

Manufacturer: Keysight

Name: Oscar Frau

Product: AV1022-66022

Title: Test engineer

FCC ID: 2AK5OAV1022-66002

Signature:



MPE limits (§1.1310)

Mode	Frequency MHz	Duty Cycle %	Power ⁶ dBm	Antenna		EIRP ¹ dBm	EIRP mW	MIMO EIRP ⁴ dBm	MIMO Limit ⁵ dBm	Distance cm	PD ² mW/cm ²	PD Limit ³ mW/cm ²	Margin dB	PD/PD Limit	Worst PD/PD values to be considered
				Gain dBi											
10 MHz OBW - port 1	5900.0	100	22.5	-2.6		19.90	97.7	23.0	23.0	20	0.019	1.000	17.11	0.01944	
10 MHz OBW - port 2	5900.0	100	22.6	-2.6		20.00	100.0			20	0.020	1.000	17.01	0.01989	
10 MHz OBW - port 1	5910.0	100	23.0	-2.6		20.40	109.6	23.3	33.0	20	0.022	1.000	16.61	0.02181	
10 MHz OBW - port 2	5910.0	100	22.7	-2.6		20.10	102.3			20	0.020	1.000	16.91	0.02036	
10 MHz OBW - port 1	5920.0	100	22.4	-2.6		19.80	95.5	22.7	33.0	20	0.019	1.000	17.21	0.01900	
10 MHz OBW - port 2	5920.0	100	22.2	-2.6		19.60	91.2			20	0.018	1.000	17.41	0.01814	0.02181
20 MHz OBW - port 1	5905.0	100	20.3	-2.6		17.70	58.9	20.7	23.0	20	0.012	1.000	19.31	0.01171	
20 MHz OBW - port 2	5905.0	100	20.3	-2.6		17.70	58.9			20	0.012	1.000	19.31	0.01171	
20 MHz OBW - port 1	5915.0	100	20.0	-2.6		17.40	55.0	20.4	33.0	20	0.011	1.000	19.61	0.01093	
20 MHz OBW - port 2	5915.0	100	20.0	-2.6		17.40	55.0			20	0.011	1.000	19.61	0.01093	

¹EIRP = (Power dBm + Antenna Gain dBi) + 10 x Log (Duty Cycle % / 100)

²PD = EIRP / (4xπxD²)

³CFR 47 Part 1, §1.1310(e), table 1

⁴MIMO = 10+Log(SUM (Ant1,2) EIRP (mW))

⁵See KDB 511808 D01 C-V2X v02, §3.2.1

⁶See Test Report No.: REP096443