

Antenna Measurement Summary Report

MODEL NAME: MR0103
ANTENNA TYPE: Monopole Antenna
TESTED DATE: 2022.12.08
ISSUED: 2022.12.08

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GENERAL INFORMATION

MANUFACTURER:	Logitech Europe S.A.
MODEL NAME:	MR0103
MEASUREMENT LAB:	Logitech Suzhou EE LAB

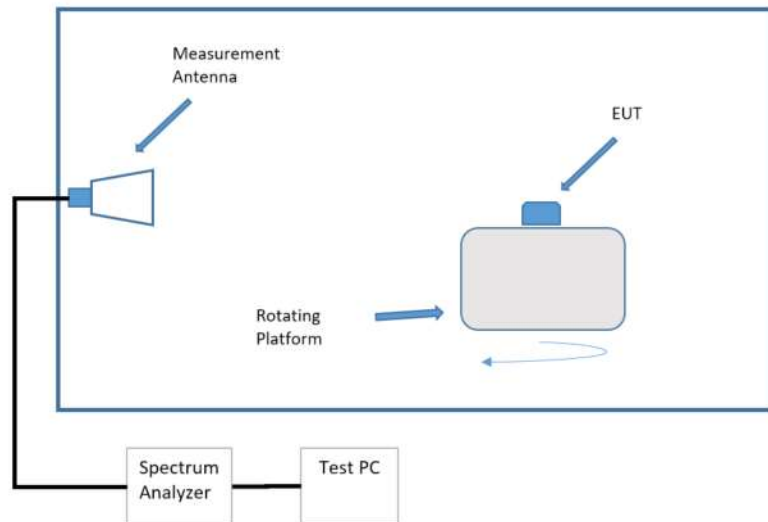
Tested by: Haojia Zhang,
Prepared by: Frank Song,

Date: 2022.12.08
Date: 2022.12.08

Test Methods

- The DUT is put in CW emission on LOW, MID, HIGH channels
- The radiation pattern of the DUT is measured in anechoic chamber
 - On the XY-plane only for keyboards and mice (standard position). An all the 3 planes (XY - YZ - XZ) for presenters and receivers
 - On both the antenna polarizations (Polar - Copolar)
 - In all the configurations available for the final user (with / without charging cable, with / without extender)
- The maximum radiated power (Max. EIRP) of all the measurements is recorded
- The maximum antenna gain is calculated
 - $\text{Maximum Antenna Gain} = \text{Maximum Radiated Power} - \text{Conducted Power}$

Description of the anechoic chamber:



Test Equipment List

Description	CALIBRATION DUE DATE
FAC 2.4GHz Chamber	N/A
Measurement Horn Antenna (SZ)	N/A
Spectrum Analyser, Keysight N9010A	2023.07.14
Dell Optiplex 745	N/A

Antenna Radiation Performance

Frequency(GHz)	2402	2440	2480
Plane1 Gain(dBi)	2.43	2.56	0.55
Plane2 Gain(dBi)	0.44	2.01	1.75
Plane3 Gain(dBi)	-0.12	0.42	0.15
Max Antenna Gain(dBi)	2.43	2.56	1.75

Antenna Gain: **2.56 dBi**

Antenna Patterns

