**PART 27 MEASUREMENT REPORT****Applicant Name:**

Apple Inc.
One Apple Park Way
Cupertino, CA 95014
United States

Date of Testing:

07/01/2025 - 10/31/2025

Test Report Issue Date:

1/16/2026

Test Site/Location:

Element Materials Technology, Morgan Hill, CA, USA

Test Report Serial No.:

1C2509100080-11-R3.BCG

FCC ID:

BCGA3460

Applicant Name:

Apple Inc.

Application Type:

Certification

Model:

A3460, A3463

EUT Type:

Tablet Device

FCC Classification:

PCS Licensed Transmitter (PCB)

FCC Rule Part:

27

Test Procedure(s):

ANSI C63.26-2015, TIA-603-E-2016, KDB 971168 D01
v03r01

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.

This revised Test Report (S/N: 1C2509100080-11-R3.BCG) supersedes and replaces the previously issued test report on the same subject device for the same type of testing as indicated. Please discard or destroy the previously issued test report(s) and dispose accordingly.

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



FCC ID: BCGA3460	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-11-R3.BCG	Test Dates: 07/01/2025 - 10/31/2025	EUT Type: Tablet Device
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Revision Summary

Revision	Date	Comments	Revised By
-	12/11/2025	Initial release	-
R1	12/17/2025	Addressed TCB Comments in Overview Table, section 5.0, 7.1, and 7.7	WKR0000007837
R2	12/23/2025	Addressed Client's Comments in section 2.6	WKR0000007837
R3	12/31/2025	Addressed TCB Comments in section 7.7	WKR0000007837

FCC ID: BCGA3460	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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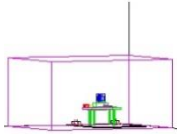
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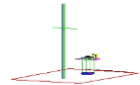
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Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	OBW [MHz]	PAR at 0.1% [dB]	EIRP		Emission Designator
						Max. Power [W]	Max. Power [dBm]	
NR Band n77 (PC2) (3450 - 3550MHz)	10 MHz	11/2 BPSK	3455.0 - 3545.0	8.5909	4.01	0.708	28.50	8M59G7W
		QPSK	3455.0 - 3545.0	8.6126	4.69	0.695	28.42	8M61G7W
		16QAM	3455.0 - 3545.0	8.6352	5.91	0.531	27.25	8M64D7W
		64QAM	3455.0 - 3545.0	8.5891	6.20	0.452	26.55	8M59D7W
	15 MHz	256QAM	3455.0 - 3545.0	8.6267	6.44	0.289	24.61	8M63D7W
		11/2 BPSK	3457.5 - 3542.5	12.9120	4.03	0.706	28.49	12M9G7W
		QPSK	3457.5 - 3542.5	13.6509	4.88	0.698	28.44	13M7G7W
		16QAM	3457.5 - 3542.5	13.6092	5.74	0.542	27.34	13M6D7W
	20 MHz	64QAM	3457.5 - 3542.5	13.5957	6.44	0.452	26.55	13M6D7W
		256QAM	3457.5 - 3542.5	13.6528	6.44	0.287	24.58	13M7D7W
		11/2 BPSK	3460.0 - 3540.0	17.8880	4.05	0.701	28.46	17M9G7W
		QPSK	3460.0 - 3540.0	18.2908	4.86	0.703	28.47	18M3G7W
	25 MHz	16QAM	3460.0 - 3540.0	18.2461	5.74	0.533	27.27	18M2D7W
		64QAM	3460.0 - 3540.0	18.3053	6.32	0.448	26.51	18M3D7W
		256QAM	3460.0 - 3540.0	18.2782	6.56	0.288	24.60	18M3D7W
		11/2 BPSK	3462.5 - 3537.5	22.9052	4.02	0.706	28.49	22M9G7W
	30 MHz	QPSK	3462.5 - 3537.5	23.2144	4.95	0.689	28.38	23M2G7W
		16QAM	3462.5 - 3537.5	23.2371	5.73	0.528	27.23	23M2D7W
		64QAM	3462.5 - 3537.5	23.2304	6.19	0.451	26.54	23M2D7W
		256QAM	3462.5 - 3537.5	23.2186	6.42	0.283	24.52	23M2D7W
	40 MHz	11/2 BPSK	3465.0 - 3535.0	26.8042	4.12	0.705	28.48	26M8G7W
		QPSK	3465.0 - 3535.0	27.9382	4.96	0.705	28.48	27M9G7W
		16QAM	3465.0 - 3535.0	27.9173	5.76	0.556	27.45	27M9D7W
		64QAM	3465.0 - 3535.0	27.8738	6.36	0.451	26.54	27M9D7W
	50 MHz	256QAM	3465.0 - 3535.0	27.9631	6.56	0.286	24.57	28M0D7W
		11/2 BPSK	3470.0 - 3530.0	35.8388	4.36	0.705	28.48	35M8G7W
		QPSK	3470.0 - 3530.0	37.8006	5.12	0.690	28.39	37M8G7W
		16QAM	3470.0 - 3530.0	37.9583	5.74	0.538	27.31	38M0D7W
	60 MHz	64QAM	3470.0 - 3530.0	37.9034	6.35	0.446	26.49	37M9D7W
		256QAM	3470.0 - 3530.0	38.0068	6.46	0.281	24.49	38M0D7W
		11/2 BPSK	3475.0 - 3525.0	45.8212	4.33	0.706	28.49	45M8G7W
		QPSK	3475.0 - 3525.0	47.5488	4.97	0.692	28.40	47M5G7W
	70 MHz	16QAM	3475.0 - 3525.0	47.5352	5.77	0.522	27.18	47M5D7W
		64QAM	3475.0 - 3525.0	47.5504	6.37	0.448	26.51	47M6D7W
		256QAM	3475.0 - 3525.0	47.5260	6.44	0.281	24.49	47M5D7W
		11/2 BPSK	3480.0 - 3520.0	57.8540	4.16	0.705	28.48	57M9G7W
	80 MHz	QPSK	3480.0 - 3520.0	57.9842	4.85	0.700	28.45	58M0G7W
		16QAM	3480.0 - 3520.0	57.8782	5.78	0.541	27.33	57M9D7W
		64QAM	3480.0 - 3520.0	58.0093	6.37	0.447	26.50	58M0D7W
		256QAM	3480.0 - 3520.0	57.9214	6.54	0.281	24.49	57M9D7W
	90 MHz	11/2 BPSK	3485.0 - 3515.0	64.3039	4.19	0.701	28.46	64M3G7W
		QPSK	3485.0 - 3515.0	67.6685	4.81	0.705	28.48	67M7G7W
		16QAM	3485.0 - 3515.0	67.6915	5.76	0.537	27.30	67M7D7W
		64QAM	3485.0 - 3515.0	67.5814	6.32	0.446	26.49	67M6D7W
	100 MHz	256QAM	3485.0 - 3515.0	67.5873	6.56	0.281	24.49	67M6D7W
		11/2 BPSK	3490.0 - 3510.0	77.0959	4.64	0.706	28.49	77M1G7W
		QPSK	3490.0 - 3510.0	77.7260	4.97	0.701	28.46	77M7G7W
		16QAM	3490.0 - 3510.0	77.3765	5.72	0.533	27.27	77M4D7W
	110 MHz	64QAM	3490.0 - 3510.0	77.5787	6.30	0.442	26.45	77M6D7W
		256QAM	3490.0 - 3510.0	77.6098	6.53	0.275	24.40	77M6D7W
		11/2 BPSK	3495.0 - 3505.0	86.8448	4.14	0.705	28.48	86M8G7W
		QPSK	3495.0 - 3505.0	87.5077	4.85	0.701	28.46	87M5G7W
	120 MHz	16QAM	3495.0 - 3505.0	87.8844	5.74	0.543	27.35	87M9D7W
		64QAM	3495.0 - 3505.0	87.7830	6.37	0.442	26.45	87M8D7W
		256QAM	3495.0 - 3505.0	87.4576	6.60	0.279	24.46	87M5D7W
		11/2 BPSK	3500	96.3363	4.70	0.703	28.47	96M3G7W
	130 MHz	QPSK	3500	97.3957	4.96	0.685	28.36	97M4G7W
		16QAM	3500	97.5429	5.75	0.535	27.28	97M5D7W
		64QAM	3500	97.5583	6.31	0.441	26.44	97M6D7W
		256QAM	3500	97.6758	6.61	0.279	24.45	97M7D7W

EUT Overview

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Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	OBW [MHz]	PAR at 0.1% [dB]	EIRP		Emission Designator
						Max. Power [W]	Max. Power [dBm]	
NR Band n77 (PC3) (3450 - 3550MHz)	10 MHz	$\pi/2$ BPSK	3455.0 - 3545.0	8.5909	4.01	0.585	27.67	8M59G7W
		QPSK	3455.0 - 3545.0	8.6126	4.69	0.574	27.59	8M61G7W
		16QAM	3455.0 - 3545.0	8.6352	5.91	0.438	26.41	8M64D7W
		64QAM	3455.0 - 3545.0	8.5891	6.20	0.376	25.75	8M59D7W
		256QAM	3455.0 - 3545.0	8.6267	6.44	0.237	23.74	8M63D7W
	15 MHz	$\pi/2$ BPSK	3457.5 - 3542.5	12.9120	4.03	0.571	27.57	12M9G7W
		QPSK	3457.5 - 3542.5	13.6509	4.88	0.582	27.65	13M7G7W
		16QAM	3457.5 - 3542.5	13.6092	5.74	0.456	26.59	13M6D7W
		64QAM	3457.5 - 3542.5	13.5957	6.44	0.368	25.66	13M6D7W
		256QAM	3457.5 - 3542.5	13.6528	6.44	0.233	23.67	13M7D7W
	20 MHz	$\pi/2$ BPSK	3460.0 - 3540.0	17.8880	4.05	0.573	27.58	17M9G7W
		QPSK	3460.0 - 3540.0	18.2908	4.86	0.583	27.66	18M3G7W
		16QAM	3460.0 - 3540.0	18.2461	5.74	0.466	26.68	18M2D7W
		64QAM	3460.0 - 3540.0	18.3053	6.32	0.363	25.60	18M3D7W
		256QAM	3460.0 - 3540.0	18.2782	6.56	0.234	23.70	18M3D7W
	25 MHz	$\pi/2$ BPSK	3462.5 - 3537.5	22.9052	4.02	0.574	27.59	22M9G7W
		QPSK	3462.5 - 3537.5	23.2144	4.95	0.568	27.54	23M2G7W
		16QAM	3462.5 - 3537.5	23.2371	5.73	0.444	26.47	23M2D7W
		64QAM	3462.5 - 3537.5	23.2304	6.19	0.370	25.68	23M2D7W
		256QAM	3462.5 - 3537.5	23.2186	6.42	0.236	23.72	23M2D7W
	30 MHz	$\pi/2$ BPSK	3465.0 - 3535.0	26.8042	4.12	0.566	27.53	26M8G7W
		QPSK	3465.0 - 3535.0	27.9382	4.96	0.570	27.56	27M9G7W
		16QAM	3465.0 - 3535.0	27.9173	5.76	0.462	26.65	27M9D7W
		64QAM	3465.0 - 3535.0	27.8738	6.36	0.364	25.61	27M9D7W
		256QAM	3465.0 - 3535.0	27.9631	6.56	0.228	23.57	28M0D7W
	40 MHz	$\pi/2$ BPSK	3470.0 - 3530.0	35.8388	4.36	0.573	27.58	35M8G7W
		QPSK	3470.0 - 3530.0	37.8006	5.12	0.562	27.50	37M8G7W
		16QAM	3470.0 - 3530.0	37.9583	5.74	0.439	26.42	38M0D7W
		64QAM	3470.0 - 3530.0	37.9034	6.35	0.367	25.65	37M9D7W
		256QAM	3470.0 - 3530.0	38.0068	6.46	0.232	23.65	38M0D7W
	50 MHz	$\pi/2$ BPSK	3475.0 - 3525.0	45.8212	4.33	0.570	27.56	45M8G7W
		QPSK	3475.0 - 3525.0	47.5488	4.97	0.558	27.47	47M5G7W
		16QAM	3475.0 - 3525.0	47.5352	5.77	0.438	26.41	47M5D7W
		64QAM	3475.0 - 3525.0	47.5504	6.37	0.372	25.71	47M6D7W
		256QAM	3475.0 - 3525.0	47.5260	6.44	0.233	23.67	47M5D7W
	60 MHz	$\pi/2$ BPSK	3480.0 - 3520.0	57.8540	4.16	0.568	27.54	57M9G7W
		QPSK	3480.0 - 3520.0	57.9842	4.85	0.571	27.57	58M0G7W
		16QAM	3480.0 - 3520.0	57.8782	5.78	0.451	26.54	57M9D7W
		64QAM	3480.0 - 3520.0	58.0093	6.37	0.363	25.60	58M0D7W
		256QAM	3480.0 - 3520.0	57.9214	6.54	0.228	23.57	57M9D7W
	70 MHz	$\pi/2$ BPSK	3485.0 - 3515.0	64.3039	4.19	0.571	27.57	64M3G7W
		QPSK	3485.0 - 3515.0	67.6685	4.81	0.565	27.52	67M7G7W
		16QAM	3485.0 - 3515.0	67.6915	5.76	0.445	26.48	67M7D7W
		64QAM	3485.0 - 3515.0	67.5814	6.32	0.364	25.61	67M6D7W
		256QAM	3485.0 - 3515.0	67.5873	6.56	0.230	23.62	67M6D7W
	80 MHz	$\pi/2$ BPSK	3490.0 - 3510.0	77.0959	4.64	0.569	27.55	77M1G7W
		QPSK	3490.0 - 3510.0	77.7260	4.97	0.574	27.59	77M7G7W
		16QAM	3490.0 - 3510.0	77.3765	5.72	0.437	26.40	77M4D7W
		64QAM	3490.0 - 3510.0	77.5787	6.30	0.355	25.50	77M6D7W
		256QAM	3490.0 - 3510.0	77.6098	6.53	0.228	23.57	77M6D7W
	90 MHz	$\pi/2$ BPSK	3495.0 - 3505.0	86.8448	4.14	0.569	27.55	86M8G7W
		QPSK	3495.0 - 3505.0	87.5077	4.85	0.562	27.50	87M5G7W
		16QAM	3495.0 - 3505.0	87.8844	5.74	0.438	26.41	87M9D7W
		64QAM	3495.0 - 3505.0	87.7830	6.37	0.354	25.49	87M8D7W
		256QAM	3495.0 - 3505.0	87.4576	6.60	0.228	23.57	87M5D7W
	100 MHz	$\pi/2$ BPSK	3500	96.3363	4.70	0.568	27.54	96M3G7W
		QPSK	3500	97.3957	4.96	0.561	27.49	97M4G7W
		16QAM	3500	97.5429	5.75	0.430	26.33	97M5D7W
		64QAM	3500	97.5583	6.31	0.351	25.45	97M6D7W
		256QAM	3500	97.6758	6.61	0.227	23.56	97M7D7W

EUT Overview

FCC ID: BCGA3460	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100080-11-R3.BCG	Test Dates: 07/01/2025 - 10/31/2025	EUT Type: Tablet Device	Page 5 of 258

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Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	OBW [MHz]	PAR at 0.1% [dB]	EIRP		Emission Designator
						Max. Power [W]	Max. Power [dBm]	
NR Band n77 (PC2) (3700 - 3980MHz)	10 MHz	$\pi/2$ BPSK	3705.0 - 3975.0	8.6273	4.03	0.778	28.91	8M63G7W
		QPSK	3705.0 - 3975.0	8.6091	4.68	0.789	28.97	8M61G7W
		16QAM	3705.0 - 3975.0	8.6427	5.87	0.592	27.72	8M64D7W
		64QAM	3705.0 - 3975.0	8.5992	6.21	0.507	27.05	8M60D7W
		256QAM	3705.0 - 3975.0	8.6313	6.54	0.325	25.12	8M63D7W
	15 MHz	$\pi/2$ BPSK	3707.5 - 3972.5	12.8683	4.08	0.773	28.88	12M9G7W
		QPSK	3707.5 - 3972.5	13.6317	4.89	0.776	28.90	13M6G7W
		16QAM	3707.5 - 3972.5	13.6252	5.78	0.622	27.94	13M6D7W
		64QAM	3707.5 - 3972.5	13.6103	6.44	0.500	26.99	13M6D7W
		256QAM	3707.5 - 3972.5	13.6116	6.55	0.321	25.06	13M6D7W
	20 MHz	$\pi/2$ BPSK	3710.0 - 3970.0	17.9407	4.15	0.782	28.93	17M9G7W
		QPSK	3710.0 - 3970.0	18.3660	4.89	0.776	28.90	18M4G7W
		16QAM	3710.0 - 3970.0	18.2555	5.76	0.605	27.82	18M3D7W
		64QAM	3710.0 - 3970.0	18.3199	6.32	0.497	26.96	18M3D7W
		256QAM	3710.0 - 3970.0	18.3022	6.62	0.322	25.08	18M3D7W
	25MHz	$\pi/2$ BPSK	3712.5 - 3967.5	22.6776	4.08	0.793	28.99	22M7G7W
		QPSK	3712.5 - 3967.5	23.1616	4.96	0.774	28.89	23M2G7W
		16QAM	3712.5 - 3967.5	23.2590	5.78	0.624	27.95	23M3D7W
		64QAM	3712.5 - 3967.5	23.2263	6.22	0.514	27.11	23M2D7W
		256QAM	3712.5 - 3967.5	23.1263	6.50	0.323	25.09	23M1D7W
	30MHz	$\pi/2$ BPSK	3715.0 - 3965.0	26.7040	4.16	0.780	28.92	26M7G7W
		QPSK	3715.0 - 3965.0	27.9645	4.92	0.793	28.99	28M0G7W
		16QAM	3715.0 - 3965.0	27.9705	5.75	0.598	27.77	28M0D7W
		64QAM	3715.0 - 3965.0	27.9356	6.30	0.502	27.01	27M9D7W
		256QAM	3715.0 - 3965.0	28.0356	6.59	0.316	24.99	28M0D7W
	40 MHz	$\pi/2$ BPSK	3720.0 - 3960.0	35.8944	4.08	0.780	28.92	35M9G7W
		QPSK	3720.0 - 3960.0	37.8960	4.88	0.783	28.94	37M9G7W
		16QAM	3720.0 - 3960.0	37.9611	5.65	0.593	27.73	38M0D7W
		64QAM	3720.0 - 3960.0	37.8479	6.20	0.495	26.95	37M8D7W
		256QAM	3720.0 - 3960.0	37.8433	6.44	0.313	24.96	37M8D7W
	50 MHz	$\pi/2$ BPSK	3725.0 - 3955.0	45.6952	4.13	0.771	28.87	45M7G7W
		QPSK	3725.0 - 3955.0	47.4657	4.63	0.774	28.89	47M5G7W
		16QAM	3725.0 - 3955.0	47.5524	5.60	0.594	27.74	47M6D7W
		64QAM	3725.0 - 3955.0	47.4750	6.14	0.500	26.99	47M5D7W
		256QAM	3725.0 - 3955.0	47.5309	6.37	0.314	24.97	47M5D7W
	60 MHz	$\pi/2$ BPSK	3730.0 - 3950.0	57.9097	3.62	0.780	28.92	57M9G7W
		QPSK	3730.0 - 3950.0	58.0858	4.42	0.794	29.00	58M1G7W
		16QAM	3730.0 - 3950.0	57.8198	5.56	0.578	27.62	57M8D7W
		64QAM	3730.0 - 3950.0	58.0719	6.01	0.488	26.88	58M1D7W
		256QAM	3730.0 - 3950.0	58.0637	6.37	0.308	24.88	58M1D7W
	70 MHz	$\pi/2$ BPSK	3735.0 - 3945.0	64.4588	3.87	0.764	28.83	64M5G7W
		QPSK	3735.0 - 3945.0	67.6878	4.40	0.783	28.94	67M7G7W
		16QAM	3735.0 - 3945.0	67.6001	5.60	0.601	27.79	67M6D7W
		64QAM	3735.0 - 3945.0	67.7836	6.01	0.488	26.88	67M8D7W
		256QAM	3735.0 - 3945.0	67.6005	6.36	0.306	24.86	67M6D7W
	80 MHz	$\pi/2$ BPSK	3740.0 - 3940.0	77.1619	4.08	0.771	28.87	77M2G7W
		QPSK	3740.0 - 3940.0	77.5460	4.29	0.766	28.84	77M5G7W
		16QAM	3740.0 - 3940.0	77.5657	5.64	0.597	27.76	77M6D7W
		64QAM	3740.0 - 3940.0	77.6113	5.97	0.491	26.91	77M6D7W
		256QAM	3740.0 - 3940.0	77.4054	6.29	0.310	24.92	77M4D7W
	90 MHz	$\pi/2$ BPSK	3745.0 - 3935.0	86.8595	4.26	0.769	28.86	86M9G7W
		QPSK	3745.0 - 3935.0	87.7084	4.38	0.760	28.81	87M7G7W
		16QAM	3745.0 - 3935.0	87.7652	5.77	0.579	27.63	87M8D7W
		64QAM	3745.0 - 3935.0	87.5276	6.23	0.483	26.84	87M5D7W
		256QAM	3745.0 - 3935.0	87.5562	6.36	0.305	24.84	87M6D7W
	100 MHz	$\pi/2$ BPSK	3750.0 - 3930.0	96.5094	3.68	0.767	28.85	96M5G7W
		QPSK	3750.0 - 3930.0	97.5701	4.37	0.780	28.92	97M6G7W
		16QAM	3750.0 - 3930.0	97.4547	5.92	0.605	27.82	97M5D7W
		64QAM	3750.0 - 3930.0	97.4625	6.28	0.489	26.89	97M5D7W
		256QAM	3750.0 - 3930.0	97.7395	6.39	0.308	24.89	97M7D7W

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Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	OBW [MHz]	PAR at 0.1% [dB]	EIRP		Emission Designator
						Max. Power [W]	Max. Power [dBm]	
NR Band n77 (PC3) (3700 - 3980MHz)	10 MHz	$\pi/2$ BPSK	3705.0 - 3975.0	8.6273	4.03	0.708	28.50	8M63G7W
		QPSK	3705.0 - 3975.0	8.6091	4.68	0.703	28.47	8M61G7W
		16QAM	3705.0 - 3975.0	8.6427	5.87	0.535	27.28	8M64D7W
		64QAM	3705.0 - 3975.0	8.5992	6.21	0.458	26.61	8M60D7W
		256QAM	3705.0 - 3975.0	8.6313	6.54	0.290	24.62	8M63D7W
	15 MHz	$\pi/2$ BPSK	3707.5 - 3972.5	12.8683	4.08	0.701	28.46	12M9G7W
		QPSK	3707.5 - 3972.5	13.6317	4.89	0.705	28.48	13M6G7W
		16QAM	3707.5 - 3972.5	13.6252	5.78	0.558	27.47	13M6D7W
		64QAM	3707.5 - 3972.5	13.6103	6.44	0.452	26.55	13M6D7W
		256QAM	3707.5 - 3972.5	13.6116	6.55	0.285	24.55	13M6D7W
	20 MHz	$\pi/2$ BPSK	3710.0 - 3970.0	17.9407	4.15	0.703	28.47	17M9G7W
		QPSK	3710.0 - 3970.0	18.3660	4.89	0.698	28.44	18M4G7W
		16QAM	3710.0 - 3970.0	18.2555	5.76	0.537	27.30	18M3D7W
		64QAM	3710.0 - 3970.0	18.3199	6.32	0.452	26.55	18M3D7W
		256QAM	3710.0 - 3970.0	18.3022	6.62	0.288	24.59	18M3D7W
	25MHz	$\pi/2$ BPSK	3712.5 - 3967.5	22.6776	4.08	0.705	28.48	22M7G7W
		QPSK	3712.5 - 3967.5	23.1616	4.96	0.697	28.43	23M2G7W
		16QAM	3712.5 - 3967.5	23.2590	5.78	0.545	27.36	23M3D7W
		64QAM	3712.5 - 3967.5	23.2263	6.22	0.457	26.60	23M2D7W
		256QAM	3712.5 - 3967.5	23.1263	6.50	0.289	24.61	23M1D7W
	30MHz	$\pi/2$ BPSK	3715.0 - 3965.0	26.7040	4.16	0.701	28.46	26M7G7W
		QPSK	3715.0 - 3965.0	27.9645	4.92	0.701	28.46	28M0G7W
		16QAM	3715.0 - 3965.0	27.9705	5.75	0.545	27.36	28M0D7W
		64QAM	3715.0 - 3965.0	27.9356	6.30	0.452	26.55	27M9D7W
		256QAM	3715.0 - 3965.0	28.0356	6.59	0.284	24.53	28M0D7W
	40 MHz	$\pi/2$ BPSK	3720.0 - 3960.0	35.8944	4.08	0.705	28.48	35M9G7W
		QPSK	3720.0 - 3960.0	37.8960	4.88	0.697	28.43	37M9G7W
		16QAM	3720.0 - 3960.0	37.9611	5.65	0.546	27.37	38M0D7W
		64QAM	3720.0 - 3960.0	37.8479	6.20	0.450	26.53	37M8D7W
		256QAM	3720.0 - 3960.0	37.8433	6.44	0.283	24.52	37M8D7W
	50 MHz	$\pi/2$ BPSK	3725.0 - 3955.0	45.6952	4.13	0.700	28.45	45M7G7W
		QPSK	3725.0 - 3955.0	47.4657	4.63	0.698	28.44	47M5G7W
		16QAM	3725.0 - 3955.0	47.5524	5.60	0.556	27.45	47M6D7W
		64QAM	3725.0 - 3955.0	47.4750	6.14	0.454	26.57	47M5D7W
		256QAM	3725.0 - 3955.0	47.5309	6.37	0.286	24.57	47M5D7W
	60 MHz	$\pi/2$ BPSK	3730.0 - 3950.0	57.9097	3.62	0.700	28.45	57M9G7W
		QPSK	3730.0 - 3950.0	58.0858	4.42	0.692	28.40	58M1G7W
		16QAM	3730.0 - 3950.0	57.8198	5.56	0.553	27.43	57M8D7W
		64QAM	3730.0 - 3950.0	58.0719	6.01	0.446	26.49	58M1D7W
		256QAM	3730.0 - 3950.0	58.0637	6.37	0.279	24.46	58M1D7W
	70 MHz	$\pi/2$ BPSK	3735.0 - 3945.0	64.4588	3.87	0.697	28.43	64M5G7W
		QPSK	3735.0 - 3945.0	67.6878	4.40	0.695	28.42	67M7G7W
		16QAM	3735.0 - 3945.0	67.6001	5.60	0.543	27.35	67M6D7W
		64QAM	3735.0 - 3945.0	67.7836	6.01	0.444	26.47	67M8D7W
		256QAM	3735.0 - 3945.0	67.6005	6.36	0.279	24.46	67M6D7W
	80 MHz	$\pi/2$ BPSK	3740.0 - 3940.0	77.1619	4.08	0.692	28.40	77M2G7W
		QPSK	3740.0 - 3940.0	77.5460	4.29	0.703	28.47	77M5G7W
		16QAM	3740.0 - 3940.0	77.5657	5.64	0.540	27.32	77M6D7W
		64QAM	3740.0 - 3940.0	77.6113	5.97	0.438	26.41	77M6D7W
		256QAM	3740.0 - 3940.0	77.4054	6.29	0.277	24.43	77M4D7W
	90 MHz	$\pi/2$ BPSK	3745.0 - 3935.0	86.8595	4.26	0.693	28.41	86M9G7W
		QPSK	3745.0 - 3935.0	87.7084	4.38	0.678	28.31	87M7G7W
		16QAM	3745.0 - 3935.0	87.7652	5.77	0.562	27.50	87M8D7W
		64QAM	3745.0 - 3935.0	87.5276	6.23	0.429	26.32	87M5D7W
		256QAM	3745.0 - 3935.0	87.5562	6.36	0.277	24.42	87M6D7W
	100 MHz	$\pi/2$ BPSK	3750.0 - 3930.0	96.5094	3.68	0.690	28.39	96M5G7W
		QPSK	3750.0 - 3930.0	97.5701	4.37	0.706	28.49	97M6G7W
		16QAM	3750.0 - 3930.0	97.4547	5.92	0.536	27.29	97M5D7W
		64QAM	3750.0 - 3930.0	97.4625	6.28	0.415	26.18	97M5D7W
		256QAM	3750.0 - 3930.0	97.7395	6.39	0.268	24.28	97M7D7W

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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 Materials Technology Test Location

These measurement tests were conducted at the Element Materials Technology facility located at 18855 Adams Court, Morgan Hill, CA 95037. The measurement facility is 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 Materials Technology

- Element Materials Technology is an ISO 17025-2017 accredited test facility under the American Association for Laboratory Accreditation (A2LA) with Certificate number 2041.02 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 Materials Technology facility is a registered (22831) test laboratory with the site description on file with ISED.
- 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).

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2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the **Apple Tablet Device FCC ID:BCGA3460**. 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.: DLXHK80008900013YP, DLXHK80008L00013YP, R926RLHV61, PGL4Y75C41, RQV54N773P

2.2 Device Capabilities

This device contains the following capabilities:

850/1700/1900 WCDMA/HSPA, Multi-band LTE, 5G NR (FR1), 802.11b/g/n/ax/be WLAN, 802.11a/n/ac/ax/be UNII (5GHz and 6GHz), 802.15.4, Bluetooth (1x, EDR, LE, HDR, HDT), Narrowband (NB) UNII (5GHz and 6GHz), WPT

This device supports BT Beamforming

This device supports channel puncturing and channel bandwidth reduction.

This device supports simultaneous transmission operations, which allows for multiple transmitters to transmit simultaneously on the same antenna. The table below shows all configurations possible.

Antenna	Simultaneous Tx Config	Bluetooth 2.4GHz	Thread	WLAN	NB UNII	WIFI 5GHz	WIFI 6GHz	LTE / FR1 NR		
		BDR, EDR, LE HDR, HDT	802.15.4	802.11 b/g/n/ax/be	BDR, EDR, LE HDR, HDT	802.11 a/n/ac/ax/be	802.11 a/ax/be	LB	MB/HB	UHB
Ant 1a	Config 1	✗	✗	✓	✗	✗	✗	✗	✓	✗
Ant 1a	Config 2	✗	✗	✓	✗	✗	✗	✗	✗	✓
Ant 1a	Config 3	✓	✗	✗	✗	✗	✗	✗	✓	✗
Ant 1a	Config 4	✓	✗	✗	✗	✗	✗	✗	✗	✓
Ant 1a	Config 5	✗	✓	✗	✗	✗	✗	✗	✓	✗
Ant 1a	Config 6	✗	✓	✗	✗	✗	✗	✗	✗	✓
Ant 1b	Config 7	✗	✗	✗	✗	✓	✗	✗	✓	✗
Ant 1b	Config 8	✗	✗	✗	✗	✗	✓	✗	✓	✗
Ant 1b	Config 9	✗	✗	✗	✓	✗	✗	✗	✓	✗
Ant 3a	Config 10	✗	✗	✓	✓	✗	✗	✗	✓	✗
Ant 3a	Config 11	✓	✗	✗	✗	✓	✗	✗	✓	✗
Ant 3a	Config 12	✗	✓	✗	✗	✓	✗	✗	✓	✗
Ant 3a	Config 13	✓	✗	✗	✗	✗	✓	✗	✓	✗
Ant 3a	Config 14	✗	✓	✗	✗	✗	✓	✗	✓	✗

Table 2-1. Simultaneous Transmission Configurations

✓ = Support; ✗ = Not Support

Note:

All the above simultaneous transmission configurations have been tested and the worst case configuration was found to be Config 11 and reported in RF Part 27b, RF Bluetooth and RF UNII 5GHz OFDM test reports.

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2.3 Antenna Description

The following antenna gains provided by the manufacturer were used for testing.

Band	Antenna Gain [dBi]			
	Antenna 3b	Antenna 2a	Antenna 4	Antenna 1a
NR Band n77 (Sub 1)	2.2	2.1	-0.6	0.4
NR Band n77 (Sub 2)	3.0	2.1	-1.2	-1.7

Table 2-2. Highest Antenna Gain

2.4 Test Support Equipment

1	Apple MacBook Pro	Model:	A2141	S/N:	C02H604EQ05D
	w/AC/DC Adapter	Model:	A2166	S/N:	C4H042705ZNPM0WA6
2	Apple USB-C Cable	Model:	Spartan	S/N:	GXK1336018XKTR024
3	USB-C Cable	Model:	A2795	S/N:	DWH80115BK826GV19
	w/ AC Adapter	Model:	A2305	S/N:	C4H95160004PF4F4V
4	Apple Pencil	Model:	A2538	S/N:	KJ26TCFXJW
5	DC Power Supply	Model:	KPS3010D	S/N:	N/A

Table 2-3. Test Support Equipment

2.5 Test Configuration

The EUT was tested per the guidance of ANSI C63.26 2015, TIA-603-E-2016 and KDB 971168 D01 v03r01. See Section 7.0 of this test report for a description of the radiated and antenna port conducted emissions tests.

For emissions from 1GHz – 18GHz, low, mid, and high channels were tested with highest power and worst case configuration. The emissions below 1GHz and above 18GHz were tested with the highest transmitting power and the worst case channel were reported.

The EUT was manipulated through three orthogonal planes of X-orientation (flatbed), Y-orientation (landscape), and Z-orientation (portrait) during the testing. Only the worst case emissions were reported in this test report.

2.6 Software and Firmware

The test was conducted with firmware version 23D40 installed on the EUT.

2.7 EMI Suppression Device(s)/Modifications

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

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3.0 DESCRIPTION OF TESTS

3.1 Evaluation Procedure

The measurement procedures described in the documents titled “American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services” (ANSI C63.26-2015 and TIA-603-E-2016) and “Procedures for Compliance Measurement of the Fundamental Emission Power of Licensed Wideband (> 1 MHz) Digital Transmission Systems” (KDB 971168 D01 v03r01) were used in the measurement of the EUT.

Deviation from Measurement Procedure.....None

3.2 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 spurious emissions measurements and calculations, conversion method is used per the formulas in KDB 971168 Section 5.8.4. Field Strength (EIRP) is calculated using the following formulas:

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

And

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

All radiated measurements are performed in a chamber that meets the site requirements per ANSI C63.4-2014.

Per KDB 414788 D01 v01r01, radiated emission test sites other than open-field test sites (e.g., shielded anechoic chambers), may be employed for emission measurements below 30MHz if characterized so that the measurements correspond to those obtained at an open-field test site. To determine test site equivalency, a reference sample transmitting at 149kHz was measured on an open field test site (asphalt with no ground plane) and then measured in the 3m semi-anechoic chamber. A calibrated 60cm loop antenna was used while the reference device was rotated through the X, Y and Z axis in order to capture the worst case level. A maximum deviation of 2.77dB at 149kHz was measured when comparing the 3 meter semi-anechoic chamber to the open field site.

Radiated spurious emission levels are investigated with the receive antenna horizontally and vertically polarized per ANSI C63.26-2015 and TIA-603-E-2016.

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4.0 MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.23-2012. 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	2.00
Radiated Disturbance (<30MHz)	4.24
Radiated Disturbance (30MHz-1GHz)	4.96
Radiated Disturbance (1-18GHz)	5.18
Radiated Disturbance (>18GHz)	5.18

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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
ATM	180-442-KF	20dB Nominal Gain Horn Antenna	3/24/2025	Annual	3/24/2026	T058601-02
ESPEC	SU-241	Tabletop Temperature Chamber	10/24/2024	Annual	10/24/2025	92009574
ETS-Lindgren	3117	Double Ridged Guide Horn (1-18 GHz)	4/16/2025	Annual	4/16/2026	218555
Fairview Microwave	FMCA1975-36	30MHz-40GHz Conducted RF Cable *	6/10/2025	Annual	6/10/2026	-
Fairview Microwave	M2CP1122-10	30MHz-40GHz Conducted Coupler *	6/10/2025	Annual	6/10/2026	1946
Fairview Microwave/MCL	FMCA1975-36/BW-K10-2W44+	30MHz-40GHz RF Cable/Attenuator *	6/10/2025	Annual	6/10/2026	-
Keysight Technology	N9040B	UXA Signal Analyzer	9/5/2024	Annual	9/5/2025	MY61320121
Keysight Technology	N9040B	UXA Signal Analyzer	1/31/2025	Annual	1/31/2026	MY60080210
Rohde & Schwarz	FSW43	Spectrum Analyzer 2Hz to 43GHz	8/5/2025	Annual	8/5/2026	104093
Rohde & Schwarz	TS-PR18	Pre-Amplifier (1GHz - 18GHz)	8/6/2025	Annual	8/6/2026	101639
Rohde & Schwarz	ESW44	EMI Test Receiver 2Hz to 44 GHz	5/13/2025	Annual	5/13/2026	101867
Rohde & Schwarz	TS-PR8	Pre-Amplifier (30MHz - 8GHz)	10/14/2025	Annual	10/14/2026	102328
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	10/3/2025	Annual	10/3/2026	171008
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	3/4/2025	Annual	3/4/2026	164715
Rohde & Schwarz	TS-PR1840	Pre-Amplifier (18GHz - 40GHz)	6/3/2025	Annual	6/3/2026	100052

Table 5-1. Test Equipment

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.
- * denotes passive equipment that have been internally verified/calibrated.

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6.0 SAMPLE CALCULATIONS

Emission Designator

$\pi/2$ BPSK / QPSK Modulation

Emission Designator = 8M62G7W

BW = 8.62 MHz

G = Phase Modulation

7 = Quantized/Digital Info

W = Combination of Any

QAM Modulation

Emission Designator = 8M45D7W

BW = 8.45 MHz

D = Amplitude/Angle Modulated

7 = Quantized/Digital Info

W = Combination of Any

Spurious Radiated Emission

Example: Spurious emission at 3700.40 MHz

The receive spectrum analyzer reading at 3 meters with the EUT on the turntable was -81.0 dBm. The gain of the substituted antenna is 8.1 dBi. The signal generator connected to the substituted antenna terminals is adjusted to produce a reading of -81.0 dBm on the spectrum analyzer. The loss of the cable between the signal generator and the terminals of the substituted antenna is 2.0 dB at 3700.40 MHz. So 6.1 dB is added to the signal generator reading of -30.9 dBm yielding -24.80 dBm. The fundamental EIRP was 25.50 dBm so this harmonic was 25.50 dBm $- (-24.80) = 50.3$ dBc.

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7.0 TEST RESULTS

7.1 Summary

Company Name: Apple Inc.
 FCC ID: BCGA3460
 FCC Classification: PCS Licensed Transmitter (PCB)
 Mode(s): NR

Test Condition	Test Description	FCC Part Section(s)	Test Limit	Test Result	Reference
CONDUCTED	Occupied Bandwidth	2.1049	N/A	N/A	Section 7.2
	Conducted Band Edge / Spurious Emissions (NR Band n77 - 3450-3550MHz)	2.1051, 27.53(n)(2)	-13 dBm at Band Edge and for all out-of-band emissions	PASS	Sections 7.3, 7.4
	Conducted Band Edge / Spurious Emissions (NR Band n77 - 3700-3980MHz)	2.1051, 27.53(l)(2)		PASS	Sections 7.3, 7.4
	Peak-Average Ratio (NR Band n77 - 3450-3550MHz)	27.50(k)(4)	< 13 dB	PASS	Sections 7.5
	Peak-Average Ratio (NR Band n77 - 3700-3980MHz)	27.50(j)(4)		PASS	Sections 7.5
	Transmitter Conducted Output Power	2.1046	N/A	N/A	See RF Exposure Report
	Equivalent Isotropic Radiated Power (NR Band n77 - 3450-3550MHz)	27.50(k)(3)	< 1 Watts max. EIRP	PASS	Section 7.6
	Equivalent Isotropic Radiated Power (NR Band n77 - 3700-3980MHz)	27.50(j)(3)		PASS	Section 7.6
	Frequency Stability	2.1055, 27.54	Fundamental emissions stay within authorized frequency block	PASS	Section 7.8
RADIATED	Radiated Spurious Emissions (NR Band n77 - 3450-3550MHz)	2.1051, 27.53(n)(2)	-13 dBm for all out-of-band emissions	PASS	Section 7.7
	Radiated Spurious Emissions (NR Band n77 - 3700-3980MHz)	2.1051, 27.53(l)(2)		PASS	Section 7.7

Table 7-1. Summary of Test Results

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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 was Element EMC Software Tool v1.1.
5. For radiated spurious emissions, automated test software was used to measure emissions and capture the corresponding plots necessary to show compliance. The measurement software utilized is Element "Chamber Automation," Version 3.6.1.

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7.2 Occupied Bandwidth

§2.1049

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. All ports were tested and only the worst case data were reported.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 4.2

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.

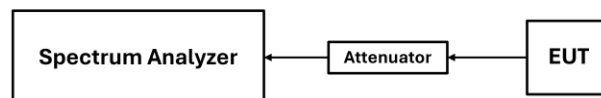


Figure 7-1. FR1 Test Instrument & Measurement Setup

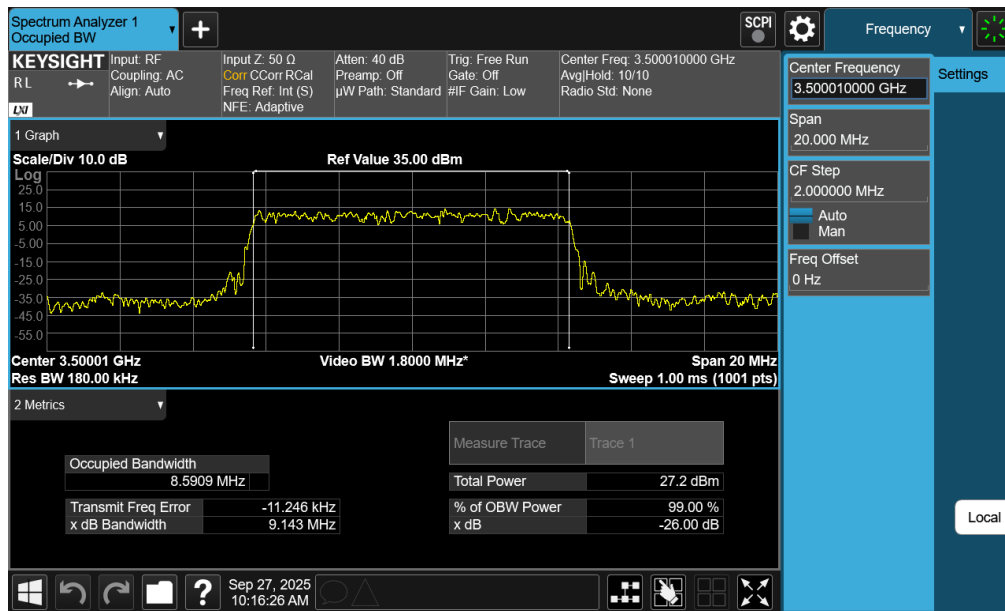
Test Notes

1. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) 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.

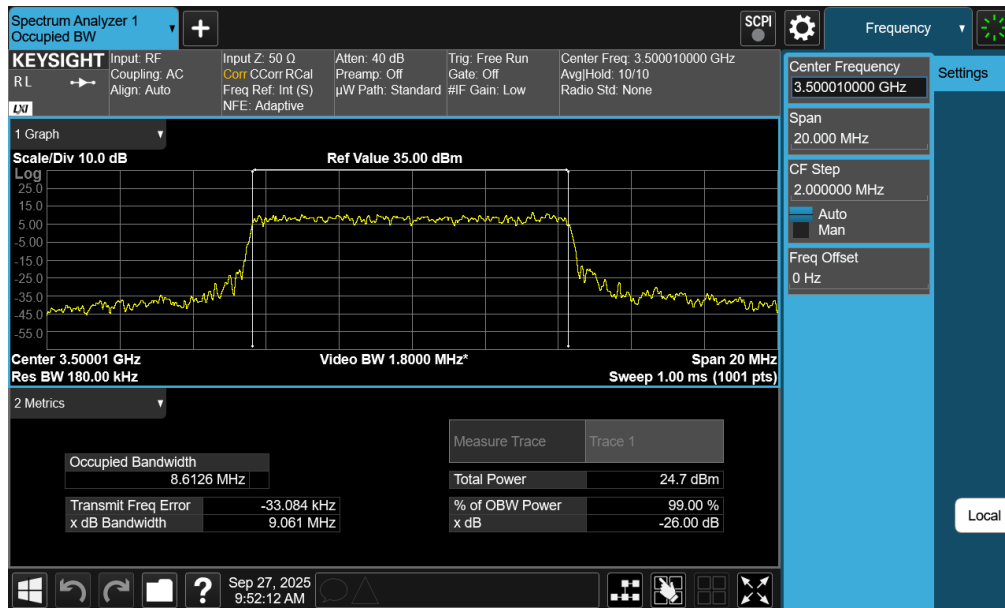
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NR Band n77 DoD-Band



Plot 7-1. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

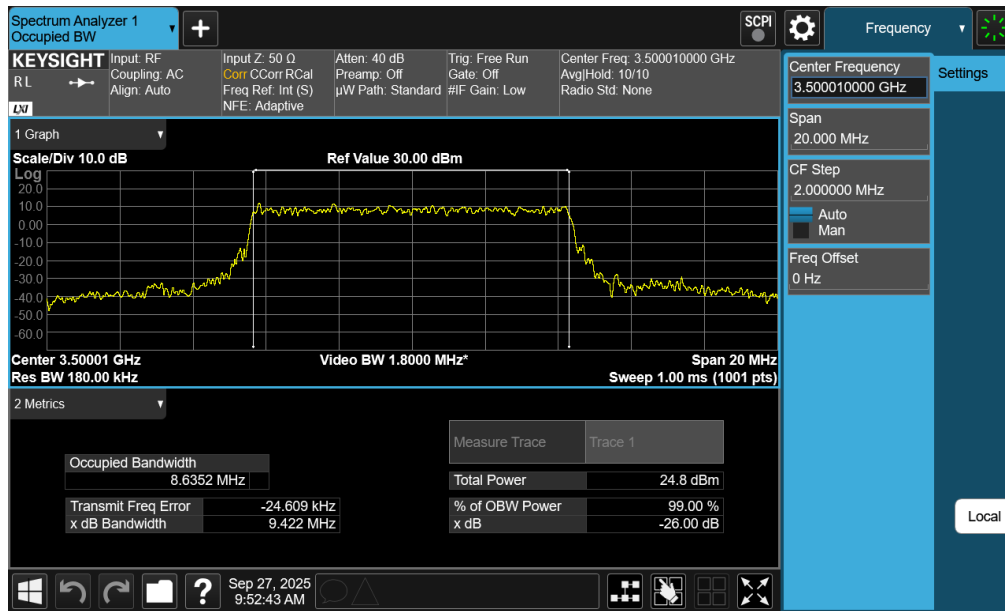


Plot 7-2. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 10MHz CP-OFDM QPSK - Full RB)

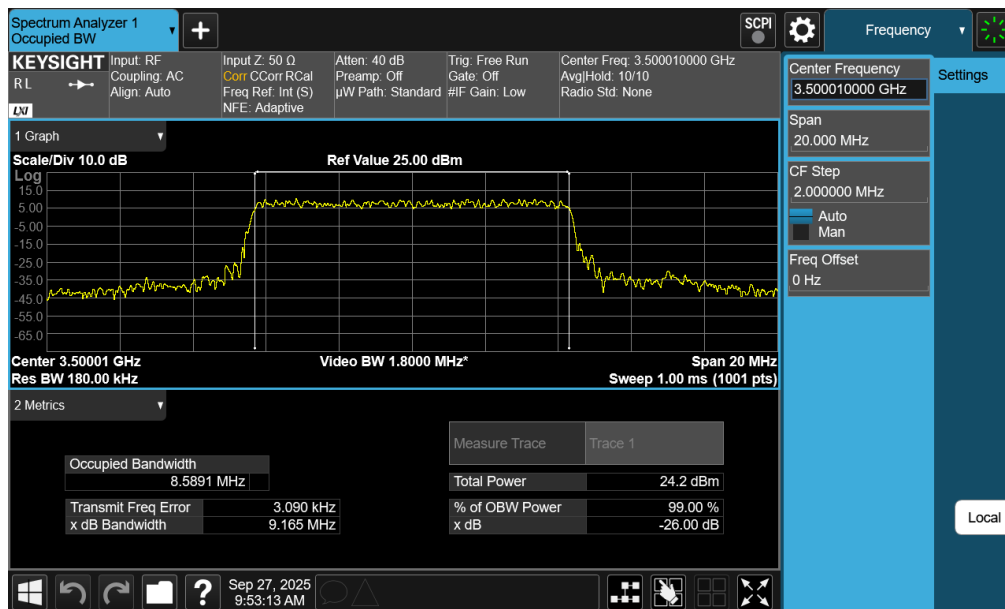
FCC ID: BCGA3460	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-3. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 10MHz CP-OFDM 16-QAM - Full RB)

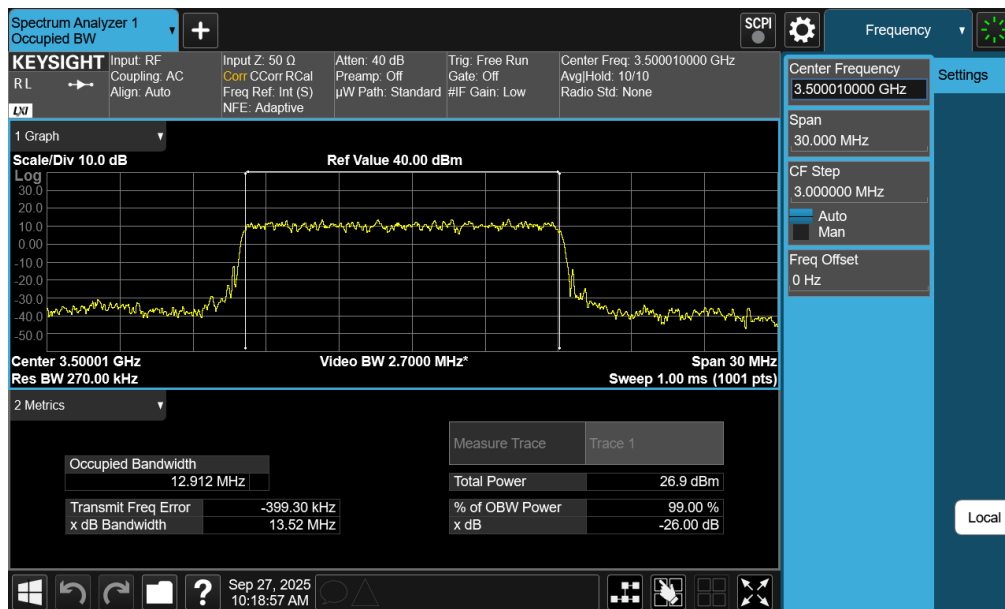
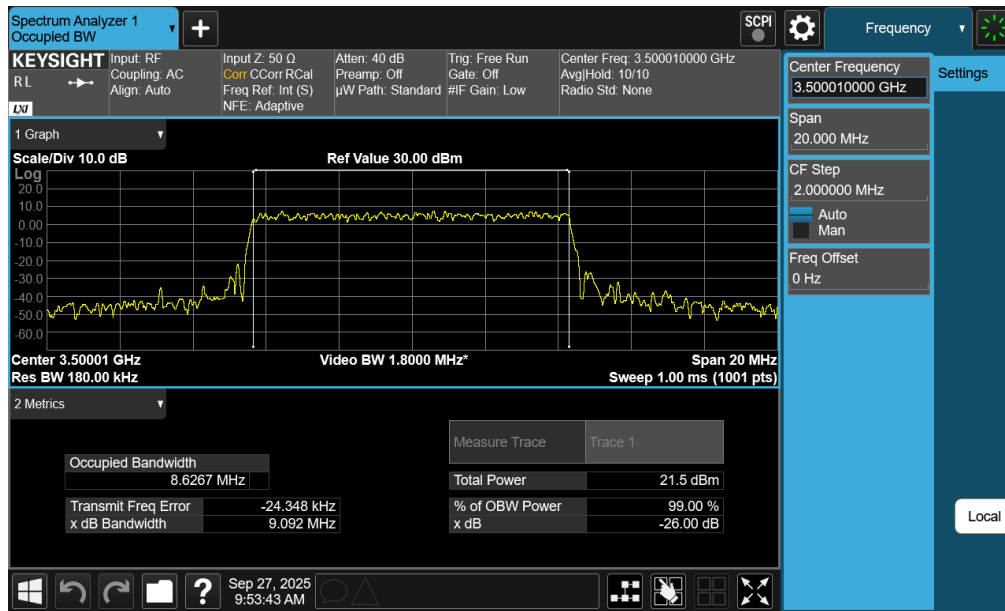


Plot 7-4. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 10MHz CP-OFDM 64-QAM - Full RB)

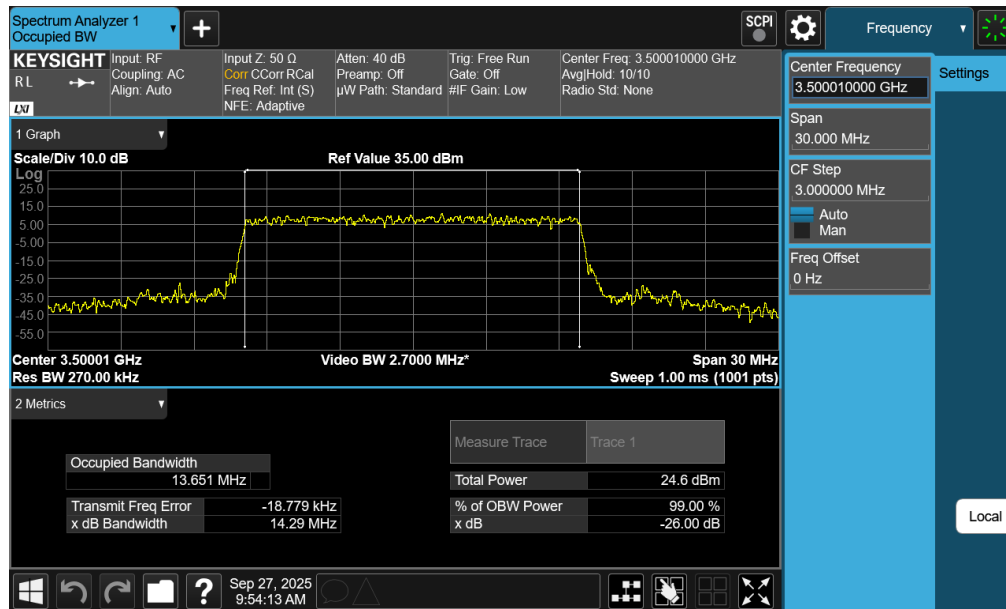
FCC ID: BCGA3460	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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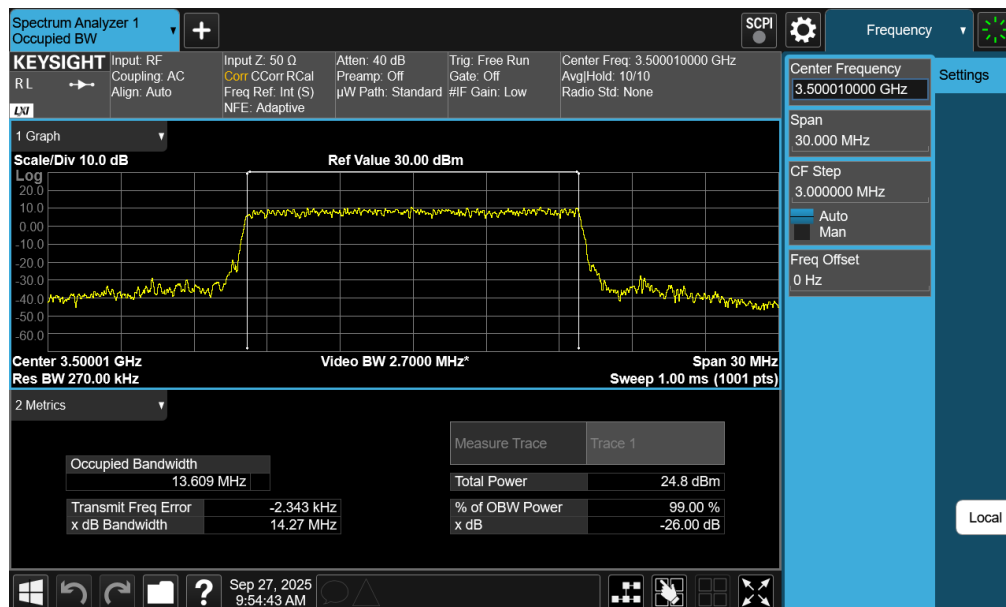
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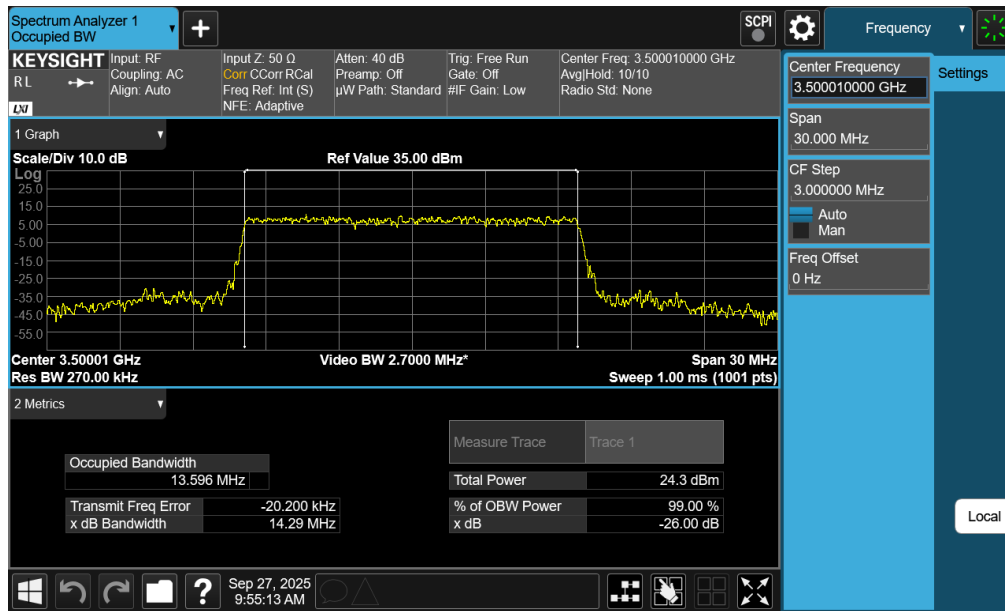


Plot 7-7. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 15MHz CP-OFDM QPSK - Full RB)

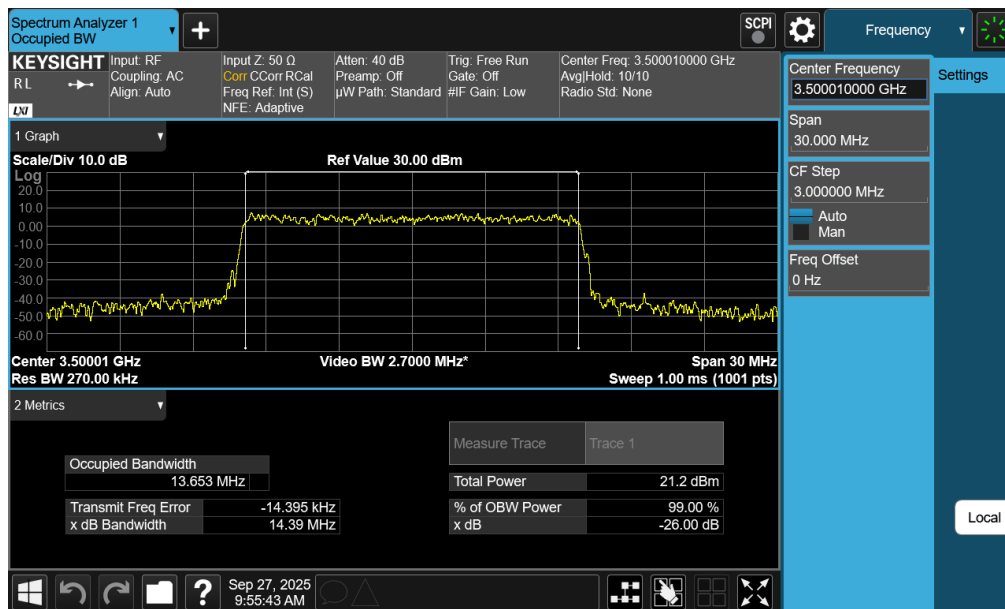


Plot 7-8. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 15MHz CP-OFDM 16-QAM - Full RB)

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Plot 7-9. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 15MHz CP-OFDM 64-QAM - Full RB)

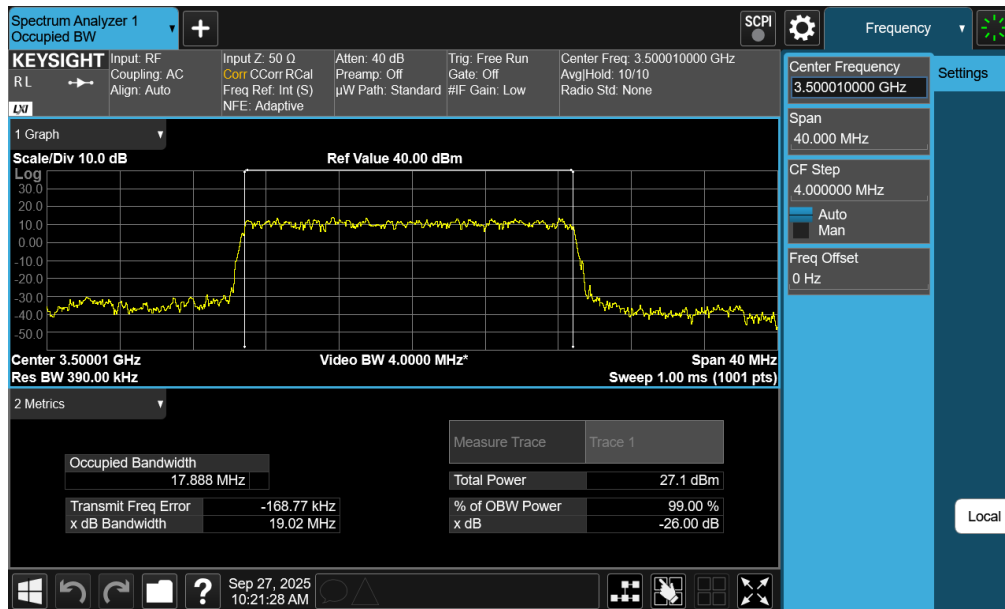


Plot 7-10. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 15MHz CP-OFDM 256-QAM - Full RB)

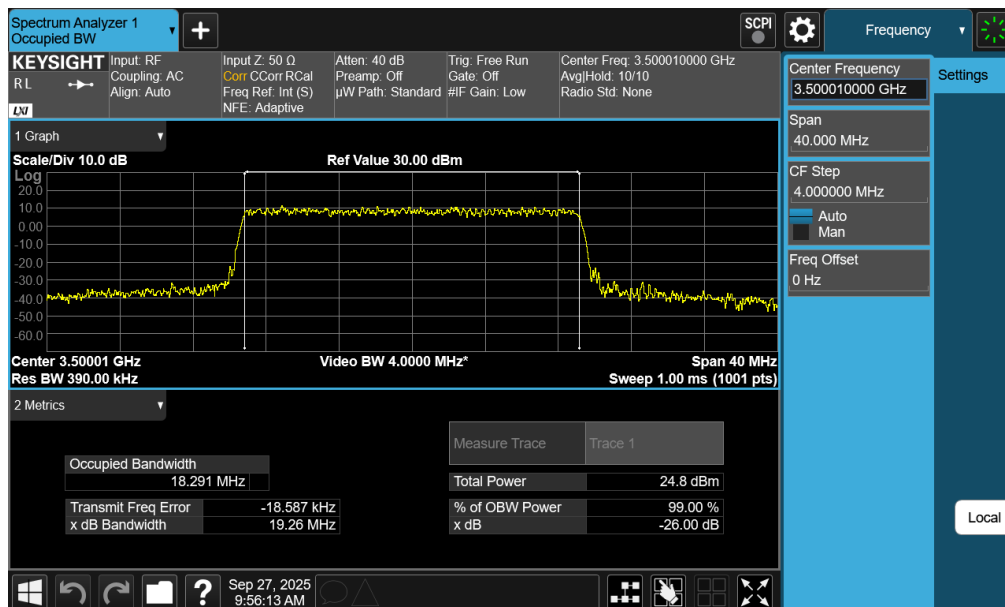
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Plot 7-11. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

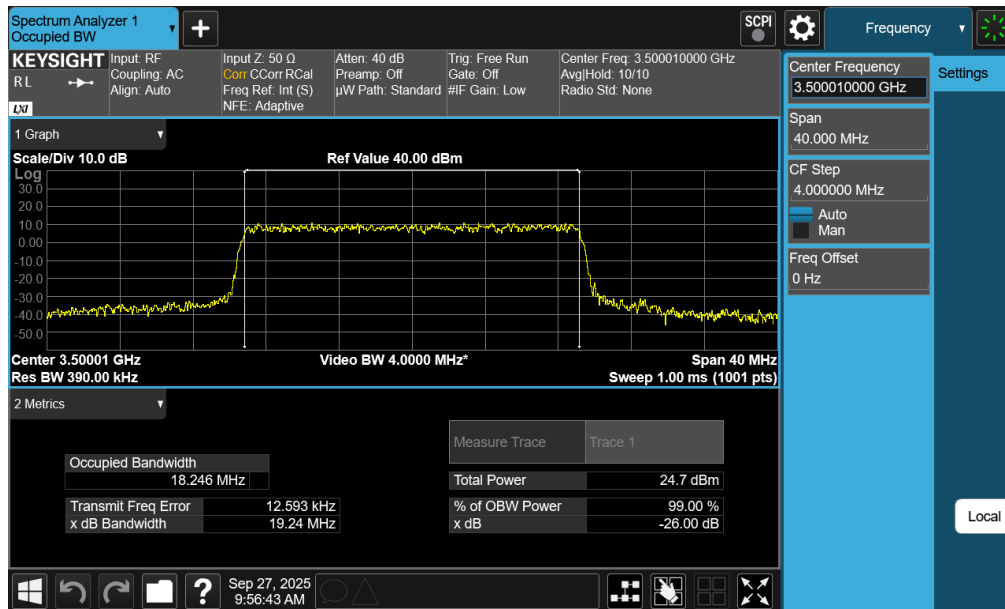


Plot 7-12. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 20MHz CP-OFDM QPSK - Full RB)

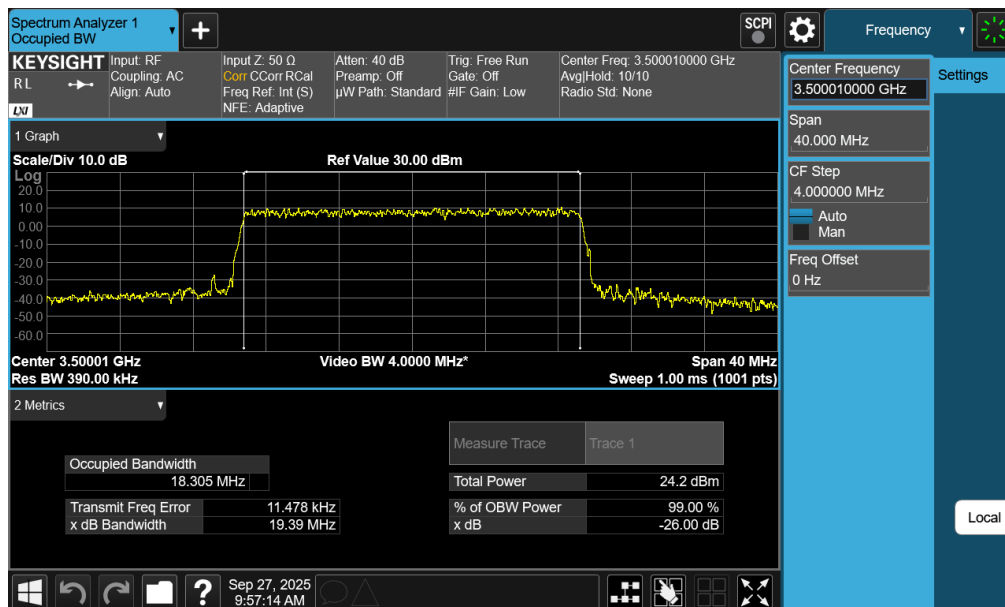
FCC ID: BCGA3460	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-13. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 20MHz CP-OFDM 16-QAM - Full RB)

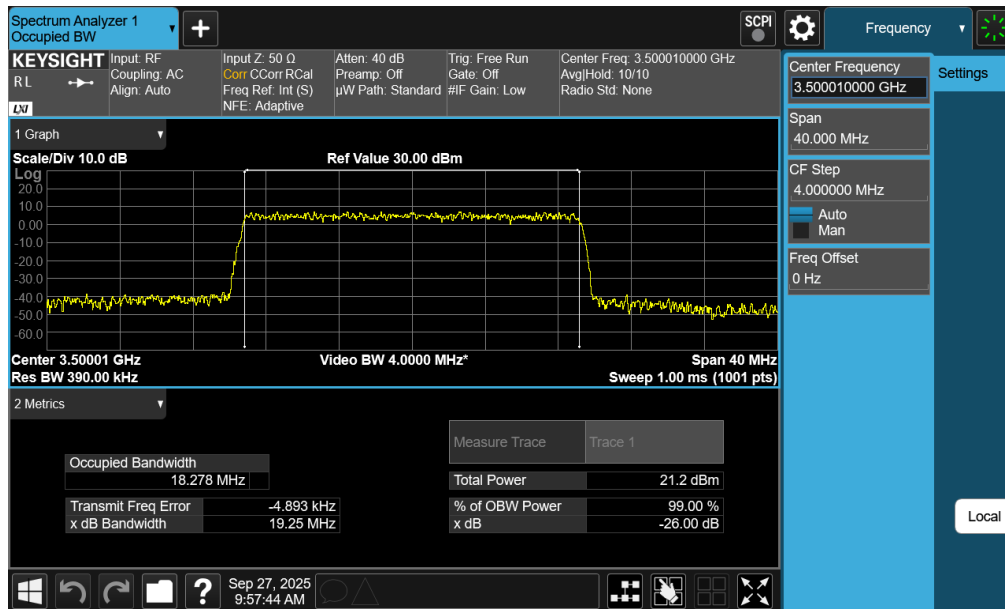


Plot 7-14. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 20MHz CP-OFDM 64-QAM - Full RB)

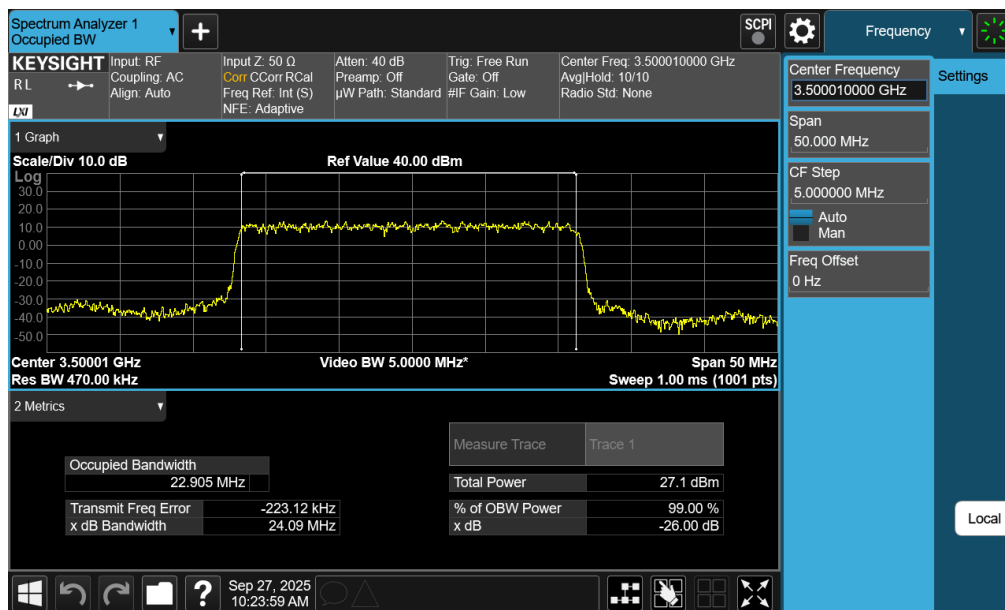
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Plot 7-15. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 20MHz CP-OFDM 256-QAM - Full RB)

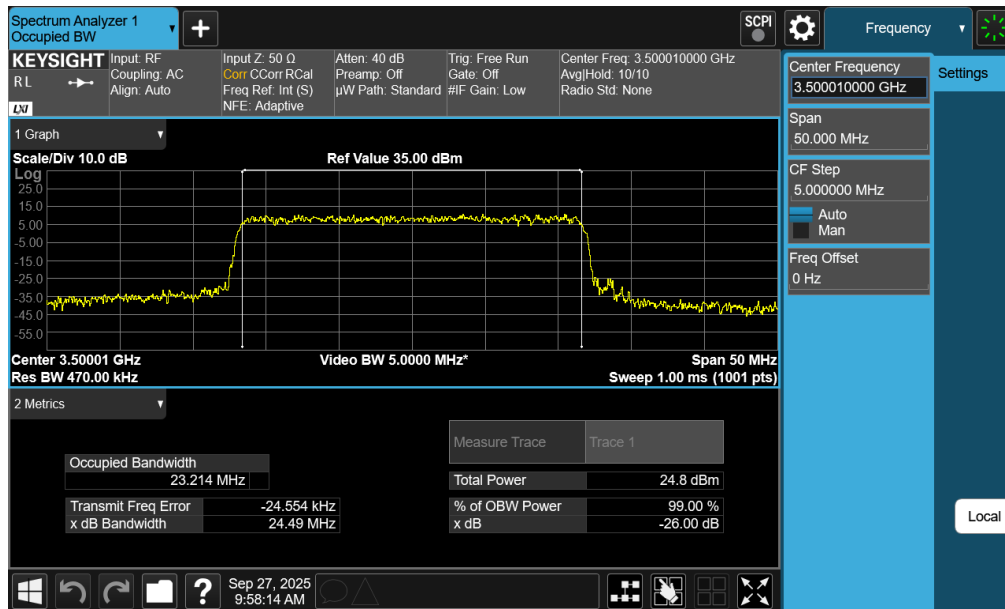


Plot 7-16. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 25MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

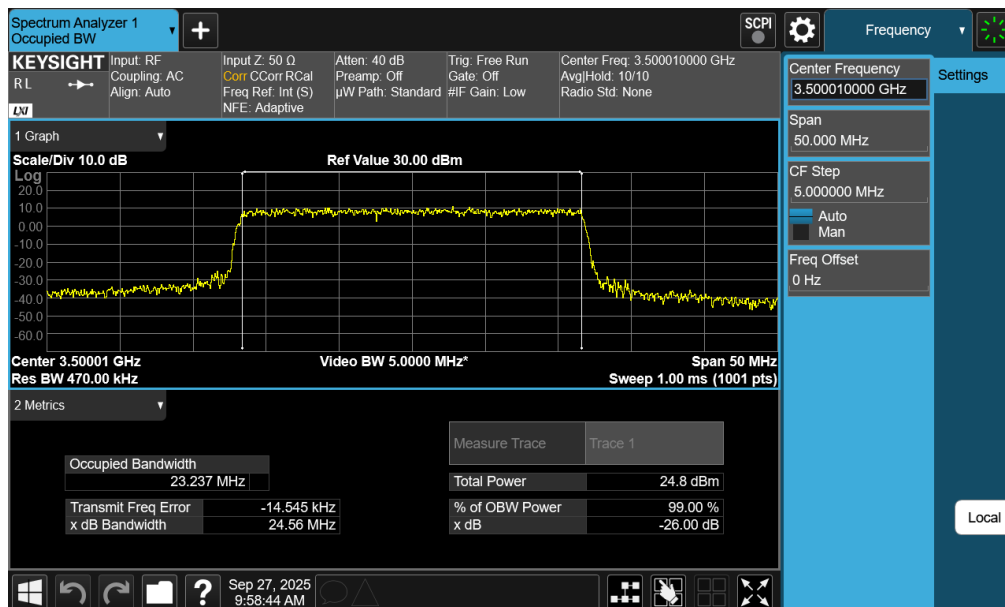
FCC ID: BCGA3460	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-17. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 25MHz CP-OFDM QPSK - Full RB)

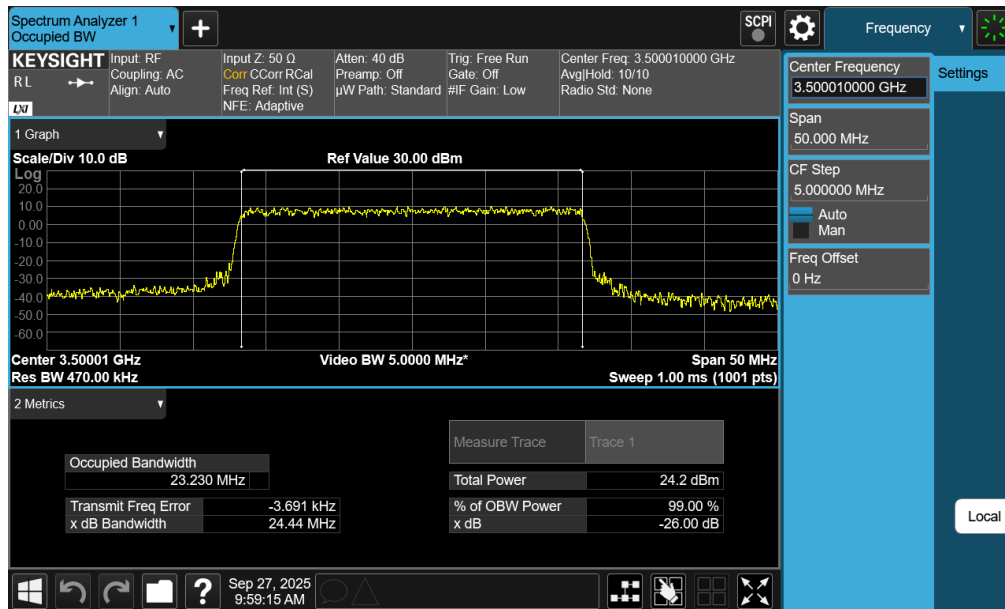


Plot 7-18. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 25MHz CP-OFDM 16-QAM - Full RB)

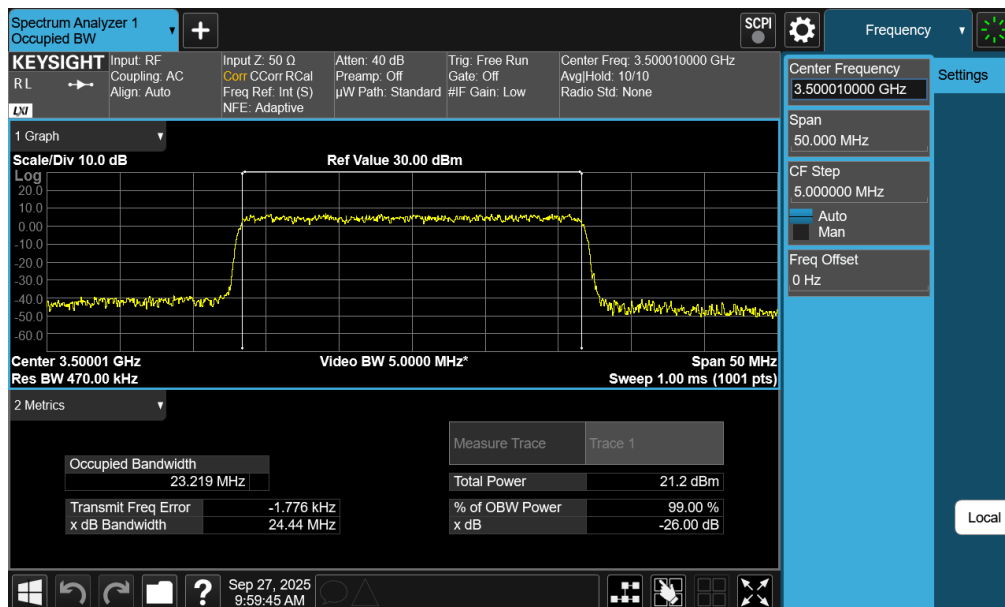
FCC ID: BCGA3460	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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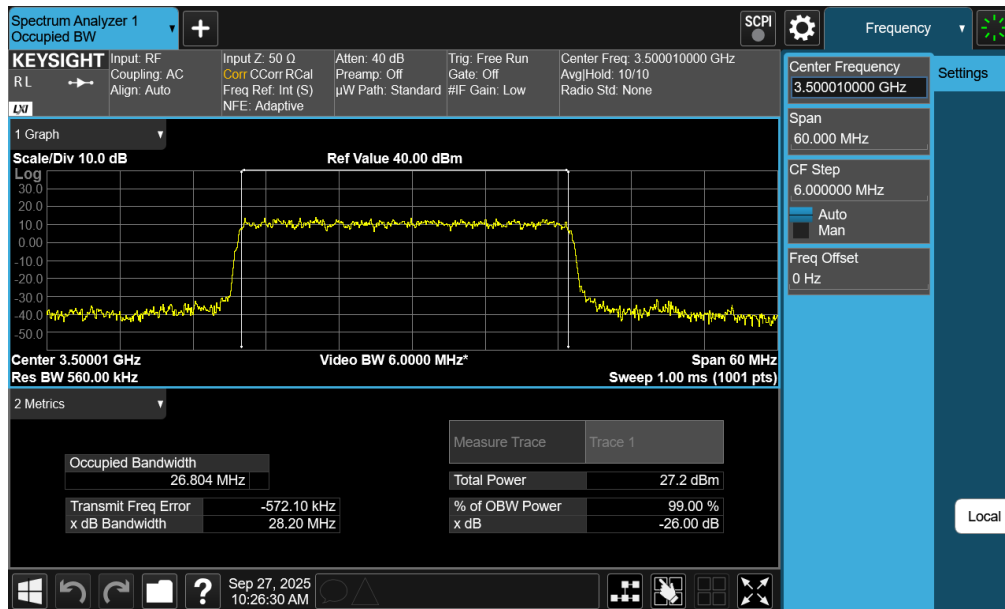
Plot 7-19. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 25MHz CP-OFDM 64-QAM - Full RB)



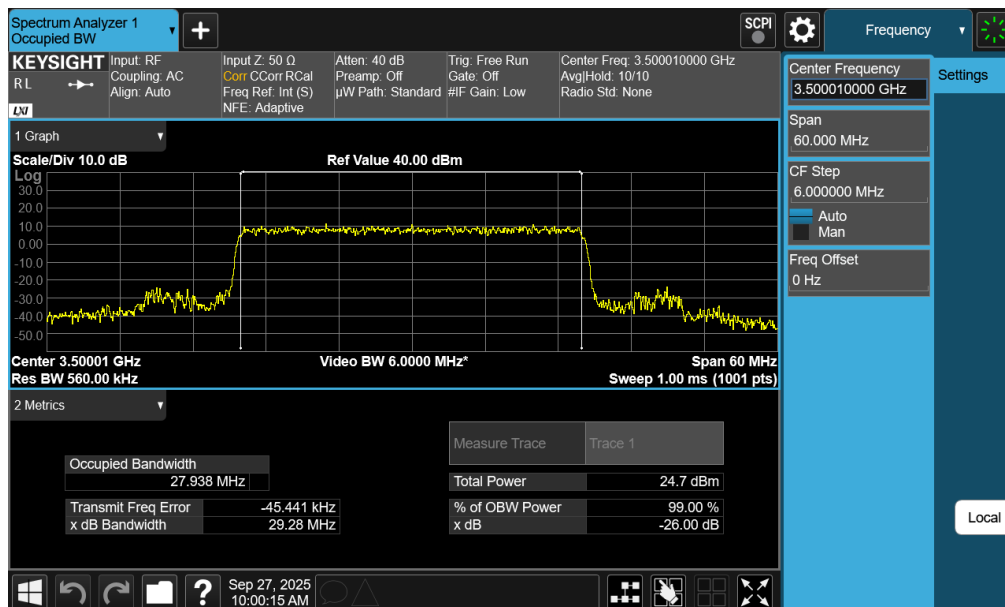
Plot 7-20. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 25MHz CP-OFDM 256-QAM - Full RB)

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Plot 7-21. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 30MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

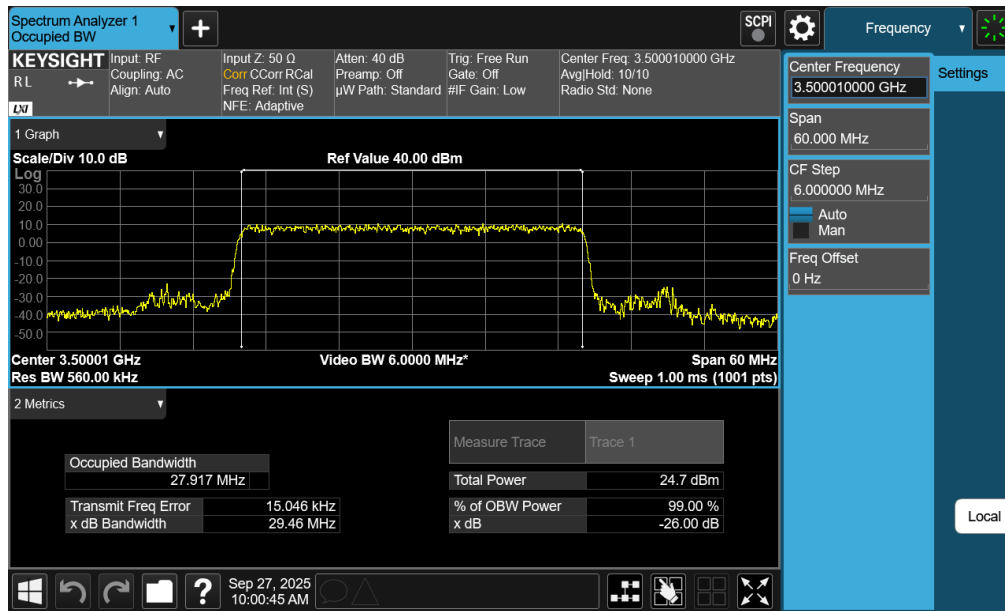


Plot 7-22. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 30MHz CP-OFDM QPSK - Full RB)

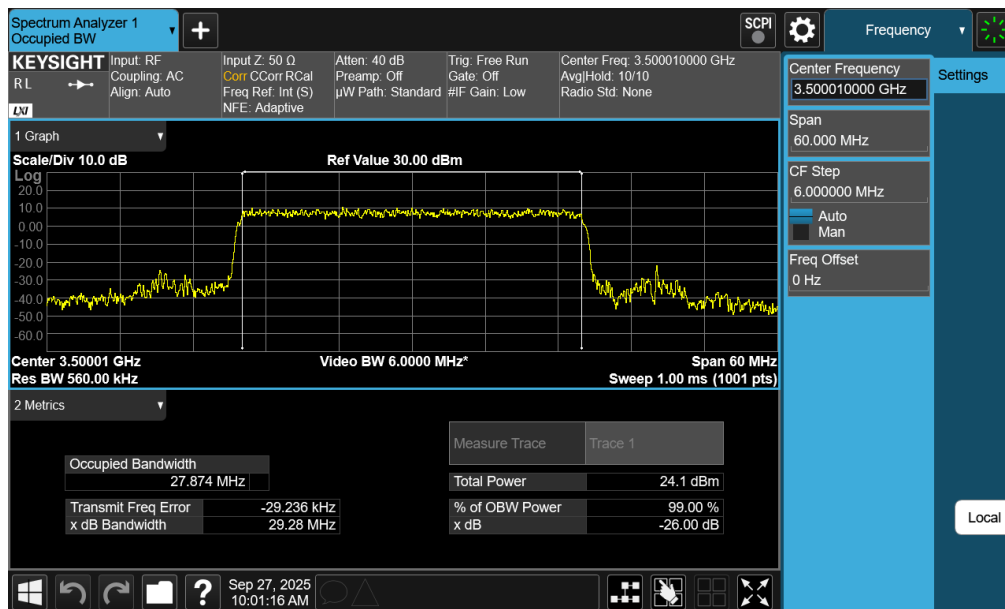
FCC ID: BCGA3460	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-23. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 30MHz CP-OFDM 16-QAM - Full RB)

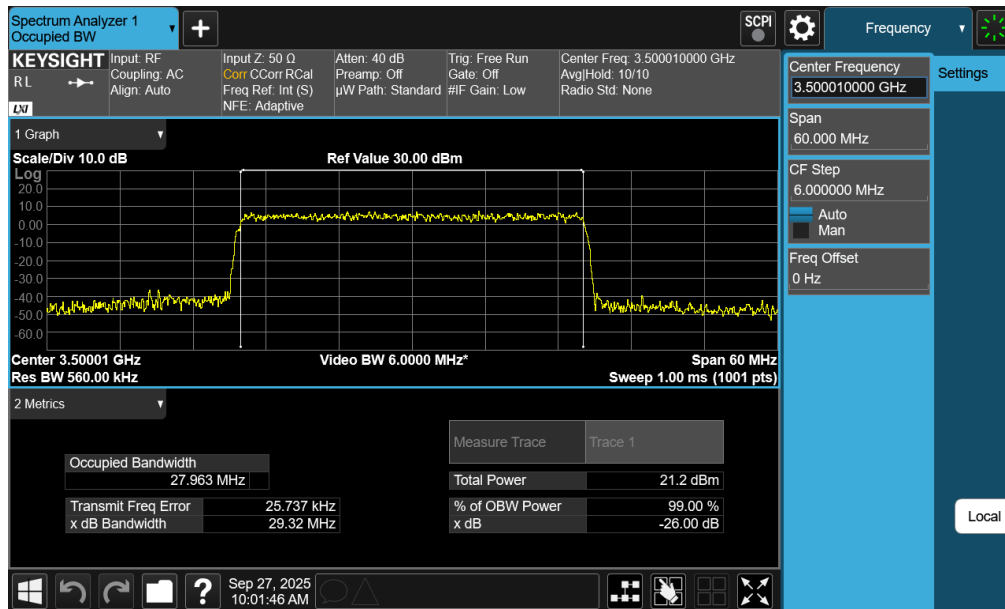


Plot 7-24. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 30MHz CP-OFDM 64-QAM - Full RB)

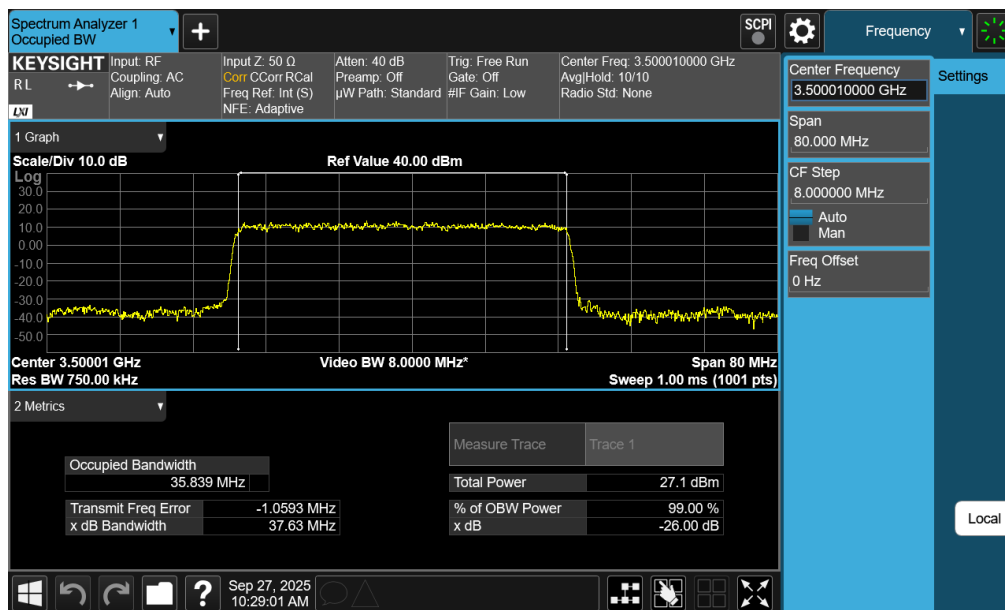
FCC ID: BCGA3460	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-25. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 30MHz CP-OFDM 256-QAM - Full RB)

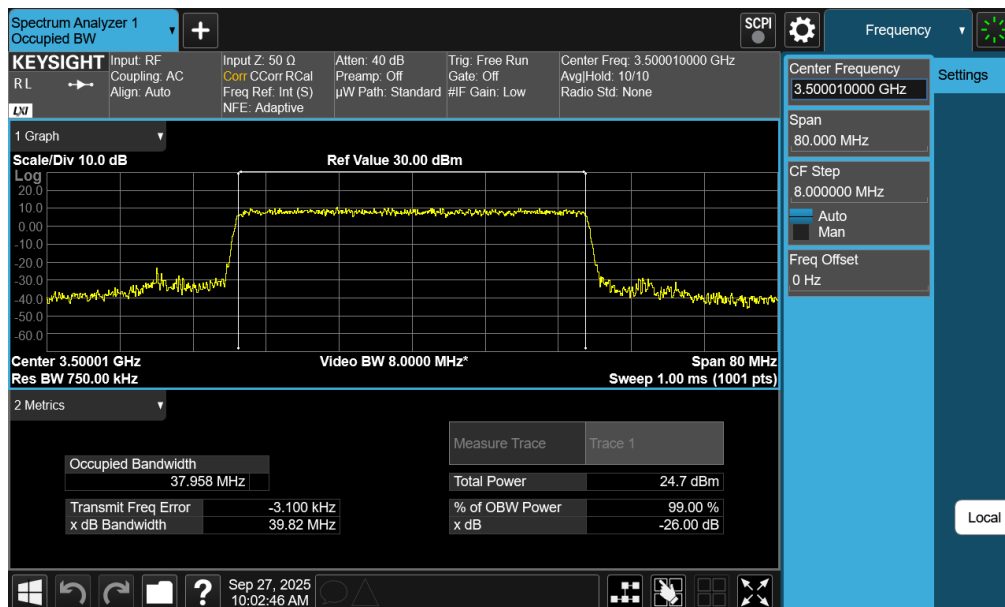
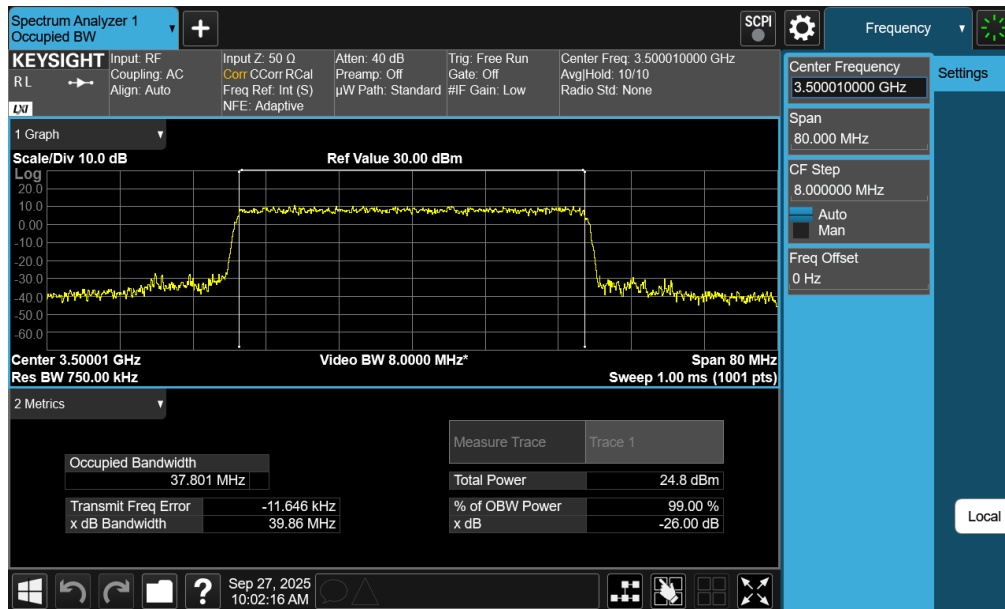


Plot 7-26. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA3460	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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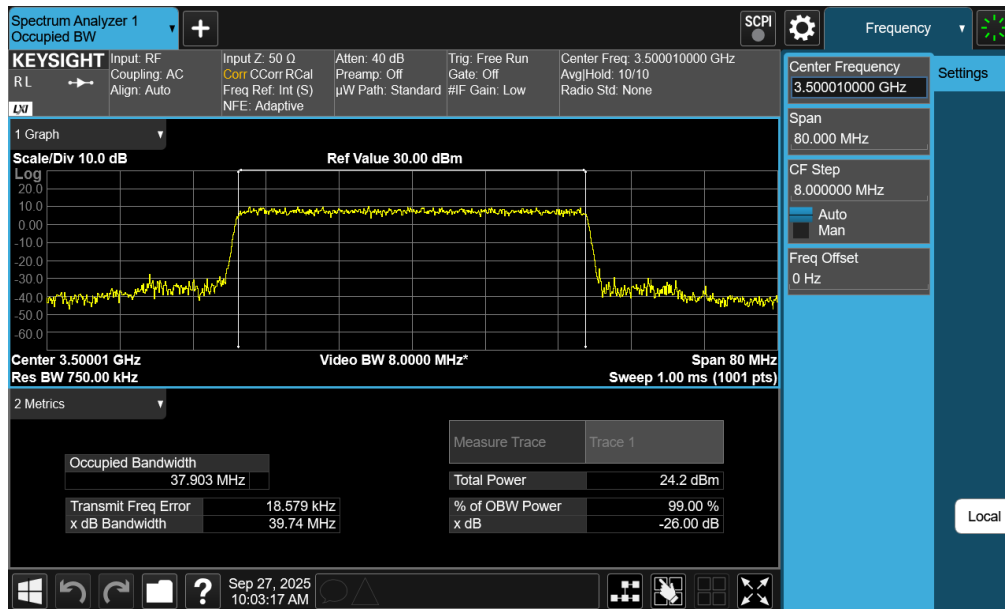
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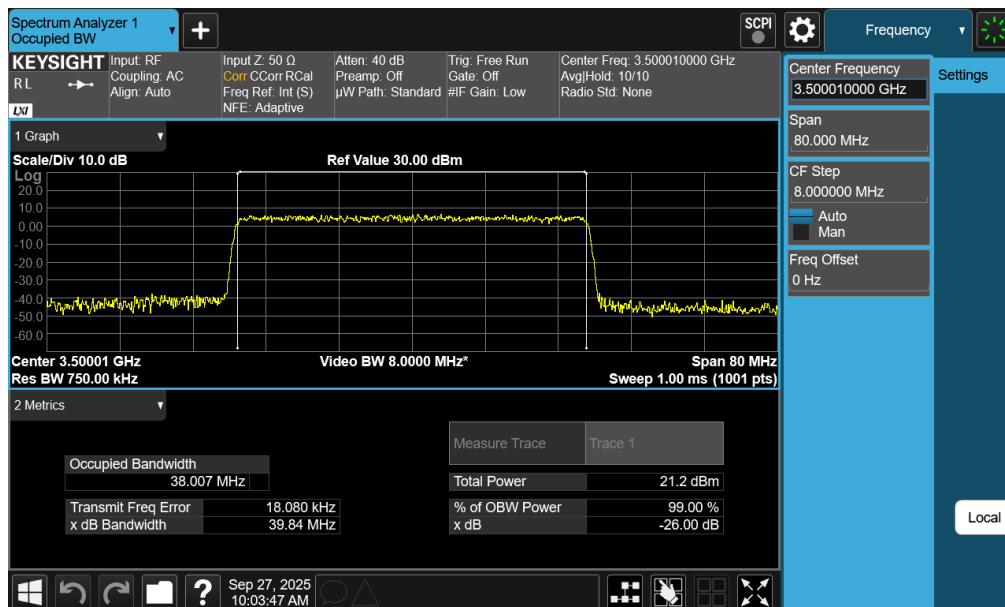
FCC ID: BCGA3460	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-11-R3.BCG	Test Dates: 07/01/2025 - 10/31/2025	EUT Type: Tablet Device	Page 31 of 258

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Plot 7-29. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 40MHz CP-OFDM 64-QAM - Full RB)

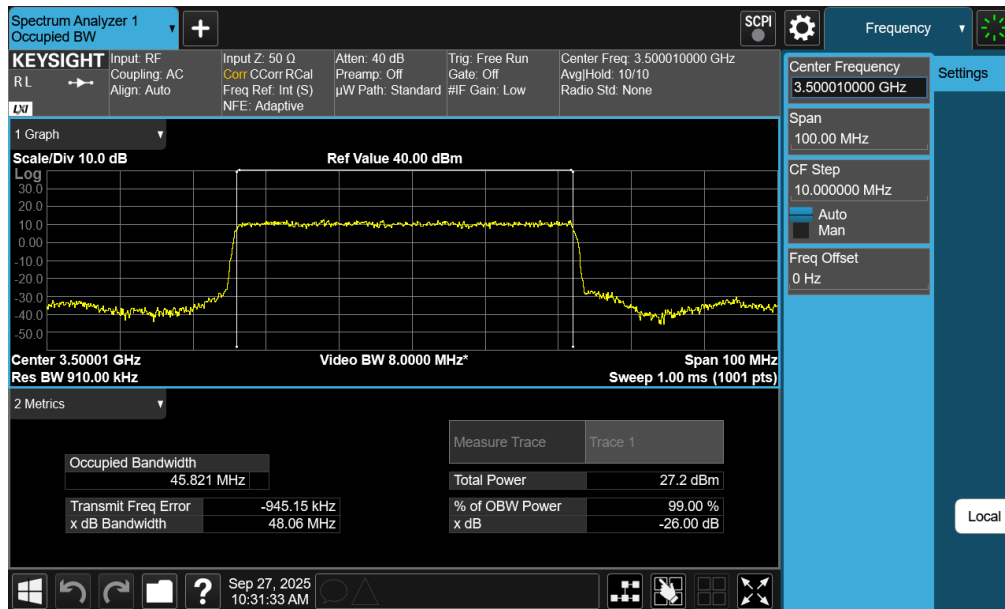


Plot 7-30. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 40MHz CP-OFDM 256-QAM - Full RB)

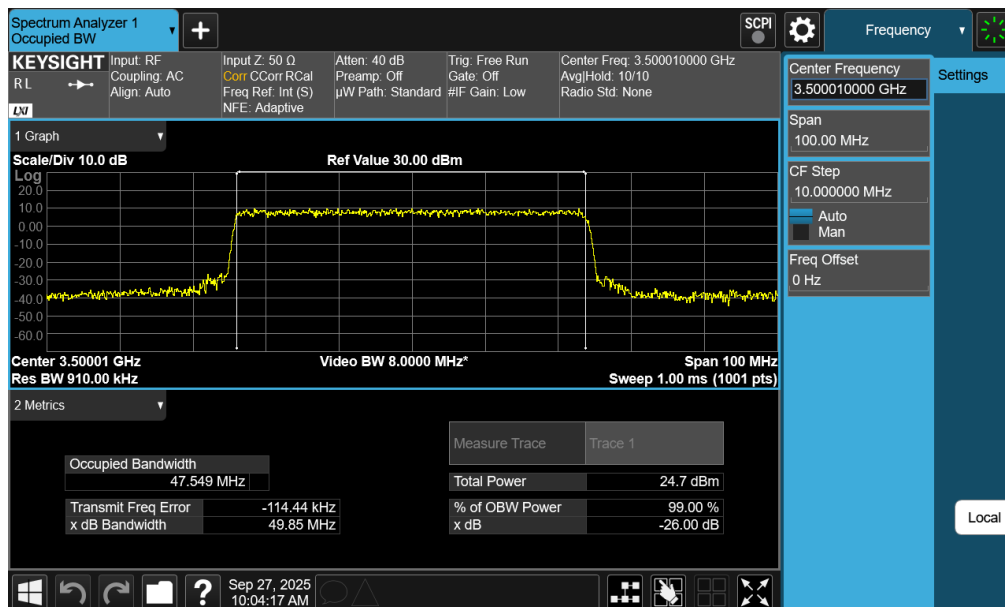
FCC ID: BCGA3460	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-11-R3.BCG	Test Dates: 07/01/2025 - 10/31/2025	EUT Type: Tablet Device
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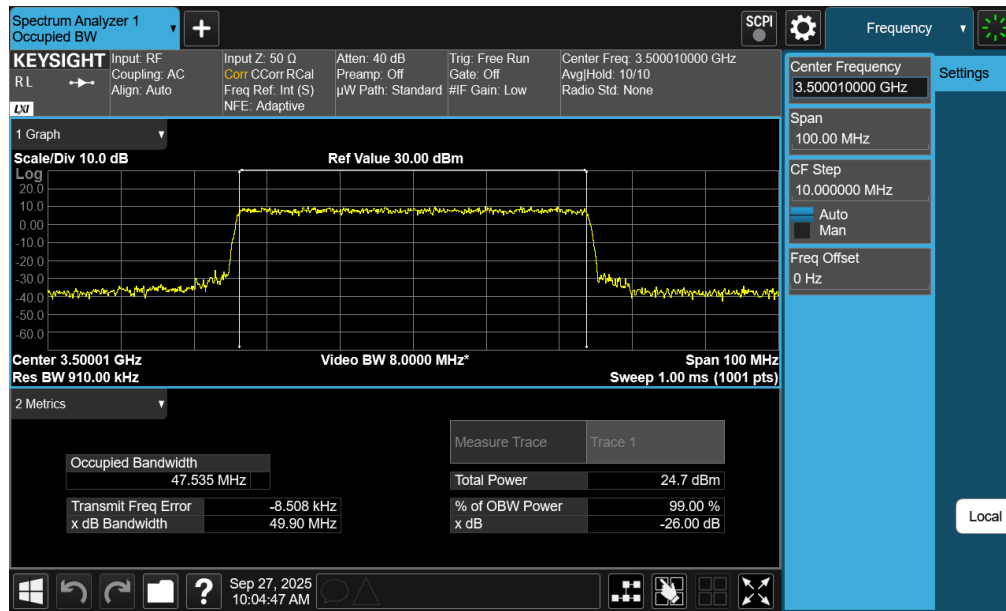
Plot 7-31. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 50MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)



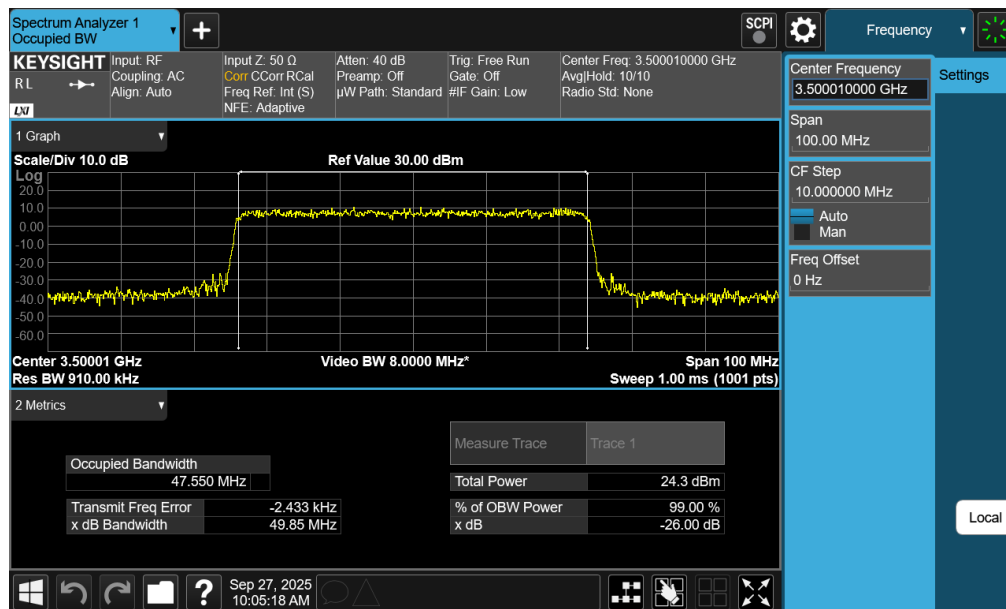
Plot 7-32. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 50MHz CP-OFDM QPSK - Full RB)

FCC ID: BCGA3460	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-11-R3.BCG	Test Dates: 07/01/2025 - 10/31/2025	EUT Type: Tablet Device	Page 33 of 258

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Plot 7-33. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 50MHz CP-OFDM 16-QAM - Full RB)

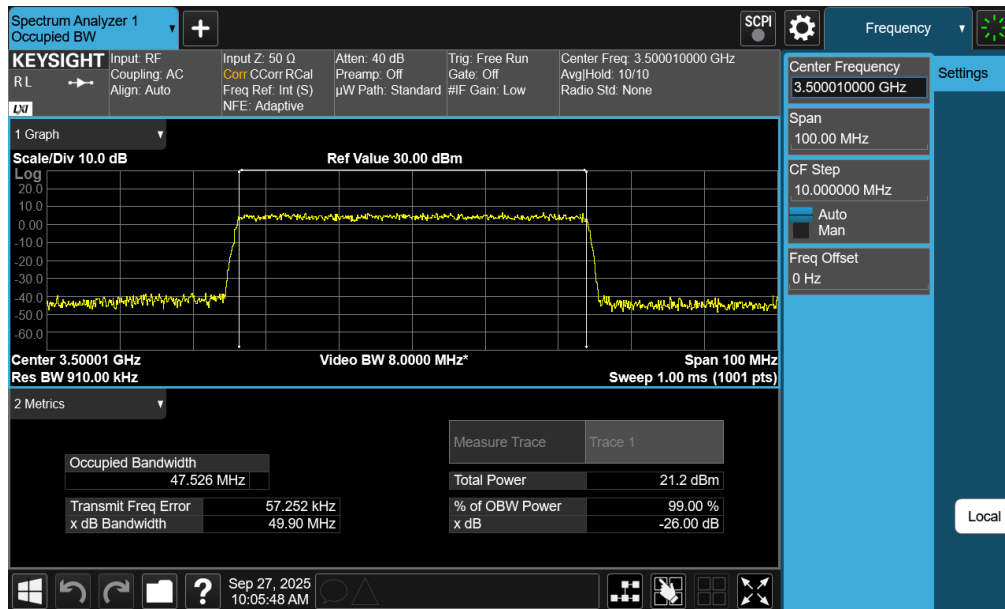


Plot 7-34. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 50MHz CP-OFDM 64-QAM - Full RB)

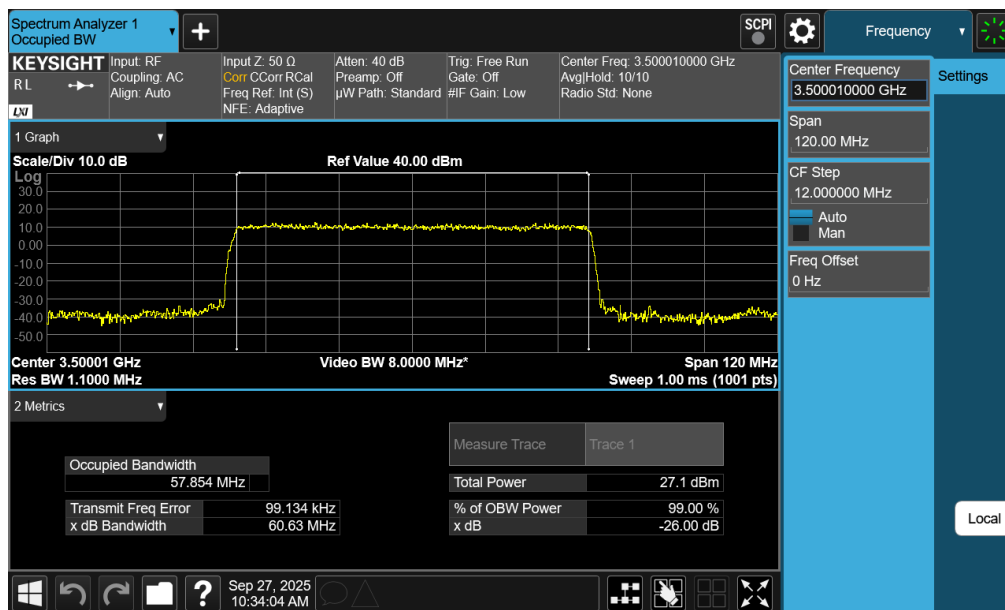
FCC ID: BCGA3460	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-11-R3.BCG	Test Dates: 07/01/2025 - 10/31/2025	EUT Type: Tablet Device	Page 34 of 258

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Plot 7-35. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 50MHz CP-OFDM 256-QAM - Full RB)

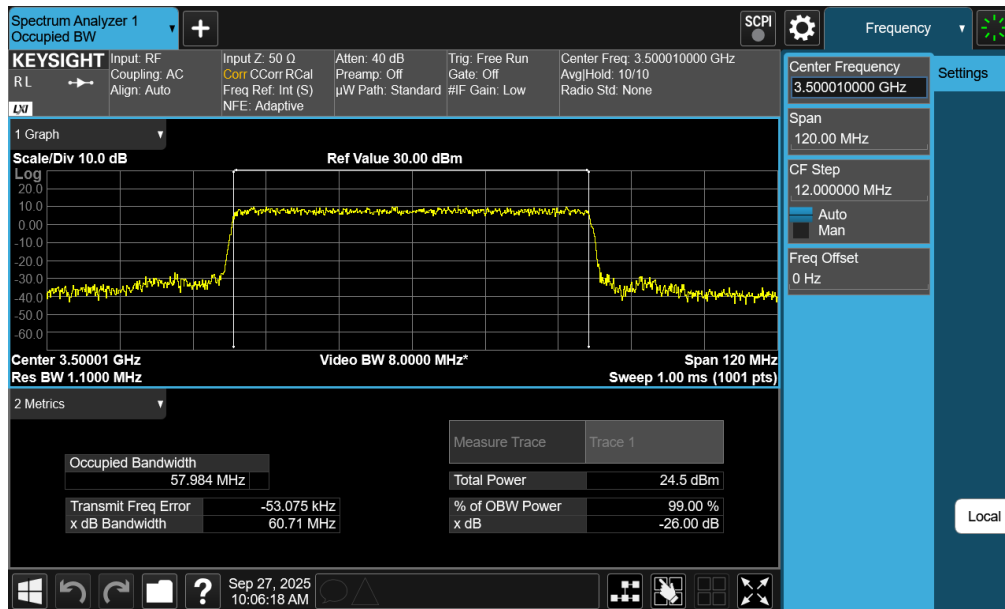


Plot 7-36. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 60MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

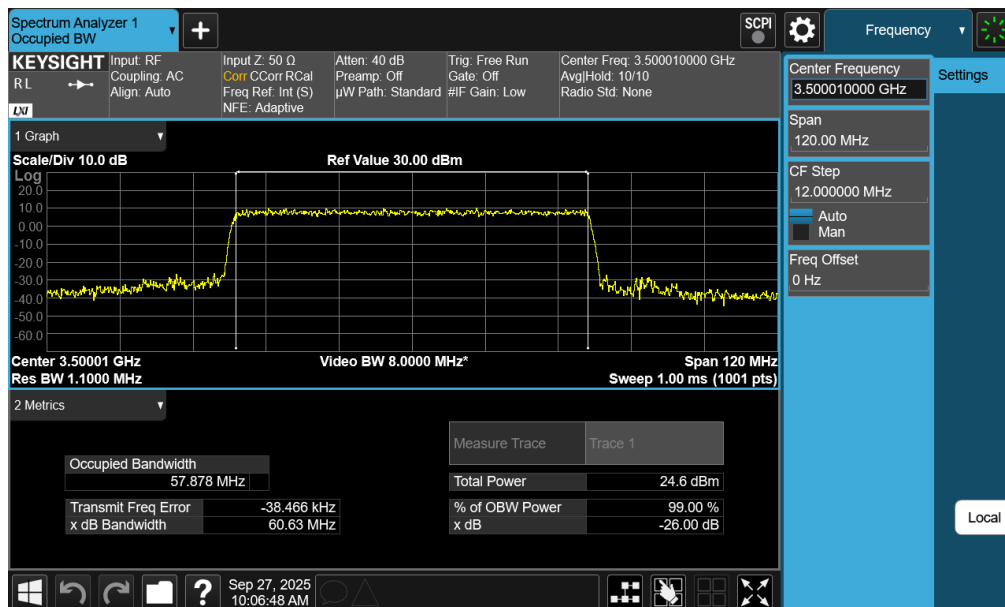
FCC ID: BCGA3460	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-11-R3.BCG	Test Dates: 07/01/2025 - 10/31/2025	EUT Type: Tablet Device	Page 35 of 258

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Plot 7-37. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 60MHz CP-OFDM QPSK - Full RB)

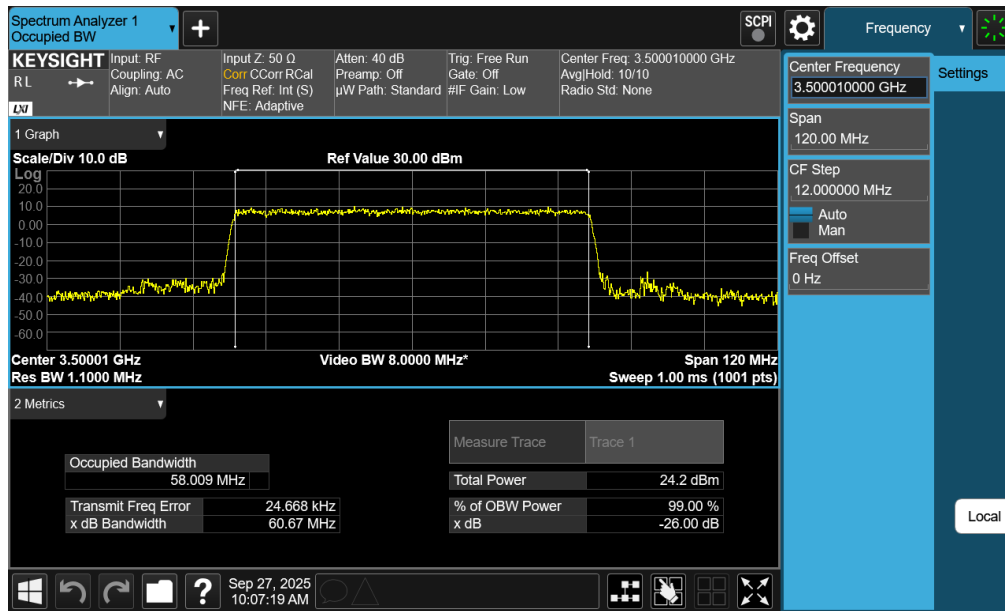


Plot 7-38. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 60MHz CP-OFDM 16-QAM - Full RB)

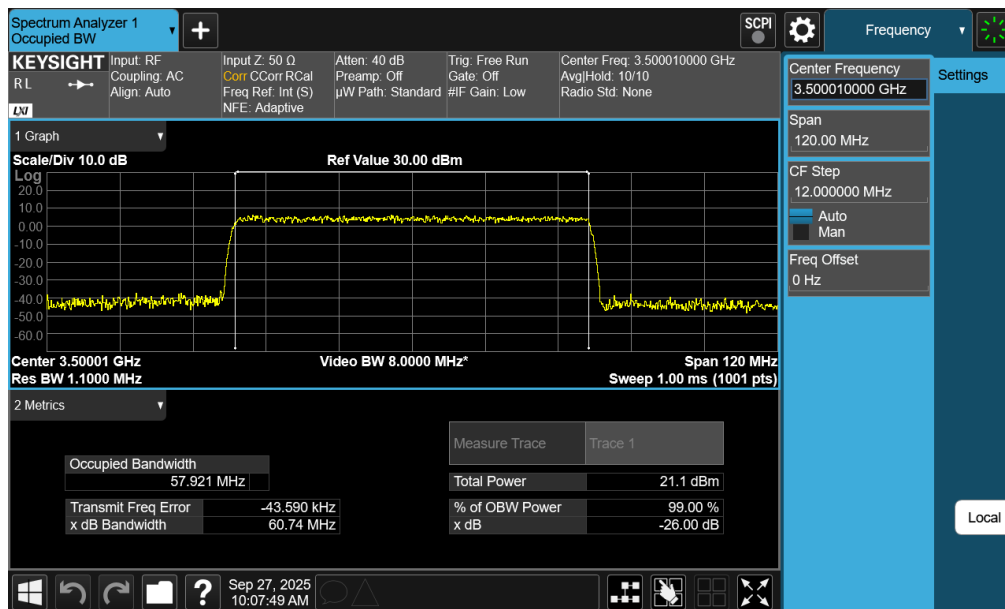
FCC ID: BCGA3460	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-11-R3.BCG	Test Dates: 07/01/2025 - 10/31/2025	EUT Type: Tablet Device	Page 36 of 258

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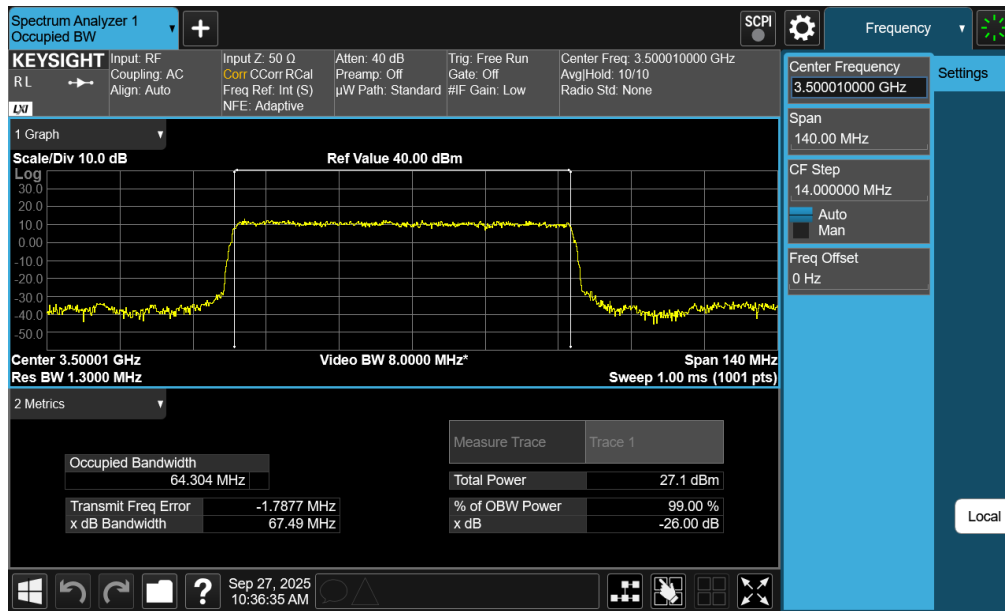


Plot 7-39. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 60MHz CP-OFDM 64-QAM - Full RB)

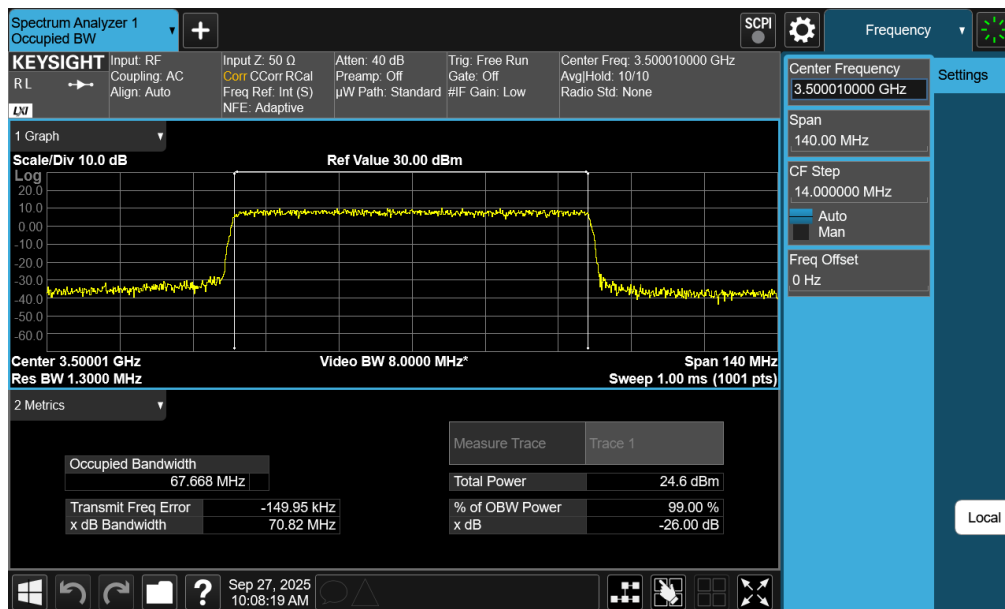


Plot 7-40. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 60MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA3460	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-11-R3.BCG	Test Dates: 07/01/2025 - 10/31/2025	EUT Type: Tablet Device	Page 37 of 258



Plot 7-41. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 70MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

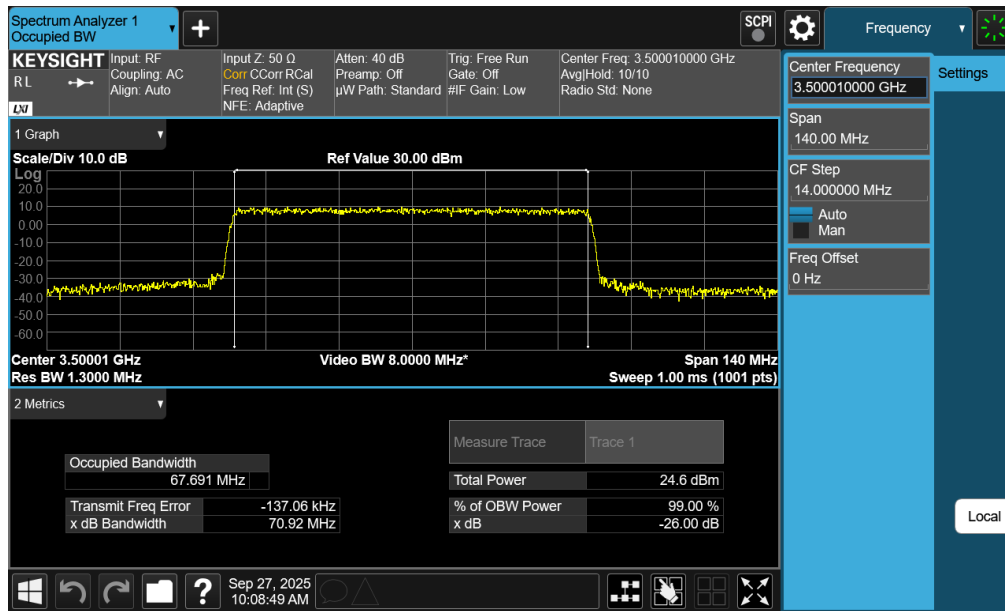


Plot 7-42. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 70MHz CP-OFDM QPSK - Full RB)

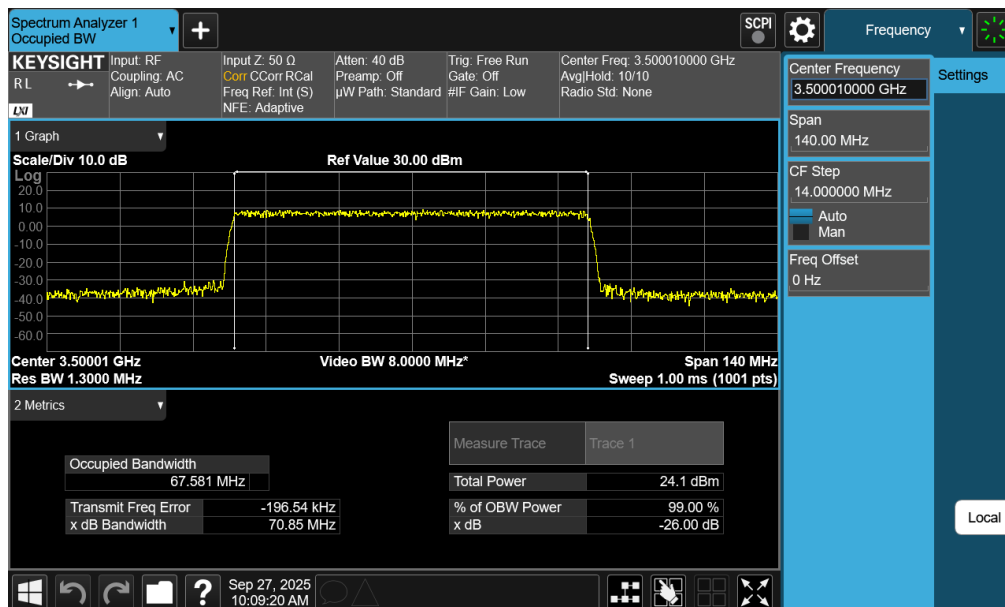
FCC ID: BCGA3460	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-11-R3.BCG	Test Dates: 07/01/2025 - 10/31/2025	EUT Type: Tablet Device	Page 38 of 258

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Plot 7-43. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 70MHz CP-OFDM 16-QAM - Full RB)

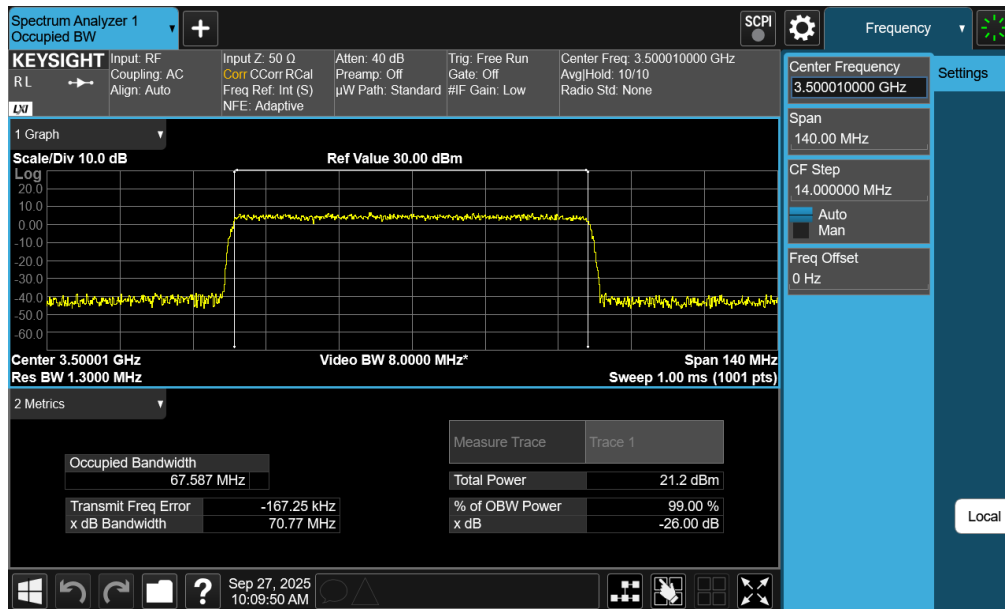


Plot 7-44. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 70MHz CP-OFDM 64-QAM - Full RB)

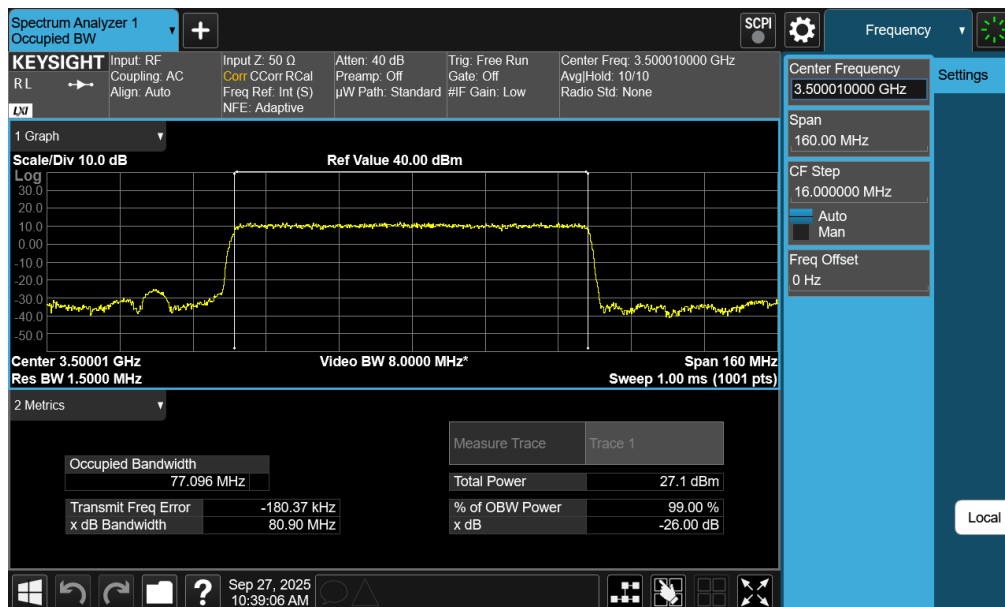
FCC ID: BCGA3460	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-11-R3.BCG	Test Dates: 07/01/2025 - 10/31/2025	EUT Type: Tablet Device	Page 39 of 258

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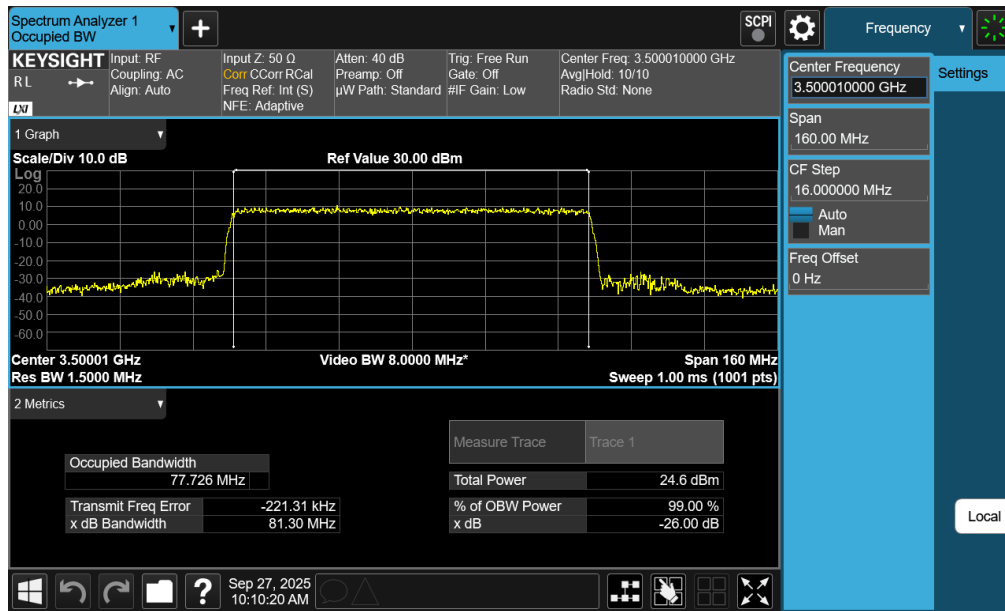
Plot 7-45. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 70MHz CP-OFDM 256-QAM - Full RB)



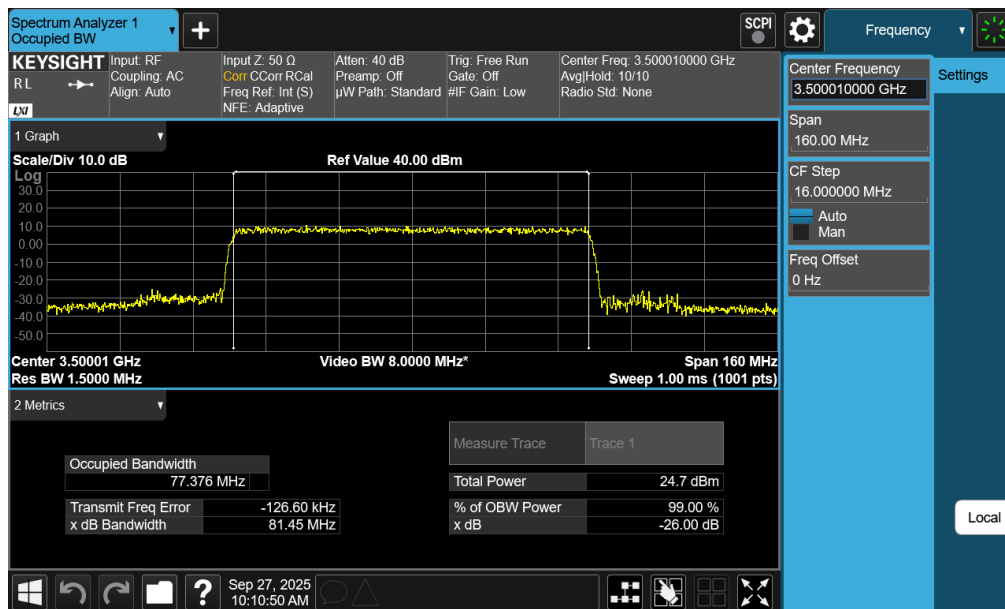
Plot 7-46. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 80MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA3460	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-47. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 80MHz CP-OFDM QPSK - Full RB)

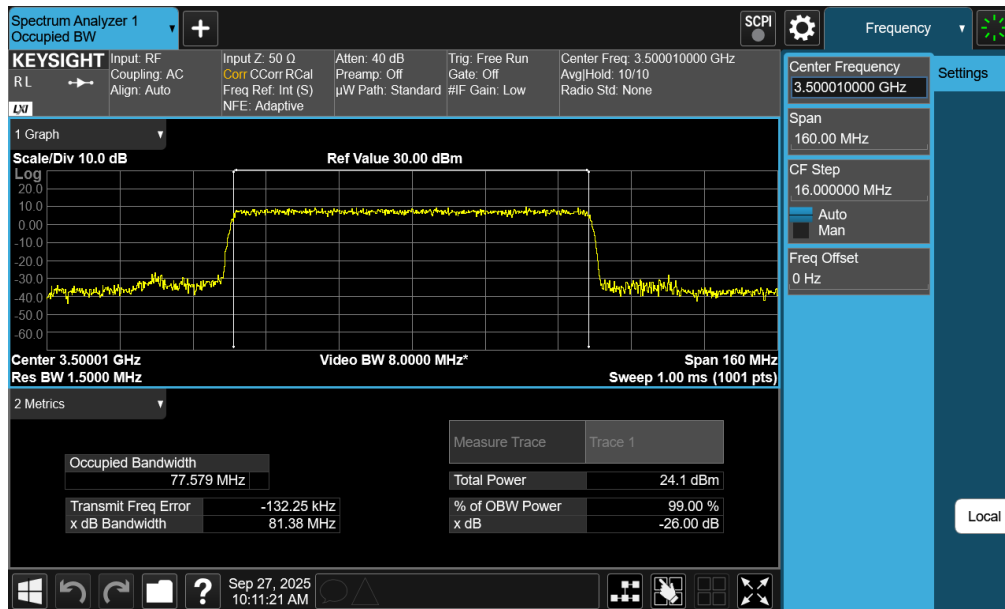


Plot 7-48. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 80MHz CP-OFDM 16-QAM - Full RB)

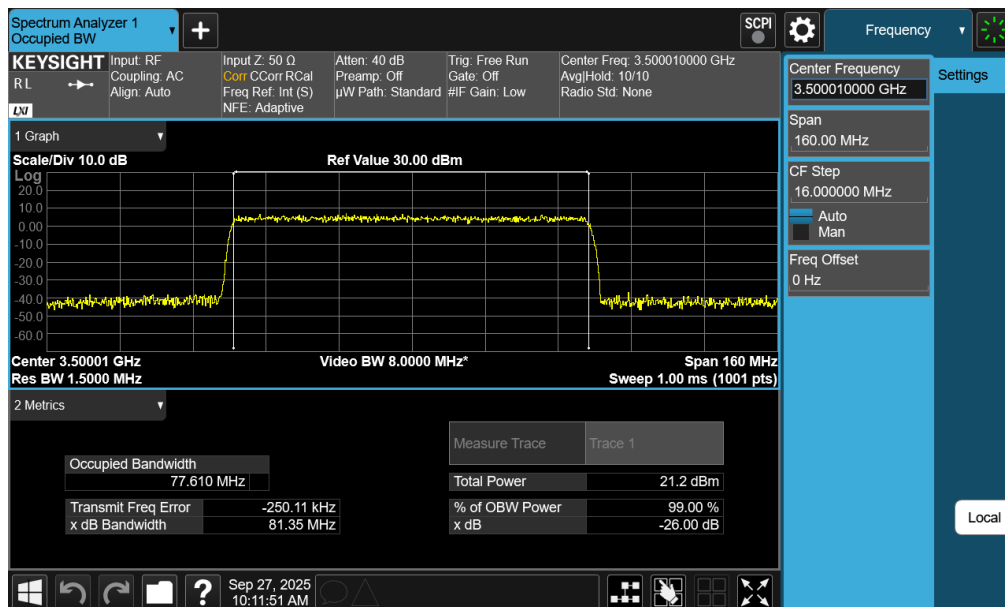
FCC ID: BCGA3460	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-11-R3.BCG	Test Dates: 07/01/2025 - 10/31/2025	EUT Type: Tablet Device	Page 41 of 258

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Plot 7-49. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 80MHz CP-OFDM 64-QAM - Full RB)

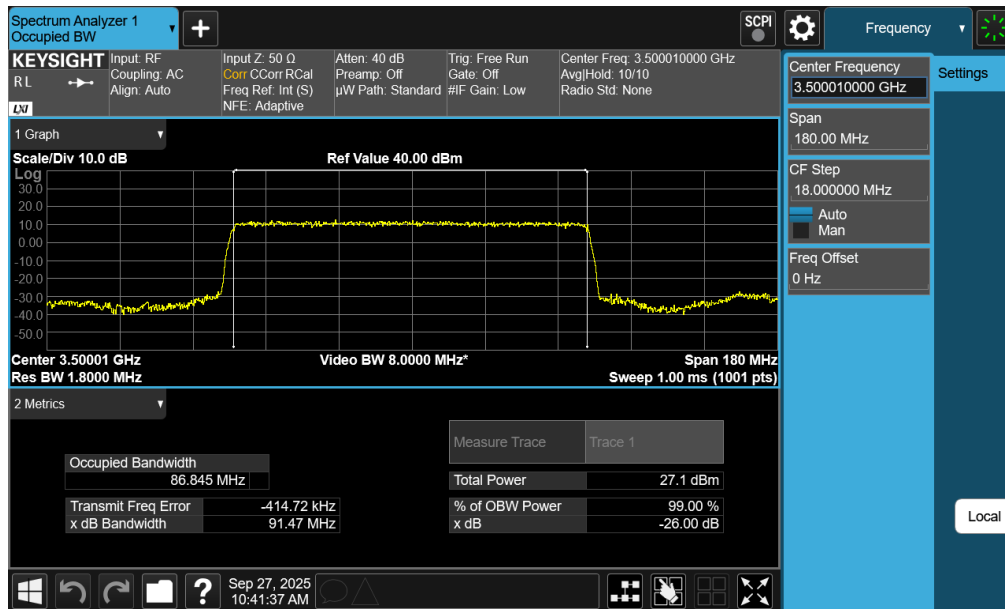


Plot 7-50. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 80MHz CP-OFDM 256-QAM - Full RB)

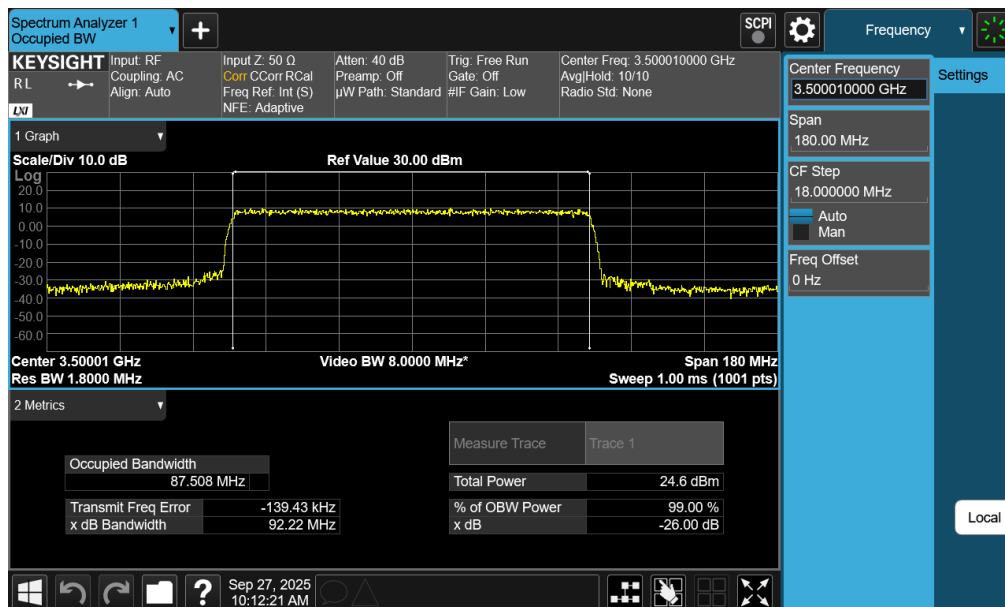
FCC ID: BCGA3460	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-11-R3.BCG	Test Dates: 07/01/2025 - 10/31/2025	EUT Type: Tablet Device	Page 42 of 258

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Plot 7-51. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 90MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

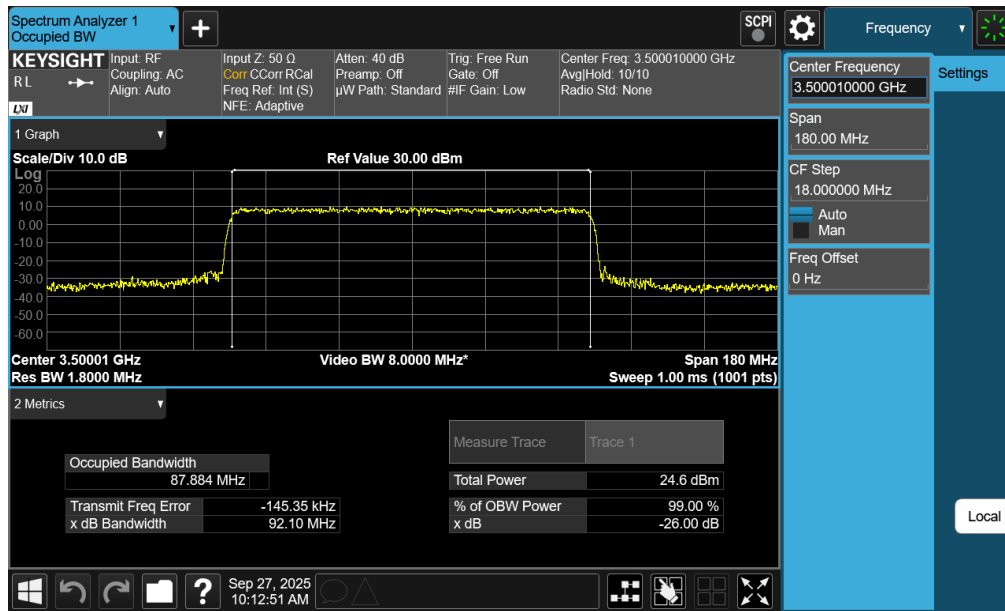


Plot 7-52. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 90MHz CP-OFDM QPSK - Full RB)

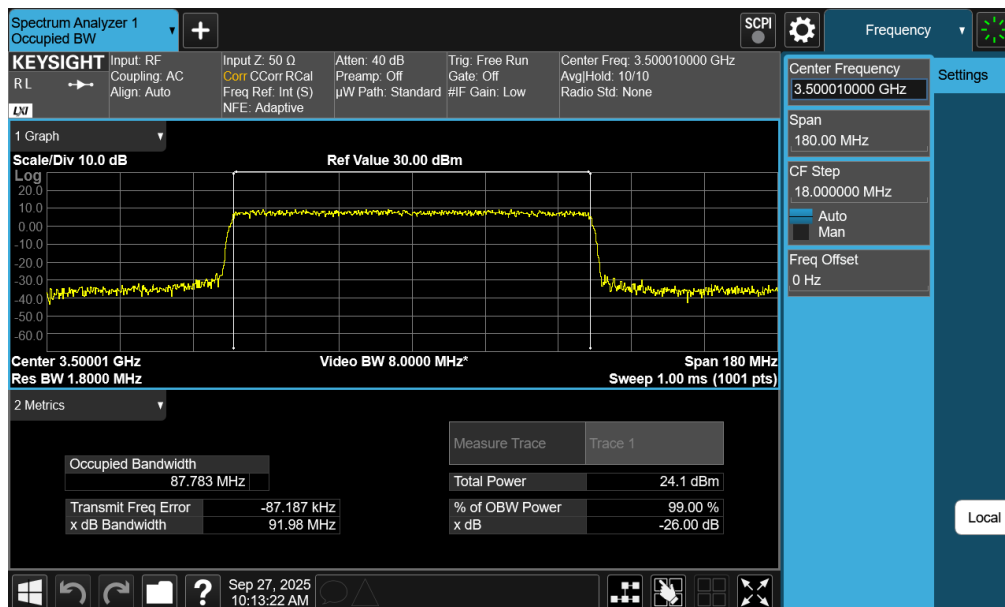
FCC ID: BCGA3460	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-11-R3.BCG	Test Dates: 07/01/2025 - 10/31/2025	EUT Type: Tablet Device	Page 43 of 258

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Plot 7-53. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 90MHz CP-OFDM 16-QAM - Full RB)

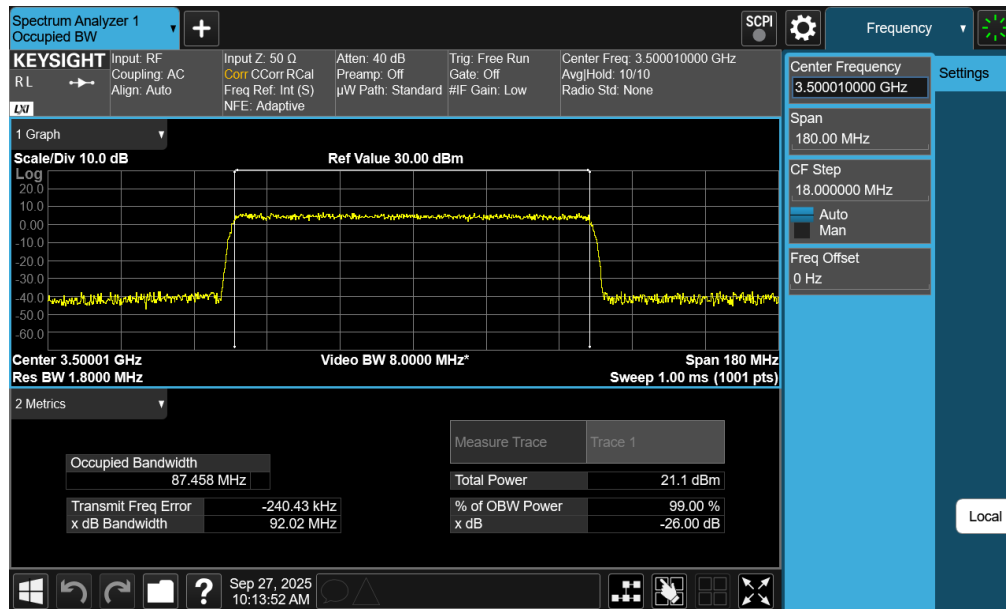


Plot 7-54. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 90MHz CP-OFDM 64-QAM - Full RB)

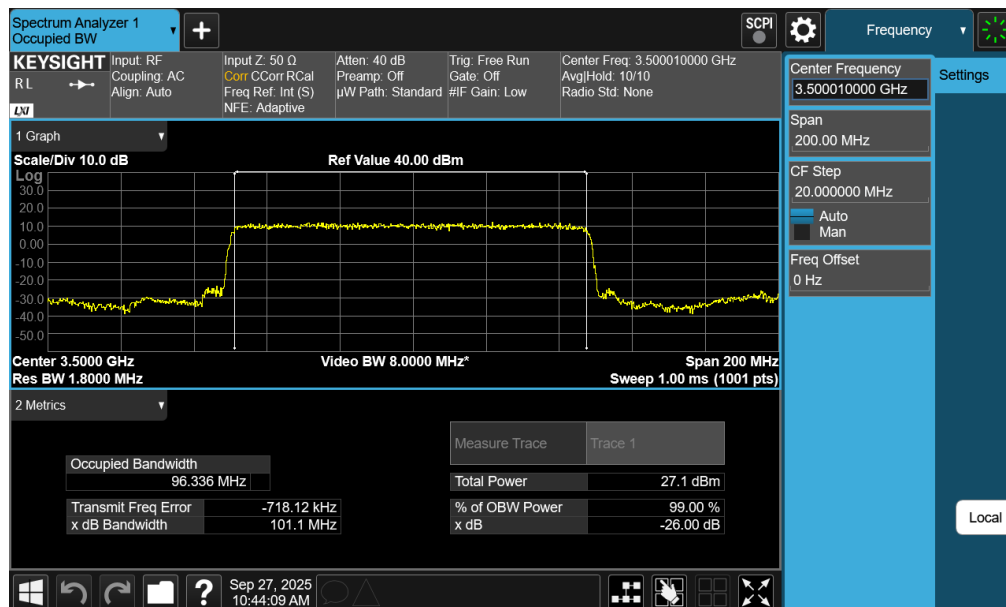
FCC ID: BCGA3460	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-11-R3.BCG	Test Dates: 07/01/2025 - 10/31/2025	EUT Type: Tablet Device	Page 44 of 258

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Plot 7-55. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 90MHz CP-OFDM 256-QAM - Full RB)

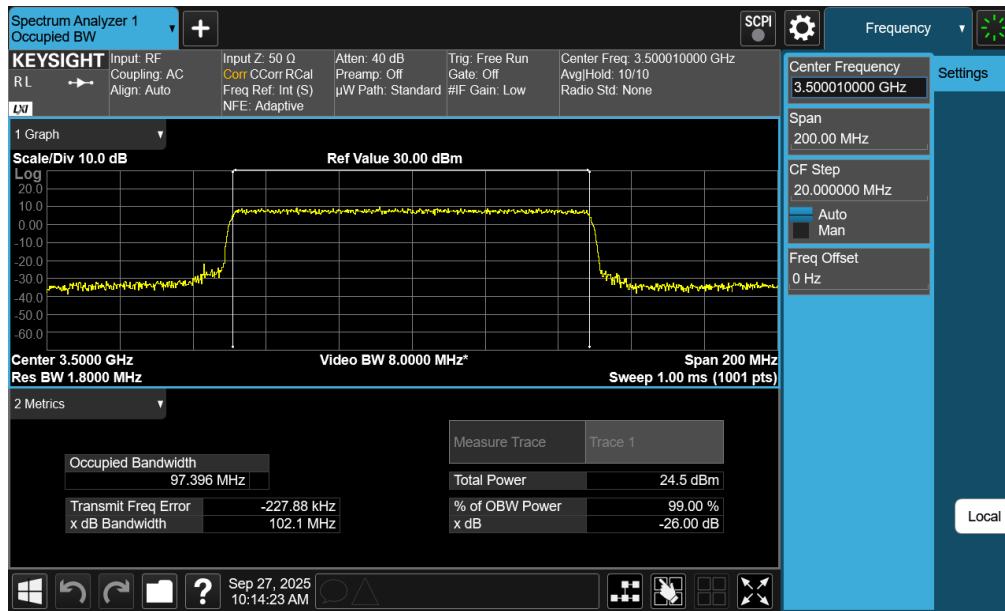


Plot 7-56. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 100MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

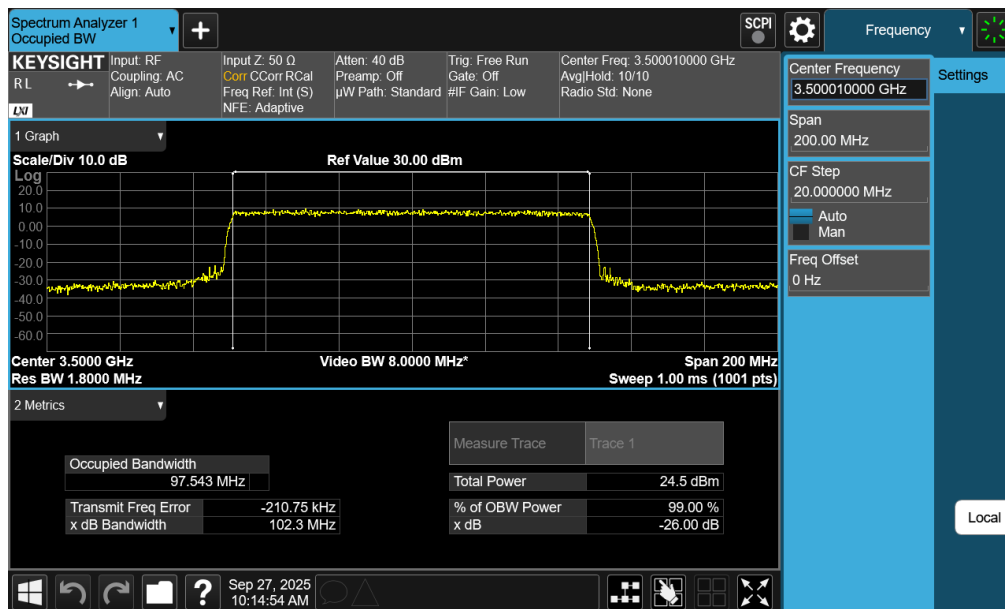
FCC ID: BCGA3460	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-11-R3.BCG	Test Dates: 07/01/2025 - 10/31/2025	EUT Type: Tablet Device
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Plot 7-57. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 100MHz CP-OFDM QPSK - Full RB)

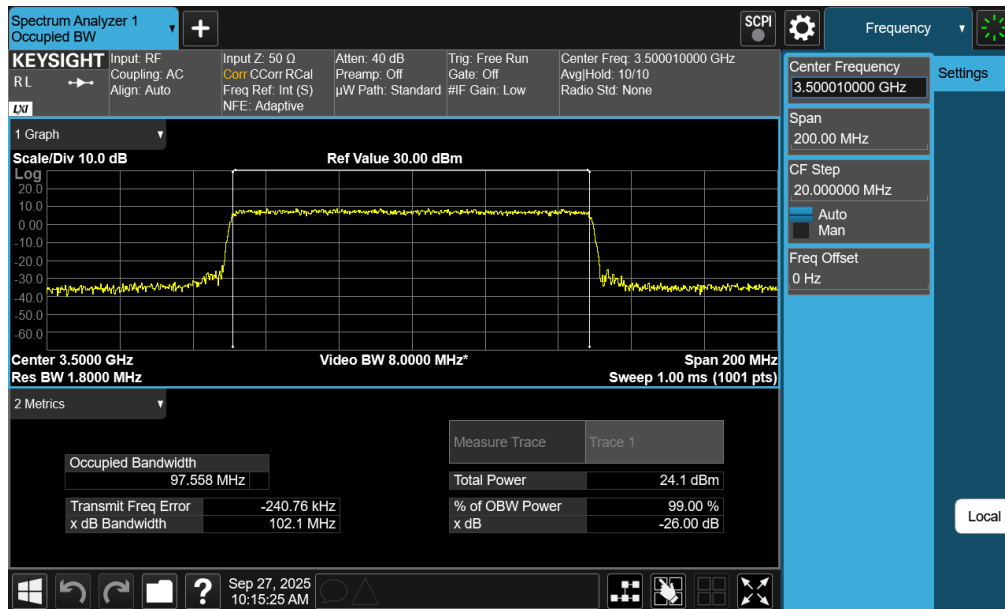


Plot 7-58. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 100MHz CP-OFDM 16-QAM - Full RB)

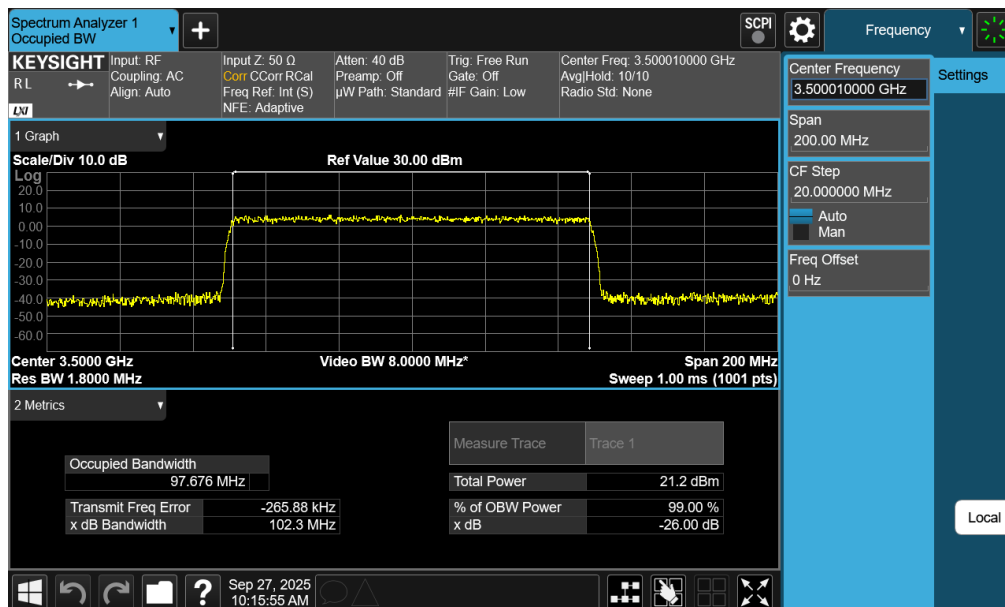
FCC ID: BCGA3460	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-59. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 100MHz CP-OFDM 64-QAM - Full RB)



Plot 7-60. Occupied Bandwidth Plot (NR Band n77 DoD-Band - 100MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA3460	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100080-11-R3.BCG	Test Dates: 07/01/2025 - 10/31/2025	EUT Type: Tablet Device	Page 47 of 258

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