SUMMARY OF RADIOFREQUENCY
RADIATION STUDY

Proposed FM Translator - Colorado Springs, CO

July, 2016

CALL	SERVICE	CHANNEL	FREQUENCY	POLAR-IZATION	ANTENNA HEIGHT	ERP (kW)	VERT. RELATIVE FIELD FACTOR	WORST-CASE PREDICTED POWER DENSITY (μW/cm²)	FCC UNCONTROLLED LIMIT (μW/cm²)	PERCENT OF UNCONTROLLED LIMIT
APP.266D	FM	266	101.1	H & V	15	0.099	<note 1>	23.55000	200.000	11.78%
K253AH	FM	253	98.5	H & V	15	0.180	<note 1>	42.80000	200.000	21.40%
K297BQ	FM	297	107.3	H & V	11	0.250	<note 2>	56.70000	200.000	28.35%
								TOTAL PERCENTAGE OF ANSI VALUE =		61.53%

note 1: FM Model Antenna: EPA Type 1; worst-case, FM Dipole antenna

note 2: FM Model Antenna: EPA Type 2; Nicom BKG77 single bay antenna

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