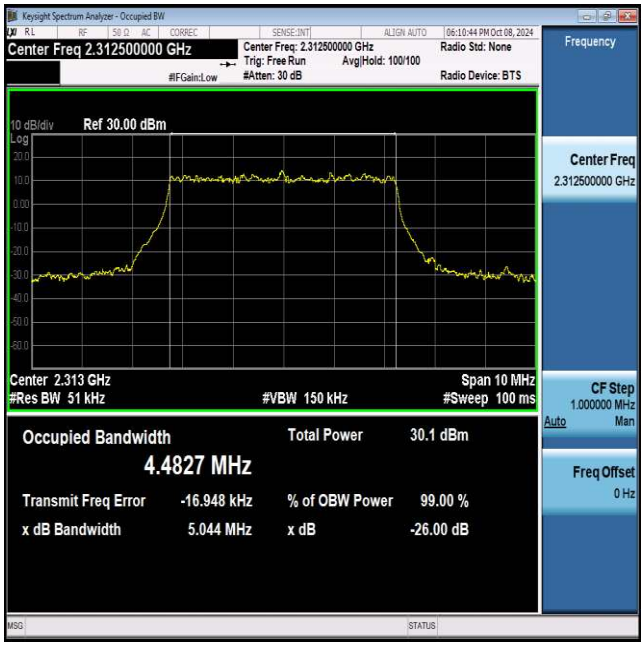

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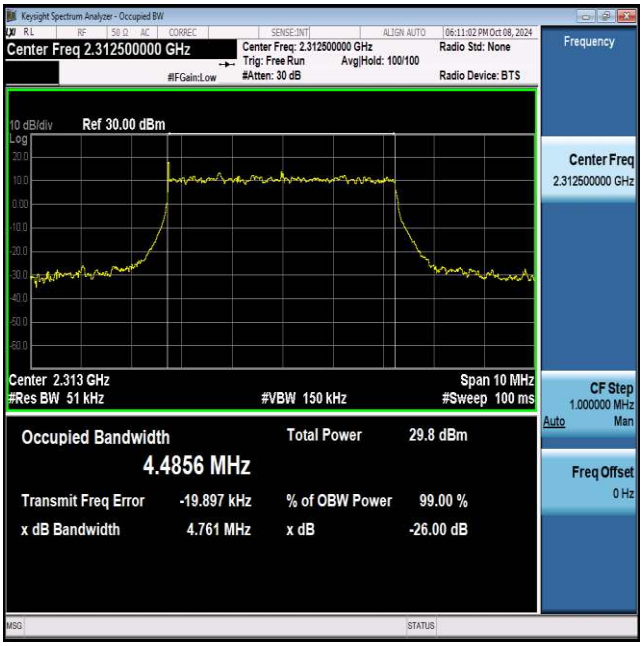

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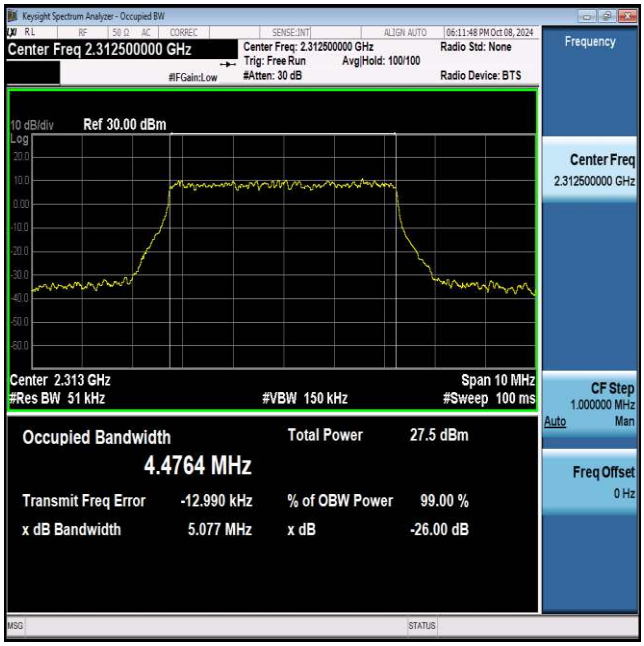

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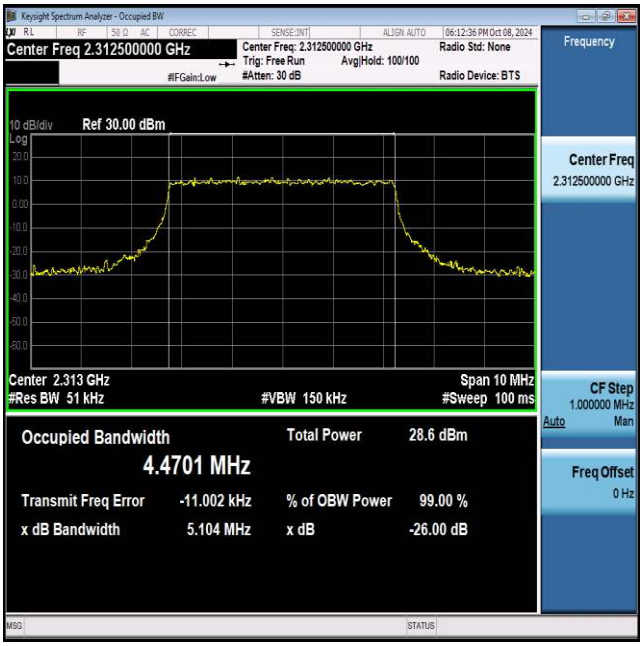

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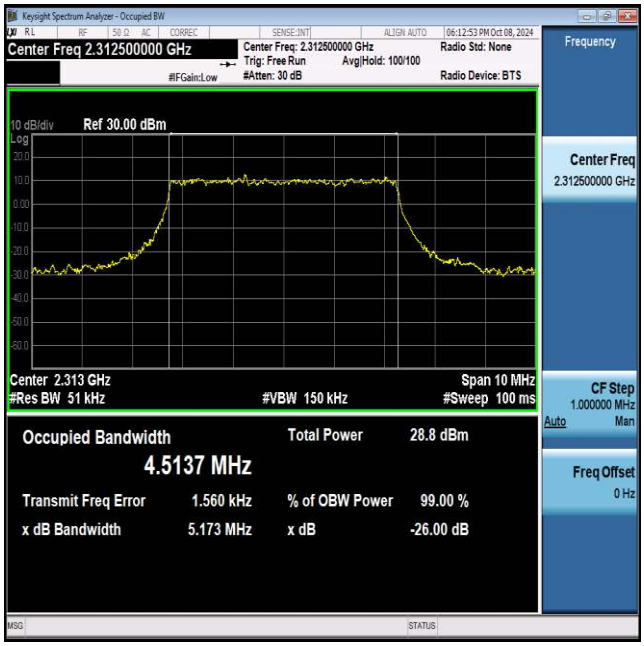

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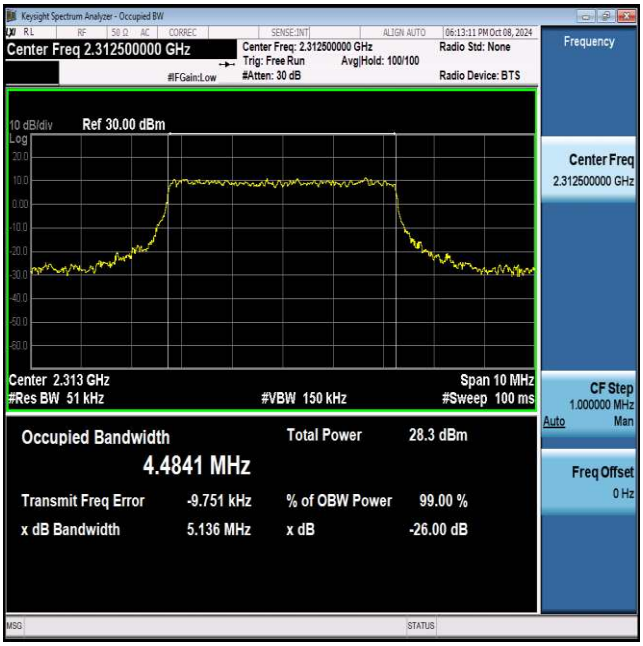

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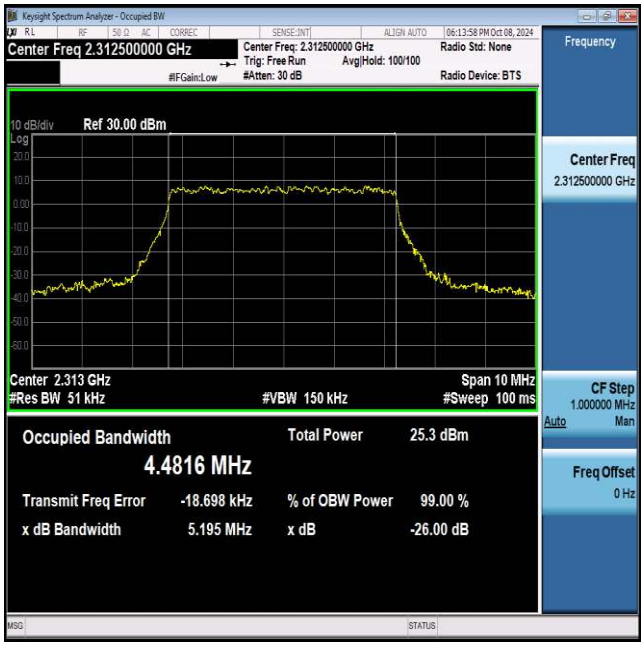

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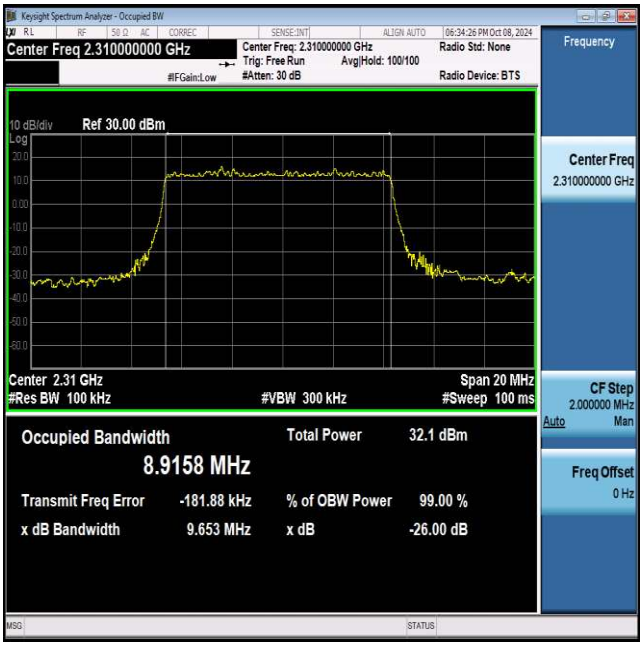

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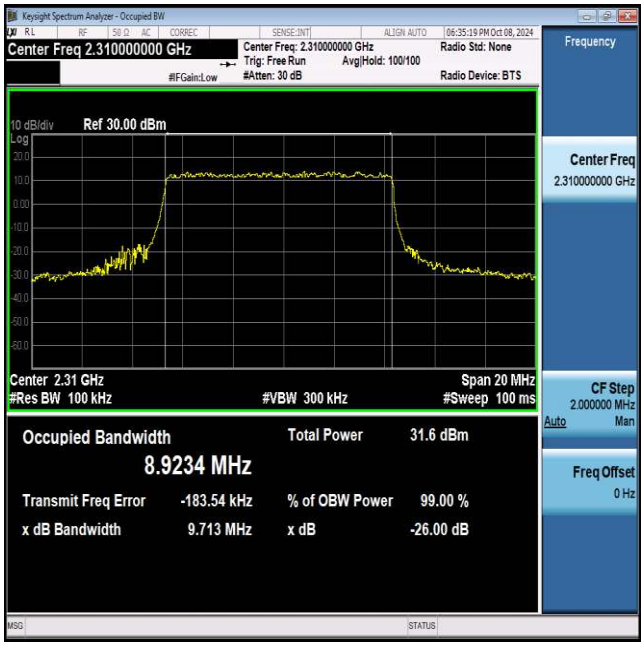

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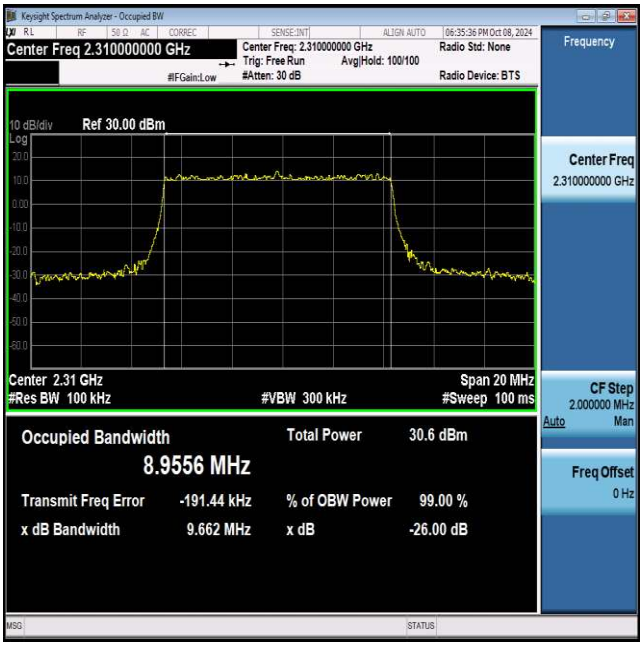

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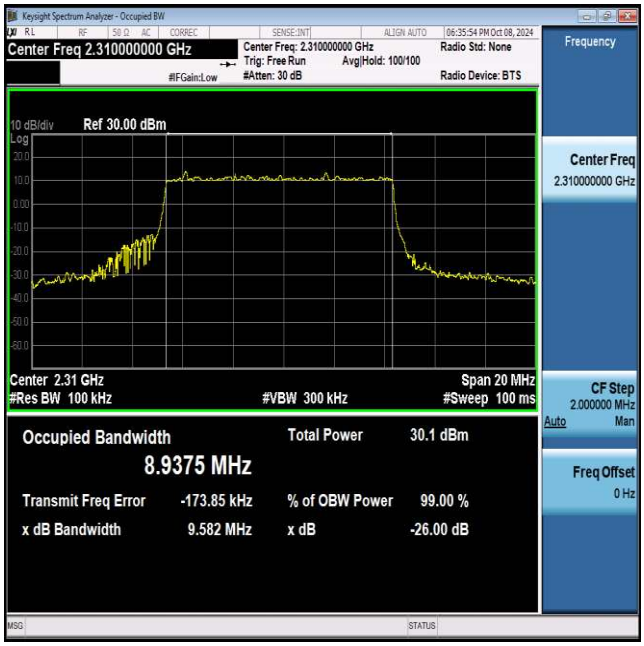

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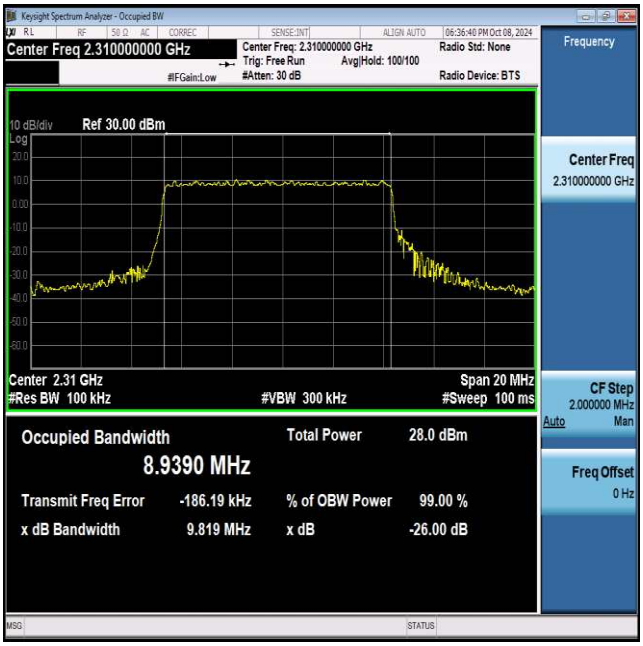

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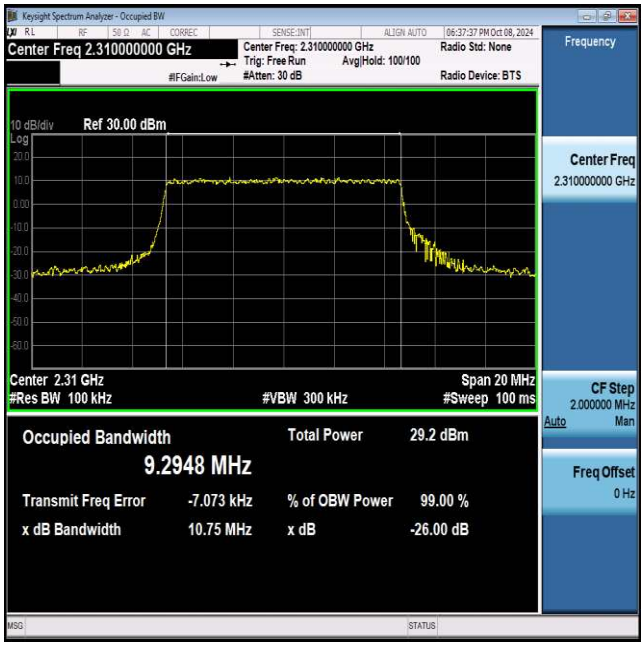

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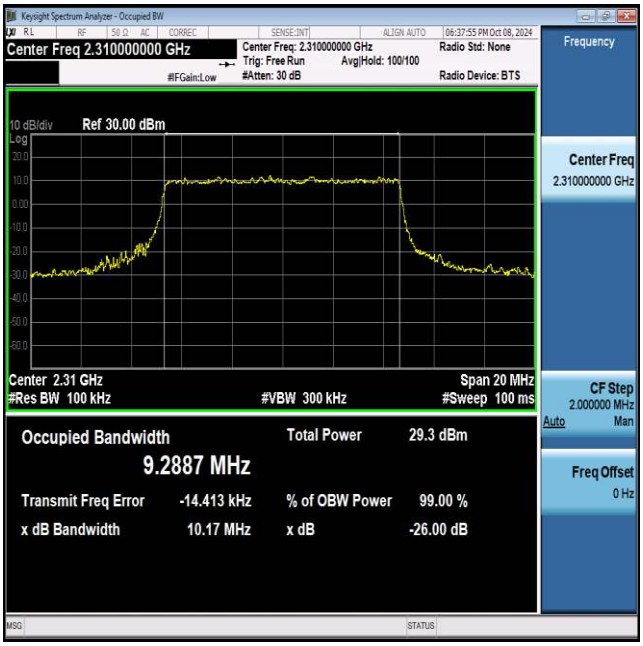

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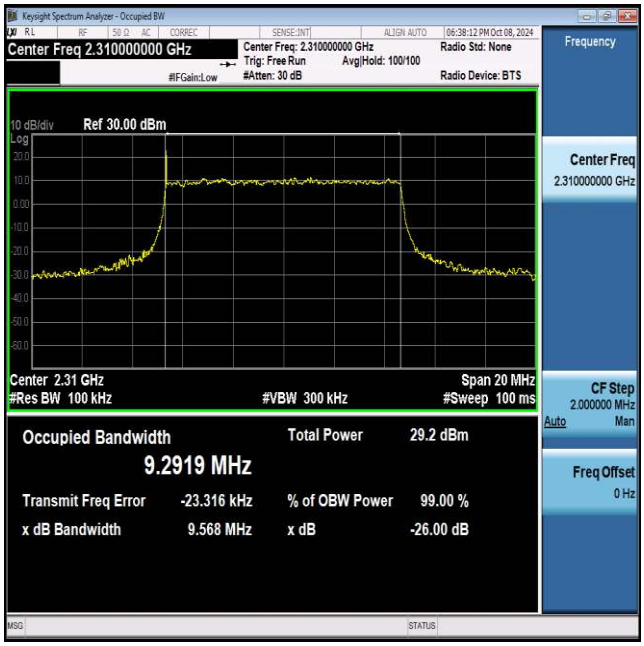

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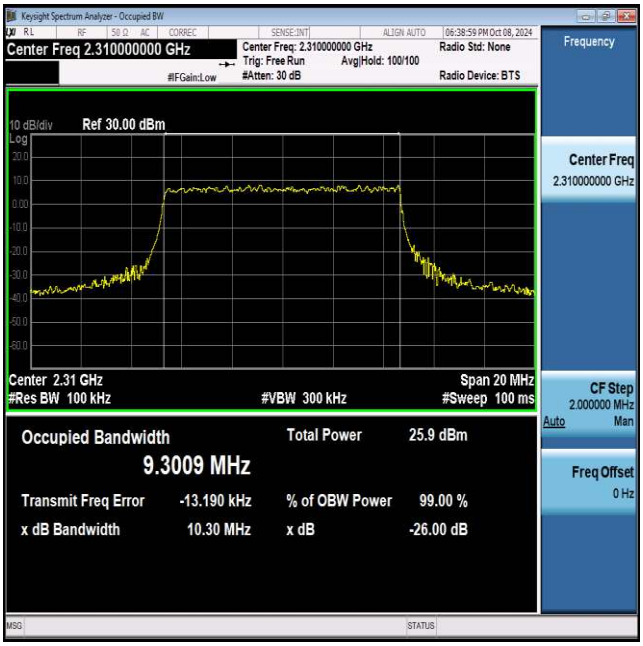

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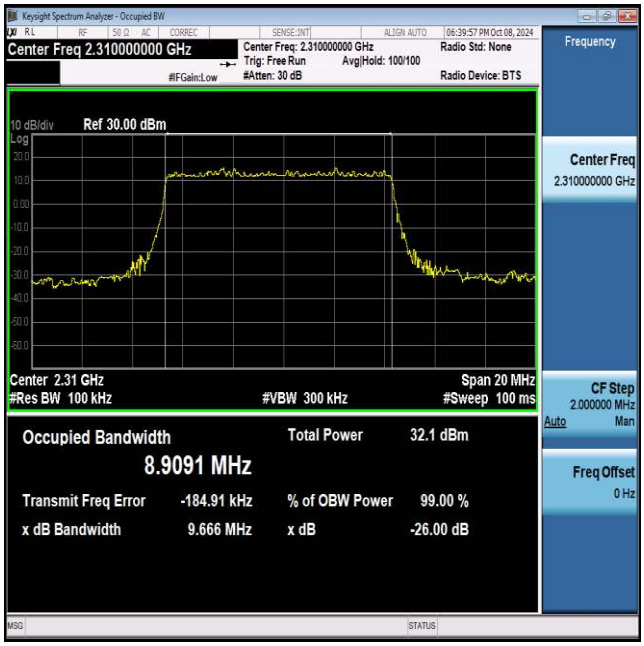

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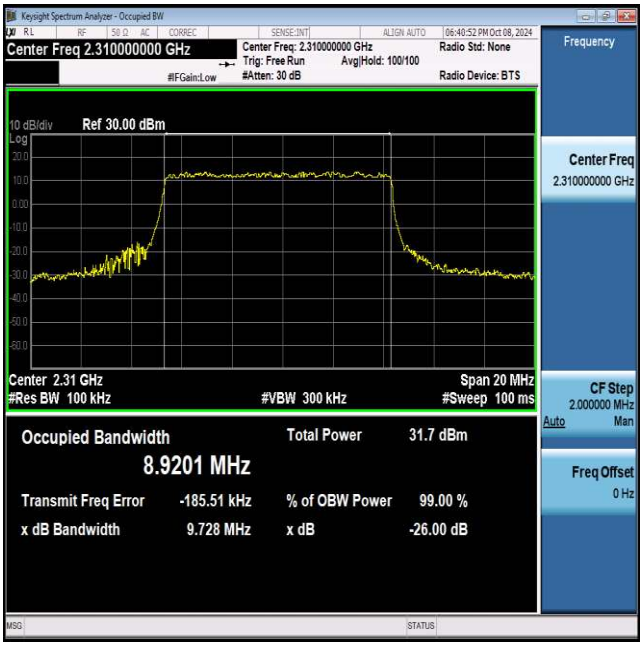

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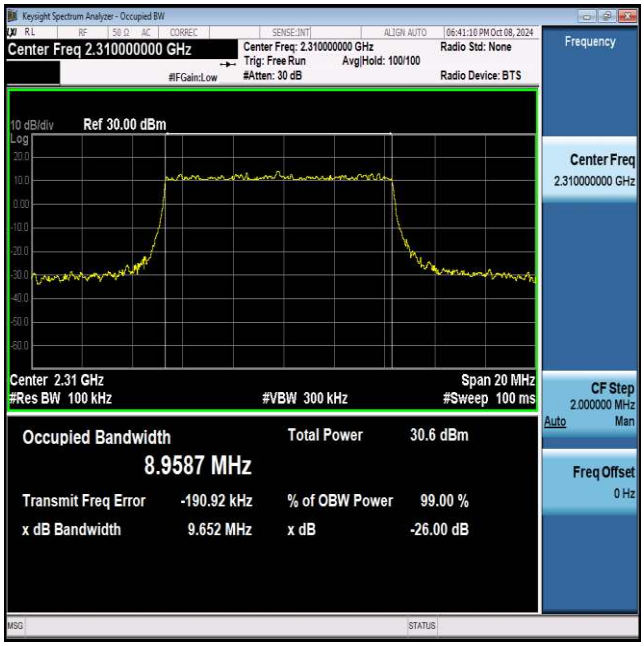

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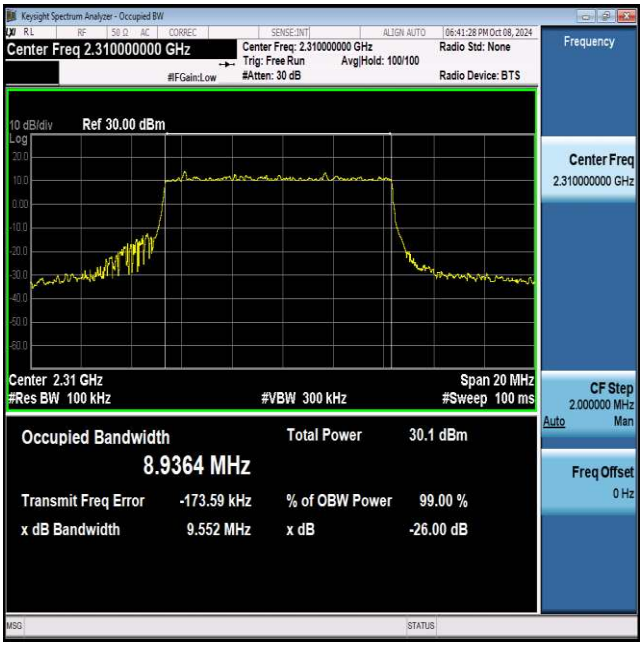

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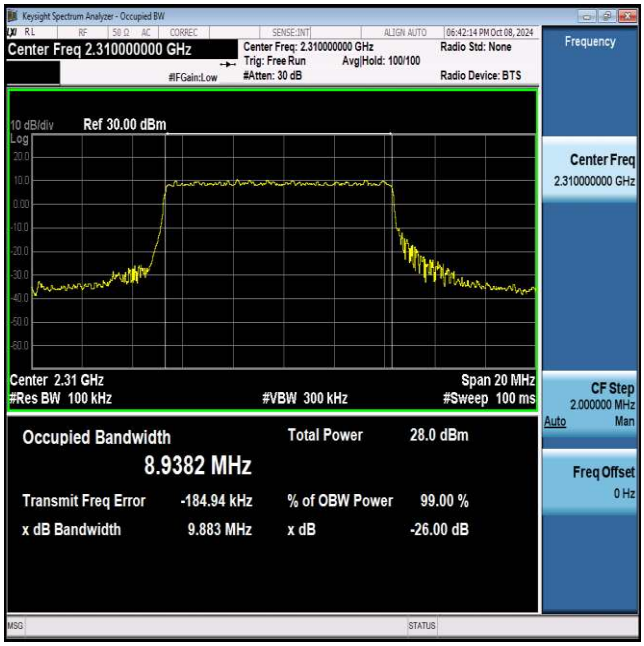

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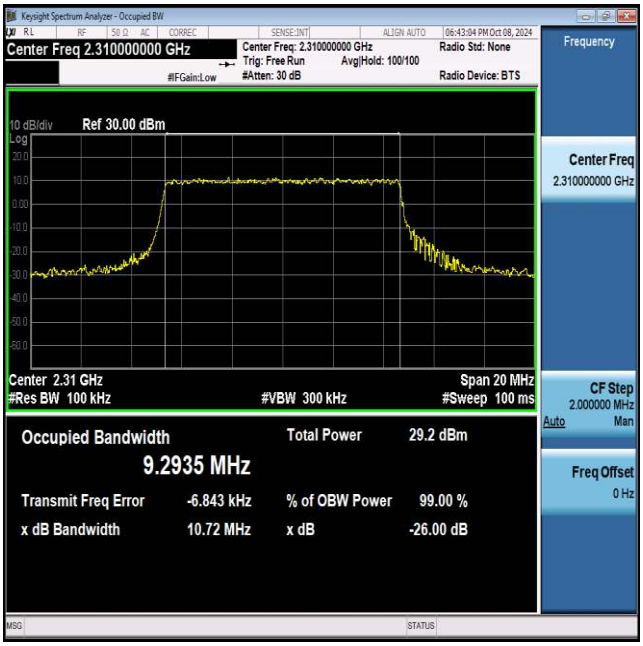

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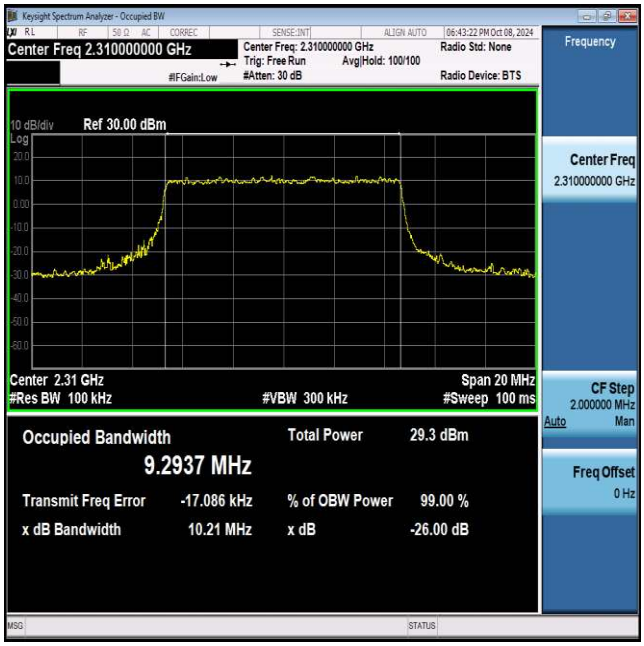

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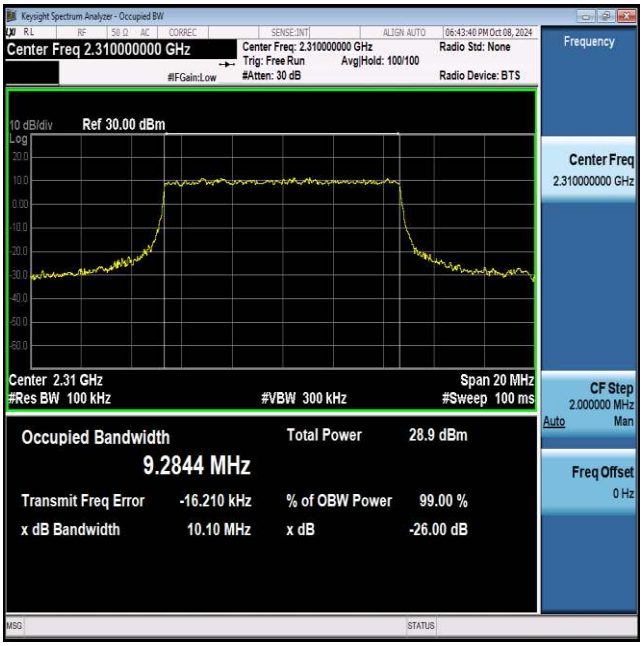

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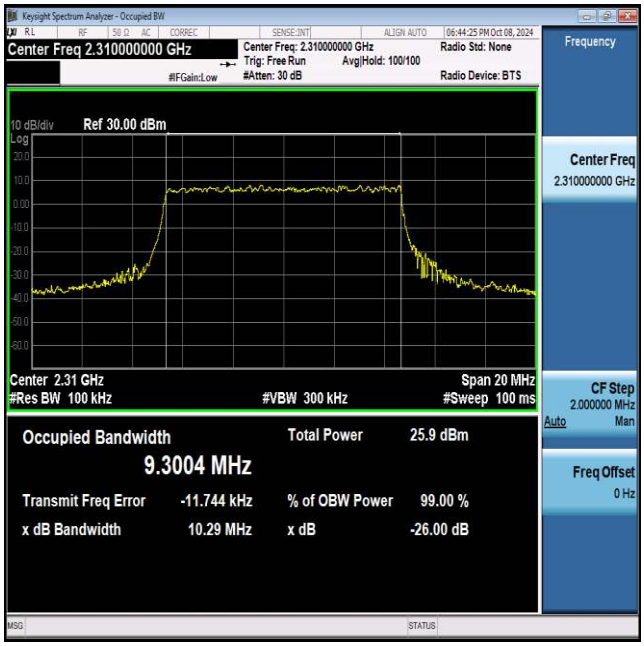

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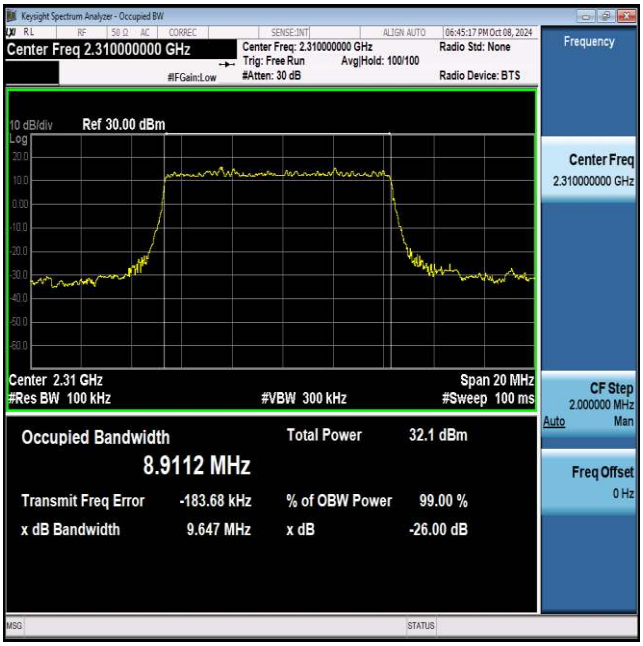

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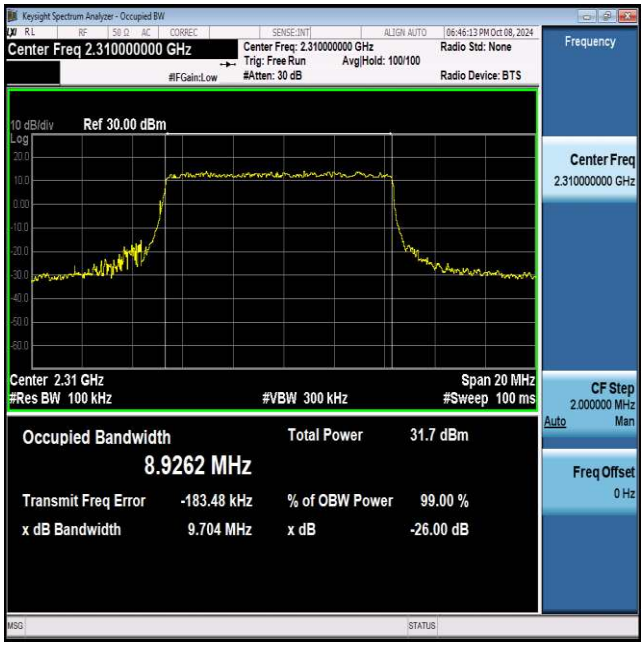

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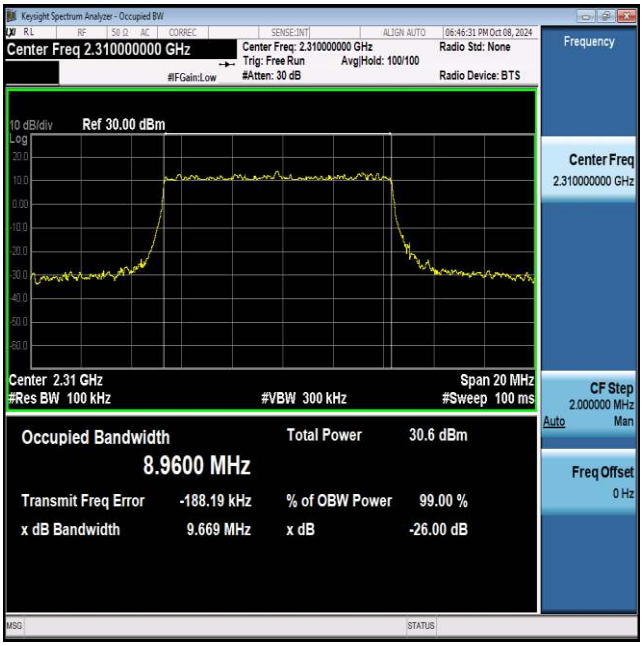

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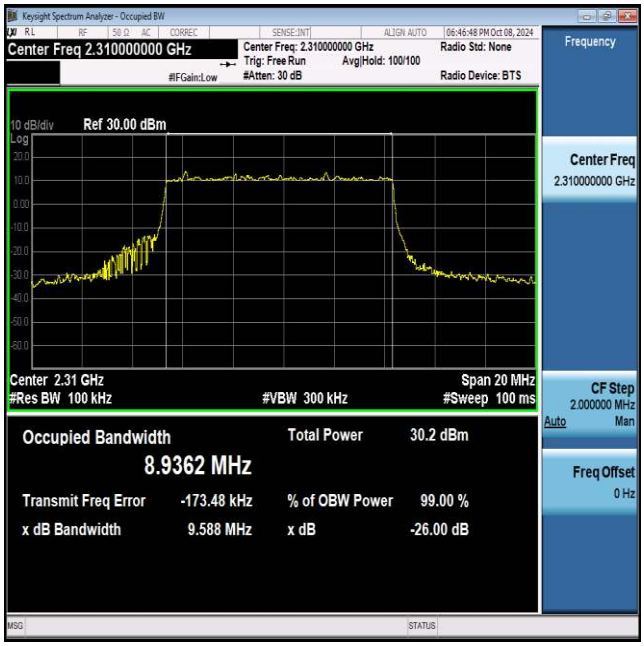

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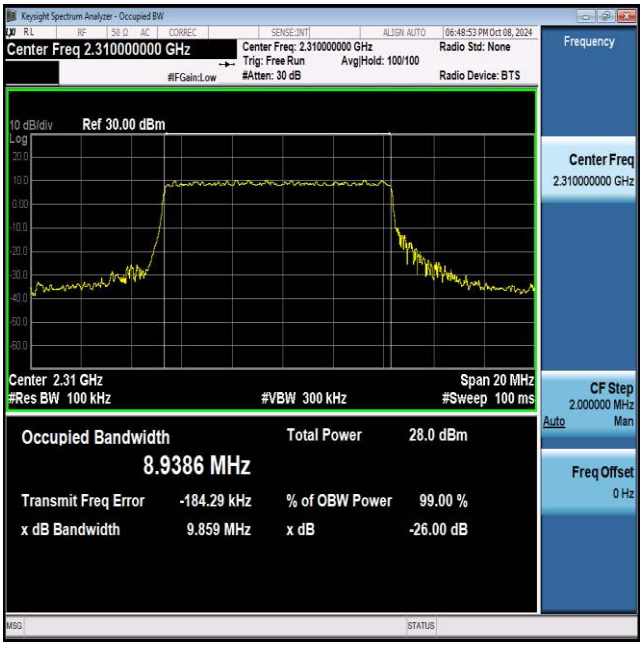

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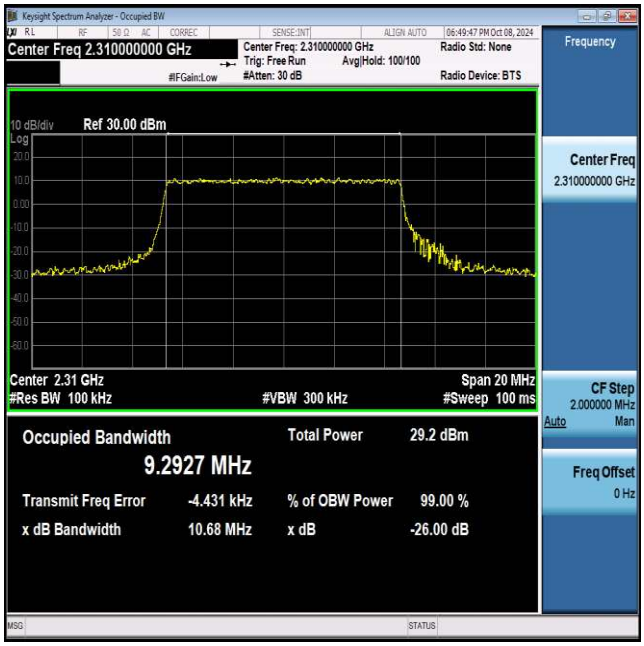

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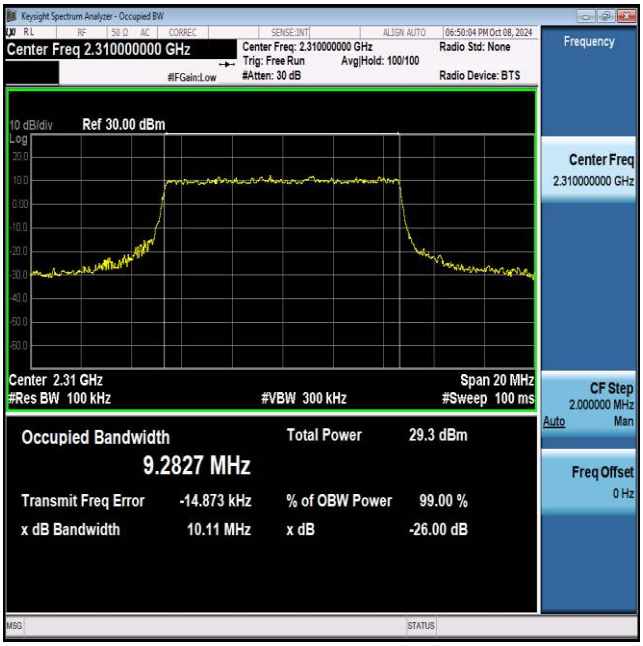

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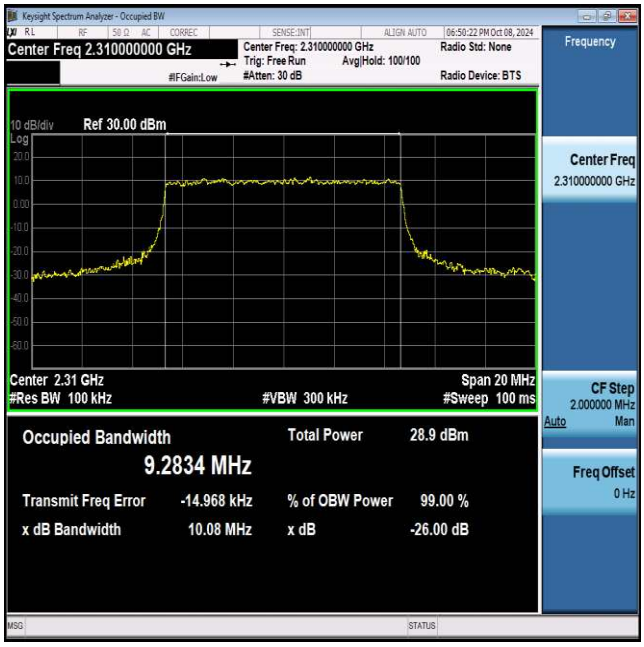

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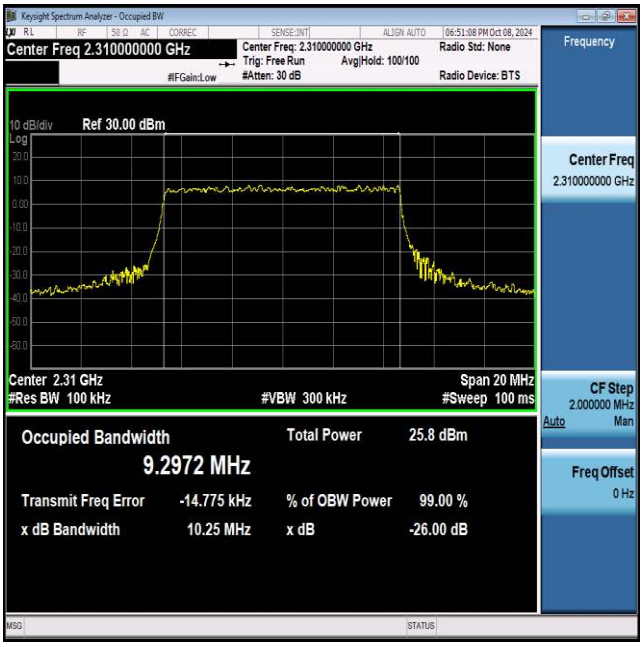

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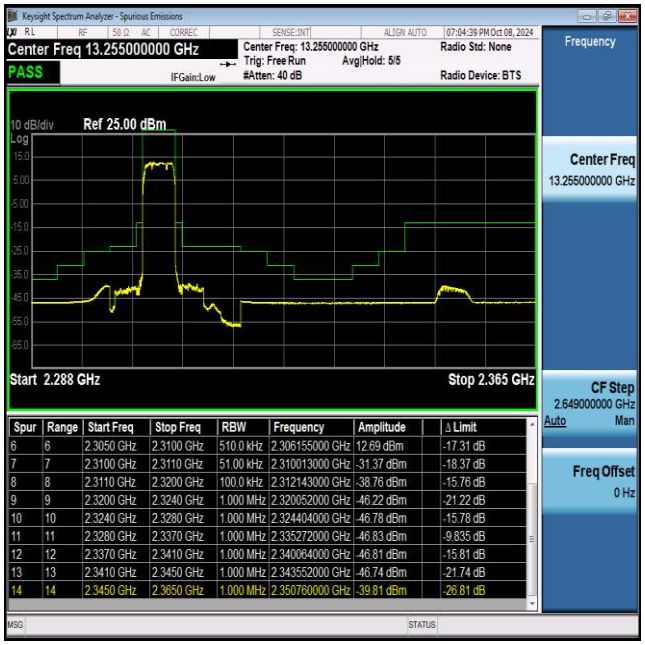
Band Edge for SA

Test Graphs



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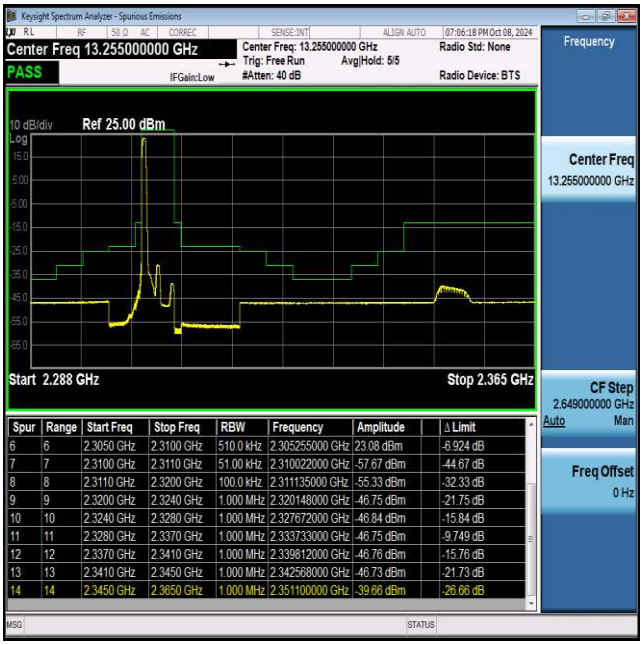

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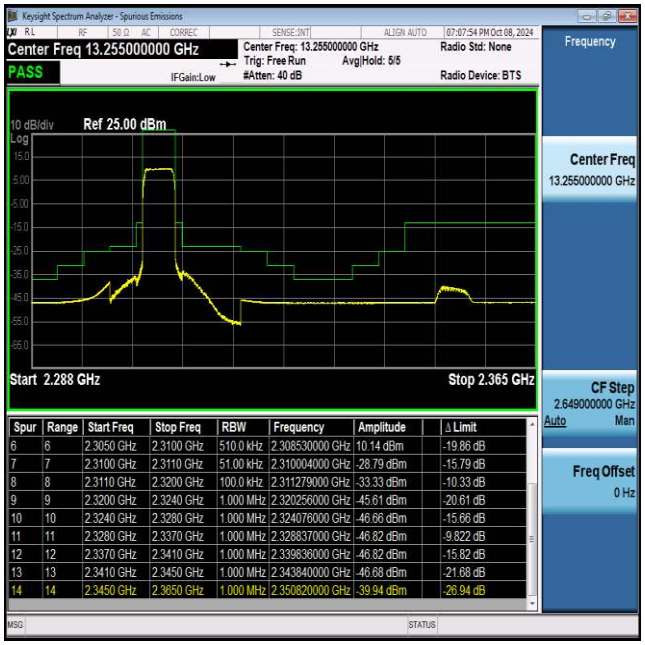

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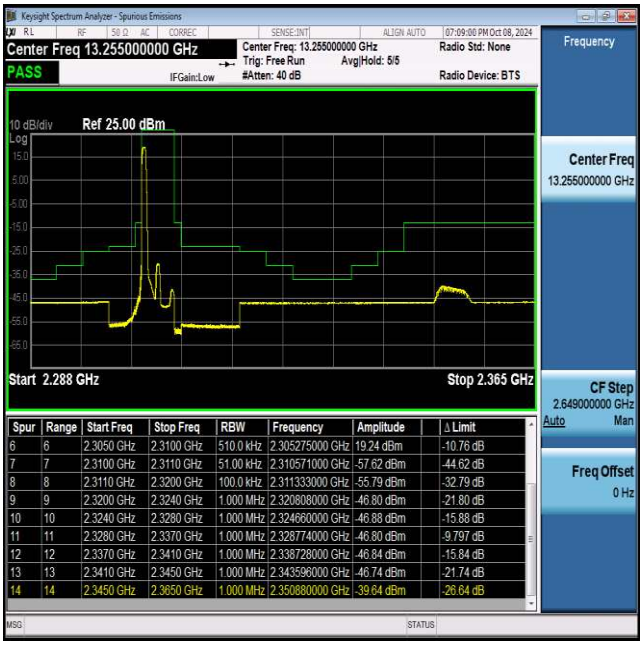

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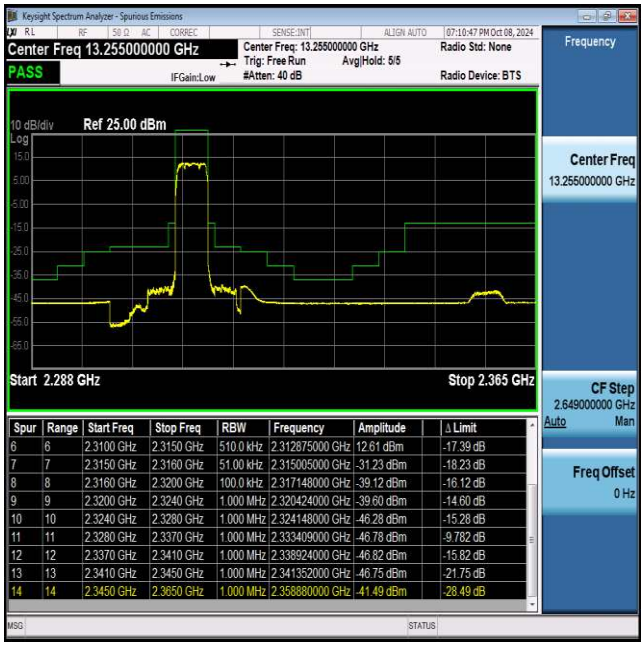
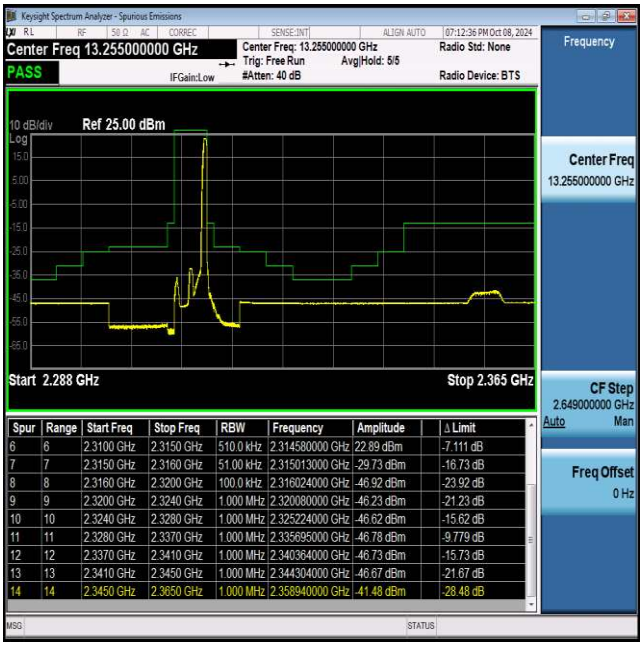


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
6	6	2.3100 GHz	2.3150 GHz	510.0 kHz	2.312875000 GHz	12.61 dBm	-17.39 dB
7	7	2.3150 GHz	2.3160 GHz	51.00 kHz	2.315005000 GHz	-31.23 dBm	-18.23 dB
8	8	2.3160 GHz	2.3200 GHz	100.0 kHz	2.317148000 GHz	-39.12 dBm	-16.12 dB
9	9	2.3200 GHz	2.3240 GHz	1.000 MHz	2.320424000 GHz	-39.60 dBm	-14.60 dB
10	10	2.3240 GHz	2.3280 GHz	1.000 MHz	2.324148000 GHz	-46.28 dBm	-15.28 dB
11	11	2.3280 GHz	2.3370 GHz	1.000 MHz	2.333409000 GHz	-46.78 dBm	-9.782 dB
12	12	2.3370 GHz	2.3410 GHz	1.000 MHz	2.338924000 GHz	-46.82 dBm	-15.82 dB
13	13	2.3410 GHz	2.3450 GHz	1.000 MHz	2.341352000 GHz	-46.75 dBm	-21.75 dB
14	14	2.3450 GHz	2.3650 GHz	1.000 MHz	2.358880000 GHz	-41.49 dBm	-28.49 dB

NTNV_N30_PC3_15_5_H_TID1__#1

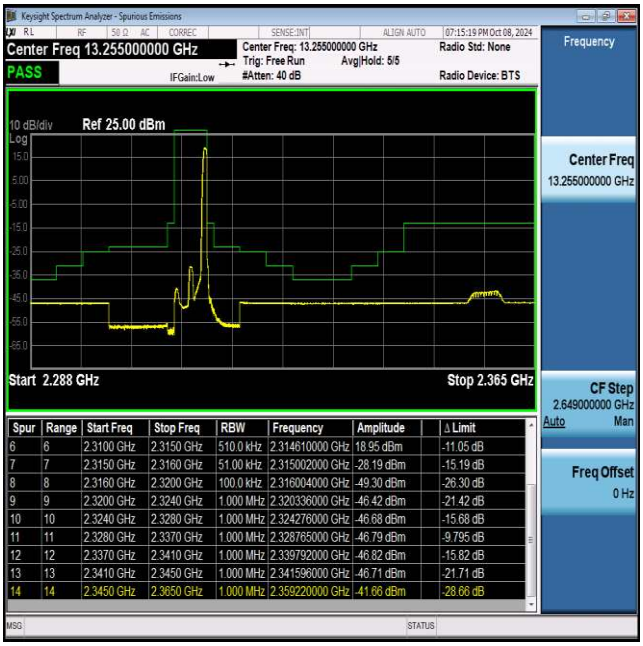


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
6	6	2.3100 GHz	2.3150 GHz	510.0 kHz	2.314580000 GHz	22.89 dBm	-7.111 dB
7	7	2.3150 GHz	2.3160 GHz	51.00 kHz	2.315013000 GHz	-29.73 dBm	-16.73 dB
8	8	2.3160 GHz	2.3200 GHz	100.0 kHz	2.316024000 GHz	-46.92 dBm	-23.92 dB
9	9	2.3200 GHz	2.3240 GHz	1.000 MHz	2.320080000 GHz	-46.23 dBm	-21.23 dB
10	10	2.3240 GHz	2.3280 GHz	1.000 MHz	2.325224000 GHz	-46.62 dBm	-15.62 dB
11	11	2.3280 GHz	2.3370 GHz	1.000 MHz	2.335695000 GHz	-46.78 dBm	-9.779 dB
12	12	2.3370 GHz	2.3410 GHz	1.000 MHz	2.340364000 GHz	-46.73 dBm	-15.73 dB
13	13	2.3410 GHz	2.3450 GHz	1.000 MHz	2.344304000 GHz	-46.67 dBm	-21.67 dB
14	14	2.3450 GHz	2.3650 GHz	1.000 MHz	2.358940000 GHz	-41.48 dBm	-28.48 dB

NTNV_N30_PC3_15_5_H_TID3__#1

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
6	6	2.3100 GHz	2.3150 GHz	510.0 kHz	2.313965000 GHz	10.04 dBm	-19.96 dB
7	7	2.3150 GHz	2.3160 GHz	51.00 kHz	2.315035000 GHz	-29.68 dBm	-16.68 dB
8	8	2.3160 GHz	2.3200 GHz	100.0 kHz	2.316016000 GHz	-36.29 dBm	-13.29 dB
9	9	2.3200 GHz	2.3240 GHz	1.000 MHz	2.320024000 GHz	-38.14 dBm	-13.14 dB
10	10	2.3240 GHz	2.3280 GHz	1.000 MHz	2.324024000 GHz	-45.73 dBm	-14.73 dB
11	11	2.3280 GHz	2.3370 GHz	1.000 MHz	2.328063000 GHz	-46.76 dBm	-9.761 dB
12	12	2.3370 GHz	2.3410 GHz	1.000 MHz	2.338344000 GHz	-46.82 dBm	-15.82 dB
13	13	2.3410 GHz	2.3450 GHz	1.000 MHz	2.343184000 GHz	-46.73 dBm	-21.73 dB
14	14	2.3450 GHz	2.3650 GHz	1.000 MHz	2.358760000 GHz	-41.57 dBm	-28.57 dB

NTNV_N30_PC3_15_5_H_TID16__#1



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
6	6	2.3100 GHz	2.3150 GHz	510.0 kHz	2.314610000 GHz	18.95 dBm	-11.05 dB
7	7	2.3150 GHz	2.3160 GHz	51.00 kHz	2.315002000 GHz	-28.19 dBm	-15.19 dB
8	8	2.3160 GHz	2.3200 GHz	100.0 kHz	2.316004000 GHz	-49.30 dBm	-26.30 dB
9	9	2.3200 GHz	2.3240 GHz	1.000 MHz	2.320336000 GHz	-46.42 dBm	-21.42 dB
10	10	2.3240 GHz	2.3280 GHz	1.000 MHz	2.324276000 GHz	-46.68 dBm	-15.68 dB
11	11	2.3280 GHz	2.3370 GHz	1.000 MHz	2.328765000 GHz	-46.79 dBm	-9.795 dB
12	12	2.3370 GHz	2.3410 GHz	1.000 MHz	2.339792000 GHz	-46.82 dBm	-15.82 dB
13	13	2.3410 GHz	2.3450 GHz	1.000 MHz	2.341596000 GHz	-46.71 dBm	-21.71 dB
14	14	2.3450 GHz	2.3650 GHz	1.000 MHz	2.359220000 GHz	-41.66 dBm	-28.66 dB

NTNV_N30_PC3_15_5_H_TID18__#1

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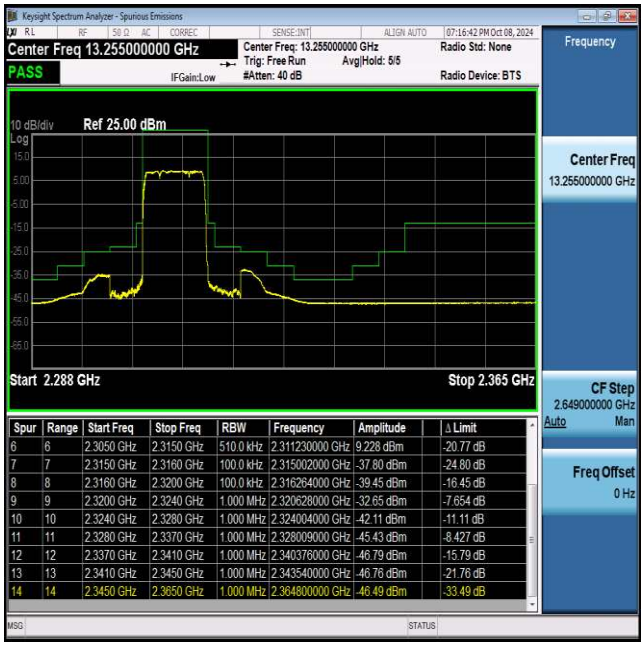
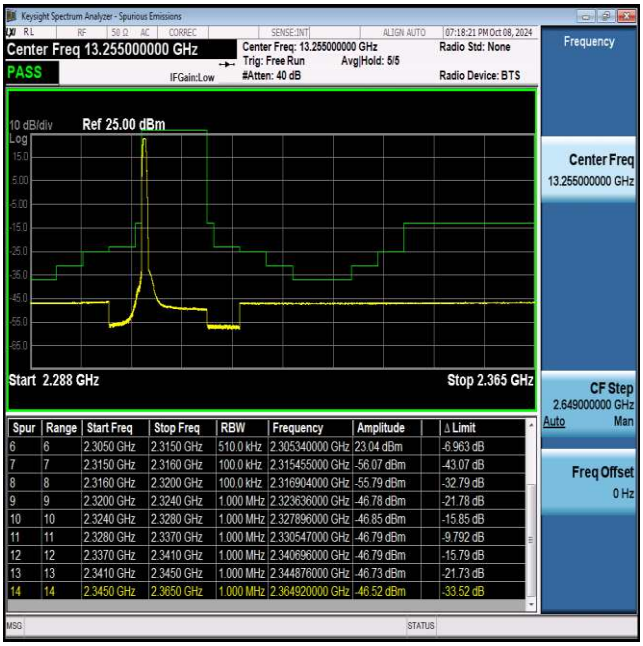


NTNV_N30_PC3_15_10_L_TID1__#1



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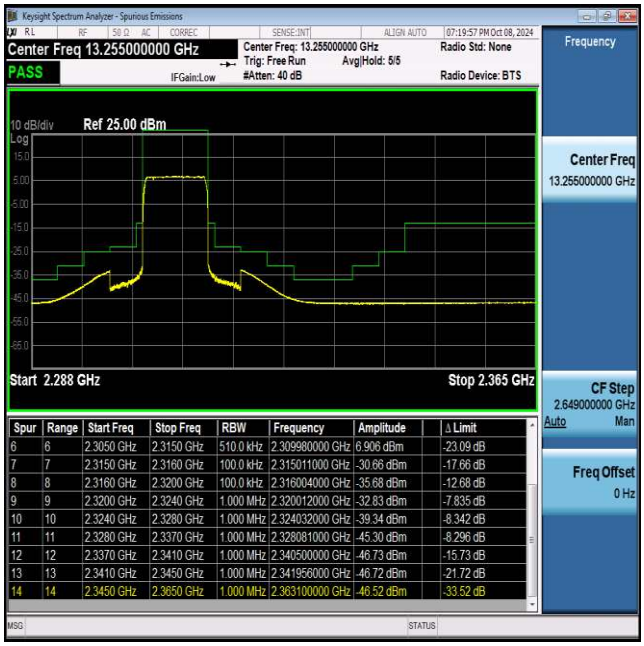

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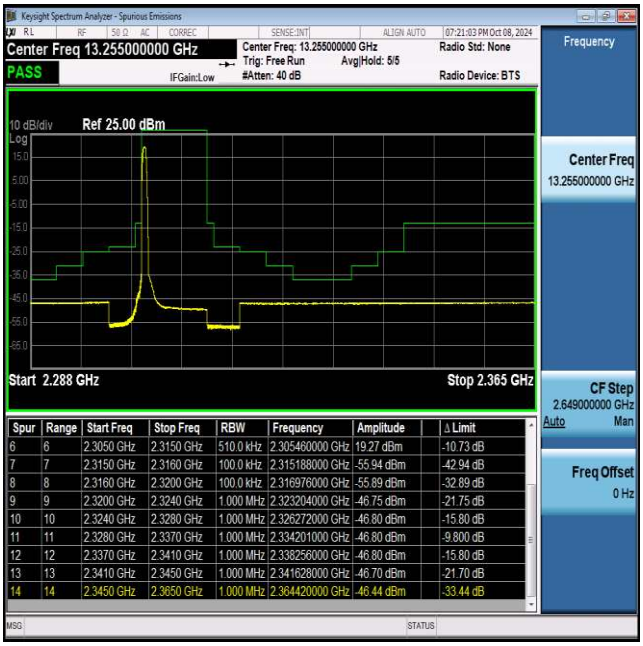

NTNV_N30_PC3_15_10_L_TID17__#1

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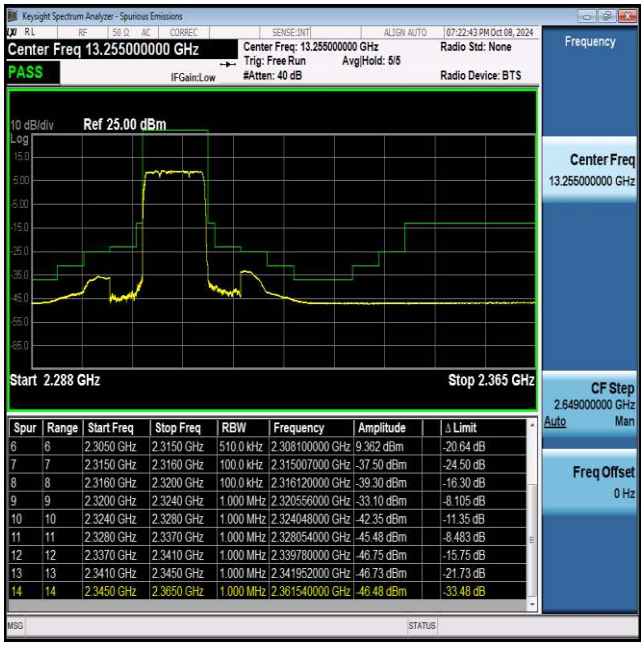

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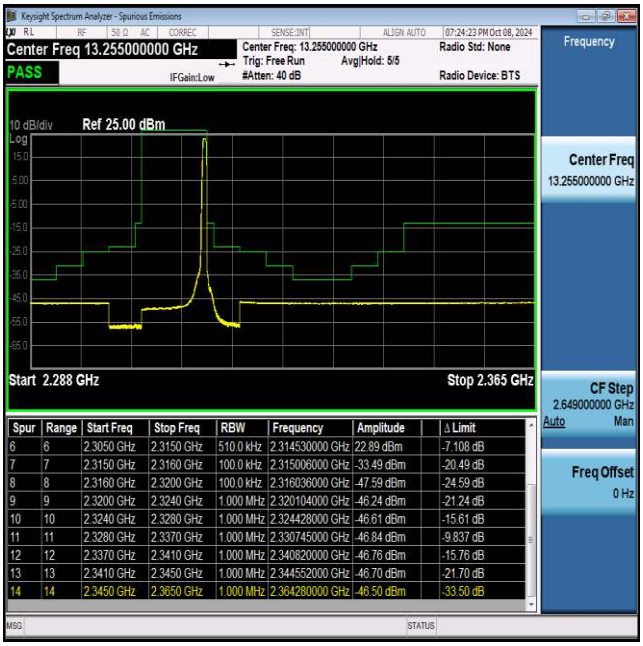

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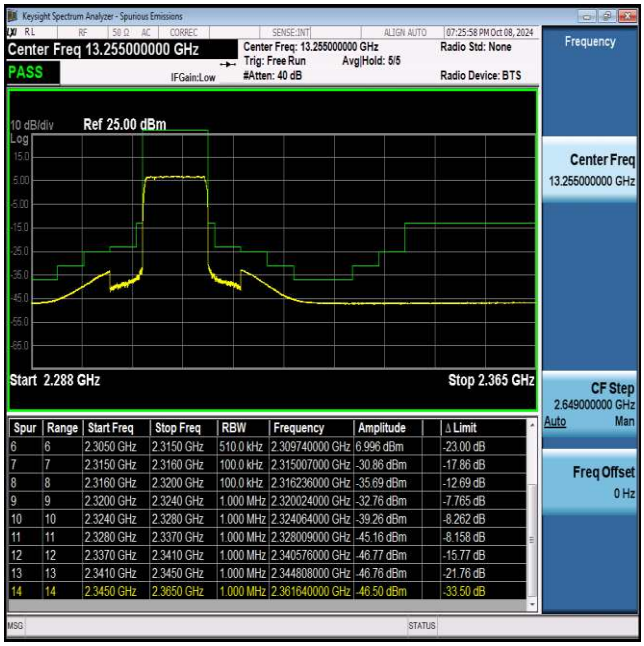

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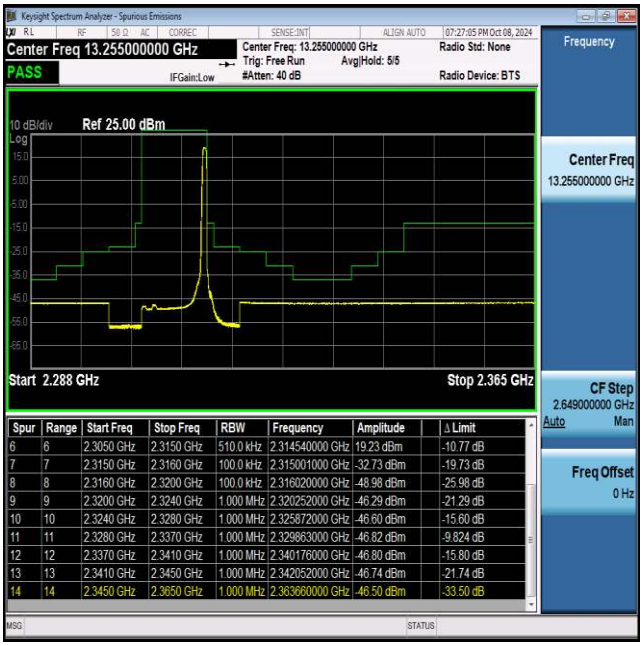

NTNV_N30_PC3_15_10_H_TID18__#1

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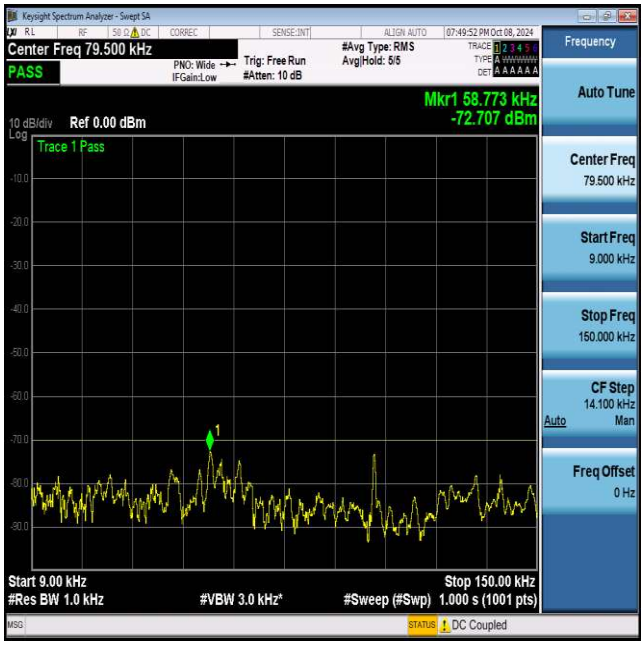
Conducted Spurious Emission for SA

Test Graphs



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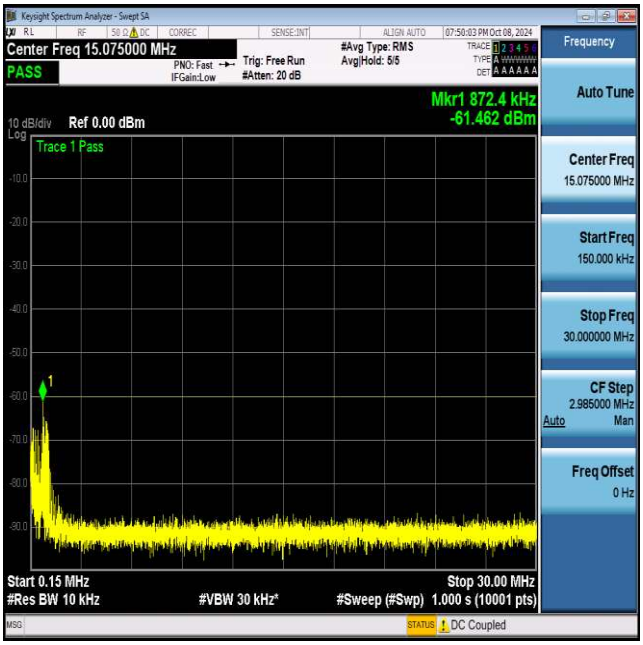

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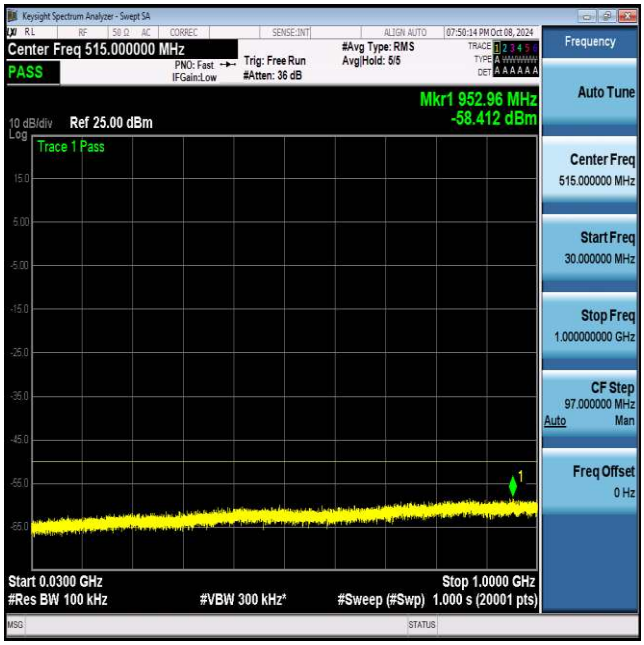

NTNV_N30_PC3_15_10_L_TID2_NS_01_30_1000_#1

NTNV_N30_PC3_15_10_L_TID2_NS_01_1000_3000_#1

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NTNV_N30_PC3_15_10_L_TID2_NS_01_3000_12000_#1

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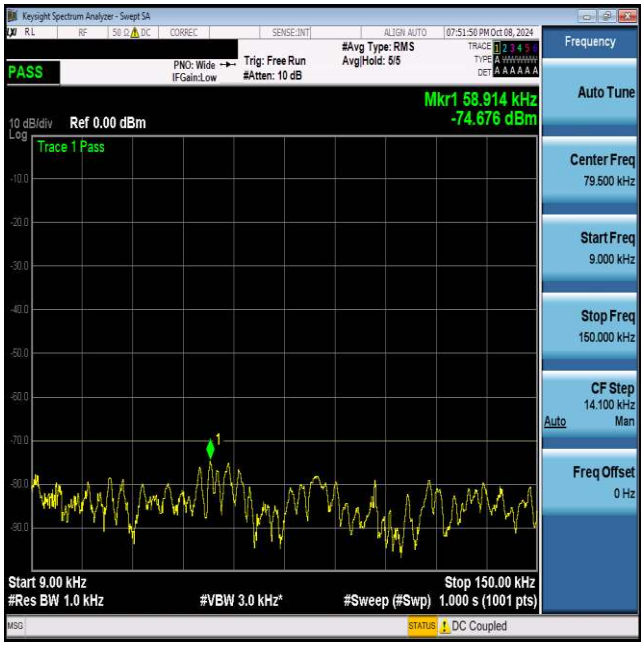

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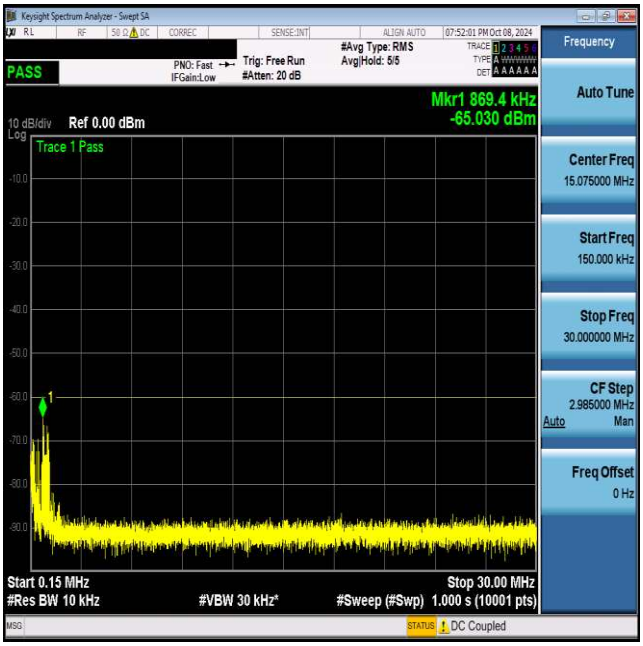

NTNV_N30_PC3_15_10_M_TID2_NS_01_0.15_30_#1

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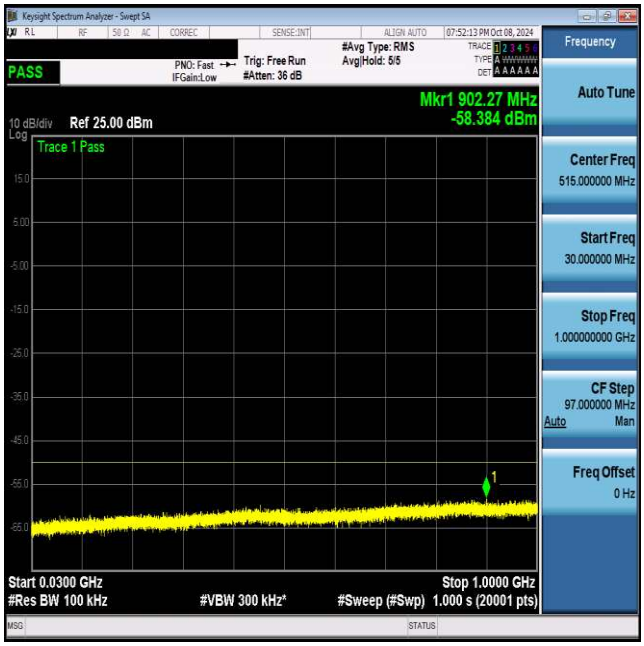

NTNV_N30_PC3_15_10_M_TID2_NS_01_30_1000_#1

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NTNV_N30_PC3_15_10_M_TID2_NS_01_3000_12000_#1

NTNV_N30_PC3_15_10_M_TID2_NS_01_12000_20000_#1

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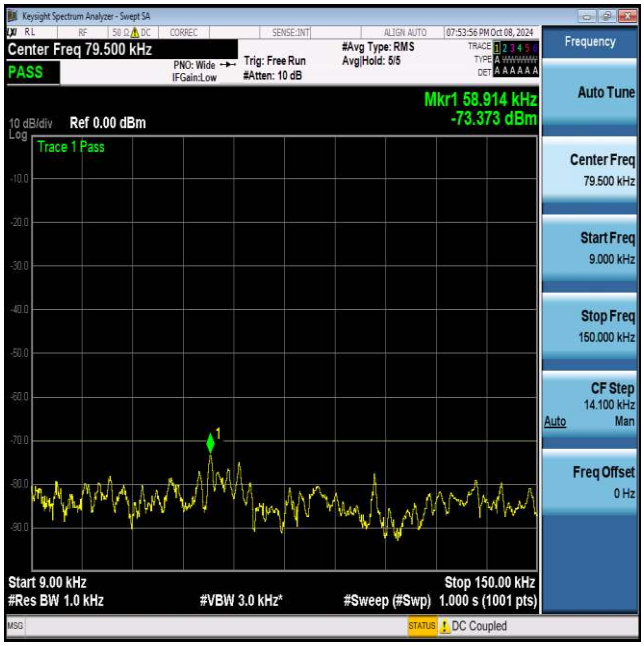

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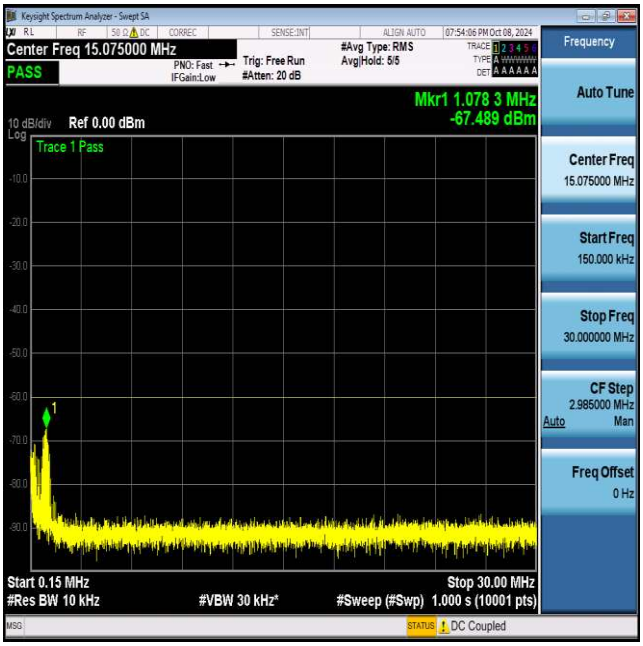

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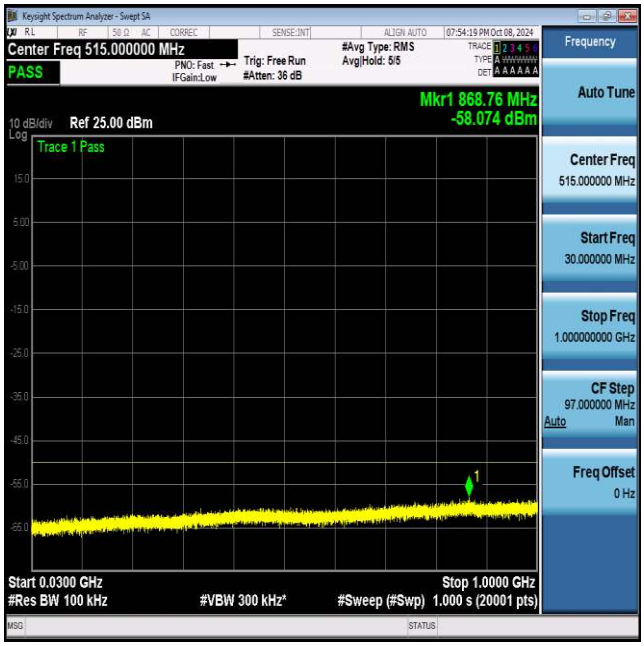

NTNV_N30_PC3_15_10_H_TID2_NS_01_30_1000_#1

NTNV_N30_PC3_15_10_H_TID2_NS_01_1000_3000_#1

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NTNV_N30_PC3_15_10_H_TID2_NS_01_3000_12000_#1

NTNV_N30_PC3_15_10_H_TID2_NS_01_12000_20000_#1

NTNV_N30_PC3_15_10_L_TID2_NS_01_12000_26500_#1

NTNV_N30_PC3_15_10_M_TID2_NS_01_12000_26500_#1

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NTNV_N30_PC3_15_10_H_TID2_NS_01_12000_26500_#1

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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temp	Deviation (Hz)	Deviation (ppm)	Verdict
N30	15	10	DFT-PI2BPSK	M	Outer_Full	VL	NT	-7.900000	-0.003420	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	VN	NT	-6.300000	-0.002727	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	VH	NT	-5.500000	-0.002381	PASS
N30	15	10	CP-QPSK	M	Outer_Full	VL	NT	-8.700000	-0.003766	PASS
N30	15	10	CP-QPSK	M	Outer_Full	VN	NT	-6.700000	-0.002900	PASS
N30	15	10	CP-QPSK	M	Outer_Full	VH	NT	-6.200000	-0.002684	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temp	Deviation (Hz)	Deviation (ppm)	Verdic t
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-30	-7.000000	-0.003030	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-20	-5.600000	-0.002424	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-10	-4.800000	-0.002078	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	0	0.800000	0.000346	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	10	-5.700000	-0.002468	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	20	-1.900000	-0.000823	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	30	-8.900000	-0.003853	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	40	-7.100000	-0.003074	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	50	-6.400000	-0.002771	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	-30	-2.900000	-0.001255	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	-20	-7.600000	-0.003290	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	-10	-7.600000	-0.003290	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	0	-9.800000	-0.004242	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	10	-6.700000	-0.002900	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	20	-10.200000	-0.004416	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	30	-3.600000	-0.001558	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	40	-2.400000	-0.001039	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	50	-4.400000	-0.001905	PASS

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