



EUT Description for Telrad's BreezeAir ACE

FCC ID ARA-BACE5X / IC: 899A-BACE5X

The BreezeAir ACE is a point-to-point and point to multi point broadband wireless communication system. The system uses dual radio channel (MIMO) in the 5.8 GHz bands, utilizing 20,40,80 MHz channels, OFDM modulation, and TDD Spectrum Management.

The E.U.T. utilizes 2x2 MIMO connected to integrated or external dual-polarization MIMO antennas, based on Qualcomm's 802.11ac chipset, with no use of beamforming or beam steering.

EUT Technical characteristics for 15.407, 5.8GHz

Transmitter characteristics		Notes
Assigned frequency	5725-5850MHZ	
Operating Frequency range	5740-5835MHZ	20MHz Channel
	5750-5825MHZ	40MHz Channel
	5770-5805MHZ	80MHz Channel
Antenna Ports	TNC	For detached option only
Modulation type	BPSK, QPSK, 16QAM, 64QAM, 256QAM	
Multiplexing type	OFDM	
Modulating Test Signal	PRBS 100% duty cycle, QPSK, 64QAM, 256QAM	
Max. TX Power PTP	21dBm conducted RMS power	
Max. TX Power PTMP	21dBm conducted RMS power	36dBm E.I.R.P
Max gain Flat antenna	23dBi	
Max gain Parabolic antenna	30dBi	

Sincerely

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