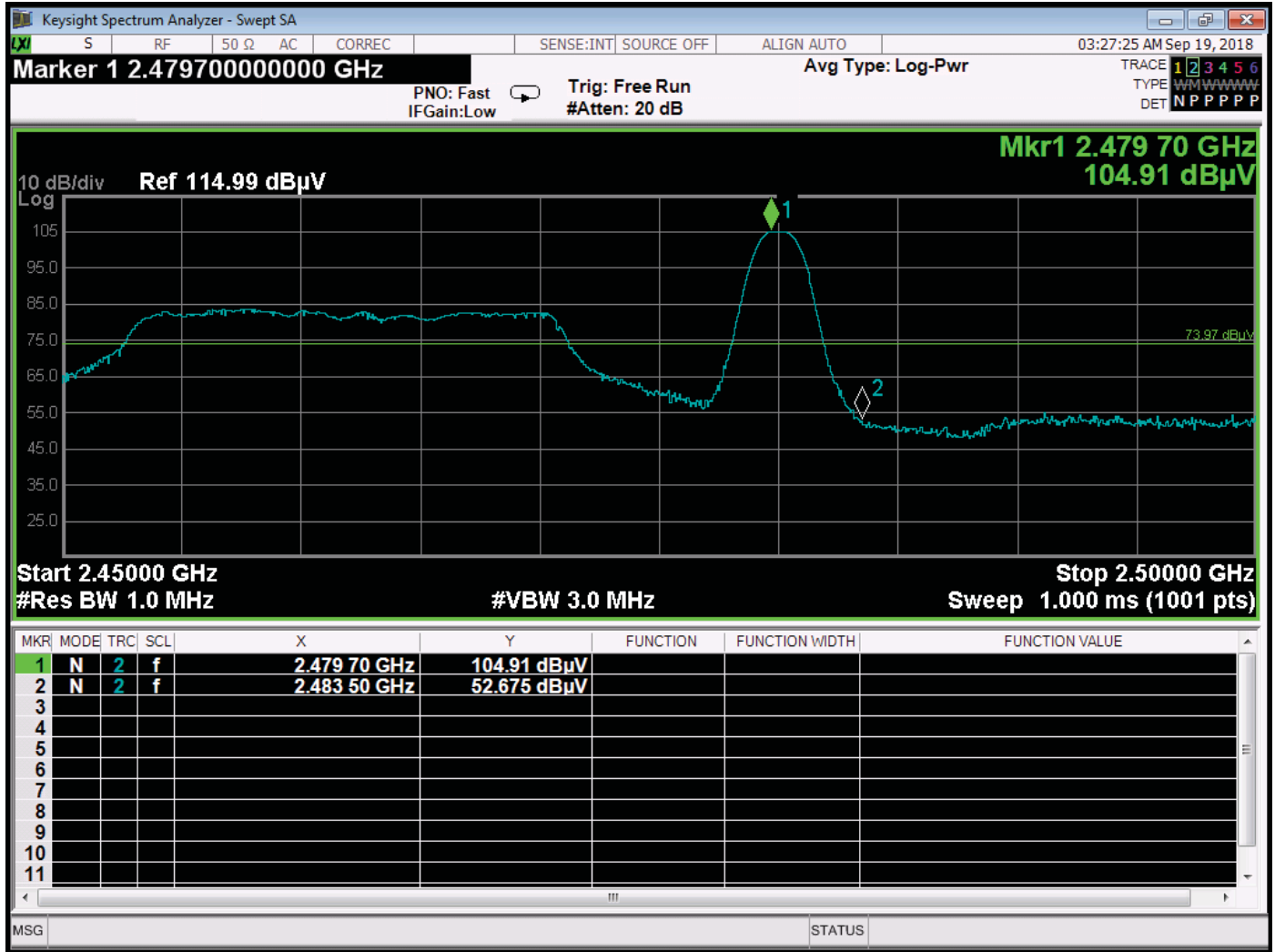


BE – 2402 MHz – Vertical – Y-Axis Worst Case – Continuous Transmit – WiFi Mode – DC Power  
 Note: The emissions that are below 2400 MHz are from the WiFi Module itself and not subject to FCC 15.249 rules.

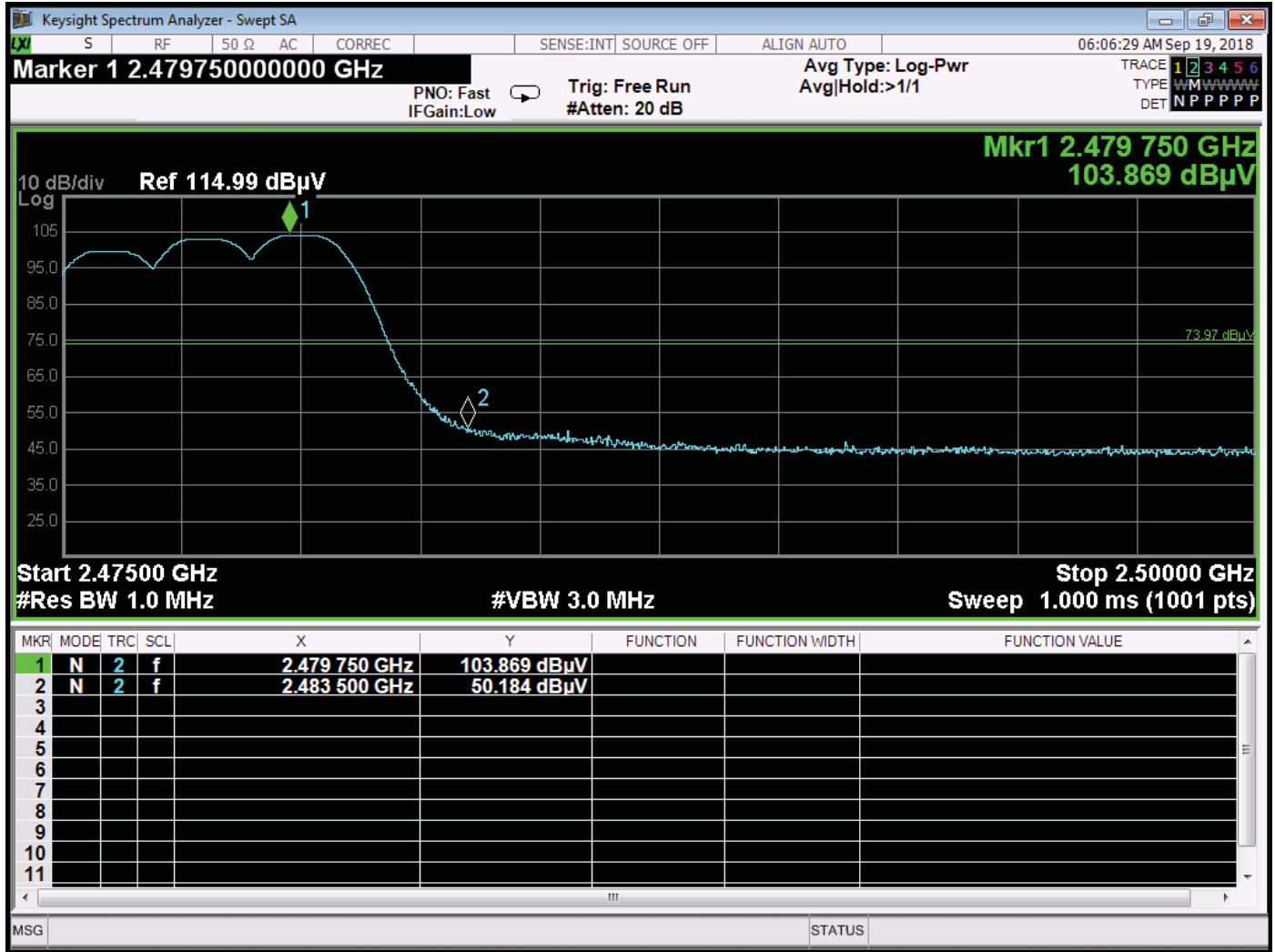


BE – 2402 MHz – Vertical – Y-Axis Worst Case – Frequency Hopping – WiFi Mode – DC Power

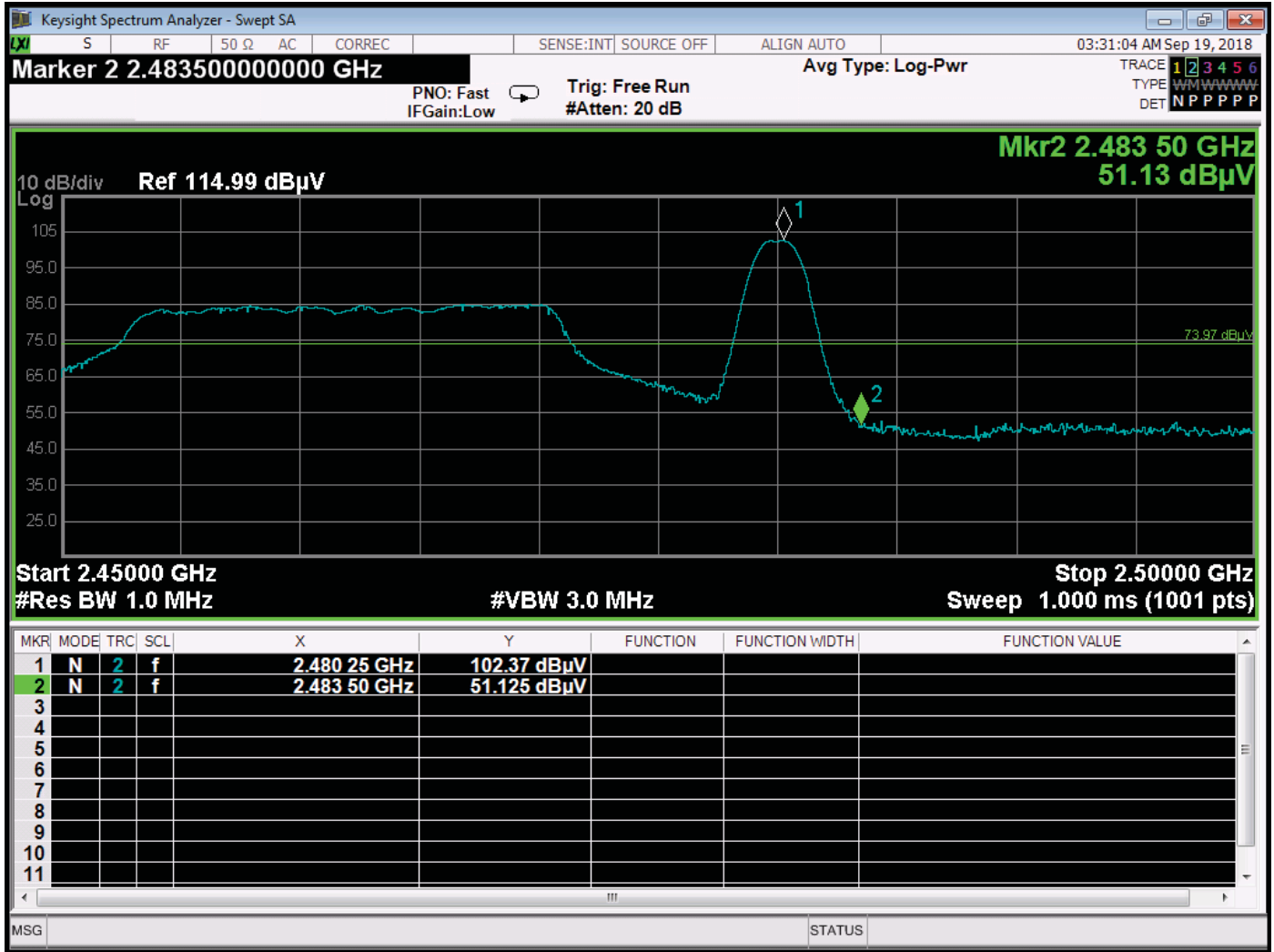




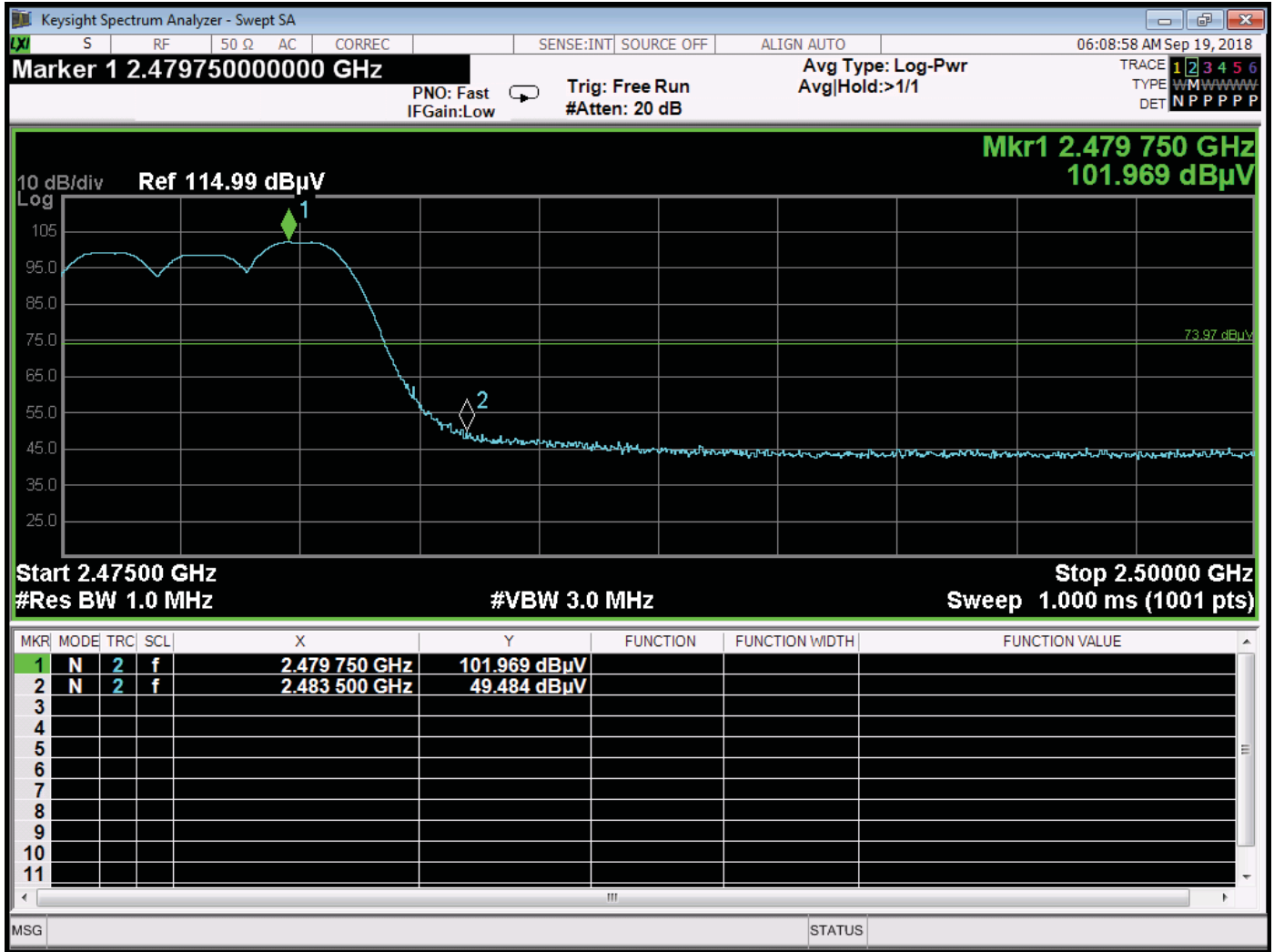
BE – 2480 MHz – Horizontal – X-Axis Worst Case – Continuous Transmit – WiFi Mode – DC Power



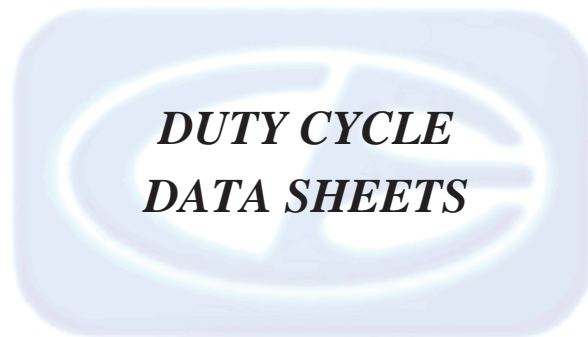
BE – 2480 MHz – Vertical – Y-Axis Worst Case – Frequency Hopping – WiFi Mode – DC Power

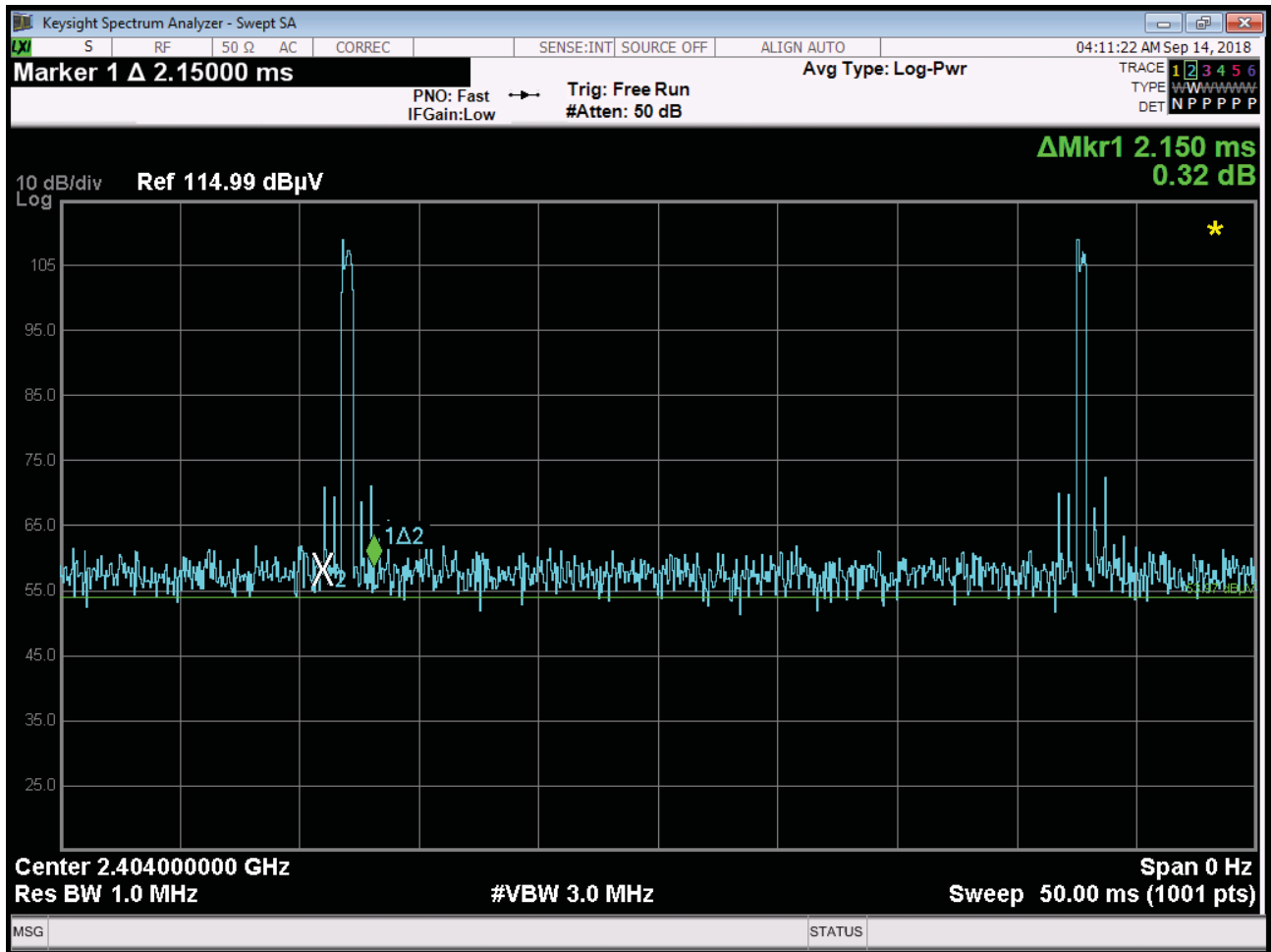


BE – 2480 MHz – Vertical – Y-Axis Worst Case – Continuous Transmit – WiFi Mode – DC Power

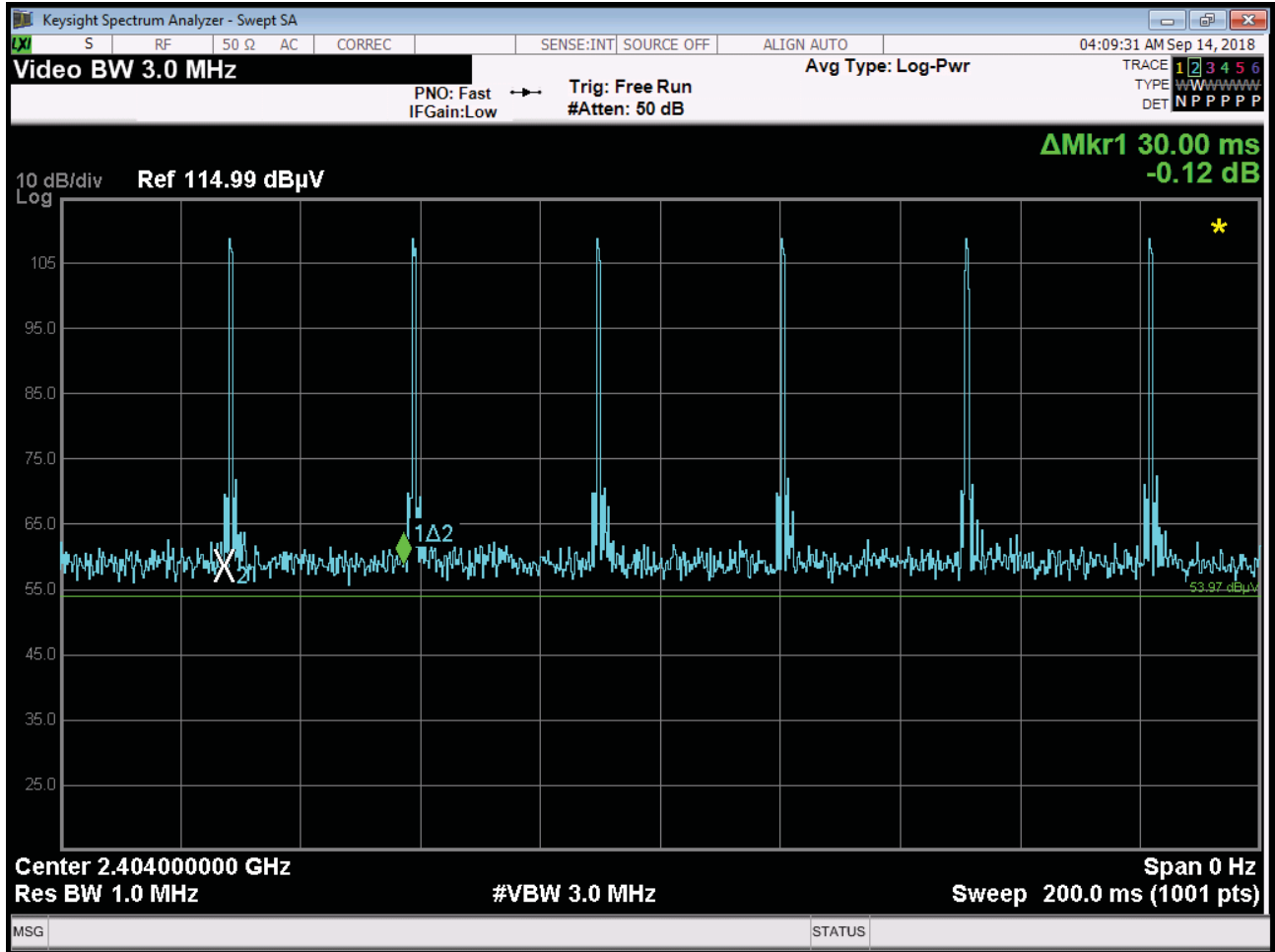


BE – 2480 MHz – Vertical – Y-Axis Worst Case – Frequency Hopping – WiFi Mode – DC Power

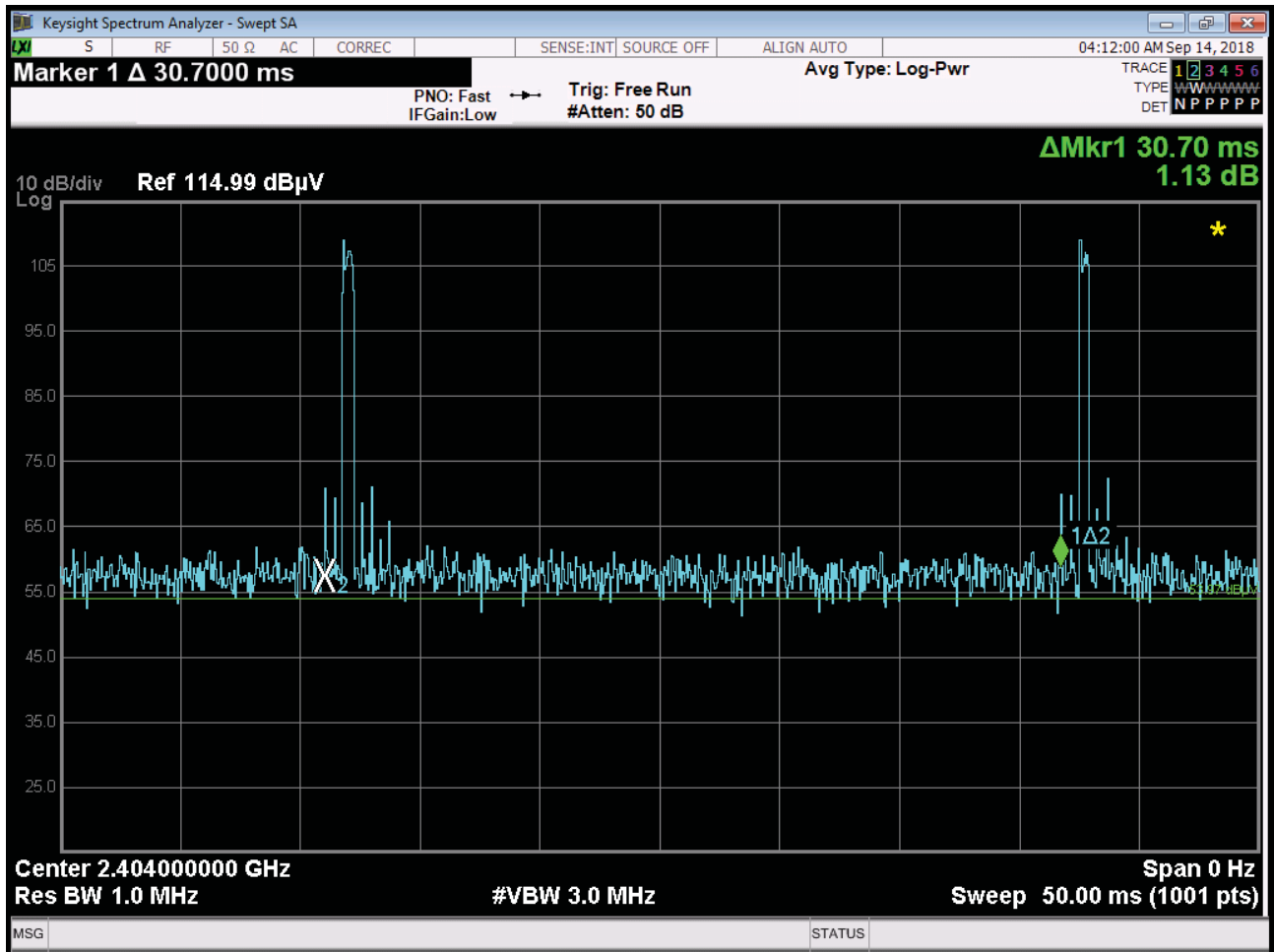




Time of One Pulse = 2.15 ms



Plot Showing the Pulses over a wide scale (200 ms)



Time Between Pulses = 30.70 ms

Duty Cycle = 2.15 ms / 30.7 ms = 7.003%

The maximum 20 dB peak to average ratio can be utilized.