

1695-1710 MHz, 1755-1760 MHz, 2155-2160 MHz

Special Temporary Authorization (“STA”) Application

Introduction

Dish Wireless is breaking new frontiers in providing wireless services by building a 5G network from ground using latest in technology. Dish Wireless would like to conduct 5G testing in Las Vegas, NV utilizing 3GPP frequency ranges 1695-1710 MHz, 1755-1760 MHz, and 2155-2160 MHz. Dish Wireless respectfully requests the commission to grant an Special Temporary Authorization to field test in these ranges.

Transmitter Information

Testing is expected to occur constantly upto 6 months. The network will consist of 29 base stations and up to 200 mobile devices transmitting in the range of 1695-1710 MHz, 1755-1760 MHz, and 2155-2160 MHz at the location defined in table 2.

Table 1: Transmitter Information

Type	Frequency (MHz)	Peak ERP			Emission BW
		dBm	dBW	W ERP	
Mobile	1695-1710, 1755-1760	27	-3	0.5	5M007W7
Fixed	2155-2160	70	40	10,370	5M007W7

Table 2: Base Transmitter Site Information

Site	County	Lat	Long	Azimuth	Elevation	Antenna Type
4701 Cameron St, Las Vegas, NV 89103	Clark	36-6-17 N	115-12-18 W	Omni (3-sector site)	below horizon	Omni

Point of Contact to Stop Transmission

Immediate request for Dish Wireless to stop transmission should be emailed to:

Suman Chandra Sharma

RF Engineering & Operations Manager- Las Vegas

Office (972) 800-4778

suman.sharma@dish.com