



SUMMIT SEMICONDUCTOR LLC

AUDIO WIRELESS CLIENT DEVICE

SUMMIT SEMICONDUCTOR LLC

Model No.: 444-2224

FCCID: UA9600

ANTENNA INFORMATION

Model No. 444-2224
www.summitsemi.com

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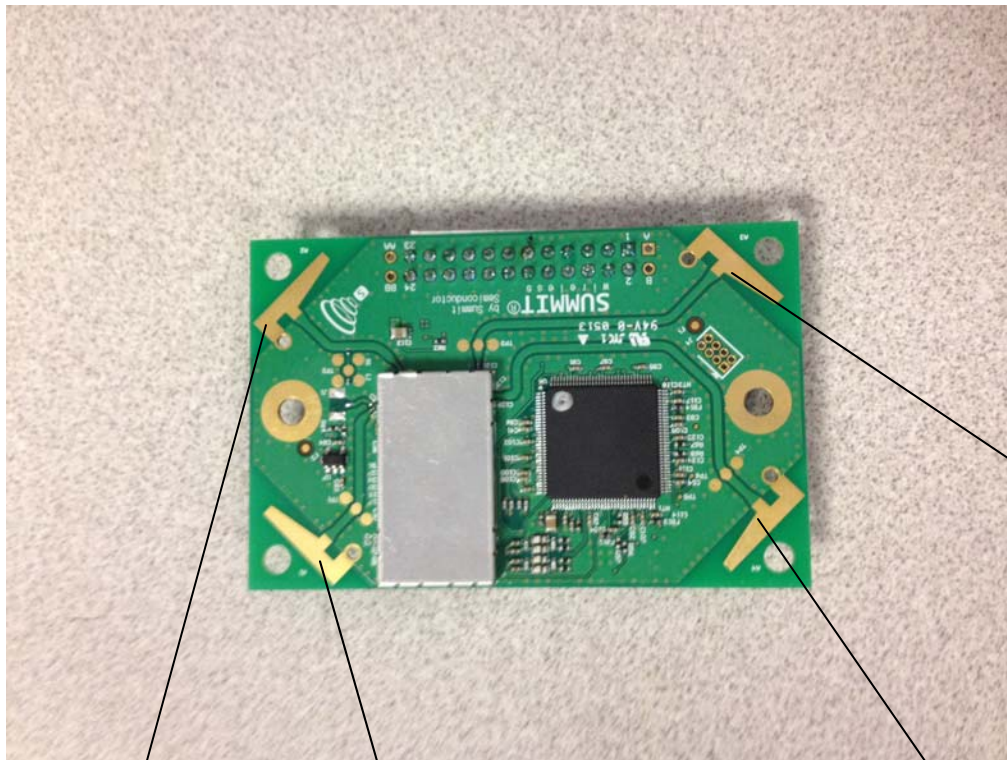


The 444-2224 Digital Wireless Audio Client Device includes a low-cost, integrated quad diversity Inverted F - PCB antenna, meaning no unsightly external antennas or tuning of RF application circuits are required. This ensures unique coupling between the antenna and the intentional radiator.

The user manual clearly cautions the user not to try to replace the antennas and the modular device is compatible with only the integrated antennas.

Hence a list of usable antennas is not furnished to the user. Also, there are no specific controls available to the user that changes the performance of the antenna.

The maximum gain for the wireless audio client device at 5500 and is 4.0dBi.



Antenna 3

Antenna 1

Antenna 2

Antenna 4



NORTHWEST EMC		ABSOLUTE GAIN DATA SHEET																																									
EUT:	Ice axe antenna - Riddle Board	Work Order:	FOCU0113																																								
Serial Number:	A1 Mod	Date:	08/17/11																																								
Customer:	Summit Semiconductor	Temperature:	23.4 °C																																								
Attendees:	Ponnappa Pasura	Humidity:	41%																																								
Project:	None	Barometric Pres:	1019.3 mb																																								
Tested by:	Rod Peloquin	Power:	N/A																																								
		Job Site:	EV01																																								
TEST SPECIFICATIONS		Test Method																																									
TEST PARAMETERS																																											
Antenna Height(s) (m)		Test Distance (m)	3																																								
COMMENTS																																											
None																																											
EUT OPERATING MODES																																											
+10dBm output, 6dB attenuator at the end of NWEMC feed cable																																											
DEVIATIONS FROM TEST STANDARD																																											
Run #	5	Signature																																									
Configuration #	1																																										
Results																																											
<table border="0"> <tr> <td>Frequency</td> <td>5500.00</td> <td></td> <td></td> </tr> <tr> <td>Absolute Gain of Reference Antenna (dBi)</td> <td>10.30</td> <td></td> <td></td> </tr> <tr> <td>Reference Antenna Relative Gain Max (dBuV/m)</td> <td>99.70</td> <td></td> <td></td> </tr> <tr> <td>AUT Relative Gain Max (dBuV/m)</td> <td>93.40</td> <td></td> <td></td> </tr> <tr> <td>Difference (Reference Antenna - AUT) (dB)</td> <td>6.30</td> <td></td> <td></td> </tr> <tr> <td>AUT Setup Loss (dB)</td> <td>0.00</td> <td></td> <td></td> </tr> <tr> <td>Maximum Absolute Gain of AUT (dBi)</td> <td>4.00</td> <td>Average ABS Gain (dBi)</td> <td>-3.87</td> </tr> <tr> <td>Correction Factor (Convert From Relative to Absolute Gain) (dB)</td> <td>89.40</td> <td></td> <td></td> </tr> <tr> <td>Measurement Antenna Polarity</td> <td>Horizontal</td> <td></td> <td></td> </tr> <tr> <td>Antenna Under Test (AUT) Polarity</td> <td>Horizontal</td> <td></td> <td></td> </tr> </table>				Frequency	5500.00			Absolute Gain of Reference Antenna (dBi)	10.30			Reference Antenna Relative Gain Max (dBuV/m)	99.70			AUT Relative Gain Max (dBuV/m)	93.40			Difference (Reference Antenna - AUT) (dB)	6.30			AUT Setup Loss (dB)	0.00			Maximum Absolute Gain of AUT (dBi)	4.00	Average ABS Gain (dBi)	-3.87	Correction Factor (Convert From Relative to Absolute Gain) (dB)	89.40			Measurement Antenna Polarity	Horizontal			Antenna Under Test (AUT) Polarity	Horizontal		
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