

**1 Conducted output power for NR FR1 UL-MIMO**

Band	Ant	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	ERP (dBm)	high Limit (dBm)	Verdict
n41	ant1	30	20	501204	25@12	CP_QPSK	20.10	20.90		PASS
n41	ant2	30	20	501204	25@12	CP_QPSK	20.07	23.67		PASS
n41	sum	30	20	501204	25@12	CP_QPSK	23.10	25.51	33	PASS
n41	ant1	30	20	501204	1@1	CP_QPSK	20.07	20.87		PASS
n41	ant2	30	20	501204	1@1	CP_QPSK	20.01	23.61		PASS
n41	sum	30	20	501204	1@1	CP_QPSK	23.05	25.46	33	PASS
n41	ant1	30	20	501204	1@49	CP_QPSK	20.06	20.86		PASS
n41	ant2	30	20	501204	1@49	CP_QPSK	20.06	23.66		PASS
n41	sum	30	20	501204	1@49	CP_QPSK	23.07	25.49	33	PASS
n41	ant1	30	20	501204	25@12	CP_QAM16	19.59	20.39		PASS
n41	ant2	30	20	501204	25@12	CP_QAM16	19.56	23.16		PASS
n41	sum	30	20	501204	25@12	CP_QAM16	22.59	25.00	33	PASS
n41	ant1	30	20	501204	1@1	CP_QAM16	19.31	20.11		PASS
n41	ant2	30	20	501204	1@1	CP_QAM16	19.74	23.34		PASS
n41	sum	30	20	501204	1@1	CP_QAM16	22.54	25.03	33	PASS
n41	ant1	30	20	501204	1@49	CP_QAM16	19.24	20.04		PASS
n41	ant2	30	20	501204	1@49	CP_QAM16	19.91	23.51		PASS
n41	sum	30	20	501204	1@49	CP_QAM16	22.60	25.12	33	PASS
n41	ant1	30	20	501204	25@12	CP_QAM64	18.08	18.88		PASS
n41	ant2	30	20	501204	25@12	CP_QAM64	18.17	21.77		PASS
n41	sum	30	20	501204	25@12	CP_QAM64	21.14	23.57	33	PASS
n41	ant1	30	20	501204	1@1	CP_QAM64	18.41	19.21		PASS
n41	ant2	30	20	501204	1@1	CP_QAM64	18.54	22.14		PASS
n41	sum	30	20	501204	1@1	CP_QAM64	21.49	23.93	33	PASS
n41	ant1	30	20	501204	1@49	CP_QAM64	18.32	19.12		PASS
n41	ant2	30	20	501204	1@49	CP_QAM64	18.58	22.18		PASS
n41	sum	30	20	501204	1@49	CP_QAM64	21.46	23.92	33	PASS
n41	ant1	30	20	501204	25@12	CP_QAM256	15.11	15.91		PASS
n41	ant2	30	20	501204	25@12	CP_QAM256	15.16	18.76		PASS
n41	sum	30	20	501204	25@12	CP_QAM256	18.15	20.58	33	PASS
n41	ant1	30	20	501204	1@1	CP_QAM256	15.31	16.11		PASS
n41	ant2	30	20	501204	1@1	CP_QAM256	15.45	19.05		PASS
n41	sum	30	20	501204	1@1	CP_QAM256	18.39	20.83	33	PASS
n41	ant1	30	20	501204	1@49	CP_QAM256	15.25	16.05		PASS
n41	ant2	30	20	501204	1@49	CP_QAM256	15.51	19.11		PASS
n41	sum	30	20	501204	1@49	CP_QAM256	18.39	20.85	33	PASS
n41	ant1	30	20	518598	25@12	CP_QPSK	20.38	21.18		PASS
n41	ant2	30	20	518598	25@12	CP_QPSK	20.23	23.83		PASS

n41	sum	30	20	518598	25@12	CP_QPSK	23.32	25.71	33	PASS
n41	ant1	30	20	518598	1@1	CP_QPSK	20.40	21.20		PASS
n41	ant2	30	20	518598	1@1	CP_QPSK	20.55	24.15		PASS
n41	sum	30	20	518598	1@1	CP_QPSK	23.49	25.93	33	PASS
n41	ant1	30	20	518598	1@49	CP_QPSK	20.41	21.21		PASS
n41	ant2	30	20	518598	1@49	CP_QPSK	20.24	23.84		PASS
n41	sum	30	20	518598	1@49	CP_QPSK	23.34	25.73	33	PASS
n41	ant1	30	20	518598	25@12	CP_QAM16	19.71	20.51		PASS
n41	ant2	30	20	518598	25@12	CP_QAM16	19.78	23.38		PASS
n41	sum	30	20	518598	25@12	CP_QAM16	22.76	25.19	33	PASS
n41	ant1	30	20	518598	1@1	CP_QAM16	19.64	20.44		PASS
n41	ant2	30	20	518598	1@1	CP_QAM16	20.14	23.74		PASS
n41	sum	30	20	518598	1@1	CP_QAM16	22.91	25.41	33	PASS
n41	ant1	30	20	518598	1@49	CP_QAM16	19.57	20.37		PASS
n41	ant2	30	20	518598	1@49	CP_QAM16	19.91	23.51		PASS
n41	sum	30	20	518598	1@49	CP_QAM16	22.75	25.23	33	PASS
n41	ant1	30	20	518598	25@12	CP_QAM64	18.28	19.08		PASS
n41	ant2	30	20	518598	25@12	CP_QAM64	18.32	21.92		PASS
n41	sum	30	20	518598	25@12	CP_QAM64	21.31	23.74	33	PASS
n41	ant1	30	20	518598	1@1	CP_QAM64	18.58	19.38		PASS
n41	ant2	30	20	518598	1@1	CP_QAM64	19.04	22.64		PASS
n41	sum	30	20	518598	1@1	CP_QAM64	21.83	24.32	33	PASS
n41	ant1	30	20	518598	1@49	CP_QAM64	18.62	19.42		PASS
n41	ant2	30	20	518598	1@49	CP_QAM64	18.78	22.38		PASS
n41	sum	30	20	518598	1@49	CP_QAM64	21.71	24.16	33	PASS
n41	ant1	30	20	518598	25@12	CP_QAM256	15.37	16.17		PASS
n41	ant2	30	20	518598	25@12	CP_QAM256	15.38	18.98		PASS
n41	sum	30	20	518598	25@12	CP_QAM256	18.39	20.81	33	PASS
n41	ant1	30	20	518598	1@1	CP_QAM256	15.44	16.24		PASS
n41	ant2	30	20	518598	1@1	CP_QAM256	15.67	19.27		PASS
n41	sum	30	20	518598	1@1	CP_QAM256	18.57	21.02	33	PASS
n41	ant1	30	20	518598	1@49	CP_QAM256	15.51	16.31		PASS
n41	ant2	30	20	518598	1@49	CP_QAM256	15.53	19.13		PASS
n41	sum	30	20	518598	1@49	CP_QAM256	18.53	20.96	33	PASS
n41	ant1	30	20	535998	25@12	CP_QPSK	20.22	21.02		PASS
n41	ant2	30	20	535998	25@12	CP_QPSK	19.89	23.49		PASS
n41	sum	30	20	535998	25@12	CP_QPSK	23.07	25.44	33	PASS
n41	ant1	30	20	535998	1@1	CP_QPSK	20.21	21.01		PASS
n41	ant2	30	20	535998	1@1	CP_QPSK	19.99	23.59		PASS
n41	sum	30	20	535998	1@1	CP_QPSK	23.11	25.50	33	PASS
n41	ant1	30	20	535998	1@49	CP_QPSK	20.22	21.02		PASS
n41	ant2	30	20	535998	1@49	CP_QPSK	19.95	23.55		PASS

n41	sum	30	20	535998	1@49	CP_QPSK	23.10	25.48	33	PASS
n41	ant1	30	20	535998	25@12	CP_QAM16	19.71	20.51		PASS
n41	ant2	30	20	535998	25@12	CP_QAM16	19.50	23.10		PASS
n41	sum	30	20	535998	25@12	CP_QAM16	22.62	25.01	33	PASS
n41	ant1	30	20	535998	1@1	CP_QAM16	19.43	20.23		PASS
n41	ant2	30	20	535998	1@1	CP_QAM16	19.78	23.38		PASS
n41	sum	30	20	535998	1@1	CP_QAM16	22.62	25.09	33	PASS
n41	ant1	30	20	535998	1@49	CP_QAM16	19.50	20.30		PASS
n41	ant2	30	20	535998	1@49	CP_QAM16	19.83	23.43		PASS
n41	sum	30	20	535998	1@49	CP_QAM16	22.68	25.15	33	PASS
n41	ant1	30	20	535998	25@12	CP_QAM64	18.20	19.00		PASS
n41	ant2	30	20	535998	25@12	CP_QAM64	17.94	21.54		PASS
n41	sum	30	20	535998	25@12	CP_QAM64	21.08	23.46	33	PASS
n41	ant1	30	20	535998	1@1	CP_QAM64	18.52	19.32		PASS
n41	ant2	30	20	535998	1@1	CP_QAM64	18.43	22.03		PASS
n41	sum	30	20	535998	1@1	CP_QAM64	21.49	23.89	33	PASS
n41	ant1	30	20	535998	1@49	CP_QAM64	18.50	19.30		PASS
n41	ant2	30	20	535998	1@49	CP_QAM64	18.36	21.96		PASS
n41	sum	30	20	535998	1@49	CP_QAM64	21.44	23.84	33	PASS
n41	ant1	30	20	535998	25@12	CP_QAM256	15.28	16.08		PASS
n41	ant2	30	20	535998	25@12	CP_QAM256	15.00	18.60		PASS
n41	sum	30	20	535998	25@12	CP_QAM256	18.15	20.53	33	PASS
n41	ant1	30	20	535998	1@1	CP_QAM256	15.38	16.18		PASS
n41	ant2	30	20	535998	1@1	CP_QAM256	15.41	19.01		PASS
n41	sum	30	20	535998	1@1	CP_QAM256	18.41	20.83	33	PASS
n41	ant1	30	20	535998	1@49	CP_QAM256	15.43	16.23		PASS
n41	ant2	30	20	535998	1@49	CP_QAM256	15.38	18.98		PASS
n41	sum	30	20	535998	1@49	CP_QAM256	18.42	20.83	33	PASS
n41	ant1	30	30	502200	39@19	CP_QPSK	20.05	20.85		PASS
n41	ant2	30	30	502200	39@19	CP_QPSK	20.19	23.79		PASS
n41	sum	30	30	502200	39@19	CP_QPSK	23.13	25.57	33	PASS
n41	ant1	30	30	502200	1@1	CP_QPSK	20.07	20.87		PASS
n41	ant2	30	30	502200	1@1	CP_QPSK	20.02	23.62		PASS
n41	sum	30	30	502200	1@1	CP_QPSK	23.06	25.47	33	PASS
n41	ant1	30	30	502200	1@76	CP_QPSK	20.09	20.89		PASS
n41	ant2	30	30	502200	1@76	CP_QPSK	20.10	23.70		PASS
n41	sum	30	30	502200	1@76	CP_QPSK	23.11	25.53	33	PASS
n41	ant1	30	30	502200	39@19	CP_QAM16	19.59	20.39		PASS
n41	ant2	30	30	502200	39@19	CP_QAM16	19.66	23.26		PASS
n41	sum	30	30	502200	39@19	CP_QAM16	22.64	25.07	33	PASS
n41	ant1	30	30	502200	1@1	CP_QAM16	19.30	20.10		PASS
n41	ant2	30	30	502200	1@1	CP_QAM16	19.79	23.39		PASS

n41	sum	30	30	502200	1@1	CP_QAM16	22.56	25.06	33	PASS
n41	ant1	30	30	502200	1@76	CP_QAM16	19.38	20.18		PASS
n41	ant2	30	30	502200	1@76	CP_QAM16	19.83	23.43		PASS
n41	sum	30	30	502200	1@76	CP_QAM16	22.62	25.11	33	PASS
n41	ant1	30	30	502200	39@19	CP_QAM64	18.01	18.81		PASS
n41	ant2	30	30	502200	39@19	CP_QAM64	18.24	21.84		PASS
n41	sum	30	30	502200	39@19	CP_QAM64	21.14	23.59	33	PASS
n41	ant1	30	30	502200	1@1	CP_QAM64	18.53	19.33		PASS
n41	ant2	30	30	502200	1@1	CP_QAM64	18.38	21.98		PASS
n41	sum	30	30	502200	1@1	CP_QAM64	21.47	23.86	33	PASS
n41	ant1	30	30	502200	1@76	CP_QAM64	18.41	19.21		PASS
n41	ant2	30	30	502200	1@76	CP_QAM64	18.51	22.11		PASS
n41	sum	30	30	502200	1@76	CP_QAM64	21.47	23.91	33	PASS
n41	ant1	30	30	502200	39@19	CP_QAM256	15.02	15.82		PASS
n41	ant2	30	30	502200	39@19	CP_QAM256	15.13	18.73		PASS
n41	sum	30	30	502200	39@19	CP_QAM256	18.09	20.52	33	PASS
n41	ant1	30	30	502200	1@1	CP_QAM256	15.36	16.16		PASS
n41	ant2	30	30	502200	1@1	CP_QAM256	15.32	18.92		PASS
n41	sum	30	30	502200	1@1	CP_QAM256	18.35	20.77	33	PASS
n41	ant1	30	30	502200	1@76	CP_QAM256	15.28	16.08		PASS
n41	ant2	30	30	502200	1@76	CP_QAM256	15.45	19.05		PASS
n41	sum	30	30	502200	1@76	CP_QAM256	18.38	20.82	33	PASS
n41	ant1	30	30	518598	39@19	CP_QPSK	20.30	21.10		PASS
n41	ant2	30	30	518598	39@19	CP_QPSK	20.41	24.01		PASS
n41	sum	30	30	518598	39@19	CP_QPSK	23.37	25.80	33	PASS
n41	ant1	30	30	518598	1@1	CP_QPSK	20.52	21.32		PASS
n41	ant2	30	30	518598	1@1	CP_QPSK	20.44	24.04		PASS
n41	sum	30	30	518598	1@1	CP_QPSK	23.49	25.90	33	PASS
n41	ant1	30	30	518598	1@76	CP_QPSK	20.63	21.43		PASS
n41	ant2	30	30	518598	1@76	CP_QPSK	20.66	24.26		PASS
n41	sum	30	30	518598	1@76	CP_QPSK	23.66	26.08	33	PASS
n41	ant1	30	30	518598	39@19	CP_QAM16	19.89	20.69		PASS
n41	ant2	30	30	518598	39@19	CP_QAM16	19.88	23.48		PASS
n41	sum	30	30	518598	39@19	CP_QAM16	22.90	25.32	33	PASS
n41	ant1	30	30	518598	1@1	CP_QAM16	20.04	20.84		PASS
n41	ant2	30	30	518598	1@1	CP_QAM16	19.72	23.32		PASS
n41	sum	30	30	518598	1@1	CP_QAM16	22.89	25.26	33	PASS
n41	ant1	30	30	518598	1@76	CP_QAM16	20.11	20.91		PASS
n41	ant2	30	30	518598	1@76	CP_QAM16	19.79	23.39		PASS
n41	sum	30	30	518598	1@76	CP_QAM16	22.96	25.33	33	PASS
n41	ant1	30	30	518598	39@19	CP_QAM64	18.39	19.19		PASS
n41	ant2	30	30	518598	39@19	CP_QAM64	18.54	22.14		PASS

n41	sum	30	30	518598	39@19	CP_QAM64	21.48	23.92	33	PASS
n41	ant1	30	30	518598	1@1	CP_QAM64	18.46	19.26		PASS
n41	ant2	30	30	518598	1@1	CP_QAM64	18.76	22.36		PASS
n41	sum	30	30	518598	1@1	CP_QAM64	21.62	24.09	33	PASS
n41	ant1	30	30	518598	1@76	CP_QAM64	18.71	19.51		PASS
n41	ant2	30	30	518598	1@76	CP_QAM64	18.78	22.38		PASS
n41	sum	30	30	518598	1@76	CP_QAM64	21.76	24.19	33	PASS
n41	ant1	30	30	518598	39@19	CP_QAM256	15.41	16.21		PASS
n41	ant2	30	30	518598	39@19	CP_QAM256	15.40	19.00		PASS
n41	sum	30	30	518598	39@19	CP_QAM256	18.42	20.84	33	PASS
n41	ant1	30	30	518598	1@1	CP_QAM256	15.61	16.41		PASS
n41	ant2	30	30	518598	1@1	CP_QAM256	15.77	19.37		PASS
n41	sum	30	30	518598	1@1	CP_QAM256	18.70	21.15	33	PASS
n41	ant1	30	30	518598	1@76	CP_QAM256	15.78	16.58		PASS
n41	ant2	30	30	518598	1@76	CP_QAM256	15.90	19.50		PASS
n41	sum	30	30	518598	1@76	CP_QAM256	18.85	21.29	33	PASS
n41	ant1	30	30	534996	39@19	CP_QPSK	20.32	21.12		PASS
n41	ant2	30	30	534996	39@19	CP_QPSK	20.10	23.70		PASS
n41	sum	30	30	534996	39@19	CP_QPSK	23.22	25.61	33	PASS
n41	ant1	30	30	534996	1@1	CP_QPSK	20.25	21.05		PASS
n41	ant2	30	30	534996	1@1	CP_QPSK	20.40	24.00		PASS
n41	sum	30	30	534996	1@1	CP_QPSK	23.34	25.78	33	PASS
n41	ant1	30	30	534996	1@76	CP_QPSK	20.41	21.21		PASS
n41	ant2	30	30	534996	1@76	CP_QPSK	20.15	23.75		PASS
n41	sum	30	30	534996	1@76	CP_QPSK	23.29	25.67	33	PASS
n41	ant1	30	30	534996	39@19	CP_QAM16	19.80	20.60		PASS
n41	ant2	30	30	534996	39@19	CP_QAM16	19.57	23.17		PASS
n41	sum	30	30	534996	39@19	CP_QAM16	22.70	25.08	33	PASS
n41	ant1	30	30	534996	1@1	CP_QAM16	19.48	20.28		PASS
n41	ant2	30	30	534996	1@1	CP_QAM16	20.30	23.90		PASS
n41	sum	30	30	534996	1@1	CP_QAM16	22.92	25.47	33	PASS
n41	ant1	30	30	534996	1@76	CP_QAM16	19.72	20.52		PASS
n41	ant2	30	30	534996	1@76	CP_QAM16	19.86	23.46		PASS
n41	sum	30	30	534996	1@76	CP_QAM16	22.80	25.24	33	PASS
n41	ant1	30	30	534996	39@19	CP_QAM64	18.05	18.85		PASS
n41	ant2	30	30	534996	39@19	CP_QAM64	18.17	21.77		PASS
n41	sum	30	30	534996	39@19	CP_QAM64	21.12	23.56	33	PASS
n41	ant1	30	30	534996	1@1	CP_QAM64	18.50	19.30		PASS
n41	ant2	30	30	534996	1@1	CP_QAM64	19.07	22.67		PASS
n41	sum	30	30	534996	1@1	CP_QAM64	21.80	24.31	33	PASS
n41	ant1	30	30	534996	1@76	CP_QAM64	18.61	19.41		PASS
n41	ant2	30	30	534996	1@76	CP_QAM64	18.79	22.39		PASS

n41	sum	30	30	534996	1@76	CP_QAM64	21.71	24.16	33	PASS
n41	ant1	30	30	534996	39@19	CP_QAM256	15.37	16.17		PASS
n41	ant2	30	30	534996	39@19	CP_QAM256	15.14	18.74		PASS
n41	sum	30	30	534996	39@19	CP_QAM256	18.27	20.65	33	PASS
n41	ant1	30	30	534996	1@1	CP_QAM256	15.35	16.15		PASS
n41	ant2	30	30	534996	1@1	CP_QAM256	15.98	19.58		PASS
n41	sum	30	30	534996	1@1	CP_QAM256	18.69	21.21	33	PASS
n41	ant1	30	30	534996	1@76	CP_QAM256	15.67	16.47		PASS
n41	ant2	30	30	534996	1@76	CP_QAM256	15.37	18.97		PASS
n41	sum	30	30	534996	1@76	CP_QAM256	18.53	20.91	33	PASS
n41	ant1	30	40	503202	53@26	CP_QPSK	20.17	20.97		PASS
n41	ant2	30	40	503202	53@26	CP_QPSK	20.21	23.81		PASS
n41	sum	30	40	503202	53@26	CP_QPSK	23.20	25.63	33	PASS
n41	ant1	30	40	503202	1@1	CP_QPSK	20.35	21.15		PASS
n41	ant2	30	40	503202	1@1	CP_QPSK	20.27	23.87		PASS
n41	sum	30	40	503202	1@1	CP_QPSK	23.32	25.73	33	PASS
n41	ant1	30	40	503202	1@104	CP_QPSK	20.41	21.21		PASS
n41	ant2	30	40	503202	1@104	CP_QPSK	20.22	23.82		PASS
n41	sum	30	40	503202	1@104	CP_QPSK	23.33	25.72	33	PASS
n41	ant1	30	40	503202	53@26	CP_QAM16	19.61	20.41		PASS
n41	ant2	30	40	503202	53@26	CP_QAM16	19.59	23.19		PASS
n41	sum	30	40	503202	53@26	CP_QAM16	22.61	25.03	33	PASS
n41	ant1	30	40	503202	1@1	CP_QAM16	20.06	20.86		PASS
n41	ant2	30	40	503202	1@1	CP_QAM16	19.48	23.08		PASS
n41	sum	30	40	503202	1@1	CP_QAM16	22.79	25.12	33	PASS
n41	ant1	30	40	503202	1@104	CP_QAM16	20.06	20.86		PASS
n41	ant2	30	40	503202	1@104	CP_QAM16	19.55	23.15		PASS
n41	sum	30	40	503202	1@104	CP_QAM16	22.82	25.16	33	PASS
n41	ant1	30	40	503202	53@26	CP_QAM64	18.18	18.98		PASS
n41	ant2	30	40	503202	53@26	CP_QAM64	18.15	21.75		PASS
n41	sum	30	40	503202	53@26	CP_QAM64	21.18	23.59	33	PASS
n41	ant1	30	40	503202	1@1	CP_QAM64	18.31	19.11		PASS
n41	ant2	30	40	503202	1@1	CP_QAM64	18.42	22.02		PASS
n41	sum	30	40	503202	1@1	CP_QAM64	21.38	23.81	33	PASS
n41	ant1	30	40	503202	1@104	CP_QAM64	18.41	19.21		PASS
n41	ant2	30	40	503202	1@104	CP_QAM64	18.78	22.38		PASS
n41	sum	30	40	503202	1@104	CP_QAM64	21.61	24.09	33	PASS
n41	ant1	30	40	503202	53@26	CP_QAM256	15.15	15.95		PASS
n41	ant2	30	40	503202	53@26	CP_QAM256	15.14	18.74		PASS
n41	sum	30	40	503202	53@26	CP_QAM256	18.16	20.58	33	PASS
n41	ant1	30	40	503202	1@1	CP_QAM256	15.64	16.44		PASS
n41	ant2	30	40	503202	1@1	CP_QAM256	15.44	19.04		PASS

n41	sum	30	40	503202	1@1	CP_QAM256	18.55	20.94	33	PASS
n41	ant1	30	40	503202	1@104	CP_QAM256	15.69	16.49		PASS
n41	ant2	30	40	503202	1@104	CP_QAM256	15.59	19.19		PASS
n41	sum	30	40	503202	1@104	CP_QAM256	18.65	21.06	33	PASS
n41	ant1	30	40	518598	53@26	CP_QPSK	20.46	21.26		PASS
n41	ant2	30	40	518598	53@26	CP_QPSK	20.37	23.97		PASS
n41	sum	30	40	518598	53@26	CP_QPSK	23.43	25.83	33	PASS
n41	ant1	30	40	518598	1@1	CP_QPSK	20.42	21.22		PASS
n41	ant2	30	40	518598	1@1	CP_QPSK	20.27	23.87		PASS
n41	sum	30	40	518598	1@1	CP_QPSK	23.36	25.75	33	PASS
n41	ant1	30	40	518598	1@104	CP_QPSK	20.60	21.40		PASS
n41	ant2	30	40	518598	1@104	CP_QPSK	20.63	24.23		PASS
n41	sum	30	40	518598	1@104	CP_QPSK	23.63	26.05	33	PASS
n41	ant1	30	40	518598	53@26	CP_QAM16	19.94	20.74		PASS
n41	ant2	30	40	518598	53@26	CP_QAM16	19.84	23.44		PASS
n41	sum	30	40	518598	53@26	CP_QAM16	22.90	25.31	33	PASS
n41	ant1	30	40	518598	1@1	CP_QAM16	20.16	20.96		PASS
n41	ant2	30	40	518598	1@1	CP_QAM16	19.86	23.46		PASS
n41	sum	30	40	518598	1@1	CP_QAM16	23.02	25.40	33	PASS
n41	ant1	30	40	518598	1@104	CP_QAM16	20.22	21.02		PASS
n41	ant2	30	40	518598	1@104	CP_QAM16	20.26	23.86		PASS
n41	sum	30	40	518598	1@104	CP_QAM16	23.25	25.68	33	PASS
n41	ant1	30	40	518598	53@26	CP_QAM64	18.47	19.27		PASS
n41	ant2	30	40	518598	53@26	CP_QAM64	18.49	22.09		PASS
n41	sum	30	40	518598	53@26	CP_QAM64	21.49	23.92	33	PASS
n41	ant1	30	40	518598	1@1	CP_QAM64	18.77	19.57		PASS
n41	ant2	30	40	518598	1@1	CP_QAM64	18.67	22.27		PASS
n41	sum	30	40	518598	1@1	CP_QAM64	21.73	24.14	33	PASS
n41	ant1	30	40	518598	1@104	CP_QAM64	18.92	19.72		PASS
n41	ant2	30	40	518598	1@104	CP_QAM64	19.02	22.62		PASS
n41	sum	30	40	518598	1@104	CP_QAM64	21.98	24.42	33	PASS
n41	ant1	30	40	518598	53@26	CP_QAM256	15.47	16.27		PASS
n41	ant2	30	40	518598	53@26	CP_QAM256	15.36	18.96		PASS
n41	sum	30	40	518598	53@26	CP_QAM256	18.43	20.83	33	PASS
n41	ant1	30	40	518598	1@1	CP_QAM256	15.75	16.55		PASS
n41	ant2	30	40	518598	1@1	CP_QAM256	15.63	19.23		PASS
n41	sum	30	40	518598	1@1	CP_QAM256	18.70	21.10	33	PASS
n41	ant1	30	40	518598	1@104	CP_QAM256	15.95	16.75		PASS
n41	ant2	30	40	518598	1@104	CP_QAM256	16.01	19.61		PASS
n41	sum	30	40	518598	1@104	CP_QAM256	18.99	21.42	33	PASS
n41	ant1	30	40	534000	53@26	CP_QPSK	20.31	21.11		PASS
n41	ant2	30	40	534000	53@26	CP_QPSK	20.21	23.81		PASS

n41	sum	30	40	534000	53@26	CP_QPSK	23.27	25.68	33	PASS
n41	ant1	30	40	534000	1@1	CP_QPSK	20.62	21.42		PASS
n41	ant2	30	40	534000	1@1	CP_QPSK	20.78	24.38		PASS
n41	sum	30	40	534000	1@1	CP_QPSK	23.71	26.16	33	PASS
n41	ant1	30	40	534000	1@104	CP_QPSK	20.58	21.38		PASS
n41	ant2	30	40	534000	1@104	CP_QPSK	20.23	23.83		PASS
n41	sum	30	40	534000	1@104	CP_QPSK	23.42	25.79	33	PASS
n41	ant1	30	40	534000	53@26	CP_QAM16	19.78	20.58		PASS
n41	ant2	30	40	534000	53@26	CP_QAM16	19.69	23.29		PASS
n41	sum	30	40	534000	53@26	CP_QAM16	22.75	25.15	33	PASS
n41	ant1	30	40	534000	1@1	CP_QAM16	20.09	20.89		PASS
n41	ant2	30	40	534000	1@1	CP_QAM16	20.03	23.63		PASS
n41	sum	30	40	534000	1@1	CP_QAM16	23.07	25.48	33	PASS
n41	ant1	30	40	534000	1@104	CP_QAM16	20.20	21.00		PASS
n41	ant2	30	40	534000	1@104	CP_QAM16	19.74	23.34		PASS
n41	sum	30	40	534000	1@104	CP_QAM16	22.99	25.34	33	PASS
n41	ant1	30	40	534000	53@26	CP_QAM64	18.28	19.08		PASS
n41	ant2	30	40	534000	53@26	CP_QAM64	18.24	21.84		PASS
n41	sum	30	40	534000	53@26	CP_QAM64	21.27	23.69	33	PASS
n41	ant1	30	40	534000	1@1	CP_QAM64	18.60	19.40		PASS
n41	ant2	30	40	534000	1@1	CP_QAM64	18.85	22.45		PASS
n41	sum	30	40	534000	1@1	CP_QAM64	21.74	24.20	33	PASS
n41	ant1	30	40	534000	1@104	CP_QAM64	18.79	19.59		PASS
n41	ant2	30	40	534000	1@104	CP_QAM64	18.87	22.47		PASS
n41	sum	30	40	534000	1@104	CP_QAM64	21.84	24.27	33	PASS
n41	ant1	30	40	534000	53@26	CP_QAM256	15.33	16.13		PASS
n41	ant2	30	40	534000	53@26	CP_QAM256	15.19	18.79		PASS
n41	sum	30	40	534000	53@26	CP_QAM256	18.27	20.67	33	PASS
n41	ant1	30	40	534000	1@1	CP_QAM256	15.93	16.73		PASS
n41	ant2	30	40	534000	1@1	CP_QAM256	15.96	19.56		PASS
n41	sum	30	40	534000	1@1	CP_QAM256	18.96	21.38	33	PASS
n41	ant1	30	40	534000	1@104	CP_QAM256	15.87	16.67		PASS
n41	ant2	30	40	534000	1@104	CP_QAM256	15.47	19.07		PASS
n41	sum	30	40	534000	1@104	CP_QAM256	18.68	21.04	33	PASS
n41	ant1	30	50	504204	67@33	CP_QPSK	20.20	21.00		PASS
n41	ant2	30	50	504204	67@33	CP_QPSK	19.98	23.58		PASS
n41	sum	30	50	504204	67@33	CP_QPSK	23.10	25.49	33	PASS
n41	ant1	30	50	504204	1@1	CP_QPSK	20.04	20.84		PASS
n41	ant2	30	50	504204	1@1	CP_QPSK	20.12	23.72		PASS
n41	sum	30	50	504204	1@1	CP_QPSK	23.09	25.52	33	PASS
n41	ant1	30	50	504204	1@131	CP_QPSK	20.27	21.07		PASS
n41	ant2	30	50	504204	1@131	CP_QPSK	20.26	23.86		PASS



n41	sum	30	50	504204	1@131	CP_QPSK	23.28	25.70	33	PASS
n41	ant1	30	50	504204	67@33	CP_QAM16	19.72	20.52		PASS
n41	ant2	30	50	504204	67@33	CP_QAM16	19.50	23.10		PASS
n41	sum	30	50	504204	67@33	CP_QAM16	22.62	25.01	33	PASS
n41	ant1	30	50	504204	1@1	CP_QAM16	19.87	20.67		PASS
n41	ant2	30	50	504204	1@1	CP_QAM16	19.86	23.46		PASS
n41	sum	30	50	504204	1@1	CP_QAM16	22.88	25.30	33	PASS
n41	ant1	30	50	504204	1@131	CP_QAM16	19.77	20.57		PASS
n41	ant2	30	50	504204	1@131	CP_QAM16	20.09	23.69		PASS
n41	sum	30	50	504204	1@131	CP_QAM16	22.94	25.41	33	PASS
n41	ant1	30	50	504204	67@33	CP_QAM64	18.12	18.92		PASS
n41	ant2	30	50	504204	67@33	CP_QAM64	18.03	21.63		PASS
n41	sum	30	50	504204	67@33	CP_QAM64	21.09	23.49	33	PASS
n41	ant1	30	50	504204	1@1	CP_QAM64	18.62	19.42		PASS
n41	ant2	30	50	504204	1@1	CP_QAM64	18.75	22.35		PASS
n41	sum	30	50	504204	1@1	CP_QAM64	21.70	24.14	33	PASS
n41	ant1	30	50	504204	1@131	CP_QAM64	18.68	19.48		PASS
n41	ant2	30	50	504204	1@131	CP_QAM64	18.60	22.20		PASS
n41	sum	30	50	504204	1@131	CP_QAM64	21.65	24.06	33	PASS
n41	ant1	30	50	504204	67@33	CP_QAM256	15.23	16.03		PASS
n41	ant2	30	50	504204	67@33	CP_QAM256	14.96	18.56		PASS
n41	sum	30	50	504204	67@33	CP_QAM256	18.11	20.49	33	PASS
n41	ant1	30	50	504204	1@1	CP_QAM256	15.35	16.15		PASS
n41	ant2	30	50	504204	1@1	CP_QAM256	15.40	19.00		PASS
n41	sum	30	50	504204	1@1	CP_QAM256	18.39	20.82	33	PASS
n41	ant1	30	50	504204	1@131	CP_QAM256	15.39	16.19		PASS
n41	ant2	30	50	504204	1@131	CP_QAM256	15.64	19.24		PASS
n41	sum	30	50	504204	1@131	CP_QAM256	18.53	20.99	33	PASS
n41	ant1	30	50	518598	67@33	CP_QPSK	20.52	21.32		PASS
n41	ant2	30	50	518598	67@33	CP_QPSK	20.33	23.93		PASS
n41	sum	30	50	518598	67@33	CP_QPSK	23.44	25.83	33	PASS
n41	ant1	30	50	518598	1@1	CP_QPSK	20.44	21.24		PASS
n41	ant2	30	50	518598	1@1	CP_QPSK	20.20	23.80		PASS
n41	sum	30	50	518598	1@1	CP_QPSK	23.33	25.72	33	PASS
n41	ant1	30	50	518598	1@131	CP_QPSK	20.48	21.28		PASS
n41	ant2	30	50	518598	1@131	CP_QPSK	20.63	24.23		PASS
n41	sum	30	50	518598	1@131	CP_QPSK	23.57	26.01	33	PASS
n41	ant1	30	50	518598	67@33	CP_QAM16	19.93	20.73		PASS
n41	ant2	30	50	518598	67@33	CP_QAM16	19.84	23.44		PASS
n41	sum	30	50	518598	67@33	CP_QAM16	22.90	25.30	33	PASS
n41	ant1	30	50	518598	1@1	CP_QAM16	19.98	20.78		PASS
n41	ant2	30	50	518598	1@1	CP_QAM16	19.93	23.53		PASS

n41	sum	30	50	518598	1@1	CP_QAM16	22.97	25.38	33	PASS
n41	ant1	30	50	518598	1@131	CP_QAM16	20.09	20.89		PASS
n41	ant2	30	50	518598	1@131	CP_QAM16	20.27	23.87		PASS
n41	sum	30	50	518598	1@131	CP_QAM16	23.19	25.64	33	PASS
n41	ant1	30	50	518598	67@33	CP_QAM64	18.45	19.25		PASS
n41	ant2	30	50	518598	67@33	CP_QAM64	18.43	22.03		PASS
n41	sum	30	50	518598	67@33	CP_QAM64	21.45	23.87	33	PASS
n41	ant1	30	50	518598	1@1	CP_QAM64	18.72	19.52		PASS
n41	ant2	30	50	518598	1@1	CP_QAM64	18.43	22.03		PASS
n41	sum	30	50	518598	1@1	CP_QAM64	21.59	23.96	33	PASS
n41	ant1	30	50	518598	1@131	CP_QAM64	18.89	19.69		PASS
n41	ant2	30	50	518598	1@131	CP_QAM64	18.70	22.30		PASS
n41	sum	30	50	518598	1@131	CP_QAM64	21.81	24.20	33	PASS
n41	ant1	30	50	518598	67@33	CP_QAM256	15.55	16.35		PASS
n41	ant2	30	50	518598	67@33	CP_QAM256	15.30	18.90		PASS
n41	sum	30	50	518598	67@33	CP_QAM256	18.44	20.82	33	PASS
n41	ant1	30	50	518598	1@1	CP_QAM256	15.72	16.52		PASS
n41	ant2	30	50	518598	1@1	CP_QAM256	15.49	19.09		PASS
n41	sum	30	50	518598	1@1	CP_QAM256	18.62	21.00	33	PASS
n41	ant1	30	50	518598	1@131	CP_QAM256	15.68	16.48		PASS
n41	ant2	30	50	518598	1@131	CP_QAM256	16.00	19.60		PASS
n41	sum	30	50	518598	1@131	CP_QAM256	18.85	21.32	33	PASS
n41	ant1	30	50	532998	67@33	CP_QPSK	20.26	21.06		PASS
n41	ant2	30	50	532998	67@33	CP_QPSK	20.28	23.88		PASS
n41	sum	30	50	532998	67@33	CP_QPSK	23.28	25.71	33	PASS
n41	ant1	30	50	532998	1@1	CP_QPSK	20.26	21.06		PASS
n41	ant2	30	50	532998	1@1	CP_QPSK	20.37	23.97		PASS
n41	sum	30	50	532998	1@1	CP_QPSK	23.33	25.76	33	PASS
n41	ant1	30	50	532998	1@131	CP_QPSK	20.42	21.22		PASS
n41	ant2	30	50	532998	1@131	CP_QPSK	20.27	23.87		PASS
n41	sum	30	50	532998	1@131	CP_QPSK	23.36	25.75	33	PASS
n41	ant1	30	50	532998	67@33	CP_QAM16	19.73	20.53		PASS
n41	ant2	30	50	532998	67@33	CP_QAM16	19.77	23.37		PASS
n41	sum	30	50	532998	67@33	CP_QAM16	22.76	25.19	33	PASS
n41	ant1	30	50	532998	1@1	CP_QAM16	19.95	20.75		PASS
n41	ant2	30	50	532998	1@1	CP_QAM16	20.32	23.92		PASS
n41	sum	30	50	532998	1@1	CP_QAM16	23.15	25.63	33	PASS
n41	ant1	30	50	532998	1@131	CP_QAM16	20.15	20.95		PASS
n41	ant2	30	50	532998	1@131	CP_QAM16	19.94	23.54		PASS
n41	sum	30	50	532998	1@131	CP_QAM16	23.06	25.45	33	PASS
n41	ant1	30	50	532998	67@33	CP_QAM64	18.28	19.08		PASS
n41	ant2	30	50	532998	67@33	CP_QAM64	18.33	21.93		PASS

n41	sum	30	50	532998	67@33	CP_QAM64	21.32	23.75	33	PASS
n41	ant1	30	50	532998	1@1	CP_QAM64	18.62	19.42		PASS
n41	ant2	30	50	532998	1@1	CP_QAM64	18.72	22.32		PASS
n41	sum	30	50	532998	1@1	CP_QAM64	21.68	24.12	33	PASS
n41	ant1	30	50	532998	1@131	CP_QAM64	18.77	19.57		PASS
n41	ant2	30	50	532998	1@131	CP_QAM64	18.37	21.97		PASS
n41	sum	30	50	532998	1@131	CP_QAM64	21.58	23.94	33	PASS
n41	ant1	30	50	532998	67@33	CP_QAM256	15.25	16.05		PASS
n41	ant2	30	50	532998	67@33	CP_QAM256	15.25	18.85		PASS
n41	sum	30	50	532998	67@33	CP_QAM256	18.26	20.68	33	PASS
n41	ant1	30	50	532998	1@1	CP_QAM256	15.49	16.29		PASS
n41	ant2	30	50	532998	1@1	CP_QAM256	15.64	19.24		PASS
n41	sum	30	50	532998	1@1	CP_QAM256	18.58	21.02	33	PASS
n41	ant1	30	50	532998	1@131	CP_QAM256	15.60	16.40		PASS
n41	ant2	30	50	532998	1@131	CP_QAM256	15.62	19.22		PASS
n41	sum	30	50	532998	1@131	CP_QAM256	18.62	21.05	33	PASS
n41	ant1	30	60	505200	81@40	CP_QPSK	20.10	20.90		PASS
n41	ant2	30	60	505200	81@40	CP_QPSK	20.18	23.78		PASS
n41	sum	30	60	505200	81@40	CP_QPSK	23.15	25.58	33	PASS
n41	ant1	30	60	505200	1@1	CP_QPSK	20.08	20.88		PASS
n41	ant2	30	60	505200	1@1	CP_QPSK	19.99	23.59		PASS
n41	sum	30	60	505200	1@1	CP_QPSK	23.05	25.45	33	PASS
n41	ant1	30	60	505200	1@160	CP_QPSK	20.18	20.98		PASS
n41	ant2	30	60	505200	1@160	CP_QPSK	20.14	23.74		PASS
n41	sum	30	60	505200	1@160	CP_QPSK	23.17	25.59	33	PASS
n41	ant1	30	60	505200	81@40	CP_QAM16	19.58	20.38		PASS
n41	ant2	30	60	505200	81@40	CP_QAM16	19.62	23.22		PASS
n41	sum	30	60	505200	81@40	CP_QAM16	22.61	25.04	33	PASS
n41	ant1	30	60	505200	1@1	CP_QAM16	19.28	20.08		PASS
n41	ant2	30	60	505200	1@1	CP_QAM16	19.84	23.44		PASS
n41	sum	30	60	505200	1@1	CP_QAM16	22.58	25.09	33	PASS
n41	ant1	30	60	505200	1@160	CP_QAM16	19.39	20.19		PASS
n41	ant2	30	60	505200	1@160	CP_QAM16	19.98	23.58		PASS
n41	sum	30	60	505200	1@160	CP_QAM16	22.71	25.22	33	PASS
n41	ant1	30	60	505200	81@40	CP_QAM64	18.12	18.92		PASS
n41	ant2	30	60	505200	81@40	CP_QAM64	18.11	21.71		PASS
n41	sum	30	60	505200	81@40	CP_QAM64	21.13	23.55	33	PASS
n41	ant1	30	60	505200	1@1	CP_QAM64	18.62	19.42		PASS
n41	ant2	30	60	505200	1@1	CP_QAM64	18.52	22.12		PASS
n41	sum	30	60	505200	1@1	CP_QAM64	21.58	23.99	33	PASS
n41	ant1	30	60	505200	1@160	CP_QAM64	18.57	19.37		PASS
n41	ant2	30	60	505200	1@160	CP_QAM64	18.47	22.07		PASS

n41	sum	30	60	505200	1@160	CP_QAM64	21.53	23.94	33	PASS
n41	ant1	30	60	505200	81@40	CP_QAM256	15.14	15.94		PASS
n41	ant2	30	60	505200	81@40	CP_QAM256	15.12	18.72		PASS
n41	sum	30	60	505200	81@40	CP_QAM256	18.14	20.56	33	PASS
n41	ant1	30	60	505200	1@1	CP_QAM256	15.23	16.03		PASS
n41	ant2	30	60	505200	1@1	CP_QAM256	15.29	18.89		PASS
n41	sum	30	60	505200	1@1	CP_QAM256	18.27	20.70	33	PASS
n41	ant1	30	60	505200	1@160	CP_QAM256	15.25	16.05		PASS
n41	ant2	30	60	505200	1@160	CP_QAM256	15.43	19.03		PASS
n41	sum	30	60	505200	1@160	CP_QAM256	18.35	20.80	33	PASS
n41	ant1	30	60	518598	81@40	CP_QPSK	20.56	21.36		PASS
n41	ant2	30	60	518598	81@40	CP_QPSK	20.35	23.95		PASS
n41	sum	30	60	518598	81@40	CP_QPSK	23.47	25.86	33	PASS
n41	ant1	30	60	518598	1@1	CP_QPSK	20.22	21.02		PASS
n41	ant2	30	60	518598	1@1	CP_QPSK	20.01	23.61		PASS
n41	sum	30	60	518598	1@1	CP_QPSK	23.13	25.52	33	PASS
n41	ant1	30	60	518598	1@160	CP_QPSK	20.34	21.14		PASS
n41	ant2	30	60	518598	1@160	CP_QPSK	20.59	24.19		PASS
n41	sum	30	60	518598	1@160	CP_QPSK	23.48	25.94	33	PASS
n41	ant1	30	60	518598	81@40	CP_QAM16	19.95	20.75		PASS
n41	ant2	30	60	518598	81@40	CP_QAM16	19.88	23.48		PASS
n41	sum	30	60	518598	81@40	CP_QAM16	22.93	25.34	33	PASS
n41	ant1	30	60	518598	1@1	CP_QAM16	19.66	20.46		PASS
n41	ant2	30	60	518598	1@1	CP_QAM16	19.82	23.42		PASS
n41	sum	30	60	518598	1@1	CP_QAM16	22.75	25.20	33	PASS
n41	ant1	30	60	518598	1@160	CP_QAM16	19.86	20.66		PASS
n41	ant2	30	60	518598	1@160	CP_QAM16	20.50	24.10		PASS
n41	sum	30	60	518598	1@160	CP_QAM16	23.20	25.72	33	PASS
n41	ant1	30	60	518598	81@40	CP_QAM64	18.47	19.27		PASS
n41	ant2	30	60	518598	81@40	CP_QAM64	18.31	21.91		PASS
n41	sum	30	60	518598	81@40	CP_QAM64	21.40	23.80	33	PASS
n41	ant1	30	60	518598	1@1	CP_QAM64	18.41	19.21		PASS
n41	ant2	30	60	518598	1@1	CP_QAM64	18.59	22.19		PASS
n41	sum	30	60	518598	1@1	CP_QAM64	21.51	23.96	33	PASS
n41	ant1	30	60	518598	1@160	CP_QAM64	18.58	19.38		PASS
n41	ant2	30	60	518598	1@160	CP_QAM64	19.13	22.73		PASS
n41	sum	30	60	518598	1@160	CP_QAM64	21.87	24.38	33	PASS
n41	ant1	30	60	518598	81@40	CP_QAM256	15.61	16.41		PASS
n41	ant2	30	60	518598	81@40	CP_QAM256	15.35	18.95		PASS
n41	sum	30	60	518598	81@40	CP_QAM256	18.49	20.87	33	PASS
n41	ant1	30	60	518598	1@1	CP_QAM256	15.31	16.11		PASS
n41	ant2	30	60	518598	1@1	CP_QAM256	15.27	18.87		PASS

n41	sum	30	60	518598	1@1	CP_QAM256	18.30	20.72	33	PASS
n41	ant1	30	60	518598	1@160	CP_QAM256	15.67	16.47		PASS
n41	ant2	30	60	518598	1@160	CP_QAM256	15.98	19.58		PASS
n41	sum	30	60	518598	1@160	CP_QAM256	18.84	21.31	33	PASS
n41	ant1	30	60	531996	81@40	CP_QPSK	20.28	21.08		PASS
n41	ant2	30	60	531996	81@40	CP_QPSK	20.31	23.91		PASS
n41	sum	30	60	531996	81@40	CP_QPSK	23.31	25.73	33	PASS
n41	ant1	30	60	531996	1@1	CP_QPSK	20.30	21.10		PASS
n41	ant2	30	60	531996	1@1	CP_QPSK	20.42	24.02		PASS
n41	sum	30	60	531996	1@1	CP_QPSK	23.37	25.81	33	PASS
n41	ant1	30	60	531996	1@160	CP_QPSK	20.28	21.08		PASS
n41	ant2	30	60	531996	1@160	CP_QPSK	20.00	23.60		PASS
n41	sum	30	60	531996	1@160	CP_QPSK	23.15	25.53	33	PASS
n41	ant1	30	60	531996	81@40	CP_QAM16	19.76	20.56		PASS
n41	ant2	30	60	531996	81@40	CP_QAM16	19.83	23.43		PASS
n41	sum	30	60	531996	81@40	CP_QAM16	22.81	25.24	33	PASS
n41	ant1	30	60	531996	1@1	CP_QAM16	19.50	20.30		PASS
n41	ant2	30	60	531996	1@1	CP_QAM16	20.10	23.70		PASS
n41	sum	30	60	531996	1@1	CP_QAM16	22.82	25.33	33	PASS
n41	ant1	30	60	531996	1@160	CP_QAM16	19.62	20.42		PASS
n41	ant2	30	60	531996	1@160	CP_QAM16	19.75	23.35		PASS
n41	sum	30	60	531996	1@160	CP_QAM16	22.70	25.14	33	PASS
n41	ant1	30	60	531996	81@40	CP_QAM64	18.25	19.05		PASS
n41	ant2	30	60	531996	81@40	CP_QAM64	18.30	21.90		PASS
n41	sum	30	60	531996	81@40	CP_QAM64	21.29	23.72	33	PASS
n41	ant1	30	60	531996	1@1	CP_QAM64	18.75	19.55		PASS
n41	ant2	30	60	531996	1@1	CP_QAM64	18.85	22.45		PASS
n41	sum	30	60	531996	1@1	CP_QAM64	21.81	24.25	33	PASS
n41	ant1	30	60	531996	1@160	CP_QAM64	18.78	19.58		PASS
n41	ant2	30	60	531996	1@160	CP_QAM64	18.27	21.87		PASS
n41	sum	30	60	531996	1@160	CP_QAM64	21.54	23.88	33	PASS
n41	ant1	30	60	531996	81@40	CP_QAM256	15.20	16.00		PASS
n41	ant2	30	60	531996	81@40	CP_QAM256	15.31	18.91		PASS
n41	sum	30	60	531996	81@40	CP_QAM256	18.27	20.70	33	PASS
n41	ant1	30	60	531996	1@1	CP_QAM256	15.43	16.23		PASS
n41	ant2	30	60	531996	1@1	CP_QAM256	15.76	19.36		PASS
n41	sum	30	60	531996	1@1	CP_QAM256	18.61	21.08	33	PASS
n41	ant1	30	60	531996	1@160	CP_QAM256	15.67	16.47		PASS
n41	ant2	30	60	531996	1@160	CP_QAM256	15.30	18.90		PASS
n41	sum	30	60	531996	1@160	CP_QAM256	18.50	20.86	33	PASS
n41	ant1	30	80	507204	109@54	CP_QPSK	19.99	20.79		PASS
n41	ant2	30	80	507204	109@54	CP_QPSK	19.93	23.53		PASS

n41	sum	30	80	507204	109@54	CP_QPSK	22.97	25.38	33	PASS
n41	ant1	30	80	507204	1@1	CP_QPSK	20.20	21.00		PASS
n41	ant2	30	80	507204	1@1	CP_QPSK	19.98	23.58		PASS
n41	sum	30	80	507204	1@1	CP_QPSK	23.10	25.49	33	PASS
n41	ant1	30	80	507204	1@215	CP_QPSK	20.34	21.14		PASS
n41	ant2	30	80	507204	1@215	CP_QPSK	20.08	23.68		PASS
n41	sum	30	80	507204	1@215	CP_QPSK	23.22	25.60	33	PASS
n41	ant1	30	80	507204	109@54	CP_QAM16	19.45	20.25		PASS
n41	ant2	30	80	507204	109@54	CP_QAM16	19.45	23.05		PASS
n41	sum	30	80	507204	109@54	CP_QAM16	22.46	24.88	33	PASS
n41	ant1	30	80	507204	1@1	CP_QAM16	19.58	20.38		PASS
n41	ant2	30	80	507204	1@1	CP_QAM16	19.33	22.93		PASS
n41	sum	30	80	507204	1@1	CP_QAM16	22.47	24.85	33	PASS
n41	ant1	30	80	507204	1@215	CP_QAM16	19.85	20.65		PASS
n41	ant2	30	80	507204	1@215	CP_QAM16	19.33	22.93		PASS
n41	sum	30	80	507204	1@215	CP_QAM16	22.61	24.95	33	PASS
n41	ant1	30	80	507204	109@54	CP_QAM64	18.06	18.86		PASS
n41	ant2	30	80	507204	109@54	CP_QAM64	17.99	21.59		PASS
n41	sum	30	80	507204	109@54	CP_QAM64	21.04	23.45	33	PASS
n41	ant1	30	80	507204	1@1	CP_QAM64	18.00	18.80		PASS
n41	ant2	30	80	507204	1@1	CP_QAM64	18.46	22.06		PASS
n41	sum	30	80	507204	1@1	CP_QAM64	21.25	23.74	33	PASS
n41	ant1	30	80	507204	1@215	CP_QAM64	18.43	19.23		PASS
n41	ant2	30	80	507204	1@215	CP_QAM64	18.41	22.01		PASS
n41	sum	30	80	507204	1@215	CP_QAM64	21.43	23.85	33	PASS
n41	ant1	30	80	507204	109@54	CP_QAM256	15.00	15.80		PASS
n41	ant2	30	80	507204	109@54	CP_QAM256	14.90	18.50		PASS
n41	sum	30	80	507204	109@54	CP_QAM256	17.96	20.37	33	PASS
n41	ant1	30	80	507204	1@1	CP_QAM256	15.44	16.24		PASS
n41	ant2	30	80	507204	1@1	CP_QAM256	15.23	18.83		PASS
n41	sum	30	80	507204	1@1	CP_QAM256	18.35	20.74	33	PASS
n41	ant1	30	80	507204	1@215	CP_QAM256	15.46	16.26		PASS
n41	ant2	30	80	507204	1@215	CP_QAM256	15.55	19.15		PASS
n41	sum	30	80	507204	1@215	CP_QAM256	18.52	20.95	33	PASS
n41	ant1	30	80	518598	109@54	CP_QPSK	20.27	21.07		PASS
n41	ant2	30	80	518598	109@54	CP_QPSK	20.06	23.66		PASS
n41	sum	30	80	518598	109@54	CP_QPSK	23.18	25.57	33	PASS
n41	ant1	30	80	518598	1@1	CP_QPSK	19.99	20.79		PASS
n41	ant2	30	80	518598	1@1	CP_QPSK	20.03	23.63		PASS
n41	sum	30	80	518598	1@1	CP_QPSK	23.02	25.45	33	PASS
n41	ant1	30	80	518598	1@215	CP_QPSK	20.20	21.00		PASS
n41	ant2	30	80	518598	1@215	CP_QPSK	20.43	24.03		PASS

n41	sum	30	80	518598	1@215	CP_QPSK	23.33	25.78	33	PASS
n41	ant1	30	80	518598	109@54	CP_QAM16	19.84	20.64		PASS
n41	ant2	30	80	518598	109@54	CP_QAM16	19.67	23.27		PASS
n41	sum	30	80	518598	109@54	CP_QAM16	22.77	25.16	33	PASS
n41	ant1	30	80	518598	1@1	CP_QAM16	19.74	20.54		PASS
n41	ant2	30	80	518598	1@1	CP_QAM16	19.64	23.24		PASS
n41	sum	30	80	518598	1@1	CP_QAM16	22.70	25.11	33	PASS
n41	ant1	30	80	518598	1@215	CP_QAM16	19.82	20.62		PASS
n41	ant2	30	80	518598	1@215	CP_QAM16	20.23	23.83		PASS
n41	sum	30	80	518598	1@215	CP_QAM16	23.04	25.53	33	PASS
n41	ant1	30	80	518598	109@54	CP_QAM64	18.27	19.07		PASS
n41	ant2	30	80	518598	109@54	CP_QAM64	18.19	21.79		PASS
n41	sum	30	80	518598	109@54	CP_QAM64	21.24	23.65	33	PASS
n41	ant1	30	80	518598	1@1	CP_QAM64	18.49	19.29		PASS
n41	ant2	30	80	518598	1@1	CP_QAM64	18.57	22.17		PASS
n41	sum	30	80	518598	1@1	CP_QAM64	21.54	23.97	33	PASS
n41	ant1	30	80	518598	1@215	CP_QAM64	18.62	19.42		PASS
n41	ant2	30	80	518598	1@215	CP_QAM64	18.81	22.41		PASS
n41	sum	30	80	518598	1@215	CP_QAM64	21.73	24.18	33	PASS
n41	ant1	30	80	518598	109@54	CP_QAM256	15.29	16.09		PASS
n41	ant2	30	80	518598	109@54	CP_QAM256	15.08	18.68		PASS
n41	sum	30	80	518598	109@54	CP_QAM256	18.20	20.59	33	PASS
n41	ant1	30	80	518598	1@1	CP_QAM256	15.29	16.09		PASS
n41	ant2	30	80	518598	1@1	CP_QAM256	15.31	18.91		PASS
n41	sum	30	80	518598	1@1	CP_QAM256	18.31	20.74	33	PASS
n41	ant1	30	80	518598	1@215	CP_QAM256	15.54	16.34		PASS
n41	ant2	30	80	518598	1@215	CP_QAM256	15.73	19.33		PASS
n41	sum	30	80	518598	1@215	CP_QAM256	18.65	21.10	33	PASS
n41	ant1	30	80	529998	109@54	CP_QPSK	20.30	21.10		PASS
n41	ant2	30	80	529998	109@54	CP_QPSK	20.17	23.77		PASS
n41	sum	30	80	529998	109@54	CP_QPSK	23.25	25.65	33	PASS
n41	ant1	30	80	529998	1@1	CP_QPSK	20.42	21.22		PASS
n41	ant2	30	80	529998	1@1	CP_QPSK	20.14	23.74		PASS
n41	sum	30	80	529998	1@1	CP_QPSK	23.29	25.67	33	PASS
n41	ant1	30	80	529998	1@215	CP_QPSK	20.38	21.18		PASS
n41	ant2	30	80	529998	1@215	CP_QPSK	19.78	23.38		PASS
n41	sum	30	80	529998	1@215	CP_QPSK	23.10	25.43	33	PASS
n41	ant1	30	80	529998	109@54	CP_QAM16	19.76	20.56		PASS
n41	ant2	30	80	529998	109@54	CP_QAM16	19.68	23.28		PASS
n41	sum	30	80	529998	109@54	CP_QAM16	22.73	25.14	33	PASS
n41	ant1	30	80	529998	1@1	CP_QAM16	20.11	20.91		PASS
n41	ant2	30	80	529998	1@1	CP_QAM16	19.98	23.58		PASS

n41	sum	30	80	529998	1@1	CP_QAM16	23.06	25.46	33	PASS
n41	ant1	30	80	529998	1@215	CP_QAM16	19.91	20.71		PASS
n41	ant2	30	80	529998	1@215	CP_QAM16	19.61	23.21		PASS
n41	sum	30	80	529998	1@215	CP_QAM16	22.77	25.15	33	PASS
n41	ant1	30	80	529998	109@54	CP_QAM64	18.37	19.17		PASS
n41	ant2	30	80	529998	109@54	CP_QAM64	18.23	21.83		PASS
n41	sum	30	80	529998	109@54	CP_QAM64	21.31	23.71	33	PASS
n41	ant1	30	80	529998	1@1	CP_QAM64	18.73	19.53		PASS
n41	ant2	30	80	529998	1@1	CP_QAM64	18.51	22.11		PASS
n41	sum	30	80	529998	1@1	CP_QAM64	21.63	24.02	33	PASS
n41	ant1	30	80	529998	1@215	CP_QAM64	18.74	19.54		PASS
n41	ant2	30	80	529998	1@215	CP_QAM64	17.98	21.58		PASS
n41	sum	30	80	529998	1@215	CP_QAM64	21.39	23.69	33	PASS
n41	ant1	30	80	529998	109@54	CP_QAM256	15.36	16.16		PASS
n41	ant2	30	80	529998	109@54	CP_QAM256	15.23	18.83		PASS
n41	sum	30	80	529998	109@54	CP_QAM256	18.31	20.71	33	PASS
n41	ant1	30	80	529998	1@1	CP_QAM256	15.63	16.43		PASS
n41	ant2	30	80	529998	1@1	CP_QAM256	15.52	19.12		PASS
n41	sum	30	80	529998	1@1	CP_QAM256	18.59	20.99	33	PASS
n41	ant1	30	80	529998	1@215	CP_QAM256	15.52	16.32		PASS
n41	ant2	30	80	529998	1@215	CP_QAM256	15.23	18.83		PASS
n41	sum	30	80	529998	1@215	CP_QAM256	18.39	20.76	33	PASS
n41	ant1	30	90	508200	123@61	CP_QPSK	20.04	20.84		PASS
n41	ant2	30	90	508200	123@61	CP_QPSK	19.94	23.54		PASS
n41	sum	30	90	508200	123@61	CP_QPSK	23.00	25.41	33	PASS
n41	ant1	30	90	508200	1@1	CP_QPSK	19.97	20.77		PASS
n41	ant2	30	90	508200	1@1	CP_QPSK	19.95	23.55		PASS
n41	sum	30	90	508200	1@1	CP_QPSK	22.97	25.39	33	PASS
n41	ant1	30	90	508200	1@243	CP_QPSK	20.34	21.14		PASS
n41	ant2	30	90	508200	1@243	CP_QPSK	20.38	23.98		PASS
n41	sum	30	90	508200	1@243	CP_QPSK	23.37	25.80	33	PASS
n41	ant1	30	90	508200	123@61	CP_QAM16	19.63	20.43		PASS
n41	ant2	30	90	508200	123@61	CP_QAM16	19.49	23.09		PASS
n41	sum	30	90	508200	123@61	CP_QAM16	22.57	24.97	33	PASS
n41	ant1	30	90	508200	1@1	CP_QAM16	19.59	20.39		PASS
n41	ant2	30	90	508200	1@1	CP_QAM16	19.58	23.18		PASS
n41	sum	30	90	508200	1@1	CP_QAM16	22.60	25.02	33	PASS
n41	ant1	30	90	508200	1@243	CP_QAM16	19.92	20.72		PASS
n41	ant2	30	90	508200	1@243	CP_QAM16	20.02	23.62		PASS
n41	sum	30	90	508200	1@243	CP_QAM16	22.98	25.42	33	PASS
n41	ant1	30	90	508200	123@61	CP_QAM64	18.08	18.88		PASS
n41	ant2	30	90	508200	123@61	CP_QAM64	18.01	21.61		PASS



n41	sum	30	90	508200	123@61	CP_QAM64	21.06	23.47	33	PASS
n41	ant1	30	90	508200	1@1	CP_QAM64	18.30	19.10		PASS
n41	ant2	30	90	508200	1@1	CP_QAM64	18.37	21.97		PASS
n41	sum	30	90	508200	1@1	CP_QAM64	21.35	23.78	33	PASS
n41	ant1	30	90	508200	1@243	CP_QAM64	18.63	19.43		PASS
n41	ant2	30	90	508200	1@243	CP_QAM64	18.59	22.19		PASS
n41	sum	30	90	508200	1@243	CP_QAM64	21.62	24.04	33	PASS
n41	ant1	30	90	508200	123@61	CP_QAM256	15.06	15.86		PASS
n41	ant2	30	90	508200	123@61	CP_QAM256	14.90	18.50		PASS
n41	sum	30	90	508200	123@61	CP_QAM256	17.99	20.39	33	PASS
n41	ant1	30	90	508200	1@1	CP_QAM256	15.15	15.95		PASS
n41	ant2	30	90	508200	1@1	CP_QAM256	15.23	18.83		PASS
n41	sum	30	90	508200	1@1	CP_QAM256	18.20	20.63	33	PASS
n41	ant1	30	90	508200	1@243	CP_QAM256	15.62	16.42		PASS
n41	ant2	30	90	508200	1@243	CP_QAM256	15.84	19.44		PASS
n41	sum	30	90	508200	1@243	CP_QAM256	18.74	21.20	33	PASS
n41	ant1	30	90	518598	123@61	CP_QPSK	20.32	21.12		PASS
n41	ant2	30	90	518598	123@61	CP_QPSK	20.11	23.71		PASS
n41	sum	30	90	518598	123@61	CP_QPSK	23.23	25.62	33	PASS
n41	ant1	30	90	518598	1@1	CP_QPSK	20.01	20.81		PASS
n41	ant2	30	90	518598	1@1	CP_QPSK	20.05	23.65		PASS
n41	sum	30	90	518598	1@1	CP_QPSK	23.04	25.47	33	PASS
n41	ant1	30	90	518598	1@243	CP_QPSK	20.22	21.02		PASS
n41	ant2	30	90	518598	1@243	CP_QPSK	20.24	23.84		PASS
n41	sum	30	90	518598	1@243	CP_QPSK	23.24	25.67	33	PASS
n41	ant1	30	90	518598	123@61	CP_QAM16	19.88	20.68		PASS
n41	ant2	30	90	518598	123@61	CP_QAM16	19.60	23.20		PASS
n41	sum	30	90	518598	123@61	CP_QAM16	22.75	25.13	33	PASS
n41	ant1	30	90	518598	1@1	CP_QAM16	19.34	20.14		PASS
n41	ant2	30	90	518598	1@1	CP_QAM16	19.72	23.32		PASS
n41	sum	30	90	518598	1@1	CP_QAM16	22.54	25.03	33	PASS
n41	ant1	30	90	518598	1@243	CP_QAM16	19.39	20.19		PASS
n41	ant2	30	90	518598	1@243	CP_QAM16	20.10	23.70		PASS
n41	sum	30	90	518598	1@243	CP_QAM16	22.77	25.30	33	PASS
n41	ant1	30	90	518598	123@61	CP_QAM64	18.35	19.15		PASS
n41	ant2	30	90	518598	123@61	CP_QAM64	18.14	21.74		PASS
n41	sum	30	90	518598	123@61	CP_QAM64	21.26	23.65	33	PASS
n41	ant1	30	90	518598	1@1	CP_QAM64	18.25	19.05		PASS
n41	ant2	30	90	518598	1@1	CP_QAM64	18.48	22.08		PASS
n41	sum	30	90	518598	1@1	CP_QAM64	21.38	23.83	33	PASS
n41	ant1	30	90	518598	1@243	CP_QAM64	18.47	19.27		PASS
n41	ant2	30	90	518598	1@243	CP_QAM64	18.97	22.57		PASS

n41	sum	30	90	518598	1@243	CP_QAM64	21.74	24.24	33	PASS
n41	ant1	30	90	518598	123@61	CP_QAM256	15.49	16.29		PASS
n41	ant2	30	90	518598	123@61	CP_QAM256	15.13	18.73		PASS
n41	sum	30	90	518598	123@61	CP_QAM256	18.32	20.69	33	PASS
n41	ant1	30	90	518598	1@1	CP_QAM256	15.14	15.94		PASS
n41	ant2	30	90	518598	1@1	CP_QAM256	15.22	18.82		PASS
n41	sum	30	90	518598	1@1	CP_QAM256	18.19	20.62	33	PASS
n41	ant1	30	90	518598	1@243	CP_QAM256	15.48	16.28		PASS
n41	ant2	30	90	518598	1@243	CP_QAM256	15.59	19.19		PASS
n41	sum	30	90	518598	1@243	CP_QAM256	18.55	20.98	33	PASS
n41	ant1	30	90	528996	123@61	CP_QPSK	20.28	21.08		PASS
n41	ant2	30	90	528996	123@61	CP_QPSK	20.39	23.99		PASS
n41	sum	30	90	528996	123@61	CP_QPSK	23.35	25.78	33	PASS
n41	ant1	30	90	528996	1@1	CP_QPSK	20.32	21.12		PASS
n41	ant2	30	90	528996	1@1	CP_QPSK	20.01	23.61		PASS
n41	sum	30	90	528996	1@1	CP_QPSK	23.18	25.55	33	PASS
n41	ant1	30	90	528996	1@243	CP_QPSK	20.37	21.17		PASS
n41	ant2	30	90	528996	1@243	CP_QPSK	20.10	23.70		PASS
n41	sum	30	90	528996	1@243	CP_QPSK	23.25	25.63	33	PASS
n41	ant1	30	90	528996	123@61	CP_QAM16	19.74	20.54		PASS
n41	ant2	30	90	528996	123@61	CP_QAM16	19.88	23.48		PASS
n41	sum	30	90	528996	123@61	CP_QAM16	22.82	25.26	33	PASS
n41	ant1	30	90	528996	1@1	CP_QAM16	20.01	20.81		PASS
n41	ant2	30	90	528996	1@1	CP_QAM16	19.73	23.33		PASS
n41	sum	30	90	528996	1@1	CP_QAM16	22.88	25.26	33	PASS
n41	ant1	30	90	528996	1@243	CP_QAM16	20.02	20.82		PASS
n41	ant2	30	90	528996	1@243	CP_QAM16	19.56	23.16		PASS
n41	sum	30	90	528996	1@243	CP_QAM16	22.81	25.16	33	PASS
n41	ant1	30	90	528996	123@61	CP_QAM64	18.25	19.05		PASS
n41	ant2	30	90	528996	123@61	CP_QAM64	18.32	21.92		PASS
n41	sum	30	90	528996	123@61	CP_QAM64	21.30	23.73	33	PASS
n41	ant1	30	90	528996	1@1	CP_QAM64	18.74	19.54		PASS
n41	ant2	30	90	528996	1@1	CP_QAM64	18.31	21.91		PASS
n41	sum	30	90	528996	1@1	CP_QAM64	21.54	23.90	33	PASS
n41	ant1	30	90	528996	1@243	CP_QAM64	18.81	19.61		PASS
n41	ant2	30	90	528996	1@243	CP_QAM64	18.19	21.79		PASS
n41	sum	30	90	528996	1@243	CP_QAM64	21.52	23.85	33	PASS
n41	ant1	30	90	528996	123@61	CP_QAM256	15.16	15.96		PASS
n41	ant2	30	90	528996	123@61	CP_QAM256	15.34	18.94		PASS
n41	sum	30	90	528996	123@61	CP_QAM256	18.26	20.71	33	PASS
n41	ant1	30	90	528996	1@1	CP_QAM256	15.60	16.40		PASS
n41	ant2	30	90	528996	1@1	CP_QAM256	15.44	19.04		PASS

n41	sum	30	90	528996	1@1	CP_QAM256	18.53	20.93	33	PASS
n41	ant1	30	90	528996	1@243	CP_QAM256	15.56	16.36		PASS
n41	ant2	30	90	528996	1@243	CP_QAM256	15.34	18.94		PASS
n41	sum	30	90	528996	1@243	CP_QAM256	18.46	20.85	33	PASS
n41	ant1	30	100	509202	137@68	CP_QPSK	20.14	20.94		PASS
n41	ant2	30	100	509202	137@68	CP_QPSK	19.98	23.58		PASS
n41	sum	30	100	509202	137@68	CP_QPSK	23.07	25.47	33	PASS
n41	ant1	30	100	509202	1@1	CP_QPSK	19.94	20.74		PASS
n41	ant2	30	100	509202	1@1	CP_QPSK	19.95	23.55		PASS
n41	sum	30	100	509202	1@1	CP_QPSK	22.96	25.38	33	PASS
n41	ant1	30	100	509202	1@271	CP_QPSK	20.24	21.04		PASS
n41	ant2	30	100	509202	1@271	CP_QPSK	20.11	23.71		PASS
n41	sum	30	100	509202	1@271	CP_QPSK	23.19	25.59	33	PASS
n41	ant1	30	100	509202	137@68	CP_QAM16	19.68	20.48		PASS
n41	ant2	30	100	509202	137@68	CP_QAM16	19.42	23.02		PASS
n41	sum	30	100	509202	137@68	CP_QAM16	22.56	24.94	33	PASS
n41	ant1	30	100	509202	1@1	CP_QAM16	19.19	19.99		PASS
n41	ant2	30	100	509202	1@1	CP_QAM16	19.63	23.23		PASS
n41	sum	30	100	509202	1@1	CP_QAM16	22.43	24.92	33	PASS
n41	ant1	30	100	509202	1@271	CP_QAM16	19.55	20.35		PASS
n41	ant2	30	100	509202	1@271	CP_QAM16	19.90	23.50		PASS
n41	sum	30	100	509202	1@271	CP_QAM16	22.74	25.21	33	PASS
n41	ant1	30	100	509202	137@68	CP_QAM64	18.11	18.91		PASS
n41	ant2	30	100	509202	137@68	CP_QAM64	18.00	21.60		PASS
n41	sum	30	100	509202	137@68	CP_QAM64	21.07	23.47	33	PASS
n41	ant1	30	100	509202	1@1	CP_QAM64	18.19	18.99		PASS
n41	ant2	30	100	509202	1@1	CP_QAM64	18.23	21.83		PASS
n41	sum	30	100	509202	1@1	CP_QAM64	21.22	23.65	33	PASS
n41	ant1	30	100	509202	1@271	CP_QAM64	18.51	19.31		PASS
n41	ant2	30	100	509202	1@271	CP_QAM64	18.44	22.04		PASS
n41	sum	30	100	509202	1@271	CP_QAM64	21.49	23.90	33	PASS
n41	ant1	30	100	509202	137@68	CP_QAM256	15.14	15.94		PASS
n41	ant2	30	100	509202	137@68	CP_QAM256	14.95	18.55		PASS
n41	sum	30	100	509202	137@68	CP_QAM256	18.06	20.45	33	PASS
n41	ant1	30	100	509202	1@1	CP_QAM256	15.32	16.12		PASS
n41	ant2	30	100	509202	1@1	CP_QAM256	15.12	18.72		PASS
n41	sum	30	100	509202	1@1	CP_QAM256	18.23	20.62	33	PASS
n41	ant1	30	100	509202	1@271	CP_QAM256	15.45	16.25		PASS
n41	ant2	30	100	509202	1@271	CP_QAM256	15.22	18.82		PASS
n41	sum	30	100	509202	1@271	CP_QAM256	18.35	20.73	33	PASS
n41	ant1	30	100	518598	137@68	CP_QPSK	20.35	21.15		PASS
n41	ant2	30	100	518598	137@68	CP_QPSK	20.13	23.73		PASS

n41	sum	30	100	518598	137@68	CP_QPSK	23.25	25.64	33	PASS
n41	ant1	30	100	518598	1@1	CP_QPSK	20.05	20.85		PASS
n41	ant2	30	100	518598	1@1	CP_QPSK	20.11	23.71		PASS
n41	sum	30	100	518598	1@1	CP_QPSK	23.09	25.52	33	PASS
n41	ant1	30	100	518598	1@271	CP_QPSK	20.19	20.99		PASS
n41	ant2	30	100	518598	1@271	CP_QPSK	20.07	23.67		PASS
n41	sum	30	100	518598	1@271	CP_QPSK	23.14	25.54	33	PASS
n41	ant1	30	100	518598	137@68	CP_QAM16	19.85	20.65		PASS
n41	ant2	30	100	518598	137@68	CP_QAM16	19.66	23.26		PASS
n41	sum	30	100	518598	137@68	CP_QAM16	22.77	25.16	33	PASS
n41	ant1	30	100	518598	1@1	CP_QAM16	19.25	20.05		PASS
n41	ant2	30	100	518598	1@1	CP_QAM16	19.79	23.39		PASS
n41	sum	30	100	518598	1@1	CP_QAM16	22.54	25.04	33	PASS
n41	ant1	30	100	518598	1@271	CP_QAM16	19.49	20.29		PASS
n41	ant2	30	100	518598	1@271	CP_QAM16	19.91	23.51		PASS
n41	sum	30	100	518598	1@271	CP_QAM16	22.72	25.20	33	PASS
n41	ant1	30	100	518598	137@68	CP_QAM64	18.33	19.13		PASS
n41	ant2	30	100	518598	137@68	CP_QAM64	18.21	21.81		PASS
n41	sum	30	100	518598	137@68	CP_QAM64	21.28	23.68	33	PASS
n41	ant1	30	100	518598	1@1	CP_QAM64	18.37	19.17		PASS
n41	ant2	30	100	518598	1@1	CP_QAM64	18.64	22.24		PASS
n41	sum	30	100	518598	1@1	CP_QAM64	21.52	23.98	33	PASS
n41	ant1	30	100	518598	1@271	CP_QAM64	18.59	19.39		PASS
n41	ant2	30	100	518598	1@271	CP_QAM64	18.42	22.02		PASS
n41	sum	30	100	518598	1@271	CP_QAM64	21.52	23.91	33	PASS
n41	ant1	30	100	518598	137@68	CP_QAM256	15.48	16.28		PASS
n41	ant2	30	100	518598	137@68	CP_QAM256	15.09	18.69		PASS
n41	sum	30	100	518598	137@68	CP_QAM256	18.30	20.66	33	PASS
n41	ant1	30	100	518598	1@1	CP_QAM256	15.14	15.94		PASS
n41	ant2	30	100	518598	1@1	CP_QAM256	15.27	18.87		PASS
n41	sum	30	100	518598	1@1	CP_QAM256	18.22	20.66	33	PASS
n41	ant1	30	100	518598	1@271	CP_QAM256	15.36	16.16		PASS
n41	ant2	30	100	518598	1@271	CP_QAM256	15.42	19.02		PASS
n41	sum	30	100	518598	1@271	CP_QAM256	18.40	20.83	33	PASS
n41	ant1	30	100	528000	137@68	CP_QPSK	20.32	21.12		PASS
n41	ant2	30	100	528000	137@68	CP_QPSK	20.42	24.02		PASS
n41	sum	30	100	528000	137@68	CP_QPSK	23.38	25.82	33	PASS
n41	ant1	30	100	528000	1@1	CP_QPSK	20.39	21.19		PASS
n41	ant2	30	100	528000	1@1	CP_QPSK	20.26	23.86		PASS
n41	sum	30	100	528000	1@1	CP_QPSK	23.34	25.74	33	PASS
n41	ant1	30	100	528000	1@271	CP_QPSK	20.37	21.17		PASS
n41	ant2	30	100	528000	1@271	CP_QPSK	19.83	23.43		PASS

n41	sum	30	100	528000	1@271	CP_QPSK	23.12	25.46	33	PASS
n41	ant1	30	100	528000	137@68	CP_QAM16	19.81	20.61		PASS
n41	ant2	30	100	528000	137@68	CP_QAM16	19.79	23.39		PASS
n41	sum	30	100	528000	137@68	CP_QAM16	22.81	25.23	33	PASS
n41	ant1	30	100	528000	1@1	CP_QAM16	19.53	20.33		PASS
n41	ant2	30	100	528000	1@1	CP_QAM16	19.77	23.37		PASS
n41	sum	30	100	528000	1@1	CP_QAM16	22.66	25.12	33	PASS
n41	ant1	30	100	528000	1@271	CP_QAM16	19.59	20.39		PASS
n41	ant2	30	100	528000	1@271	CP_QAM16	19.44	23.04		PASS
n41	sum	30	100	528000	1@271	CP_QAM16	22.53	24.92	33	PASS
n41	ant1	30	100	528000	137@68	CP_QAM64	18.28	19.08		PASS
n41	ant2	30	100	528000	137@68	CP_QAM64	18.43	22.03		PASS
n41	sum	30	100	528000	137@68	CP_QAM64	21.37	23.81	33	PASS
n41	ant1	30	100	528000	1@1	CP_QAM64	18.80	19.60		PASS
n41	ant2	30	100	528000	1@1	CP_QAM64	18.74	22.34		PASS
n41	sum	30	100	528000	1@1	CP_QAM64	21.78	24.19	33	PASS
n41	ant1	30	100	528000	1@271	CP_QAM64	18.83	19.63		PASS
n41	ant2	30	100	528000	1@271	CP_QAM64	18.33	21.93		PASS
n41	sum	30	100	528000	1@271	CP_QAM64	21.60	23.94	33	PASS
n41	ant1	30	100	528000	137@68	CP_QAM256	15.41	16.21		PASS
n41	ant2	30	100	528000	137@68	CP_QAM256	15.49	19.09		PASS
n41	sum	30	100	528000	137@68	CP_QAM256	18.46	20.89	33	PASS
n41	ant1	30	100	528000	1@1	CP_QAM256	15.59	16.39		PASS
n41	ant2	30	100	528000	1@1	CP_QAM256	15.63	19.23		PASS
n41	sum	30	100	528000	1@1	CP_QAM256	18.62	21.05	33	PASS
n41	ant1	30	100	528000	1@271	CP_QAM256	15.56	16.36		PASS
n41	ant2	30	100	528000	1@271	CP_QAM256	15.01	18.61		PASS
n41	sum	30	100	528000	1@271	CP_QAM256	18.30	20.64	33	PASS

## 2 Frequency stability for NR FR1 UL-MIMO

Band	Ant	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result(Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
n41	ant1	30	100	518598	137@68	CP_QPSK	-29.80	-0.01	-2.5	2.5	PASS
n41	ant2	30	100	518598	137@68	CP_QPSK	-30.49	-0.01	-2.5	2.5	PASS
n41	ant1	30	100	518598	1@1	CP_QPSK	-29.99	-0.01	-2.5	2.5	PASS
n41	ant2	30	100	518598	1@1	CP_QPSK	-39.35	-0.01	-2.5	2.5	PASS
n41	ant1	30	100	518598	1@271	CP_QPSK	-25.52	-0.01	-2.5	2.5	PASS
n41	ant2	30	100	518598	1@271	CP_QPSK	-25.03	-0.01	-2.5	2.5	PASS

## 3 Peak-to-Average Ratio for NR FR1 UL-MIMO

Band	Ant	SCS	Bandwidth	UL Channel	RB	Modulation	Result (dB)	high Limit	Verdict
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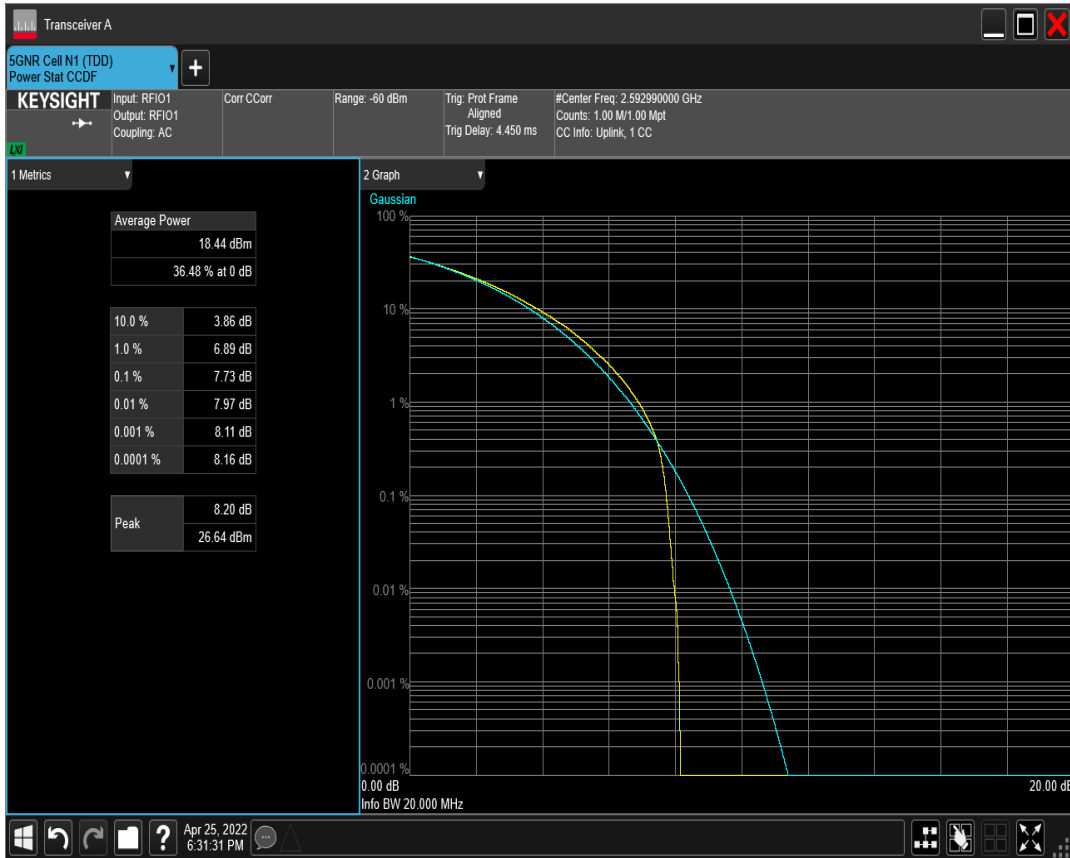
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		(kHz)	(MHz)		Allocation			(dB)	
n41	ant1	30	20	518598	51@0	CP_QPSK	7.73	13	PASS
n41	ant2	30	20	518598	51@0	CP_QPSK	8.42	13	PASS
n41	ant1	30	20	518598	51@0	CP_QAM16	7.78	13	PASS
n41	ant2	30	20	518598	51@0	CP_QAM16	8.57	13	PASS
n41	ant1	30	20	518598	51@0	CP_QAM64	7.76	13	PASS
n41	ant2	30	20	518598	51@0	CP_QAM64	8.59	13	PASS
n41	ant1	30	20	518598	51@0	CP_QAM256	8.85	13	PASS
n41	ant2	30	20	518598	51@0	CP_QAM256	8.78	13	PASS
n41	ant1	30	30	518598	78@0	CP_QPSK	7.55	13	PASS
n41	ant2	30	30	518598	78@0	CP_QPSK	8.51	13	PASS
n41	ant1	30	30	518598	78@0	CP_QAM16	7.60	13	PASS
n41	ant2	30	30	518598	78@0	CP_QAM16	8.48	13	PASS
n41	ant1	30	30	518598	78@0	CP_QAM64	8.13	13	PASS
n41	ant2	30	30	518598	78@0	CP_QAM64	8.73	13	PASS
n41	ant1	30	30	518598	78@0	CP_QAM256	8.87	13	PASS
n41	ant2	30	30	518598	78@0	CP_QAM256	8.61	13	PASS
n41	ant1	30	40	518598	106@0	CP_QPSK	7.52	13	PASS
n41	ant2	30	40	518598	106@0	CP_QPSK	7.76	13	PASS
n41	ant1	30	40	518598	106@0	CP_QAM16	7.69	13	PASS
n41	ant2	30	40	518598	106@0	CP_QAM16	7.89	13	PASS
n41	ant1	30	40	518598	106@0	CP_QAM64	8.08	13	PASS
n41	ant2	30	40	518598	106@0	CP_QAM64	7.60	13	PASS
n41	ant1	30	40	518598	106@0	CP_QAM256	8.90	13	PASS
n41	ant2	30	40	518598	106@0	CP_QAM256	8.84	13	PASS
n41	ant1	30	50	518598	133@0	CP_QPSK	7.68	13	PASS
n41	ant2	30	50	518598	133@0	CP_QPSK	7.81	13	PASS
n41	ant1	30	50	518598	133@0	CP_QAM16	7.68	13	PASS
n41	ant2	30	50	518598	133@0	CP_QAM16	7.79	13	PASS
n41	ant1	30	50	518598	133@0	CP_QAM64	7.72	13	PASS
n41	ant2	30	50	518598	133@0	CP_QAM64	7.94	13	PASS
n41	ant1	30	50	518598	133@0	CP_QAM256	8.77	13	PASS
n41	ant2	30	50	518598	133@0	CP_QAM256	8.80	13	PASS
n41	ant1	30	60	518598	162@0	CP_QPSK	7.82	13	PASS
n41	ant2	30	60	518598	162@0	CP_QPSK	7.97	13	PASS
n41	ant1	30	60	518598	162@0	CP_QAM16	7.82	13	PASS
n41	ant2	30	60	518598	162@0	CP_QAM16	7.97	13	PASS
n41	ant1	30	60	518598	162@0	CP_QAM64	7.77	13	PASS
n41	ant2	30	60	518598	162@0	CP_QAM64	8.10	13	PASS
n41	ant1	30	60	518598	162@0	CP_QAM256	8.82	13	PASS
n41	ant2	30	60	518598	162@0	CP_QAM256	8.86	13	PASS
n41	ant1	30	80	518598	217@0	CP_QPSK	7.86	13	PASS

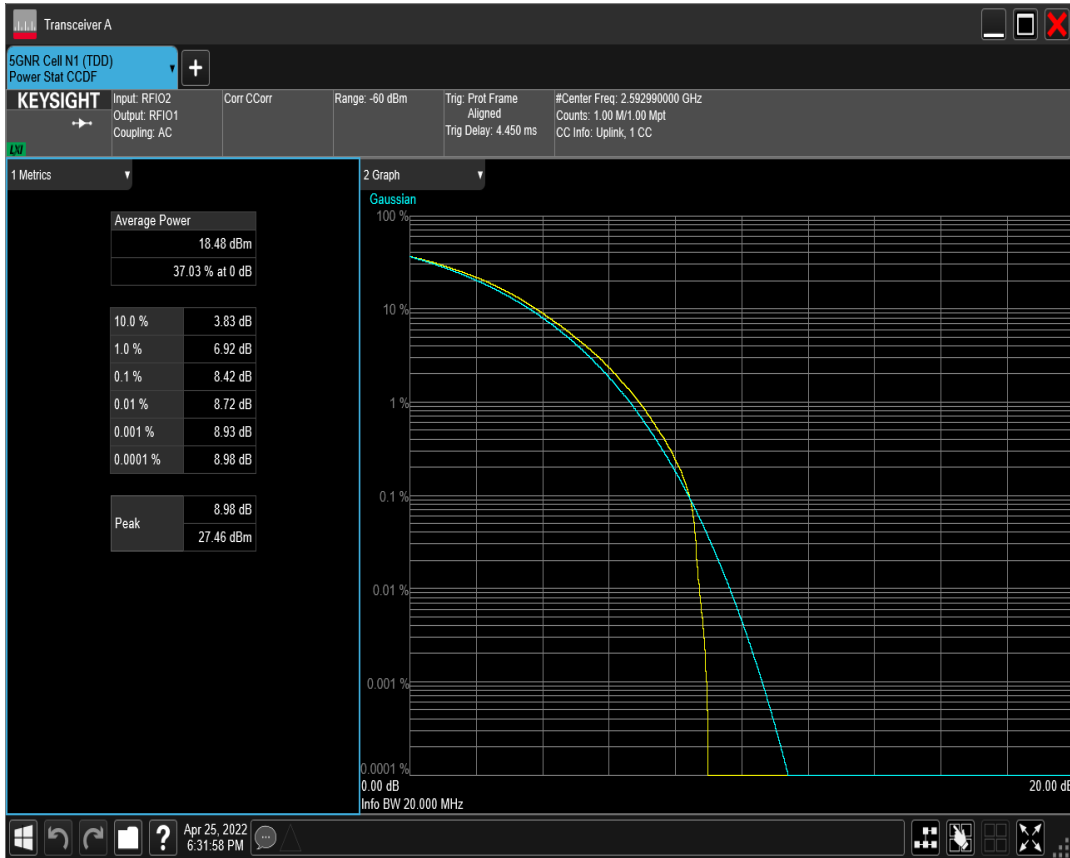
n41	ant2	30	80	518598	217@0	CP_QPSK	7.59	13	PASS
n41	ant1	30	80	518598	217@0	CP_QAM16	7.85	13	PASS
n41	ant2	30	80	518598	217@0	CP_QAM16	7.58	13	PASS
n41	ant1	30	80	518598	217@0	CP_QAM64	7.90	13	PASS
n41	ant2	30	80	518598	217@0	CP_QAM64	8.15	13	PASS
n41	ant1	30	80	518598	217@0	CP_QAM256	8.85	13	PASS
n41	ant2	30	80	518598	217@0	CP_QAM256	9.09	13	PASS
n41	ant1	30	90	518598	245@0	CP_QPSK	7.91	13	PASS
n41	ant2	30	90	518598	245@0	CP_QPSK	7.68	13	PASS
n41	ant1	30	90	518598	245@0	CP_QAM16	7.94	13	PASS
n41	ant2	30	90	518598	245@0	CP_QAM16	7.70	13	PASS
n41	ant1	30	90	518598	245@0	CP_QAM64	7.92	13	PASS
n41	ant2	30	90	518598	245@0	CP_QAM64	8.27	13	PASS
n41	ant1	30	90	518598	245@0	CP_QAM256	8.88	13	PASS
n41	ant2	30	90	518598	245@0	CP_QAM256	8.87	13	PASS
n41	ant1	30	100	518598	273@0	CP_QPSK	7.71	13	PASS
n41	ant2	30	100	518598	273@0	CP_QPSK	8.06	13	PASS
n41	ant1	30	100	518598	273@0	CP_QAM16	7.75	13	PASS
n41	ant2	30	100	518598	273@0	CP_QAM16	8.06	13	PASS
n41	ant1	30	100	518598	273@0	CP_QAM64	7.72	13	PASS
n41	ant2	30	100	518598	273@0	CP_QAM64	7.98	13	PASS
n41	ant1	30	100	518598	273@0	CP_QAM256	8.77	13	PASS
n41	ant2	30	100	518598	273@0	CP_QAM256	8.85	13	PASS

n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=518598 RB=51@0 ant1

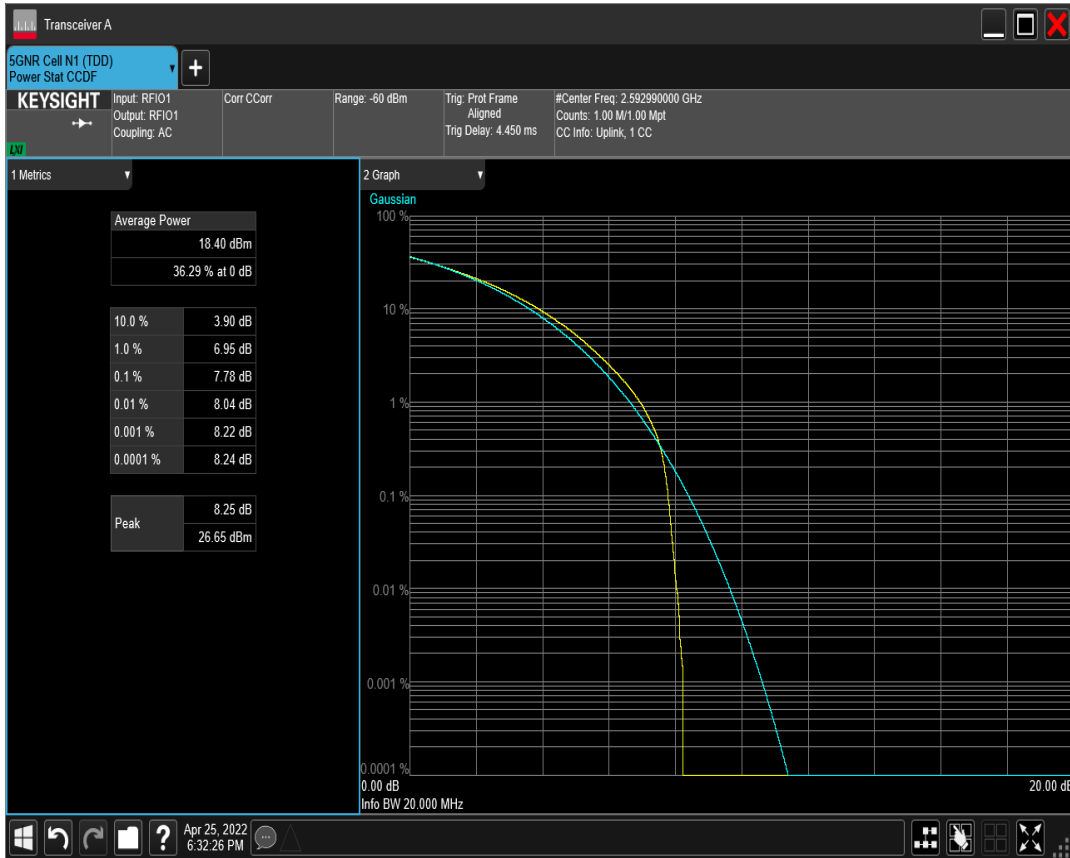


n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=518598 RB=51 @0 ant2

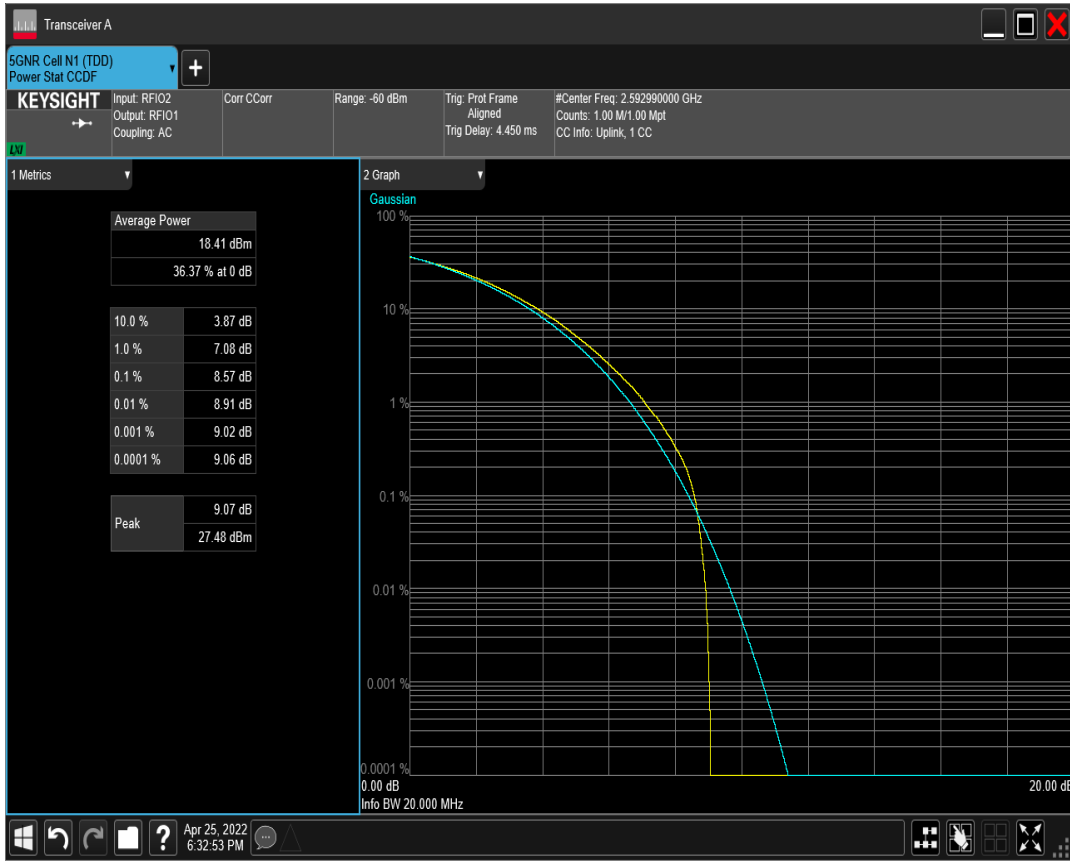




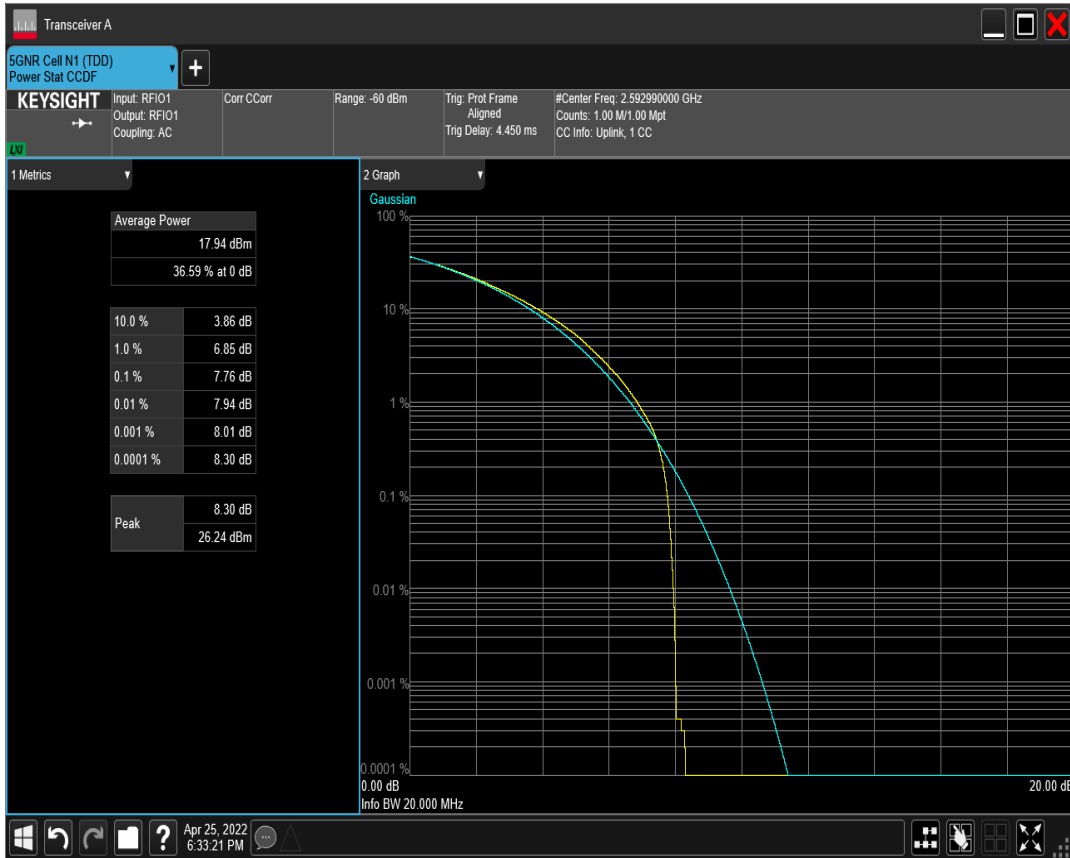
n41 SCS=30kHz CP\_QAM16 BW=20MHz Channel=518598 RB=51 @0 ant1



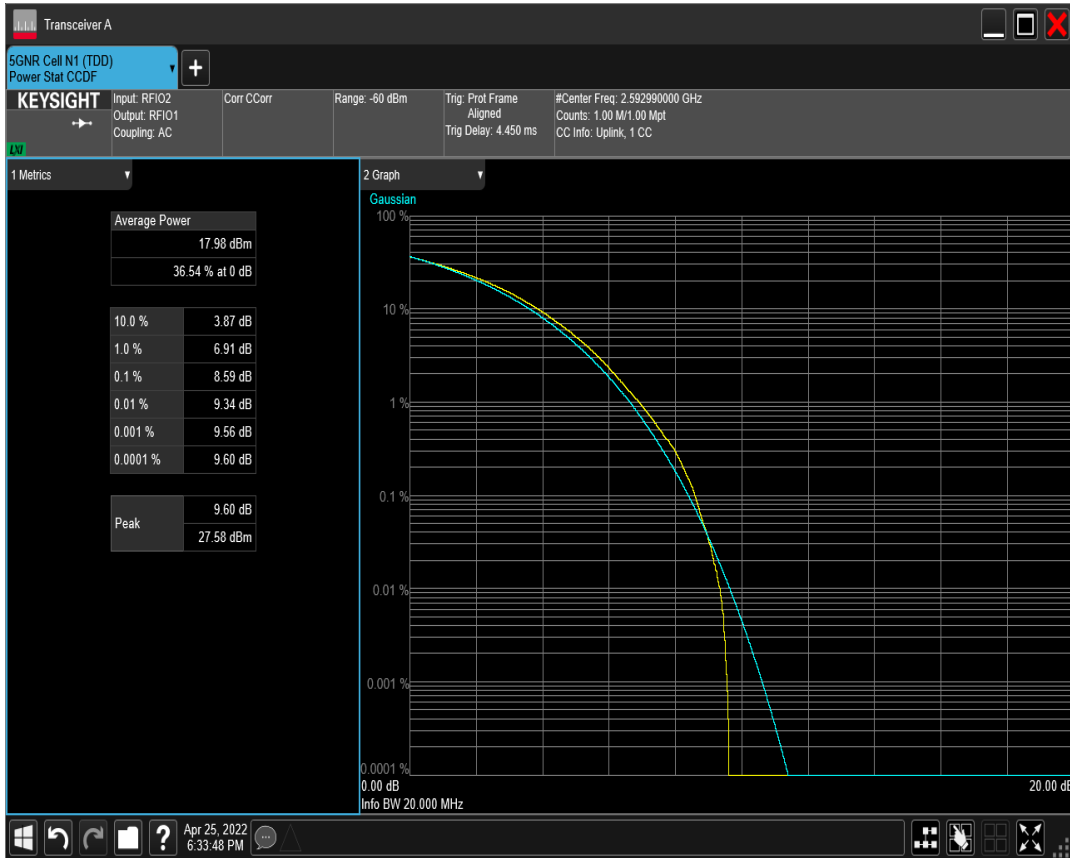
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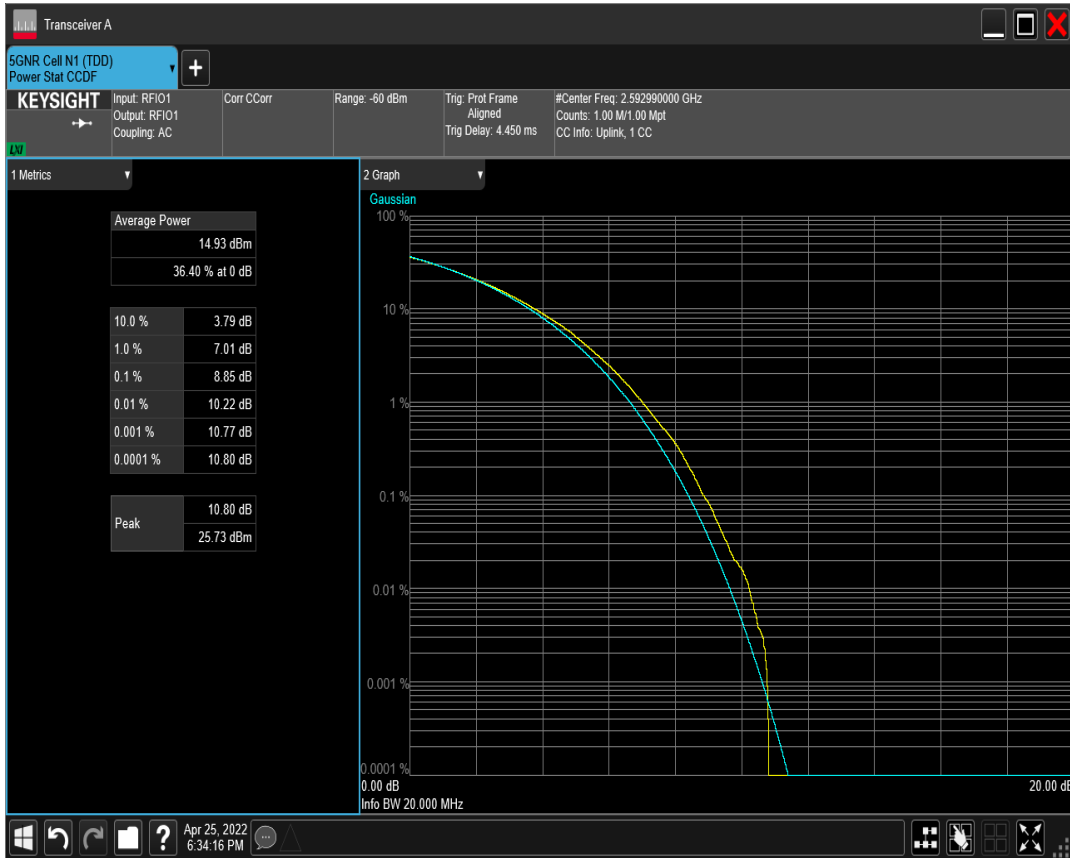
n41 SCS=30kHz CP\_QAM64 BW=20MHz Channel=518598 RB=51 @0 ant1



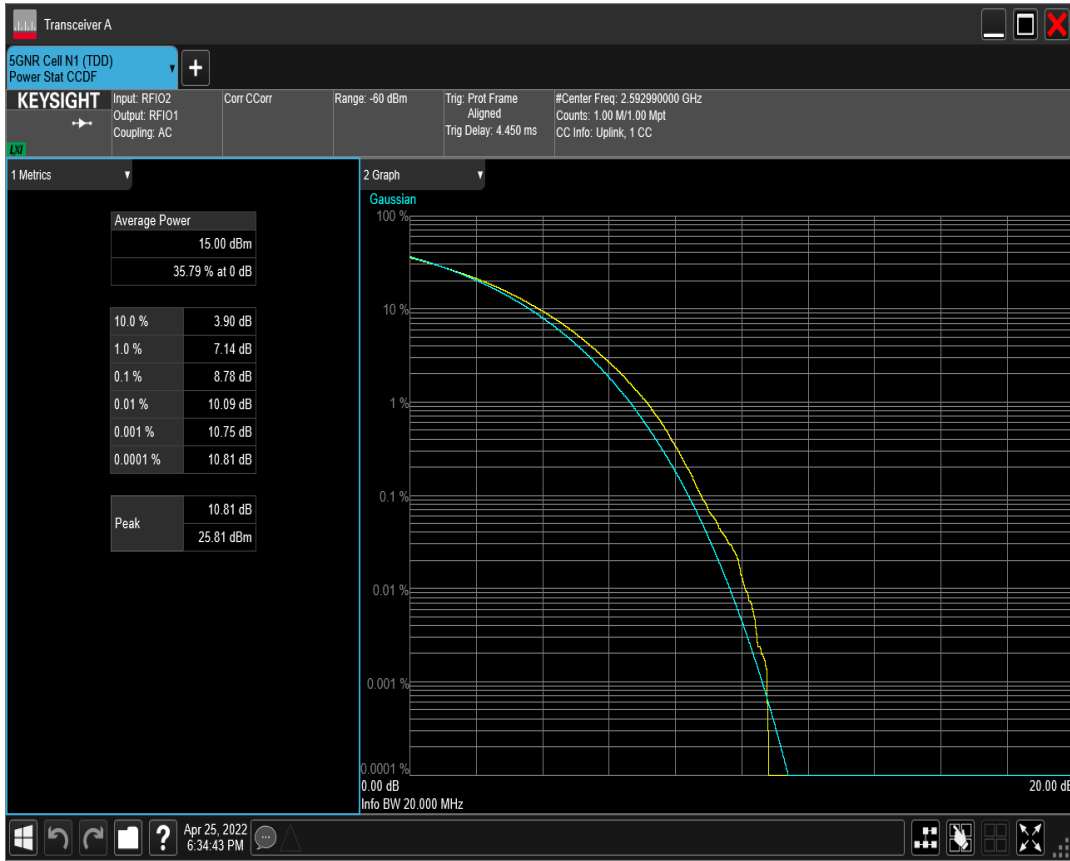
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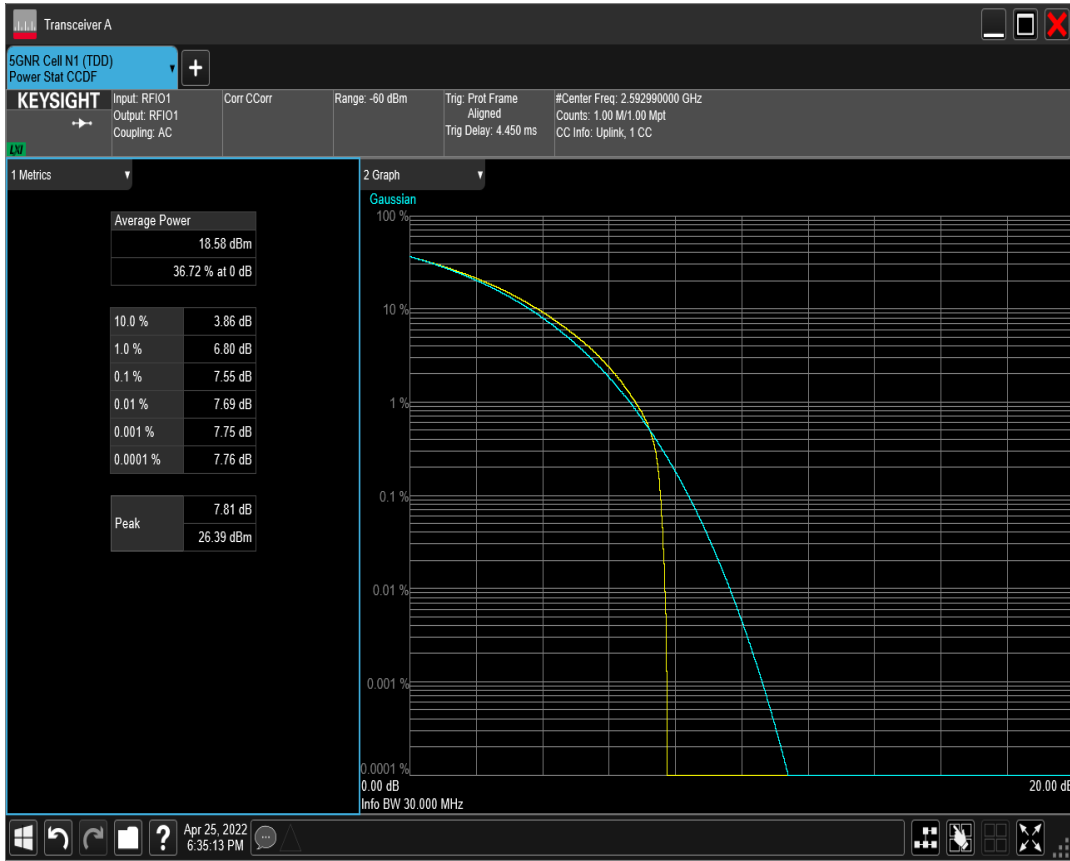
n41 SCS=30kHz CP\_QAM256 BW=20MHz Channel=518598 RB=51 @0 ant1



n41 SCS=30kHz CP\_QAM256 BW=20MHz Channel=518598 RB=51 @0 ant2

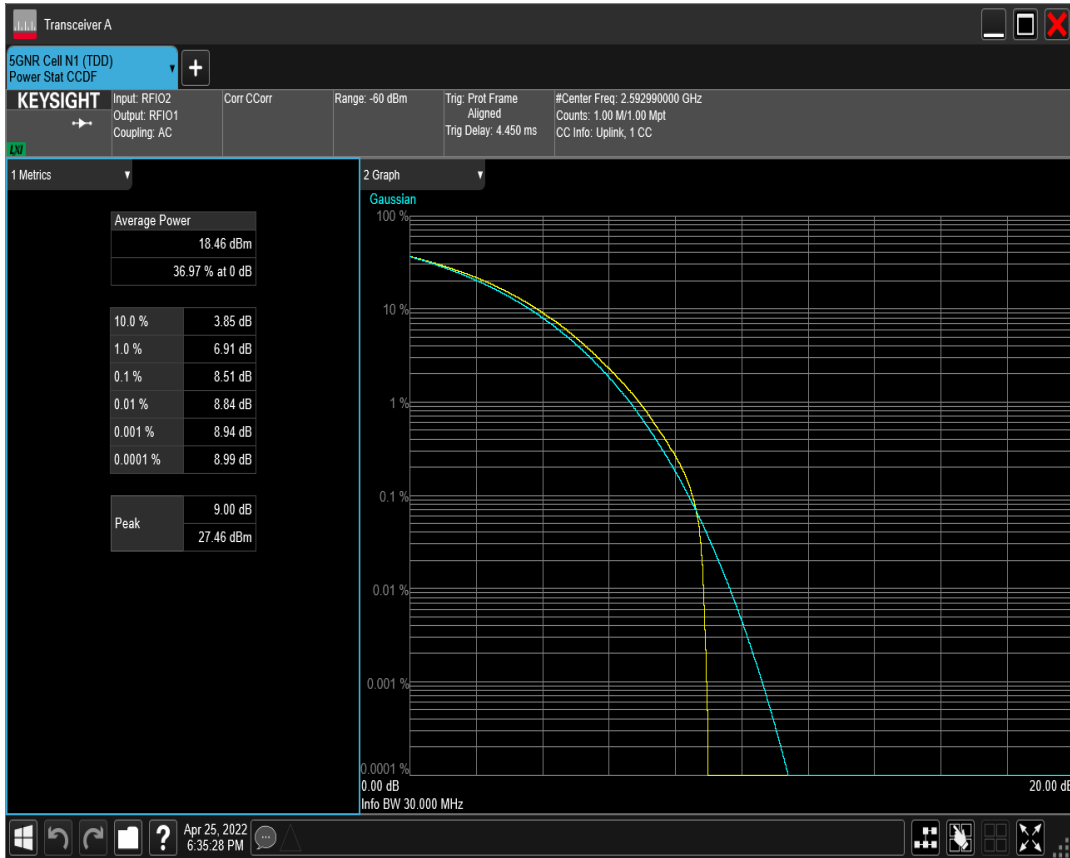


n41 SCS=30kHz CP\_QPSK BW=30MHz Channel=518598 RB=78@0 ant1

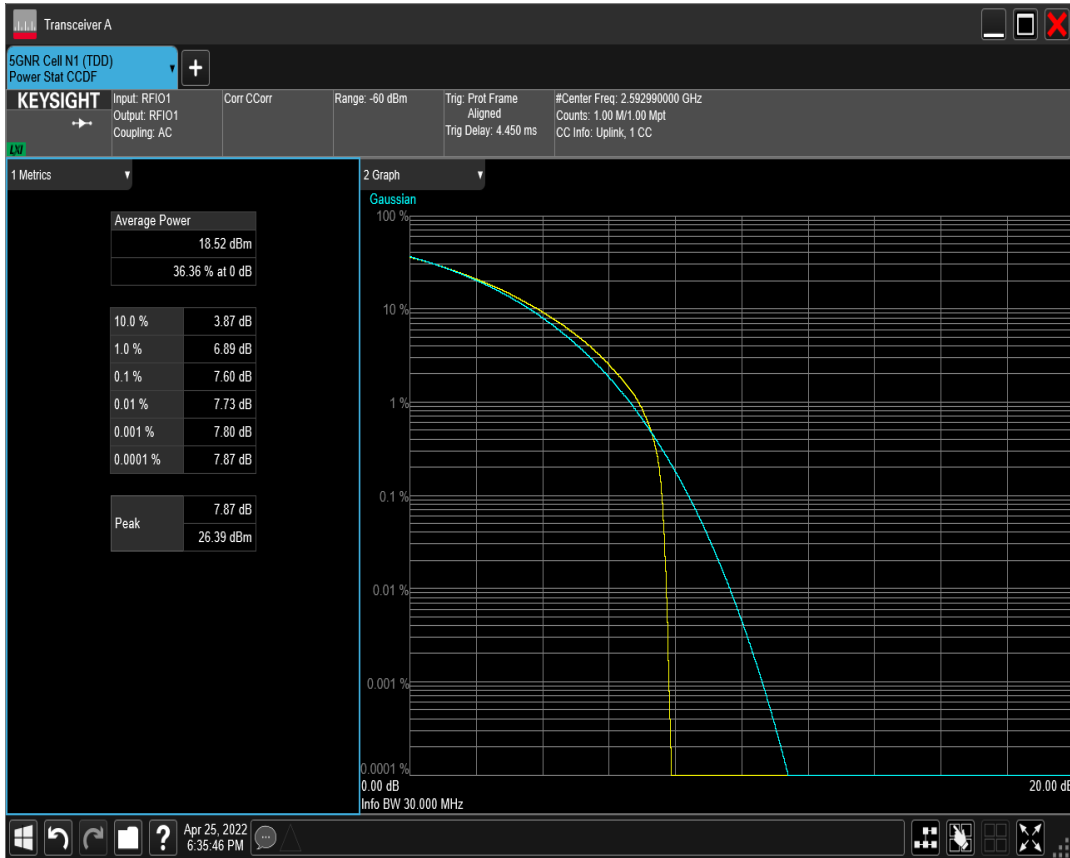


n41 SCS=30kHz CP\_QPSK BW=30MHz Channel=518598 RB=78@0 ant2

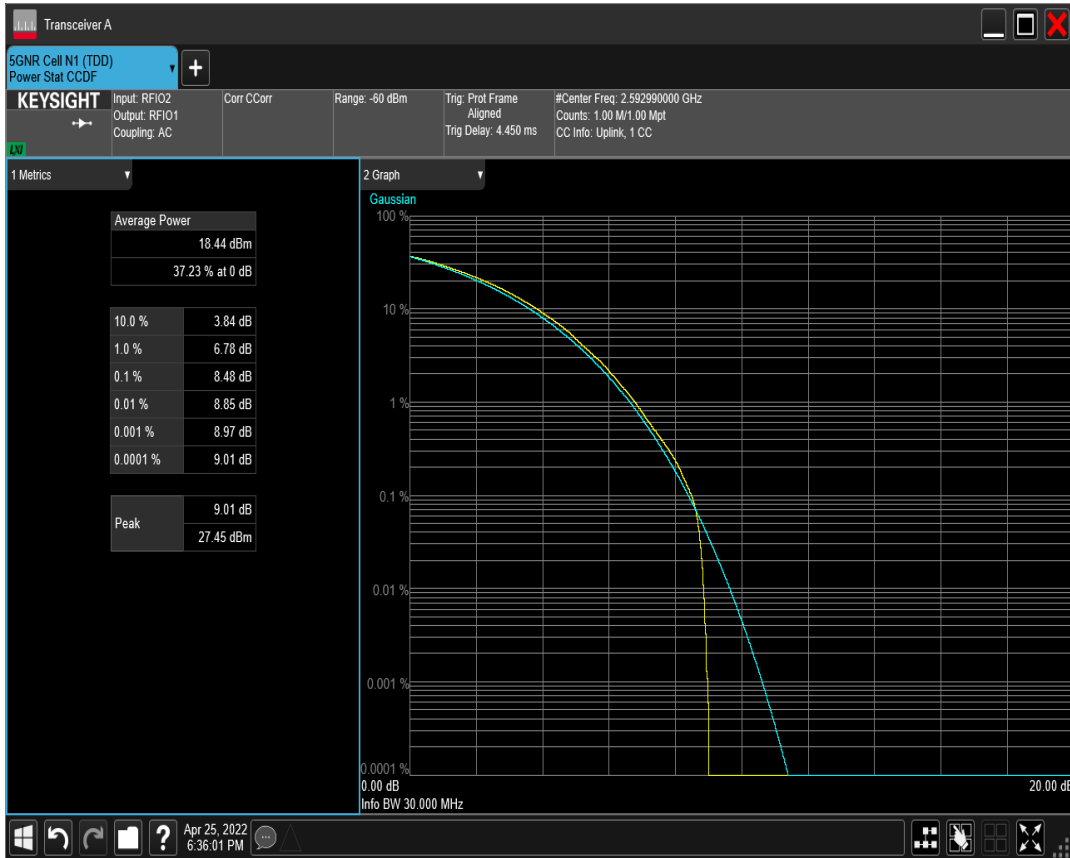




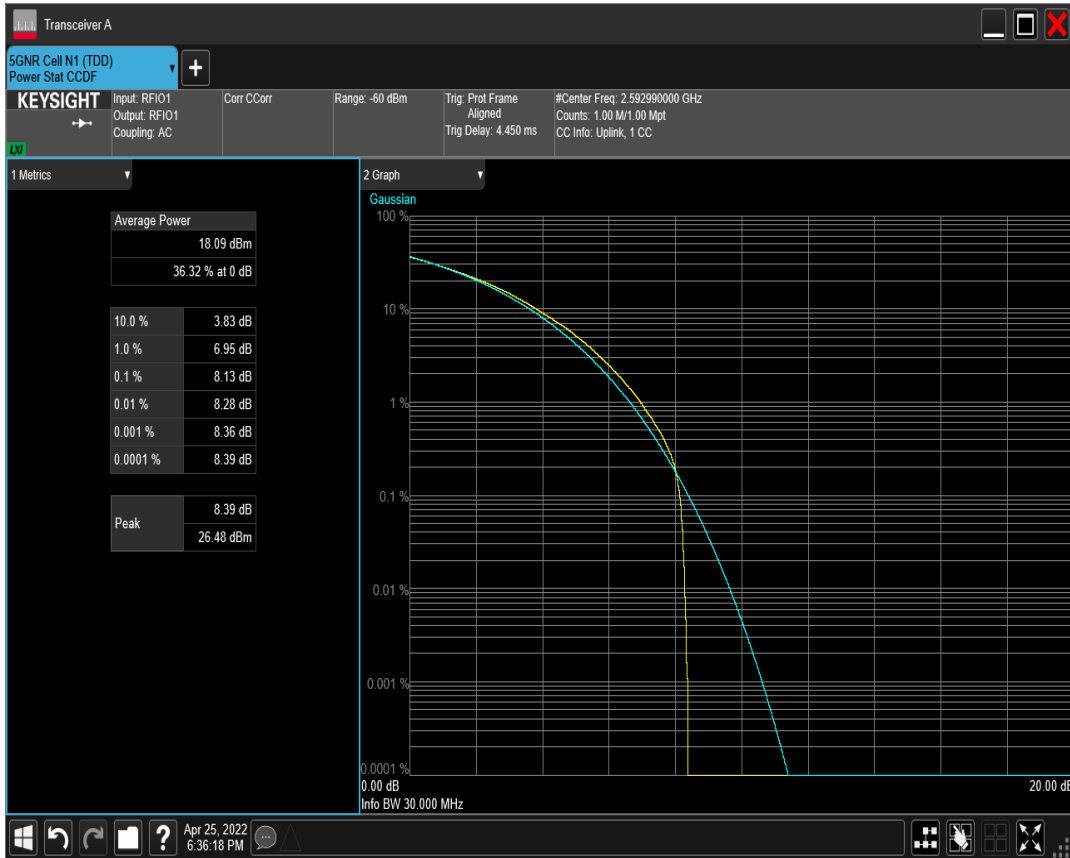
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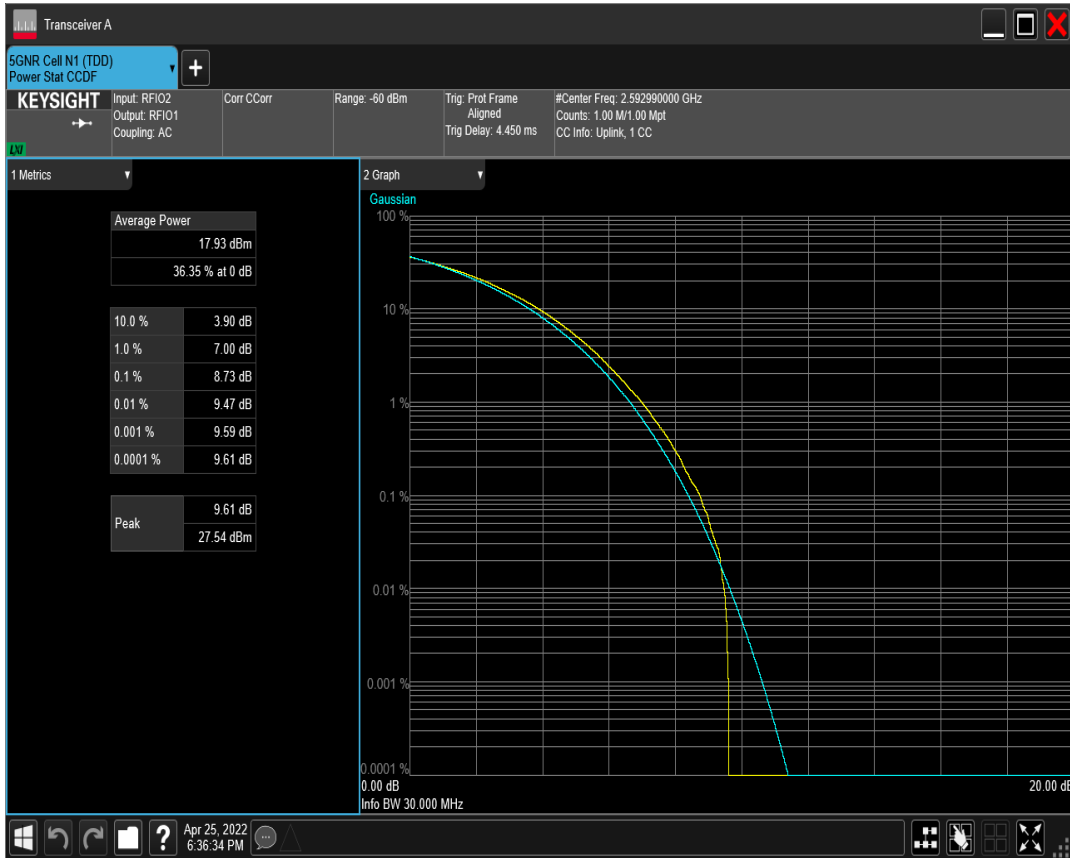
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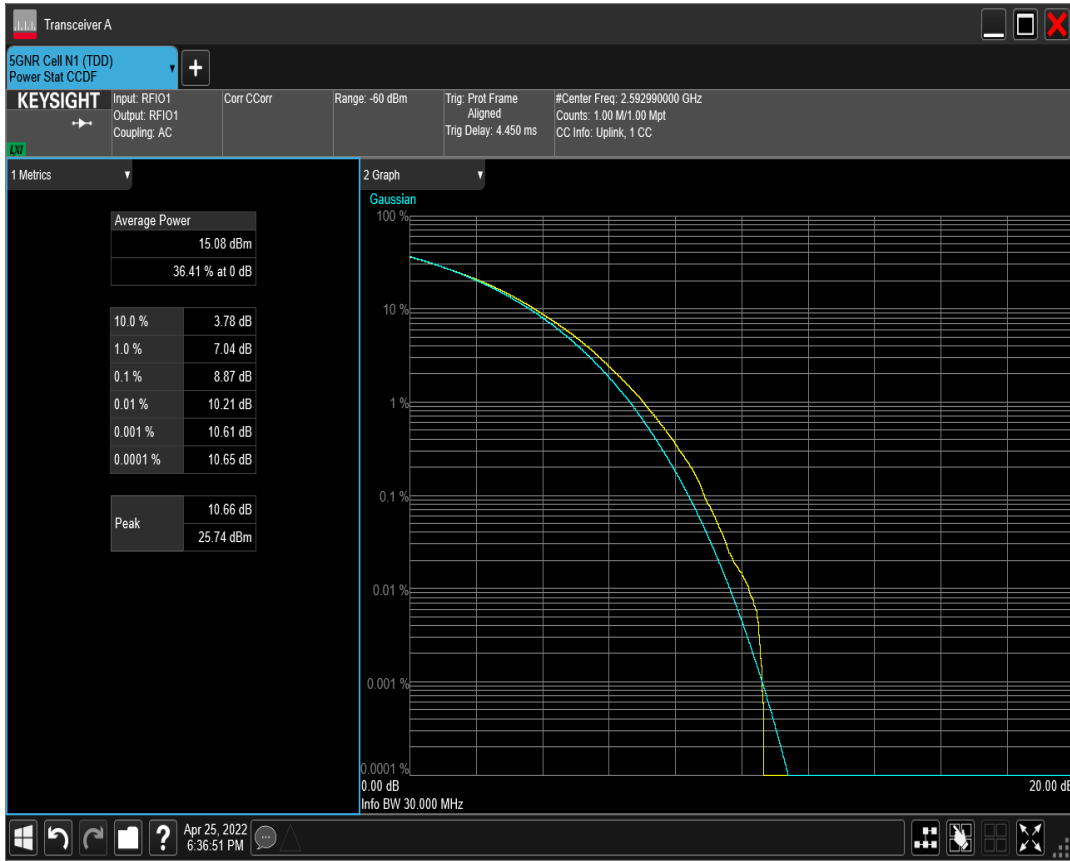
n41 SCS=30kHz CP\_QAM64 BW=30MHz Channel=518598 RB=78@0 ant1



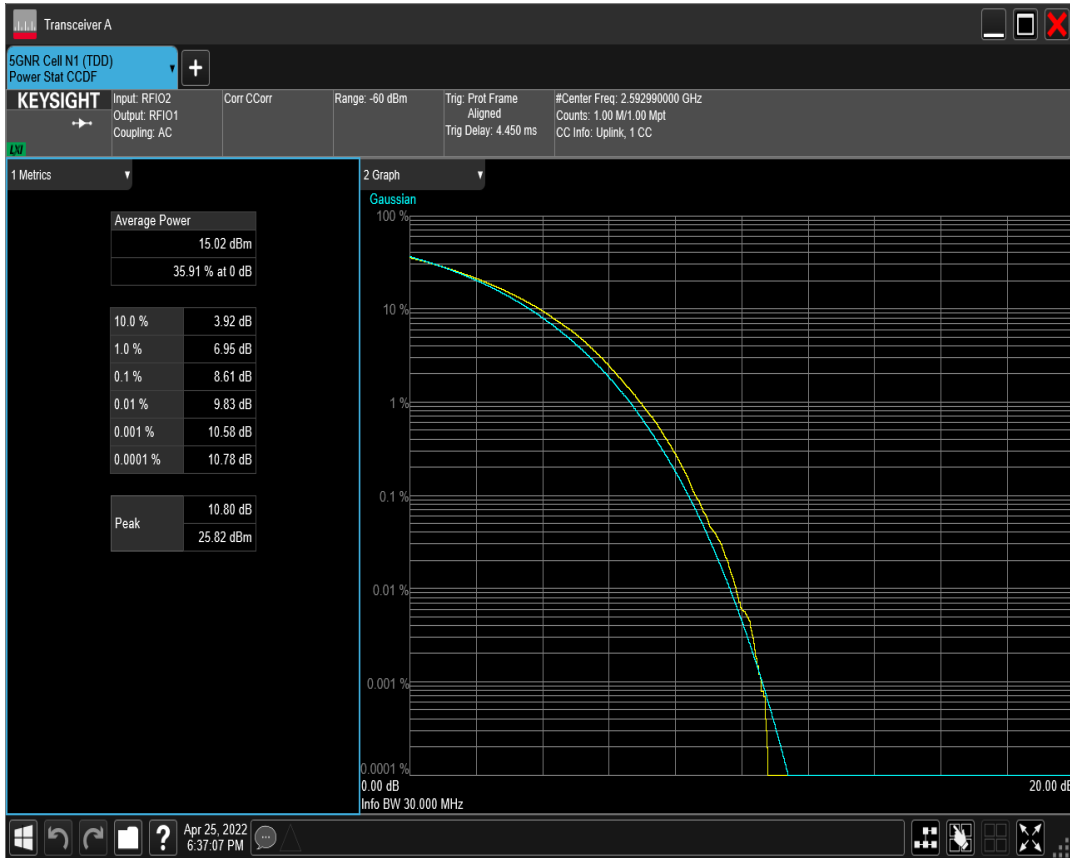
n41 SCS=30kHz CP\_QAM64 BW=30MHz Channel=518598 RB=78@0 ant2



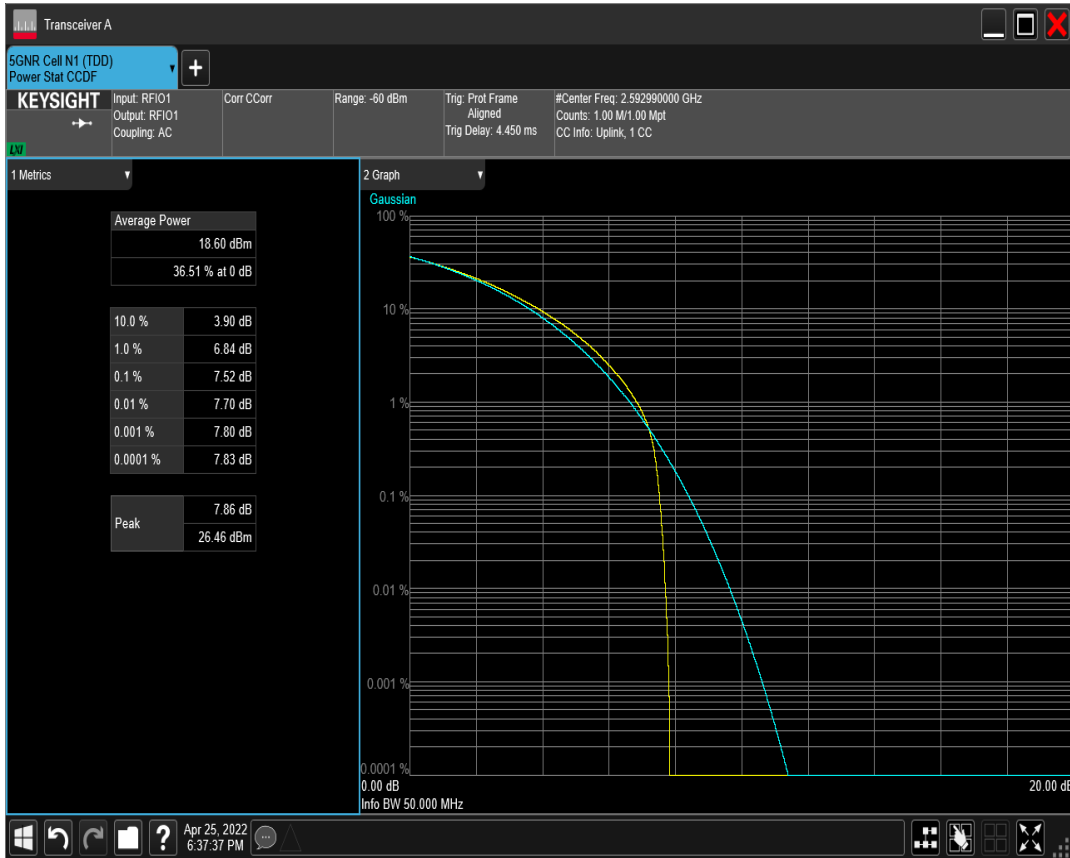
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n41 SCS=30kHz CP\_QAM256 BW=30MHz Channel=518598 RB=78@0 ant2

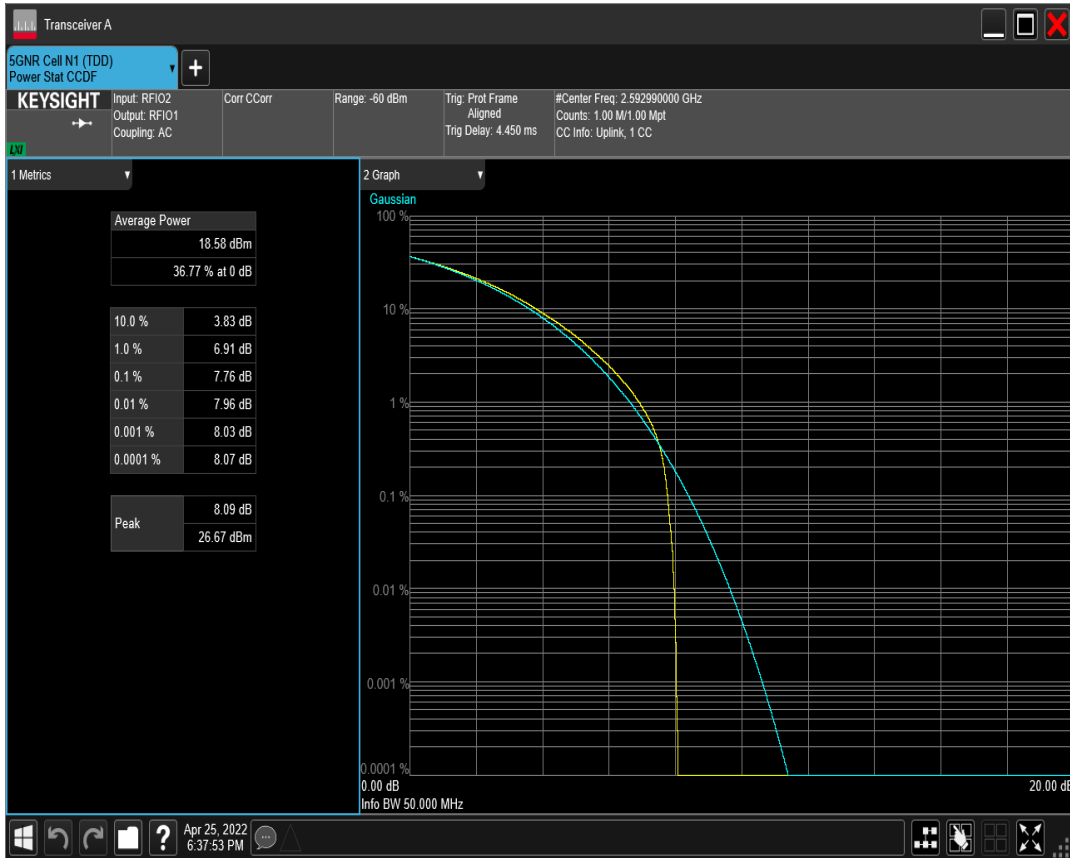


n41 SCS=30kHz CP\_QPSK BW=40MHz Channel=518598 RB=106@0 ant1

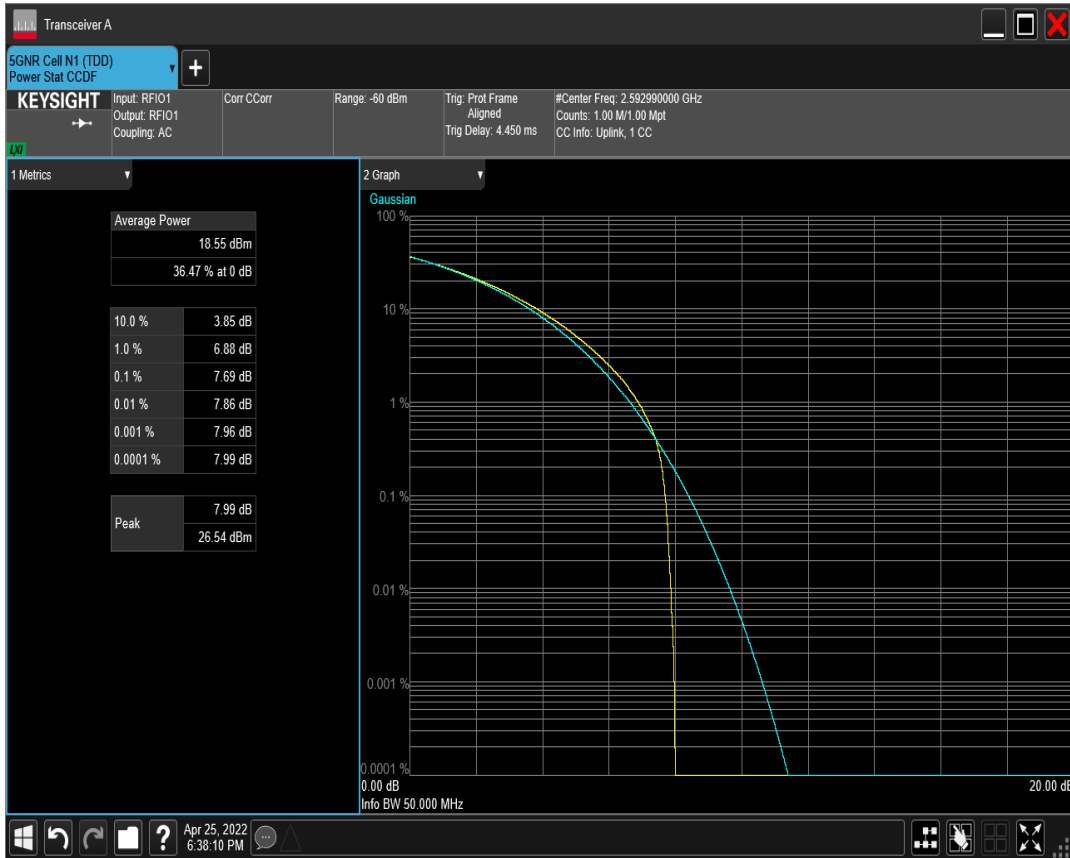


n41 SCS=30kHz CP\_QPSK BW=40MHz Channel=518598 RB=106@0 ant2

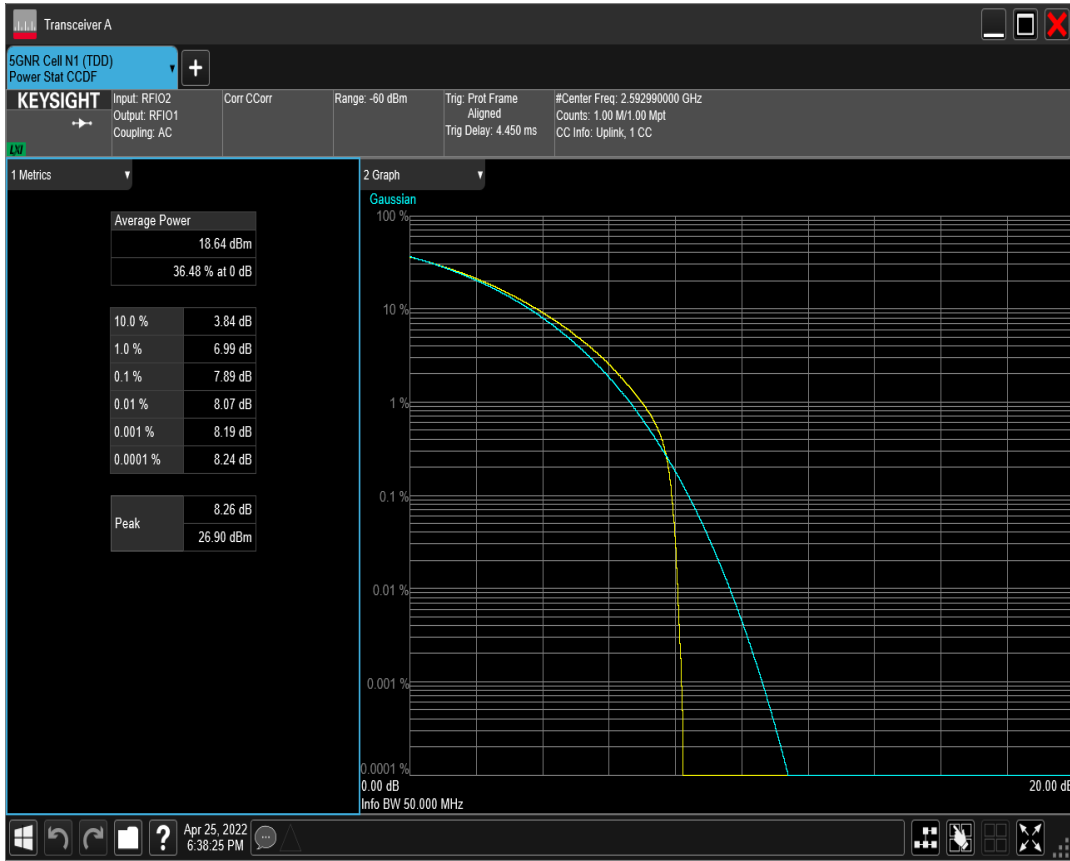




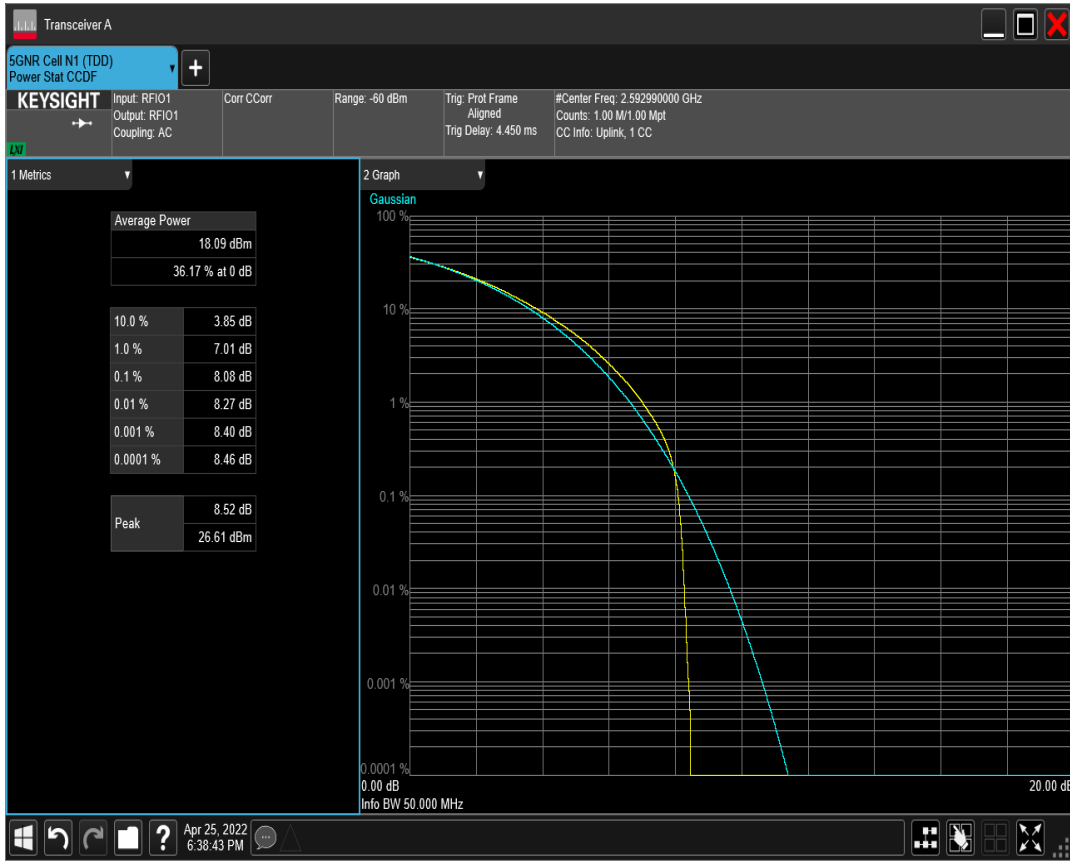
n41 SCS=30kHz CP\_QAM16 BW=40MHz Channel=518598 RB=106@0 ant1



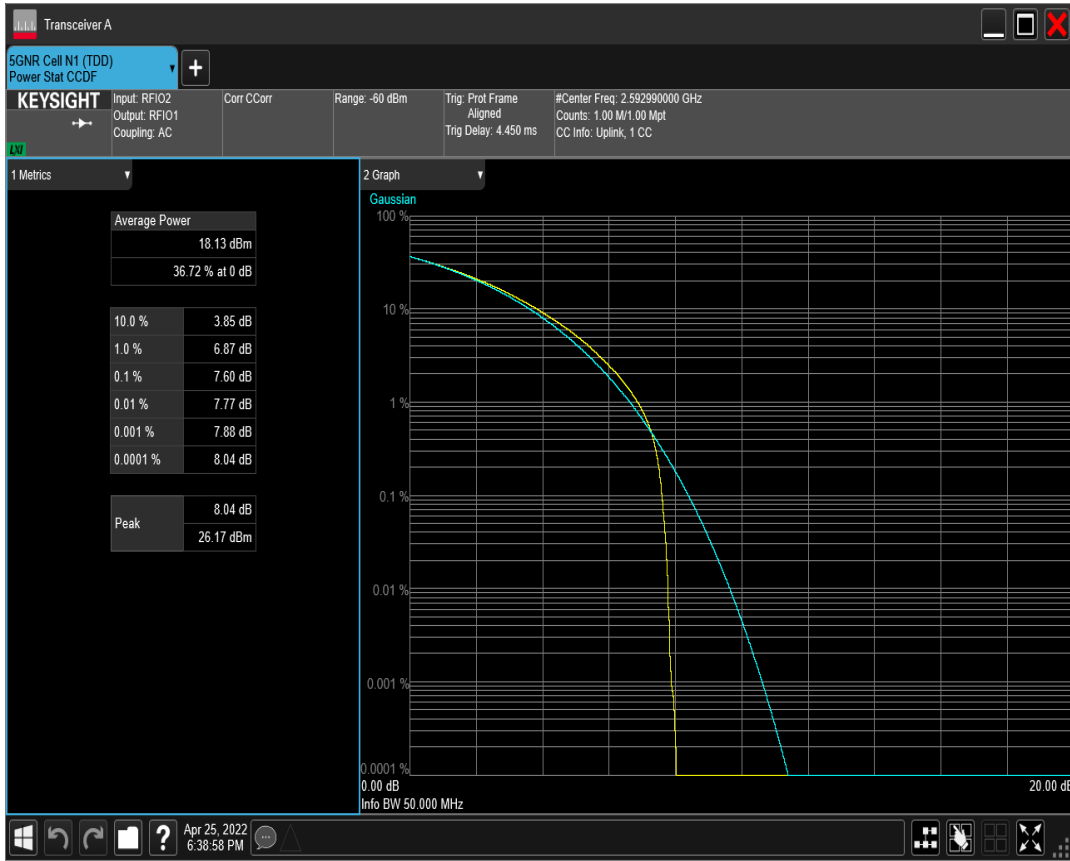
n41 SCS=30kHz CP\_QAM16 BW=40MHz Channel=518598 RB=106@0 ant2



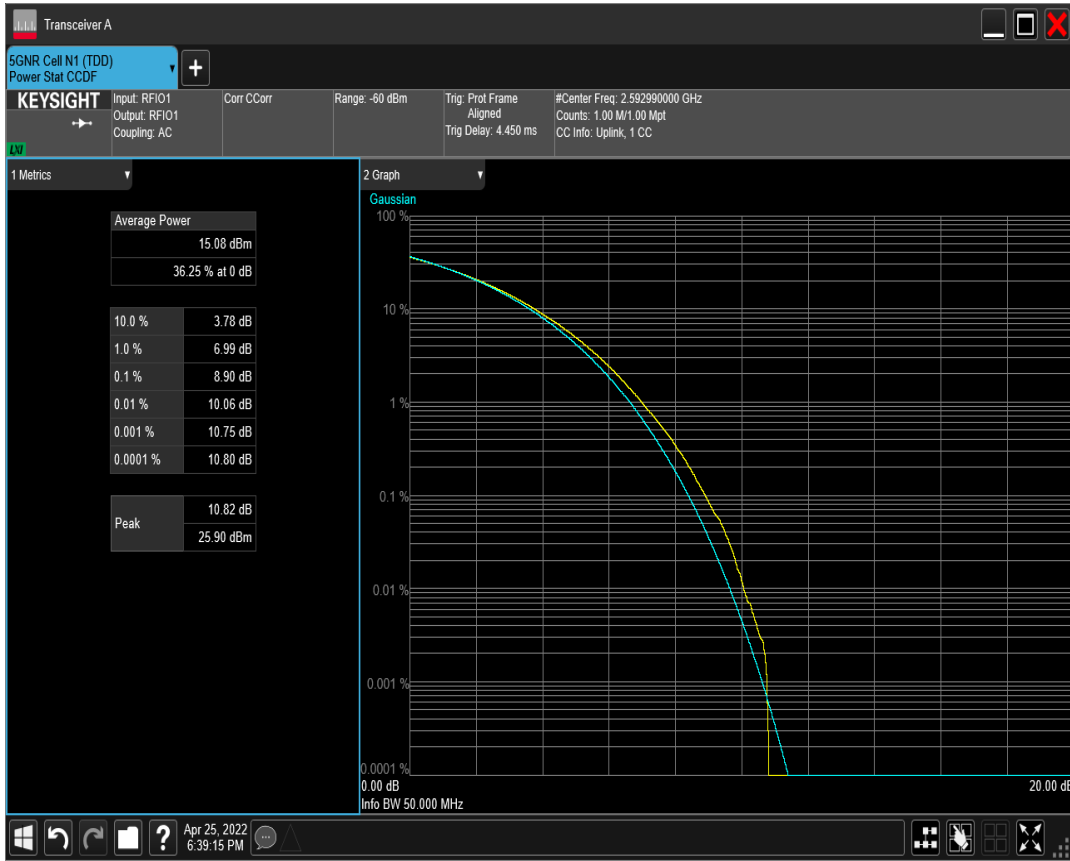
n41 SCS=30kHz CP\_QAM64 BW=40MHz Channel=518598 RB=106@0 ant1



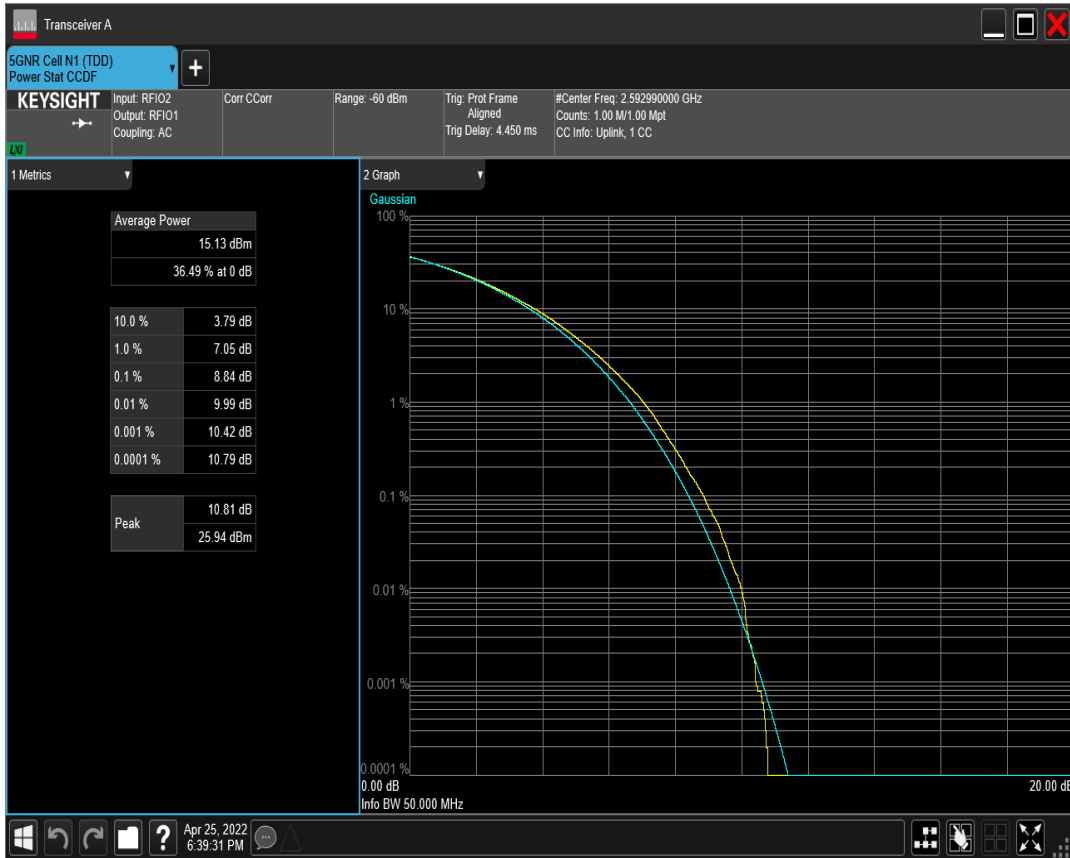
n41 SCS=30kHz CP\_QAM64 BW=40MHz Channel=518598 RB=106@0 ant2



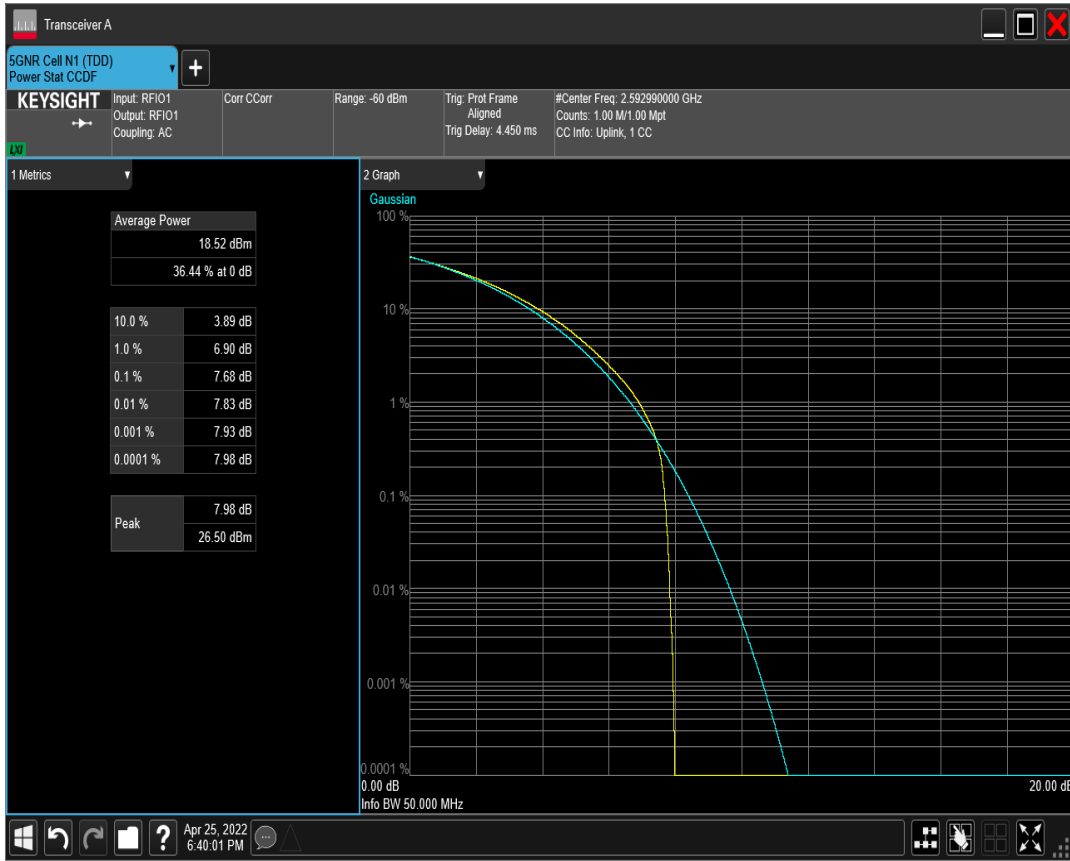
n41 SCS=30kHz CP\_QAM256 BW=40MHz Channel=518598 RB=106@0 ant1



n41 SCS=30kHz CP\_QAM256 BW=40MHz Channel=518598 RB=106@0 ant2

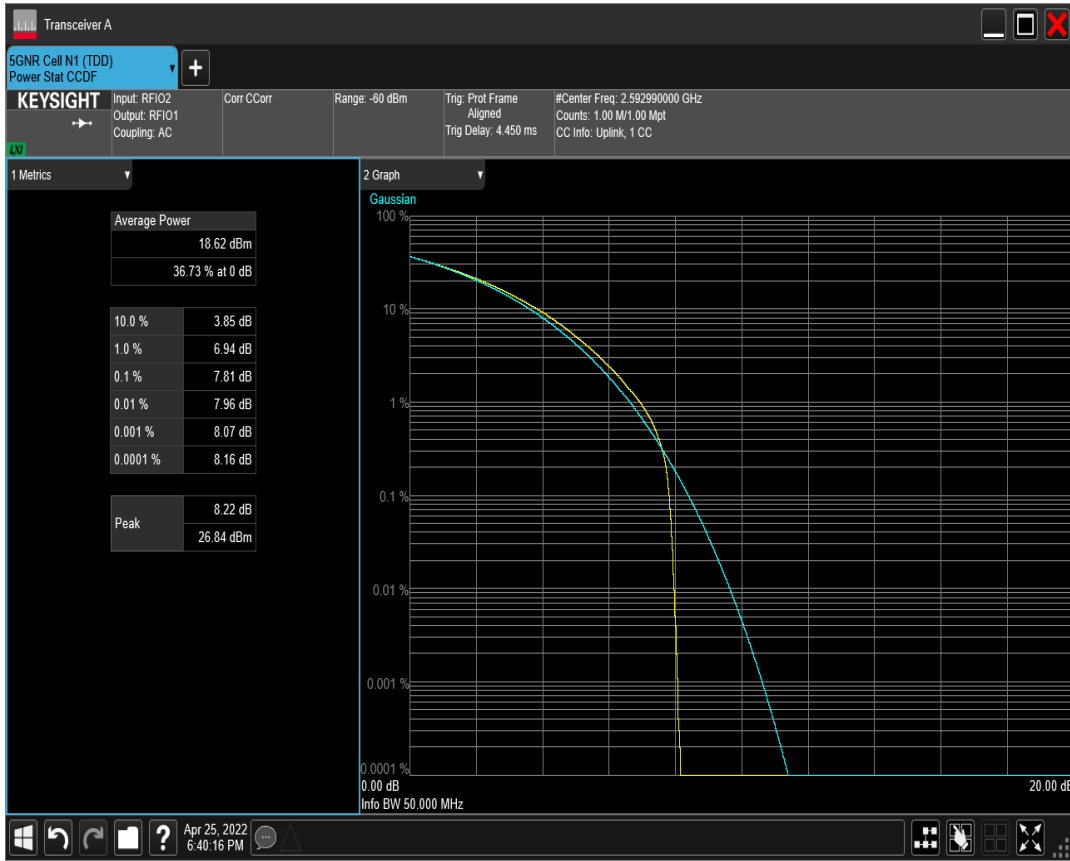


n41 SCS=30kHz CP\_QPSK BW=50MHz Channel=518598 RB=133@0 ant1

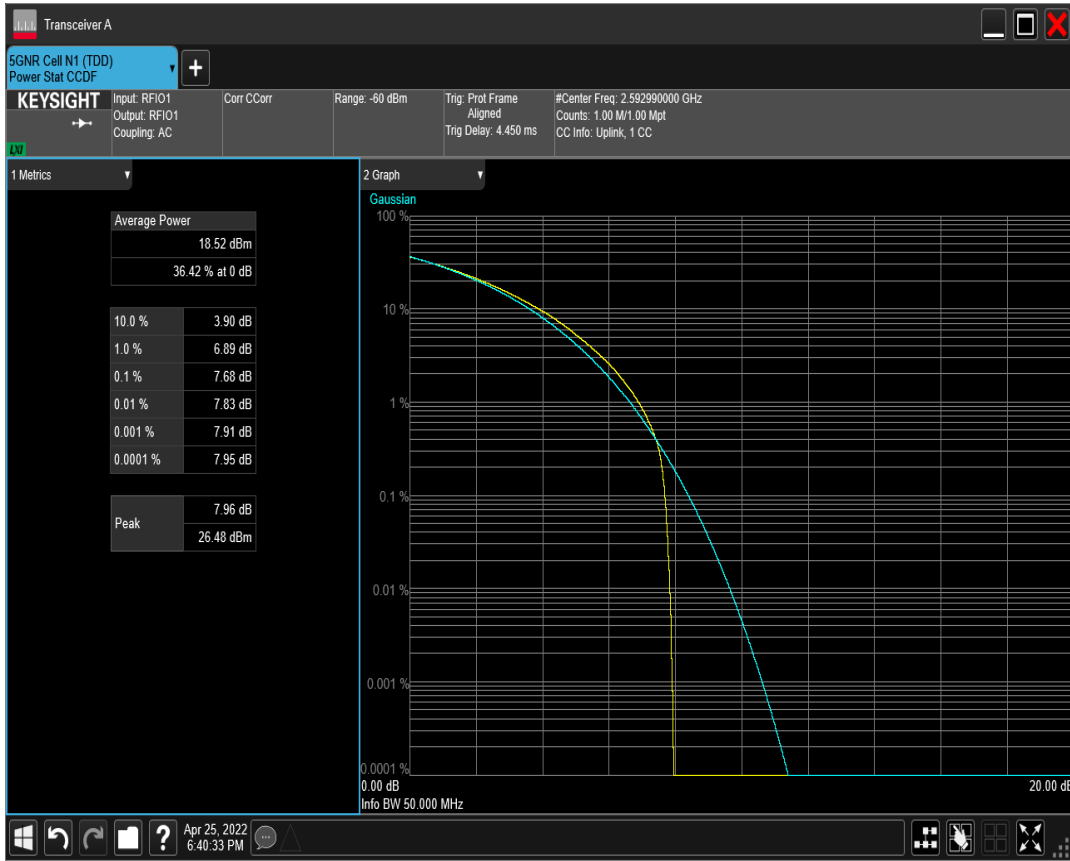


n41 SCS=30kHz CP\_QPSK BW=50MHz Channel=518598 RB=133@0 ant2

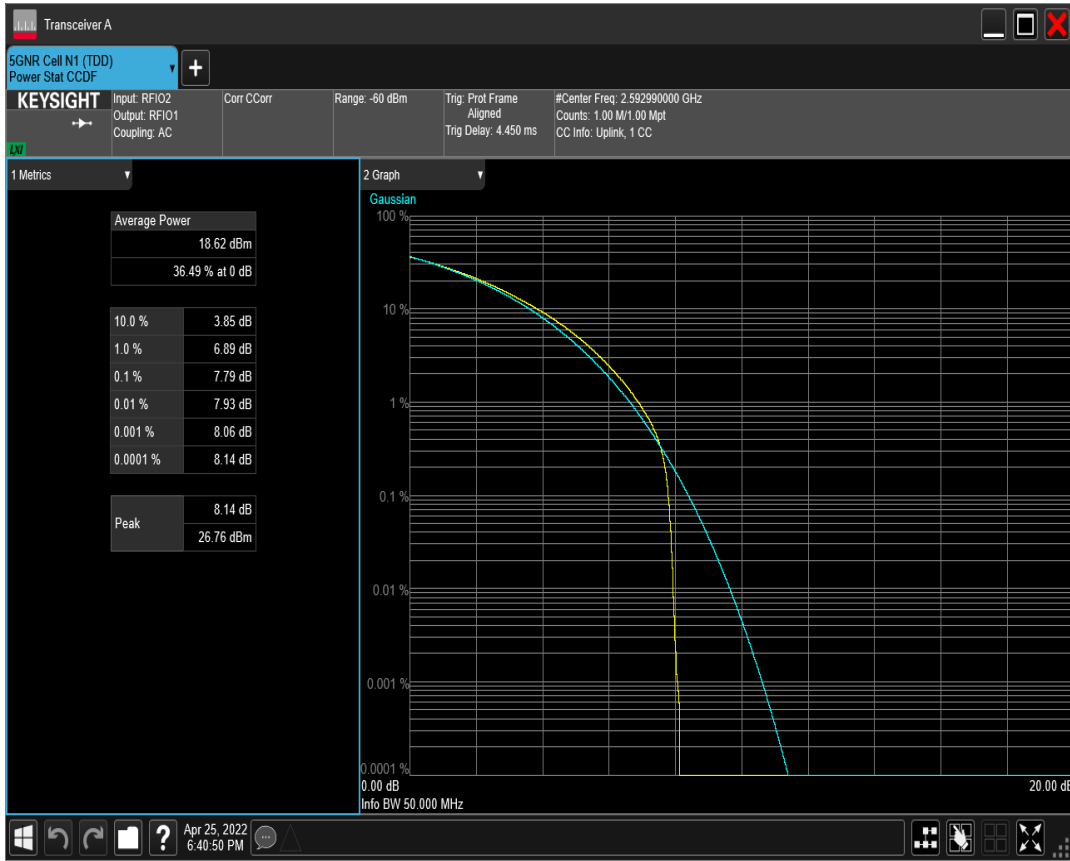




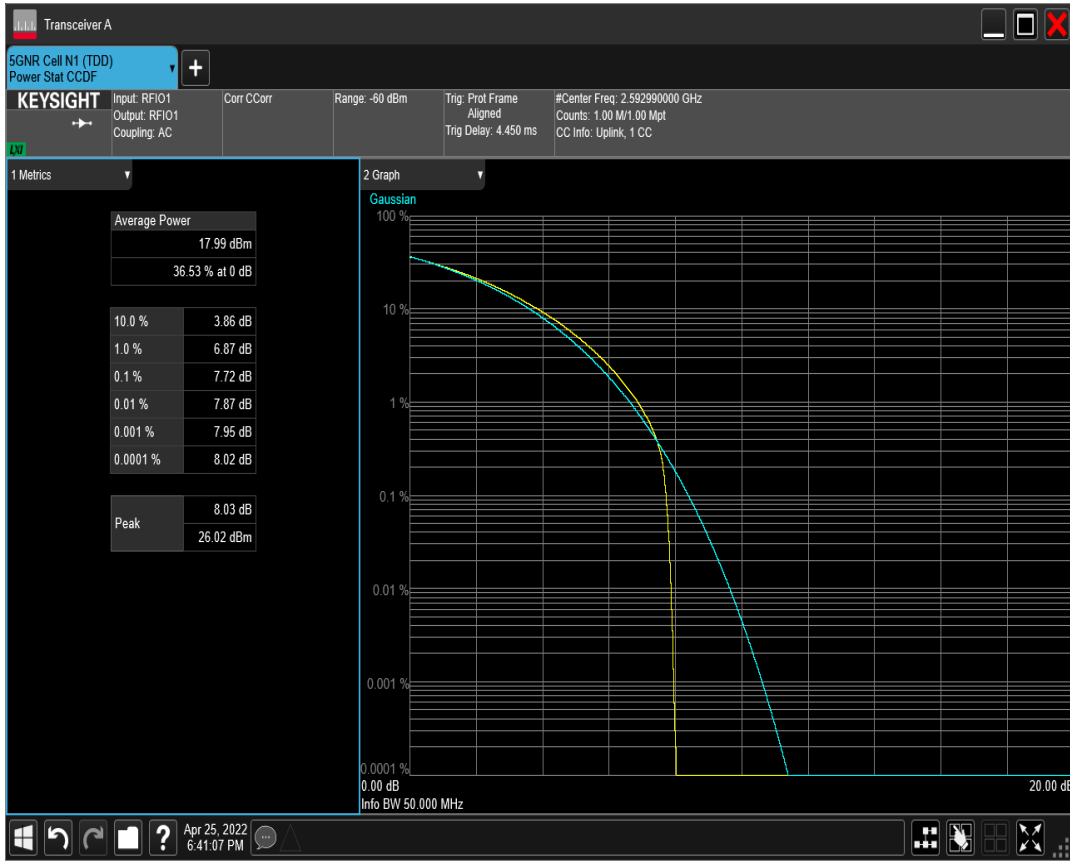
n41 SCS=30kHz CP\_QAM16 BW=50MHz Channel=518598 RB=133@0 ant1



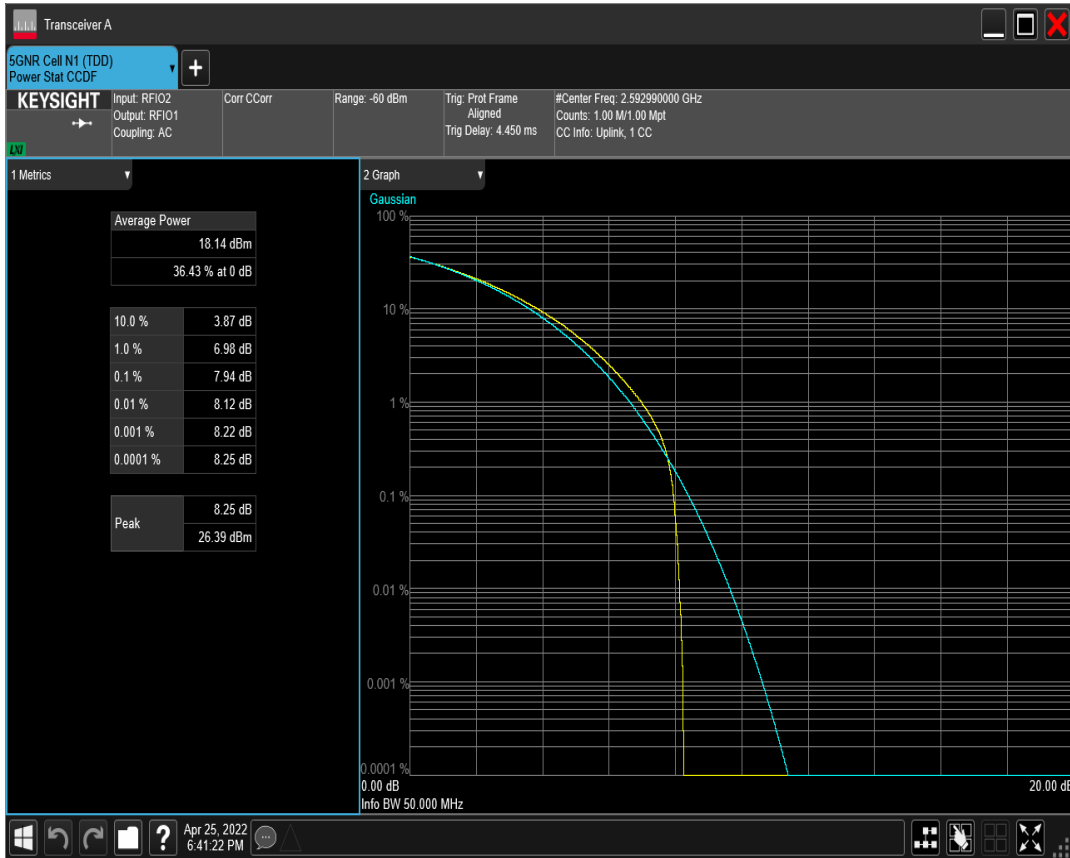
n41 SCS=30kHz CP\_QAM16 BW=50MHz Channel=518598 RB=133@0 ant2



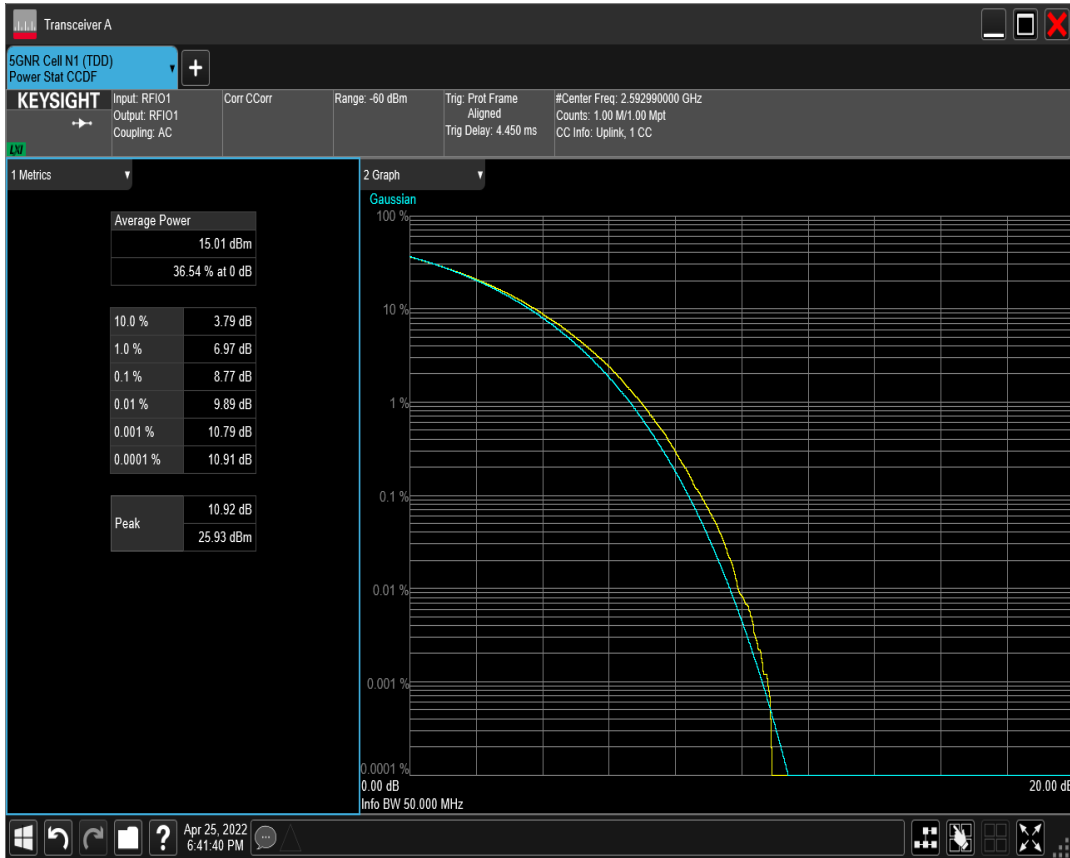
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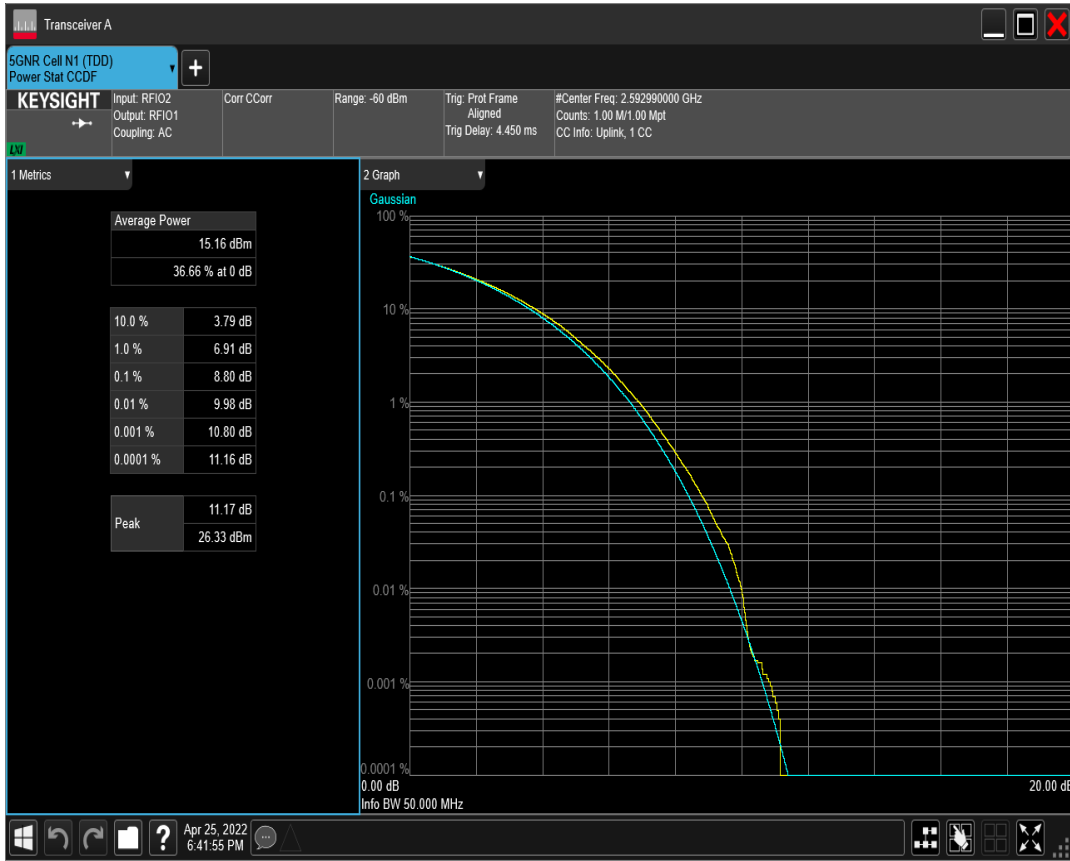
n41 SCS=30kHz CP\_QAM64 BW=50MHz Channel=518598 RB=133@0 ant2



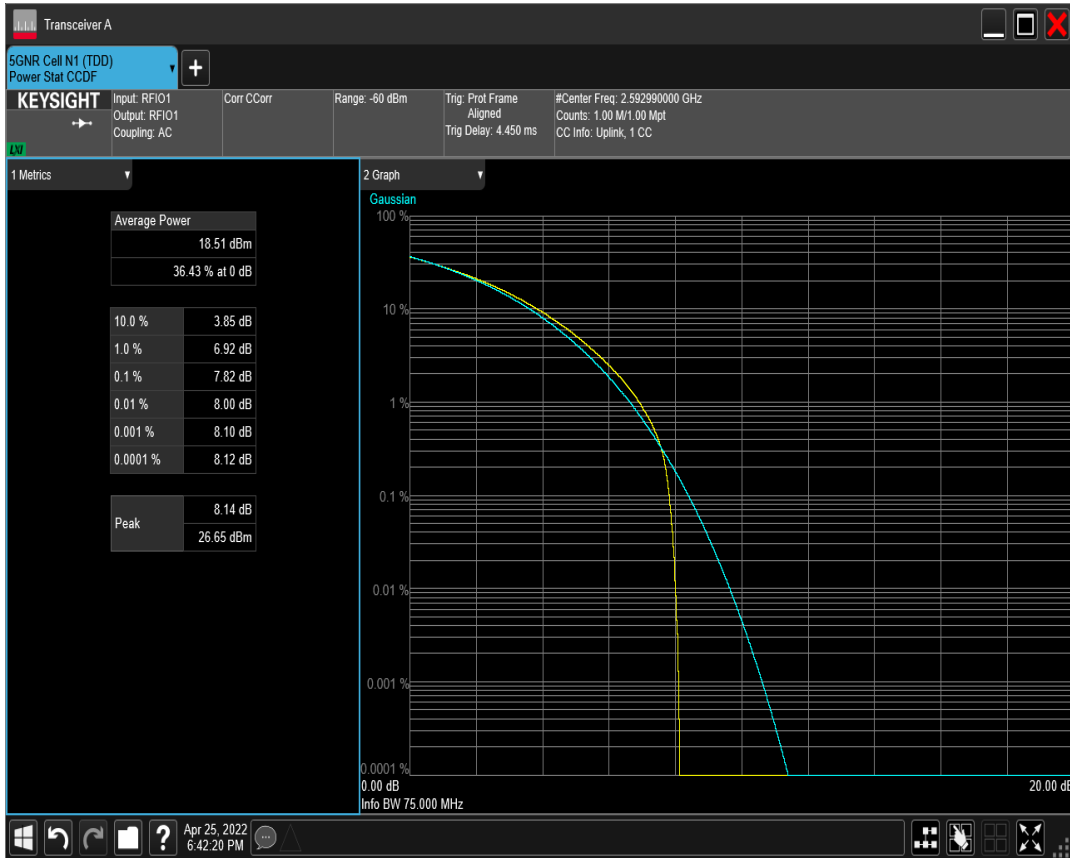
n41 SCS=30kHz CP\_QAM256 BW=50MHz Channel=518598 RB=133@0 ant1



n41 SCS=30kHz CP\_QAM256 BW=50MHz Channel=518598 RB=133@0 ant2

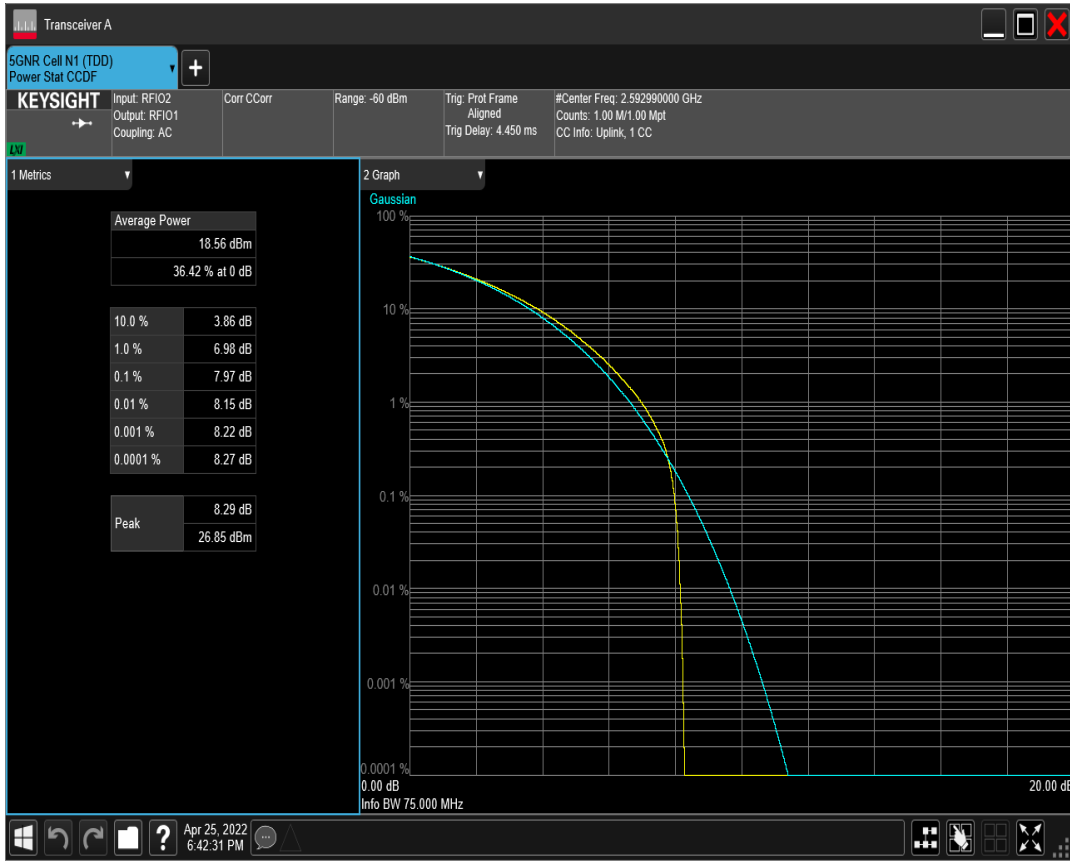


n41 SCS=30kHz CP\_QPSK BW=60MHz Channel=518598 RB=162@0 ant1

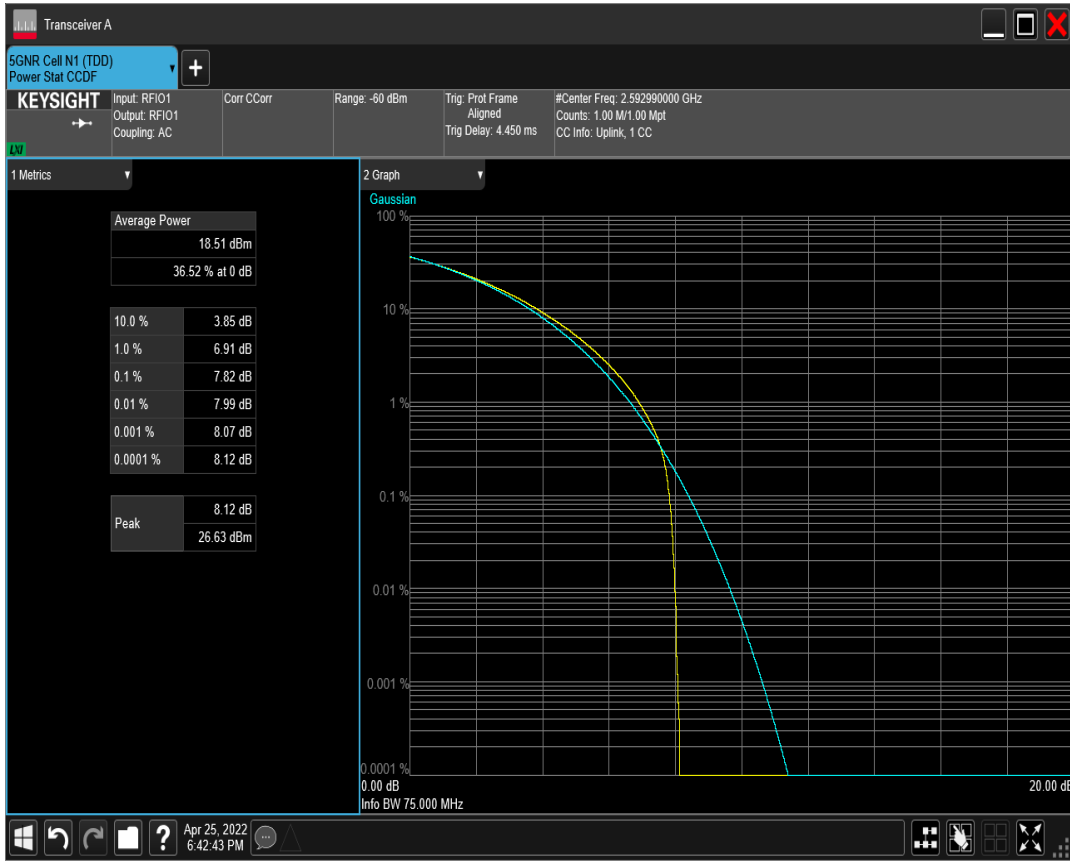


n41 SCS=30kHz CP\_QPSK BW=60MHz Channel=518598 RB=162@0 ant2

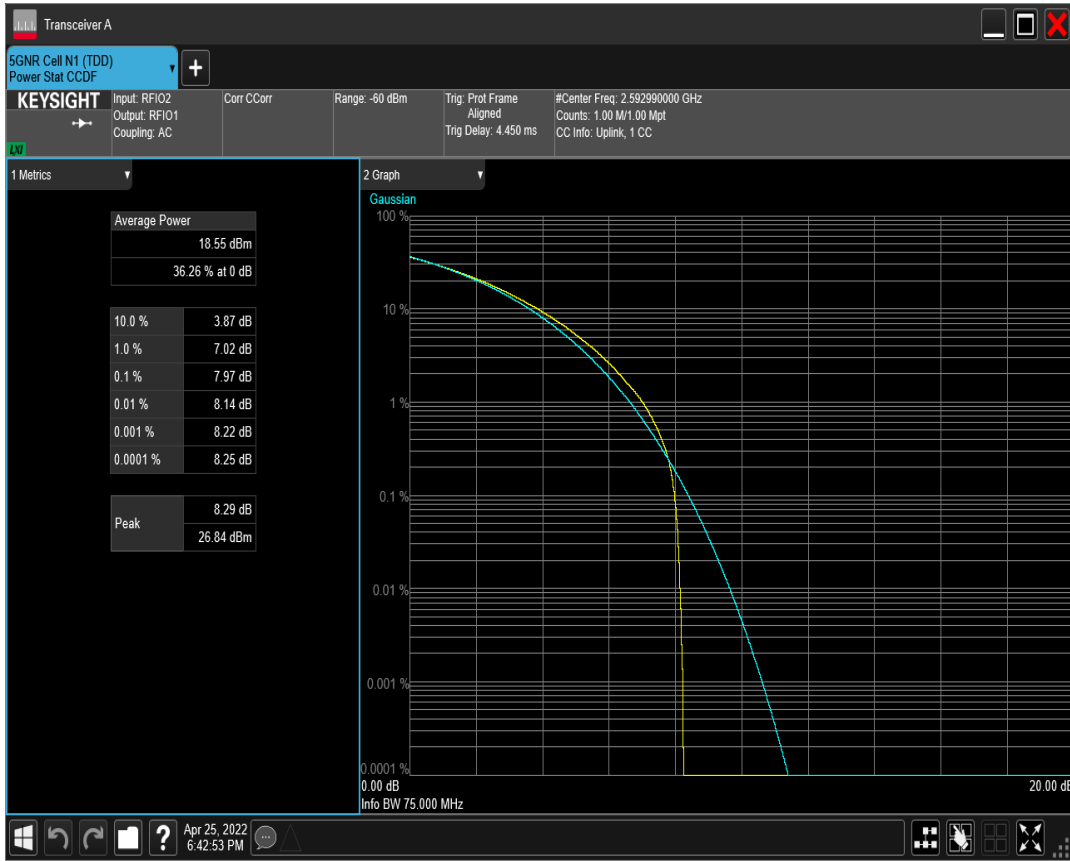




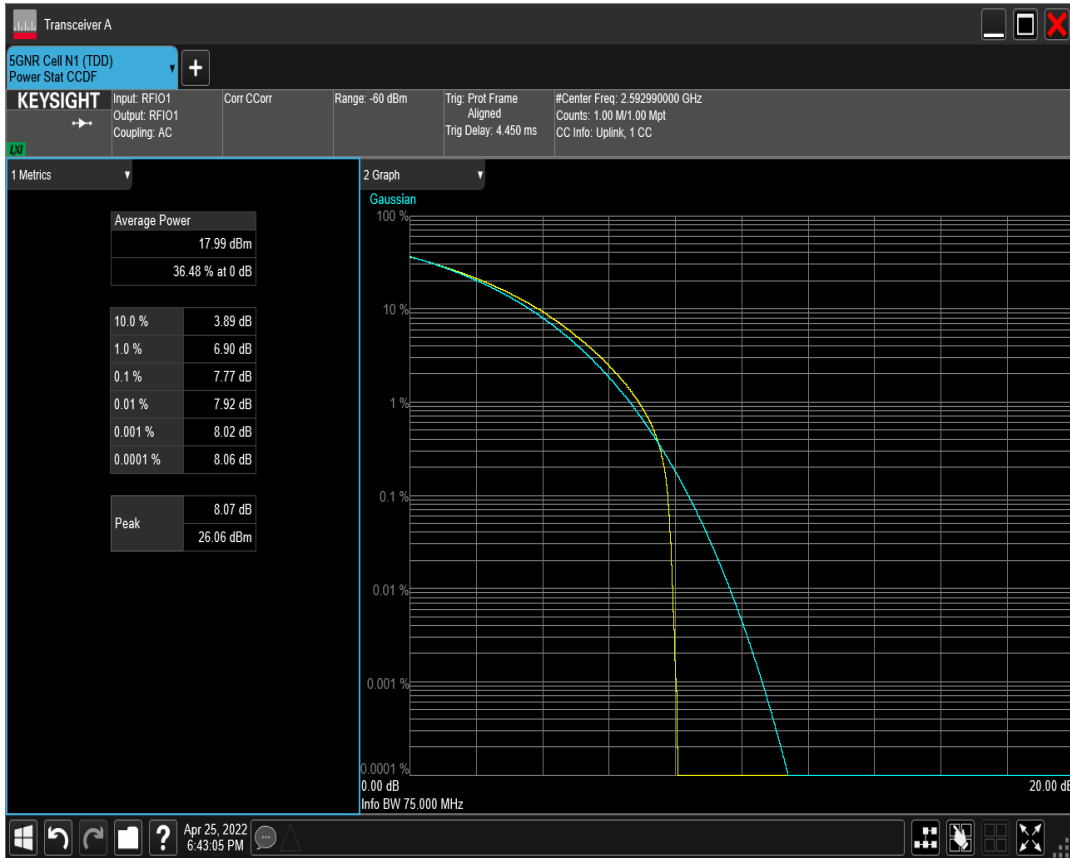
n41 SCS=30kHz CP\_QAM16 BW=60MHz Channel=518598 RB=162@0 ant1



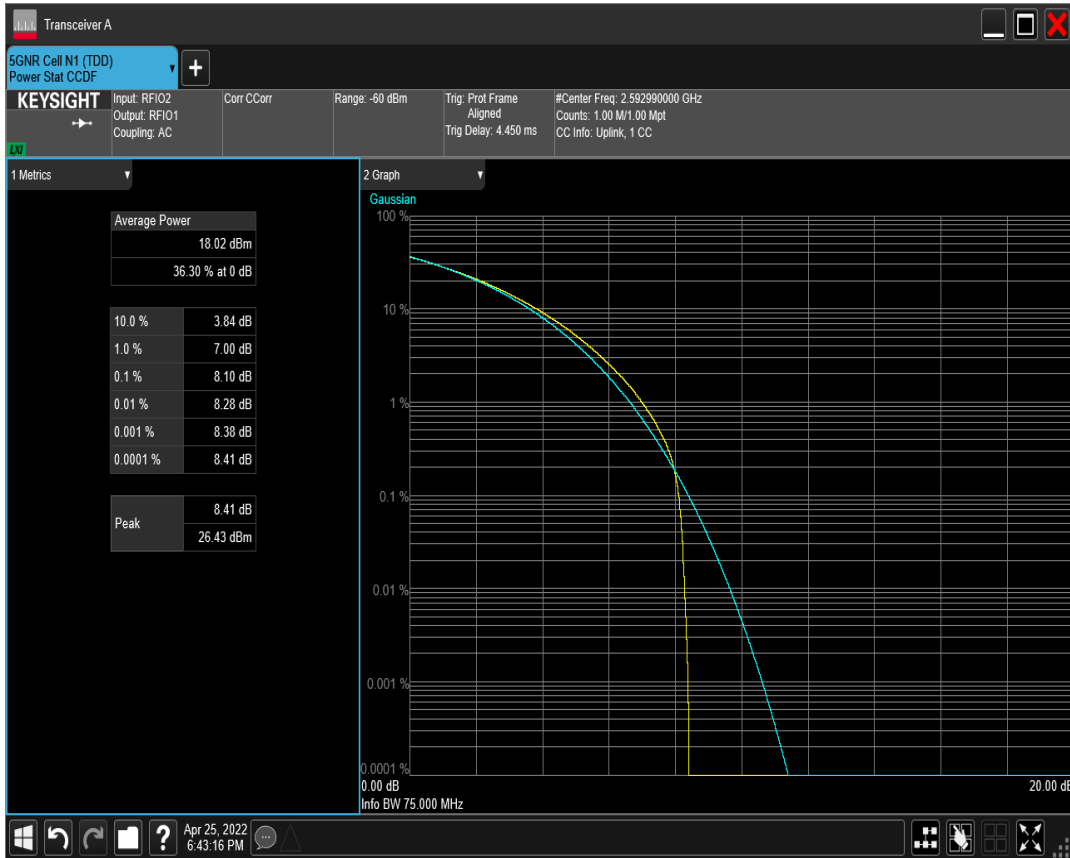
n41 SCS=30kHz CP\_QAM16 BW=60MHz Channel=518598 RB=162@0 ant2



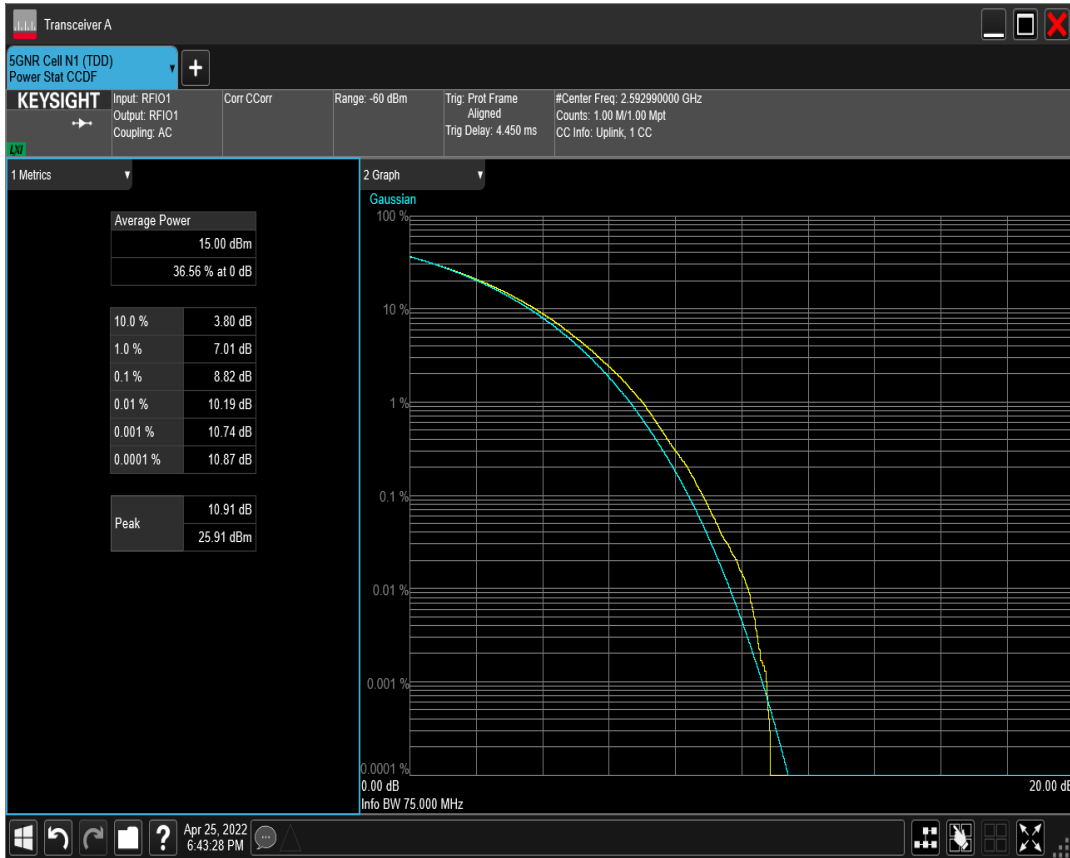
n41 SCS=30kHz CP\_QAM64 BW=60MHz Channel=518598 RB=162@0 ant1



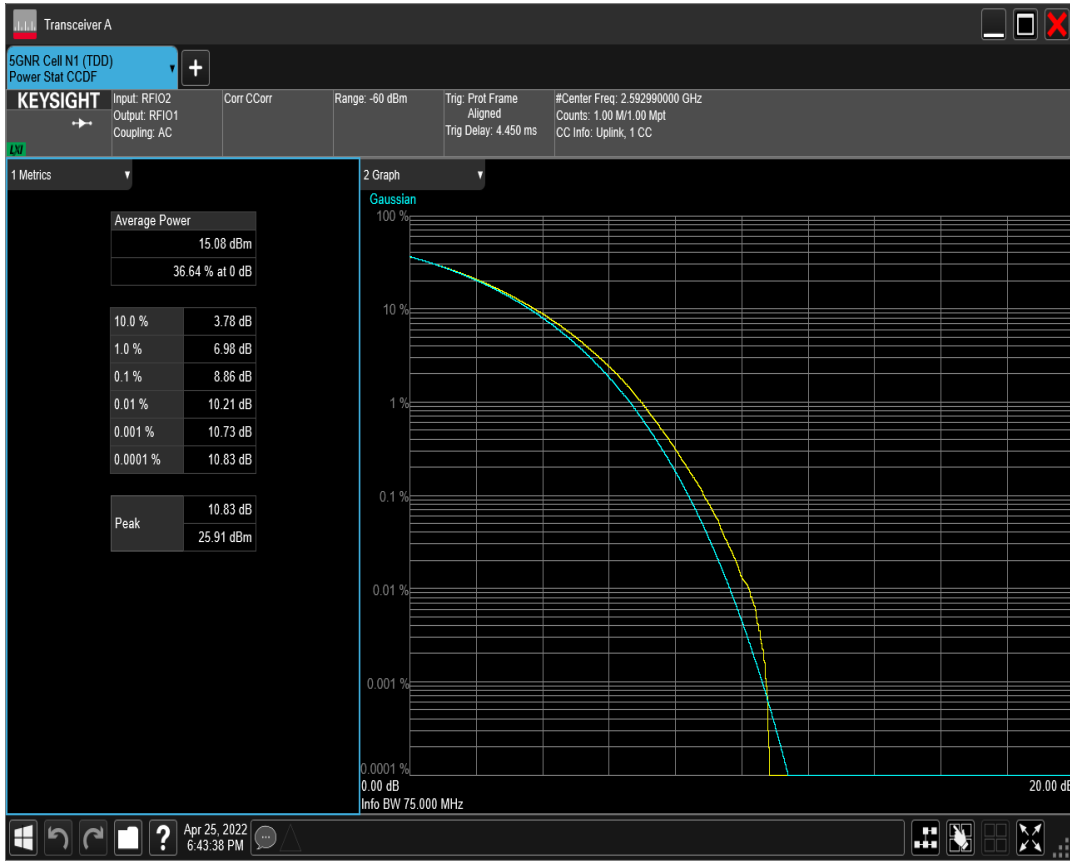
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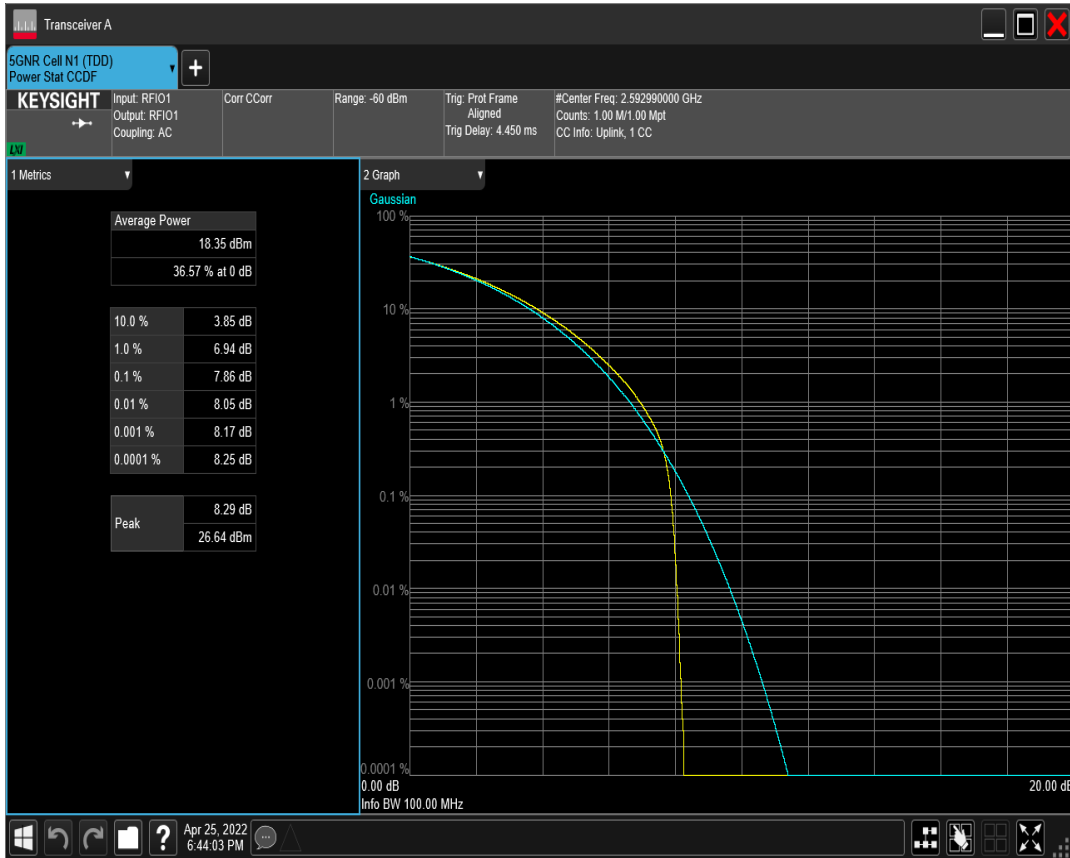
n41 SCS=30kHz CP\_QAM256 BW=60MHz Channel=518598 RB=162@0 ant1



n41 SCS=30kHz CP\_QAM256 BW=60MHz Channel=518598 RB=162@0 ant2

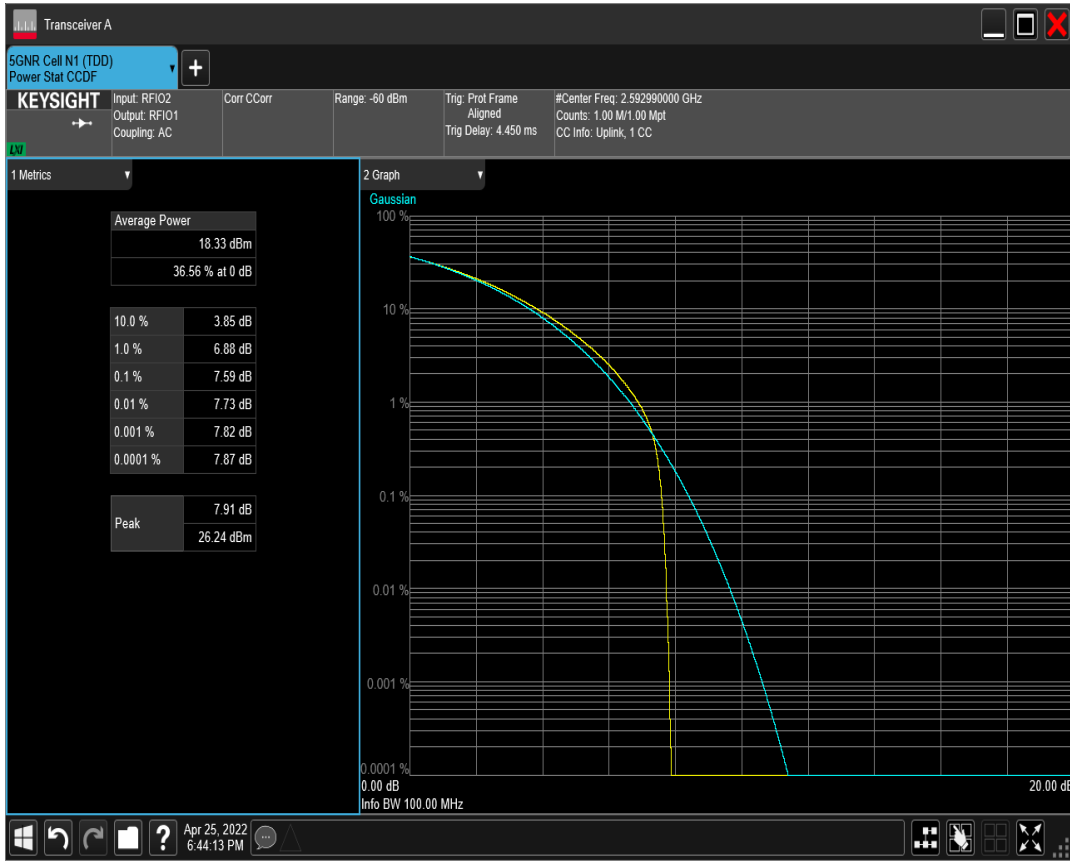


n41 SCS=30kHz CP\_QPSK BW=80MHz Channel=518598 RB=217@0 ant1

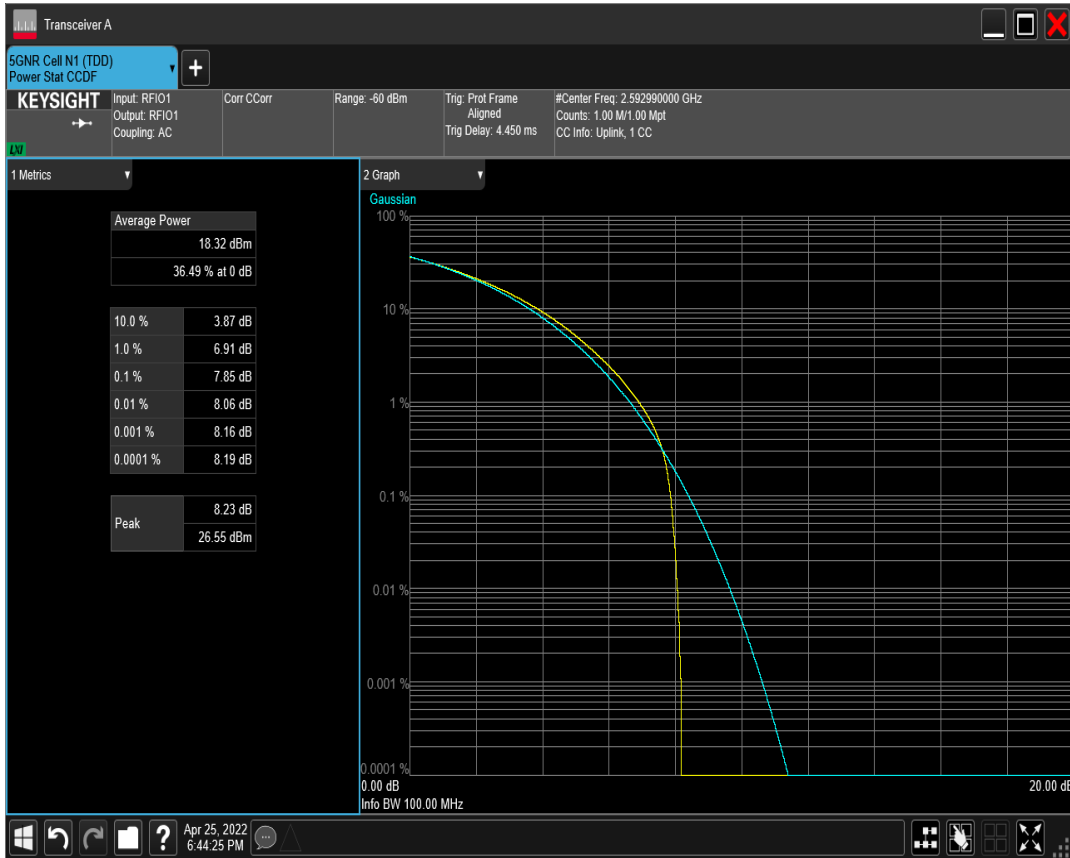


n41 SCS=30kHz CP\_QPSK BW=80MHz Channel=518598 RB=217 @0 ant2

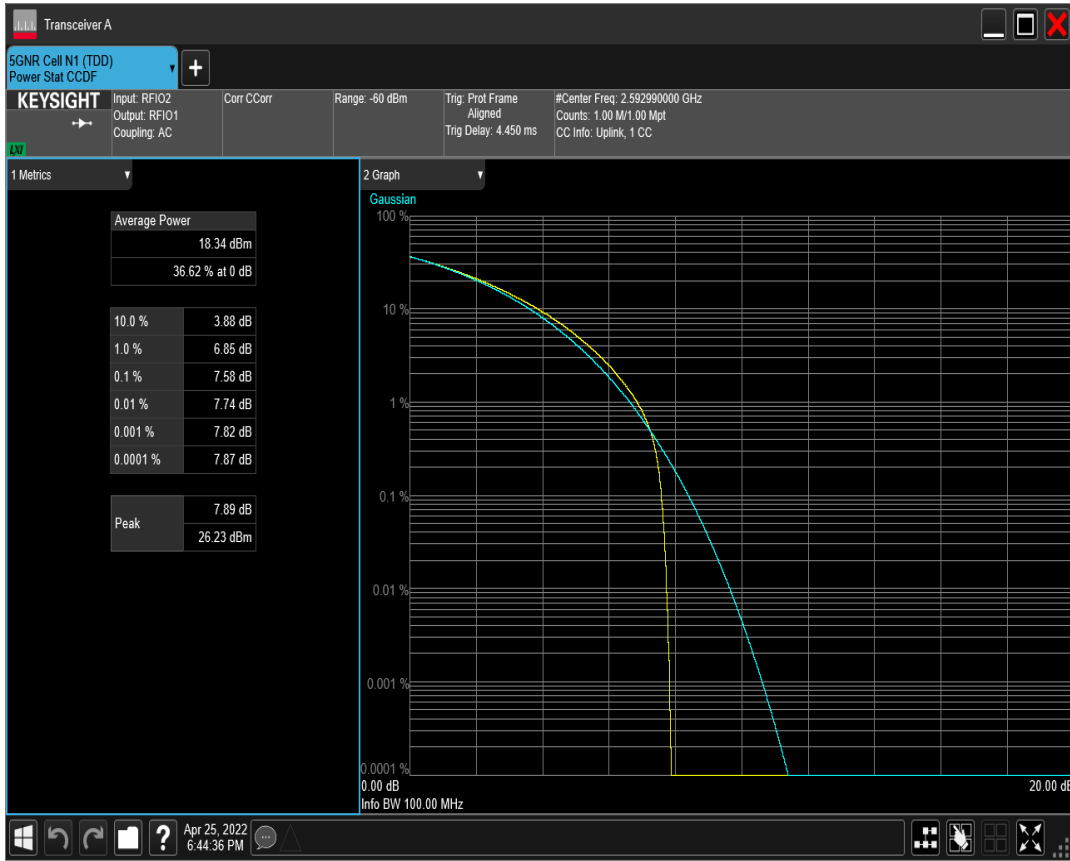




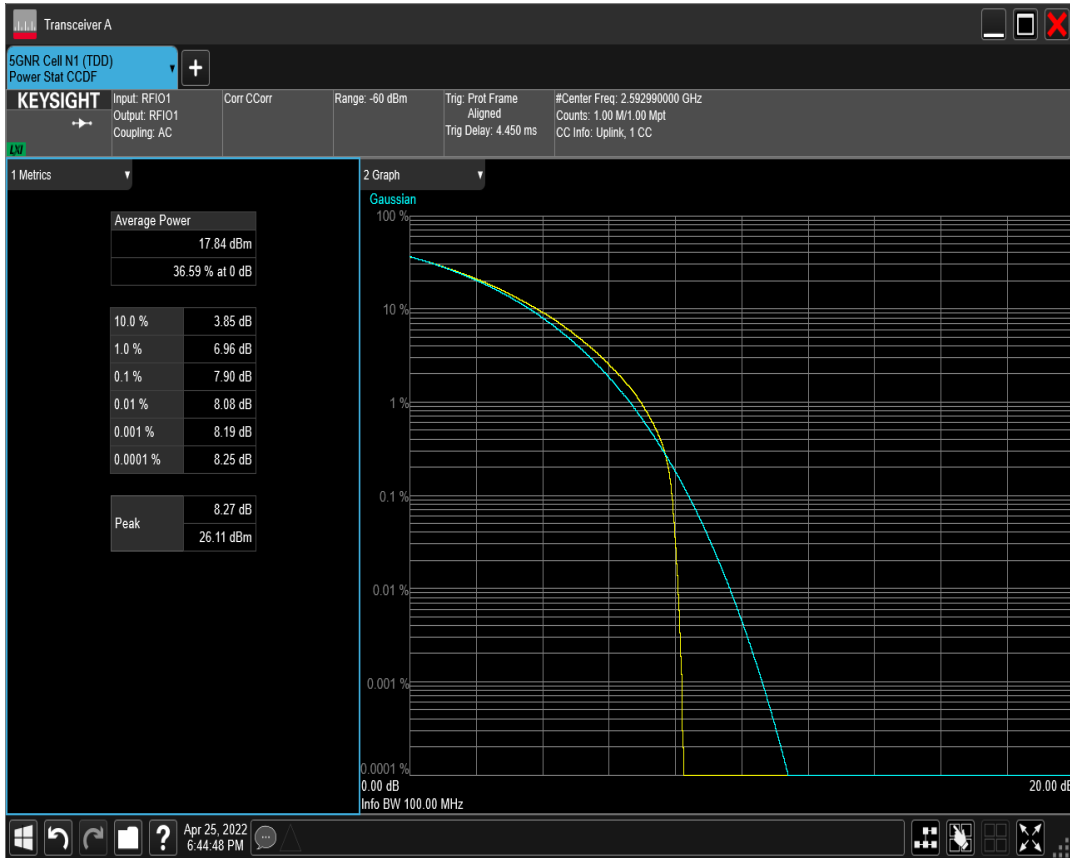
n41 SCS=30kHz CP\_QAM16 BW=80MHz Channel=518598 RB=217@0 ant1



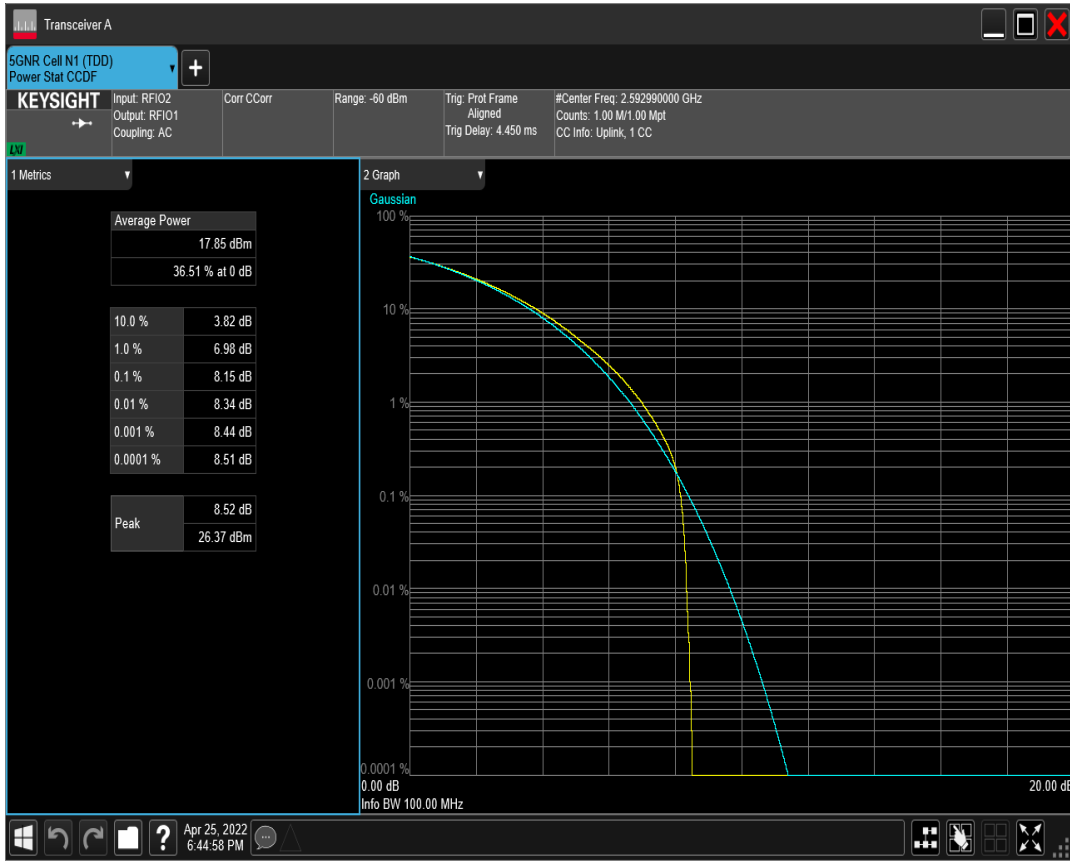
n41 SCS=30kHz CP\_QAM16 BW=80MHz Channel=518598 RB=217@0 ant2



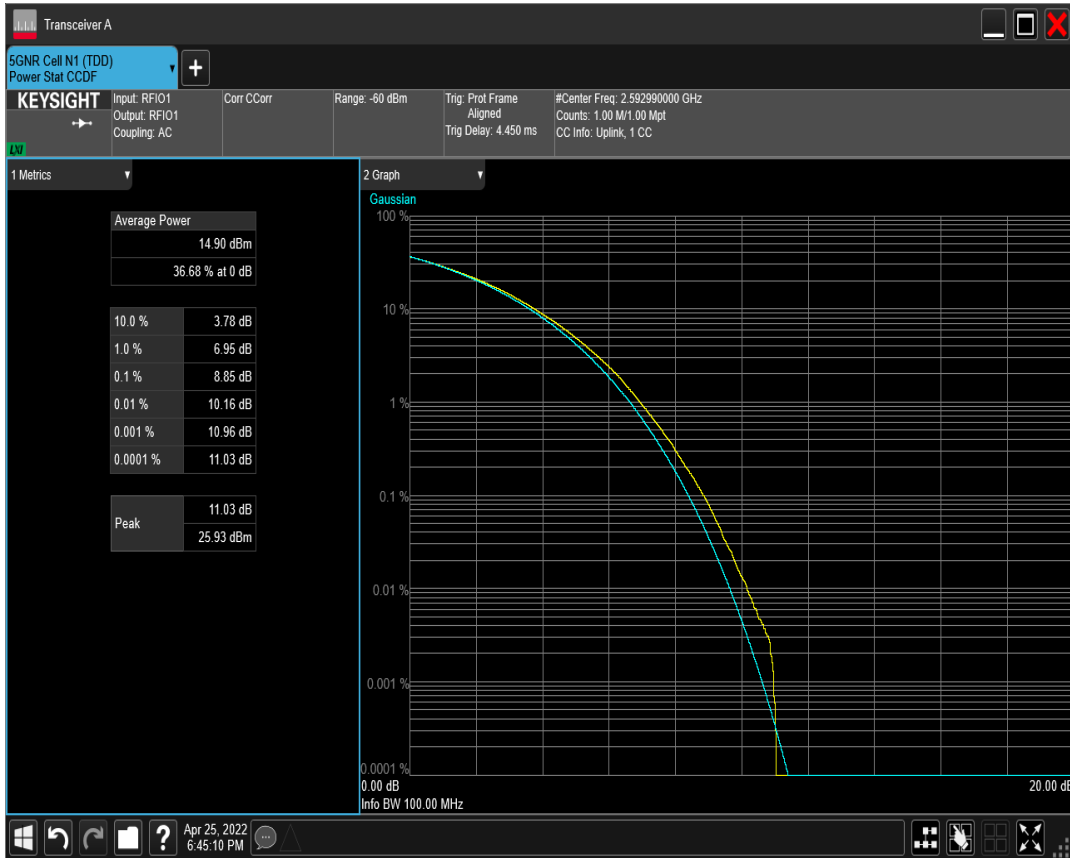
n41 SCS=30kHz CP\_QAM64 BW=80MHz Channel=518598 RB=217@0 ant1



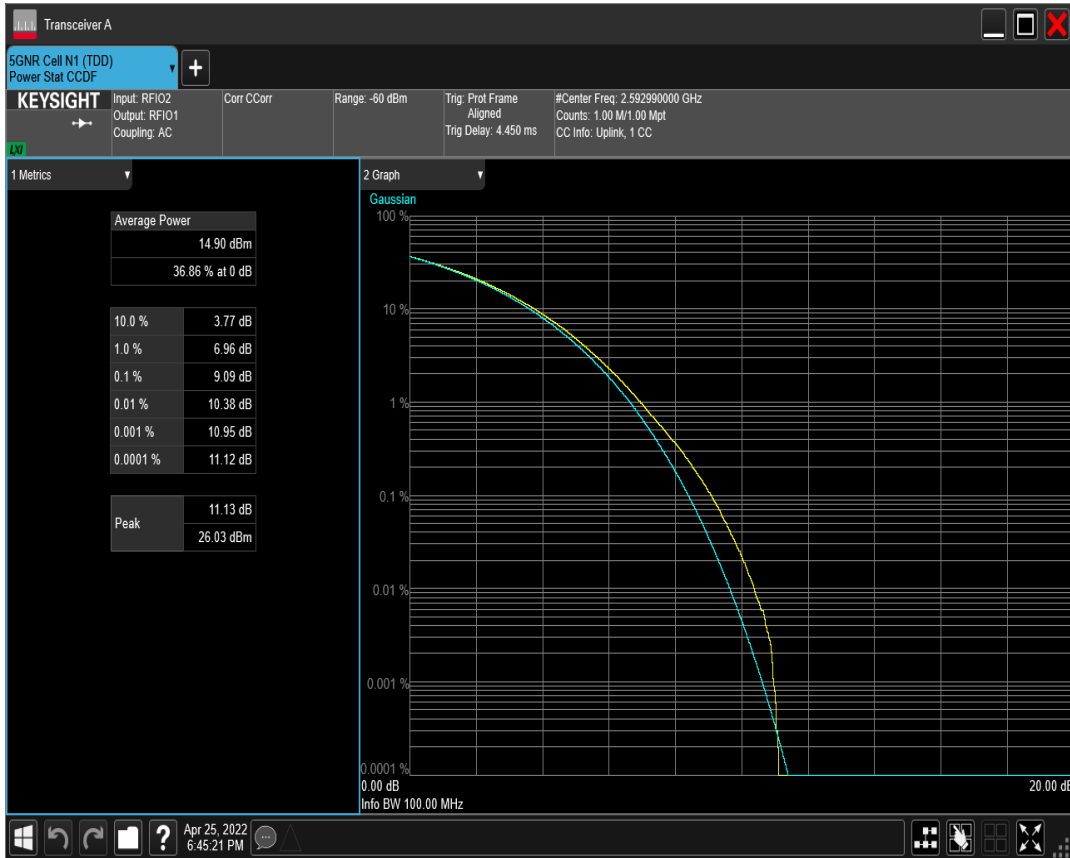
n41 SCS=30kHz CP\_QAM64 BW=80MHz Channel=518598 RB=217@0 ant2



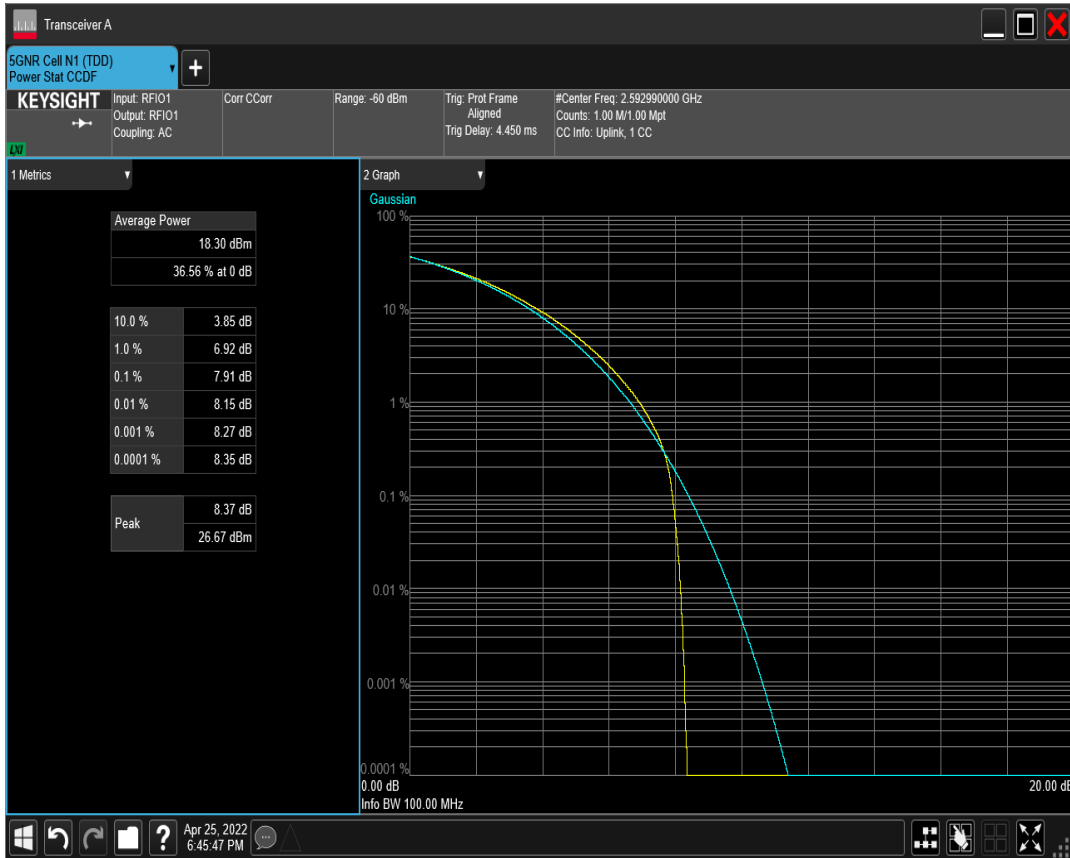
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n41 SCS=30kHz CP\_QAM256 BW=80MHz Channel=518598 RB=217 @0 ant2

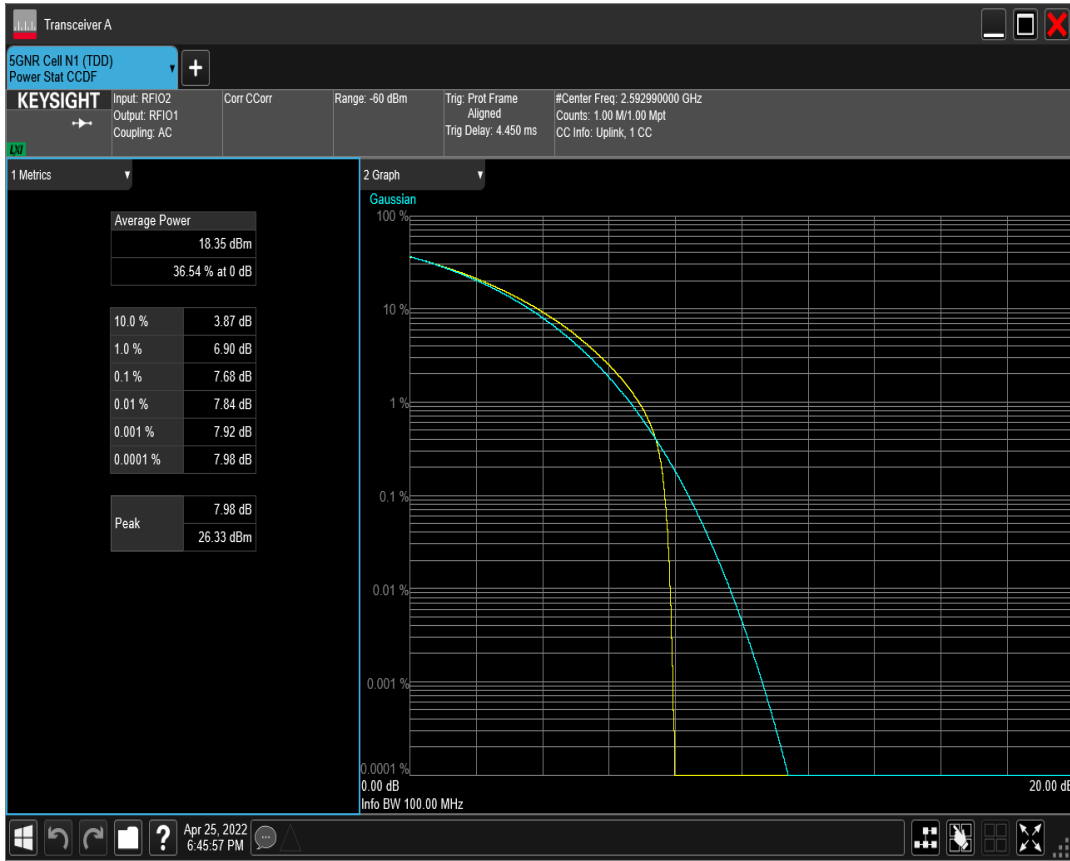


n41 SCS=30kHz CP\_QPSK BW=90MHz Channel=518598 RB=245@0 ant1

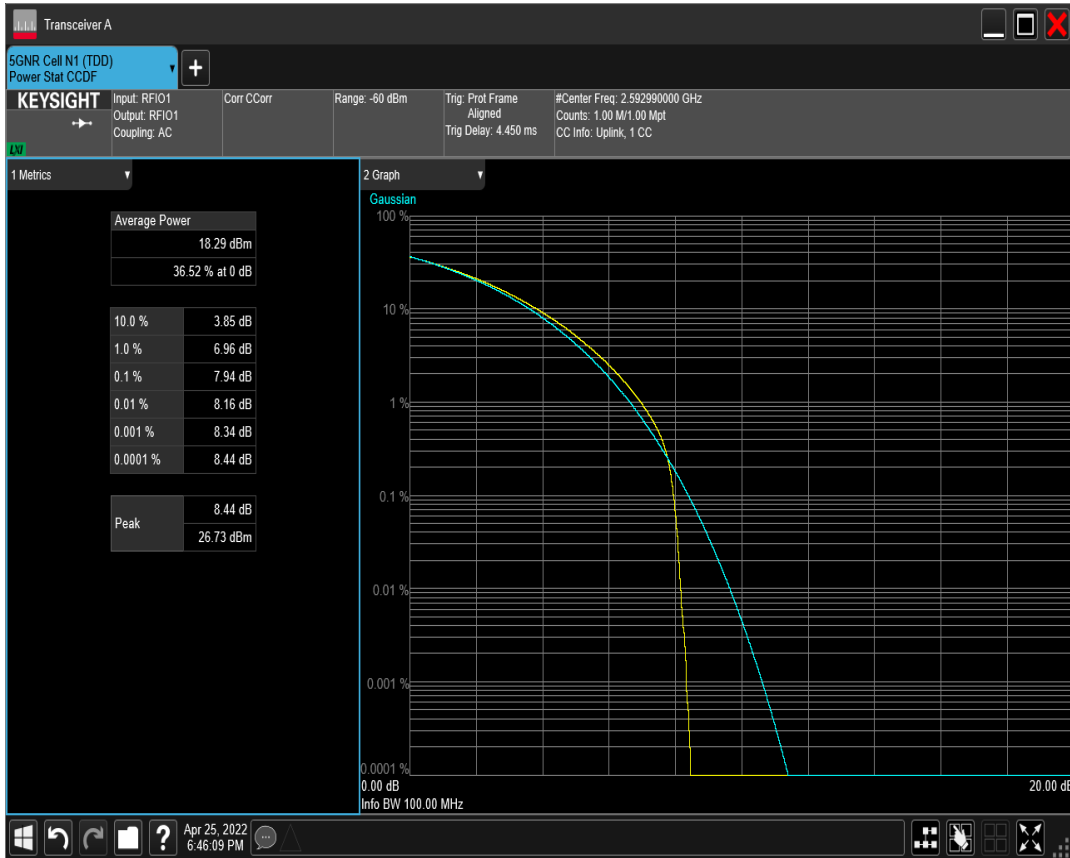


n41 SCS=30kHz CP\_QPSK BW=90MHz Channel=518598 RB=245@0 ant2

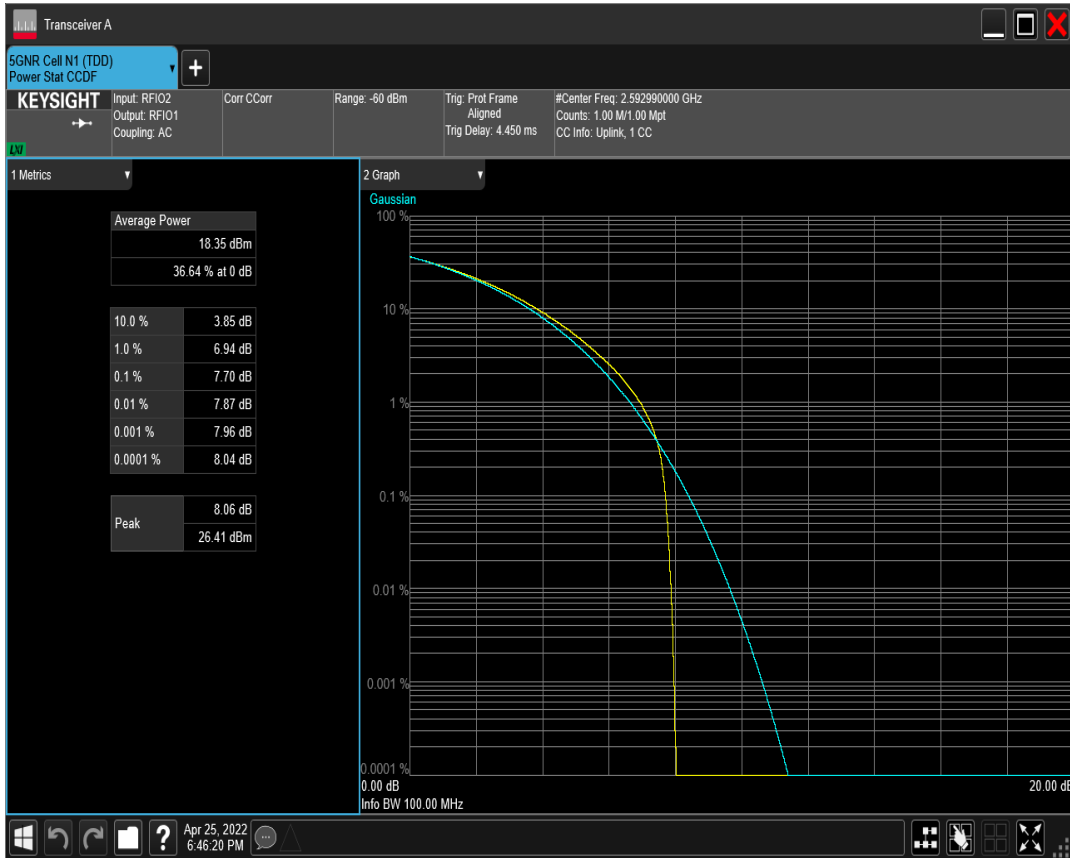




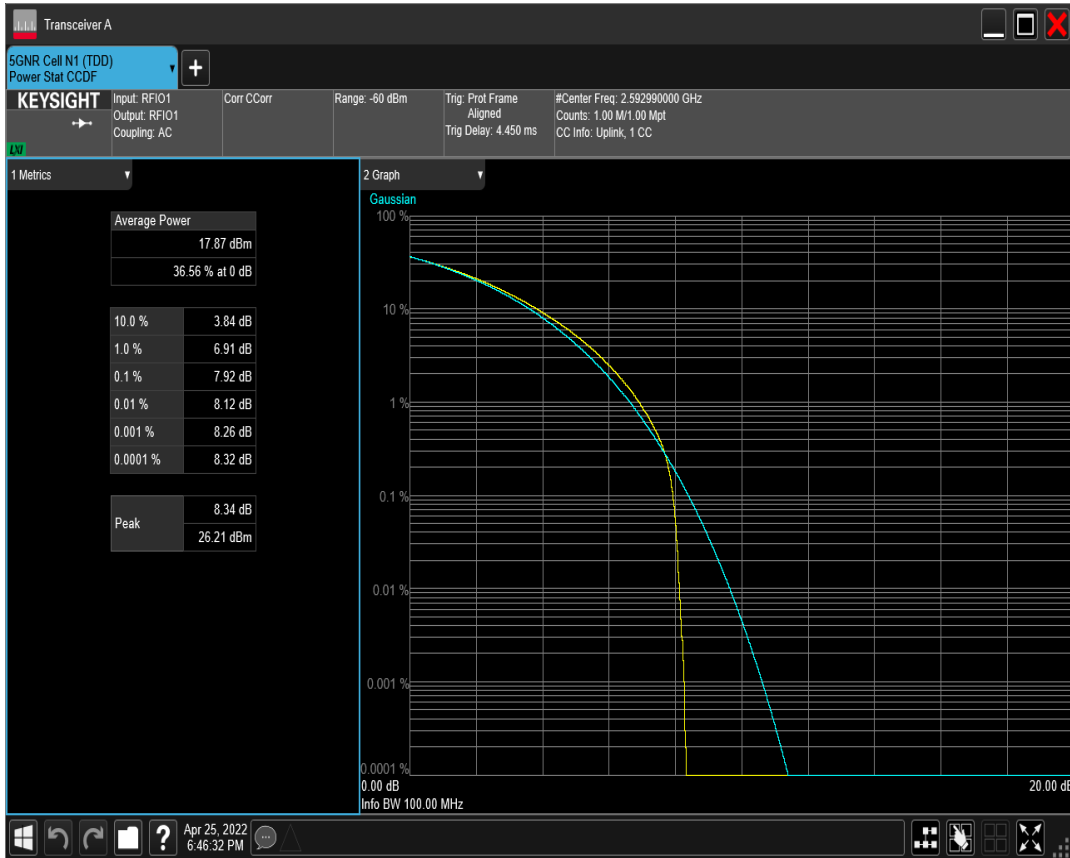
n41 SCS=30kHz CP\_QAM16 BW=90MHz Channel=518598 RB=245@0 ant1



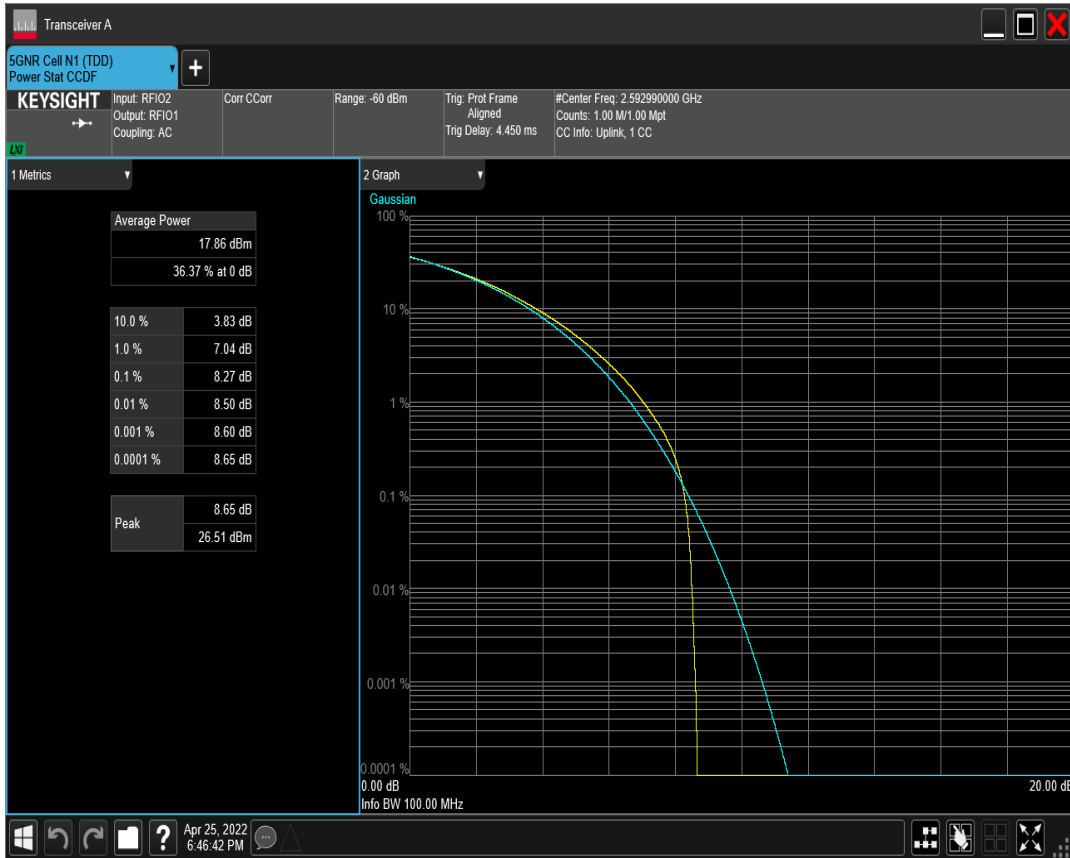
n41 SCS=30kHz CP\_QAM16 BW=90MHz Channel=518598 RB=245@0 ant2



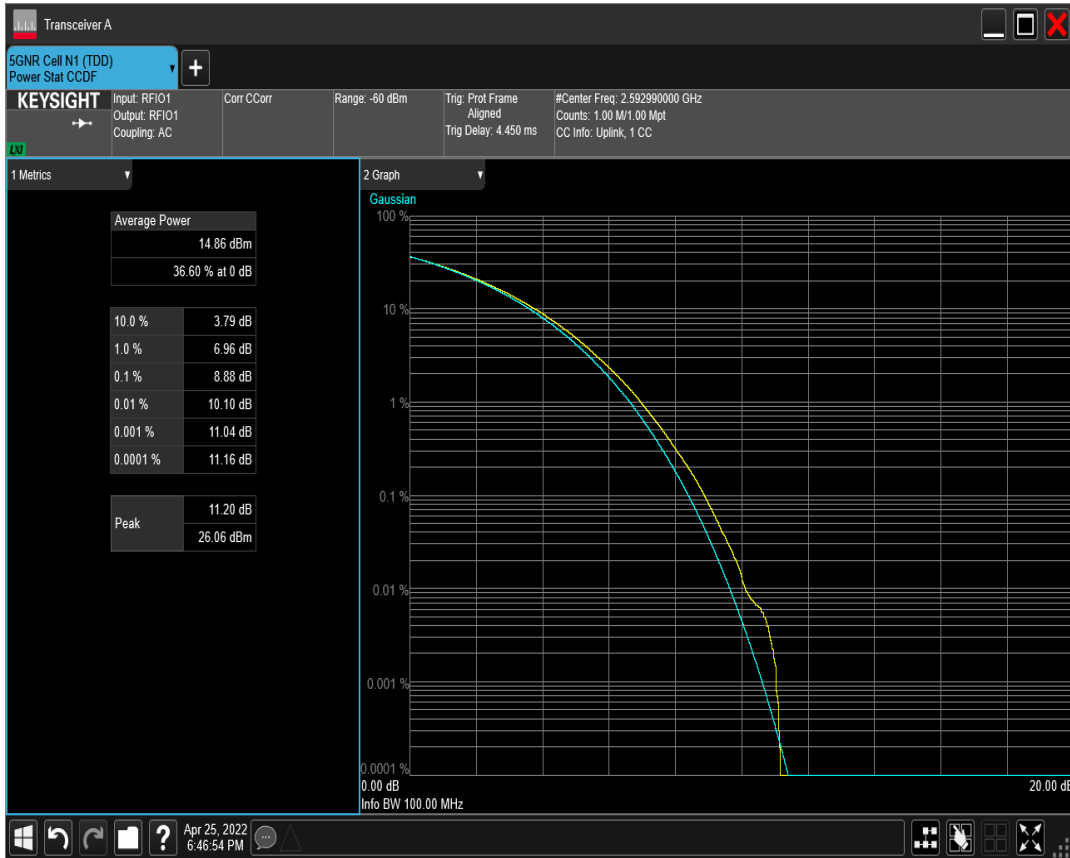
n41 SCS=30kHz CP\_QAM64 BW=90MHz Channel=518598 RB=245@0 ant1



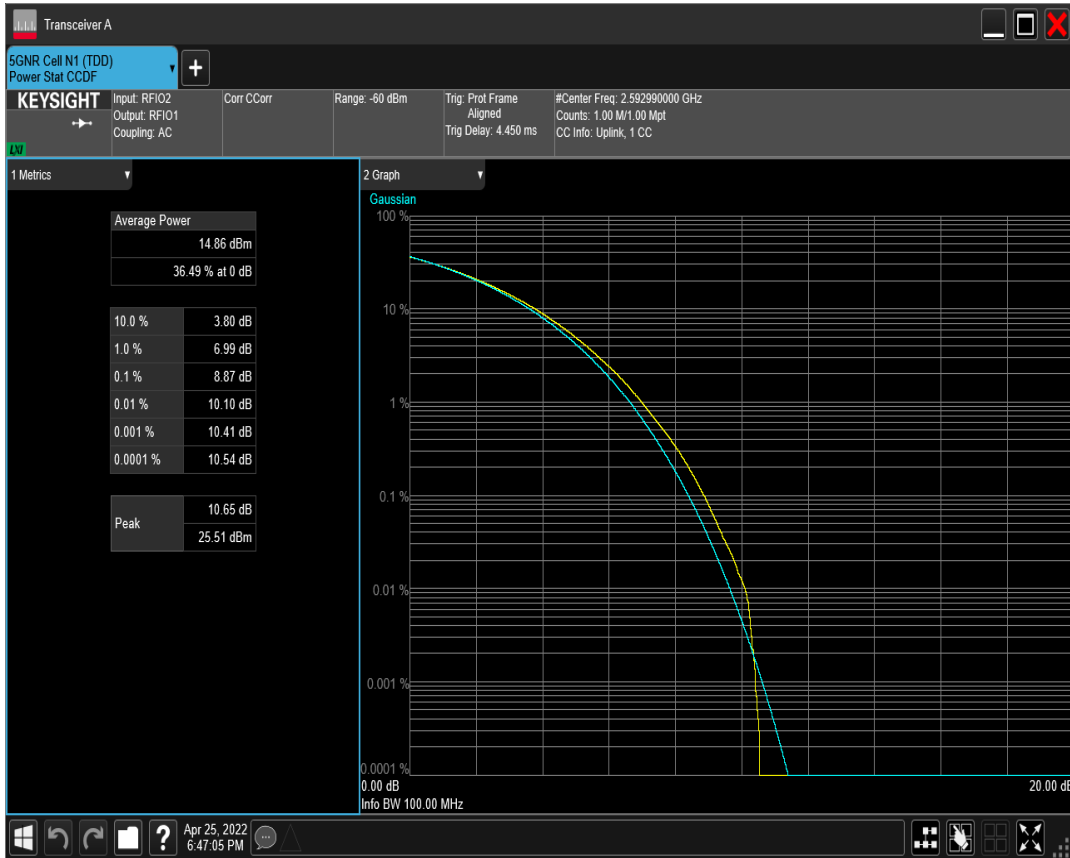
n41 SCS=30kHz CP\_QAM64 BW=90MHz Channel=518598 RB=245@0 ant2



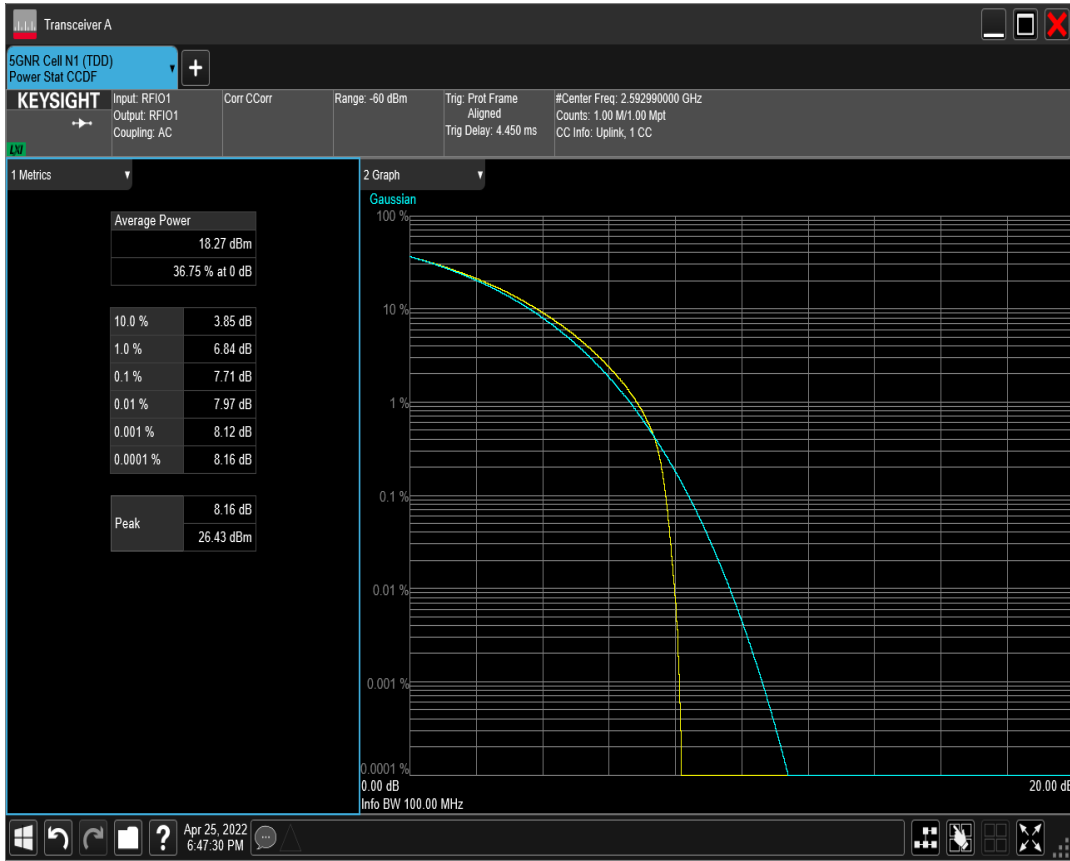
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n41 SCS=30kHz CP\_QAM256 BW=90MHz Channel=518598 RB=245@0 ant2

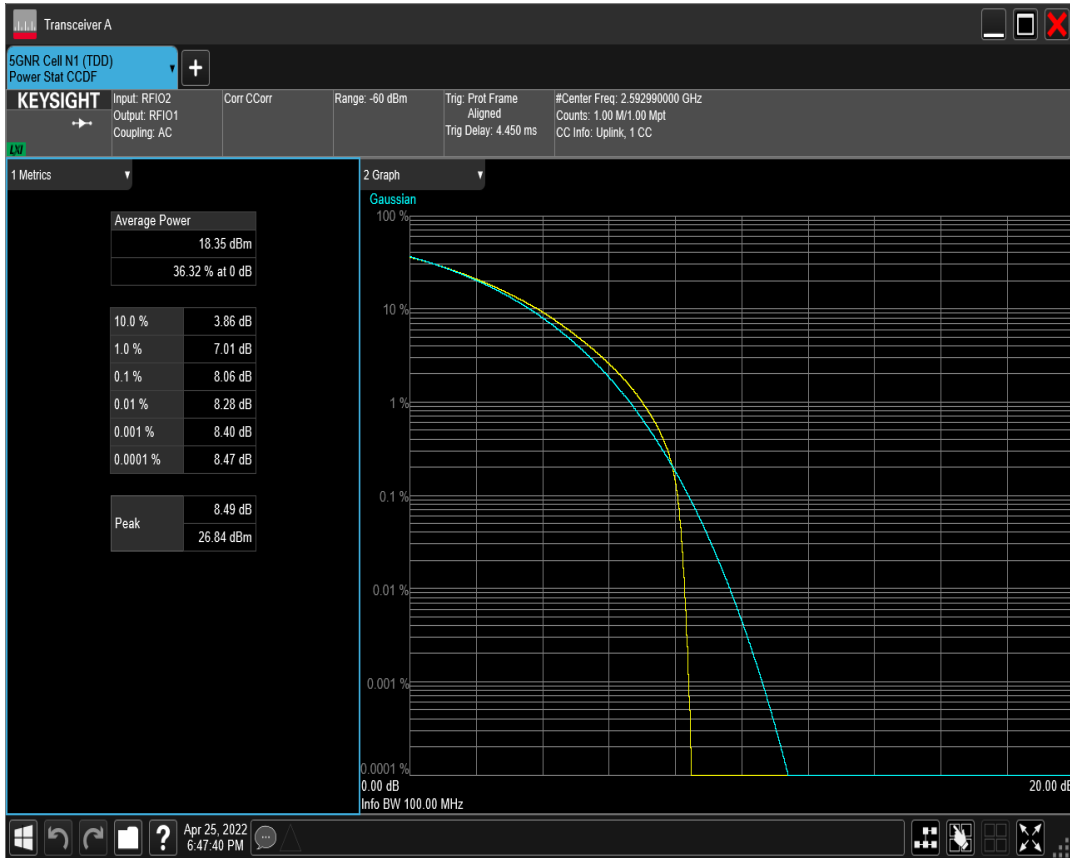


n41 SCS=30kHz CP\_QPSK BW=100MHz Channel=518598 RB=273@0 ant1

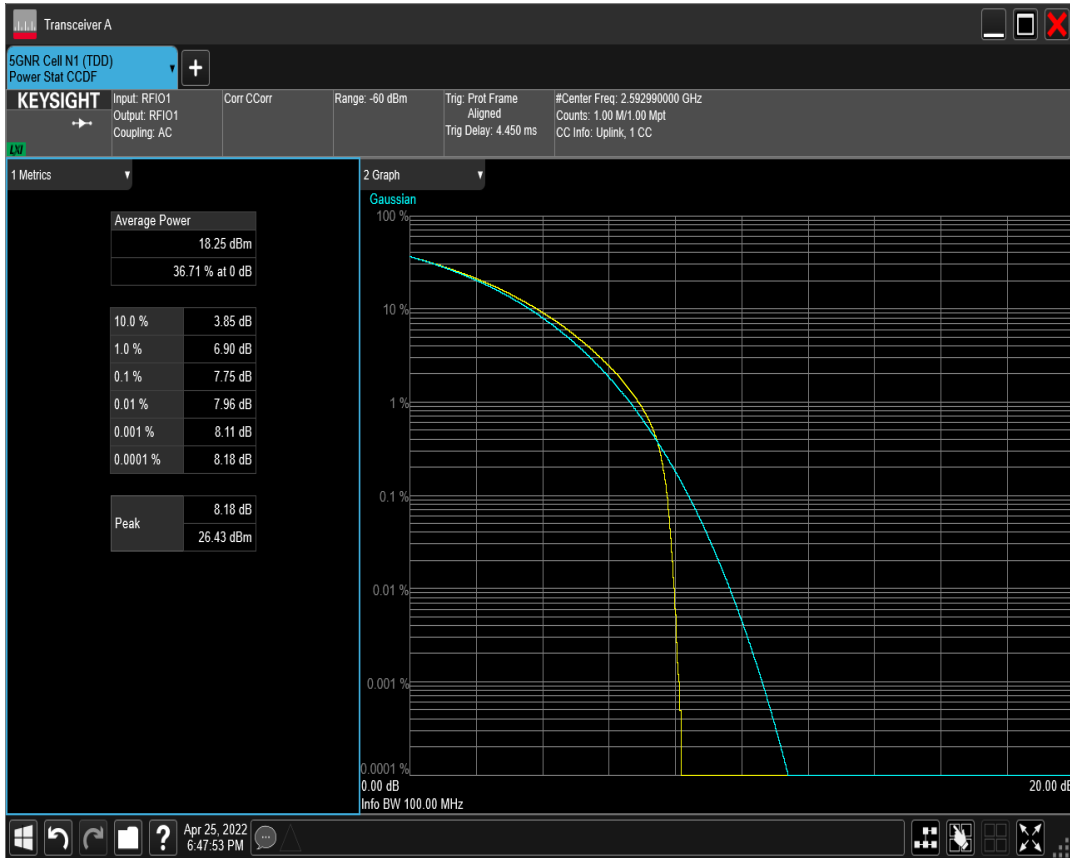


n41 SCS=30kHz CP\_QPSK BW=100MHz Channel=518598 RB=273@0 ant2

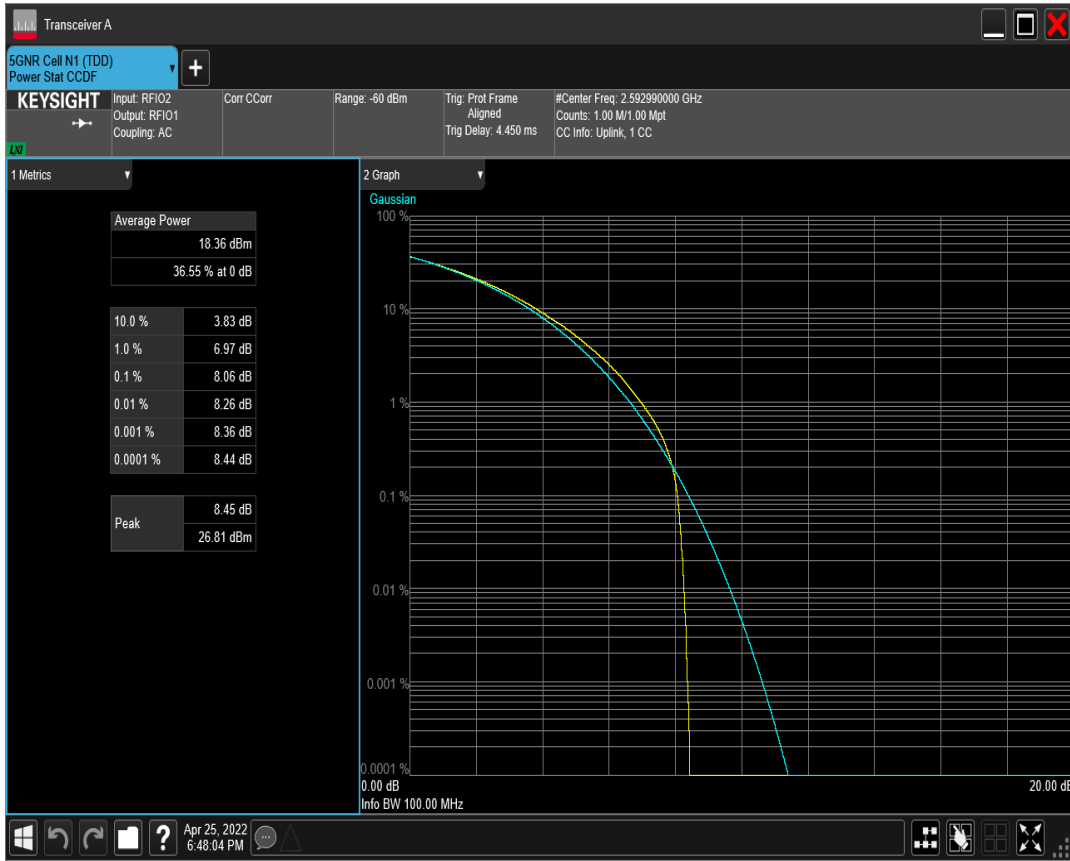




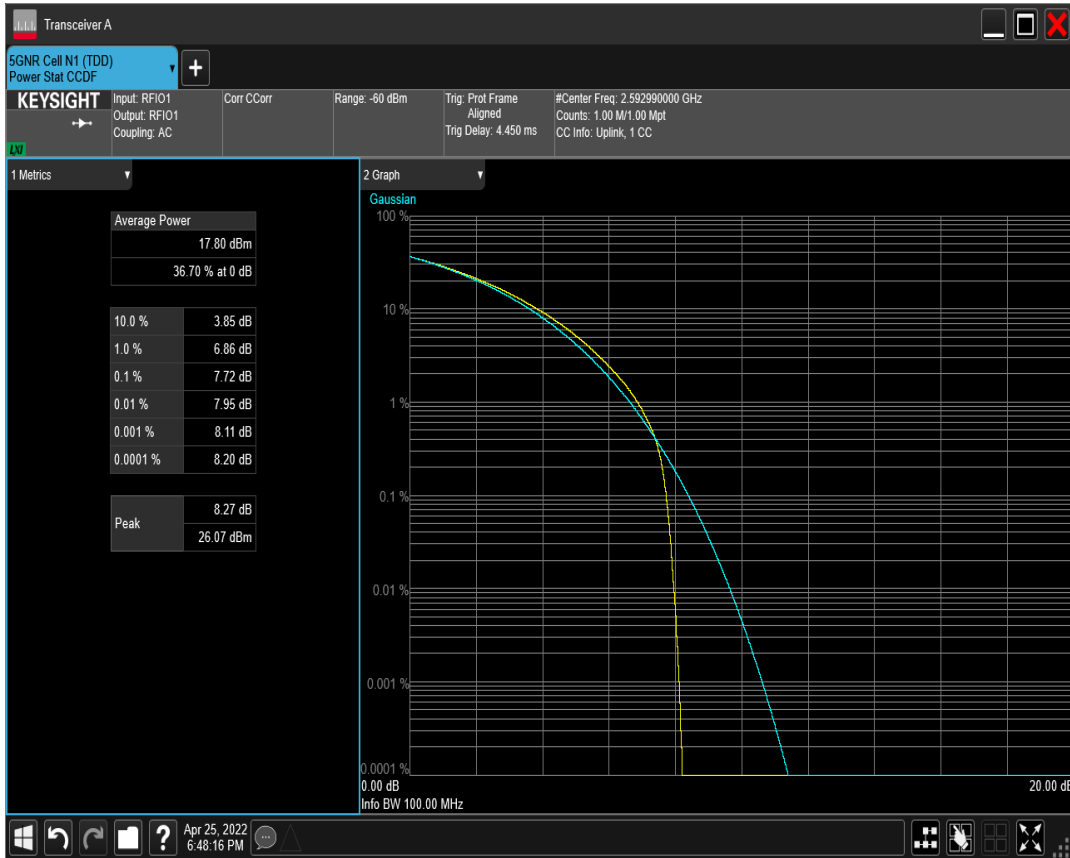
n41 SCS=30kHz CP\_QAM16 BW=100MHz Channel=518598 RB=273@0 ant1



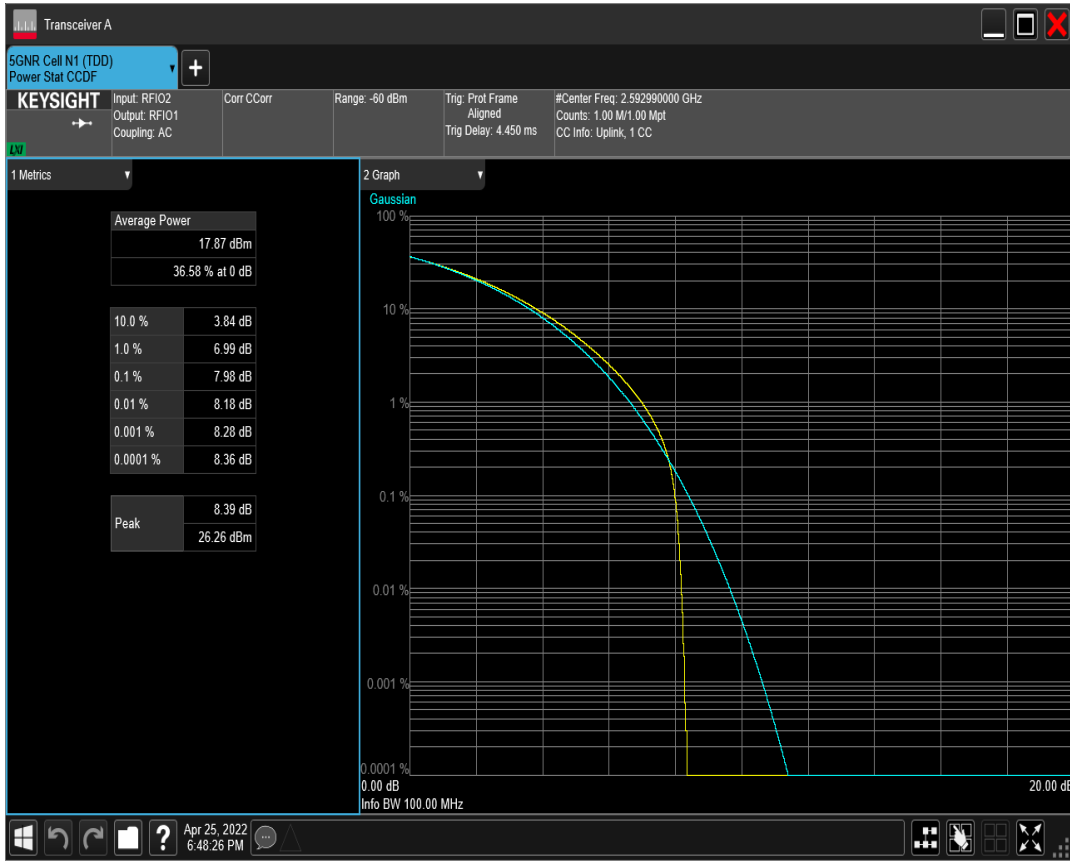
n41 SCS=30kHz CP\_QAM16 BW=100MHz Channel=518598 RB=273@0 ant2



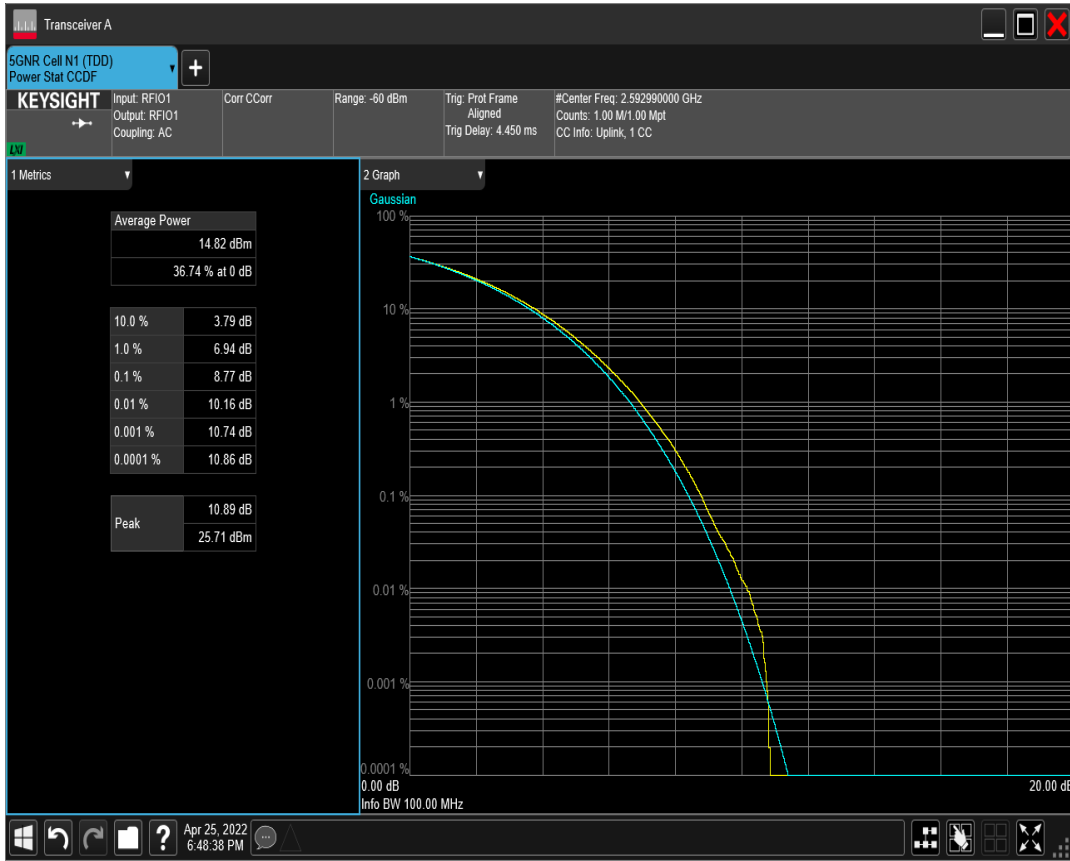
n41 SCS=30kHz CP\_QAM64 BW=100MHz Channel=518598 RB=273@0 ant1



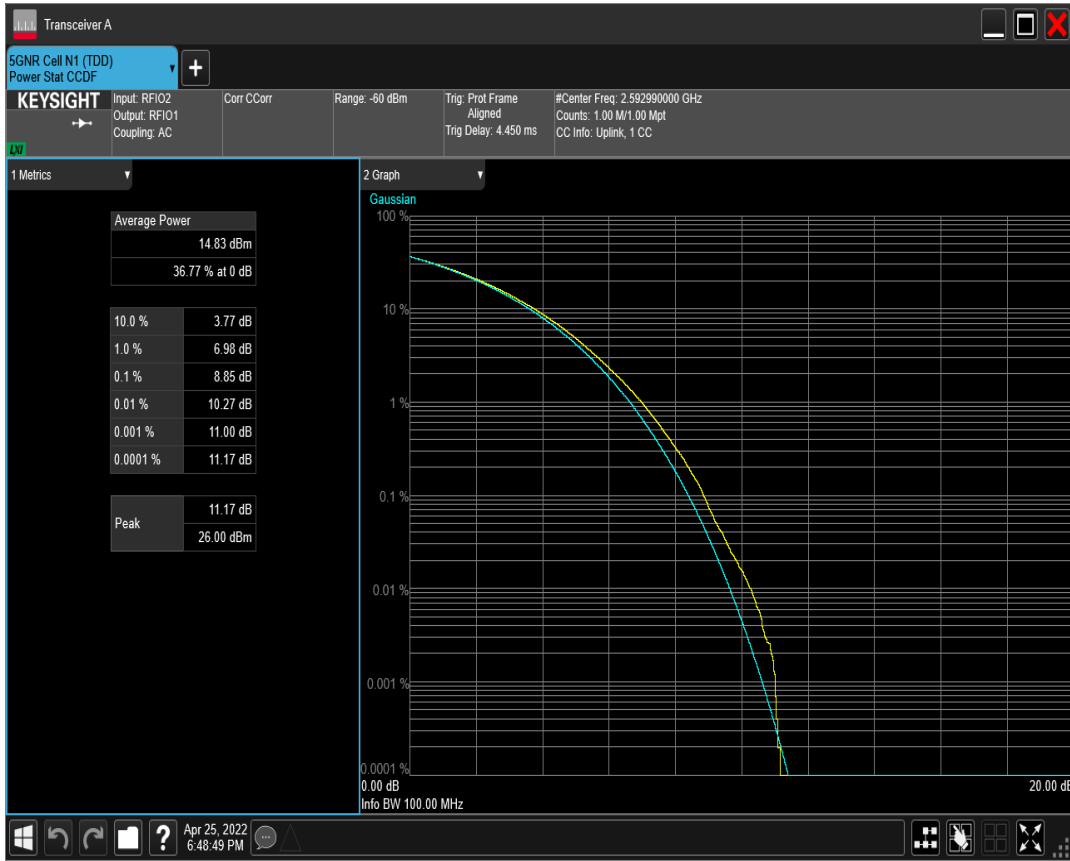
n41 SCS=30kHz CP\_QAM64 BW=100MHz Channel=518598 RB=273@0 ant2



n41 SCS=30kHz CP\_QAM256 BW=100MHz Channel=518598 RB=273@0 ant1



n41 SCS=30kHz CP\_QAM256 BW=100MHz Channel=518598 RB=273@0 ant2



**4 Occupied bandwidth for NR FR1 UL-MIMO**

Band	Ant	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n41	ant1	30	20	501204	51@0	CP_QPSK	18.320	19.430	PASS
n41	ant2	30	20	501204	51@0	CP_QPSK	18.270	19.350	PASS
n41	ant1	30	20	501204	51@0	CP_QAM16	18.270	19.390	PASS
n41	ant2	30	20	501204	51@0	CP_QAM16	18.260	19.300	PASS
n41	ant1	30	20	501204	51@0	CP_QAM64	18.320	19.360	PASS
n41	ant2	30	20	501204	51@0	CP_QAM64	18.270	19.310	PASS
n41	ant1	30	20	501204	51@0	CP_QAM256	18.320	19.360	PASS
n41	ant2	30	20	501204	51@0	CP_QAM256	18.320	19.370	PASS
n41	ant1	30	20	518598	51@0	CP_QPSK	18.280	19.420	PASS
n41	ant2	30	20	518598	51@0	CP_QPSK	18.280	19.350	PASS
n41	ant1	30	20	518598	51@0	CP_QAM16	18.270	19.350	PASS
n41	ant2	30	20	518598	51@0	CP_QAM16	18.270	19.330	PASS
n41	ant1	30	20	518598	51@0	CP_QAM64	18.320	19.380	PASS
n41	ant2	30	20	518598	51@0	CP_QAM64	18.320	19.330	PASS
n41	ant1	30	20	518598	51@0	CP_QAM256	18.320	19.370	PASS
n41	ant2	30	20	518598	51@0	CP_QAM256	18.330	19.370	PASS
n41	ant1	30	20	535998	51@0	CP_QPSK	18.280	19.320	PASS
n41	ant2	30	20	535998	51@0	CP_QPSK	18.280	19.410	PASS

n41	ant1	30	20	535998	51@0	CP_QAM16	18.270	19.290	PASS
n41	ant2	30	20	535998	51@0	CP_QAM16	18.270	19.370	PASS
n41	ant1	30	20	535998	51@0	CP_QAM64	18.330	19.370	PASS
n41	ant2	30	20	535998	51@0	CP_QAM64	18.330	19.350	PASS
n41	ant1	30	20	535998	51@0	CP_QAM256	18.320	19.350	PASS
n41	ant2	30	20	535998	51@0	CP_QAM256	18.330	19.400	PASS
n41	ant1	30	30	502200	78@0	CP_QPSK	27.980	29.530	PASS
n41	ant2	30	30	502200	78@0	CP_QPSK	27.970	29.540	PASS
n41	ant1	30	30	502200	78@0	CP_QAM16	27.980	29.570	PASS
n41	ant2	30	30	502200	78@0	CP_QAM16	27.970	29.520	PASS
n41	ant1	30	30	502200	78@0	CP_QAM64	28.000	29.620	PASS
n41	ant2	30	30	502200	78@0	CP_QAM64	27.970	29.530	PASS
n41	ant1	30	30	502200	78@0	CP_QAM256	27.990	29.550	PASS
n41	ant2	30	30	502200	78@0	CP_QAM256	27.990	29.520	PASS
n41	ant1	30	30	518598	78@0	CP_QPSK	27.990	29.540	PASS
n41	ant2	30	30	518598	78@0	CP_QPSK	27.990	29.570	PASS
n41	ant1	30	30	518598	78@0	CP_QAM16	27.980	29.550	PASS
n41	ant2	30	30	518598	78@0	CP_QAM16	27.990	29.530	PASS
n41	ant1	30	30	518598	78@0	CP_QAM64	28.010	29.570	PASS
n41	ant2	30	30	518598	78@0	CP_QAM64	27.990	29.550	PASS
n41	ant1	30	30	518598	78@0	CP_QAM256	27.990	29.560	PASS
n41	ant2	30	30	518598	78@0	CP_QAM256	28.000	29.550	PASS
n41	ant1	30	30	534996	78@0	CP_QPSK	27.990	29.540	PASS
n41	ant2	30	30	534996	78@0	CP_QPSK	28.000	29.560	PASS
n41	ant1	30	30	534996	78@0	CP_QAM16	27.980	29.530	PASS
n41	ant2	30	30	534996	78@0	CP_QAM16	27.990	29.550	PASS
n41	ant1	30	30	534996	78@0	CP_QAM64	28.010	29.550	PASS
n41	ant2	30	30	534996	78@0	CP_QAM64	28.000	29.560	PASS
n41	ant1	30	30	534996	78@0	CP_QAM256	27.990	29.550	PASS
n41	ant2	30	30	534996	78@0	CP_QAM256	28.010	29.580	PASS
n41	ant1	30	40	503202	106@0	CP_QPSK	37.980	40.060	PASS
n41	ant2	30	40	503202	106@0	CP_QPSK	37.970	40.040	PASS
n41	ant1	30	40	503202	106@0	CP_QAM16	37.980	40.020	PASS
n41	ant2	30	40	503202	106@0	CP_QAM16	37.970	40.050	PASS
n41	ant1	30	40	503202	106@0	CP_QAM64	37.990	40.060	PASS
n41	ant2	30	40	503202	106@0	CP_QAM64	37.970	40.030	PASS
n41	ant1	30	40	503202	106@0	CP_QAM256	37.980	40.050	PASS
n41	ant2	30	40	503202	106@0	CP_QAM256	37.970	40.040	PASS
n41	ant1	30	40	518598	106@0	CP_QPSK	37.990	40.070	PASS
n41	ant2	30	40	518598	106@0	CP_QPSK	37.990	40.080	PASS
n41	ant1	30	40	518598	106@0	CP_QAM16	37.990	40.060	PASS
n41	ant2	30	40	518598	106@0	CP_QAM16	37.990	40.080	PASS



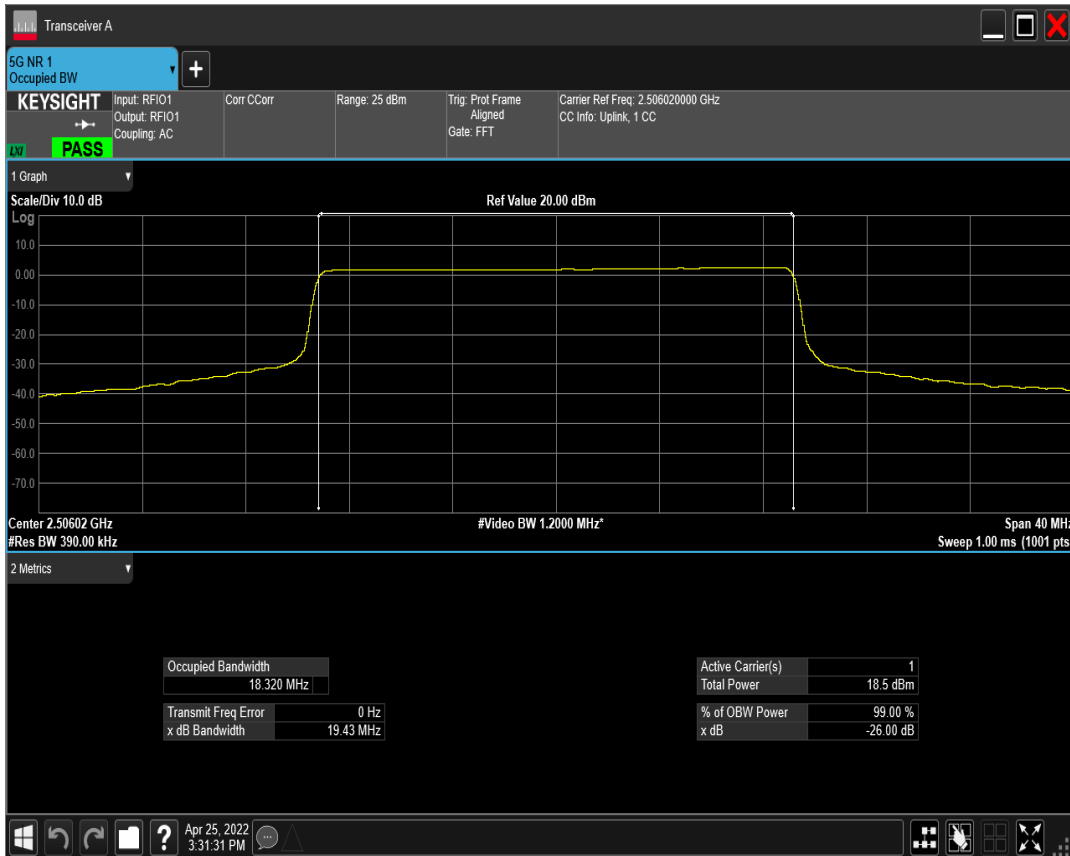
n41	ant1	30	40	518598	106@0	CP_QAM64	38.080	40.080	PASS
n41	ant2	30	40	518598	106@0	CP_QAM64	37.990	40.090	PASS
n41	ant1	30	40	518598	106@0	CP_QAM256	38.000	40.070	PASS
n41	ant2	30	40	518598	106@0	CP_QAM256	37.990	40.060	PASS
n41	ant1	30	40	534000	106@0	CP_QPSK	37.980	40.040	PASS
n41	ant2	30	40	534000	106@0	CP_QPSK	37.990	40.070	PASS
n41	ant1	30	40	534000	106@0	CP_QAM16	37.980	40.010	PASS
n41	ant2	30	40	534000	106@0	CP_QAM16	38.080	40.070	PASS
n41	ant1	30	40	534000	106@0	CP_QAM64	37.990	40.040	PASS
n41	ant2	30	40	534000	106@0	CP_QAM64	38.080	40.080	PASS
n41	ant1	30	40	534000	106@0	CP_QAM256	37.990	40.030	PASS
n41	ant2	30	40	534000	106@0	CP_QAM256	38.000	40.060	PASS
n41	ant1	30	50	504204	133@0	CP_QPSK	47.670	50.190	PASS
n41	ant2	30	50	504204	133@0	CP_QPSK	47.650	50.200	PASS
n41	ant1	30	50	504204	133@0	CP_QAM16	47.660	50.190	PASS
n41	ant2	30	50	504204	133@0	CP_QAM16	47.630	50.190	PASS
n41	ant1	30	50	504204	133@0	CP_QAM64	47.660	50.200	PASS
n41	ant2	30	50	504204	133@0	CP_QAM64	47.650	50.200	PASS
n41	ant1	30	50	504204	133@0	CP_QAM256	47.670	50.220	PASS
n41	ant2	30	50	504204	133@0	CP_QAM256	47.640	50.190	PASS
n41	ant1	30	50	518598	133@0	CP_QPSK	47.690	50.210	PASS
n41	ant2	30	50	518598	133@0	CP_QPSK	47.680	50.230	PASS
n41	ant1	30	50	518598	133@0	CP_QAM16	47.680	50.190	PASS
n41	ant2	30	50	518598	133@0	CP_QAM16	47.670	50.220	PASS
n41	ant1	30	50	518598	133@0	CP_QAM64	47.690	50.230	PASS
n41	ant2	30	50	518598	133@0	CP_QAM64	47.690	50.250	PASS
n41	ant1	30	50	518598	133@0	CP_QAM256	47.690	50.230	PASS
n41	ant2	30	50	518598	133@0	CP_QAM256	47.680	50.230	PASS
n41	ant1	30	50	532998	133@0	CP_QPSK	47.660	50.170	PASS
n41	ant2	30	50	532998	133@0	CP_QPSK	47.690	50.230	PASS
n41	ant1	30	50	532998	133@0	CP_QAM16	47.650	50.160	PASS
n41	ant2	30	50	532998	133@0	CP_QAM16	47.680	50.240	PASS
n41	ant1	30	50	532998	133@0	CP_QAM64	47.670	50.210	PASS
n41	ant2	30	50	532998	133@0	CP_QAM64	47.690	50.240	PASS
n41	ant1	30	50	532998	133@0	CP_QAM256	47.670	50.190	PASS
n41	ant2	30	50	532998	133@0	CP_QAM256	47.690	50.240	PASS
n41	ant1	30	60	505200	162@0	CP_QPSK	58.090	61.020	PASS
n41	ant2	30	60	505200	162@0	CP_QPSK	57.940	61.020	PASS
n41	ant1	30	60	505200	162@0	CP_QAM16	58.090	61.020	PASS
n41	ant2	30	60	505200	162@0	CP_QAM16	57.940	61.020	PASS
n41	ant1	30	60	505200	162@0	CP_QAM64	58.080	61.020	PASS
n41	ant2	30	60	505200	162@0	CP_QAM64	57.910	61.000	PASS

n41	ant1	30	60	505200	162@0	CP_QAM256	58.080	61.030	PASS
n41	ant2	30	60	505200	162@0	CP_QAM256	57.920	60.990	PASS
n41	ant1	30	60	518598	162@0	CP_QPSK	58.120	61.020	PASS
n41	ant2	30	60	518598	162@0	CP_QPSK	58.100	61.060	PASS
n41	ant1	30	60	518598	162@0	CP_QAM16	58.110	61.030	PASS
n41	ant2	30	60	518598	162@0	CP_QAM16	58.100	61.060	PASS
n41	ant1	30	60	518598	162@0	CP_QAM64	58.110	61.020	PASS
n41	ant2	30	60	518598	162@0	CP_QAM64	57.960	61.050	PASS
n41	ant1	30	60	518598	162@0	CP_QAM256	58.110	61.050	PASS
n41	ant2	30	60	518598	162@0	CP_QAM256	57.960	61.030	PASS
n41	ant1	30	60	531996	162@0	CP_QPSK	57.950	60.990	PASS
n41	ant2	30	60	531996	162@0	CP_QPSK	58.110	61.070	PASS
n41	ant1	30	60	531996	162@0	CP_QAM16	57.950	61.010	PASS
n41	ant2	30	60	531996	162@0	CP_QAM16	58.110	61.060	PASS
n41	ant1	30	60	531996	162@0	CP_QAM64	57.940	60.990	PASS
n41	ant2	30	60	531996	162@0	CP_QAM64	58.090	61.050	PASS
n41	ant1	30	60	531996	162@0	CP_QAM256	57.950	61.010	PASS
n41	ant2	30	60	531996	162@0	CP_QAM256	58.090	61.050	PASS
n41	ant1	30	80	507204	217@0	CP_QPSK	77.600	81.740	PASS
n41	ant2	30	80	507204	217@0	CP_QPSK	77.590	81.730	PASS
n41	ant1	30	80	507204	217@0	CP_QAM16	77.600	81.730	PASS
n41	ant2	30	80	507204	217@0	CP_QAM16	77.590	81.740	PASS
n41	ant1	30	80	507204	217@0	CP_QAM64	77.770	81.730	PASS
n41	ant2	30	80	507204	217@0	CP_QAM64	77.590	81.740	PASS
n41	ant1	30	80	507204	217@0	CP_QAM256	77.790	81.760	PASS
n41	ant2	30	80	507204	217@0	CP_QAM256	77.590	81.700	PASS
n41	ant1	30	80	518598	217@0	CP_QPSK	77.820	81.750	PASS
n41	ant2	30	80	518598	217@0	CP_QPSK	77.790	81.780	PASS
n41	ant1	30	80	518598	217@0	CP_QAM16	77.820	81.750	PASS
n41	ant2	30	80	518598	217@0	CP_QAM16	77.790	81.800	PASS
n41	ant1	30	80	518598	217@0	CP_QAM64	77.830	81.760	PASS
n41	ant2	30	80	518598	217@0	CP_QAM64	77.790	81.790	PASS
n41	ant1	30	80	518598	217@0	CP_QAM256	77.850	81.810	PASS
n41	ant2	30	80	518598	217@0	CP_QAM256	77.790	81.750	PASS
n41	ant1	30	80	529998	217@0	CP_QPSK	77.570	81.690	PASS
n41	ant2	30	80	529998	217@0	CP_QPSK	77.820	81.790	PASS
n41	ant1	30	80	529998	217@0	CP_QAM16	77.570	81.680	PASS
n41	ant2	30	80	529998	217@0	CP_QAM16	77.820	81.790	PASS
n41	ant1	30	80	529998	217@0	CP_QAM64	77.580	81.690	PASS
n41	ant2	30	80	529998	217@0	CP_QAM64	77.820	81.790	PASS
n41	ant1	30	80	529998	217@0	CP_QAM256	77.590	81.710	PASS
n41	ant2	30	80	529998	217@0	CP_QAM256	77.820	81.770	PASS

n41	ant1	30	90	508200	245@0	CP_QPSK	87.640	92.310	PASS
n41	ant2	30	90	508200	245@0	CP_QPSK	87.630	92.270	PASS
n41	ant1	30	90	508200	245@0	CP_QAM16	87.660	92.310	PASS
n41	ant2	30	90	508200	245@0	CP_QAM16	87.650	92.300	PASS
n41	ant1	30	90	508200	245@0	CP_QAM64	87.630	92.290	PASS
n41	ant2	30	90	508200	245@0	CP_QAM64	87.620	92.270	PASS
n41	ant1	30	90	508200	245@0	CP_QAM256	87.650	92.350	PASS
n41	ant2	30	90	508200	245@0	CP_QAM256	87.610	92.240	PASS
n41	ant1	30	90	518598	245@0	CP_QPSK	87.890	92.350	PASS
n41	ant2	30	90	518598	245@0	CP_QPSK	87.850	92.380	PASS
n41	ant1	30	90	518598	245@0	CP_QAM16	87.910	92.330	PASS
n41	ant2	30	90	518598	245@0	CP_QAM16	87.880	92.390	PASS
n41	ant1	30	90	518598	245@0	CP_QAM64	87.890	92.340	PASS
n41	ant2	30	90	518598	245@0	CP_QAM64	87.650	92.360	PASS
n41	ant1	30	90	518598	245@0	CP_QAM256	87.910	92.410	PASS
n41	ant2	30	90	518598	245@0	CP_QAM256	87.660	92.340	PASS
n41	ant1	30	90	528996	245@0	CP_QPSK	87.630	92.270	PASS
n41	ant2	30	90	528996	245@0	CP_QPSK	87.850	92.350	PASS
n41	ant1	30	90	528996	245@0	CP_QAM16	87.650	92.260	PASS
n41	ant2	30	90	528996	245@0	CP_QAM16	87.880	92.380	PASS
n41	ant1	30	90	528996	245@0	CP_QAM64	87.630	92.260	PASS
n41	ant2	30	90	528996	245@0	CP_QAM64	87.660	92.340	PASS
n41	ant1	30	90	528996	245@0	CP_QAM256	87.650	92.300	PASS
n41	ant2	30	90	528996	245@0	CP_QAM256	87.840	92.310	PASS
n41	ant1	30	100	509202	273@0	CP_QPSK	97.720	102.750	PASS
n41	ant2	30	100	509202	273@0	CP_QPSK	97.700	102.740	PASS
n41	ant1	30	100	509202	273@0	CP_QAM16	97.720	102.740	PASS
n41	ant2	30	100	509202	273@0	CP_QAM16	97.710	102.750	PASS
n41	ant1	30	100	509202	273@0	CP_QAM64	97.730	102.750	PASS
n41	ant2	30	100	509202	273@0	CP_QAM64	97.680	102.720	PASS
n41	ant1	30	100	509202	273@0	CP_QAM256	97.740	102.770	PASS
n41	ant2	30	100	509202	273@0	CP_QAM256	97.700	102.730	PASS
n41	ant1	30	100	518598	273@0	CP_QPSK	97.800	102.760	PASS
n41	ant2	30	100	518598	273@0	CP_QPSK	97.770	102.820	PASS
n41	ant1	30	100	518598	273@0	CP_QAM16	98.000	102.760	PASS
n41	ant2	30	100	518598	273@0	CP_QAM16	97.770	102.810	PASS
n41	ant1	30	100	518598	273@0	CP_QAM64	97.800	102.770	PASS
n41	ant2	30	100	518598	273@0	CP_QAM64	97.750	102.800	PASS
n41	ant1	30	100	518598	273@0	CP_QAM256	98.010	102.800	PASS
n41	ant2	30	100	518598	273@0	CP_QAM256	97.770	102.800	PASS
n41	ant1	30	100	528000	273@0	CP_QPSK	97.720	102.710	PASS
n41	ant2	30	100	528000	273@0	CP_QPSK	97.760	102.810	PASS

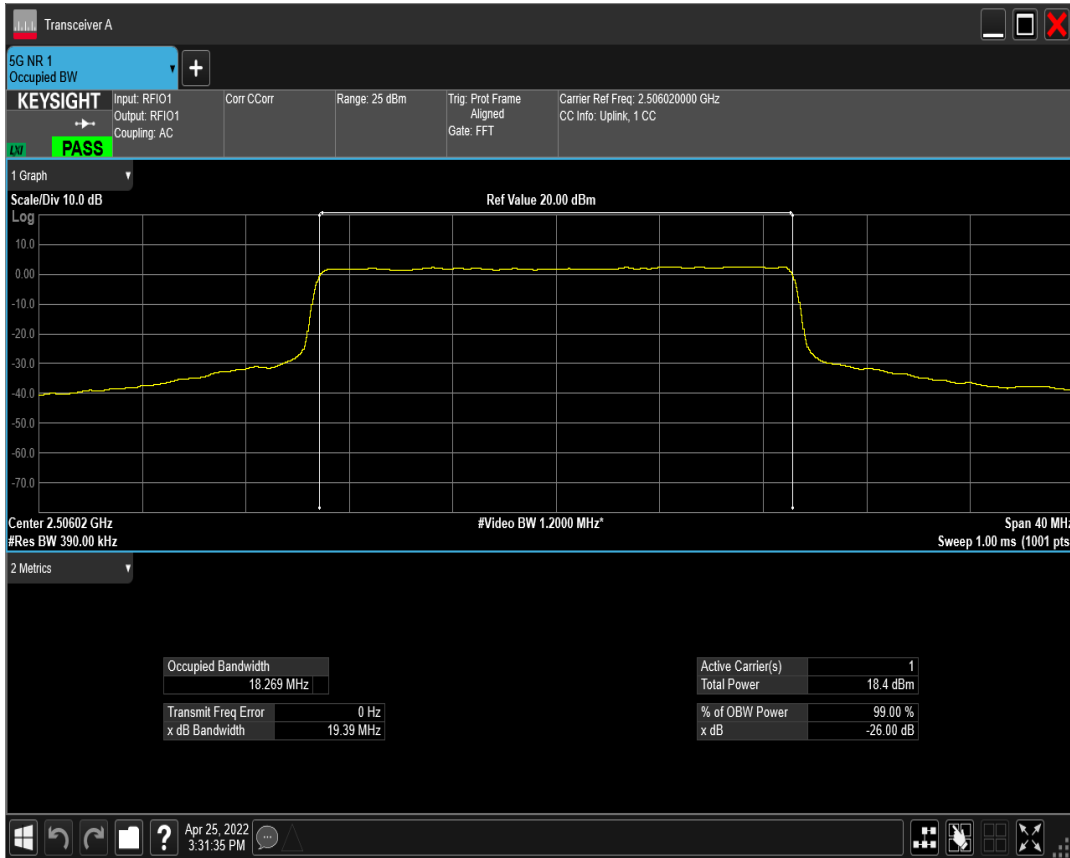
n41	ant1	30	100	528000	273@0	CP_QAM16	97.730	102.700	PASS
n41	ant2	30	100	528000	273@0	CP_QAM16	97.770	102.820	PASS
n41	ant1	30	100	528000	273@0	CP_QAM64	97.720	102.700	PASS
n41	ant2	30	100	528000	273@0	CP_QAM64	97.750	102.790	PASS
n41	ant1	30	100	528000	273@0	CP_QAM256	97.730	102.760	PASS
n41	ant2	30	100	528000	273@0	CP_QAM256	97.770	102.810	PASS

n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=501204 RB=51@0 ant1

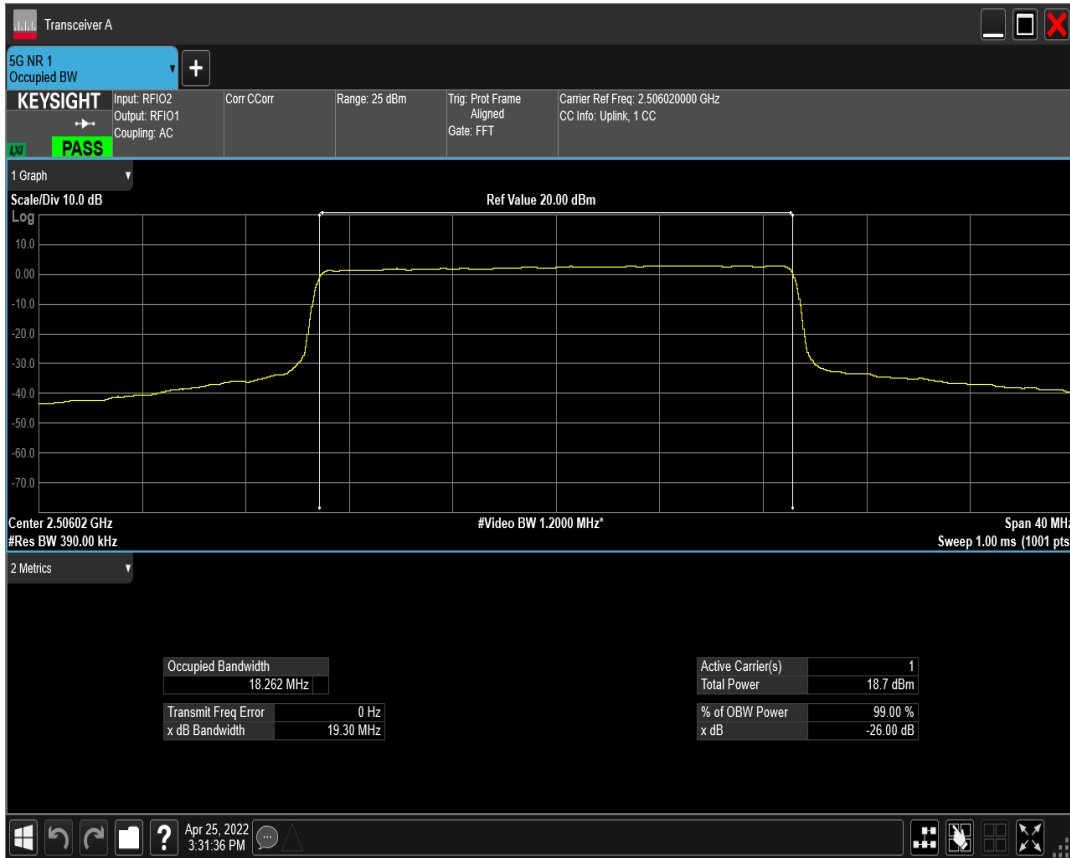


n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=501204 RB=51@0 ant2

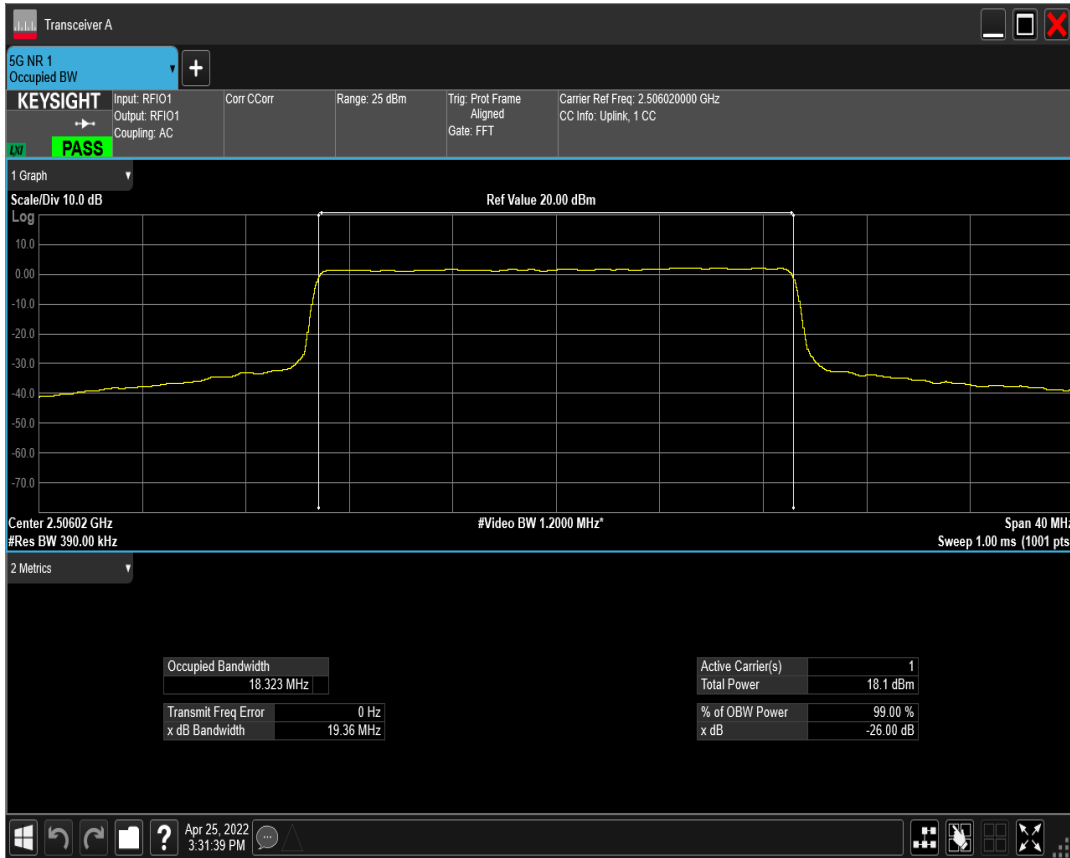




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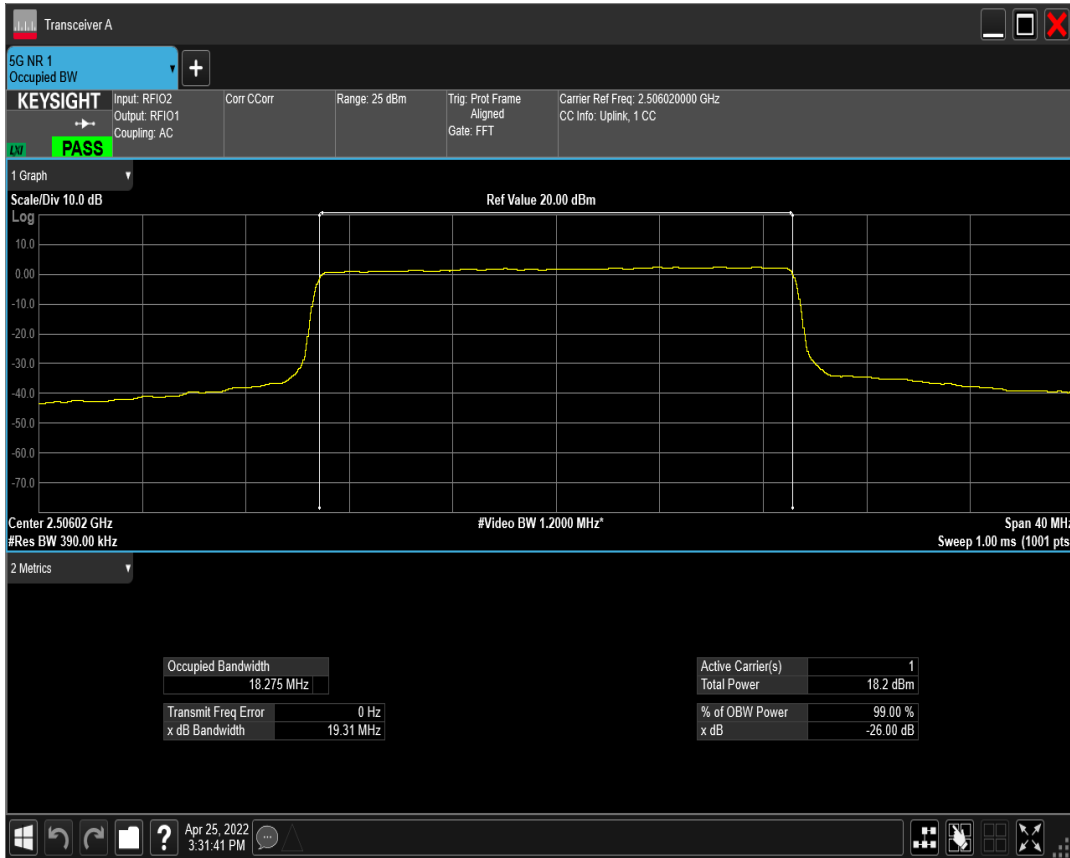


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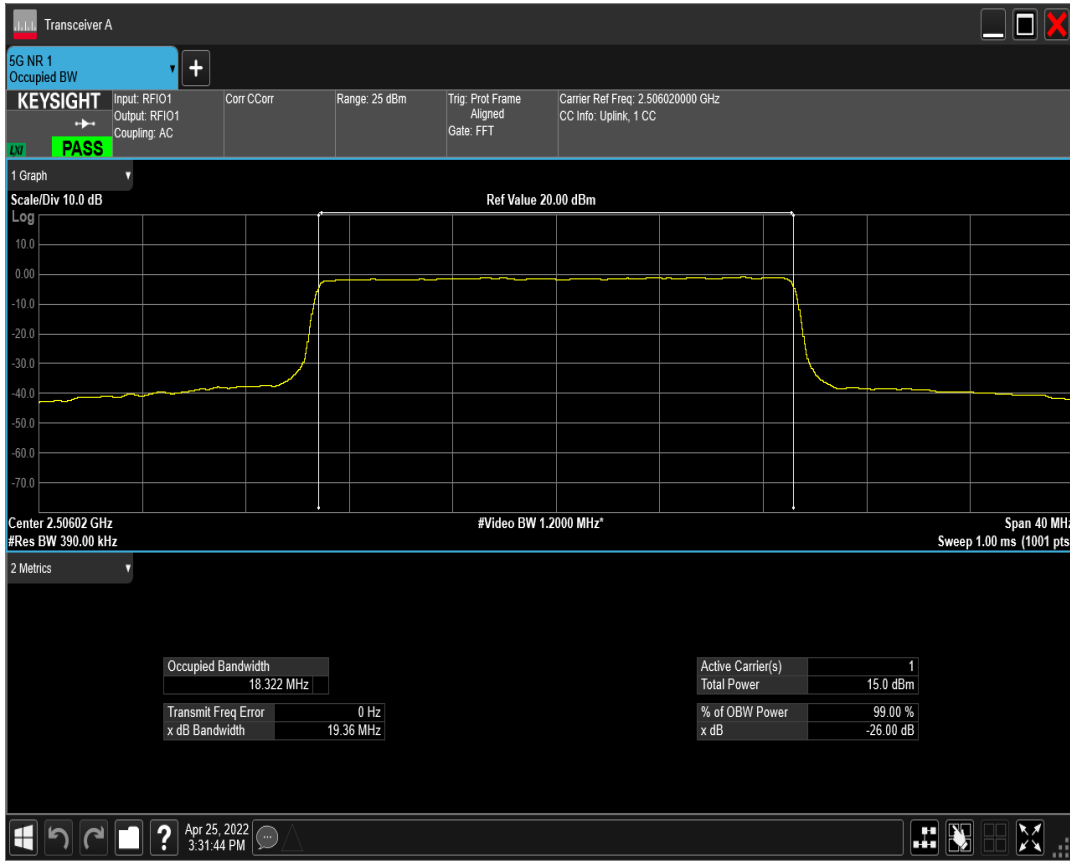


n41 SCS=30kHz CP\_QAM64 BW=20MHz Channel=501204 RB=51 @0 ant2





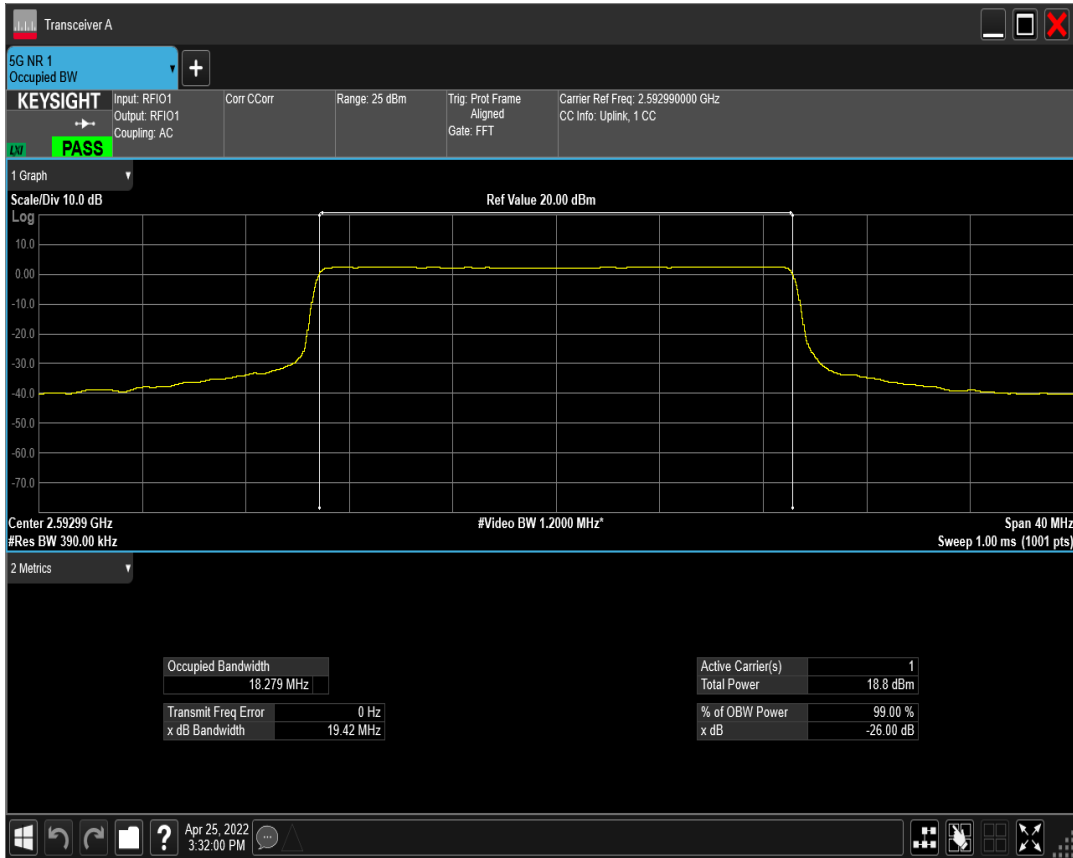
n41 SCS=30kHz CP\_QAM256 BW=20MHz Channel=501204 RB=51 @0 ant1



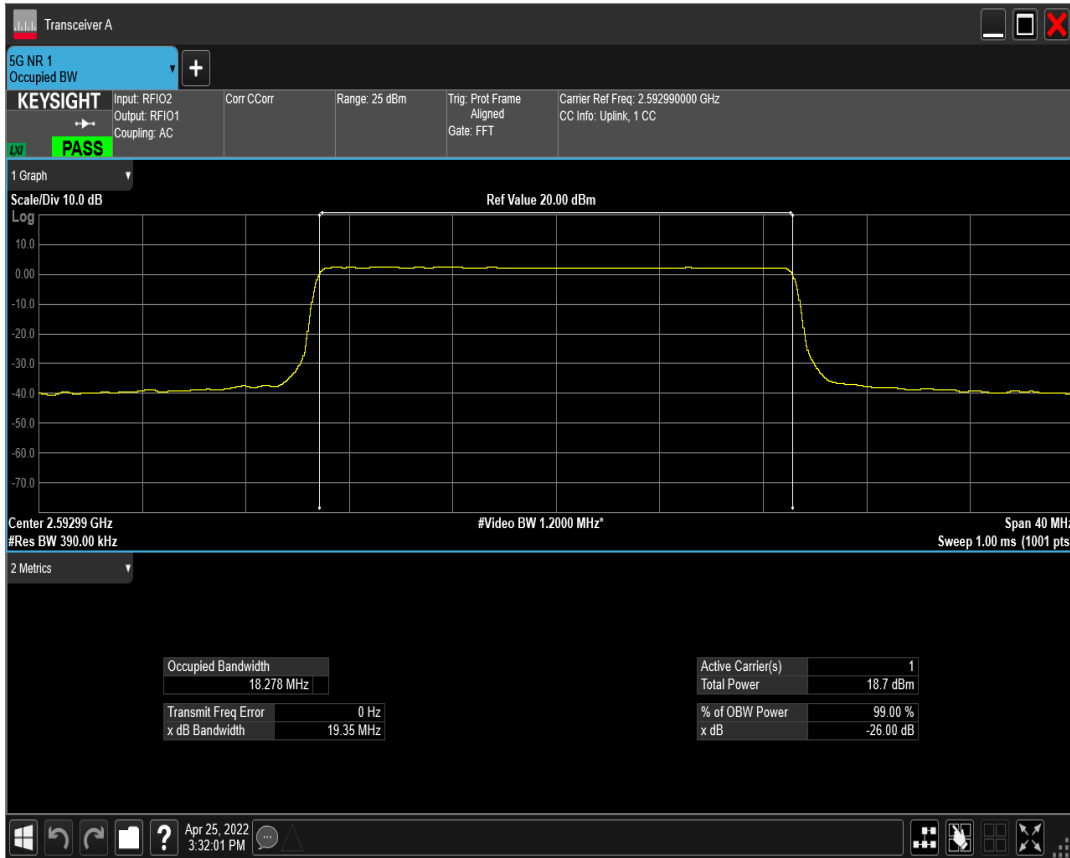
n41 SCS=30kHz CP\_QAM256 BW=20MHz Channel=501204 RB=51 @0 ant2



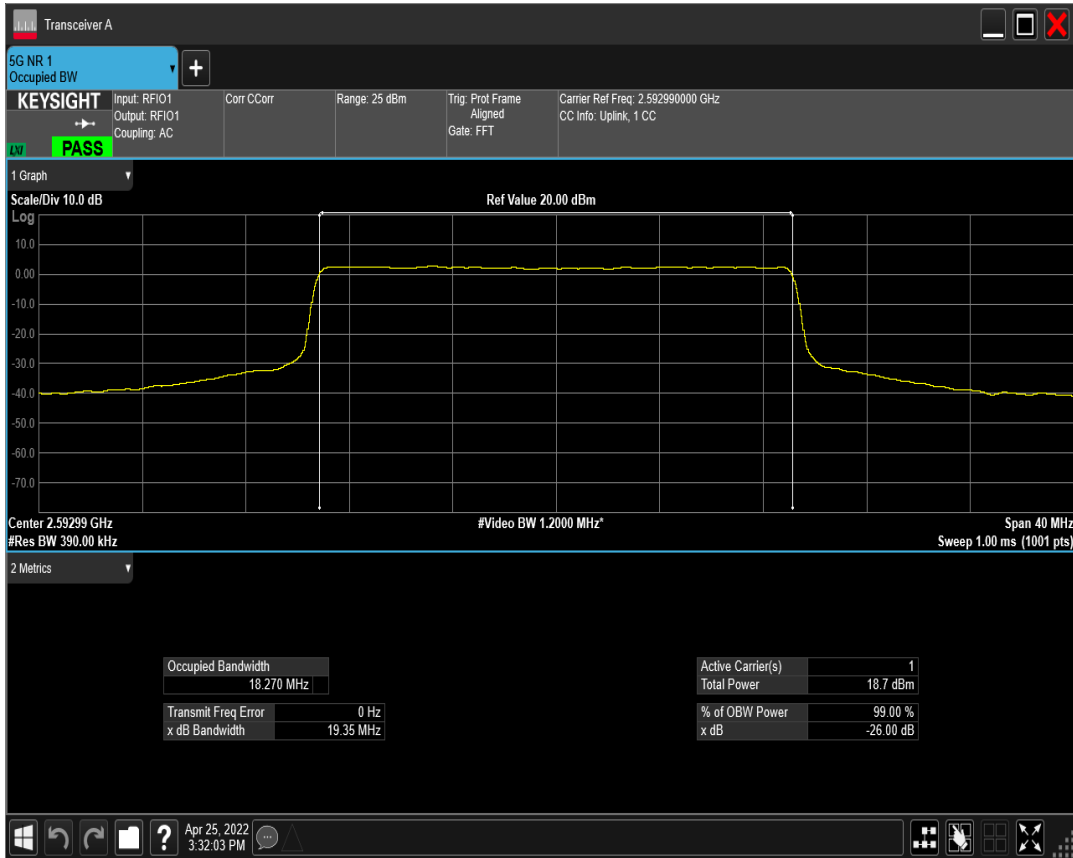
n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=518598 RB=51 @0 ant1



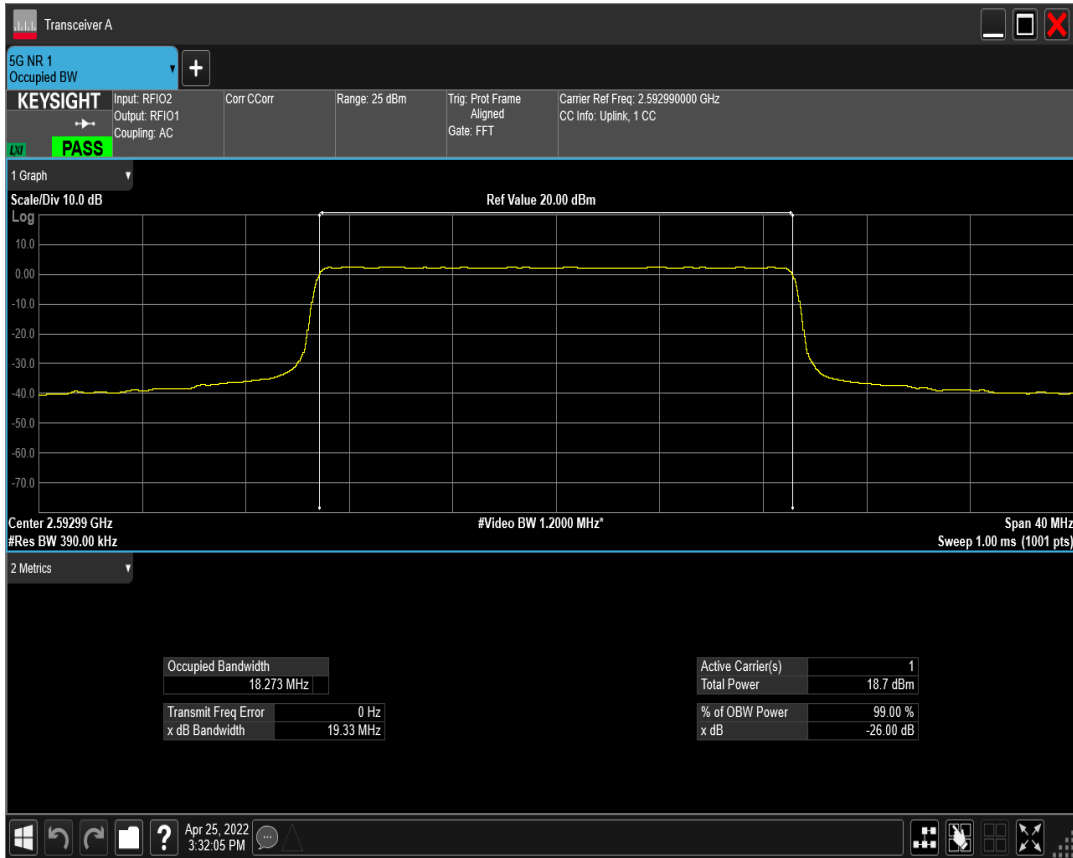
n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=518598 RB=51 @0 ant2



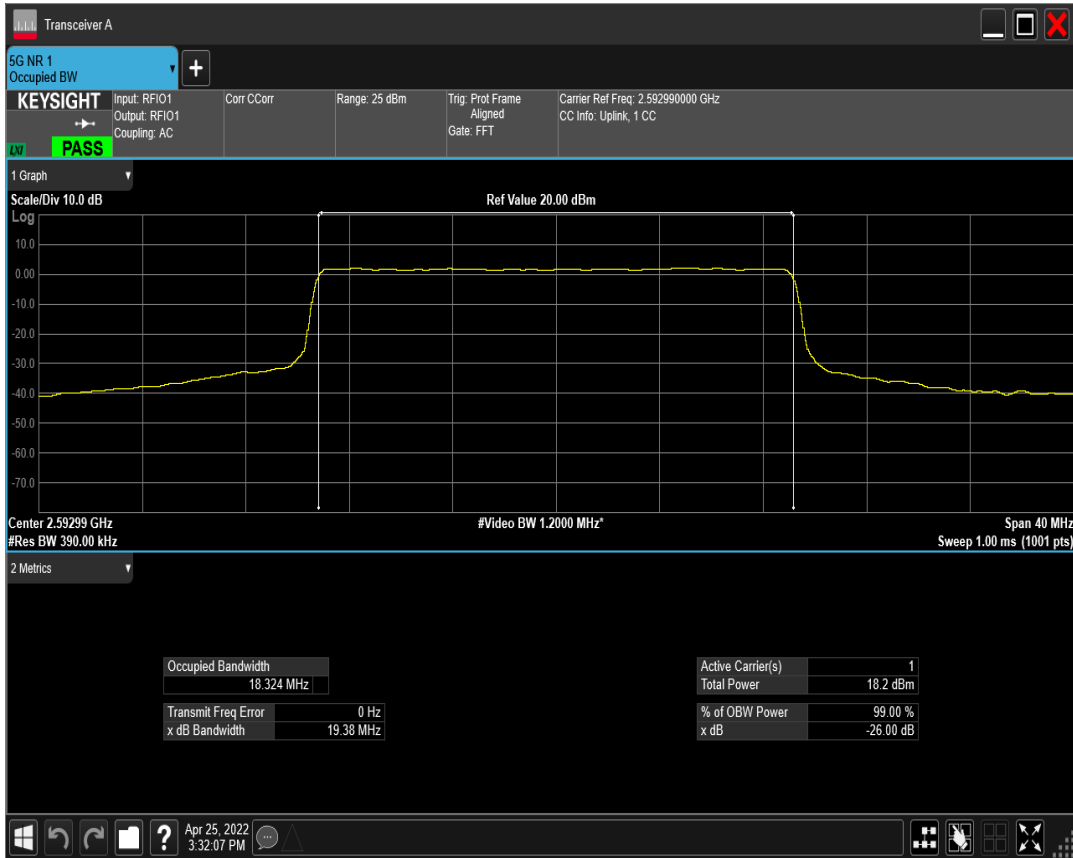
n41 SCS=30kHz CP\_QAM16 BW=20MHz Channel=518598 RB=51 @0 ant1



n41 SCS=30kHz CP\_QAM16 BW=20MHz Channel=518598 RB=51 @0 ant2

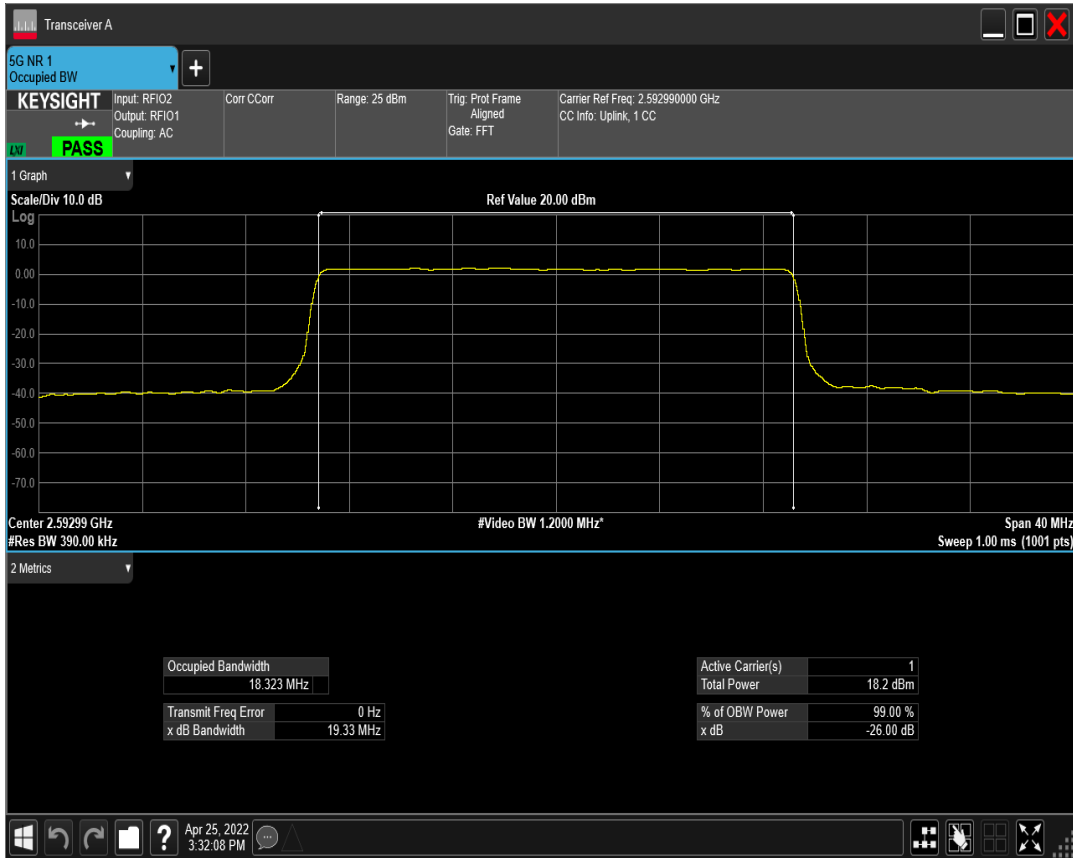


n41 SCS=30kHz CP\_QAM64 BW=20MHz Channel=518598 RB=51 @0 ant1

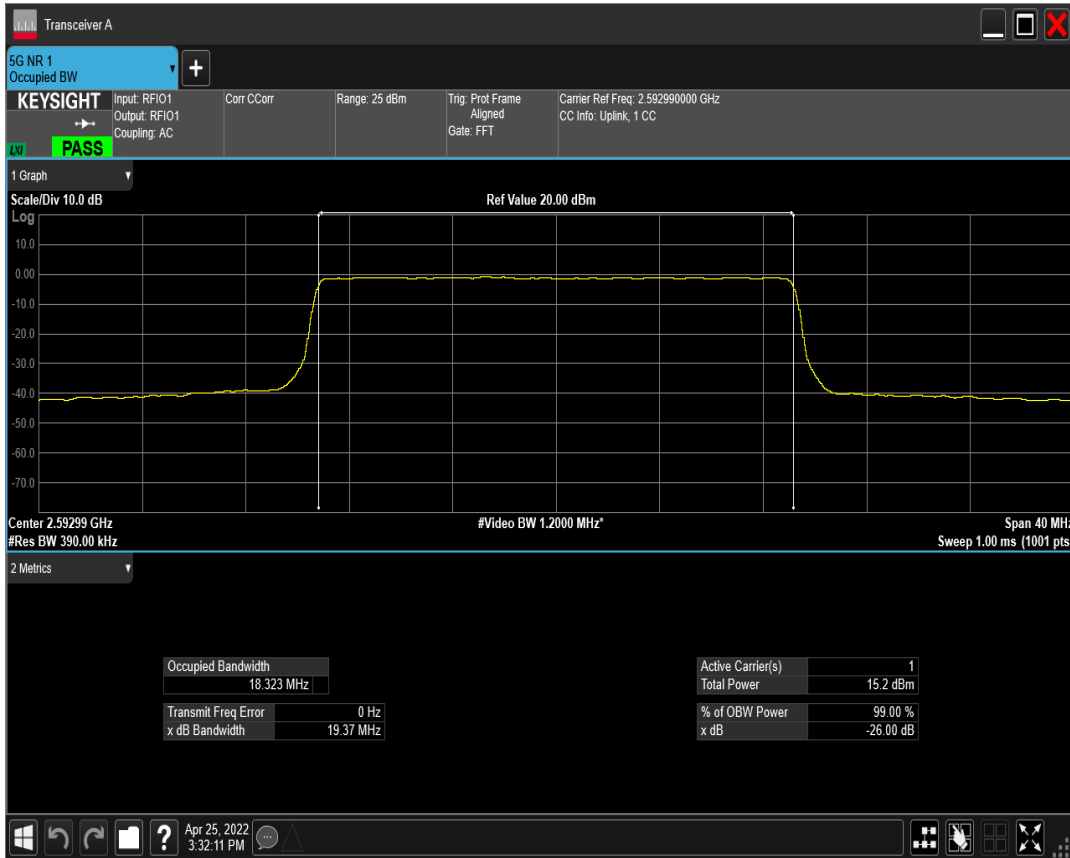


n41 SCS=30kHz CP\_QAM64 BW=20MHz Channel=518598 RB=51 @0 ant2

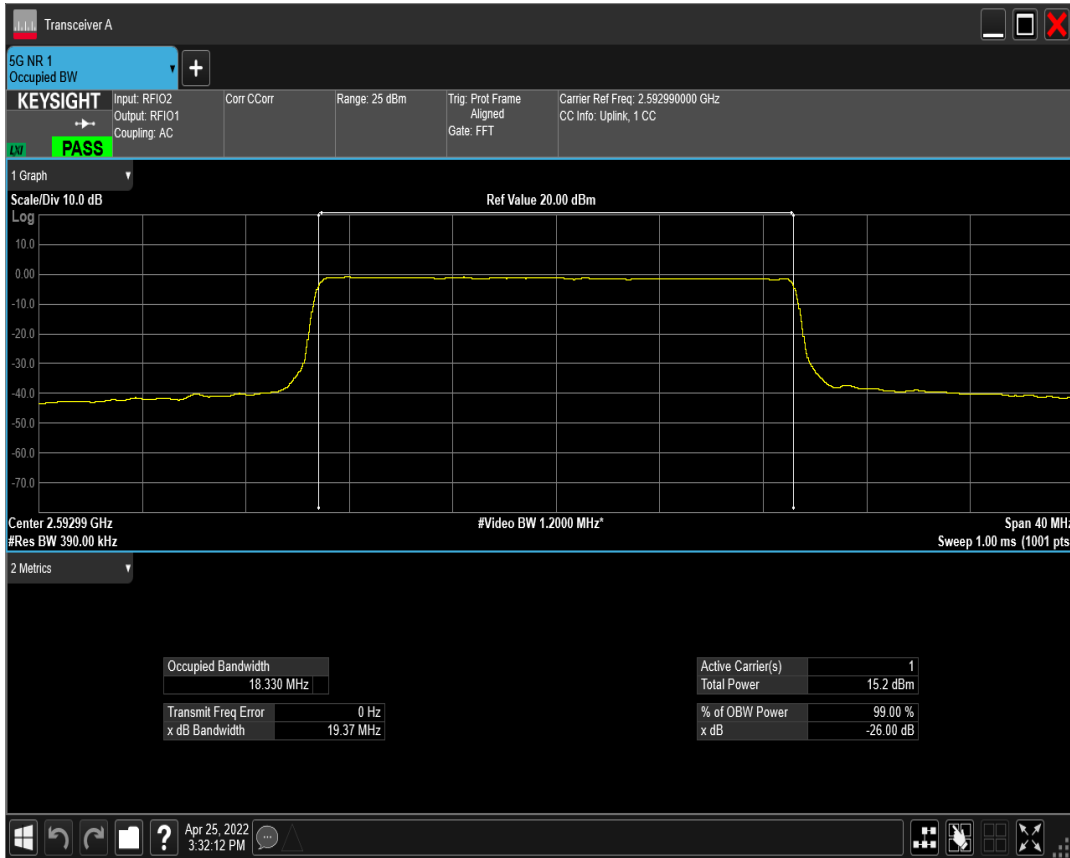




n41 SCS=30kHz CP\_QAM256 BW=20MHz Channel=518598 RB=51 @0 ant1



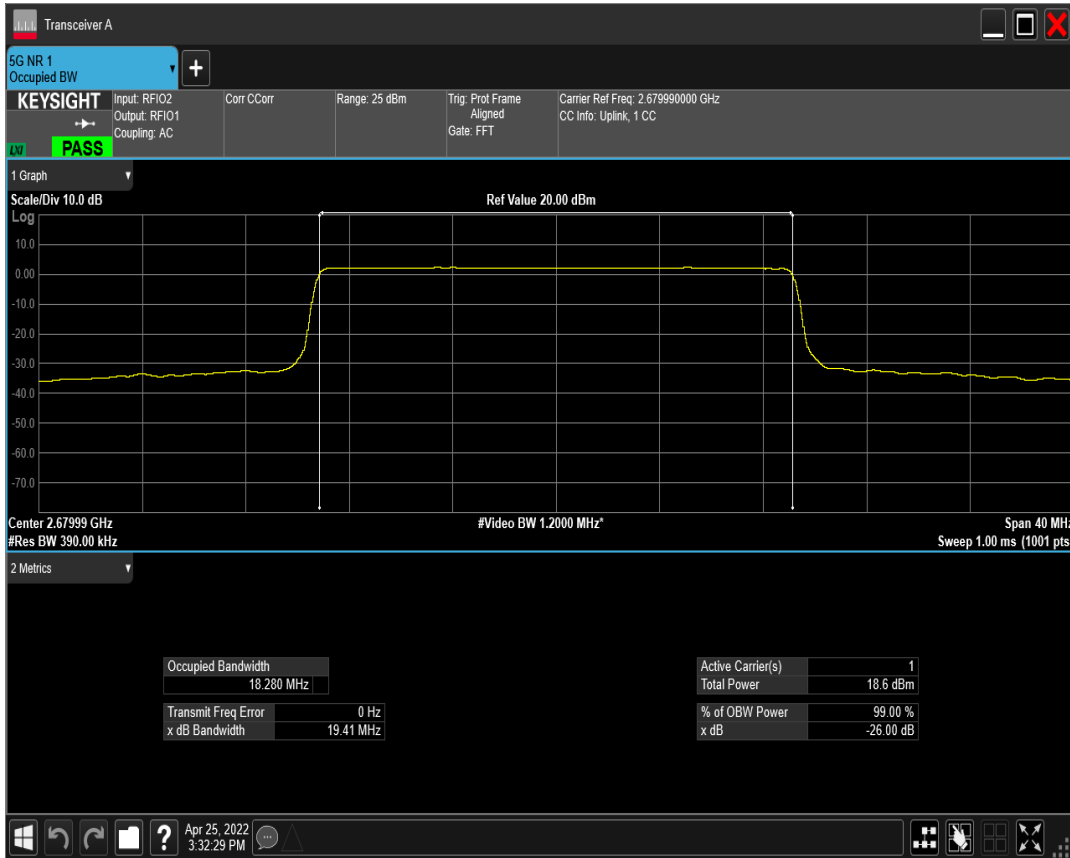
n41 SCS=30kHz CP\_QAM256 BW=20MHz Channel=518598 RB=51 @0 ant2



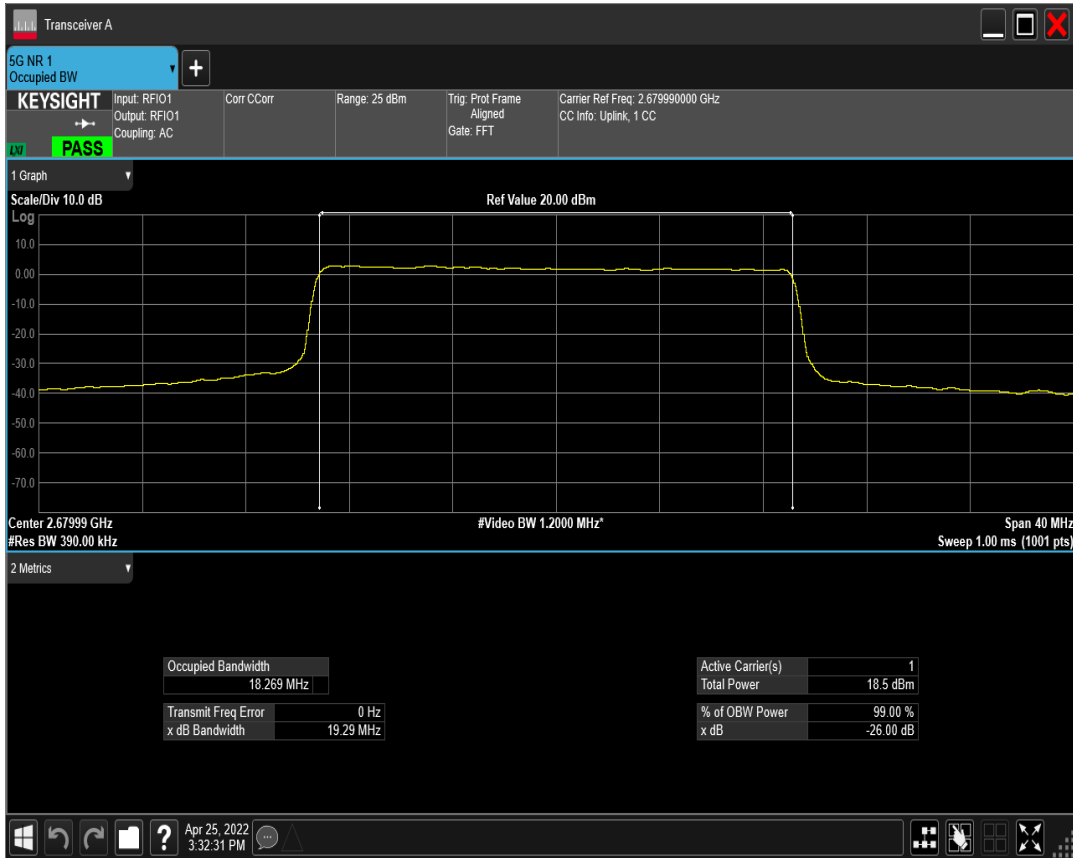
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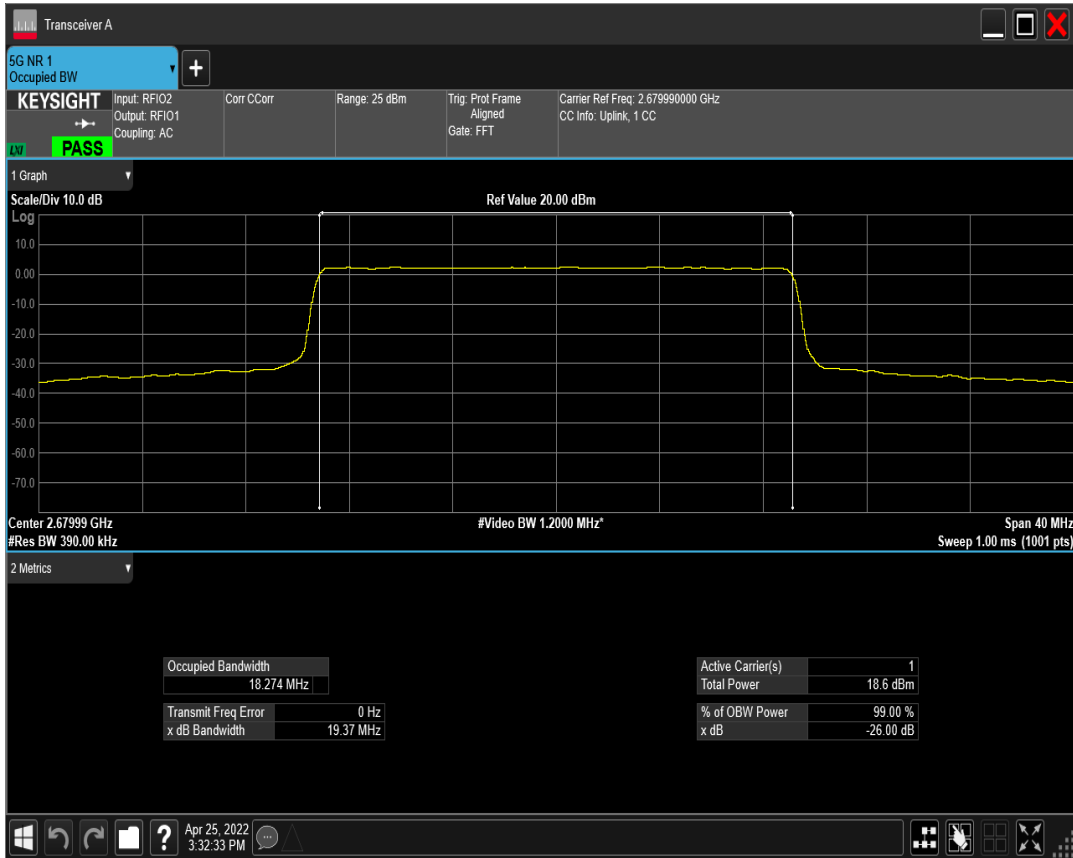
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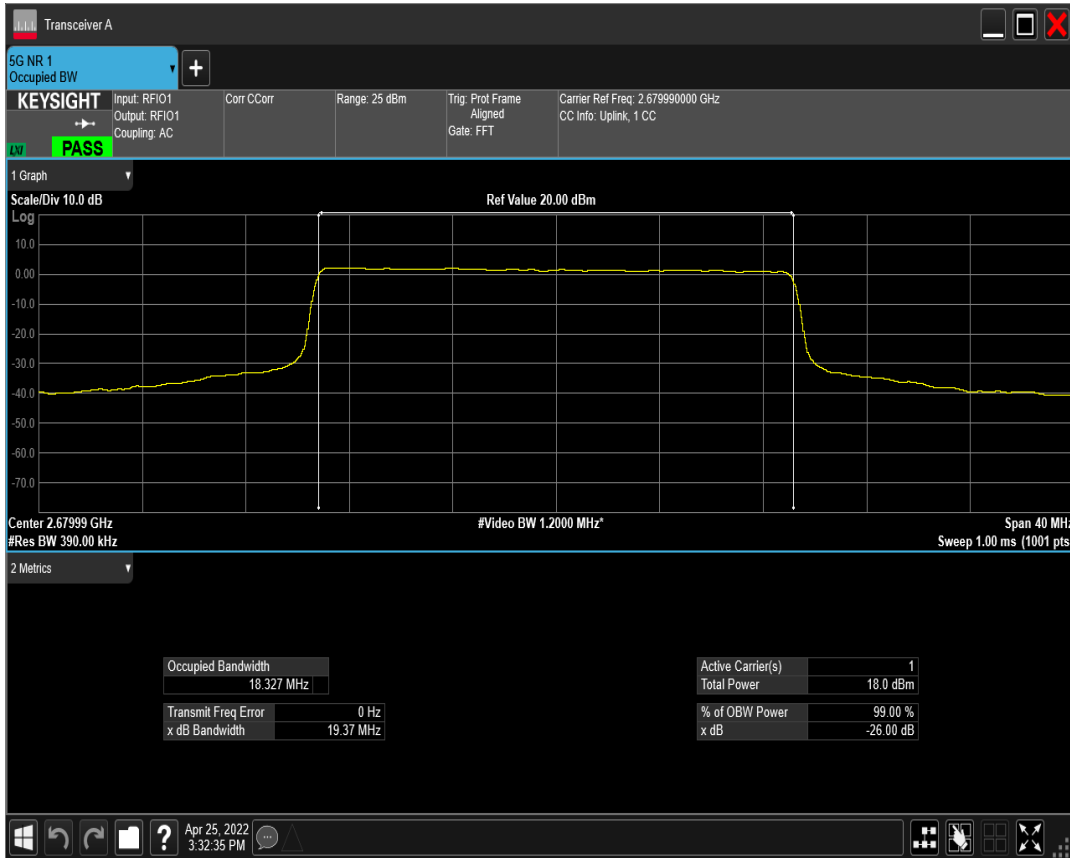
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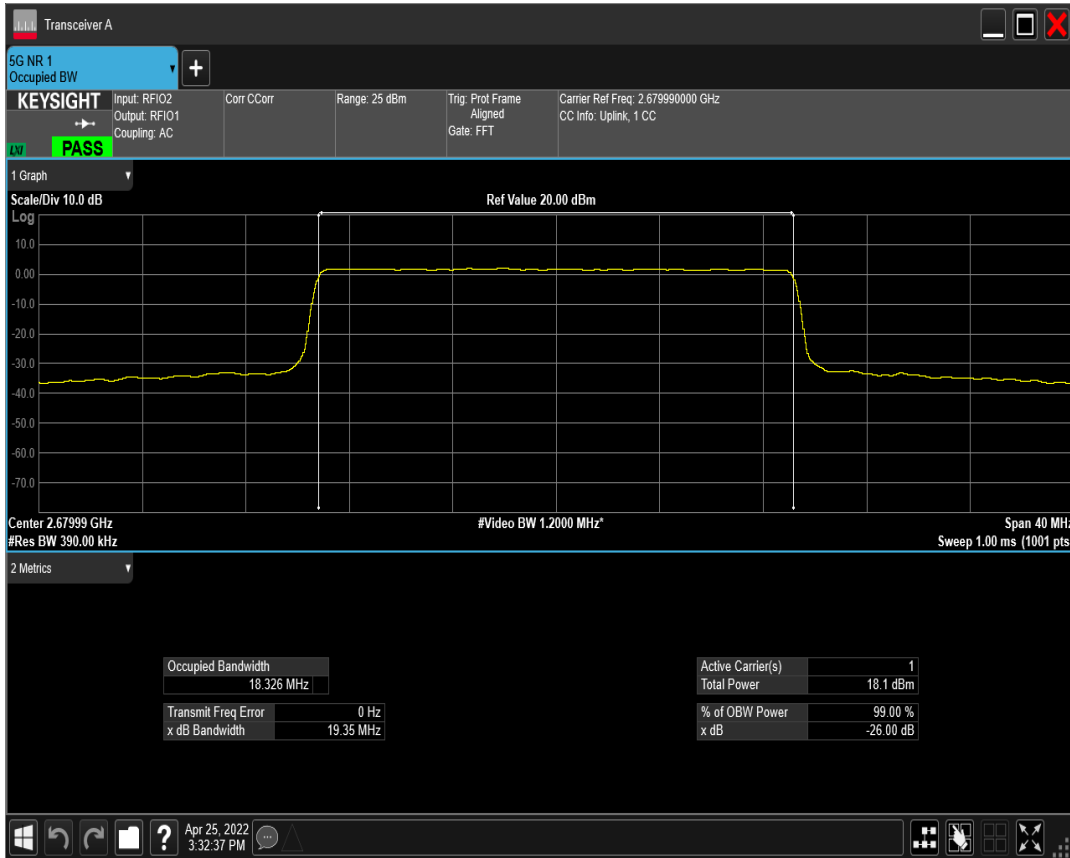


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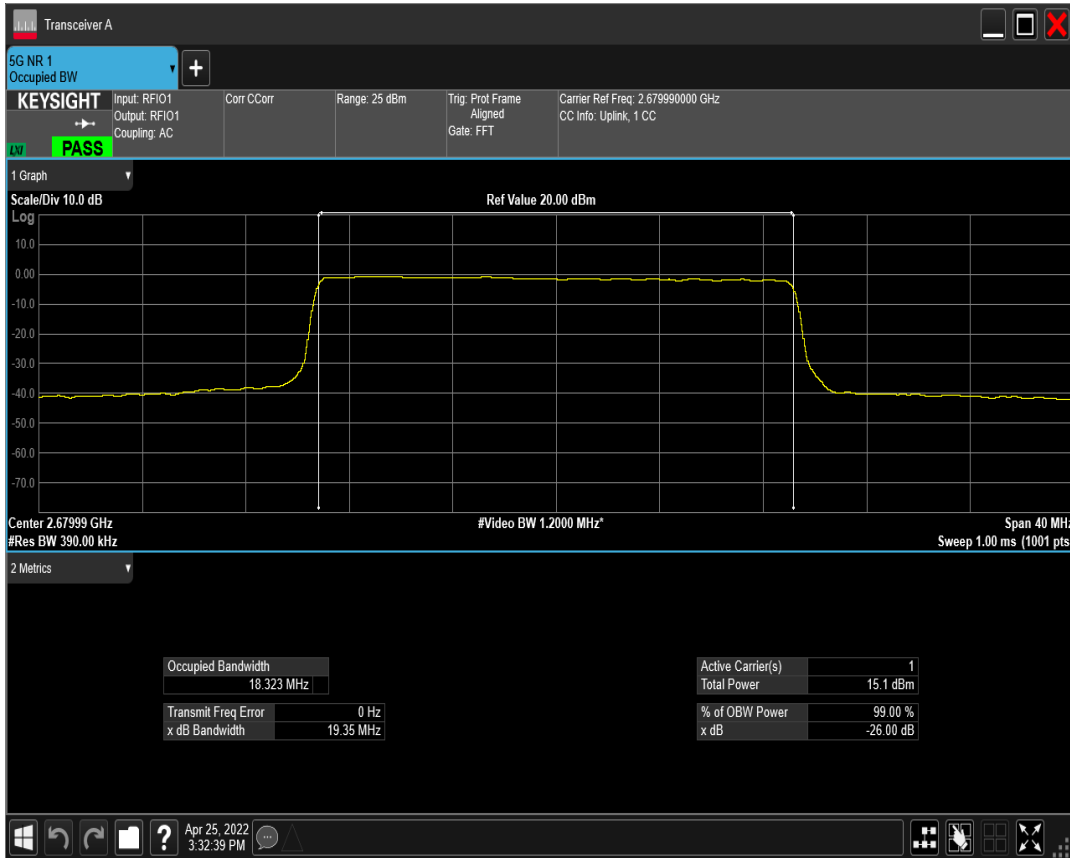


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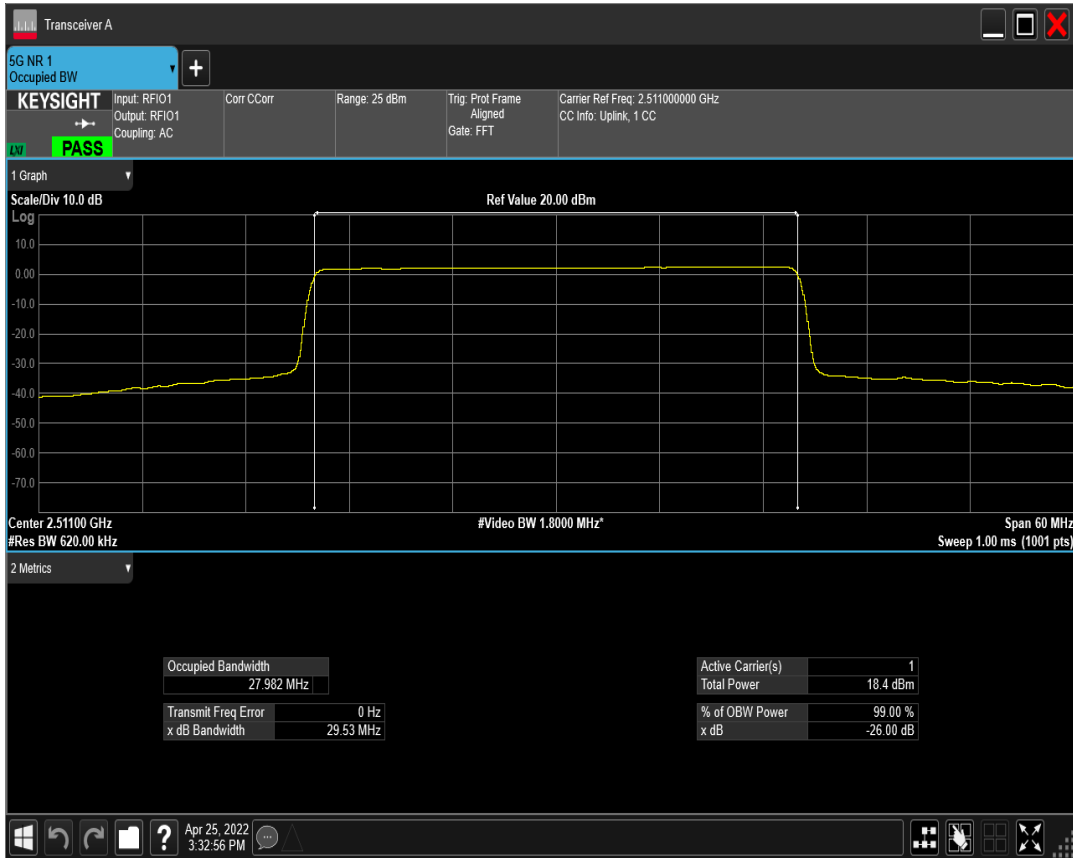
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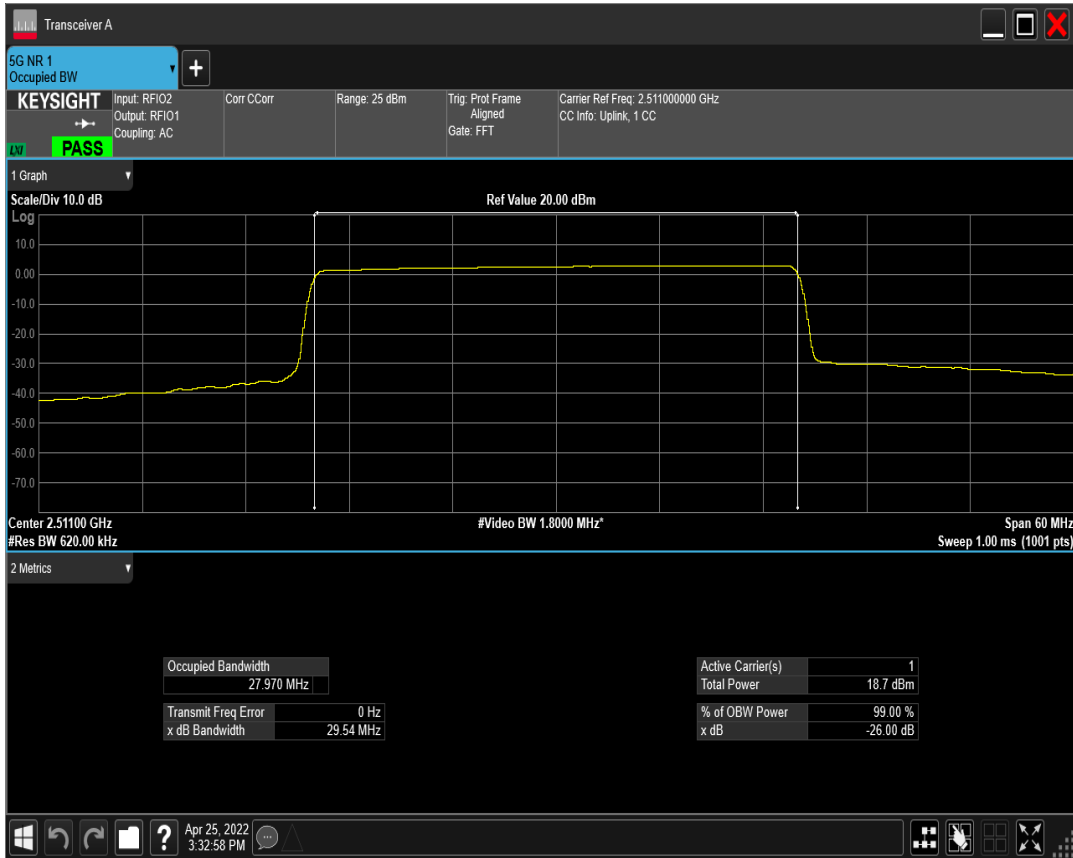
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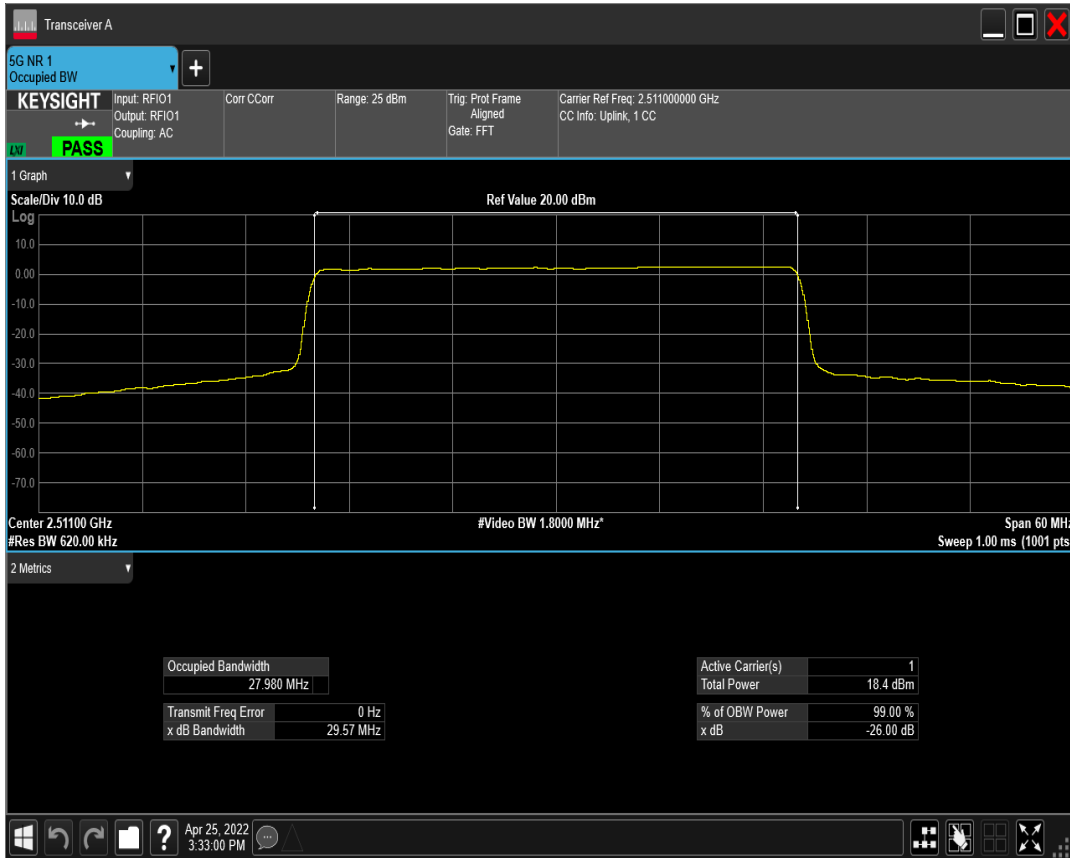
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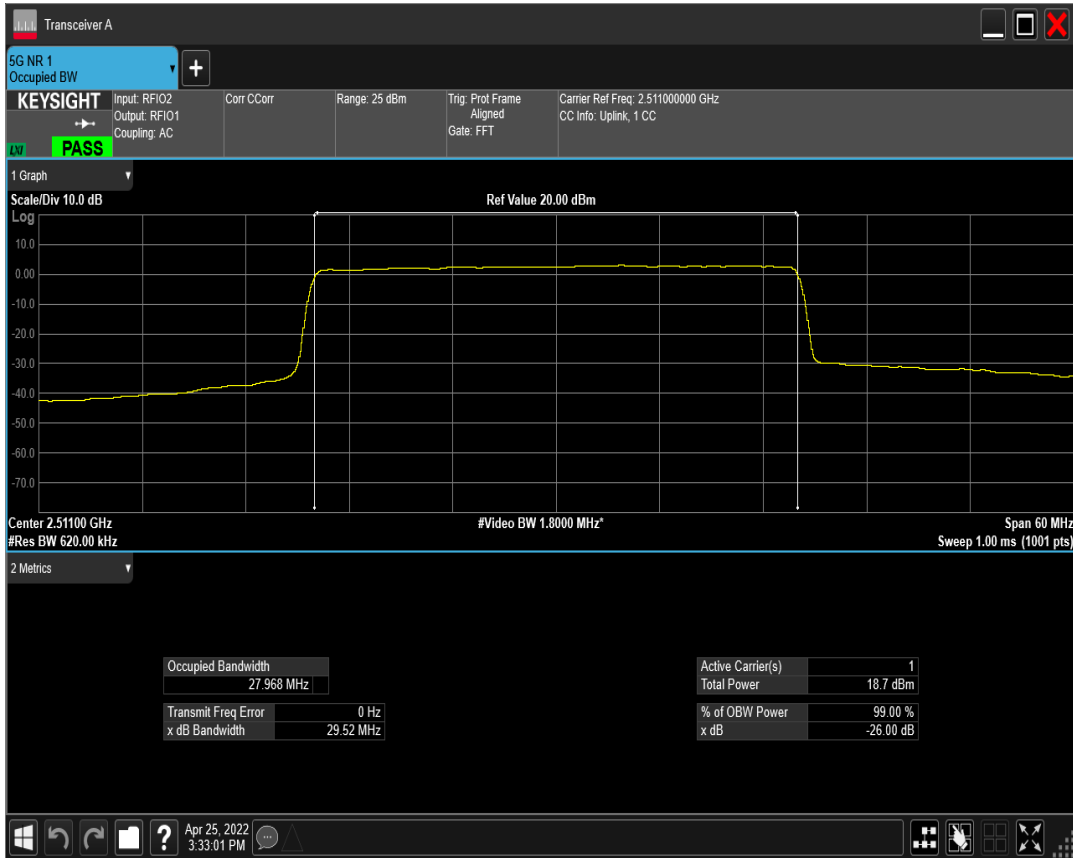
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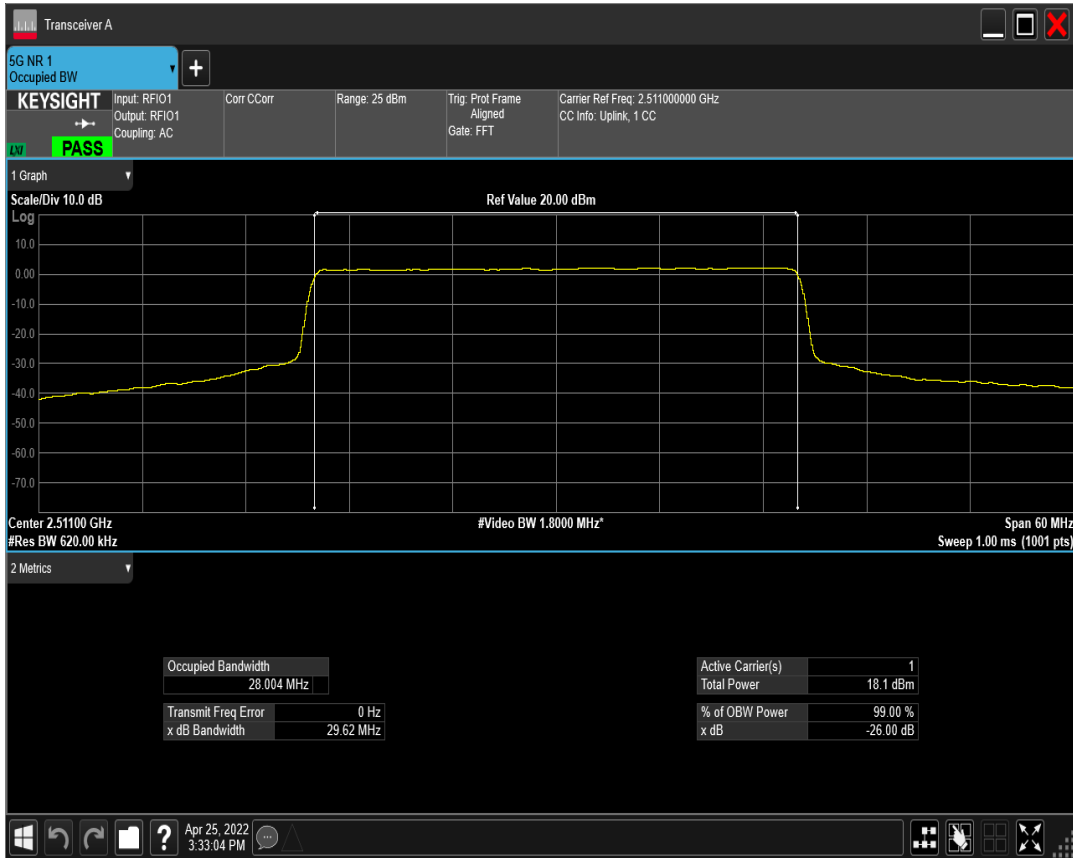
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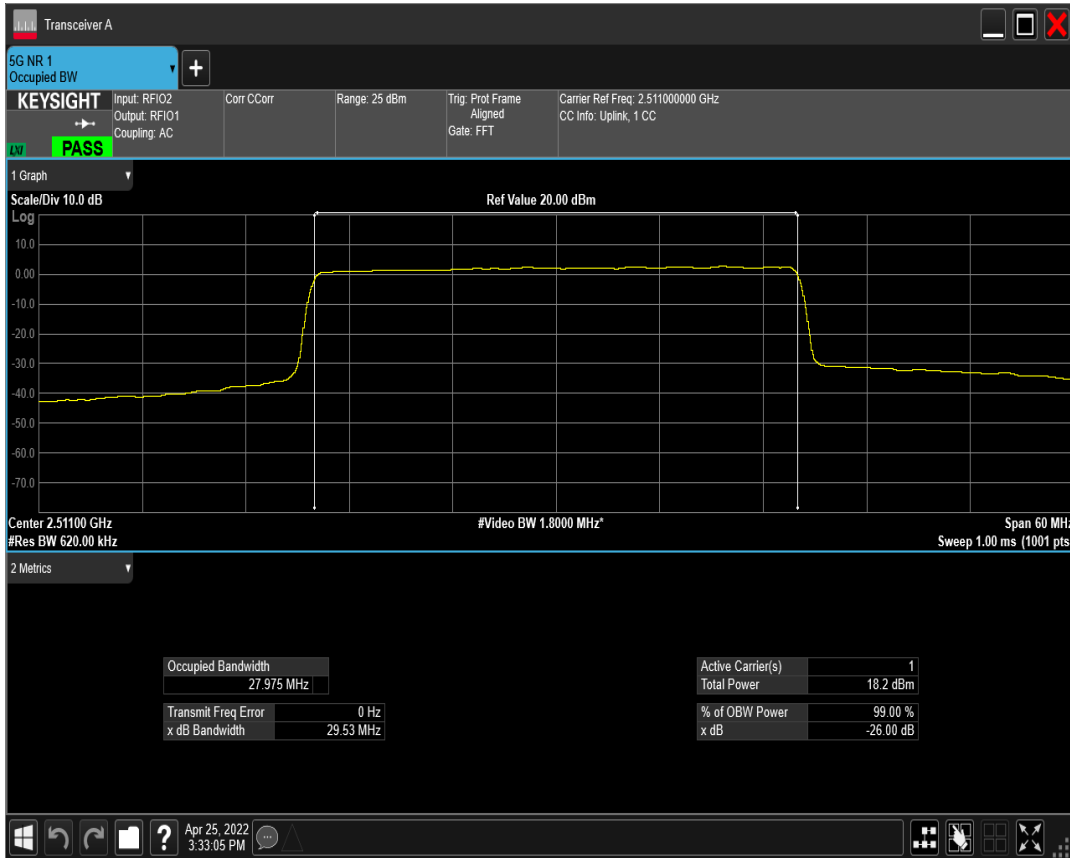


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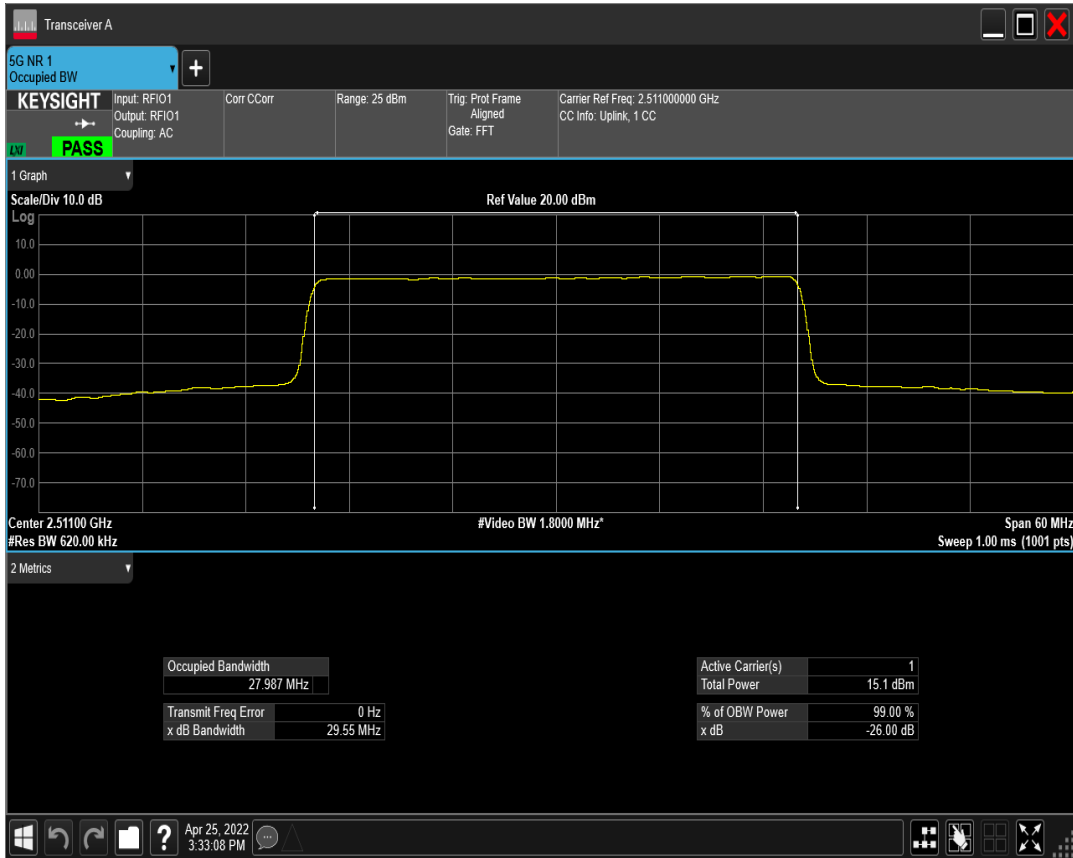


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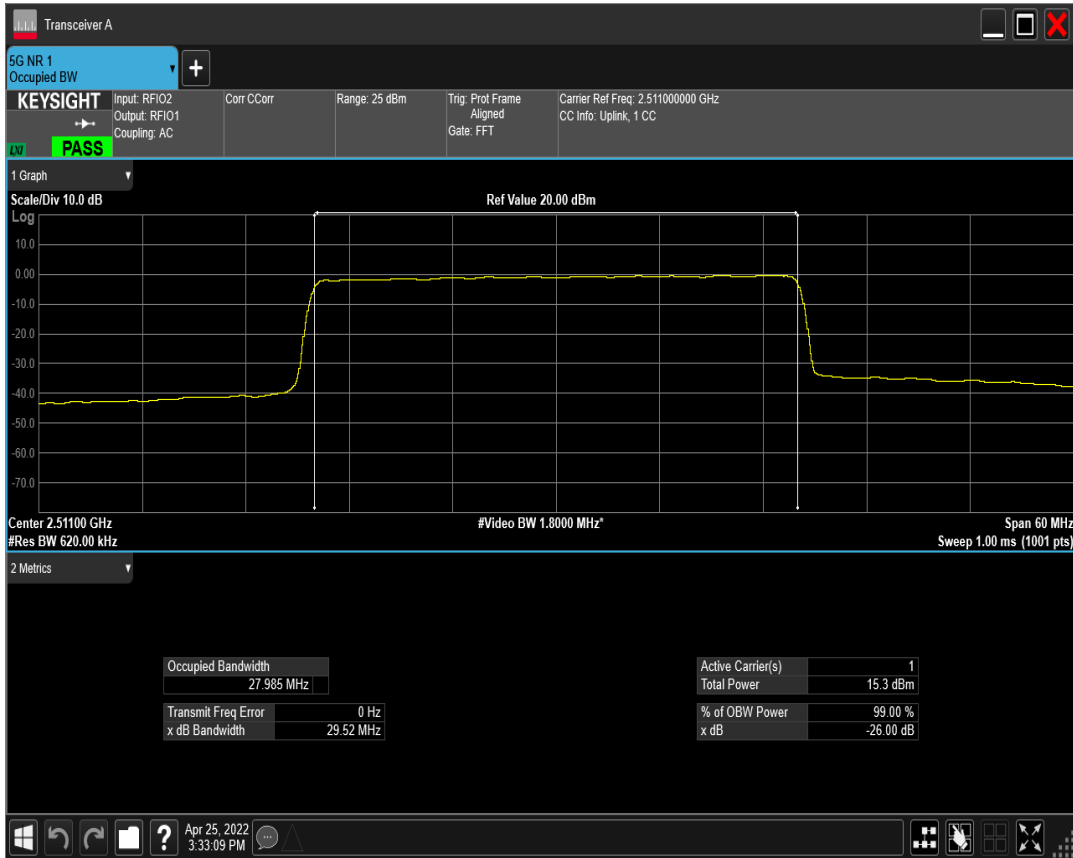




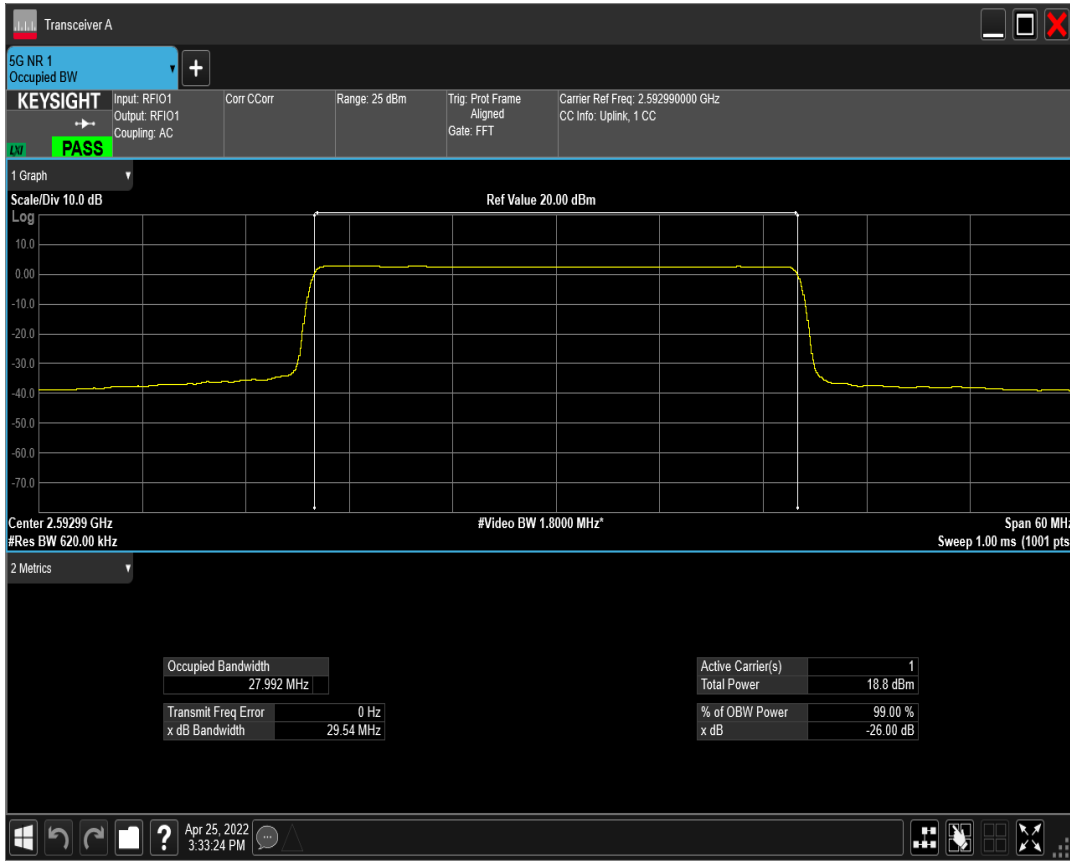
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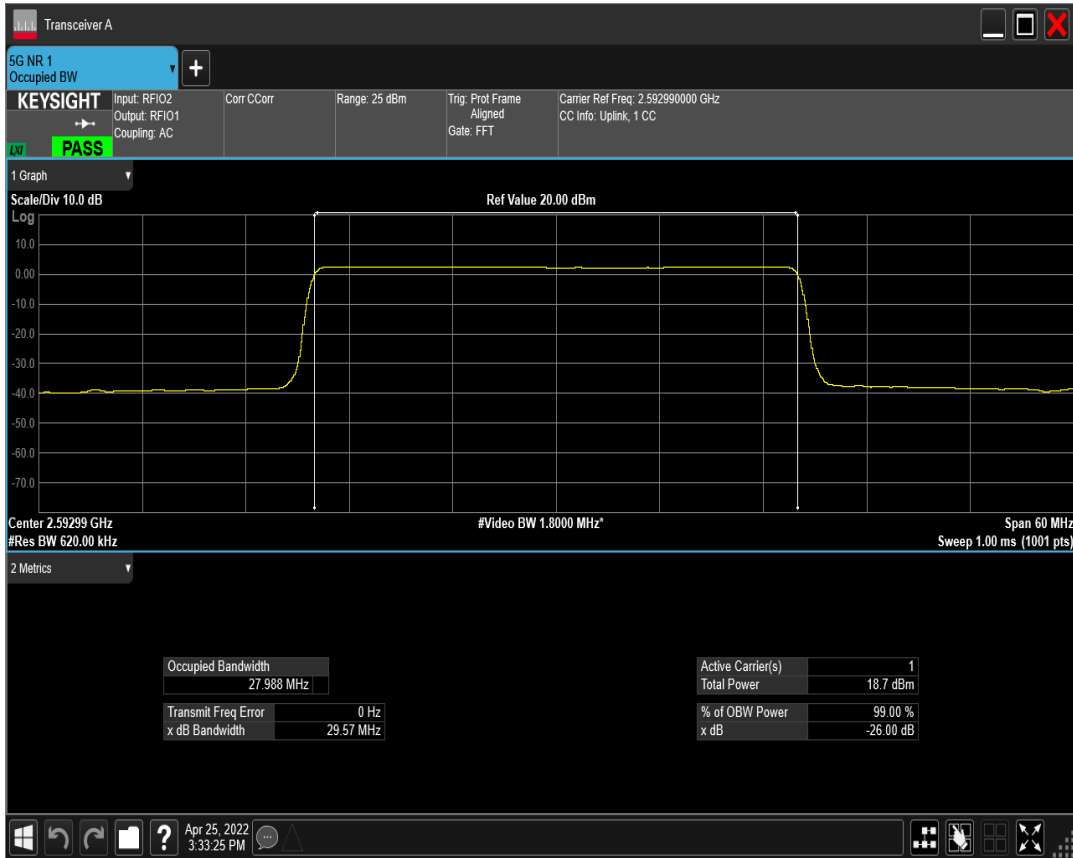
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n41 SCS=30kHz CP\_QPSK BW=30MHz Channel=518598 RB=78@0 ant1



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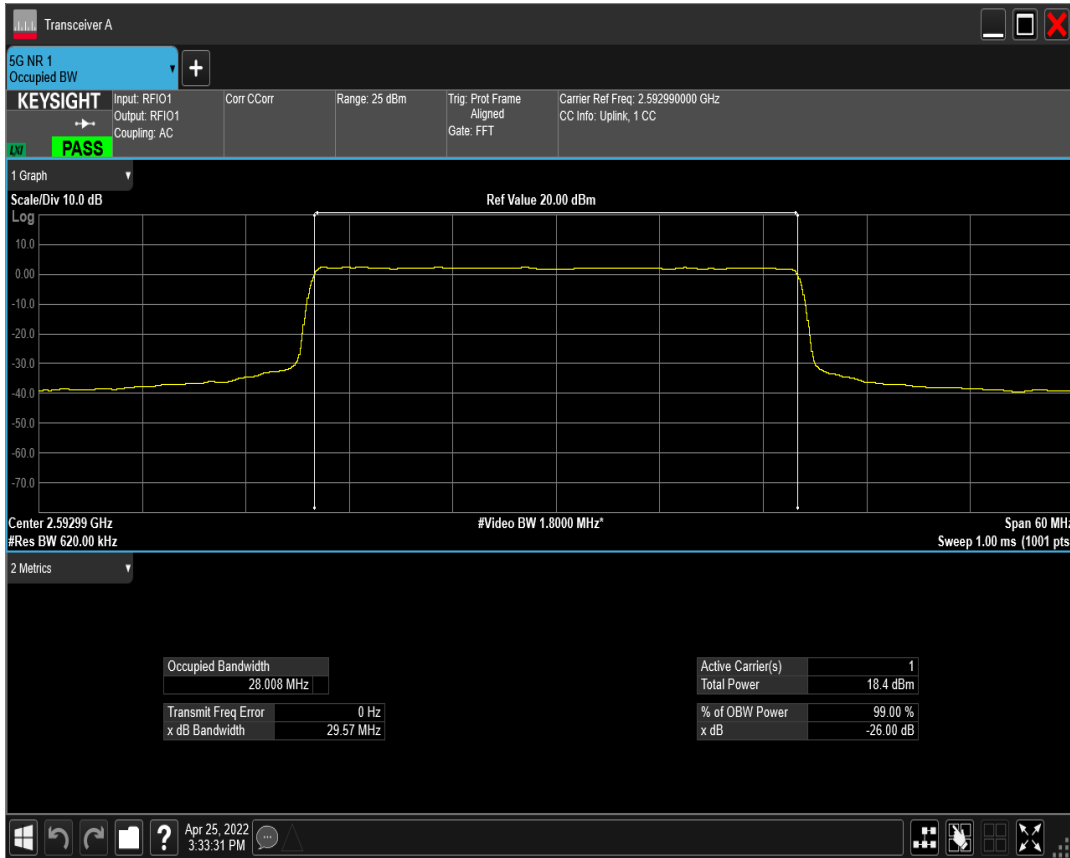
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n41 SCS=30kHz CP\_QAM16 BW=30MHz Channel=518598 RB=78@0 ant2



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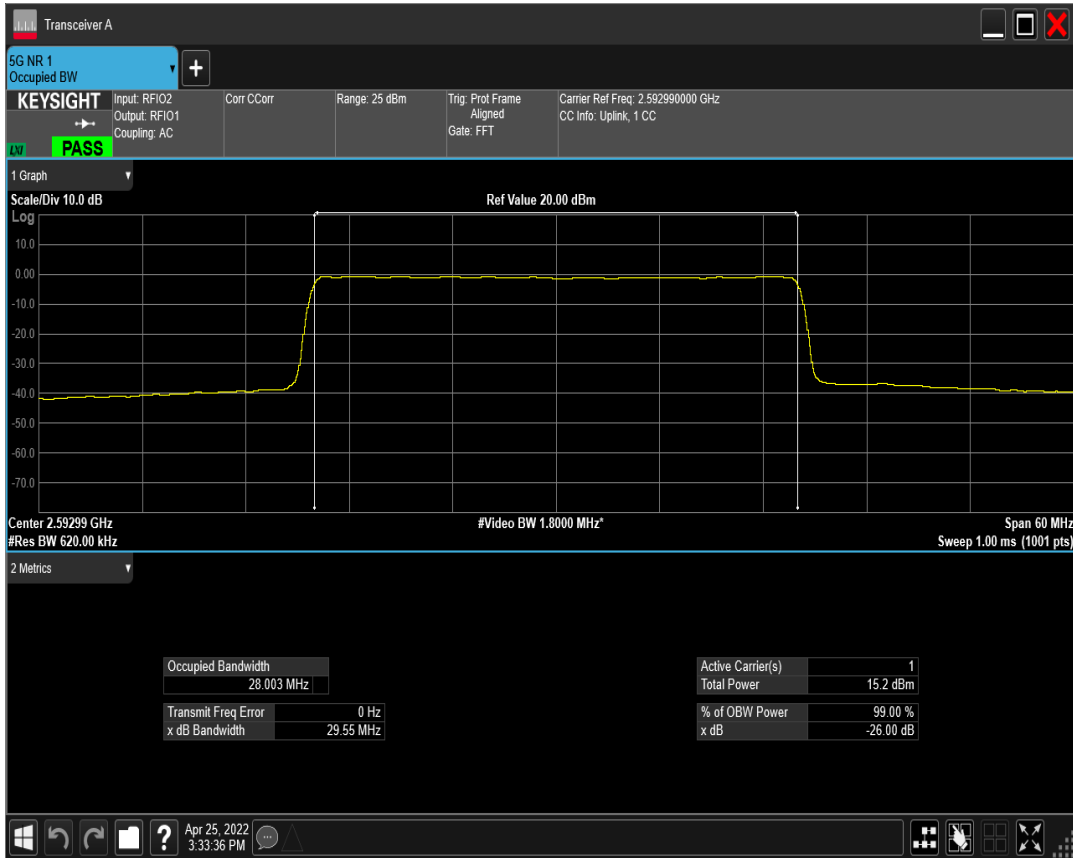




n41 SCS=30kHz CP\_QAM256 BW=30MHz Channel=518598 RB=78@0 ant1



n41 SCS=30kHz CP\_QAM256 BW=30MHz Channel=518598 RB=78@0 ant2



n41 SCS=30kHz CP\_QPSK BW=30MHz Channel=534996 RB=78@0 ant1



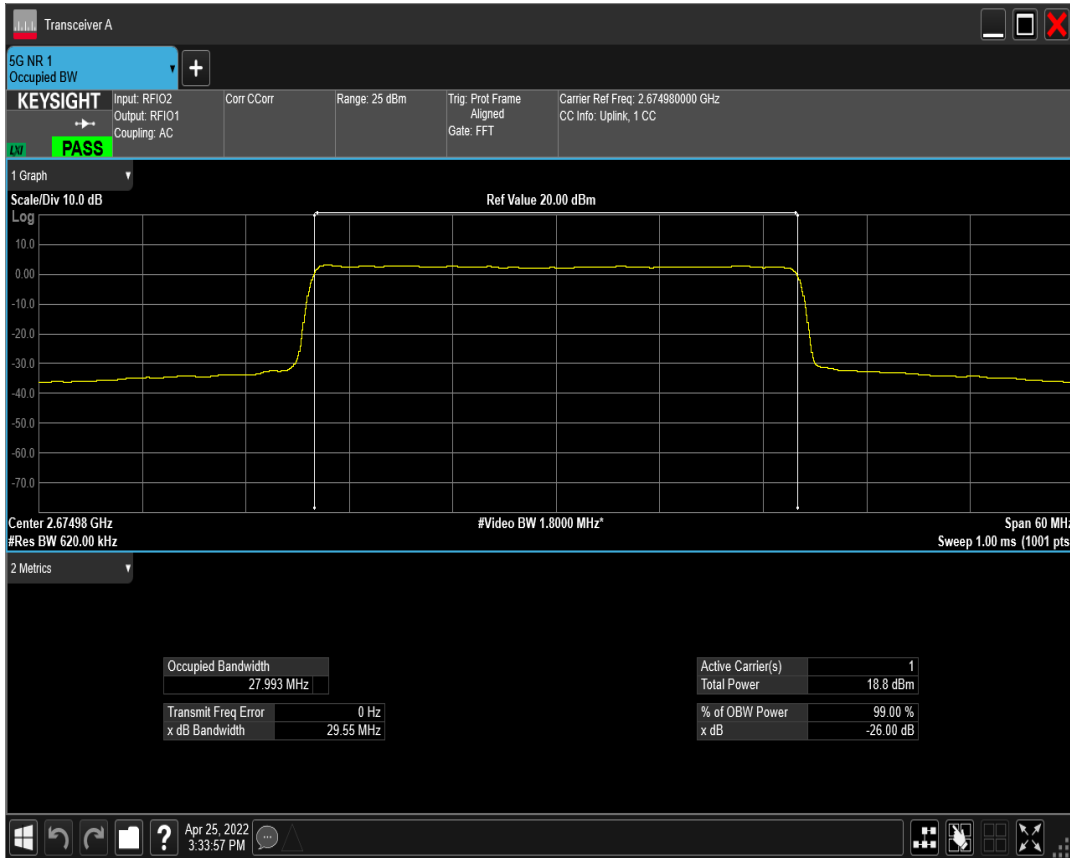
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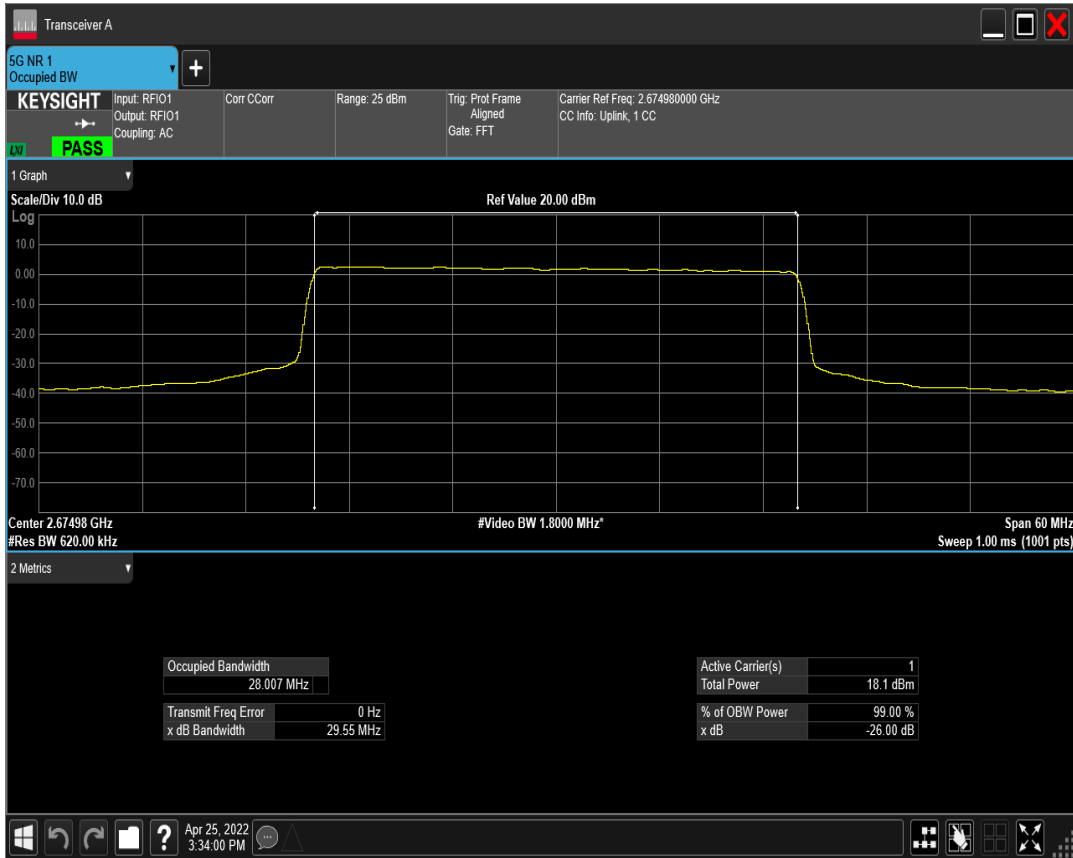
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n41 SCS=30kHz CP\_QAM16 BW=30MHz Channel=534996 RB=78@0 ant2

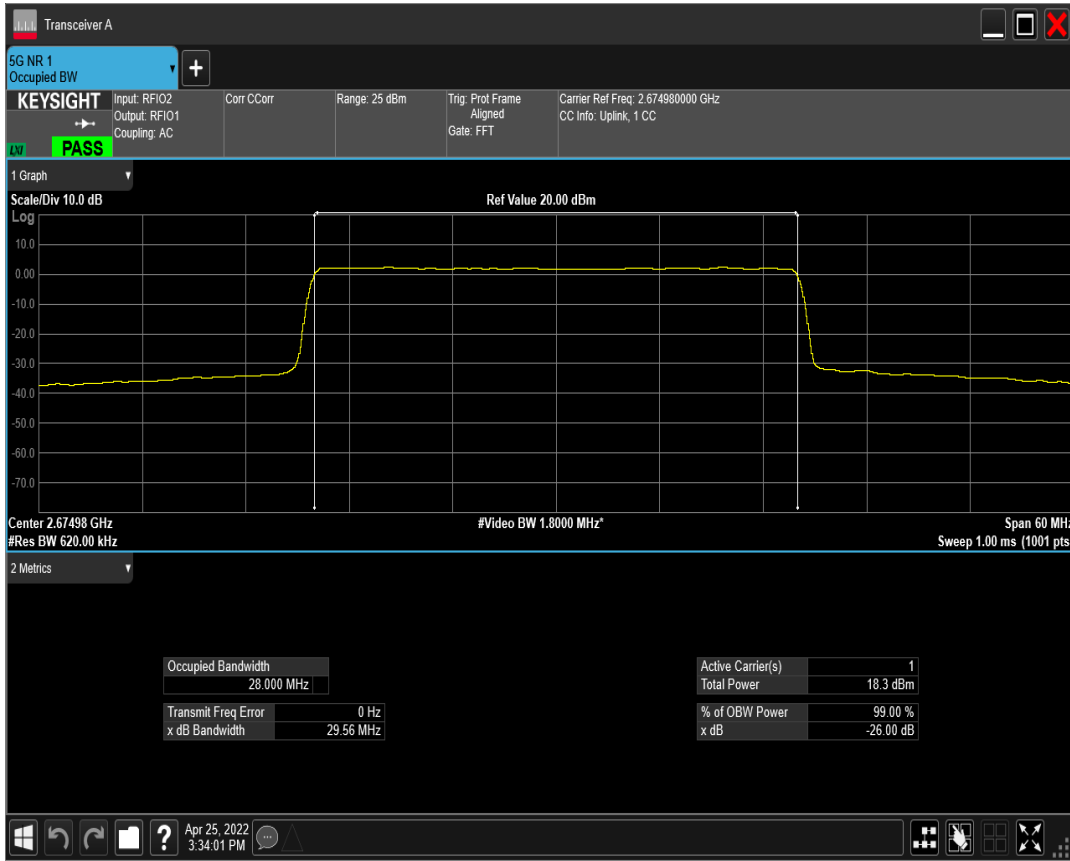


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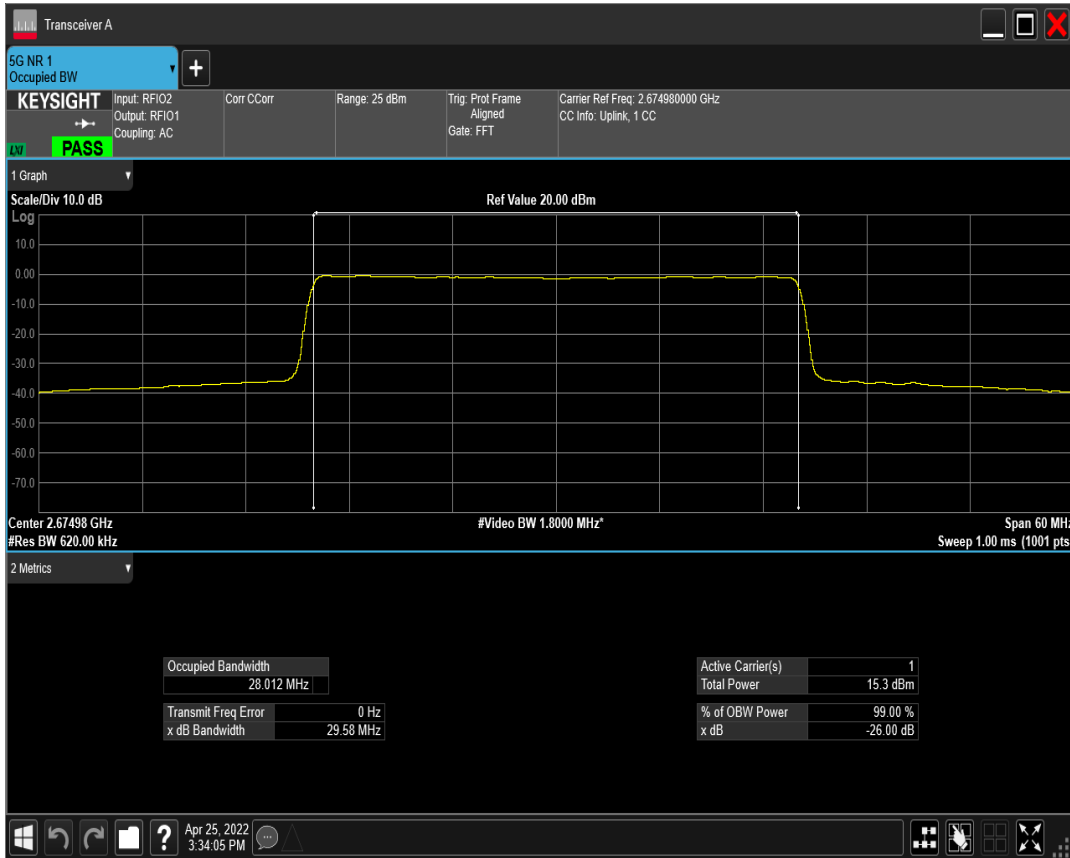




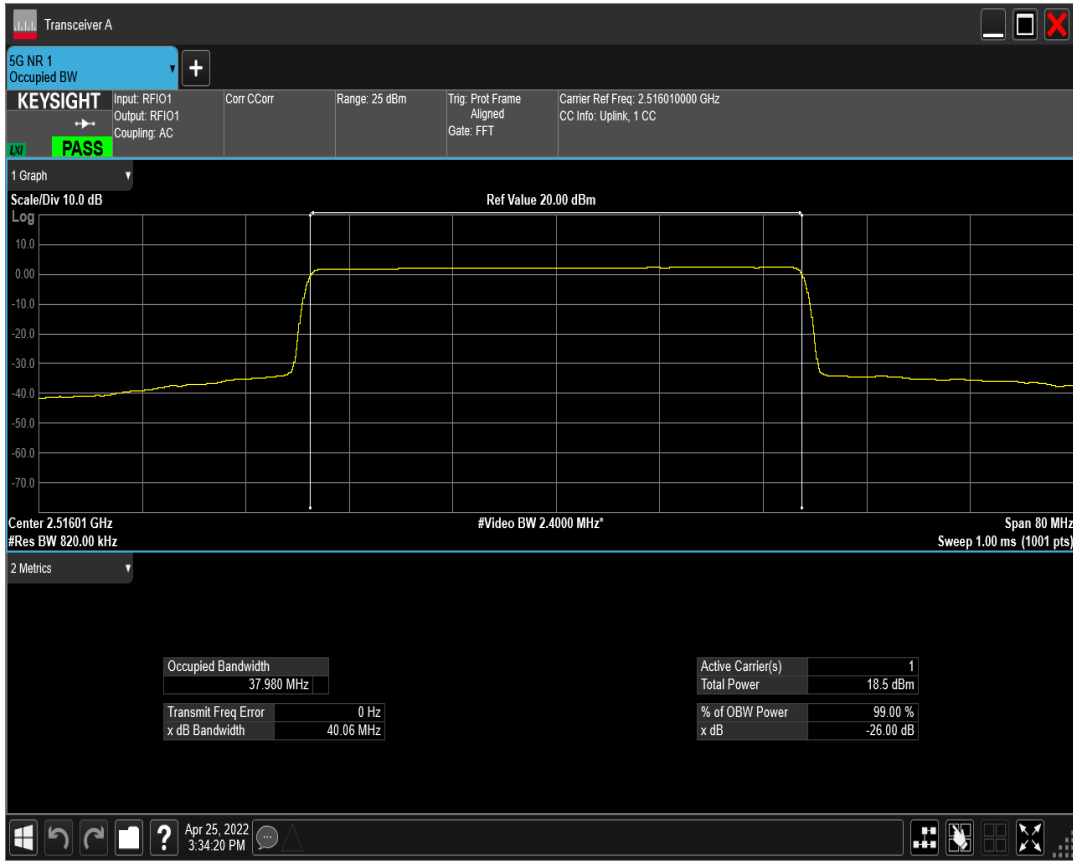
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n41 SCS=30kHz CP\_QAM256 BW=30MHz Channel=534996 RB=78@0 ant2



n41 SCS=30kHz CP\_QPSK BW=40MHz Channel=503202 RB=106@0 ant1

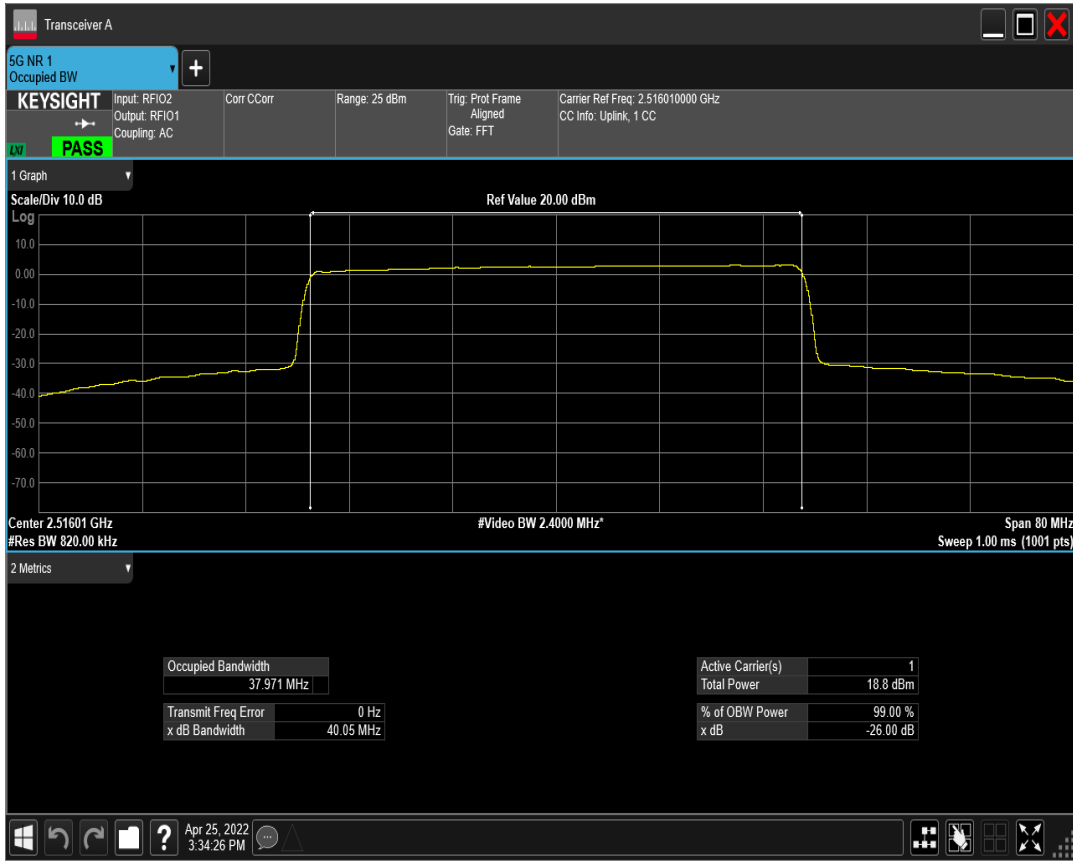


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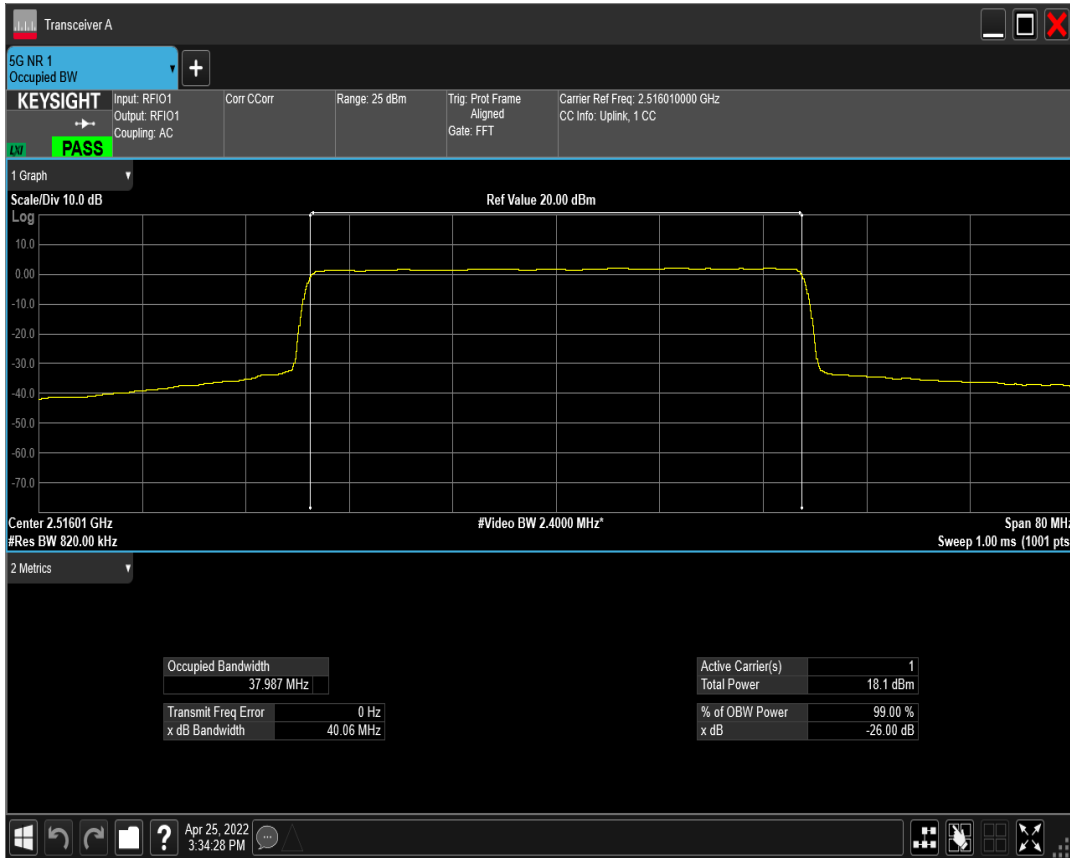




n41 SCS=30kHz CP\_QAM16 BW=40MHz Channel=503202 RB=106@0 ant2

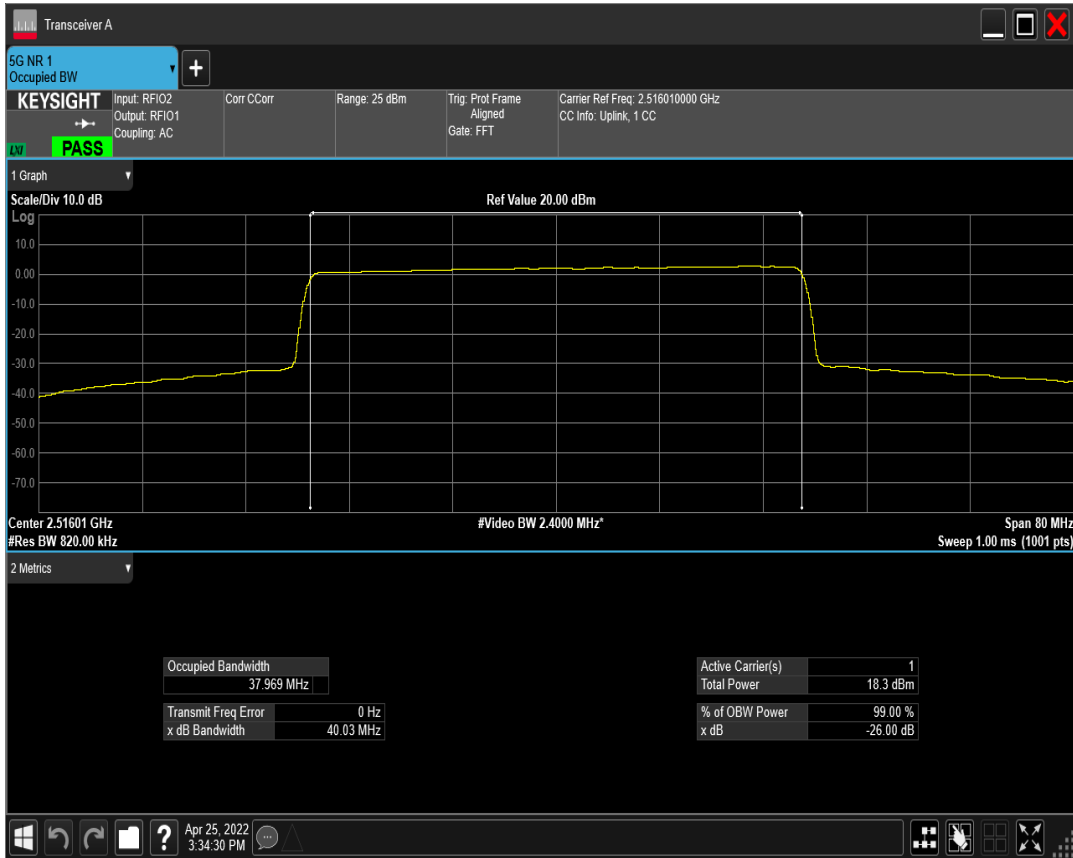


n41 SCS=30kHz CP\_QAM64 BW=40MHz Channel=503202 RB=106@0 ant1



n41 SCS=30kHz CP\_QAM64 BW=40MHz Channel=503202 RB=106@0 ant2





n41 SCS=30kHz CP\_QAM256 BW=40MHz Channel=503202 RB=106@0 ant1



n41 SCS=30kHz CP\_QAM256 BW=40MHz Channel=503202 RB=106@0 ant2