DSP85: Digital Repeater LTEC 700 MHz
Model: CSI-DSP85-U7C

FCC ID: NVRCSI-DSP85-U7C

Public Exposure to Radio Frequency Energy Levels 1.1307 (b)(1)

	MPE Distance (cm)	DUT Output Power (dBm)	DUT Antenna Gain (dBi)	Power Density		Limit (mW/cm^2)	Result
				(mW/cm^2)	(W/m^2)		
	(1)	(2)	(3)	(4)		(5)	
Downlink	20	30.79	3	0.476	4.7613	1	Compliant
Uplink	20	27.93	3	0.246	2.4645	1	Compliant
Downlink	49	30.79	14	0.998	9.9861	1	Compliant
Uplink	36	27.93	14	0.957	9.5760	1	Compliant

$$PD = \frac{OP + AG}{(4 \times \pi \times d^2)}$$

1. Reference CFR 2.1093(b): For purposes of this section, a portable device is defined as a transmitting device designed to be used so that the radiating structure(s) of the device is/are within 20 centimeters of the body of the user. Actual separation distance was calculated for outdoor applications.
2. Section 6.1.2 of this test report. Note that the value has been adjusted to include the cable insertion loss.
3. Data supplied by the client. 3 dBi for Indoor, 14 dBi for Outdoor Applications
4. Power density is calculated from field strength measurement and antenna gain.
5. Reference CFR 1.1310, Table 1: Limits for Maximum Permissible Exposure (MPE), Section (B): Limits for General Population/Uncontrolled Exposure.