



Ademco, Inc.

Duo WiFi

FCC 15.247:2019

802.11bgn SISO Radio

Report # ADEM0001.1



NVLAP LAB CODE: 200881-0



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CERTIFICATE OF TEST



Last Date of Test: April 19, 2019

Ademco, Inc.

Model: Duo WiFi

Radio Equipment Testing

Standards

Specification	Method
FCC 15.247:2019	ANSI C63.10:2013, KDB 558074

Results

Method Clause	Test Description	Applied	Results	Comments
6.2	Powerline Conducted Emissions	No	N/A	Not required for a C2PC to FCC ID HS9-TH8321WF01
11.12.1, 11.13.2, 6.5, 6.6	Spurious Radiated Emissions	Yes	Pass	
11.6	Duty Cycle	Yes	Pass	
11.8.2	Occupied Bandwidth	Yes	Pass	
11.9.2.2.4	Output Power	Yes	Pass	
11.10.2	Power Spectral Density	No	N/A	Not required for a C2PC to FCC ID HS9-TH8321WF01
11.11	Band Edge Compliance	No	N/A	Not required for a C2PC to FCC ID HS9-TH8321WF01
11.11	Spurious Conducted Emissions	No	N/A	Not required for a C2PC to FCC ID HS9-TH8321WF01

Deviations From Test Standards

None

Approved By:

Matt Nuernberg, Operations Manager

Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information. As indicated in the Statement of Work sent with the quotation, Element's standard process is to always use the latest published version of the test methods even when earlier versions are cited in the test specification. Issuance of a purchase order was de facto acceptance of this approach. Otherwise, the client would have advised Element in writing of the specific version of the test methods they wanted applied to the subject testing.

REVISION HISTORY



Revision Number	Description	Date (yyyy-mm-dd)	Page Number
00	None		

ACCREDITATIONS AND AUTHORIZATIONS



United States

FCC - Designated by the FCC as a Telecommunications Certification Body (TCB). Certification chambers, Open Area Test Sites, and conducted measurement facilities are listed with the FCC.

A2LA - Accredited by A2LA to ISO / IEC 17065 as a product certifier. This allows Element to certify transmitters to FCC and IC specifications.

NVLAP - Each laboratory is accredited by NVLAP to ISO 17025

Canada

ISED - Recognized by Innovation, Science and Economic Development Canada as a Certification Body (CB) and as a CAB for the acceptance of test data.

European Union

European Commission – Within Element, we have a EU Notified Body validated for the EMCD and RED Directives.

Australia/New Zealand

ACMA - Recognized by ACMA as a CAB for the acceptance of test data.

Korea

MSIT / RRA - Recognized by KCC's RRA as a CAB for the acceptance of test data.

Japan

VCCI - Associate Member of the VCCI. Conducted and radiated measurement facilities are registered.

Taiwan

BSMI – Recognized by BSMI as a CAB for the acceptance of test data.

NCC - Recognized by NCC as a CAB for the acceptance of test data.

Singapore

IDA – Recognized by IDA as a CAB for the acceptance of test data.

Israel

MOC – Recognized by MOC as a CAB for the acceptance of test data.

Hong Kong

OFCA – Recognized by OFCA as a CAB for the acceptance of test data.

Vietnam

MIC – Recognized by MIC as a CAB for the acceptance of test data.

SCOPE

For details on the Scopes of our Accreditations, please visit:

<https://www.nwemc.com/emc-testing-accreditations>

FACILITIES



California Labs OC01-17 41 Tesla Irvine, CA 92618 (949) 861-8918	Minnesota Labs MN01-10 9349 W Broadway Ave. Brooklyn Park, MN 55445 (612)-638-5136	Oregon Labs EV01-12 6775 NE Evergreen Pkwy #400 Hillsboro, OR 97124 (503) 844-4066	Texas Labs TX01-09 3801 E Plano Pkwy Plano, TX 75074 (469) 304-5255	Washington Labs NC01-05 19201 120 th Ave NE Bothell, WA 98011 (425)984-6600
NVLAP				
NVLAP Lab Code: 200676-0	NVLAP Lab Code: 200881-0	NVLAP Lab Code: 200630-0	NVLAP Lab Code:201049-0	NVLAP Lab Code: 200629-0
Innovation, Science and Economic Development Canada				
2834B-1, 2834B-3	2834E-1, 2834E-3	2834D-1	2834G-1	2834F-1
BSMI				
SL2-IN-E-1154R	SL2-IN-E-1152R	SL2-IN-E-1017	SL2-IN-E-1158R	SL2-IN-E-1153R
VCCI				
A-0029	A-0109	A-0108	A-0201	A-0110
Recognized Phase I CAB for ISED, ACMA, BSMI, IDA, KCC/RRR, MIC, MOC, NCC, OFCA				
US0158	US0175	US0017	US0191	US0157



MEASUREMENT UNCERTAINTY

Measurement Uncertainty

When a measurement is made, the result will be different from the true or theoretically correct value. The difference is the result of tolerances in the measurement system that cannot be completely eliminated. To the extent that technology allows us, it has been our aim to minimize this error. Measurement uncertainty is a statistical expression of measurement error qualified by a probability distribution.

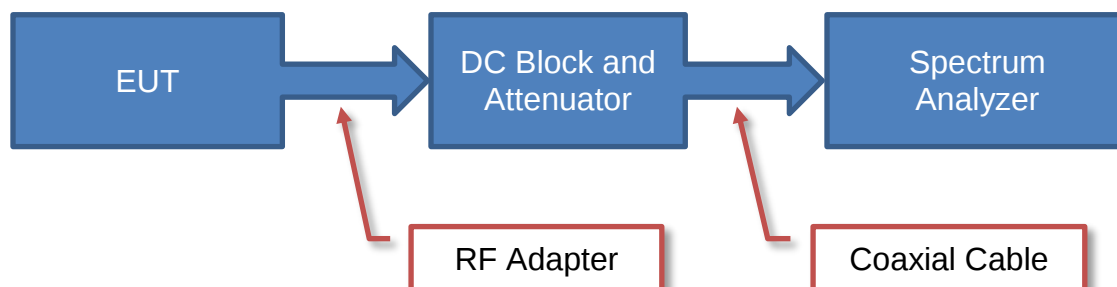
A measurement uncertainty estimation has been performed for each test per our internal quality document QM205.4.6. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty (K=2) can be found included as part of the applicable test description page. Our measurement data meets or exceeds the measurement uncertainty requirements of the applicable specification; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for estimating measurement uncertainty are based upon ETSI TR 100 028 (or CISPR 16-4-2 as applicable), and are available upon request.

The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

Test	+ MU	- MU
Frequency Accuracy (Hz)	0.0007%	-0.0007%
Amplitude Accuracy (dB)	1.2 dB	-1.2 dB
Conducted Power (dB)	1.2 dB	-1.2 dB
Radiated Power via Substitution (dB)	0.7 dB	-0.7 dB
Temperature (degrees C)	0.7°C	-0.7°C
Humidity (% RH)	2.5% RH	-2.5% RH
Voltage (AC)	1.0%	-1.0%
Voltage (DC)	0.7%	-0.7%
Field Strength (dB)	5.2 dB	-5.2 dB
AC Powerline Conducted Emissions (dB)	2.4 dB	-2.4 dB

Test Setup Block Diagrams

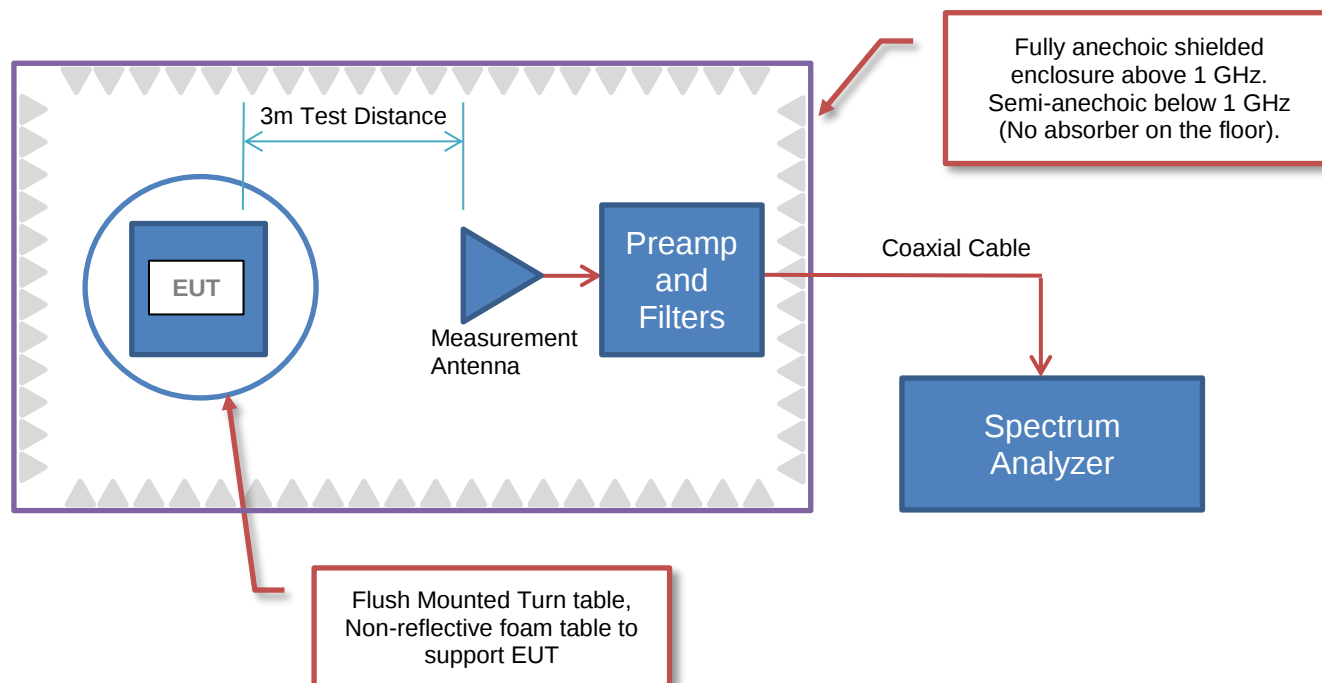
Antenna Port Conducted Measurements



Near Field Test Fixture Measurements



Spurious Radiated Emissions



PRODUCT DESCRIPTION



Client and Equipment Under Test (EUT) Information

Company Name:	Ademco, Inc.
Address:	251 Little Falls Drive
City, State, Zip:	Wilmington, DE 19808
Test Requested By:	Abryl Acosta
Model:	Duo WiFi
First Date of Test:	April 19, 2019
Last Date of Test:	April 19, 2019
Receipt Date of Samples:	April 15, 2019
Equipment Design Stage:	Production
Equipment Condition:	No Damage
Purchase Authorization:	Verified

Information Provided by the Party Requesting the Test

Functional Description of the EUT:
Thermostat with Wi-Fi and 2 antennas for diversity
Testing Objective:
To demonstrate compliance of the 802.11 radio under FCC 15.247 for operation in the 2.4 GHz band.

CONFIGURATIONS

Configuration ADEM0001- 1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Duo WiFi	Ademco, Inc.	Unknown	67504

Peripherals in test setup boundary			
Description	Manufacturer	Model/Part Number	Serial Number
AC Transformer	Hammond Manufacturing	F5-AC2440VA-2S	None

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
AC Power	No	0.9m	No	Duo WiFi	AC Transformer

Configuration ADEM0001- 2

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Duo WiFi	Ademco, Inc.	Unknown	67588

Peripherals in test setup boundary			
Description	Manufacturer	Model/Part Number	Serial Number
AC Transformer	Hammond Manufacturing	F5-AC2440VA-2S	None

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
AC Power	No	0.9m	No	Duo WiFi	AC Transformer

MODIFICATIONS

Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	2019-04-19	Spurious Radiated Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
2	2019-04-19	Output Power	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
3	2019-04-19	Duty Cycle	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
4	2019-04-19	Occupied Bandwidth	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

SPURIOUS RADIATED EMISSIONS



PSA-ESCI 2019.02.26

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data. The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

MODES OF OPERATION

Tx on Low channel 1 (2412 MHz), Mid channel 6 (2437 MHz), and High channel 11 (2462 MHz); 1 Mbps, 11 Mbps, 6 Mbps, 36 Mbps, 54 Mbps, MCS0, and MCS7; Antennas 0 and 1

POWER SETTINGS INVESTIGATED

110VAC/60Hz

CONFIGURATIONS INVESTIGATED

ADEM0001 - 1

FREQUENCY RANGE INVESTIGATED

Start Frequency	30 MHz	Stop Frequency	26500 MHz
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SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Filter - High Pass	Micro-Tronics	HPM50111	LFN	24-Sep-2018	12 mo
Attenuator	Fairview Microwave	SA18E-20	TWZ	24-Sep-2018	12 mo
Amplifier - Pre-Amplifier	Miteq	JSD4-18002600-26-8P	APU	13-Sep-2018	12 mo
Cable	ESM Cable Corp	TTBJ141 KMKM-72	MNP	12-Sep-2018	12 mo
Antenna - Standard Gain	ETS Lindgren	3160-09	AHG	NCR	0 mo
Amplifier - Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AVW	8-Feb-2019	12 mo
Antenna - Standard Gain	ETS Lindgren	3160-08	AIQ	NCR	0 mo
Amplifier - Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AVV	8-Feb-2019	12 mo
Cable	ESM Cable Corp.	Standard Gain Horn Cables	MNJ	8-Mar-2019	12 mo
Antenna - Standard Gain	ETS Lindgren	3160-07	AXP	NCR	0 mo
Amplifier - Pre-Amplifier	Miteq	AMF-3D-00100800-32-13P	AVT	8-Feb-2019	12 mo
Cable	ESM Cable Corp.	Double Ridge Guide Horn Cables	MNI	24-Sep-2018	12 mo
Antenna - Double Ridge	ETS Lindgren	3115	AJA	27-Jun-2018	24 mo
Amplifier - Pre-Amplifier	Miteq	AM-1616-1000	AVO	2-Nov-2018	12 mo
Cable	ESM Cable Corp.	Bilog Cables	MNH	2-Nov-2018	12 mo
Antenna - Biconilog	Teseg	CBL 6141B	AYD	25-Jan-2018	24 mo
Analyzer - Spectrum Analyzer	Keysight	N9010A (EXA)	AFQ	13-Dec-2018	12 mo

TEST DESCRIPTION

The highest gain antenna of each type to be used with the EUT was tested. The EUT was configured for the required transmit frequencies and the modes as showed in the data sheets.

For each configuration, the spectrum was scanned throughout the specified range as part of the exploratory investigation of the emissions. These "pre-scans" are not included in the report. Final measurements on individual emissions were then made and included in this test report.

The individual emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axis if required, and adjusting the measurement antenna height and polarization (per ANSIC63.10). A preamp and high pass filter (and notch filter) were used for this test in order to provide sufficient measurement sensitivity.

Measurements were made with the required detectors and annotated on the data for each individual point using the following

annotation:

QP = Quasi-Peak Detector

PK = Peak Detector

AV = RMS Detector

Measurements were made to satisfy the specific requirements of the test specification for out of band emissions as well as the restricted band requirements.

If there are no detectable emissions above the noise floor, the data included may show noise floor measurements for reference only.

Measurements at the edges of the allowable band may be presented in an alternative method as provided for in the ANSI C63.10 Marker-Delta method. This method involves performing an in-band fundamental measurement followed by a screen capture of the fundamental and out-of-band emission using reduced measurement instrumentation bandwidths. The amplitude delta measured on this screen capture is applied to the fundamental emission value to show the out-of-band emission level as applied to the limit.

Where the radio test software does not provide for a duty cycle at continuous transmit conditions (> 98%) and the RMS (power average) measurements were made across the on and off times of the EUT transmissions, a duty cycle correction is added to the measurements using the formula of $10 \cdot \text{LOG}(\text{dc})$.

SPURIOUS RADIATED EMISSIONS

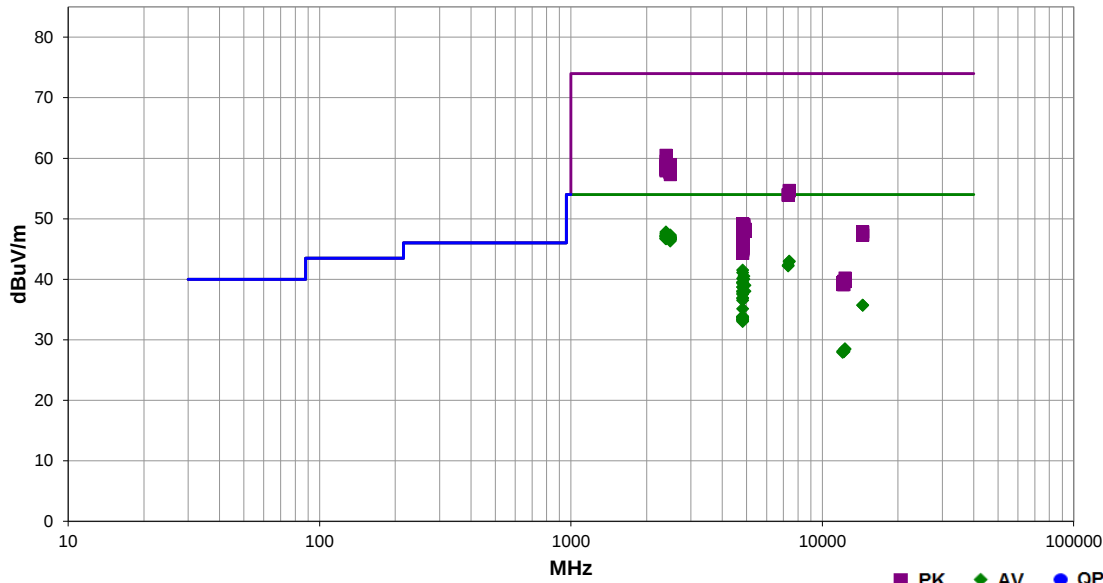


EmiRS 2018.09.26 PSA-ESCI 2019.02.26

Work Order:	ADEM0001	Date:	19-Apr-2019	
Project:	None	Temperature:	23.7 °C	
Job Site:	MN05	Humidity:	30% RH	
Serial Number:	67504	Barometric Pres.:	1019 mbar	
EUT:		Duo WiFi		
Configuration:	1			
Customer:	Ademco, Inc.			
Attendees:	None			
EUT Power:	110VAC/60Hz			
Operating Mode:	Tx on Low channel 1 (2412 MHz), Mid channel 6 (2437 MHz), and High channel 11 (2462 MHz); 1 Mbps, 11 Mbps, 6 Mbps, 36 Mbps, 54 Mbps, MCS0, and MCS7; Antennas 0 and 1			
Deviations:	None			
Comments:	See data comments for Tx channel, modulation, EUT orientation, and antenna port. For modulations with <98% duty cycle a duty cycle correction factor (DCCF) was applied where DCCF = 10*log(1/x) where x = duty cycle.			

Test Specifications	Test Method
FCC 15.247:2019	ANSI C63.10:2013

Run #	22	Test Distance (m)	3	Antenna Height(s)	1 to 4(m)	Results	Pass
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Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Correction Factor (meters)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2389.995	30.4	-3.1	2.7	224.0	0.5	20.0	Horz	AV	0.0	47.8	54.0	-6.2	Low ch., MCS7, EUT horz, Ant 1
2389.925	30.7	-3.1	1.0	261.0	0.0	20.0	Horz	AV	0.0	47.6	54.0	-6.4	Low ch., 6 Mbps, EUT horz, Ant 0
2388.435	30.6	-3.1	1.0	12.9	0.0	20.0	Horz	AV	0.0	47.5	54.0	-6.5	Low ch., 1 Mbps, EUT horz, Ant 1
2483.775	30.5	-3.7	1.0	304.9	0.5	20.0	Horz	AV	0.0	47.3	54.0	-6.7	High ch., MCS7, EUT horz, Ant 0
2389.715	29.9	-3.1	1.0	257.0	0.5	20.0	Vert	AV	0.0	47.3	54.0	-6.7	Low ch., MCS7, EUT on side, Ant 0
2485.490	30.4	-3.7	1.0	321.0	0.5	20.0	Vert	AV	0.0	47.2	54.0	-6.8	High ch., MCS7, EUT on side, Ant 0
2389.950	29.8	-3.1	1.9	19.0	0.5	20.0	Vert	AV	0.0	47.2	54.0	-6.8	Low ch., MCS7, EUT horz, Ant 1
2389.900	30.2	-3.1	1.2	202.0	0.0	20.0	Vert	AV	0.0	47.1	54.0	-6.9	Low ch., 1 Mbps, EUT on side, Ant 0
2388.925	30.2	-3.1	1.0	128.9	0.0	20.0	Horz	AV	0.0	47.1	54.0	-6.9	Low ch., 1 Mbps, EUT horz, Ant 0
2388.815	30.2	-3.1	1.0	0.0	0.0	20.0	Vert	AV	0.0	47.1	54.0	-6.9	Low ch., 6 Mbps, EUT on side, Ant 0
2389.790	30.2	-3.1	1.0	268.0	0.5	20.0	Horz	AV	0.0	47.1	54.0	-6.9	Low ch., MCS7, EUT horz, Ant 0
2483.960	30.2	-3.7	1.0	238.0	0.5	20.0	Horz	AV	0.0	47.0	54.0	-7.0	High ch., MCS7, EUT horz, Ant 1
2483.655	30.7	-3.7	1.0	227.0	0.0	20.0	Horz	AV	0.0	47.0	54.0	-7.0	High ch., 1 Mbps, EUT horz, Ant 1
2485.690	30.6	-3.7	2.0	246.9	0.0	20.0	Horz	AV	0.0	46.9	54.0	-7.1	High ch., 1 Mbps, EUT horz, Ant 0
2483.535	30.6	-3.7	2.7	181.9	0.0	20.0	Horz	AV	0.0	46.9	54.0	-7.1	High ch., 6 Mbps, EUT vert, Ant 1
2485.760	30.6	-3.7	1.0	263.0	0.0	20.0	Horz	AV	0.0	46.9	54.0	-7.1	High ch., 1 Mbps, EUT horz, Ant 1
2389.735	30.0	-3.1	1.0	120.0	0.0	20.0	Horz	AV	0.0	46.9	54.0	-7.1	Low ch., 11 Mbps, EUT horz, Ant 1
2483.650	30.2	-3.7	1.0	260.0	0.3	20.0	Horz	AV	0.0	46.8	54.0	-7.2	High ch., 36 Mbps, EUT horz, Ant 1
2486.245	30.0	-3.7	1.0	268.9	0.5	20.0	Vert	AV	0.0	46.8	54.0	-7.2	High ch., MCS7, EUT horz, Ant 1
2484.080	30.5	-3.7	1.0	292.0	0.0	20.0	Vert	AV	0.0	46.8	54.0	-7.2	High ch., 6 Mbps, EUT on side, Ant 0
2483.530	30.5	-3.7	1.0	188.0	0.0	20.0	Horz	AV	0.0	46.8	54.0	-7.2	High ch., 6 Mbps, EUT horz, Ant 0
2484.170	30.5	-3.7	1.0	12.9	0.0	20.0	Horz	AV	0.0	46.8	54.0	-7.2	High ch., 6 Mbps, EUT horz, Ant 1
2486.330	30.5	-3.7	1.0	276.9	0.0	20.0	Vert	AV	0.0	46.8	54.0	-7.2	High ch., 6 Mbps, EUT horz, Ant 1
2483.705	30.5	-3.7	1.0	5.9	0.0	20.0	Vert	AV	0.0	46.8	54.0	-7.2	High ch., 11 Mbps, EUT horz, Ant 1
2389.870	29.9	-3.1	1.0	268.9	0.0	20.0	Horz	AV	0.0	46.8	54.0	-7.2	Low ch., 6 Mbps, EUT horz, Ant 1

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Correction Factor (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2485.855	30.0	-3.7	3.6	310.0	0.5	20.0	Horz	AV	0.0	46.8	54.0	-7.2	High ch., 54 Mbps, EUT horz, Ant 0
2483.565	30.0	-3.7	1.0	138.0	0.5	20.0	Vert	AV	0.0	46.8	54.0	-7.2	High ch., 54 Mbps, EUT on side, Ant 0
2483.675	30.0	-3.7	1.0	54.0	0.5	20.0	Horz	AV	0.0	46.8	54.0	-7.2	High ch., 54 Mbps, EUT horz, Ant 1
2483.625	30.0	-3.7	1.0	59.9	0.5	20.0	Vert	AV	0.0	46.8	54.0	-7.2	High ch., 54 Mbps, EUT horz, Ant 1
2483.600	30.1	-3.7	1.0	243.9	0.4	20.0	Horz	AV	0.0	46.8	54.0	-7.2	High ch., 36 Mbps, EUT horz, Ant 0
2485.265	30.4	-3.7	1.0	13.9	0.0	20.0	Horz	AV	0.0	46.7	54.0	-7.3	High ch., 6 Mbps, EUT on side, Ant 0
2485.645	30.4	-3.7	1.0	171.0	0.0	20.0	Horz	AV	0.0	46.7	54.0	-7.3	High ch., 11 Mbps, EUT horz, Ant 0
2485.505	30.4	-3.7	1.0	270.0	0.0	20.0	Vert	AV	0.0	46.7	54.0	-7.3	High ch., MCS0, EUT on side, Ant 0
2486.120	30.4	-3.7	2.1	138.9	0.0	20.0	Horz	AV	0.0	46.7	54.0	-7.3	High ch., MCS0, EUT horz, Ant 0
2483.525	30.4	-3.7	1.0	193.9	0.0	20.0	Vert	AV	0.0	46.7	54.0	-7.3	High ch., 6 Mbps, EUT vert, Ant 1
2484.505	30.4	-3.7	1.0	329.0	0.0	20.0	Horz	AV	0.0	46.7	54.0	-7.3	High ch., 6 Mbps, EUT on side, Ant 1
2486.495	30.4	-3.7	1.0	254.9	0.0	20.0	Vert	AV	0.0	46.7	54.0	-7.3	High ch., 6 Mbps, EUT on side, Ant 1
2485.055	30.4	-3.7	1.0	261.9	0.0	20.0	Vert	AV	0.0	46.7	54.0	-7.3	High ch., 1 Mbps, EUT horz, Ant 1
2389.765	29.8	-3.1	1.0	218.9	0.0	20.0	Vert	AV	0.0	46.7	54.0	-7.3	Low ch., 1 Mbps, EUT horz, Ant 1
2389.925	29.8	-3.1	1.0	249.0	0.0	20.0	Vert	AV	0.0	46.7	54.0	-7.3	Low ch., 6 Mbps, EUT horz, Ant 1
2389.670	29.8	-3.1	1.0	160.9	0.0	20.0	Vert	AV	0.0	46.7	54.0	-7.3	Low ch., 11 Mbps, EUT horz, Ant 1
2483.965	30.0	-3.7	1.0	160.0	0.3	20.0	Vert	AV	0.0	46.6	54.0	-7.4	High ch., 36 Mbps, EUT horz, Ant 1
2484.230	30.3	-3.7	1.0	164.9	0.0	20.0	Horz	AV	0.0	46.6	54.0	-7.4	High ch., 6 Mbps, EUT vert, Ant 0
2484.085	30.3	-3.7	3.9	109.9	0.0	20.0	Vert	AV	0.0	46.6	54.0	-7.4	High ch., 6 Mbps, EUT vert, Ant 0
2485.640	30.3	-3.7	1.0	311.0	0.0	20.0	Vert	AV	0.0	46.6	54.0	-7.4	High ch., 1 Mbps, EUT on side, Ant 0
2483.515	30.3	-3.7	1.0	188.0	0.0	20.0	Horz	AV	0.0	46.6	54.0	-7.4	High ch., MCS0, EUT horz, Ant 1
2485.705	29.9	-3.7	1.0	232.9	0.4	20.0	Vert	AV	0.0	46.6	54.0	-7.5	High ch., 36 Mbps, EUT on side, Ant 0
2484.705	30.2	-3.7	1.0	304.0	0.0	20.0	Vert	AV	0.0	46.5	54.0	-7.5	High ch., 6 Mbps, EUT horz, Ant 0
2486.320	30.2	-3.7	2.4	311.9	0.0	20.0	Vert	AV	0.0	46.5	54.0	-7.5	High ch., 11 Mbps, EUT on side, Ant 0
2486.315	30.0	-3.7	1.3	1.0	0.0	20.0	Vert	AV	0.0	46.3	54.0	-7.7	High ch., MCS0, EUT horz, Ant 1
7387.285	31.0	12.0	3.2	210.9	0.0	0.0	Vert	AV	0.0	43.0	54.0	-11.0	High ch., 1 Mbps, EUT vert, Ant 0
7386.585	30.9	12.0	1.0	174.0	0.0	0.0	Horz	AV	0.0	42.9	54.0	-11.1	High ch., 1 Mbps, EUT vert, Ant 0
7311.505	30.5	11.8	1.2	155.0	0.0	0.0	Horz	AV	0.0	42.3	54.0	-11.7	Mid ch., 1 Mbps, EUT vert, Ant 0
7312.245	30.4	11.8	2.3	304.9	0.0	0.0	Vert	AV	0.0	42.2	54.0	-11.8	Mid ch., 1 Mbps, EUT vert, Ant 0
4823.995	37.1	4.4	2.1	204.9	0.0	0.0	Vert	AV	0.0	41.5	54.0	-12.5	Low ch., 1 Mbps, EUT vert, Ant 0
4823.965	36.7	4.4	3.1	202.0	0.0	0.0	Vert	AV	0.0	41.1	54.0	-12.9	Low ch., 1 Mbps, EUT on side, Ant 1
4873.945	36.0	4.5	2.3	203.0	0.0	0.0	Vert	AV	0.0	40.5	54.0	-13.5	Mid ch., 1 Mbps, EUT vert, Ant 0
2389.870	43.6	-3.1	2.7	224.0	0.0	20.0	Horz	PK	0.0	60.5	74.0	-13.5	Low ch., MCS7, EUT horz, Ant 1
4823.960	35.7	4.4	2.0	162.0	0.0	0.0	Vert	AV	0.0	40.1	54.0	-13.9	Low ch., 1 Mbps, EUT on side, Ant 0
4874.015	35.5	4.5	2.0	257.9	0.0	0.0	Horz	AV	0.0	40.0	54.0	-14.0	Mid ch., 1 Mbps, EUT vert, Ant 0
2389.980	42.6	-3.1	1.0	261.0	0.0	20.0	Horz	PK	0.0	59.5	74.0	-14.5	Low ch., 6 Mbps, EUT horz, Ant 0
4823.985	35.1	4.4	1.0	225.0	0.0	0.0	Horz	AV	0.0	39.5	54.0	-14.5	Low ch., 1 Mbps, EUT horz, Ant 1
4823.965	35.1	4.4	3.5	311.9	0.0	0.0	Vert	AV	0.0	39.5	54.0	-14.5	Low ch., 1 Mbps, EUT vert, Ant 1
4823.955	34.9	4.4	1.0	231.0	0.0	0.0	Horz	AV	0.0	39.3	54.0	-14.7	Low ch., 1 Mbps, EUT vert, Ant 0
4924.055	34.3	4.7	1.3	177.0	0.0	0.0	Vert	AV	0.0	39.0	54.0	-15.0	High ch., 1 Mbps, EUT vert, Ant 0
2484.135	42.6	-3.7	1.0	188.0	0.0	20.0	Horz	PK	0.0	58.9	74.0	-15.1	High ch., MCS0, EUT horz, Ant 1
2387.070	42.0	-3.1	1.0	12.9	0.0	20.0	Horz	PK	0.0	58.9	74.0	-15.1	Low ch., 1 Mbps, EUT horz, Ant 1
2389.060	42.0	-3.1	1.9	19.0	0.0	20.0	Vert	PK	0.0	58.9	74.0	-15.1	Low ch., MCS7, EUT horz, Ant 1
2486.420	42.4	-3.7	1.0	188.0	0.0	20.0	Horz	PK	0.0	58.7	74.0	-15.3	High ch., 6 Mbps, EUT horz, Ant 0
2485.470	42.4	-3.7	1.0	304.9	0.0	20.0	Horz	PK	0.0	58.7	74.0	-15.3	High ch., MCS7, EUT horz, Ant 0
4823.990	34.3	4.4	1.3	353.0	0.0	0.0	Horz	AV	0.0	38.7	54.0	-15.3	Low ch., 1 Mbps, EUT on side, Ant 1
4823.985	34.3	4.4	1.0	12.0	0.0	0.0	Horz	AV	0.0	38.7	54.0	-15.3	Low ch., 1 Mbps, EUT vert, Ant 1
2485.235	42.4	-3.7	1.0	160.0	0.0	20.0	Vert	PK	0.0	58.7	74.0	-15.3	High ch., 36 Mbps, EUT horz, Ant 1
2486.300	42.4	-3.7	1.0	59.9	0.0	20.0	Vert	PK	0.0	58.7	74.0	-15.3	High ch., 54 Mbps, EUT horz, Ant 1
2387.395	41.7	-3.1	1.0	128.9	0.0	20.0	Horz	PK	0.0	58.6	74.0	-15.4	Low ch., 1 Mbps, EUT horz, Ant 0
2389.020	41.7	-3.1	1.0	268.9	0.0	20.0	Horz	PK	0.0	58.6	74.0	-15.4	Low ch., 6 Mbps, EUT horz, Ant 1
2485.130	42.2	-3.7	1.0	13.9	0.0	20.0	Horz	PK	0.0	58.5	74.0	-15.5	High ch., 6 Mbps, EUT on side, Ant 0
2388.425	41.6	-3.1	1.0	268.0	0.0	20.0	Horz	PK	0.0	58.5	74.0	-15.5	Low ch., MCS7, EUT horz, Ant 0
2485.580	42.2	-3.7	1.0	260.0	0.0	20.0	Horz	PK	0.0	58.5	74.0	-15.5	High ch., 36 Mbps, EUT horz, Ant 1
2484.675	42.2	-3.7	1.3	1.0	0.0	20.0	Vert	PK	0.0	58.5	74.0	-15.5	High ch., MCS0, EUT horz, Ant 1
2485.840	42.1	-3.7	2.0	246.9	0.0	20.0	Horz	PK	0.0	58.4	74.0	-15.6	High ch., 1 Mbps, EUT horz, Ant 0
2484.325	42.1	-3.7	1.0	171.0	0.0	20.0	Horz	PK	0.0	58.4	74.0	-15.6	High ch., 11 Mbps, EUT horz, Ant 0
2486.170	42.1	-3.7	1.0	232.9	0.0	20.0	Vert	PK	0.0	58.4	74.0	-15.6	High ch., 36 Mbps, EUT on side, Ant 0
2485.400	42.1	-3.7	1.0	276.9	0.0	20.0	Vert	PK	0.0	58.4	74.0	-15.6	High ch., 6 Mbps, EUT horz, Ant 1
2387.985	41.5	-3.1	1.0	120.0	0.0	20.0	Horz	PK	0.0	58.4	74.0	-15.6	Low ch., 11 Mbps, EUT horz, Ant 1
2389.855	41.5	-3.1	1.0	160.9	0.0	20.0	Vert	PK	0.0	58.4	74.0	-15.6	Low ch., 11 Mbps, EUT horz, Ant 1
2484.670	42.0	-3.7	1.0	54.0	0.0	20.0	Horz	PK	0.0	58.3	74.0	-15.7	High ch., 54 Mbps, EUT horz, Ant 1
2389.730	41.4	-3.1	1.0	218.9	0.0	20.0	Vert	PK	0.0	58.3	74.0	-15.7	Low ch., 1 Mbps, EUT horz, Ant 1
2388.900	41.3	-3.1	1.0	257.0	0.0	20.0	Vert	PK	0.0	58.2	74.0	-15.8	Low ch., MCS7, EUT on side, Ant 0
2484.315	41.9	-3.7	1.0	193.9	0.0	20.0	Vert	PK	0.0	58.2	74.0	-15.8	High ch., 6 Mbps, EUT vert, Ant 1
2484.390	41.9	-3.7	1.0	227.0	0.0	20.0	Horz	PK	0.0	58.2	74.0	-15.8	High ch., 1 Mbps, EUT horz, Ant 1
2484.845	41.9	-3.7	1.0	238.0	0.0	20.0	Horz	PK	0.0	58.2	74.0	-15.8	High ch., MCS7, EUT horz, Ant 1
2485.165	41.8	-3.7	2.4	311.9	0.0	20.0	Vert	PK	0.0	58.1	74.0	-15.9	High ch., 11 Mbps, EUT on side, Ant 0
2388.310	41.2	-3.1	1.2	202.0	0.0	20.0	Vert	PK	0.0	58.1	74.0	-15.9	Low ch., 1 Mbps, EUT on side, Ant 0
2484.490	41.8	-3.7	1.0	254.9	0.0	20.0	Vert	PK	0.0	58.1	74.0	-15.9	High ch., 6 Mbps, EUT on side, Ant 1
2486.095	41.8	-3.7	1.0	261.9	0.0	20.0	Vert	PK	0.0	58.1	74.0	-15.9	High ch., 1 Mbps, EUT horz, Ant 1
2484.915	41.8	-3.7	1.0	263.0	0.0	20.0	Horz	PK	0.0	58.1	74.0	-15.9	High ch., 11 Mbps, EUT horz, Ant 1
2483.595	41.8	-3.7	1.0	5.9	0.0	20.0	Vert	PK	0.0	58.1	74.0	-15.9	High ch., 11 Mbps, EUT horz, Ant 1
2485.720	41.8	-3.7	1.0	268.9	0.0	20.0	Vert	PK	0.0	58.1	74.0	-15.9	High ch., MCS7, EUT horz, Ant 1
2389.815	41.2	-3.1	1.0	249.0	0.0	20.0	Vert	PK	0.0	58.1	74.0	-15.9	Low ch., 6 Mbps, EUT horz, Ant 1
4823.955	33.6	4.4	3.6	196.0	0.0	0.0	Vert	AV	0.0	38.0	54.0	-16.0	Low ch., 11 Mbps, EUT on side, Ant 1
4823.915	33.6	4.4	1.0	114.9	0.0	0.0	Horz	AV	0.0	38.0	54.0	-16.0	Low ch., 1 Mbps, EUT on side, Ant 0
4924.060	33.3	4.7	1.0	167.9	0.0	0.0	Horz	AV	0.0	38.0	54.0	-16.0	High ch., 1 Mbps, EUT vert, Ant 0
2486.310	41.7	-3.7	1.0	243.9	0.0	20.0	Horz	PK	0.0	58.0	74.0	-16.0	High ch., 36 Mbps, EUT horz, Ant 0
2485.935	41.7	-3.7	3.6	310.0	0.0	20.0	Horz	PK	0.0	58.0	74.0	-16.0	High ch., 54 Mbps, EUT horz, Ant 0
2483.910	41.7	-3.7	1.0	12.9	0.0	20.0	Horz	PK	0.0	58.0	74.0	-16.0	High ch., 6 Mbps, EUT horz, Ant 1
2484.385	41.6	-3.7	1.0	270.0	0.0	20.0	Vert	PK	0.0	57.9	74.0	-16.1	High ch., MCS0, EUT on side, Ant 0
2389.060	41.0	-3.1	1.0	0.0	0.0	20.0	Vert	PK	0.0	57.9	74.0	-16.1	Low ch., 6 Mbps, EUT on side, Ant 0
2484.745	41.6	-3.7	2.7	181.9	0.0	20.0	Horz	PK	0.0	57.9	74.0	-16.1	High ch., 6 Mbps, EUT vert, Ant 1
2484.610	41.5	-3.7	3.9	109.9	0.0	20.0	Vert	PK	0.0	57.8	74.0	-16.2	High ch., 6 Mbps, EUT vert, Ant 0
2485.860	41.5	-3.7	2.1	138.9	0.0	20.0	Horz	PK	0.0	57.8	74.0	-16.2	High ch., MCS0, EUT horz, Ant 0
4823.950	33.3	4.4	1.0	360.0	0.0	0.0	Horz	AV	0.0	37.7	54.0	-16.3	Low ch., 1 Mbps, EUT horz, Ant 0
2485.685	41.4	-3.7	1.0	292.0	0.0	20.0	Vert	PK	0.0	57.7	74.0	-16.3	High ch., 6 Mbps, EUT on side, Ant 0
2486.320	41.4	-3.7	1.0	138.0	0.0	20.0	Vert	PK	0.0	57.7	74.0	-16.3	High ch., 54 Mbps, EUT on side, Ant 0
2													

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Correction Factor (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
4823.910	32.4	4.4	1.7	207.9	0.0	0.0	Horz	AV	0.0	36.8	54.0	-17.2	Low ch., 11 Mbps, EUT horz, Ant 1
4824.005	32.1	4.4	1.0	110.9	0.0	0.0	Vert	AV	0.0	36.5	54.0	-17.5	Low ch., 1 Mbps, EUT horz, Ant 1
14472.150	27.9	7.8	1.6	265.9	0.0	0.0	Horz	AV	0.0	35.7	54.0	-18.3	Low ch., 1 Mbps, EUT vert, Ant 0
14471.160	27.9	7.8	2.4	271.0	0.0	0.0	Vert	AV	0.0	35.7	54.0	-18.3	Low ch., 1 Mbps, EUT vert, Ant 0
4822.680	30.7	4.4	1.0	199.9	0.0	0.0	Vert	AV	0.0	35.1	54.0	-18.9	Low ch., 6 Mbps, EUT vert, Ant 0
7387.470	42.7	12.0	1.0	174.0	0.0	0.0	Horz	PK	0.0	54.7	74.0	-19.3	High ch., 1 Mbps, EUT vert, Ant 0
7384.625	42.6	12.0	3.2	210.9	0.0	0.0	Vert	PK	0.0	54.6	74.0	-19.4	High ch., 1 Mbps, EUT vert, Ant 0
7311.910	42.2	11.8	2.3	304.9	0.0	0.0	Vert	PK	0.0	54.0	74.0	-20.0	Mid ch., 1 Mbps, EUT vert, Ant 0
7309.895	42.1	11.8	1.2	155.0	0.0	0.0	Horz	PK	0.0	53.9	74.0	-20.1	Mid ch., 1 Mbps, EUT vert, Ant 0
4823.520	28.9	4.4	1.0	196.9	0.5	0.0	Vert	AV	0.0	33.8	54.0	-20.2	Low ch., MCS7, EUT on side, Ant 1
4824.815	28.9	4.4	3.5	70.0	0.5	0.0	Horz	AV	0.0	33.8	54.0	-20.2	Low ch., MCS7, EUT horz, Ant 1
4824.320	28.8	4.4	1.0	286.9	0.5	0.0	Horz	AV	0.0	33.7	54.0	-20.3	Low ch., 54 Mbps, EUT horz, Ant 1
4824.850	28.8	4.4	1.0	290.9	0.5	0.0	Vert	AV	0.0	33.7	54.0	-20.3	Low ch., 54 Mbps, EUT on side, Ant 1
4825.390	28.9	4.4	1.0	328.0	0.3	0.0	Horz	AV	0.0	33.6	54.0	-20.4	Low ch., 36 Mbps, EUT horz, Ant 1
4825.210	28.9	4.4	1.0	29.0	0.3	0.0	Vert	AV	0.0	33.6	54.0	-20.4	Low ch., 36 Mbps, EUT on side, Ant 1
4822.875	28.7	4.4	2.9	351.0	0.5	0.0	Vert	AV	0.0	33.6	54.0	-20.4	Low ch., MCS7, EUT vert, Ant 0
4823.050	28.7	4.4	1.4	211.9	0.5	0.0	Vert	AV	0.0	33.6	54.0	-20.4	Low ch., 54 Mbps, EUT vert, Ant 0
4822.510	28.6	4.4	1.0	188.0	0.3	0.0	Vert	AV	0.0	33.3	54.0	-20.7	Low ch., 36 Mbps, EUT vert, Ant 0
4822.675	28.9	4.4	1.0	336.0	0.0	0.0	Vert	AV	0.0	33.3	54.0	-20.7	Low ch., 6 Mbps, EUT on side, Ant 1
4823.780	28.9	4.4	1.0	150.9	0.0	0.0	Vert	AV	0.0	33.3	54.0	-20.7	Low ch., MCS0, EUT on side, Ant 1
4824.325	28.9	4.4	1.8	55.0	0.0	0.0	Horz	AV	0.0	33.3	54.0	-20.7	Low ch., 6 Mbps, EUT horz, Ant 1
4823.720	28.8	4.4	1.0	297.0	0.0	0.0	Horz	AV	0.0	33.2	54.0	-20.8	Low ch., MCS0, EUT horz, Ant 1
4822.500	28.6	4.4	1.0	77.9	0.0	0.0	Vert	AV	0.0	33.0	54.0	-21.0	Low ch., MCS0, EUT vert, Ant 0
4823.975	44.8	4.4	2.1	204.9	0.0	0.0	Vert	PK	0.0	49.2	74.0	-24.8	Low ch., 1 Mbps, EUT vert, Ant 0
4873.895	44.5	4.5	2.3	203.0	0.0	0.0	Vert	PK	0.0	49.0	74.0	-25.0	Mid ch., 1 Mbps, EUT vert, Ant 0
4823.970	44.5	4.4	2.0	162.0	0.0	0.0	Vert	PK	0.0	48.9	74.0	-25.1	Low ch., 1 Mbps, EUT on side, Ant 0
4874.095	44.2	4.5	2.0	257.9	0.0	0.0	Horz	PK	0.0	48.7	74.0	-25.3	Mid ch., 1 Mbps, EUT vert, Ant 0
4823.670	44.1	4.4	1.0	231.0	0.0	0.0	Horz	PK	0.0	48.5	74.0	-25.5	Low ch., 1 Mbps, EUT vert, Ant 0
12310.850	29.4	-0.9	2.3	192.9	0.0	0.0	Horz	AV	0.0	28.5	54.0	-25.5	High ch., 1 Mbps, EUT vert, Ant 0
12309.820	29.4	-1.0	1.0	210.9	0.0	0.0	Vert	AV	0.0	28.4	54.0	-25.6	High ch., 1 Mbps, EUT vert, Ant 0
4923.995	43.6	4.7	1.3	177.0	0.0	0.0	Vert	PK	0.0	48.3	74.0	-25.7	High ch., 1 Mbps, EUT vert, Ant 0
4823.925	43.9	4.4	3.6	196.0	0.0	0.0	Vert	PK	0.0	48.3	74.0	-25.7	Low ch., 11 Mbps, EUT on side, Ant 1
12059.050	29.9	-1.8	1.0	30.0	0.0	0.0	Vert	AV	0.0	28.1	54.0	-25.9	Low ch., 1 Mbps, EUT vert, Ant 0
12186.360	29.9	-1.8	1.0	207.0	0.0	0.0	Vert	AV	0.0	28.1	54.0	-25.9	Mid ch., 1 Mbps, EUT vert, Ant 0
12183.630	29.8	-1.8	1.0	37.9	0.0	0.0	Horz	AV	0.0	28.0	54.0	-26.0	Mid ch., 1 Mbps, EUT vert, Ant 0
12058.530	29.7	-1.8	1.0	195.0	0.0	0.0	Horz	AV	0.0	27.9	54.0	-26.1	Low ch., 1 Mbps, EUT vert, Ant 0
4923.650	43.2	4.7	1.0	167.9	0.0	0.0	Horz	PK	0.0	47.9	74.0	-26.1	High ch., 1 Mbps, EUT vert, Ant 0
4824.535	43.4	4.4	1.0	114.9	0.0	0.0	Horz	PK	0.0	47.8	74.0	-26.2	Low ch., 1 Mbps, EUT on side, Ant 0
4823.835	43.4	4.4	1.7	120.0	0.0	0.0	Vert	PK	0.0	47.8	74.0	-26.2	Low ch., 1 Mbps, EUT horz, Ant 0
14470.920	40.0	7.8	1.6	265.9	0.0	0.0	Horz	PK	0.0	47.8	74.0	-26.2	Low ch., 1 Mbps, EUT vert, Ant 0
4824.000	43.3	4.4	3.1	202.0	0.0	0.0	Vert	PK	0.0	47.7	74.0	-26.3	Low ch., 1 Mbps, EUT on side, Ant 1
4824.000	43.2	4.4	2.0	206.0	0.0	0.0	Vert	PK	0.0	47.6	74.0	-26.4	Low ch., 11 Mbps, EUT vert, Ant 0
4823.990	43.0	4.4	1.7	207.9	0.0	0.0	Horz	PK	0.0	47.4	74.0	-26.6	Low ch., 11 Mbps, EUT horz, Ant 1
14473.060	39.5	7.8	2.4	271.0	0.0	0.0	Vert	PK	0.0	47.3	74.0	-26.7	Low ch., 1 Mbps, EUT vert, Ant 0
4822.650	42.9	4.4	1.0	199.9	0.0	0.0	Vert	PK	0.0	47.3	74.0	-26.7	Low ch., 6 Mbps, EUT vert, Ant 0
4824.020	42.9	4.4	1.0	12.0	0.0	0.0	Horz	PK	0.0	47.3	74.0	-26.7	Low ch., 1 Mbps, EUT vert, Ant 1
4823.875	42.8	4.4	1.0	360.0	0.0	0.0	Horz	PK	0.0	47.2	74.0	-26.8	Low ch., 1 Mbps, EUT horz, Ant 0
4823.925	42.7	4.4	1.3	353.0	0.0	0.0	Horz	PK	0.0	47.1	74.0	-26.9	Low ch., 1 Mbps, EUT on side, Ant 1
4824.210	42.6	4.4	3.5	311.9	0.0	0.0	Vert	PK	0.0	47.0	74.0	-27.0	Low ch., 1 Mbps, EUT vert, Ant 1
4823.870	42.2	4.4	1.0	225.0	0.0	0.0	Horz	PK	0.0	46.6	74.0	-27.4	Low ch., 1 Mbps, EUT horz, Ant 1
4824.315	42.2	4.4	1.8	55.0	0.0	0.0	Horz	PK	0.0	46.6	74.0	-27.4	Low ch., 6 Mbps, EUT horz, Ant 1
4822.725	42.1	4.4	1.0	188.0	0.0	0.0	Vert	PK	0.0	46.5	74.0	-27.5	Low ch., 36 Mbps, EUT vert, Ant 0
4824.345	41.8	4.4	1.0	110.9	0.0	0.0	Vert	PK	0.0	46.2	74.0	-27.8	Low ch., 1 Mbps, EUT horz, Ant 1
4822.925	41.2	4.4	1.0	328.0	0.0	0.0	Horz	PK	0.0	45.6	74.0	-28.4	Low ch., 36 Mbps, EUT horz, Ant 1
4824.245	41.1	4.4	1.0	196.9	0.0	0.0	Vert	PK	0.0	45.5	74.0	-28.5	Low ch., MCS7, EUT on side, Ant 1
4822.985	40.9	4.4	1.0	336.0	0.0	0.0	Vert	PK	0.0	45.3	74.0	-28.7	Low ch., 6 Mbps, EUT on side, Ant 1
4822.935	40.9	4.4	1.0	297.0	0.0	0.0	Horz	PK	0.0	45.3	74.0	-28.7	Low ch., MCS0, EUT horz, Ant 1
4822.715	40.8	4.4	1.0	286.9	0.0	0.0	Horz	PK	0.0	45.2	74.0	-28.8	Low ch., 54 Mbps, EUT horz, Ant 1
4824.590	40.7	4.4	2.9	351.0	0.0	0.0	Vert	PK	0.0	45.1	74.0	-28.9	Low ch., MCS7, EUT vert, Ant 0
4823.370	40.6	4.4	1.0	77.9	0.0	0.0	Vert	PK	0.0	45.0	74.0	-29.0	Low ch., MCS0, EUT vert, Ant 0
4824.740	40.6	4.4	1.0	29.0	0.0	0.0	Vert	PK	0.0	45.0	74.0	-29.0	Low ch., 36 Mbps, EUT on side, Ant 1
4824.520	40.6	4.4	3.5	70.0	0.0	0.0	Horz	PK	0.0	45.0	74.0	-29.0	Low ch., MCS7, EUT horz, Ant 1
4825.310	40.5	4.4	1.0	150.9	0.0	0.0	Vert	PK	0.0	44.9	74.0	-29.1	Low ch., MCS0, EUT on side, Ant 1
4823.760	40.3	4.4	1.0	290.9	0.0	0.0	Vert	PK	0.0	44.7	74.0	-29.3	Low ch., 54 Mbps, EUT on side, Ant 1
4824.845	39.9	4.4	1.4	211.9	0.0	0.0	Vert	PK	0.0	44.3	74.0	-29.7	Low ch., 54 Mbps, EUT vert, Ant 0
12309.050	41.2	-1.0	1.0	210.9	0.0	0.0	Vert	PK	0.0	40.2	74.0	-33.8	High ch., 1 Mbps, EUT vert, Ant 0
12185.650	41.5	-1.8	1.0	207.0	0.0	0.0	Vert	PK	0.0	39.7	74.0	-34.3	Mid ch., 1 Mbps, EUT vert, Ant 0
12308.550	40.6	-1.0	2.3	192.9	0.0	0.0	Horz	PK	0.0	39.6	74.0	-34.4	High ch., 1 Mbps, EUT vert, Ant 0
12060.450	41.2	-1.8	1.0	30.0	0.0	0.0	Vert	PK	0.0	39.4	74.0	-34.6	Low ch., 1 Mbps, EUT vert, Ant 0
12060.990	40.9	-1.8	1.0	195.0	0.0	0.0	Horz	PK	0.0	39.1	74.0	-34.9	Low ch., 1 Mbps, EUT vert, Ant 0
12185.220	40.9	-1.8	1.0	37.9	0.0	0.0	Horz	PK	0.0	39.1	74.0	-34.9	Mid ch., 1 Mbps, EUT vert, Ant 0