


Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 825

Page: 1 of 2

LABORATORY LOCATION/ CENTRAL OFFICE:	Motorola Penang Advanced Communication Laboratory, Motorola Solutions Malaysia Sdn. Bhd. Plot2A, Medan Bayan Lepas Mukim. 12, SWD 11900 Bayan Lepas, Pulau Pinang , 11900, PULAU PINANG MALAYSIA
	
ACCREDITED SINCE :	06 APRIL 2025
FIELD(S) OF TESTING:	ELECTRICAL (RADIO FREQUENCY) ELECTROMAGNETIC COMPATIBILITY (EMC)

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

CENTRAL LOCATION:	Motorola Penang Advanced Communication Laboratory, Motorola Solutions Malaysia Sdn. Bhd. Plot2A, Medan Bayan Lepas Mukim. 12, SWD 11900 Bayan Lepas, Pulau Pinang , 11900, Pulau Pinang
FIELD(S) OF TESTING :	ELECTRICAL, ELECTROMAGNETIC COMPATIBILITY (EMC)

SCOPE OF TESTING : ELECTRICAL (RADIO FREQUENCY)

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
B) Commercial Mobile Radio	Effective Isotropic Radiated Power	ANSI/TIA-102.CAAA-D:2013
	None	ANSI/TIA-102.CAAA-E:2016
C) General Mobile Radio Service Equipment Maritime Radio Services Equipment	4) Dynamic Frequency Selection 5) Maximum Frequency: 40 GHz	FCC: Part 15 B, Part 15 C, Part 22, Part 24, Part 25 Part 27, Part 73, Part 74 Part 80, Part 87, Part 90 Part 95, Part 97, Part 101
C) General Mobile Radio Service Equipment Qd) Maritime Radio Services Equipment	Emissions Masks 6) Frequency Stability Audio Frequency Response	Part 15 B, Part 15 C, Part 22, Part 24, Part 25 Part 27, Part 73, Part 74 Part 80, Part 87, Part 90 Part 95, Part 97, Part 101

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Page: 2 of 2

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
E) Wireless Communication Services Equipment	None	FCC Guide: KDB 971168, KDB 789033 KDB 905462
	Audio Low Pass Filter Response	FCC Guide: KDB 971168, KDB 789033 KDB 905462
Equipment	None	RSS-Gen, RSS-119, RSS-130
	None	None
	None	None
	None	None
	None	0.45 + 7.6 nA
	None	None
	None	None
F) Family Radio Services	None	IC:
F) Family Radio Services Equipment	Modulation Limiting 10) Adjacent Channel Power	IC: RSS-Gen, RSS-119, RSS-130

SCOPE OF TESTING : ELECTROMAGNETIC COMPATIBILITY (EMC)

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
A) Fcc Licensed Radio	2) Conducted Emissions	ANSI C63.10-2013
	Bandwidth	ANSI/TIA-603-D:2010
Land Mobile Radio Equipment	1) Radiated Emissions	ANSI C63.26-2015
	RF Output Power	ANSI C63.26-2015
Peripheral Devices	None	RSS-139, RSS-140, RSS-182 RSS-195, RSS-199, RSS-210
	11) Peak Power Spectral Density	RSS-132, RSS-133, RSS-134 RSS-139, RSS-140, RSS-182 RSS-195, RSS-199, RSS-210
Services Equipment	None	ANSI/TIA-603-D:2010
	(EIRP)	ANSI/TIA-102.CAAA-E:2016
	None	ANSI/TIA-603-E:2016
	Band Edge Spurious Emissions	FCC:

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