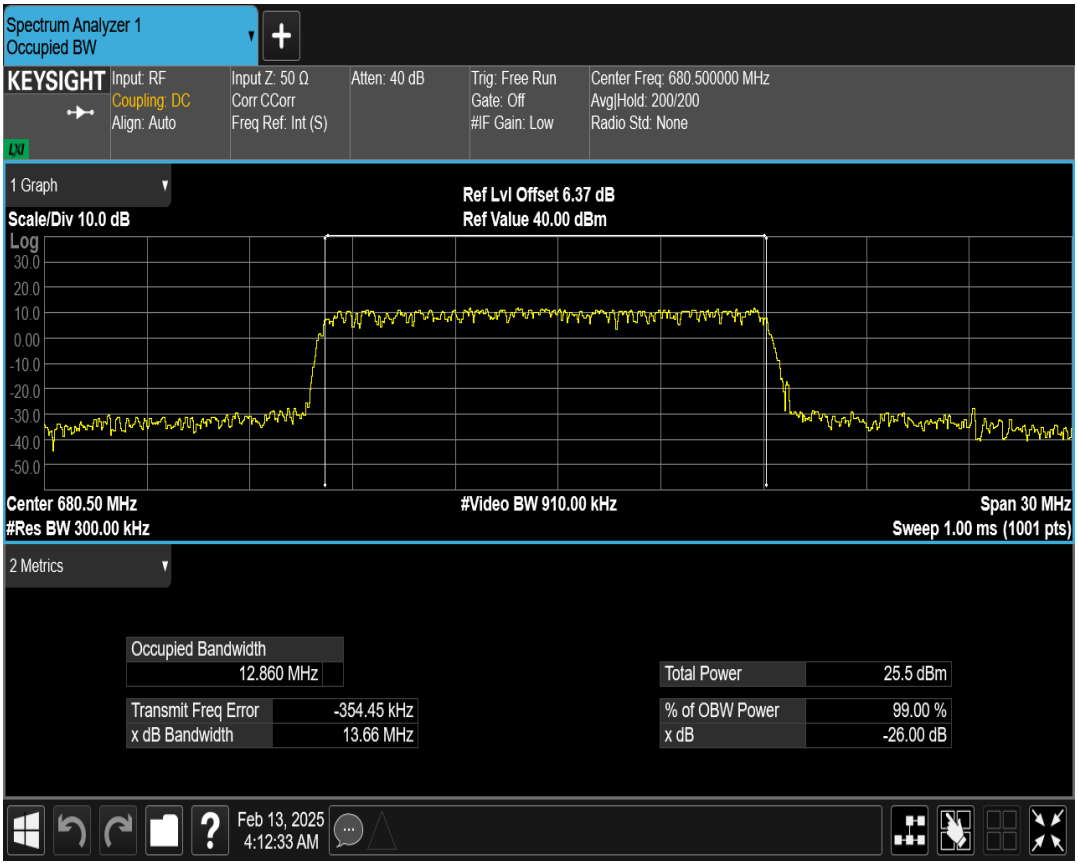
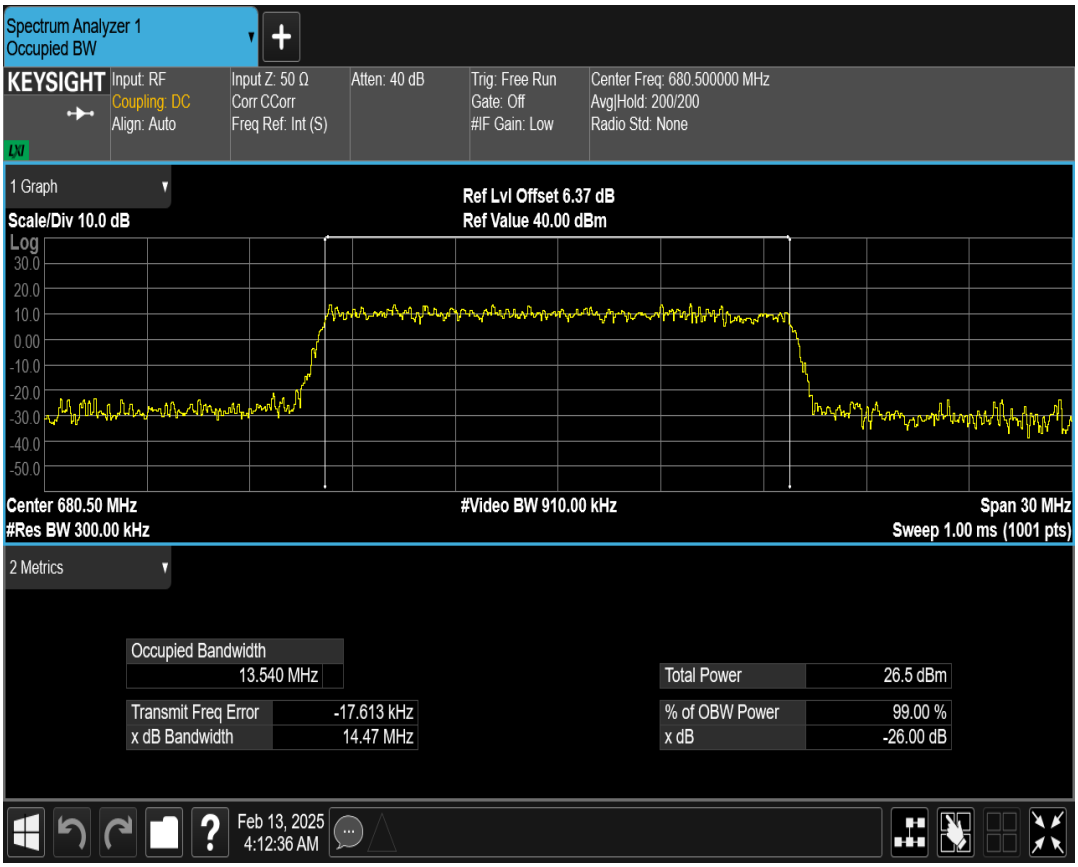
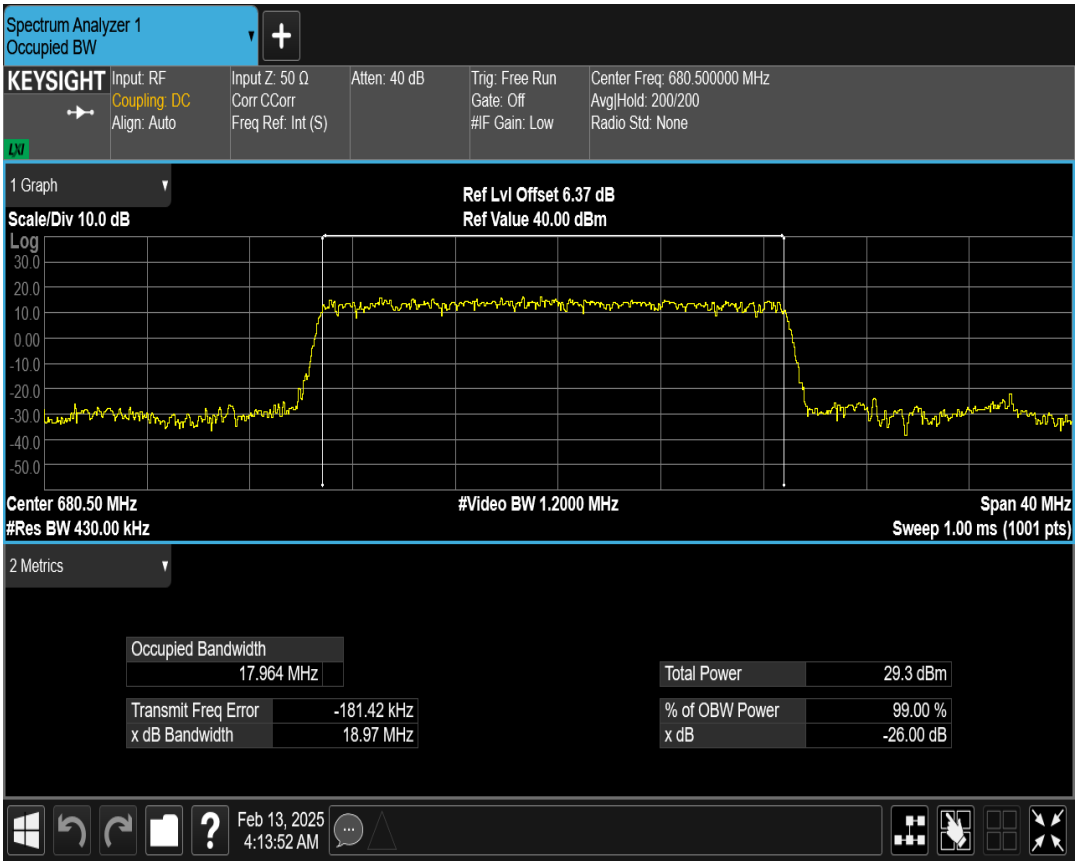
n71 SCS=30kHz DFT_QAM256 BW=15MHz Channel=136100 RB=36@0



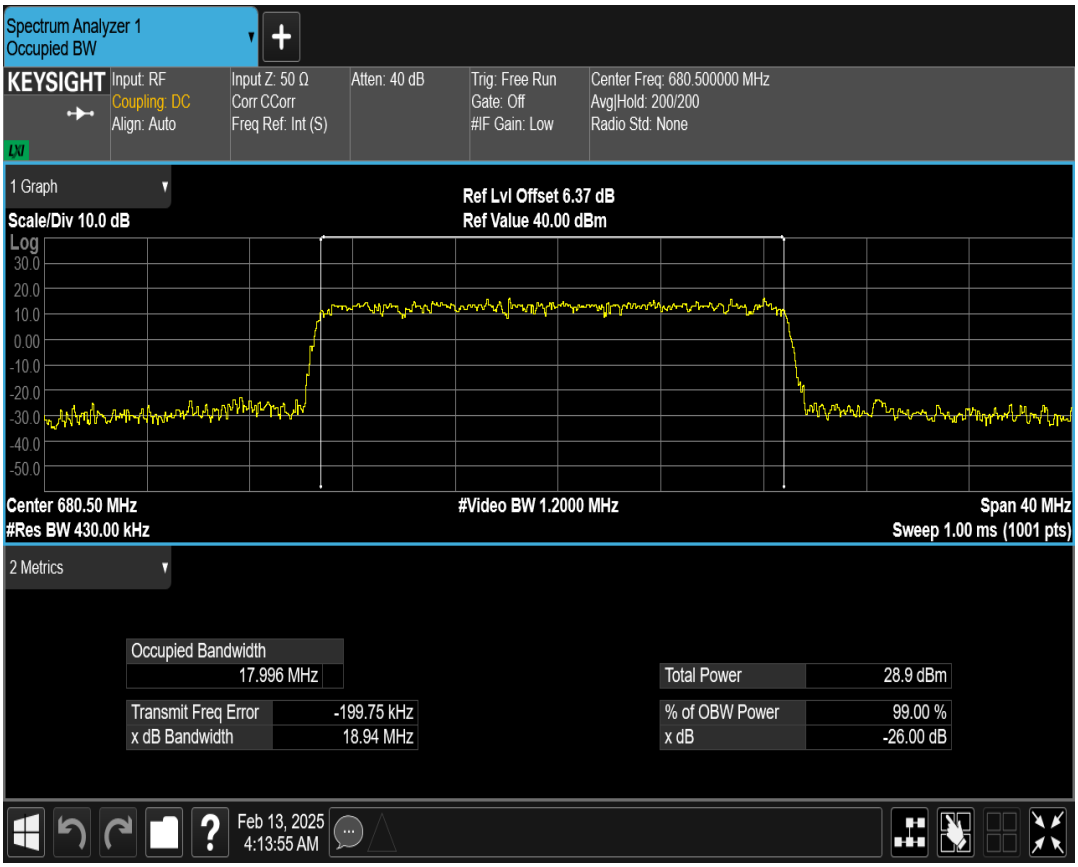
n71 SCS=30kHz CP_QPSK BW=15MHz Channel=136100 RB=38@0



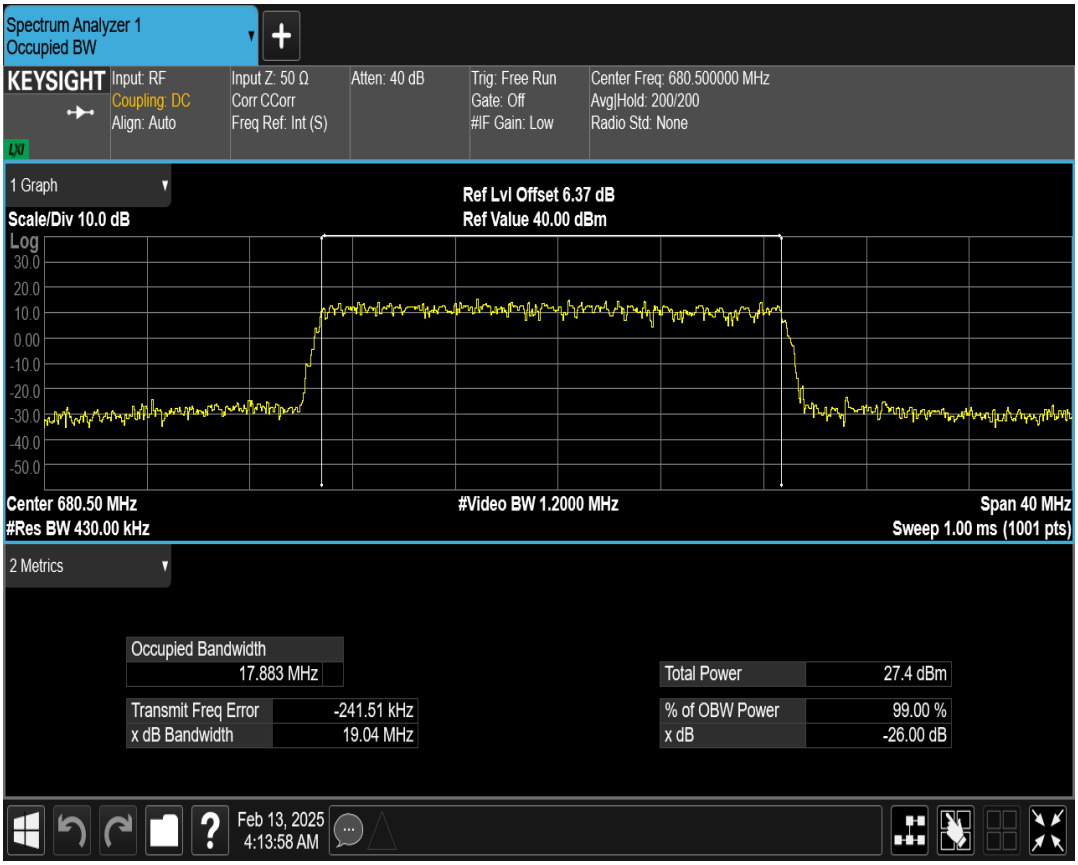
n71 SCS=30kHz DFT_BPSK BW=20MHz Channel=136100 RB=50@0



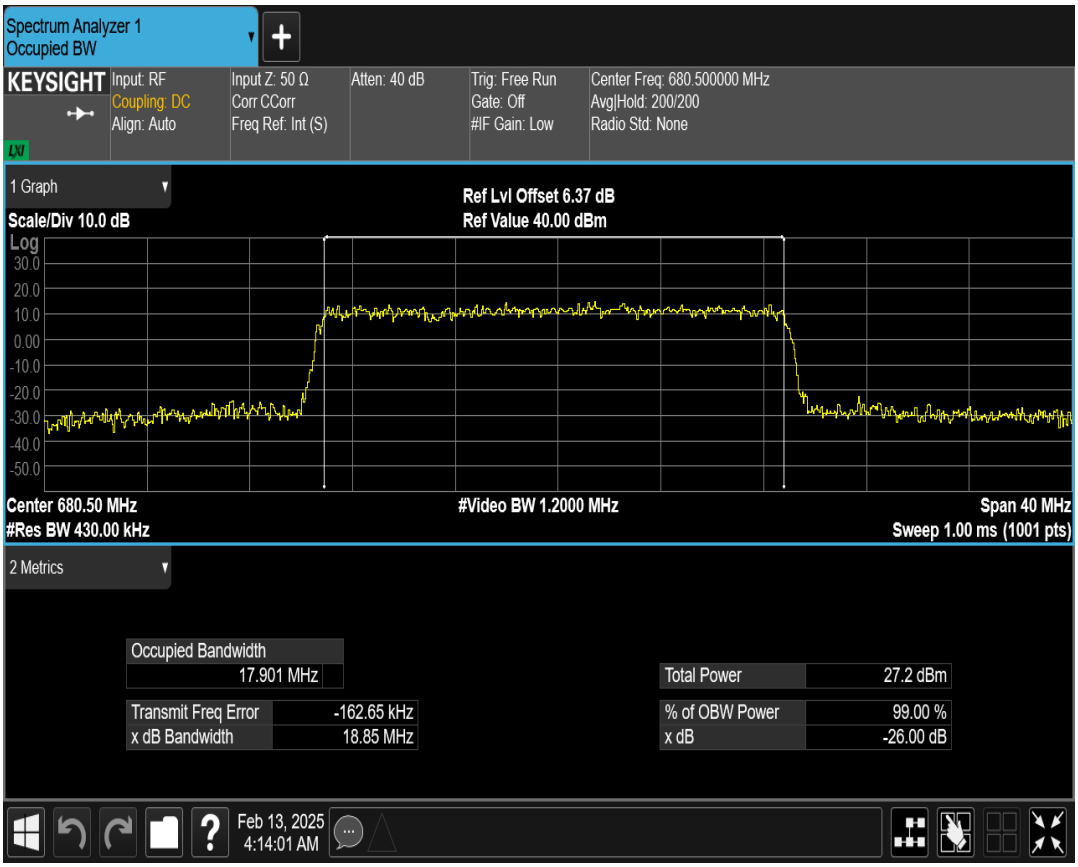
n71 SCS=30kHz DFT_QPSK BW=20MHz Channel=136100 RB=50@0



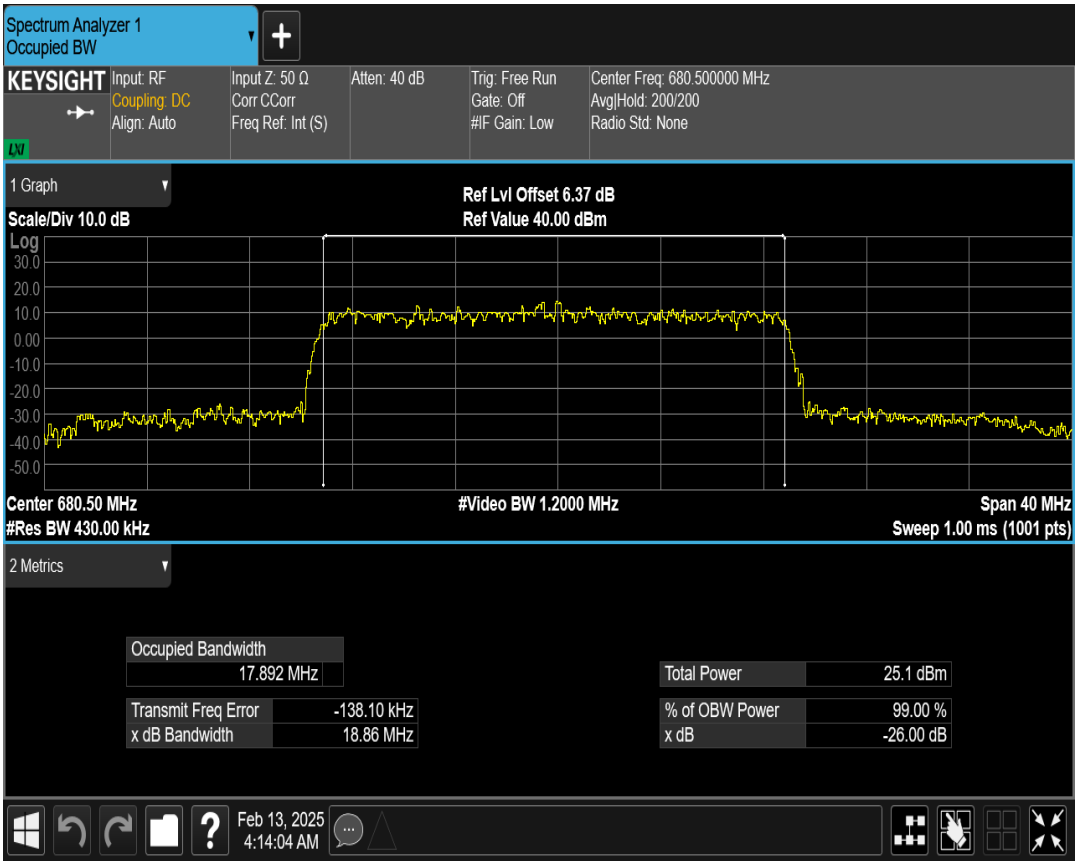
n71 SCS=30kHz DFT_QAM16 BW=20MHz Channel=136100 RB=50@0



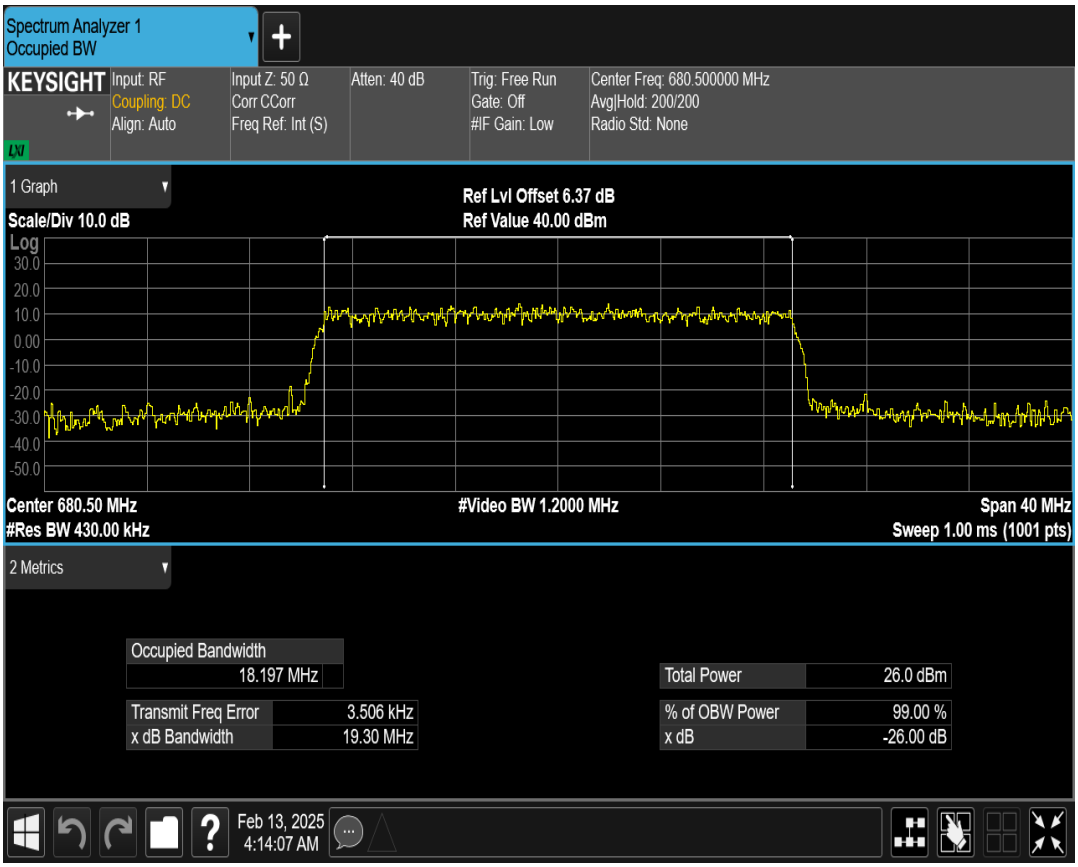
n71 SCS=30kHz DFT_QAM64 BW=20MHz Channel=136100 RB=50@0



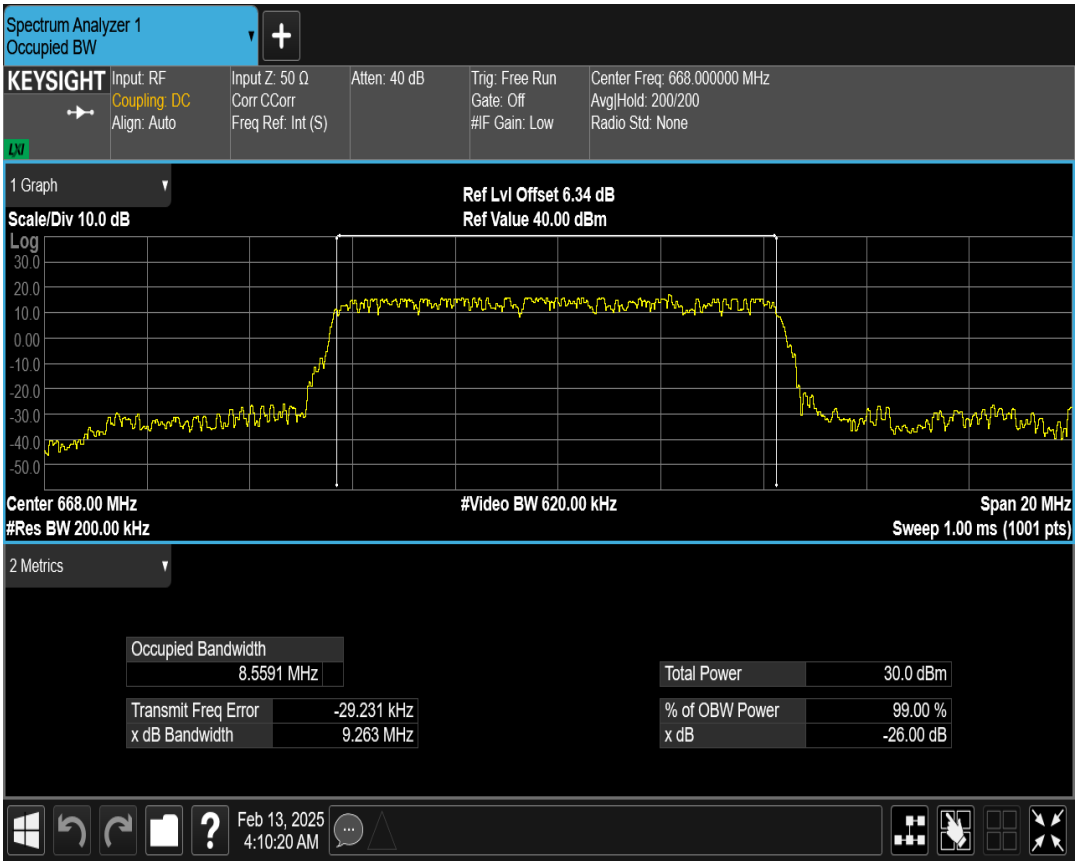
n71 SCS=30kHz DFT_QAM256 BW=20MHz Channel=136100 RB=50@0



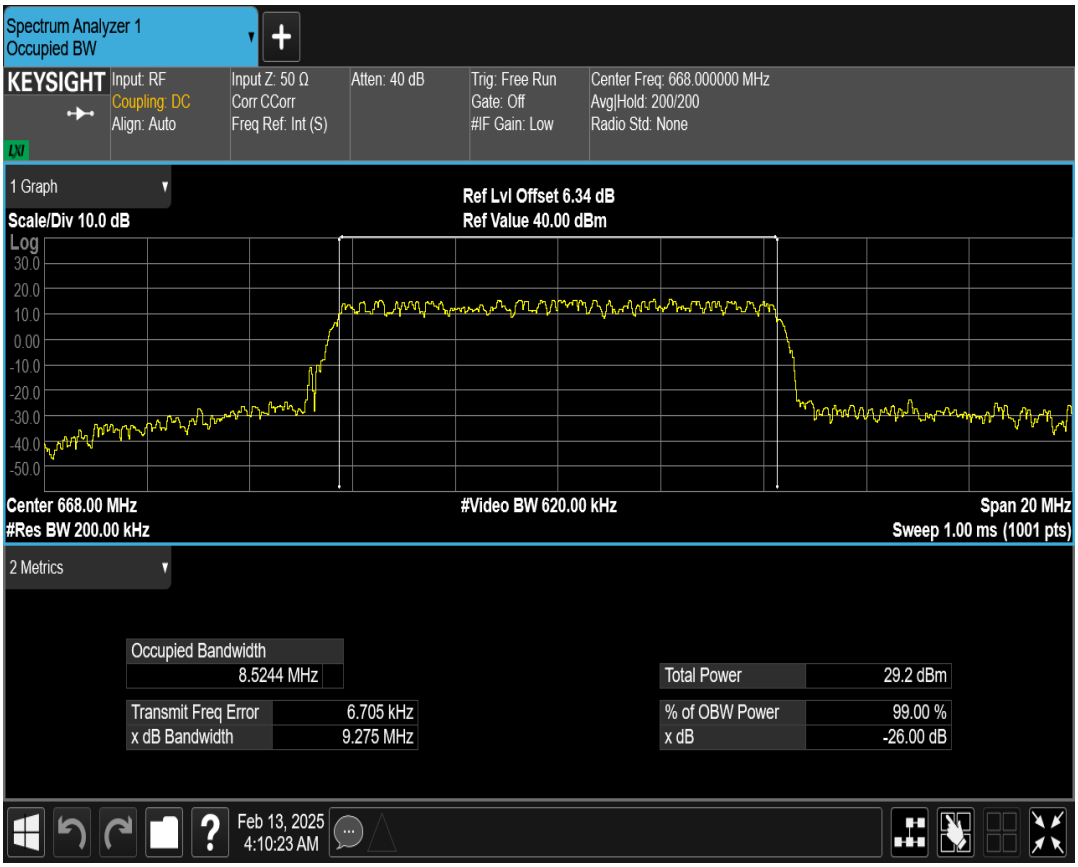
n71 SCS=30kHz CP_QPSK BW=20MHz Channel=136100 RB=51@0



n71 SCS=30kHz DFT_BPSK BW=10MHz Channel=133600 RB=24@0



n71 SCS=30kHz DFT_QPSK BW=10MHz Channel=133600 RB=24@0



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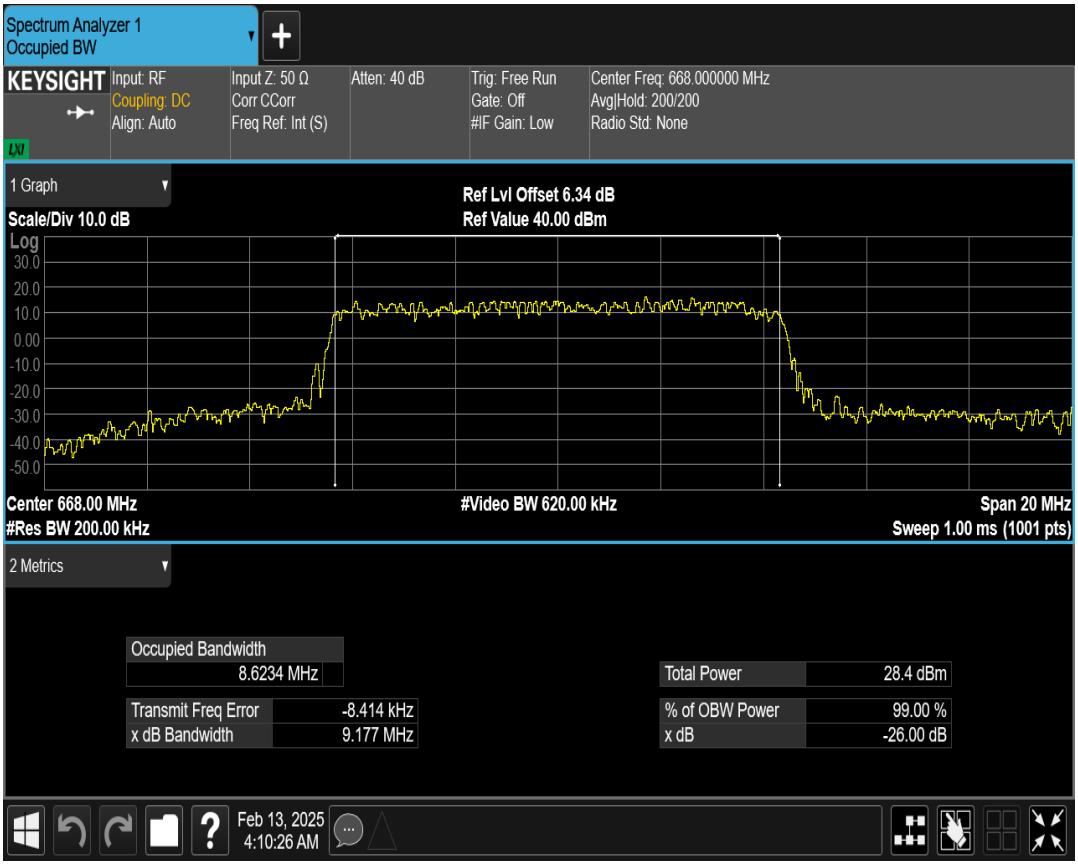
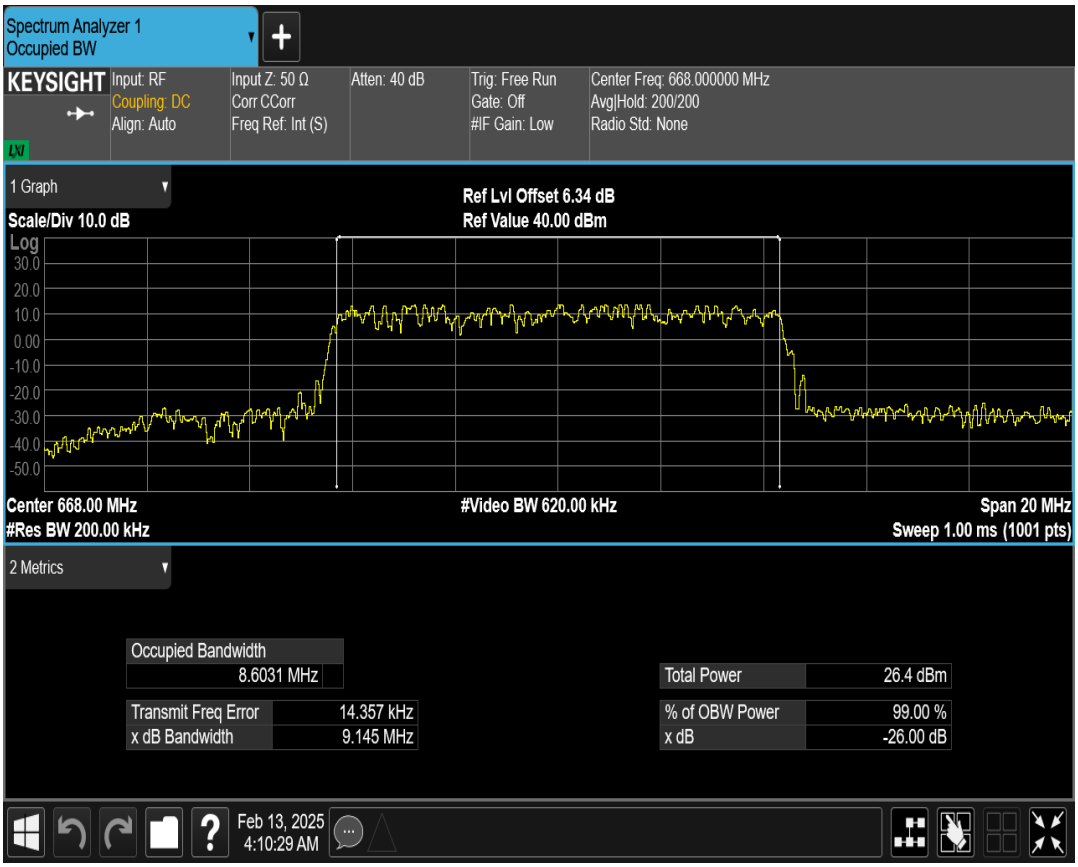
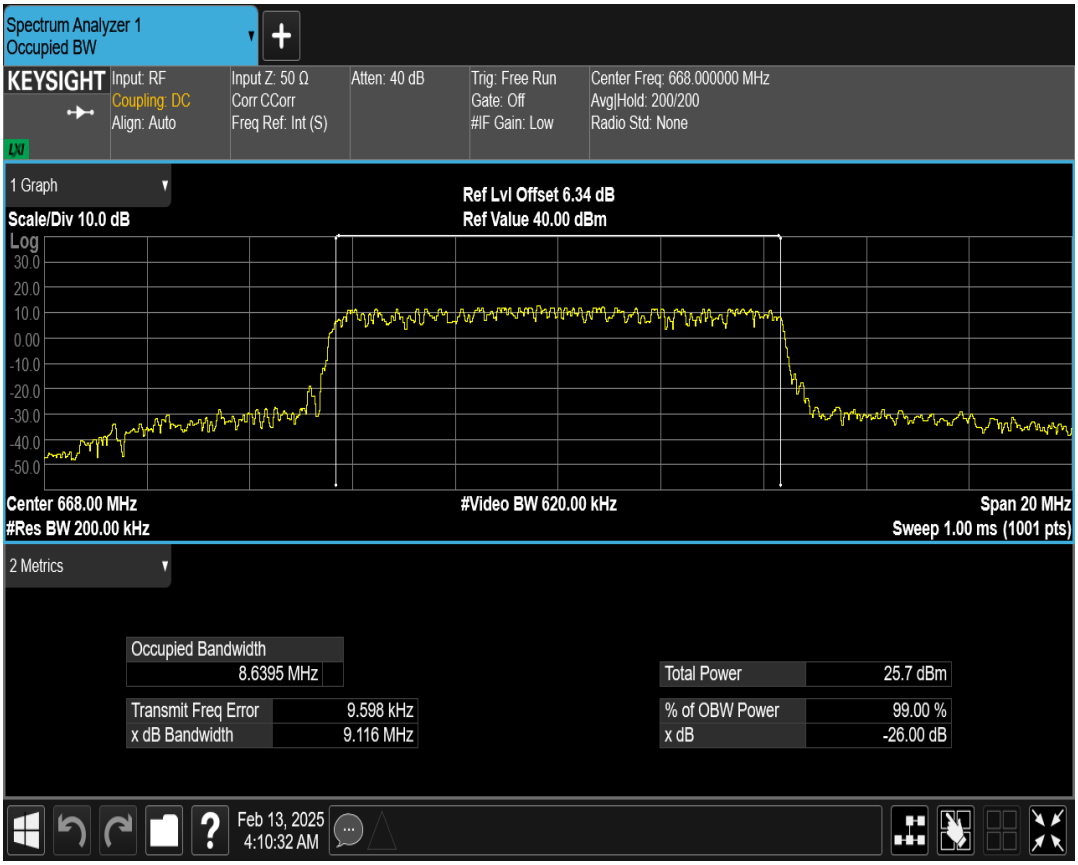


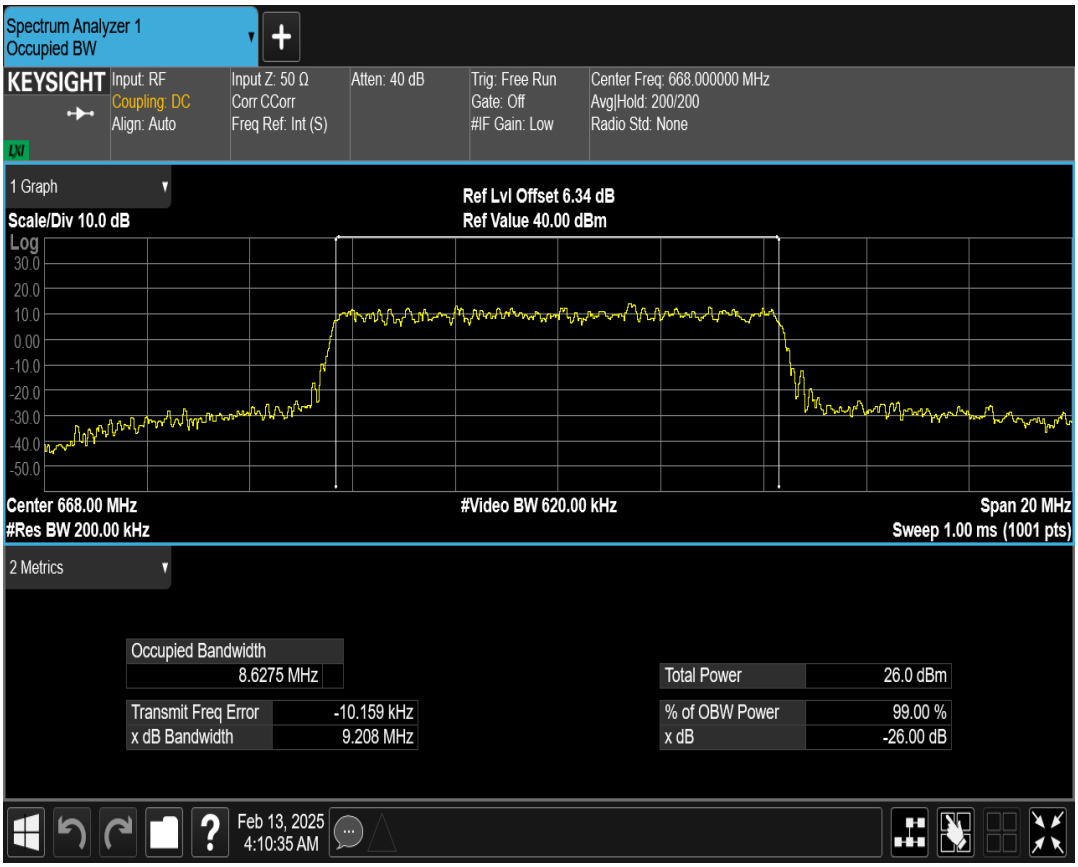
n71 SCS=30kHz DFT_QAM64 BW=10MHz Channel=133600 RB=24@0



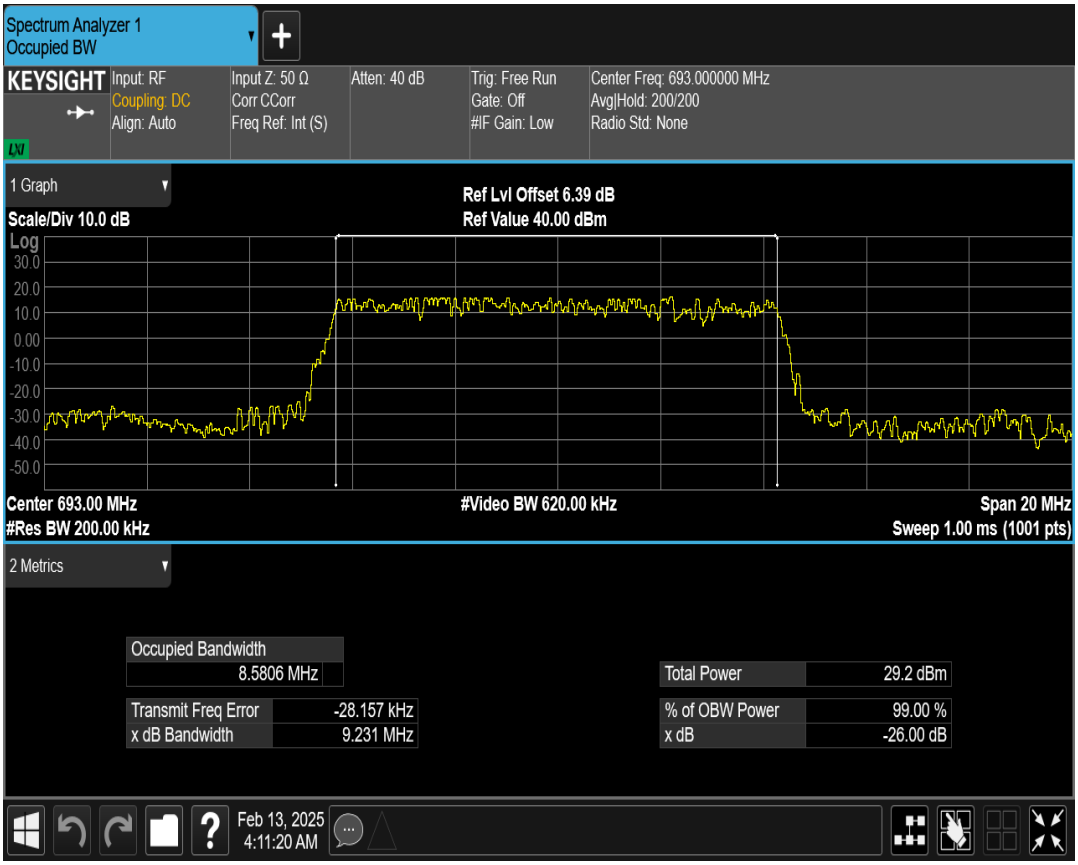
n71 SCS=30kHz DFT_QAM256 BW=10MHz Channel=133600 RB=24@0



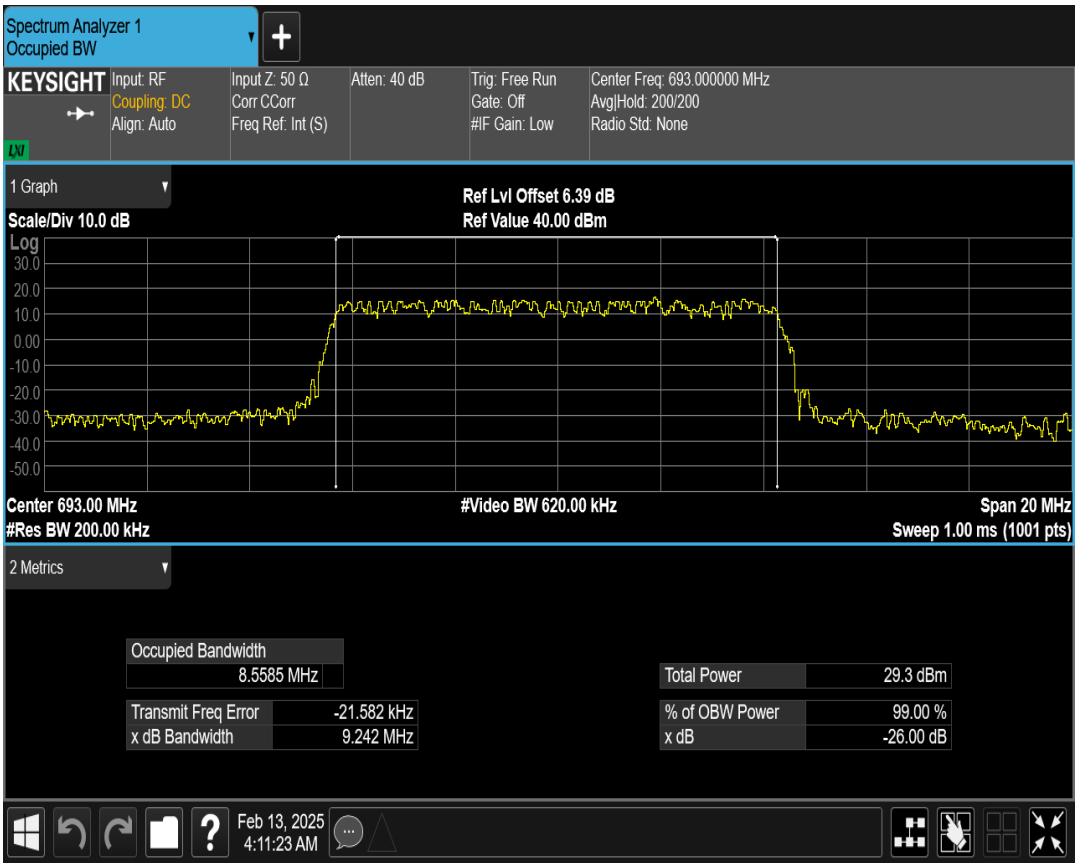
n71 SCS=30kHz CP_QPSK BW=10MHz Channel=133600 RB=24@0



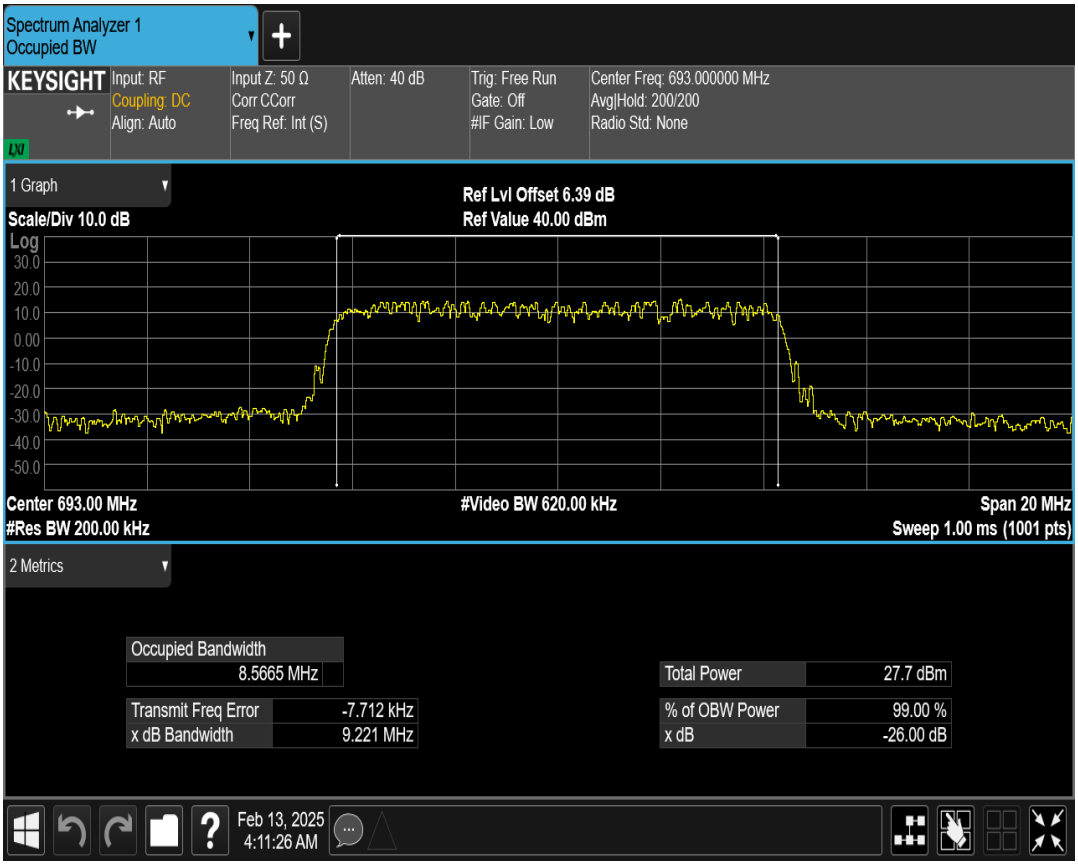
n71 SCS=30kHz DFT_BPSK BW=10MHz Channel=138600 RB=24@0



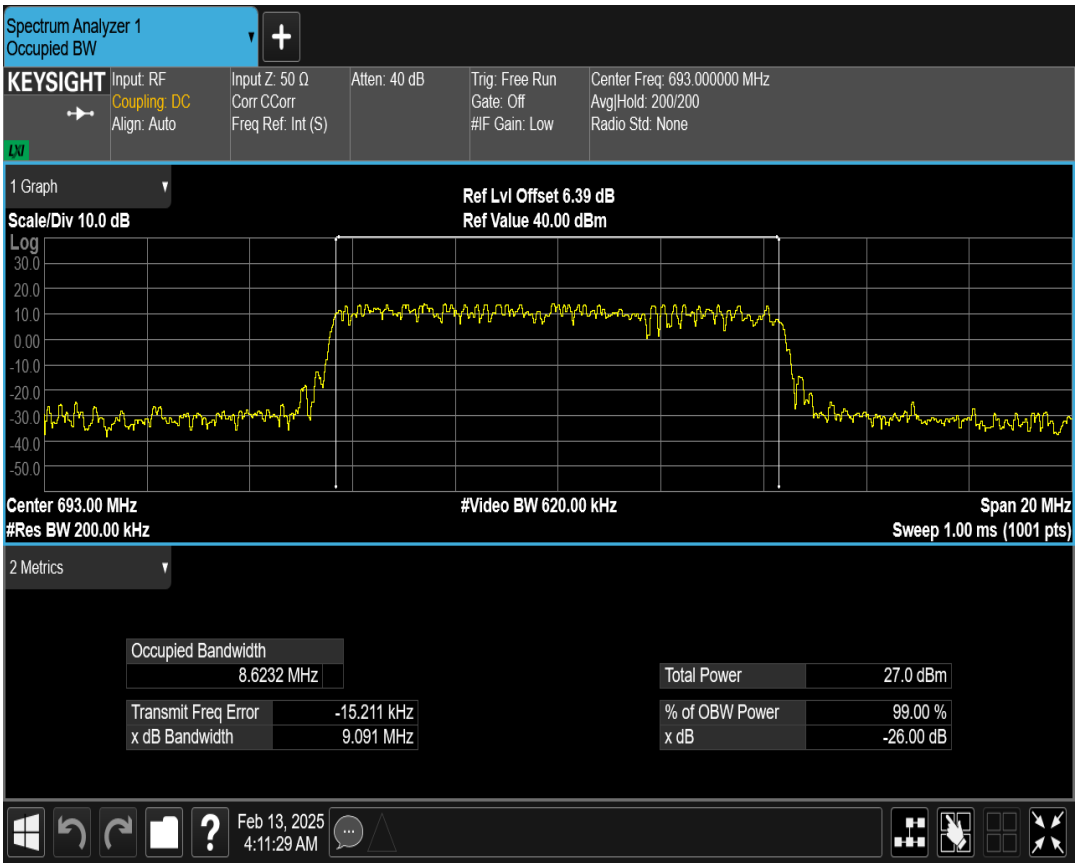
n71 SCS=30kHz DFT_QPSK BW=10MHz Channel=138600 RB=24@0



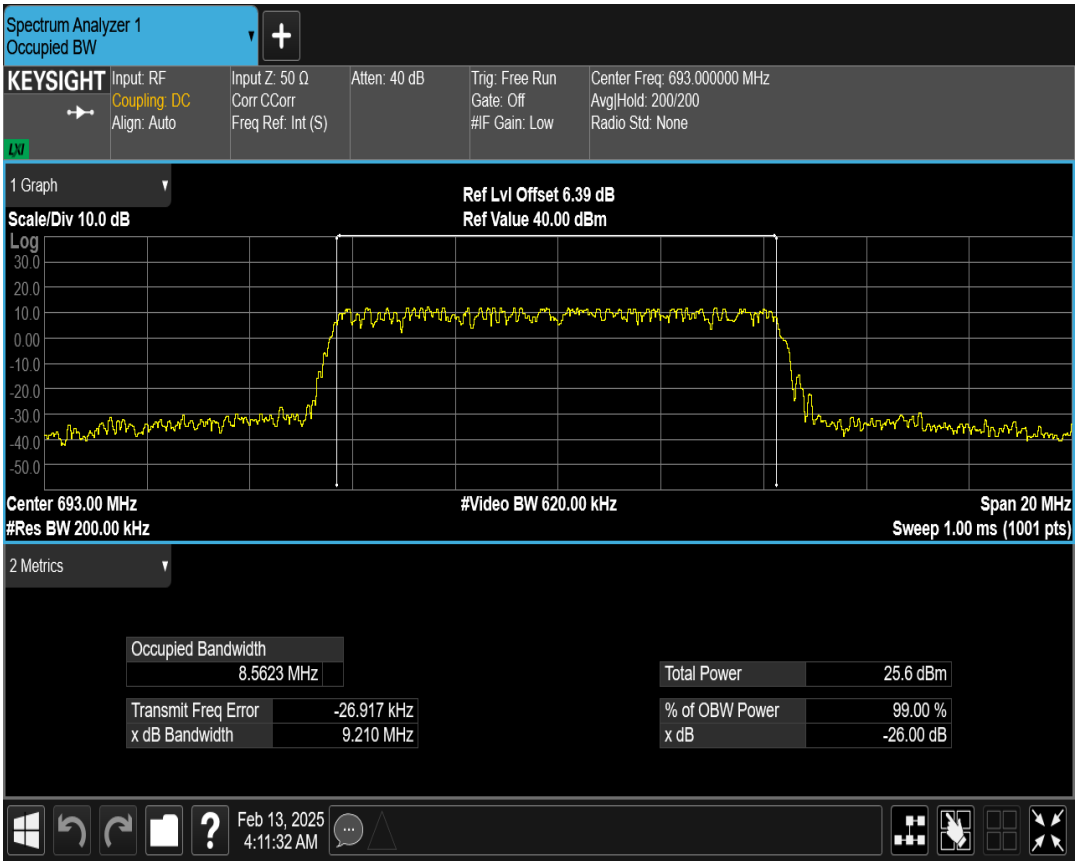
n71 SCS=30kHz DFT_QAM16 BW=10MHz Channel=138600 RB=24@0



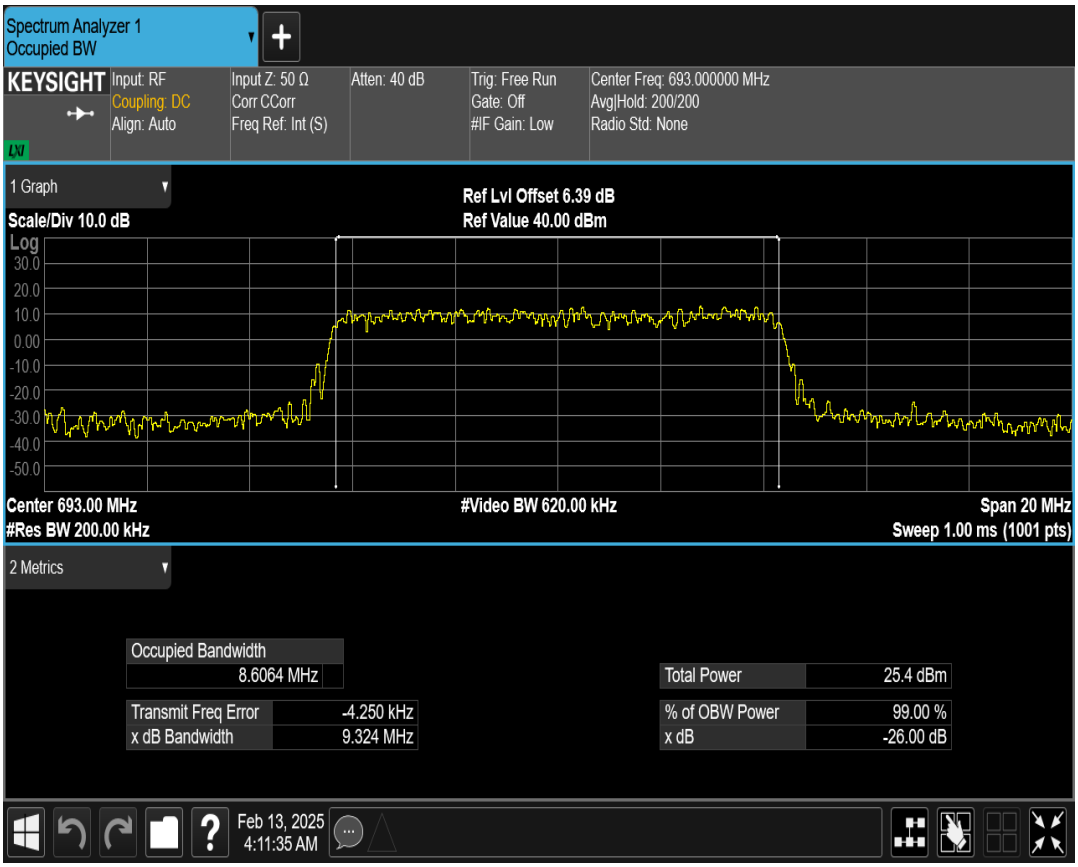
n71 SCS=30kHz DFT_QAM64 BW=10MHz Channel=138600 RB=24@0



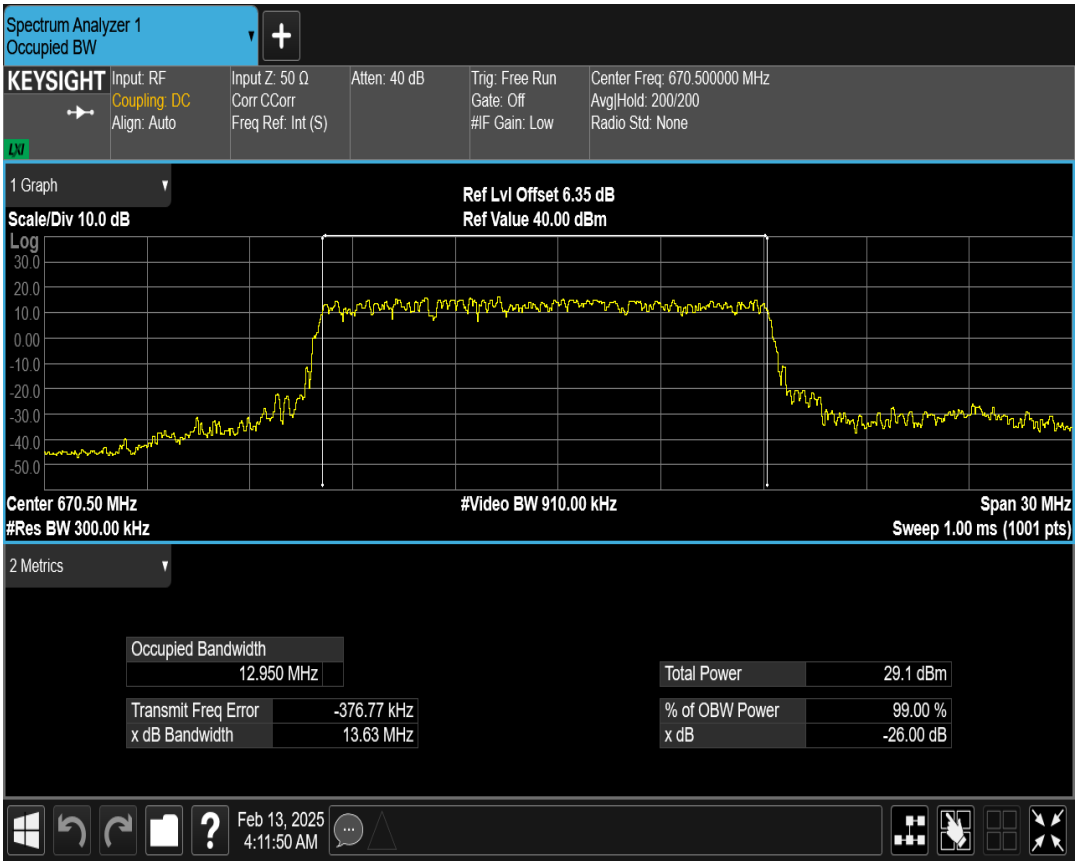
n71 SCS=30kHz DFT_QAM256 BW=10MHz Channel=138600 RB=24@0



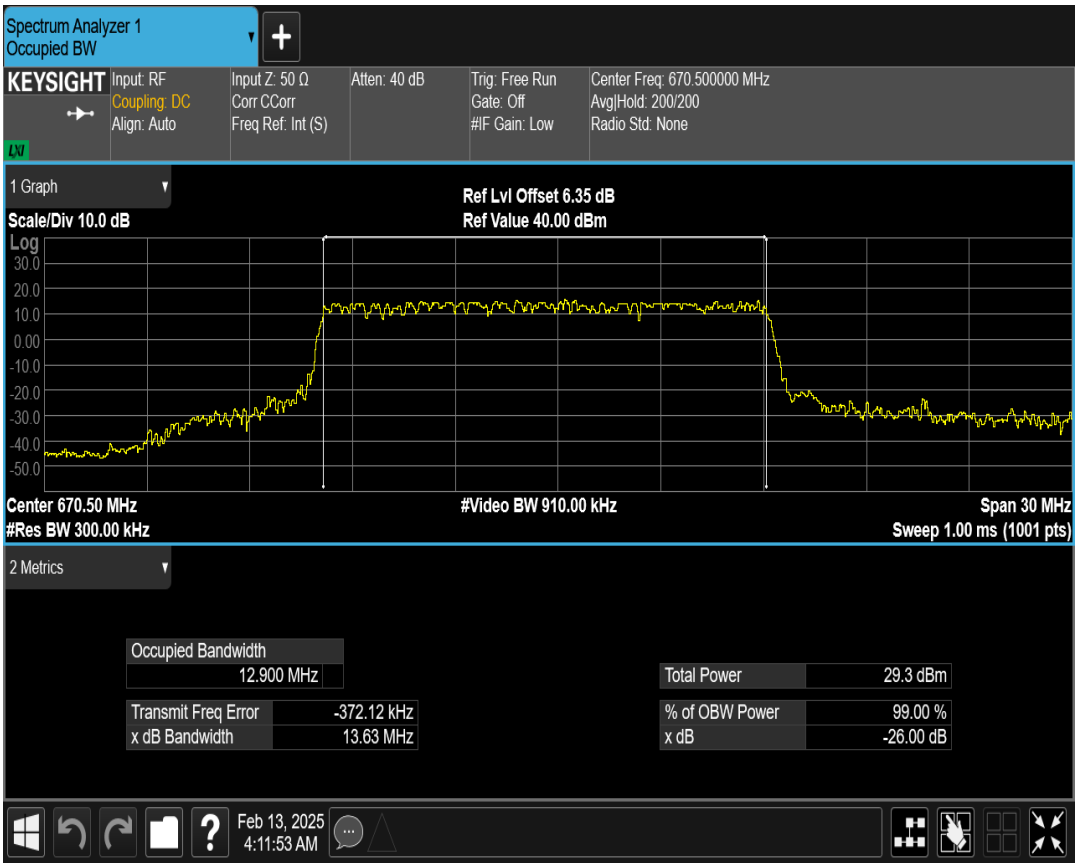
n71 SCS=30kHz CP_QPSK BW=10MHz Channel=138600 RB=24@0



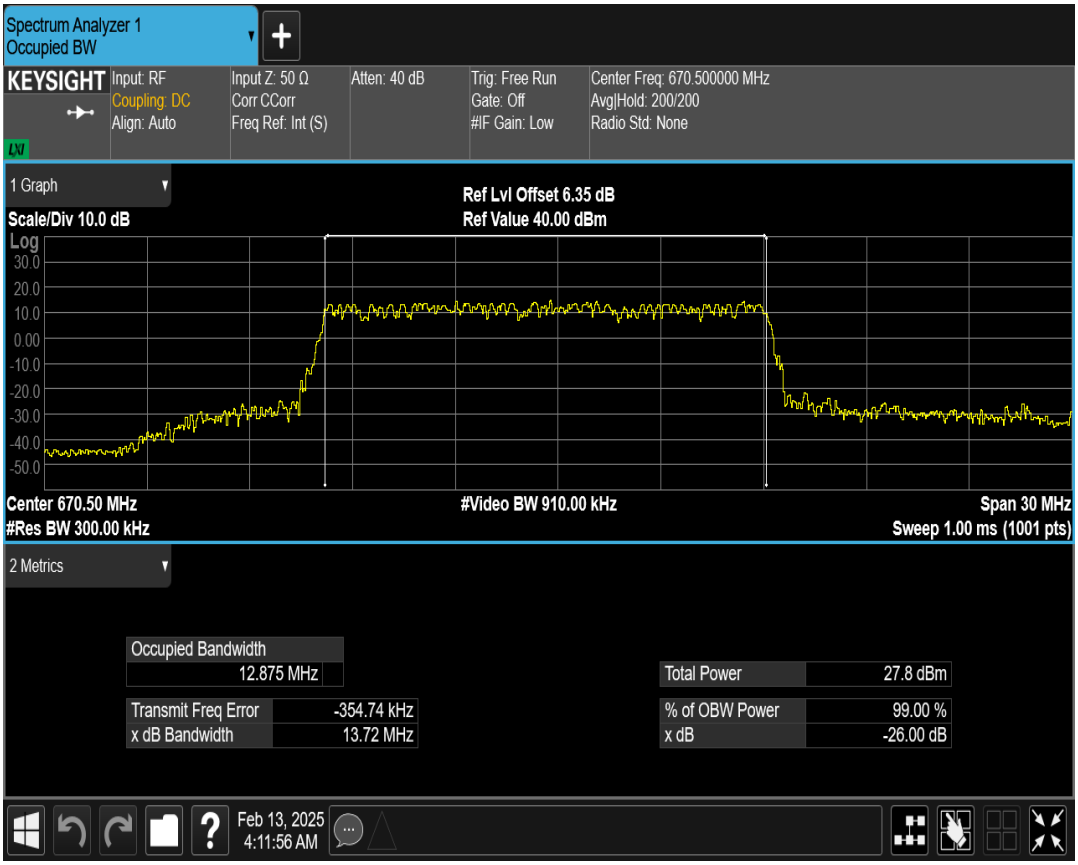
n71 SCS=30kHz DFT_BPSK BW=15MHz Channel=134100 RB=36@0



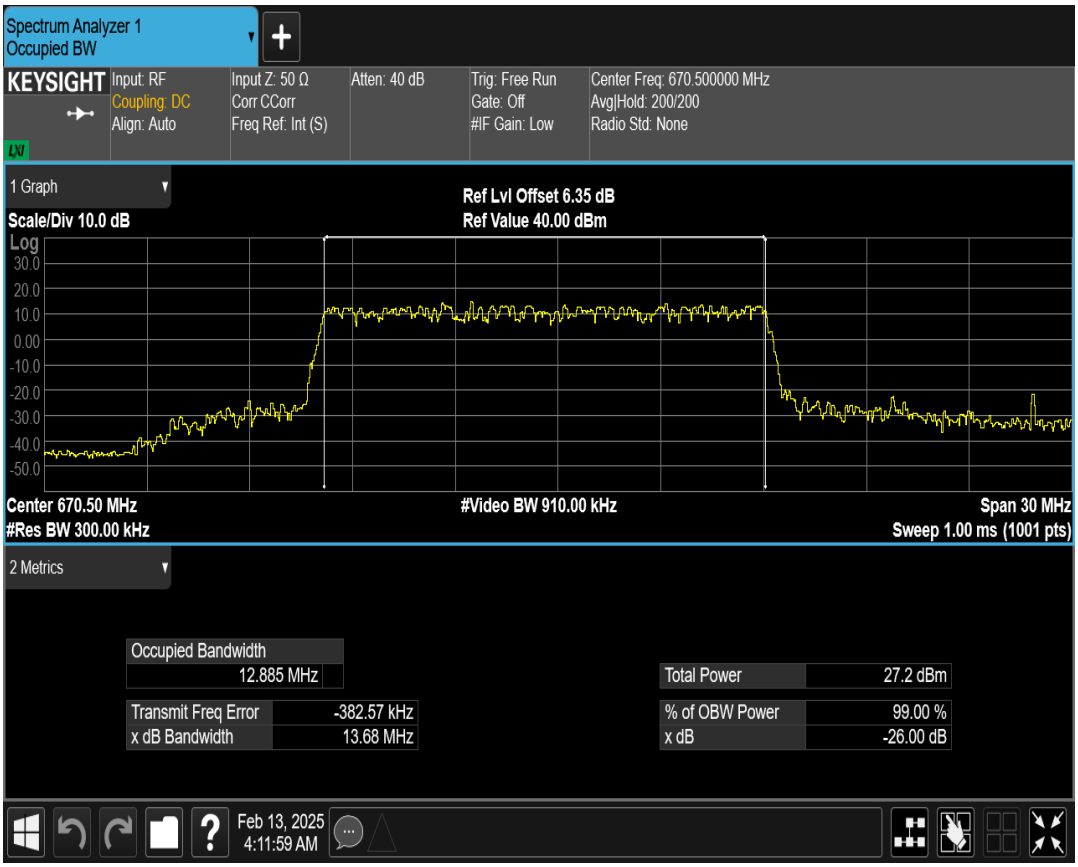
n71 SCS=30kHz DFT_QPSK BW=15MHz Channel=134100 RB=36@0



n71 SCS=30kHz DFT_QAM16 BW=15MHz Channel=134100 RB=36@0



n71 SCS=30kHz DFT_QAM64 BW=15MHz Channel=134100 RB=36@0



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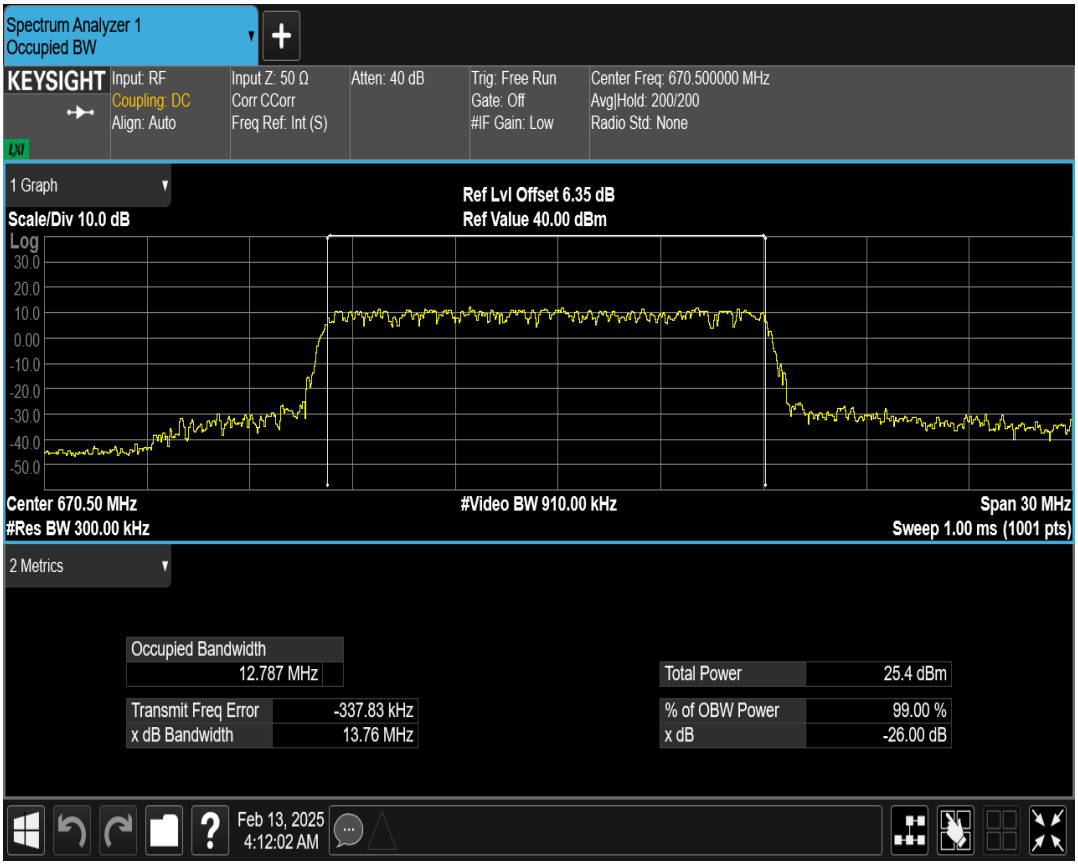
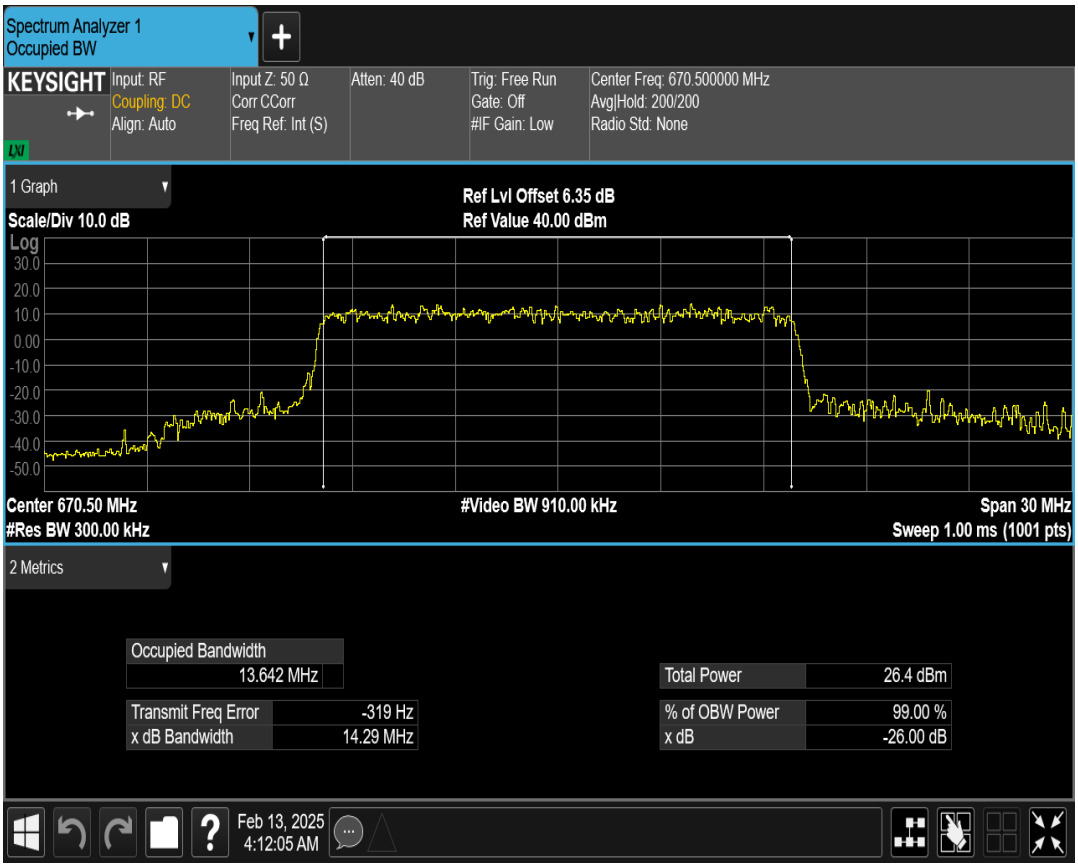
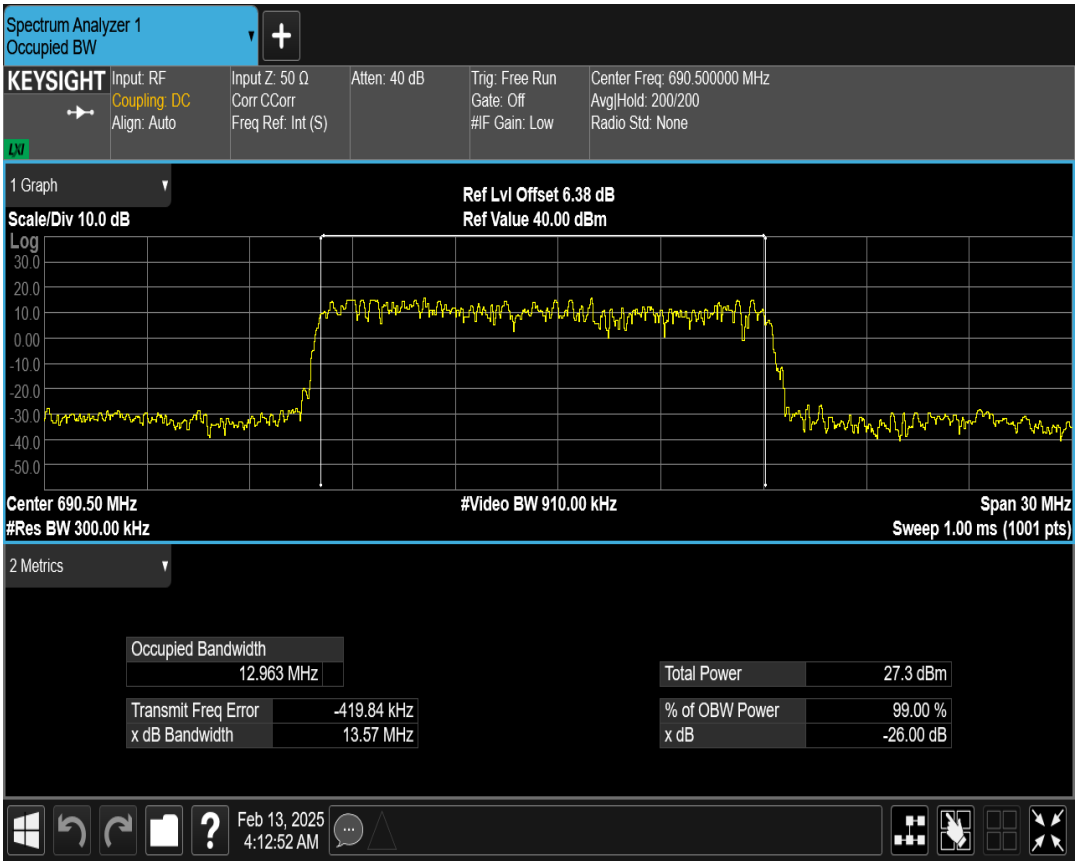


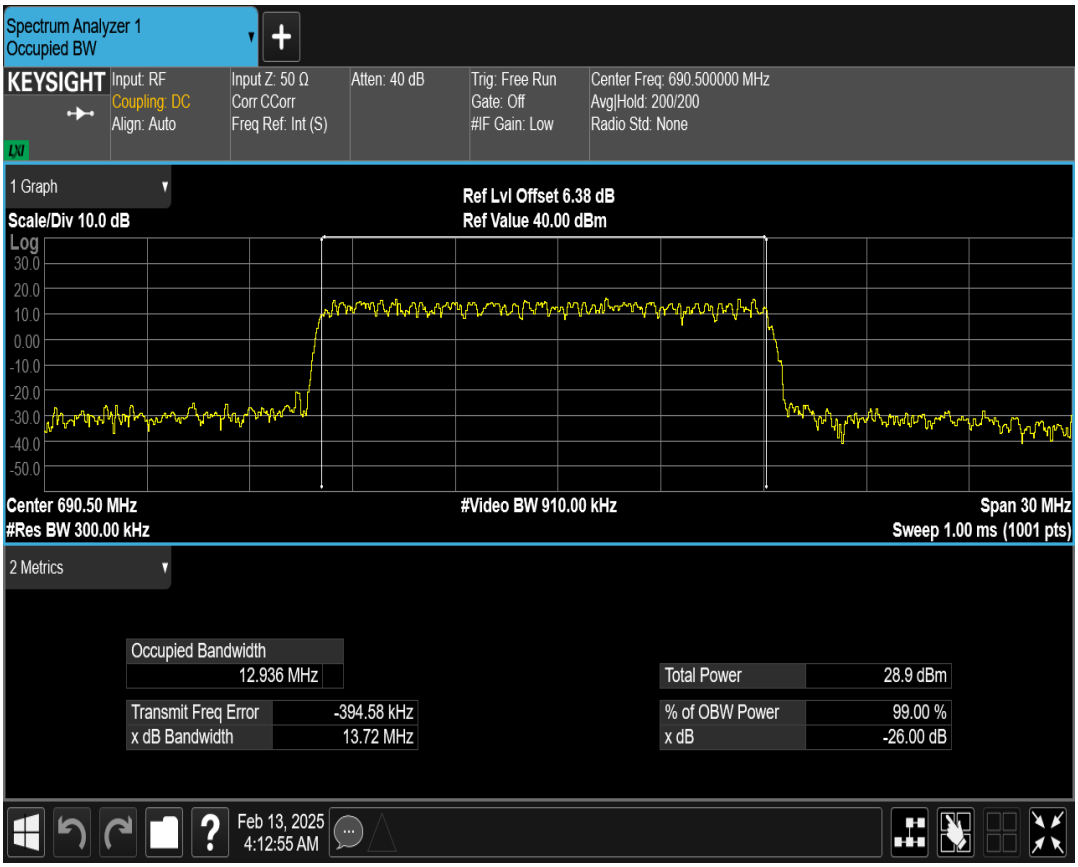
n71 SCS=30kHz CP_QPSK BW=15MHz Channel=134100 RB=38@0



n71 SCS=30kHz DFT_BPSK BW=15MHz Channel=138100 RB=36@0



n71 SCS=30kHz DFT_QPSK BW=15MHz Channel=138100 RB=36@0



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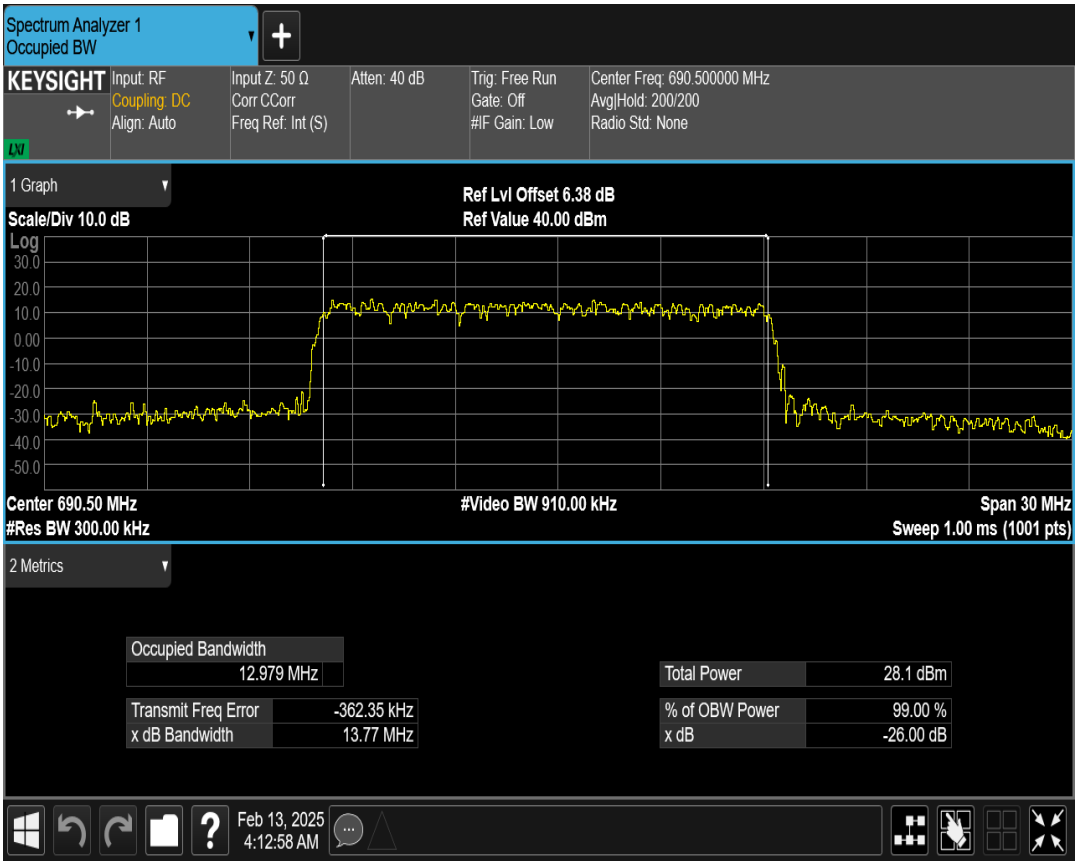

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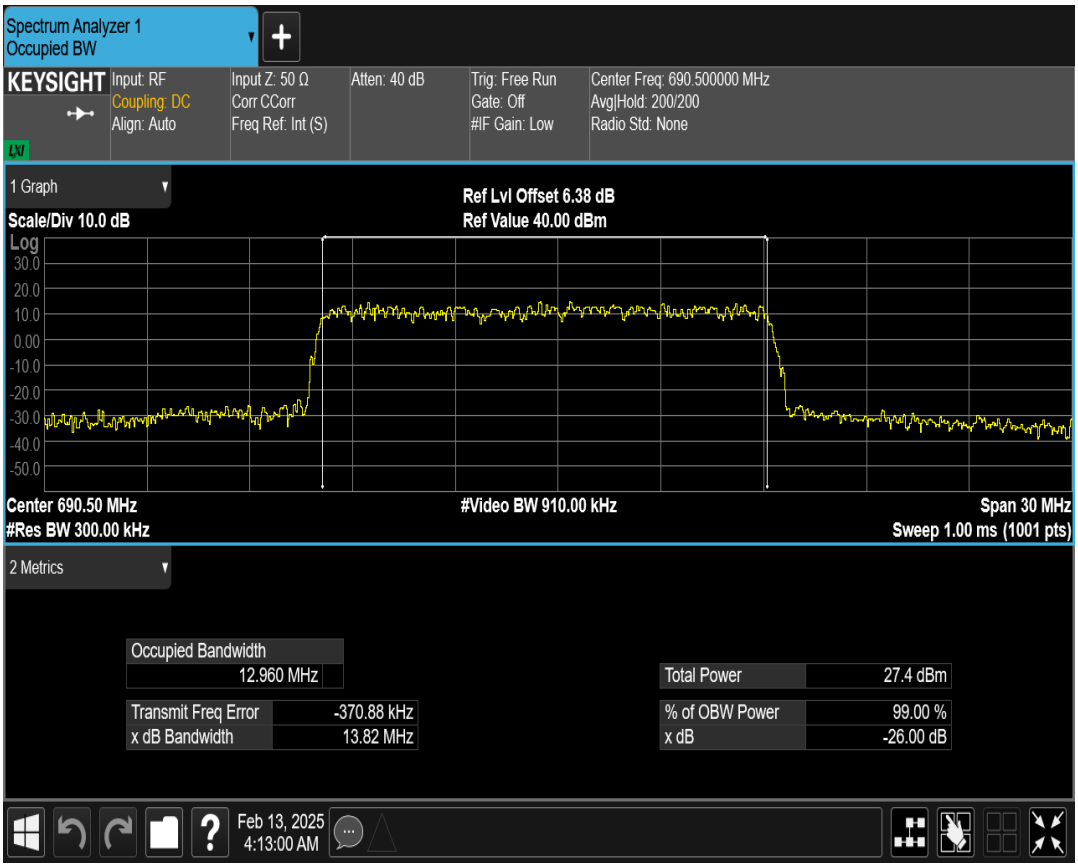

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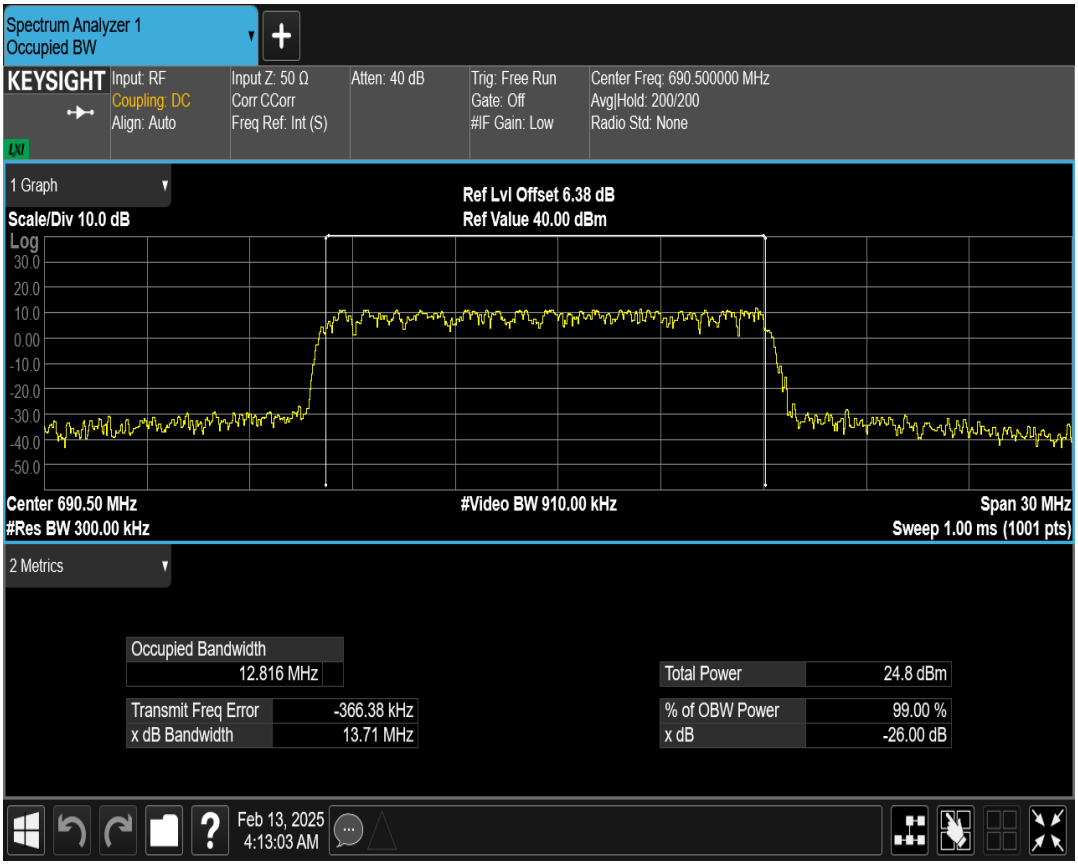
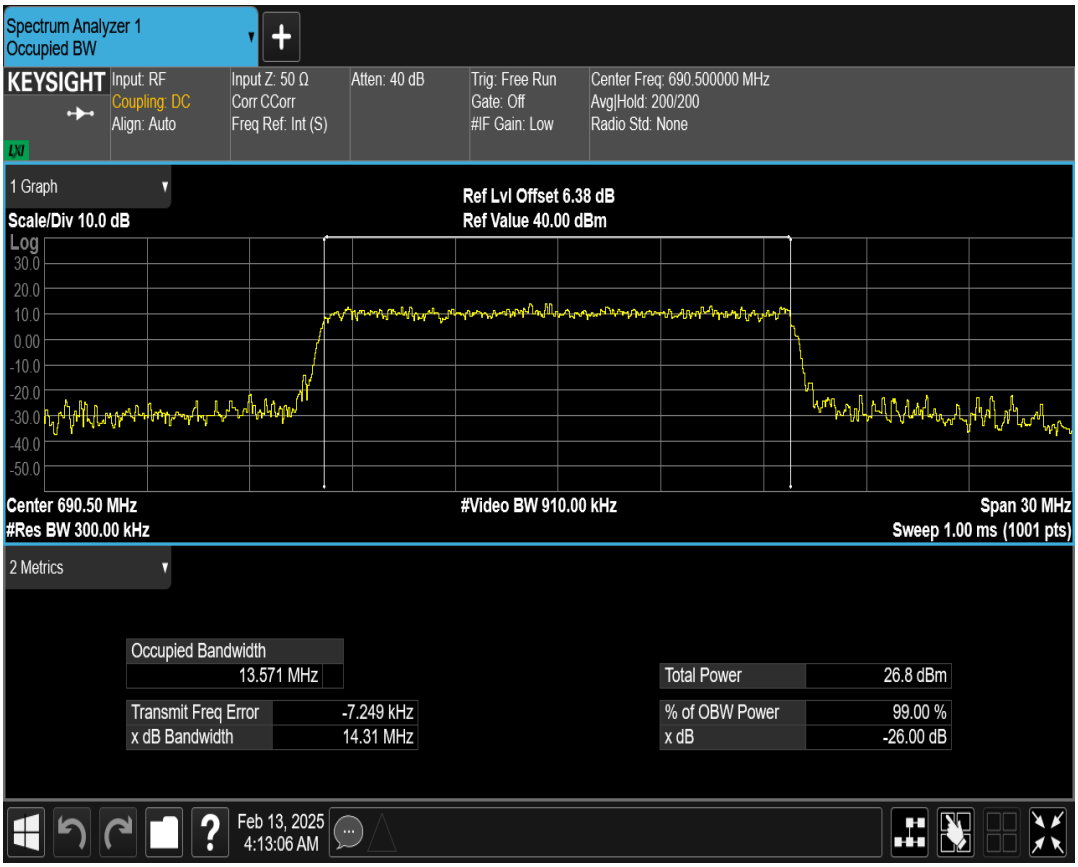
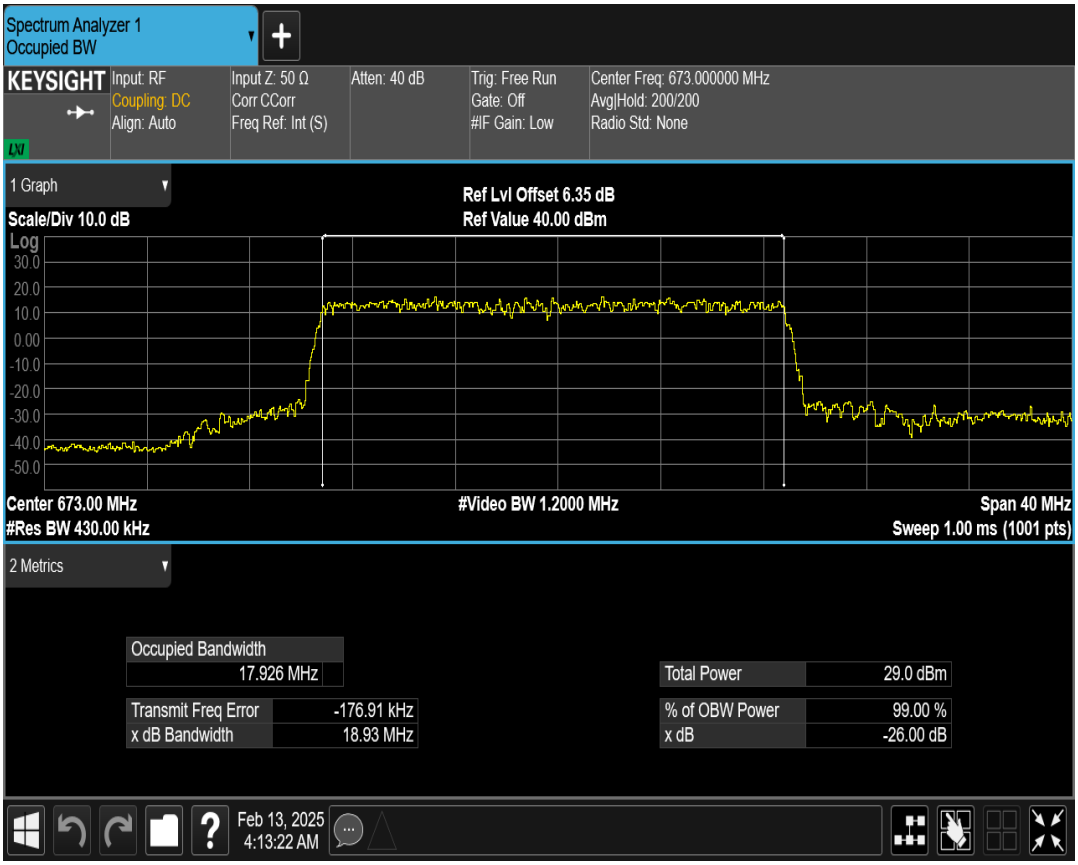


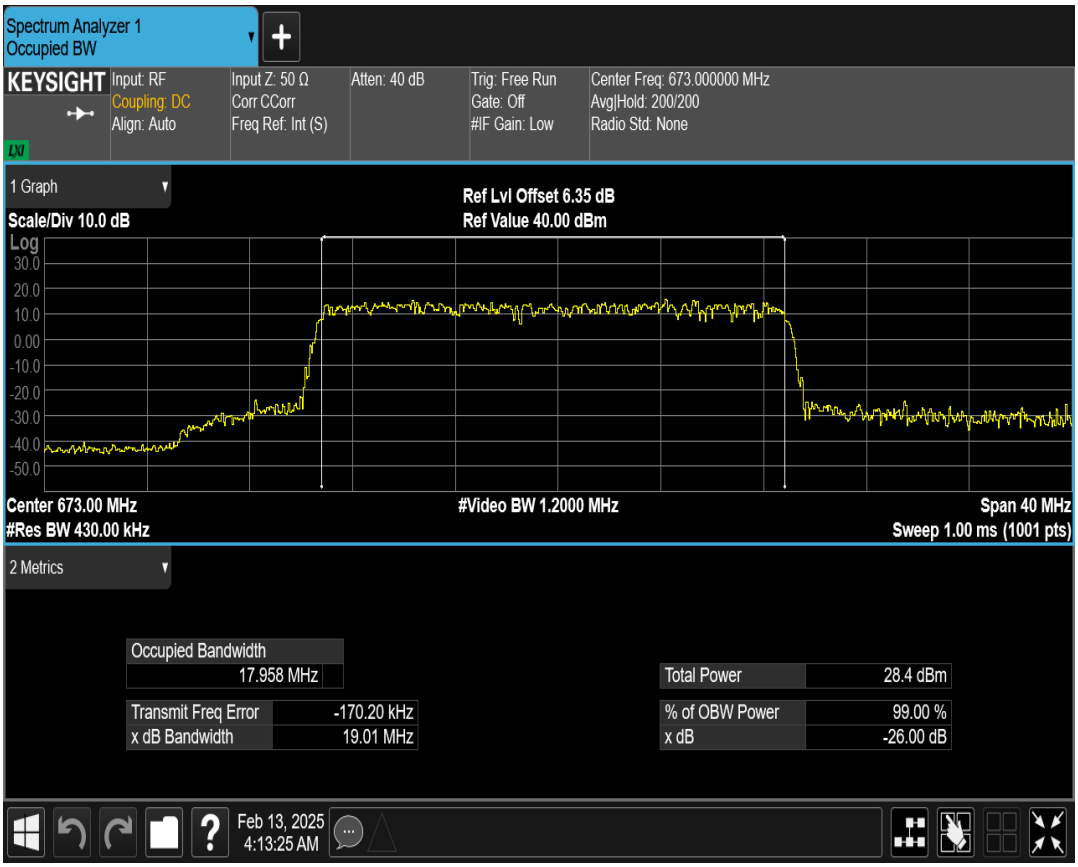
n71 SCS=30kHz CP_QPSK BW=15MHz Channel=138100 RB=38@0



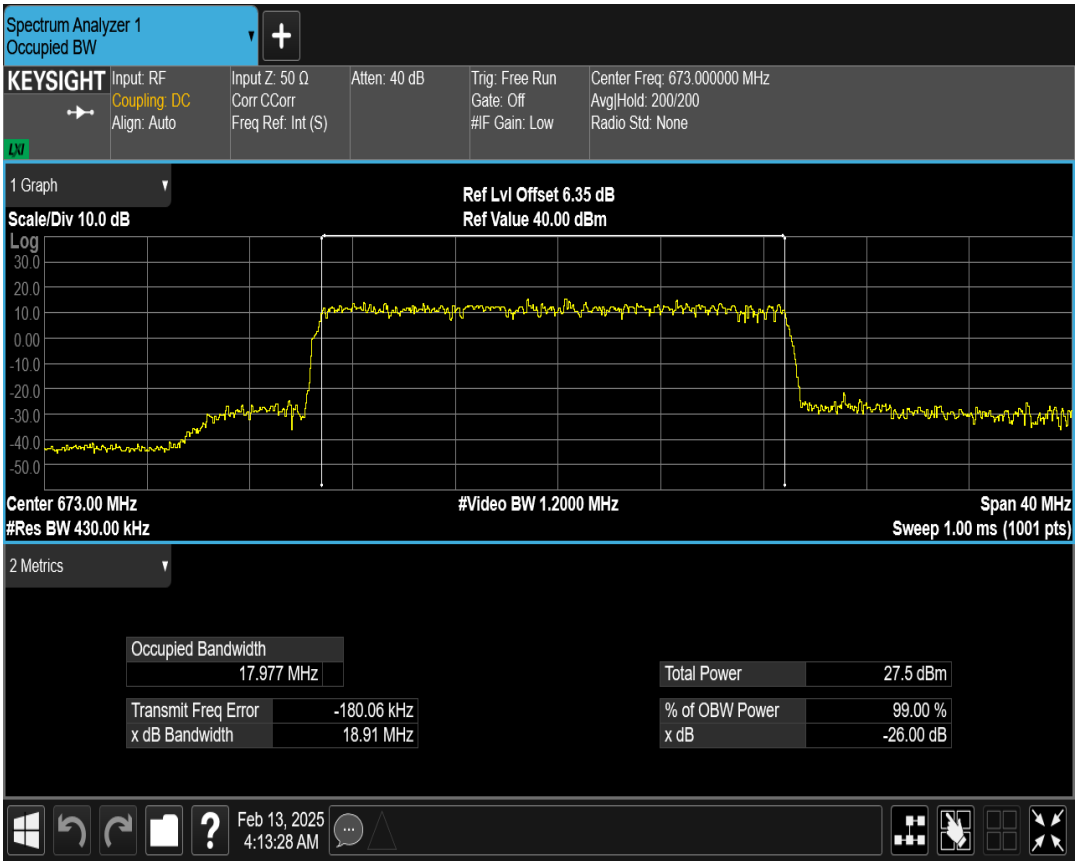
n71 SCS=30kHz DFT_BPSK BW=20MHz Channel=134600 RB=50@0



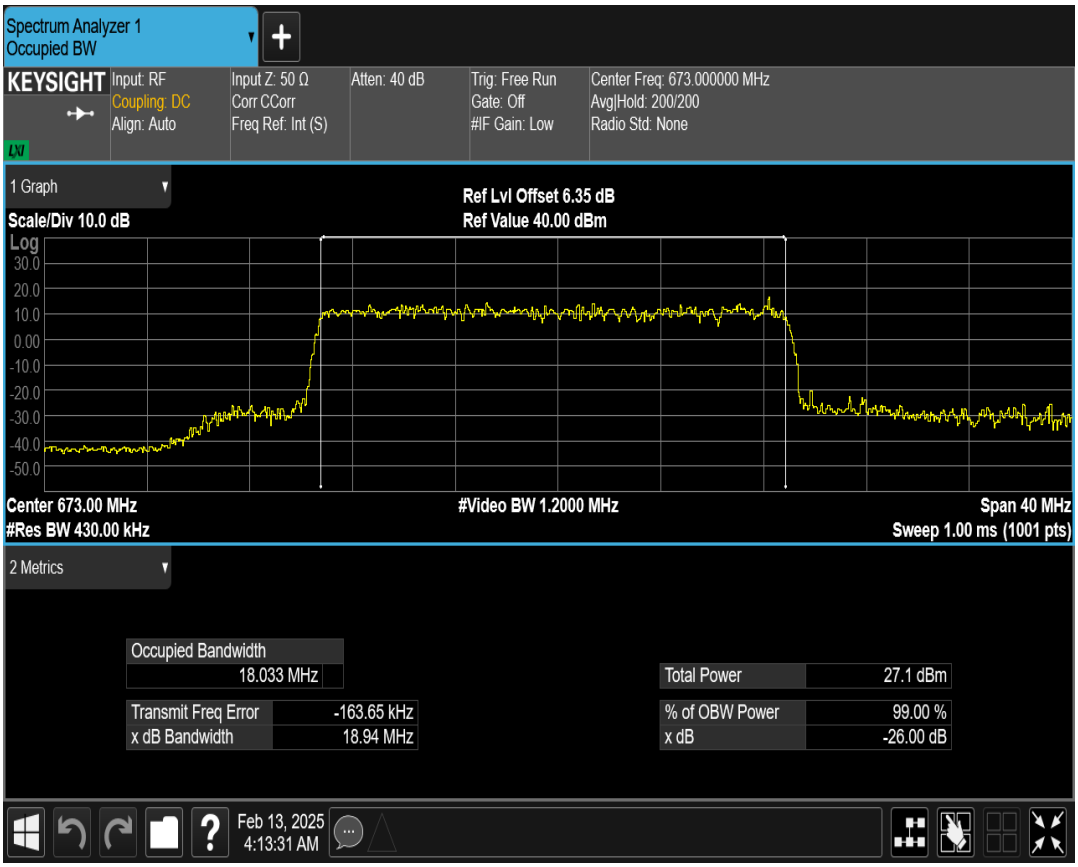
n71 SCS=30kHz DFT_QPSK BW=20MHz Channel=134600 RB=50@0



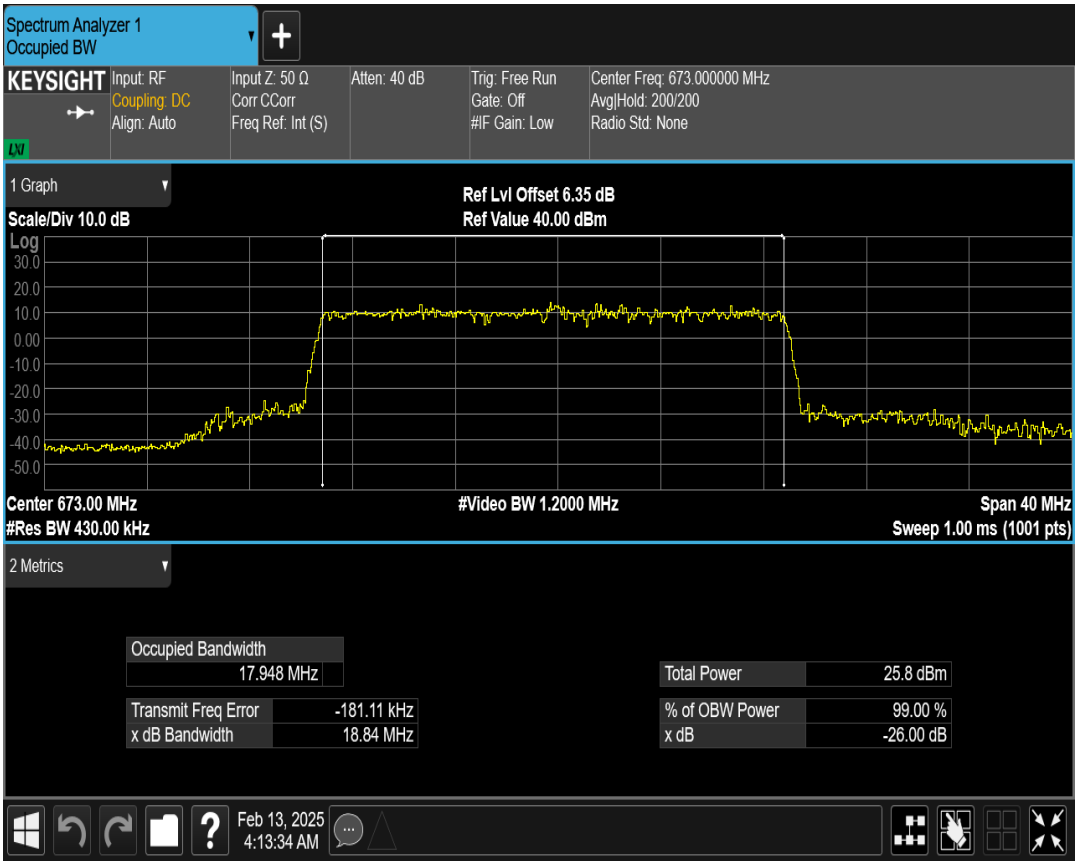
n71 SCS=30kHz DFT_QAM16 BW=20MHz Channel=134600 RB=50@0



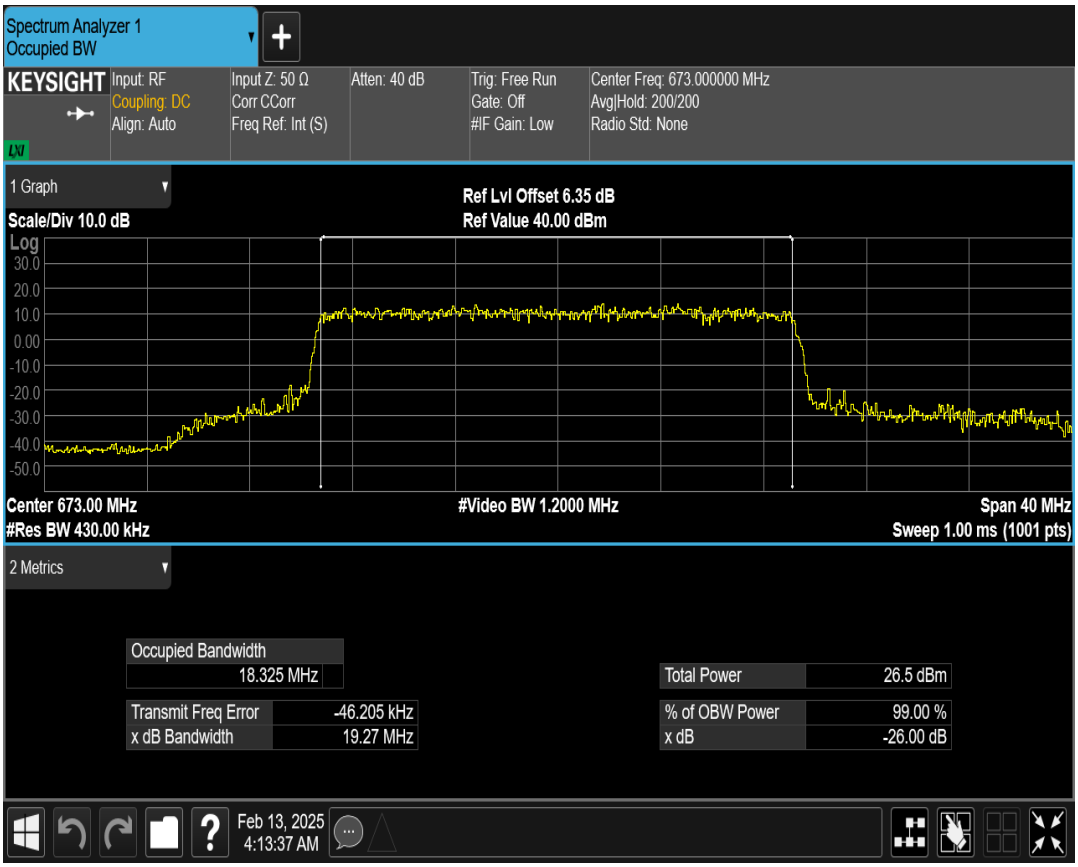
n71 SCS=30kHz DFT_QAM64 BW=20MHz Channel=134600 RB=50@0



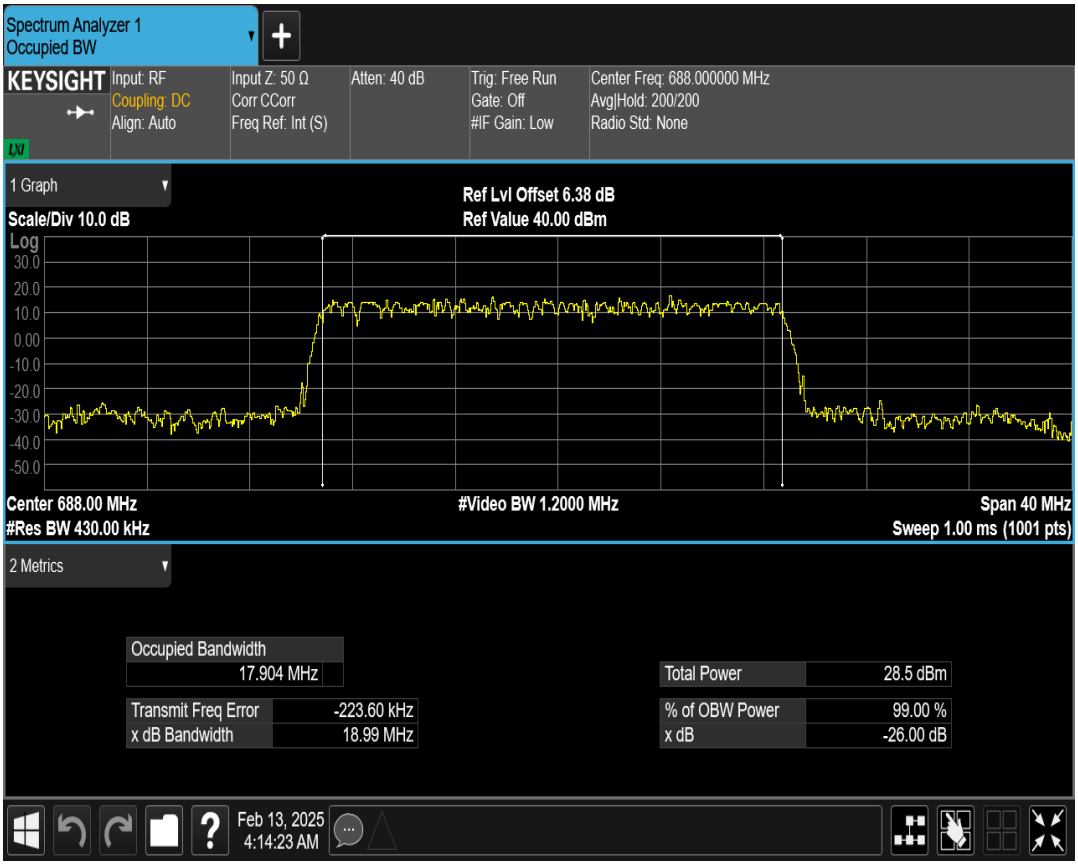
n71 SCS=30kHz DFT_QAM256 BW=20MHz Channel=134600 RB=50@0



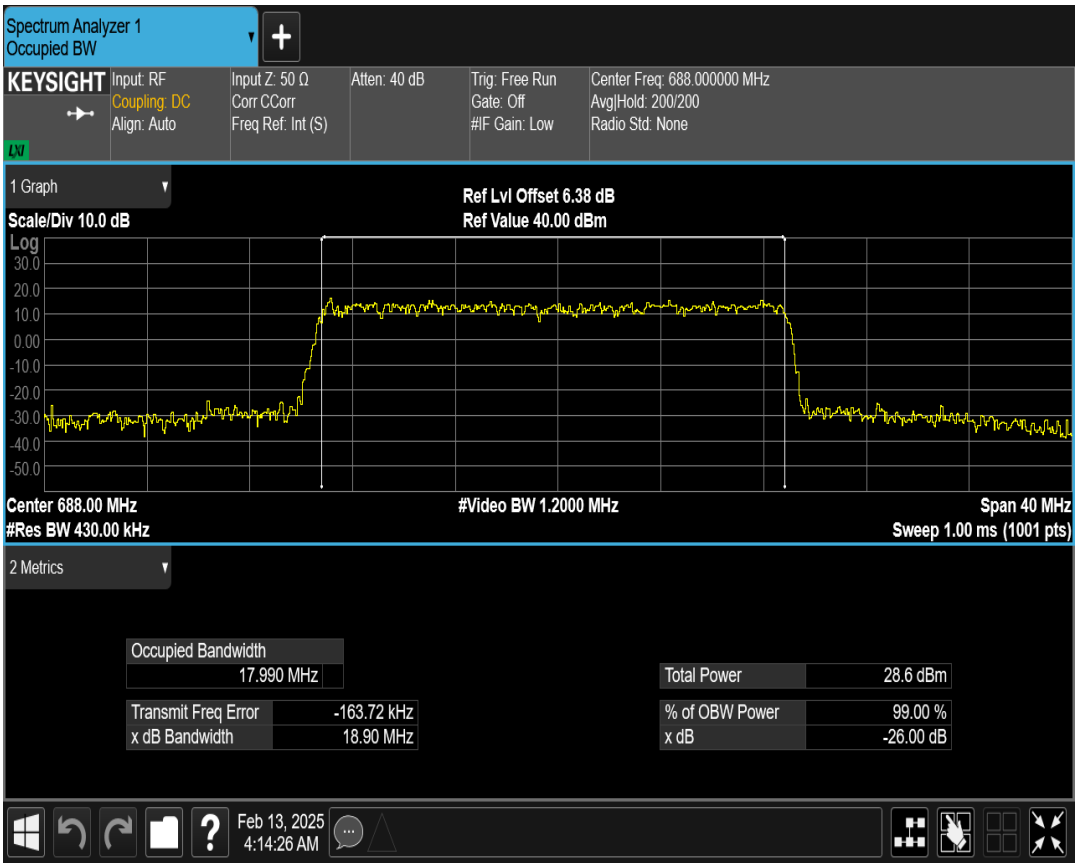
n71 SCS=30kHz CP_QPSK BW=20MHz Channel=134600 RB=51@0



n71 SCS=30kHz DFT_BPSK BW=20MHz Channel=137600 RB=50@0



n71 SCS=30kHz DFT_QPSK BW=20MHz Channel=137600 RB=50@0



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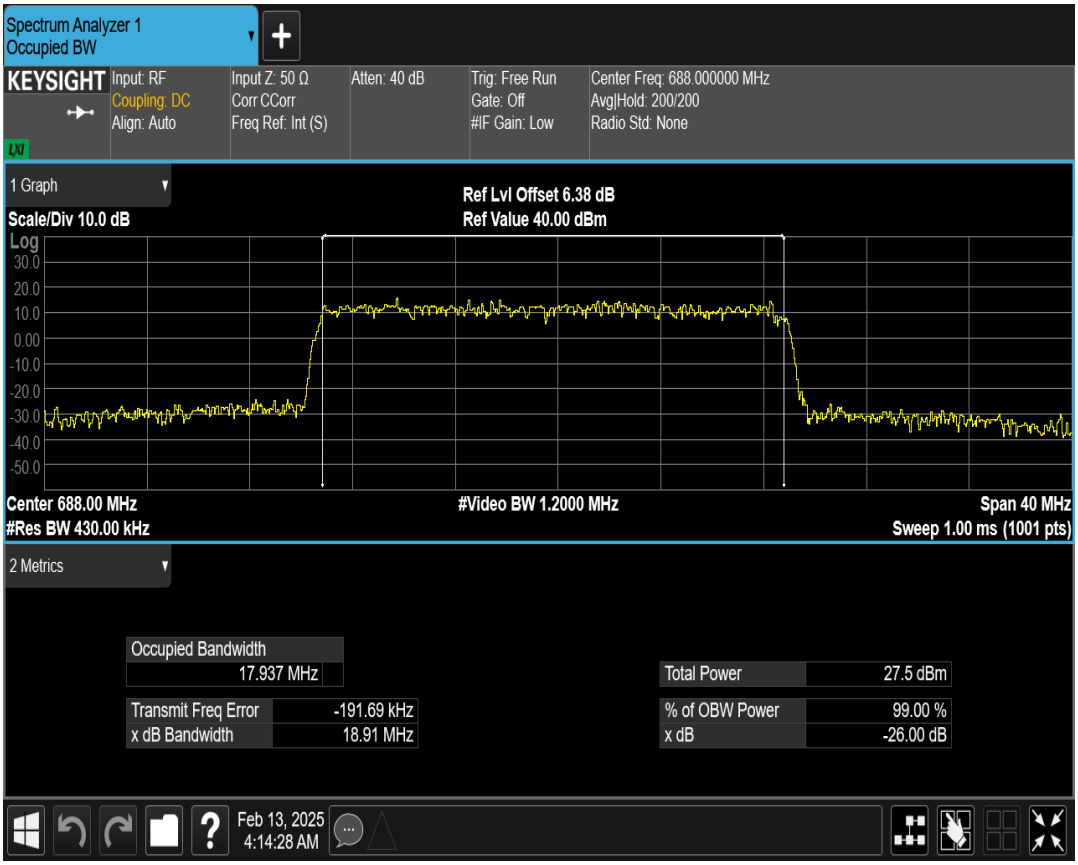
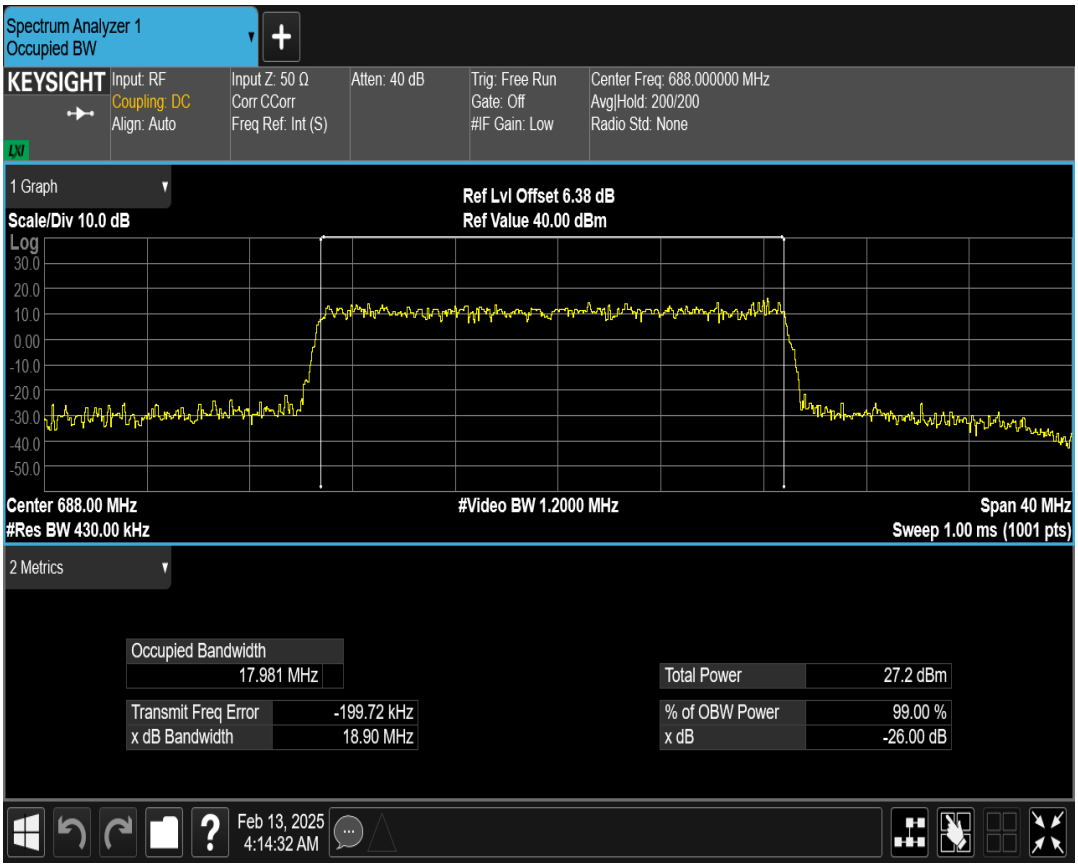
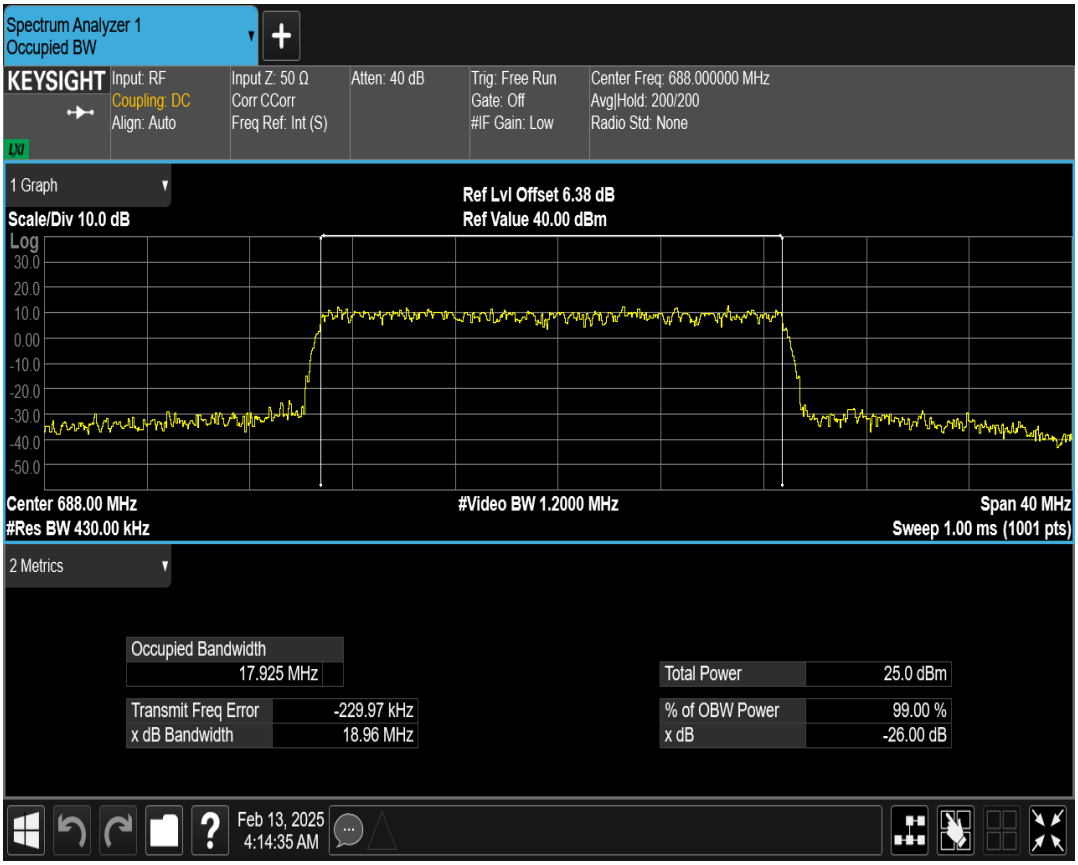


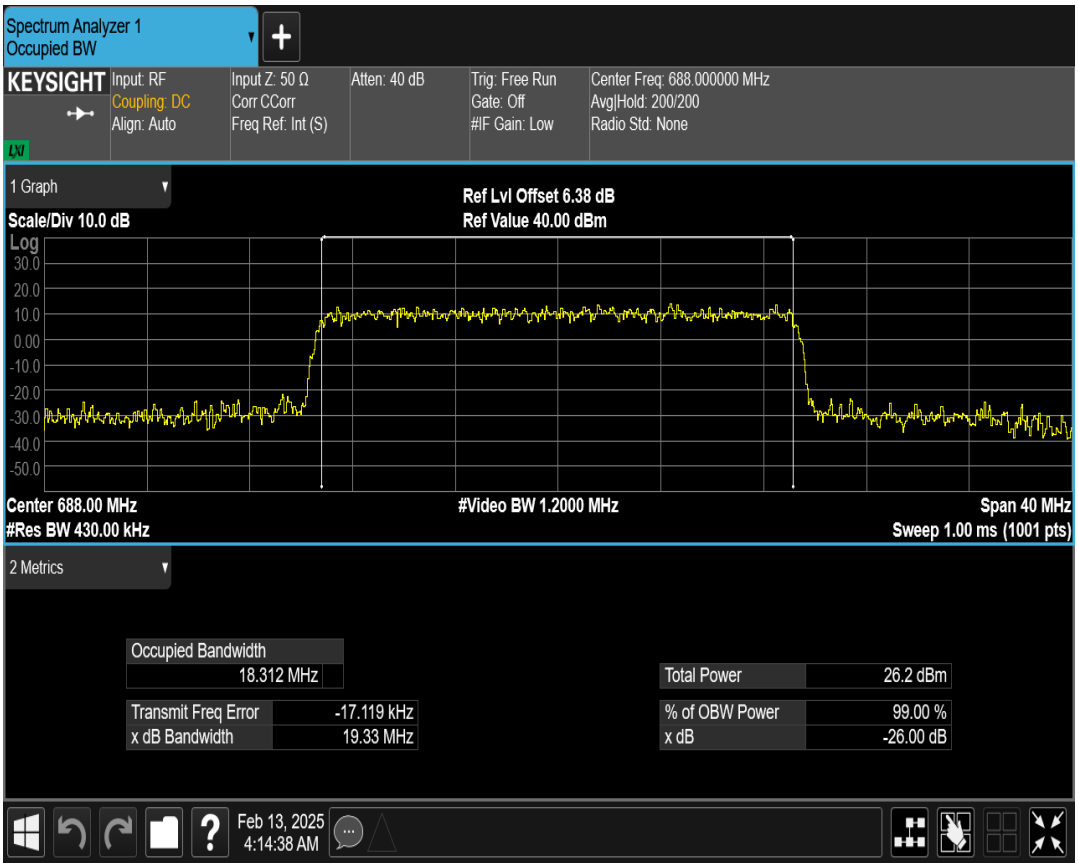
n71 SCS=30kHz DFT_QAM64 BW=20MHz Channel=137600 RB=50@0



n71 SCS=30kHz DFT_QAM256 BW=20MHz Channel=137600 RB=50@0



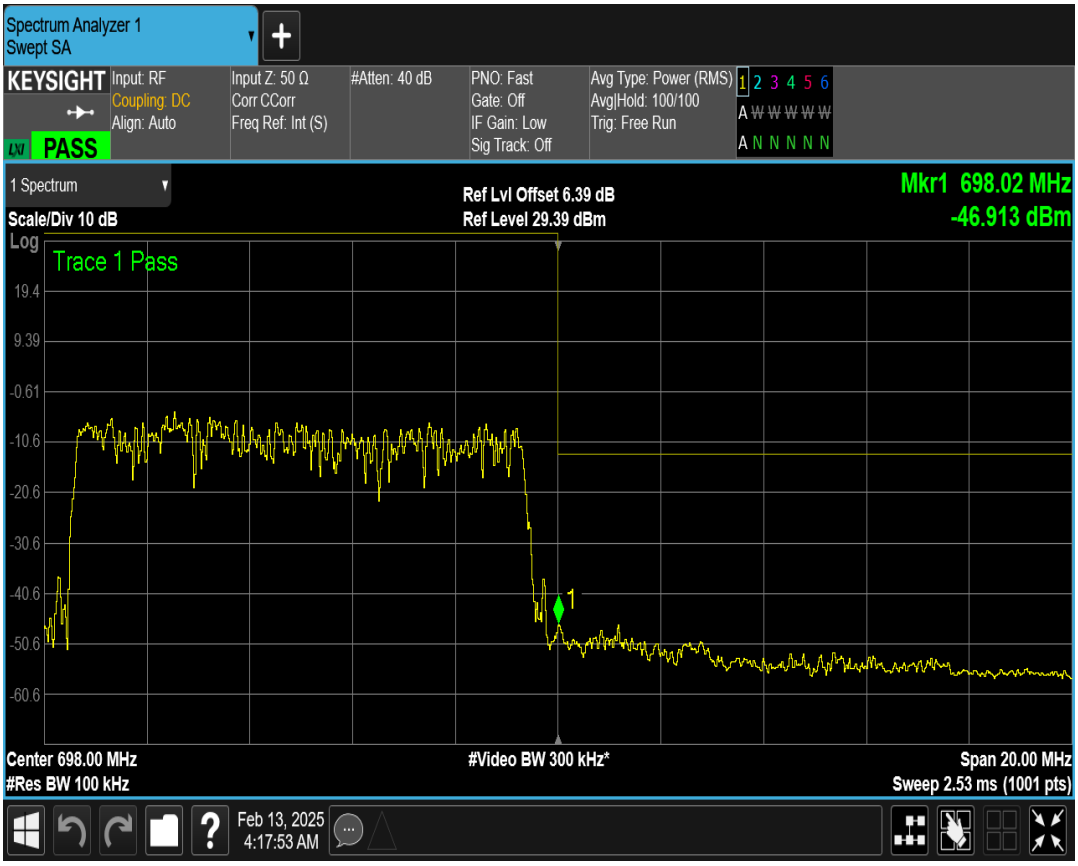
n71 SCS=30kHz CP_QPSK BW=20MHz Channel=137600 RB=51@0



5 Band edge for NR FR1

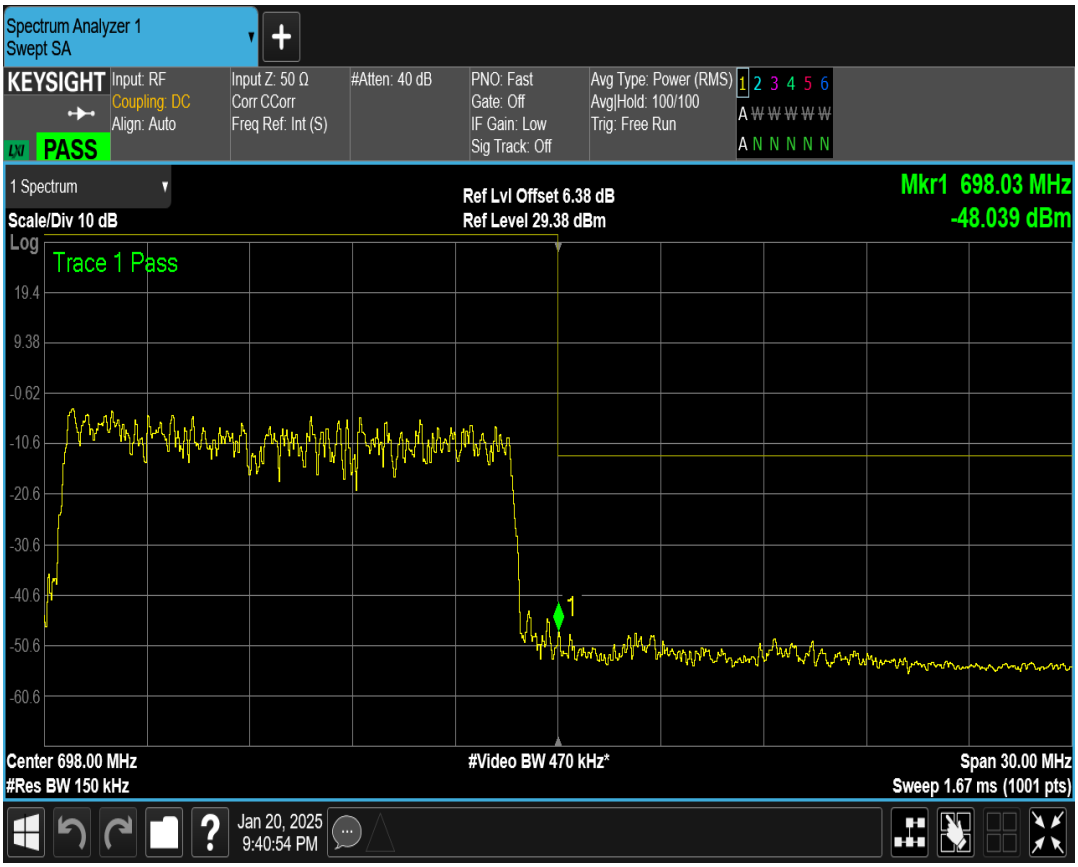
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n71	30	10	133600	24@0	DFT_QPSK	661.86	-46.12	-13	PASS
n71	30	10	133600	1@0	DFT_QPSK	661.22	-42.90	-13	PASS
n71	30	10	138600	24@0	DFT_QPSK	698.02	-46.91	-13	PASS
n71	30	10	138600	1@23	DFT_QPSK	698.10	-37.19	-13	PASS
n71	30	20	134600	50@0	DFT_QPSK	661.28	-46.67	-13	PASS
n71	30	20	134600	1@0	DFT_QPSK	662.72	-36.76	-13	PASS
n71	30	20	137600	50@0	DFT_QPSK	700.20	-46.74	-13	PASS
n71	30	20	137600	1@50	DFT_QPSK	698.04	-43.09	-13	PASS

n71 SCS=30kHz DFT_QPSK BW=10MHz Channel=138600 RB=24@0



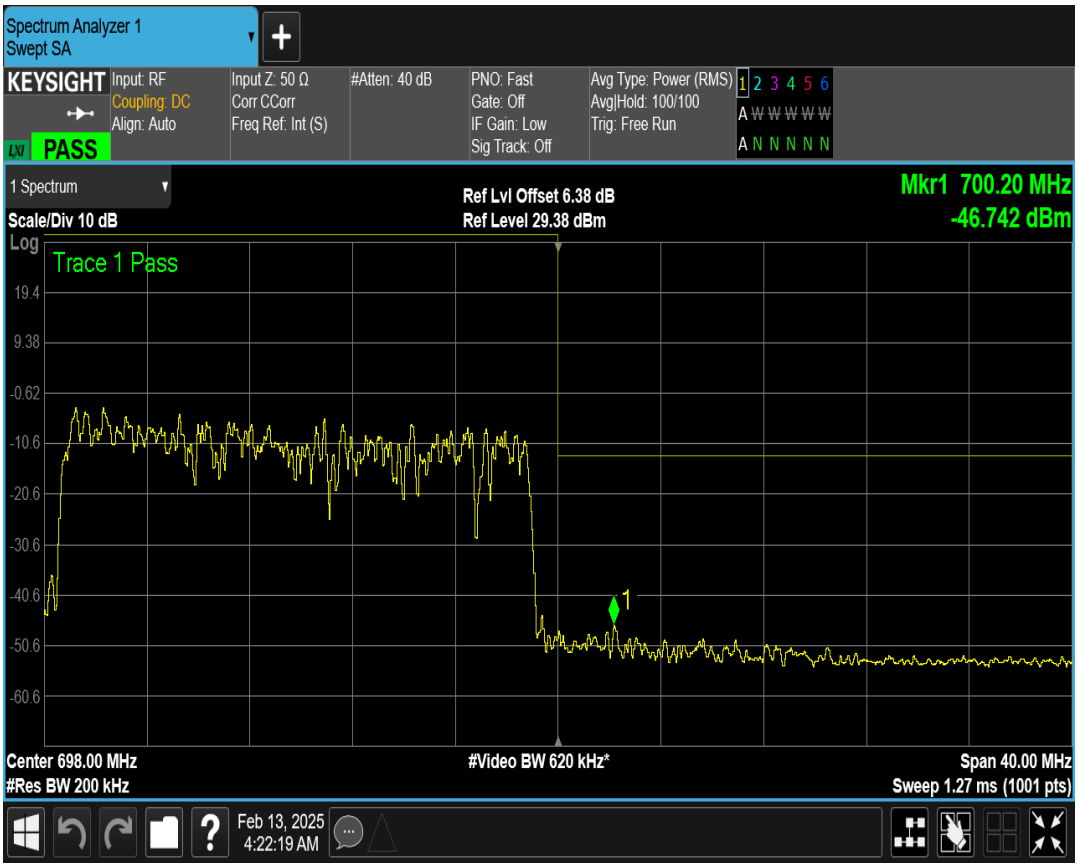
n71 SCS=30kHz DFT_QPSK BW=10MHz Channel=138600 RB=1@23

n71 SCS=30kHz DFT_QPSK BW=15MHz Channel=138100 RB=36@0



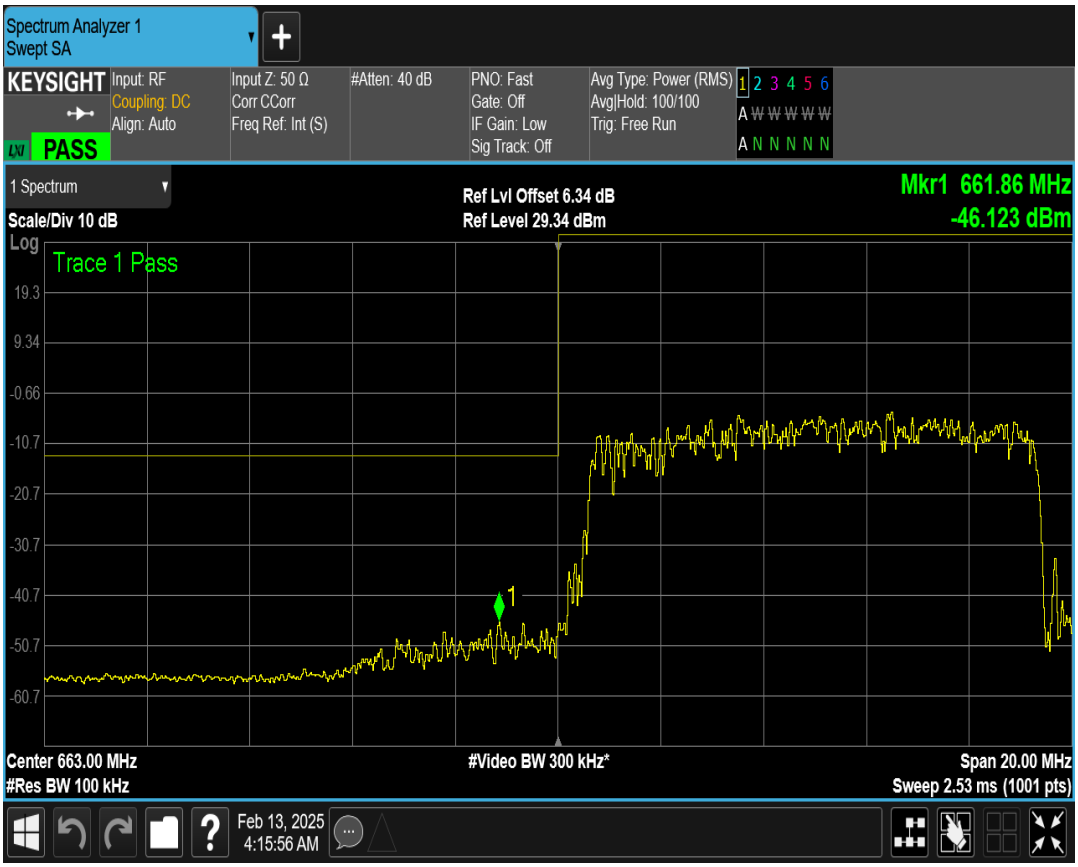
n71 SCS=30kHz DFT_QPSK BW=15MHz Channel=138100 RB=1@37

n71 SCS=30kHz DFT_QPSK BW=20MHz Channel=137600 RB=50@0

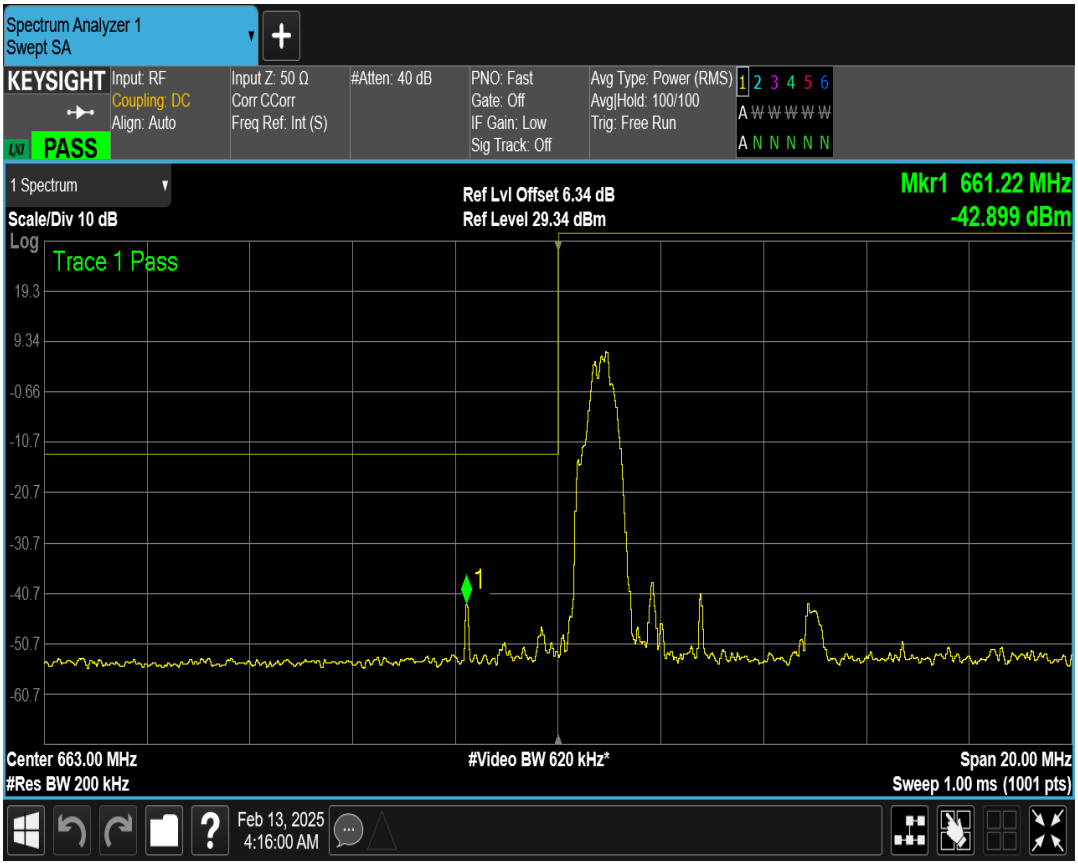


n71 SCS=30kHz DFT_QPSK BW=20MHz Channel=137600 RB=1@50

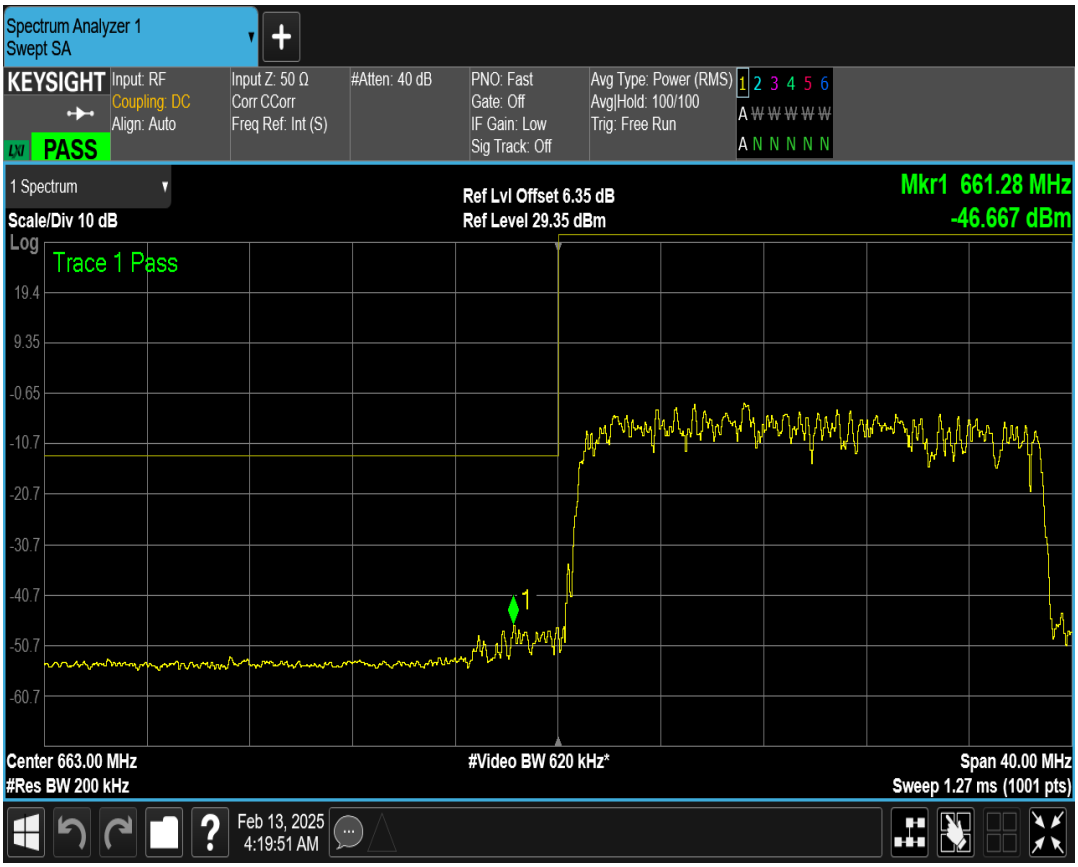
n71 SCS=30kHz DFT_QPSK BW=10MHz Channel=133600 RB=24@0



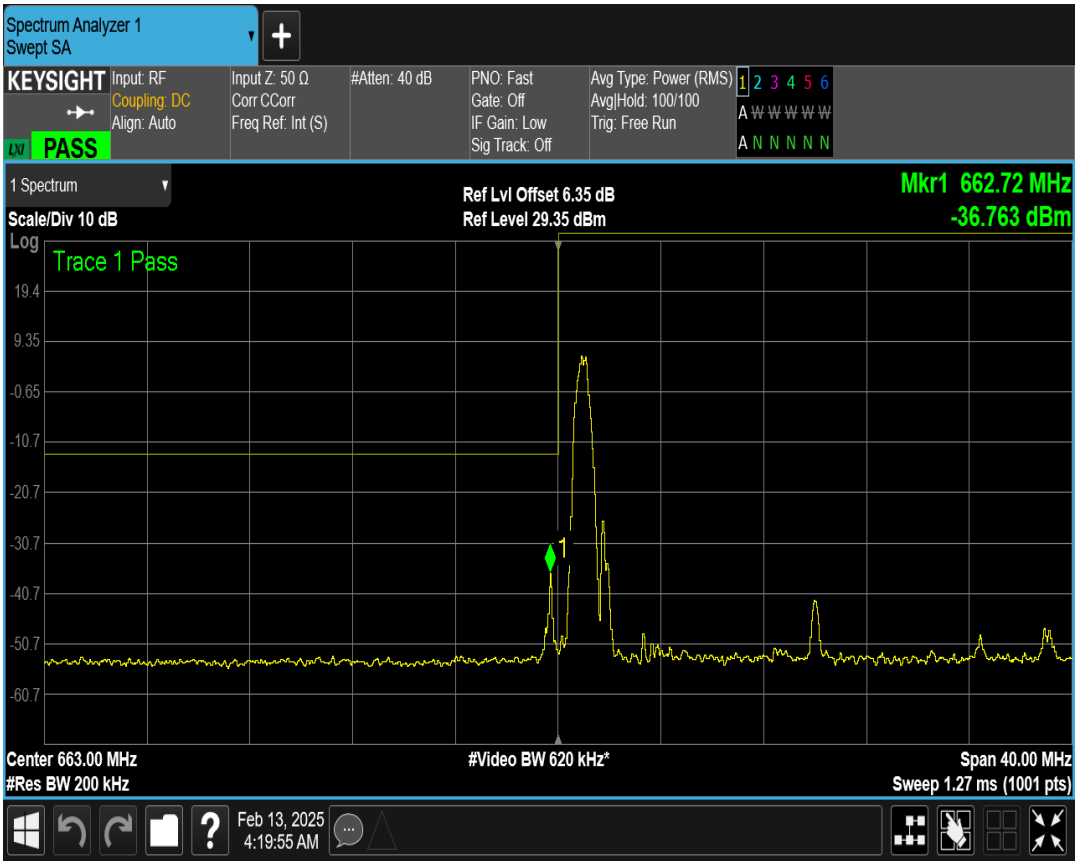
n71 SCS=30kHz DFT_QPSK BW=10MHz Channel=133600 RB=1@0



n71 SCS=30kHz DFT_QPSK BW=20MHz Channel=134600 RB=50@0



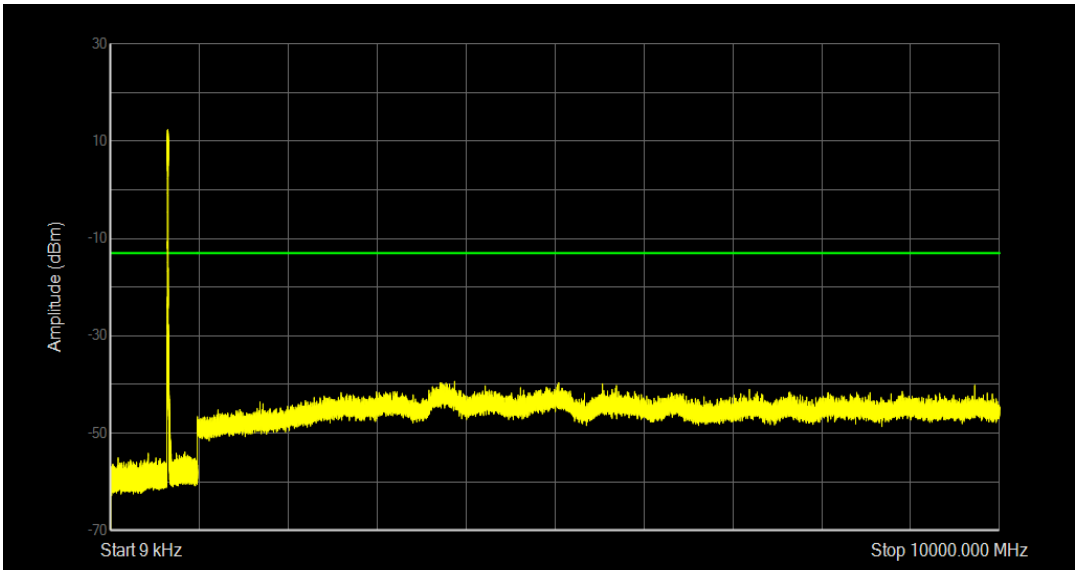
n71 SCS=30kHz DFT_QPSK BW=20MHz Channel=134600 RB=1@0



6 Out-of-band emissions for NR FR1

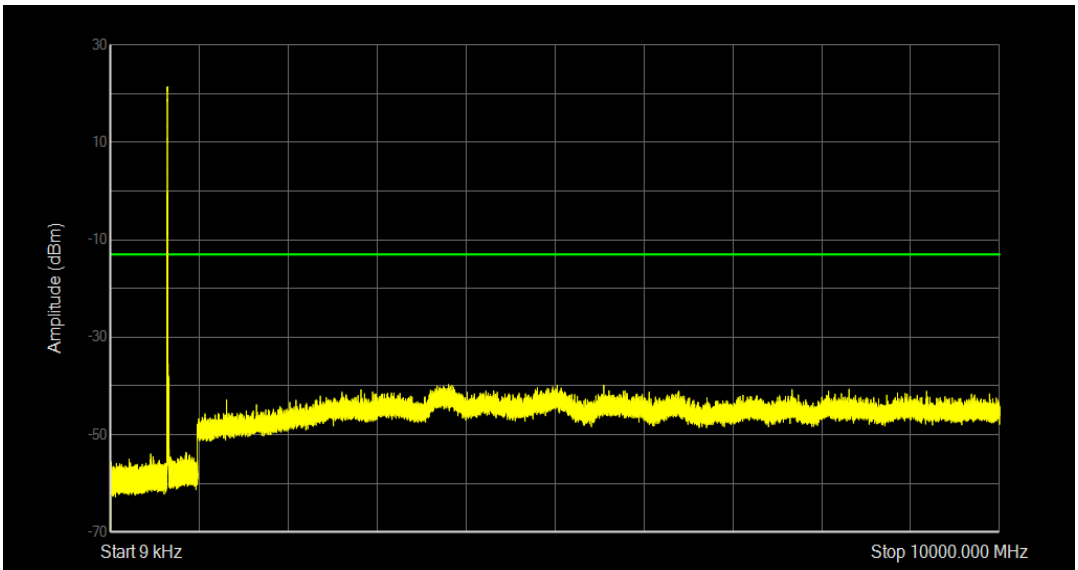
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n71	30	10	133600	24@0	DFT_QPSK	3886.30	-39.35	-13	PASS
n71	30	10	133600	1@0	DFT_QPSK	3818.80	-39.72	-13	PASS
n71	30	10	133600	1@23	DFT_QPSK	3703.83	-38.98	-13	PASS
n71	30	10	138600	24@0	DFT_QPSK	3767.73	-38.86	-13	PASS
n71	30	10	138600	1@0	DFT_QPSK	4907.58	-38.77	-13	PASS
n71	30	10	138600	1@23	DFT_QPSK	3735.10	-38.21	-13	PASS
n71	30	15	134100	36@0	DFT_QPSK	3771.55	-39.23	-13	PASS
n71	30	15	134100	1@0	DFT_QPSK	3734.20	-39.50	-13	PASS
n71	30	15	134100	1@37	DFT_QPSK	3779.65	-39.30	-13	PASS
n71	30	15	138100	36@0	DFT_QPSK	3817.00	-39.69	-13	PASS
n71	30	15	138100	1@0	DFT_QPSK	3794.50	-39.03	-13	PASS
n71	30	15	138100	1@37	DFT_QPSK	3822.40	-38.89	-13	PASS
n71	30	20	134600	50@0	DFT_QPSK	3846.03	-38.00	-13	PASS
n71	30	20	134600	1@0	DFT_QPSK	3721.83	-38.94	-13	PASS
n71	30	20	134600	1@50	DFT_QPSK	3855.70	-38.97	-13	PASS
n71	30	20	137600	50@0	DFT_QPSK	3791.35	-39.58	-13	PASS
n71	30	20	137600	1@0	DFT_QPSK	1358.43	-39.16	-13	PASS
n71	30	20	137600	1@50	DFT_QPSK	5002.08	-39.00	-13	PASS

n71 SCS=30kHz DFT_QPSK BW=10MHz Channel=133600 RB=24@0



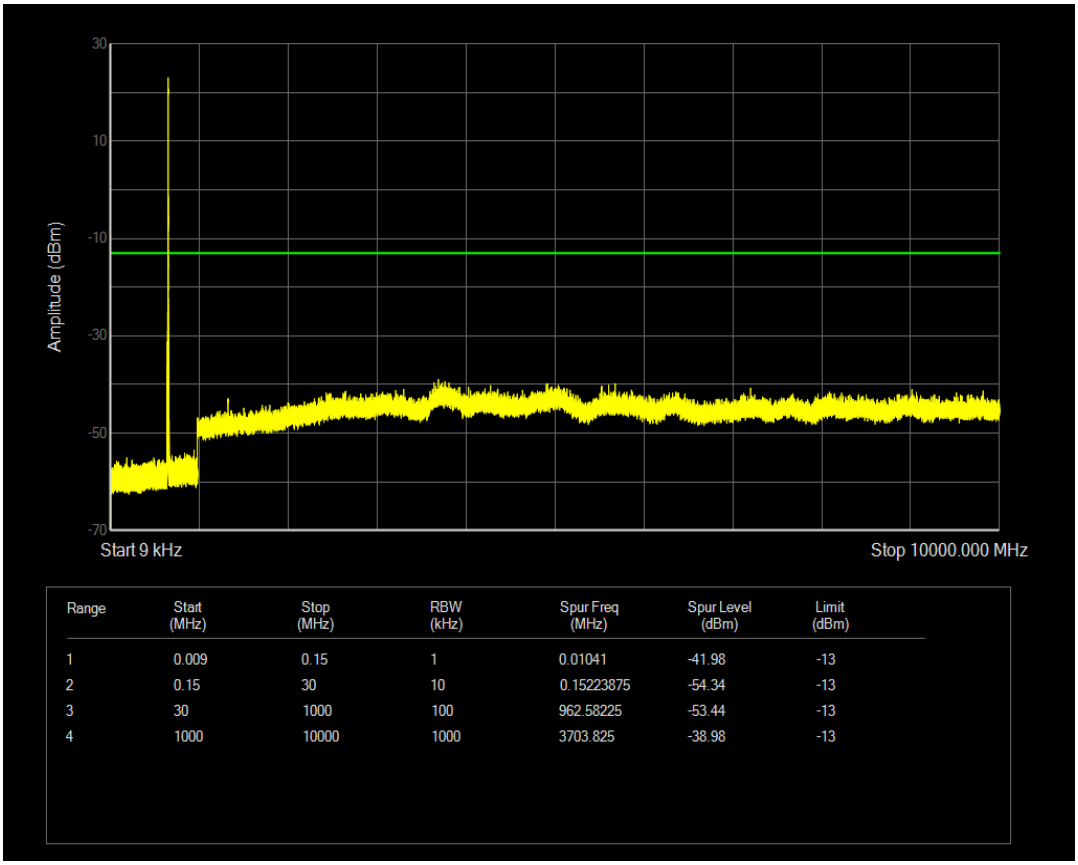
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.015299175	-43.09	-13
2	0.15	30	10	0.16268625	-55.2	-13
3	30	1000	100	859.6895	-53.87	-13
4	1000	10000	1000	3886.3	-39.35	-13

n71 SCS=30kHz DFT_QPSK BW=10MHz Channel=133600 RB=1@0



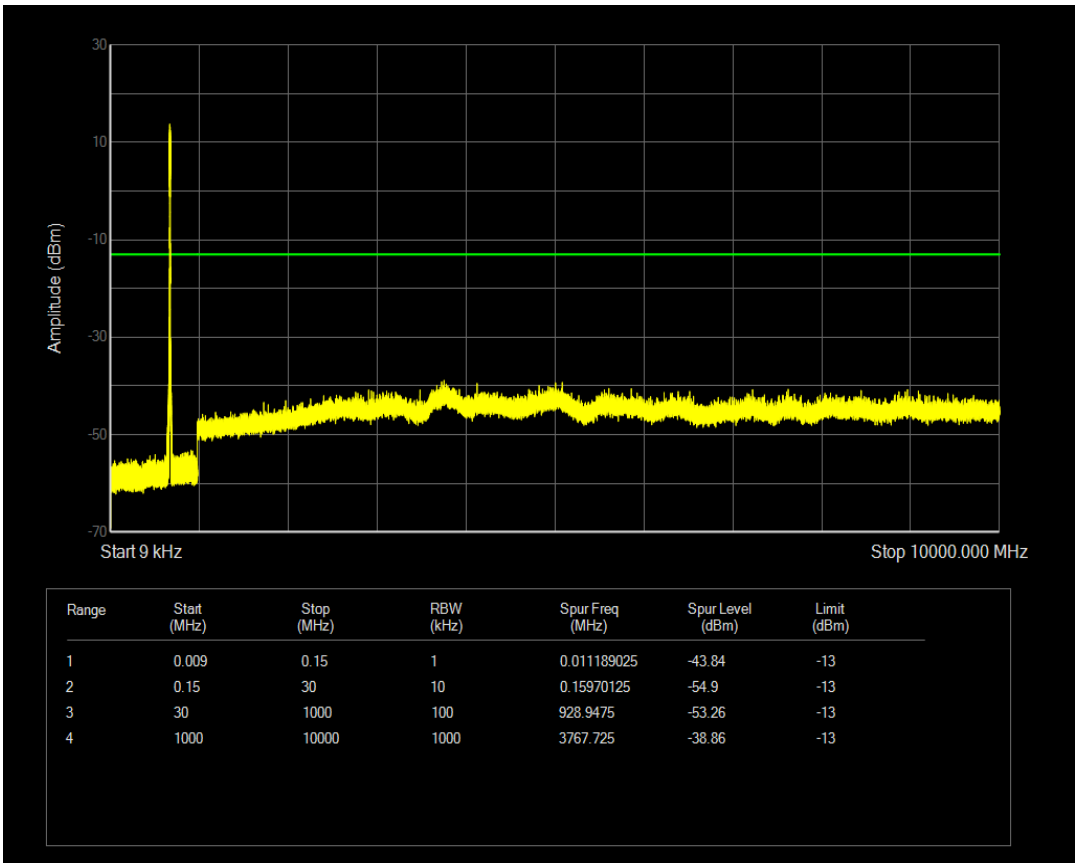
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014699925	-43.97	-13
2	0.15	30	10	0.16268625	-54.24	-13
3	30	1000	100	872.9785	-53.65	-13
4	1000	10000	1000	3818.8	-39.72	-13

n71 SCS=30kHz DFT_QPSK BW=10MHz Channel=133600 RB=1@23



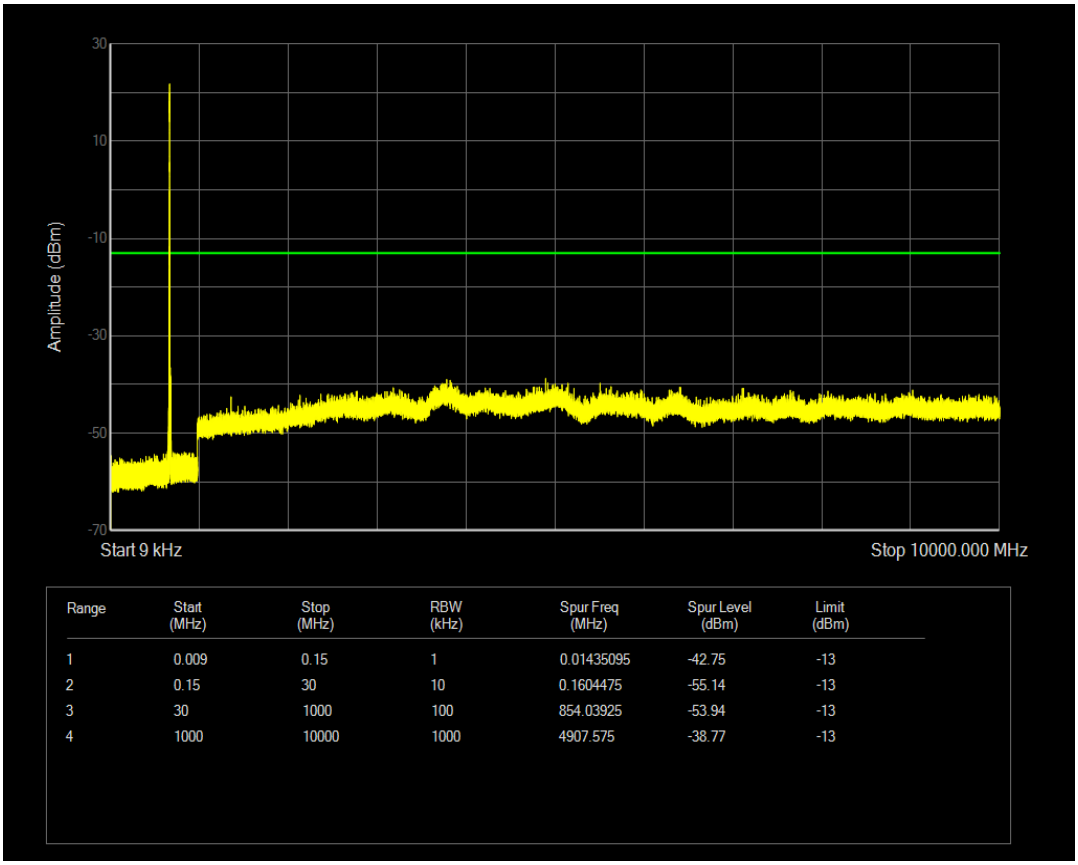
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01041	-41.98	-13
2	0.15	30	10	0.15223875	-54.34	-13
3	30	1000	100	962.58225	-53.44	-13
4	1000	10000	1000	3703.825	-38.98	-13

n71 SCS=30kHz DFT_QPSK BW=10MHz Channel=138600 RB=24@0



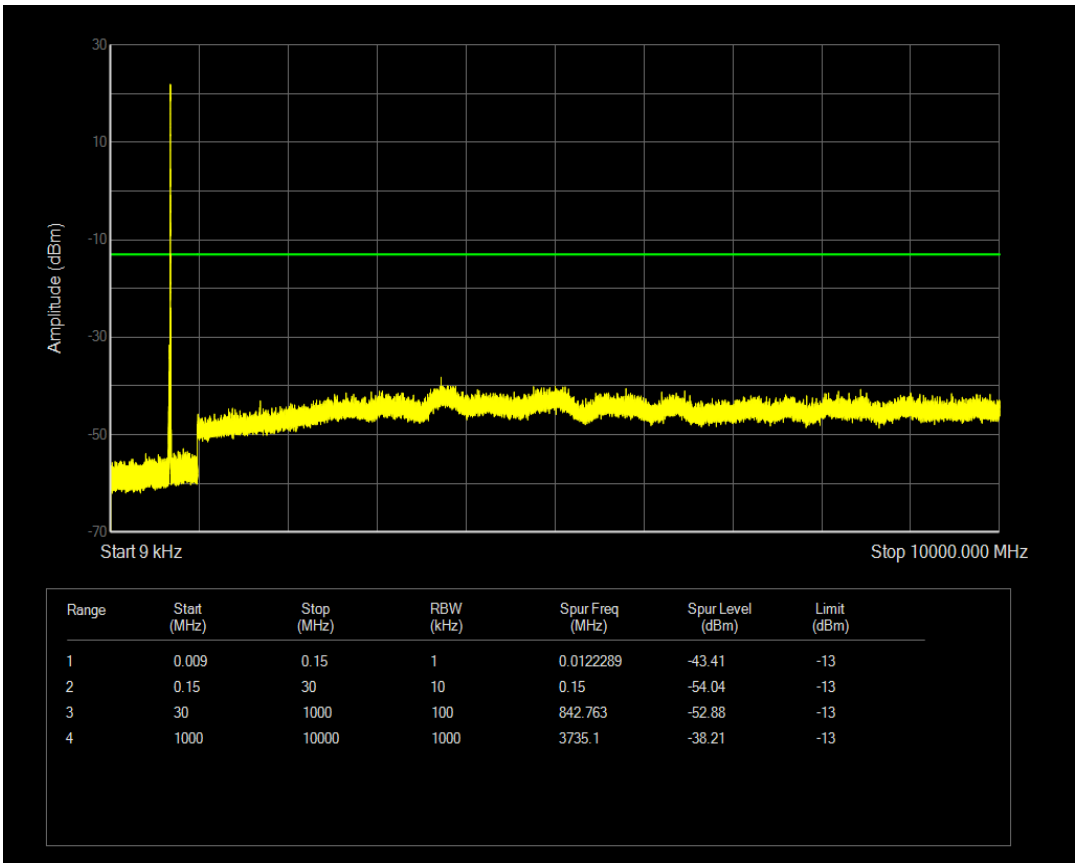
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011189025	-43.84	-13
2	0.15	30	10	0.15970125	-54.9	-13
3	30	1000	100	928.9475	-53.26	-13
4	1000	10000	1000	3767.725	-38.86	-13

n71 SCS=30kHz DFT_QPSK BW=10MHz Channel=138600 RB=1@0



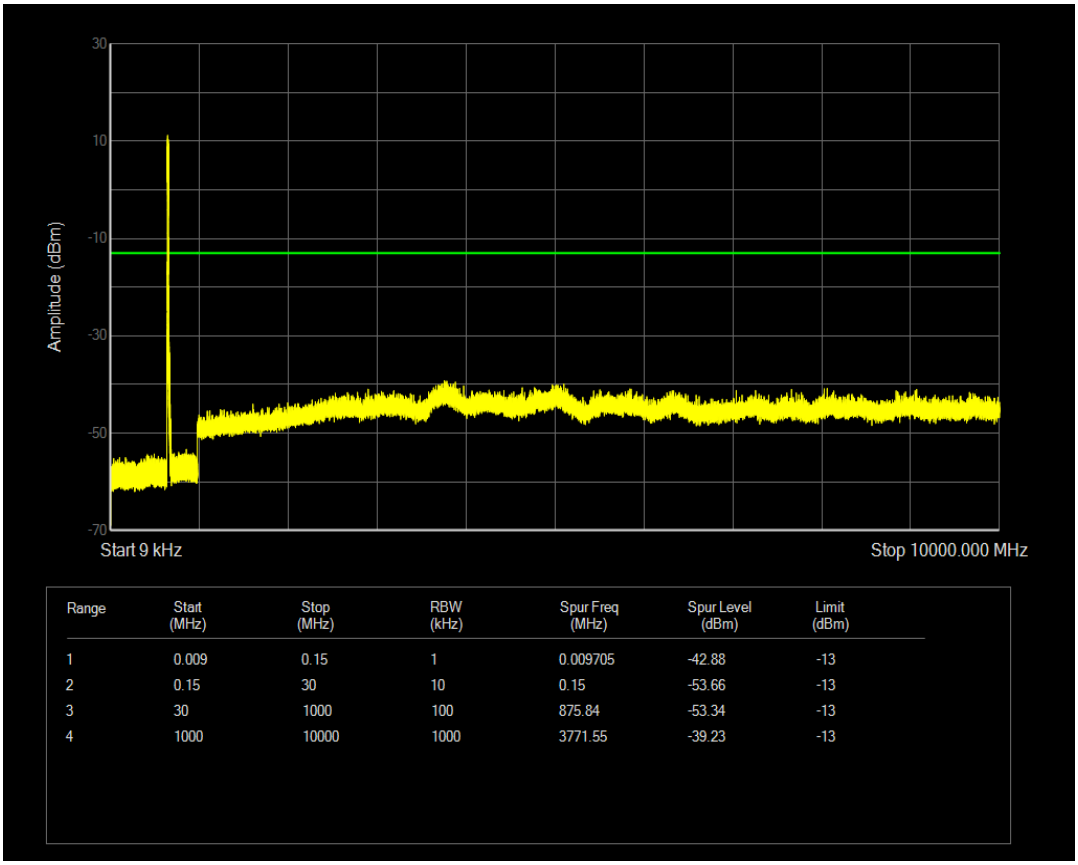
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01435095	-42.75	-13
2	0.15	30	10	0.1604475	-55.14	-13
3	30	1000	100	854.03925	-53.94	-13
4	1000	10000	1000	4907.575	-38.77	-13

n71 SCS=30kHz DFT_QPSK BW=10MHz Channel=138600 RB=1@23



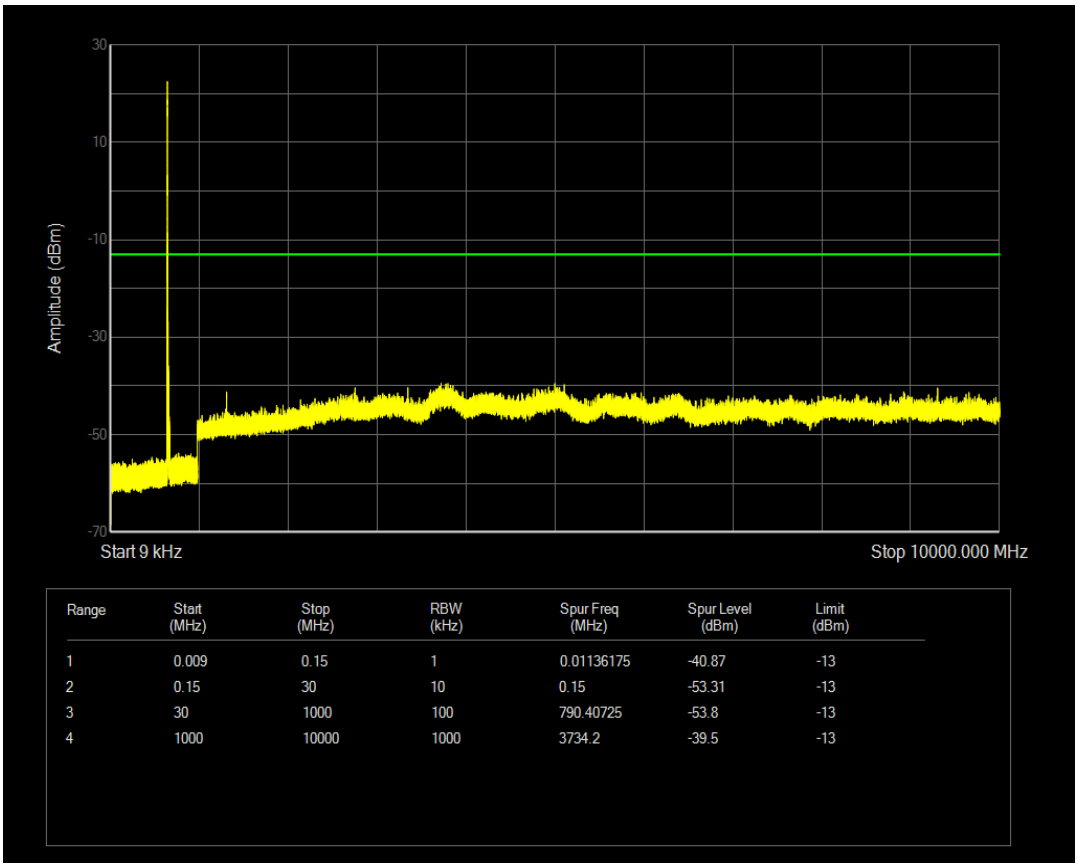
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0122289	-43.41	-13
2	0.15	30	10	0.15	-54.04	-13
3	30	1000	100	842.763	-52.88	-13
4	1000	10000	1000	3735.1	-38.21	-13

n71 SCS=30kHz DFT_QPSK BW=15MHz Channel=134100 RB=36@0



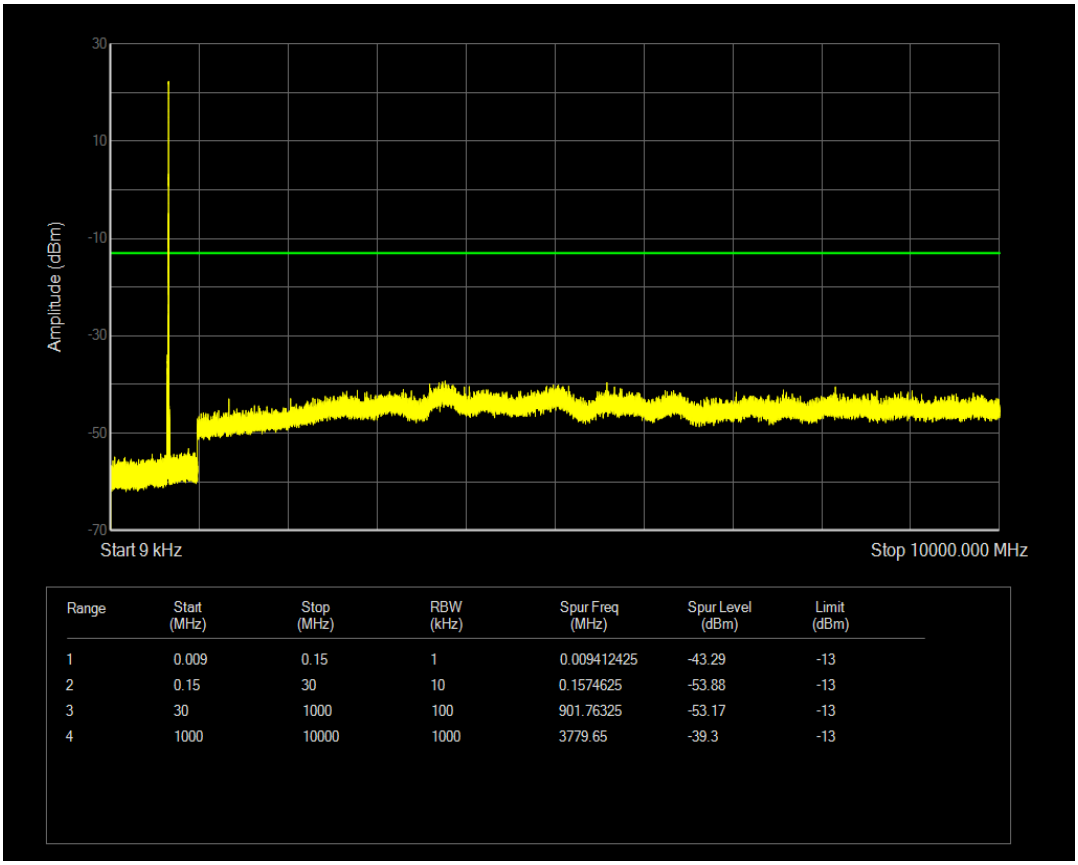
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009705	-42.88	-13
2	0.15	30	10	0.15	-53.66	-13
3	30	1000	100	875.84	-53.34	-13
4	1000	10000	1000	3771.55	-39.23	-13

n71 SCS=30kHz DFT_QPSK BW=15MHz Channel=134100 RB=1@0



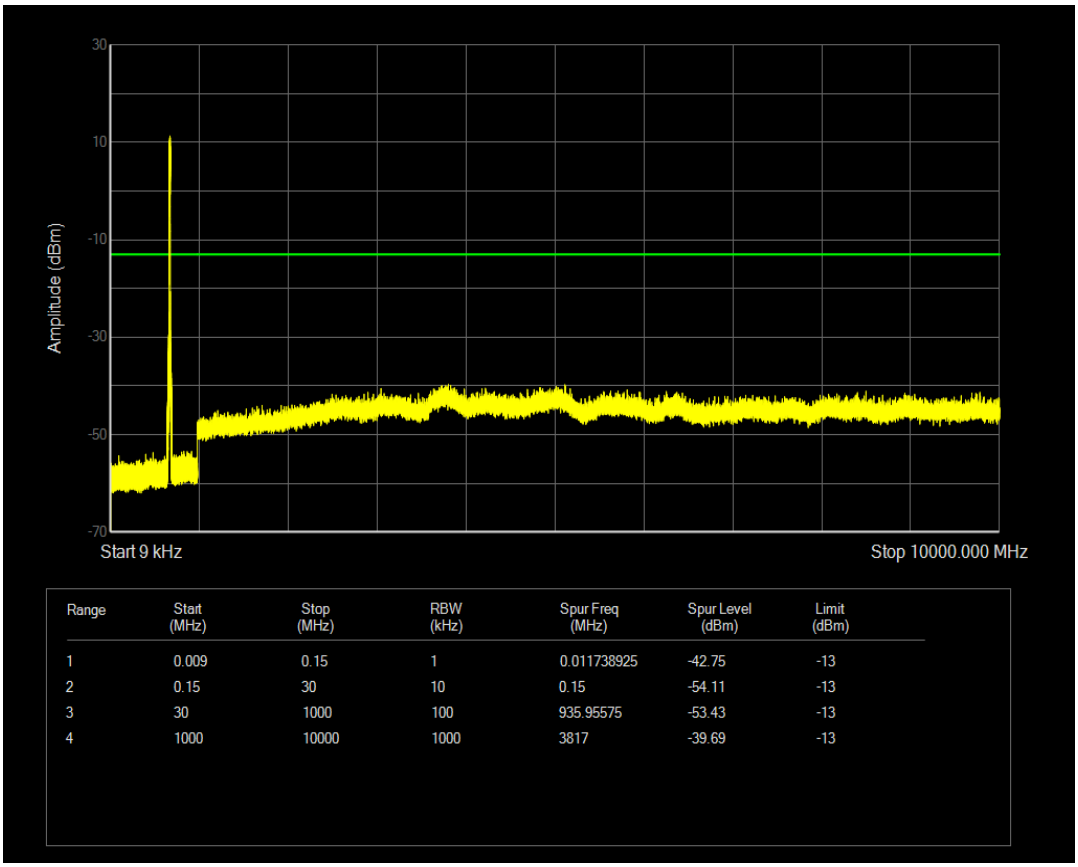
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01136175	-40.87	-13
2	0.15	30	10	0.15	-53.31	-13
3	30	1000	100	790.40725	-53.8	-13
4	1000	10000	1000	3734.2	-39.5	-13

n71 SCS=30kHz DFT_QPSK BW=15MHz Channel=134100 RB=1@37



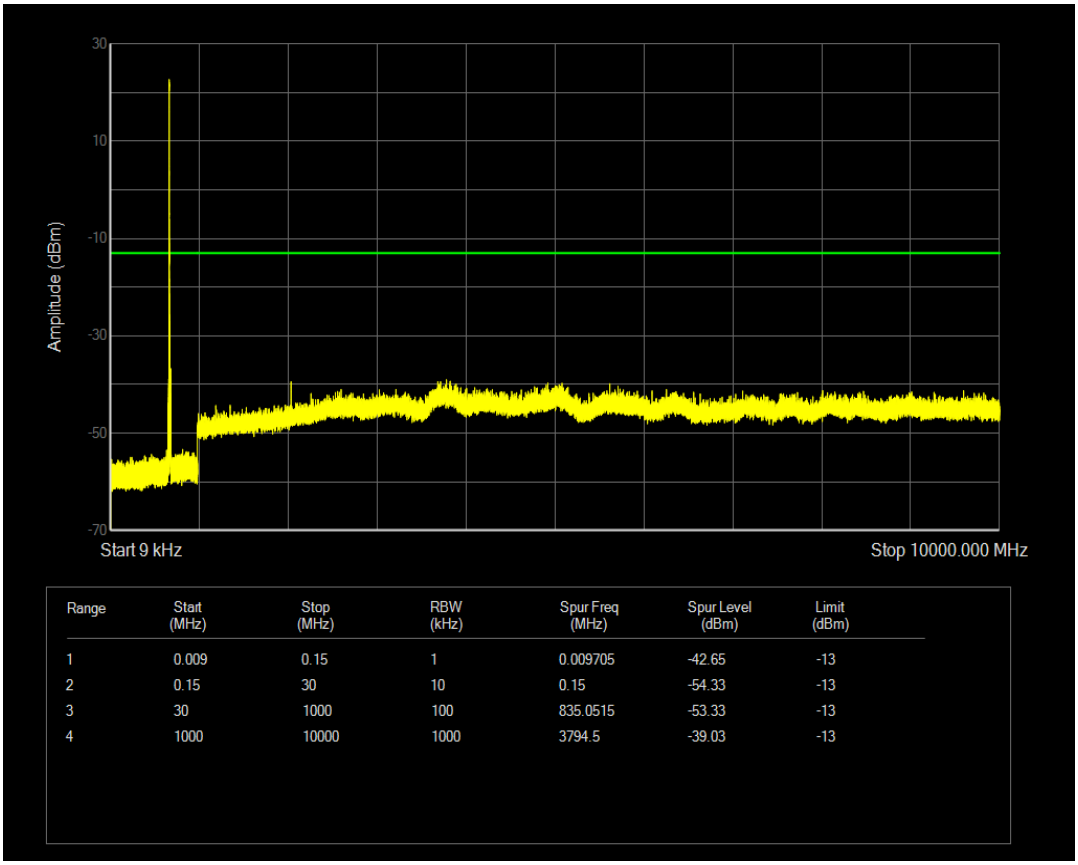
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009412425	-43.29	-13
2	0.15	30	10	0.1574625	-53.88	-13
3	30	1000	100	901.76325	-53.17	-13
4	1000	10000	1000	3779.65	-39.3	-13

n71 SCS=30kHz DFT_QPSK BW=15MHz Channel=138100 RB=36@0



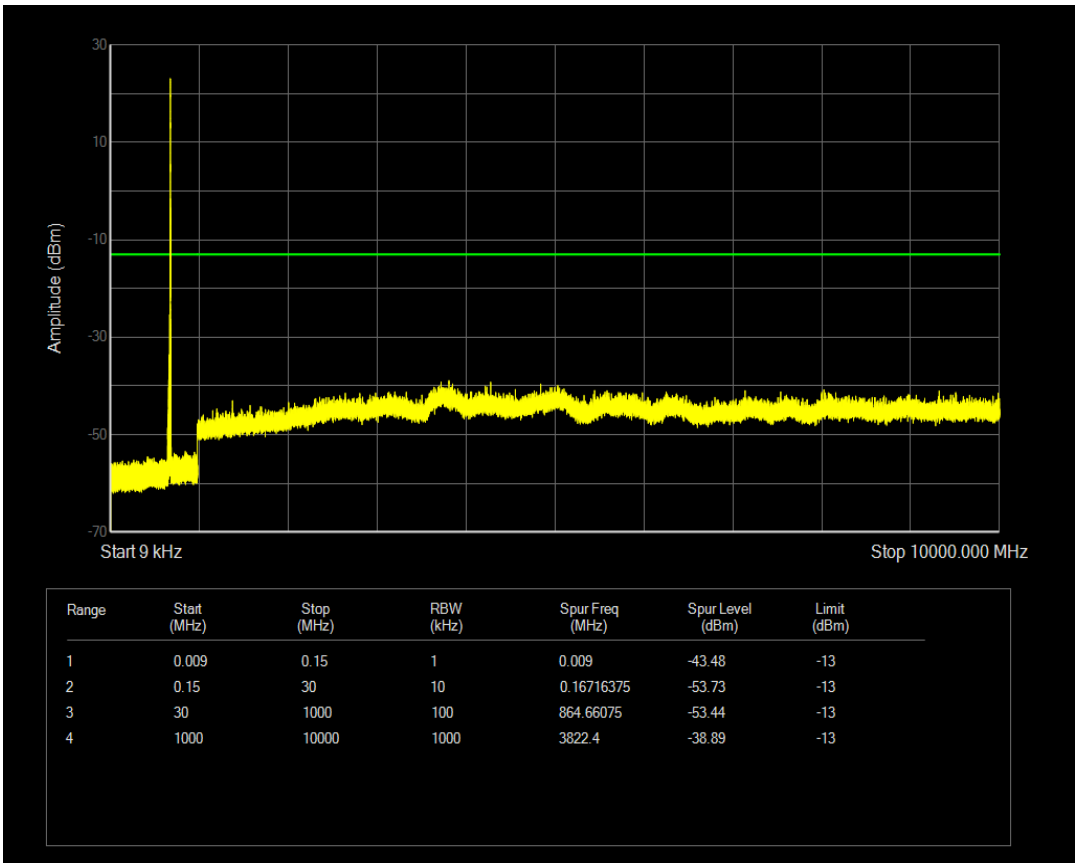
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011738925	-42.75	-13
2	0.15	30	10	0.15	-54.11	-13
3	30	1000	100	935.95575	-53.43	-13
4	1000	10000	1000	3817	-39.69	-13

n71 SCS=30kHz DFT_QPSK BW=15MHz Channel=138100 RB=1@0



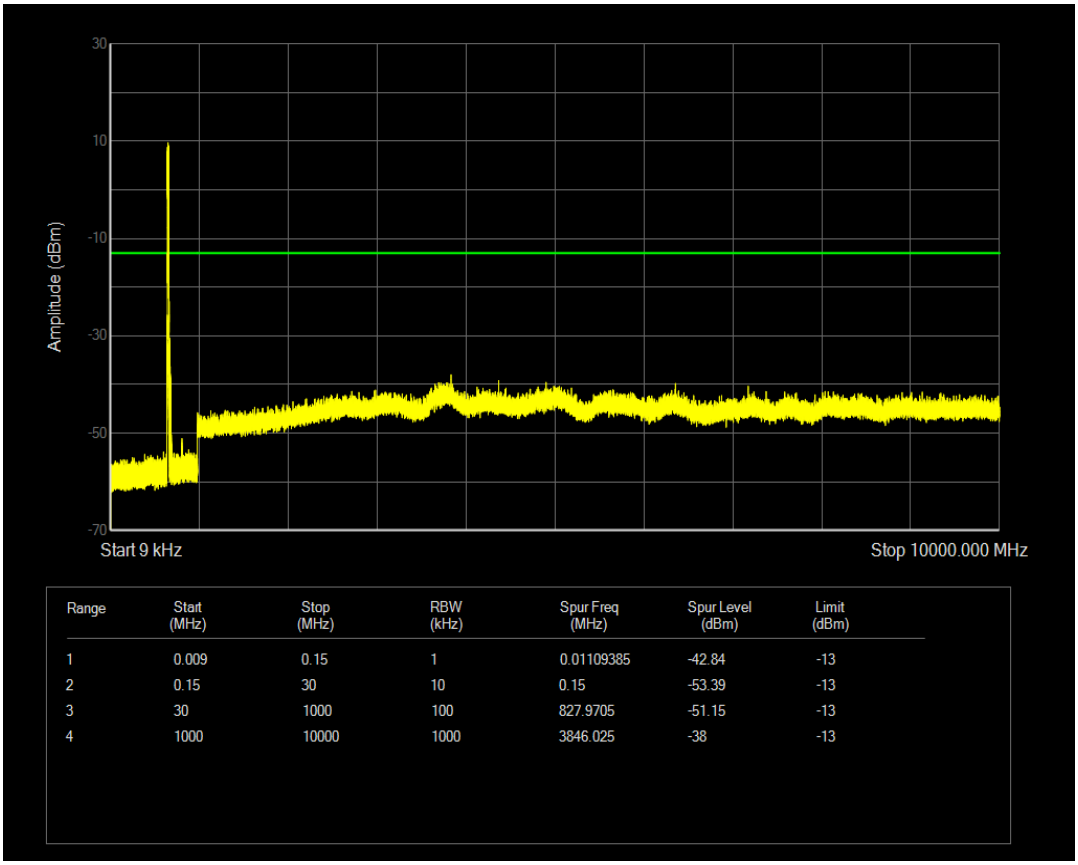
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009705	-42.65	-13
2	0.15	30	10	0.15	-54.33	-13
3	30	1000	100	835.0515	-53.33	-13
4	1000	10000	1000	3794.5	-39.03	-13

n71 SCS=30kHz DFT_QPSK BW=15MHz Channel=138100 RB=1@37



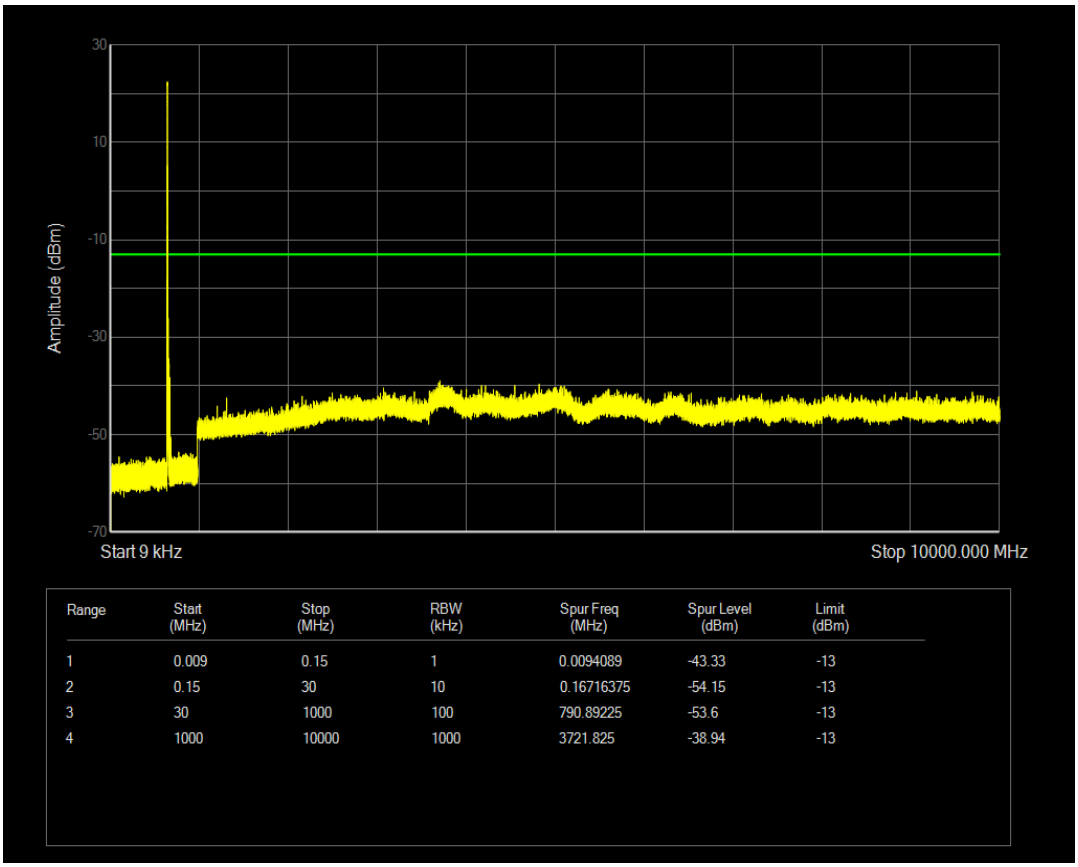
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-43.48	-13
2	0.15	30	10	0.16716375	-53.73	-13
3	30	1000	100	864.66075	-53.44	-13
4	1000	10000	1000	3822.4	-38.89	-13

n71 SCS=30kHz DFT_QPSK BW=20MHz Channel=134600 RB=50@0



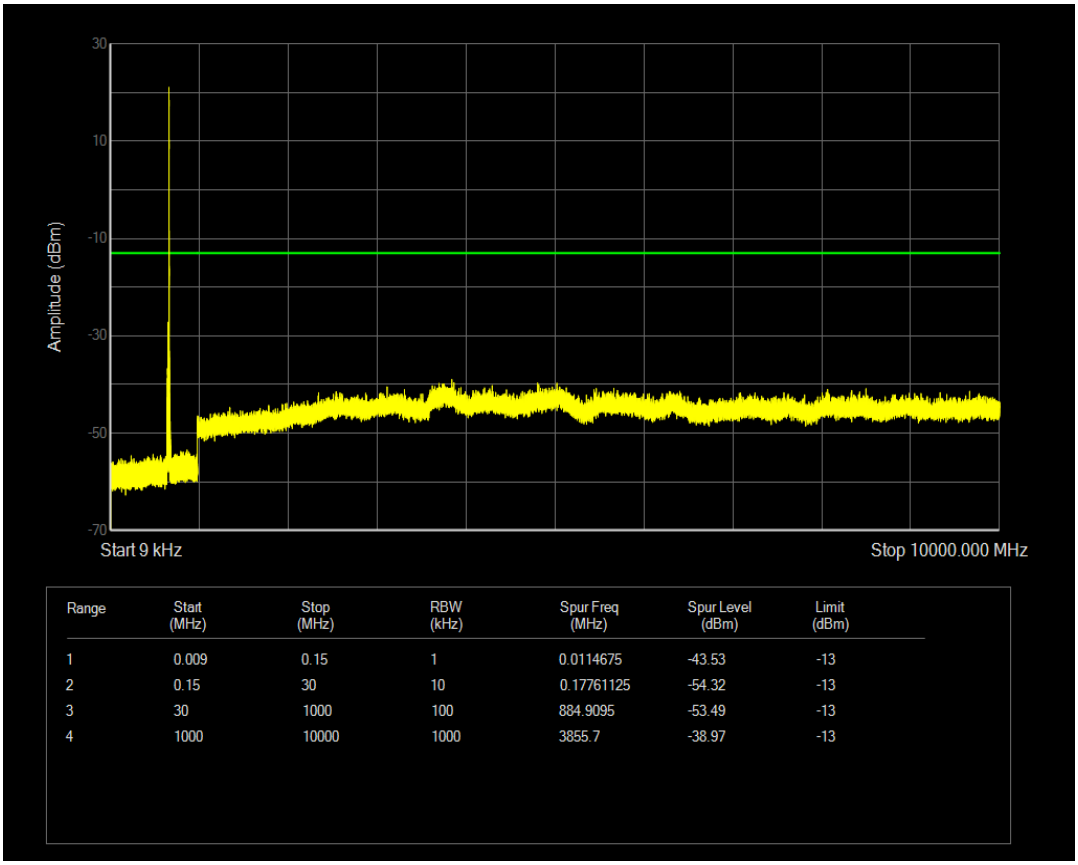
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01109385	-42.84	-13
2	0.15	30	10	0.15	-53.39	-13
3	30	1000	100	827.9705	-51.15	-13
4	1000	10000	1000	3846.025	-38	-13

n71 SCS=30kHz DFT_QPSK BW=20MHz Channel=134600 RB=1@0



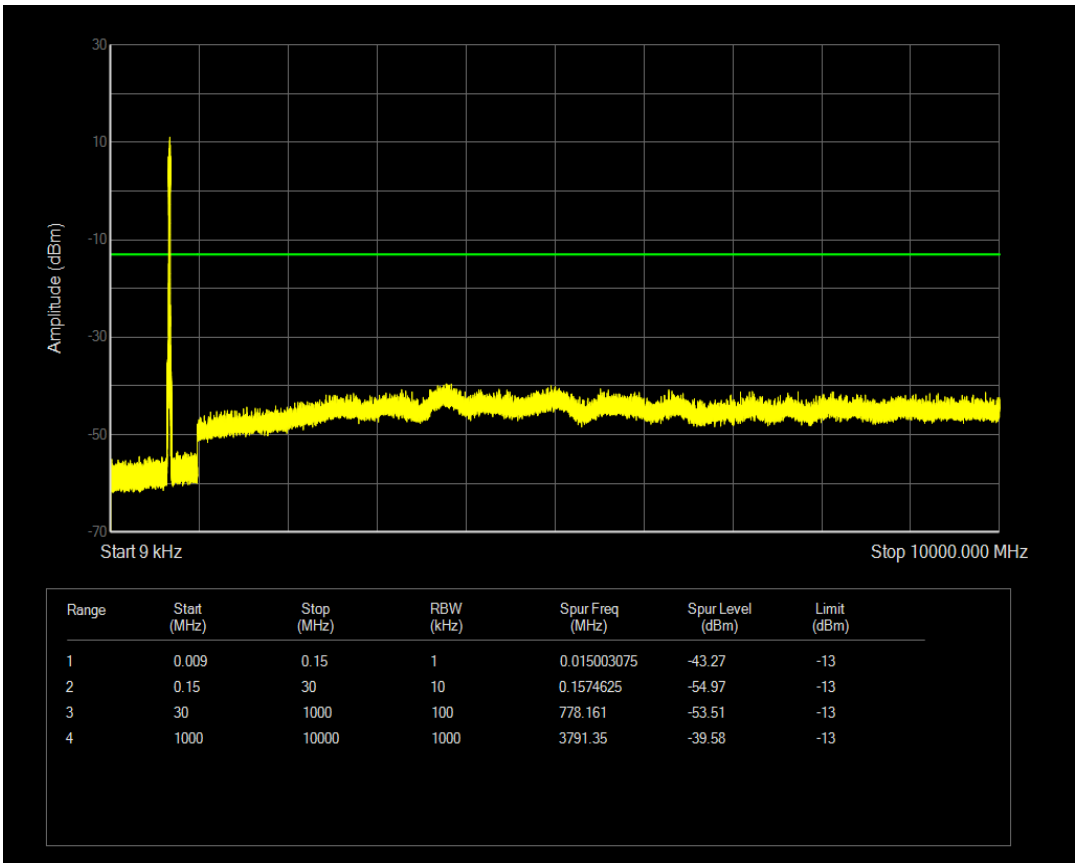
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0094089	-43.33	-13
2	0.15	30	10	0.16716375	-54.15	-13
3	30	1000	100	790.89225	-53.6	-13
4	1000	10000	1000	3721.825	-38.94	-13

n71 SCS=30kHz DFT_QPSK BW=20MHz Channel=134600 RB=1@50



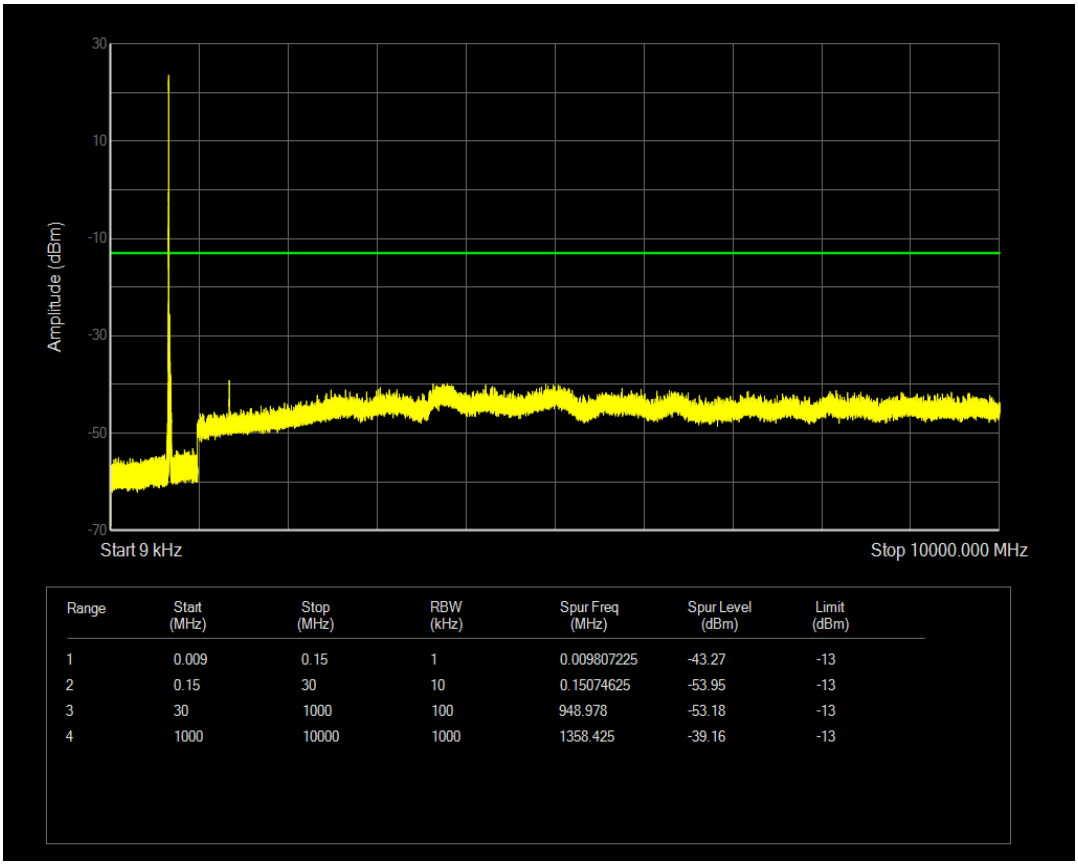
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0114675	-43.53	-13
2	0.15	30	10	0.17761125	-54.32	-13
3	30	1000	100	884.9095	-53.49	-13
4	1000	10000	1000	3855.7	-38.97	-13

n71 SCS=30kHz DFT_QPSK BW=20MHz Channel=137600 RB=50@0



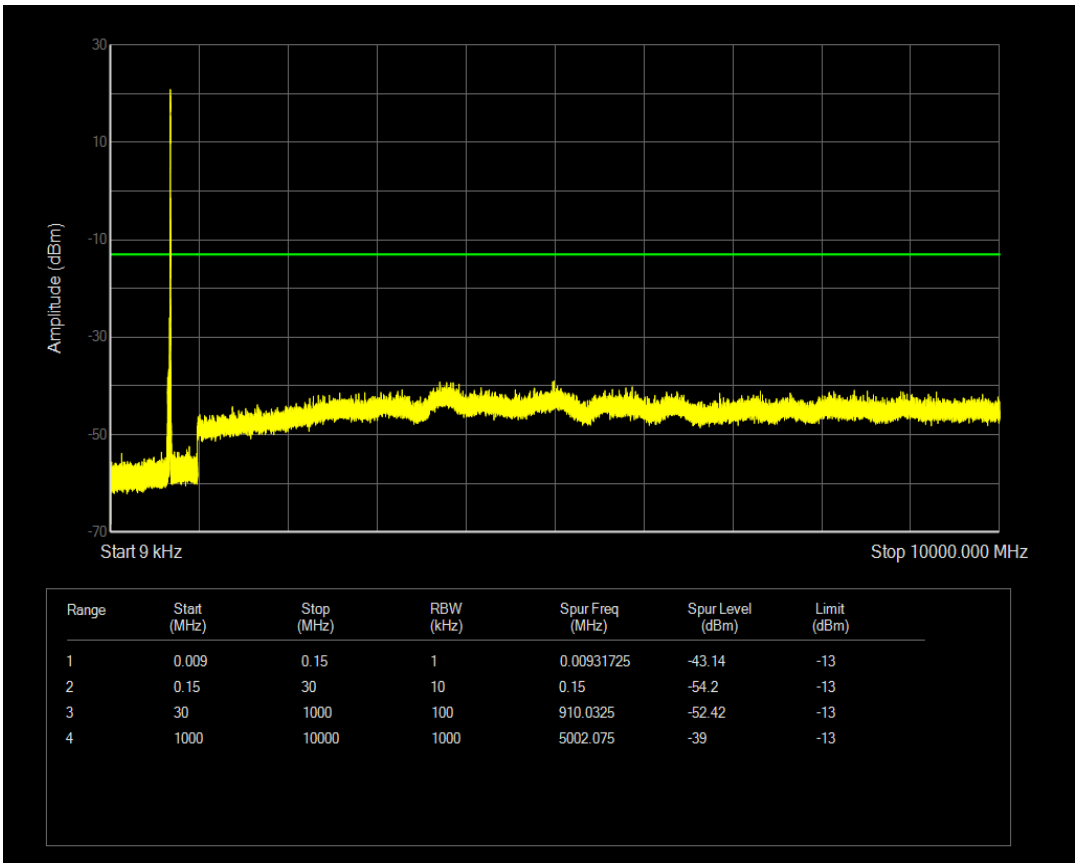
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.015003075	-43.27	-13
2	0.15	30	10	0.1574625	-54.97	-13
3	30	1000	100	778.161	-53.51	-13
4	1000	10000	1000	3791.35	-39.58	-13

n71 SCS=30kHz DFT_QPSK BW=20MHz Channel=137600 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009807225	-43.27	-13
2	0.15	30	10	0.15074625	-53.95	-13
3	30	1000	100	948.978	-53.18	-13
4	1000	10000	1000	1358.425	-39.16	-13

n71 SCS=30kHz DFT_QPSK BW=20MHz Channel=137600 RB=1@50



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00931725	-43.14	-13
2	0.15	30	10	0.15	-54.2	-13
3	30	1000	100	910.0325	-52.42	-13
4	1000	10000	1000	5002.075	-39	-13