



**ELEMENT MATERIALS TECHNOLOGY,
Columbia MD**

(formerly PCTEST)
7185 Oakland Mills Road, Columbia, MD 21046 USA
Tel. 410.290.6652 / Fax 410.290.6654
<http://www.element.com>

PART 27 MEASUREMENT REPORT

Applicant Name:

Samsung Electronics Co., Ltd.
129, Samsung-ro,
Yeongtong-gu, Suwon-si
Gyeonggi-do, 16677, Korea

Date of Testing:

12/10/2025 - 12/24/2025

Test Report Issue Date:

1/13/2026

Test Site/Location:

Element Lab., Columbia, MD, USA

Test Report Serial No.:

1M2508270084-10.A3L

FCC ID:

A3LSMS942B

APPLICANT:

Samsung Electronics Co., Ltd.

Application Type:

Certification

Model:

SM-S942B/DS

Additional Model(s):

SM-S942B

EUT Type:

Portable Handset

FCC Classification:

PCS Licensed Transmitter Held to Ear (PCE)

FCC Rule Part:

27

Test Procedure(s):

ANSI C63.26-2015, KDB 648474 D03 v01r04

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in §2.947. Test results reported herein relate only to the item(s) tested.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

RJ Ortanez
Executive Vice President



CERT #2041.01

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 1 of 102



TEST REPORT REVISION HISTORY

Rev. No.	Description	Issue Date	Revised By
-	Initial Release	1/13/2026	WKR0000023296

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 2 of 102

TABLE OF CONTENTS

1.0	INTRODUCTION	6
1.1	Scope	6
1.2	Element Test Location.....	6
1.3	Test Facility / Accreditations.....	6
2.0	PRODUCT INFORMATION.....	7
2.1	Equipment Description	7
2.2	Device Capabilities.....	7
2.3	Test Configuration	7
2.4	Duty Cycle Information	8
2.5	Software and Firmware	8
2.6	EMI Suppression Device(s)/Modifications	8
3.0	DESCRIPTION OF TESTS	9
3.1	Evaluation Procedure	9
3.2	Radiated Power and Radiated Spurious Emissions	9
4.0	MEASUREMENT UNCERTAINTY	10
5.0	TEST EQUIPMENT CALIBRATION DATA	11
6.0	SAMPLE EMISSION DESIGNATORS	13
7.0	TEST RESULTS	14
7.1	Summary.....	14
7.2	Conducted Output Power Data	15
7.3	Occupied Bandwidth	20
7.4	Spurious and Harmonic Emissions at Antenna Terminal	57
7.5	Band Edge Emissions at Antenna Terminal	66
7.6	Peak-Average Ratio	72
7.7	Radiated Power (EIRP).....	87
7.8	Radiated Spurious Emissions Measurements.....	91
7.9	Frequency Stability / Temperature Variation	99
8.0	CONCLUSION.....	102

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 3 of 102

PART 27 MEASUREMENT REPORT

Antenna-1						
Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	EIRP		Emission Designator
				Max. Power [W]	Max. Power [dBm]	
NR Band n77 PC2 (3450 - 3550MHz)	100 MHz	$\pi/2$ BPSK	3500.0	0.353	25.47	96M7G7D
		QPSK	3500.0	0.350	25.43	97M6G7D
		16QAM	3500.0	0.247	23.93	97M5W7D
	90 MHz	$\pi/2$ BPSK	3495.0 - 3505.0	0.369	25.67	87M1G7D
		QPSK	3495.0 - 3505.0	0.368	25.65	87M6G7D
		16QAM	3495.0 - 3505.0	0.259	24.13	87M6W7D
	80 MHz	$\pi/2$ BPSK	3490.0 - 3510.0	0.364	25.61	77M5G7D
		QPSK	3490.0 - 3510.0	0.358	25.53	77M6G7D
		16QAM	3490.0 - 3510.0	0.255	24.06	77M6W7D
	70 MHz	$\pi/2$ BPSK	3485.0 - 3515.0	0.375	25.74	64M8G7D
		QPSK	3485.0 - 3515.0	0.372	25.70	67M9G7D
		16QAM	3485.0 - 3515.0	0.263	24.20	67M7W7D
	60 MHz	$\pi/2$ BPSK	3480.0 - 3520.0	0.365	25.62	58M3G7D
		QPSK	3480.0 - 3520.0	0.363	25.59	58M1G7D
		16QAM	3480.0 - 3520.0	0.256	24.08	58M1W7D
	50 MHz	$\pi/2$ BPSK	3475.0 - 3525.0	0.359	25.55	46M1G7D
		QPSK	3475.0 - 3525.0	0.355	25.50	47M8G7D
		16QAM	3475.0 - 3525.0	0.252	24.01	47M6W7D
	40 MHz	$\pi/2$ BPSK	3470.0 - 3530.0	0.362	25.58	36M0G7D
		QPSK	3470.0 - 3530.0	0.358	25.54	38M1G7D
		16QAM	3470.0 - 3530.0	0.252	24.01	38M1W7D
	30 MHz	$\pi/2$ BPSK	3465.0 - 3535.0	0.365	25.62	27M1G7D
		QPSK	3465.0 - 3535.0	0.361	25.57	28M0G7D
		16QAM	3465.0 - 3535.0	0.256	24.07	28M2W7D
	20 MHz	$\pi/2$ BPSK	3460.0 - 3540.0	0.351	25.45	18M1G7D
		QPSK	3460.0 - 3540.0	0.351	25.45	18M4G7D
		16QAM	3460.0 - 3540.0	0.245	23.89	18M4W7D
	15 MHz	$\pi/2$ BPSK	3457.5 - 3542.5	0.353	25.47	13M1G7D
		QPSK	3457.5 - 3542.5	0.350	25.43	13M7G7D
		16QAM	3457.5 - 3542.5	0.249	23.95	13M7W7D
	10 MHz	$\pi/2$ BPSK	3455.0 - 3545.0	0.356	25.51	8M74G7D
		QPSK	3455.0 - 3545.0	0.352	25.46	8M73G7D
		16QAM	3455.0 - 3545.0	0.251	24.00	8M71W7D

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 4 of 102

Antenna-1						
Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	EIRP		Emission Designator
				Max. Power [W]	Max. Power [dBm]	
NR Band n77 PC2 (3700 - 3980MHz)	100 MHz	$\pi/2$ BPSK	3750.0 - 3930.0	0.287	24.58	96M6G7D
		QPSK	3750.0 - 3930.0	0.298	24.74	97M7G7D
		16QAM	3750.0 - 3930.0	0.241	23.81	97M7W7D
	90 MHz	$\pi/2$ BPSK	3745.0 - 3935.0	0.285	24.54	87M4G7D
		QPSK	3745.0 - 3935.0	0.295	24.70	87M8G7D
		16QAM	3745.0 - 3935.0	0.238	23.76	87M8W7D
	80 MHz	$\pi/2$ BPSK	3740.0 - 3940.0	0.287	24.58	77M3G7D
		QPSK	3740.0 - 3940.0	0.298	24.74	77M7G7D
		16QAM	3740.0 - 3940.0	0.240	23.80	77M6W7D
	70 MHz	$\pi/2$ BPSK	3735.0 - 3945.0	0.298	24.74	64M7G7D
		QPSK	3735.0 - 3945.0	0.310	24.91	67M7G7D
		16QAM	3735.0 - 3945.0	0.251	24.00	67M6W7D
	60 MHz	$\pi/2$ BPSK	3730.0 - 3950.0	0.296	24.71	58M1G7D
		QPSK	3730.0 - 3950.0	0.312	24.93	58M0G7D
		16QAM	3730.0 - 3950.0	0.250	23.97	58M2W7D
	50 MHz	$\pi/2$ BPSK	3725.0 - 3955.0	0.295	24.69	46M0G7D
		QPSK	3725.0 - 3955.0	0.306	24.85	47M7G7D
		16QAM	3725.0 - 3955.0	0.245	23.88	47M6W7D
	40 MHz	$\pi/2$ BPSK	3720.0 - 3960.0	0.291	24.64	36M0G7D
		QPSK	3720.0 - 3960.0	0.302	24.79	38M1G7D
		16QAM	3720.0 - 3960.0	0.244	23.87	38M0W7D
	30 MHz	$\pi/2$ BPSK	3715.0 - 3965.0	0.289	24.60	27M1G7D
		QPSK	3715.0 - 3965.0	0.300	24.77	28M1G7D
		16QAM	3715.0 - 3965.0	0.241	23.82	28M1W7D
	20 MHz	$\pi/2$ BPSK	3710.0 - 3970.0	0.285	24.55	18M0G7D
		QPSK	3710.0 - 3970.0	0.298	24.73	18M4G7D
		16QAM	3710.0 - 3970.0	0.237	23.75	18M4W7D
	15 MHz	$\pi/2$ BPSK	3707.5 - 3972.5	0.281	24.48	13M0G7D
		QPSK	3707.5 - 3972.5	0.294	24.68	13M7G7D
		16QAM	3707.5 - 3972.5	0.236	23.72	13M7W7D
	10 MHz	$\pi/2$ BPSK	3705.0 - 3975.0	0.280	24.46	8M71G7D
		QPSK	3705.0 - 3975.0	0.291	24.63	8M70G7D
		16QAM	3705.0 - 3975.0	0.233	23.67	8M67W7D

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 5 of 102

1.0 INTRODUCTION

1.1 Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Innovation, Science and Economic Development Canada.

1.2 Element Test Location

Measurements were conducted at the Element laboratory(ies) indicated in Section 1.3 below. All measurement facilities are compliant with the test site requirements specified in ANSI C63.4:2014 and KDB 414788 D01 v01r01.

1.3 Test Facility / Accreditations

Measurements were performed at Element lab located in Columbia, MD 21046, U.S.A.

- Element Washington DC LLC is an ISO 17025-2017 accredited test facility under the American Association for Laboratory Accreditation (A2LA) with Certificate number 2041.01 for Specific Absorption Rate (SAR), Hearing Aid Compatibility (HAC) testing, where applicable, and Electromagnetic Compatibility (EMC) testing for FCC and Innovation, Science, and Economic Development Canada rules.
- Element Washington DC LLC TCB is a Telecommunication Certification Body (TCB) accredited to ISO/IEC 17065-2012 by A2LA (Certificate number 2041.03) in all scopes of FCC Rules and ISED Standards (RSS).
- Element Washington DC LLC facility is a registered test laboratory with the site description on file with ISED (Wireless Test Lab number 2451B) and FCC (Designation Number US1113).
- Element Washington DC LLC is a Recognized U.S. Certification Assessment Body (CAB # US0110) for ISED Canada as designated by NIST under the U.S. and Canada Mutual Recognition Agreements (MRAs).

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 6 of 102

2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the **Samsung Portable Handset FCC ID: A3LSMS942B**. The test data contained in this report pertains only to the emissions due to the EUT's licensed transmitters that operate under the provisions of Part 27.

Test Device Serial No.: 3281M, 3298M, 3278M, 3274M

2.2 Device Capabilities

This device contains the following capabilities:

850/1900 GSM/GPRS/EDGE, 850/1700/1900 WCDMA/HSPA, Multi-band LTE, Multi-band 5G NR (FR1), 802.11b/g/n/ac/ax/be WLAN, 802.11a/n/ac/ax/be UNII (5GHz and 6GHz), Bluetooth (1x, EDR, LE), NFC, Wireless Power Transfer

This device can transmit in the 5G NR Band n77 band over three separate antennas labelled SRS-1, SRS-2, and SRS-3. With SRS operations, any of these three antennas can transmit an SRS signal to check the channel quality for transmission in the n77 Band. However, these antennas cannot simultaneously transmit and only the SRS-1 antenna is capable of data transmission. The test data is marked to indicate the specific antenna transmitting in the n77 band.

Antenna SRS-Label	Alternate Label
NR Band n77 – SRS-1	Ant C
NR Band n77 – SRS-2	Ant H
NR Band n77 – SRS-3	Ant D

Table 2-1. Antenna Labelling Scheme Correlation

Band	Ant1	Ant2	Ant3	Ant4
NR Band n77	Ant F	Ant C	Ant H	Ant D

Table 2-2. Antenna Report Naming Convention

2.3 Test Configuration

The EUT was tested per the guidance of ANSI C63.26:2015. See Section 7.0 of this test report for a description of the radiated and antenna port conducted emissions tests.

This device supports wireless charging capability and, thus, is subject to the test requirements of KDB 648474 D03 v01r04. Additional radiated spurious emission measurements were performed with the EUT lying flat on an authorized wireless charging pad (WCP) Model: EP-2400 while operating under normal conditions in a simulated call or data transmission configuration. The worst case radiated emissions data is shown in this report.

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 7 of 102

2.4 Duty Cycle Information

For all 5G NR and LTE operations in FDD mode, the EUT duty cycle was set to 100%.

For 5G NR operations, the EUT was set to transmit either via a Factory Test Mode (FTM) software provided by the manufacturer or in an online mode. The EUT duty cycle was set to 100% in all cases during FTM operation. During online operation the EUT duty cycle was set to an operational max using a callbox, where the max duty cycle was determined to be 20.0%. Gated and triggered measurement settings were used in this case. SRS and UL-MIMO operations were conducted using FTM while all other cases were conducted in an online mode.

For LTE TDD operation, a call box was used to force maximum transmission for each band. For LTE TDD bands, the maximum duty cycle is 63.3% for PC3 and 43.3% for PC2.

2.5 Software and Firmware

Testing was performed on device(s) using software/firmware version S942BXXU0AYI8 installed on the EUT.

2.6 EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and no modifications were made during testing.

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 8 of 102

3.0 DESCRIPTION OF TESTS

3.1 Evaluation Procedure

The measurement procedures described in the “American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services” (ANSI C63.26:2015) were used in the measurement of the EUT.

Deviation from Measurement Procedure.....None

3.2 Radiated Power and Radiated Spurious Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. The test site inside the chamber is a 6m x 5.2m elliptical, obstruction-free area in accordance with Figure 5.7 of Clause 5 in ANSI C63.4:2014. Absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections for measurements above 1GHz. For measurements below 1GHz, the absorbers are removed. A raised turntable is used for radiated measurement. The turn table is a continuously rotatable, remote-controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An 80cm tall test table made of Styrodur is placed on top of the turn table. A Styrodur pedestal is placed on top of the test table to bring the total table height to 1.5m.

The equipment under test was transmitting while connected to its integral antenna and is placed on a turntable 3 meters from the receive antenna. The receive antenna height is adjusted between 1 and 4 meter height, the turntable is rotated through 360 degrees, and the EUT is manipulated through all orthogonal planes representative of its typical use to achieve the highest reading on the receive spectrum analyzer.

For radiated power measurements, substitution method is used per the guidance of ANSI C63.26:2015. For emissions below 1GHz, a half-wave dipole is substituted in place of the EUT. For emissions above 1GHz, a horn antenna is substituted in place of the EUT. The substitute antenna is driven by a signal generator with the level of the signal generator being adjusted to obtain the same receive spectrum analyzer level previously recorded from the spurious emission from the EUT. The power of the emission is calculated using the following formula:

$$P_d \text{ [dBm]} = P_g \text{ [dBm]} - \text{cable loss [dB]} + \text{antenna gain [dBd/dBi]};$$

where P_d is the dipole equivalent power, P_g is the generator output into the substitution antenna, and the antenna gain is the gain of the substitute antenna used relative to either a half-wave dipole (dBd) or an isotropic source (dBi). The substitute level is equal to $P_g \text{ [dBm]} - \text{cable loss [dB]}$.

For radiated spurious emissions measurements, the field strength conversion method is used per the formulas in Section 5.2.7 of ANSI C63.26:2015. Field Strength (EIRP) is calculated using the following formulas:

$$E_{\text{[dB}\mu\text{V/m]}} = \text{Measured amplitude level}_{\text{[dBm]}} + 107 + \text{Cable Loss}_{\text{[dB]}} + \text{Antenna Factor}_{\text{[dB/m]}}$$

And

$$\text{EIRP}_{\text{[dBm]}} = E_{\text{[dB}\mu\text{V/m]}} + 20\log D - 104.8; \text{ where } D \text{ is the measurement distance in meters.}$$

All radiated measurements are performed in a chamber that meets the site requirements per ANSI C63.4:2014. Additionally, radiated emissions below 30MHz are also validated on an Open Area Test Site to assert correlation with the chamber measurements per the requirements of KDB 414788 D01 v01r01.

Radiated power and radiated spurious emission levels are investigated with the receive antenna horizontally and vertically polarized per ANSI C63.26:2015.

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 9 of 102

4.0 MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4:2014. All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95% level of confidence. The measurement uncertainty shown below meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Contribution	Expanded Uncertainty ($\pm$ dB)
Conducted Bench Top Measurements	1.13
Radiated Disturbance (<1GHz)	4.98
Radiated Disturbance (>1GHz)	5.07
Radiated Disturbance (>18GHz)	5.09

Table 4-1. Measurement Uncertainty Budget

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 10 of 102

5.0 TEST EQUIPMENT CALIBRATION DATA

Test Equipment Calibration is traceable to the National Institute of Standards and Technology (NIST). Measurements antennas used during testing were calibrated in accordance to the requirements of ANSI C63.5-2017.

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
-	MD 1M 40	EMC Cable and Switch System	2/25/2025	Annual	2/25/2026	MD 1M 40
-	AP1-002	EMC Cable and Switch System	2/25/2025	Annual	2/25/2026	AP1-002
-	ETS-001	EMC Cable and Switch System	12/11/2025	Annual	2/25/2026	ETS-001
-	ETS-002	EMC Cable and Switch System	12/11/2025	Annual	2/25/2026	ETS-002
-	LTx1	Licensed Transmitter Cable Set	2/25/2025	Annual	2/25/2026	LTx1
-	LTx6-40	Licensed Transmitter Cable Set	2/25/2025	Annual	2/25/2026	LTx6-40
Agilent	N9038A	MXE EMI Receiver	11/10/2025	Annual	11/10/2026	MY51210133
Anritsu	MT8000A	Radio Communication Test Station	6/4/2025	Annual	6/4/2026	6261914237
Anritsu	MT8000A	Radio Communication Test Station	3/11/2025	Annual	3/11/2026	6272337439
EMCO	3115	Horn Antenna (1-18GHz)	9/6/2024	Biennial	9/6/2026	9704-5182
Espec	ESX-2CA	Environmental Chamber	11/20/2024	Biennial	11/20/2026	17620
ETS Lindgren	3117	1-18 GHz DRG Horn (Medium)	6/4/2025	Biennial	6/4/2027	125518
ETS-Lindgren	3116C	DRG Horn Antenna	4/22/2025	Biennial	4/22/2027	218893
Keysight Technologies	N9030B	PXA Signal Analyzer, Multi-touch	11/10/2025	Annual	11/10/2026	MY57141001
Rohde & Schwarz	FSW67	Signal / Spectrum Analyzer	5/12/2025	Annual	5/12/2026	103200
Rohde & Schwarz	ESW44	EMI Test Receiver 2Hz to 44 GHz	3/25/2025	Annual	3/25/2026	101716
Sunol	JB5	Bi-Log Antenna (30M - 5GHz)	9/11/2024	Biennial	9/11/2026	A051107
Sunol Sciences	DRH-118	Horn (Small)	2/13/2024	Biennial	2/13/2026	A042511

Table 5-1. Test Equipment Calibration Table

Notes:

- For equipment listed above that has a calibration date or calibration due date that falls within the test date range, care was taken to ensure that this equipment was used after the calibration date and before the calibration due date.
- Equipment with a calibration date of "N/A" shown in this list was not used to make direct calibrated measurements.

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 11 of 102

Component	Serial Number
Keysight Directional Coupler, Model: 87300C	55300398
Mini Circuits 6dB Attenuator, BW S6 2W263+	2105
MegaPhase Cable, Model: TM26-S1S1-30	20233001 004

Table 5-2. LTx1 Licensed Transmitter Cable Set

Component	Serial Number
Fairview Microwave Directional Coupler, FM2CP1122-10	2122
MCL 6dB Attenuator, Model: BW-K6 2W44+	2013
MegaPhase Cable, Model: TM40-K1K1-30	20233002 003

Table 5-3. LTx6-40 Conducted Cable Set Components

Component	Serial Number
MegaPhase Cable TM40-K1K1-30	20233002-004
UTIPLEX Cable, 64639	232063-001
Rohde & Schwarz Pre-amp TS-PR1840 18G-40G	9037.7670.02

Table 5-4. MD 1M 18-40 EMC Cable and Switch Components

Component	Serial Number
Sucoflex 106A Cable	501992
MegaPhase Cable N29-N1N1-324	20335606 001
Rohde & Schwarz SF Unit	102133
MiniCircuits Cable CBL-2FT-SMSM+	77745
MegaPhase Cable 10511-1	15034701 001
MiniCircuits Switch RC 2SPDT-A18	11703270 041
Sucoflex 104 Cable	320259/4
Sucoflex 104 Cable	321999/4
Sucoflex 104 Cable	321995/4

Table 5-5. AP1-002 EMC Cable and Switch Components

Component	Serial Number
Pasternack Cable RG214/U	111815
MegaPhase (CAGE 1GVT4) Cable GR18-N5N5-24	14042714 001

Table 5-6. ETS-001 EMC Cable and Switch Components

Component	Serial Number
MegaPhase (CAGE 1GVT4) Cable GR18-N5N5-24	14042714 001
MegaPhase (CAGE 1GVT4) Cable NC29-N1N1-324	20502201 001
Rohde & Schwarz SF Unit	102134
Minicircuits Cable CBL=0.5M-NMNM+	15440

Table 5-7. ETS-002 EMC Cable and Switch Components

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 12 of 102

6.0 SAMPLE EMISSION DESIGNATORS

QPSK Modulation

Emission Designator = 8M62G7D

LTE BW = 8.62 MHz

G = Phase Modulation

7 = Quantized/Digital Info

D = Data transmission, telemetry, telecommand

QAM Modulation

Emission Designator = 8M45W7D

LTE BW = 8.45 MHz

W = Amplitude/Angle Modulated

7 = Quantized/Digital Info

D = Data transmission, telemetry, telecommand

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 13 of 102

7.0 TEST RESULTS

7.1 Summary

Company Name: Samsung Electronics Co., Ltd.
 FCC ID: A3LSMS942B
 FCC Classification: PCS Licensed Transmitter Held to Ear (PCE)
 Mode(s): NR

Test Condition	Test Description	FCC Part Section(s)	Test Limit	Test Result	Reference
CONDUCTED	Transmitter Conducted Output Power	2.1046(a), 2.1046(c)	N/A	PASS	Section 7.2
	Occupied Bandwidth	2.1049(h)	N/A	PASS	Section 7.3
	Conducted Band Edge / Spurious Emissions (NR Band n77)	2.1051, 27.53(l), 27.53(n)	≤ -13 dBm / MHz	PASS	Sections 7.4, 7.5
	Peak-to-Average Ratio (NR Band n77)	27.50(j)(4), 27.50(k)(4)	≤ 13 dB	PASS	Section 7.6
	Frequency Stability	2.1055, 27.54	Fundamental emissions stay within authorized frequency block.	PASS	Section 7.9
RADIATED	Equivalent Isotropic Radiated Power (NR Band n77)	27.50(j)(3), 27.50(k)(3)	≤ 1 Watt EIRP	PASS	Section 7.7
	Radiated Spurious Emissions (NR Band n77)	2.1053, 27.53(l), 27.53(n)	≤ -13 dBm / MHz	PASS	Section 7.8

* The only transmitter output conducted powers included in this report are those where the Pmax value, per the tune-up document, is higher than any of the DSI power levels. For the remaining conducted power measurements, see the **RF Exposure Report**.

Table 7-1. Summary of Test Results

Notes:

- 1) All modes of operation and data rates were investigated. The test results shown in the following sections represent the worst case emissions.
- 2) The analyzer plots were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables, directional couplers, and attenuators used as part of the system to maintain a link between the call box and the EUT at all frequencies of interest.
- 3) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables, attenuators, and couplers.
- 4) All conducted emissions measurements are performed with automated test software to capture the corresponding plots necessary to show compliance. The measurement software utilized is EMC Software Tool v2.4.0.

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 14 of 102

7.2 Conducted Output Power Data

Test Overview

All emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

Test Procedure Used

ANSI C63.26:2015 – Section 5.2

Test Settings

1. Span = 2 x OBW to 3 x OBW
2. Detector = RMS
3. Trace mode = trace average for continuous emissions, max hold for pulse emissions
4. Sweep time = auto couple
5. The trace was allowed to stabilize
6. Please see test notes below for RBW and VBW settings

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

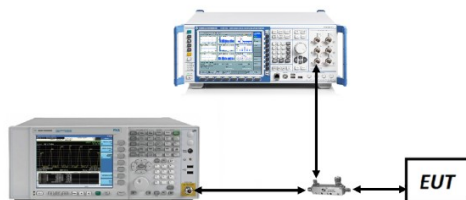


Figure 7-1. Test Instrument & Measurement Setup – Online Mode

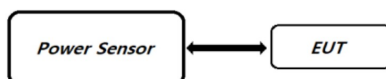


Figure 7-2. Test Instrument & Measurement Setup – FTM Mode

Test Notes

1. Conducted power measurements were evaluated using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device.
2. All other conducted power measurements are contained in the RF exposure report for this filing.
3. Conducted power was found to reduce for the higher order QAM modulations when compared to 16QAM. Due to this trend, only the worst-case QAM (16QAM) powers are included in this section.

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 15 of 102

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]	
100 MHz	$\pi/2$ BPSK	633334	3500.01	1 / 271	25.68	
		QPSK	633334	3500.01	1 / 271	25.68
		16-QAM	633334	3500.01	1 / 271	24.79
90 MHz	$\pi/2$ BPSK	633000	3495.00	1 / 243	25.76	
		633334	3500.01	1 / 243	25.82	
		633666	3504.99	1 / 243	25.88	
		633000	3495.00	1 / 243	25.77	
		633334	3500.01	1 / 243	25.83	
		633666	3504.99	1 / 243	25.90	
	QPSK	633000	3495.00	1 / 243	24.87	
		633334	3500.01	1 / 243	24.92	
		633666	3504.99	1 / 243	24.99	
		16-QAM	633334	3500.01	1 / 243	24.92
			633666	3504.99	1 / 243	24.99
			632668	3490.02	1 / 215	25.72
80 MHz	$\pi/2$ BPSK	633334	3500.01	1 / 215	25.82	
		634000	3510.00	1 / 215	25.78	
		632668	3490.02	1 / 215	25.67	
		QPSK	633334	3500.01	1 / 215	25.78
			634000	3510.00	1 / 215	25.75
			632668	3490.02	1 / 215	24.78
	16-QAM	633334	3500.01	1 / 215	24.92	
		634000	3510.00	1 / 215	24.88	
		632334	3485.01	1 / 1	25.87	
	70 MHz	$\pi/2$ BPSK	633334	3500.01	1 / 187	25.83
			634332	3514.98	1 / 187	25.95
			632334	3485.01	1 / 1	25.85
QPSK			633334	3500.01	1 / 187	25.81
			634332	3514.98	1 / 187	25.95
			632334	3485.01	1 / 1	24.97
16-QAM		633334	3500.01	1 / 187	24.92	
		634332	3514.98	1 / 187	25.06	
		632000	3480.00	1 / 1	25.78	
60 MHz		$\pi/2$ BPSK	633334	3500.01	1 / 160	25.72
			634666	3519.99	1 / 160	25.83
			632000	3480.00	1 / 1	25.76
	QPSK		633334	3500.01	1 / 160	25.72
			634666	3519.99	1 / 160	25.84
			632000	3480.00	1 / 1	24.87
	16-QAM	633334	3500.01	1 / 160	24.82	
		634666	3519.99	1 / 160	24.94	
		631668	3475.02	1 / 1	25.76	
	50 MHz	$\pi/2$ BPSK	633334	3500.01	1 / 131	25.60
			635000	3525.00	1 / 131	25.75
			631668	3475.02	1 / 1	25.75
QPSK			633334	3500.01	1 / 131	25.58
			635000	3525.00	1 / 131	25.74
			631668	3475.02	1 / 1	24.87
16-QAM		633334	3500.01	1 / 131	24.68	
		635000	3525.00	1 / 131	24.83	
		631334	3470.01	1 / 1	25.71	
40 MHz		$\pi/2$ BPSK	633334	3500.01	1 / 104	25.52
			635332	3529.98	1 / 104	25.79
			631334	3470.01	1 / 1	25.70
	QPSK		633334	3500.01	1 / 104	25.52
			635332	3529.98	1 / 104	25.79
			631334	3470.01	1 / 1	24.81
	16-QAM	633334	3500.01	1 / 104	24.61	
		635332	3529.98	1 / 104	24.87	
		631000	3465.00	1 / 1	25.69	
	30 MHz	$\pi/2$ BPSK	633334	3500.01	1 / 1	25.53
			635666	3534.99	1 / 76	25.83
			631000	3465.00	1 / 1	25.68
QPSK			633334	3500.01	1 / 1	25.51
			635666	3534.99	1 / 76	25.82
			631000	3465.00	1 / 1	24.80
16-QAM		633334	3500.01	1 / 1	24.61	
		635666	3534.99	1 / 76	24.93	
		630668	3460.02	1 / 1	25.60	
20 MHz		$\pi/2$ BPSK	633334	3500.01	1 / 1	25.44
			636000	3540.00	1 / 25	25.66
			630668	3460.02	1 / 1	25.58
	QPSK		633334	3500.01	1 / 1	25.43
			636000	3540.00	1 / 25	25.70
			630668	3460.02	1 / 1	24.69
	16-QAM	633334	3500.01	1 / 1	24.55	
		636000	3540.00	1 / 25	24.75	
		630500	3457.50	1 / 1	25.58	
	15 MHz	$\pi/2$ BPSK	633334	3500.01	1 / 1	25.41
			636166	3542.49	1 / 19	25.68
			630500	3457.50	1 / 1	25.58
QPSK			633334	3500.01	1 / 1	25.41
			636166	3542.49	1 / 19	25.68
			630500	3457.50	1 / 1	24.68
16-QAM		633334	3500.01	1 / 1	24.51	
		636166	3542.49	1 / 19	24.81	
		630334	3455.01	1 / 1	25.56	
10 MHz		$\pi/2$ BPSK	633334	3500.01	1 / 1	25.39
			636332	3544.98	1 / 12	25.72
			630334	3455.01	1 / 1	25.57
	QPSK		633334	3500.01	1 / 1	25.39
			636332	3544.98	1 / 1	25.71
			630334	3455.01	1 / 1	24.65
	16-QAM	633334	3500.01	1 / 1	24.48	
		636332	3544.98	1 / 12	24.86	
		630334	3455.01	1 / 1	24.65	

Table 7-2. Conducted Power Results – n77 – Ant1 – DoD Band

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 16 of 102

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	$\pi/2$ BPSK	633334	3500.01	1 / 1	22.27
	QPSK	633334	3500.01	1 / 1	22.33
	16-QAM	633334	3500.01	1 / 1	21.92

Table 7-3. Conducted Power Results – n77 – Ant2 – DoD Band

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	$\pi/2$ BPSK	633334	3500.01	1 / 271	24.59
	QPSK	633334	3500.01	1 / 271	24.56
	16-QAM	633334	3500.01	1 / 271	23.97

Table 7-4. Conducted Power Results – n77 – Ant3 – DoD Band

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	$\pi/2$ BPSK	633334	3500.01	1 / 1	20.75
	QPSK	633334	3500.01	1 / 1	20.56
	16-QAM	633334	3500.01	1 / 1	20.23

Table 7-5. Conducted Power Results – n77 – Ant4 – DoD Band

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 17 of 102

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	π/2 BPSK	650000	3750.00	1 / 1	25.59
		656000	3840.00	1 / 271	24.95
		662000	3930.00	1 / 1	24.85
	QPSK	650000	3750.00	1 / 1	25.58
		656000	3840.00	1 / 271	24.94
		662000	3930.00	1 / 1	24.85
	16-QAM	650000	3750.00	1 / 1	24.70
		656000	3840.00	1 / 271	24.04
		662000	3930.00	1 / 1	23.94
90 MHz	π/2 BPSK	649668	3745.02	1 / 1	25.55
		656000	3840.00	1 / 243	25.15
		662332	3934.98	1 / 243	24.72
	QPSK	649668	3745.02	1 / 1	25.54
		656000	3840.00	1 / 243	25.13
		662332	3934.98	1 / 243	24.71
	16-QAM	649668	3745.02	1 / 1	24.65
		656000	3840.00	1 / 243	24.24
		662332	3934.98	1 / 243	23.82
80 MHz	π/2 BPSK	649334	3740.01	1 / 1	25.59
		656000	3840.00	1 / 215	25.08
		662666	3939.99	1 / 1	24.77
	QPSK	649334	3740.01	1 / 1	25.58
		656000	3840.00	1 / 215	25.08
		662666	3939.99	1 / 1	24.77
	16-QAM	649334	3740.01	1 / 1	24.60
		656000	3840.00	1 / 215	24.18
		662666	3939.99	1 / 1	23.89
70 MHz	π/2 BPSK	649000	3735.00	1 / 1	25.75
		656000	3840.00	1 / 187	25.10
		663000	3945.00	1 / 1	24.96
	QPSK	649000	3735.00	1 / 1	25.75
		656000	3840.00	1 / 187	25.07
		663000	3945.00	1 / 1	24.97
	16-QAM	649000	3735.00	1 / 1	24.89
		656000	3840.00	1 / 187	24.22
		663000	3945.00	1 / 1	24.09
60 MHz	π/2 BPSK	648668	3730.02	1 / 1	25.72
		656000	3840.00	1 / 160	25.03
		663332	3949.98	1 / 1	24.86
	QPSK	648668	3730.02	1 / 1	25.77
		656000	3840.00	1 / 160	25.04
		663332	3949.98	1 / 1	24.85
	16-QAM	648668	3730.02	1 / 1	24.86
		656000	3840.00	1 / 160	24.15
		663332	3949.98	1 / 1	23.97
50 MHz	π/2 BPSK	648334	3725.01	1 / 1	25.70
		656000	3840.00	1 / 131	24.90
		663666	3954.99	1 / 66	24.74
	QPSK	648334	3725.01	1 / 1	25.69
		656000	3840.00	1 / 131	24.88
		663666	3954.99	1 / 66	24.68
	16-QAM	648334	3725.01	1 / 1	24.77
		656000	3840.00	1 / 131	24.00
		663666	3954.99	1 / 66	23.80
40 MHz	π/2 BPSK	648000	3720.00	1 / 1	25.65
		656000	3840.00	1 / 53	24.95
		664000	3960.00	1 / 53	24.79
	QPSK	648000	3720.00	1 / 1	25.63
		656000	3840.00	1 / 53	24.85
		664000	3960.00	1 / 53	24.80
	16-QAM	648000	3720.00	1 / 1	24.76
		656000	3840.00	1 / 104	23.95
		664000	3960.00	1 / 53	23.91
30 MHz	π/2 BPSK	647668	3715.02	1 / 1	25.61
		656000	3840.00	1 / 39	24.93
		664332	3964.98	1 / 39	24.80
	QPSK	647668	3715.02	1 / 1	25.61
		656000	3840.00	1 / 39	24.84
		664332	3964.98	1 / 39	24.75
	16-QAM	647668	3715.02	1 / 1	24.71
		656000	3840.00	1 / 1	23.95
		664332	3964.98	1 / 39	23.86
20 MHz	π/2 BPSK	647334	3710.01	1 / 1	25.56
		656000	3840.00	1 / 1	24.79
		664666	3969.99	1 / 1	24.68
	QPSK	647334	3710.01	1 / 1	25.57
		656000	3840.00	1 / 25	24.77
		664666	3969.99	1 / 1	24.66
	16-QAM	647334	3710.01	1 / 1	24.64
		656000	3840.00	1 / 1	23.88
		664666	3969.99	1 / 1	23.76
15 MHz	π/2 BPSK	647168	3707.52	1 / 1	25.49
		656000	3840.00	1 / 19	24.88
		664832	3972.48	1 / 1	24.67
	QPSK	647168	3707.52	1 / 1	25.52
		656000	3840.00	1 / 1	24.77
		664832	3972.48	1 / 1	24.60
	16-QAM	647168	3707.52	1 / 1	24.61
		656000	3840.00	1 / 1	23.86
		664832	3972.48	1 / 1	23.72
10 MHz	π/2 BPSK	647000	3705.00	1 / 1	25.47
		656000	3840.00	1 / 12	24.84
		664332	3975.00	1 / 1	24.71
	QPSK	647000	3705.00	1 / 1	25.47
		656000	3840.00	1 / 1	24.73
		664332	3975.00	1 / 1	24.46
	16-QAM	647000	3705.00	1 / 1	24.56
		656000	3840.00	1 / 1	23.82
		664332	3975.00	1 / 1	23.57

Table 7-6. Conducted Power Results – n77 – Ant1 – C-Band

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 18 of 102

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	π/2 BPSK	650000	3750.00	1 / 1	22.21
		656000	3840.00	1 / 271	21.75
		662000	3930.00	1 / 271	22.06
	QPSK	650000	3750.00	1 / 1	22.19
		656000	3840.00	1 / 271	21.71
		662000	3930.00	1 / 271	22.16
	16-QAM	650000	3750.00	1 / 1	21.79
		656000	3840.00	1 / 271	21.31
		662000	3930.00	1 / 271	21.70

Table 7-7. Conducted Power Results – n77 – Ant2 – C-Band

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	π/2 BPSK	650000	3750.00	1 / 136	25.41
		656000	3840.00	1 / 1	25.34
		662000	3930.00	1 / 271	24.94
	QPSK	650000	3750.00	1 / 136	25.40
		656000	3840.00	1 / 1	25.49
		662000	3930.00	1 / 271	24.96
	16-QAM	650000	3750.00	1 / 136	24.93
		656000	3840.00	1 / 1	24.94
		662000	3930.00	1 / 271	22.05

Table 7-8. Conducted Power Results – n77 – Ant3 – C-Band

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	π/2 BPSK	650000	3750.00	1 / 1	21.26
		656000	3840.00	1 / 271	21.08
		662000	3930.00	1 / 136	21.34
	QPSK	650000	3750.00	1 / 1	21.41
		656000	3840.00	1 / 271	21.02
		662000	3930.00	1 / 136	21.39
	16-QAM	650000	3750.00	1 / 1	20.65
		656000	3840.00	1 / 271	20.58
		662000	3930.00	1 / 136	21.13

Table 7-9. Conducted Power Results – n77 – Ant4 – C-Band

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset		Page 19 of 102

7.3 Occupied Bandwidth

Test Overview

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured. All modes of operation were investigated and the worst case configuration results are reported in this section.

Test Procedure Used

ANSI C63.26:2015 – Section 5.4.4

Test Settings

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth and the 26dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 – 5% of the expected OBW
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5% of the 99% occupied bandwidth observed in Step 7

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

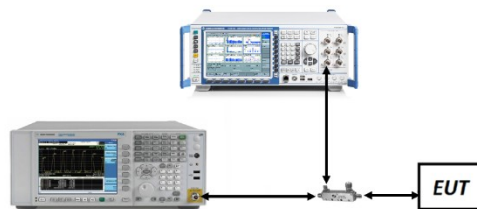


Figure 7-3. Test Instrument & Measurement Setup

Test Notes

None.

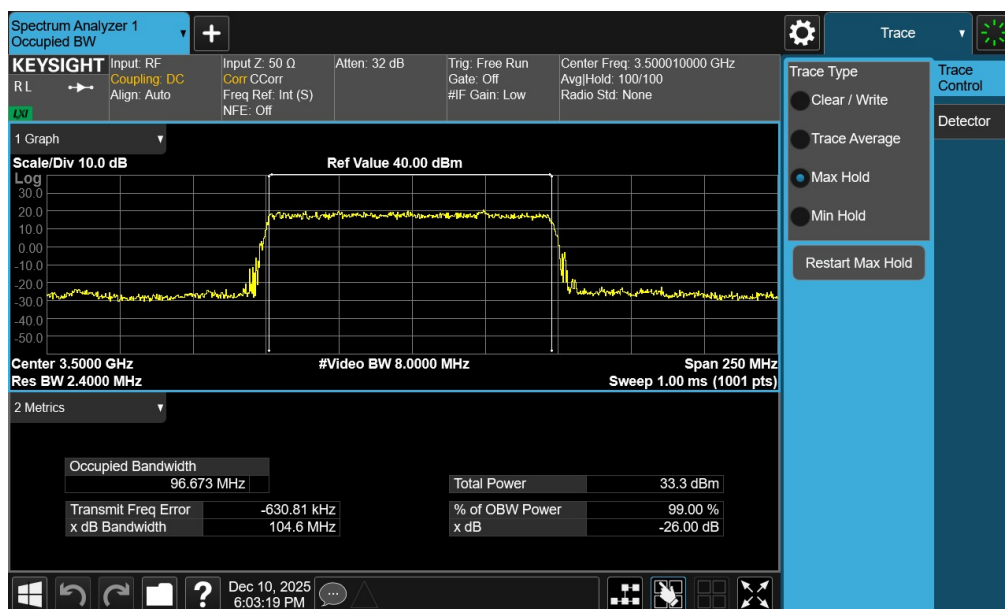
FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 20 of 102

Mode	Bandwidth	Modulation	OBW [MHz]
NR-n77PC2 DoD Band	100MHz	$\pi/2$ BPSK	96.673
		QPSK	97.579
		16QAM	97.539
	90MHz	$\pi/2$ BPSK	87.148
		QPSK	87.615
		16QAM	87.645
	80MHz	$\pi/2$ BPSK	77.471
		QPSK	77.627
		16QAM	77.629
	70MHz	$\pi/2$ BPSK	64.761
		QPSK	67.887
		16QAM	67.748
	60MHz	$\pi/2$ BPSK	58.339
		QPSK	58.065
		16QAM	58.107
	50MHz	$\pi/2$ BPSK	46.109
		QPSK	47.782
		16QAM	47.619
	40MHz	$\pi/2$ BPSK	36.041
		QPSK	38.052
		16QAM	38.089
	30MHz	$\pi/2$ BPSK	27.128
		QPSK	28.004
		16QAM	28.150
	20MHz	$\pi/2$ BPSK	18.120
		QPSK	18.388
		16QAM	18.405
	15MHz	$\pi/2$ BPSK	13.111
		QPSK	13.723
		16QAM	13.740
	10MHz	$\pi/2$ BPSK	8.743
		QPSK	8.730
		16QAM	8.709

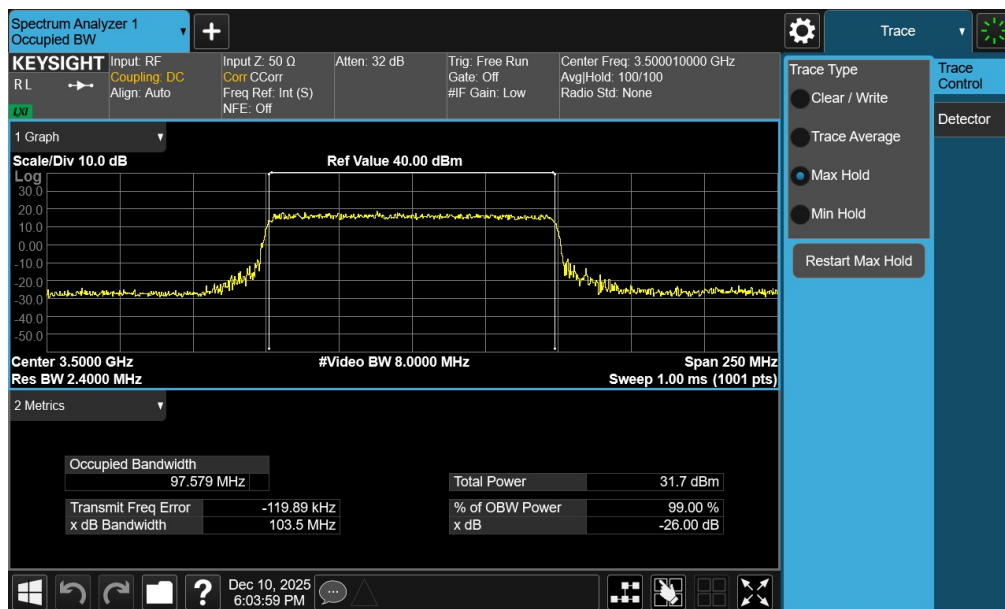
Table 7-10. Occupied Bandwidth Results - Ant1 - DoD Band

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 21 of 102

NR Band n77PC2 - Ant1 - DoD Band

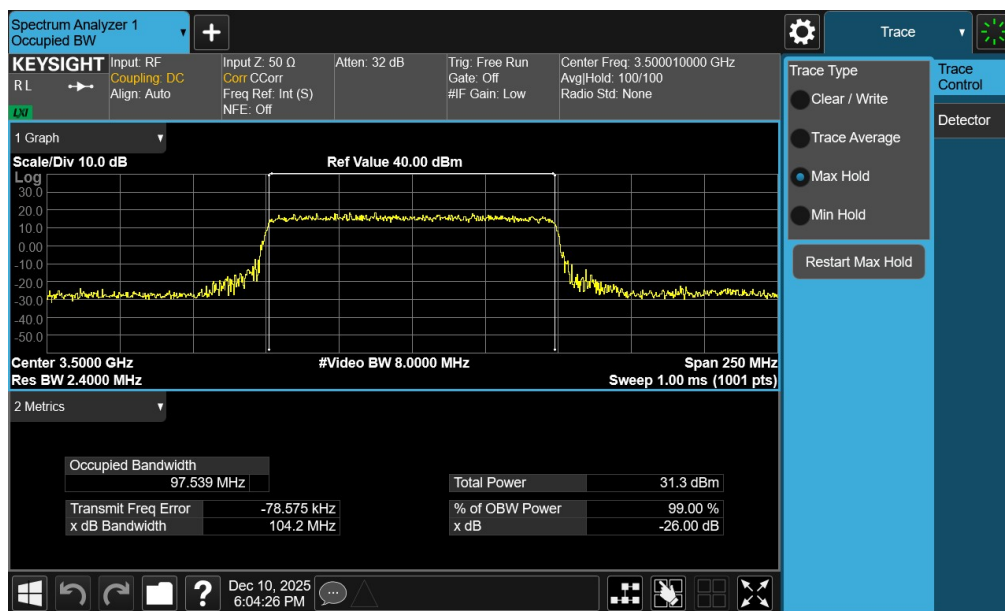


Plot 7-1. Occupied Bandwidth Plot (NR Band n77PC2 - 100MHz $\pi/2$ BPSK - Full RB - Ant1 - DoD Band)

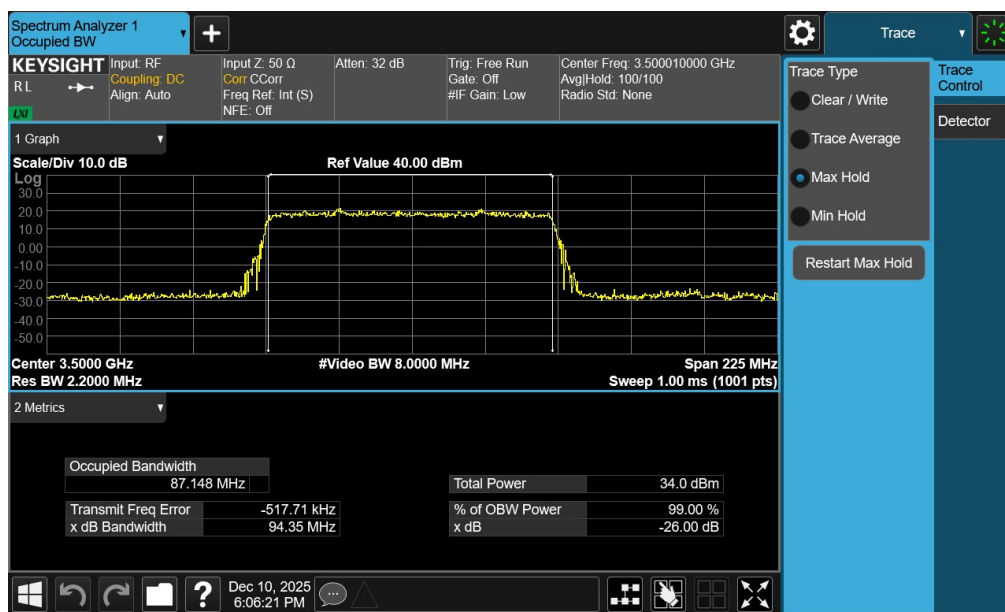


Plot 7-2. Occupied Bandwidth Plot (NR Band n77PC2 - 100MHz QPSK - Full RB - Ant1 - DoD Band)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 22 of 102

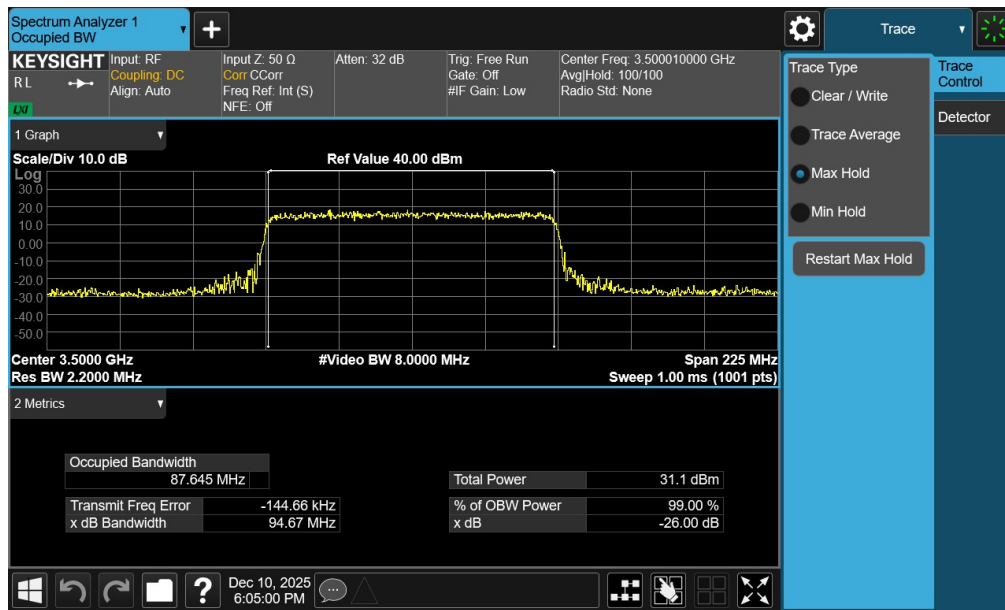
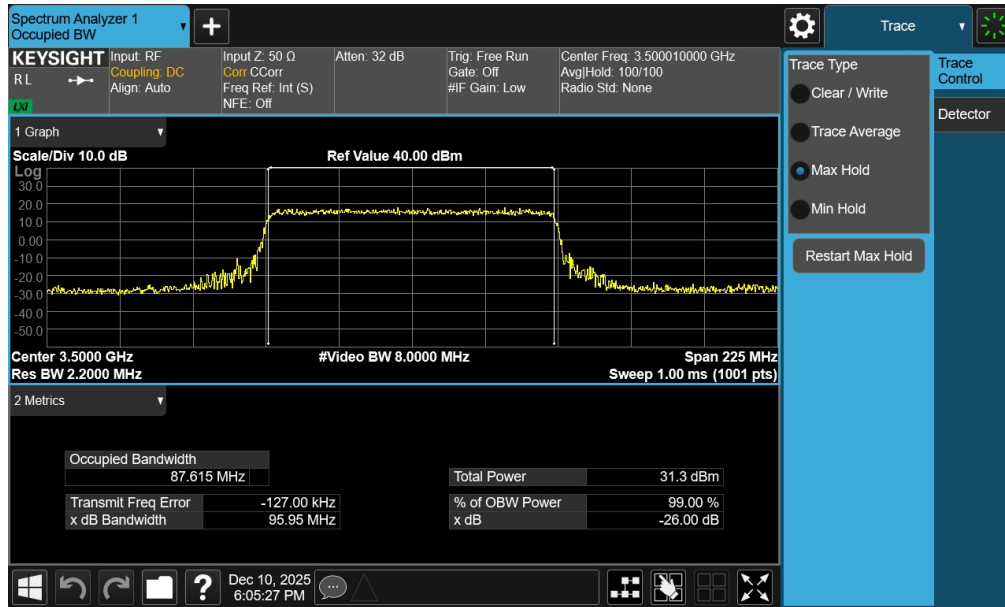


Plot 7-3. Occupied Bandwidth Plot (NR Band n77PC2 - 100MHz 16-QAM - Full RB - Ant1 - DoD Band)

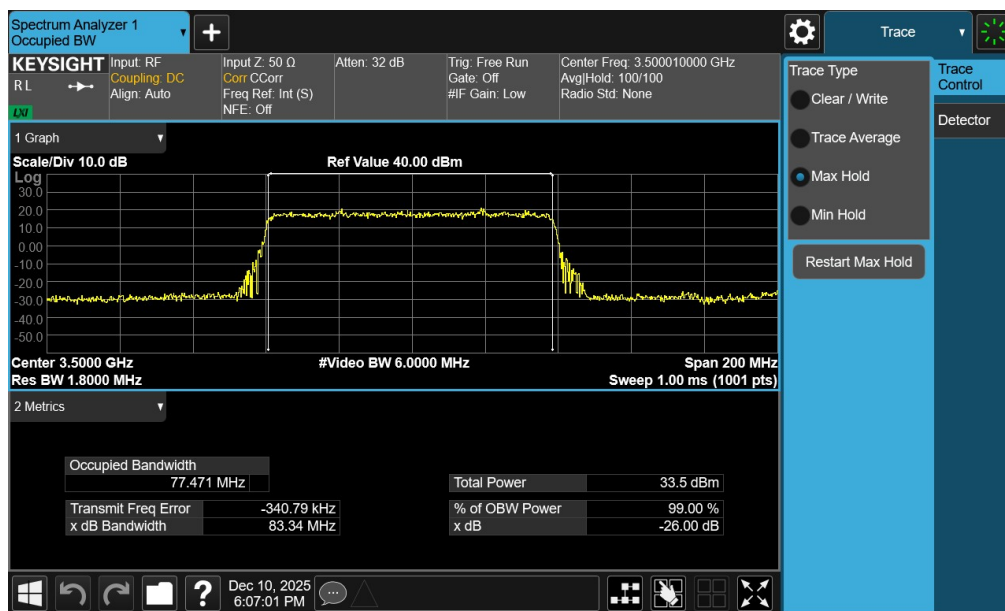


Plot 7-4. Occupied Bandwidth Plot (NR Band n77 - 90MHz $\pi/2$ BPSK - Full RB - Ant1 - DoD Band)

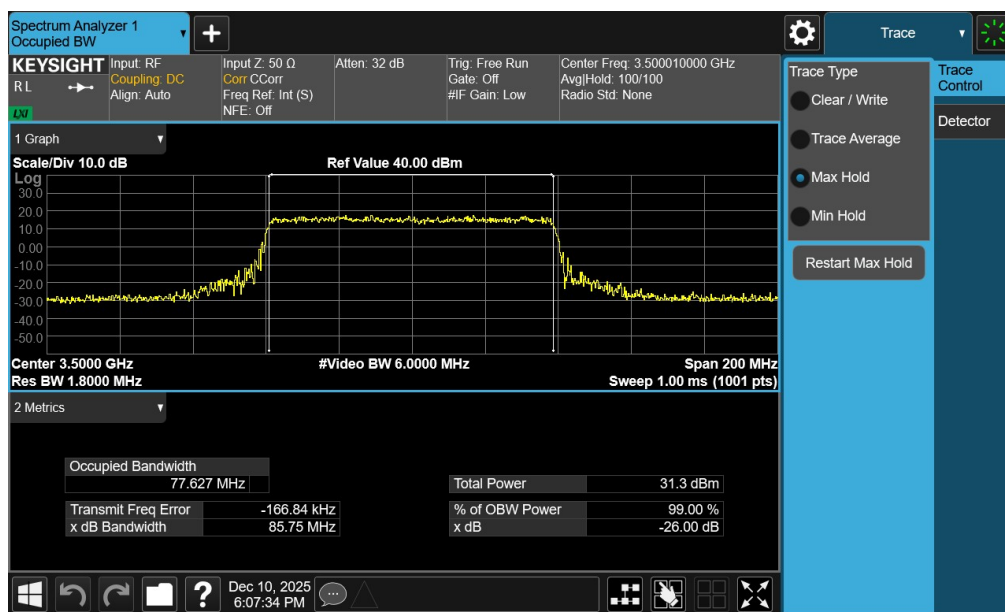
FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 23 of 102



FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 24 of 102

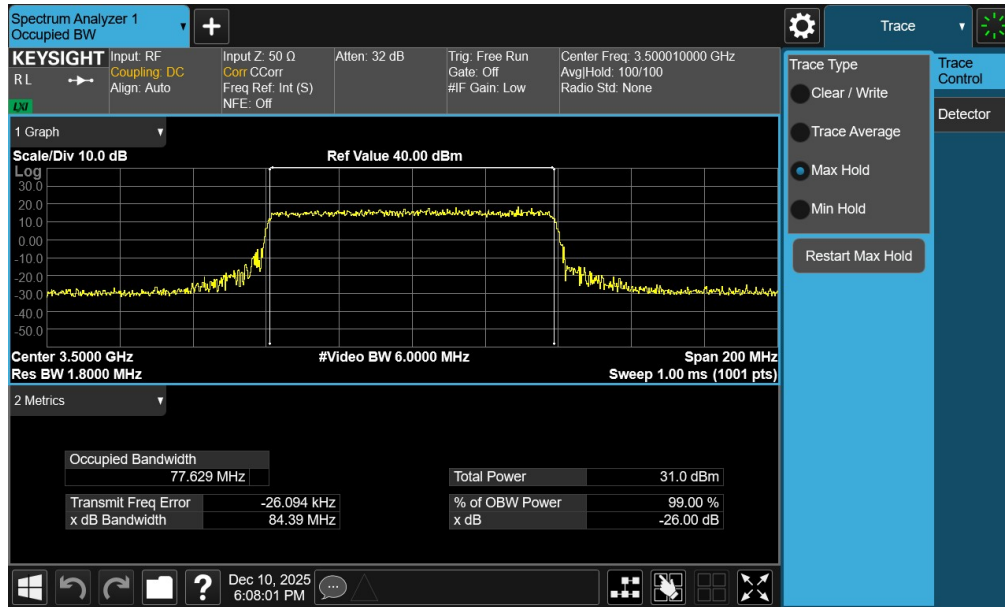


Plot 7-7. Occupied Bandwidth Plot (NR Band n77 - 80MHz $\pi/2$ BPSK - Full RB - Ant1 - DoD Band)

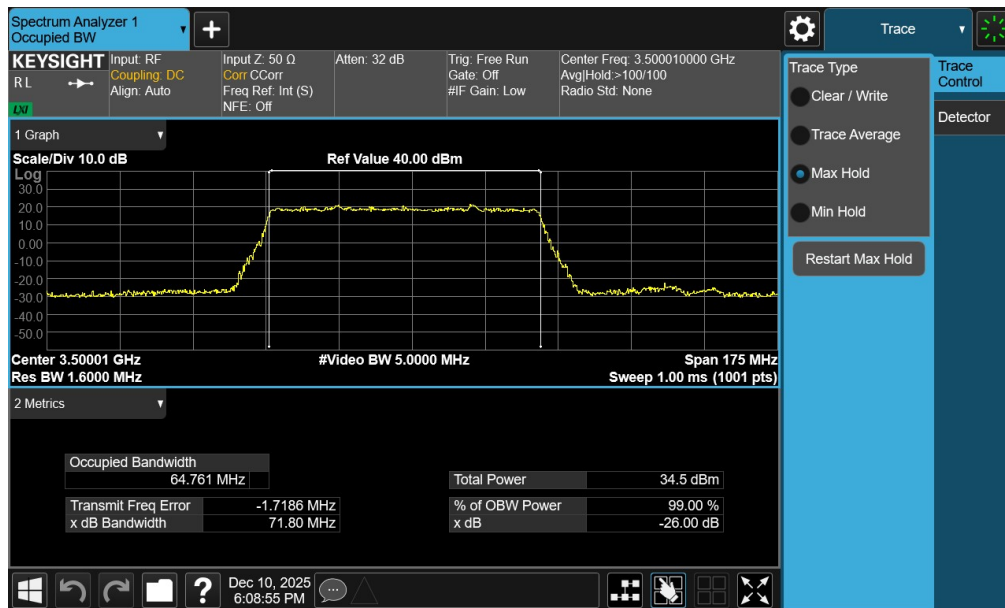


Plot 7-8. Occupied Bandwidth Plot (NR Band n77 - 80MHz QPSK - Full RB - Ant1 - DoD Band)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 25 of 102

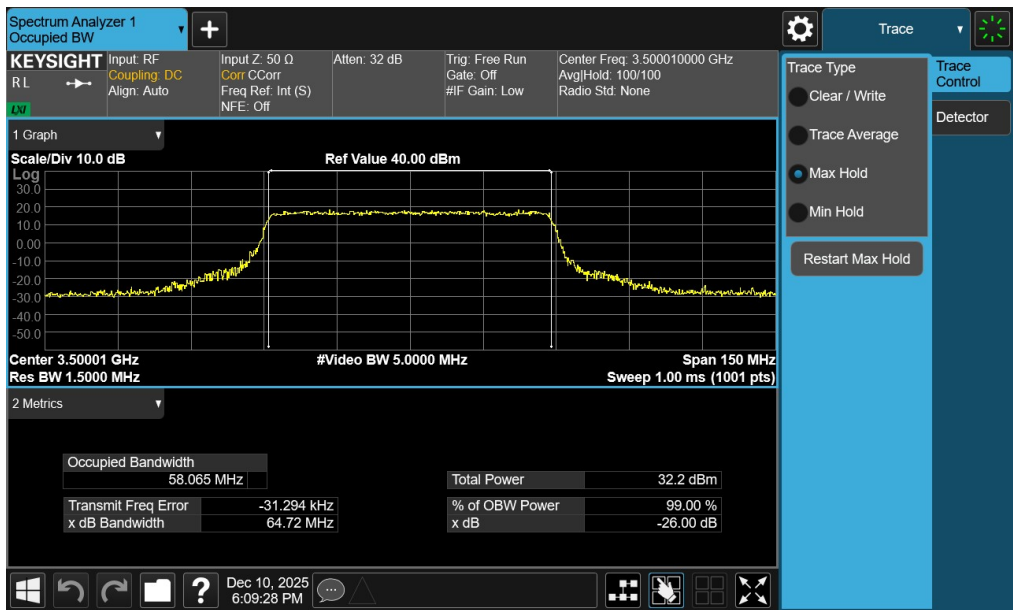
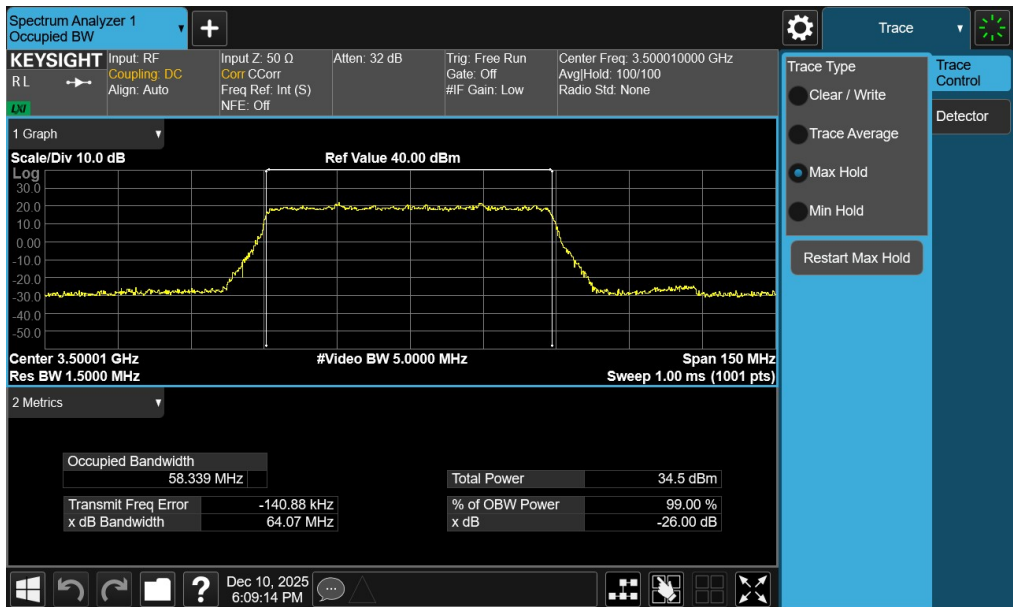


Plot 7-9. Occupied Bandwidth Plot (NR Band n77 - 80MHz 16-QAM - Full RB - Ant1 - DoD Band)



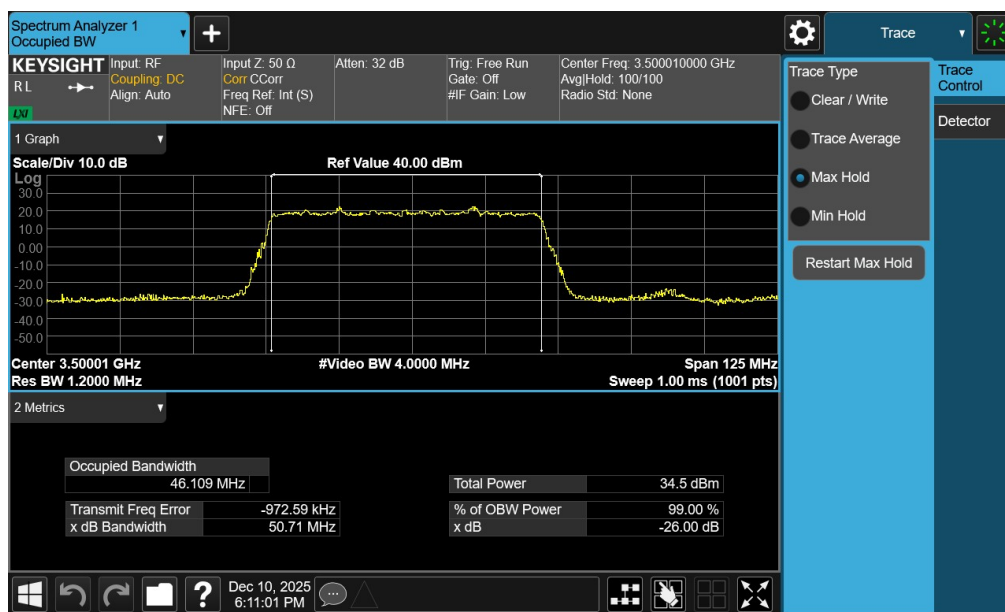
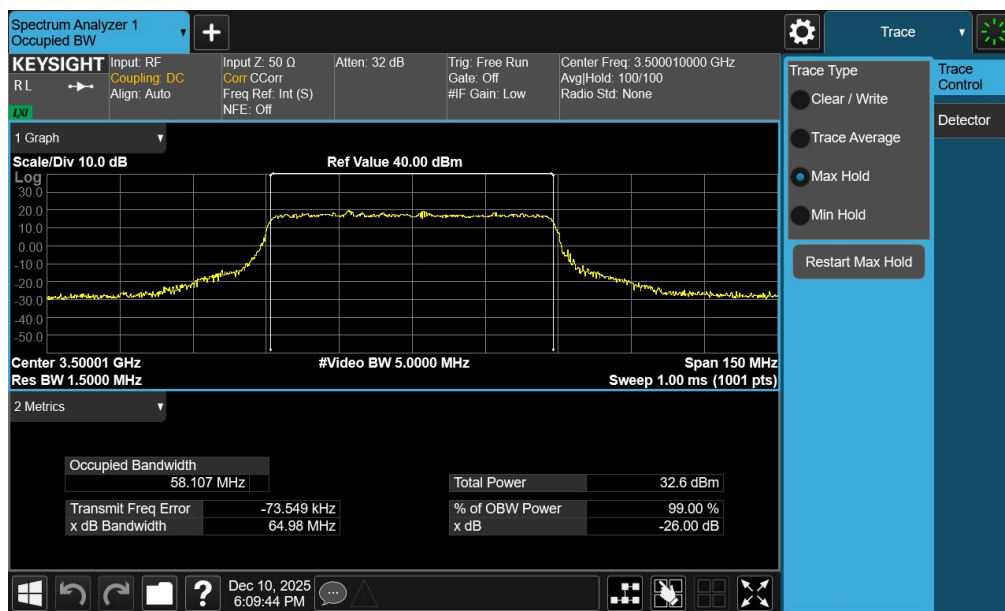
Plot 7-10. Occupied Bandwidth Plot (NR Band n77 - 70MHz $\pi/2$ BPSK - Full RB - Ant1 - DoD Band)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 26 of 102

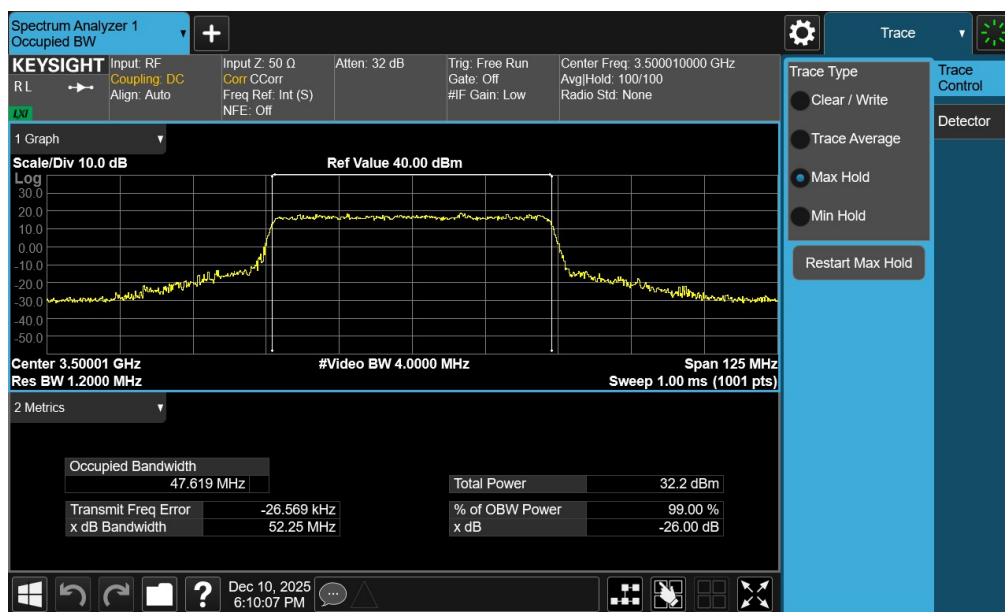
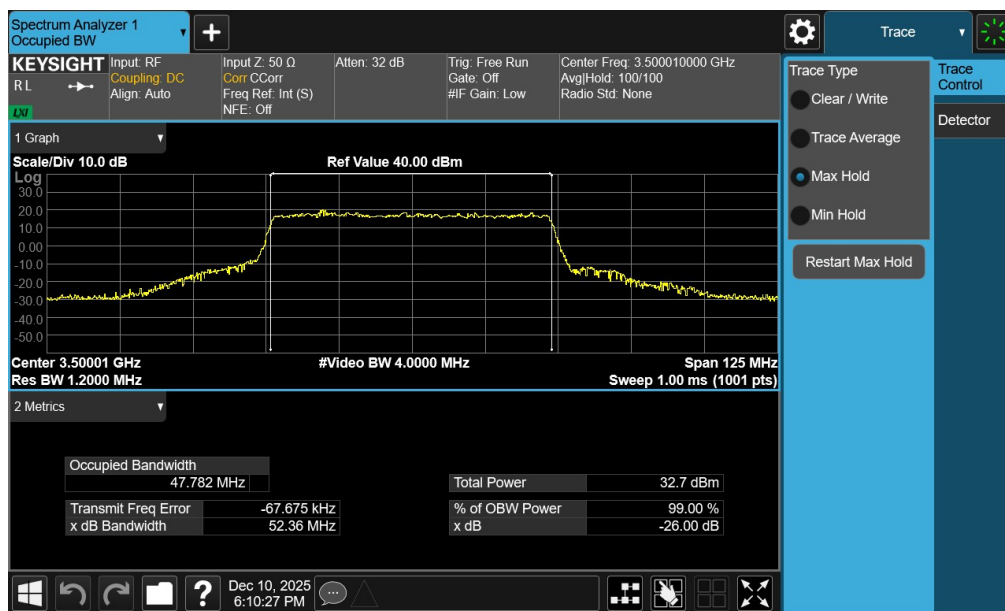


Plot 7-14. Occupied Bandwidth Plot (NR Band n77 - 60MHz QPSK - Full RB - Ant1 - DoD Band)

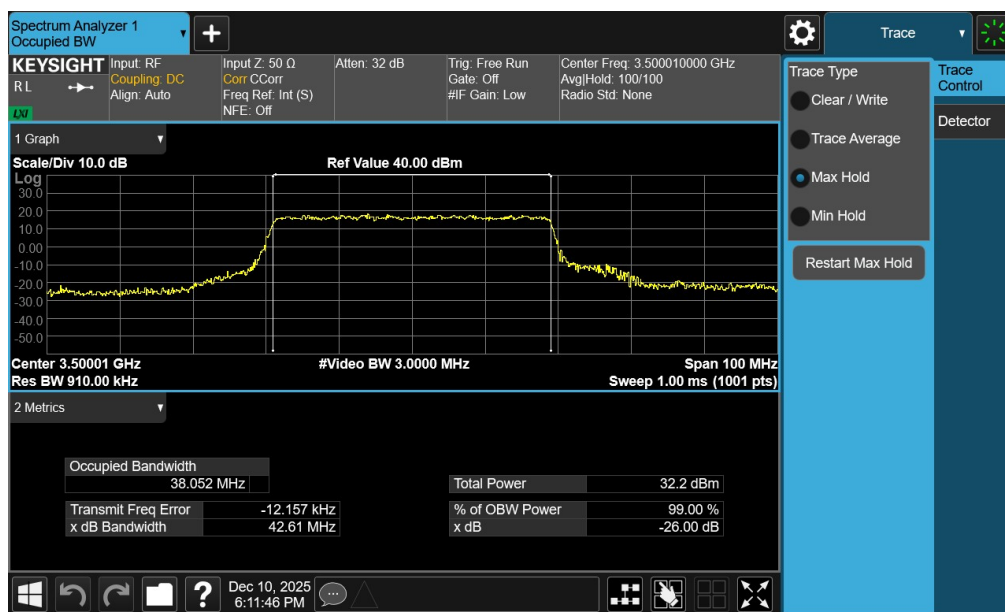
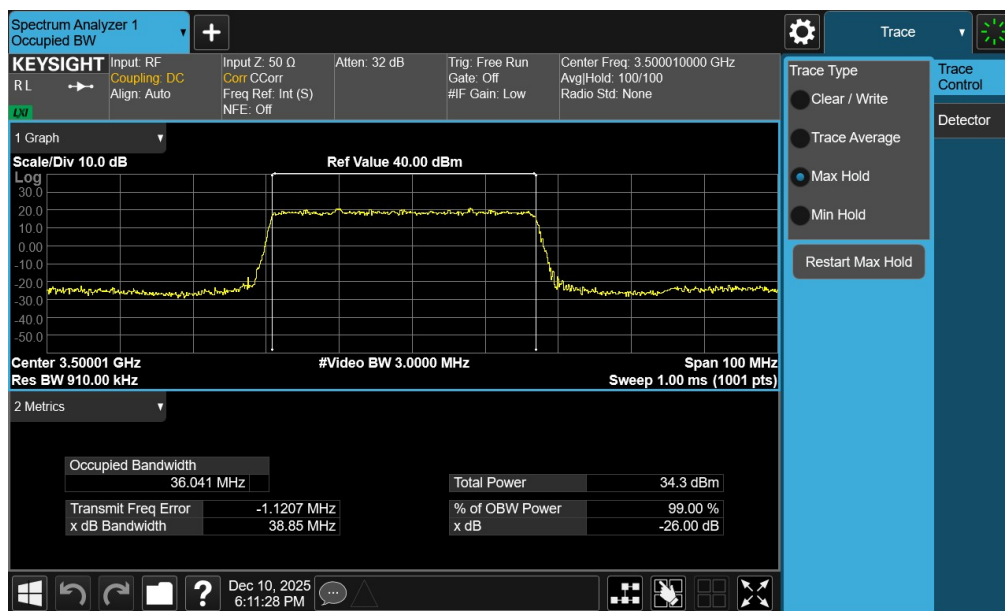
FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 28 of 102



FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 29 of 102

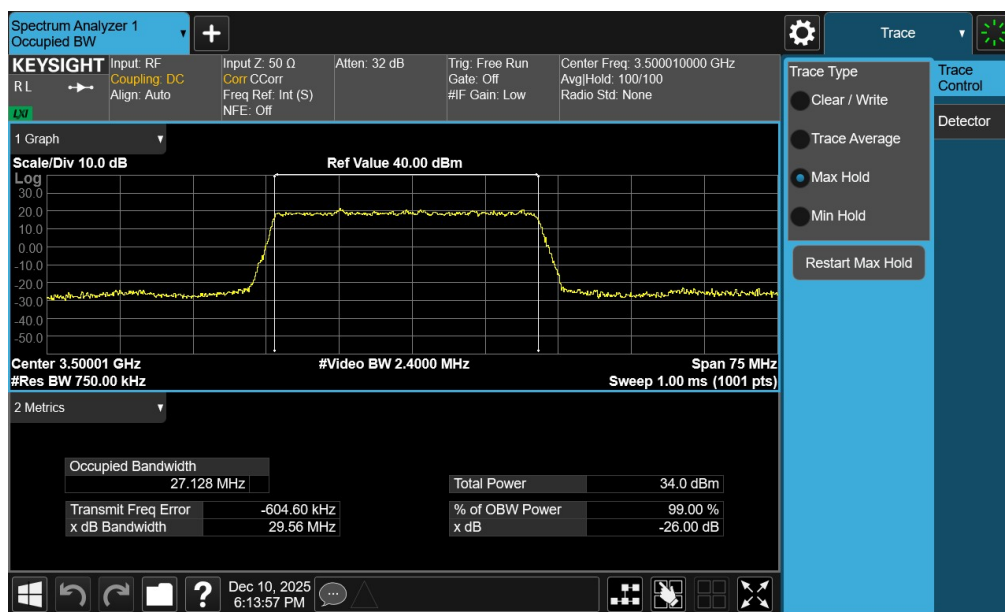
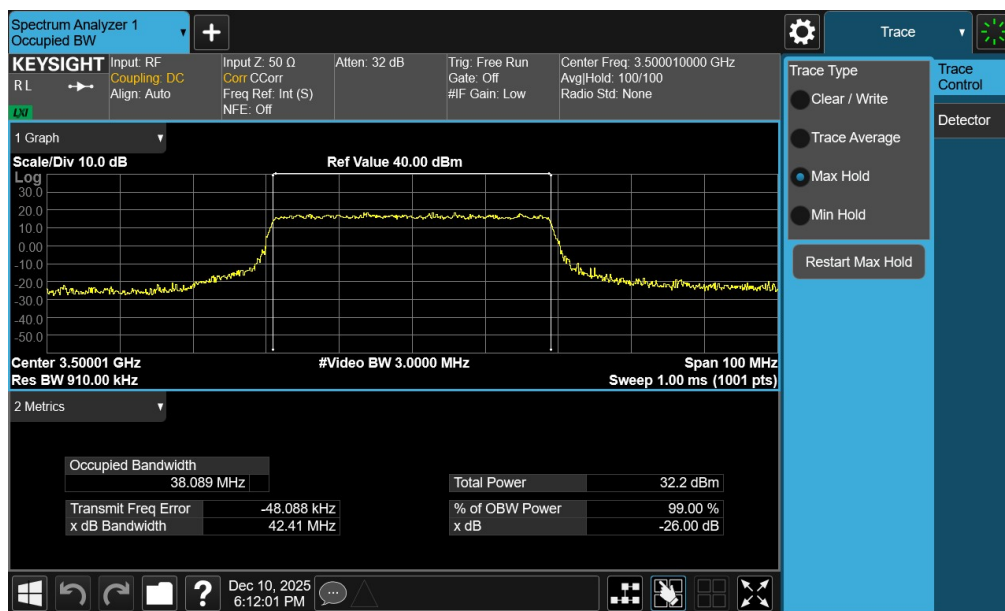


FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 30 of 102



Plot 7-20. Occupied Bandwidth Plot (NR Band n77 - 40MHz QPSK - Full RB - Ant1 - DoD Band)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 31 of 102



FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-10.A3L	Test Dates: 12/10/2025 - 12/24/2025	EUT Type: Portable Handset	Page 32 of 102