1 Conducted output power for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Low Limit (dBm)	high Limit (dBm)	Verdict
Band7	15	5	20775	1@0	QPSK	16.26			
n7	15	5	500500	1@0	DFT_BPSK	21.75			
Sum	15					22.83	19.3	25.7	PASS
Band7	15	5	20775	8@0	QPSK	14.36			
n7	15	5	500500	12@6	DFT_BPSK	21.56			
Sum	15					22.32	19.3	25.7	PASS
Band7	15	5	20775	1@0	QPSK	16.33			
n7	15	5	500500	1@0	DFT_QPSK	21.75			
Sum	15					22.85	19.3	25.7	PASS
Band7	15	5	20775	8@0	QPSK	16.49			
n7	15	5	500500	12@6	DFT_QPSK	21.57			
Sum	15					22.74	19.3	25.7	PASS
Band7	15	5	21100	8@0	QPSK	16.48			
n7	15	5	507000	12@6	DFT_BPSK	20.79			
Sum	15					22.16	19.3	25.7	PASS
Band7	15	5	21100	8@0	QPSK	16.56			
n7	15	5	507000	12@6	DFT_QPSK	20.88			
Sum	15					22.25	19.3	25.7	PASS
Band7	15	5	21425	1@17	QPSK	16.38			
n7	15	5	513500	1@24	DFT_BPSK	21.99			
Sum	15					23.04	19.3	25.7	PASS
Band7	15	5	21425	8@17	QPSK	14.31			
n7	15	5	513500	12@6	DFT_BPSK	21.70			
Sum	15					22.43	19.3	25.7	PASS
Band7	15	5	21425	1@17	QPSK	16.30			
n7	15	5	513500	1@24	DFT_QPSK	21.19			
Sum	15					21.79	19.3	25.7	PASS
Band7	15	5	21425	8@17	QPSK	16.51			
n7	15	5	513500	12@6	DFT_QPSK	21.78			
Sum	15					22.91	19.3	25.7	PASS
Band7	15	20	20850	1@0	QPSK	16.91			
n7	15	20	502000	1@0	DFT_BPSK	21.55			
Sum	15					21.64	19.3	25.7	PASS
Band7	15	20	20850	18@0	QPSK	14.32			
n7	15	20	502000	50@25	DFT_BPSK	21.13			
Sum	15					21.95	19.3	25.7	PASS
Band7	15	20	20850	1@0	QPSK	16.93			
n7	15	20	502000	1@0	DFT_QPSK	21.88			
Sum	15					21.04	19.3	25.7	PASS
Band7	15	20	20850	18@0	QPSK	16.42			

n7	15	20	502000	50@25	DFT_QPSK	21.12			
Sum	15					22.39	19.3	25.7	PASS
Band7	15	20	21100	18@0	QPSK	16.39			
n7	15	20	507000	50@25	DFT_BPSK	20.83			
Sum	15					22.16	19.3	25.7	PASS
Band7	15	20	21100	18@0	QPSK	16.48			
n7	15	20	507000	50@25	DFT_QPSK	20.80			
Sum	15					22.17	19.3	25.7	PASS
Band7	15	20	21350	1@72	QPSK	16.38			
n7	15	20	512000	1@105	DFT_BPSK	21.62			
Sum	15					22.76	19.3	25.7	PASS
Band7	15	20	21350	18@72	QPSK	14.25			
n7	15	20	512000	50@25	DFT_BPSK	21.29			
Sum	15					22.07	19.3	25.7	PASS
Band7	15	20	21350	1@72	QPSK	16.41			
n7	15	20	512000	1@105	DFT_QPSK	21.12			
Sum	15					21.82	19.3	25.7	PASS
Band7	15	20	21350	18@72	QPSK	16.47			
n7	15	20	512000	50@25	DFT_QPSK	21.30			
Sum	15					22.53	19.3	25.7	PASS

2 Frequency stability for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result(Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
n7	15	10	501000	12@6	DFT_BPSK	-5.09	-0.00203	-2.5	2.5	PASS
n7	15	10	501000	1@1	DFT_BPSK	-3.18	-0.00127	-2.5	2.5	PASS
n7	15	10	501000	1@22	DFT_BPSK	-3.16	-0.00126	-2.5	2.5	PASS
n7	15	10	501000	12@6	DFT_QPSK	-4.57	-0.00182	-2.5	2.5	PASS
n7	15	10	501000	1@1	DFT_QPSK	-5.38	-0.00215	-2.5	2.5	PASS
n7	15	10	501000	1@22	DFT_QPSK	-3.93	-0.00157	-2.5	2.5	PASS
n7	15	10	507000	12@6	DFT_BPSK	-2.04	-0.00080	-2.5	2.5	PASS
n7	15	10	507000	1@1	DFT_BPSK	-4.60	-0.00181	-2.5	2.5	PASS
n7	15	10	507000	1@22	DFT_BPSK	-3.29	-0.00130	-2.5	2.5	PASS
n7	15	10	507000	12@6	DFT_QPSK	-0.66	-0.00026	-2.5	2.5	PASS
n7	15	10	507000	1@1	DFT_QPSK	-5.68	-0.00224	-2.5	2.5	PASS
n7	15	10	507000	1@22	DFT_QPSK	-5.91	-0.00233	-2.5	2.5	PASS
n7	15	10	513000	12@6	DFT_BPSK	-4.23	-0.00165	-2.5	2.5	PASS
n7	15	10	513000	1@1	DFT_BPSK	-4.71	-0.00184	-2.5	2.5	PASS
n7	15	10	513000	1@22	DFT_BPSK	-4.25	-0.00166	-2.5	2.5	PASS
n7	15	10	513000	12@6	DFT_QPSK	-4.89	-0.00191	-2.5	2.5	PASS
n7	15	10	513000	1@1	DFT_QPSK	-4.15	-0.00162	-2.5	2.5	PASS
n7	15	10	513000	1@22	DFT_QPSK	-3.03	-0.00118	-2.5	2.5	PASS
n7	15	15	501500	18@9	DFT_BPSK	2.65	0.00106	-2.5	2.5	PASS
n7	15	15	501500	1@1	DFT_BPSK	2.75	0.00110	-2.5	2.5	PASS

n7	15	15	501500	1@36	DFT_BPSK	3.31	0.00132	-2.5	2.5	PASS
n7	15	15	501500	18@9	DFT_QPSK	-0.73	-0.00029	-2.5	2.5	PASS
n7	15	15	501500	1@1	DFT_QPSK	1.88	0.00075	-2.5	2.5	PASS
n7	15	15	501500	1@36	DFT_QPSK	1.08	0.00043	-2.5	2.5	PASS
n7	15	15	507000	18@9	DFT_BPSK	-2.13	-0.00084	-2.5	2.5	PASS
n7	15	15	507000	1@1	DFT_BPSK	-0.83	-0.00033	-2.5	2.5	PASS
n7	15	15	507000	1@36	DFT_BPSK	-1.89	-0.00075	-2.5	2.5	PASS
n7	15	15	507000	18@9	DFT_QPSK	-0.71	-0.00028	-2.5	2.5	PASS
n7	15	15	507000	1@1	DFT_QPSK	-0.54	-0.00021	-2.5	2.5	PASS
n7	15	15	507000	1@36	DFT_QPSK	0.70	0.00028	-2.5	2.5	PASS
n7	15	15	512500	18@9	DFT_BPSK	-0.66	-0.00026	-2.5	2.5	PASS
n7	15	15	512500	1@1	DFT_BPSK	-1.22	-0.00048	-2.5	2.5	PASS
n7	15	15	512500	1@36	DFT_BPSK	-1.49	-0.00058	-2.5	2.5	PASS
n7	15	15	512500	18@9	DFT_QPSK	-3.90	-0.00152	-2.5	2.5	PASS
n7	15	15	512500	1@1	DFT_QPSK	-4.01	-0.00156	-2.5	2.5	PASS
n7	15	15	512500	1@36	DFT_QPSK	-1.32	-0.00052	-2.5	2.5	PASS
n7	15	20	502000	25@12	DFT_BPSK	2.65	0.00106	-2.5	2.5	PASS
n7	15	20	502000	1@1	DFT_BPSK	-0.38	-0.00015	-2.5	2.5	PASS
n7	15	20	502000	1@49	DFT_BPSK	1.14	0.00045	-2.5	2.5	PASS
n7	15	20	502000	25@12	DFT_QPSK	0.72	0.00029	-2.5	2.5	PASS
n7	15	20	502000	1@1	DFT_QPSK	2.27	0.00090	-2.5	2.5	PASS
n7	15	20	502000	1@49	DFT_QPSK	1.59	0.00063	-2.5	2.5	PASS
n7	15	20	507000	25@12	DFT_BPSK	-2.81	-0.00111	-2.5	2.5	PASS
n7	15	20	507000	1@1	DFT_BPSK	-3.55	-0.00140	-2.5	2.5	PASS
n7	15	20	507000	1@49	DFT_BPSK	-3.74	-0.00148	-2.5	2.5	PASS
n7	15	20	507000	25@12	DFT_QPSK	-4.15	-0.00164	-2.5	2.5	PASS
n7	15	20	507000	1@1	DFT_QPSK	-3.10	-0.00122	-2.5	2.5	PASS
n7	15	20	507000	1@49	DFT_QPSK	-4.99	-0.00197	-2.5	2.5	PASS
n7	15	20	512000	25@12	DFT_BPSK	0.33	0.00013	-2.5	2.5	PASS
n7	15	20	512000	1@1	DFT_BPSK	0.62	0.00024	-2.5	2.5	PASS
n7	15	20	512000	1@49	DFT_BPSK	-0.97	-0.00038	-2.5	2.5	PASS
n7	15	20	512000	25@12	DFT_QPSK	0.06	0.00002	-2.5	2.5	PASS
n7	15	20	512000	1@1	DFT_QPSK	2.11	0.00082	-2.5	2.5	PASS
n7	15	20	512000	1@49	DFT_QPSK	0.70	0.00027	-2.5	2.5	PASS

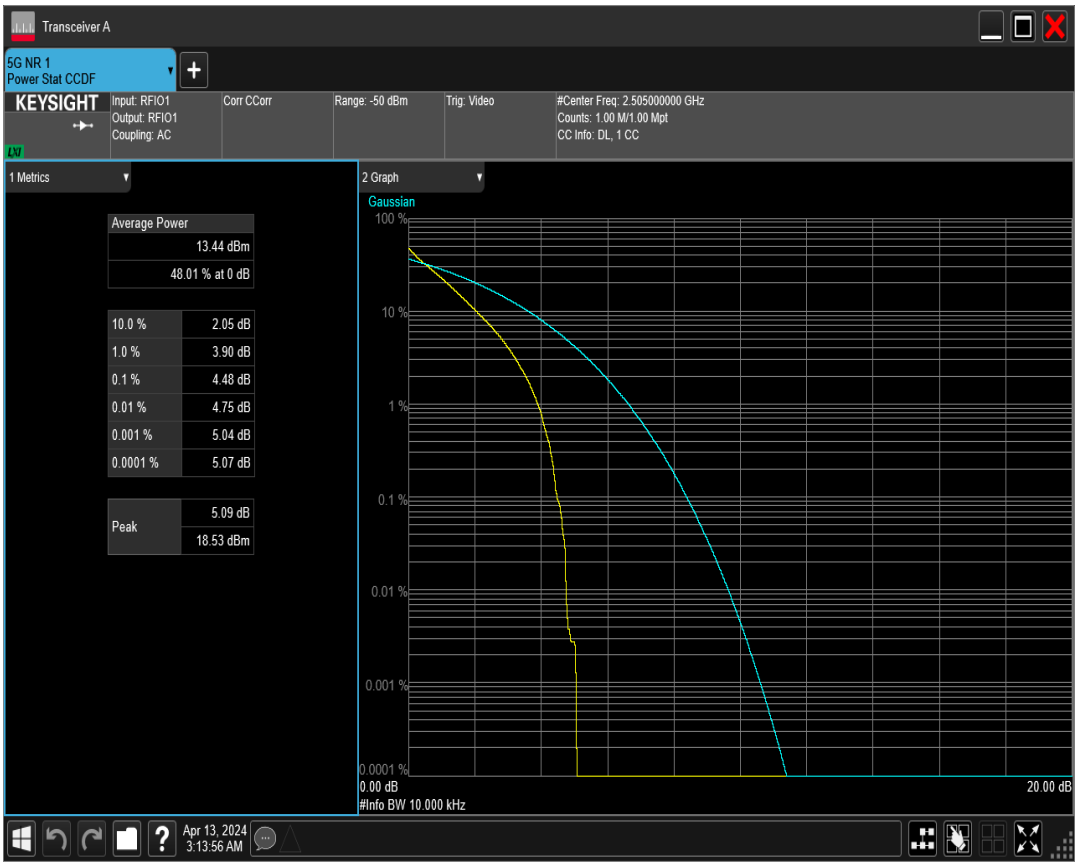
3 Peak-to-Average Ratio for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n7	15	5	500500	25@0	DFT_BPSK	4.28	13	PASS
n7	15	5	500500	25@0	DFT_QPSK	5.23	13	PASS
n7	15	5	500500	25@0	DFT_QAM16	6.10	13	PASS
n7	15	5	500500	25@0	DFT_QAM64	6.39	13	PASS
n7	15	5	500500	25@0	DFT_QAM256	6.64	13	PASS
n7	15	5	507000	25@0	DFT_BPSK	4.23	13	PASS
n7	15	5	507000	25@0	DFT_QPSK	5.22	13	PASS

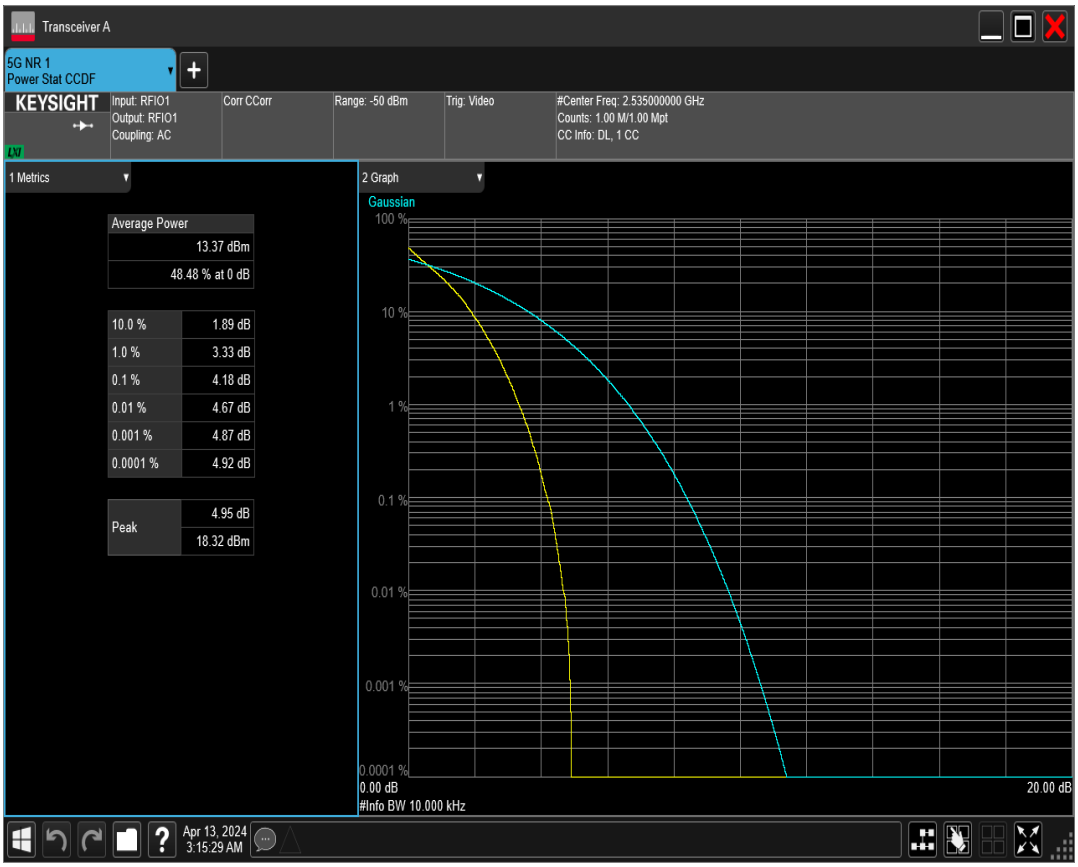
n7	15	5	507000	25@0	DFT_QAM16	6.18	13	PASS
n7	15	5	507000	25@0	DFT_QAM64	6.56	13	PASS
n7	15	5	507000	25@0	DFT_QAM256	7.02	13	PASS
n7	15	5	513500	25@0	DFT_BPSK	4.29	13	PASS
n7	15	5	513500	25@0	DFT_QPSK	5.06	13	PASS
n7	15	5	513500	25@0	DFT_QAM16	5.83	13	PASS
n7	15	5	513500	25@0	DFT_QAM64	6.19	13	PASS
n7	15	5	513500	25@0	DFT_QAM256	6.65	13	PASS
n7	15	10	501000	50@0	DFT_BPSK	4.48	13	PASS
n7	15	10	501000	50@0	DFT_QPSK	5.32	13	PASS
n7	15	10	501000	50@0	DFT_QAM16	6.19	13	PASS
n7	15	10	501000	50@0	DFT_QAM64	6.60	13	PASS
n7	15	10	501000	50@0	DFT_QAM256	6.84	13	PASS
n7	15	10	507000	50@0	DFT_BPSK	4.18	13	PASS
n7	15	10	507000	50@0	DFT_QPSK	5.26	13	PASS
n7	15	10	507000	50@0	DFT_QAM16	6.07	13	PASS
n7	15	10	507000	50@0	DFT_QAM64	6.48	13	PASS
n7	15	10	507000	50@0	DFT_QAM256	7.00	13	PASS
n7	15	10	513000	50@0	DFT_BPSK	4.70	13	PASS
n7	15	10	513000	50@0	DFT_QPSK	5.04	13	PASS
n7	15	10	513000	50@0	DFT_QAM16	5.99	13	PASS
n7	15	10	513000	50@0	DFT_QAM64	6.27	13	PASS
n7	15	10	513000	50@0	DFT_QAM256	6.75	13	PASS
n7	15	15	501500	75@0	DFT_BPSK	4.31	13	PASS
n7	15	15	501500	75@0	DFT_QPSK	5.35	13	PASS
n7	15	15	501500	75@0	DFT_QAM16	6.20	13	PASS
n7	15	15	501500	75@0	DFT_QAM64	6.39	13	PASS
n7	15	15	501500	75@0	DFT_QAM256	6.88	13	PASS
n7	15	15	507000	75@0	DFT_BPSK	4.29	13	PASS
n7	15	15	507000	75@0	DFT_QPSK	5.35	13	PASS
n7	15	15	507000	75@0	DFT_QAM16	6.23	13	PASS
n7	15	15	507000	75@0	DFT_QAM64	6.50	13	PASS
n7	15	15	507000	75@0	DFT_QAM256	6.87	13	PASS
n7	15	15	512500	75@0	DFT_BPSK	4.06	13	PASS
n7	15	15	512500	75@0	DFT_QPSK	5.05	13	PASS
n7	15	15	512500	75@0	DFT_QAM16	5.97	13	PASS
n7	15	15	512500	75@0	DFT_QAM64	6.32	13	PASS
n7	15	15	512500	75@0	DFT_QAM256	6.60	13	PASS
n7	15	20	502000	100@0	DFT_BPSK	4.30	13	PASS
n7	15	20	502000	100@0	DFT_QPSK	5.37	13	PASS
n7	15	20	502000	100@0	DFT_QAM16	6.21	13	PASS
n7	15	20	502000	100@0	DFT_QAM64	6.43	13	PASS
n7	15	20	502000	100@0	DFT_QAM256	6.94	13	PASS
n7	15	20	507000	100@0	DFT_BPSK	4.24	13	PASS

n7	15	20	507000	100@0	DFT_QPSK	5.45	13	PASS
n7	15	20	507000	100@0	DFT_QAM16	6.31	13	PASS
n7	15	20	507000	100@0	DFT_QAM64	6.47	13	PASS
n7	15	20	507000	100@0	DFT_QAM256	6.74	13	PASS
n7	15	20	512000	100@0	DFT_BPSK	5.16	13	PASS
n7	15	20	512000	100@0	DFT_QPSK	5.53	13	PASS
n7	15	20	512000	100@0	DFT_QAM16	6.28	13	PASS
n7	15	20	512000	100@0	DFT_QAM64	6.31	13	PASS
n7	15	20	512000	100@0	DFT_QAM256	6.70	13	PASS

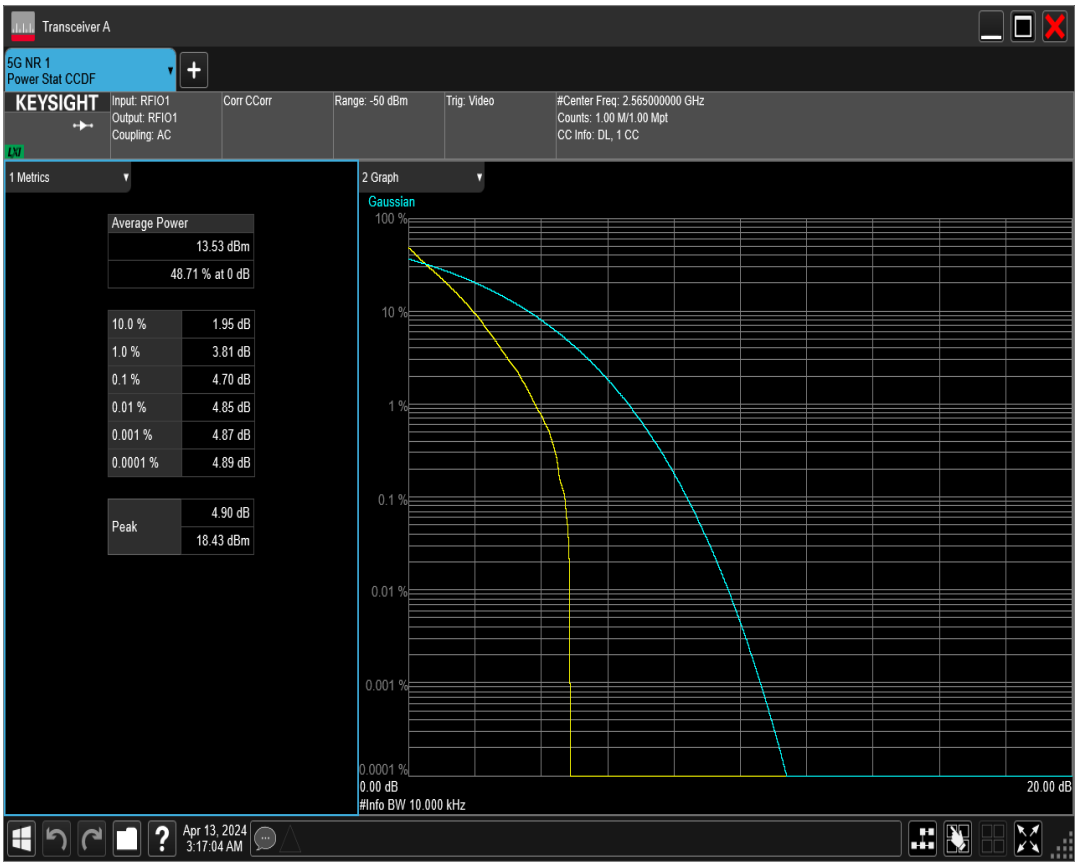
n7 SCS=15kHz DFT_BPSK BW=10MHz Channel=501000 RB=50@0



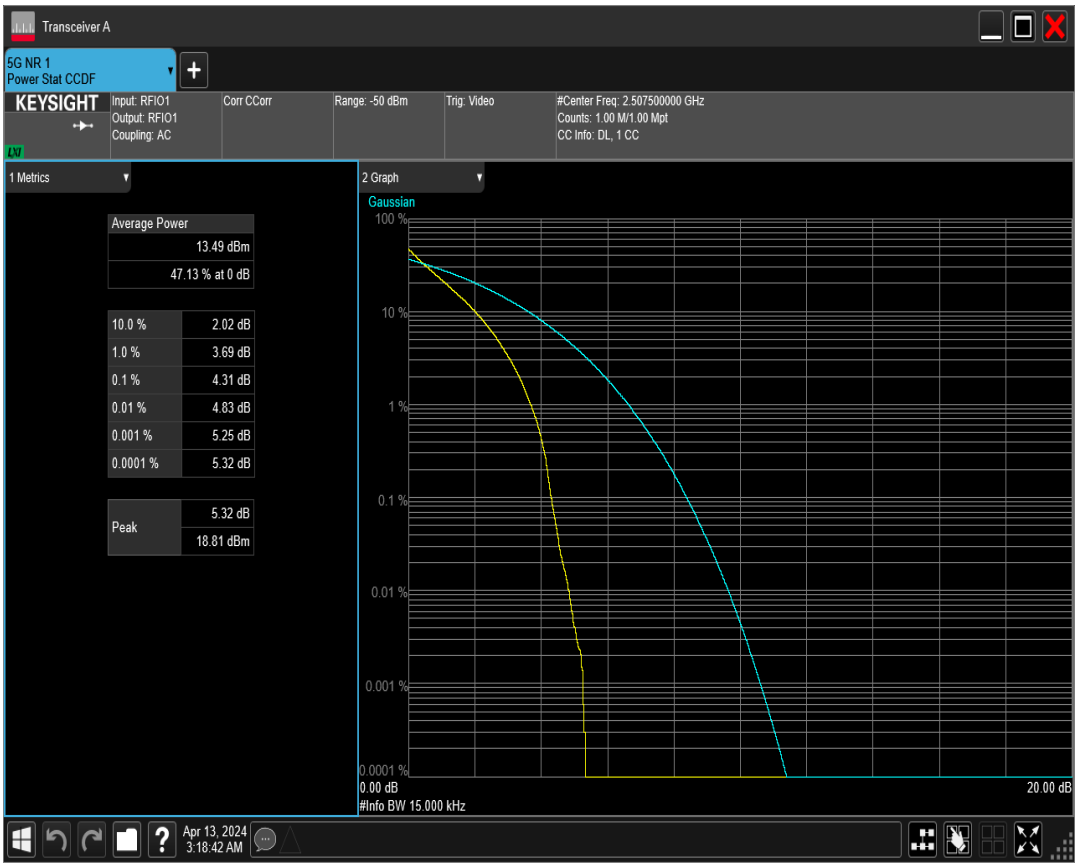
n7 SCS=15kHz DFT_BPSK BW=10MHz Channel=507000 RB=50@0



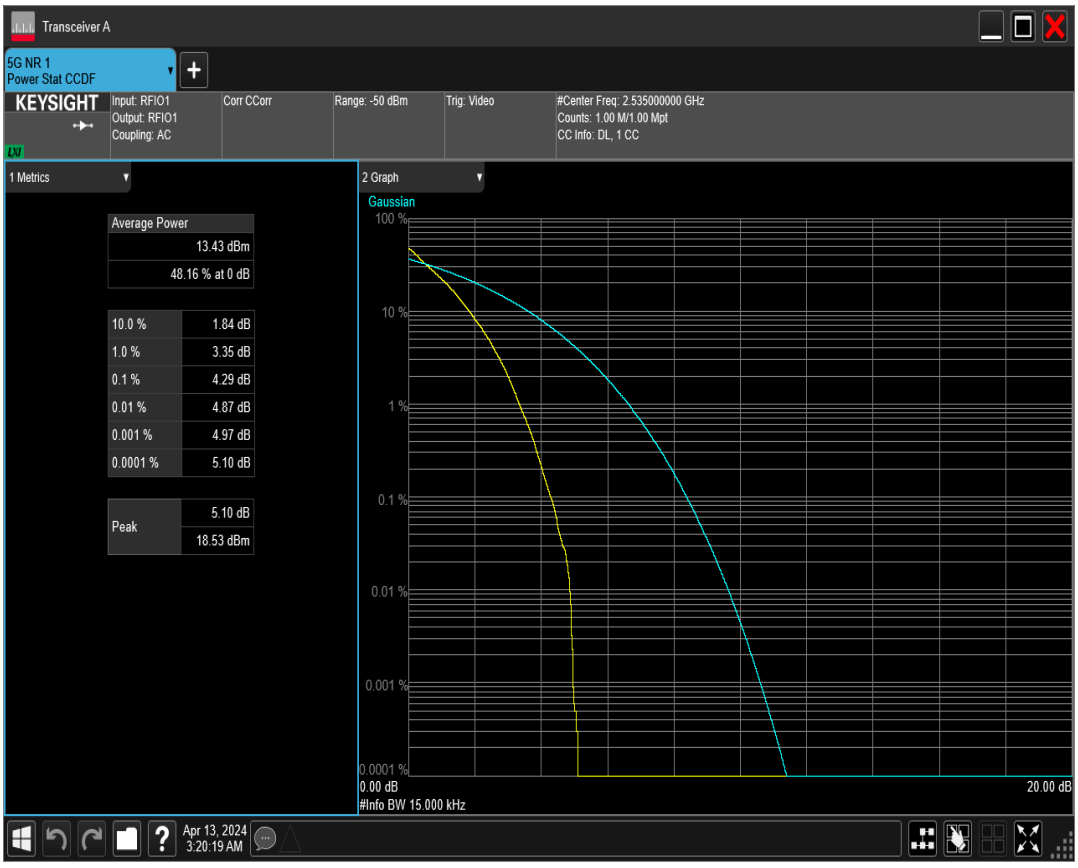
n7 SCS=15kHz DFT_BPSK BW=10MHz Channel=513000 RB=50@0



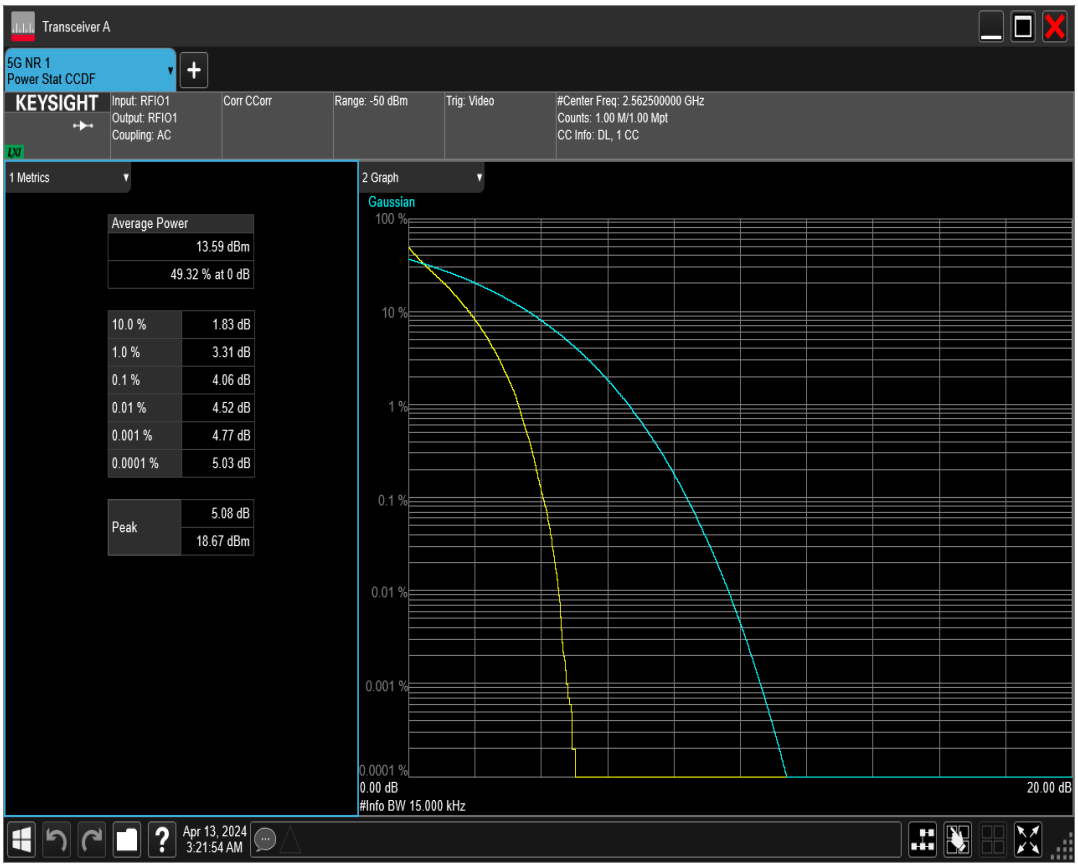
n7 SCS=15kHz DFT_BPSK BW=15MHz Channel=501500 RB=75@0



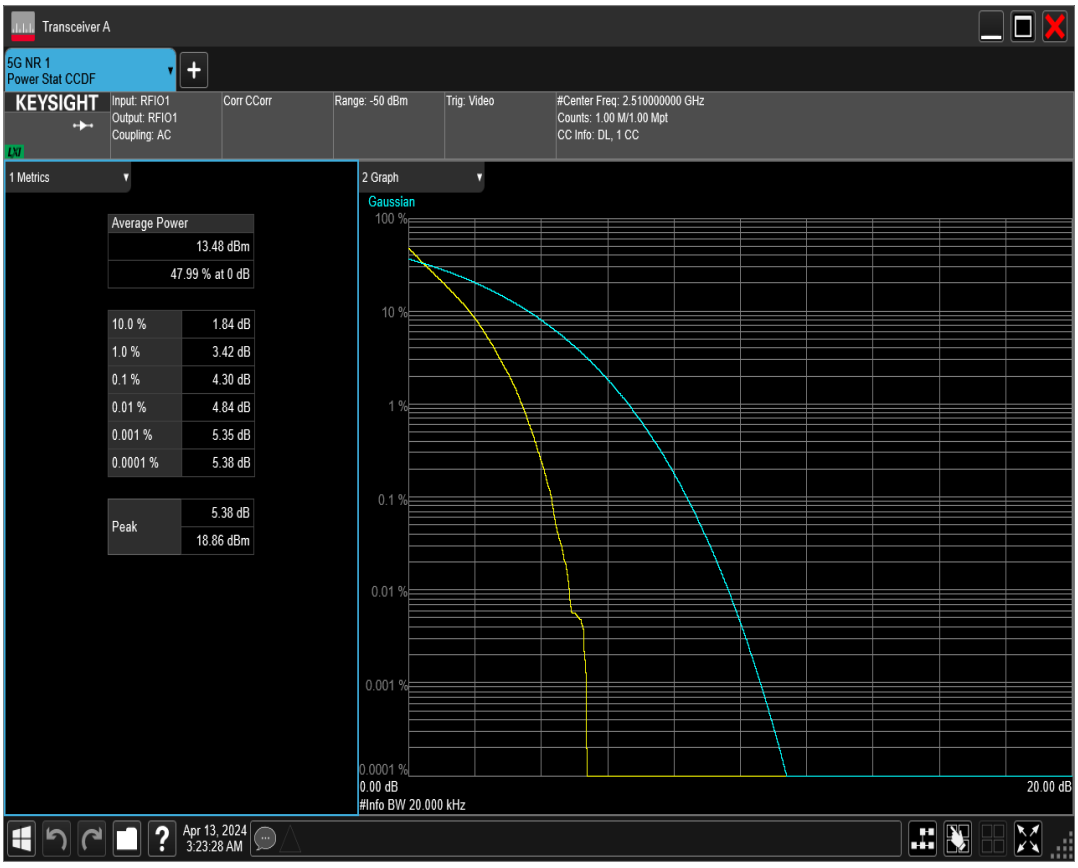
n7 SCS=15kHz DFT_BPSK BW=15MHz Channel=507000 RB=75@0



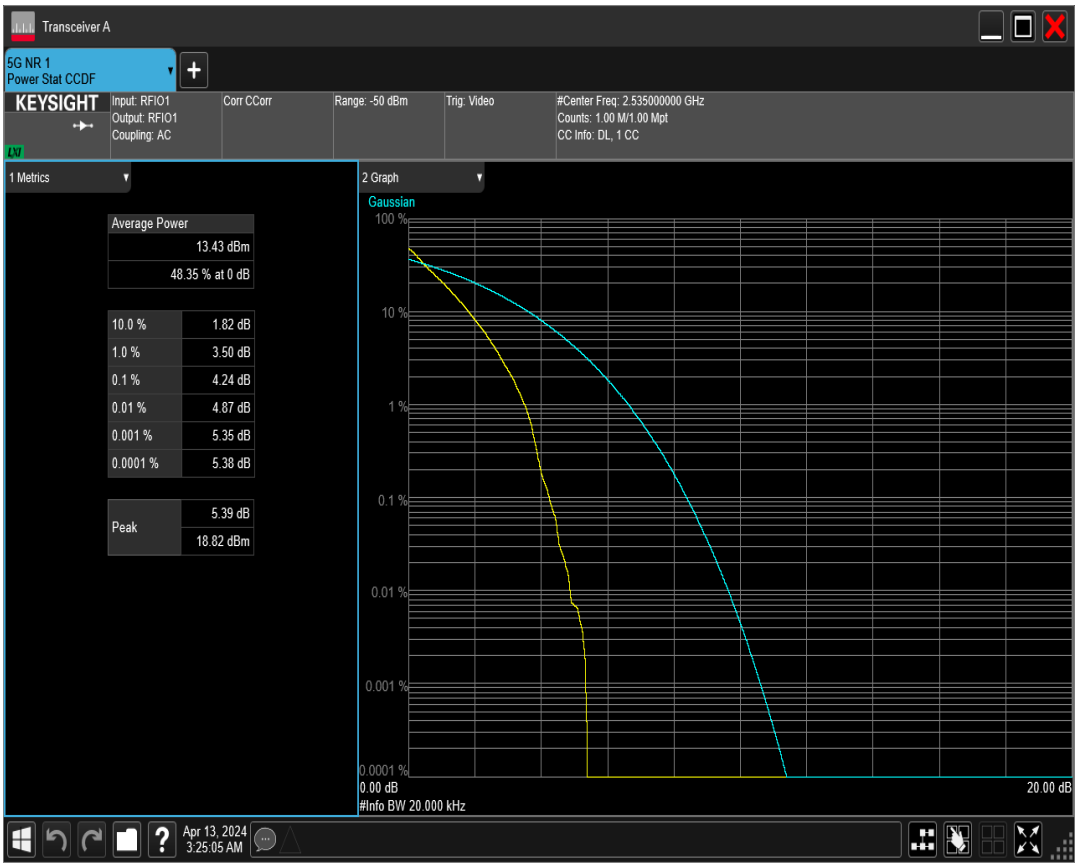
n7 SCS=15kHz DFT_BPSK BW=15MHz Channel=512500 RB=75@0



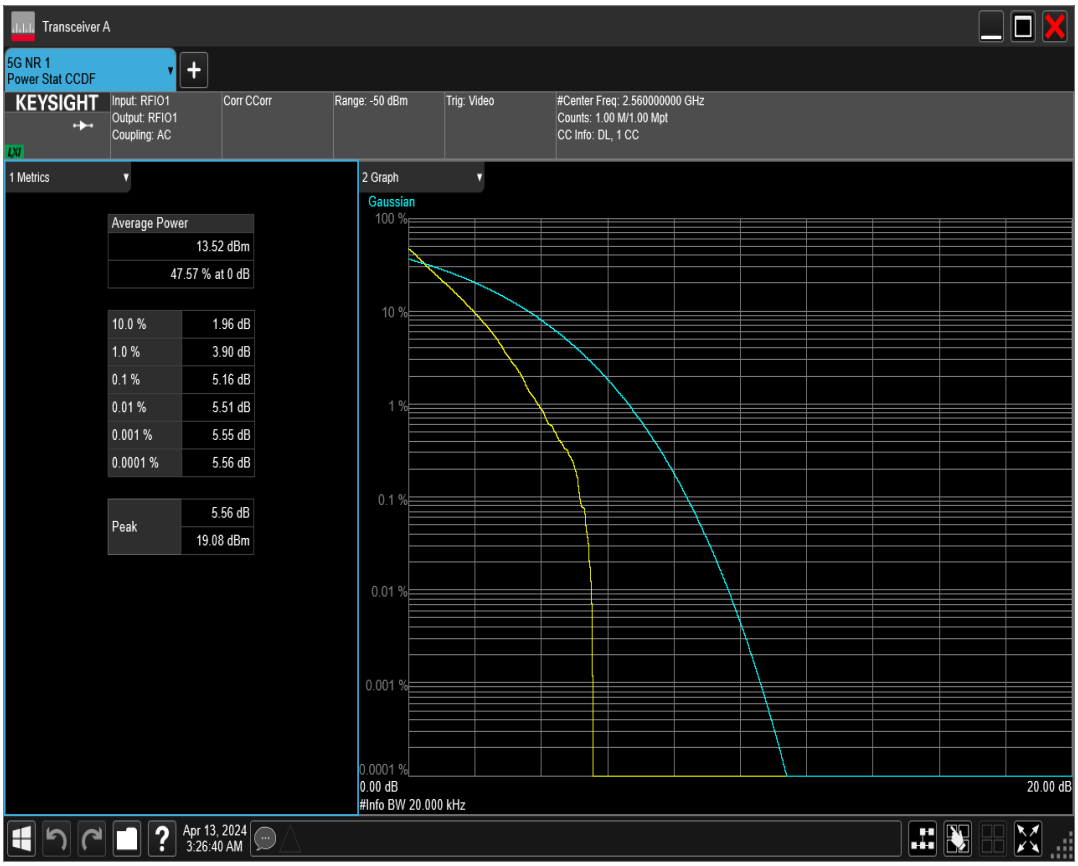
n7 SCS=15kHz DFT_BPSK BW=20MHz Channel=502000 RB=100@0



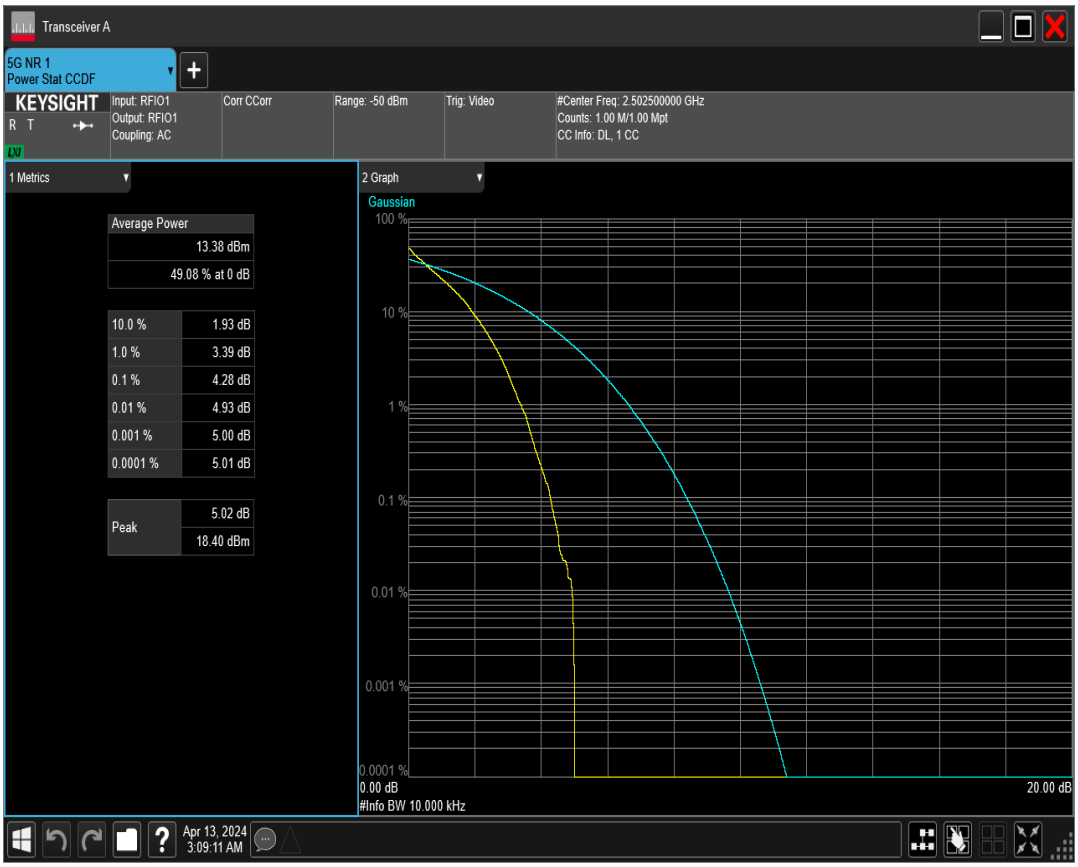
n7 SCS=15kHz DFT_BPSK BW=20MHz Channel=507000 RB=100@0



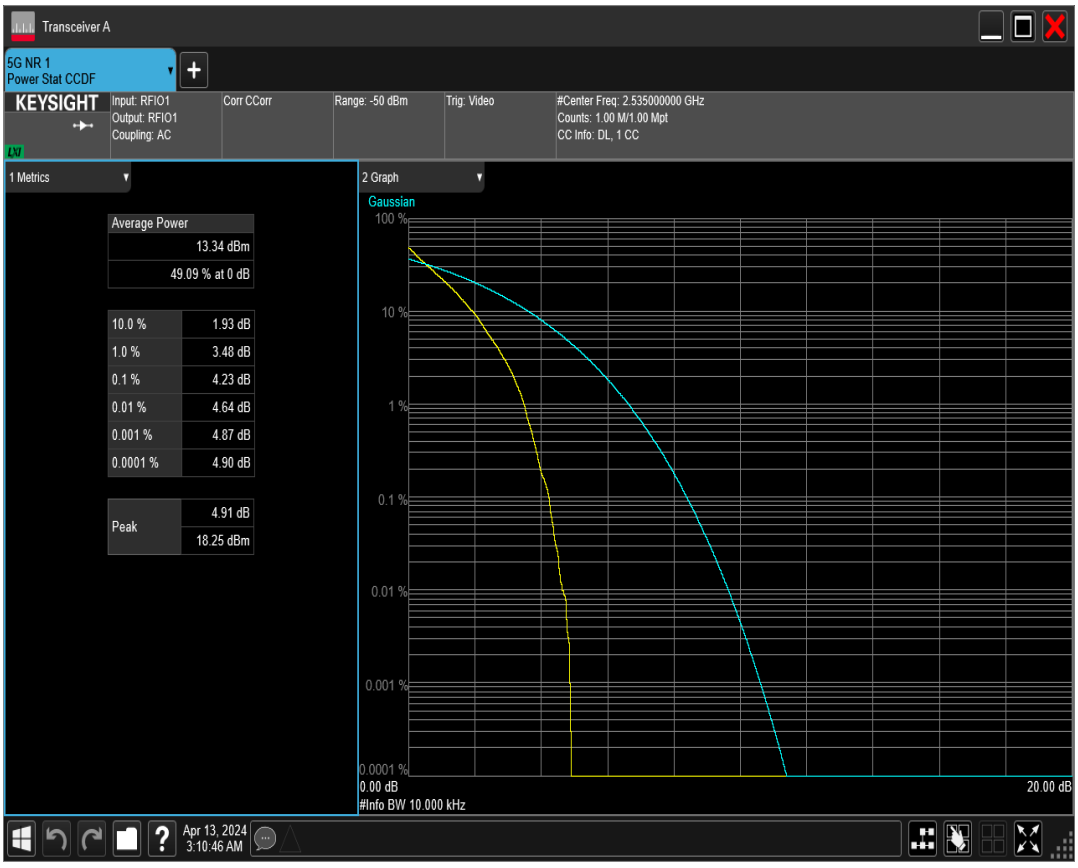
n7 SCS=15kHz DFT_BPSK BW=20MHz Channel=512000 RB=100@0



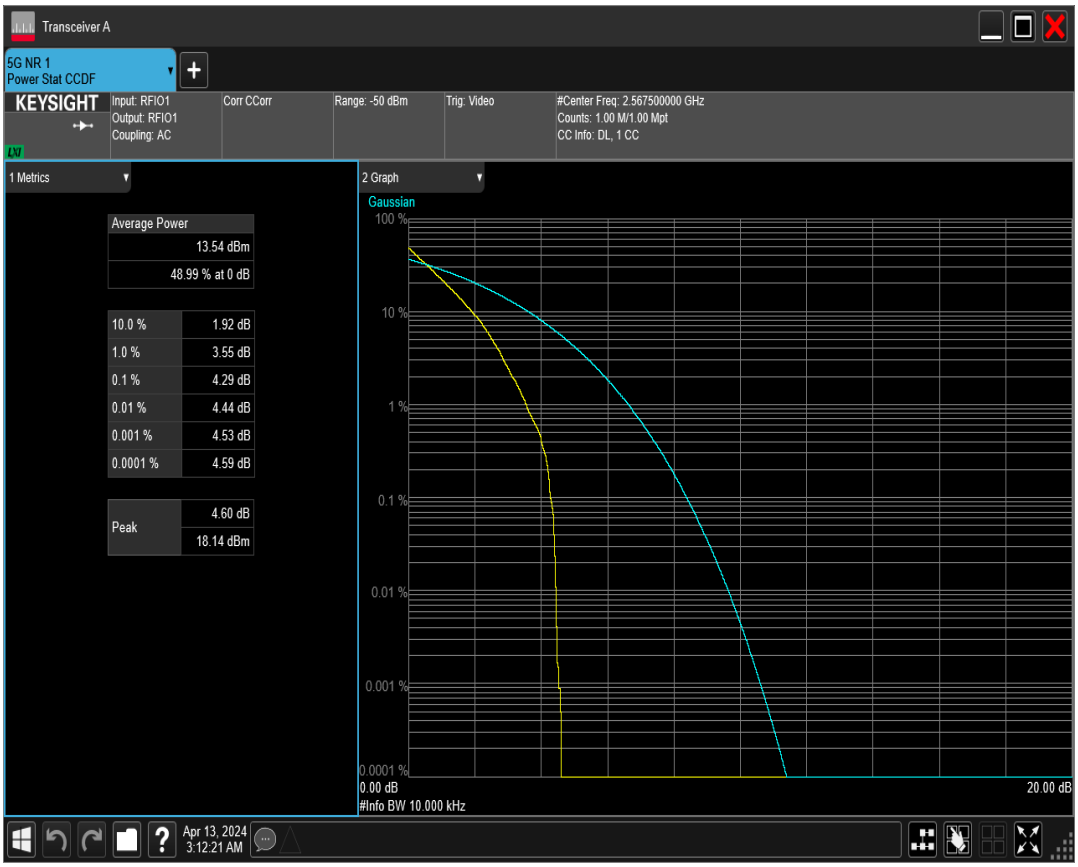
n7 SCS=15kHz DFT_BPSK BW=5MHz Channel=500500 RB=25@0



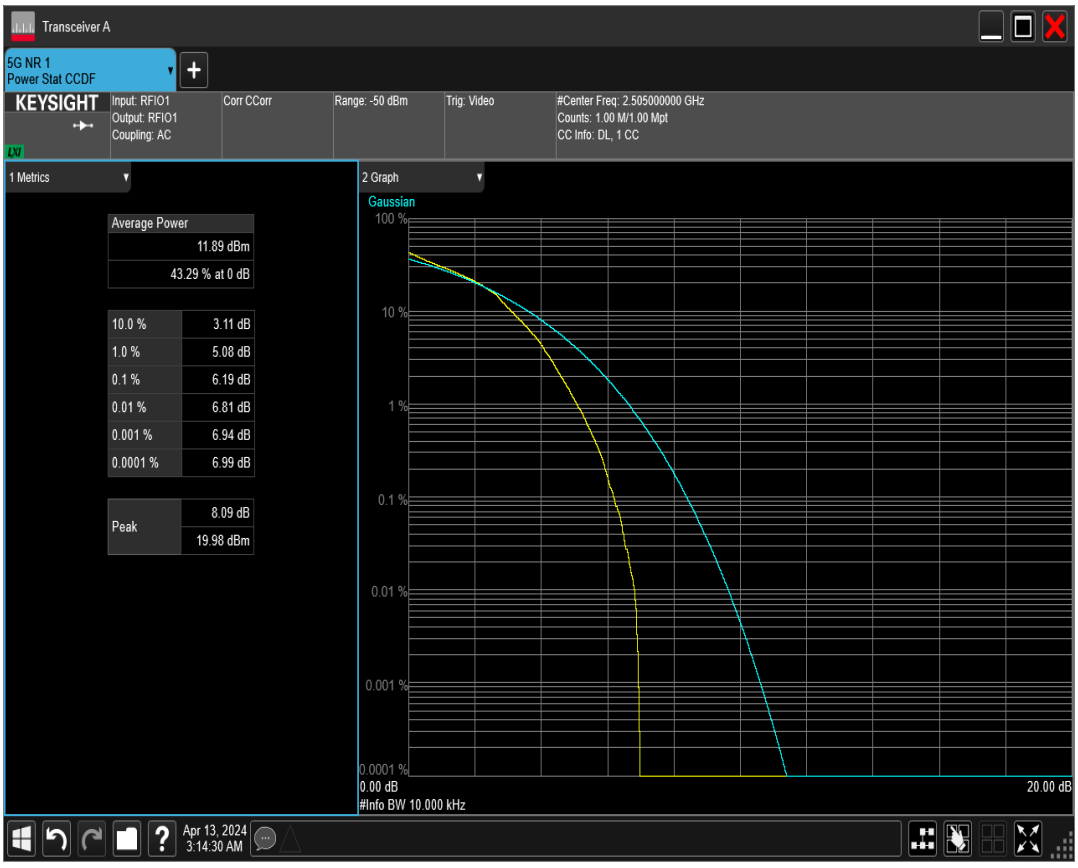
n7 SCS=15kHz DFT_BPSK BW=5MHz Channel=507000 RB=25@0



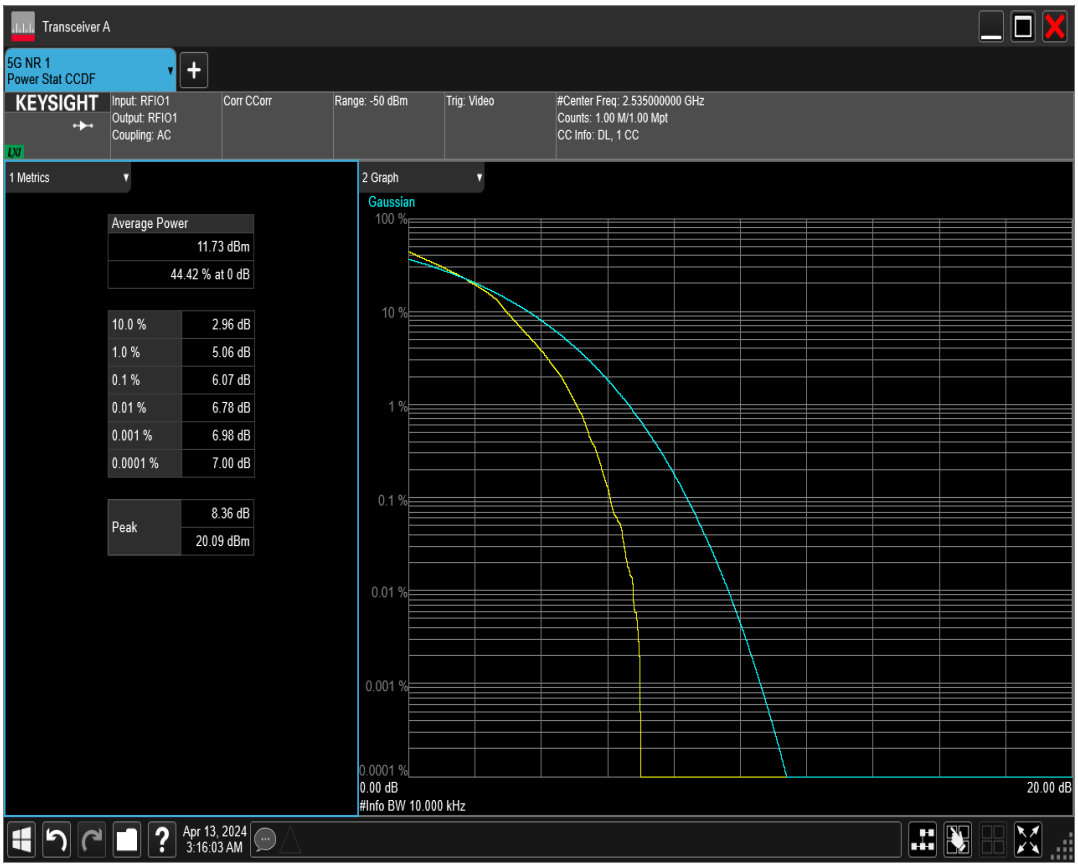
n7 SCS=15kHz DFT_BPSK BW=5MHz Channel=513500 RB=25@0



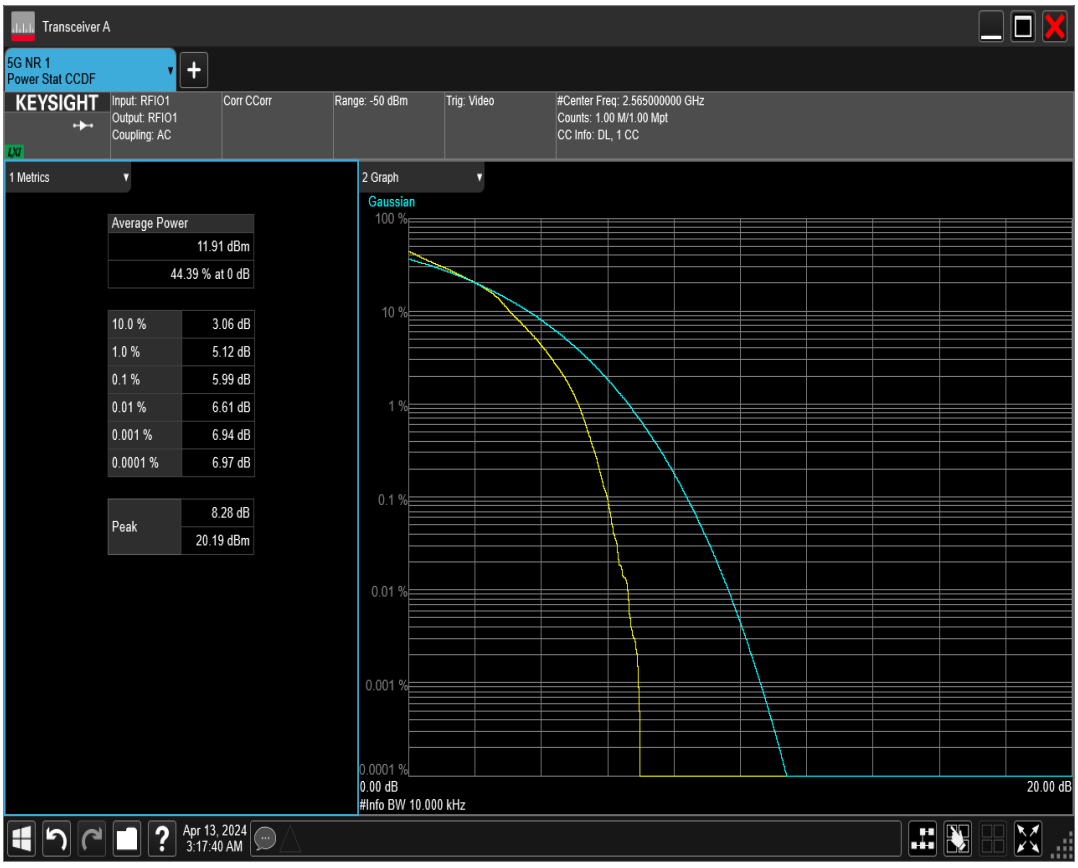
n7 SCS=15kHz DFT_QAM16 BW=10MHz Channel=501000 RB=50@0



n7 SCS=15kHz DFT_QAM16 BW=10MHz Channel=507000 RB=50@0



n7 SCS=15kHz DFT_QAM16 BW=10MHz Channel=513000 RB=50@0



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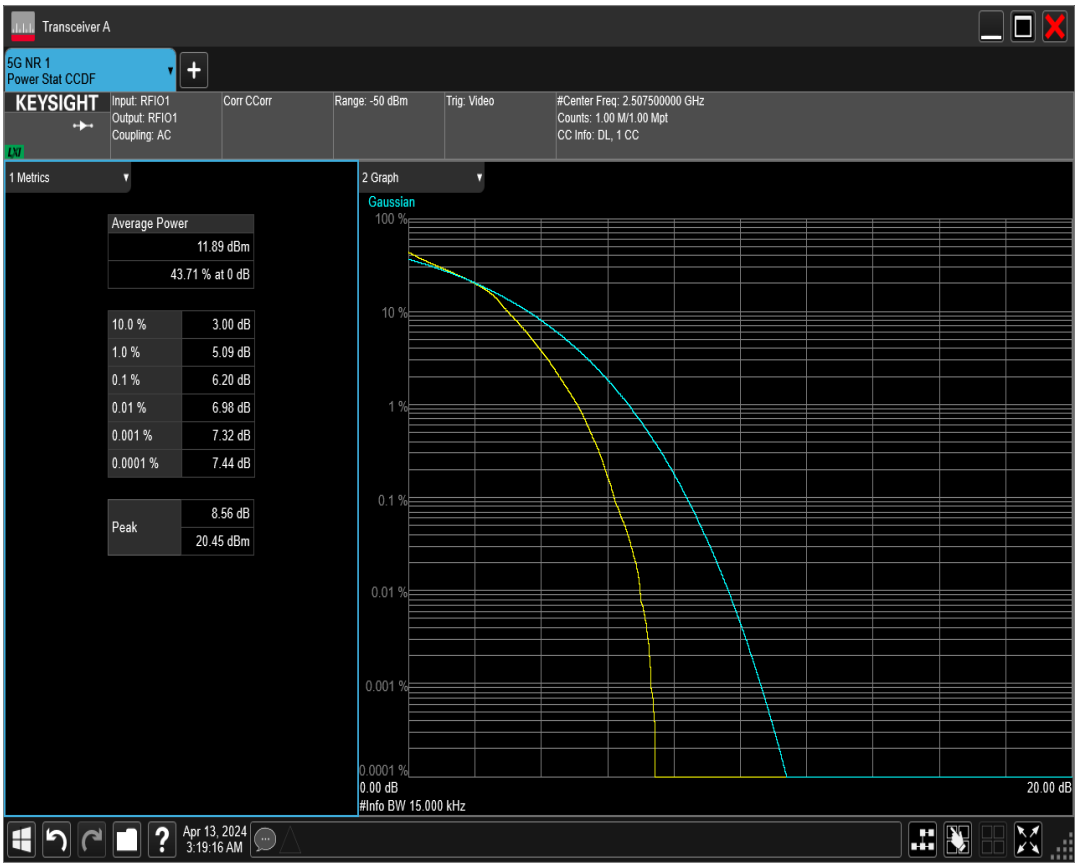

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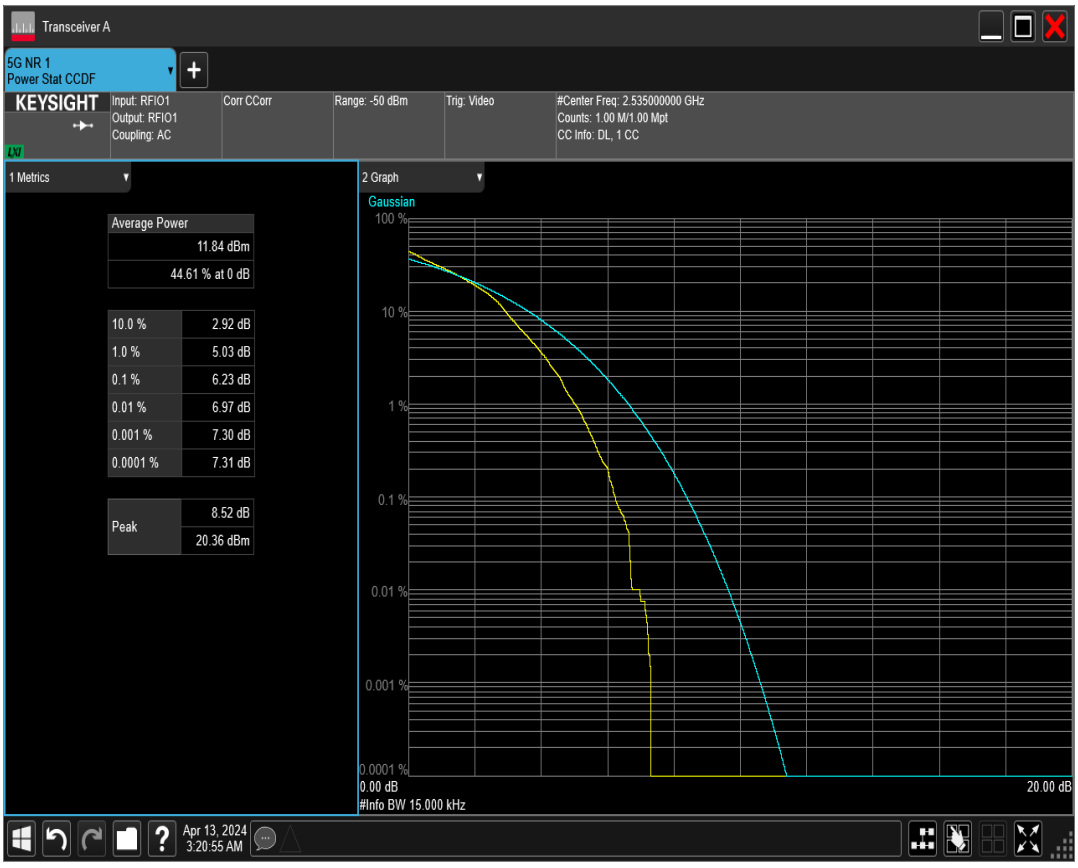

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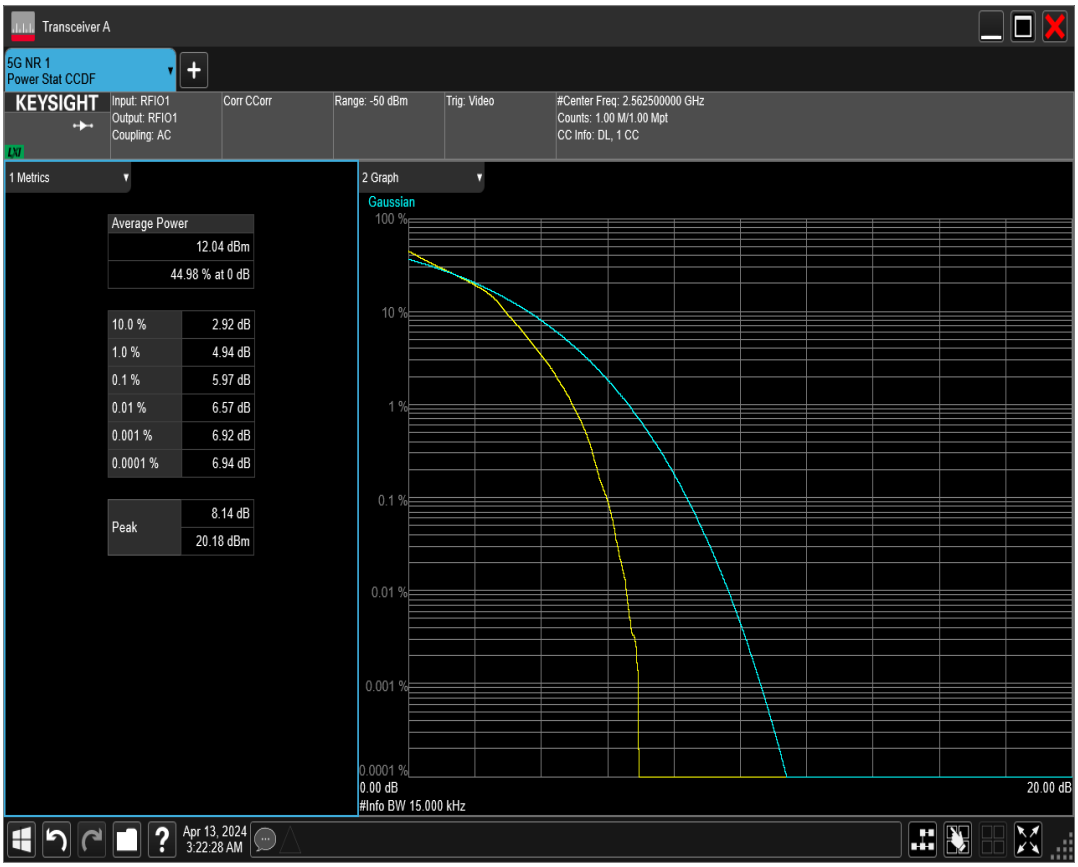

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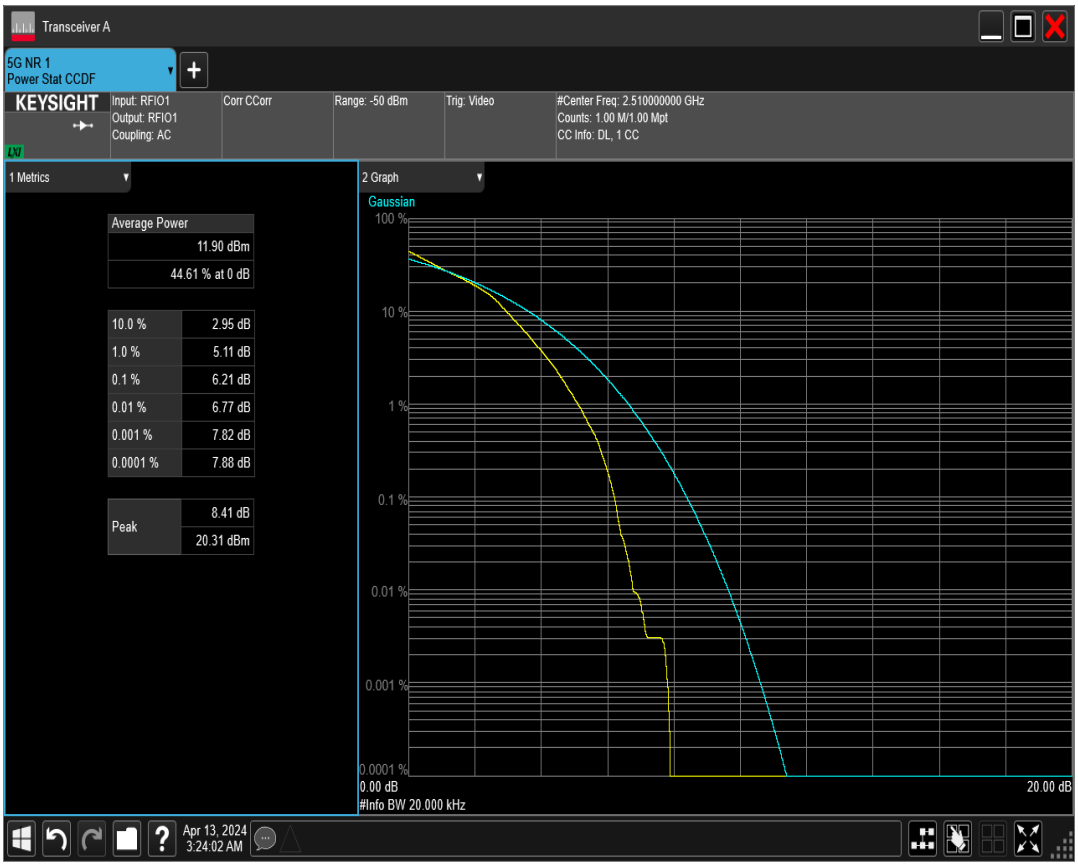

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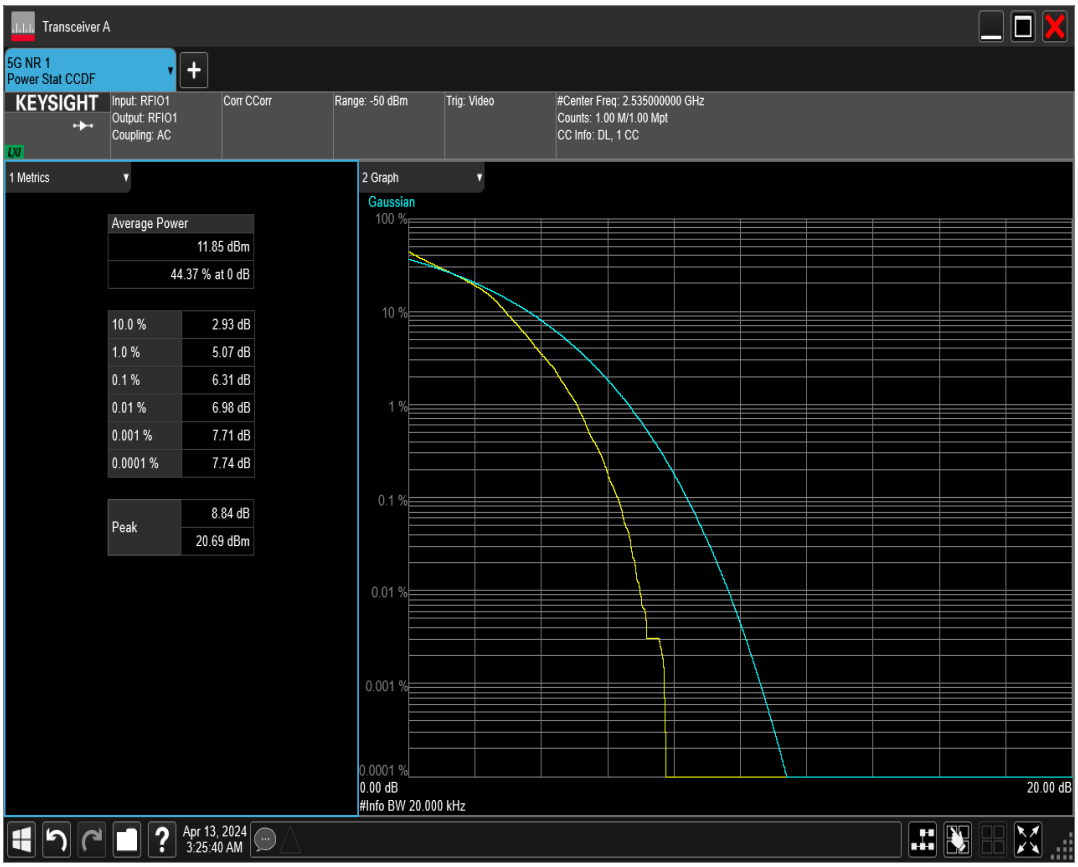

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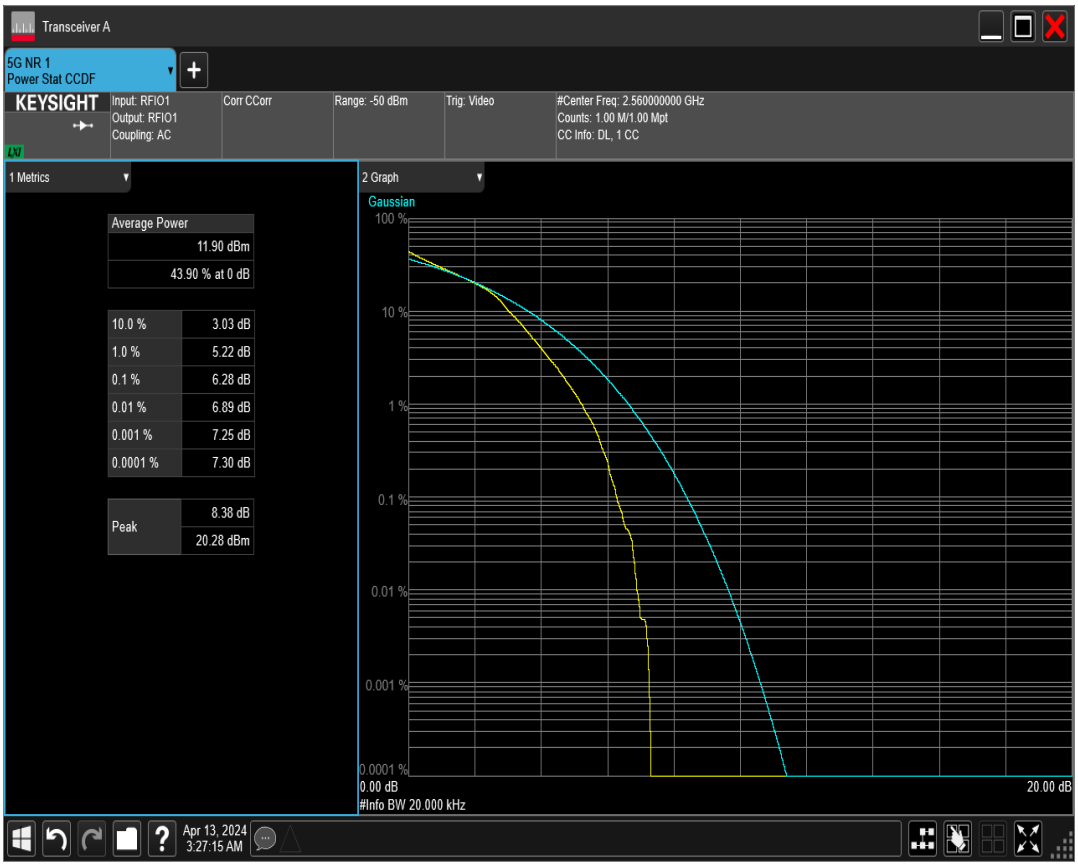

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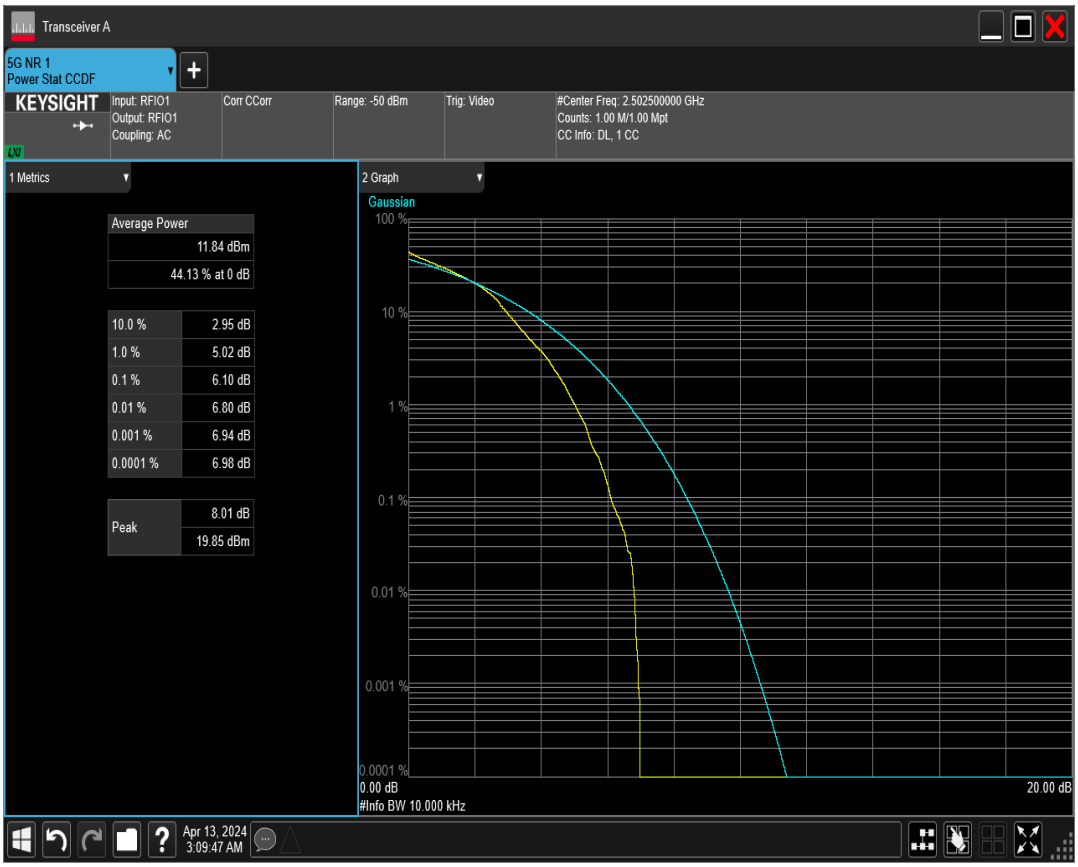
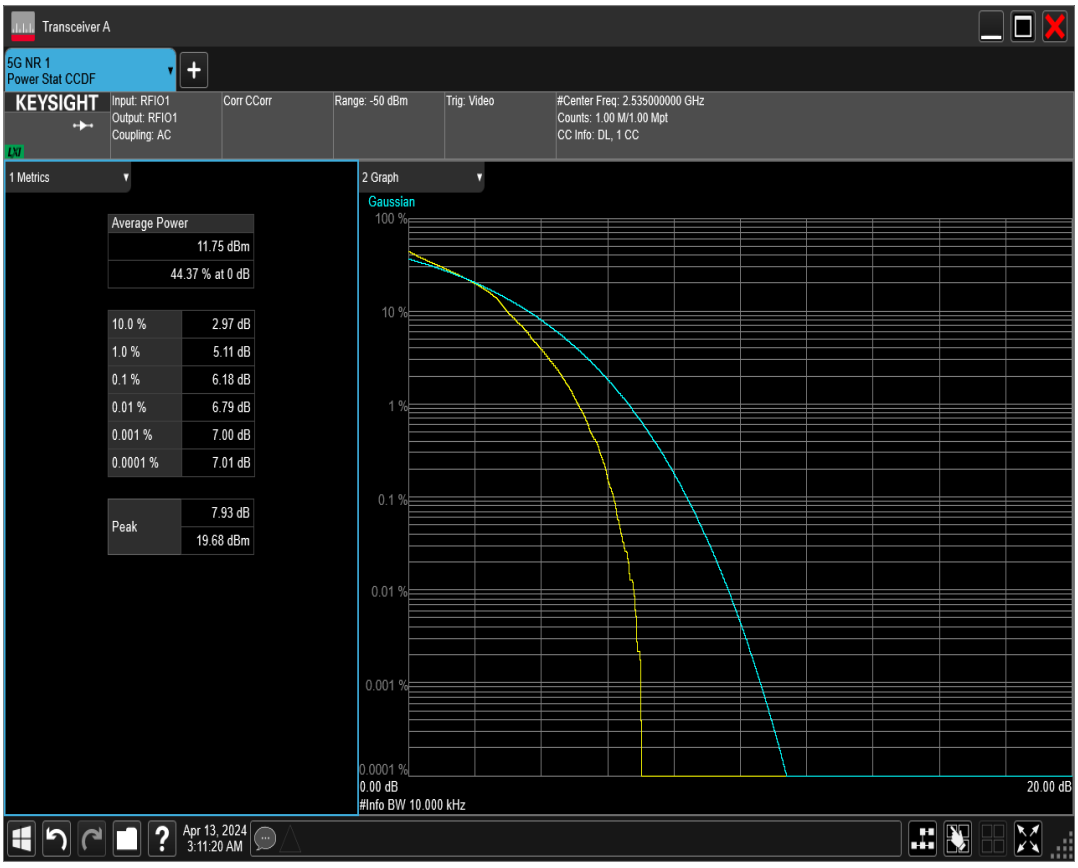


n7 SCS=15kHz DFT_QAM16 BW=5MHz Channel=507000 RB=25@0



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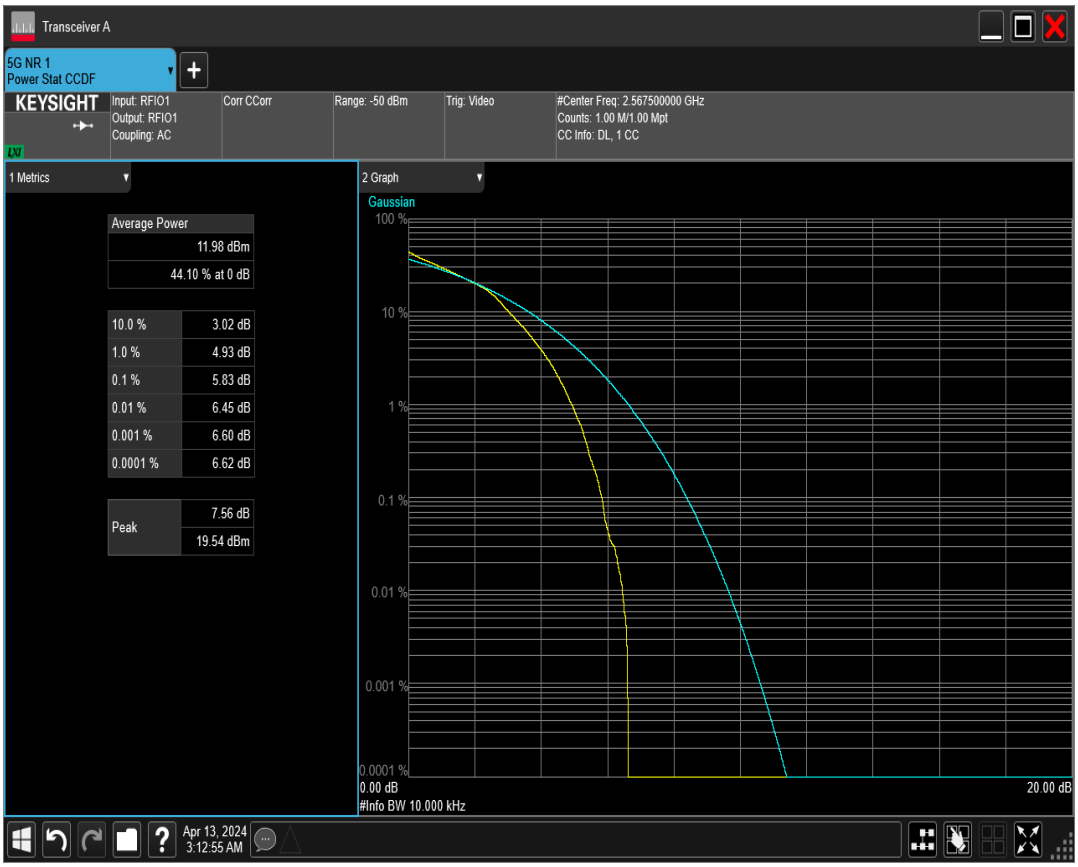

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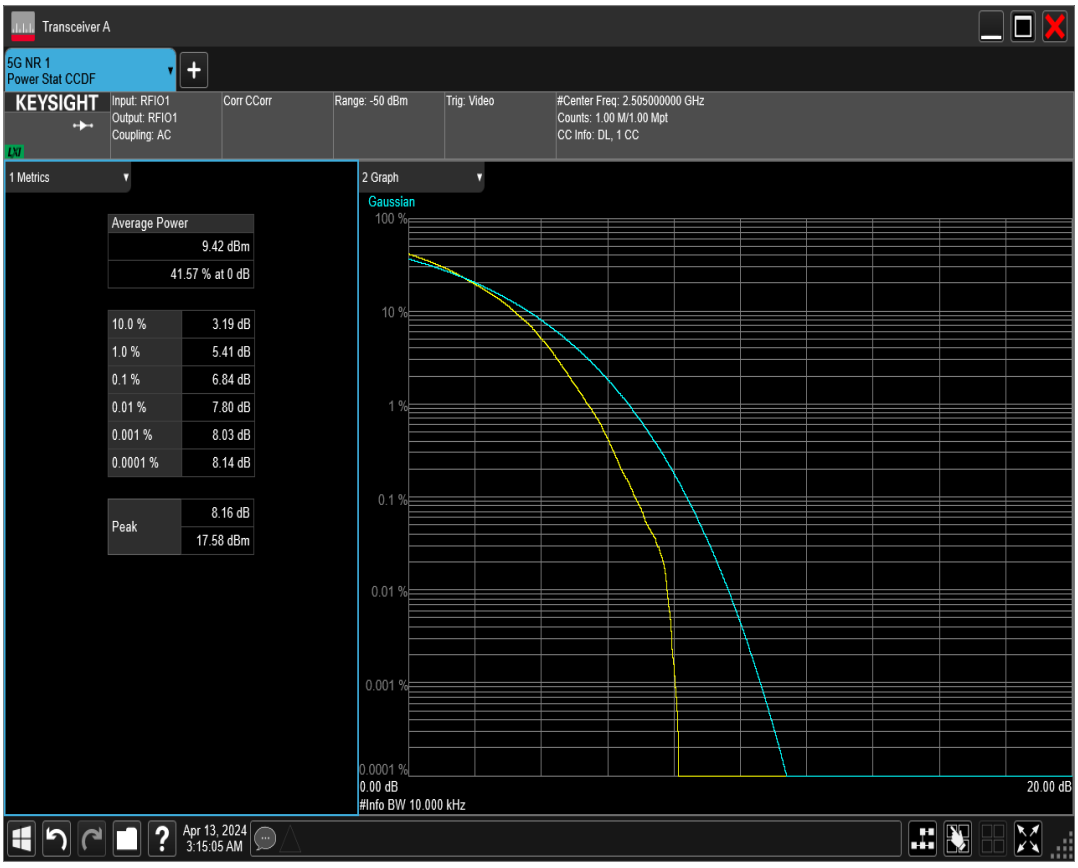

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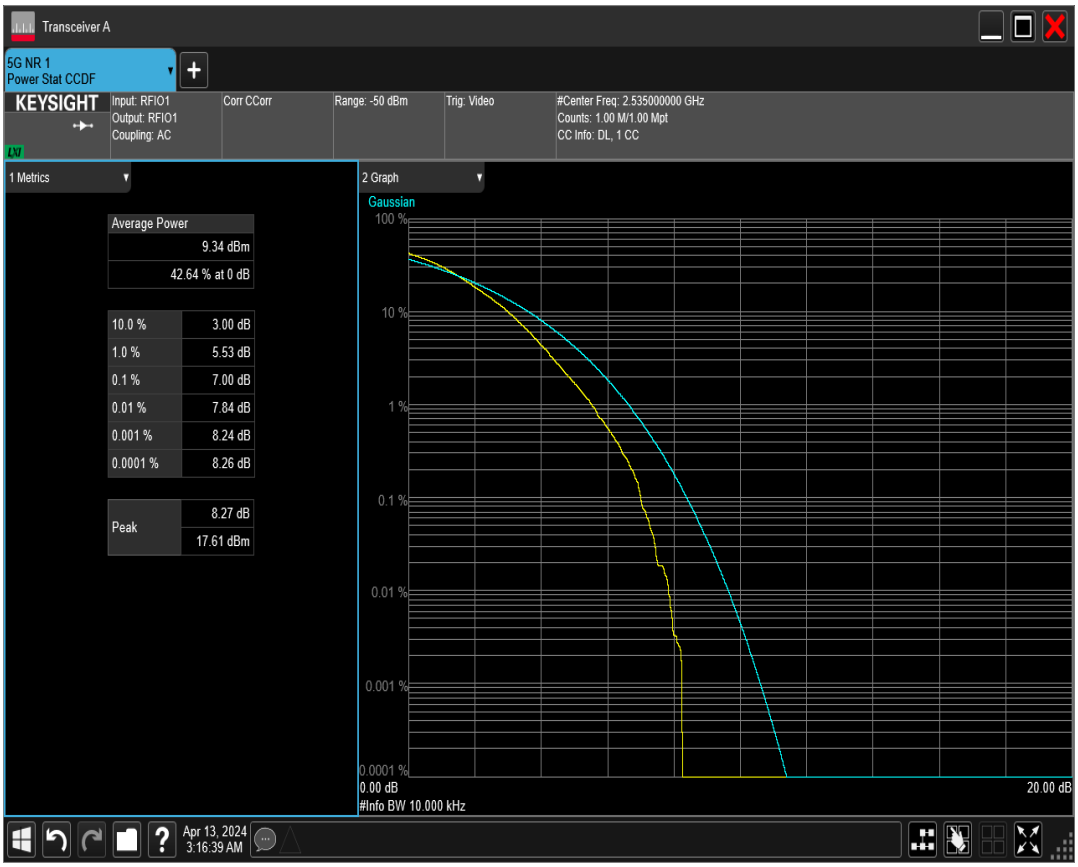

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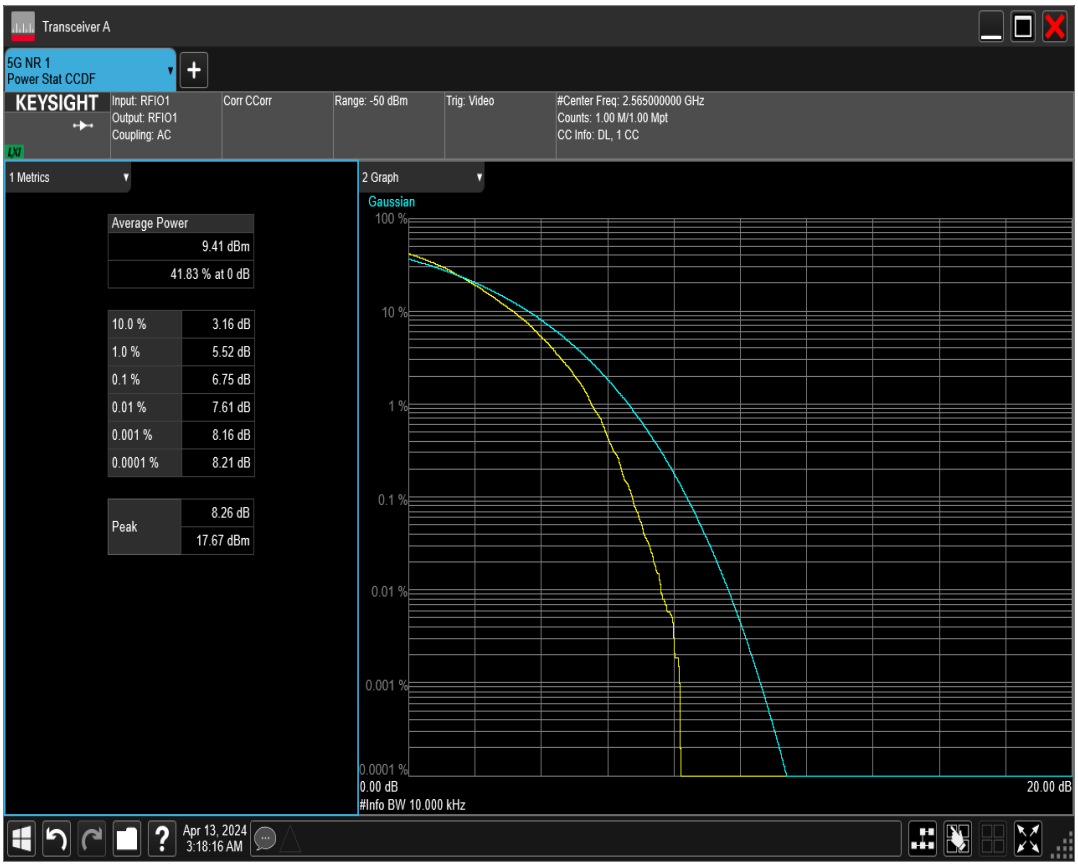

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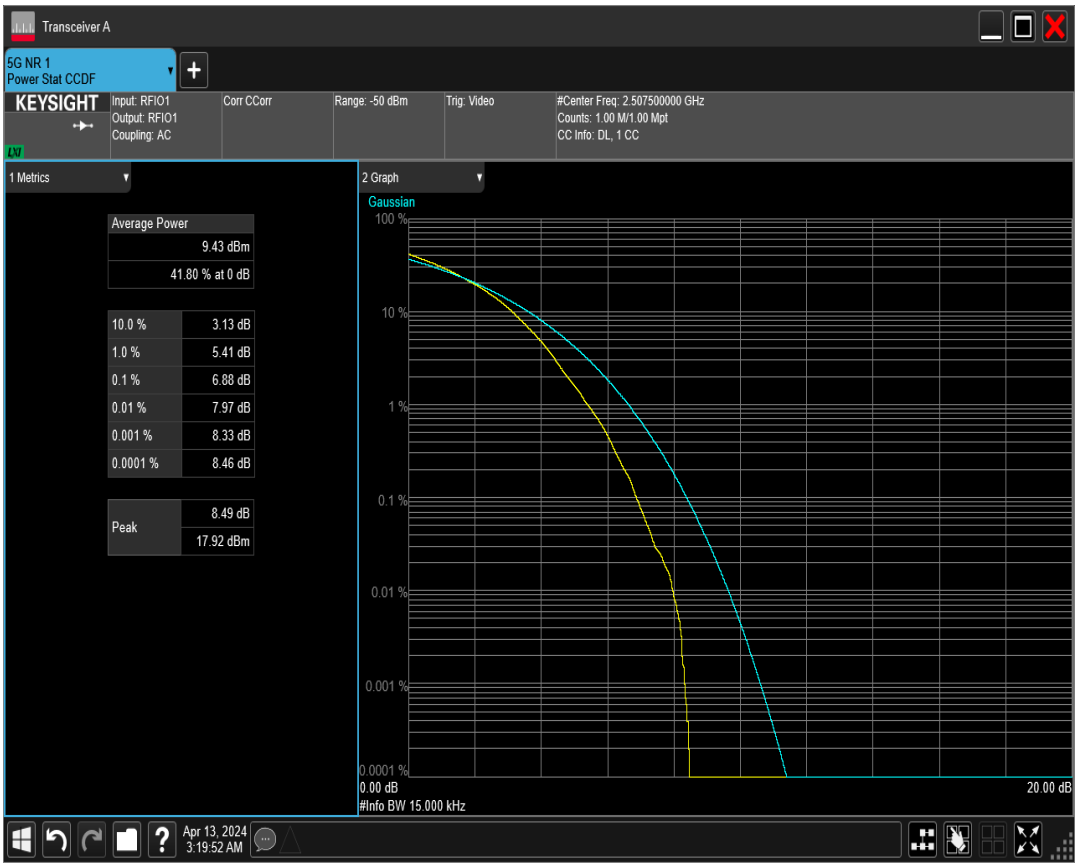
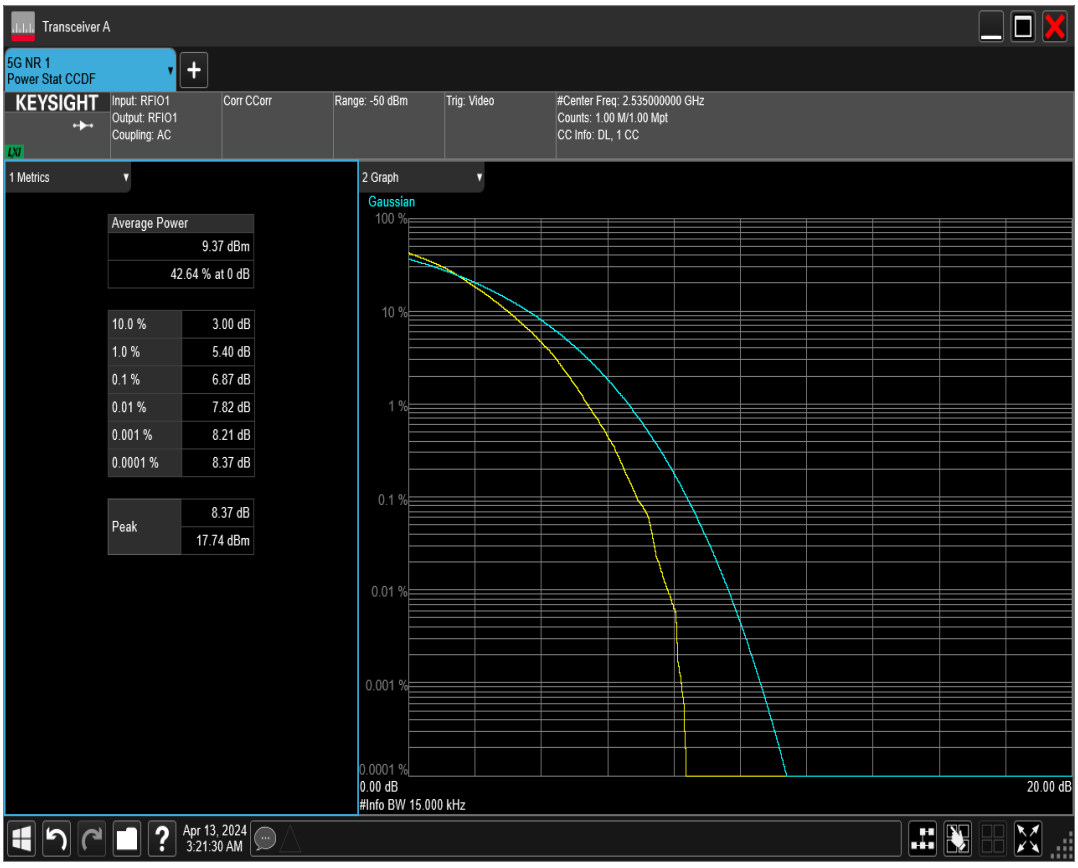
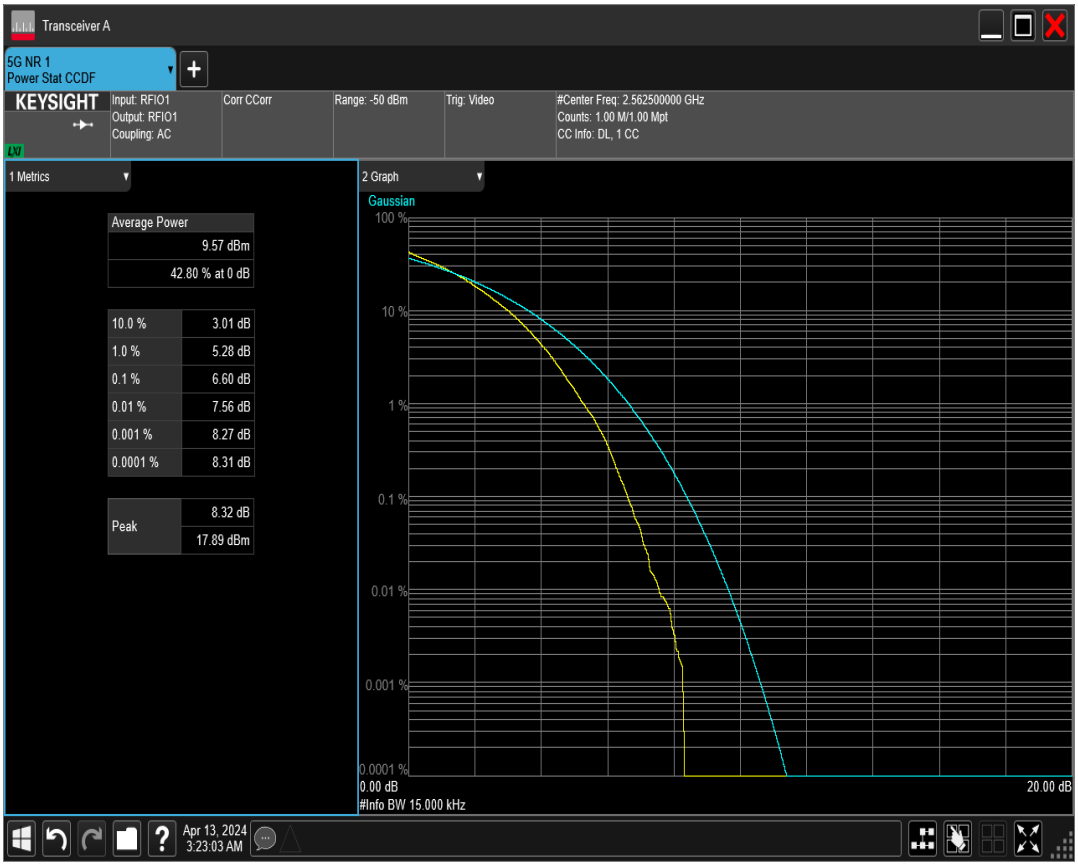


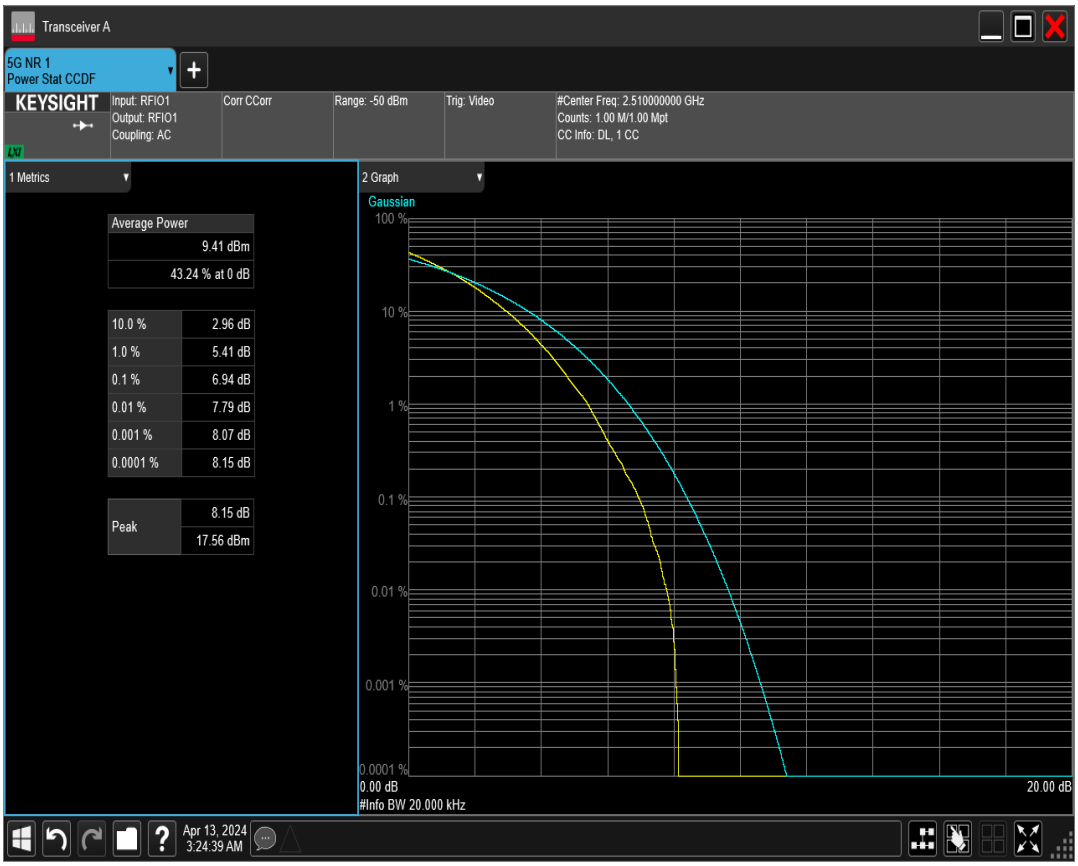
n7 SCS=15kHz DFT_QAM256 BW=15MHz Channel=507000 RB=75@0



n7 SCS=15kHz DFT_QAM256 BW=15MHz Channel=512500 RB=75@0



n7 SCS=15kHz DFT_QAM256 BW=20MHz Channel=502000 RB=100@0



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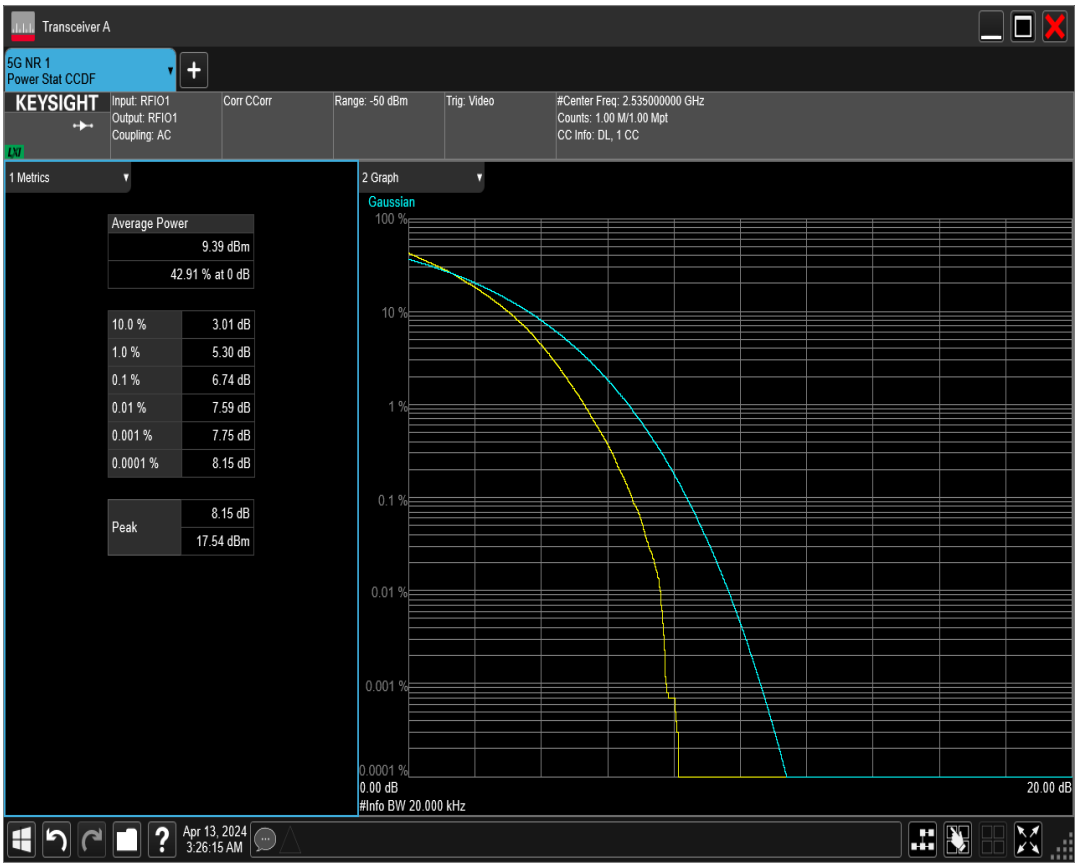

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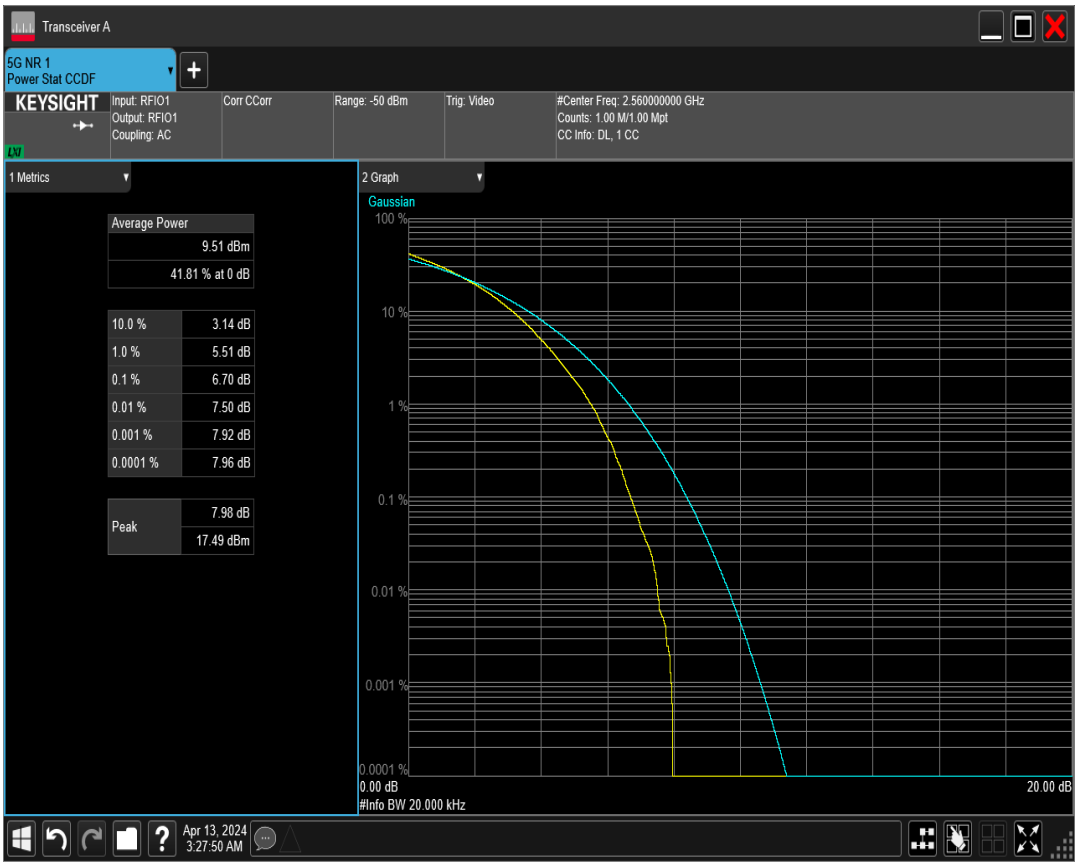
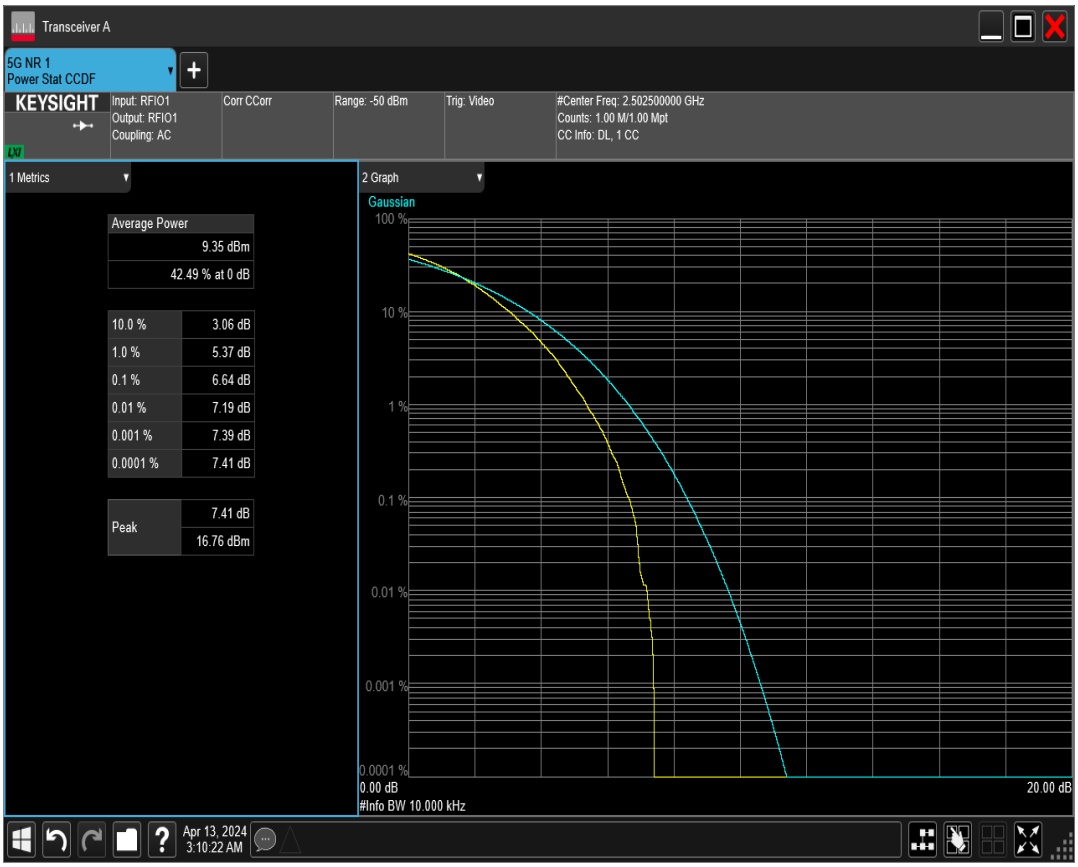
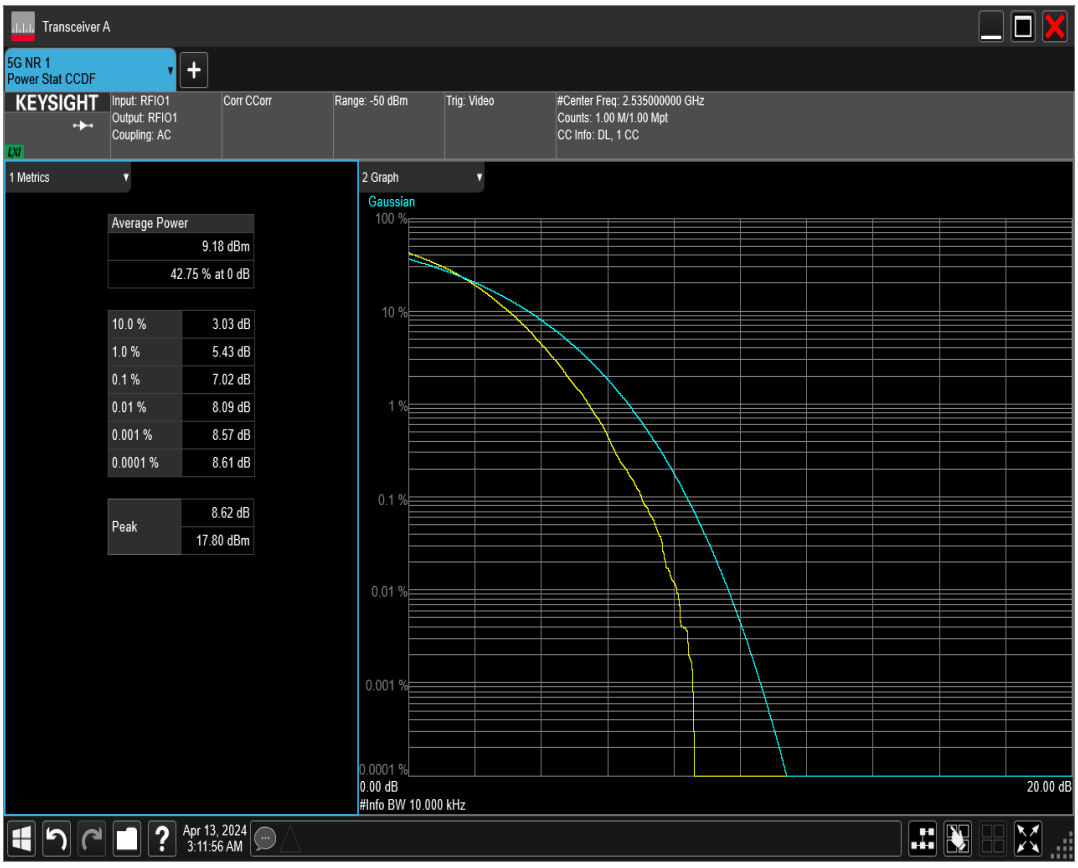


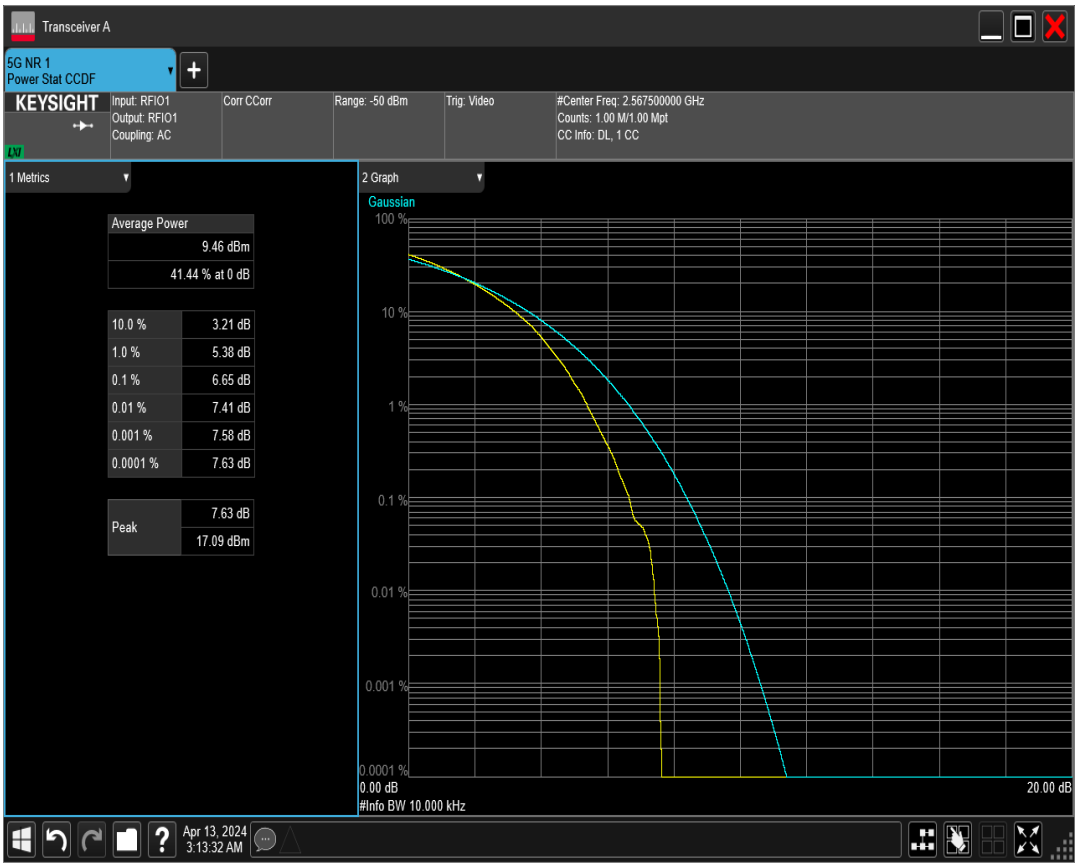
n7 SCS=15kHz DFT_QAM256 BW=5MHz Channel=500500 RB=25@0



n7 SCS=15kHz DFT_QAM256 BW=5MHz Channel=507000 RB=25@0



n7 SCS=15kHz DFT_QAM256 BW=5MHz Channel=513500 RB=25@0



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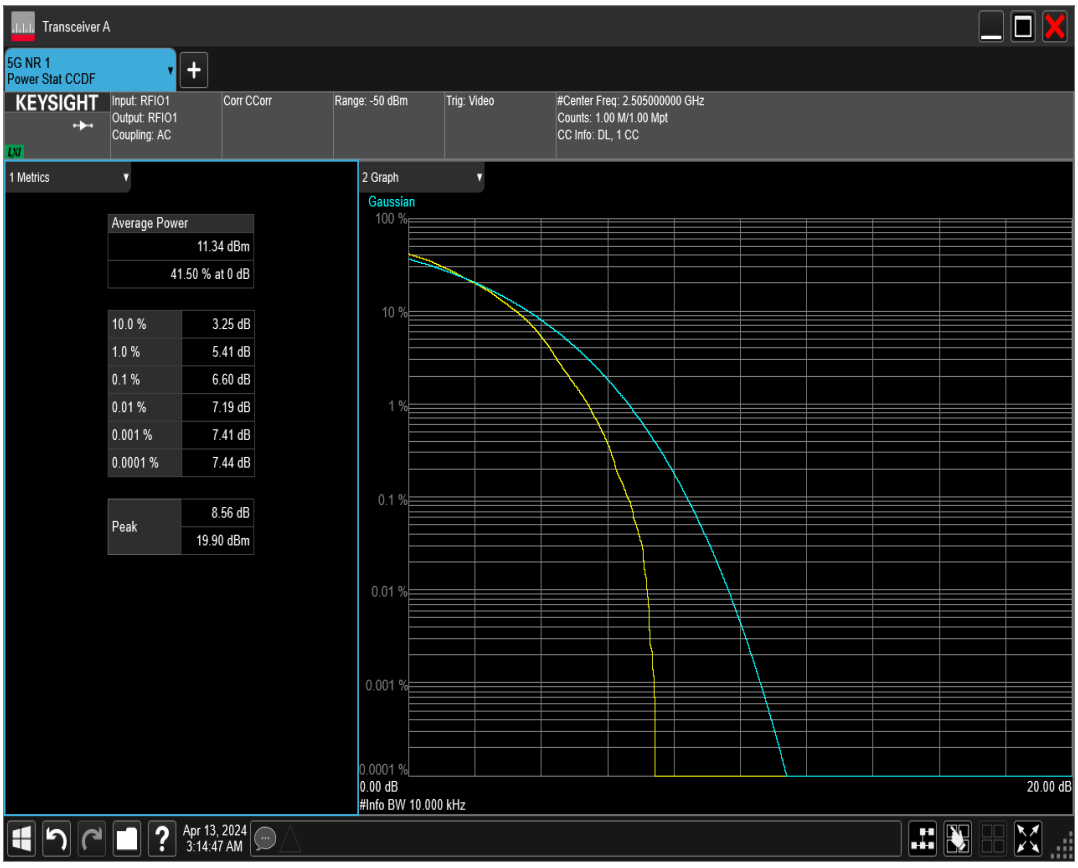

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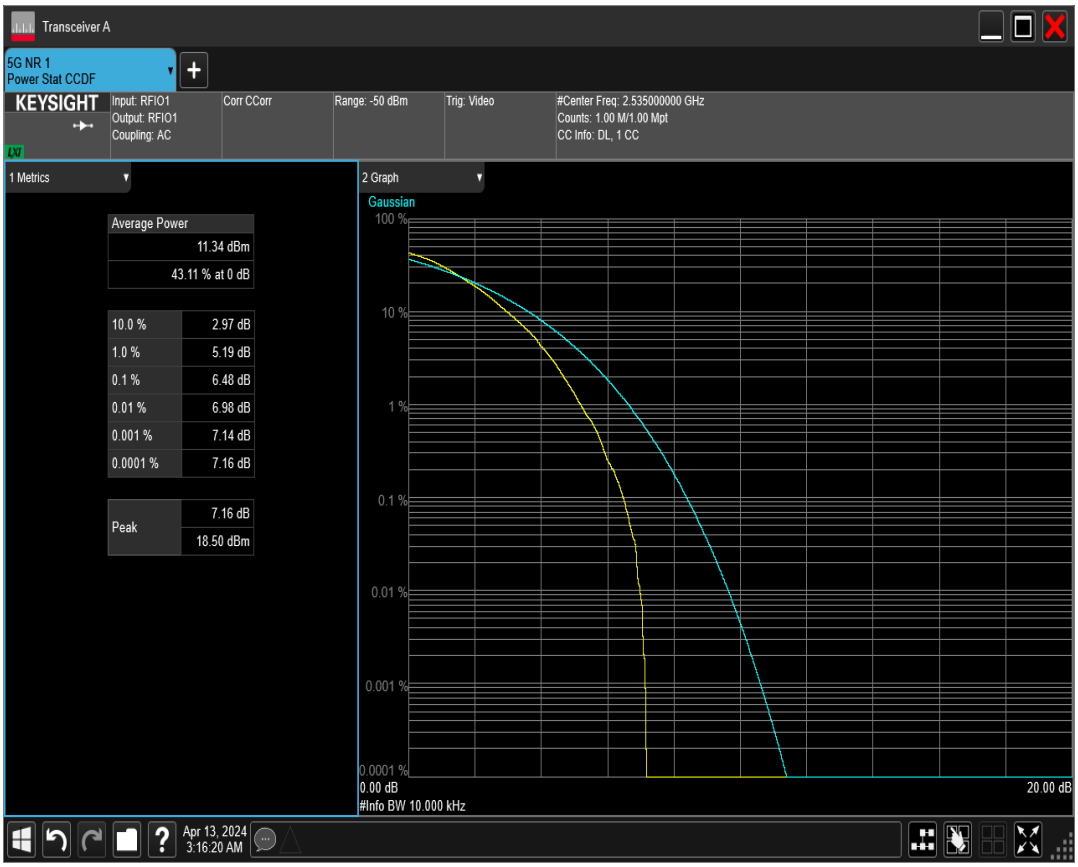

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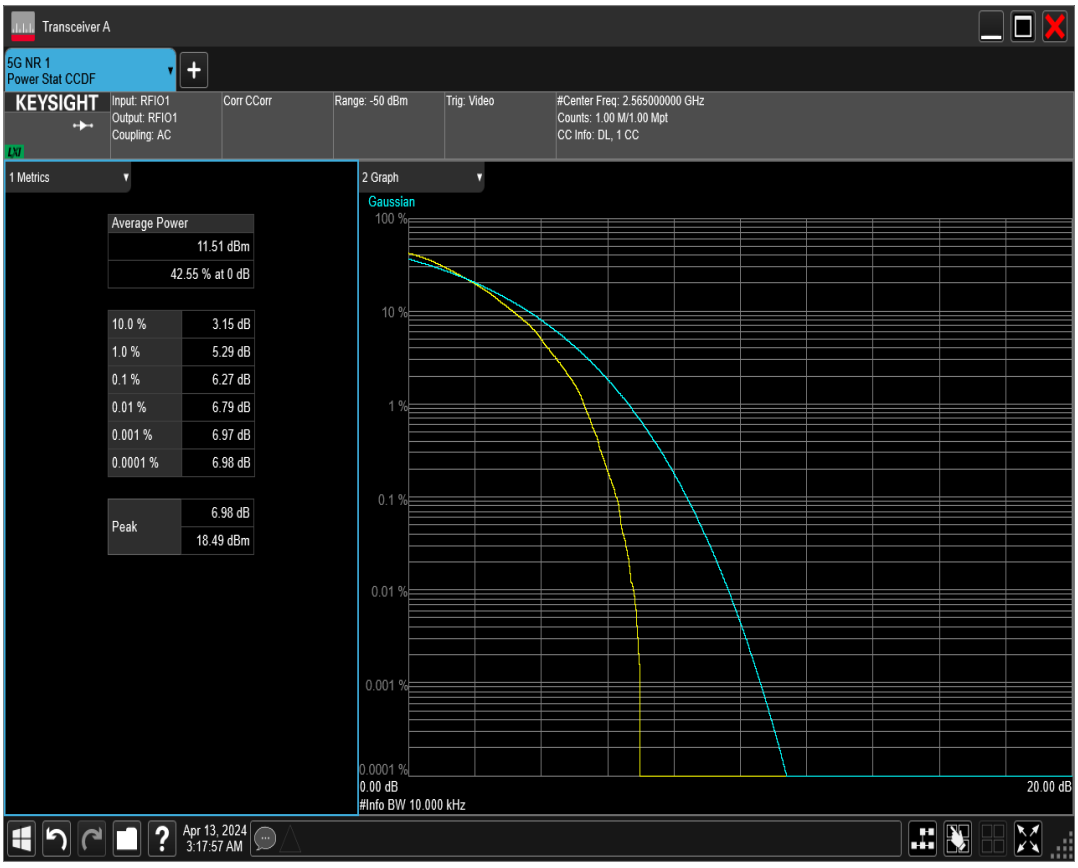
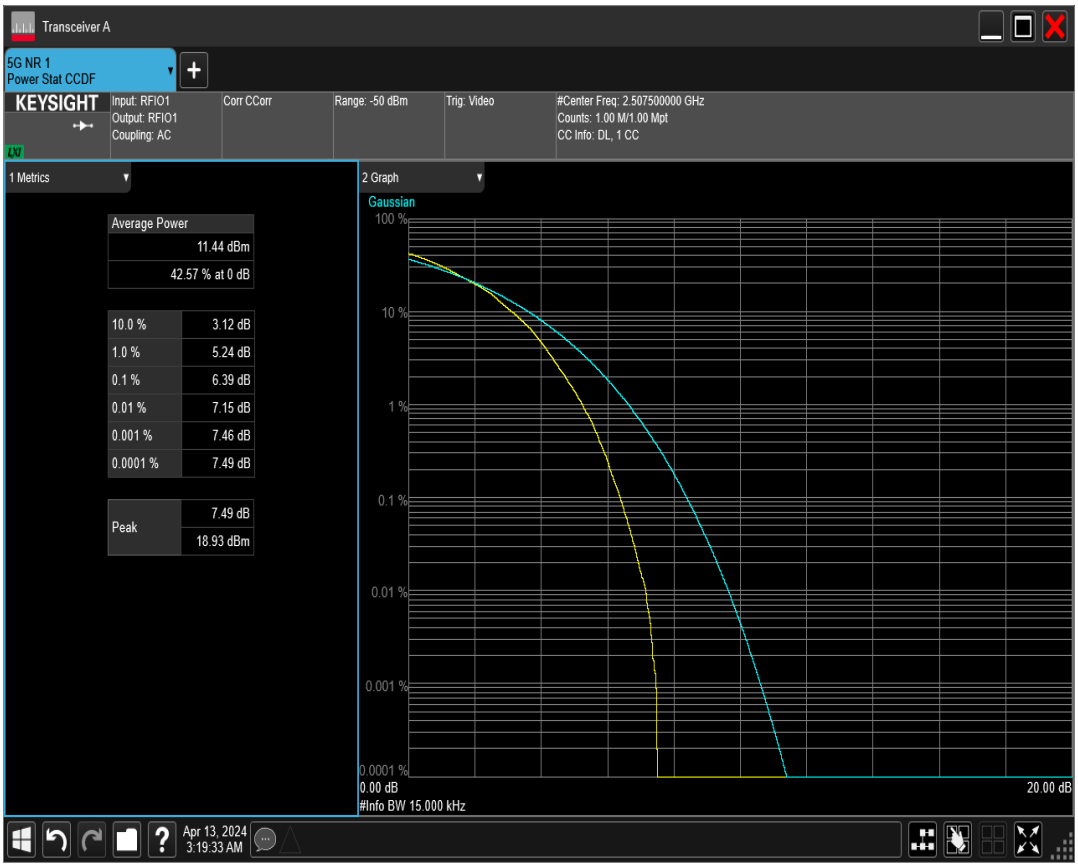


n7 SCS=15kHz DFT_QAM64 BW=15MHz Channel=501500 RB=75@0



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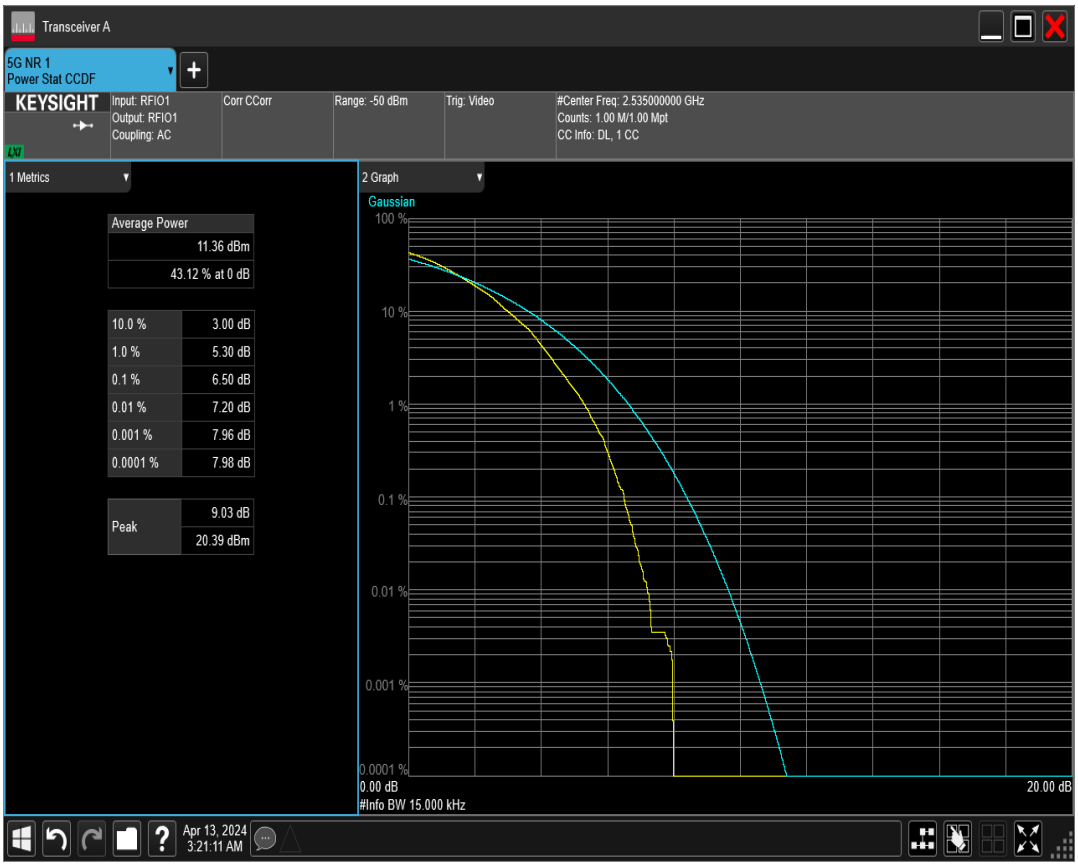
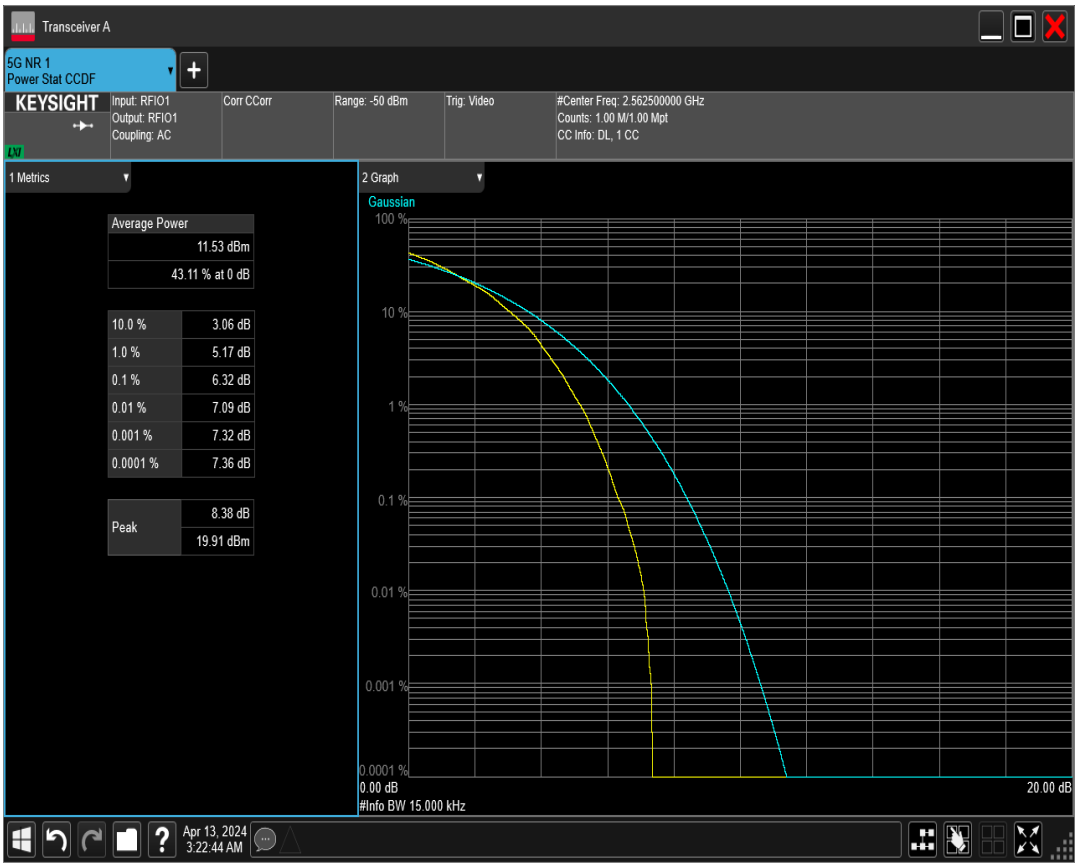
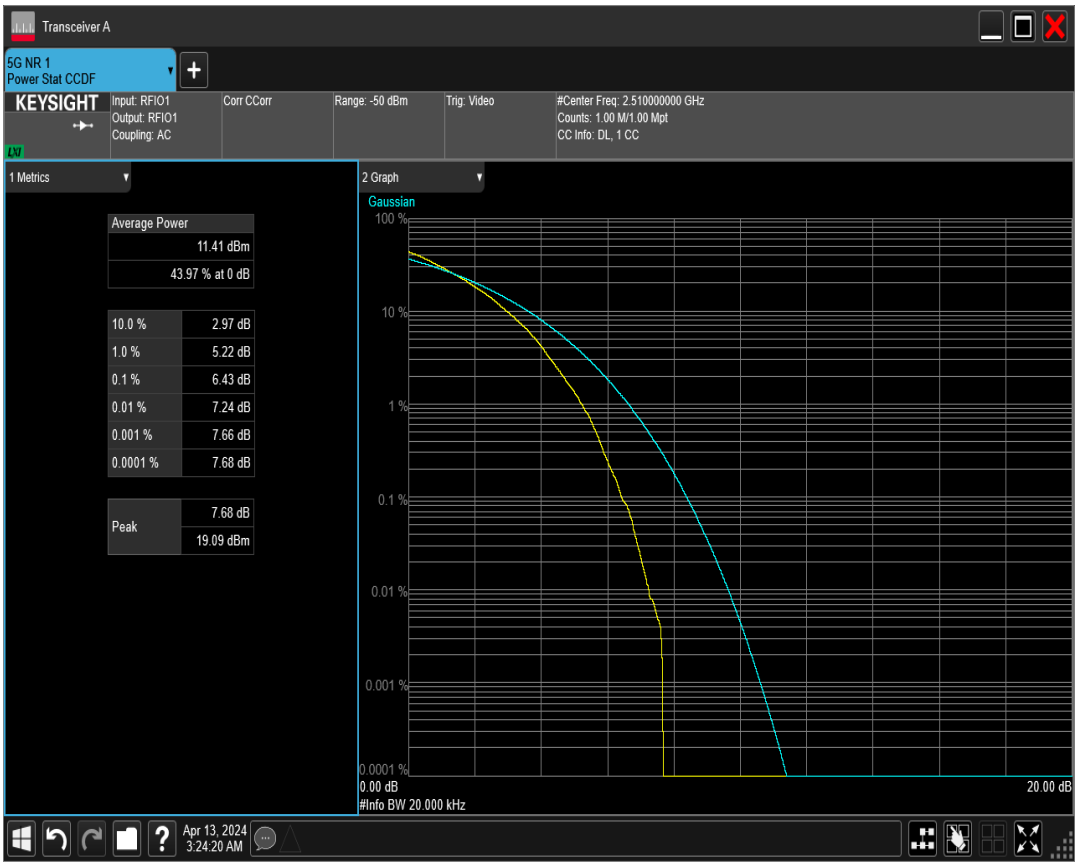


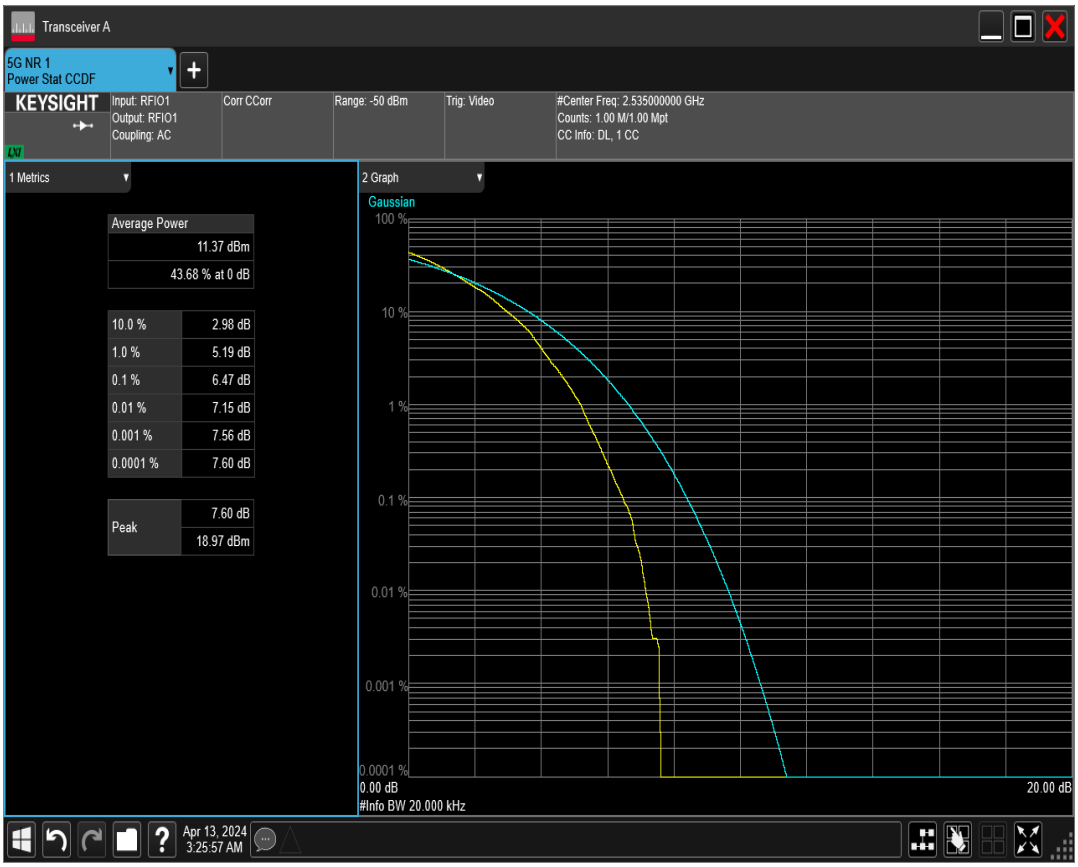
n7 SCS=15kHz DFT_QAM64 BW=15MHz Channel=512500 RB=75@0



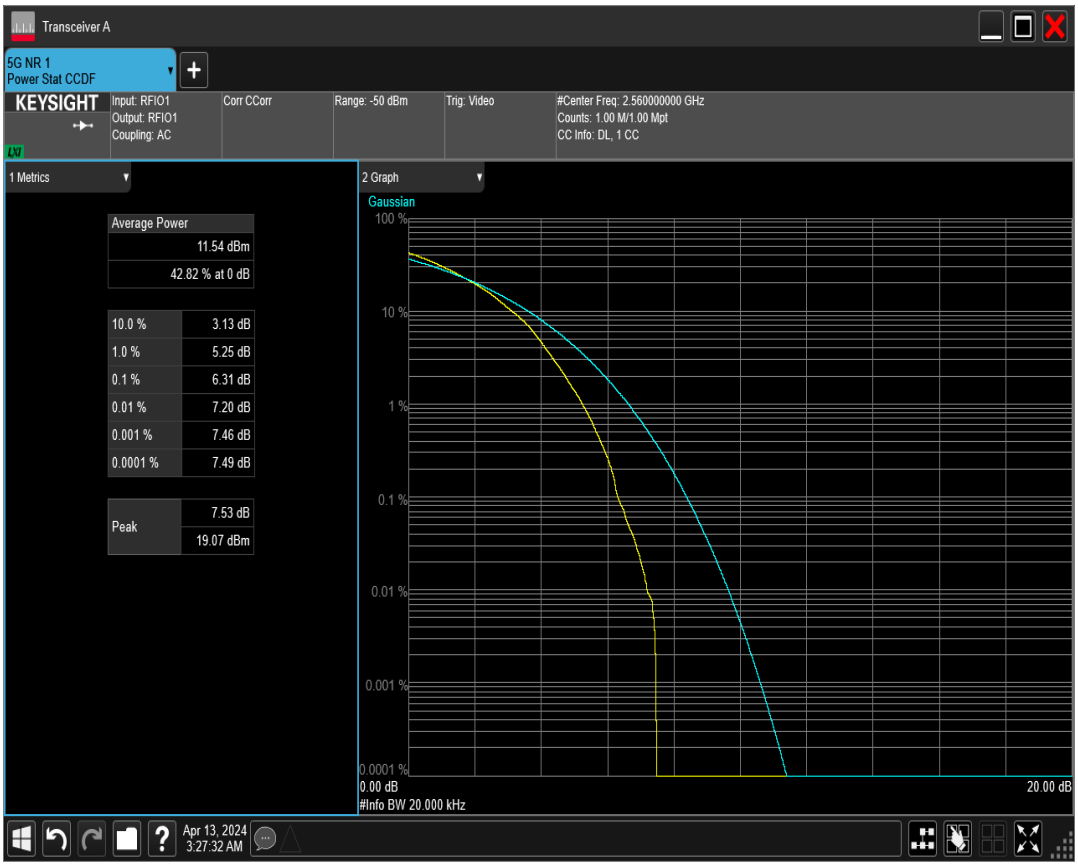
n7 SCS=15kHz DFT_QAM64 BW=20MHz Channel=502000 RB=100@0



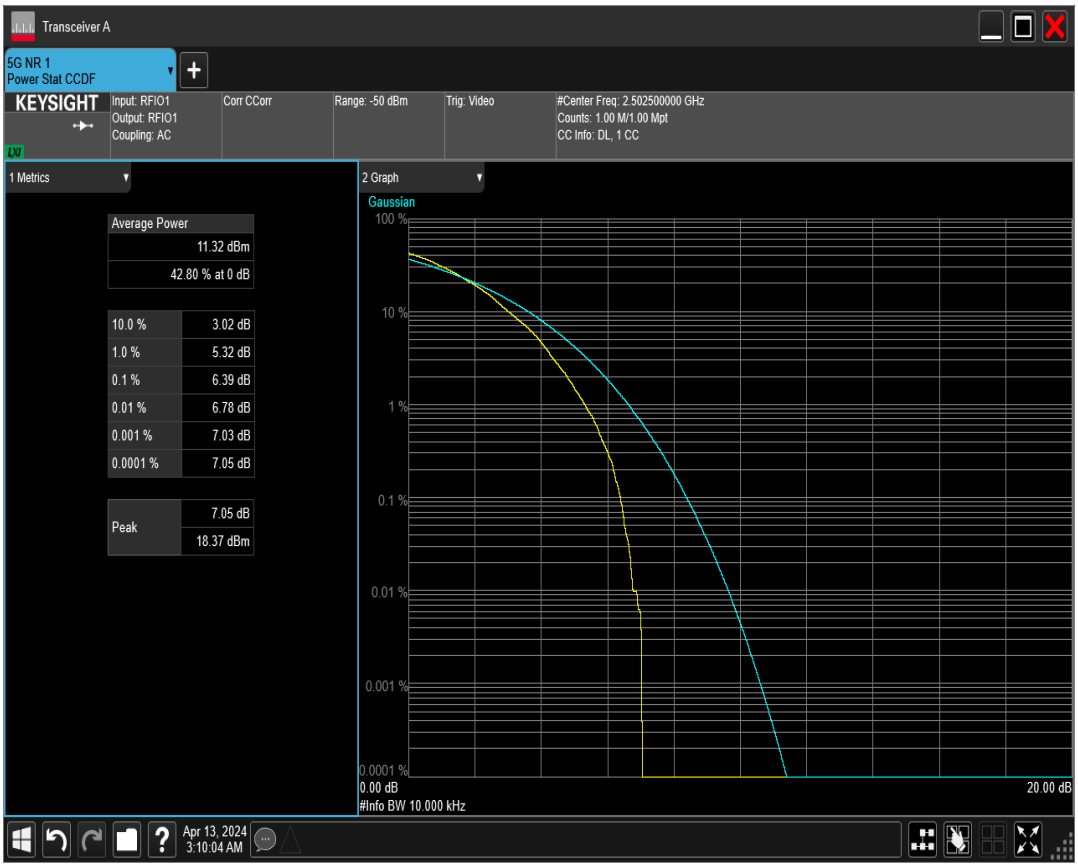
n7 SCS=15kHz DFT_QAM64 BW=20MHz Channel=507000 RB=100@0



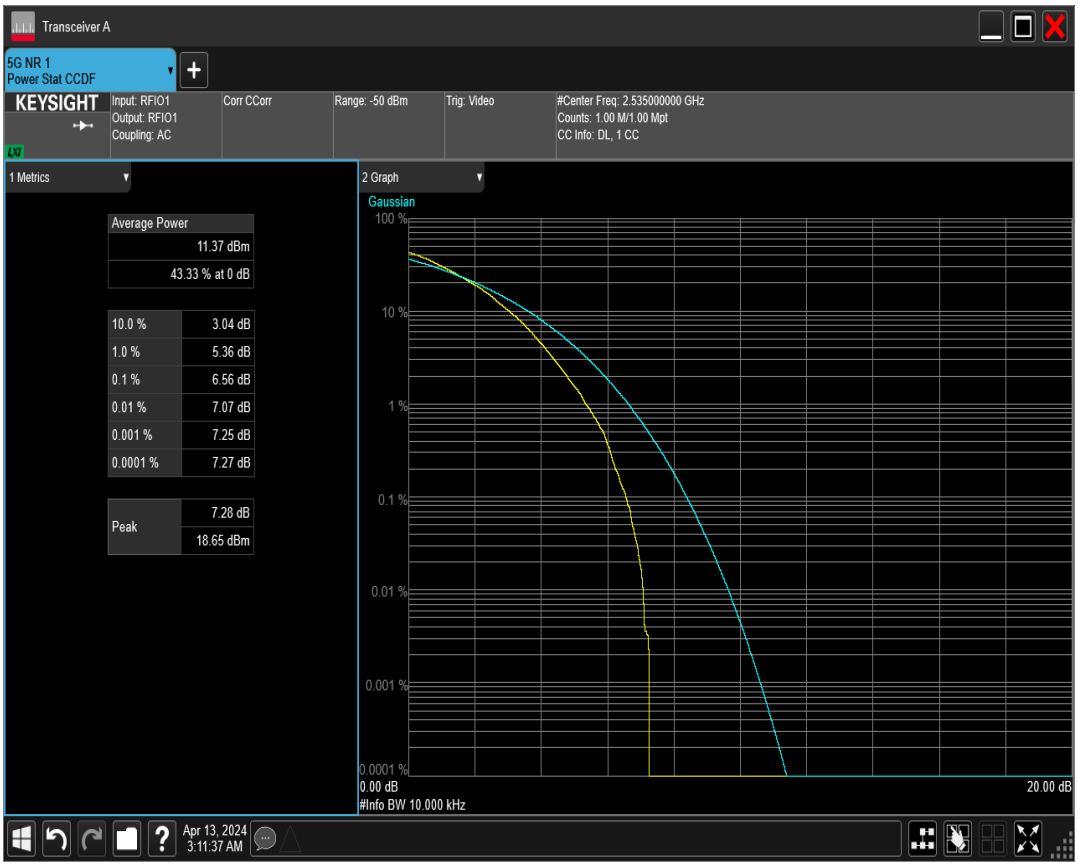
n7 SCS=15kHz DFT_QAM64 BW=20MHz Channel=512000 RB=100@0



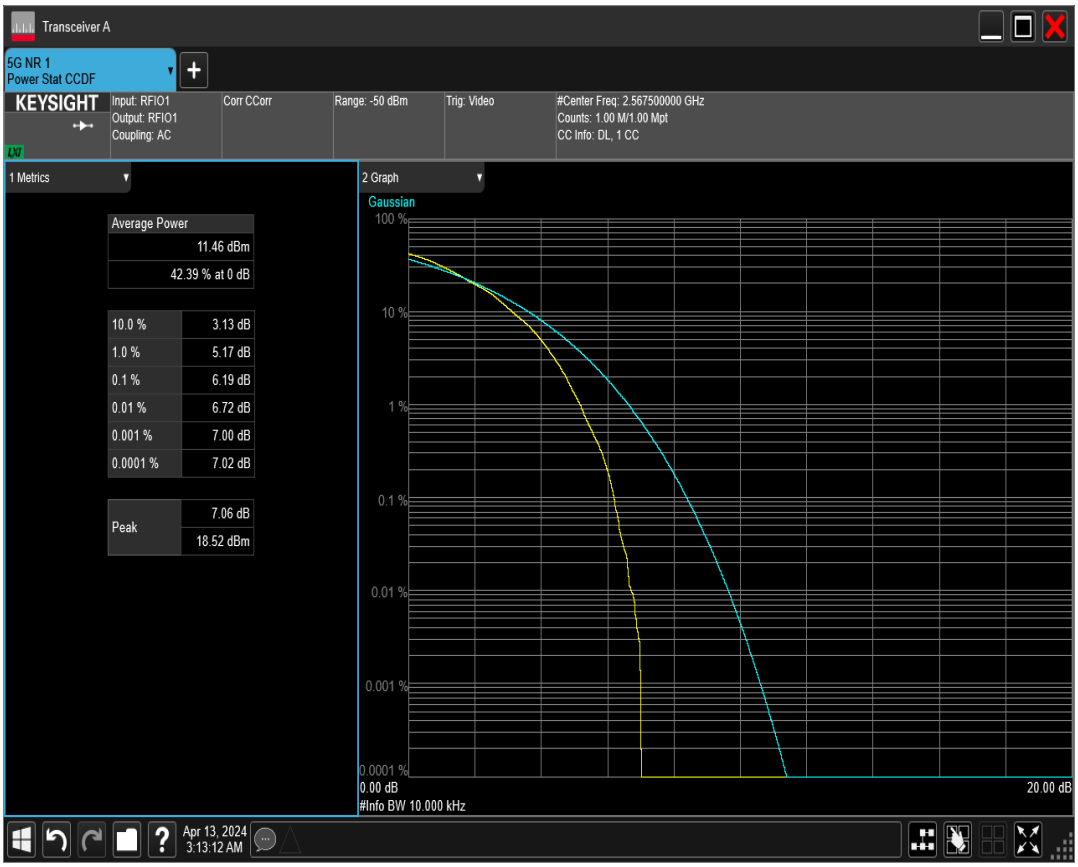
n7 SCS=15kHz DFT_QAM64 BW=5MHz Channel=500500 RB=25@0



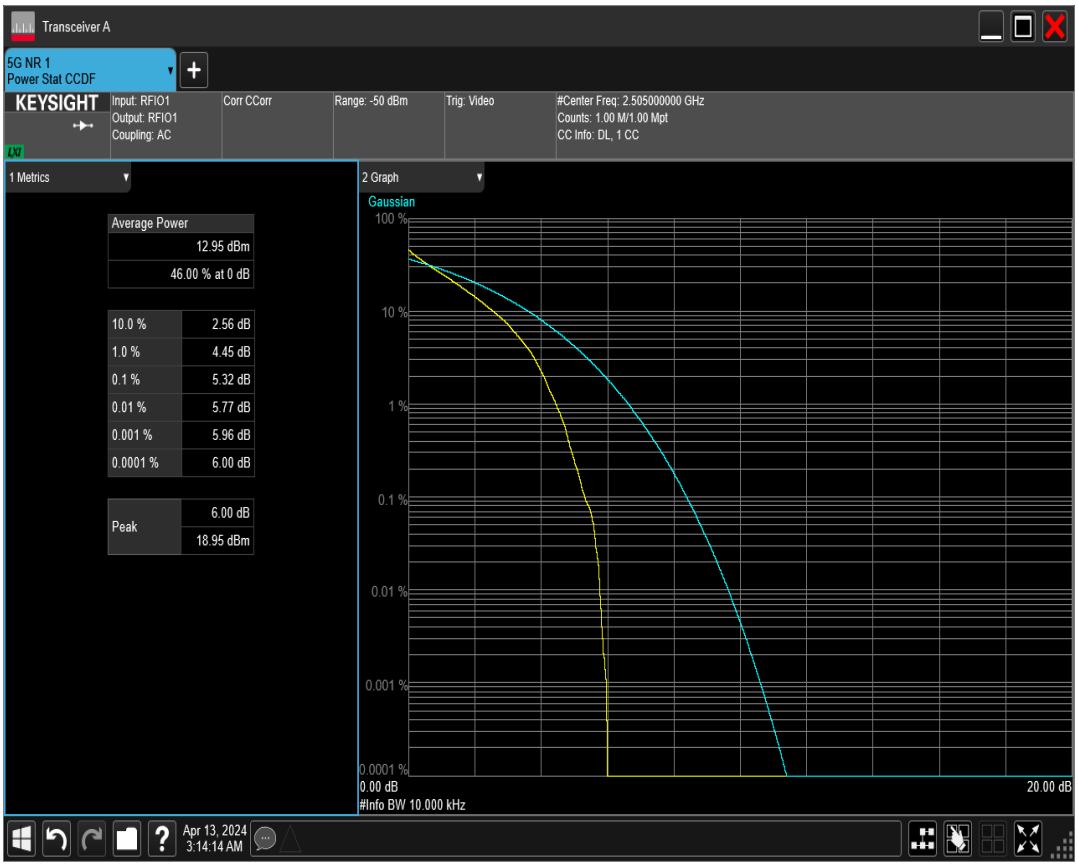
n7 SCS=15kHz DFT_QAM64 BW=5MHz Channel=507000 RB=25@0



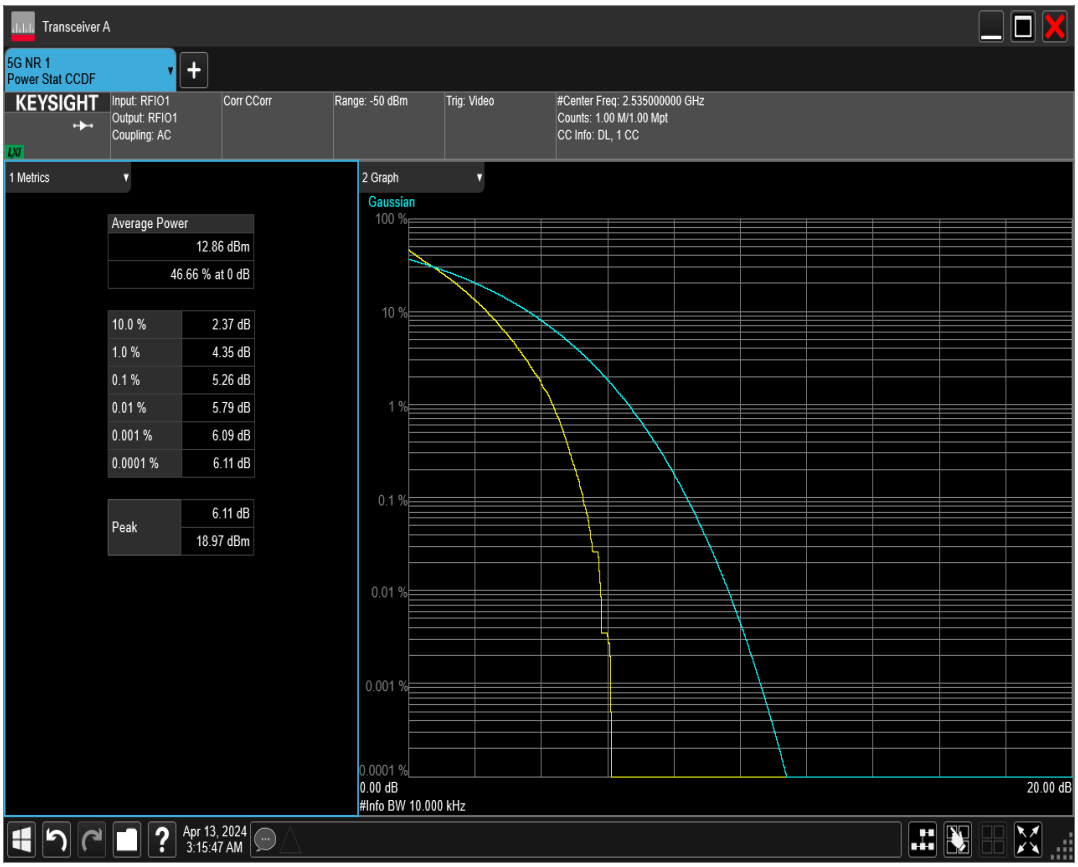
n7 SCS=15kHz DFT_QAM64 BW=5MHz Channel=513500 RB=25@0



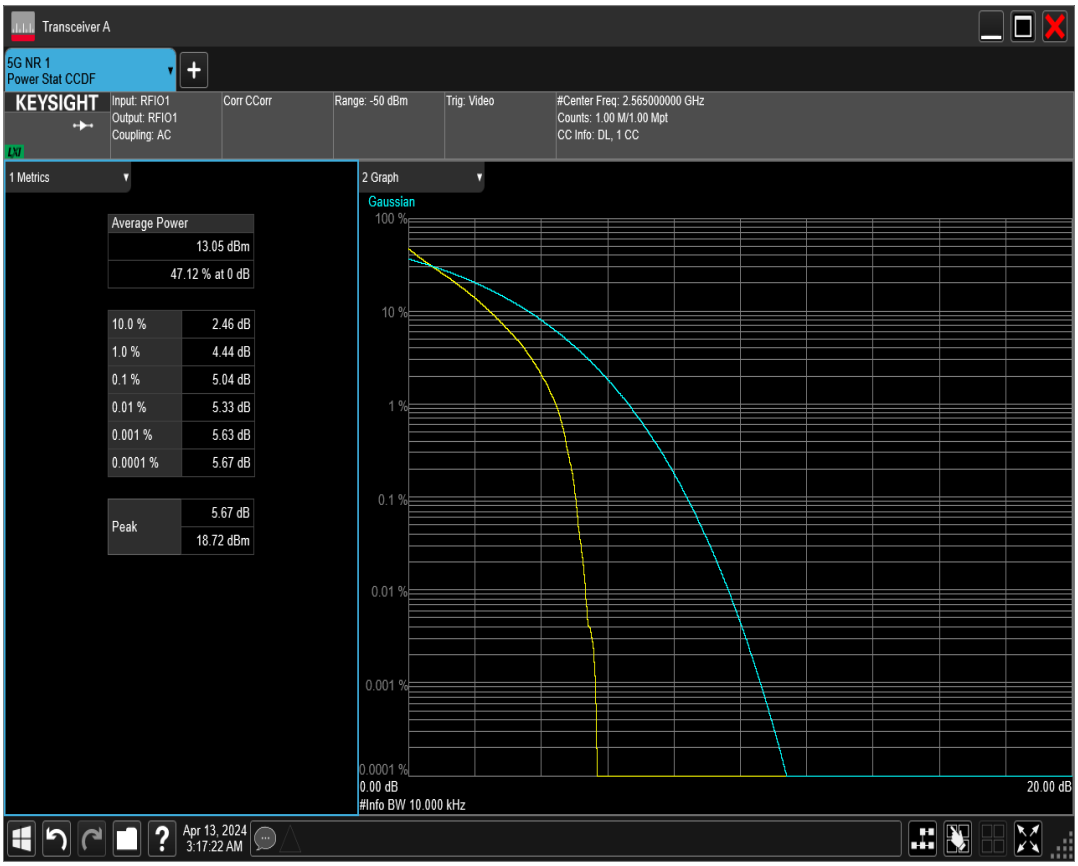
n7 SCS=15kHz DFT_QPSK BW=10MHz Channel=501000 RB=50@0



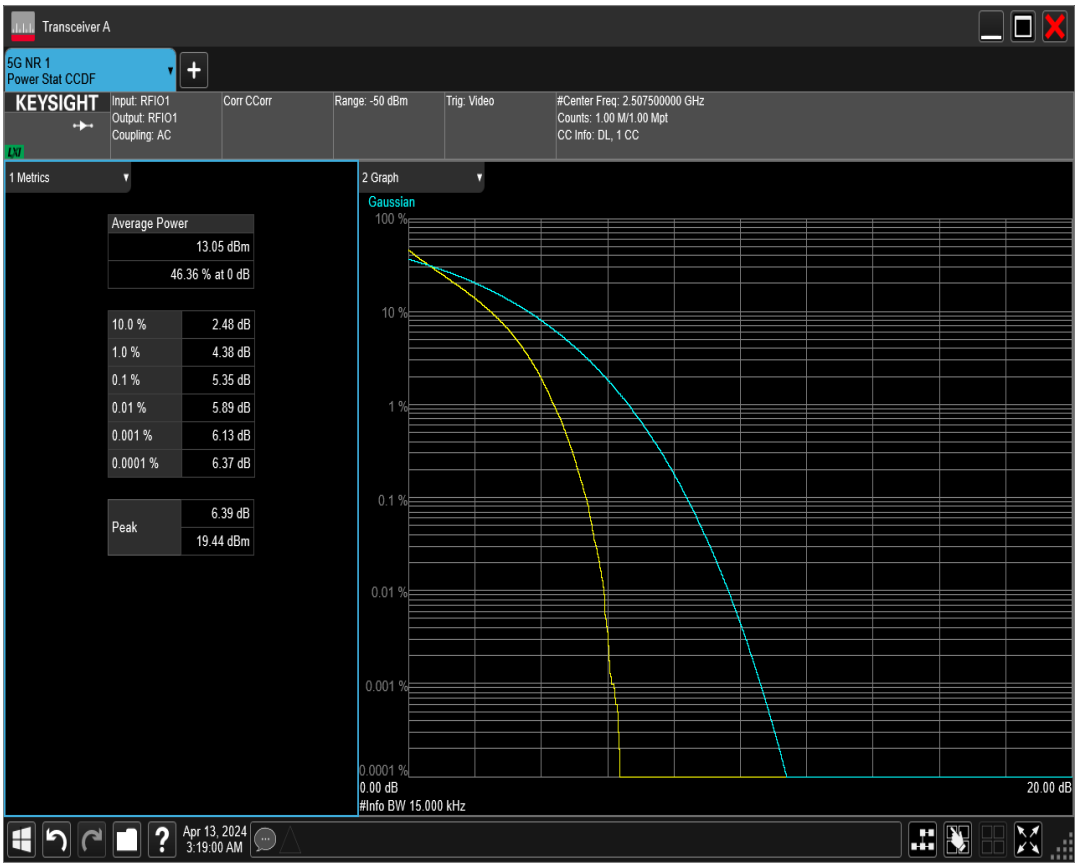
n7 SCS=15kHz DFT_QPSK BW=10MHz Channel=507000 RB=50@0



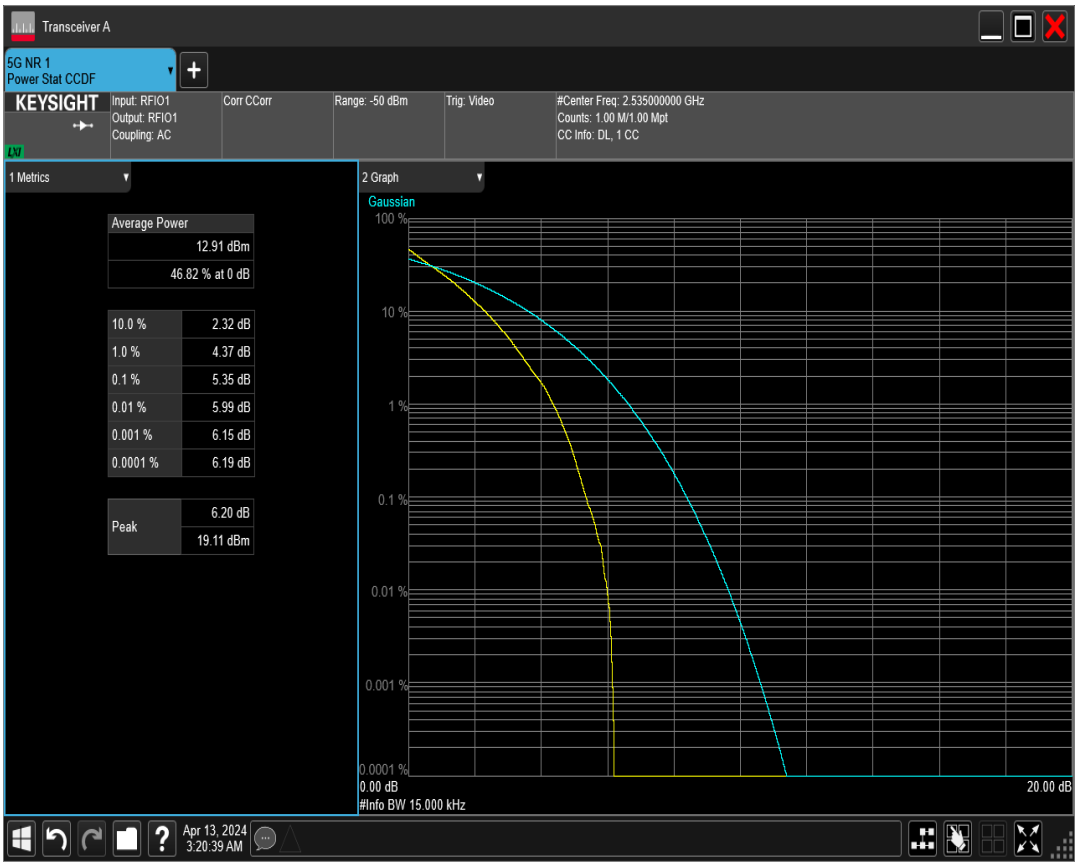
n7 SCS=15kHz DFT_QPSK BW=10MHz Channel=513000 RB=50@0



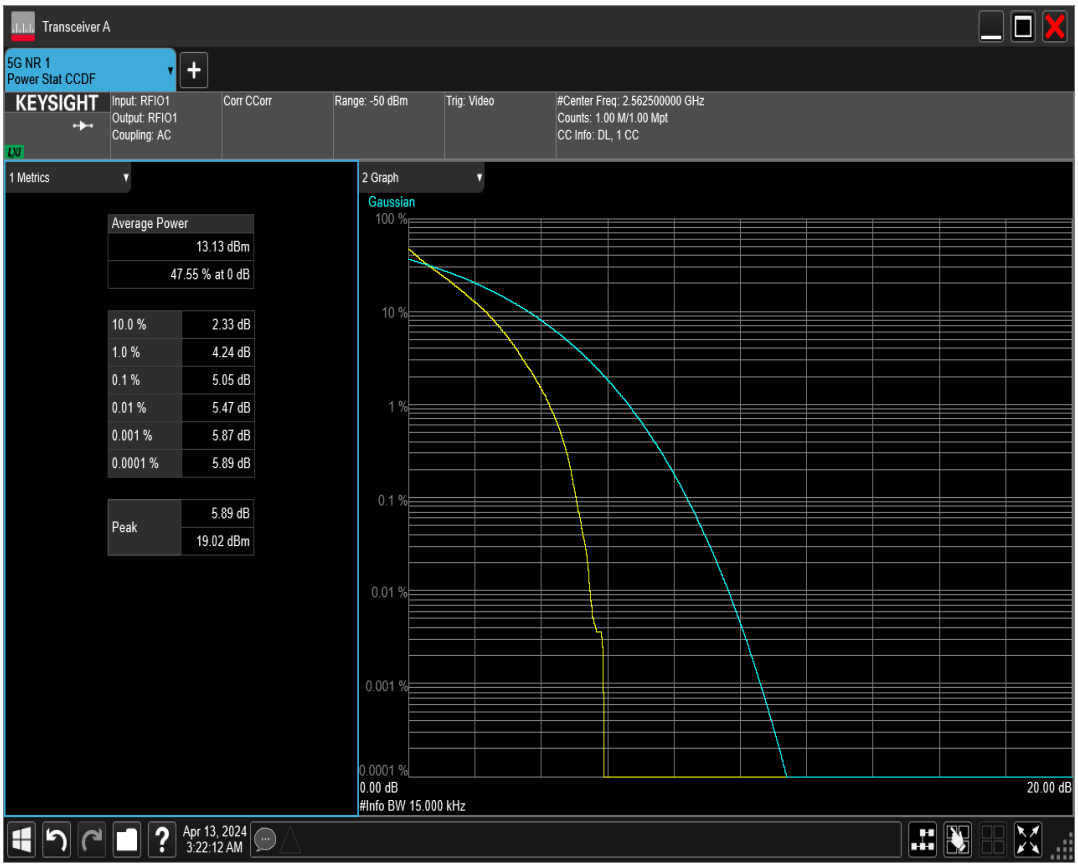
n7 SCS=15kHz DFT_QPSK BW=15MHz Channel=501500 RB=75@0



n7 SCS=15kHz DFT_QPSK BW=15MHz Channel=507000 RB=75@0



n7 SCS=15kHz DFT_QPSK BW=15MHz Channel=512500 RB=75@0



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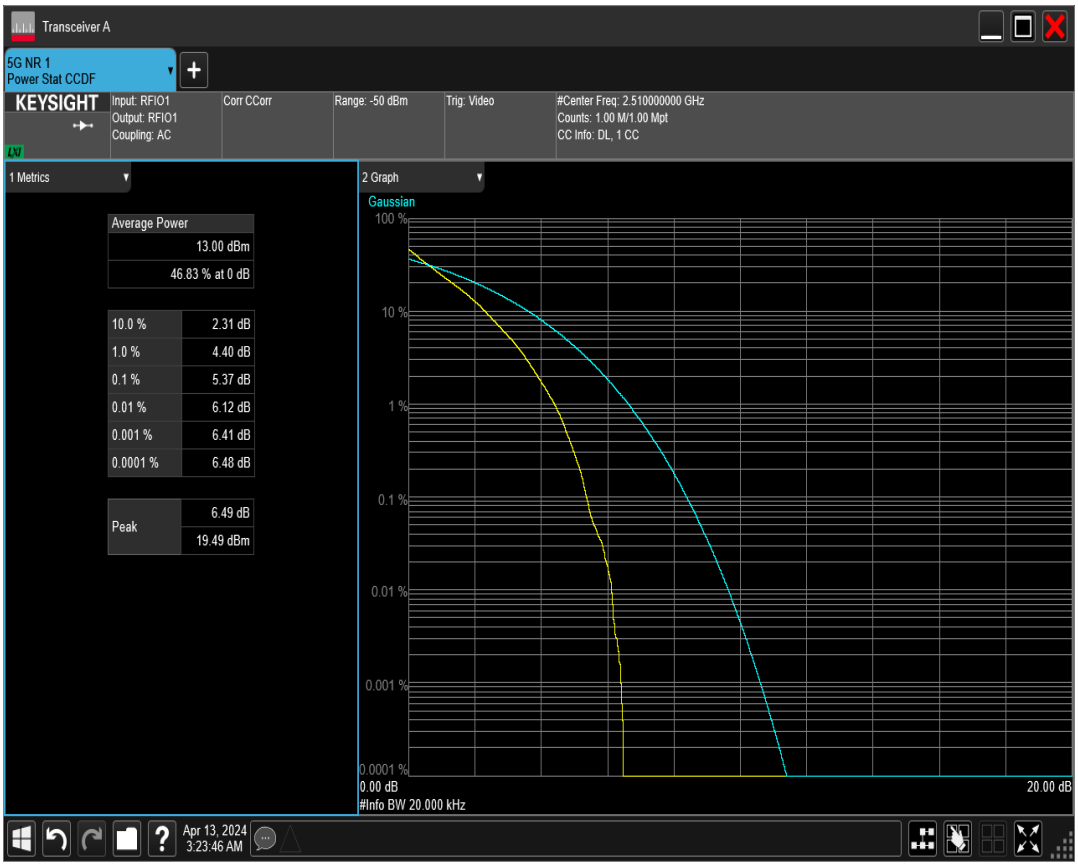
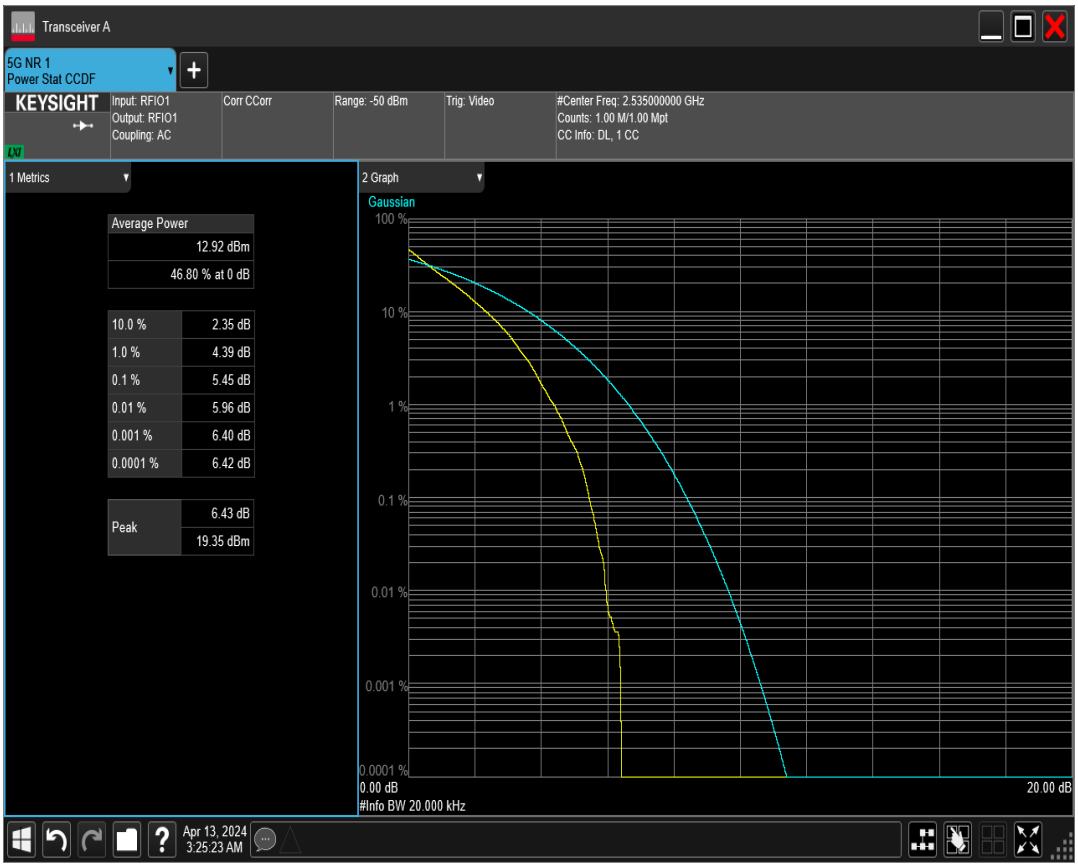
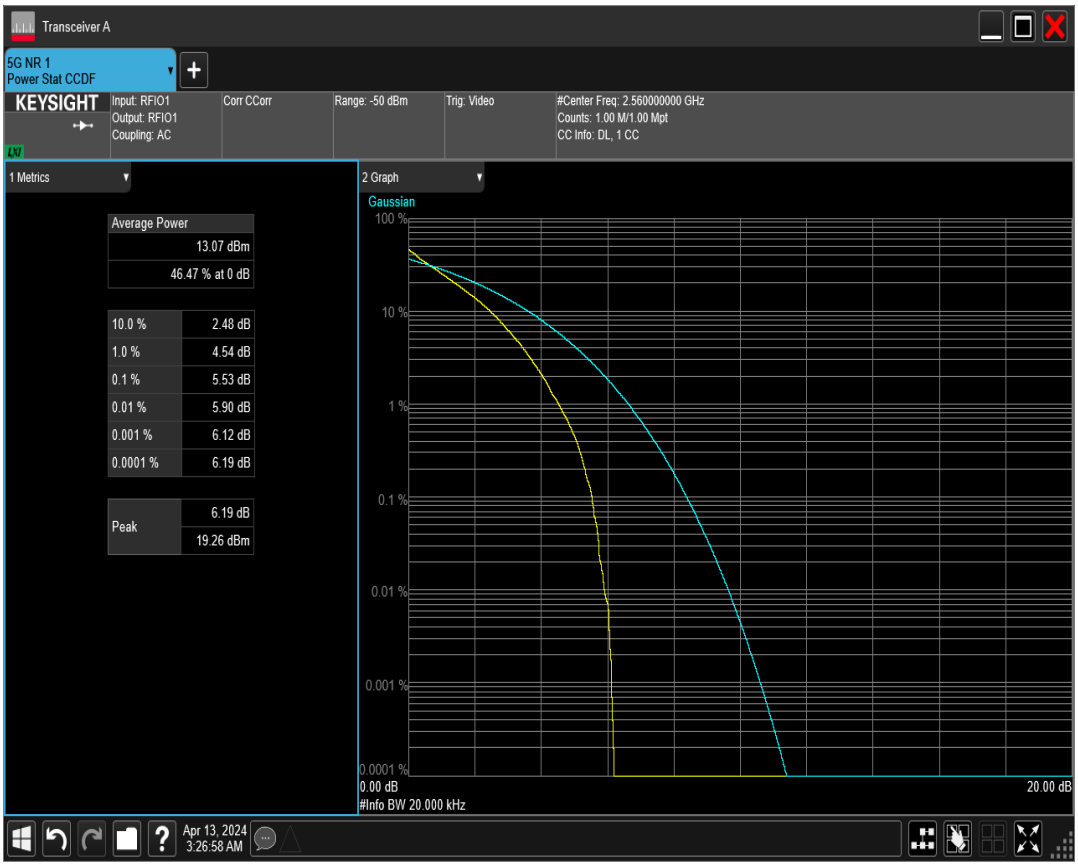


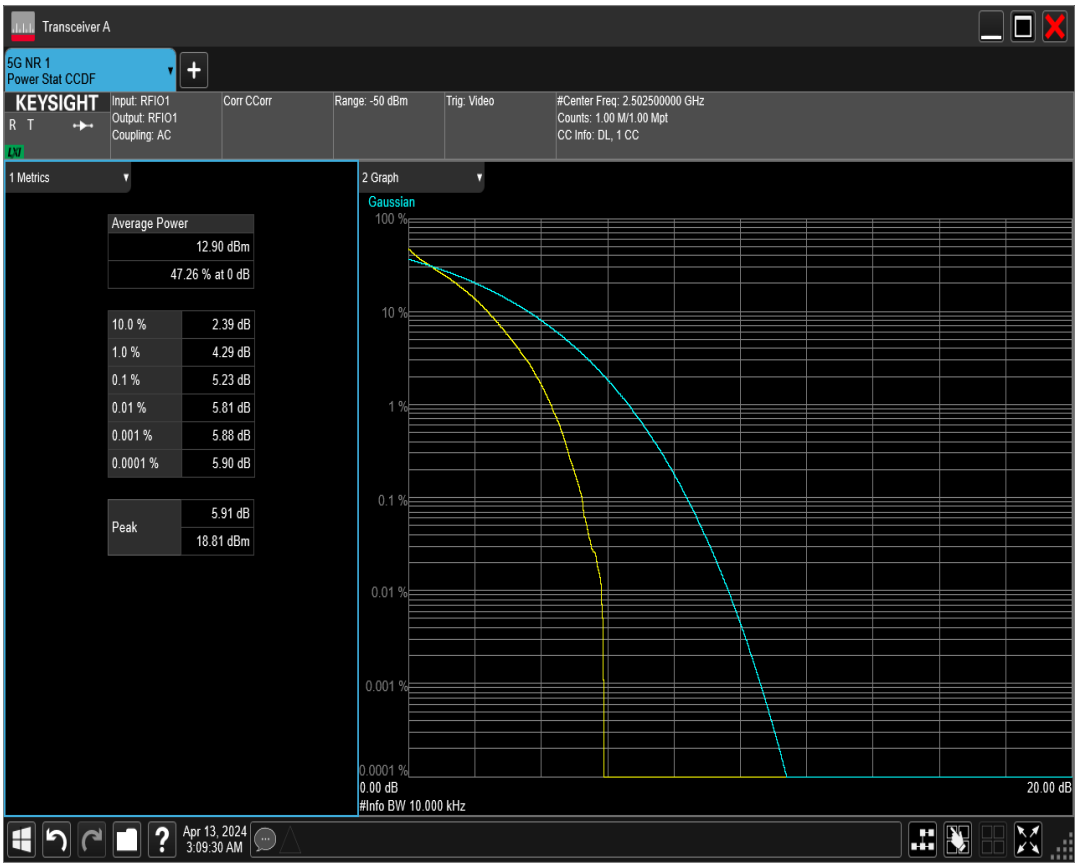
n7 SCS=15kHz DFT_QPSK BW=20MHz Channel=507000 RB=100@0



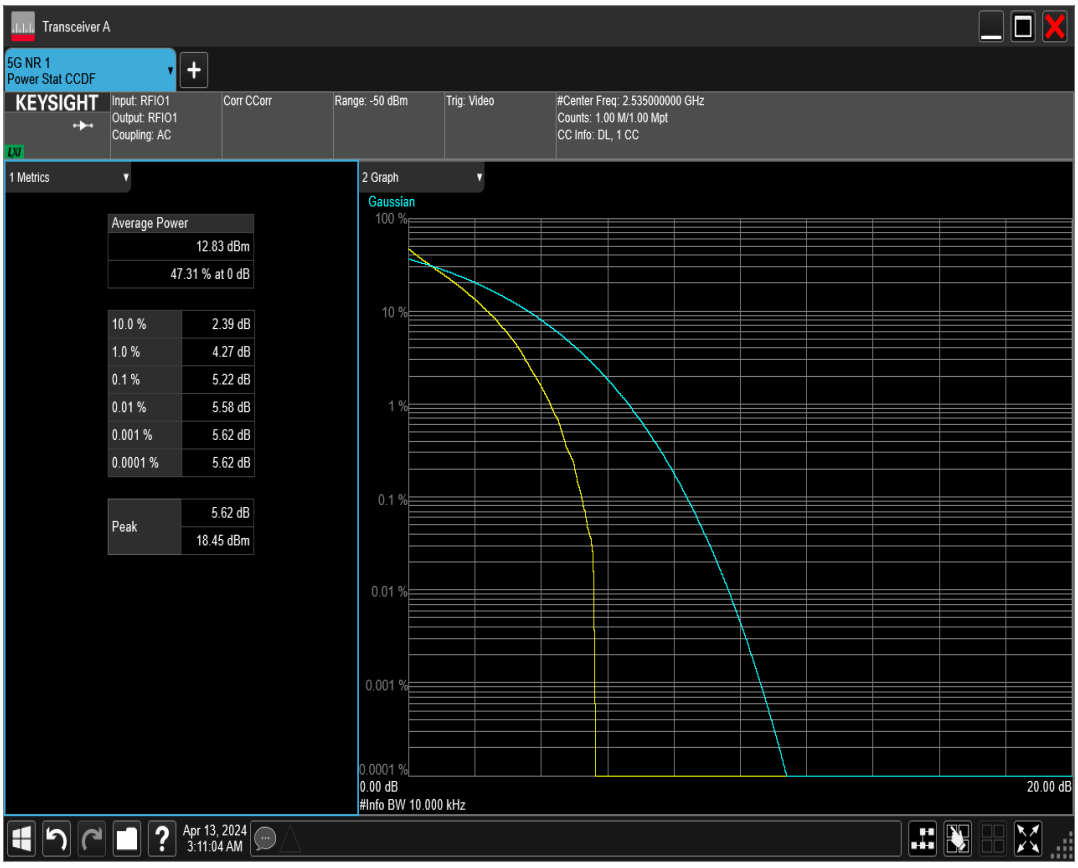
n7 SCS=15kHz DFT_QPSK BW=20MHz Channel=512000 RB=100@0



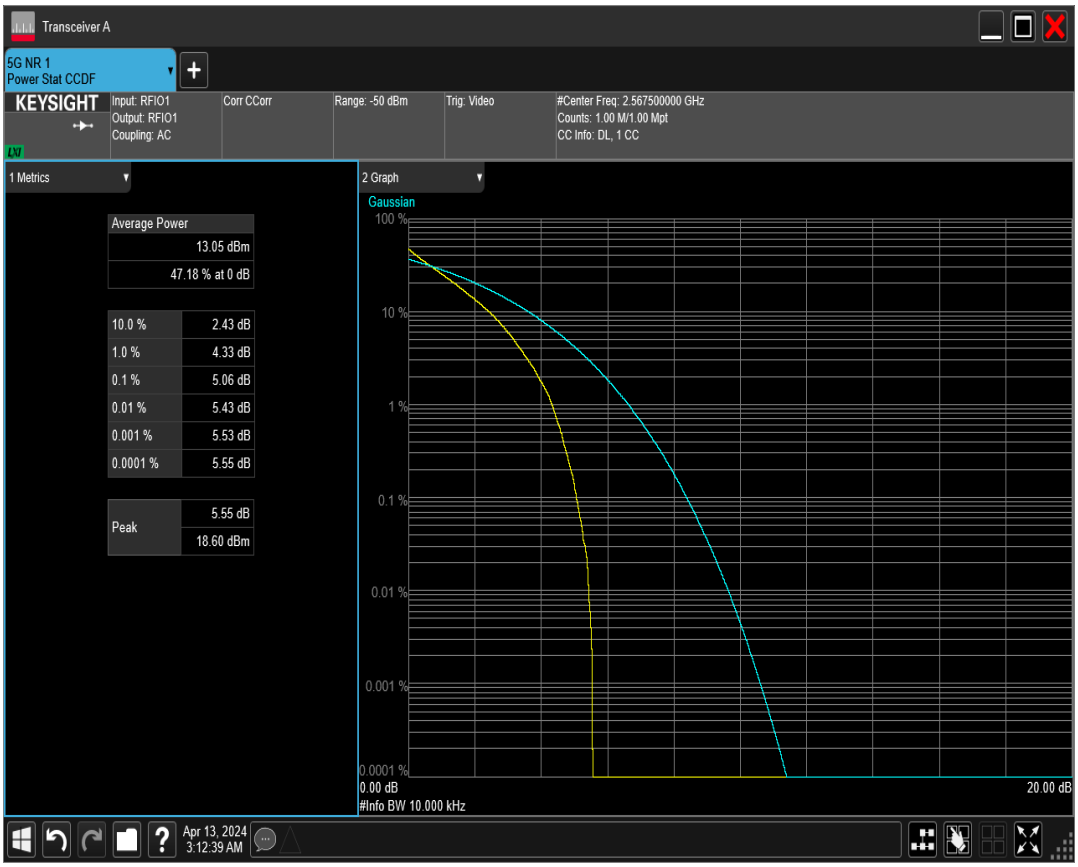
n7 SCS=15kHz DFT_QPSK BW=5MHz Channel=500500 RB=25@0



n7 SCS=15kHz DFT_QPSK BW=5MHz Channel=507000 RB=25@0



n7 SCS=15kHz DFT_QPSK BW=5MHz Channel=513500 RB=25@0



4 Occupied bandwidth for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n7	15	10	507000	24@0	DFT_BPSK	8.570	8.970	PASS
n7	15	10	507000	24@0	DFT_QPSK	8.560	8.880	PASS
n7	15	10	507000	24@0	DFT_QAM16	8.570	8.910	PASS
n7	15	10	507000	24@0	DFT_QAM64	8.550	8.970	PASS
n7	15	10	507000	24@0	DFT_QAM256	8.550	8.870	PASS
n7	15	15	507000	36@0	DFT_BPSK	13.440	13.250	PASS
n7	15	15	507000	36@0	DFT_QPSK	13.450	13.220	PASS
n7	15	15	507000	36@0	DFT_QAM16	13.510	13.200	PASS
n7	15	15	507000	36@0	DFT_QAM64	13.470	13.180	PASS
n7	15	15	507000	36@0	DFT_QAM256	13.420	13.160	PASS
n7	15	20	507000	50@0	DFT_BPSK	18.040	18.240	PASS
n7	15	20	507000	50@0	DFT_QPSK	17.980	18.250	PASS
n7	15	20	507000	50@0	DFT_QAM16	18.090	18.290	PASS
n7	15	20	507000	50@0	DFT_QAM64	18.010	18.250	PASS
n7	15	20	507000	50@0	DFT_QAM256	18.040	18.270	PASS

n7 SCS=30kHz DFT_BPSK BW=10MHz Channel=507000 RB=24@0

n7 SCS=30kHz DFT_BPSK BW=15MHz Channel=507000 RB=36@0

n7 SCS=30kHz DFT_BPSK BW=20MHz Channel=507000 RB=50@0

n7 SCS=30kHz DFT_QAM16 BW=10MHz Channel=507000 RB=24@0

n7 SCS=30kHz DFT_QAM16 BW=15MHz Channel=507000 RB=36@0

n7 SCS=30kHz DFT_QAM16 BW=20MHz Channel=507000 RB=50@0

n7 SCS=30kHz DFT_QAM256 BW=10MHz Channel=507000 RB=24@0

n7 SCS=30kHz DFT_QAM256 BW=15MHz Channel=507000 RB=36@0

n7 SCS=30kHz DFT_QAM256 BW=20MHz Channel=507000 RB=50@0

n7 SCS=30kHz DFT_QAM64 BW=10MHz Channel=507000 RB=24@0

n7 SCS=30kHz DFT_QAM64 BW=15MHz Channel=507000 RB=36@0

n7 SCS=30kHz DFT_QAM64 BW=20MHz Channel=507000 RB=50@0

n7 SCS=30kHz DFT_QPSK BW=10MHz Channel=507000 RB=24@0

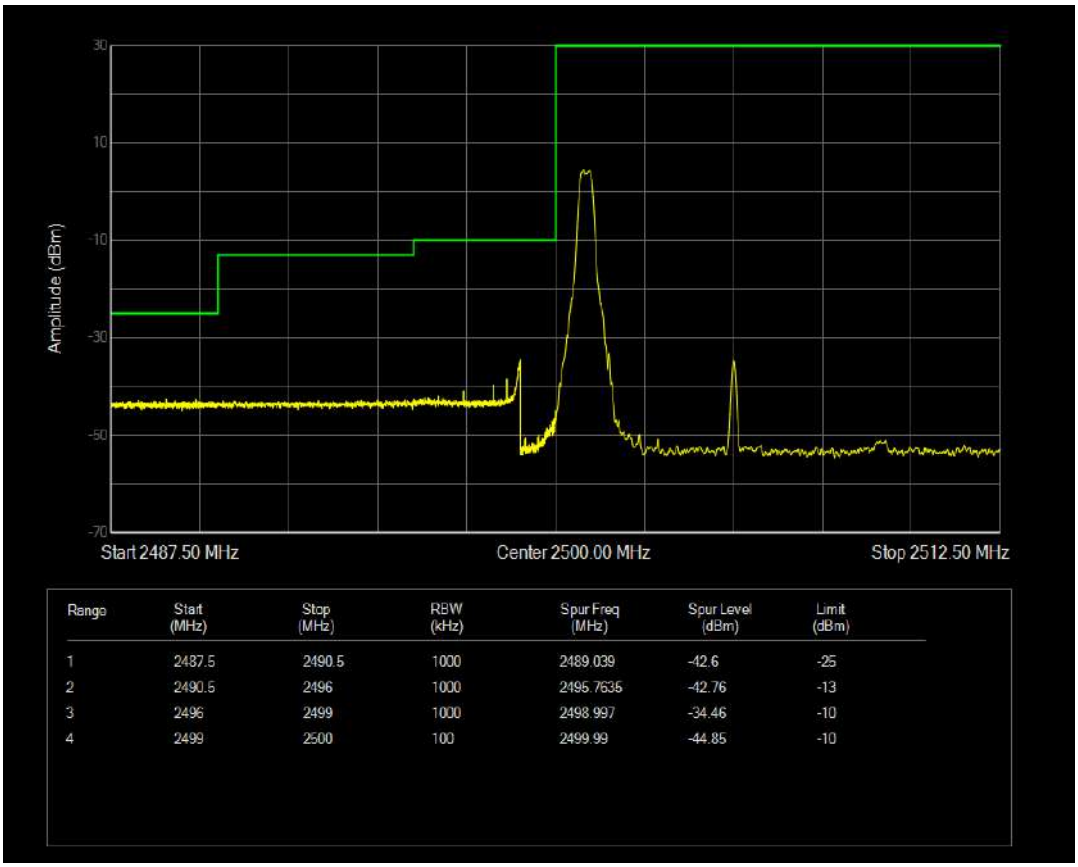
n7 SCS=30kHz DFT_QPSK BW=15MHz Channel=507000 RB=36@0

n7 SCS=30kHz DFT_QPSK BW=20MHz Channel=507000 RB=50@0

5 Band edge for EN-DC

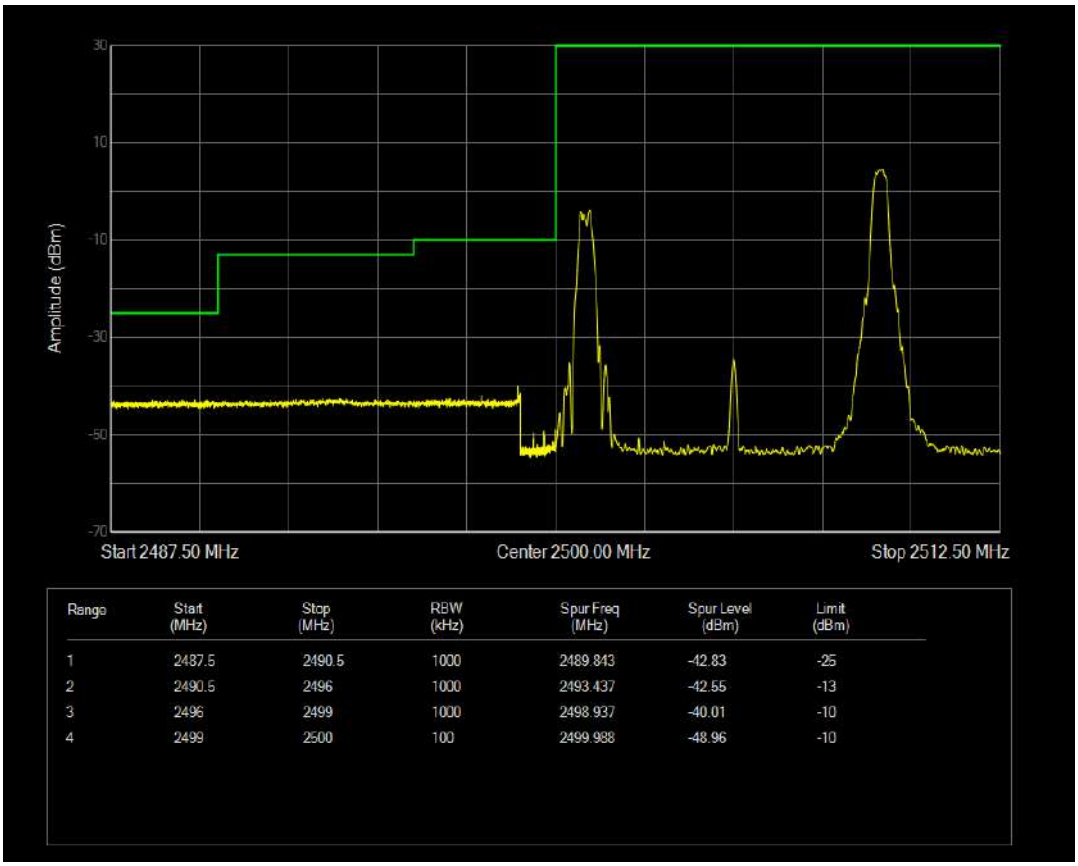
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n7	15	10	501000	24@0	CP_QPSK	2490.20	-42.13	-25	PASS
n7	15	10	501000	1@0	CP_QPSK	2489.04	-42.60	-25	PASS
n7	15	10	501000	1@23	CP_QPSK	2489.84	-42.83	-25	PASS
n7	15	10	513000	24@0	CP_QPSK	2580.60	-42.29	-25	PASS
n7	15	10	513000	1@0	CP_QPSK	2580.51	-42.82	-25	PASS
n7	15	10	513000	1@23	CP_QPSK	2580.32	-42.79	-25	PASS
n7	15	15	501500	38@0	CP_QPSK	2489.91	-40.95	-25	PASS
n7	15	15	501500	1@0	CP_QPSK	2490.00	-42.83	-25	PASS
n7	15	15	501500	1@37	CP_QPSK	2487.98	-42.88	-25	PASS
n7	15	15	512500	38@0	CP_QPSK	2587.30	-42.38	-25	PASS
n7	15	15	512500	1@0	CP_QPSK	2588.74	-42.61	-25	PASS
n7	15	15	512500	1@37	CP_QPSK	2585.41	-42.71	-25	PASS
n7	15	20	502000	51@0	CP_QPSK	2490.47	-40.25	-25	PASS
n7	15	20	502000	1@0	CP_QPSK	2487.91	-42.86	-25	PASS
n7	15	20	502000	1@50	CP_QPSK	2483.71	-43.00	-25	PASS
n7	15	20	512000	51@0	CP_QPSK	2591.64	-42.58	-25	PASS
n7	15	20	512000	1@0	CP_QPSK	2593.56	-42.78	-25	PASS
n7	15	20	512000	1@50	CP_QPSK	2593.44	-42.81	-25	PASS

n7 SCS=30kHz CP_QPSK BW=10MHz Channel=501000 RB=1@0



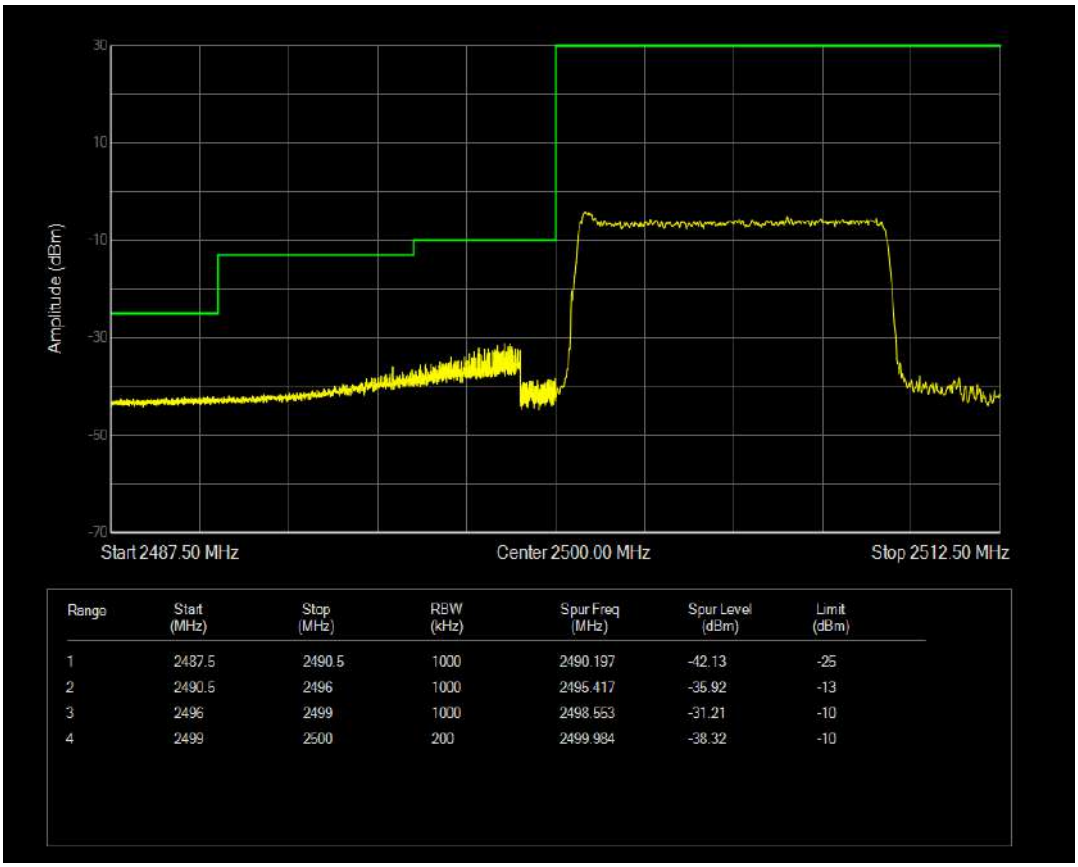
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2487.5	2490.5	1000	2489.039	-42.6	-25
2	2490.5	2496	1000	2495.7635	-42.76	-13
3	2496	2499	1000	2498.997	-34.46	-10
4	2499	2500	100	2499.99	-44.85	-10

n7 SCS=30kHz CP_QPSK BW=10MHz Channel=501000 RB=1@23



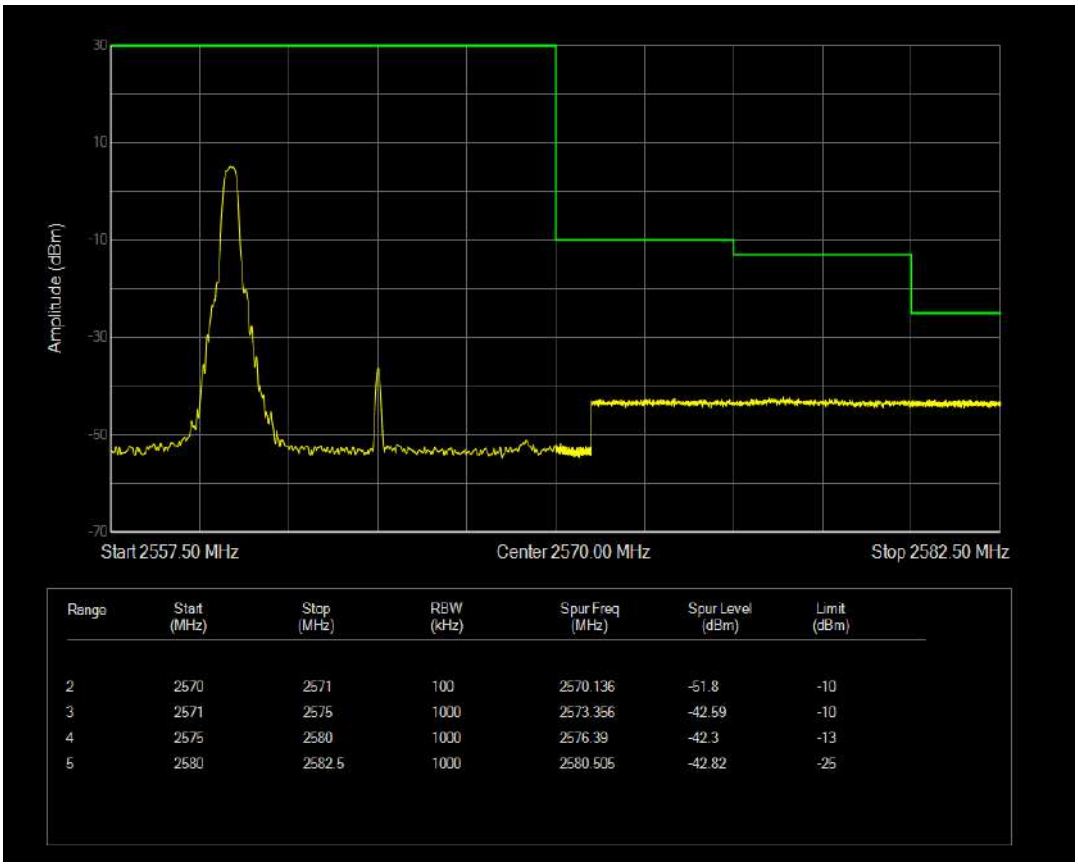
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2487.5	2490.5	1000	2489.843	-42.83	-25
2	2490.5	2496	1000	2493.437	-42.55	-13
3	2496	2499	1000	2498.937	-40.01	-10
4	2499	2500	100	2499.988	-48.96	-10

n7 SCS=30kHz CP_QPSK BW=10MHz Channel=501000 RB=24@0



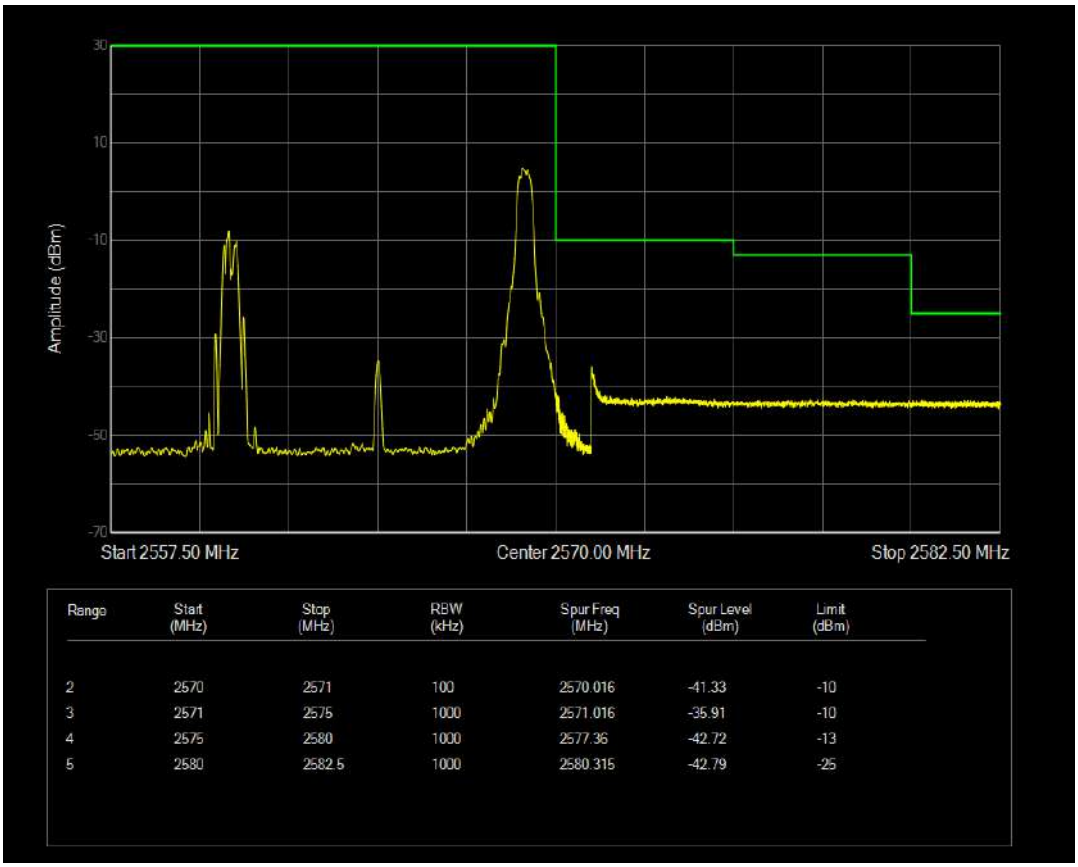
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2487.5	2490.5	1000	2490.197	-42.13	-25
2	2490.5	2496	1000	2495.417	-35.92	-13
3	2496	2499	1000	2498.553	-31.21	-10
4	2499	2500	200	2499.984	-38.32	-10

n7 SCS=30kHz CP_QPSK BW=10MHz Channel=513000 RB=1@0



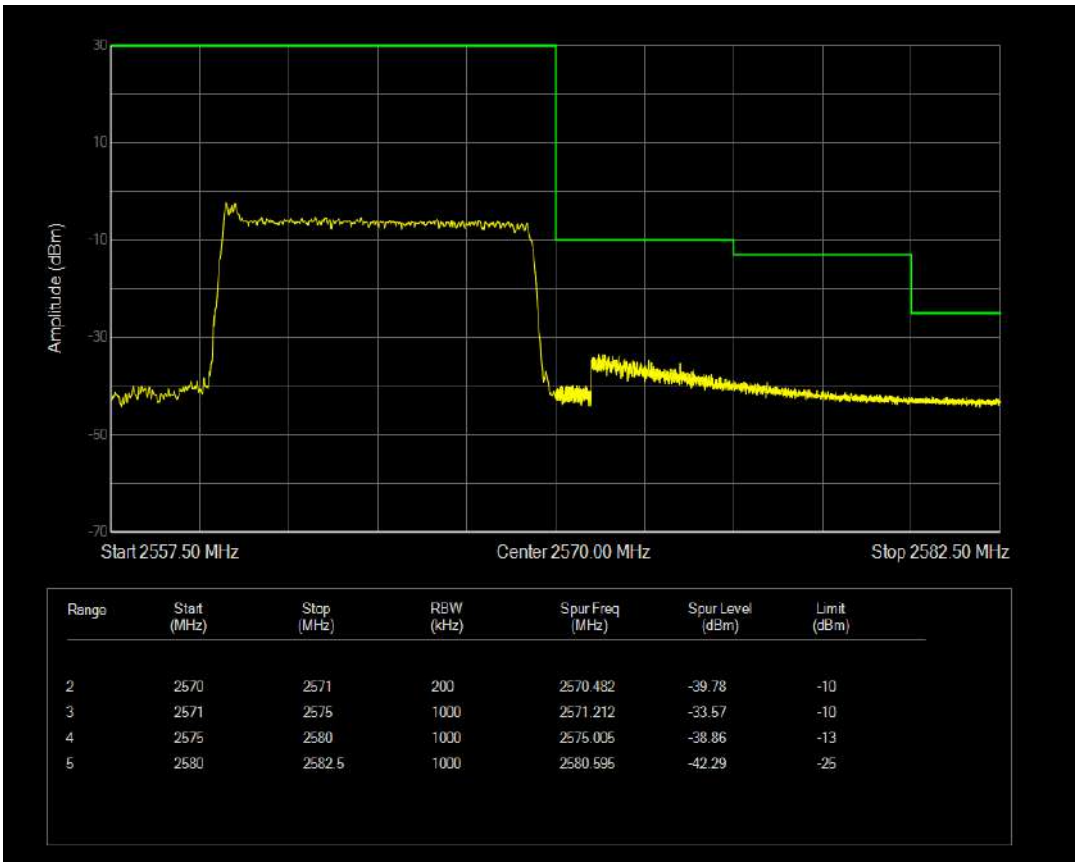
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.136	-51.8	-10
3	2571	2575	1000	2573.356	-42.59	-10
4	2575	2580	1000	2576.39	-42.3	-13
5	2580	2582.5	1000	2580.505	-42.82	-25

n7 SCS=30kHz CP_QPSK BW=10MHz Channel=513000 RB=1@23



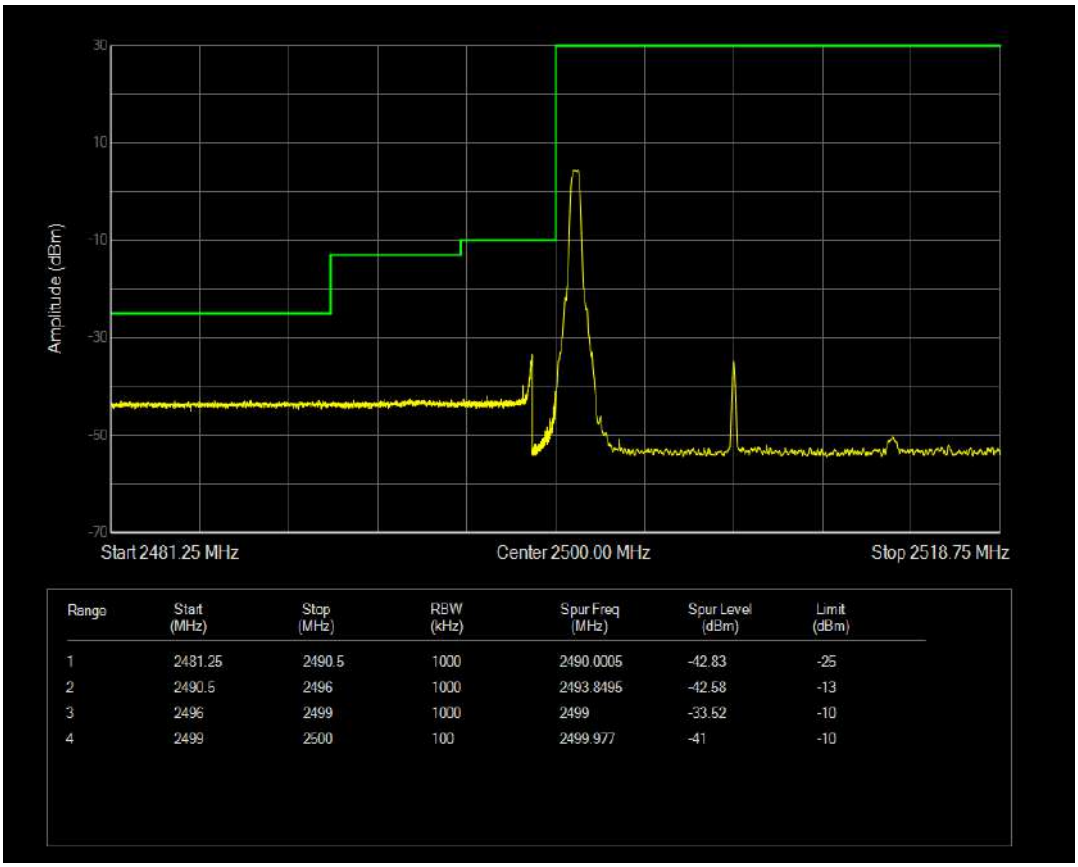
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.016	-41.33	-10
3	2571	2575	1000	2571.016	-35.91	-10
4	2575	2580	1000	2577.36	-42.72	-13
5	2580	2582.5	1000	2580.315	-42.79	-25

n7 SCS=30kHz CP_QPSK BW=10MHz Channel=513000 RB=24@0



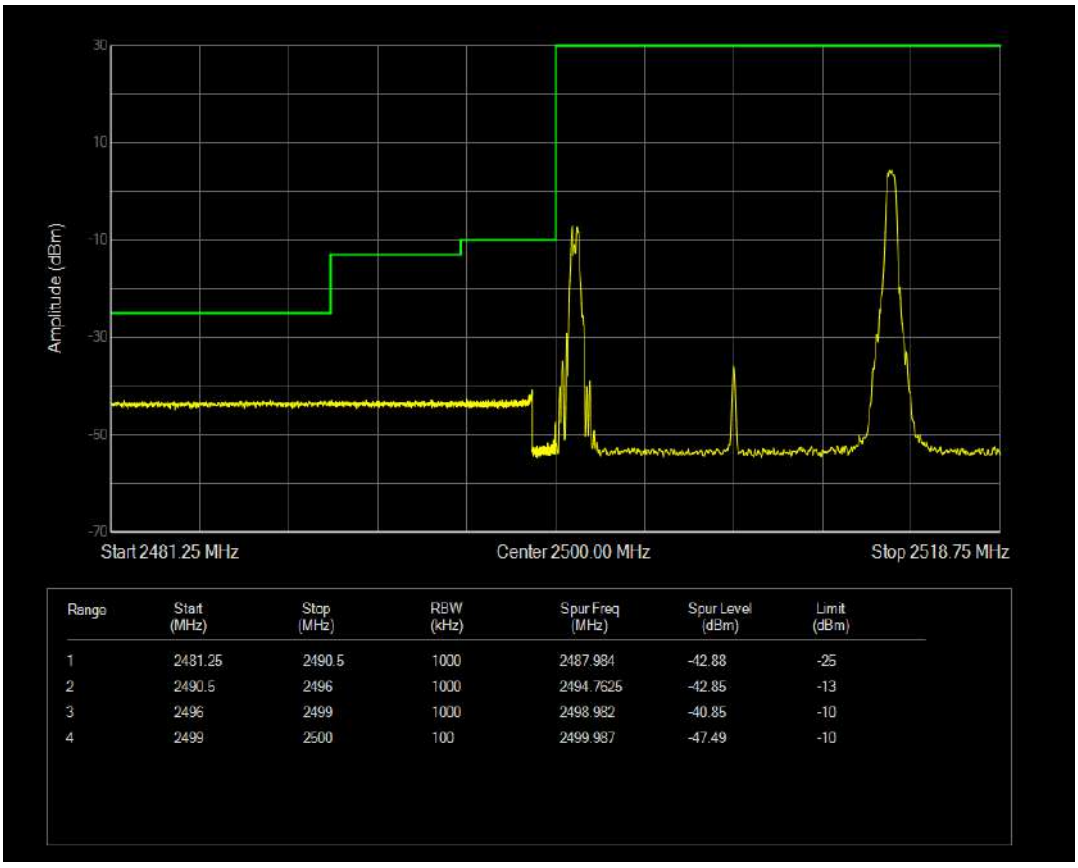
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	200	2570.482	-39.78	-10
3	2571	2575	1000	2571.212	-33.57	-10
4	2575	2580	1000	2575.005	-38.86	-13
5	2580	2582.5	1000	2580.595	-42.29	-25

n7 SCS=30kHz CP_QPSK BW=15MHz Channel=501500 RB=1@0



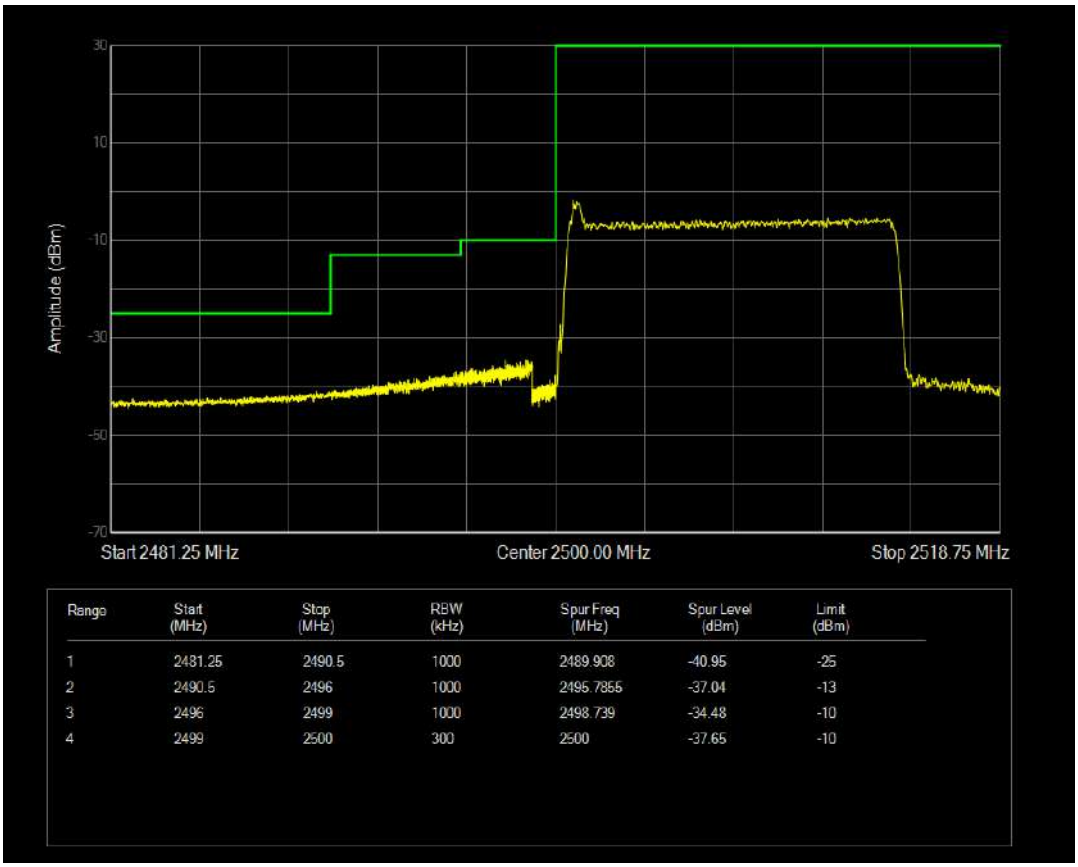
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2481.25	2490.5	1000	2490.0005	-42.83	-25
2	2490.5	2496	1000	2493.8495	-42.58	-13
3	2496	2499	1000	2499	-33.52	-10
4	2499	2500	100	2499.977	-41	-10

n7 SCS=30kHz CP_QPSK BW=15MHz Channel=501500 RB=1@37



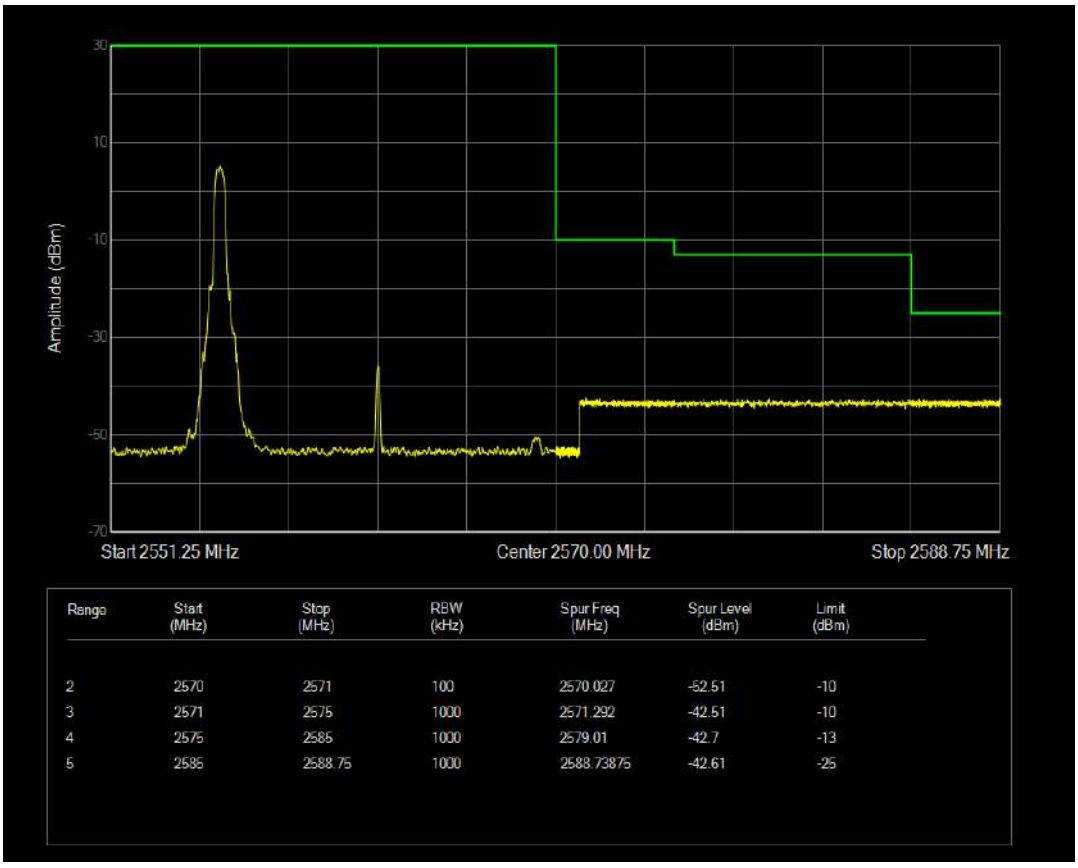
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2481.25	2490.5	1000	2487.984	-42.88	-25
2	2490.5	2496	1000	2494.7625	-42.85	-13
3	2496	2499	1000	2498.982	-40.85	-10
4	2499	2500	100	2499.987	-47.49	-10

n7 SCS=30kHz CP_QPSK BW=15MHz Channel=501500 RB=38@0



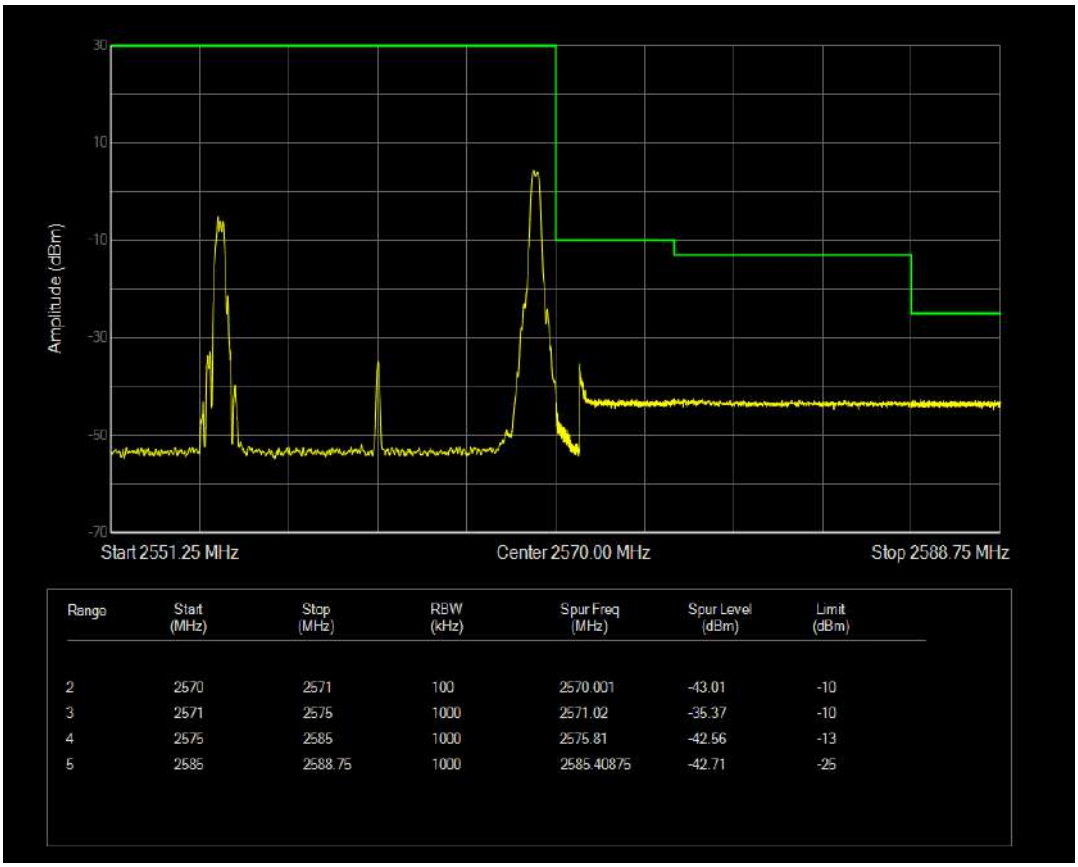
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2481.25	2490.5	1000	2489.908	-40.95	-25
2	2490.5	2496	1000	2495.7855	-37.04	-13
3	2496	2499	1000	2498.739	-34.48	-10
4	2499	2500	300	2500	-37.65	-10

n7 SCS=30kHz CP_QPSK BW=15MHz Channel=512500 RB=1@0



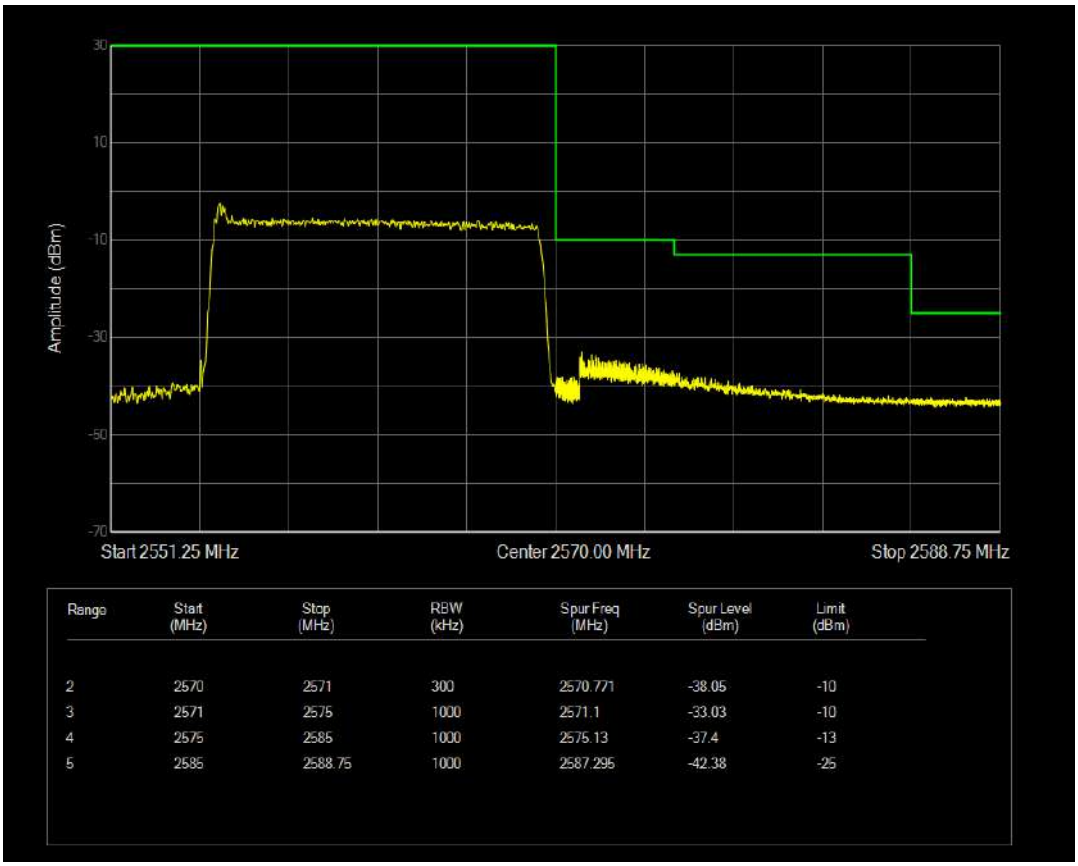
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.027	-52.51	-10
3	2571	2575	1000	2571.292	-42.51	-10
4	2575	2585	1000	2579.01	-42.7	-13
5	2585	2588.75	1000	2588.73875	-42.61	-25

n7 SCS=30kHz CP_QPSK BW=15MHz Channel=512500 RB=1@37



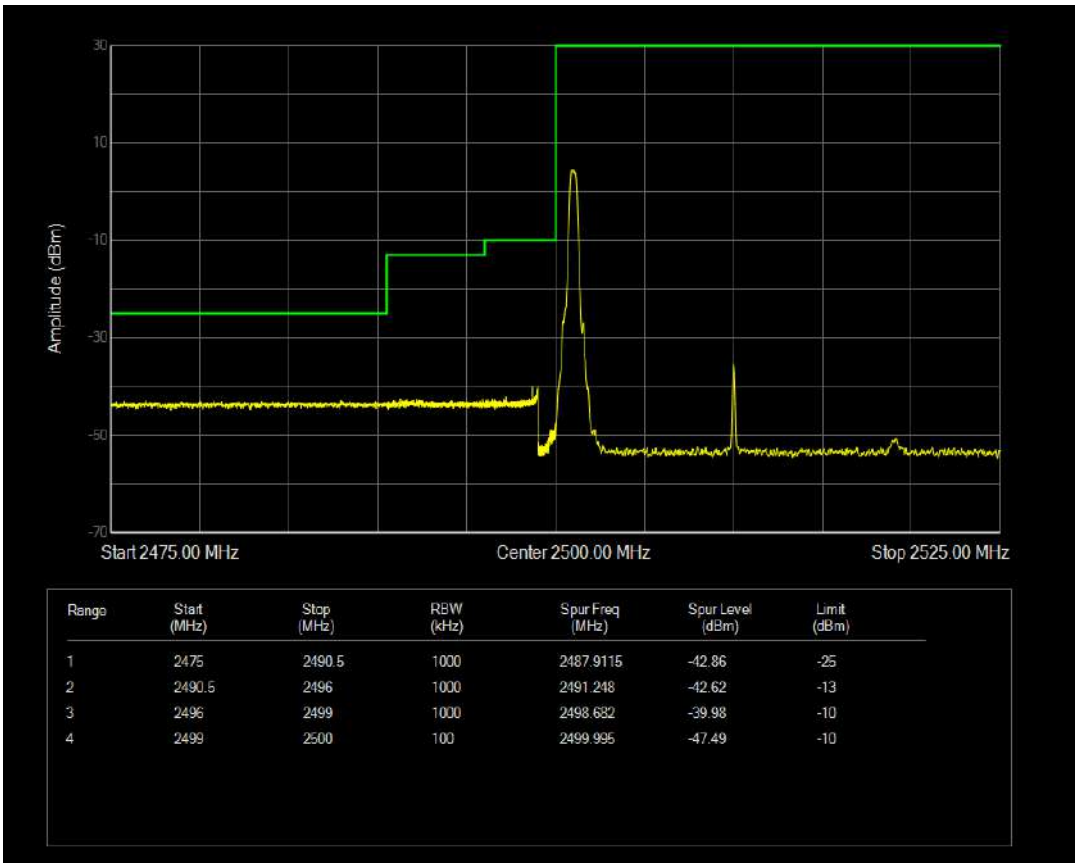
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.001	-43.01	-10
3	2571	2575	1000	2571.02	-35.37	-10
4	2575	2585	1000	2575.81	-42.56	-13
5	2585	2588.75	1000	2585.40875	-42.71	-25

n7 SCS=30kHz CP_QPSK BW=15MHz Channel=512500 RB=38@0



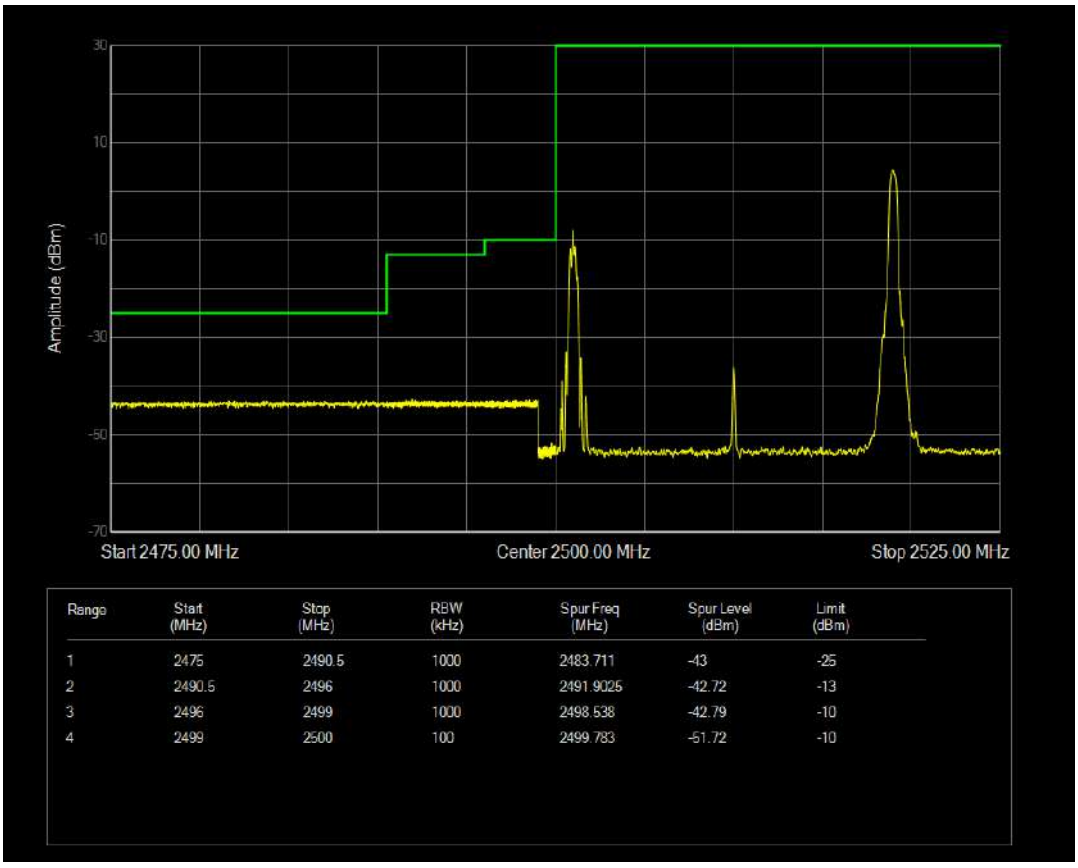
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	300	2570.771	-38.05	-10
3	2571	2575	1000	2571.1	-33.03	-10
4	2575	2585	1000	2575.13	-37.4	-13
5	2585	2588.75	1000	2587.295	-42.38	-25

n7 SCS=30kHz CP_QPSK BW=20MHz Channel=502000 RB=1@0



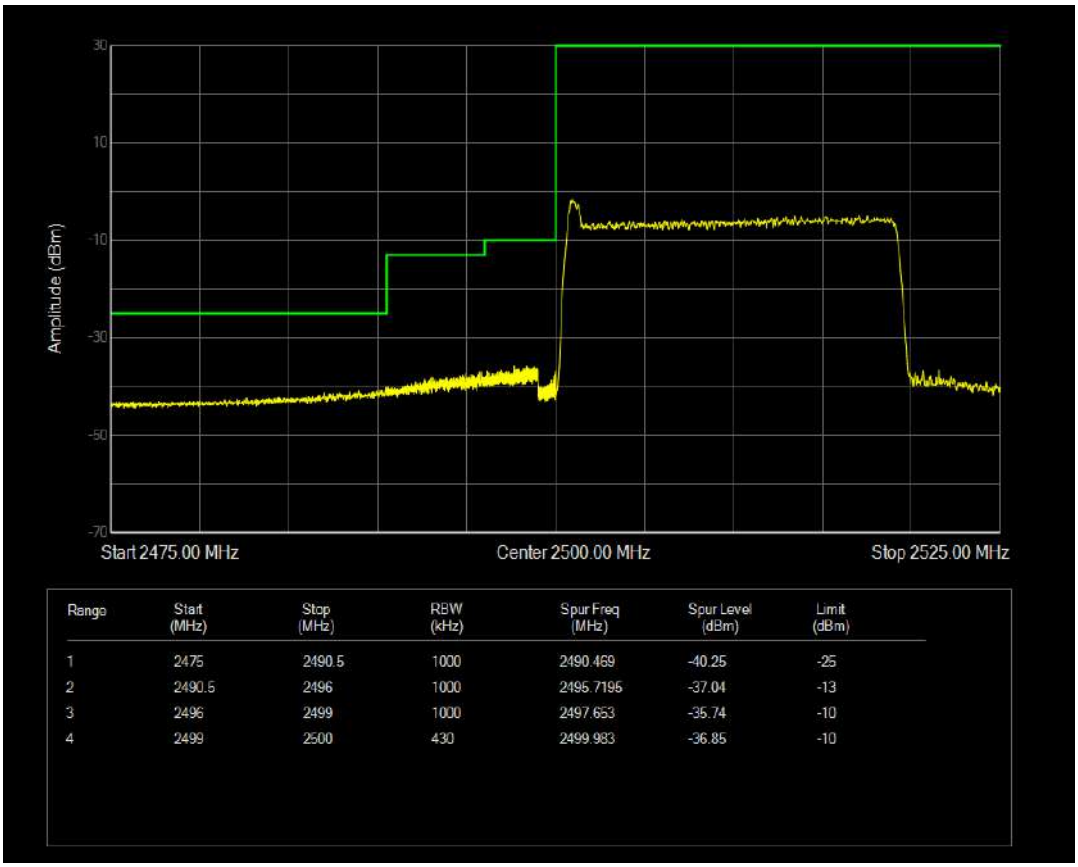
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490.5	1000	2487.9115	-42.86	-25
2	2490.5	2496	1000	2491.248	-42.62	-13
3	2496	2499	1000	2498.682	-39.98	-10
4	2499	2500	100	2499.995	-47.49	-10

n7 SCS=30kHz CP_QPSK BW=20MHz Channel=502000 RB=1@50



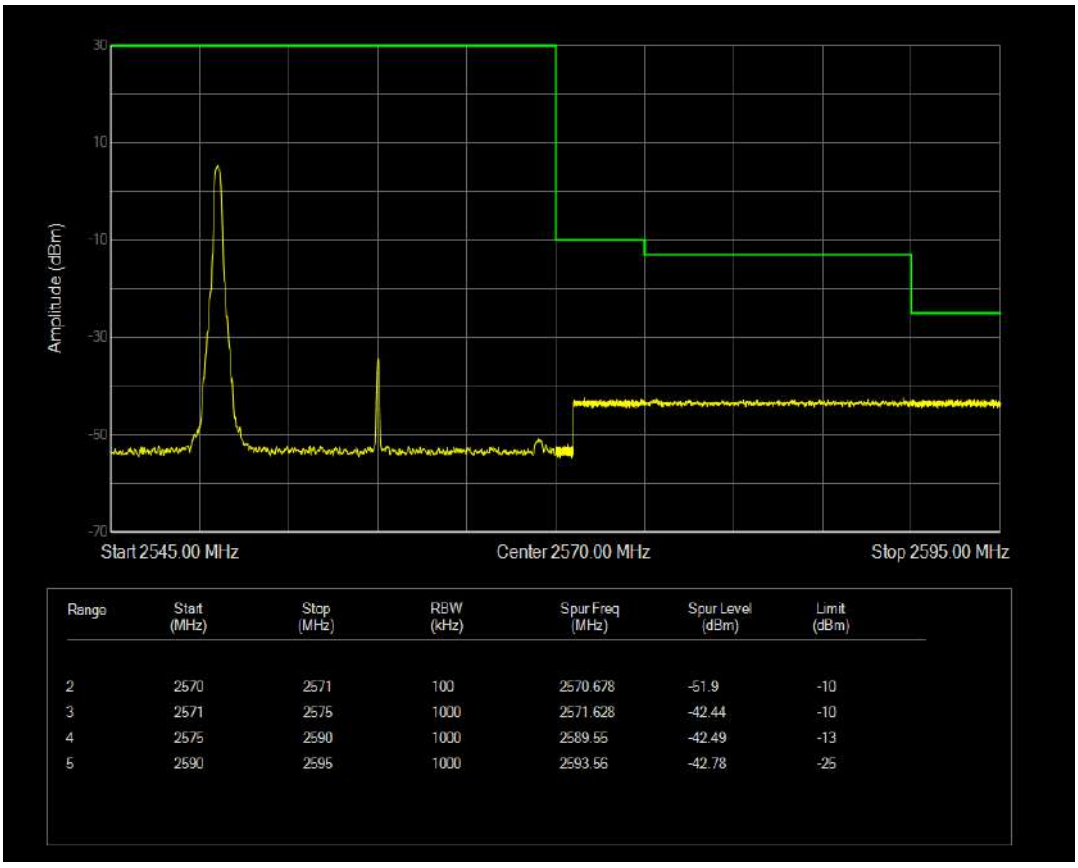
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490.5	1000	2483.711	-43	-25
2	2490.5	2496	1000	2491.9025	-42.72	-13
3	2496	2499	1000	2498.538	-42.79	-10
4	2499	2500	100	2499.783	-51.72	-10

n7 SCS=30kHz CP_QPSK BW=20MHz Channel=502000 RB=51@0



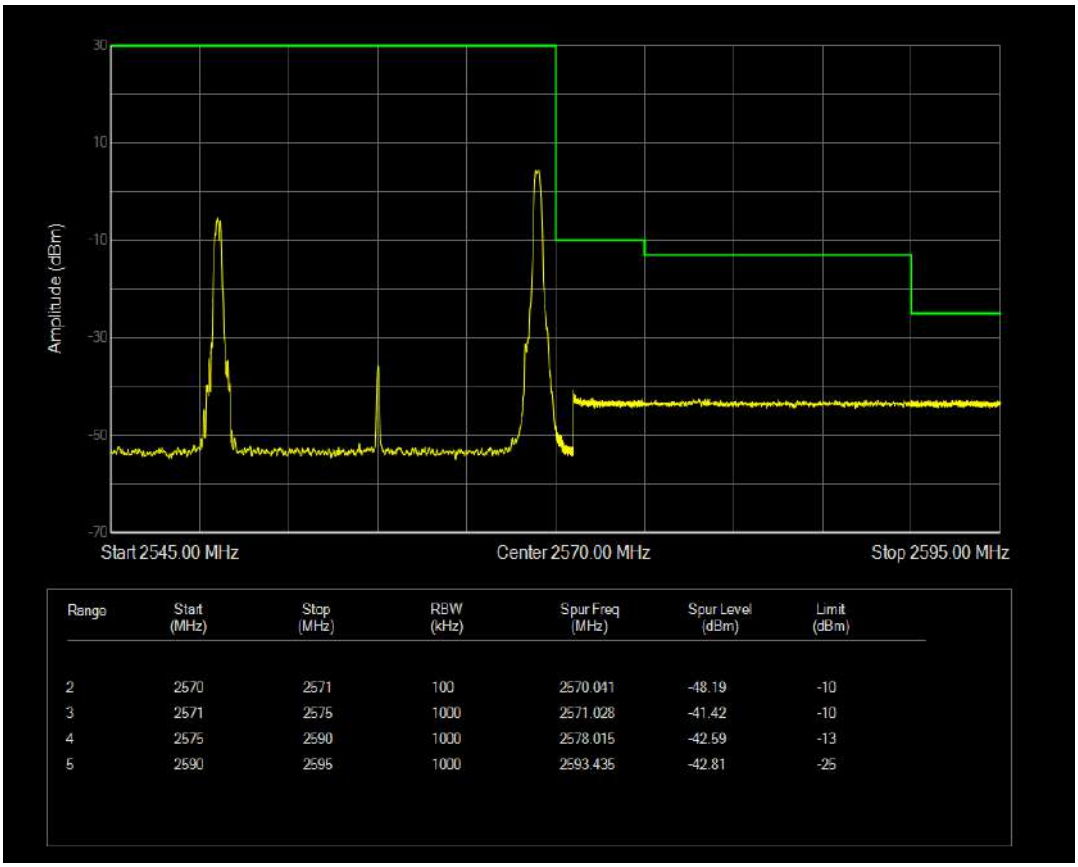
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490.5	1000	2490.469	-40.25	-25
2	2490.5	2496	1000	2495.7195	-37.04	-13
3	2496	2499	1000	2497.653	-35.74	-10
4	2499	2500	430	2499.983	-36.85	-10

n7 SCS=30kHz CP_QPSK BW=20MHz Channel=512000 RB=1@0



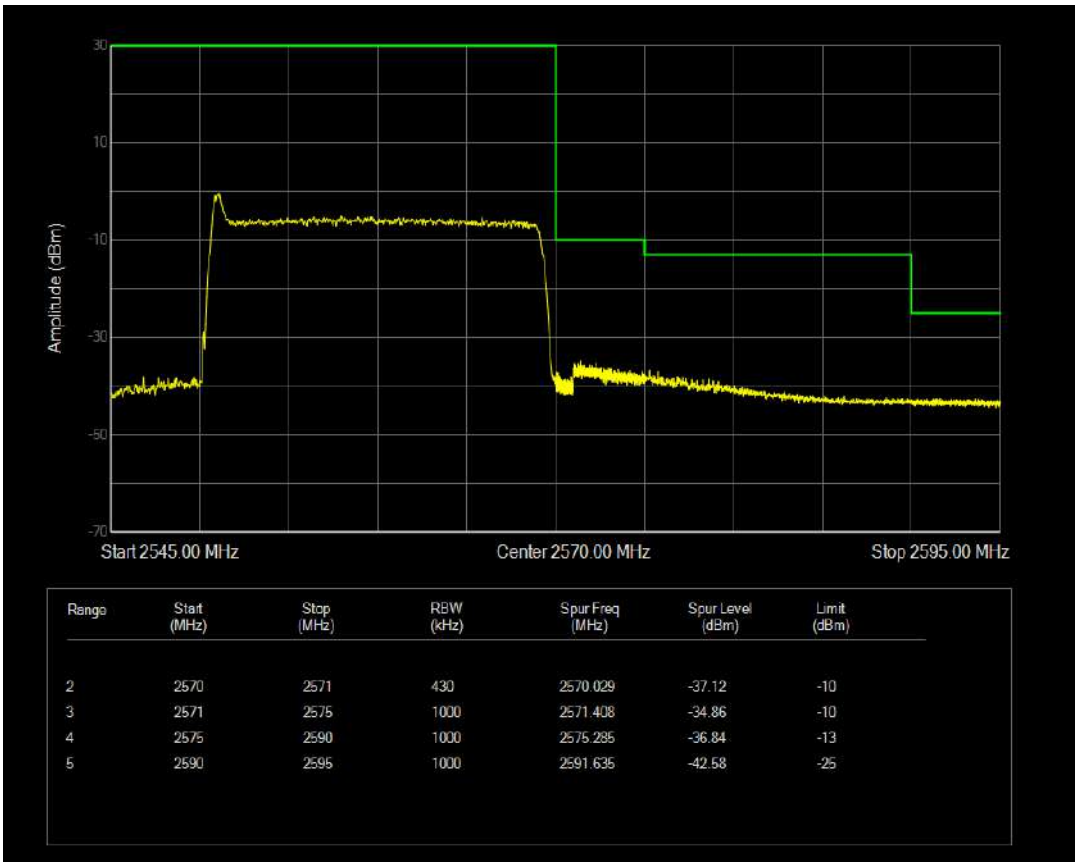
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.678	-51.9	-10
3	2571	2575	1000	2571.628	-42.44	-10
4	2575	2590	1000	2589.55	-42.49	-13
5	2590	2595	1000	2593.56	-42.78	-25

n7 SCS=30kHz CP_QPSK BW=20MHz Channel=512000 RB=1@50



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.041	-48.19	-10
3	2571	2575	1000	2571.028	-41.42	-10
4	2575	2590	1000	2578.015	-42.59	-13
5	2590	2595	1000	2593.435	-42.81	-25

n7 SCS=30kHz CP_QPSK BW=20MHz Channel=512000 RB=51@0

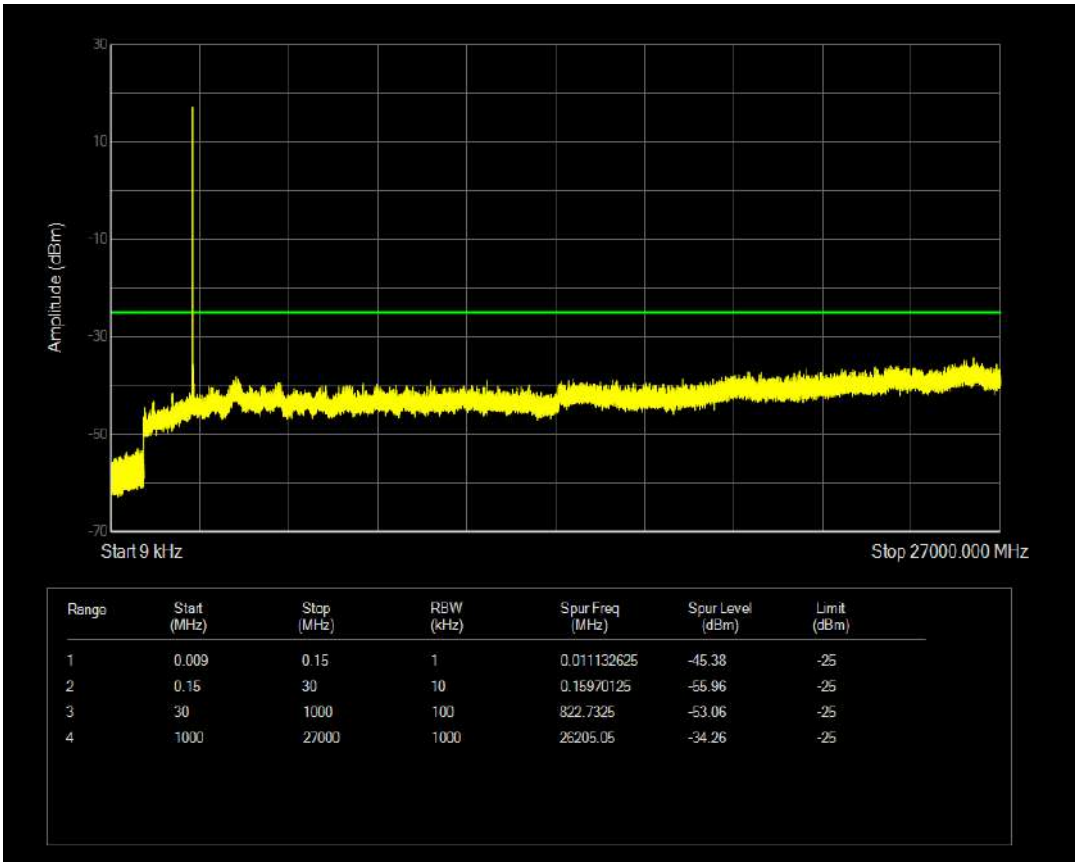


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	430	2570.029	-37.12	-10
3	2571	2575	1000	2571.408	-34.86	-10
4	2575	2590	1000	2575.285	-36.84	-13
5	2590	2595	1000	2591.635	-42.58	-25

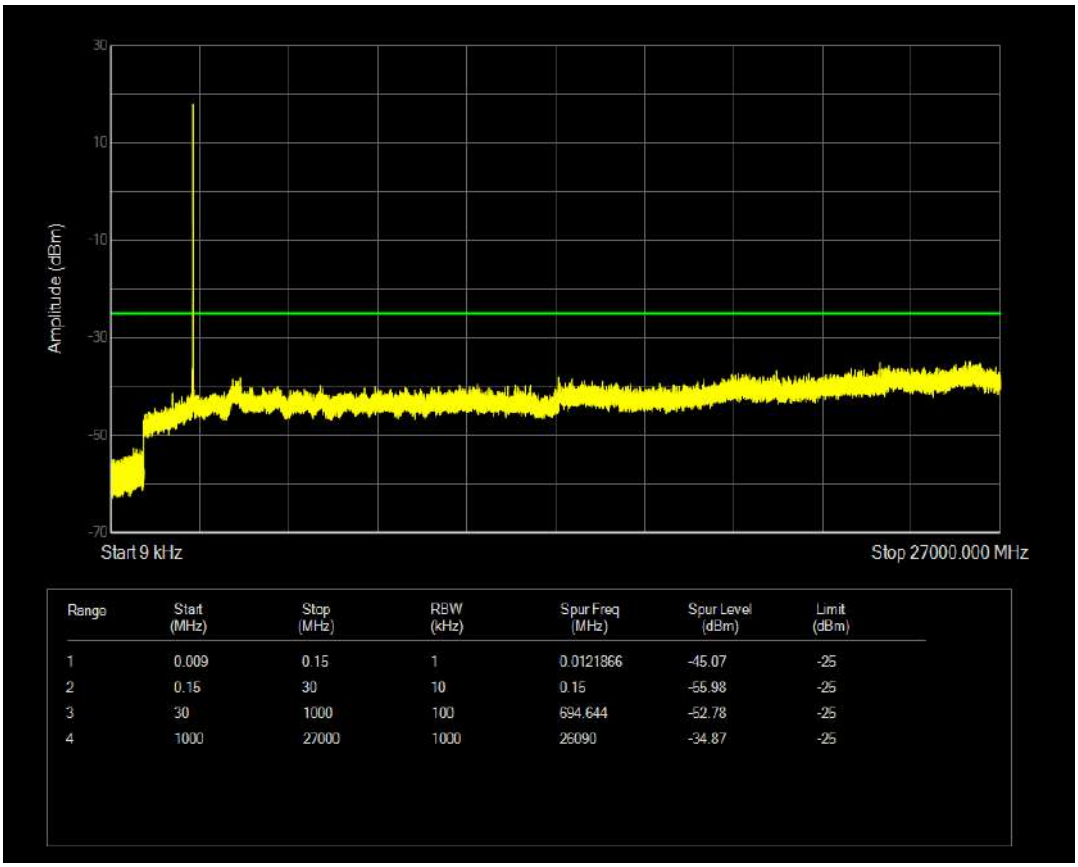
6 Out-of-band emissions for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n7	15	5	500500	25@0	CP_QPSK	26398.75	-34.19	-25	PASS
n7	15	5	500500	1@0	CP_QPSK	26327.90	-34.42	-25	PASS
n7	15	5	500500	1@24	CP_QPSK	26232.35	-34.61	-25	PASS
n7	15	5	513500	25@0	CP_QPSK	26219.35	-34.99	-25	PASS
n7	15	5	513500	1@0	CP_QPSK	26331.15	-34.43	-25	PASS
n7	15	5	513500	1@24	CP_QPSK	25762.40	-34.58	-25	PASS
n7	15	15	501500	79@0	CP_QPSK	25636.95	-34.75	-25	PASS
n7	15	15	501500	1@0	CP_QPSK	26205.05	-34.26	-25	PASS
n7	15	15	501500	1@78	CP_QPSK	26090.00	-34.87	-25	PASS
n7	15	15	512500	79@0	CP_QPSK	26307.75	-34.89	-25	PASS
n7	15	15	512500	1@0	CP_QPSK	26260.30	-34.72	-25	PASS
n7	15	15	512500	1@78	CP_QPSK	26047.75	-34.64	-25	PASS
n7	15	20	502000	106@0	CP_QPSK	26223.25	-34.63	-25	PASS
n7	15	20	502000	1@0	CP_QPSK	26477.40	-34.87	-25	PASS
n7	15	20	502000	1@105	CP_QPSK	26363.65	-33.62	-25	PASS
n7	15	20	512000	106@0	CP_QPSK	26235.60	-34.44	-25	PASS
n7	15	20	512000	1@0	CP_QPSK	25857.30	-34.71	-25	PASS
n7	15	20	512000	1@105	CP_QPSK	23701.25	-34.95	-25	PASS

n7 SCS=15kHz CP_QPSK BW=15MHz Channel=501500 RB=1@0

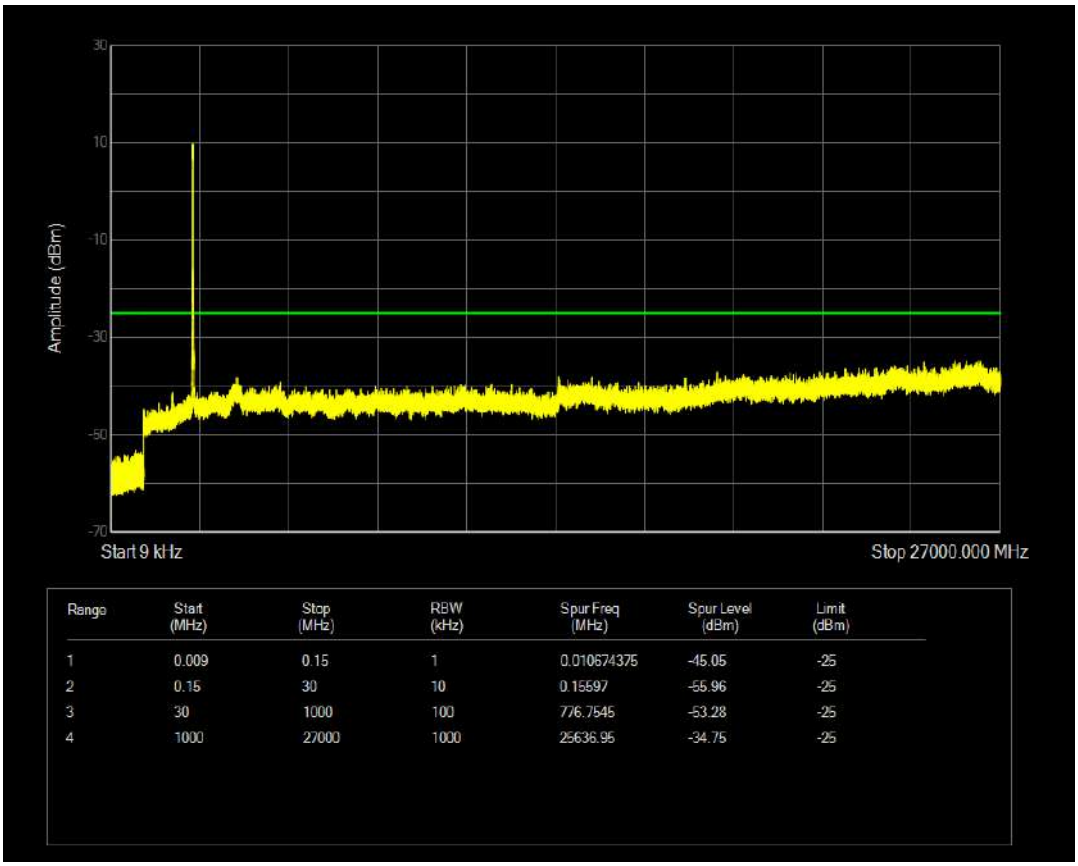


n7 SCS=15kHz CP_QPSK BW=15MHz Channel=501500 RB=1@78



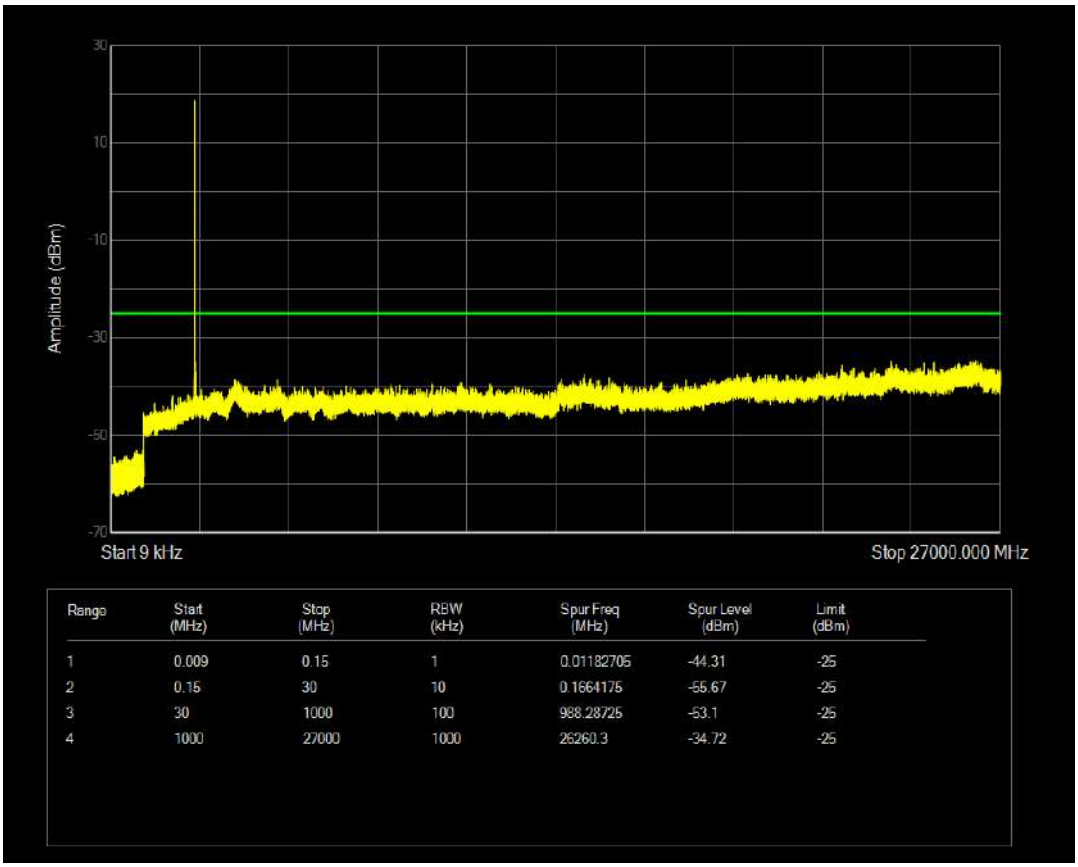
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0121866	-45.07	-25
2	0.15	30	10	0.15	-55.98	-25
3	30	1000	100	694.644	-52.78	-25
4	1000	27000	1000	25090	-34.87	-25

n7 SCS=15kHz CP_QPSK BW=15MHz Channel=501500 RB=79@0



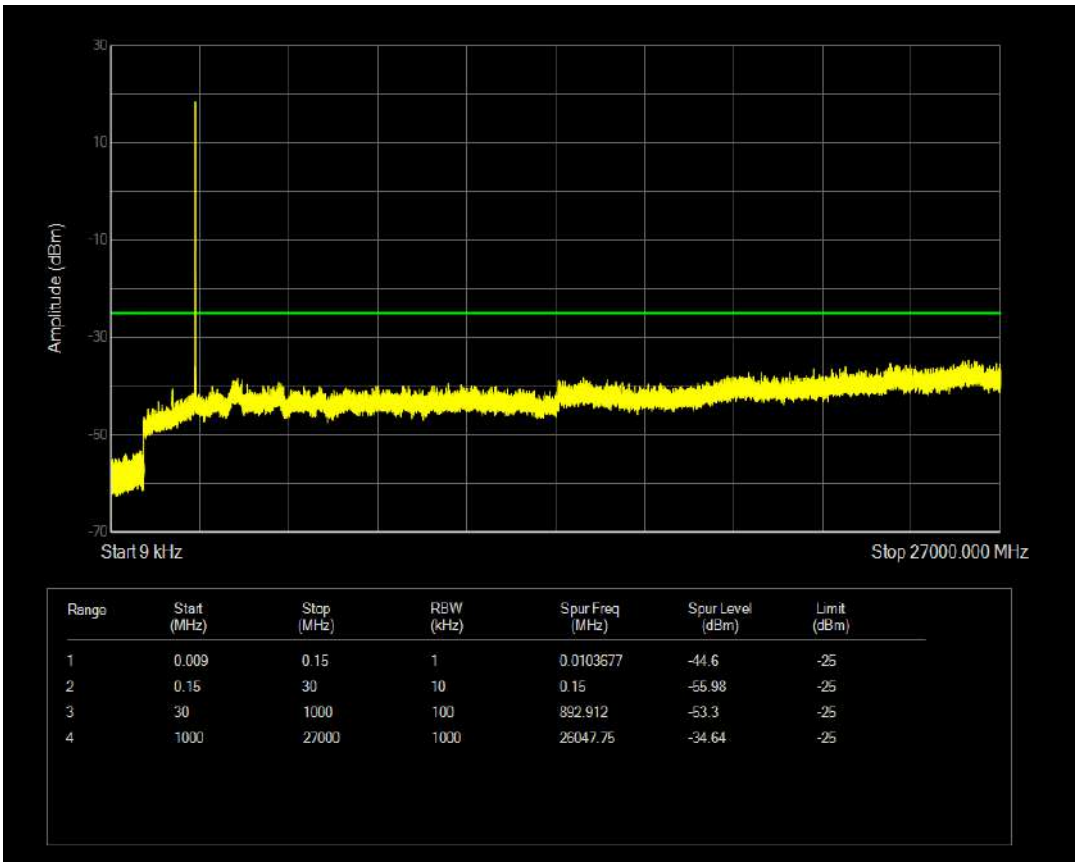
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010674375	-45.05	-25
2	0.15	30	10	0.15597	-55.96	-25
3	30	1000	100	776.7545	-53.28	-25
4	1000	27000	1000	25636.95	-34.75	-25

n7 SCS=15kHz CP_QPSK BW=15MHz Channel=512500 RB=1@0



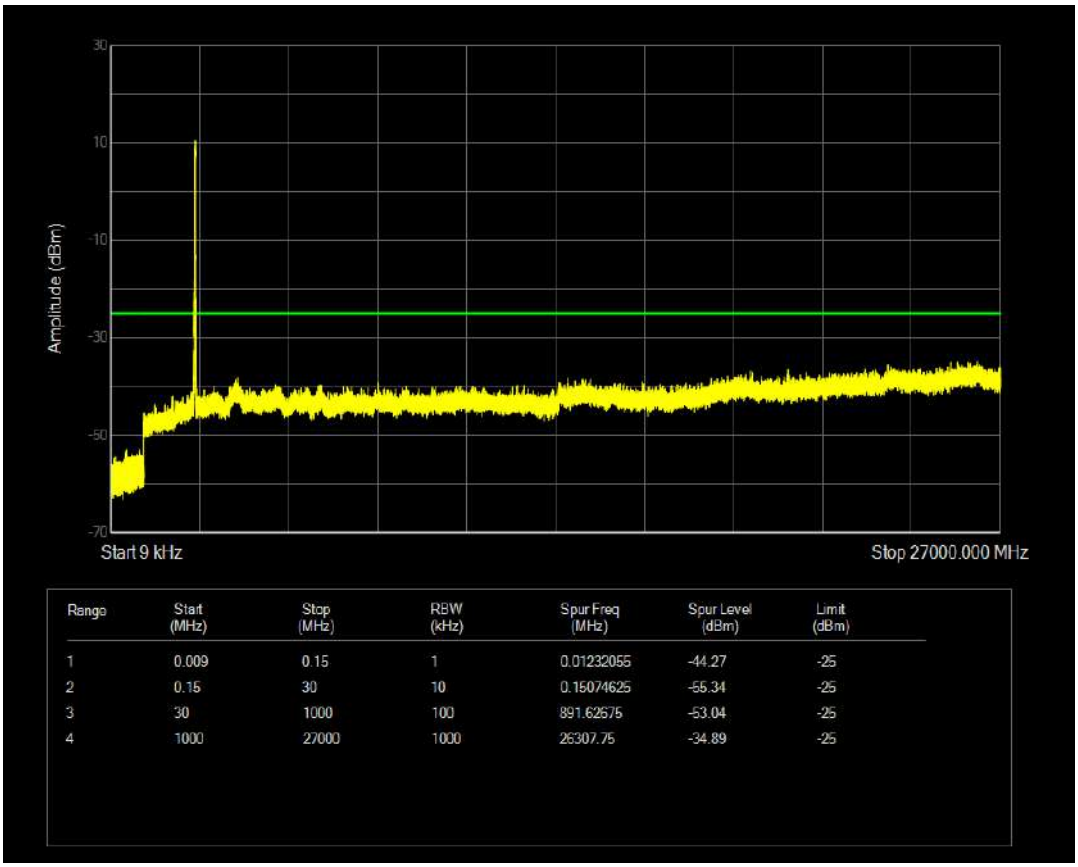
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01182705	-44.31	-25
2	0.15	30	10	0.1664175	-55.67	-25
3	30	1000	100	988.28725	-53.1	-25
4	1000	27000	1000	25260.3	-34.72	-25

n7 SCS=15kHz CP_QPSK BW=15MHz Channel=512500 RB=1@78



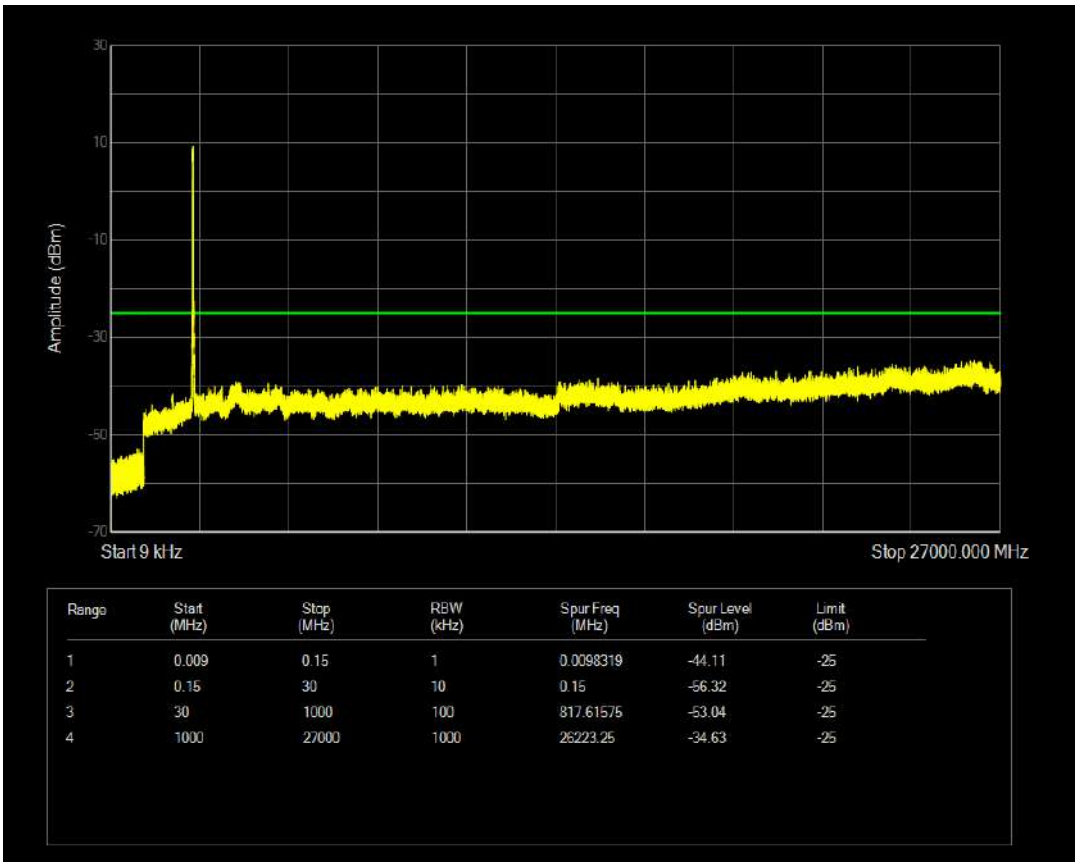
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0103677	-44.6	-25
2	0.15	30	10	0.15	-55.98	-25
3	30	1000	100	892.912	-53.3	-25
4	1000	27000	1000	26047.75	-34.64	-25

n7 SCS=15kHz CP_QPSK BW=15MHz Channel=512500 RB=79@0



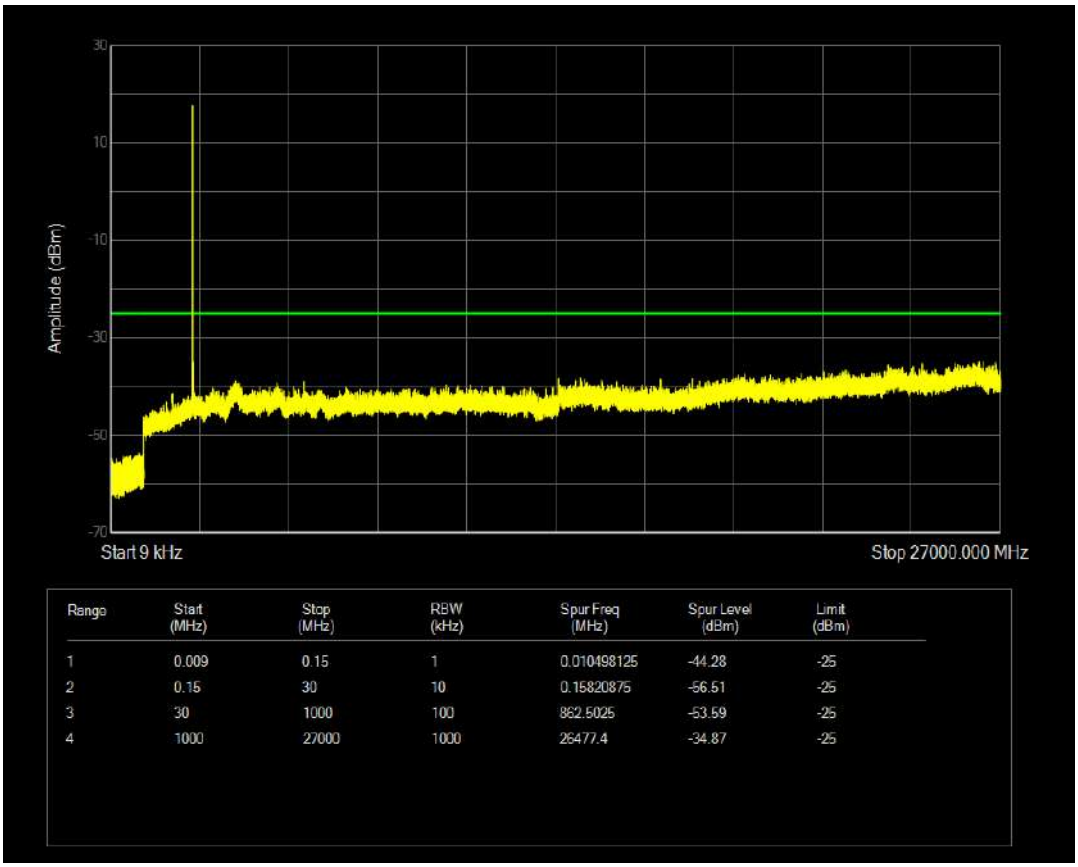
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01232055	-44.27	-25
2	0.15	30	10	0.15074625	-55.34	-25
3	30	1000	100	891.62575	-53.04	-25
4	1000	27000	1000	26307.75	-34.89	-25

n7 SCS=15kHz CP_QPSK BW=20MHz Channel=502000 RB=106@0



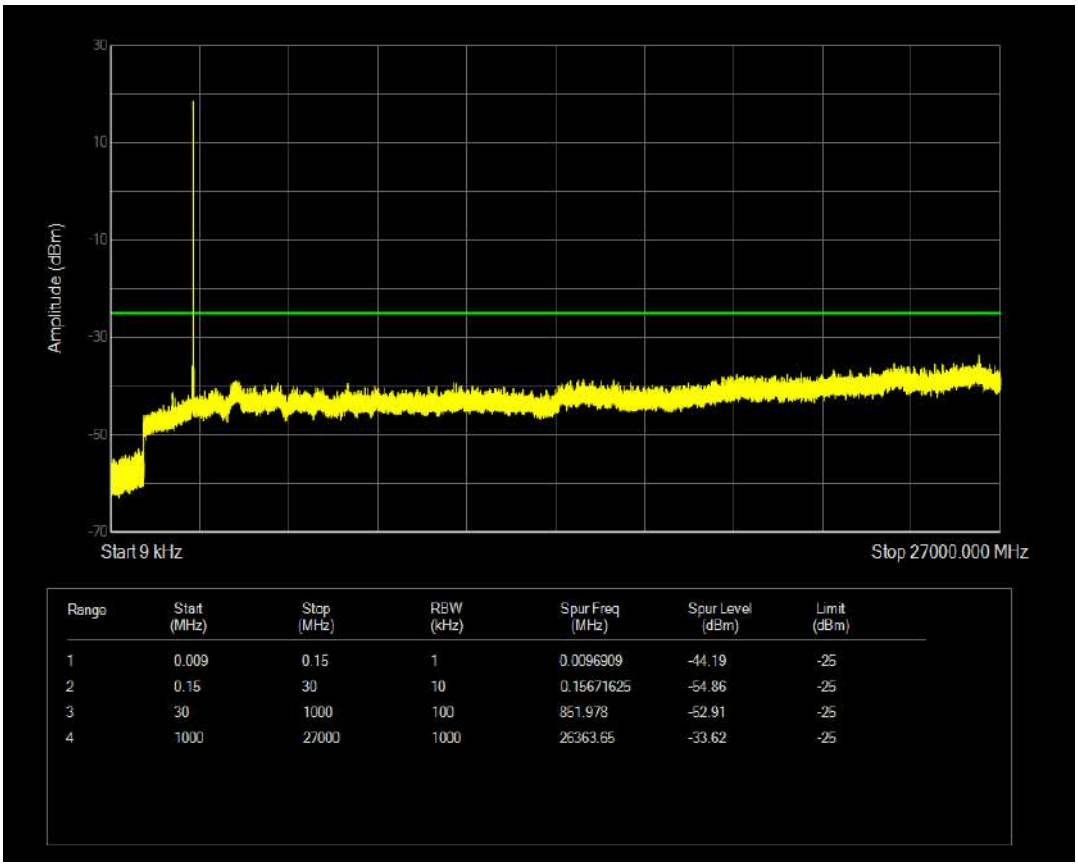
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0098319	-44.11	-25
2	0.15	30	10	0.15	-56.32	-25
3	30	1000	100	817.61575	-53.04	-25
4	1000	27000	1000	26223.25	-34.63	-25

n7 SCS=15kHz CP_QPSK BW=20MHz Channel=502000 RB=1@0



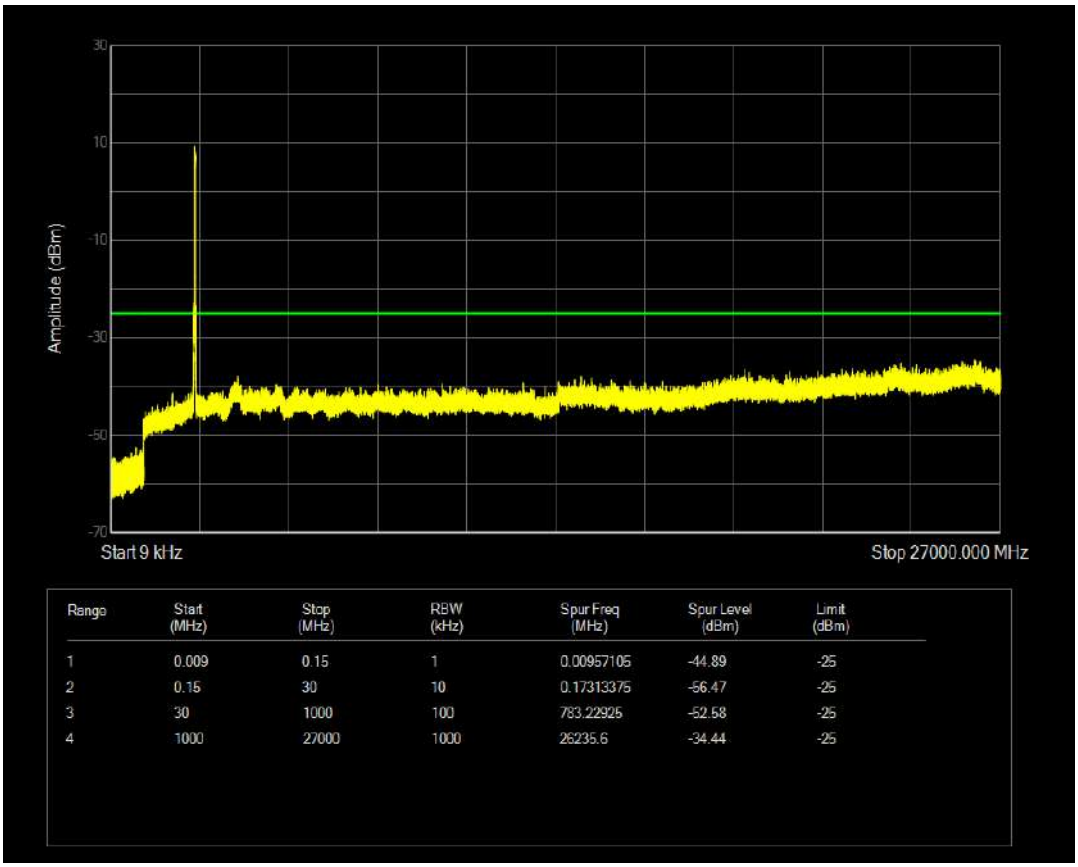
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010498125	-44.28	-25
2	0.15	30	10	0.15820875	-56.51	-25
3	30	1000	100	862.5025	-53.59	-25
4	1000	27000	1000	26477.4	-34.87	-25

n7 SCS=15kHz CP_QPSK BW=20MHz Channel=502000 RB=1@105



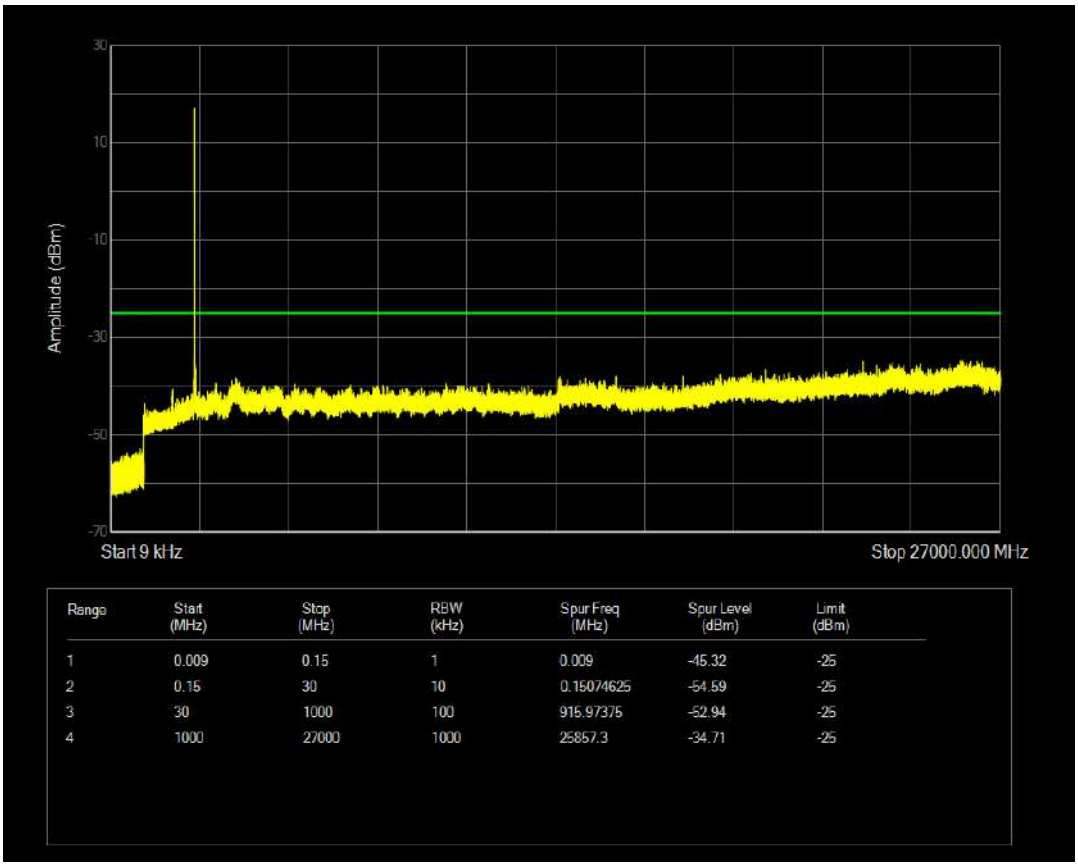
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0096909	-44.19	-25
2	0.15	30	10	0.15671625	-54.86	-25
3	30	1000	100	851.978	-52.91	-25
4	1000	27000	1000	26363.65	-33.62	-25

n7 SCS=15kHz CP_QPSK BW=20MHz Channel=512000 RB=106@0



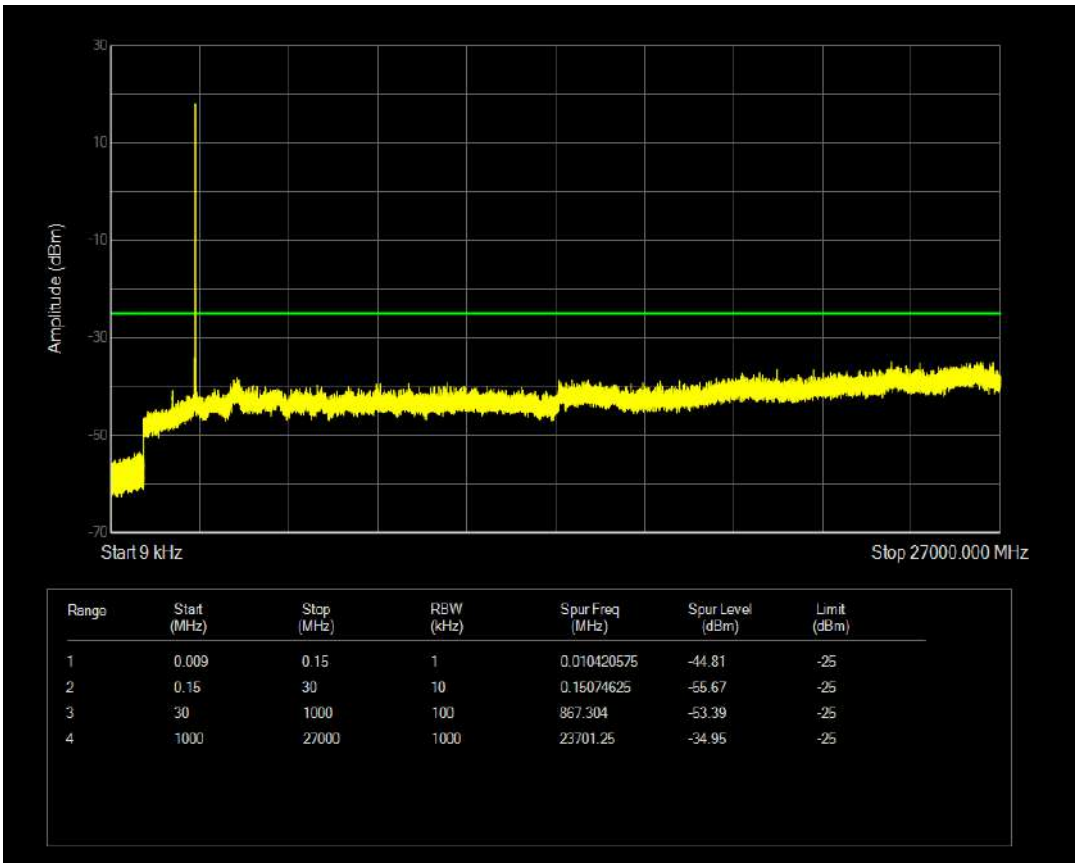
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00957105	-44.89	-25
2	0.15	30	10	0.17313375	-56.47	-25
3	30	1000	100	783.22925	-52.58	-25
4	1000	27000	1000	25235.6	-34.44	-25

n7 SCS=15kHz CP_QPSK BW=20MHz Channel=512000 RB=1@0



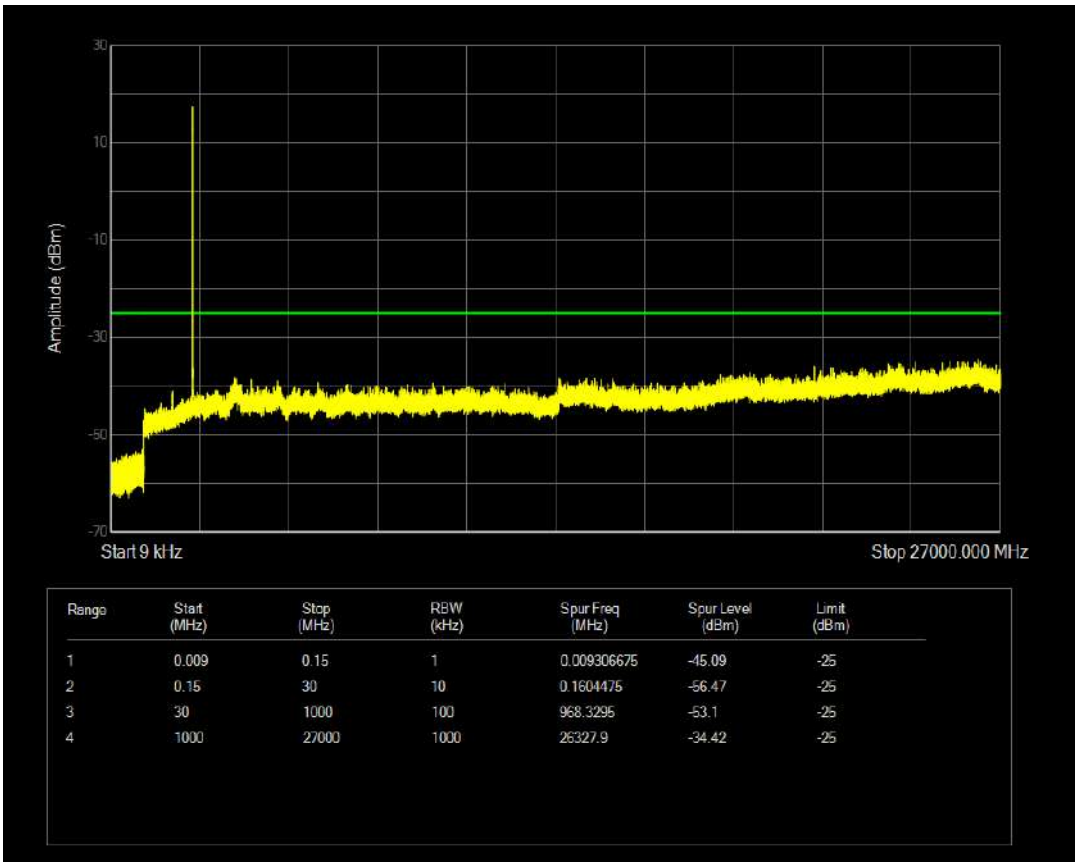
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-45.32	-25
2	0.15	30	10	0.15074625	-54.59	-25
3	30	1000	100	916.97375	-52.94	-25
4	1000	27000	1000	25857.3	-34.71	-25

n7 SCS=15kHz CP_QPSK BW=20MHz Channel=512000 RB=1@105



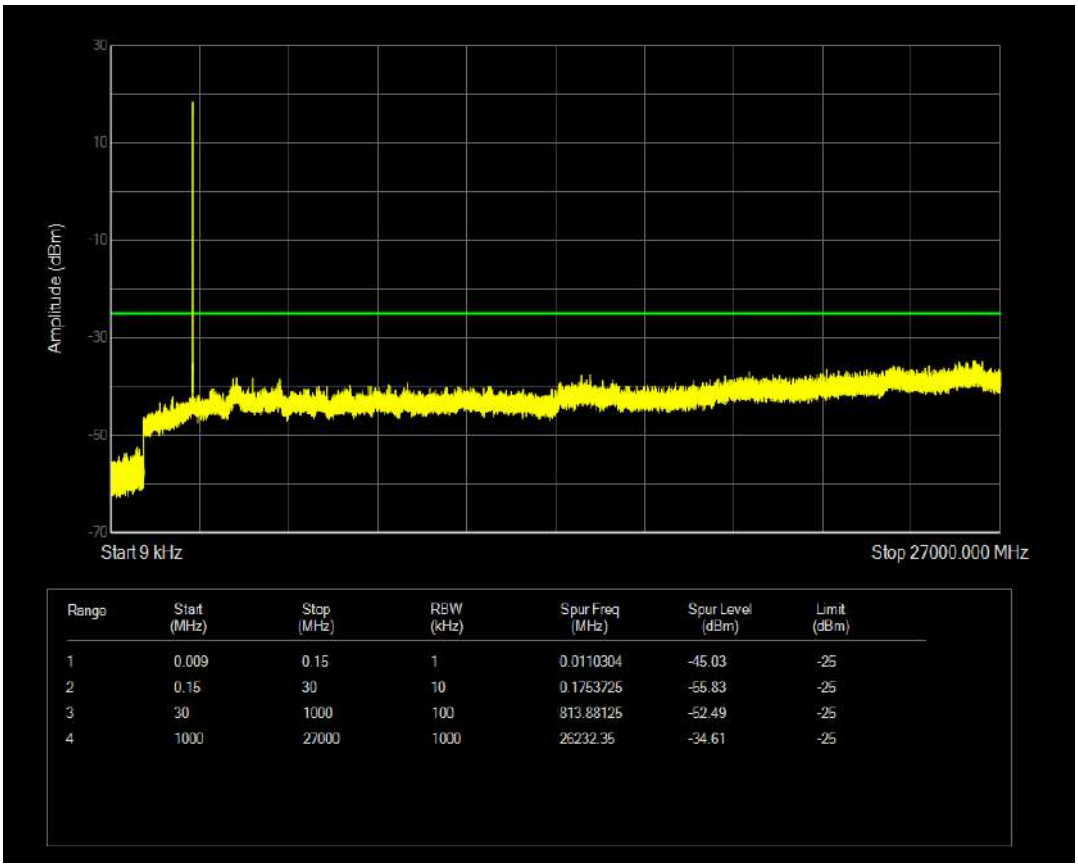
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010420575	-44.81	-25
2	0.15	30	10	0.15074625	-55.67	-25
3	30	1000	100	867.304	-53.39	-25
4	1000	27000	1000	23701.25	-34.95	-25

n7 SCS=15kHz CP_QPSK BW=5MHz Channel=500500 RB=1@0



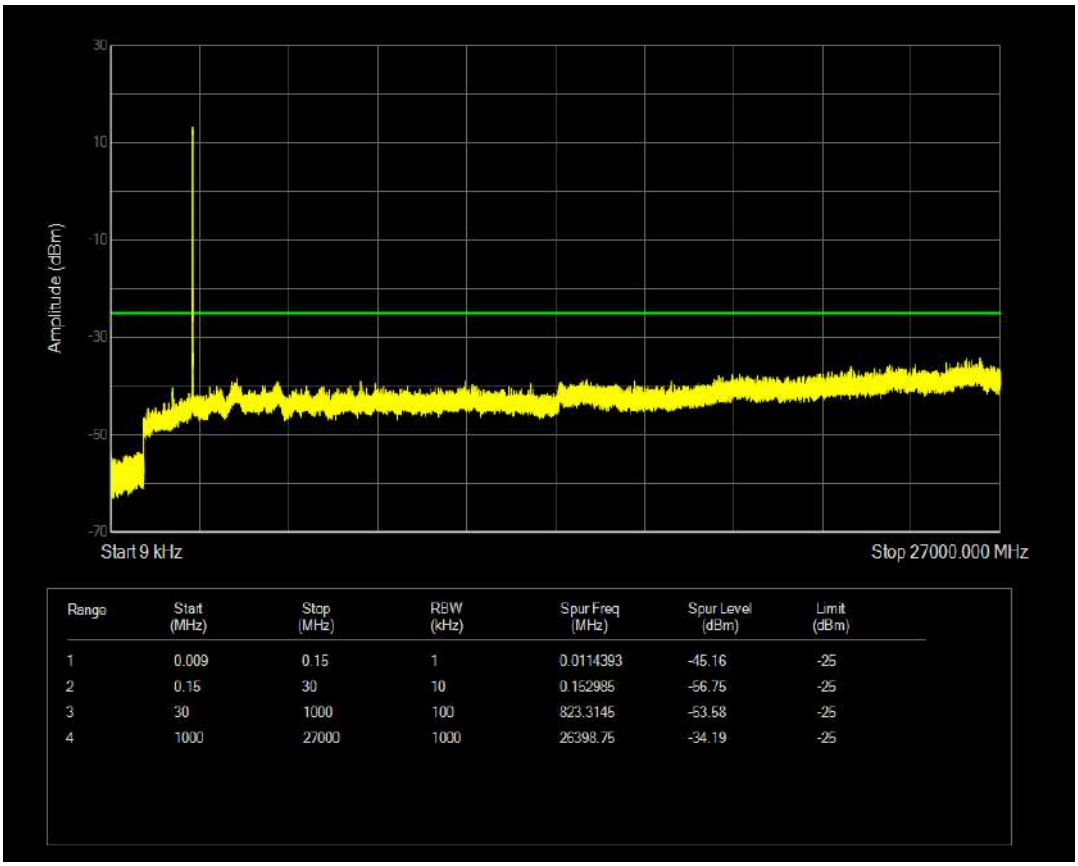
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009306675	-45.09	-25
2	0.15	30	10	0.1604475	-56.47	-25
3	30	1000	100	968.3295	-53.1	-25
4	1000	27000	1000	26327.9	-34.42	-25

n7 SCS=15kHz CP_QPSK BW=5MHz Channel=500500 RB=1@24



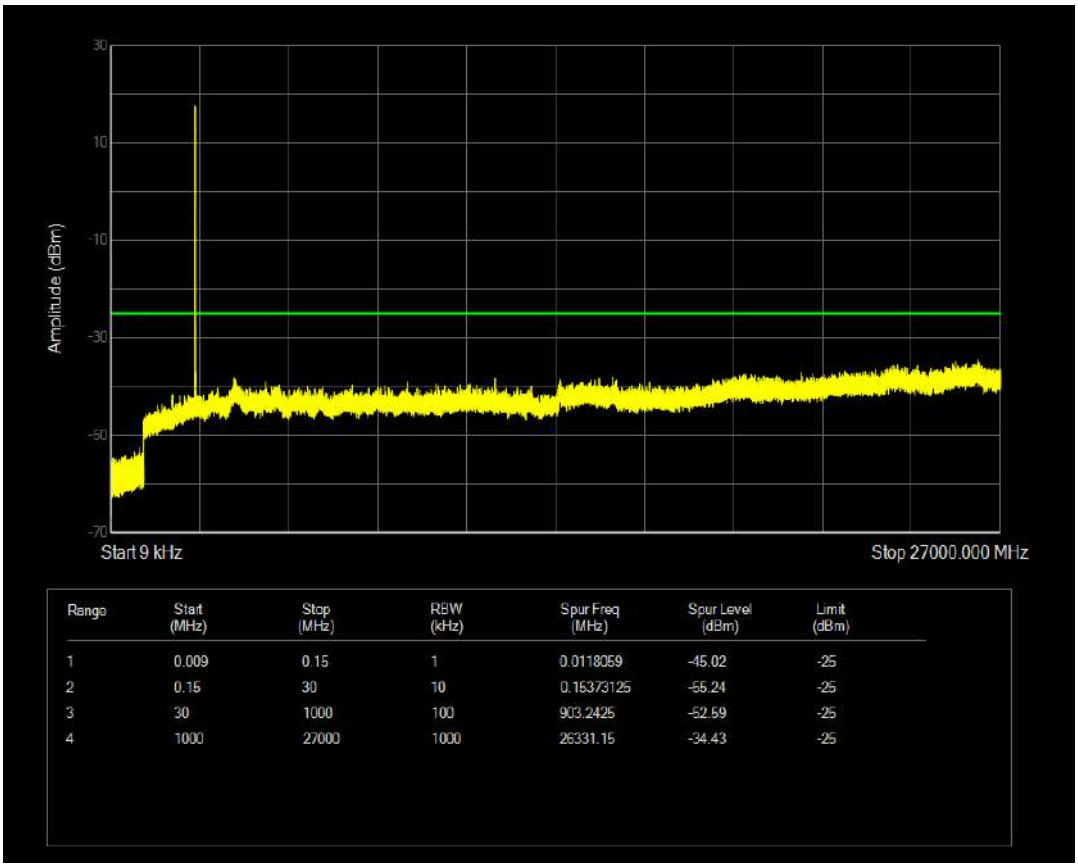
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0110304	-45.03	-25
2	0.15	30	10	0.1753725	-55.83	-25
3	30	1000	100	813.88125	-52.49	-25
4	1000	27000	1000	25232.35	-34.61	-25

n7 SCS=15kHz CP_QPSK BW=5MHz Channel=500500 RB=25@0



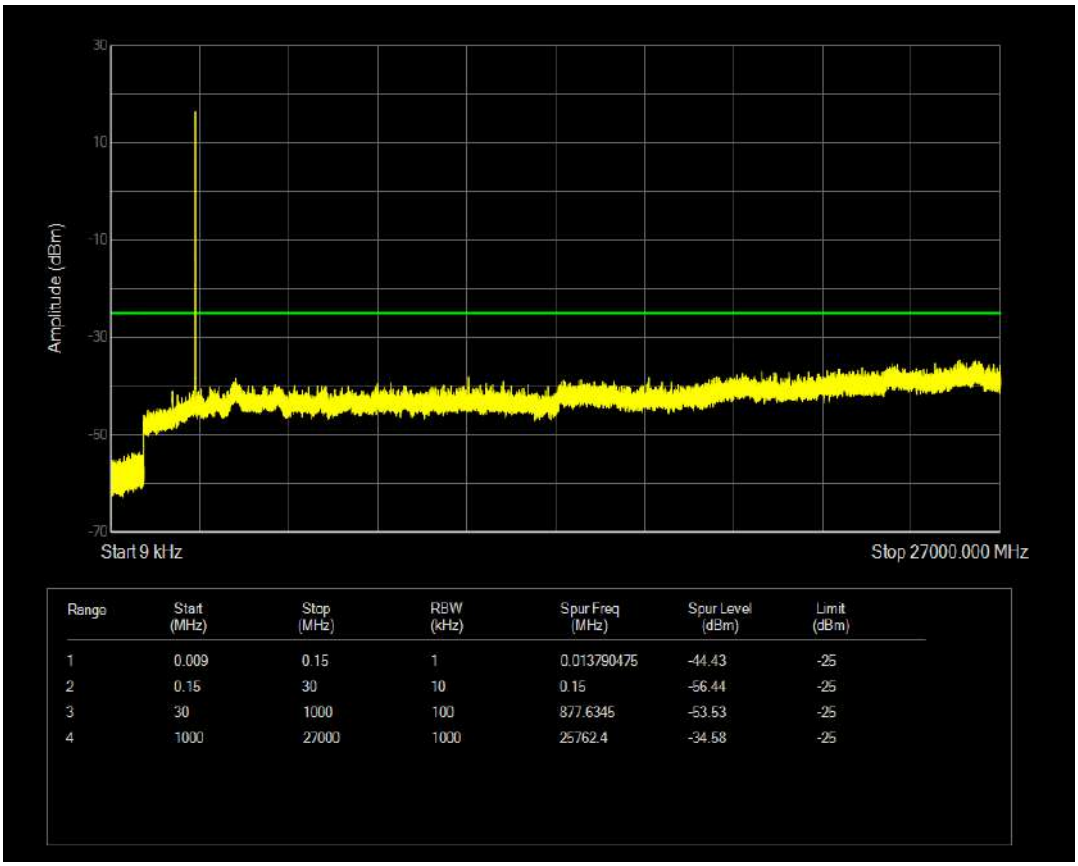
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0114393	-45.16	-25
2	0.15	30	10	0.152985	-56.75	-25
3	30	1000	100	823.3145	-53.58	-25
4	1000	27000	1000	26398.75	-34.19	-25

n7 SCS=15kHz CP_QPSK BW=5MHz Channel=513500 RB=1@0



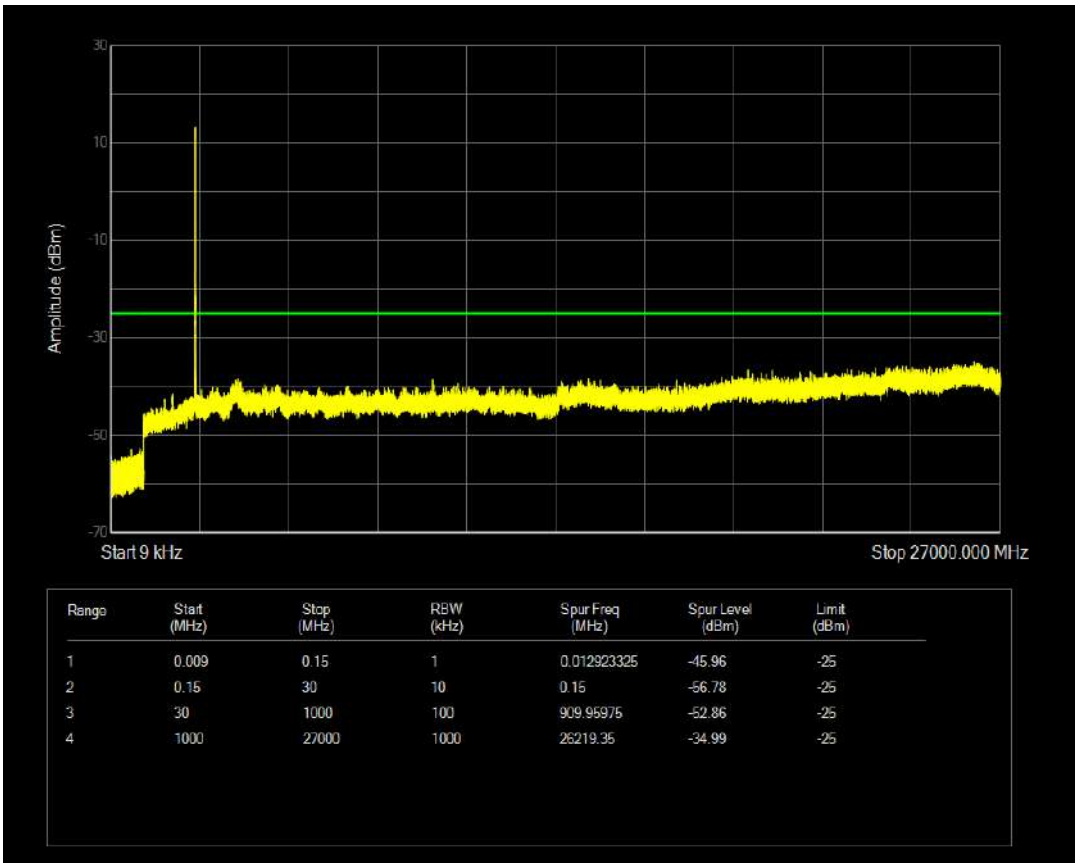
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0118059	-45.02	-25
2	0.15	30	10	0.15373125	-55.24	-25
3	30	1000	100	903.2425	-52.59	-25
4	1000	27000	1000	26331.15	-34.43	-25

n7 SCS=15kHz CP_QPSK BW=5MHz Channel=513500 RB=1@24



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013790475	-44.43	-25
2	0.15	30	10	0.15	-56.44	-25
3	30	1000	100	877.6345	-53.53	-25
4	1000	27000	1000	25762.4	-34.58	-25

n7 SCS=15kHz CP_QPSK BW=5MHz Channel=513500 RB=25@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012923325	-45.96	-25
2	0.15	30	10	0.15	-56.78	-25
3	30	1000	100	909.95975	-52.86	-25
4	1000	27000	1000	26219.35	-34.99	-25