

CUSTOMER: REDACTED

NOTE:

MODEL NO: 970980W-20/387S

SERIAL NO: 417

ITEM NO	SPECIFICATION		TEST DATA
	Transmitter Specifications		
1	Transmitter RF Frequency (GHz)	95 GHz to 100 GHz	95 GHz to 100 GHz
2	Transmitter IF Frequency (GHz)	2.1 GHz	2.1 GHz
3	Transmitter LO	Mechanically Controlled VCO	set at 95 GHz
4	Transmitter Conversion Gain (dB)	30 dBm	38 dBm typ
5	Transmitter Pout (dBm)	20 dBm typ over band	19.5 dBm typ over band
6	Antenna Gain	10dB	15dB
7	Maximum IF Input Power (C.W.)	+5 dBm Maximum	
	Receiver Specifications		
8	Receiver IF Frequency (GHz)	2.1 GHz Fixed	2.1 GHz
9	Receiver RF Frequency (GHz)	95 GHz - 100 GHz	95 GHz - 100 GHz
10	Receiver LO	Mechanically Controlled VCO	set at 95 GHz
11	Receiver Conversion Gain (dB)	35 dB	45 dB typ
12	Noise Figure	5 dB	4 dB typ over band
13	Antenna Gain	10 dB	15 dB
14	Maximum RF Input Power (C.W.)	+0 dBm Maximum	

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DATE: 2022-02-18



[illegible]

1. Power Sequence: Apply +6V first and then apply TTL voltage. Warranty void if TTL applied before +6V.
2. Do not put any foreign objects inside the waveguide and antenna. Warranty Void
3. Warranty Void if RF Input Power and/or DC Voltage exceeds maximum rating specified above
4. Case temperature of the Transceiver should never exceed above +60°C.
5. Reverse biasing will destroy the Transceiver. Warranty void.
6. All data taken @ +23°C unless otherwise specified.

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