AUGi_Sense

mmWave ANTENNA TEST REPORT

Product Name	AUGi Sense
Applicant	Innocomm
Manufacturer	Innocomm
Test site	Innocomm
Model	Sense_mmWave
Antenna type	mmWave
Address	1F, No.6, Hsin Ann Rd., Hsinchu Science Park, Hsinchu 30078, Taiwan

Approved by	Reviewed by	Issued by
Taka Wei	Taka Wei	Ella Lin

TABLE OF CONTENT

1. INTRODUCTION

1.1 TEST SAMPLE

Quantity: 1
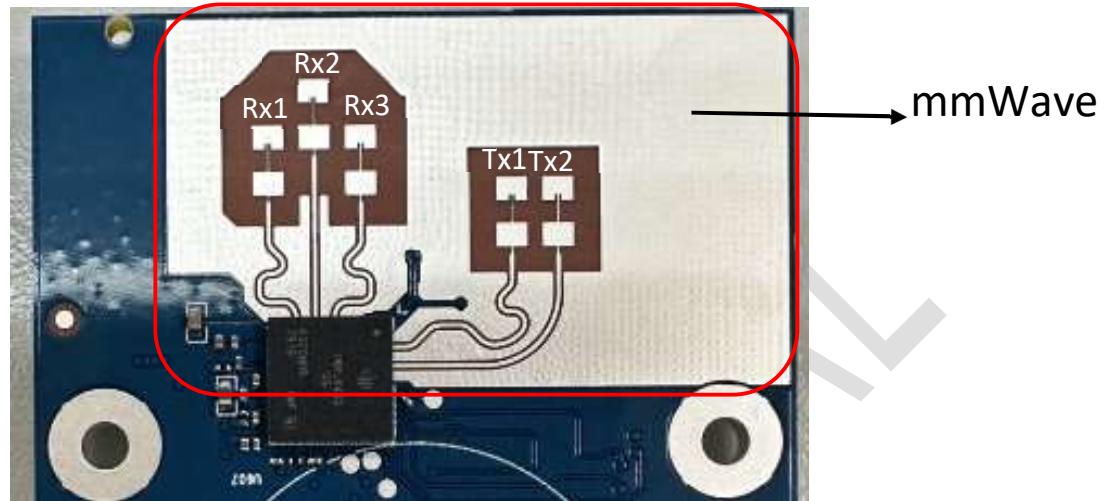
1.2 TEST CONDITION

Support Band: mmWave _57GHz~64GHz

Temperature: 25°C

2. PASSIVE PERFORMANCE TEST

2.1 GAIN OF FREE SPACE

Frequency (MHz)	AUGi_Sense	
	Frequency (57GHz~64GHz)	Peak Gain (dBi)
mmWave	Rx1	5.31
	Rx2	5.56
	Rx3	5.46
	Tx1	5.61
	Tx2	5.28

Shows the antenna radiation pattern with regard to elevation. Both figures show the radiation pattern for each TX-RX pair in the complete virtual array. This means that for the -6dB beamwidth, users need to look for a -12dB (Tx(-6dB) +Rx(-6dB)) beamwidth from boresight
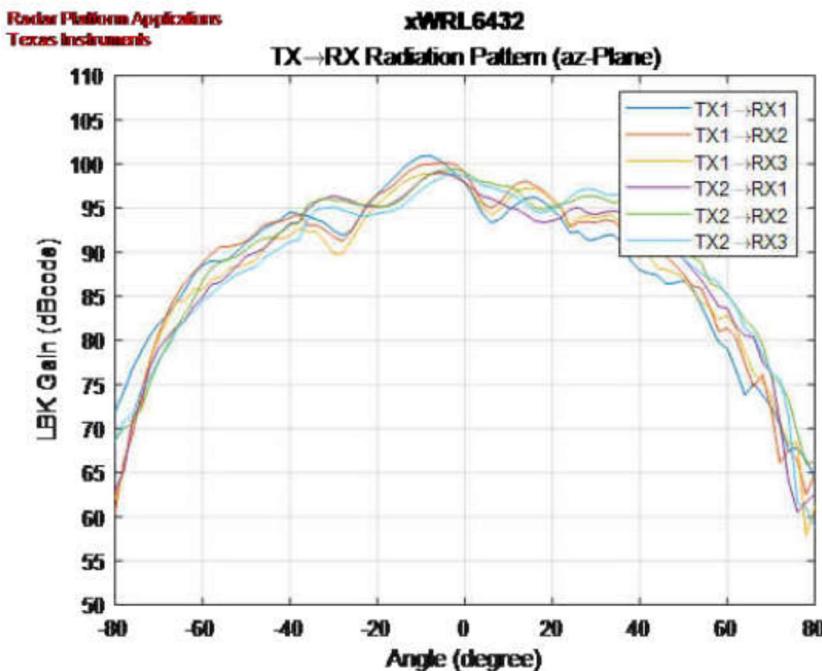
Azimuth Antenna Radiation Patterns
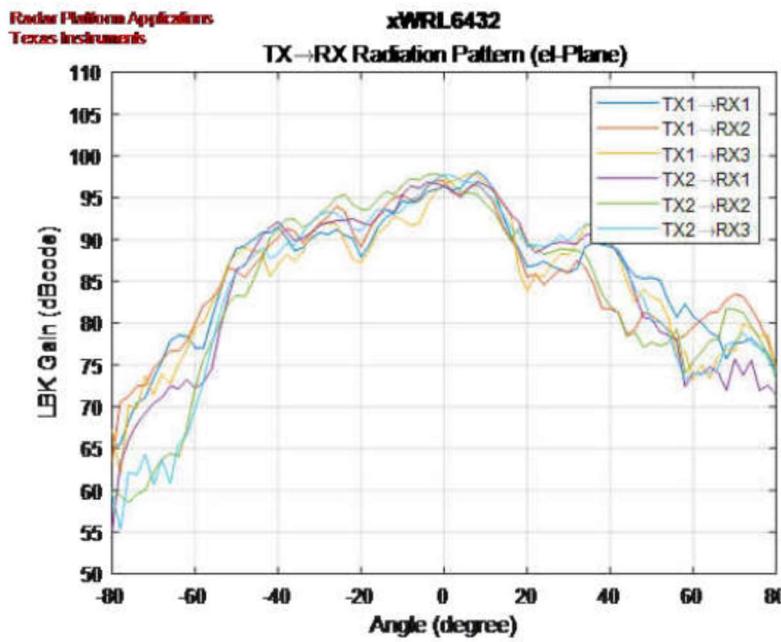
Elevation Antenna Radiation Patterns

Measured elevation radiation pattern for all Tx-Rx pairs (corner reflector placed at approximately 5 meters with a 4GHz bandwidth chirp starting at 59GHz).