

LTE Band Test Data

FCC ID : 2A9LB-T30

IC : 29740-T30

Company: : Eugeria

EUT : Idem Smart Display

Model Number : T30

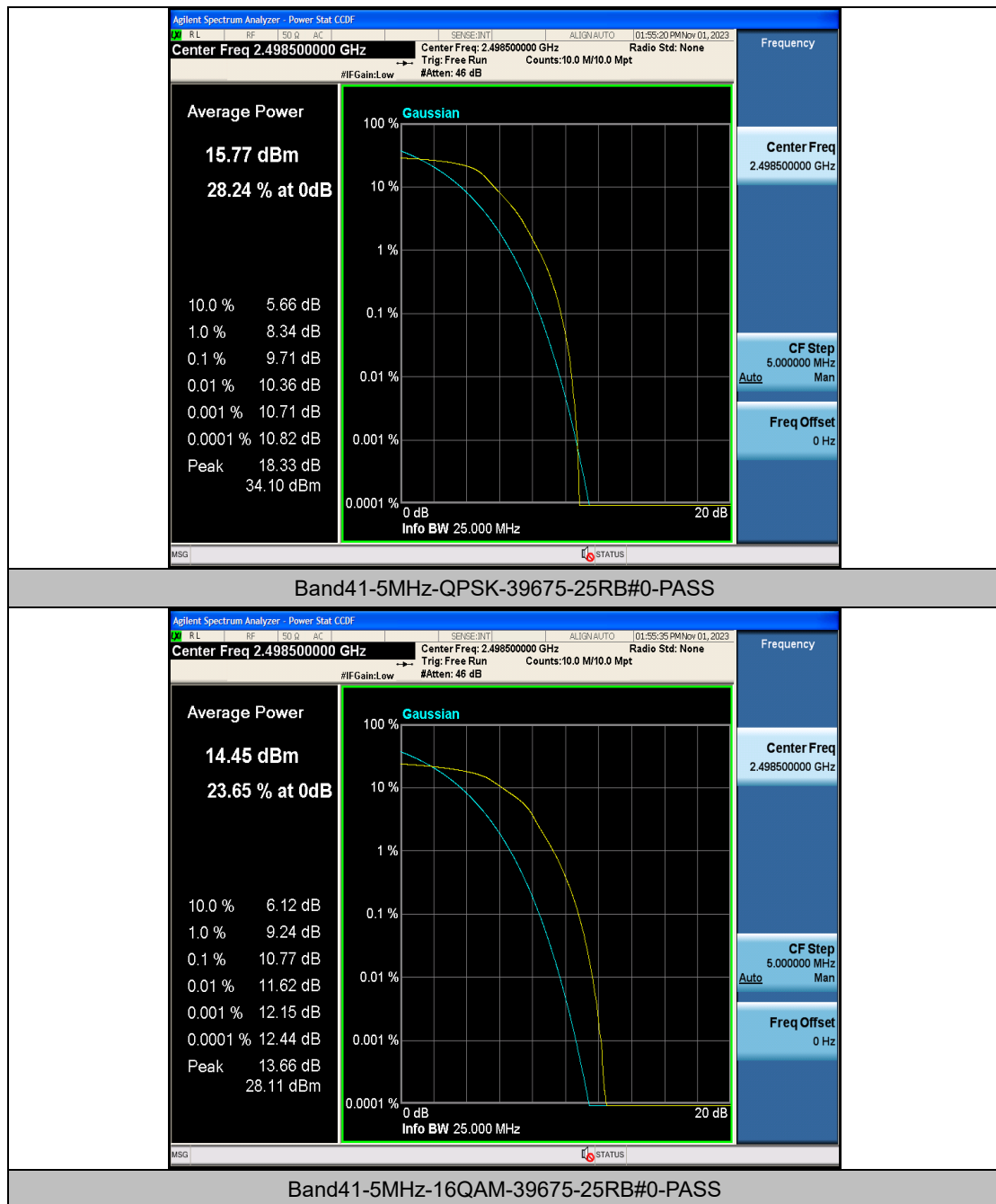
Reviewed By : Eric Wang

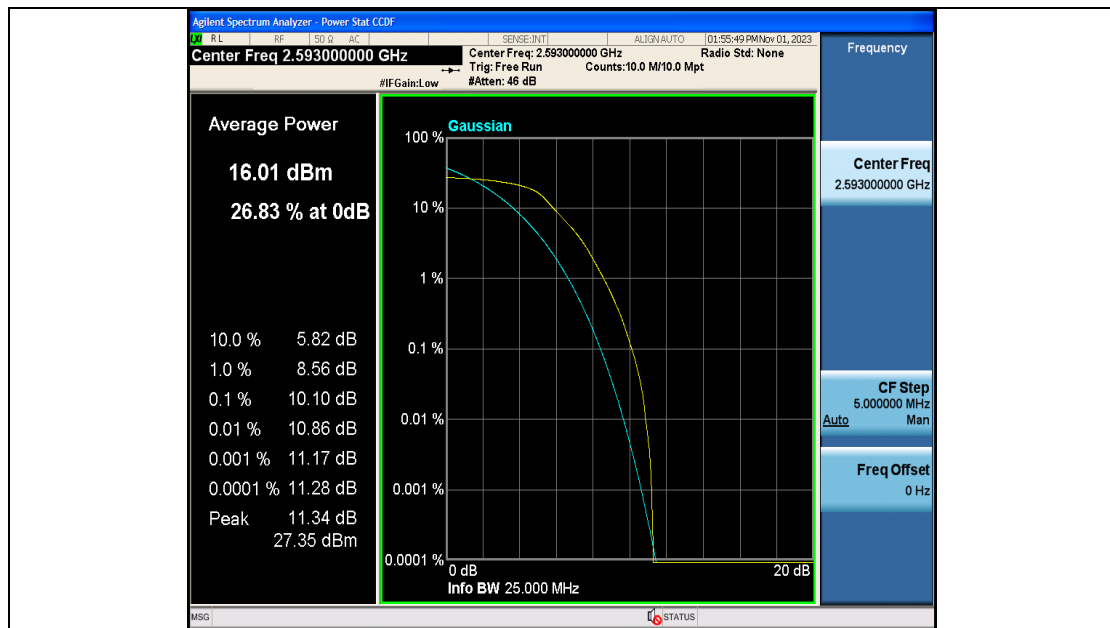
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

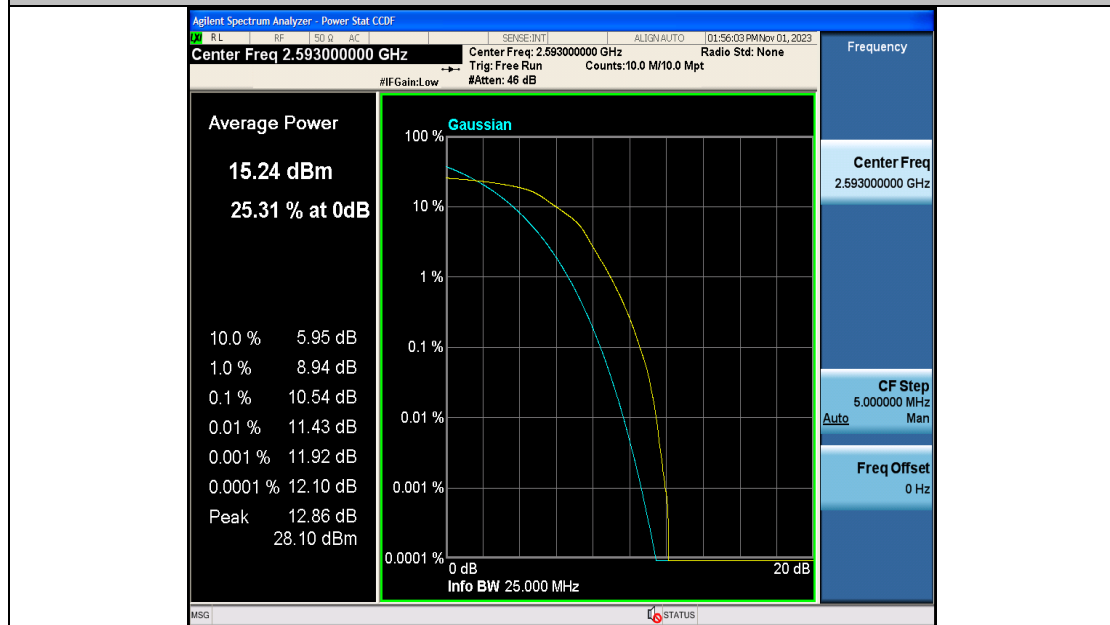
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	9.71	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	10.77	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	10.10	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	10.54	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	9.93	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	10.79	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.71	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	10.09	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	10.14	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	10.43	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	10.33	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	10.77	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.76	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	10.58	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	10.63	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	10.79	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	10.10	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	10.49	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	9.41	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	10.58	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	10.48	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	10.76	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.80	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	10.65	13	PASS

Test Graphs

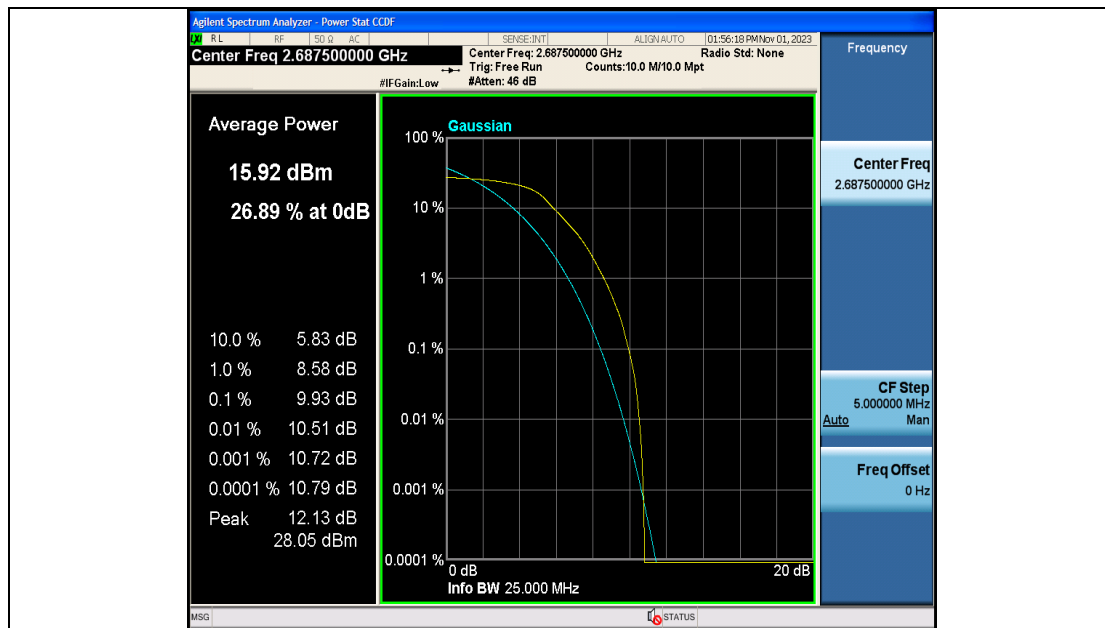




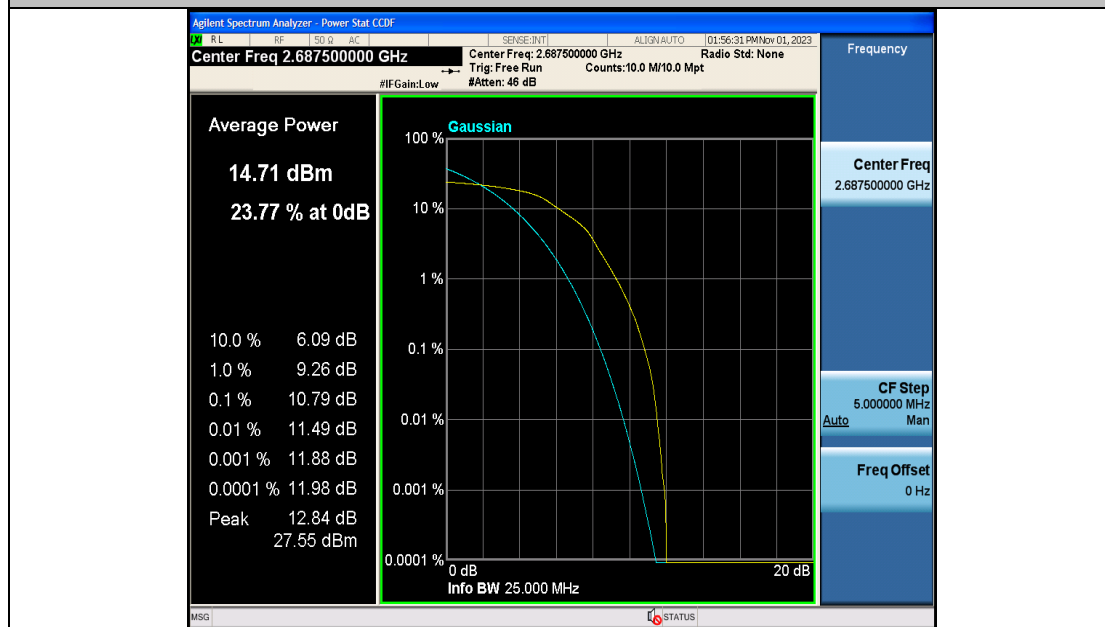
Band41-5MHz-QPSK-40620-25RB#0-PASS



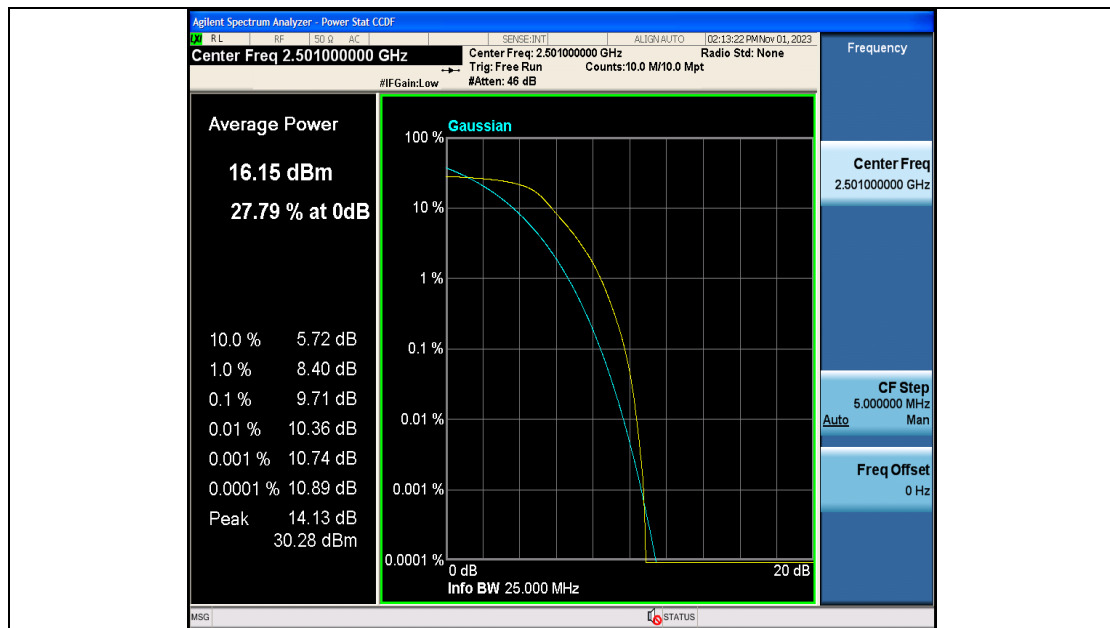
Band41-5MHz-16QAM-40620-25RB#0-PASS



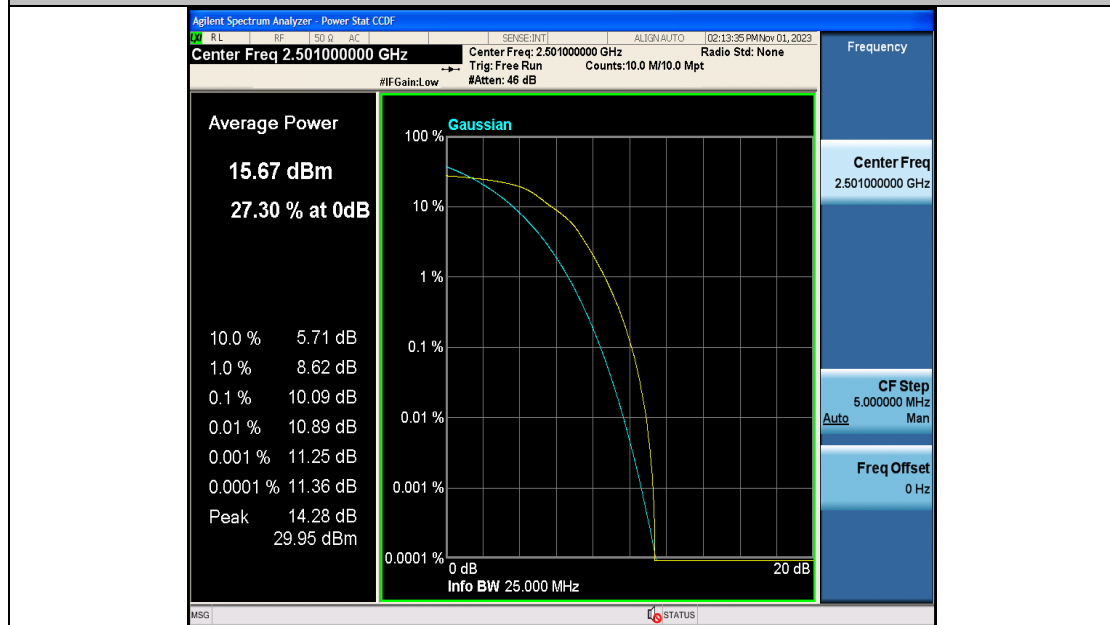
Band41-5MHz-QPSK-41565-25RB#0-PASS



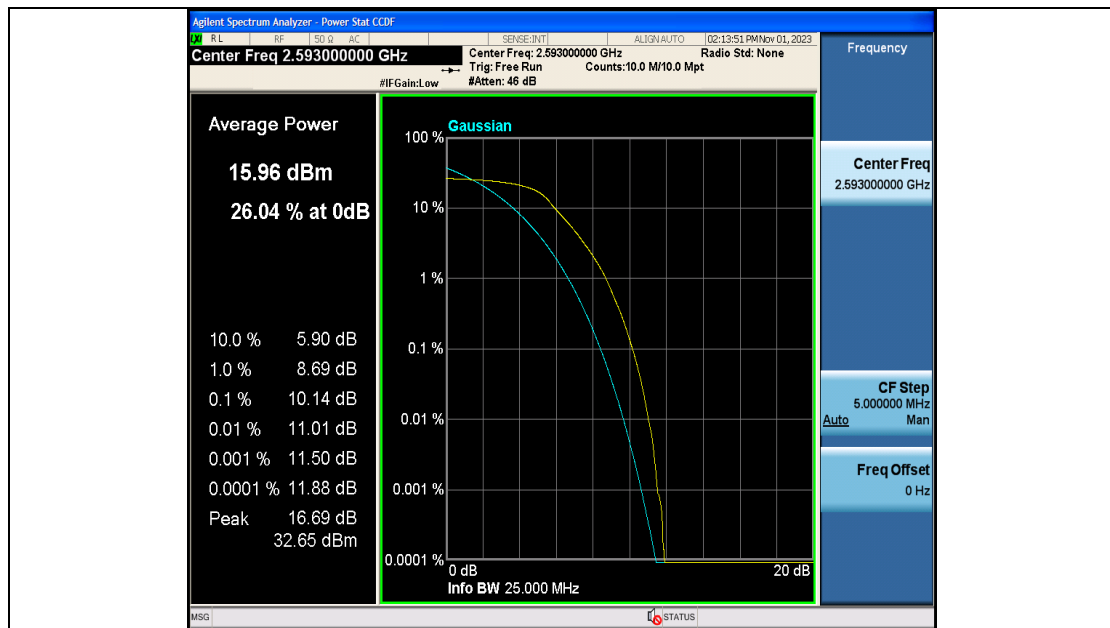
Band41-5MHz-16QAM-41565-25RB#0-PASS



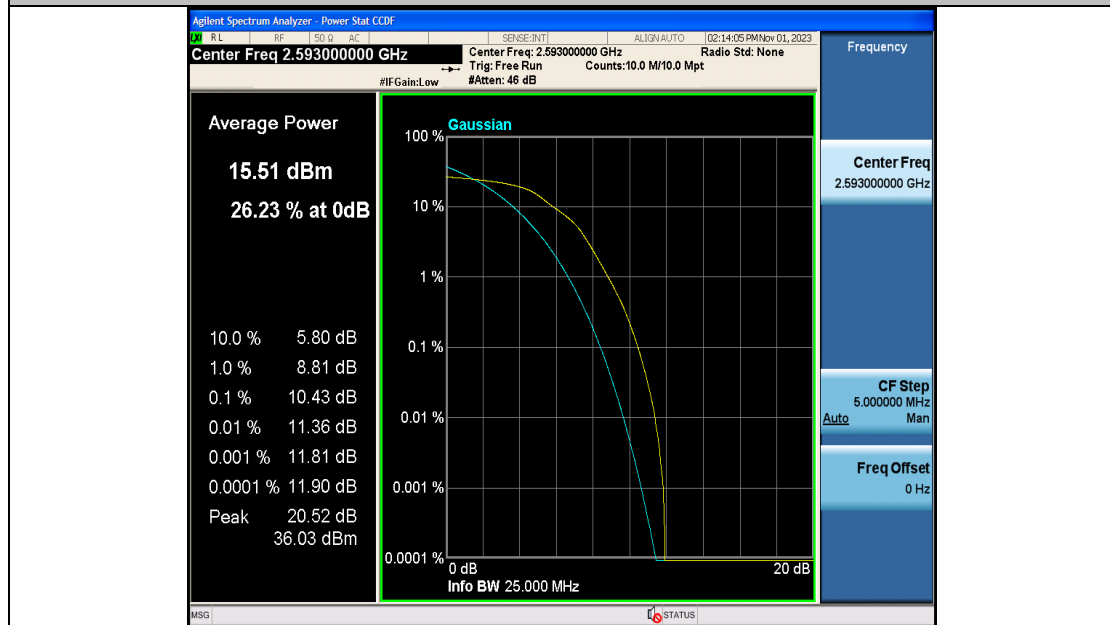
Band41-10MHz-QPSK-39700-50RB#0-PASS



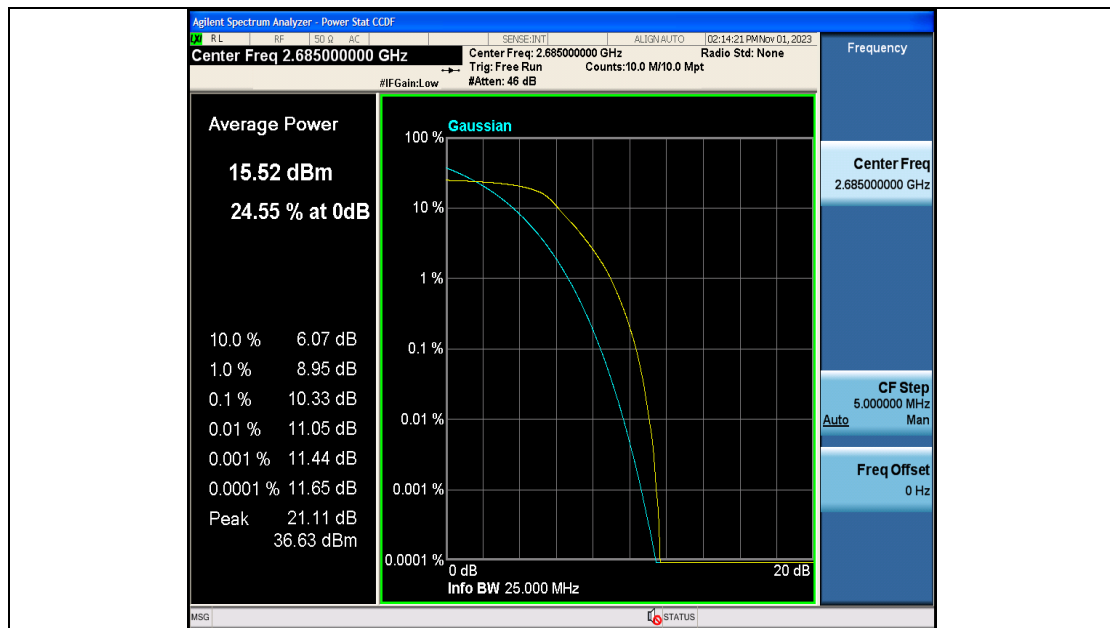
Band41-10MHz-16QAM-39700-50RB#0-PASS



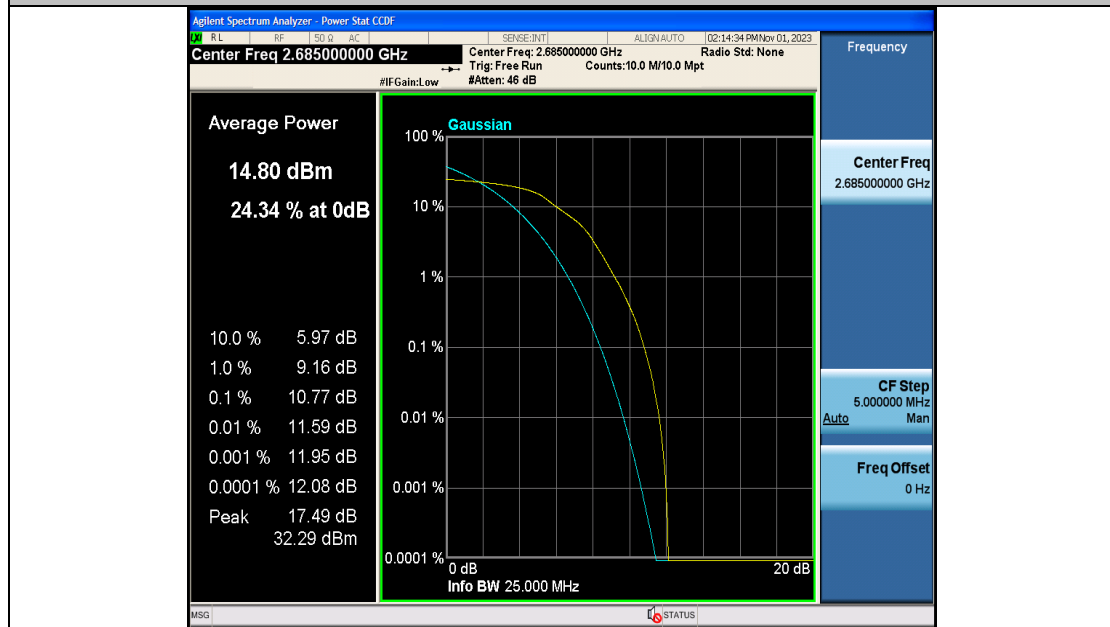
Band41-10MHz-QPSK-40620-50RB#0-PASS



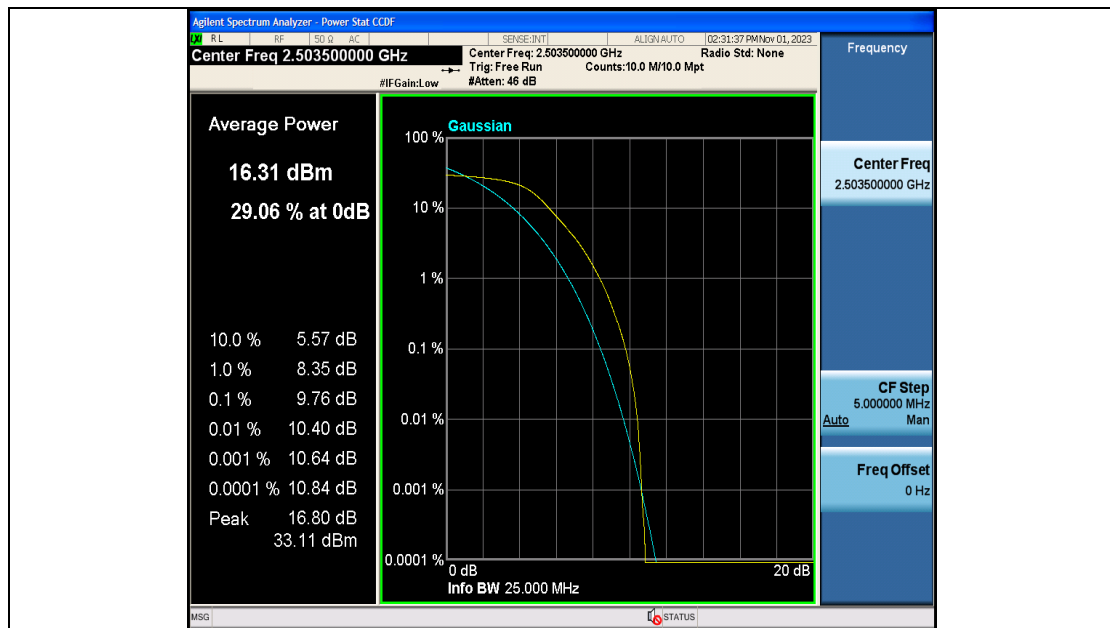
Band41-10MHz-16QAM-40620-50RB#0-PASS



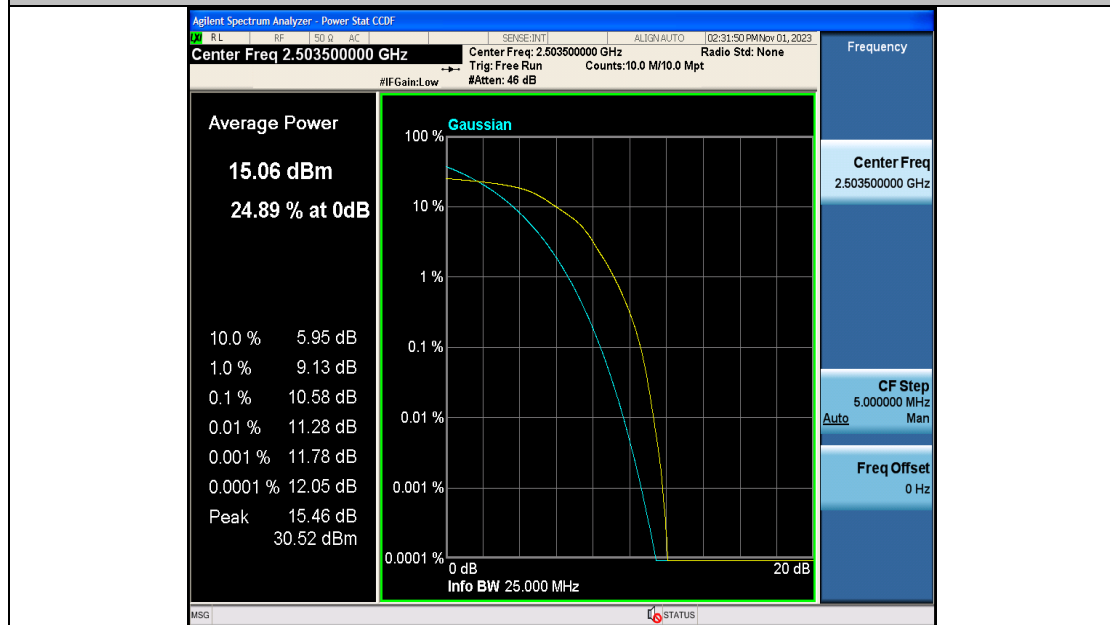
Band41-10MHz-QPSK-41540-50RB#0-PASS



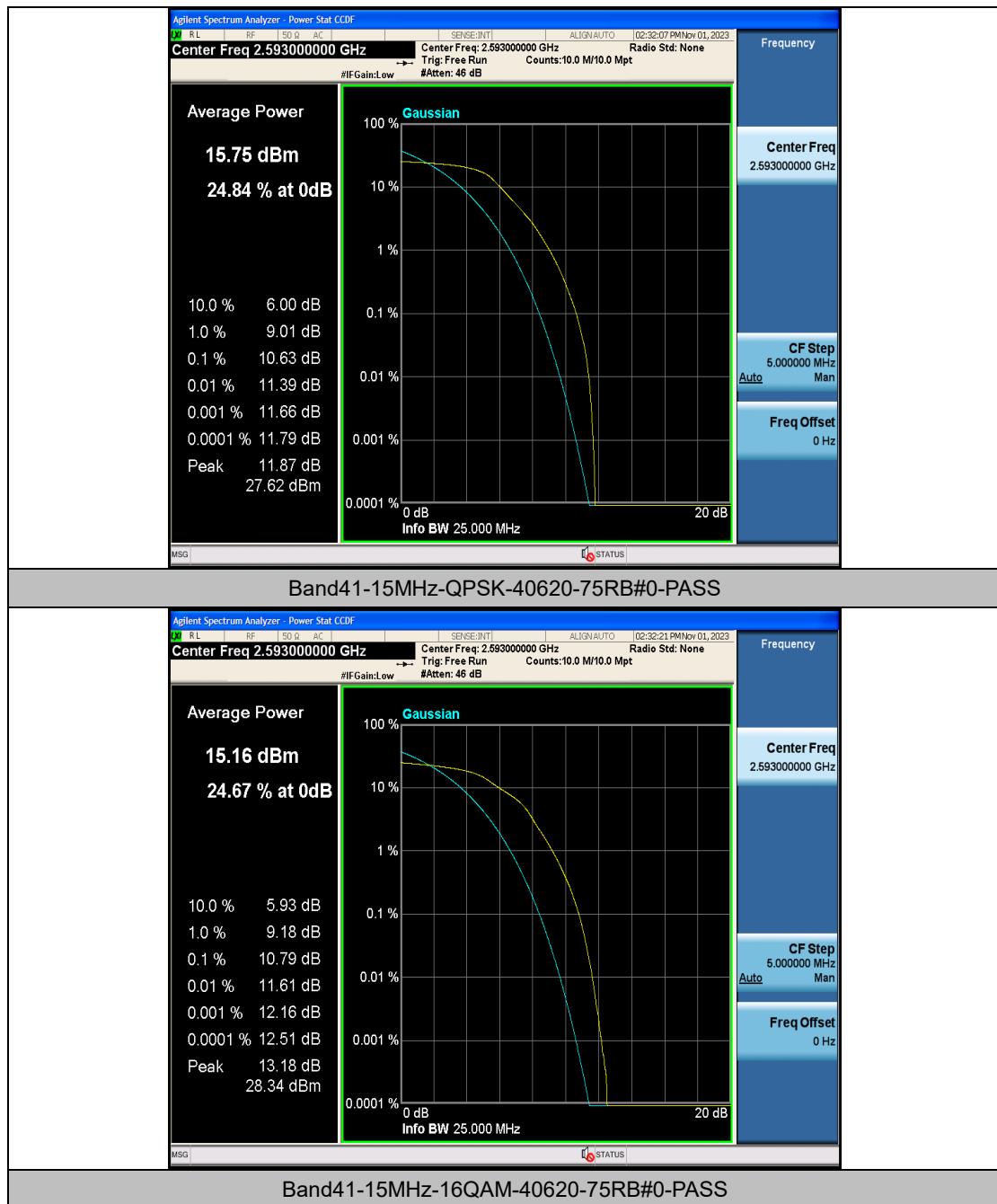
Band41-10MHz-16QAM-41540-50RB#0-PASS

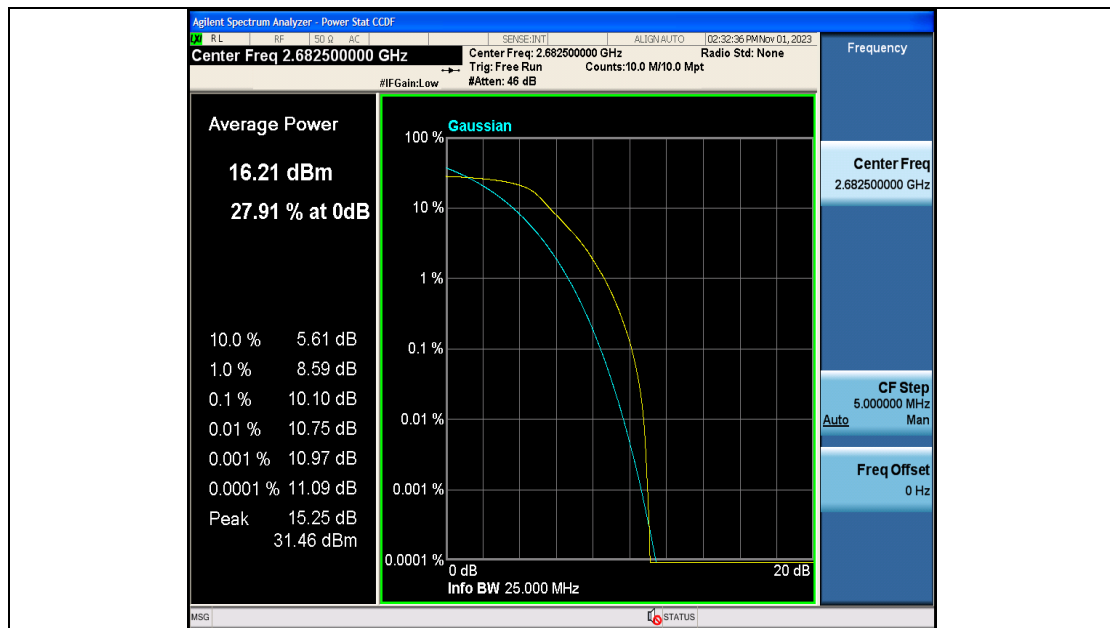


Band41-15MHz-QPSK-39725-75RB#0-PASS

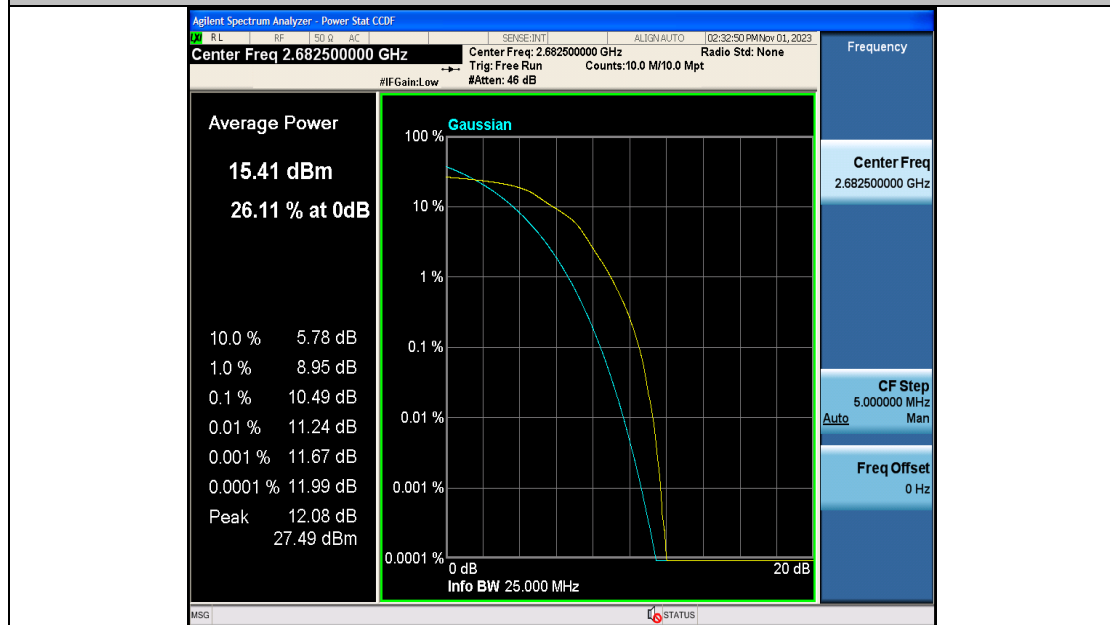


Band41-15MHz-16QAM-39725-75RB#0-PASS

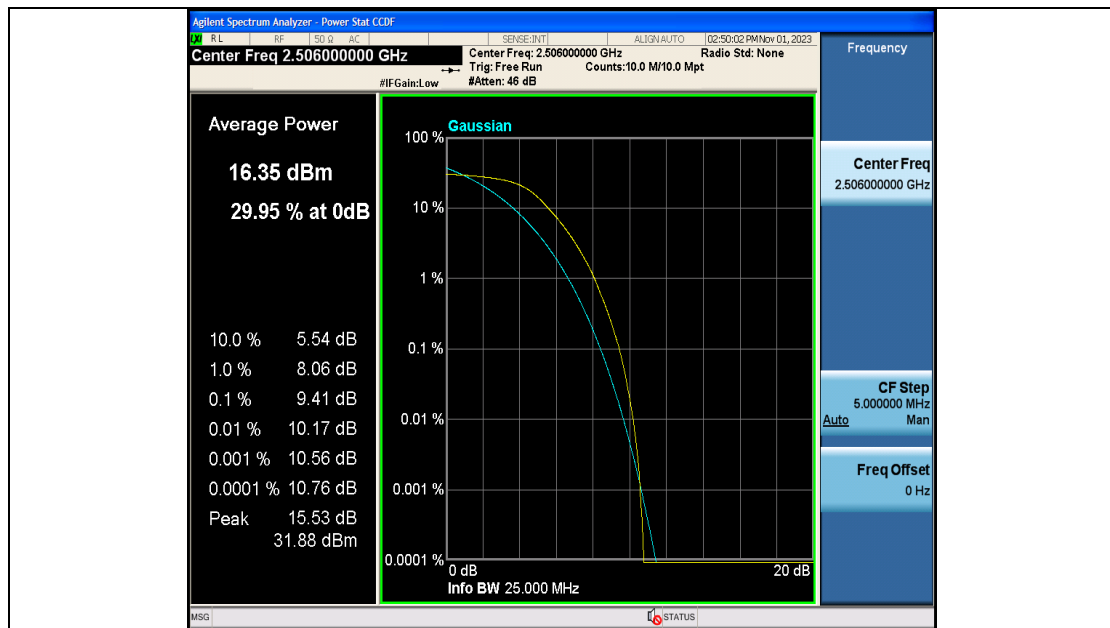




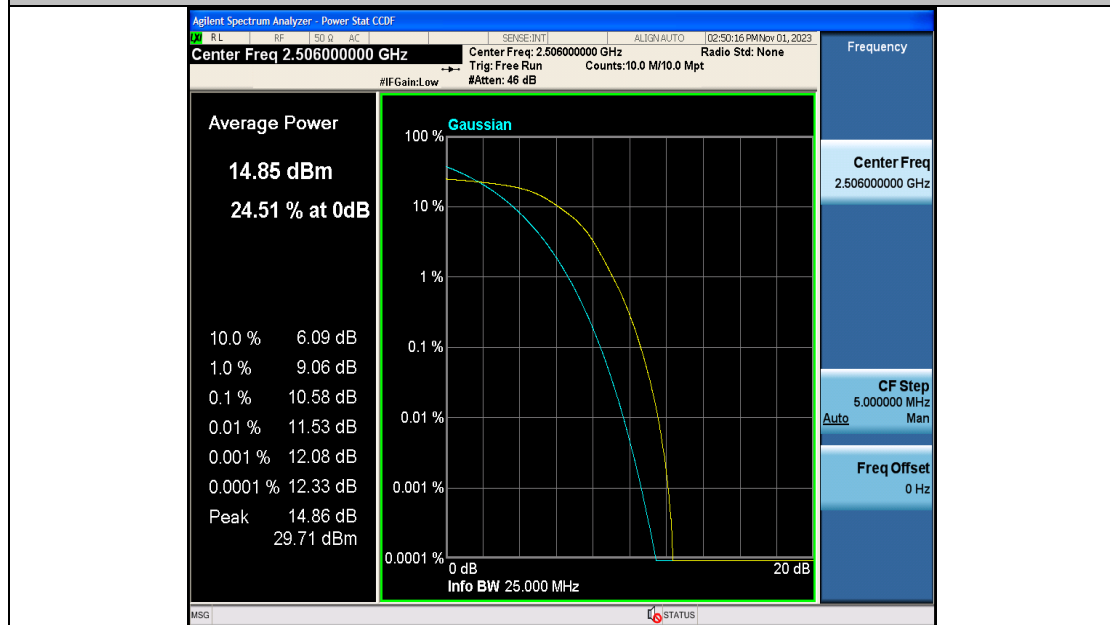
Band41-15MHz-QPSK-41515-75RB#0-PASS



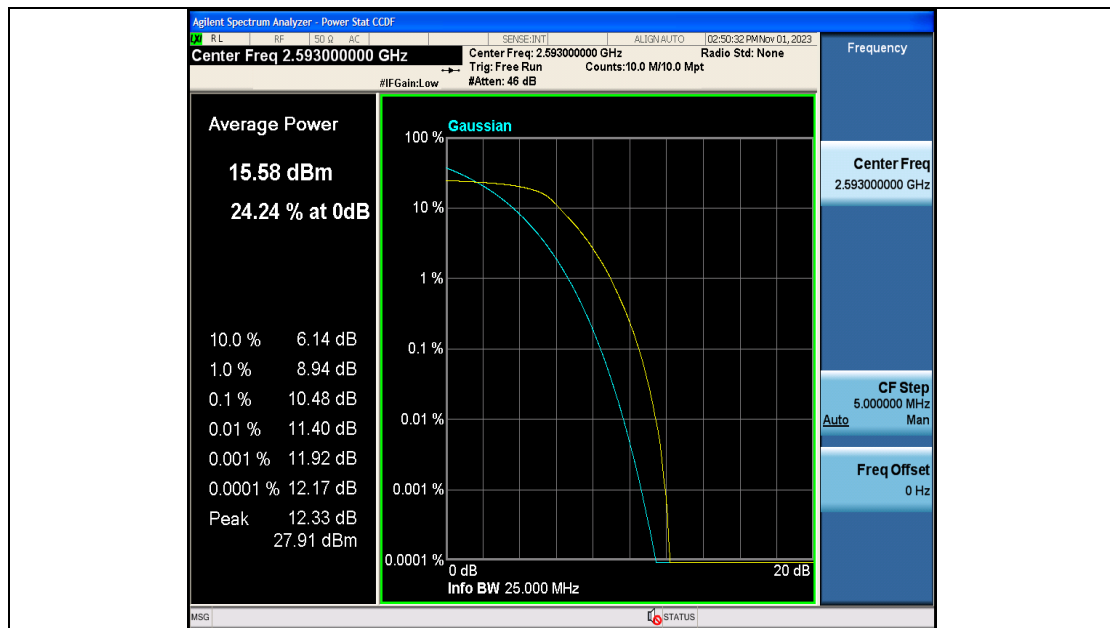
Band41-15MHz-16QAM-41515-75RB#0-PASS



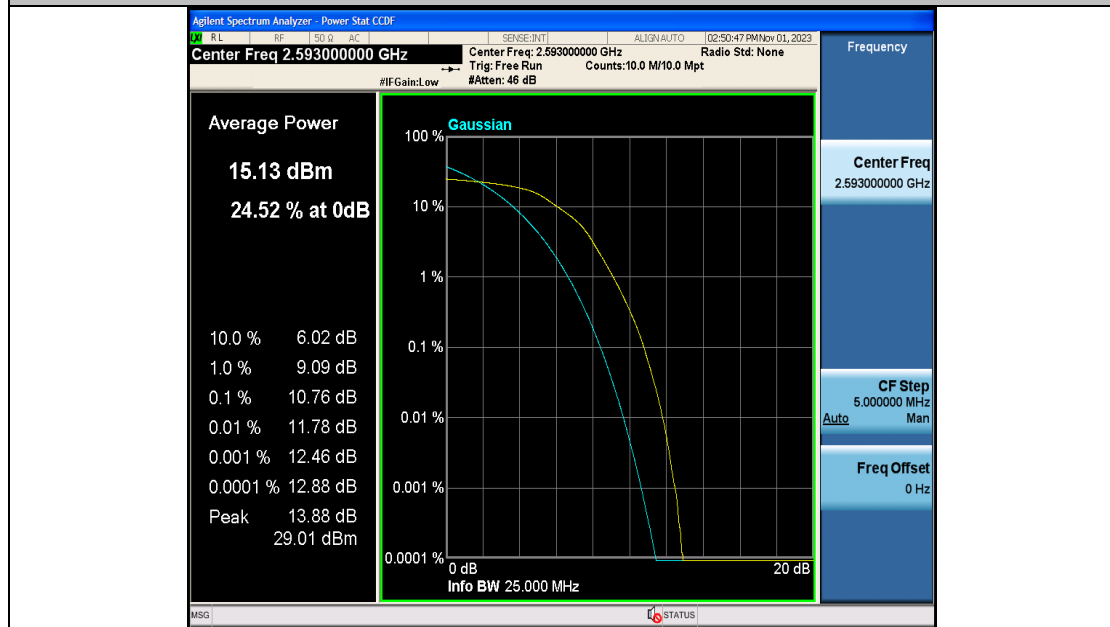
Band41-20MHz-QPSK-39750-100RB#0-PASS



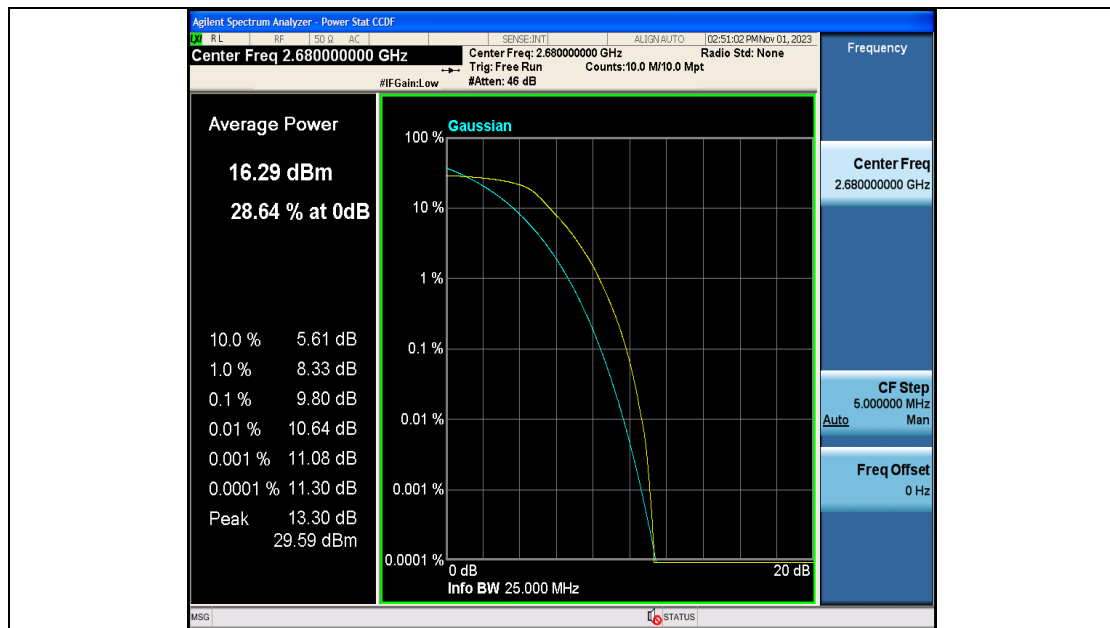
Band41-20MHz-16QAM-39750-100RB#0-PASS



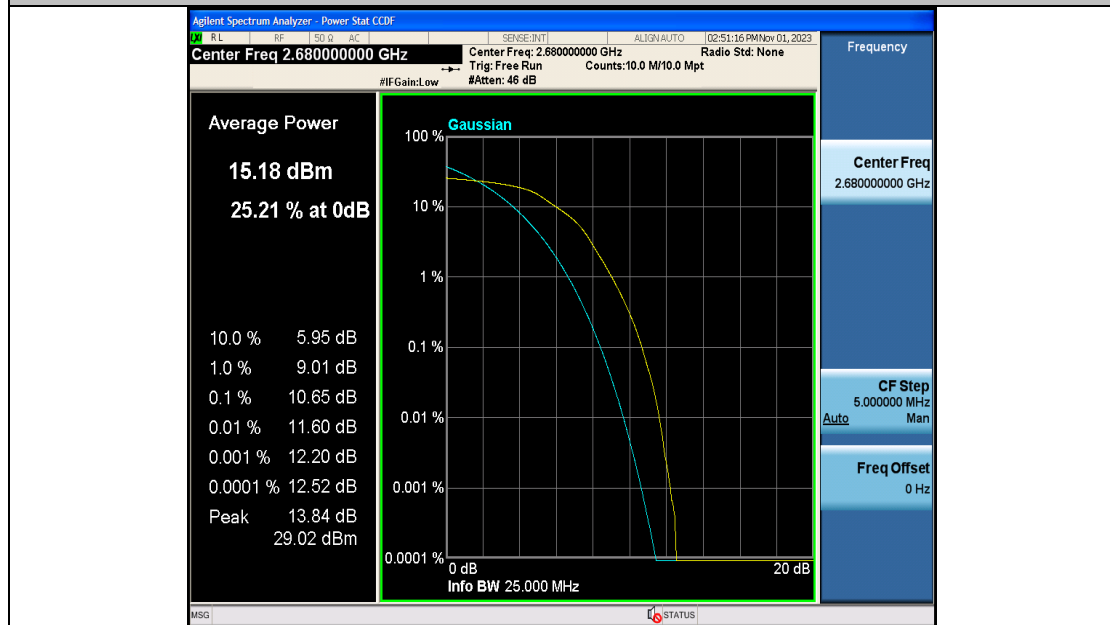
Band41-20MHz-QPSK-40620-100RB#0-PASS



Band41-20MHz-16QAM-40620-100RB#0-PASS



Band41-20MHz-QPSK-41490-100RB#0-PASS



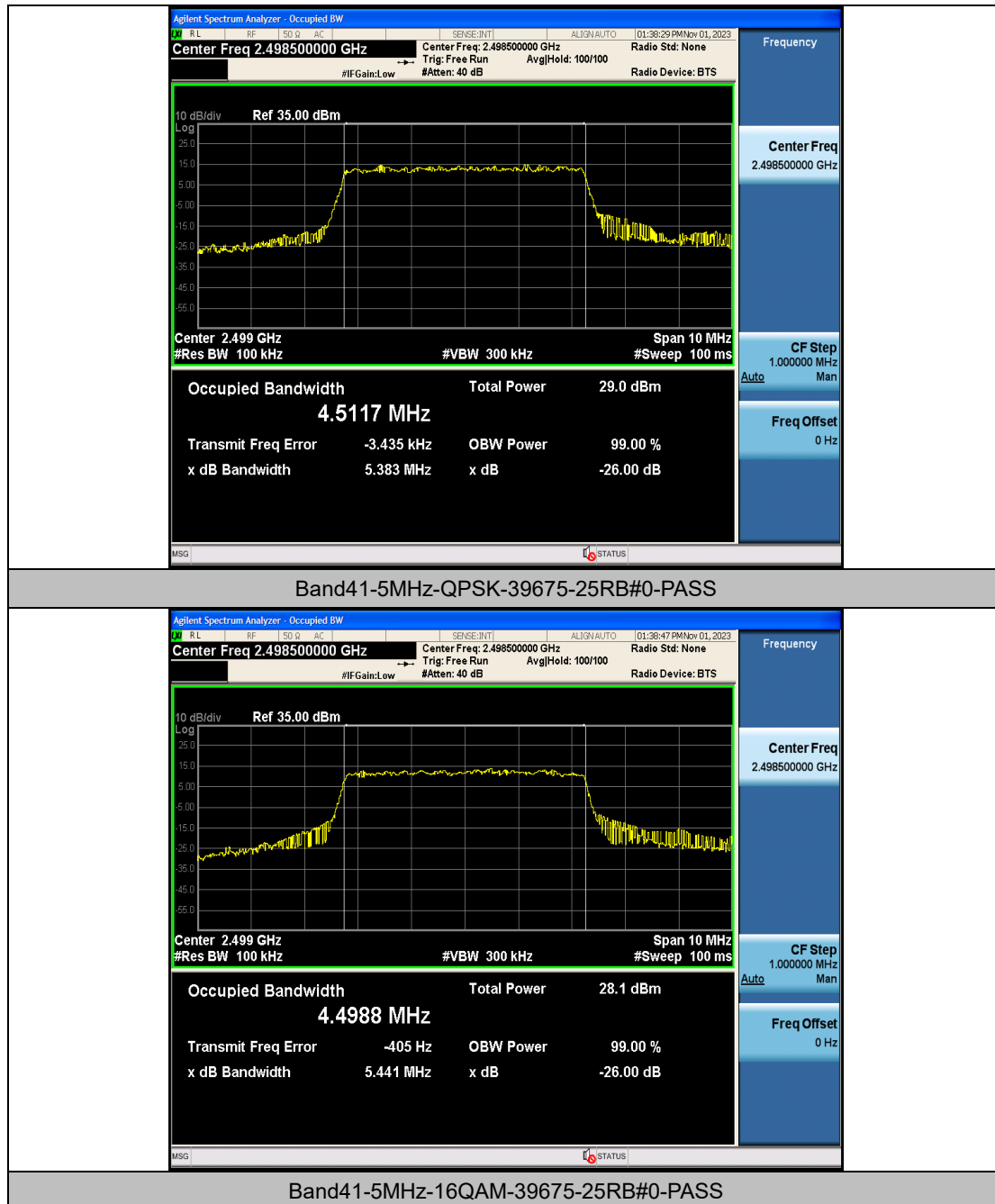
Band41-20MHz-16QAM-41490-100RB#0-PASS

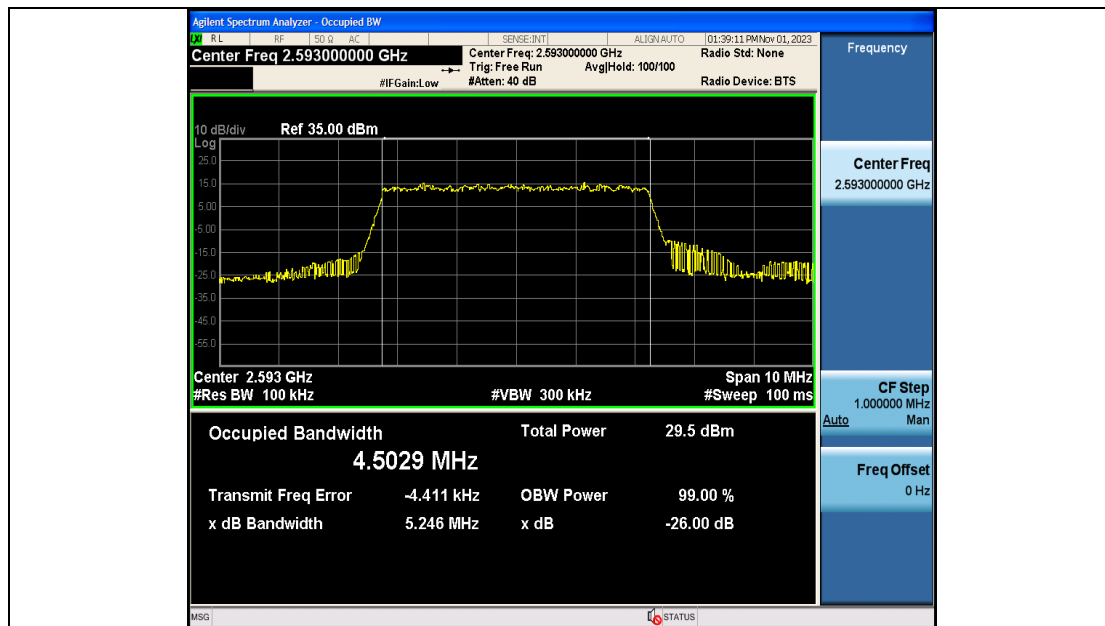
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

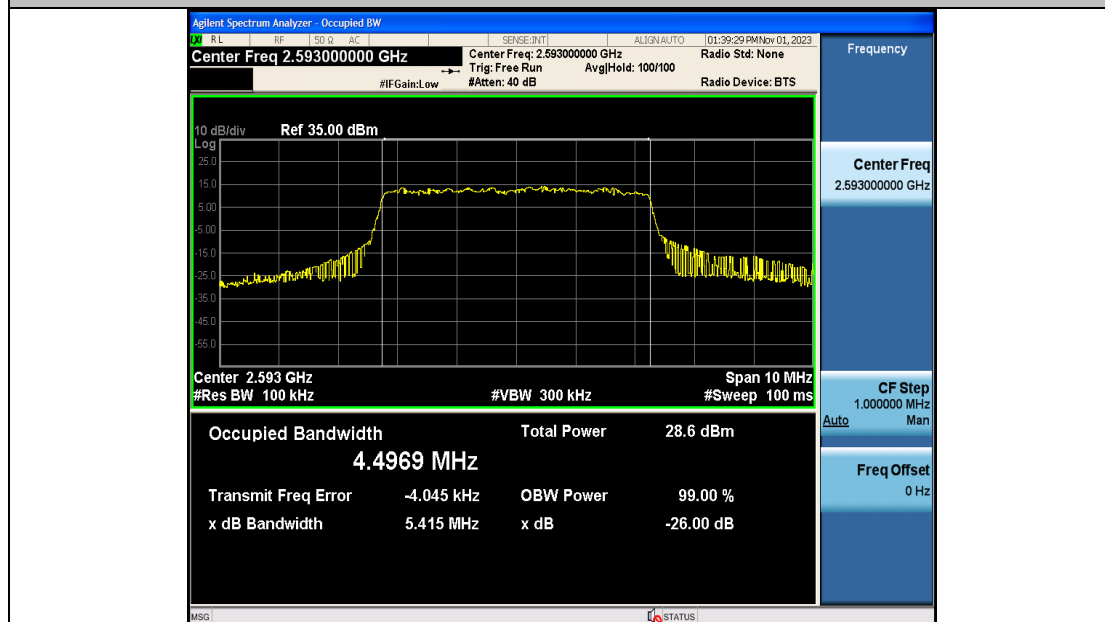
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5117	5.383	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.4988	5.441	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.5029	5.246	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4969	5.415	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.5070	5.133	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4923	5.345	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9737	12.01	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9456	10.19	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9803	10.15	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9511	10.10	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9693	10.09	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9543	10.01	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.463	15.05	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.425	14.82	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.463	14.75	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.446	14.87	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.446	14.63	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.434	14.92	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.873	19.28	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.874	19.78	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.899	19.37	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.881	19.38	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.911	19.37	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.902	19.58	PASS

Test Graphs

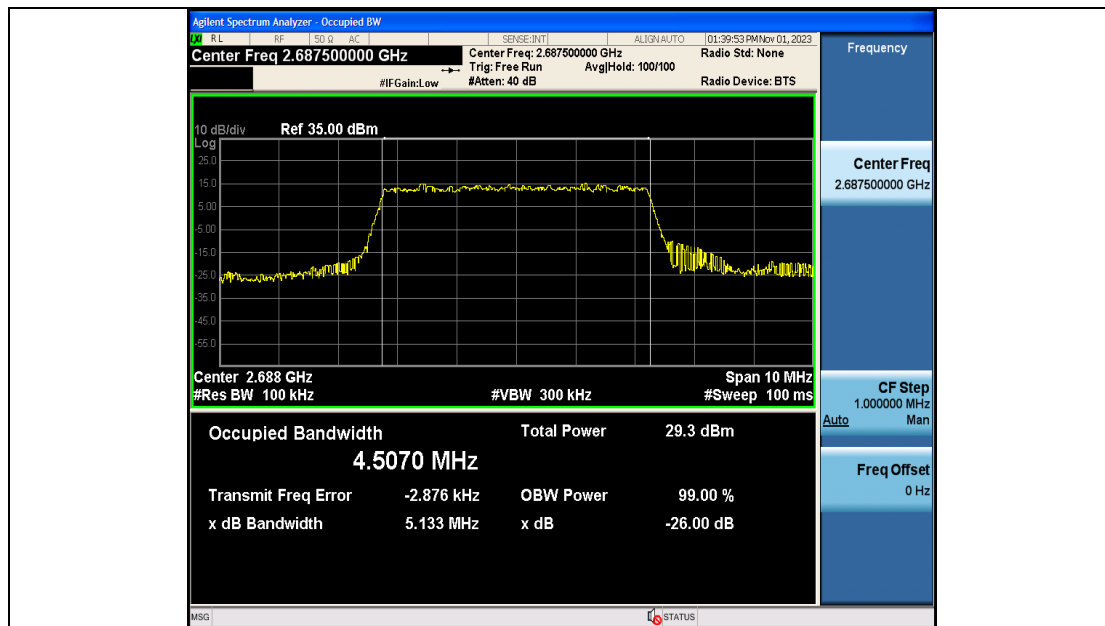




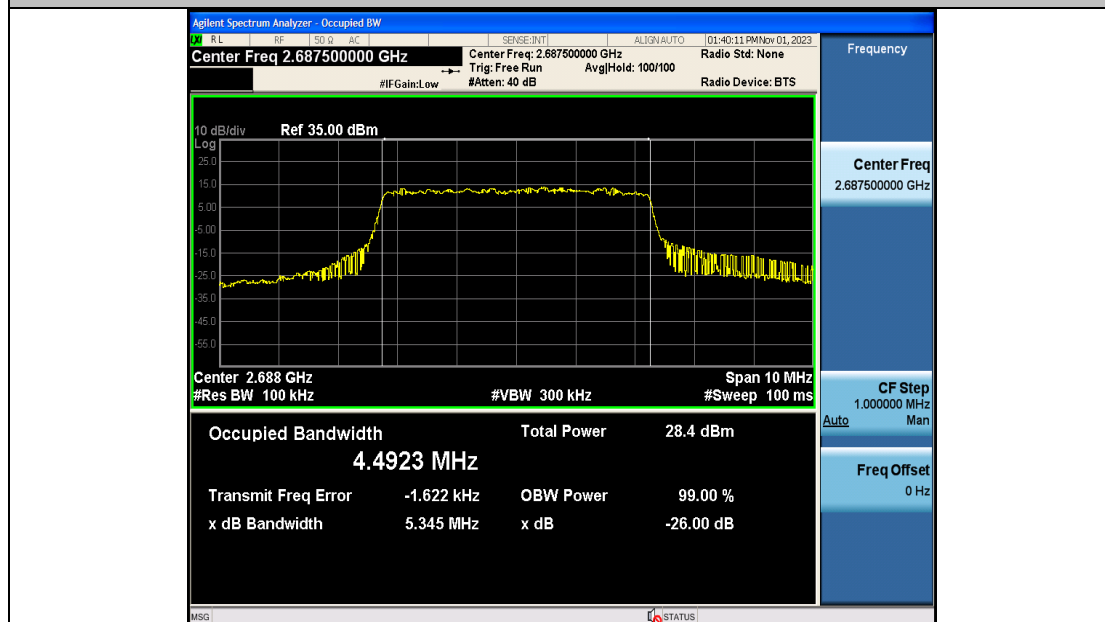
Band41-5MHz-QPSK-40620-25RB#0-PASS



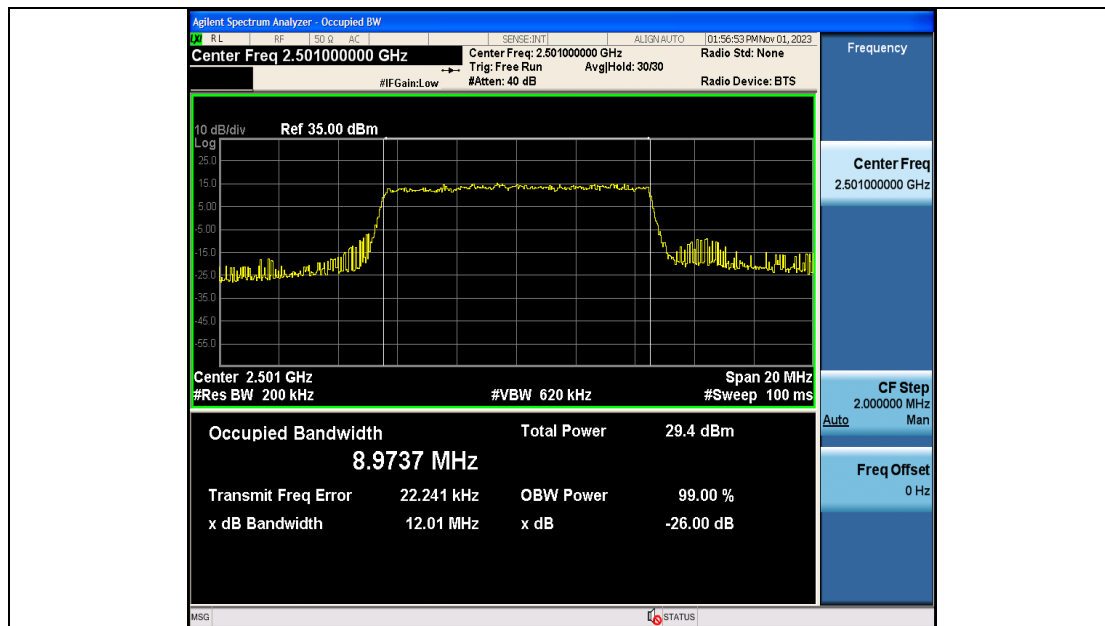
Band41-5MHz-16QAM-40620-25RB#0-PASS



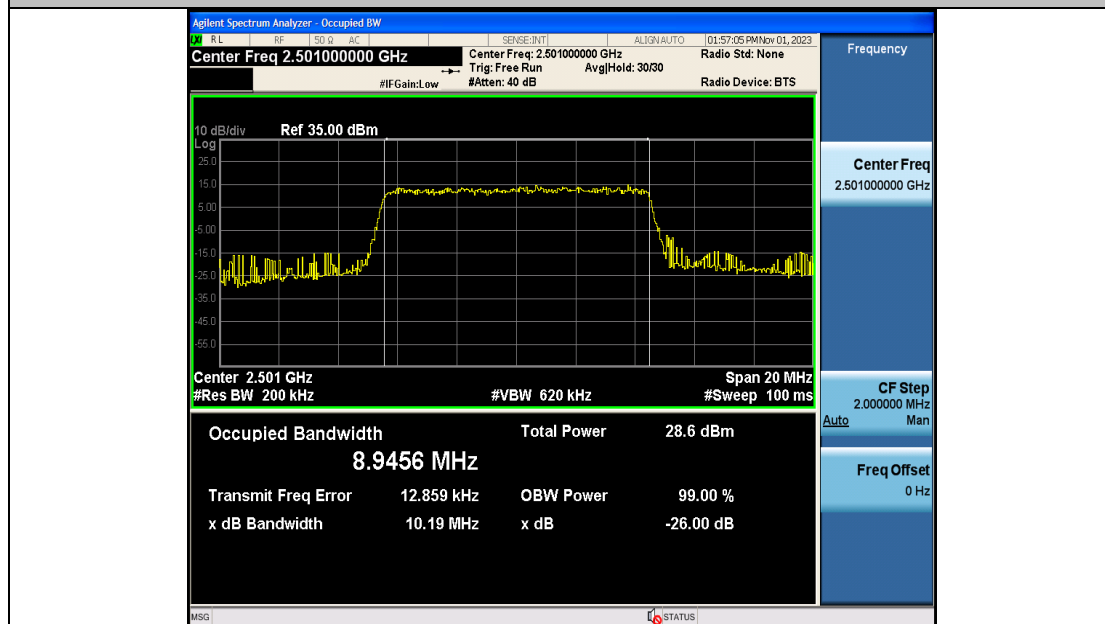
Band41-5MHz-QPSK-41565-25RB#0-PASS



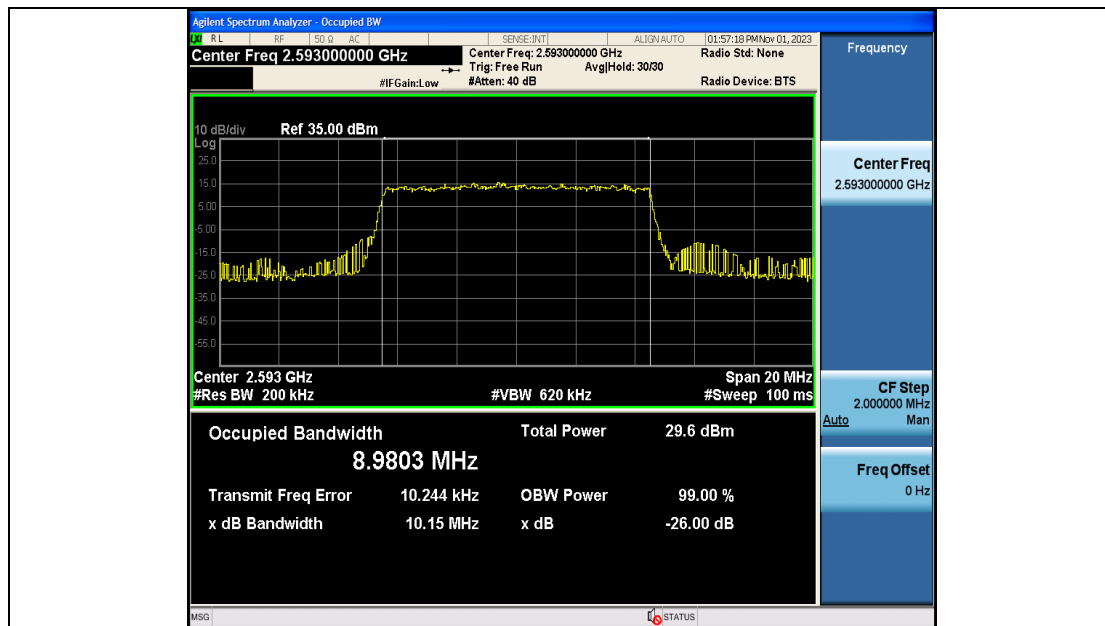
Band41-5MHz-16QAM-41565-25RB#0-PASS



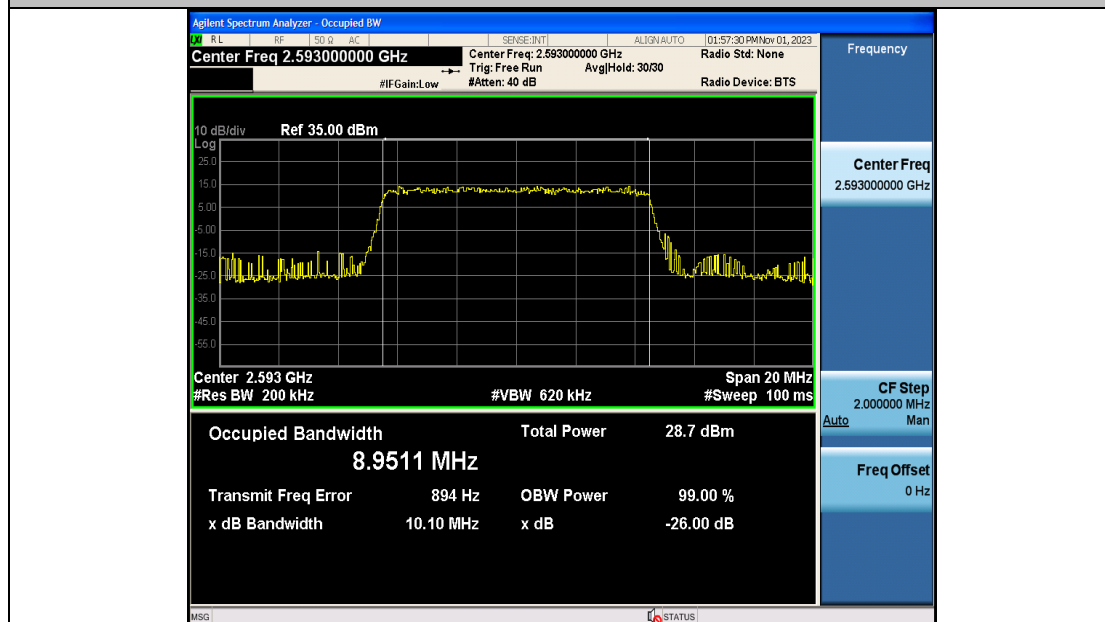
Band41-10MHz-QPSK-39700-50RB#0-PASS



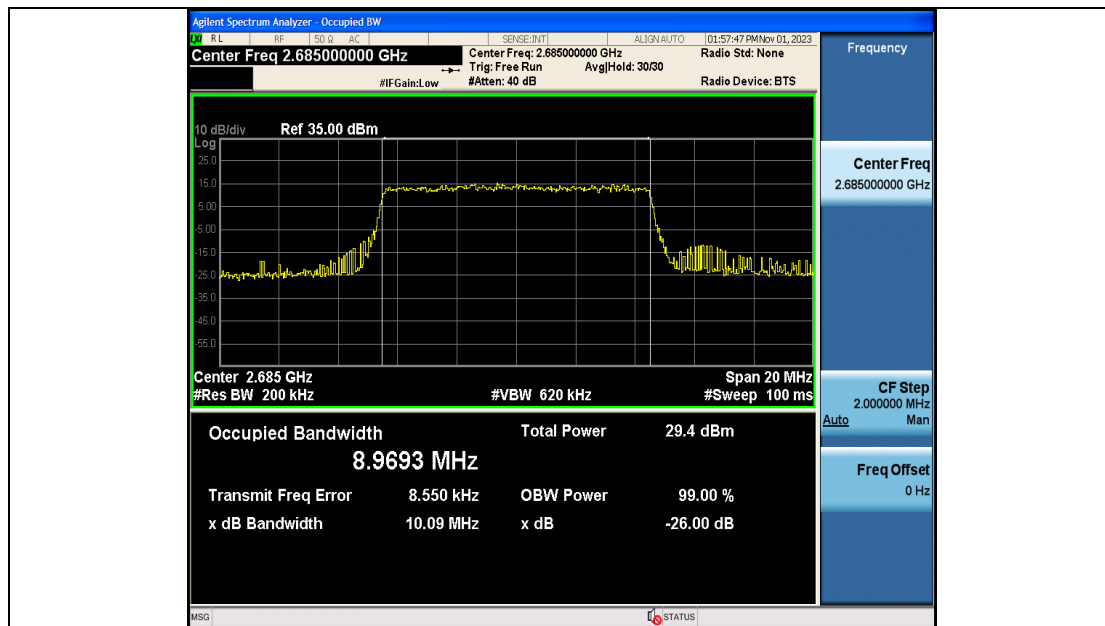
Band41-10MHz-16QAM-39700-50RB#0-PASS



Band41-10MHz-QPSK-40620-50RB#0-PASS



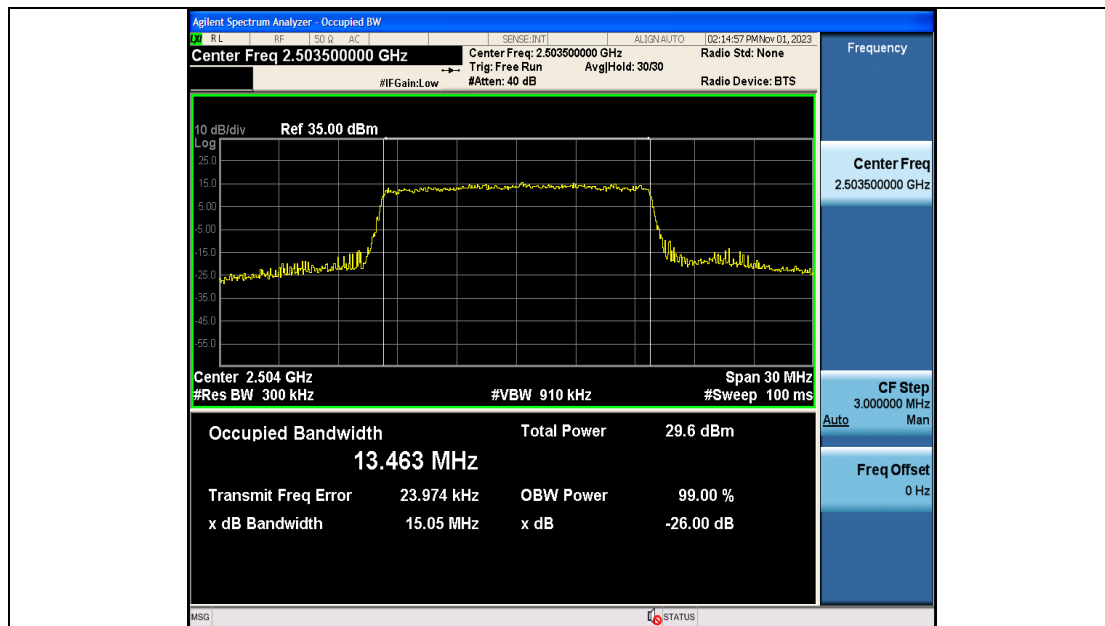
Band41-10MHz-16QAM-40620-50RB#0-PASS



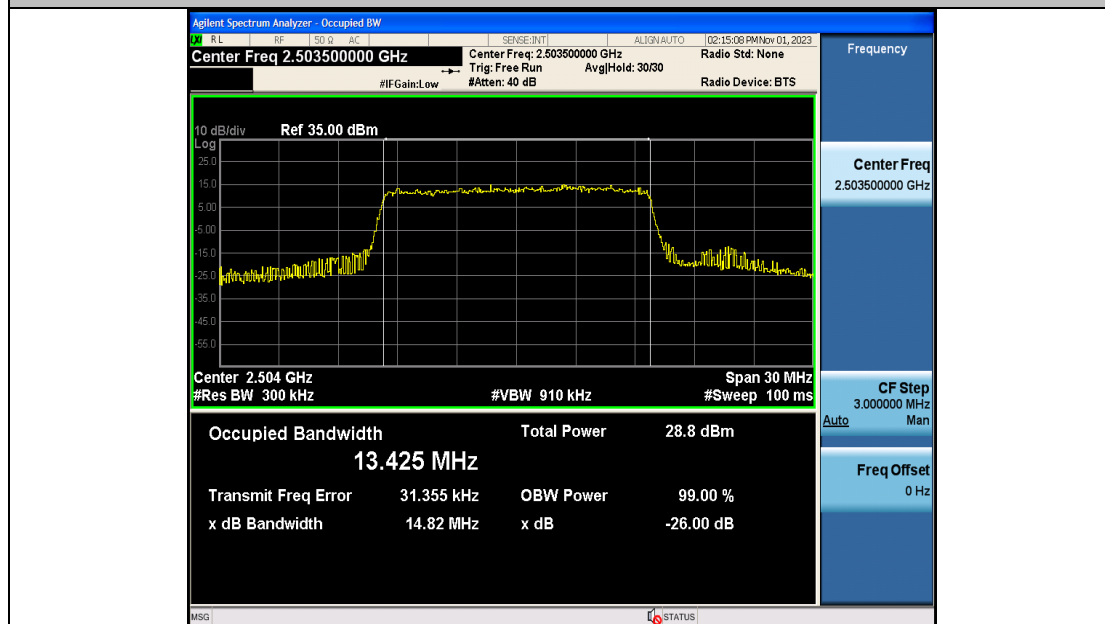
Band41-10MHz-QPSK-41540-50RB#0-PASS



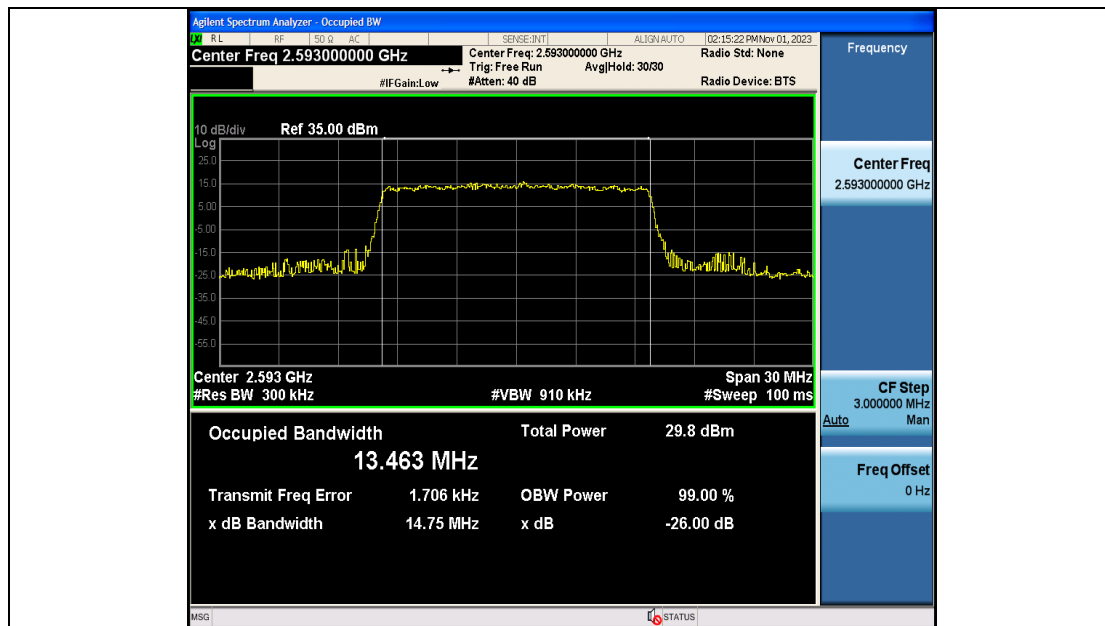
Band41-10MHz-16QAM-41540-50RB#0-PASS



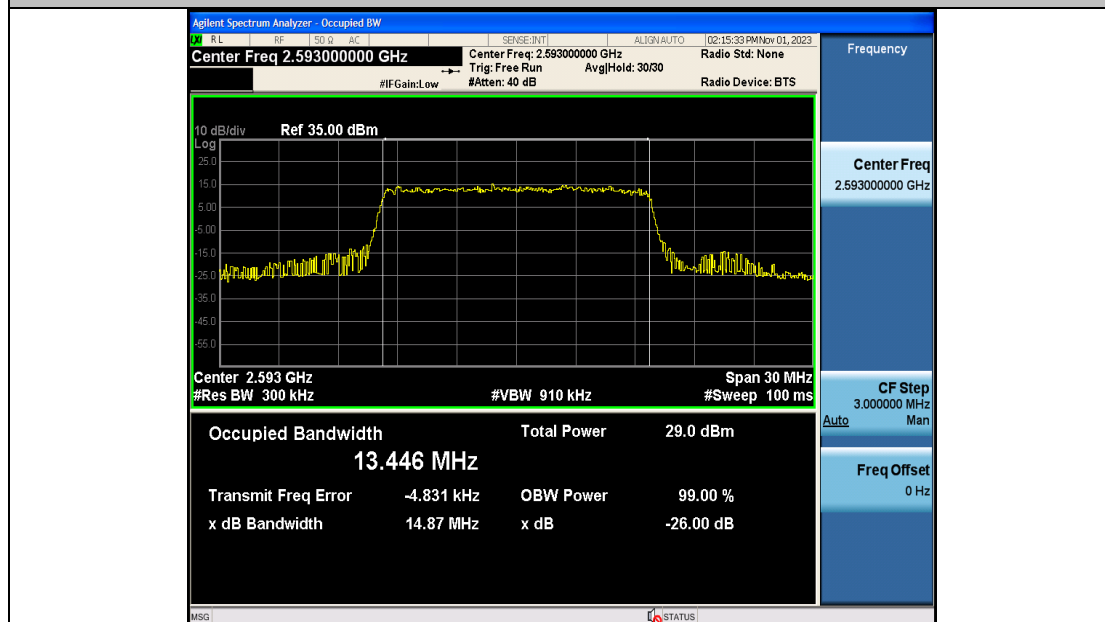
Band41-15MHz-QPSK-39725-75RB#0-PASS



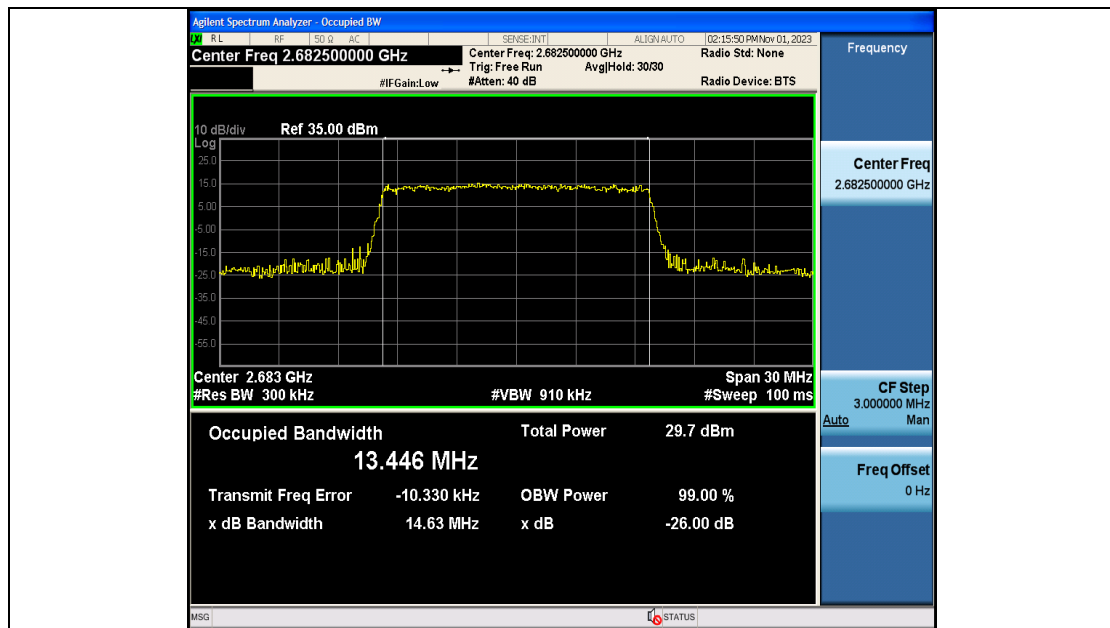
Band41-15MHz-16QAM-39725-75RB#0-PASS



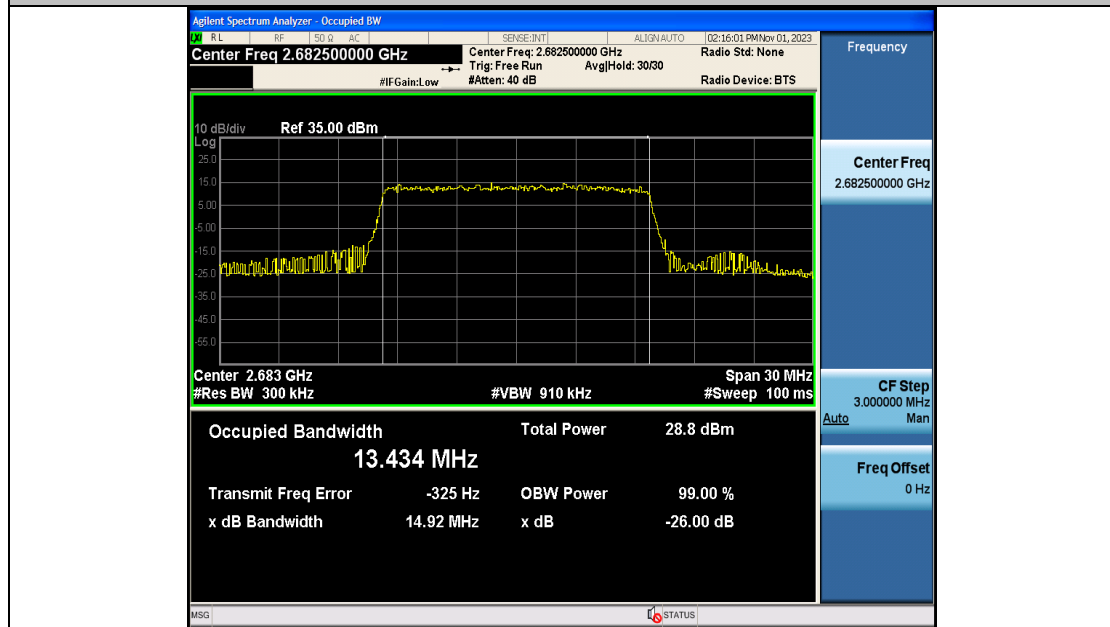
Band41-15MHz-QPSK-40620-75RB#0-PASS



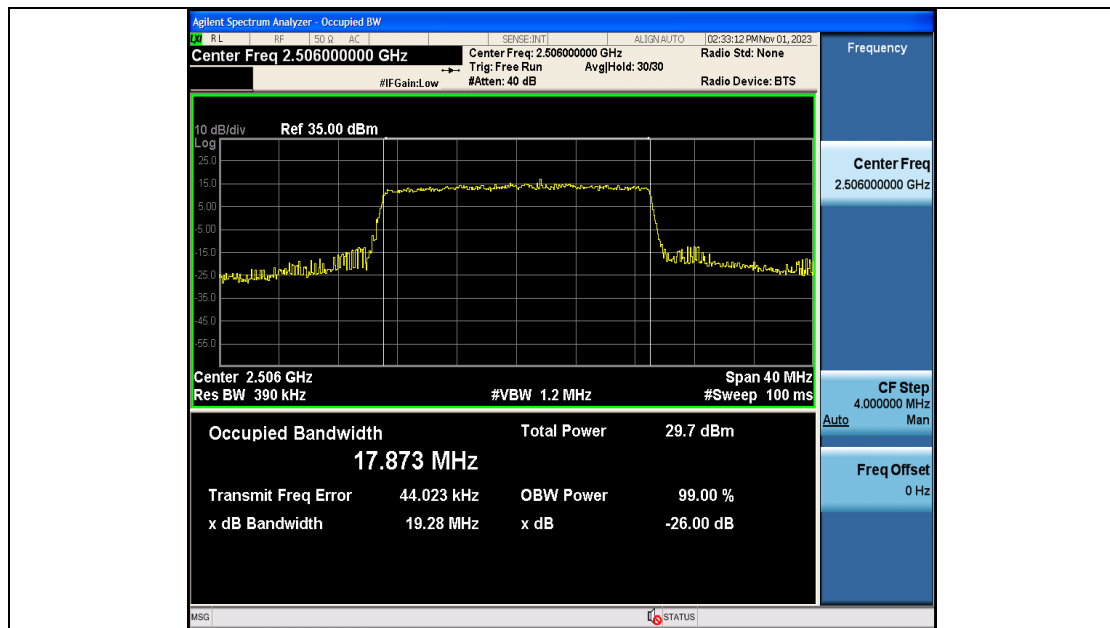
Band41-15MHz-16QAM-40620-75RB#0-PASS



Band41-15MHz-QPSK-41515-75RB#0-PASS



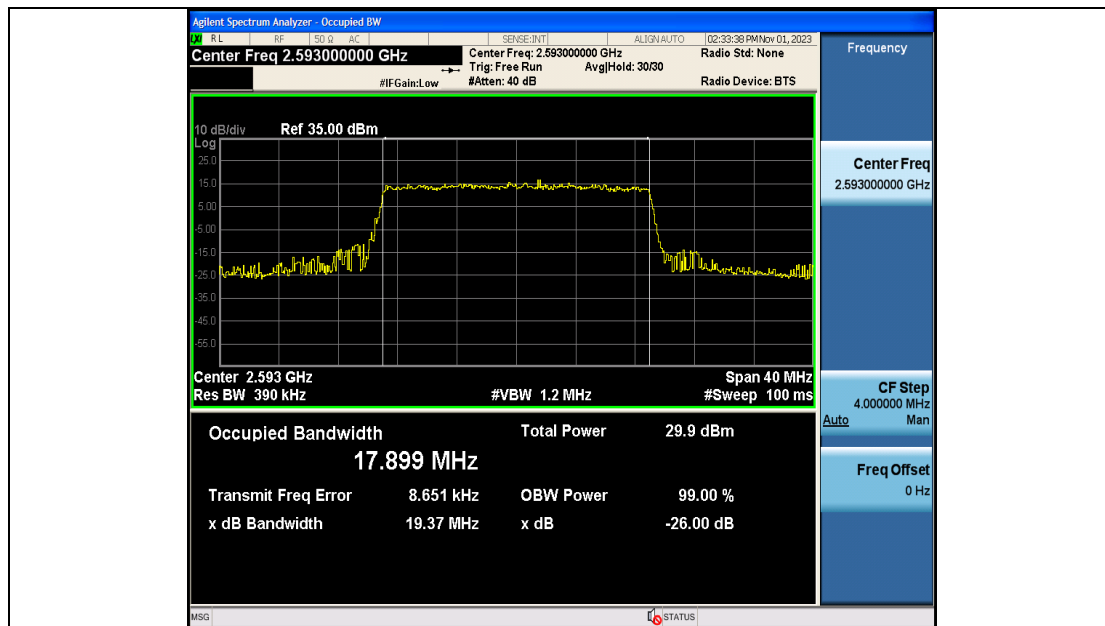
Band41-15MHz-16QAM-41515-75RB#0-PASS



Band41-20MHz-QPSK-39750-100RB#0-PASS



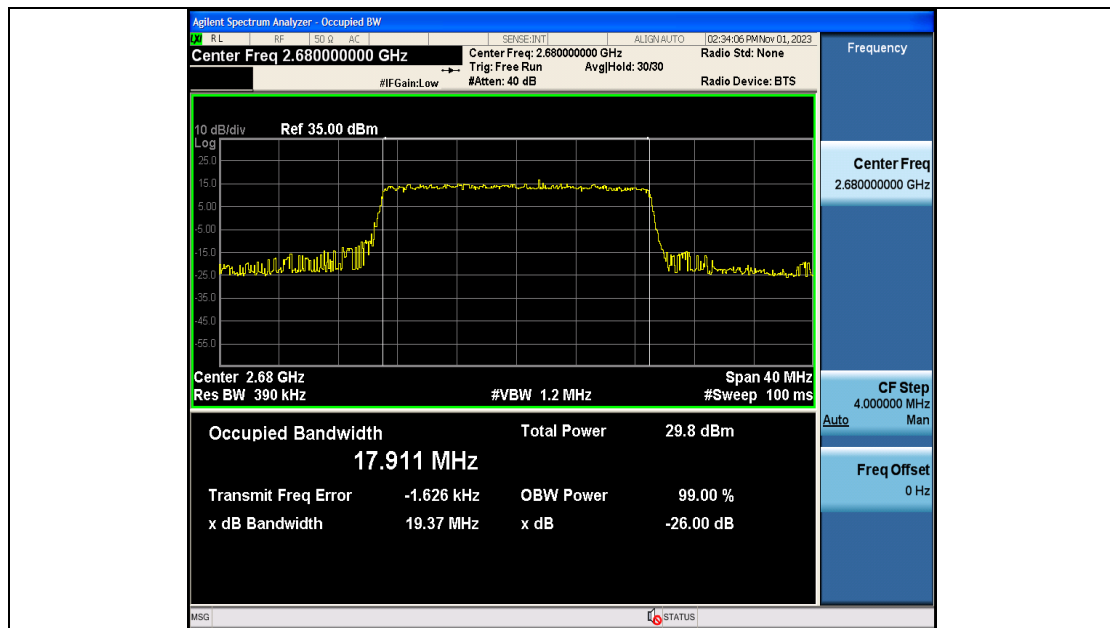
Band41-20MHz-16QAM-39750-100RB#0-PASS



Band41-20MHz-QPSK-40620-100RB#0-PASS



Band41-20MHz-16QAM-40620-100RB#0-PASS



Band41-20MHz-QPSK-41490-100RB#0-PASS



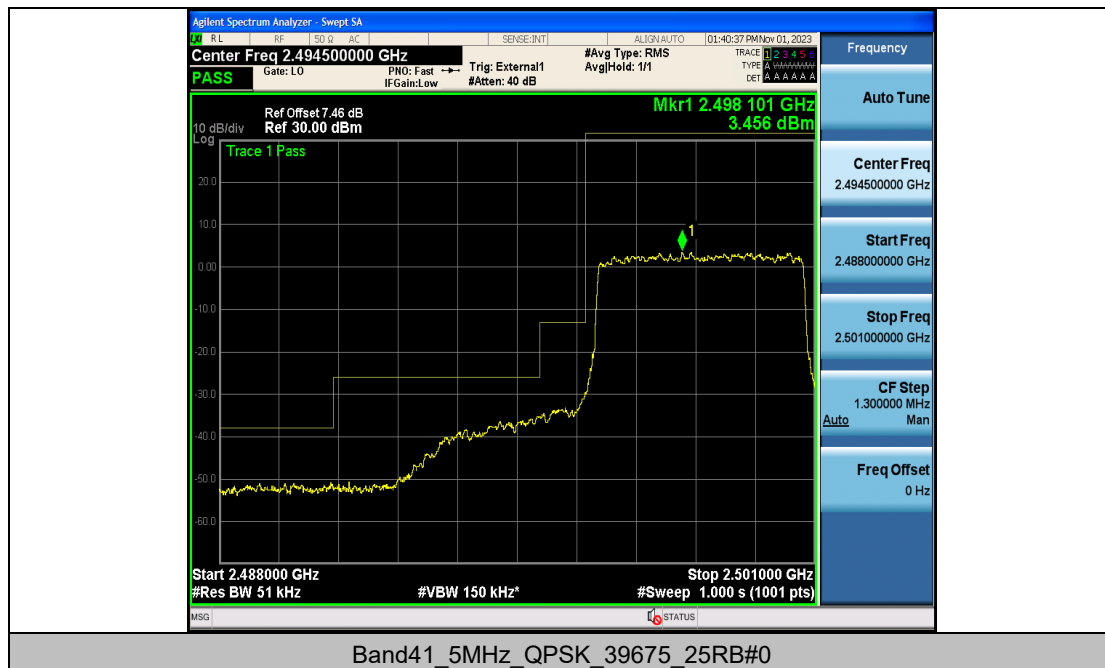
Band41-20MHz-16QAM-41490-100RB#0-PASS

Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band41	5MHz	QPSK	39675	25RB#0	PASS
Band41	5MHz	16QAM	39675	25RB#0	PASS
Band41	5MHz	QPSK	41565	25RB#0	PASS
Band41	5MHz	16QAM	41565	25RB#0	PASS
Band41	10MHz	QPSK	39700	50RB#0	PASS
Band41	10MHz	16QAM	39700	50RB#0	PASS
Band41	10MHz	QPSK	41540	50RB#0	PASS
Band41	10MHz	16QAM	41540	50RB#0	PASS
Band41	15MHz	QPSK	39725	75RB#0	PASS
Band41	15MHz	16QAM	39725	75RB#0	PASS
Band41	15MHz	QPSK	41515	75RB#0	PASS
Band41	15MHz	16QAM	41515	75RB#0	PASS
Band41	20MHz	QPSK	39750	100RB#0	PASS
Band41	20MHz	16QAM	39750	100RB#0	PASS
Band41	20MHz	QPSK	41490	100RB#0	PASS
Band41	20MHz	16QAM	41490	100RB#0	PASS

Test Graphs





Band41_5MHz_16QAM_39675_25RB#0



Band41_5MHz_QPSK_41565_25RB#0



Band41_5MHz_16QAM_41565_25RB#0



Band41_10MHz_QPSK_39700_50RB#0



Band41_10MHz_16QAM_39700_50RB#0



Band41_10MHz_QPSK_41540_50RB#0



Band41_10MHz_16QAM_41540_50RB#0



Band41_15MHz_QPSK_39725_75RB#0



Band41_15MHz_16QAM_39725_75RB#0



Band41_15MHz_QPSK_41515_75RB#0



Band41_15MHz_16QAM_41515_75RB#0



Band41_20MHz_QPSK_39750_100RB#0



Band41_20MHz_16QAM_39750_100RB#0



Band41_20MHz_QPSK_41490_100RB#0



Appendix E: Conducted Spurious Emission

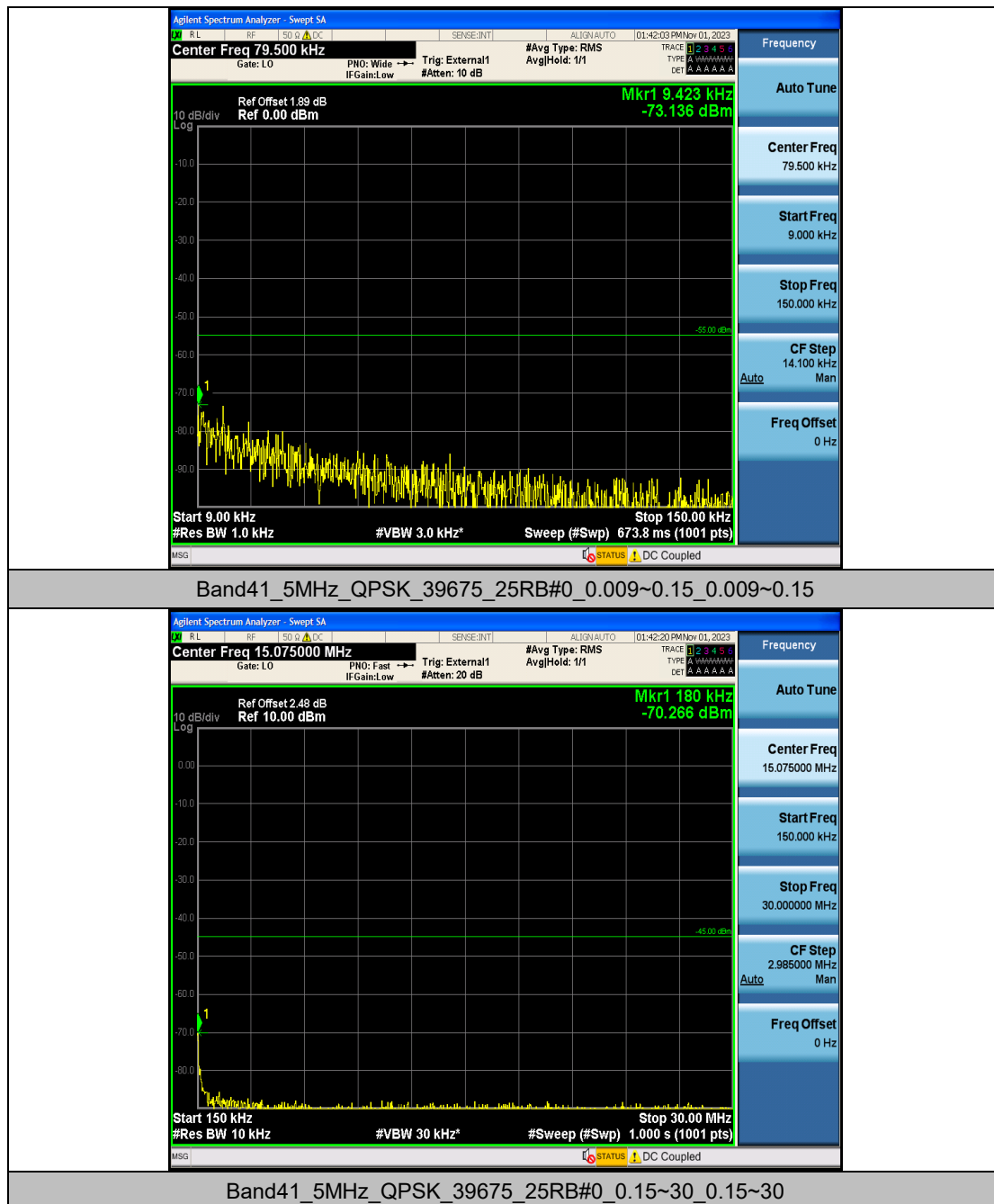
Test Result

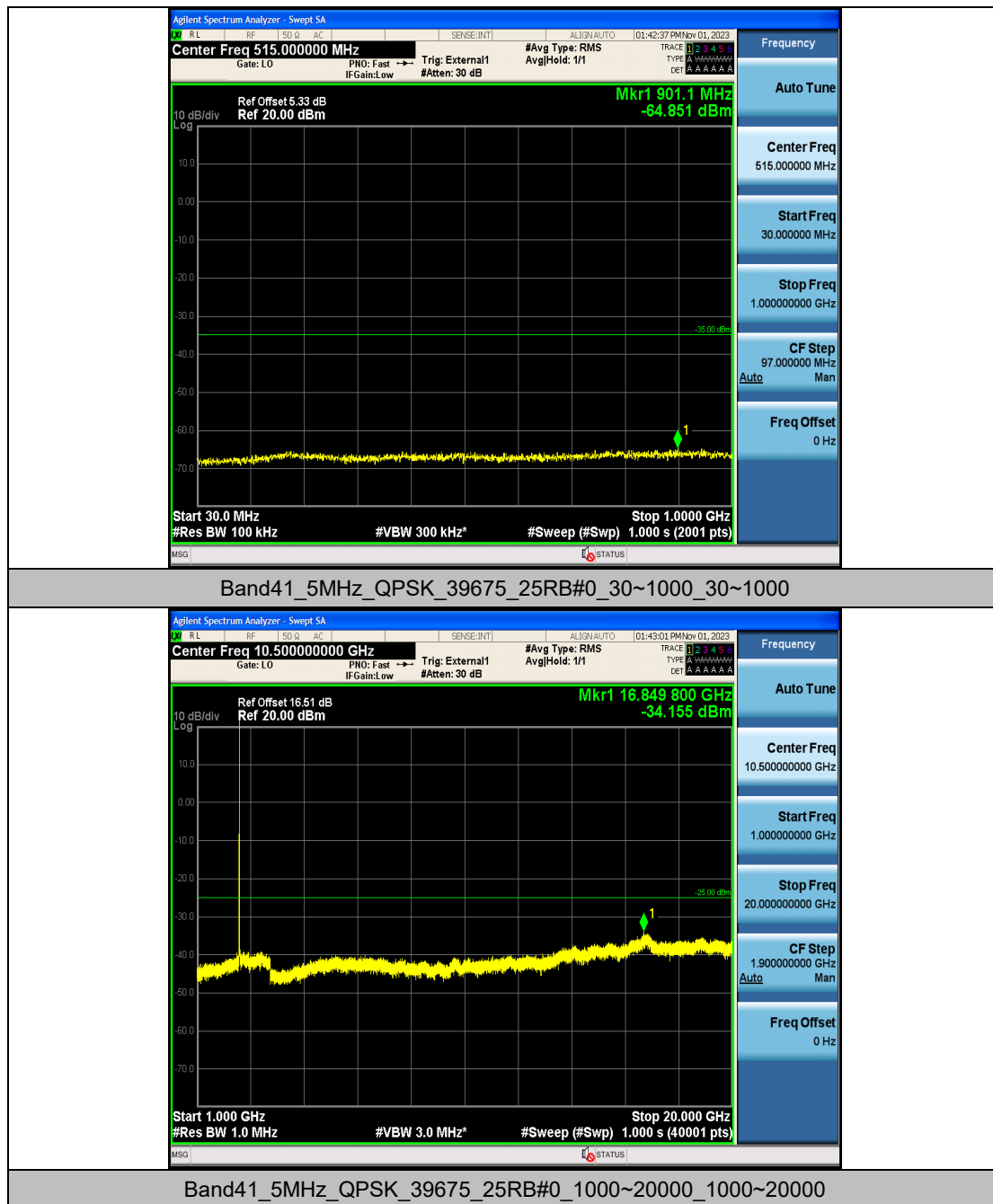
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	0.009~0.15	-73.14	PASS
Band41	5MHz	QPSK	39675	25RB#0	0.15~30	-70.27	PASS
Band41	5MHz	QPSK	39675	25RB#0	30~1000	-64.85	PASS
Band41	5MHz	QPSK	39675	25RB#0	1000~20000	-34.16	PASS
Band41	5MHz	QPSK	39675	25RB#0	20000~27000	-27.67	PASS
Band41	5MHz	16QAM	39675	25RB#0	0.009~0.15	-72.12	PASS
Band41	5MHz	16QAM	39675	25RB#0	0.15~30	-68.10	PASS
Band41	5MHz	16QAM	39675	25RB#0	30~1000	-64.79	PASS
Band41	5MHz	16QAM	39675	25RB#0	1000~20000	-33.90	PASS
Band41	5MHz	16QAM	39675	25RB#0	20000~27000	-27.67	PASS
Band41	5MHz	QPSK	40620	25RB#0	0.009~0.15	-73.41	PASS
Band41	5MHz	QPSK	40620	25RB#0	0.15~30	-66.55	PASS
Band41	5MHz	QPSK	40620	25RB#0	30~1000	-64.71	PASS
Band41	5MHz	QPSK	40620	25RB#0	1000~20000	-31.22	PASS
Band41	5MHz	QPSK	40620	25RB#0	20000~27000	-27.01	PASS
Band41	5MHz	16QAM	40620	25RB#0	0.009~0.15	-72.57	PASS
Band41	5MHz	16QAM	40620	25RB#0	0.15~30	-70.29	PASS
Band41	5MHz	16QAM	40620	25RB#0	30~1000	-64.95	PASS
Band41	5MHz	16QAM	40620	25RB#0	1000~20000	-31.37	PASS
Band41	5MHz	16QAM	40620	25RB#0	20000~27000	-27.93	PASS
Band41	5MHz	QPSK	41565	25RB#0	0.009~0.15	-71.84	PASS
Band41	5MHz	QPSK	41565	25RB#0	0.15~30	-68.12	PASS
Band41	5MHz	QPSK	41565	25RB#0	30~1000	-64.80	PASS
Band41	5MHz	QPSK	41565	25RB#0	1000~20000	-28.15	PASS
Band41	5MHz	QPSK	41565	25RB#0	20000~27000	-27.66	PASS
Band41	5MHz	16QAM	41565	25RB#0	0.009~0.15	-72.80	PASS
Band41	5MHz	16QAM	41565	25RB#0	0.15~30	-66.88	PASS
Band41	5MHz	16QAM	41565	25RB#0	30~1000	-64.94	PASS
Band41	5MHz	16QAM	41565	25RB#0	1000~20000	-29.84	PASS
Band41	5MHz	16QAM	41565	25RB#0	20000~27000	-27.97	PASS
Band41	10MHz	QPSK	39700	50RB#0	0.009~0.15	-75.50	PASS
Band41	10MHz	QPSK	39700	50RB#0	0.15~30	-64.80	PASS
Band41	10MHz	QPSK	39700	50RB#0	30~1000	-64.72	PASS
Band41	10MHz	QPSK	39700	50RB#0	1000~20000	-34.27	PASS
Band41	10MHz	QPSK	39700	50RB#0	20000~27000	-27.44	PASS
Band41	10MHz	16QAM	39700	50RB#0	0.009~0.15	-74.84	PASS

Band41	10MHz	16QAM	39700	50RB#0	0.15~30	-66.16	PASS
Band41	10MHz	16QAM	39700	50RB#0	30~1000	-64.60	PASS
Band41	10MHz	16QAM	39700	50RB#0	1000~20000	-34.44	PASS
Band41	10MHz	16QAM	39700	50RB#0	20000~27000	-27.79	PASS
Band41	10MHz	QPSK	40620	50RB#0	0.009~0.15	-72.81	PASS
Band41	10MHz	QPSK	40620	50RB#0	0.15~30	-63.92	PASS
Band41	10MHz	QPSK	40620	50RB#0	30~1000	-64.89	PASS
Band41	10MHz	QPSK	40620	50RB#0	1000~20000	-32.55	PASS
Band41	10MHz	QPSK	40620	50RB#0	20000~27000	-27.83	PASS
Band41	10MHz	16QAM	40620	50RB#0	0.009~0.15	-71.99	PASS
Band41	10MHz	16QAM	40620	50RB#0	0.15~30	-65.93	PASS
Band41	10MHz	16QAM	40620	50RB#0	30~1000	-64.90	PASS
Band41	10MHz	16QAM	40620	50RB#0	1000~20000	-33.96	PASS
Band41	10MHz	16QAM	40620	50RB#0	20000~27000	-28.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	0.009~0.15	-73.68	PASS
Band41	10MHz	QPSK	41540	50RB#0	0.15~30	-65.36	PASS
Band41	10MHz	QPSK	41540	50RB#0	30~1000	-64.64	PASS
Band41	10MHz	QPSK	41540	50RB#0	1000~20000	-30.74	PASS
Band41	10MHz	QPSK	41540	50RB#0	20000~27000	-27.72	PASS
Band41	10MHz	16QAM	41540	50RB#0	0.009~0.15	-73.10	PASS
Band41	10MHz	16QAM	41540	50RB#0	0.15~30	-65.60	PASS
Band41	10MHz	16QAM	41540	50RB#0	30~1000	-64.79	PASS
Band41	10MHz	16QAM	41540	50RB#0	1000~20000	-33.29	PASS
Band41	10MHz	16QAM	41540	50RB#0	20000~27000	-28.03	PASS
Band41	15MHz	QPSK	39725	75RB#0	0.009~0.15	-74.35	PASS
Band41	15MHz	QPSK	39725	75RB#0	0.15~30	-67.79	PASS
Band41	15MHz	QPSK	39725	75RB#0	30~1000	-64.77	PASS
Band41	15MHz	QPSK	39725	75RB#0	1000~20000	-34.13	PASS
Band41	15MHz	QPSK	39725	75RB#0	20000~27000	-27.79	PASS
Band41	15MHz	16QAM	39725	75RB#0	0.009~0.15	-72.86	PASS
Band41	15MHz	16QAM	39725	75RB#0	0.15~30	-69.03	PASS
Band41	15MHz	16QAM	39725	75RB#0	30~1000	-64.95	PASS
Band41	15MHz	16QAM	39725	75RB#0	1000~20000	-34.27	PASS
Band41	15MHz	16QAM	39725	75RB#0	20000~27000	-27.68	PASS
Band41	15MHz	QPSK	40620	75RB#0	0.009~0.15	-73.84	PASS
Band41	15MHz	QPSK	40620	75RB#0	0.15~30	-68.54	PASS
Band41	15MHz	QPSK	40620	75RB#0	30~1000	-64.59	PASS
Band41	15MHz	QPSK	40620	75RB#0	1000~20000	-31.37	PASS
Band41	15MHz	QPSK	40620	75RB#0	20000~27000	-27.85	PASS
Band41	15MHz	16QAM	40620	75RB#0	0.009~0.15	-72.51	PASS
Band41	15MHz	16QAM	40620	75RB#0	0.15~30	-66.02	PASS
Band41	15MHz	16QAM	40620	75RB#0	30~1000	-64.95	PASS
Band41	15MHz	16QAM	40620	75RB#0	1000~20000	-31.77	PASS

Band41	15MHz	16QAM	40620	75RB#0	20000~27000	-27.85	PASS
Band41	15MHz	QPSK	41515	75RB#0	0.009~0.15	-73.92	PASS
Band41	15MHz	QPSK	41515	75RB#0	0.15~30	-67.61	PASS
Band41	15MHz	QPSK	41515	75RB#0	30~1000	-64.71	PASS
Band41	15MHz	QPSK	41515	75RB#0	1000~20000	-29.22	PASS
Band41	15MHz	QPSK	41515	75RB#0	20000~27000	-27.96	PASS
Band41	15MHz	16QAM	41515	75RB#0	0.009~0.15	-73.14	PASS
Band41	15MHz	16QAM	41515	75RB#0	0.15~30	-67.15	PASS
Band41	15MHz	16QAM	41515	75RB#0	30~1000	-64.84	PASS
Band41	15MHz	16QAM	41515	75RB#0	1000~20000	-31.12	PASS
Band41	15MHz	16QAM	41515	75RB#0	20000~27000	-27.50	PASS
Band41	20MHz	QPSK	39750	100RB#0	0.009~0.15	-72.53	PASS
Band41	20MHz	QPSK	39750	100RB#0	0.15~30	-68.07	PASS
Band41	20MHz	QPSK	39750	100RB#0	30~1000	-64.93	PASS
Band41	20MHz	QPSK	39750	100RB#0	1000~20000	-34.21	PASS
Band41	20MHz	QPSK	39750	100RB#0	20000~27000	-27.65	PASS
Band41	20MHz	16QAM	39750	100RB#0	0.009~0.15	-73.29	PASS
Band41	20MHz	16QAM	39750	100RB#0	0.15~30	-64.71	PASS
Band41	20MHz	16QAM	39750	100RB#0	30~1000	-64.83	PASS
Band41	20MHz	16QAM	39750	100RB#0	1000~20000	-34.49	PASS
Band41	20MHz	16QAM	39750	100RB#0	20000~27000	-27.48	PASS
Band41	20MHz	QPSK	40620	100RB#0	0.009~0.15	-71.92	PASS
Band41	20MHz	QPSK	40620	100RB#0	0.15~30	-65.99	PASS
Band41	20MHz	QPSK	40620	100RB#0	30~1000	-64.89	PASS
Band41	20MHz	QPSK	40620	100RB#0	1000~20000	-32.01	PASS
Band41	20MHz	QPSK	40620	100RB#0	20000~27000	-27.88	PASS
Band41	20MHz	16QAM	40620	100RB#0	0.009~0.15	-72.19	PASS
Band41	20MHz	16QAM	40620	100RB#0	0.15~30	-66.05	PASS
Band41	20MHz	16QAM	40620	100RB#0	30~1000	-64.55	PASS
Band41	20MHz	16QAM	40620	100RB#0	1000~20000	-34.21	PASS
Band41	20MHz	16QAM	40620	100RB#0	20000~27000	-27.54	PASS
Band41	20MHz	QPSK	41490	100RB#0	0.009~0.15	-73.86	PASS
Band41	20MHz	QPSK	41490	100RB#0	0.15~30	-69.28	PASS
Band41	20MHz	QPSK	41490	100RB#0	30~1000	-65.06	PASS
Band41	20MHz	QPSK	41490	100RB#0	1000~20000	-33.16	PASS
Band41	20MHz	QPSK	41490	100RB#0	20000~27000	-27.79	PASS
Band41	20MHz	16QAM	41490	100RB#0	0.009~0.15	-74.07	PASS
Band41	20MHz	16QAM	41490	100RB#0	0.15~30	-68.52	PASS
Band41	20MHz	16QAM	41490	100RB#0	30~1000	-64.72	PASS
Band41	20MHz	16QAM	41490	100RB#0	1000~20000	-34.24	PASS
Band41	20MHz	16QAM	41490	100RB#0	20000~27000	-27.58	PASS

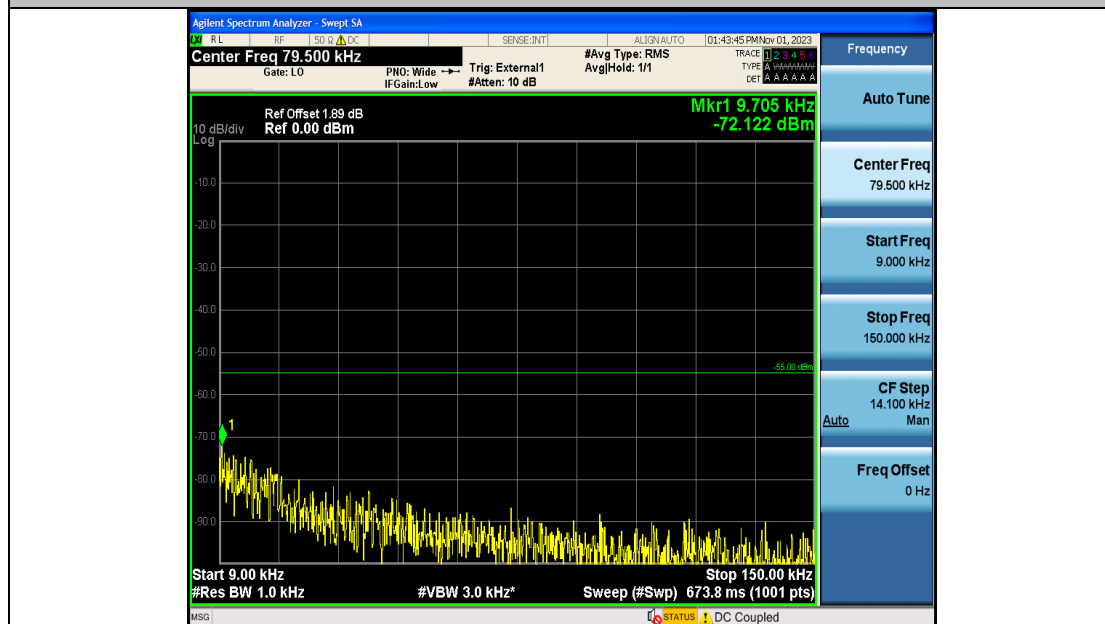
Test Graphs



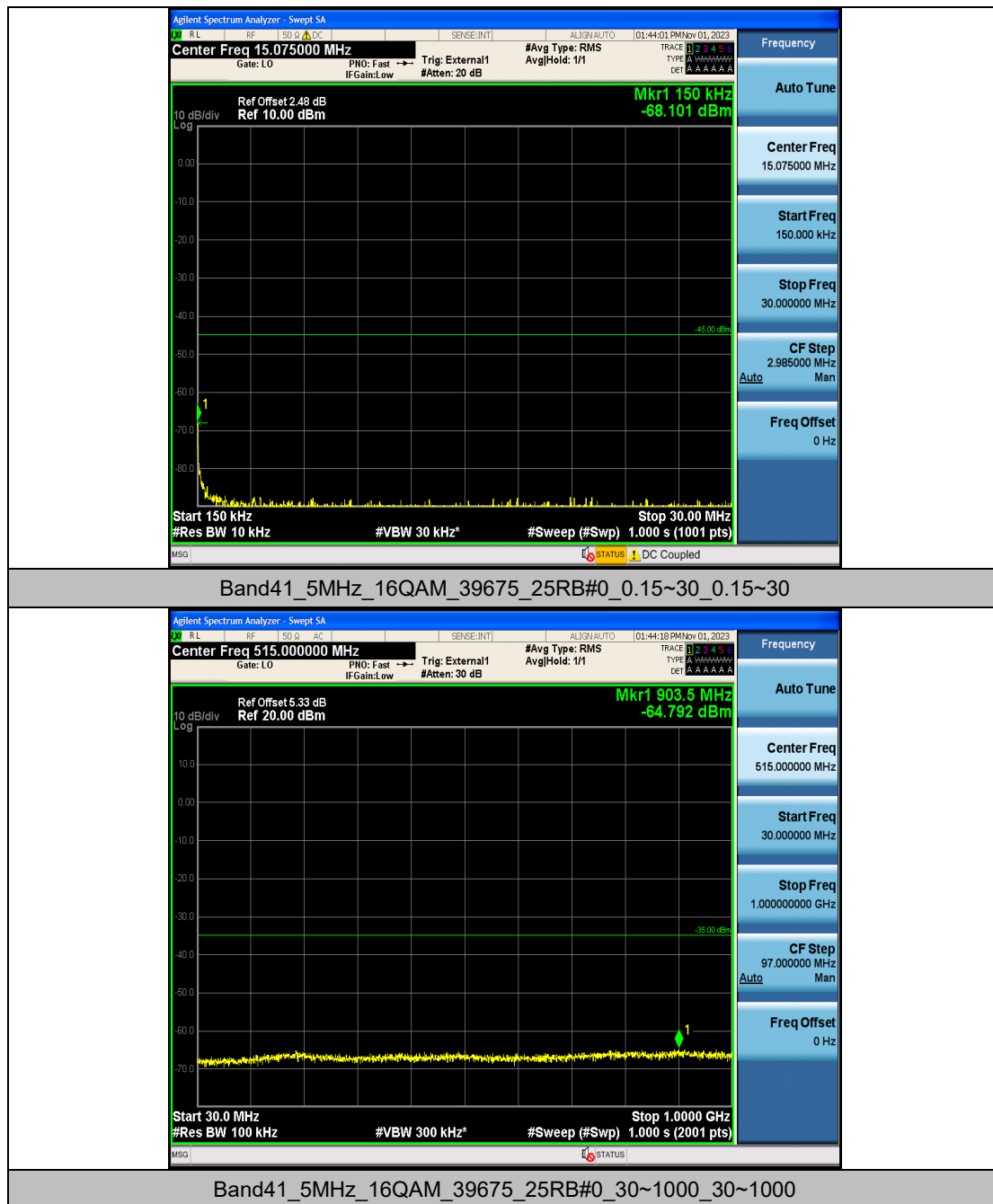


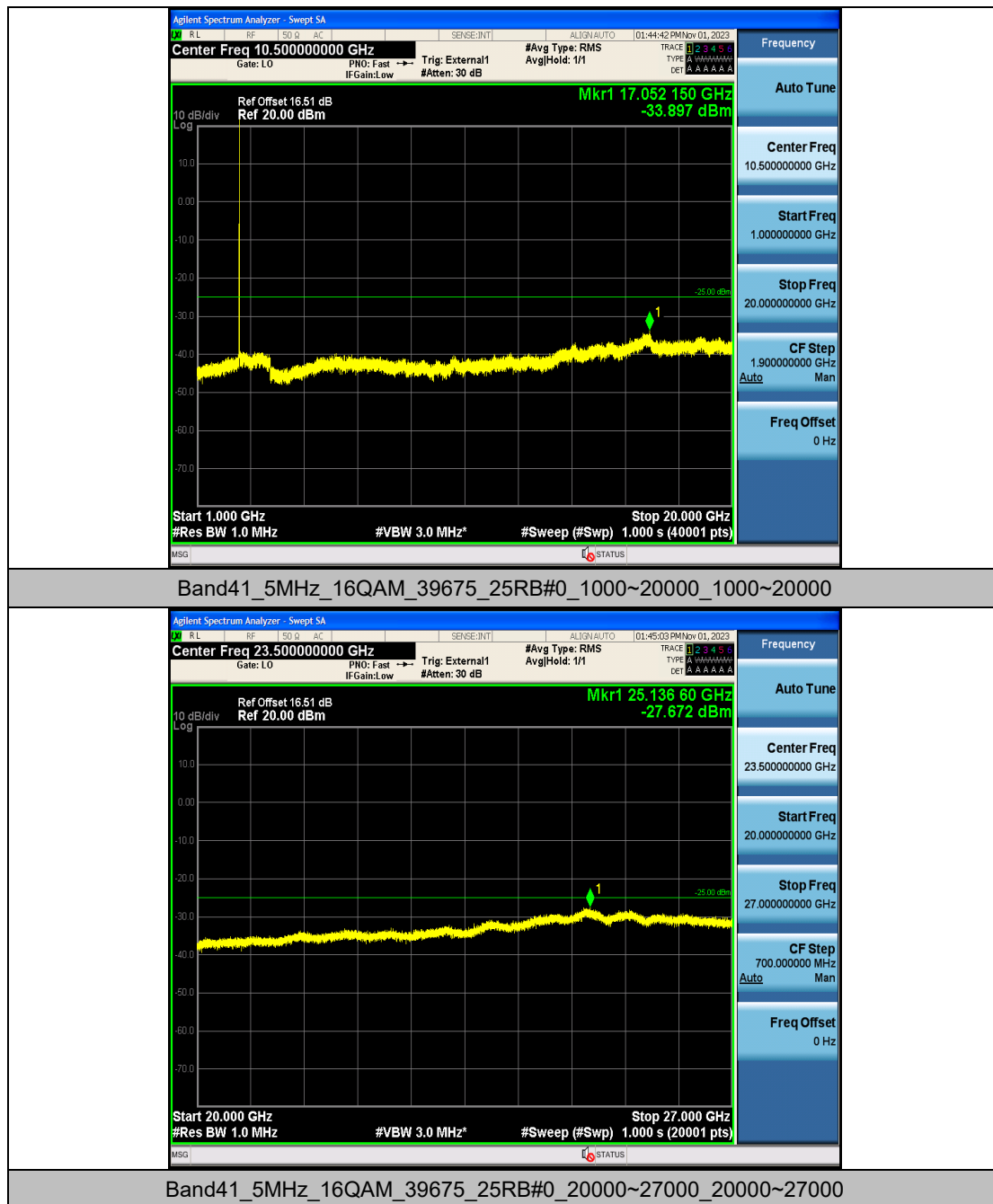


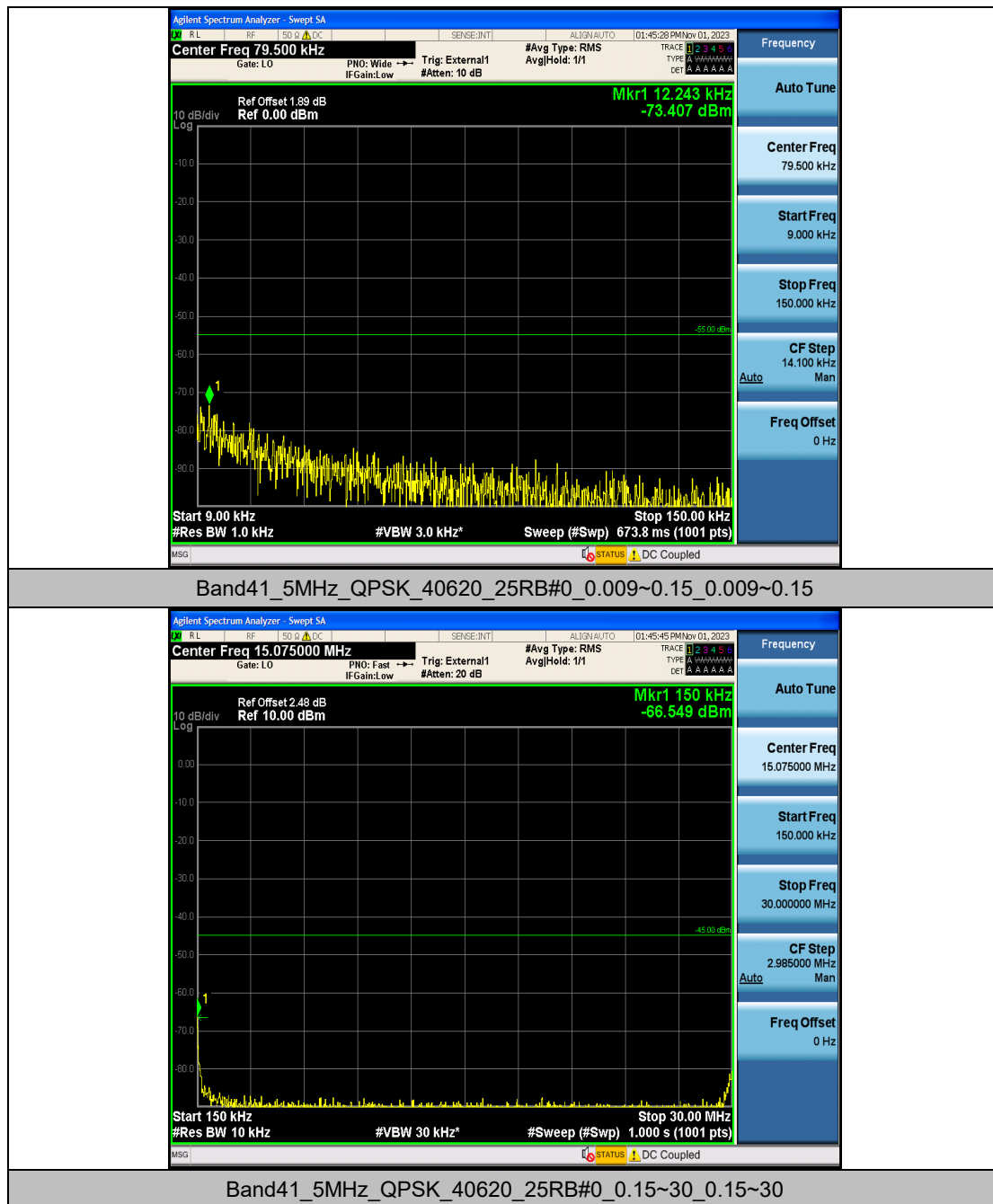
Band41_5MHz_QPSK_39675_25RB#0_20000~27000_20000~27000



Band41_5MHz_16QAM_39675_25RB#0_0.009~0.15_0.009~0.15





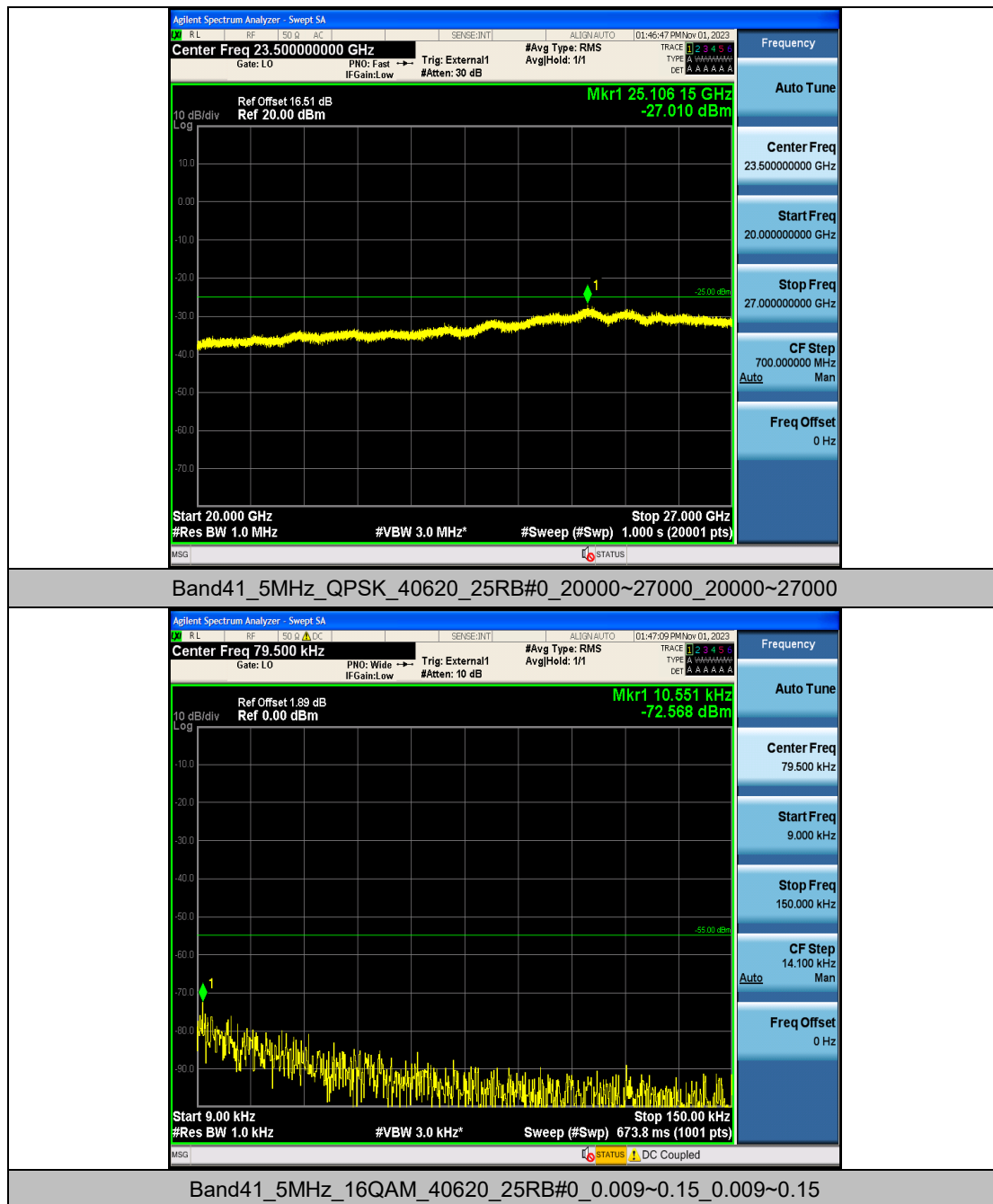


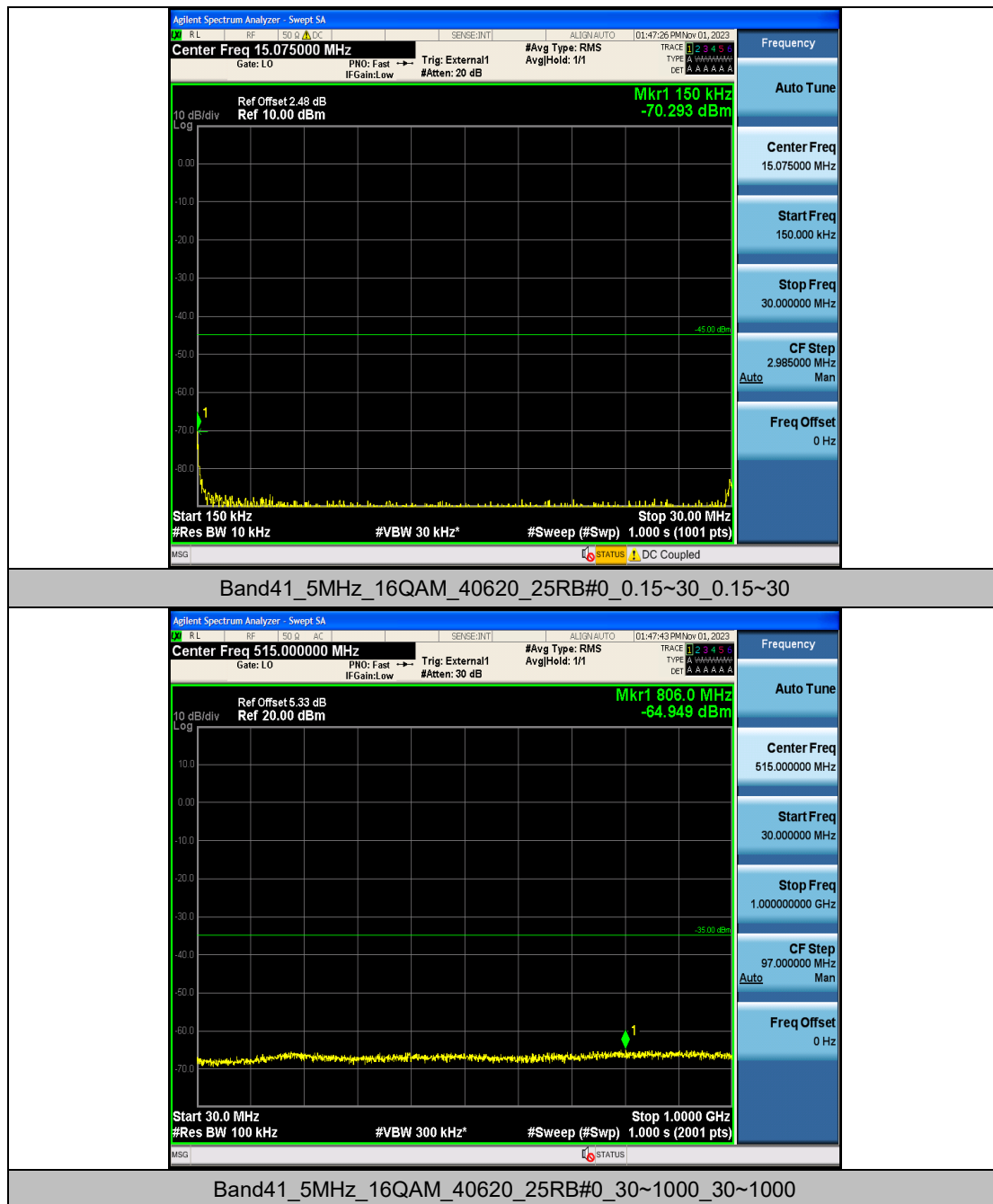


Band41_5MHz_QPSK_40620_25RB#0_30~1000_30~1000



Band41_5MHz_QPSK_40620_25RB#0_1000~20000_1000~20000



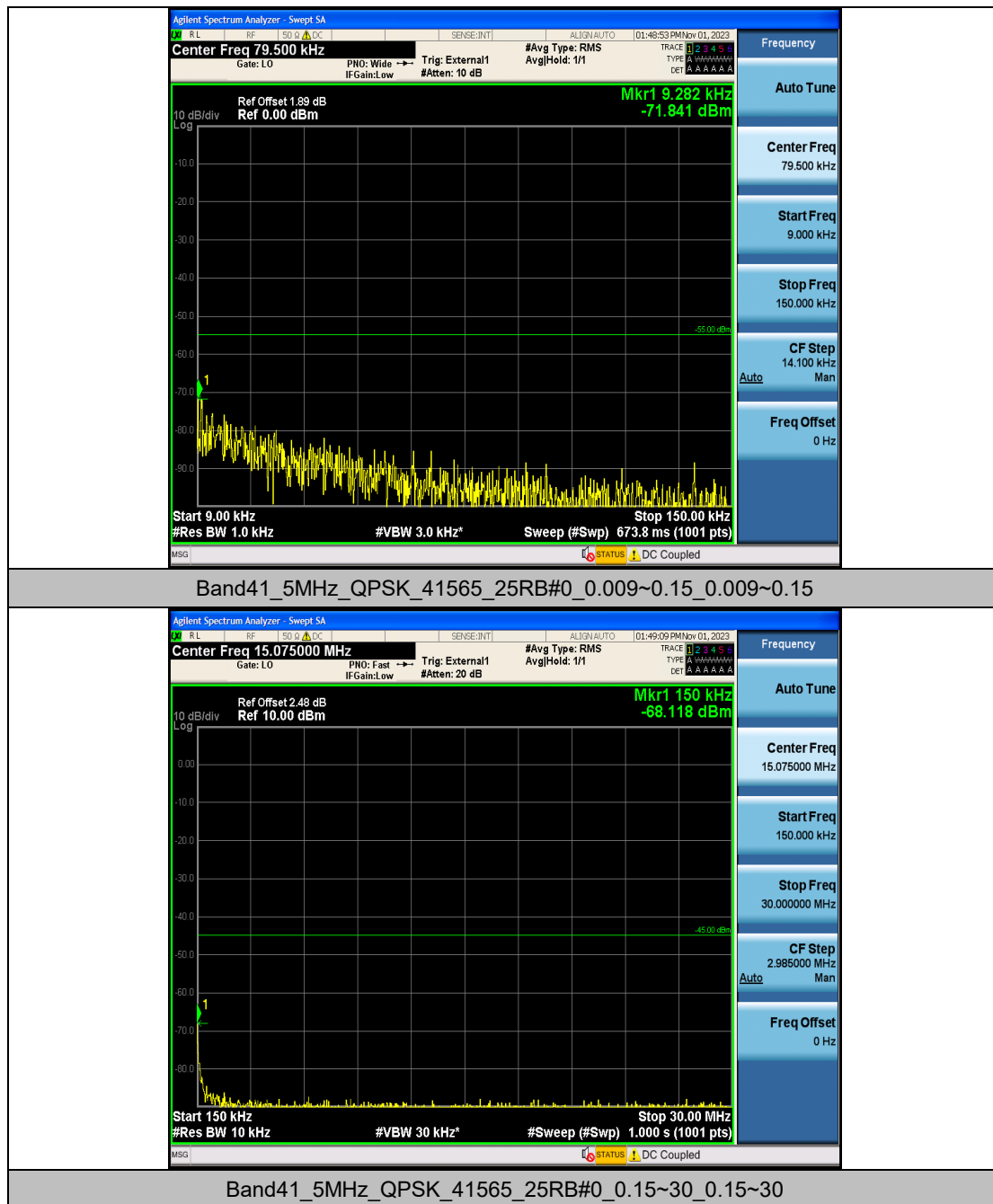


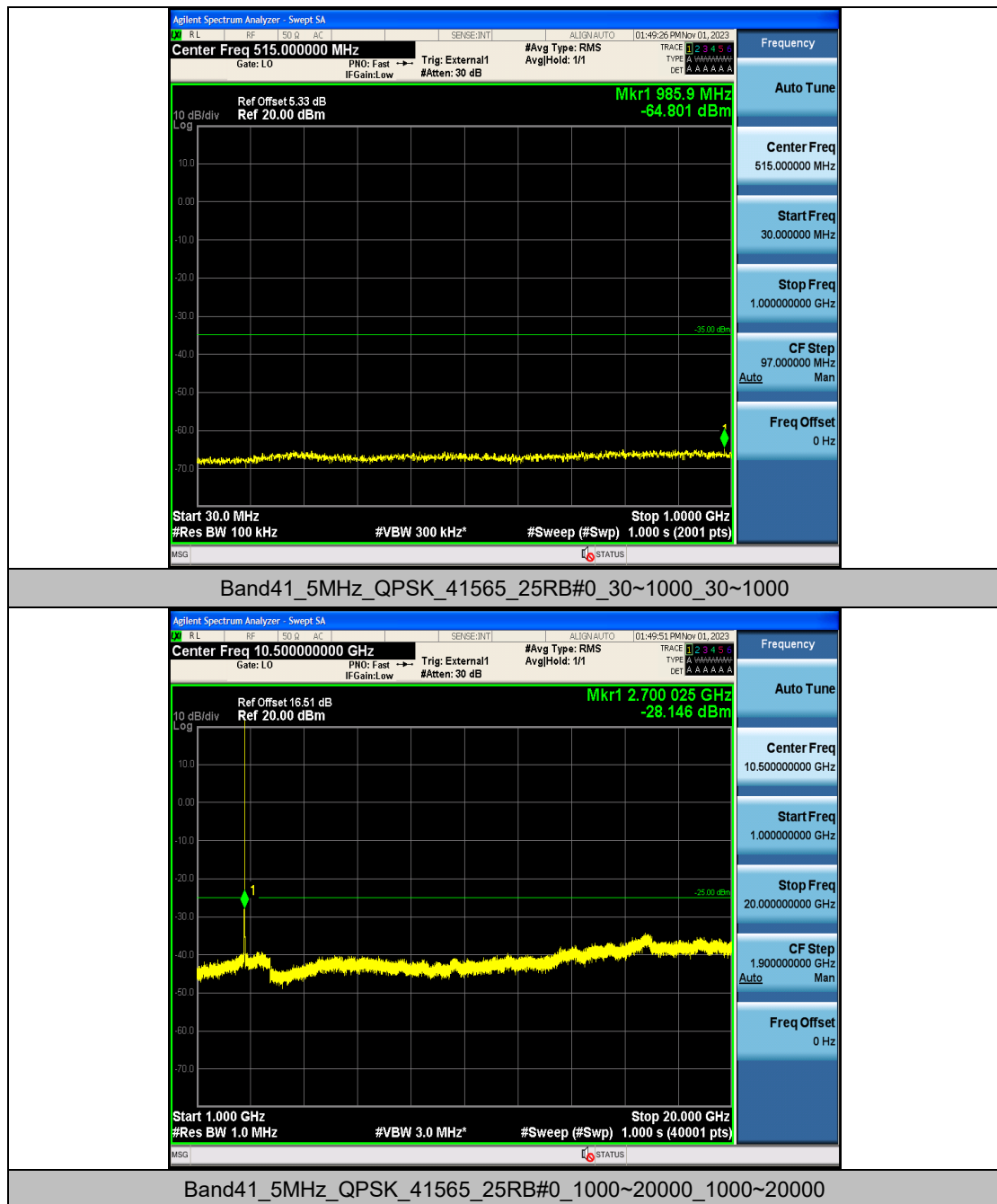


Band41_5MHz_16QAM_40620_25RB#0_1000~20000_1000~20000



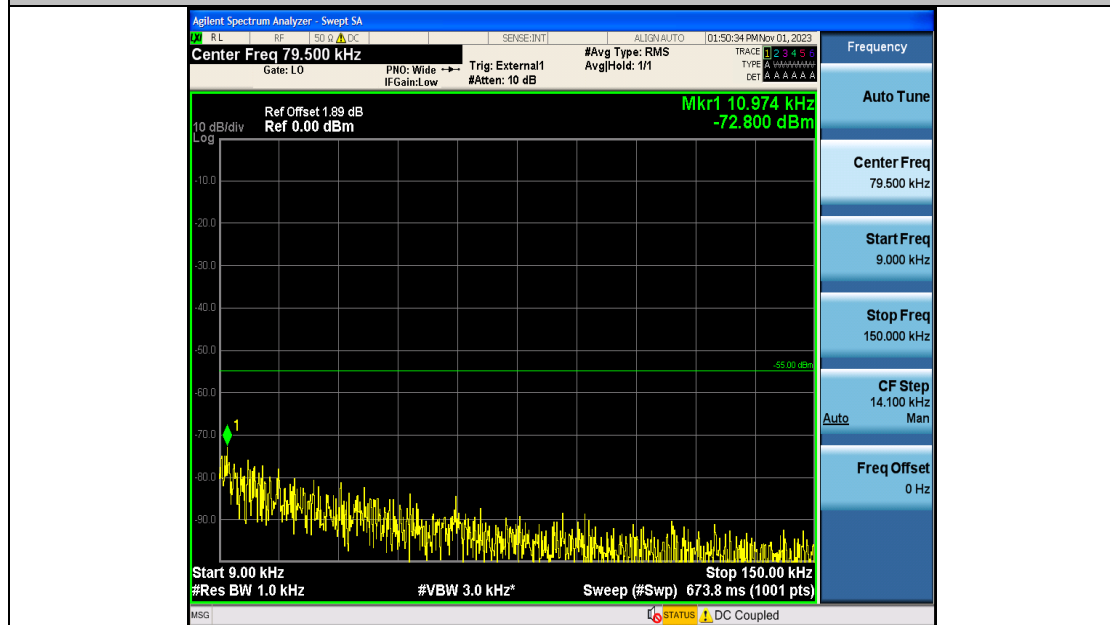
Band41_5MHz_16QAM_40620_25RB#0_20000~27000_20000~27000



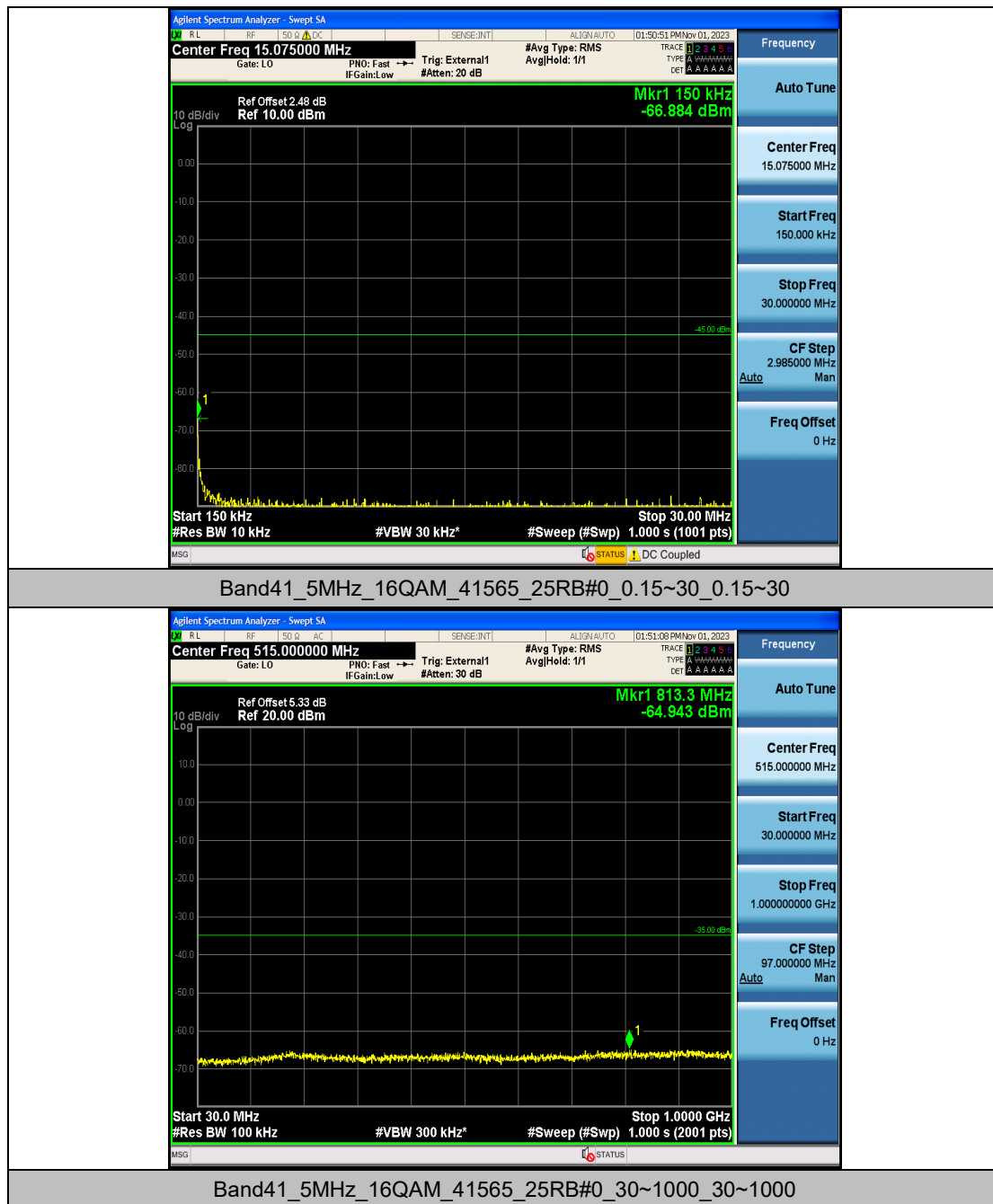


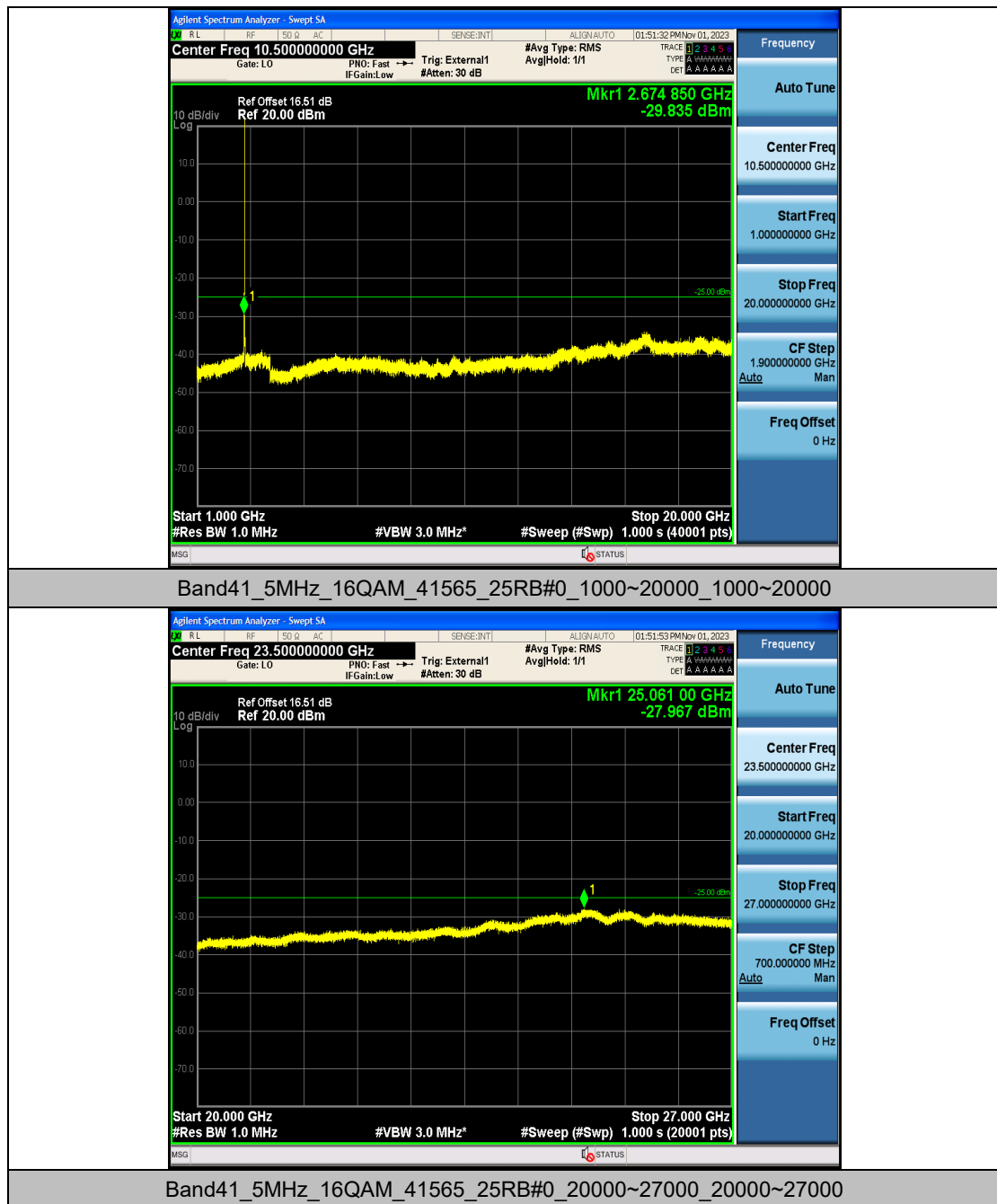


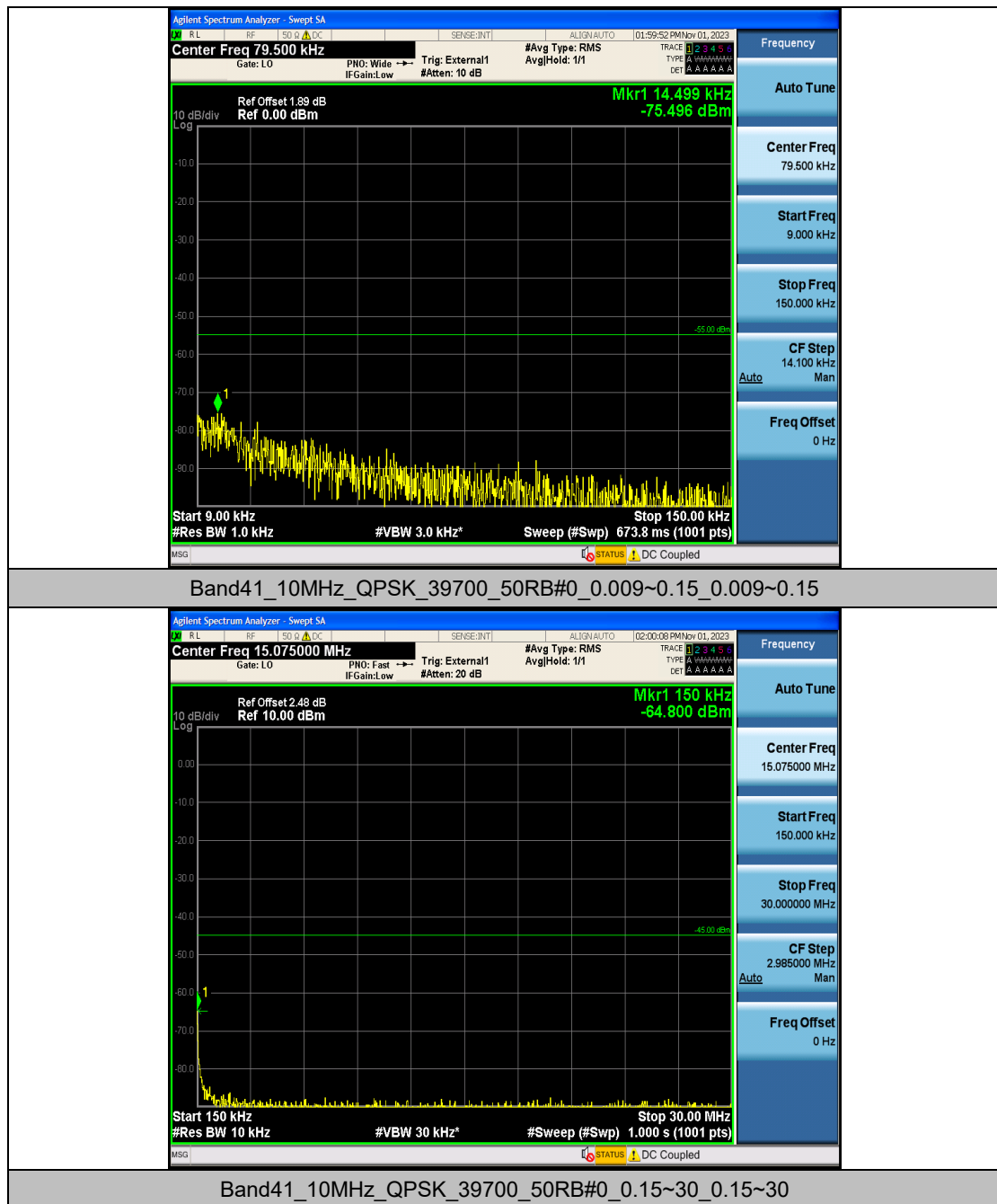
Band41_5MHz_QPSK_41565_25RB#0_20000~27000_20000~27000

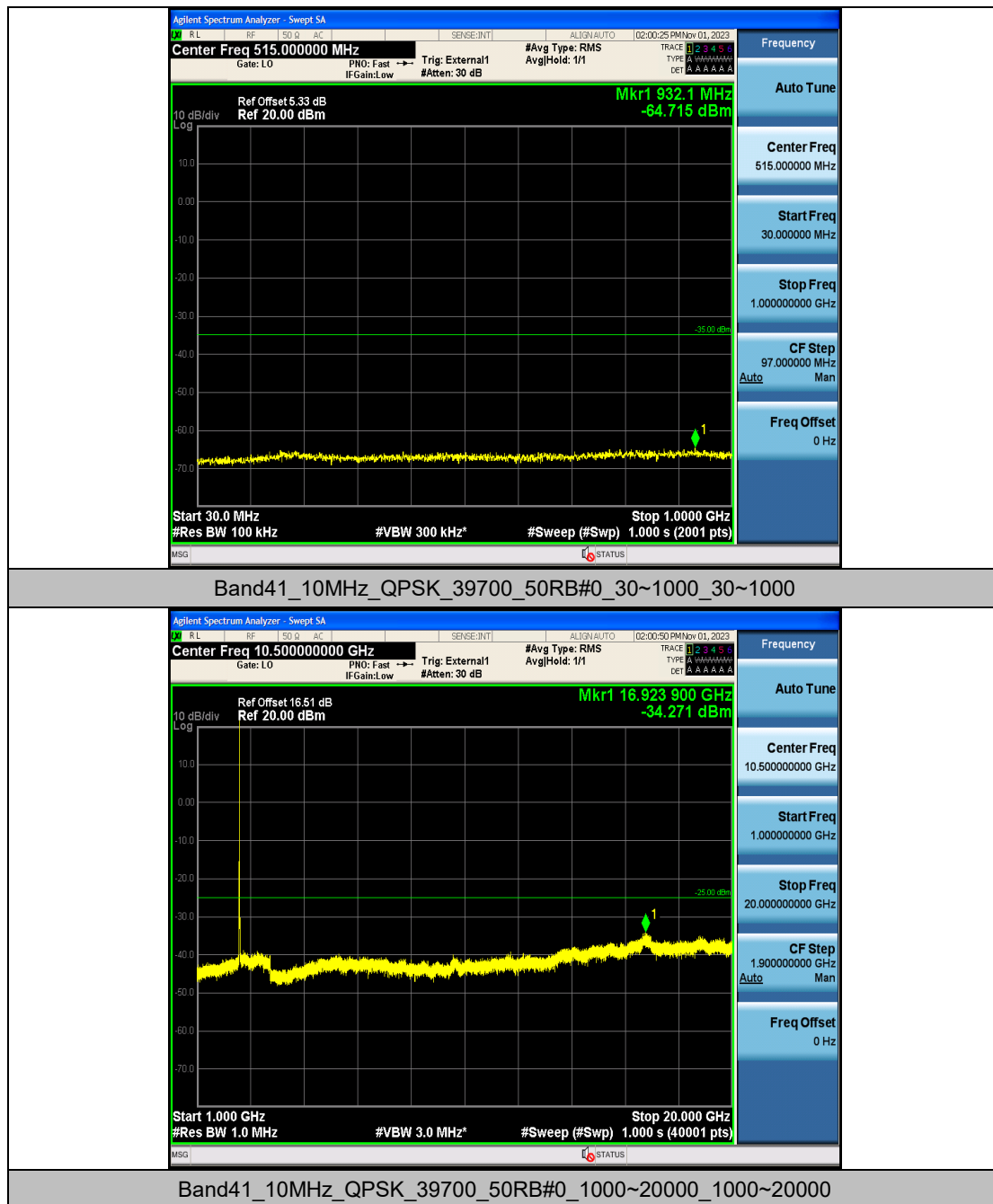


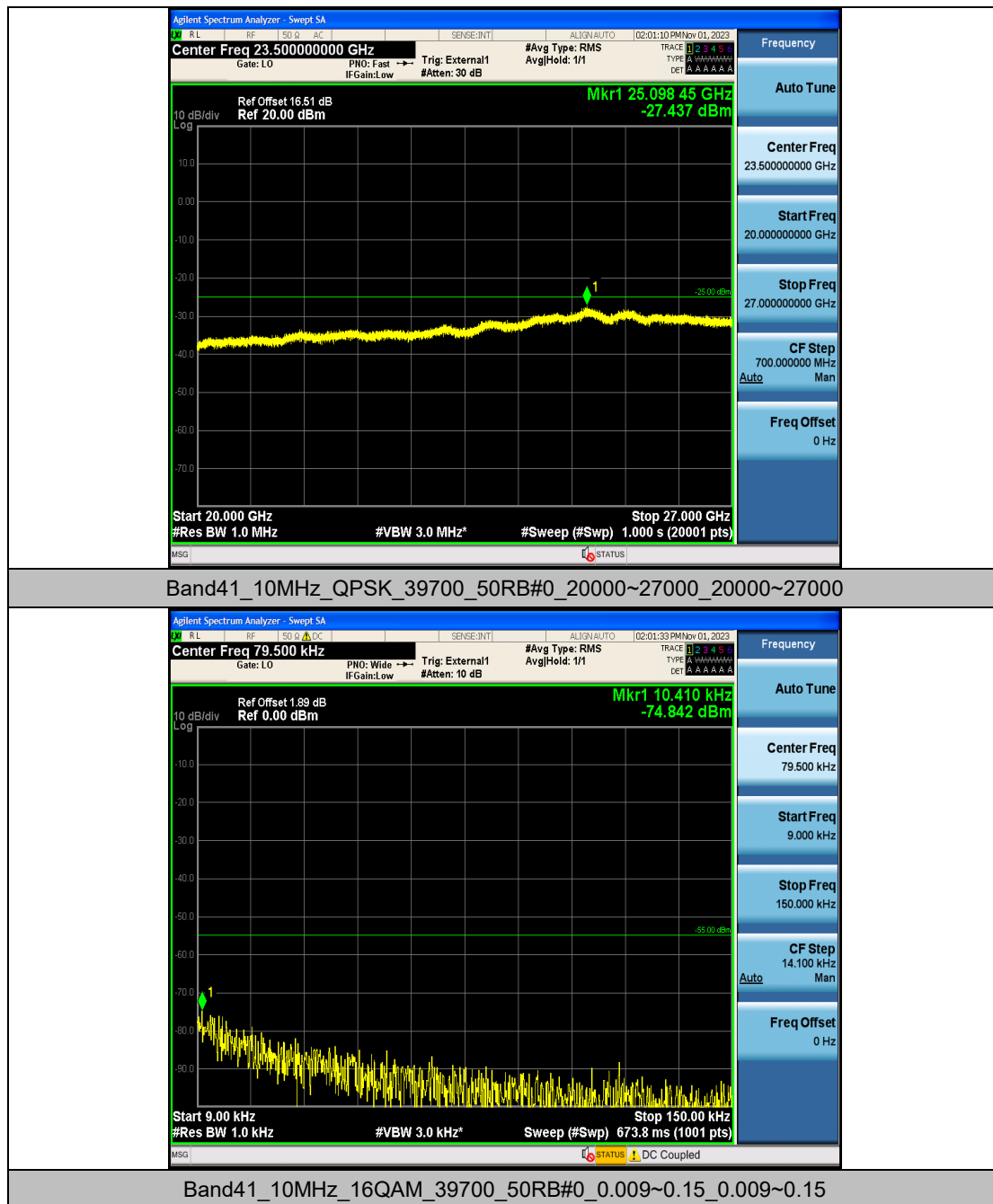
Band41_5MHz_16QAM_41565_25RB#0_0.009~0.15_0.009~0.15









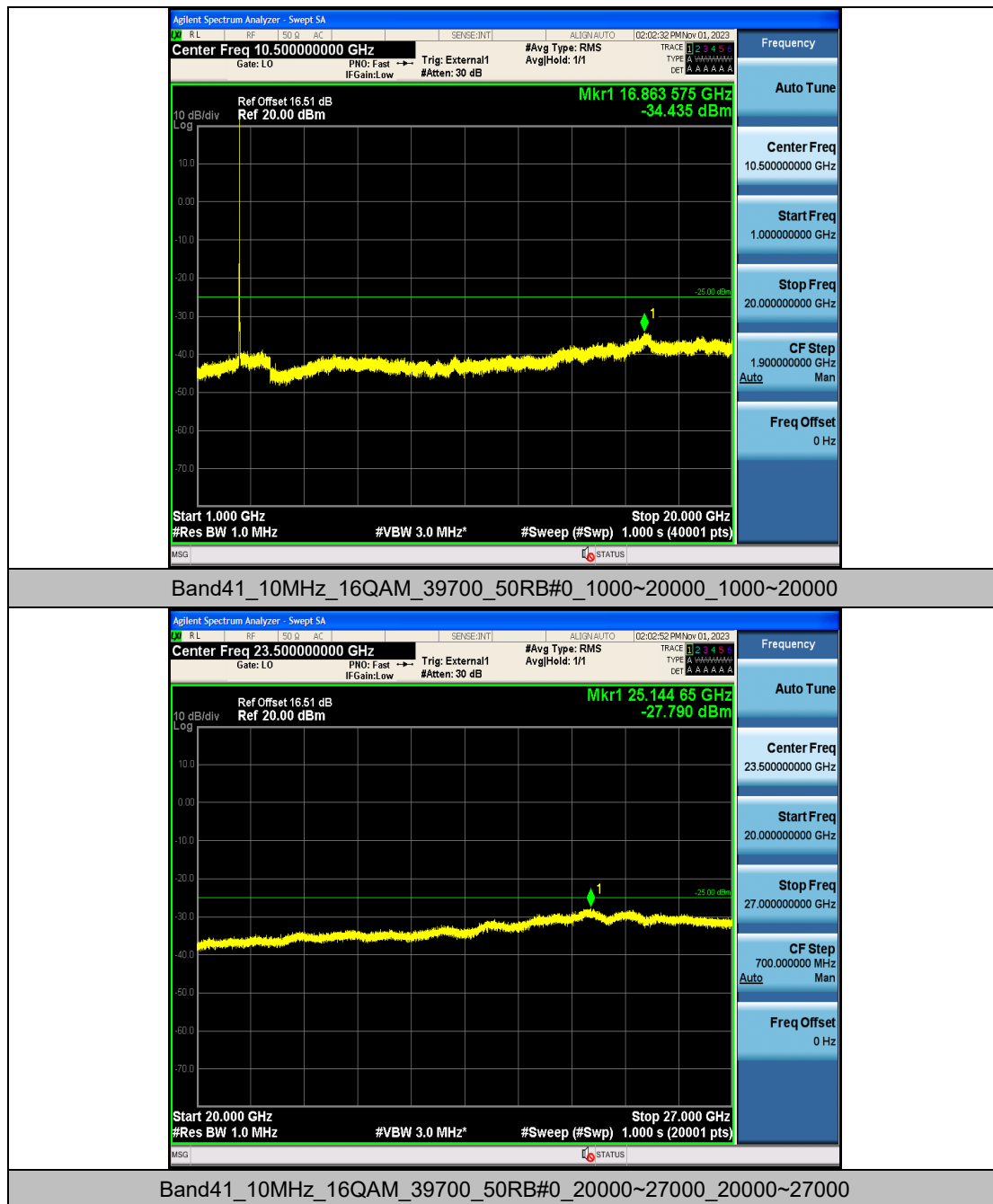


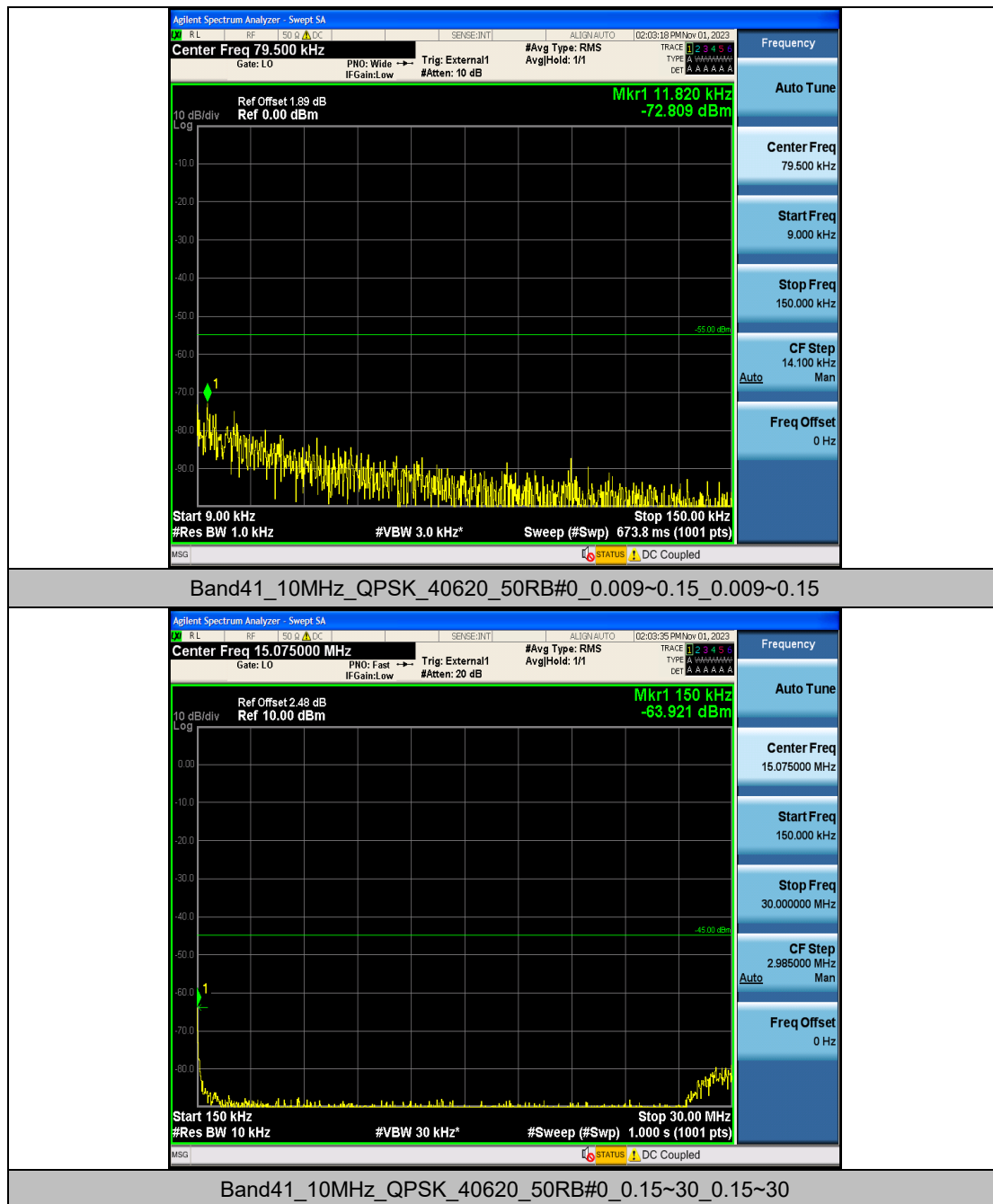


Band41_10MHz_16QAM_39700_50RB#0_0.15~30_0.15~30



Band41_10MHz_16QAM_39700_50RB#0_30~1000_30~1000







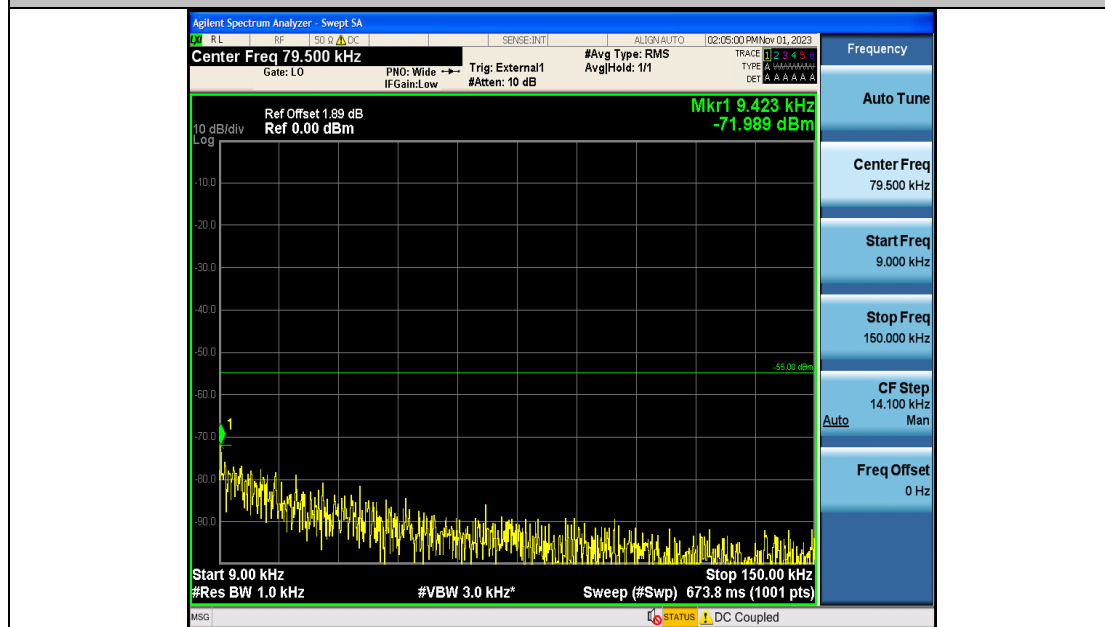
Band41_10MHz_QPSK_40620_50RB#0_30~1000_30~1000



Band41_10MHz_QPSK_40620_50RB#0_1000~20000_1000~20000



Band41_10MHz_QPSK_40620_50RB#0_20000~27000_20000~27000



Band41_10MHz_16QAM_40620_50RB#0_0.009~0.15_0.009~0.15



Band41_10MHz_16QAM_40620_50RB#0_0.15~30_0.15~30



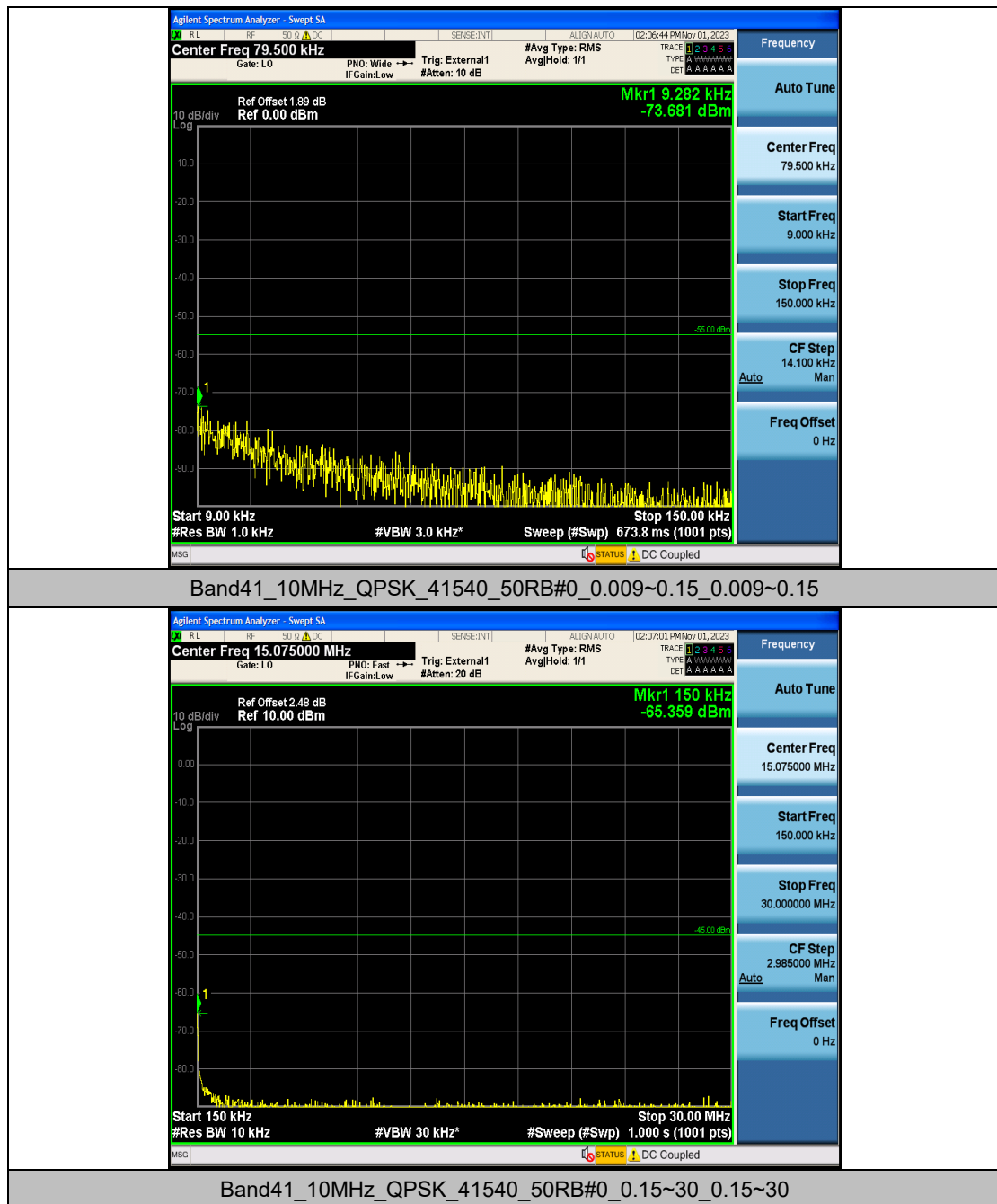
Band41_10MHz_16QAM_40620_50RB#0_30~1000_30~1000



Band41_10MHz_16QAM_40620_50RB#0_1000~20000_1000~20000



Band41_10MHz_16QAM_40620_50RB#0_20000~27000_20000~27000





Band41_10MHz_QPSK_41540_50RB#0_30~1000_30~1000



Band41_10MHz_QPSK_41540_50RB#0_1000~20000_1000~20000