

TEST REPORT

Report Number. : 15240874-E1V2

Applicant : BELKIN INTERNATIONAL, INC.
555 S. AVIATION BLVD., SUITE 180
EL SEGUNDO, CA 90245, USA

Model : WIZ029

FCC ID : K7SWIZ029

EUT Description : BoostCharge 3-in-1 Magnetic Wireless Charging Stand with Qi2

Test Standard(s) : FCC 47 CFR PART 15 SUBPART C

Date Of Issue:
2024-06-05

Prepared by:
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Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2024-05-31	Initial Issue	---
V2	2024-06-05	Updated section 8.1, section 8.2 to address TCB's questions	Tina Chu

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: BELKIN INTERNATIONAL, INC.
555 S. AVIATION BLVD., SUITE 180
EL SEGUNDO, CA 90245, USA

EUT DESCRIPTION: BoostCharge 3-in-1 Magnetic Wireless Charging Stand with Qi2

MODEL NUMBER: WIZ029

BRAND: belkin

SERIAL NUMBER: 7210268 (Unit#4)

SAMPLE RECEIPT DATE: 2024-05-03

DATE TESTED: 2024-05-15 TO 2024-06-04

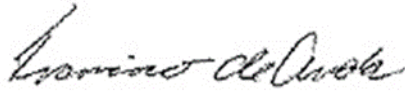
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC PART 15 SUBPART C	Complies

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document.

Approved & Released For
UL Verification Services Inc. By:



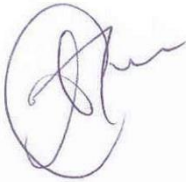
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2. TEST METHODOLOGY

This report contains data provided by the customer which can impact the validity of results. UL Verification Services Inc. is only responsible for correctly integrating customer-provided data with measurements performed by UL Verification Services Inc.

The tests documented in this report were performed in accordance with:

- ANSI C63.10-2013
- FCC CFR 47 Part 2
- FCC CFR 47 Part 15
- KDB 414788 D01 Radiated Test Site

3. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, certification #0751.05, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☐	Building 1: 47173 Benicia Street, Fremont, CA 94538, USA	US0104	2324A	550739
☐	Building 2: 47266 Benicia Street, Fremont, CA 94538, USA			
☒	Building 4: 47658 Kato Rd, Fremont, CA 94538, USA			

4. DECISION RULES AND MEASUREMENT UNCERTAINTY

4.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

4.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	U _{Lab}
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	2.75%
Worst Case Conducted Disturbance, 9KHz to 0.15 MHz	3.78 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.40 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz (E-field)	2.84 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz (H-field)	2.87 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	6.01 dB
Time Domain Measurements	3.39%
Temperature	0.57°C
Relative Humidity	3.39%

Uncertainty figures are valid to a confidence level of 95%.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT, BoostCharge 3-in-1 Magnetic Wireless Charging Stand with Qi2, is a 3-in-1 wireless charging pad containing an adjustable foldable Qi2 MPP/BPP 15W module, a Qi BPP 5W pad, and an Apple Watch charging module. The EUT has three separate charging coils that can inductively charge three client devices at the same time.

The first coil is used for charging a Qi2 compatible device at 360kHz (15W max), a Qi compatible device at 127.7kHz (7.5W max), and an AirPods case at 127.7kHz (1W max). The second coil is used to charge a Qi compatible device at 111kHz to 148kHz (5W Max). The third coil is used for charging an Apple Watch at 326.5kHz or 1.778MHz (5W Max).

The EUT receives power through a USB-C to USB-C cable connected to a bundled 36W USB-C PD AC/DC adapter.

5.2. MAXIMUM E-FIELD STRENGTH

The transmitter has maximum peak radiated electric field strength as follows:

Fundamental Frequency (kHz)	E field (300m distance) FCC (dBuV/m)
Standby	Coil#2 111-148kHz: -6.96 Coil#3 326.5kHz: -24.49
360 (Coil#1, MagSafe iPhone 15W)	-22.92
127.7 (Coil#1, Legacy iPhone 7.5W)	-14.9
127.7 (Coil#1, AirPods Case 1W)	-7.1
111 to 148 (Coil#2, Legacy iPhone, 5W Max)	3.22
111 to 148 (Coil#2, AirPods Pro Case, 5W Max)	-8.9
326.5 (Coil#3, Legacy Watch, 5W Max)	-30.87
Config 9	Coil#1 360kHz: -22.86 Coil#2 112kHz: 4.29
Fundamental Frequency (kHz)	E field (30m distance) FCC (dBuV/m)
1778 (Coil#3, Watch, 5W Max)	8.12
Config 9	Coil#3 1778kHz: 6.31

5.3. SOFTWARE AND FIRMWARE

The firmware version installed in the EUT during testing was:

Coil#1: 360kHz/127.7kHz: V1.8

Coil#2: 111 to 148kHz: V0.3

Coil#3: 326.5kHz /1.778MHz: V2.0.3

5.4. WORST-CASE CONFIGURATION

Testing for MagSafe iPhone15, watches and AirPods Pro case are based on direct contact with no shifts in position due to the embedded magnets around the wireless charging coils.

The legacy iPhone does not have an embedded magnet and is placed at the maximum power position during the testing.

For the entire radiated emissions test, the EUT was tested in desktop mode in the following configurations. The client devices were charging between 10% to 50% state of charge.

Radiated spurious emission 30MHz to 1GHz and AC conducted emissions were performed on Configuration 1, 9 at EUT minimum and maximum loads as worst-case.

The coil 1 and coil 2 charging pad can be upright or flatbed positions, investigations have been performed on upright and flatbed positions. The following configurations were tested:

Config	Descriptions	Frequency	Client and worst-case orientation
1	EUT stand alone, standby, powered by AC/DC adapter.	@111kHz to 148kHz @326.5kHz 127.7kHz, 360kHz and 1.778MHz were not observed	None. Standby.
2	Direct contact during charging/operating between the EUT & WPT Client, EUT is powered by AC/DC adapter.	@360kHz	1 st coil: MagSafe iPhone15 . 180 degrees when the lighting connector facing up. Charging pad upright.
3		@127.7kHz	1 st coil: Legacy iPhone. 0 degrees when the lighting connector is facing down. Charging pad is flat.
4		@127.7kHz	1 st coil: AirPods Pro Case. 90 degrees when the lighting connector is 90 degrees facing to the right. Charging pad upright
5		@111kHz to 148kHz	2 nd coil: Legacy iPhone. None, only one configuration.
6		@111kHz to 148kHz	2 nd coil: AirPods Pro Case. 0 degrees when the lighting connector is facing towards end user.
7		@326.5kHz	3 rd coil: Legacy Apple Watch. 0 degrees when the home button at 3 o'clock. Coil is upright.
8		@1.778MHz	3 rd coil: New Apple Watch . 0 degrees when the home button at 3 o'clock. Coil is upright
9		@360kHz @111kHz to 148kHz @ 1.778MHz	1 st coil: MagSafe iPhone15. 180 degrees when the lighting connector facing down. Charging pad upright. 2 nd coil: Legacy iPhone. None 3 rd coil: New Apple Watch. 0 degrees when the home button at 3 o'clock. Coil is flat.

6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

RADIATED EMISSIONS TEST EQUIPMENT LIST					
Description	Manufacturer	Model	ID Num	Cal Due	Last Cal
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO METRICS	EM-6871	219909	2024-06-30	2023-06-20
Antenna, Passive Loop 100KHz - 30MHz	ELECTRO METRICS	EM-6872	219911	2024-12-31	2023-12-05
Antenna, Broadband Hybrid, 30MHz to 3GHz	Sunol Sciences Corp.	JB3	203089	2025-04-30	2024-04-9
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	225688	2025-02-11	2024-02-11
Amplifier, 9KHz to 1GHz, 32dB	SONOMA INSTRUMENT	310	175953	2025-03-31	2024-04-04
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	230547	2025-02-28	2024-02-11
Amplifier, 9KHz to 1GHz, 32dB	SONOMA INSTRUMENT	310	170647	2025-03-31	2024-03-25
AC MAINS LINE CONDUCTED EMISSIONS TEST EQUIPMENT LIST					
Description	Manufacturer	Model	ID Num	Cal Due	Last Cal
LISN	Fischer Custom Communications, Inc`	FCC-LISN-50/250-25-2-01-480V	175765	2025-01-31	2024-01-26
EMI TEST RECEIVER	Rohde & Schwarz	ESR	171646	2025-02-28	2024-02-27
Transient Limiter	TE	TBFL1	207996	2024-08-31	2023-08-10
UL AUTOMATION SOFTWARE					
Radiated Software	UL	UL EMC	Rev 9.5 2023-05-01		
AC Line Conducted Software	UL	UL EMC	Rev 9.5 2023-03-03		

7. OCCUPIED BANDWIDTH

TEST PROCEDURE

The transmitter output is connected to the spectrum analyzer. The RBW is set to 300Hz. The VBW is set to 3 times the RBW. The sweep time is coupled. The spectrum analyzer internal 99% bandwidth function is utilized.

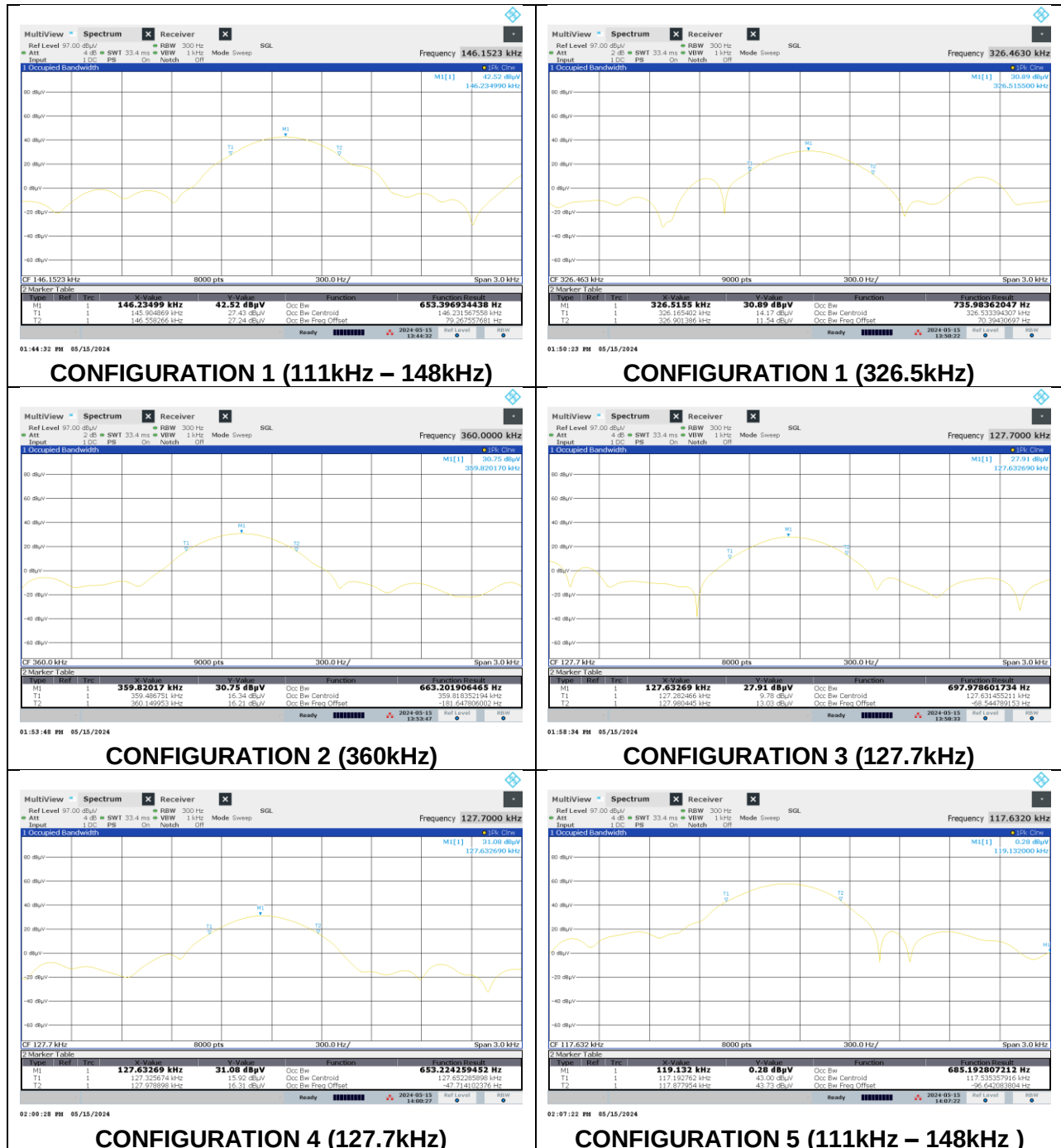
Note: Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.

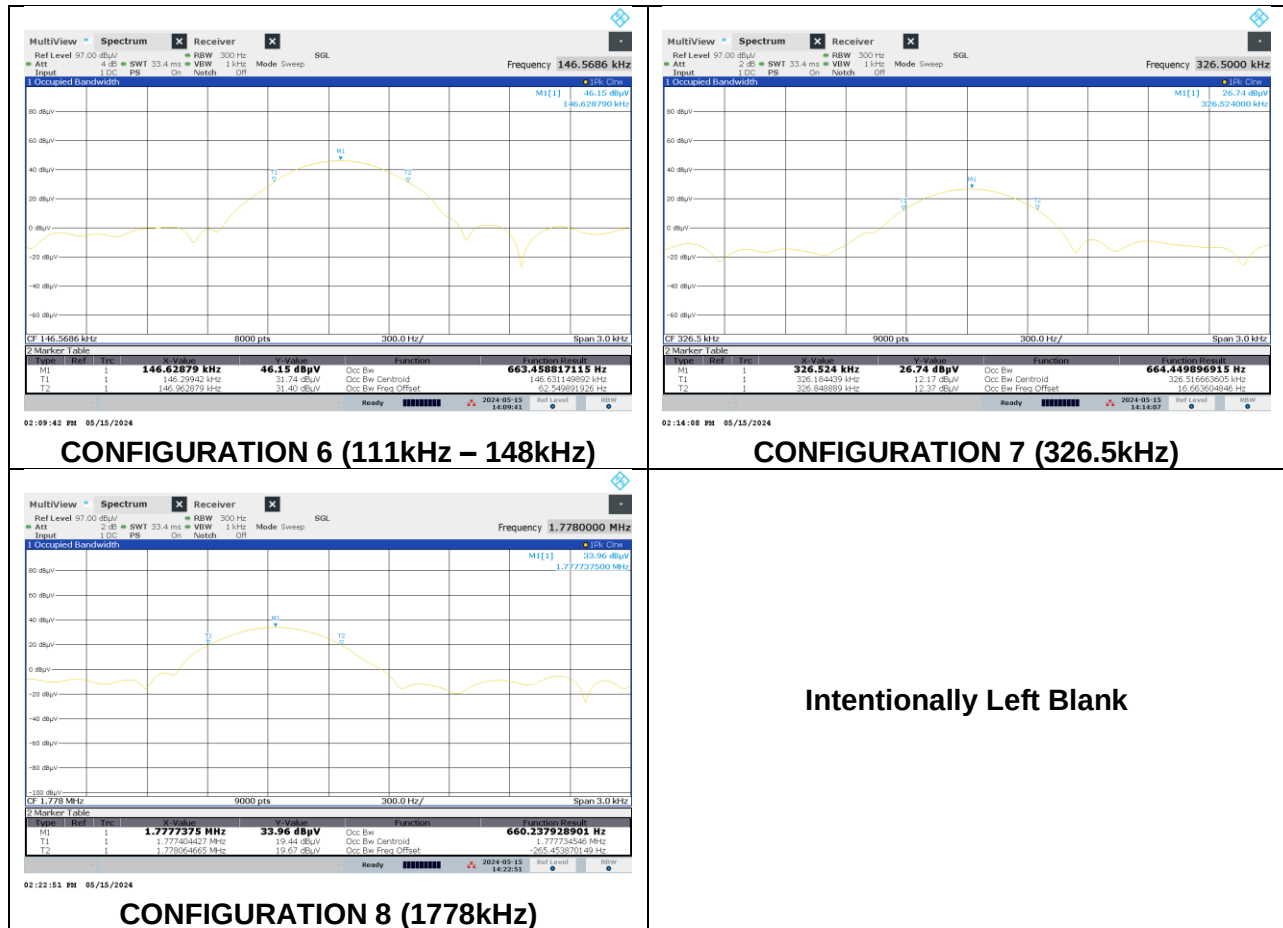
RESULTS

Test Engineer:	20756, CW
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Configuration	Frequency (kHz)	99% Bandwidth (Hz)
1 (Coil#2)	111-148	653.4
1(Coil#3)	326.5	735.98
2	360	663.20
3	127.7	697.98
4	127.7	653.22
5	111-148	685.19
6	111-148	663.46
7	326.5	664.45
8	1778	660.24

Configuration 1, Coil#1: N/A. No noticeable intended radiator





8. RADIATED EMISSION TEST RESULTS

8.1. LIMITS AND PROCEDURE

LIMIT

FCC §15.209 (a)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (m)
0.009–0.490	2400/F(kHz)	300
0.490–1.705	24000/F(kHz)	30
1.705–30.0	30	30
30–88	100	3
88 to 216	150	3
216 to 960	200	3
Above 960 MHz	500	3

Note: The lower limit shall apply at the transition frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 30MHz, the resolution bandwidth 9kHz to 150kHz is set to 300Hz, video bandwidth is set to 1kHz. 150kHz to 30MHz, the resolution bandwidth is set to 10kHz, video bandwidth is set to 30kHz.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only. Blue color trace on plots: Parallel orientation (face on). Green color trace on plots: Perpendicular orientation (face off).

KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

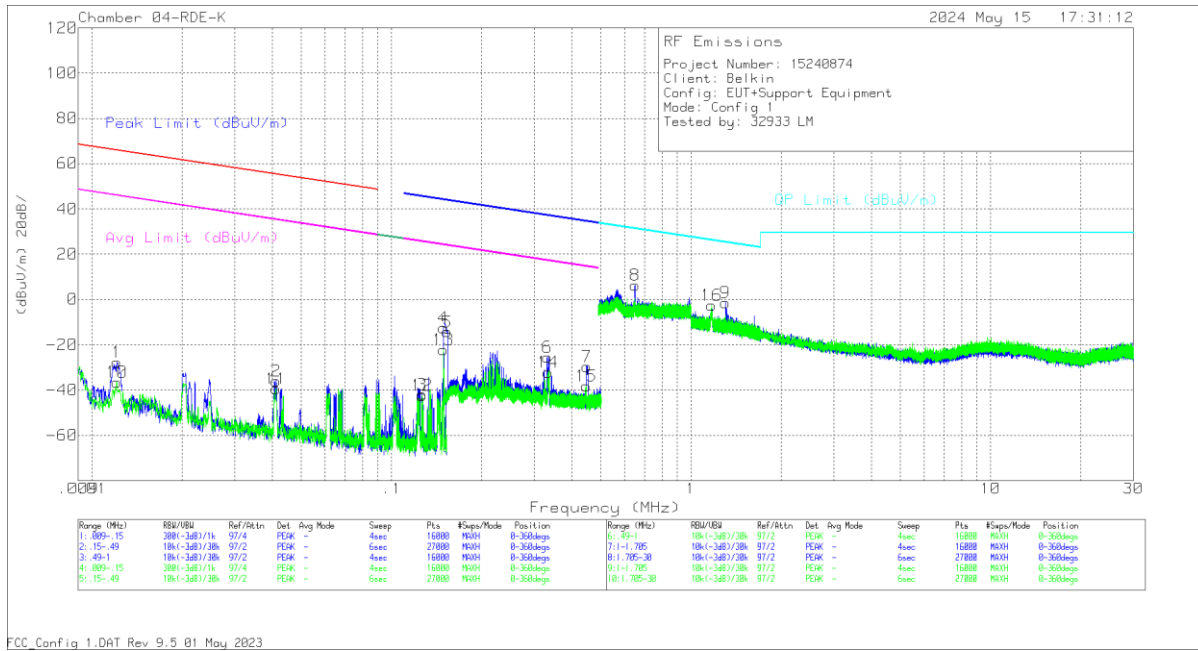
Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

RESULTS

8.2. FCC TX FUNDAMENTAL AND SPURIOUS EMISSIONS FROM 9 kHz TO 30 MHz

8.2.1. CONFIGURATION 1: WPT ON STANDBY

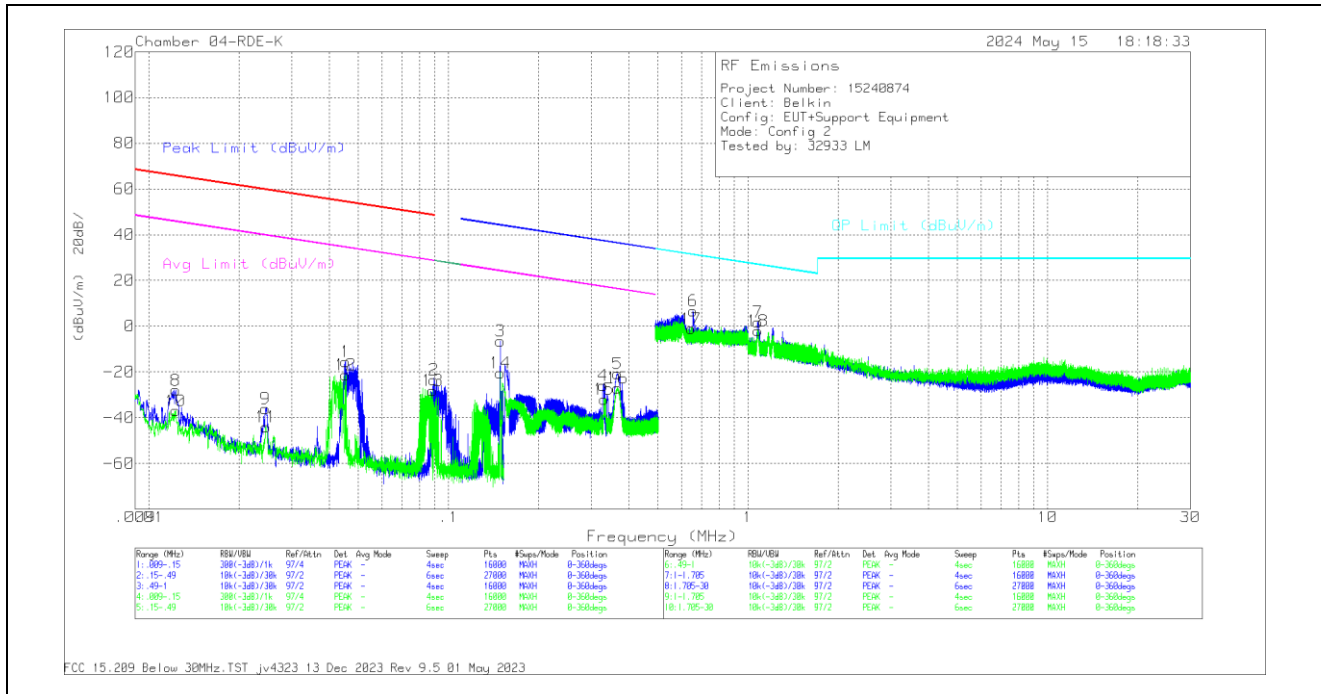


DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF) (dBuV/m)	Amp/Cbl (dB)	Dist Corr 300m (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.0121	23.32	Pk	60	-31.1	-80	-	-27.78	65.9	-93.68	45.9	-73.68	-	-	0-360	Face On
10	.0121	14.59	Pk	60	-31.1	-80	-	-36.51	65.93	-102.44	45.93	-82.44	-	-	0-360	Face Off
2	.0411	19.19	Pk	57.2	-32.4	-80	-	-36.01	55.3	-91.31	35.3	-71.31	-	-	0-360	Face On
11	.0412	15.72	Pk	57.2	-32.4	-80	-	-39.48	55.29	-94.77	35.29	-74.77	-	-	0-360	Face Off
3	.1263	20.45	Pk	55.8	-32.3	-80	-	-36.05	45.6	-81.65	25.6	-61.65	-	-	169	Face On
12	.127	15.85	Pk	55.8	-32.3	-80	-	-40.65	45.55	-86.2	25.55	-66.2	-	-	209	Face Off
4	.1463	49.34	Pk	55.9	-32.2	-80	-	-6.96	44.32	-51.28	24.32	-31.28	-	-	6	Face On
13	.1463	36.6	Pk	55.9	-32.2	-80	-	-19.7	44.32	-64.02	24.32	-44.02	-	-	79	Face Off
5	.1535	42.07	Pk	55.9	-32.3	-80	-	-14.33	43.9	-58.23	23.9	-38.23	-	-	0-360	Face On
6	.3265	31.41	Pk	56.2	-32.1	-80	-	-24.49	37.33	-61.82	17.33	-41.82	-	-	26	Face On
14	.3256	25.19	Pk	56.2	-32.1	-80	-	-30.71	37.36	-68.07	17.36	-48.07	-	-	316	Face Off
15	.4464	17.98	Pk	56.1	-32.3	-80	-	-38.22	34.61	-72.83	14.61	-52.83	-	-	0-360	Face Off
7	.4483	26.47	Pk	56.1	-32.3	-80	-	-29.73	34.57	-64.3	14.57	-44.3	-	-	0-360	Face On
8	.6503	22.18	Pk	56.2	-32.2	-	-40	6.18	-	-	-	-	31.35	-25.17	0-360	Face On
16	1.1717	23.62	Pk	46	-32.1	-	-40	-2.48	-	-	-	-	26.25	-28.73	0-360	Face Off
9	1.3032	25.39	Pk	45.3	-32.1	-	-40	-1.41	-	-	-	-	25.33	-26.74	0-360	Face On

Pk - Peak detector

8.2.2. CONFIGURATION 2: OPERATING MODE WITH iPhone (360kHz)



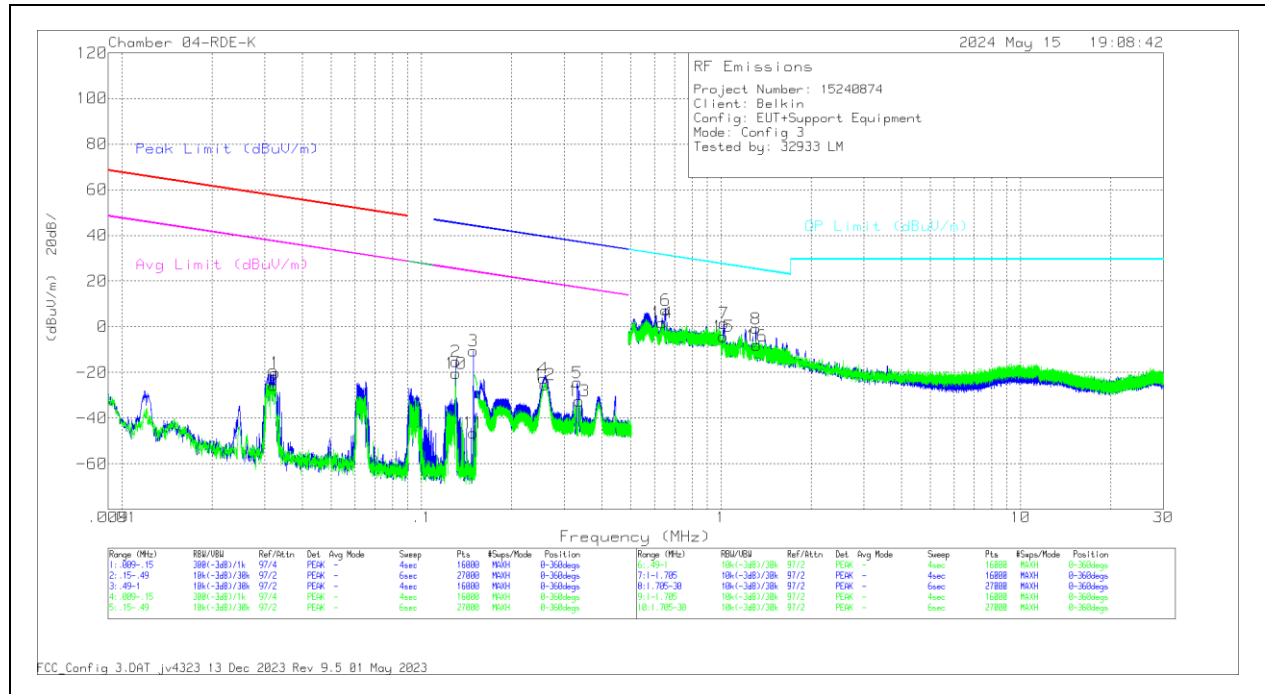
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna EIA(F) (dBm)	Amp/Cbl (dB)	Dist Corr 300m (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
8	.0123	23.08	Pk	60	-31.1	-80	-	-28.02	65.8	-93.82	45.8	-73.82	-	-	0-360	Face On
10	.0123	14.05	Pk	60	-31.1	-80	-	-37.05	65.81	-102.86	45.81	-82.86	-	-	0-360	Face Off
9	.0245	17.14	Pk	58.5	-31.8	-80	-	-36.16	59.81	-95.97	39.81	-75.97	-	-	0-360	Face On
11	.0246	9.21	Pk	58.5	-31.8	-80	-	-44.09	59.76	-103.85	39.76	-83.85	-	-	0-360	Face Off
1	.0453	39.65	Pk	57.1	-32.3	-80	-	-15.55	54.47	-70.02	34.47	-50.02	-	-	0-360	Face On
12	.0455	33.86	Pk	57.1	-32.2	-80	-	-21.24	54.43	-75.67	34.43	-55.67	-	-	0-360	Face Off
13	.0887	28.47	Pk	55.8	-32.4	-80	-	-28.13	48.62	-76.75	28.62	-56.75	-	-	0-360	Face Off
2	.0894	33.16	Pk	55.8	-32.4	-80	-	-23.44	48.56	-72	28.56	-52	-	-	0-360	Face On
14	.149	35.83	Pk	55.9	-32.3	-80	-	-20.57	44.16	-64.73	24.16	-44.73	-	-	0-360	Face Off
3	.1491	50.04	Pk	55.9	-32.3	-80	-	-6.36	44.16	-50.52	24.16	-30.52	-	-	0-360	Face On
4	.3285	30	Pk	56.2	-32.1	-80	-	-25.9	37.28	-63.18	17.28	-43.18	-	-	0-360	Face On
15	.3309	23.91	Pk	56.2	-32.1	-80	-	-31.99	37.22	-69.21	17.22	-49.21	-	-	0-360	Face Off
5	.3602	33.18	Pk	56.1	-32.2	-80	-	-22.92	36.48	-59.4	16.48	-39.4	-	-	351	Face On
16	.3609	28.14	Pk	56.1	-32.2	-80	-	-27.96	36.46	-64.42	16.46	-44.42	-	-	81	Face Off
17	.6465	15	Pk	56.1	-32.2	-	-40	-1.1	-	-	-	-	31.4	-32.5	0-360	Face Off
6	.6559	22.66	Pk	56.2	-32.2	-	-40	6.66	-	-	-	-	31.27	-24.61	0-360	Face On
18	1.0795	23.64	Pk	46.5	-32.1	-	-40	-1.96	-	-	-	-	26.96	-28.92	0-360	Face Off
7	1.0807	27.29	Pk	46.5	-32.1	-	-40	1.69	-	-	-	-	26.95	-25.26	0-360	Face On

Pk - Peak detector

Note: Markers 3, 14 are fundamental signals from coil#2 where in standby mode.
Investigation confirmed that Markers 1, 12 signals are from turn table.

8.2.3. CONFIGURATION 3: OPERATING MODE WITH iPhone (127.7kHz)



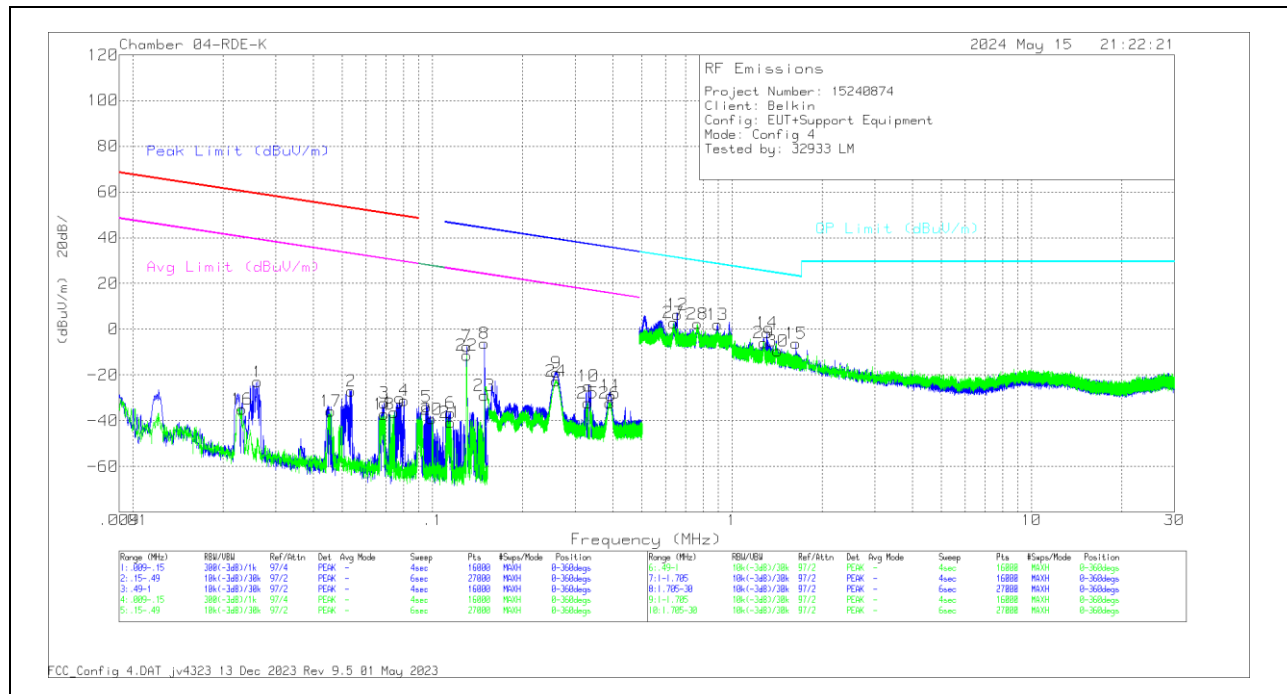
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF) (dB/m)	Amp/Cbl (dB)	Dist Corr 300m (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
9	.032	28.47	Pk	57.8	-32	-80	-	-25.73	57.47	-83.2	37.47	-63.2	-	-	0-360	Face Off
1	.0326	34.2	Pk	57.7	-32.1	-80	-	-20.2	57.33	-77.53	37.33	-57.53	-	-	0-360	Face On
2	.1307	41.5	Pk	55.8	-32.2	-80	-	-14.9	45.3	-60.2	25.3	-40.2	-	-	181	Face On
10	.1276	36.76	Pk	55.8	-32.3	-80	-	-19.74	45.51	-65.25	25.51	-45.25	-	-	103	Face Off
3	.1491	45.91	Pk	55.9	-32.3	-80	-	-10.49	44.15	-54.64	24.15	-34.64	-	-	0-360	Face On
11	.1494	9.92	Pk	55.9	-32.3	-80	-	-46.48	44.13	-90.61	24.13	-70.61	-	-	0-360	Face Off
4	.256	33.34	Pk	56.2	-32.2	-80	-	-22.66	39.45	-62.11	19.45	-42.11	-	-	0-360	Face On
12	.258	30.62	Pk	56.2	-32.2	-80	-	-25.38	39.38	-64.76	19.38	-44.76	-	-	0-360	Face Off
5	.3318	31.45	Pk	56.2	-32.1	-80	-	-24.45	37.19	-61.64	17.19	-41.64	-	-	0-360	Face On
13	.336	23.45	Pk	56.2	-32.2	-80	-	-32.55	37.08	-69.63	17.08	-49.63	-	-	0-360	Face Off
14	.6358	17.91	Pk	56.1	-32.2	-	-40	1.81	-	-	-	-	31.54	-29.73	0-360	Face Off
6	.6535	23.23	Pk	56.2	-32.2	-	-40	7.23	-	-	-	-	31.31	-24.08	0-360	Face On
15	1.0203	21.06	Pk	46.8	-32.1	-	-40	-4.24	-	-	-	-	27.45	-31.69	0-360	Face Off
7	1.0228	26.76	Pk	46.8	-32.1	-	-40	1.46	-	-	-	-	27.43	-25.97	0-360	Face On
8	1.3081	25.84	Pk	45.3	-32	-	-40	-8.6	-	-	-	-	25.29	-26.15	0-360	Face On
16	1.3136	18.44	Pk	45.3	-32	-	-40	-8.26	-	-	-	-	25.26	-33.52	0-360	Face Off

Pk - Peak detector

Note: Markers 3, 11 are fundamental signals from coil#2 where in standby mode.

8.2.4. CONFIGURATION 4: OPERATING MODE WITH AirPods Pro Case (127.7kHz)



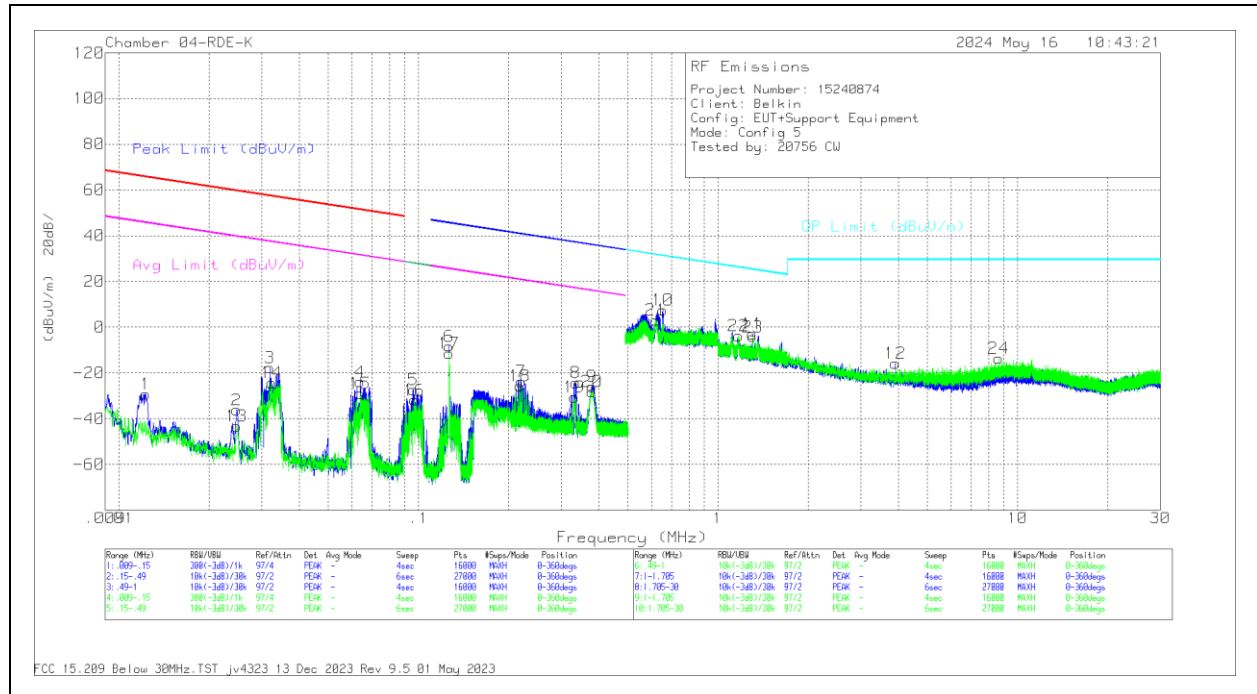
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF) (dBIm)	Amp/Cbl (dB)	Dist Corr 300m (dB)	Dist Corr 30m (dB) @10log	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
16	0231	18.04	Pk	58.7	-31.8	-80	-	-35.06	60.32	-95.38	40.32	-75.38	-	-	0-360	Face Off
1	0261	30.43	Pk	58.3	-31.8	-80	-	-23.07	59.26	-82.33	39.26	-62.33	-	-	0-360	Face On
17	0458	19.26	Pk	57.1	-32.2	-80	-	-35.84	54.36	-90.2	34.36	-70.2	-	-	0-360	Face Off
2	0536	28.44	Pk	56.8	-32.2	-80	-	-26.96	53.01	-79.97	33.01	-59.97	-	-	0-360	Face On
18	0689	19.03	Pk	55.9	-32.2	-80	-	-37.27	50.82	-88.09	30.82	-68.09	-	-	0-360	Face Off
3	069	24.06	Pk	55.9	-32.2	-80	-	-32.24	50.8	-83.04	30.8	-63.04	-	-	0-360	Face On
19	0746	19.98	Pk	55.8	-32.3	-80	-	-36.52	50.13	-86.65	30.13	-66.65	-	-	0-360	Face Off
4	0805	25.45	Pk	55.7	-32.4	-80	-	-31.25	49.47	-80.72	29.47	-60.72	-	-	0-360	Face On
5	0959	22.69	Pk	55.7	-32.3	-80	-	-33.91	-	-	-	-	27.97	-61.88	0-360	Face On
20	0996	17.32	Pk	55.6	-32.2	-80	-	-39.28	-	-	-	-	27.64	-66.92	0-360	Face Off
21	1148	15.83	Pk	55.7	-32.2	-80	-	-40.67	46.43	-87.1	26.43	-67.1	-	-	0-360	Face Off
6	115	19.74	Pk	55.7	-32.2	-80	-	-36.76	46.41	-83.17	26.41	-63.17	-	-	0-360	Face On
7	1277	49.4	Pk	55.8	-32.3	-80	-	-7.1	45.5	-52.6	25.5	-32.6	-	-	107	Face On
22	1277	45.36	Pk	55.8	-32.3	-80	-	-11.14	45.5	-56.64	25.5	-36.64	-	-	16	Face Off
23	1491	27.38	Pk	55.9	-32.3	-80	-	-29.02	44.15	-73.17	24.15	-53.17	-	-	0-360	Face Off
8	1492	50.1	Pk	55.9	-32.3	-80	-	-6.3	44.15	-50.45	24.15	-30.45	-	-	0-360	Face On
24	2589	33.37	Pk	56.2	-32.2	-80	-	-22.63	39.35	-61.98	19.35	-41.98	-	-	0-360	Face Off
9	2592	37.03	Pk	56.2	-32.2	-80	-	-18.97	39.34	-58.31	19.34	-38.31	-	-	0-360	Face On
25	3297	23.57	Pk	56.2	-32.1	-80	-	-32.33	37.25	-69.58	17.25	-49.58	-	-	0-360	Face Off
10	3321	31.01	Pk	56.2	-32.1	-80	-	-24.89	37.18	-62.07	17.18	-42.07	-	-	0-360	Face On
26	3915	23.82	Pk	56.1	-32.1	-80	-	-32.18	35.75	-67.93	15.75	-47.93	-	-	0-360	Face Off
11	3946	26.97	Pk	56.1	-32.1	-80	-	-29.03	35.68	-64.71	15.68	-44.71	-	-	0-360	Face On
27	6398	19.03	Pk	56.1	-32.2	-	-40	2.93	-	-	-	-	31.49	-28.56	0-360	Face Off
12	6571	22.43	Pk	56.2	-32.2	-	-40	6.43	-	-	-	-	31.26	-24.83	0-360	Face On
28	766	18.43	Pk	56.2	-32.2	-	-40	2.43	-	-	-	-	29.93	-27.5	0-360	Face Off
13	8943	17.92	Pk	56.2	-32.1	-	-40	2.02	-	-	-	-	28.59	-26.57	0-360	Face On
29	12751	20.63	Pk	45.5	-32.1	-	-40	-5.97	-	-	-	-	25.52	-31.49	0-360	Face Off
14	13069	25.2	Pk	45.3	-32.1	-	-40	-1.6	-	-	-	-	25.3	-26.9	0-360	Face On
30	1421	17.83	Pk	44.7	-32.1	-	-40	-9.57	-	-	-	-	24.58	-34.15	0-360	Face Off
15	16359	22.14	Pk	43.6	-32	-	-40	-6.26	-	-	-	-	23.36	-29.62	0-360	Face On

Pk - Peak detector

Note: Markers 8, 23 are fundamental signals from coil#2 where in standby mode.

8.2.5. CONFIGURATION 5: OPERATING MODE WITH iPhone (111-148kHz)

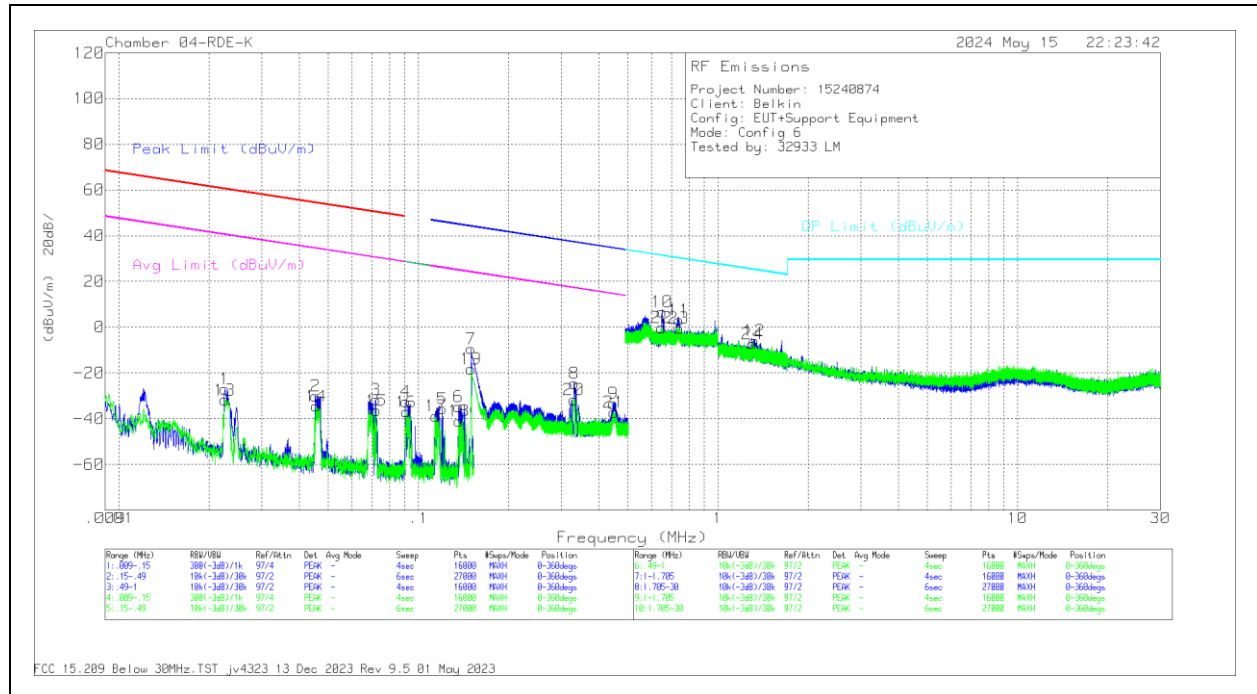


DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF) (dB/m)	Amp/Cbl (dB)	Dist Corr 30m (dB)	Dist Corr 40Log	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.0123	21.93	Pk	60	-31.1	-80	-	-29.17	65.81	-94.98	45.81	-74.98	-	-	0-360	Face On
13	.0247	10.15	Pk	58.5	-31.8	-80	-	-43.15	59.72	-102.87	39.72	-82.87	-	-	0-360	Face Off
2	.0248	17.07	Pk	58.5	-31.8	-80	-	-36.23	59.71	-95.94	39.71	-75.94	-	-	0-360	Face On
3	.0319	36.39	Pk	57.8	-32	-80	-	-17.81	57.5	-75.31	37.5	-55.31	-	-	0-360	Face On
14	.0324	29.91	Pk	57.7	-32	-80	-	-24.39	57.38	-81.77	37.38	-61.77	-	-	0-360	Face Off
15	.0638	27.16	Pk	56.1	-32.2	-80	-	-28.94	51.49	-80.43	31.49	-60.43	-	-	0-360	Face Off
4	.064	32.2	Pk	56.1	-32.2	-80	-	-23.9	51.46	-75.36	31.46	-55.36	-	-	0-360	Face On
5	.0961	29.24	Pk	55.7	-32.3	-80	-	-27.36	-	-	-	-	27.95	-55.31	0-360	Face On
16	.0969	24.74	Pk	55.7	-32.3	-80	-	-31.86	-	-	-	-	27.88	-59.74	0-360	Face Off
6	.1266	59.72	Pk	55.7	-32.2	-80	-	3.22	46.76	-43.54	26.76	-23.54	-	-	95	Face On
17	.1266	48.37	Pk	55.8	-32.3	-80	-	-8.13	45.67	-53.8	25.67	-33.8	-	-	51	Face Off
18	.2181	30.32	Pk	56.2	-32.1	-80	-	-25.58	40.84	-66.42	20.84	-46.42	-	-	0-360	Face Off
7	.2203	32.09	Pk	56.2	-32.1	-80	-	-23.81	40.76	-64.57	20.76	-44.57	-	-	0-360	Face On
19	.3318	25.24	Pk	56.2	-32.1	-80	-	-30.66	37.19	-67.85	17.19	-47.85	-	-	0-360	Face Off
8	.3353	31.65	Pk	56.2	-32.2	-80	-	-24.35	37.1	-61.45	17.1	-41.45	-	-	0-360	Face On
20	.3795	27.86	Pk	56.1	-32.1	-80	-	-28.14	36.02	-64.16	16.02	-44.16	-	-	0-360	Face Off
9	.3799	30.14	Pk	56.1	-32.1	-80	-	-25.86	36.01	-61.87	16.01	-41.87	-	-	0-360	Face On
21	.6206	19.13	Pk	56.1	-32.2	-	-40	3.03	-	-	-	-	31.75	-28.72	0-360	Face Off
10	.6547	23.52	Pk	56.2	-32.2	-	-40	7.52	-	-	-	-	31.29	-23.77	0-360	Face On
22	1.1702	22.26	Pk	46	-32.1	-	-40	-3.84	-	-	-	-	26.26	-30.1	0-360	Face Off
11	1.3036	23.96	Pk	45.3	-32.1	-	-40	-2.84	-	-	-	-	25.32	-28.16	0-360	Face On
23	1.3062	22.64	Pk	45.3	-32.1	-	-40	-4.16	-	-	-	-	25.31	-29.47	0-360	Face Off
12	3.9131	18.72	Pk	37.4	-31.9	-	-40	-15.78	-	-	-	-	29.5	-45.28	0-360	Face On
24	8.6642	23.67	Pk	34.6	-31.8	-	-40	-13.53	-	-	-	-	29.5	-43.03	0-360	Face Off

Pk - Peak detector

8.2.6. CONFIGURATION 6: OPERATING MODE WITH AirPods Pro Case (111-148kHz)



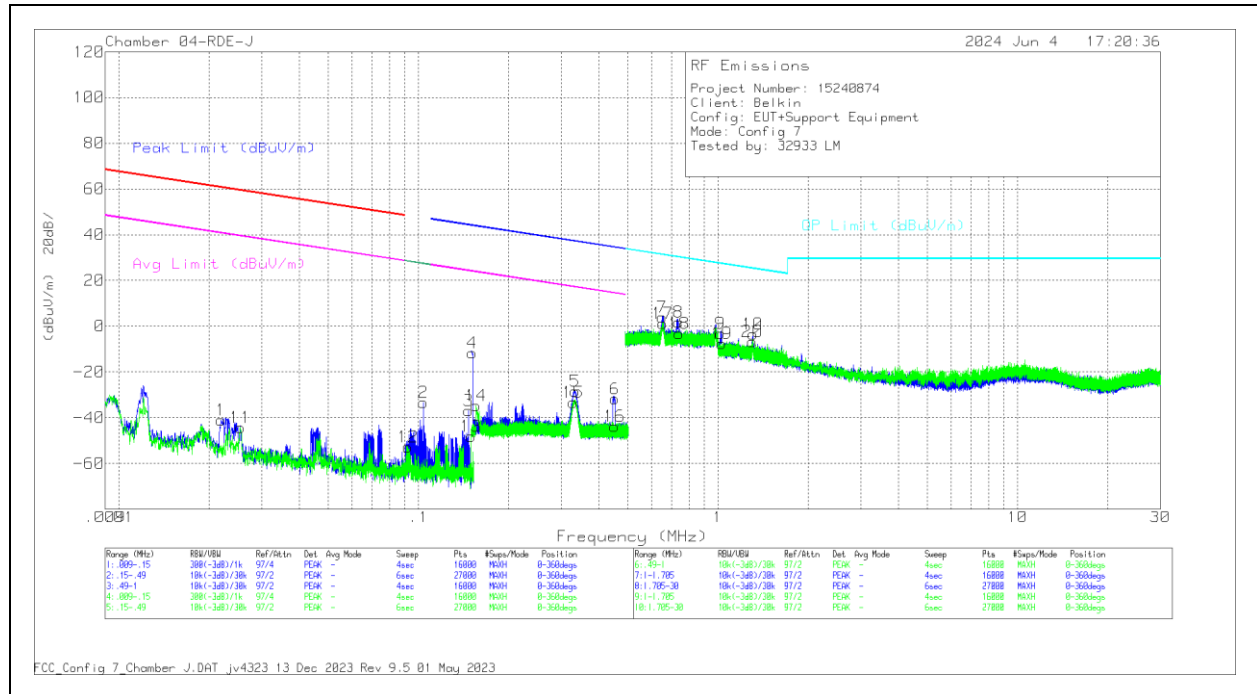
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF) (dB/m)	Ampl/Cbl (dB)	Dist Corr 300m (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.0226	26.1	Pk	58.7	-31.8	-80	-	-27	60.51	-87.51	40.51	-67.51	-	-	0-360	Face On
13	.0226	21.24	Pk	58.7	-31.8	-80	-	-31.86	60.5	-92.36	40.5	-72.36	-	-	0-360	Face Off
2	.0453	25.24	Pk	57.1	-32.3	-80	-	-29.96	54.47	-84.43	34.47	-64.43	-	-	0-360	Face On
14	.0456	20.52	Pk	57.1	-32.2	-80	-	-34.58	54.41	-88.99	34.41	-68.99	-	-	0-360	Face Off
3	.0719	24.7	Pk	55.9	-32.3	-80	-	-31.7	50.44	-82.14	30.44	-62.14	-	-	0-360	Face On
15	.0723	19.9	Pk	55.9	-32.3	-80	-	-36.5	50.4	-86.9	30.4	-66.9	-	-	0-360	Face Off
4	.0907	24.03	Pk	55.8	-32.4	-80	-	-32.57	-	-	-	-	28.43	-61	0-360	Face On
16	.091	19.54	Pk	55.8	-32.4	-80	-	-37.06	-	-	-	-	28.41	-65.47	0-360	Face Off
17	.1146	17.54	Pk	55.7	-32.2	-80	-	-38.96	46.45	-85.41	26.45	-65.41	-	-	0-360	Face Off
5	.1203	20.93	Pk	55.7	-32.3	-80	-	-35.67	46.02	-81.69	26.02	-61.69	-	-	0-360	Face On
6	.1363	21.56	Pk	55.8	-32.2	-80	-	-34.84	44.93	-79.77	24.93	-59.77	-	-	0-360	Face On
18	.1366	15.39	Pk	55.8	-32.2	-80	-	-41.01	44.91	-85.92	24.91	-65.92	-	-	0-360	Face Off
7	.1467	47.4	Pk	55.9	-32.2	-80	-	-8.9	44.3	-53.2	24.3	-33.2	-	-	115	Face On
19	.1467	37.38	Pk	55.9	-32.2	-80	-	-18.92	44.3	-63.22	24.3	-43.22	-	-	33	Face Off
20	.3308	24.28	Pk	56.2	-32.1	-80	-	-31.62	37.22	-68.84	17.22	-48.84	-	-	0-360	Face Off
8	.3314	31.37	Pk	56.2	-32.1	-80	-	-24.53	37.2	-61.73	17.2	-41.73	-	-	0-360	Face On
9	.4481	22.74	Pk	56.1	-32.3	-80	-	-33.46	34.58	-68.04	14.58	-48.04	-	-	0-360	Face On
21	.4493	18.93	Pk	56.1	-32.3	-80	-	-37.27	34.55	-71.82	14.55	-51.82	-	-	0-360	Face Off
22	.6481	16	Pk	56.1	-32.2	-	-40	-1	-	-	-	-	31.38	-31.48	0-360	Face Off
10	.6508	22.73	Pk	56.2	-32.2	-	-40	6.73	-	-	-	-	31.34	-24.61	0-360	Face On
23	.74	15.57	Pk	56.2	-32.2	-	-40	-43	-	-	-	-	30.23	-30.66	0-360	Face Off
11	.7403	19.07	Pk	56.2	-32.1	-	-40	3.17	-	-	-	-	30.23	-27.06	0-360	Face On
24	1.3041	19.62	Pk	45.3	-32.1	-	-40	-7.18	-	-	-	-	25.32	-32.5	0-360	Face Off
12	1.3227	20.95	Pk	45.2	-32	-	-40	-5.85	-	-	-	-	25.2	-31.05	0-360	Face On

Pk - Peak detector

Note: Markers 8, 23 are fundamental signals from coil#2 where in standby mode.

8.2.7. CONFIGURATION 7: OPERATING MODE WITH Watch (326.5kHz)



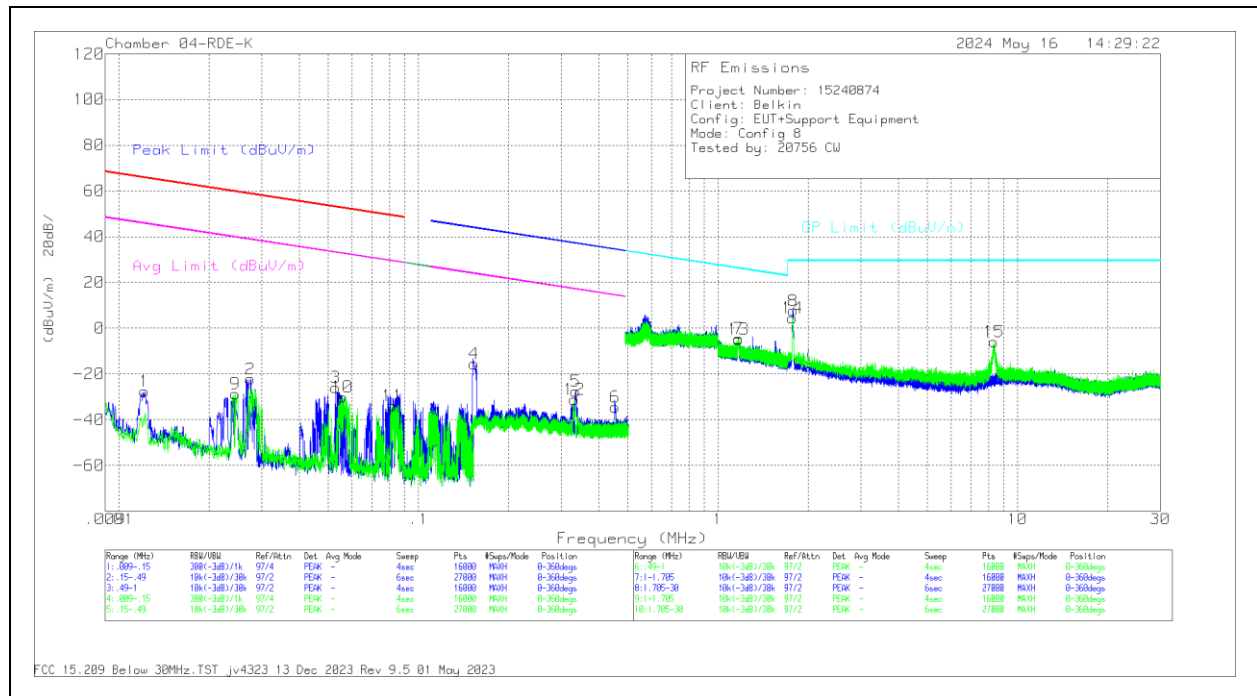
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (ACF) (dBm)	CBL/AMP (dB)	Dist Corr 300m (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.0219	11.71	Pk	58.7	-31.4	-80	-	-40.99	60.77	-101.76	40.77	-81.76	-	-	0-360	Face On
11	.0255	9.02	Pk	58.4	-31.7	-80	-	-44.28	59.47	-103.75	39.47	-83.75	-	-	0-360	Face Off
12	.0923	3.87	Pk	55.7	-32.4	-80	-	-52.83	-	-	-	-	28.29	-81.12	0-360	Face Off
13	.1499	8.44	Pk	55.8	-32.5	-80	-	-48.26	44.11	-92.37	24.11	-72.37	-	-	0-360	Face Off
4	.1511	44.92	Pk	55.8	-32.5	-80	-	-11.78	44.04	-55.82	24.04	-35.82	-	-	0-360	Face On
14	.1559	21.85	Pk	55.9	-32.5	-80	-	-34.75	43.77	-78.52	23.77	-58.52	-	-	0-360	Face Off
15	.3264	25.23	Pk	56.1	-32.2	-80	-	-30.87	37.34	-68.21	17.34	-48.21	-	-	15	Face Off
5	.3284	21.31	Pk	56.1	-32.2	-80	-	-34.79	37.28	-72.07	17.28	-52.07	-	-	122	Face On
16	.4511	12.6	Pk	56.1	-32.4	-80	-	-43.7	34.52	-78.22	14.52	-58.22	-	-	0-360	Face Off
6	.4526	24.45	Pk	56.1	-32.4	-80	-	-31.85	34.49	-66.34	14.49	-46.34	-	-	0-360	Face On
7	.6522	20.45	Pk	56.1	-32.5	-	-40	4.05	-	-	-	-	31.32	-27.27	0-360	Face On
17	.654	17.65	Pk	56.1	-32.5	-	-40	1.25	-	-	-	-	31.3	-30.05	0-360	Face Off
8	.7365	18.01	Pk	56.1	-32.3	-	-40	1.81	-	-	-	-	30.27	-28.46	0-360	Face On
18	.7405	13.01	Pk	56.1	-32.3	-	-40	-3.19	-	-	-	-	30.22	-33.41	0-360	Face Off
9	1.0195	22.73	Pk	46.5	-32.4	-	-40	-3.17	-	-	-	-	27.45	-30.62	0-360	Face On
19	1.0292	18.13	Pk	46.5	-32.3	-	-40	-7.67	-	-	-	-	27.37	-35.04	0-360	Face Off
20	1.303	20.56	Pk	45	-32.3	-	-40	-6.74	-	-	-	-	25.33	-32.07	0-360	Face Off
10	1.3066	23.79	Pk	45	-32.3	-	-40	-3.51	-	-	-	-	25.31	-28.82	0-360	Face On

Pk - Peak detector

Note: Markers 4, 13 are fundamental signals from coil#2 where in standby mode.

8.2.8. CONFIGURATION 8: OPERATING MODE WITH Watch (1.778MHz)



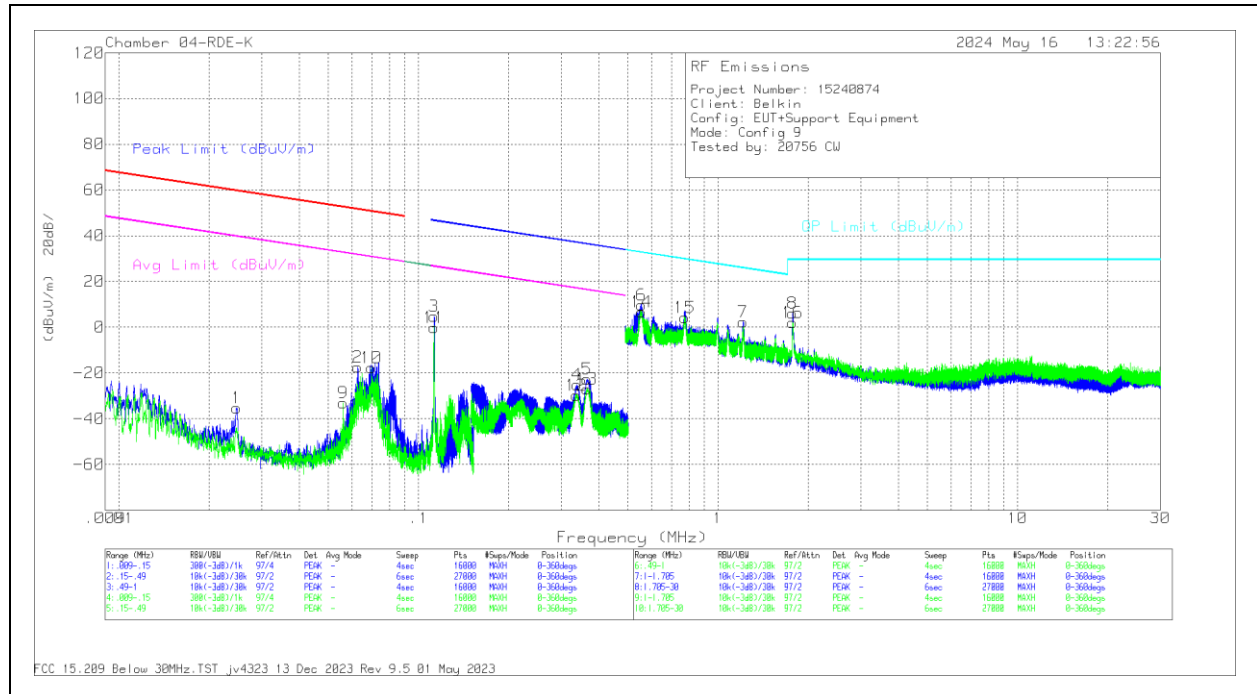
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF) (dBm)	Amp/Cbl (dB)	Dist Corr 300m (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.0122	23.47	Pk	60	-31.1	-80	-	-27.63	65.87	-93.5	45.87	-73.5	-	-	0-360	Face On
9	.0245	24.7	Pk	58.5	-31.8	-80	-	-28.6	59.82	-88.42	39.82	-68.42	-	-	0-360	Face Off
2	.0275	31.46	Pk	58.2	-31.9	-80	-	-22.24	58.8	-81.04	38.8	-61.04	-	-	0-360	Face On
3	.053	29.49	Pk	56.8	-32.2	-80	-	-25.91	53.1	-79.01	33.1	-59.01	-	-	0-360	Face On
10	.0558	25.63	Pk	56.6	-32.2	-80	-	-29.97	52.65	-82.62	32.65	-62.62	-	-	0-360	Face Off
11	.0822	22.71	Pk	55.7	-32.4	-80	-	-33.99	49.29	-83.28	29.29	-63.28	-	-	0-360	Face Off
4	.1532	40.87	Pk	55.9	-32.3	-80	-	-15.53	43.92	-59.45	23.92	-39.45	-	-	0-360	Face On
12	.3318	24.72	Pk	56.2	-32.1	-80	-	-31.18	37.19	-68.37	17.19	-48.37	-	-	0-360	Face Off
5	.3347	28.44	Pk	56.2	-32.2	-80	-	-27.56	37.12	-64.68	17.12	-44.68	-	-	0-360	Face On
6	.4538	21.7	Pk	56.1	-32.3	-80	-	-34.5	34.47	-68.97	14.47	-48.97	-	-	0-360	Face On
13	1.1713	21.32	Pk	46	-32.1	-	-40	-4.78	-	-	-	-	26.25	-31.03	0-360	Face Off
7	1.1735	21.5	Pk	46	-32.1	-	-40	-4.6	-	-	-	-	26.24	-30.84	0-360	Face On
8	1.7779	37.22	Pk	42.9	-32	-	-40	8.12	-	-	-	-	29.5	-21.38	54	Face On
14	1.778	32.77	Pk	42.9	-32	-	-40	3.67	-	-	-	-	29.5	-25.83	333	Face Off
15	8.3462	31.14	Pk	34.7	-31.8	-	-40	-5.96	-	-	-	-	29.5	-35.46	0-360	Face Off

Pk - Peak detector

Note: Marker 4 is fundamental signal from coil#2 where in standby mode.

8.2.9. CONFIGURATION 9: OPERATING MODE WITH iPhone (360kHz) + iPhone (127.7kHz) + Watch (1.778MHz)



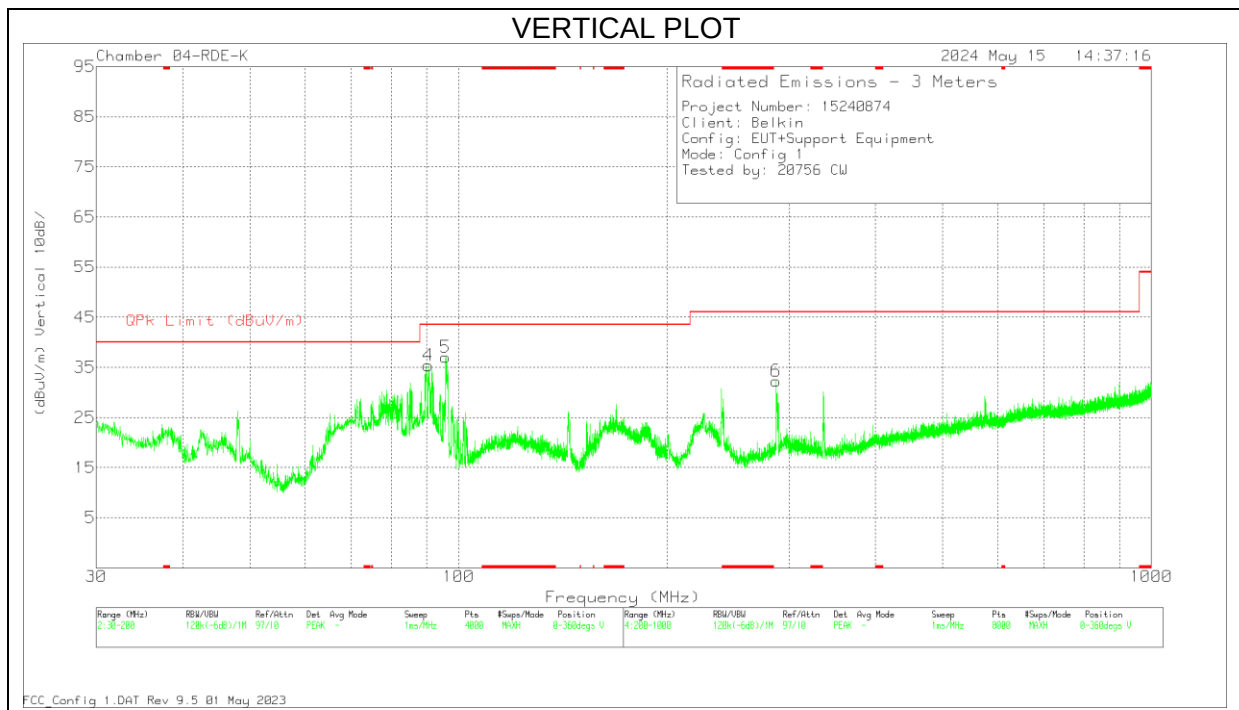
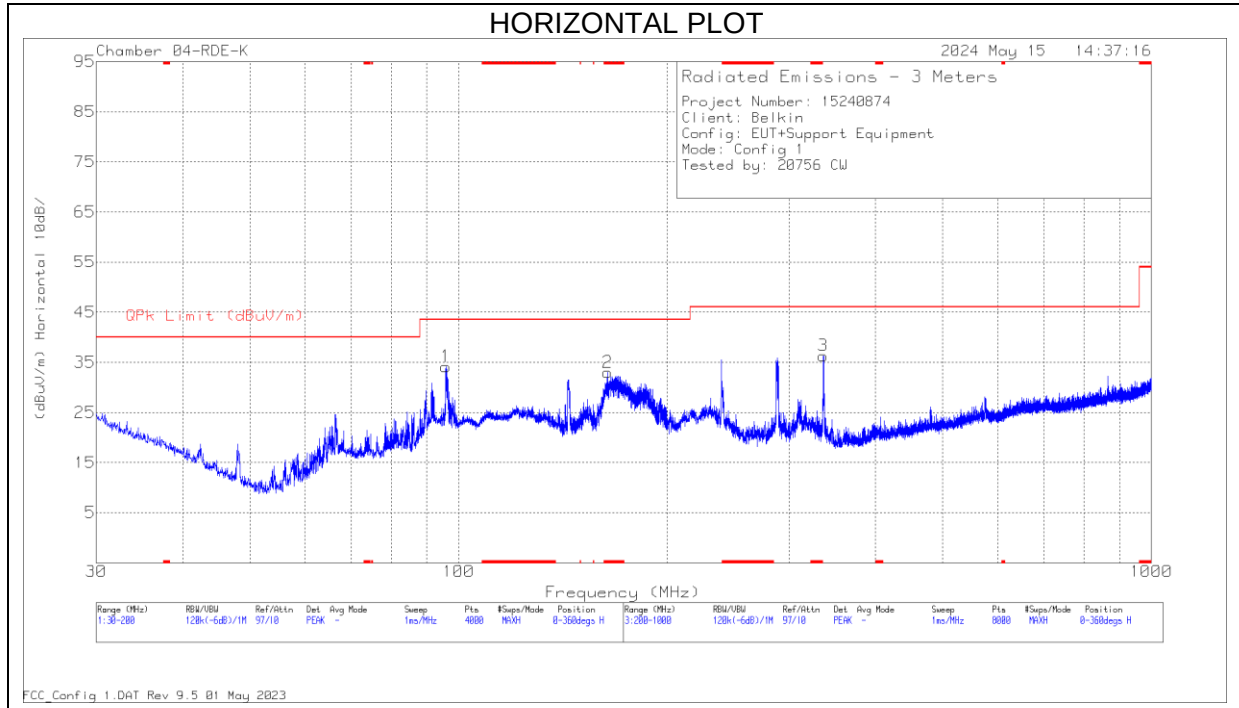
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF) (dBm)	Ampl/Cbl (dB)	Dist Corr 300m (dB)	Dist Corr 30m 40Log (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.0248	17.97	Pk	58.5	-31.8	-80	-	-35.33	59.71	-95.04	39.71	-75.04	-	-	0-360	Face On
9	.056	22.43	Pk	56.6	-32.2	-80	-	-33.17	52.62	-85.79	32.62	-65.79	-	-	0-360	Face Off
2	.0626	38.6	Pk	56.1	-32.2	-80	-	-17.5	51.65	-69.15	31.65	-49.15	-	-	0-360	Face On
10	.0697	38.58	Pk	55.9	-32.2	-80	-	-17.72	50.72	-68.44	30.72	-48.44	-	-	0-360	Face Off
3	.1115	60.79	Pk	55.7	-32.2	-80	-	4.29	46.68	-42.39	26.68	-22.39	-	-	20	Face On
11	.1122	56.74	Pk	55.7	-32.2	-80	-	.24	46.63	-46.39	26.63	-26.39	-	-	312	Face Off
12	.3364	26.26	Pk	56.2	-32.2	-80	-	-29.74	37.07	-66.81	17.07	-46.81	-	-	0-360	Face Off
4	.3381	30.79	Pk	56.2	-32.2	-80	-	-25.21	37.03	-62.24	17.03	-42.24	-	-	0-360	Face On
13	.3596	32.79	Pk	56.1	-32.2	-80	-	-23.31	36.49	-59.8	16.49	-39.8	-	-	127	Face Off
5	.3599	33.24	Pk	56.1	-32.2	-80	-	-22.86	36.49	-59.35	16.49	-39.35	-	-	29	Face On
6	.5555	25.77	Pk	56.1	-32.2	-	-40	9.67	-	-	-	-	32.71	-23.04	0-360	Face On
14	.5558	22.79	Pk	56.1	-32.2	-	-40	6.69	-	-	-	-	32.71	-26.02	0-360	Face Off
15	.775	20.34	Pk	56.2	-32.2	-	-40	4.34	-	-	-	-	29.83	-25.49	0-360	Face Off
7	1.2128	28.63	Pk	45.8	-32.1	-	-40	2.33	-	-	-	-	25.95	-23.62	0-360	Face On
16	1.7775	32.9	Pk	42.9	-32	-	-40	3.8	-	-	-	-	29.5	-25.7	51	Face Off
8	1.7781	35.41	Pk	42.9	-32	-	-40	6.31	-	-	-	-	29.5	-23.19	337	Face On

Pk - Peak detector

8.3. FCC TX SPURIOUS EMISSION 30 TO 1000 MHz

8.3.1. CONFIGURATION 1: WPT ON STANDBY



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	203089 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 164.08	45.3	Pk	18	-30.3	33	43.52	-10.52	0-360	199	H
4	90.4506	52.21	Pk	14	-30.8	35.41	43.52	-8.11	0-360	100	V
5	95.8495	52.33	Pk	15.5	-30.8	37.03	43.52	-6.49	0-360	100	V
1	95.8921	49.44	Pk	15.5	-30.8	34.14	43.52	-9.38	0-360	199	H
6	287.511	42.58	Pk	19.3	-29.6	32.28	46.02	-13.74	0-360	99	V
3	336.018	45.81	Pk	20	-29.5	36.31	46.02	-9.71	0-360	99	H

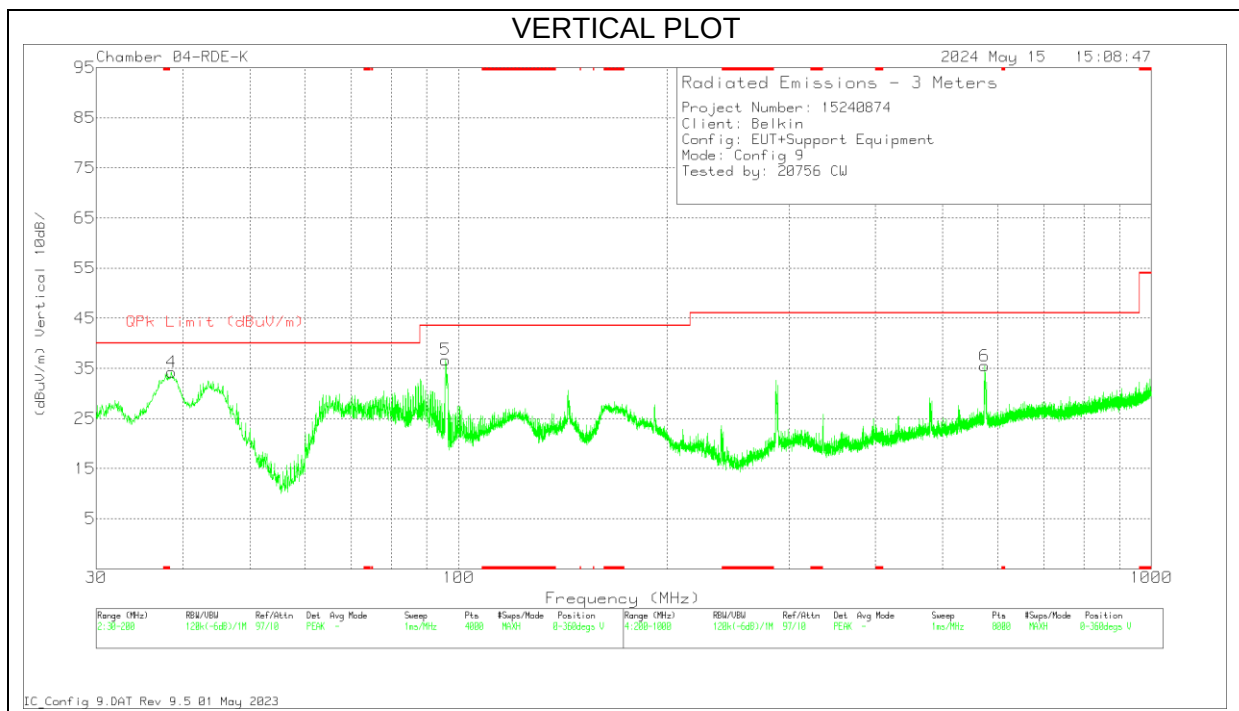
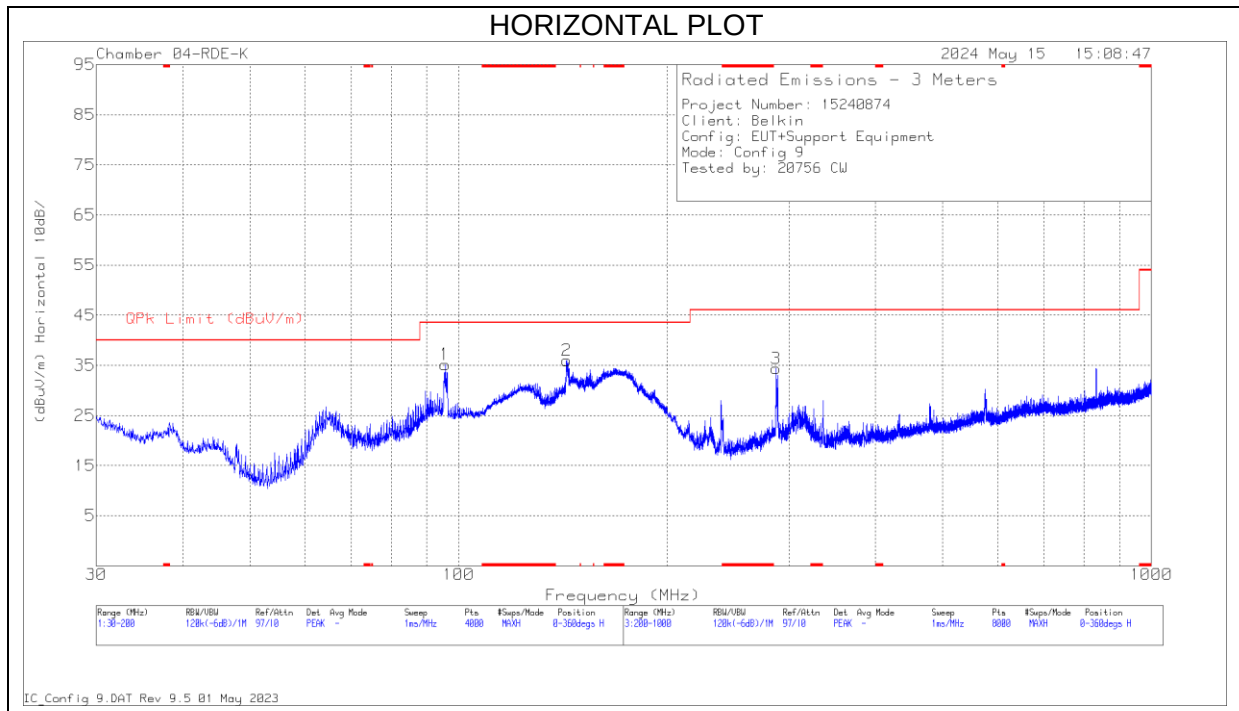
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector

Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	203089 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	90.6335	52.98	Pk	14	-30.8	36.18	43.52	-7.34	95	109	V
4	90.6335	47.1	Qp	14	-30.8	30.3	43.52	-13.22	95	109	V
1	95.8883	50.53	Pk	15.5	-30.8	35.23	43.52	-8.29	221	212	H
1	95.8883	46.99	Qp	15.5	-30.8	31.69	43.52	-11.83	221	212	H
5	95.9022	53.02	Pk	15.5	-30.8	37.72	43.52	-5.8	195	100	V
5	95.9022	49.24	Qp	15.5	-30.8	33.94	43.52	-9.58	195	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
Qp - Quasi-Peak detector

8.3.2. CONFIGURATION 9: OPERATING MODE WITH iPhone (360kHz) + iPhone (127.7kHz) + Watch (1.778MHz)



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	203089 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	38.5447	44.52	Pk	21.1	-31.4	34.22	40	-5.78	0-360	101	V
1	95.6795	50.57	Pk	15.4	-30.8	35.17	43.52	-8.35	0-360	299	H
5	95.7645	52	Pk	15.5	-30.8	36.7	43.52	-6.82	0-360	101	V
2	143.377	47.47	Pk	18.9	-30.4	35.97	43.52	-7.55	0-360	199	H
3	287.311	44.77	Pk	19.2	-29.6	34.37	46.02	-11.65	0-360	101	H
6	574.449	39.59	Pk	24.4	-28.5	35.49	46.02	-10.53	0-360	99	V

Pk - Peak detector

Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	203089 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	38.693	43.56	Pk	21	-31.4	33.16	40	-6.84	126	101	V
4	38.693	40.31	Qp	21	-31.4	29.91	40	-10.09	126	101	V
1	95.7408	52.63	Pk	15.4	-30.8	37.23	43.52	-6.29	60	324	H
1	95.7408	49.29	Qp	15.4	-30.8	33.89	43.52	-9.63	60	324	H
5	95.7433	50.89	Pk	15.4	-30.8	35.49	43.52	-8.03	81	112	V
5	95.7433	45.65	Qp	15.4	-30.8	30.25	43.52	-13.27	81	112	V
5	95.7489	54.94	Pk	15.4	-30.8	39.54	43.52	-3.98	188	111	V
5	95.7489	53.11	Qp	15.4	-30.8	37.71	43.52	-5.81	188	111	V
2	143.601	50.08	Pk	18.8	-30.4	38.48	43.52	-5.04	188	222	H
2	143.601	45.1	Qp	18.8	-30.4	33.5	43.52	-10.02	188	222	H

Pk - Peak detector

Qp - Quasi-Peak detector

9. AC MAINS LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

Frequency of Emission (MHz)	Conducted Limit (dBµV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 *	56 to 46 *
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

ICES-001 Issue 5 Table 1

Table 1: Conducted emission limits for induction cooking appliances (AC mains terminals)				
Frequency range (MHz)	Appliances rated 120 V, without an earth connection	Appliances rated 120 V, without an earth connection	All other appliances	All other appliances
	Quasi-peak (dBµV)	Average (dBµV)	Quasi-peak (dBµV)	Average (dBµV)
0.009 – 0.05	122	—	110	—
0.05 – 0.15	102 to 92 *	—	90 to 80 *	—
0.15 – 0.5	72 to 62 *	62 to 52 *	66 to 56 *	56 to 46 *
0.5 – 5	56	46	56	46
5 – 30	60	50	60	50

Note: The more stringent limit applies at transition frequencies.

*The limit level in dBµV decreases linearly with the logarithm of frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

The receiver is set to a resolution bandwidth of 200Hz for below 150kHz, 9kHz for 150kHz to 30MHz. Peak detection is used unless otherwise noted as quasi-peak or average.

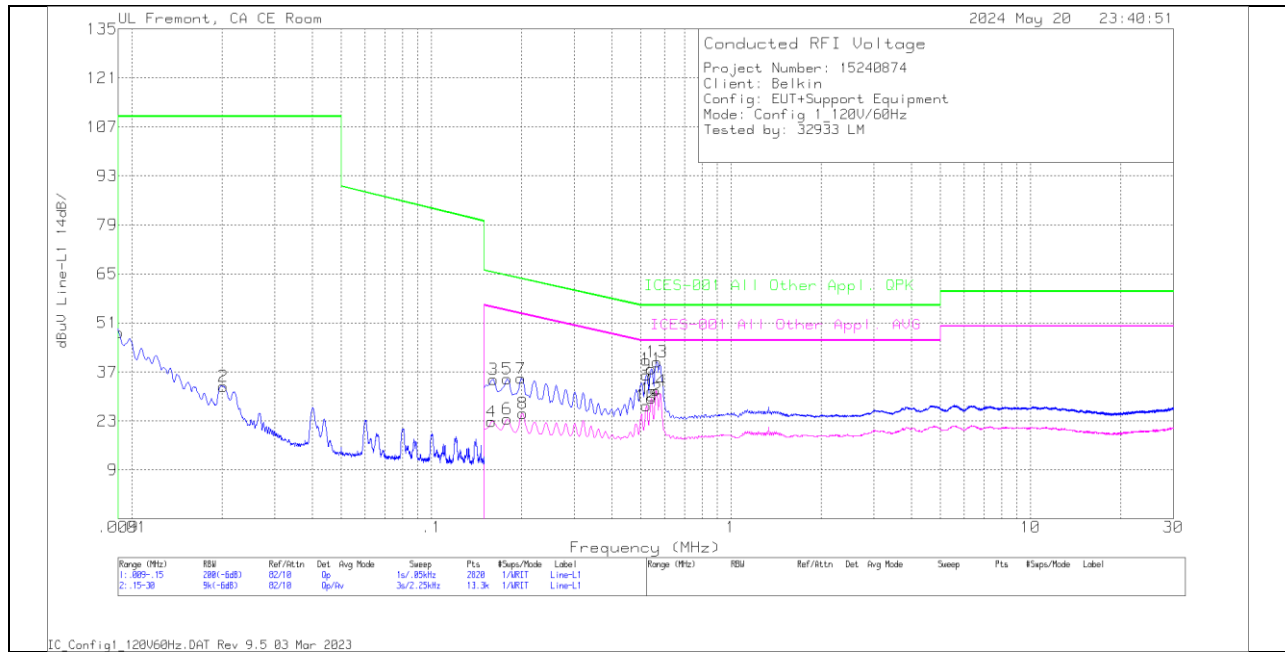
Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

Testing range from 9kHz to 30MHz using ICES-001 Issue Table 1 “All other appliances” limit to cover both FCC and ISSED frequency range.

9.1. CONFIGURATION 1: WPT ON STANDBY

LINE 1 RESULTS



WORST EMISSIONS

Range 1: Line-L1 .009 - .15MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trns Limiter (dB)	20dB Atten (dB)	Corrected Reading (dBuV)	ICES-001 All Other Appl. QPK (dBuV)	Margin (dB)	ICES-001 All Other Appl. AVG (dBuV)	Margin (dB)
1	.0091	7.56	Qp	5	0	15.8	20	48.36	110	-61.64	-	-
2	.0202	.41	Qp	1.6	0	10.9	20	32.91	110	-77.09	-	-

Range 2: Line-L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trns Limiter (dB)	20dB Atten (dB)	Corrected Reading (dBuV)	ICES-001 All Other Appl. QPK (dBuV)	Margin (dB)	ICES-001 All Other Appl. AVG (dBuV)	Margin (dB)
4	.159	-6.83	Av	.1	0	9.5	20	22.77	-	-	55.52	-32.75
6	.1793	-6.03	Av	.1	.1	9.4	20	23.57	-	-	54.52	-30.95
8	.2018	-4.38	Av	0	.1	9.4	20	25.12	-	-	53.54	-28.42
10	.5213	-2.01	Av	0	0	9.3	20	27.29	-	-	46	-18.71
12	.5415	-.01	Av	0	.1	9.3	20	29.39	-	-	46	-16.61
14	.5618	2.31	Av	0	.1	9.3	20	31.71	-	-	46	-14.29
3	.1613	5.26	Qp	.1	0	9.5	20	34.86	65.4	-30.54	-	-
5	.1793	5.39	Qp	.1	.1	9.4	20	34.99	64.52	-29.53	-	-
7	.1995	5.54	Qp	.1	.1	9.4	20	35.14	63.63	-28.49	-	-
9	.5213	6.79	Qp	0	0	9.3	20	36.09	56	-19.91	-	-
11	.5415	8.47	Qp	0	.1	9.3	20	37.87	56	-18.13	-	-
13	.5663	10.49	Qp	0	.1	9.3	20	39.89	56	-16.11	-	-

Qp - Quasi-Peak detector
Av - Average detection

UL Fremont, CA CE Room

2024 May 20 23:40:51

Conducted RFI Voltage

Project Number: 15240874

Client: Belkin

Config: EUT+Support Equipment

Mode: Config 1 120V/60Hz

Tested by: 32933 LM

dBuV Line-L2 14dB/

ICES-001 All Other Appl. DPK

ICES-001 All Other Appl. AWS

17.2

0.15

Frequency (MHz)

Range (MHz)	dBu	Ref/Att	Det	Avg Mode	Sweep	Pts	#Seps/Mode	Label
3.005-15	200(-6dB)	02/18	Op		1u/05Hz	2828	1/AUT	Line-L2
4.15-30	9k(-6dB)	02/18	Op		3u/2.25Hz	13.3k	1/AUT	Line-L2

IC Config1 120V60Hz.DAT Rev 9.5 03 Mar 2023

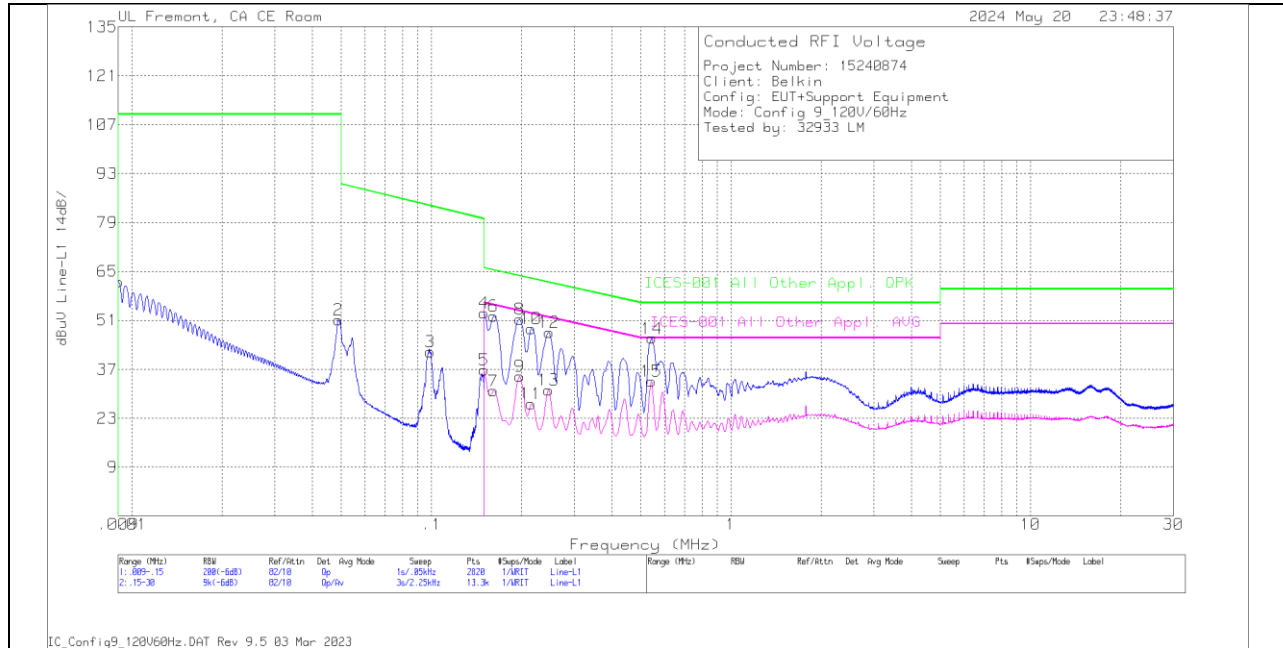
Range 3: Line-L2 .009 - .15MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trns Limiter (dB)	20dB Atten (dB)	Corrected Reading (dBuV)	ICES-001 All Other Appl. QPK(dBuV)	Margin (dB)	ICES-001 All Other Appl. AVG (dBuV)	Margin (dB)
15	.0091	8.47	Qp	5	0	15.8	20	49.27	110	-60.73	-	-
16	.0201	.98	Qp	1.6	0	10.9	20	33.48	110	-76.52	-	-

Range 4: Line-L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trns Limiter (dB)	20dB Atten (dB)	Corrected Reading (dBuV)	ICES-001 All Other Appl. QPK (dBuV)	Margin (dB)	ICES-001 All Other Appl. AVG (dBuV)	Margin (dB)
18	.1613	-5.42	Av	.1	0	9.5	20	24.18	-	-	55.4	-31.22
20	.1793	-4.46	Av	0	.1	9.4	20	25.04	-	-	54.52	-29.48
22	.2018	-2.7	Av	0	.1	9.4	20	26.8	-	-	53.54	-26.74
24	.5213	4.8	Av	0	0	9.3	20	34.1	-	-	46	-11.9
26	.5415	6.92	Av	0	0	9.3	20	36.22	-	-	46	-9.78
28	.5618	9.29	Av	0	0	9.3	20	38.59	-	-	46	-7.41
17	.1613	4.99	Qp	.1	0	9.5	20	34.59	65.4	-30.81	-	-
19	.1793	5.43	Qp	0	.1	9.4	20	34.93	64.52	-29.59	-	-
21	.1995	5.14	Qp	0	.1	9.4	20	34.64	63.63	-28.99	-	-
23	.5258	11.95	Qp	0	0	9.3	20	41.25	56	-14.75	-	-
25	.5573	15.22	Qp	0	0	9.3	20	44.52	56	-11.48	-	-
27	.5663	17.53	Op	0	0	9.3	20	46.83	56	-9.17	-	-

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9.2. CONFIGURATION 9: OPERATING MODE WITH iPhone (360kHz) + iPhone (127.7kHz) + Watch (1.778MHz)

LINE 1 RESULTS



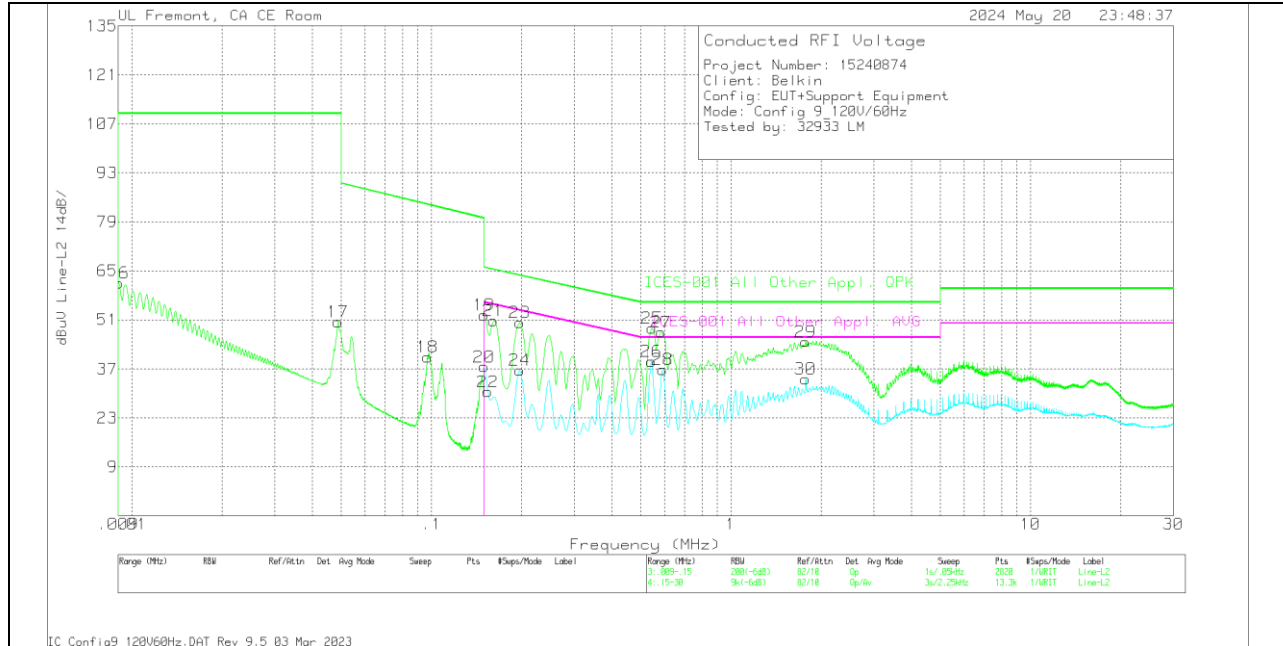
WORST EMISSIONS

Range 1: Line-L1 .009 - .15MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trns Limiter (dB)	20dB Atten (dB)	Corrected Reading (dBuV)	ICES-001 All Other Appl. QPK (dBuV)	Margin (dB)	ICES-001 All Other Appl. AVG (dBuV)	Margin (dB)
1	.0091	21.31	Qp	5	0	15.8	20	62.11	110	-47.89	-	-
2	.0489	20.81	Qp	.4	0	10	20	51.21	110	-58.79	-	-
3	.0991	12.35	Qp	.1	0	9.6	20	42.05	83.77	-41.72	-	-

Range 2: Line-L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trns Limiter (dB)	20dB Atten (dB)	Corrected Reading (dBuV)	ICES-001 All Other Appl. QPK (dBuV)	Margin (dB)	ICES-001 All Other Appl. AVG (dBuV)	Margin (dB)
5	.15	7.25	Av	.1	0	9.5	20	36.85	-	-	56	-19.15
7	.1613	1.23	Av	.1	0	9.5	20	30.83	-	-	55.4	-24.57
9	.1973	5.45	Av	.1	.1	9.4	20	35.05	-	-	53.73	-18.68
11	.2153	-2.41	Av	0	.1	9.4	20	27.09	-	-	53	-25.91
13	.2456	1.63	Av	0	0	9.4	20	31.03	-	-	51.9	-20.87
15	.5415	4.17	Av	0	.1	9.3	20	33.57	-	-	46	-12.43
4	.15	23.58	Qp	.1	0	9.5	20	53.18	66	-12.82	-	-
6	.1613	22.62	Qp	.1	0	9.5	20	52.22	65.4	-13.18	-	-
8	.1973	21.79	Qp	.1	.1	9.4	20	51.39	63.73	-12.34	-	-
10	.2153	19.1	Qp	0	.1	9.4	20	48.6	63	-14.4	-	-
12	.2468	18.22	Qp	0	0	9.4	20	47.62	61.87	-14.25	-	-
14	.5438	16.47	Qp	0	.1	9.3	20	45.87	56	-10.13	-	-

Qp - Quasi-Peak detector
Av - Average detection

LINE 2 RESULTS



WORST EMISSIONS

Range 3: Line-L2 .009 - .15MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trns Limiter (dB)	20dB Atten (dB)	Corrected Reading (dBuV)	ICES-001 All Other Appl. OPK (dBuV)	Margin (dB)	ICES-001 All Other Appl. AVG (dBuV)	Margin (dB)
16	.0091	20.72	Qp	5	0	15.8	20	61.52	110	-48.48	-	-
17	.0488	20.03	Qp	.4	0	10	20	50.43	110	-59.57	-	-
18	.0971	10.64	Qp	.1	0	9.6	20	40.34	83.96	-43.62	-	-

Range 4: Line-L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trns Limiter (dB)	20dB Atten (dB)	Corrected Reading (dBuV)	ICES-001 All Other Appl. OPK (dBuV)	Margin (dB)	ICES-001 All Other Appl. AVG (dBuV)	Margin (dB)
20	.15	8.03	Av	.1	0	9.5	20	37.63	-	-	56	-18.37
22	.1545	.87	Av	.1	0	9.5	20	30.47	-	-	55.75	-25.28
24	.1973	7.2	Av	0	.1	9.4	20	36.7	-	-	53.73	-17.03
26	.5426	9.91	Av	0	0	9.3	20	39.21	-	-	46	-6.79
28	.591	7.28	Av	0	.1	9.4	20	36.78	-	-	46	-9.22
30	1.7768	4.59	Av	0	.1	9.4	20	34.09	-	-	46	-11.91
19	.15	22.88	Qp	.1	0	9.5	20	52.48	66	-13.52	-	-
21	.1613	21.15	Qp	.1	0	9.5	20	50.75	65.4	-14.65	-	-
23	.1973	20.78	Qp	0	.1	9.4	20	50.28	63.73	-13.45	-	-
25	.5438	19.38	Qp	0	0	9.3	20	48.68	56	-7.32	-	-
27	.5843	17.99	Qp	0	.1	9.4	20	47.49	56	-8.51	-	-
29	1.7768	15.29	Qp	0	.1	9.4	20	44.79	56	-11.21	-	-

Qp - Quasi-Peak detector
Av - Average detection

10. DESCRIPTION OF TEST SETUP AND SETUP PHOTOS

Please refer to 15240874-EP1 (FCC) for description of test up and setup photo.

END OF TEST REPORT