

Figure 111 – 860.000 MHz, 30 MHz to 600 MHz RSS-119 Mask Y*

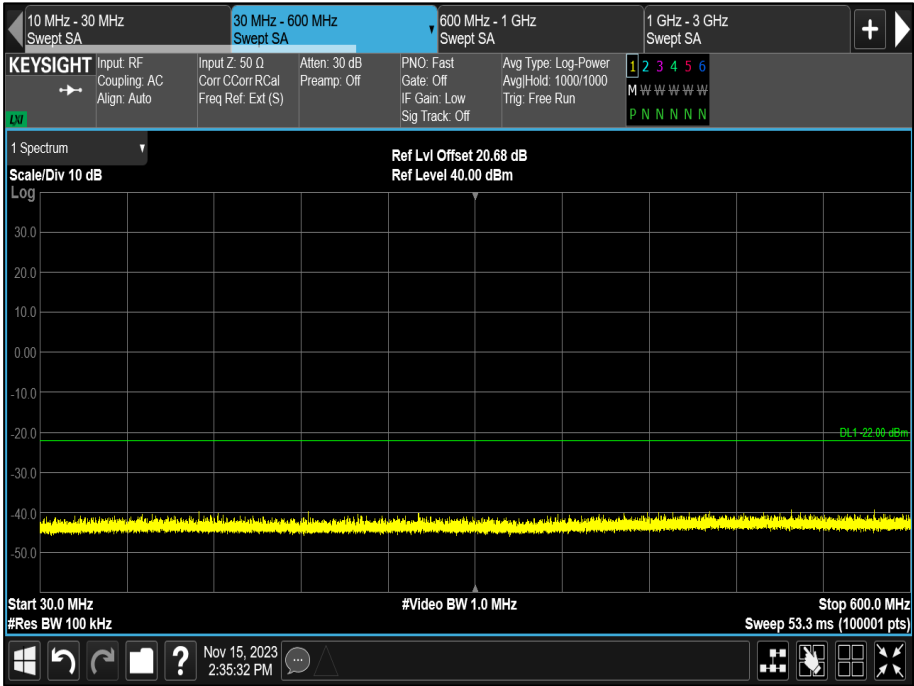


Figure 112 - 868.975 MHz - 30 MHz to 600 MHz RSS-119 Mask Y*

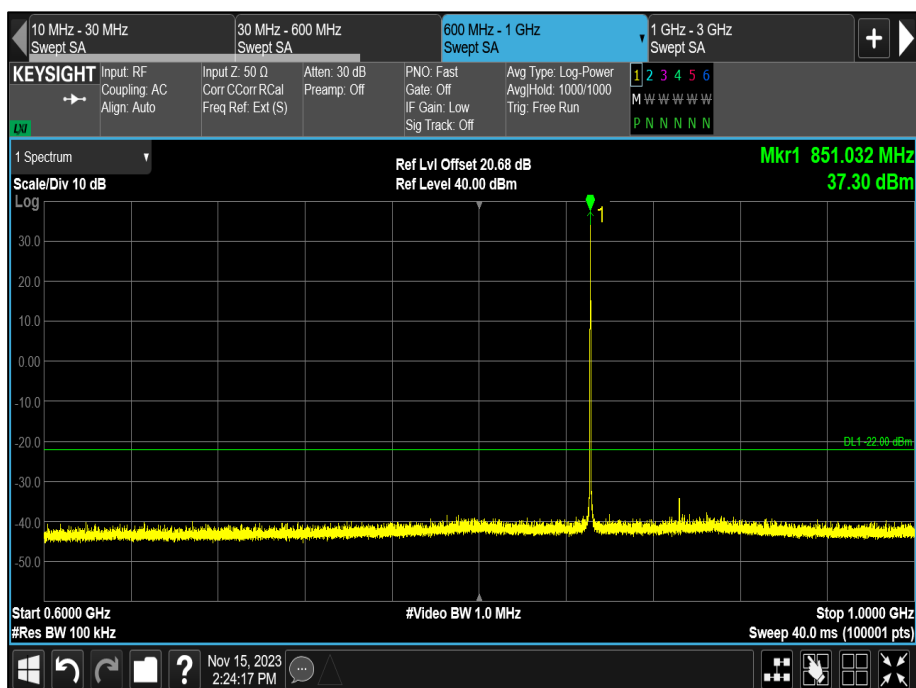


Figure 113 - 851.025 MHz,600 MHz to 1 GHz RSS-119 Mask Y*

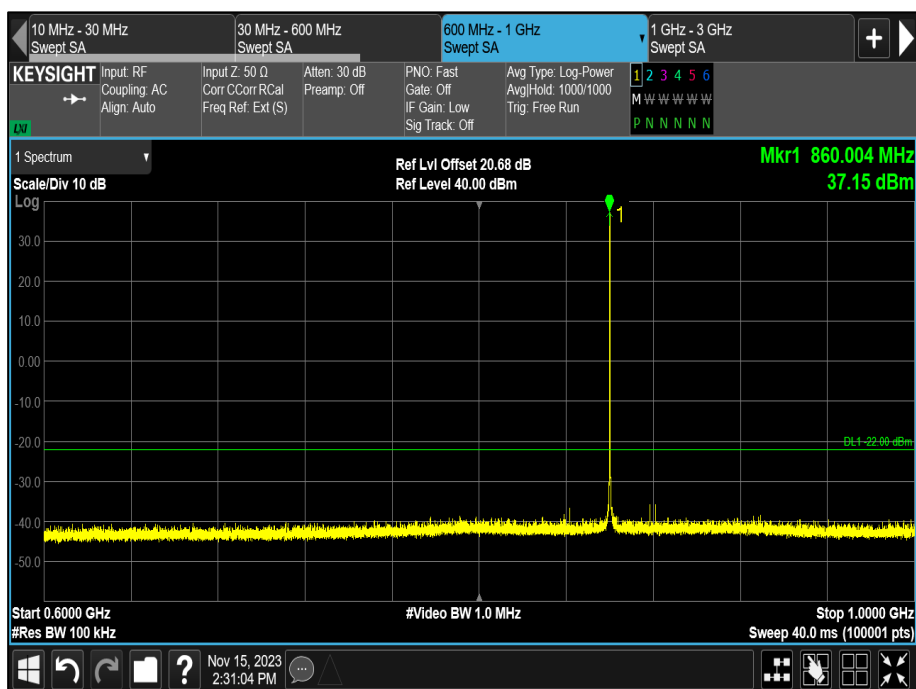


Figure 114 – 860.000 MHz, 600 MHz to 1 GHz RSS-119 Mask Y*

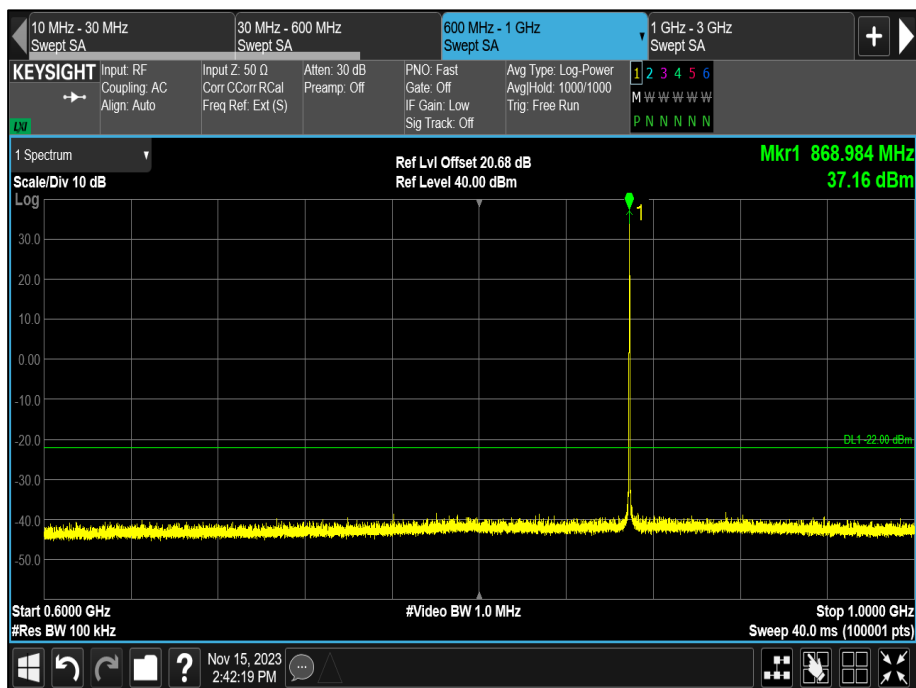


Figure 115 - 868.975 MHz - 600 MHz to 1 GHz RSS-119 Mask Y*

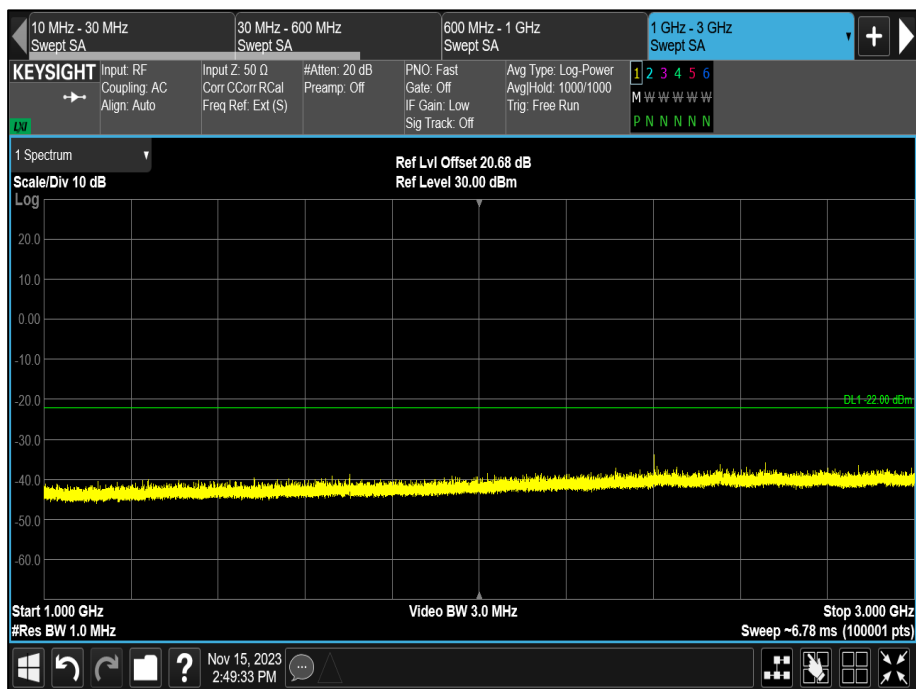


Figure 116 - 851.025 MHz, 1 GHz to 3 GHz RSS-119 Mask Y*

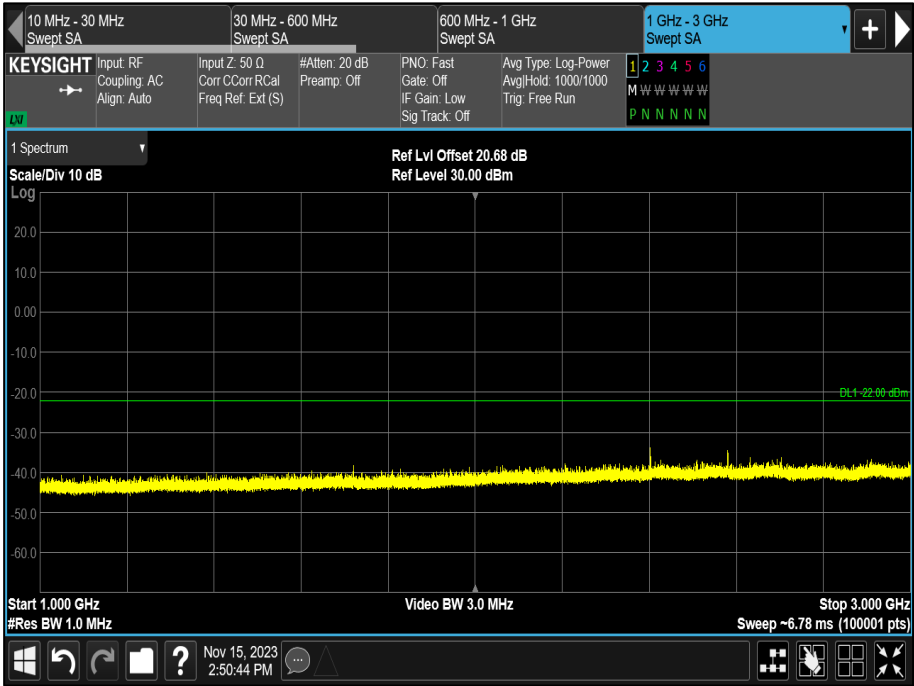


Figure 117 – 860.000 MHz, 1 GHz to 3 GHz RSS-119 Mask Y*

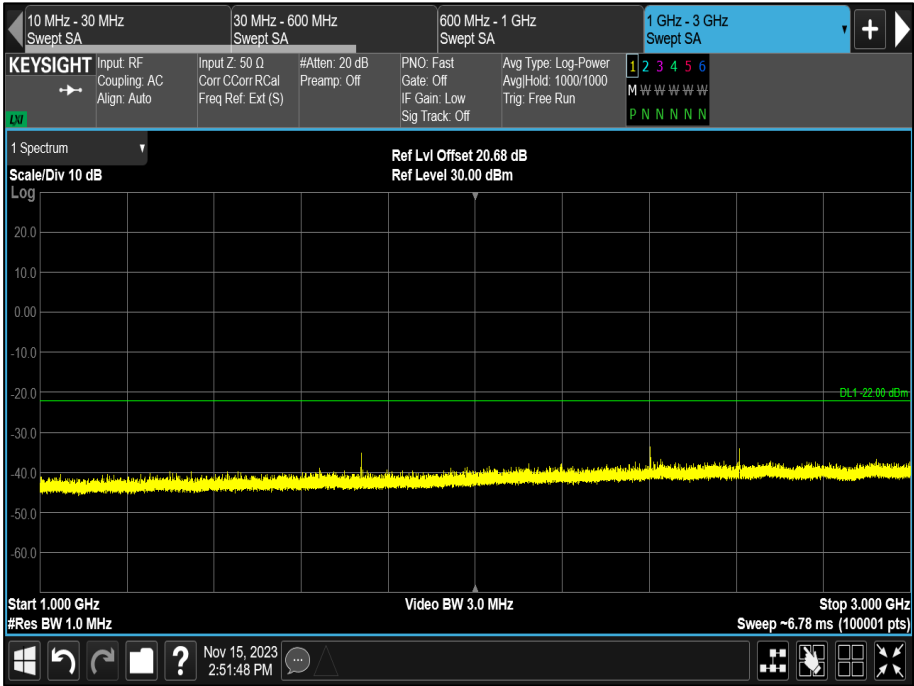


Figure 118 - 868.975 MHz - 1 GHz to 3 GHz RSS-119 Mask Y*

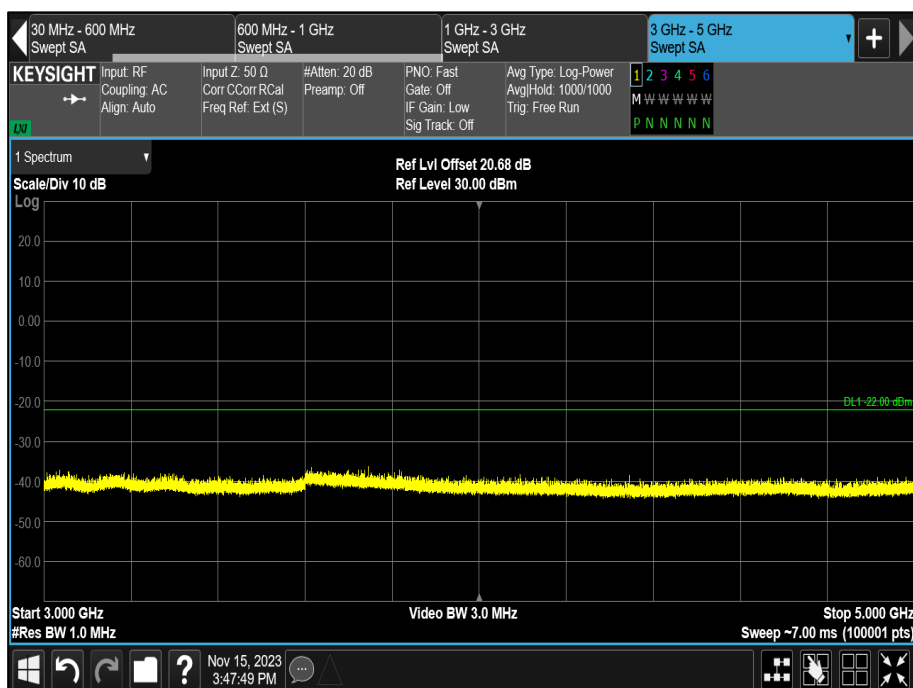


Figure 119 - 851.025 MHz, 3 GHz to 5 GHz RSS-119 Mask Y*

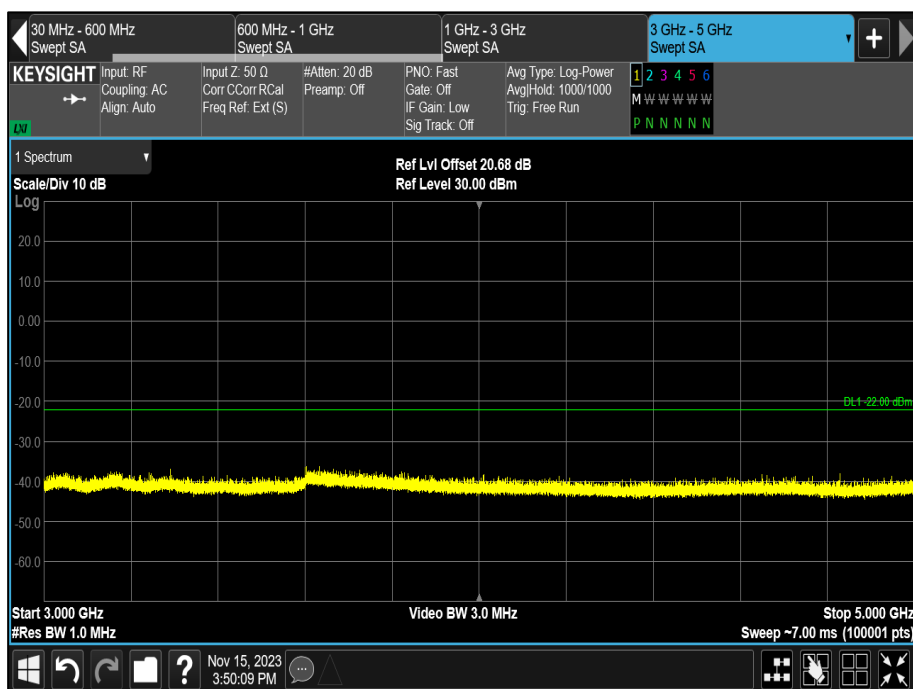


Figure 120 – 860.000 MHz, 3 GHz to 5 GHz RSS-119 Mask Y*

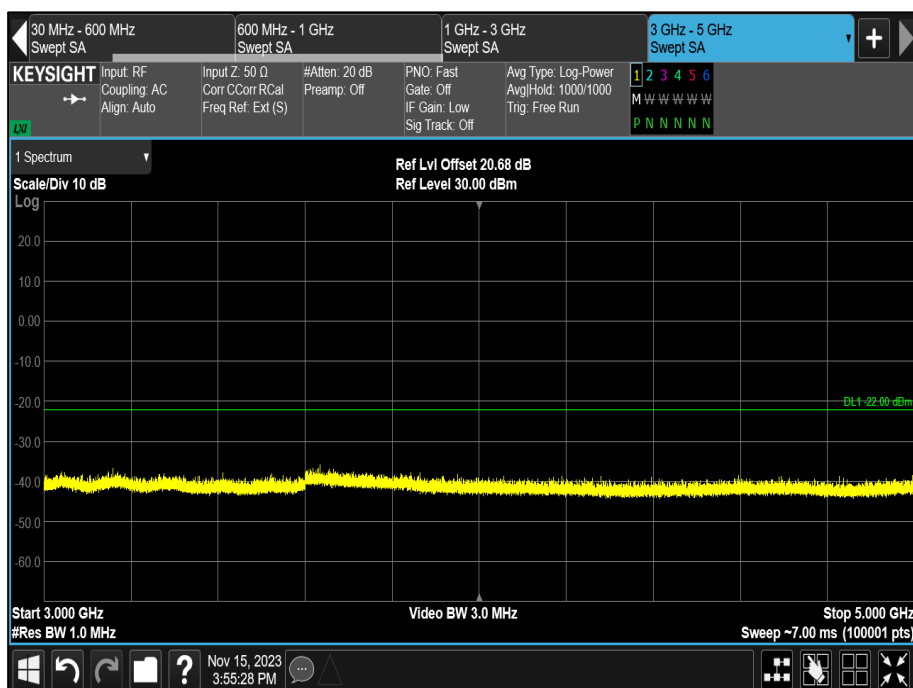


Figure 121 - 868.975 MHz - 3 GHz to 5 GHz RSS-119 Mask Y*

* The nominal declared power was changed by the applicant from 35 dBm to 34 dBm and therefore the limit for spurious emissions removed more than 13.975 kHz should be -23 dBm. There is sufficient margin on the plot to demonstrate the device under test is compliant.

FCC 47 CFR Part 90, Limit Clause 90.210

The EUT shall comply with emission mask B as per FCC 47 CFR Part 90, clause 90.210.

ISED RSS-119, Limit Clause 5.8

The EUT shall comply with emission mask Y as per ISED RSS-119, clause 5.8.10



2.3.7 Test Location and Test Equipment Used

This test was carried out in RF Laboratory 1.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
Frequency Standard	Spectracom	SecureSync 1200-0408-0601	4393	6	08-Feb-2024
Hygrometer with pressure meter	Testo	622	5047	12	28-Sep-2024
Attenuator 5W 20dB DC-18GHz	Aaren	AT40A-4041-D18-20	5500	12	21-May-2024
DVM - Digital Multimeter	Iso-tech	IDM101	5601	12	20-Feb-2024
Modular Power System Mainframe	Keysight Technologies	N6701C	5835	-	TU
DC Power Module 60V 20A 300W	Keysight Technologies	N6754A	5836	-	O/P Mon
1m K-Type Cable	Junkosha	MWX221/B	5908	12	21-May-2024
MXA Signal Analyser	Keysight Technologies	N9020B	6418	24	27-Feb-2025

Table 28

TU - Traceability Unscheduled

O/P Mon – Output Monitored using calibrated equipment



3 Measurement Uncertainty

For a 95% confidence level, the measurement uncertainties for defined systems are:

Test Name	Measurement Uncertainty
Maximum Conducted Output Power	± 3.2 dB
Radiated Spurious Emissions	30 MHz to 1 GHz: ± 5.2 dB 1 GHz to 18 GHz: ± 6.3 dB
Spurious Emissions at Antenna Terminals	± 3.45 dB

Table 29

Measurement Uncertainty Decision Rule – Accuracy Method

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115:2021, Clause 4.4.3 (Procedure 2). The measurement results are directly compared with the test limit to determine conformance with the requirements of the standard.

Risk: The uncertainty of measurement about the measured result is negligible with regard to the final pass/fail decision. The measurement result can be directly compared with the test limit to determine conformance with the requirement (compare IEC Guide 115). The level of risk to falsely accept and falsely reject items is further described in ILAC-G8.