

*FCC PART 15 SUBPART B & SUBPART C SECTION 15.247
RSS GEN, RSS 247
TEST REPORT*

For

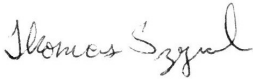
GOLF BALL WITH EMBEDDED ELECTRONICS
MODEL: CS GOLF ONE
FCC ID: 2BU5AIC1A1B1C
HVIN: IC1A1B1C
IC: 35407-IC1A1B1C

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DATE: MAY 1, 2026

	REPORT BODY	APPENDICES					TOTAL
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GENERAL REPORT SUMMARY

This electromagnetic emission report is generated by Compatible Electronics Inc., which is an independent testing and consulting firm. The test report is based on testing performed by Compatible Electronics personnel according to the measurement procedures described in the test specifications given below and in the "Test Procedures" section of this report.

The measurement data and conclusions appearing herein relate only to the sample tested and this report may not be reproduced in any form except in full, without the written permission of Compatible Electronics.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. government.

Device Tested: Golf Ball with Embedded Electronics
Model: CS Golf One
FCC ID: 2BU5AIC1A1B1C
IC: 35407-IC1A1B1C

Product Description: The Intellicore One is a handheld sports sensor that measures motion and impact data and transmits this information to a paired smartphone or tablet using Bluetooth Low Energy in the 2.4 GHz ISM band.

Dimensions: 1" diameter
Clock Frequency: 38.4 MHz

Modifications: The EUT was not modified during the testing in order to comply with the specifications.

Manufacturer: CHIP'd, Inc
29970 Technology Drive, Suite 102
Murrieta, CA 92563

Test Date: April 15, May 01, 08, 11 and 13, 2026

Test Specifications Covered by Accreditation:



Test Specifications: EMI requirements
FCC CFR Title 47, Part 15 Subpart B,
FCC CFR Title 47, Subpart C Sections 15.205, 15.207, 15.209 and 15.247
RSS GEN, RSS 247

Test Procedure: ANSI C63.4 & C63.10.

SUMMARY OF TEST RESULTS

TEST	DESCRIPTION	RESULTS
1	Conducted RF Emissions, 150 kHz – 30 MHz	This test was not performed because the EUT operates on battery power only
2	Spurious Radiated RF Emissions, 30 MHz – 1000 MHz	The EUT complies with the Class B limits of CFR Title 47, Part 15 Subpart B; the limits of CFR Title 47, Part 15, Subpart C, section 15.209; RSS-247 and RSS-GEN See section 6.4 for Measurement Uncertainty
3	Spurious Radiated RF Emissions, 9 kHz – 30 MHz and 1000 MHz – 25000 MHz	The EUT complies with the Class B limits of CFR Title 47, Part 15, Subpart B; CFR Title 47, Part 15, Subpart C, section 15.247(d); RSS-247 and RSS-GEN See section 6.4 for Measurement Uncertainty
4	Fundamental and Emissions produced by the intentional radiator in non-restricted bands, 9 kHz – 25 GHz	Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.247(d); RSS-247 and RSS-GEN
5	Emissions produced by the intentional radiator in restricted bands, 9 kHz – 25 GHz	Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.205, 15.209, section 15.247 (d); RSS-247 and RSS-GEN
6	DTS Bandwidth	Complies with the relevant requirements of FCC Title 47, Part 15, Subpart C, section 15.247 (a)(2); RSS-247
7	Maximum Conducted Output Power	Complies with the relevant requirements of FCC Title 47, Part 15, Subpart C, section 15.247 (b)(3); RSS-247
8	RF Conducted Antenna Test	Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.247 (d); RSS-247
9	Power Spectral Density from the Intentional Radiator to the Antenna	Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.247 (e); RSS-247
10	Variation of the Input Power	The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart A section 15.31 (e); and RSS-Gen
11	99% Bandwidth	This test was performed to obtain the emission designator required by Innovation, Science and Economic Development Canada.

1. PURPOSE

This document is a qualification test report based on the Electromagnetic Interference (EMI) tests performed on the Golf Ball with Embedded Electronics, Model: CS Golf One. The EMI measurements were performed according to the measurement procedure described in ANSI C63.4 and C63.10. The tests were performed in order to determine whether the electromagnetic emissions from the equipment under test, referred to as EUT (equipment under test) hereafter, are within the specification limits defined by the Code of Federal Regulations Title 47, Part 15 Subpart B sections, 15.107 and 15.109, & Part 15 Subpart C sections 15.205, 15.207, 15.209 15.247; RSS-247 and RSS-GEN.

1.1 Decision Rule & Risk

If a measured value exceeds a specification limit it implies non-compliance. If the value is below a specification limit it implies compliance. Measurement uncertainty of the laboratory is reported with all measurement results but generally not taken into consideration unless a standard, rule or law requires it to be considered.

Qualification test reports are only produced for products that are in compliance with the test requirements, therefore results are always in conformity. Otherwise, an engineering report or just the data is provided to the customer.

When performing a measurement and making a statement of conformity, in or out-of-specification to manufacturer's specifications or Pass/Fail against a requirement, there are two possible outcomes:

- The result is reported as conforming with the specification
- The result is reported as not conforming with the specification

The decision rule is defined below.

When the test result is found to be below the limit but within our measurement uncertainty of the limit, it is our policy that the final acceptance decision is left to the customer, after discussing the implications and potential risks of the decision.

When the test result is found to be exactly on the specification, it is our policy, in the case of unwanted emissions measurements to consider the result non-compliant, however, the final decision is left to the customer, after discussing the implications and potential risks of the decision.

When the test result is found to be over the specification limit under any condition, it is our policy to consider the result non-compliant.

In terms of uncertainty of measurement, the laboratory is a calibrated and tightly controlled environment and generally exceptionally stable, the measurement uncertainties are evaluated without the consideration of the test sample. When it comes to the test sample however, as most testing is performed on a single sample rather than a sample population, and that sample is often a pre-production representation of the final product, that test sample represents a significantly higher source of measurement uncertainty. We advise our customers of this and that when in doubt (small test to limit margins), they may wish to perform statistical sampling on a population to gain a higher confidence in the results. All lab reported results are that of a single sample in any event.

2. ADMINISTRATIVE DATA**2.1 Location of Testing**

The emissions tests described herein were performed at the test facility of Compatible Electronics, 20621 Pascal Way, Lake Forest, California 92630.

2.2 Traceability Statement

The calibration certificates of all test equipment used during the test are on file at the location of the test. The calibration is traceable to the National Institute of Standards and Technology (NIST).

2.3 Cognizant Personnel

Universal Electronics, Inc.

Anil Agarwal CTO

Compatible Electronics, Inc.

Andrew Nimeh Test Technician
Tom Szynal Test Engineer

2.4 Date Test Sample was received

The test sample was received prior to the initial test date.

2.5 Disposition of the Test Sample

The test sample remains at Compatible Electronic, Inc. as of the date of this report.

2.6 Abbreviations and Acronyms

The following abbreviations and acronyms may be used in this document.

RF	Radio Frequency
EMI	Electromagnetic Interference
EUT	Equipment Under Test
P/N	Part Number
S/N	Serial Number
HP	Hewlett Packard
ITE	Information Technology Equipment
NVLAP	National Voluntary Laboratory Accreditation Program
CML	Corrected Meter Limit
LISN	Line Impedance Stabilization Network
NCR	No Calibration Required
RX	Receive
TX	Transmit
PCB	Printed Circuit Board
GFSK	Gaussian Frequency-shift Keying
FCC	Federal Communications Commission
RSS	Radio Standards Specifications

3. APPLICABLE DOCUMENTS

The following documents are referenced or used in the preparation of this EMI Test Report.

SPEC	TITLE
FCC Title 47, Part 15 Subpart C	FCC Rules – Radio frequency devices (including digital devices) – Intentional Radiators
FCC Title 47, Part 15 Subpart B	FCC Rules – Radio frequency devices (including digital devices) – Unintentional Radiators
558074 D01 DTS Meas Guidance v05 r02	Guidance for Performing Compliance Measurements on Digital Transmissions Systems (DTS) Operating Under Section 15.247
RSS-247 Issue 4: July 2025	Digital Transmission Systems, Frequency Hopping Systems and Licence-Exempt Local Area Network Devices in 902-928 MHz, 2400-2483.5 MHz, 5150-5350 MHz and 5470-5895 MHz bands
RSS-Gen Issue 5: 2018 + Amendment 1: 2019 +Amendment 2: 2021	General Requirements for Compliance of Radio Apparatus
ANSI C63.4 2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024	American National Standard for Testing Unlicensed Wireless Devices

4. DESCRIPTION OF TEST CONFIGURATION

4.1 Description of Test Configuration – EMI

The Golf Ball with Embedded Electronics, Model: CS GOLF ONE (EUT) was battery powered and had no external cables. The EUT was transmitting BLE on a continuous basis, fixed at GFSK modulation, 1 Mbps data rate. The firmware/software used to exercise the EUT during testing is Silicon Labs, Model: Radio Test DrlzFastApp, Version: v2.0 in accordance with the EFR32BG22 feature set. For testing, the software was set to BLE LE 1M (1 Msps GFSK).

The EUT was placed into a continuous transmit test mode using manufacturer-supplied engineering firmware/software on the host laptop. Continuous transmission at 2402 MHz, 2440 MHz, and 2480 MHz was enabled solely for compliance measurements. This test configuration is not available to the end user under normal operating conditions.

The EUT was tested for emissions while in the X, Y and Z axis:

During X-axis testing, the Front-to-Back axis of the EUT was oriented vertically relative to the chamber ground plane.

During Y-axis testing, the Top-to-Bottom axis was oriented vertically.

During Z-axis testing, the Left-to-Right axis was oriented vertically.

The final radiated emissions data for the EUT was taken in the configuration described above. Please see Appendix E for the data sheets.

4.1.1. Photograph of Test Configuration



4.1.2 Photograph of Test Configuration (Continued)



X-Axis (Front-Back)



Y-Axis (Top-Bottom)



Z-Axis (Left-Right)

4.1.3 Cable Construction and Termination

No cables were connected to the EUT.

5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT**5.1 EUT and Accessory List**

EQUIPMENT	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	IDENTIFICATIONS
Golf Ball with Embedded Electronics (EUT)	CHIP'd, Inc	CS GOLF ONE	9418	FCC: 2BU5AIC1A1B1C IC: 35407-IC1A1B1C
Laptop*	Lenovo	Legion 5 15IMH05	PF36NNMP	N/A
Bluetooth Firmware	Silicon Labs	EFR32BG22 Feature Set	N/A	DrlzFastApp, Version: v2.0

* The laptop was used to program the EUT only and was removed from the test setup after the EUT was programmed.



5.2 EMI Test Equipment

EQUIPMENT TYPE	MANU-FACTURER	MODEL NUMBER	SERIAL NUMBER	CAL. DATE	CAL. DUE DATE
Thermometer & Hygrometer	Davis Instruments	6312C	A120626P010	16/16/2024	12/16/2027
Computer	Compatible Electronics	NONE	NONE	NCR	NCR
EMI Receiver	Keysight Technologies	N9038A	MY56400077	01/05/2026	01/05/2027
CombiLog Antenna	Com-Power	ACL-6000	10350010	09/23/2025	09/23/2027
Loop Antenna	Electro-Metrics	ALR-25M	726	03/04/2025	03/04/2027
Horn Antenna	Com-Power	AH-118	10050347	10/21/2025	10/21/2026
Horn Antenna with Preamp	Com-Power	AHA-840H	10340001	08/09/2024	08/09/2026
Preamplifier 1-1000 MHz	Com-Power	PAM-103A	18020182	11/18/2025	11/18/2026
Preamplifier 1-18 GHz	Com-Power	PAM-118A	18080000	10/21/2025	10/21/2026
Below 1 GHz Cable	N/A	RG-214	Asset 5020 and 5566	01/14/2026	01/14/2027
Above 1 GHz Cable	WithWave	WT400-KM1KM1-10M-T	Asset 5284	11/12/2024	11/12/2026
Above 1 GHz Cable	Junkosha	MWX342-00610KMSK MS/B	Asset 5267	11/11/2024	11/11/2026
Notch Filter	Microwave Circuits, Inc.	N012411	509784 DC 2303	11/08/2024	11/08/2026
LISN (EUT)	Com-Power	LI-220C	20070061	05/16/2025	05/16/2026
LISN (ACCY)	Com-Power	LI-220C	20070059	08/04/2025	08/04/2026
10 dB Attenuator	Aeroflex/Weinshchel	2-10	BX9279	NCR	NCR
Mast, Antenna Positioner	Sunol Science Corporation	SC104V	020808-1	NCR	NCR
Antenna Mast	Sunol Science Corporation	TWR 95-4	020808-3	NCR	NCR
Turntable	Sunol Science Corporation	FM2001	NONE	NCR	NCR
Power Supply	Chroma	61511	615114800078	NCR	NCR

5.3 Test Software

LAB(S)	SOFTWARE TITLE	MANUFACTURER	VERSION
P, R	Measurement and Automation Software	TDK Test Lab	12.12

6. TEST SITE DESCRIPTION

6.1 Test Facility Description

All the radiated emissions measurements were performed in a semi-anechoic chamber.

6.2 EUT Mounting, Bonding and Grounding

The EUT was mounted on a 0.6 by 1.2-meter by 0.8 meters high non-conductive table for below 1 GHz which was placed on the ground plane. For above 1 GHz, the EUT was mounted 1.5 meters above the ground plane.

6.3 Facility Environmental Characteristics

When applicable refer to the data sheets in Appendix E for the relative humidity, air temperature and barometric pressure.

6.4 Measurement Uncertainty

“Compatible Electronics” U_{lab} value is less than U_{cispr} , thus based on this – compliance is deemed to occur if no measured disturbance exceeds the disturbance limit

$$u_c(y) = \sqrt{\sum_i c_i^2 u^2(x_i)}$$

Measurement		U_{cispr}	$U_{lab} = 2 u_c(y)$
Conducted disturbance (mains port)	(150 kHz – 30 MHz)	3.6 dB	2.72 dB
Radiated disturbance (electric field strength on an open area test site or alternative test site)	(30 MHz – 1000 MHz)	6.3 dB	3.39 dB
Radiated disturbance (electric field strength on an open area test site or alternative test site)	(1 GHz - 18 GHz)	5.2 dB	3.67 dB
Radiated disturbance (electric field strength on an open area test site or alternative test site)	(18 GHz – 26.5 GHz)	N/A	3.09 dB
Radiated disturbance (electric field strength on an open area test site or alternative test site)	(26.5 GHz – 40 GHz)	N/A	3.20 dB

7. CHARACTERISTICS OF THE TRANSMITTER

7.1 Channel Number and Frequencies

The Golf Ball with Embedded Electronics, Model: CS GOLF ONE was tested operating on 3 channels: Low, Mid, High. The internal PLL multiplies the 38.4 MHz reference to generate the 2.4 GHz carrier frequencies with 1 MHz channel spacing across the BLE advertising and data channels from 2402 MHz to 2480 MHz.

Channel 0 - 2402-MHz
Channel 19 - 2440-MHz
Channel 39 - 2480 MHz

7.2 Antenna Gain

The antenna is an integrated conformal inverted-F antenna (IFA) implemented on spherical PCB substrate, nominal peak gain 0 dBi, permanently attached, no external antenna port. The 0 dBi antenna gain is based on manufacturer-provided specifications and remains the responsibility of the applicant/manufacture.

8. TEST PROCEDURES

The following sections describe the test methods and the specifications for the tests. Test results are also included in this section.

8.1 RF Emissions

8.1.1 Conducted Emissions Test

Test Results:

The EUT is battery powered; thus, this test was not performed. If it were applicable, the following procedure would be followed:

The EMI Receiver was used as a measuring meter. A 10-dB attenuation pad was used for the protection of the EMI Receiver input stage. All factors associated with attenuator and cables were recorded into the EMI Software Program accordingly to display the actual corrected measured level. The LISN output was connected to the input of the EMI Receiver. The second LISN output was terminated with a 50-ohm terminator. The effective measurement bandwidth used for the conducted emissions test was 9 kHz.

Please see section 6.2 of this report for mounting, bonding, and grounding of the EUT. The EUT received its power through the LISN, which was bonded to the ground plane. The EUT was set up with the minimum distances from any conductive surfaces as specified in ANSI. The excess power cord was wrapped in a figure eight pattern to form a bundle not exceeding 0.4 meters in length.

The initial test data was taken in manual mode while scanning the frequency ranges of 0.15 MHz to 30 MHz. The conducted emissions from the EUT were maximized for operating mode as well as cable placement. Once a predominant frequency (within 12 dB of the limit) was found, it was more closely examined with the spectrum analyzer span adjusted to 1 MHz.

The final data was collected under program control by the computer in several overlapping sweeps by running the EMI Receiver at a minimum scan rate of 10 seconds per octave.

8.1.2 Radiated Emissions (Harmonics and Spurious) Test

The EMI receiver was used as a measuring meter. The receiver was used in the peak detect mode with the "Max Hold" feature activated. In this mode, the receiver records the highest measured reading over all the sweeps.

For spurious emissions, the quasi-peak detector was used for frequencies below 1GHz and the average detector was used for frequencies above 1 GHz.

The measurement bandwidths and transducers used for the radiated emissions test were:

FREQUENCY RANGE (MHz)	TRANSDUCER	EFFECTIVE MEASUREMENT BANDWIDTH
.009 to .150	Active Loop Antenna	200 Hz
.150 to 30	Active Loop Antenna	9 kHz
30 to 1000	Combilog Antenna	100 kHz (120kHz for QP Measurements)
1000 to 25000	Horn Antenna	1 MHz

The TDK FAC-3 shielded test chamber of Compatible Electronics, Inc. was used for radiated emissions testing. This test site is in full compliance with ANSI C63.4 & ANSI C63.10. Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The turntable supporting the EUT is remote controlled using a motor. The turntable permits EUT rotation of 360 degrees in order to maximize emissions. Also, the antenna mast allows height variation of the antenna from 1 meter to 4 meters. Data was collected in the worst case (highest emission) configuration of the EUT. At each reading, the EUT was rotated 360 degrees and the antenna height was varied from 1 to 4 meters in both vertical and horizontal polarizations (for E field radiated field strength).

Test Results:

The EUT complies with the limits of CFR Title 47 Part 15 Subpart C sections 15.205, 15.209 and 15.247; and RSS-247, RSS-GEN. The six highest emissions are listed in Table 1.

8.1.3 RF Emissions Test Results

Table 1 Radiated EMISSION RESULTS
Golf Ball with Embedded Electronics, MODEL: CS GOLF ONE

Frequency MHz	Corrected Reading* dB μ V/m	Specification Limit dB μ V/m	Delta (Cor. Reading – Spec. Limit) dB
31.50 V	36.41 #	40.00	-3.59
31.00 V	35.17 #	40.00	-4.83
32.50 V	34.31 #	40.00	-5.69
33.40 V	33.99 #	40.00	-6.01
30.90 V	33.71 #	40.00	-6.29
32.10 V	33.15 #	40.00	-6.85

Notes:

- * The complete emissions data is given in Appendix E of this report.
- ** The factors for the antenna are attached in Appendix D of this report.
- # Quasi-Peak Reading
- A Average Reading
- L Line Reading
- N Neutral Reading
- V Vertical Reading
- H Horizontal Reading

8.1.4 Sample Calculations

A correction factor for the antenna, cable and a distance factor (if any) must be applied to the meter reading before a true field strength reading can be obtained. This Corrected Meter Reading is then compared to the specification limit in order to determine compliance with the limits.

Conversion to logarithmic terms: Specification limit (μ V/m) $\log \times 20$ = Specification Limit in dBuV/m

To correct for distance when measuring at a distance other than the specification

For measurements below 30 MHz: (Specification distance / test distance) $\log \times 40$ = distance factor

For measurements above 30 MHz: (Specification distance / test distance) $\log \times 20$ = distance factor

Note: When using an Active Antenna, the Antenna factor shall be subtracted due to the combination of the internal amplification and antenna loss.

Corrected Meter Reading = meter reading + F – A + C
where:

F = antenna factor

A= amplifier gain

C = cable loss

The correction factors for the antenna and the amplifier gain are attached in Appendix D of this report. The data sheets are attached in Appendix E.

The distance factor D is 0 when the test is performed at the required specification distance.

8.2 DTS Bandwidth

The DTS Bandwidth was measured using the EMI Receiver. The Bandwidth was measured using a direct connection from the EUT. The following steps were performed for measuring the DTS Bandwidth, as described in section 11.8.1 of ANSI C63.10

1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) to equal or greater than 3 times the RBW
3. Detector = Peak
4. Trace Mode = Max Hold
5. Sweep = Auto Couple
6. Allow the trace to stabilize
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247 (a)(2); and RSS-247.

8.3 Maximum Peak Conducted Output Power

The Conducted Peak Output Power was measured using the EMI Receiver. The Peak Output Power was measured using the peak power measurement procedure describe in section 11.9.1.1 of ANSI C63.10. The Maximum Conducted Output Power was then taken.

1. Set RBW $\geq$ DTS Bandwidth
2. Set the VBW $\geq$ [3x RBW]
3. Set span $\geq$ [3x RBW]
4. Detector = Peak
5. Sweep time = Auto Couple
6. Trace mode = Max Hold
7. Allow the trace to stabilize
8. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Test Results:

The EUT complies with the relevant requirements of CFR Title 47, Part 15, Subpart C Section 15.247 (b)(3); and RSS-247.

8.4 Emissions in Non-Restricted Bands

The emissions in the non-restricted frequency bands measurements were performed using the EMI receiver directly connected to the EUT. The reference level was established by setting the instrument center frequency to DTS channel center frequency. The span was set to ≥ 1.5 times the DTS bandwidth. The RBW was set to 100 kHz and the VBW was set to 300 kHz. A peak detector was used with sweep set to auto. A max hold trace was used and allowed to fully stabilize. The peak marker function was used to determine the level and 20 dB below that was the reference level. For emission level measurement, the center frequency and span were set to encompass the frequency range to be measured. The RBW was set to 100 kHz and the VBW was set to 300 kHz. A peak detector was used with a sweep time set to auto. The number of measurement points were greater than the span/RBW. A max hold trace was used and allowed to fully stabilize. The peak marker function was used to determine the maximum amplitude level. The final qualification data sheets are located in Appendix E.

Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247(d); and RSS-247.

8.5 RF Band Edges and Out of Band Emissions

The RF band edges were measured using the EMI Receiver. The RF band edges were measured twice using a direct connection from the RF out on the EUT into the input of the EMI Receiver for non-restricted bands and using radiated field strength measurement for restricted bands.

The RF band edges were taken at 902 MHz (restricted bands) when the EUT was on the low channel and 928 MHz when the EUT was on the high channel using the EMI Receiver. The radiated emissions test procedure as describe in section 8.1.2 of this test report was used to maximize the emission.

The following steps were performed for measuring the band edges at 902 MHz and 928 MHz:

1. Set analyzer center frequency to DTS channel center frequency
2. Set the span wide enough to cover the band edges.
3. Set the RBW to 100 kHz (1 MHz for non-restricted band)
4. Set the VBW $\geq 3 \times$ RBW
5. Detector = Peak
6. Sweep time = auto couple
7. Allow the trace to stabilize
8. Use the peak marker function to determine the maximum amplitude level

Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247(d) for band edges; and RSS-247.

8.6 Spectral Density Test

The spectrum density output was measured using the EMI Receiver. The spectral density output was measured using a direct connection from the RF out on the EUT into the input of the EMI Receiver.

The following steps were performed for measuring the spectral density, per section 11.10.2 of ANSI C63.10.

1. Set analyzer center frequency to DTS channel center frequency
2. Set the span to at least 1.5 times the OBW.
3. Set the RBW to $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$
4. Set the VBW $\geq [3 \times \text{RBW}]$
5. Detector = peak
6. Sweep time = auto couple
7. Trace mode = max hold
8. Allow trace to fully stabilize
9. Use the peak marker function to determine the maximum amplitude level within the RBW
10. If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.

Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247(e); and RSS-247.

8.7 99 % Bandwidth

The 99 % bandwidth was measured using an EMI Receiver.

The following steps were performed for measuring the 99 % bandwidth per RSS-GEN, Issue 5, clause 6.7:

Set RBW to 1 % to 5 % of the actual occupied bandwidth.
Set VBW to greater than 3 times the RBW.
Set the EMI Receiver to the occupied bandwidth Function set at 99 %
Set the peak detector to max hold.
Set the sweep time to auto
Allow the trace to stabilize.

Please note that this was only used to determine the emission bandwidth and that there are no limits or pass/fail criteria for this test. Please see the data sheets located in Appendix E.

8.8 Variation of the Input Power

Test Results:

This test was not performed because the EUT operates on battery power only and cannot be plugged into the AC public mains. For battery operated equipment, the equipment tests were performed using a new battery. The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart A section 15.31 (e); and RSS-Gen. If it were applicable, the following procedure would be followed:

The variation of the input power test was performed using the EMI Receiver. The EUT input power was varied between 85% and 115% of the nominal rated supply voltage. The carrier frequency was monitored for any change in amplitude.

9. TEST PROCEDURE DEVIATIONS

There were no deviations from the test procedures.

10. CONCLUSIONS

The Golf Ball with Embedded Electronics, Model: CS GOLF ONE as tested, meets all the relevant specification requirements defined in the Code of Federal Regulations Title 47, Part 15 Subpart B section, 15.107 and 15.109, & Subpart C sections 15.205, 15.207, 15.209 and 15.247, RSS 247 and RSS Gen.

APPENDIX A

LABORATORY ACCREDITATIONS

Laboratory Accreditations and recognition



For US, Canada, Australia/New Zealand, Japan, Taiwan, Korea, and the European Union, Compatible Electronics is currently accredited by NVLAP to ISO/IEC 17025.

For the most up-to-date version of our scopes and certificates please visit

<http://celectronics.com/quality/scope/>

Quote from ISO-ILAC-IAF Communiqué on the Management Systems Requirements of ISO/IEC 17025, General Requirements for the competence of testing and calibration laboratories:

"A laboratory's fulfilment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001"

Innovation, Science and Economic Development Canada Lab Code 2154C

APPENDIX B

MODIFICATIONS TO THE EUT

MODIFICATIONS TO THE EUT

There were no modifications made to the EUT.

APPENDIX C

ADDITIONAL MODELS

ADDITIONAL MODELS

Used for the Primary Tests

Golf Ball with Embedded Electronics

Model: CS GOLF ONE

FCC ID: 2BU5AIC1A1B1C

HVIN: IC1A1B1C

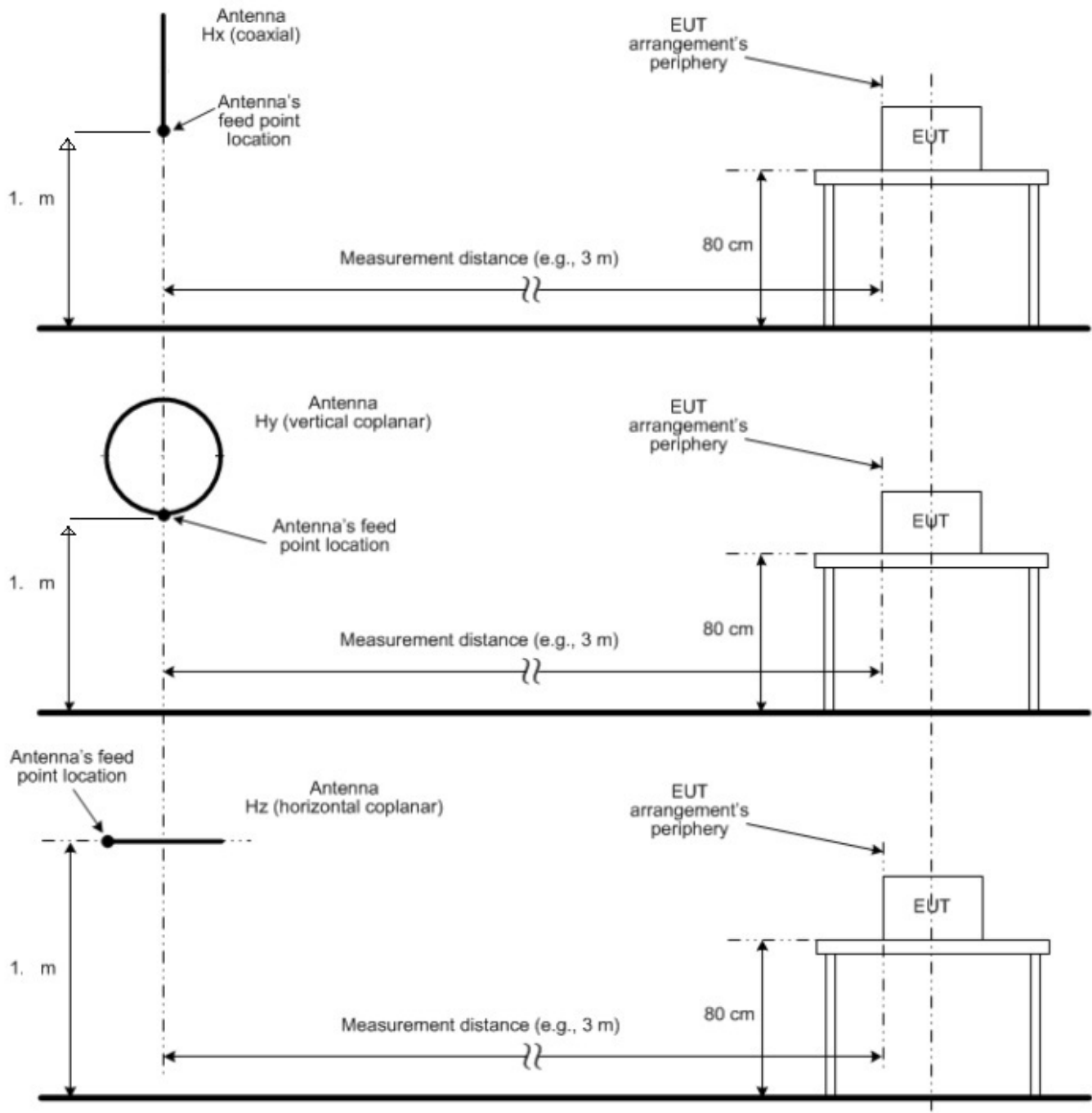
IC: 35407-IC1A1B1C

No additional models.

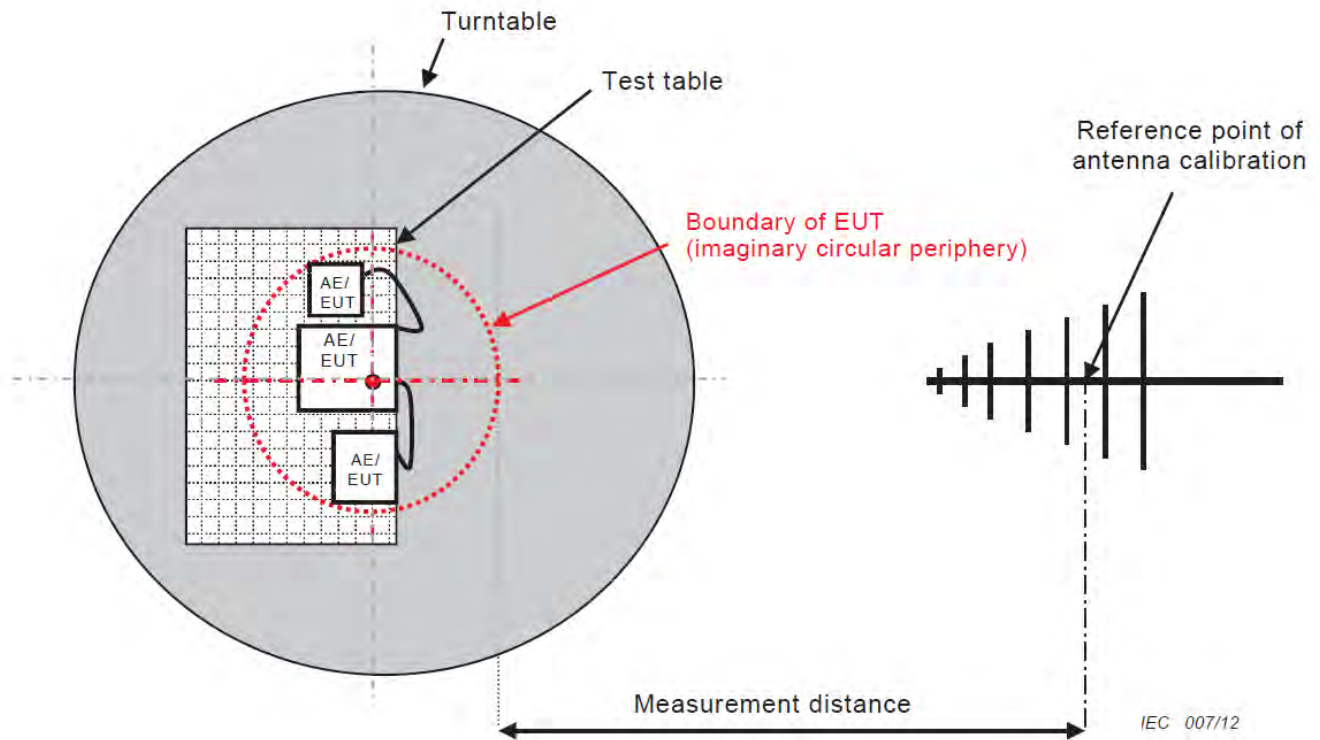
APPENDIX D

DIAGRAMS, CHARTS AND PHOTOS

FIGURE 2: LOW FREQUENCY TEST SETUP



**FIGURE 1: RADIATED EMISSIONS 3-METER
SEMI -ANECHOIC TEST CHAMBER**



The diagram illustrates the layout of an antenna test cell. A central turntable, covered with RF absorber, is positioned on a reference ground plane (covered with RF absorber). The turntable has a diameter of 2.3 m or 3.8 m (whichever is greater). The gap between the turntable and the reference ground plane is 0.3 m minimum. The turntable is surrounded by a reference ground plane (without RF absorber) with a minimum width of 3.6 m. The turntable is also surrounded by a reference ground plane (covered with RF absorber) with a minimum width of 0.3 m. The turntable is positioned on a reference ground plane (covered with RF absorber) with a minimum width of 1.5 m. The turntable is also surrounded by a reference ground plane (without RF absorber) with a minimum width of 1.8 m. The turntable is positioned on a reference ground plane (covered with RF absorber) with a minimum width of 0.5 m. The turntable is also surrounded by a reference ground plane (without RF absorber) with a minimum width of 0.5 m. The turntable is positioned on a reference ground plane (covered with RF absorber) with a minimum width of 0.5 m. The turntable is also surrounded by a reference ground plane (without RF absorber) with a minimum width of 0.5 m.

ELECTRO-METRICS ALR-25M**LOOP ANTENNA****S/N: 726****CALIBRATION DUE: MARCH 04, 2027**

FREQUENCY (MHz)	MAGNETIC (dB/m)	ELECTRIC (dB/m)	FREQUENCY (MHz)	MAGNETIC (dB/m)	ELECTRIC (dB/m)
0.009	-36.06	15.44	7	-37.09	14.41
0.01	-36.76	14.74	8	-37.30	14.20
0.02	-38.26	13.24	9	-37.49	14.01
0.03	-37.66	13.84	10	-37.29	14.21
0.04	-38.16	13.34	11	-37.18	14.32
0.05	-37.56	13.94	12	-37.10	14.40
0.06	-37.36	14.14	13	-36.90	14.60
0.07	-37.56	13.94	14	-36.80	14.70
0.08	-37.66	13.84	15	-36.81	14.69
0.09	-37.37	14.13	16	-36.91	14.59
0.1	-37.77	13.73	17	-37.10	14.40
0.2	-37.76	13.74	18	-37.39	14.11
0.3	-37.86	13.64	19	-37.60	13.90
0.4	-37.85	13.65	20	-37.71	13.79
0.5	-37.65	13.85	21	-37.81	13.69
0.6	-37.65	13.85	22	-37.91	13.59
0.7	-37.61	13.89	23	-37.91	13.59
0.8	-37.64	13.86	24	-38.02	13.48
0.9	-37.53	13.97	25	-38.12	13.38
1	-37.34	14.16	26	-38.37	13.13
2	-37.22	14.28	27	-38.68	12.82
3	-37.11	14.39	28	-39.08	12.42
4	-36.92	14.58	29	-39.54	11.96
5	-36.90	14.60	30	-39.84	11.66
6	-37.00	14.50			

COM-POWER ACL-6000**LAB P - COMBILOG ANTENNA****S/N: 10350010****CALIBRATION DUE DATE: September 23, 2027**

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
25	25.01	275	18.52
30	25.01	300	18.46
35	23.47	325	19.13
40	19.99	350	19.47
45	16.76	375	20.13
50	14.14	400	20.38
55	12.65	425	21.22
60	12.36	450	21.73
65	12.68	475	22.69
70	13.04	500	22.67
75	13.15	550	23.22
80	12.93	600	23.91
85	12.59	650	24.77
90	12.52	700	24.83
95	13.1	750	25.62
100	14.25	800	26.11
125	18.23	850	26.96
150	17.17	900	26.91
175	15.65	950	27.42
200	17.42	1000	27.78
225	15.76	1050	27.78
250	16.7		

COM-POWER PAM-118A**1-1000MHz – PREAMPLIFIER****S/N: 18020182****CALIBRATION DUE: NOVEMBER 18, 2026**

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
1	36.18	175	36.12
2	36.25	200	36.11
3	36.25	225	36.06
4	36.26	250	36.05
5	36.27	275	35.97
6	36.26	300	35.97
7	36.26	325	35.81
8	36.27	350	35.77
9	36.28	375	35.72
10	36.27	400	35.72
15	36.27	425	35.66
20	36.33	450	35.64
25	36.32	475	35.57
30	36.26	500	35.46
35	36.28	525	35.41
40	36.26	550	35.42
45	36.29	575	35.28
50	36.31	600	35.23
55	36.25	625	35.18
60	36.25	650	35.05
65	36.26	675	35.00
70	36.28	700	34.99
75	36.27	725	34.84
80	36.24	750	34.68
85	36.20	775	34.78
90	36.23	800	34.54
95	36.22	825	34.57
100	36.28	850	34.49
110	36.23	875	34.42
120	36.21	900	34.24
130	36.20	925	34.39
140	36.17	950	34.15
150	36.19	1000	34.10

COM-POWER AH-118**HORN ANTENNA****S/N: 10050347****CALIBRATION DUE DATE: October 21, 2026**

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
0.7	27.25	7.5	37.42
0.75	26.50	8	37.66
0.8	25.21	8.5	37.76
0.85	24.59	9	38.35
0.9	24.02	9.5	38.53
0.95	24.12	10	38.87
1	24.42	10.5	39.35
1.25	25.04	11	38.60
1.5	25.44	11.5	39.98
1.75	26.30	12	40.05
2	28.70	12.5	40.07
2.25	28.71	13	40.48
2.5	28.82	13.5	40.59
3	29.79	14	40.74
3.5	30.63	14.5	41.62
4	31.44	15	41.62
4.5	32.27	15.5	39.36
5	33.66	16	39.68
5.5	33.97	16.5	39.95
6	34.65	17	40.86
6.5	35.20	17.5	42.72
7	36.90	18	43.17

COM-POWER PAM-118**1-18GHz Preamplifier****S/N: 18080000****CALIBRATION DUE DATE: October 21, 2026**

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
0.50	51.40	7.75	51.51
0.55	51.25	8.00	52.35
0.60	51.06	8.25	52.20
0.65	50.97	8.50	51.88
0.70	50.91	8.75	51.34
0.75	50.88	9.00	51.35
1.00	50.76	9.25	51.26
1.25	50.87	9.50	51.67
1.50	50.71	9.75	52.35
1.75	50.77	10.00	52.61
2.00	51.49	10.25	52.77
2.25	51.94	10.50	52.68
2.50	52.23	10.75	52.31
2.75	52.42	11.00	52.16
3.00	52.57	11.25	52.14
3.25	52.70	11.50	52.11
3.50	52.92	11.75	52.06
3.75	53.09	12.00	52.00
4.00	53.19	12.25	51.96
4.25	53.19	12.50	51.83
4.50	53.23	12.75	51.78
4.75	53.37	13.00	51.43
5.00	53.34	13.25	51.04
5.25	53.19	13.50	50.75
5.50	52.88	14.00	50.27
5.75	52.43	14.50	50.52
6.00	51.78	15.00	50.44
6.25	50.99	15.50	50.44
6.50	50.21	16.00	50.02
6.75	49.61	16.50	50.16
7.00	49.47	17.00	50.47
7.25	49.87	17.50	51.00
7.50	50.49	18.00	51.30

COM-POWER AHA-840H**HORN ANTENNA WITH PREAMP 18-40 GHz****S/N: 10340001****CALIBRATION DUE: AUGUST 09, 2026**

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
18000	-11.89	29500	-13.98
18500	-12.92	30000	-12.44
19000	-13.37	30500	-12.55
19500	-13.54	31000	-11.99
20000	-12.92	31500	-12.34
20500	-13.73	32000	-11.98
21000	-14.17	32500	-11.67
21500	-14.16	33000	-11.6
22000	-14.15	33500	-12.77
22500	-13.92	34000	-12.36
23000	-14.31	34500	-12.36
23500	-14.77	35000	-12.54
24000	-14.95	35500	-12.77
24500	-14.64	36000	-13.18
25000	-14.69	36500	-13.15
25500	-14.5	37000	-13.08
26000	-15.4	37500	-12.86
26500	-15.54	38000	-12.56
27000	-15.17	38500	-10.77
27500	-14.94	39000	-9.69
28000	-14.43	39500	-9.14
28500	-14.76	40000	-9.46
29000	-13.92		



FRONT VIEW

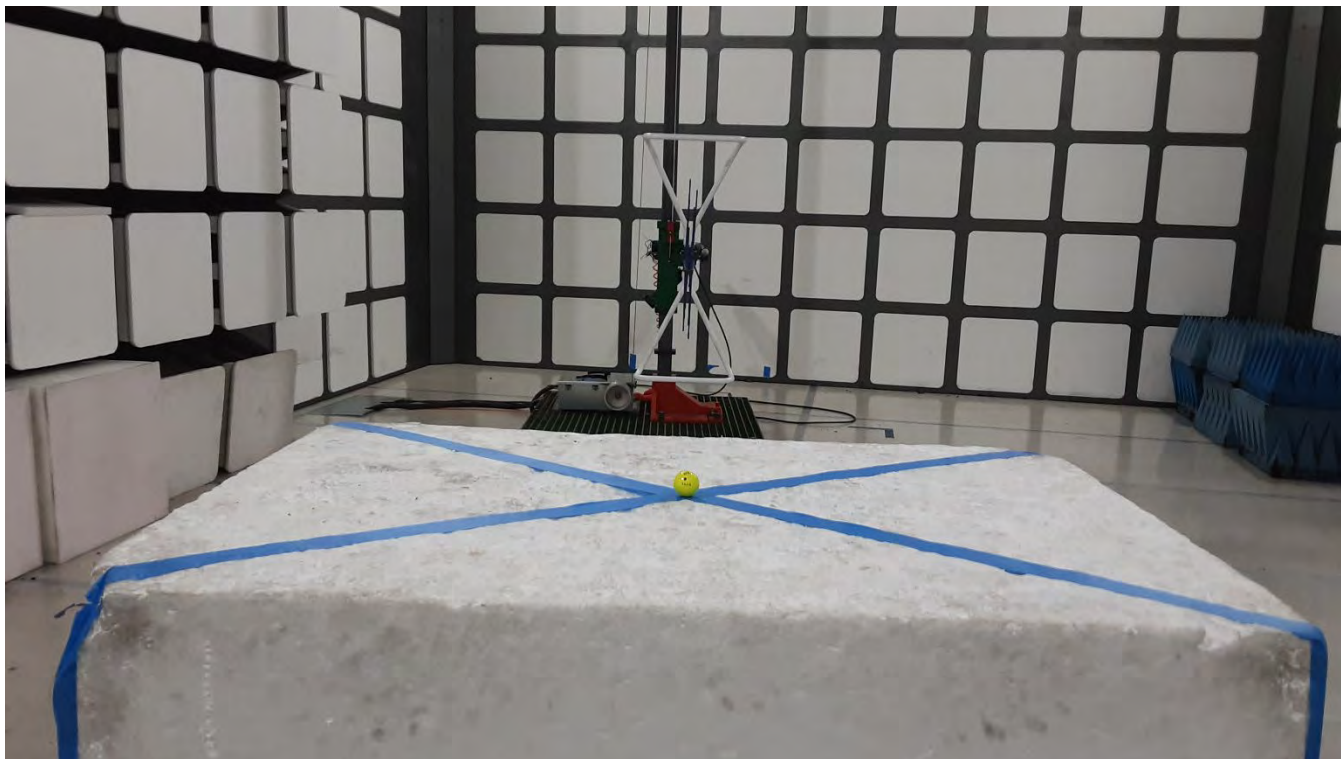
CHIP'd, Inc

Golf Ball with Embedded Electronics

MODEL: CS Golf One

RADIATED EMISSIONS – BELOW 1 GHz

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**



REAR VIEW

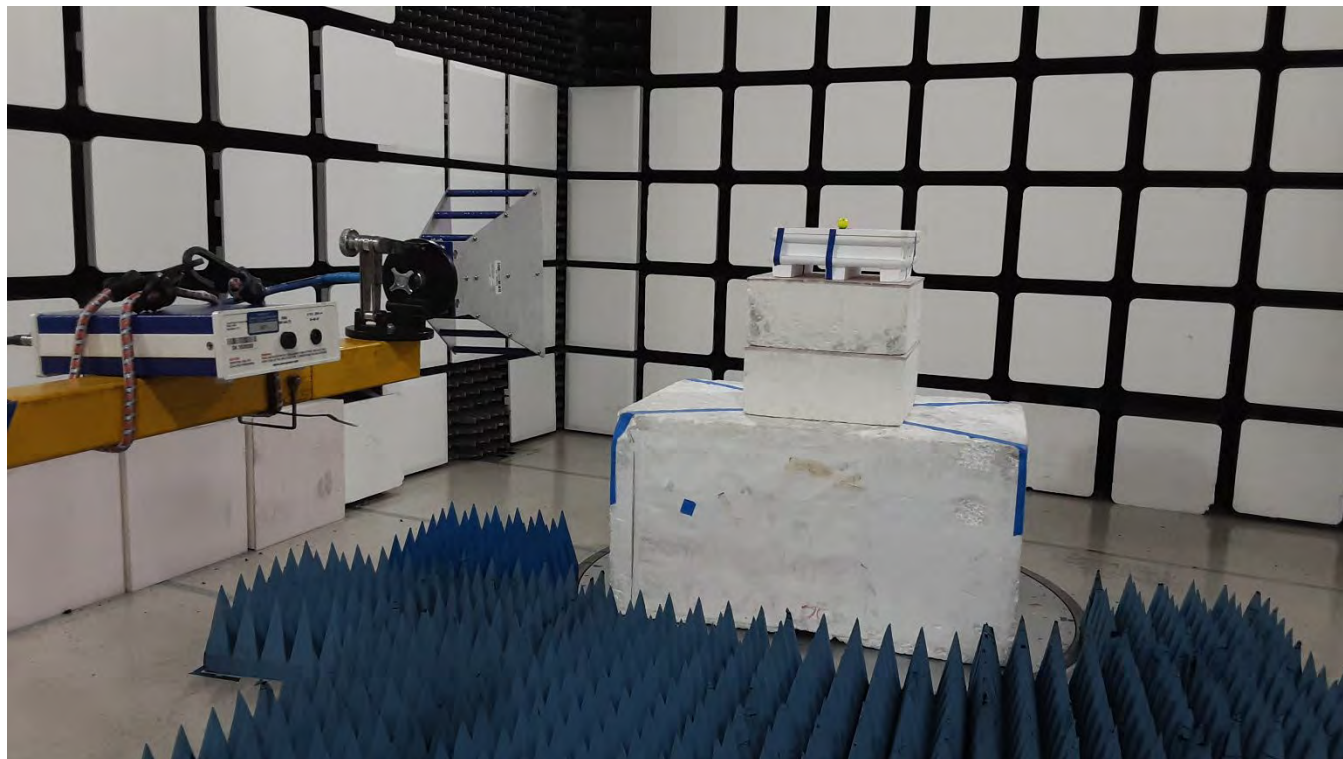
CHIP'd, Inc

Golf Ball with Embedded Electronics

MODEL: CS Golf One

RADIATED EMISSIONS – BELOW 1 GHz

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**



FRONT VIEW

CHIP'd, Inc

Golf Ball with Embedded Electronics

MODEL: CS Golf One

RADIATED EMISSIONS – ABOVE 1 GHz

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**



REAR VIEW

CHIP'd, Inc

Golf Ball with Embedded Electronics

MODEL: CS Golf One

RADIATED EMISSIONS – ABOVE 1 GHz

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**

APPENDIX E

DATA SHEETS
AND

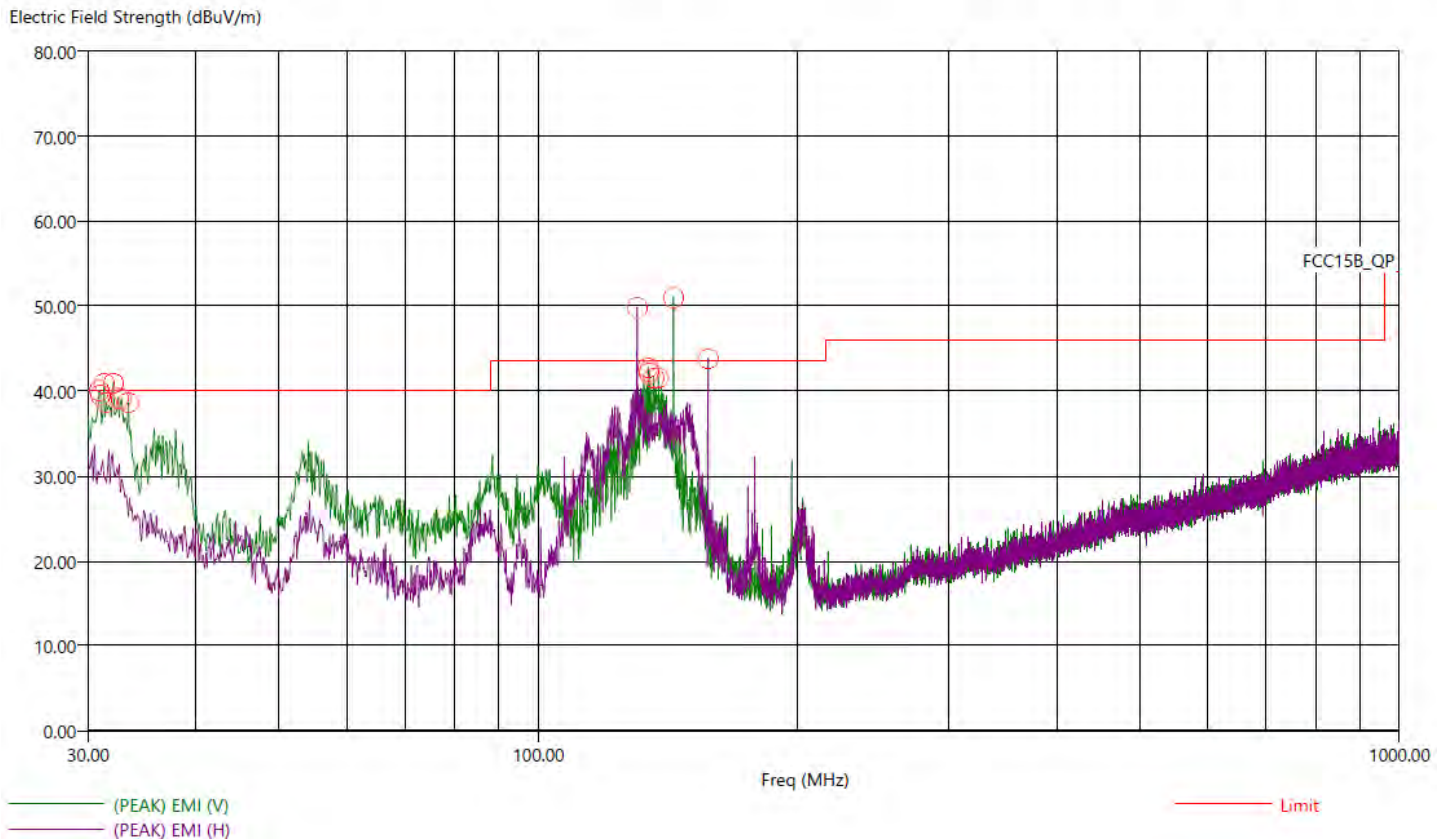
FCC COMPLIANCE INFORMATION STATEMENT

RADIATED EMISSIONS

DATA SHEETS

Test title: FCC 15B
Sequence: 04a FCC Pre-Scan 30-1000 MHz Low (Y) (2402 MHz) Worst Case.set
Operator name: Andrew Nimeh
EUT type: Golf Ball with Embedded Electronics
EUT condition: Transmitting 2402 MHz
Model: CS Golf One
Temp: 20 C
Hum: 32 %
Transmitting 2402 MHz
Tx power level: 3 dBm
Low Channel- Y-Axis
Worse Case

5/1/2026 11:34:41 AM
Preliminary Scan

Compatible Electronics, Inc. FAC-3 (LAB R)

No emissions detected fom 9 kHz to 30 MHz and 1 to 25 GHz for the digital portion of the EUT and for the non-harmonic emissions of the transmitter for the EUT.

Test title: FCC 15B
File: 04a FCC Final Scan 30-1000 MHz Low (Y) (2402 MHz) Worse Case.set
Operator name: Andrew Nimeh
EUT type: Golf Ball with Embedded Electronics
EUT condition: Transmitting 2402 MHz
Model: CS Golf One
Temp: 20 C
Hum: 32 %
Transmitting 2402 MHz
Tx power level: 3 dBm
Low Channel - Y-Axis
Worse Case

5/1/2026 11:42:48 AM
Final Measurements

Compatible Electronics, Inc. FAC-3 (LAB R)

Freq (MHz)	Pol	(PEAK) EMI (dBuV/m)	(QP) EMI (dBuV/m)	(QP) Limit (dBuV/m)	(QP) Margin (dB)	Twr Ht (cm)	Ttbl Ang (deg)	Cable (dB)	Transducer (dB)
30.90	V	45.85	33.71	40.00	-6.29	144.59	224.00	0.62	24.83
31.00	V	47.48	35.17	40.00	-4.83	126.38	357.25	0.62	24.80
31.30	V	46.76	33.12	40.00	-6.88	162.02	359.25	0.63	24.75
31.50	V	48.03	36.41	40.00	-3.59	123.76	33.50	0.63	24.69
32.10	V	44.78	33.15	40.00	-6.85	181.91	312.75	0.63	24.61
32.50	V	45.98	34.31	40.00	-5.69	159.52	84.00	0.64	24.46
32.80	V	44.11	32.34	40.00	-7.66	181.01	17.00	0.64	24.43
33.40	V	46.25	33.99	40.00	-6.01	135.28	157.00	0.65	24.32
130.10	H	46.83	30.50	43.52	-13.02	247.88	224.50	1.23	18.20
134.00	V	52.43	32.49	43.52	-11.03	213.43	2.25	1.25	18.32
134.30	V	53.47	35.25	43.52	-8.27	231.64	114.75	1.25	18.33
134.50	V	54.89	35.00	43.52	-8.52	234.08	112.75	1.25	18.34
136.00	V	50.65	30.59	43.52	-12.93	261.67	88.25	1.26	18.32
137.80	V	49.61	30.63	43.52	-12.89	255.82	77.50	1.27	18.23
143.40	V	57.31	34.20	43.52	-9.32	247.52	89.75	1.29	17.78
157.30	H	39.04	20.10	43.52	-23.42	164.53	192.75	1.37	16.74

No emissions detected fom 9 kHz to 30 MHz and 1 to 25 GHz for the digital portion of the EUT and for the non-harmonic emissions of the transmitter for the EUT.

HARMONICS

DATA SHEETS

Test title: FCC Class B

File: 22 Harmonics Low Channel-X-Axis 1-18 GHz.set

Operator name: Andrew Nimeh

EUT type: Golf Ball with Embedded Electronics

EUT condition: Low Channel 2402 MHz

Notes: CHIP'd, Inc

Model CS Golf One

Temp: 20 C

Hum: 50 %

X-axis

5/8/2026 4:39:41 PM

Sequence: Final Measurements

Frequency (MHz)	Pol	(PEAK) EMI (dBuV/m)	(PEAK) Limit (dB)	(PEAK) Margin (dB)	(AVG) EMI (dBuV/m)	(AVG) Limit	(AVG) Margin (dB)	Tower Height (cm)	Table Angle (degrees)
4804.00	H	43.88	74.00	-30.12	30.80	54.00	-23.20	109.95	116.00
4804.00	V	43.28	74.00	-30.72	30.43	54.00	-23.57	298.31	67.00
7206.00	H	48.09	74.00	-25.91	34.88	54.00	-19.12	217.59	58.50
7206.00	V	47.40	74.00	-26.60	34.06	54.00	-19.94	378.43	159.25
9608.00	H	48.29	74.00	-25.71	35.22	54.00	-18.78	104.04	235.50
9608.00	V	48.40	74.00	-25.60	35.47	54.00	-18.53	127.86	159.00
12010.00	H	50.21	74.00	-23.79	37.31	54.00	-16.69	276.22	82.00
12010.00	V	49.96	74.00	-24.04	37.30	54.00	-16.70	400.22	242.25
14412.00	H	49.04	74.00	-24.96	35.86	54.00	-18.14	180.94	137.50
14412.00	V	48.42	74.00	-25.58	35.94	54.00	-18.06	237.00	356.00
16814.00	H	51.19	74.00	-22.81	38.17	54.00	-15.83	343.32	113.25
16814.00	V	49.63	74.00	-24.37	36.51	54.00	-17.49	344.76	167.00
Additional harmonic investigations were performed up to 25 GHz. No emissions were observed above the applicable limits or measurement system noise floor.									

Test title: FCC Class B
File: 24 Harmonics Low Channel- Y-Axis 1-18 GHz.set
Operator name: Andrew Nimeh
EUT type: Golf Ball with Embedded Electronics
EUT condition: Low Channel 2402 MHz
Notes: CHIP'd, Inc
Model CS Golf One
Temp: 21 C
Hum: 55 %
Y-axis

5/11/2026 8:52:16 AM
Sequence: Final Measurements

Frequency (MHz)	Pol	(PEAK) EMI (dBuV/m)	(PEAK) Limit (dB)	(PEAK) Margin (dB)	(AVG) EMI (dBuV/m)	(AVG) Limit	(AVG) Margin (dB)	Tower Height (cm)	Table Angle (degrees)
4804.00	H	39.32	74.00	-34.68	26.29	54.00	-27.71	278.61	168.00
4804.00	V	39.88	74.00	-34.12	27.30	54.00	-26.70	318.13	212.75
7206.00	H	44.47	74.00	-29.53	31.49	54.00	-22.51	183.50	64.75
7206.00	V	44.73	74.00	-29.27	31.02	54.00	-22.98	259.20	324.75
9608.00	H	46.21	74.00	-27.79	32.54	54.00	-21.46	102.55	271.75
9608.00	V	45.36	74.00	-28.64	32.53	54.00	-21.47	142.55	155.00
12010.00	H	47.44	74.00	-26.56	34.51	54.00	-19.49	276.94	65.50
12010.00	V	47.90	74.00	-26.10	35.09	54.00	-18.91	136.22	256.00
14412.00	H	48.29	74.00	-25.71	35.23	54.00	-18.77	400.28	310.75
14412.00	V	47.77	74.00	-26.23	34.81	54.00	-19.19	299.20	305.00
16814.00	H	55.65	74.00	-18.35	42.64	54.00	-11.36	248.94	320.75
16814.00	V	47.81	74.00	-26.19	34.55	54.00	-19.45	184.94	28.50
Additional harmonic investigations were performed up to 25 GHz. No emissions were observed above the applicable limits or measurement system noise floor.									

Test title: FCC Class B
File: 23 Harmonics Low Channel- Z-Axis 1-18 GHz.set
Operator name: Andrew Nimeh
EUT type: Golf Ball with Embedded Electronics
EUT condition: Low Channel 2402 MHz
Notes: CHIP'd, Inc
Model CS Golf One
Temp: 21 C
Hum: 55 %
Z-axis

5/11/2026 8:24:30 AM
Sequence: Final Measurements

Frequency (MHz)	Pol	(PEAK) EMI (dBuV/m)	(PEAK) Limit (dB)	(PEAK) Margin (dB)	(AVG) EMI (dBuV/m)	(AVG) Limit	(AVG) Margin (dB)	Tower Height (cm)	Table Angle (degrees)
4804.00	H	39.70	74.00	-34.30	26.38	54.00	-27.62	165.47	331.75
4804.00	V	39.15	74.00	-34.85	29.68	54.00	-24.32	364.34	75.50
7206.00	H	42.52	74.00	-31.48	30.07	54.00	-23.93	252.52	144.75
7206.00	V	43.52	74.00	-30.48	30.23	54.00	-23.77	116.70	308.75
9608.00	H	45.69	74.00	-28.31	32.80	54.00	-21.20	400.04	161.25
9608.00	V	46.01	74.00	-27.99	32.60	54.00	-21.40	123.80	42.00
12010.00	H	47.94	74.00	-26.06	34.78	54.00	-19.22	358.67	171.00
12010.00	V	46.67	74.00	-27.33	33.61	54.00	-20.39	183.26	294.75
14412.00	H	47.18	74.00	-26.82	34.53	54.00	-19.47	158.61	341.75
14412.00	V	48.05	74.00	-25.95	35.15	54.00	-18.85	187.44	246.25
16814.00	H	56.09	74.00	-17.91	42.64	54.00	-11.36	369.59	52.00
16814.00	V	47.56	74.00	-26.44	33.91	54.00	-20.09	370.73	150.25
Additional harmonic investigations were performed up to 25 GHz. No emissions were observed above the applicable limits or measurement system noise floor.									

Test title: FCC Class B
File: 41 Harmonics Mid Channel-X-Axis 1-18 GHz.set
Operator name: Andrew Nimeh
EUT type: Golf Ball with Embedded Electronics
EUT condition: Mid Channel 2440 MHz
Notes: CHIP'd, Inc
Model CS Golf One
Temp: 19 C
Hum: 54 %
X-axis

5/13/2026 9:58:38 AM
Sequence: Final Measurements

Frequency (MHz)	Pol	(PEAK) EMI (dBuV/m)	(PEAK) Limit (dB)	(PEAK) Margin (dB)	(AVG) EMI (dBuV/m)	(AVG) Limit	(AVG) Margin (dB)	Tower Height (cm)	Table Angle (degrees)
4880.00	H	39.52	74.00	-34.48	26.73	54.00	-27.27	282.49	315.50
4880.00	V	39.29	74.00	-34.71	26.28	54.00	-27.72	238.07	354.00
7320.00	H	43.22	74.00	-30.78	30.64	54.00	-23.36	213.35	315.00
7320.00	V	44.20	74.00	-29.80	31.29	54.00	-22.71	320.16	129.00
9760.00	H	45.94	74.00	-28.06	33.01	54.00	-20.99	130.61	1.75
9760.00	V	46.04	74.00	-27.96	33.08	54.00	-20.92	344.46	356.50
12200.00	H	47.89	74.00	-26.11	34.67	54.00	-19.33	294.13	348.00
12200.00	V	47.73	74.00	-26.27	34.60	54.00	-19.40	359.26	311.25
14640.00	H	47.79	74.00	-26.21	34.90	54.00	-19.10	286.97	241.00
14640.00	V	47.28	74.00	-26.72	34.36	54.00	-19.64	262.19	47.75
17080.00	H	54.33	74.00	-19.67	41.47	54.00	-12.53	262.85	220.25
17080.00	V	51.38	74.00	-22.62	38.59	54.00	-15.41	172.28	353.75
Additional harmonic investigations were performed up to 25 GHz. No emissions were observed above the applicable limits or measurement system noise floor.									

Test title: FCC Class B
File: 42 Harmonics Mid Channel-Y-Axis 1-18 GHz.set
Operator name: Andrew Nimeh
EUT type: Golf Ball with Embedded Electronics
EUT condition: Mid Channel 2440 MHz
Notes: CHIP'd, Inc
Model CS Golf One
Temp: 19 C
Hum: 54 %
Y-axis

5/13/2026 10:28:23 AM
Sequence: Final Measurements

Frequency (MHz)	Pol	(PEAK) EMI (dBuV/m)	(PEAK) Limit (dB)	(PEAK) Margin (dB)	(AVG) EMI (dBuV/m)	(AVG) Limit	(AVG) Margin (dB)	Tower Height (cm)	Table Angle (degrees)
4880.00	H	40.53	74.00	-33.47	27.05	54.00	-26.95	337.29	266.75
4880.00	V	40.08	74.00	-33.92	26.89	54.00	-27.11	299.74	218.25
7320.00	H	58.74	74.00	-15.26	30.37	54.00	-23.63	341.17	236.25
7320.00	V	43.82	74.00	-30.18	31.04	54.00	-22.96	151.92	310.75
9760.00	H	46.26	74.00	-27.74	32.95	54.00	-21.05	152.64	283.75
9760.00	V	45.92	74.00	-28.08	32.99	54.00	-21.01	102.19	118.00
12200.00	H	47.00	74.00	-27.00	34.46	54.00	-19.54	240.16	41.25
12200.00	V	48.28	74.00	-25.72	34.65	54.00	-19.35	295.50	202.50
14640.00	H	48.14	74.00	-25.86	35.25	54.00	-18.75	202.97	300.75
14640.00	V	47.03	74.00	-26.97	34.64	54.00	-19.36	265.83	333.50
17080.00	H	55.24	74.00	-18.76	42.47	54.00	-11.53	323.98	297.75
17080.00	V	49.73	74.00	-24.27	36.57	54.00	-17.43	299.32	4.75
Additional harmonic investigations were performed up to 25 GHz. No emissions were observed above the applicable limits or measurement system noise floor.									

Test title: FCC Class B

File: 40 Harmonics Mid Channel-Z-Axis 1-18 GHz.set

Operator name: Andrew Nimeh

EUT type: Golf Ball with Embedded Electronics

EUT condition: Mid Channel 2440 MHz

Notes: CHIP'd, Inc

Model CS Golf One

Temp: 19 C

Hum: 54 %

Z-axis

5/13/2026 9:25:03 AM

Sequence: Final Measurements

Frequency (MHz)	Pol	(PEAK) EMI (dBuV/m)	(PEAK) Limit (dB)	(PEAK) Margin (dB)	(AVG) EMI (dBuV/m)	(AVG) Limit	(AVG) Margin (dB)	Tower Height (cm)	Table Angle (degrees)
4880.00	H	51.67	74.00	-22.33	27.23	54.00	-26.77	129.95	74.50
4880.00	V	39.31	74.00	-34.69	26.46	54.00	-27.54	400.04	23.25
7320.00	H	45.16	74.00	-28.84	32.22	54.00	-21.78	371.50	28.75
7320.00	V	45.72	74.00	-28.28	32.32	54.00	-21.68	315.38	158.50
9760.00	H	46.39	74.00	-27.61	33.58	54.00	-20.42	179.44	352.50
9760.00	V	45.60	74.00	-28.40	33.07	54.00	-20.93	328.76	136.75
12200.00	H	47.73	74.00	-26.27	35.10	54.00	-18.90	384.16	0.00
12200.00	V	48.26	74.00	-25.74	35.38	54.00	-18.62	159.86	359.75
14640.00	H	49.24	74.00	-24.76	36.86	54.00	-17.14	217.29	6.50
14640.00	V	49.99	74.00	-24.01	36.90	54.00	-17.10	186.37	225.50
17080.00	H	56.18	74.00	-17.82	43.20	54.00	-10.80	384.88	219.00
17080.00	V	49.08	74.00	-24.92	36.02	54.00	-17.98	381.71	131.75
Additional harmonic investigations were performed up to 25 GHz. No emissions were observed above the applicable limits or measurement system noise floor.									

Test title: FCC Class B
File: 43 Harmonics High Channel-X-Axis 1-18 GHz.set
Operator name: Andrew Nimeh
EUT type: Golf Ball with Embedded Electronics
EUT condition: High Channel 2480 MHz
Notes: CHIP'd, Inc
Model CS Golf One
Temp: 19 C
Hum: 54 %
X-axis

5/13/2026 11:20:11 AM
Sequence: Final Measurements

Frequency (MHz)	Pol	(PEAK) EMI (dBuV/m)	(PEAK) Limit (dB)	(PEAK) Margin (dB)	(AVG) EMI (dBuV/m)	(AVG) Limit	(AVG) Margin (dB)	Tower Height (cm)	Table Angle (degrees)
4960.00	H	40.11	74.00	-33.89	26.81	54.00	-27.19	211.92	5.00
4960.00	V	39.54	74.00	-34.46	26.98	54.00	-27.02	395.86	0.25
7440.00	H	44.35	74.00	-29.65	31.03	54.00	-22.97	187.86	175.50
7440.00	V	44.76	74.00	-29.24	31.65	54.00	-22.35	212.16	299.00
9920.00	H	45.95	74.00	-28.05	33.20	54.00	-20.80	271.14	265.50
9920.00	V	44.86	74.00	-29.14	32.27	54.00	-21.73	162.79	175.25
12400.00	H	46.98	74.00	-27.02	34.46	54.00	-19.54	129.23	21.00
12400.00	V	48.32	74.00	-25.68	34.69	54.00	-19.31	384.40	358.75
14880.00	H	47.95	74.00	-26.05	34.91	54.00	-19.09	271.02	125.50
14880.00	V	47.65	74.00	-26.35	34.81	54.00	-19.19	111.56	124.25
17360.00	H	55.36	74.00	-18.64	42.24	54.00	-11.76	156.88	63.75
17360.00	V	53.20	74.00	-20.80	39.89	54.00	-14.11	254.49	33.00
Additional harmonic investigations were performed up to 25 GHz. No emissions were observed above the applicable limits or measurement system noise floor.									

Test title: FCC Class B
File: 45 Harmonics High Channel-Y-Axis 1-18 GHz.set
Operator name: Andrew Nimeh
EUT type: Golf Ball with Embedded Electronics
EUT condition: High Channel 2480 MHz
Notes: CHIP'd, Inc
Model CS Golf One
Temp: 19 C
Hum: 54 %
Y-axis

5/13/2026 1:33:34 PM
Sequence: Final Measurements

Frequency (MHz)	Pol	(PEAK) EMI (dBuV/m)	(PEAK) Limit (dB)	(PEAK) Margin (dB)	(AVG) EMI (dBuV/m)	(AVG) Limit	(AVG) Margin (dB)	Tower Height (cm)	Table Angle (degrees)
4960.00	H	39.72	74.00	-34.28	26.83	54.00	-27.17	245.89	0.25
4960.00	V	39.75	74.00	-34.25	27.01	54.00	-26.99	135.80	2.00
7440.00	H	44.21	74.00	-29.79	31.25	54.00	-22.75	341.89	264.00
7440.00	V	44.61	74.00	-29.39	30.64	54.00	-23.36	194.01	195.00
9920.00	H	46.08	74.00	-27.92	32.94	54.00	-21.06	315.02	312.75
9920.00	V	45.98	74.00	-28.02	32.88	54.00	-21.12	233.05	298.00
12400.00	H	47.66	74.00	-26.34	34.75	54.00	-19.25	332.82	357.25
12400.00	V	45.27	74.00	-28.73	32.90	54.00	-21.10	308.58	27.00
14880.00	H	47.65	74.00	-26.35	35.06	54.00	-18.94	103.20	0.00
14880.00	V	48.40	74.00	-25.60	35.00	54.00	-19.00	337.23	242.00
17360.00	H	56.00	74.00	-18.00	42.37	54.00	-11.63	234.49	304.75
17360.00	V	54.67	74.00	-19.33	42.01	54.00	-11.99	349.77	0.00
Additional harmonic investigations were performed up to 25 GHz. No emissions were observed above the applicable limits or measurement system noise floor.									

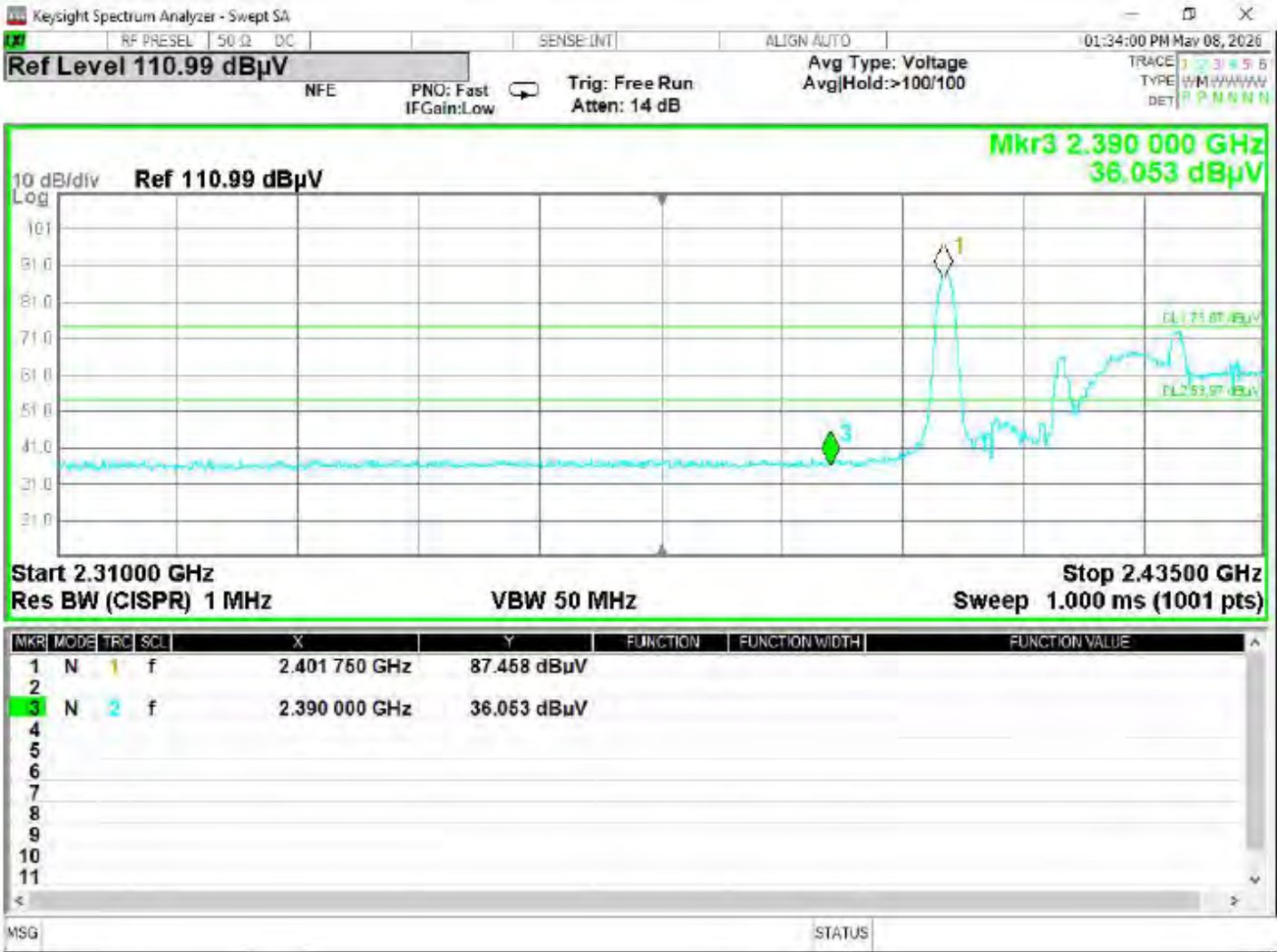
Test title: FCC Class B
File: 44 Harmonics High Channel-Z-Axis 1-18 GHz.set
Operator name: Andrew Nimeh
EUT type: Golf Ball with Embedded Electronics
EUT condition: High Channel 2480 MHz
Notes: CHIP'd, Inc
Model CS Golf One
Temp: 19 C
Hum: 54 %
Z-axis

5/13/2026 1:05:37 PM
Sequence: Final Measurements

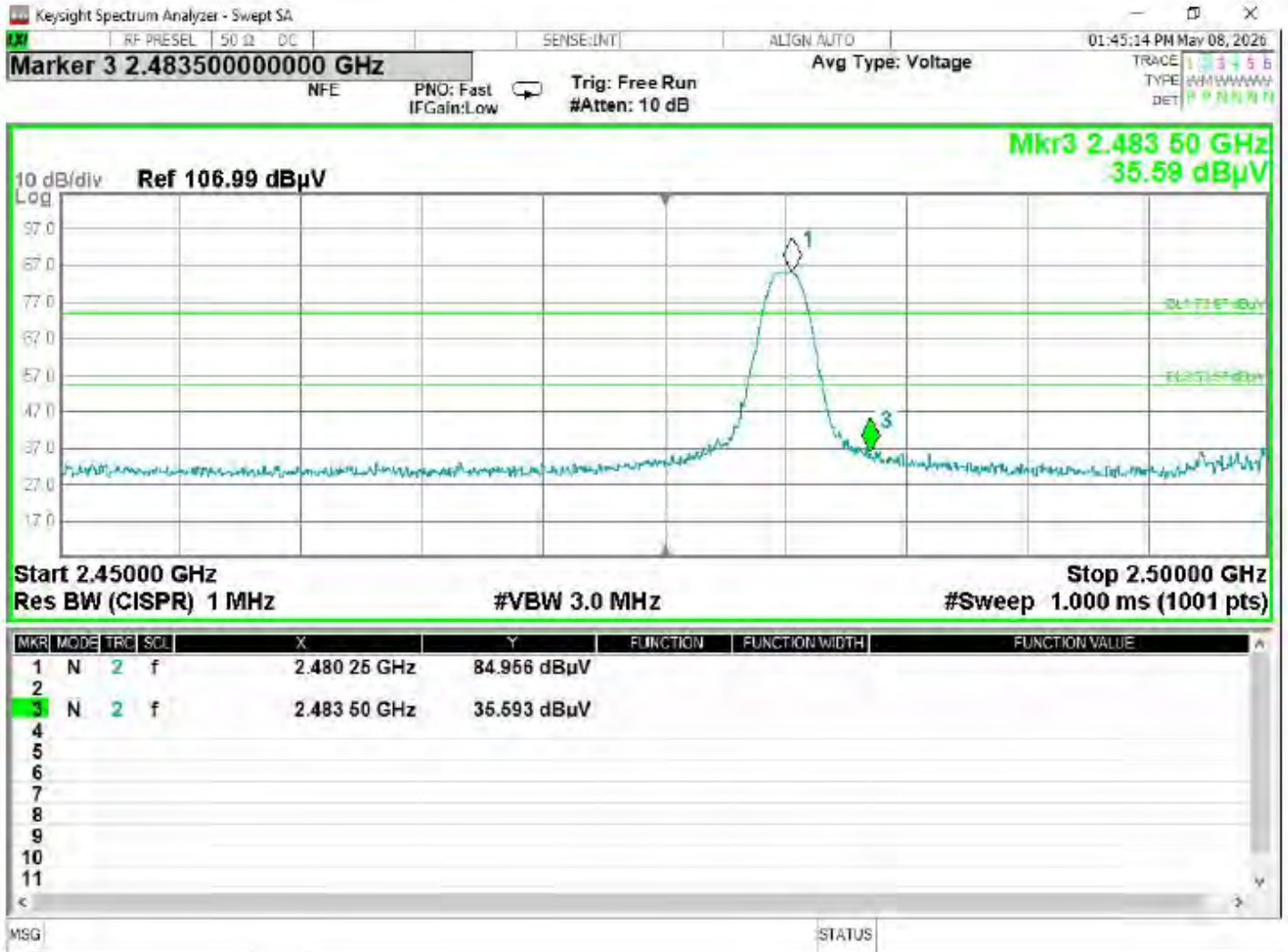
Frequency (MHz)	Pol	(PEAK) EMI (dBuV/m)	(PEAK) Limit (dB)	(PEAK) Margin (dB)	(AVG) EMI (dBuV/m)	(AVG) Limit	(AVG) Margin (dB)	Tower Height (cm)	Table Angle (degrees)
4960.00	H	39.74	74.00	-34.26	26.57	54.00	-27.43	223.62	137.75
4960.00	V	39.79	74.00	-34.21	27.54	54.00	-26.46	199.74	69.50
7440.00	H	43.00	74.00	-31.00	30.25	54.00	-23.75	180.88	21.75
7440.00	V	43.41	74.00	-30.59	30.55	54.00	-23.45	199.14	230.75
9920.00	H	45.98	74.00	-28.02	33.00	54.00	-21.00	252.82	205.75
9920.00	V	45.28	74.00	-28.72	32.60	54.00	-21.40	147.80	153.50
12400.00	H	47.76	74.00	-26.24	34.72	54.00	-19.28	115.68	61.00
12400.00	V	48.24	74.00	-25.76	34.65	54.00	-19.35	219.32	55.75
14880.00	H	47.79	74.00	-26.21	35.37	54.00	-18.63	283.26	94.50
14880.00	V	45.79	74.00	-28.21	33.44	54.00	-20.56	257.41	230.75
17360.00	H	49.54	74.00	-24.46	36.39	54.00	-17.61	103.38	133.50
17360.00	V	53.58	74.00	-20.42	40.59	54.00	-13.41	243.44	329.50
Additional harmonic investigations were performed up to 25 GHz. No emissions were observed above the applicable limits or measurement system noise floor.									

BAND EDGE

DATA SHEETS



Band Edges- (Low Channel 2402 GHz)



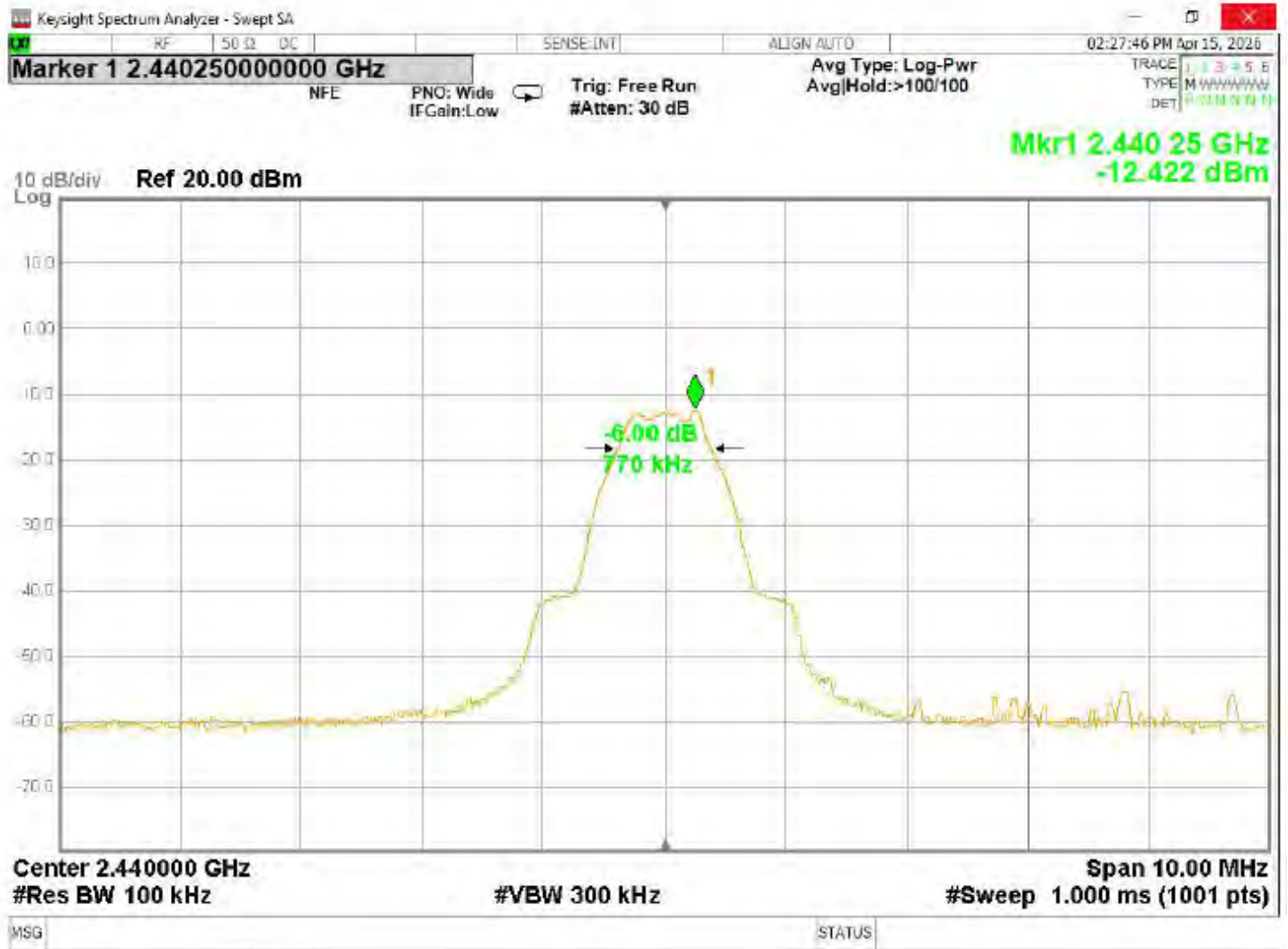
Band Edges- (High Channel 2480 GHz)

-6DB BANDWIDTH

DATA SHEETS



-6 dB Bandwidth- Low Channel (2402 MHz)



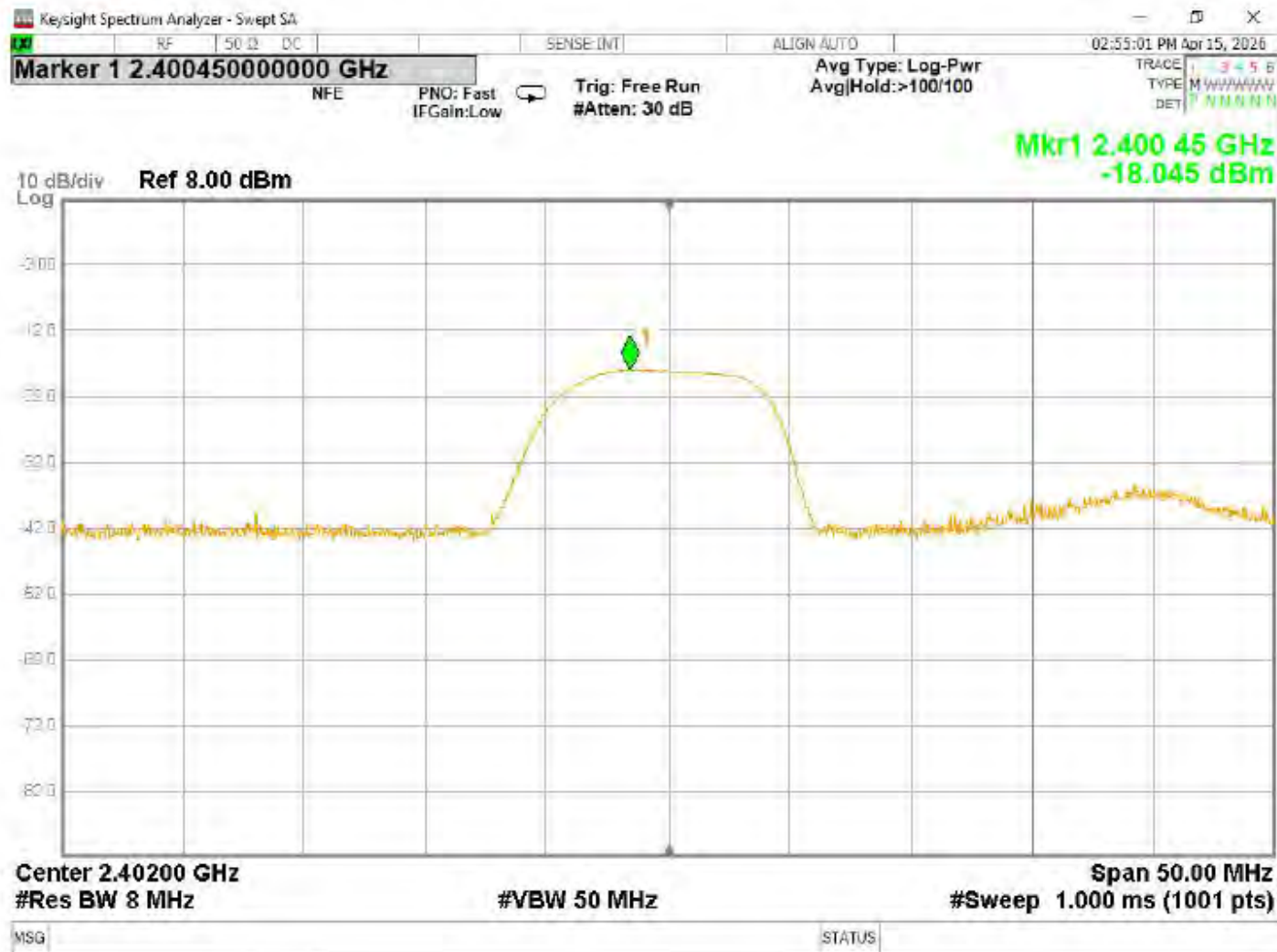
-6 dB Bandwidth- Mid Channel (2440 MHz)



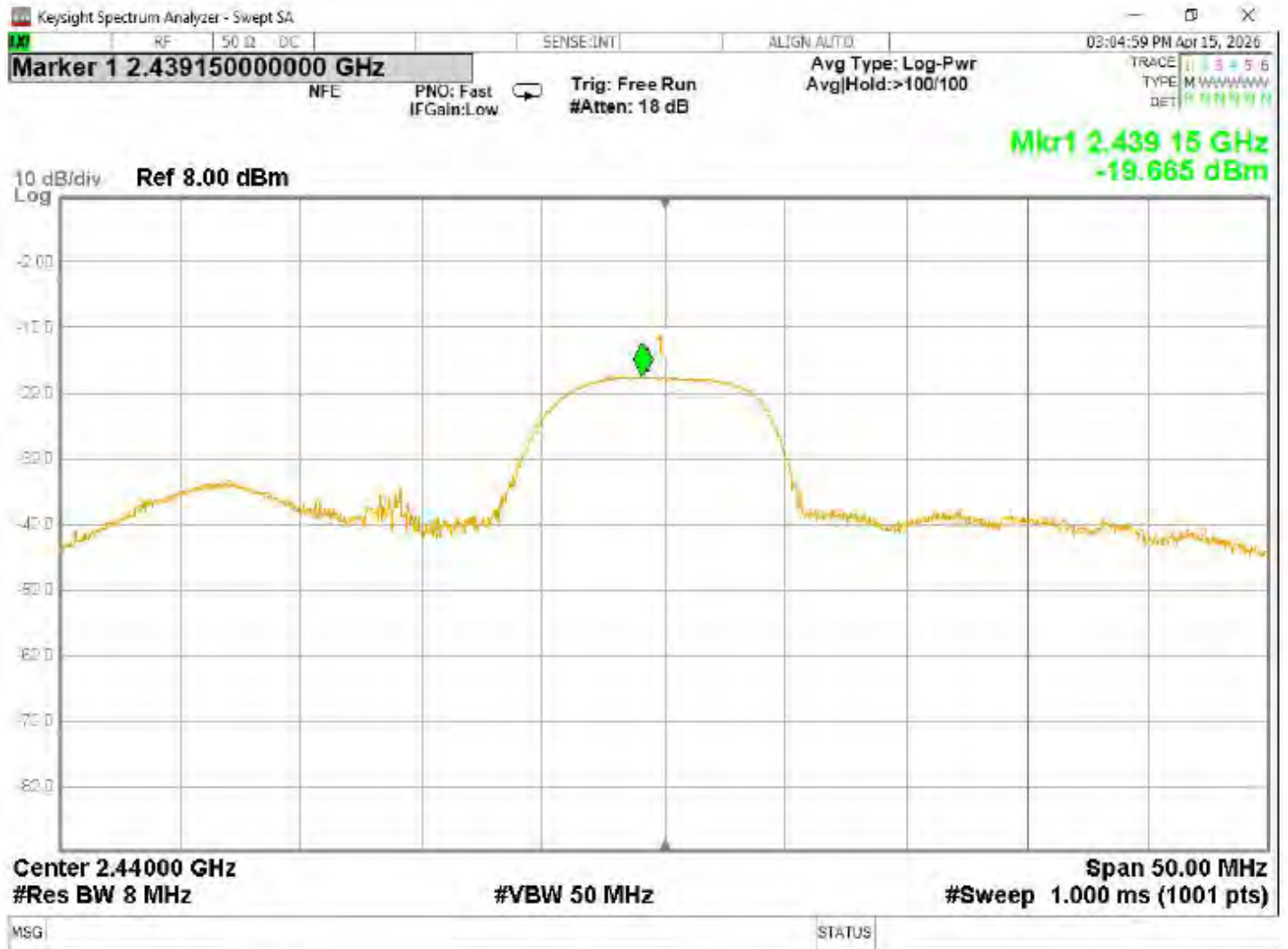
-6 dB Bandwidth- High Channel (2480 MHz)

PEAK POWER OUTPUT

DATA SHEETS



Peak Power Output- Low Channel (2402 MHz)



Peak Power Output- Mid Channel (2440 MHz)



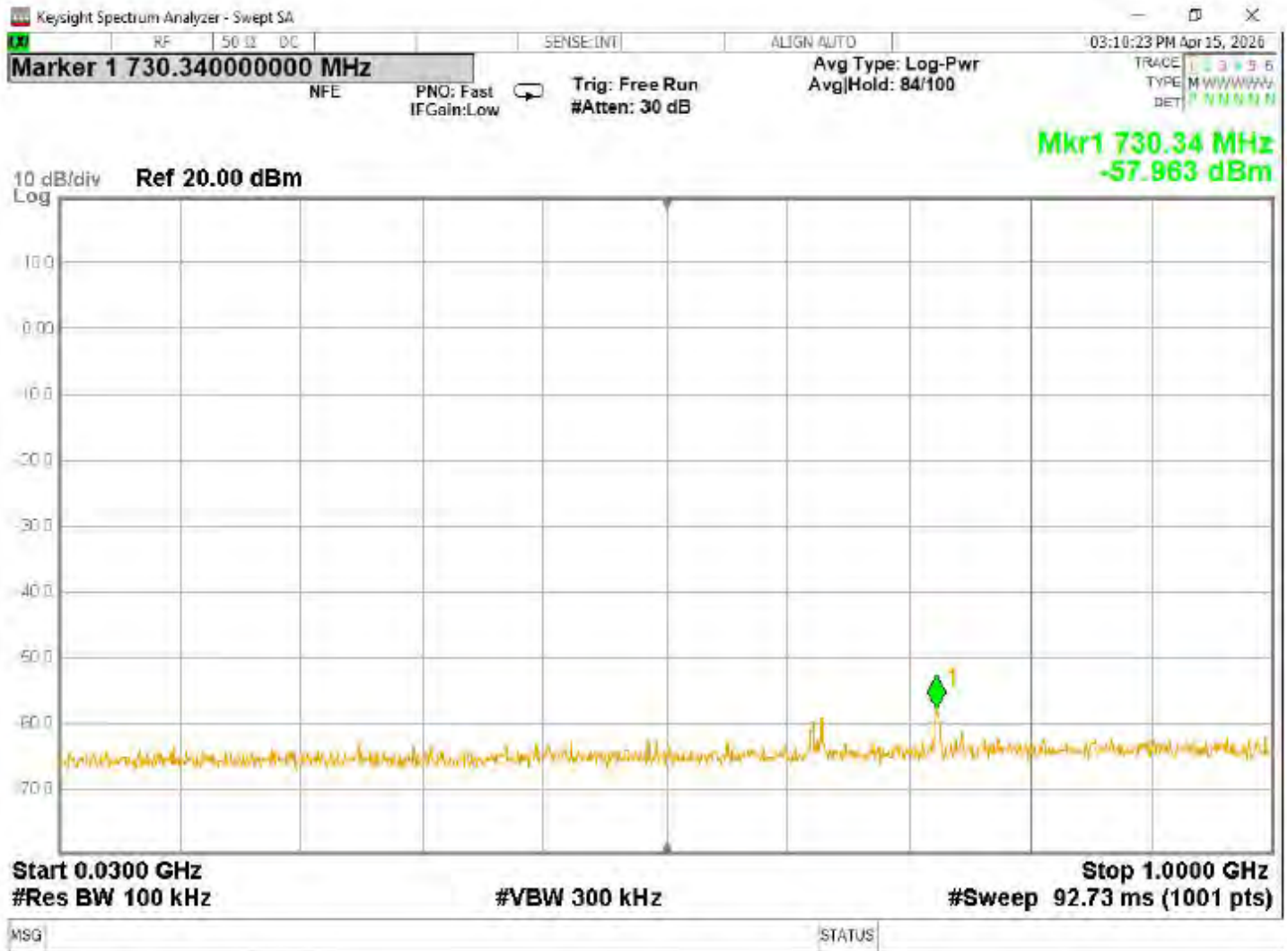
Peak Power Output- High Channel (2480 MHz)

RF ANTENNA CONDUCTED

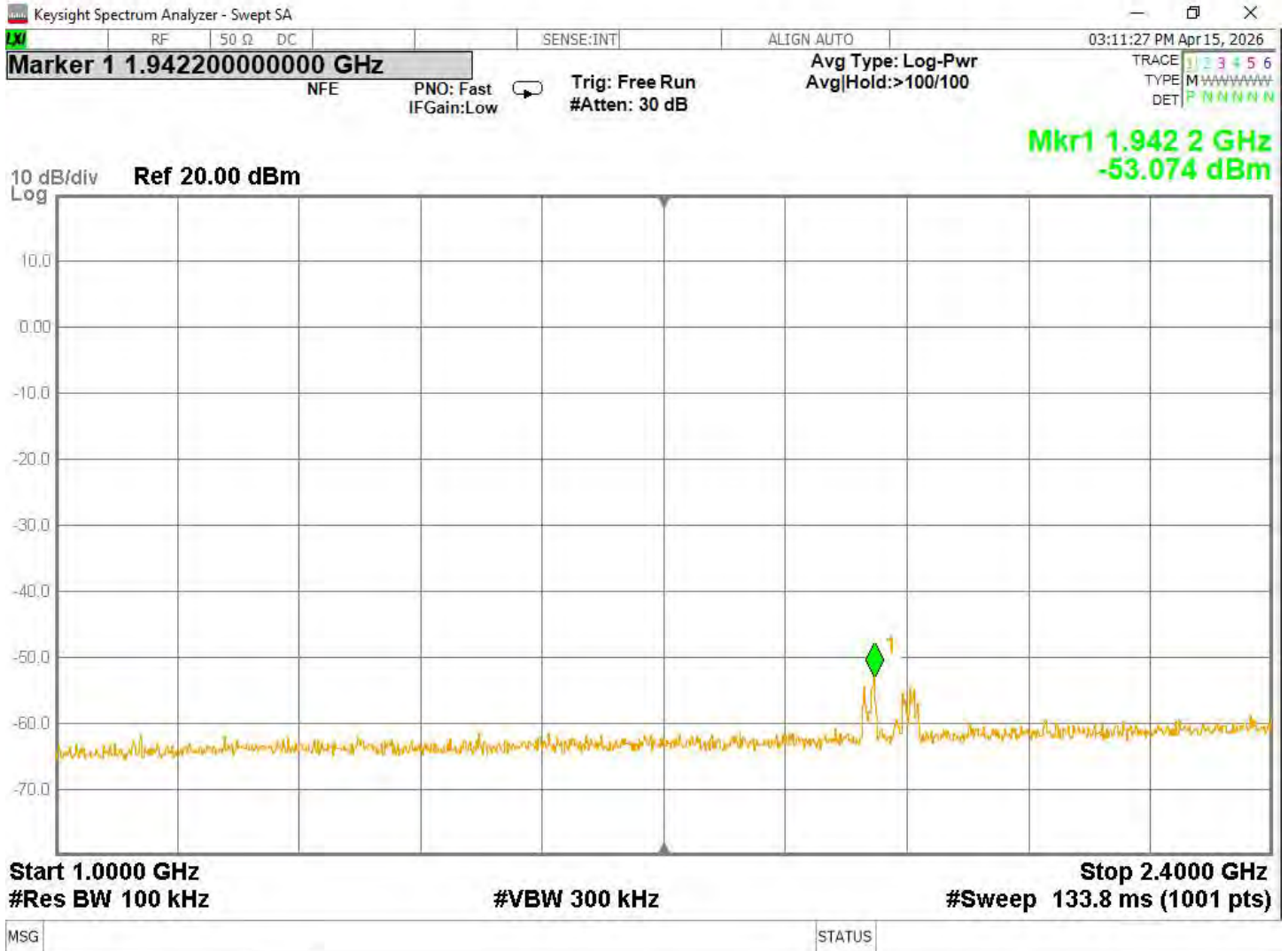
DATA SHEETS



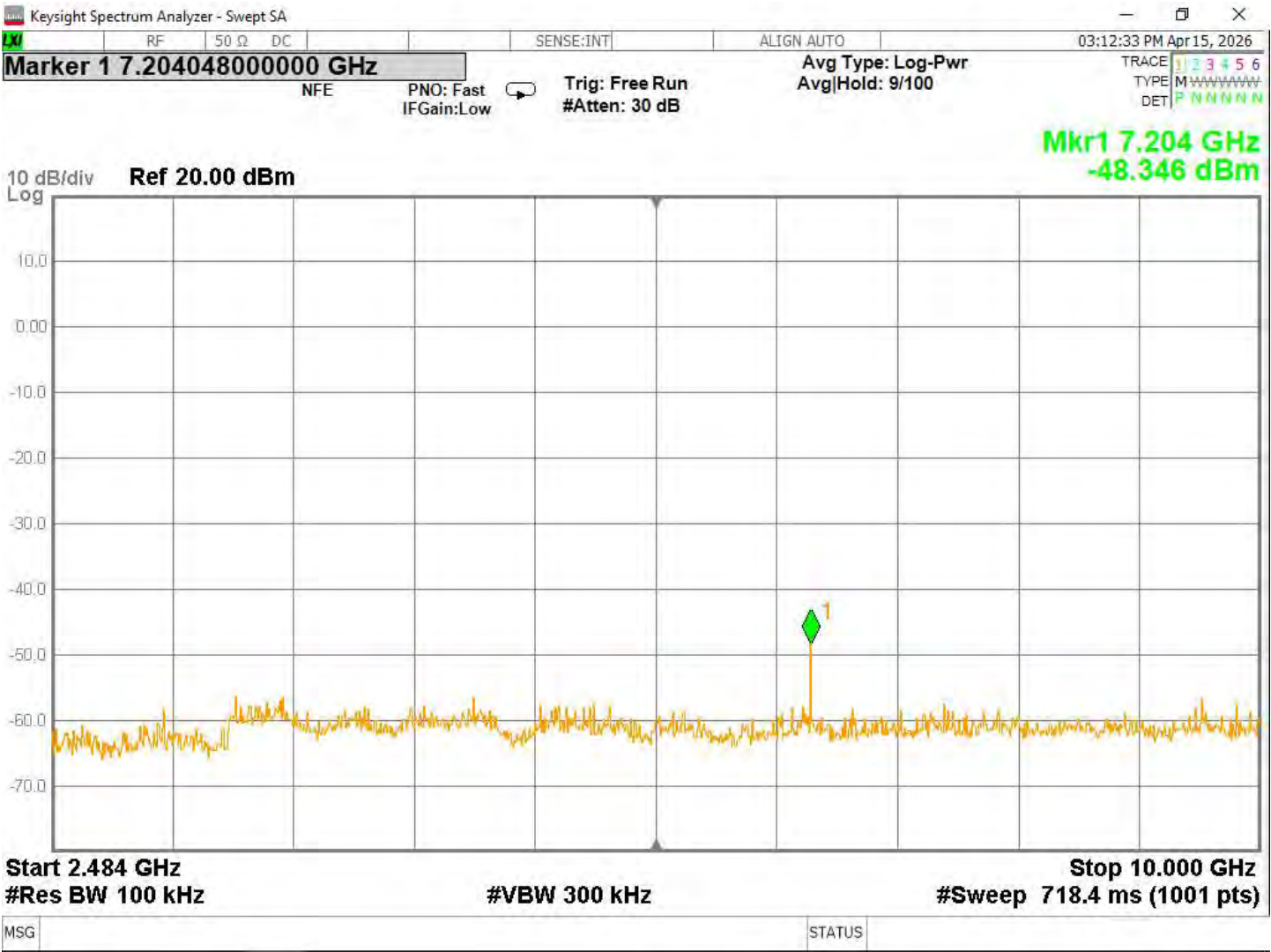
RF Antenna Conducted - Low Channel (2402 MHz REF)



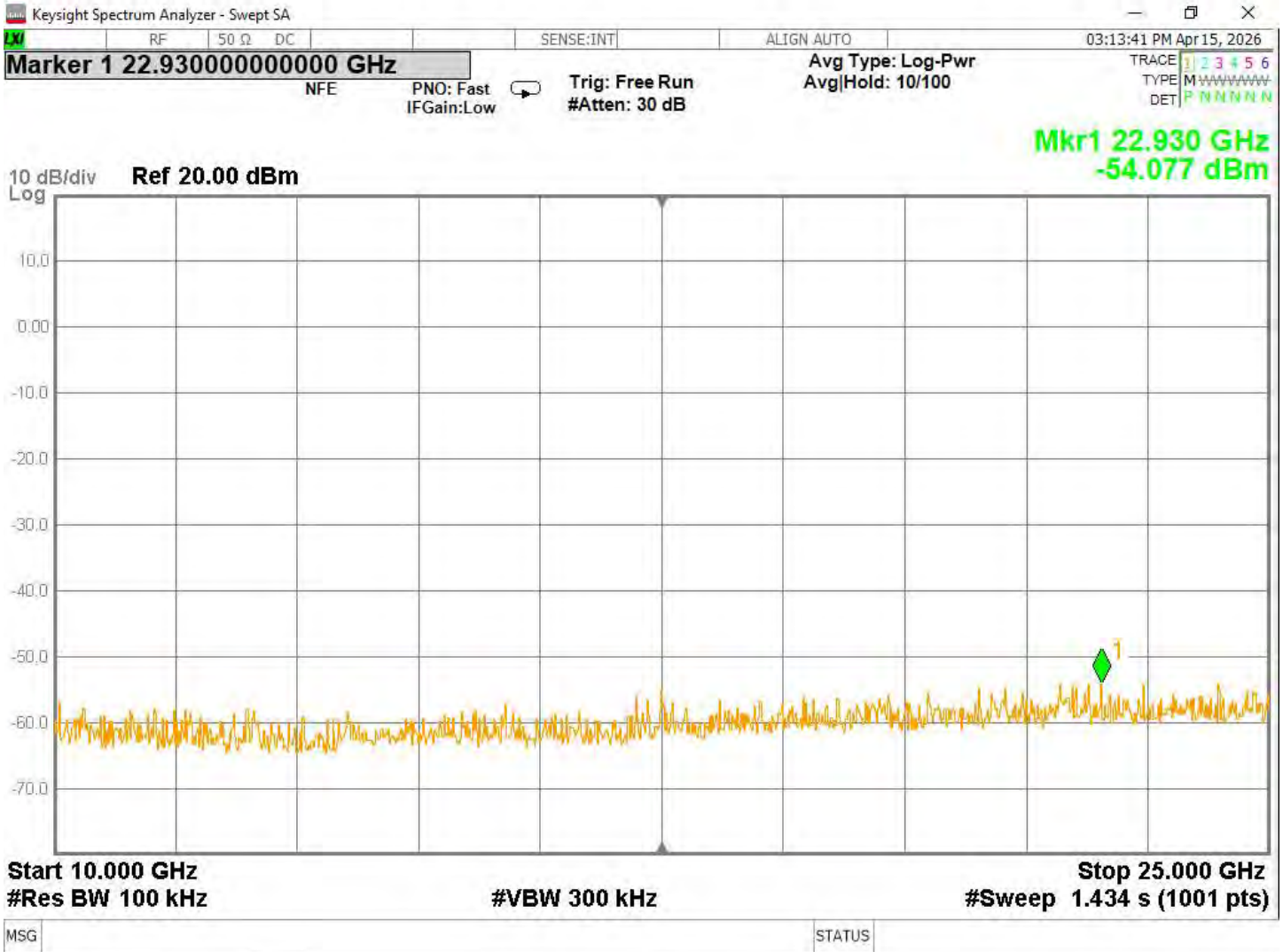
RF Antenna Conducted- Low Channel (30 MHz – 1000 MHz)



RF Antenna Conducted- Low Channel (1 GHz – 2.4 GHz)



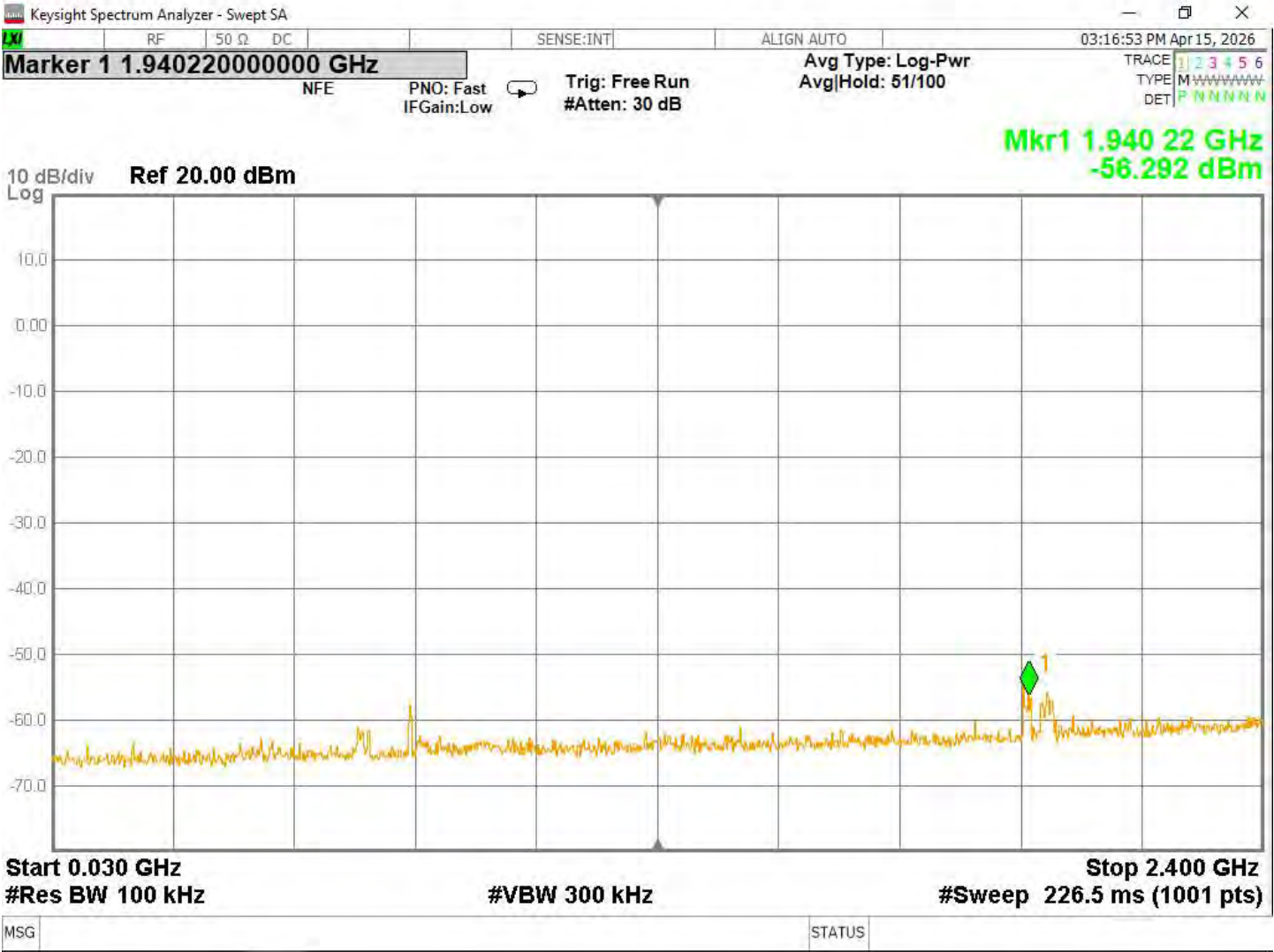
RF Antenna Conducted- Low Channel (2.4 GHz – 10 GHz)



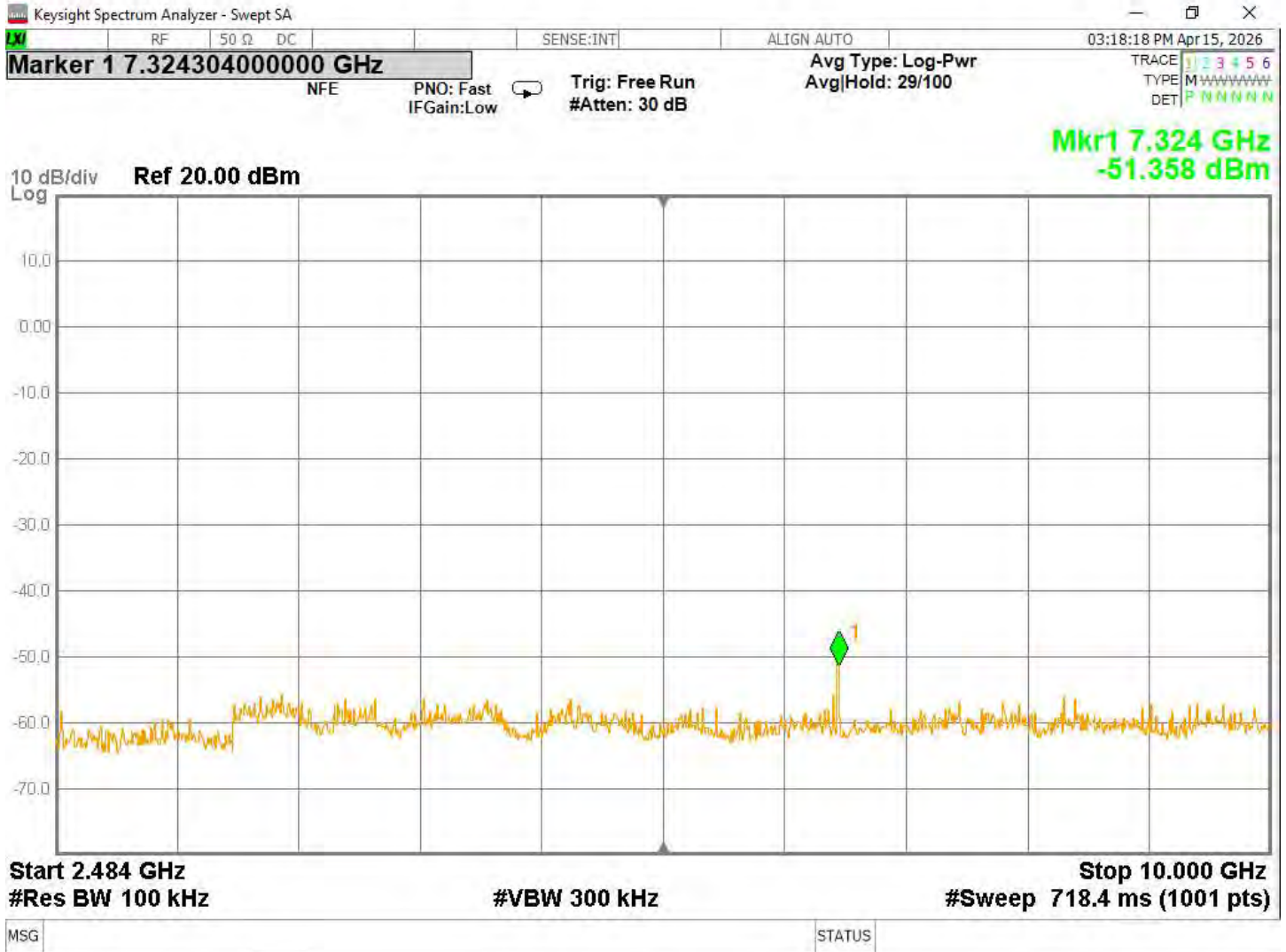
RF Antenna Conducted- Low Channel (10 GHz – 25 GHz)



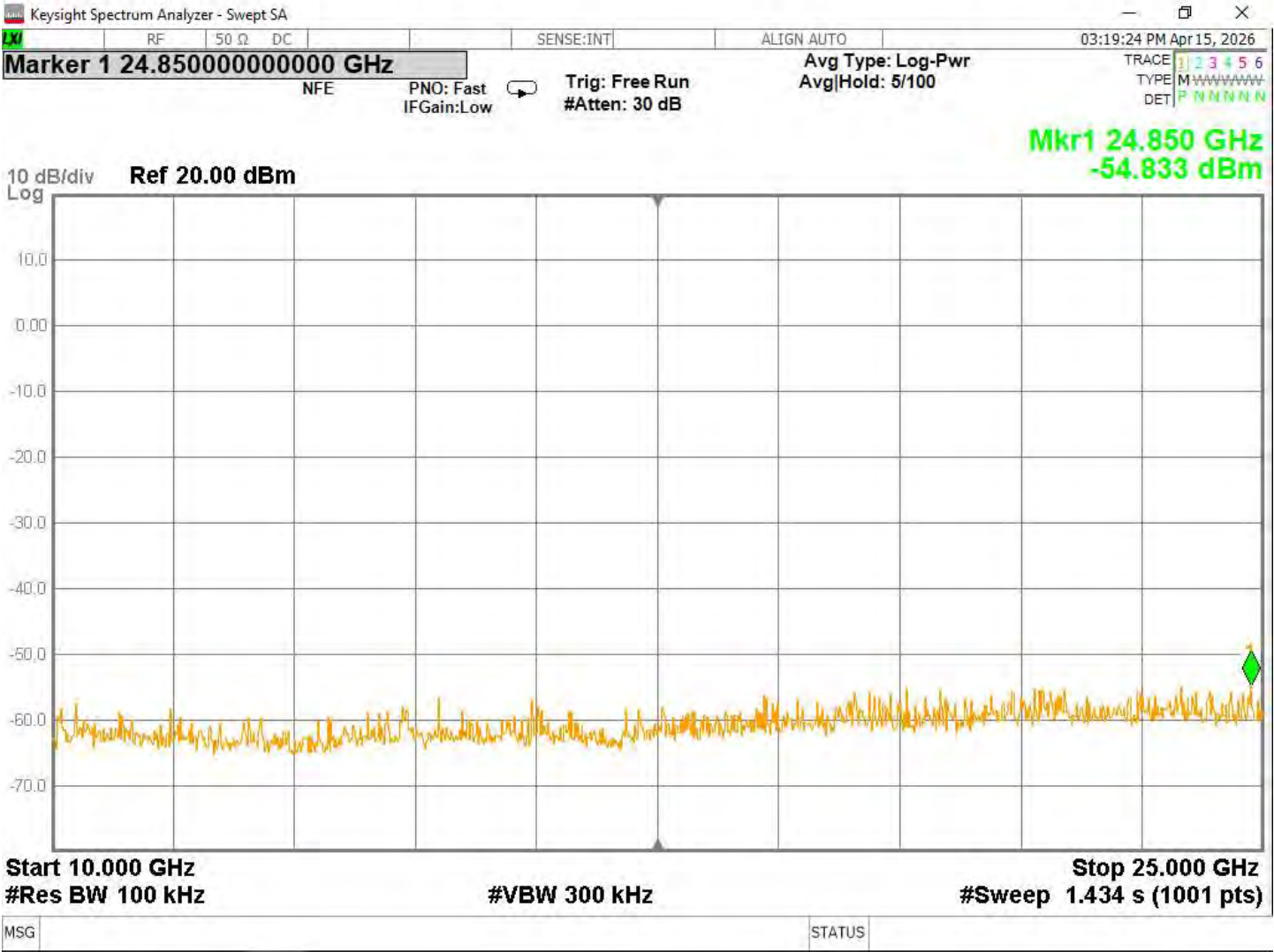
RF Antenna Conducted- Mid Channel (REF)



RF Antenna Conducted- Mid Channel (30 MHz – 2400 MHz)



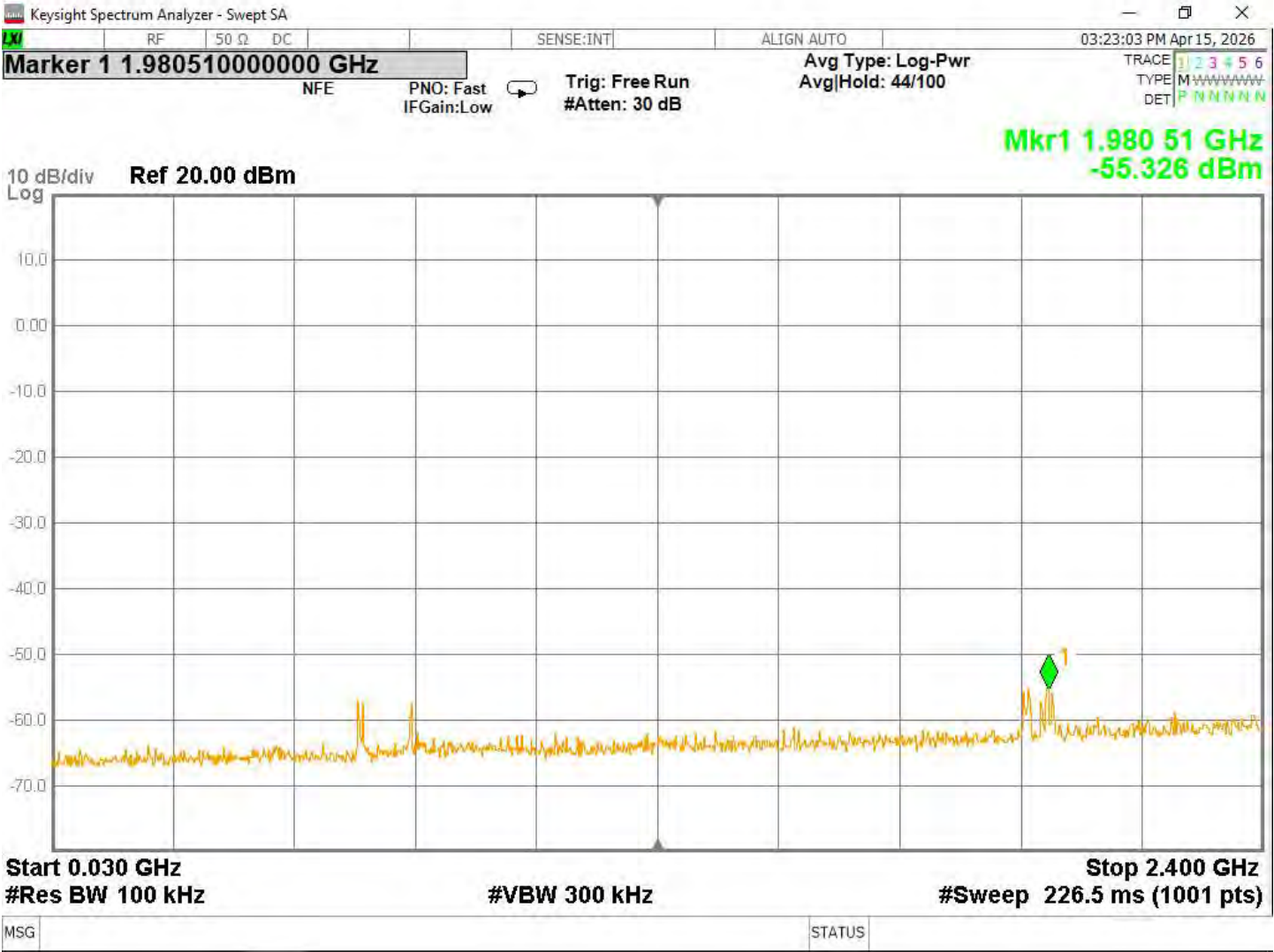
RF Antenna Conducted- Mid Channel (2.484 GHz – 10 GHz)



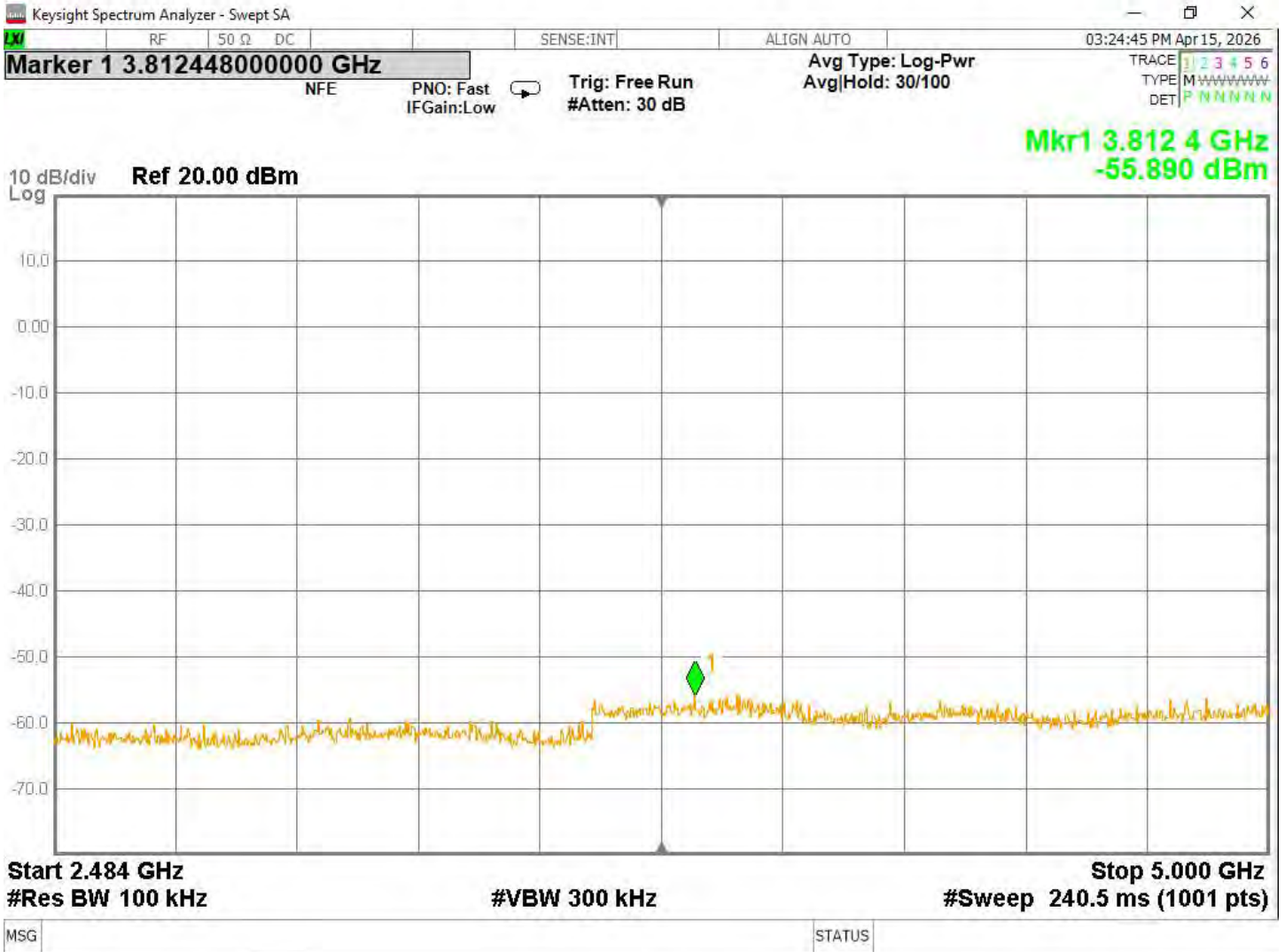
RF Antenna Conducted- Mid Channel (10 GHz – 25 GHz)



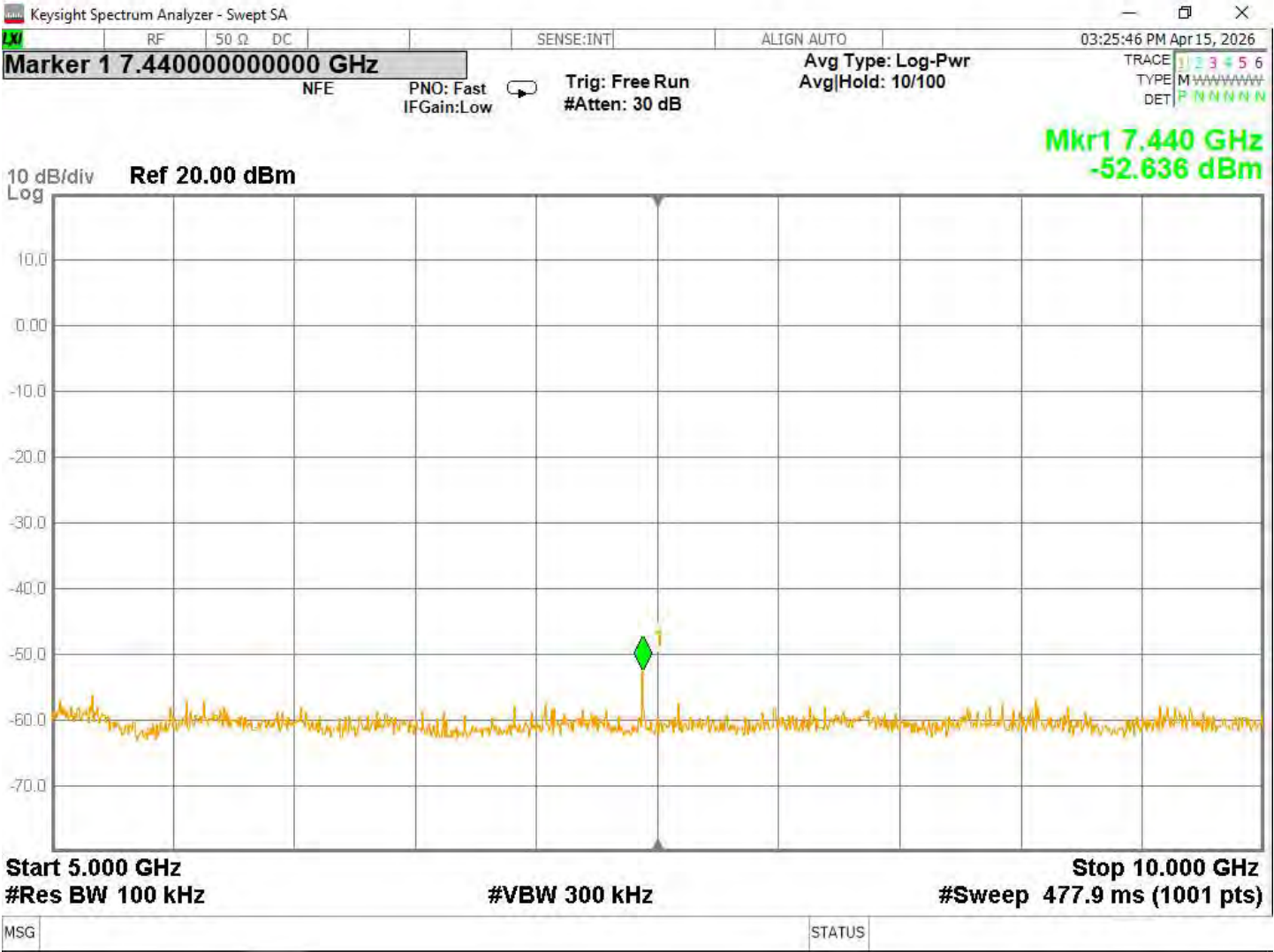
RF Antenna Conducted- High Channel (REF)



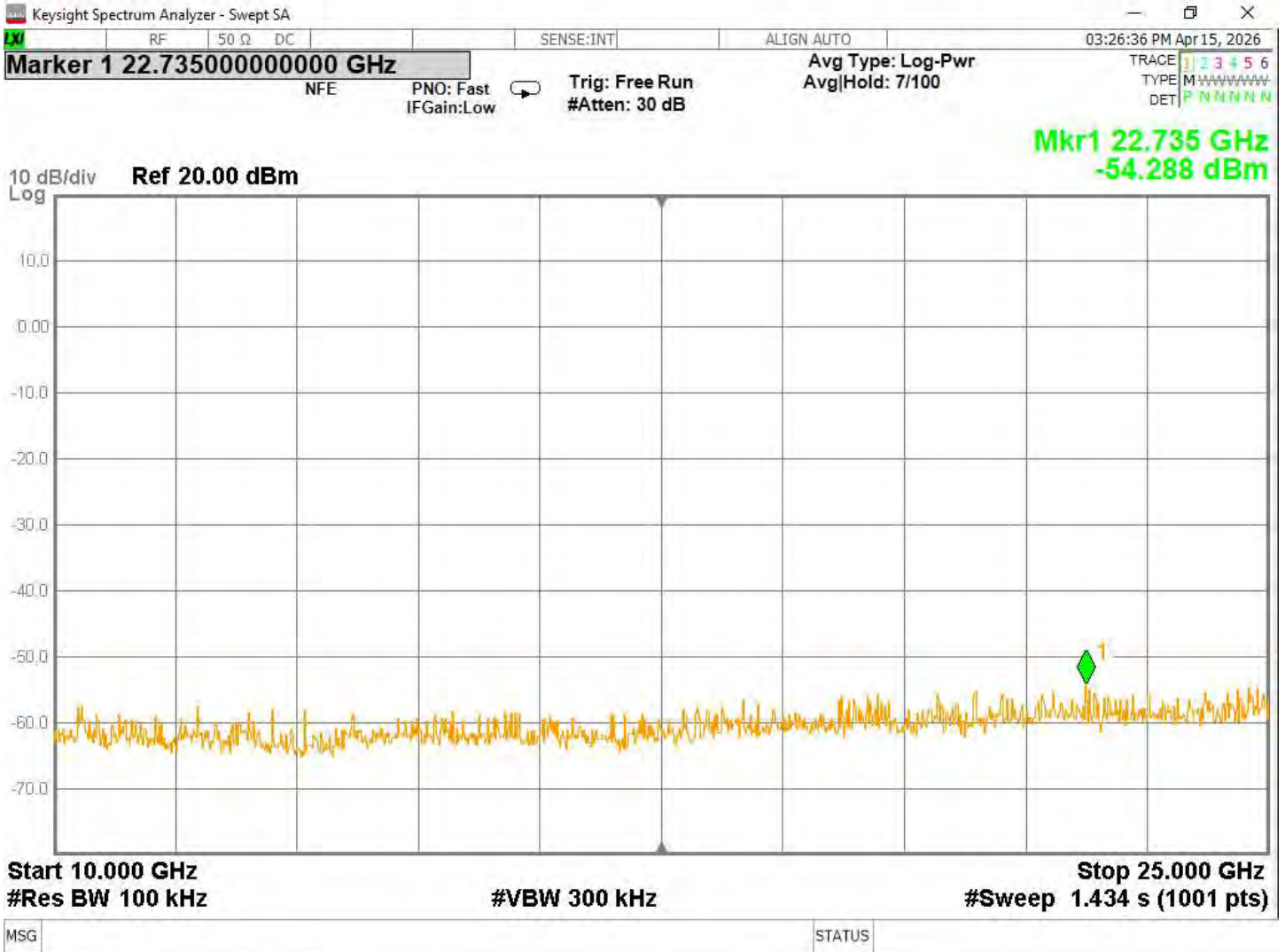
RF Antenna Conducted- Mid Channel (30 MHz – 2400 MHz)



RF Antenna Conducted- High Channel (2.484 GHz – 5 GHz)



RF Antenna Conducted- High Channel (5 GHz – 10 GHz)



RF Antenna Conducted- High Channel (10 GHz – 25 GHz)

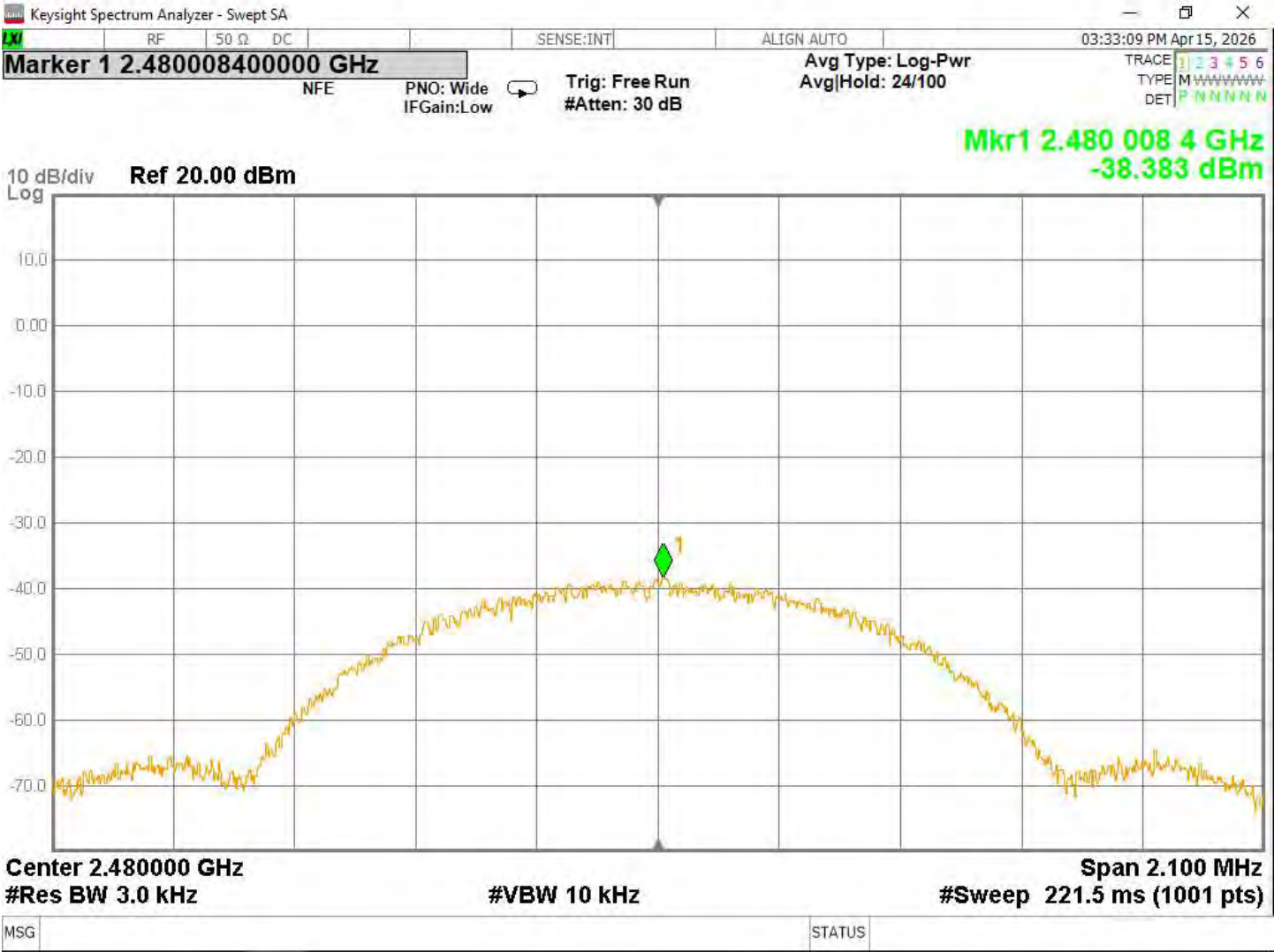
PEAK POWER SPECTRAL DENSITY DATA SHEETS



Peak Power Spectral Density- 2.402 GHz- Low Channel

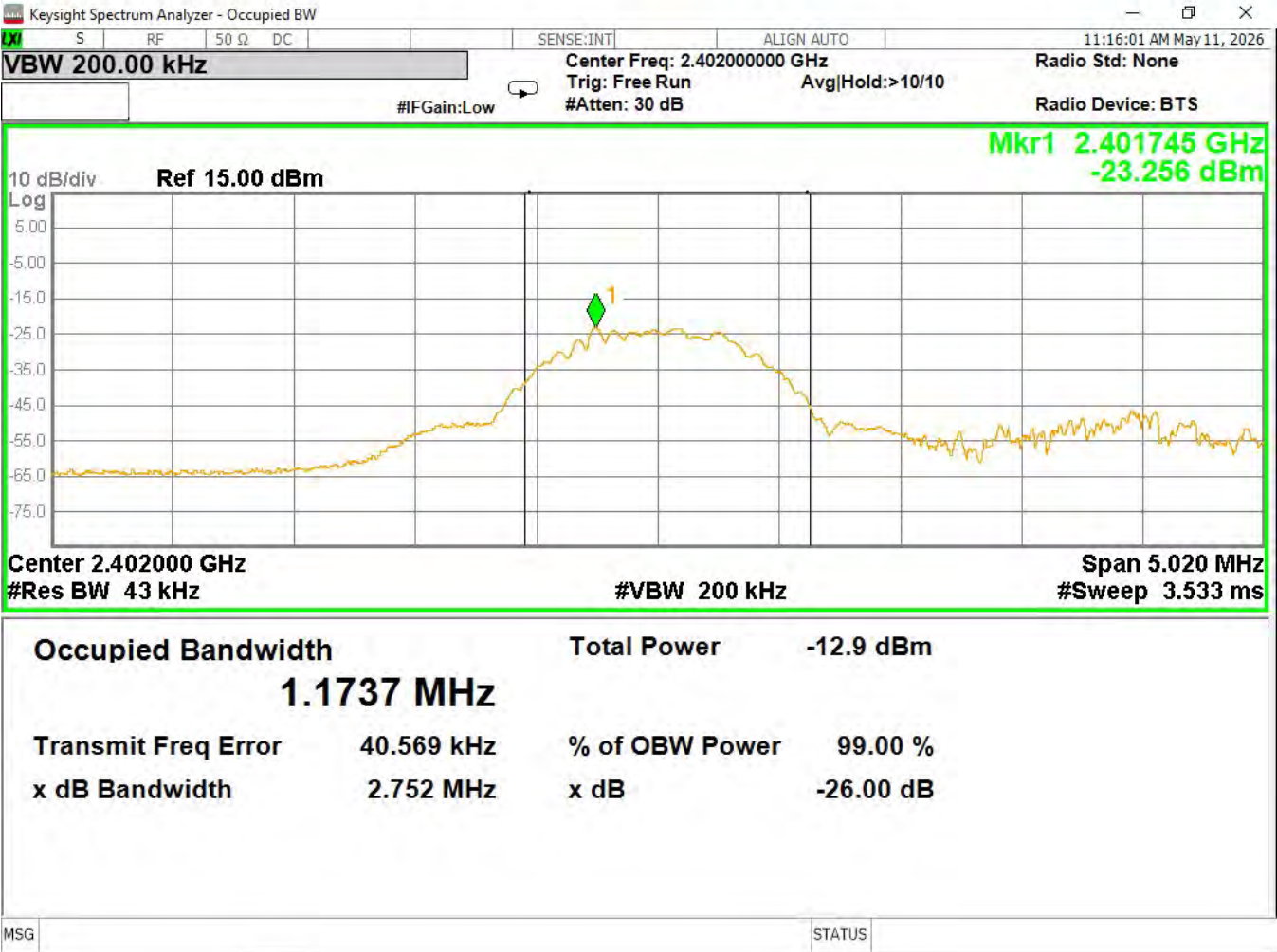


Peak Power Spectral Density – 2.440 GHz- Mid Channel

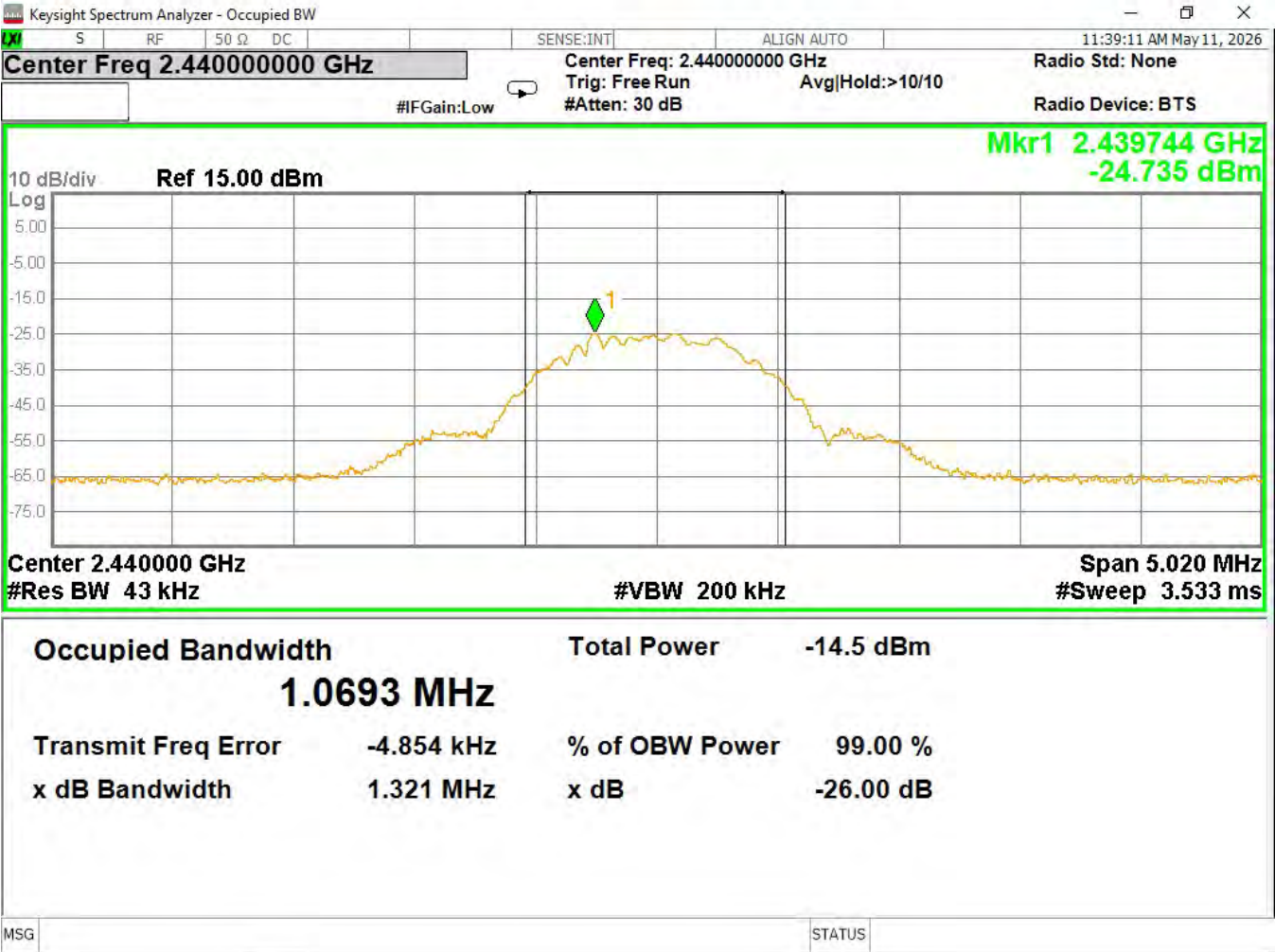


Peak Power Spectral Density – 2.48 GHz- High Channel

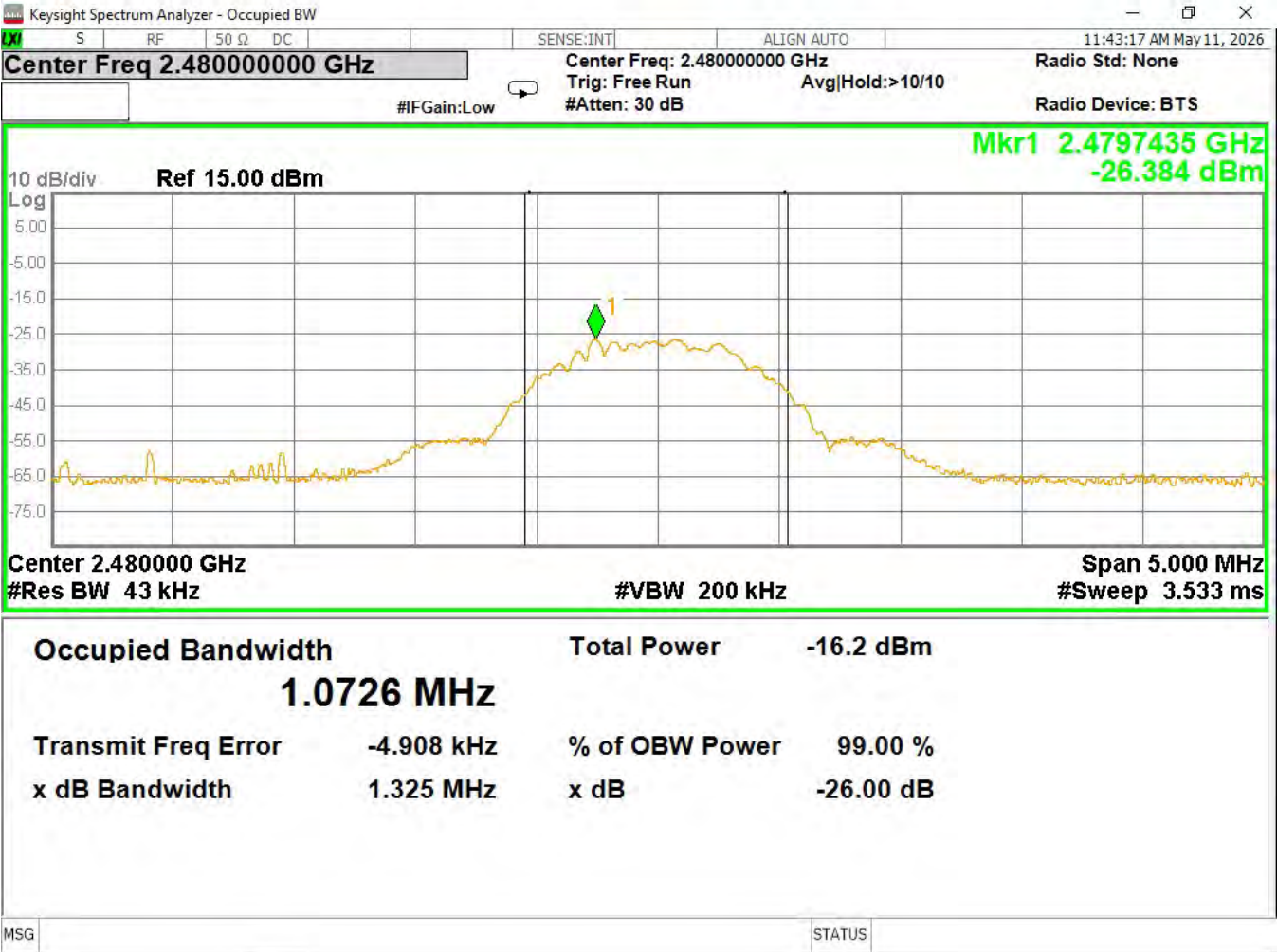
99% BANDWIDTH DATA SHEETS



99% Bandwidth Plot – 2.402 GHz Low Channel



99% bandwidth Plot- 2.440 GHz Mid Channel



99% bandwidth Plot- 2.448 GHz High Channel



CHIP'd, Inc
29970 Technology Drive, Suite 102
Murrieta, CA 92563
www.chipdsports.com

Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

IDENTIFICATION OF PRODUCT: Golf Ball with Embedded Electronics, Model: CS Golf One

RESPONSIBLE PARTY

NAME: Anil K. Agarwal
ADDRESS: 29970 Technology Drive, Suite 102
Murrieta, CA 92563
TELEPHONE: 619-823-4512
EMAIL: anil@chipdsports.com

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device was tested and complies with the limits for a Class B digital device pursuant to 47 CFR Part 15 Subpart B. Compliance was demonstrated by testing as documented in Test Report D60501R1, which includes evaluation of the unintentional radiator.



Anil K. Agarwal
CTO
CHIP'd, Inc.