Company: Kumu Networks

Test of: KU5B01LTE02-US

To: FCC CFR 47 Part 2.1091

Report No.: KIMU03-U5_MPE Rev A

MPE/RF EXPOSURE TEST REPORT

MPE/RF EXPOSURE Evaluation

FROM

Test of: Kumu Networks KU5B01LTE02-US

to

To: FCC CFR 47 Part 2.1091

Test Report Serial No.: KUMU03-U5_MPE Rev A

This report supersedes: NONE

Applicant:	Kumu Networks 960 Hamlin Court, Sunnyvale California 94089 USA
Product Function:	LTE Network Relay
Issue Date:	18th August 2017

This Test Report is Issued Under the Authority of:

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TESTING CERT #2381.01

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1. MAXIMUM PERMISSABLE EXPOSURE

Calculations for Maximum Permissible Exposure Levels
Power Density = Pd (mW/cm^2) = $EIRP/(4*\pi*d^2)$
EIRP = P * G
P = Peak output power (mW)
G = Antenna numeric gain (numeric)
d = Separation distance (cm)
Numeric Gain = 10 ^ (G (dBi)/10)

The calculations in the table below uses the highest power measured during the test program and assumes use of antenna with highest gain that can be used to meet the EIRP limits of per **FCC 24E: §24.232** (c) Mobile and portable stations are limited to 2 watts.

These calculations represent worst case in terms of the exposure levels.

Freq. Band (MHz)	Ant Gain (dBi)	Numeric Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Calculated Power Density (mW/cm^2) @ 20cm	Power Density Limit (mW/cm^2)	Min Calculated safe distance for Limit (cm)
1850.0 – 1910.0	0.00	1.00	24.69	294.44	0.06	1.00	4.84

Note: for mobile or fixed location transmitters the minimum separation distance is 20cm, even if calculations indicate the MPE distance to be less.

Specification - Maximum Permissible Exposure Limits

The Limit is defined in Table 1 of FCC §1.1310.

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