

# SPURIOUS RADIATED EMISSIONS

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

Transmitting 802.11(g), 6Mbps  
 Transmitting 802.11(g), 36Mbps  
 Transmitting 802.11(g), 54Mbps  
 Transmitting 802.11(n), MCS0  
 Transmitting 802.11(n), MCS7

## CHANNELS TESTED

Low Channel 1, 2412 MHz  
 Mid Channel 6, 2437 MHz  
 High Channel 11, 2462 MHz

## POWER SETTINGS INVESTIGATED

USB

## CONFIGURATIONS INVESTIGATED

MCSO1761 - 4

## FREQUENCY RANGE INVESTIGATED

Start Frequency | 30 MHz | Stop Frequency | 26.5 GHz

## 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
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAT	6/15/2016	12 mo
Filter - Low Pass	Micro-Tronics	LPM50004	LFF	1/21/2016	12 mo
Filter - High Pass	Micro-Tronics	HPM50111	HHI	10/27/2016	12 mo
Attenuator	Fairview Microwave	SA18E-20	AQV	9/20/2016	12 mo
Antenna - Biconilog	Teseq	CBL 6141B	AYL	7/30/2015	24 mo
Antenna - Double Ridge	EMCO	3115	AHM	6/10/2016	24 mo
Antenna - Standard Gain	EMCO	3160-07	AHP	NCR	0 mo
Antenna - Standard Gain	EMCO	3160-08	AHO	NCR	0 mo
Antenna - Standard Gain	ETS Lindgren	3160-09	AIY	NCR	0 mo
Amplifier - Pre-Amplifier	Miteq	AM-1616-1000	PAB	7/15/2016	12 mo
Amplifier - Pre-Amplifier	Miteq	AMF-3D-00100800-32-13P	AVZ	6/6/2016	12 mo
Amplifier - Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AOK	9/20/2016	12 mo
Amplifier - Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AOJ	9/20/2016	12 mo
Amplifier - Pre-Amplifier	Miteq	AMF-6F-18002650-25-10P	AOD	5/10/2016	12 mo
Cable	Northwest EMC	Bilog Cables	NC1	8/3/2016	12 mo
Cable	Northwest EMC	3115 Horn Cable	NC2	5/23/2016	12 mo
Cable	Northwest EMC	Standard Gain Horn Cable	NC3	5/23/2016	12 mo
Cable	Northwest EMC	N/A	NC8	5/10/2016	12 mo

## MEASUREMENT BANDWIDTHS

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

## 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. 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 ANSI C63.10). 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.

# SPURIOUS RADIATED EMISSIONS

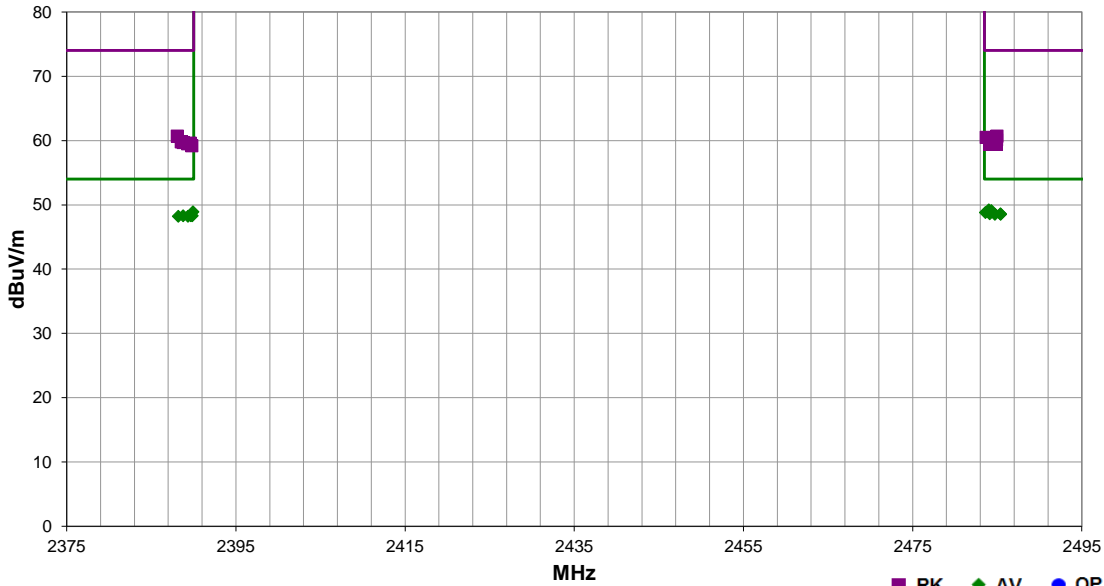


PSA-ESCI 2016.07.22  
EmiR5 2016.08.26

<b>Work Order:</b>	MCSO1761	<b>Date:</b>	11/18/16	<i>Best</i>
<b>Project:</b>	None	<b>Temperature:</b>	22 °C	
<b>Job Site:</b>	NC01	<b>Humidity:</b>	36% RH	
<b>Serial Number:</b>	DV-1-0336	<b>Barometric Pres.:</b>	1018 mbar	
<b>EUT:</b>	1790	<b>Tested by:</b> Richard Mellroth		
<b>Configuration:</b>	4			
<b>Customer:</b>	Microsoft Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	USB			
<b>Operating Mode:</b>	Transmitting 802.11(g/n). Power Settings at Default. See comments next to data points for EUT channel, data rate, and orientation.			
<b>Deviations:</b>	None			
<b>Comments:</b>	None			

<b>Test Specifications</b>	<b>Test Method</b>
FCC 15.247:2016	ANSI C63.10:2013

<b>Run #</b>	15	<b>Test Distance (m)</b>	3	<b>Antenna Height(s)</b>	1 to 4(m)	<b>Results</b>	Pass
--------------	----	--------------------------	---	--------------------------	-----------	----------------	------



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2484.023	30.4	-1.2	1.6	81.0	3.0	20.0	Horz	AV	0.0	49.2	54.0	-4.8	High Ch 11, MCS7, EUT on Side
2483.990	30.3	-1.2	1.6	47.0	3.0	20.0	Horz	AV	0.0	49.1	54.0	-4.9	High Ch 11, 6Mbps, EUT on Side
2484.317	30.3	-1.2	1.1	147.0	3.0	20.0	Horz	AV	0.0	49.1	54.0	-4.9	High Ch 11, 54Mbps, EUT on Side
2483.913	30.2	-1.2	1.5	94.0	3.0	20.0	Horz	AV	0.0	49.0	54.0	-5.0	High Ch 11, 6Mbps, EUT Flat
2484.343	30.1	-1.2	1.6	77.0	3.0	20.0	Horz	AV	0.0	48.9	54.0	-5.1	High Ch 11, MCS0, EUT on Side
2389.943	30.2	-1.3	3.9	179.0	3.0	20.0	Vert	AV	0.0	48.9	54.0	-5.1	Low Ch 1, MCS0, EUT Vert
2483.610	30.0	-1.2	1.6	359.0	3.0	20.0	Vert	AV	0.0	48.8	54.0	-5.2	High Ch 11, 6Mbps, EUT Vert
2484.113	29.8	-1.2	2.9	357.0	3.0	20.0	Vert	AV	0.0	48.6	54.0	-5.4	High Ch 11, 6Mbps, EUT on Side
2485.387	29.8	-1.2	1.6	193.0	3.0	20.0	Horz	AV	0.0	48.6	54.0	-5.4	High Ch 11, 6Mbps, EUT Vert
2484.730	29.7	-1.2	3.0	55.0	3.0	20.0	Vert	AV	0.0	48.5	54.0	-5.5	High Ch 11, 6Mbps, EUT Flat
2485.413	29.7	-1.2	3.0	180.0	3.0	20.0	Horz	AV	0.0	48.5	54.0	-5.5	High Ch 11, 36Mbps, EUT on Side
2389.680	29.6	-1.3	1.6	29.0	3.0	20.0	Vert	AV	0.0	48.3	54.0	-5.7	Low Ch 1, 6Mbps, EUT Vert
2388.777	29.6	-1.3	1.6	295.0	3.0	20.0	Vert	AV	0.0	48.3	54.0	-5.7	Low Ch 1, 54Mbps, EUT Vert
2389.860	29.6	-1.3	2.7	5.0	3.0	20.0	Vert	AV	0.0	48.3	54.0	-5.7	Low Ch 1, MCS7, EUT Vert
2388.203	29.5	-1.3	2.3	251.0	3.0	20.0	Horz	AV	0.0	48.2	54.0	-5.8	Low Ch 1, 6Mbps, EUT on Side
2389.343	29.5	-1.3	1.5	329.0	3.0	20.0	Vert	AV	0.0	48.2	54.0	-5.8	Low Ch 1, 36Mbps, EUT Vert
2484.967	41.9	-1.2	1.6	81.0	3.0	20.0	Horz	PK	0.0	60.7	74.0	-13.3	High Ch 11, MCS7, EUT on Side
2388.067	42.0	-1.3	3.9	179.0	3.0	20.0	Vert	PK	0.0	60.7	74.0	-13.3	Low Ch 1, MCS0, EUT Vert
2483.700	41.7	-1.2	1.6	47.0	3.0	20.0	Horz	PK	0.0	60.5	74.0	-13.5	High Ch 11, 6Mbps, EUT on Side
2484.237	41.4	-1.2	1.1	147.0	3.0	20.0	Horz	PK	0.0	60.2	74.0	-13.8	High Ch 11, 54Mbps, EUT on Side
2484.273	41.3	-1.2	2.9	357.0	3.0	20.0	Vert	PK	0.0	60.1	74.0	-13.9	High Ch 11, 6Mbps, EUT on Side
2484.920	41.3	-1.2	1.6	359.0	3.0	20.0	Vert	PK	0.0	60.1	74.0	-13.9	High Ch 11, 6Mbps, EUT Vert
2484.293	41.2	-1.2	1.5	94.0	3.0	20.0	Horz	PK	0.0	60.0	74.0	-14.0	High Ch 11, 6Mbps, EUT Flat
2484.130	41.1	-1.2	1.6	77.0	3.0	20.0	Horz	PK	0.0	59.9	74.0	-14.1	High Ch 11, MCS0, EUT on Side
2388.537	41.1	-1.3	1.6	29.0	3.0	20.0	Vert	PK	0.0	59.8	74.0	-14.2	Low Ch 1, 6Mbps, EUT Vert

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2484.773	40.9	-1.2	3.0	55.0	3.0	20.0	Vert	PK	0.0	59.7	74.0	-14.3	High Ch 11, 6Mbps, EUT Flat
2388.767	41.0	-1.3	2.3	251.0	3.0	20.0	Horz	PK	0.0	59.7	74.0	-14.3	Low Ch 1, 6Mbps, EUT on Side
2389.580	40.9	-1.3	1.6	295.0	3.0	20.0	Vert	PK	0.0	59.6	74.0	-14.4	Low Ch 1, 54Mbps, EUT Vert
2389.303	40.8	-1.3	2.7	5.0	3.0	20.0	Vert	PK	0.0	59.5	74.0	-14.5	Low Ch 1, MCS7, EUT Vert
2484.103	40.6	-1.2	1.6	193.0	3.0	20.0	Horz	PK	0.0	59.4	74.0	-14.6	High Ch 11, 6Mbps, EUT Vert
2484.883	40.6	-1.2	3.0	180.0	3.0	20.0	Horz	PK	0.0	59.4	74.0	-14.6	High Ch 11, 36Mbps, EUT on Side
2389.780	40.5	-1.3	1.5	329.0	3.0	20.0	Vert	PK	0.0	59.2	74.0	-14.8	Low Ch 1, 36Mbps, EUT Vert

# SPURIOUS RADIATED EMISSIONS

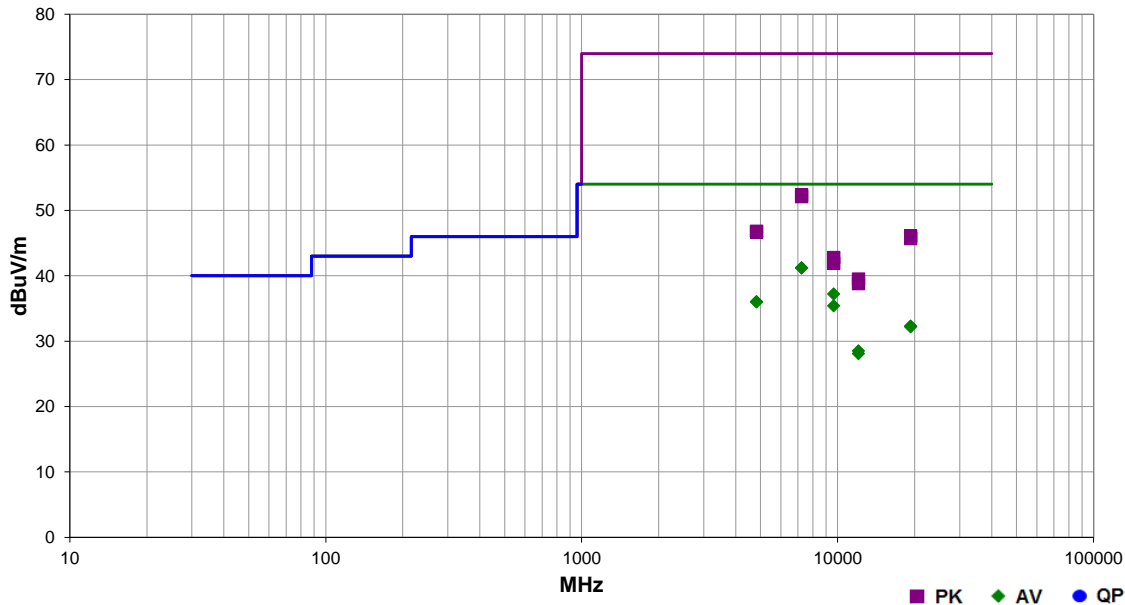


PSA-ESCI 2016.07.22  
EmiR5 2016.08.26

<b>Work Order:</b>	MCSO1761	<b>Date:</b>	11/22/16	<i>Richard Mellroth</i>
<b>Project:</b>	None	<b>Temperature:</b>	22 °C	
<b>Job Site:</b>	NC01	<b>Humidity:</b>	36% RH	
<b>Serial Number:</b>	DV-1-0336	<b>Barometric Pres.:</b>	1018 mbar	
<b>EUT:</b>	1790			
<b>Configuration:</b>	4			
<b>Customer:</b>	Microsoft Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	USB			
<b>Operating Mode:</b>	Transmitting 802.11(g/n). Power Settings at Default. See comments next to data points for EUT channel, data rate, and orientation.			
<b>Deviations:</b>	None			
<b>Comments:</b>	None			

<b>Test Specifications</b>	<b>Test Method</b>
FCC 15.247:2016	ANSI C63.10:2013

<b>Run #</b>	16-18,112	<b>Test Distance (m)</b>	3	<b>Antenna Height(s)</b>	1 to 4(m)	<b>Results</b>	Pass
--------------	-----------	--------------------------	---	--------------------------	-----------	----------------	------



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
7236.200	28.5	12.7	3.4	135.0	3.0	0.0	Vert	AV	0.0	41.2	54.0	-12.8	Low Ch 1, 6Mbps, EUT Flat
7237.395	28.5	12.7	1.6	195.0	3.0	0.0	Horz	AV	0.0	41.2	54.0	-12.8	Low Ch 1, 6Mbps, EUT on Side
9648.045	40.2	-3.0	1.0	314.0	3.0	0.0	Horz	AV	0.0	37.2	54.0	-16.8	Low Ch 1, 6Mbps, EUT on Side
4825.055	27.2	8.8	1.6	141.0	3.0	0.0	Vert	AV	0.0	36.0	54.0	-18.0	Low Ch 1, 6Mbps, EUT Flat
4824.770	27.2	8.8	2.1	144.0	3.0	0.0	Horz	AV	0.0	36.0	54.0	-18.0	Low Ch 1, 6Mbps, EUT on Side
9648.085	38.4	-3.0	2.3	336.0	3.0	0.0	Vert	AV	0.0	35.4	54.0	-18.6	Low Ch 1, 6Mbps, EUT Flat
7234.200	39.7	12.7	3.4	135.0	3.0	0.0	Vert	PK	0.0	52.4	74.0	-21.6	Low Ch 1, 6Mbps, EUT Flat
19296.110	31.7	0.6	1.5	323.0	3.0	0.0	Horz	AV	0.0	32.3	54.0	-21.7	Low Ch 1, 6Mbps, EUT Flat
19296.180	31.6	0.6	1.5	230.0	3.0	0.0	Vert	AV	0.0	32.2	54.0	-21.8	Low Ch 1, 6Mbps, EUT Flat
7237.340	39.4	12.7	1.6	195.0	3.0	0.0	Horz	PK	0.0	52.1	74.0	-21.9	Low Ch 1, 6Mbps, EUT on Side
12061.280	31.2	-2.7	1.6	266.0	3.0	0.0	Horz	AV	0.0	28.5	54.0	-25.5	Low Ch 1, 6Mbps, EUT on Side
12061.380	30.8	-2.7	1.6	276.0	3.0	0.0	Vert	AV	0.0	28.1	54.0	-25.9	Low Ch 1, 6Mbps, EUT Flat
4825.410	38.0	8.8	1.6	141.0	3.0	0.0	Vert	PK	0.0	46.8	74.0	-27.2	Low Ch 1, 6Mbps, EUT Flat
4825.445	37.9	8.8	2.1	144.0	3.0	0.0	Horz	PK	0.0	46.7	74.0	-27.3	Low Ch 1, 6Mbps, EUT on Side
19297.450	45.5	0.6	1.5	323.0	3.0	0.0	Horz	PK	0.0	46.1	74.0	-27.9	Low Ch 1, 6Mbps, EUT Flat
19294.800	45.1	0.6	1.5	230.0	3.0	0.0	Vert	PK	0.0	45.7	74.0	-28.3	Low Ch 1, 6Mbps, EUT Flat
9648.015	45.8	-3.0	1.0	314.0	3.0	0.0	Horz	PK	0.0	42.8	74.0	-31.2	Low Ch 1, 6Mbps, EUT on Side
9648.010	44.9	-3.0	2.3	336.0	3.0	0.0	Vert	PK	0.0	41.9	74.0	-32.1	Low Ch 1, 6Mbps, EUT Flat
12060.940	42.2	-2.7	1.6	266.0	3.0	0.0	Horz	PK	0.0	39.5	74.0	-34.5	Low Ch 1, 6Mbps, EUT on Side
12061.070	41.5	-2.7	1.6	276.0	3.0	0.0	Vert	PK	0.0	38.8	74.0	-35.2	Low Ch 1, 6Mbps, EUT Flat

# SPURIOUS RADIATED EMISSIONS

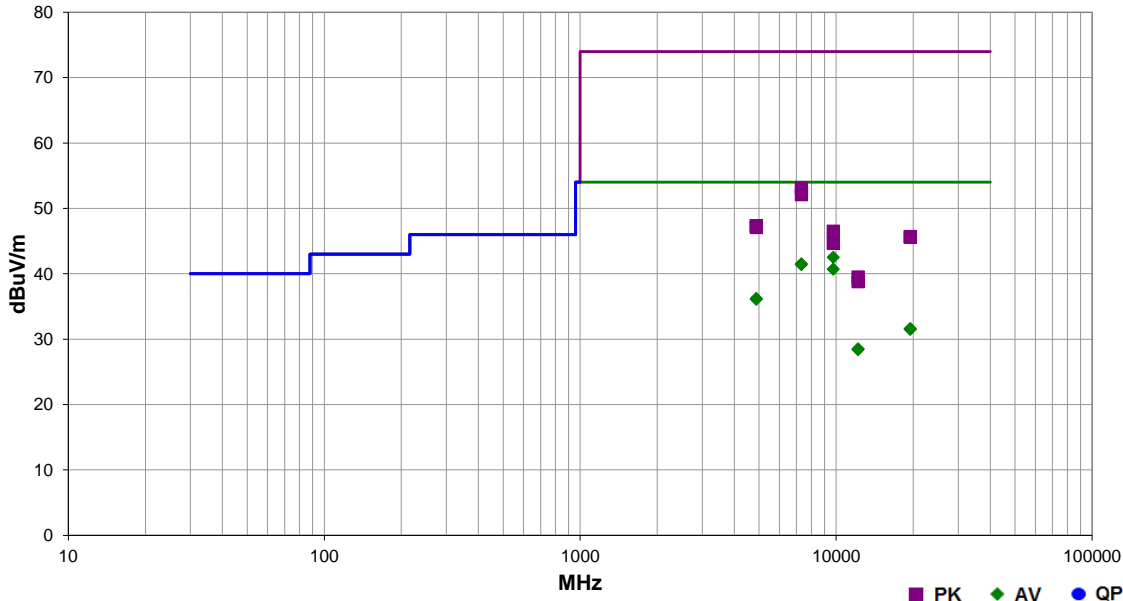


PSA-ESCI 2016.07.22  
EmiR5 2016.08.26

<b>Work Order:</b>	MCSO1761	<b>Date:</b>	11/22/16	<i>rust</i>
<b>Project:</b>	None	<b>Temperature:</b>	22 °C	
<b>Job Site:</b>	NC01	<b>Humidity:</b>	36% RH	
<b>Serial Number:</b>	DV-1-0336	<b>Barometric Pres.:</b>	1018 mbar	
<b>EUT:</b>	1790			
<b>Configuration:</b>	4			
<b>Customer:</b>	Microsoft Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	USB			
<b>Operating Mode:</b>	Transmitting 802.11(g/n). Power Settings at Default. See comments next to data points for EUT channel, data rate, and orientation.			
<b>Deviations:</b>	None			
<b>Comments:</b>	None			

<b>Test Specifications</b>	<b>Test Method</b>
FCC 15.247:2016	ANSI C63.10:2013

<b>Run #</b>	16-18,112	<b>Test Distance (m)</b>	3	<b>Antenna Height(s)</b>	1 to 4(m)	<b>Results</b>	Pass
--------------	-----------	--------------------------	---	--------------------------	-----------	----------------	------



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
9748.005	44.9	-2.4	2.2	360.0	3.0	0.0	Vert	AV	0.0	42.5	54.0	-11.5	Mid Ch 6, 6Mbps, EUT Flat
7311.455	28.2	13.3	1.6	64.0	3.0	0.0	Horz	AV	0.0	41.5	54.0	-12.5	Mid Ch 6, 6Mbps, EUT on Side
7309.945	28.1	13.3	1.6	85.0	3.0	0.0	Vert	AV	0.0	41.4	54.0	-12.6	Mid Ch 6, 6Mbps, EUT Flat
9747.995	43.1	-2.4	1.6	339.0	3.0	0.0	Horz	AV	0.0	40.7	54.0	-13.3	Mid Ch 6, 6Mbps, EUT on Side
4874.970	27.2	9.0	1.6	138.0	3.0	0.0	Horz	AV	0.0	36.2	54.0	-17.8	Mid Ch 6, 6Mbps, EUT on Side
4874.905	27.1	9.0	1.6	105.0	3.0	0.0	Vert	AV	0.0	36.1	54.0	-17.9	Mid Ch 6, 6Mbps, EUT Flat
7310.855	39.8	13.3	1.6	64.0	3.0	0.0	Horz	PK	0.0	53.1	74.0	-20.9	Mid Ch 6, 6Mbps, EUT on Side
7310.075	38.8	13.3	1.6	85.0	3.0	0.0	Vert	PK	0.0	52.1	74.0	-21.9	Mid Ch 6, 6Mbps, EUT Flat
19495.190	30.7	0.9	1.5	86.0	3.0	0.0	Horz	AV	0.0	31.6	54.0	-22.4	Mid Ch 6, 6Mbps, EUT Flat
19497.120	30.5	1.0	1.5	131.0	3.0	0.0	Vert	AV	0.0	31.5	54.0	-22.5	Mid Ch 6, 6Mbps, EUT Flat
12186.390	31.0	-2.5	1.6	184.0	3.0	0.0	Vert	AV	0.0	28.5	54.0	-25.5	Mid Ch 6, 6Mbps, EUT Flat
12186.110	30.9	-2.5	1.6	221.0	3.0	0.0	Horz	AV	0.0	28.4	54.0	-25.6	Mid Ch 6, 6Mbps, EUT on Side
4872.650	38.5	8.8	1.6	138.0	3.0	0.0	Horz	PK	0.0	47.3	74.0	-26.7	Mid Ch 6, 6Mbps, EUT on Side
4874.050	38.1	9.0	1.6	105.0	3.0	0.0	Vert	PK	0.0	47.1	74.0	-26.9	Mid Ch 6, 6Mbps, EUT Flat
9747.920	48.9	-2.4	2.2	360.0	3.0	0.0	Vert	PK	0.0	46.5	74.0	-27.5	Mid Ch 6, 6Mbps, EUT Flat
19495.720	44.8	0.9	1.5	86.0	3.0	0.0	Horz	PK	0.0	45.7	74.0	-28.3	Mid Ch 6, 6Mbps, EUT Flat
19495.520	44.7	0.9	1.5	131.0	3.0	0.0	Vert	PK	0.0	45.6	74.0	-28.4	Mid Ch 6, 6Mbps, EUT Flat
9748.235	47.1	-2.4	1.6	339.0	3.0	0.0	Horz	PK	0.0	44.7	74.0	-29.3	Mid Ch 6, 6Mbps, EUT on Side
12183.770	42.0	-2.5	1.6	184.0	3.0	0.0	Vert	PK	0.0	39.5	74.0	-34.5	Mid Ch 6, 6Mbps, EUT Flat
12185.550	41.3	-2.5	1.6	221.0	3.0	0.0	Horz	PK	0.0	38.8	74.0	-35.2	Mid Ch 6, 6Mbps, EUT on Side

# SPURIOUS RADIATED EMISSIONS

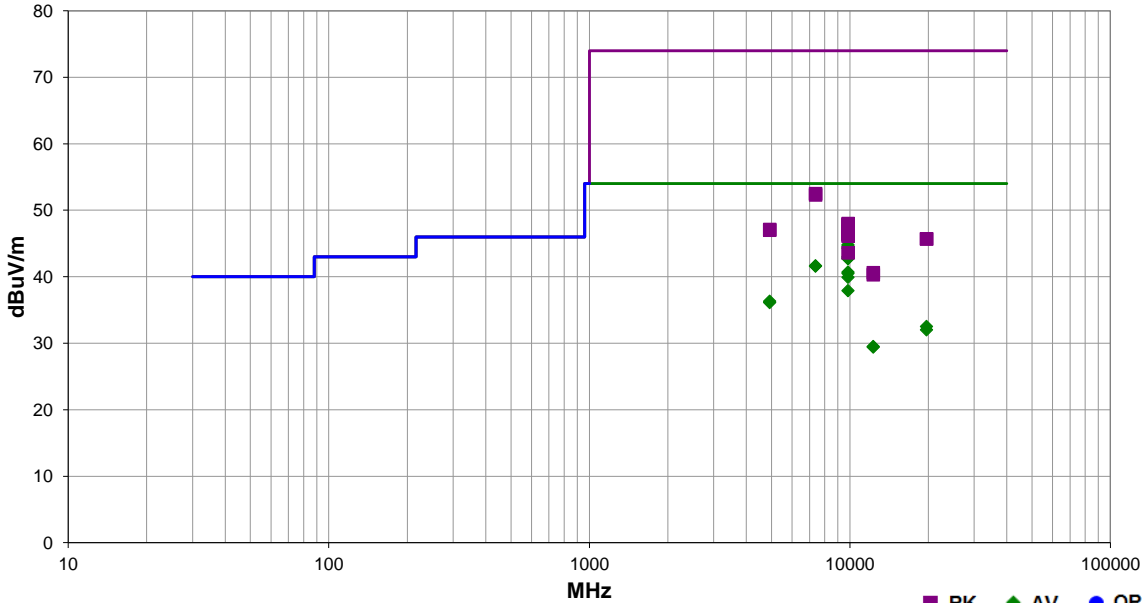


PSA-ESCI 2016.07.22  
EmiR5 2016.08.26

<b>Work Order:</b>	MCSO1761	<b>Date:</b>	11/22/16	<i>rustl</i>
<b>Project:</b>	None	<b>Temperature:</b>	22 °C	
<b>Job Site:</b>	NC01	<b>Humidity:</b>	36% RH	
<b>Serial Number:</b>	DV-1-0336	<b>Barometric Pres.:</b>	1018 mbar	
<b>EUT:</b>	1790			
<b>Configuration:</b>	4			
<b>Customer:</b>	Microsoft Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	USB			
<b>Operating Mode:</b>	Transmitting 802.11(g/n). Power Settings at Default. See comments next to data points for EUT channel, data rate, and orientation.			
<b>Deviations:</b>	None			
<b>Comments:</b>	None			

<b>Test Specifications</b>	<b>Test Method</b>
FCC 15.247:2016	ANSI C63.10:2013

<b>Run #</b>	16-18,112	<b>Test Distance (m)</b>	3	<b>Antenna Height(s)</b>	1 to 4(m)	<b>Results</b>	Pass
--------------	-----------	--------------------------	---	--------------------------	-----------	----------------	------



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
9848.095	47.2	-2.4	2.2	0.0	3.0	0.0	Vert	AV	0.0	44.8	54.0	-9.2	High Ch 11, 6Mbps, EUT Flat
9848.065	47.0	-2.4	2.3	296.0	3.0	0.0	Horz	AV	0.0	44.6	54.0	-9.4	High Ch 11, 6Mbps, EUT on Side
9848.065	46.7	-2.4	2.1	304.0	3.0	0.0	Horz	AV	0.0	44.3	54.0	-9.7	High Ch 11, 6Mbps, EUT Flat
9848.060	45.4	-2.4	1.4	239.0	3.0	0.0	Vert	AV	0.0	43.0	54.0	-11.0	High Ch 11, 6Mbps, EUT on Side
9847.995	45.2	-2.4	3.0	198.0	3.0	0.0	Vert	AV	0.0	42.8	54.0	-11.2	High Ch 11, 6Mbps, EUT Vert
9848.065	45.1	-2.4	2.2	0.0	3.0	0.0	Vert	AV	0.0	42.7	54.0	-11.3	High Ch 11, MCS0, EUT Flat
7385.635	28.0	13.6	2.3	47.0	3.0	0.0	Vert	AV	0.0	41.6	54.0	-12.4	High Ch 11, 6Mbps, EUT Flat
7384.635	28.0	13.6	1.6	316.0	3.0	0.0	Horz	AV	0.0	41.6	54.0	-12.4	High Ch 11, 6Mbps, EUT on Side
9847.970	43.1	-2.4	2.1	0.0	3.0	0.0	Vert	AV	0.0	40.7	54.0	-13.3	High Ch 11, 36Mbps, EUT Flat
9847.990	42.9	-2.4	2.2	0.0	3.0	0.0	Vert	AV	0.0	40.5	54.0	-13.5	High Ch 11, 6Mbps, EUT Flat
9847.955	42.3	-2.4	2.3	356.0	3.0	0.0	Vert	AV	0.0	39.9	54.0	-14.1	High Ch 11, MCS7, EUT Flat
9847.955	40.3	-2.4	1.6	163.0	3.0	0.0	Horz	AV	0.0	37.9	54.0	-16.1	High Ch 11, 6Mbps, EUT Vert
4924.640	27.2	9.1	1.6	130.0	3.0	0.0	Vert	AV	0.0	36.3	54.0	-17.7	High Ch 11, 6Mbps, EUT Flat
4923.215	27.0	9.1	3.0	352.0	3.0	0.0	Horz	AV	0.0	36.1	54.0	-17.9	High Ch 11, 6Mbps, EUT on Side
7386.650	38.9	13.6	2.3	47.0	3.0	0.0	Vert	PK	0.0	52.5	74.0	-21.5	High Ch 11, 6Mbps, EUT Flat
19696.080	31.8	0.7	1.5	11.0	3.0	0.0	Horz	AV	0.0	32.5	54.0	-21.5	High Ch 11, 6Mbps, EUT Flat
7385.285	38.7	13.6	1.6	316.0	3.0	0.0	Horz	PK	0.0	52.3	74.0	-21.7	High Ch 11, 6Mbps, EUT on Side
19696.160	31.3	0.7	1.5	250.0	3.0	0.0	Vert	AV	0.0	32.0	54.0	-22.0	High Ch 11, 6Mbps, EUT Flat
12310.780	32.1	-2.6	1.6	355.0	3.0	0.0	Horz	AV	0.0	29.5	54.0	-24.5	High Ch 11, 6Mbps, EUT on Side
12310.550	32.0	-2.6	1.6	206.0	3.0	0.0	Vert	AV	0.0	29.4	54.0	-24.6	High Ch 11, 6Mbps, EUT Flat
9847.880	50.4	-2.4	2.3	296.0	3.0	0.0	Horz	PK	0.0	48.0	74.0	-26.0	High Ch 11, 6Mbps, EUT on Side
9848.090	50.2	-2.4	2.1	304.0	3.0	0.0	Horz	PK	0.0	47.8	74.0	-26.2	High Ch 11, 6Mbps, EUT Flat

9848.030	50.2	-2.4	2.2	0.0	3.0	0.0	Vert	PK	0.0	47.8	74.0	-26.2	High Ch 11, 6Mbps, EUT Flat
4924.495	38.0	9.1	3.0	352.0	3.0	0.0	Horz	PK	0.0	47.1	74.0	-26.9	High Ch 11, 6Mbps, EUT on Side
4924.855	37.9	9.1	1.6	130.0	3.0	0.0	Vert	PK	0.0	47.0	74.0	-27.0	High Ch 11, 6Mbps, EUT Flat
9848.155	49.2	-2.4	1.4	239.0	3.0	0.0	Vert	PK	0.0	46.8	74.0	-27.2	High Ch 11, 6Mbps, EUT on Side
9847.915	49.1	-2.4	2.1	0.0	3.0	0.0	Vert	PK	0.0	46.7	74.0	-27.3	High Ch 11, 36Mbps, EUT Flat
9847.895	48.9	-2.4	2.2	0.0	3.0	0.0	Vert	PK	0.0	46.5	74.0	-27.5	High Ch 11, 54Mbps, EUT Flat
9848.035	48.8	-2.4	2.2	0.0	3.0	0.0	Vert	PK	0.0	46.4	74.0	-27.6	High Ch 11, MCS0, EUT Flat
9847.975	48.7	-2.4	3.0	198.0	3.0	0.0	Vert	PK	0.0	46.3	74.0	-27.7	High Ch 11, 6Mbps, EUT Vert
9847.970	48.5	-2.4	2.3	356.0	3.0	0.0	Vert	PK	0.0	46.1	74.0	-27.9	High Ch 11, MCS7, EUT Flat
19696.040	45.0	0.7	1.5	11.0	3.0	0.0	Horz	PK	0.0	45.7	74.0	-28.3	High Ch 11, 6Mbps, EUT Flat
19697.290	45.0	0.7	1.5	250.0	3.0	0.0	Vert	PK	0.0	45.7	74.0	-28.3	High Ch 11, 6Mbps, EUT Flat
9847.740	46.0	-2.4	1.6	163.0	3.0	0.0	Horz	PK	0.0	43.6	74.0	-30.4	High Ch 11, 6Mbps, EUT Vert
12309.350	43.2	-2.6	1.6	206.0	3.0	0.0	Vert	PK	0.0	40.6	74.0	-33.4	High Ch 11, 6Mbps, EUT Flat
12311.360	42.9	-2.6	1.6	355.0	3.0	0.0	Horz	PK	0.0	40.3	74.0	-33.7	High Ch 11, 6Mbps, EUT on Side