

WAIVER REQUEST

Allen Holdings, Inc. d/b/a Allen Communications seeks a waiver of the minimum angle of antenna elevation requirements in §25.205(a).

E000232 provides service to the Defense Media Center (“DMC”) located at March AFB. E000232 provides Armed Forces Radio (“AFR”) and Armed Forces Television (“AFT”) to U.S. Military installations throughout the Pacific Rim. Due to operational and budgetary changes, DMC is temporarily required to change the satellite it uses to distribute AFR and AFT.

As demonstrated in the attached Interference Case Summary, transmissions at the requested levels will not cause any interference.

Table
Interference Case Summary – Case between 258 and 266 Degrees
MARCHAFB, CALIFORNIA

Case #	Path ID	Band (GHz)	Distance (km)	Azimuth (°)	ES Disc (°)	ES Gain (dBi)	LOS Loss (dB)	OH Loss 20% (dB)	OH Loss 0.01% (dB)	Revised Margin 20% (dB)	Revised Margin 0.01% (dB)	Center Freq MHz
2	PALOS VERDE ANAHEIM	6.1	102.2	260.4	2.9	17.2	24.5	59.4	10.9	CLEAR	CLEAR	6315.84
3	BUENA VISTA BOX SPRING N	6.1	30.7	264.4	2.9	17.2	21.2	67.4	33.2	CLEAR	CLEAR	6345.49
4	SIERRA PK GEP	6.1	37.9	260.7	2.9	17.2	19.6	14.0	5.8	5.6	CLEAR	5974.85
7	SIGNAL HILL ANAHEIM PAS	6.1	85.4	262.3	2.9	17.2	18.2	59.4	8.0	CLEAR	CLEAR	6315.84
23	YORBA LIN 2 SIERRA PEAK	6.1	53.0	264.4	2.9	17.2	12.1	63.3	10.6	CLEAR	CLEAR	6197.24
30	SIERRA PEAK ARC	6.1	37.9	260.7	2.9	17.2	7.6	14.4	6.2	CLEAR	CLEAR	6123.24
32	ANAHEIM YORBA LINDA	6.1	62.5	262.5	2.9	17.2	7.6	61.2	50.1	CLEAR	CLEAR	6226.89
36	ANAHEIM PAS ANAHEIM	6.1	60.6	259.2	3.7	15.5	5.5	58.9	47.7	CLEAR	CLEAR	6315.84
41	SIERRA PEAK COLTON	6.1	37.9	260.6	2.9	17.2	2.2	13.6	5.4	CLEAR	CLEAR	6063.80
43	SIERRA PEAK COLTON	6.1	37.9	260.6	2.9	17.2	2.2	13.6	5.4	CLEAR	CLEAR	5945.20
44	SIERRA PEAK COLTON	6.1	37.9	260.6	2.9	17.2	2.2	14.1	5.9	CLEAR	CLEAR	6034.15
45	SIERRA PEAK COLTON	6.1	37.9	260.6	2.9	17.2	2.2	13.6	5.4	CLEAR	CLEAR	6093.45
46	SIERRA PEAK COLTON	6.1	37.9	260.6	2.9	17.2	2.2	14.1	5.9	CLEAR	CLEAR	6152.75
59	SEAL BEACH LA PALMA	6.1	79.1	258.1	4.7	13.5	-0.9	57.3	46.2	CLEAR	CLEAR	6004.50
63	SAN PEDRO HI MT LEE	6.1	102.2	260.4	2.9	17.2	-2.8	59.5	12.0	CLEAR	CLEAR	6423.75
64	SEAL BEACH HUNTINGTN BCH	6.1	79.1	258.1	4.7	13.5	-3.0	57.3	46.2	CLEAR	CLEAR	5945.20
66	SERRANO SUB SANTIAGO PK	6.1	50.7	260.4	2.9	17.2	-3.3	77.8	26.8	CLEAR	CLEAR	6375.14
71	SIERRA PEAK HEAPS PEAK	6.1	37.8	260.6	2.9	17.2	-3.9	14.6	6.5	CLEAR	CLEAR	6004.50

All cases clear with OH loss or frequency separation

Antenna Type: Commscope ESA9.3-46
Uplink Power: -20.6 dBW/4 kHz
Satellite Arc: 194.0 W to 194.0 W
Objectives: Long Term: -154.0 dBW/4 kHz Short Term: -131.0 dBW/4 kHz