1 Conducted output power for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	EIRP(dBm)	Limit (dBm)	Verdict
n41	30	10	500202	1@1	DFT_BPSK	24.21	25.07	37	PASS
n41	30	10	500202	24@0	DFT_QPSK	23.41	24.27	37	PASS
n41	30	10	500202	12@6	DFT_QPSK	24.17	25.03	37	PASS
n41	30	10	500202	1@1	DFT_QPSK	24.14	25	37	PASS
n41	30	10	500202	1@22	DFT_QPSK	24.03	24.89	37	PASS
n41	30	10	500202	1@1	DFT_QAM16	23.32	24.18	37	PASS
n41	30	10	500202	1@1	DFT_QAM64	21.88	22.74	37	PASS
n41	30	10	500202	1@1	DFT_QAM256	21.76	22.62	37	PASS
n41	30	10	500202	1@1	CP_QPSK	23.93	24.79	37	PASS
n41	30	10	518598	1@1	DFT_BPSK	23.84	24.7	37	PASS
n41	30	10	518598	24@0	DFT_QPSK	22.43	23.29	37	PASS
n41	30	10	518598	12@6	DFT_QPSK	23.87	24.73	37	PASS
n41	30	10	518598	1@1	DFT_QPSK	23.73	24.59	37	PASS
n41	30	10	518598	1@22	DFT_QPSK	23.63	24.49	37	PASS
n41	30	10	518598	1@1	DFT_QAM16	23.60	24.46	37	PASS
n41	30	10	518598	1@1	DFT_QAM64	21.54	22.4	37	PASS
n41	30	10	518598	1@1	DFT_QAM256	19.35	20.21	37	PASS
n41	30	10	518598	1@1	CP_QPSK	23.72	24.58	37	PASS
n41	30	10	537000	1@1	DFT_BPSK	22.50	23.36	37	PASS
n41	30	10	537000	24@0	DFT_QPSK	21.00	21.86	37	PASS
n41	30	10	537000	12@6	DFT_QPSK	22.38	23.24	37	PASS
n41	30	10	537000	1@1	DFT_QPSK	22.49	23.35	37	PASS
n41	30	10	537000	1@22	DFT_QPSK	22.09	22.95	37	PASS
n41	30	10	537000	1@1	DFT_QAM16	22.12	22.98	37	PASS
n41	30	10	537000	1@1	DFT_QAM64	20.81	21.67	37	PASS
n41	30	10	537000	1@1	DFT_QAM256	18.00	18.86	37	PASS
n41	30	10	537000	1@1	CP_QPSK	22.58	23.44	37	PASS
n41	30	15	500700	1@1	DFT_BPSK	22.61	23.47	37	PASS
n41	30	15	500700	36@0	DFT_QPSK	21.32	22.18	37	PASS
n41	30	15	500700	18@9	DFT_QPSK	22.47	23.33	37	PASS
n41	30	15	500700	1@1	DFT_QPSK	22.65	23.51	37	PASS
n41	30	15	500700	1@36	DFT_QPSK	22.49	23.35	37	PASS
n41	30	15	500700	1@1	DFT_QAM16	22.12	22.98	37	PASS
n41	30	15	500700	1@1	DFT_QAM64	20.72	21.58	37	PASS
n41	30	15	500700	1@1	DFT_QAM256	18.46	19.32	37	PASS
n41	30	15	500700	1@1	CP_QPSK	22.45	23.31	37	PASS
n41	30	15	518598	1@1	DFT_BPSK	23.88	24.74	37	PASS
n41	30	15	518598	36@0	DFT_QPSK	22.44	23.3	37	PASS
n41	30	15	518598	18@9	DFT_QPSK	23.75	24.61	37	PASS
n41	30	15	518598	1@1	DFT_QPSK	23.89	24.75	37	PASS

n41	30	15	518598	1@36	DFT_QPSK	23.73	24.59	37	PASS
n41	30	15	518598	1@1	DFT_QAM16	23.47	24.33	37	PASS
n41	30	15	518598	1@1	DFT_QAM64	21.78	22.64	37	PASS
n41	30	15	518598	1@1	DFT_QAM256	19.12	19.98	37	PASS
n41	30	15	518598	1@1	CP_QPSK	23.92	24.78	37	PASS
n41	30	15	536496	1@1	DFT_BPSK	22.75	23.61	37	PASS
n41	30	15	536496	36@0	DFT_QPSK	21.20	22.06	37	PASS
n41	30	15	536496	18@9	DFT_QPSK	22.51	23.37	37	PASS
n41	30	15	536496	1@1	DFT_QPSK	22.82	23.68	37	PASS
n41	30	15	536496	1@36	DFT_QPSK	22.22	23.08	37	PASS
n41	30	15	536496	1@1	DFT_QAM16	22.40	23.26	37	PASS
n41	30	15	536496	1@1	DFT_QAM64	20.77	21.63	37	PASS
n41	30	15	536496	1@1	DFT_QAM256	18.79	19.65	37	PASS
n41	30	15	536496	1@1	CP_QPSK	22.77	23.63	37	PASS
n41	30	20	501204	1@1	DFT_BPSK	22.58	23.44	37	PASS
n41	30	20	501204	50@0	DFT_QPSK	21.22	22.08	37	PASS
n41	30	20	501204	25@12	DFT_QPSK	22.57	23.43	37	PASS
n41	30	20	501204	1@1	DFT_QPSK	22.53	23.39	37	PASS
n41	30	20	501204	1@49	DFT_QPSK	22.49	23.35	37	PASS
n41	30	20	501204	1@1	DFT_QAM16	22.36	23.22	37	PASS
n41	30	20	501204	1@1	DFT_QAM64	20.81	21.67	37	PASS
n41	30	20	501204	1@1	DFT_QAM256	18.38	19.24	37	PASS
n41	30	20	501204	1@1	CP_QPSK	22.34	23.2	37	PASS
n41	30	20	518598	1@1	DFT_BPSK	23.68	24.54	37	PASS
n41	30	20	518598	50@0	DFT_QPSK	22.35	23.21	37	PASS
n41	30	20	518598	25@12	DFT_QPSK	23.80	24.66	37	PASS
n41	30	20	518598	1@1	DFT_QPSK	23.61	24.47	37	PASS
n41	30	20	518598	1@49	DFT_QPSK	23.36	24.22	37	PASS
n41	30	20	518598	1@1	DFT_QAM16	23.23	24.09	37	PASS
n41	30	20	518598	1@1	DFT_QAM64	21.56	22.42	37	PASS
n41	30	20	518598	1@1	DFT_QAM256	18.75	19.61	37	PASS
n41	30	20	518598	1@1	CP_QPSK	23.64	24.5	37	PASS
n41	30	20	535998	1@1	DFT_BPSK	22.86	23.72	37	PASS
n41	30	20	535998	50@0	DFT_QPSK	21.17	22.03	37	PASS
n41	30	20	535998	25@12	DFT_QPSK	22.68	23.54	37	PASS
n41	30	20	535998	1@1	DFT_QPSK	22.78	23.64	37	PASS
n41	30	20	535998	1@49	DFT_QPSK	22.01	22.87	37	PASS
n41	30	20	535998	1@1	DFT_QAM16	22.57	23.43	37	PASS
n41	30	20	535998	1@1	DFT_QAM64	21.17	22.03	37	PASS
n41	30	20	535998	1@1	DFT_QAM256	18.36	19.22	37	PASS
n41	30	20	535998	1@1	CP_QPSK	22.80	23.66	37	PASS
n41	30	40	503202	1@1	DFT_BPSK	22.19	23.05	37	PASS
n41	30	40	503202	100@0	DFT_QPSK	21.22	22.08	37	PASS
n41	30	40	503202	50@25	DFT_QPSK	22.56	23.42	37	PASS

n41	30	40	503202	1@1	DFT_QPSK	22.22	23.08	37	PASS
n41	30	40	503202	1@104	DFT_QPSK	22.72	23.58	37	PASS
n41	30	40	503202	1@1	DFT_QAM16	21.91	22.77	37	PASS
n41	30	40	503202	1@1	DFT_QAM64	20.78	21.64	37	PASS
n41	30	40	503202	1@1	DFT_QAM256	18.22	19.08	37	PASS
n41	30	40	503202	1@1	CP_QPSK	22.18	23.04	37	PASS
n41	30	40	518598	1@1	DFT_BPSK	23.24	24.1	37	PASS
n41	30	40	518598	100@0	DFT_QPSK	21.96	22.82	37	PASS
n41	30	40	518598	50@25	DFT_QPSK	23.47	24.33	37	PASS
n41	30	40	518598	1@1	DFT_QPSK	23.34	24.2	37	PASS
n41	30	40	518598	1@104	DFT_QPSK	22.64	23.5	37	PASS
n41	30	40	518598	1@1	DFT_QAM16	23.05	23.91	37	PASS
n41	30	40	518598	1@1	DFT_QAM64	21.60	22.46	37	PASS
n41	30	40	518598	1@1	DFT_QAM256	18.93	19.79	37	PASS
n41	30	40	518598	1@1	CP_QPSK	23.30	24.16	37	PASS
n41	30	40	534000	1@1	DFT_BPSK	22.07	22.93	37	PASS
n41	30	40	534000	100@0	DFT_QPSK	20.94	21.8	37	PASS
n41	30	40	534000	50@25	DFT_QPSK	22.53	23.39	37	PASS
n41	30	40	534000	1@1	DFT_QPSK	22.22	23.08	37	PASS
n41	30	40	534000	1@104	DFT_QPSK	21.43	22.29	37	PASS
n41	30	40	534000	1@1	DFT_QAM16	21.85	22.71	37	PASS
n41	30	40	534000	1@1	DFT_QAM64	19.98	20.84	37	PASS
n41	30	40	534000	1@1	DFT_QAM256	17.20	18.06	37	PASS
n41	30	40	534000	1@1	CP_QPSK	22.22	23.08	37	PASS
n41	30	50	504204	1@1	DFT_BPSK	22.36	23.22	37	PASS
n41	30	50	504204	128@0	DFT_QPSK	21.43	22.29	37	PASS
n41	30	50	504204	64@32	DFT_QPSK	22.72	23.58	37	PASS
n41	30	50	504204	1@1	DFT_QPSK	22.50	23.36	37	PASS
n41	30	50	504204	1@131	DFT_QPSK	23.48	24.34	37	PASS
n41	30	50	504204	1@1	DFT_QAM16	21.94	22.8	37	PASS
n41	30	50	504204	1@1	DFT_QAM64	20.51	21.37	37	PASS
n41	30	50	504204	1@1	DFT_QAM256	18.90	19.76	37	PASS
n41	30	50	504204	1@1	CP_QPSK	22.34	23.2	37	PASS
n41	30	50	518598	1@1	DFT_BPSK	23.46	24.32	37	PASS
n41	30	50	518598	128@0	DFT_QPSK	21.81	22.67	37	PASS
n41	30	50	518598	64@32	DFT_QPSK	23.37	24.23	37	PASS
n41	30	50	518598	1@1	DFT_QPSK	23.37	24.23	37	PASS
n41	30	50	518598	1@131	DFT_QPSK	22.44	23.3	37	PASS
n41	30	50	518598	1@1	DFT_QAM16	23.03	23.89	37	PASS
n41	30	50	518598	1@1	DFT_QAM64	21.78	22.64	37	PASS
n41	30	50	518598	1@1	DFT_QAM256	18.74	19.6	37	PASS
n41	30	50	518598	1@1	CP_QPSK	23.42	24.28	37	PASS
n41	30	50	532998	1@1	DFT_BPSK	22.73	23.59	37	PASS
n41	30	50	532998	128@0	DFT_QPSK	21.24	22.1	37	PASS

n41	30	50	532998	64@32	DFT_QPSK	22.87	23.73	37	PASS
n41	30	50	532998	1@1	DFT_QPSK	22.69	23.55	37	PASS
n41	30	50	532998	1@131	DFT_QPSK	21.89	22.75	37	PASS
n41	30	50	532998	1@1	DFT_QAM16	21.92	22.78	37	PASS
n41	30	50	532998	1@1	DFT_QAM64	20.28	21.14	37	PASS
n41	30	50	532998	1@1	DFT_QAM256	18.13	18.99	37	PASS
n41	30	50	532998	1@1	CP_QPSK	22.57	23.43	37	PASS
n41	30	60	505200	1@1	DFT_BPSK	22.24	23.1	37	PASS
n41	30	60	505200	162@0	DFT_QPSK	21.71	22.57	37	PASS
n41	30	60	505200	81@40	DFT_QPSK	22.86	23.72	37	PASS
n41	30	60	505200	1@1	DFT_QPSK	22.29	23.15	37	PASS
n41	30	60	505200	1@160	DFT_QPSK	23.69	24.55	37	PASS
n41	30	60	505200	1@1	DFT_QAM16	22.12	22.98	37	PASS
n41	30	60	505200	1@1	DFT_QAM64	20.78	21.64	37	PASS
n41	30	60	505200	1@1	DFT_QAM256	18.16	19.02	37	PASS
n41	30	60	505200	1@1	CP_QPSK	22.32	23.18	37	PASS
n41	30	60	518598	1@1	DFT_BPSK	23.32	24.18	37	PASS
n41	30	60	518598	162@0	DFT_QPSK	21.69	22.55	37	PASS
n41	30	60	518598	81@40	DFT_QPSK	23.12	23.98	37	PASS
n41	30	60	518598	1@1	DFT_QPSK	23.26	24.12	37	PASS
n41	30	60	518598	1@160	DFT_QPSK	22.41	23.27	37	PASS
n41	30	60	518598	1@1	DFT_QAM16	23.02	23.88	37	PASS
n41	30	60	518598	1@1	DFT_QAM64	21.07	21.93	37	PASS
n41	30	60	518598	1@1	DFT_QAM256	18.43	19.29	37	PASS
n41	30	60	518598	1@1	CP_QPSK	23.15	24.01	37	PASS
n41	30	60	531996	1@1	DFT_BPSK	22.84	23.7	37	PASS
n41	30	60	531996	162@0	DFT_QPSK	21.51	22.37	37	PASS
n41	30	60	531996	81@40	DFT_QPSK	23.14	24	37	PASS
n41	30	60	531996	1@1	DFT_QPSK	22.73	23.59	37	PASS
n41	30	60	531996	1@160	DFT_QPSK	22.17	23.03	37	PASS
n41	30	60	531996	1@1	DFT_QAM16	22.54	23.4	37	PASS
n41	30	60	531996	1@1	DFT_QAM64	20.94	21.8	37	PASS
n41	30	60	531996	1@1	DFT_QAM256	18.76	19.62	37	PASS
n41	30	60	531996	1@1	CP_QPSK	22.78	23.64	37	PASS
n41	30	80	507204	1@1	DFT_BPSK	22.36	23.22	37	PASS
n41	30	80	507204	216@0	DFT_QPSK	21.77	22.63	37	PASS
n41	30	80	507204	108@54	DFT_QPSK	23.29	24.15	37	PASS
n41	30	80	507204	1@1	DFT_QPSK	22.39	23.25	37	PASS
n41	30	80	507204	1@215	DFT_QPSK	23.30	24.16	37	PASS
n41	30	80	507204	1@1	DFT_QAM16	21.94	22.8	37	PASS
n41	30	80	507204	1@1	DFT_QAM64	20.56	21.42	37	PASS
n41	30	80	507204	1@1	DFT_QAM256	18.57	19.43	37	PASS
n41	30	80	507204	1@1	CP_QPSK	22.14	23	37	PASS
n41	30	80	518598	1@1	DFT_BPSK	22.96	23.82	37	PASS

n41	30	80	518598	216@0	DFT_QPSK	21.29	22.15	37	PASS
n41	30	80	518598	108@54	DFT_QPSK	22.66	23.52	37	PASS
n41	30	80	518598	1@1	DFT_QPSK	22.90	23.76	37	PASS
n41	30	80	518598	1@215	DFT_QPSK	22.20	23.06	37	PASS
n41	30	80	518598	1@1	DFT_QAM16	22.39	23.25	37	PASS
n41	30	80	518598	1@1	DFT_QAM64	20.78	21.64	37	PASS
n41	30	80	518598	1@1	DFT_QAM256	18.40	19.26	37	PASS
n41	30	80	518598	1@1	CP_QPSK	22.99	23.85	37	PASS
n41	30	80	529998	1@1	DFT_BPSK	22.69	23.55	37	PASS
n41	30	80	529998	216@0	DFT_QPSK	21.97	22.83	37	PASS
n41	30	80	529998	108@54	DFT_QPSK	23.58	24.44	37	PASS
n41	30	80	529998	1@1	DFT_QPSK	22.84	23.7	37	PASS
n41	30	80	529998	1@215	DFT_QPSK	22.36	23.22	37	PASS
n41	30	80	529998	1@1	DFT_QAM16	22.63	23.49	37	PASS
n41	30	80	529998	1@1	DFT_QAM64	20.37	21.23	37	PASS
n41	30	80	529998	1@1	DFT_QAM256	18.26	19.12	37	PASS
n41	30	80	529998	1@1	CP_QPSK	22.67	23.53	37	PASS
n41	30	90	508200	1@1	DFT_BPSK	22.12	22.98	37	PASS
n41	30	90	508200	240@0	DFT_QPSK	21.62	22.48	37	PASS
n41	30	90	508200	120@60	DFT_QPSK	23.25	24.11	37	PASS
n41	30	90	508200	1@1	DFT_QPSK	21.91	22.77	37	PASS
n41	30	90	508200	1@243	DFT_QPSK	23.06	23.92	37	PASS
n41	30	90	508200	1@1	DFT_QAM16	21.80	22.66	37	PASS
n41	30	90	508200	1@1	DFT_QAM64	20.46	21.32	37	PASS
n41	30	90	508200	1@1	DFT_QAM256	17.82	18.68	37	PASS
n41	30	90	508200	1@1	CP_QPSK	21.90	22.76	37	PASS
n41	30	90	518598	1@1	DFT_BPSK	22.56	23.42	37	PASS
n41	30	90	518598	240@0	DFT_QPSK	21.12	21.98	37	PASS
n41	30	90	518598	120@60	DFT_QPSK	22.49	23.35	37	PASS
n41	30	90	518598	1@1	DFT_QPSK	22.56	23.42	37	PASS
n41	30	90	518598	1@243	DFT_QPSK	21.94	22.8	37	PASS
n41	30	90	518598	1@1	DFT_QAM16	22.00	22.86	37	PASS
n41	30	90	518598	1@1	DFT_QAM64	20.67	21.53	37	PASS
n41	30	90	518598	1@1	DFT_QAM256	18.95	19.81	37	PASS
n41	30	90	518598	1@1	CP_QPSK	22.63	23.49	37	PASS
n41	30	90	528996	1@1	DFT_BPSK	23.03	23.89	37	PASS
n41	30	90	528996	240@0	DFT_QPSK	21.95	22.81	37	PASS
n41	30	90	528996	120@60	DFT_QPSK	23.51	24.37	37	PASS
n41	30	90	528996	1@1	DFT_QPSK	22.95	23.81	37	PASS
n41	30	90	528996	1@243	DFT_QPSK	22.21	23.07	37	PASS
n41	30	90	528996	1@1	DFT_QAM16	22.79	23.65	37	PASS
n41	30	90	528996	1@1	DFT_QAM64	20.69	21.55	37	PASS
n41	30	90	528996	1@1	DFT_QAM256	18.95	19.81	37	PASS
n41	30	90	528996	1@1	CP_QPSK	23.11	23.97	37	PASS

n41	30	100	509202	1@1	DFT_BPSK	21.71	22.57	37	PASS
n41	30	100	509202	270@0	DFT_QPSK	21.62	22.48	37	PASS
n41	30	100	509202	135@67	DFT_QPSK	23.40	24.26	37	PASS
n41	30	100	509202	1@1	DFT_QPSK	21.65	22.51	37	PASS
n41	30	100	509202	1@271	DFT_QPSK	22.65	23.51	37	PASS
n41	30	100	509202	1@1	DFT_QAM16	21.49	22.35	37	PASS
n41	30	100	509202	1@1	DFT_QAM64	19.66	20.52	37	PASS
n41	30	100	509202	1@1	DFT_QAM256	18.41	19.27	37	PASS
n41	30	100	509202	1@1	CP_QPSK	21.66	22.52	37	PASS
n41	30	100	518598	1@1	DFT_BPSK	22.08	22.94	37	PASS
n41	30	100	518598	270@0	DFT_QPSK	21.14	22	37	PASS
n41	30	100	518598	135@67	DFT_QPSK	22.48	23.34	37	PASS
n41	30	100	518598	1@1	DFT_QPSK	22.08	22.94	37	PASS
n41	30	100	518598	1@271	DFT_QPSK	21.69	22.55	37	PASS
n41	30	100	518598	1@1	DFT_QAM16	21.79	22.65	37	PASS
n41	30	100	518598	1@1	DFT_QAM64	19.79	20.65	37	PASS
n41	30	100	518598	1@1	DFT_QAM256	16.93	17.79	37	PASS
n41	30	100	518598	1@1	CP_QPSK	21.98	22.84	37	PASS
n41	30	100	528000	1@1	DFT_BPSK	22.88	23.74	37	PASS
n41	30	100	528000	270@0	DFT_QPSK	21.82	22.68	37	PASS
n41	30	100	528000	135@67	DFT_QPSK	23.41	24.27	37	PASS
n41	30	100	528000	1@1	DFT_QPSK	22.96	23.82	37	PASS
n41	30	100	528000	1@271	DFT_QPSK	22.06	22.92	37	PASS
n41	30	100	528000	1@1	DFT_QAM16	22.39	23.25	37	PASS
n41	30	100	528000	1@1	DFT_QAM64	21.09	21.95	37	PASS
n41	30	100	528000	1@1	DFT_QAM256	18.36	19.22	37	PASS
n41	30	100	528000	1@1	CP_QPSK	22.97	23.83	37	PASS

Note: EIRP = Conducted output power + Ant Gain

2 Frequency stability for NR FR1

NT:

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Voltage (Vdc)	Result (Hz)	Result (ppm)	Limit (ppm)	Verdict
n41	30	100	518598	135@67	DFT_BPSK	3.87	-9.74	0.00	Within authorized band for 5G NR n41	PASS
n41	30	100	518598	135@67	DFT_BPSK	3.50	-4.78	0.00		PASS
n41	30	100	518598	135@67	DFT_BPSK	4.45	-1.65	0.00		PASS
n41	30	100	518598	135@67	DFT_QPSK	3.87	-5.98	0.00		PASS
n41	30	100	518598	135@67	DFT_QPSK	3.50	-12.07	0.00		PASS
n41	30	100	518598	135@67	DFT_QPSK	4.45	-13.36	-0.01		PASS

Note: Only the worst case shown in the report.

NV:

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Temperature(℃)	Result (Hz)	Result (ppm)	Limit (ppm)	Verdict
n41	30	100	518598	135@67	DFT_BPSK	-30	-0.74	0.00	Within authorized band for 5G NR n41	PASS
n41	30	100	518598	135@67	DFT_BPSK	-20	-6.25	0.00		PASS
n41	30	100	518598	135@67	DFT_BPSK	-10	-2.56	0.00		PASS
n41	30	100	518598	135@67	DFT_BPSK	0	-2.80	0.00		PASS
n41	30	100	518598	135@67	DFT_BPSK	10	-5.76	0.00		PASS
n41	30	100	518598	135@67	DFT_BPSK	20	-4.51	0.00		PASS
n41	30	100	518598	135@67	DFT_BPSK	30	-0.80	0.00		PASS
n41	30	100	518598	135@67	DFT_BPSK	40	-7.18	0.00		PASS
n41	30	100	518598	135@67	DFT_BPSK	50	-6.37	0.00		PASS
n41	30	100	518598	135@67	DFT_QPSK	-30	-2.59	0.00		PASS
n41	30	100	518598	135@67	DFT_QPSK	-20	-8.60	0.00		PASS
n41	30	100	518598	135@67	DFT_QPSK	-10	-2.16	0.00		PASS
n41	30	50	518598	135@67	DFT_BPSK	0	-13.63	-0.01		PASS
n41	30	50	518598	135@67	DFT_BPSK	10	-6.67	0.00		PASS
n41	30	50	518598	135@67	DFT_BPSK	20	-11.61	0.00		PASS
n41	30	50	518598	135@67	DFT_QPSK	30	-10.93	0.00		PASS
n41	30	50	518598	135@67	DFT_QPSK	40	-7.39	0.00		PASS
n41	30	50	518598	135@67	DFT_QPSK	50	-13.72	-0.01		PASS

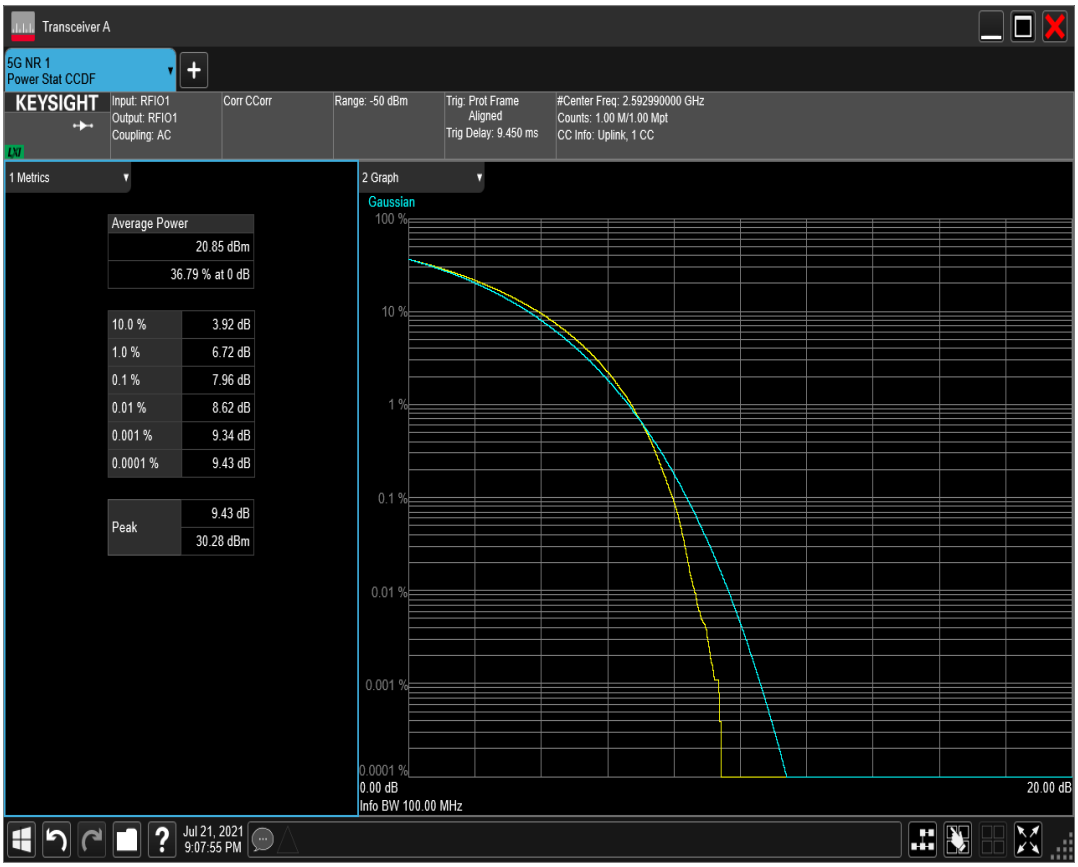
Note: Only the worst case shown in the report.

3 Peak-to-Average Ratio for NR FR1

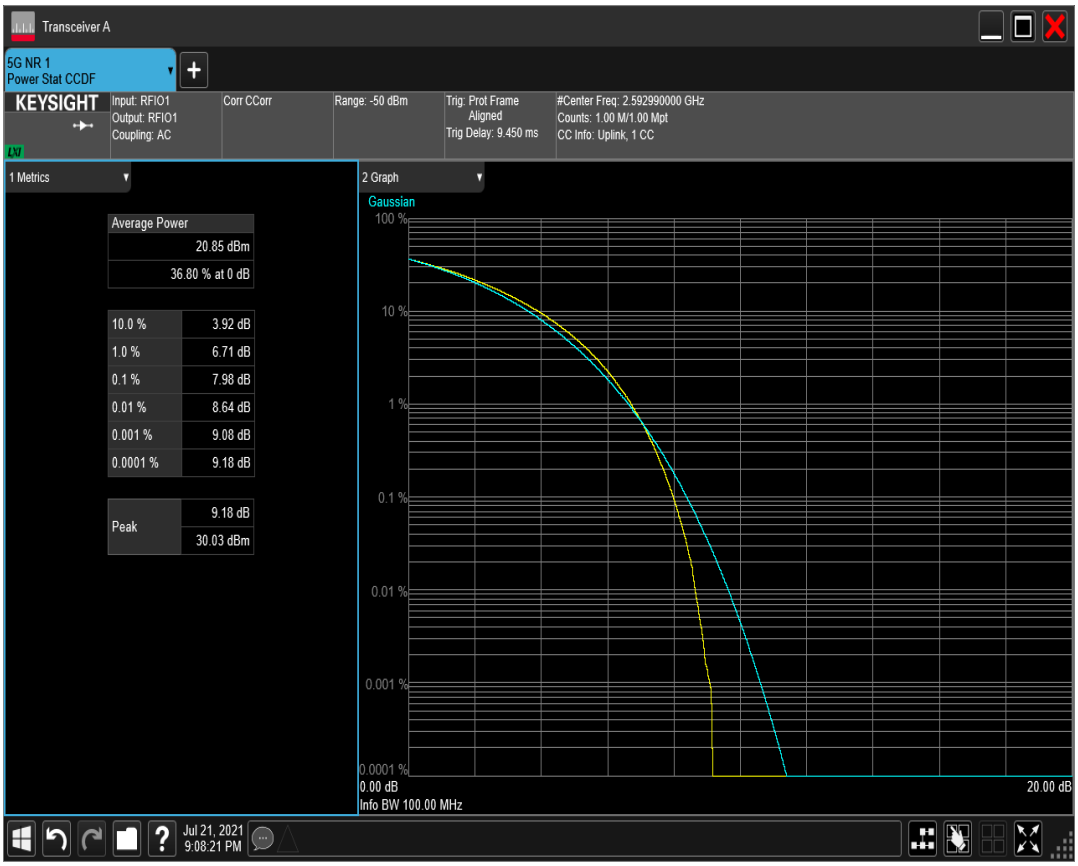
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n41	30	100	518598	270@0	DFT_BPSK	7.96	13	PASS
n41	30	100	518598	270@0	DFT_QPSK	7.94	13	PASS
n41	30	100	518598	270@0	DFT_QAM16	7.98	13	PASS
n41	30	100	518598	270@0	DFT_QAM64	8.16	13	PASS
n41	30	100	518598	270@0	DFT_QAM256	8.89	13	PASS

Pre-Scan al modulation and, and the report only reflects the worst mode

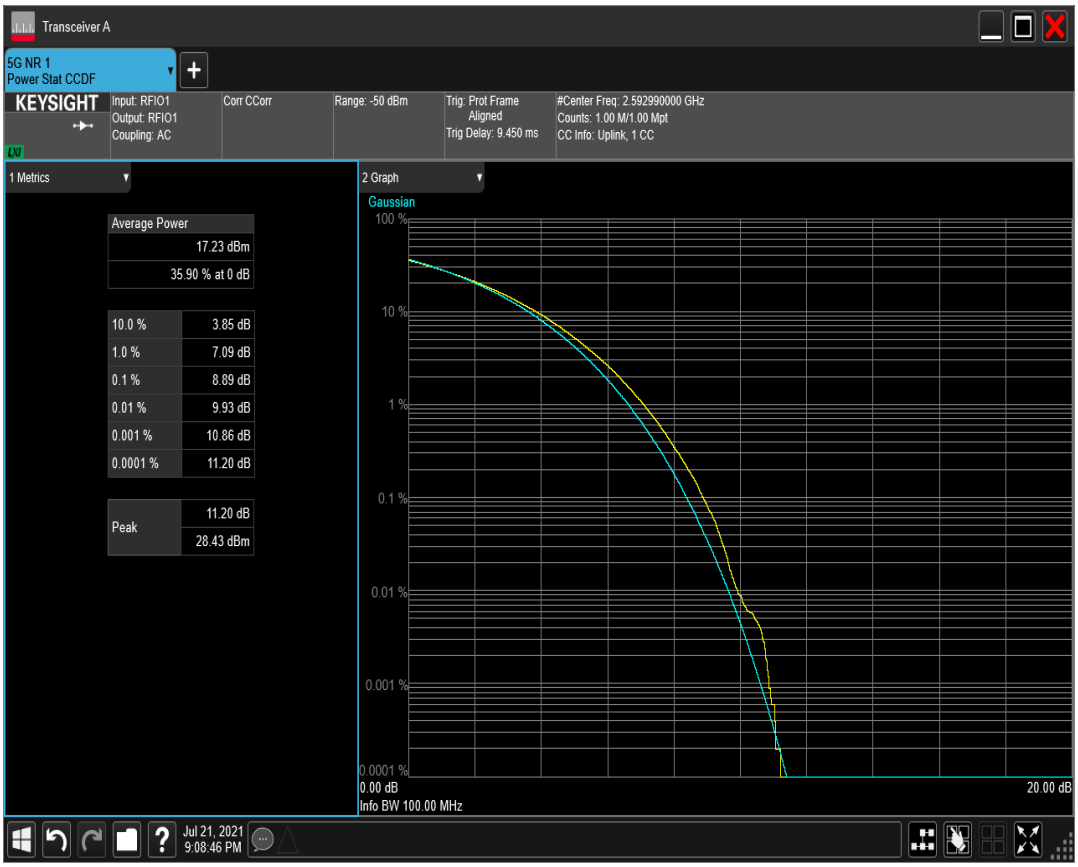
n41 SCS=30kHz DFT_BPSK BW=100MHz Channel=518598 RB=270@0



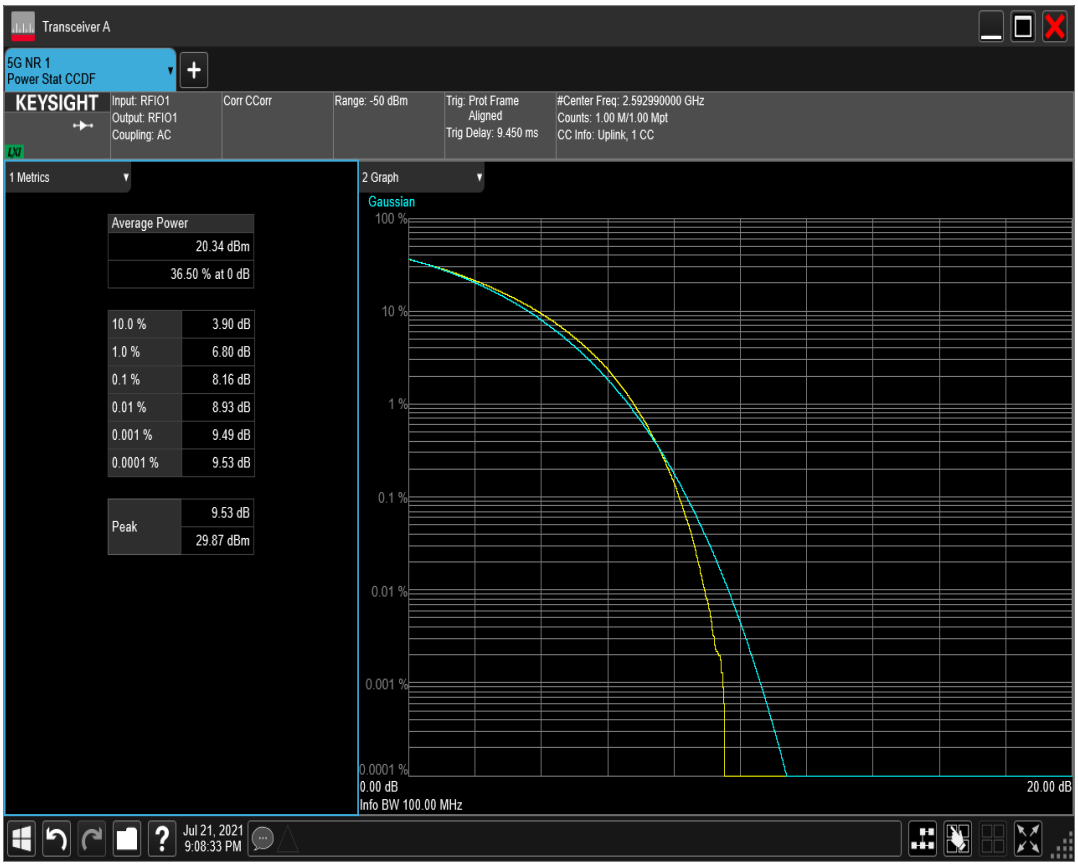
n41 SCS=30kHz DFT_QAM16 BW=100MHz Channel=518598 RB=270@0



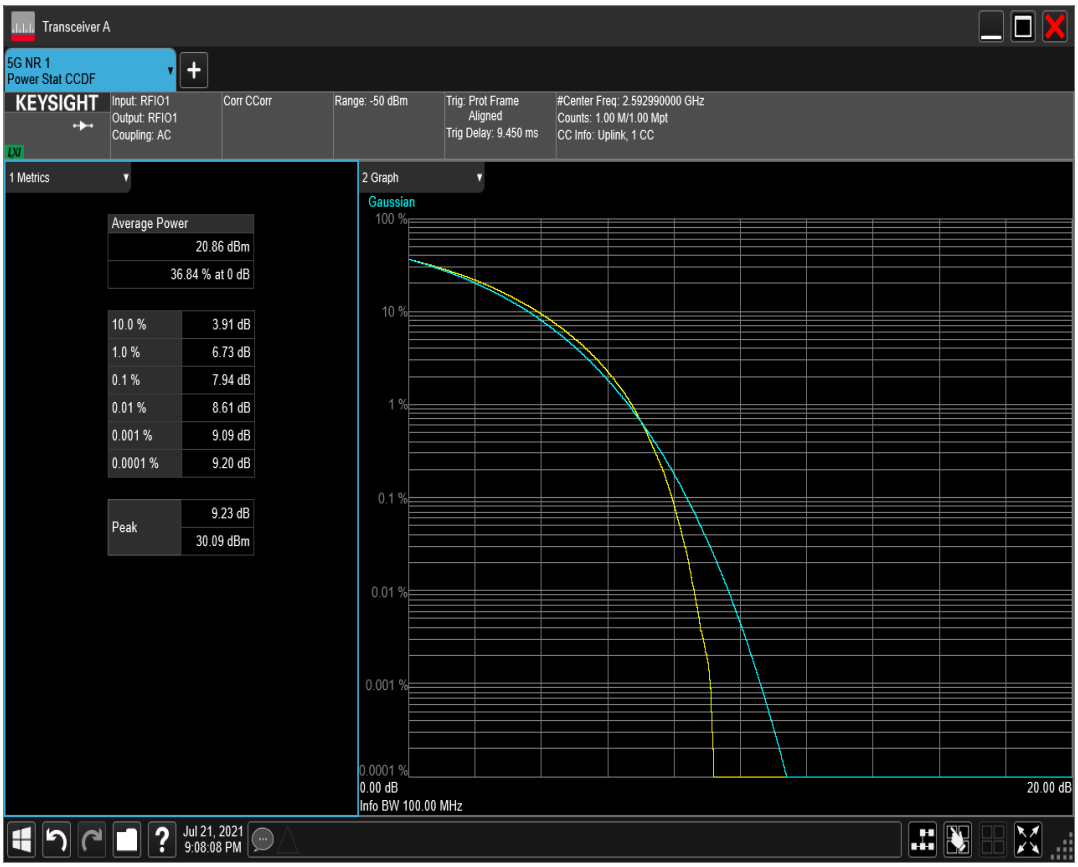
n41 SCS=30kHz DFT_QAM256 BW=100MHz Channel=518598 RB=270@0



n41 SCS=30kHz DFT_QAM64 BW=100MHz Channel=518598 RB=270@0



n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=518598 RB=270@0

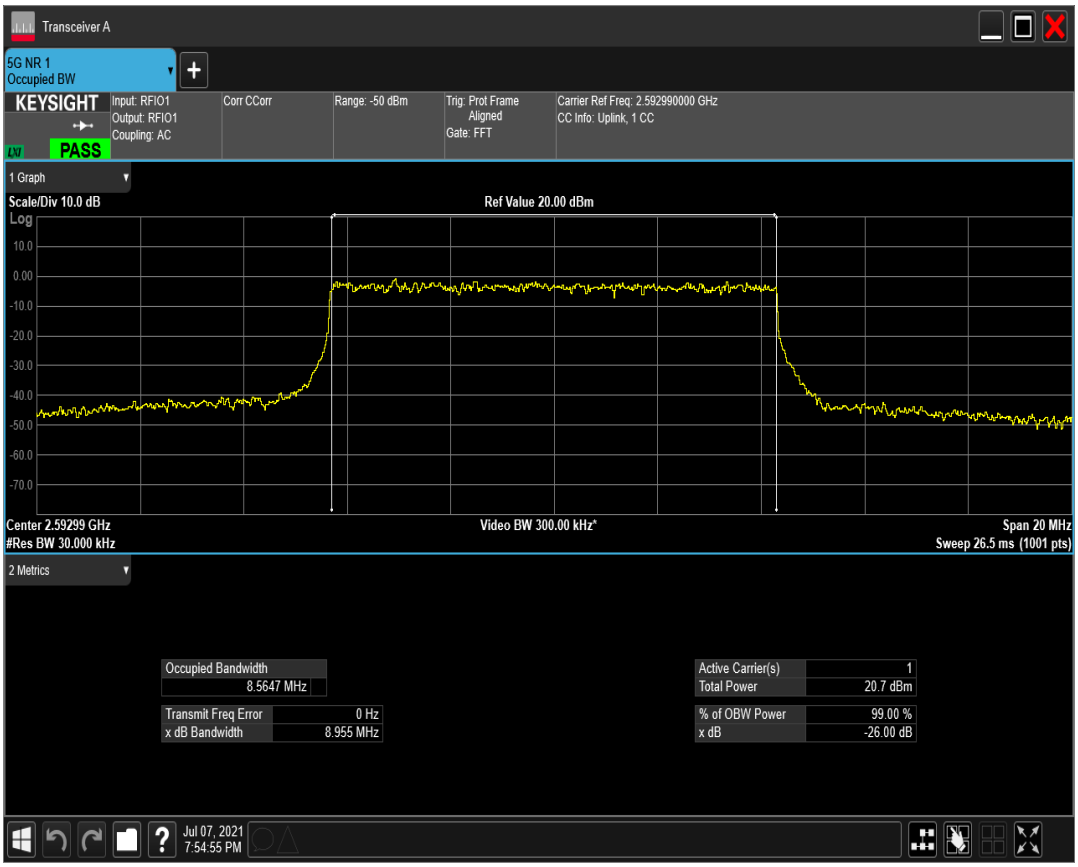


4 Occupied bandwidth for NR FR1

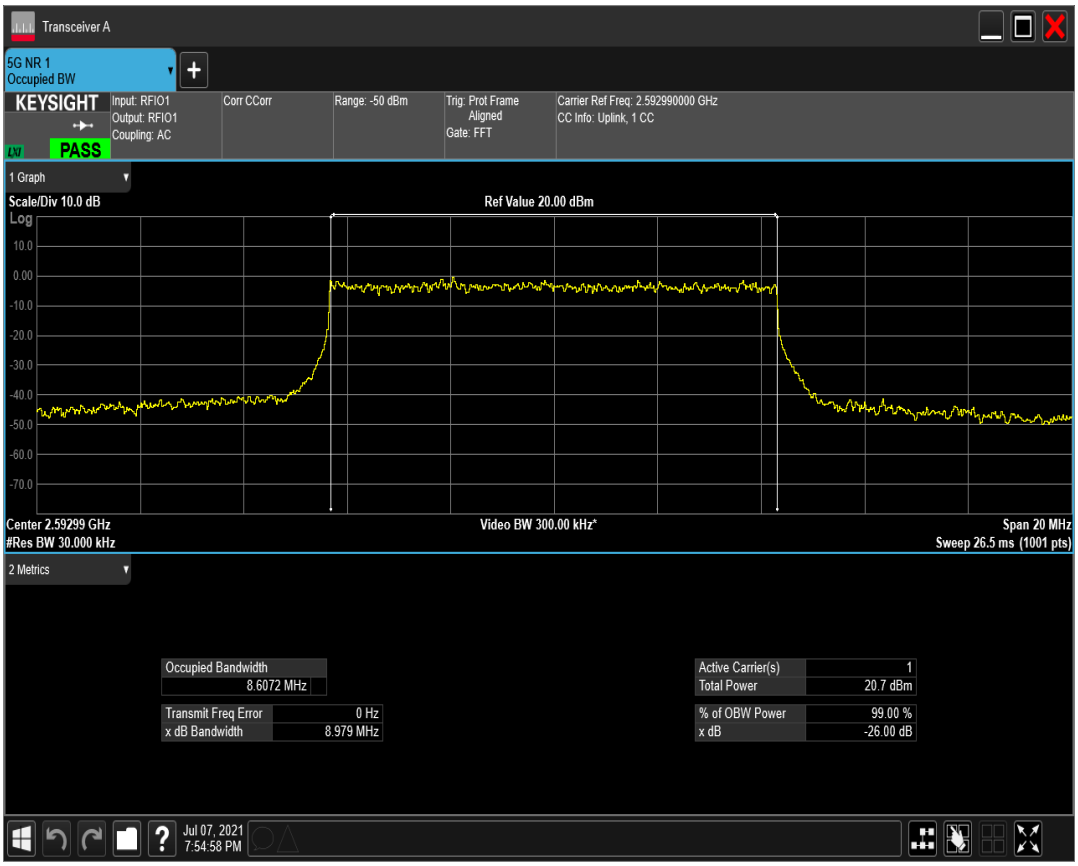
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n41	30	10	518598	24@0	DFT_BPSK	8.560	8.960	PASS
n41	30	10	518598	24@0	DFT_QPSK	8.610	8.980	PASS
n41	30	10	518598	24@0	DFT_QAM16	8.570	9.040	PASS
n41	30	10	518598	24@0	DFT_QAM64	8.570	8.980	PASS
n41	30	10	518598	24@0	DFT_QAM256	8.570	9.040	PASS
n41	30	15	518598	36@0	DFT_BPSK	13.460	13.390	PASS
n41	30	15	518598	36@0	DFT_QPSK	13.460	13.390	PASS
n41	30	15	518598	36@0	DFT_QAM16	13.520	13.420	PASS
n41	30	15	518598	36@0	DFT_QAM64	13.510	13.400	PASS
n41	30	15	518598	36@0	DFT_QAM256	13.450	13.330	PASS
n41	30	20	518598	50@0	DFT_BPSK	18.050	18.350	PASS
n41	30	20	518598	50@0	DFT_QPSK	18.090	18.340	PASS
n41	30	20	518598	50@0	DFT_QAM16	18.090	18.350	PASS
n41	30	20	518598	50@0	DFT_QAM64	18.090	18.400	PASS
n41	30	20	518598	50@0	DFT_QAM256	18.090	18.360	PASS
n41	30	40	518598	100@0	DFT_BPSK	37.660	36.440	PASS
n41	30	40	518598	100@0	DFT_QPSK	37.660	36.440	PASS
n41	30	40	518598	100@0	DFT_QAM16	37.660	36.370	PASS
n41	30	40	518598	100@0	DFT_QAM64	37.660	36.430	PASS

n41	30	40	518598	100@0	DFT_QAM256	37.610	36.280	PASS
n41	30	50	518598	128@0	DFT_BPSK	47.210	46.410	PASS
n41	30	50	518598	128@0	DFT_QPSK	47.210	46.420	PASS
n41	30	50	518598	128@0	DFT_QAM16	47.220	46.460	PASS
n41	30	50	518598	128@0	DFT_QAM64	47.260	46.450	PASS
n41	30	50	518598	128@0	DFT_QAM256	47.160	46.390	PASS
n41	30	60	518598	162@0	DFT_BPSK	57.790	58.660	PASS
n41	30	60	518598	162@0	DFT_QPSK	57.790	58.630	PASS
n41	30	60	518598	162@0	DFT_QAM16	57.800	58.730	PASS
n41	30	60	518598	162@0	DFT_QAM64	57.800	58.740	PASS
n41	30	60	518598	162@0	DFT_QAM256	57.860	58.700	PASS
n41	30	80	518598	216@0	DFT_BPSK	77.230	78.130	PASS
n41	30	80	518598	216@0	DFT_QPSK	77.230	78.130	PASS
n41	30	80	518598	216@0	DFT_QAM16	77.280	78.040	PASS
n41	30	80	518598	216@0	DFT_QAM64	77.290	78.070	PASS
n41	30	80	518598	216@0	DFT_QAM256	77.230	78.110	PASS
n41	30	90	518598	240@0	DFT_BPSK	87.150	86.820	PASS
n41	30	90	518598	240@0	DFT_QPSK	87.140	86.860	PASS
n41	30	90	518598	240@0	DFT_QAM16	87.060	86.750	PASS
n41	30	90	518598	240@0	DFT_QAM64	87.180	86.780	PASS
n41	30	90	518598	240@0	DFT_QAM256	87.030	86.780	PASS
n41	30	100	518598	270@0	DFT_BPSK	96.760	97.580	PASS
n41	30	100	518598	270@0	DFT_QPSK	96.870	97.510	PASS
n41	30	100	518598	270@0	DFT_QAM16	96.740	97.490	PASS
n41	30	100	518598	270@0	DFT_QAM64	96.760	97.500	PASS
n41	30	100	518598	270@0	DFT_QAM256	96.710	97.550	PASS

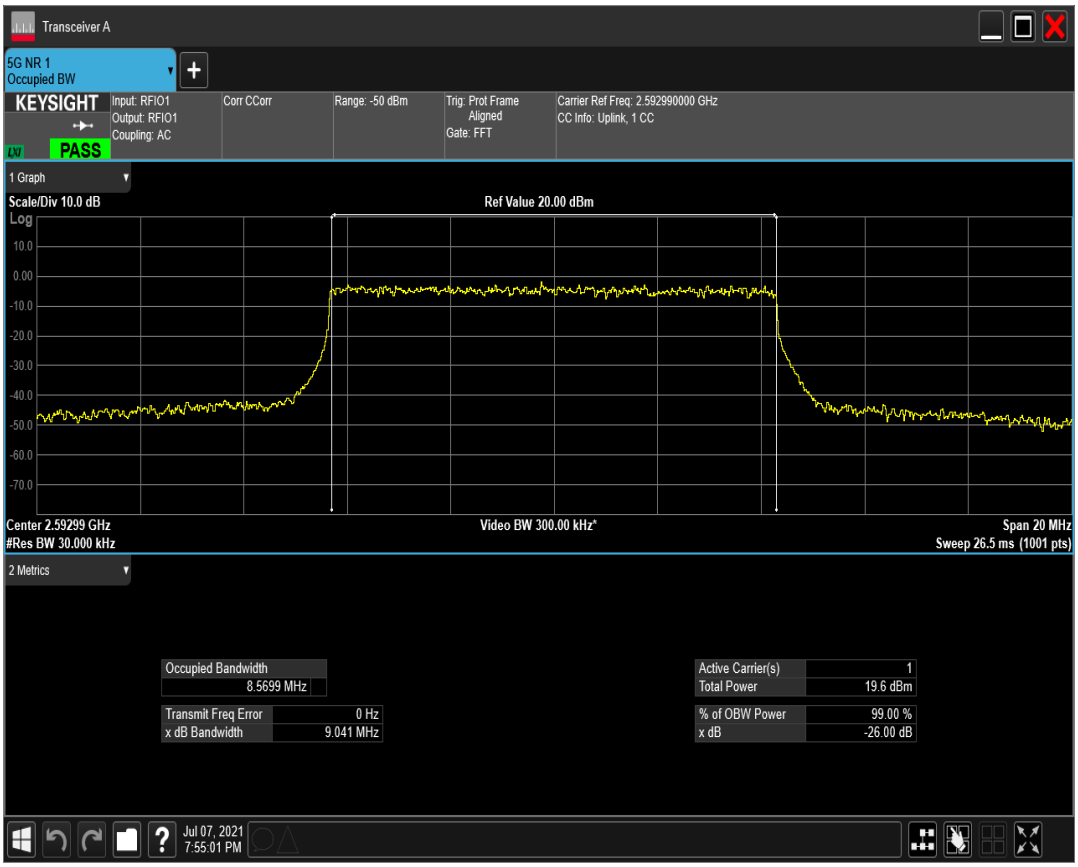
n41 SCS=30kHz DFT_BPSK BW=10MHz Channel=518598 RB=24@0



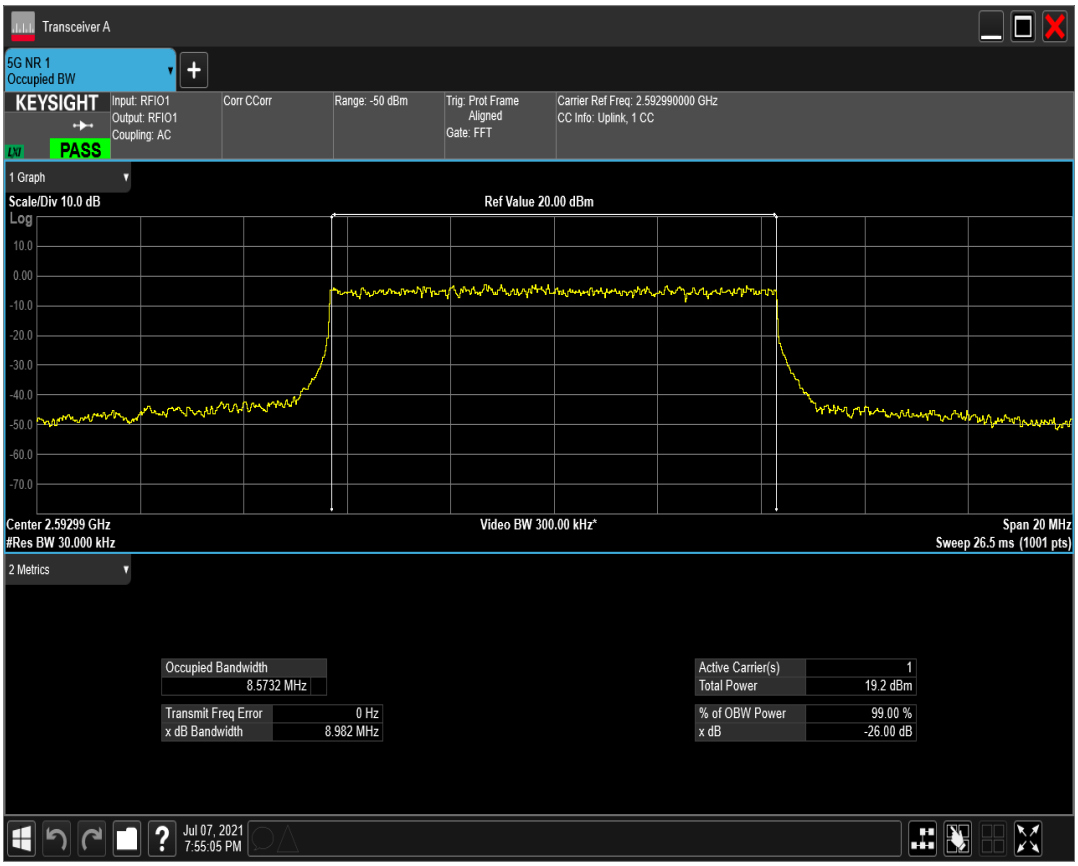
n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=518598 RB=24@0



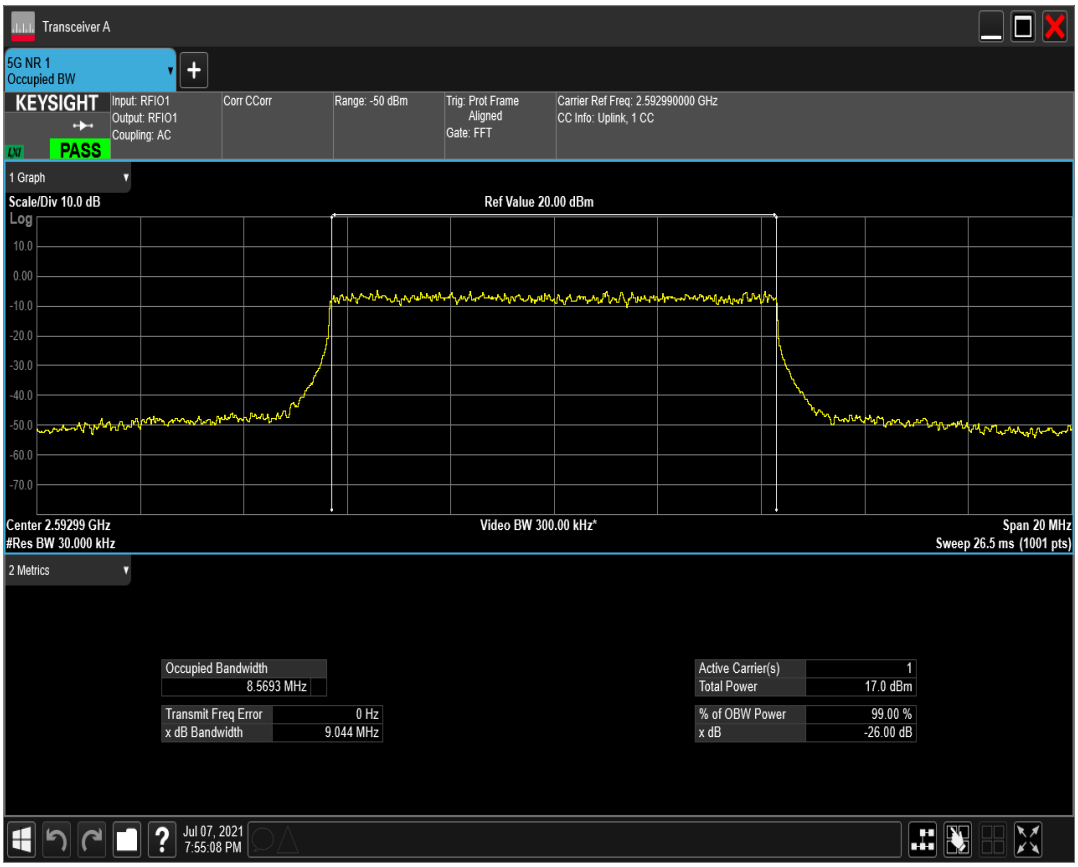
n41 SCS=30kHz DFT_QAM16 BW=10MHz Channel=518598 RB=24@0



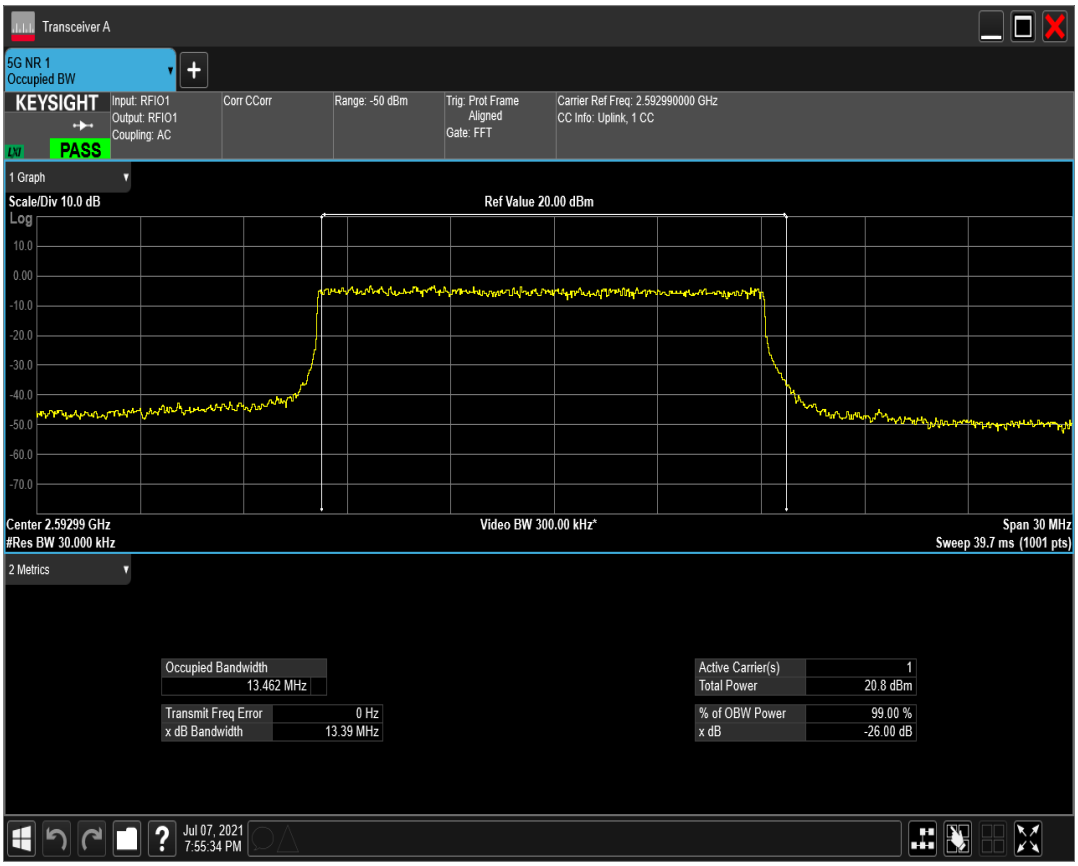
n41 SCS=30kHz DFT_QAM64 BW=10MHz Channel=518598 RB=24@0



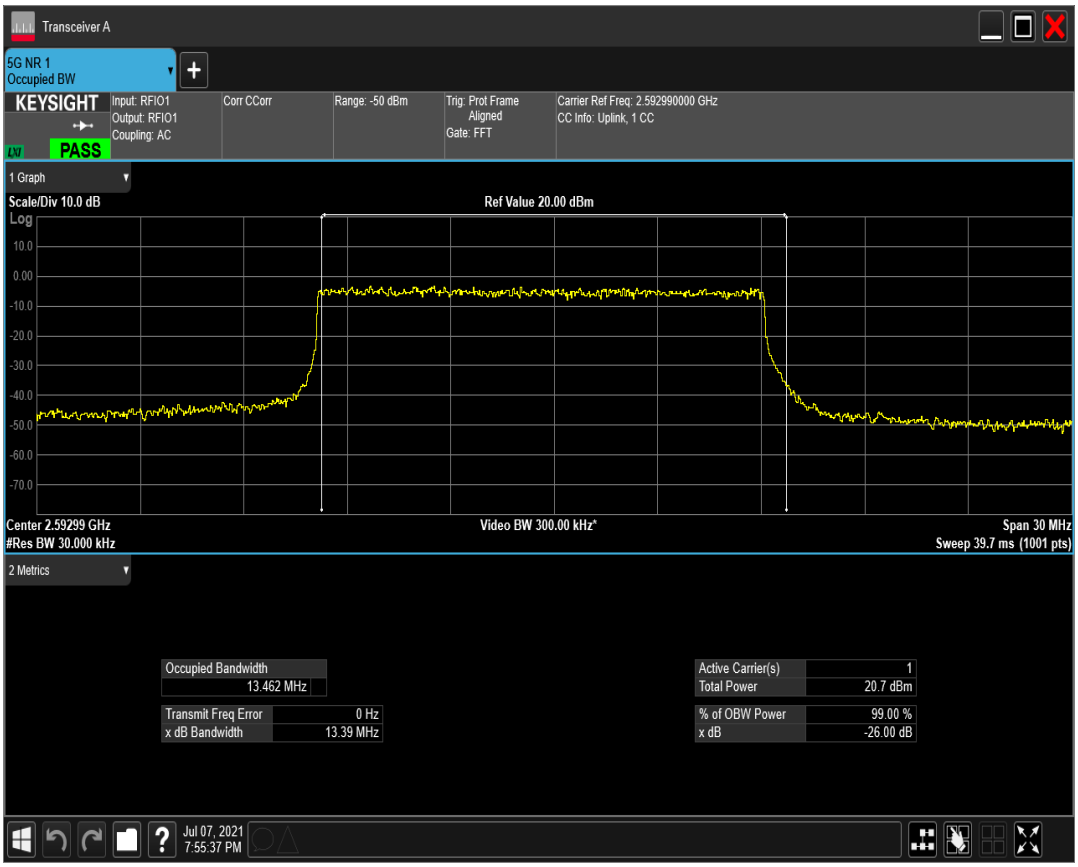
n41 SCS=30kHz DFT_QAM256 BW=10MHz Channel=518598 RB=24@0



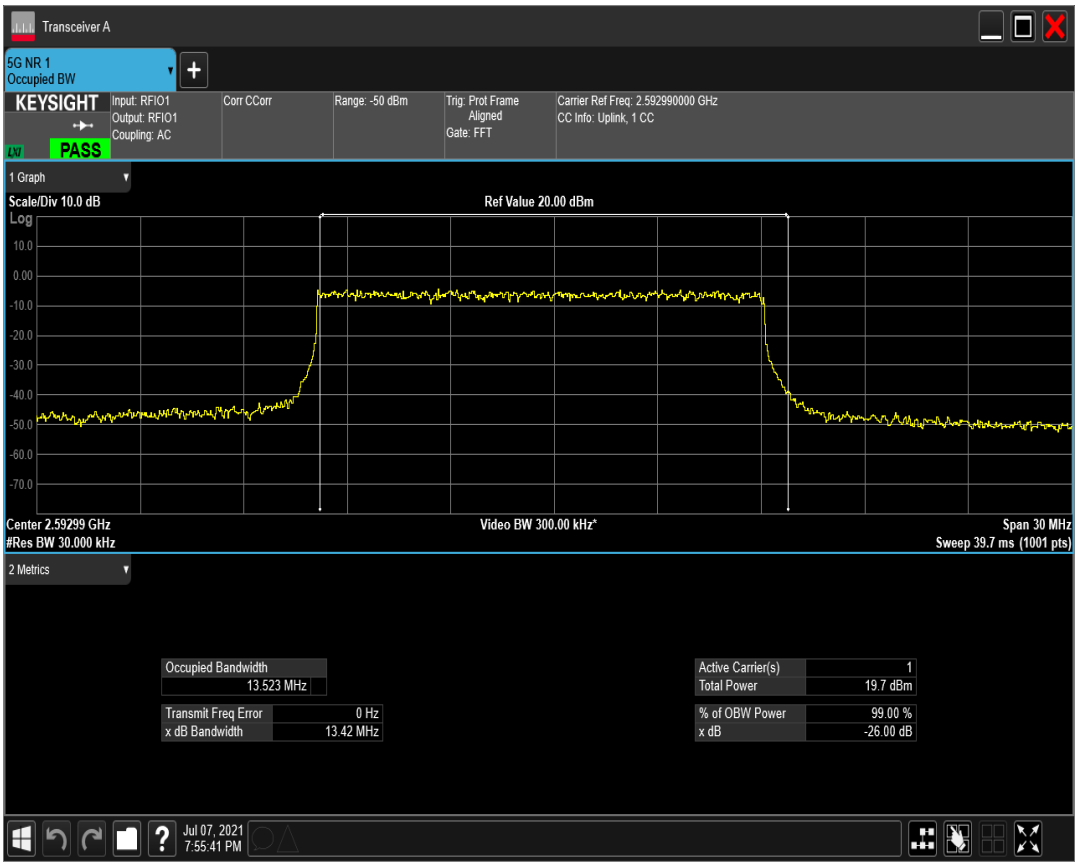
n41 SCS=30kHz DFT_BPSK BW=15MHz Channel=518598 RB=36@0



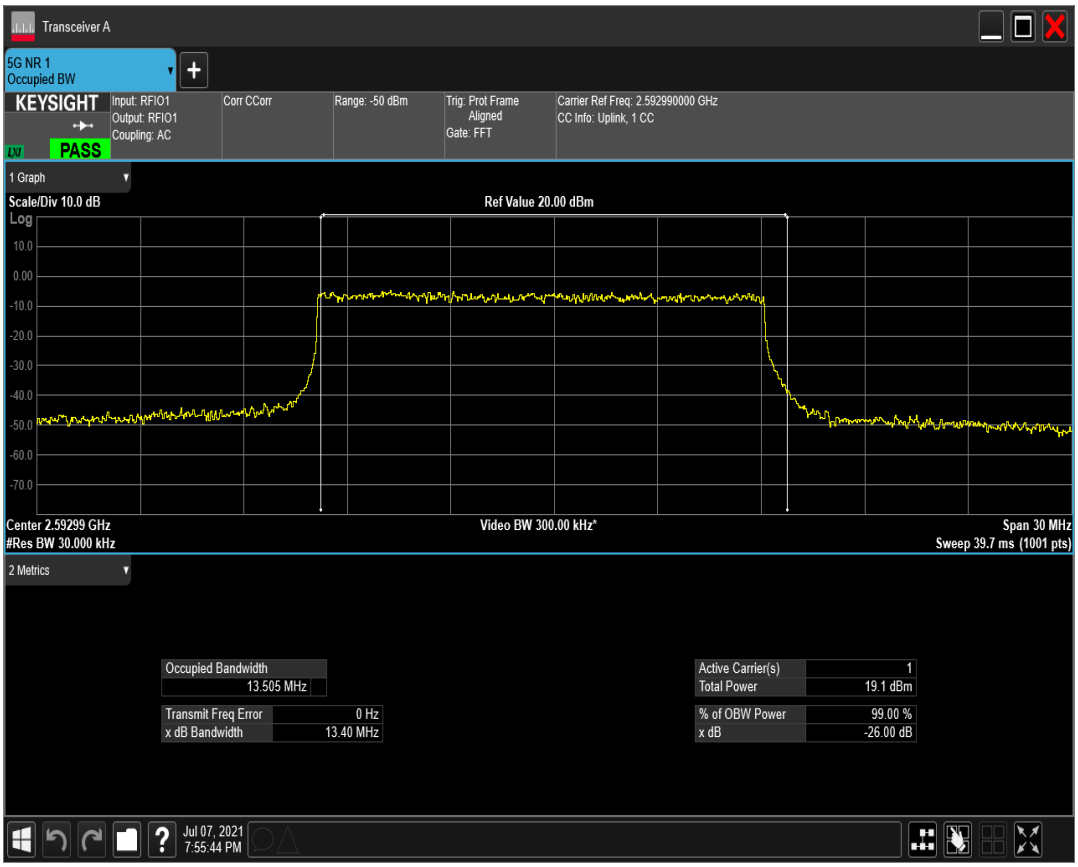
n41 SCS=30kHz DFT_QPSK BW=15MHz Channel=518598 RB=36@0



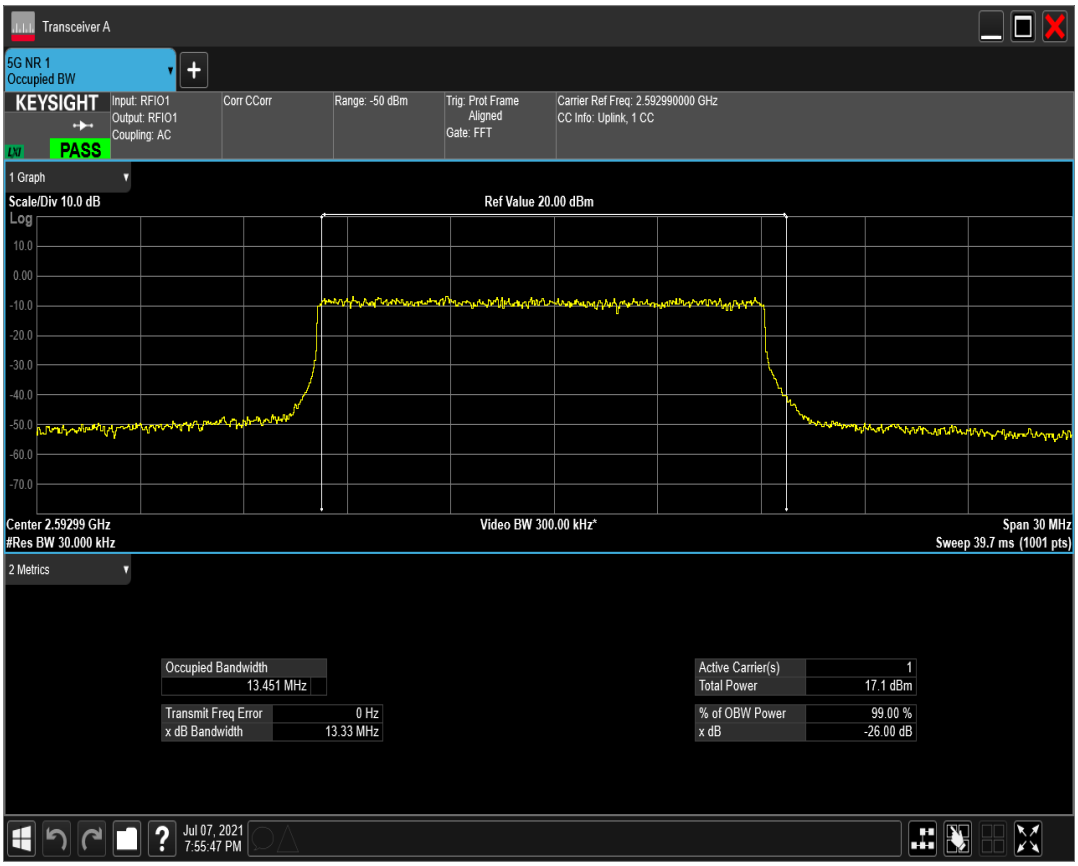
n41 SCS=30kHz DFT_QAM16 BW=15MHz Channel=518598 RB=36@0



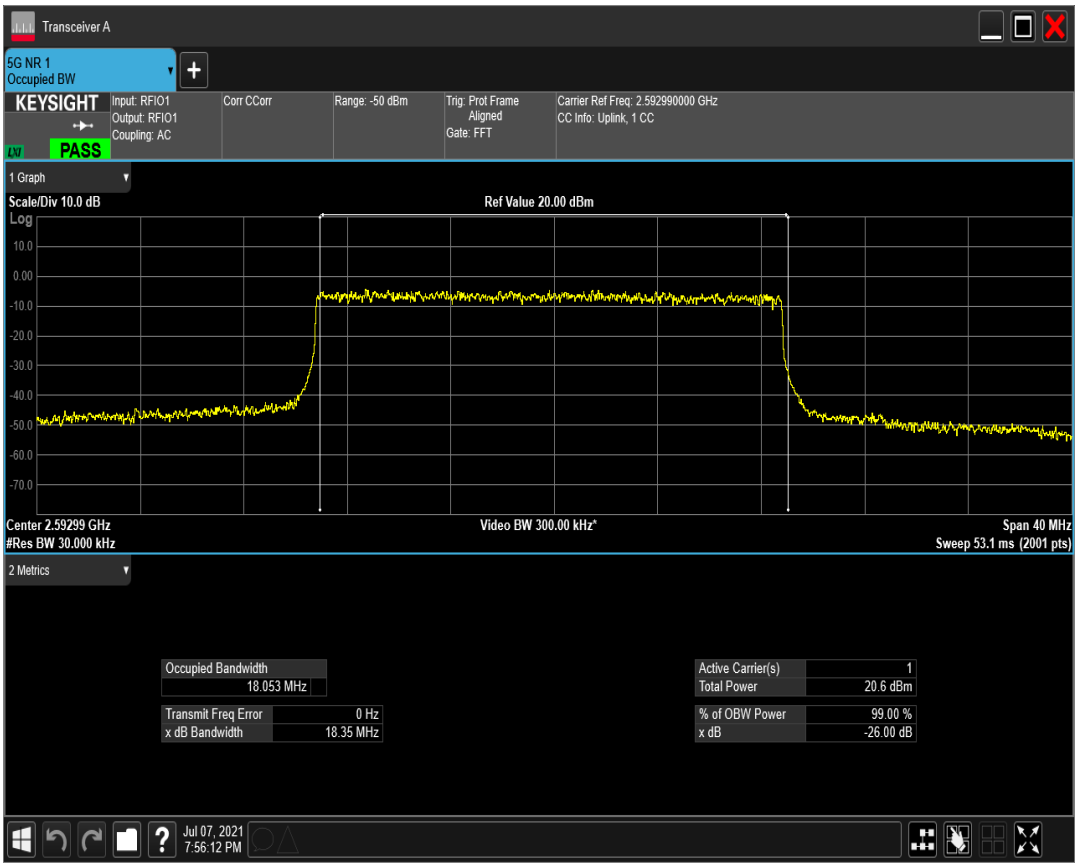
n41 SCS=30kHz DFT_QAM64 BW=15MHz Channel=518598 RB=36@0



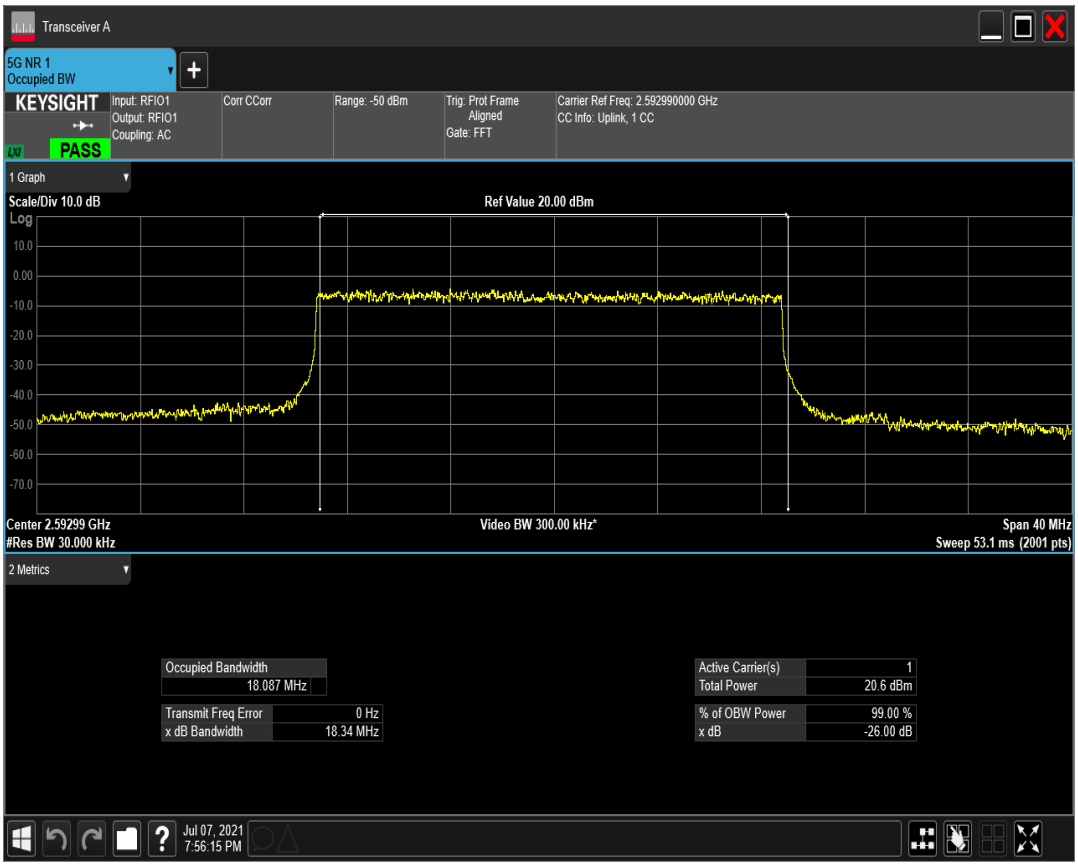
n41 SCS=30kHz DFT_QAM256 BW=15MHz Channel=518598 RB=36@0



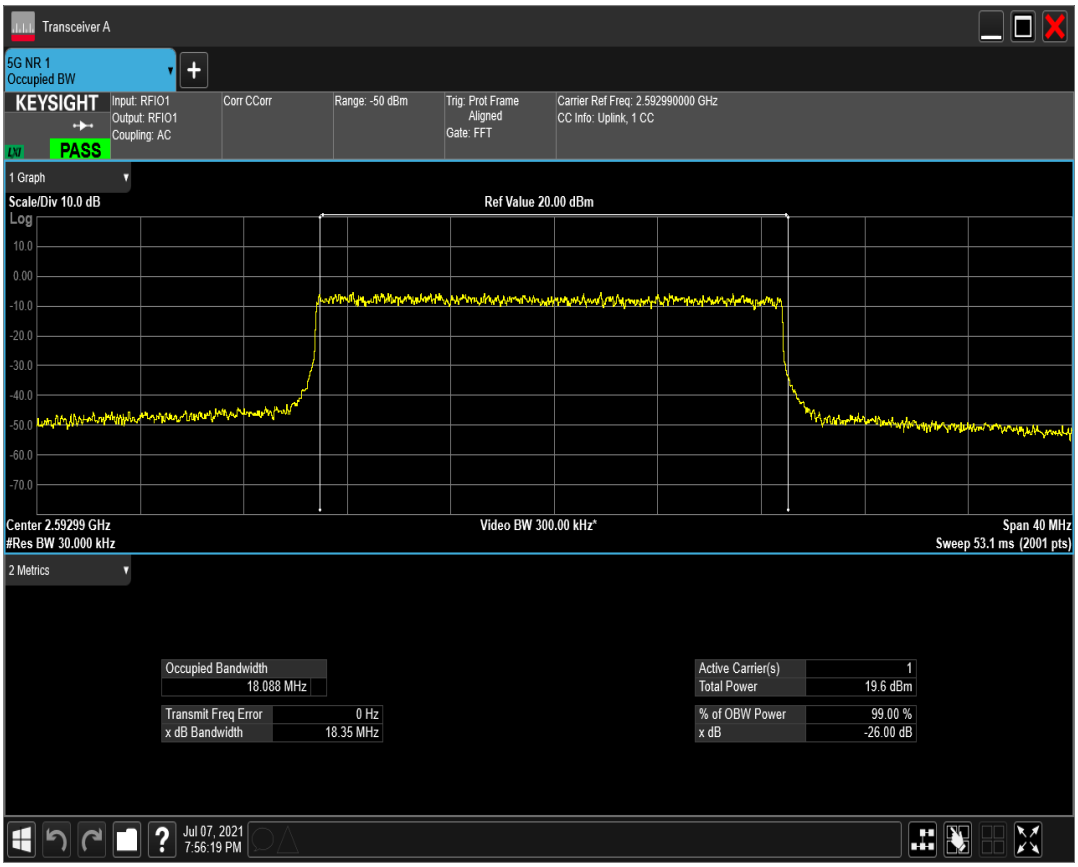
n41 SCS=30kHz DFT_BPSK BW=20MHz Channel=518598 RB=50@0



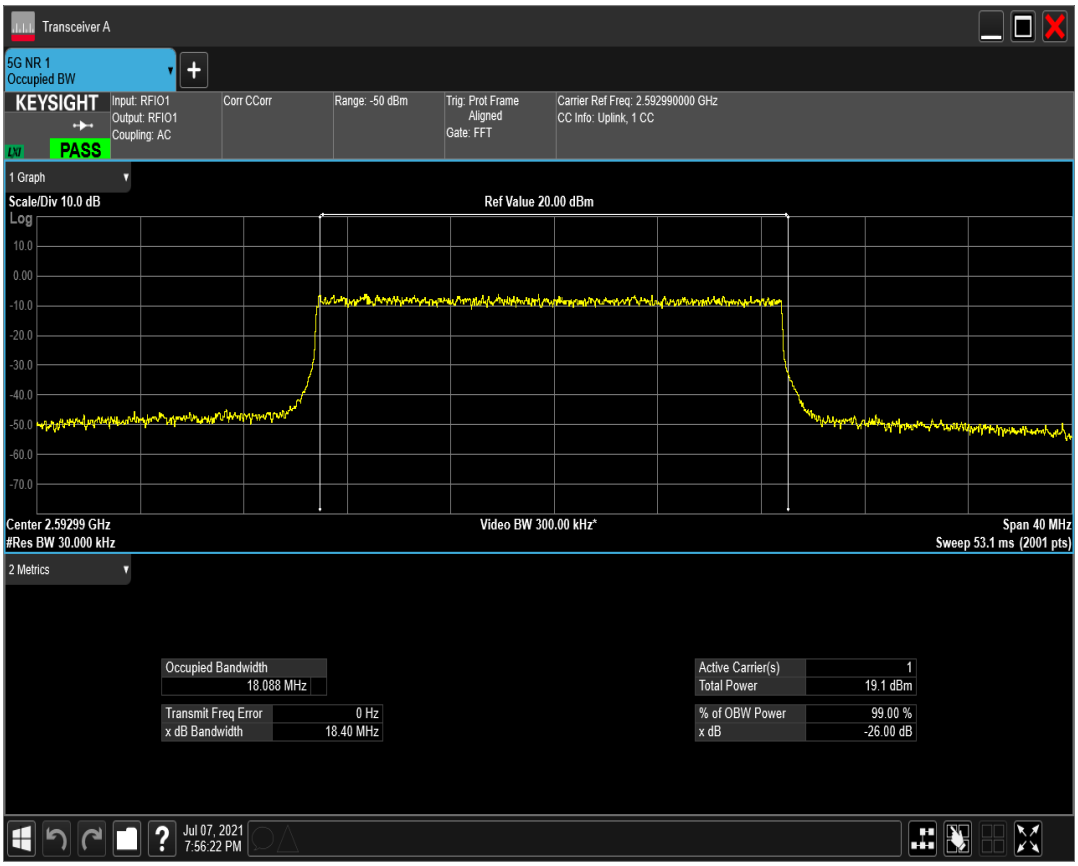
n41 SCS=30kHz DFT_QPSK BW=20MHz Channel=518598 RB=50@0



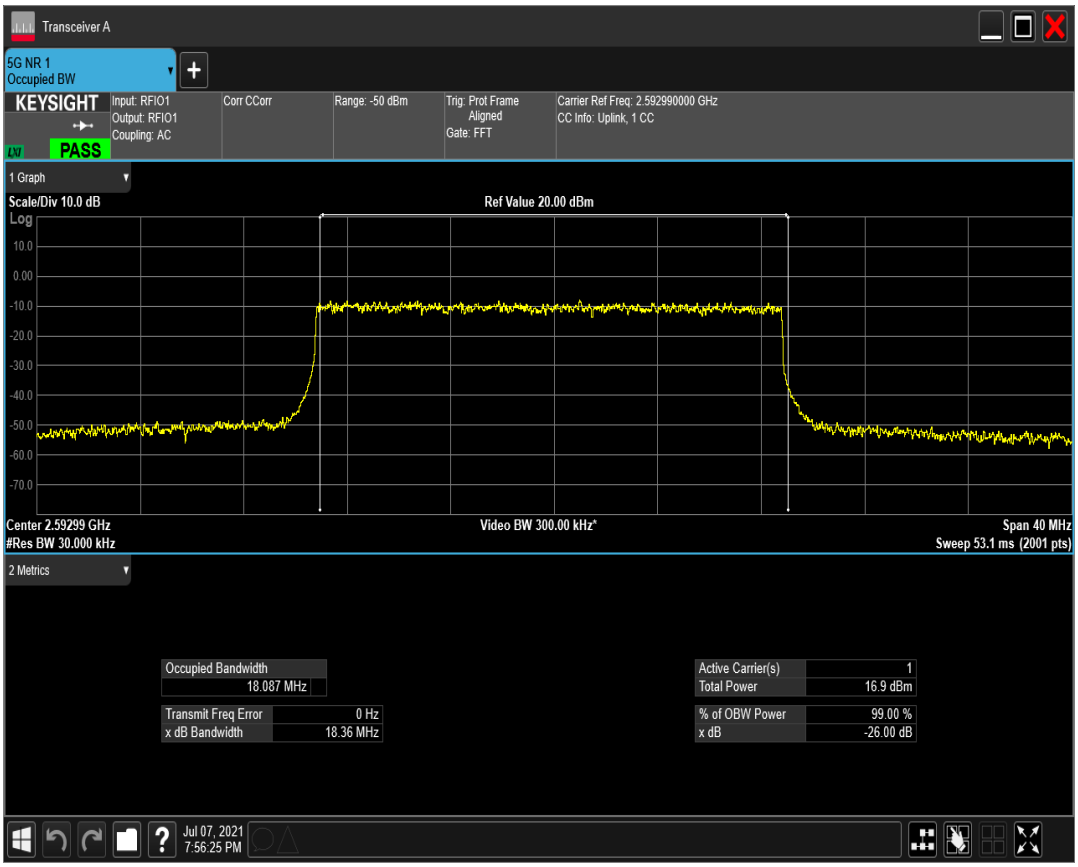
n41 SCS=30kHz DFT_QAM16 BW=20MHz Channel=518598 RB=50@0



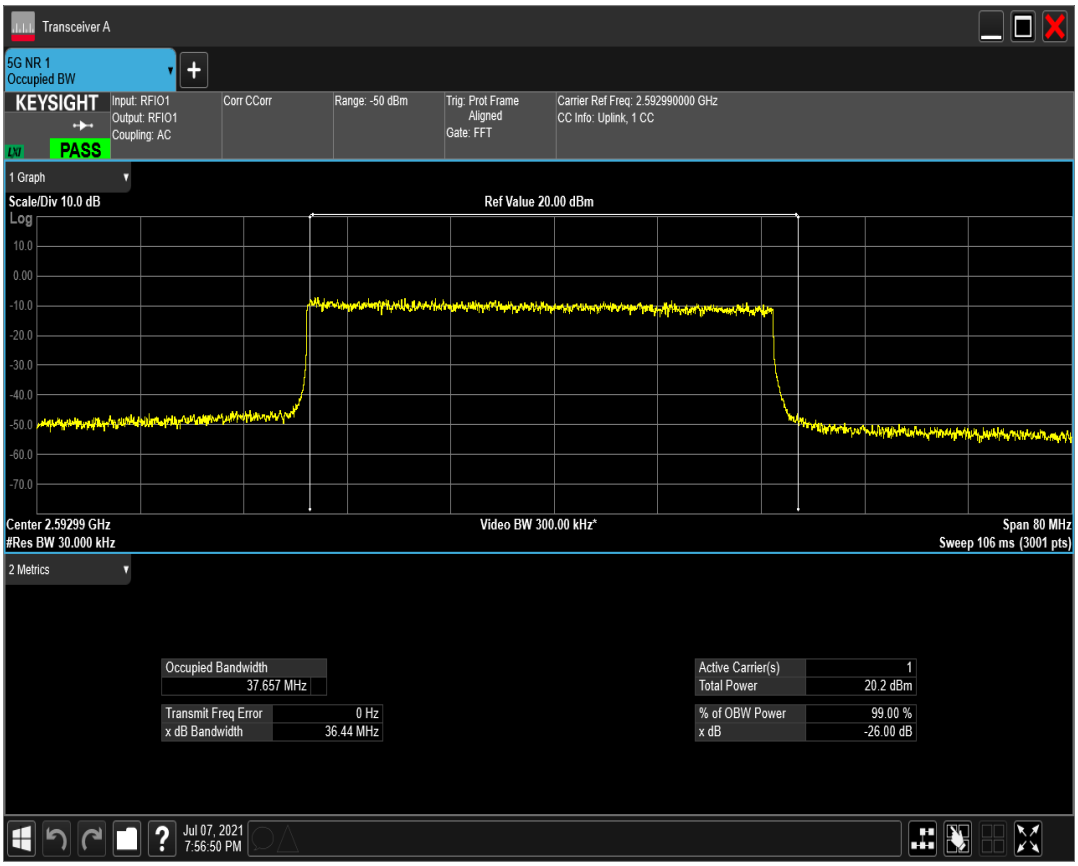
n41 SCS=30kHz DFT_QAM64 BW=20MHz Channel=518598 RB=50@0



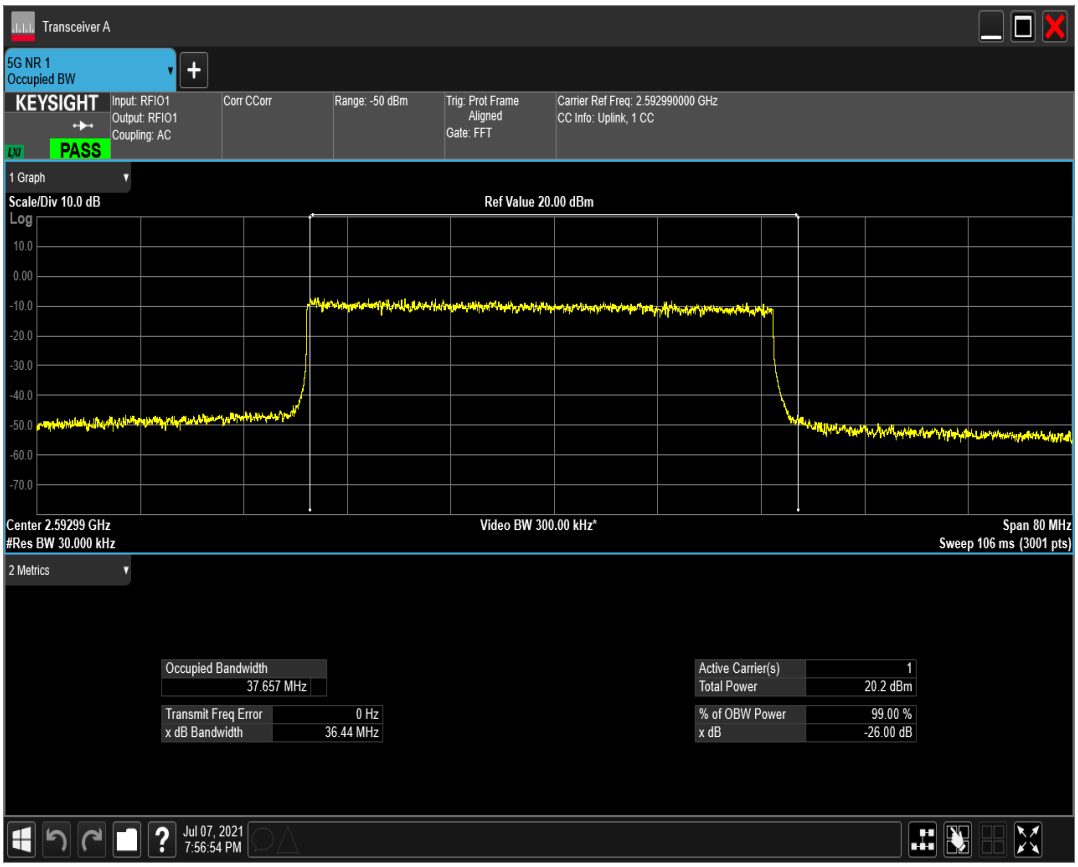
n41 SCS=30kHz DFT_QAM256 BW=20MHz Channel=518598 RB=50@0



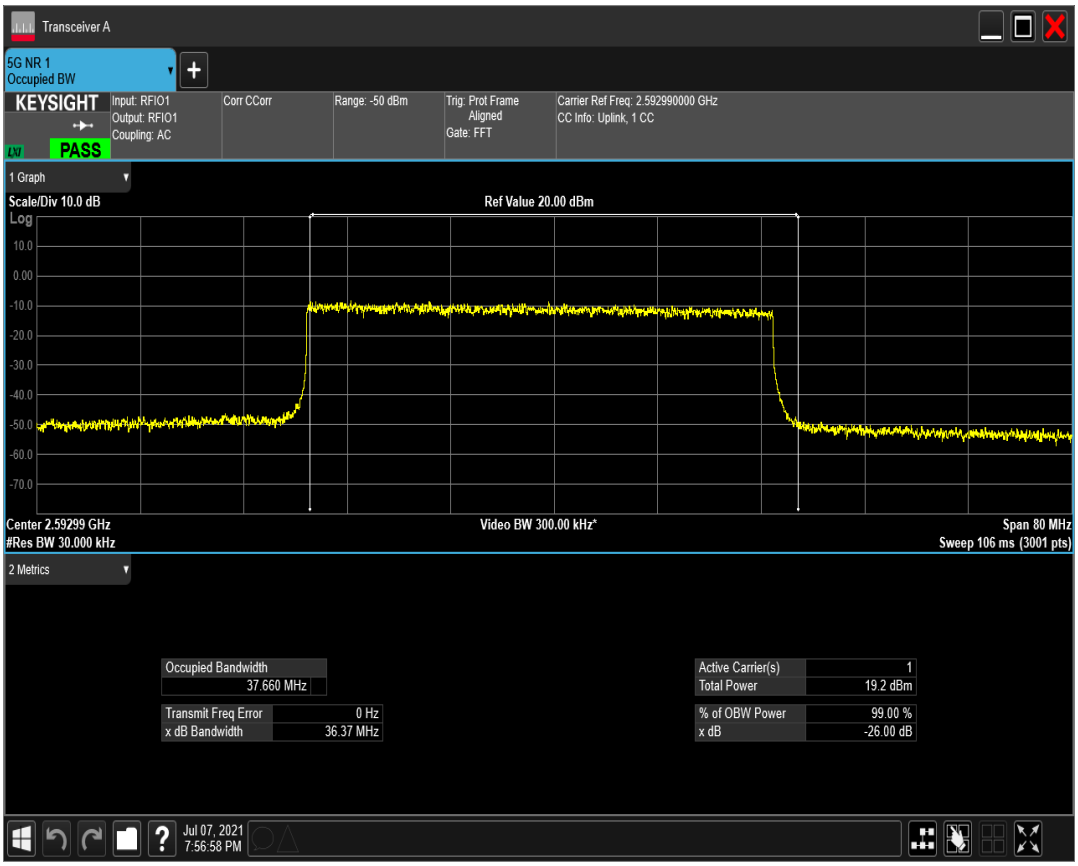
n41 SCS=30kHz DFT_BPSK BW=40MHz Channel=518598 RB=100@0



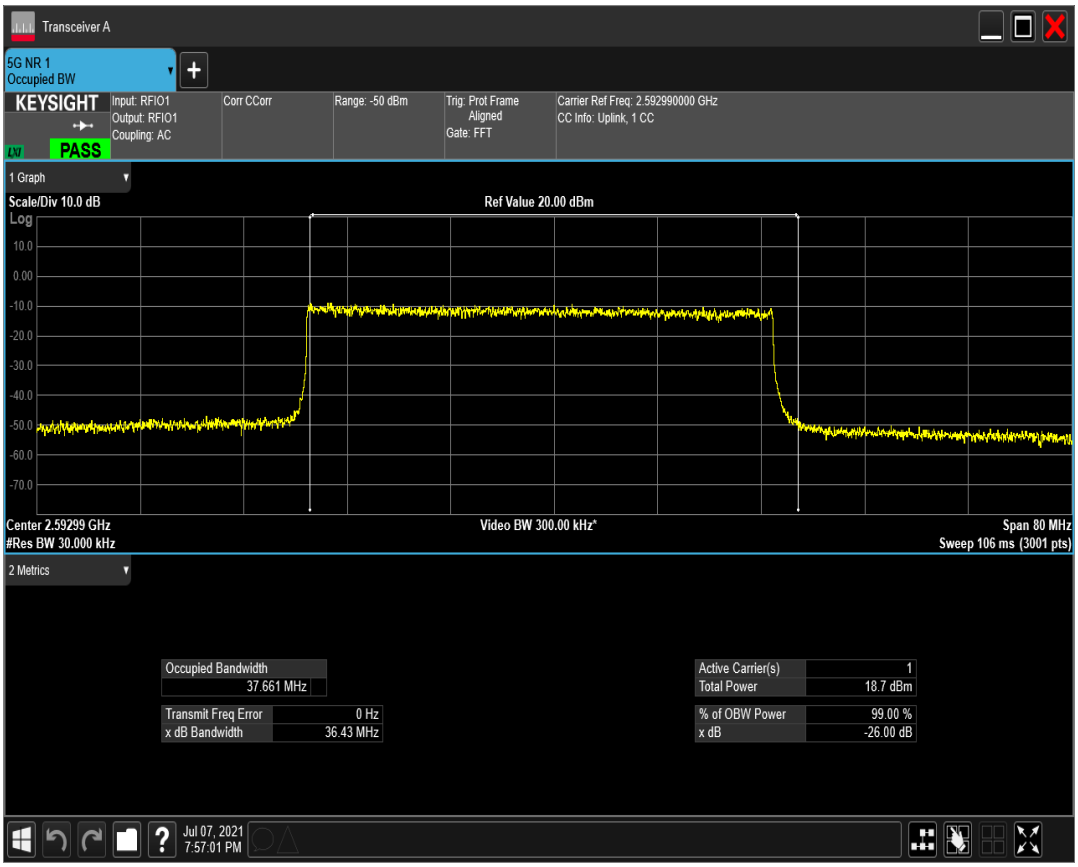
n41 SCS=30kHz DFT_QPSK BW=40MHz Channel=518598 RB=100@0



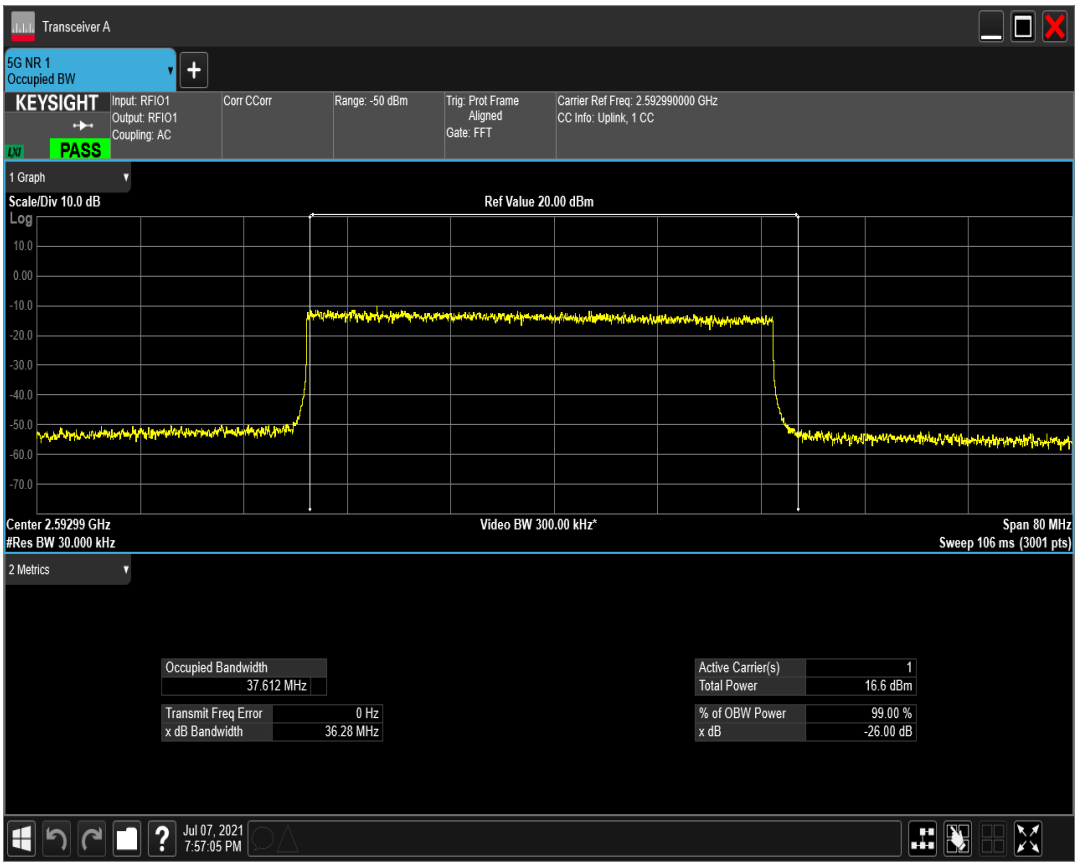
n41 SCS=30kHz DFT_QAM16 BW=40MHz Channel=518598 RB=100@0



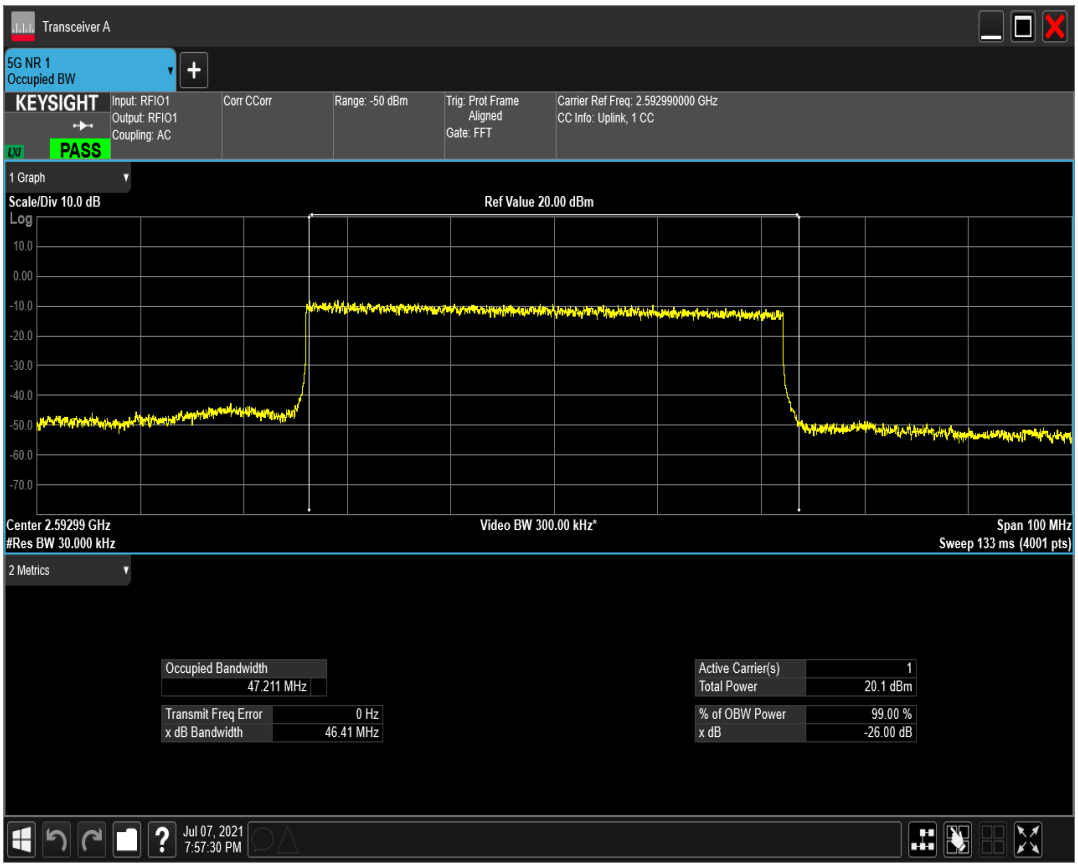
n41 SCS=30kHz DFT_QAM64 BW=40MHz Channel=518598 RB=100@0



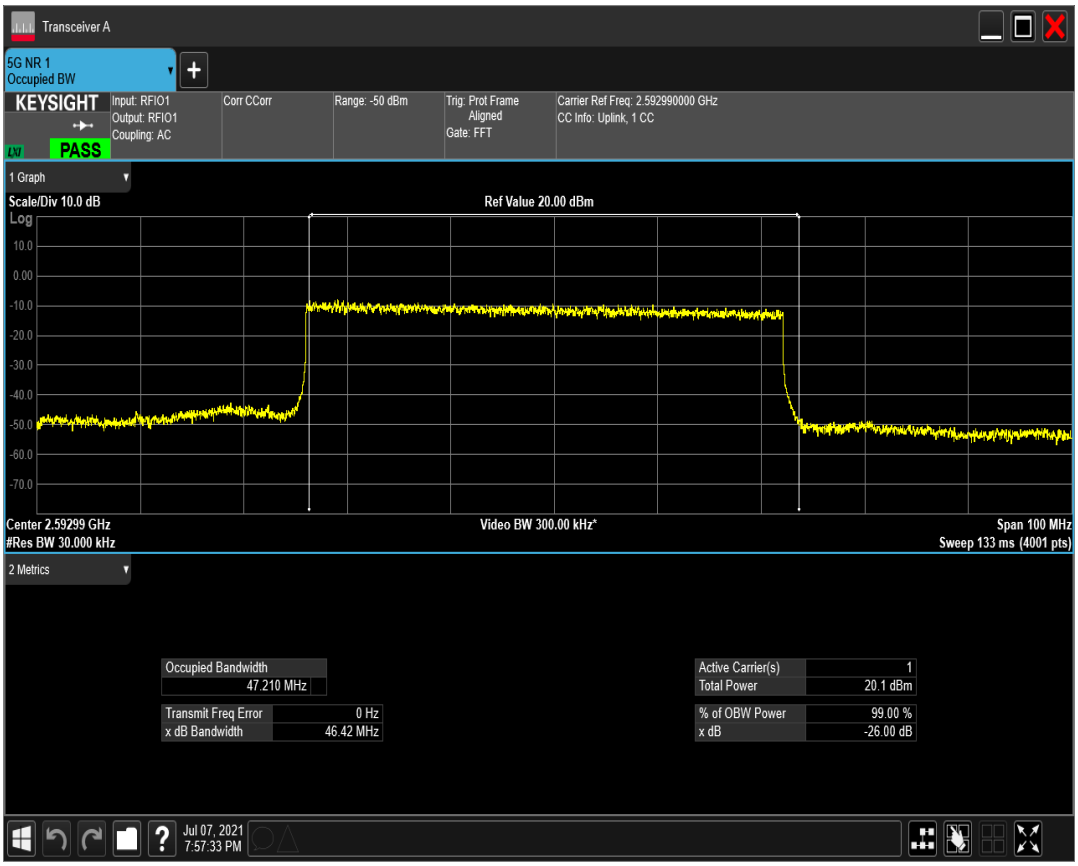
n41 SCS=30kHz DFT_QAM256 BW=40MHz Channel=518598 RB=100@0



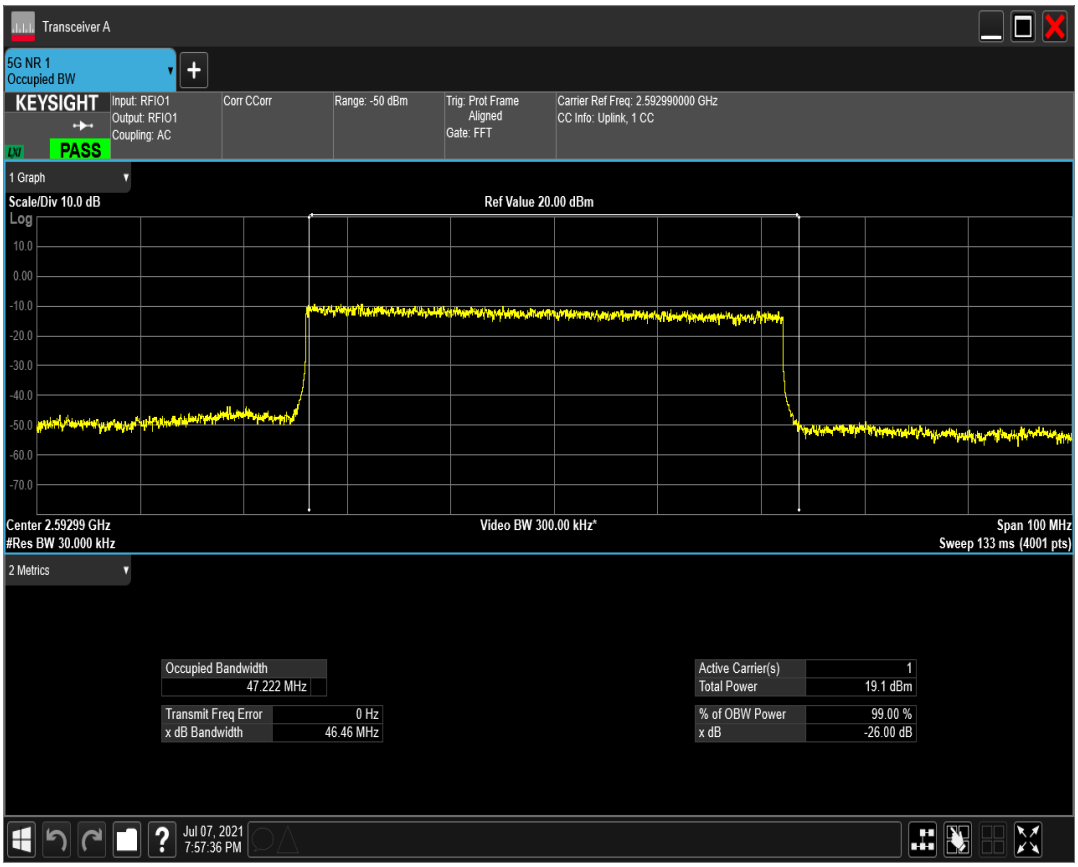
n41 SCS=30kHz DFT_BPSK BW=50MHz Channel=518598 RB=128@0



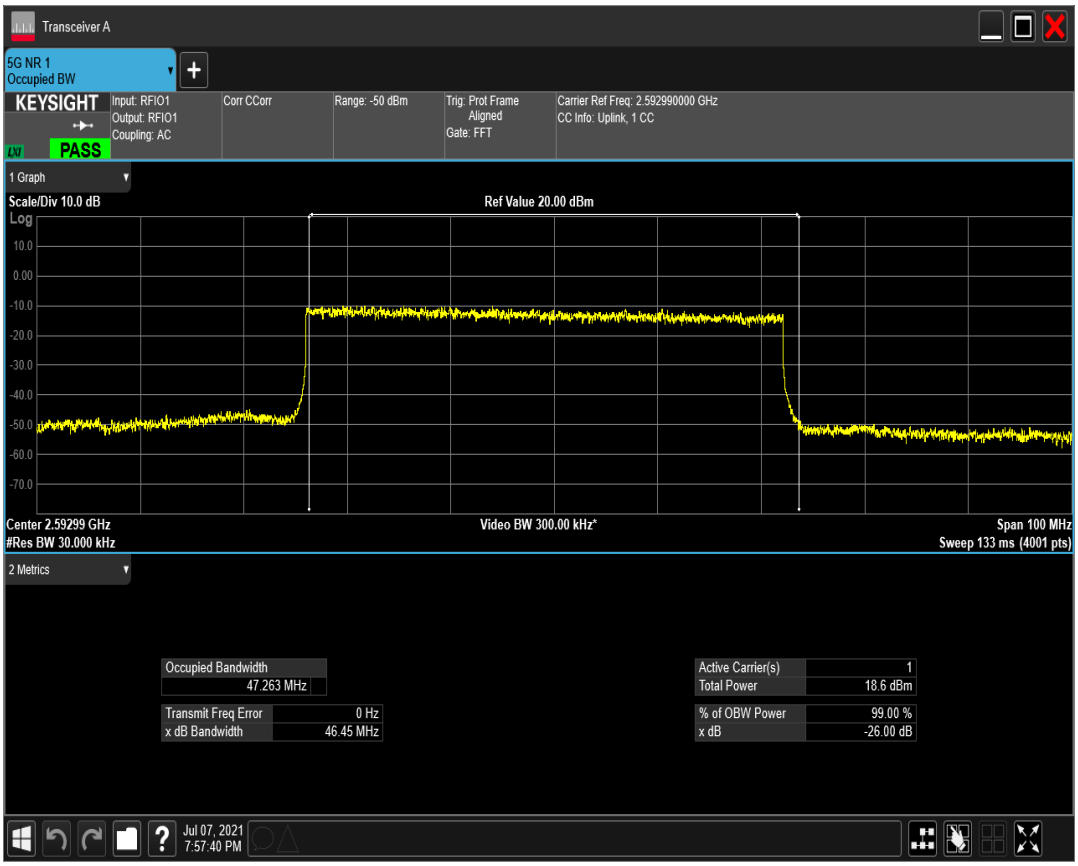
n41 SCS=30kHz DFT_QPSK BW=50MHz Channel=518598 RB=128@0



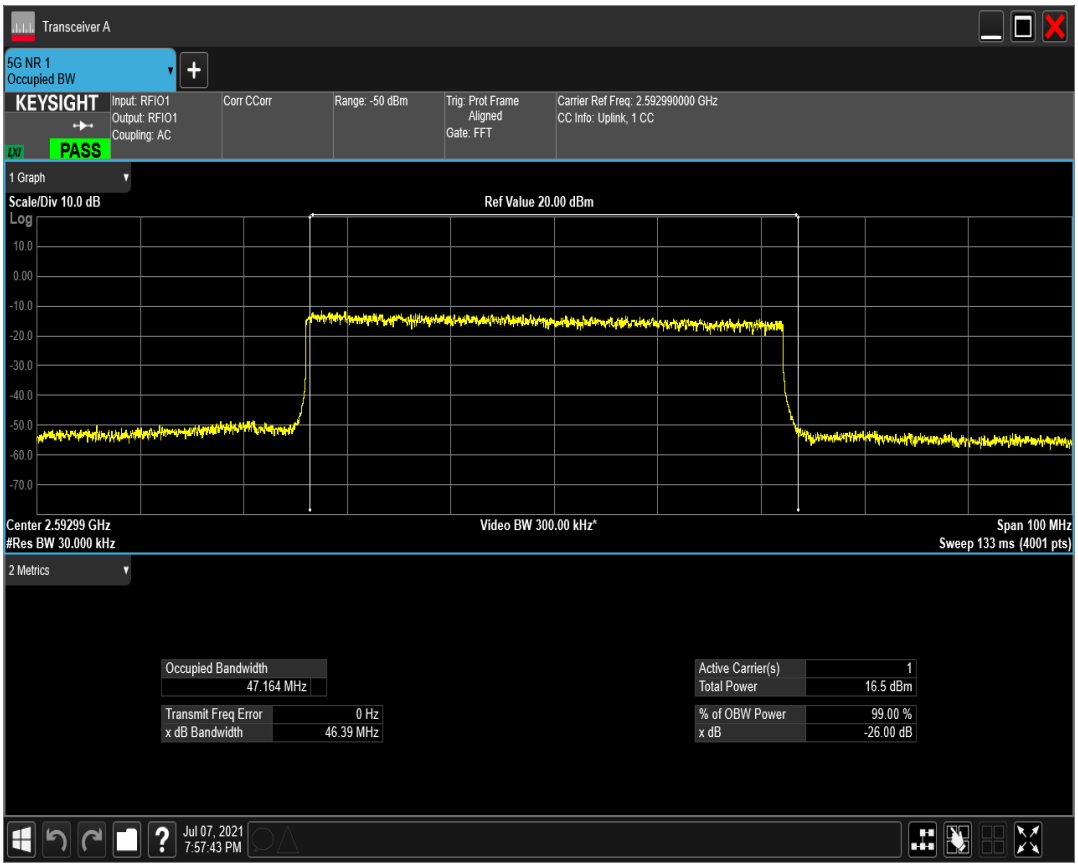
n41 SCS=30kHz DFT_QAM16 BW=50MHz Channel=518598 RB=128@0



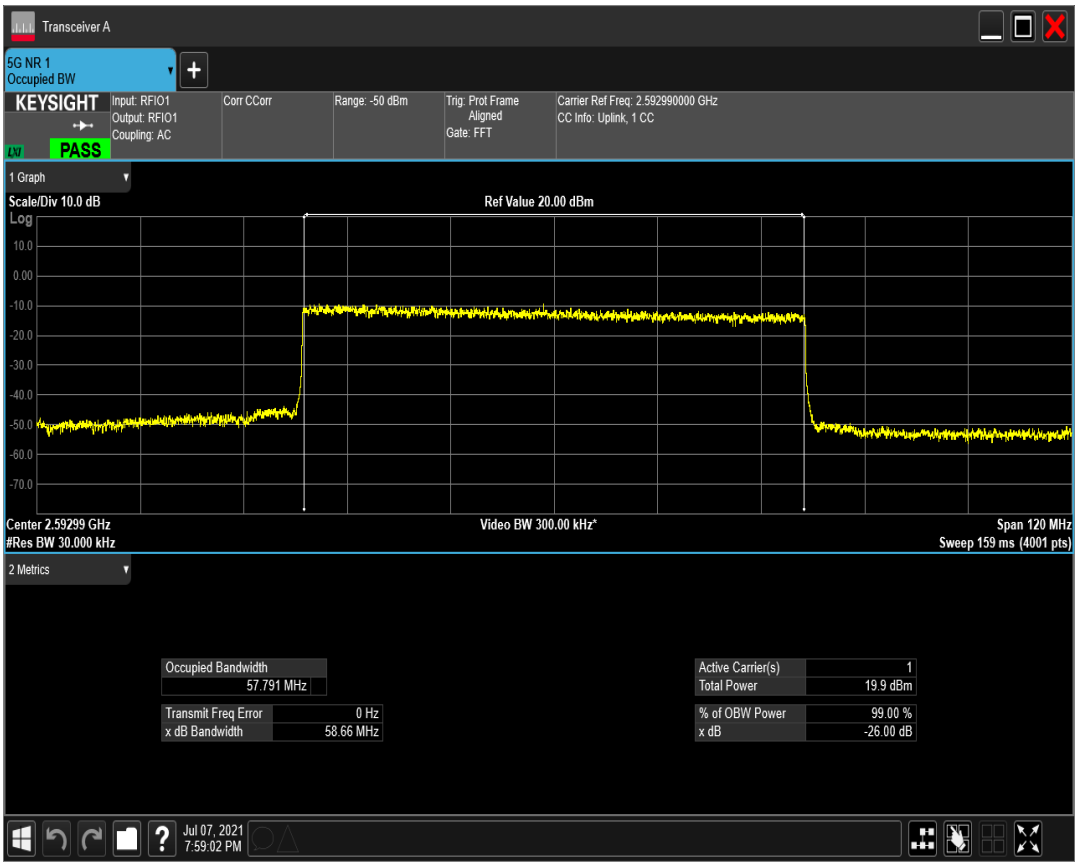
n41 SCS=30kHz DFT_QAM64 BW=50MHz Channel=518598 RB=128@0



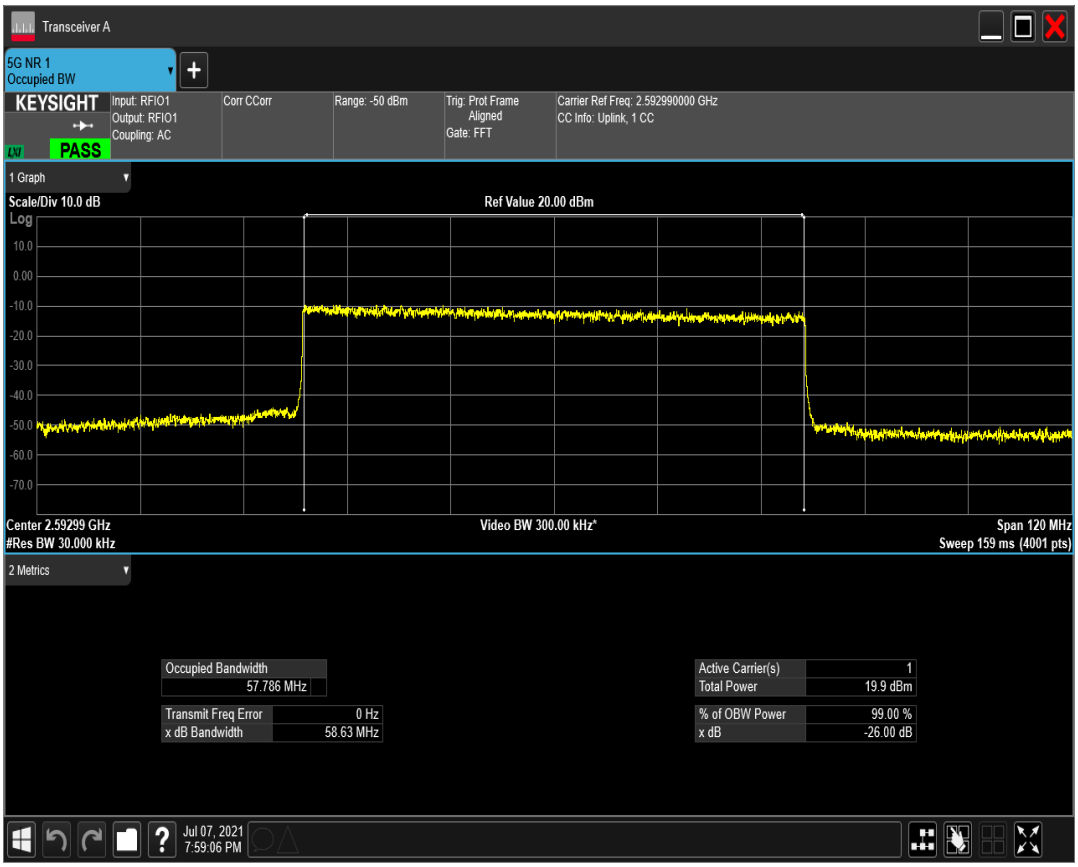
n41 SCS=30kHz DFT_QAM256 BW=50MHz Channel=518598 RB=128@0



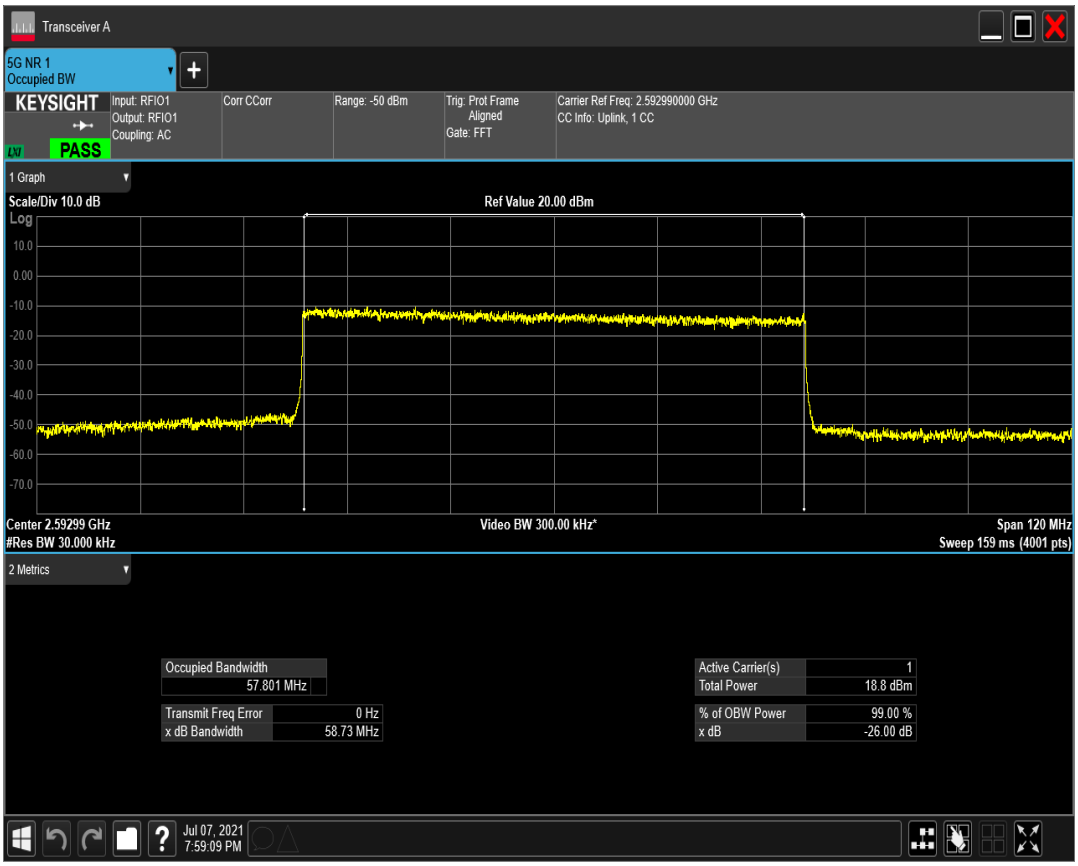
n41 SCS=30kHz DFT_BPSK BW=60MHz Channel=518598 RB=162@0



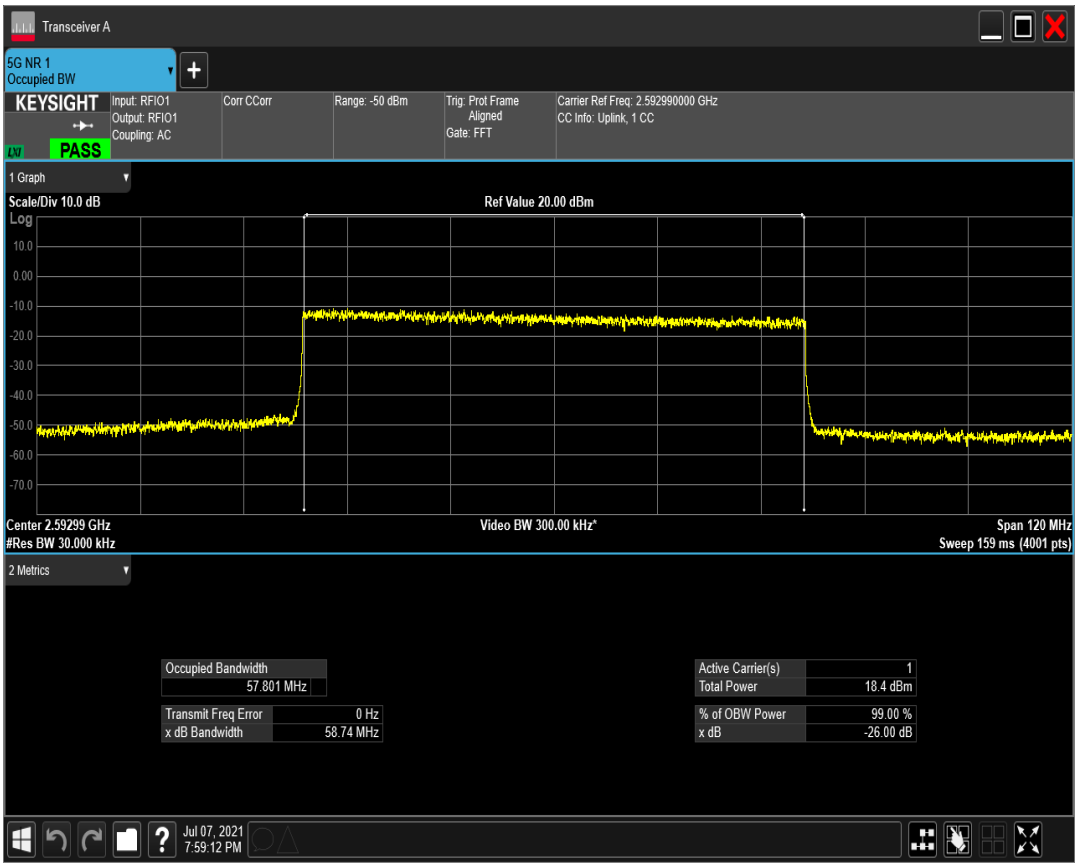
n41 SCS=30kHz DFT_QPSK BW=60MHz Channel=518598 RB=162@0



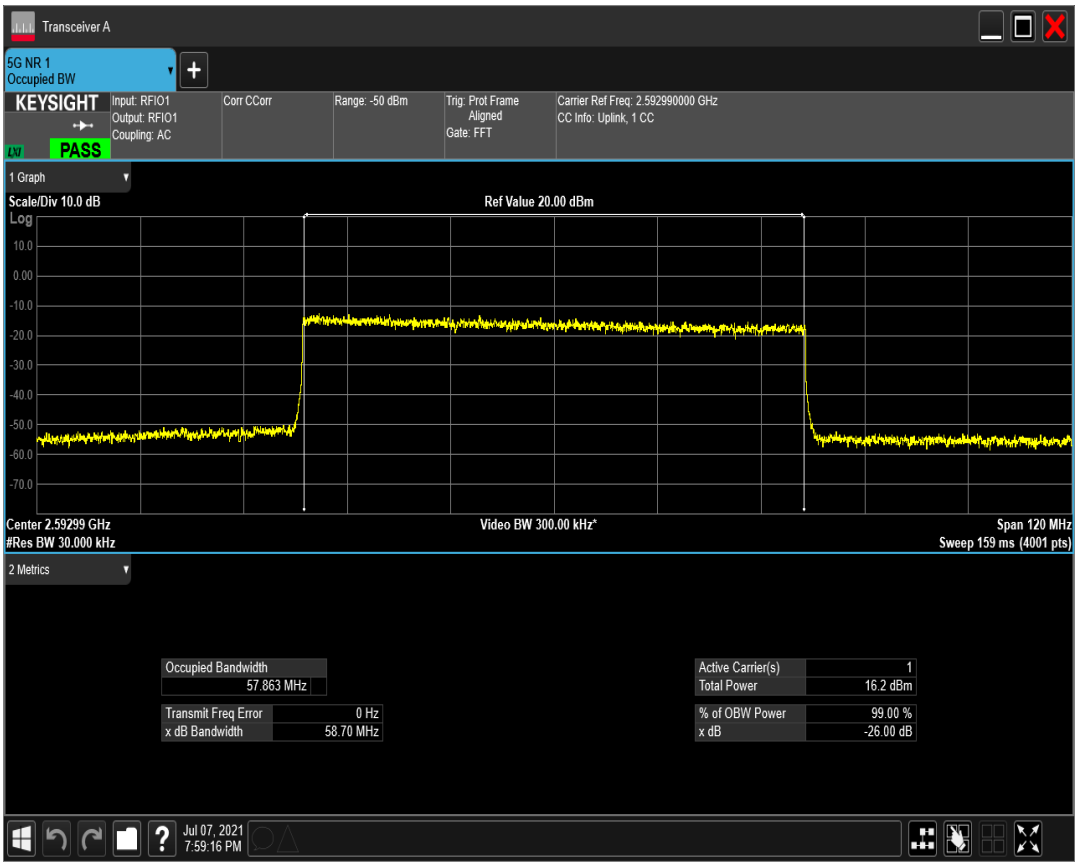
n41 SCS=30kHz DFT_QAM16 BW=60MHz Channel=518598 RB=162@0



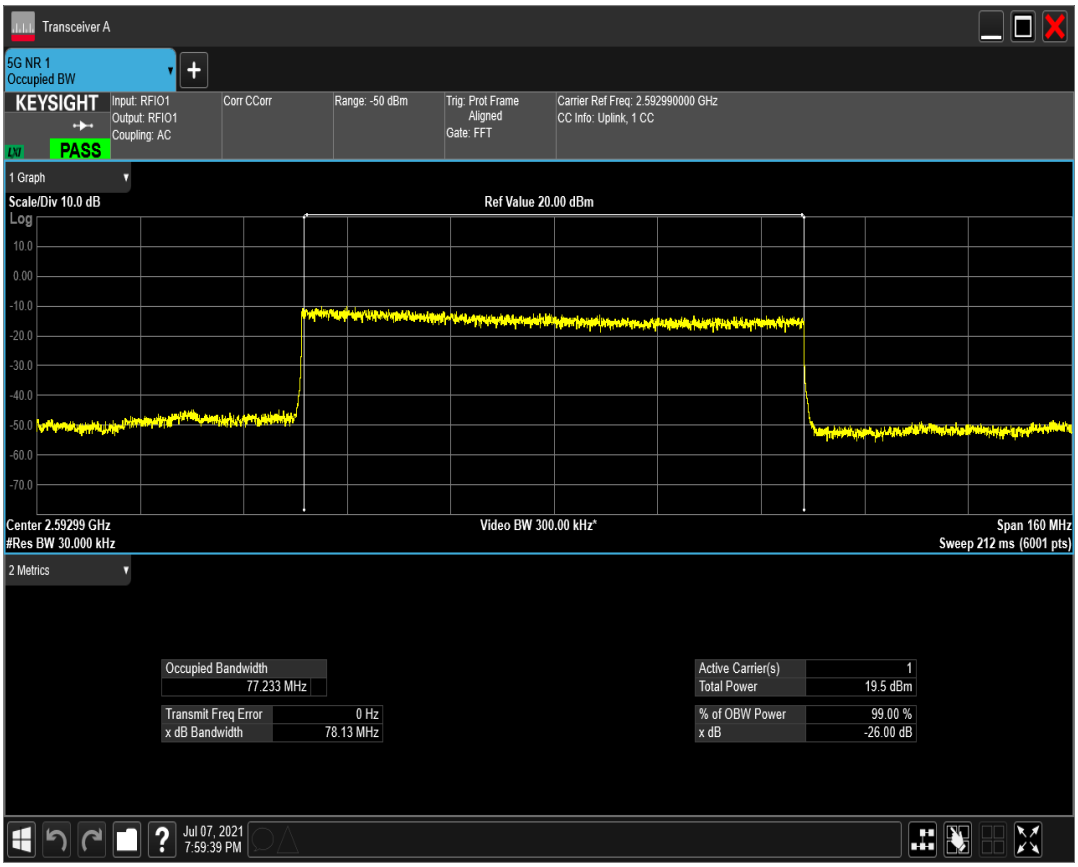
n41 SCS=30kHz DFT_QAM64 BW=60MHz Channel=518598 RB=162@0



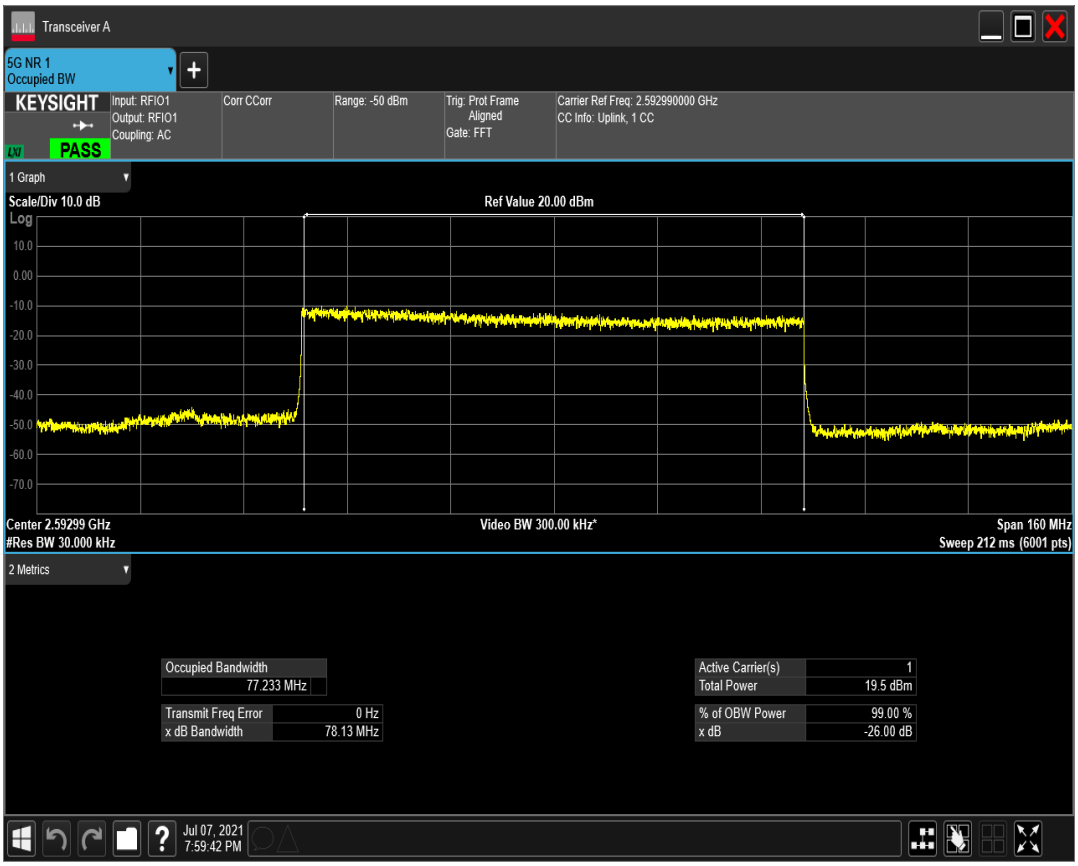
n41 SCS=30kHz DFT_QAM256 BW=60MHz Channel=518598 RB=162@0



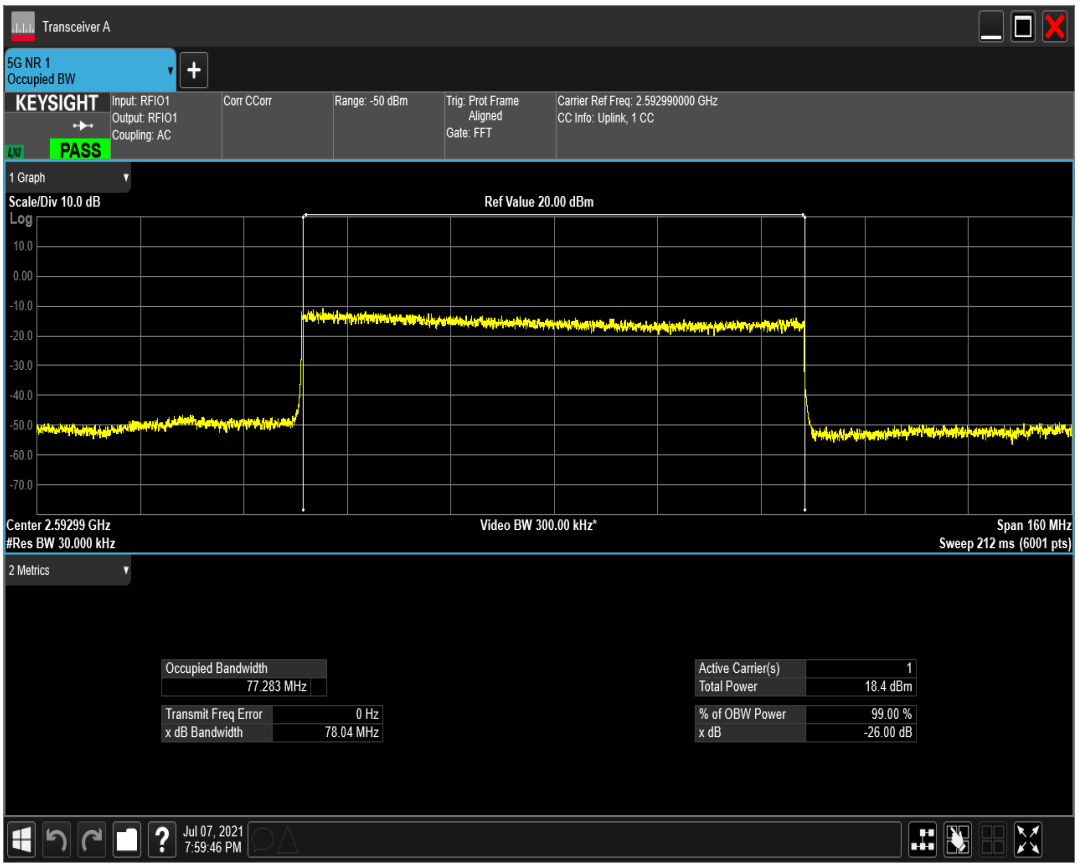
n41 SCS=30kHz DFT_BPSK BW=80MHz Channel=518598 RB=216@0



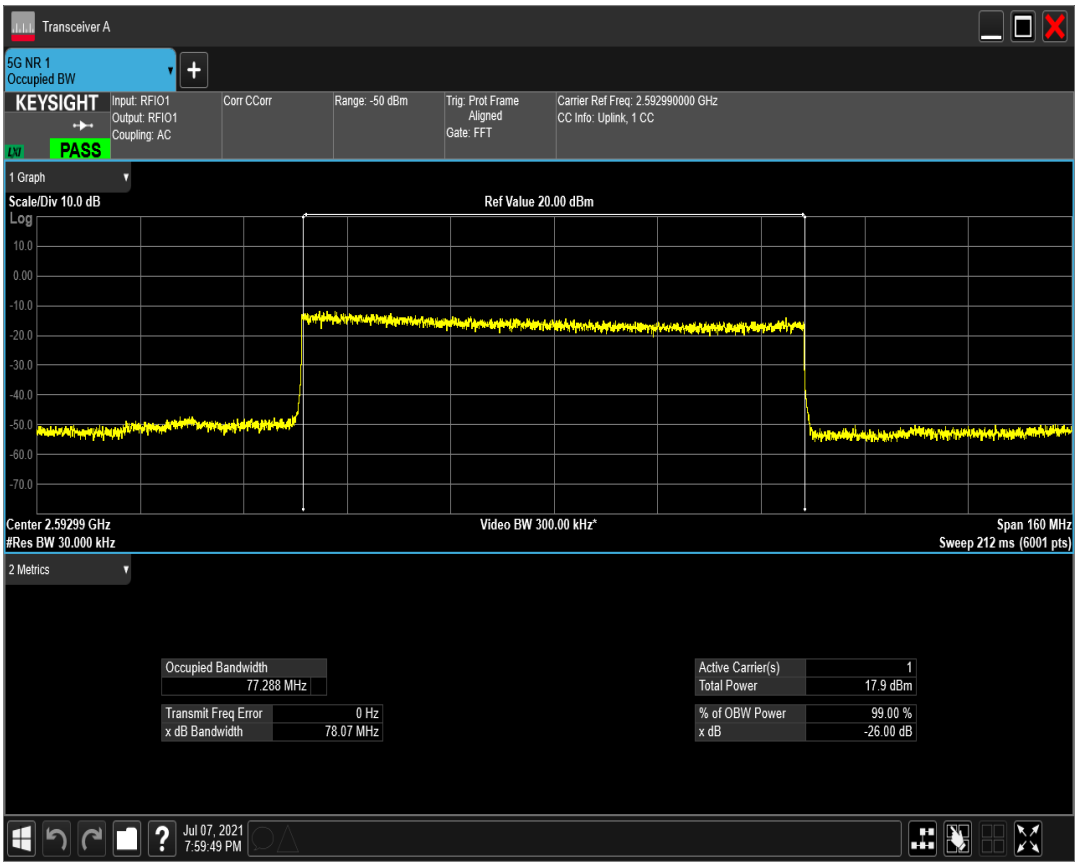
n41 SCS=30kHz DFT_QPSK BW=80MHz Channel=518598 RB=216@0



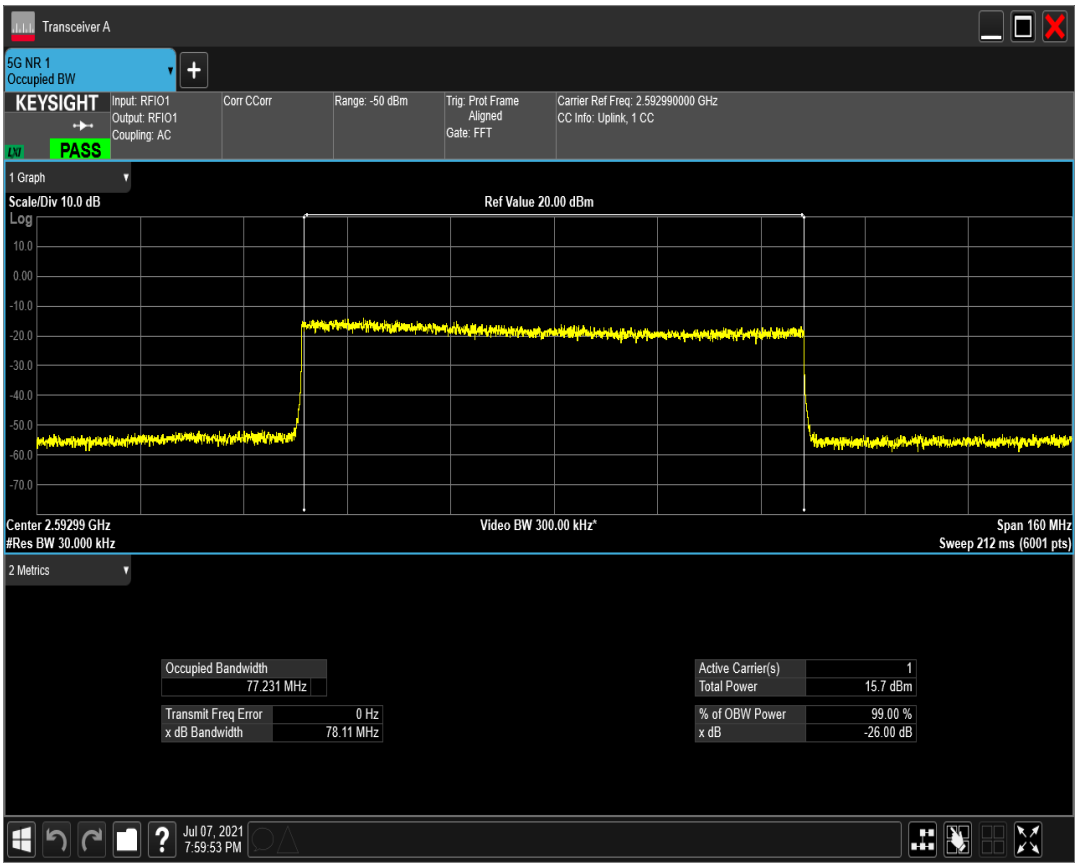
n41 SCS=30kHz DFT_QAM16 BW=80MHz Channel=518598 RB=216@0



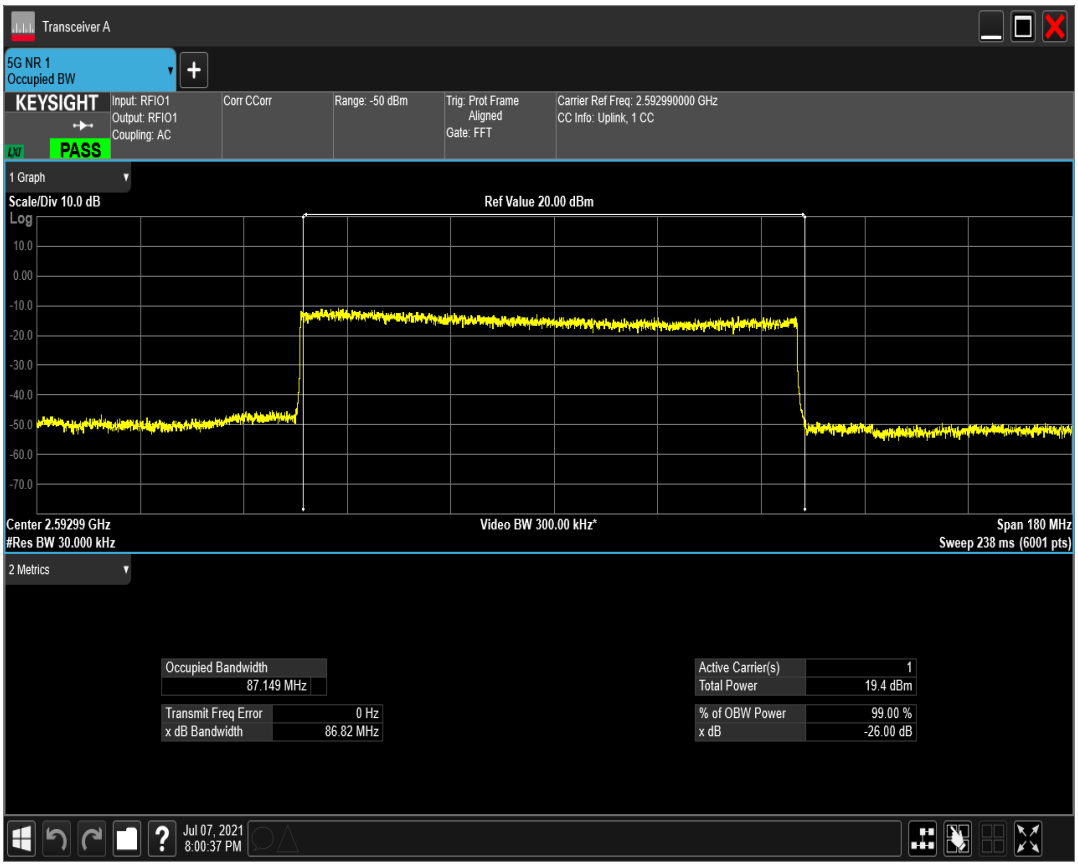
n41 SCS=30kHz DFT_QAM64 BW=80MHz Channel=518598 RB=216@0



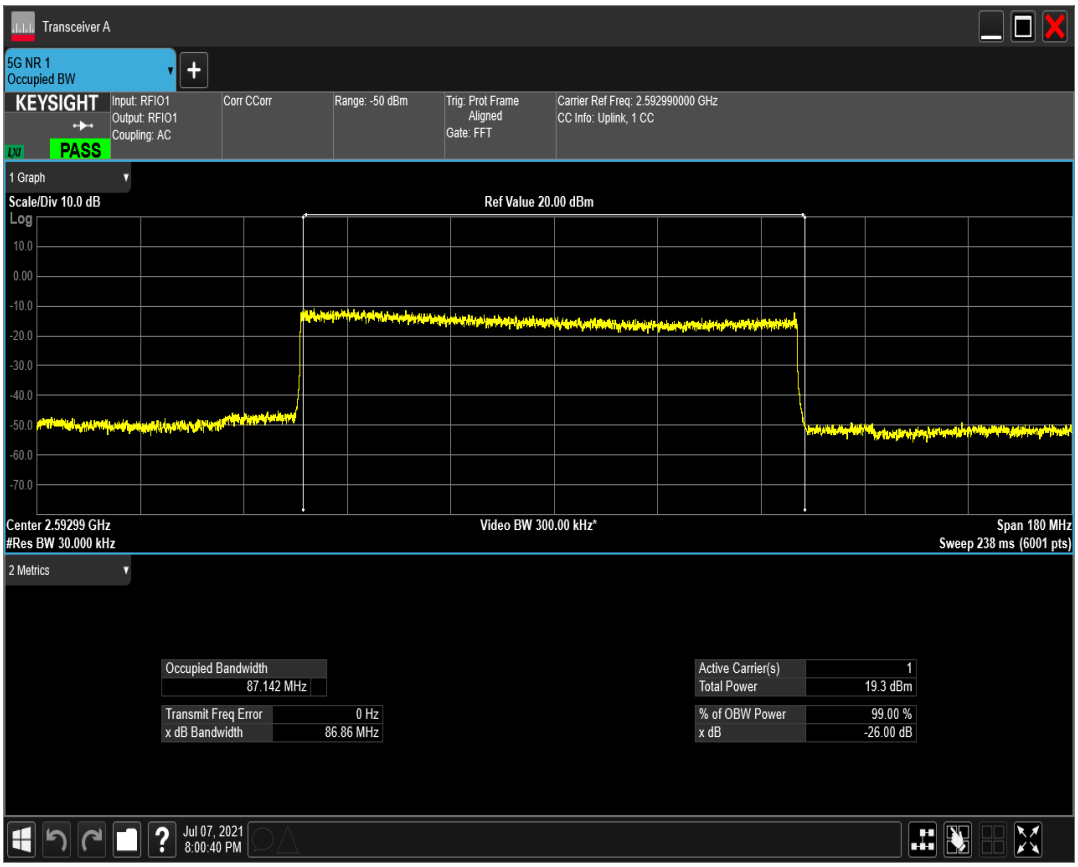
n41 SCS=30kHz DFT_QAM256 BW=80MHz Channel=518598 RB=216@0



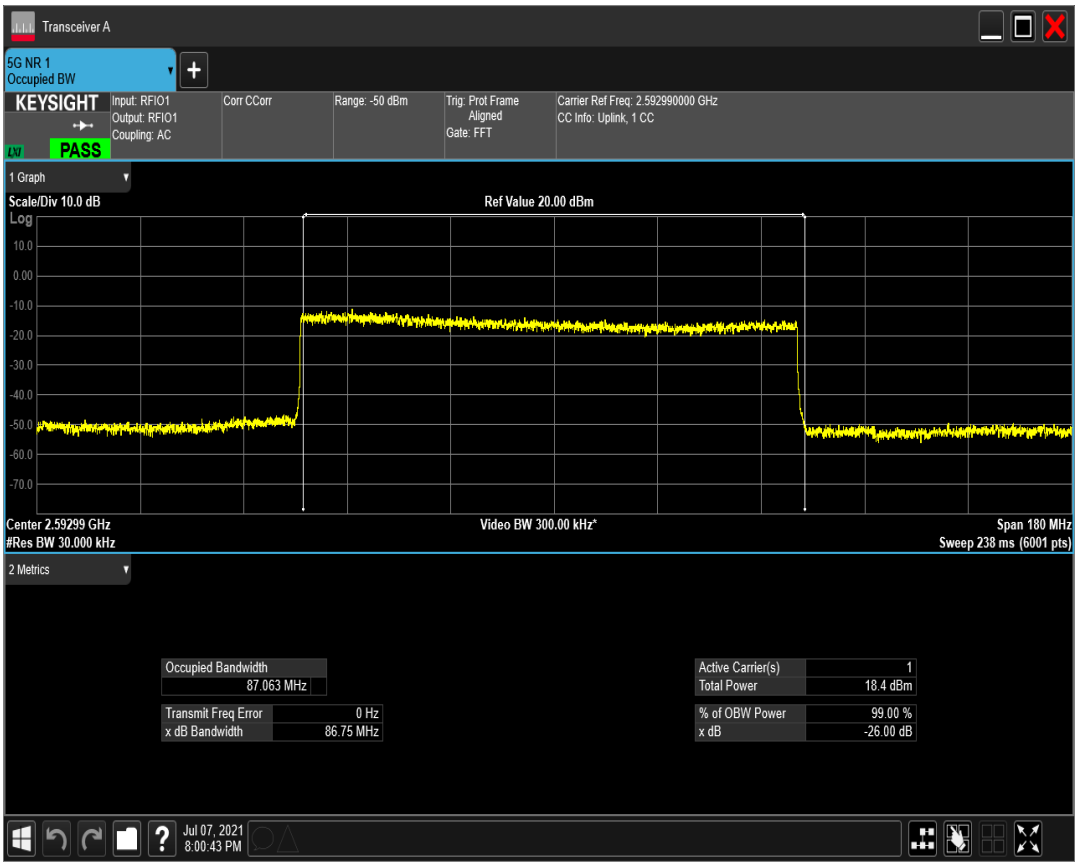
n41 SCS=30kHz DFT_BPSK BW=90MHz Channel=518598 RB=240@0



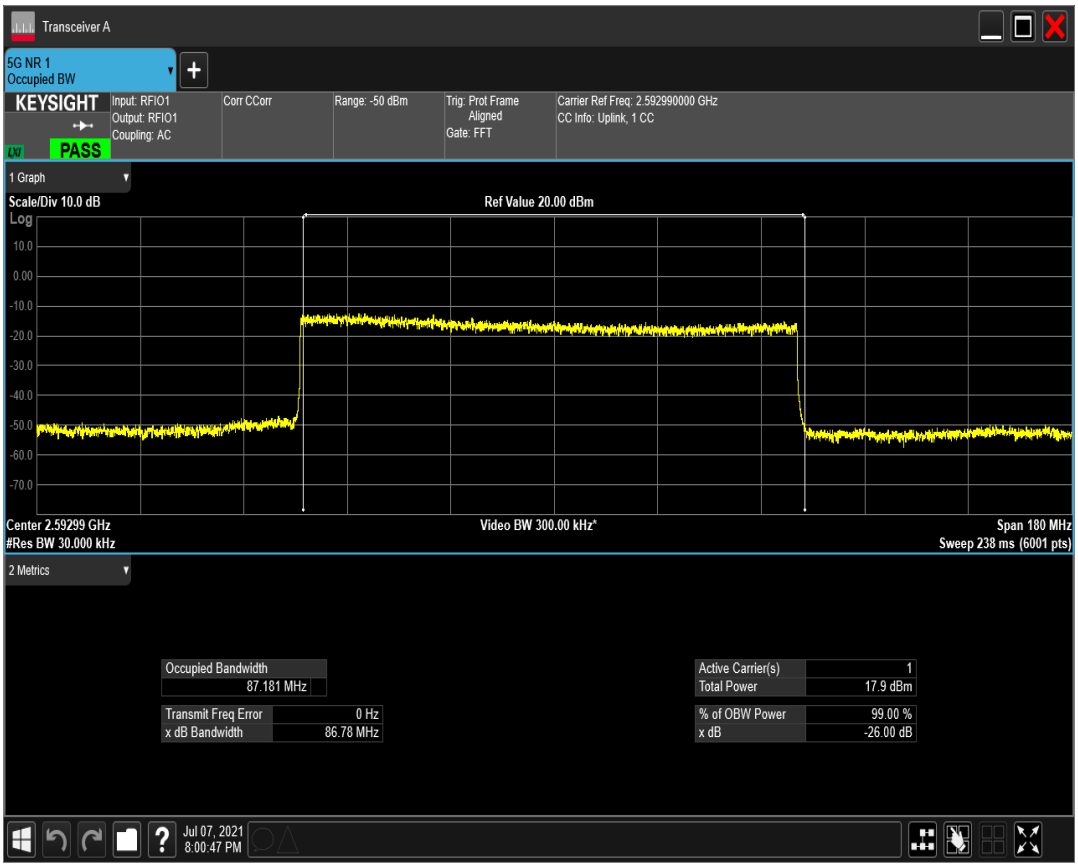
n41 SCS=30kHz DFT_QPSK BW=90MHz Channel=518598 RB=240@0



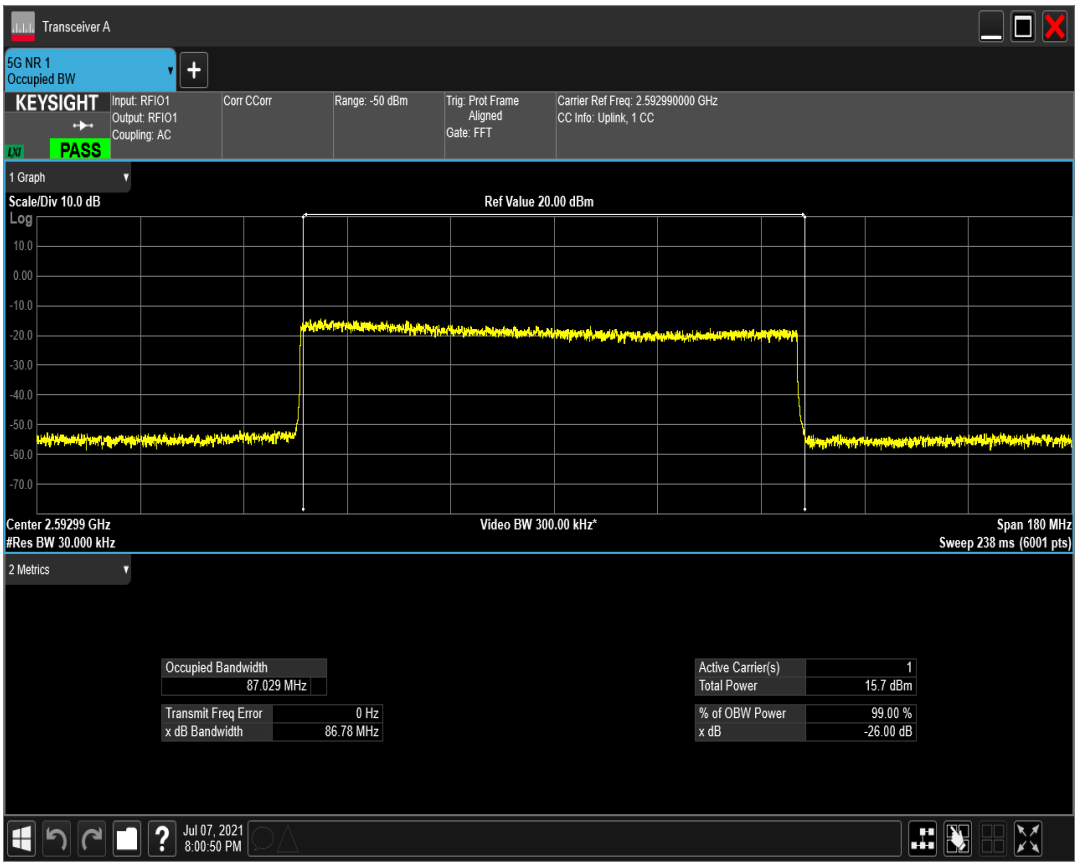
n41 SCS=30kHz DFT_QAM16 BW=90MHz Channel=518598 RB=240@0



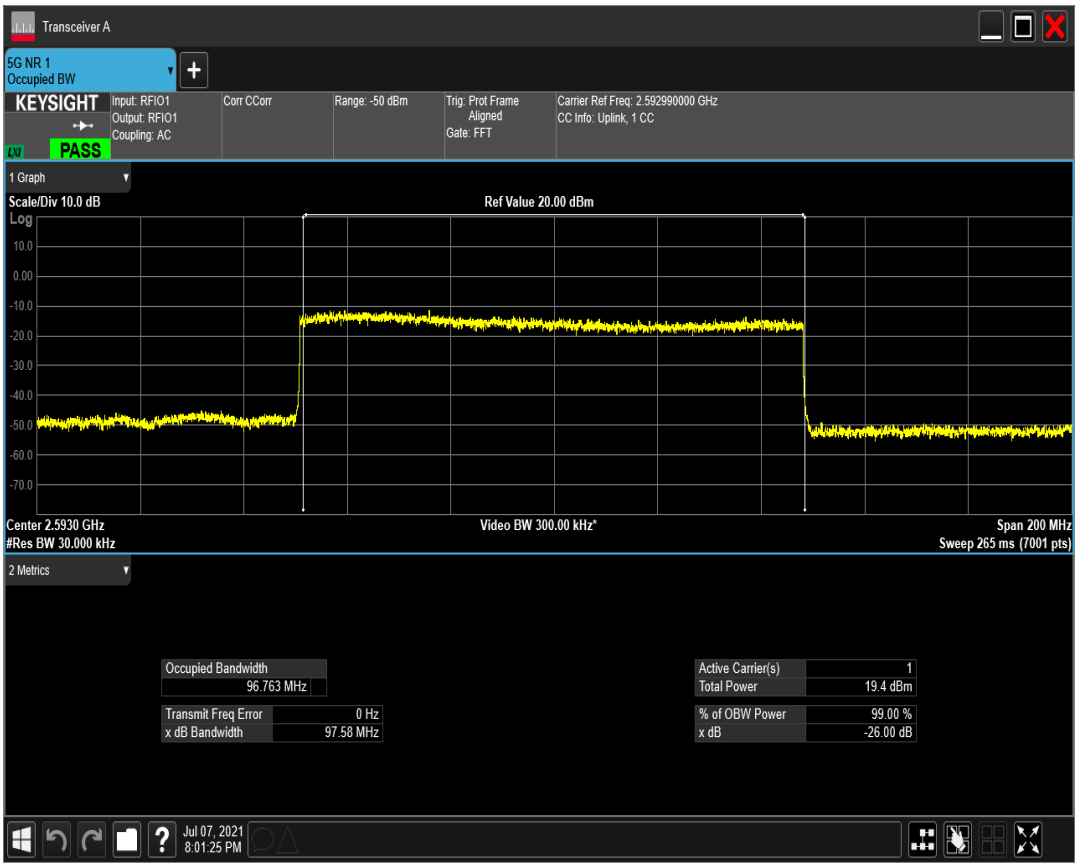
n41 SCS=30kHz DFT_QAM64 BW=90MHz Channel=518598 RB=240@0



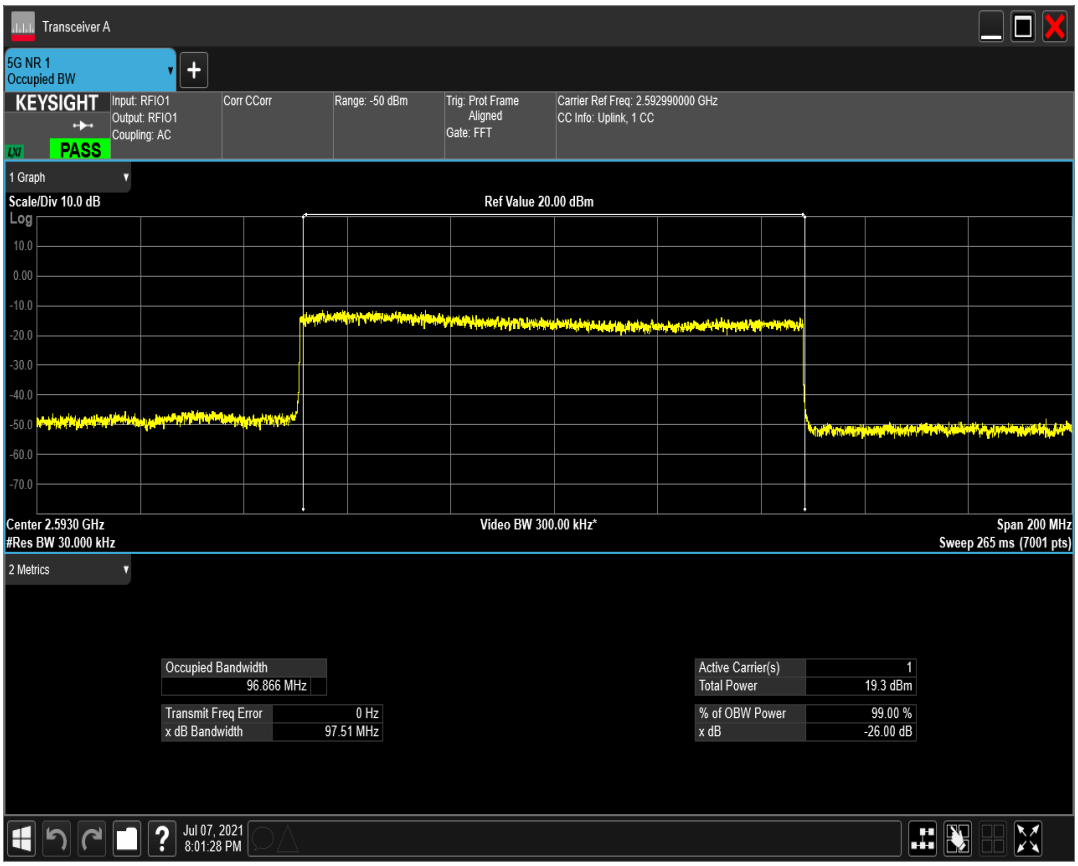
n41 SCS=30kHz DFT_QAM256 BW=90MHz Channel=518598 RB=240@0



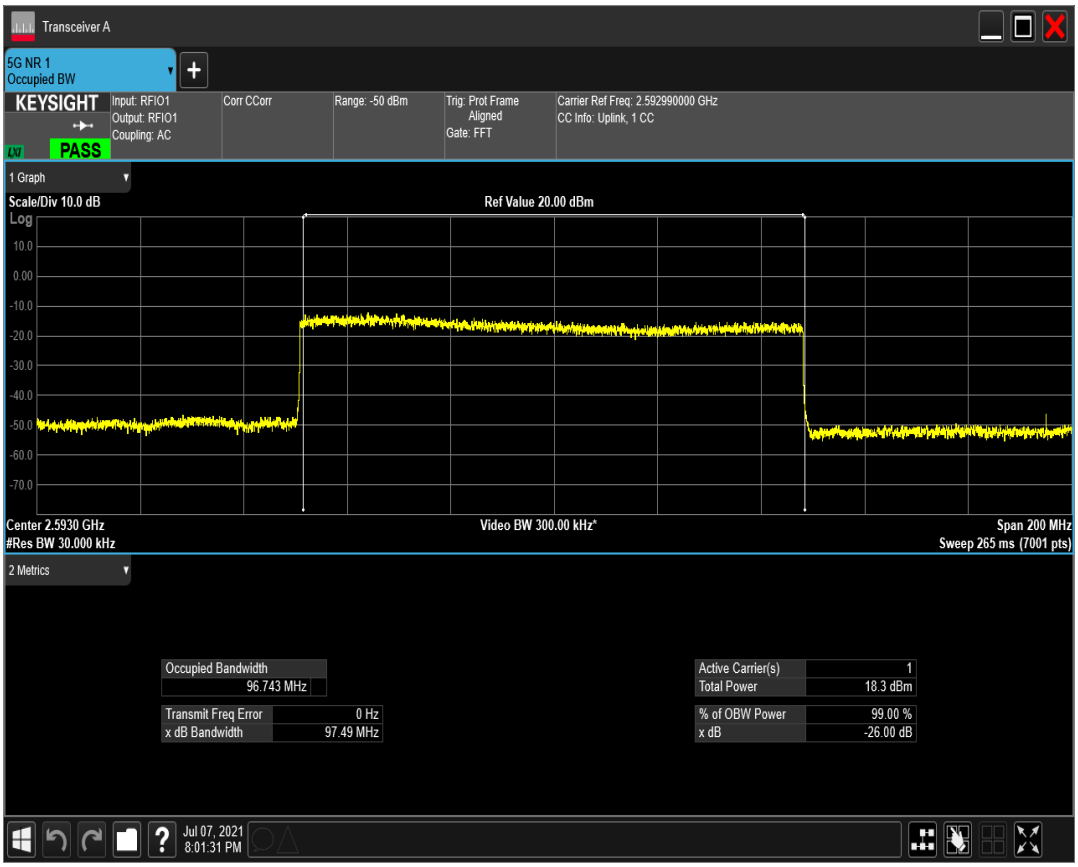
n41 SCS=30kHz DFT_BPSK BW=100MHz Channel=518598 RB=270@0



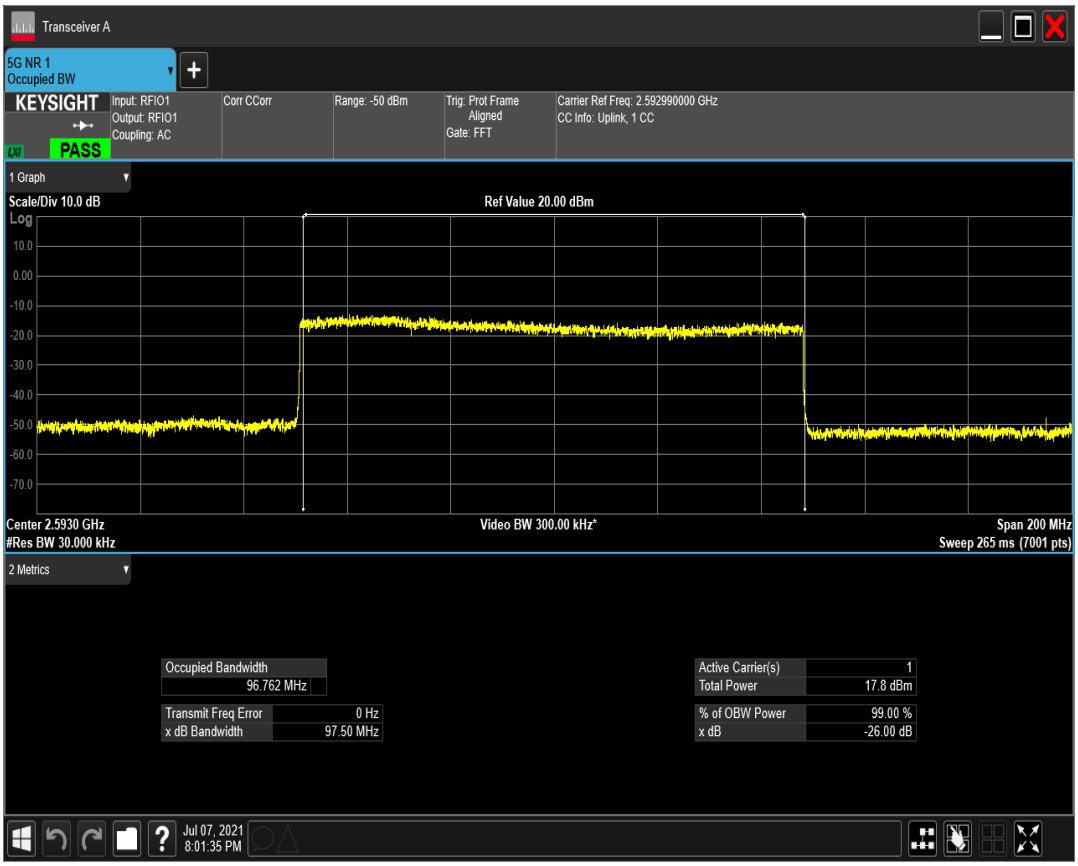
n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=518598 RB=270@0



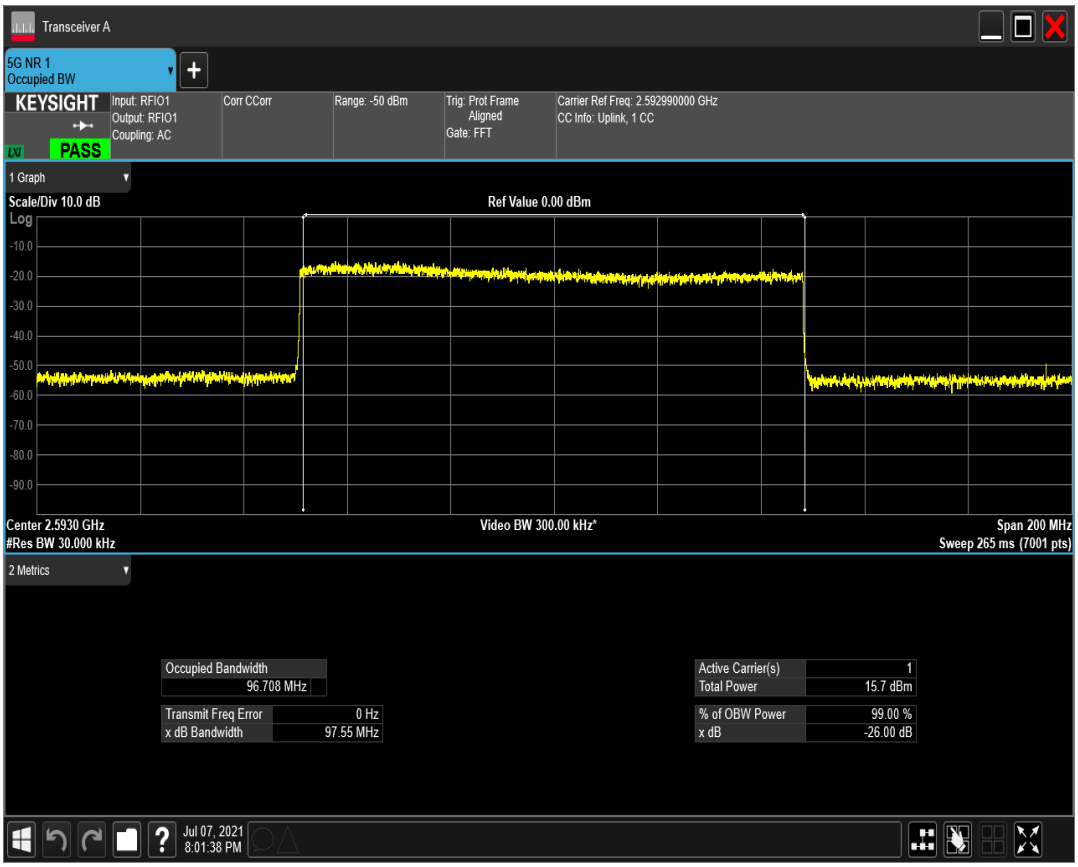
n41 SCS=30kHz DFT_QAM16 BW=100MHz Channel=518598 RB=270@0



n41 SCS=30kHz DFT_QAM64 BW=100MHz Channel=518598 RB=270@0



n41 SCS=30kHz DFT_QAM256 BW=100MHz Channel=518598 RB=270@0



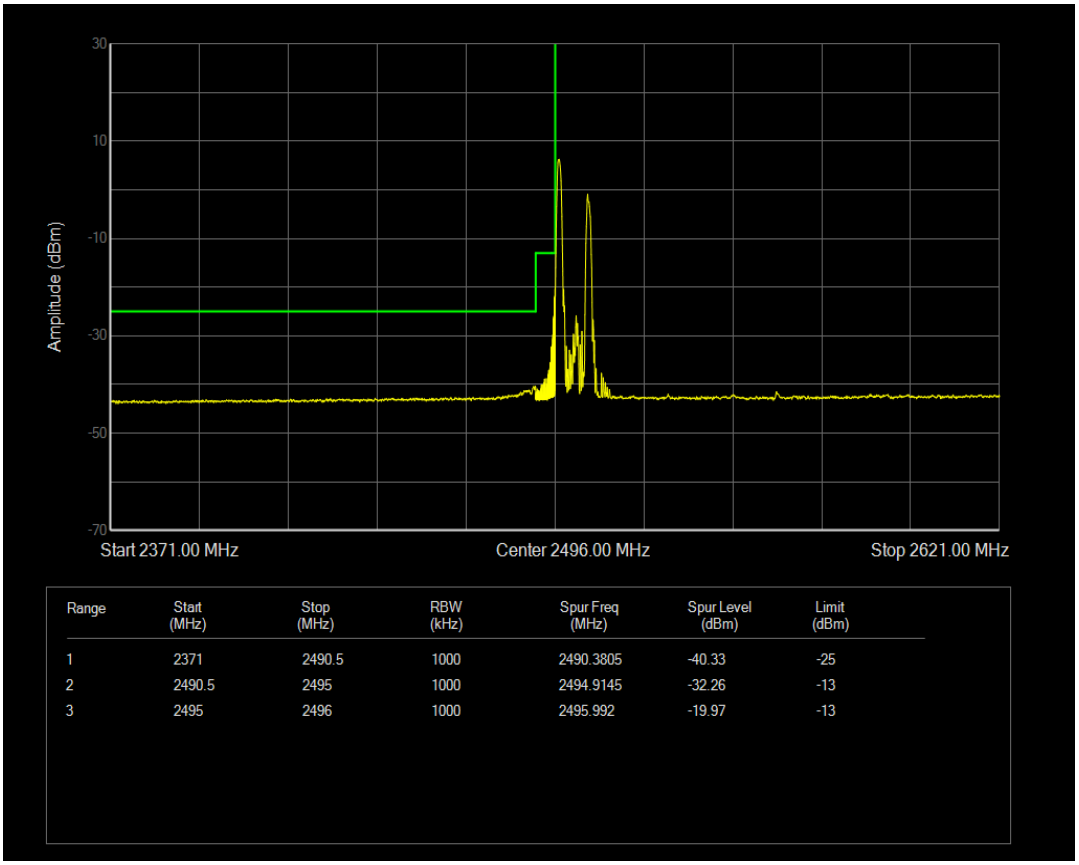
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n41	30	10	500202	24@0	DFT_QPSK	2490.35	-33.37	-25	PASS
n41	30	10	500202	1@0	DFT_QPSK	2490.47	-34.29	-25	PASS
n41	30	10	537000	24@0	DFT_QPSK	2700.06	-41.61	-25	PASS
n41	30	10	537000	1@23	DFT_QPSK	2691.08	-26.70	-10	PASS
n41	30	15	500700	36@0	DFT_QPSK	2490.24	-32.14	-25	PASS
n41	30	15	500700	1@0	DFT_QPSK	2490.50	-34.59	-25	PASS
n41	30	15	536496	36@0	DFT_QPSK	2705.44	-42.15	-25	PASS
n41	30	15	536496	1@37	DFT_QPSK	2708.75	-42.33	-25	PASS
n41	30	20	501204	50@0	DFT_QPSK	2490.46	-34.42	-25	PASS
n41	30	20	501204	1@0	DFT_QPSK	2489.95	-36.49	-25	PASS
n41	30	20	535998	50@0	DFT_QPSK	2714.72	-42.35	-25	PASS
n41	30	20	535998	1@50	DFT_QPSK	2714.63	-42.36	-25	PASS
n41	30	40	503202	100@0	DFT_QPSK	2489.79	-38.01	-25	PASS
n41	30	40	503202	1@0	DFT_QPSK	2489.92	-39.23	-25	PASS
n41	30	40	534000	100@0	DFT_QPSK	2731.13	-42.32	-25	PASS
n41	30	40	534000	1@105	DFT_QPSK	2690.03	-19.52	-10	PASS
n41	30	50	504204	128@0	DFT_QPSK	2489.59	-35.66	-25	PASS
n41	30	50	504204	1@0	DFT_QPSK	2489.30	-38.66	-25	PASS
n41	30	50	532998	128@0	DFT_QPSK	2748.90	-42.55	-25	PASS

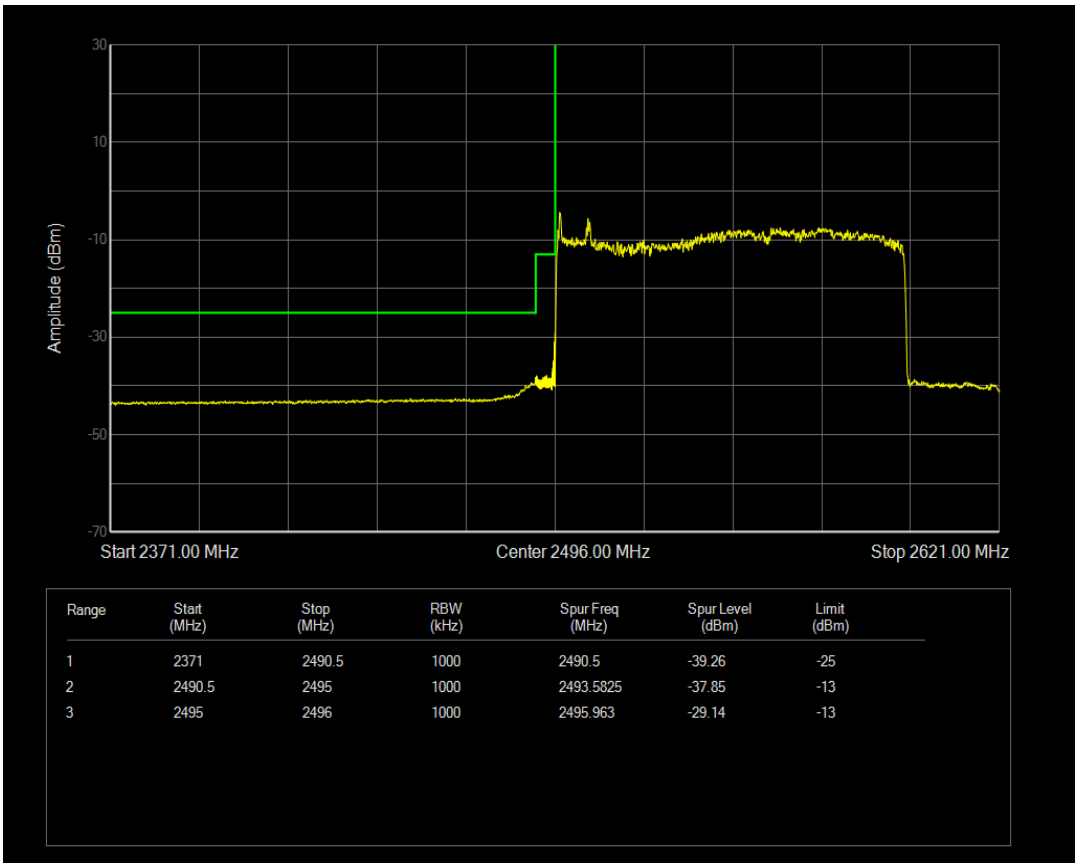
n41	30	50	532998	1@132	DFT_QPSK	2690.01	-20.87	-10	PASS
n41	30	60	505200	162@0	DFT_QPSK	2490.29	-39.23	-25	PASS
n41	30	60	505200	1@0	DFT_QPSK	2495.96	-24.78	-13	PASS
n41	30	60	531996	162@0	DFT_QPSK	2760.10	-42.54	-25	PASS
n41	30	60	531996	1@161	DFT_QPSK	2690.03	-18.67	-10	PASS
n41	30	80	507204	216@0	DFT_QPSK	2489.84	-39.83	-25	PASS
n41	30	80	507204	1@0	DFT_QPSK	2495.95	-20.34	-13	PASS
n41	30	80	529998	216@0	DFT_QPSK	2774.12	-42.38	-25	PASS
n41	30	80	529998	1@216	DFT_QPSK	2690.02	-21.85	-10	PASS
n41	30	90	508200	240@0	DFT_QPSK	2490.39	-39.63	-25	PASS
n41	30	90	508200	1@0	DFT_QPSK	2496.00	-18.98	-13	PASS
n41	30	90	528996	240@0	DFT_QPSK	2781.58	-42.41	-25	PASS
n41	30	90	528996	1@244	DFT_QPSK	2690.07	-22.03	-10	PASS
n41	30	100	509202	270@0	DFT_QPSK	2490.50	-39.26	-25	PASS
n41	30	100	509202	1@0	DFT_QPSK	2495.99	-19.97	-13	PASS
n41	30	100	528000	270@0	DFT_QPSK	2794.00	-42.46	-25	PASS
n41	30	100	528000	1@272	DFT_QPSK	2690.01	-18.62	-10	PASS

Note: Pre-Scan al modulation and all Bandwidth, and the report only reflects the worst mode

n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=509202 RB=1@0

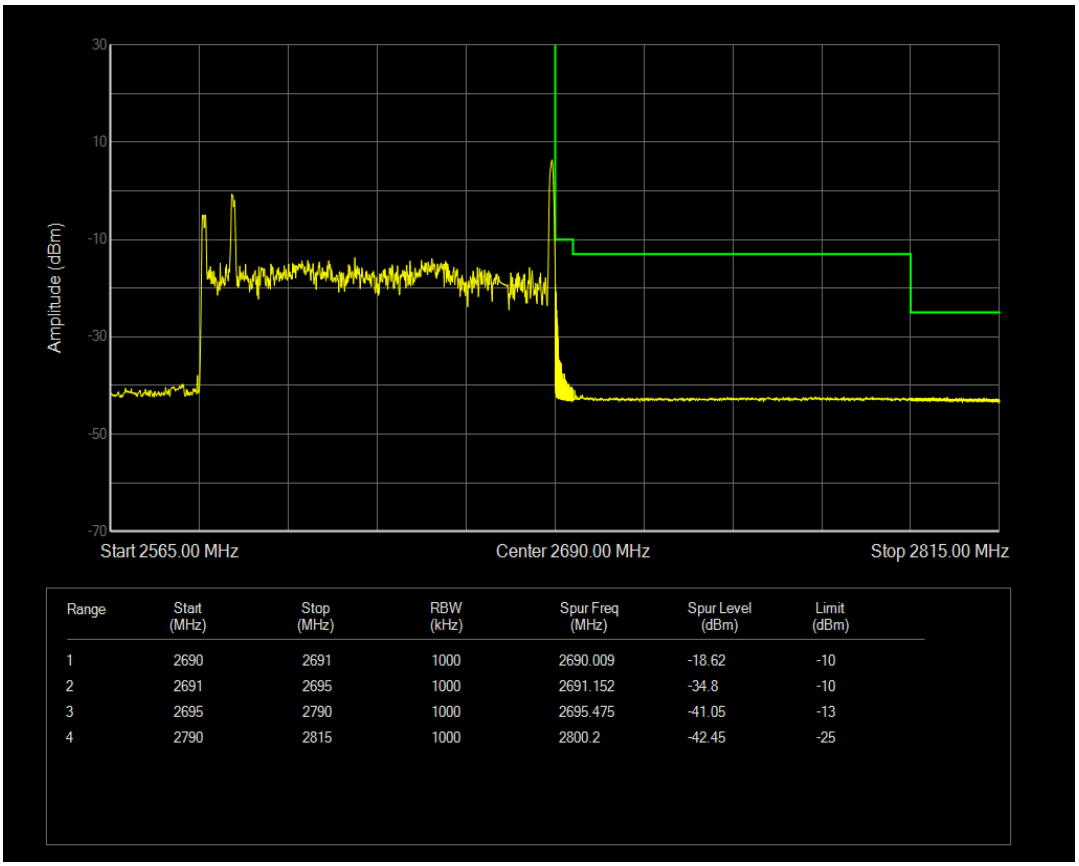


n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=509202 RB=270@0



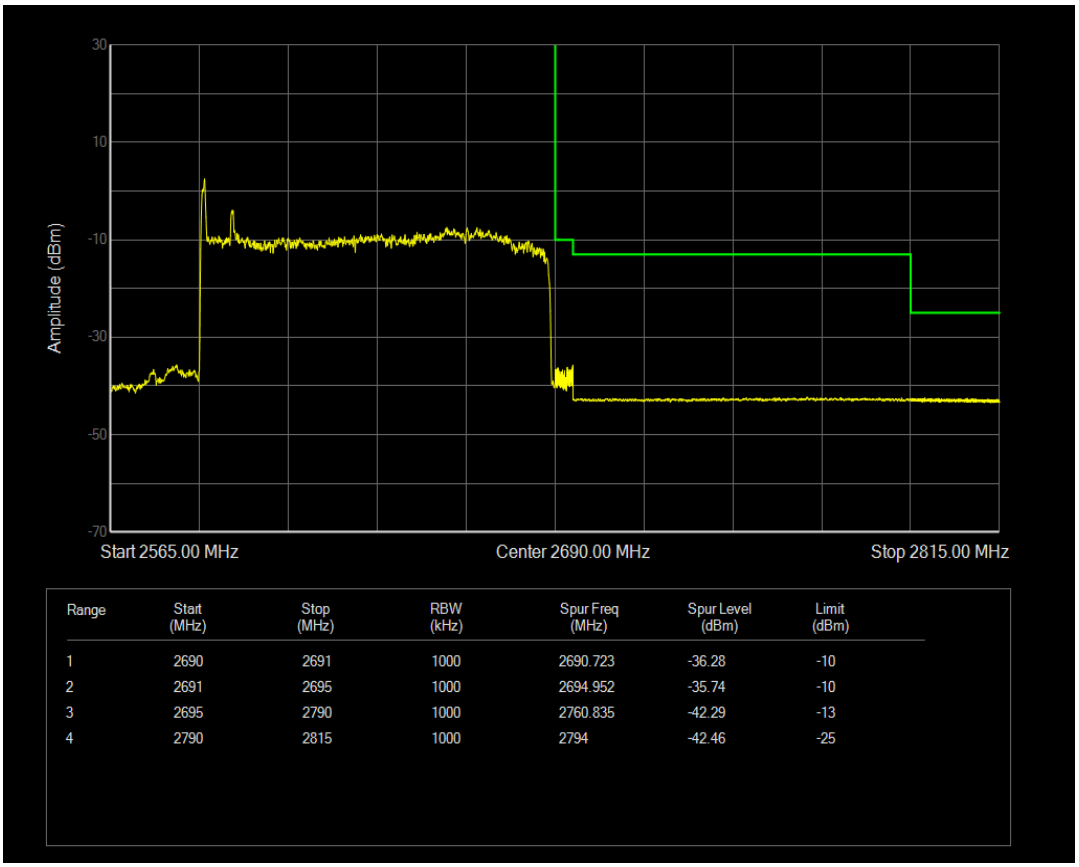
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2371	2490.5	1000	2490.5	-39.26	-25
2	2490.5	2495	1000	2493.5825	-37.85	-13
3	2495	2496	1000	2495.963	-29.14	-13

n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=528000 RB=1@272



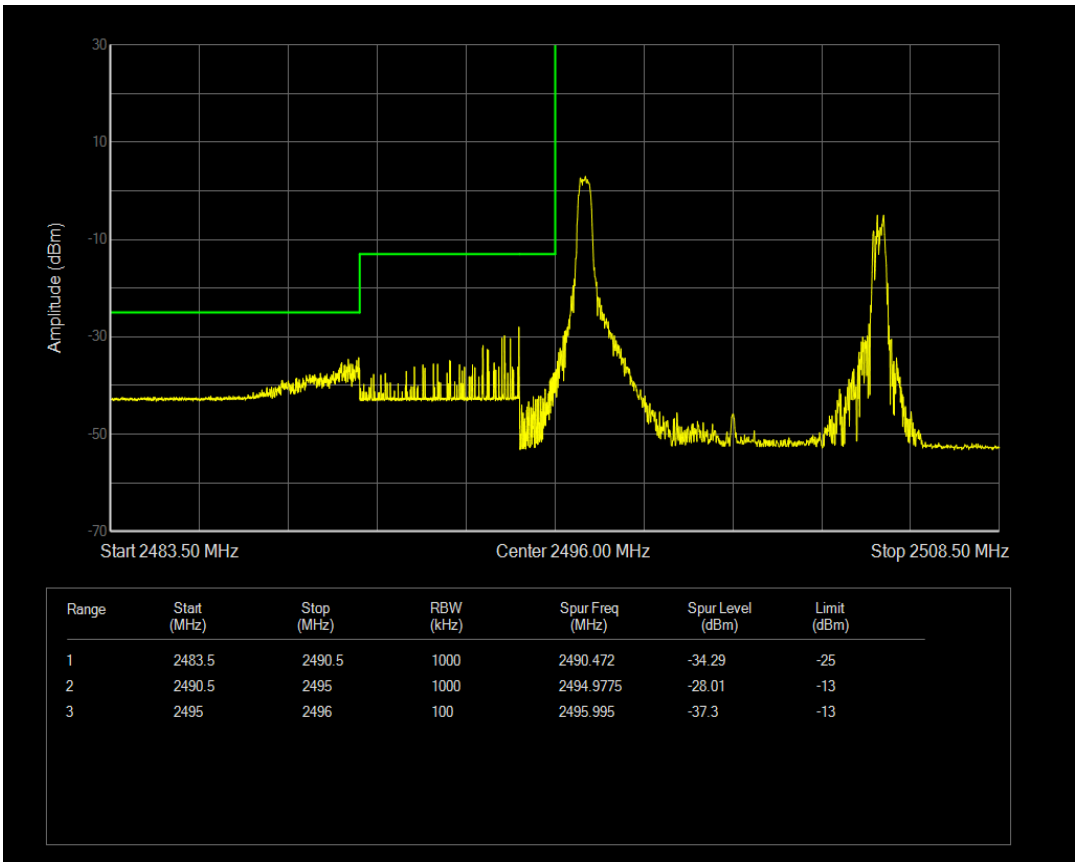
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	1000	2690.009	-18.62	-10
2	2691	2695	1000	2691.152	-34.8	-10
3	2695	2790	1000	2695.475	-41.05	-13
4	2790	2815	1000	2800.2	-42.45	-25

n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=528000 RB=270@0



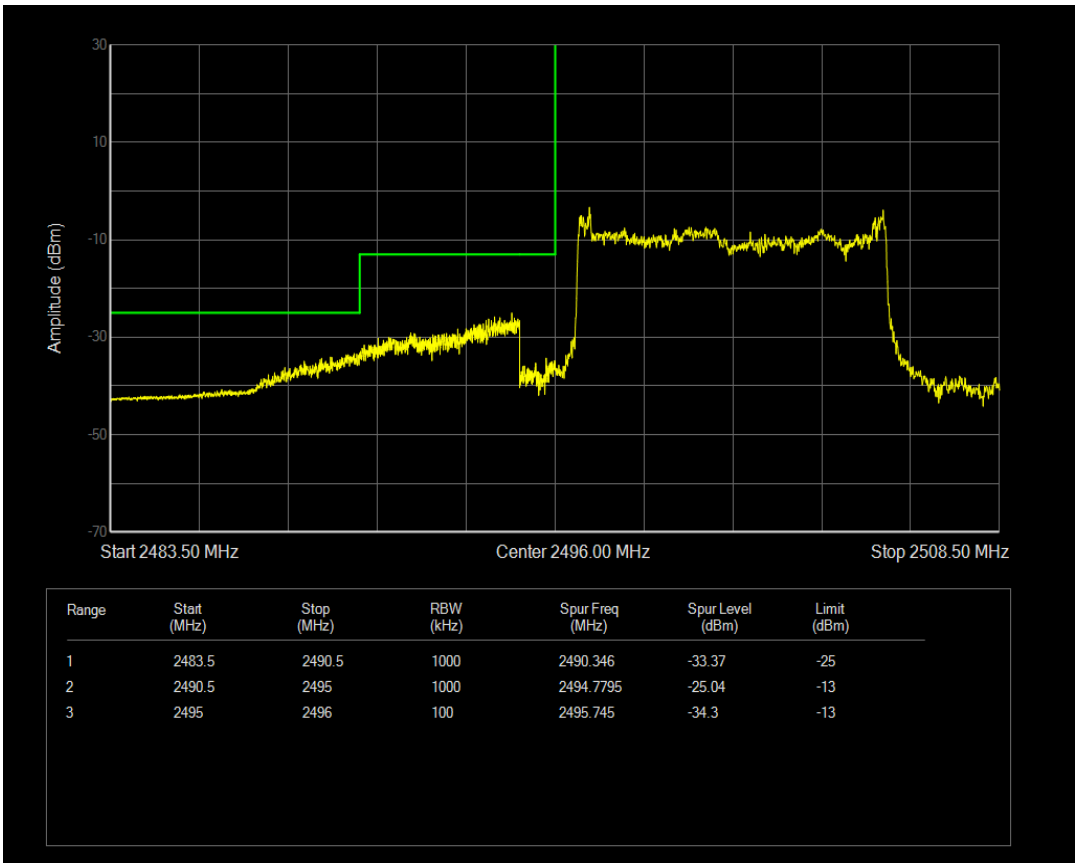
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	1000	2690.723	-36.28	-10
2	2691	2695	1000	2694.952	-35.74	-10
3	2695	2790	1000	2760.835	-42.29	-13
4	2790	2815	1000	2794	-42.46	-25

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=500202 RB=1@0



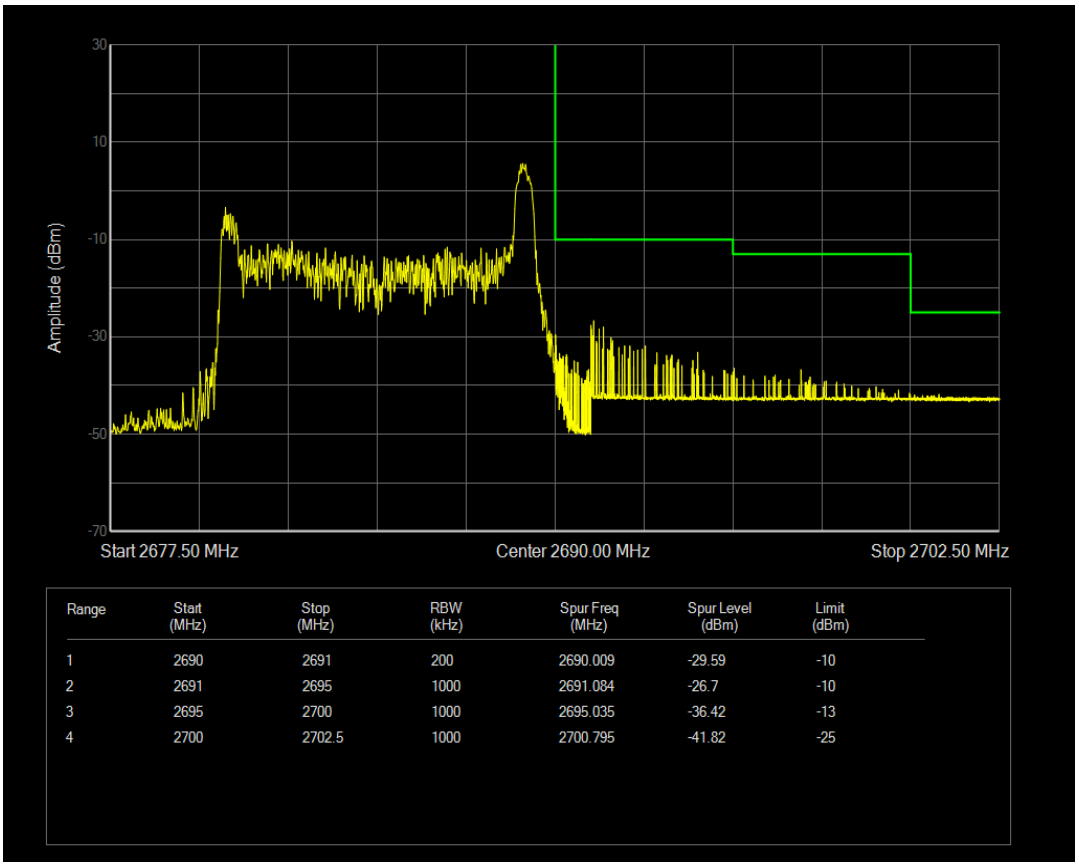
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2483.5	2490.5	1000	2490.472	-34.29	-25
2	2490.5	2495	1000	2494.9775	-28.01	-13
3	2495	2496	100	2495.995	-37.3	-13

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=500202 RB=24@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2483.5	2490.5	1000	2490.346	-33.37	-25
2	2490.5	2495	1000	2494.7795	-25.04	-13
3	2495	2496	100	2495.745	-34.3	-13

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=537000 RB=1@23

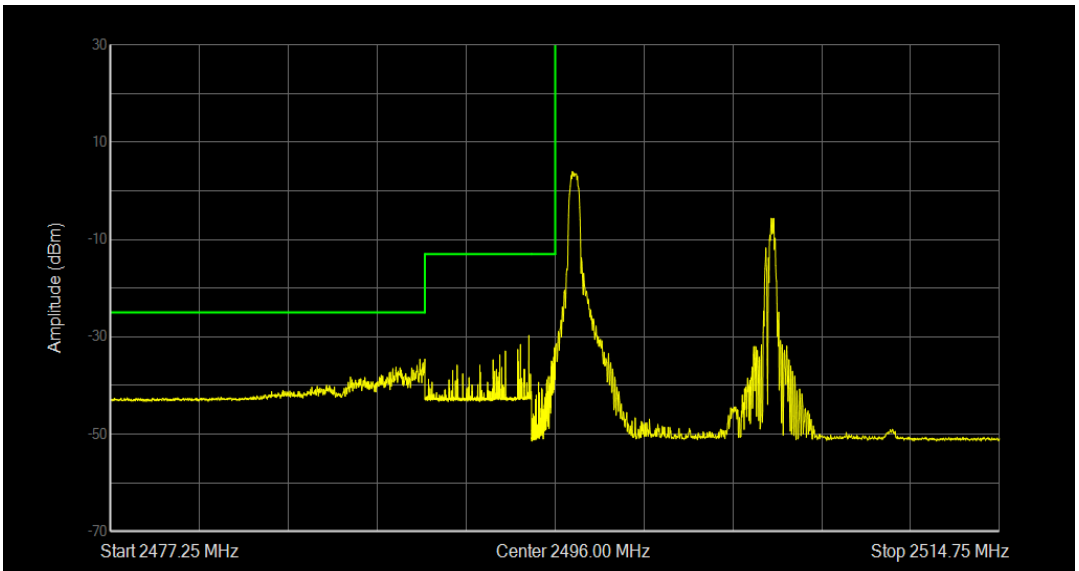


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	200	2690.009	-29.59	-10
2	2691	2695	1000	2691.084	-26.7	-10
3	2695	2700	1000	2695.035	-36.42	-13
4	2700	2702.5	1000	2700.795	-41.82	-25

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=537000 RB=24@0

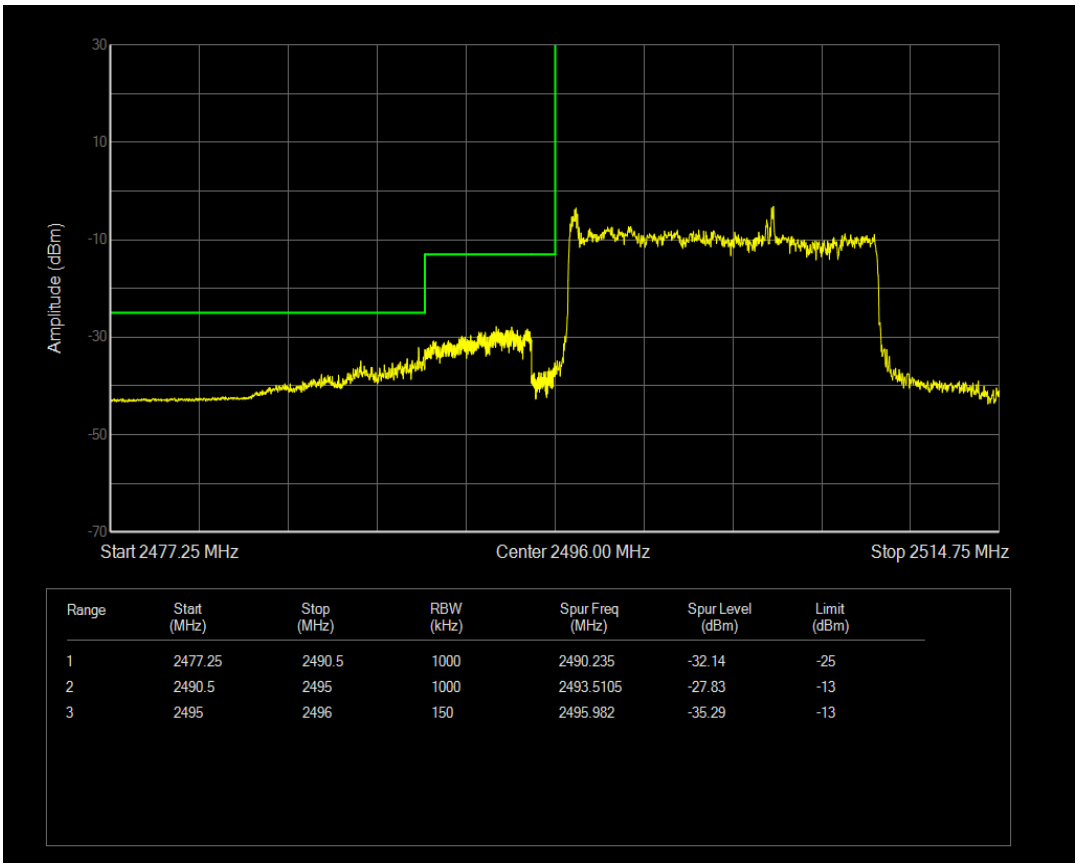
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	200	2690.036	-38.01	-10
2	2691	2695	1000	2691.772	-34.37	-10
3	2695	2700	1000	2695.41	-36.52	-13
4	2700	2702.5	1000	2700.0575	-41.61	-25

n41 SCS=30kHz DFT_QPSK BW=15MHz Channel=500700 RB=1@0



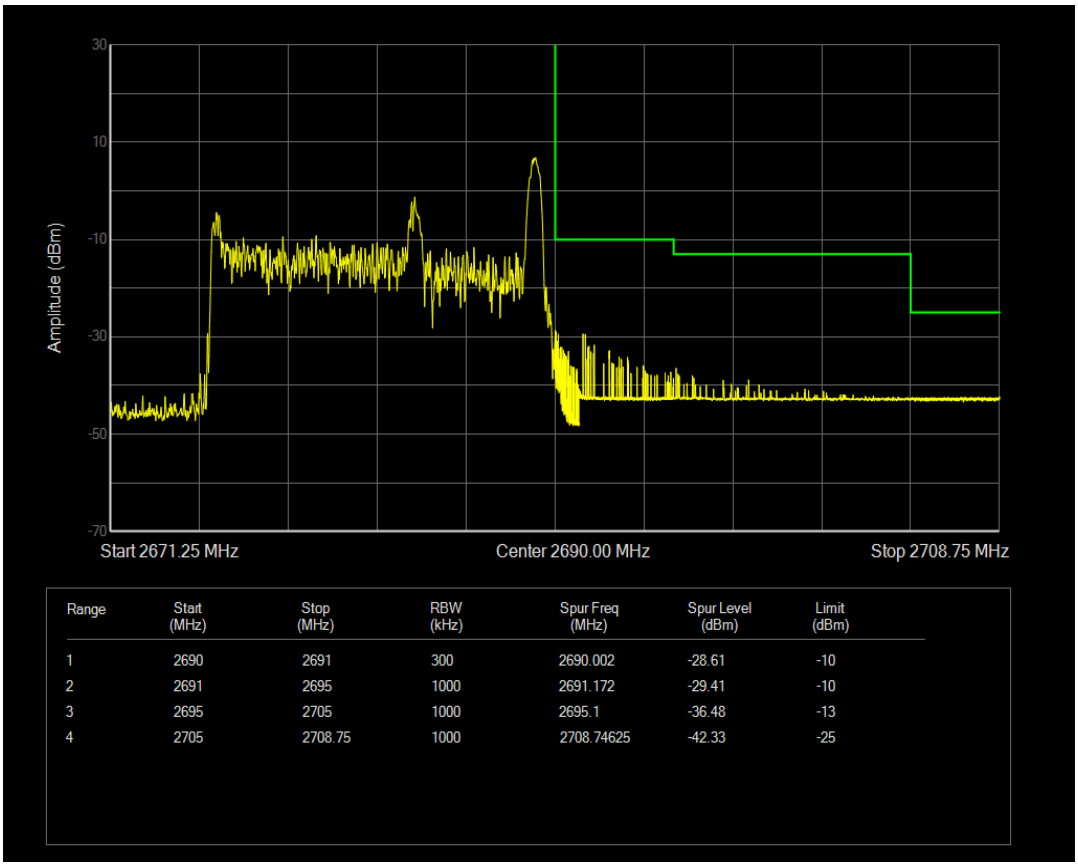
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2477.25	2490.5	1000	2490.5	-34.59	-25
2	2490.5	2495	1000	2494.8875	-29.71	-13
3	2495	2496	150	2495.975	-32.24	-13

n41 SCS=30kHz DFT_QPSK BW=15MHz Channel=500700 RB=36@0



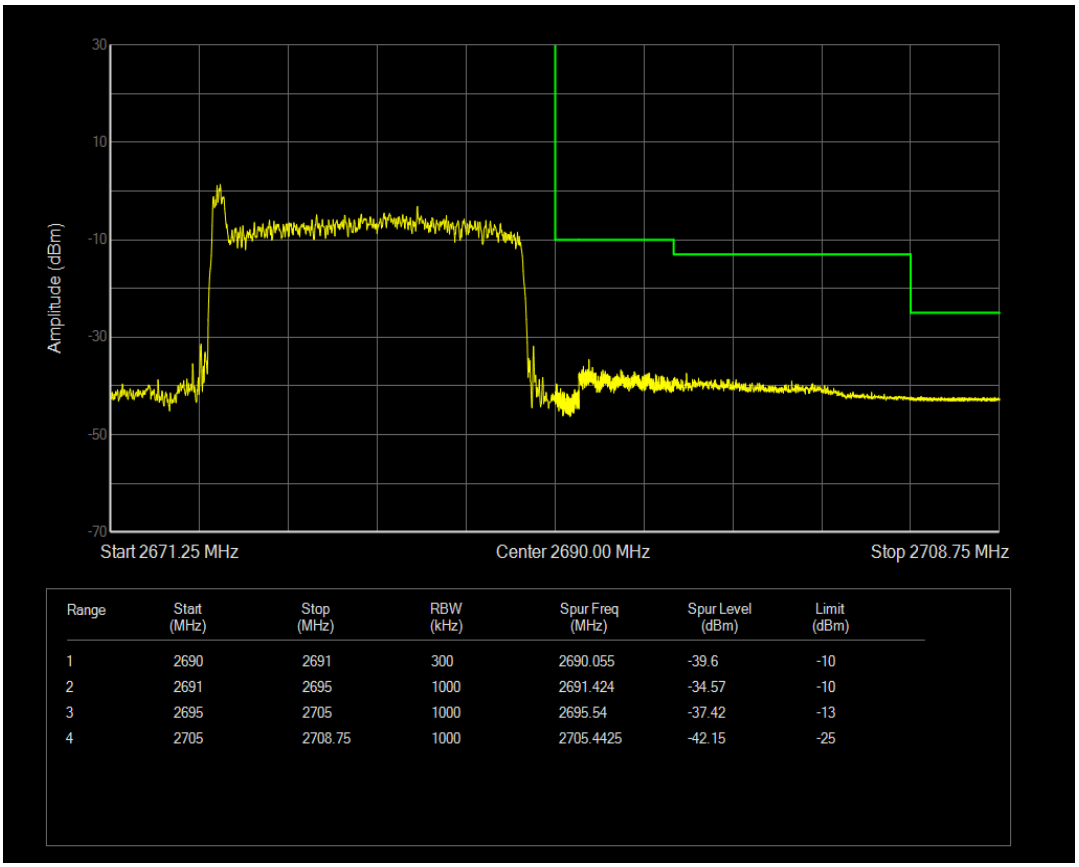
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2477.25	2490.5	1000	2490.235	-32.14	-25
2	2490.5	2495	1000	2493.5105	-27.83	-13
3	2495	2496	150	2495.982	-35.29	-13

n41 SCS=30kHz DFT_QPSK BW=15MHz Channel=536496 RB=1@37



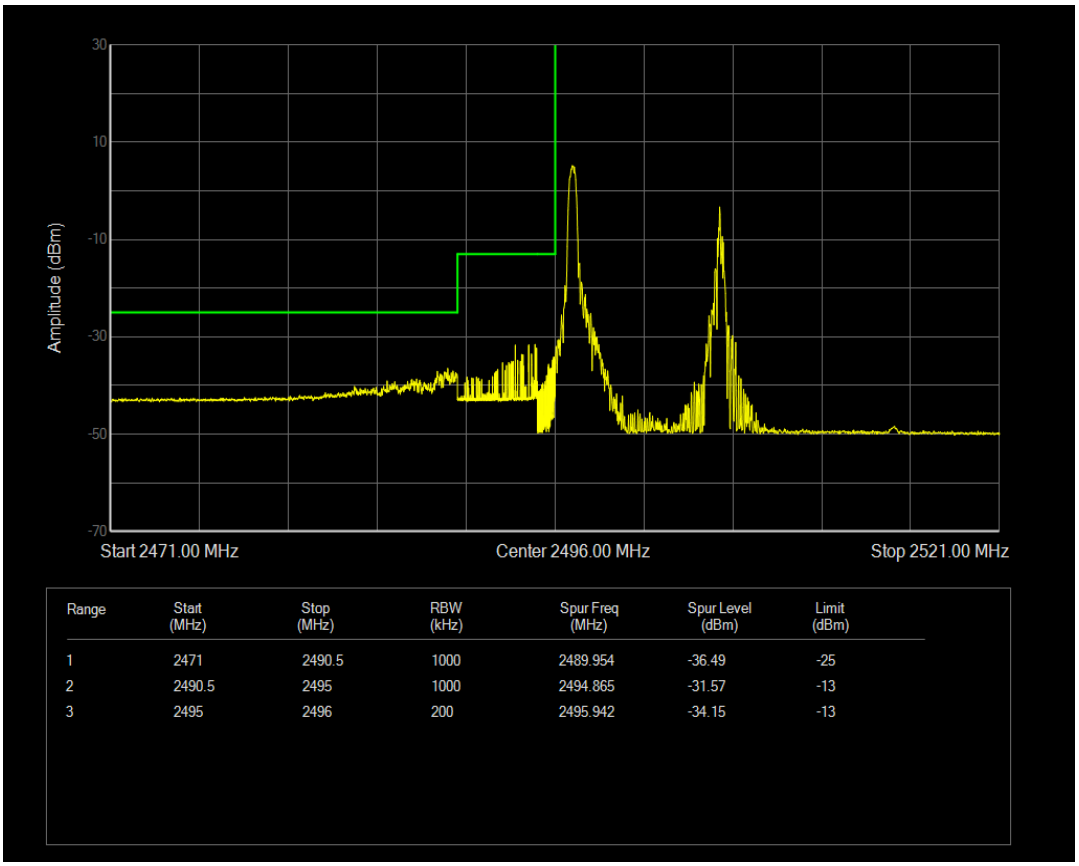
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	300	2690.002	-28.61	-10
2	2691	2695	1000	2691.172	-29.41	-10
3	2695	2705	1000	2695.1	-36.48	-13
4	2705	2708.75	1000	2708.74625	-42.33	-25

n41 SCS=30kHz DFT_QPSK BW=15MHz Channel=536496 RB=36@0



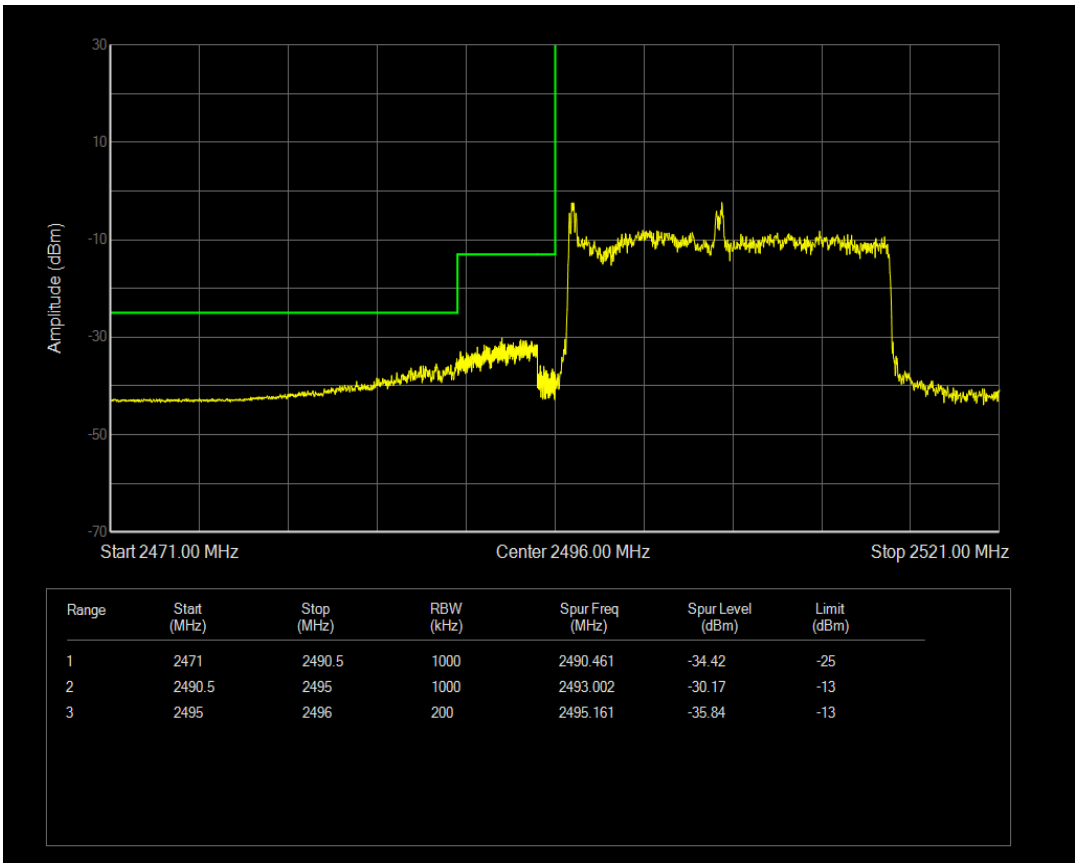
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	300	2690.055	-39.6	-10
2	2691	2695	1000	2691.424	-34.57	-10
3	2695	2705	1000	2695.54	-37.42	-13
4	2705	2708.75	1000	2705.4425	-42.15	-25

n41 SCS=30kHz DFT_QPSK BW=20MHz Channel=501204 RB=1@0



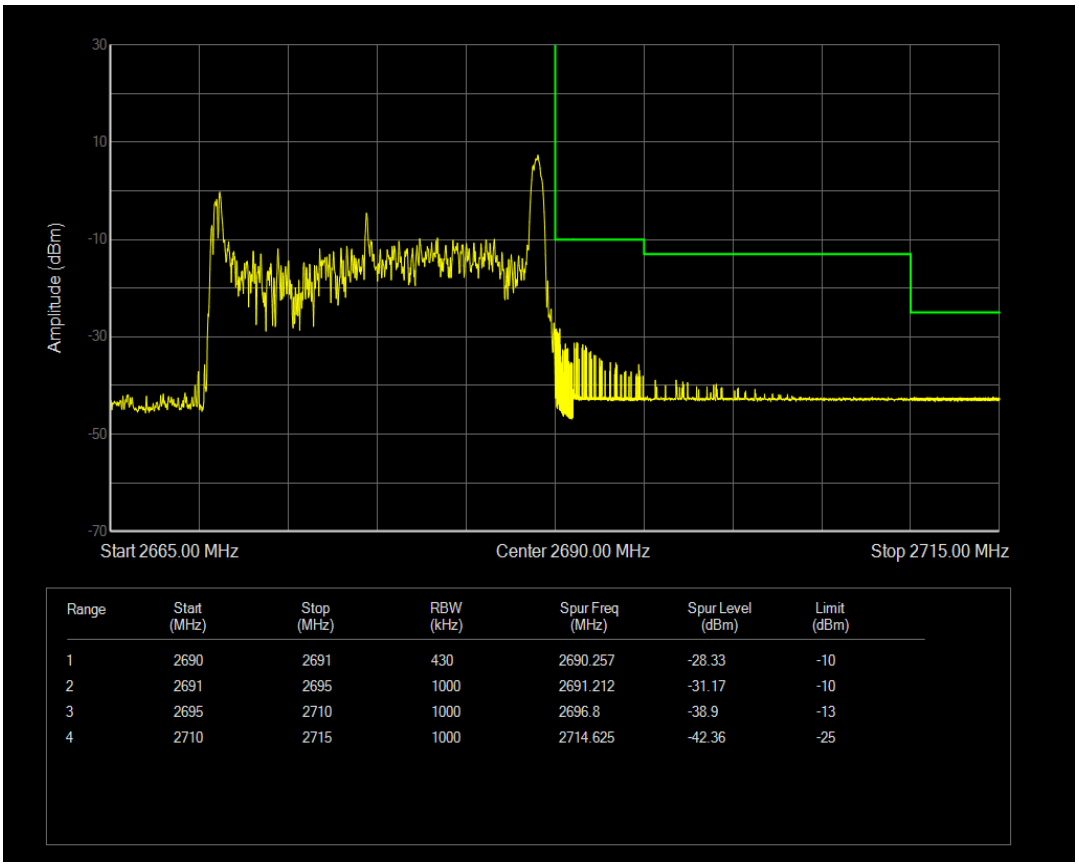
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2471	2490.5	1000	2489.954	-36.49	-25
2	2490.5	2495	1000	2494.865	-31.57	-13
3	2495	2496	200	2495.942	-34.15	-13

n41 SCS=30kHz DFT_QPSK BW=20MHz Channel=501204 RB=50@0



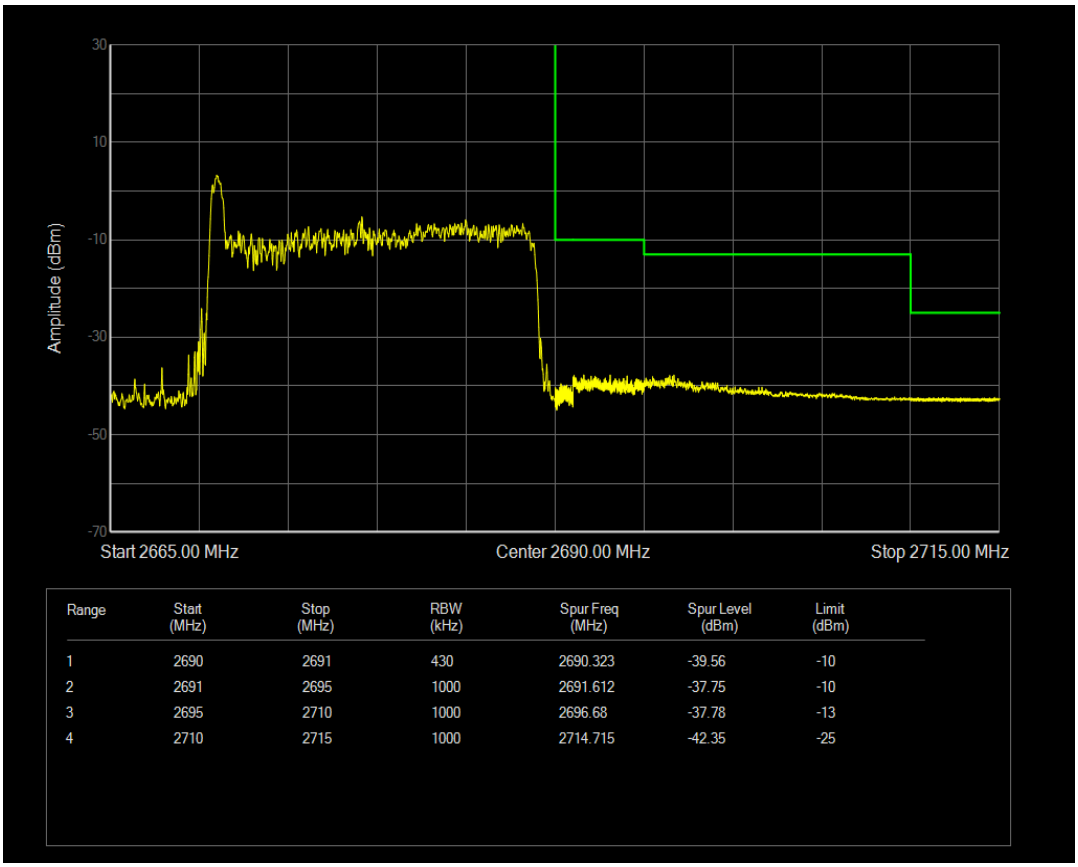
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2471	2490.5	1000	2490.461	-34.42	-25
2	2490.5	2495	1000	2493.002	-30.17	-13
3	2495	2496	200	2495.161	-35.84	-13

n41 SCS=30kHz DFT_QPSK BW=20MHz Channel=535998 RB=1@50



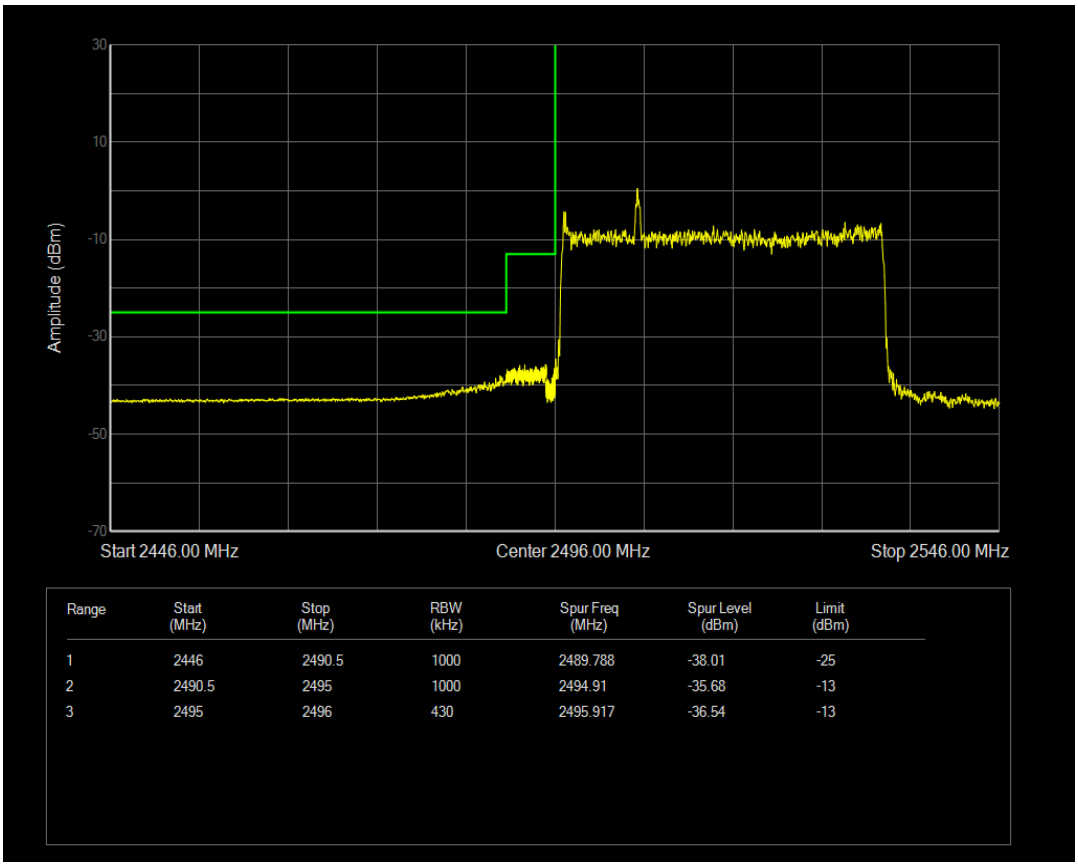
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	430	2690.257	-28.33	-10
2	2691	2695	1000	2691.212	-31.17	-10
3	2695	2710	1000	2696.8	-38.9	-13
4	2710	2715	1000	2714.625	-42.36	-25

n41 SCS=30kHz DFT_QPSK BW=20MHz Channel=535998 RB=50@0



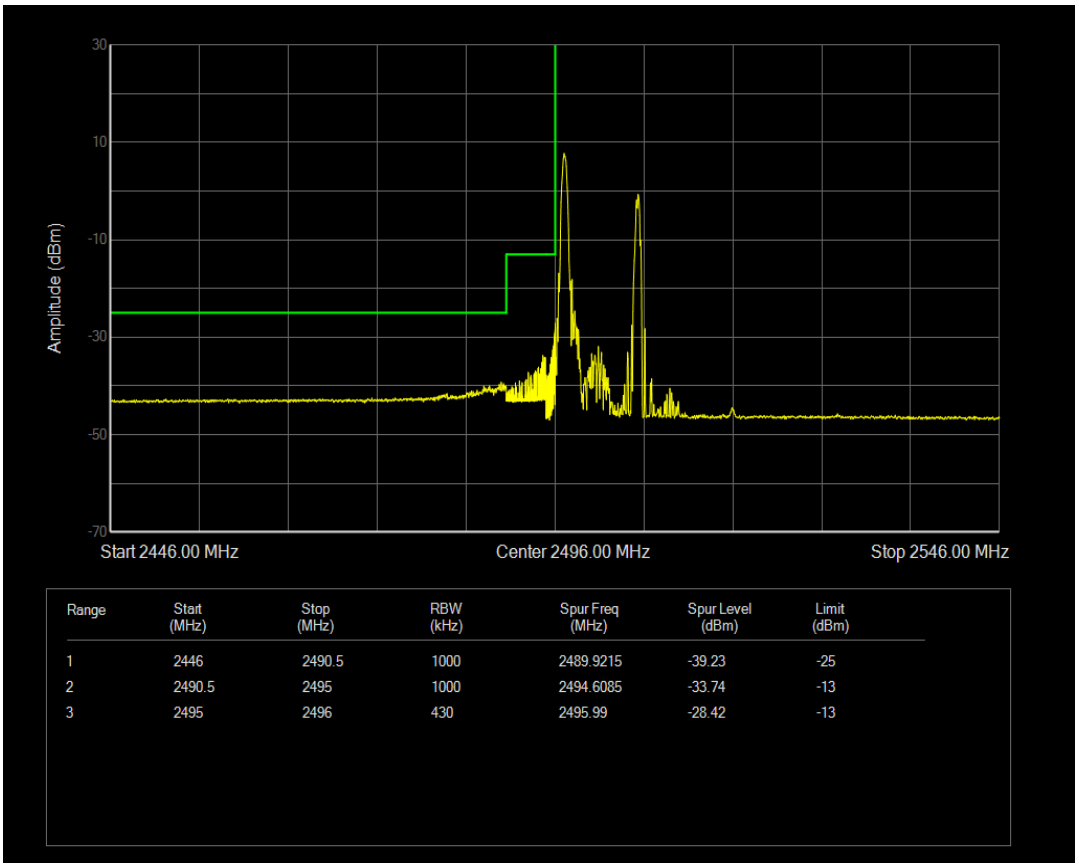
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	430	2690.323	-39.56	-10
2	2691	2695	1000	2691.612	-37.75	-10
3	2695	2710	1000	2696.68	-37.78	-13
4	2710	2715	1000	2714.715	-42.35	-25

n41 SCS=30kHz DFT_QPSK BW=40MHz Channel=503202 RB=100@0



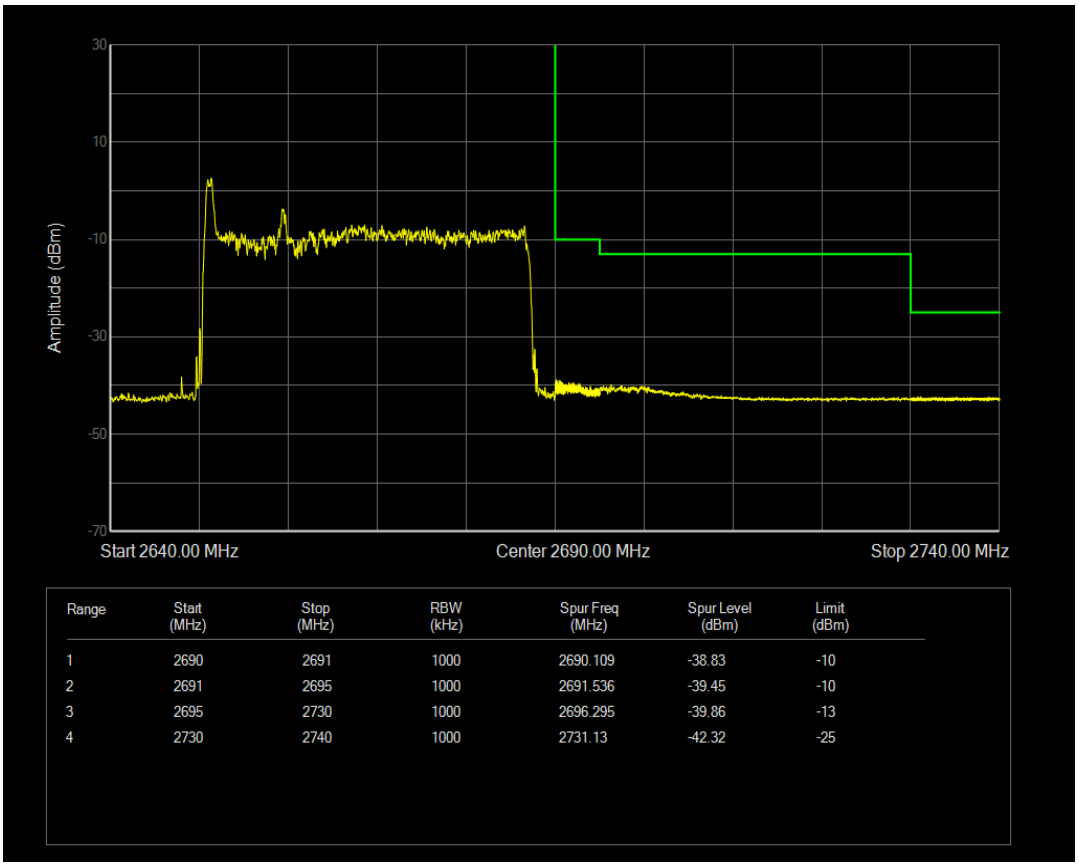
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2446	2490.5	1000	2489.788	-38.01	-25
2	2490.5	2495	1000	2494.91	-35.68	-13
3	2495	2496	430	2495.917	-36.54	-13

n41 SCS=30kHz DFT_QPSK BW=40MHz Channel=503202 RB=1@0



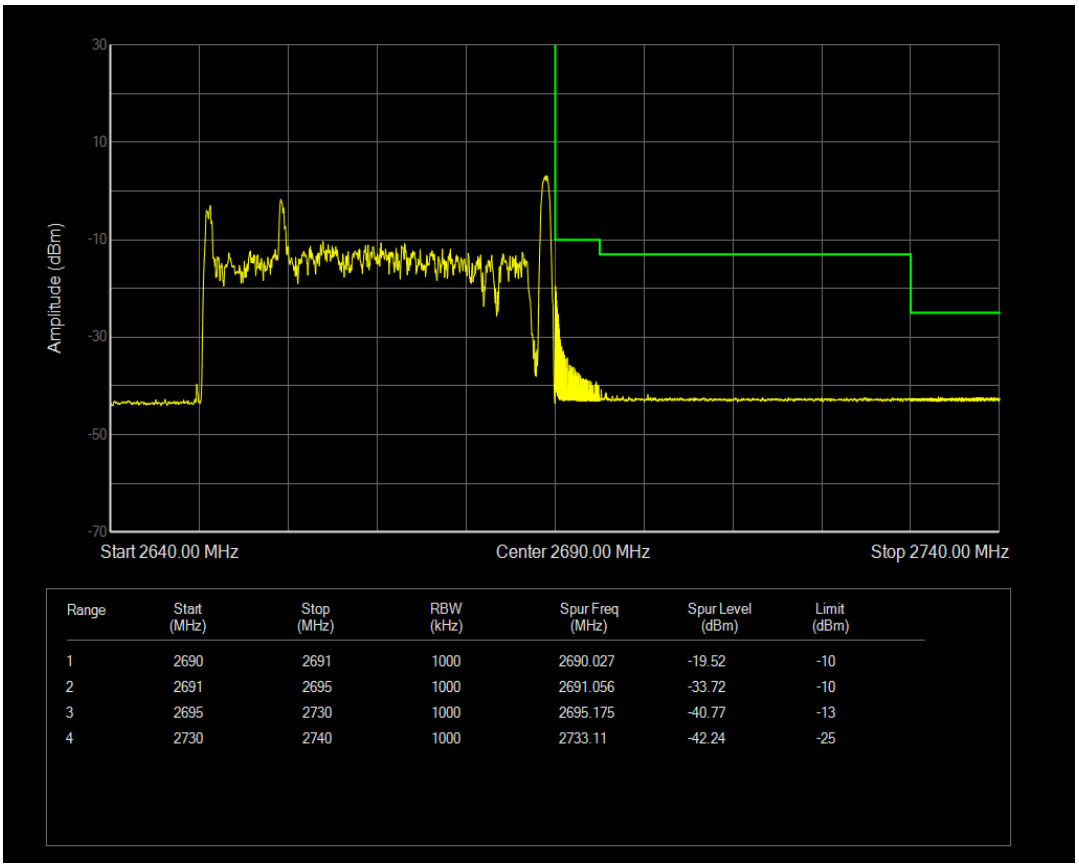
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2446	2490.5	1000	2489.9215	-39.23	-25
2	2490.5	2495	1000	2494.6085	-33.74	-13
3	2495	2496	430	2495.99	-28.42	-13

n41 SCS=30kHz DFT_QPSK BW=40MHz Channel=534000 RB=100@0



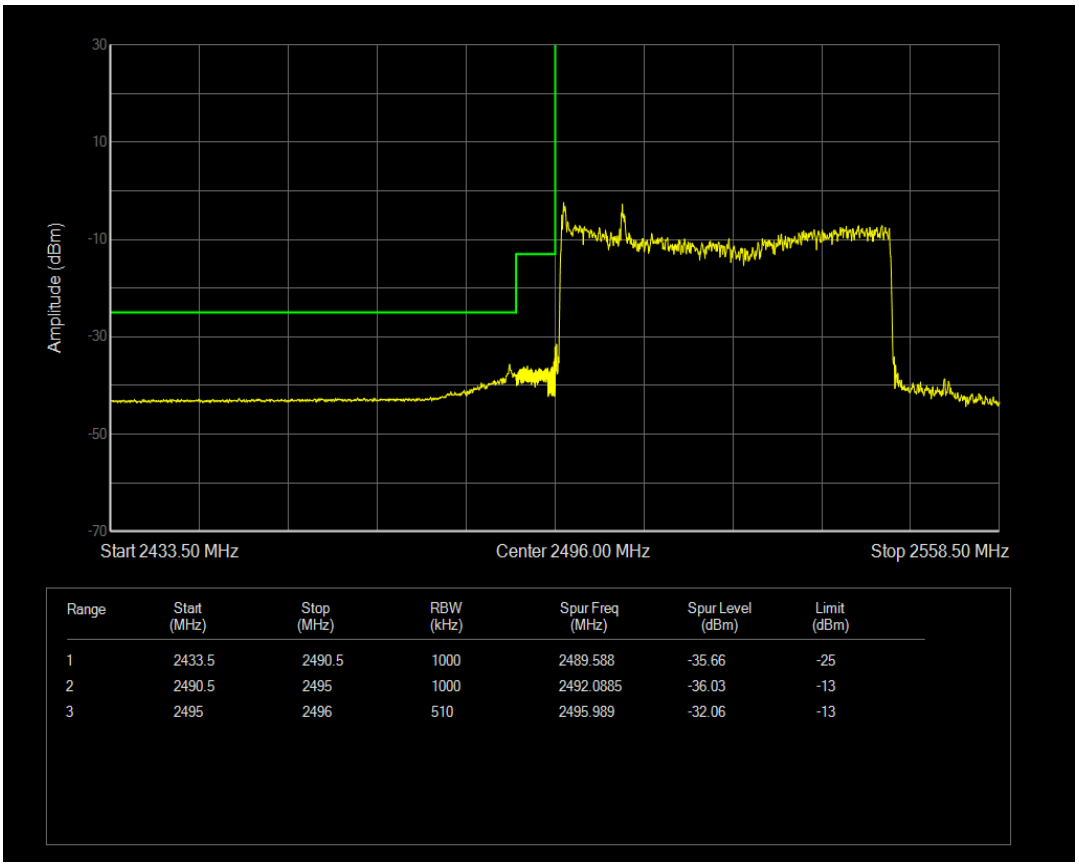
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	1000	2690.109	-38.83	-10
2	2691	2695	1000	2691.536	-39.45	-10
3	2695	2730	1000	2696.295	-39.86	-13
4	2730	2740	1000	2731.13	-42.32	-25

n41 SCS=30kHz DFT_QPSK BW=40MHz Channel=534000 RB=1@105



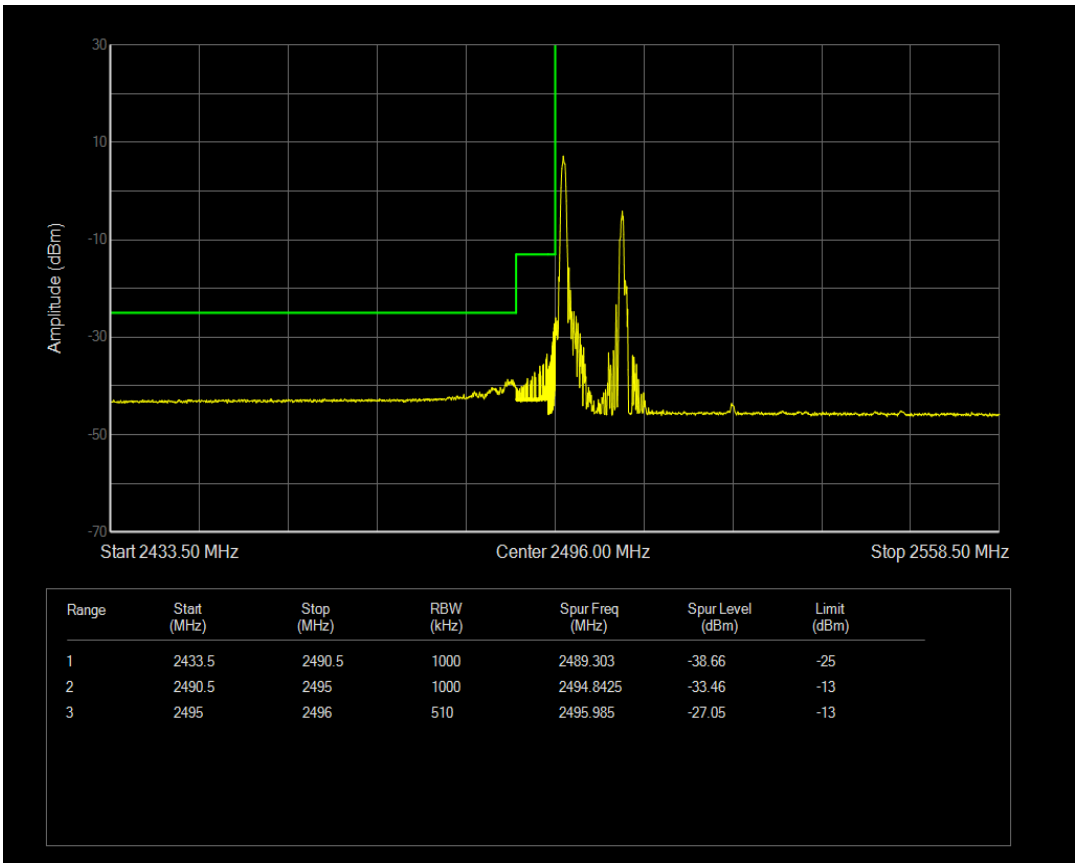
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	1000	2690.027	-19.52	-10
2	2691	2695	1000	2691.056	-33.72	-10
3	2695	2730	1000	2695.175	-40.77	-13
4	2730	2740	1000	2733.11	-42.24	-25

n41 SCS=30kHz DFT_QPSK BW=50MHz Channel=504204 RB=128@0



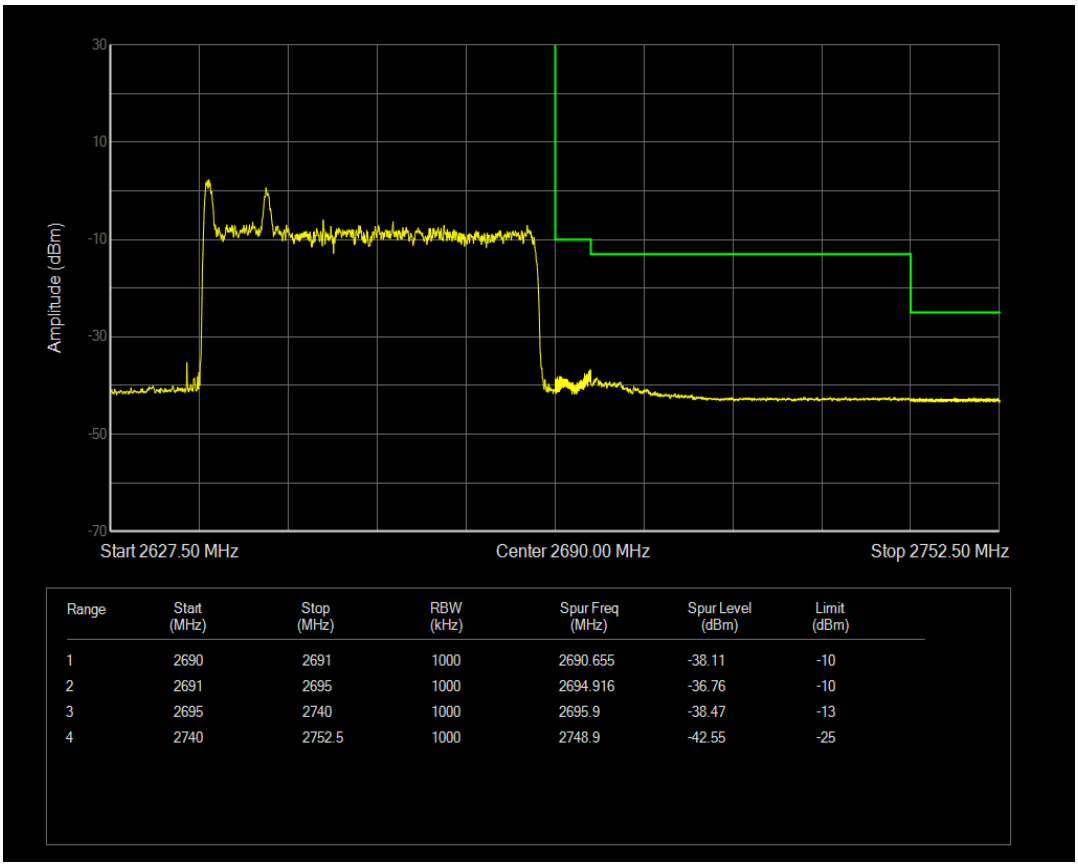
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2433.5	2490.5	1000	2489.588	-35.66	-25
2	2490.5	2495	1000	2492.0885	-36.03	-13
3	2495	2496	510	2495.989	-32.06	-13

n41 SCS=30kHz DFT_QPSK BW=50MHz Channel=504204 RB=1@0



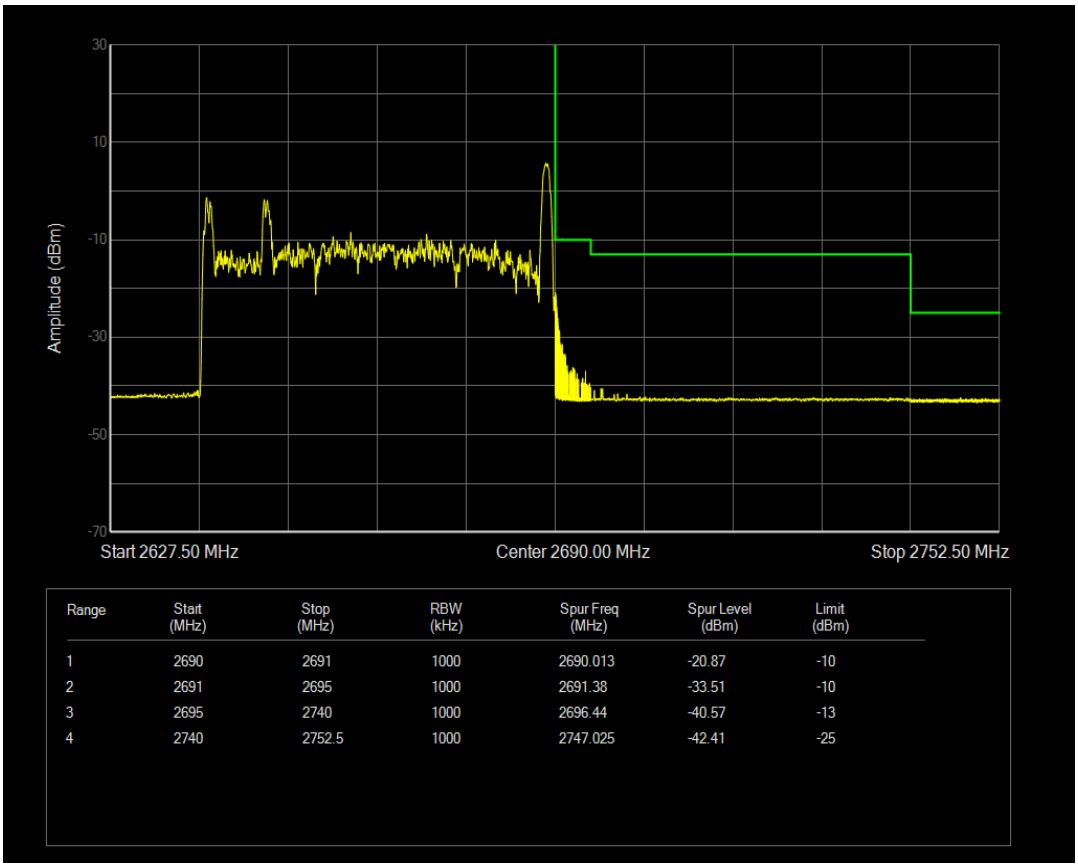
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2433.5	2490.5	1000	2489.303	-38.66	-25
2	2490.5	2495	1000	2494.8425	-33.46	-13
3	2495	2496	510	2495.985	-27.05	-13

n41 SCS=30kHz DFT_QPSK BW=50MHz Channel=532998 RB=128@0



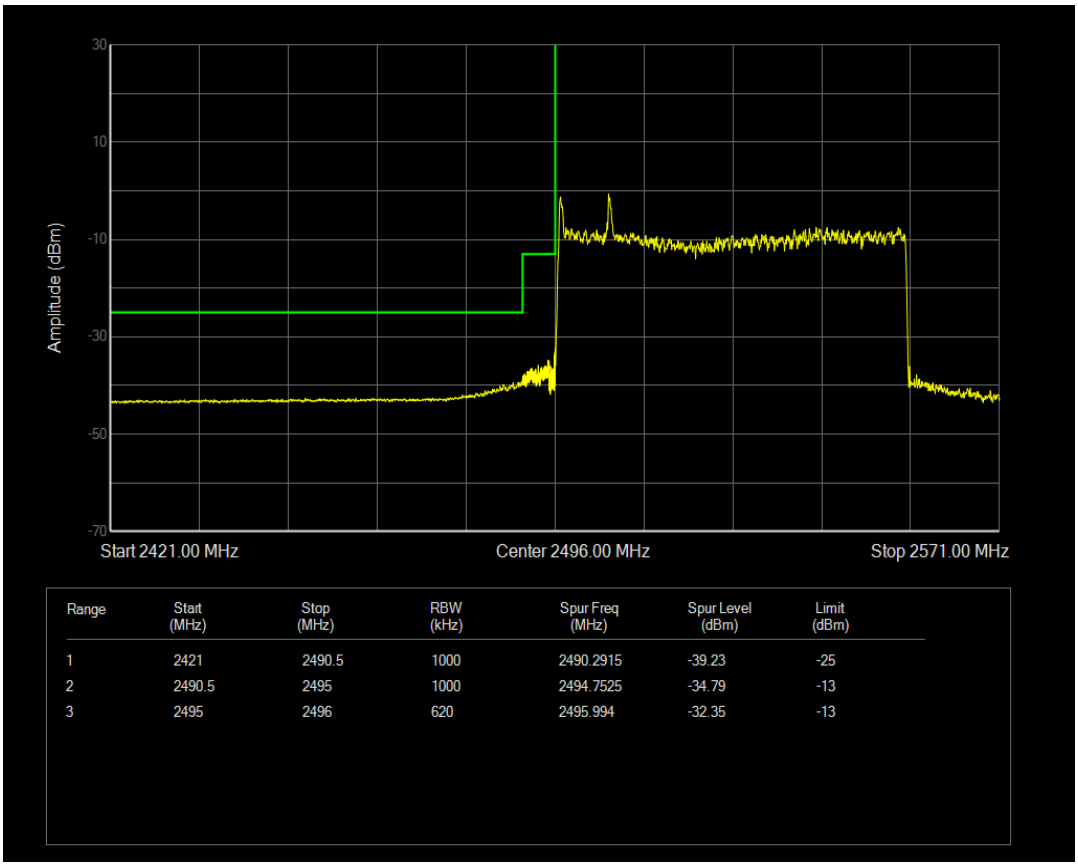
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	1000	2690.655	-38.11	-10
2	2691	2695	1000	2694.916	-36.76	-10
3	2695	2740	1000	2695.9	-38.47	-13
4	2740	2752.5	1000	2748.9	-42.55	-25

n41 SCS=30kHz DFT_QPSK BW=50MHz Channel=532998 RB=1@132



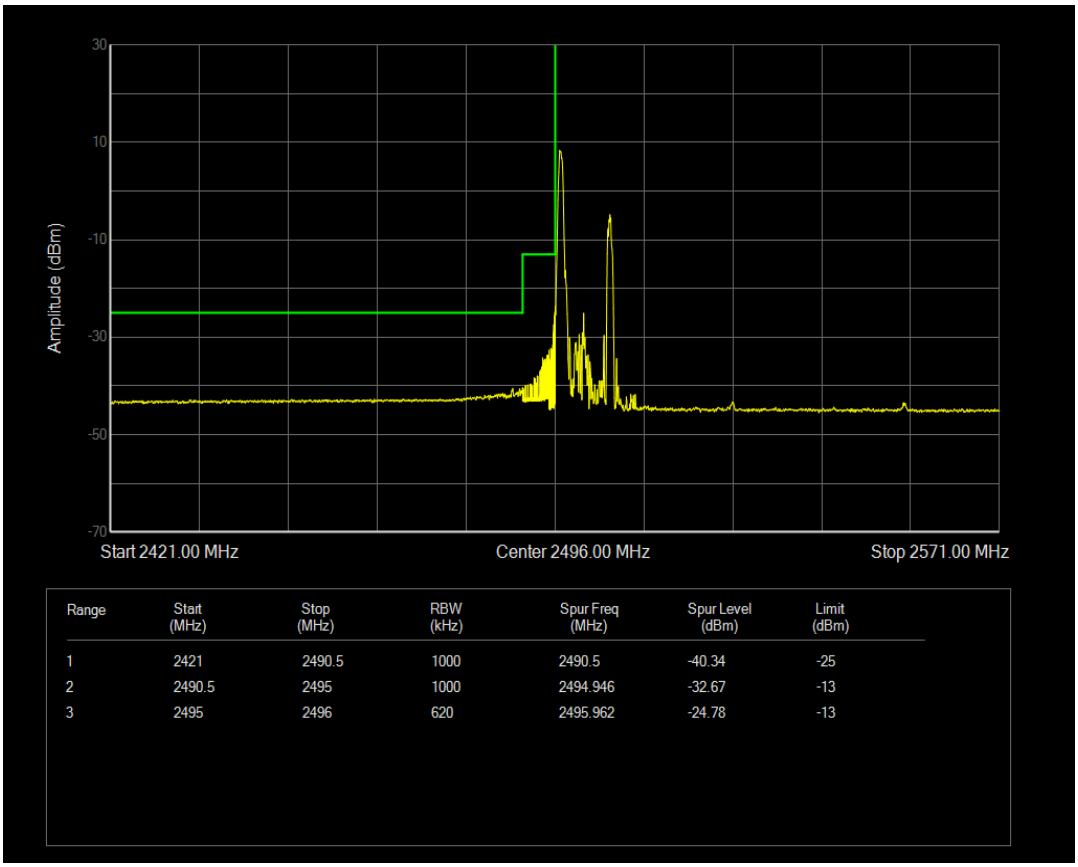
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	1000	2690.013	-20.87	-10
2	2691	2695	1000	2691.38	-33.51	-10
3	2695	2740	1000	2696.44	-40.57	-13
4	2740	2752.5	1000	2747.025	-42.41	-25

n41 SCS=30kHz DFT_QPSK BW=60MHz Channel=505200 RB=162@0



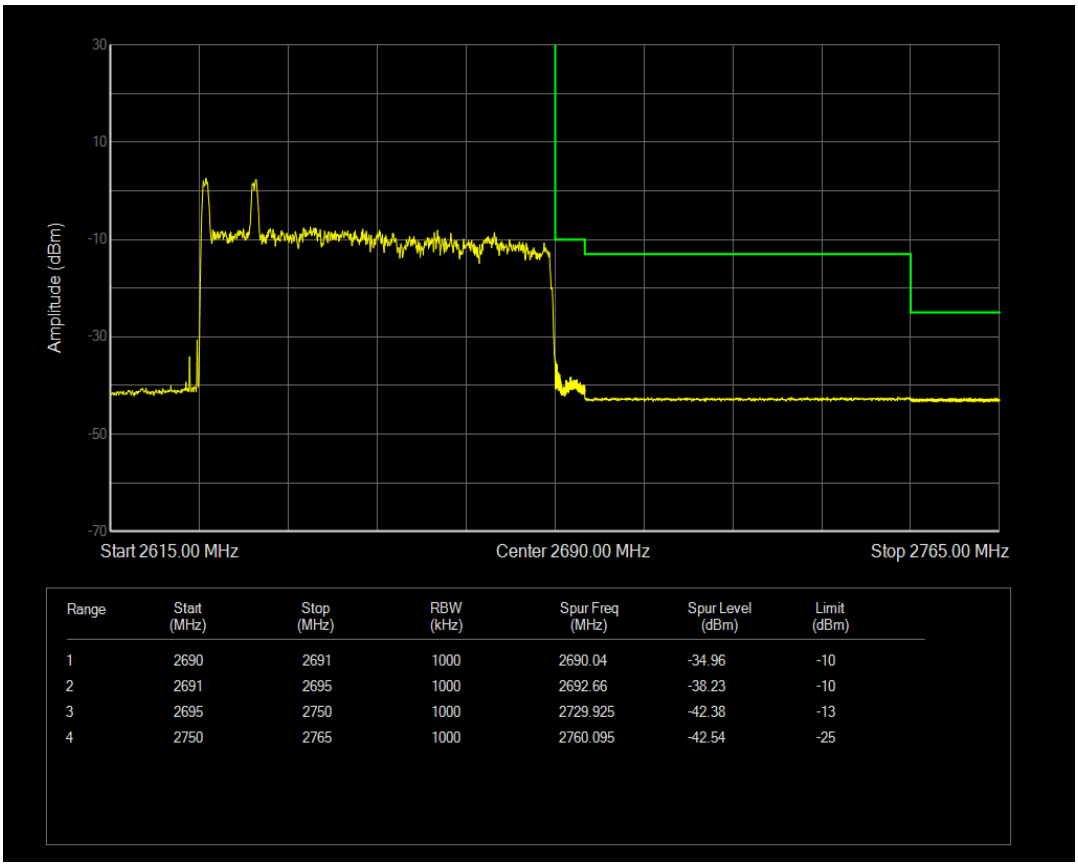
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2421	2490.5	1000	2490.2915	-39.23	-25
2	2490.5	2495	1000	2494.7525	-34.79	-13
3	2495	2496	620	2495.994	-32.35	-13

n41 SCS=30kHz DFT_QPSK BW=60MHz Channel=505200 RB=1@0



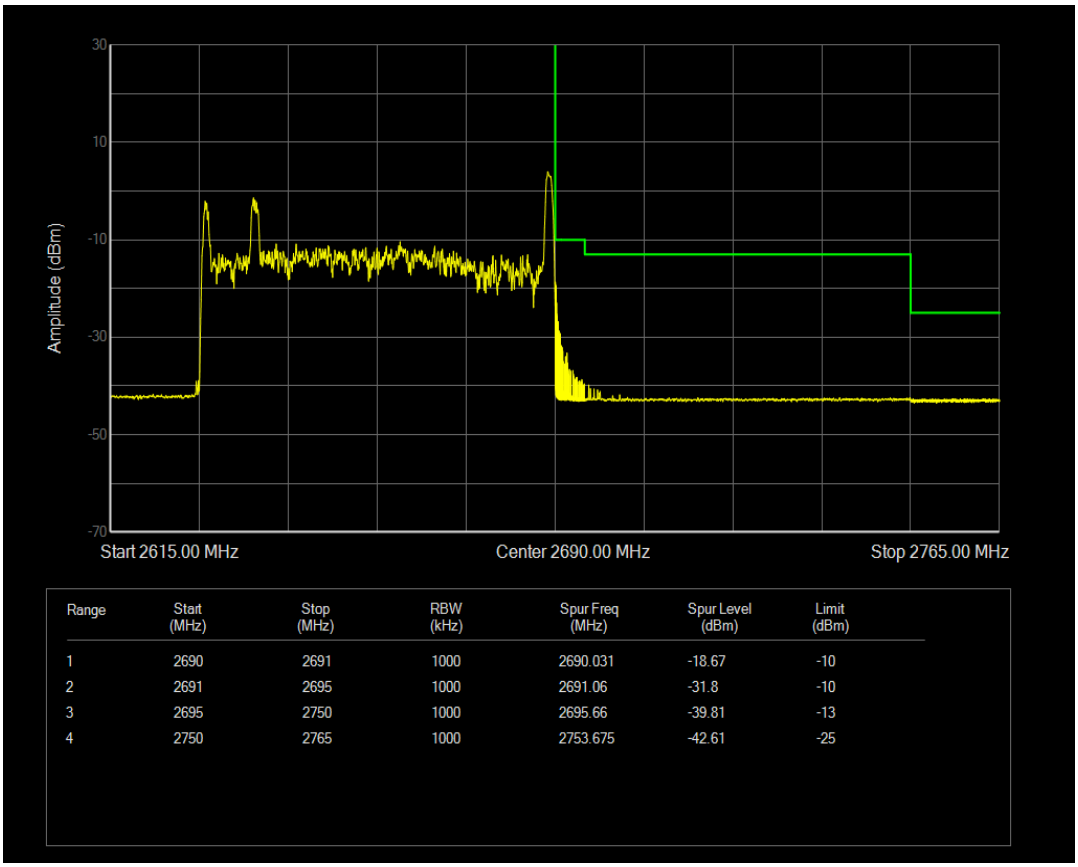
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2421	2490.5	1000	2490.5	-40.34	-25
2	2490.5	2495	1000	2494.946	-32.67	-13
3	2495	2496	620	2495.962	-24.78	-13

n41 SCS=30kHz DFT_QPSK BW=60MHz Channel=531996 RB=162@0



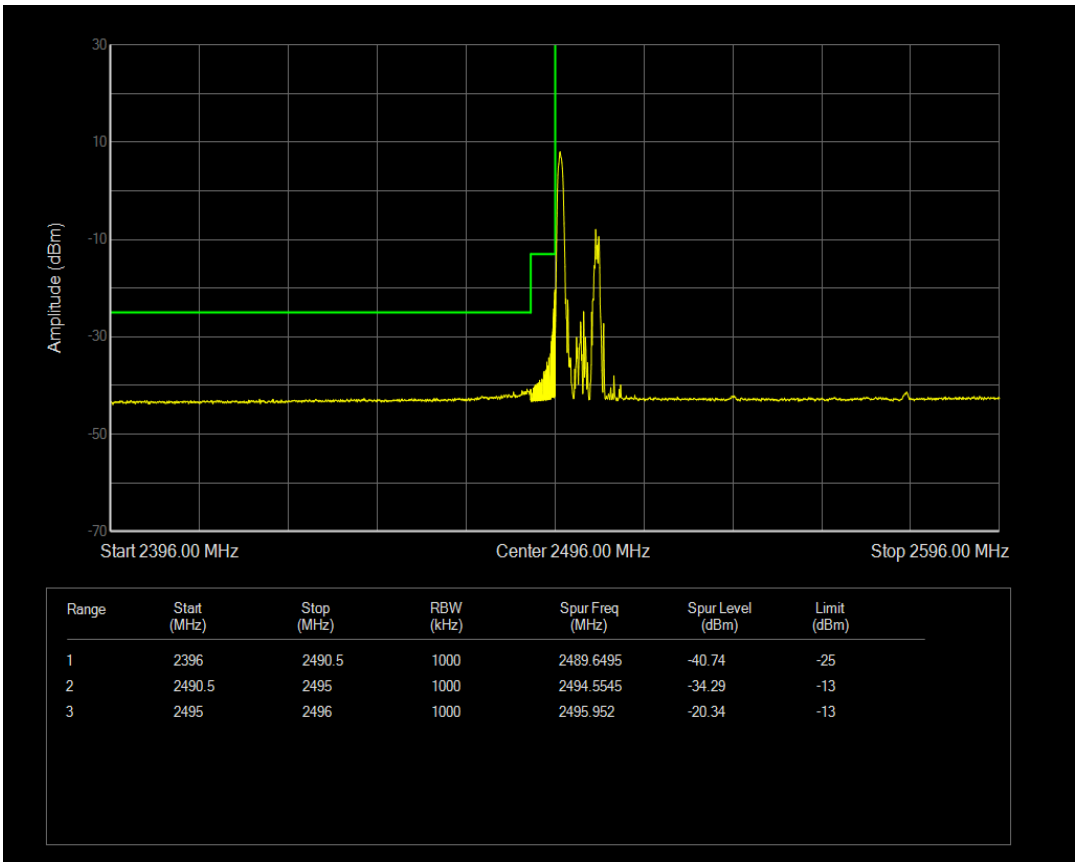
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	1000	2690.04	-34.96	-10
2	2691	2695	1000	2692.66	-38.23	-10
3	2695	2750	1000	2729.925	-42.38	-13
4	2750	2765	1000	2760.095	-42.54	-25

n41 SCS=30kHz DFT_QPSK BW=60MHz Channel=531996 RB=1@161



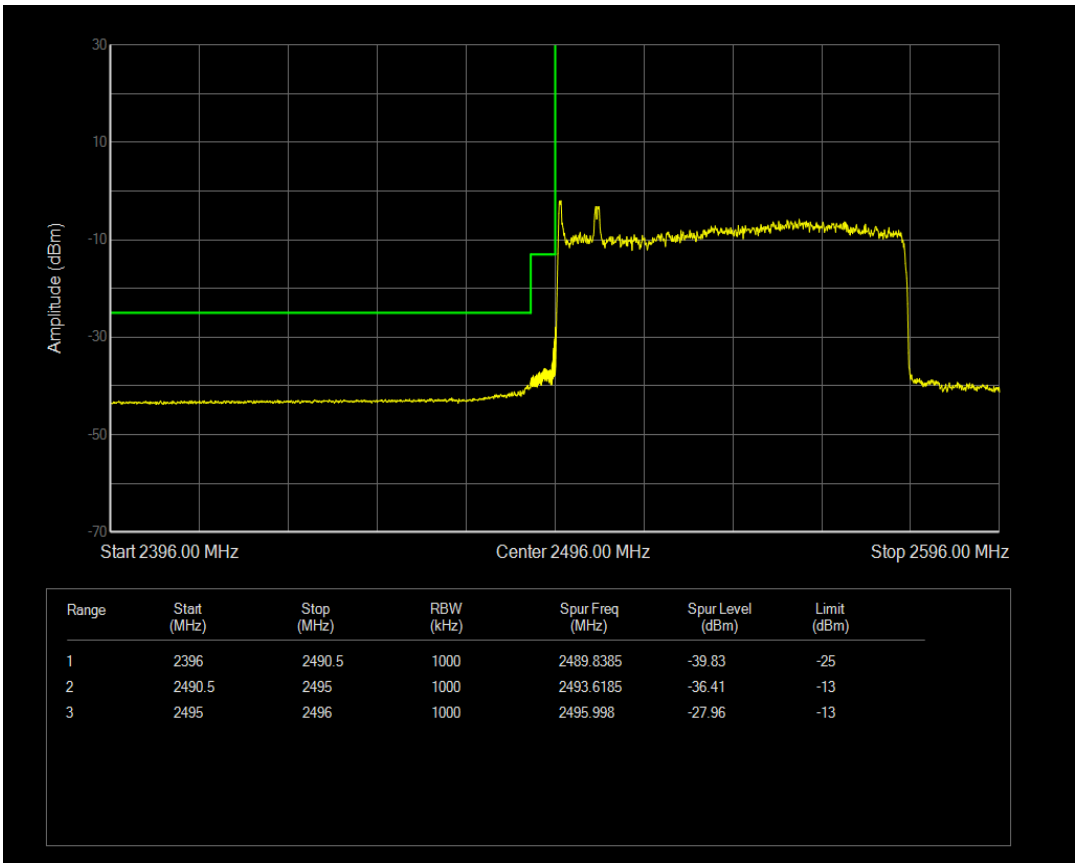
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	1000	2690.031	-18.67	-10
2	2691	2695	1000	2691.06	-31.8	-10
3	2695	2750	1000	2695.66	-39.81	-13
4	2750	2765	1000	2753.675	-42.61	-25

n41 SCS=30kHz DFT_QPSK BW=80MHz Channel=507204 RB=1@0



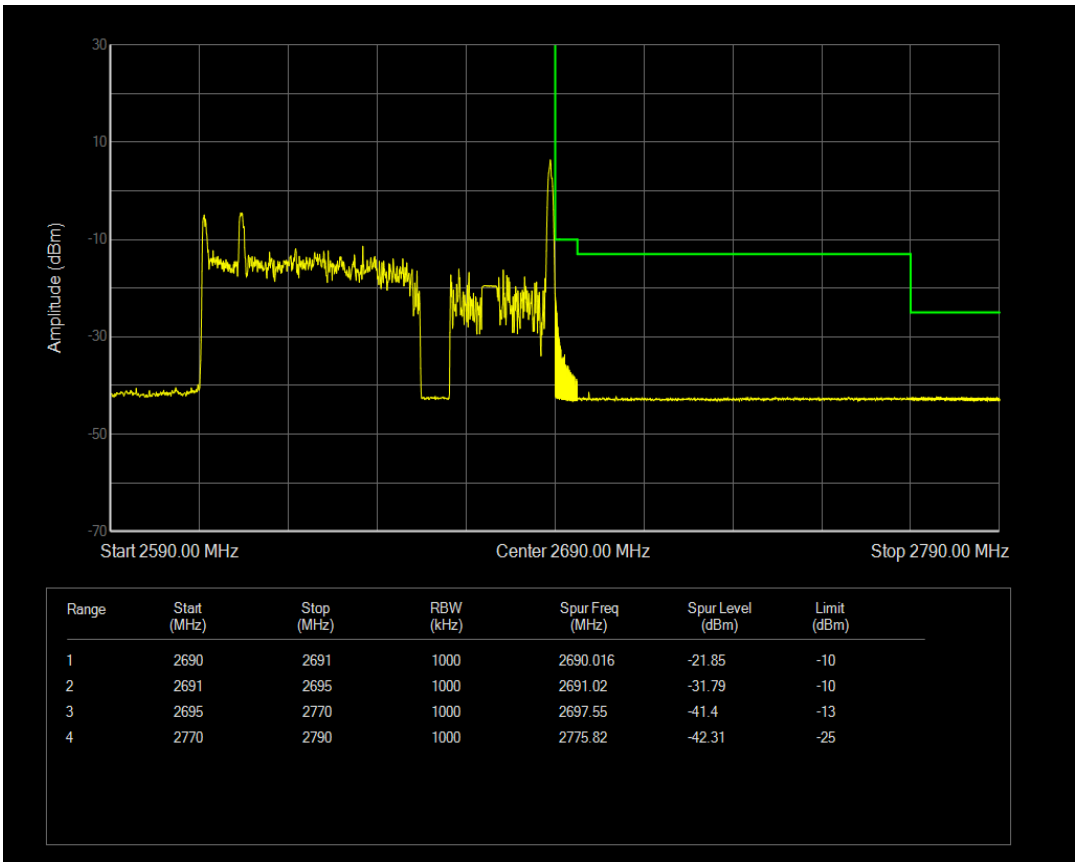
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2396	2490.5	1000	2489.6495	-40.74	-25
2	2490.5	2495	1000	2494.5545	-34.29	-13
3	2495	2496	1000	2495.952	-20.34	-13

n41 SCS=30kHz DFT_QPSK BW=80MHz Channel=507204 RB=216@0



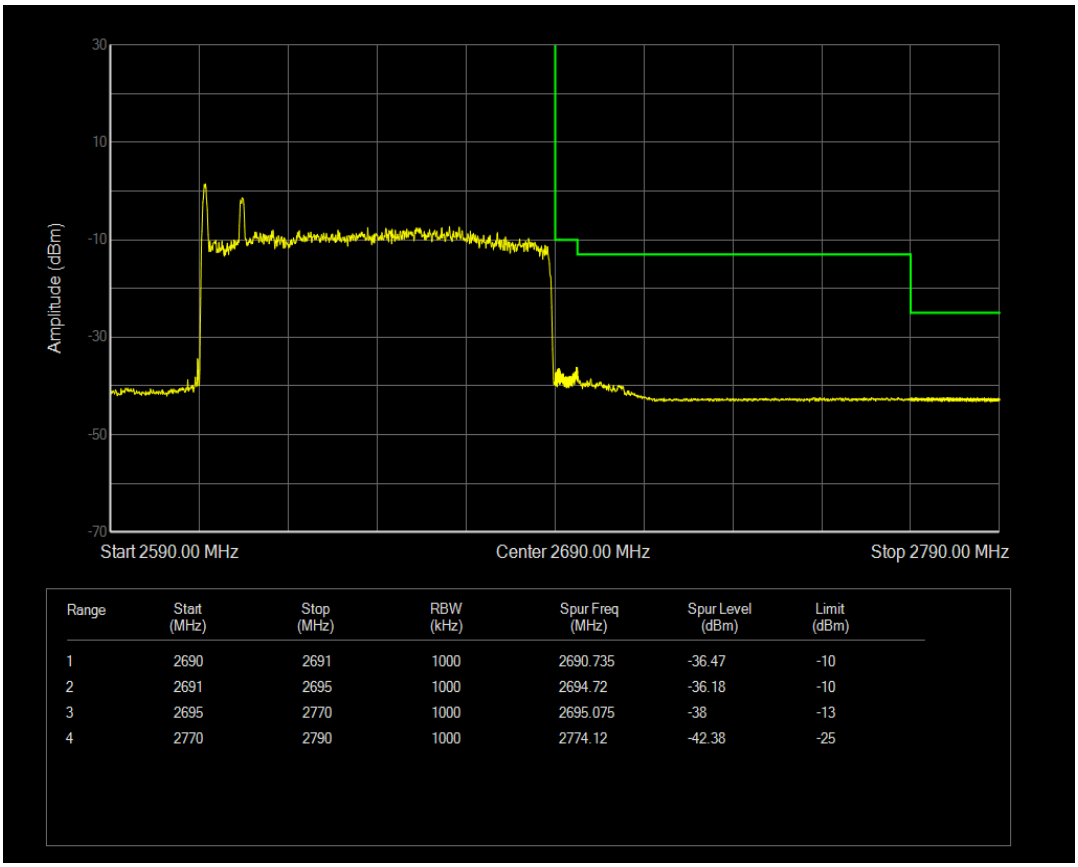
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2396	2490.5	1000	2489.8385	-39.83	-25
2	2490.5	2495	1000	2493.6185	-36.41	-13
3	2495	2496	1000	2495.998	-27.96	-13

n41 SCS=30kHz DFT_QPSK BW=80MHz Channel=529998 RB=1@216



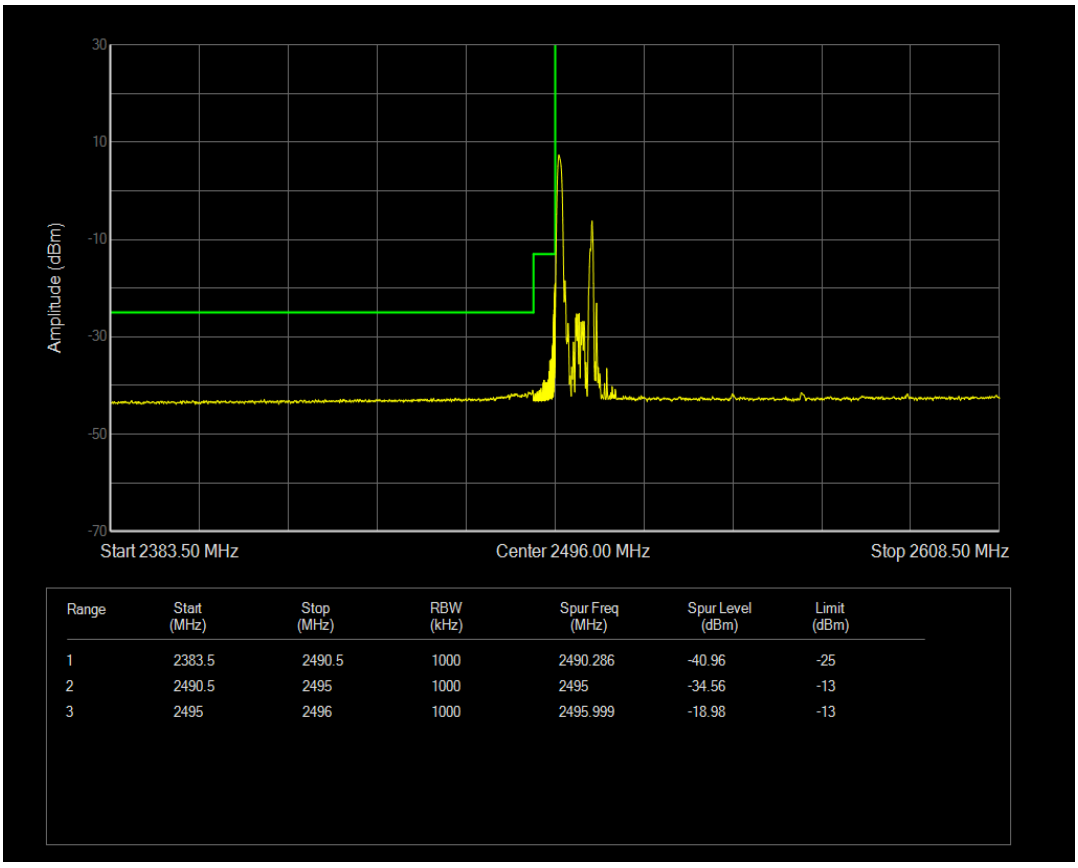
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	1000	2690.016	-21.85	-10
2	2691	2695	1000	2691.02	-31.79	-10
3	2695	2770	1000	2697.55	-41.4	-13
4	2770	2790	1000	2775.82	-42.31	-25

n41 SCS=30kHz DFT_QPSK BW=80MHz Channel=529998 RB=216@0



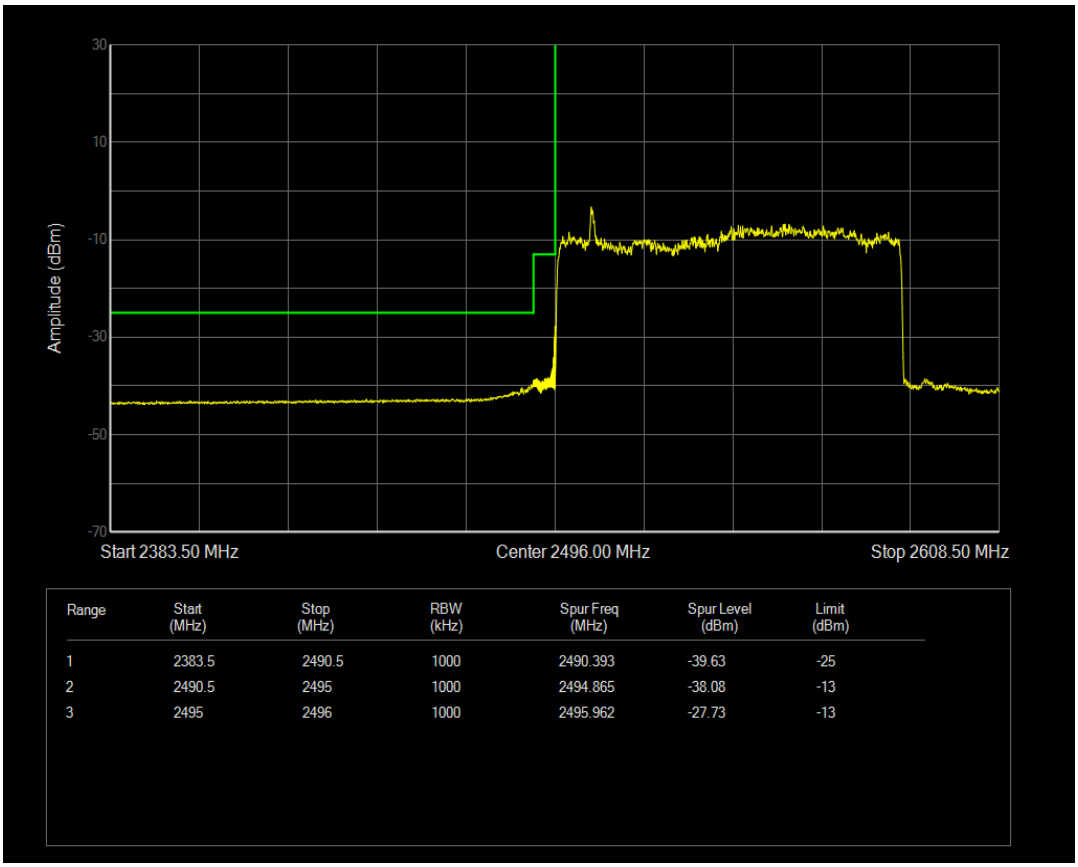
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	1000	2690.735	-36.47	-10
2	2691	2695	1000	2694.72	-36.18	-10
3	2695	2770	1000	2695.075	-38	-13
4	2770	2790	1000	2774.12	-42.38	-25

n41 SCS=30kHz DFT_QPSK BW=90MHz Channel=508200 RB=1@0



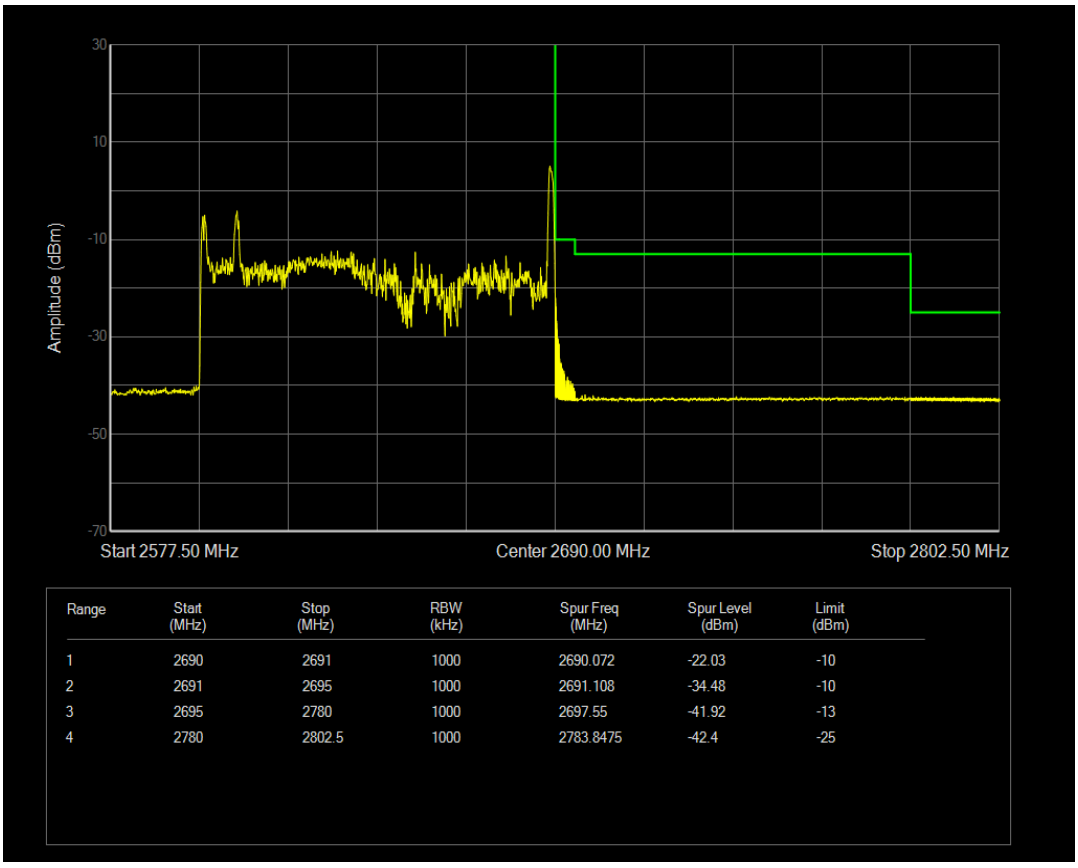
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2383.5	2490.5	1000	2490.286	-40.96	-25
2	2490.5	2495	1000	2495	-34.56	-13
3	2495	2496	1000	2495.999	-18.98	-13

n41 SCS=30kHz DFT_QPSK BW=90MHz Channel=508200 RB=240@0



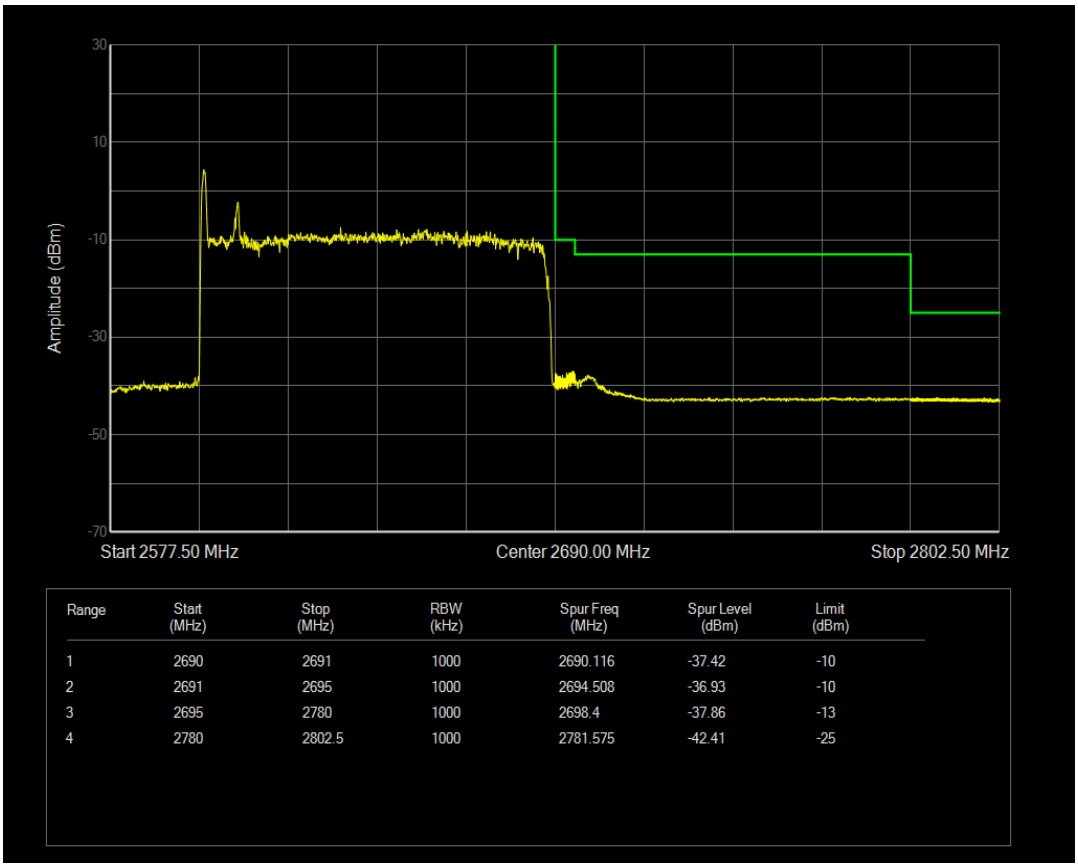
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2383.5	2490.5	1000	2490.393	-39.63	-25
2	2490.5	2495	1000	2494.865	-38.08	-13
3	2495	2496	1000	2495.962	-27.73	-13

n41 SCS=30kHz DFT_QPSK BW=90MHz Channel=528996 RB=1@244



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	1000	2690.072	-22.03	-10
2	2691	2695	1000	2691.108	-34.48	-10
3	2695	2780	1000	2697.55	-41.92	-13
4	2780	2802.5	1000	2783.8475	-42.4	-25

n41 SCS=30kHz DFT_QPSK BW=90MHz Channel=528996 RB=240@0

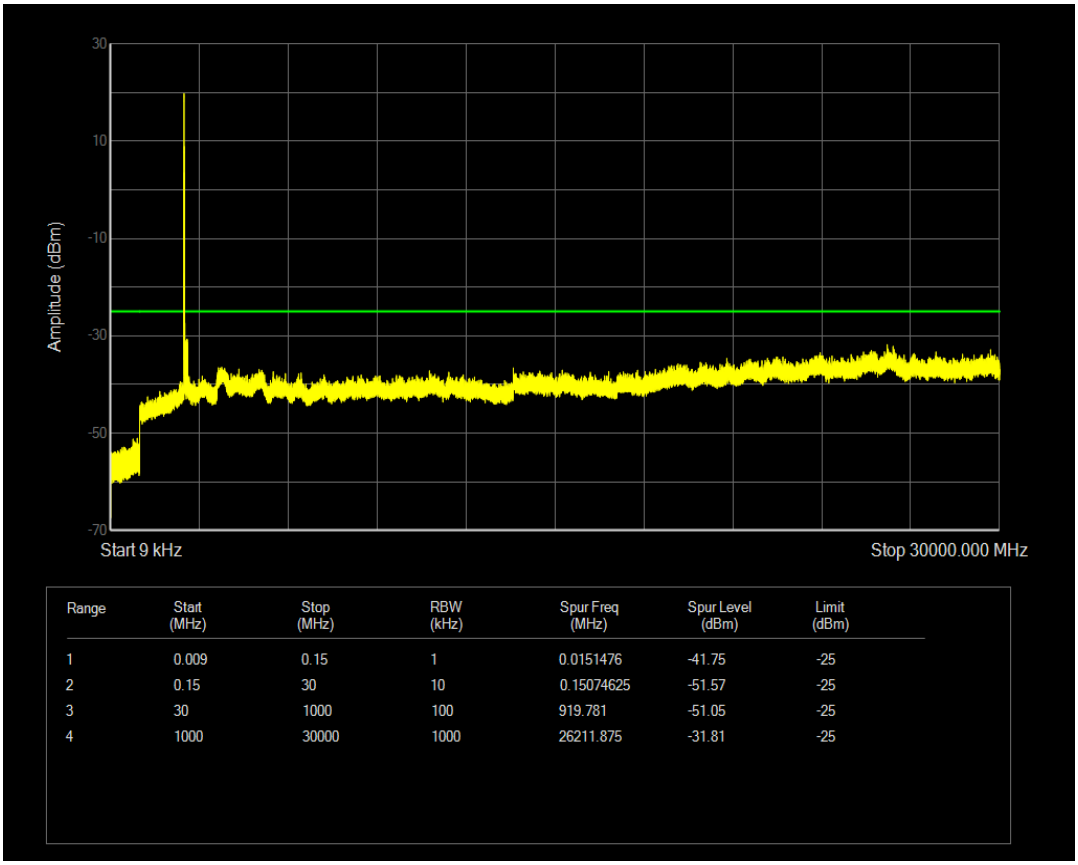


6 Out-of-band emissions for NR FR1

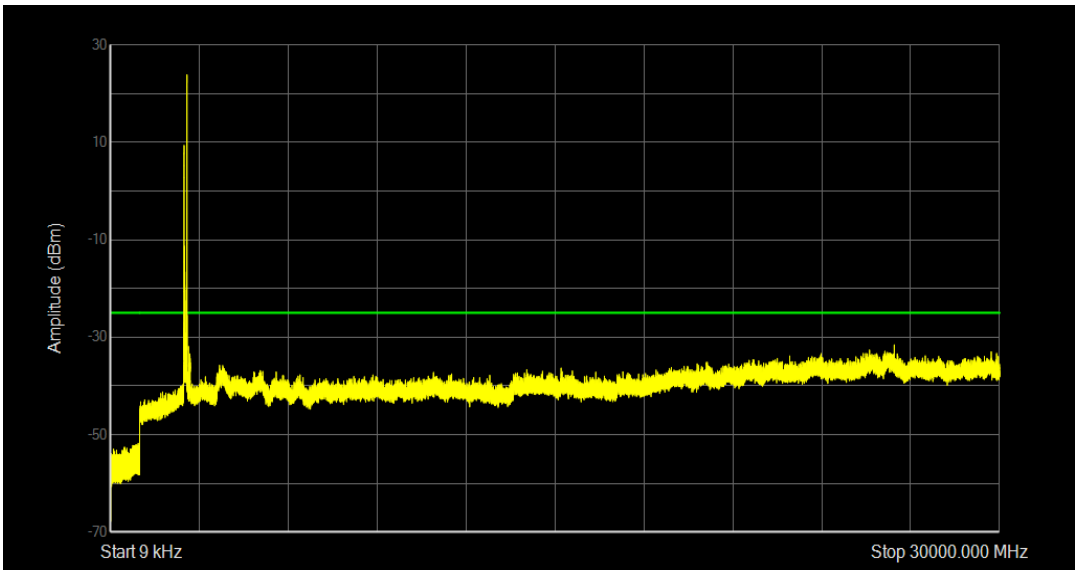
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n41	30	10	500202	24@0	DFT_QPSK	26227.10	-31.52	-25	PASS
n41	30	10	500202	1@0	DFT_QPSK	26343.83	-31.87	-25	PASS
n41	30	10	500202	1@23	DFT_QPSK	26314.83	-30.95	-25	PASS
n41	30	10	518598	24@0	DFT_QPSK	26050.20	-32.23	-25	PASS
n41	30	10	518598	1@0	DFT_QPSK	25766.00	-32.69	-25	PASS
n41	30	10	518598	1@23	DFT_QPSK	26342.38	-32.60	-25	PASS
n41	30	10	537000	24@0	DFT_QPSK	26240.15	-32.23	-25	PASS
n41	30	10	537000	1@0	DFT_QPSK	25701.48	-31.71	-25	PASS
n41	30	10	537000	1@23	DFT_QPSK	29704.20	-32.45	-25	PASS
n41	30	100	509202	270@0	DFT_QPSK	26256.83	-32.30	-25	PASS
n41	30	100	509202	1@0	DFT_QPSK	26211.88	-31.81	-25	PASS
n41	30	100	509202	1@272	DFT_QPSK	26279.15	-32.98	-25	PASS
n41	30	100	518598	270@0	DFT_QPSK	29706.38	-32.71	-25	PASS
n41	30	100	518598	1@0	DFT_QPSK	26381.53	-32.26	-25	PASS
n41	30	100	518598	1@272	DFT_QPSK	26278.58	-32.17	-25	PASS
n41	30	100	528000	270@0	DFT_QPSK	23946.95	-32.81	-25	PASS
n41	30	100	528000	1@0	DFT_QPSK	25644.93	-32.19	-25	PASS
n41	30	100	528000	1@272	DFT_QPSK	29475.10	-32.11	-25	PASS

Note: Pre-Scan al modulation and all Bandwidth, and the report only reflects the worst mode

n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=509202 RB=1@0

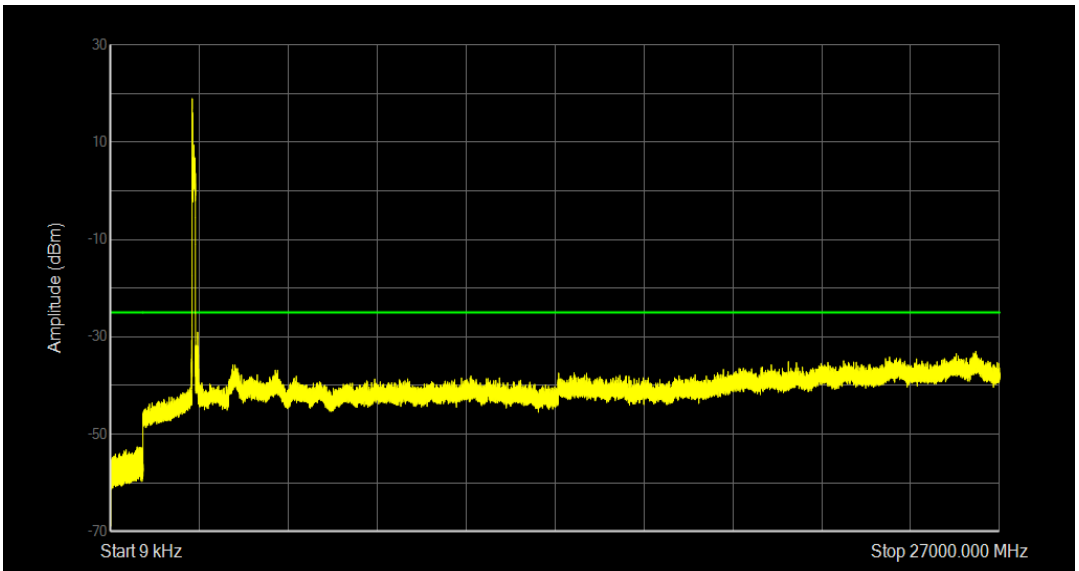


n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=509202 RB=1@272



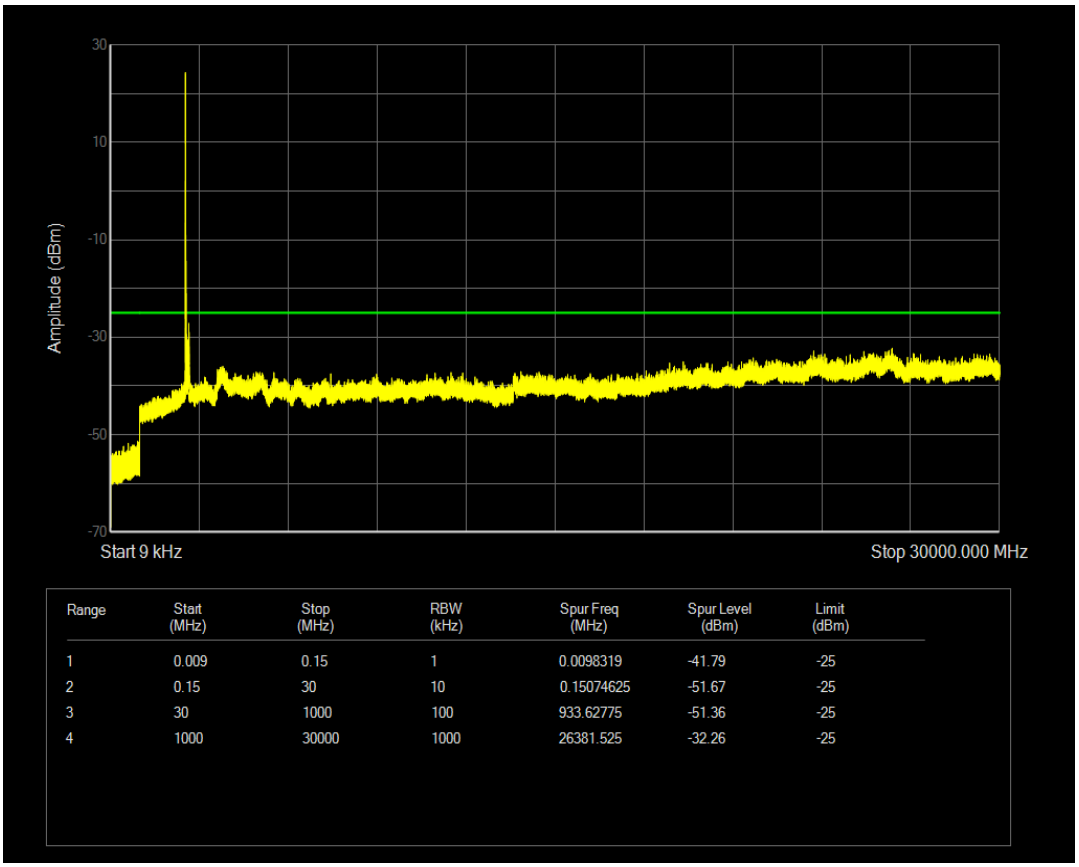
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013522575	-40.99	-25
2	0.15	30	10	0.1544775	-51.91	-25
3	30	1000	100	949.53575	-51.82	-25
4	1000	30000	1000	26449.675	-31.57	-25

n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=509202 RB=270@0



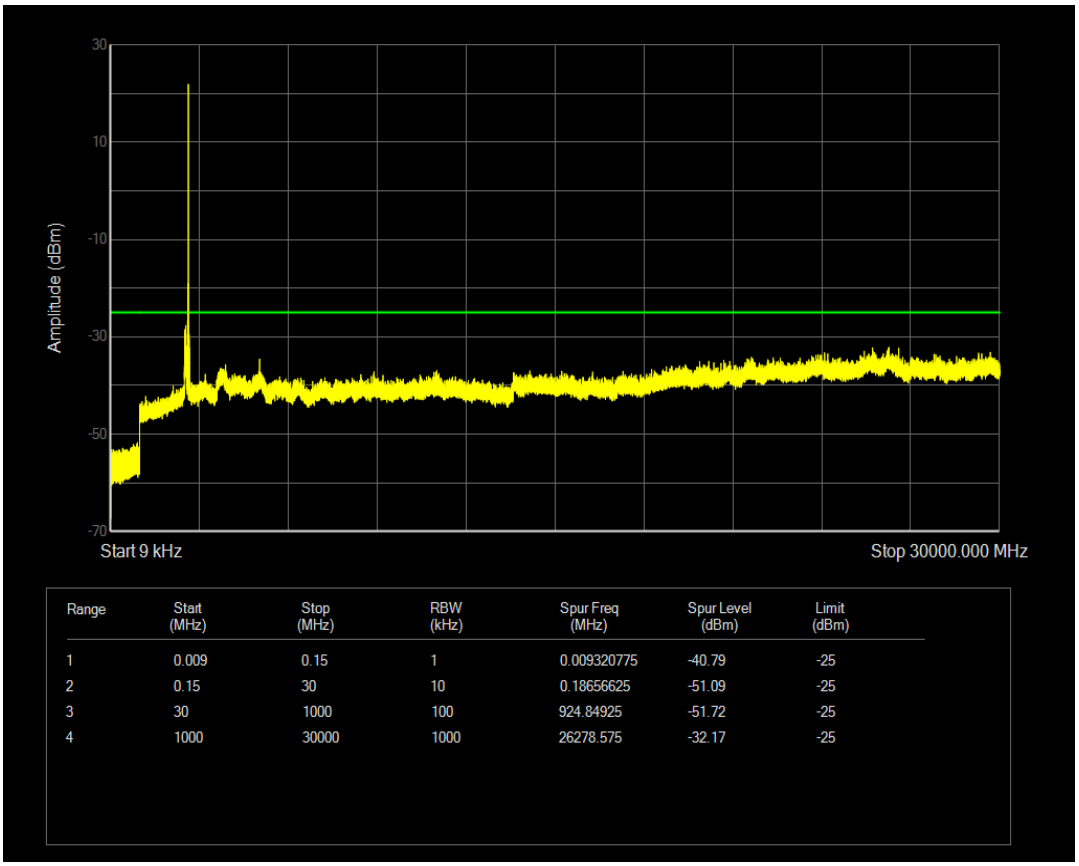
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0108471	-41.77	-25
2	0.15	30	10	0.158955	-53.88	-25
3	30	1000	100	825.23025	-52.62	-25
4	1000	27000	1000	26279.15	-32.98	-25

n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=518598 RB=1@0



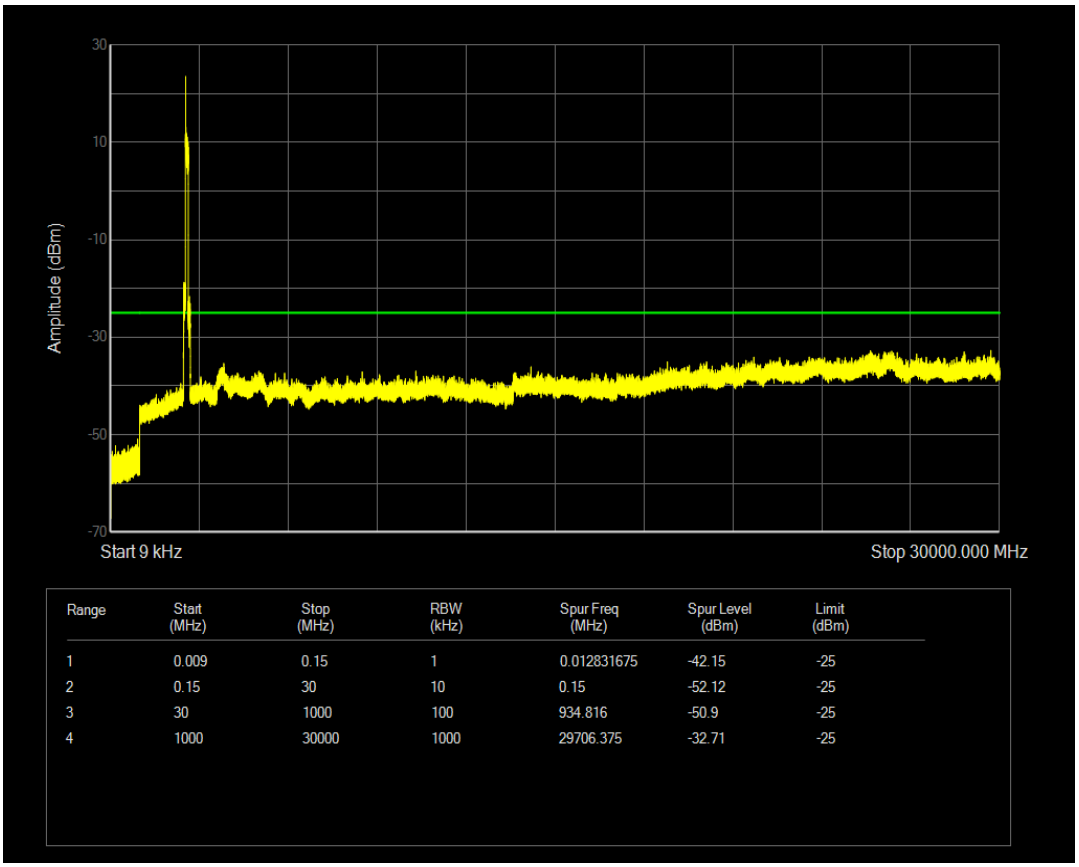
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0098319	-41.79	-25
2	0.15	30	10	0.15074625	-51.67	-25
3	30	1000	100	933.62775	-51.36	-25
4	1000	30000	1000	26381.525	-32.26	-25

n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=518598 RB=1@272



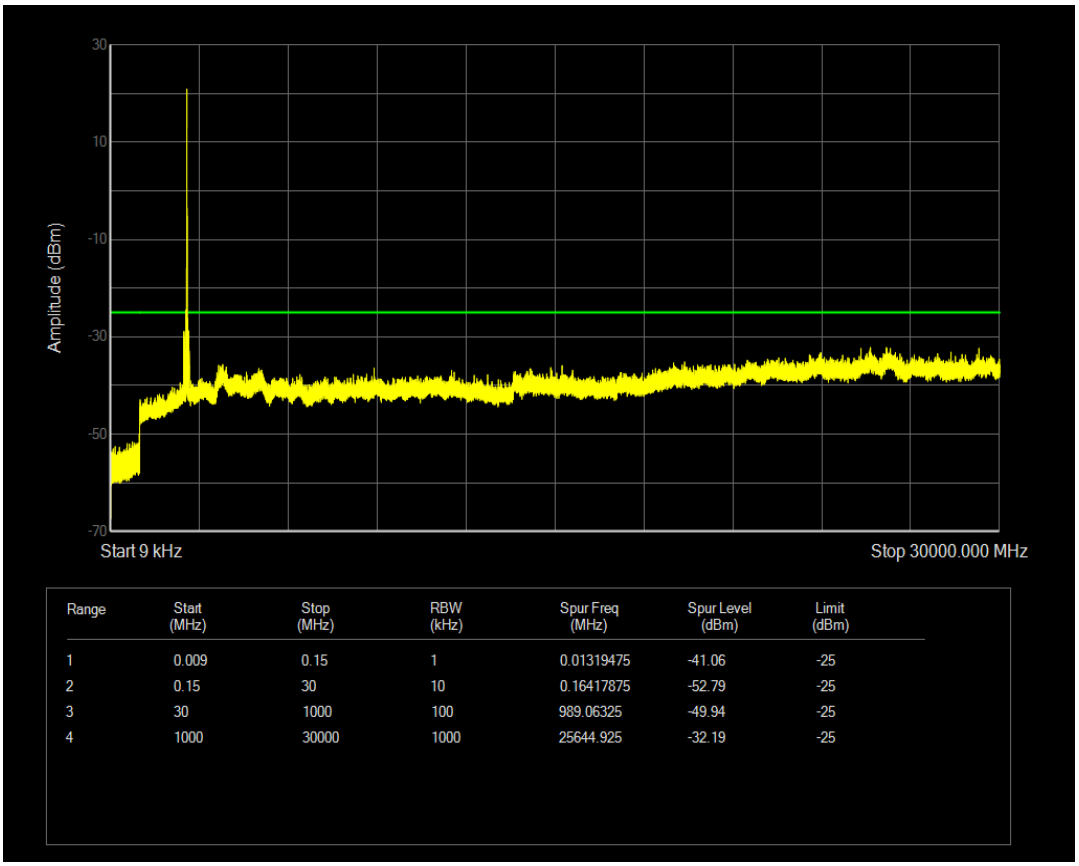
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009320775	-40.79	-25
2	0.15	30	10	0.18656625	-51.09	-25
3	30	1000	100	924.84925	-51.72	-25
4	1000	30000	1000	26278.575	-32.17	-25

n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=518598 RB=270@0



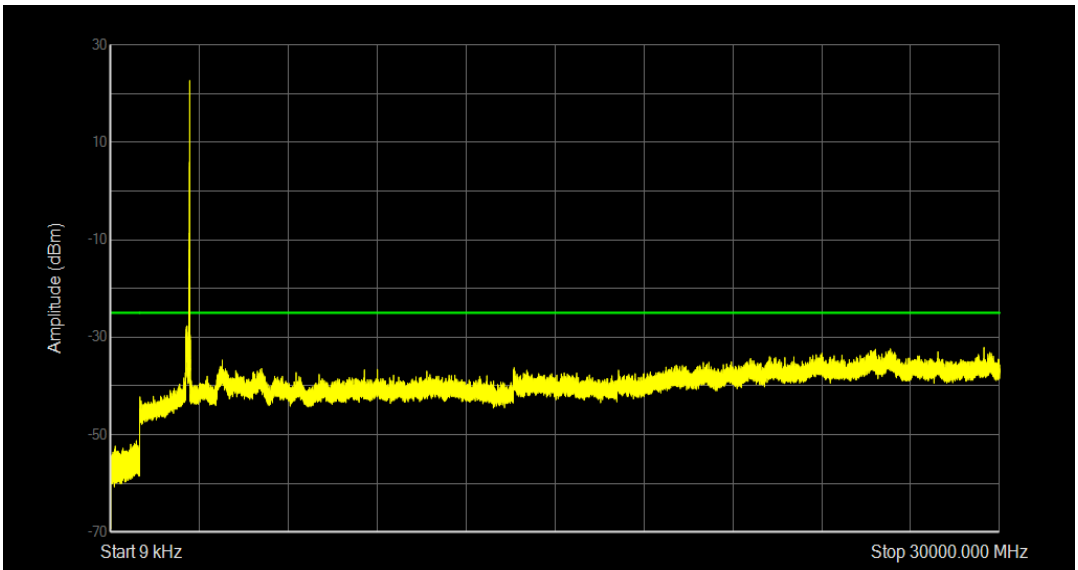
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012831675	-42.15	-25
2	0.15	30	10	0.15	-52.12	-25
3	30	1000	100	934.816	-50.9	-25
4	1000	30000	1000	29706.375	-32.71	-25

n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=528000 RB=1@0



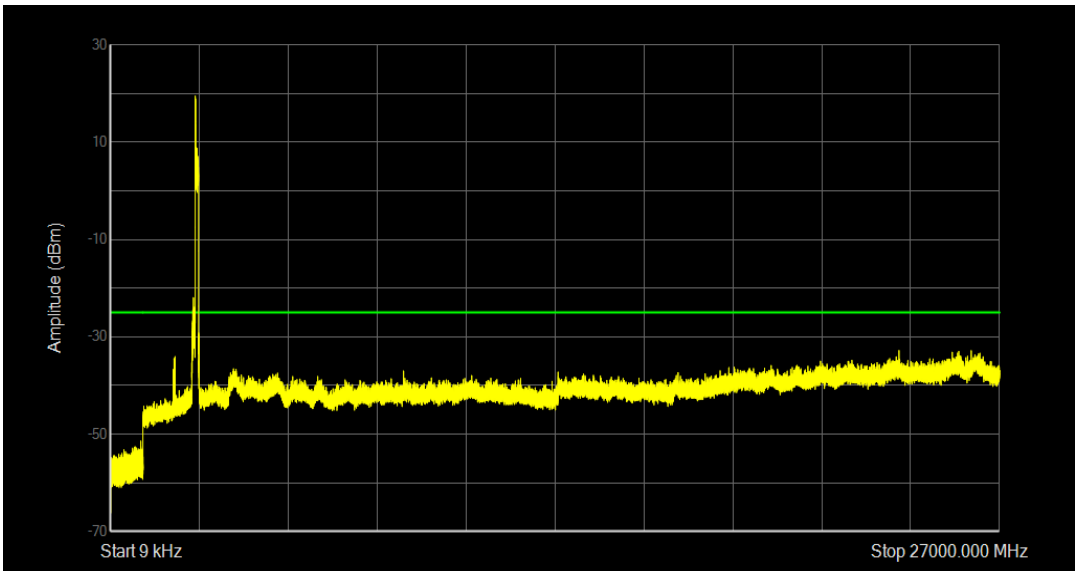
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01319475	-41.06	-25
2	0.15	30	10	0.16417875	-52.79	-25
3	30	1000	100	989.06325	-49.94	-25
4	1000	30000	1000	25644.925	-32.19	-25

n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=528000 RB=1@272



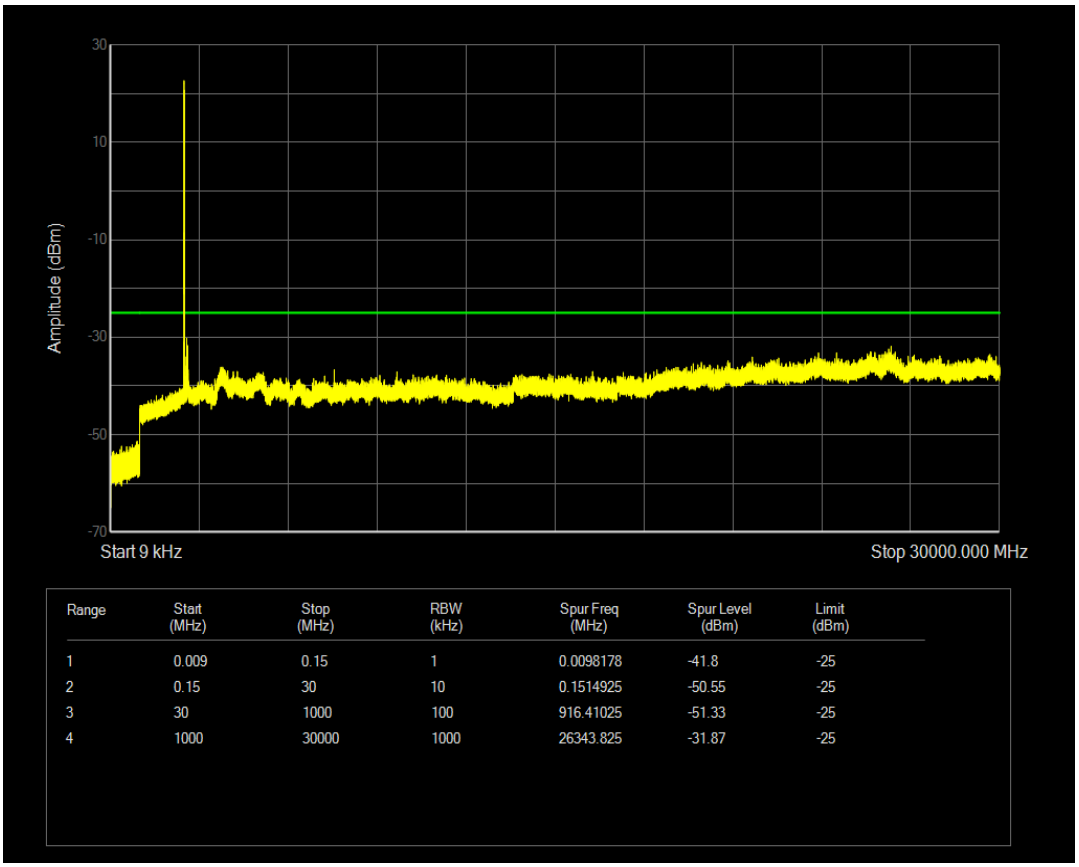
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013494375	-42.24	-25
2	0.15	30	10	0.15	-51.25	-25
3	30	1000	100	890.681	-51.24	-25
4	1000	30000	1000	29475.1	-32.11	-25

n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=528000 RB=270@0



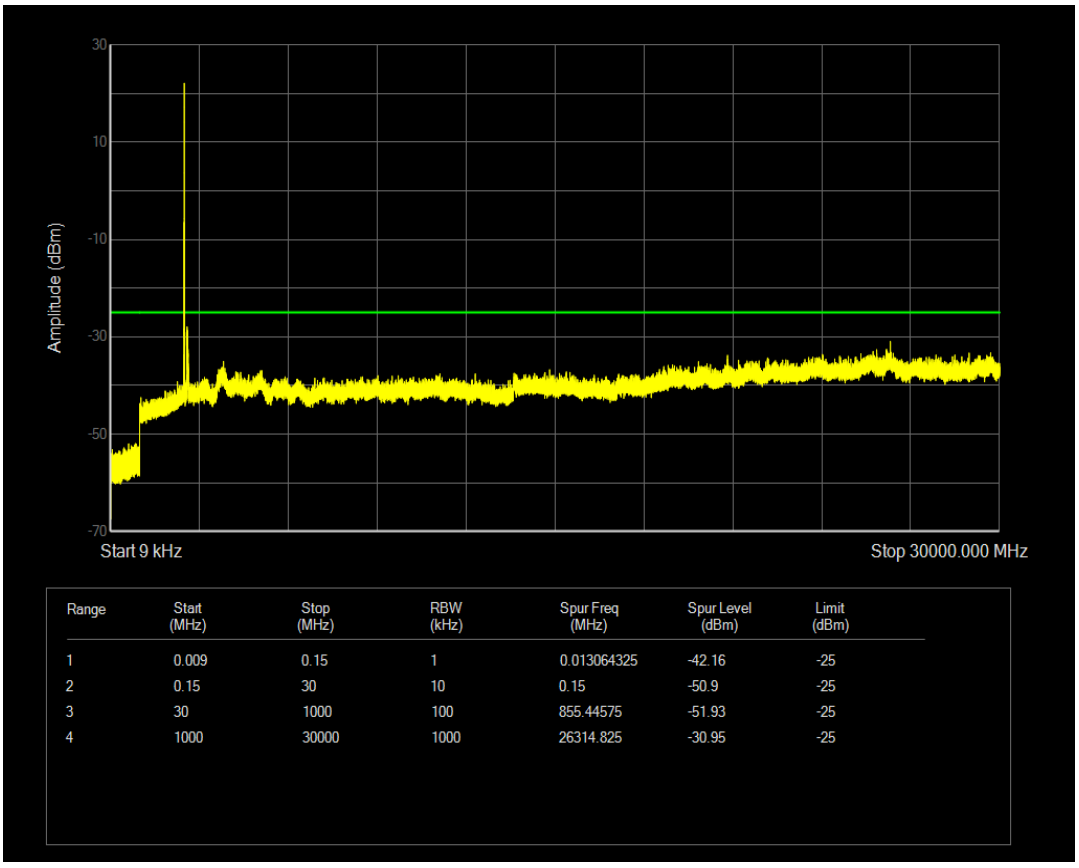
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011245425	-41.29	-25
2	0.15	30	10	0.18507375	-53.48	-25
3	30	1000	100	937.532	-51.42	-25
4	1000	27000	1000	23946.95	-32.81	-25

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=500202 RB=1@0



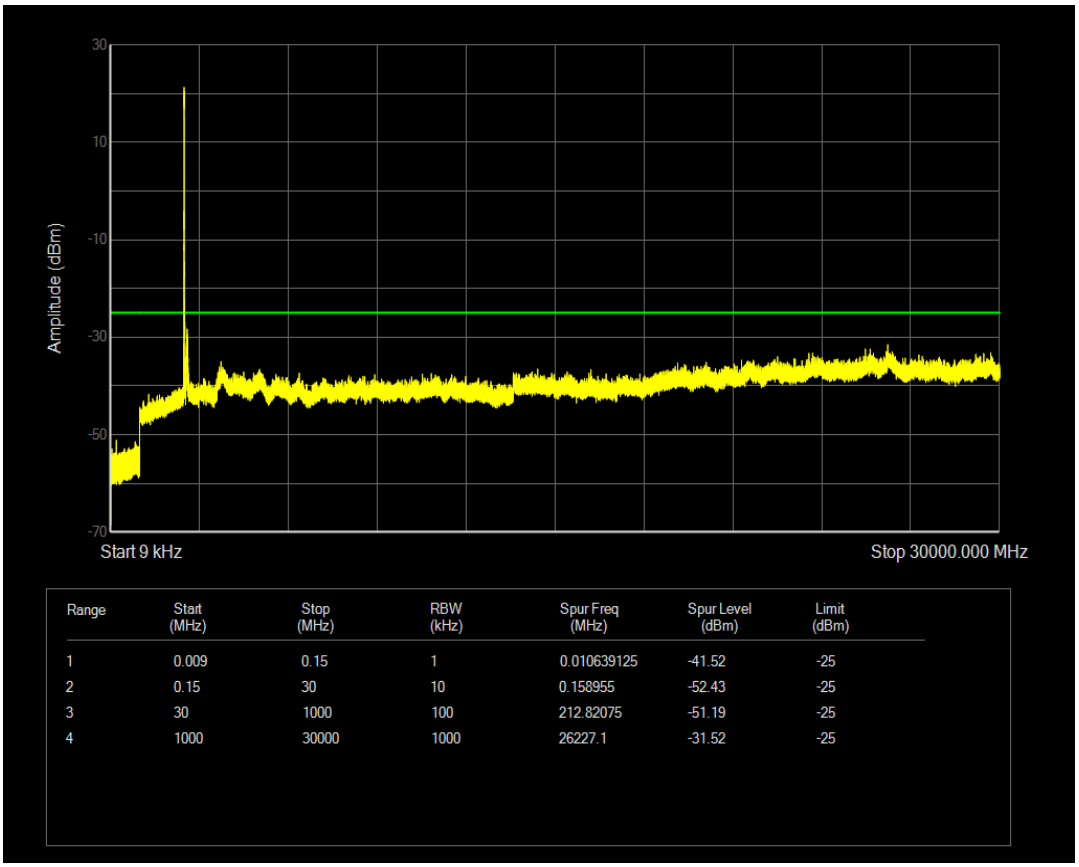
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0098178	-41.8	-25
2	0.15	30	10	0.1514925	-50.55	-25
3	30	1000	100	916.41025	-51.33	-25
4	1000	30000	1000	26343.825	-31.87	-25

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=500202 RB=1@23



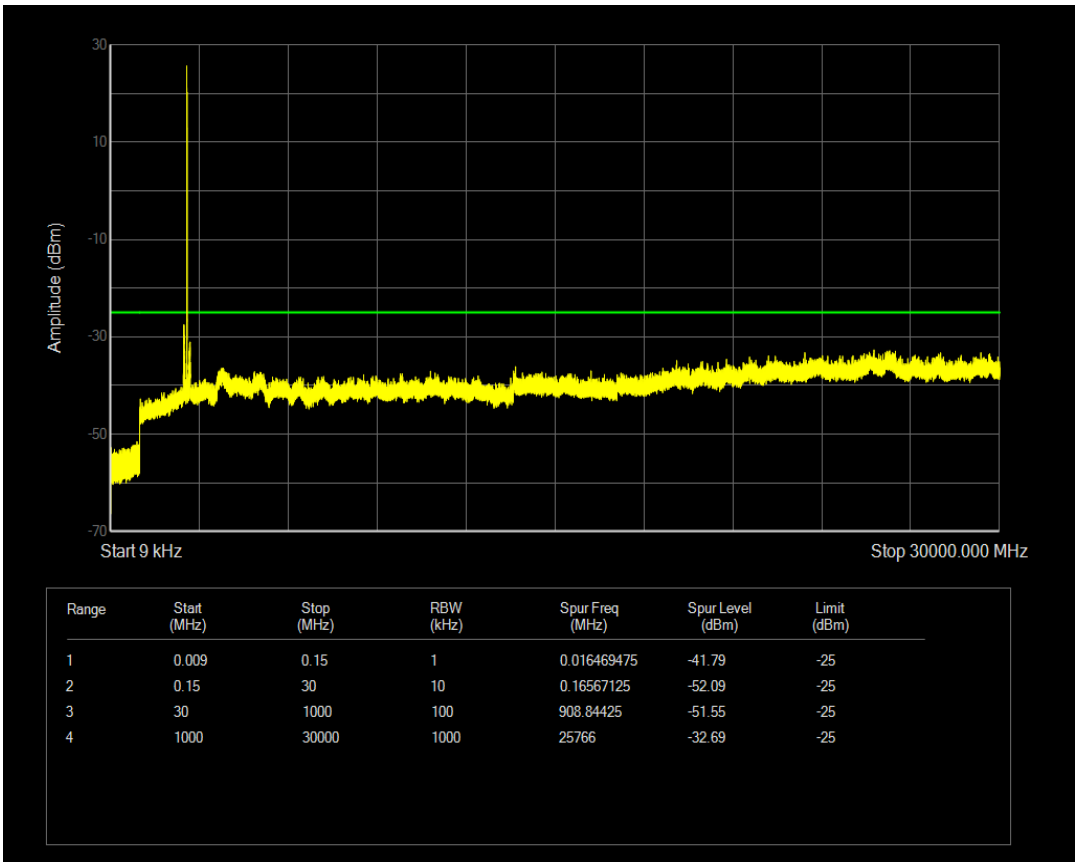
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013064325	-42.16	-25
2	0.15	30	10	0.15	-50.9	-25
3	30	1000	100	855.44575	-51.93	-25
4	1000	30000	1000	26314.825	-30.95	-25

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=500202 RB=24@0



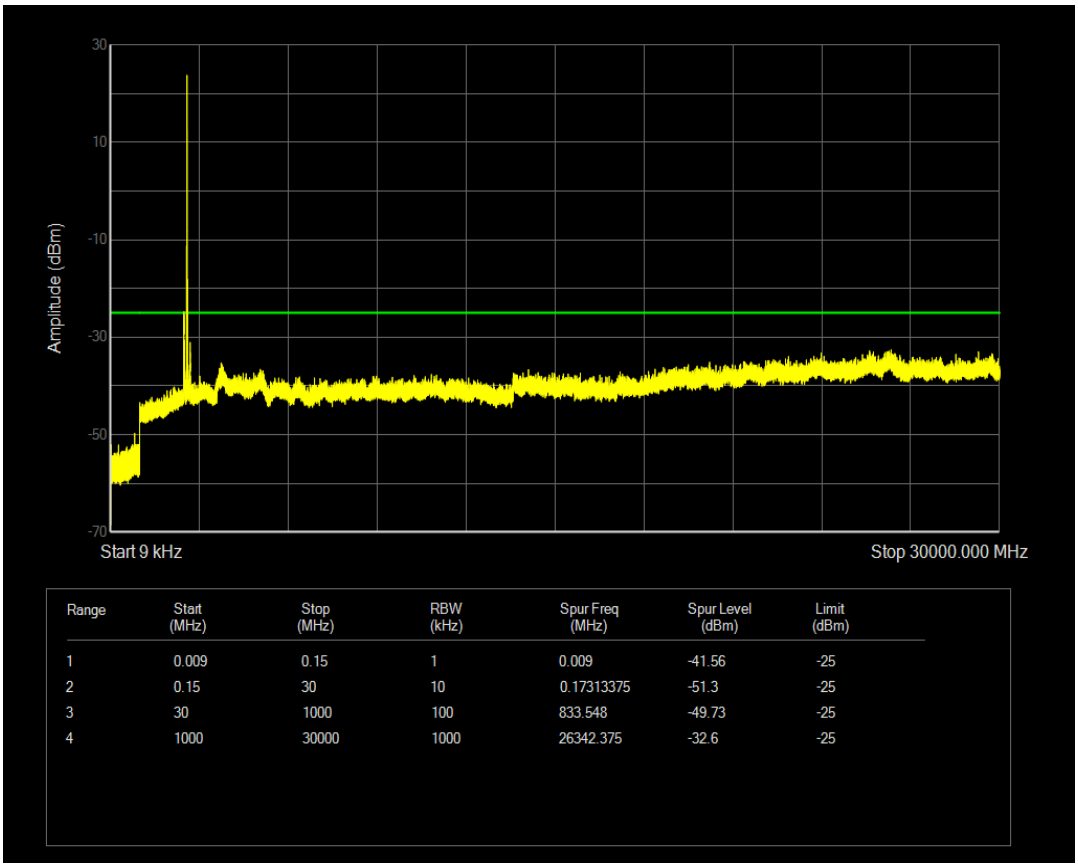
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010639125	-41.52	-25
2	0.15	30	10	0.158955	-52.43	-25
3	30	1000	100	212.82075	-51.19	-25
4	1000	30000	1000	26227.1	-31.52	-25

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=518598 RB=1@0



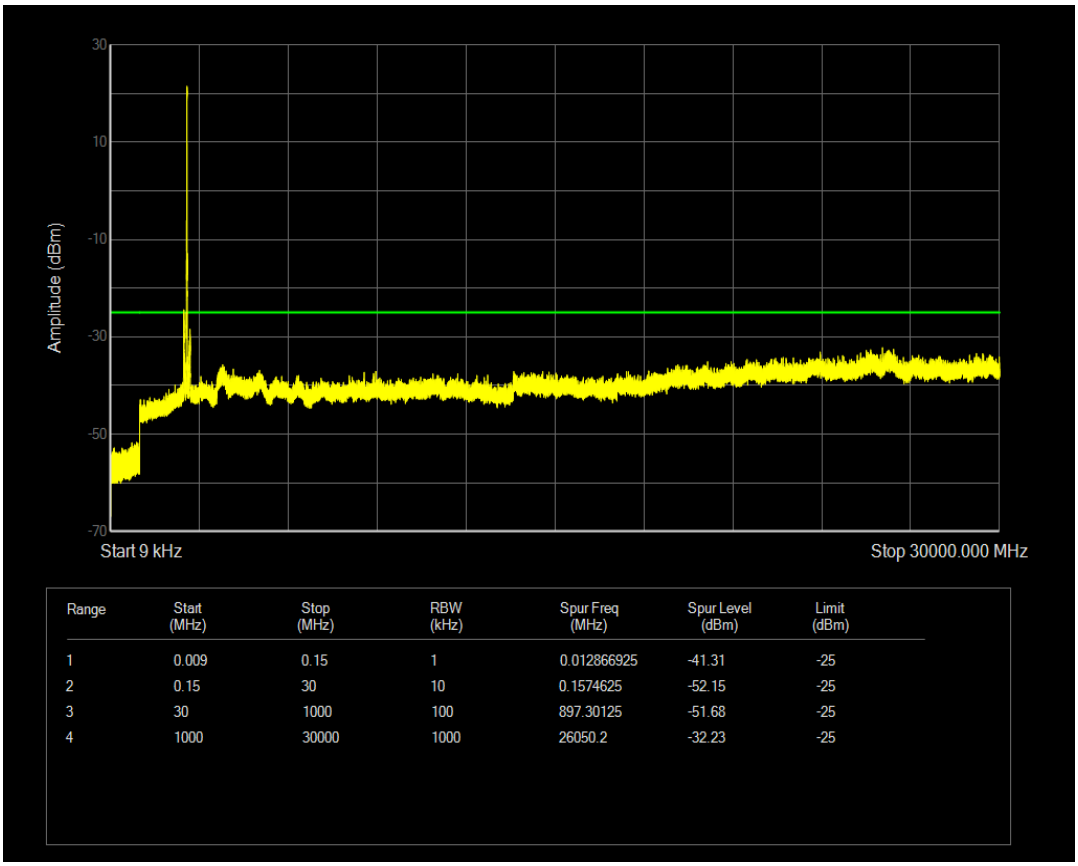
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.016469475	-41.79	-25
2	0.15	30	10	0.16567125	-52.09	-25
3	30	1000	100	908.84425	-51.55	-25
4	1000	30000	1000	25766	-32.69	-25

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=518598 RB=1@23



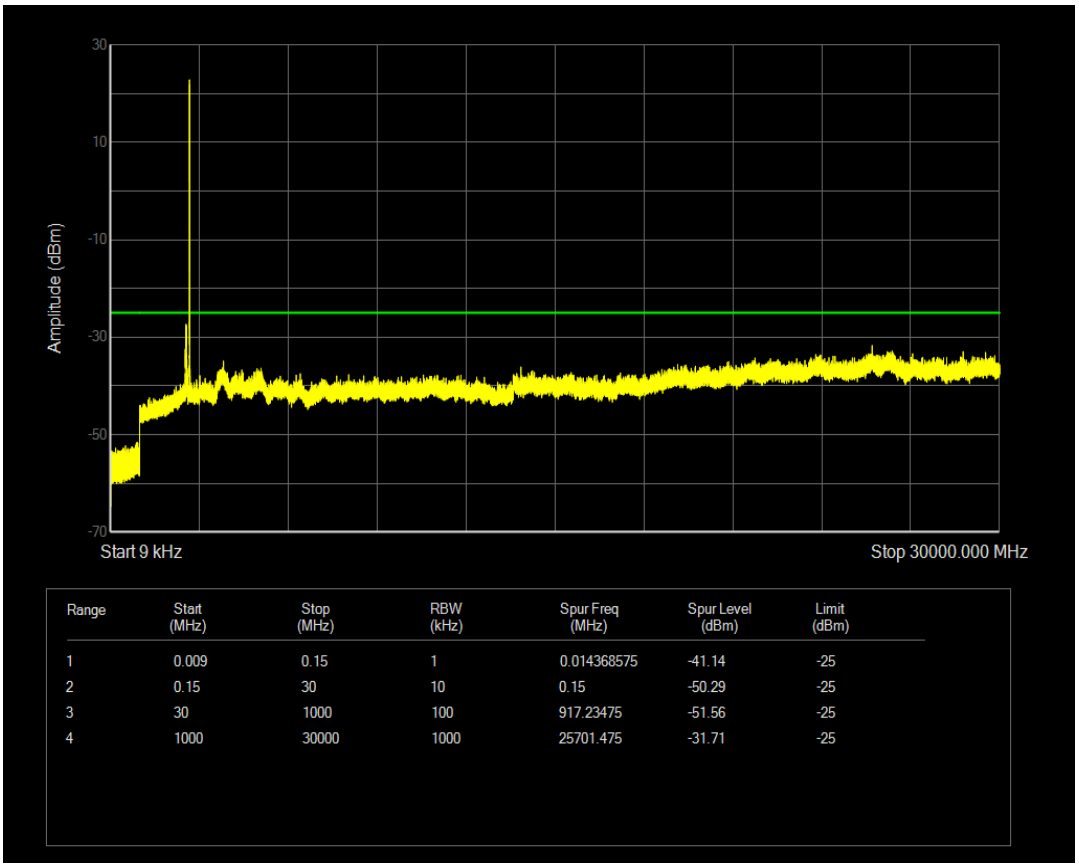
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-41.56	-25
2	0.15	30	10	0.17313375	-51.3	-25
3	30	1000	100	833.548	-49.73	-25
4	1000	30000	1000	26342.375	-32.6	-25

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=518598 RB=24@0



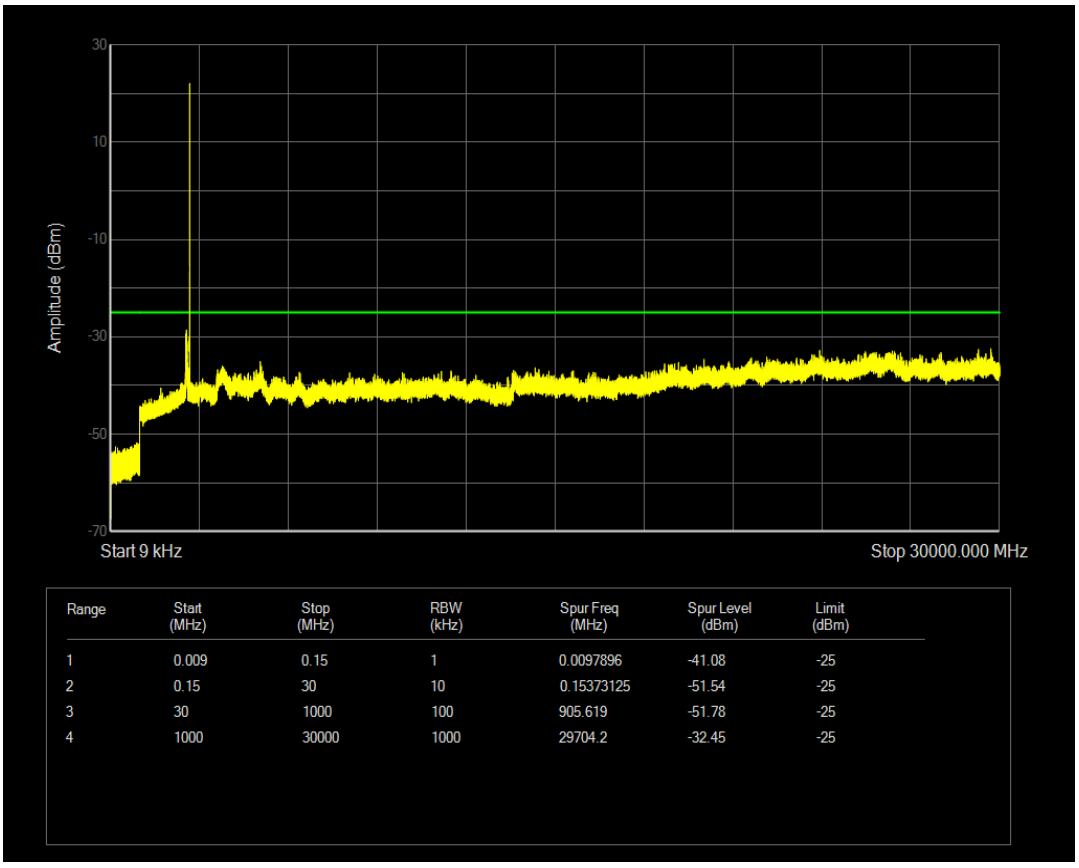
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012866925	-41.31	-25
2	0.15	30	10	0.1574625	-52.15	-25
3	30	1000	100	897.30125	-51.68	-25
4	1000	30000	1000	26050.2	-32.23	-25

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=537000 RB=1@0



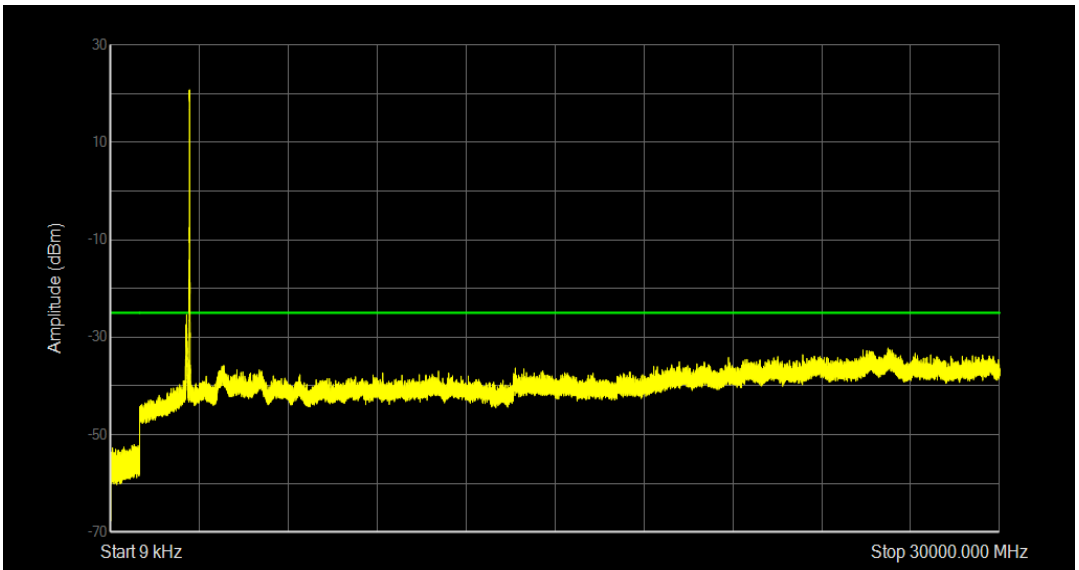
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014368575	-41.14	-25
2	0.15	30	10	0.15	-50.29	-25
3	30	1000	100	917.23475	-51.56	-25
4	1000	30000	1000	25701.475	-31.71	-25

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=537000 RB=1@23



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0097896	-41.08	-25
2	0.15	30	10	0.15373125	-51.54	-25
3	30	1000	100	905.619	-51.78	-25
4	1000	30000	1000	29704.2	-32.45	-25

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=537000 RB=24@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0105369	-40.92	-25
2	0.15	30	10	0.16716375	-51.12	-25
3	30	1000	100	811.94125	-52.06	-25
4	1000	30000	1000	26240.15	-32.23	-25