

APPLICANT: SIEMENS AG

FCC ID: KR5FBS2BHASH

NAME OF TEST: RADIATION INTERFERENCE

RULES PART NO.15.109(a) and 15.209

REQUIREMENTS: CARRIER FREQUENCY WILL NOT EXCEED 2400/F(KHz) AT 300 Meters.

OUT-OF-BAND EMISSIONS SHALL NOT EXCEED THE LEVEL OF THE FUNDAMENTAL.

9 to 490 KHz: 2400/F(KHz) uV/m @ 300 METERS
@125KHz Limit is 25.66dBuV/m @300Meters

490 to 1705 KHz: 24000/F(KHz) uV/m @ 30 METERS

1705 to 30 MHz: 29.54 dBuV/M @ 30 METERS

30 to 88 MHz: 40.00 dBuV/M @ 3 METERS

88 to 216 MHz: 43.50 dBuV/M

216 to 960 MHz: 46.02 dBuV/M

ABOVE 960 MHz: 54.00 dBuV/M

TEST

CONFIGURATION: The INTENTIONAL RADIATOR was connected to an ignition switch and a harness simulator cable box. The device was tested in both transmitting modes.

TEST DATA:

EMISSION FREQUENCY MHz	METER READING AT 3 METERS dBuV	ANTENNA CORRECTION FACTOR dB	PEAK FIELD STRENGTH dBuV/m@3m	ANT. POL.
0.125	72.85	13.00	85.00	V
0.375	45.50	4.50	50.00	V
0.50	27.00	2.00	29.00	V
0.625	43.00	0.00	43.00	V
0.875	38.00	-3.00	35.00	V
1.00	28.00	-4.00	24.00	V
1.125	35.00	-6.00	29.00	V
1.50	27.00	-7.50	20.00	V
1.625	27.00	-8.00	19.00	V
1.75	26.50	-8.50	18.00	V

THE MEASUREMENTS WERE MADE AT 3.0Meters.

The spectrum was scanned from 10KHz to 1000MHz.

SAMPLE CALCULATION: FSdBuV/m = MR(dBuV) + ACFdB.

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