

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	7		29.50	891.3	32.6	33.0	20	0.177	1.000	7.51	0.17731	
10 MHz OBW - port 2	5900.0	100	22.6	7		29.60	912.0			20	0.181	1.000	7.41	0.18144	
10 MHz OBW - port 1	5910.0	100	23.0	7		30.00	1000.0	32.9	33.0	20	0.199	1.000	7.01	0.19894	
10 MHz OBW - port 2	5910.0	100	22.7	7		29.70	933.3			20	0.186	1.000	7.31	0.18567	
10 MHz OBW - port 1	5920.0	100	22.4	7		29.40	871.0	32.3	33.0	20	0.173	1.000	7.61	0.17327	
10 MHz OBW - port 2	5920.0	100	22.2	7		29.20	831.8			20	0.165	1.000	7.81	0.16547	0.19894
20 MHz OBW - port 1	5905.0	100	20.3	7		27.30	537.0	30.3	33.0	20	0.107	1.000	9.71	0.10684	
20 MHz OBW - port 2	5905.0	100	20.3	7		27.30	537.0			20	0.107	1.000	9.71	0.10684	
20 MHz OBW - port 1	5915.0	100	20.0	7		27.00	501.2	30.0	33.0	20	0.100	1.000	10.01	0.09971	
20 MHz OBW - port 2	5915.0	100	20.0	7		27.00	501.2			20	0.100	1.000	10.01	0.09971	

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, §3.2.2

⁶See Test Report No.: REP096245