

# ABSOLUTE GAIN

**NORTHWEST  
EMC**

PSA-ESCI 2016.07.22

EmiR5 2016.07.22.1

<b>Work Order:</b>	MASI0341	<b>Date:</b>	09/16/16	
<b>Project:</b>	None	<b>Temperature:</b>	20.4 °C	
<b>Job Site:</b>	OC10	<b>Humidity:</b>	45.7% RH	
<b>Serial Number:</b>	None	<b>Barometric Pres.:</b>	1017 mbar	<b>Tested by:</b> Marty Martin
<b>EUT:</b>	EEMMABT			
<b>Configuration:</b>	Unknown			
<b>Customer:</b>	Masimo Corporation			
<b>Attendees:</b>	Mike Clark			
<b>EUT Power:</b>	Battery			
<b>Operating Mode:</b>	High Channel 2480 MHz			
<b>Deviations:</b>	None			
<b>Comments:</b>	F Type Antenna is a copper feature on the PWB Antenna port direct connect output power 1.408 mW = 1.49 dBm = 96.6 dBuV/m @ 3m			

Frequency		<b>2480</b>		
Measurement Antenna Polarity		<b>Vertical</b>		
Antenna Under Test (AUT) Polarity		<b>X</b>		
Maximum Absolute Gain of AUT (dBi)		<b>-1.74</b>	Measured Power Max (dBuV/m)	96.60
Minimum Absolute Gain of AUT (dBi)		-15.04	AUT Relative Gain Max (dBuV/m)	94.86
Delta (dB)		13.30	Difference (Reference Antenna - AUT) (dB)	1.74
Average Absolute Gain of AUT (dBi)		<b>-7.24</b>	Correction Factor (Convert Relative to Absolute Gain) (dB)	<b>96.60</b>
<b>Run #</b>		<b>Test Distance (m)</b>	<b>Antenna Height(s)</b>	<b>Results</b> NA

