

Test Report

Report No. : MTi260408002-0102E1
Date of issue : 2026-04-23
Applicant : Shenzhen Huagon Technology Co.,Ltd
Product : Car Wireless charger for 4Runner
Model(s) : WCH4R01
FCC ID : 2BKOL-WCH4R01

Shenzhen Microtest Co., Ltd.

TEST REPORT

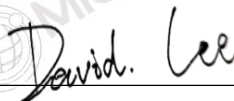
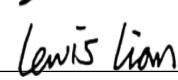
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Test Result Certification		
Applicant	Shenzhen Huagon Technology Co.,Ltd	
Applicant Address	6 floor,Building A,WeiHuada Industrial Park,No.5 Lirong Road, Xinshi community, Dalang street, Longhua District, shenzhen, China	
Manufacturer	Shenzhen Huagon Technology Co.,Ltd	
Manufacturer Address	6 floor,Building A,WeiHuada Industrial Park,No.5 Lirong Road, Xinshi community, Dalang street, Longhua District, shenzhen, China	
Factory	Shenzhen Huagon Technology Co.,Ltd	
Factory Address	6 floor,Building A,WeiHuada Industrial Park,No.5 Lirong Road, Xinshi community, Dalang street, Longhua District, shenzhen, China	
Product description		
Product name	Car Wireless charger for 4Runner	
Trademark	Mt Misión	
Model name	WCH4R01	
Series Model(s)	N/A	
Standards	47 CFR Part 15C	
Test Method	ANSI C63.10-2020+Cor 1-2023	
Testing Information		
Date of test	2026-04-17 to 2026-04-23	
Test result	Pass	
Prepared by:	James Qin	
Reviewed by:	David Lee	
Approved by:	Lewis Lian	

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1 General Description

1.1 Description of the EUT

Product name:	Car Wireless charger for 4Runner
Model name:	WCH4R01
Series Model(s):	N/A
Model difference:	N/A
Electrical rating:	Input: DC 12V/ 4A Wireless Output: 5W/ 7.5W/ 10W/ 15W
Accessories:	N/A
Hardware version:	V1
Software version:	V1
Test sample(s) number:	MTi260408002-01-R001
RF specification	
Operating frequency range:	Coil1&2&3&4: 115-205kHz
Modulation type:	ASK
Antenna(s) type:	Coil

1.2 Description of test modes

No.	Emission test modes
Mode1	Wireless Output Coil1(5W)+Coil3(5W)
Mode2	Wireless Output Coil1(5W)+Coil3(7.5W)
Mode3	Wireless Output Coil1(5W)+Coil3(10W)
Mode4	Wireless Output Coil1(5W)+Coil3(15W)
Mode5	Wireless Output Coil1(7.5W)+Coil3(5W)
Mode6	Wireless Output Coil1(7.5W)+Coil3(7.5W)
Mode7	Wireless Output Coil1(7.5W)+Coil3(10W)
Mode8	Wireless Output Coil1(7.5W)+Coil3(15W)
Mode9	Wireless Output Coil1(10W)+Coil3(5W)
Mode10	Wireless Output Coil1(10W)+Coil3(7.5W)
Mode11	Wireless Output Coil1(10W)+Coil3(10W)
Mode12	Wireless Output Coil1(10W)+Coil3(15W)
Mode13	Wireless Output Coil1(15W)+Coil3(5W)
Mode14	Wireless Output Coil1(15W)+Coil3(7.5W)
Mode15	Wireless Output Coil1(15W)+Coil3(10W)
Mode16	Wireless Output Coil1(15W)+Coil3(15W)
Mode17	Wireless Output Coil1(5W)+Coil4(5W)
Mode18	Wireless Output Coil1(5W)+Coil4(7.5W)

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Mode19	Wireless Output Coil1(5W)+Coil4(10W)
Mode20	Wireless Output Coil1(5W)+Coil4(15W)
Mode21	Wireless Output Coil1(7.5W)+Coil4(5W)
Mode22	Wireless Output Coil1(7.5W)+Coil4(7.5W)
Mode23	Wireless Output Coil1(7.5W)+Coil4(10W)
Mode24	Wireless Output Coil1(7.5W)+Coil4(15W)
Mode25	Wireless Output Coil1(10W)+Coil4(5W)
Mode26	Wireless Output Coil1(10W)+Coil4(7.5W)
Mode27	Wireless Output Coil1(10W)+Coil4(10W)
Mode28	Wireless Output Coil1(10W)+Coil4(15W)
Mode29	Wireless Output Coil1(15W)+Coil4(5W)
Mode30	Wireless Output Coil1(15W)+Coil4(7.5W)
Mode31	Wireless Output Coil1(15W)+Coil4(10W)
Mode32	Wireless Output Coil1(15W)+Coil4(15W)
Mode33	Wireless Output Coil2(5W)+Coil3(5W)
Mode34	Wireless Output Coil2(5W)+Coil3(7.5W)
Mode35	Wireless Output Coil2(5W)+Coil3(10W)
Mode36	Wireless Output Coil2(5W)+Coil3(15W)
Mode37	Wireless Output Coil2(7.5W)+Coil3(5W)
Mode38	Wireless Output Coil2(7.5W)+Coil3(7.5W)
Mode39	Wireless Output Coil2(7.5W)+Coil3(10W)
Mode40	Wireless Output Coil2(7.5W)+Coil3(15W)
Mode41	Wireless Output Coil2(10W)+Coil3(5W)
Mode42	Wireless Output Coil2(10W)+Coil3(7.5W)
Mode43	Wireless Output Coil2(10W)+Coil3(10W)
Mode44	Wireless Output Coil2(10W)+Coil3(15W)
Mode45	Wireless Output Coil2(15W)+Coil3(5W)
Mode46	Wireless Output Coil2(15W)+Coil3(7.5W)
Mode47	Wireless Output Coil2(15W)+Coil3(10W)
Mode48	Wireless Output Coil2(15W)+Coil3(15W)
Mode49	Wireless Output Coil2(5W)+Coil4(5W)
Mode50	Wireless Output Coil2(5W)+Coil4(7.5W)
Mode51	Wireless Output Coil2(5W)+Coil4(10W)
Mode52	Wireless Output Coil2(5W)+Coil4(15W)
Mode53	Wireless Output Coil2(7.5W)+Coil4(5W)
Mode54	Wireless Output Coil2(7.5W)+Coil4(7.5W)
Mode55	Wireless Output Coil2(7.5W)+Coil4(10W)
Mode56	Wireless Output Coil2(7.5W)+Coil4(15W)

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Mode57	Wireless Output Coil2(10W)+Coil4(5W)
Mode58	Wireless Output Coil2(10W)+Coil4(7.5W)
Mode59	Wireless Output Coil2(10W)+Coil4(10W)
Mode60	Wireless Output Coil2(10W)+Coil4(15W)
Mode61	Wireless Output Coil2(15W)+Coil4(5W)
Mode62	Wireless Output Coil2(15W)+Coil4(7.5W)
Mode63	Wireless Output Coil2(15W)+Coil4(10W)
Mode64	Wireless Output Coil2(15W)+Coil4(15W)
Mode65	Wireless Output Coil1(5W)
Mode66	Wireless Output Coil1(7.5W)
Mode67	Wireless Output Coil1(10W)
Mode68	Wireless Output Coil1(15W)
Mode69	Wireless Output Coil2(5W)
Mode70	Wireless Output Coil2(7.5W)
Mode71	Wireless Output Coil2(10W)
Mode72	Wireless Output Coil2(15W)
Mode73	Wireless Output Coil3(5W)
Mode74	Wireless Output Coil3(7.5W)
Mode75	Wireless Output Coil3(10W)
Mode76	Wireless Output Coil3(15W)
Mode77	Wireless Output Coil4(5W)
Mode78	Wireless Output Coil4(7.5W)
Mode79	Wireless Output Coil4(10W)
Mode80	Wireless Output Coil4(15W)
Mode81	Stand by

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1.3 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15°C ~ 35°C
Humidity:	20% RH ~ 75% RH
Atmospheric pressure:	98 kPa ~ 101 kPa

1.4 Description of support units

Support equipment list

Description	Model	Serial No.	Manufacturer
Accumulator	55D23LX	/	CAMEL
wireless charging load	YBZ2.1	/	YBZ

Support cable list

Description	Length (m)	From	To
/	/	/	/

1.5 Measurement uncertainty

Measurement	Uncertainty
Occupied channel bandwidth	±3 %
Radiated spurious emissions (9kHz~30MHz)	±4.3dB
Radiated spurious emissions (30MHz~1GHz)	±4.7dB
Temperature	±1 °C
Humidity	± 5 %

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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2 Summary of Test Result

No.	Item	Standard	Requirement	Result
1	Antenna requirement	47 CFR Part 15C	47 CFR Part 15.203	Pass
2	20dB Occupied Bandwidth	47 CFR Part 15C	47 CFR Part 15.215(c)	Pass
3	Emissions in frequency bands (below 30MHz)	47 CFR Part 15C	47 CFR Part 15.209	Pass
4	Emissions in frequency bands (30MHz - 1GHz)	47 CFR Part 15C	47 CFR Part 15.209	Pass

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3 Test Facilities and accreditations

3.1 Test laboratory

Test laboratory:	Shenzhen Microtest Co., Ltd.
Test site location:	101, No.7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Telephone:	(86-755)88850135
Fax:	(86-755)88850136
CNAS Registration No.:	CNAS L5868
FCC Registration No.:	448573
IC Registration No.:	21760
CABID:	CN0093

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4 List of test equipment

No.	Equipment	Manufacturer	Model	Serial No.	Cal. date	Cal. Due
20dB Occupied Bandwidth						
1	Wideband Radio Communication Tester	Rohde&schwarz	CMW500	149155	2026-03-09	2027-03-08
2	ESG Series Analog Ssignal Generator	Agilent	E4421B	GB40051240	2026-03-09	2027-03-08
3	PXA Signal Analyzer	Agilent	N9030A	MY51350296	2026-03-10	2027-03-09
4	Synthesized Sweeper	Agilent	83752A	3610A01957	2026-03-10	2027-03-09
5	MXA Signal Analyzer	Agilent	N9020A	MY50143483	2026-03-09	2027-03-08
6	RF Control Unit	Tonscend	JS0806-1	19D8060152	2026-03-11	2027-03-10
7	Band Reject Filter Group	Tonscend	JS0806-F	19D8060160	2026-03-11	2027-03-10
8	ESG Vector Signal Generator	Agilent	N5182A	MY50143762	2026-03-10	2027-03-09
9	DC Power Supply	Agilent	E3632A	MY40027695	2026-03-09	2027-03-08
10	RF Test System	Tonscend	JS1120-3 Test System Ver. V3.5.39	/	/	/
Emissions in frequency bands (below 30MHz)						
1	EMI Test Receiver	Rohde&schwarz	ESCi7	101166	2026-03-10	2027-03-09
2	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00066	2026-03-08	2028-03-07
3	Amplifier	Hewlett-Packard	8447F	3113A06184	2026-03-10	2027-03-09
4	EMI Measurement Software	Farad	EZ-EMC Ver.EMEC-3A1	/	/	/
Emissions in frequency bands (30MHz - 1GHz)						
1	EMI Test Receiver	Rohde&schwarz	ESCi7	101166	2026-03-10	2027-03-09
2	TRILOG Broadband Antenna	schwarabeck	VULB 9163	9163-1338	2025-05-23	2027-05-22
3	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00066	2026-03-08	2028-03-07
4	Amplifier	Hewlett-Packard	8447F	3113A06184	2026-03-10	2027-03-09
5	EMI Measurement Software	Farad	EZ-EMC Ver.EMEC-3A1	/	/	/

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5 Evaluation Results (Evaluation)

5.1 Antenna requirement

Test Requirement:	Refer to 47 CFR Part 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.
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5.1.1 Conclusion:

The antenna of the EUT is permanently attached.
The EUT complies with the requirement of FCC PART 15.203.

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6 Radio Spectrum Matter Test Results (RF)

6.1 20dB Occupied Bandwidth

Test Requirement:	47 CFR Part 15.215(c)
Test Limit:	Refer to 47 CFR 15.215(c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.
Test Method:	ANSI ANSI C63.10-2020+Cor 1-2023, section 6.9.2
Procedure:	a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW. b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW, unless otherwise specified by the applicable requirement. c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level. Specific guidance is given in 4.1.5.2. d) Steps a) through c) might require iteration to adjust within the specified tolerances. e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target “-xx dB down” requirement; that is, if the requirement calls for measuring the -20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below the reference value. f) Set detection mode to peak and trace mode to max hold. g) Determine the reference value: Set the EUT to transmit an unmodulated carrier or modulated signal, as applicable. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value). h) Determine the “-xx dB down amplitude” using $[(\text{reference value}) - xx]$. Alternatively, this calculation may be made by using the marker-delta function of the instrument. i) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from step g) shall be used for step j). j) Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-xx dB down amplitude” determined in step h). If a marker is below this “-xx dB down amplitude” value, then it shall be as close as possible to this value. The occupied bandwidth is the frequency difference between the two markers. Alternatively, set a marker at the lowest frequency of the envelope of the spectral display, such that the marker is at or slightly below the “-xx dB down amplitude” determined in step h). Reset the marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the reference marker amplitude. The marker-

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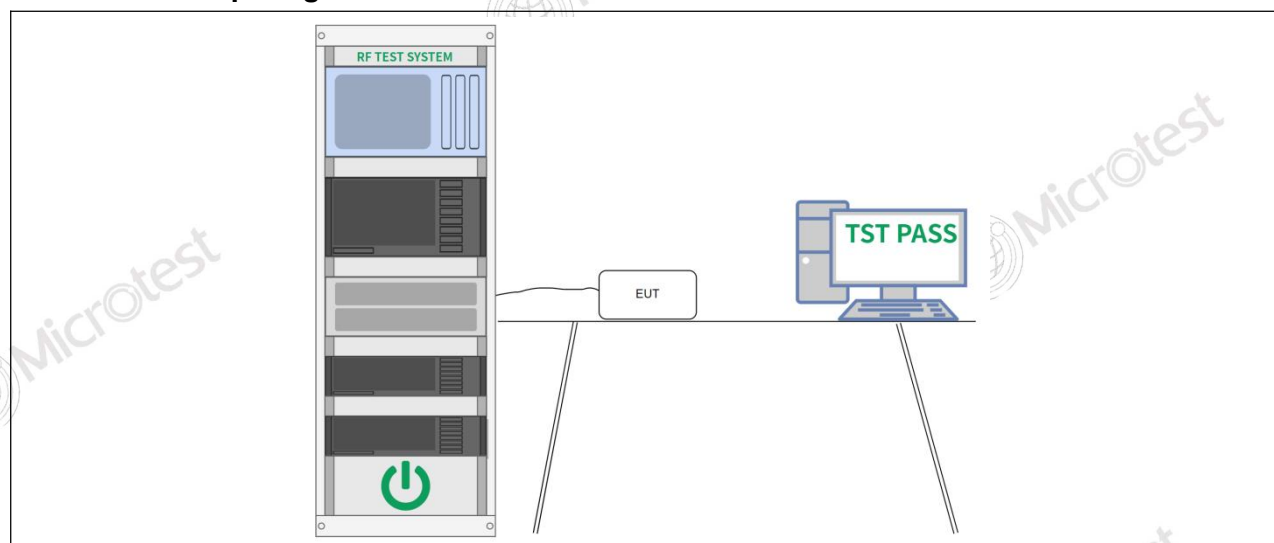
	delta frequency reading at this point is the specified emission bandwidth. k) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).
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6.1.1 E.U.T. Operation:

Operating Environment:

Temperature:	23.8 °C	Humidity:	55 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12, Mode13, Mode14, Mode15, Mode16, Mode17, Mode18, Mode19, Mode20, Mode21, Mode22, Mode23, Mode24, Mode25, Mode26, Mode27, Mode28, Mode29, Mode30, Mode31, Mode32, Mode33, Mode34, Mode35, Mode36, Mode37, Mode38, Mode39, Mode40, Mode41, Mode42, Mode43, Mode44, Mode45, Mode46, Mode47, Mode48, Mode49, Mode50, Mode51, Mode52, Mode53, Mode54, Mode55, Mode56, Mode57, Mode58, Mode59, Mode60, Mode61, Mode62, Mode63, Mode64, Mode65, Mode66, Mode67, Mode68, Mode69, Mode70, Mode71, Mode72, Mode73, Mode74, Mode75, Mode76, Mode77, Mode78, Mode79, Mode80, Mode81				
Final test mode:	All of the listed pre-test mode were tested, only the data of the worst mode (Mode68, Mode72, Mode76, Mode80) is recorded in the report				

6.1.2 Test Setup Diagram:



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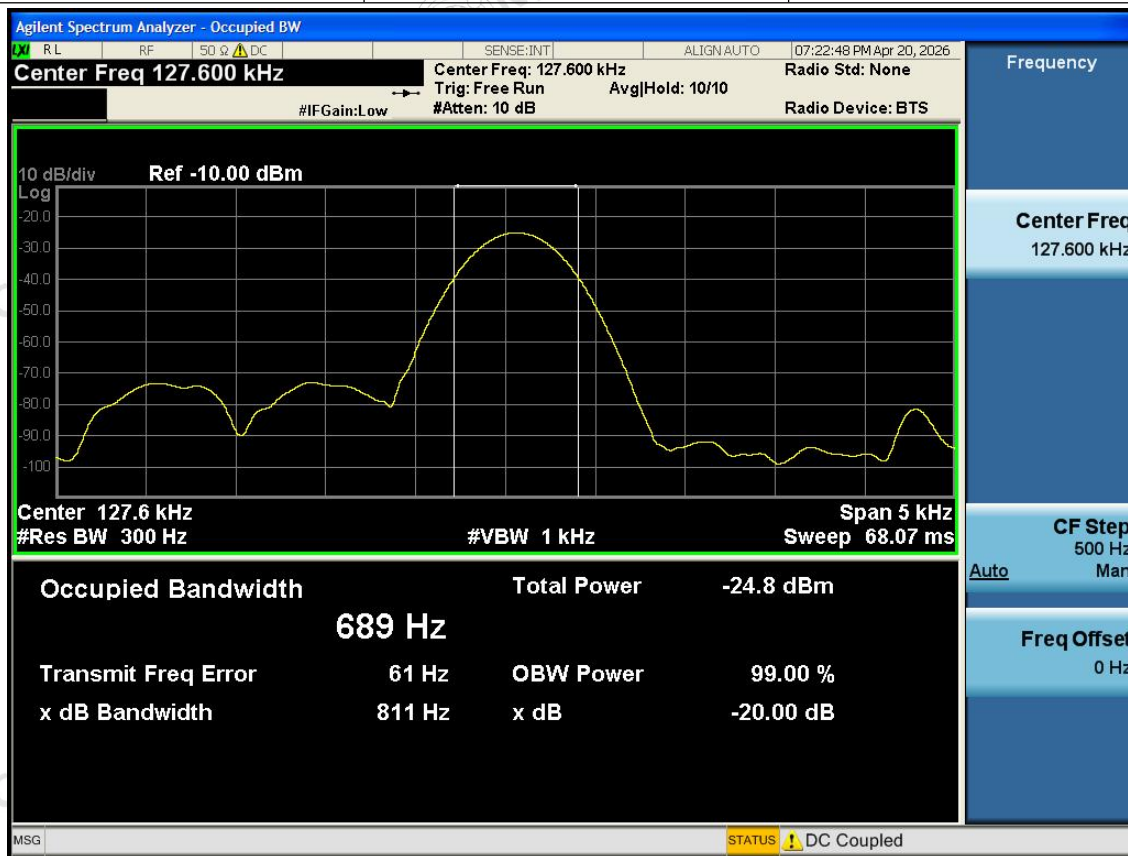
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6.1.3 Test Data:

Note: Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 300 Hz to perform the occupied bandwidth test.

Mode68

Frequency kHz	20 dB occupied bandwidth Hz	99% occupied bandwidth Hz
127.6	811	689

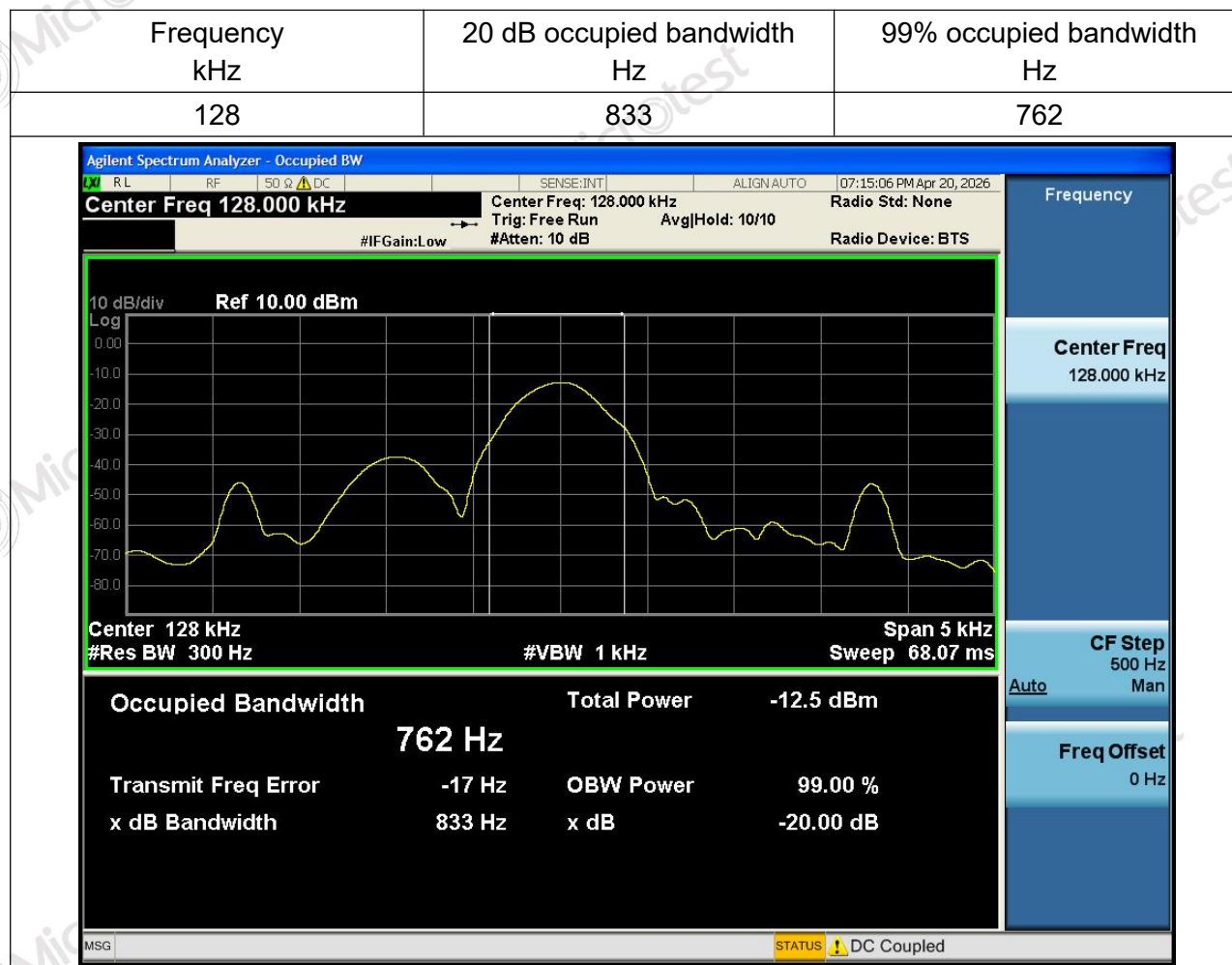


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Note: Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 300 Hz to perform the occupied bandwidth test.

Mode72

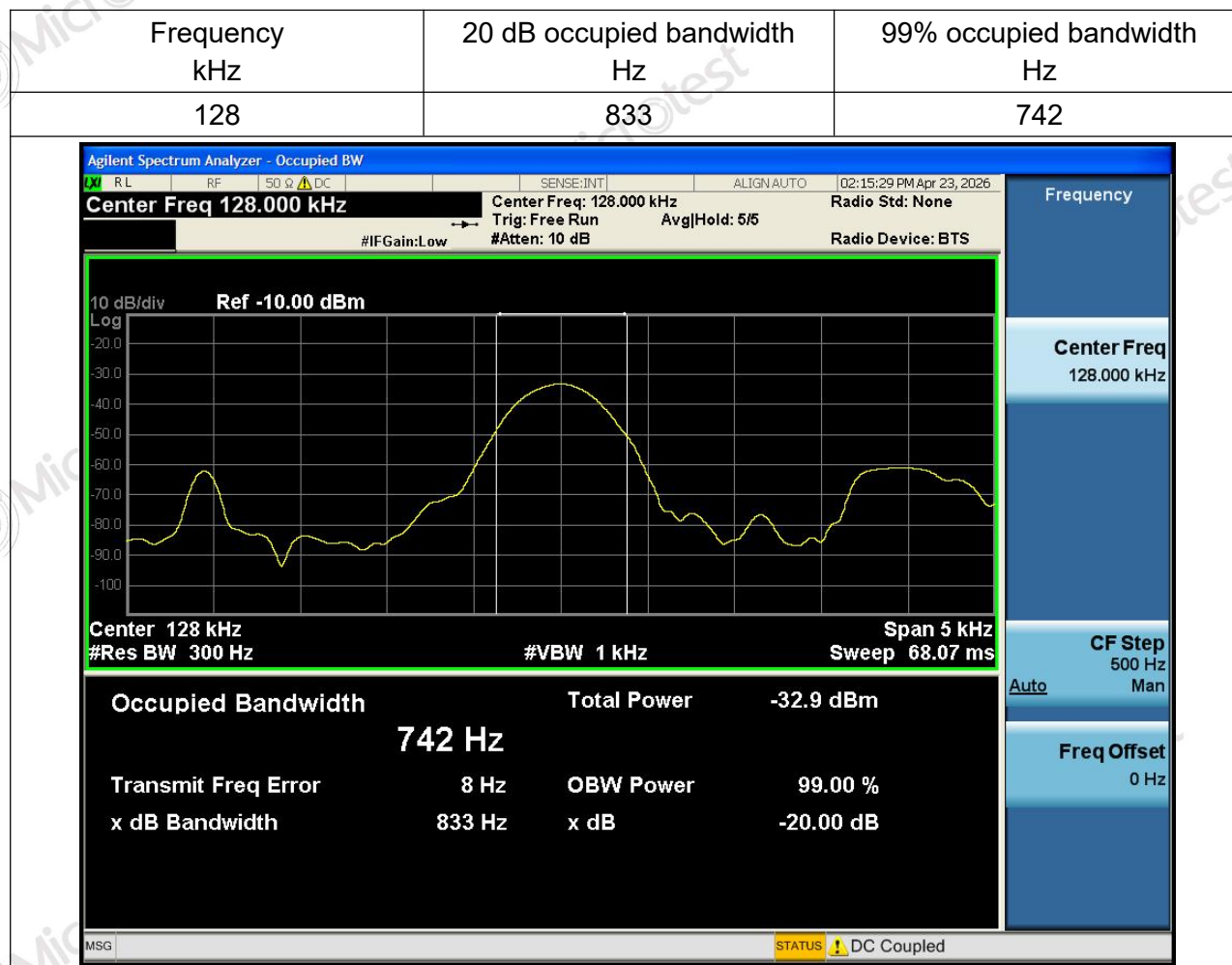


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Note: Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 300 Hz to perform the occupied bandwidth test.

Mode76

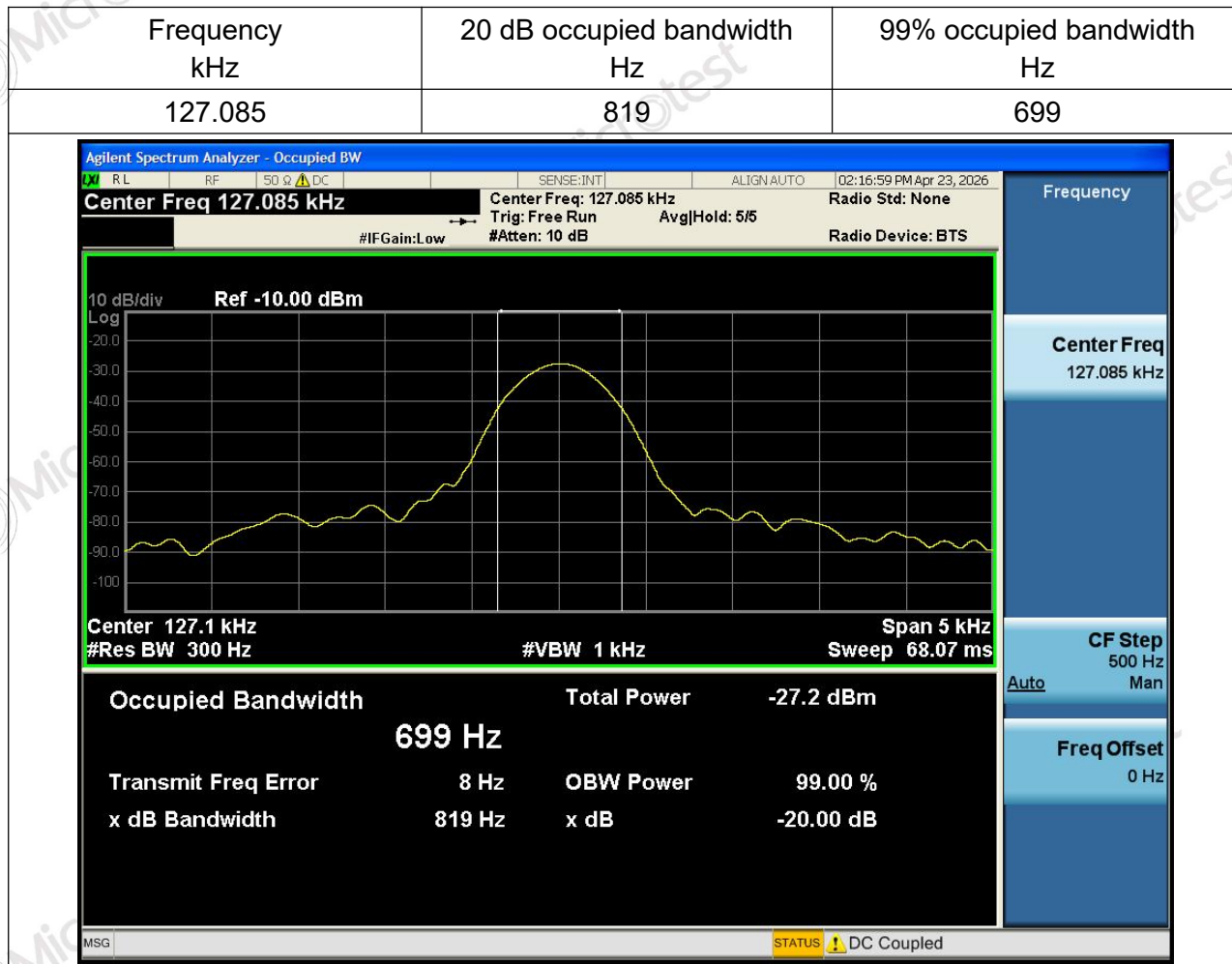


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Note: Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 300 Hz to perform the occupied bandwidth test.

Mode80



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6.2 Emissions in frequency bands (below 30MHz)

Test Requirement:	47 CFR Part 15.209		
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	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
	88-216	150 **	3
	216-960	200 **	3
	Above 960	500	3
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a) and (b) of this section are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation under paragraph (b) of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.			
Test Method:	ANSI ANSI C63.10-2020+Cor 1-2023 section 6.4		
Procedure:	ANSI ANSI C63.10-2020+Cor 1-2023 section 6.4		

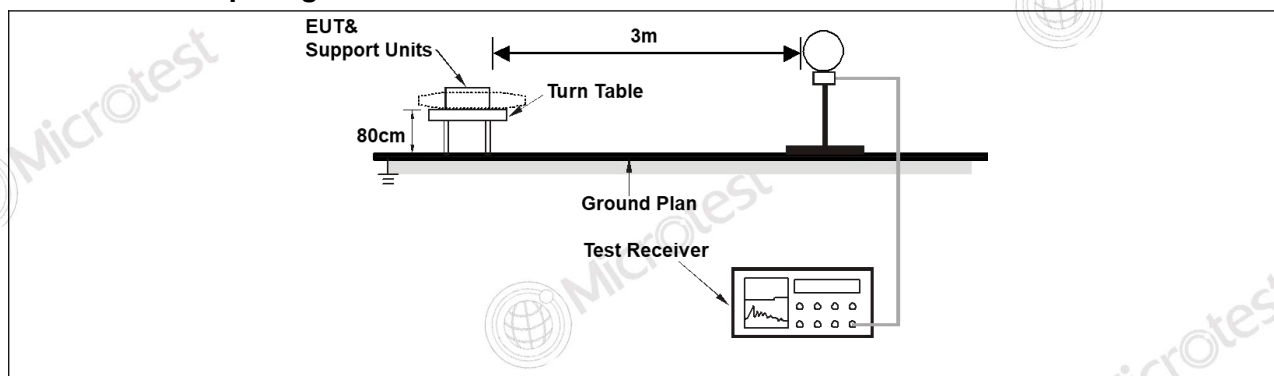
6.2.1 E.U.T. Operation:

Operating Environment:					
Temperature:	25 °C	Humidity:	61 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12, Mode13, Mode14, Mode15, Mode16, Mode17, Mode18, Mode19, Mode20, Mode21, Mode22, Mode23, Mode24, Mode25, Mode26, Mode27, Mode28, Mode29, Mode30, Mode31, Mode32, Mode33, Mode34, Mode35, Mode36, Mode37, Mode38, Mode39, Mode40, Mode41, Mode42, Mode43, Mode44, Mode45, Mode46, Mode47, Mode48, Mode49, Mode50, Mode51, Mode52, Mode53, Mode54, Mode55, Mode56, Mode57, Mode58, Mode59, Mode60, Mode61, Mode62, Mode63, Mode64, Mode65, Mode66, Mode67, Mode68, Mode69, Mode70, Mode71, Mode72, Mode73, Mode74, Mode75, Mode76, Mode77, Mode78, Mode79, Mode80, Mode81				
Final test mode:	All of the listed pre-test mode were tested, only the data of the worst mode (Mode68, Mode72, Mode76, Mode80) is recorded in the report				

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6.2.2 Test Setup Diagram:

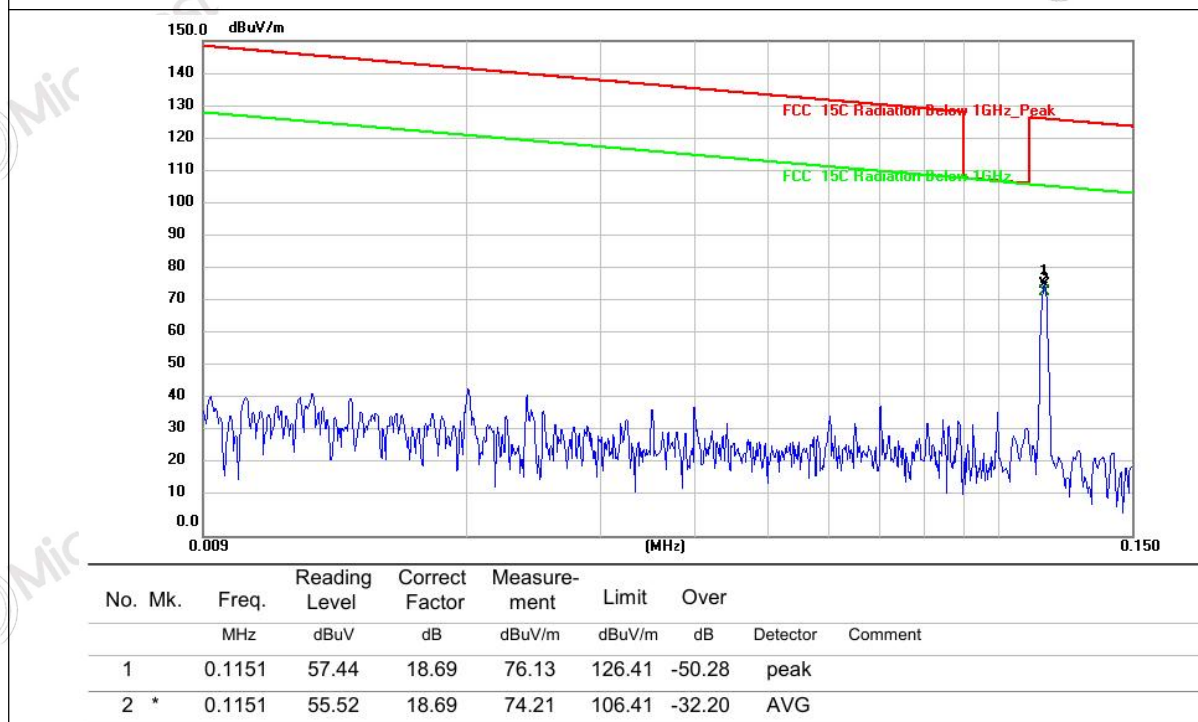


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6.2.3 Test Data:

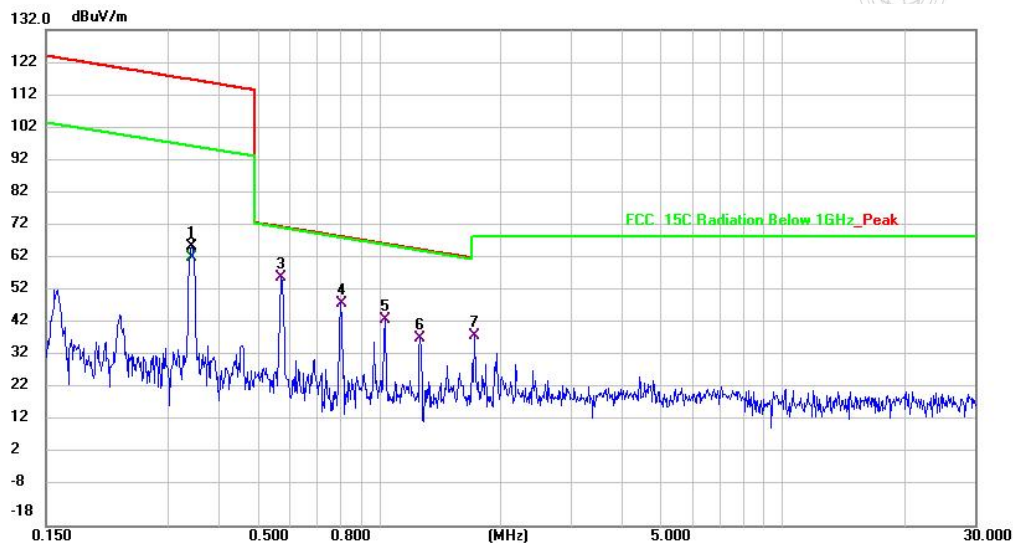
Mode68 / Polarization: Coaxial



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Mode68 / Polarization: Coaxial

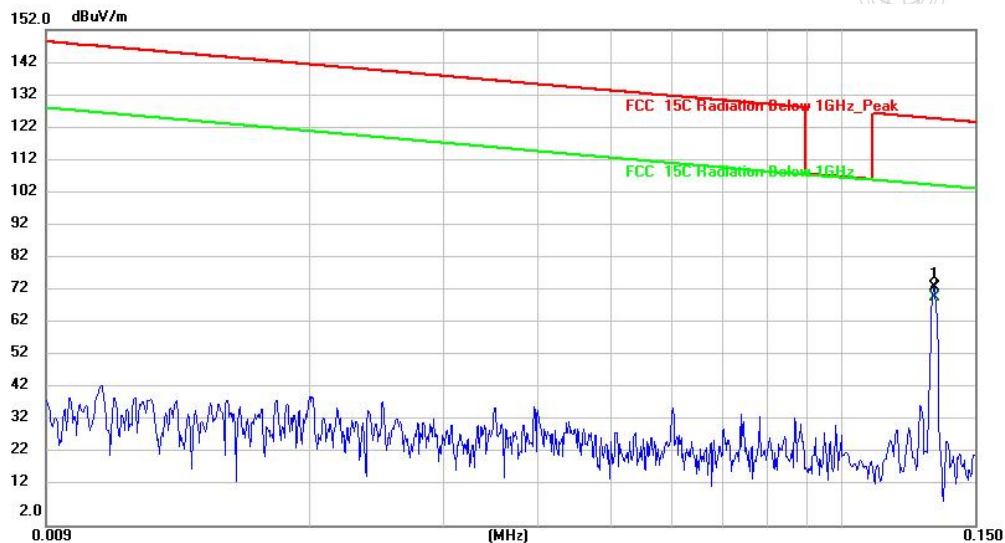


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		0.3446	46.93	19.62	66.55	116.86	-50.31	peak	
2		0.3446	43.59	19.62	63.21	96.86	-33.65	AVG	
3	*	0.5731	36.65	20.41	57.06	72.44	-15.38	QP	
4		0.8045	29.00	20.41	49.41	69.51	-20.10	QP	
5		1.0320	22.97	21.36	44.33	67.35	-23.02	QP	
6		1.2621	17.04	21.85	38.89	65.61	-26.72	QP	
7		1.7253	16.65	22.83	39.48	69.50	-30.02	QP	

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Mode72 / Polarization: Coaxial

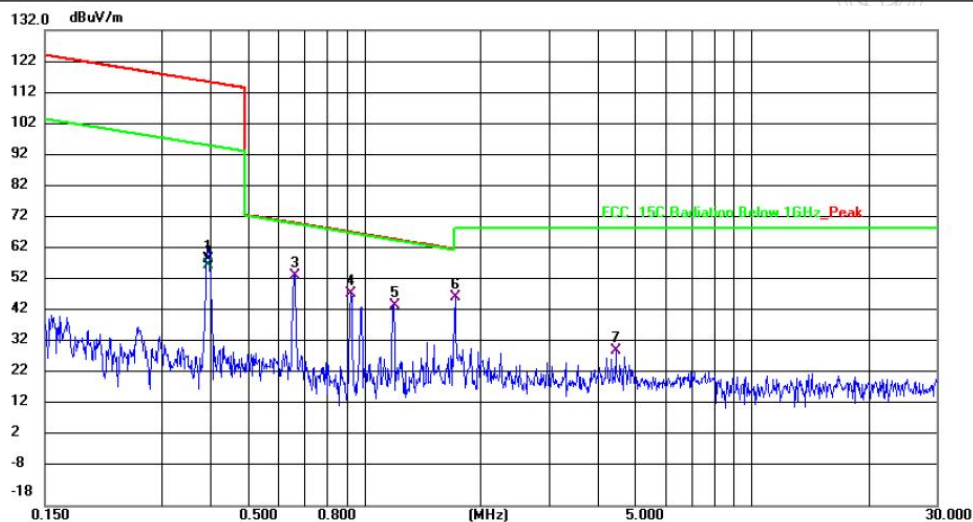


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		0.1324	55.17	19.06	74.23	125.19	-50.96	peak	
2	*	0.1324	52.18	19.06	71.24	105.19	-33.95	AVG	

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Mode72 / Polarization: Coaxial

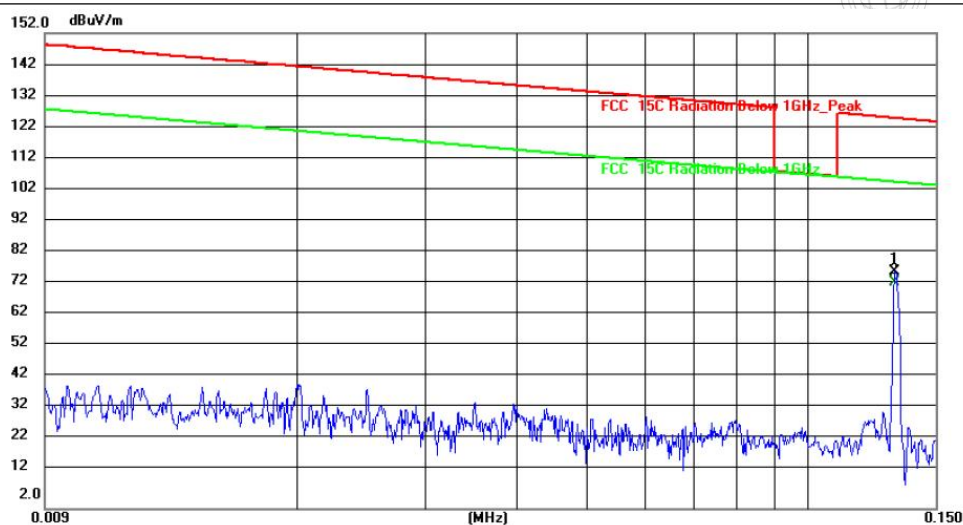


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		0.3955	40.20	19.80	60.00	115.66	-55.66	peak	
2		0.3955	38.06	19.80	57.86	95.66	-37.80	AVG	
3	*	0.6613	34.05	20.62	54.67	71.20	-16.53	QP	
4		0.9233	28.08	20.99	49.07	68.31	-19.24	QP	
5		1.1907	23.62	21.70	45.32	66.11	-20.79	QP	
6		1.7162	25.04	22.81	47.85	69.50	-21.65	QP	
7		4.4540	12.27	18.85	31.12	69.50	-38.38	QP	

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Mode76 / Polarization: Coaxial

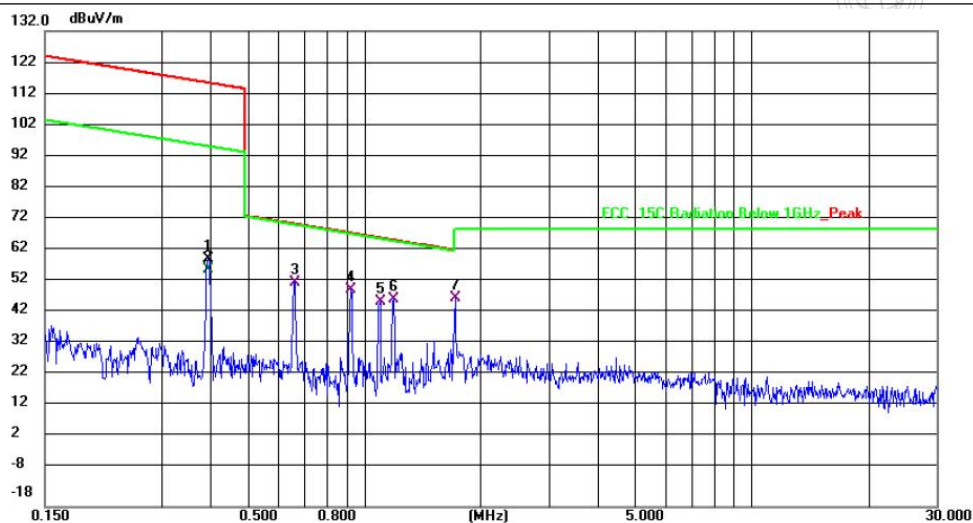


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		0.1317	57.57	19.09	76.66	125.23	-48.57	peak	
2	*	0.1317	54.47	19.09	73.56	105.23	-31.67	AVG	

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Mode76 / Polarization: Coaxial

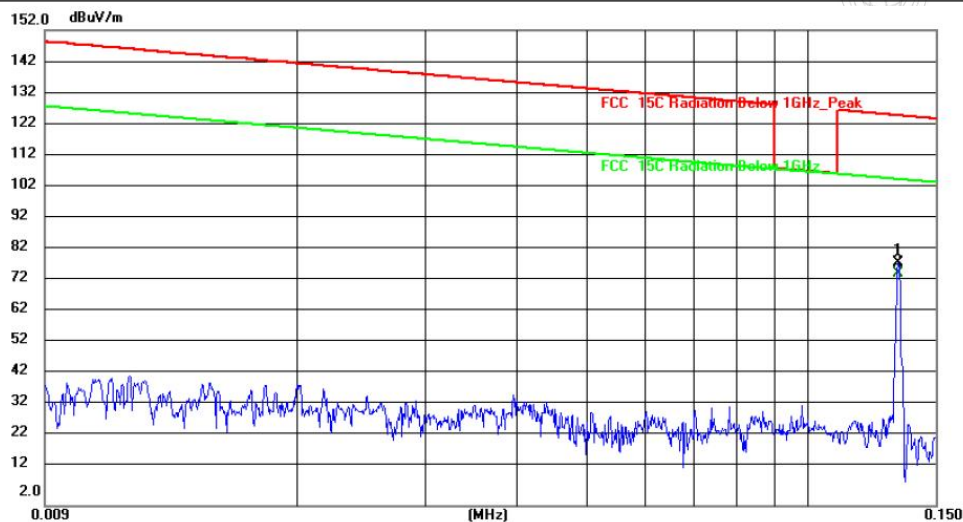


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.3955	40.28	19.80	60.08	115.66	-55.58	peak	
2		0.3955	36.86	19.80	56.66	95.66	-39.00	AVG	
3		0.6611	32.05	20.62	52.67	71.21	-18.54	QP	
4	*	0.9233	29.58	20.99	50.57	68.31	-17.74	QP	
5		1.0995	25.12	21.51	46.63	66.80	-20.17	QP	
6		1.1906	25.62	21.70	47.32	66.11	-18.79	QP	
7		1.7160	25.04	22.81	47.85	69.50	-21.65	QP	

TEST REPORT

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Mode76 / Polarization: Coaxial

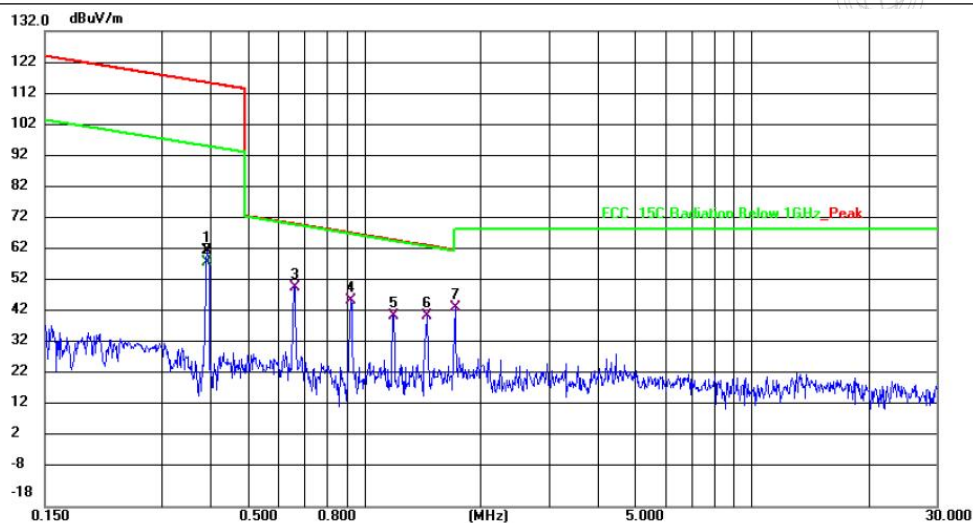


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1332	59.60	19.03	78.63	125.13	-46.50	peak	
2	*	0.1332	56.20	19.03	75.23	105.13	-29.90	AVG	

TEST REPORT

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Mode76 / Polarization: Coaxial



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.3933	43.13	19.77	62.90	115.71	-52.81	peak	
2		0.3933	39.19	19.77	58.96	95.71	-36.75	AVG	
3	*	0.6611	30.55	20.62	51.17	71.21	-20.04	QP	
4		0.9233	26.08	20.99	47.07	68.31	-21.24	QP	
5		1.1906	20.62	21.70	42.32	66.11	-23.79	QP	
6		1.4483	19.78	22.24	42.02	64.41	-22.39	QP	
7		1.7159	22.04	22.81	44.85	69.50	-24.65	QP	

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6.3 Emissions in frequency bands (30MHz - 1GHz)

Test Requirement:	47 CFR Part 15.209		
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	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
	88-216	150 **	3
	216-960	200 **	3
	Above 960	500	3
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a) and (b) of this section are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation under paragraph (b) of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.			
Test Method:	ANSI ANSI C63.10-2020+Cor 1-2023 section 6.5		
Procedure:	ANSI ANSI C63.10-2020+Cor 1-2023 section 6.5		

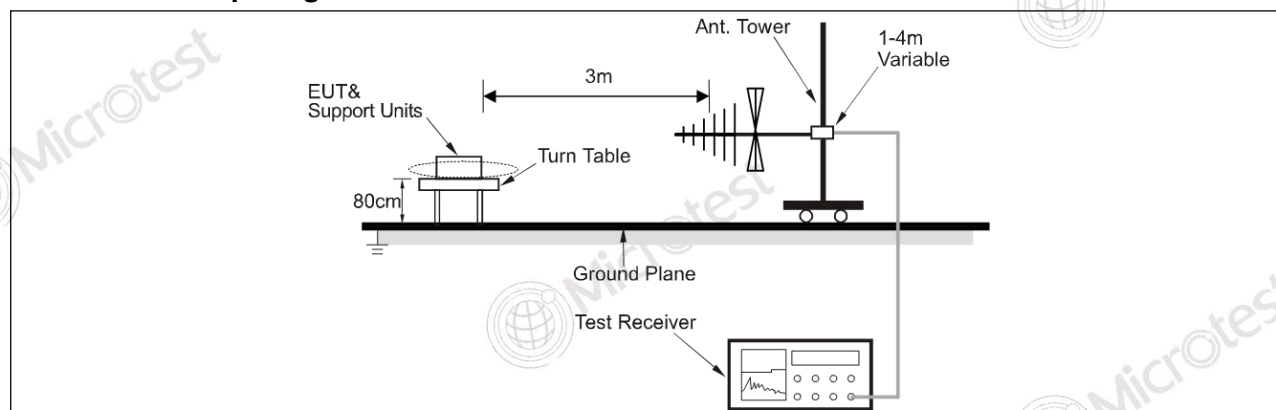
6.3.1 E.U.T. Operation:

Operating Environment:					
Temperature:	25 °C	Humidity:	61 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11, Mode12, Mode13, Mode14, Mode15, Mode16, Mode17, Mode18, Mode19, Mode20, Mode21, Mode22, Mode23, Mode24, Mode25, Mode26, Mode27, Mode28, Mode29, Mode30, Mode31, Mode32, Mode33, Mode34, Mode35, Mode36, Mode37, Mode38, Mode39, Mode40, Mode41, Mode42, Mode43, Mode44, Mode45, Mode46, Mode47, Mode48, Mode49, Mode50, Mode51, Mode52, Mode53, Mode54, Mode55, Mode56, Mode57, Mode58, Mode59, Mode60, Mode61, Mode62, Mode63, Mode64, Mode65, Mode66, Mode67, Mode68, Mode69, Mode70, Mode71, Mode72, Mode73, Mode74, Mode75, Mode76, Mode77, Mode78, Mode79, Mode80, Mode81				
Final test mode:	All of the listed pre-test mode were tested, only the data of the worst mode (Mode8) is recorded in the report				

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6.3.2 Test Setup Diagram:

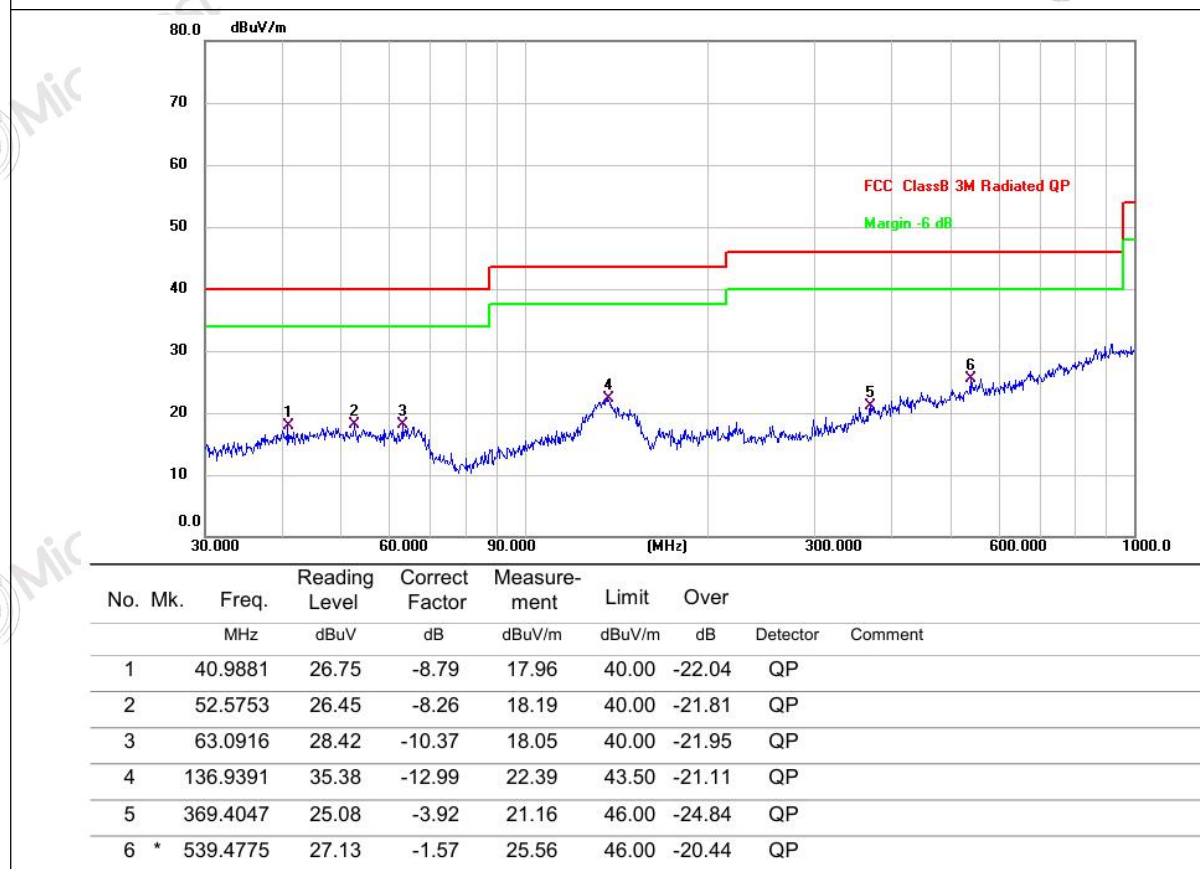


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6.3.3 Test Data:

Mode8 / Polarization: Horizontal



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Mode8 / Polarization: Vertical



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	45.3755	26.68	-8.75	17.93	40.00	-22.07	QP	
2	52.5753	26.19	-8.26	17.93	40.00	-22.07	QP	
3	134.5592	34.28	-13.25	21.03	43.50	-22.47	QP	
4 *	224.5193	35.82	-9.14	26.68	46.00	-19.32	QP	
5	403.2500	24.71	-3.23	21.48	46.00	-24.52	QP	
6	543.2742	26.14	-1.30	24.84	46.00	-21.16	QP	

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Photographs of the test setup

Refer to Appendix - Test Setup Photos

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Photographs of the EUT

Refer to Appendix - EUT Photos

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Statement

1. This report is invalid without the seal and signature of the laboratory.
2. The test results of this report are only responsible for the samples submitted. Client shall be responsible for representativeness of the sample and authenticity of the material.
3. The report shall not be partially reproduced without the written consent of the Laboratory.
4. This report is invalid if transferred, altered or tampered with in any form without authorization.
5. The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.
6. Any objection to this report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

***** END OF REPORT *****