

**1 Conducted output power for NR FR1**

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Low Limit (dBm)	high Limit (dBm)	Verdict
n7	30	10	501000	12@6	DFT_BPSK	23.47		37	PASS
n7	30	10	501000	1@1	DFT_BPSK	23.41		37	PASS
n7	30	10	501000	1@22	DFT_BPSK	23.41		37	PASS
n7	30	10	501000	12@6	DFT_QPSK	23.34		37	PASS
n7	30	10	501000	1@1	DFT_QPSK	23.27		37	PASS
n7	30	10	501000	1@22	DFT_QPSK	23.37		37	PASS
n7	30	10	501000	12@6	DFT_QAM16	22.30		37	PASS
n7	30	10	501000	1@1	DFT_QAM16	22.32		37	PASS
n7	30	10	501000	1@22	DFT_QAM16	22.46		37	PASS
n7	30	10	501000	12@6	DFT_QAM64	21.00		37	PASS
n7	30	10	501000	1@1	DFT_QAM64	21.12		37	PASS
n7	30	10	501000	1@22	DFT_QAM64	21.03		37	PASS
n7	30	10	501000	12@6	DFT_QAM256	19.01		37	PASS
n7	30	10	501000	1@1	DFT_QAM256	19.19		37	PASS
n7	30	10	501000	1@22	DFT_QAM256	19.05		37	PASS
n7	30	10	501000	12@6	CP_QPSK	21.81		37	PASS
n7	30	10	501000	1@1	CP_QPSK	21.82		37	PASS
n7	30	10	501000	1@22	CP_QPSK	21.91		37	PASS
n7	30	10	501000	12@6	CP_QAM16	21.44		37	PASS
n7	30	10	501000	1@1	CP_QAM16	21.98		37	PASS
n7	30	10	501000	1@22	CP_QAM16	21.49		37	PASS
n7	30	10	501000	12@6	CP_QAM64	19.93		37	PASS
n7	30	10	501000	1@1	CP_QAM64	20.19		37	PASS
n7	30	10	501000	1@22	CP_QAM64	20.12		37	PASS
n7	30	10	501000	12@6	CP_QAM256	17.16		37	PASS
n7	30	10	501000	1@1	CP_QAM256	17.00		37	PASS
n7	30	10	501000	1@22	CP_QAM256	16.92		37	PASS
n7	30	10	507000	12@6	DFT_BPSK	23.43		37	PASS
n7	30	10	507000	1@1	DFT_BPSK	23.41		37	PASS
n7	30	10	507000	1@22	DFT_BPSK	23.34		37	PASS
n7	30	10	507000	12@6	DFT_QPSK	23.50		37	PASS
n7	30	10	507000	1@1	DFT_QPSK	23.07		37	PASS
n7	30	10	507000	1@22	DFT_QPSK	23.18		37	PASS
n7	30	10	507000	12@6	DFT_QAM16	22.52		37	PASS
n7	30	10	507000	1@1	DFT_QAM16	22.43		37	PASS
n7	30	10	507000	1@22	DFT_QAM16	22.52		37	PASS
n7	30	10	507000	12@6	DFT_QAM64	20.99		37	PASS
n7	30	10	507000	1@1	DFT_QAM64	21.08		37	PASS

n7	30	10	507000	1@22	DFT_QAM64	21.12		37	PASS
n7	30	10	507000	12@6	DFT_QAM256	19.01		37	PASS
n7	30	10	507000	1@1	DFT_QAM256	19.12		37	PASS
n7	30	10	507000	1@22	DFT_QAM256	19.16		37	PASS
n7	30	10	507000	12@6	CP_QPSK	21.78		37	PASS
n7	30	10	507000	1@1	CP_QPSK	21.84		37	PASS
n7	30	10	507000	1@22	CP_QPSK	21.88		37	PASS
n7	30	10	507000	12@6	CP_QAM16	21.43		37	PASS
n7	30	10	507000	1@1	CP_QAM16	21.54		37	PASS
n7	30	10	507000	1@22	CP_QAM16	21.49		37	PASS
n7	30	10	507000	12@6	CP_QAM64	20.02		37	PASS
n7	30	10	507000	1@1	CP_QAM64	20.06		37	PASS
n7	30	10	507000	1@22	CP_QAM64	20.07		37	PASS
n7	30	10	507000	12@6	CP_QAM256	17.13		37	PASS
n7	30	10	507000	1@1	CP_QAM256	17.11		37	PASS
n7	30	10	507000	1@22	CP_QAM256	17.12		37	PASS
n7	30	10	513000	12@6	DFT_BPSK	23.45		37	PASS
n7	30	10	513000	1@1	DFT_BPSK	23.40		37	PASS
n7	30	10	513000	1@22	DFT_BPSK	23.46		37	PASS
n7	30	10	513000	12@6	DFT_QPSK	23.47		37	PASS
n7	30	10	513000	1@1	DFT_QPSK	23.32		37	PASS
n7	30	10	513000	1@22	DFT_QPSK	23.29		37	PASS
n7	30	10	513000	12@6	DFT_QAM16	22.48		37	PASS
n7	30	10	513000	1@1	DFT_QAM16	22.46		37	PASS
n7	30	10	513000	1@22	DFT_QAM16	22.32		37	PASS
n7	30	10	513000	12@6	DFT_QAM64	20.96		37	PASS
n7	30	10	513000	1@1	DFT_QAM64	21.09		37	PASS
n7	30	10	513000	1@22	DFT_QAM64	21.07		37	PASS
n7	30	10	513000	12@6	DFT_QAM256	19.13		37	PASS
n7	30	10	513000	1@1	DFT_QAM256	19.20		37	PASS
n7	30	10	513000	1@22	DFT_QAM256	19.11		37	PASS
n7	30	10	513000	12@6	CP_QPSK	21.89		37	PASS
n7	30	10	513000	1@1	CP_QPSK	21.93		37	PASS
n7	30	10	513000	1@22	CP_QPSK	21.97		37	PASS
n7	30	10	513000	12@6	CP_QAM16	21.48		37	PASS
n7	30	10	513000	1@1	CP_QAM16	21.50		37	PASS
n7	30	10	513000	1@22	CP_QAM16	21.48		37	PASS
n7	30	10	513000	12@6	CP_QAM64	19.96		37	PASS
n7	30	10	513000	1@1	CP_QAM64	20.07		37	PASS
n7	30	10	513000	1@22	CP_QAM64	20.00		37	PASS
n7	30	10	513000	12@6	CP_QAM256	17.16		37	PASS
n7	30	10	513000	1@1	CP_QAM256	17.18		37	PASS

n7	30	10	513000	1@22	CP_QAM256	17.22		37	PASS
n7	30	15	501500	18@9	DFT_BPSK	23.40		37	PASS
n7	30	15	501500	1@1	DFT_BPSK	23.30		37	PASS
n7	30	15	501500	1@36	DFT_BPSK	23.39		37	PASS
n7	30	15	501500	18@9	DFT_QPSK	23.45		37	PASS
n7	30	15	501500	1@1	DFT_QPSK	23.36		37	PASS
n7	30	15	501500	1@36	DFT_QPSK	23.27		37	PASS
n7	30	15	501500	18@9	DFT_QAM16	22.53		37	PASS
n7	30	15	501500	1@1	DFT_QAM16	22.33		37	PASS
n7	30	15	501500	1@36	DFT_QAM16	22.42		37	PASS
n7	30	15	501500	18@9	DFT_QAM64	20.85		37	PASS
n7	30	15	501500	1@1	DFT_QAM64	21.07		37	PASS
n7	30	15	501500	1@36	DFT_QAM64	20.95		37	PASS
n7	30	15	501500	18@9	DFT_QAM256	18.92		37	PASS
n7	30	15	501500	1@1	DFT_QAM256	19.03		37	PASS
n7	30	15	501500	1@36	DFT_QAM256	19.13		37	PASS
n7	30	15	501500	19@9	CP_QPSK	21.87		37	PASS
n7	30	15	501500	1@1	CP_QPSK	21.86		37	PASS
n7	30	15	501500	1@36	CP_QPSK	21.97		37	PASS
n7	30	15	501500	19@9	CP_QAM16	21.43		37	PASS
n7	30	15	501500	1@1	CP_QAM16	21.93		37	PASS
n7	30	15	501500	1@36	CP_QAM16	21.77		37	PASS
n7	30	15	501500	19@9	CP_QAM64	20.03		37	PASS
n7	30	15	501500	1@1	CP_QAM64	20.26		37	PASS
n7	30	15	501500	1@36	CP_QAM64	20.07		37	PASS
n7	30	15	501500	19@9	CP_QAM256	17.03		37	PASS
n7	30	15	501500	1@1	CP_QAM256	16.62		37	PASS
n7	30	15	501500	1@36	CP_QAM256	16.91		37	PASS
n7	30	15	507000	18@9	DFT_BPSK	23.36		37	PASS
n7	30	15	507000	1@1	DFT_BPSK	23.36		37	PASS
n7	30	15	507000	1@36	DFT_BPSK	23.32		37	PASS
n7	30	15	507000	18@9	DFT_QPSK	23.54		37	PASS
n7	30	15	507000	1@1	DFT_QPSK	23.24		37	PASS
n7	30	15	507000	1@36	DFT_QPSK	23.14		37	PASS
n7	30	15	507000	18@9	DFT_QAM16	22.58		37	PASS
n7	30	15	507000	1@1	DFT_QAM16	22.52		37	PASS
n7	30	15	507000	1@36	DFT_QAM16	22.57		37	PASS
n7	30	15	507000	18@9	DFT_QAM64	20.89		37	PASS
n7	30	15	507000	1@1	DFT_QAM64	20.91		37	PASS
n7	30	15	507000	1@36	DFT_QAM64	20.90		37	PASS
n7	30	15	507000	18@9	DFT_QAM256	18.98		37	PASS
n7	30	15	507000	1@1	DFT_QAM256	19.12		37	PASS

n7	30	15	507000	1@36	DFT_QAM256	19.13		37	PASS
n7	30	15	507000	19@9	CP_QPSK	21.83		37	PASS
n7	30	15	507000	1@1	CP_QPSK	21.93		37	PASS
n7	30	15	507000	1@36	CP_QPSK	21.89		37	PASS
n7	30	15	507000	19@9	CP_QAM16	21.44		37	PASS
n7	30	15	507000	1@1	CP_QAM16	21.39		37	PASS
n7	30	15	507000	1@36	CP_QAM16	21.42		37	PASS
n7	30	15	507000	19@9	CP_QAM64	19.97		37	PASS
n7	30	15	507000	1@1	CP_QAM64	19.92		37	PASS
n7	30	15	507000	1@36	CP_QAM64	20.15		37	PASS
n7	30	15	507000	19@9	CP_QAM256	16.92		37	PASS
n7	30	15	507000	1@1	CP_QAM256	17.16		37	PASS
n7	30	15	507000	1@36	CP_QAM256	17.15		37	PASS
n7	30	15	512500	18@9	DFT_BPSK	23.41		37	PASS
n7	30	15	512500	1@1	DFT_BPSK	23.20		37	PASS
n7	30	15	512500	1@36	DFT_BPSK	23.28		37	PASS
n7	30	15	512500	18@9	DFT_QPSK	23.44		37	PASS
n7	30	15	512500	1@1	DFT_QPSK	23.21		37	PASS
n7	30	15	512500	1@36	DFT_QPSK	23.33		37	PASS
n7	30	15	512500	18@9	DFT_QAM16	22.53		37	PASS
n7	30	15	512500	1@1	DFT_QAM16	22.57		37	PASS
n7	30	15	512500	1@36	DFT_QAM16	22.76		37	PASS
n7	30	15	512500	18@9	DFT_QAM64	20.91		37	PASS
n7	30	15	512500	1@1	DFT_QAM64	20.90		37	PASS
n7	30	15	512500	1@36	DFT_QAM64	20.98		37	PASS
n7	30	15	512500	18@9	DFT_QAM256	18.90		37	PASS
n7	30	15	512500	1@1	DFT_QAM256	19.07		37	PASS
n7	30	15	512500	1@36	DFT_QAM256	19.24		37	PASS
n7	30	15	512500	19@9	CP_QPSK	21.88		37	PASS
n7	30	15	512500	1@1	CP_QPSK	21.81		37	PASS
n7	30	15	512500	1@36	CP_QPSK	21.87		37	PASS
n7	30	15	512500	19@9	CP_QAM16	21.21		37	PASS
n7	30	15	512500	1@1	CP_QAM16	21.39		37	PASS
n7	30	15	512500	1@36	CP_QAM16	21.55		37	PASS
n7	30	15	512500	19@9	CP_QAM64	19.97		37	PASS
n7	30	15	512500	1@1	CP_QAM64	19.77		37	PASS
n7	30	15	512500	1@36	CP_QAM64	19.84		37	PASS
n7	30	15	512500	19@9	CP_QAM256	17.05		37	PASS
n7	30	15	512500	1@1	CP_QAM256	17.07		37	PASS
n7	30	15	512500	1@36	CP_QAM256	17.28		37	PASS
n7	30	20	502000	25@12	DFT_BPSK	23.46		37	PASS
n7	30	20	502000	1@1	DFT_BPSK	23.29		37	PASS

n7	30	20	502000	1@49	DFT_BPSK	23.22		37	PASS
n7	30	20	502000	25@12	DFT_QPSK	23.40		37	PASS
n7	30	20	502000	1@1	DFT_QPSK	23.18		37	PASS
n7	30	20	502000	1@49	DFT_QPSK	23.12		37	PASS
n7	30	20	502000	25@12	DFT_QAM16	22.47		37	PASS
n7	30	20	502000	1@1	DFT_QAM16	22.55		37	PASS
n7	30	20	502000	1@49	DFT_QAM16	22.54		37	PASS
n7	30	20	502000	25@12	DFT_QAM64	20.90		37	PASS
n7	30	20	502000	1@1	DFT_QAM64	20.98		37	PASS
n7	30	20	502000	1@49	DFT_QAM64	20.87		37	PASS
n7	30	20	502000	25@12	DFT_QAM256	18.75		37	PASS
n7	30	20	502000	1@1	DFT_QAM256	19.01		37	PASS
n7	30	20	502000	1@49	DFT_QAM256	19.13		37	PASS
n7	30	20	502000	25@12	CP_QPSK	21.88		37	PASS
n7	30	20	502000	1@1	CP_QPSK	21.85		37	PASS
n7	30	20	502000	1@49	CP_QPSK	21.80		37	PASS
n7	30	20	502000	25@12	CP_QAM16	21.36		37	PASS
n7	30	20	502000	1@1	CP_QAM16	21.73		37	PASS
n7	30	20	502000	1@49	CP_QAM16	21.58		37	PASS
n7	30	20	502000	25@12	CP_QAM64	19.93		37	PASS
n7	30	20	502000	1@1	CP_QAM64	19.88		37	PASS
n7	30	20	502000	1@49	CP_QAM64	20.07		37	PASS
n7	30	20	502000	25@12	CP_QAM256	17.02		37	PASS
n7	30	20	502000	1@1	CP_QAM256	16.50		37	PASS
n7	30	20	502000	1@49	CP_QAM256	16.49		37	PASS
n7	30	20	507000	25@12	DFT_BPSK	23.39		37	PASS
n7	30	20	507000	1@1	DFT_BPSK	23.30		37	PASS
n7	30	20	507000	1@49	DFT_BPSK	23.26		37	PASS
n7	30	20	507000	25@12	DFT_QPSK	23.51		37	PASS
n7	30	20	507000	1@1	DFT_QPSK	23.05		37	PASS
n7	30	20	507000	1@49	DFT_QPSK	23.04		37	PASS
n7	30	20	507000	25@12	DFT_QAM16	22.14		37	PASS
n7	30	20	507000	1@1	DFT_QAM16	22.47		37	PASS
n7	30	20	507000	1@49	DFT_QAM16	22.44		37	PASS
n7	30	20	507000	25@12	DFT_QAM64	20.91		37	PASS
n7	30	20	507000	1@1	DFT_QAM64	21.28		37	PASS
n7	30	20	507000	1@49	DFT_QAM64	21.01		37	PASS
n7	30	20	507000	25@12	DFT_QAM256	18.79		37	PASS
n7	30	20	507000	1@1	DFT_QAM256	18.98		37	PASS
n7	30	20	507000	1@49	DFT_QAM256	18.97		37	PASS
n7	30	20	507000	25@12	CP_QPSK	21.83		37	PASS
n7	30	20	507000	1@1	CP_QPSK	21.74		37	PASS

n7	30	20	507000	1@49	CP_QPSK	21.87		37	PASS
n7	30	20	507000	25@12	CP_QAM16	21.38		37	PASS
n7	30	20	507000	1@1	CP_QAM16	21.30		37	PASS
n7	30	20	507000	1@49	CP_QAM16	21.32		37	PASS
n7	30	20	507000	25@12	CP_QAM64	19.84		37	PASS
n7	30	20	507000	1@1	CP_QAM64	20.12		37	PASS
n7	30	20	507000	1@49	CP_QAM64	20.21		37	PASS
n7	30	20	507000	25@12	CP_QAM256	16.98		37	PASS
n7	30	20	507000	1@1	CP_QAM256	16.50		37	PASS
n7	30	20	507000	1@49	CP_QAM256	16.49		37	PASS
n7	30	20	512000	25@12	DFT_BPSK	23.37		37	PASS
n7	30	20	512000	1@1	DFT_BPSK	23.09		37	PASS
n7	30	20	512000	1@49	DFT_BPSK	23.18		37	PASS
n7	30	20	512000	25@12	DFT_QPSK	23.34		37	PASS
n7	30	20	512000	1@1	DFT_QPSK	22.95		37	PASS
n7	30	20	512000	1@49	DFT_QPSK	23.11		37	PASS
n7	30	20	512000	25@12	DFT_QAM16	22.36		37	PASS
n7	30	20	512000	1@1	DFT_QAM16	22.45		37	PASS
n7	30	20	512000	1@49	DFT_QAM16	22.14		37	PASS
n7	30	20	512000	25@12	DFT_QAM64	20.96		37	PASS
n7	30	20	512000	1@1	DFT_QAM64	21.14		37	PASS
n7	30	20	512000	1@49	DFT_QAM64	21.02		37	PASS
n7	30	20	512000	25@12	DFT_QAM256	18.86		37	PASS
n7	30	20	512000	1@1	DFT_QAM256	18.87		37	PASS
n7	30	20	512000	1@49	DFT_QAM256	19.09		37	PASS
n7	30	20	512000	25@12	CP_QPSK	21.87		37	PASS
n7	30	20	512000	1@1	CP_QPSK	21.74		37	PASS
n7	30	20	512000	1@49	CP_QPSK	21.96		37	PASS
n7	30	20	512000	25@12	CP_QAM16	21.38		37	PASS
n7	30	20	512000	1@1	CP_QAM16	21.21		37	PASS
n7	30	20	512000	1@49	CP_QAM16	21.77		37	PASS
n7	30	20	512000	25@12	CP_QAM64	19.59		37	PASS
n7	30	20	512000	1@1	CP_QAM64	19.97		37	PASS
n7	30	20	512000	1@49	CP_QAM64	20.28		37	PASS
n7	30	20	512000	25@12	CP_QAM256	17.10		37	PASS
n7	30	20	512000	1@1	CP_QAM256	16.82		37	PASS
n7	30	20	512000	1@49	CP_QAM256	16.65		37	PASS

**2 Frequency stability for NR FR1**

NT:

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Voltage (Vdc)	Result (Hz)	Result (ppm)	Limit (ppm)	Verdict
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n7	30	20	507000	25@12	DFT_BPSK	3.85	-3.24	0.00	Within authorized band for 5G NR n7	PASS
n7	30	20	507000	25@12	DFT_BPSK	3.50	-8.45	0.00		PASS
n7	30	20	507000	25@12	DFT_BPSK	4.40	-7.07	0.00		PASS
n7	30	20	507000	25@12	DFT_QPSK	3.85	-13.39	-0.01		PASS
n7	30	20	507000	25@12	DFT_QPSK	3.50	-9.73	0.00		PASS
n7	30	20	507000	25@12	DFT_QPSK	4.40	-6.01	0.00		PASS

Note: Only the worst case shown in the report.

**NV:**

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Temperature(°C)	Result (Hz)	Result (ppm)	Limit (ppm)	Verdict
n7	30	20	507000	25@12	DFT_BPSK	-30	-11.91	0.00	Within authorized band for 5G NR n7	PASS
n7	30	20	507000	25@12	DFT_BPSK	-20	-13.02	-0.01		PASS
n7	30	20	507000	25@12	DFT_BPSK	-10	-15.31	-0.01		PASS
n7	30	20	507000	25@12	DFT_BPSK	0	-12.92	-0.01		PASS
n7	30	20	507000	25@12	DFT_BPSK	10	-10.92	0.00		PASS
n7	30	20	507000	25@12	DFT_BPSK	20	-12.74	-0.01		PASS
n7	30	20	507000	25@12	DFT_BPSK	30	-3.19	0.00		PASS
n7	30	20	507000	25@12	DFT_BPSK	40	-10.70	0.00		PASS
n7	30	20	507000	25@12	DFT_BPSK	50	-8.37	0.00		PASS
n7	30	20	507000	25@12	DFT_QPSK	-30	-17.56	-0.01		PASS
n7	30	20	507000	25@12	DFT_QPSK	-20	-7.77	0.00		PASS
n7	30	20	507000	25@12	DFT_QPSK	-10	-10.32	0.00		PASS
n7	30	20	507000	25@12	DFT_QPSK	0	-11.85	0.00		PASS
n7	30	20	507000	25@12	DFT_QPSK	10	-13.12	-0.01		PASS
n7	30	20	507000	25@12	DFT_QPSK	20	-15.28	-0.01		PASS
n7	30	20	507000	25@12	DFT_QPSK	30	-12.97	-0.01		PASS
n7	30	20	507000	25@12	DFT_QPSK	40	-10.02	0.00		PASS
n7	30	20	507000	25@12	DFT_QPSK	50	-12.11	-0.01		PASS

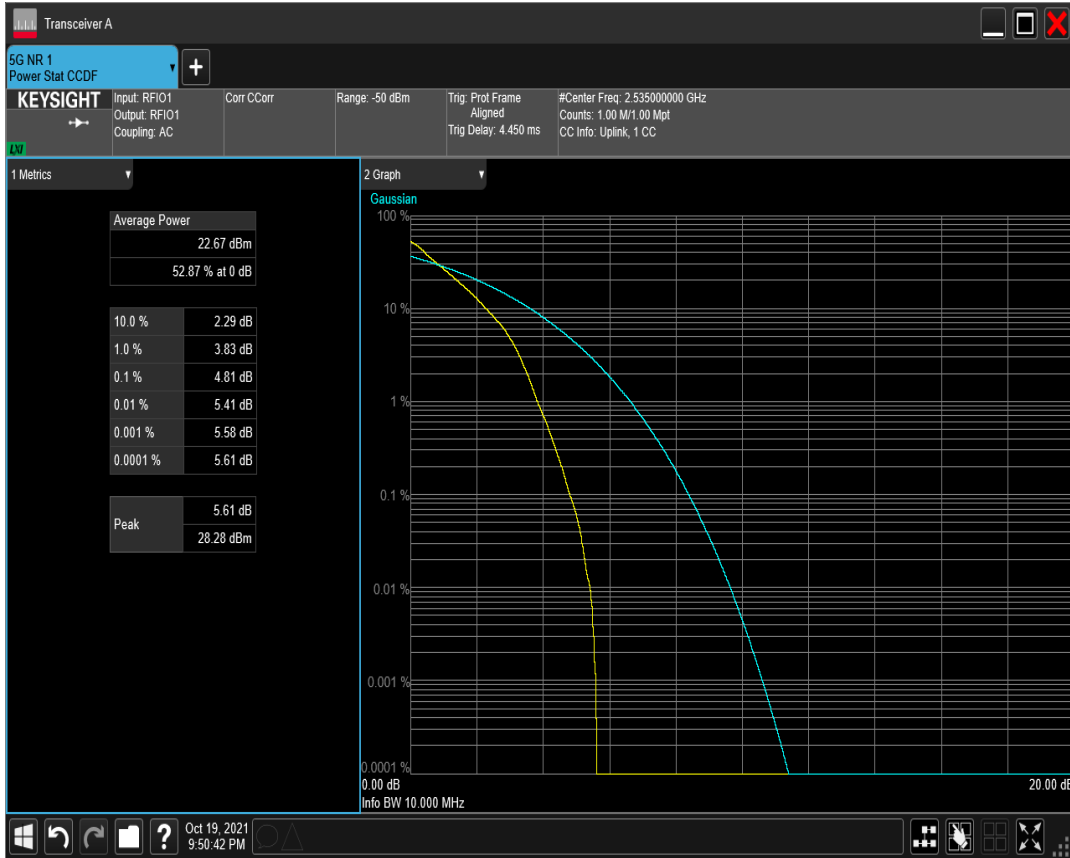
Note: Only the worst case shown in the report.

**3 Peak-to-Average Ratio for NR FR1**

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n7	30	10	507000	24@0	DFT_BPSK	4.81	13	PASS
n7	30	10	507000	24@0	DFT_QPSK	5.78	13	PASS
n7	30	10	507000	24@0	DFT_QAM16	6.56	13	PASS
n7	30	10	507000	24@0	DFT_QAM64	7.07	13	PASS
n7	30	10	507000	24@0	DFT_QAM256	7.01	13	PASS
n7	30	15	507000	36@0	DFT_BPSK	4.76	13	PASS
n7	30	15	507000	36@0	DFT_QPSK	6.02	13	PASS
n7	30	15	507000	36@0	DFT_QAM16	6.70	13	PASS
n7	30	15	507000	36@0	DFT_QAM64	7.02	13	PASS
n7	30	15	507000	36@0	DFT_QAM256	6.95	13	PASS
n7	30	20	507000	50@0	DFT_BPSK	4.79	13	PASS

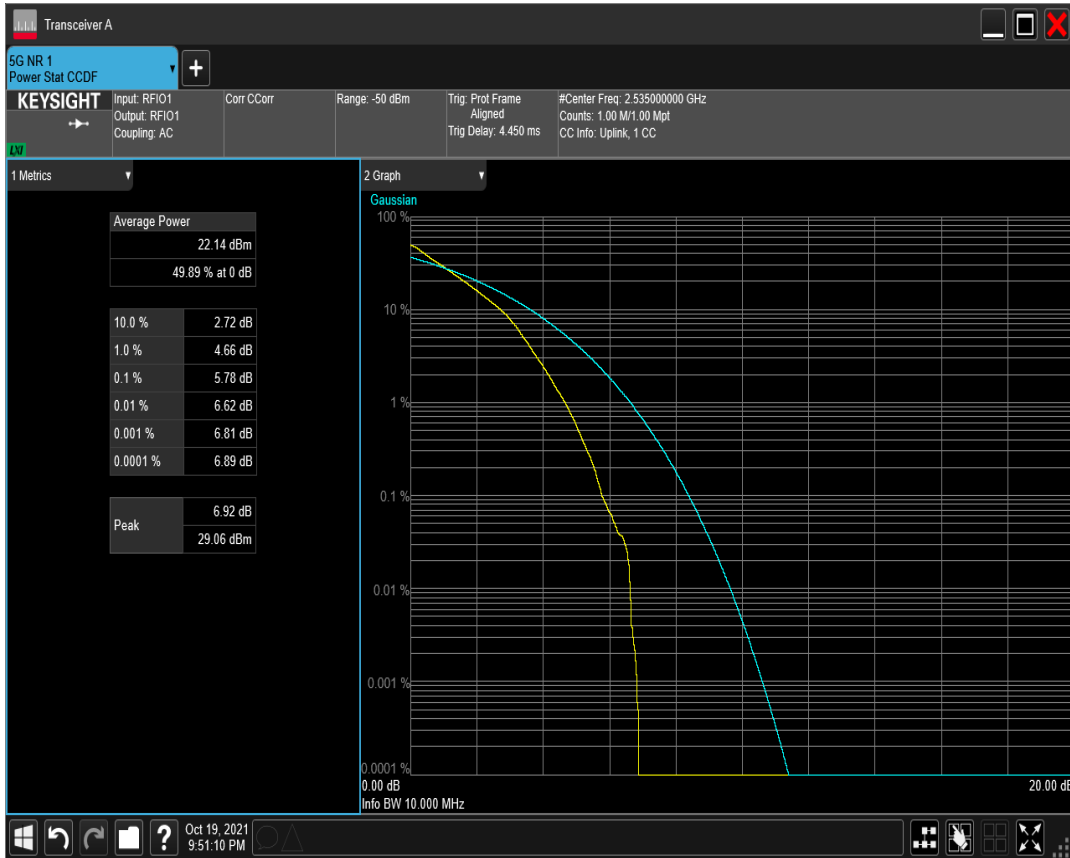
n7	30	20	507000	50@0	DFT_QPSK	5.97	13	PASS
n7	30	20	507000	50@0	DFT_QAM16	6.60	13	PASS
n7	30	20	507000	50@0	DFT_QAM64	6.76	13	PASS
n7	30	20	507000	50@0	DFT_QAM256	7.04	13	PASS

n7 SCS=30kHz DFT\_BPSK BW=10MHz Channel=507000 RB=24@0

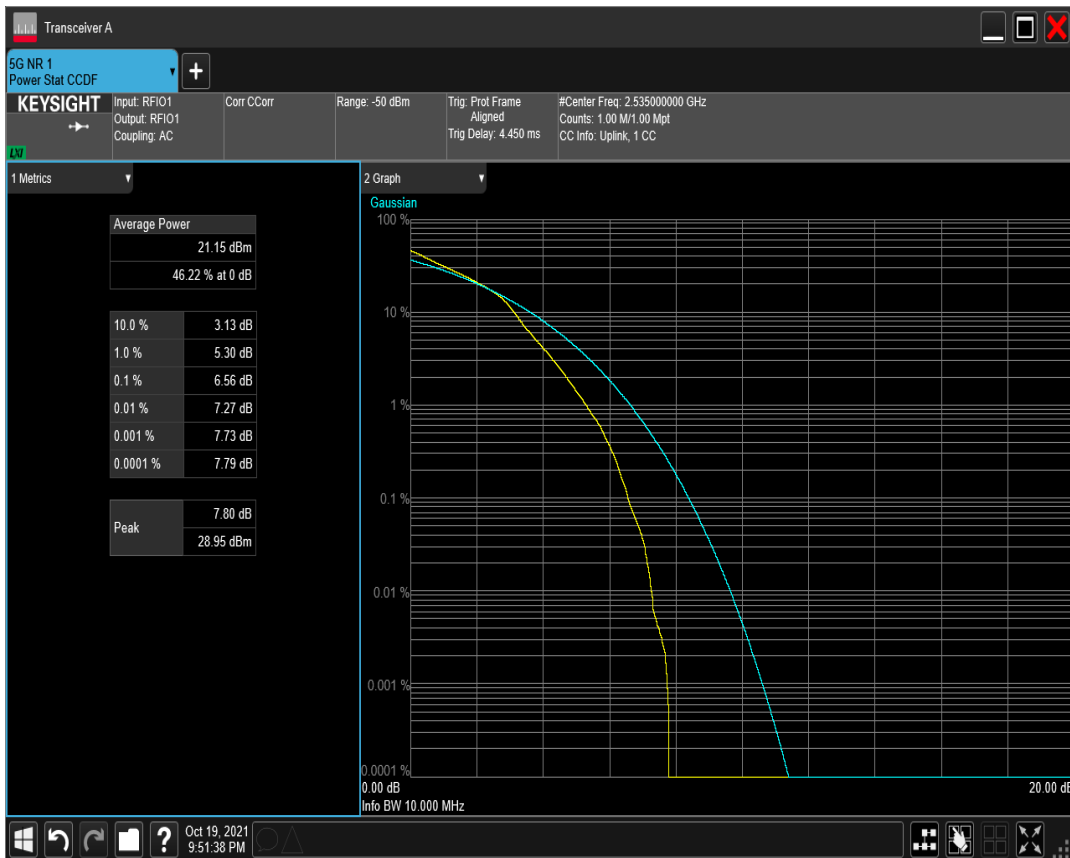


n7 SCS=30kHz DFT\_QPSK BW=10MHz Channel=507000 RB=24@0

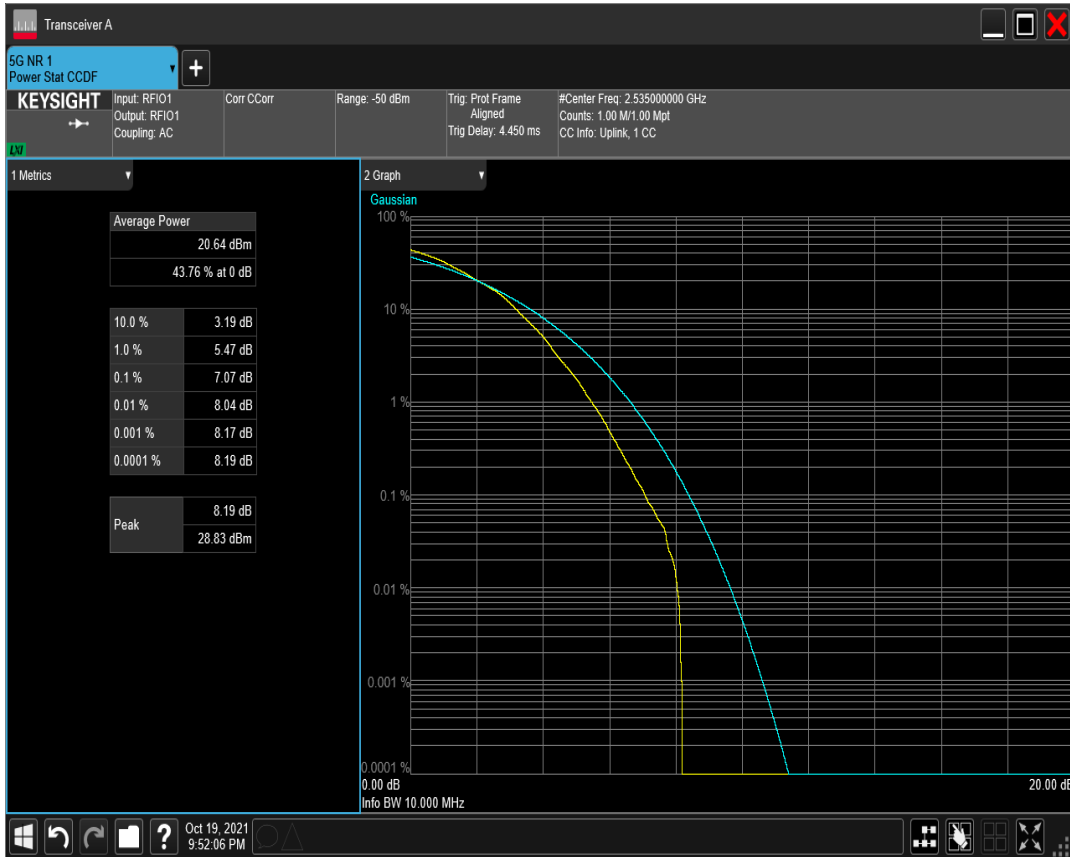




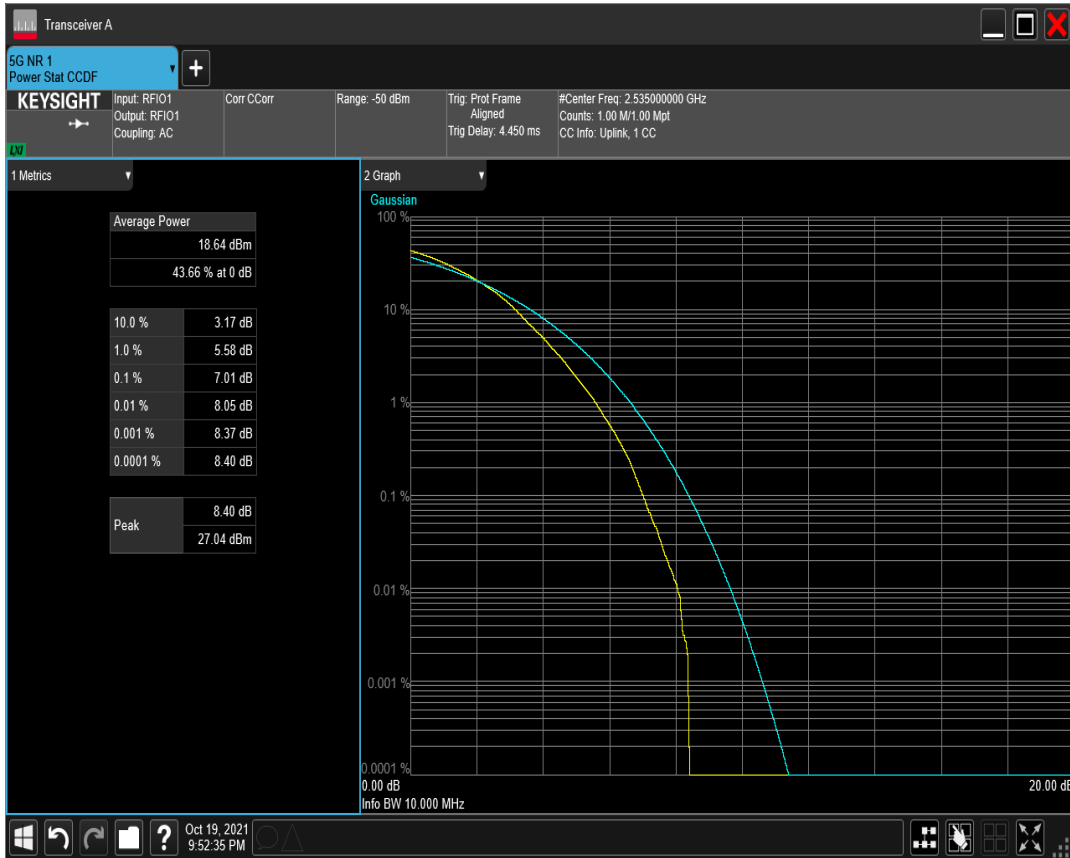
n7 SCS=30kHz DFT\_QAM16 BW=10MHz Channel=507000 RB=24@0



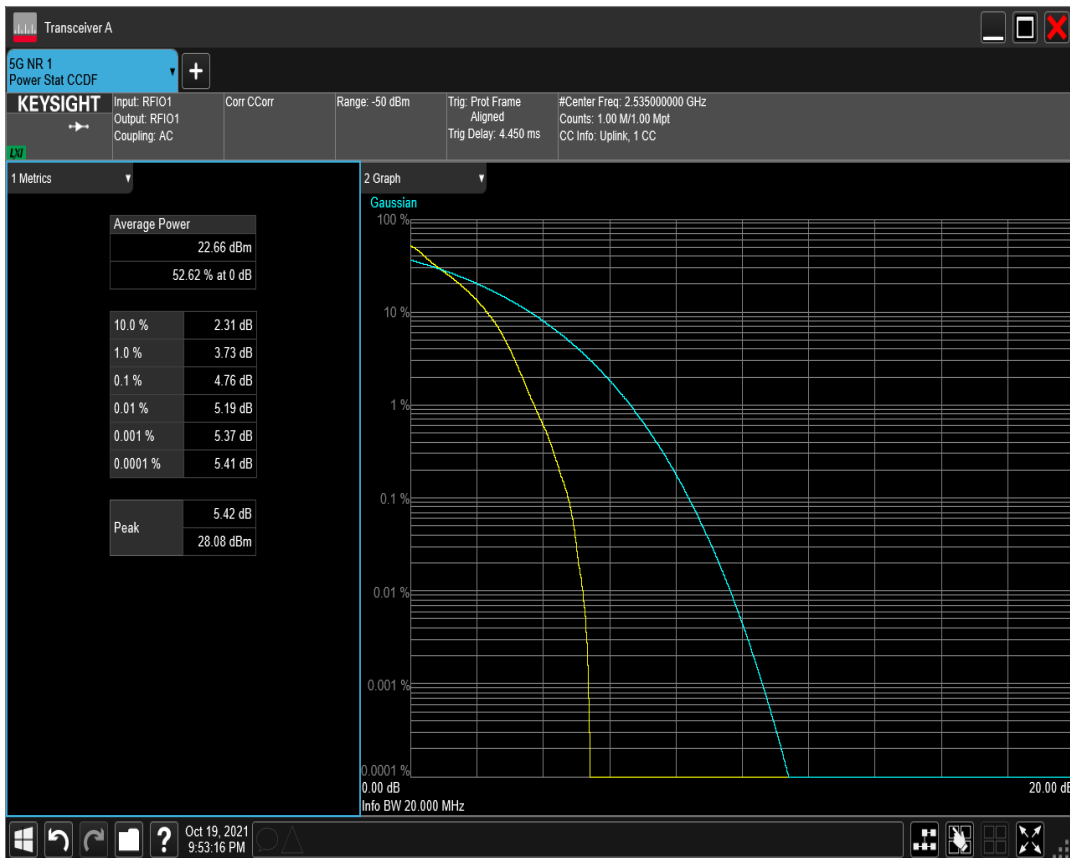
n7 SCS=30kHz DFT\_QAM64 BW=10MHz Channel=507000 RB=24@0



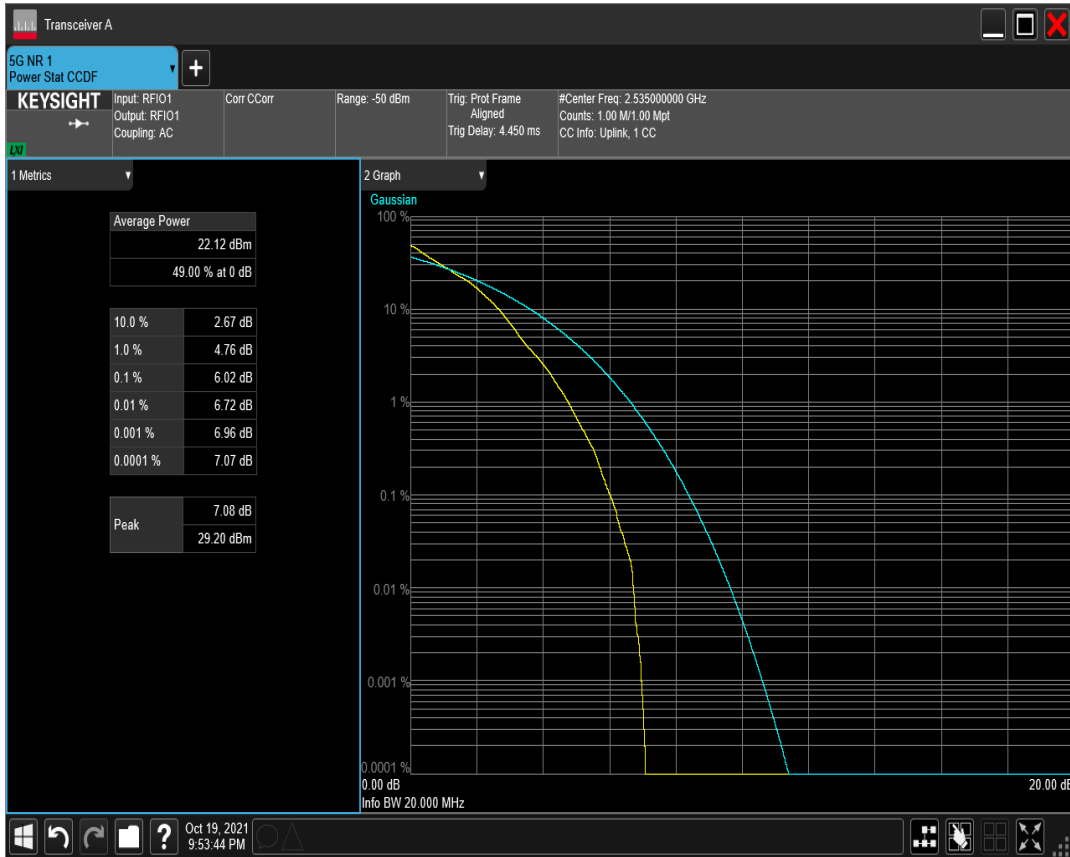
n7 SCS=30kHz DFT\_QAM256 BW=10MHz Channel=507000 RB=24@0



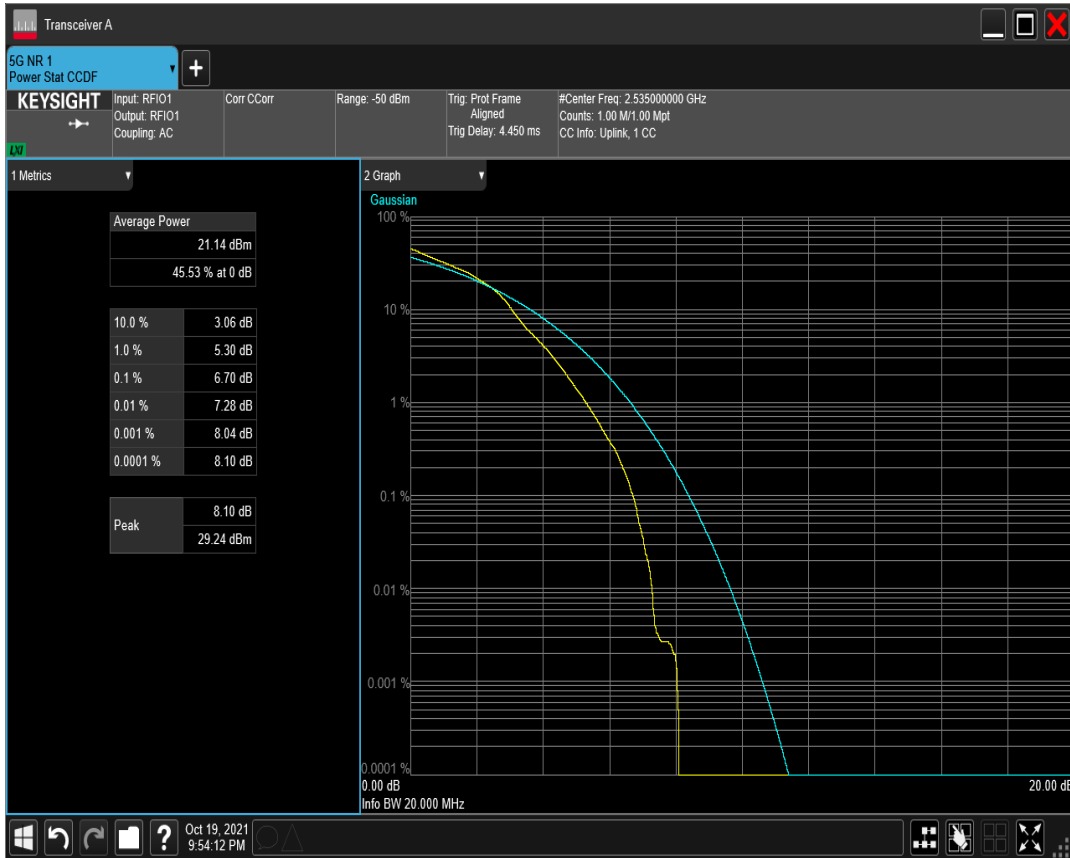
n7 SCS=30kHz DFT\_BPSK BW=15MHz Channel=507000 RB=36@0



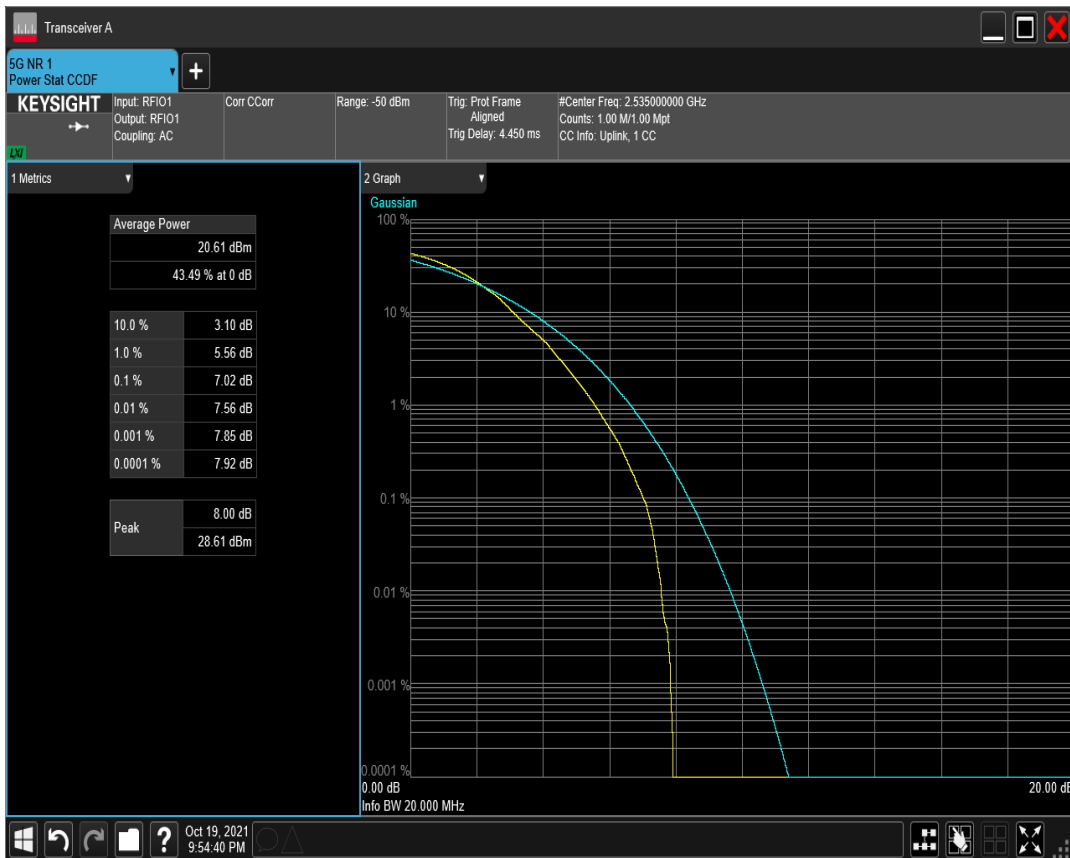
n7 SCS=30kHz DFT\_QPSK BW=15MHz Channel=507000 RB=36@0



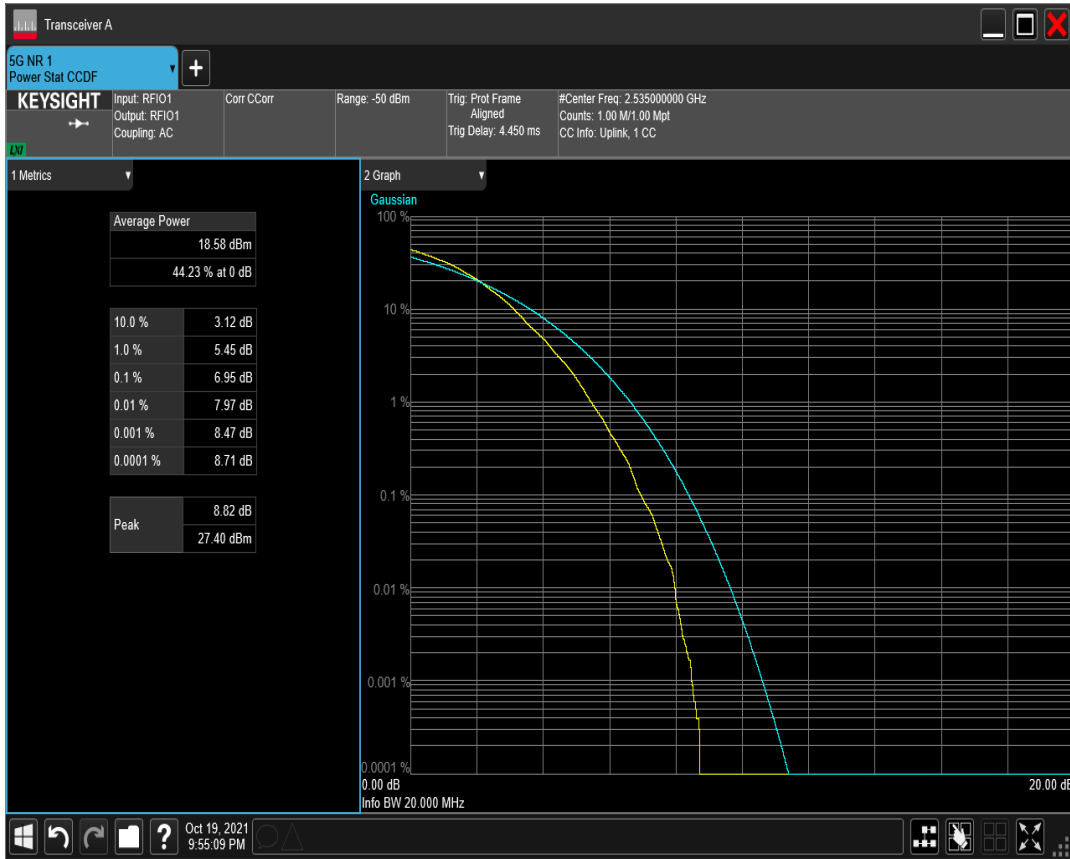
n7 SCS=30kHz DFT\_QAM16 BW=15MHz Channel=507000 RB=36@0



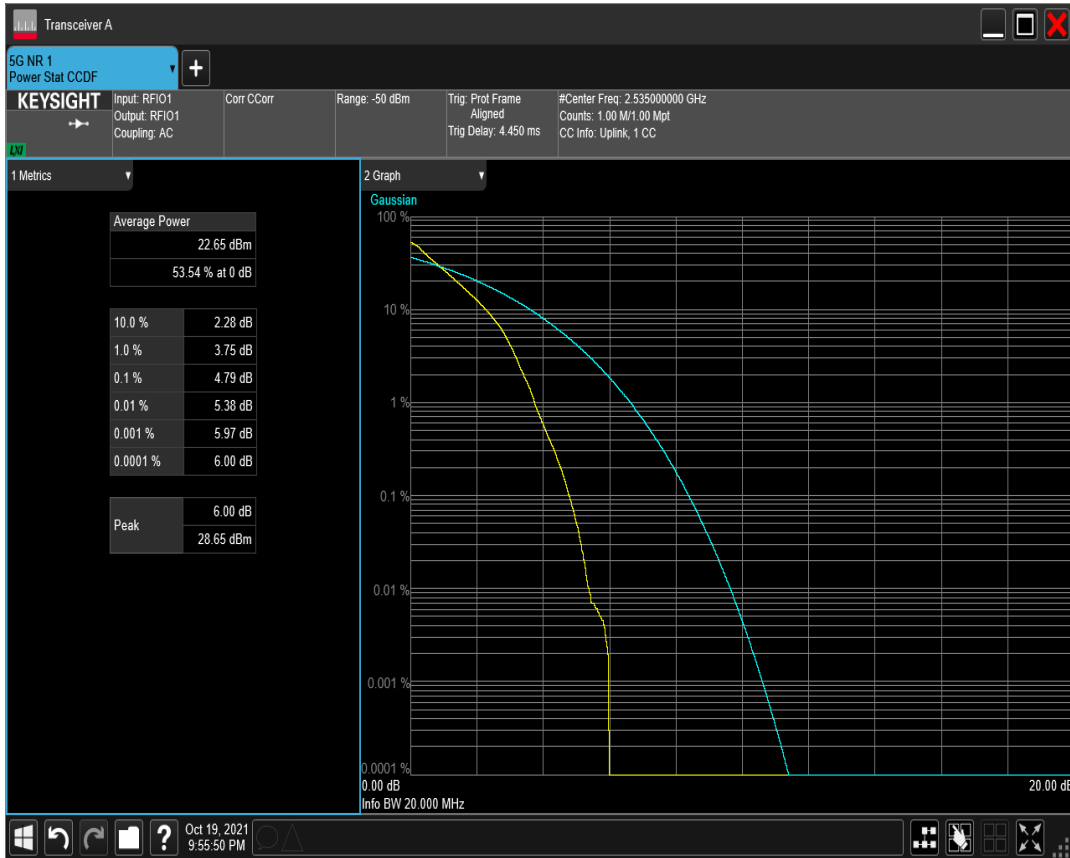
n7 SCS=30kHz DFT\_QAM64 BW=15MHz Channel=507000 RB=36@0



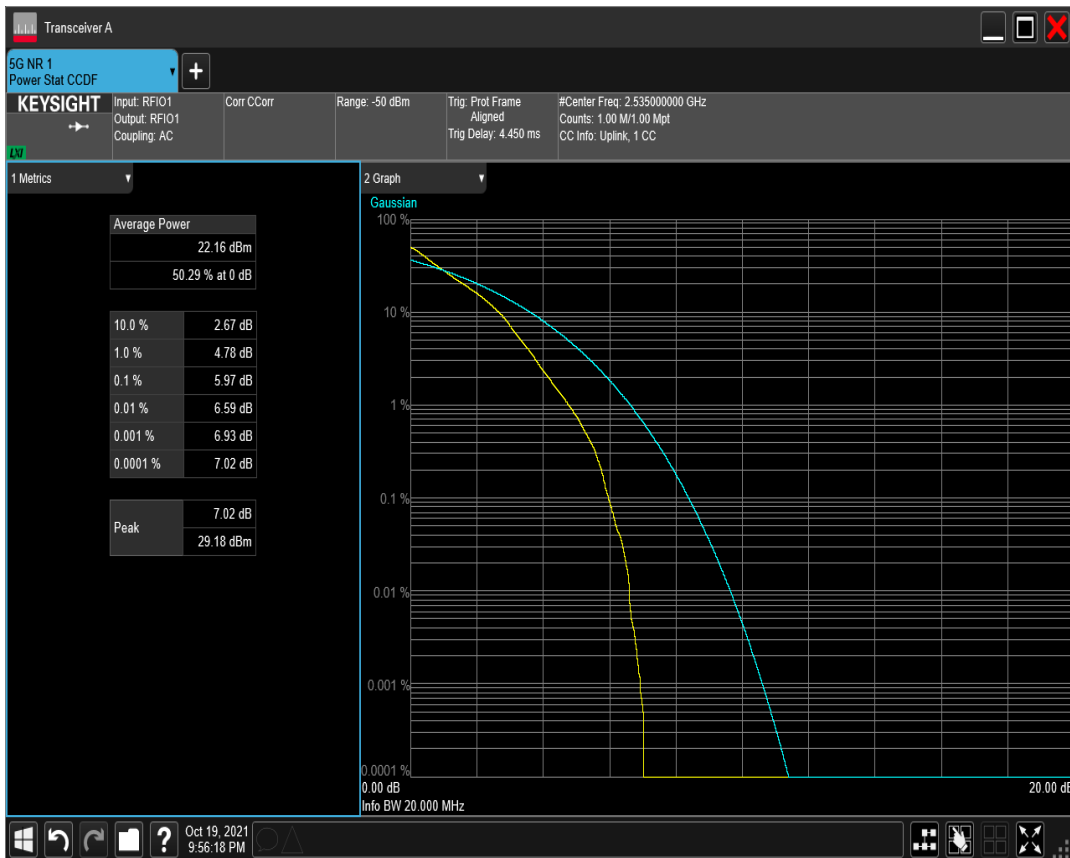
n7 SCS=30kHz DFT\_QAM256 BW=15MHz Channel=507000 RB=36@0



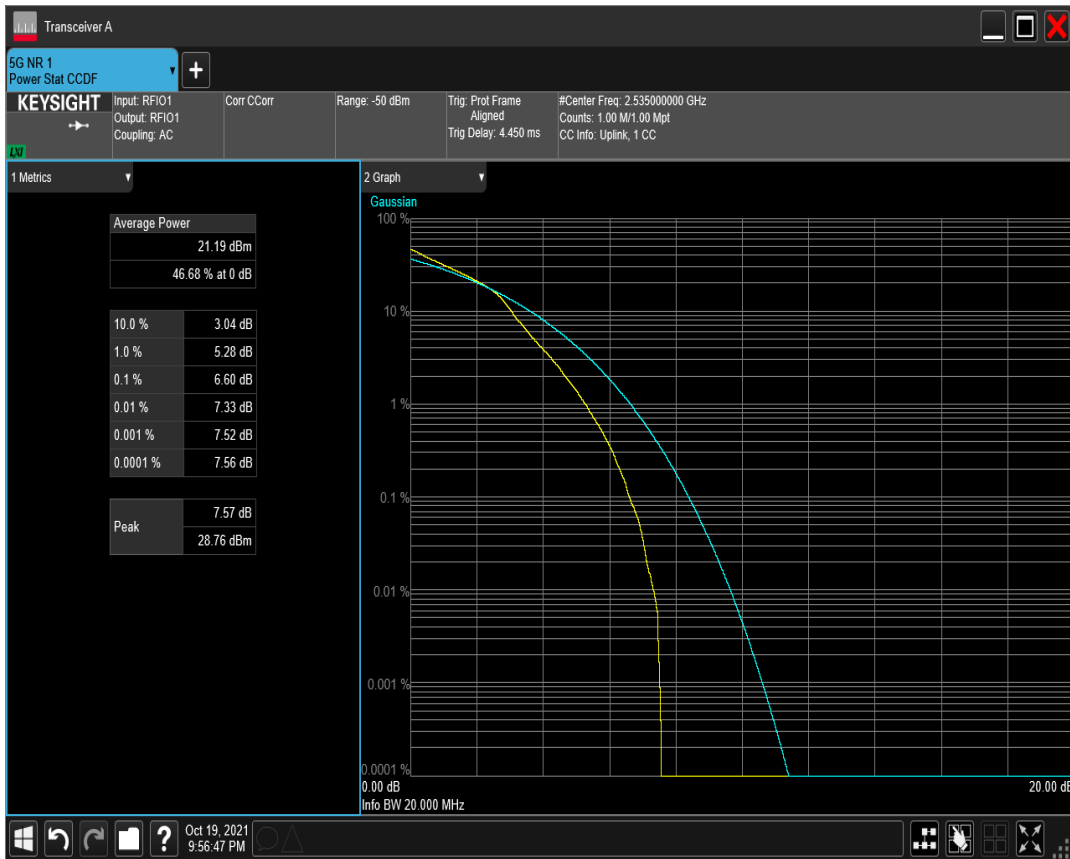
n7 SCS=30kHz DFT\_BPSK BW=20MHz Channel=507000 RB=50@0



n7 SCS=30kHz DFT\_QPSK BW=20MHz Channel=507000 RB=50@0

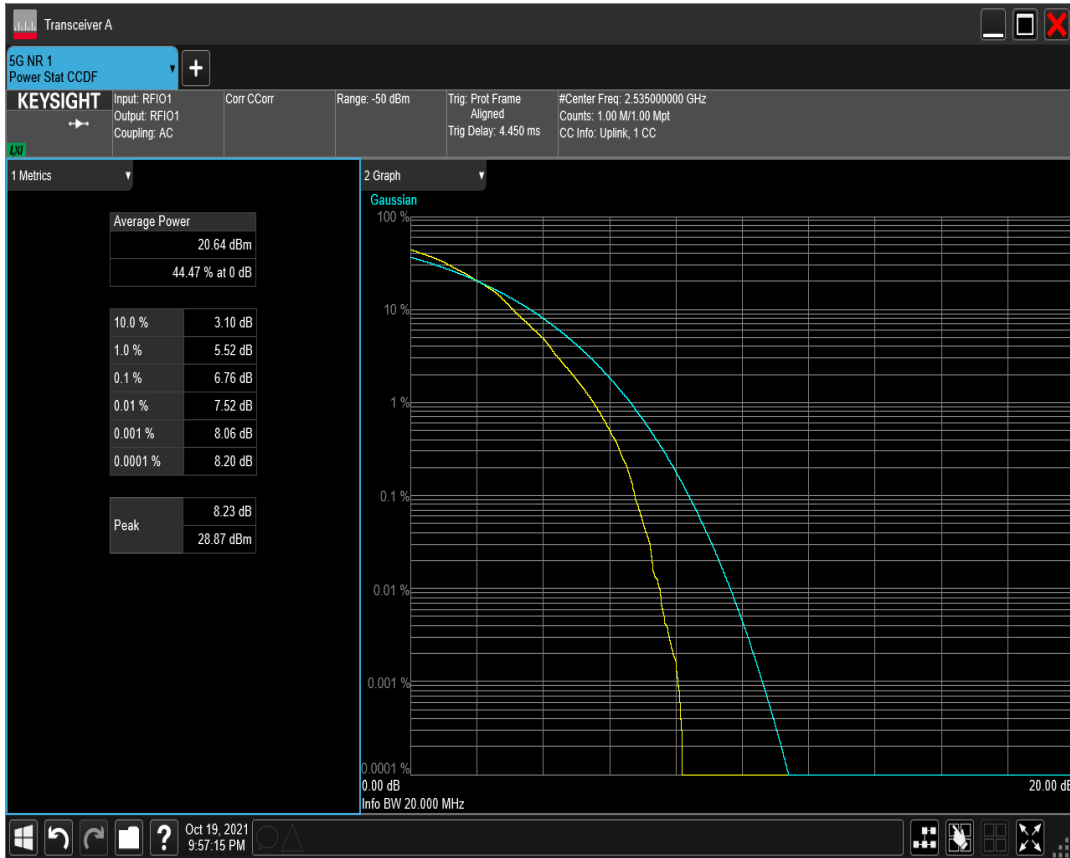


n7 SCS=30kHz DFT\_QAM16 BW=20MHz Channel=507000 RB=50 @0

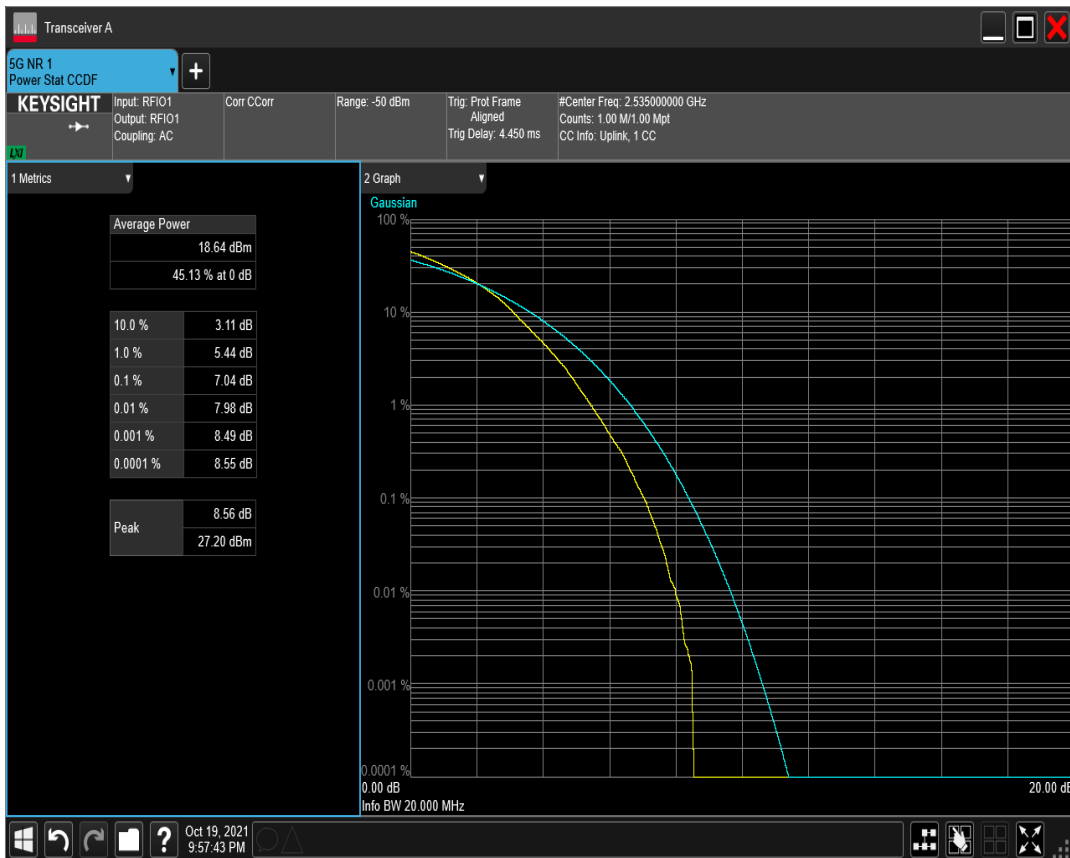


n7 SCS=30kHz DFT\_QAM64 BW=20MHz Channel=507000 RB=50 @0





n7 SCS=30kHz DFT\_QAM256 BW=20MHz Channel=507000 RB=50@0



4 Occupied bandwidth for NR FR1

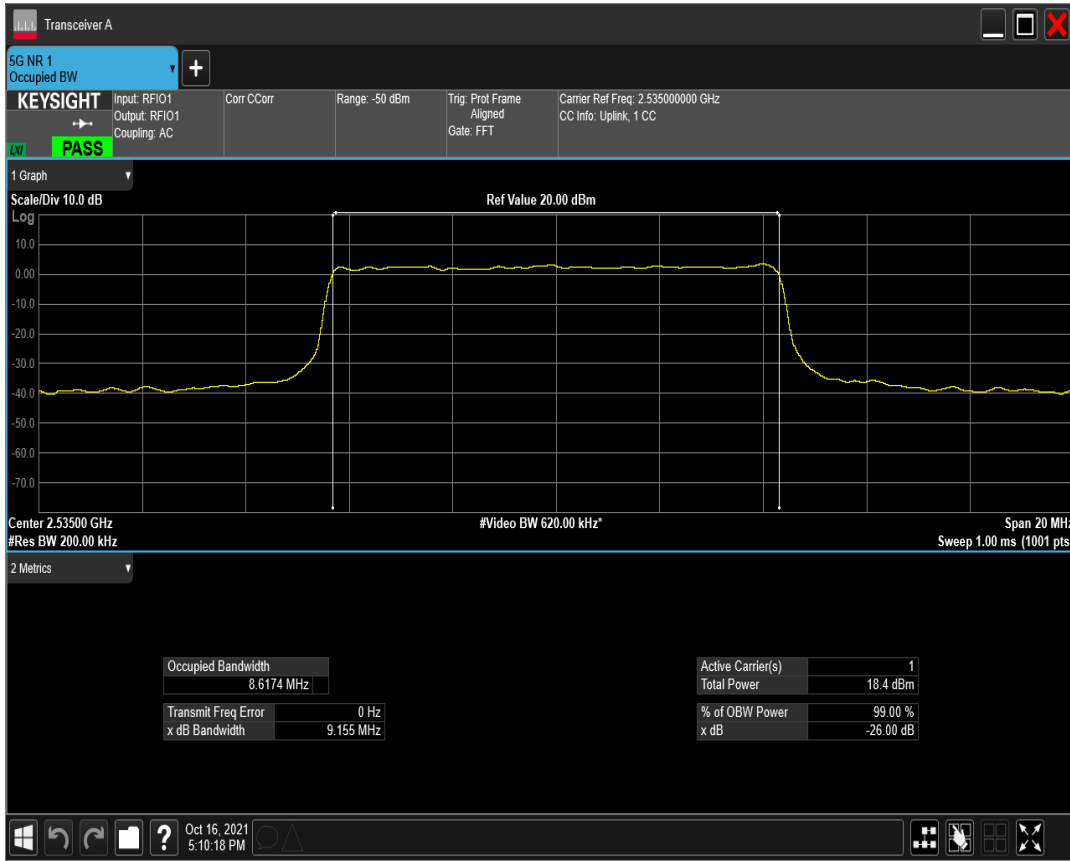
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n7	30	10	501000	24@0	DFT_BPSK	8.610	9.160	PASS
n7	30	10	501000	24@0	DFT_QPSK	8.610	9.180	PASS
n7	30	10	501000	24@0	DFT_QAM16	8.610	9.210	PASS
n7	30	10	501000	24@0	DFT_QAM64	8.620	9.220	PASS
n7	30	10	501000	24@0	DFT_QAM256	8.620	9.140	PASS
n7	30	10	501000	24@0	CP_QPSK	8.610	9.190	PASS
n7	30	10	501000	24@0	CP_QAM16	8.610	9.190	PASS
n7	30	10	501000	24@0	CP_QAM64	8.610	9.200	PASS
n7	30	10	501000	24@0	CP_QAM256	8.620	9.180	PASS
n7	30	10	507000	24@0	DFT_BPSK	8.610	9.220	PASS
n7	30	10	507000	24@0	DFT_QPSK	8.620	9.160	PASS
n7	30	10	507000	24@0	DFT_QAM16	8.610	9.200	PASS
n7	30	10	507000	24@0	DFT_QAM64	8.620	9.190	PASS
n7	30	10	507000	24@0	DFT_QAM256	8.640	9.170	PASS
n7	30	10	507000	24@0	CP_QPSK	8.610	9.200	PASS
n7	30	10	507000	24@0	CP_QAM16	8.620	9.180	PASS
n7	30	10	507000	24@0	CP_QAM64	8.640	9.210	PASS
n7	30	10	507000	24@0	CP_QAM256	8.610	9.140	PASS
n7	30	10	513000	24@0	DFT_BPSK	8.620	9.200	PASS
n7	30	10	513000	24@0	DFT_QPSK	8.620	9.170	PASS
n7	30	10	513000	24@0	DFT_QAM16	8.610	9.190	PASS
n7	30	10	513000	24@0	DFT_QAM64	8.640	9.200	PASS
n7	30	10	513000	24@0	DFT_QAM256	8.640	9.240	PASS
n7	30	10	513000	24@0	CP_QPSK	8.620	9.200	PASS
n7	30	10	513000	24@0	CP_QAM16	8.620	9.190	PASS
n7	30	10	513000	24@0	CP_QAM64	8.640	9.220	PASS
n7	30	10	513000	24@0	CP_QAM256	8.640	9.190	PASS
n7	30	15	501500	36@0	DFT_BPSK	13.460	13.700	PASS
n7	30	15	501500	36@0	DFT_QPSK	13.460	13.710	PASS
n7	30	15	501500	36@0	DFT_QAM16	13.400	13.720	PASS
n7	30	15	501500	36@0	DFT_QAM64	13.400	13.680	PASS
n7	30	15	501500	36@0	DFT_QAM256	13.450	13.670	PASS
n7	30	15	501500	38@0	CP_QPSK	13.590	14.420	PASS
n7	30	15	501500	38@0	CP_QAM16	13.630	14.430	PASS
n7	30	15	501500	38@0	CP_QAM64	13.620	14.410	PASS
n7	30	15	501500	38@0	CP_QAM256	13.620	14.390	PASS
n7	30	15	507000	36@0	DFT_BPSK	13.460	13.690	PASS
n7	30	15	507000	36@0	DFT_QPSK	13.470	13.730	PASS
n7	30	15	507000	36@0	DFT_QAM16	13.460	13.750	PASS

n7	30	15	507000	36@0	DFT_QAM64	13.460	13.720	PASS
n7	30	15	507000	36@0	DFT_QAM256	13.450	13.680	PASS
n7	30	15	507000	38@0	CP_QPSK	13.630	14.410	PASS
n7	30	15	507000	38@0	CP_QAM16	13.630	14.410	PASS
n7	30	15	507000	38@0	CP_QAM64	13.630	14.420	PASS
n7	30	15	507000	38@0	CP_QAM256	13.640	14.430	PASS
n7	30	15	512500	36@0	DFT_BPSK	13.510	13.720	PASS
n7	30	15	512500	36@0	DFT_QPSK	13.500	13.740	PASS
n7	30	15	512500	36@0	DFT_QAM16	13.520	13.750	PASS
n7	30	15	512500	36@0	DFT_QAM64	13.500	13.750	PASS
n7	30	15	512500	36@0	DFT_QAM256	13.470	13.680	PASS
n7	30	15	512500	38@0	CP_QPSK	13.650	14.450	PASS
n7	30	15	512500	38@0	CP_QAM16	13.640	14.410	PASS
n7	30	15	512500	38@0	CP_QAM64	13.650	14.460	PASS
n7	30	15	512500	38@0	CP_QAM256	13.640	14.440	PASS
n7	30	20	502000	50@0	DFT_BPSK	18.090	18.910	PASS
n7	30	20	502000	50@0	DFT_QPSK	18.020	18.880	PASS
n7	30	20	502000	50@0	DFT_QAM16	18.020	18.890	PASS
n7	30	20	502000	50@0	DFT_QAM64	18.020	18.900	PASS
n7	30	20	502000	50@0	DFT_QAM256	18.010	18.890	PASS
n7	30	20	502000	51@0	CP_QPSK	18.250	19.300	PASS
n7	30	20	502000	51@0	CP_QAM16	18.260	19.250	PASS
n7	30	20	502000	51@0	CP_QAM64	18.240	19.260	PASS
n7	30	20	502000	51@0	CP_QAM256	18.250	19.290	PASS
n7	30	20	507000	50@0	DFT_BPSK	18.030	18.910	PASS
n7	30	20	507000	50@0	DFT_QPSK	18.010	18.890	PASS
n7	30	20	507000	50@0	DFT_QAM16	18.030	18.900	PASS
n7	30	20	507000	50@0	DFT_QAM64	18.030	18.910	PASS
n7	30	20	507000	50@0	DFT_QAM256	18.020	18.900	PASS
n7	30	20	507000	51@0	CP_QPSK	18.270	19.300	PASS
n7	30	20	507000	51@0	CP_QAM16	18.270	19.310	PASS
n7	30	20	507000	51@0	CP_QAM64	18.270	19.290	PASS
n7	30	20	507000	51@0	CP_QAM256	18.270	19.290	PASS
n7	30	20	512000	50@0	DFT_BPSK	18.180	18.950	PASS
n7	30	20	512000	50@0	DFT_QPSK	18.120	18.920	PASS
n7	30	20	512000	50@0	DFT_QAM16	18.120	18.940	PASS
n7	30	20	512000	50@0	DFT_QAM64	18.170	18.950	PASS
n7	30	20	512000	50@0	DFT_QAM256	18.170	18.960	PASS
n7	30	20	512000	51@0	CP_QPSK	18.340	19.350	PASS
n7	30	20	512000	51@0	CP_QAM16	18.340	19.290	PASS
n7	30	20	512000	51@0	CP_QAM64	18.350	19.340	PASS
n7	30	20	512000	51@0	CP_QAM256	18.340	19.320	PASS

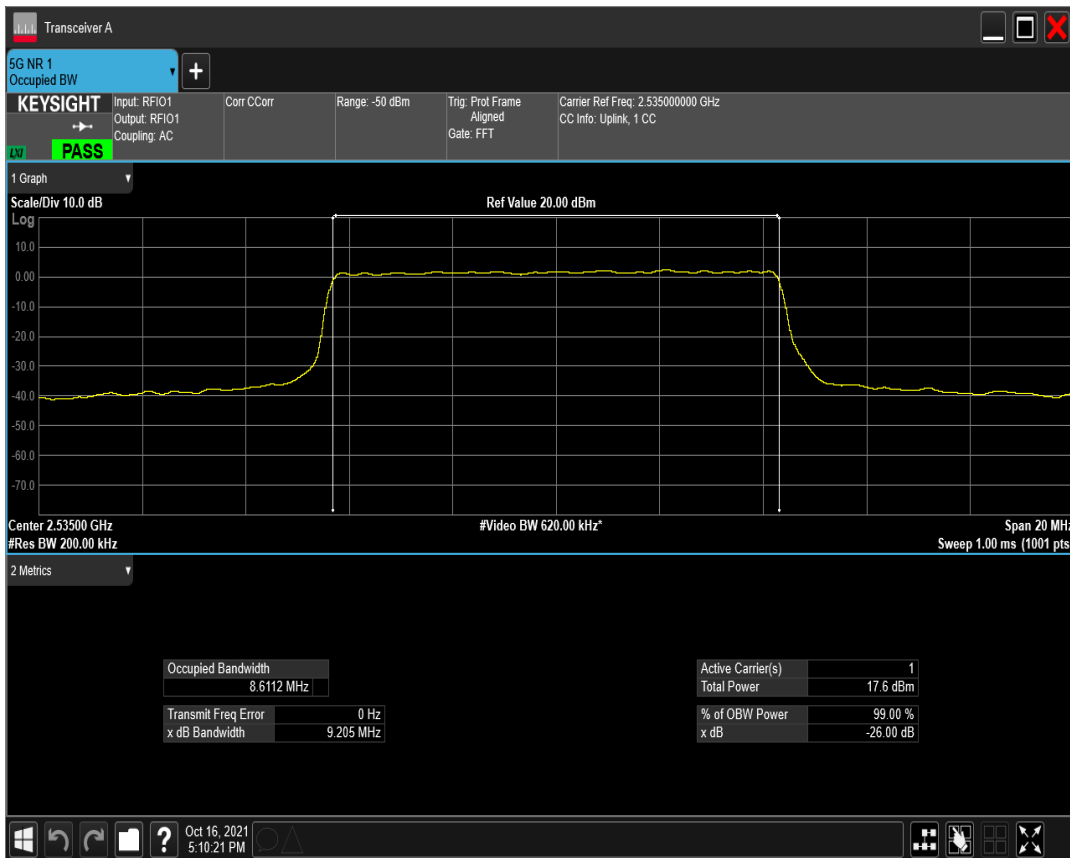
n7 SCS=30kHz DFT\_BPSK BW=10MHz Channel=507000 RB=24@0



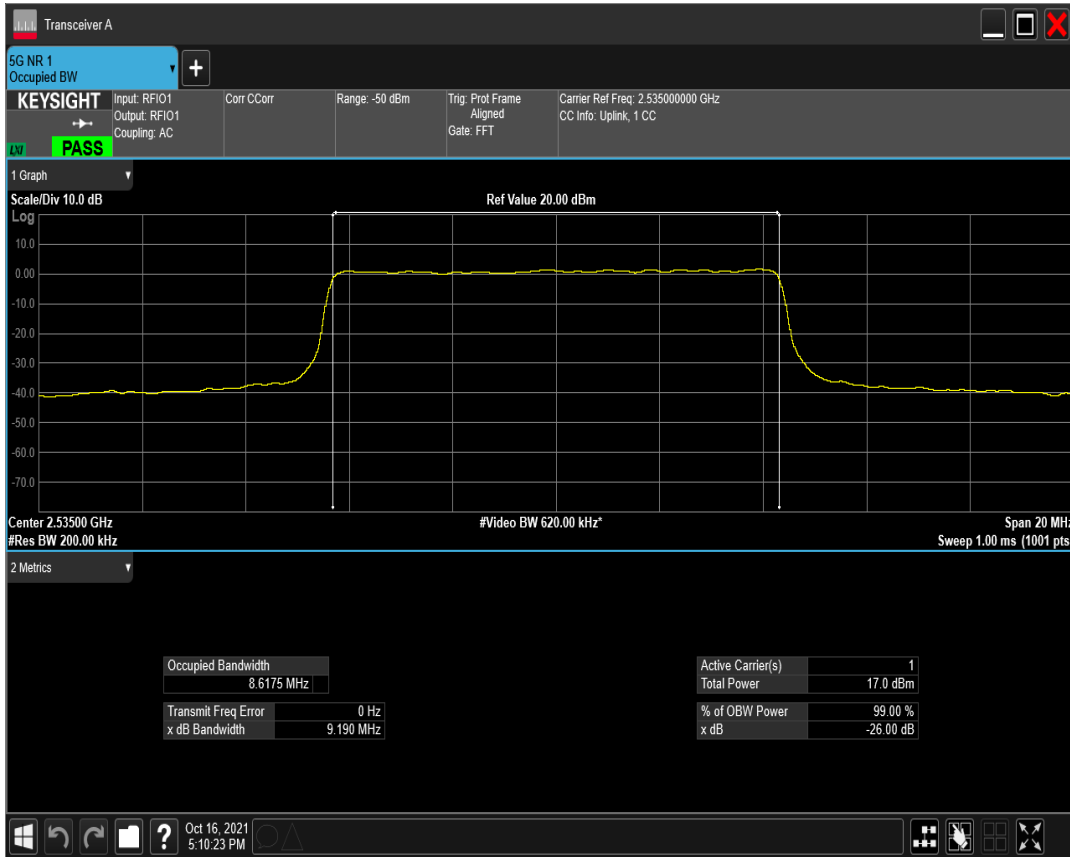
n7 SCS=30kHz DFT\_QPSK BW=10MHz Channel=507000 RB=24@0



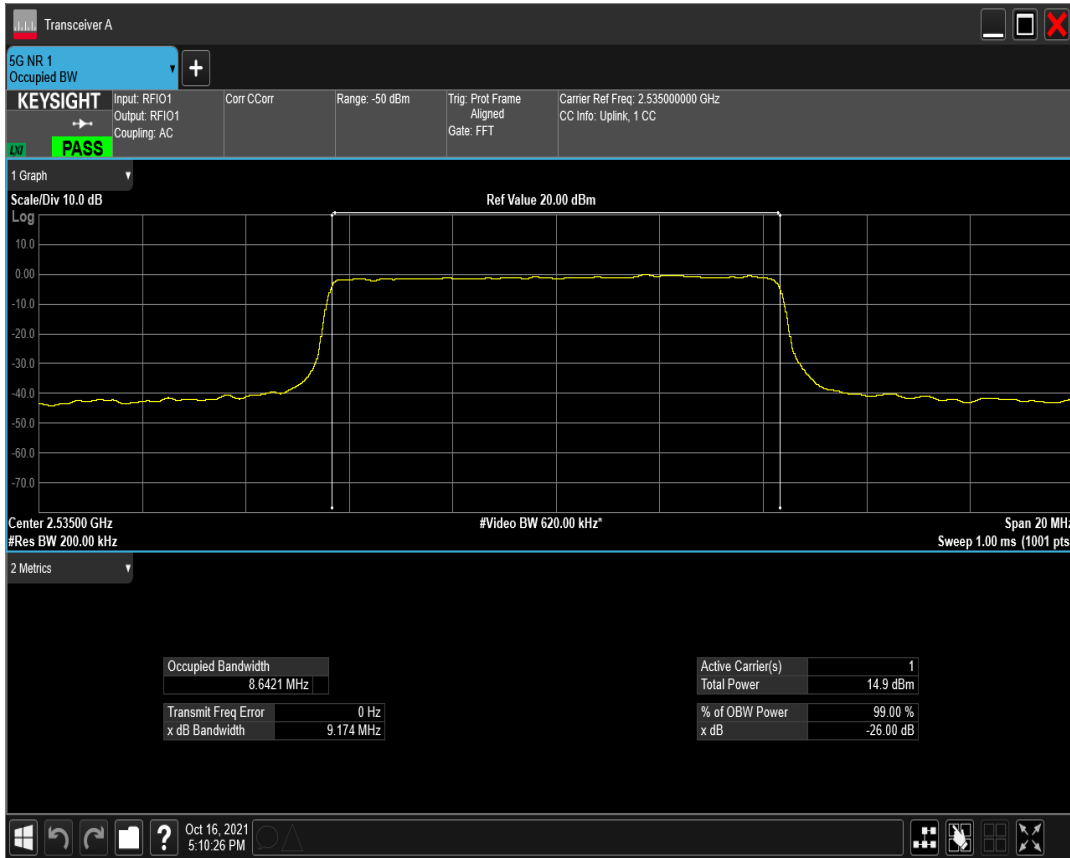
n7 SCS=30kHz DFT\_QAM16 BW=10MHz Channel=507000 RB=24@0



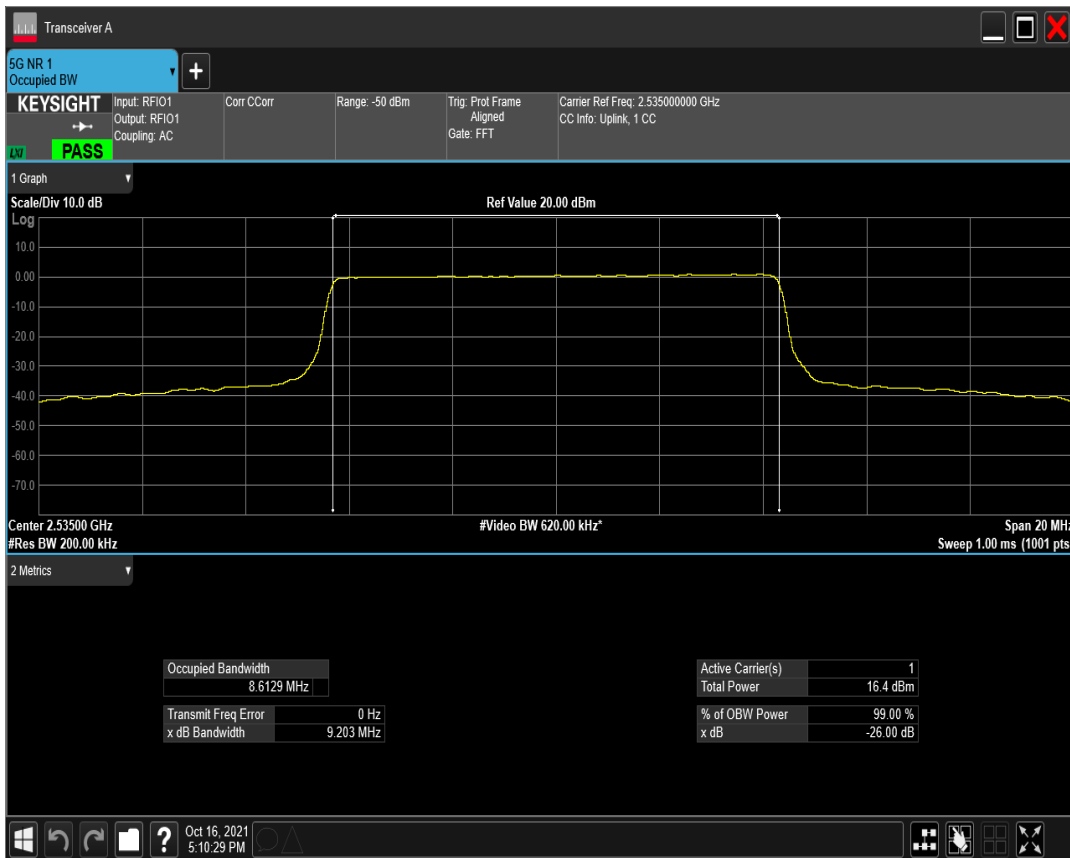
n7 SCS=30kHz DFT\_QAM64 BW=10MHz Channel=507000 RB=24@0



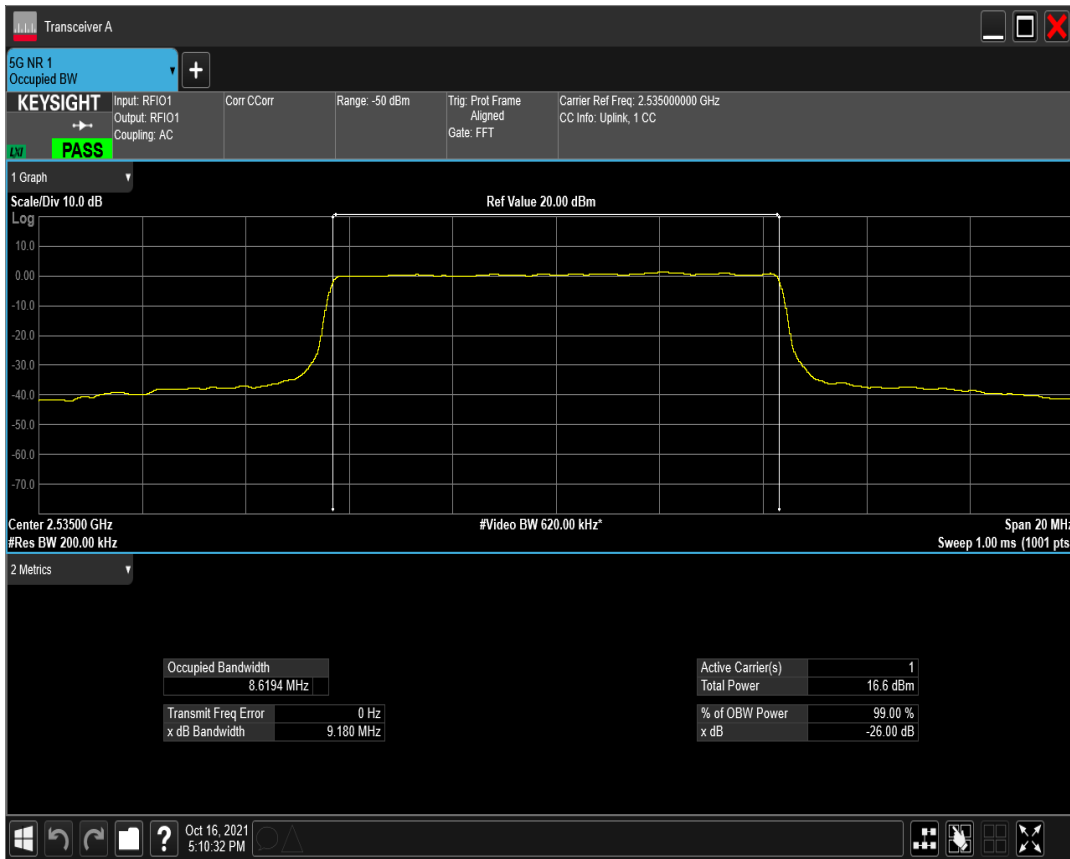
n7 SCS=30kHz DFT\_QAM256 BW=10MHz Channel=507000 RB=24@0



n7 SCS=30kHz CP\_QPSK BW=10MHz Channel=507000 RB=24@0

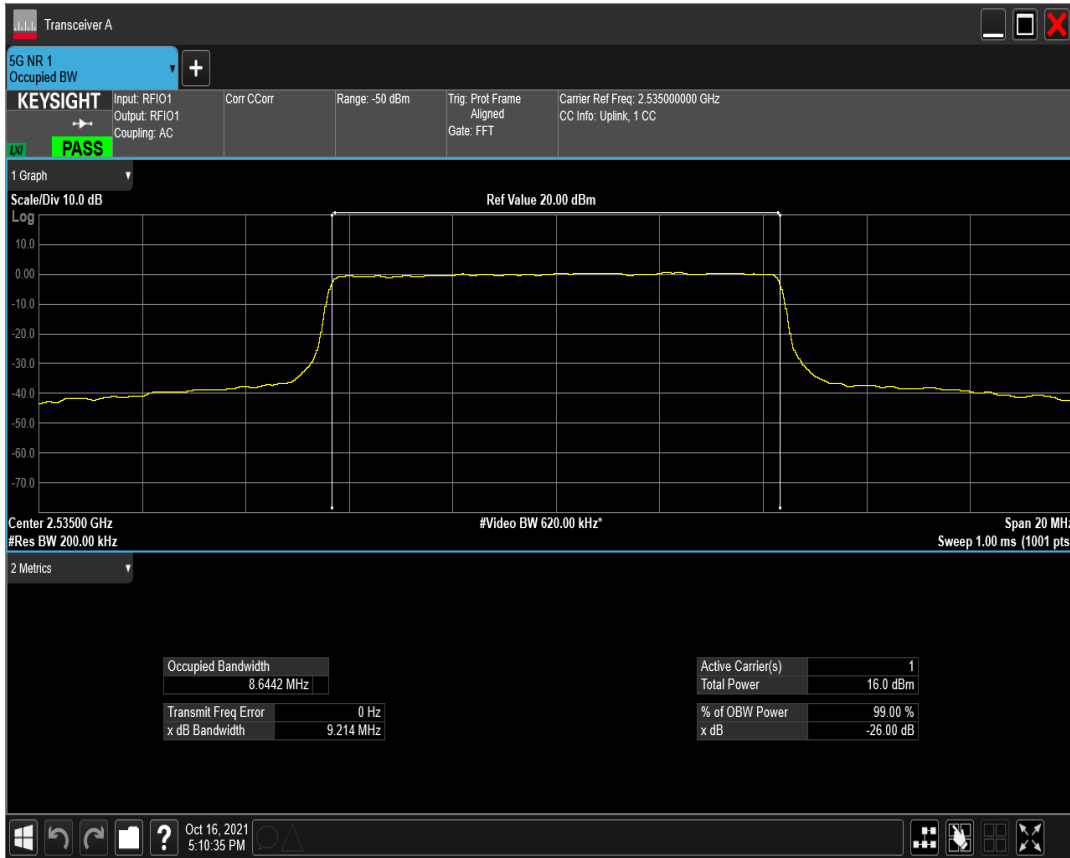


n7 SCS=30kHz CP\_QAM16 BW=10MHz Channel=507000 RB=24@0

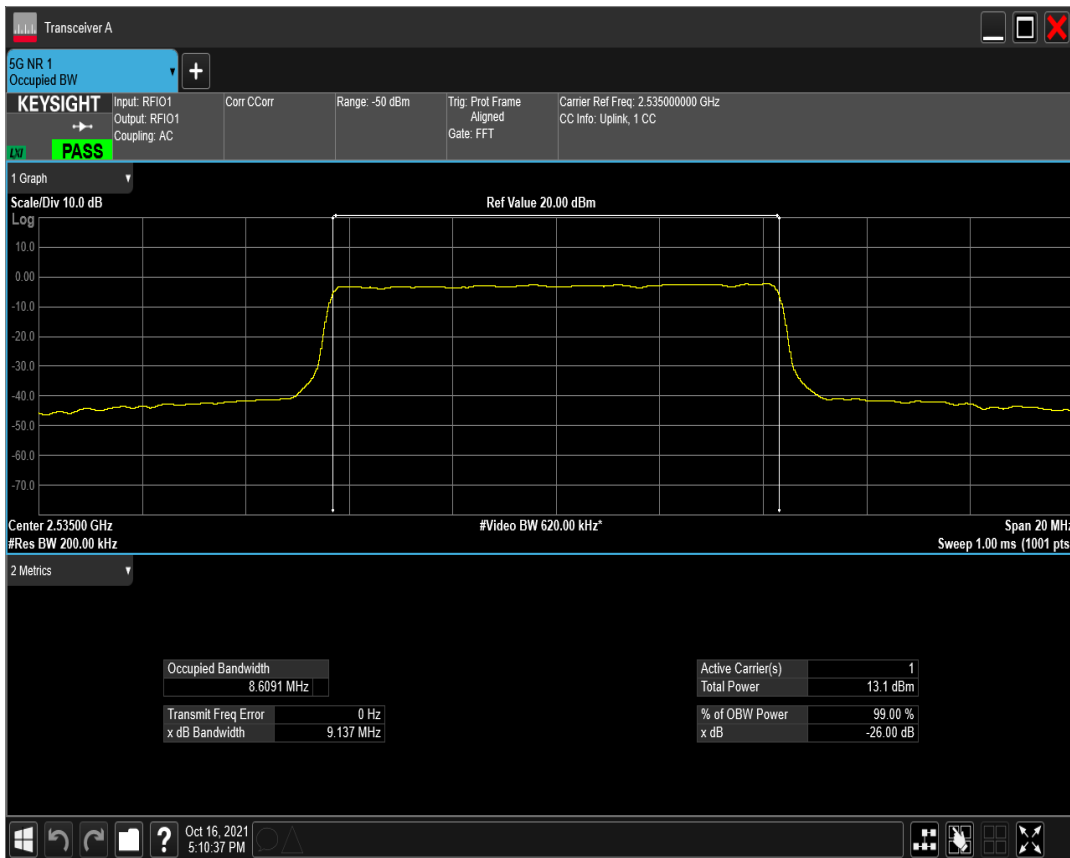


n7 SCS=30kHz CP\_QAM64 BW=10MHz Channel=507000 RB=24@0

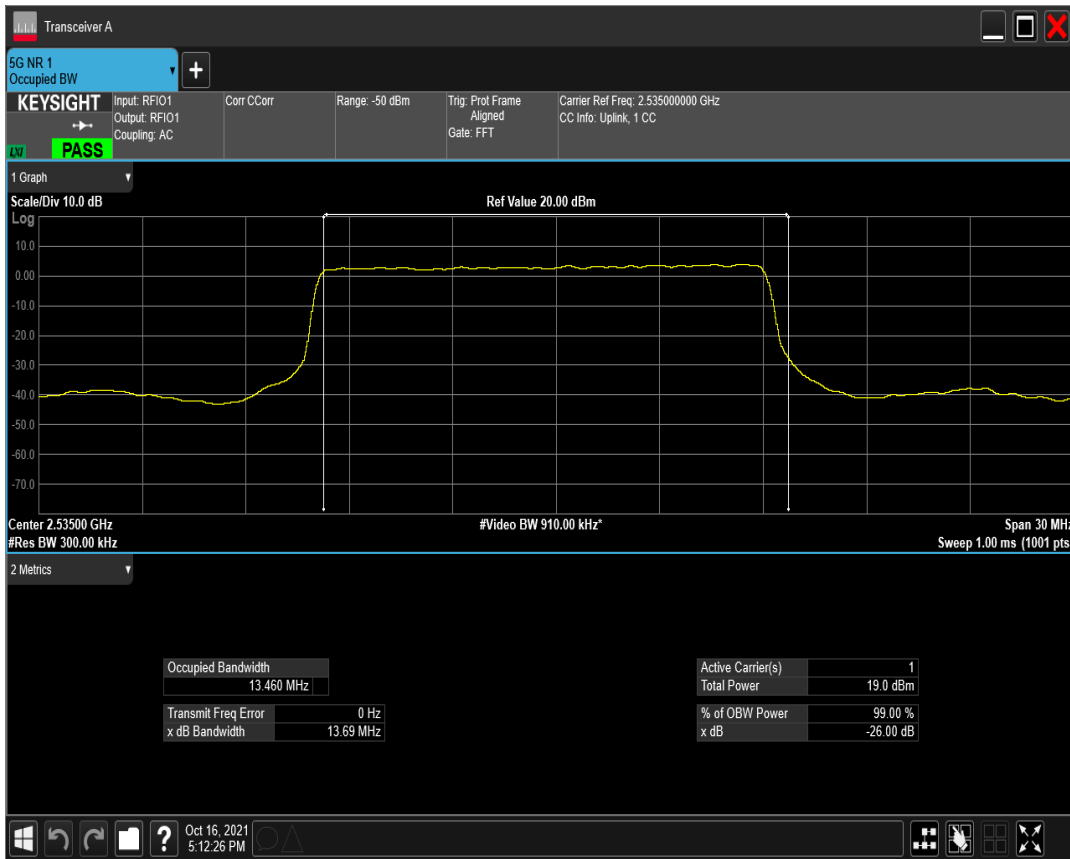




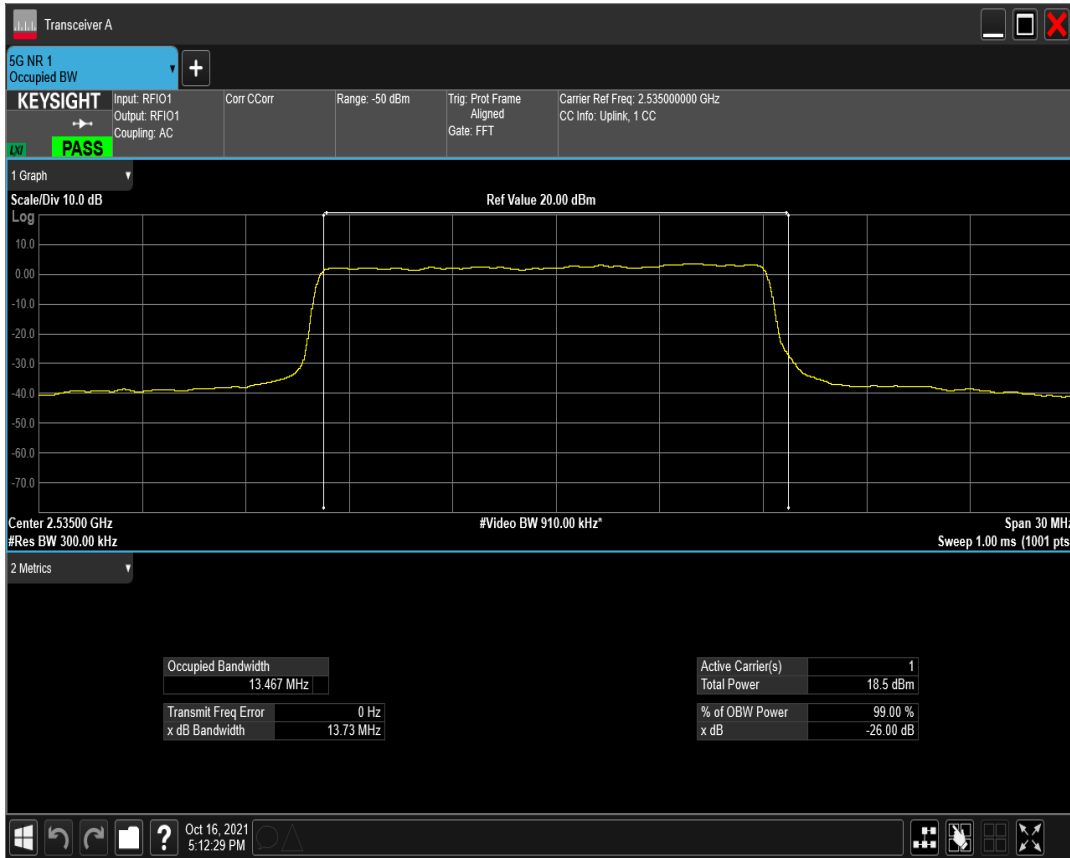
n7 SCS=30kHz CP\_QAM256 BW=10MHz Channel=507000 RB=24@0



n7 SCS=30kHz DFT\_BPSK BW=15MHz Channel=507000 RB=36@0



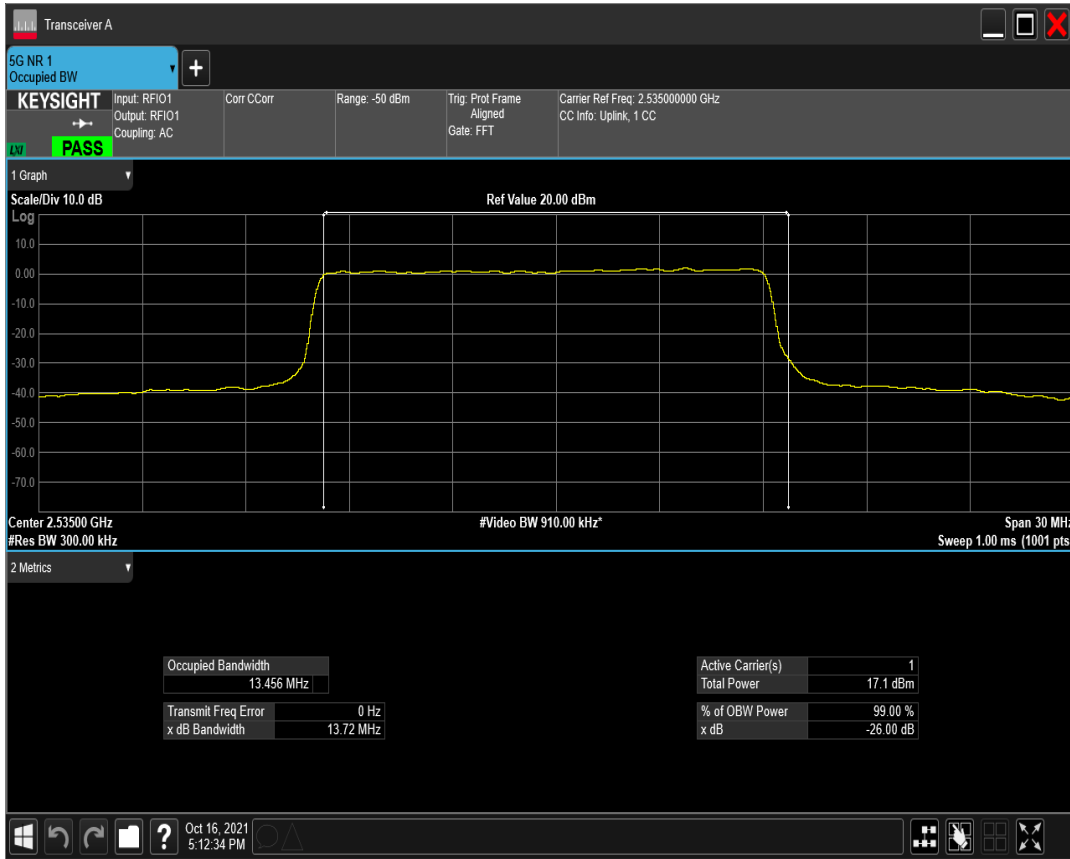
n7 SCS=30kHz DFT\_QPSK BW=15MHz Channel=507000 RB=36@0



n7 SCS=30kHz DFT\_QAM16 BW=15MHz Channel=507000 RB=36@0



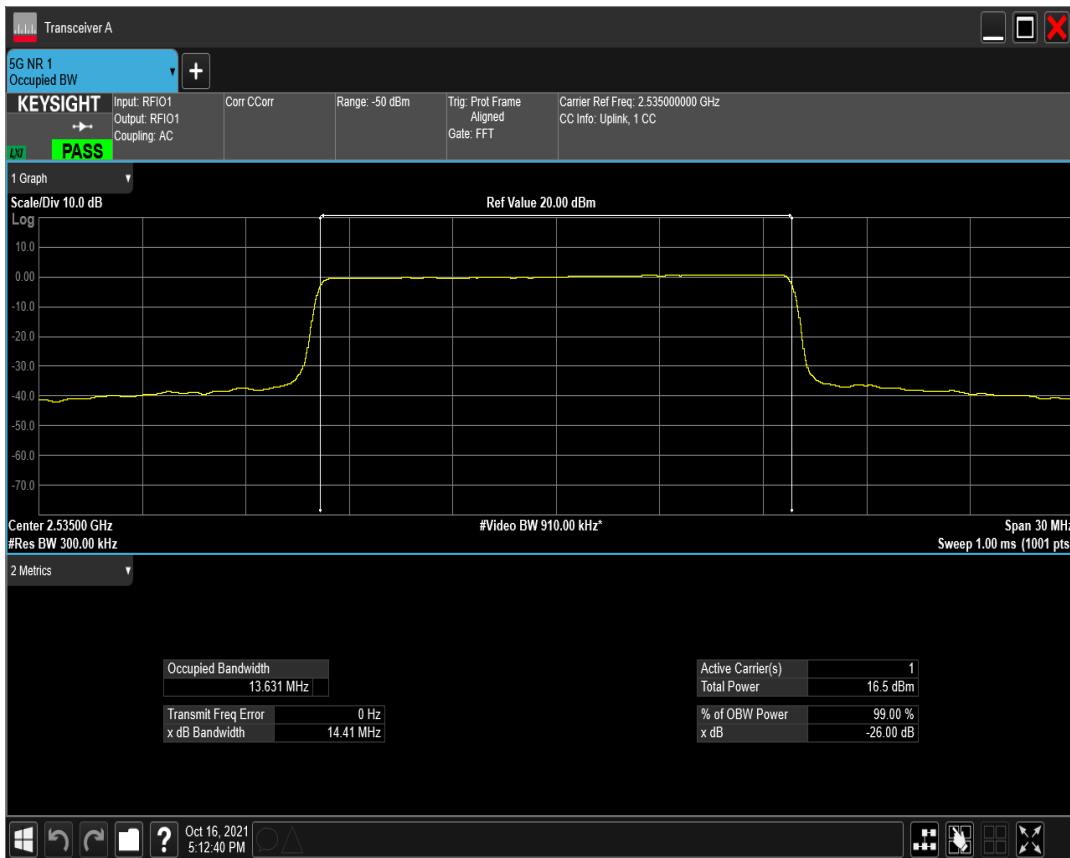
n7 SCS=30kHz DFT\_QAM64 BW=15MHz Channel=507000 RB=36@0



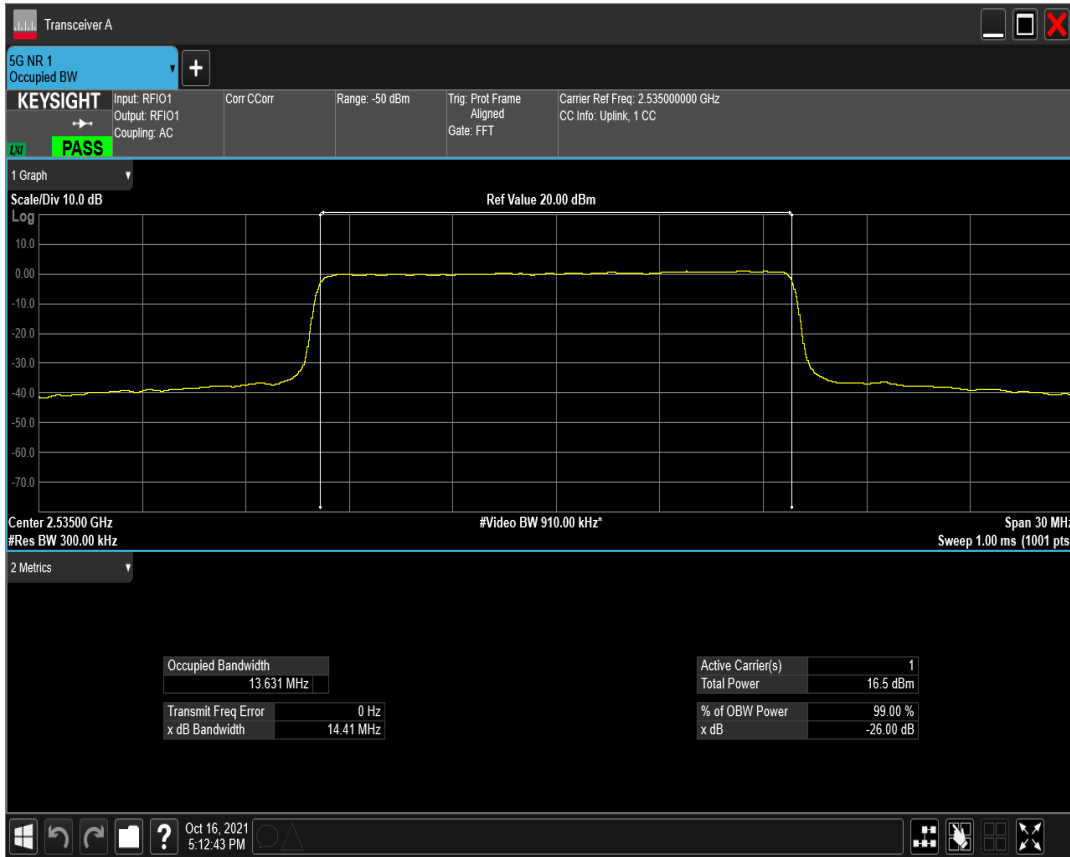
n7 SCS=30kHz DFT\_QAM256 BW=15MHz Channel=507000 RB=36@0



n7 SCS=30kHz CP\_QPSK BW=15MHz Channel=507000 RB=38@0



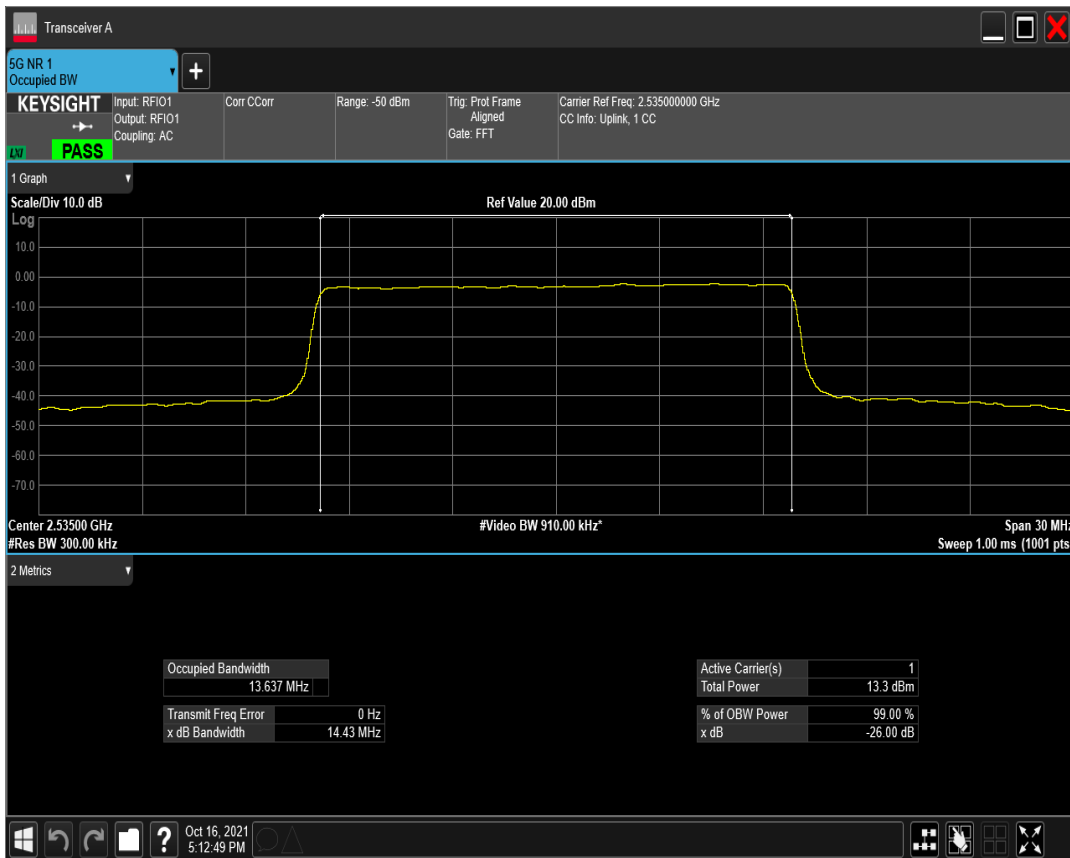
n7 SCS=30kHz CP\_QAM16 BW=15MHz Channel=507000 RB=38@0



n7 SCS=30kHz CP\_QAM64 BW=15MHz Channel=507000 RB=38@0



n7 SCS=30kHz CP\_QAM256 BW=15MHz Channel=507000 RB=38@0

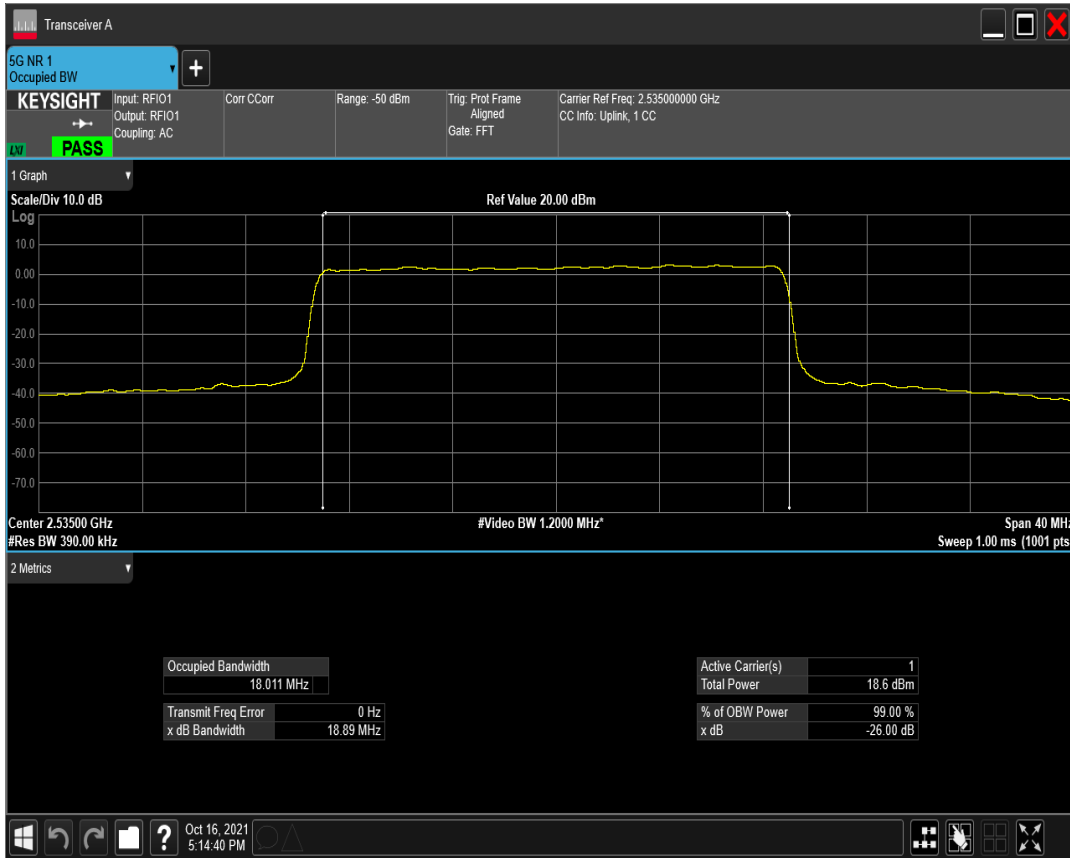


n7 SCS=30kHz DFT\_BPSK BW=20MHz Channel=507000 RB=50@0

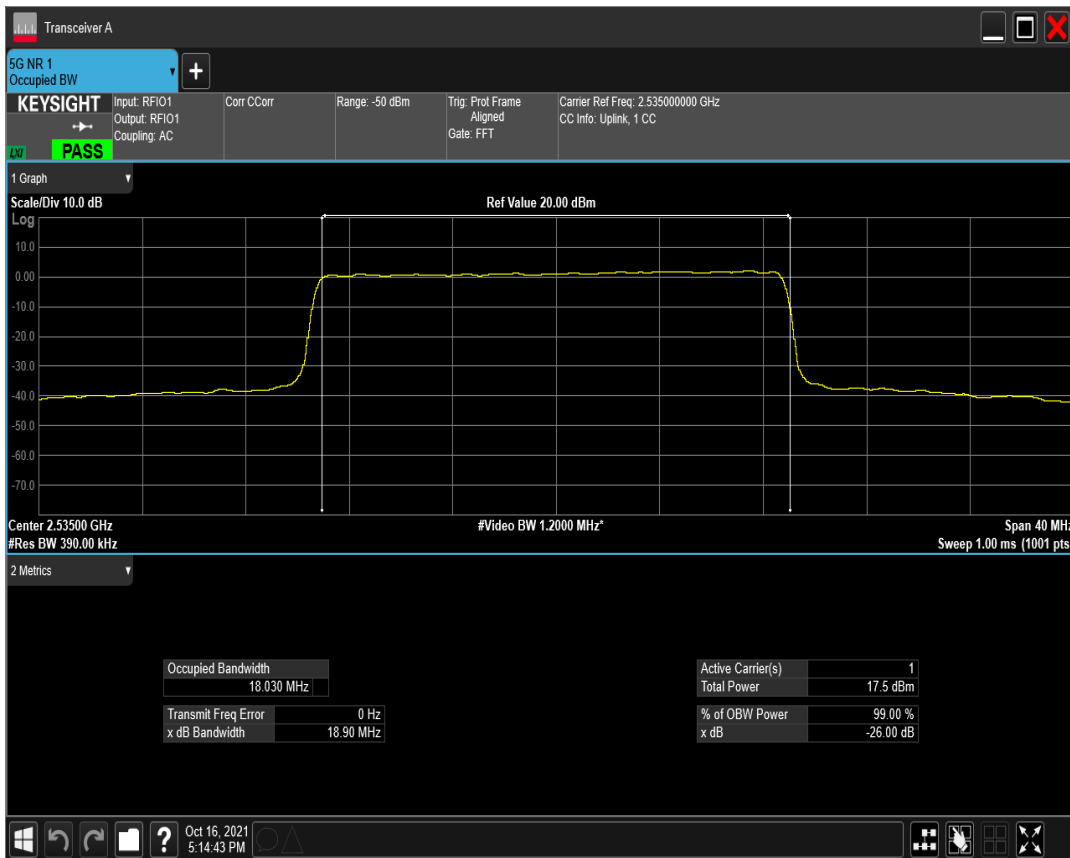


n7 SCS=30kHz DFT\_QPSK BW=20MHz Channel=507000 RB=50@0

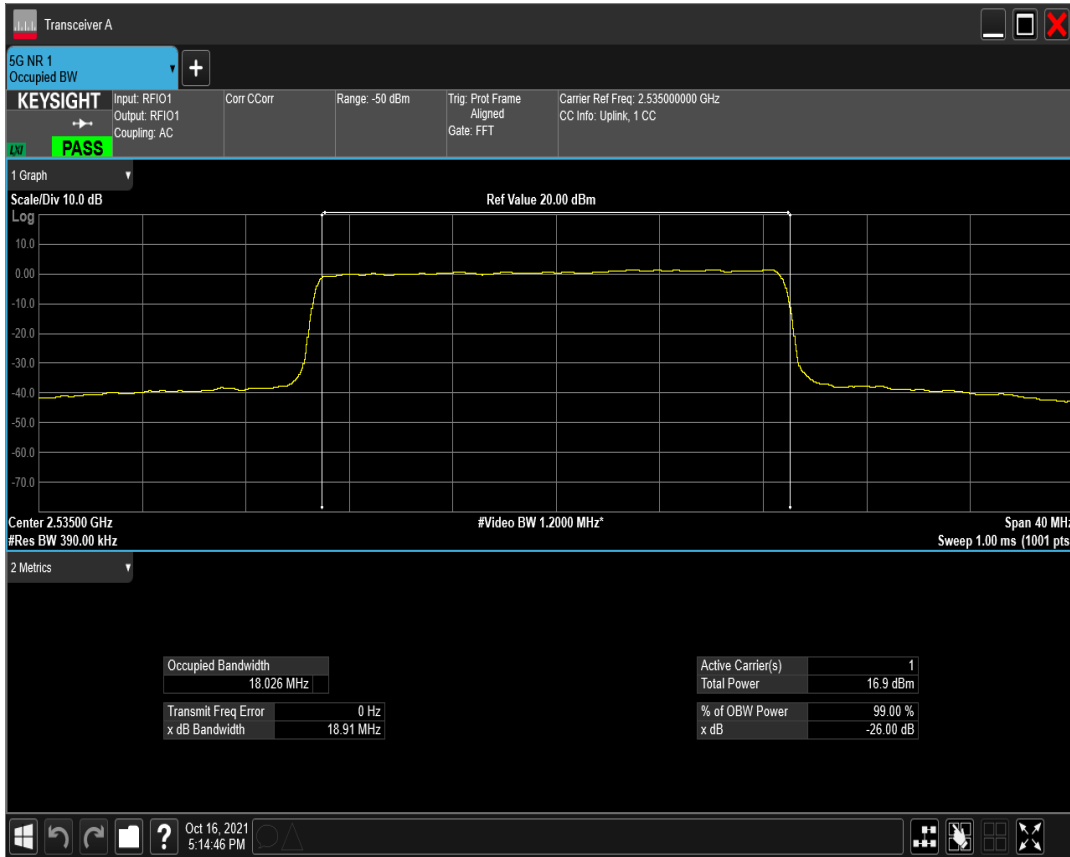




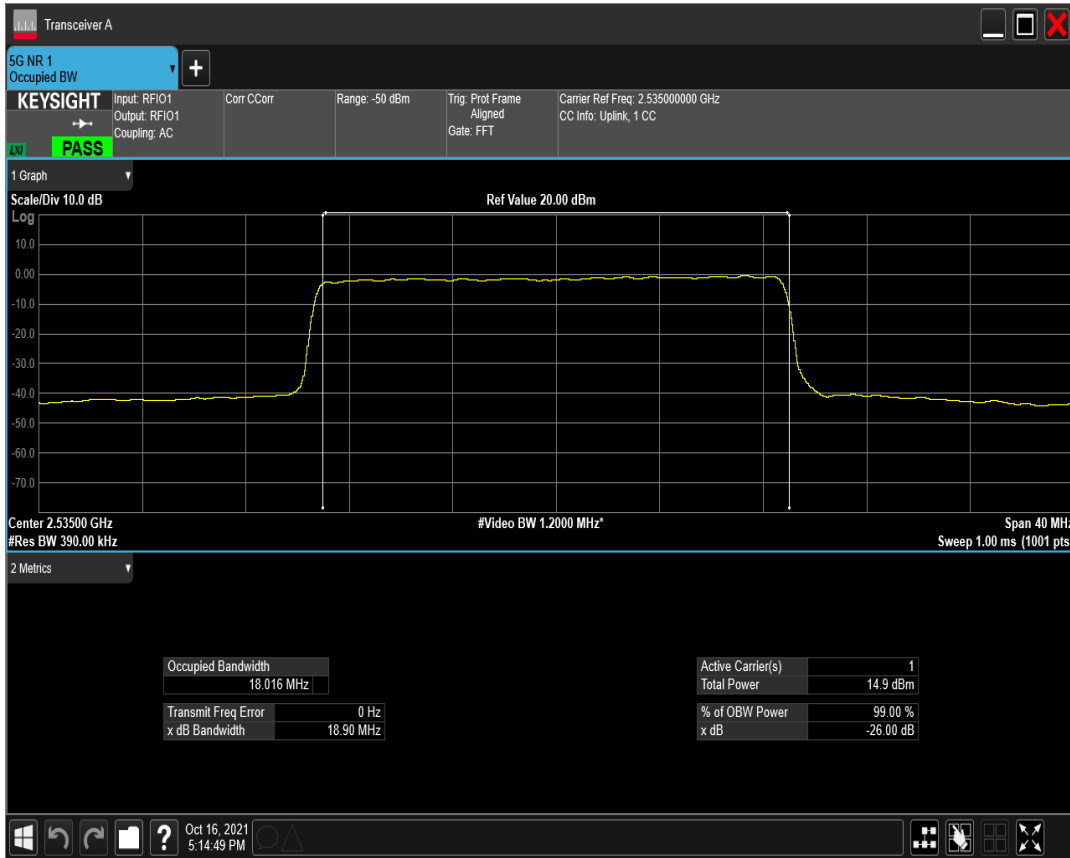
n7 SCS=30kHz DFT\_QAM16 BW=20MHz Channel=507000 RB=50@0



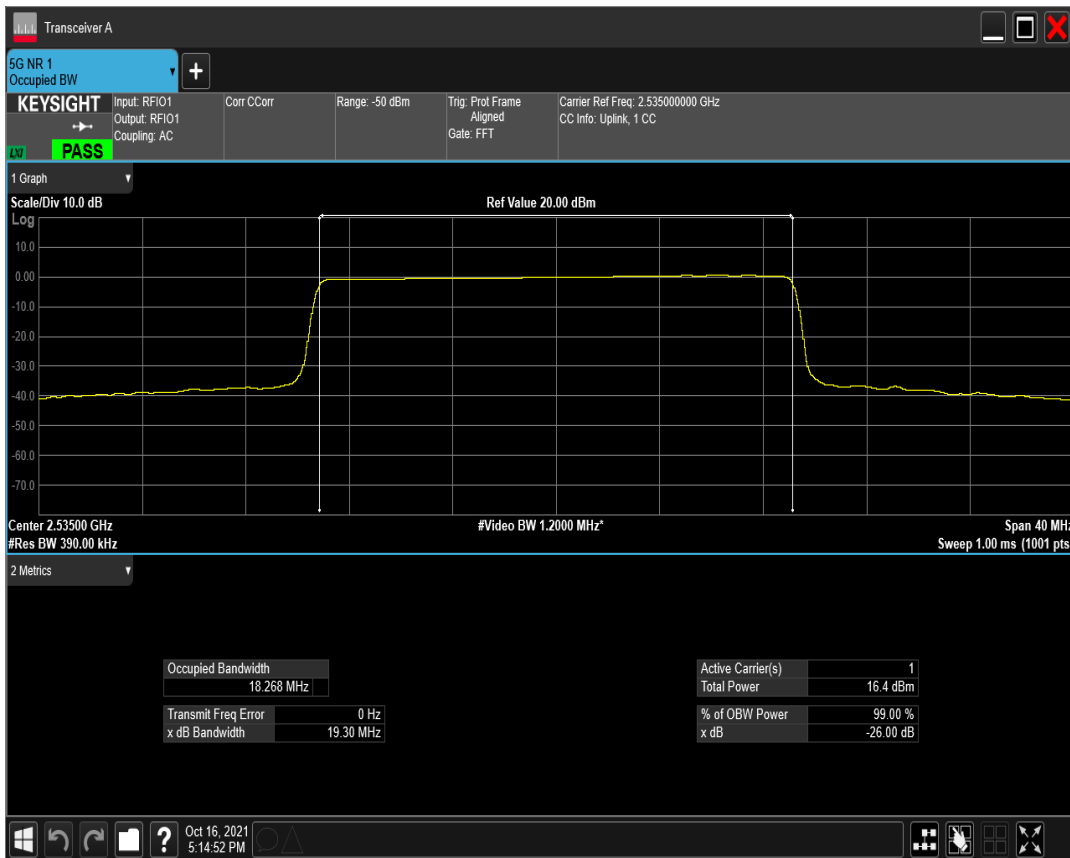
n7 SCS=30kHz DFT\_QAM64 BW=20MHz Channel=507000 RB=50@0



n7 SCS=30kHz DFT\_QAM256 BW=20MHz Channel=507000 RB=50@0



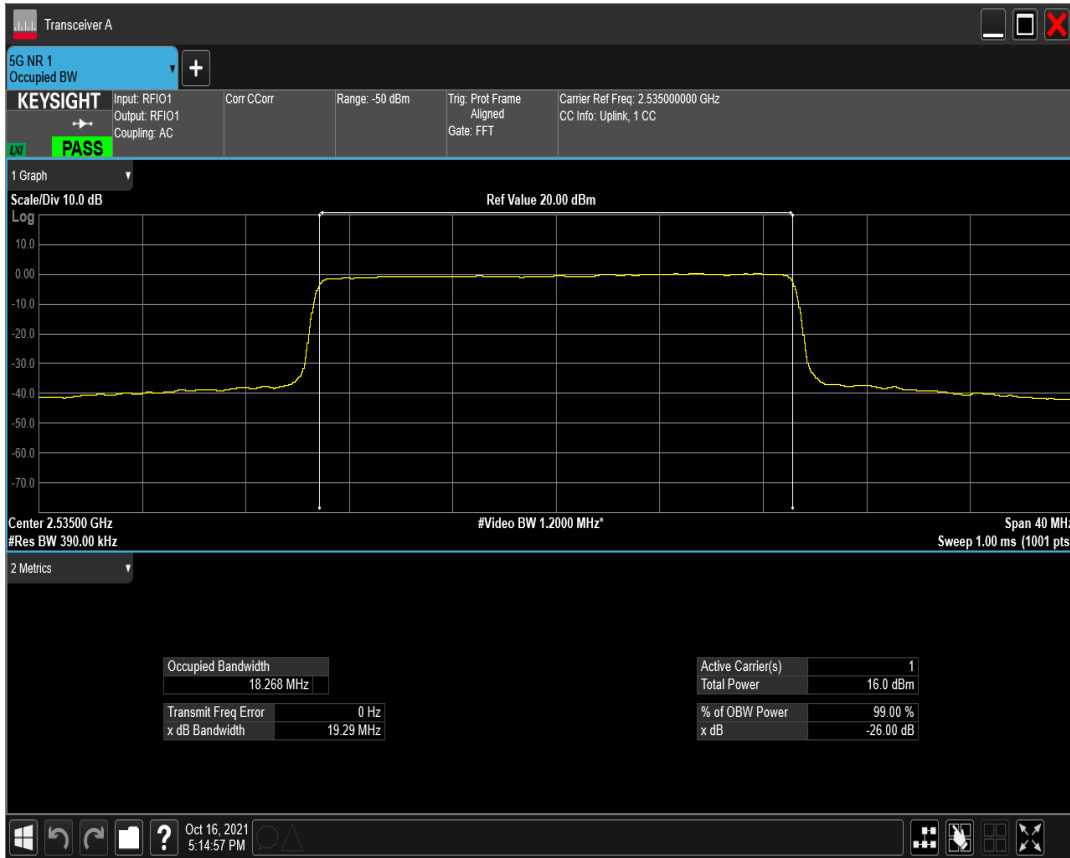
n7 SCS=30kHz CP\_QPSK BW=20MHz Channel=507000 RB=51 @0



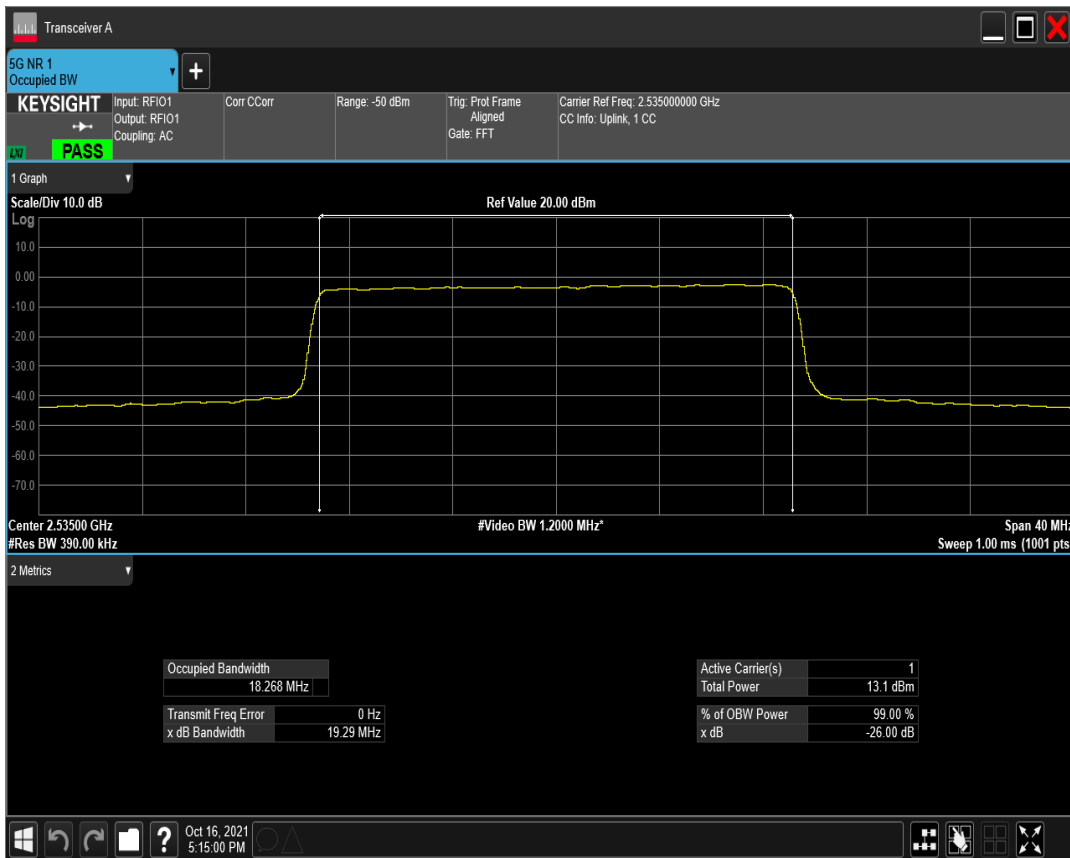
n7 SCS=30kHz CP\_QAM16 BW=20MHz Channel=507000 RB=51 @0



n7 SCS=30kHz CP\_QAM64 BW=20MHz Channel=507000 RB=51 @0



n7 SCS=30kHz CP\_QAM256 BW=20MHz Channel=507000 RB=51 @0



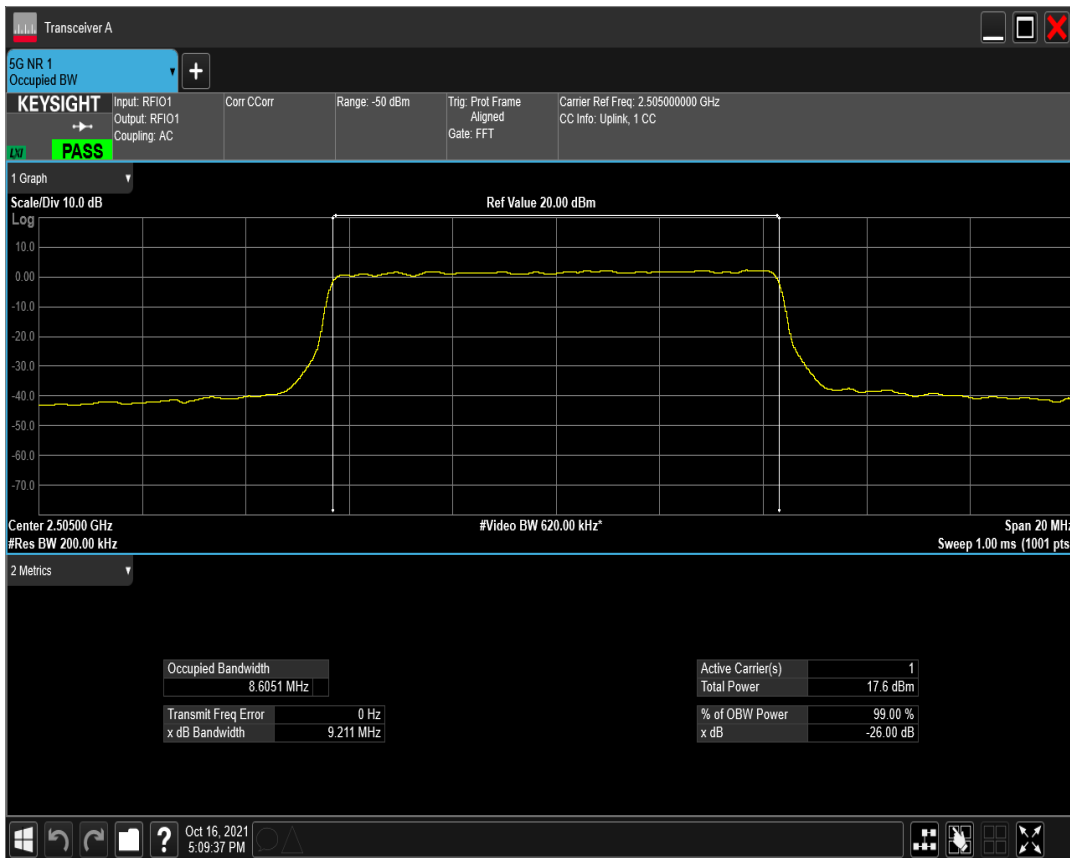
n7 SCS=30kHz DFT\_BPSK BW=10MHz Channel=501000 RB=24@0



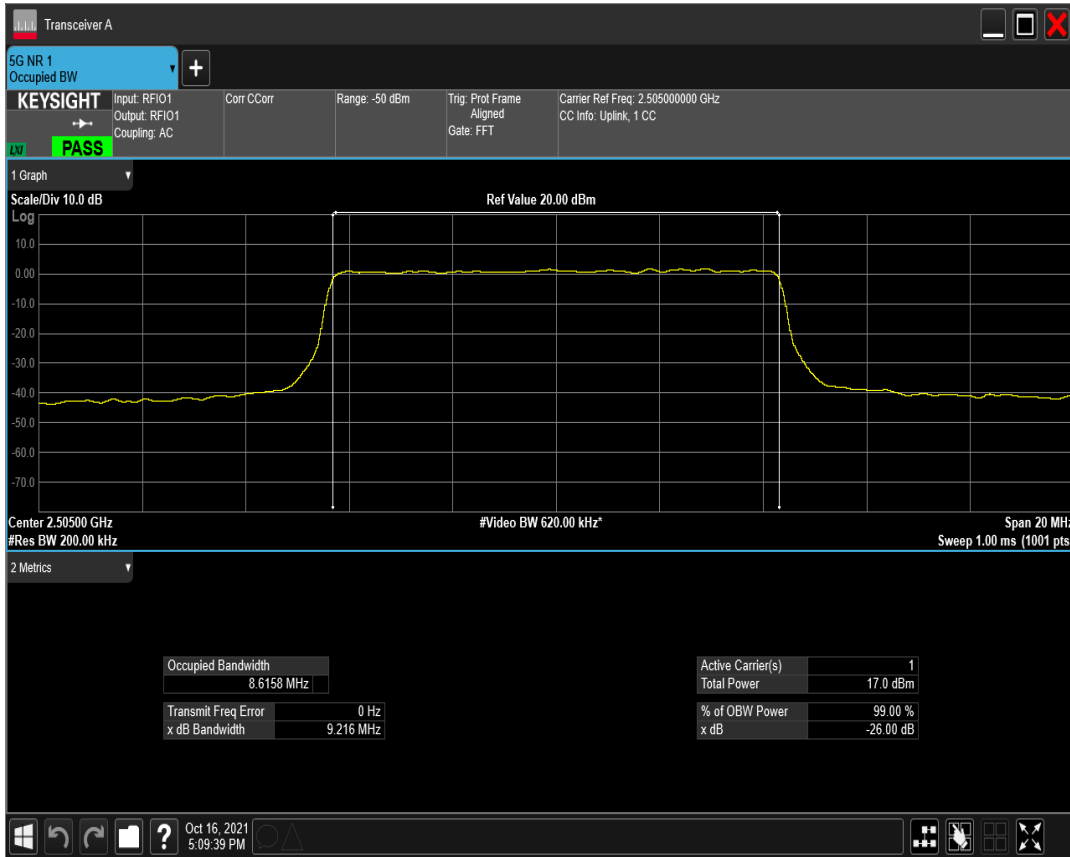
n7 SCS=30kHz DFT\_QPSK BW=10MHz Channel=501000 RB=24@0



n7 SCS=30kHz DFT\_QAM16 BW=10MHz Channel=501000 RB=24@0

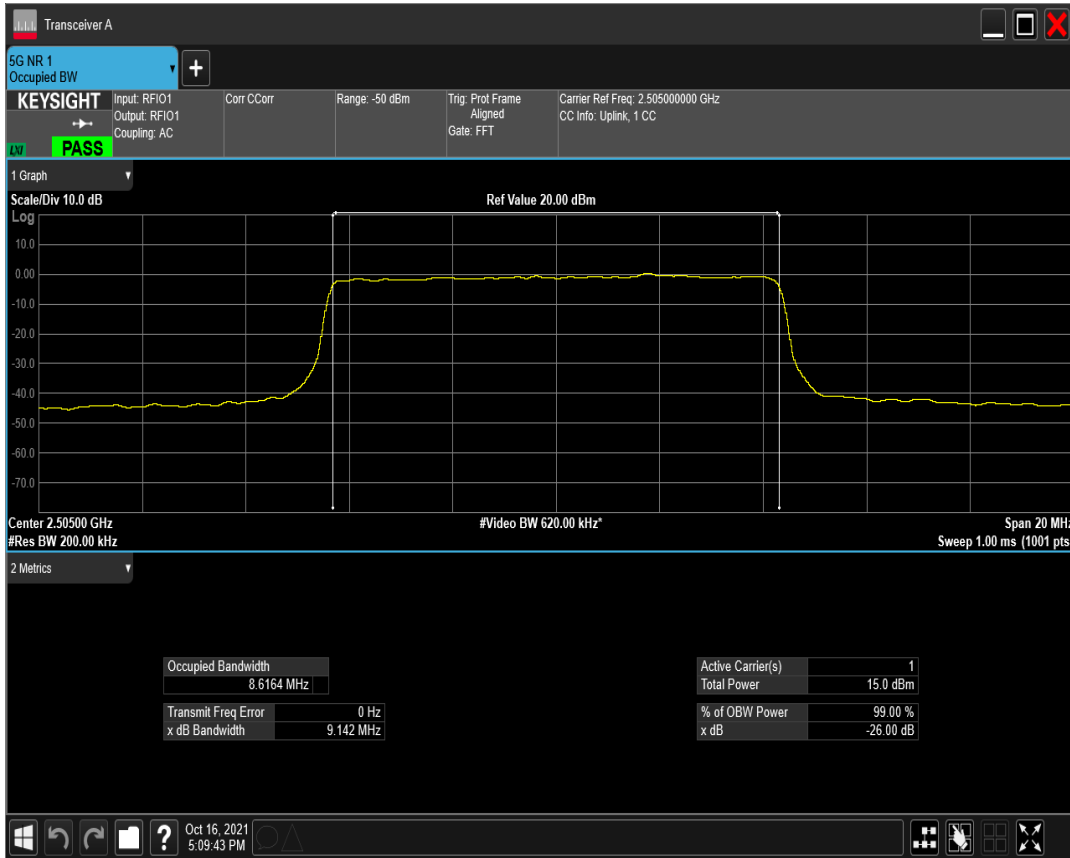


n7 SCS=30kHz DFT\_QAM64 BW=10MHz Channel=501000 RB=24@0

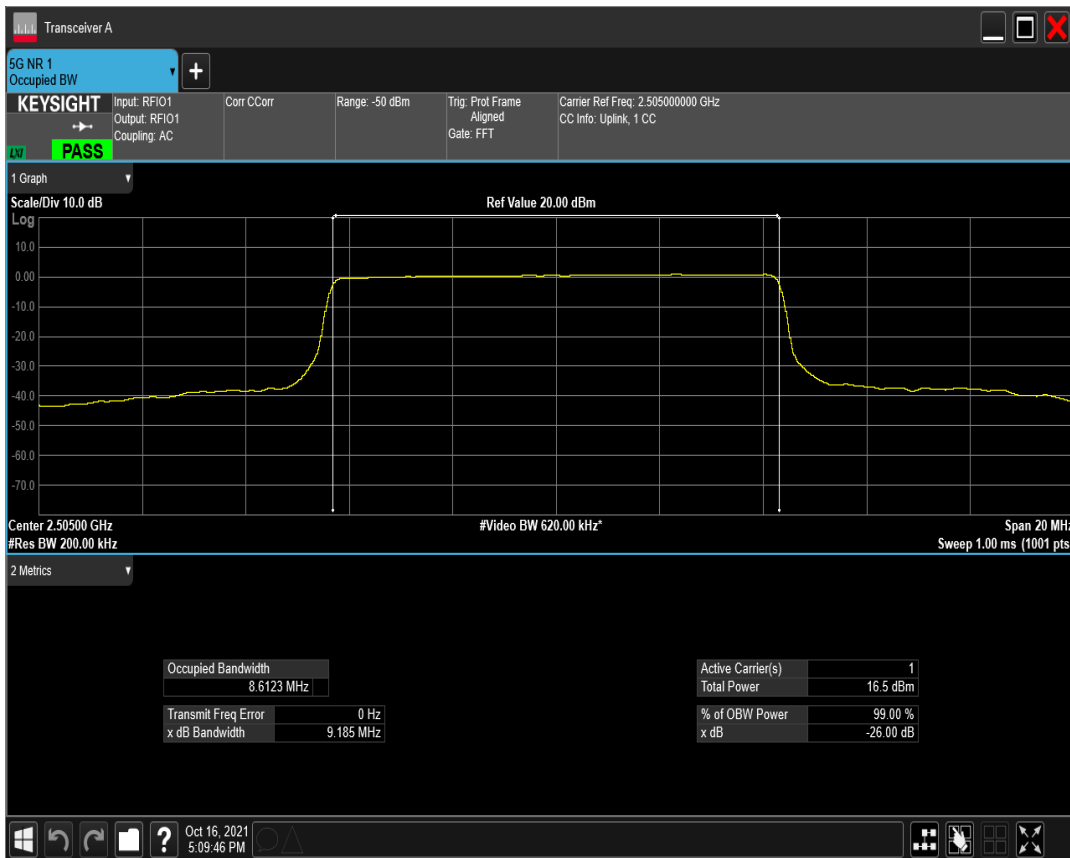


n7 SCS=30kHz DFT\_QAM256 BW=10MHz Channel=501000 RB=24@0

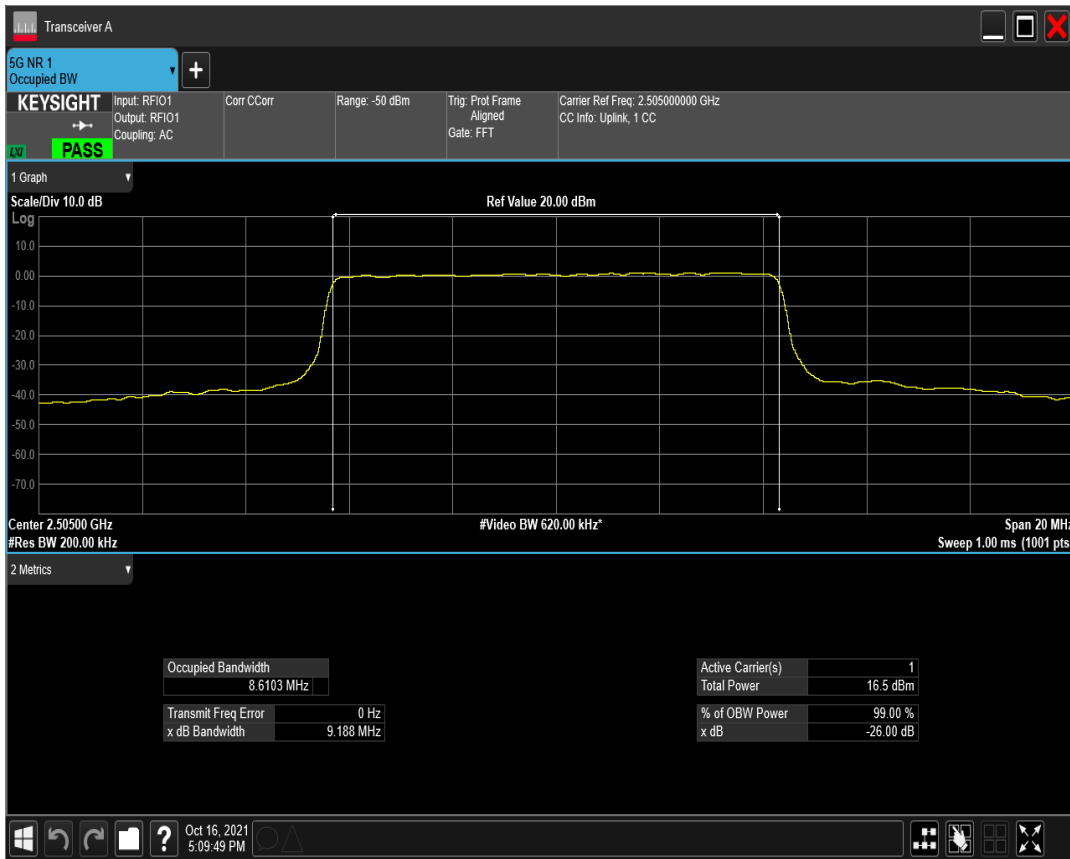




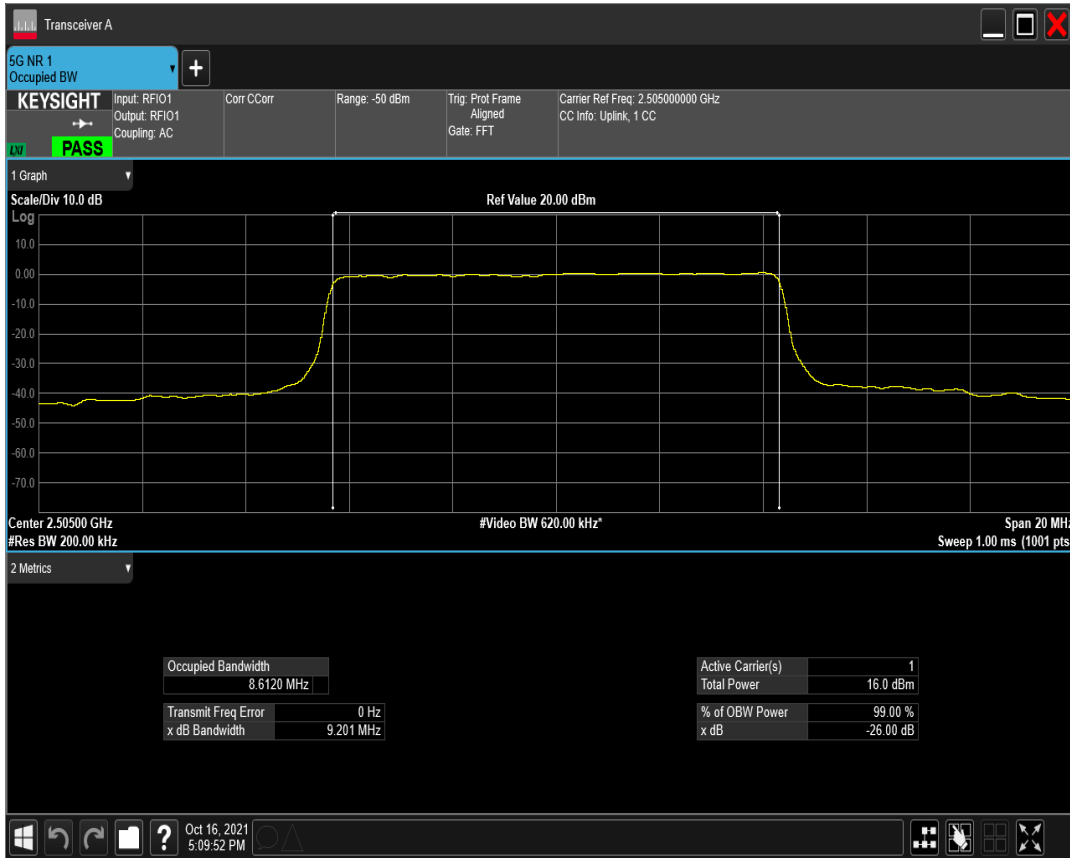
n7 SCS=30kHz CP\_QPSK BW=10MHz Channel=501000 RB=24@0



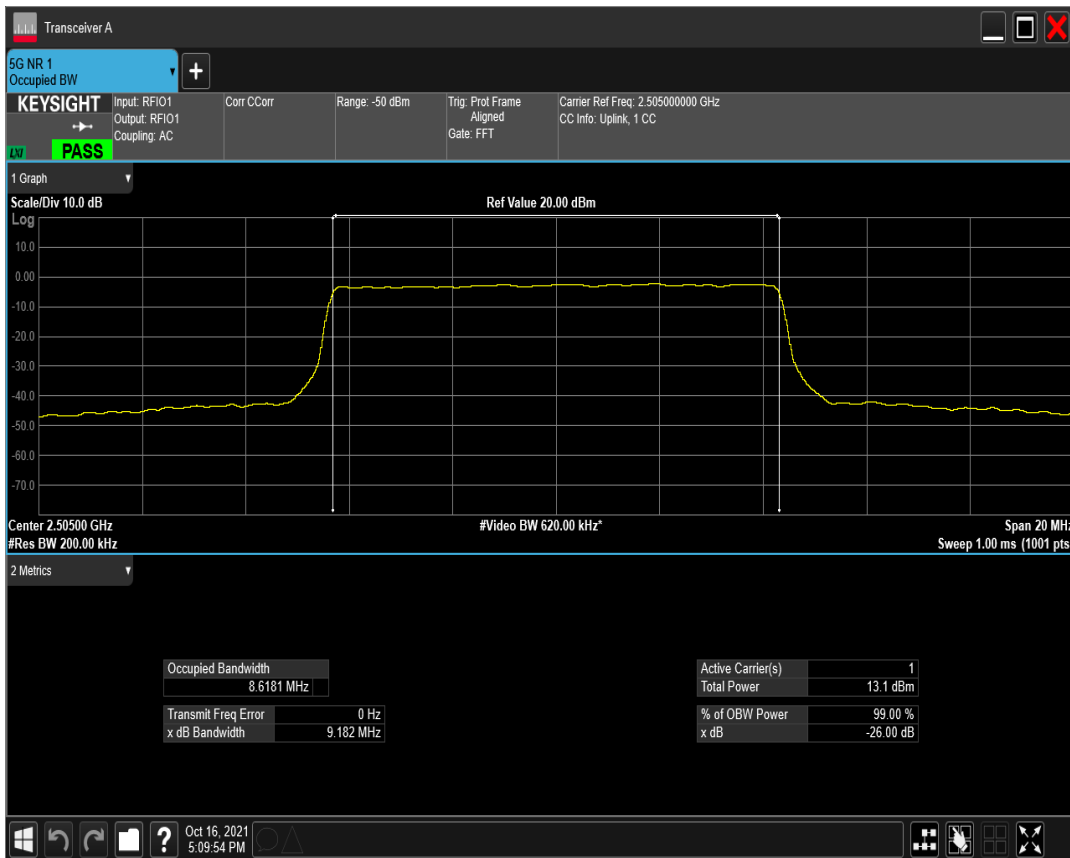
n7 SCS=30kHz CP\_QAM16 BW=10MHz Channel=501000 RB=24@0



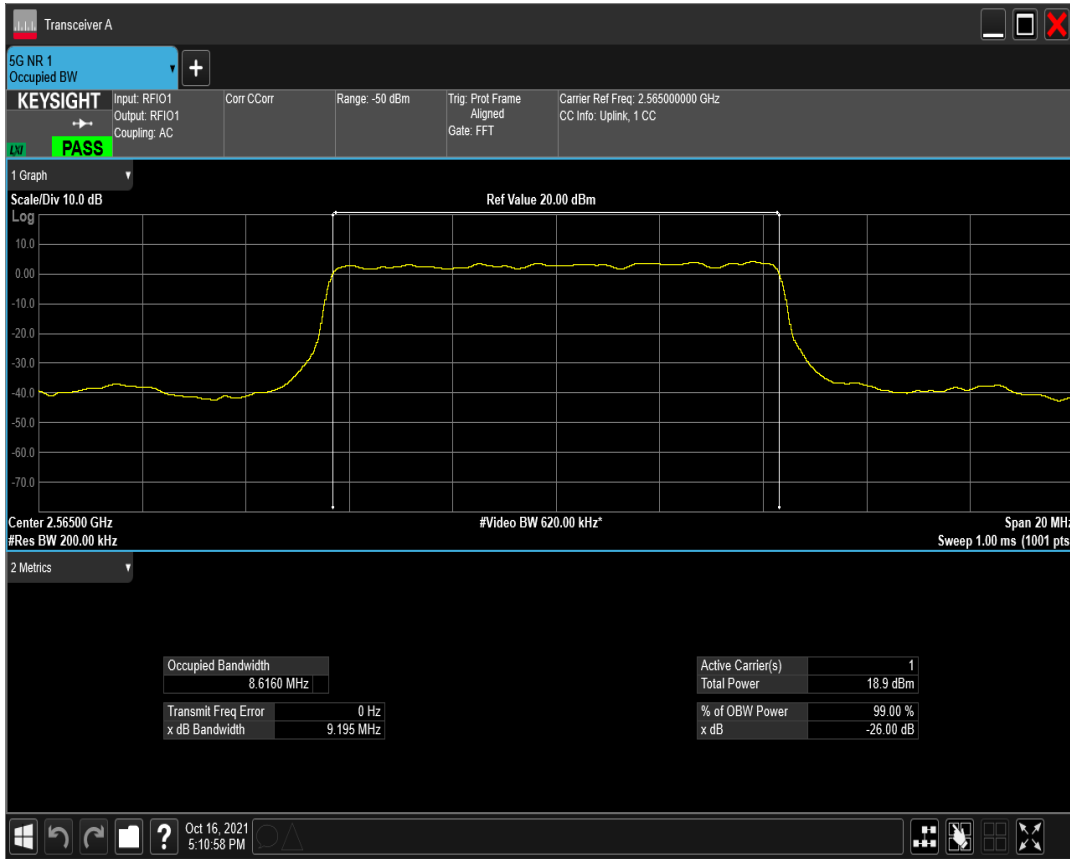
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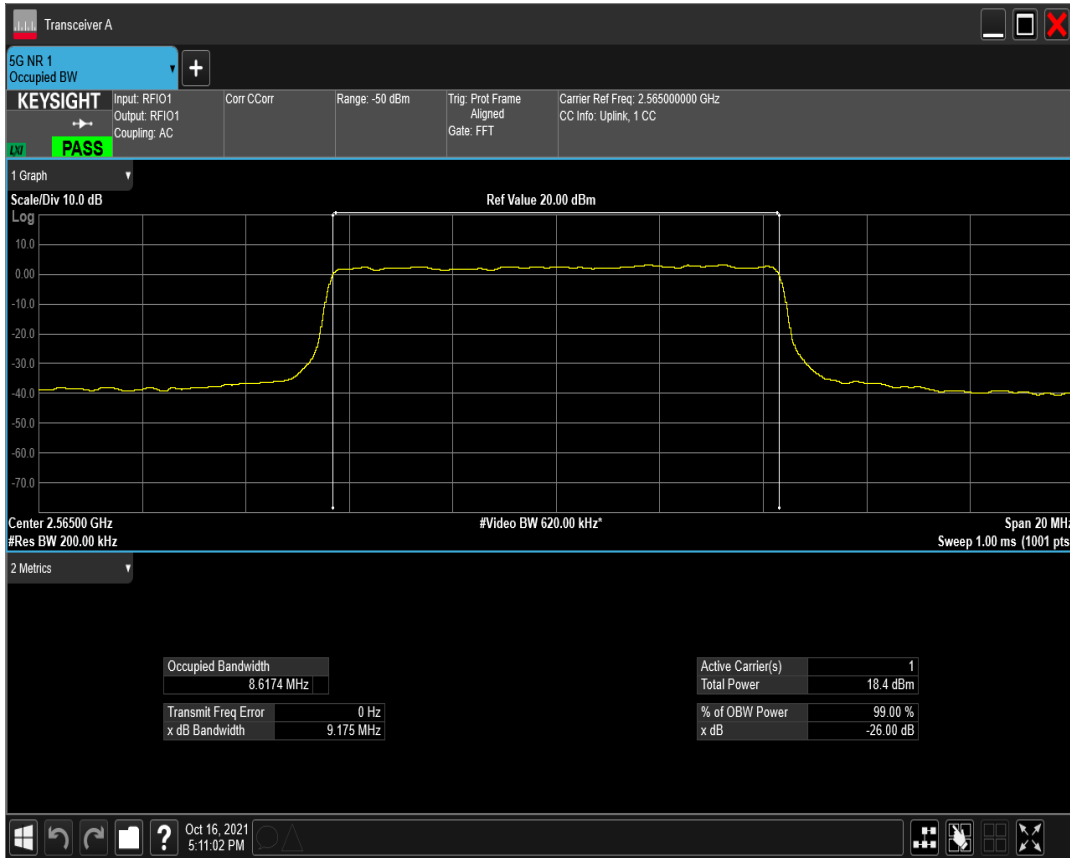
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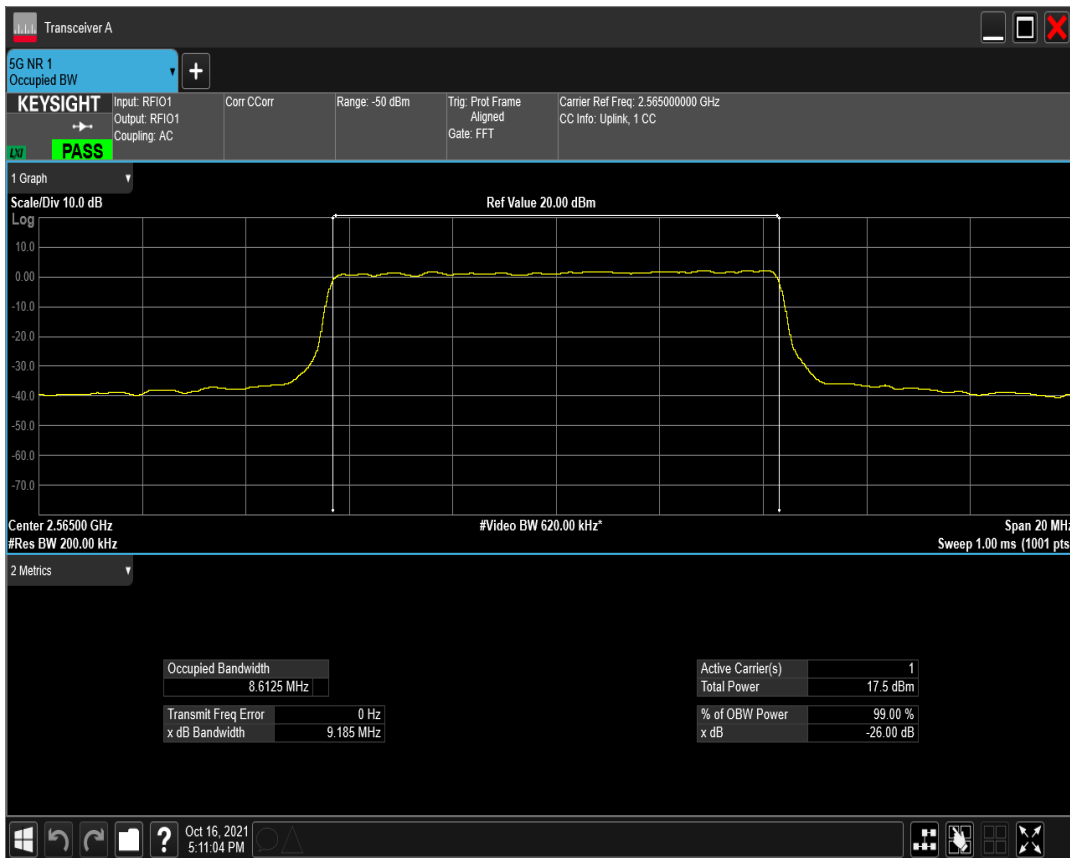
n7 SCS=30kHz DFT\_BPSK BW=10MHz Channel=513000 RB=24@0



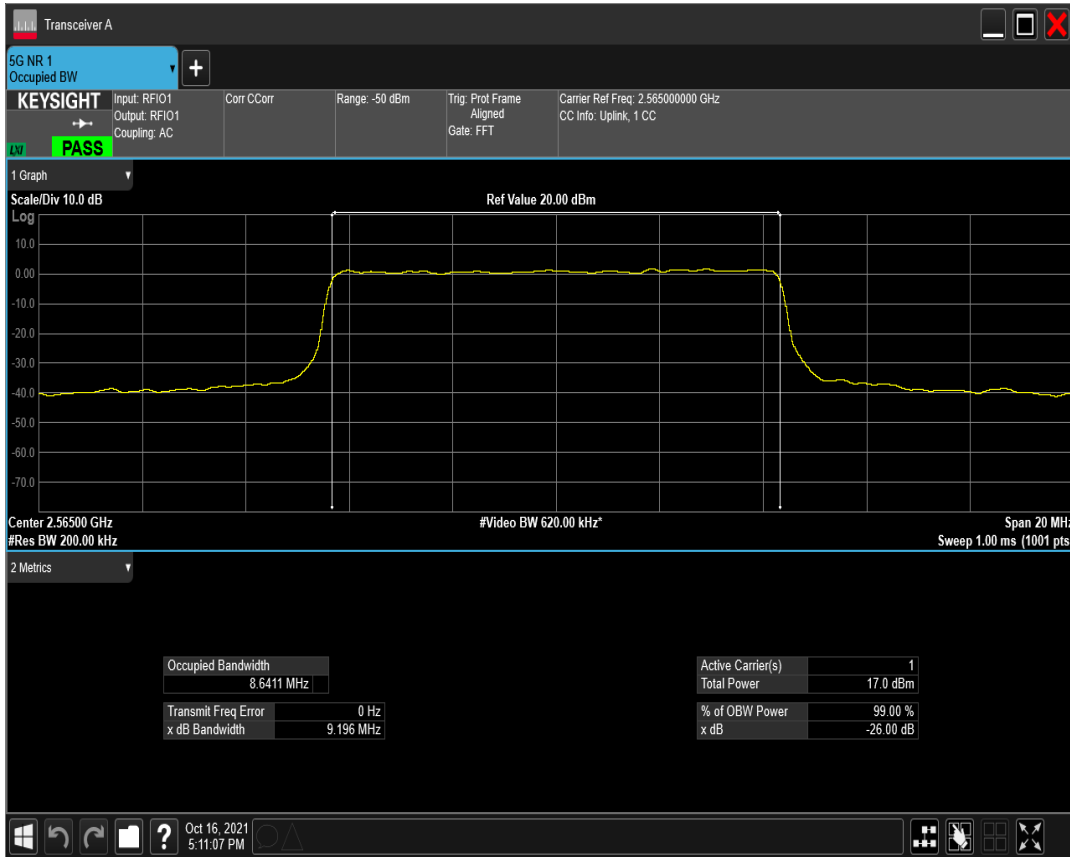
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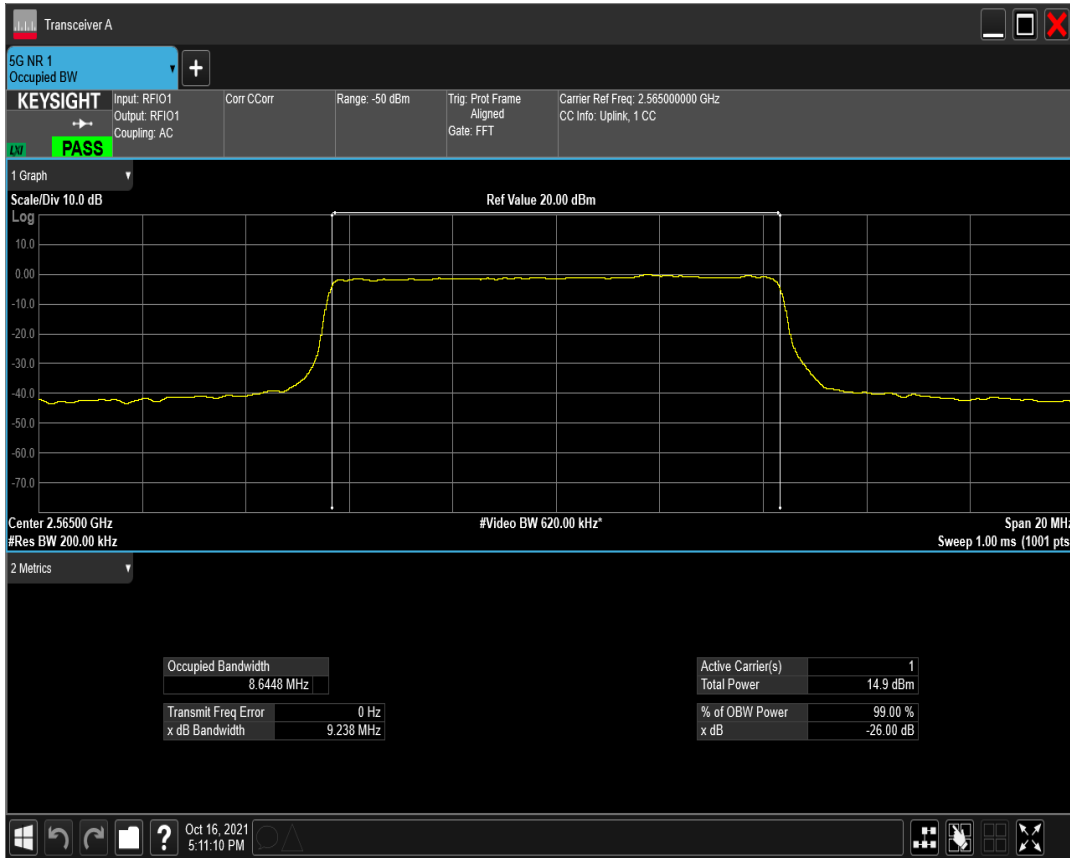
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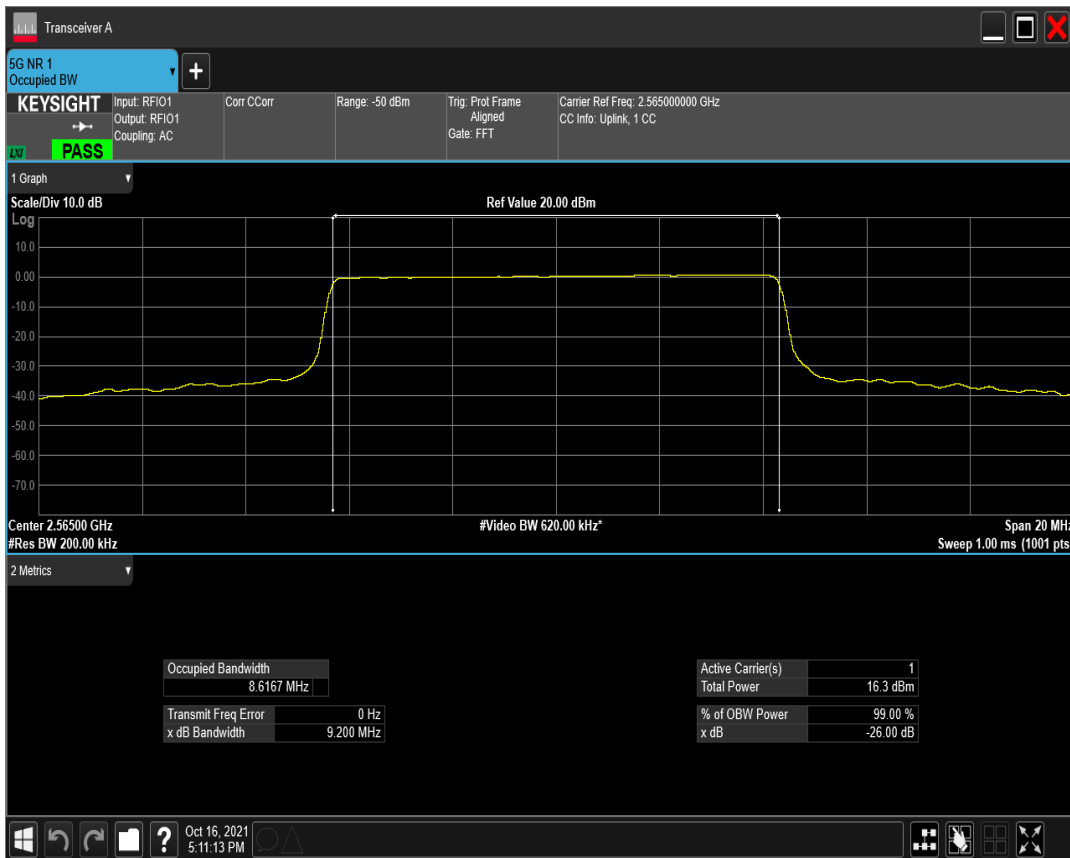
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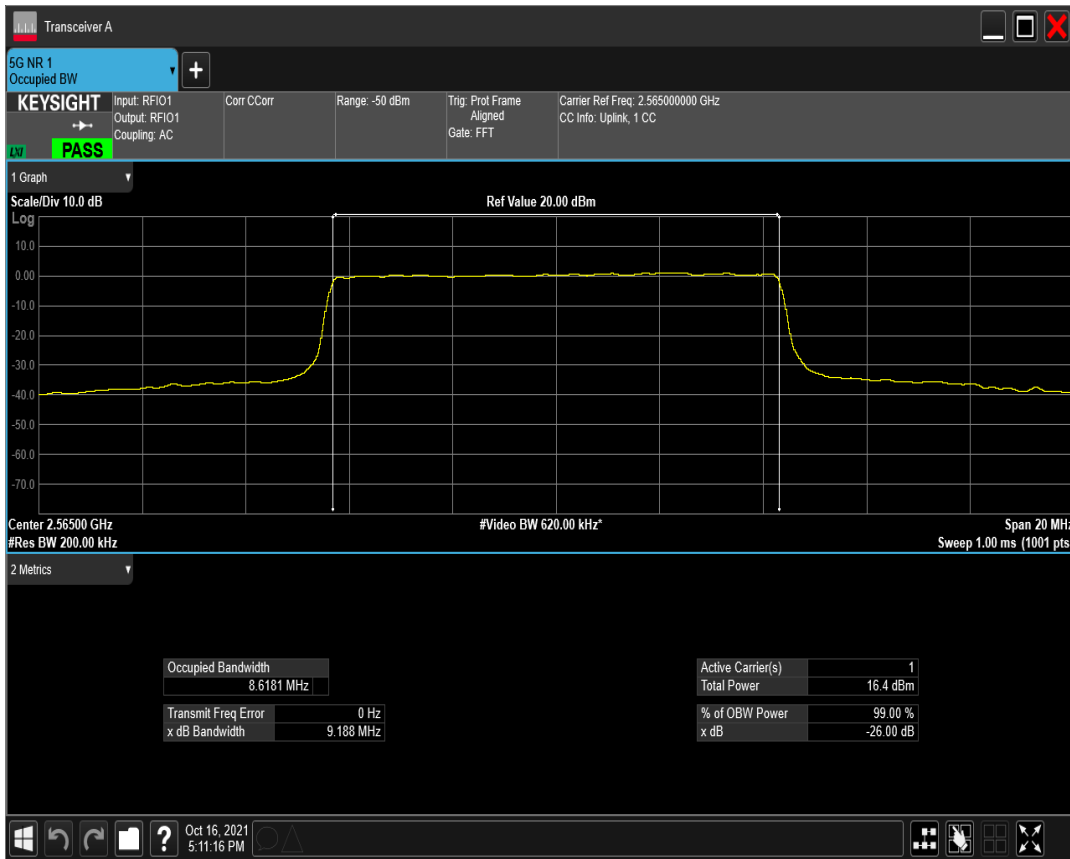
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n7 SCS=30kHz CP\_QPSK BW=10MHz Channel=513000 RB=24@0

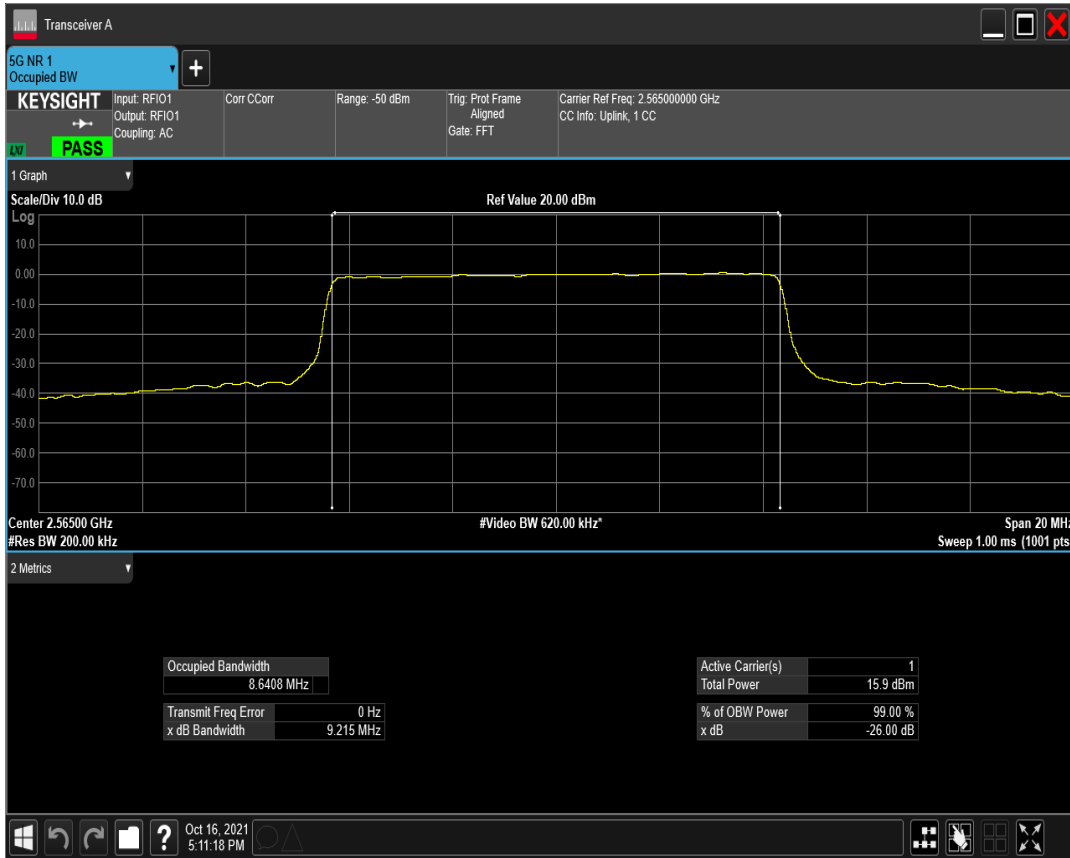


n7 SCS=30kHz CP\_QAM16 BW=10MHz Channel=513000 RB=24@0

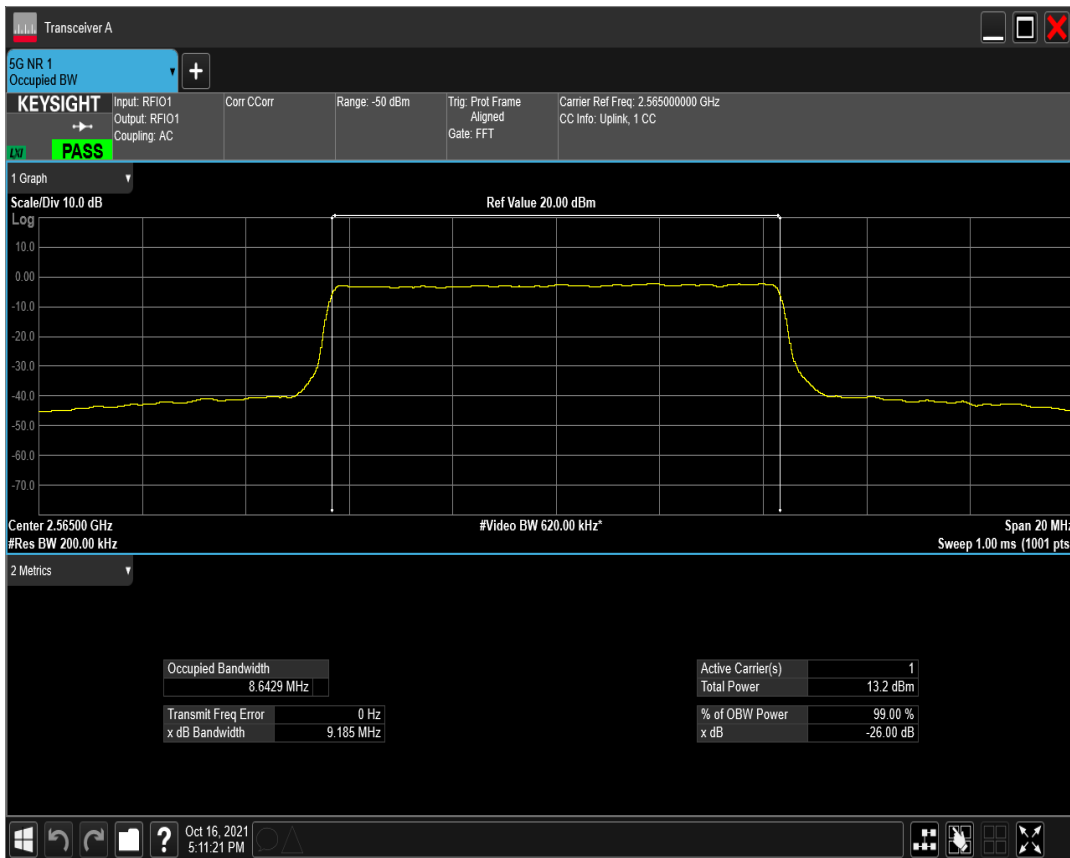


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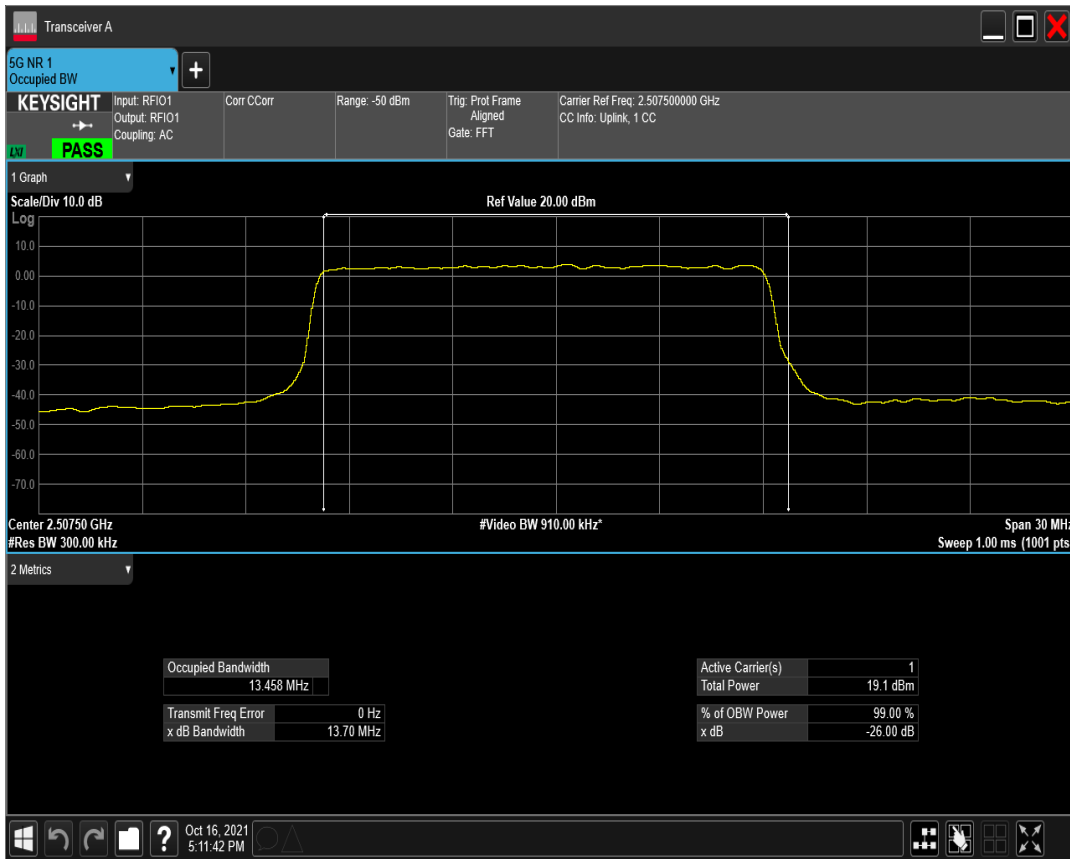




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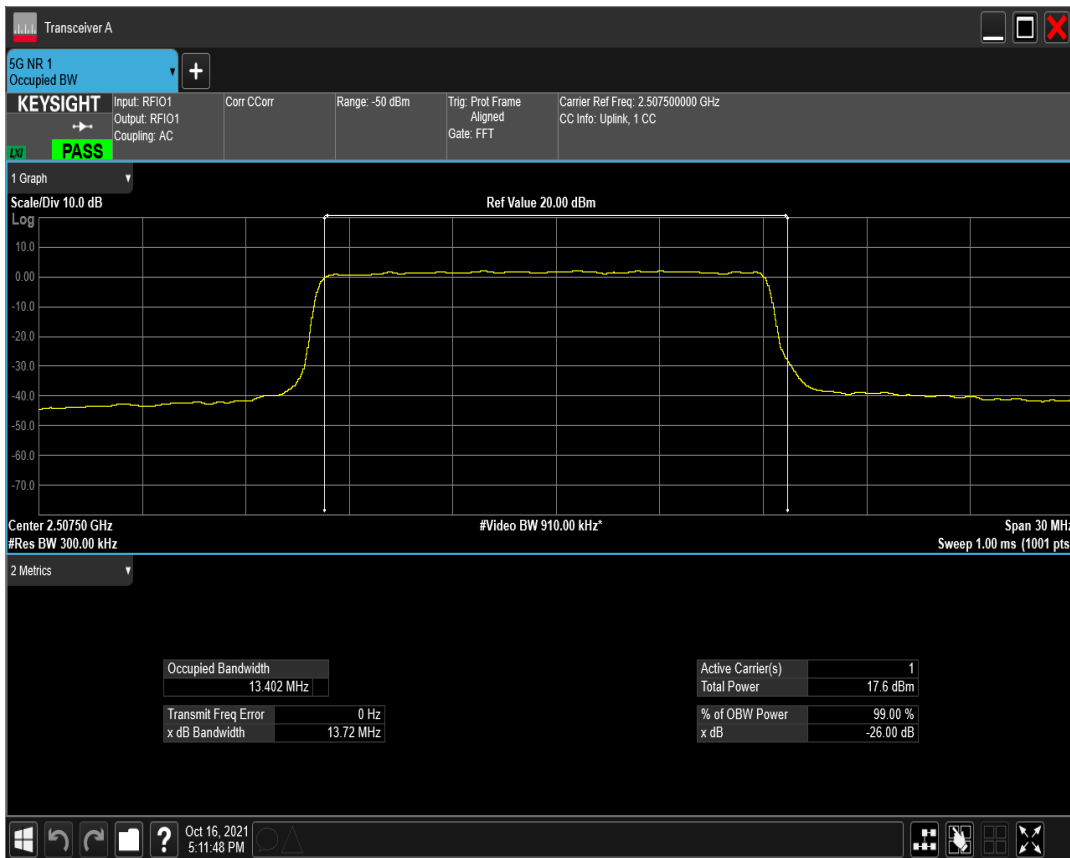
n7 SCS=30kHz DFT\_BPSK BW=15MHz Channel=501500 RB=36@0



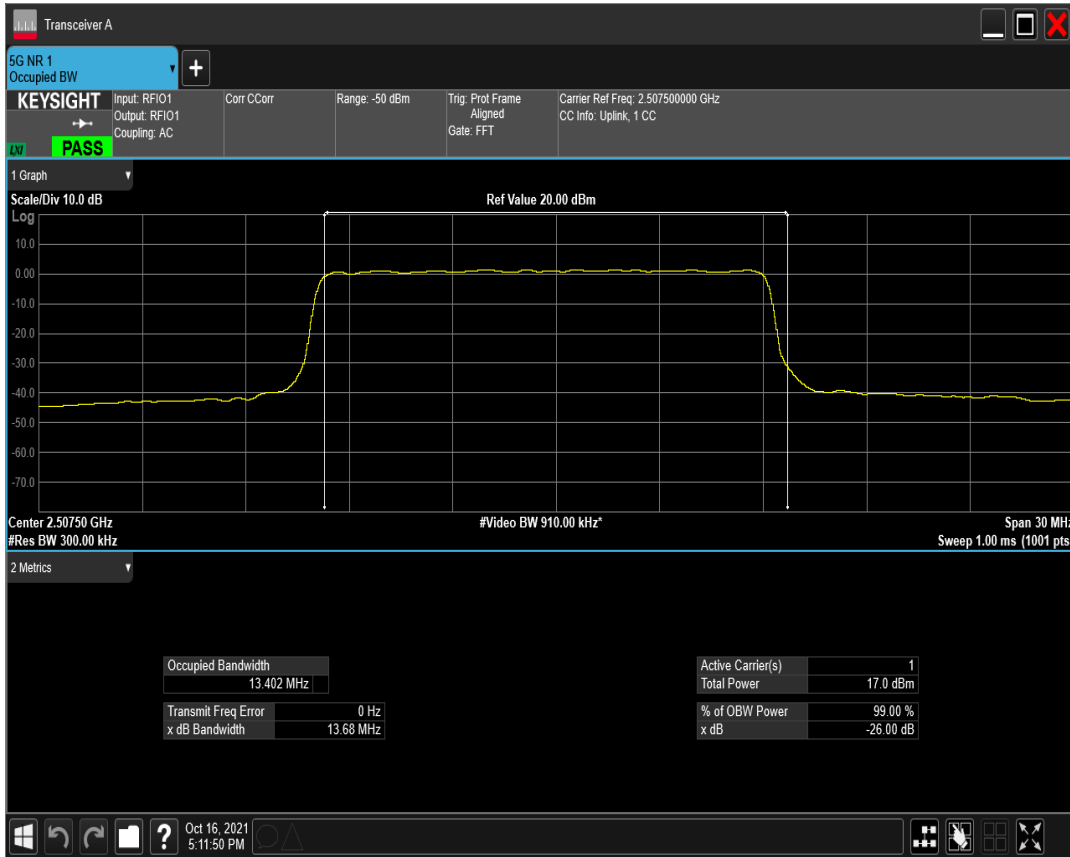
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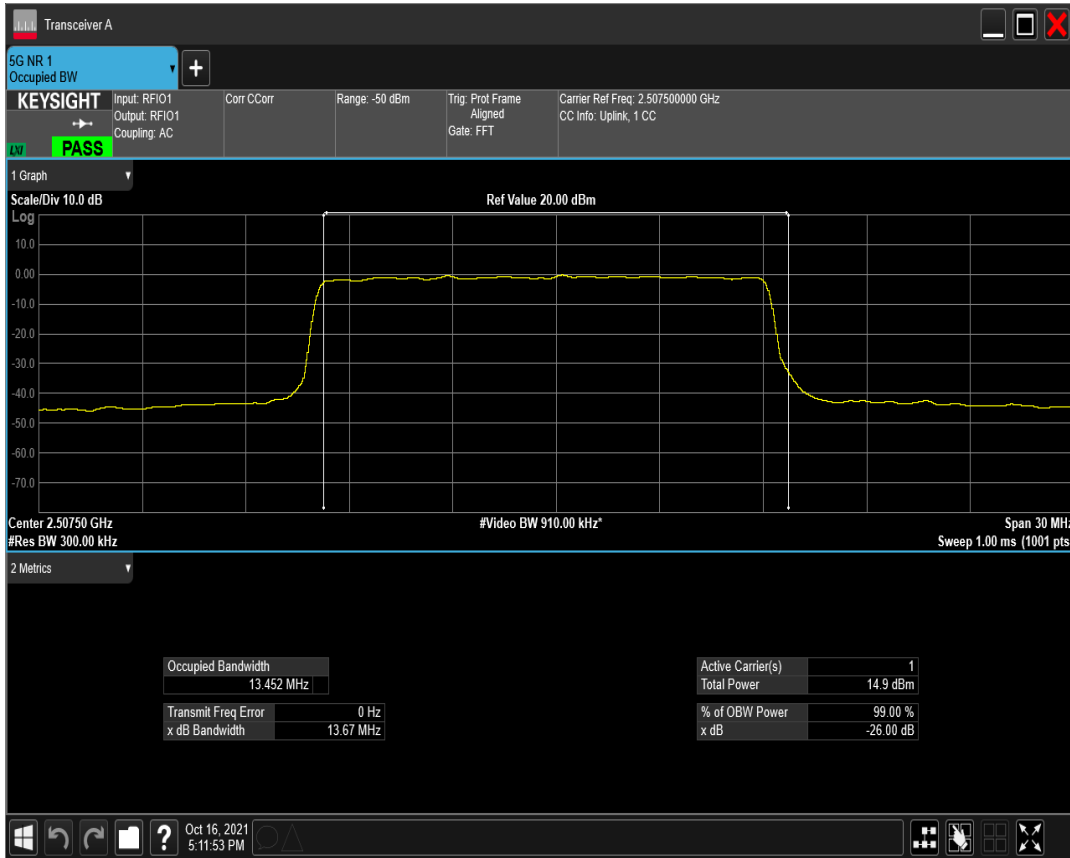
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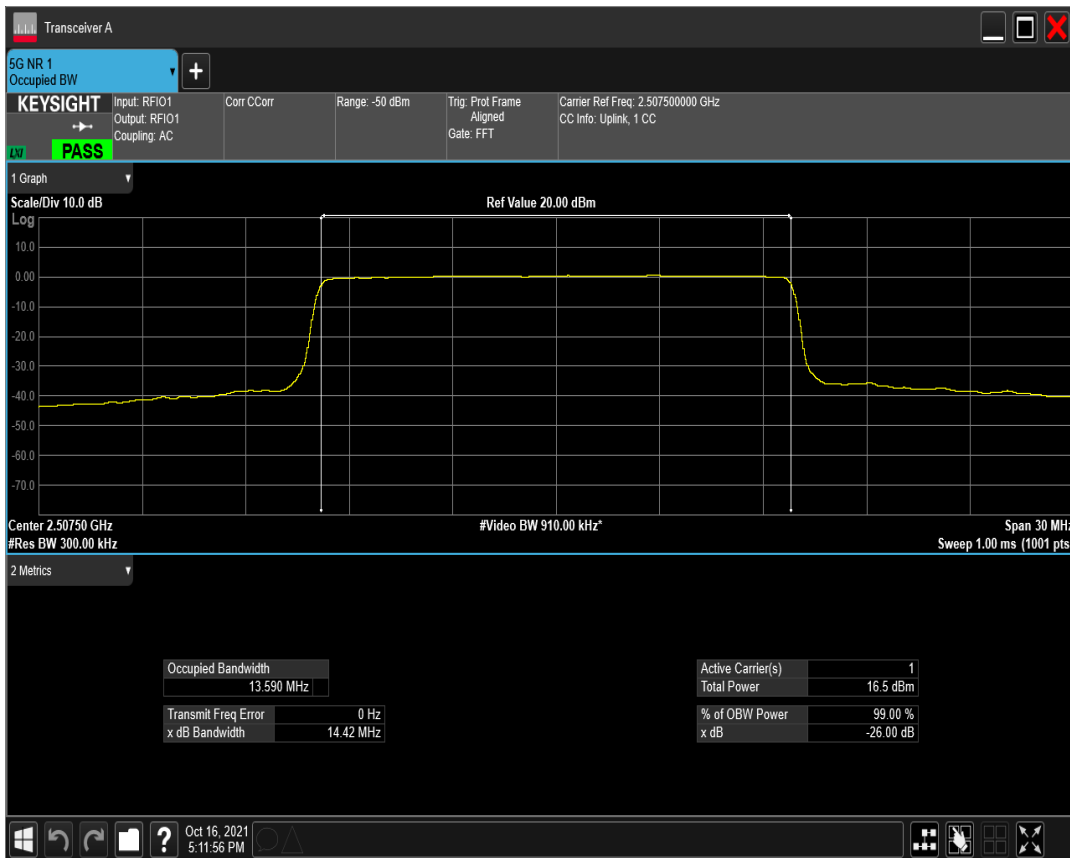
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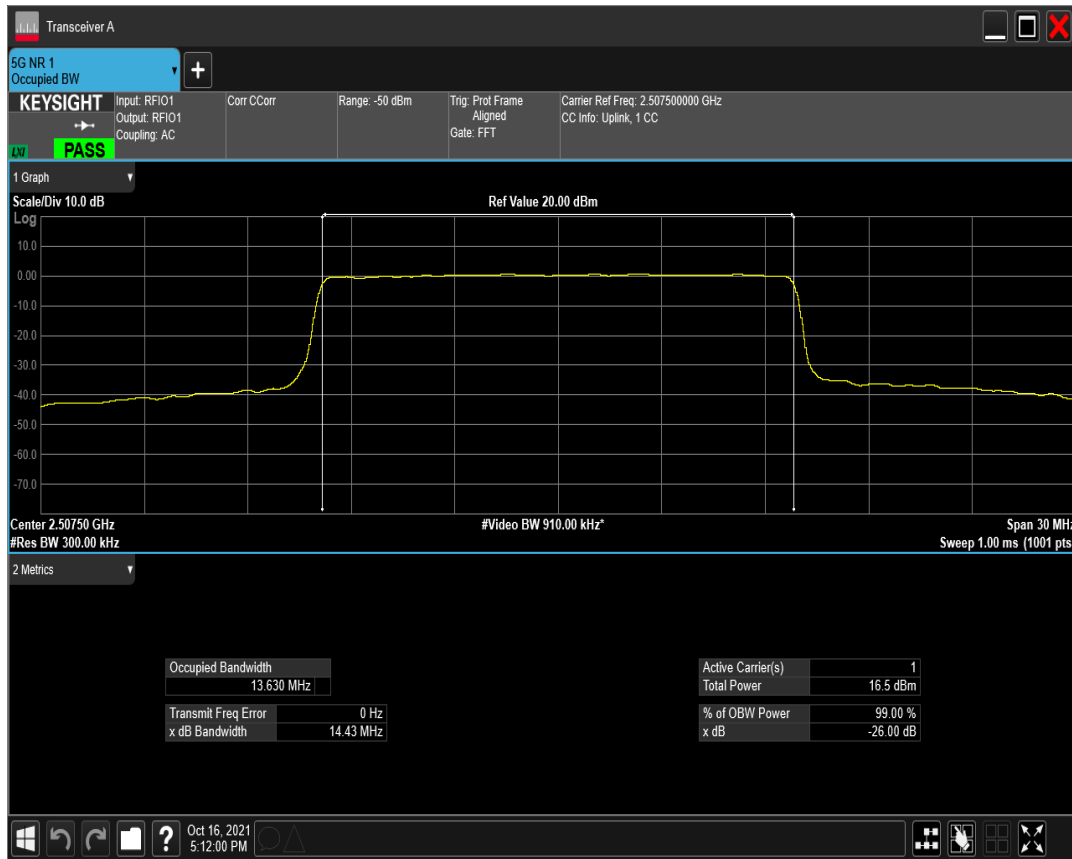
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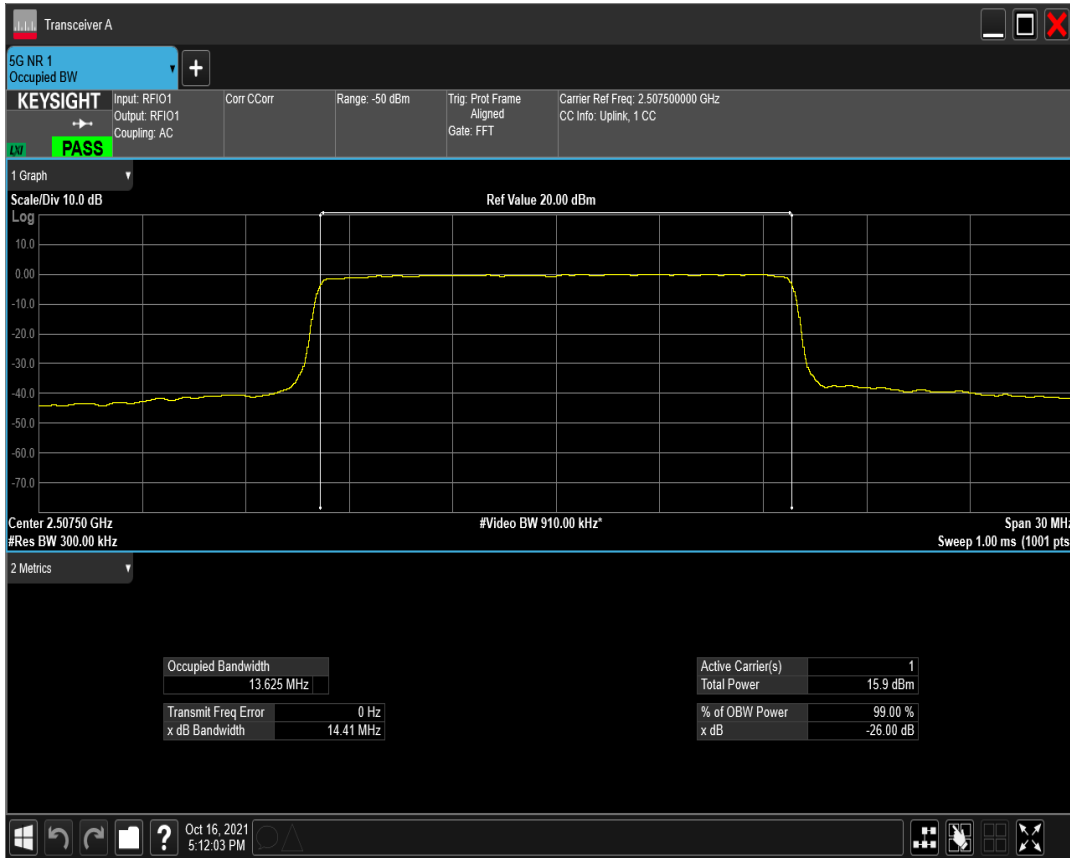
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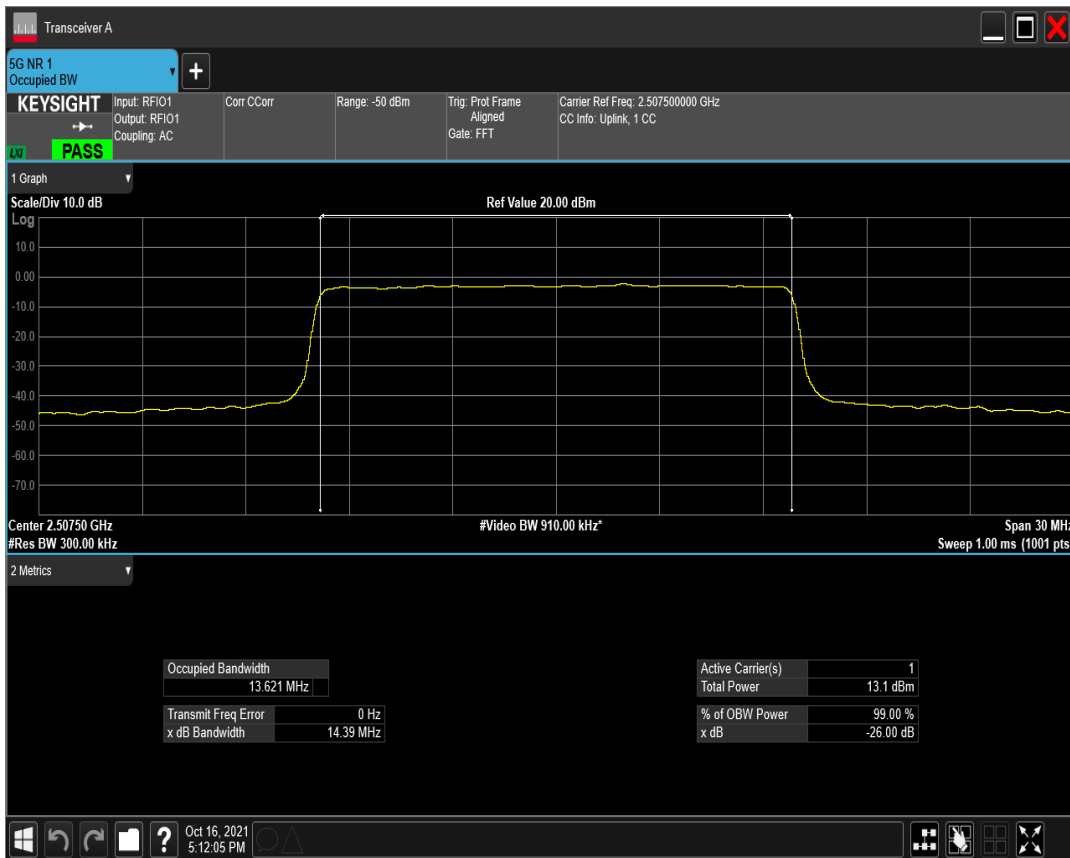
n7 SCS=30kHz CP\_QAM16 BW=15MHz Channel=501500 RB=38@0



n7 SCS=30kHz CP\_QAM64 BW=15MHz Channel=501500 RB=38@0



n7 SCS=30kHz CP\_QAM256 BW=15MHz Channel=501500 RB=38@0

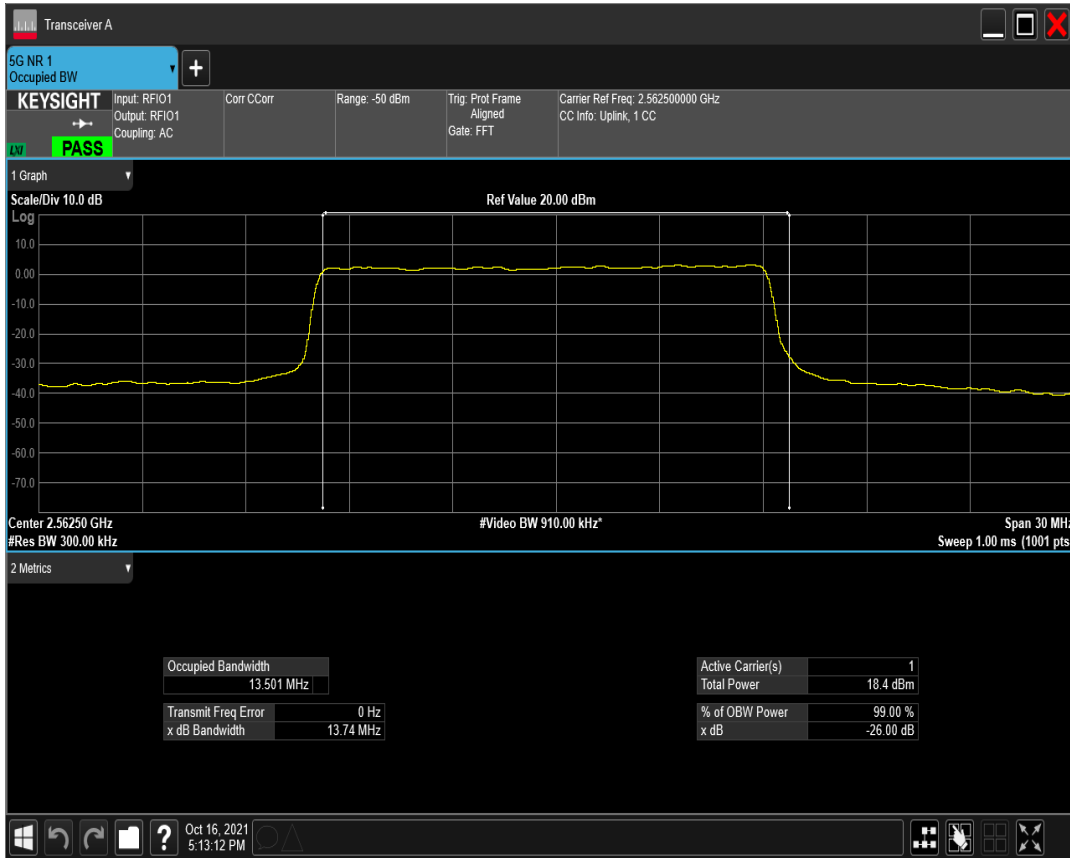


n7 SCS=30kHz DFT\_BPSK BW=15MHz Channel=512500 RB=36@0

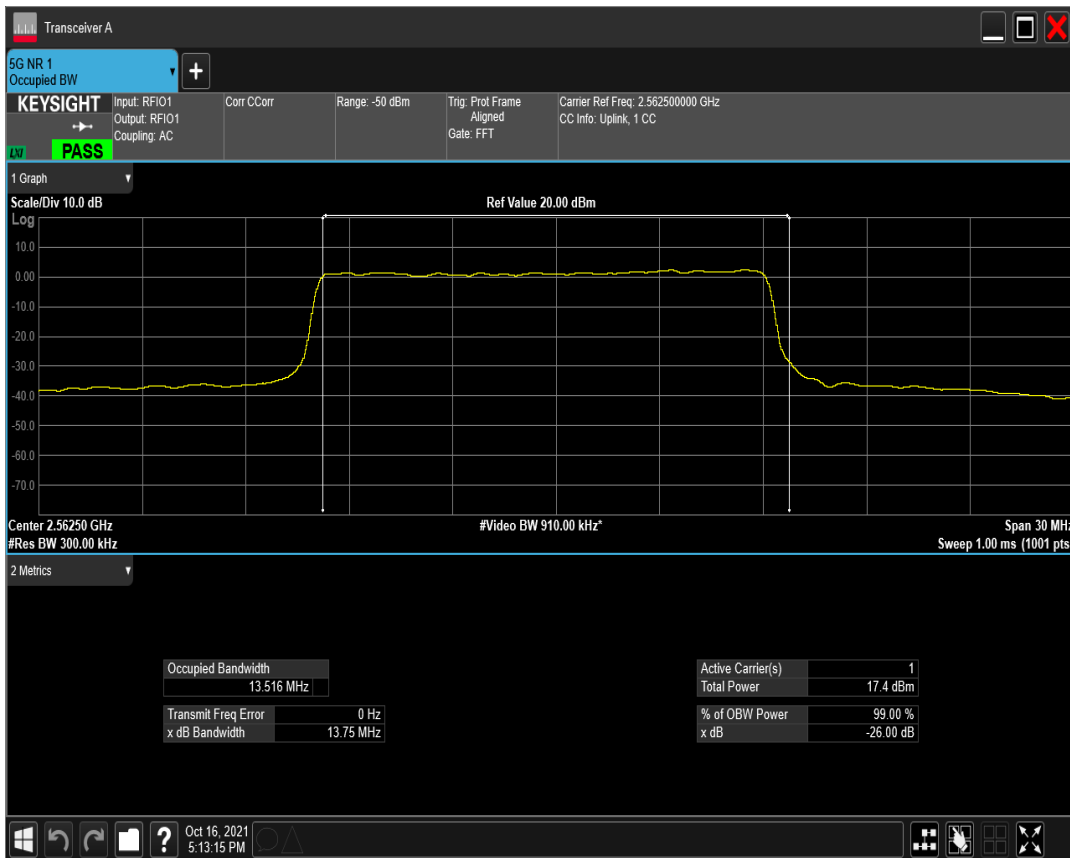


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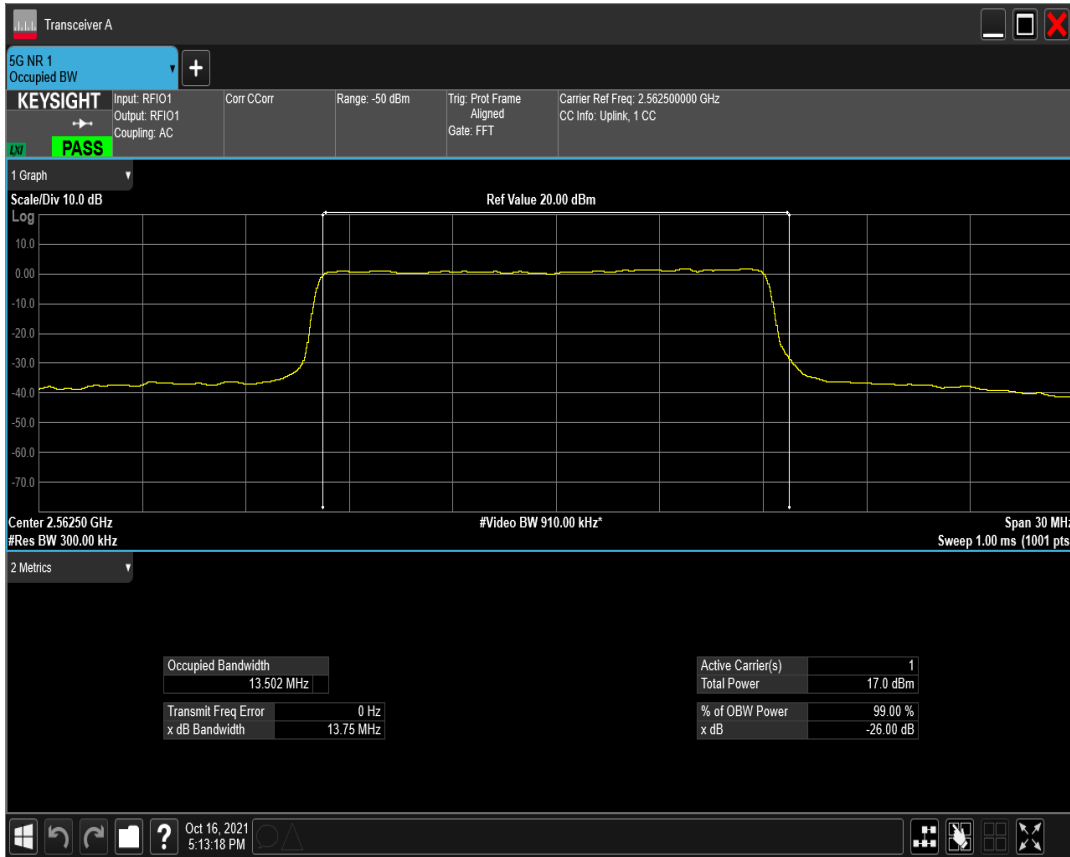




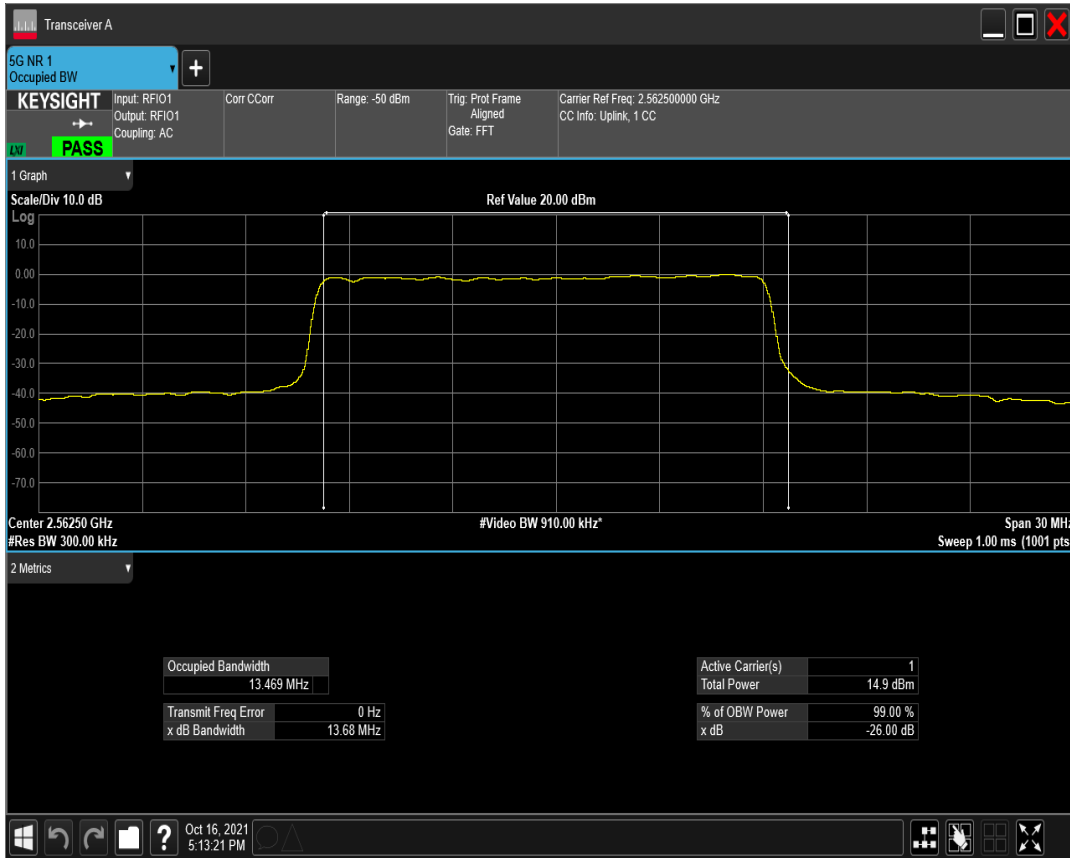
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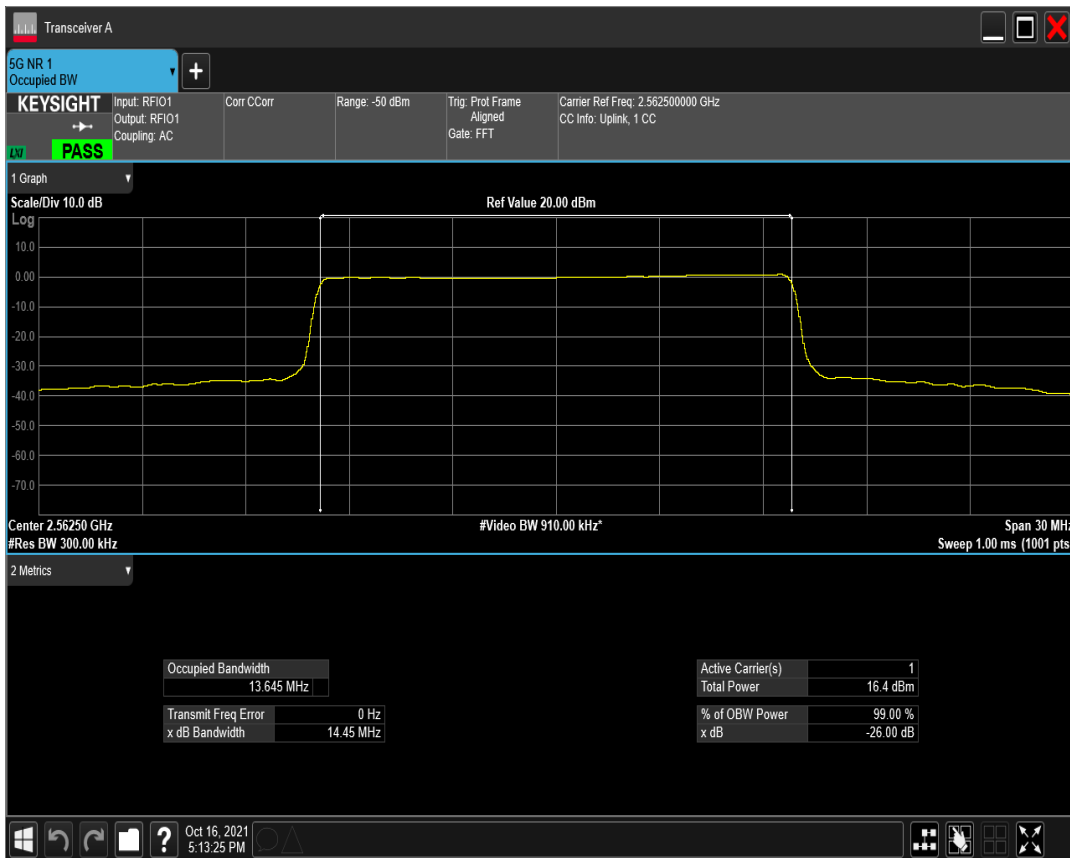
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n7 SCS=30kHz DFT\_QAM256 BW=15MHz Channel=512500 RB=36@0



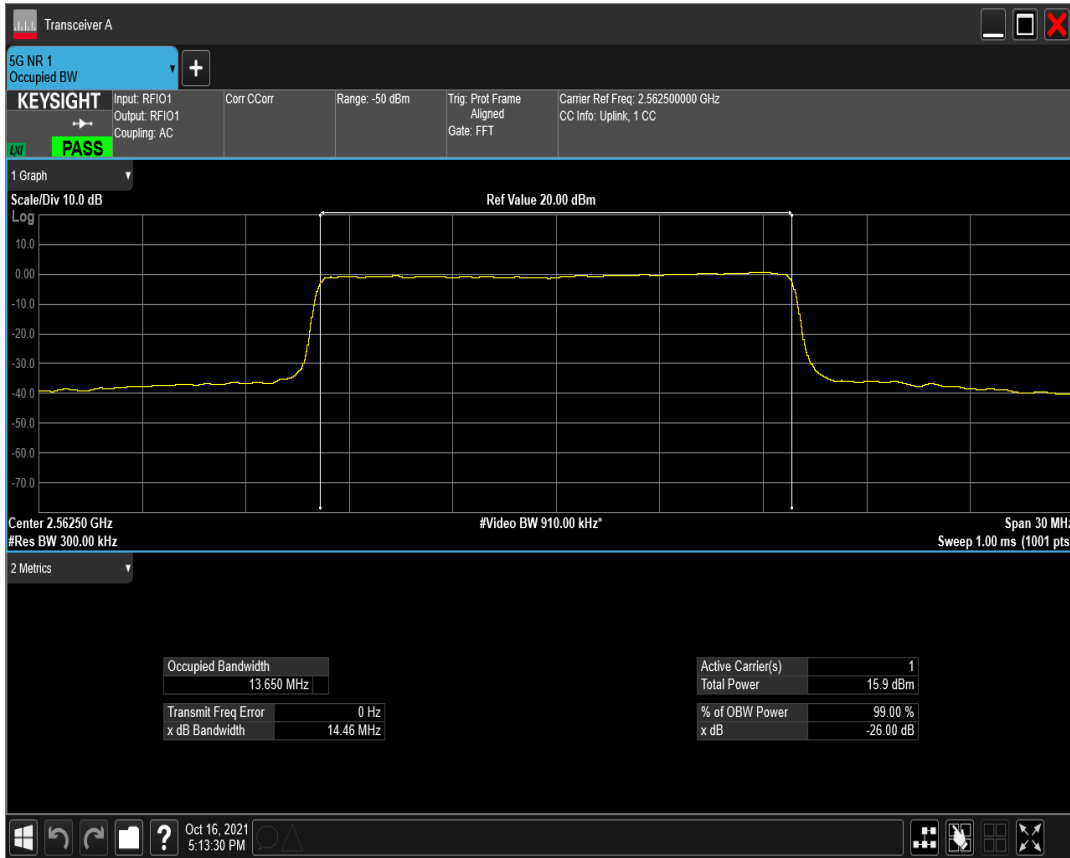
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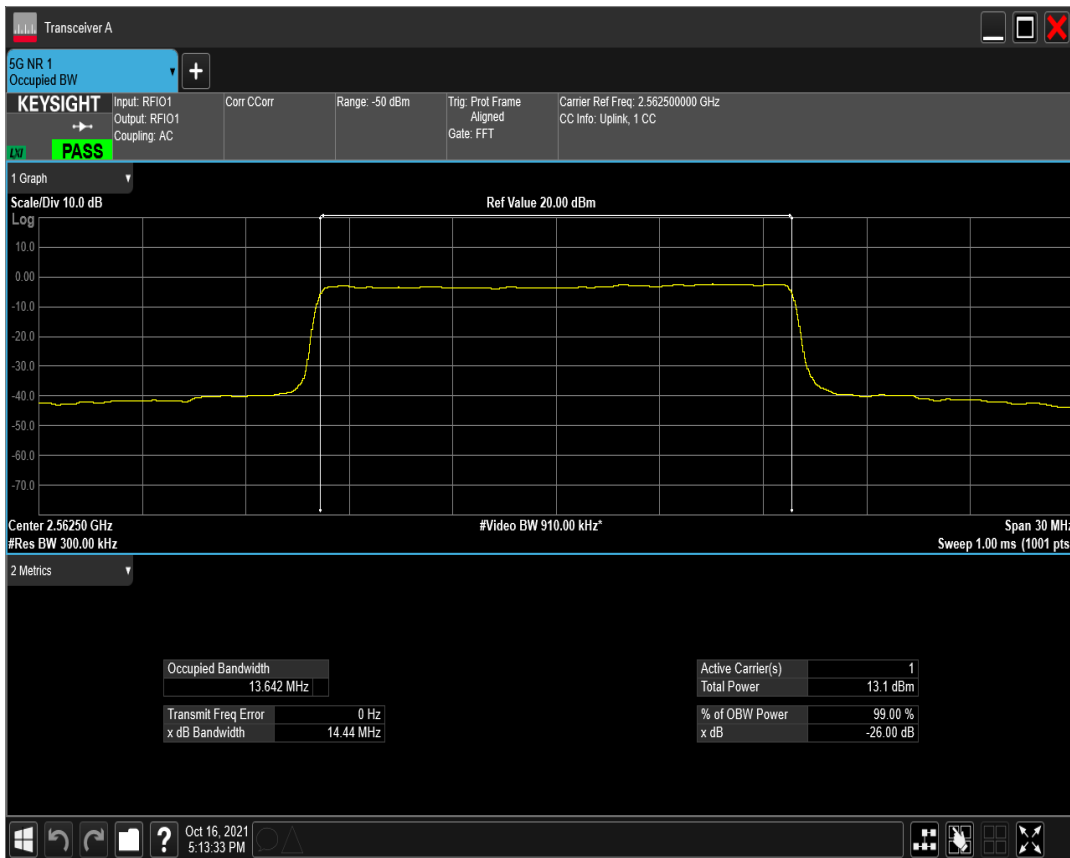
n7 SCS=30kHz CP\_QAM16 BW=15MHz Channel=512500 RB=38@0



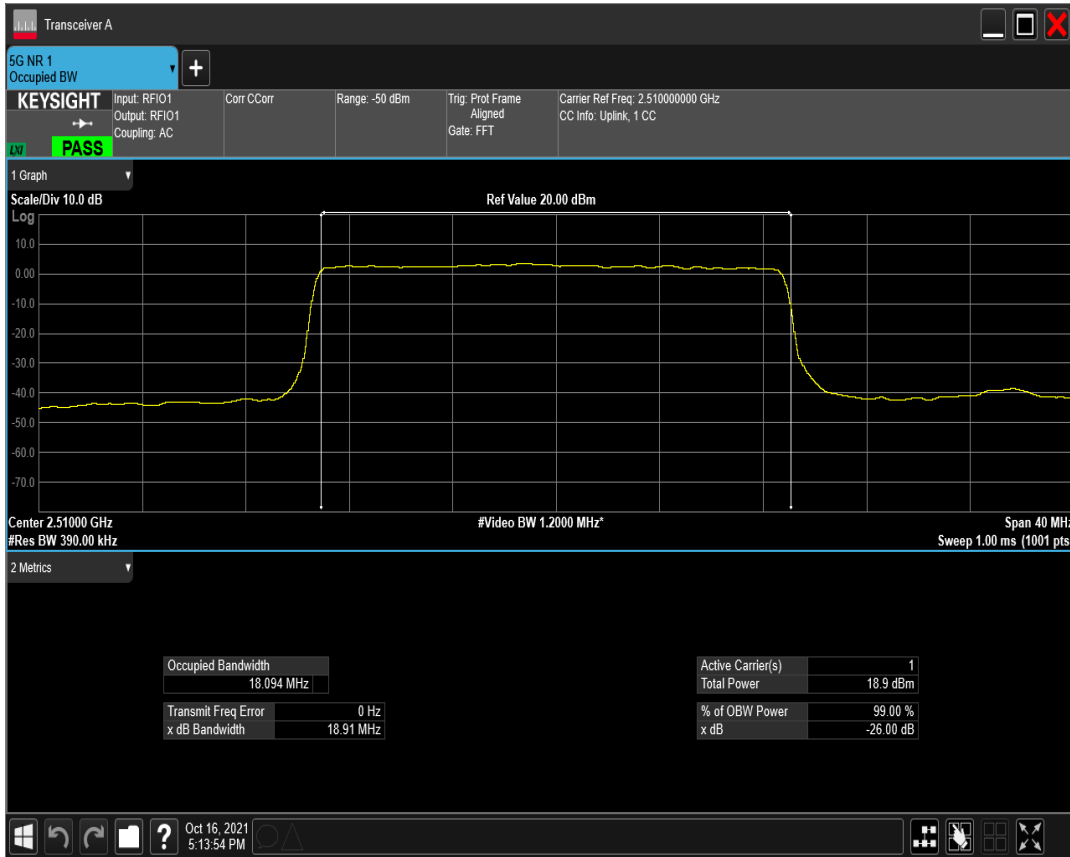
n7 SCS=30kHz CP\_QAM64 BW=15MHz Channel=512500 RB=38@0



n7 SCS=30kHz CP\_QAM256 BW=15MHz Channel=512500 RB=38@0



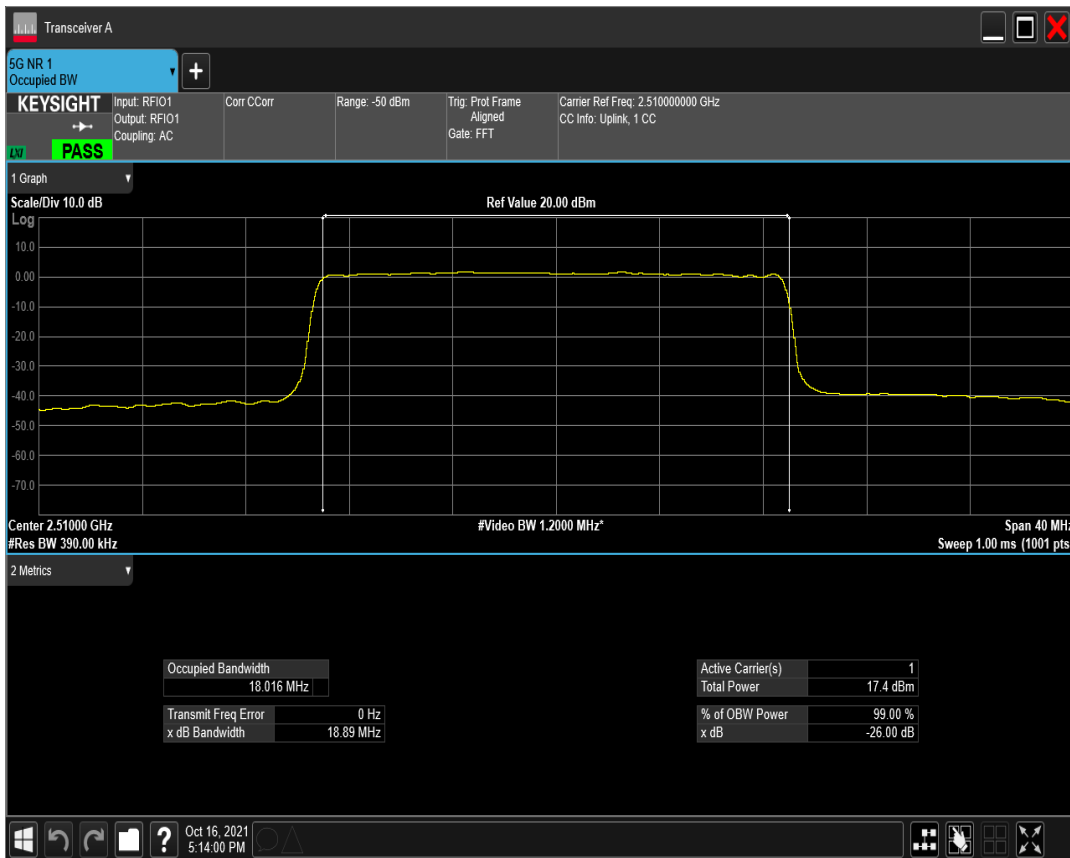
n7 SCS=30kHz DFT\_BPSK BW=20MHz Channel=502000 RB=50@0



n7 SCS=30kHz DFT\_QPSK BW=20MHz Channel=502000 RB=50@0



n7 SCS=30kHz DFT\_QAM16 BW=20MHz Channel=502000 RB=50@0

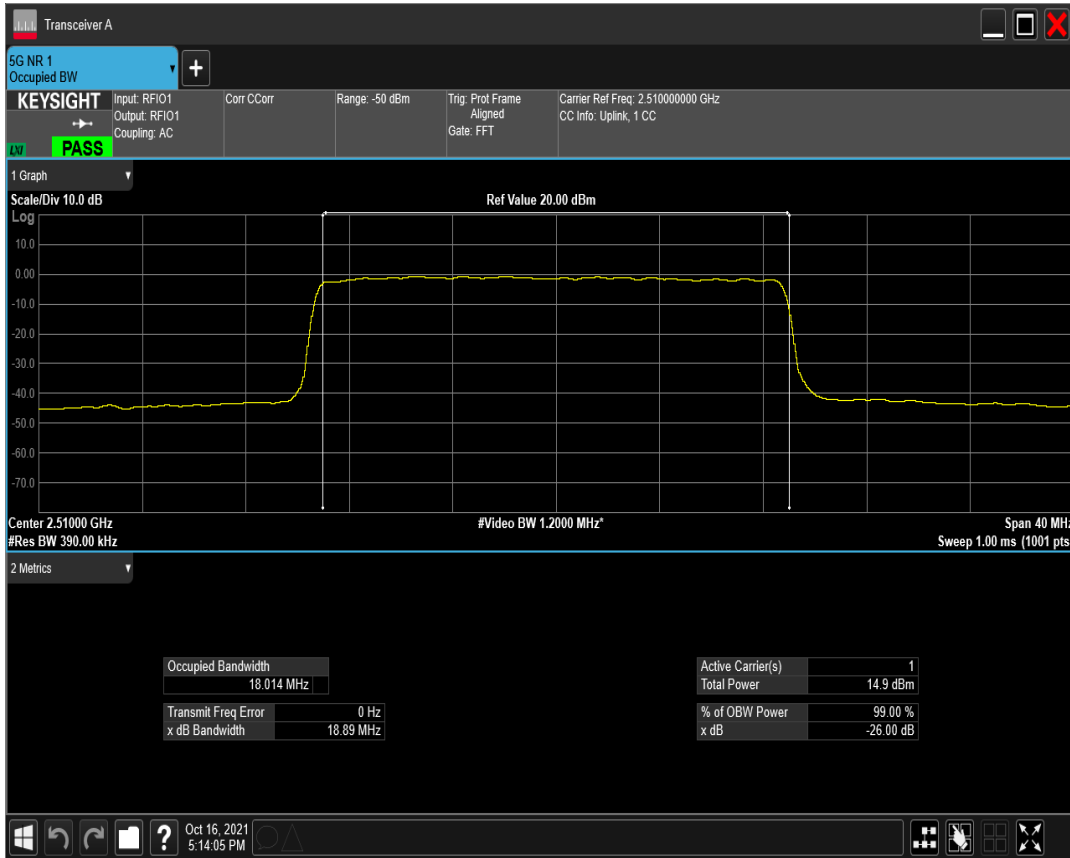


n7 SCS=30kHz DFT\_QAM64 BW=20MHz Channel=502000 RB=50@0

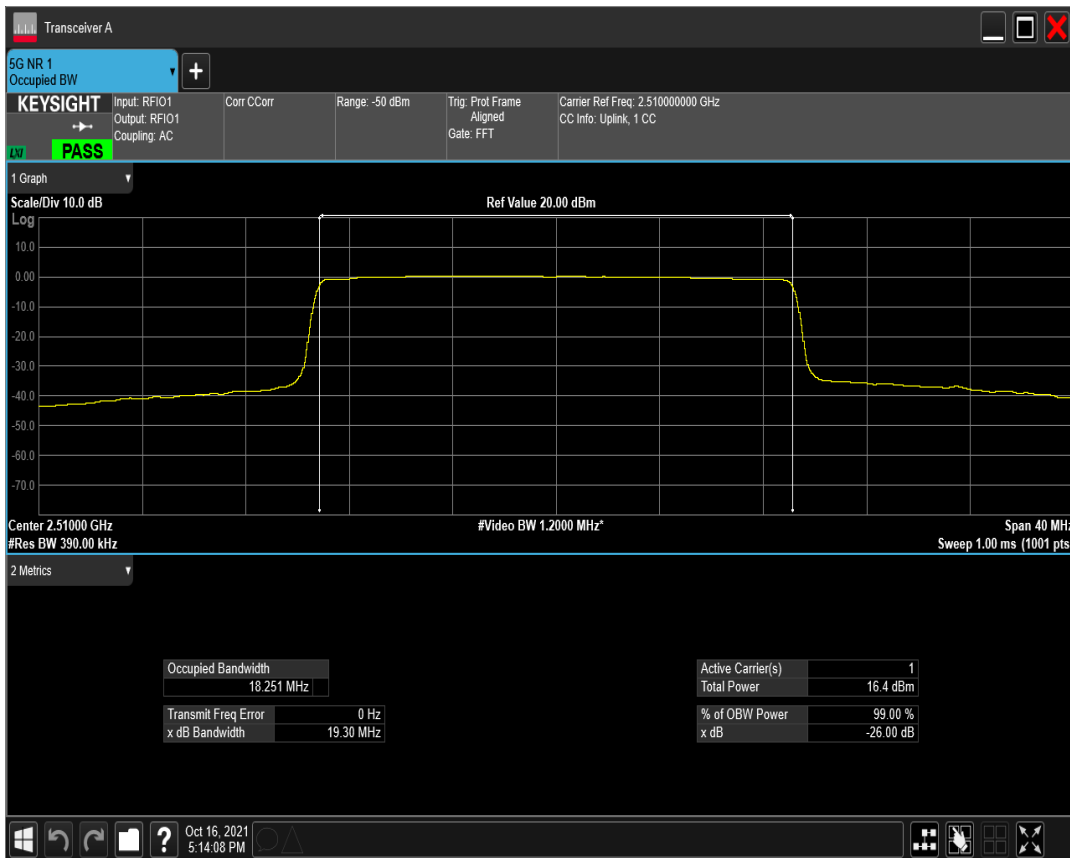


n7 SCS=30kHz DFT\_QAM256 BW=20MHz Channel=502000 RB=50@0

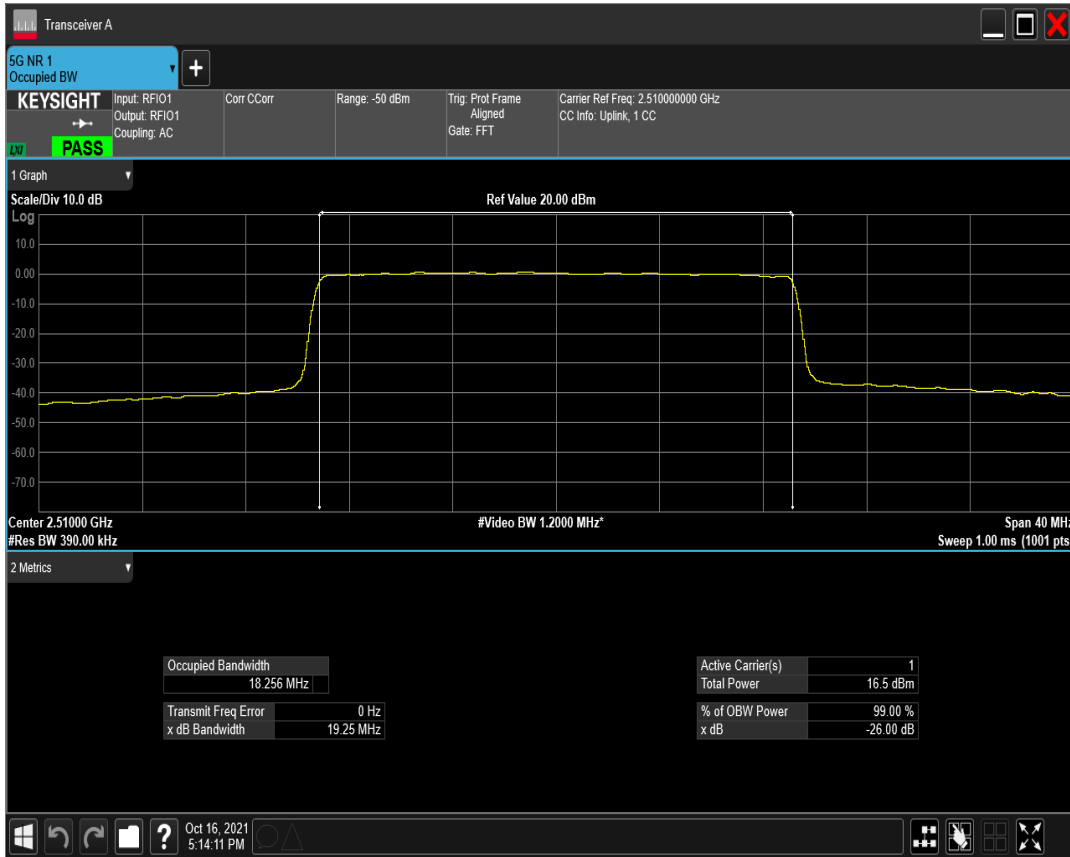




n7 SCS=30kHz CP\_QPSK BW=20MHz Channel=502000 RB=51 @0



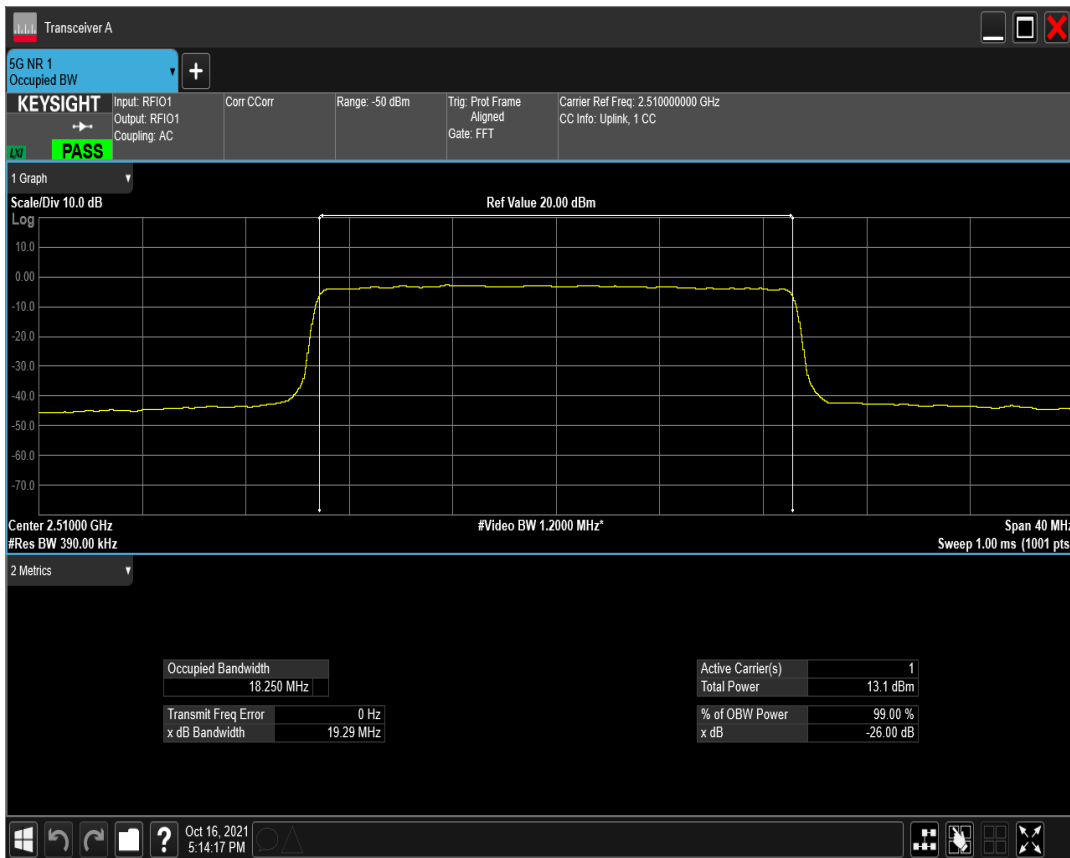
n7 SCS=30kHz CP\_QAM16 BW=20MHz Channel=502000 RB=51 @0



n7 SCS=30kHz CP\_QAM64 BW=20MHz Channel=502000 RB=51 @0



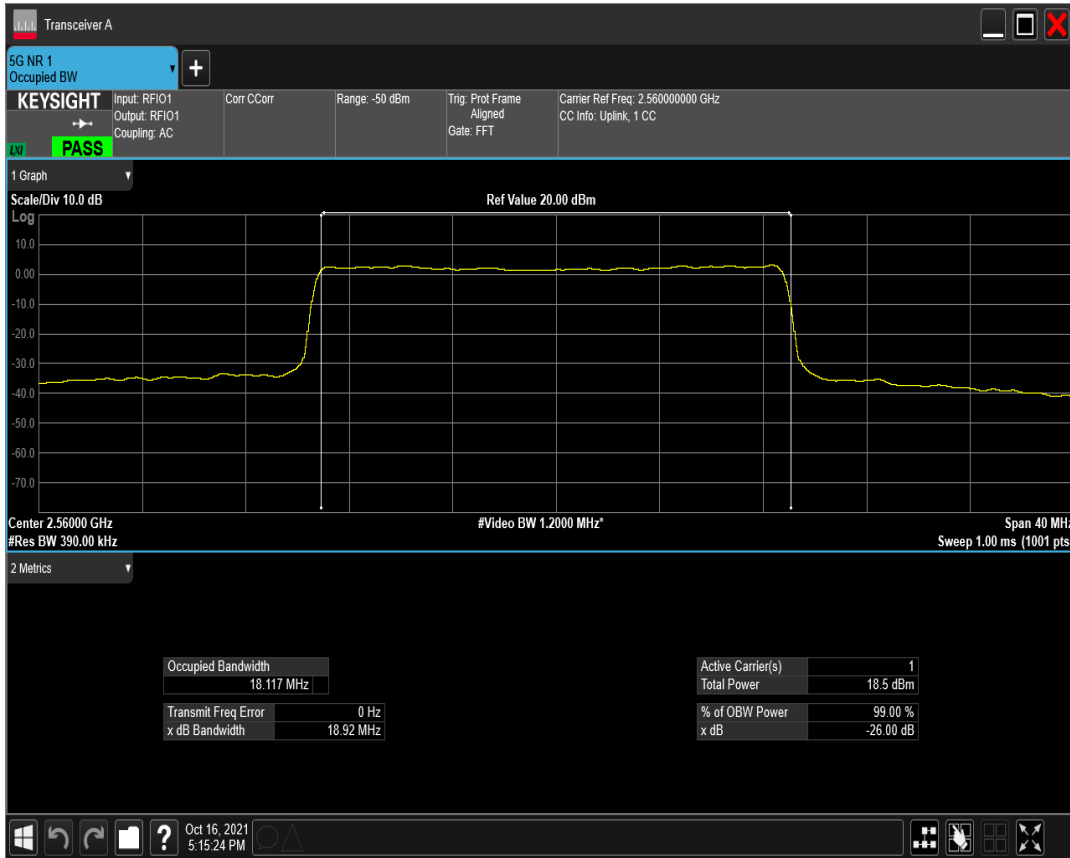
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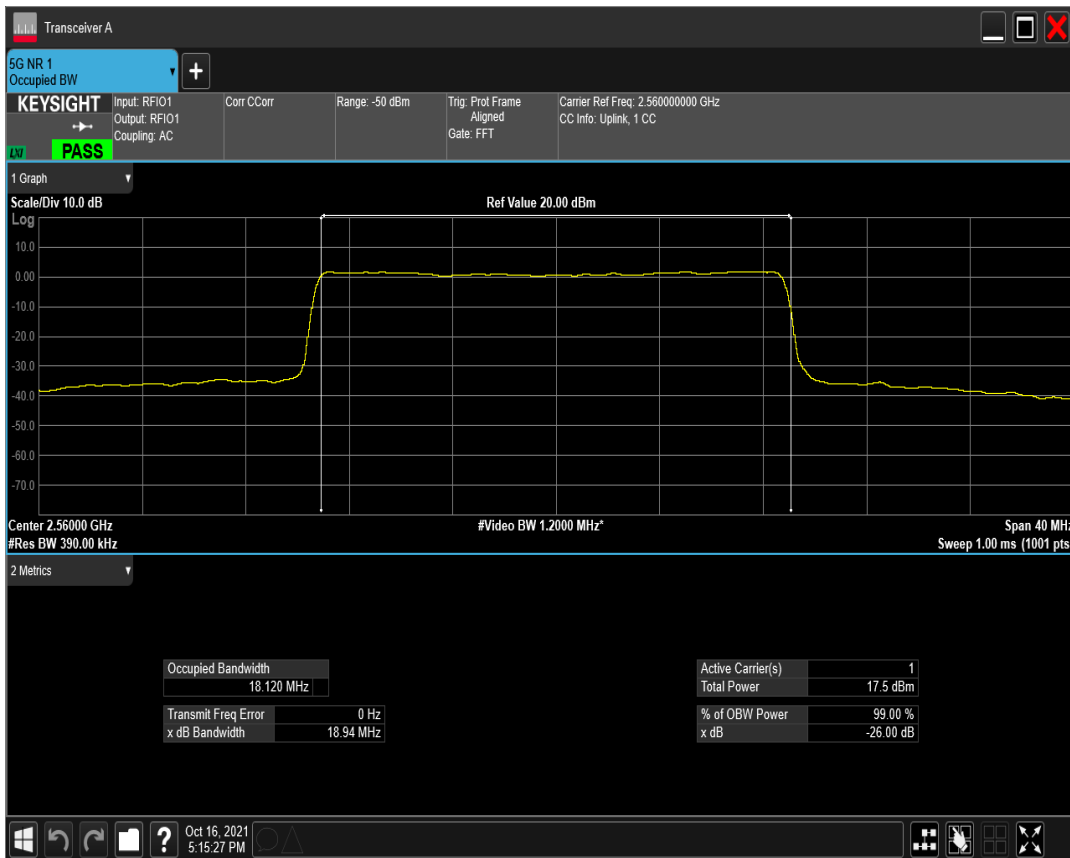
n7 SCS=30kHz DFT\_BPSK BW=20MHz Channel=512000 RB=50@0



n7 SCS=30kHz DFT\_QPSK BW=20MHz Channel=512000 RB=50@0



n7 SCS=30kHz DFT\_QAM16 BW=20MHz Channel=512000 RB=50@0



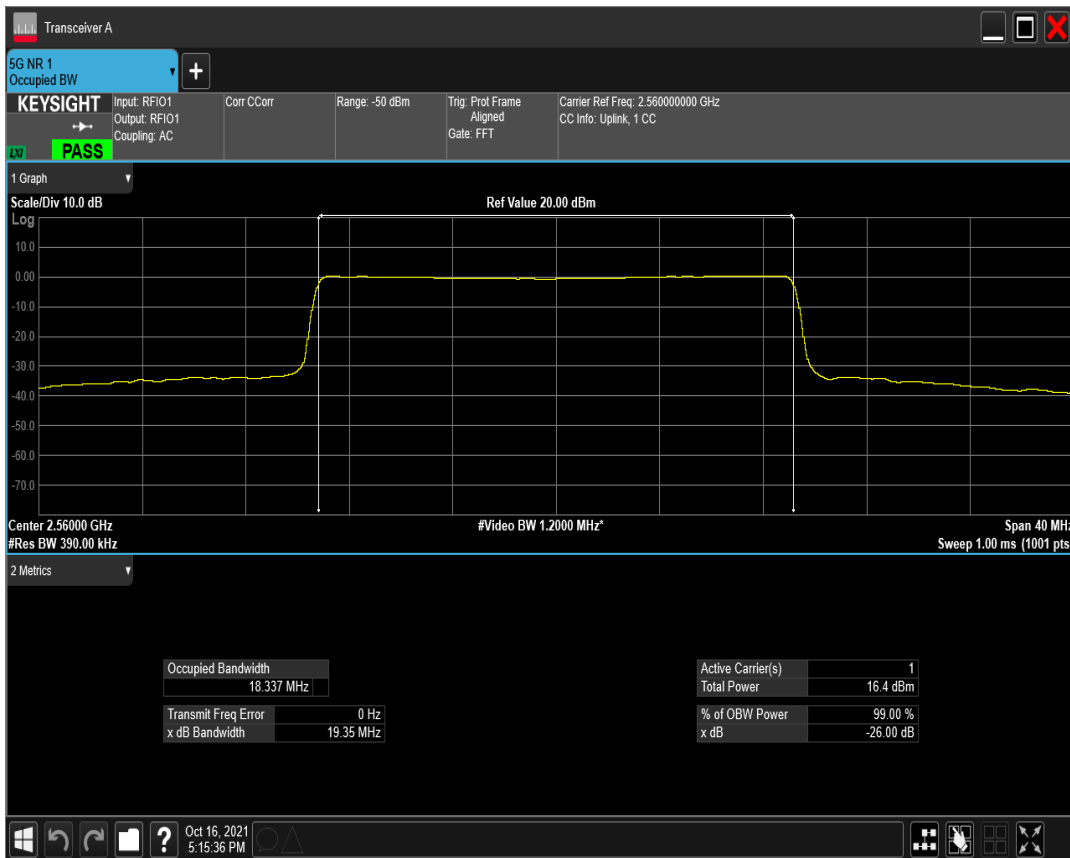
n7 SCS=30kHz DFT\_QAM64 BW=20MHz Channel=512000 RB=50@0



n7 SCS=30kHz DFT\_QAM256 BW=20MHz Channel=512000 RB=50@0



n7 SCS=30kHz CP\_QPSK BW=20MHz Channel=512000 RB=51 @0

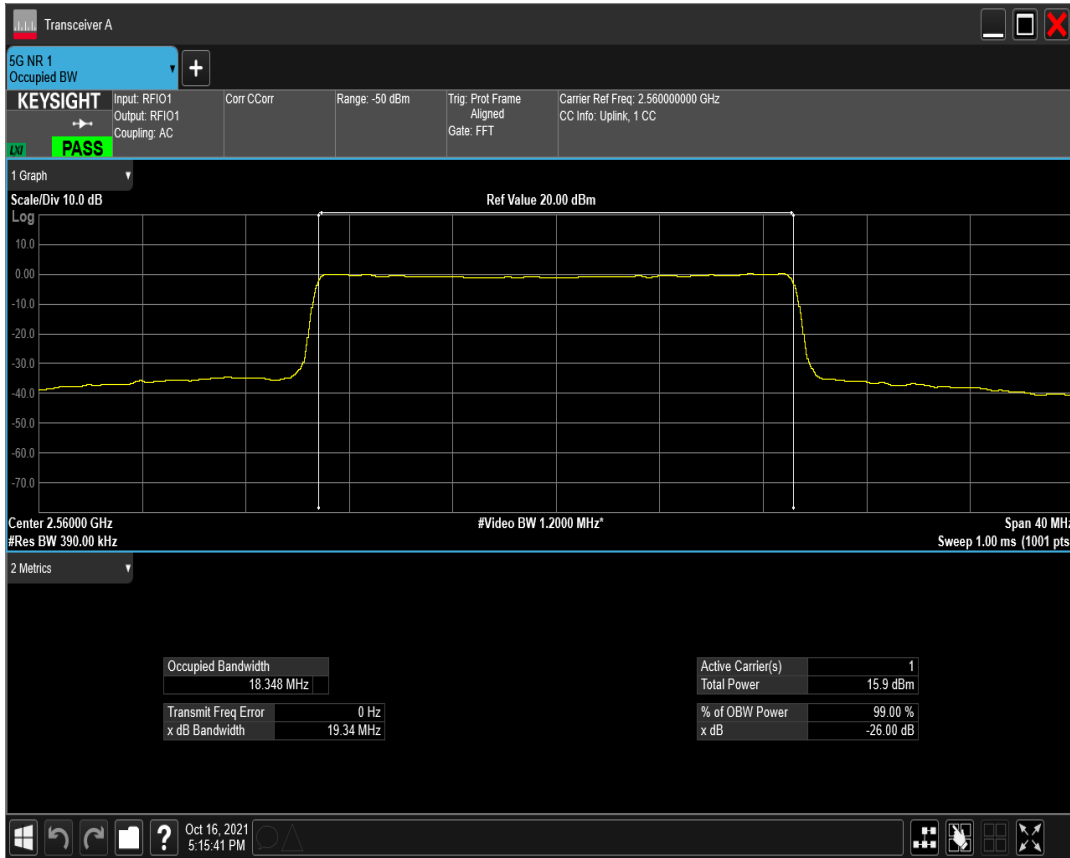


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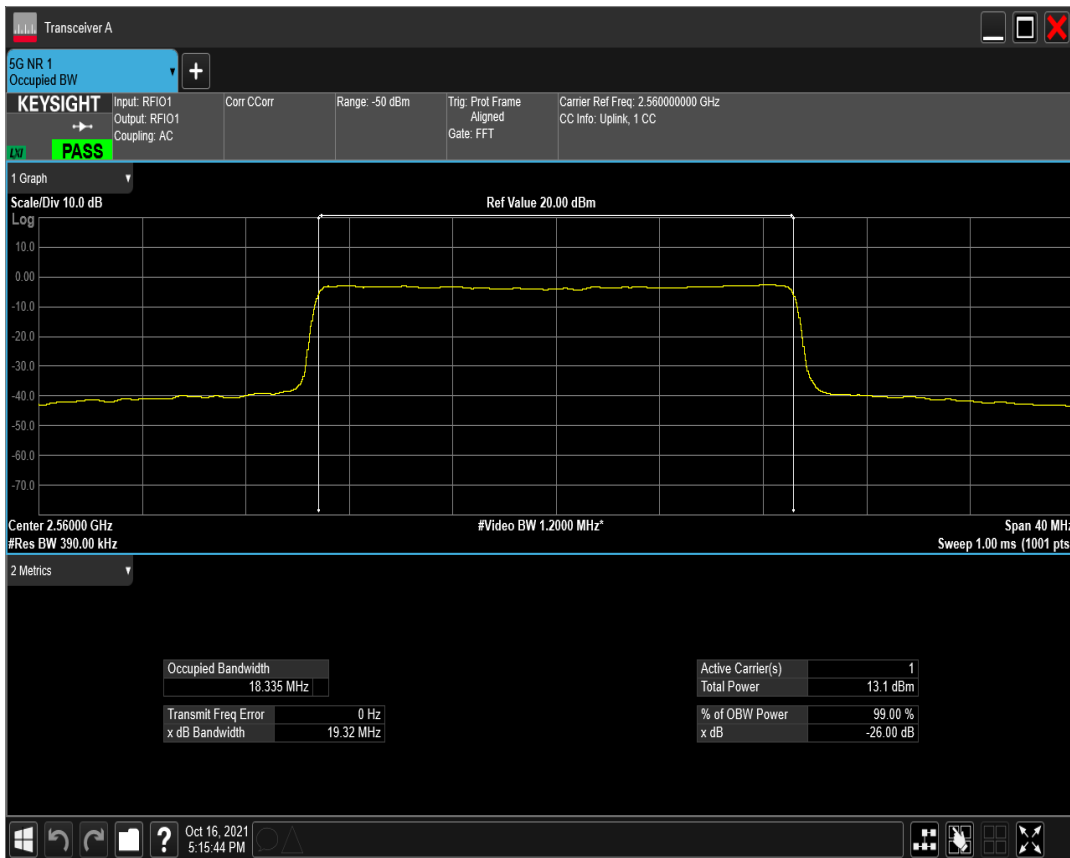


n7 SCS=30kHz CP\_QAM64 BW=20MHz Channel=512000 RB=51 @0





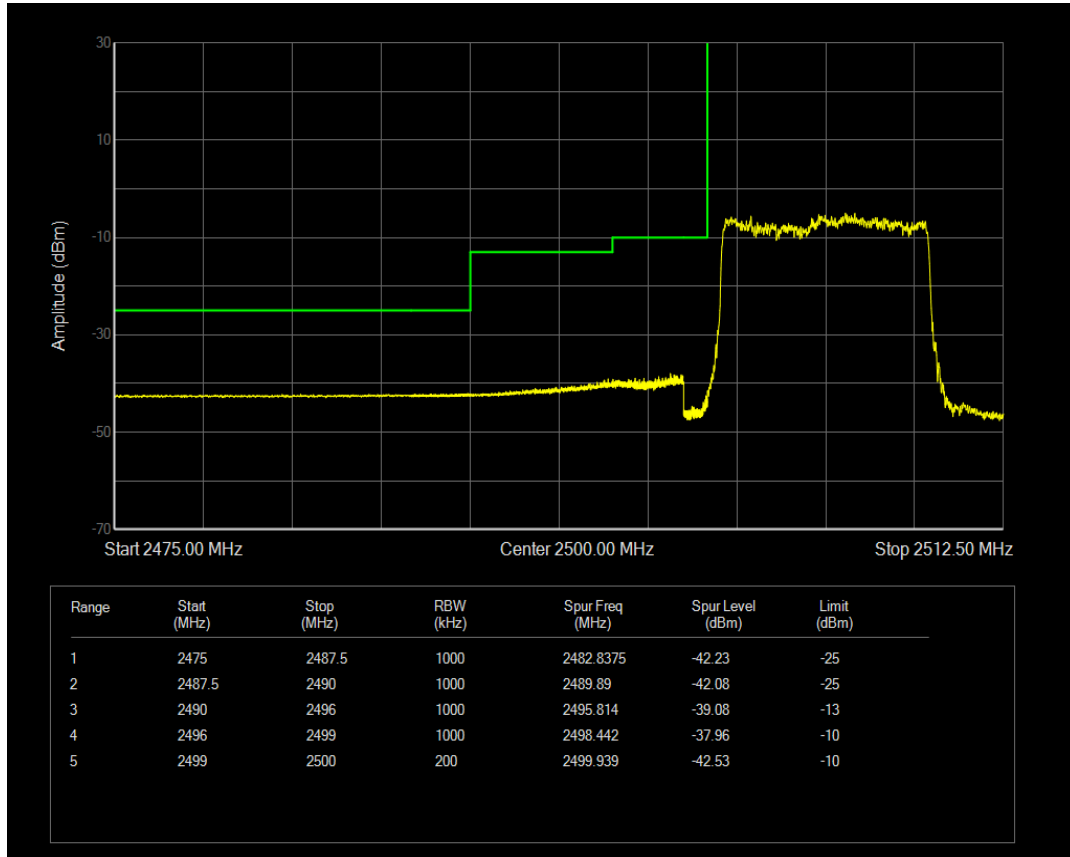
n7 SCS=30kHz CP\_QAM256 BW=20MHz Channel=512000 RB=51 @0



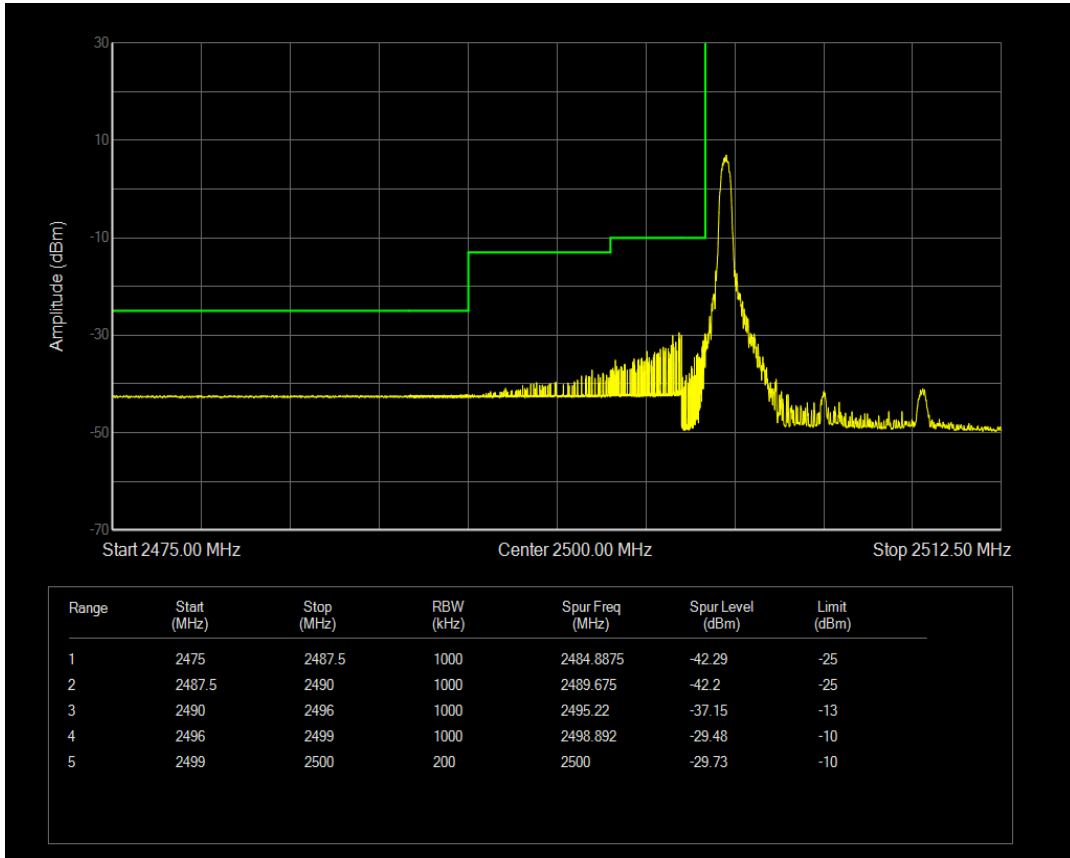
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n7	30	10	501000	24@0	DFT_QPSK	2489.89	-42.08	-25	PASS
n7	30	10	501000	1@0	DFT_QPSK	2489.68	-42.20	-25	PASS
n7	30	10	513000	24@0	DFT_QPSK	2580.42	-41.69	-25	PASS
n7	30	10	513000	1@23	DFT_QPSK	2580.03	-42.12	-25	PASS

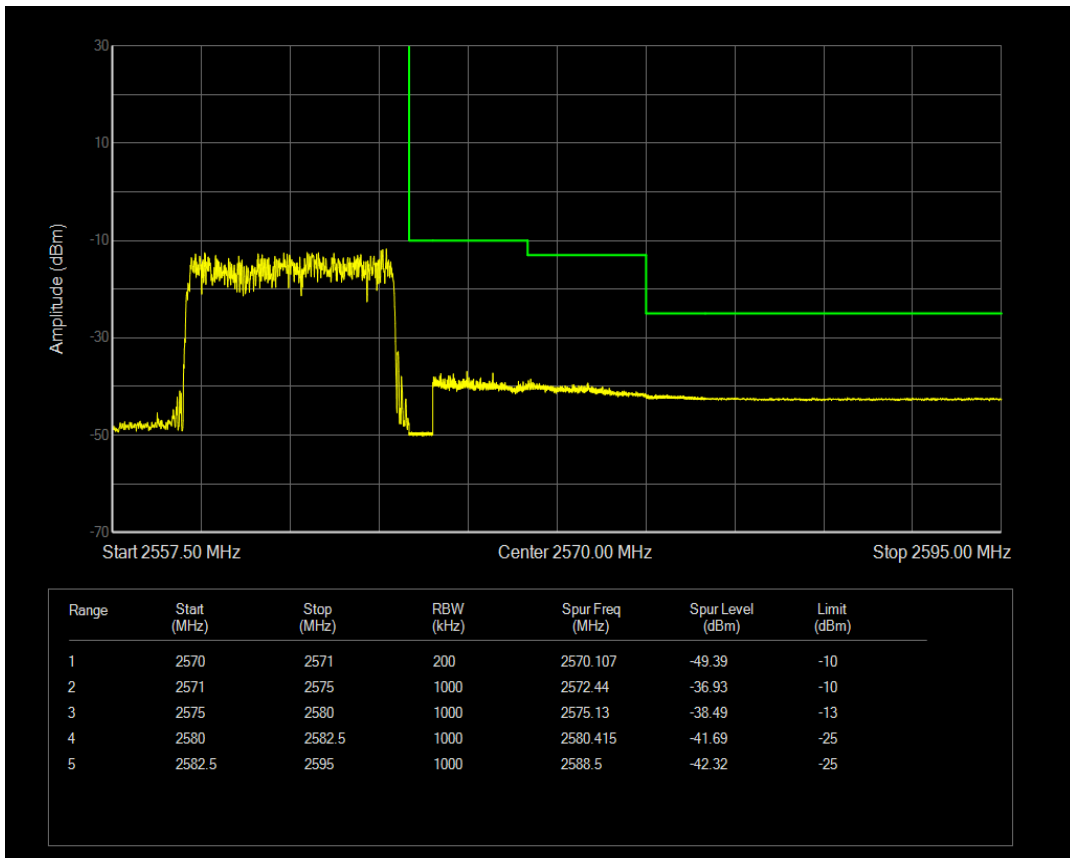
n7 SCS=30kHz DFT\_QPSK BW=10MHz Channel=501000 RB=24@0



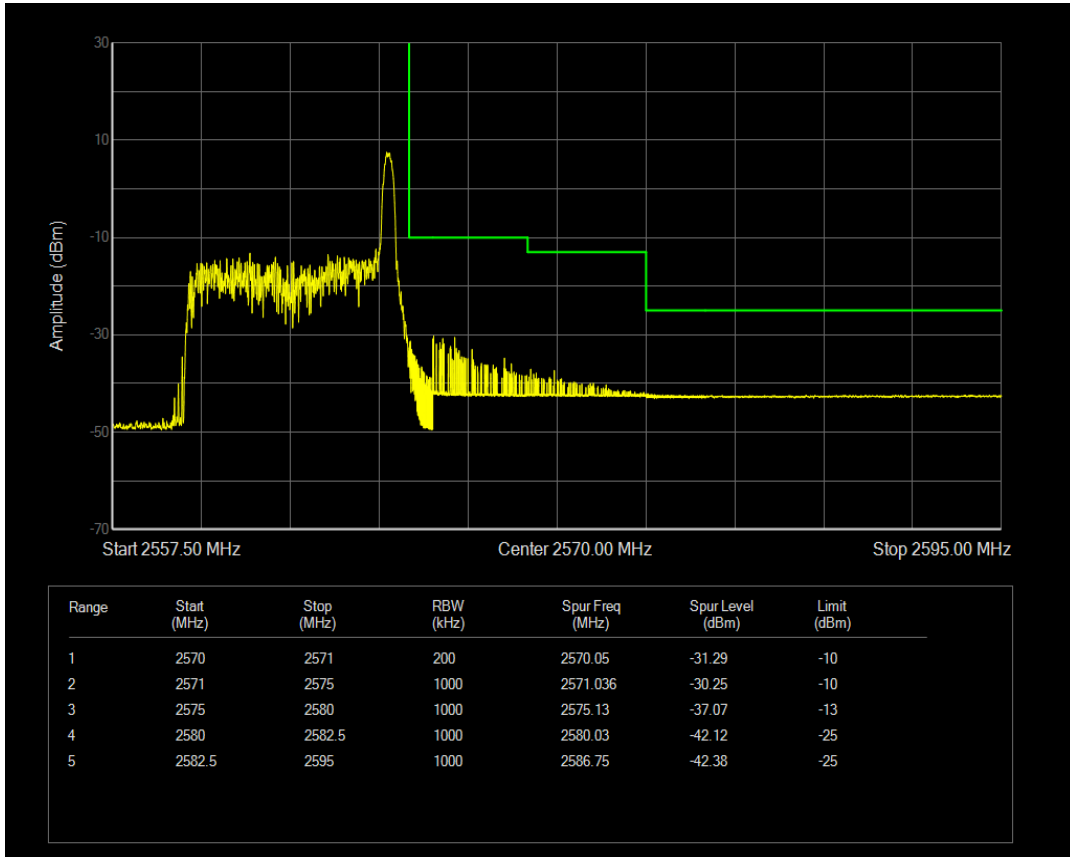
n7 SCS=30kHz DFT\_QPSK BW=10MHz Channel=501000 RB=1@0



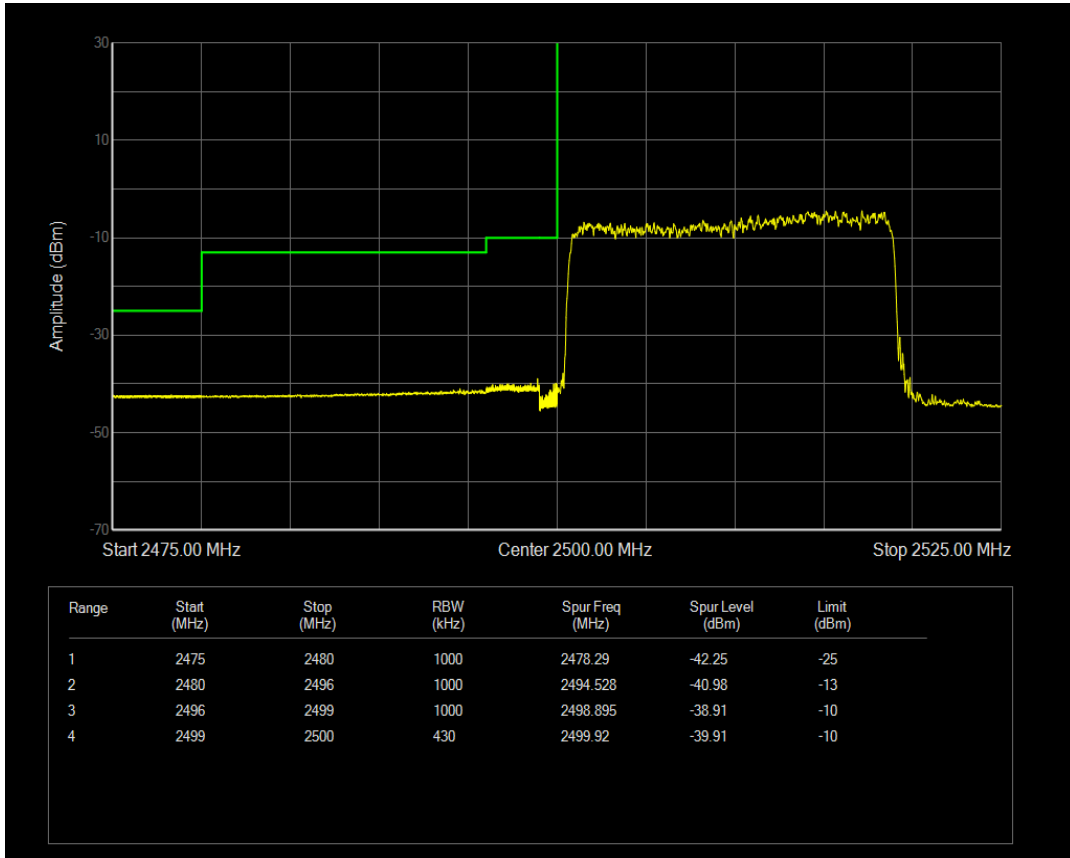
n7 SCS=30kHz DFT\_QPSK BW=10MHz Channel=513000 RB=24@0



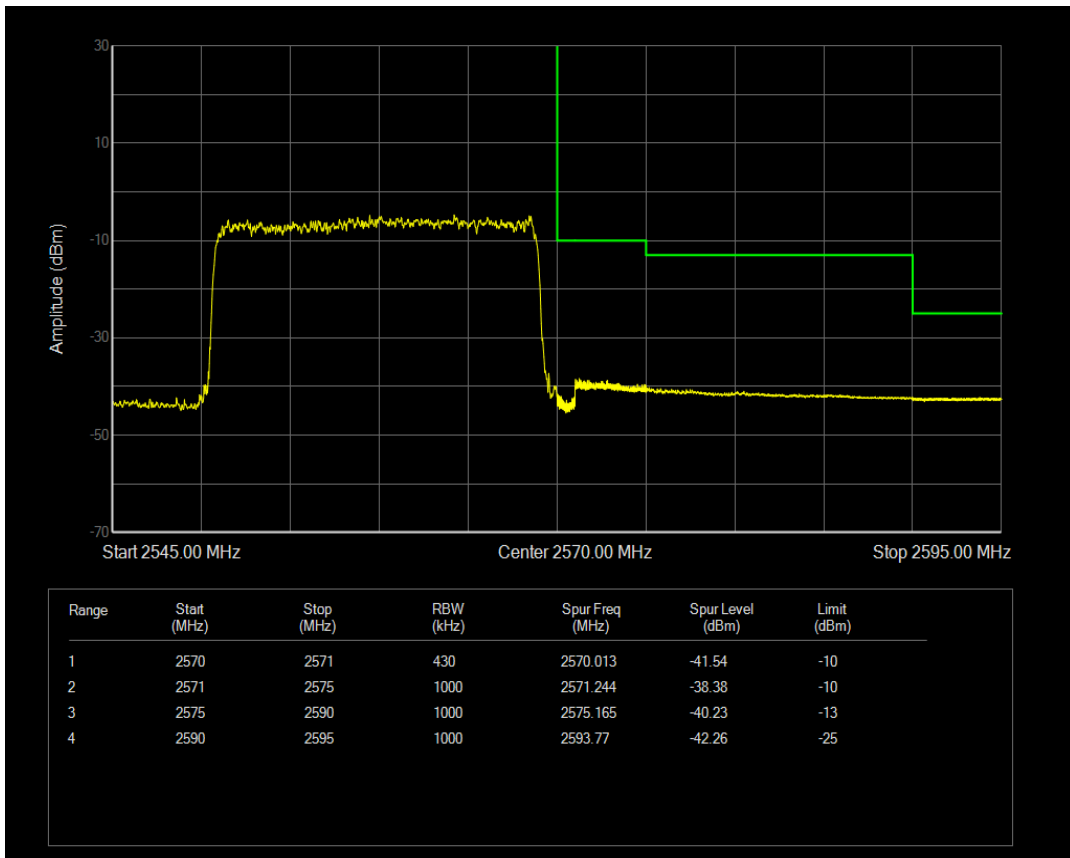
n7 SCS=30kHz DFT\_QPSK BW=10MHz Channel=513000 RB=1@23



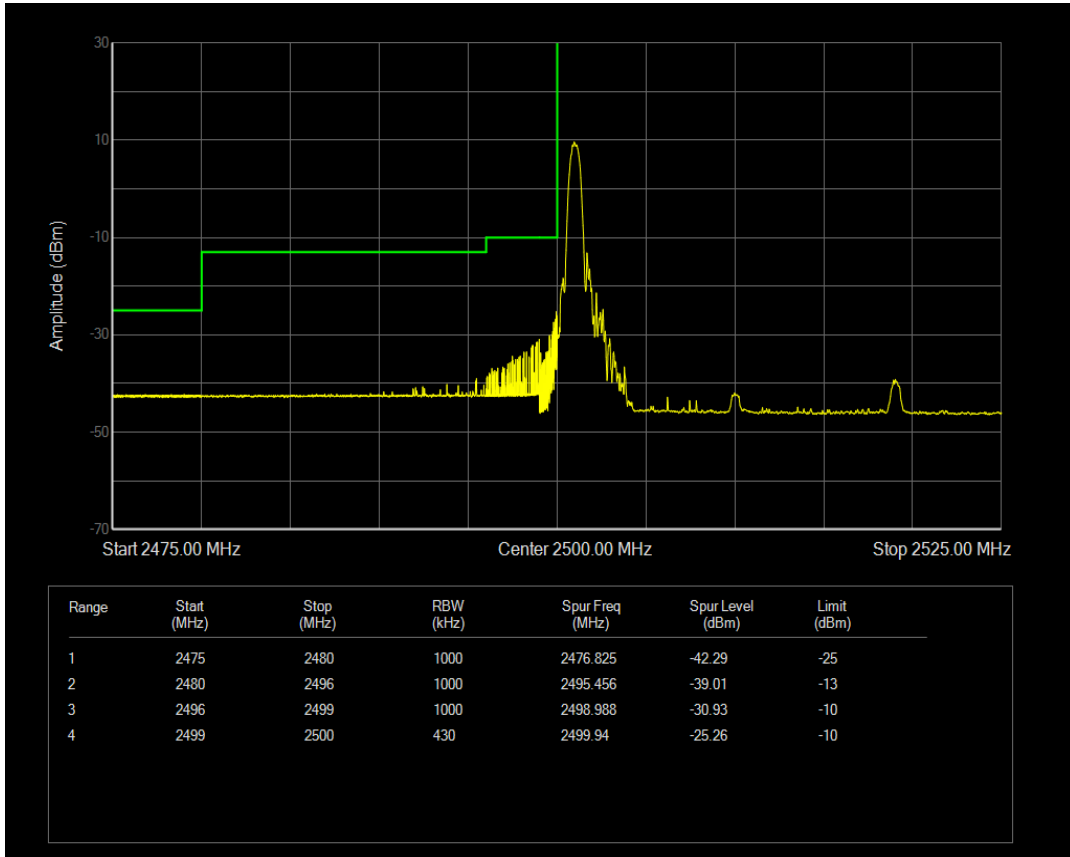
n7 SCS=30kHz DFT\_QPSK BW=20MHz Channel=502000 RB=50@0



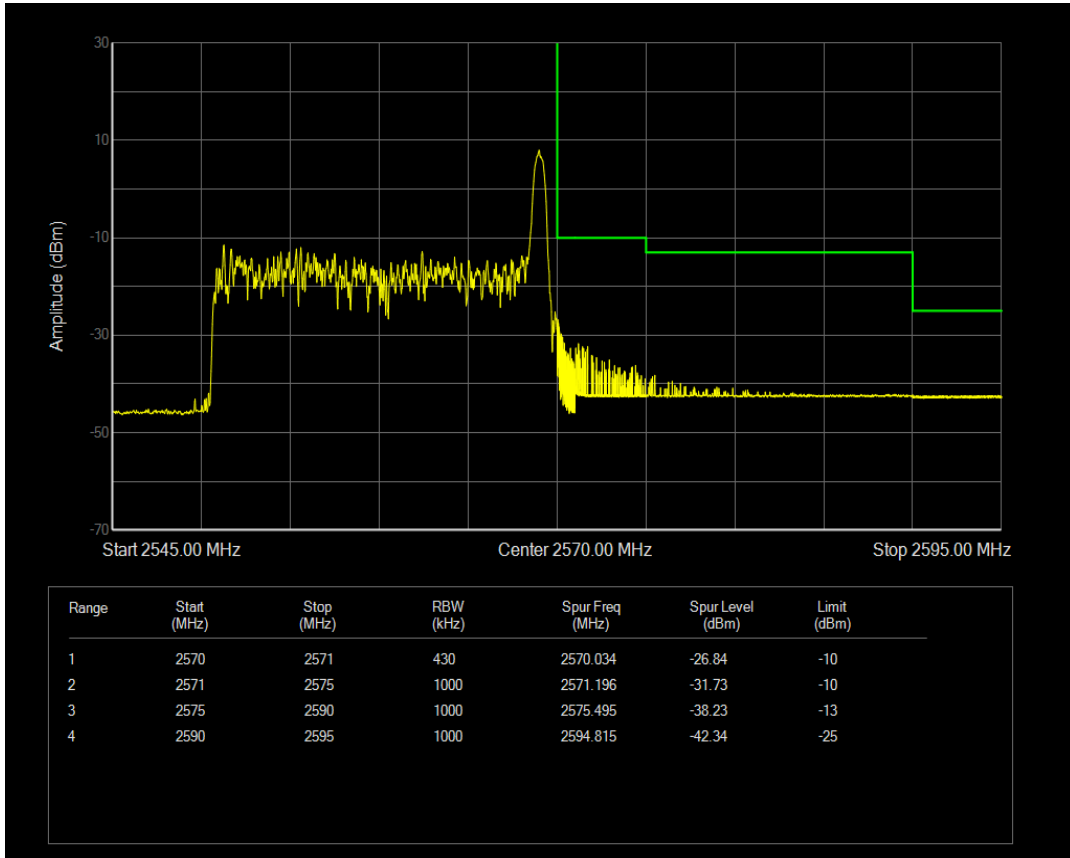
n7 SCS=30kHz DFT\_QPSK BW=20MHz Channel=512000 RB=50@0



n7 SCS=30kHz DFT\_QPSK BW=20MHz Channel=502000 RB=1@0



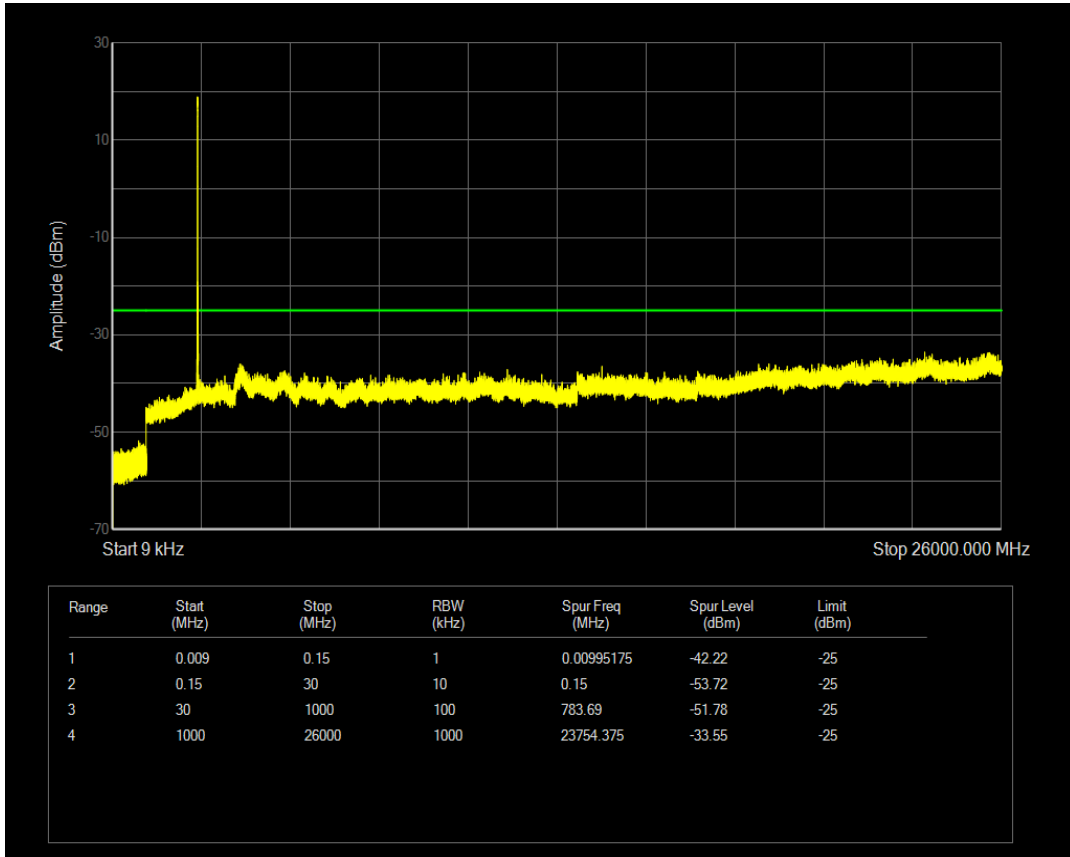
n7 SCS=30kHz DFT\_QPSK BW=20MHz Channel=512000 RB=1@50



**6 Out-of-band emissions for NR FR1**

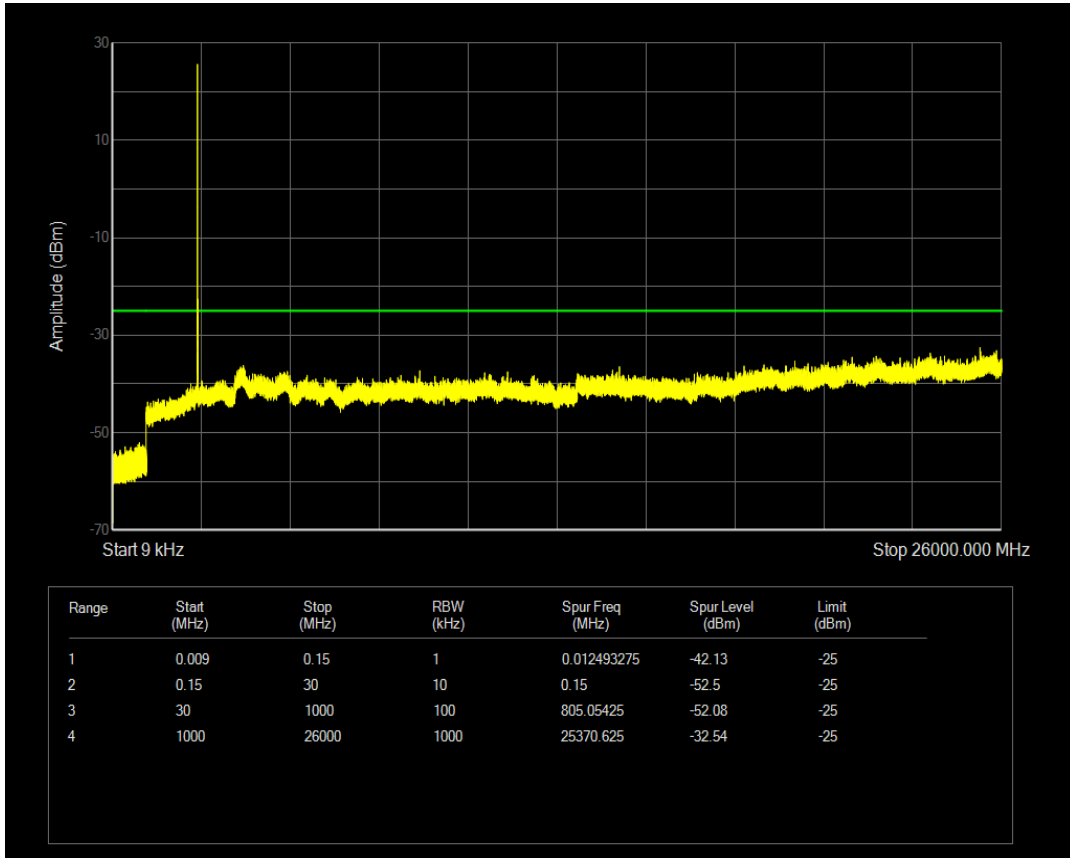
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n7	30	10	507000	24@0	DFT_QPSK	22500.63	-33.33	-25	PASS
n7	30	10	507000	1@0	DFT_QPSK	23650.63	-32.72	-25	PASS
n7	30	10	507000	1@23	DFT_QPSK	23692.50	-33.40	-25	PASS
n7	30	20	507000	50@0	DFT_QPSK	23716.88	-33.73	-25	PASS
n7	30	20	507000	1@0	DFT_QPSK	25631.25	-32.82	-25	PASS
n7	30	20	507000	1@50	DFT_QPSK	25700.00	-32.67	-25	PASS
n7	30	10	501000	24@0	DFT_QPSK	23754.38	-33.55	-25	PASS
n7	30	10	501000	1@0	DFT_QPSK	25370.63	-32.54	-25	PASS
n7	30	10	501000	1@23	DFT_QPSK	25771.25	-33.39	-25	PASS
n7	30	10	513000	24@0	DFT_QPSK	25638.13	-32.52	-25	PASS
n7	30	10	513000	1@0	DFT_QPSK	25793.13	-32.87	-25	PASS
n7	30	10	513000	1@23	DFT_QPSK	25711.25	-32.69	-25	PASS
n7	30	20	502000	50@0	DFT_QPSK	25542.50	-33.00	-25	PASS
n7	30	20	502000	1@0	DFT_QPSK	25615.63	-33.26	-25	PASS
n7	30	20	502000	1@50	DFT_QPSK	25928.75	-33.62	-25	PASS
n7	30	20	512000	50@0	DFT_QPSK	25643.75	-33.17	-25	PASS
n7	30	20	512000	1@0	DFT_QPSK	25575.63	-33.22	-25	PASS
n7	30	20	512000	1@50	DFT_QPSK	25480.63	-32.83	-25	PASS

n7 SCS=30kHz DFT\_QPSK BW=10MHz Channel=501000 RB=24@0

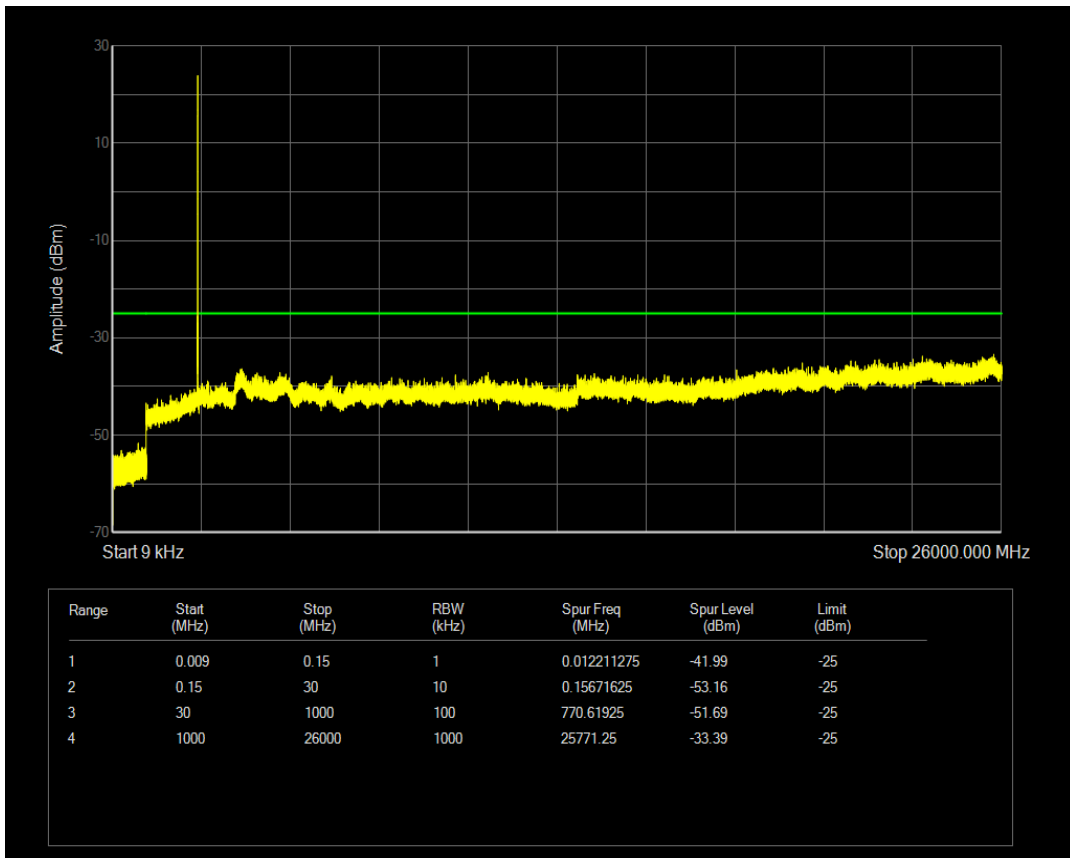


n7 SCS=30kHz DFT\_QPSK BW=10MHz Channel=501000 RB=1@0

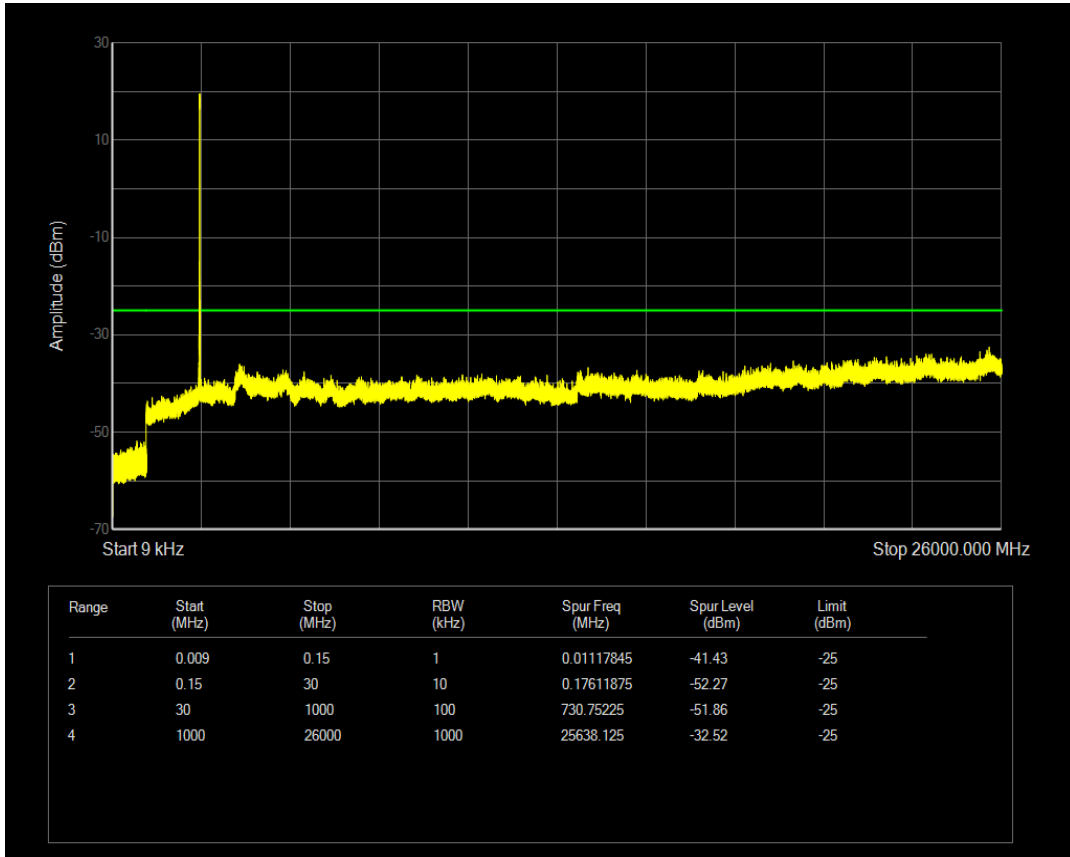




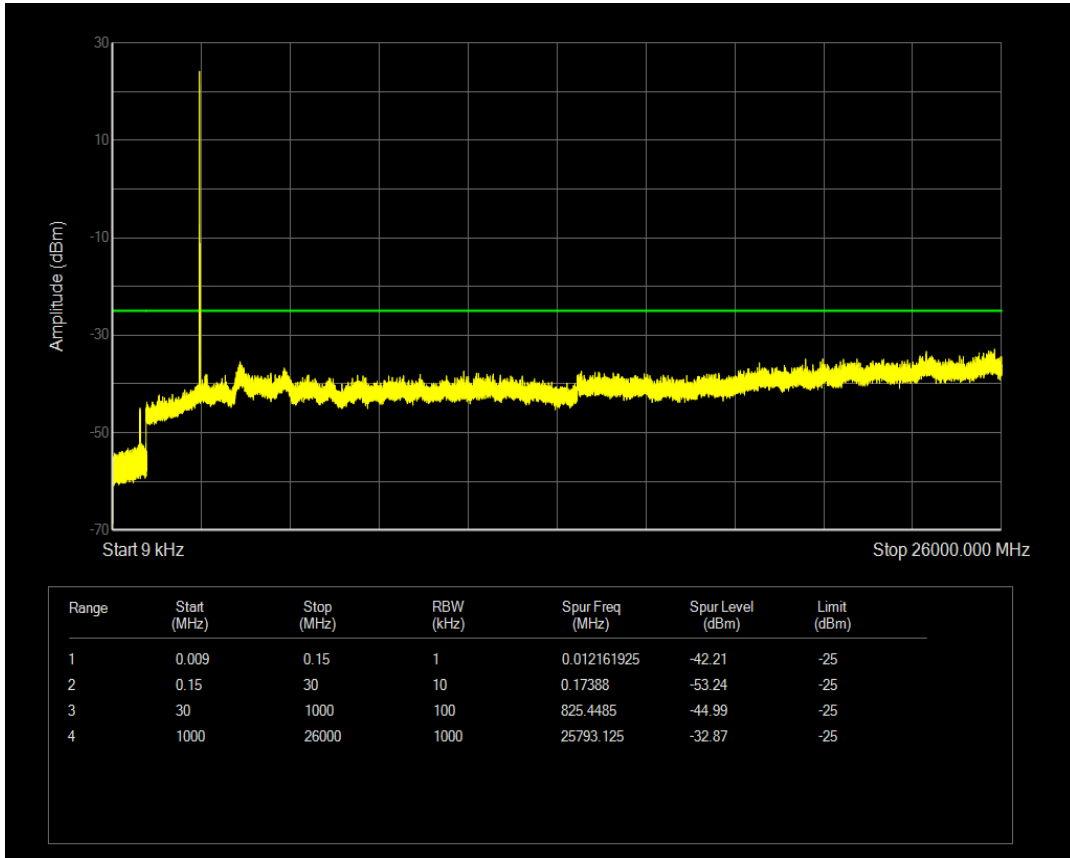
n7 SCS=30kHz DFT\_QPSK BW=10MHz Channel=501000 RB=1@23



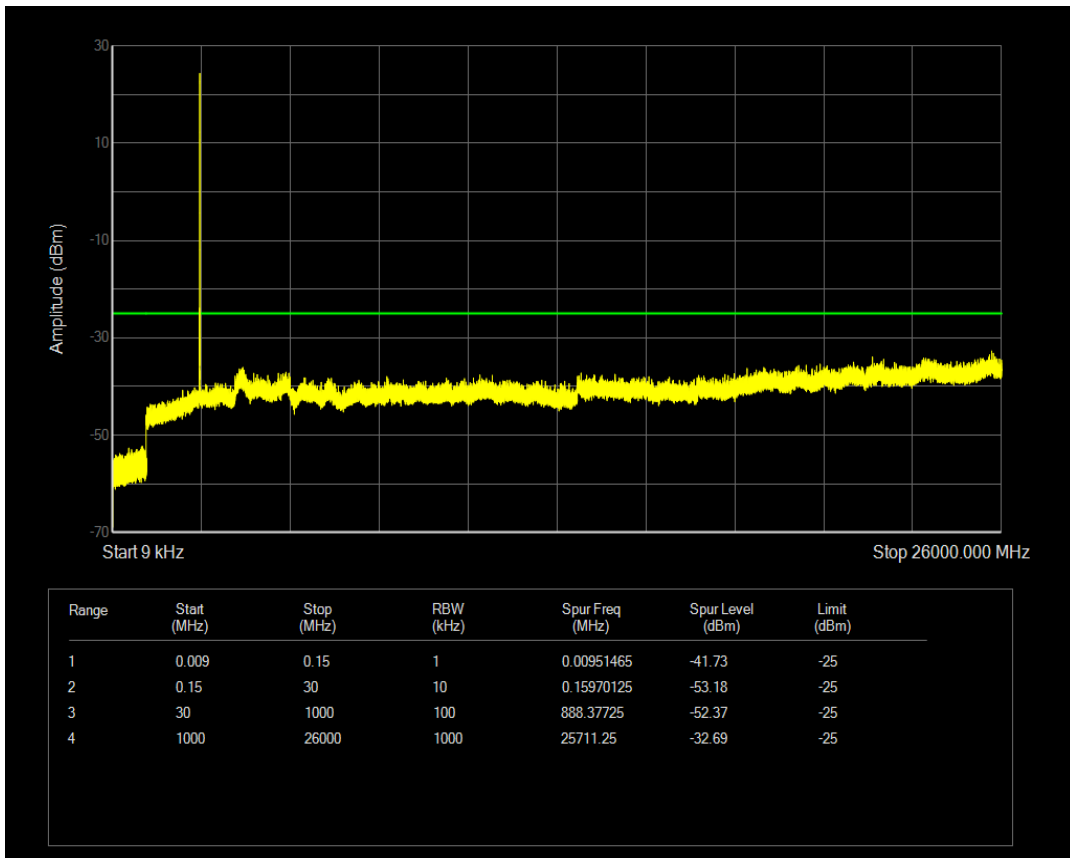
n7 SCS=30kHz DFT\_QPSK BW=10MHz Channel=513000 RB=24@0



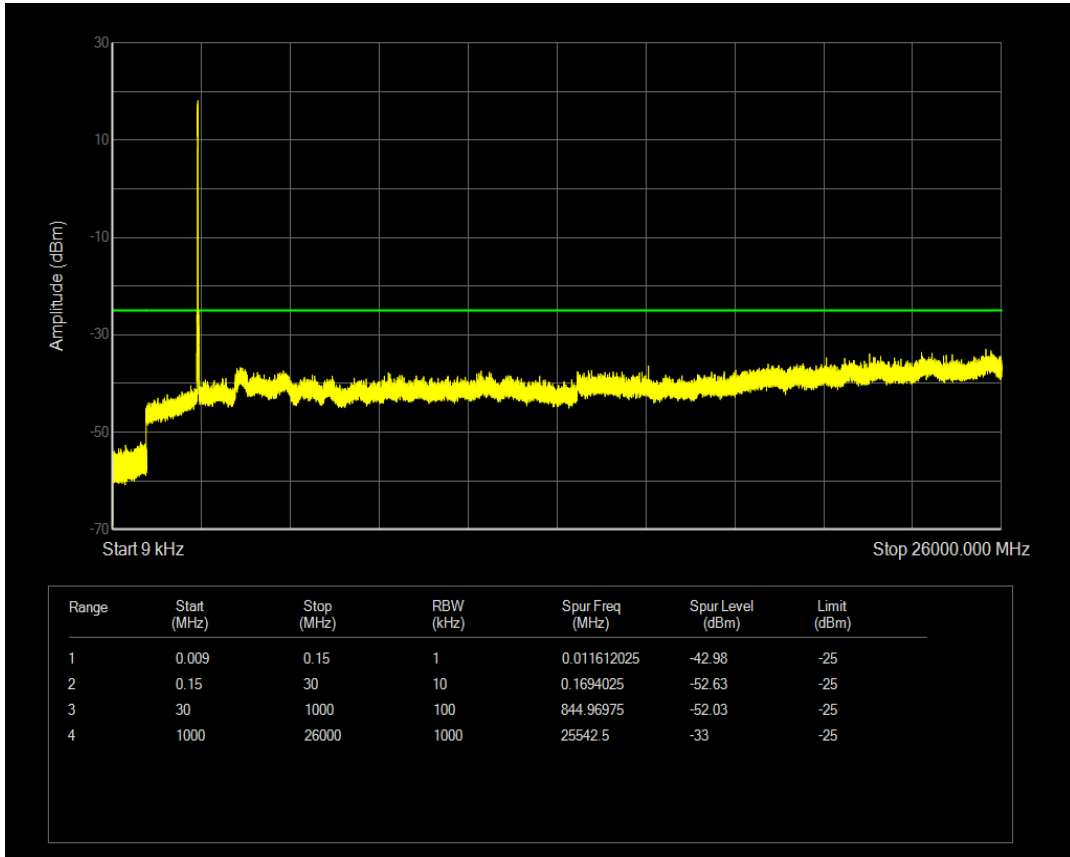
n7 SCS=30kHz DFT\_QPSK BW=10MHz Channel=513000 RB=1@0



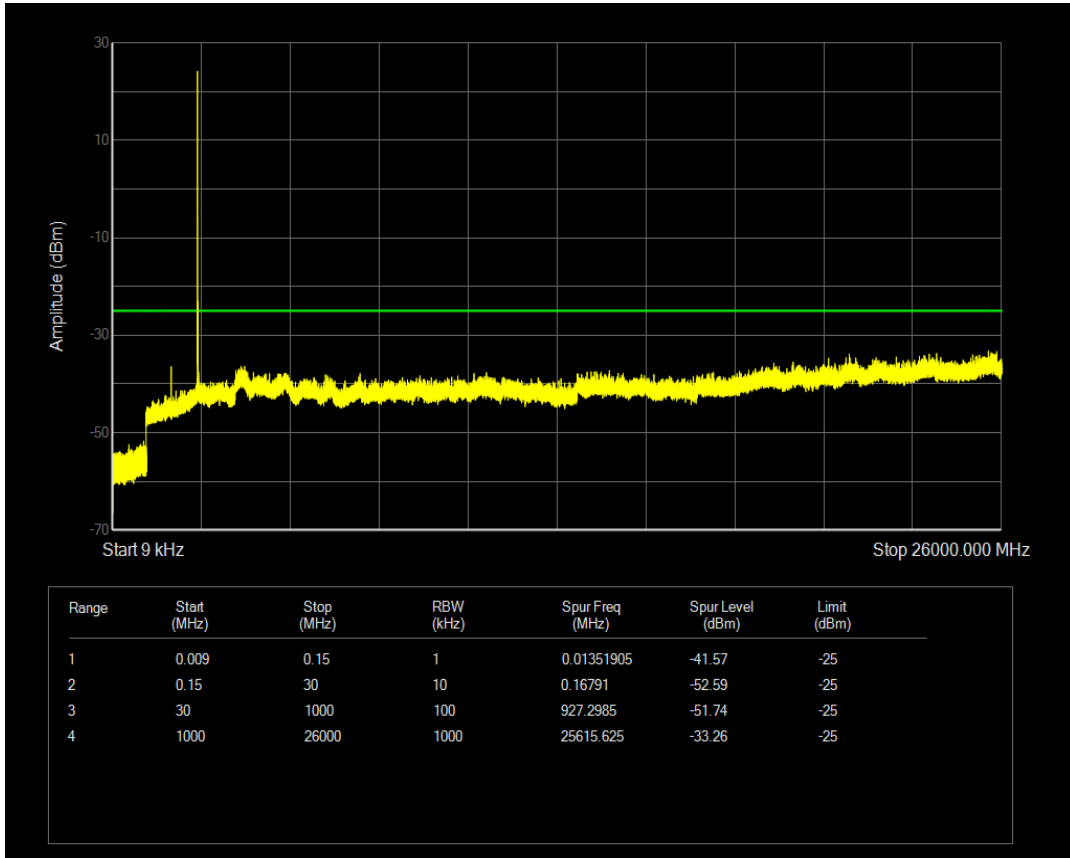
n7 SCS=30kHz DFT\_QPSK BW=10MHz Channel=513000 RB=1@23



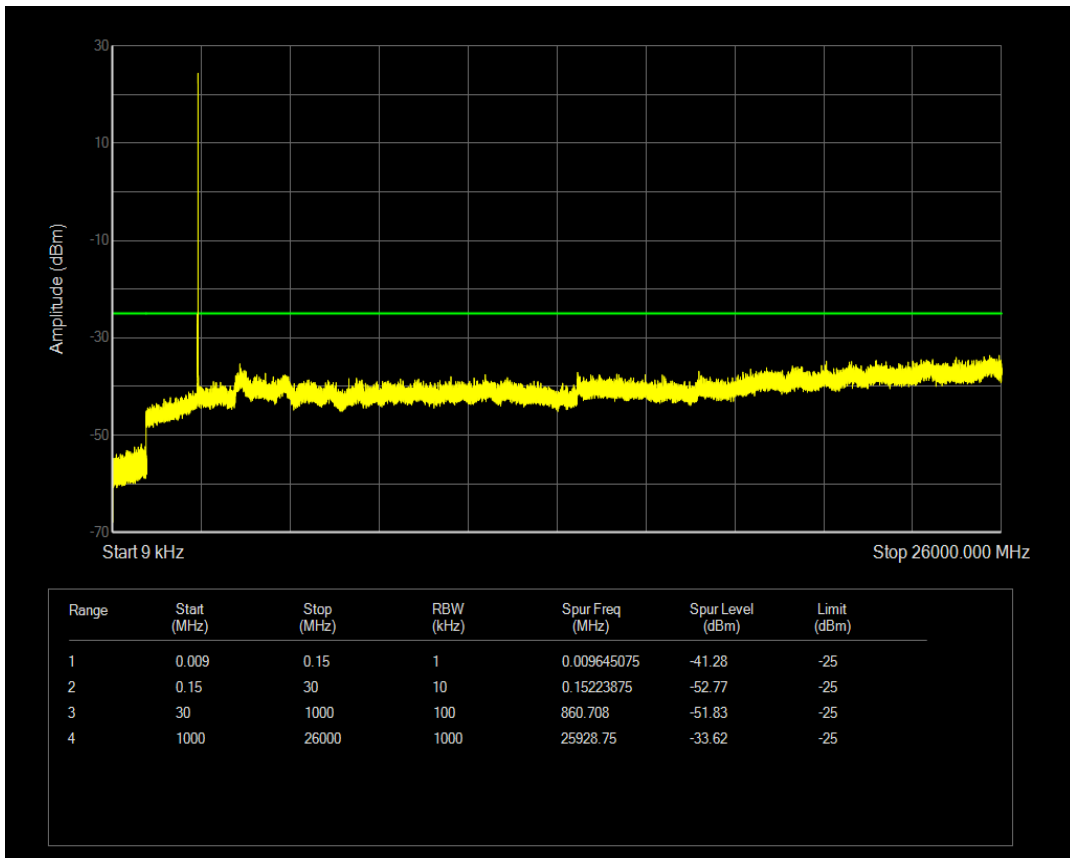
n7 SCS=30kHz DFT\_QPSK BW=20MHz Channel=502000 RB=50@0



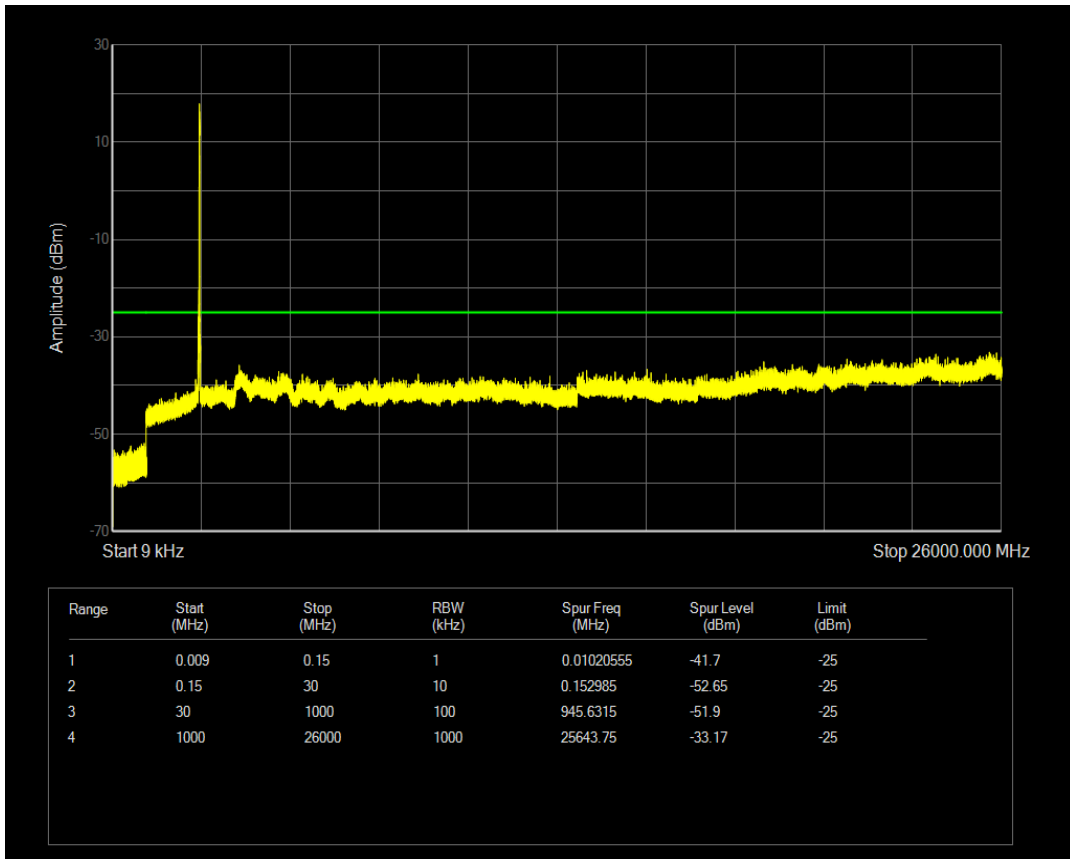
n7 SCS=30kHz DFT\_QPSK BW=20MHz Channel=502000 RB=1@0



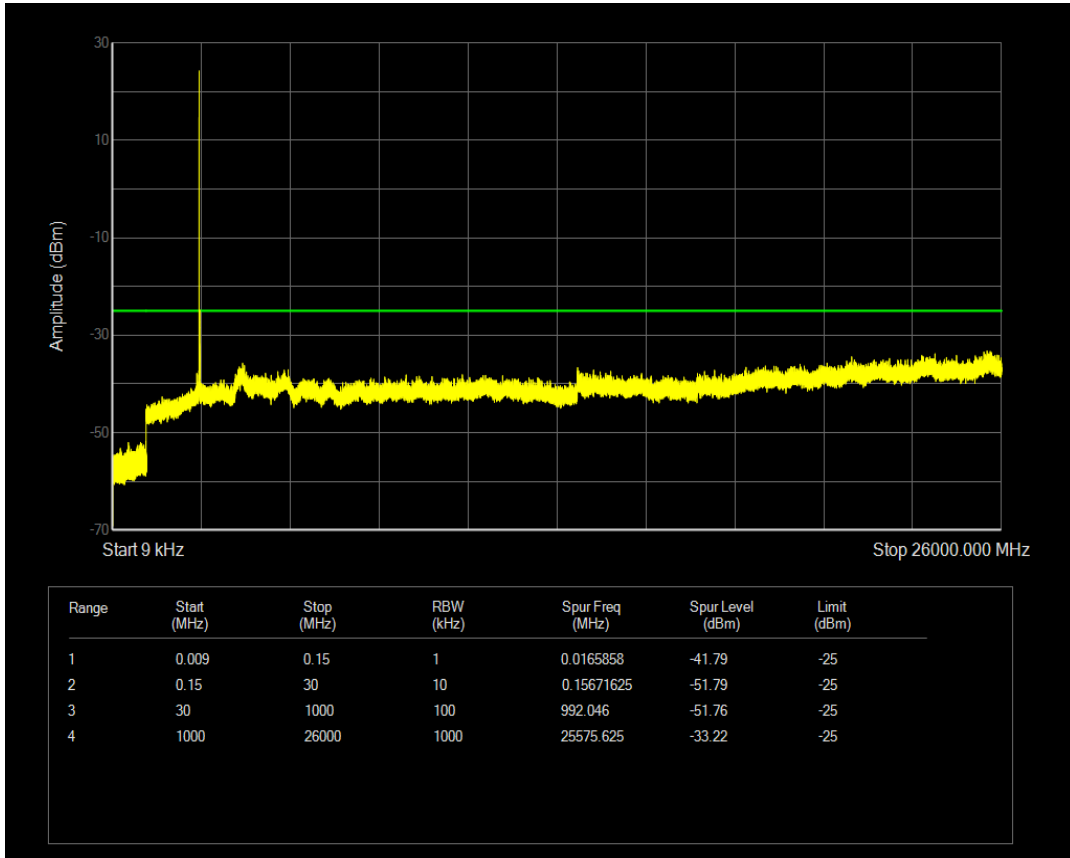
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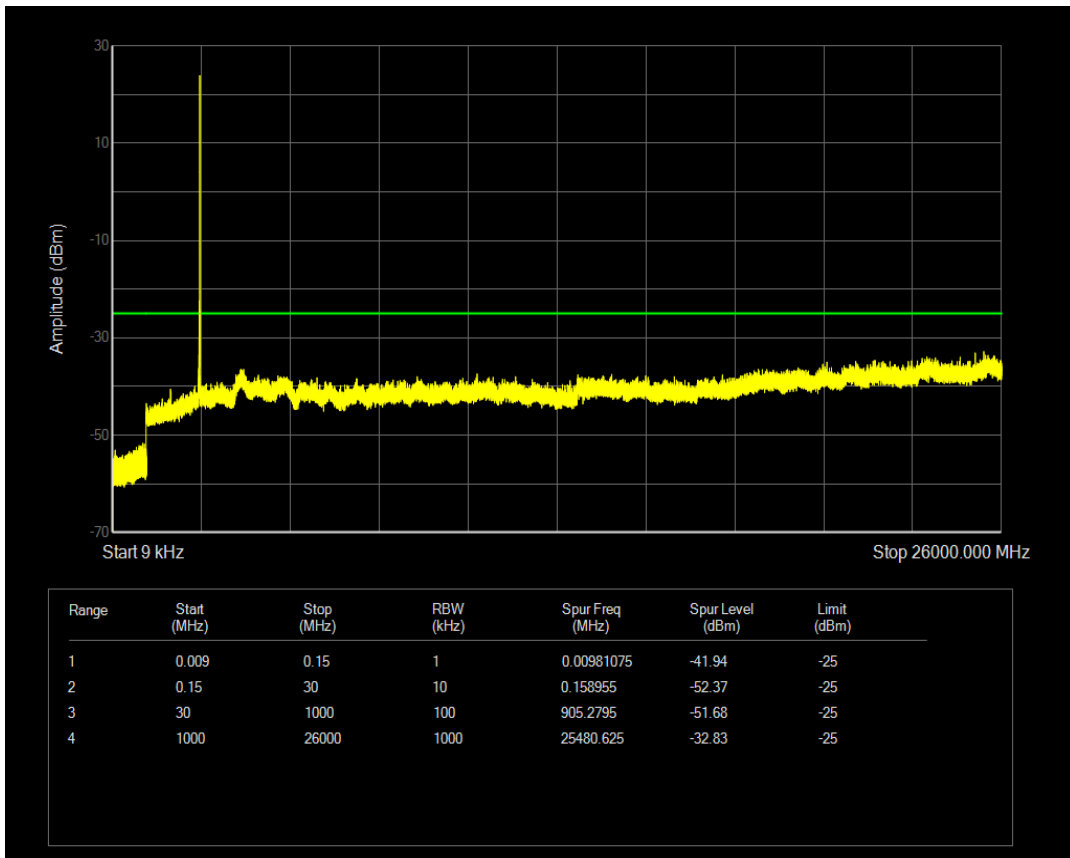
n7 SCS=30kHz DFT\_QPSK BW=20MHz Channel=512000 RB=50@0



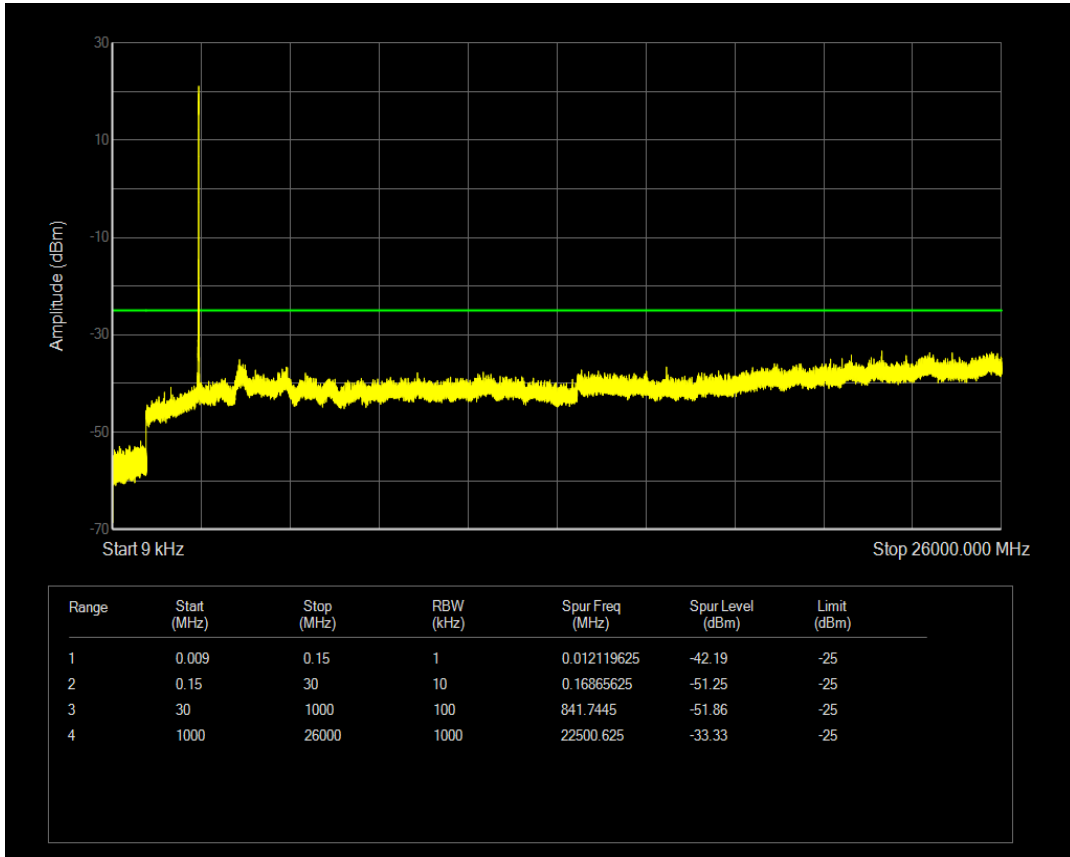
n7 SCS=30kHz DFT\_QPSK BW=20MHz Channel=512000 RB=1@0



n7 SCS=30kHz DFT\_QPSK BW=20MHz Channel=512000 RB=1@50

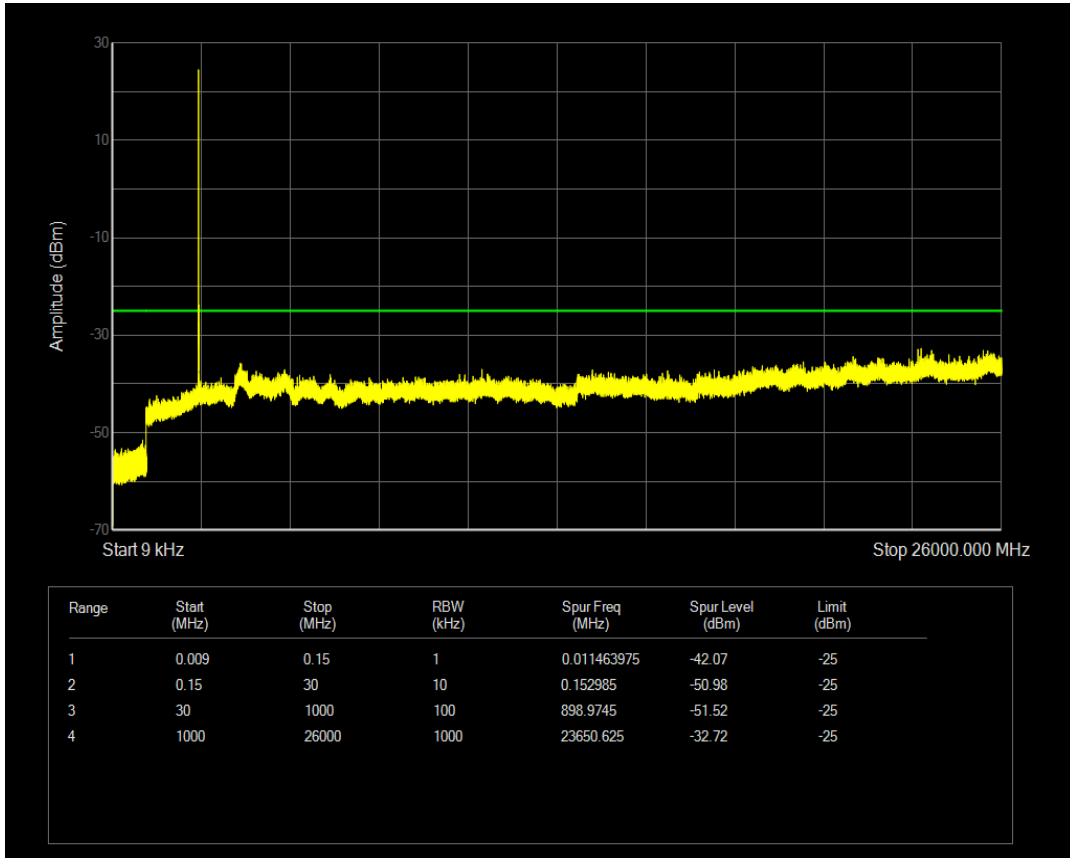


n7 SCS=30kHz DFT\_QPSK BW=10MHz Channel=507000 RB=24@0

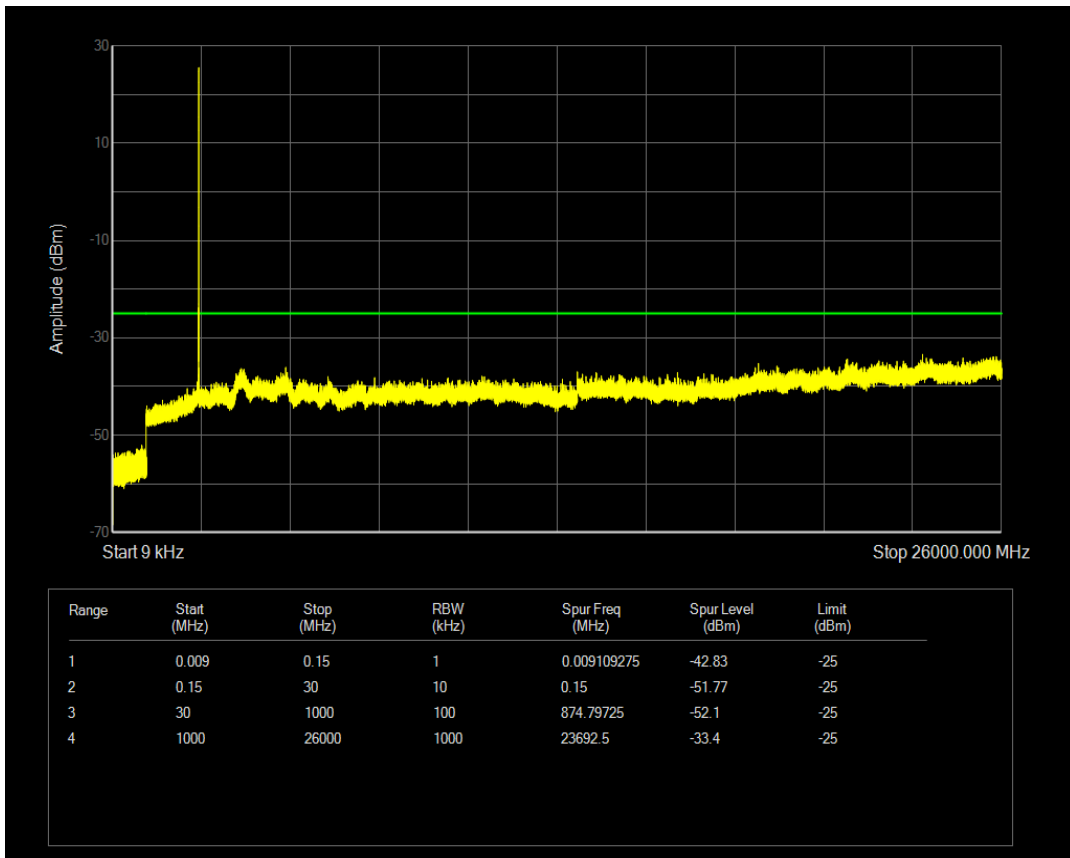


n7 SCS=30kHz DFT\_QPSK BW=10MHz Channel=507000 RB=1@0

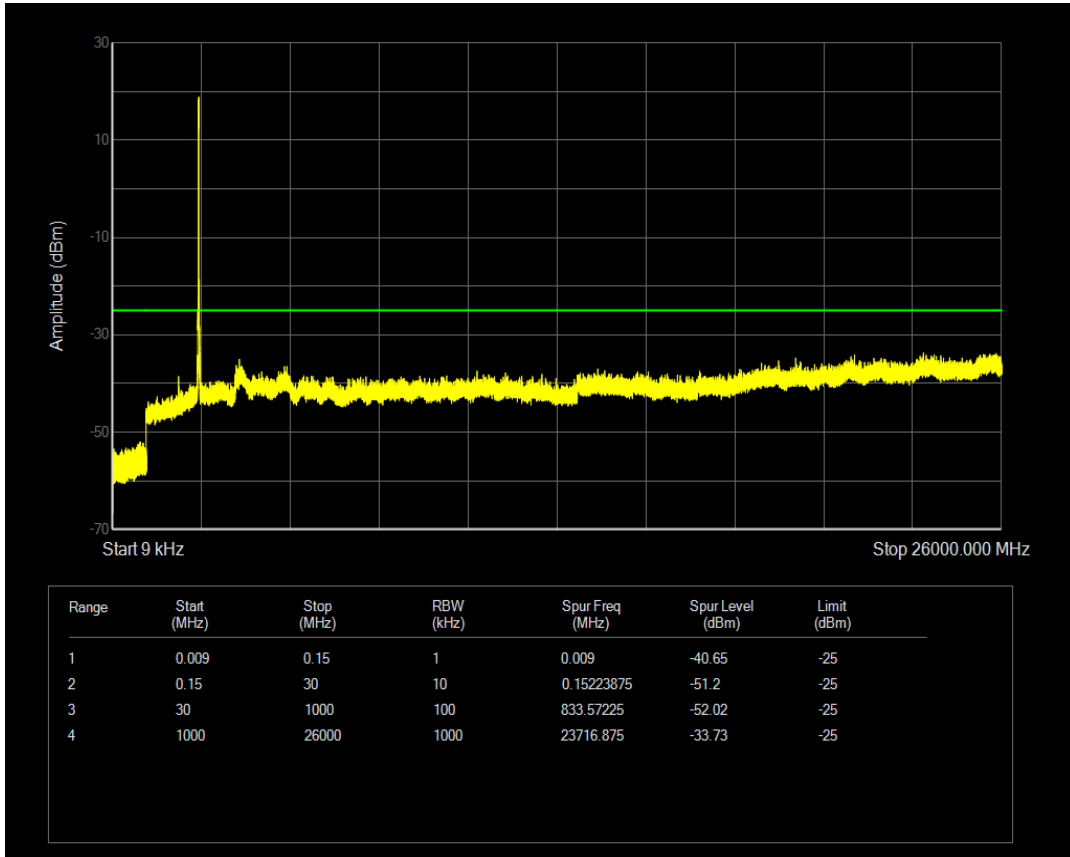




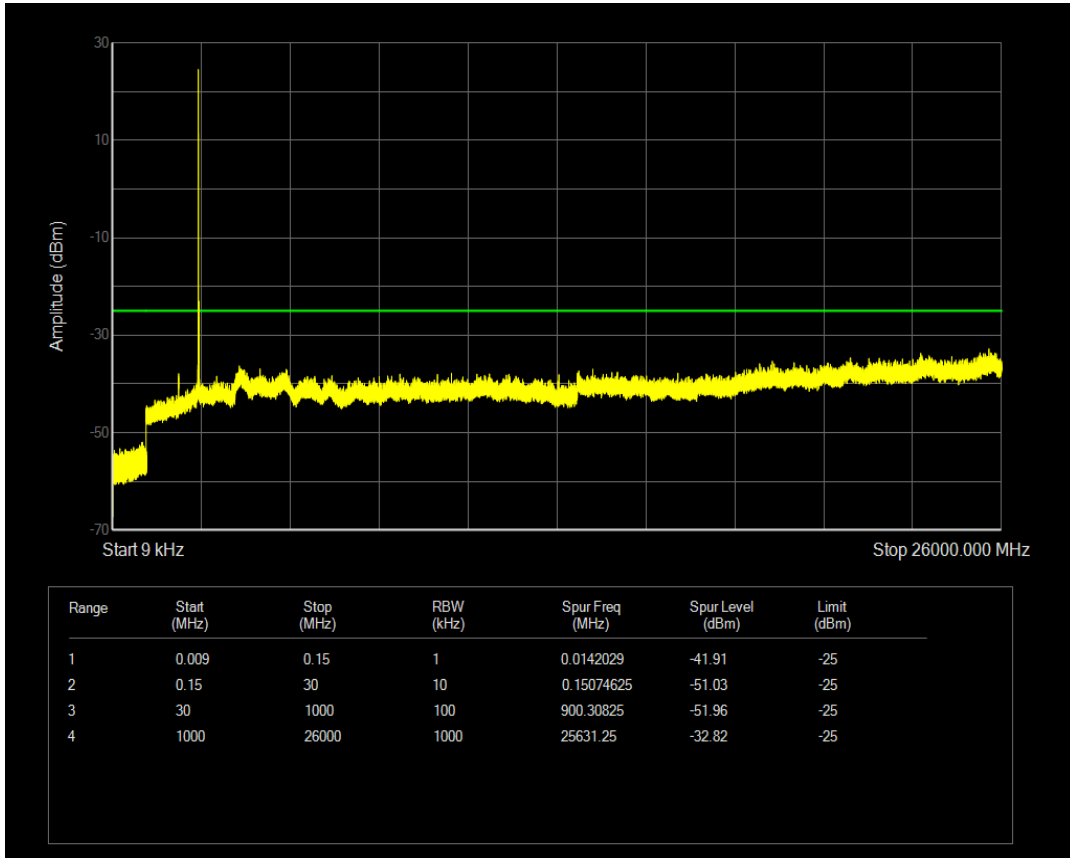
n7 SCS=30kHz DFT\_QPSK BW=10MHz Channel=507000 RB=1@23



n7 SCS=30kHz DFT\_QPSK BW=20MHz Channel=507000 RB=50@0



n7 SCS=30kHz DFT\_QPSK BW=20MHz Channel=507000 RB=1@0



n7 SCS=30kHz DFT\_QPSK BW=20MHz Channel=507000 RB=1@50

