



ELEMENT MATERIALS TECHNOLOGY

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MEASUREMENT REPORT PART 27

Applicant Name:

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

Date of Testing:

5/9/2025 - 8/7/2025

Test Report Issue Date:

9/9/2025

Test Site/Location:

Element Materials Technology, Morgan Hill, CA, USA

Test Report Serial No.:

1C2504170041-10-R1.BCG

FCC ID:

BCGA3361

Applicant Name:

Apple Inc.

Application Type:

Certification

Model:

A3361, A3362

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: 1C2504170041-10-R1.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: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170041-10-R1.BCG	Test Dates: 5/9/2025 - 8/7/2025	EUT Type: Tablet Device	Page 1 of 317

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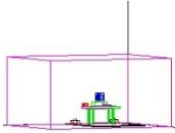
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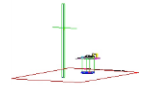
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PART 27 MEASUREMENT REPORT



Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	OBW [MHz]	EIRP		Emission Designator
					Max. Power [W]	Max. Power [dBm]	
LTE Band 30	5 MHz	QPSK	2307.5 - 2312.5	4.5512	0.204	23.10	4M55G7W
		16QAM	2307.5 - 2312.5	4.5276	0.162	22.09	4M53D7W
		64QAM	2307.5 - 2312.5	4.5308	0.130	21.13	4M53D7W
		256QAM	2307.5 - 2312.5	4.5414	0.073	18.62	4M54D7W
	10MHz	QPSK	2310	9.0344	0.199	22.99	9M03G7W
		16QAM	2310	9.0161	0.161	22.07	9M02D7W
		64QAM	2310	9.0407	0.126	21.02	9M04D7W
		256QAM	2310	9.0594	0.070	18.48	9M06D7W
LTE Band 7	5 MHz	QPSK	2502.5 - 2567.5	4.5334	0.417	26.20	4M53G7W
		16QAM	2502.5 - 2567.5	4.5373	0.329	25.17	4M54D7W
		64QAM	2502.5 - 2567.5	4.5463	0.262	24.19	4M55D7W
		256QAM	2502.5 - 2567.5	4.5217	0.143	21.54	4M52D7W
	10 MHz	QPSK	2505 - 2565	9.0390	0.396	25.98	9M04G7W
		16QAM	2505 - 2565	9.0268	0.330	25.18	9M03D7W
		64QAM	2505 - 2565	9.0246	0.263	24.20	9M02D7W
		256QAM	2505 - 2565	9.0158	0.136	21.34	9M02D7W
	15 MHz	QPSK	2507.5 - 2562.5	13.5330	0.407	26.10	13M5G7W
		16QAM	2507.5 - 2562.5	13.5200	0.330	25.18	13M5D7W
		64QAM	2507.5 - 2562.5	13.5480	0.259	24.14	13M5D7W
		256QAM	2507.5 - 2562.5	13.5130	0.139	21.44	13M5D7W
	20 MHz	QPSK	2510 - 2560	18.0100	0.414	26.17	18M0G7W
		16QAM	2510 - 2560	18.0200	0.327	25.14	18M0D7W
		64QAM	2510 - 2560	18.0290	0.263	24.20	18M0D7W
		256QAM	2510 - 2560	17.9980	0.145	21.60	18M0D7W
LTE Band 41 (PC2)	5 MHz	QPSK	2498.5 - 2687.5	4.5299	0.942	29.74	4M53G7W
		16QAM	2498.5 - 2687.5	4.5303	0.828	29.18	4M53D7W
		64QAM	2498.5 - 2687.5	4.5578	0.658	28.18	4M56D7W
		256QAM	2498.5 - 2687.5	4.5503	0.328	25.16	4M55D7W
	10 MHz	QPSK	2501 - 2685	9.0330	0.944	29.75	9M03G7W
		16QAM	2501 - 2685	9.0446	0.817	29.12	9M04D7W
		64QAM	2501 - 2685	9.0068	0.649	28.12	9M01D7W
		256QAM	2501 - 2685	9.0353	0.338	25.29	9M04D7W
	15 MHz	QPSK	2503.5 - 2682.5	13.5140	0.931	29.69	13M5G7W
		16QAM	2503.5 - 2682.5	13.4920	0.787	28.96	13M5D7W
		64QAM	2503.5 - 2682.5	13.5630	0.631	28.00	13M6D7W
		256QAM	2503.5 - 2682.5	13.5210	0.327	25.14	13M5D7W
	20 MHz	QPSK	2506 - 2680	18.0570	0.906	29.57	18M1G7W
		16QAM	2506 - 2680	18.0320	0.820	29.14	18M0D7W
		64QAM	2506 - 2680	17.9770	0.670	28.26	18M0D7W
		256QAM	2506 - 2680	17.9870	0.327	25.15	18M0D7W
LTE Band 41(PC3)	5 MHz	QPSK	2498.5 - 2687.5	4.5299	0.480	26.81	4M53G7W
		16QAM	2498.5 - 2687.5	4.5303	0.383	25.83	4M53D7W
		64QAM	2498.5 - 2687.5	4.5578	0.296	24.72	4M56D7W
		256QAM	2498.5 - 2687.5	4.5503	0.163	22.12	4M55D7W
	10 MHz	QPSK	2501 - 2685	9.0330	0.475	26.77	9M03G7W
		16QAM	2501 - 2685	9.0446	0.364	25.61	9M04D7W
		64QAM	2501 - 2685	9.0068	0.294	24.68	9M01D7W
		256QAM	2501 - 2685	9.0353	0.162	22.10	9M04D7W
	15 MHz	QPSK	2503.5 - 2682.5	13.5140	0.455	26.58	13M5G7W
		16QAM	2503.5 - 2682.5	13.4920	0.355	25.50	13M5D7W
		64QAM	2503.5 - 2682.5	13.5630	0.290	24.63	13M6D7W
		256QAM	2503.5 - 2682.5	13.5210	0.160	22.04	13M5D7W
	20 MHz	QPSK	2506 - 2680	18.0570	0.461	26.64	18M1G7W
		16QAM	2506 - 2680	18.0320	0.378	25.78	18M0D7W
		64QAM	2506 - 2680	17.9770	0.294	24.68	18M0D7W
		256QAM	2506 - 2680	17.9870	0.160	22.03	18M0D7W
ULCA LTE Band 7	20 + 20 MHz	QPSK	2520 - 2550	37.5500	0.439	26.42	37M5G7W
		16QAM	2520 - 2550	37.5330	0.282	24.50	37M5D7W
		64QAM	2520 - 2550	37.5230	0.229	23.60	37M5D7W
		256QAM	2520 - 2550	37.5260	0.145	21.60	37M5D7W
ULCA LTE Band 41(PC2)	20 + 20 MHz	QPSK	2516 - 2670	37.6020	0.873	29.41	37M6G7W
		16QAM	2516 - 2670	37.5990	0.610	27.85	37M6D7W
		64QAM	2516 - 2670	37.5550	0.459	26.62	37M6D7W
		256QAM	2516 - 2670	37.4950	0.226	23.54	37M5D7W
ULCA LTE Band 41(PC3)	20 + 20 MHz	QPSK	2516 - 2670	37.6020	0.467	26.69	37M6G7W
		16QAM	2516 - 2670	37.5990	0.284	24.54	37M6D7W
		64QAM	2516 - 2670	37.5550	0.227	23.56	37M6D7W
		256QAM	2516 - 2670	37.4950	0.117	20.67	37M5D7W

EUT Overview

FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	OBW [MHz]	EIRP		Emission Designator
					Max. Power [W]	Max. Power [dBm]	
NR Band n30	5 MHz	$\pi/2$ BPSK	2307.5 - 2312.5	4.4712	0.200	23.00	4M47G7W
		QPSK	2307.5 - 2312.5	4.4698	0.198	22.97	4M47G7W
		16QAM	2307.5 - 2312.5	4.4754	0.154	21.88	4M48D7W
		64QAM	2307.5 - 2312.5	4.4708	0.128	21.06	4M47D7W
		256QAM	2307.5 - 2312.5	4.4835	0.080	19.02	4M48D7W
	10MHz	$\pi/2$ BPSK	2310	8.9421	0.198	22.97	8M94G7W
		QPSK	2310	9.3048	0.198	22.96	9M30G7W
		16QAM	2310	9.2661	0.147	21.67	9M27D7W
		64QAM	2310	9.2532	0.124	20.93	9M25D7W
		256QAM	2310	9.3124	0.079	18.99	9M31D7W
NR Band n7	5 MHz	$\pi/2$ BPSK	2502.5 - 2567.5	4.5097	0.401	26.03	4M51G7W
		QPSK	2502.5 - 2567.5	4.4751	0.403	26.06	4M48G7W
		16QAM	2502.5 - 2567.5	4.4709	0.312	24.94	4M47D7W
		64QAM	2502.5 - 2567.5	4.4810	0.260	24.14	4M48D7W
		256QAM	2502.5 - 2567.5	4.4860	0.160	22.05	4M49D7W
	10 MHz	$\pi/2$ BPSK	2505 - 2565	8.9829	0.410	26.13	8M98G7W
		QPSK	2505 - 2565	9.2821	0.406	26.08	9M28G7W
		16QAM	2505 - 2565	9.3250	0.308	24.89	9M32D7W
		64QAM	2505 - 2565	9.3327	0.255	24.06	9M33D7W
		256QAM	2505 - 2565	9.2783	0.162	22.08	9M28D7W
	15 MHz	$\pi/2$ BPSK	2507.5 - 2562.5	13.4350	0.406	26.09	13M4G7W
		QPSK	2507.5 - 2562.5	14.1060	0.408	26.11	14M1G7W
		16QAM	2507.5 - 2562.5	14.1360	0.313	24.95	14M1D7W
		64QAM	2507.5 - 2562.5	14.1090	0.257	24.10	14M1D7W
		256QAM	2507.5 - 2562.5	14.0910	0.160	22.04	14M1D7W
	20 MHz	$\pi/2$ BPSK	2510 - 2560	17.9390	0.405	26.08	17M9G7W
		QPSK	2510 - 2560	18.9390	0.405	26.07	18M9G7W
		16QAM	2510 - 2560	18.9040	0.306	24.86	18M9D7W
		64QAM	2510 - 2560	18.9480	0.259	24.13	18M9D7W
		256QAM	2510 - 2560	18.9120	0.163	22.12	18M9D7W
	25 MHz	$\pi/2$ BPSK	2512.5 - 2557.5	22.8390	0.400	26.03	22M8G7W
		QPSK	2512.5 - 2557.5	23.7550	0.393	25.94	23M8G7W
		16QAM	2512.5 - 2557.5	23.8330	0.300	24.77	23M8D7W
		64QAM	2512.5 - 2557.5	23.7900	0.252	24.01	23M8D7W
		256QAM	2512.5 - 2557.5	23.7510	0.162	22.08	23M8D7W
	30 MHz	$\pi/2$ BPSK	2515 - 2555	28.5670	0.403	26.05	28M6G7W
		QPSK	2515 - 2555	28.5910	0.406	26.09	28M6G7W
		16QAM	2515 - 2555	28.6760	0.315	24.98	28M7D7W
		64QAM	2515 - 2555	28.6570	0.257	24.09	28M7D7W
		256QAM	2515 - 2555	28.7320	0.160	22.05	28M7D7W
	35 MHz	$\pi/2$ BPSK	2517.5 - 2552.5	32.2350	0.394	25.96	32M2G7W
		QPSK	2517.5 - 2552.5	33.6800	0.395	25.97	33M7G7W
		16QAM	2517.5 - 2552.5	33.6420	0.306	24.86	33M6D7W
		64QAM	2517.5 - 2552.5	33.6350	0.251	23.99	33M6D7W
		256QAM	2517.5 - 2552.5	33.6200	0.161	22.06	33M6D7W
	40 MHz	$\pi/2$ BPSK	2520 - 2550	38.6510	0.394	25.95	38M7G7W
		QPSK	2520 - 2550	38.6180	0.409	26.12	38M6G7W
		16QAM	2520 - 2550	38.6470	0.308	24.89	38M6D7W
		64QAM	2520 - 2550	38.6700	0.251	24.00	38M7D7W
		256QAM	2520 - 2550	38.6600	0.161	22.08	38M7D7W
	50 MHz	$\pi/2$ BPSK	2525 - 2545	48.1790	0.399	26.01	48M2G7W
		QPSK	2525 - 2545	48.2550	0.391	25.92	48M3G7W
		16QAM	2525 - 2545	48.1770	0.291	24.65	48M2D7W
		64QAM	2525 - 2545	48.2760	0.249	23.96	48M3D7W
		256QAM	2525 - 2545	48.2980	0.159	22.00	48M3D7W

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Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	OBW [MHz]	EIRP		Emission Designator
					Max. Power [W]	Max. Power [dBm]	
NR Band n41 (PC2)	10 MHz	11/2 BPSK	2501 - 2685	8.6328	0.927	29.67	8M63G7W
		QPSK	2501 - 2685	8.5973	0.925	29.66	8M60G7W
		16QAM	2501 - 2685	8.5982	0.703	28.47	8M60D7W
		64QAM	2501 - 2685	8.5759	0.528	27.23	8M58D7W
		256QAM	2501 - 2685	8.6066	0.337	25.27	8M61D7W
	15MHz	11/2 BPSK	2503.5 - 2682.5	12.8570	0.910	29.59	12M9G7W
		QPSK	2503.5 - 2682.5	13.5580	0.942	29.74	13M6G7W
		16QAM	2503.5 - 2682.5	13.5910	0.762	28.82	13M6D7W
		64QAM	2503.5 - 2682.5	13.5920	0.519	27.15	13M6D7W
		256QAM	2503.5 - 2682.5	13.6490	0.327	25.14	13M6D7W
	20 MHz	11/2 BPSK	2506 - 2680	17.8360	0.920	29.64	17M8G7W
		QPSK	2506 - 2680	18.2200	0.914	29.61	18M2G7W
		16QAM	2506 - 2680	18.2400	0.731	28.64	18M2D7W
		64QAM	2506 - 2680	18.2450	0.521	27.17	18M2D7W
		256QAM	2506 - 2680	18.2270	0.343	25.35	18M2D7W
	25MHz	11/2 BPSK	2508.5 - 2677.5	22.9300	0.925	29.66	22M9G7W
		QPSK	2508.5 - 2677.5	23.2620	0.906	29.57	23M3G7W
		16QAM	2508.5 - 2677.5	23.1900	0.685	28.36	23M2D7W
		64QAM	2508.5 - 2677.5	23.2330	0.526	27.21	23M2D7W
		256QAM	2508.5 - 2677.5	23.2380	0.334	25.24	23M2D7W
	30MHz	11/2 BPSK	2511 - 2675	26.8420	0.925	29.66	26M8G7W
		QPSK	2511 - 2675	27.9420	0.923	29.65	27M9G7W
		16QAM	2511 - 2675	27.9040	0.738	28.68	27M9D7W
		64QAM	2511 - 2675	27.8540	0.528	27.23	27M9D7W
		256QAM	2511 - 2675	27.8180	0.352	25.46	27M8D7W
	35 MHz	11/2 BPSK	2513.5 - 2672.5	32.3970	0.920	29.64	32M4G7W
		QPSK	2513.5 - 2672.5	33.0170	0.931	29.69	33M0G7W
		16QAM	2513.5 - 2672.5	32.8860	0.724	28.60	32M9D7W
		64QAM	2513.5 - 2672.5	32.8740	0.516	27.13	32M9D7W
		256QAM	2513.5 - 2672.5	32.9960	0.342	25.34	33M0D7W
	40 MHz	11/2 BPSK	2516 - 2670	35.6590	0.931	29.69	35M7G7W
		QPSK	2516 - 2670	37.9020	0.957	29.81	37M9G7W
		16QAM	2516 - 2670	37.8650	0.741	28.70	37M9D7W
		64QAM	2516 - 2670	37.9030	0.526	27.21	37M9D7W
		256QAM	2516 - 2670	37.9890	0.347	25.40	38M0D7W
	45 MHz	11/2 BPSK	2518.5 - 2667.5	38.6190	0.914	29.61	38M6G7W
		QPSK	2518.5 - 2667.5	42.4330	0.931	29.69	42M4G7W
		16QAM	2518.5 - 2667.5	42.4600	0.700	28.45	42M5D7W
		64QAM	2518.5 - 2667.5	42.6000	0.515	27.12	42M6D7W
		256QAM	2518.5 - 2667.5	42.5440	0.339	25.30	42M5D7W
	50 MHz	11/2 BPSK	2521 - 2665	45.7940	0.906	29.57	45M8G7W
		QPSK	2521 - 2665	47.5280	0.912	29.60	47M5G7W
		16QAM	2521 - 2665	47.4290	0.764	28.83	47M4D7W
		64QAM	2521 - 2665	47.3970	0.512	27.09	47M4D7W
		256QAM	2521 - 2665	47.4650	0.331	25.20	47M5D7W
	60 MHz	11/2 BPSK	2526 - 2660	57.9240	0.929	29.68	57M9G7W
		QPSK	2526 - 2660	57.8700	0.923	29.65	57M9G7W
		16QAM	2526 - 2660	57.8580	0.684	28.35	57M9D7W
		64QAM	2526 - 2660	58.0040	0.513	27.10	58M0D7W
		256QAM	2526 - 2660	58.0620	0.350	25.44	58M1D7W
	70 MHz	11/2 BPSK	2531 - 2655	64.4170	0.912	29.60	64M4G7W
		QPSK	2531 - 2655	67.6290	0.933	29.70	67M6G7W
		16QAM	2531 - 2655	67.6820	0.693	28.41	67M7D7W
		64QAM	2531 - 2655	67.5410	0.512	27.09	67M5D7W
		256QAM	2531 - 2655	67.5160	0.340	25.32	67M5D7W
	80 MHz	11/2 BPSK	2536 - 2650	77.1840	0.925	29.66	77M2G7W
		QPSK	2536 - 2650	77.5760	0.935	29.71	77M6G7W
		16QAM	2536 - 2650	77.6400	0.708	28.50	77M6D7W
		64QAM	2536 - 2650	77.7960	0.528	27.23	77M8D7W
		256QAM	2536 - 2650	77.6420	0.341	25.33	77M6D7W
	90 MHz	11/2 BPSK	2541 - 2645	86.8140	0.927	29.67	86M8G7W
		QPSK	2541 - 2645	87.7740	0.951	29.78	87M8G7W
		16QAM	2541 - 2645	87.5840	0.701	28.46	87M6D7W
		64QAM	2541 - 2645	87.7810	0.528	27.23	87M8D7W
		256QAM	2541 - 2645	87.5650	0.337	25.28	87M6D7W
	100 MHz	11/2 BPSK	2546 - 2640	96.3720	0.920	29.64	96M4G7W
		QPSK	2546 - 2640	97.6180	0.938	29.72	97M6G7W
		16QAM	2546 - 2640	97.7310	0.705	28.48	97M7D7W
		64QAM	2546 - 2640	97.5380	0.511	27.08	97M5D7W
		256QAM	2546 - 2640	97.3900	0.337	25.28	97M4D7W

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Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	OBW [MHz]	EIRP		Emission Designator
					Max. Power [W]	Max. Power [dBm]	
NR Band n41 (PC3)	10 MHz	11/2 BPSK	2501 - 2685	8.6328	0.479	26.80	8M63G7W
		QPSK	2501 - 2685	8.5973	0.498	26.97	8M60G7W
		16QAM	2501 - 2685	8.5982	0.366	25.64	8M60D7W
		64QAM	2501 - 2685	8.5759	0.282	24.51	8M58D7W
		256QAM	2501 - 2685	8.6066	0.182	22.59	8M61D7W
	15MHz	11/2 BPSK	2503.5 - 2682.5	12.8570	0.484	26.85	12M9G7W
		QPSK	2503.5 - 2682.5	13.5580	0.489	26.89	13M6G7W
		16QAM	2503.5 - 2682.5	13.5910	0.391	25.92	13M6D7W
		64QAM	2503.5 - 2682.5	13.5920	0.272	24.35	13M6D7W
		256QAM	2503.5 - 2682.5	13.6490	0.183	22.62	13M6D7W
	20 MHz	11/2 BPSK	2506 - 2680	17.8360	0.467	26.69	17M8G7W
		QPSK	2506 - 2680	18.2200	0.492	26.92	18M2G7W
		16QAM	2506 - 2680	18.2400	0.394	25.95	18M2D7W
		64QAM	2506 - 2680	18.2450	0.276	24.41	18M2D7W
		256QAM	2506 - 2680	18.2270	0.178	22.51	18M2D7W
	25MHz	11/2 BPSK	2508.5 - 2677.5	22.9300	0.473	26.75	22M9G7W
		QPSK	2508.5 - 2677.5	23.2620	0.490	26.90	23M3G7W
		16QAM	2508.5 - 2677.5	23.1900	0.372	25.71	23M2D7W
		64QAM	2508.5 - 2677.5	23.2330	0.272	24.35	23M2D7W
		256QAM	2508.5 - 2677.5	23.2380	0.177	22.49	23M2D7W
	30MHz	11/2 BPSK	2511 - 2675	26.8420	0.482	26.83	26M8G7W
		QPSK	2511 - 2675	27.9420	0.498	26.97	27M9G7W
		16QAM	2511 - 2675	27.9040	0.378	25.78	27M9D7W
		64QAM	2511 - 2675	27.8540	0.287	24.58	27M9D7W
		256QAM	2511 - 2675	27.8180	0.181	22.57	27M8D7W
	35 MHz	11/2 BPSK	2513.5 - 2672.5	32.3970	0.474	26.76	32M4G7W
		QPSK	2513.5 - 2672.5	33.0170	0.488	26.88	33M0G7W
		16QAM	2513.5 - 2672.5	32.8860	0.373	25.72	32M9D7W
		64QAM	2513.5 - 2672.5	32.8740	0.269	24.29	32M9D7W
		256QAM	2513.5 - 2672.5	32.9960	0.178	22.50	33M0D7W
	40 MHz	11/2 BPSK	2516 - 2670	35.6590	0.480	26.81	35M7G7W
		QPSK	2516 - 2670	37.9020	0.497	26.96	37M9G7W
		16QAM	2516 - 2670	37.8650	0.381	25.81	37M9D7W
		64QAM	2516 - 2670	37.9030	0.278	24.44	37M9D7W
		256QAM	2516 - 2670	37.9890	0.179	22.52	38M0D7W
	45 MHz	11/2 BPSK	2518.5 - 2667.5	38.6190	0.480	26.81	38M6G7W
		QPSK	2518.5 - 2667.5	42.4330	0.485	26.86	42M4G7W
		16QAM	2518.5 - 2667.5	42.4600	0.376	25.75	42M5D7W
		64QAM	2518.5 - 2667.5	42.6000	0.273	24.36	42M6D7W
		256QAM	2518.5 - 2667.5	42.5440	0.181	22.57	42M5D7W
	50 MHz	11/2 BPSK	2521 - 2665	45.7940	0.475	26.77	45M8G7W
		QPSK	2521 - 2665	47.5280	0.479	26.80	47M5G7W
		16QAM	2521 - 2665	47.4290	0.373	25.72	47M4D7W
		64QAM	2521 - 2665	47.3970	0.274	24.38	47M4D7W
		256QAM	2521 - 2665	47.4650	0.181	22.57	47M5D7W
	60 MHz	11/2 BPSK	2526 - 2660	57.9240	0.488	26.88	57M9G7W
		QPSK	2526 - 2660	57.8700	0.491	26.91	57M9G7W
		16QAM	2526 - 2660	57.8580	0.376	25.75	57M9D7W
		64QAM	2526 - 2660	58.0040	0.272	24.34	58M0D7W
		256QAM	2526 - 2660	58.0620	0.173	22.38	58M1D7W
	70 MHz	11/2 BPSK	2531 - 2655	64.4170	0.479	26.80	64M4G7W
		QPSK	2531 - 2655	67.6290	0.492	26.92	67M6G7W
		16QAM	2531 - 2655	67.6820	0.364	25.61	67M7D7W
		64QAM	2531 - 2655	67.5410	0.277	24.43	67M5D7W
		256QAM	2531 - 2655	67.5160	0.180	22.55	67M5D7W
	80 MHz	11/2 BPSK	2536 - 2650	77.1840	0.469	26.71	77M2G7W
		QPSK	2536 - 2650	77.5760	0.488	26.88	77M6G7W
		16QAM	2536 - 2650	77.6400	0.372	25.71	77M6D7W
		64QAM	2536 - 2650	77.7960	0.281	24.49	77M8D7W
		256QAM	2536 - 2650	77.6420	0.180	22.56	77M6D7W
	90 MHz	11/2 BPSK	2541 - 2645	86.8140	0.489	26.89	86M8G7W
		QPSK	2541 - 2645	87.7740	0.501	27.00	87M8G7W
		16QAM	2541 - 2645	87.5840	0.381	25.81	87M6D7W
		64QAM	2541 - 2645	87.7810	0.274	24.38	87M8D7W
		256QAM	2541 - 2645	87.5650	0.176	22.46	87M6D7W
	100 MHz	11/2 BPSK	2546 - 2640	96.3720	0.488	26.88	96M4G7W
		QPSK	2546 - 2640	97.6180	0.482	26.83	97M6G7W
		16QAM	2546 - 2640	97.7310	0.377	25.76	97M7D7W
		64QAM	2546 - 2640	97.5380	0.269	24.30	97M5D7W
		256QAM	2546 - 2640	97.3900	0.174	22.40	97M4D7W

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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 ISSED Standards (RSS).
- Element Materials Technology facility is a registered (22831) test laboratory with the site description on file with ISSED.
- Element Washington DC LLC is a Recognized U.S. Certification Assessment Body (CAB # US0110) for ISSED Canada as designated by NIST under the U.S. and Canada Mutual 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:BCGA3361**. 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.: GXN4VKJ5GF, M7QW4VF4GQ, DQK4PG2D6J, H9HHG4000900000X4G, H9HHG40009S0000X4G

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.

Measurements for LTE Band 41, FR1 Band n41, and LTE ULCA B41 were performed with NS04 for all antennas.

This device supports simultaneous transmission operations, which allows 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 4a	Config 1	✓	✗	✗	✗	✓	✗	✗	✗	✗
Ant 4a	Config 2	✓	✗	✗	✗	✗	✓	✗	✗	✗
Ant 4a	Config 3	✗	✓	✗	✗	✓	✗	✗	✗	✗
Ant 4a	Config 4	✗	✓	✗	✗	✗	✓	✗	✗	✗
Ant 4a	Config 5	✗	✗	✓	✓	✗	✗	✗	✗	✗
Ant 4a	Config 6	✗	✗	✓	✗	✓	✗	✗	✗	✗
Ant 4a	Config 7	✗	✗	✓	✗	✗	✓	✗	✗	✗
Ant 2a	Config 8	✓	✗	✗	✗	✓	✗	✗	✗	✗
Ant 2a	Config 9	✓	✗	✗	✗	✗	✓	✗	✗	✗
Ant 2a	Config 10	✗	✓	✗	✗	✓	✗	✗	✗	✗
Ant 2a	Config 11	✗	✓	✗	✗	✗	✓	✗	✗	✗
Ant 2a	Config 12	✗	✗	✓	✓	✗	✗	✗	✗	✗
Ant 2a	Config 13	✗	✗	✓	✗	✓	✗	✗	✗	✗
Ant 2a	Config 14	✗	✗	✓	✗	✗	✓	✗	✗	✗

Table 2-1. Simultaneous Transmission Configurations

✓ = Support; ✗ = Not Support

Note:

1. All the above simultaneous transmission configurations have been tested and the worst case configuration was found to be Config 1 and reported in RF Bluetooth and RF UNII 5GHz OFDM test reports.

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2.3 Antenna Description

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

Band	Antenna Gain [dBi]			
	Antenna 4b	Antenna 1	Antenna 3	Antenna 2b
LTE Band 30	0.2	-0.2	0.5	-1.3
NR Band n30				
LTE Band 7	0.0	0.5	1.4	-1.6
NR Band n7				
LTE Band 41	-0.2	1.3	1.3	-2.4
NR Band n41				

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:	C4H042705ZNP0WA6
2	Apple USB-C Cable	Model:	Spartan	S/N:	GXK1336018XKTR024
3	USB-C Cable	Model:	A246C	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 23A256 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:

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

And

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

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

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	2.07
Radiated Disturbance (<30MHz)	4.12
Radiated Disturbance (30MHz-1GHz)	4.85
Radiated Disturbance (1-18GHz)	5.08
Radiated Disturbance (>18GHz)	5.22

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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 Antenna (1-18 GHz)	9/25/2024	Annual	9/25/2025	00240109
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
Rohde & Schwarz	FSW43	Spectrum Analyzer 2Hz to 43GHz	11/21/2024	Annual	11/21/2025	104093
Rohde & Schwarz	TS-PR18	Pre-Amplifier (1GHz - 18GHz)	8/14/2024	Annual	8/14/2025	101648
Rohde & Schwarz	ESW44	EMI Test Receiver	10/17/2024	Annual	10/17/2025	101668
Rohde & Schwarz	TS-PR8	Pre-Amplifier (30MHz - 8GHz)	9/20/2024	Annual	9/20/2025	102327
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	11/30/2023	Annual	10/2/2025	191707
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	10/21/2024	Annual	10/21/2025	187423
Rohde & Schwarz	TS-PR1840	Pre-Amplifier (18GHz - 40GHz)	6/3/2025	Annual	6/3/2026	100052
Rohde & Schwarz	HFH2-Z2	Loop Antenna	5/12/2025	Annual	5/12/2026	100546
Schwarzbeck	VULB 9162	Bilog Antenna (30MHz - 6GHz)	9/18/2024	Annual	9/18/2025	00358

Table 5-1. Test Equipment

Notes:

1. 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.
2. * 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: BCGA3361
FCC Classification: PCS Licensed Transmitter (PCB)
Mode(s): LTE/NR/ULCA

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 (LTE Band 30 and NR Band n30)	2.1051, 27.53(a)	Undesirable emissions must meet the limits detailed in 27.53(a)	PASS	Sections 7.3, 7.4
	Conducted Band Edge / Spurious Emissions (LTE Band 7 and NR Band n7)	2.1051, 27.53(m)	Undesirable emissions must meet the limits detailed in 27.53(m)	PASS	Sections 7.3, 7.4
	Conducted Band Edge / Spurious Emissions (LTE Band 41 and NR Band n41)			PASS	Sections 7.3, 7.4
	Transmitter Conducted Output Power	2.1046	N/A	N/A	See RF Exposure Report
	Effective Radiated Power / Equivalent Isotropic Radiated Power (LTE Band 30 and NR Band n30)	27.50(a)(3)	< 0.25 Watts max. EIRP	PASS	Section 7.6
	Effective Radiated Power / Equivalent Isotropic Radiated Power (LTE Band 7 and NR Band n7)	27.50(h)(2)	< 2 Watts max. EIRP	PASS	Section 7.6
	Effective Radiated Power / Equivalent Isotropic Radiated Power (LTE Band 41 and NR Band n41)			PASS	Section 7.6
	Frequency Stability	2.1055, 27.54	Fundamental emissions stay within authorized frequency block over the temperature and voltage range as tested	PASS	Section 7.8
RADIATED	Radiated Spurious Emissions (LTE Band 30 and NR Band n30)	2.1053, 27.53(a)	> 70 + 10log10(P[Watts])	PASS	Section 7.7
	Radiated Spurious Emissions (LTE Band 7 and NR Band n7)	2.1053, 27.53(m)	Undesirable emissions must meet the limits detailed in 27.53(m)	PASS	Section 7.7
	Radiated Spurious Emissions (LTE Band 41 and NR Band n41)			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 3.4.2.

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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.

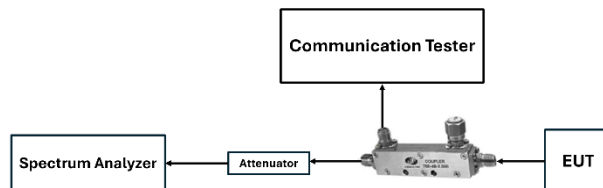


Figure 7-1. LTE Test Instrument & Measurement Setup

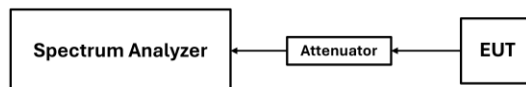


Figure 7-2. FR1 Test Instrument & Measurement Setup

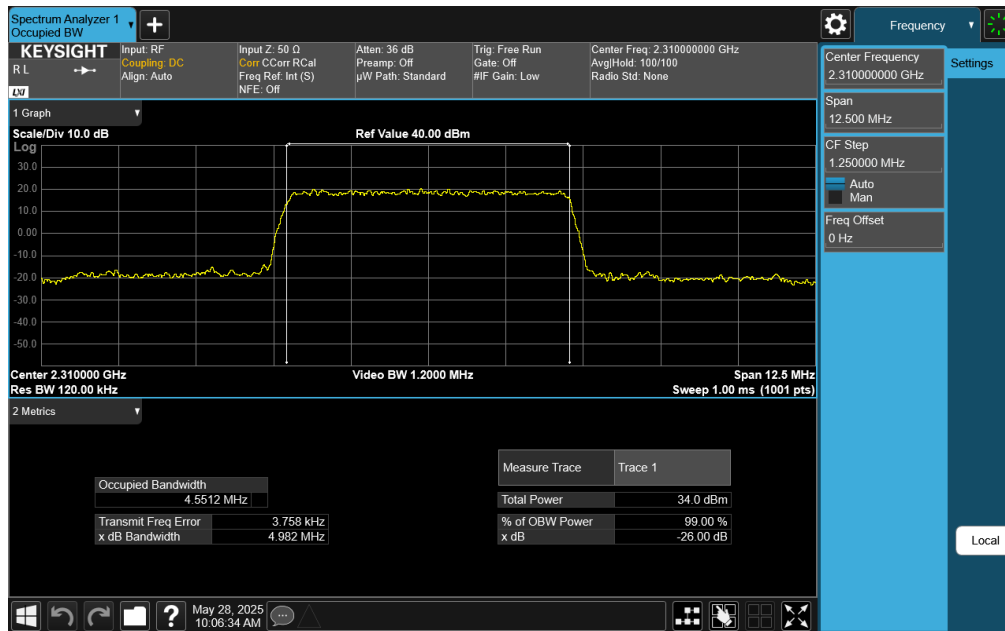
Test Notes

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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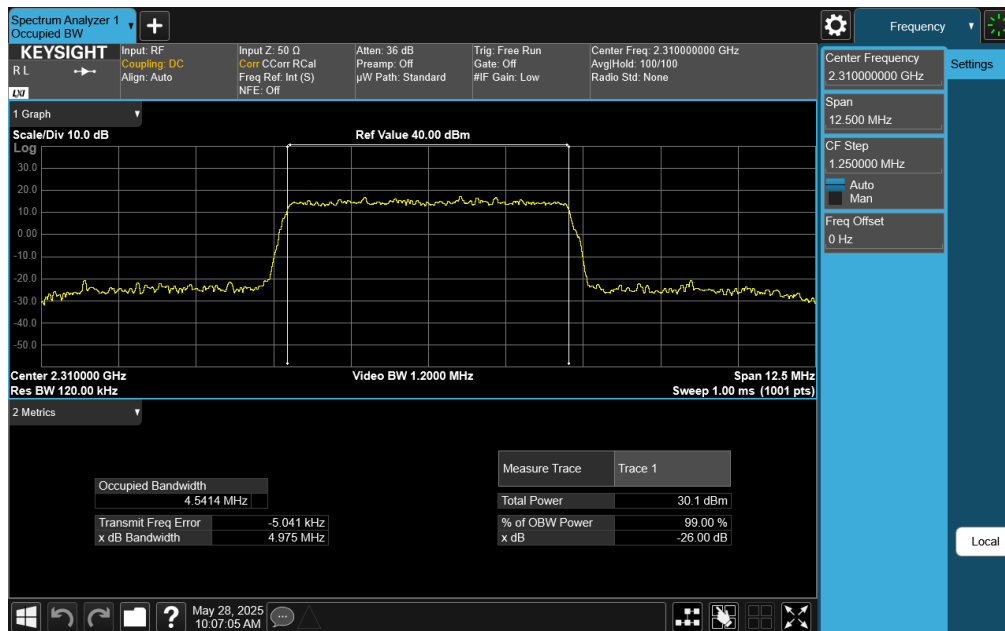
LTE Band 30



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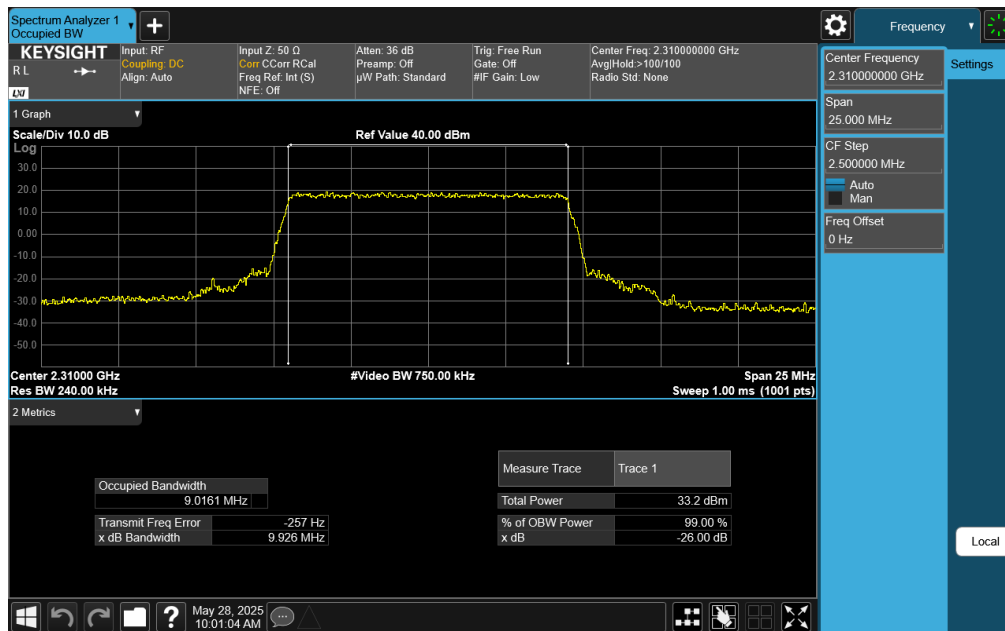
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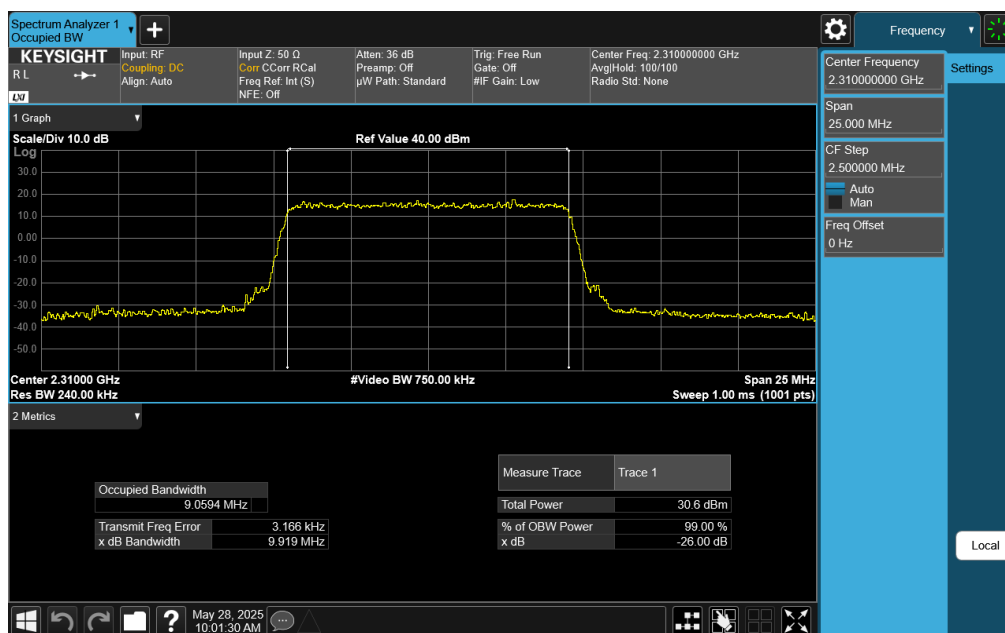
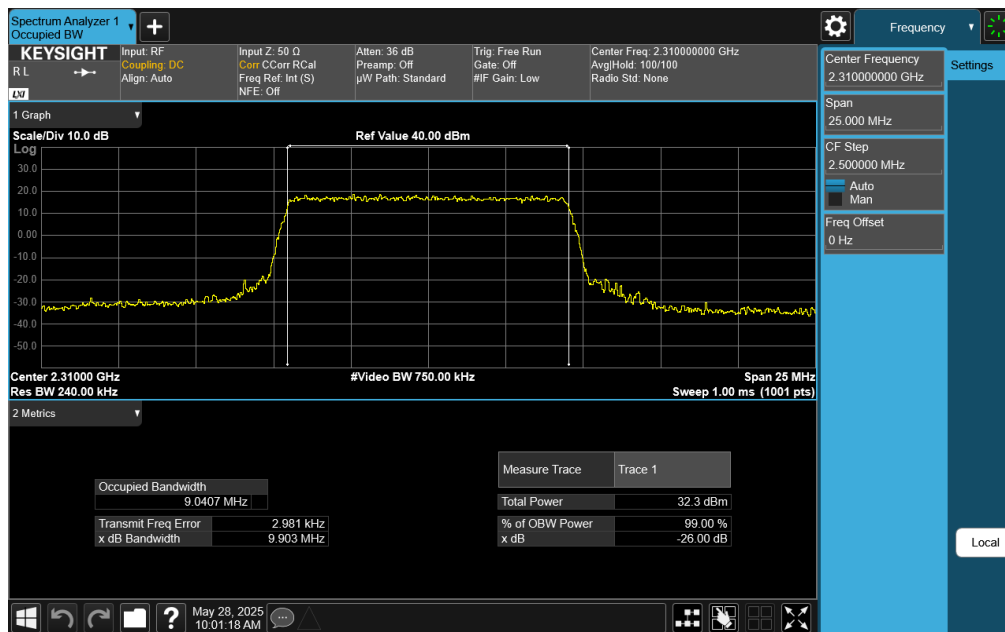
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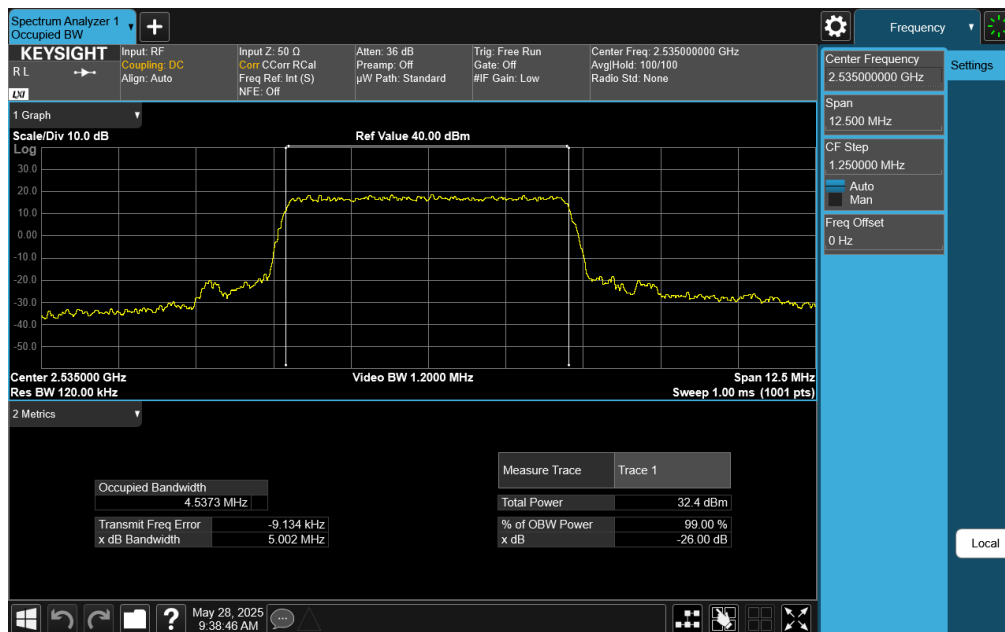
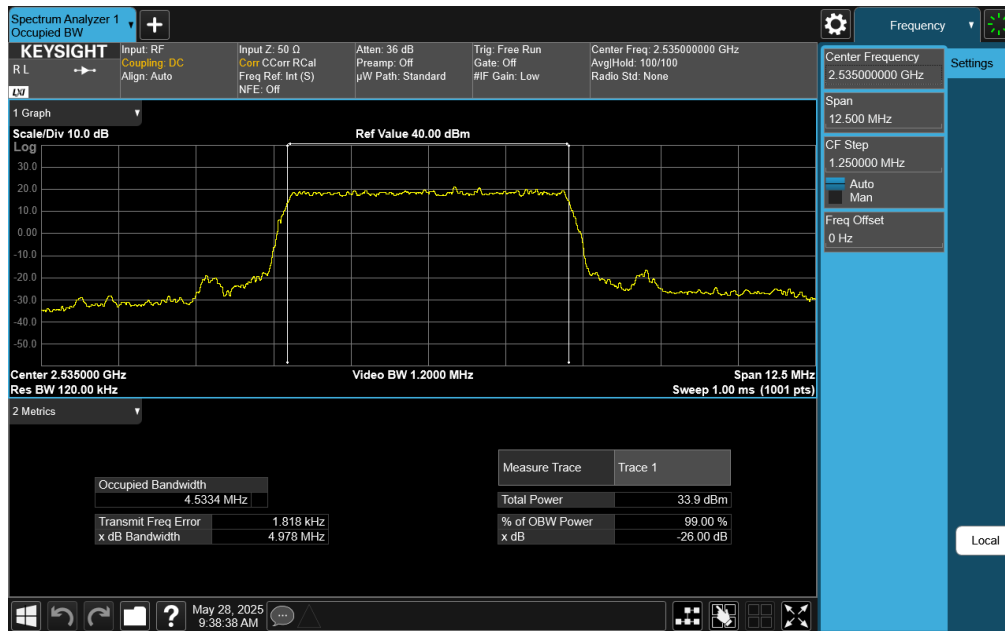


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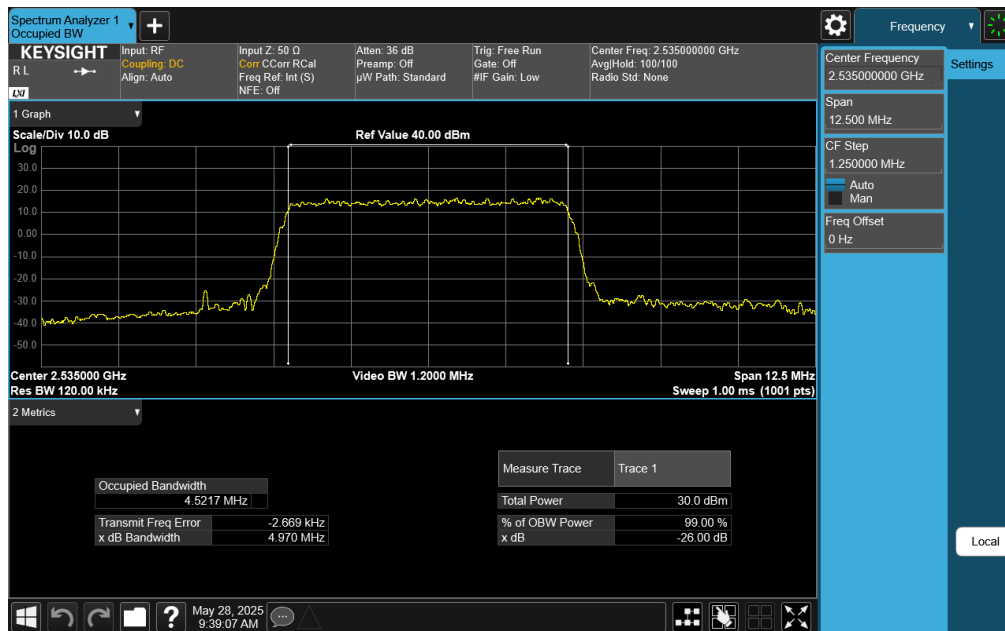
LTE Band 7



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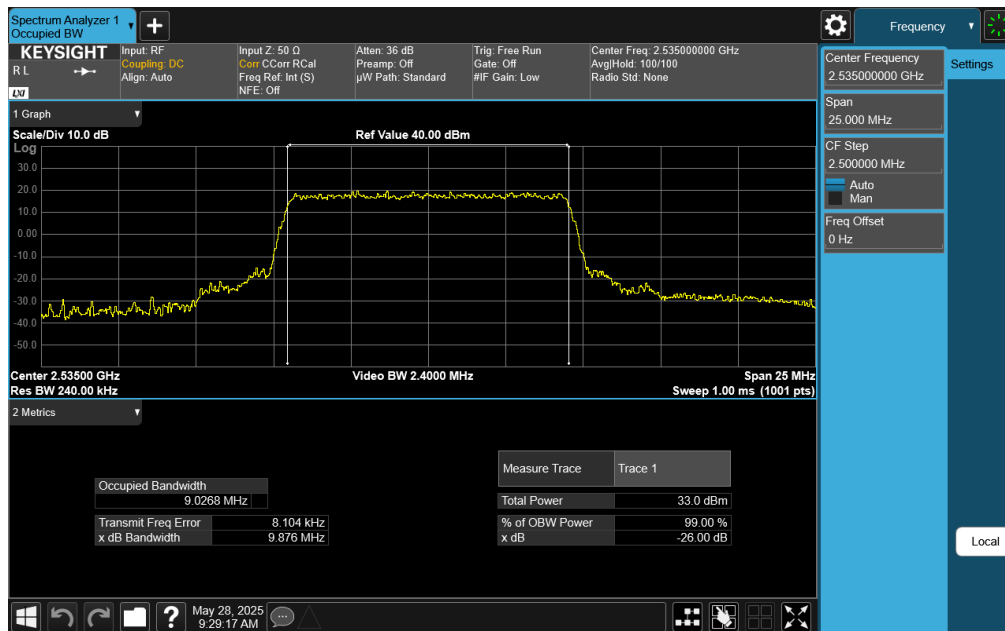
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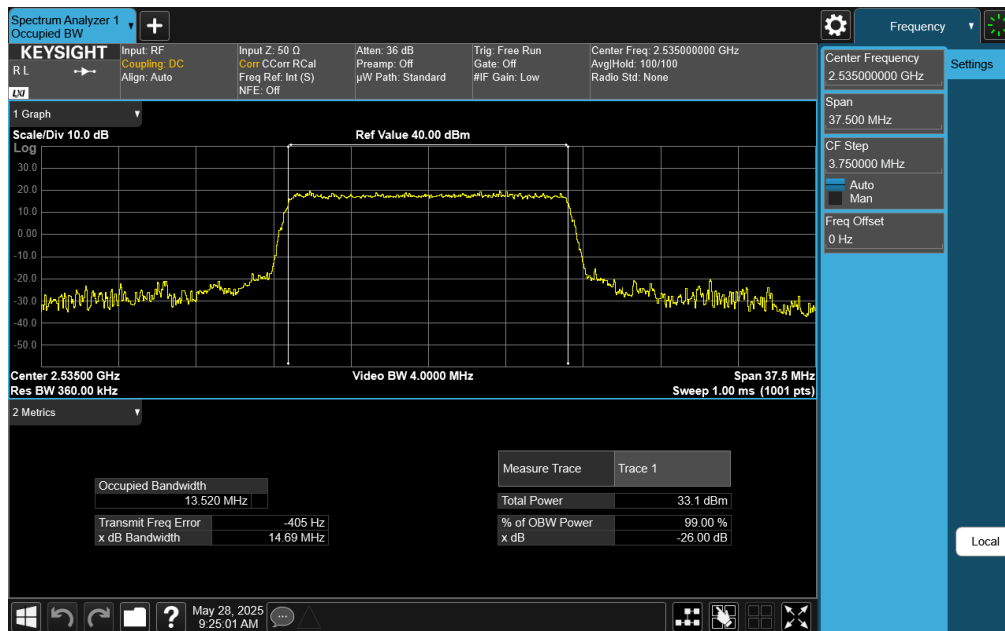
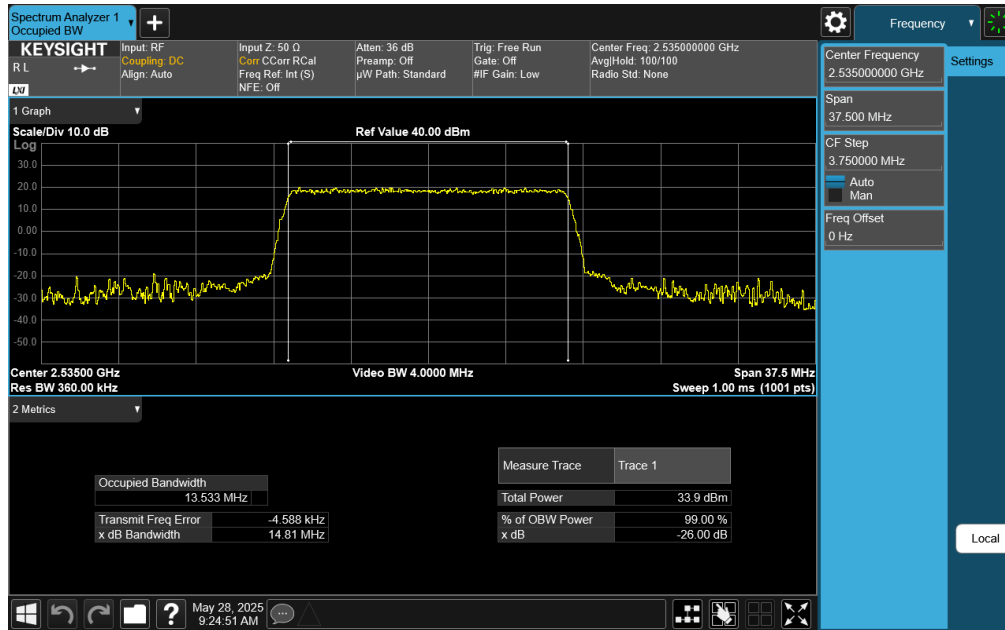
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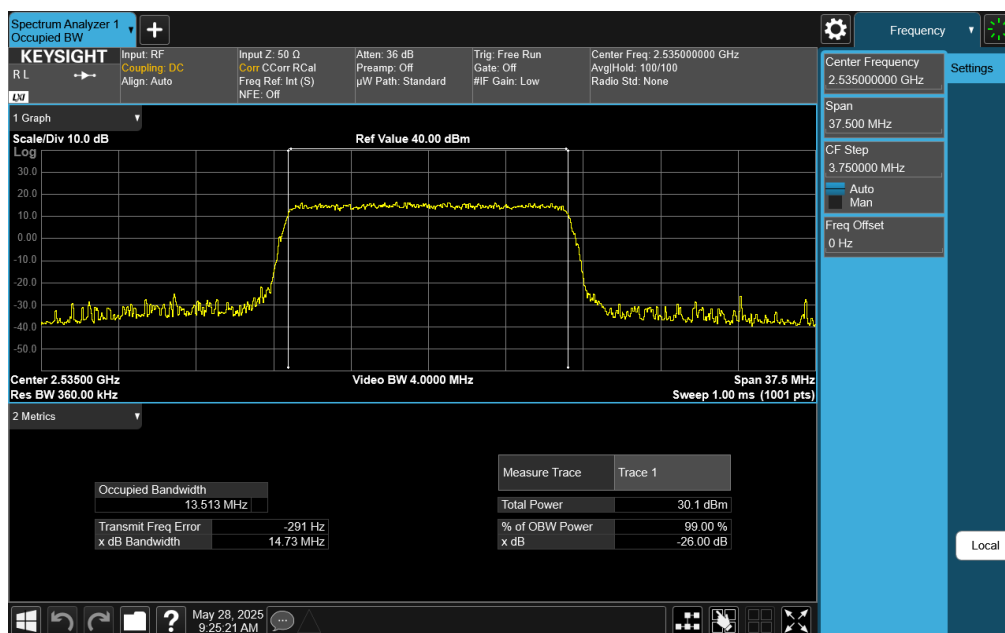
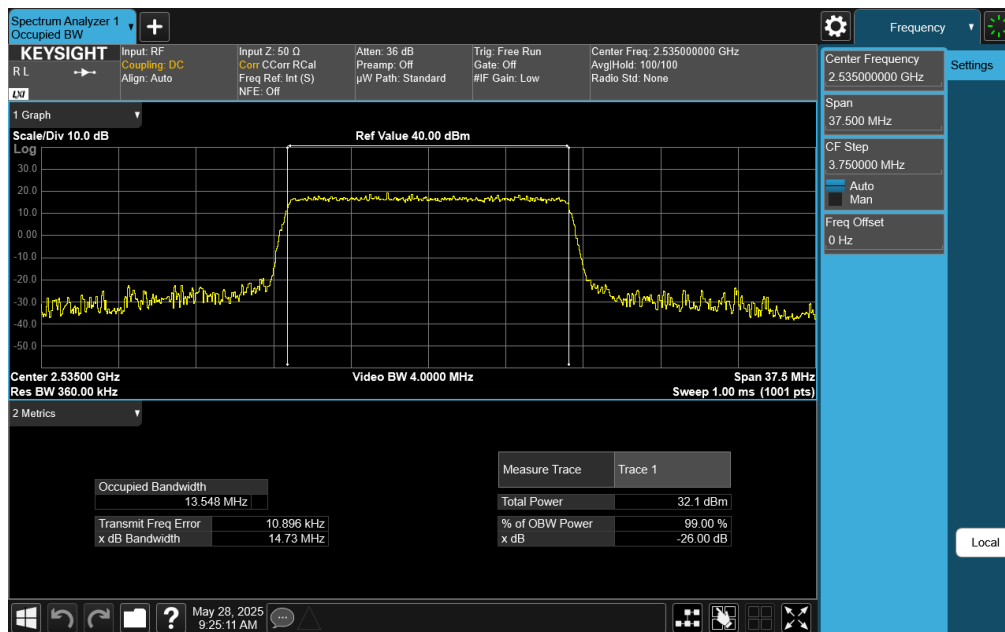


Plot 7-18. Occupied Bandwidth Plot (LTE Band 7 - 15MHz 16-QAM - Full RB)

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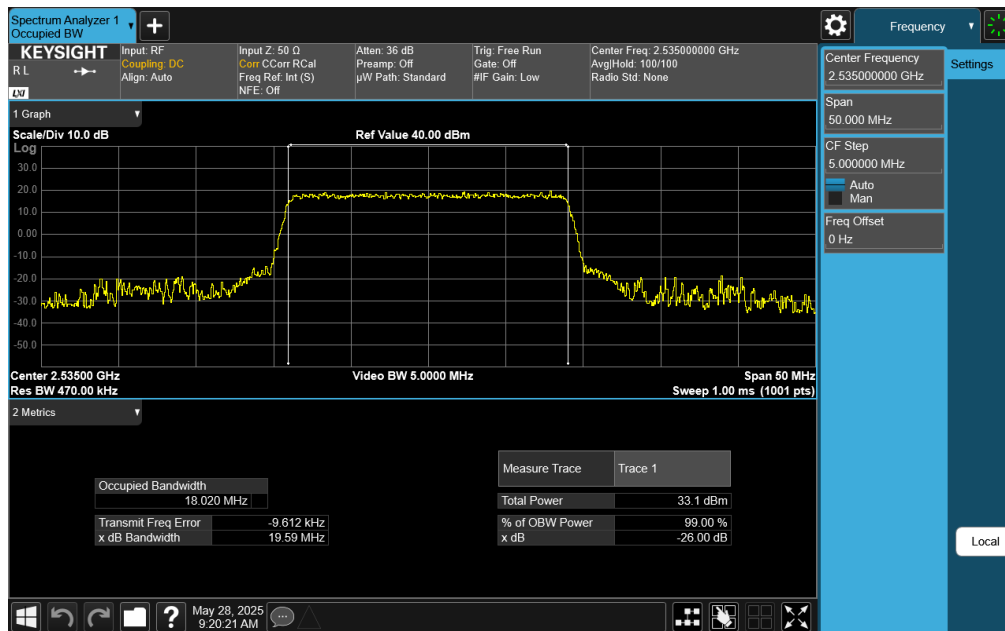
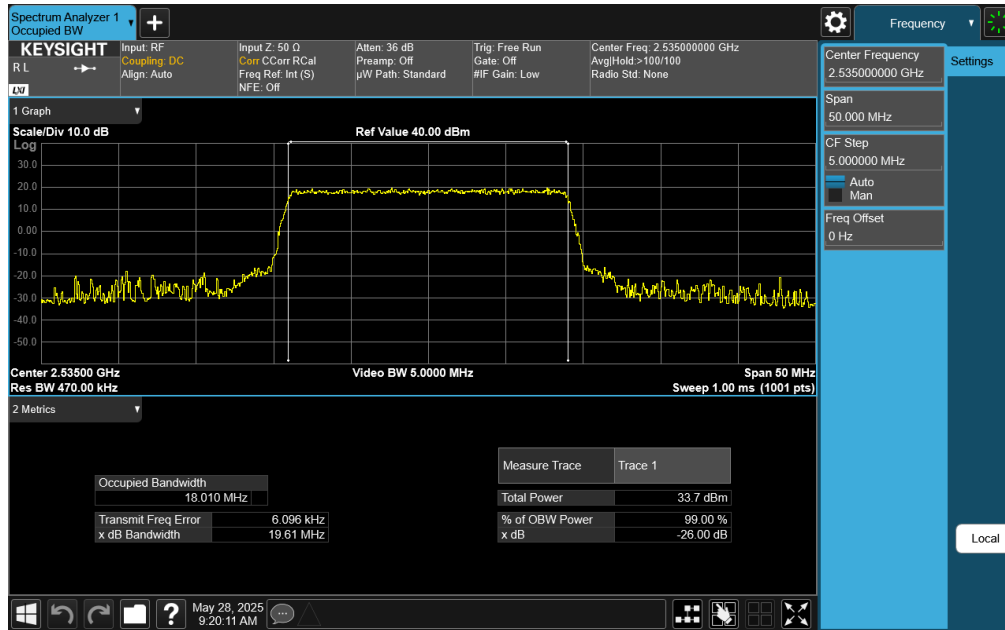
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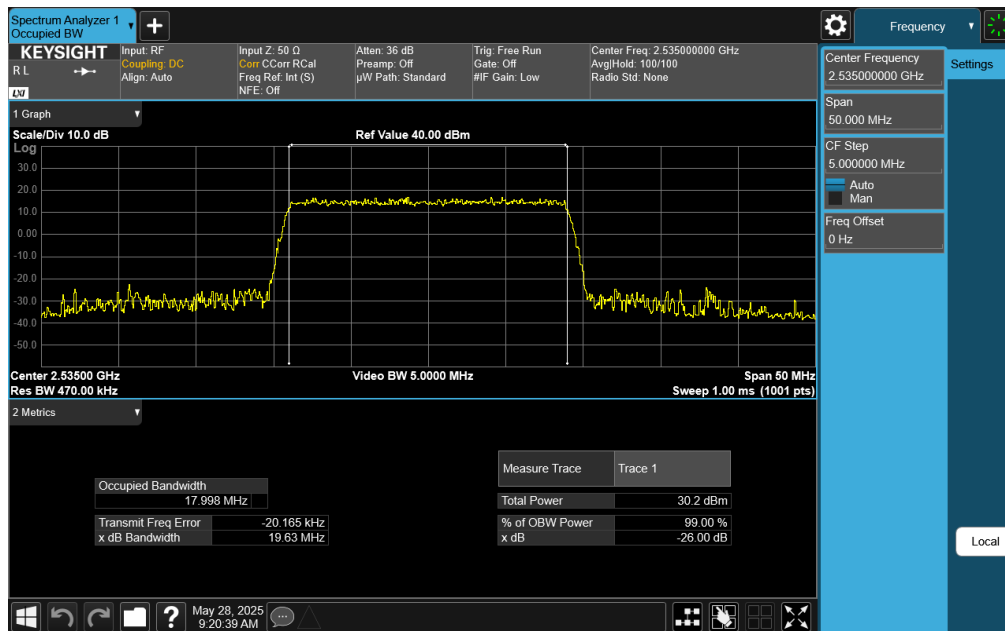
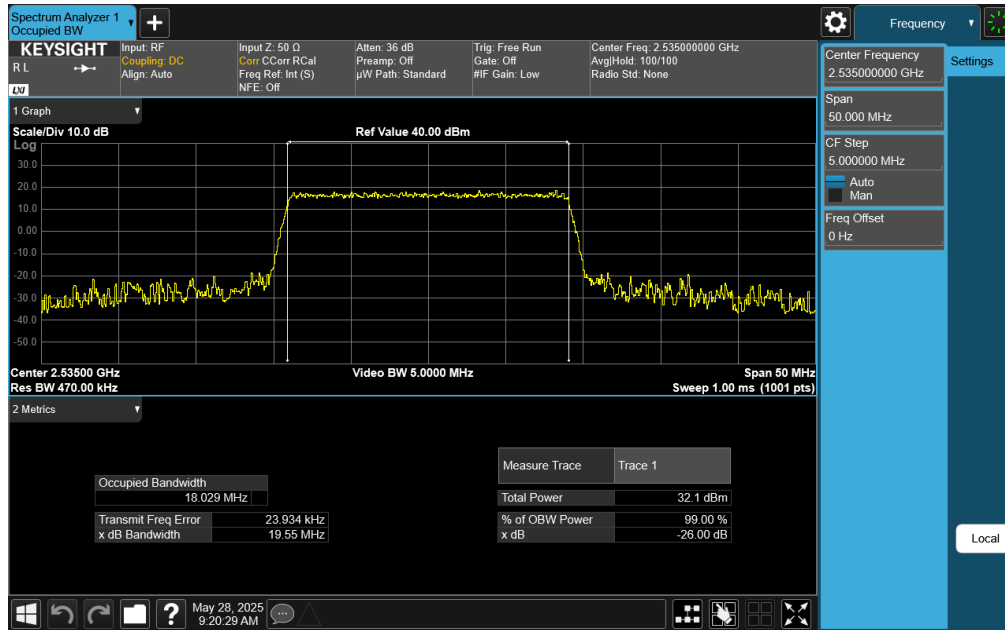
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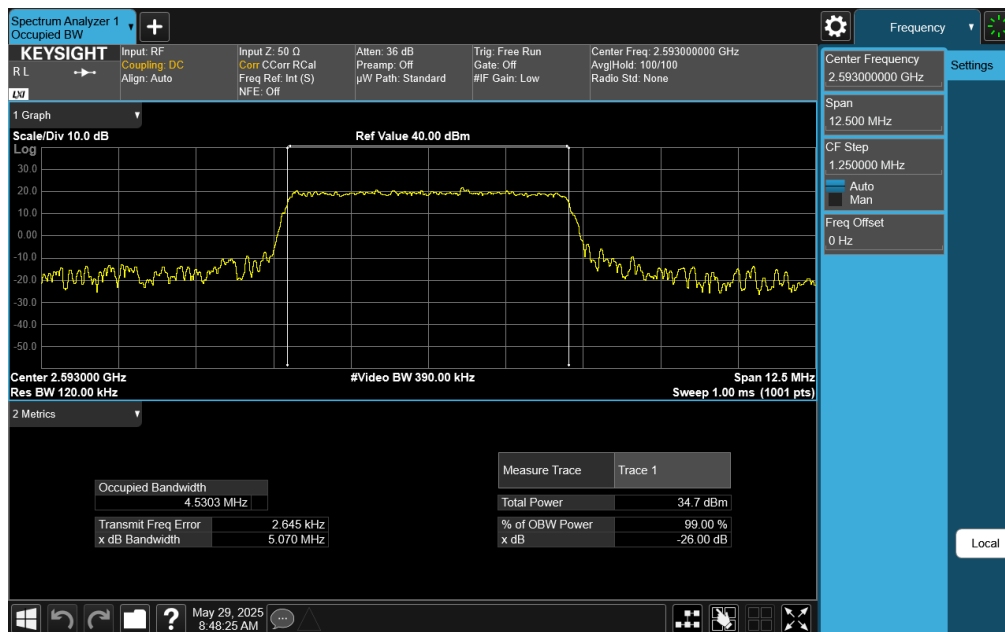
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LTE Band 41



Plot 7-25. Occupied Bandwidth Plot (LTE Band 41 - 5MHz QPSK - Full RB)

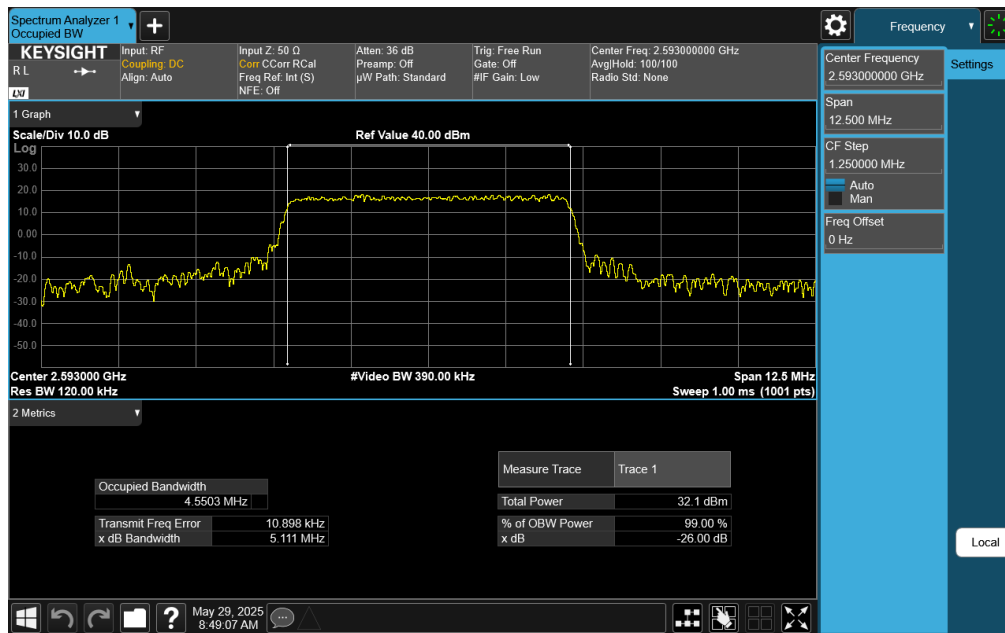


Plot 7-26. Occupied Bandwidth Plot (LTE Band 41 - 5MHz 16-QAM - Full RB)

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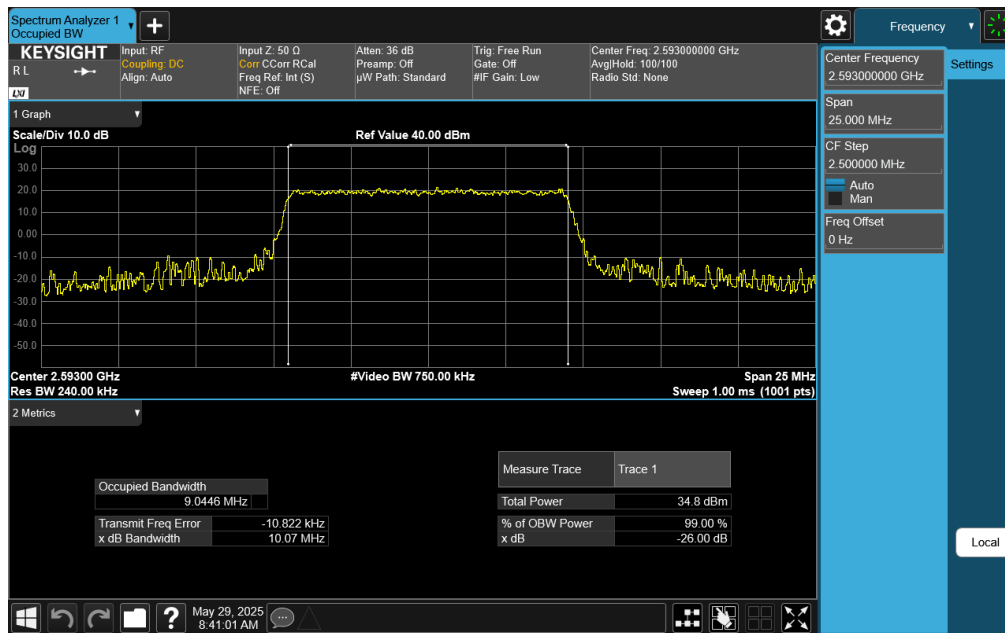
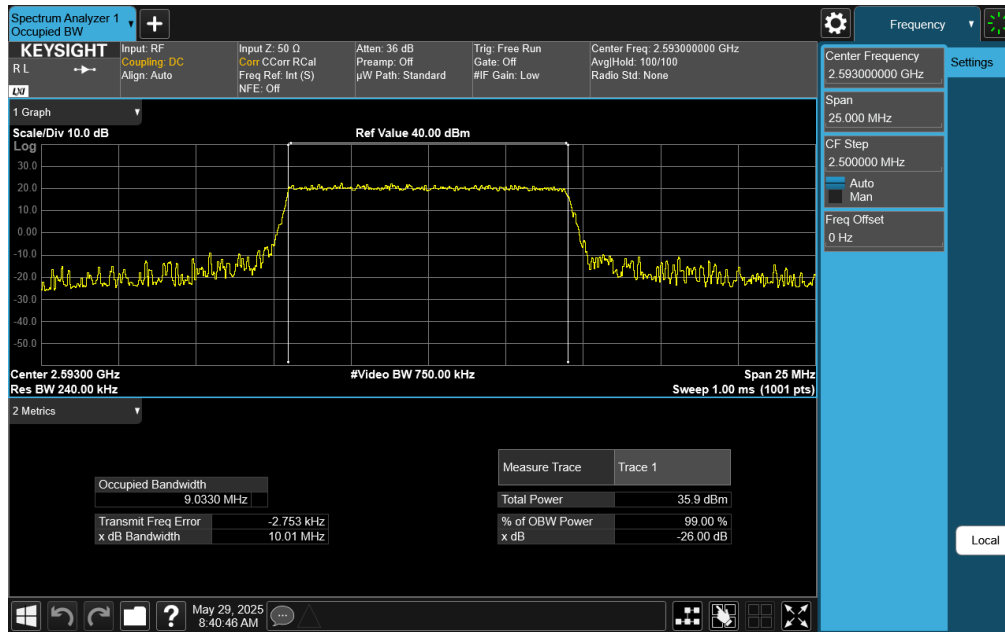
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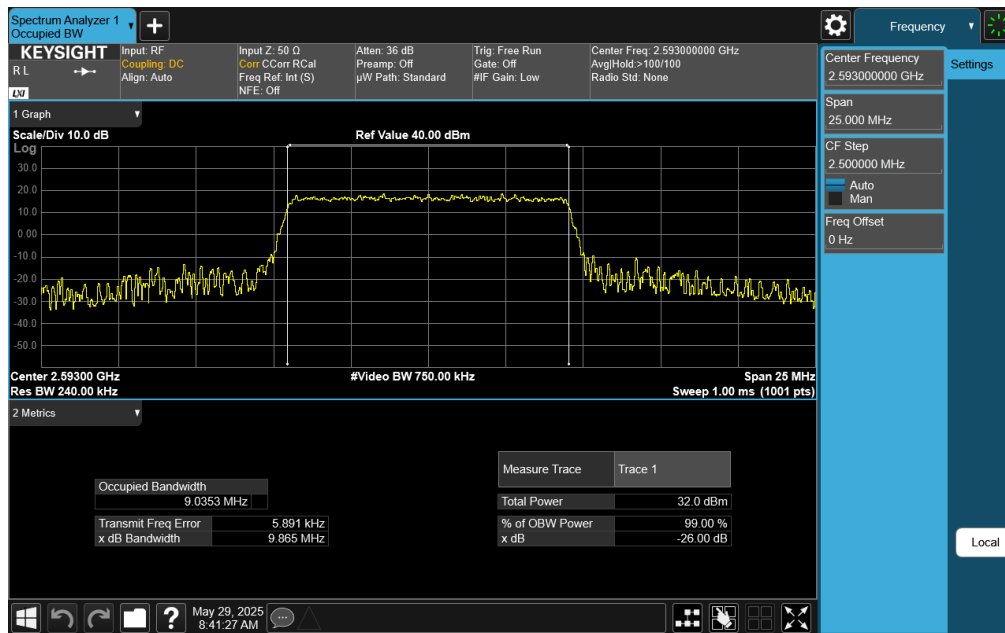
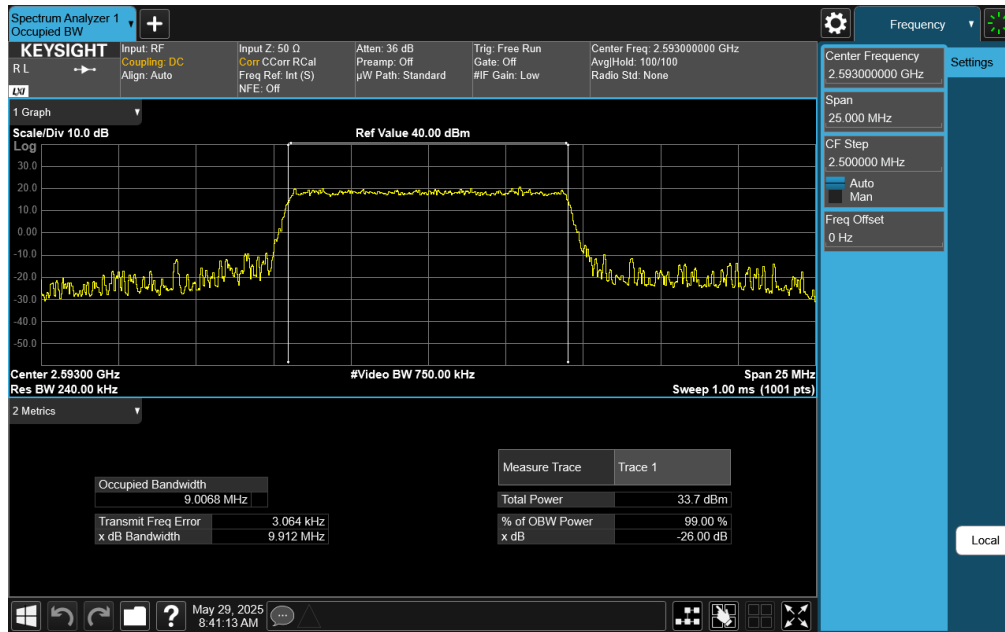
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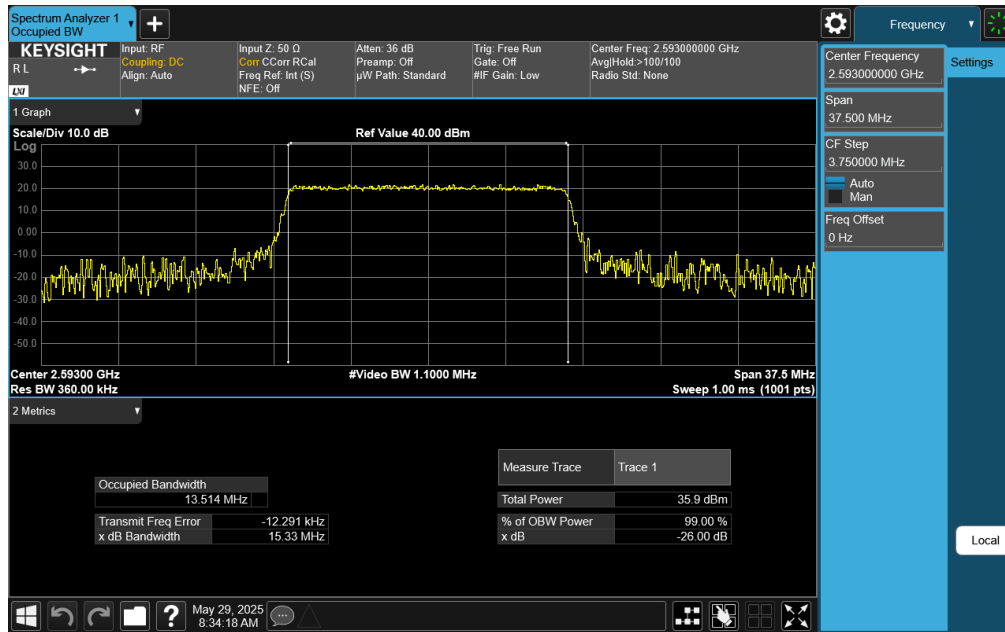
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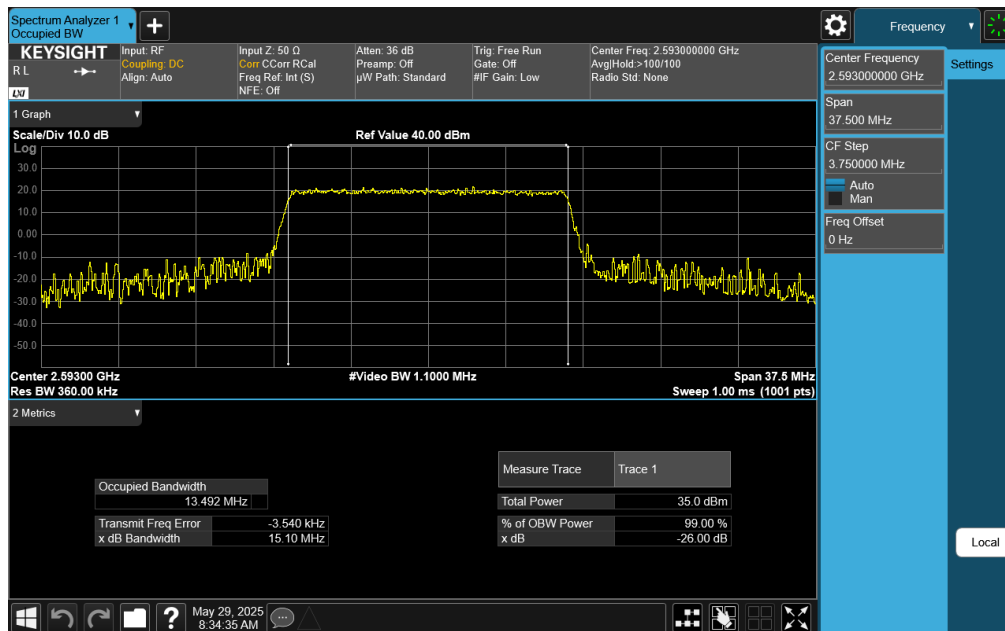
FCC ID: BCGA3361		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-33. Occupied Bandwidth Plot (LTE Band 41 - 15MHz QPSK - Full RB)

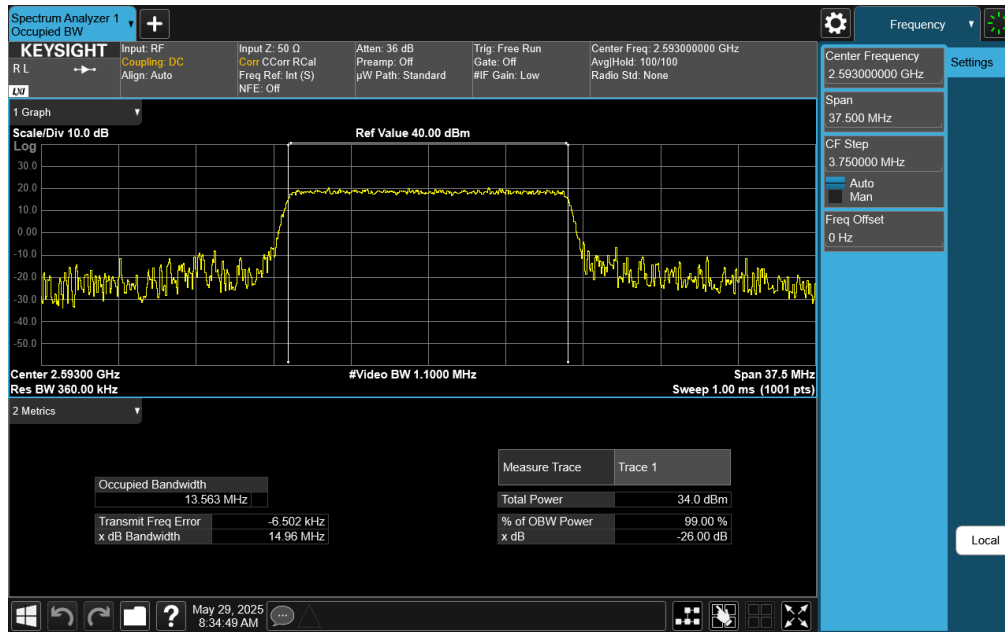


Plot 7-34. Occupied Bandwidth Plot (LTE Band 41 - 15MHz 16-QAM - Full RB)

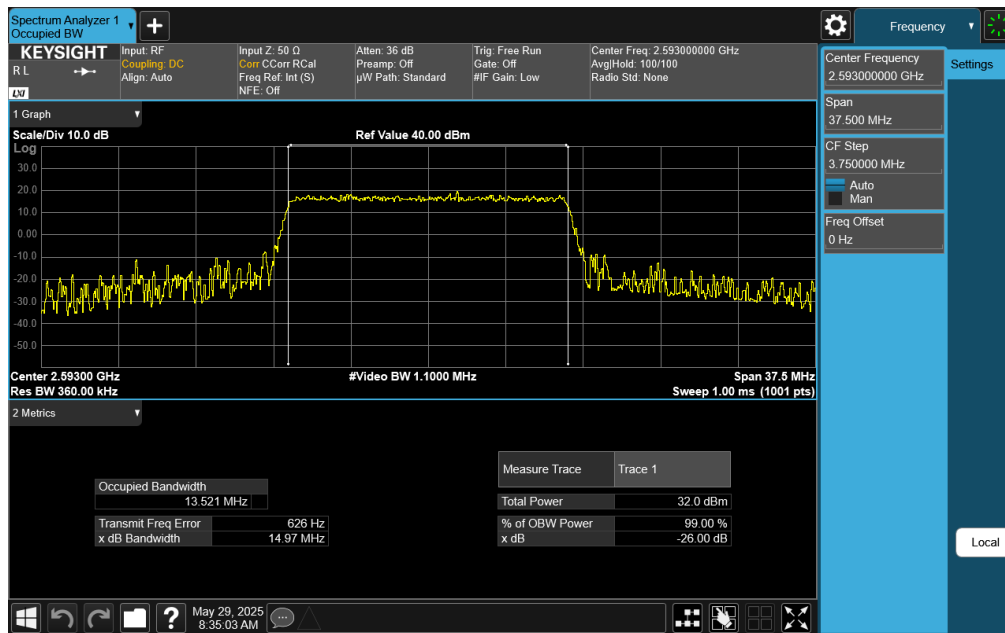
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Plot 7-35. Occupied Bandwidth Plot (LTE Band 41 - 15MHz 64-QAM - Full RB)

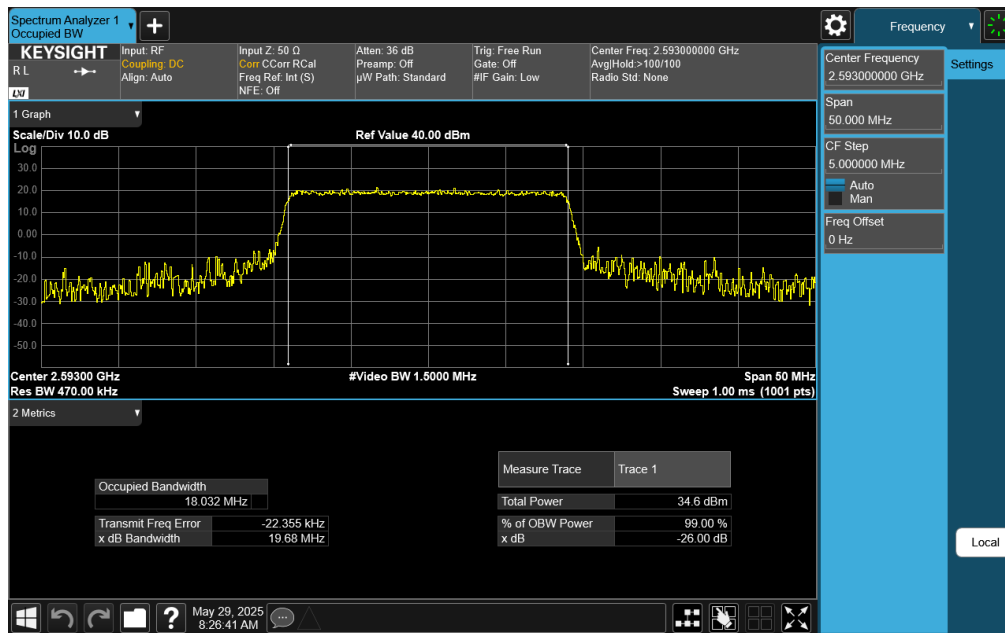
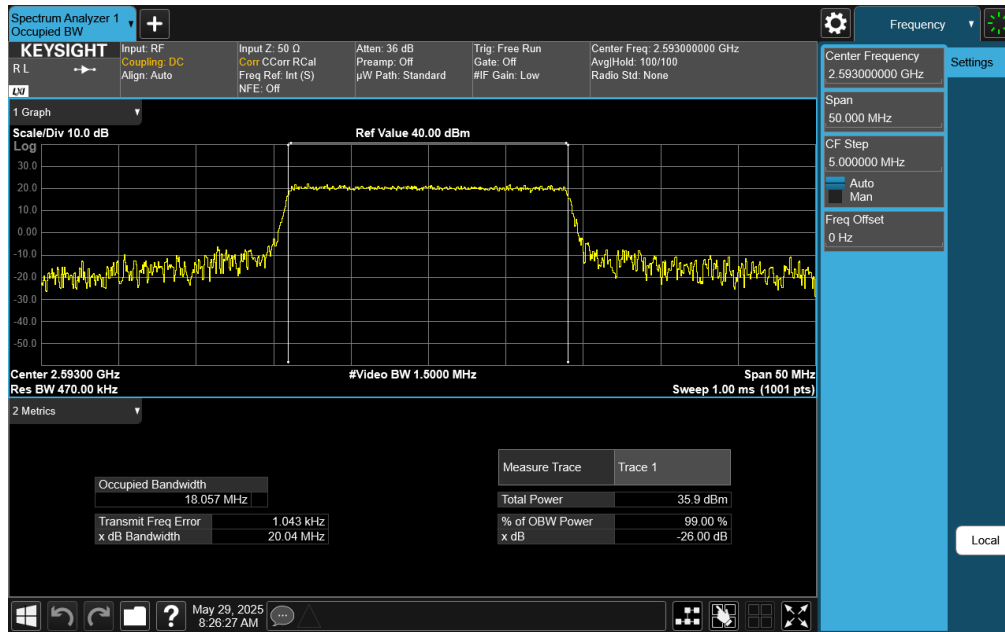


Plot 7-36. Occupied Bandwidth Plot (LTE Band 41 - 15MHz 256-QAM - Full RB)

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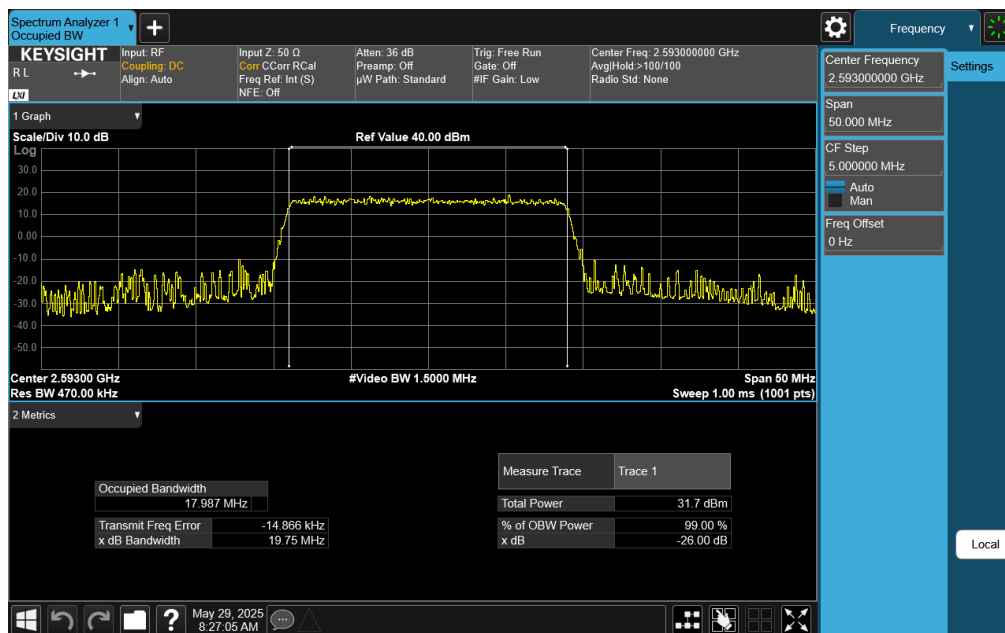
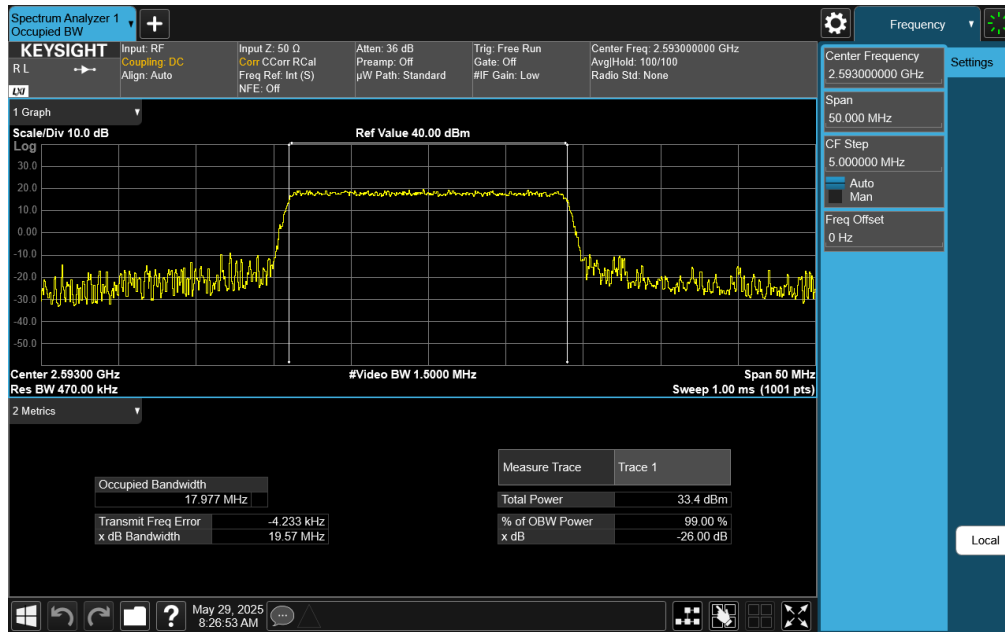
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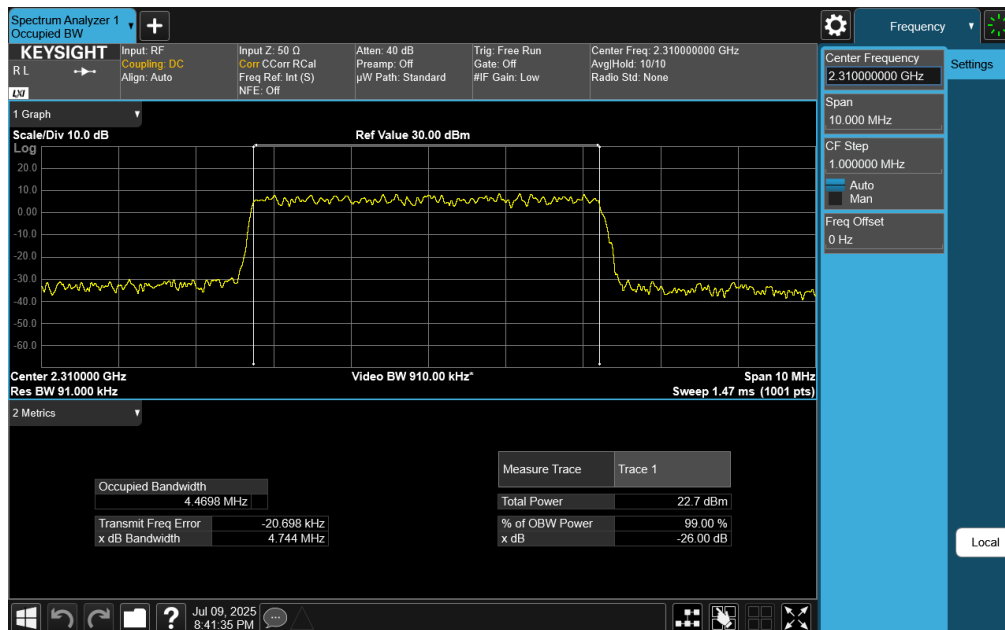
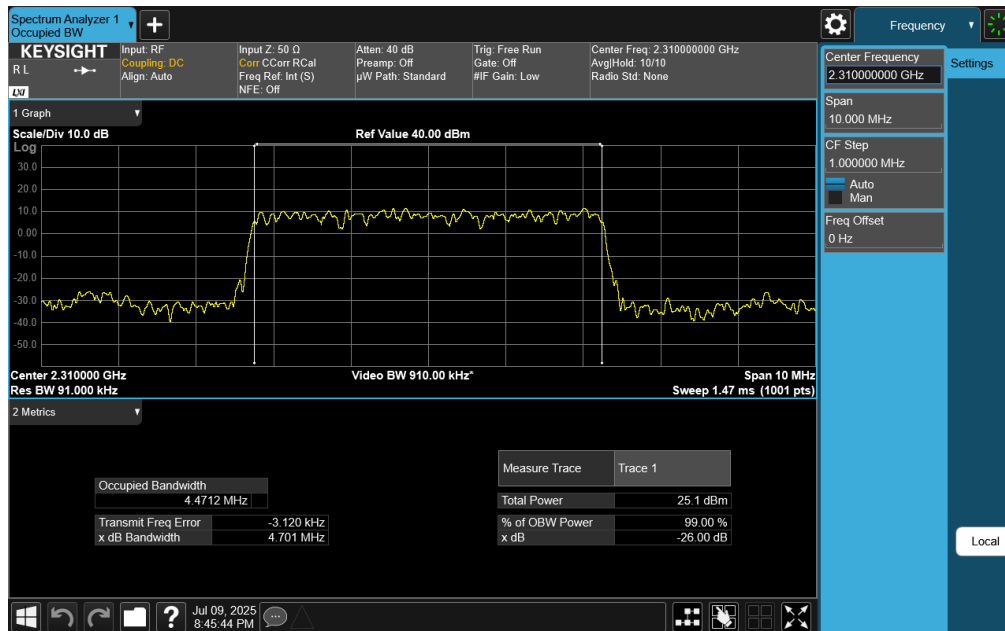


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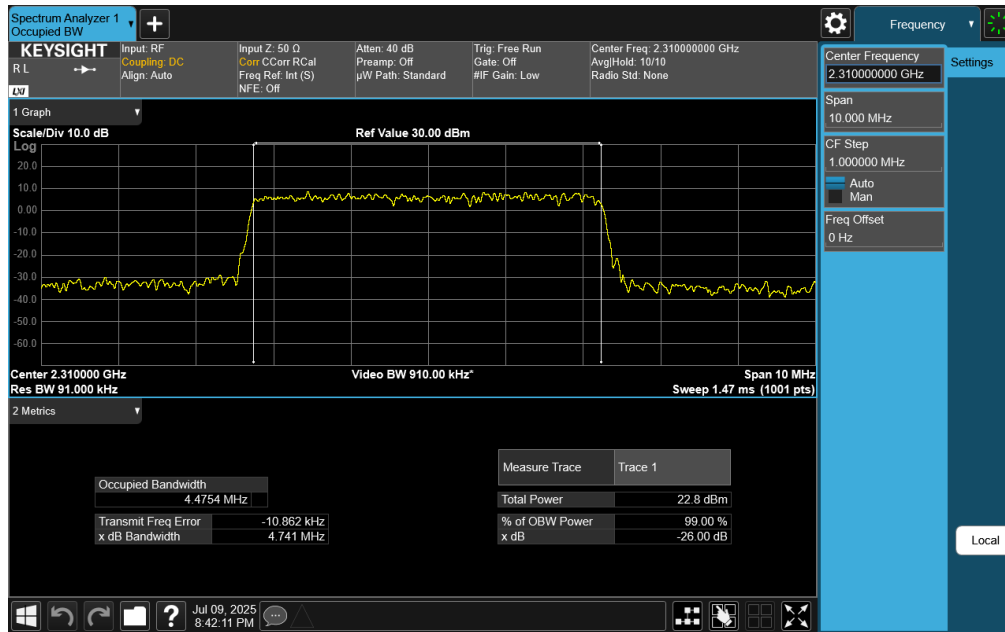
NR Band n30



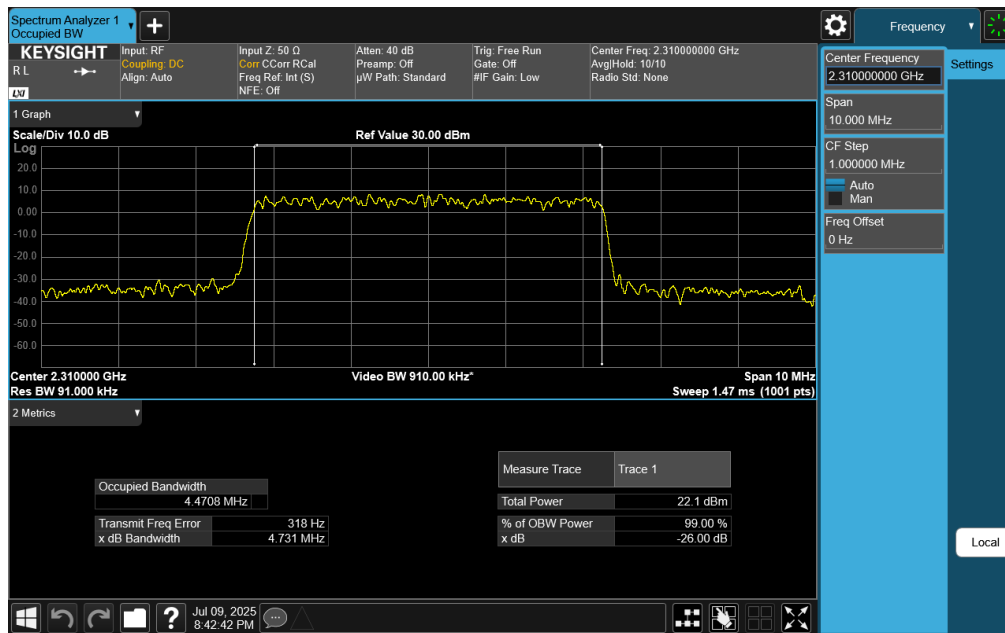
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Plot 7-43. Occupied Bandwidth Plot (NR Band n30 - 5MHz CP-OFDM 16-QAM - Full RB)

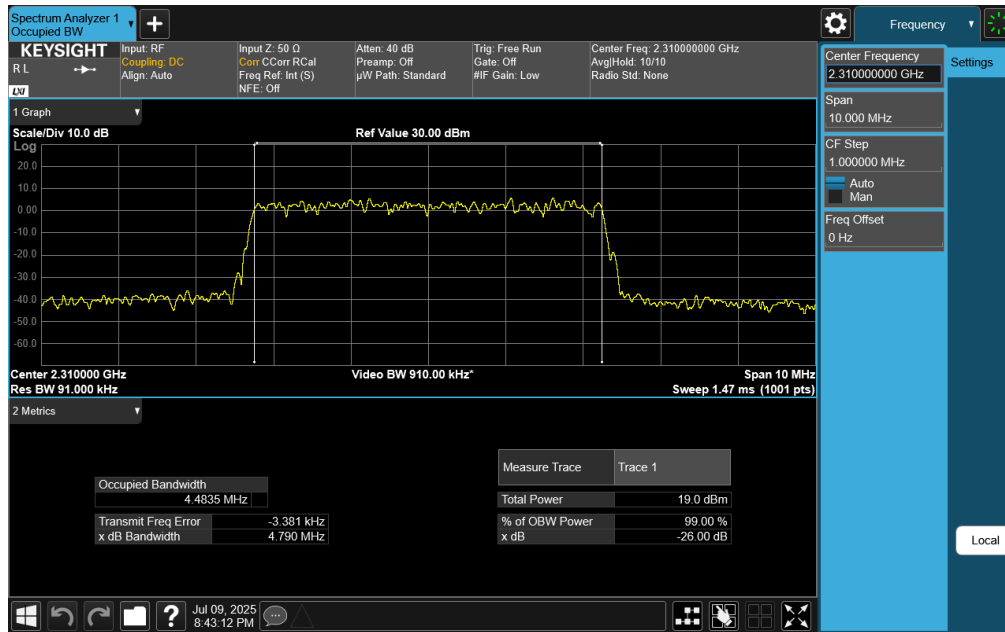


Plot 7-44. Occupied Bandwidth Plot (NR Band n30 - 5MHz CP-OFDM 64-QAM - Full RB)

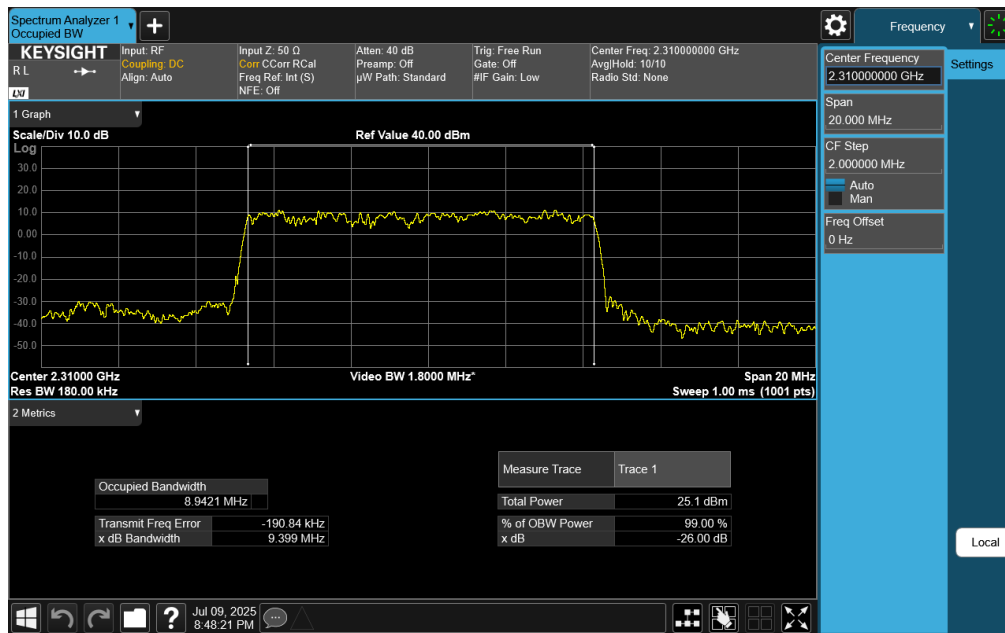
FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-45. Occupied Bandwidth Plot (NR Band n30 - 5MHz CP-OFDM 256-QAM - Full RB)

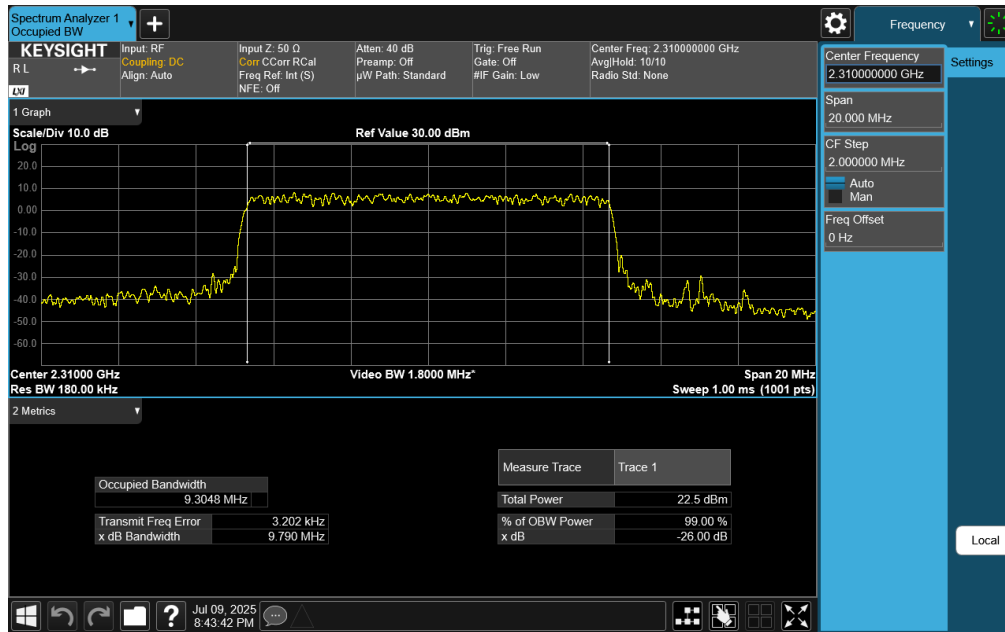


Plot 7-46. Occupied Bandwidth Plot (NR Band n30 - 10MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

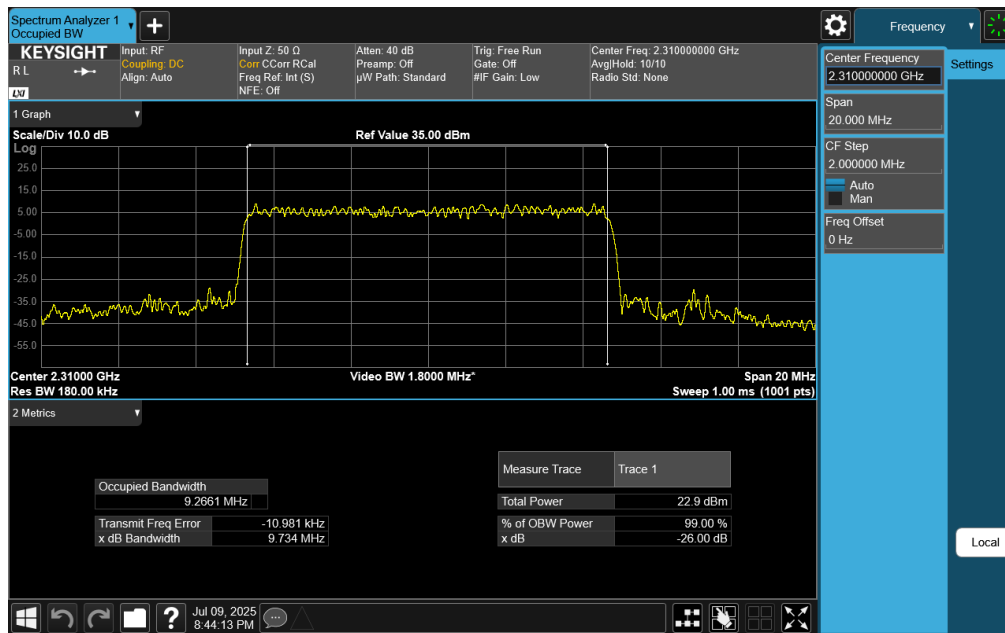
FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-47. Occupied Bandwidth Plot (NR Band n30 - 10MHz CP-OFDM QPSK - Full RB)

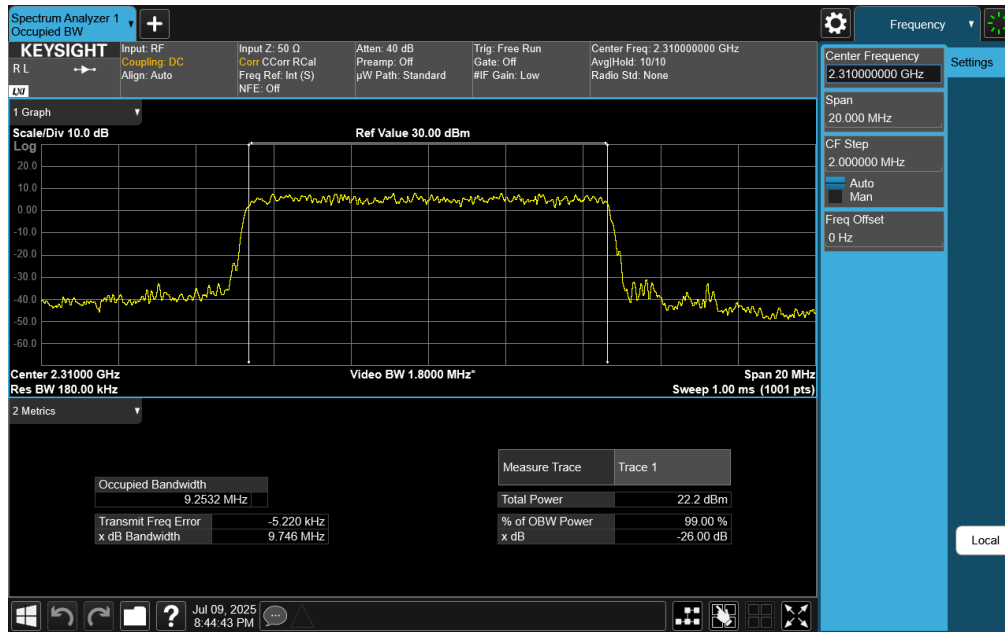


Plot 7-48. Occupied Bandwidth Plot (NR Band n30 - 10MHz CP-OFDM 16-QAM - Full RB)

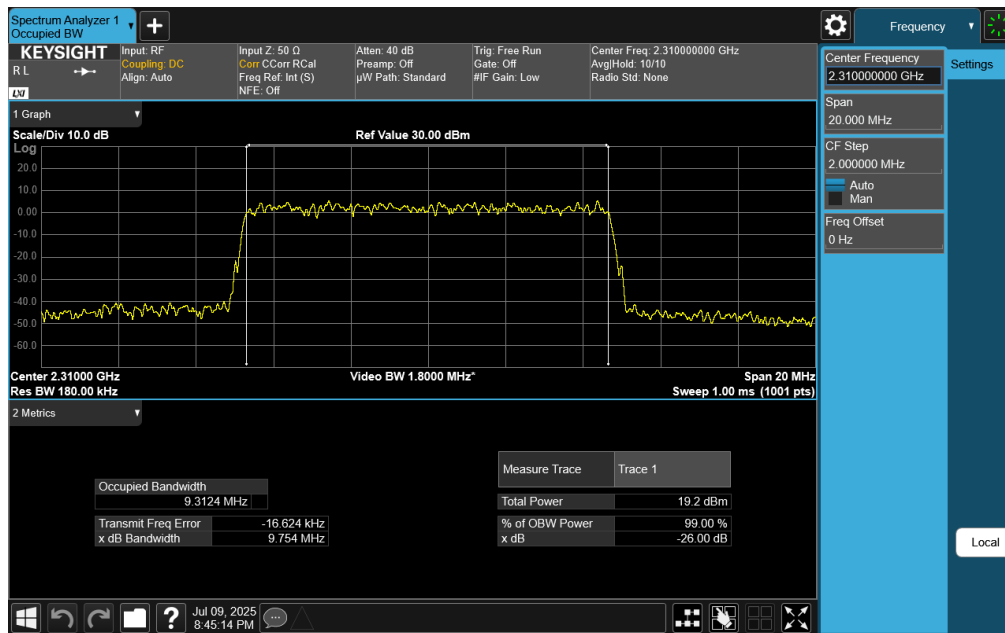
FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-49. Occupied Bandwidth Plot (NR Band n30 - 10MHz CP-OFDM 64-QAM - Full RB)



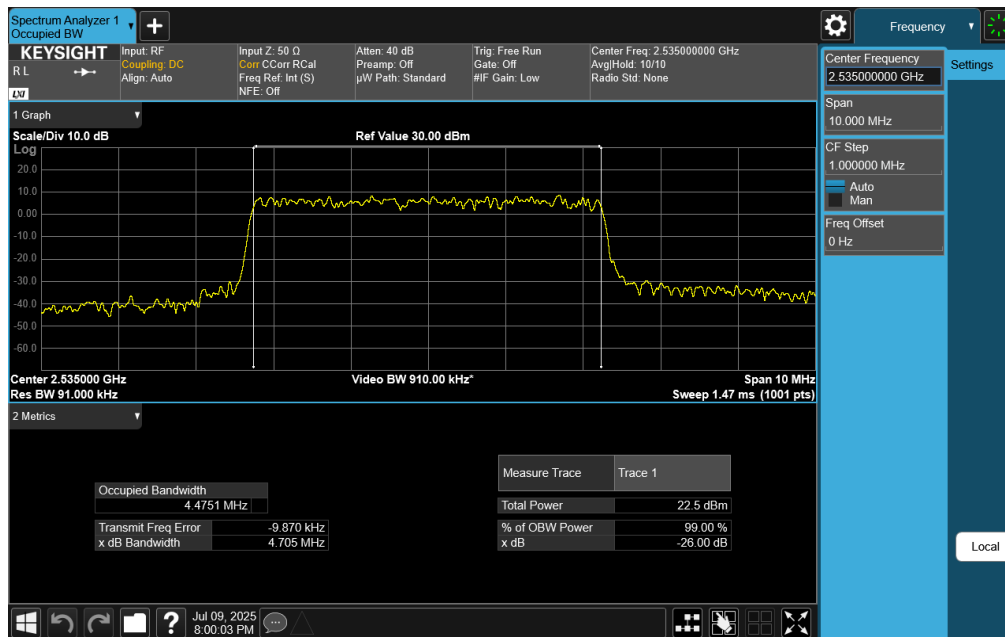
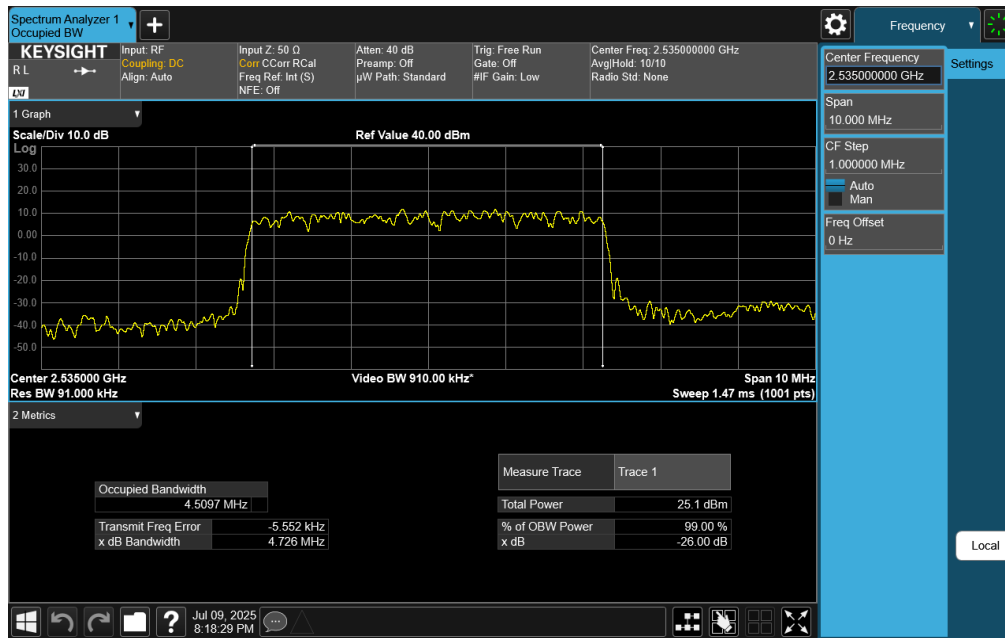
Plot 7-50. Occupied Bandwidth Plot (NR Band n30 - 10MHz CP-OFDM 256-QAM - Full RB)

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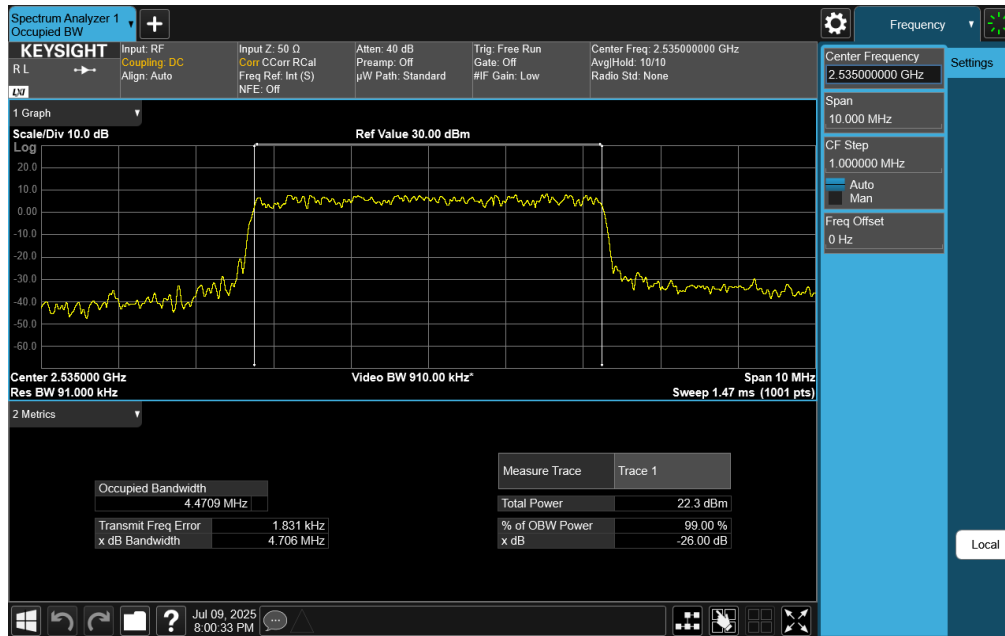
NR Band n7



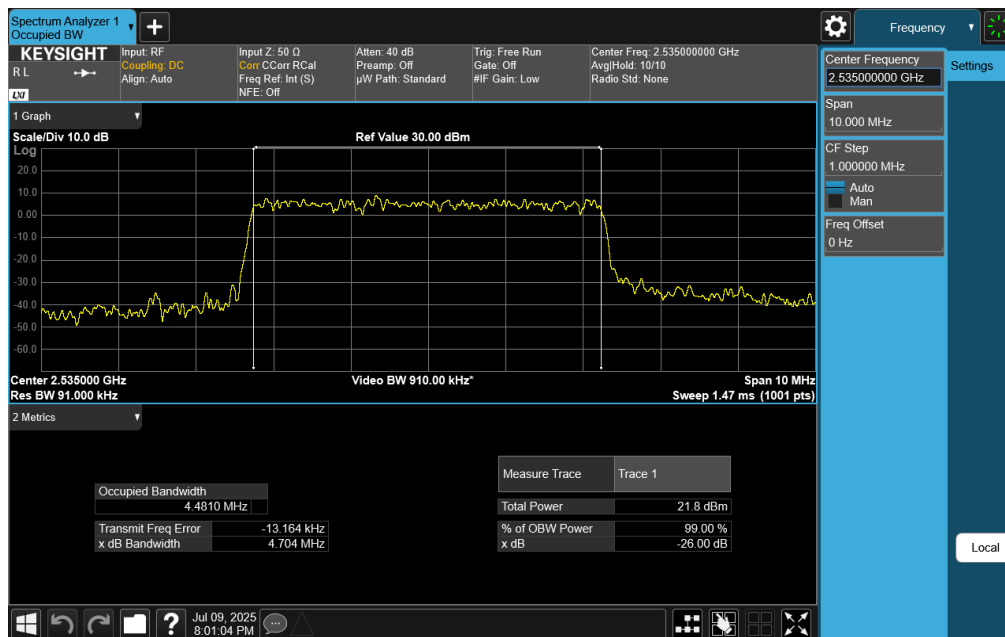
FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-53. Occupied Bandwidth Plot (NR Band n7 - 5MHz CP-OFDM 16-QAM - Full RB)

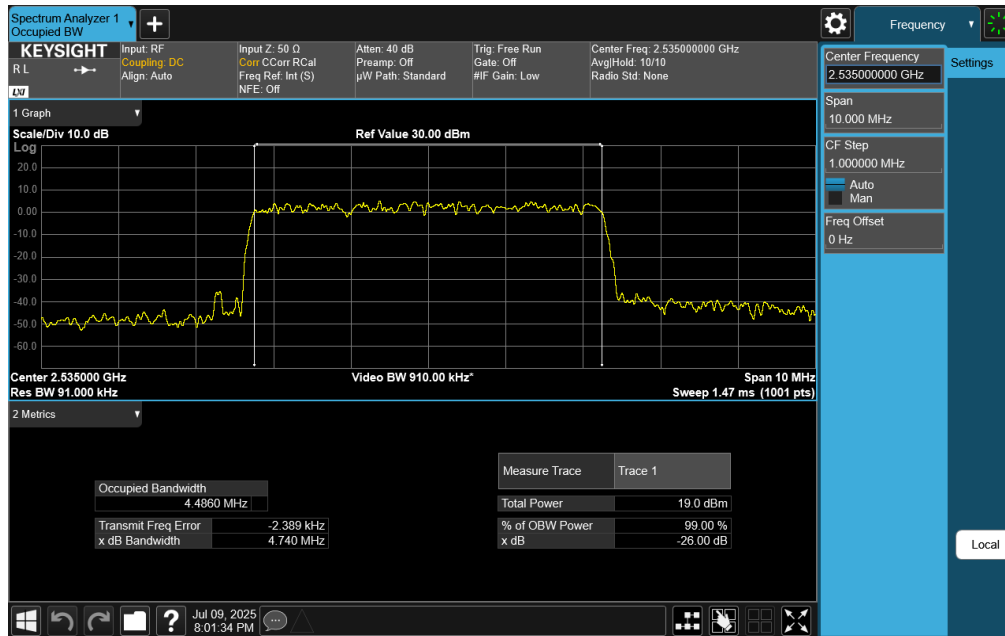


Plot 7-54. Occupied Bandwidth Plot (NR Band n7 - 5MHz CP-OFDM 64-QAM - Full RB)

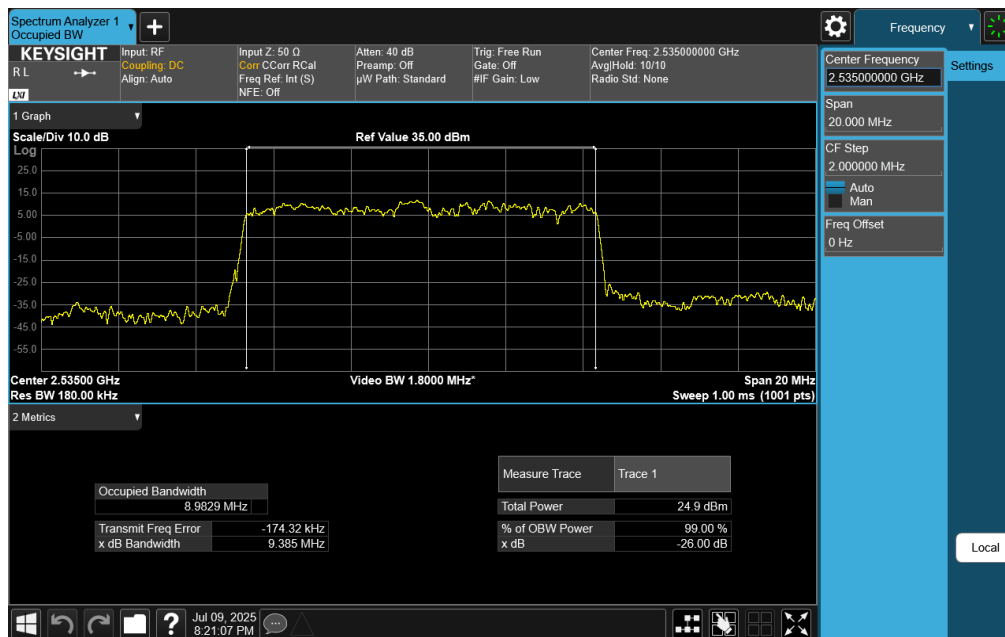
FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-55. Occupied Bandwidth Plot (NR Band n7 - 5MHz CP-OFDM 256-QAM - Full RB)

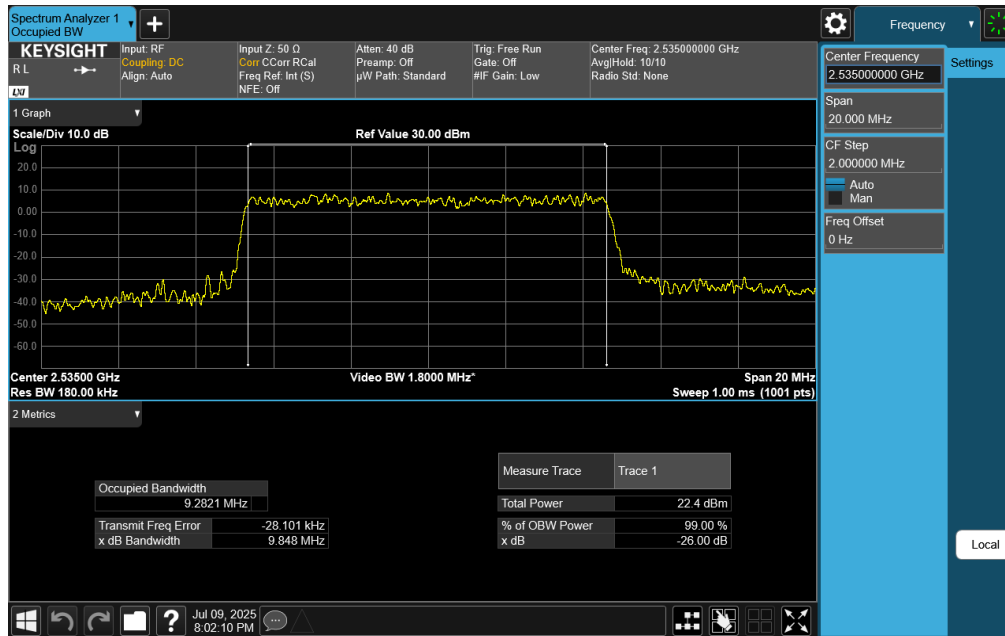


Plot 7-56. Occupied Bandwidth Plot (NR Band n7 - 10MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

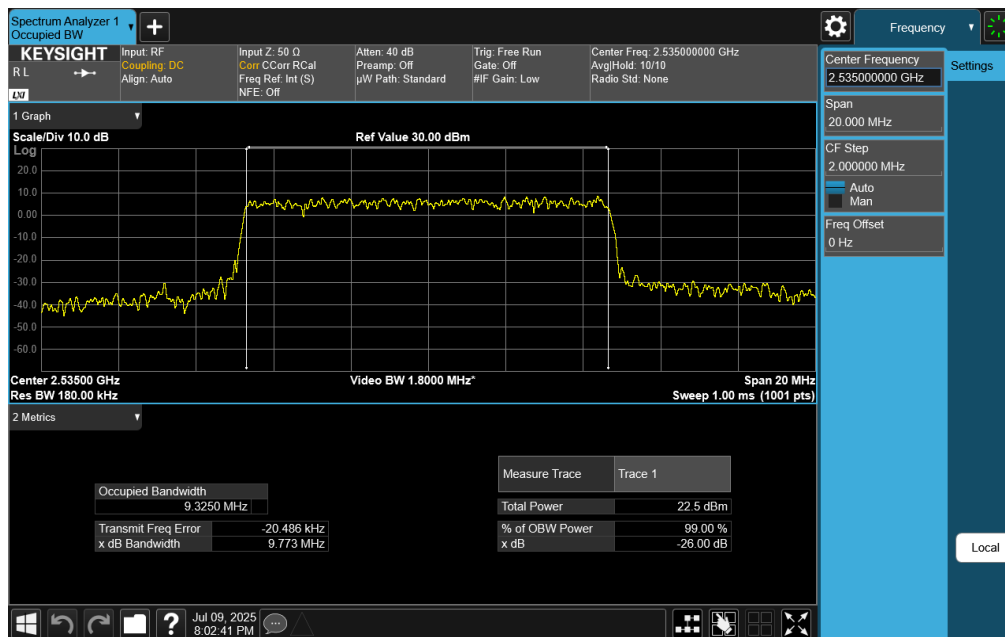
FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-57. Occupied Bandwidth Plot (NR Band n7 - 10MHz CP-OFDM QPSK - Full RB)

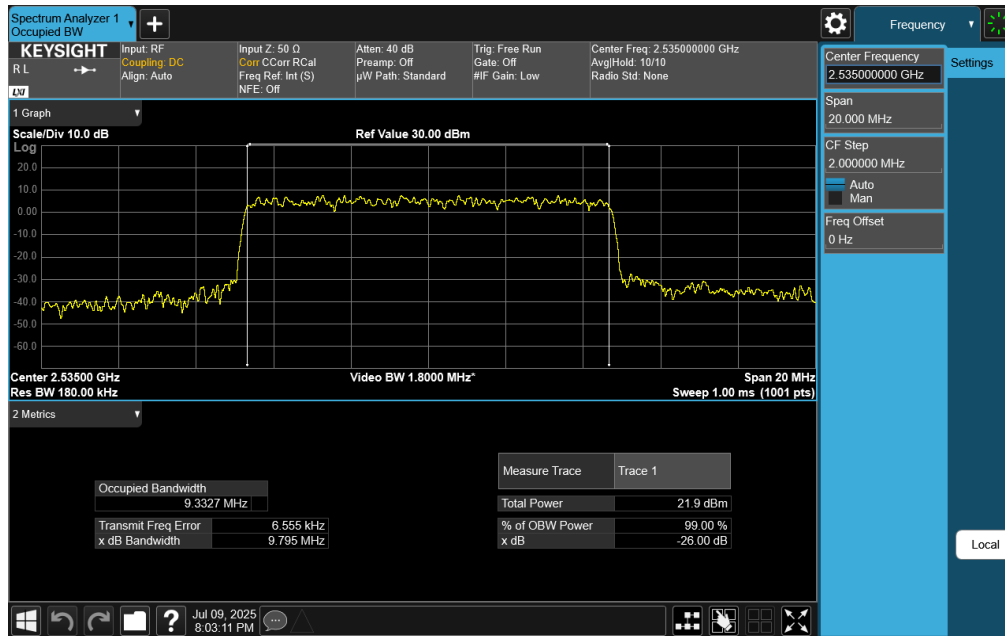


Plot 7-58. Occupied Bandwidth Plot (NR Band n7 - 10MHz CP-OFDM 16-QAM - Full RB)

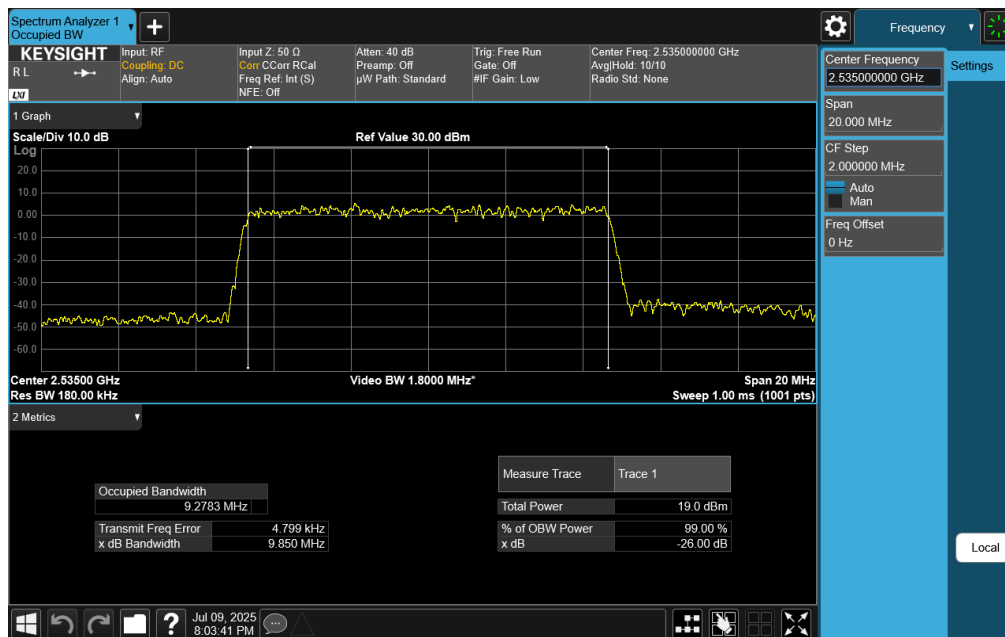
FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-59. Occupied Bandwidth Plot (NR Band n7 - 10MHz CP-OFDM 64-QAM - Full RB)

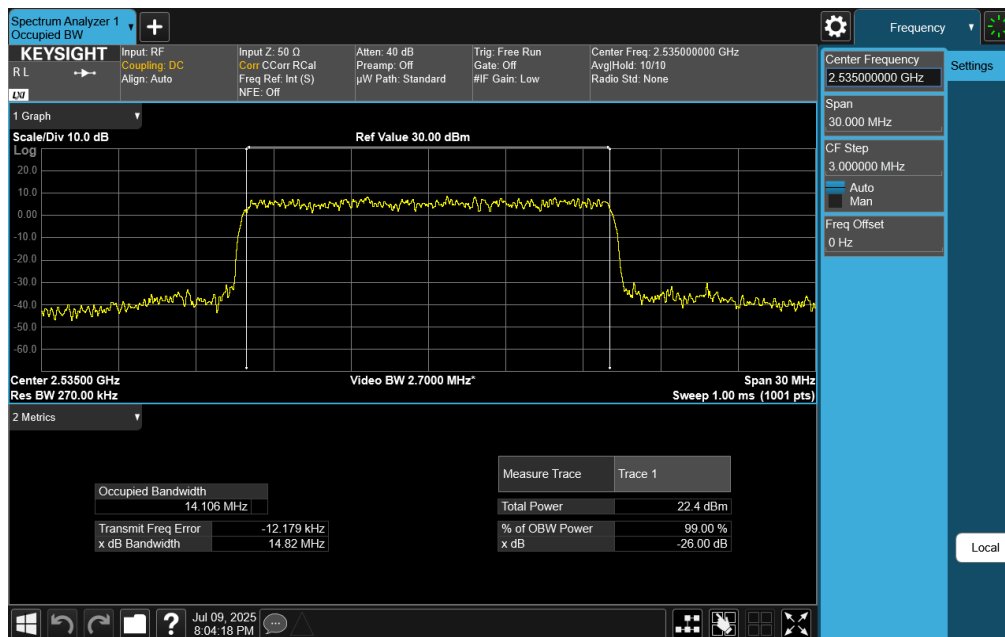
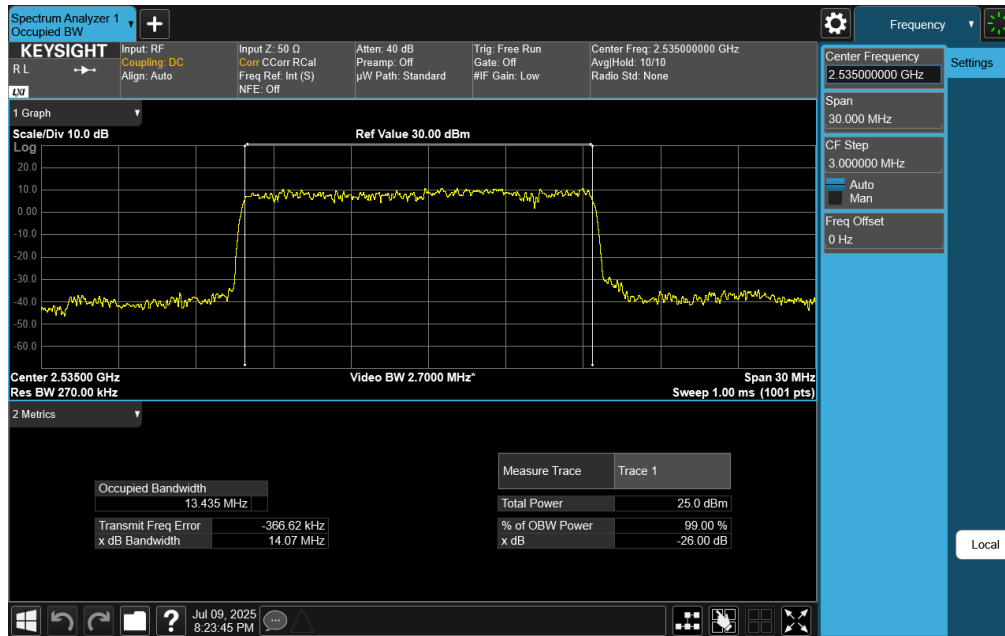


Plot 7-60. Occupied Bandwidth Plot (NR Band n7 - 10MHz CP-OFDM 256-QAM - Full RB)

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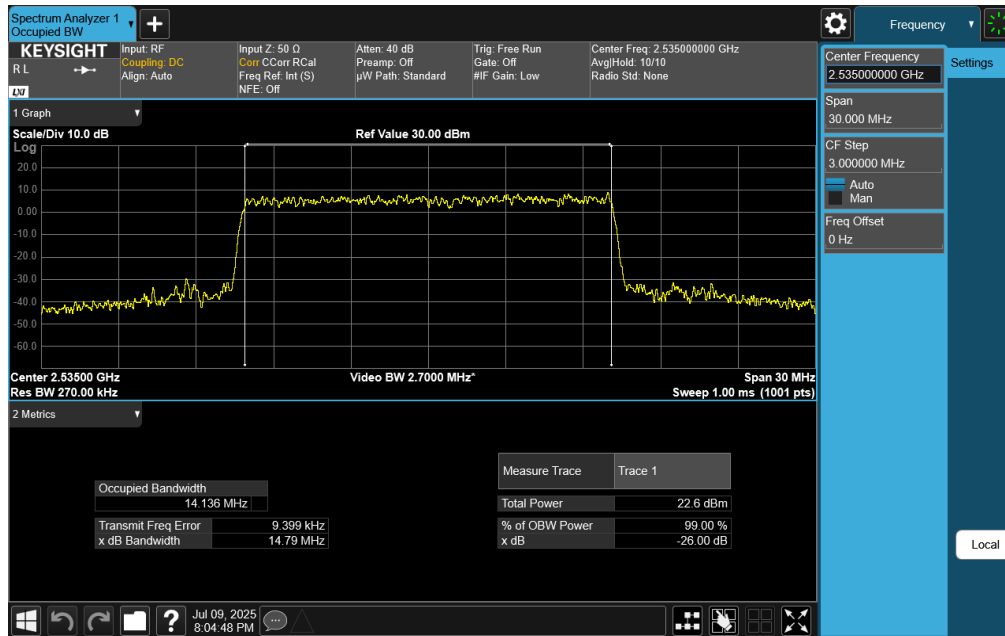
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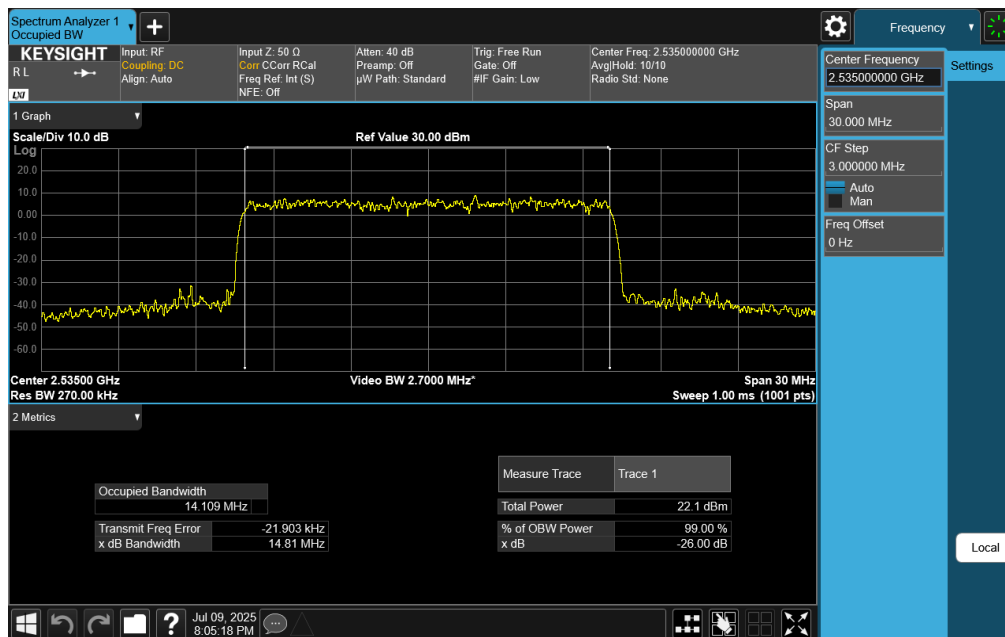
FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-63. Occupied Bandwidth Plot (NR Band n7 - 15MHz CP-OFDM 16-QAM - Full RB)

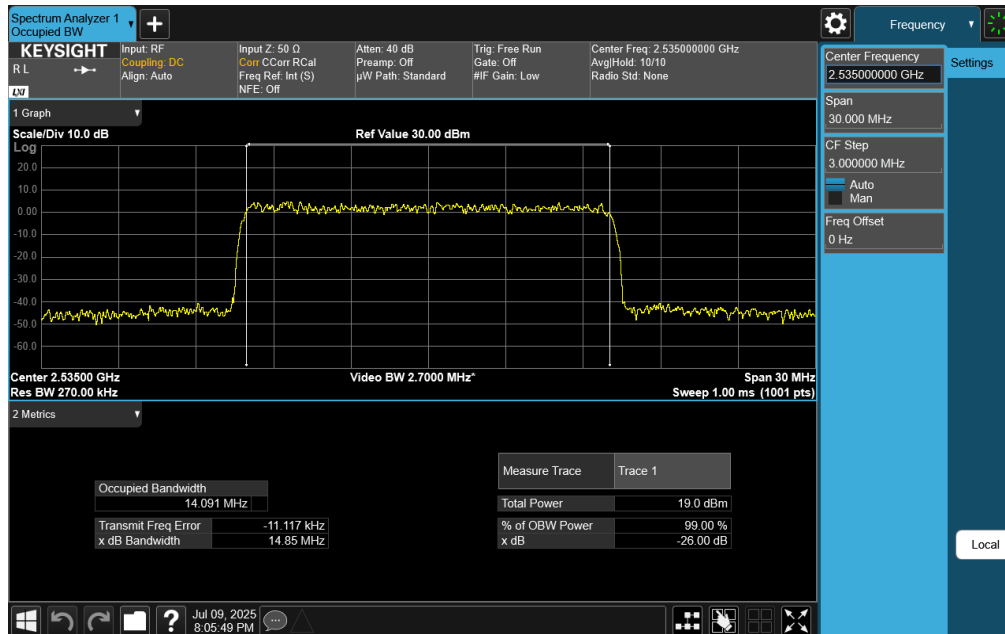


Plot 7-64. Occupied Bandwidth Plot (NR Band n7 - 15MHz CP-OFDM 64-QAM - Full RB)

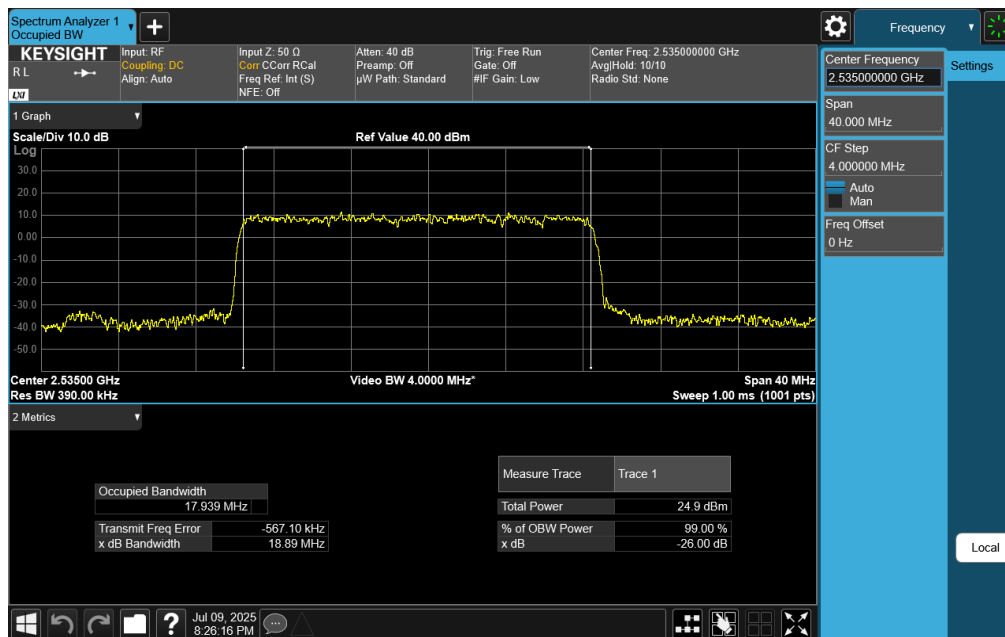
FCC ID: BCGA3361	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-65. Occupied Bandwidth Plot (NR Band n7 - 15MHz CP-OFDM 256-QAM - Full RB)

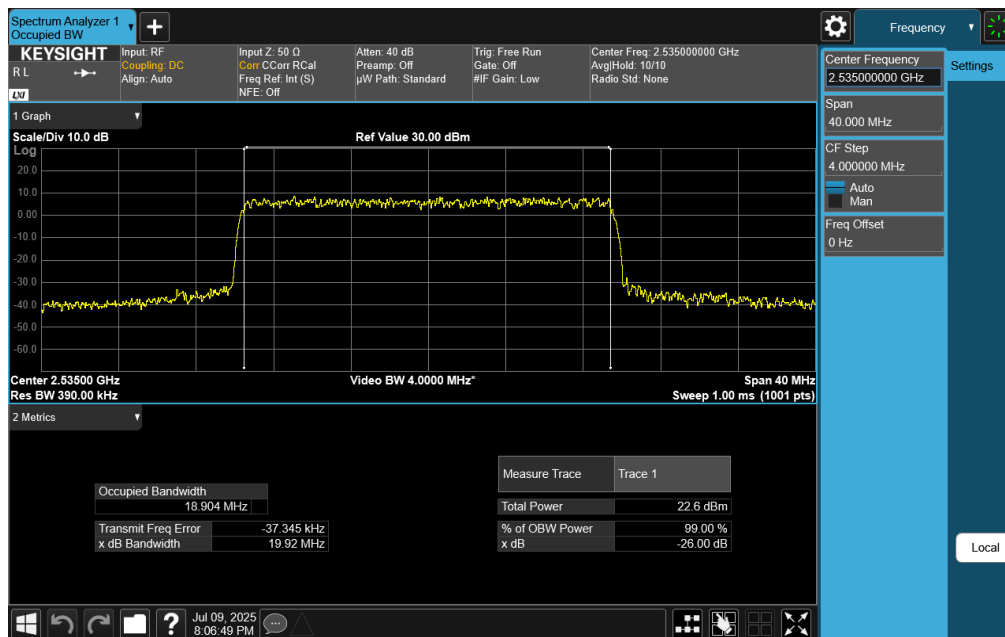
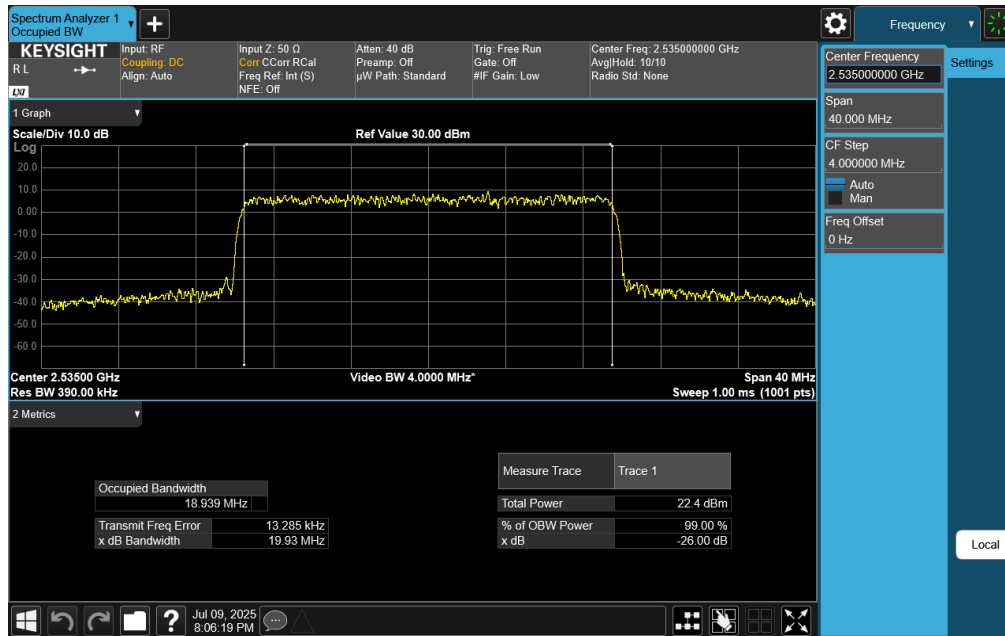


Plot 7-66. Occupied Bandwidth Plot (NR Band n7 - 20MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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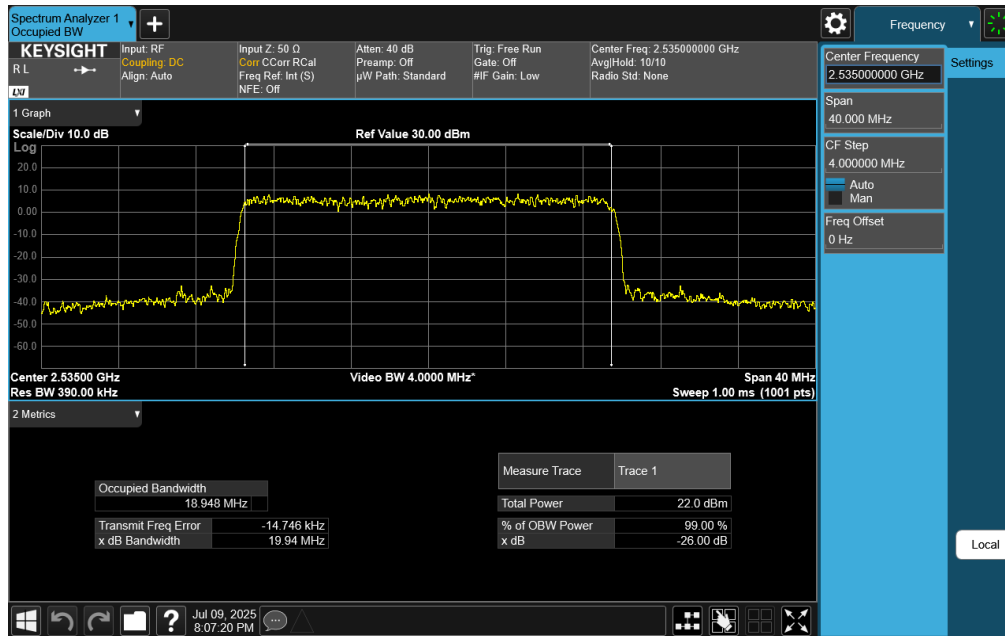
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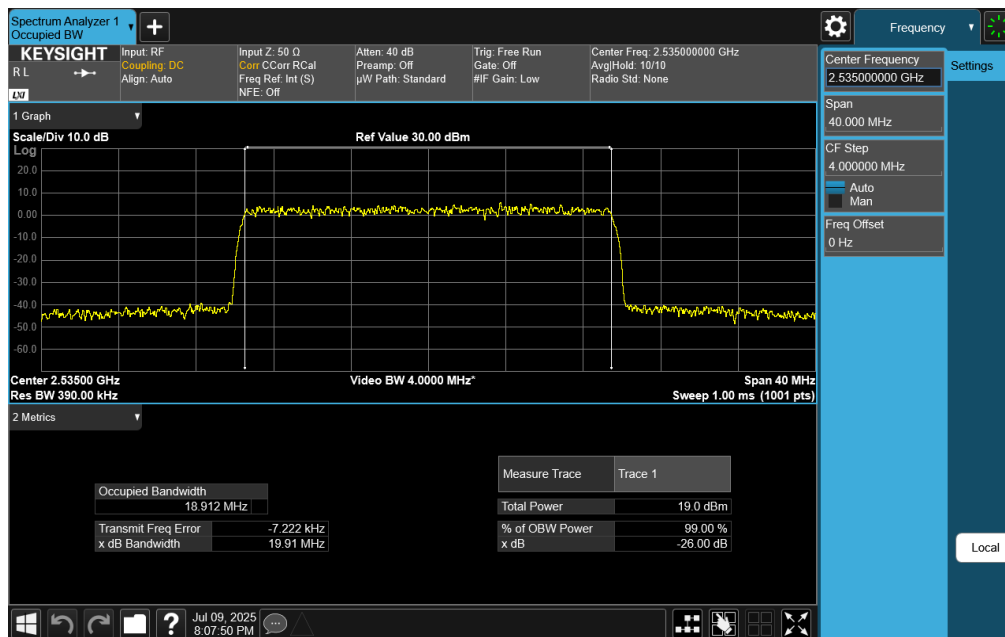
FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-69. Occupied Bandwidth Plot (NR Band n7 - 20MHz CP-OFDM 64-QAM - Full RB)

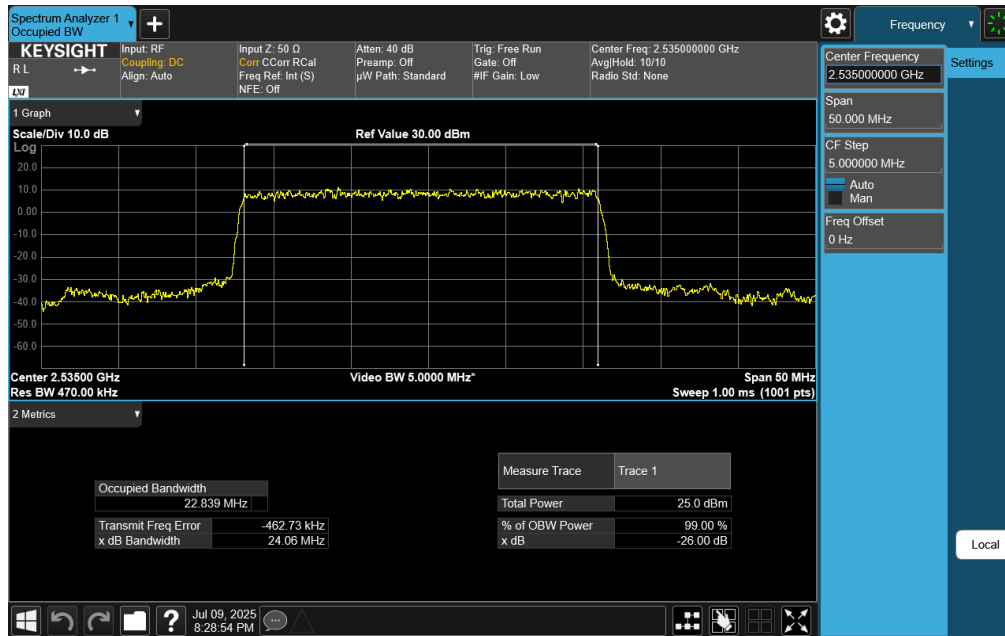


Plot 7-70. Occupied Bandwidth Plot (NR Band n7 - 20MHz CP-OFDM 256-QAM - Full RB)

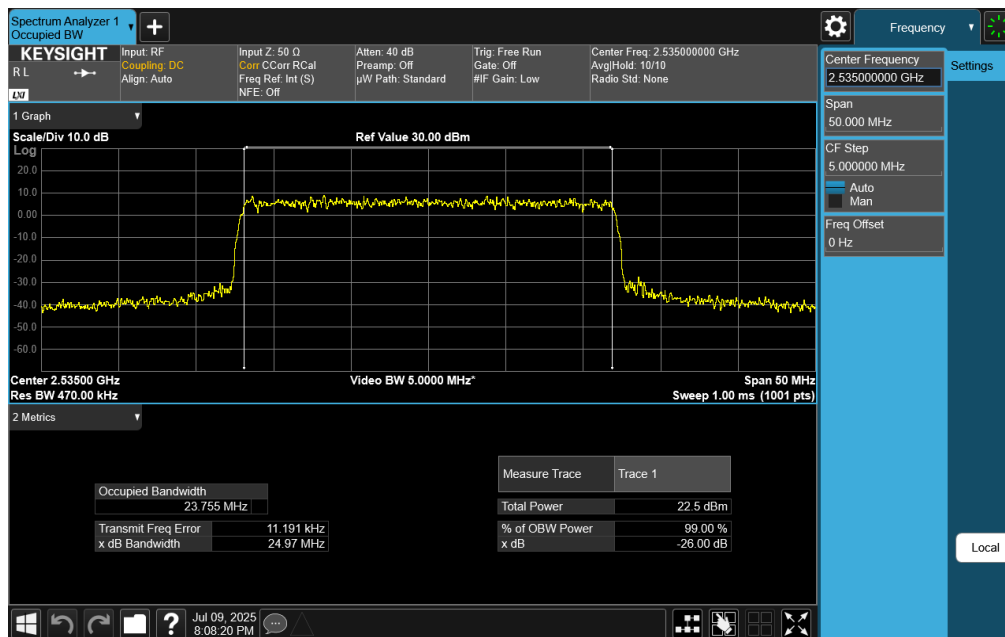
FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-71. Occupied Bandwidth Plot (NR Band n7 - 25MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

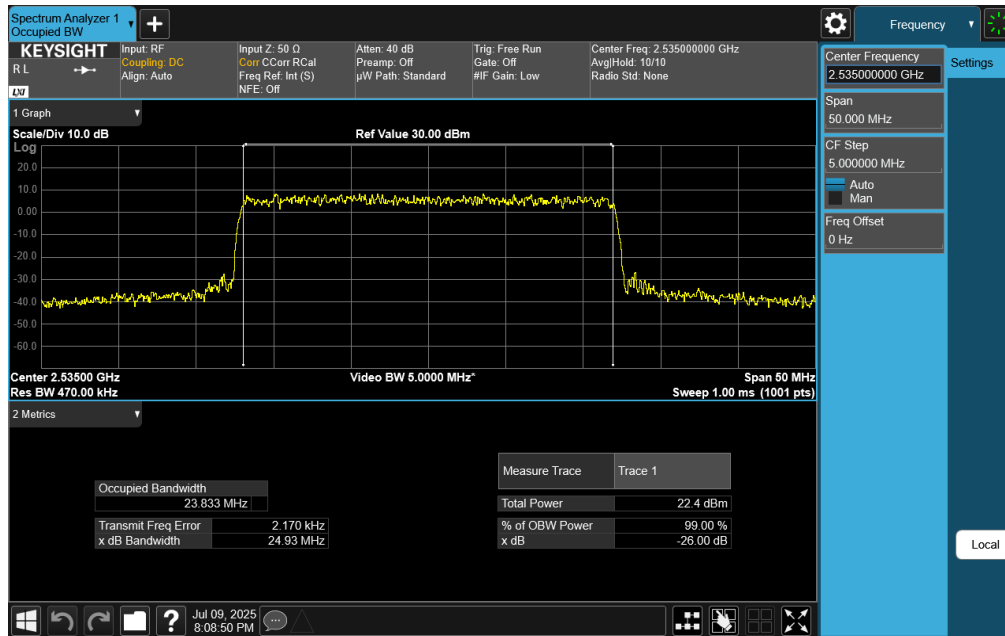


Plot 7-72. Occupied Bandwidth Plot (NR Band n7 - 25MHz CP-OFDM QPSK - Full RB)

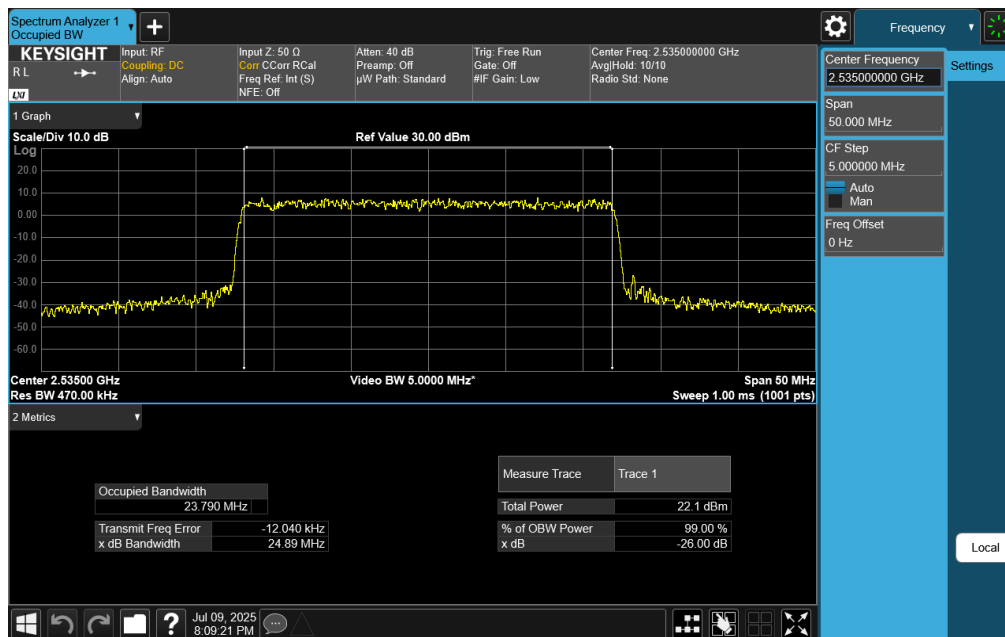
FCC ID: BCGA3361	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-73. Occupied Bandwidth Plot (NR Band n7 - 25MHz CP-OFDM 16-QAM - Full RB)

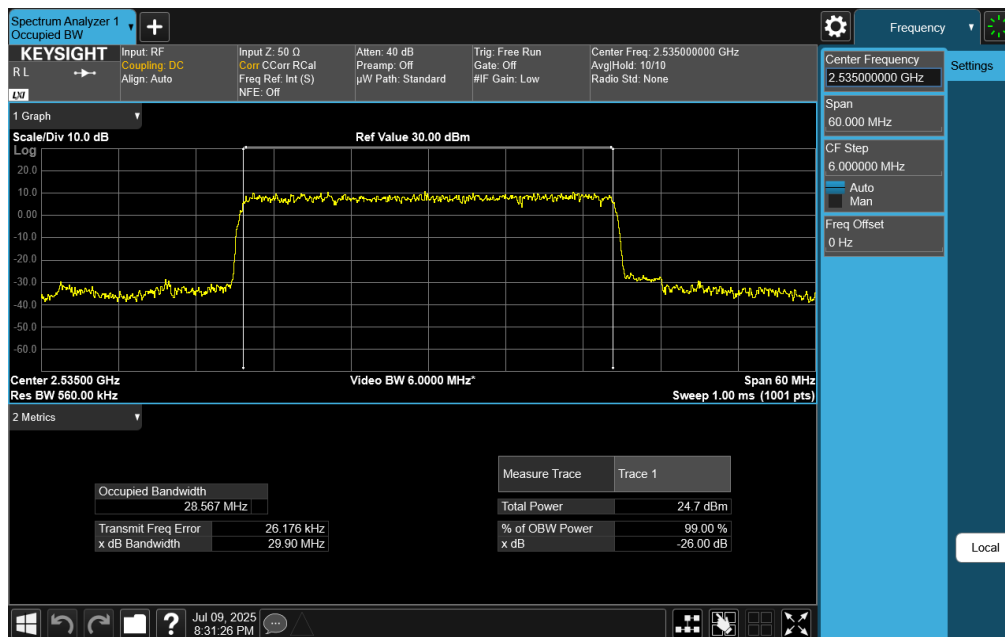
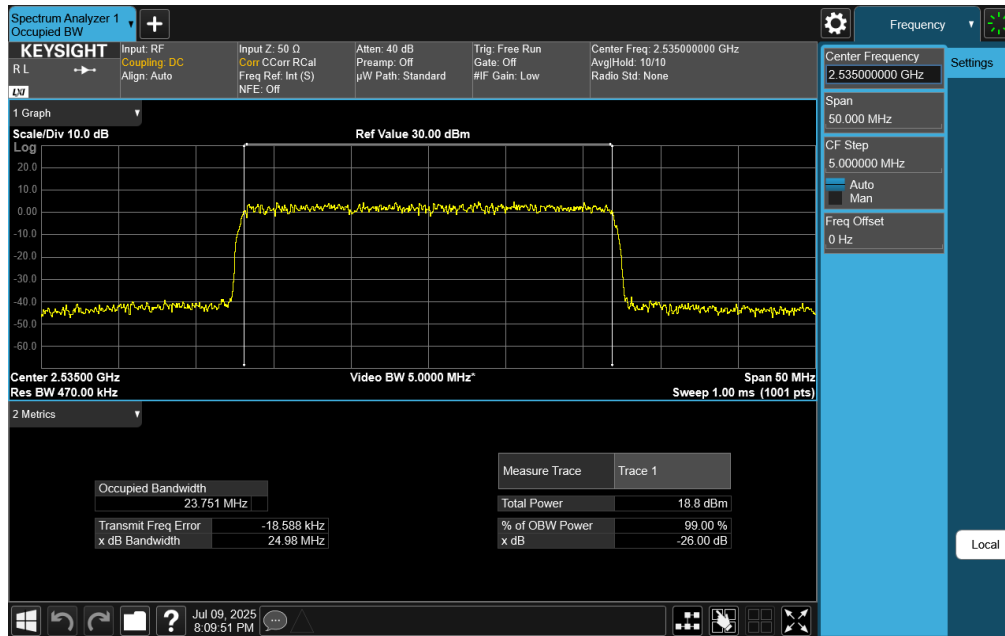


Plot 7-74. Occupied Bandwidth Plot (NR Band n7 - 25MHz CP-OFDM 64-QAM - Full RB)

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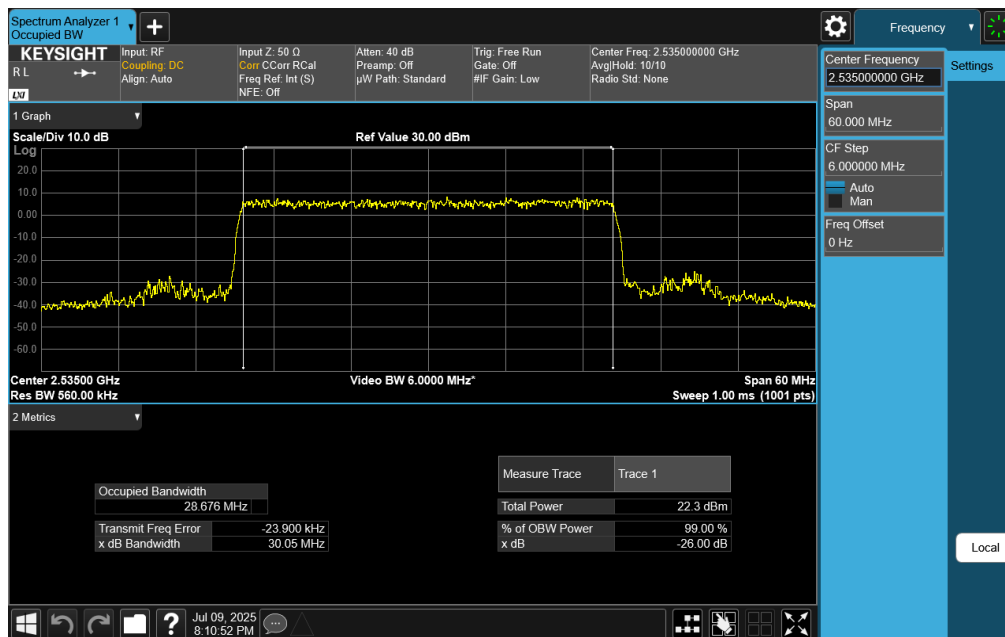
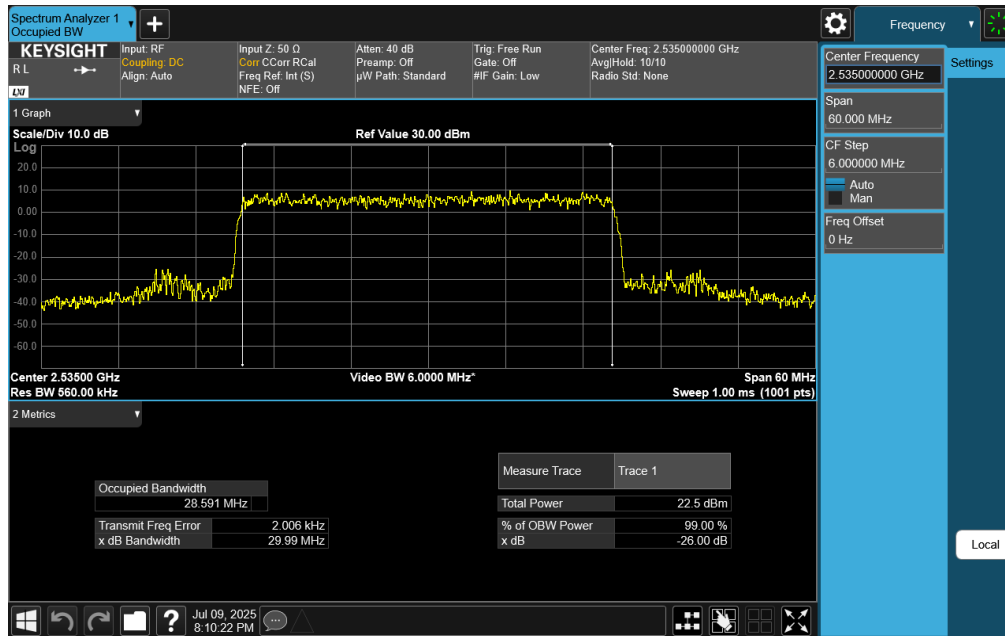
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