

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	20.48	24.08		PASS
n41	ant2	30	20	501204	25@12	CP_QPSK	20.76	21.86		PASS
n41	sum	30	20	501204	25@12	CP_QPSK	23.63	26.12	33	PASS
n41	ant1	30	20	501204	1@1	CP_QPSK	20.66	24.26		PASS
n41	ant2	30	20	501204	1@1	CP_QPSK	20.94	22.04		PASS
n41	sum	30	20	501204	1@1	CP_QPSK	23.81	26.30	33	PASS
n41	ant1	30	20	501204	1@49	CP_QPSK	20.12	23.72		PASS
n41	ant2	30	20	501204	1@49	CP_QPSK	20.79	21.89		PASS
n41	sum	30	20	501204	1@49	CP_QPSK	23.48	25.91	33	PASS
n41	ant1	30	20	501204	25@12	CP_QAM16	19.99	23.59		PASS
n41	ant2	30	20	501204	25@12	CP_QAM16	20.32	21.42		PASS
n41	sum	30	20	501204	25@12	CP_QAM16	23.17	25.65	33	PASS
n41	ant1	30	20	501204	1@1	CP_QAM16	20.44	24.04		PASS
n41	ant2	30	20	501204	1@1	CP_QAM16	20.08	21.18		PASS
n41	sum	30	20	501204	1@1	CP_QAM16	23.27	25.85	33	PASS
n41	ant1	30	20	501204	1@49	CP_QAM16	20.00	23.60		PASS
n41	ant2	30	20	501204	1@49	CP_QAM16	20.00	21.10		PASS
n41	sum	30	20	501204	1@49	CP_QAM16	23.01	25.54	33	PASS
n41	ant1	30	20	501204	25@12	CP_QAM64	18.55	22.15		PASS
n41	ant2	30	20	501204	25@12	CP_QAM64	18.69	19.79		PASS
n41	sum	30	20	501204	25@12	CP_QAM64	21.63	24.14	33	PASS
n41	ant1	30	20	501204	1@1	CP_QAM64	19.19	22.79		PASS
n41	ant2	30	20	501204	1@1	CP_QAM64	19.20	20.30		PASS
n41	sum	30	20	501204	1@1	CP_QAM64	22.21	24.73	33	PASS
n41	ant1	30	20	501204	1@49	CP_QAM64	18.54	22.14		PASS
n41	ant2	30	20	501204	1@49	CP_QAM64	19.10	20.20		PASS
n41	sum	30	20	501204	1@49	CP_QAM64	21.84	24.29	33	PASS
n41	ant1	30	20	501204	25@12	CP_QAM256	15.65	19.25		PASS
n41	ant2	30	20	501204	25@12	CP_QAM256	15.88	16.98		PASS
n41	sum	30	20	501204	25@12	CP_QAM256	18.78	21.27	33	PASS
n41	ant1	30	20	501204	1@1	CP_QAM256	15.97	19.57		PASS
n41	ant2	30	20	501204	1@1	CP_QAM256	16.07	17.17		PASS
n41	sum	30	20	501204	1@1	CP_QAM256	19.03	21.54	33	PASS
n41	ant1	30	20	501204	1@49	CP_QAM256	15.52	19.12		PASS
n41	ant2	30	20	501204	1@49	CP_QAM256	16.00	17.10		PASS
n41	sum	30	20	501204	1@49	CP_QAM256	18.78	21.24	33	PASS
n41	ant1	30	20	518598	25@12	CP_QPSK	20.21	23.81		PASS
n41	ant2	30	20	518598	25@12	CP_QPSK	20.37	21.47		PASS

n41	sum	30	20	518598	25@12	CP_QPSK	23.30	25.81	33	PASS
n41	ant1	30	20	518598	1@1	CP_QPSK	20.53	24.13		PASS
n41	ant2	30	20	518598	1@1	CP_QPSK	20.49	21.59		PASS
n41	sum	30	20	518598	1@1	CP_QPSK	23.52	26.05	33	PASS
n41	ant1	30	20	518598	1@49	CP_QPSK	20.52	24.12		PASS
n41	ant2	30	20	518598	1@49	CP_QPSK	20.33	21.43		PASS
n41	sum	30	20	518598	1@49	CP_QPSK	23.44	25.99	33	PASS
n41	ant1	30	20	518598	25@12	CP_QAM16	19.77	23.37		PASS
n41	ant2	30	20	518598	25@12	CP_QAM16	19.82	20.92		PASS
n41	sum	30	20	518598	25@12	CP_QAM16	22.81	25.33	33	PASS
n41	ant1	30	20	518598	1@1	CP_QAM16	20.10	23.70		PASS
n41	ant2	30	20	518598	1@1	CP_QAM16	19.76	20.86		PASS
n41	sum	30	20	518598	1@1	CP_QAM16	22.94	25.52	33	PASS
n41	ant1	30	20	518598	1@49	CP_QAM16	20.09	23.69		PASS
n41	ant2	30	20	518598	1@49	CP_QAM16	19.51	20.61		PASS
n41	sum	30	20	518598	1@49	CP_QAM16	22.82	25.43	33	PASS
n41	ant1	30	20	518598	25@12	CP_QAM64	18.33	21.93		PASS
n41	ant2	30	20	518598	25@12	CP_QAM64	18.38	19.48		PASS
n41	sum	30	20	518598	25@12	CP_QAM64	21.37	23.89	33	PASS
n41	ant1	30	20	518598	1@1	CP_QAM64	18.92	22.52		PASS
n41	ant2	30	20	518598	1@1	CP_QAM64	18.66	19.76		PASS
n41	sum	30	20	518598	1@1	CP_QAM64	21.80	24.37	33	PASS
n41	ant1	30	20	518598	1@49	CP_QAM64	19.18	22.78		PASS
n41	ant2	30	20	518598	1@49	CP_QAM64	18.57	19.67		PASS
n41	sum	30	20	518598	1@49	CP_QAM64	21.90	24.51	33	PASS
n41	ant1	30	20	518598	25@12	CP_QAM256	15.25	18.85		PASS
n41	ant2	30	20	518598	25@12	CP_QAM256	15.41	16.51		PASS
n41	sum	30	20	518598	25@12	CP_QAM256	18.34	20.85	33	PASS
n41	ant1	30	20	518598	1@1	CP_QAM256	15.69	19.29		PASS
n41	ant2	30	20	518598	1@1	CP_QAM256	15.73	16.83		PASS
n41	sum	30	20	518598	1@1	CP_QAM256	18.72	21.24	33	PASS
n41	ant1	30	20	518598	1@49	CP_QAM256	15.76	19.36		PASS
n41	ant2	30	20	518598	1@49	CP_QAM256	15.44	16.54		PASS
n41	sum	30	20	518598	1@49	CP_QAM256	18.61	21.19	33	PASS
n41	ant1	30	20	535998	25@12	CP_QPSK	20.71	24.31		PASS
n41	ant2	30	20	535998	25@12	CP_QPSK	20.52	21.62		PASS
n41	sum	30	20	535998	25@12	CP_QPSK	23.63	26.18	33	PASS
n41	ant1	30	20	535998	1@1	CP_QPSK	20.51	24.11		PASS
n41	ant2	30	20	535998	1@1	CP_QPSK	20.29	21.39		PASS
n41	sum	30	20	535998	1@1	CP_QPSK	23.41	25.97	33	PASS
n41	ant1	30	20	535998	1@49	CP_QPSK	20.47	24.07		PASS
n41	ant2	30	20	535998	1@49	CP_QPSK	20.47	21.57		PASS

n41	sum	30	20	535998	1@49	CP_QPSK	23.48	26.01	33	PASS
n41	ant1	30	20	535998	25@12	CP_QAM16	20.22	23.82		PASS
n41	ant2	30	20	535998	25@12	CP_QAM16	19.92	21.02		PASS
n41	sum	30	20	535998	25@12	CP_QAM16	23.08	25.65	33	PASS
n41	ant1	30	20	535998	1@1	CP_QAM16	20.26	23.86		PASS
n41	ant2	30	20	535998	1@1	CP_QAM16	19.60	20.70		PASS
n41	sum	30	20	535998	1@1	CP_QAM16	22.95	25.57	33	PASS
n41	ant1	30	20	535998	1@49	CP_QAM16	20.26	23.86		PASS
n41	ant2	30	20	535998	1@49	CP_QAM16	19.57	20.67		PASS
n41	sum	30	20	535998	1@49	CP_QAM16	22.94	25.56	33	PASS
n41	ant1	30	20	535998	25@12	CP_QAM64	18.66	22.26		PASS
n41	ant2	30	20	535998	25@12	CP_QAM64	18.42	19.52		PASS
n41	sum	30	20	535998	25@12	CP_QAM64	21.55	24.11	33	PASS
n41	ant1	30	20	535998	1@1	CP_QAM64	18.92	22.52		PASS
n41	ant2	30	20	535998	1@1	CP_QAM64	18.70	19.80		PASS
n41	sum	30	20	535998	1@1	CP_QAM64	21.82	24.38	33	PASS
n41	ant1	30	20	535998	1@49	CP_QAM64	18.95	22.55		PASS
n41	ant2	30	20	535998	1@49	CP_QAM64	18.76	19.86		PASS
n41	sum	30	20	535998	1@49	CP_QAM64	21.87	24.42	33	PASS
n41	ant1	30	20	535998	25@12	CP_QAM256	15.80	19.40		PASS
n41	ant2	30	20	535998	25@12	CP_QAM256	15.45	16.55		PASS
n41	sum	30	20	535998	25@12	CP_QAM256	18.64	21.22	33	PASS
n41	ant1	30	20	535998	1@1	CP_QAM256	15.84	19.44		PASS
n41	ant2	30	20	535998	1@1	CP_QAM256	15.42	16.52		PASS
n41	sum	30	20	535998	1@1	CP_QAM256	18.65	21.23	33	PASS
n41	ant1	30	20	535998	1@49	CP_QAM256	15.86	19.46		PASS
n41	ant2	30	20	535998	1@49	CP_QAM256	15.58	16.68		PASS
n41	sum	30	20	535998	1@49	CP_QAM256	18.73	21.30	33	PASS
n41	ant1	30	30	502200	39@19	CP_QPSK	20.44	24.04		PASS
n41	ant2	30	30	502200	39@19	CP_QPSK	20.85	21.95		PASS
n41	sum	30	30	502200	39@19	CP_QPSK	23.66	26.13	33	PASS
n41	ant1	30	30	502200	1@1	CP_QPSK	20.84	24.44		PASS
n41	ant2	30	30	502200	1@1	CP_QPSK	20.87	21.97		PASS
n41	sum	30	30	502200	1@1	CP_QPSK	23.87	26.39	33	PASS
n41	ant1	30	30	502200	1@76	CP_QPSK	20.53	24.13		PASS
n41	ant2	30	30	502200	1@76	CP_QPSK	20.95	22.05		PASS
n41	sum	30	30	502200	1@76	CP_QPSK	23.76	26.22	33	PASS
n41	ant1	30	30	502200	39@19	CP_QAM16	19.99	23.59		PASS
n41	ant2	30	30	502200	39@19	CP_QAM16	20.41	21.51		PASS
n41	sum	30	30	502200	39@19	CP_QAM16	23.22	25.68	33	PASS
n41	ant1	30	30	502200	1@1	CP_QAM16	20.39	23.99		PASS
n41	ant2	30	30	502200	1@1	CP_QAM16	20.06	21.16		PASS

n41	sum	30	30	502200	1@1	CP_QAM16	23.24	25.81	33	PASS
n41	ant1	30	30	502200	1@76	CP_QAM16	20.27	23.87		PASS
n41	ant2	30	30	502200	1@76	CP_QAM16	20.21	21.31		PASS
n41	sum	30	30	502200	1@76	CP_QAM16	23.25	25.79	33	PASS
n41	ant1	30	30	502200	39@19	CP_QAM64	18.55	22.15		PASS
n41	ant2	30	30	502200	39@19	CP_QAM64	18.87	19.97		PASS
n41	sum	30	30	502200	39@19	CP_QAM64	21.72	24.21	33	PASS
n41	ant1	30	30	502200	1@1	CP_QAM64	19.22	22.82		PASS
n41	ant2	30	30	502200	1@1	CP_QAM64	19.41	20.51		PASS
n41	sum	30	30	502200	1@1	CP_QAM64	22.33	24.83	33	PASS
n41	ant1	30	30	502200	1@76	CP_QAM64	18.82	22.42		PASS
n41	ant2	30	30	502200	1@76	CP_QAM64	19.26	20.36		PASS
n41	sum	30	30	502200	1@76	CP_QAM64	22.06	24.52	33	PASS
n41	ant1	30	30	502200	39@19	CP_QAM256	15.69	19.29		PASS
n41	ant2	30	30	502200	39@19	CP_QAM256	15.74	16.84		PASS
n41	sum	30	30	502200	39@19	CP_QAM256	18.73	21.25	33	PASS
n41	ant1	30	30	502200	1@1	CP_QAM256	16.24	19.84		PASS
n41	ant2	30	30	502200	1@1	CP_QAM256	16.49	17.59		PASS
n41	sum	30	30	502200	1@1	CP_QAM256	19.38	21.87	33	PASS
n41	ant1	30	30	502200	1@76	CP_QAM256	15.82	19.42		PASS
n41	ant2	30	30	502200	1@76	CP_QAM256	16.00	17.10		PASS
n41	sum	30	30	502200	1@76	CP_QAM256	18.92	21.42	33	PASS
n41	ant1	30	30	518598	39@19	CP_QPSK	20.55	24.15		PASS
n41	ant2	30	30	518598	39@19	CP_QPSK	20.43	21.53		PASS
n41	sum	30	30	518598	39@19	CP_QPSK	23.50	26.04	33	PASS
n41	ant1	30	30	518598	1@1	CP_QPSK	20.76	24.36		PASS
n41	ant2	30	30	518598	1@1	CP_QPSK	20.75	21.85		PASS
n41	sum	30	30	518598	1@1	CP_QPSK	23.77	26.29	33	PASS
n41	ant1	30	30	518598	1@76	CP_QPSK	20.93	24.53		PASS
n41	ant2	30	30	518598	1@76	CP_QPSK	20.76	21.86		PASS
n41	sum	30	30	518598	1@76	CP_QPSK	23.86	26.41	33	PASS
n41	ant1	30	30	518598	39@19	CP_QAM16	19.85	23.45		PASS
n41	ant2	30	30	518598	39@19	CP_QAM16	19.92	21.02		PASS
n41	sum	30	30	518598	39@19	CP_QAM16	22.90	25.41	33	PASS
n41	ant1	30	30	518598	1@1	CP_QAM16	20.01	23.61		PASS
n41	ant2	30	30	518598	1@1	CP_QAM16	20.15	21.25		PASS
n41	sum	30	30	518598	1@1	CP_QAM16	23.09	25.60	33	PASS
n41	ant1	30	30	518598	1@76	CP_QAM16	20.60	24.20		PASS
n41	ant2	30	30	518598	1@76	CP_QAM16	20.25	21.35		PASS
n41	sum	30	30	518598	1@76	CP_QAM16	23.44	26.02	33	PASS
n41	ant1	30	30	518598	39@19	CP_QAM64	18.42	22.02		PASS
n41	ant2	30	30	518598	39@19	CP_QAM64	18.38	19.48		PASS

n41	sum	30	30	518598	39@19	CP_QAM64	21.41	23.94	33	PASS
n41	ant1	30	30	518598	1@1	CP_QAM64	19.04	22.64		PASS
n41	ant2	30	30	518598	1@1	CP_QAM64	18.65	19.75		PASS
n41	sum	30	30	518598	1@1	CP_QAM64	21.86	24.44	33	PASS
n41	ant1	30	30	518598	1@76	CP_QAM64	19.30	22.90		PASS
n41	ant2	30	30	518598	1@76	CP_QAM64	18.70	19.80		PASS
n41	sum	30	30	518598	1@76	CP_QAM64	22.02	24.63	33	PASS
n41	ant1	30	30	518598	39@19	CP_QAM256	15.40	19.00		PASS
n41	ant2	30	30	518598	39@19	CP_QAM256	15.36	16.46		PASS
n41	sum	30	30	518598	39@19	CP_QAM256	18.39	20.92	33	PASS
n41	ant1	30	30	518598	1@1	CP_QAM256	16.21	19.81		PASS
n41	ant2	30	30	518598	1@1	CP_QAM256	15.93	17.03		PASS
n41	sum	30	30	518598	1@1	CP_QAM256	19.08	21.65	33	PASS
n41	ant1	30	30	518598	1@76	CP_QAM256	16.13	19.73		PASS
n41	ant2	30	30	518598	1@76	CP_QAM256	15.81	16.91		PASS
n41	sum	30	30	518598	1@76	CP_QAM256	18.98	21.56	33	PASS
n41	ant1	30	30	534996	39@19	CP_QPSK	20.70	24.30		PASS
n41	ant2	30	30	534996	39@19	CP_QPSK	20.47	21.57		PASS
n41	sum	30	30	534996	39@19	CP_QPSK	23.60	26.16	33	PASS
n41	ant1	30	30	534996	1@1	CP_QPSK	20.55	24.15		PASS
n41	ant2	30	30	534996	1@1	CP_QPSK	20.46	21.56		PASS
n41	sum	30	30	534996	1@1	CP_QPSK	23.52	26.06	33	PASS
n41	ant1	30	30	534996	1@76	CP_QPSK	20.80	24.40		PASS
n41	ant2	30	30	534996	1@76	CP_QPSK	20.74	21.84		PASS
n41	sum	30	30	534996	1@76	CP_QPSK	23.78	26.32	33	PASS
n41	ant1	30	30	534996	39@19	CP_QAM16	20.17	23.77		PASS
n41	ant2	30	30	534996	39@19	CP_QAM16	19.97	21.07		PASS
n41	sum	30	30	534996	39@19	CP_QAM16	23.08	25.64	33	PASS
n41	ant1	30	30	534996	1@1	CP_QAM16	19.75	23.35		PASS
n41	ant2	30	30	534996	1@1	CP_QAM16	20.01	21.11		PASS
n41	sum	30	30	534996	1@1	CP_QAM16	22.89	25.38	33	PASS
n41	ant1	30	30	534996	1@76	CP_QAM16	20.05	23.65		PASS
n41	ant2	30	30	534996	1@76	CP_QAM16	20.30	21.40		PASS
n41	sum	30	30	534996	1@76	CP_QAM16	23.19	25.68	33	PASS
n41	ant1	30	30	534996	39@19	CP_QAM64	18.75	22.35		PASS
n41	ant2	30	30	534996	39@19	CP_QAM64	18.47	19.57		PASS
n41	sum	30	30	534996	39@19	CP_QAM64	21.62	24.19	33	PASS
n41	ant1	30	30	534996	1@1	CP_QAM64	18.82	22.42		PASS
n41	ant2	30	30	534996	1@1	CP_QAM64	18.50	19.60		PASS
n41	sum	30	30	534996	1@1	CP_QAM64	21.67	24.25	33	PASS
n41	ant1	30	30	534996	1@76	CP_QAM64	19.42	23.02		PASS
n41	ant2	30	30	534996	1@76	CP_QAM64	18.71	19.81		PASS

n41	sum	30	30	534996	1@76	CP_QAM64	22.09	24.72	33	PASS
n41	ant1	30	30	534996	39@19	CP_QAM256	15.63	19.23		PASS
n41	ant2	30	30	534996	39@19	CP_QAM256	15.40	16.50		PASS
n41	sum	30	30	534996	39@19	CP_QAM256	18.53	21.09	33	PASS
n41	ant1	30	30	534996	1@1	CP_QAM256	15.84	19.44		PASS
n41	ant2	30	30	534996	1@1	CP_QAM256	15.51	16.61		PASS
n41	sum	30	30	534996	1@1	CP_QAM256	18.69	21.26	33	PASS
n41	ant1	30	30	534996	1@76	CP_QAM256	16.07	19.67		PASS
n41	ant2	30	30	534996	1@76	CP_QAM256	15.79	16.89		PASS
n41	sum	30	30	534996	1@76	CP_QAM256	18.94	21.51	33	PASS
n41	ant1	30	40	503202	53@26	CP_QPSK	20.42	24.02		PASS
n41	ant2	30	40	503202	53@26	CP_QPSK	21.03	22.13		PASS
n41	sum	30	40	503202	53@26	CP_QPSK	23.75	26.19	33	PASS
n41	ant1	30	40	503202	1@1	CP_QPSK	20.90	24.50		PASS
n41	ant2	30	40	503202	1@1	CP_QPSK	21.12	22.22		PASS
n41	sum	30	40	503202	1@1	CP_QPSK	24.02	26.52	33	PASS
n41	ant1	30	40	503202	1@104	CP_QPSK	20.76	24.36		PASS
n41	ant2	30	40	503202	1@104	CP_QPSK	20.97	22.07		PASS
n41	sum	30	40	503202	1@104	CP_QPSK	23.88	26.37	33	PASS
n41	ant1	30	40	503202	53@26	CP_QAM16	19.99	23.59		PASS
n41	ant2	30	40	503202	53@26	CP_QAM16	20.43	21.53		PASS
n41	sum	30	40	503202	53@26	CP_QAM16	23.23	25.69	33	PASS
n41	ant1	30	40	503202	1@1	CP_QAM16	20.51	24.11		PASS
n41	ant2	30	40	503202	1@1	CP_QAM16	20.77	21.87		PASS
n41	sum	30	40	503202	1@1	CP_QAM16	23.65	26.14	33	PASS
n41	ant1	30	40	503202	1@104	CP_QAM16	19.93	23.53		PASS
n41	ant2	30	40	503202	1@104	CP_QAM16	20.64	21.74		PASS
n41	sum	30	40	503202	1@104	CP_QAM16	23.31	25.74	33	PASS
n41	ant1	30	40	503202	53@26	CP_QAM64	18.53	22.13		PASS
n41	ant2	30	40	503202	53@26	CP_QAM64	18.97	20.07		PASS
n41	sum	30	40	503202	53@26	CP_QAM64	21.77	24.23	33	PASS
n41	ant1	30	40	503202	1@1	CP_QAM64	19.38	22.98		PASS
n41	ant2	30	40	503202	1@1	CP_QAM64	19.09	20.19		PASS
n41	sum	30	40	503202	1@1	CP_QAM64	22.25	24.82	33	PASS
n41	ant1	30	40	503202	1@104	CP_QAM64	19.15	22.75		PASS
n41	ant2	30	40	503202	1@104	CP_QAM64	19.17	20.27		PASS
n41	sum	30	40	503202	1@104	CP_QAM64	22.17	24.69	33	PASS
n41	ant1	30	40	503202	53@26	CP_QAM256	15.37	18.97		PASS
n41	ant2	30	40	503202	53@26	CP_QAM256	16.06	17.16		PASS
n41	sum	30	40	503202	53@26	CP_QAM256	18.74	21.17	33	PASS
n41	ant1	30	40	503202	1@1	CP_QAM256	16.14	19.74		PASS
n41	ant2	30	40	503202	1@1	CP_QAM256	16.18	17.28		PASS

n41	sum	30	40	503202	1@1	CP_QAM256	19.17	21.69	33	PASS
n41	ant1	30	40	503202	1@104	CP_QAM256	16.28	19.88		PASS
n41	ant2	30	40	503202	1@104	CP_QAM256	16.34	17.44		PASS
n41	sum	30	40	503202	1@104	CP_QAM256	19.32	21.84	33	PASS
n41	ant1	30	40	518598	53@26	CP_QPSK	20.39	23.99		PASS
n41	ant2	30	40	518598	53@26	CP_QPSK	20.65	21.75		PASS
n41	sum	30	40	518598	53@26	CP_QPSK	23.53	26.02	33	PASS
n41	ant1	30	40	518598	1@1	CP_QPSK	20.74	24.34		PASS
n41	ant2	30	40	518598	1@1	CP_QPSK	20.77	21.87		PASS
n41	sum	30	40	518598	1@1	CP_QPSK	23.77	26.29	33	PASS
n41	ant1	30	40	518598	1@104	CP_QPSK	20.93	24.53		PASS
n41	ant2	30	40	518598	1@104	CP_QPSK	20.72	21.82		PASS
n41	sum	30	40	518598	1@104	CP_QPSK	23.84	26.39	33	PASS
n41	ant1	30	40	518598	53@26	CP_QAM16	19.87	23.47		PASS
n41	ant2	30	40	518598	53@26	CP_QAM16	20.07	21.17		PASS
n41	sum	30	40	518598	53@26	CP_QAM16	22.98	25.48	33	PASS
n41	ant1	30	40	518598	1@1	CP_QAM16	20.35	23.95		PASS
n41	ant2	30	40	518598	1@1	CP_QAM16	20.30	21.40		PASS
n41	sum	30	40	518598	1@1	CP_QAM16	23.34	25.87	33	PASS
n41	ant1	30	40	518598	1@104	CP_QAM16	20.47	24.07		PASS
n41	ant2	30	40	518598	1@104	CP_QAM16	20.33	21.43		PASS
n41	sum	30	40	518598	1@104	CP_QAM16	23.41	25.96	33	PASS
n41	ant1	30	40	518598	53@26	CP_QAM64	18.46	22.06		PASS
n41	ant2	30	40	518598	53@26	CP_QAM64	18.71	19.81		PASS
n41	sum	30	40	518598	53@26	CP_QAM64	21.60	24.09	33	PASS
n41	ant1	30	40	518598	1@1	CP_QAM64	18.82	22.42		PASS
n41	ant2	30	40	518598	1@1	CP_QAM64	18.96	20.06		PASS
n41	sum	30	40	518598	1@1	CP_QAM64	21.90	24.41	33	PASS
n41	ant1	30	40	518598	1@104	CP_QAM64	19.34	22.94		PASS
n41	ant2	30	40	518598	1@104	CP_QAM64	19.10	20.20		PASS
n41	sum	30	40	518598	1@104	CP_QAM64	22.23	24.79	33	PASS
n41	ant1	30	40	518598	53@26	CP_QAM256	15.36	18.96		PASS
n41	ant2	30	40	518598	53@26	CP_QAM256	15.58	16.68		PASS
n41	sum	30	40	518598	53@26	CP_QAM256	18.48	20.98	33	PASS
n41	ant1	30	40	518598	1@1	CP_QAM256	16.17	19.77		PASS
n41	ant2	30	40	518598	1@1	CP_QAM256	15.95	17.05		PASS
n41	sum	30	40	518598	1@1	CP_QAM256	19.07	21.63	33	PASS
n41	ant1	30	40	518598	1@104	CP_QAM256	16.22	19.82		PASS
n41	ant2	30	40	518598	1@104	CP_QAM256	15.80	16.90		PASS
n41	sum	30	40	518598	1@104	CP_QAM256	19.03	21.61	33	PASS
n41	ant1	30	40	534000	53@26	CP_QPSK	20.63	24.23		PASS
n41	ant2	30	40	534000	53@26	CP_QPSK	20.55	21.65		PASS

n41	sum	30	40	534000	53@26	CP_QPSK	23.60	26.14	33	PASS
n41	ant1	30	40	534000	1@1	CP_QPSK	20.81	24.41		PASS
n41	ant2	30	40	534000	1@1	CP_QPSK	20.66	21.76		PASS
n41	sum	30	40	534000	1@1	CP_QPSK	23.75	26.29	33	PASS
n41	ant1	30	40	534000	1@104	CP_QPSK	20.76	24.36		PASS
n41	ant2	30	40	534000	1@104	CP_QPSK	20.70	21.80		PASS
n41	sum	30	40	534000	1@104	CP_QPSK	23.74	26.28	33	PASS
n41	ant1	30	40	534000	53@26	CP_QAM16	20.10	23.70		PASS
n41	ant2	30	40	534000	53@26	CP_QAM16	19.97	21.07		PASS
n41	sum	30	40	534000	53@26	CP_QAM16	23.05	25.59	33	PASS
n41	ant1	30	40	534000	1@1	CP_QAM16	20.53	24.13		PASS
n41	ant2	30	40	534000	1@1	CP_QAM16	20.25	21.35		PASS
n41	sum	30	40	534000	1@1	CP_QAM16	23.40	25.97	33	PASS
n41	ant1	30	40	534000	1@104	CP_QAM16	20.36	23.96		PASS
n41	ant2	30	40	534000	1@104	CP_QAM16	20.43	21.53		PASS
n41	sum	30	40	534000	1@104	CP_QAM16	23.41	25.92	33	PASS
n41	ant1	30	40	534000	53@26	CP_QAM64	18.67	22.27		PASS
n41	ant2	30	40	534000	53@26	CP_QAM64	18.60	19.70		PASS
n41	sum	30	40	534000	53@26	CP_QAM64	21.65	24.18	33	PASS
n41	ant1	30	40	534000	1@1	CP_QAM64	19.11	22.71		PASS
n41	ant2	30	40	534000	1@1	CP_QAM64	19.13	20.23		PASS
n41	sum	30	40	534000	1@1	CP_QAM64	22.13	24.65	33	PASS
n41	ant1	30	40	534000	1@104	CP_QAM64	19.12	22.72		PASS
n41	ant2	30	40	534000	1@104	CP_QAM64	19.01	20.11		PASS
n41	sum	30	40	534000	1@104	CP_QAM64	22.08	24.62	33	PASS
n41	ant1	30	40	534000	53@26	CP_QAM256	15.63	19.23		PASS
n41	ant2	30	40	534000	53@26	CP_QAM256	15.44	16.54		PASS
n41	sum	30	40	534000	53@26	CP_QAM256	18.55	21.10	33	PASS
n41	ant1	30	40	534000	1@1	CP_QAM256	16.01	19.61		PASS
n41	ant2	30	40	534000	1@1	CP_QAM256	15.80	16.90		PASS
n41	sum	30	40	534000	1@1	CP_QAM256	18.92	21.47	33	PASS
n41	ant1	30	40	534000	1@104	CP_QAM256	15.96	19.56		PASS
n41	ant2	30	40	534000	1@104	CP_QAM256	15.87	16.97		PASS
n41	sum	30	40	534000	1@104	CP_QAM256	18.93	21.47	33	PASS
n41	ant1	30	50	504204	67@33	CP_QPSK	20.37	23.97		PASS
n41	ant2	30	50	504204	67@33	CP_QPSK	20.86	21.96		PASS
n41	sum	30	50	504204	67@33	CP_QPSK	23.63	26.09	33	PASS
n41	ant1	30	50	504204	1@1	CP_QPSK	20.54	24.14		PASS
n41	ant2	30	50	504204	1@1	CP_QPSK	20.87	21.97		PASS
n41	sum	30	50	504204	1@1	CP_QPSK	23.72	26.20	33	PASS
n41	ant1	30	50	504204	1@131	CP_QPSK	20.49	24.09		PASS
n41	ant2	30	50	504204	1@131	CP_QPSK	20.82	21.92		PASS

n41	sum	30	50	504204	1@131	CP_QPSK	23.67	26.15	33	PASS
n41	ant1	30	50	504204	67@33	CP_QAM16	19.84	23.44		PASS
n41	ant2	30	50	504204	67@33	CP_QAM16	20.41	21.51		PASS
n41	sum	30	50	504204	67@33	CP_QAM16	23.14	25.59	33	PASS
n41	ant1	30	50	504204	1@1	CP_QAM16	20.35	23.95		PASS
n41	ant2	30	50	504204	1@1	CP_QAM16	20.49	21.59		PASS
n41	sum	30	50	504204	1@1	CP_QAM16	23.43	25.94	33	PASS
n41	ant1	30	50	504204	1@131	CP_QAM16	20.20	23.80		PASS
n41	ant2	30	50	504204	1@131	CP_QAM16	20.49	21.59		PASS
n41	sum	30	50	504204	1@131	CP_QAM16	23.36	25.84	33	PASS
n41	ant1	30	50	504204	67@33	CP_QAM64	18.38	21.98		PASS
n41	ant2	30	50	504204	67@33	CP_QAM64	18.93	20.03		PASS
n41	sum	30	50	504204	67@33	CP_QAM64	21.67	24.12	33	PASS
n41	ant1	30	50	504204	1@1	CP_QAM64	19.38	22.98		PASS
n41	ant2	30	50	504204	1@1	CP_QAM64	19.19	20.29		PASS
n41	sum	30	50	504204	1@1	CP_QAM64	22.30	24.85	33	PASS
n41	ant1	30	50	504204	1@131	CP_QAM64	18.90	22.50		PASS
n41	ant2	30	50	504204	1@131	CP_QAM64	19.13	20.23		PASS
n41	sum	30	50	504204	1@131	CP_QAM64	22.03	24.52	33	PASS
n41	ant1	30	50	504204	67@33	CP_QAM256	15.39	18.99		PASS
n41	ant2	30	50	504204	67@33	CP_QAM256	15.98	17.08		PASS
n41	sum	30	50	504204	67@33	CP_QAM256	18.71	21.15	33	PASS
n41	ant1	30	50	504204	1@1	CP_QAM256	16.20	19.80		PASS
n41	ant2	30	50	504204	1@1	CP_QAM256	16.30	17.40		PASS
n41	sum	30	50	504204	1@1	CP_QAM256	19.26	21.77	33	PASS
n41	ant1	30	50	504204	1@131	CP_QAM256	15.74	19.34		PASS
n41	ant2	30	50	504204	1@131	CP_QAM256	15.94	17.04		PASS
n41	sum	30	50	504204	1@131	CP_QAM256	18.85	21.35	33	PASS
n41	ant1	30	50	518598	67@33	CP_QPSK	20.37	23.97		PASS
n41	ant2	30	50	518598	67@33	CP_QPSK	20.56	21.66		PASS
n41	sum	30	50	518598	67@33	CP_QPSK	23.48	25.98	33	PASS
n41	ant1	30	50	518598	1@1	CP_QPSK	20.56	24.16		PASS
n41	ant2	30	50	518598	1@1	CP_QPSK	20.61	21.71		PASS
n41	sum	30	50	518598	1@1	CP_QPSK	23.60	26.12	33	PASS
n41	ant1	30	50	518598	1@131	CP_QPSK	20.64	24.24		PASS
n41	ant2	30	50	518598	1@131	CP_QPSK	20.44	21.54		PASS
n41	sum	30	50	518598	1@131	CP_QPSK	23.55	26.11	33	PASS
n41	ant1	30	50	518598	67@33	CP_QAM16	19.81	23.41		PASS
n41	ant2	30	50	518598	67@33	CP_QAM16	20.04	21.14		PASS
n41	sum	30	50	518598	67@33	CP_QAM16	22.94	25.43	33	PASS
n41	ant1	30	50	518598	1@1	CP_QAM16	20.33	23.93		PASS
n41	ant2	30	50	518598	1@1	CP_QAM16	19.93	21.03		PASS

n41	sum	30	50	518598	1@1	CP_QAM16	23.14	25.73	33	PASS
n41	ant1	30	50	518598	1@131	CP_QAM16	20.29	23.89		PASS
n41	ant2	30	50	518598	1@131	CP_QAM16	19.76	20.86		PASS
n41	sum	30	50	518598	1@131	CP_QAM16	23.04	25.64	33	PASS
n41	ant1	30	50	518598	67@33	CP_QAM64	18.41	22.01		PASS
n41	ant2	30	50	518598	67@33	CP_QAM64	18.59	19.69		PASS
n41	sum	30	50	518598	67@33	CP_QAM64	21.51	24.01	33	PASS
n41	ant1	30	50	518598	1@1	CP_QAM64	19.26	22.86		PASS
n41	ant2	30	50	518598	1@1	CP_QAM64	19.08	20.18		PASS
n41	sum	30	50	518598	1@1	CP_QAM64	22.18	24.73	33	PASS
n41	ant1	30	50	518598	1@131	CP_QAM64	18.91	22.51		PASS
n41	ant2	30	50	518598	1@131	CP_QAM64	18.83	19.93		PASS
n41	sum	30	50	518598	1@131	CP_QAM64	21.88	24.42	33	PASS
n41	ant1	30	50	518598	67@33	CP_QAM256	15.41	19.01		PASS
n41	ant2	30	50	518598	67@33	CP_QAM256	15.47	16.57		PASS
n41	sum	30	50	518598	67@33	CP_QAM256	18.45	20.97	33	PASS
n41	ant1	30	50	518598	1@1	CP_QAM256	16.07	19.67		PASS
n41	ant2	30	50	518598	1@1	CP_QAM256	15.88	16.98		PASS
n41	sum	30	50	518598	1@1	CP_QAM256	18.99	21.54	33	PASS
n41	ant1	30	50	518598	1@131	CP_QAM256	15.92	19.52		PASS
n41	ant2	30	50	518598	1@131	CP_QAM256	15.56	16.66		PASS
n41	sum	30	50	518598	1@131	CP_QAM256	18.75	21.33	33	PASS
n41	ant1	30	50	532998	67@33	CP_QPSK	20.55	24.15		PASS
n41	ant2	30	50	532998	67@33	CP_QPSK	20.46	21.56		PASS
n41	sum	30	50	532998	67@33	CP_QPSK	23.52	26.06	33	PASS
n41	ant1	30	50	532998	1@1	CP_QPSK	20.62	24.22		PASS
n41	ant2	30	50	532998	1@1	CP_QPSK	20.48	21.58		PASS
n41	sum	30	50	532998	1@1	CP_QPSK	23.56	26.11	33	PASS
n41	ant1	30	50	532998	1@131	CP_QPSK	20.24	23.84		PASS
n41	ant2	30	50	532998	1@131	CP_QPSK	20.61	21.71		PASS
n41	sum	30	50	532998	1@131	CP_QPSK	23.44	25.91	33	PASS
n41	ant1	30	50	532998	67@33	CP_QAM16	19.71	23.31		PASS
n41	ant2	30	50	532998	67@33	CP_QAM16	20.25	21.35		PASS
n41	sum	30	50	532998	67@33	CP_QAM16	23.00	25.45	33	PASS
n41	ant1	30	50	532998	1@1	CP_QAM16	19.91	23.51		PASS
n41	ant2	30	50	532998	1@1	CP_QAM16	20.41	21.51		PASS
n41	sum	30	50	532998	1@1	CP_QAM16	23.18	25.63	33	PASS
n41	ant1	30	50	532998	1@131	CP_QAM16	19.48	23.08		PASS
n41	ant2	30	50	532998	1@131	CP_QAM16	20.18	21.28		PASS
n41	sum	30	50	532998	1@131	CP_QAM16	22.85	25.28	33	PASS
n41	ant1	30	50	532998	67@33	CP_QAM64	18.26	21.86		PASS
n41	ant2	30	50	532998	67@33	CP_QAM64	18.74	19.84		PASS

n41	sum	30	50	532998	67@33	CP_QAM64	21.52	23.98	33	PASS
n41	ant1	30	50	532998	1@1	CP_QAM64	19.21	22.81		PASS
n41	ant2	30	50	532998	1@1	CP_QAM64	18.86	19.96		PASS
n41	sum	30	50	532998	1@1	CP_QAM64	22.05	24.63	33	PASS
n41	ant1	30	50	532998	1@131	CP_QAM64	18.76	22.36		PASS
n41	ant2	30	50	532998	1@131	CP_QAM64	18.69	19.79		PASS
n41	sum	30	50	532998	1@131	CP_QAM64	21.74	24.27	33	PASS
n41	ant1	30	50	532998	67@33	CP_QAM256	15.27	18.87		PASS
n41	ant2	30	50	532998	67@33	CP_QAM256	15.78	16.88		PASS
n41	sum	30	50	532998	67@33	CP_QAM256	18.54	21.00	33	PASS
n41	ant1	30	50	532998	1@1	CP_QAM256	15.86	19.46		PASS
n41	ant2	30	50	532998	1@1	CP_QAM256	16.05	17.15		PASS
n41	sum	30	50	532998	1@1	CP_QAM256	18.97	21.47	33	PASS
n41	ant1	30	50	532998	1@131	CP_QAM256	15.44	19.04		PASS
n41	ant2	30	50	532998	1@131	CP_QAM256	15.66	16.76		PASS
n41	sum	30	50	532998	1@131	CP_QAM256	18.56	21.06	33	PASS
n41	ant1	30	60	505200	81@40	CP_QPSK	20.29	23.89		PASS
n41	ant2	30	60	505200	81@40	CP_QPSK	20.76	21.86		PASS
n41	sum	30	60	505200	81@40	CP_QPSK	23.54	26.00	33	PASS
n41	ant1	30	60	505200	1@1	CP_QPSK	20.56	24.16		PASS
n41	ant2	30	60	505200	1@1	CP_QPSK	20.87	21.97		PASS
n41	sum	30	60	505200	1@1	CP_QPSK	23.73	26.21	33	PASS
n41	ant1	30	60	505200	1@160	CP_QPSK	20.12	23.72		PASS
n41	ant2	30	60	505200	1@160	CP_QPSK	20.66	21.76		PASS
n41	sum	30	60	505200	1@160	CP_QPSK	23.41	25.86	33	PASS
n41	ant1	30	60	505200	81@40	CP_QAM16	19.80	23.40		PASS
n41	ant2	30	60	505200	81@40	CP_QAM16	20.31	21.41		PASS
n41	sum	30	60	505200	81@40	CP_QAM16	23.07	25.53	33	PASS
n41	ant1	30	60	505200	1@1	CP_QAM16	20.25	23.85		PASS
n41	ant2	30	60	505200	1@1	CP_QAM16	20.52	21.62		PASS
n41	sum	30	60	505200	1@1	CP_QAM16	23.40	25.89	33	PASS
n41	ant1	30	60	505200	1@160	CP_QAM16	19.83	23.43		PASS
n41	ant2	30	60	505200	1@160	CP_QAM16	20.22	21.32		PASS
n41	sum	30	60	505200	1@160	CP_QAM16	23.04	25.51	33	PASS
n41	ant1	30	60	505200	81@40	CP_QAM64	18.27	21.87		PASS
n41	ant2	30	60	505200	81@40	CP_QAM64	18.90	20.00		PASS
n41	sum	30	60	505200	81@40	CP_QAM64	21.61	24.05	33	PASS
n41	ant1	30	60	505200	1@1	CP_QAM64	18.98	22.58		PASS
n41	ant2	30	60	505200	1@1	CP_QAM64	19.09	20.19		PASS
n41	sum	30	60	505200	1@1	CP_QAM64	22.05	24.56	33	PASS
n41	ant1	30	60	505200	1@160	CP_QAM64	18.50	22.10		PASS
n41	ant2	30	60	505200	1@160	CP_QAM64	18.96	20.06		PASS

n41	sum	30	60	505200	1@160	CP_QAM64	21.75	24.21	33	PASS
n41	ant1	30	60	505200	81@40	CP_QAM256	15.27	18.87		PASS
n41	ant2	30	60	505200	81@40	CP_QAM256	15.98	17.08		PASS
n41	sum	30	60	505200	81@40	CP_QAM256	18.65	21.08	33	PASS
n41	ant1	30	60	505200	1@1	CP_QAM256	15.82	19.42		PASS
n41	ant2	30	60	505200	1@1	CP_QAM256	15.88	16.98		PASS
n41	sum	30	60	505200	1@1	CP_QAM256	18.86	21.38	33	PASS
n41	ant1	30	60	505200	1@160	CP_QAM256	15.50	19.10		PASS
n41	ant2	30	60	505200	1@160	CP_QAM256	16.00	17.10		PASS
n41	sum	30	60	505200	1@160	CP_QAM256	18.77	21.22	33	PASS
n41	ant1	30	60	518598	81@40	CP_QPSK	20.36	23.96		PASS
n41	ant2	30	60	518598	81@40	CP_QPSK	20.54	21.64		PASS
n41	sum	30	60	518598	81@40	CP_QPSK	23.46	25.96	33	PASS
n41	ant1	30	60	518598	1@1	CP_QPSK	20.40	24.00		PASS
n41	ant2	30	60	518598	1@1	CP_QPSK	20.72	21.82		PASS
n41	sum	30	60	518598	1@1	CP_QPSK	23.57	26.06	33	PASS
n41	ant1	30	60	518598	1@160	CP_QPSK	20.55	24.15		PASS
n41	ant2	30	60	518598	1@160	CP_QPSK	20.41	21.51		PASS
n41	sum	30	60	518598	1@160	CP_QPSK	23.49	26.04	33	PASS
n41	ant1	30	60	518598	81@40	CP_QAM16	19.91	23.51		PASS
n41	ant2	30	60	518598	81@40	CP_QAM16	19.98	21.08		PASS
n41	sum	30	60	518598	81@40	CP_QAM16	22.96	25.47	33	PASS
n41	ant1	30	60	518598	1@1	CP_QAM16	20.31	23.91		PASS
n41	ant2	30	60	518598	1@1	CP_QAM16	20.18	21.28		PASS
n41	sum	30	60	518598	1@1	CP_QAM16	23.26	25.80	33	PASS
n41	ant1	30	60	518598	1@160	CP_QAM16	20.35	23.95		PASS
n41	ant2	30	60	518598	1@160	CP_QAM16	19.82	20.92		PASS
n41	sum	30	60	518598	1@160	CP_QAM16	23.10	25.70	33	PASS
n41	ant1	30	60	518598	81@40	CP_QAM64	18.36	21.96		PASS
n41	ant2	30	60	518598	81@40	CP_QAM64	18.52	19.62		PASS
n41	sum	30	60	518598	81@40	CP_QAM64	21.45	23.96	33	PASS
n41	ant1	30	60	518598	1@1	CP_QAM64	18.95	22.55		PASS
n41	ant2	30	60	518598	1@1	CP_QAM64	18.82	19.92		PASS
n41	sum	30	60	518598	1@1	CP_QAM64	21.90	24.44	33	PASS
n41	ant1	30	60	518598	1@160	CP_QAM64	19.03	22.63		PASS
n41	ant2	30	60	518598	1@160	CP_QAM64	18.53	19.63		PASS
n41	sum	30	60	518598	1@160	CP_QAM64	21.80	24.39	33	PASS
n41	ant1	30	60	518598	81@40	CP_QAM256	15.30	18.90		PASS
n41	ant2	30	60	518598	81@40	CP_QAM256	15.50	16.60		PASS
n41	sum	30	60	518598	81@40	CP_QAM256	18.41	20.91	33	PASS
n41	ant1	30	60	518598	1@1	CP_QAM256	15.57	19.17		PASS
n41	ant2	30	60	518598	1@1	CP_QAM256	15.63	16.73		PASS

n41	sum	30	60	518598	1@1	CP_QAM256	18.61	21.13	33	PASS
n41	ant1	30	60	518598	1@160	CP_QAM256	15.75	19.35		PASS
n41	ant2	30	60	518598	1@160	CP_QAM256	15.67	16.77		PASS
n41	sum	30	60	518598	1@160	CP_QAM256	18.72	21.26	33	PASS
n41	ant1	30	60	531996	81@40	CP_QPSK	20.54	24.14		PASS
n41	ant2	30	60	531996	81@40	CP_QPSK	20.53	21.63		PASS
n41	sum	30	60	531996	81@40	CP_QPSK	23.55	26.07	33	PASS
n41	ant1	30	60	531996	1@1	CP_QPSK	20.35	23.95		PASS
n41	ant2	30	60	531996	1@1	CP_QPSK	20.24	21.34		PASS
n41	sum	30	60	531996	1@1	CP_QPSK	23.31	25.85	33	PASS
n41	ant1	30	60	531996	1@160	CP_QPSK	20.26	23.86		PASS
n41	ant2	30	60	531996	1@160	CP_QPSK	20.59	21.69		PASS
n41	sum	30	60	531996	1@160	CP_QPSK	23.44	25.92	33	PASS
n41	ant1	30	60	531996	81@40	CP_QAM16	19.99	23.59		PASS
n41	ant2	30	60	531996	81@40	CP_QAM16	19.92	21.02		PASS
n41	sum	30	60	531996	81@40	CP_QAM16	22.97	25.50	33	PASS
n41	ant1	30	60	531996	1@1	CP_QAM16	20.13	23.73		PASS
n41	ant2	30	60	531996	1@1	CP_QAM16	19.55	20.65		PASS
n41	sum	30	60	531996	1@1	CP_QAM16	22.86	25.47	33	PASS
n41	ant1	30	60	531996	1@160	CP_QAM16	20.28	23.88		PASS
n41	ant2	30	60	531996	1@160	CP_QAM16	19.65	20.75		PASS
n41	sum	30	60	531996	1@160	CP_QAM16	22.99	25.60	33	PASS
n41	ant1	30	60	531996	81@40	CP_QAM64	18.46	22.06		PASS
n41	ant2	30	60	531996	81@40	CP_QAM64	18.44	19.54		PASS
n41	sum	30	60	531996	81@40	CP_QAM64	21.46	23.99	33	PASS
n41	ant1	30	60	531996	1@1	CP_QAM64	18.66	22.26		PASS
n41	ant2	30	60	531996	1@1	CP_QAM64	18.56	19.66		PASS
n41	sum	30	60	531996	1@1	CP_QAM64	21.62	24.16	33	PASS
n41	ant1	30	60	531996	1@160	CP_QAM64	18.60	22.20		PASS
n41	ant2	30	60	531996	1@160	CP_QAM64	18.78	19.88		PASS
n41	sum	30	60	531996	1@160	CP_QAM64	21.70	24.20	33	PASS
n41	ant1	30	60	531996	81@40	CP_QAM256	15.49	19.09		PASS
n41	ant2	30	60	531996	81@40	CP_QAM256	15.46	16.56		PASS
n41	sum	30	60	531996	81@40	CP_QAM256	18.49	21.02	33	PASS
n41	ant1	30	60	531996	1@1	CP_QAM256	15.62	19.22		PASS
n41	ant2	30	60	531996	1@1	CP_QAM256	15.40	16.50		PASS
n41	sum	30	60	531996	1@1	CP_QAM256	18.52	21.08	33	PASS
n41	ant1	30	60	531996	1@160	CP_QAM256	15.70	19.30		PASS
n41	ant2	30	60	531996	1@160	CP_QAM256	15.61	16.71		PASS
n41	sum	30	60	531996	1@160	CP_QAM256	18.67	21.21	33	PASS
n41	ant1	30	80	507204	109@54	CP_QPSK	20.10	23.70		PASS
n41	ant2	30	80	507204	109@54	CP_QPSK	20.65	21.75		PASS

n41	sum	30	80	507204	109@54	CP_QPSK	23.39	25.84	33	PASS
n41	ant1	30	80	507204	1@1	CP_QPSK	20.48	24.08		PASS
n41	ant2	30	80	507204	1@1	CP_QPSK	20.72	21.82		PASS
n41	sum	30	80	507204	1@1	CP_QPSK	23.61	26.11	33	PASS
n41	ant1	30	80	507204	1@215	CP_QPSK	20.23	23.83		PASS
n41	ant2	30	80	507204	1@215	CP_QPSK	20.54	21.64		PASS
n41	sum	30	80	507204	1@215	CP_QPSK	23.40	25.88	33	PASS
n41	ant1	30	80	507204	109@54	CP_QAM16	19.68	23.28		PASS
n41	ant2	30	80	507204	109@54	CP_QAM16	20.19	21.29		PASS
n41	sum	30	80	507204	109@54	CP_QAM16	22.95	25.41	33	PASS
n41	ant1	30	80	507204	1@1	CP_QAM16	19.83	23.43		PASS
n41	ant2	30	80	507204	1@1	CP_QAM16	20.25	21.35		PASS
n41	sum	30	80	507204	1@1	CP_QAM16	23.06	25.52	33	PASS
n41	ant1	30	80	507204	1@215	CP_QAM16	19.67	23.27		PASS
n41	ant2	30	80	507204	1@215	CP_QAM16	20.06	21.16		PASS
n41	sum	30	80	507204	1@215	CP_QAM16	22.88	25.35	33	PASS
n41	ant1	30	80	507204	109@54	CP_QAM64	18.22	21.82		PASS
n41	ant2	30	80	507204	109@54	CP_QAM64	18.63	19.73		PASS
n41	sum	30	80	507204	109@54	CP_QAM64	21.44	23.91	33	PASS
n41	ant1	30	80	507204	1@1	CP_QAM64	19.23	22.83		PASS
n41	ant2	30	80	507204	1@1	CP_QAM64	18.72	19.82		PASS
n41	sum	30	80	507204	1@1	CP_QAM64	21.99	24.59	33	PASS
n41	ant1	30	80	507204	1@215	CP_QAM64	18.67	22.27		PASS
n41	ant2	30	80	507204	1@215	CP_QAM64	18.50	19.60		PASS
n41	sum	30	80	507204	1@215	CP_QAM64	21.60	24.15	33	PASS
n41	ant1	30	80	507204	109@54	CP_QAM256	15.07	18.67		PASS
n41	ant2	30	80	507204	109@54	CP_QAM256	15.82	16.92		PASS
n41	sum	30	80	507204	109@54	CP_QAM256	18.47	20.89	33	PASS
n41	ant1	30	80	507204	1@1	CP_QAM256	15.68	19.28		PASS
n41	ant2	30	80	507204	1@1	CP_QAM256	16.08	17.18		PASS
n41	sum	30	80	507204	1@1	CP_QAM256	18.89	21.37	33	PASS
n41	ant1	30	80	507204	1@215	CP_QAM256	15.58	19.18		PASS
n41	ant2	30	80	507204	1@215	CP_QAM256	15.58	16.68		PASS
n41	sum	30	80	507204	1@215	CP_QAM256	18.59	21.12	33	PASS
n41	ant1	30	80	518598	109@54	CP_QPSK	20.25	23.85		PASS
n41	ant2	30	80	518598	109@54	CP_QPSK	20.40	21.50		PASS
n41	sum	30	80	518598	109@54	CP_QPSK	23.34	25.84	33	PASS
n41	ant1	30	80	518598	1@1	CP_QPSK	20.11	23.71		PASS
n41	ant2	30	80	518598	1@1	CP_QPSK	20.45	21.55		PASS
n41	sum	30	80	518598	1@1	CP_QPSK	23.29	25.77	33	PASS
n41	ant1	30	80	518598	1@215	CP_QPSK	20.32	23.92		PASS
n41	ant2	30	80	518598	1@215	CP_QPSK	20.28	21.38		PASS

n41	sum	30	80	518598	1@215	CP_QPSK	23.31	25.84	33	PASS
n41	ant1	30	80	518598	109@54	CP_QAM16	19.77	23.37		PASS
n41	ant2	30	80	518598	109@54	CP_QAM16	19.95	21.05		PASS
n41	sum	30	80	518598	109@54	CP_QAM16	22.87	25.37	33	PASS
n41	ant1	30	80	518598	1@1	CP_QAM16	19.64	23.24		PASS
n41	ant2	30	80	518598	1@1	CP_QAM16	20.27	21.37		PASS
n41	sum	30	80	518598	1@1	CP_QAM16	22.98	25.42	33	PASS
n41	ant1	30	80	518598	1@215	CP_QAM16	20.01	23.61		PASS
n41	ant2	30	80	518598	1@215	CP_QAM16	19.95	21.05		PASS
n41	sum	30	80	518598	1@215	CP_QAM16	22.99	25.53	33	PASS
n41	ant1	30	80	518598	109@54	CP_QAM64	18.37	21.97		PASS
n41	ant2	30	80	518598	109@54	CP_QAM64	18.37	19.47		PASS
n41	sum	30	80	518598	109@54	CP_QAM64	21.38	23.91	33	PASS
n41	ant1	30	80	518598	1@1	CP_QAM64	18.32	21.92		PASS
n41	ant2	30	80	518598	1@1	CP_QAM64	18.74	19.84		PASS
n41	sum	30	80	518598	1@1	CP_QAM64	21.55	24.01	33	PASS
n41	ant1	30	80	518598	1@215	CP_QAM64	18.66	22.26		PASS
n41	ant2	30	80	518598	1@215	CP_QAM64	18.49	19.59		PASS
n41	sum	30	80	518598	1@215	CP_QAM64	21.59	24.14	33	PASS
n41	ant1	30	80	518598	109@54	CP_QAM256	15.23	18.83		PASS
n41	ant2	30	80	518598	109@54	CP_QAM256	15.34	16.44		PASS
n41	sum	30	80	518598	109@54	CP_QAM256	18.30	20.81	33	PASS
n41	ant1	30	80	518598	1@1	CP_QAM256	15.40	19.00		PASS
n41	ant2	30	80	518598	1@1	CP_QAM256	15.78	16.88		PASS
n41	sum	30	80	518598	1@1	CP_QAM256	18.60	21.08	33	PASS
n41	ant1	30	80	518598	1@215	CP_QAM256	15.54	19.14		PASS
n41	ant2	30	80	518598	1@215	CP_QAM256	15.56	16.66		PASS
n41	sum	30	80	518598	1@215	CP_QAM256	18.56	21.08	33	PASS
n41	ant1	30	80	529998	109@54	CP_QPSK	20.39	23.99		PASS
n41	ant2	30	80	529998	109@54	CP_QPSK	20.35	21.45		PASS
n41	sum	30	80	529998	109@54	CP_QPSK	23.38	25.91	33	PASS
n41	ant1	30	80	529998	1@1	CP_QPSK	20.45	24.05		PASS
n41	ant2	30	80	529998	1@1	CP_QPSK	20.25	21.35		PASS
n41	sum	30	80	529998	1@1	CP_QPSK	23.36	25.92	33	PASS
n41	ant1	30	80	529998	1@215	CP_QPSK	20.44	24.04		PASS
n41	ant2	30	80	529998	1@215	CP_QPSK	20.33	21.43		PASS
n41	sum	30	80	529998	1@215	CP_QPSK	23.40	25.94	33	PASS
n41	ant1	30	80	529998	109@54	CP_QAM16	19.86	23.46		PASS
n41	ant2	30	80	529998	109@54	CP_QAM16	19.91	21.01		PASS
n41	sum	30	80	529998	109@54	CP_QAM16	22.90	25.42	33	PASS
n41	ant1	30	80	529998	1@1	CP_QAM16	20.27	23.87		PASS
n41	ant2	30	80	529998	1@1	CP_QAM16	19.93	21.03		PASS

n41	sum	30	80	529998	1@1	CP_QAM16	23.11	25.69	33	PASS
n41	ant1	30	80	529998	1@215	CP_QAM16	20.04	23.64		PASS
n41	ant2	30	80	529998	1@215	CP_QAM16	19.96	21.06		PASS
n41	sum	30	80	529998	1@215	CP_QAM16	23.01	25.55	33	PASS
n41	ant1	30	80	529998	109@54	CP_QAM64	18.40	22.00		PASS
n41	ant2	30	80	529998	109@54	CP_QAM64	18.54	19.64		PASS
n41	sum	30	80	529998	109@54	CP_QAM64	21.48	23.99	33	PASS
n41	ant1	30	80	529998	1@1	CP_QAM64	18.65	22.25		PASS
n41	ant2	30	80	529998	1@1	CP_QAM64	18.63	19.73		PASS
n41	sum	30	80	529998	1@1	CP_QAM64	21.65	24.18	33	PASS
n41	ant1	30	80	529998	1@215	CP_QAM64	18.63	22.23		PASS
n41	ant2	30	80	529998	1@215	CP_QAM64	18.64	19.74		PASS
n41	sum	30	80	529998	1@215	CP_QAM64	21.65	24.17	33	PASS
n41	ant1	30	80	529998	109@54	CP_QAM256	15.45	19.05		PASS
n41	ant2	30	80	529998	109@54	CP_QAM256	15.42	16.52		PASS
n41	sum	30	80	529998	109@54	CP_QAM256	18.45	20.98	33	PASS
n41	ant1	30	80	529998	1@1	CP_QAM256	15.78	19.38		PASS
n41	ant2	30	80	529998	1@1	CP_QAM256	15.56	16.66		PASS
n41	sum	30	80	529998	1@1	CP_QAM256	18.68	21.24	33	PASS
n41	ant1	30	80	529998	1@215	CP_QAM256	15.57	19.17		PASS
n41	ant2	30	80	529998	1@215	CP_QAM256	15.54	16.64		PASS
n41	sum	30	80	529998	1@215	CP_QAM256	18.57	21.10	33	PASS
n41	ant1	30	90	508200	123@61	CP_QPSK	20.13	23.73		PASS
n41	ant2	30	90	508200	123@61	CP_QPSK	20.68	21.78		PASS
n41	sum	30	90	508200	123@61	CP_QPSK	23.42	25.87	33	PASS
n41	ant1	30	90	508200	1@1	CP_QPSK	20.49	24.09		PASS
n41	ant2	30	90	508200	1@1	CP_QPSK	20.66	21.76		PASS
n41	sum	30	90	508200	1@1	CP_QPSK	23.59	26.09	33	PASS
n41	ant1	30	90	508200	1@243	CP_QPSK	20.11	23.71		PASS
n41	ant2	30	90	508200	1@243	CP_QPSK	20.40	21.50		PASS
n41	sum	30	90	508200	1@243	CP_QPSK	23.27	25.75	33	PASS
n41	ant1	30	90	508200	123@61	CP_QAM16	19.62	23.22		PASS
n41	ant2	30	90	508200	123@61	CP_QAM16	20.16	21.26		PASS
n41	sum	30	90	508200	123@61	CP_QAM16	22.91	25.36	33	PASS
n41	ant1	30	90	508200	1@1	CP_QAM16	20.23	23.83		PASS
n41	ant2	30	90	508200	1@1	CP_QAM16	20.27	21.37		PASS
n41	sum	30	90	508200	1@1	CP_QAM16	23.26	25.78	33	PASS
n41	ant1	30	90	508200	1@243	CP_QAM16	19.84	23.44		PASS
n41	ant2	30	90	508200	1@243	CP_QAM16	19.98	21.08		PASS
n41	sum	30	90	508200	1@243	CP_QAM16	22.92	25.43	33	PASS
n41	ant1	30	90	508200	123@61	CP_QAM64	18.16	21.76		PASS
n41	ant2	30	90	508200	123@61	CP_QAM64	18.76	19.86		PASS

n41	sum	30	90	508200	123@61	CP_QAM64	21.48	23.92	33	PASS
n41	ant1	30	90	508200	1@1	CP_QAM64	18.86	22.46		PASS
n41	ant2	30	90	508200	1@1	CP_QAM64	18.99	20.09		PASS
n41	sum	30	90	508200	1@1	CP_QAM64	21.94	24.45	33	PASS
n41	ant1	30	90	508200	1@243	CP_QAM64	18.17	21.77		PASS
n41	ant2	30	90	508200	1@243	CP_QAM64	18.69	19.79		PASS
n41	sum	30	90	508200	1@243	CP_QAM64	21.45	23.90	33	PASS
n41	ant1	30	90	508200	123@61	CP_QAM256	15.15	18.75		PASS
n41	ant2	30	90	508200	123@61	CP_QAM256	15.58	16.68		PASS
n41	sum	30	90	508200	123@61	CP_QAM256	18.38	20.85	33	PASS
n41	ant1	30	90	508200	1@1	CP_QAM256	15.78	19.38		PASS
n41	ant2	30	90	508200	1@1	CP_QAM256	15.88	16.98		PASS
n41	sum	30	90	508200	1@1	CP_QAM256	18.84	21.35	33	PASS
n41	ant1	30	90	508200	1@243	CP_QAM256	15.80	19.40		PASS
n41	ant2	30	90	508200	1@243	CP_QAM256	15.50	16.60		PASS
n41	sum	30	90	508200	1@243	CP_QAM256	18.66	21.23	33	PASS
n41	ant1	30	90	518598	123@61	CP_QPSK	20.28	23.88		PASS
n41	ant2	30	90	518598	123@61	CP_QPSK	20.42	21.52		PASS
n41	sum	30	90	518598	123@61	CP_QPSK	23.36	25.87	33	PASS
n41	ant1	30	90	518598	1@1	CP_QPSK	20.10	23.70		PASS
n41	ant2	30	90	518598	1@1	CP_QPSK	20.50	21.60		PASS
n41	sum	30	90	518598	1@1	CP_QPSK	23.31	25.79	33	PASS
n41	ant1	30	90	518598	1@243	CP_QPSK	20.35	23.95		PASS
n41	ant2	30	90	518598	1@243	CP_QPSK	20.42	21.52		PASS
n41	sum	30	90	518598	1@243	CP_QPSK	23.40	25.91	33	PASS
n41	ant1	30	90	518598	123@61	CP_QAM16	19.80	23.40		PASS
n41	ant2	30	90	518598	123@61	CP_QAM16	19.89	20.99		PASS
n41	sum	30	90	518598	123@61	CP_QAM16	22.86	25.37	33	PASS
n41	ant1	30	90	518598	1@1	CP_QAM16	19.90	23.50		PASS
n41	ant2	30	90	518598	1@1	CP_QAM16	20.12	21.22		PASS
n41	sum	30	90	518598	1@1	CP_QAM16	23.02	25.52	33	PASS
n41	ant1	30	90	518598	1@243	CP_QAM16	20.30	23.90		PASS
n41	ant2	30	90	518598	1@243	CP_QAM16	19.92	21.02		PASS
n41	sum	30	90	518598	1@243	CP_QAM16	23.12	25.70	33	PASS
n41	ant1	30	90	518598	123@61	CP_QAM64	18.30	21.90		PASS
n41	ant2	30	90	518598	123@61	CP_QAM64	18.35	19.45		PASS
n41	sum	30	90	518598	123@61	CP_QAM64	21.34	23.86	33	PASS
n41	ant1	30	90	518598	1@1	CP_QAM64	18.40	22.00		PASS
n41	ant2	30	90	518598	1@1	CP_QAM64	18.90	20.00		PASS
n41	sum	30	90	518598	1@1	CP_QAM64	21.67	24.12	33	PASS
n41	ant1	30	90	518598	1@243	CP_QAM64	18.73	22.33		PASS
n41	ant2	30	90	518598	1@243	CP_QAM64	18.65	19.75		PASS

n41	sum	30	90	518598	1@243	CP_QAM64	21.70	24.24	33	PASS
n41	ant1	30	90	518598	123@61	CP_QAM256	15.38	18.98		PASS
n41	ant2	30	90	518598	123@61	CP_QAM256	15.35	16.45		PASS
n41	sum	30	90	518598	123@61	CP_QAM256	18.38	20.91	33	PASS
n41	ant1	30	90	518598	1@1	CP_QAM256	15.37	18.97		PASS
n41	ant2	30	90	518598	1@1	CP_QAM256	15.55	16.65		PASS
n41	sum	30	90	518598	1@1	CP_QAM256	18.47	20.97	33	PASS
n41	ant1	30	90	518598	1@243	CP_QAM256	15.93	19.53		PASS
n41	ant2	30	90	518598	1@243	CP_QAM256	15.54	16.64		PASS
n41	sum	30	90	518598	1@243	CP_QAM256	18.75	21.33	33	PASS
n41	ant1	30	90	528996	123@61	CP_QPSK	20.37	23.97		PASS
n41	ant2	30	90	528996	123@61	CP_QPSK	20.33	21.43		PASS
n41	sum	30	90	528996	123@61	CP_QPSK	23.36	25.89	33	PASS
n41	ant1	30	90	528996	1@1	CP_QPSK	20.28	23.88		PASS
n41	ant2	30	90	528996	1@1	CP_QPSK	20.39	21.49		PASS
n41	sum	30	90	528996	1@1	CP_QPSK	23.35	25.86	33	PASS
n41	ant1	30	90	528996	1@243	CP_QPSK	20.37	23.97		PASS
n41	ant2	30	90	528996	1@243	CP_QPSK	20.38	21.48		PASS
n41	sum	30	90	528996	1@243	CP_QPSK	23.39	25.91	33	PASS
n41	ant1	30	90	528996	123@61	CP_QAM16	19.81	23.41		PASS
n41	ant2	30	90	528996	123@61	CP_QAM16	19.91	21.01		PASS
n41	sum	30	90	528996	123@61	CP_QAM16	22.87	25.38	33	PASS
n41	ant1	30	90	528996	1@1	CP_QAM16	20.09	23.69		PASS
n41	ant2	30	90	528996	1@1	CP_QAM16	19.96	21.06		PASS
n41	sum	30	90	528996	1@1	CP_QAM16	23.04	25.58	33	PASS
n41	ant1	30	90	528996	1@243	CP_QAM16	20.20	23.80		PASS
n41	ant2	30	90	528996	1@243	CP_QAM16	20.12	21.22		PASS
n41	sum	30	90	528996	1@243	CP_QAM16	23.17	25.71	33	PASS
n41	ant1	30	90	528996	123@61	CP_QAM64	18.35	21.95		PASS
n41	ant2	30	90	528996	123@61	CP_QAM64	18.30	19.40		PASS
n41	sum	30	90	528996	123@61	CP_QAM64	21.34	23.87	33	PASS
n41	ant1	30	90	528996	1@1	CP_QAM64	18.66	22.26		PASS
n41	ant2	30	90	528996	1@1	CP_QAM64	18.73	19.83		PASS
n41	sum	30	90	528996	1@1	CP_QAM64	21.71	24.22	33	PASS
n41	ant1	30	90	528996	1@243	CP_QAM64	18.64	22.24		PASS
n41	ant2	30	90	528996	1@243	CP_QAM64	18.79	19.89		PASS
n41	sum	30	90	528996	1@243	CP_QAM64	21.73	24.23	33	PASS
n41	ant1	30	90	528996	123@61	CP_QAM256	15.36	18.96		PASS
n41	ant2	30	90	528996	123@61	CP_QAM256	15.49	16.59		PASS
n41	sum	30	90	528996	123@61	CP_QAM256	18.44	20.95	33	PASS
n41	ant1	30	90	528996	1@1	CP_QAM256	15.60	19.20		PASS
n41	ant2	30	90	528996	1@1	CP_QAM256	15.63	16.73		PASS

n41	sum	30	90	528996	1@1	CP_QAM256	18.63	21.15	33	PASS
n41	ant1	30	90	528996	1@243	CP_QAM256	15.64	19.24		PASS
n41	ant2	30	90	528996	1@243	CP_QAM256	15.79	16.89		PASS
n41	sum	30	90	528996	1@243	CP_QAM256	18.73	21.23	33	PASS
n41	ant1	30	100	509202	137@68	CP_QPSK	20.18	23.78		PASS
n41	ant2	30	100	509202	137@68	CP_QPSK	20.62	21.72		PASS
n41	sum	30	100	509202	137@68	CP_QPSK	23.42	25.88	33	PASS
n41	ant1	30	100	509202	1@1	CP_QPSK	20.34	23.94		PASS
n41	ant2	30	100	509202	1@1	CP_QPSK	20.73	21.83		PASS
n41	sum	30	100	509202	1@1	CP_QPSK	23.55	26.02	33	PASS
n41	ant1	30	100	509202	1@271	CP_QPSK	20.09	23.69		PASS
n41	ant2	30	100	509202	1@271	CP_QPSK	20.26	21.36		PASS
n41	sum	30	100	509202	1@271	CP_QPSK	23.19	25.69	33	PASS
n41	ant1	30	100	509202	137@68	CP_QAM16	19.66	23.26		PASS
n41	ant2	30	100	509202	137@68	CP_QAM16	20.09	21.19		PASS
n41	sum	30	100	509202	137@68	CP_QAM16	22.89	25.36	33	PASS
n41	ant1	30	100	509202	1@1	CP_QAM16	20.01	23.61		PASS
n41	ant2	30	100	509202	1@1	CP_QAM16	19.83	20.93		PASS
n41	sum	30	100	509202	1@1	CP_QAM16	22.93	25.48	33	PASS
n41	ant1	30	100	509202	1@271	CP_QAM16	19.87	23.47		PASS
n41	ant2	30	100	509202	1@271	CP_QAM16	19.58	20.68		PASS
n41	sum	30	100	509202	1@271	CP_QAM16	22.74	25.31	33	PASS
n41	ant1	30	100	509202	137@68	CP_QAM64	18.15	21.75		PASS
n41	ant2	30	100	509202	137@68	CP_QAM64	18.70	19.80		PASS
n41	sum	30	100	509202	137@68	CP_QAM64	21.44	23.89	33	PASS
n41	ant1	30	100	509202	1@1	CP_QAM64	19.05	22.65		PASS
n41	ant2	30	100	509202	1@1	CP_QAM64	18.88	19.98		PASS
n41	sum	30	100	509202	1@1	CP_QAM64	21.98	24.53	33	PASS
n41	ant1	30	100	509202	1@271	CP_QAM64	18.59	22.19		PASS
n41	ant2	30	100	509202	1@271	CP_QAM64	18.52	19.62		PASS
n41	sum	30	100	509202	1@271	CP_QAM64	21.57	24.10	33	PASS
n41	ant1	30	100	509202	137@68	CP_QAM256	15.13	18.73		PASS
n41	ant2	30	100	509202	137@68	CP_QAM256	15.79	16.89		PASS
n41	sum	30	100	509202	137@68	CP_QAM256	18.48	20.92	33	PASS
n41	ant1	30	100	509202	1@1	CP_QAM256	15.60	19.20		PASS
n41	ant2	30	100	509202	1@1	CP_QAM256	16.06	17.16		PASS
n41	sum	30	100	509202	1@1	CP_QAM256	18.85	21.31	33	PASS
n41	ant1	30	100	509202	1@271	CP_QAM256	15.22	18.82		PASS
n41	ant2	30	100	509202	1@271	CP_QAM256	15.43	16.53		PASS
n41	sum	30	100	509202	1@271	CP_QAM256	18.34	20.83	33	PASS
n41	ant1	30	100	518598	137@68	CP_QPSK	20.30	23.90		PASS
n41	ant2	30	100	518598	137@68	CP_QPSK	20.38	21.48		PASS

n41	sum	30	100	518598	137@68	CP_QPSK	23.35	25.87	33	PASS
n41	ant1	30	100	518598	1@1	CP_QPSK	20.25	23.85		PASS
n41	ant2	30	100	518598	1@1	CP_QPSK	20.58	21.68		PASS
n41	sum	30	100	518598	1@1	CP_QPSK	23.43	25.91	33	PASS
n41	ant1	30	100	518598	1@271	CP_QPSK	20.47	24.07		PASS
n41	ant2	30	100	518598	1@271	CP_QPSK	20.41	21.51		PASS
n41	sum	30	100	518598	1@271	CP_QPSK	23.45	25.99	33	PASS
n41	ant1	30	100	518598	137@68	CP_QAM16	19.81	23.41		PASS
n41	ant2	30	100	518598	137@68	CP_QAM16	19.94	21.04		PASS
n41	sum	30	100	518598	137@68	CP_QAM16	22.89	25.40	33	PASS
n41	ant1	30	100	518598	1@1	CP_QAM16	19.85	23.45		PASS
n41	ant2	30	100	518598	1@1	CP_QAM16	19.71	20.81		PASS
n41	sum	30	100	518598	1@1	CP_QAM16	22.79	25.34	33	PASS
n41	ant1	30	100	518598	1@271	CP_QAM16	20.15	23.75		PASS
n41	ant2	30	100	518598	1@271	CP_QAM16	19.62	20.72		PASS
n41	sum	30	100	518598	1@271	CP_QAM16	22.90	25.50	33	PASS
n41	ant1	30	100	518598	137@68	CP_QAM64	18.34	21.94		PASS
n41	ant2	30	100	518598	137@68	CP_QAM64	18.39	19.49		PASS
n41	sum	30	100	518598	137@68	CP_QAM64	21.38	23.90	33	PASS
n41	ant1	30	100	518598	1@1	CP_QAM64	19.02	22.62		PASS
n41	ant2	30	100	518598	1@1	CP_QAM64	18.73	19.83		PASS
n41	sum	30	100	518598	1@1	CP_QAM64	21.89	24.46	33	PASS
n41	ant1	30	100	518598	1@271	CP_QAM64	18.71	22.31		PASS
n41	ant2	30	100	518598	1@271	CP_QAM64	18.66	19.76		PASS
n41	sum	30	100	518598	1@271	CP_QAM64	21.70	24.23	33	PASS
n41	ant1	30	100	518598	137@68	CP_QAM256	15.44	19.04		PASS
n41	ant2	30	100	518598	137@68	CP_QAM256	15.58	16.68		PASS
n41	sum	30	100	518598	137@68	CP_QAM256	18.52	21.03	33	PASS
n41	ant1	30	100	518598	1@1	CP_QAM256	15.40	19.00		PASS
n41	ant2	30	100	518598	1@1	CP_QAM256	15.59	16.69		PASS
n41	sum	30	100	518598	1@1	CP_QAM256	18.51	21.01	33	PASS
n41	ant1	30	100	518598	1@271	CP_QAM256	15.62	19.22		PASS
n41	ant2	30	100	518598	1@271	CP_QAM256	15.52	16.62		PASS
n41	sum	30	100	518598	1@271	CP_QAM256	18.58	21.12	33	PASS
n41	ant1	30	100	528000	137@68	CP_QPSK	20.30	23.90		PASS
n41	ant2	30	100	528000	137@68	CP_QPSK	20.40	21.50		PASS
n41	sum	30	100	528000	137@68	CP_QPSK	23.36	25.87	33	PASS
n41	ant1	30	100	528000	1@1	CP_QPSK	20.36	23.96		PASS
n41	ant2	30	100	528000	1@1	CP_QPSK	20.21	21.31		PASS
n41	sum	30	100	528000	1@1	CP_QPSK	23.30	25.84	33	PASS
n41	ant1	30	100	528000	1@271	CP_QPSK	20.25	23.85		PASS
n41	ant2	30	100	528000	1@271	CP_QPSK	20.59	21.69		PASS

n41	sum	30	100	528000	1@271	CP_QPSK	23.43	25.91	33	PASS
n41	ant1	30	100	528000	137@68	CP_QAM16	19.81	23.41		PASS
n41	ant2	30	100	528000	137@68	CP_QAM16	19.91	21.01		PASS
n41	sum	30	100	528000	137@68	CP_QAM16	22.87	25.38	33	PASS
n41	ant1	30	100	528000	1@1	CP_QAM16	19.87	23.47		PASS
n41	ant2	30	100	528000	1@1	CP_QAM16	19.81	20.91		PASS
n41	sum	30	100	528000	1@1	CP_QAM16	22.85	25.39	33	PASS
n41	ant1	30	100	528000	1@271	CP_QAM16	20.01	23.61		PASS
n41	ant2	30	100	528000	1@271	CP_QAM16	20.11	21.21		PASS
n41	sum	30	100	528000	1@271	CP_QAM16	23.07	25.58	33	PASS
n41	ant1	30	100	528000	137@68	CP_QAM64	18.37	21.97		PASS
n41	ant2	30	100	528000	137@68	CP_QAM64	18.41	19.51		PASS
n41	sum	30	100	528000	137@68	CP_QAM64	21.40	23.92	33	PASS
n41	ant1	30	100	528000	1@1	CP_QAM64	18.44	22.04		PASS
n41	ant2	30	100	528000	1@1	CP_QAM64	18.66	19.76		PASS
n41	sum	30	100	528000	1@1	CP_QAM64	21.56	24.06	33	PASS
n41	ant1	30	100	528000	1@271	CP_QAM64	18.83	22.43		PASS
n41	ant2	30	100	528000	1@271	CP_QAM64	18.74	19.84		PASS
n41	sum	30	100	528000	1@271	CP_QAM64	21.80	24.34	33	PASS
n41	ant1	30	100	528000	137@68	CP_QAM256	15.30	18.90		PASS
n41	ant2	30	100	528000	137@68	CP_QAM256	15.39	16.49		PASS
n41	sum	30	100	528000	137@68	CP_QAM256	18.36	20.87	33	PASS
n41	ant1	30	100	528000	1@1	CP_QAM256	15.27	18.87		PASS
n41	ant2	30	100	528000	1@1	CP_QAM256	15.37	16.47		PASS
n41	sum	30	100	528000	1@1	CP_QAM256	18.33	20.84	33	PASS
n41	ant1	30	100	528000	1@271	CP_QAM256	15.64	19.24		PASS
n41	ant2	30	100	528000	1@271	CP_QAM256	15.60	16.70		PASS
n41	sum	30	100	528000	1@271	CP_QAM256	18.63	21.16	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	-29.40	1.00	-2.5	2.5	PASS
n41	ant2	30	100	518598	137@68	CP_QPSK	-29.56	-0.01	-2.5	2.5	PASS
n41	ant1	30	100	518598	1@1	CP_QPSK	-28.51	-0.01	-2.5	2.5	PASS
n41	ant2	30	100	518598	1@1	CP_QPSK	-28.60	-0.01	-2.5	2.5	PASS
n41	ant1	30	100	518598	1@271	CP_QPSK	-23.8	-0.01	-2.5	2.5	PASS
n41	ant2	30	100	518598	1@271	CP_QPSK	-28.94	-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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300

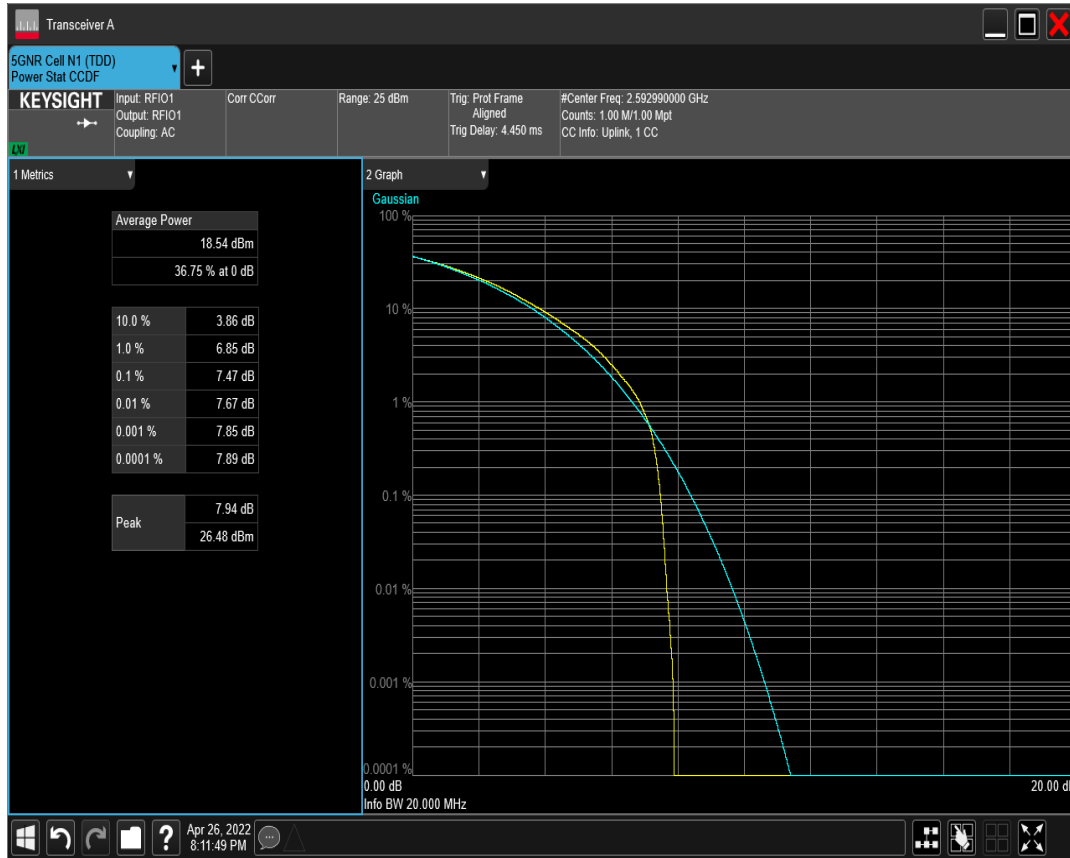
Project No.: JYTSZR2203077

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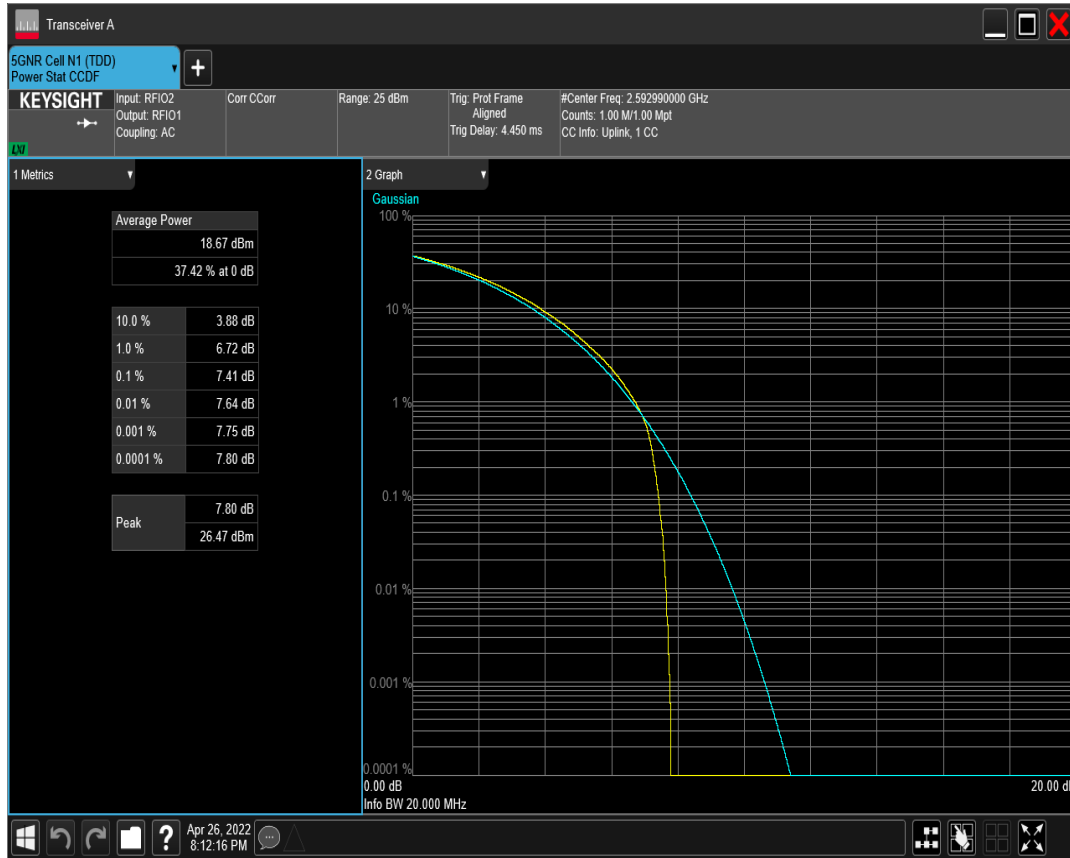
		(kHz)	(MHz)		Allocation			(dB)	
n41	ant1	30	20	518598	51@0	CP_QPSK	7.47	13	PASS
n41	ant2	30	20	518598	51@0	CP_QPSK	7.41	13	PASS
n41	ant1	30	20	518598	51@0	CP_QAM16	7.52	13	PASS
n41	ant2	30	20	518598	51@0	CP_QAM16	7.65	13	PASS
n41	ant1	30	20	518598	51@0	CP_QAM64	8.01	13	PASS
n41	ant2	30	20	518598	51@0	CP_QAM64	7.97	13	PASS
n41	ant1	30	20	518598	51@0	CP_QAM256	8.68	13	PASS
n41	ant2	30	20	518598	51@0	CP_QAM256	8.86	13	PASS
n41	ant1	30	30	518598	78@0	CP_QPSK	7.90	13	PASS
n41	ant2	30	30	518598	78@0	CP_QPSK	7.47	13	PASS
n41	ant1	30	30	518598	78@0	CP_QAM16	7.98	13	PASS
n41	ant2	30	30	518598	78@0	CP_QAM16	7.49	13	PASS
n41	ant1	30	30	518598	78@0	CP_QAM64	7.85	13	PASS
n41	ant2	30	30	518598	78@0	CP_QAM64	8.11	13	PASS
n41	ant1	30	30	518598	78@0	CP_QAM256	8.80	13	PASS
n41	ant2	30	30	518598	78@0	CP_QAM256	8.65	13	PASS
n41	ant1	30	40	518598	106@0	CP_QPSK	7.88	13	PASS
n41	ant2	30	40	518598	106@0	CP_QPSK	7.57	13	PASS
n41	ant1	30	40	518598	106@0	CP_QAM16	8.04	13	PASS
n41	ant2	30	40	518598	106@0	CP_QAM16	7.70	13	PASS
n41	ant1	30	40	518598	106@0	CP_QAM64	7.77	13	PASS
n41	ant2	30	40	518598	106@0	CP_QAM64	7.44	13	PASS
n41	ant1	30	40	518598	106@0	CP_QAM256	8.83	13	PASS
n41	ant2	30	40	518598	106@0	CP_QAM256	8.47	13	PASS
n41	ant1	30	50	518598	133@0	CP_QPSK	7.45	13	PASS
n41	ant2	30	50	518598	133@0	CP_QPSK	7.26	13	PASS
n41	ant1	30	50	518598	133@0	CP_QAM16	7.46	13	PASS
n41	ant2	30	50	518598	133@0	CP_QAM16	7.27	13	PASS
n41	ant1	30	50	518598	133@0	CP_QAM64	8.06	13	PASS
n41	ant2	30	50	518598	133@0	CP_QAM64	7.93	13	PASS
n41	ant1	30	50	518598	133@0	CP_QAM256	8.78	13	PASS
n41	ant2	30	50	518598	133@0	CP_QAM256	8.61	13	PASS
n41	ant1	30	60	518598	162@0	CP_QPSK	7.59	13	PASS
n41	ant2	30	60	518598	162@0	CP_QPSK	7.27	13	PASS
n41	ant1	30	60	518598	162@0	CP_QAM16	7.59	13	PASS
n41	ant2	30	60	518598	162@0	CP_QAM16	7.28	13	PASS
n41	ant1	30	60	518598	162@0	CP_QAM64	8.07	13	PASS
n41	ant2	30	60	518598	162@0	CP_QAM64	7.86	13	PASS
n41	ant1	30	60	518598	162@0	CP_QAM256	8.77	13	PASS
n41	ant2	30	60	518598	162@0	CP_QAM256	8.62	13	PASS
n41	ant1	30	80	518598	217@0	CP_QPSK	7.62	13	PASS

n41	ant2	30	80	518598	217@0	CP_QPSK	7.30	13	PASS
n41	ant1	30	80	518598	217@0	CP_QAM16	7.61	13	PASS
n41	ant2	30	80	518598	217@0	CP_QAM16	7.31	13	PASS
n41	ant1	30	80	518598	217@0	CP_QAM64	8.13	13	PASS
n41	ant2	30	80	518598	217@0	CP_QAM64	7.85	13	PASS
n41	ant1	30	80	518598	217@0	CP_QAM256	8.75	13	PASS
n41	ant2	30	80	518598	217@0	CP_QAM256	8.70	13	PASS
n41	ant1	30	90	518598	245@0	CP_QPSK	7.66	13	PASS
n41	ant2	30	90	518598	245@0	CP_QPSK	7.32	13	PASS
n41	ant1	30	90	518598	245@0	CP_QAM16	7.67	13	PASS
n41	ant2	30	90	518598	245@0	CP_QAM16	7.33	13	PASS
n41	ant1	30	90	518598	245@0	CP_QAM64	8.17	13	PASS
n41	ant2	30	90	518598	245@0	CP_QAM64	7.92	13	PASS
n41	ant1	30	90	518598	245@0	CP_QAM256	8.74	13	PASS
n41	ant2	30	90	518598	245@0	CP_QAM256	8.48	13	PASS
n41	ant1	30	100	518598	273@0	CP_QPSK	7.90	13	PASS
n41	ant2	30	100	518598	273@0	CP_QPSK	7.70	13	PASS
n41	ant1	30	100	518598	273@0	CP_QAM16	7.92	13	PASS
n41	ant2	30	100	518598	273@0	CP_QAM16	7.70	13	PASS
n41	ant1	30	100	518598	273@0	CP_QAM64	7.96	13	PASS
n41	ant2	30	100	518598	273@0	CP_QAM64	7.60	13	PASS
n41	ant1	30	100	518598	273@0	CP_QAM256	8.72	13	PASS
n41	ant2	30	100	518598	273@0	CP_QAM256	8.60	13	PASS

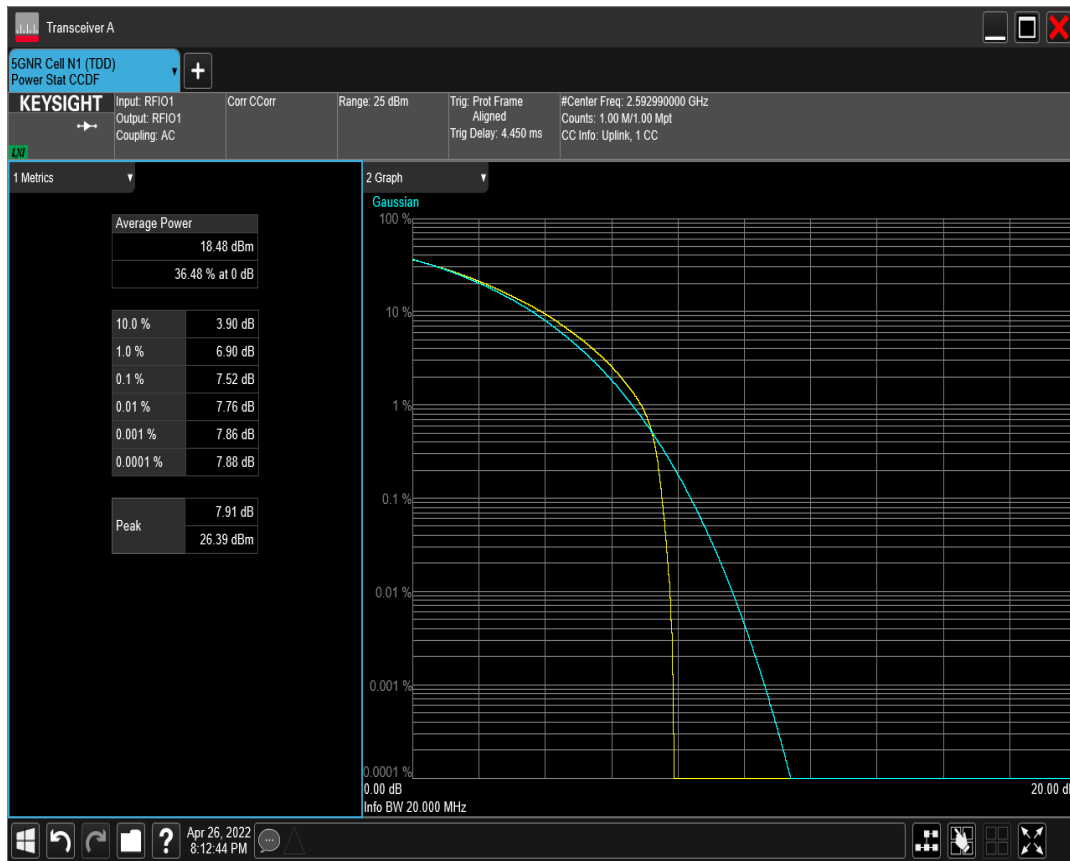
n41 SCS=30kHz CP_QPSK BW=20MHz Channel=518598 RB=51@0 ant1



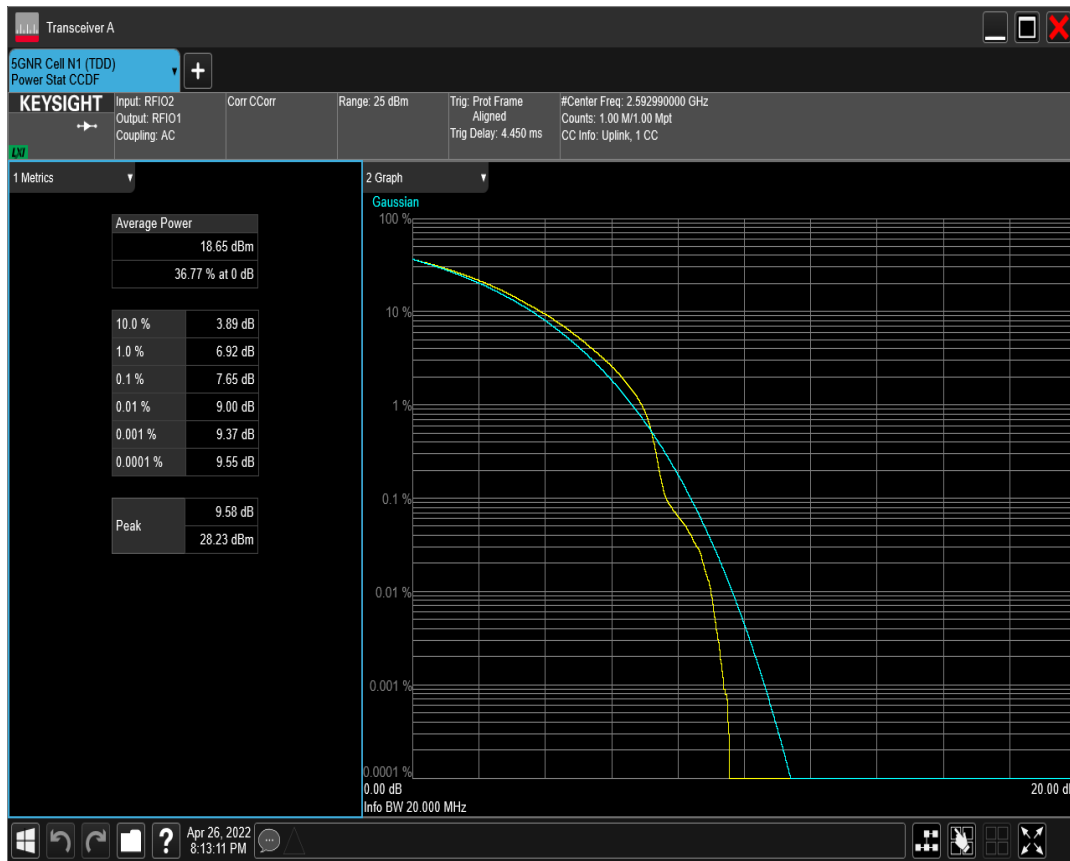
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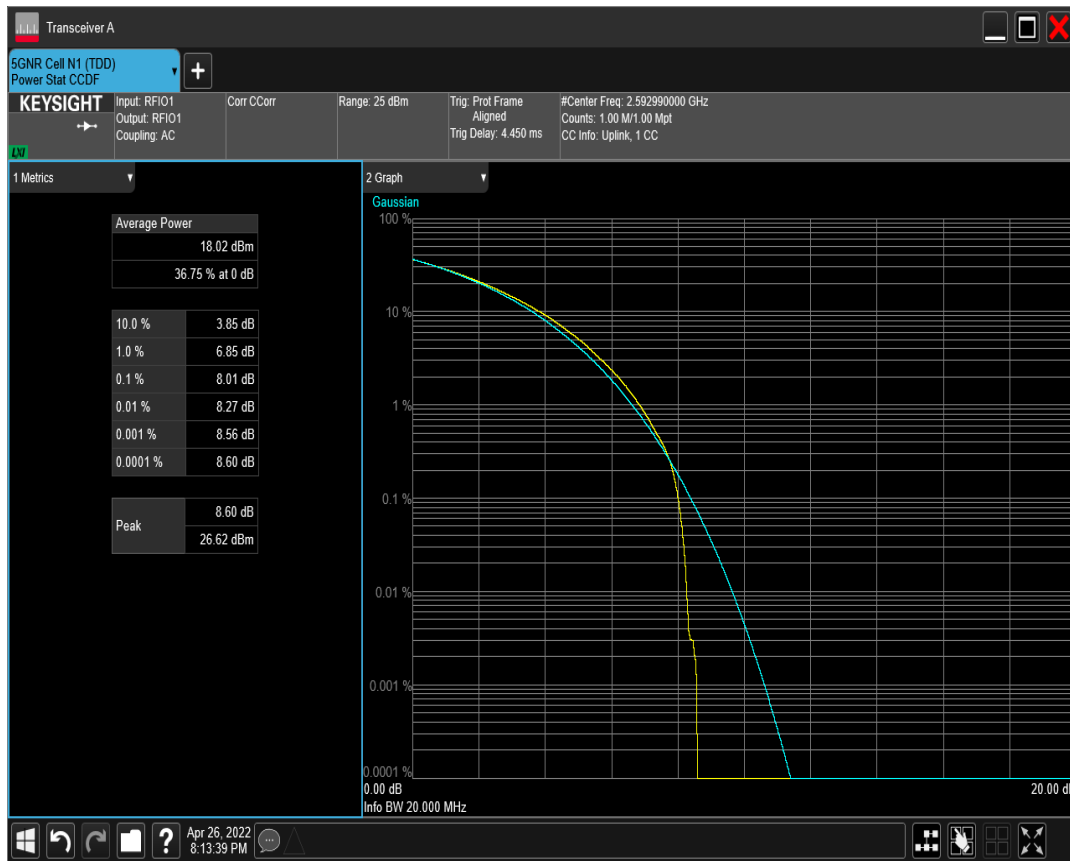
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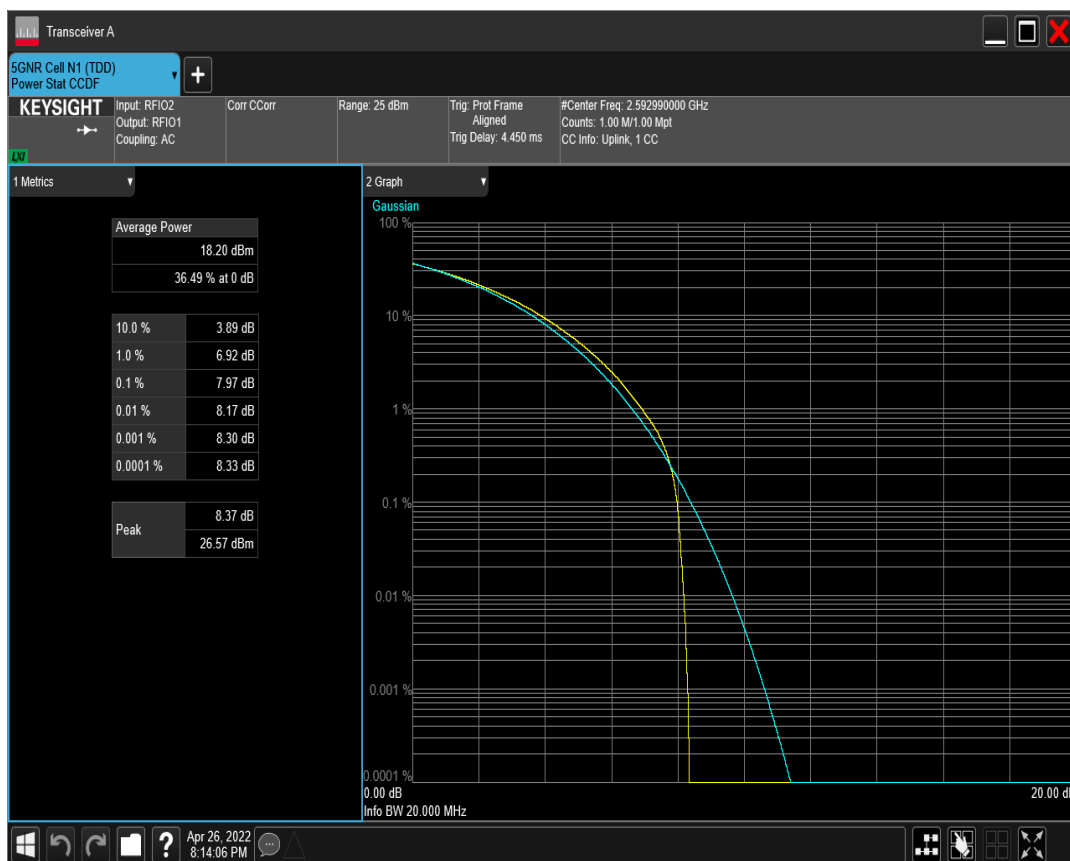
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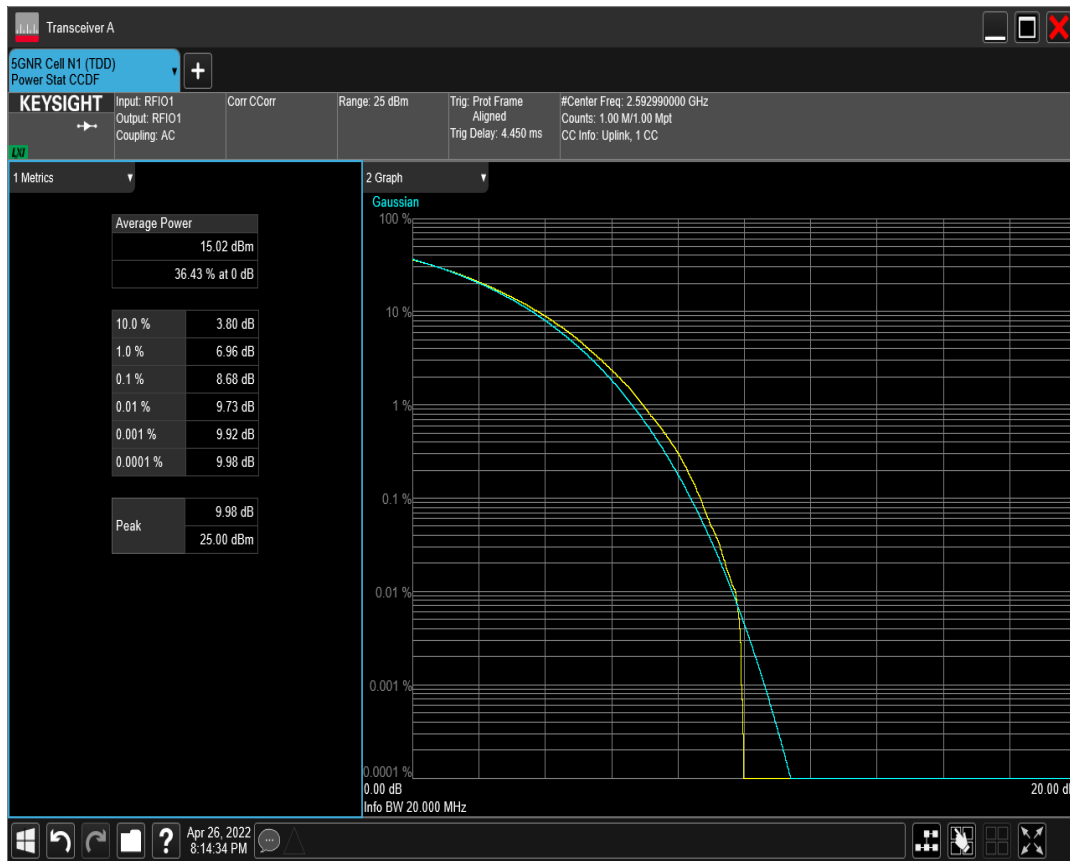
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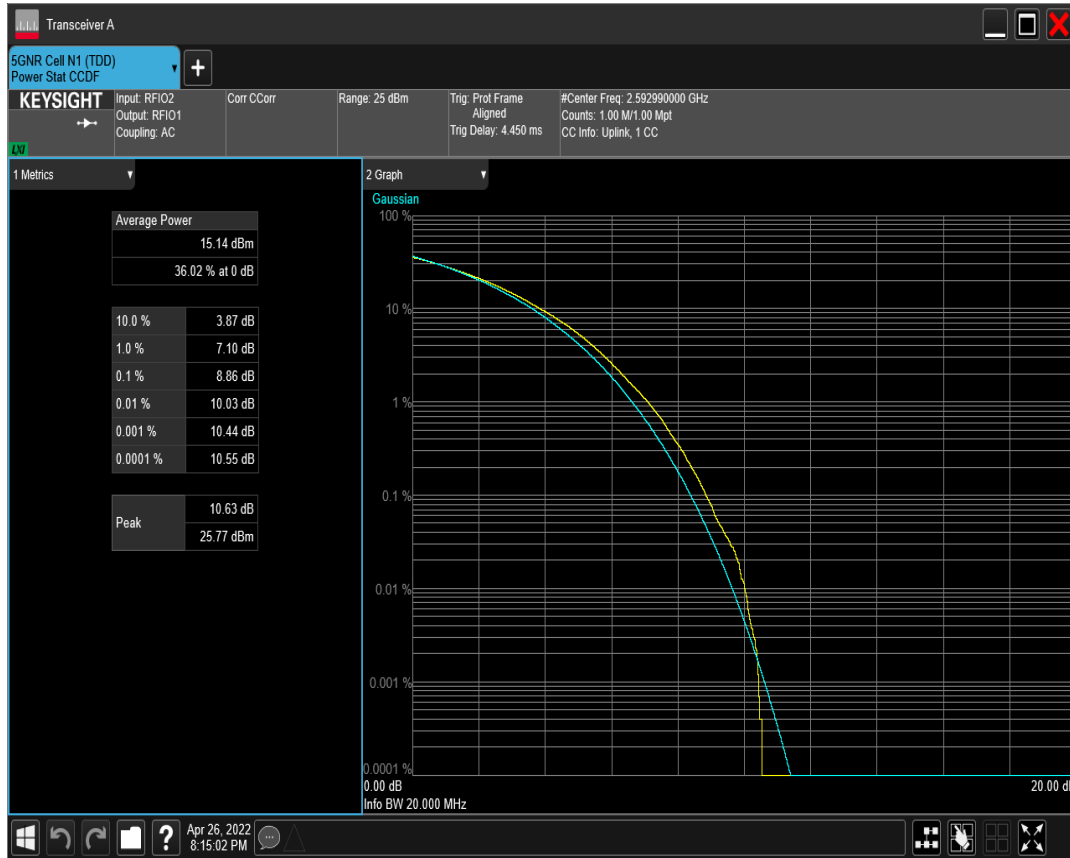
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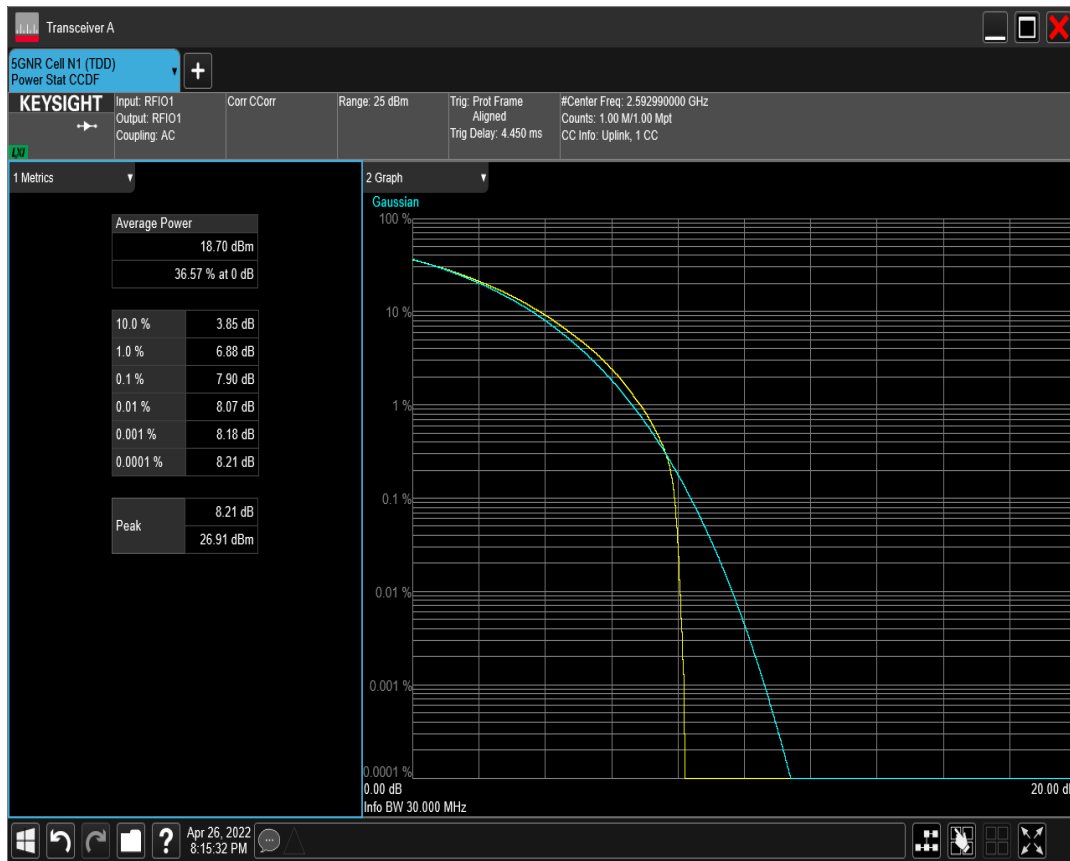
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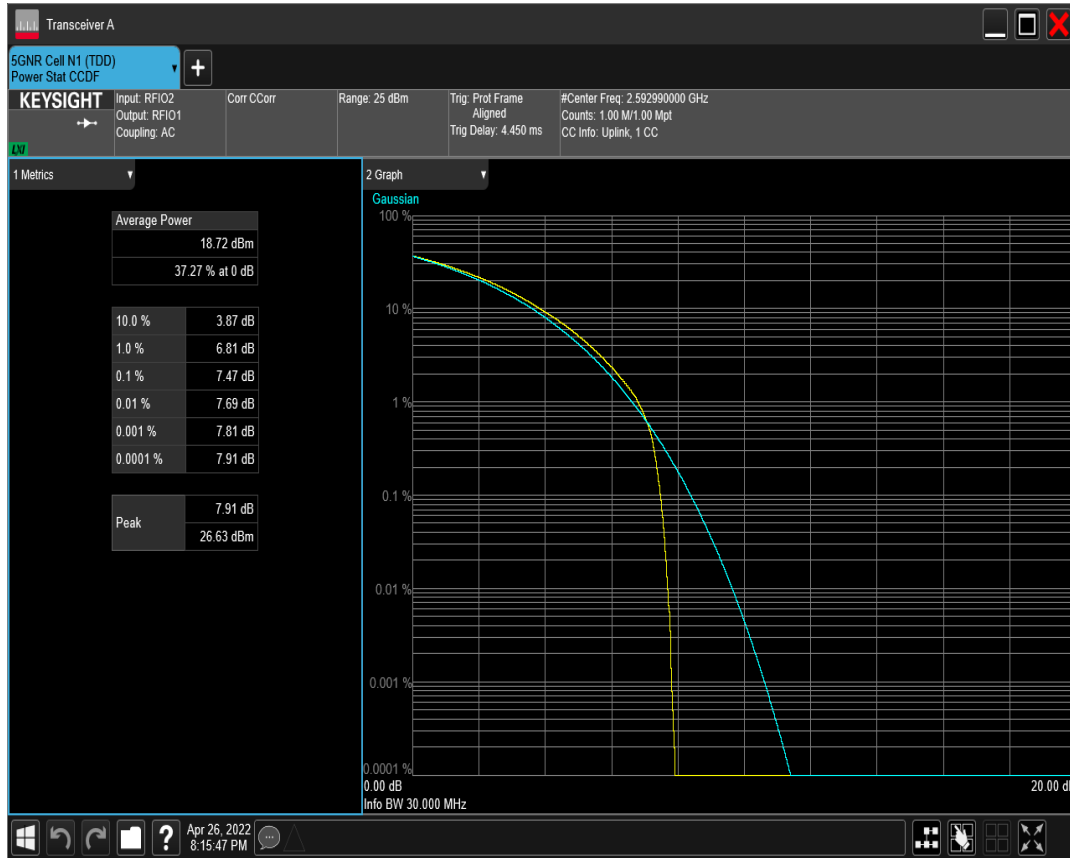
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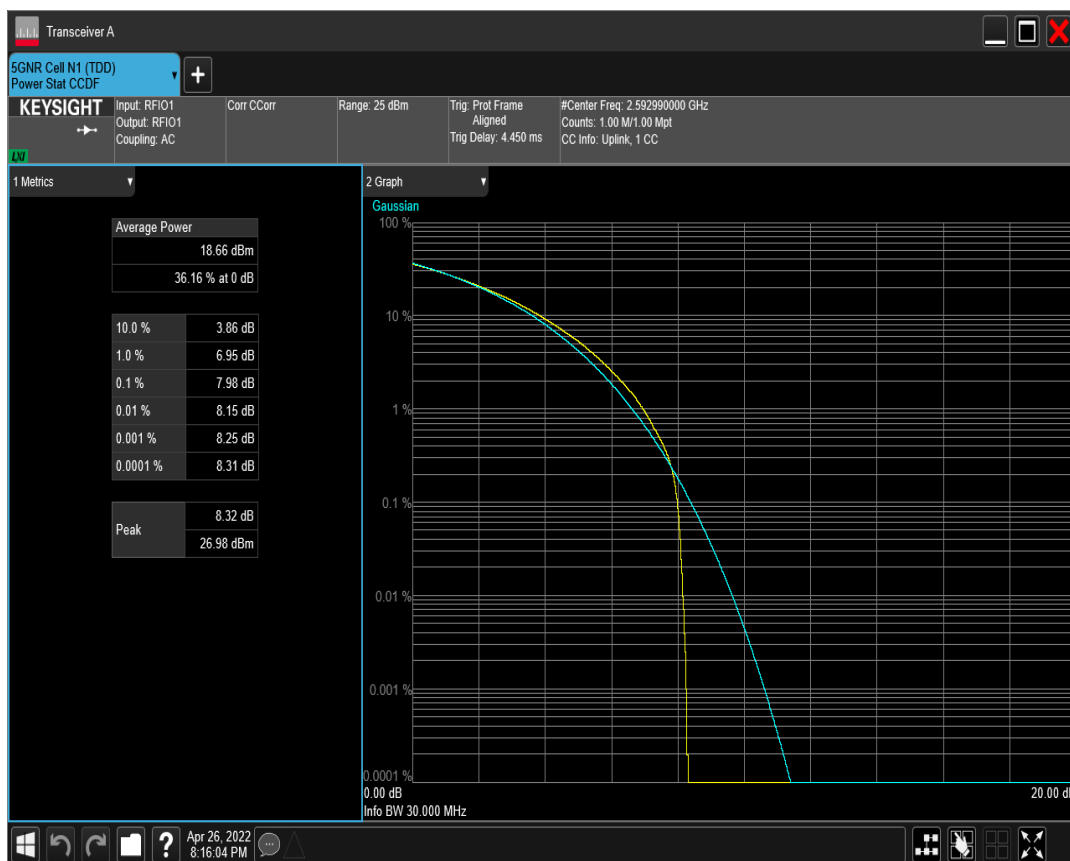
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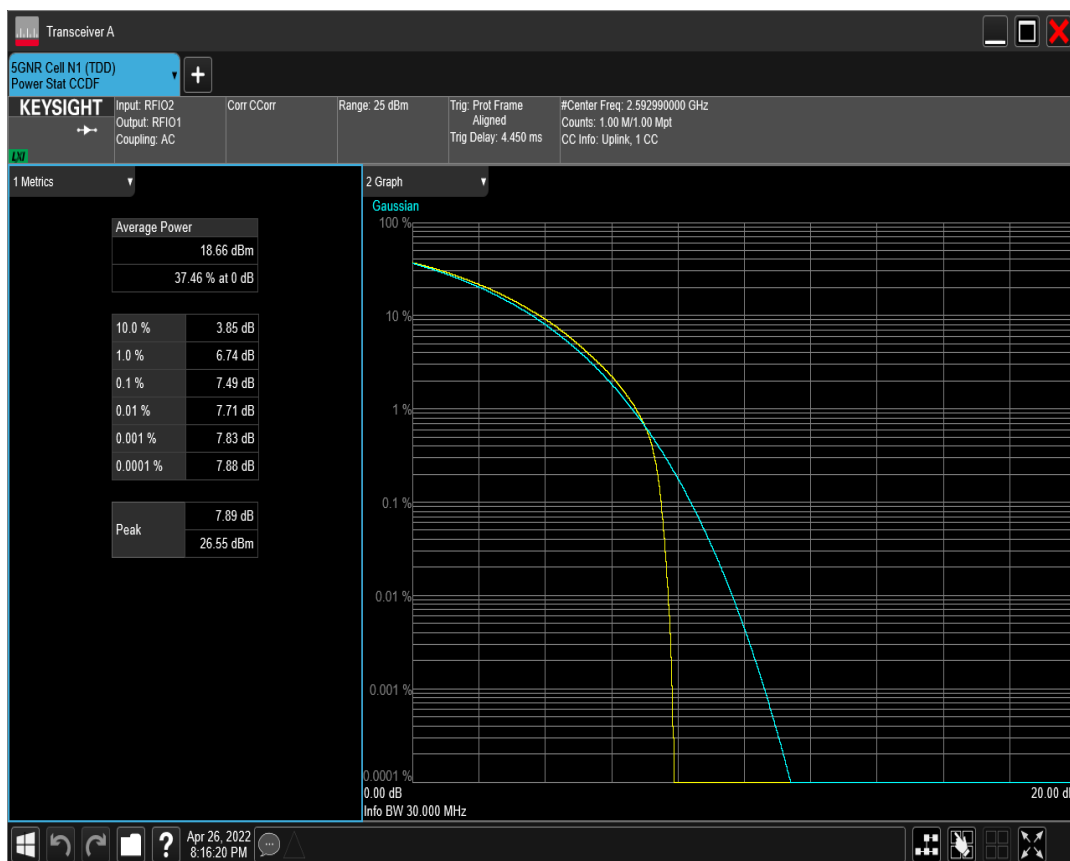
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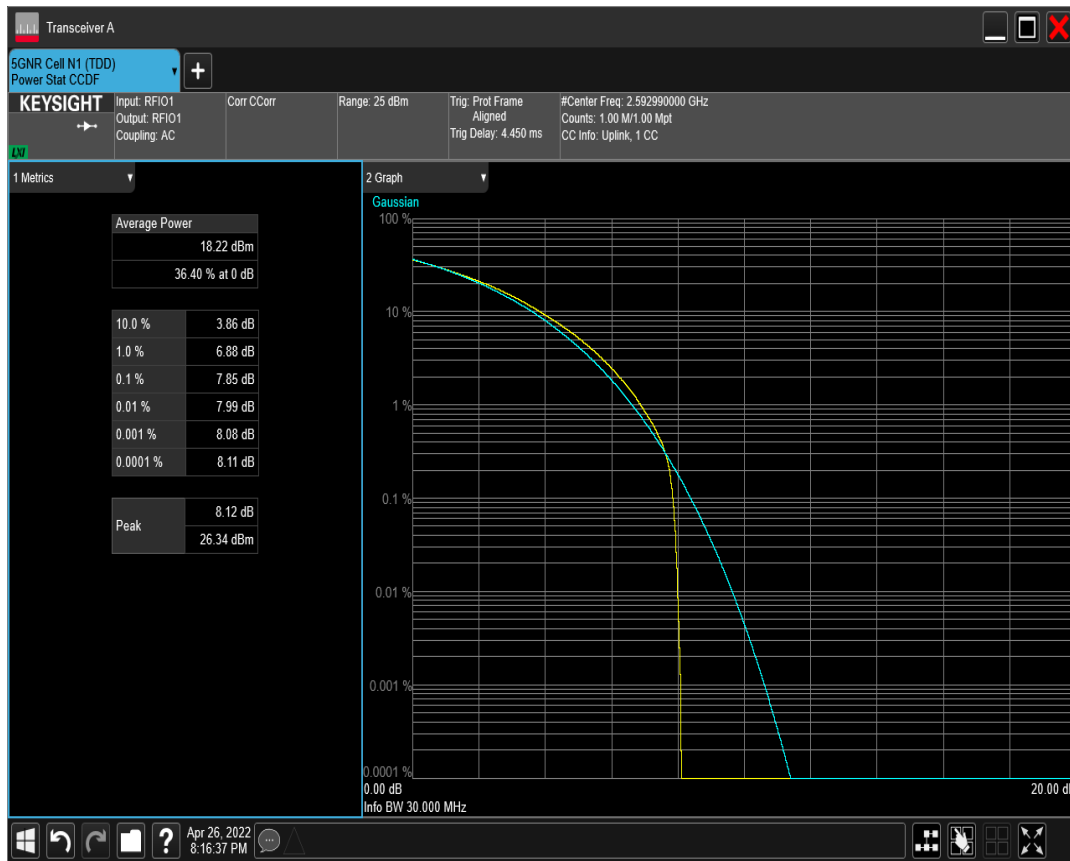
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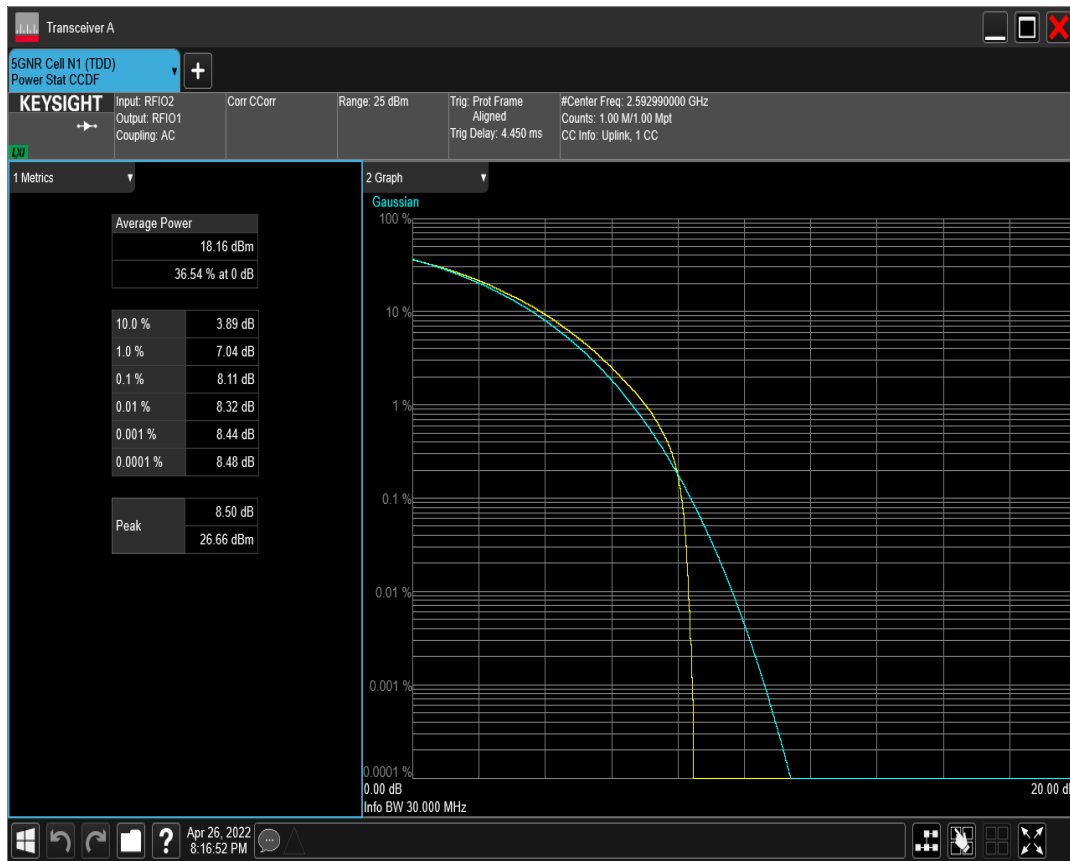
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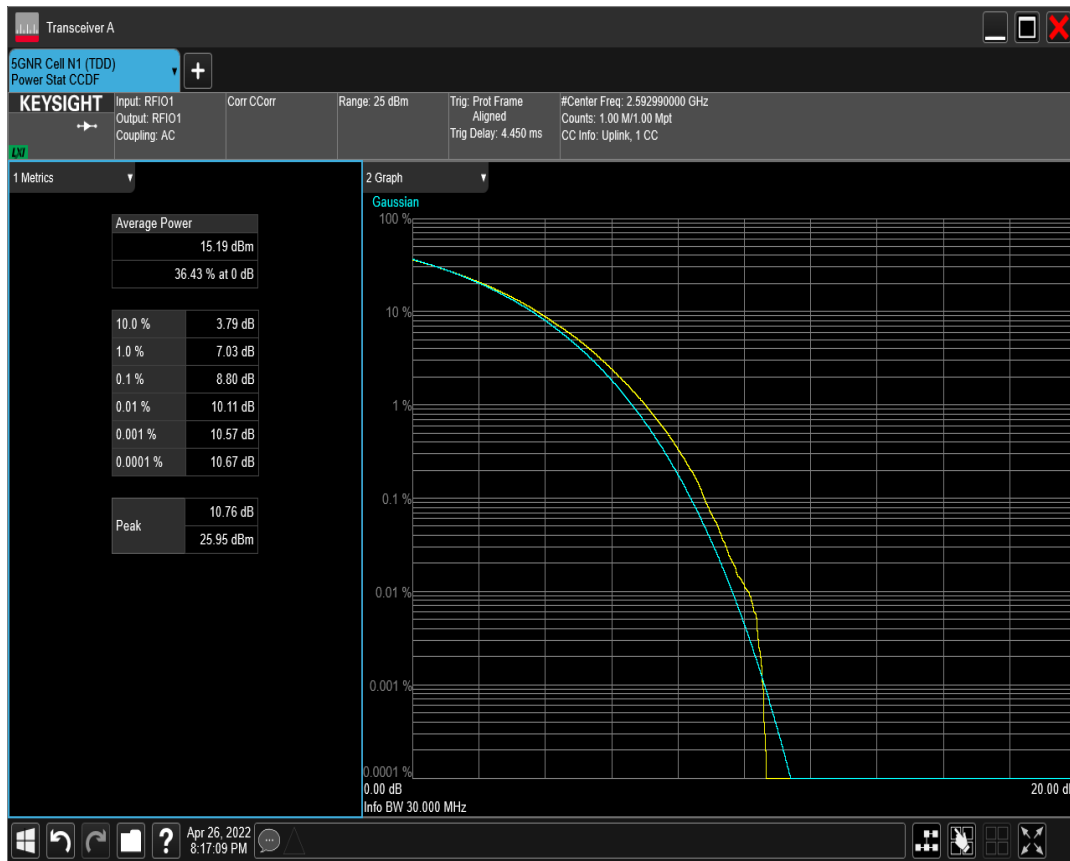
n41 SCS=30kHz CP_QAM64 BW=30MHz Channel=518598 RB=78@0 ant1



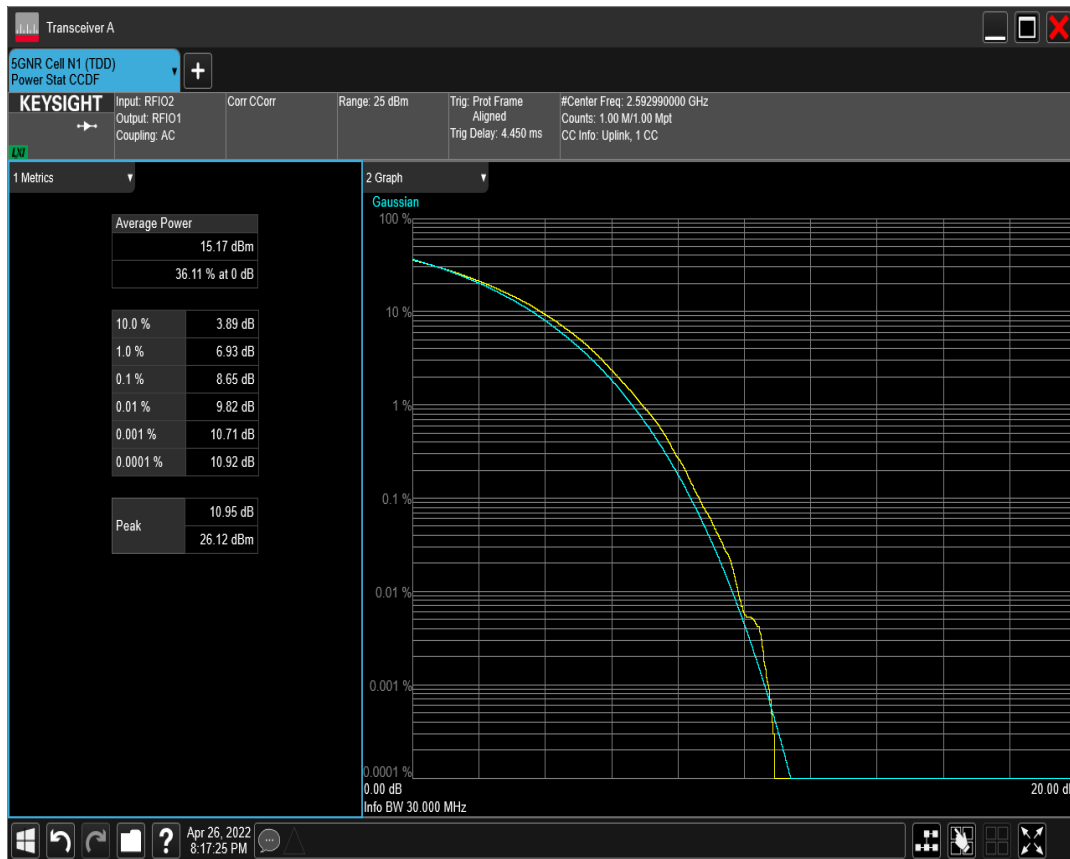
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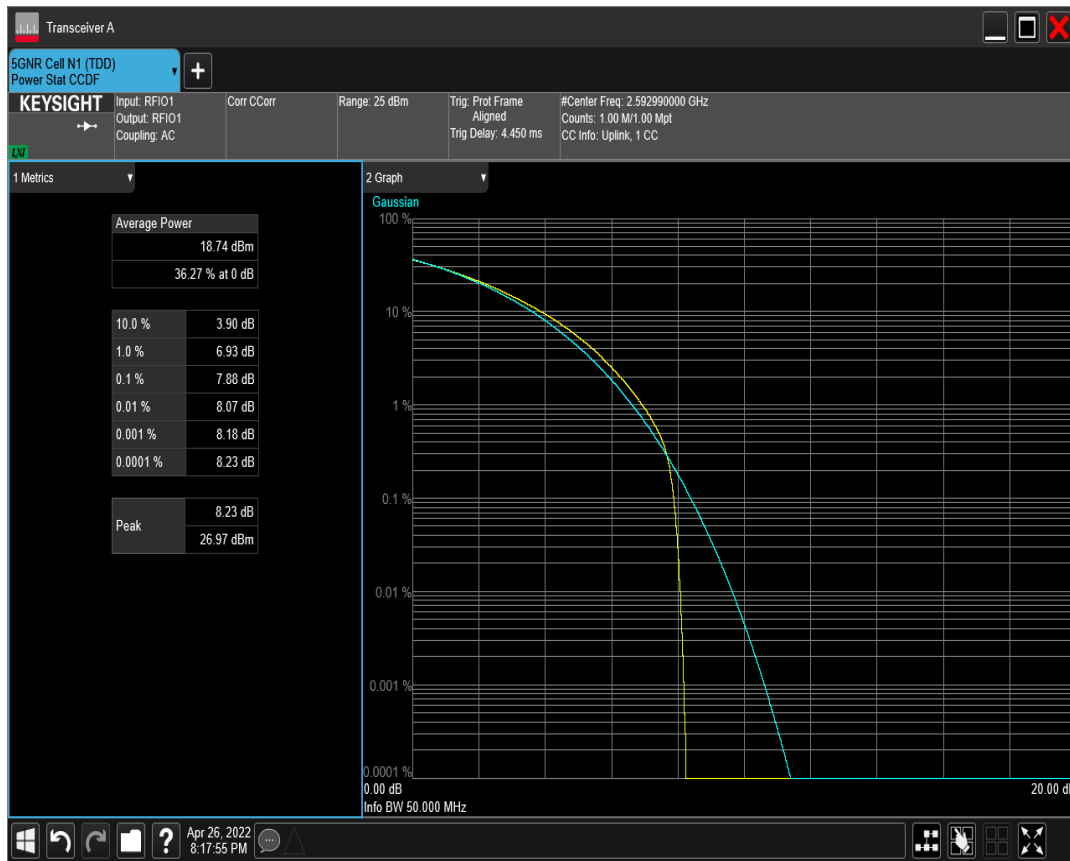
n41 SCS=30kHz CP_QAM256 BW=30MHz Channel=518598 RB=78@0 ant1



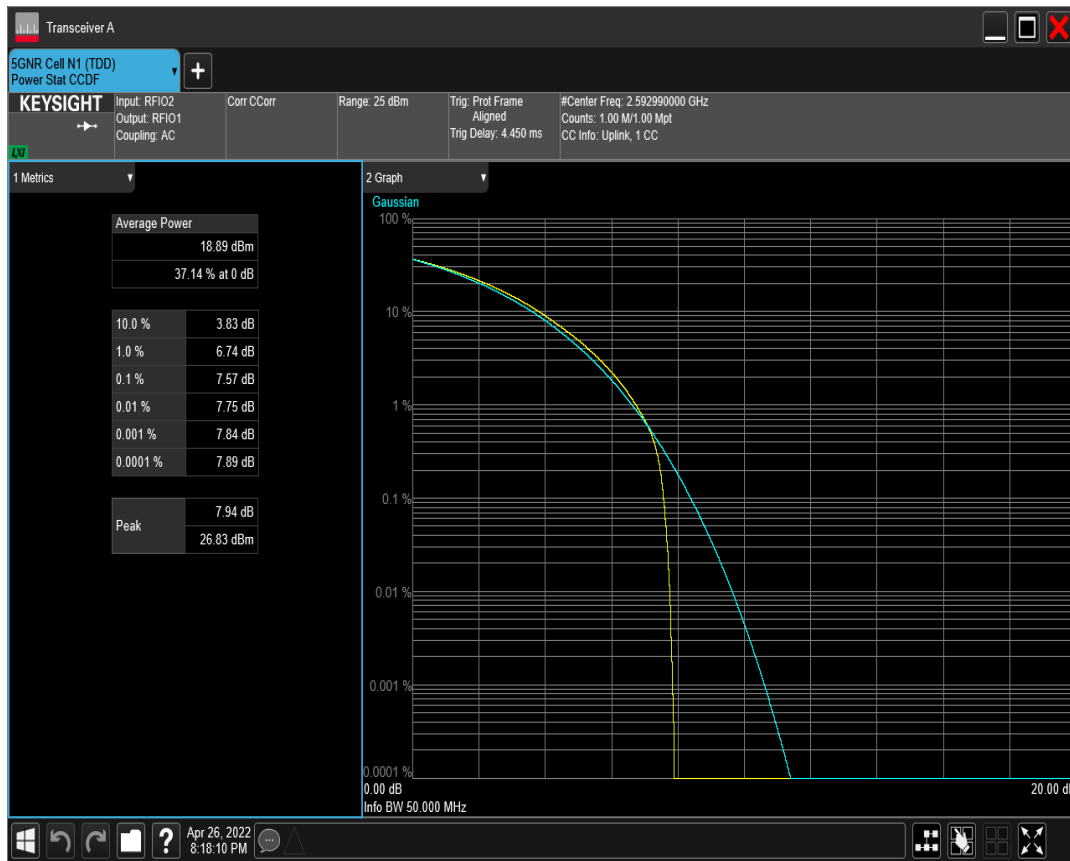
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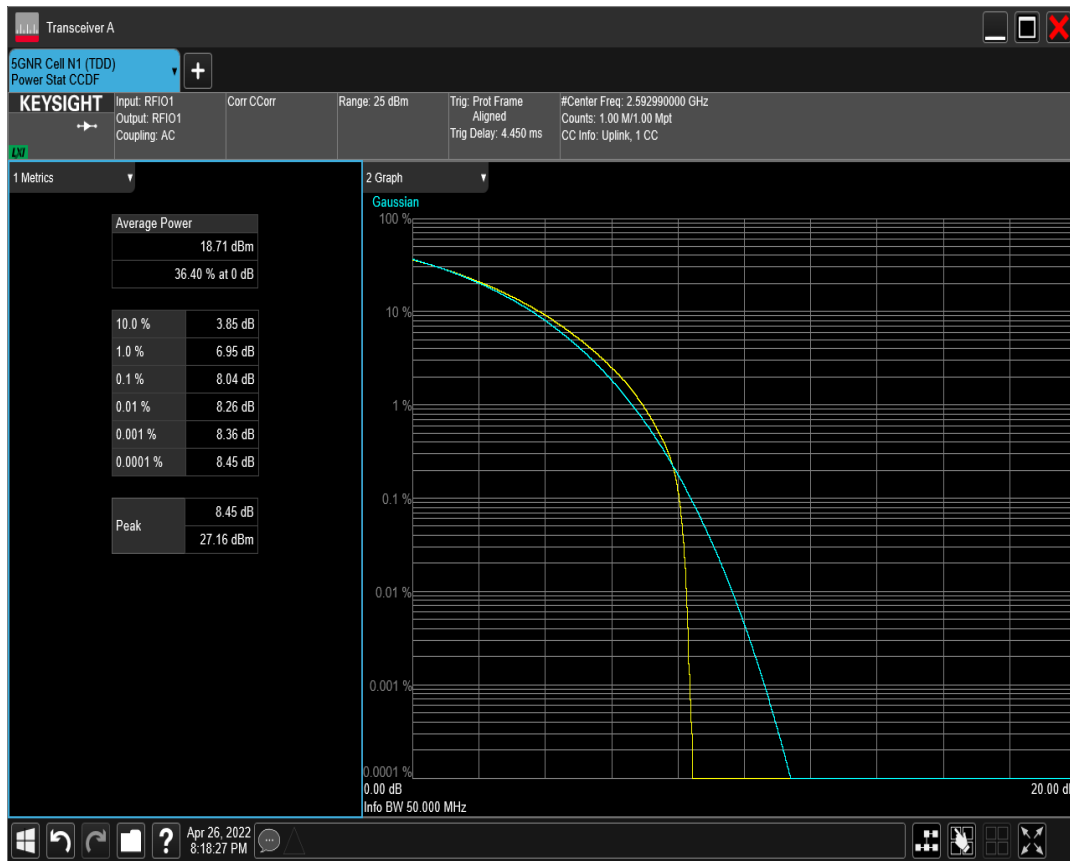
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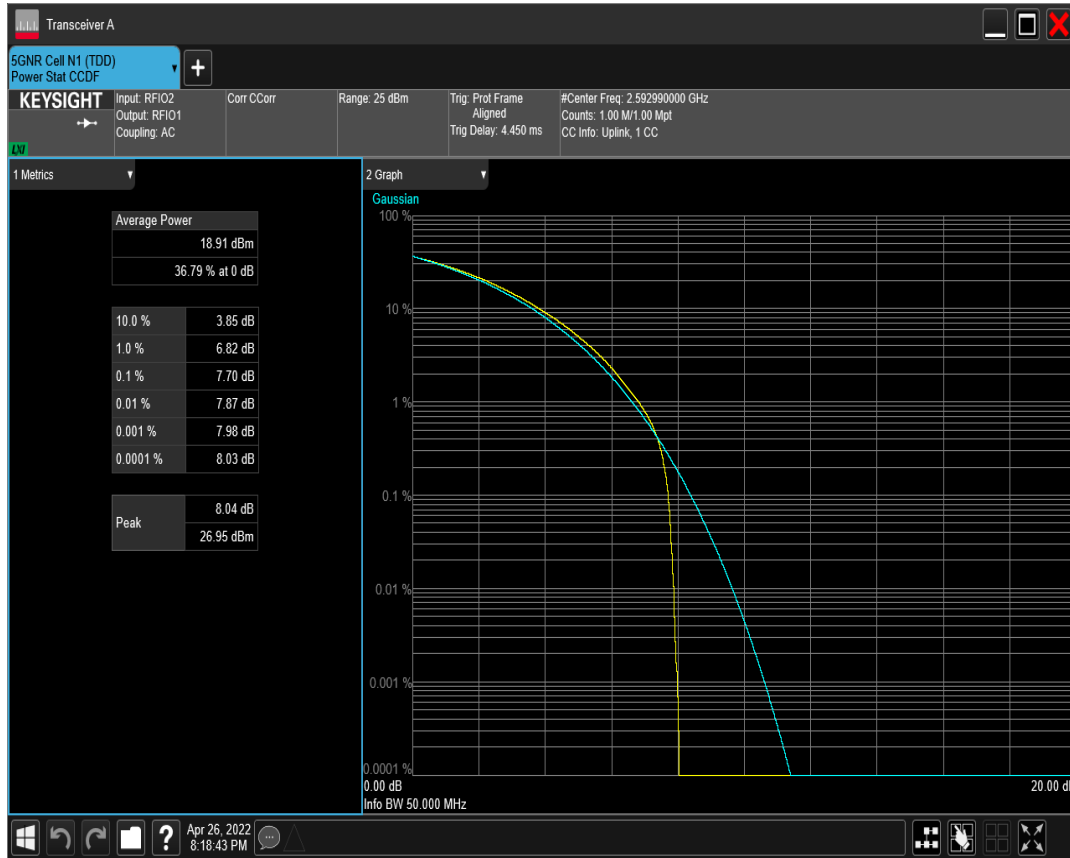
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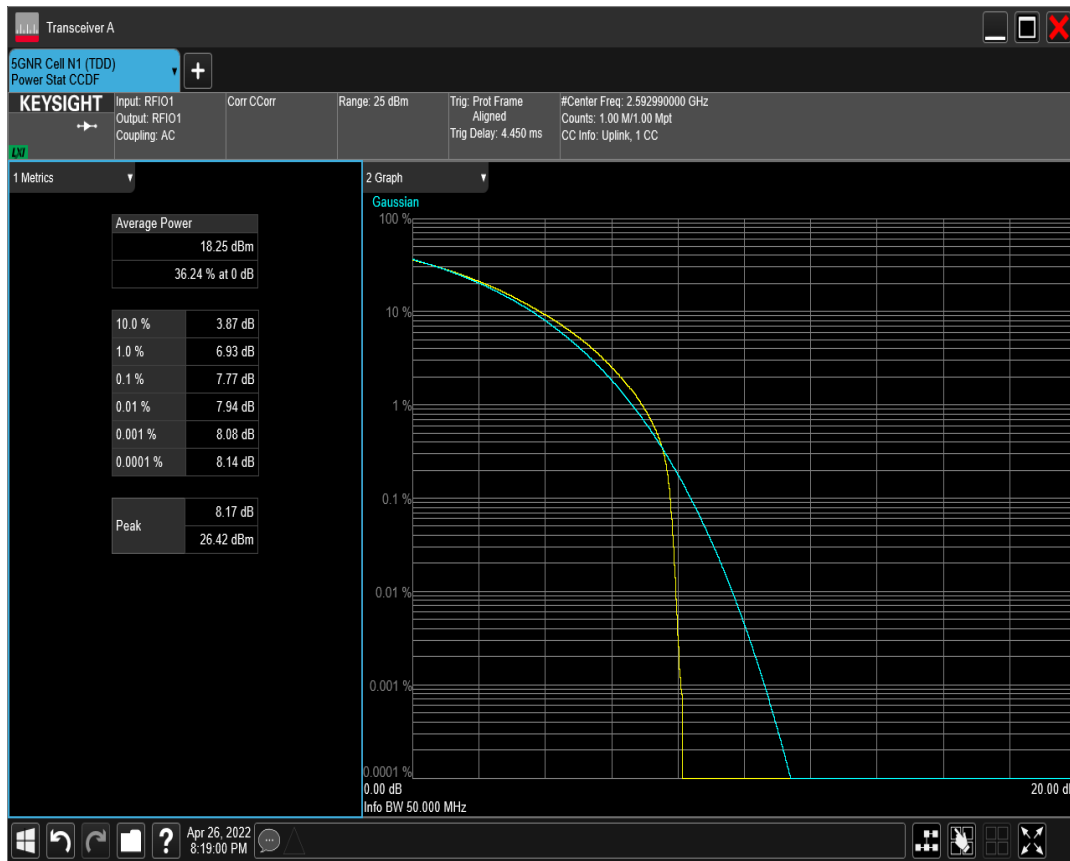
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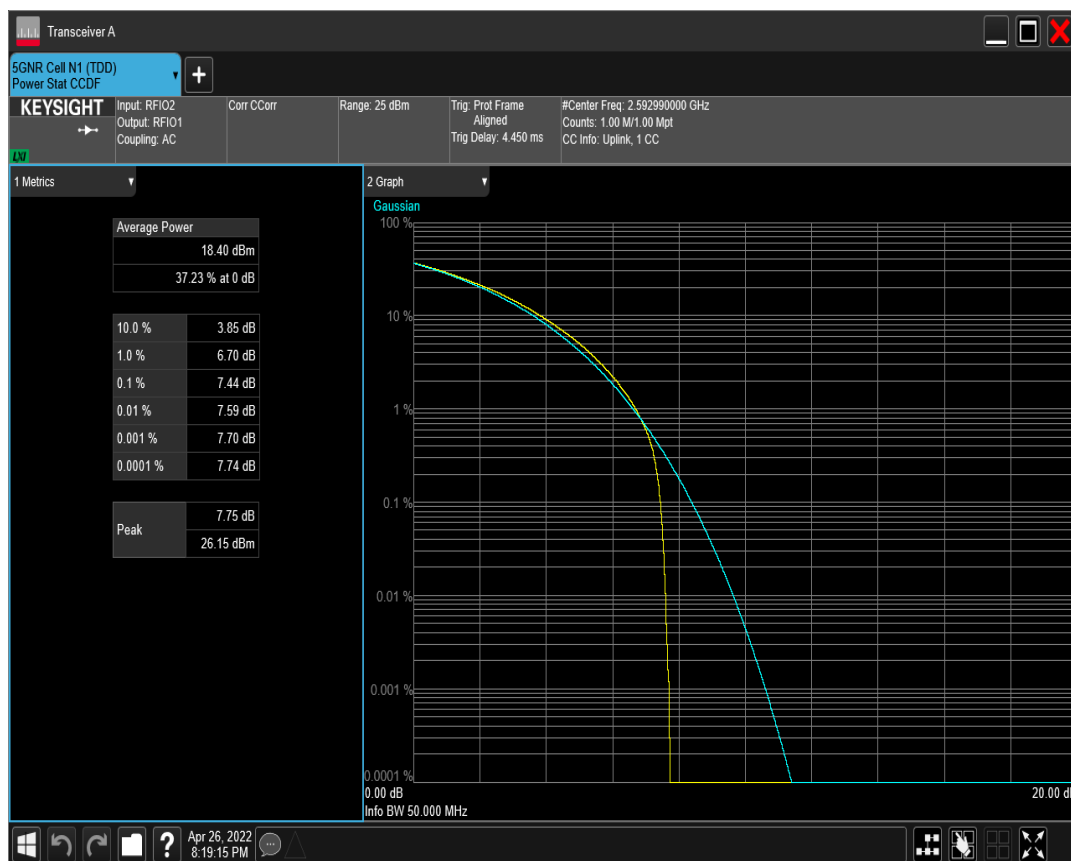
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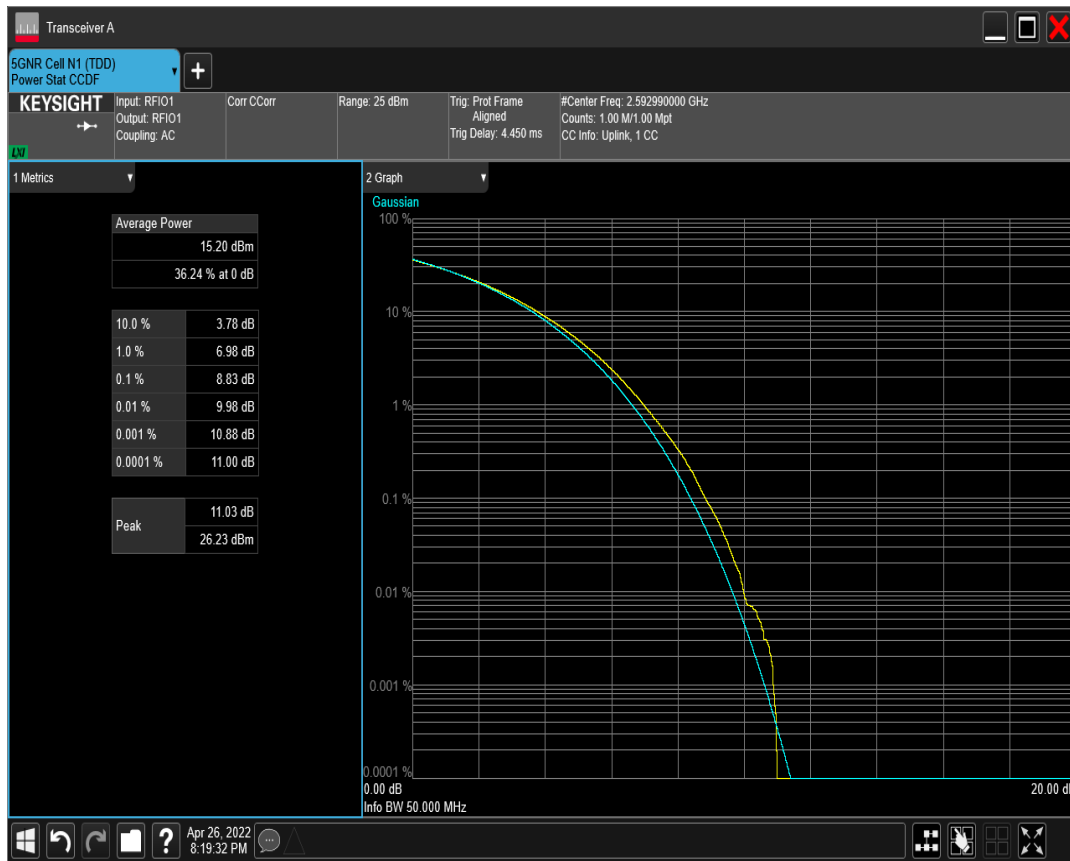
n41 SCS=30kHz CP_QAM64 BW=40MHz Channel=518598 RB=106@0 ant1



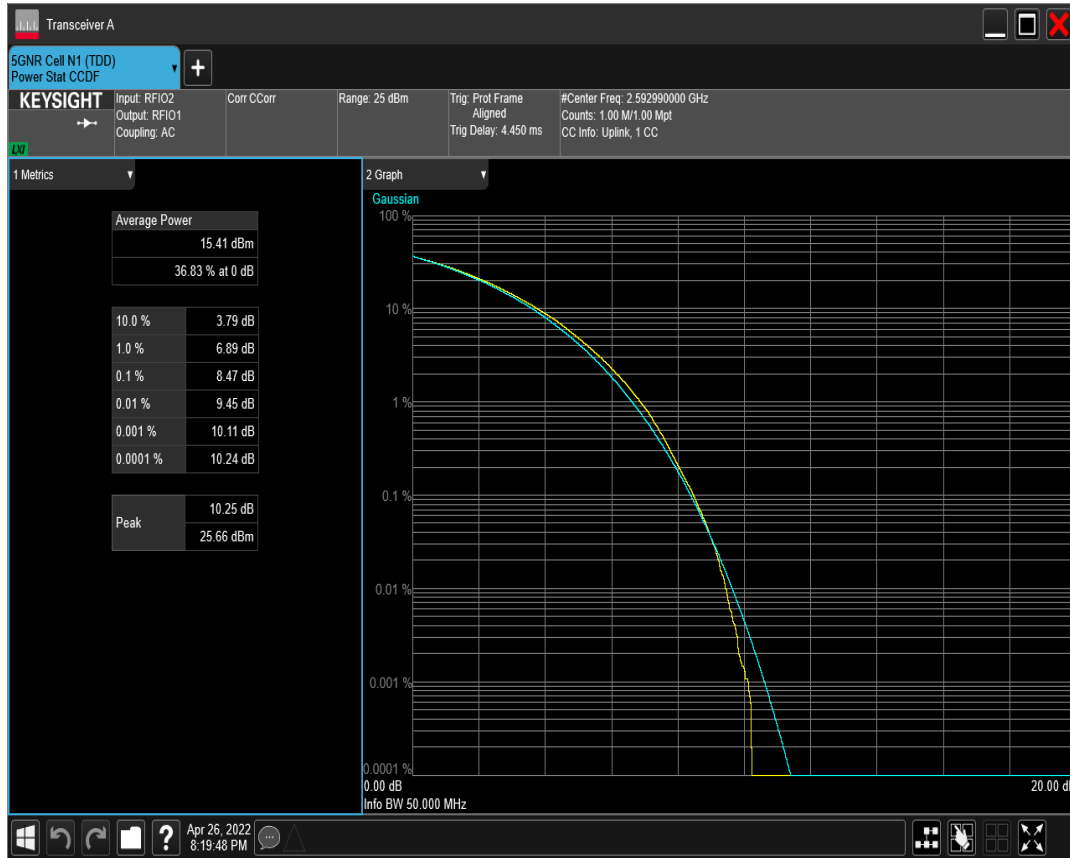
n41 SCS=30kHz CP_QAM64 BW=40MHz Channel=518598 RB=106@0 ant2



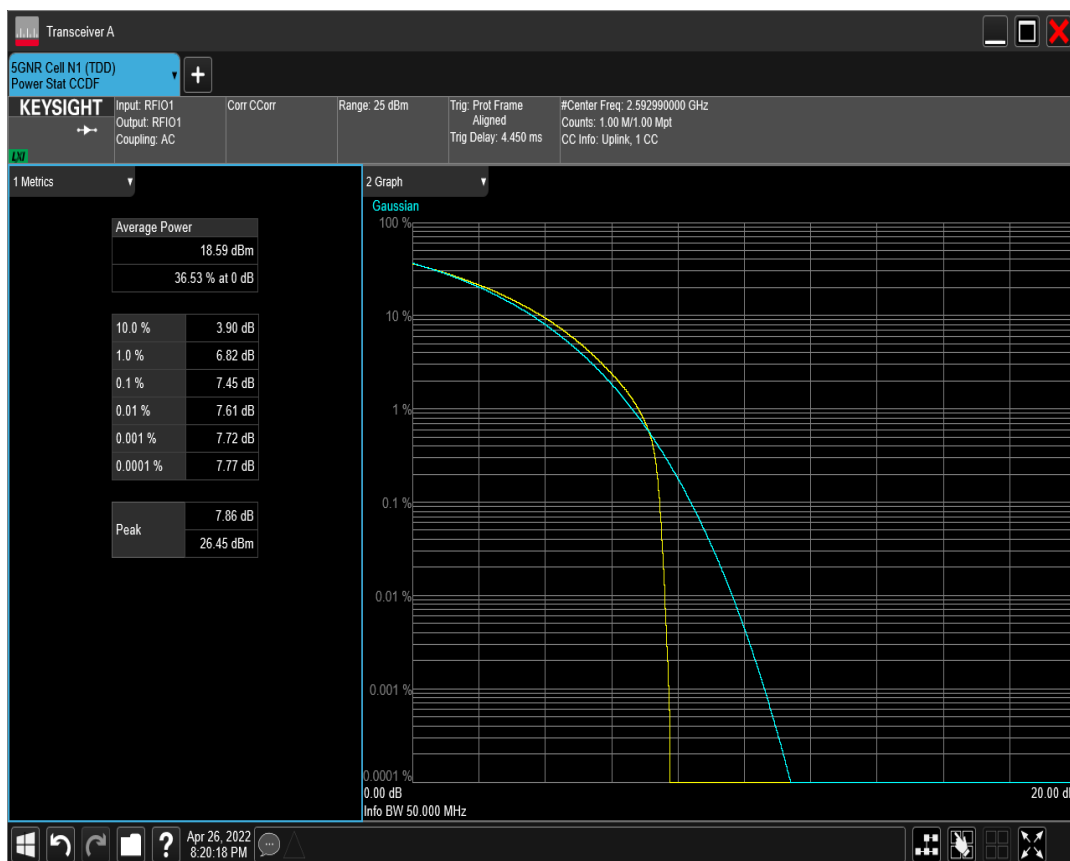
n41 SCS=30kHz CP_QAM256 BW=40MHz Channel=518598 RB=106@0 ant1



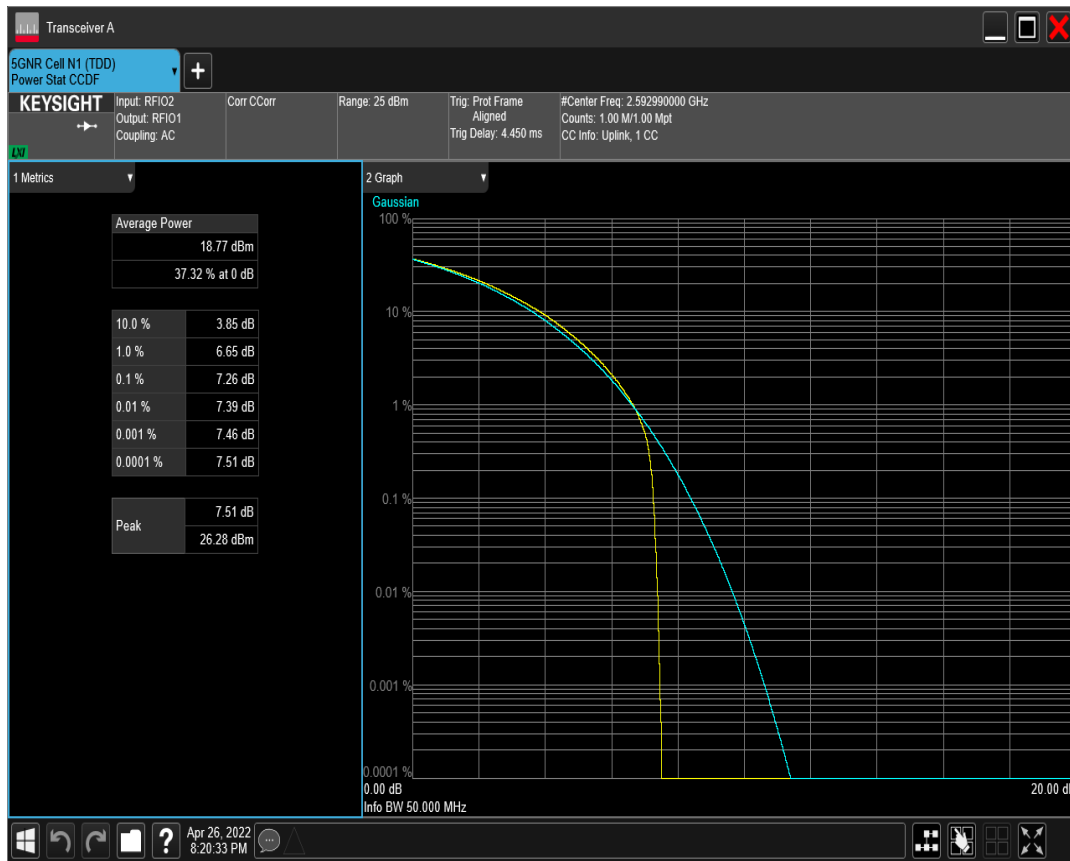
n41 SCS=30kHz CP_QAM256 BW=40MHz Channel=518598 RB=106@0 ant2



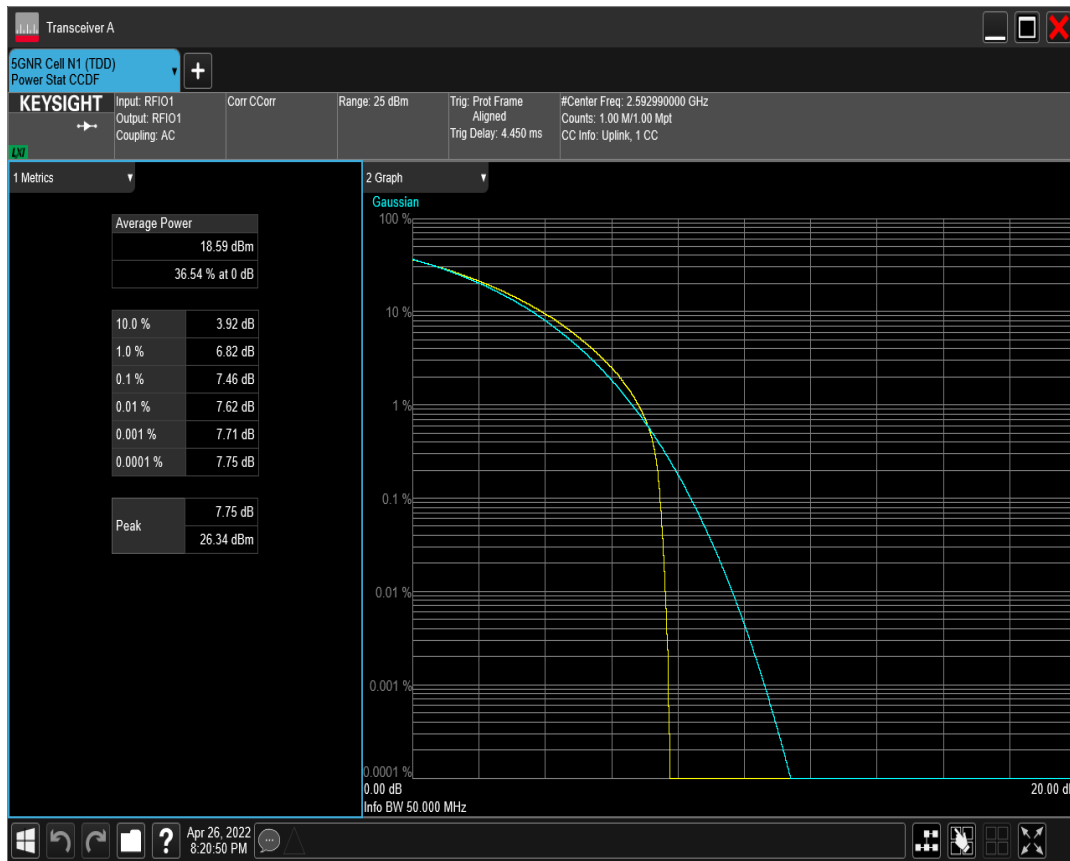
n41 SCS=30kHz CP_QPSK BW=50MHz Channel=518598 RB=133@0 ant1



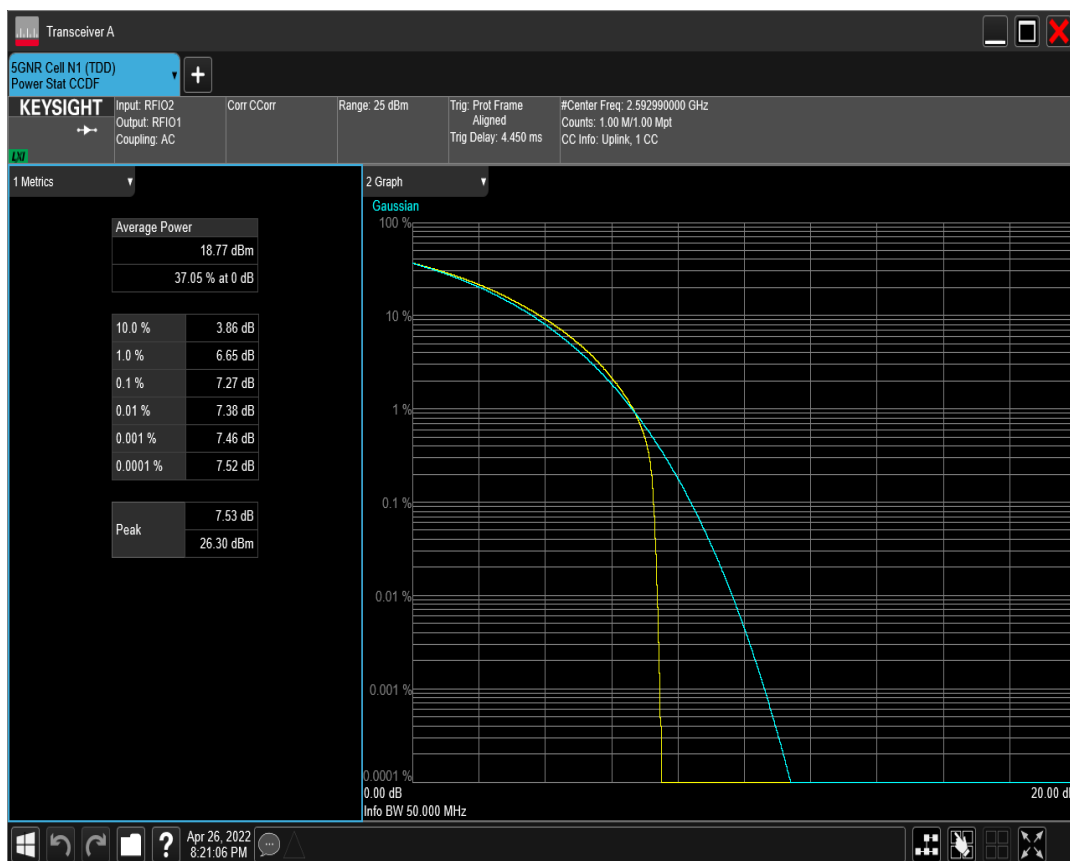
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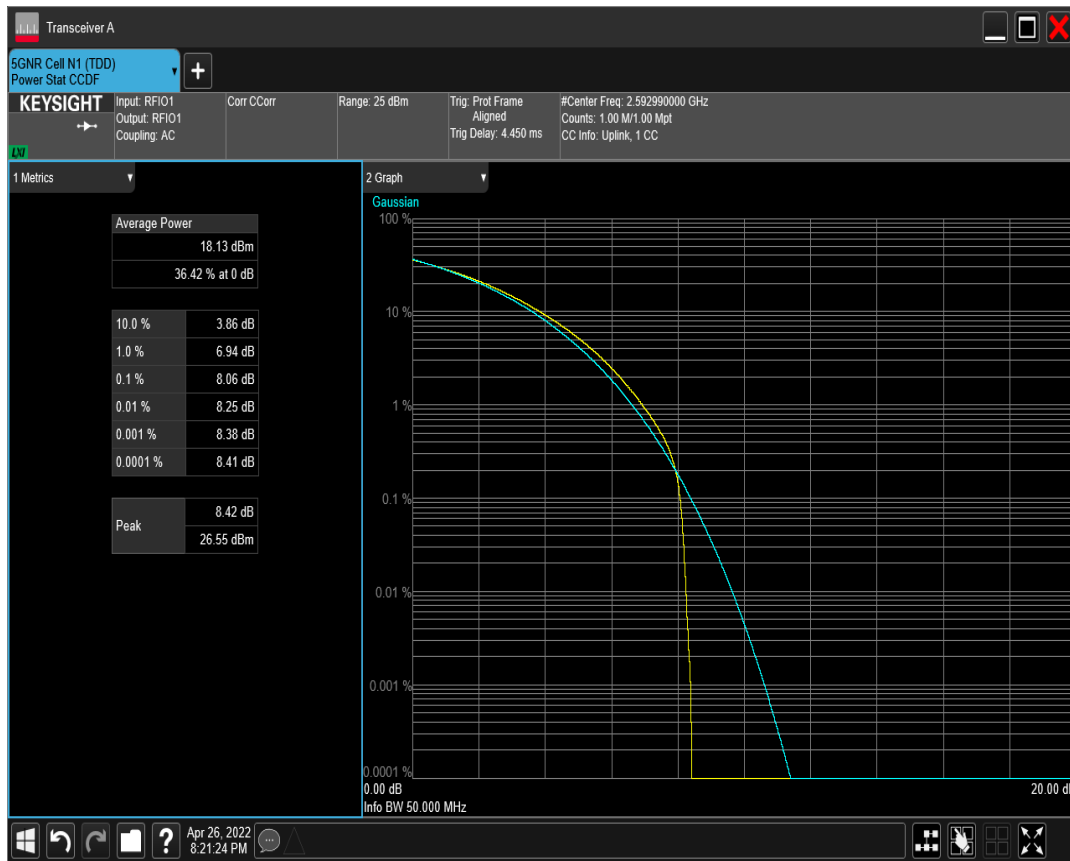
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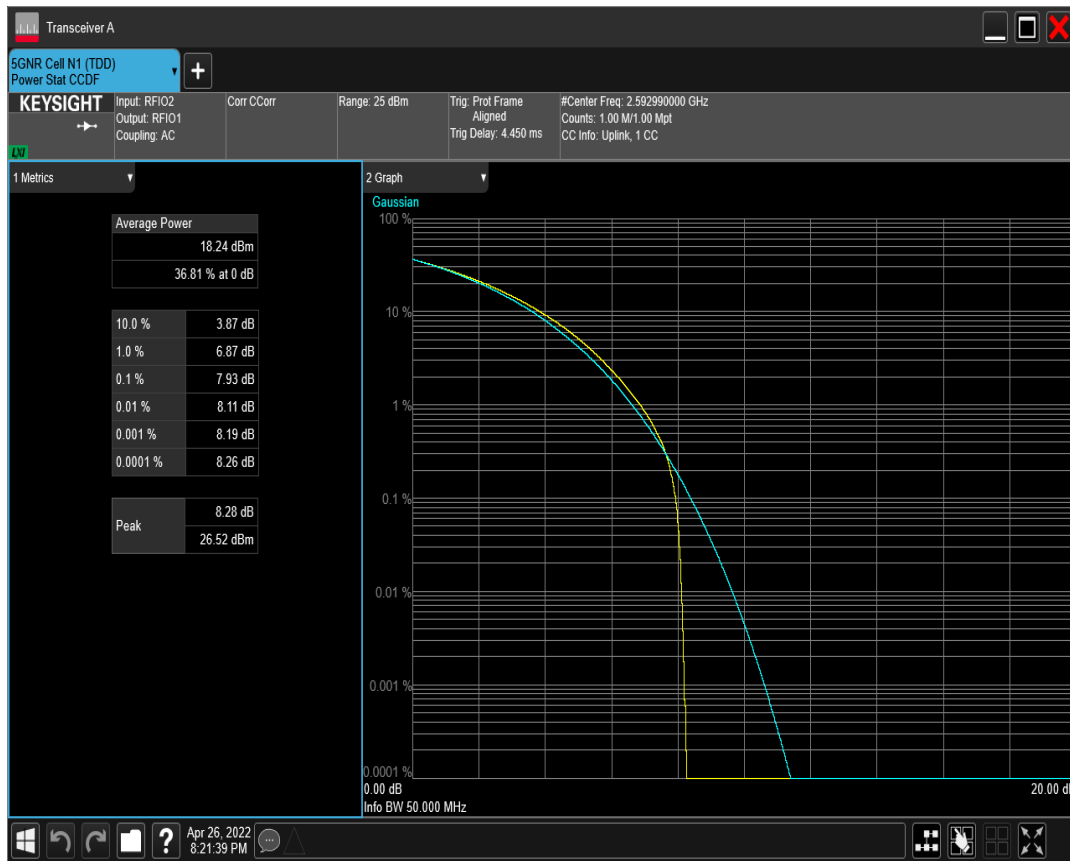
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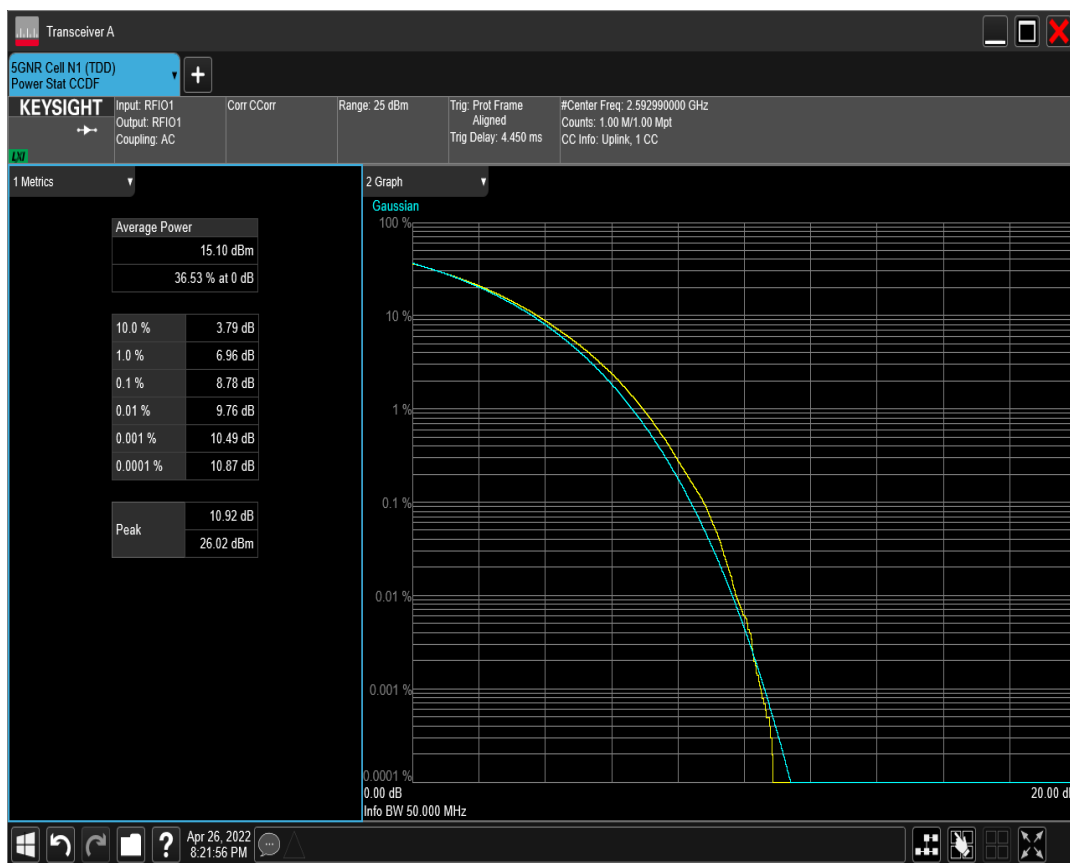
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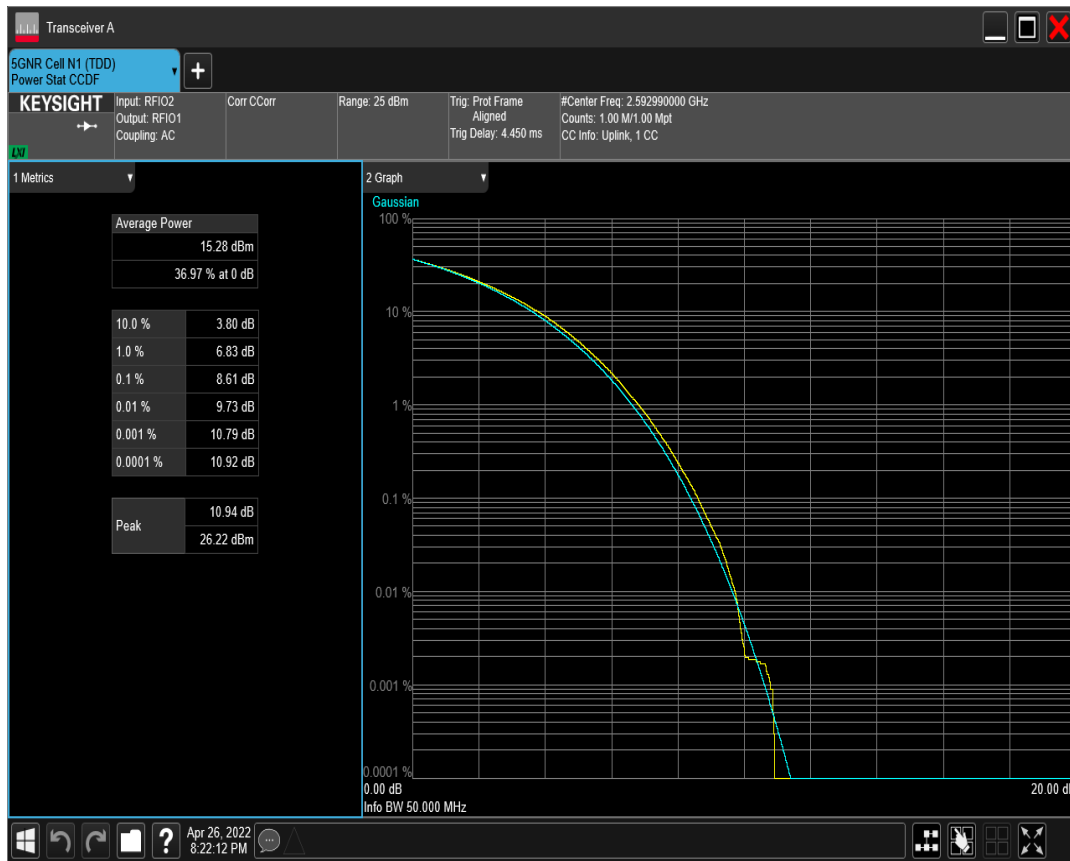
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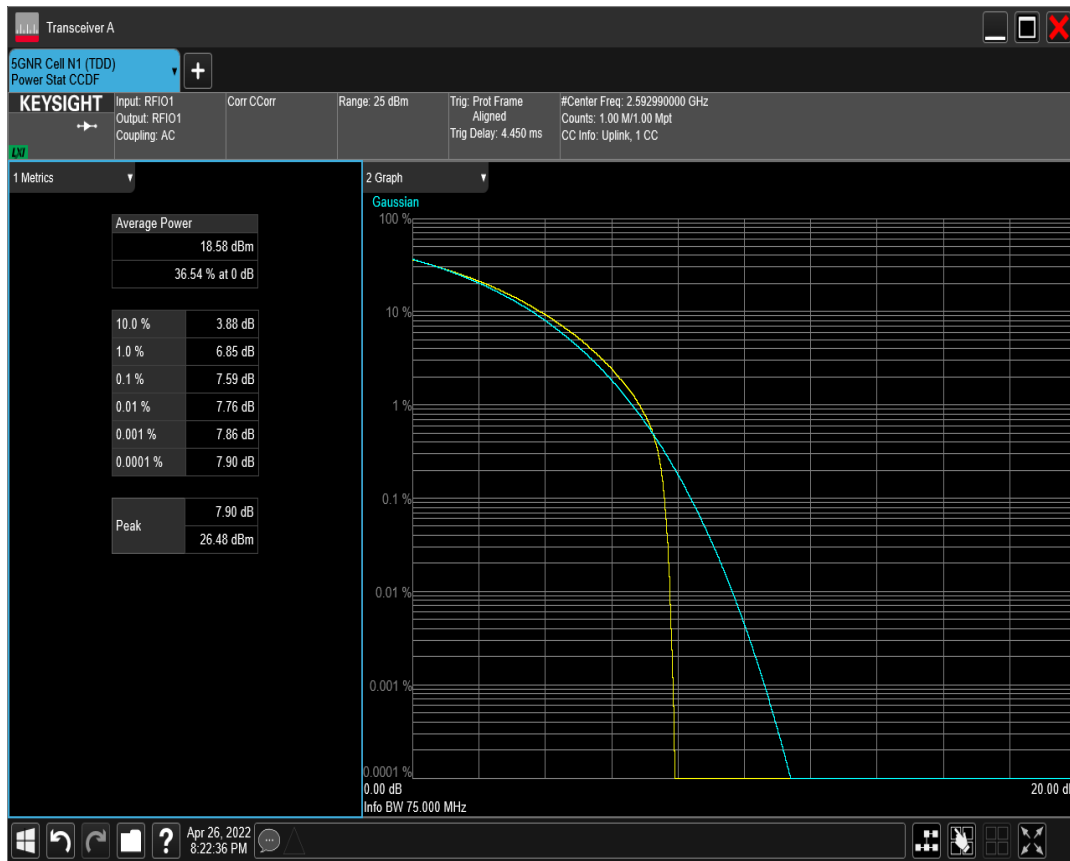
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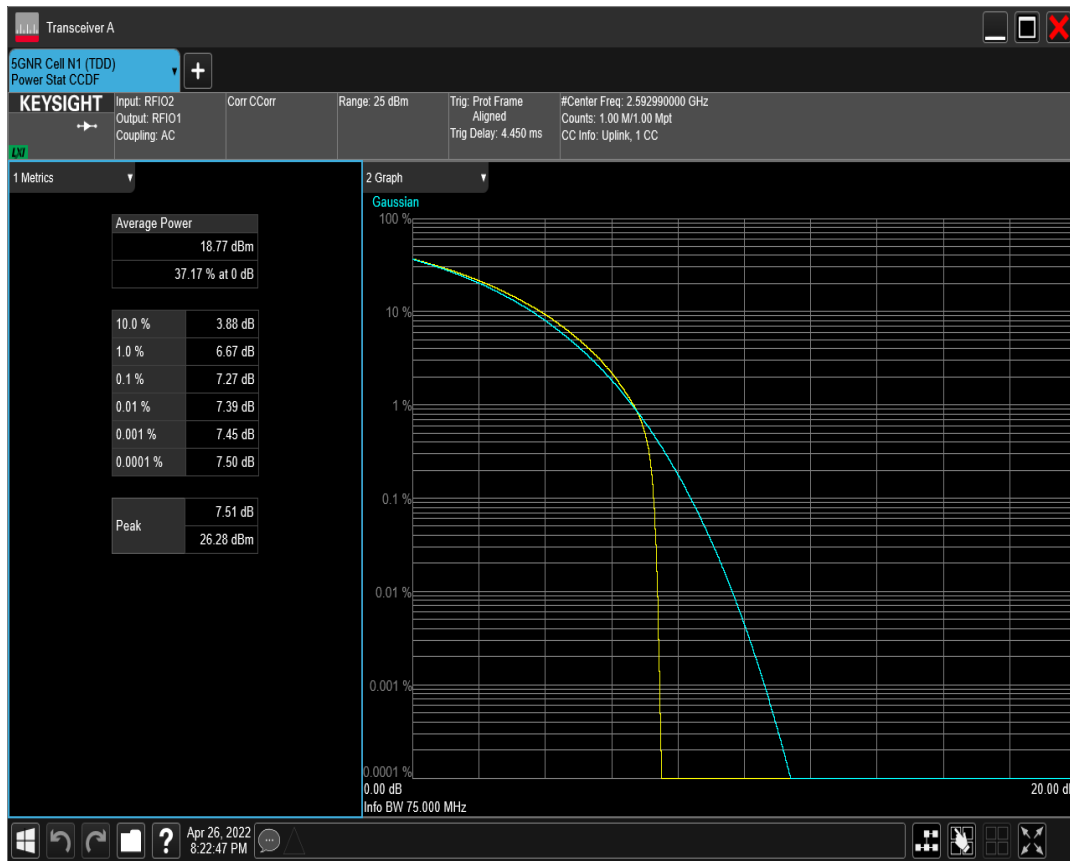
n41 SCS=30kHz CP_QAM256 BW=50MHz Channel=518598 RB=133@0 ant2



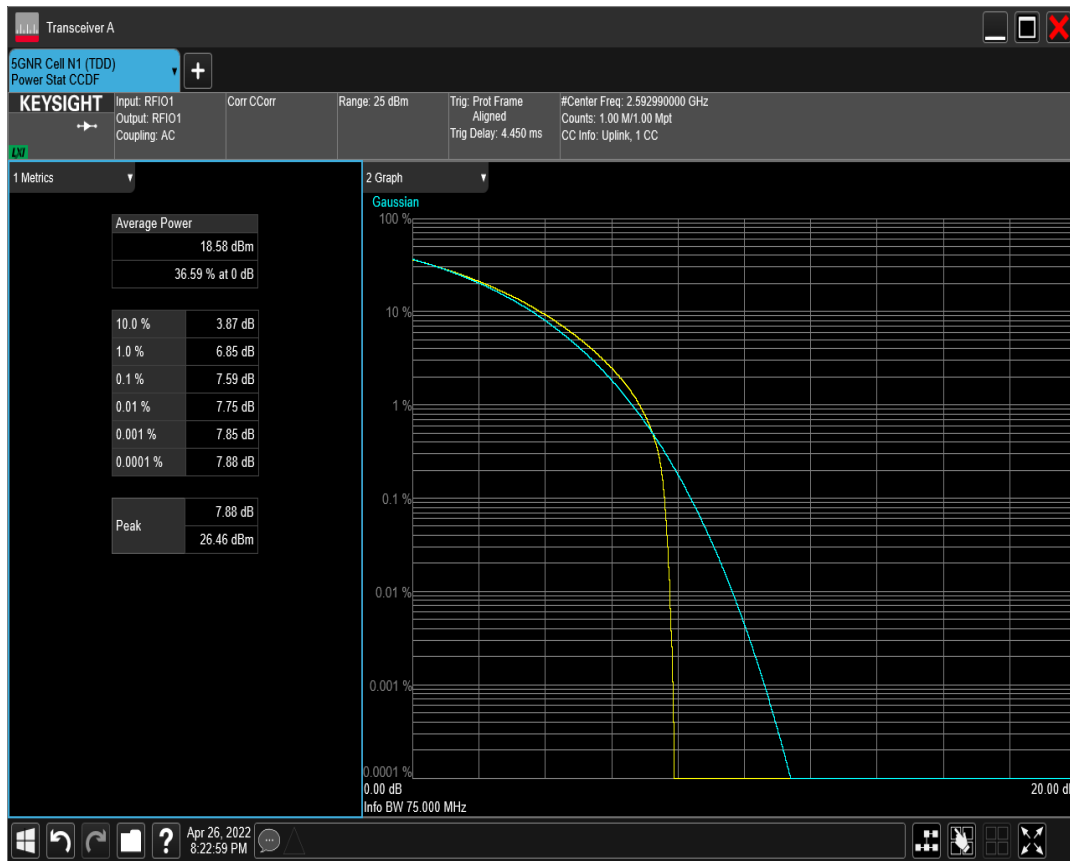
n41 SCS=30kHz CP_QPSK BW=60MHz Channel=518598 RB=162@0 ant1



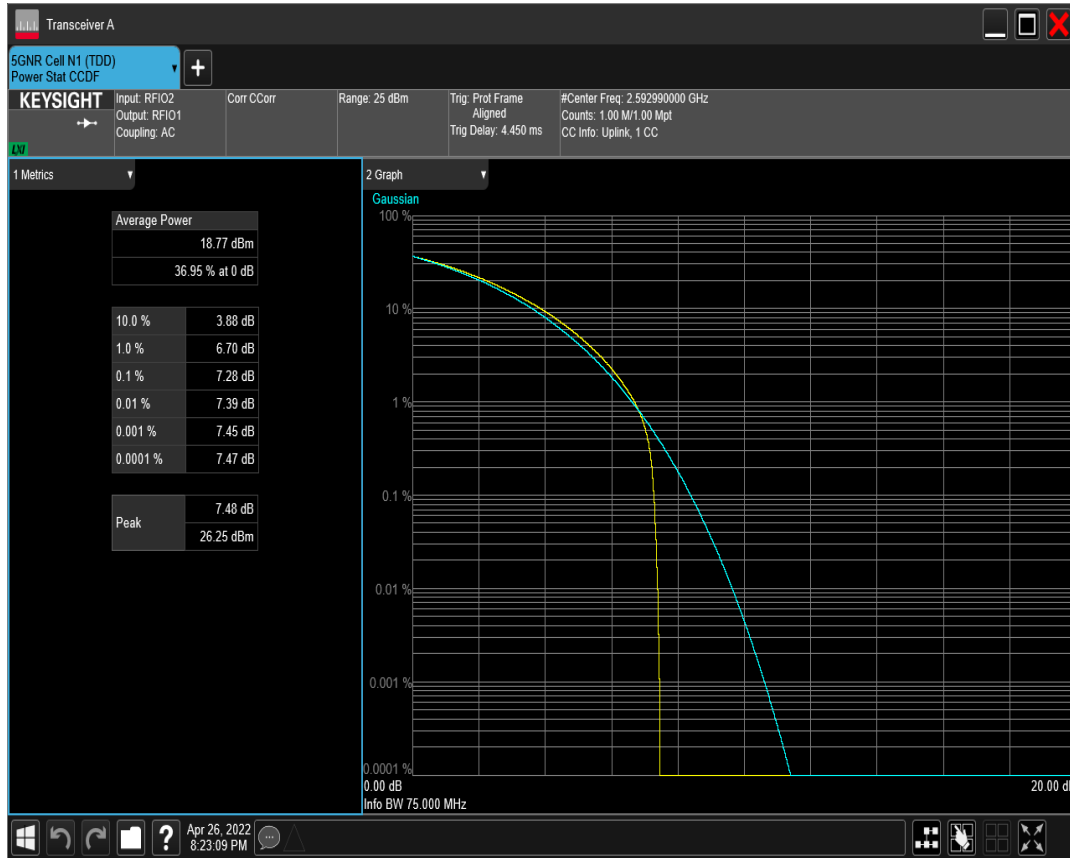
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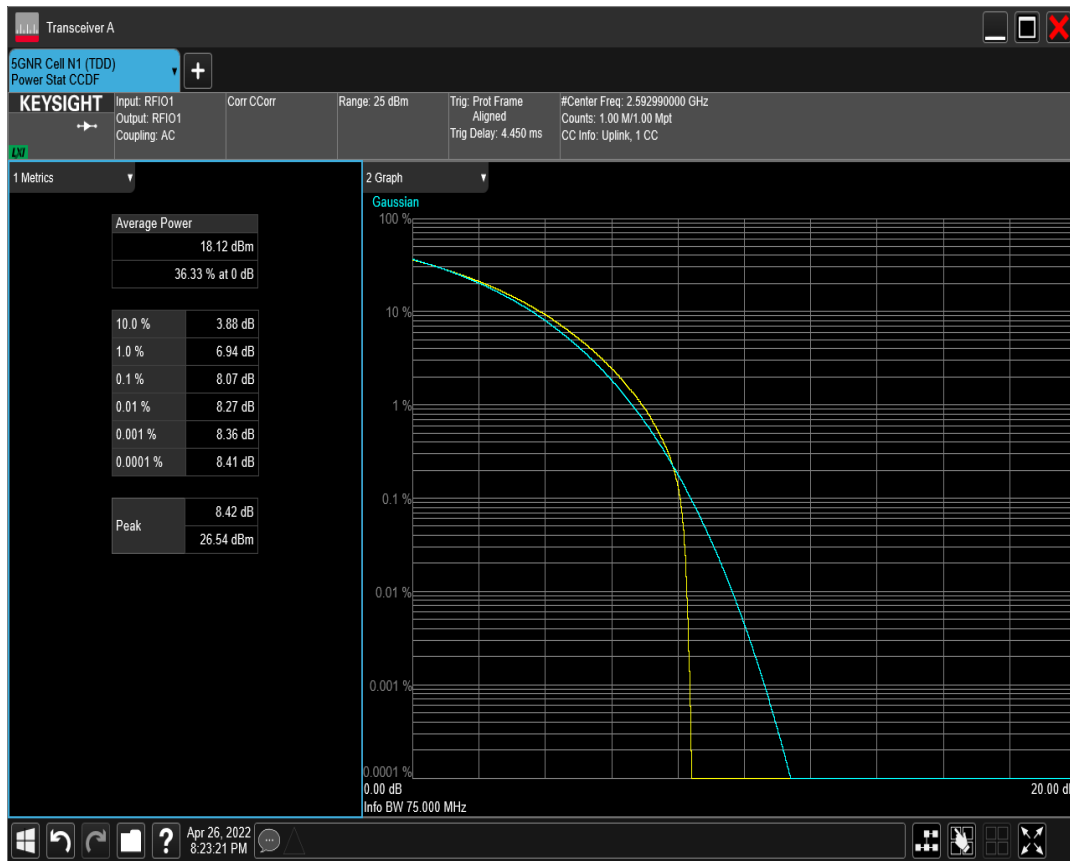
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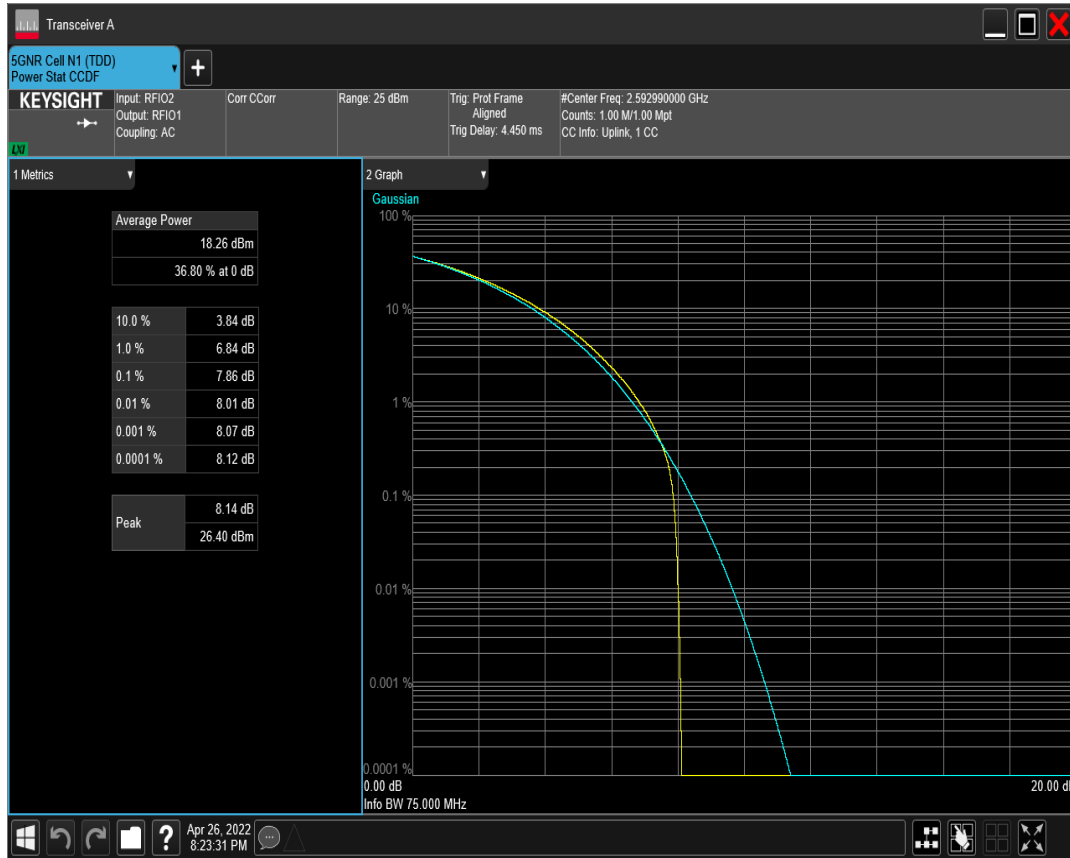
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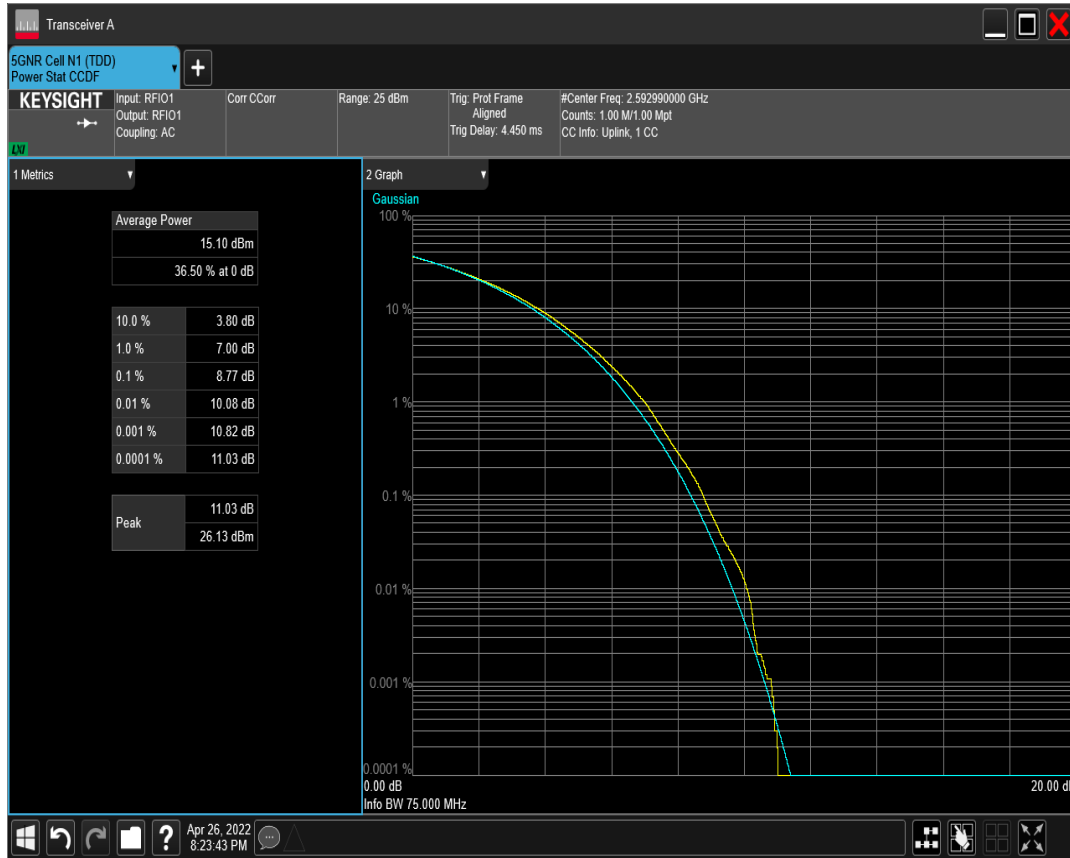
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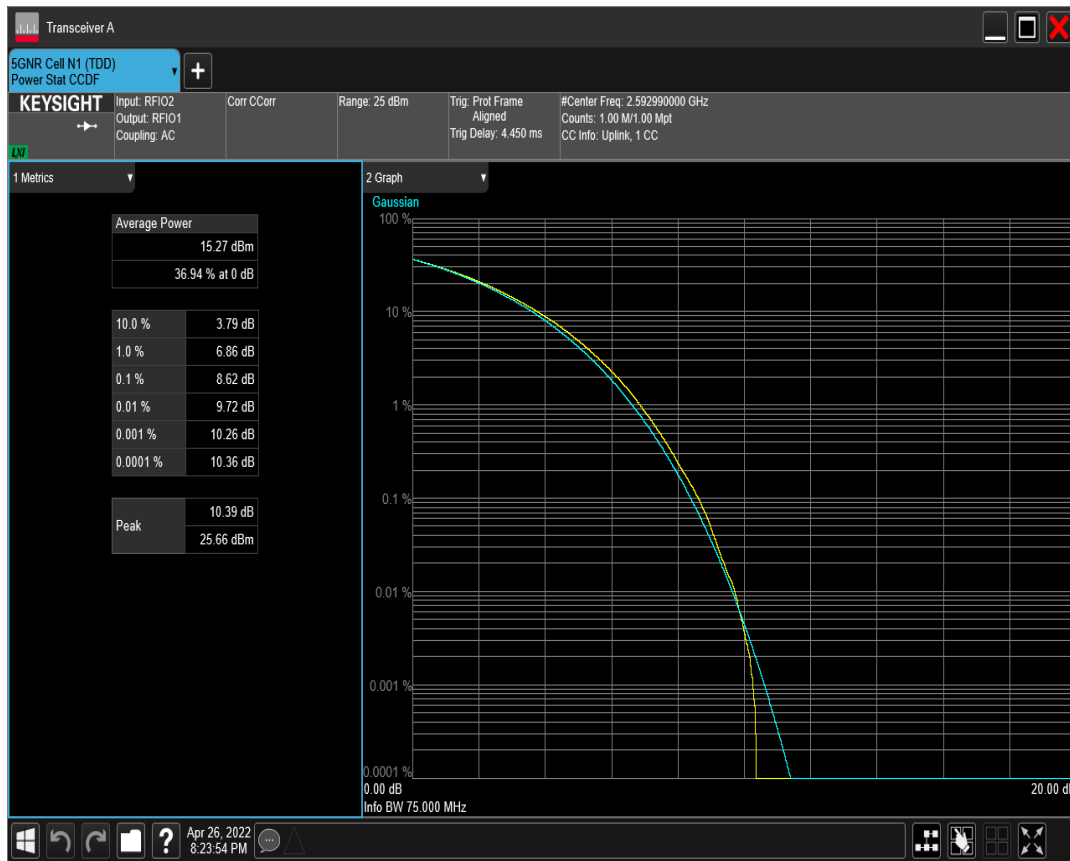
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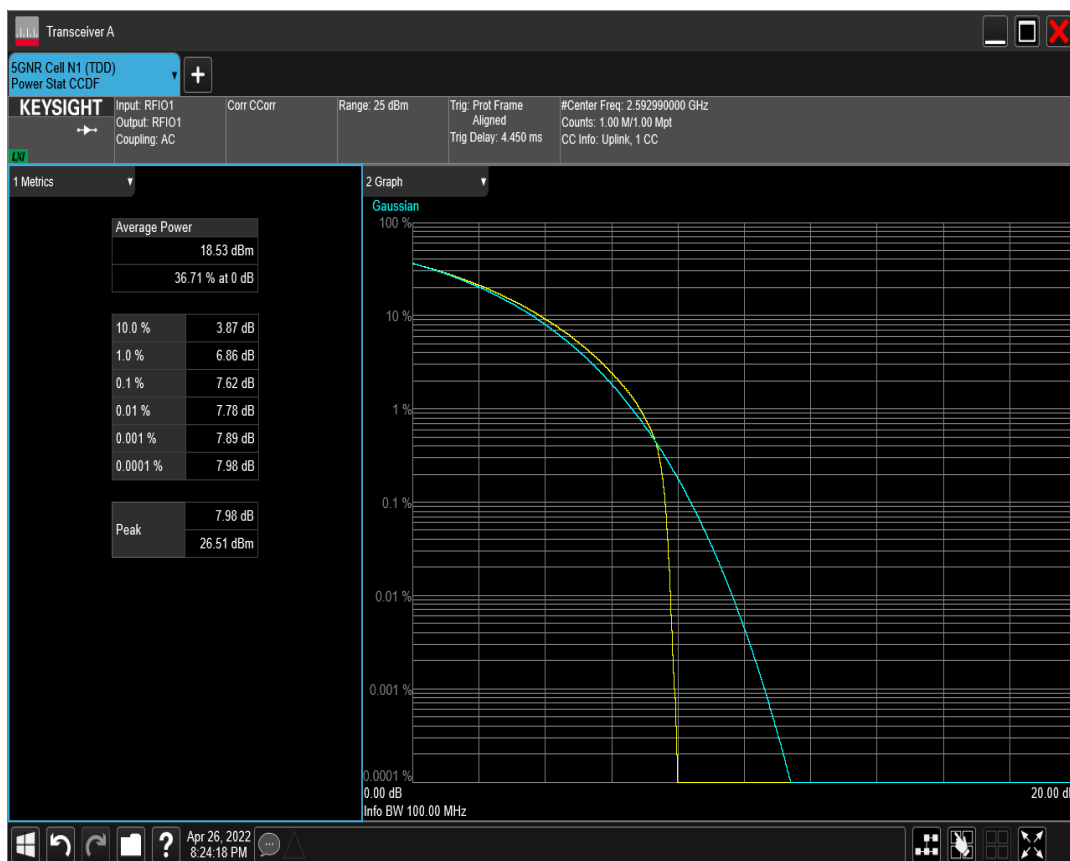
n41 SCS=30kHz CP_QAM256 BW=60MHz Channel=518598 RB=162@0 ant1



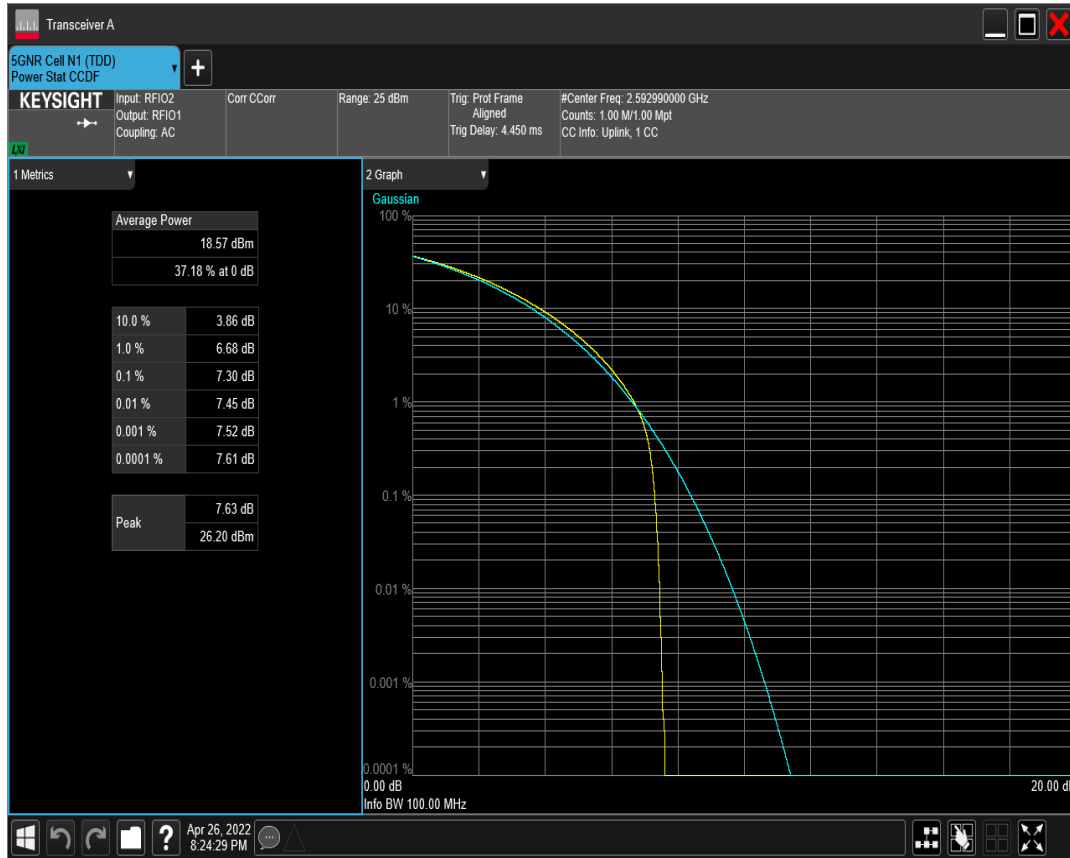
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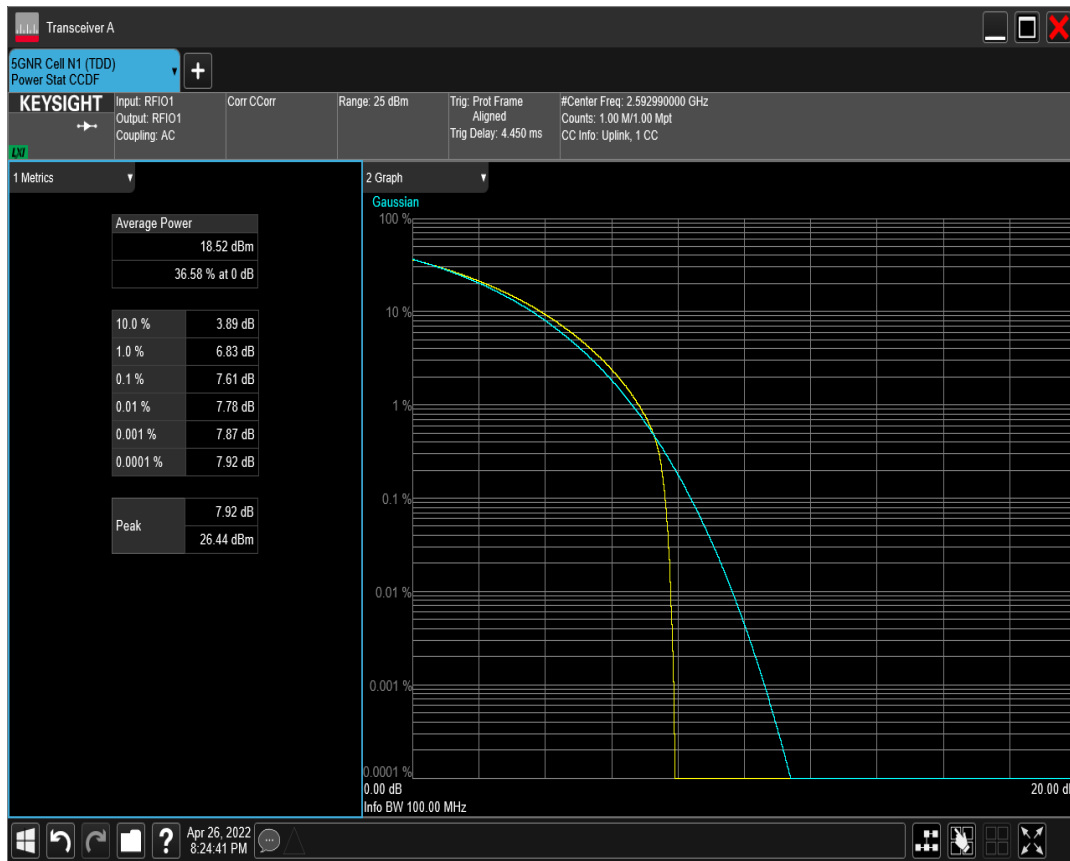
n41 SCS=30kHz CP_QPSK BW=80MHz Channel=518598 RB=217@0 ant1



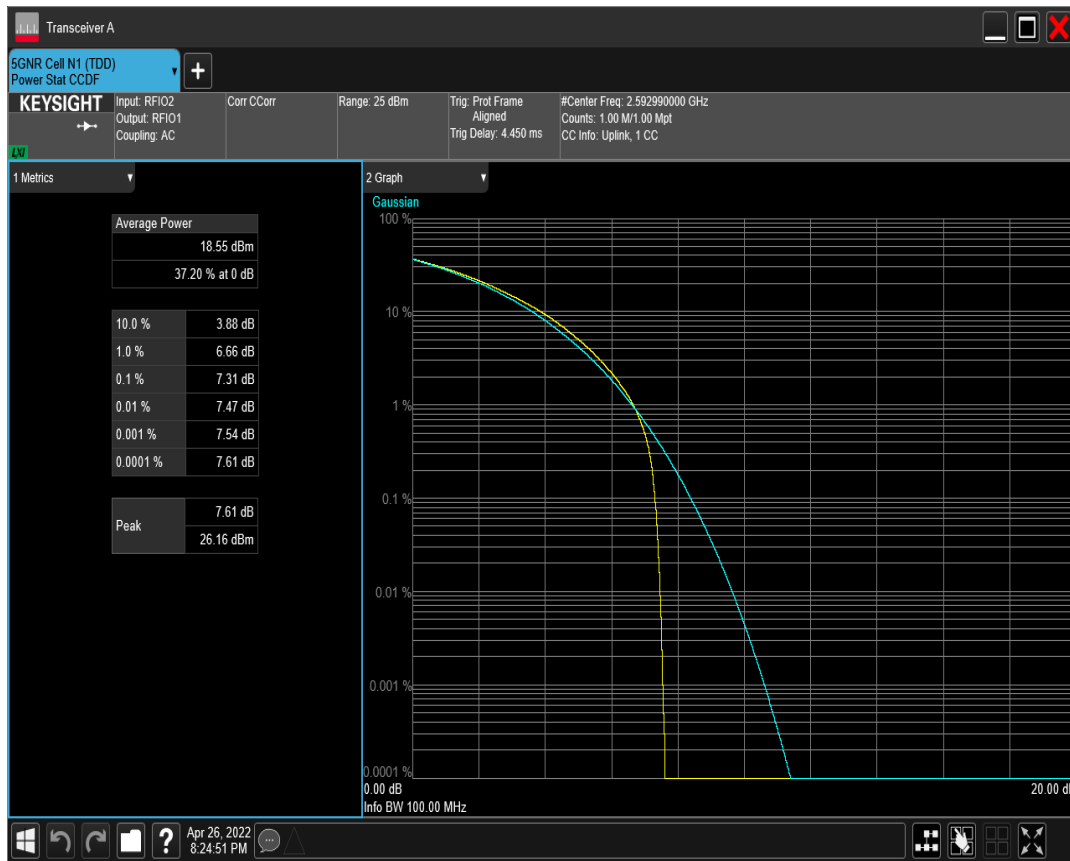
n41 SCS=30kHz CP_QPSK BW=80MHz Channel=518598 RB=217@0 ant2



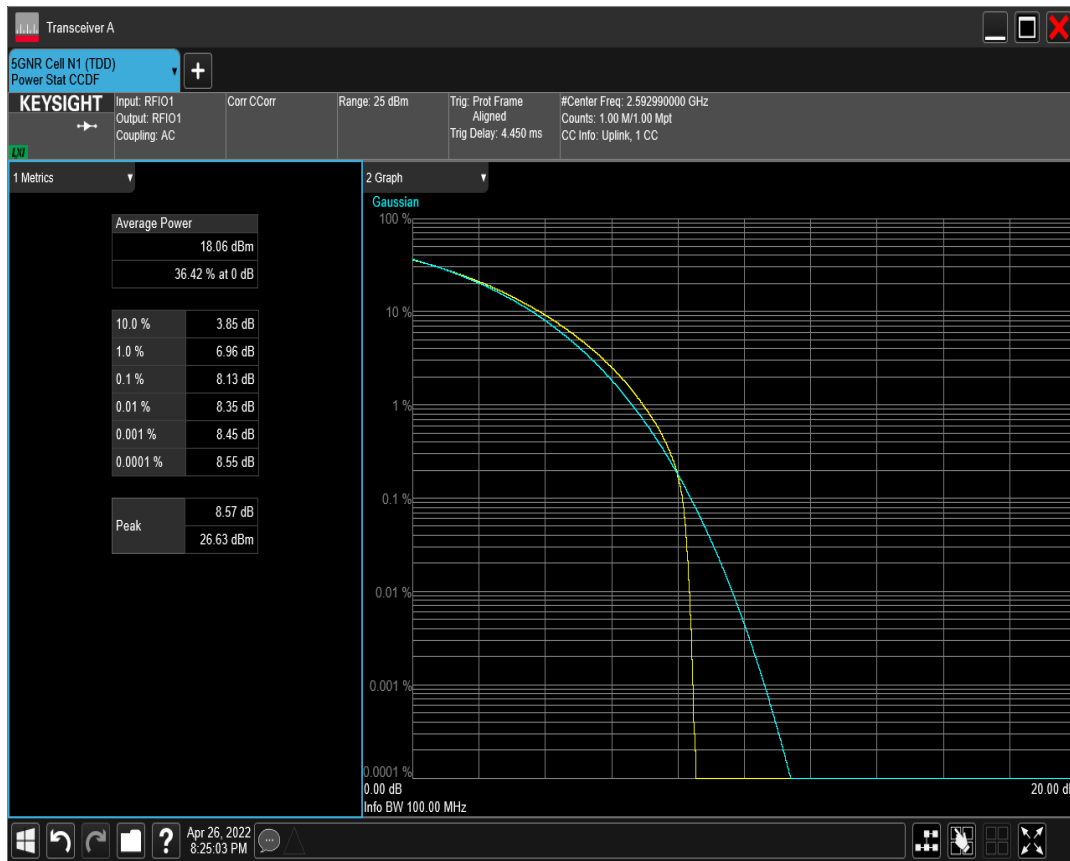
n41 SCS=30kHz CP_QAM16 BW=80MHz Channel=518598 RB=217@0 ant1



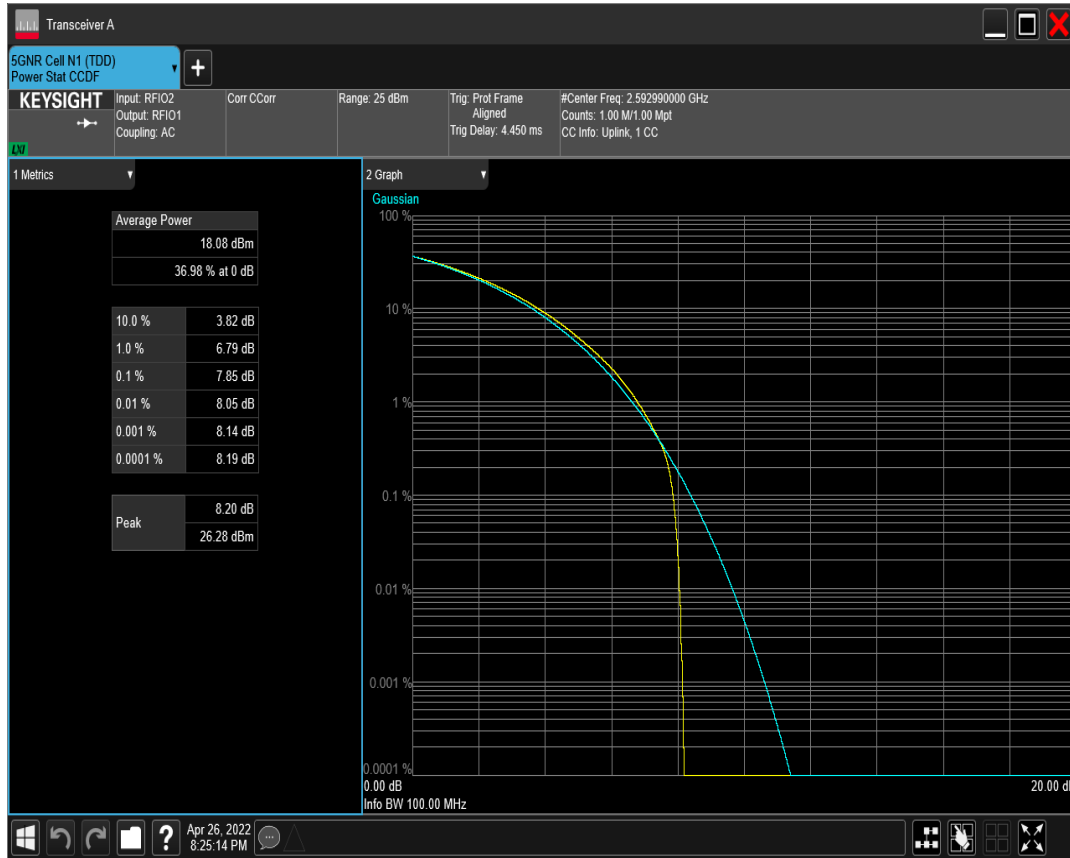
n41 SCS=30kHz CP_QAM16 BW=80MHz Channel=518598 RB=217@0 ant2



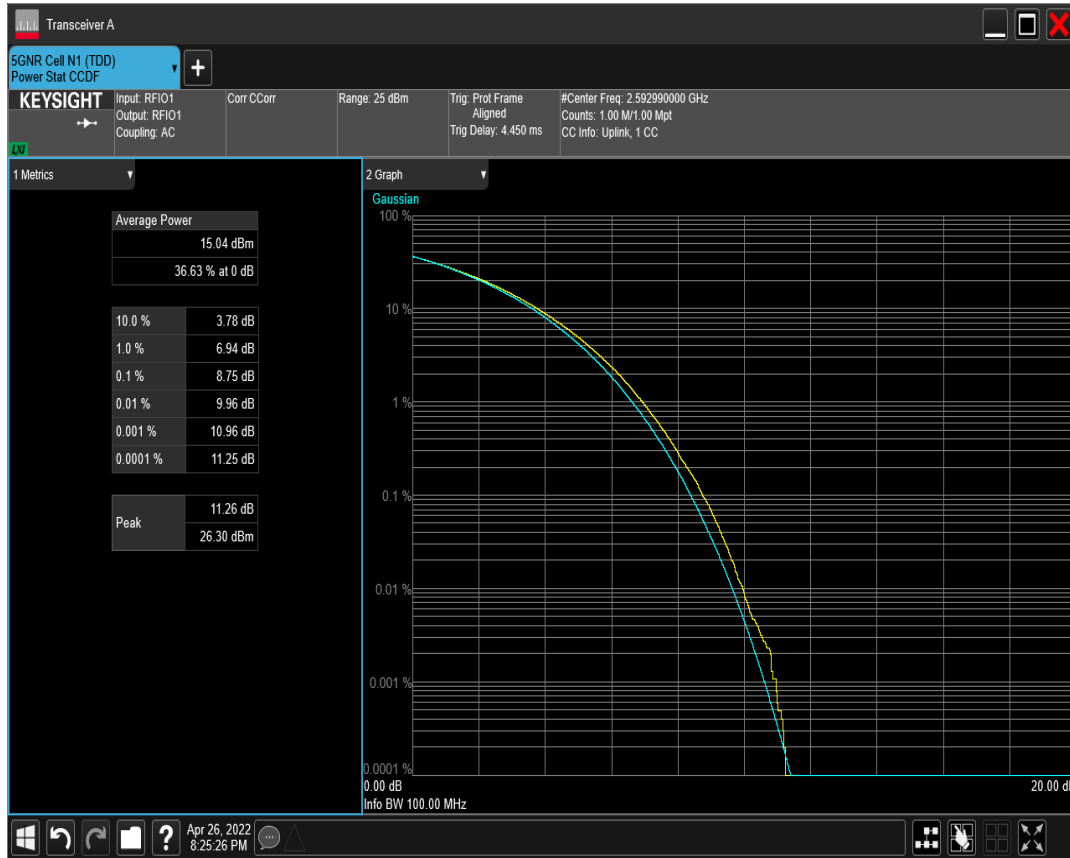
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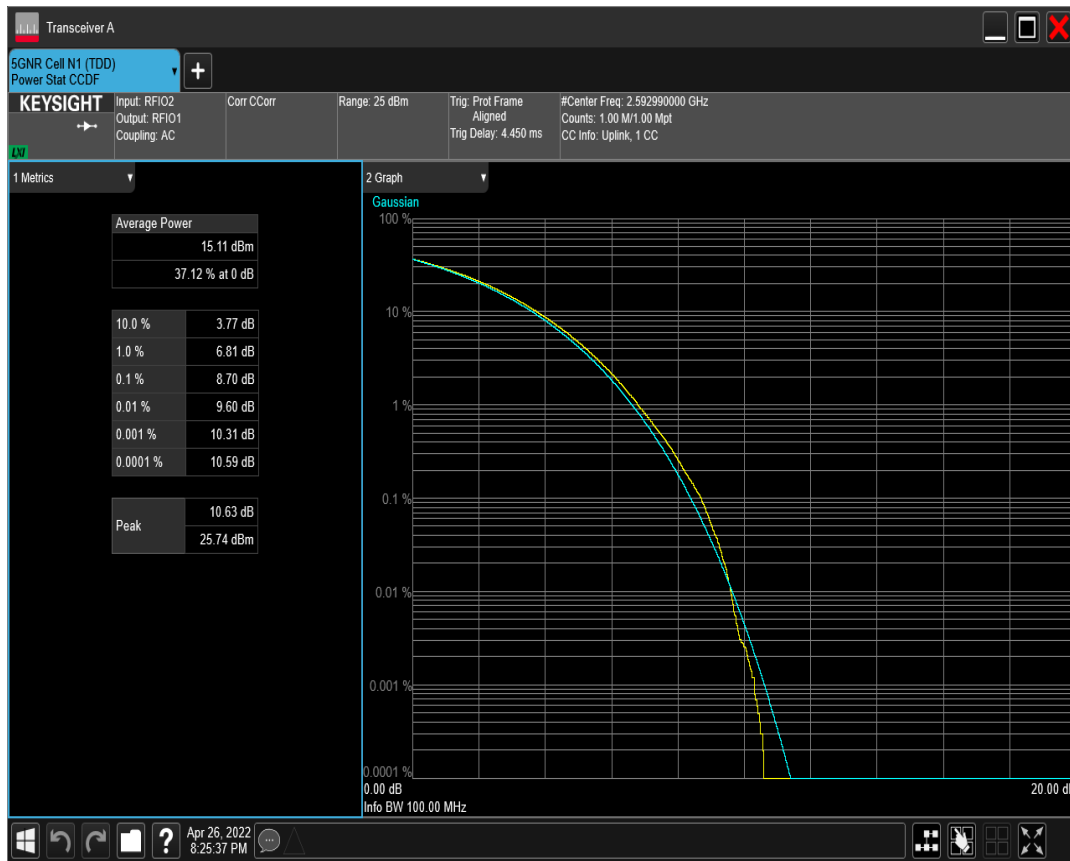
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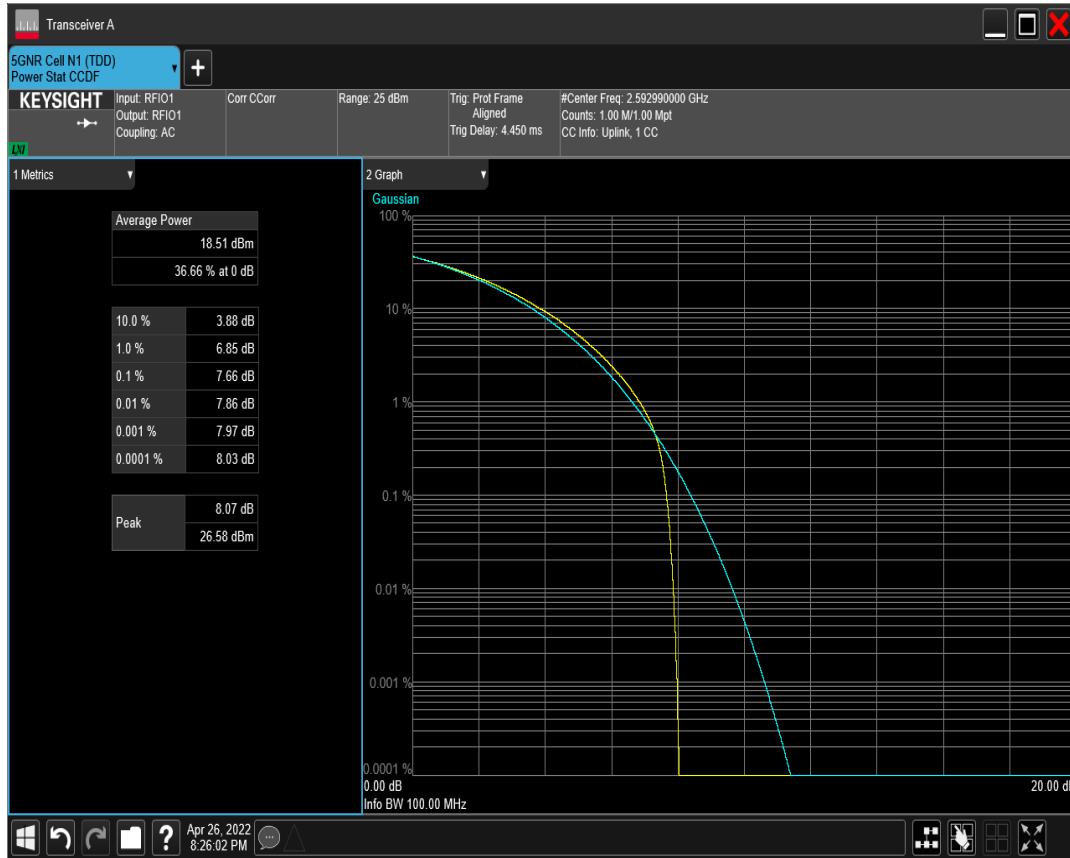
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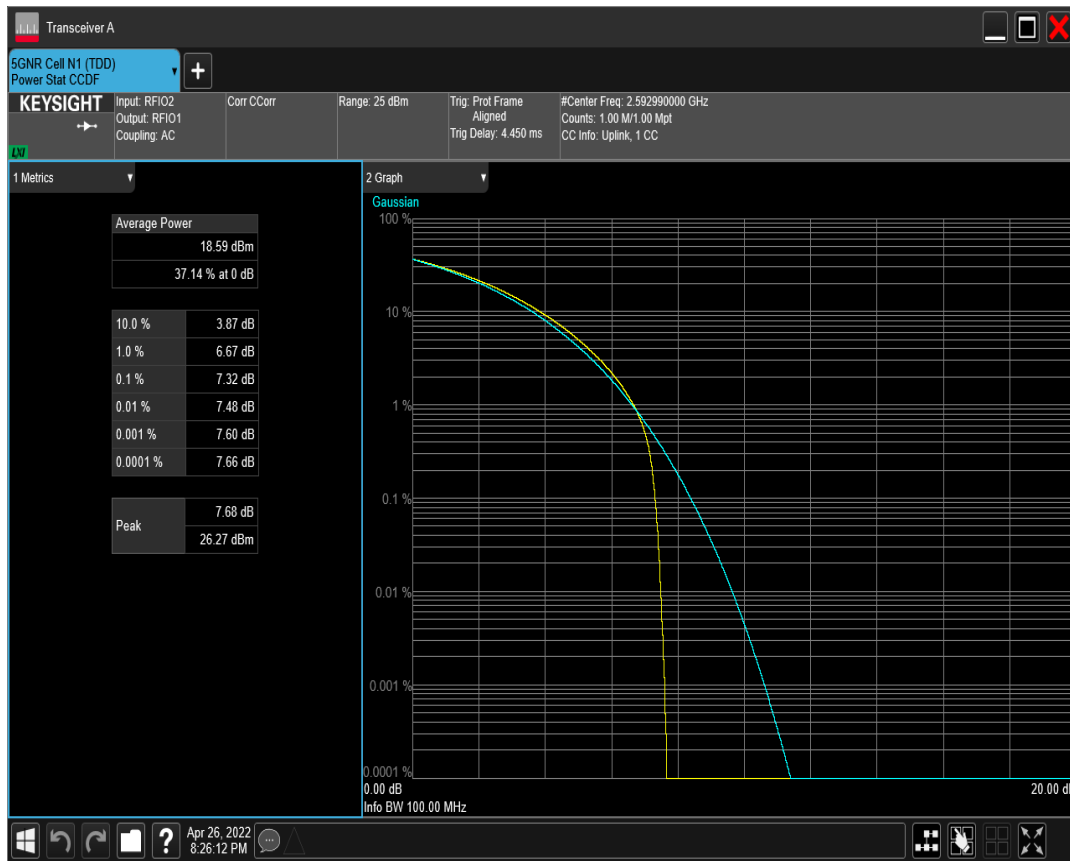
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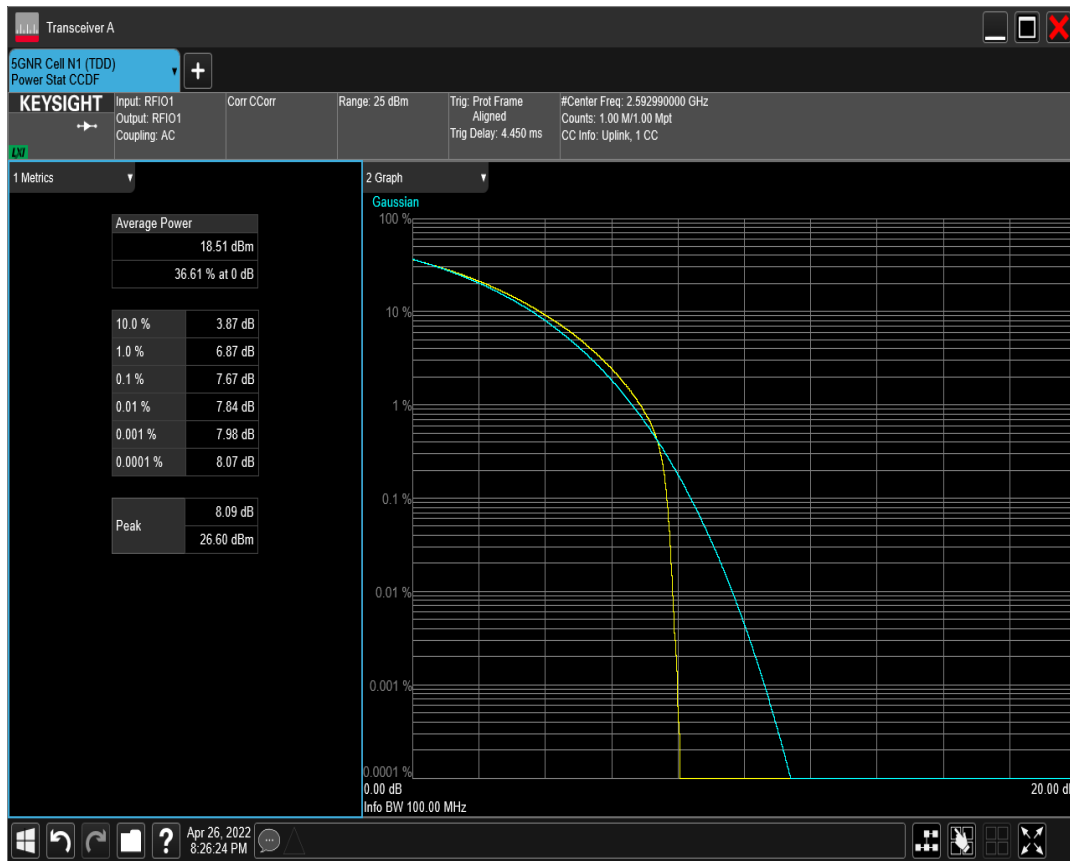
n41 SCS=30kHz CP_QPSK BW=90MHz Channel=518598 RB=245@0 ant1



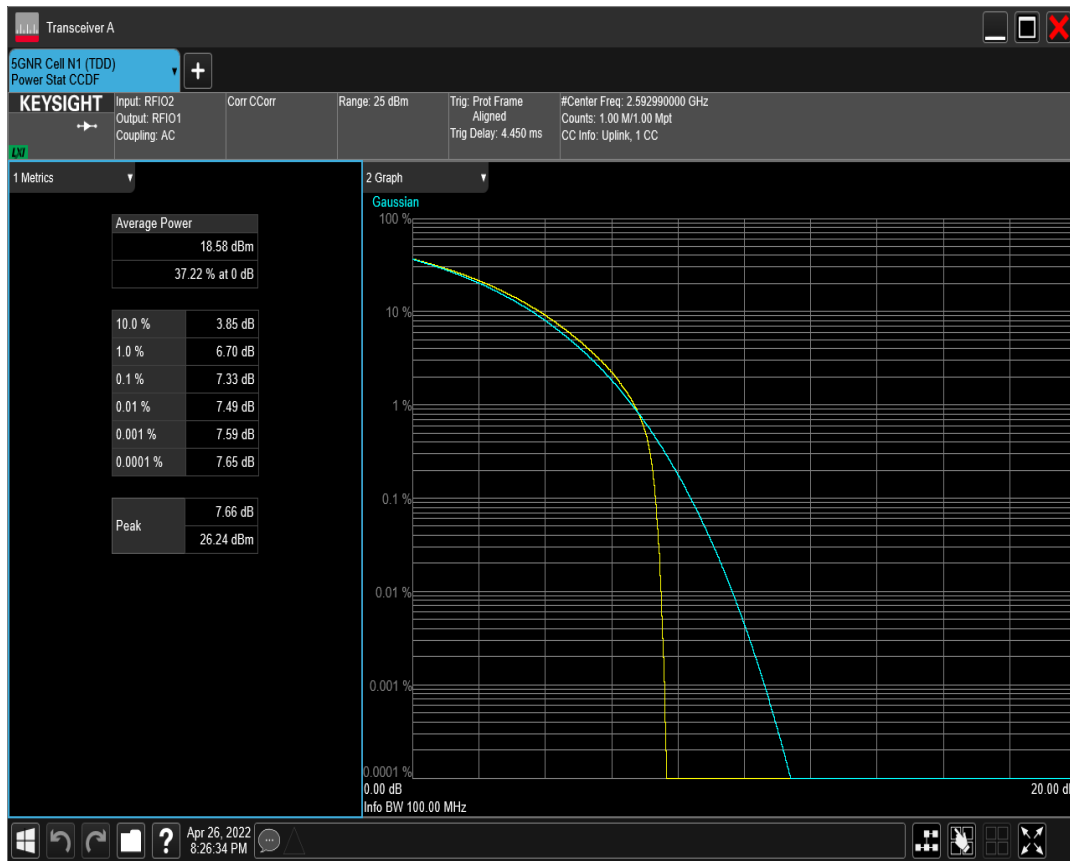
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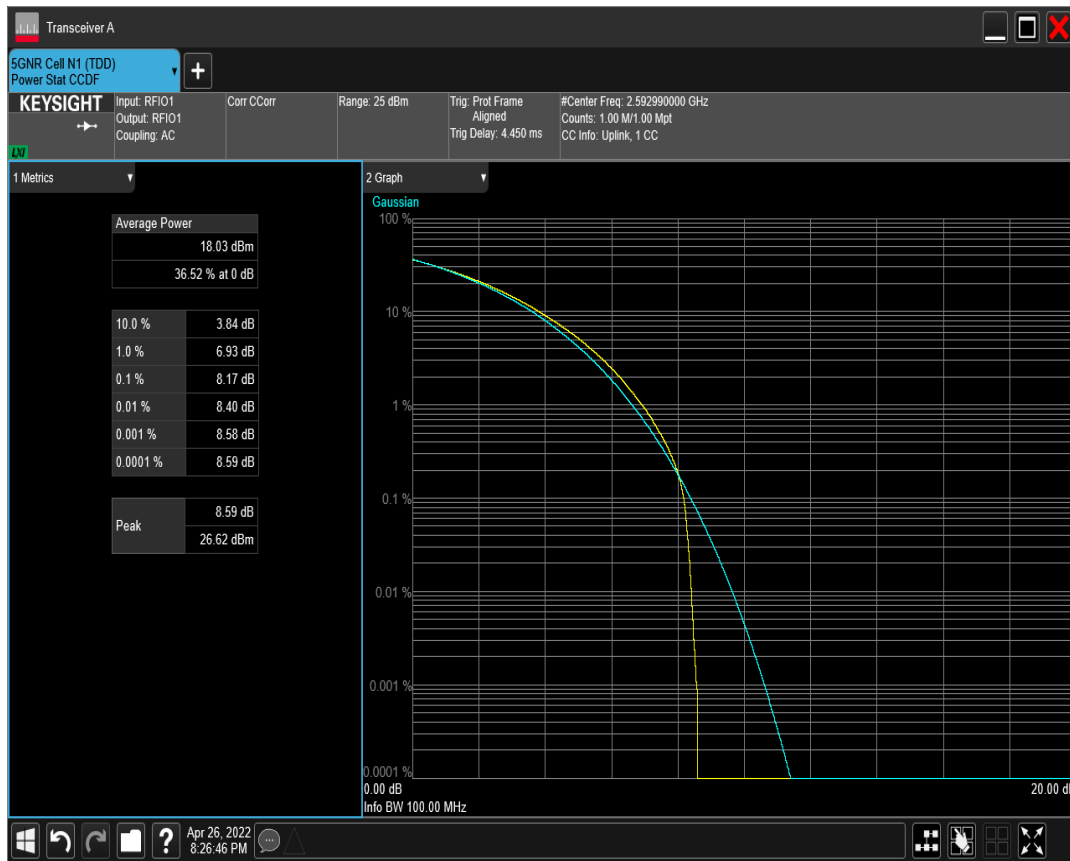
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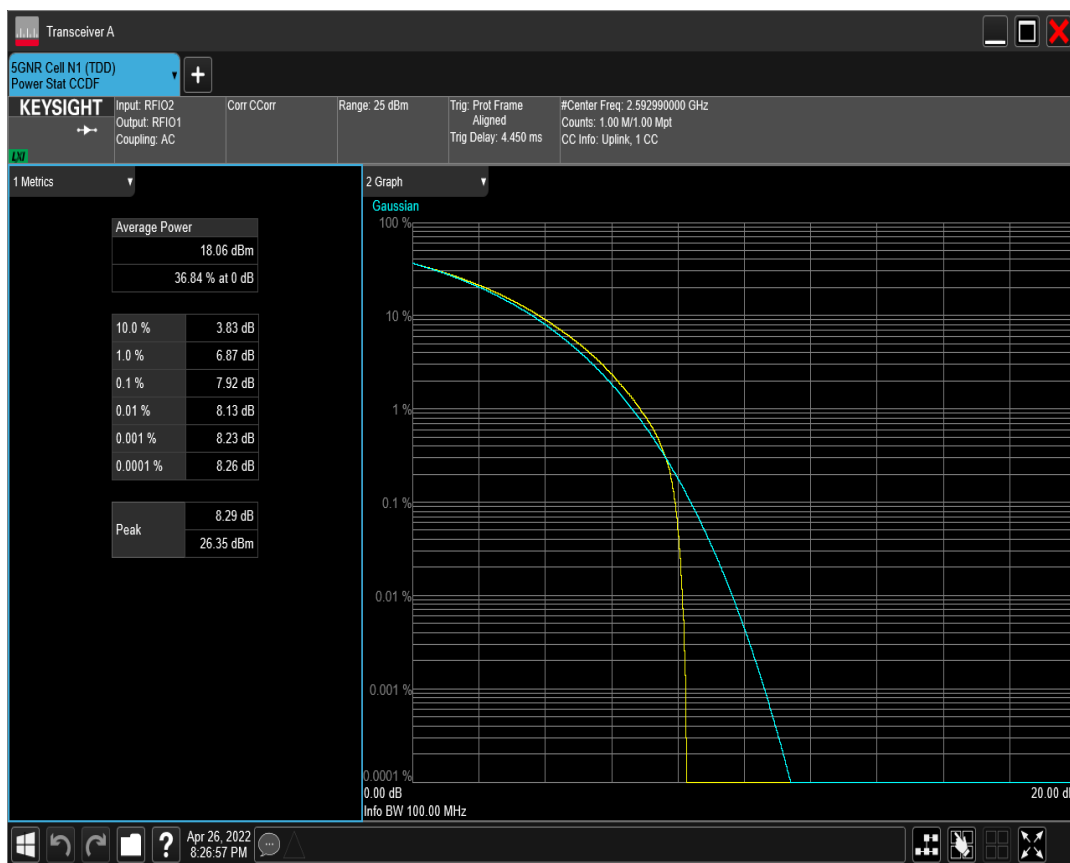
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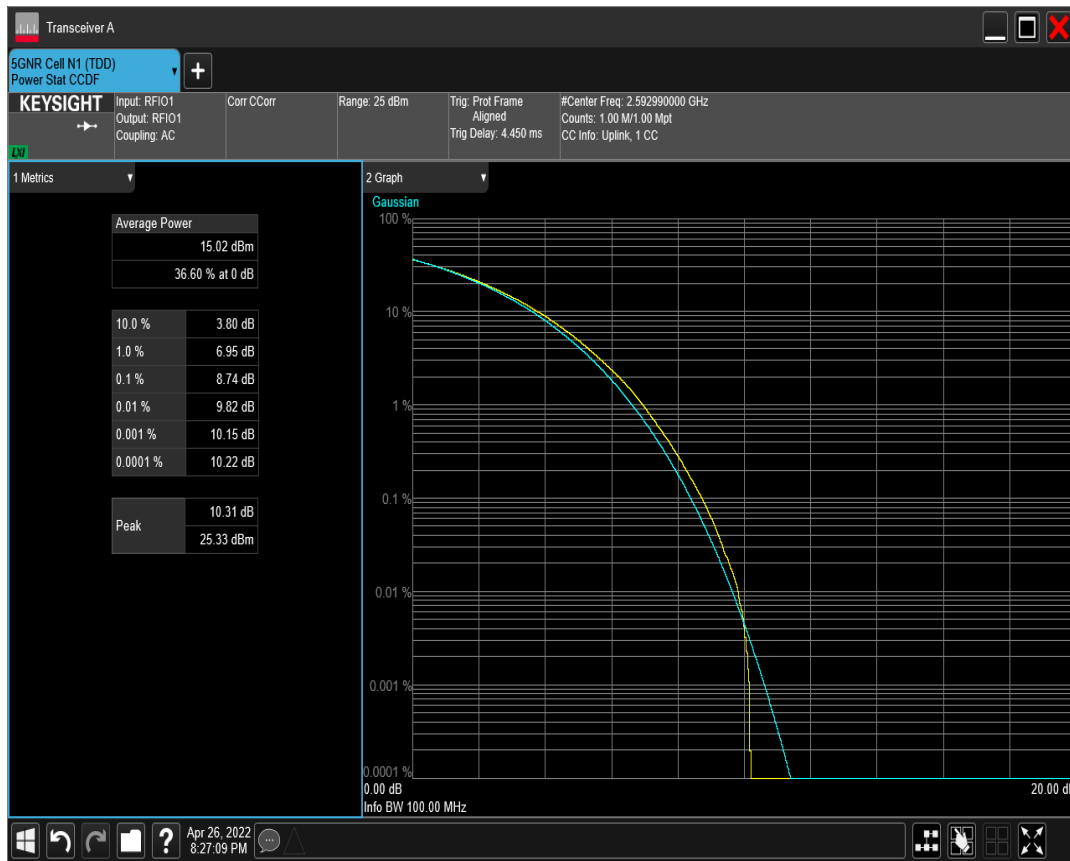
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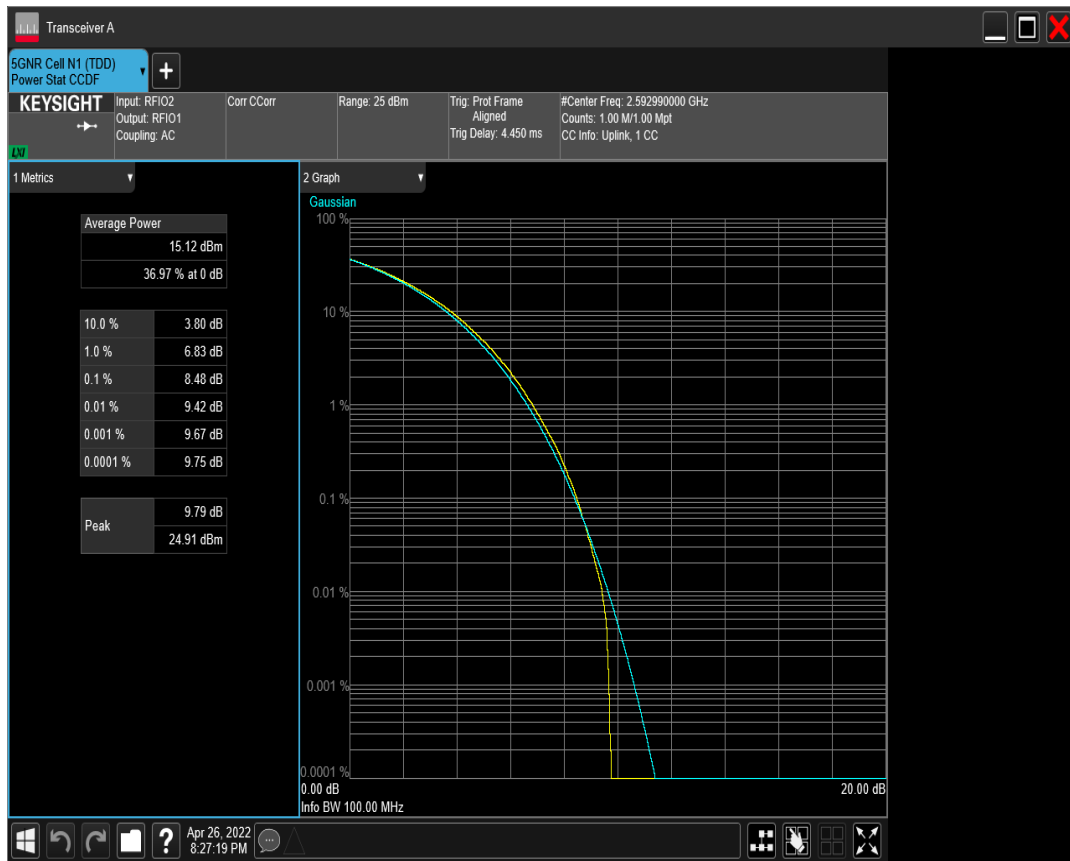
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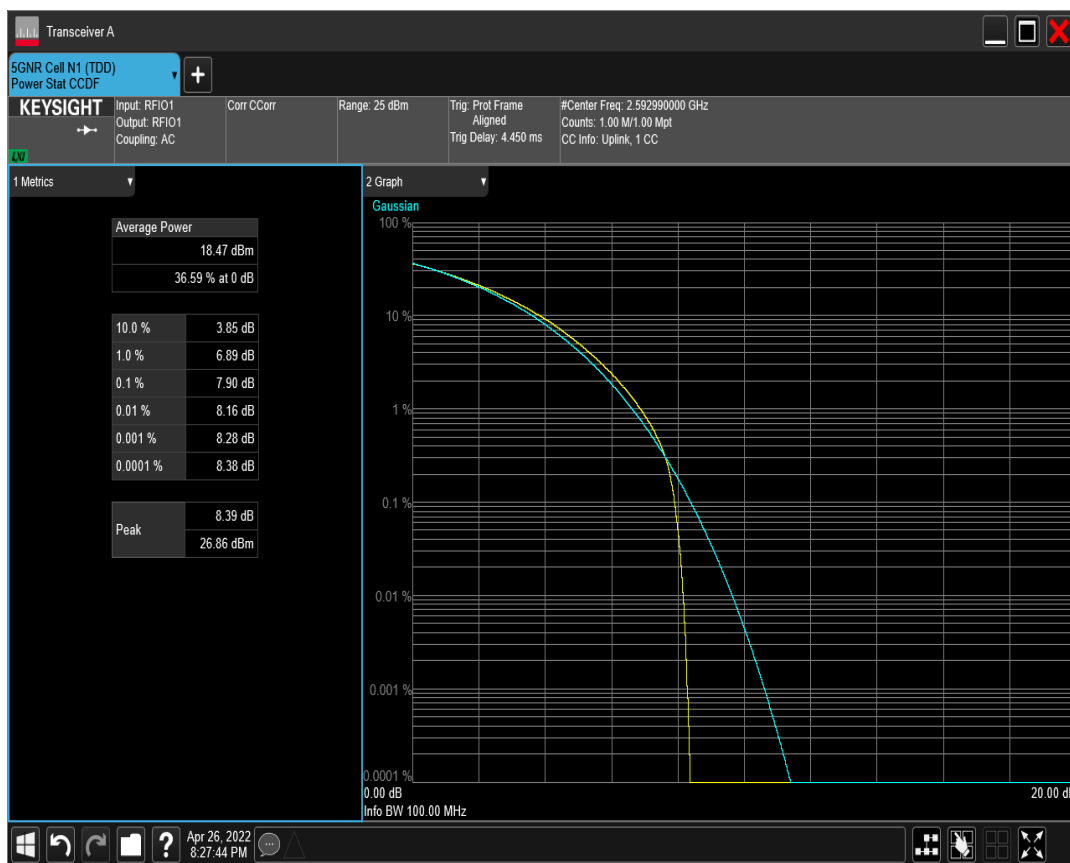
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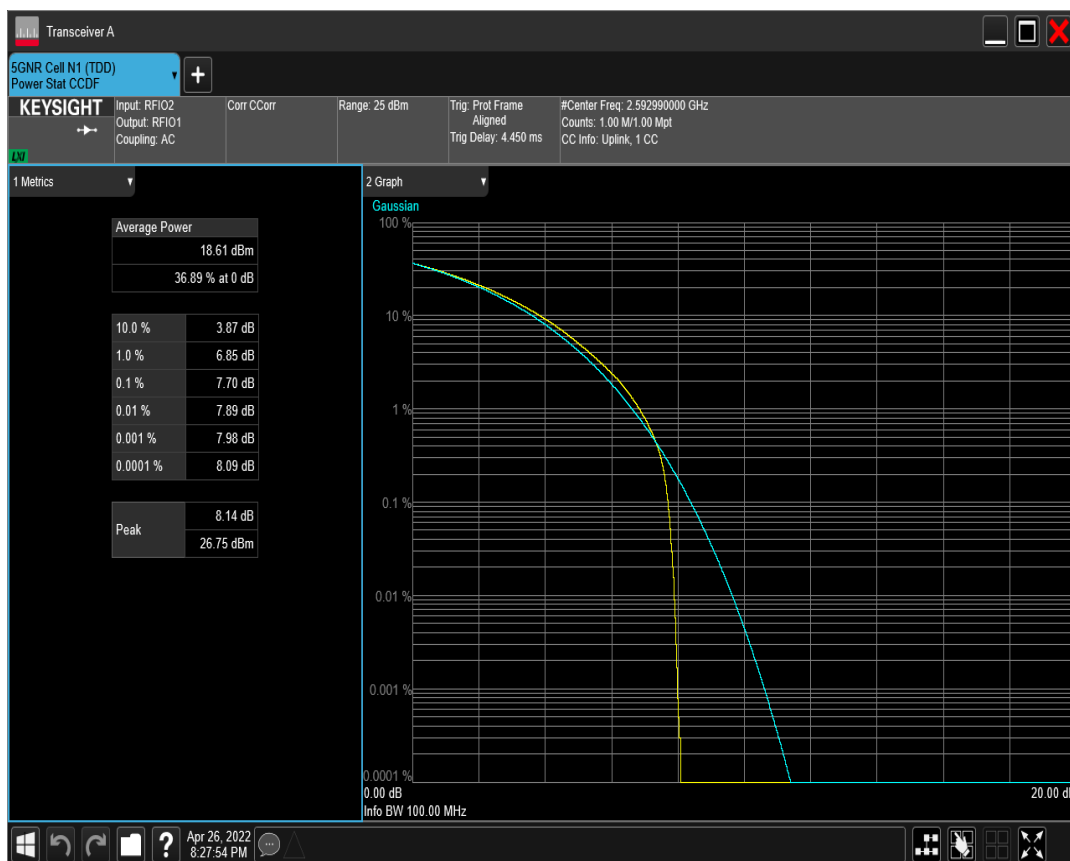
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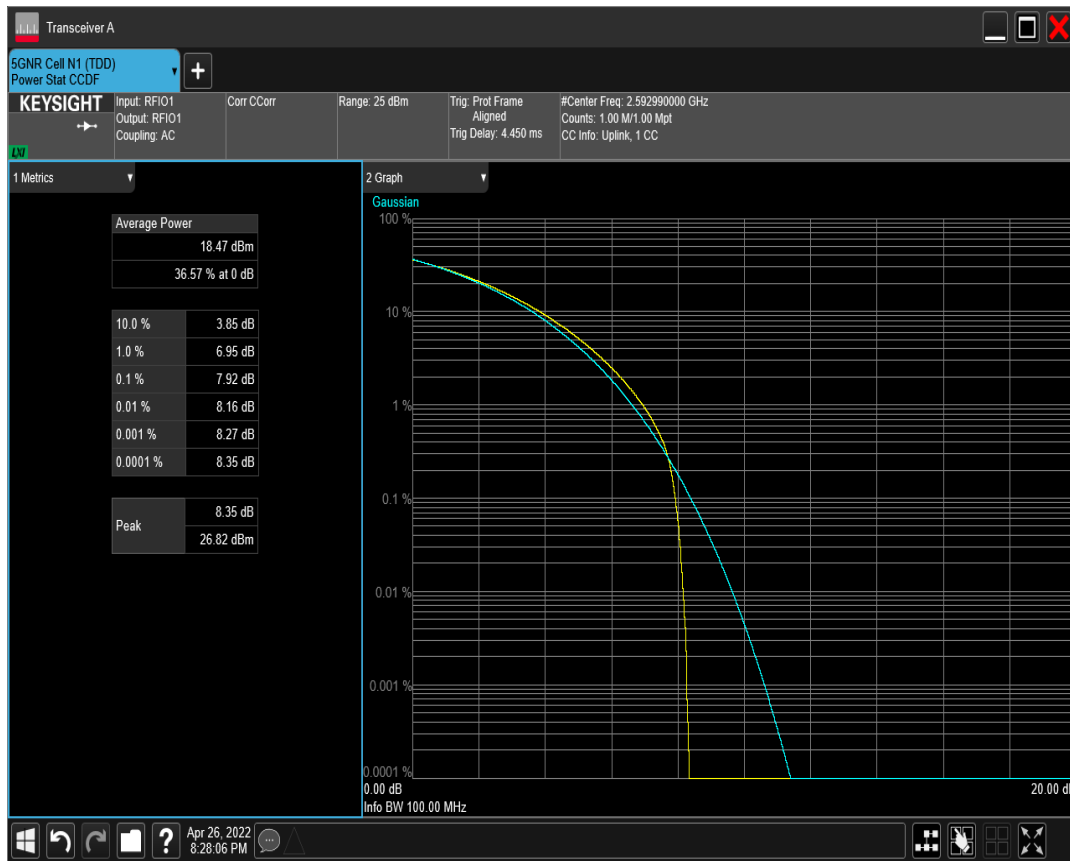
n41 SCS=30kHz CP_QPSK BW=100MHz Channel=518598 RB=273@0 ant1



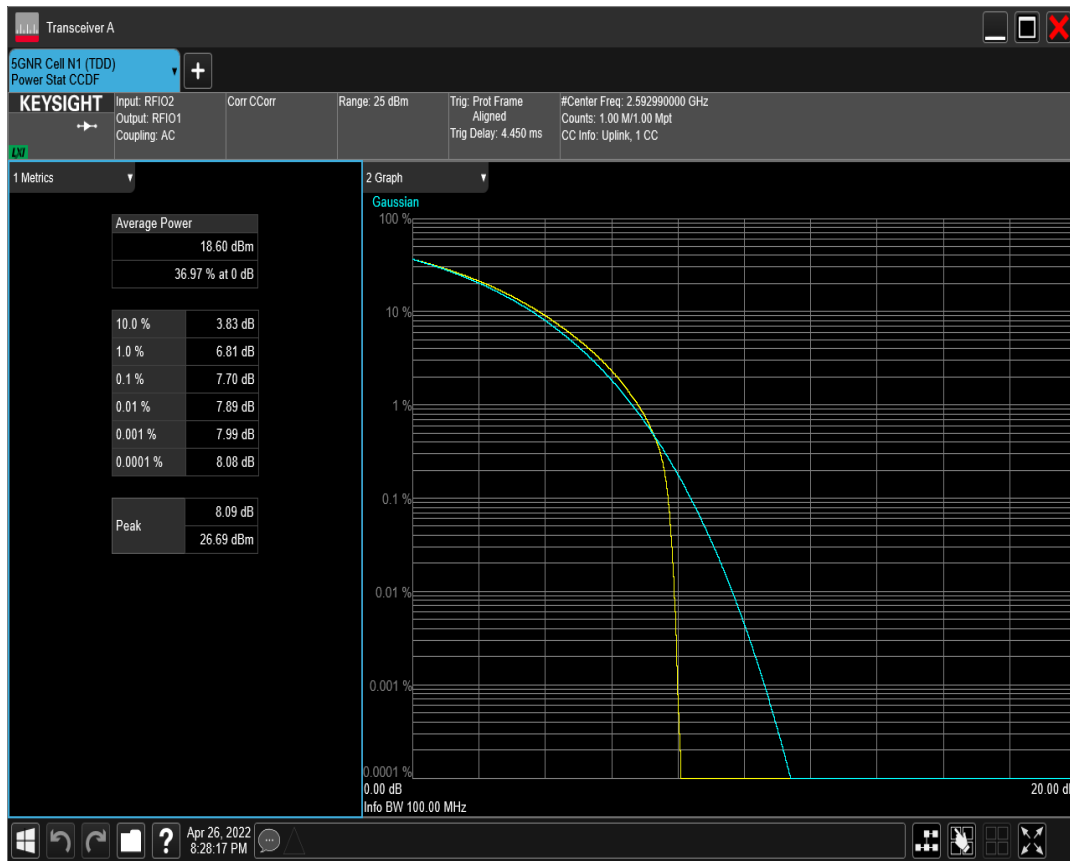
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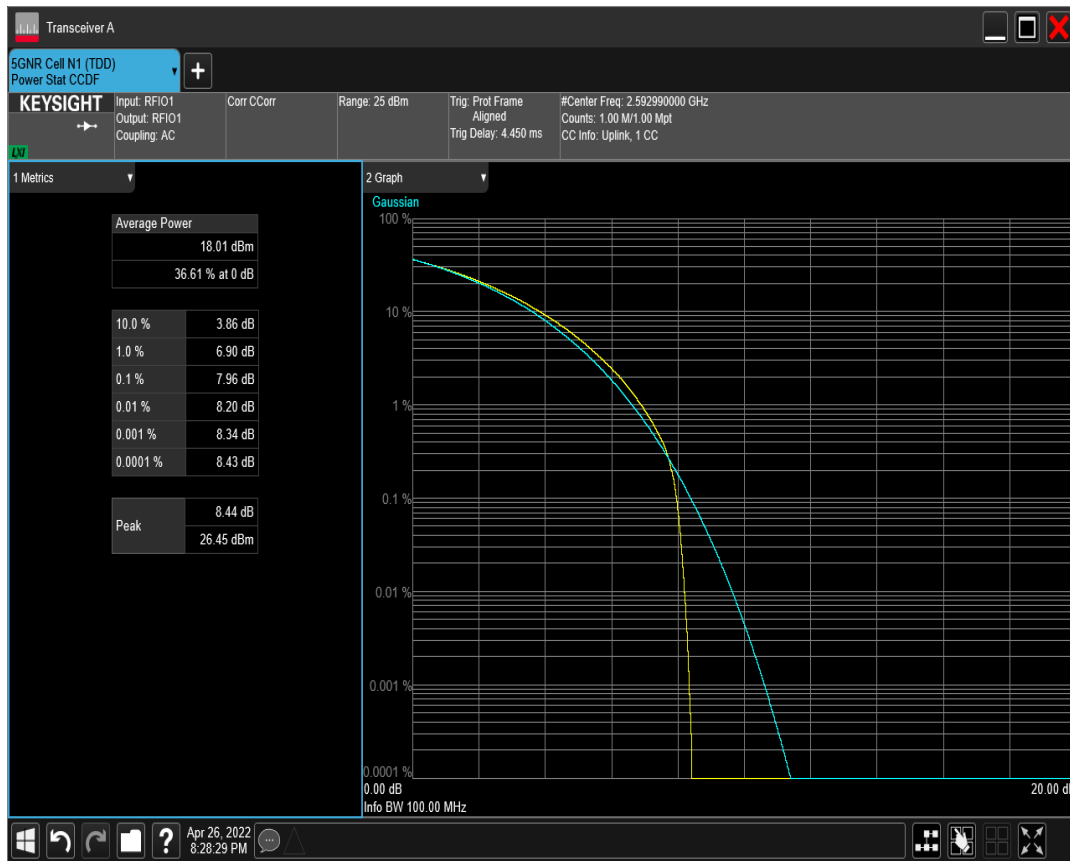
n41 SCS=30kHz CP_QAM16 BW=100MHz Channel=518598 RB=273@0 ant1



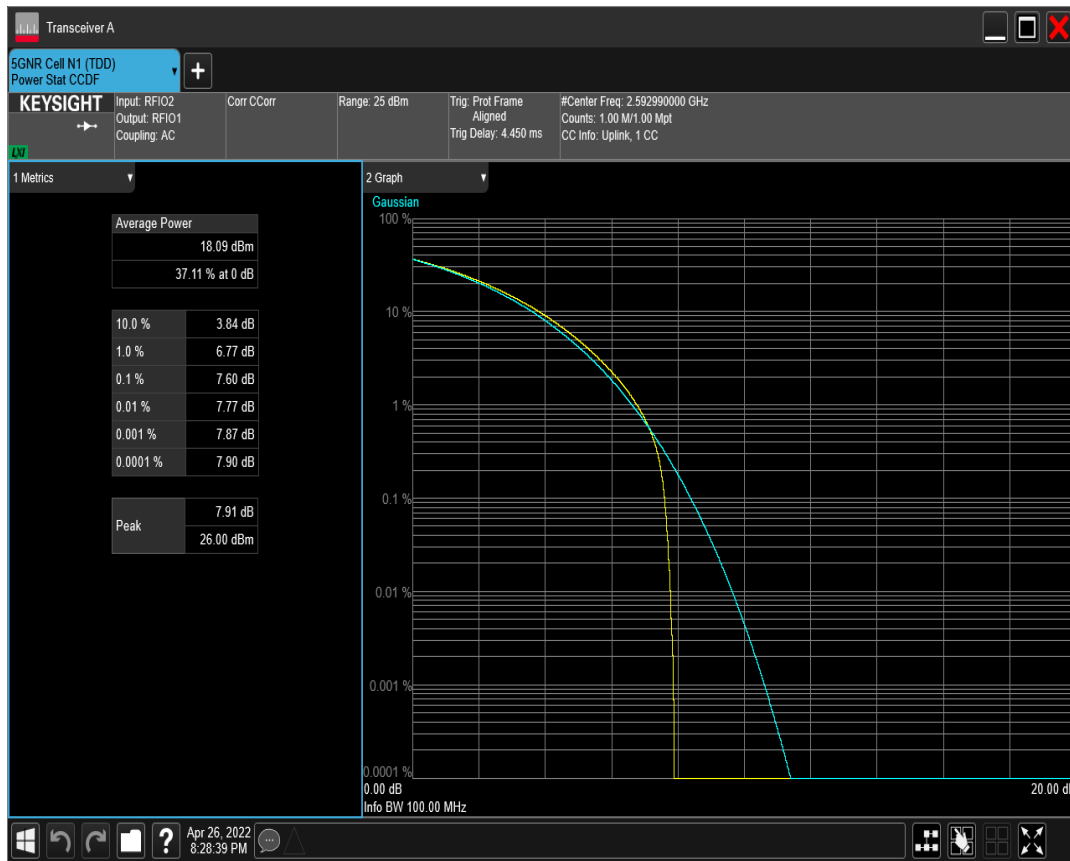
n41 SCS=30kHz CP_QAM16 BW=100MHz Channel=518598 RB=273@0 ant2



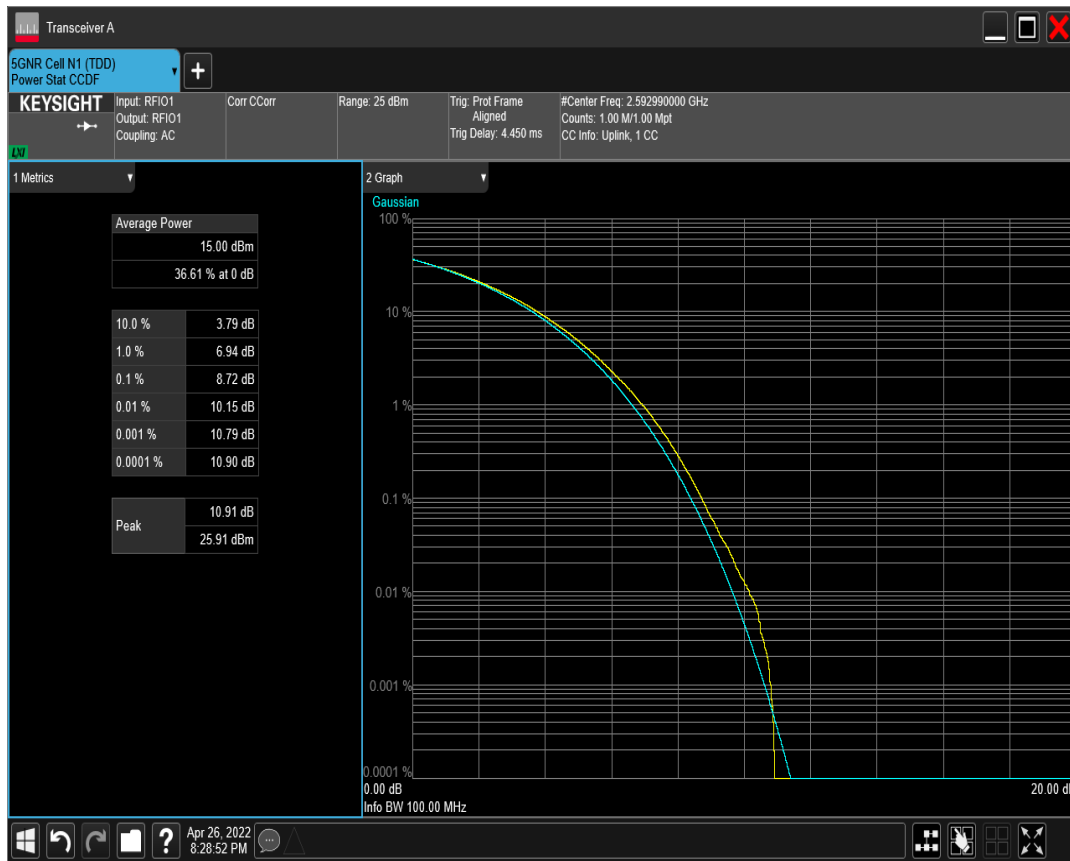
n41 SCS=30kHz CP_QAM64 BW=100MHz Channel=518598 RB=273@0 ant1



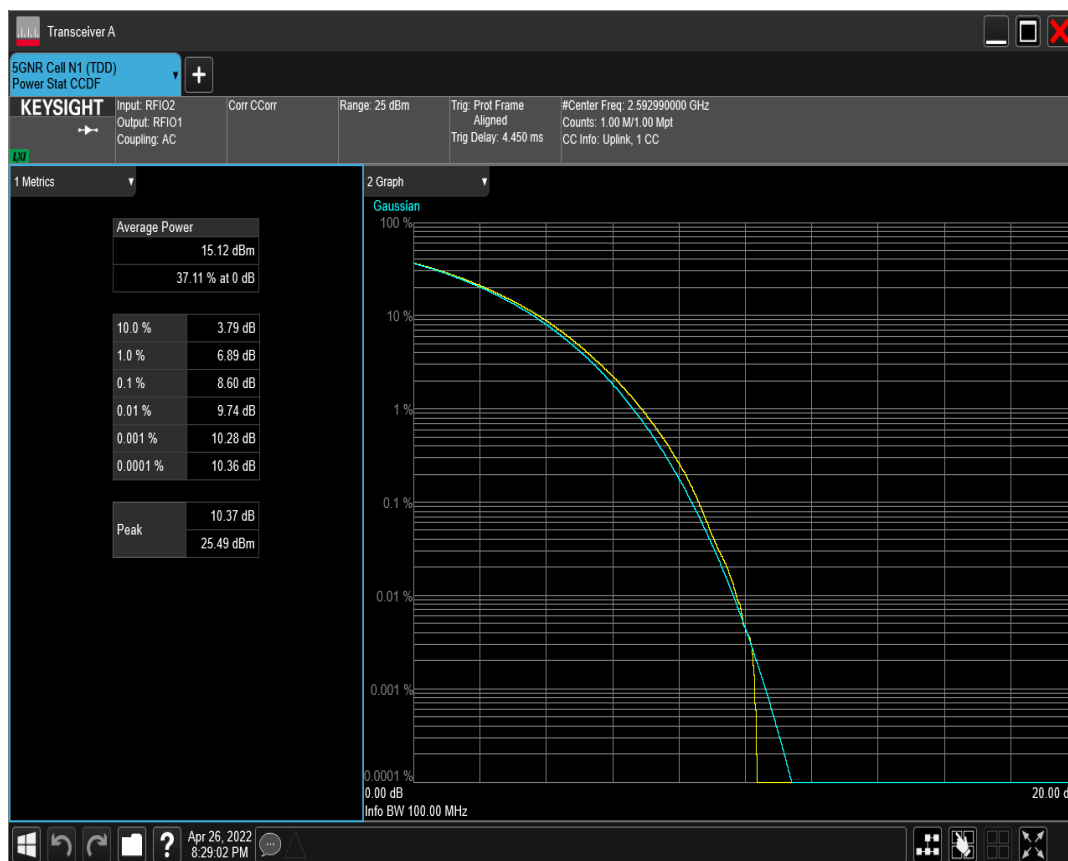
n41 SCS=30kHz CP_QAM64 BW=100MHz Channel=518598 RB=273@0 ant2



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	19.440	PASS
n41	ant2	30	20	501204	51@0	CP_QPSK	18.320	19.370	PASS
n41	ant1	30	20	501204	51@0	CP_QAM16	18.270	19.430	PASS
n41	ant2	30	20	501204	51@0	CP_QAM16	18.270	19.330	PASS
n41	ant1	30	20	501204	51@0	CP_QAM64	18.320	19.360	PASS
n41	ant2	30	20	501204	51@0	CP_QAM64	18.320	19.310	PASS
n41	ant1	30	20	501204	51@0	CP_QAM256	18.320	19.370	PASS
n41	ant2	30	20	501204	51@0	CP_QAM256	18.340	19.370	PASS
n41	ant1	30	20	518598	51@0	CP_QPSK	18.320	19.430	PASS
n41	ant2	30	20	518598	51@0	CP_QPSK	18.280	19.370	PASS
n41	ant1	30	20	518598	51@0	CP_QAM16	18.270	19.370	PASS
n41	ant2	30	20	518598	51@0	CP_QAM16	18.270	19.370	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	19.340	PASS
n41	ant1	30	20	518598	51@0	CP_QAM256	18.330	19.380	PASS
n41	ant2	30	20	518598	51@0	CP_QAM256	18.330	19.360	PASS
n41	ant1	30	20	535998	51@0	CP_QPSK	18.280	19.330	PASS
n41	ant2	30	20	535998	51@0	CP_QPSK	18.330	19.410	PASS

n41	ant1	30	20	535998	51@0	CP_QAM16	18.270	19.300	PASS
n41	ant2	30	20	535998	51@0	CP_QAM16	18.320	19.400	PASS
n41	ant1	30	20	535998	51@0	CP_QAM64	18.330	19.380	PASS
n41	ant2	30	20	535998	51@0	CP_QAM64	18.330	19.360	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	19.360	PASS
n41	ant1	30	30	502200	78@0	CP_QPSK	27.990	29.530	PASS
n41	ant2	30	30	502200	78@0	CP_QPSK	27.980	29.550	PASS
n41	ant1	30	30	502200	78@0	CP_QAM16	27.980	29.580	PASS
n41	ant2	30	30	502200	78@0	CP_QAM16	27.980	29.540	PASS
n41	ant1	30	30	502200	78@0	CP_QAM64	28.010	29.600	PASS
n41	ant2	30	30	502200	78@0	CP_QAM64	27.990	29.550	PASS
n41	ant1	30	30	502200	78@0	CP_QAM256	27.990	29.550	PASS
n41	ant2	30	30	502200	78@0	CP_QAM256	28.000	29.510	PASS
n41	ant1	30	30	518598	78@0	CP_QPSK	27.990	29.540	PASS
n41	ant2	30	30	518598	78@0	CP_QPSK	27.980	29.570	PASS
n41	ant1	30	30	518598	78@0	CP_QAM16	27.990	29.550	PASS
n41	ant2	30	30	518598	78@0	CP_QAM16	27.980	29.550	PASS
n41	ant1	30	30	518598	78@0	CP_QAM64	28.010	29.590	PASS
n41	ant2	30	30	518598	78@0	CP_QAM64	27.980	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	27.990	29.540	PASS
n41	ant1	30	30	534996	78@0	CP_QPSK	27.990	29.530	PASS
n41	ant2	30	30	534996	78@0	CP_QPSK	27.990	29.530	PASS
n41	ant1	30	30	534996	78@0	CP_QAM16	27.980	29.520	PASS
n41	ant2	30	30	534996	78@0	CP_QAM16	27.990	29.530	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	29.540	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	29.550	PASS
n41	ant1	30	40	503202	106@0	CP_QPSK	37.990	40.060	PASS
n41	ant2	30	40	503202	106@0	CP_QPSK	37.980	40.030	PASS
n41	ant1	30	40	503202	106@0	CP_QAM16	37.980	40.020	PASS
n41	ant2	30	40	503202	106@0	CP_QAM16	37.980	40.040	PASS
n41	ant1	30	40	503202	106@0	CP_QAM64	37.990	40.060	PASS
n41	ant2	30	40	503202	106@0	CP_QAM64	37.980	40.020	PASS
n41	ant1	30	40	503202	106@0	CP_QAM256	37.990	40.050	PASS
n41	ant2	30	40	503202	106@0	CP_QAM256	37.980	40.030	PASS
n41	ant1	30	40	518598	106@0	CP_QPSK	38.000	40.080	PASS
n41	ant2	30	40	518598	106@0	CP_QPSK	37.980	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	37.980	40.070	PASS

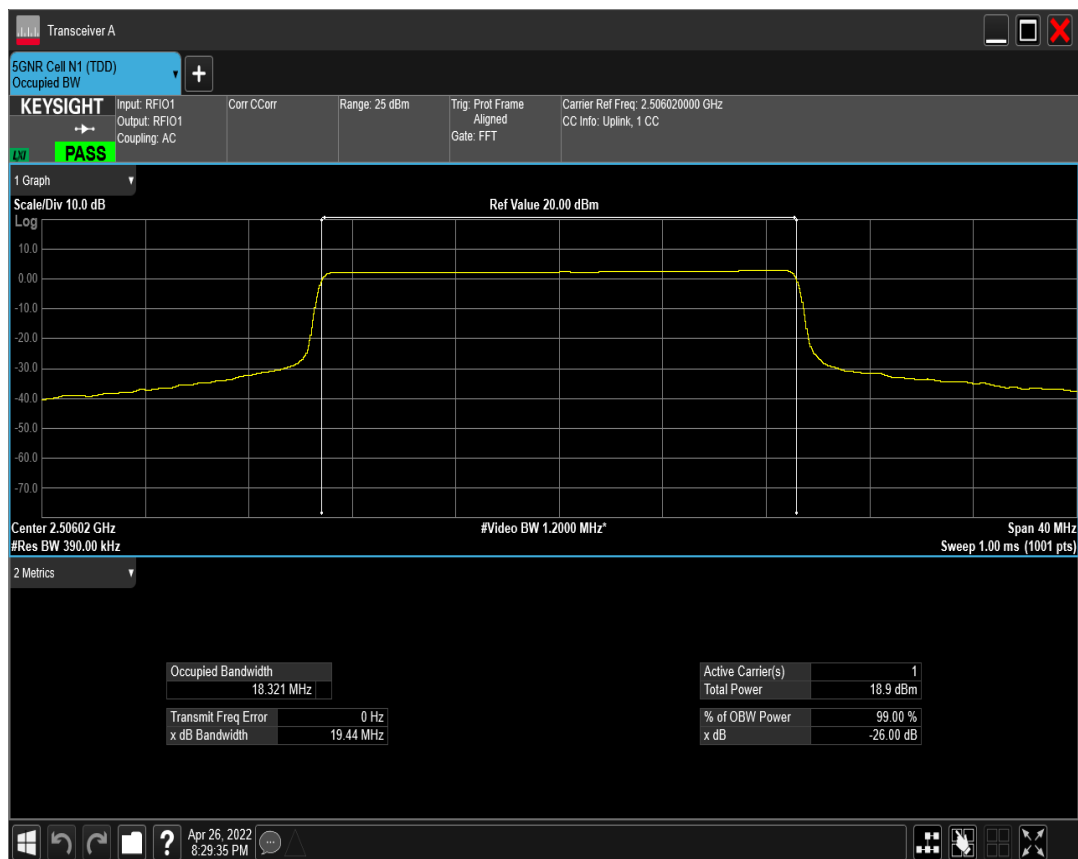
n41	ant1	30	40	518598	106@0	CP_QAM64	38.090	40.090	PASS
n41	ant2	30	40	518598	106@0	CP_QAM64	37.980	40.090	PASS
n41	ant1	30	40	518598	106@0	CP_QAM256	38.000	40.080	PASS
n41	ant2	30	40	518598	106@0	CP_QAM256	37.980	40.060	PASS
n41	ant1	30	40	534000	106@0	CP_QPSK	37.990	40.040	PASS
n41	ant2	30	40	534000	106@0	CP_QPSK	37.970	40.070	PASS
n41	ant1	30	40	534000	106@0	CP_QAM16	37.990	40.020	PASS
n41	ant2	30	40	534000	106@0	CP_QAM16	37.980	40.070	PASS
n41	ant1	30	40	534000	106@0	CP_QAM64	38.000	40.040	PASS
n41	ant2	30	40	534000	106@0	CP_QAM64	37.980	40.080	PASS
n41	ant1	30	40	534000	106@0	CP_QAM256	37.990	40.040	PASS
n41	ant2	30	40	534000	106@0	CP_QAM256	37.970	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	47.640	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	50.180	PASS
n41	ant1	30	50	504204	133@0	CP_QAM64	47.670	50.210	PASS
n41	ant2	30	50	504204	133@0	CP_QAM64	47.650	50.200	PASS
n41	ant1	30	50	504204	133@0	CP_QAM256	47.680	50.210	PASS
n41	ant2	30	50	504204	133@0	CP_QAM256	47.640	50.180	PASS
n41	ant1	30	50	518598	133@0	CP_QPSK	47.690	50.220	PASS
n41	ant2	30	50	518598	133@0	CP_QPSK	47.660	50.240	PASS
n41	ant1	30	50	518598	133@0	CP_QAM16	47.680	50.200	PASS
n41	ant2	30	50	518598	133@0	CP_QAM16	47.650	50.220	PASS
n41	ant1	30	50	518598	133@0	CP_QAM64	47.680	50.220	PASS
n41	ant2	30	50	518598	133@0	CP_QAM64	47.670	50.250	PASS
n41	ant1	30	50	518598	133@0	CP_QAM256	47.690	50.240	PASS
n41	ant2	30	50	518598	133@0	CP_QAM256	47.660	50.240	PASS
n41	ant1	30	50	532998	133@0	CP_QPSK	47.670	50.170	PASS
n41	ant2	30	50	532998	133@0	CP_QPSK	47.660	50.240	PASS
n41	ant1	30	50	532998	133@0	CP_QAM16	47.660	50.160	PASS
n41	ant2	30	50	532998	133@0	CP_QAM16	47.650	50.240	PASS
n41	ant1	30	50	532998	133@0	CP_QAM64	47.680	50.210	PASS
n41	ant2	30	50	532998	133@0	CP_QAM64	47.660	50.260	PASS
n41	ant1	30	50	532998	133@0	CP_QAM256	47.680	50.190	PASS
n41	ant2	30	50	532998	133@0	CP_QAM256	47.660	50.240	PASS
n41	ant1	30	60	505200	162@0	CP_QPSK	58.100	61.020	PASS
n41	ant2	30	60	505200	162@0	CP_QPSK	57.940	61.040	PASS
n41	ant1	30	60	505200	162@0	CP_QAM16	58.100	61.010	PASS
n41	ant2	30	60	505200	162@0	CP_QAM16	57.930	61.030	PASS
n41	ant1	30	60	505200	162@0	CP_QAM64	58.090	61.020	PASS
n41	ant2	30	60	505200	162@0	CP_QAM64	57.910	61.010	PASS

n41	ant1	30	60	505200	162@0	CP_QAM256	58.090	61.030	PASS
n41	ant2	30	60	505200	162@0	CP_QAM256	57.910	61.000	PASS
n41	ant1	30	60	518598	162@0	CP_QPSK	58.120	61.040	PASS
n41	ant2	30	60	518598	162@0	CP_QPSK	57.950	61.070	PASS
n41	ant1	30	60	518598	162@0	CP_QAM16	58.110	61.050	PASS
n41	ant2	30	60	518598	162@0	CP_QAM16	57.950	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	57.930	61.040	PASS
n41	ant1	30	60	518598	162@0	CP_QAM256	58.110	61.050	PASS
n41	ant2	30	60	518598	162@0	CP_QAM256	57.930	61.020	PASS
n41	ant1	30	60	531996	162@0	CP_QPSK	57.960	60.990	PASS
n41	ant2	30	60	531996	162@0	CP_QPSK	58.080	61.070	PASS
n41	ant1	30	60	531996	162@0	CP_QAM16	57.960	61.010	PASS
n41	ant2	30	60	531996	162@0	CP_QAM16	58.090	61.080	PASS
n41	ant1	30	60	531996	162@0	CP_QAM64	57.950	60.990	PASS
n41	ant2	30	60	531996	162@0	CP_QAM64	57.940	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	57.940	61.030	PASS
n41	ant1	30	80	507204	217@0	CP_QPSK	77.780	81.750	PASS
n41	ant2	30	80	507204	217@0	CP_QPSK	77.760	81.720	PASS
n41	ant1	30	80	507204	217@0	CP_QAM16	77.780	81.750	PASS
n41	ant2	30	80	507204	217@0	CP_QAM16	77.770	81.720	PASS
n41	ant1	30	80	507204	217@0	CP_QAM64	77.790	81.750	PASS
n41	ant2	30	80	507204	217@0	CP_QAM64	77.760	81.730	PASS
n41	ant1	30	80	507204	217@0	CP_QAM256	77.800	81.770	PASS
n41	ant2	30	80	507204	217@0	CP_QAM256	77.600	81.700	PASS
n41	ant1	30	80	518598	217@0	CP_QPSK	77.820	81.770	PASS
n41	ant2	30	80	518598	217@0	CP_QPSK	77.580	81.750	PASS
n41	ant1	30	80	518598	217@0	CP_QAM16	77.820	81.770	PASS
n41	ant2	30	80	518598	217@0	CP_QAM16	77.580	81.760	PASS
n41	ant1	30	80	518598	217@0	CP_QAM64	77.830	81.770	PASS
n41	ant2	30	80	518598	217@0	CP_QAM64	77.580	81.750	PASS
n41	ant1	30	80	518598	217@0	CP_QAM256	77.840	81.810	PASS
n41	ant2	30	80	518598	217@0	CP_QAM256	77.580	81.730	PASS
n41	ant1	30	80	529998	217@0	CP_QPSK	77.580	81.690	PASS
n41	ant2	30	80	529998	217@0	CP_QPSK	77.850	81.780	PASS
n41	ant1	30	80	529998	217@0	CP_QAM16	77.580	81.680	PASS
n41	ant2	30	80	529998	217@0	CP_QAM16	77.850	81.790	PASS
n41	ant1	30	80	529998	217@0	CP_QAM64	77.590	81.690	PASS
n41	ant2	30	80	529998	217@0	CP_QAM64	77.850	81.780	PASS
n41	ant1	30	80	529998	217@0	CP_QAM256	77.760	81.710	PASS
n41	ant2	30	80	529998	217@0	CP_QAM256	77.850	81.760	PASS

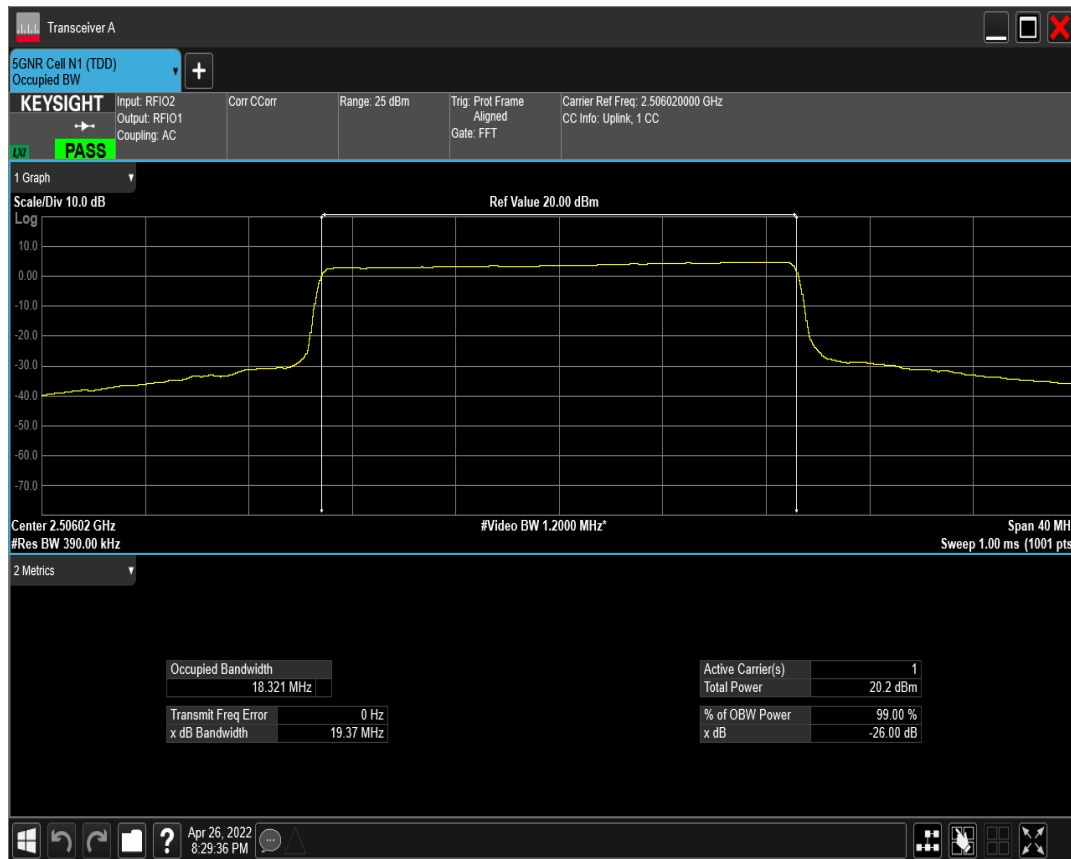
n41	ant1	30	90	508200	245@0	CP_QPSK	87.650	92.330	PASS
n41	ant2	30	90	508200	245@0	CP_QPSK	87.650	92.260	PASS
n41	ant1	30	90	508200	245@0	CP_QAM16	87.850	92.320	PASS
n41	ant2	30	90	508200	245@0	CP_QAM16	87.660	92.300	PASS
n41	ant1	30	90	508200	245@0	CP_QAM64	87.640	92.310	PASS
n41	ant2	30	90	508200	245@0	CP_QAM64	87.620	92.270	PASS
n41	ant1	30	90	508200	245@0	CP_QAM256	87.850	92.370	PASS
n41	ant2	30	90	508200	245@0	CP_QAM256	87.610	92.230	PASS
n41	ant1	30	90	518598	245@0	CP_QPSK	87.890	92.390	PASS
n41	ant2	30	90	518598	245@0	CP_QPSK	87.620	92.320	PASS
n41	ant1	30	90	518598	245@0	CP_QAM16	87.910	92.380	PASS
n41	ant2	30	90	518598	245@0	CP_QAM16	87.640	92.350	PASS
n41	ant1	30	90	518598	245@0	CP_QAM64	87.890	92.360	PASS
n41	ant2	30	90	518598	245@0	CP_QAM64	87.600	92.270	PASS
n41	ant1	30	90	518598	245@0	CP_QAM256	87.910	92.420	PASS
n41	ant2	30	90	518598	245@0	CP_QAM256	87.610	92.260	PASS
n41	ant1	30	90	528996	245@0	CP_QPSK	87.630	92.270	PASS
n41	ant2	30	90	528996	245@0	CP_QPSK	87.910	92.300	PASS
n41	ant1	30	90	528996	245@0	CP_QAM16	87.650	92.260	PASS
n41	ant2	30	90	528996	245@0	CP_QAM16	87.940	92.330	PASS
n41	ant1	30	90	528996	245@0	CP_QAM64	87.630	92.270	PASS
n41	ant2	30	90	528996	245@0	CP_QAM64	87.900	92.310	PASS
n41	ant1	30	90	528996	245@0	CP_QAM256	87.650	92.300	PASS
n41	ant2	30	90	528996	245@0	CP_QAM256	87.910	92.300	PASS
n41	ant1	30	100	509202	273@0	CP_QPSK	97.730	102.760	PASS
n41	ant2	30	100	509202	273@0	CP_QPSK	97.740	102.770	PASS
n41	ant1	30	100	509202	273@0	CP_QAM16	97.730	102.750	PASS
n41	ant2	30	100	509202	273@0	CP_QAM16	97.750	102.780	PASS
n41	ant1	30	100	509202	273@0	CP_QAM64	97.740	102.770	PASS
n41	ant2	30	100	509202	273@0	CP_QAM64	97.730	102.720	PASS
n41	ant1	30	100	509202	273@0	CP_QAM256	97.750	102.800	PASS
n41	ant2	30	100	509202	273@0	CP_QAM256	97.750	102.730	PASS
n41	ant1	30	100	518598	273@0	CP_QPSK	97.800	102.780	PASS
n41	ant2	30	100	518598	273@0	CP_QPSK	97.730	102.820	PASS
n41	ant1	30	100	518598	273@0	CP_QAM16	97.800	102.780	PASS
n41	ant2	30	100	518598	273@0	CP_QAM16	97.740	102.820	PASS
n41	ant1	30	100	518598	273@0	CP_QAM64	97.800	102.780	PASS
n41	ant2	30	100	518598	273@0	CP_QAM64	97.720	102.790	PASS
n41	ant1	30	100	518598	273@0	CP_QAM256	98.010	102.820	PASS
n41	ant2	30	100	518598	273@0	CP_QAM256	97.730	102.770	PASS
n41	ant1	30	100	528000	273@0	CP_QPSK	97.720	102.720	PASS
n41	ant2	30	100	528000	273@0	CP_QPSK	97.800	102.780	PASS

n41	ant1	30	100	528000	273@0	CP_QAM16	97.720	102.720	PASS
n41	ant2	30	100	528000	273@0	CP_QAM16	98.010	102.810	PASS
n41	ant1	30	100	528000	273@0	CP_QAM64	97.710	102.740	PASS
n41	ant2	30	100	528000	273@0	CP_QAM64	97.790	102.760	PASS
n41	ant1	30	100	528000	273@0	CP_QAM256	97.720	102.770	PASS
n41	ant2	30	100	528000	273@0	CP_QAM256	98.000	102.770	PASS

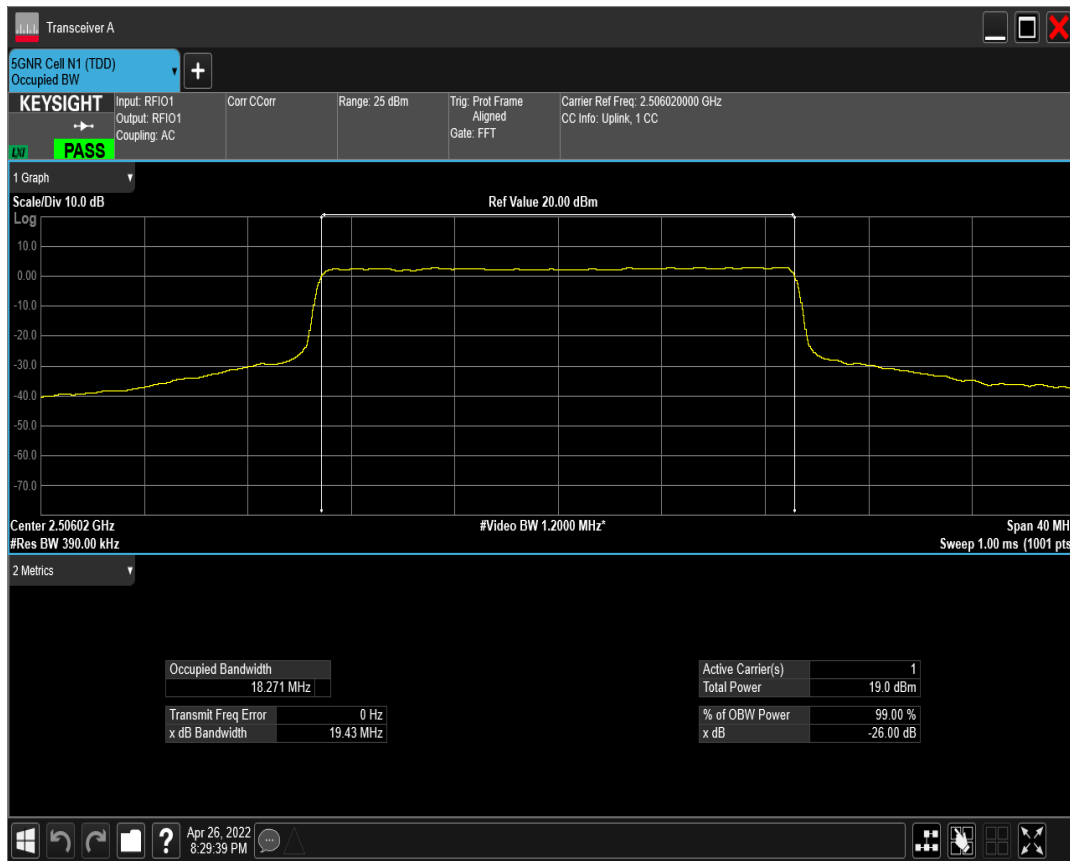
n41 SCS=30kHz CP_QPSK BW=20MHz Channel=501204 RB=51@0 ant1



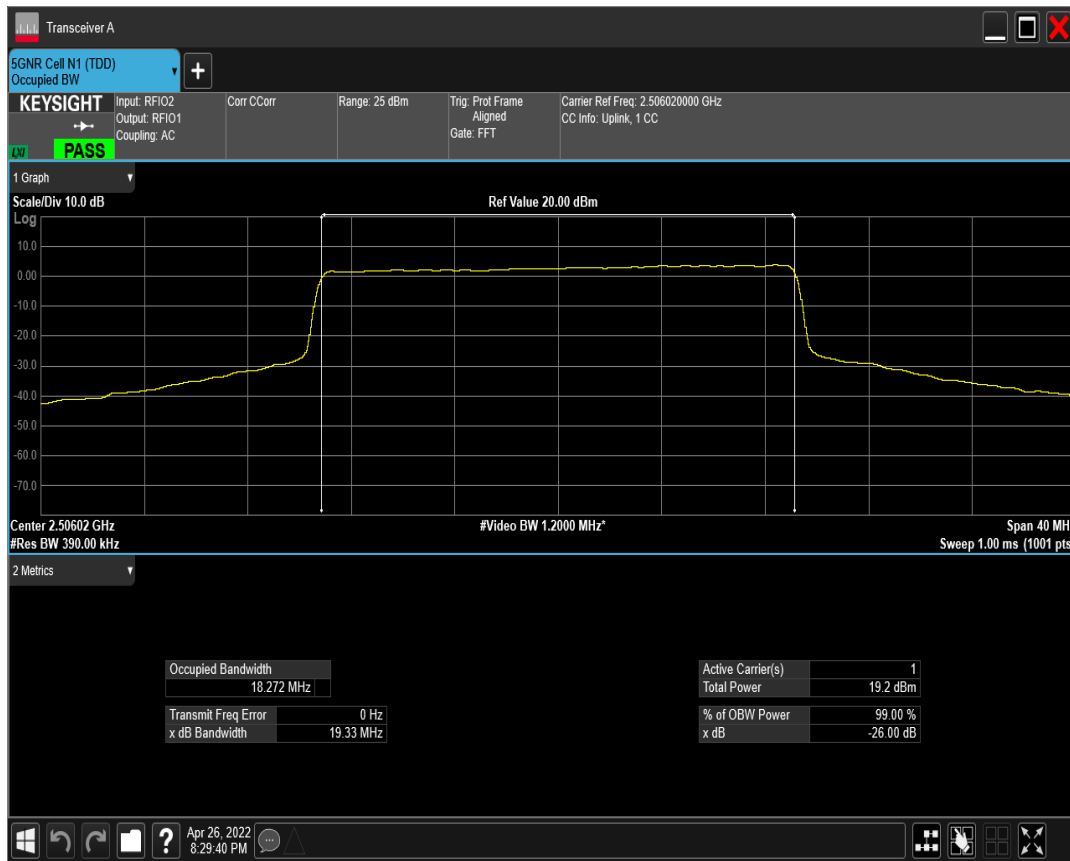
n41 SCS=30kHz CP_QPSK BW=20MHz Channel=501204 RB=51@0 ant2



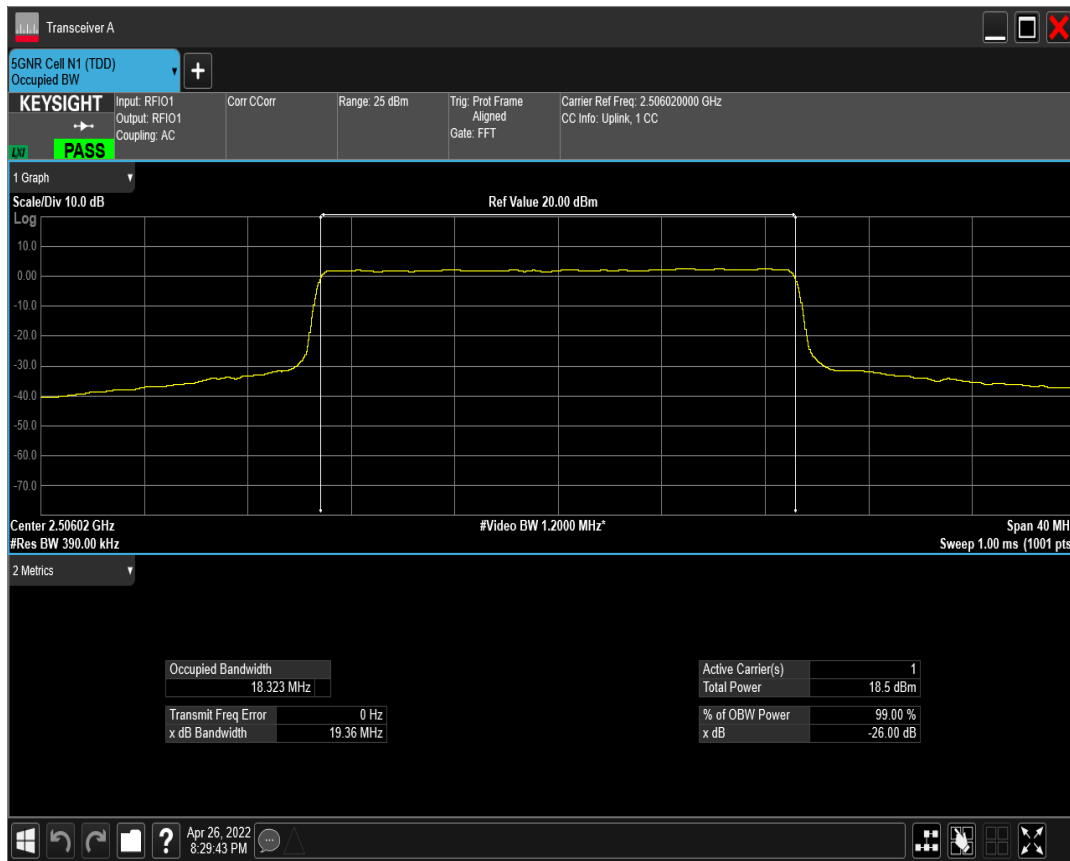
n41 SCS=30kHz CP_QAM16 BW=20MHz Channel=501204 RB=51@0 ant1



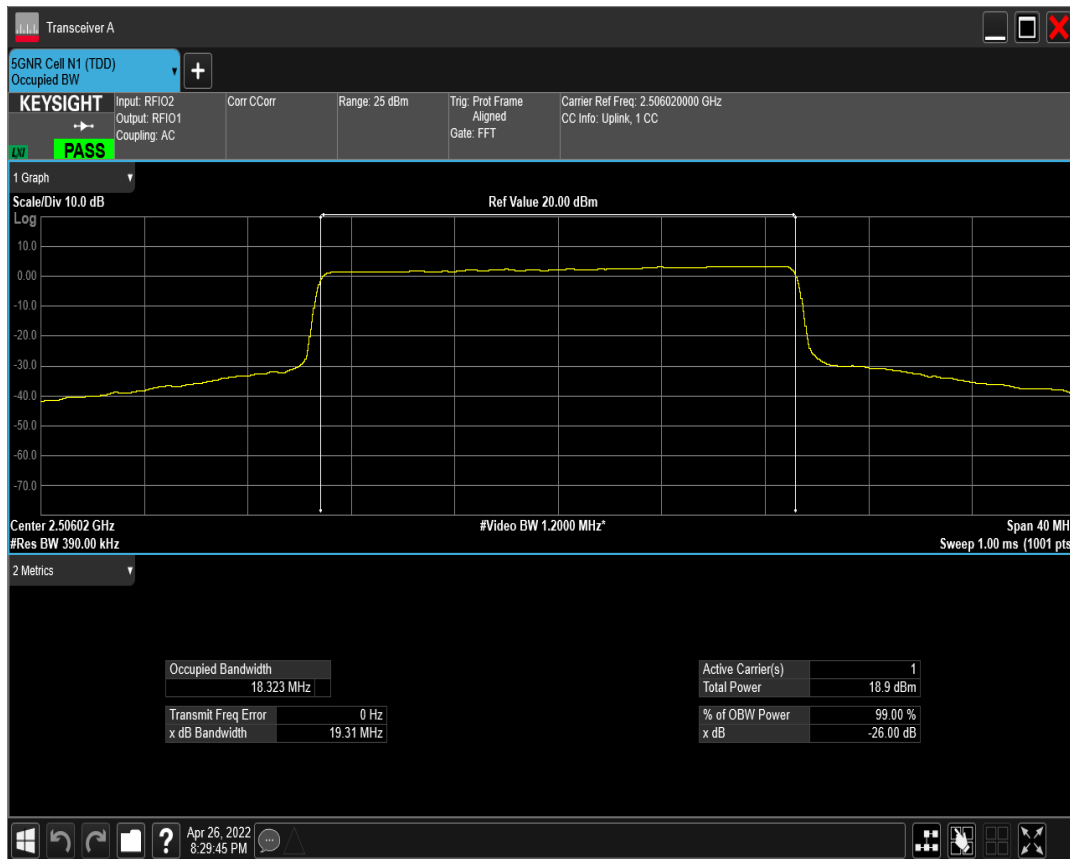
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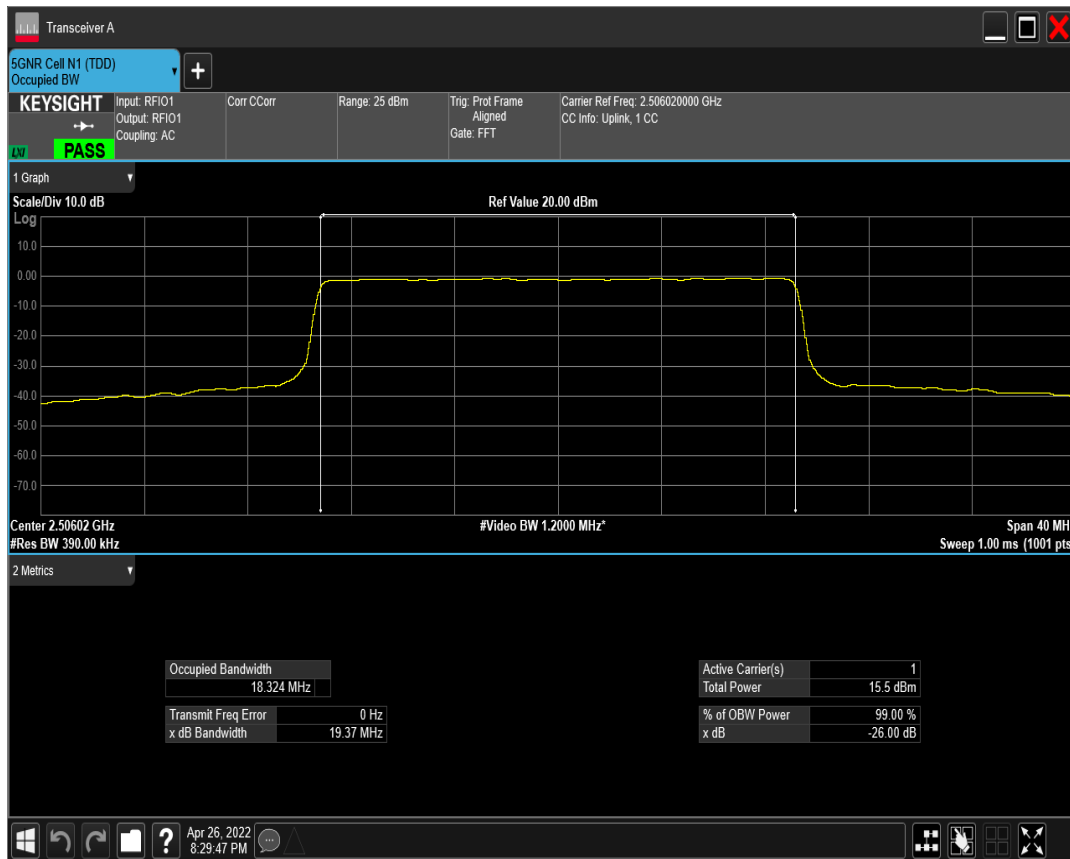
n41 SCS=30kHz CP_QAM64 BW=20MHz Channel=501204 RB=51@0 ant1



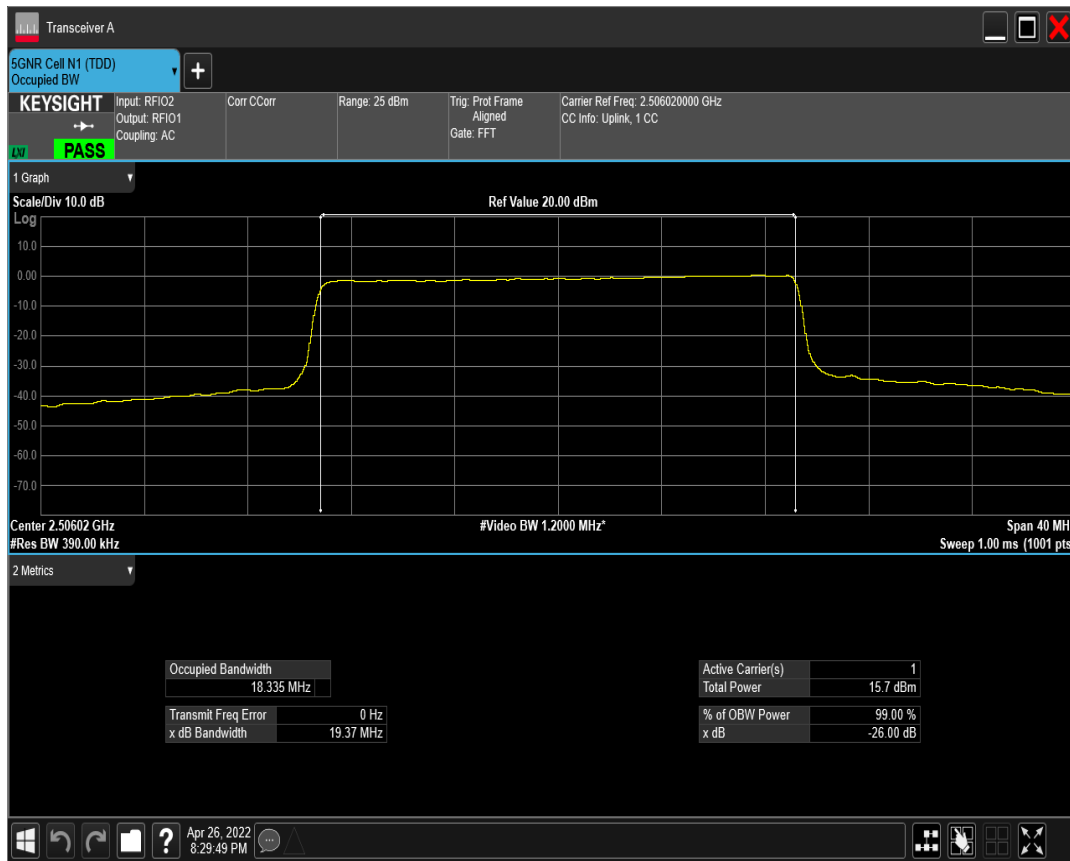
n41 SCS=30kHz CP_QAM64 BW=20MHz Channel=501204 RB=51@0 ant2



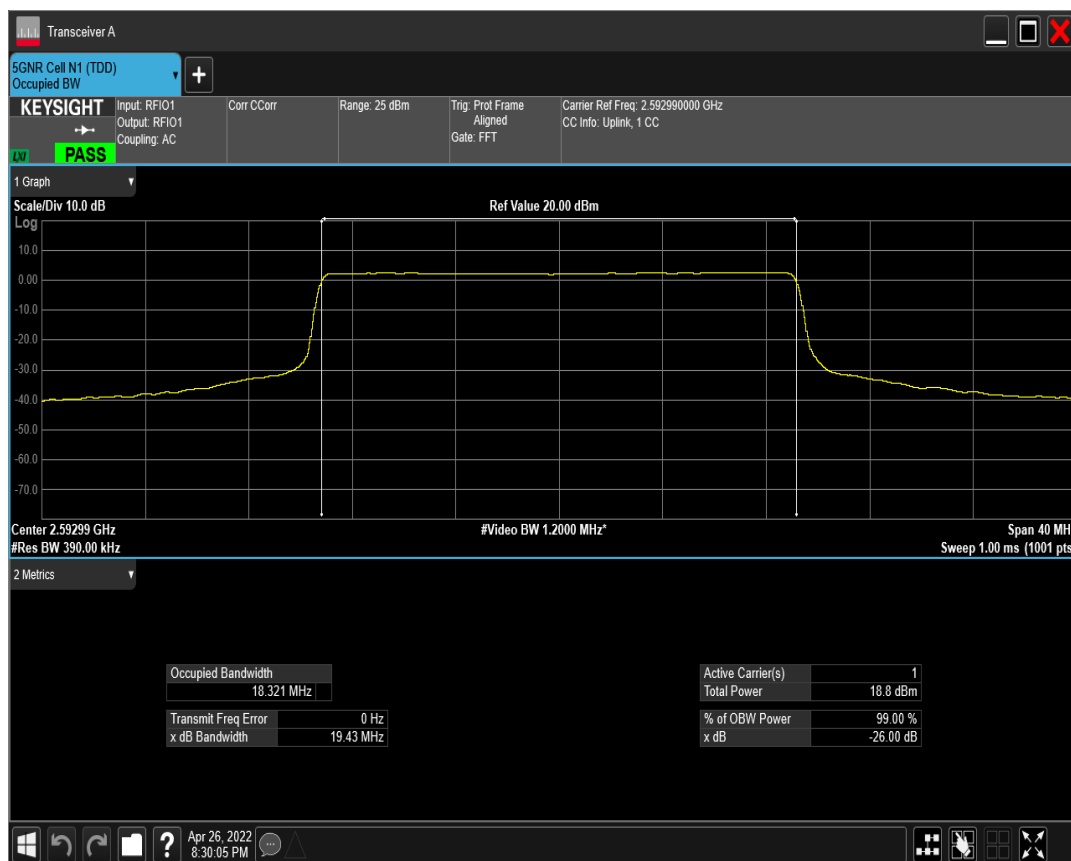
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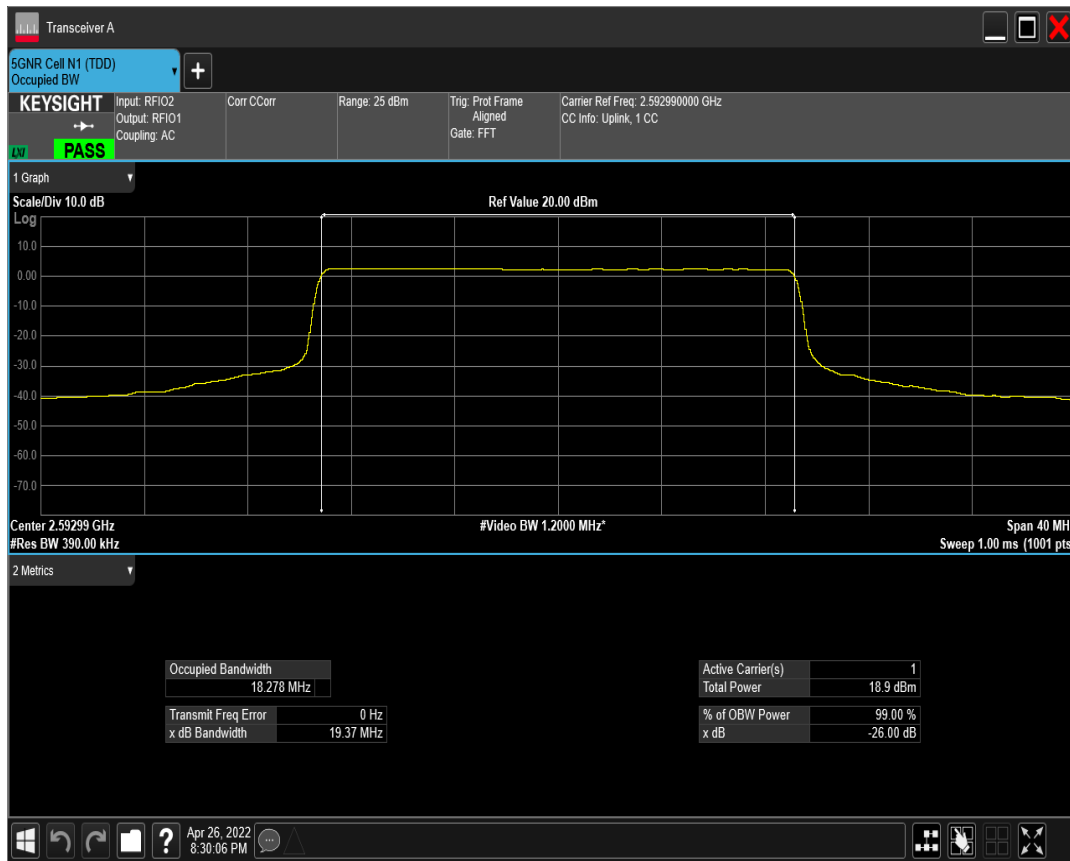
n41 SCS=30kHz CP_QAM256 BW=20MHz Channel=501204 RB=51@0 ant2



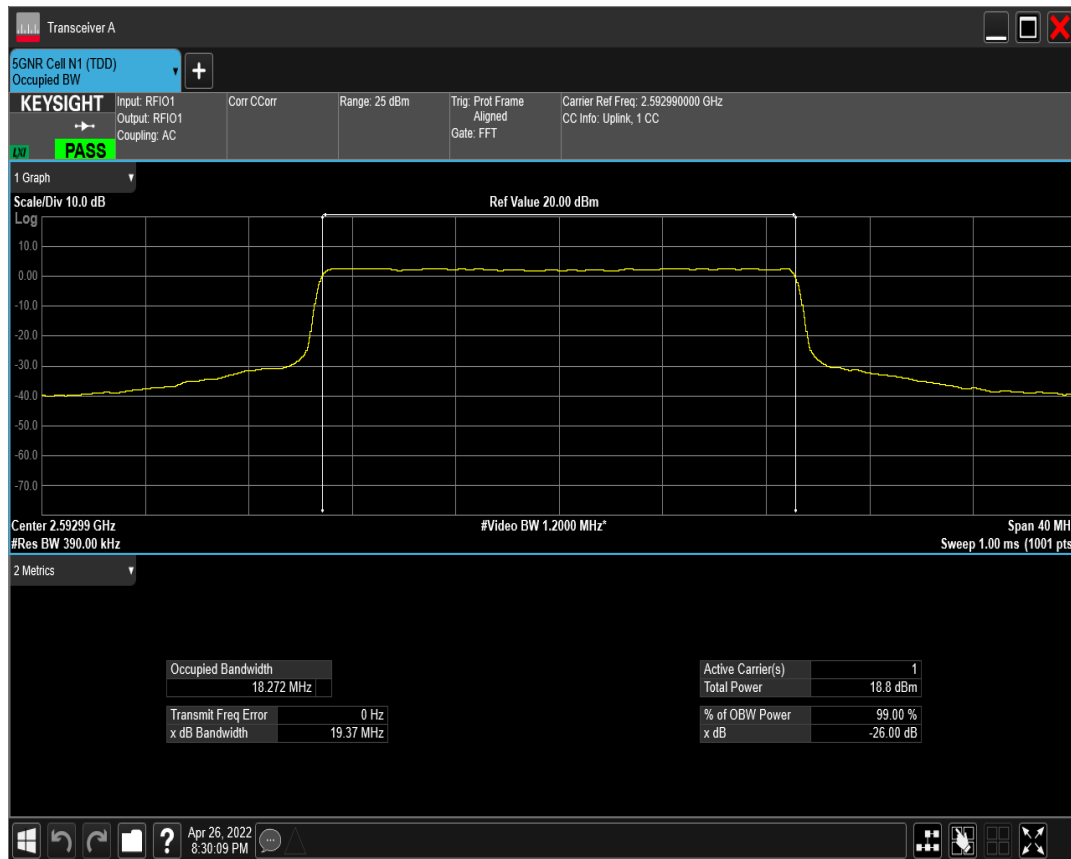
n41 SCS=30kHz CP_QPSK BW=20MHz Channel=518598 RB=51@0 ant1



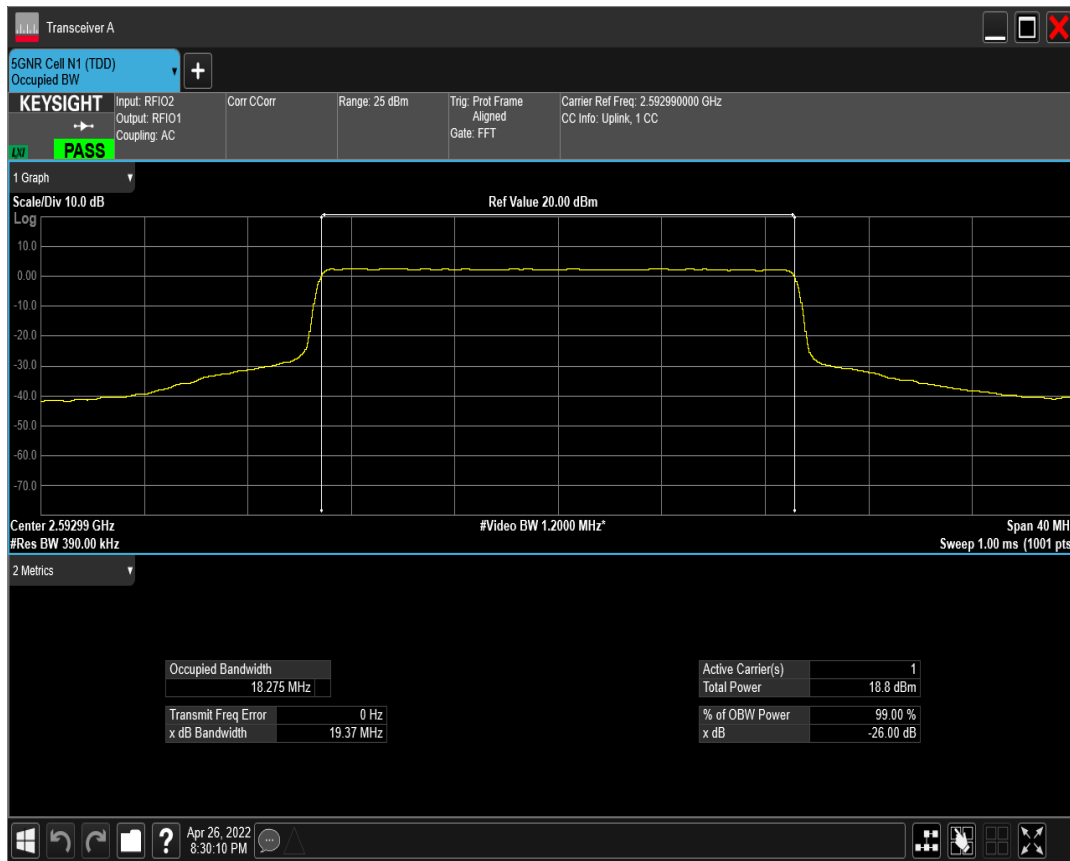
n41 SCS=30kHz CP_QPSK BW=20MHz Channel=518598 RB=51@0 ant2



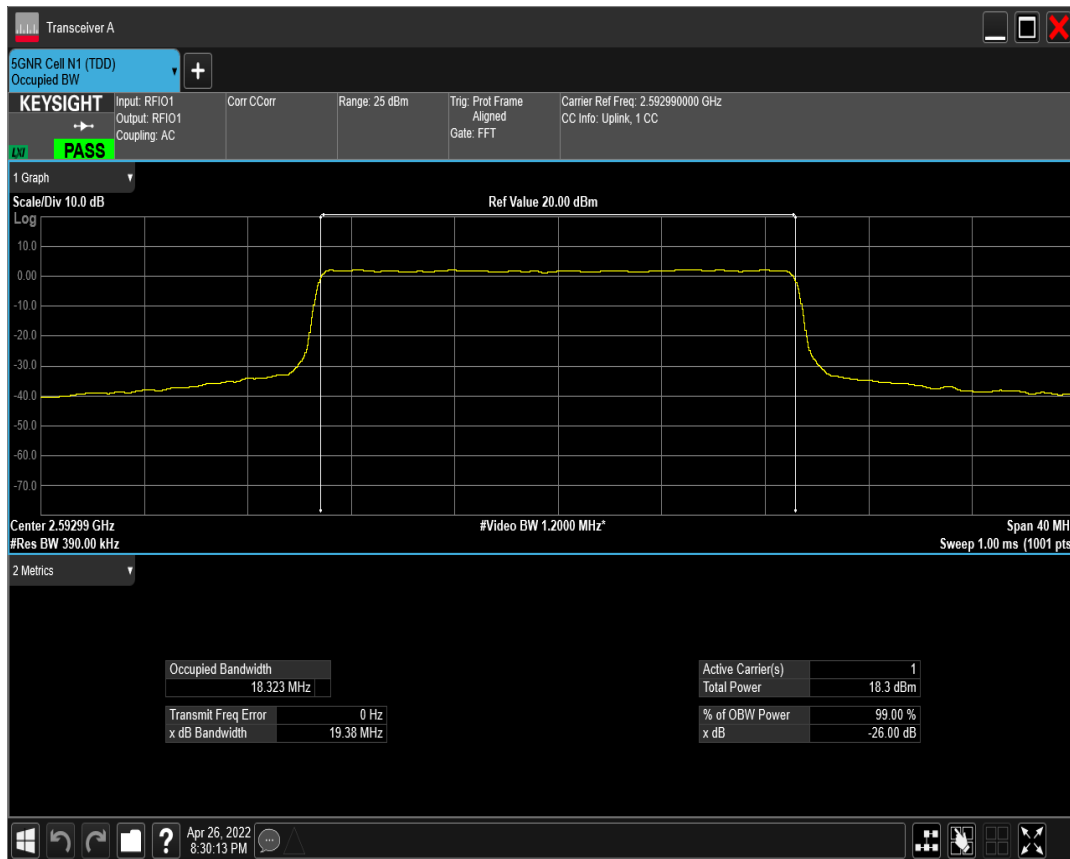
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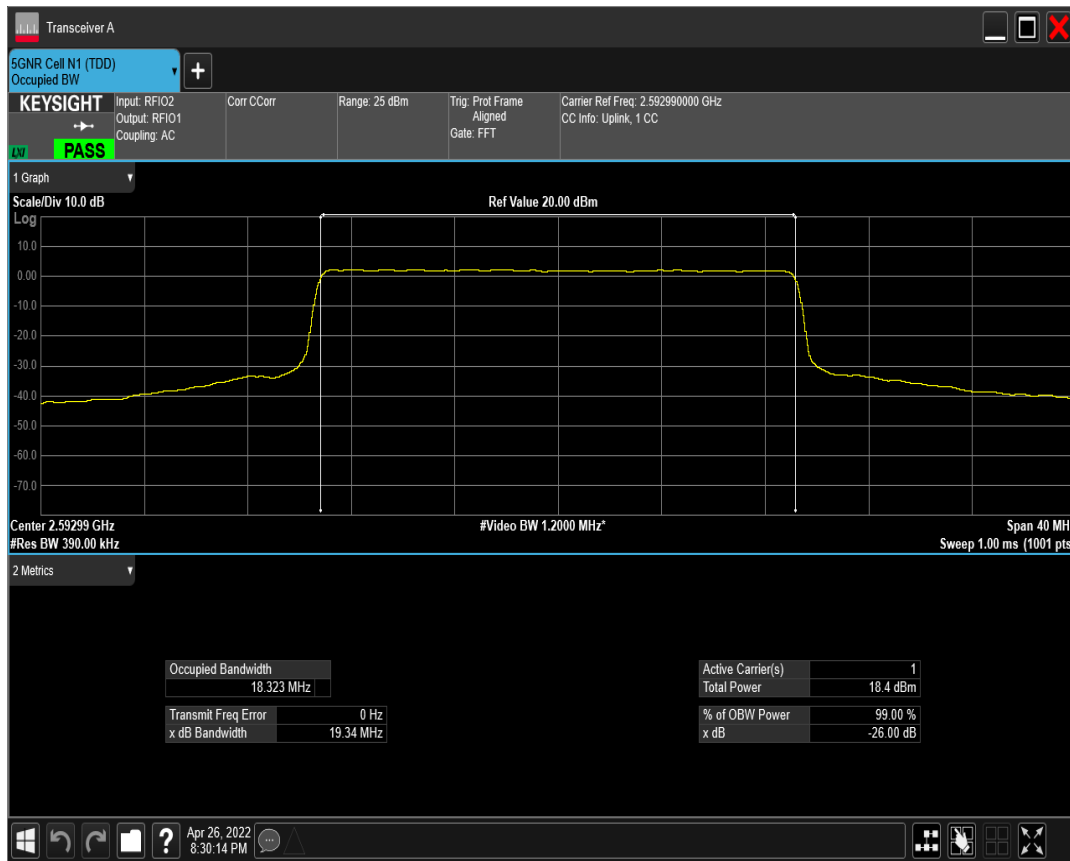
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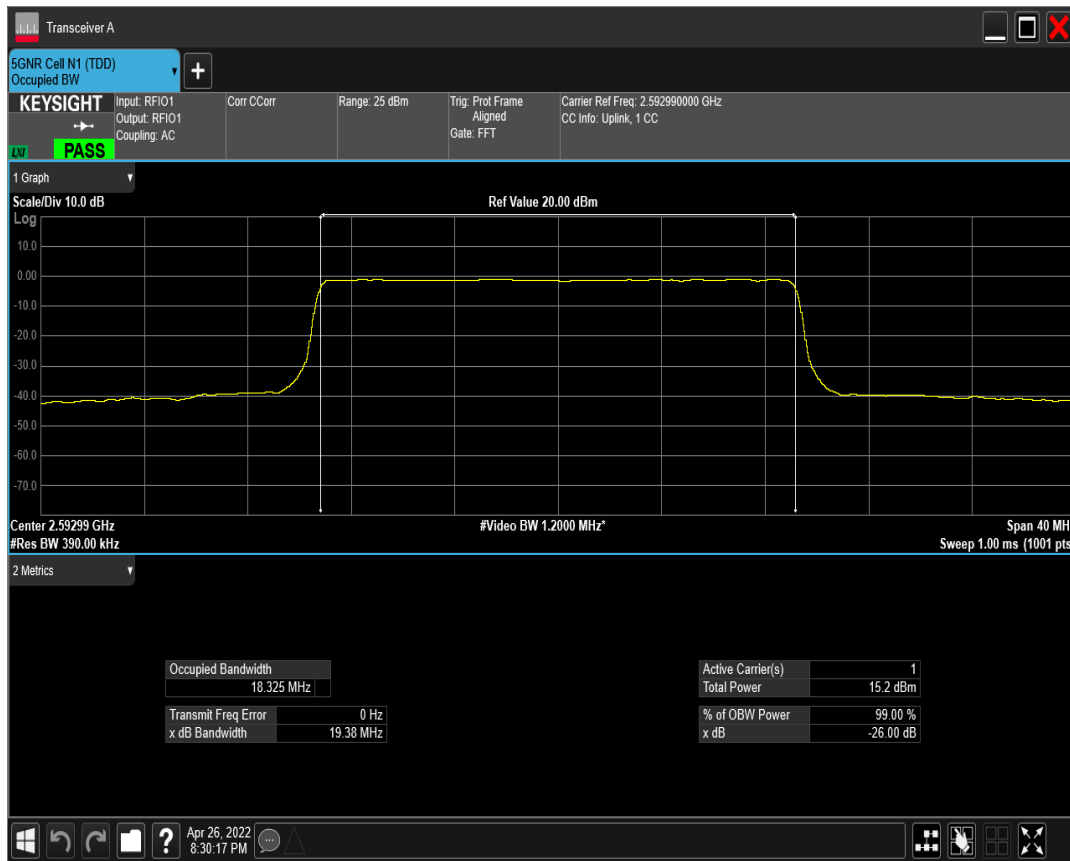
n41 SCS=30kHz CP_QAM64 BW=20MHz Channel=518598 RB=51@0 ant1



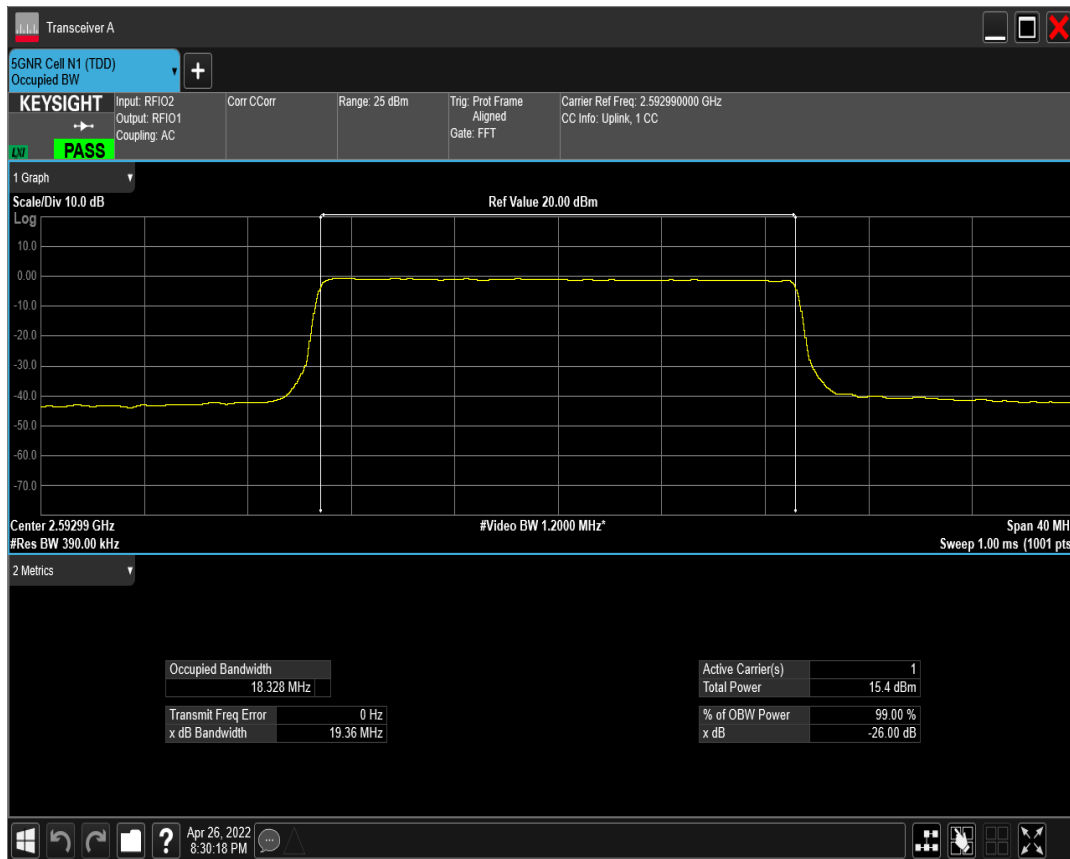
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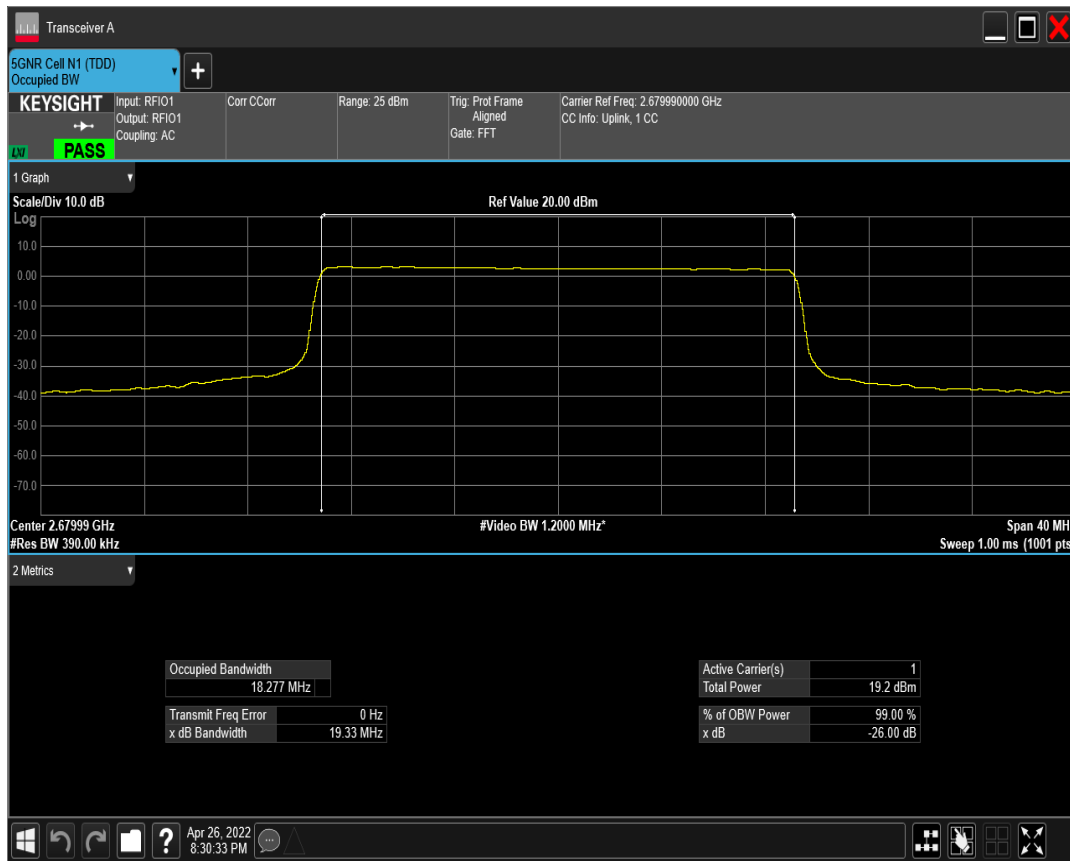
n41 SCS=30kHz CP_QAM256 BW=20MHz Channel=518598 RB=51@0 ant1



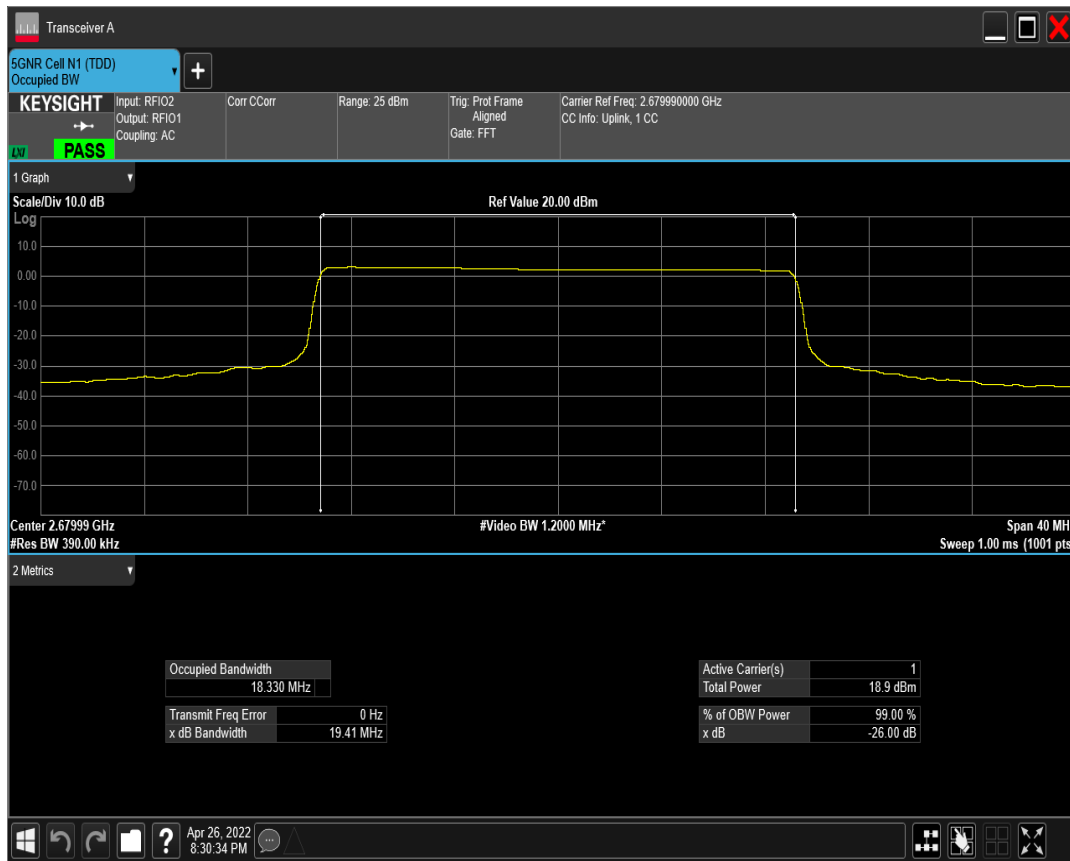
n41 SCS=30kHz CP_QAM256 BW=20MHz Channel=518598 RB=51@0 ant2



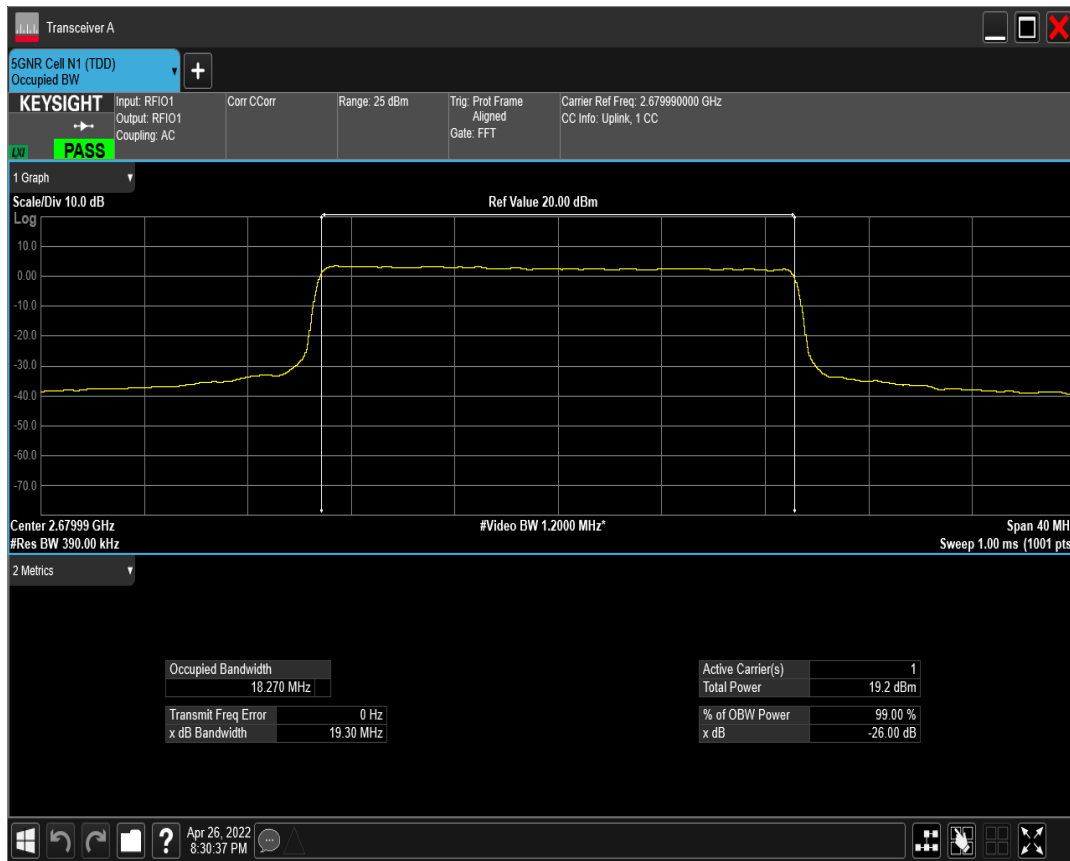
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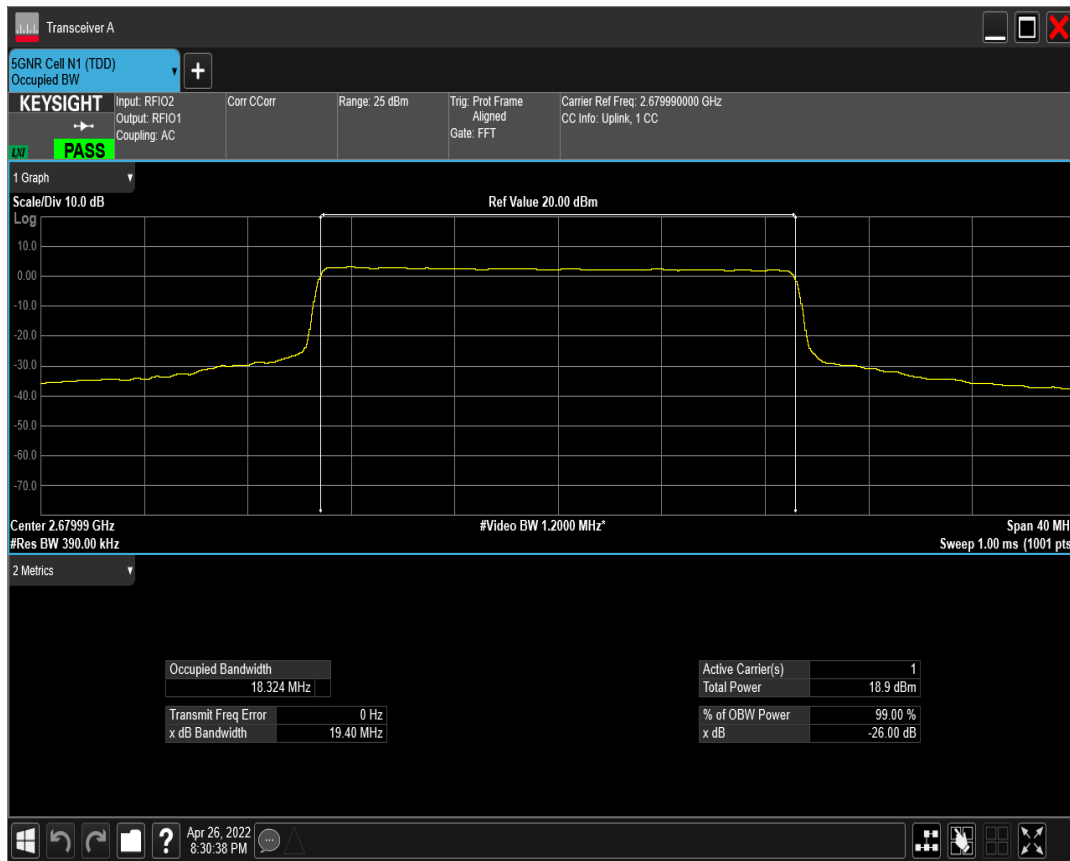
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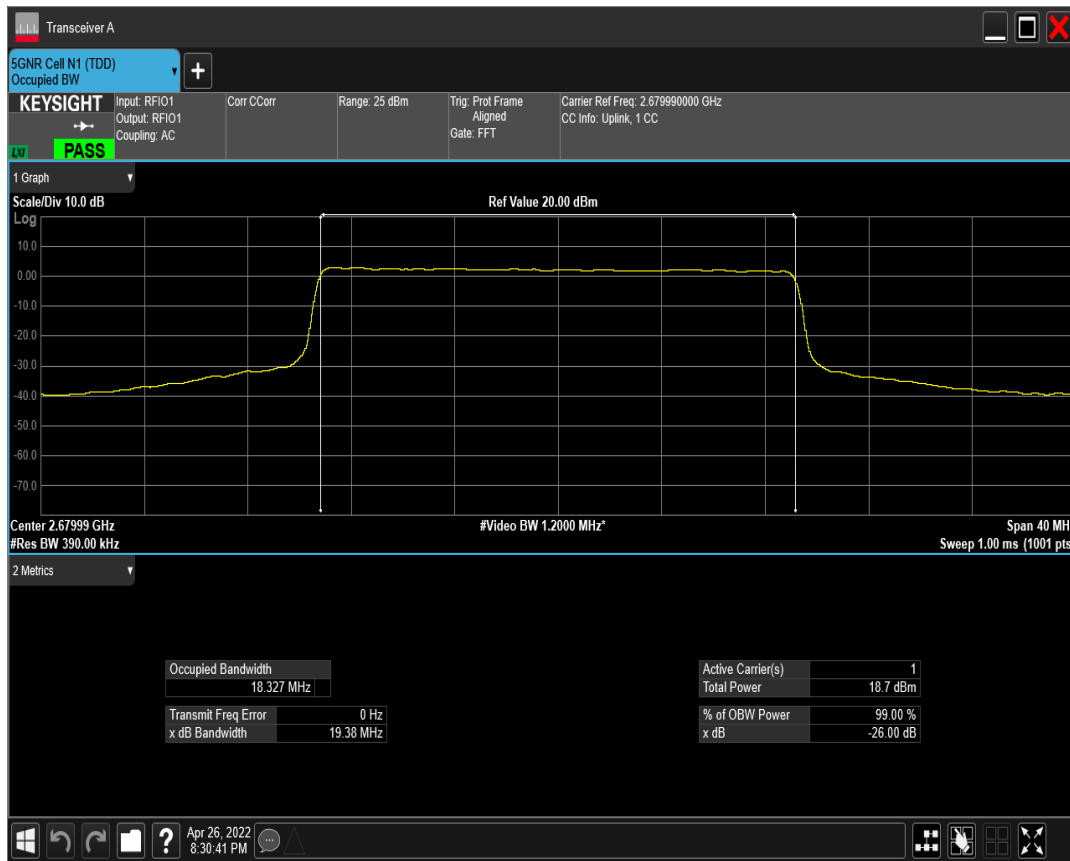
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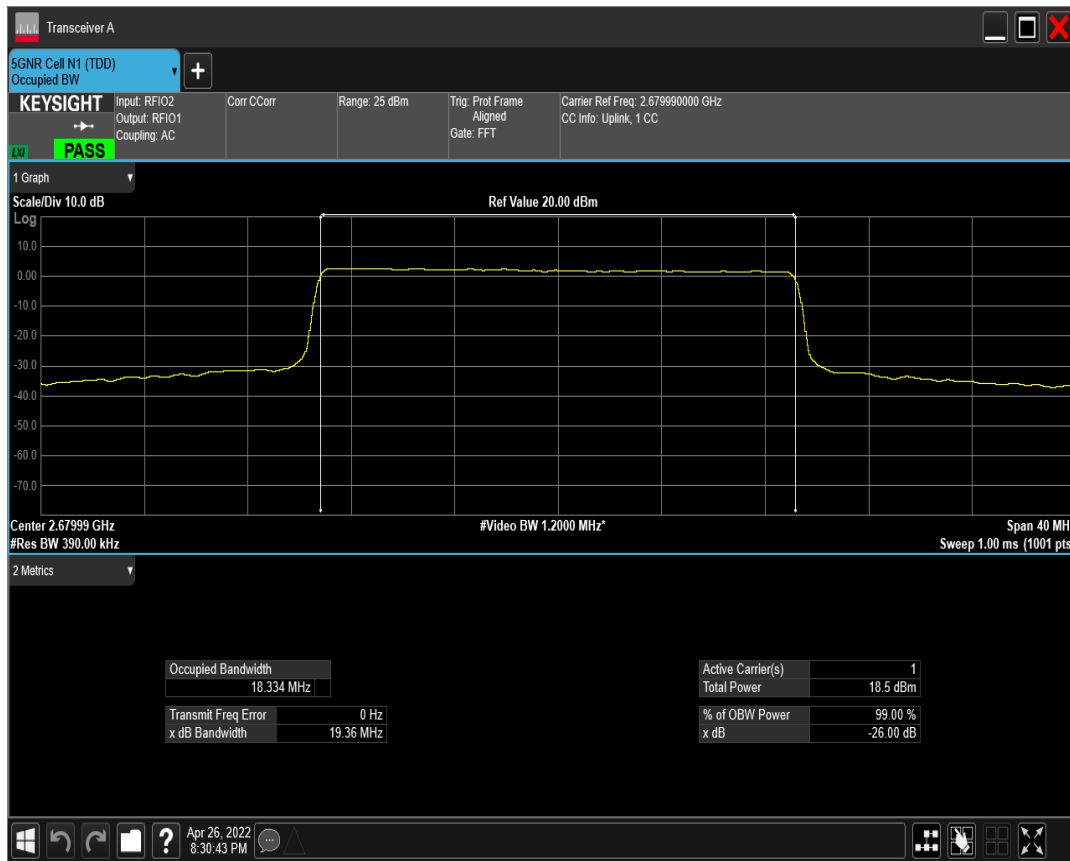
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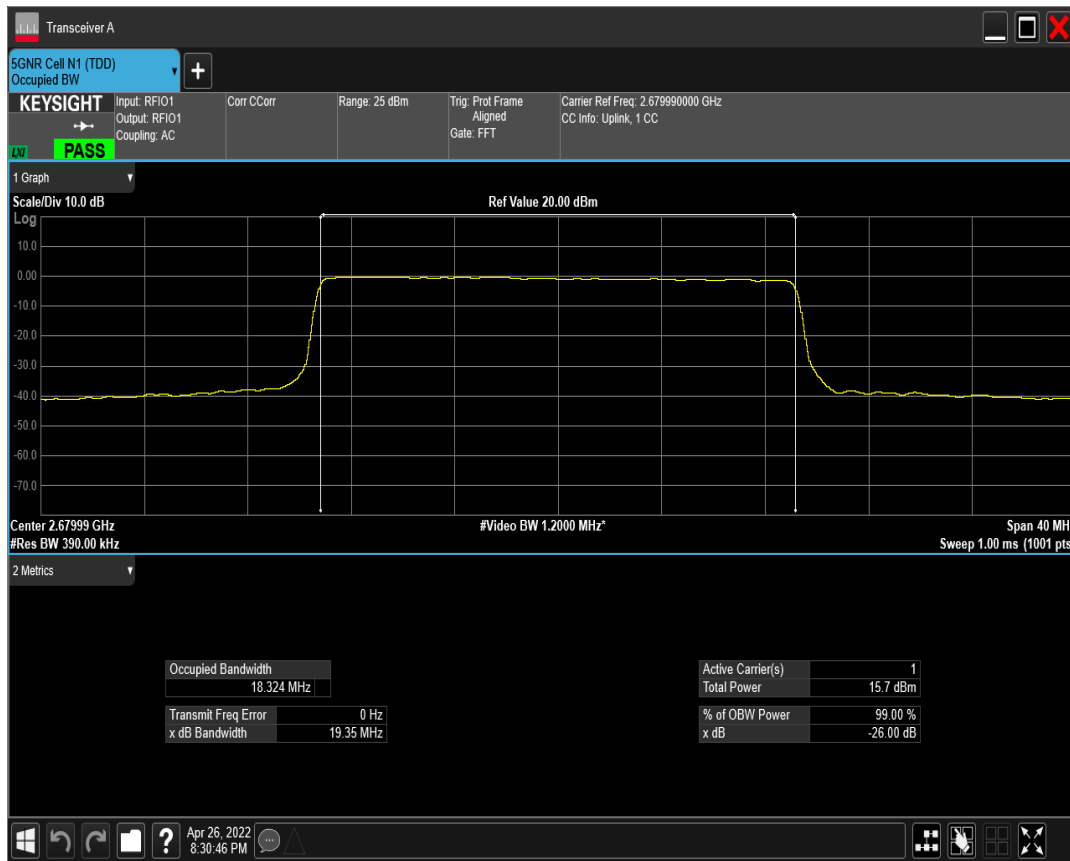
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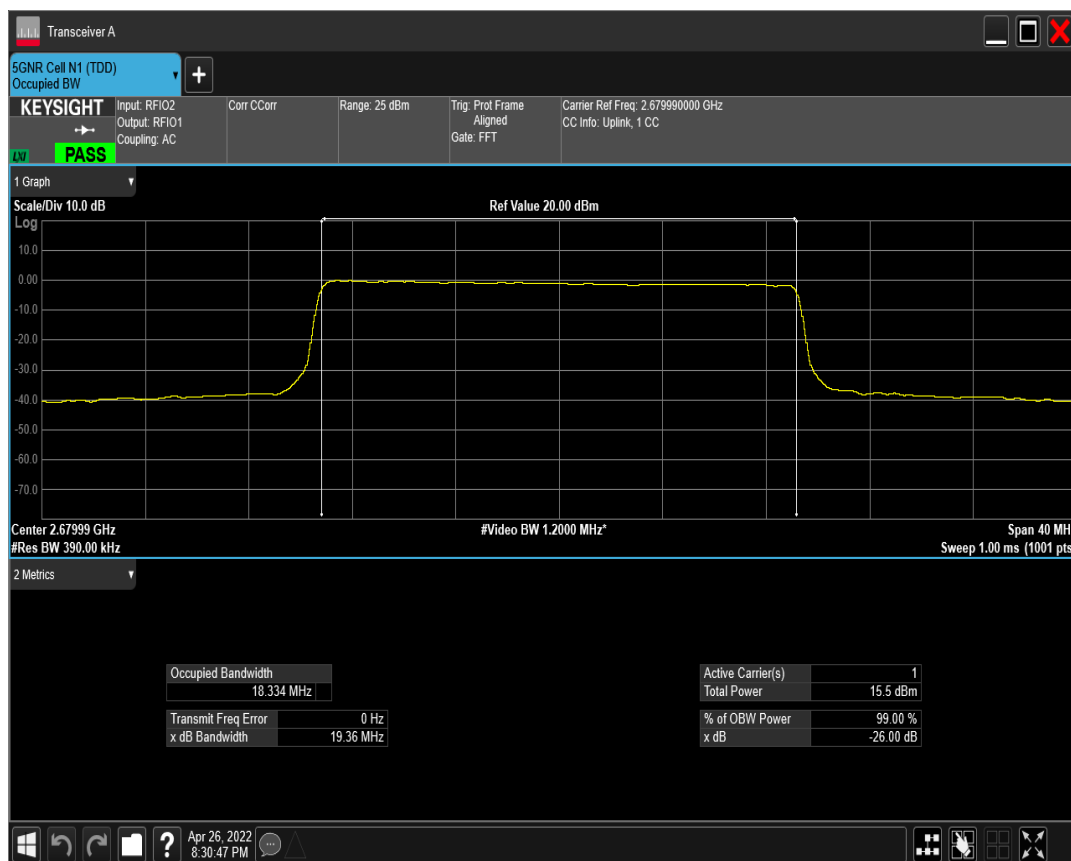
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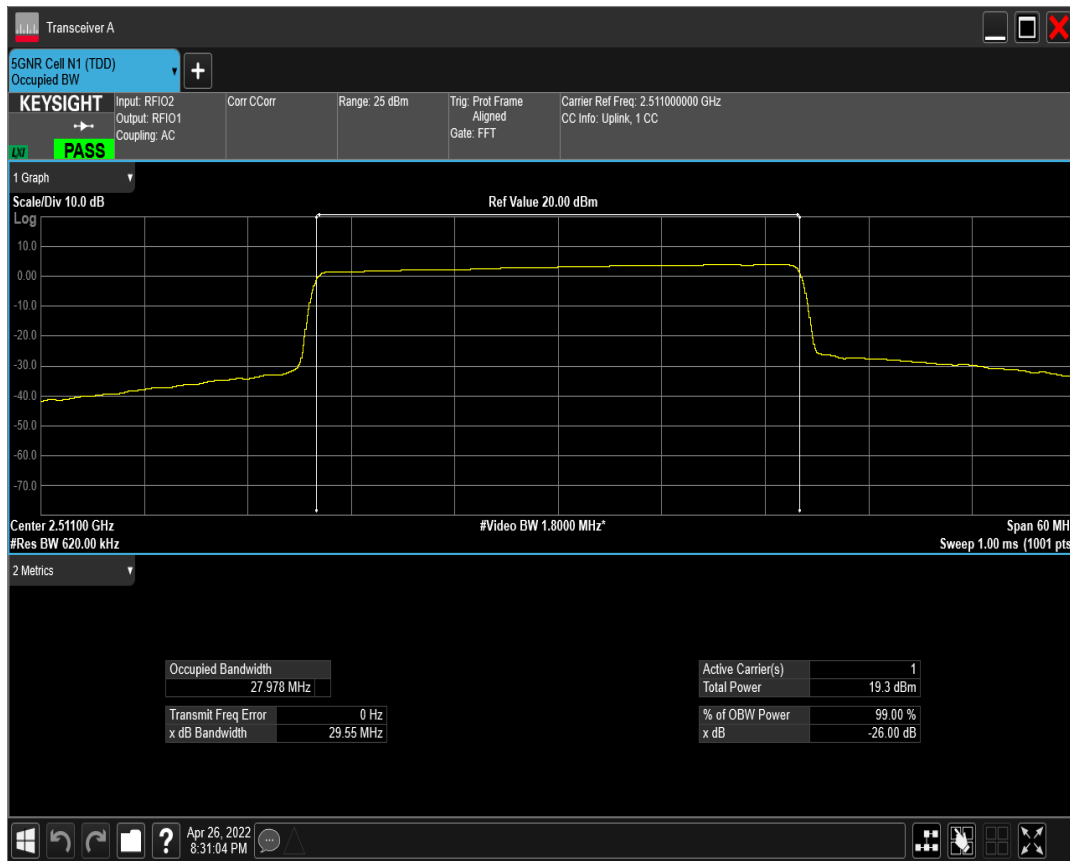
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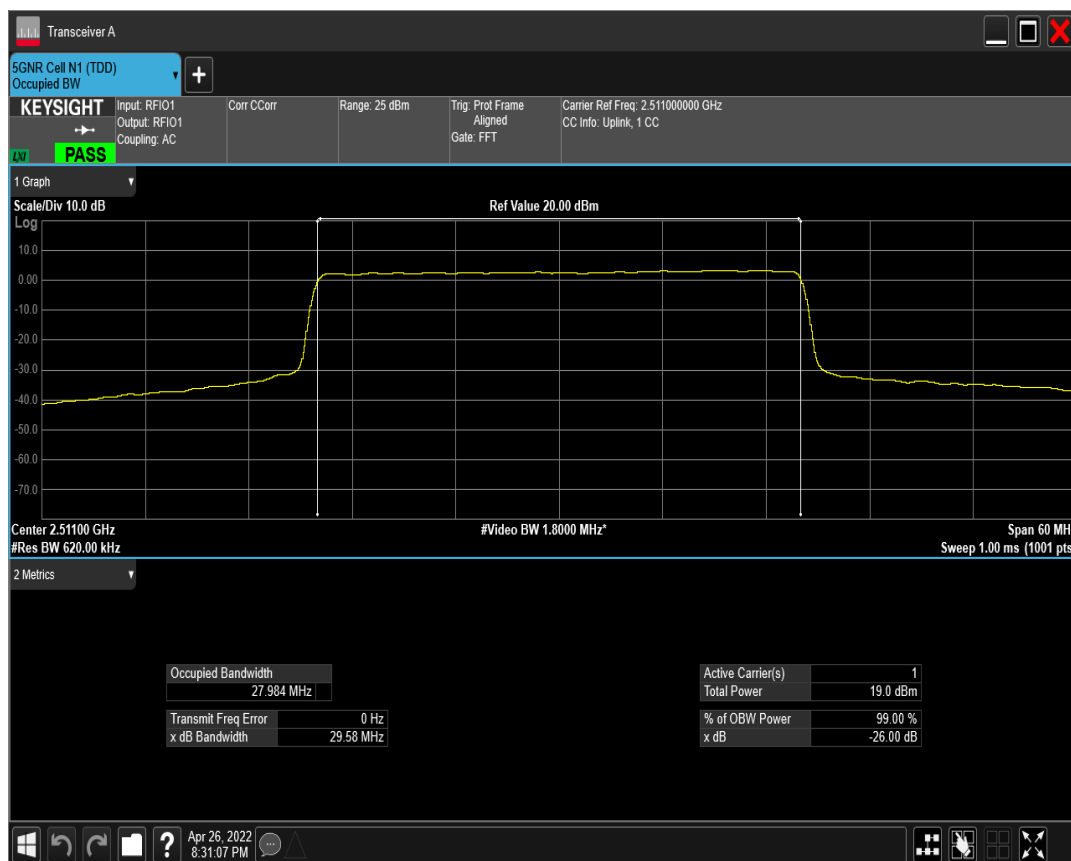
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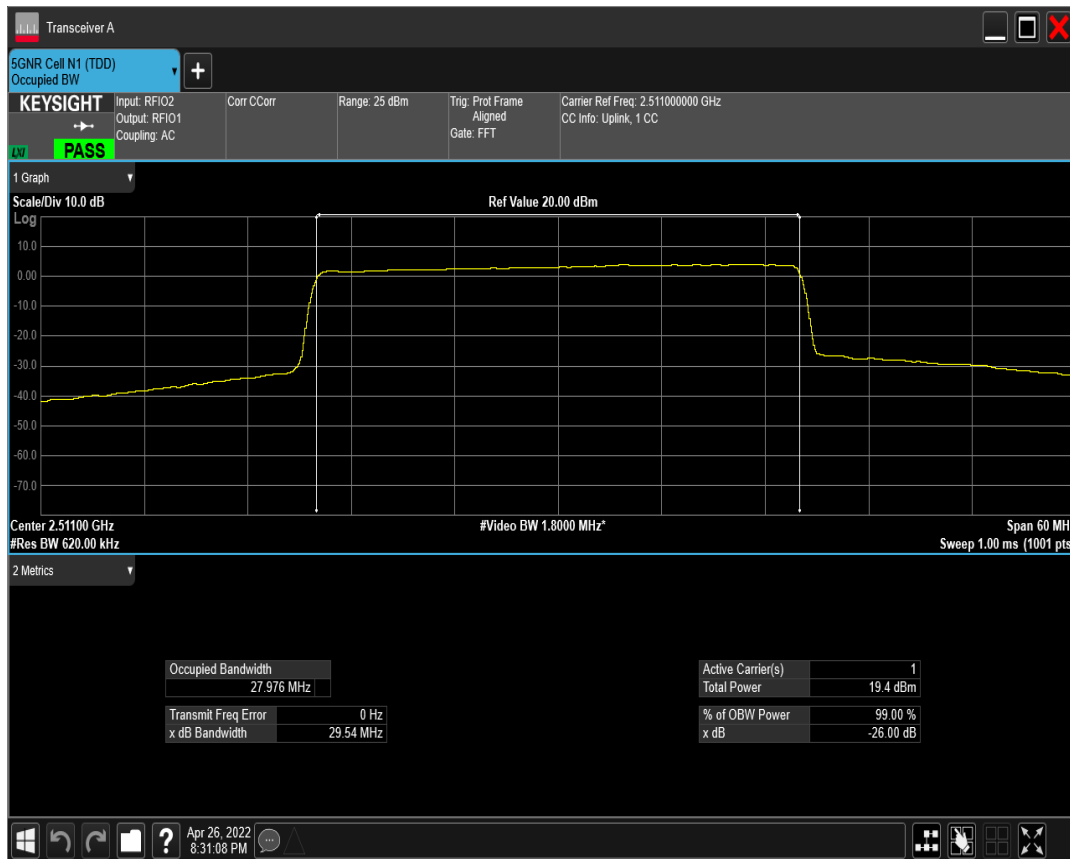
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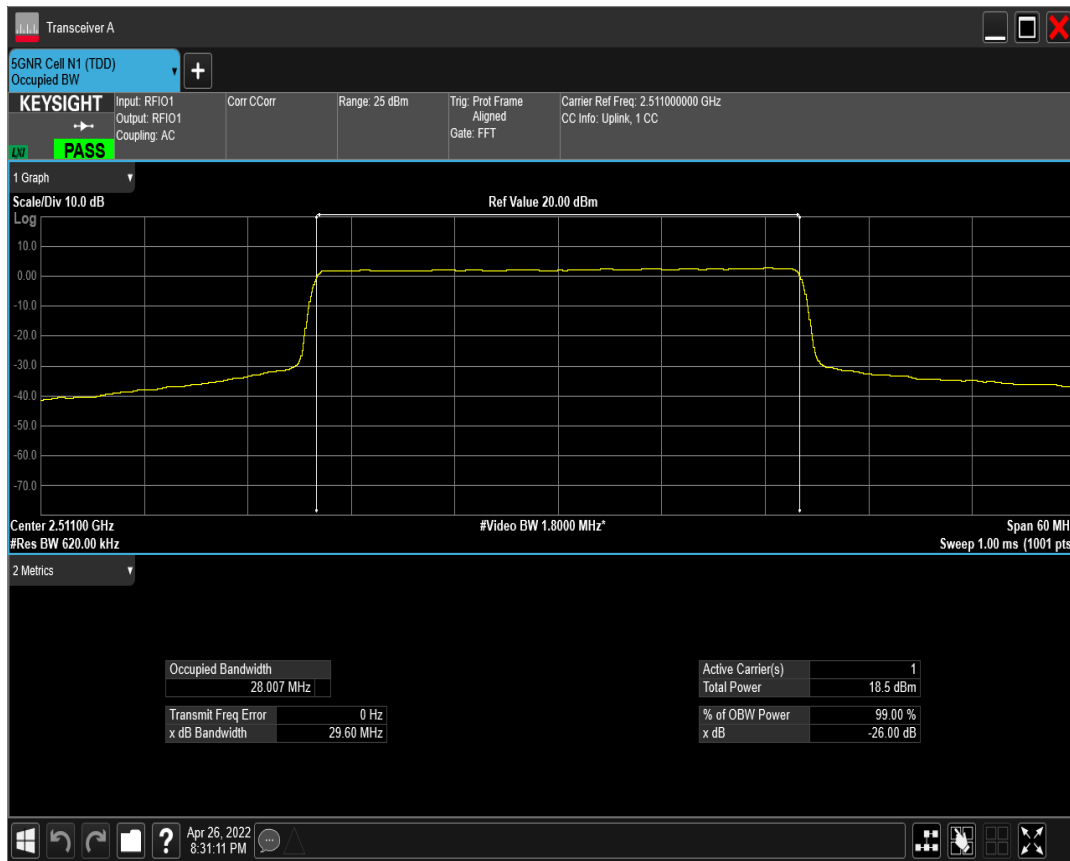
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n41 SCS=30kHz CP_QAM16 BW=30MHz Channel=502200 RB=78@0 ant2



n41 SCS=30kHz CP_QAM64 BW=30MHz Channel=502200 RB=78@0 ant1

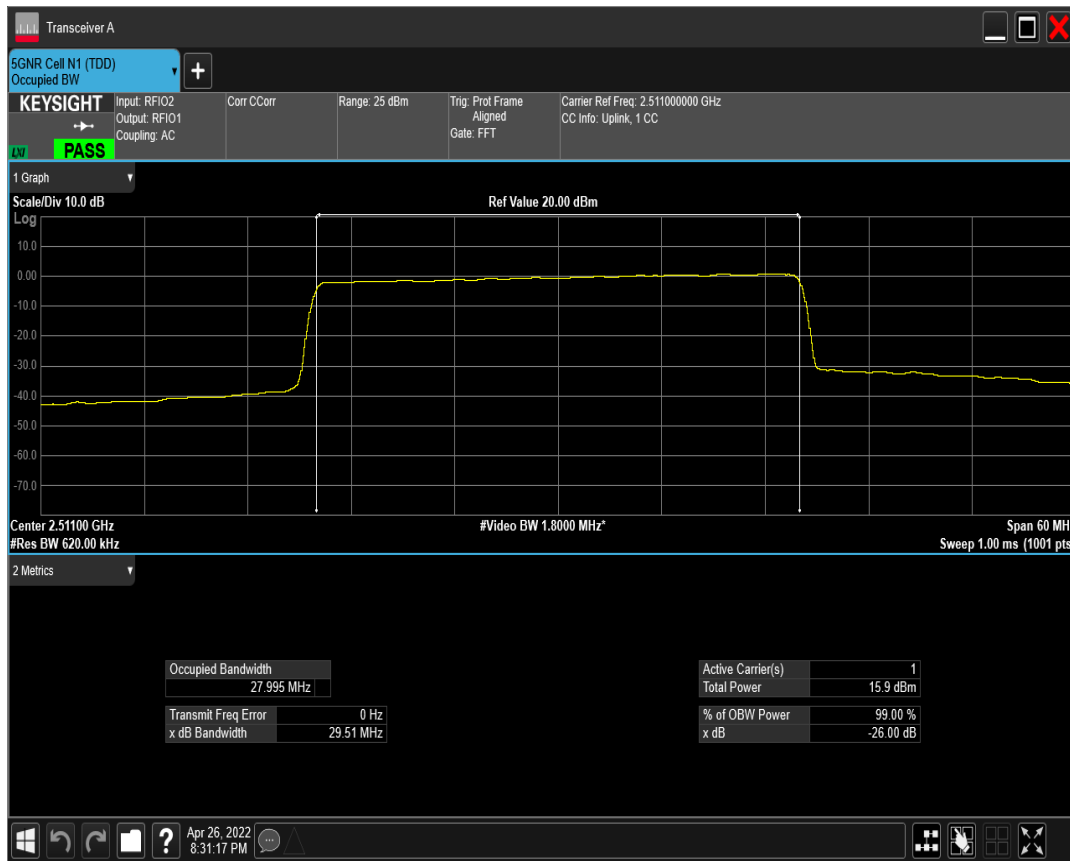


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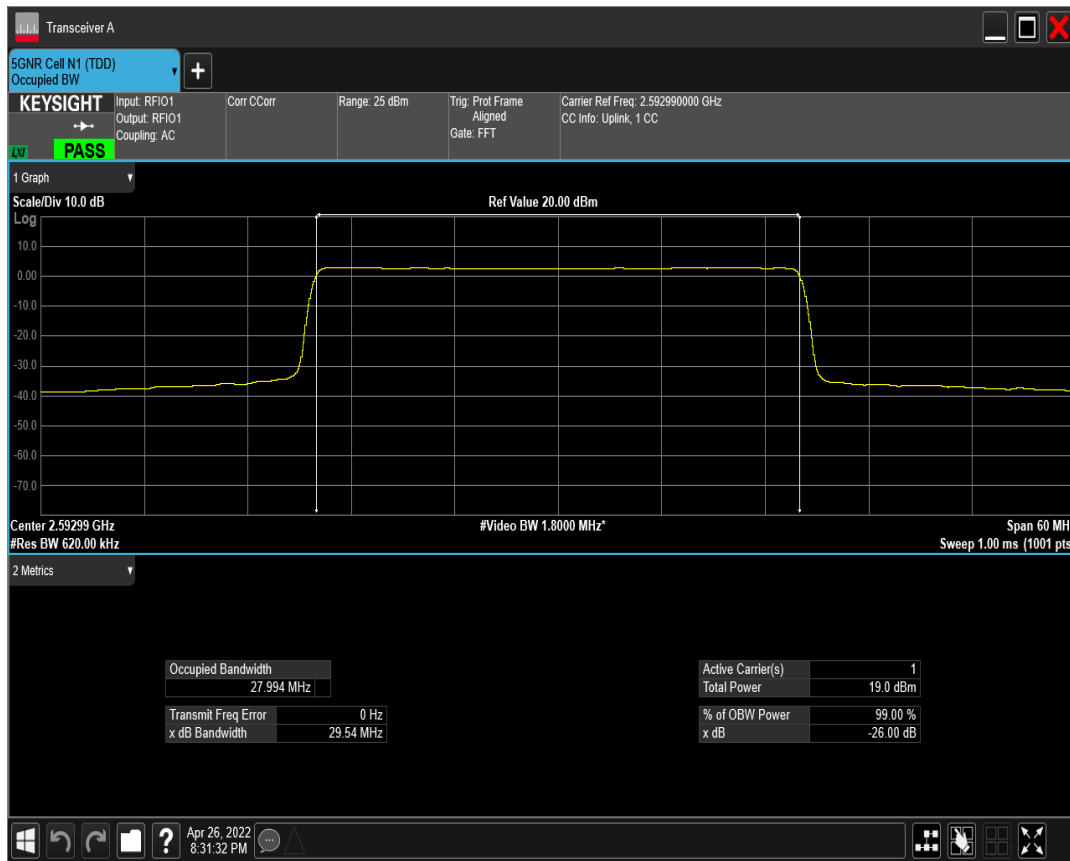


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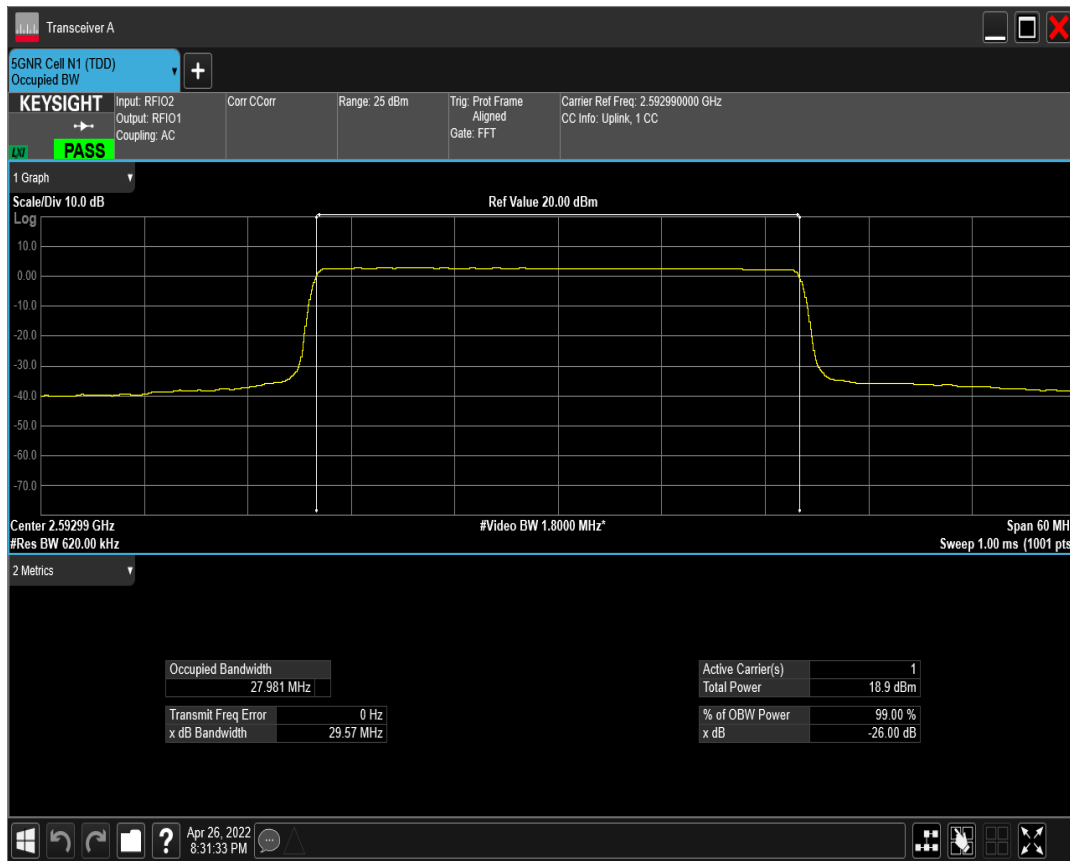




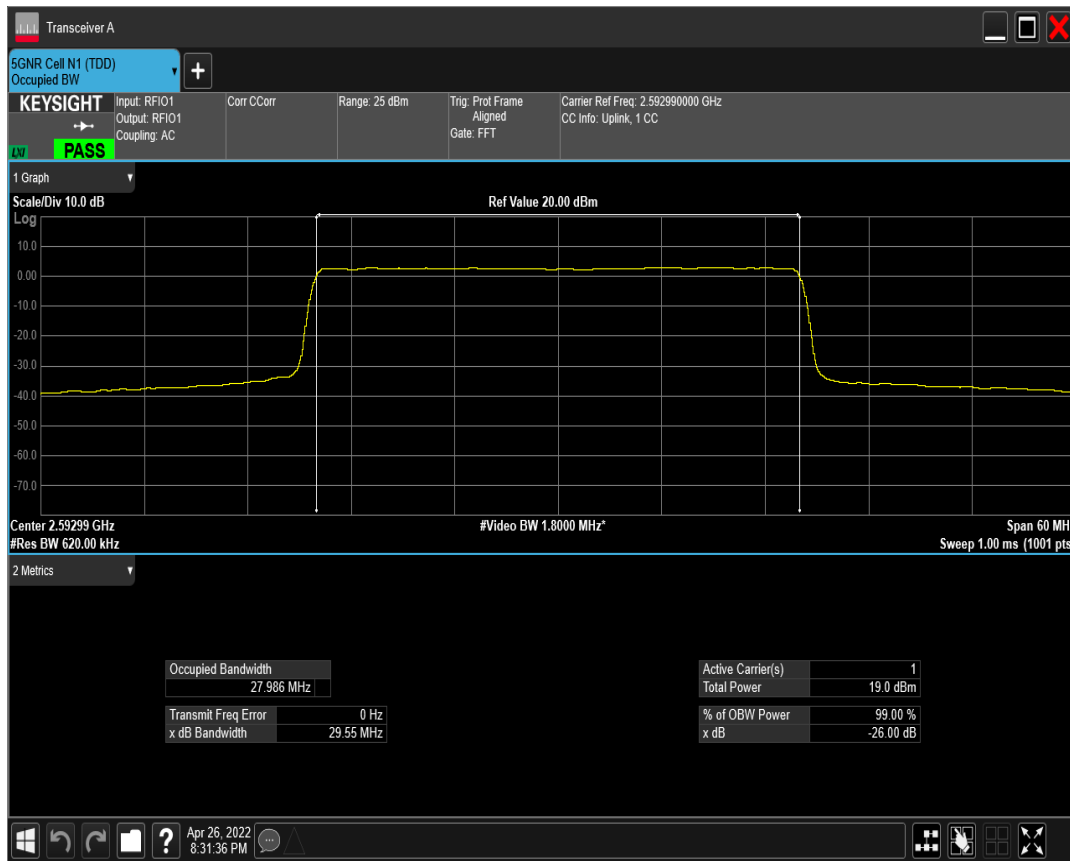
n41 SCS=30kHz CP_QPSK BW=30MHz Channel=518598 RB=78@0 ant1



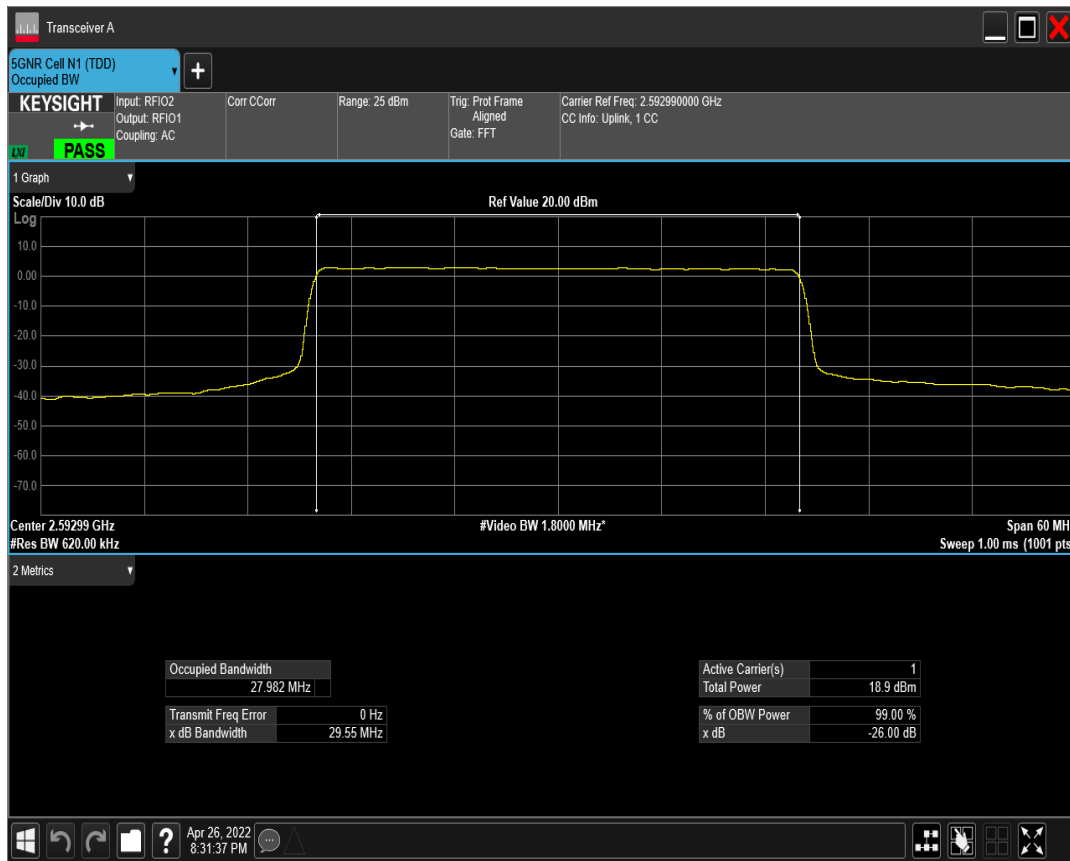
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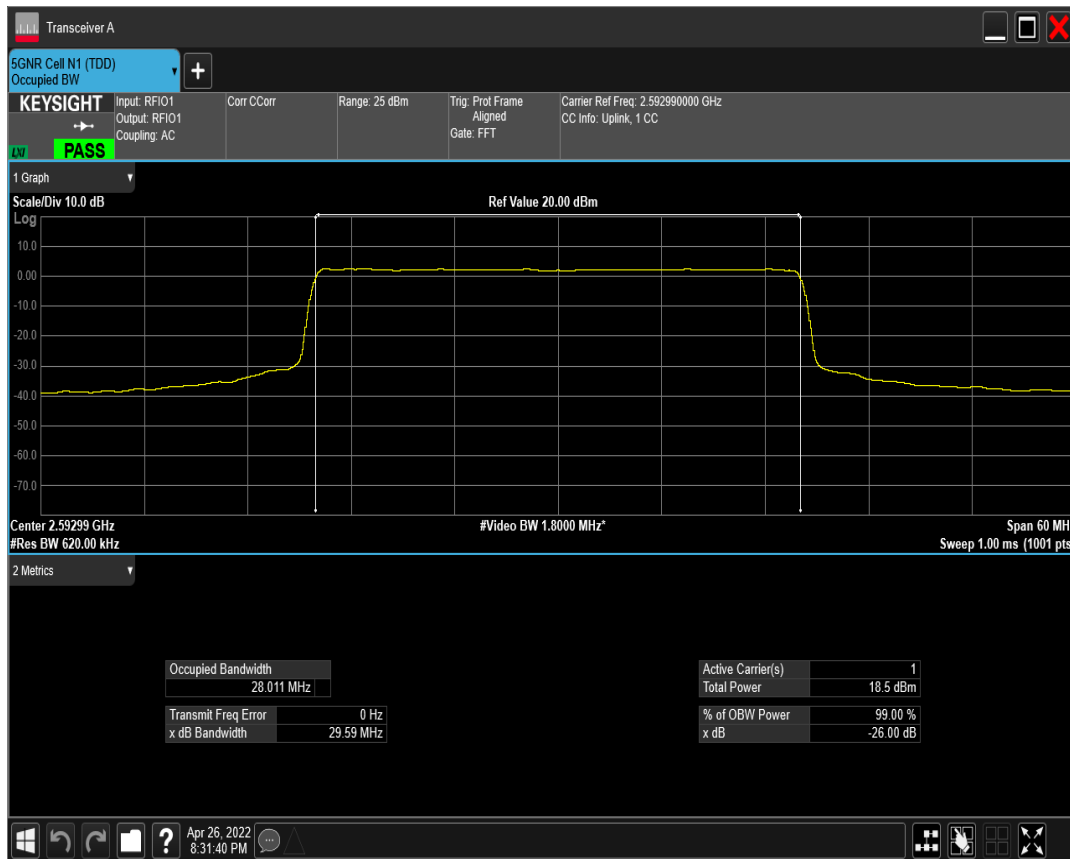
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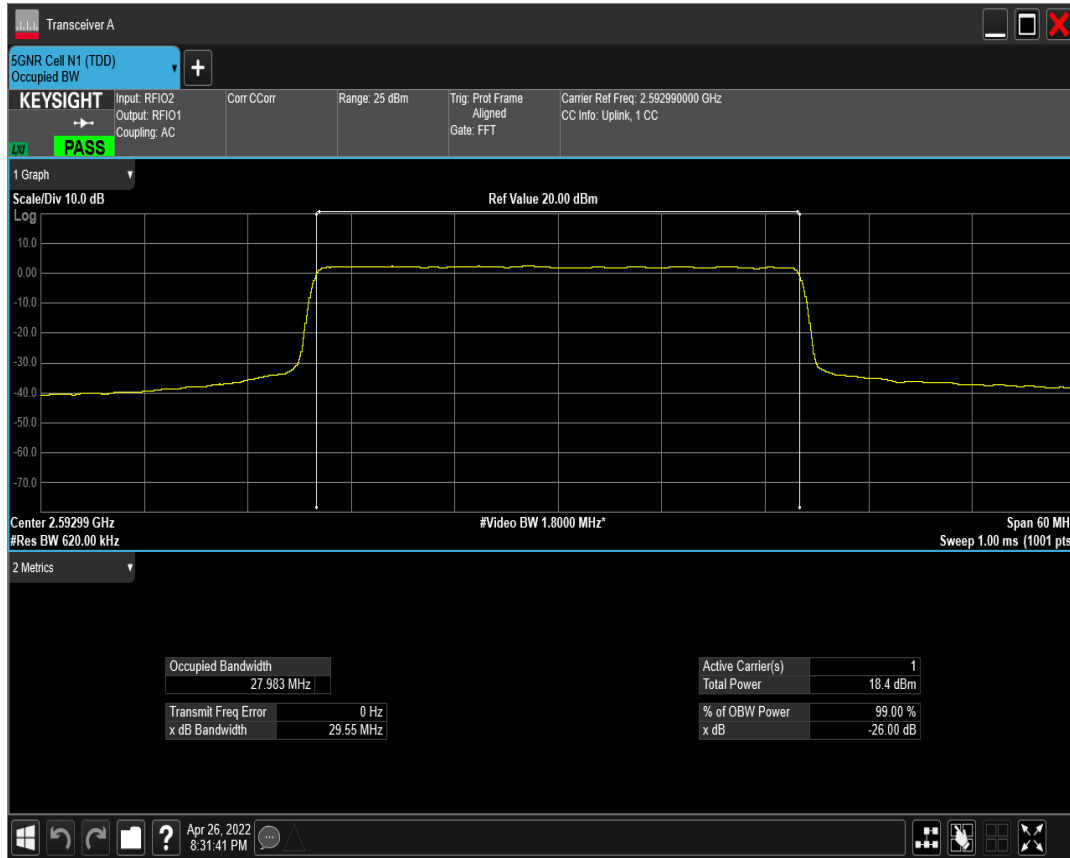
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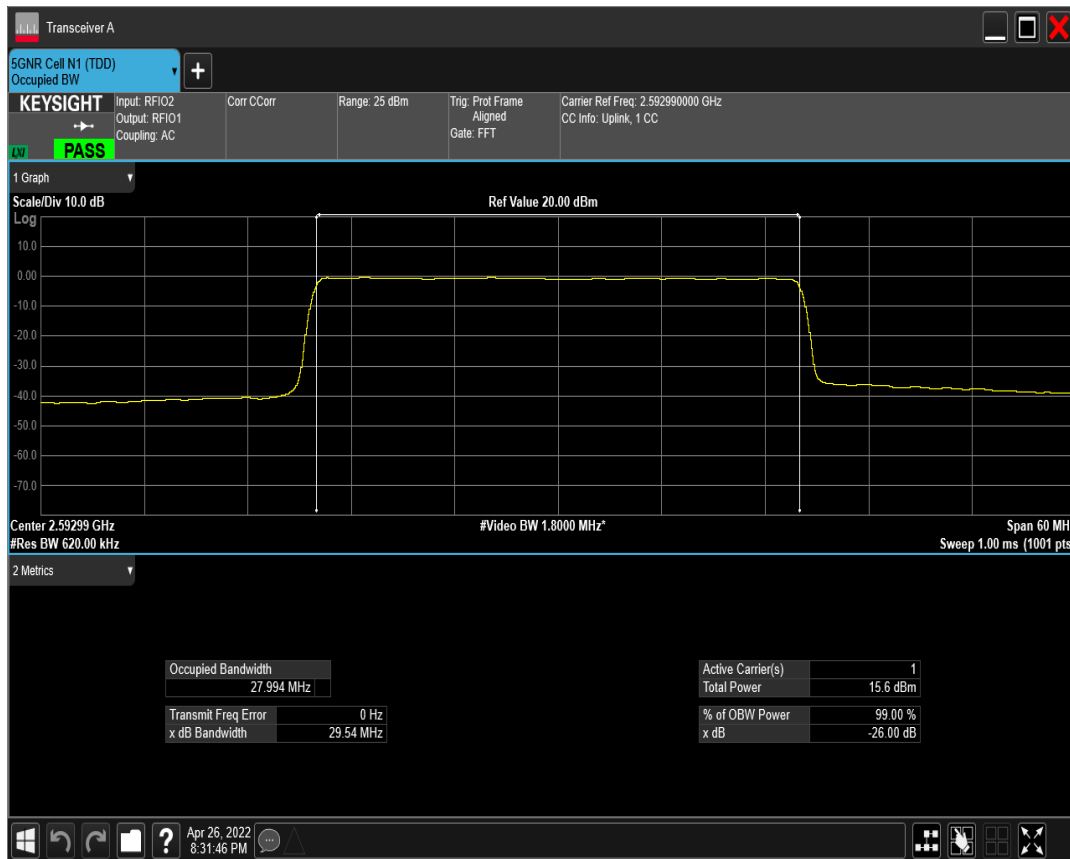
n41 SCS=30kHz CP_QAM64 BW=30MHz Channel=518598 RB=78@0 ant2



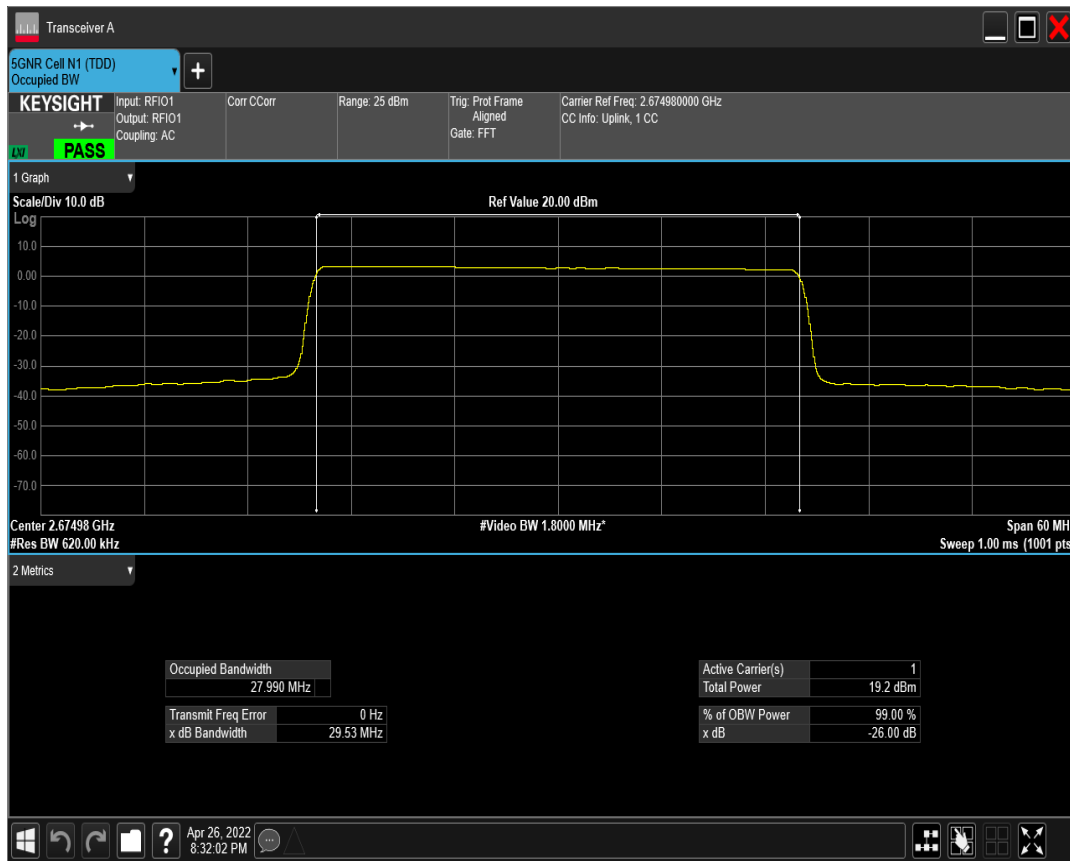
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n41 SCS=30kHz CP_QAM256 BW=30MHz Channel=518598 RB=78@0 ant2



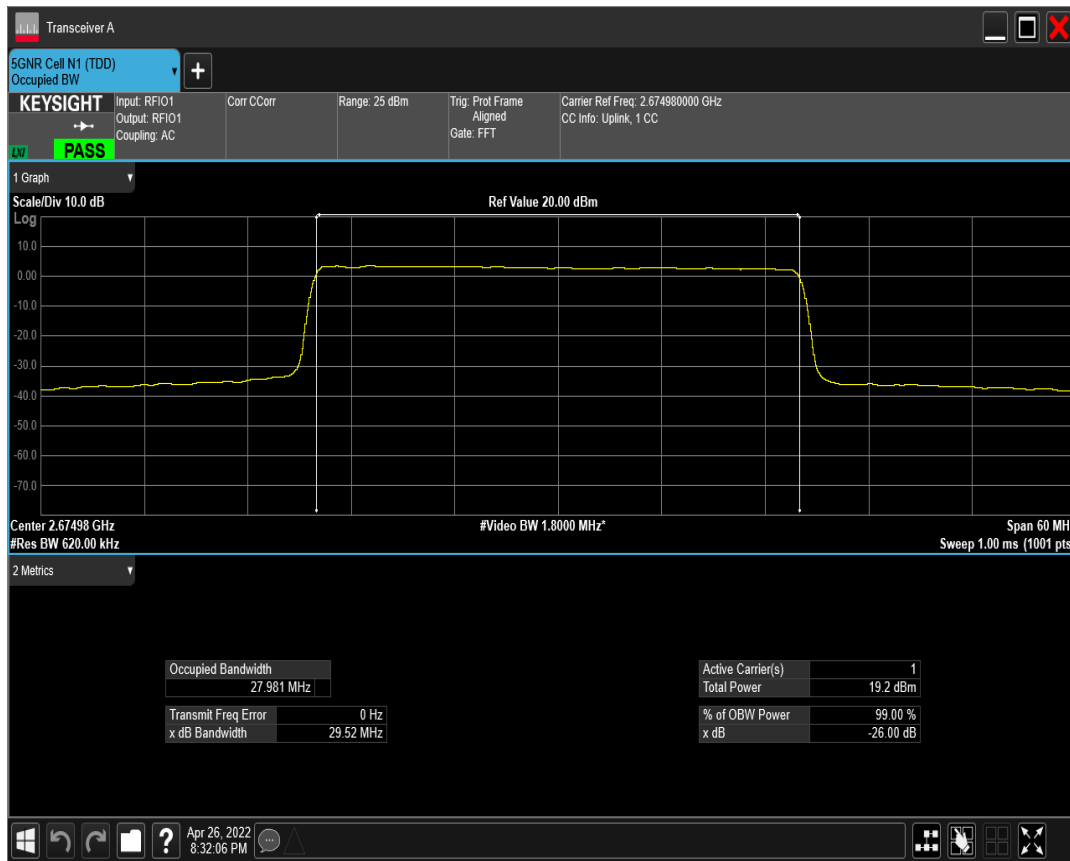
n41 SCS=30kHz CP_QPSK BW=30MHz Channel=534996 RB=78@0 ant1



n41 SCS=30kHz CP_QPSK BW=30MHz Channel=534996 RB=78@0 ant2



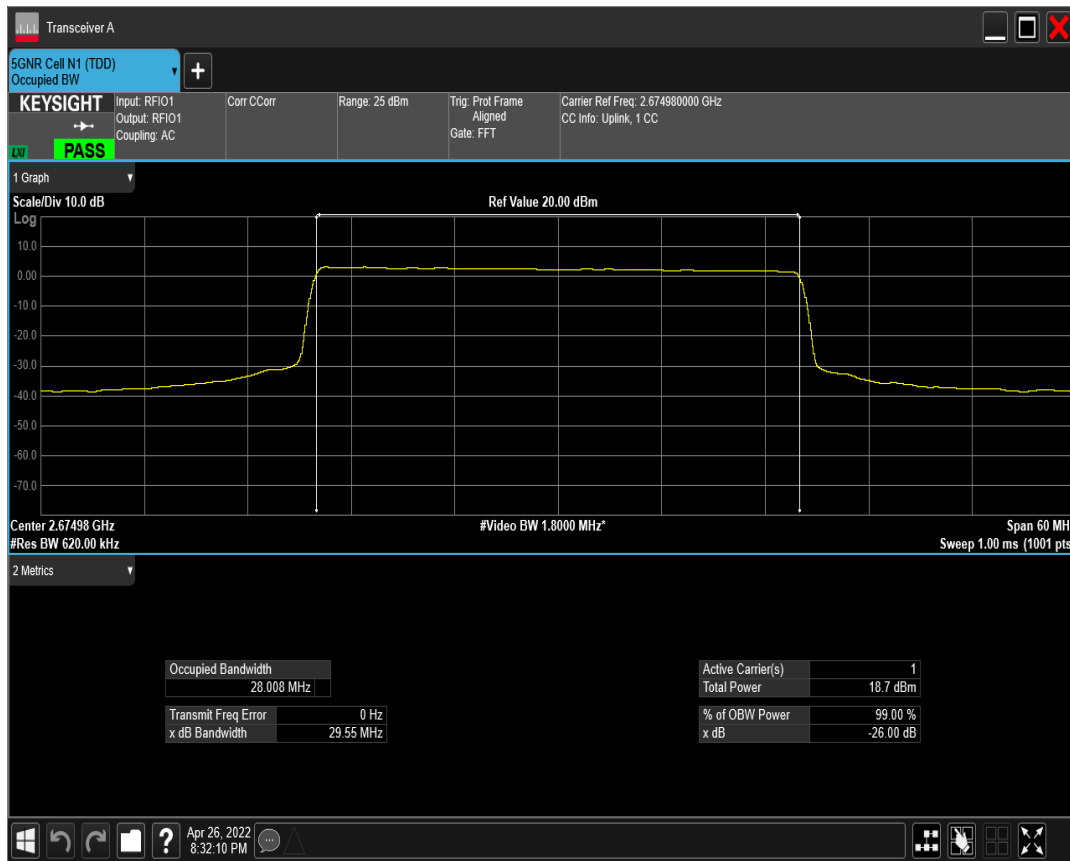
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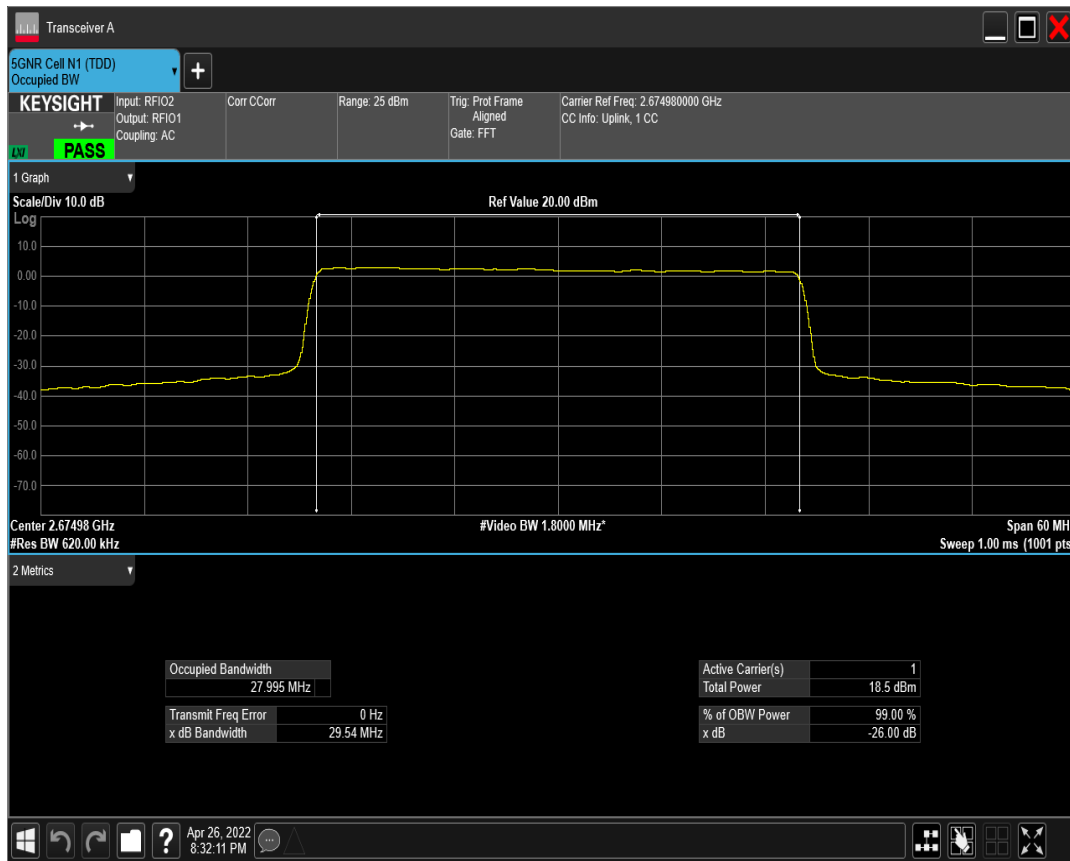
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n41 SCS=30kHz CP_QAM64 BW=30MHz Channel=534996 RB=78@0 ant1



n41 SCS=30kHz CP_QAM64 BW=30MHz Channel=534996 RB=78@0 ant2



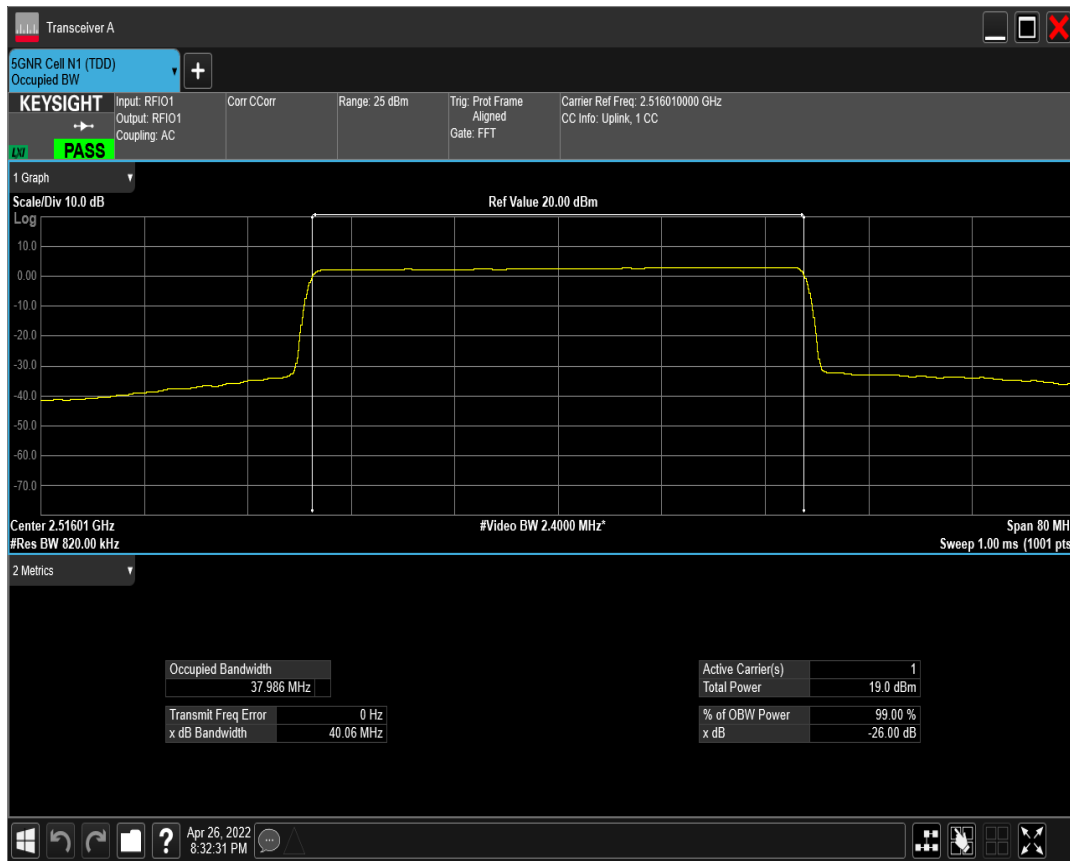
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n41 SCS=30kHz CP_QAM256 BW=30MHz Channel=534996 RB=78@0 ant2



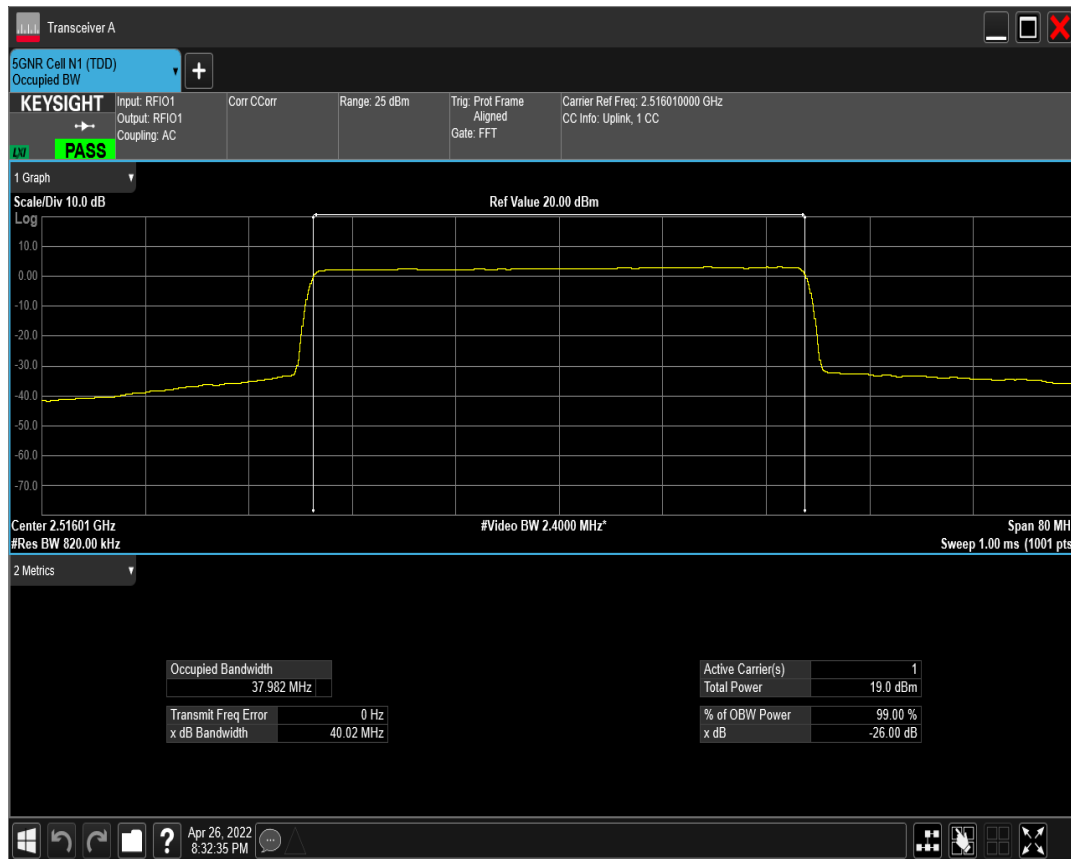
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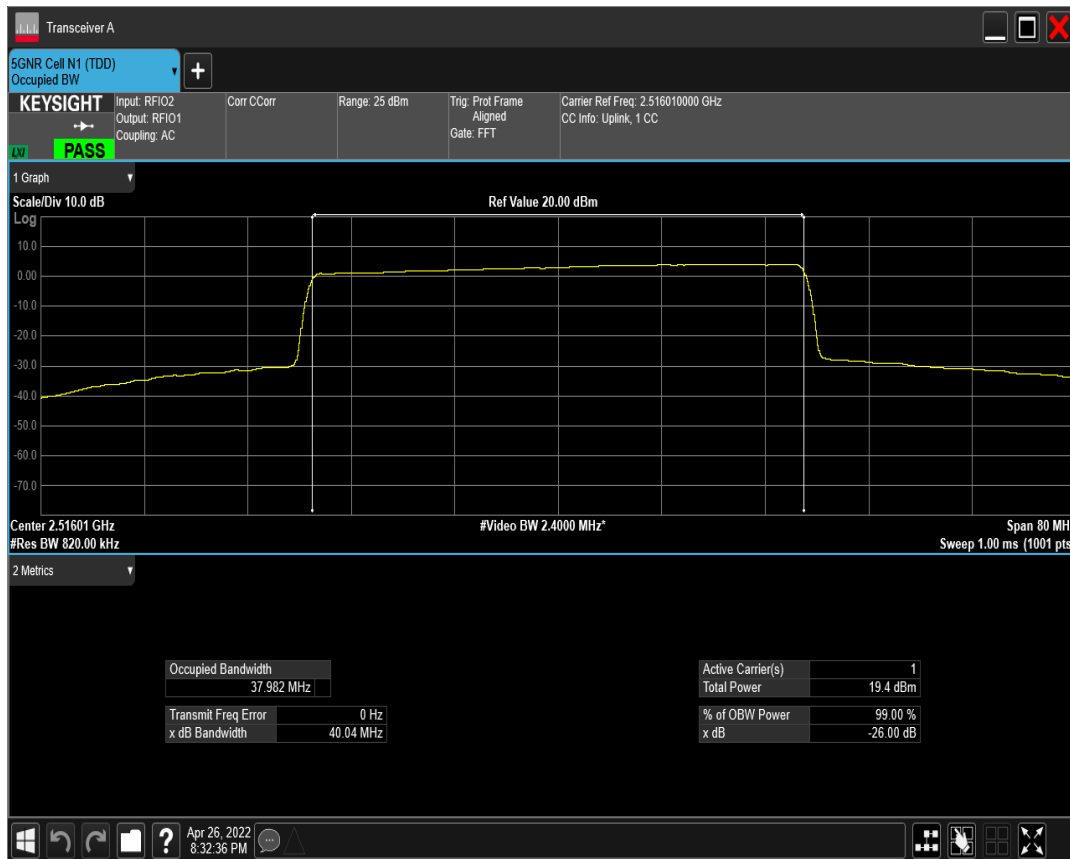
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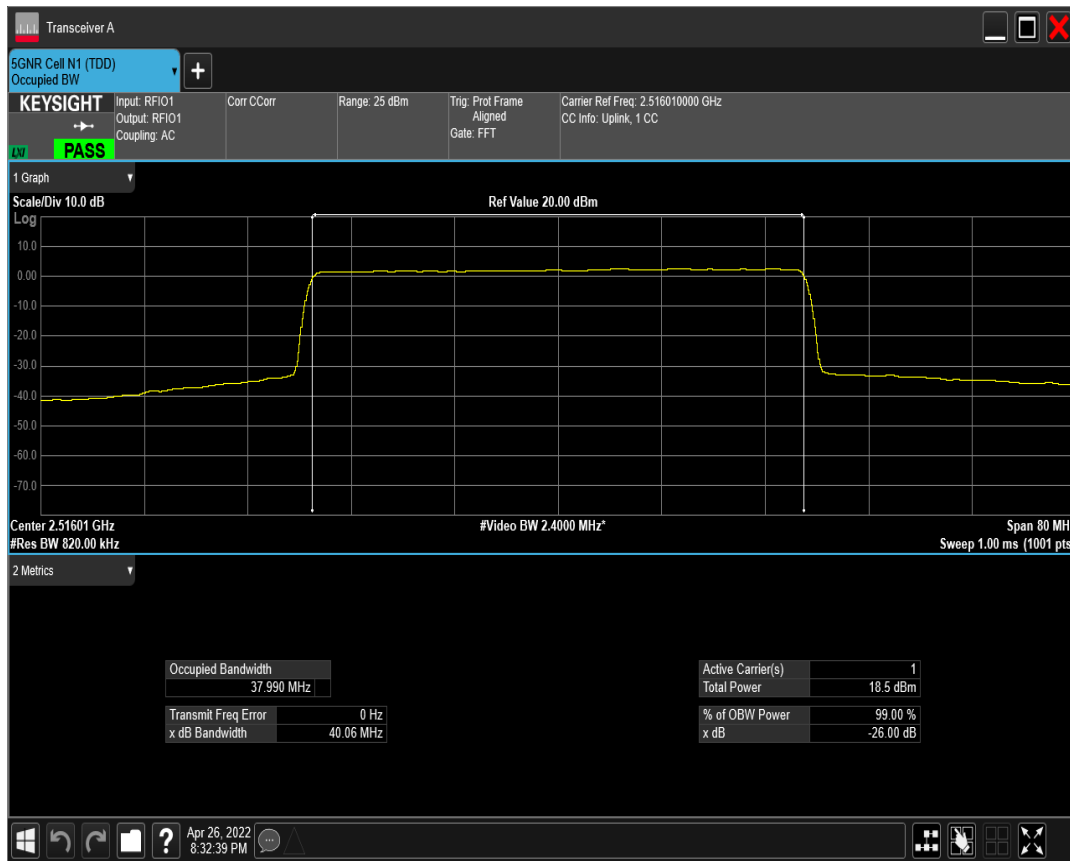
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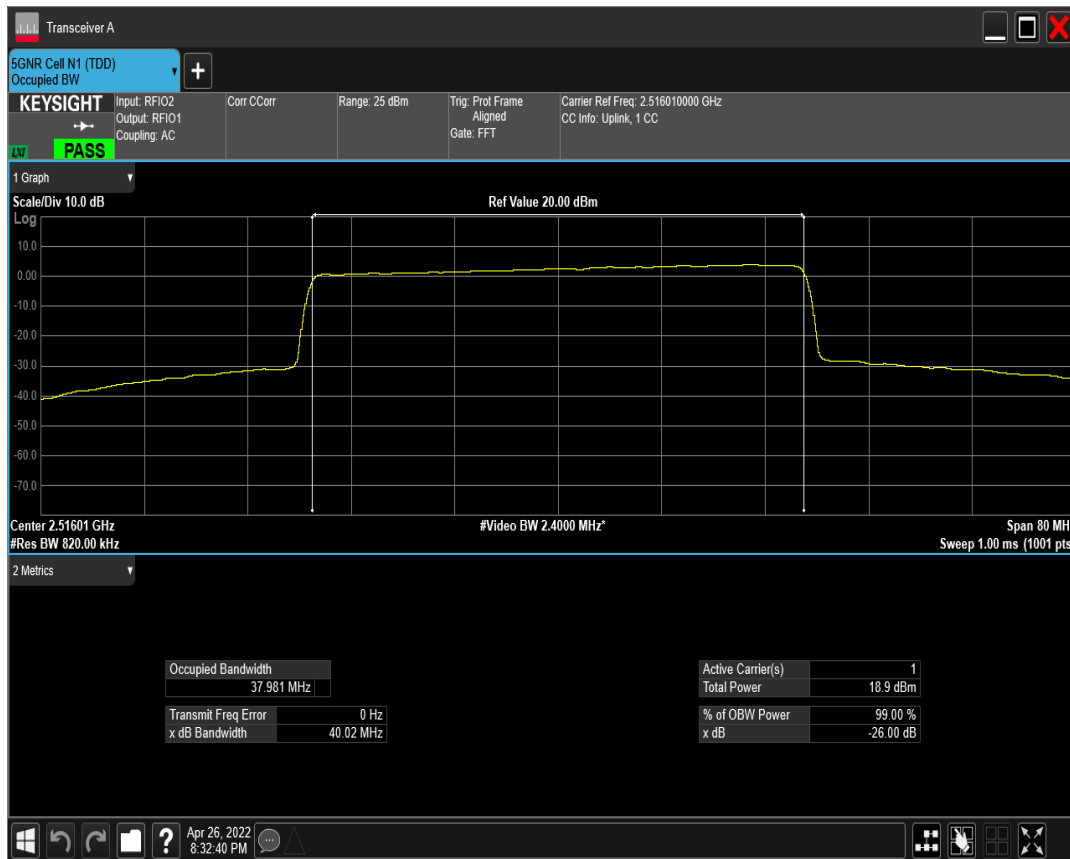
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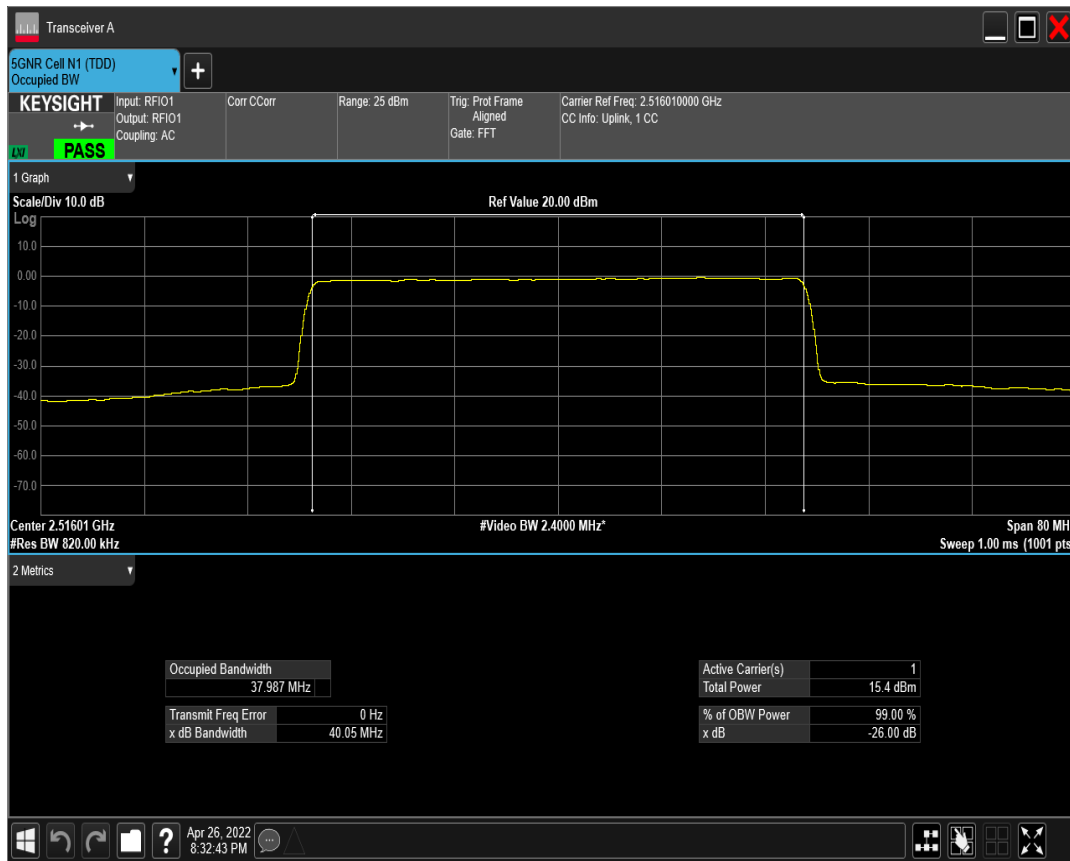
n41 SCS=30kHz CP_QAM64 BW=40MHz Channel=503202 RB=106@0 ant1



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