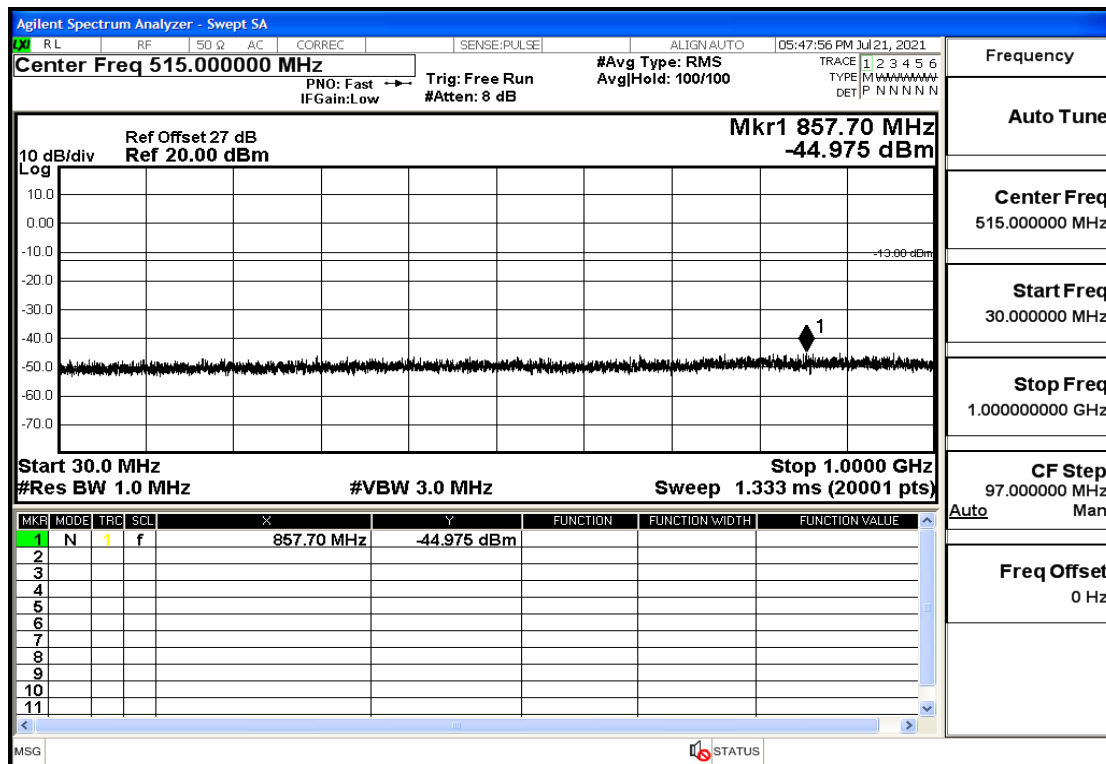
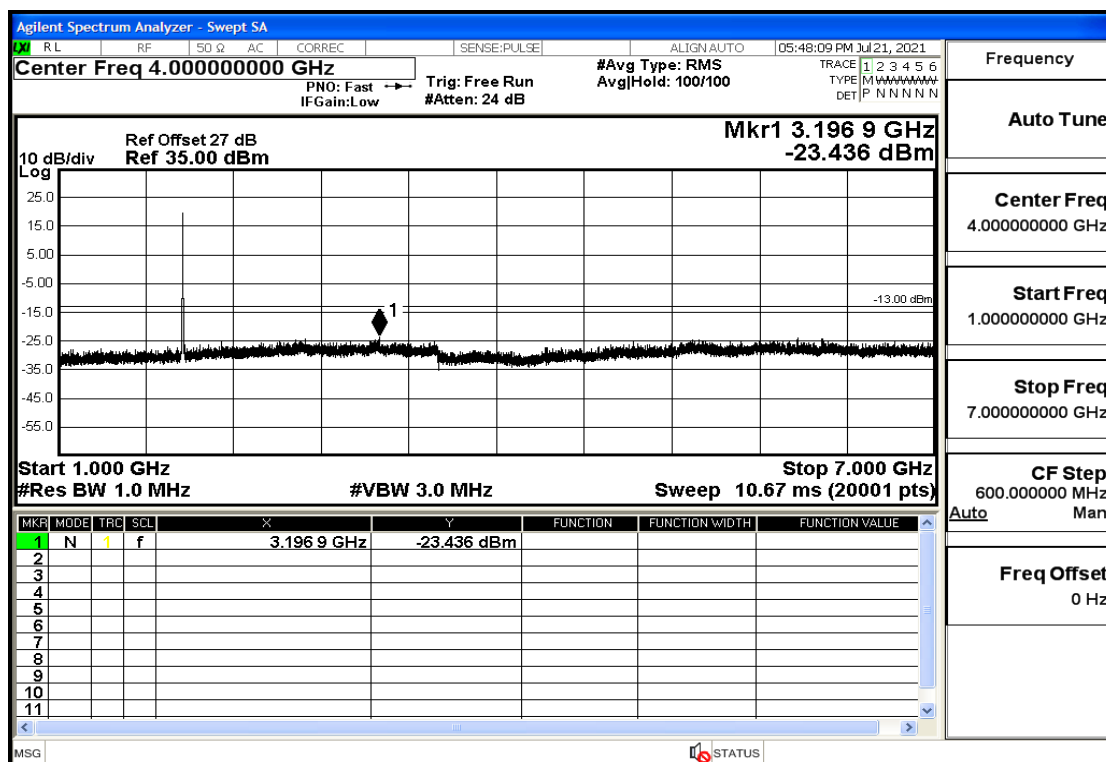


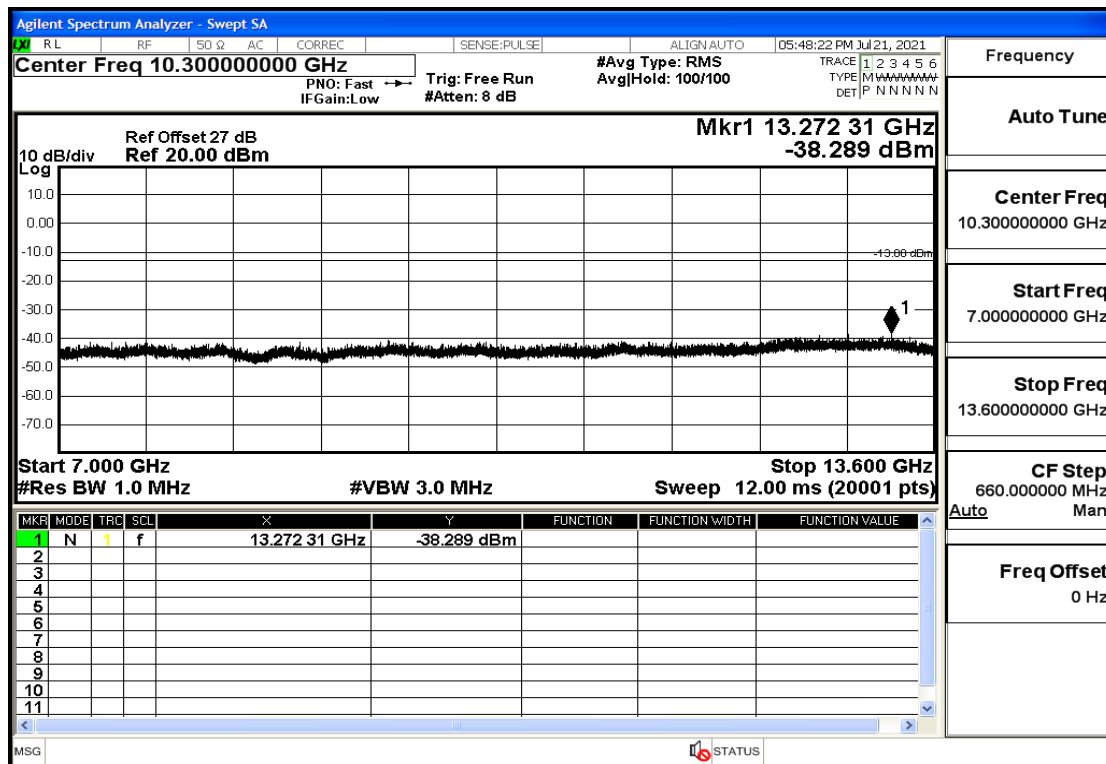
OB2-5-1852.5-QPSK-25#LOW@30MHz-1GHz@Pass



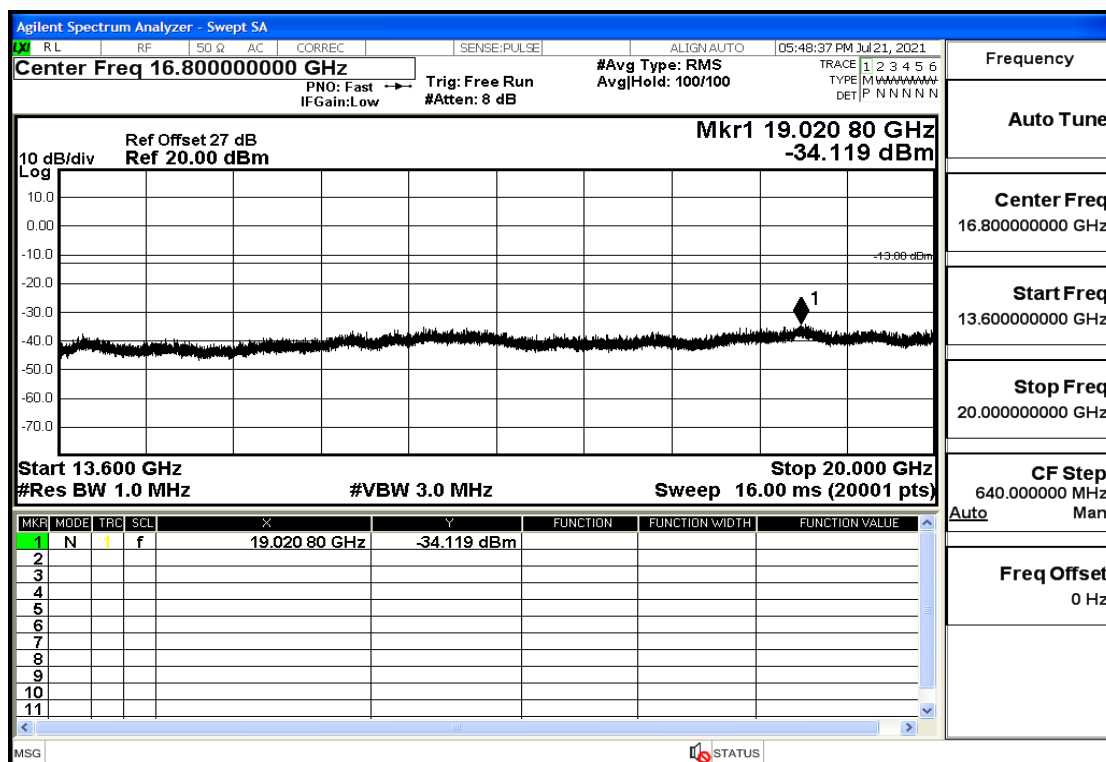
OB2-5-1852.5-QPSK-25#LOW@1GHz-7GHz@Pass



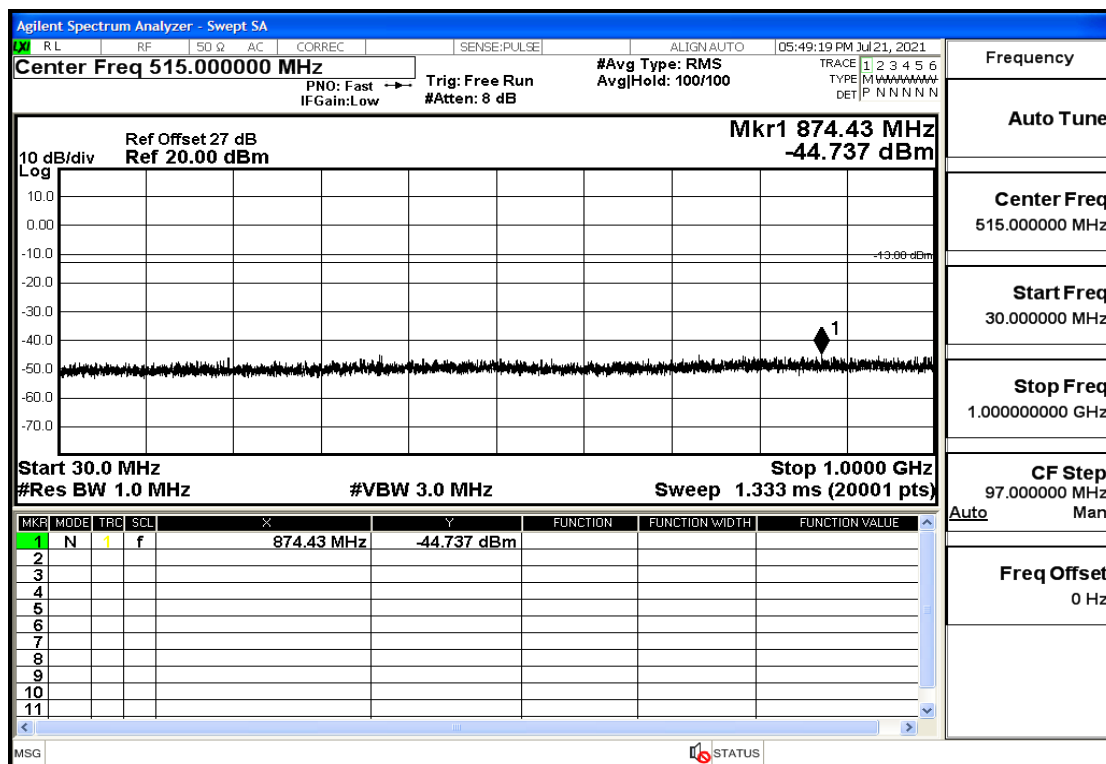
OB2-5-1852.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



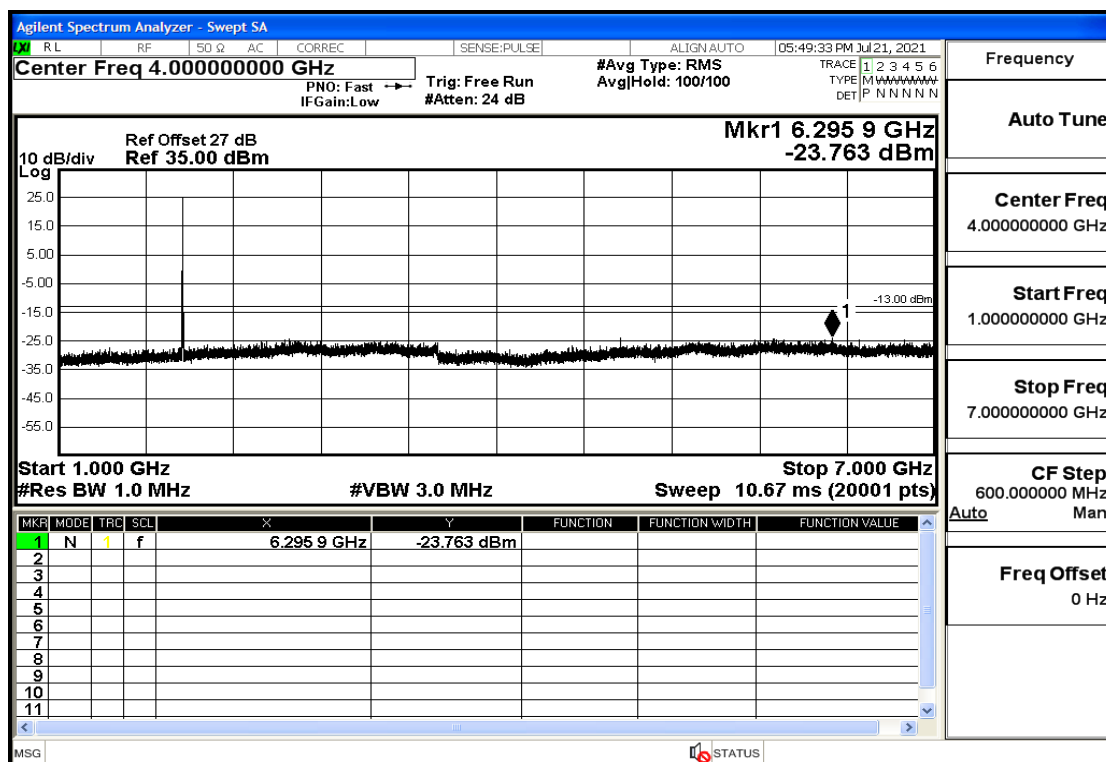
OB2-5-1852.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



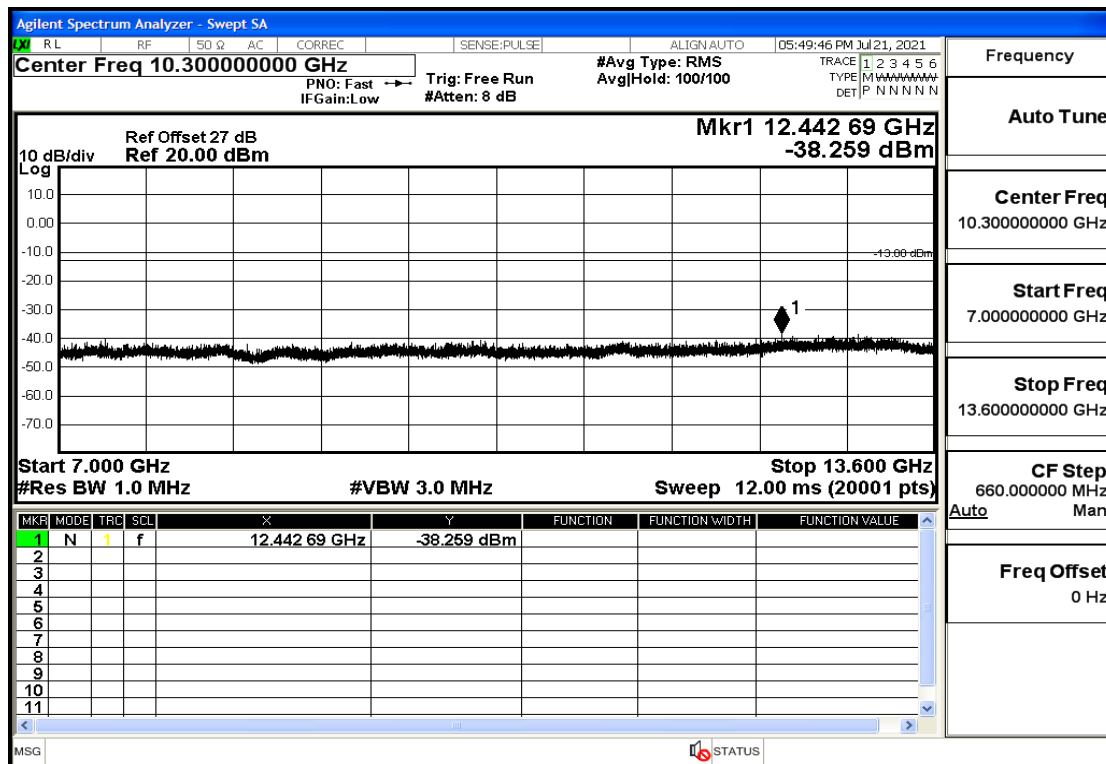
OB2-5-1852.5-QPSK-1#LOW@30mHz-1GHz@Pass



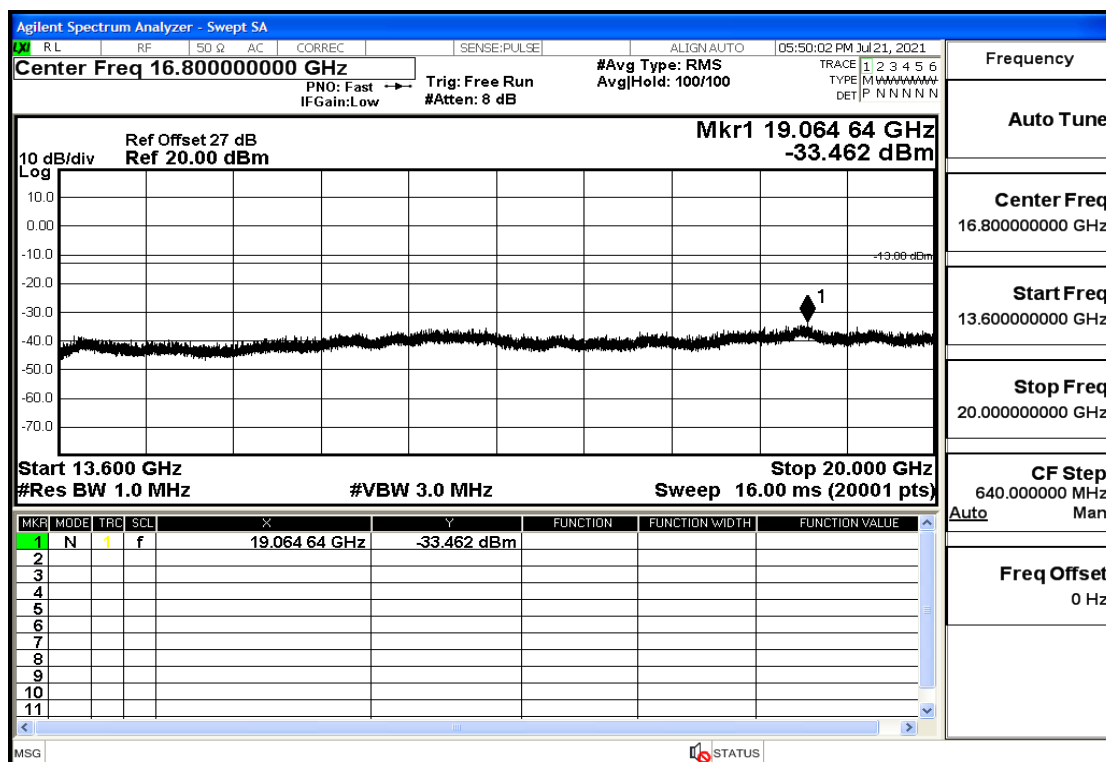
OB2-5-1852.5-QPSK-1#LOW@1GHz-7GHz@Pass



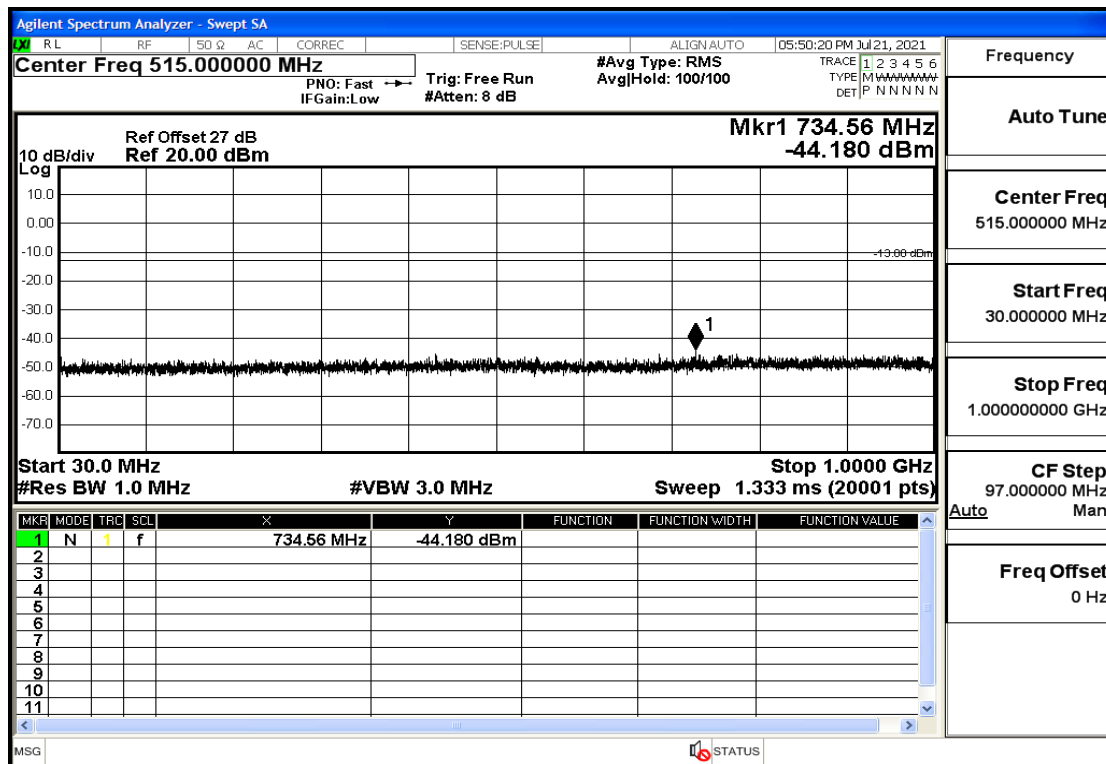
OB2-5-1852.5-QPSK-1#LOW@7GHz-13.6GHz@Pass



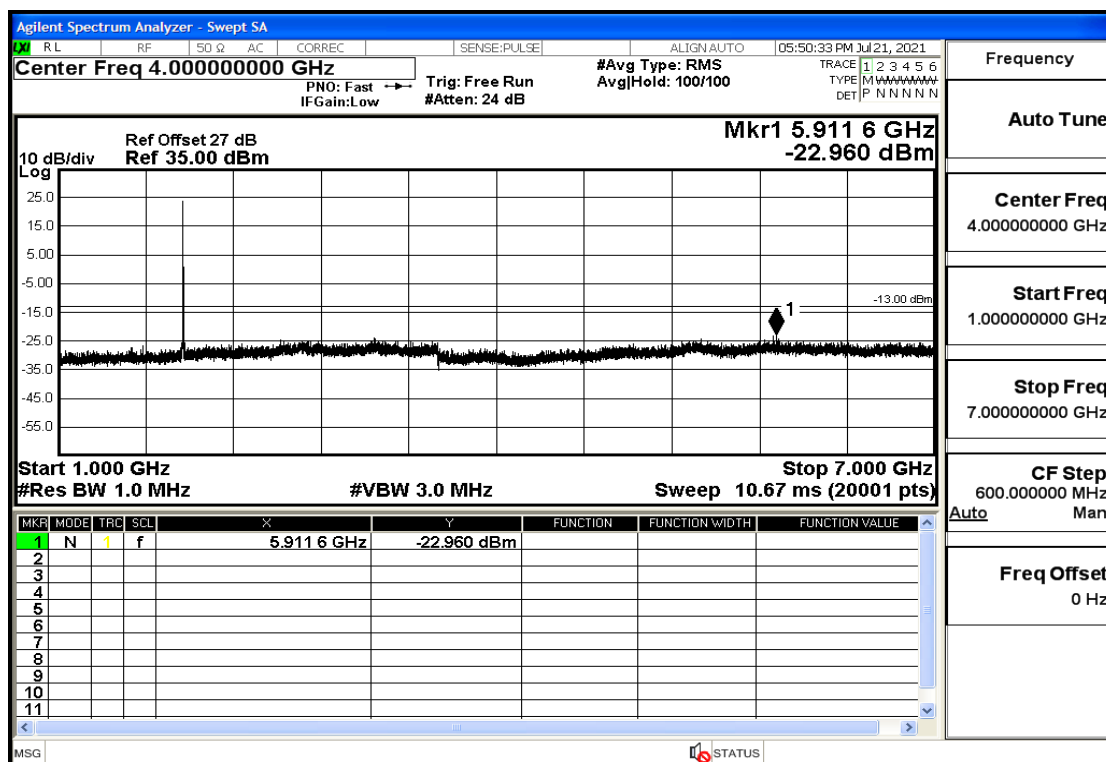
OB2-5-1852.5-QPSK-1#LOW@13.6GHz-20GHz@Pass



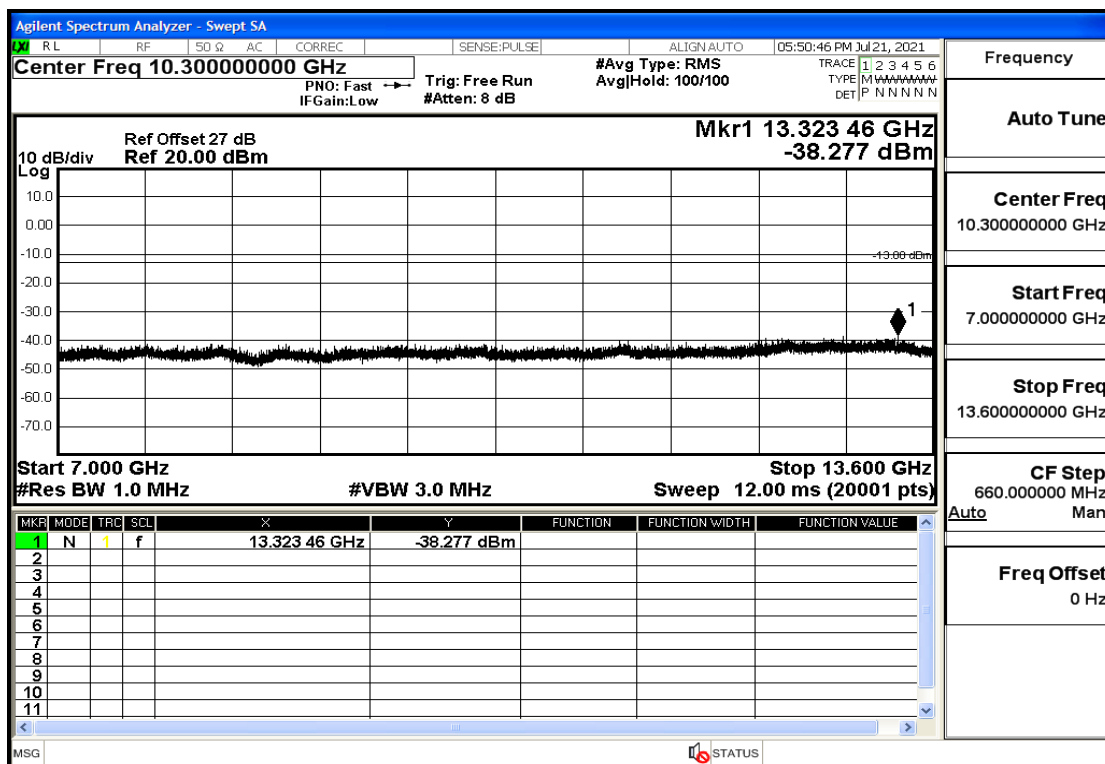
OB2-5-1852.5-QPSK-1#HIGH@30mHz-1GHz@Pass



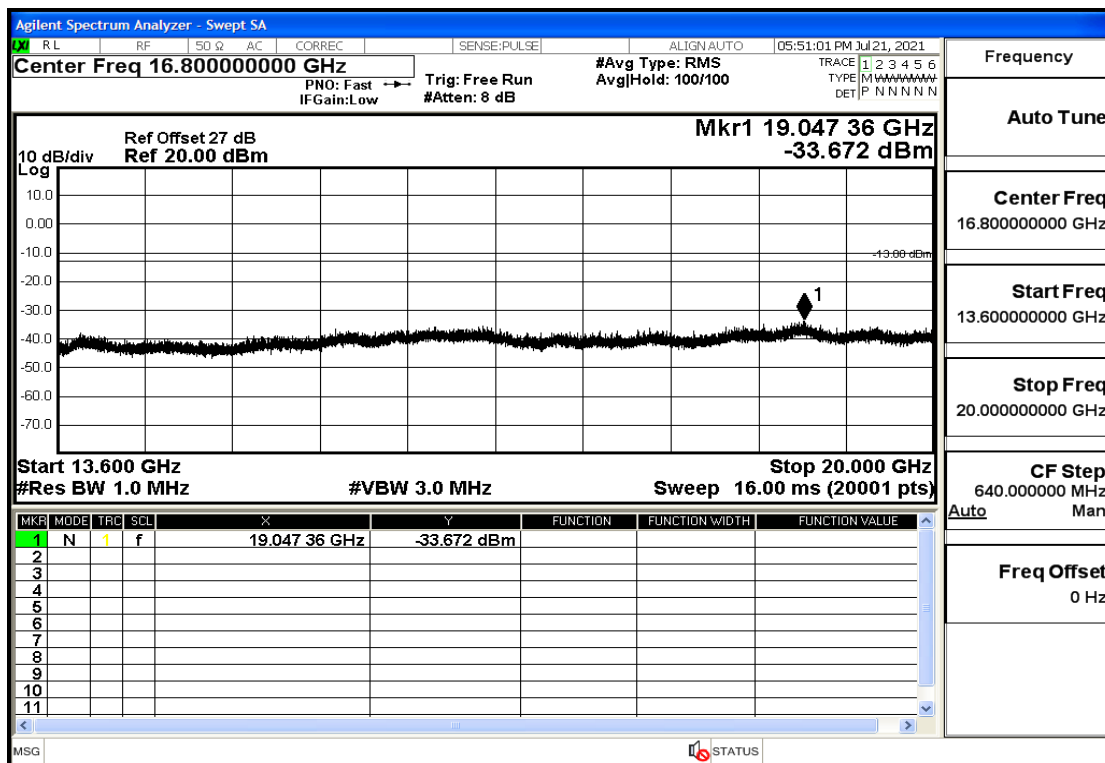
OB2-5-1852.5-QPSK-1#HIGH@1GHz-7GHz@Pass



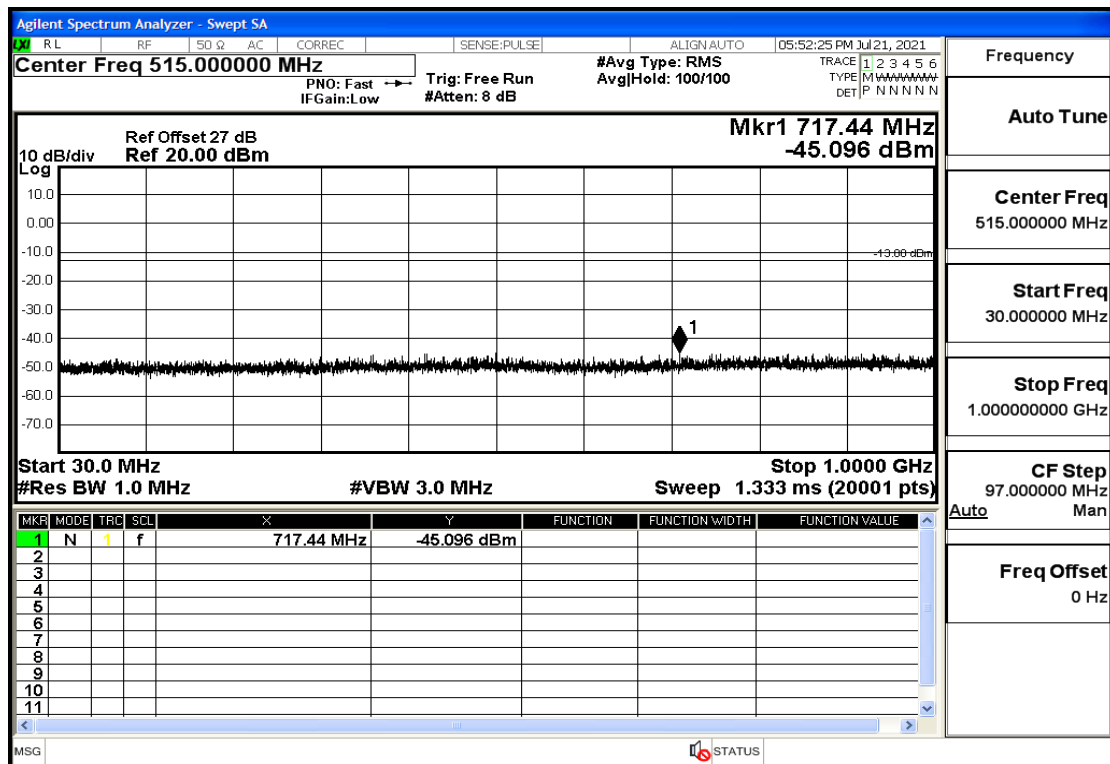
OB2-5-1852.5-QPSK-1#HIGH@7GHz-13.6GHz@Pass



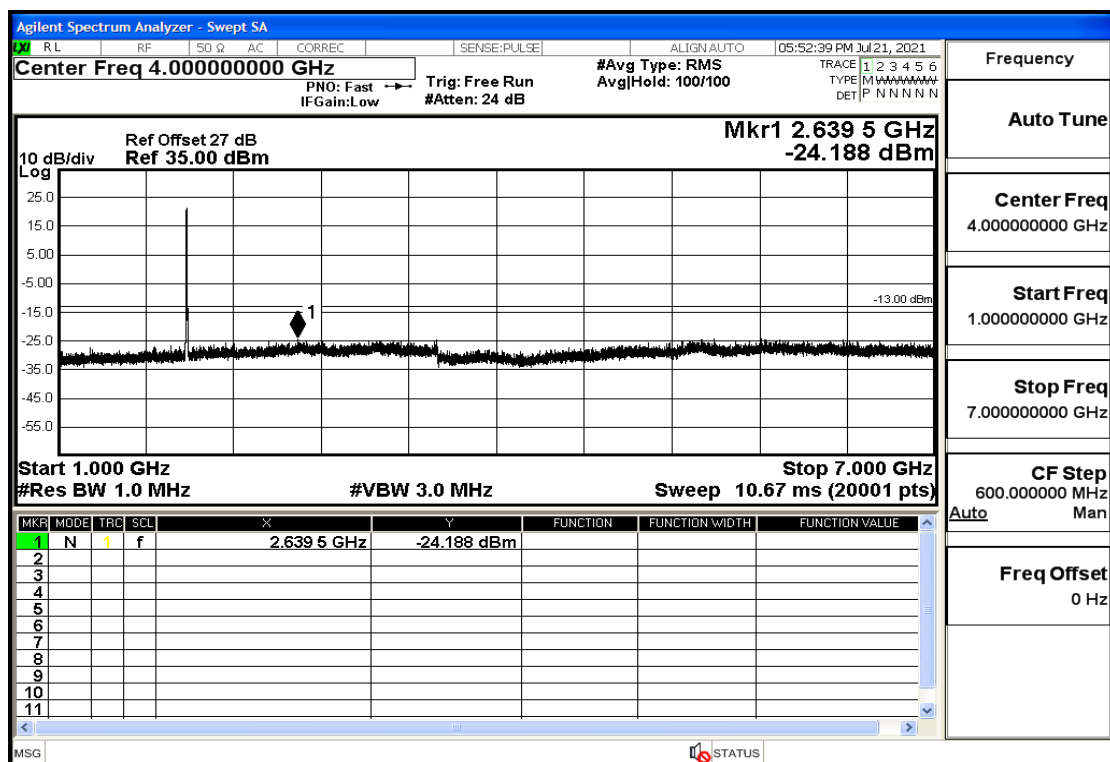
OB2-5-1852.5-QPSK-1#HIGH@13.6GHz-20GHz@Pass



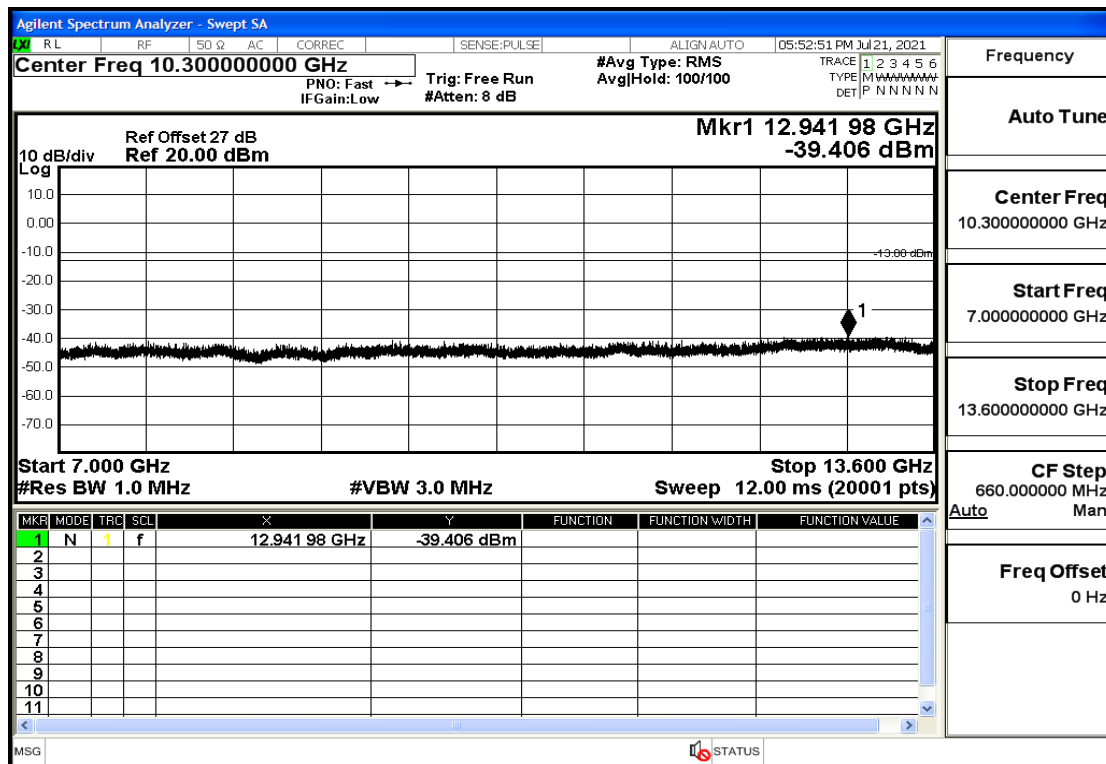
OB2-5-1880-QPSK-25#LOW@30mHz-1GHz@Pass



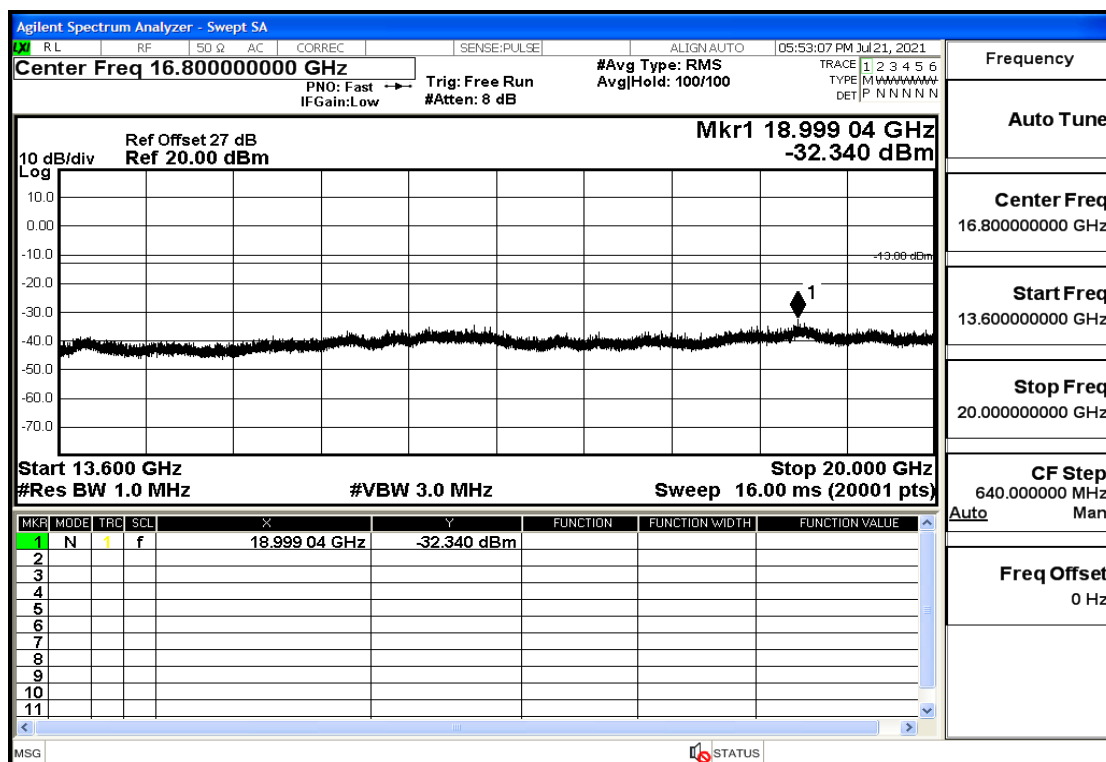
OB2-5-1880-QPSK-25#LOW@1GHz-7GHz@Pass



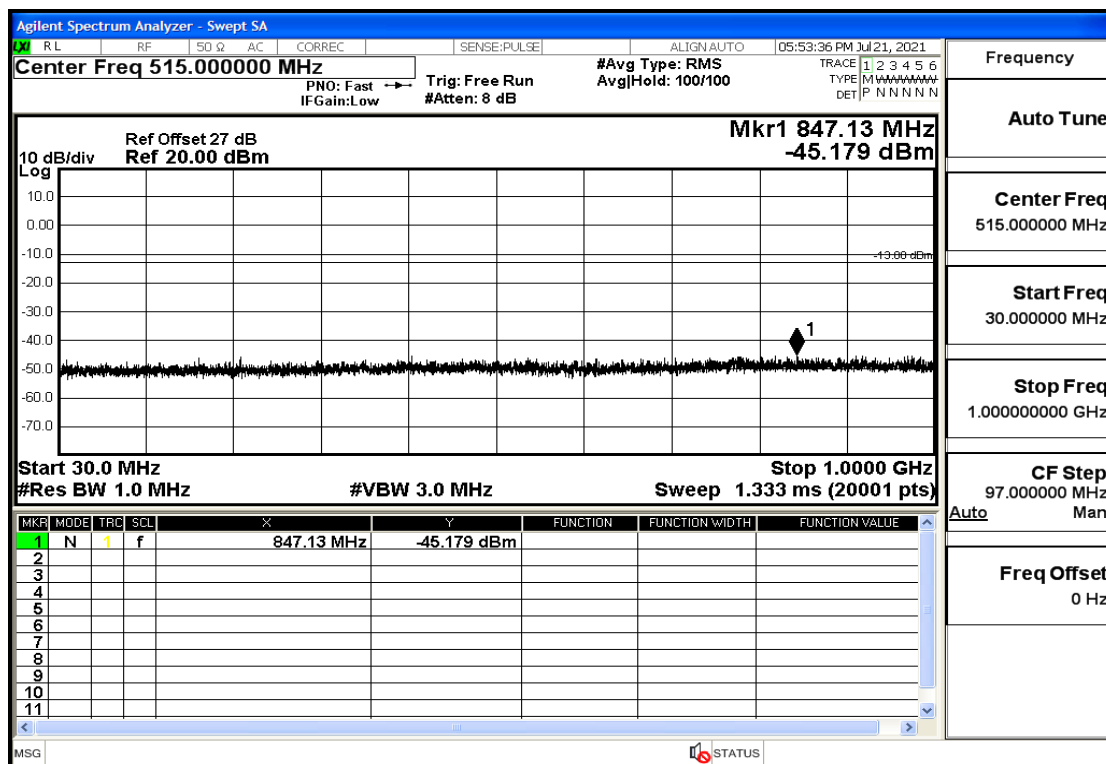
OB2-5-1880-QPSK-25#LOW@7GHz-13.6GHz@Pass



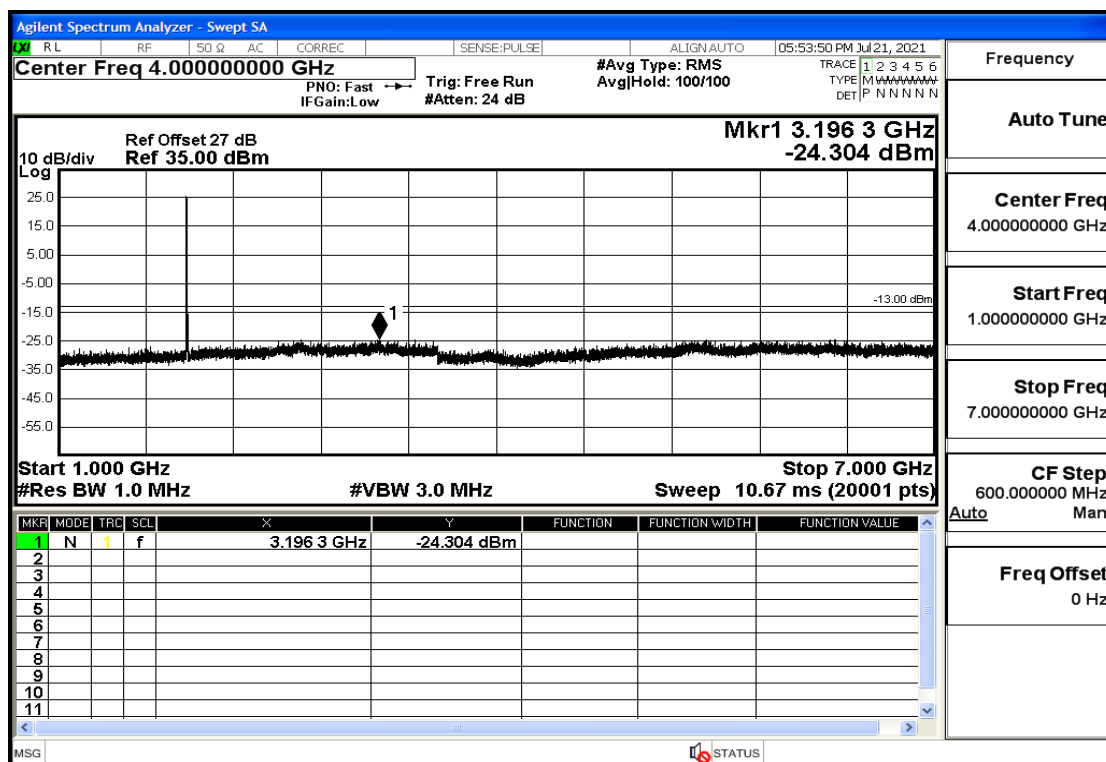
OB2-5-1880-QPSK-25#LOW@13.6GHz-20GHz@Pass



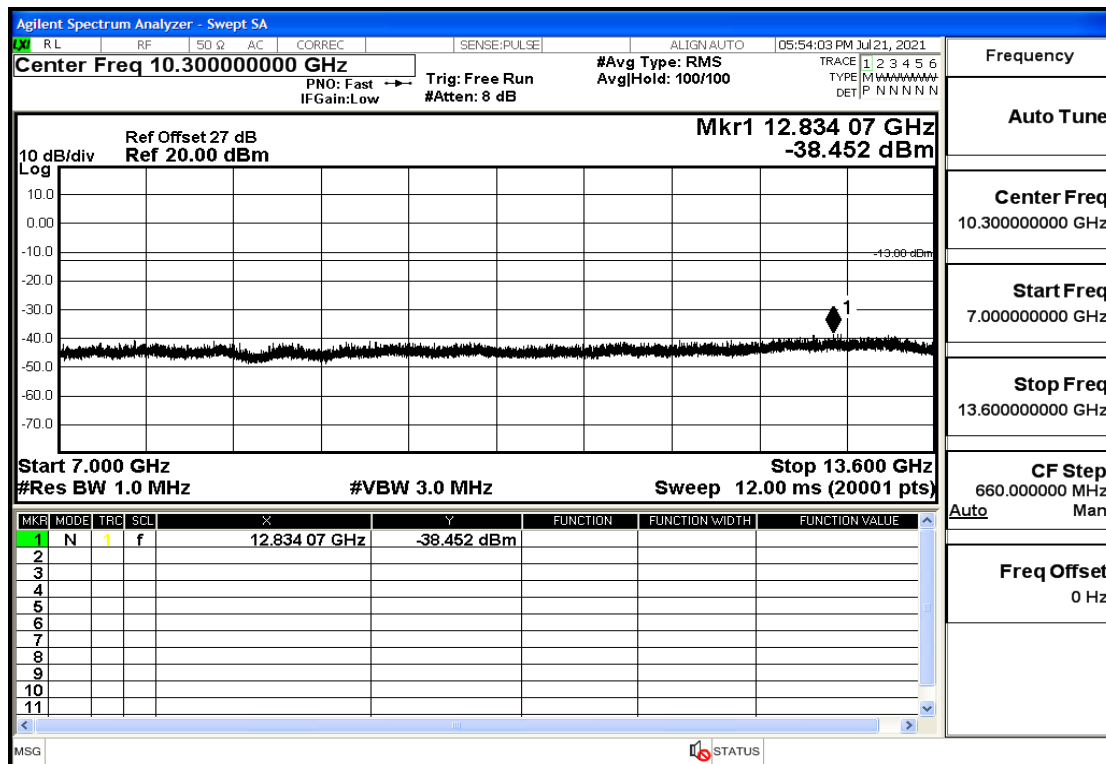
OB2-5-1880-QPSK-1#LOW@30mHz-1GHz@Pass



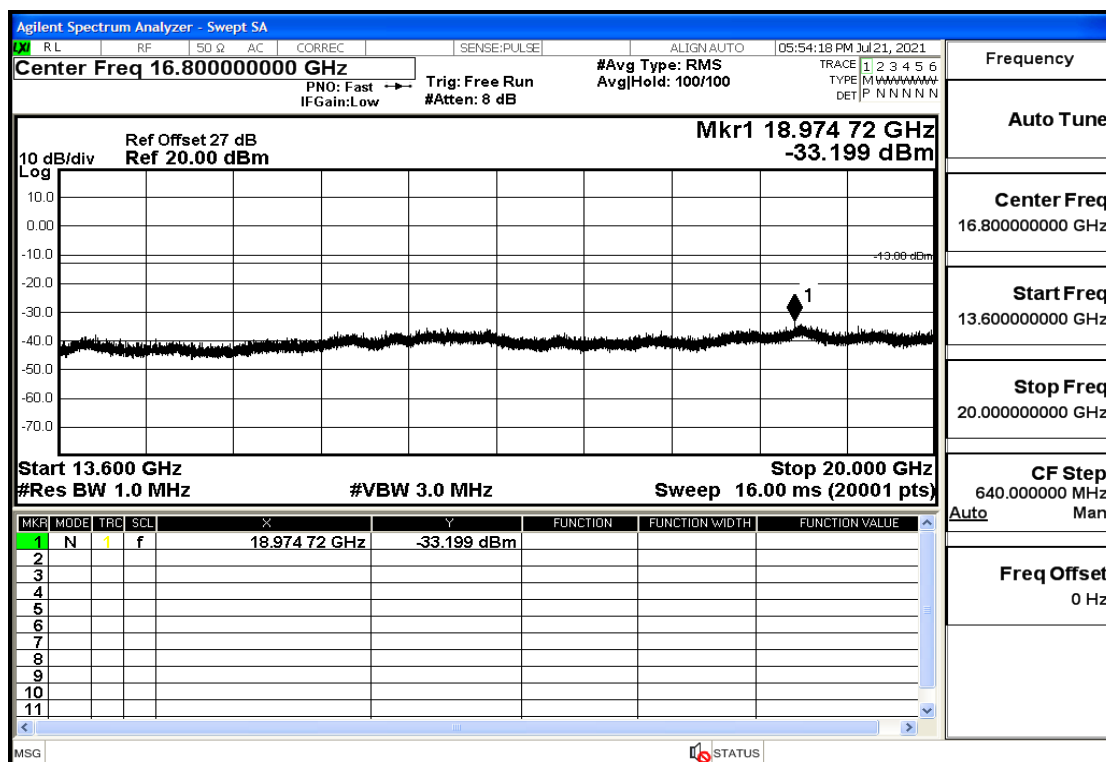
OB2-5-1880-QPSK-1#LOW@1GHz-7GHz@Pass



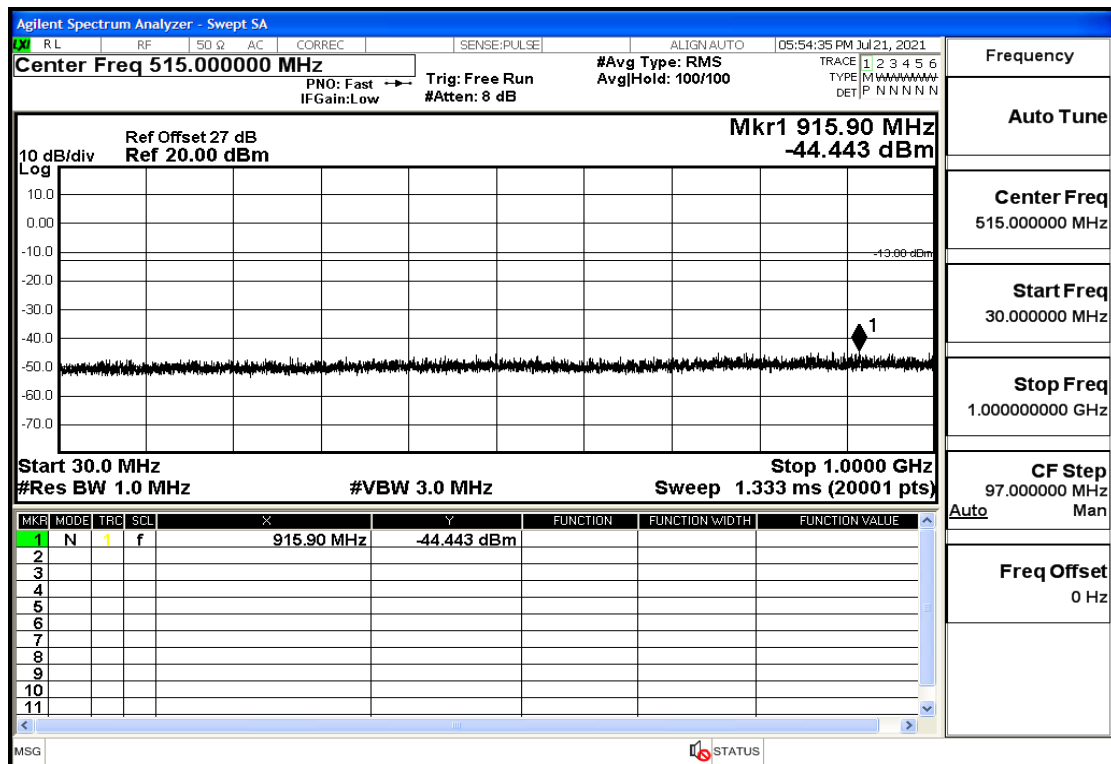
OB2-5-1880-QPSK-1#LOW@7GHz-13.6GHz@Pass



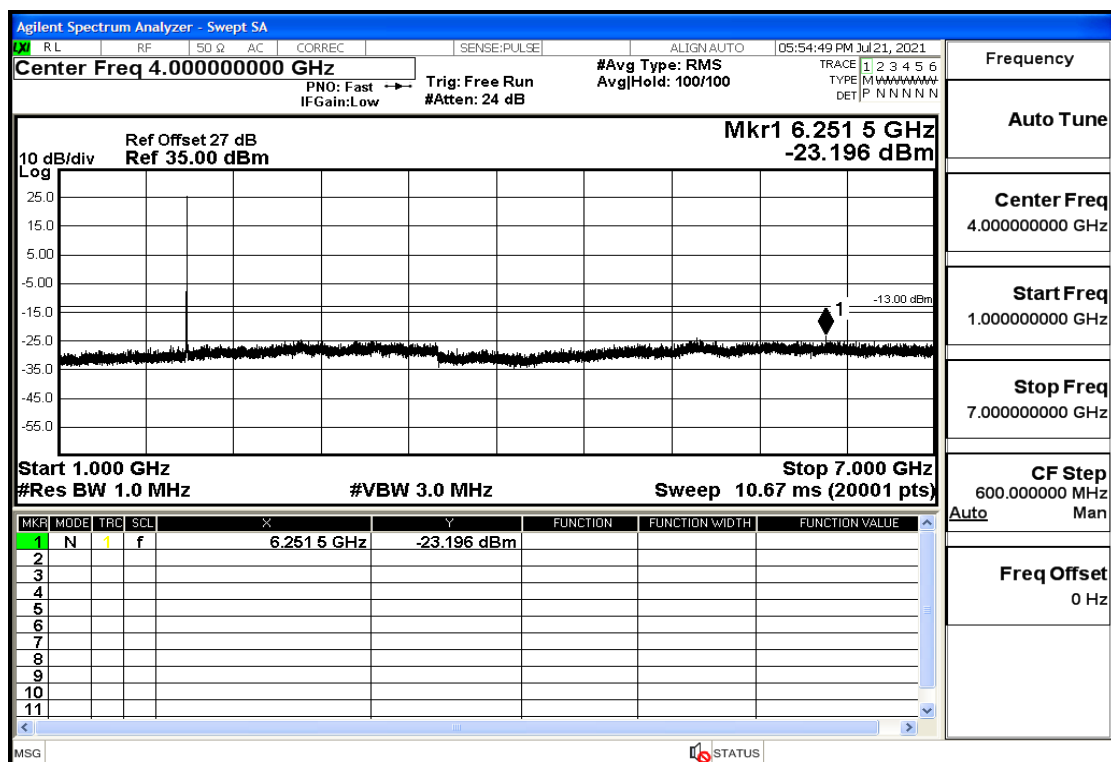
OB2-5-1880-QPSK-1#LOW@13.6GHz-20GHz@Pass



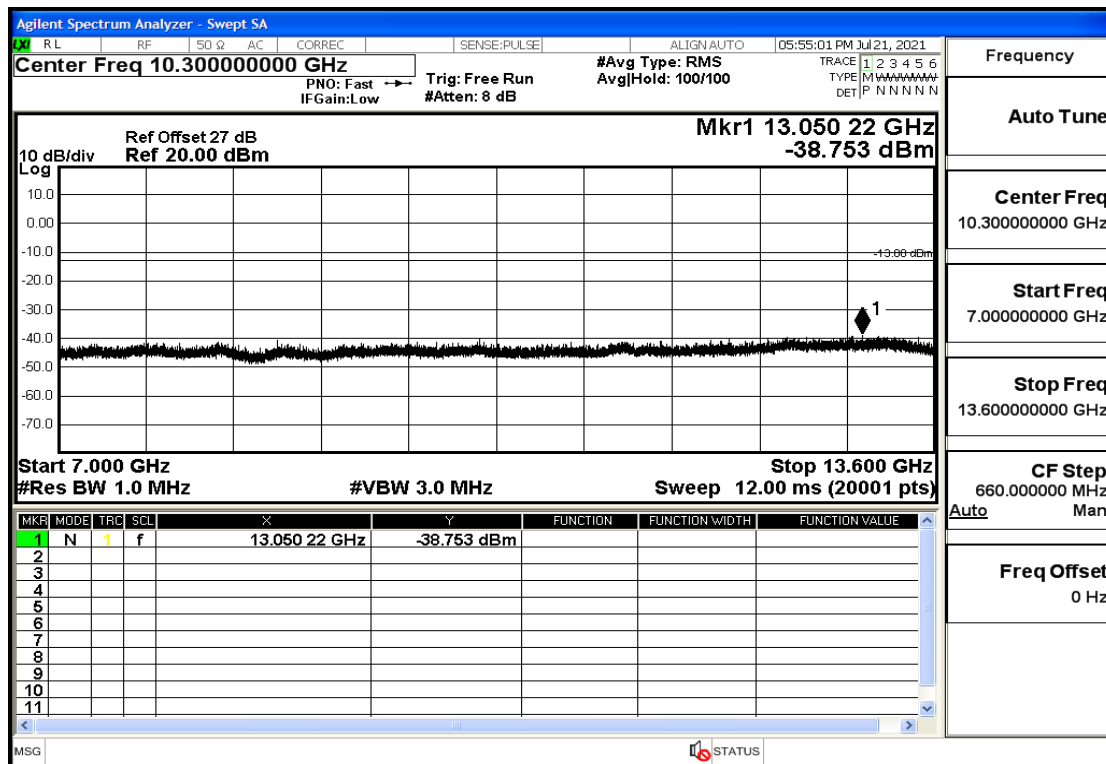
OB2-5-1880-QPSK-1#HIGH@30mHz-1GHz@Pass



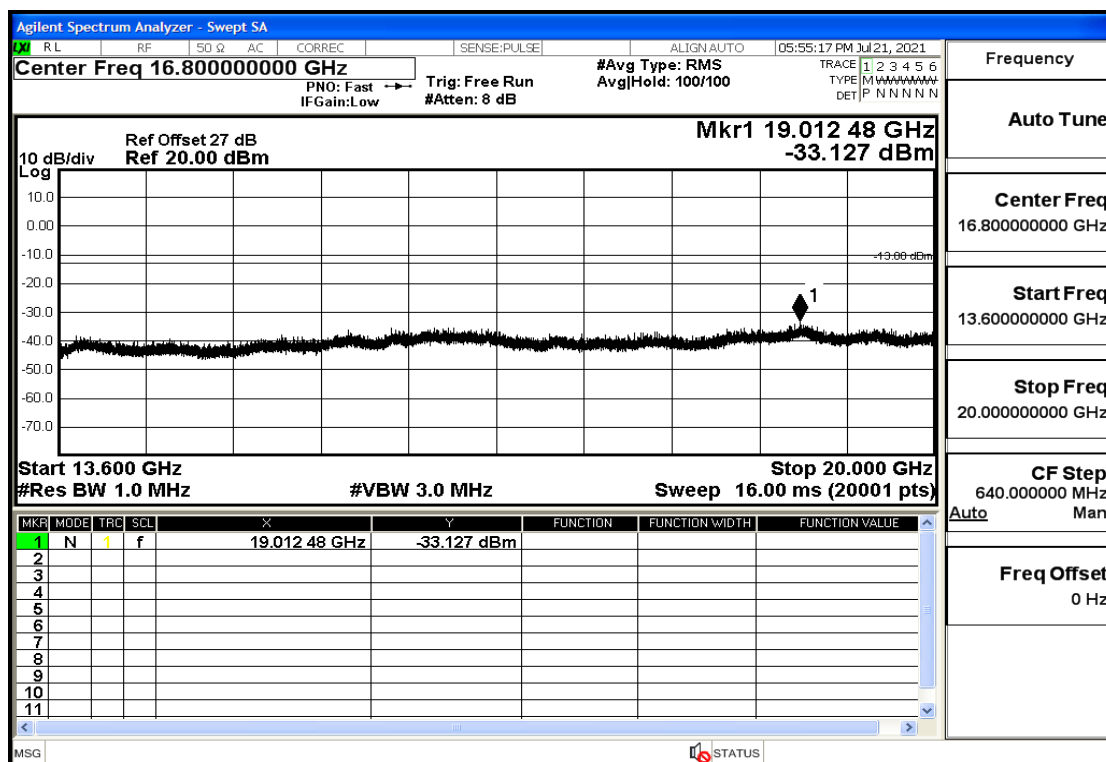
OB2-5-1880-QPSK-1#HIGH@1GHz-7GHz@Pass



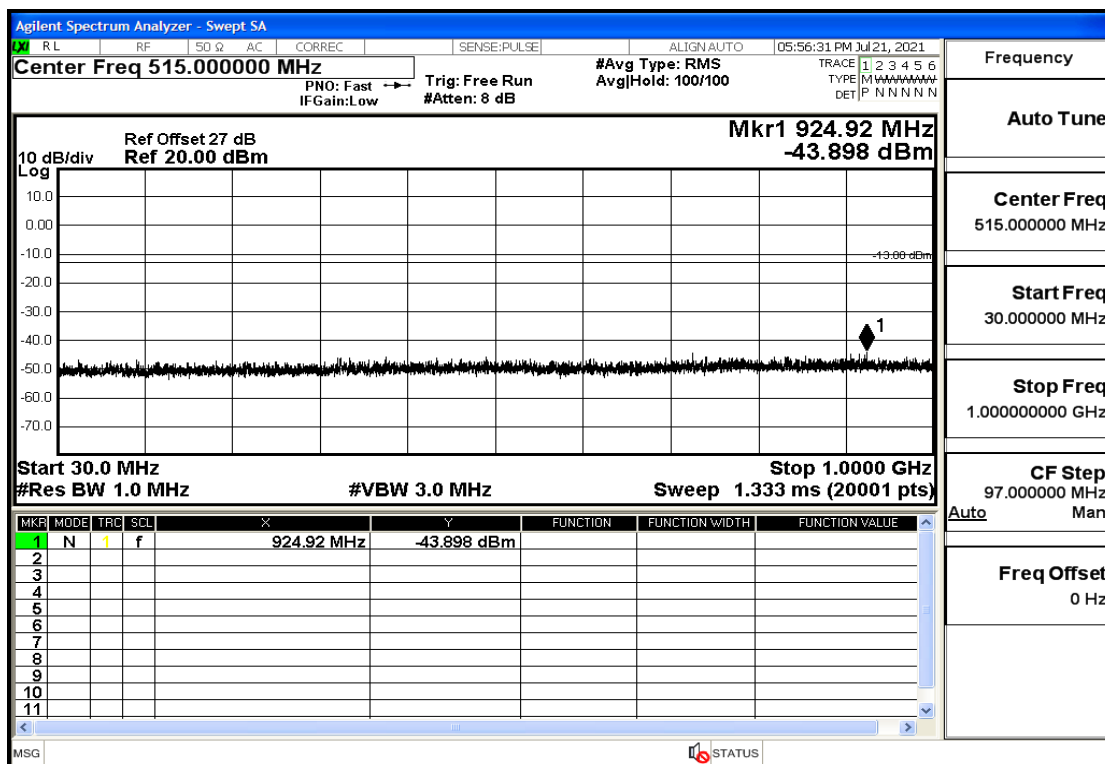
OB2-5-1880-QPSK-1#HIGH@7GHz-13.6GHz@Pass



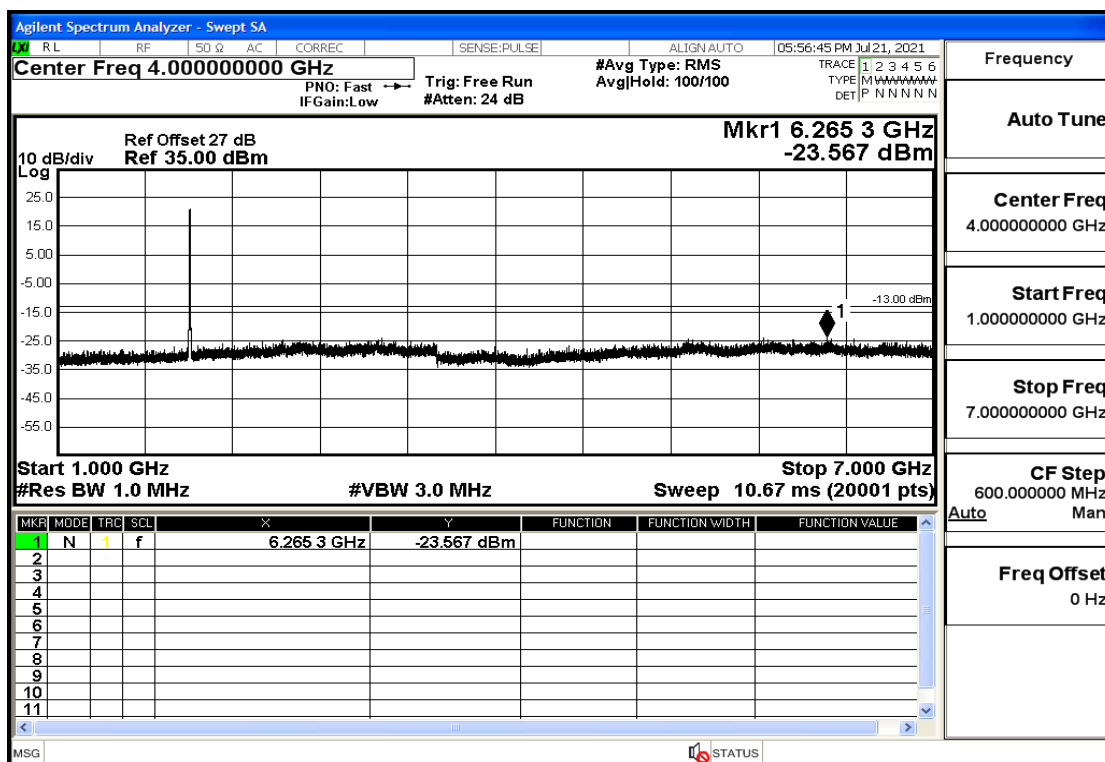
OB2-5-1880-QPSK-1#HIGH@13.6GHz-20GHz@Pass



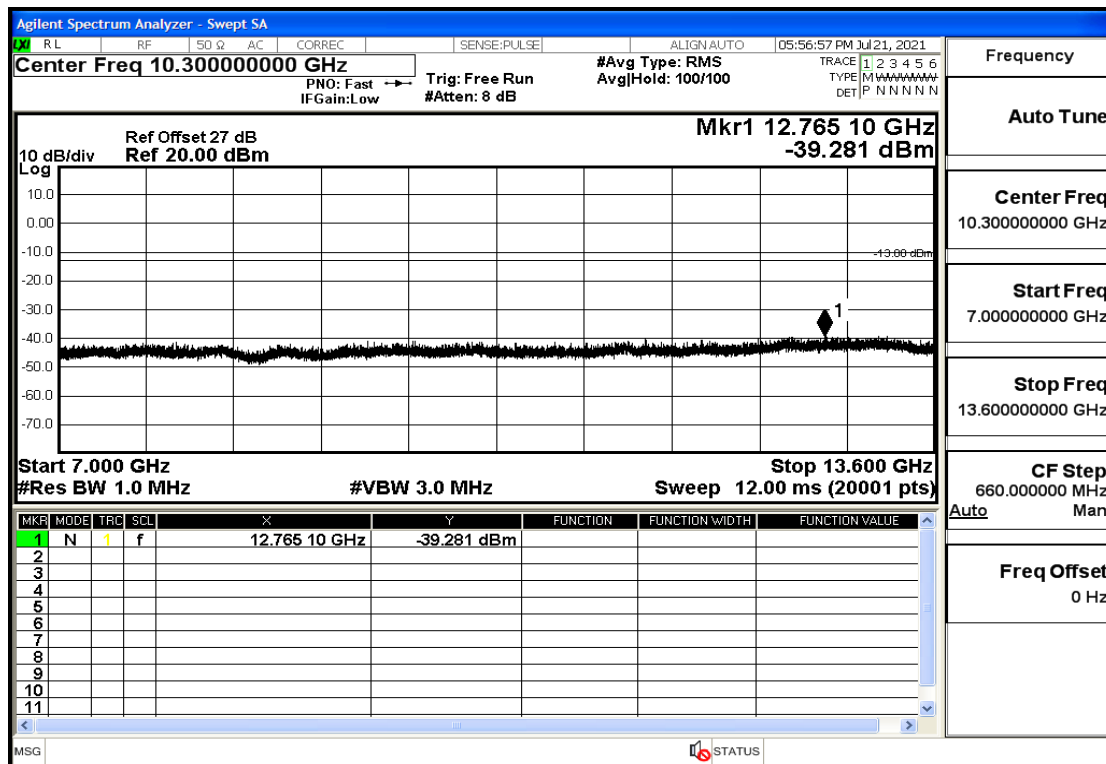
OB2-5-1907.5-QPSK-25#LOW@30MHz-1GHz@Pass



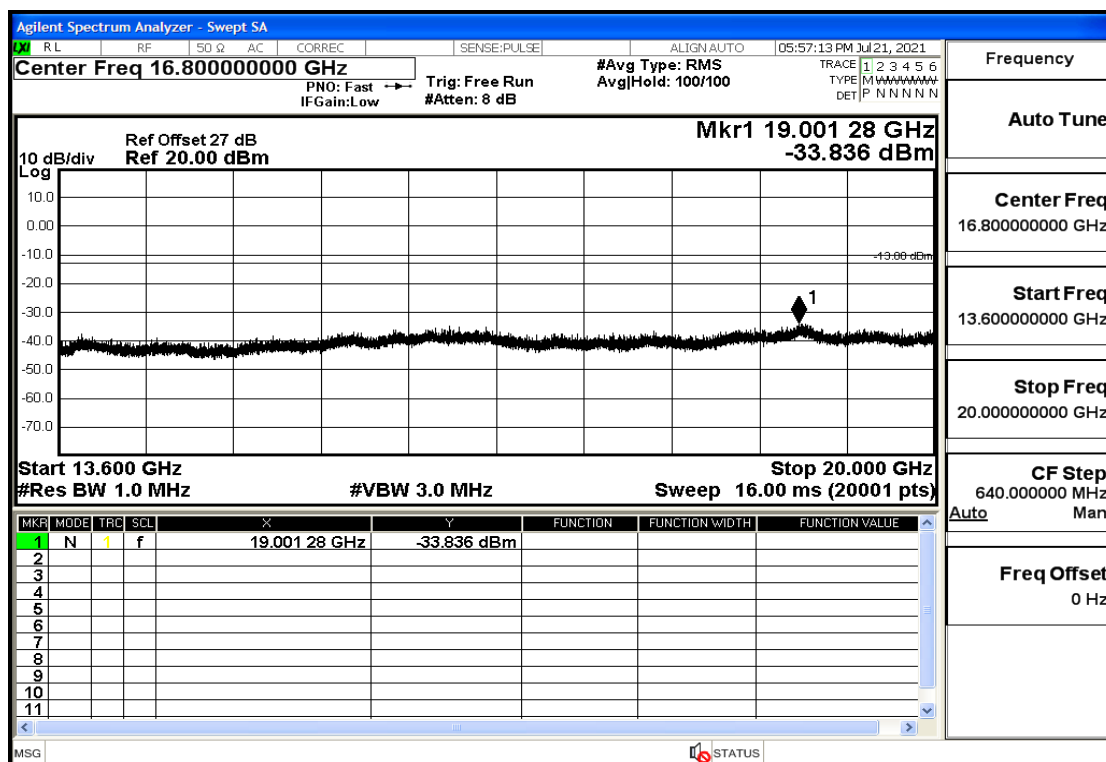
OB2-5-1907.5-QPSK-25#LOW@1GHz-7GHz@Pass



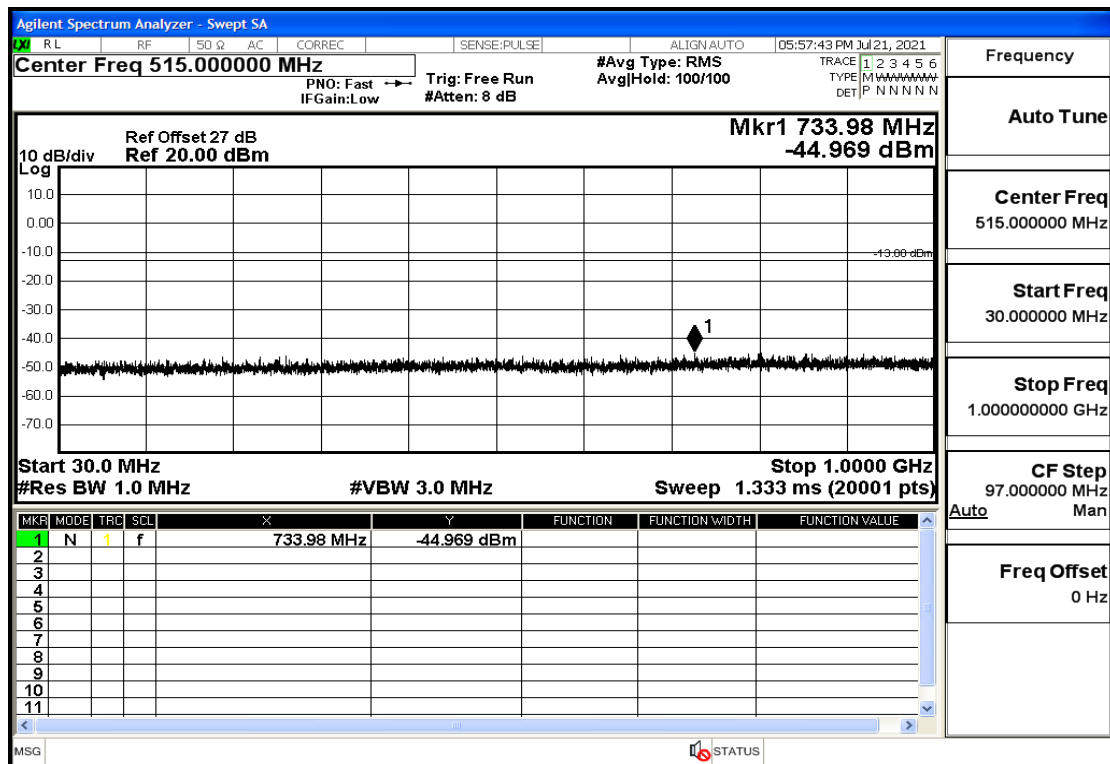
OB2-5-1907.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



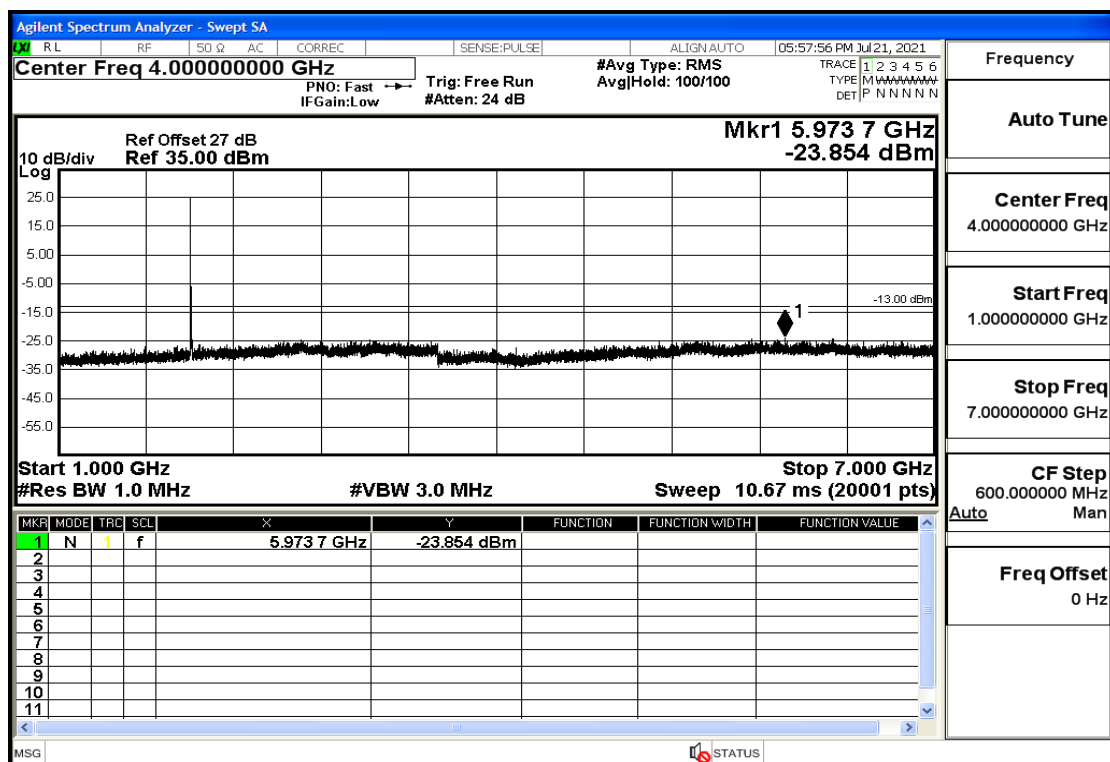
OB2-5-1907.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



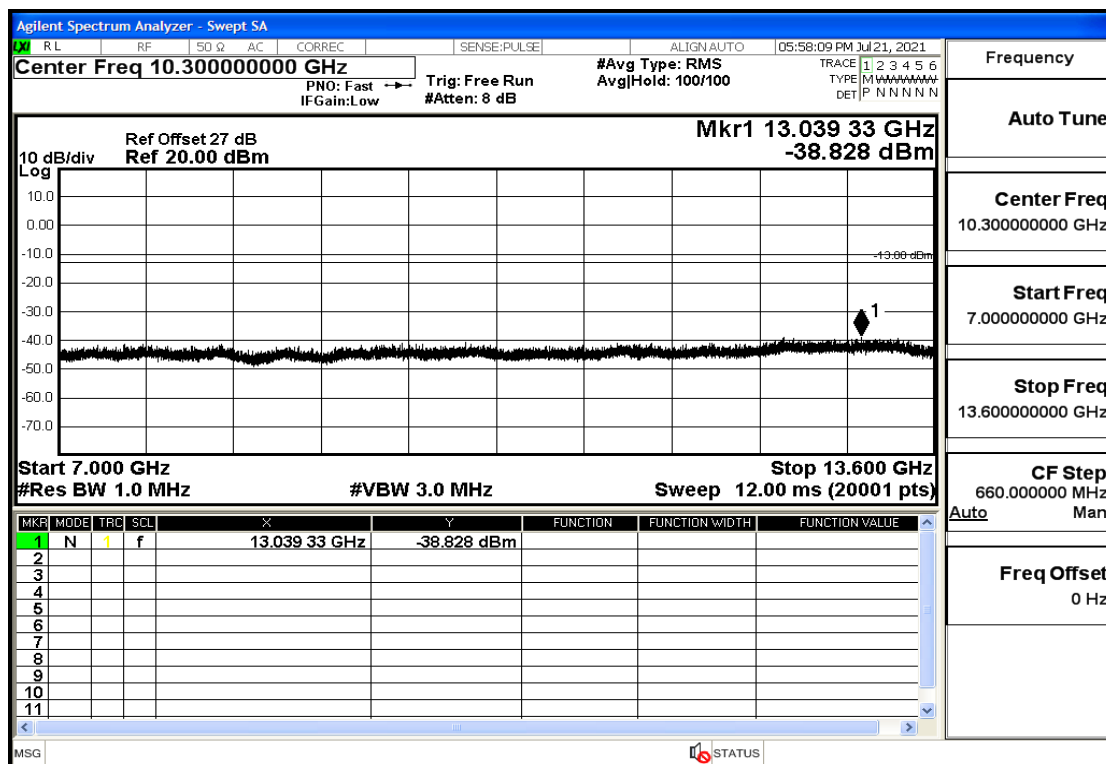
OB2-5-1907.5-QPSK-1#LOW@30mHz-1GHz@Pass



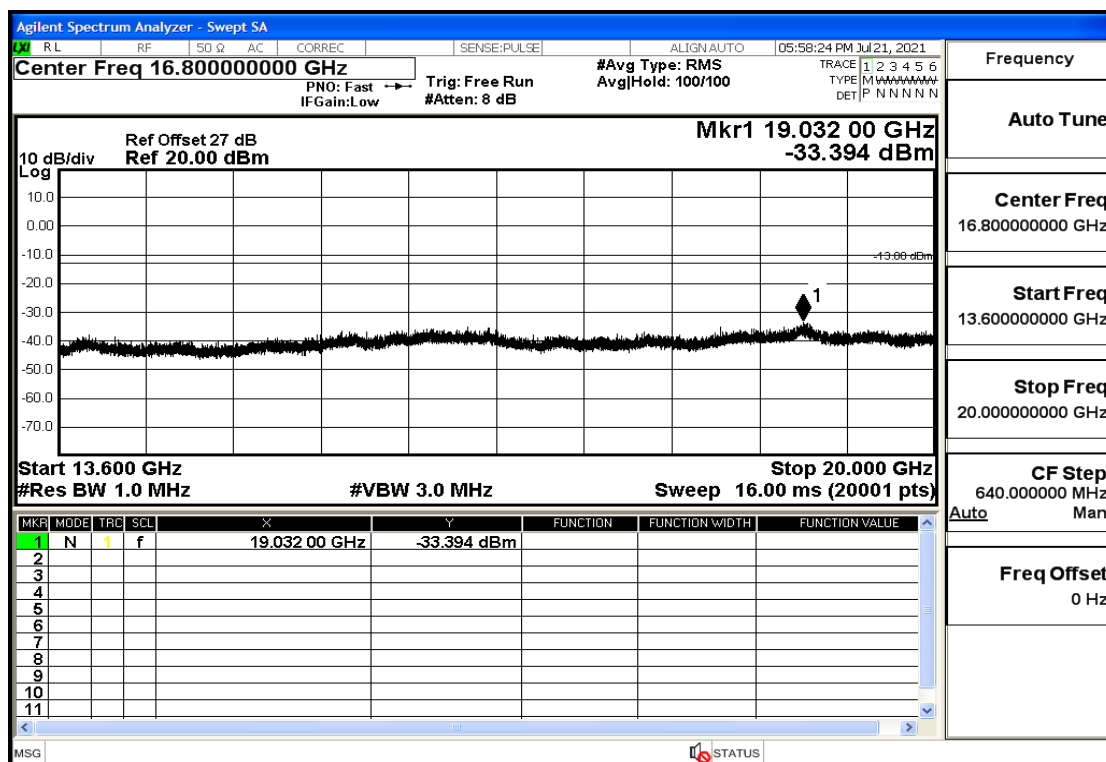
OB2-5-1907.5-QPSK-1#LOW@1GHz-7GHz@Pass



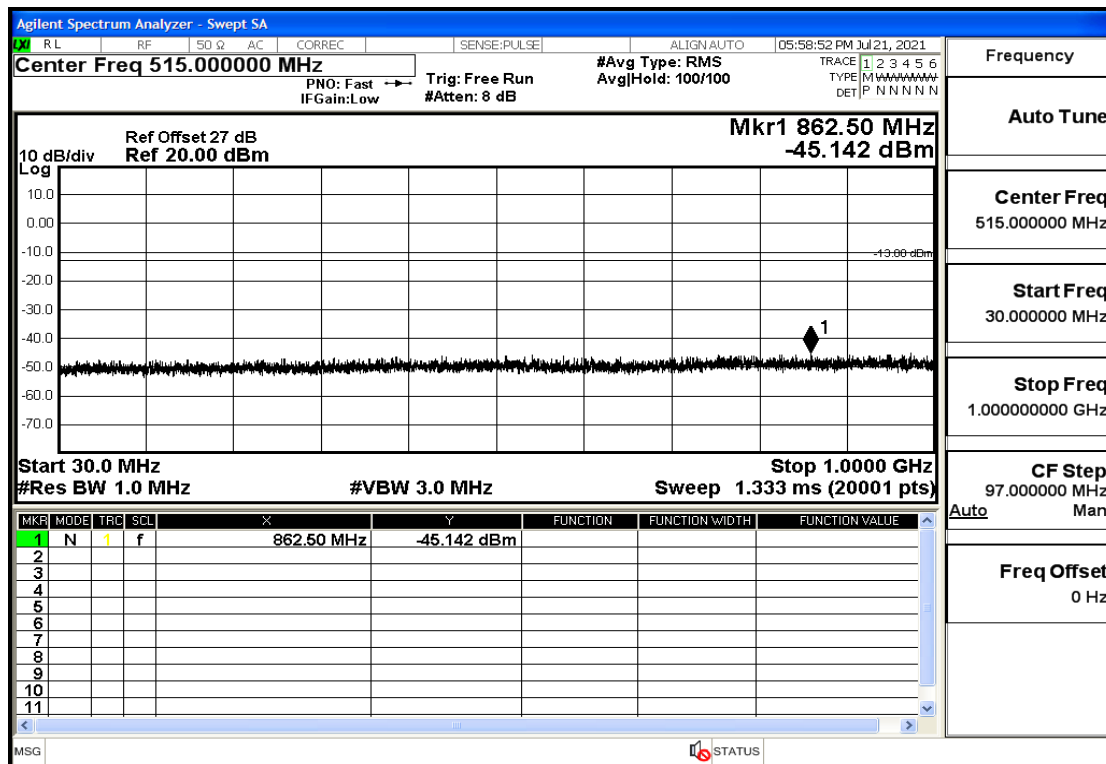
OB2-5-1907.5-QPSK-1#LOW@7GHz-13.6GHz@Pass



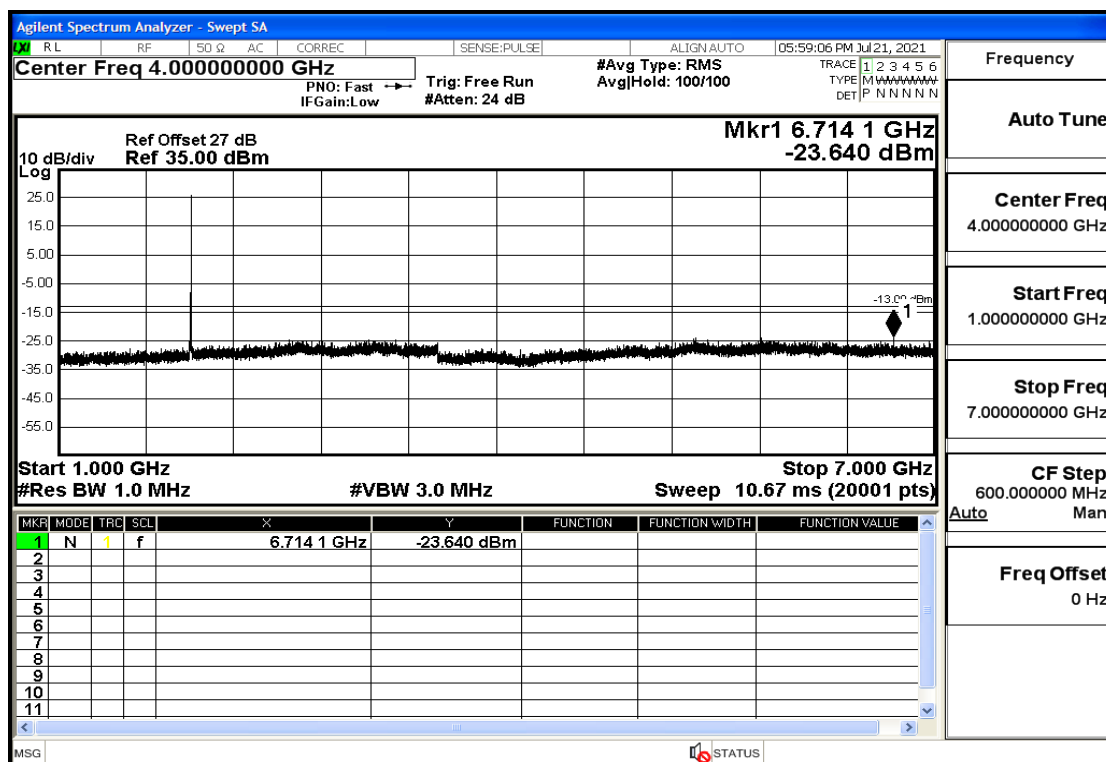
OB2-5-1907.5-QPSK-1#LOW@13.6GHz-20GHz@Pass



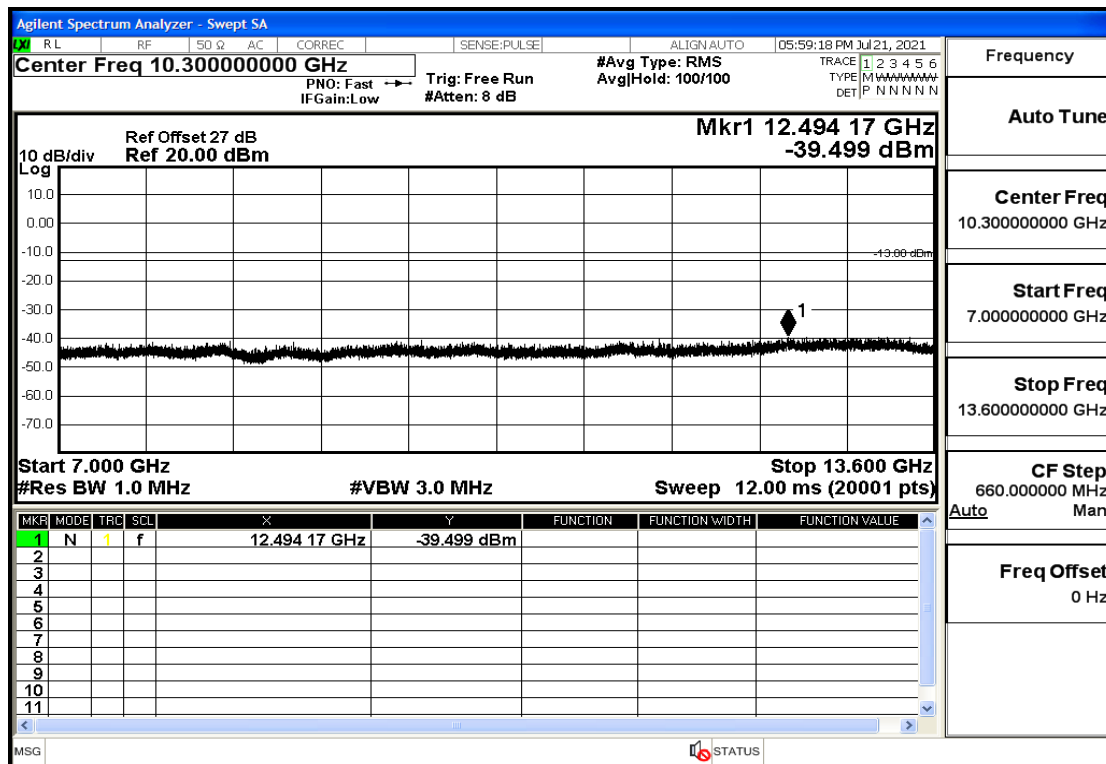
OB2-5-1907.5-QPSK-1#HIGH@30mHz-1GHz@Pass



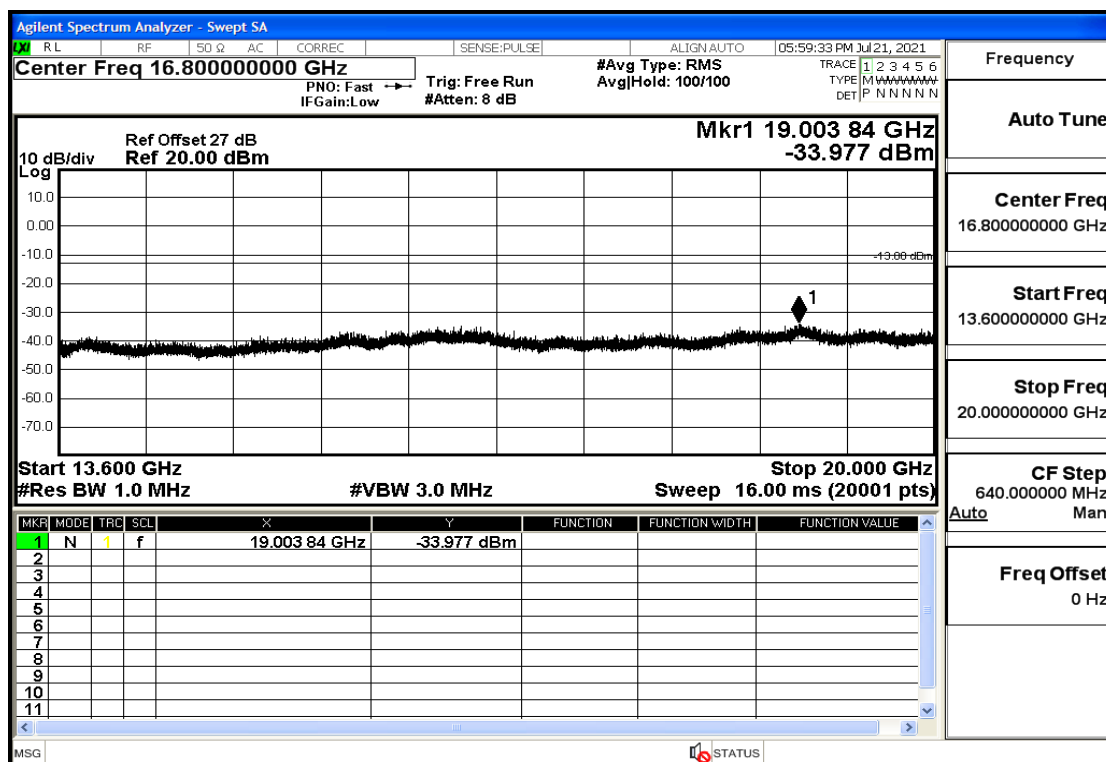
OB2-5-1907.5-QPSK-1#HIGH@1GHz-7GHz@Pass



OB2-5-1907.5-QPSK-1#HIGH@7GHz-13.6GHz@Pass



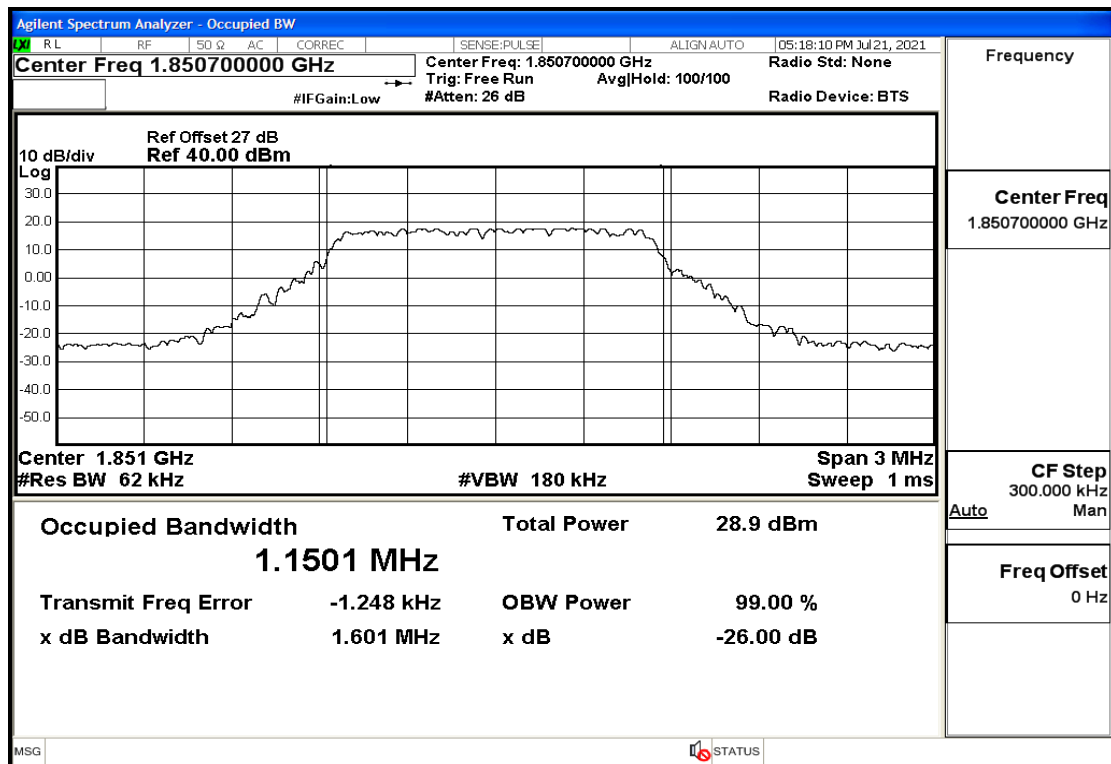
OB2-5-1907.5-QPSK-1#HIGH@13.6GHz-20GHz@Pass



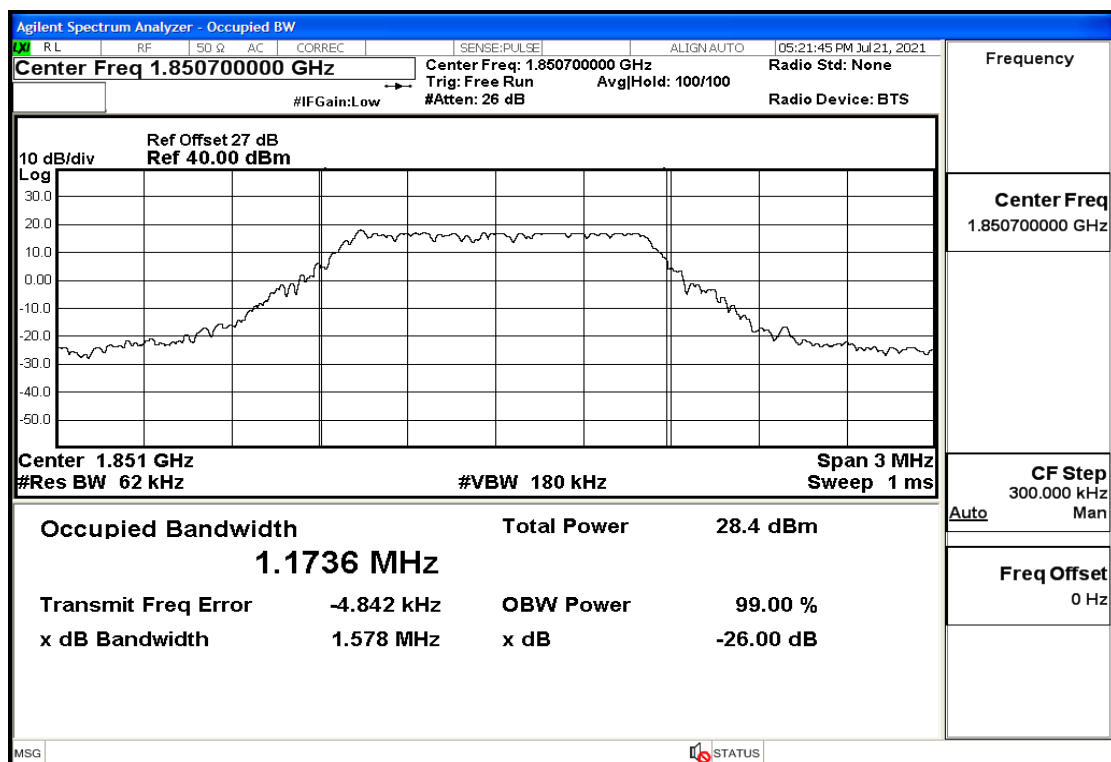
Emission bandwidth and OBW

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Occupied Bandwidth(KHz)	Emission Bandwidth(KHz)	Limit
Band2	1.4	1850.7	QPSK	6	LOW	1150.1	1601	No limit
Band2	1.4	1850.7	16QAM	6	LOW	1173.6	1578	No limit
Band2	1.4	1880	QPSK	6	LOW	1140.6	1599	No limit
Band2	1.4	1880	16QAM	6	LOW	1187.7	1608	No limit
Band2	1.4	1909.3	QPSK	6	LOW	1157.7	1547	No limit
Band2	1.4	1909.3	16QAM	6	LOW	1152.7	1617	No limit
Band2	3	1851.5	QPSK	15	LOW	2813.6	3407	No limit
Band2	3	1851.5	16QAM	15	LOW	2805.7	3374	No limit
Band2	3	1880	QPSK	15	LOW	2803.3	3364	No limit
Band2	3	1880	16QAM	15	LOW	2789	3364	No limit
Band2	3	1908.5	QPSK	15	LOW	2778.6	3350	No limit
Band2	3	1908.5	16QAM	15	LOW	2800	3386	No limit
Band2	5	1852.5	QPSK	25	LOW	4611.1	5336	No limit
Band2	5	1852.5	16QAM	25	LOW	4603.5	5304	No limit
Band2	5	1880	QPSK	25	LOW	4585.9	5302	No limit
Band2	5	1880	16QAM	25	LOW	4597.7	5239	No limit
Band2	5	1907.5	QPSK	25	LOW	4589.9	5323	No limit
Band2	5	1907.5	16QAM	25	LOW	4593.5	5382	No limit

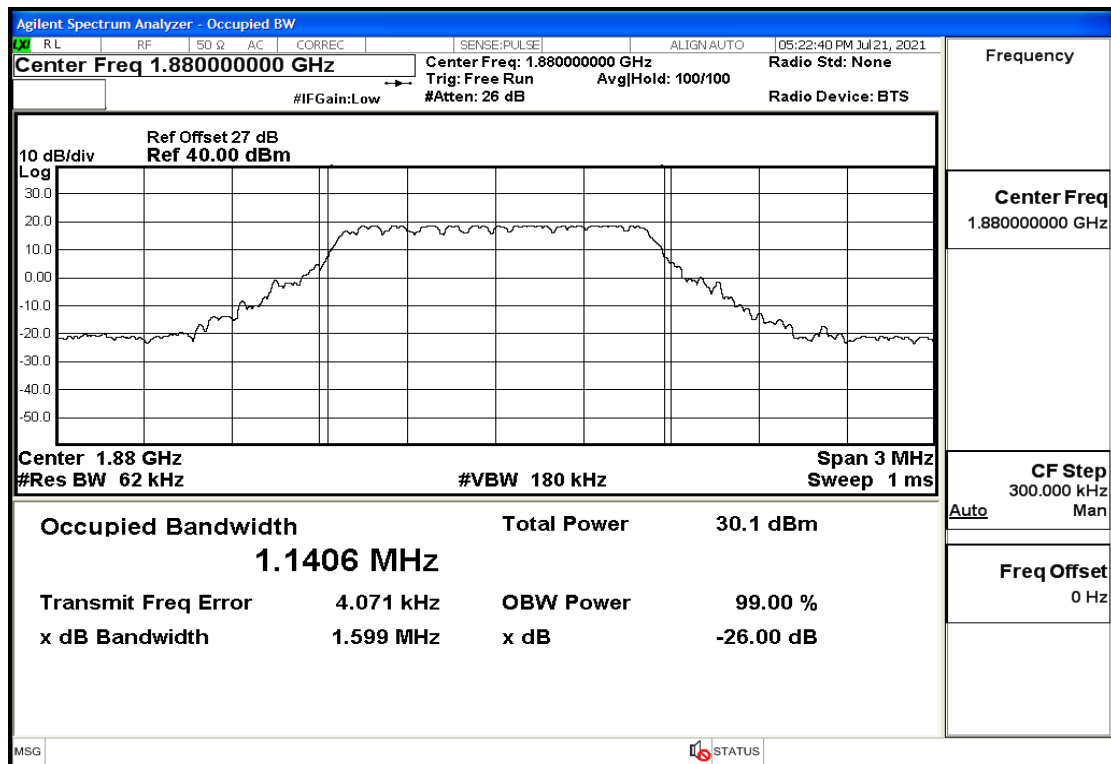
Band2-1.4-1850.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



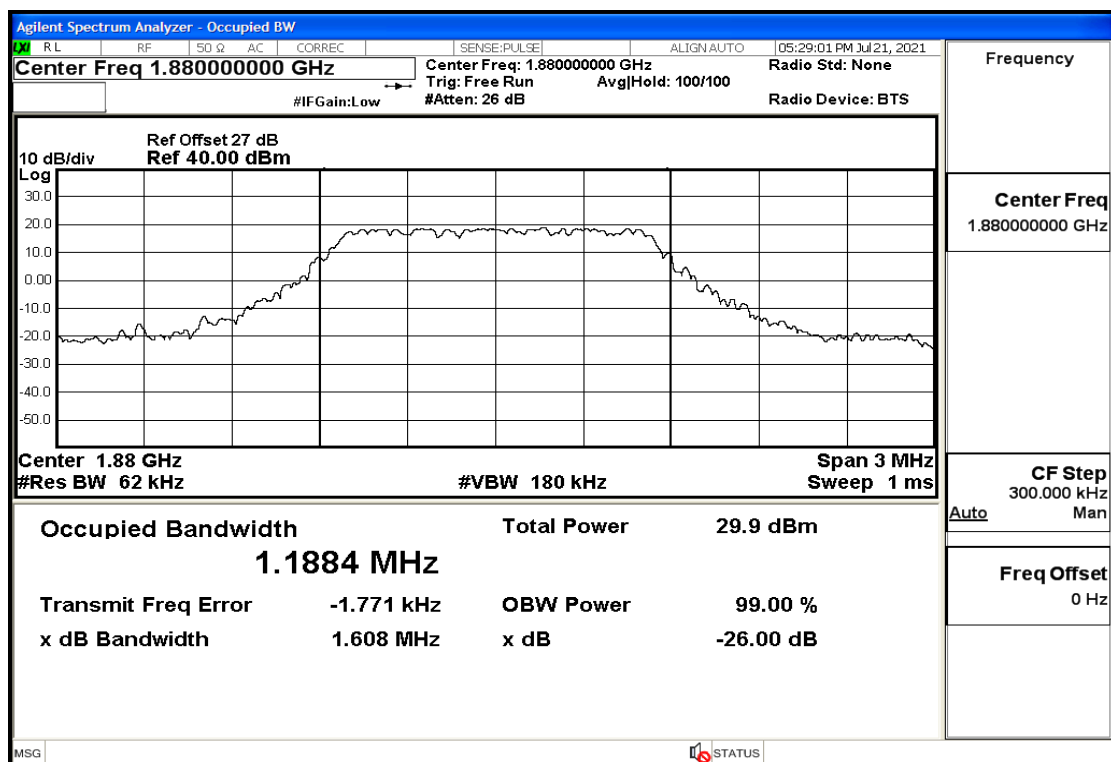
Band2-1.4-1850.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



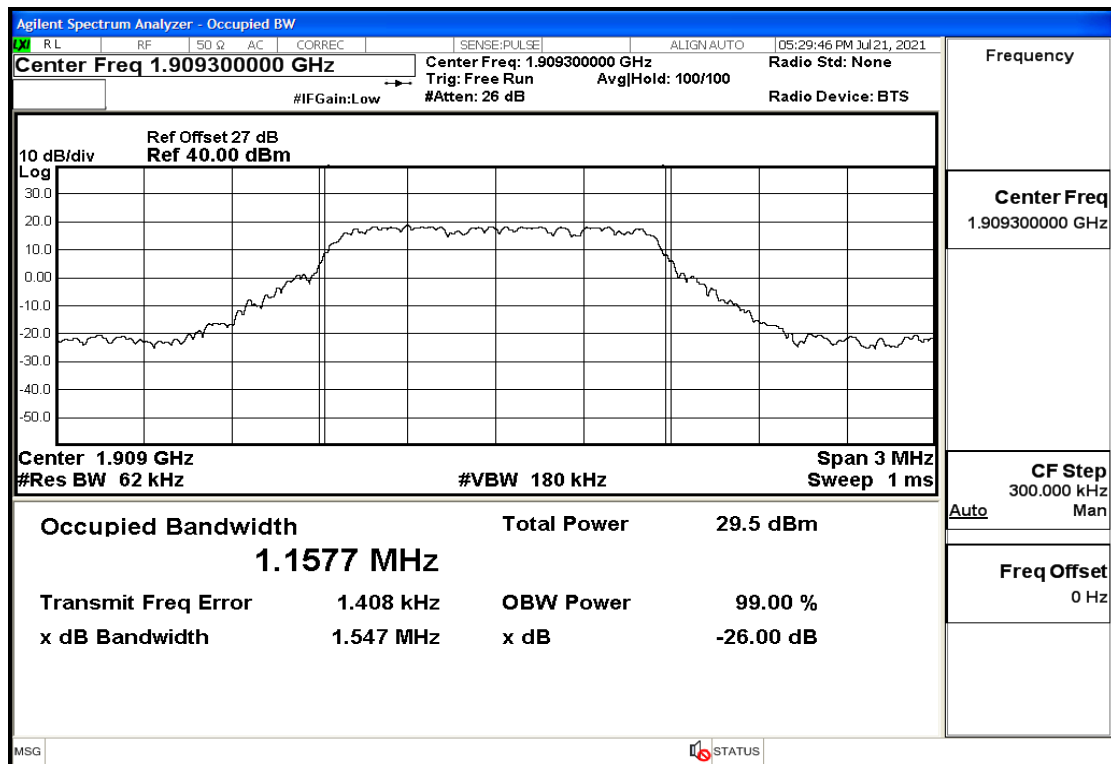
Band2-1.4-1880-QPSK-6#LOW@26dB and 99PCT Bandwidth



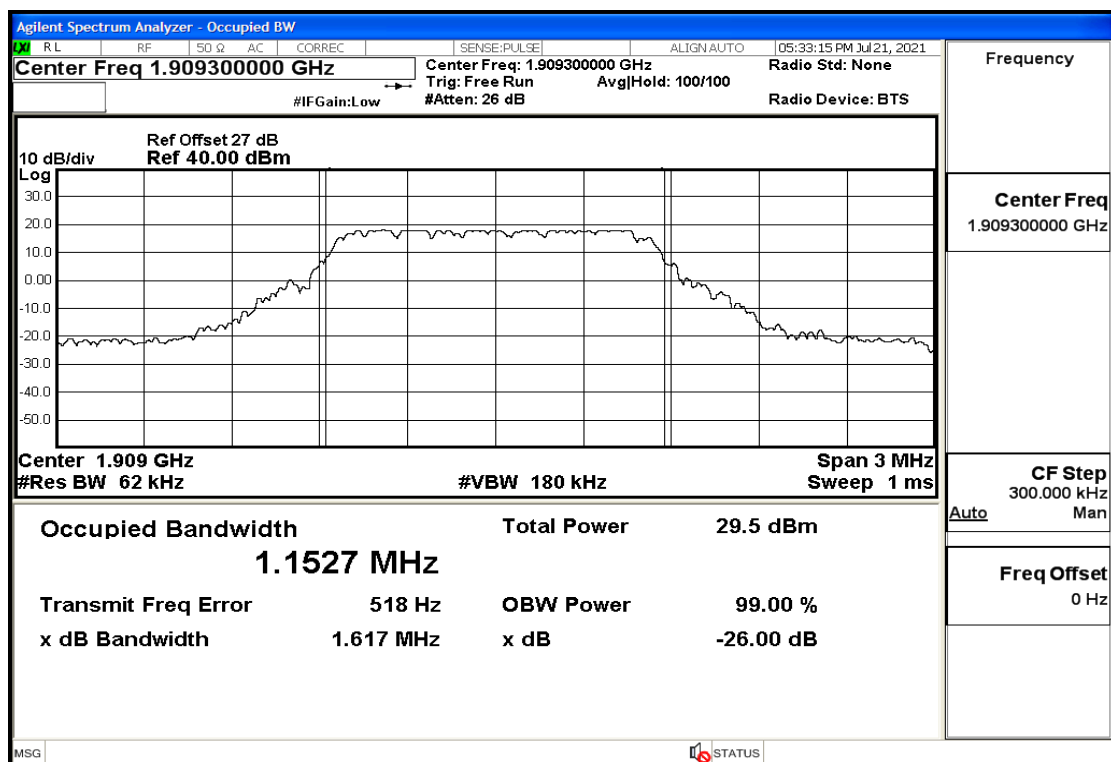
Band2-1.4-1880-16QAM-6#LOW@26dB and 99PCT Bandwidth



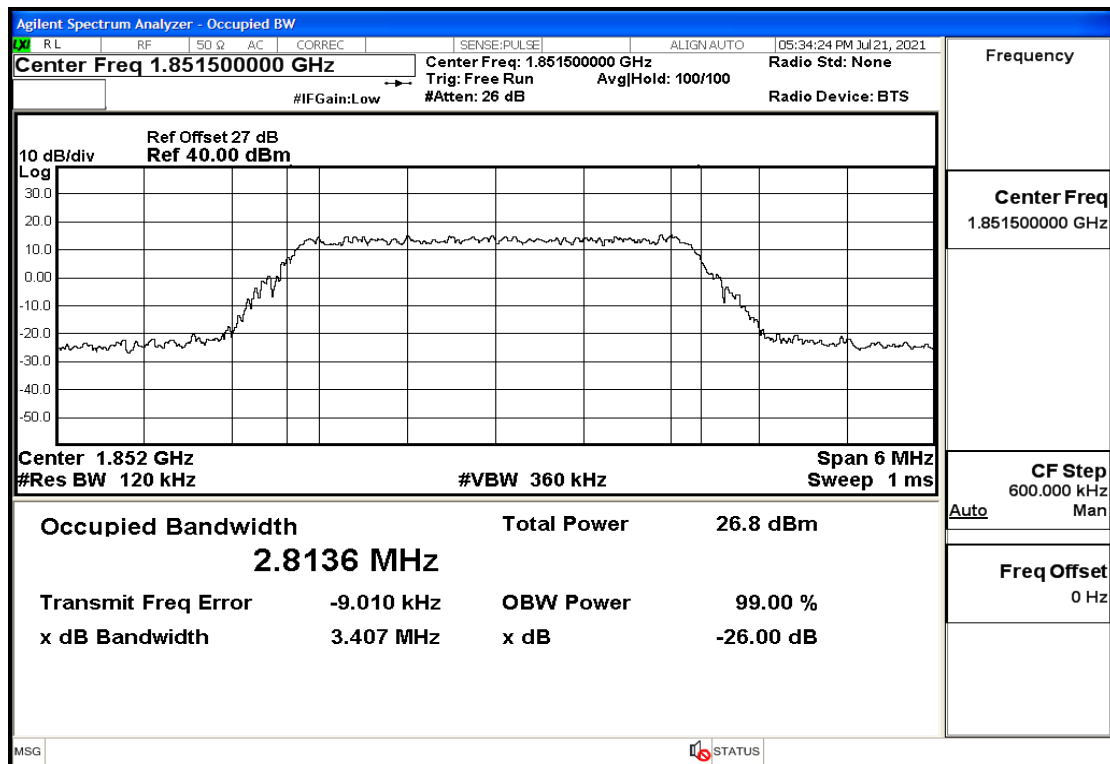
Band2-1.4-1909.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



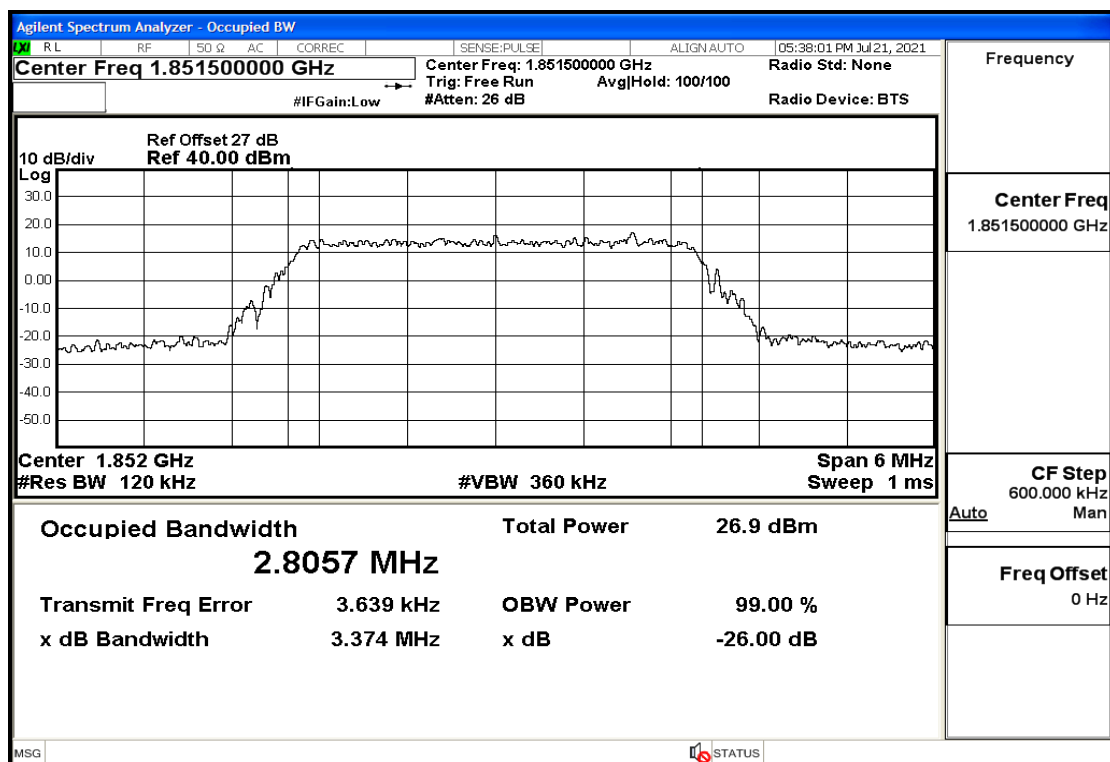
Band2-1.4-1909.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



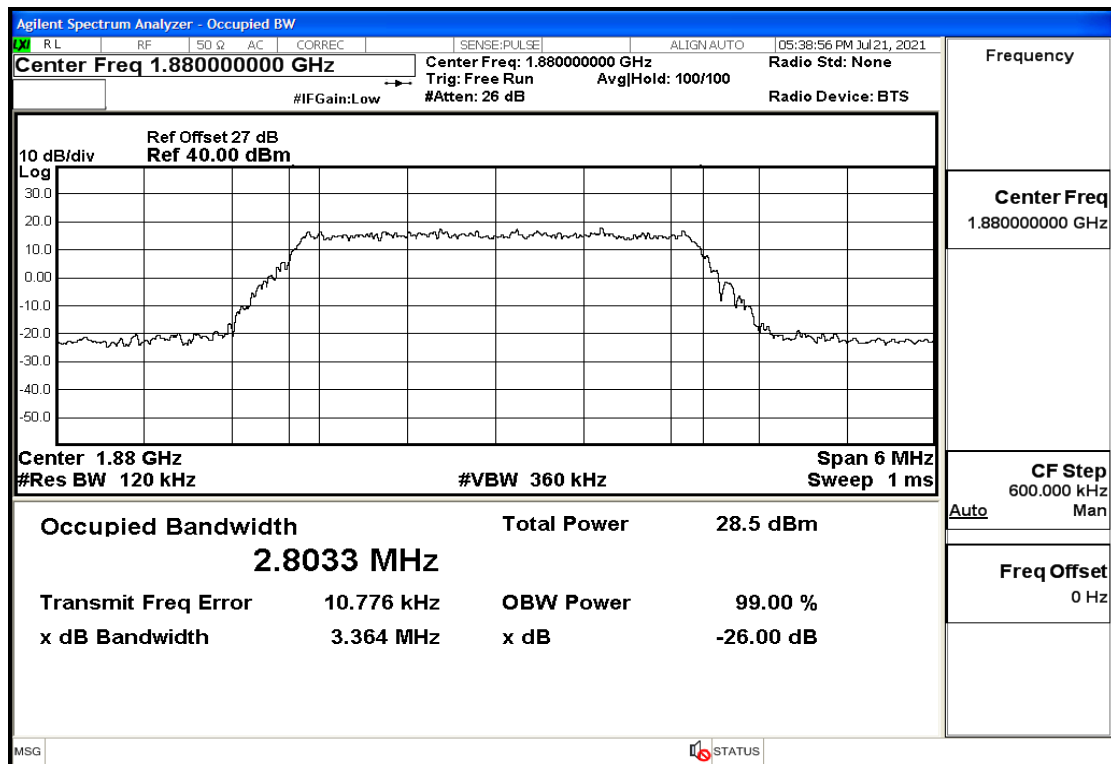
Band2-3-1851.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



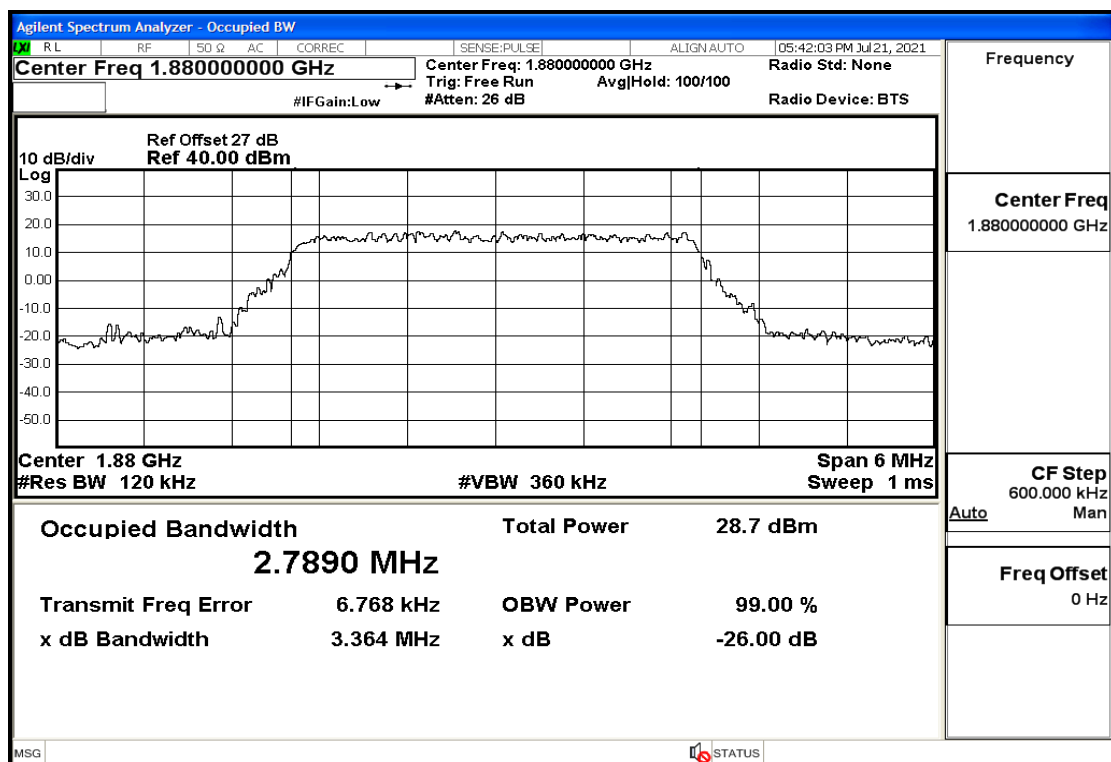
Band2-3-1851.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



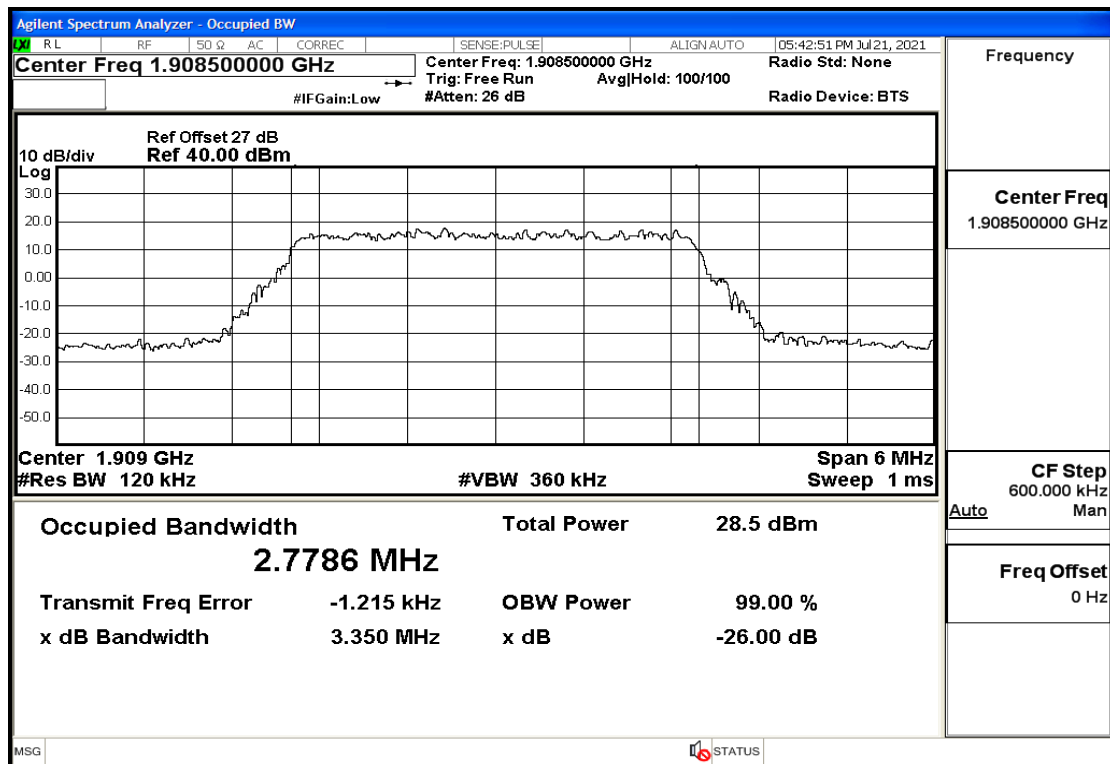
Band2-3-1880-QPSK-15#LOW@26dB and 99PCT Bandwidth



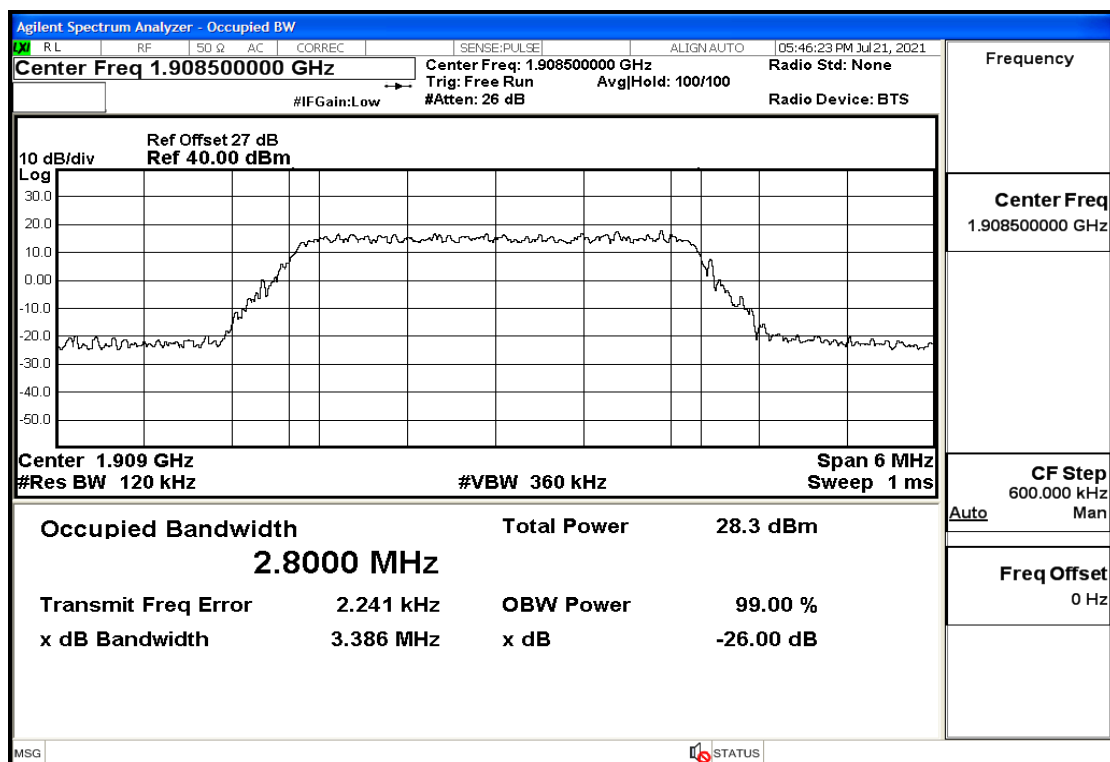
Band2-3-1880-16QAM-15#LOW@26dB and 99PCT Bandwidth



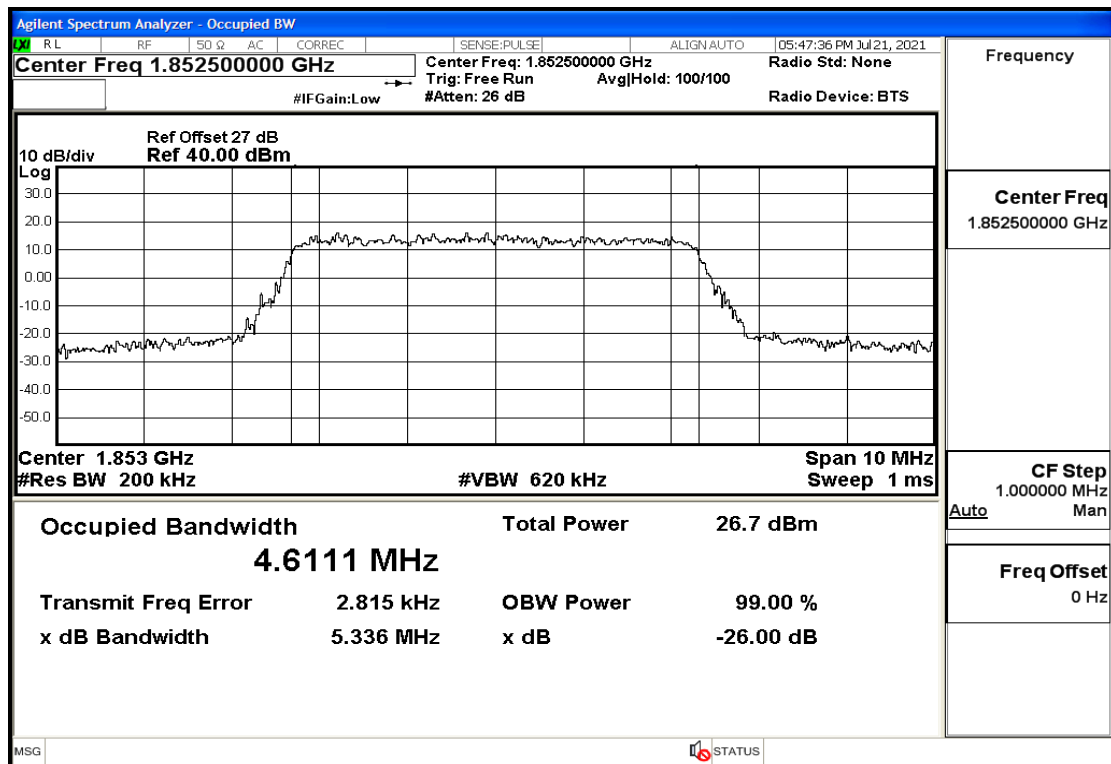
Band2-3-1908.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



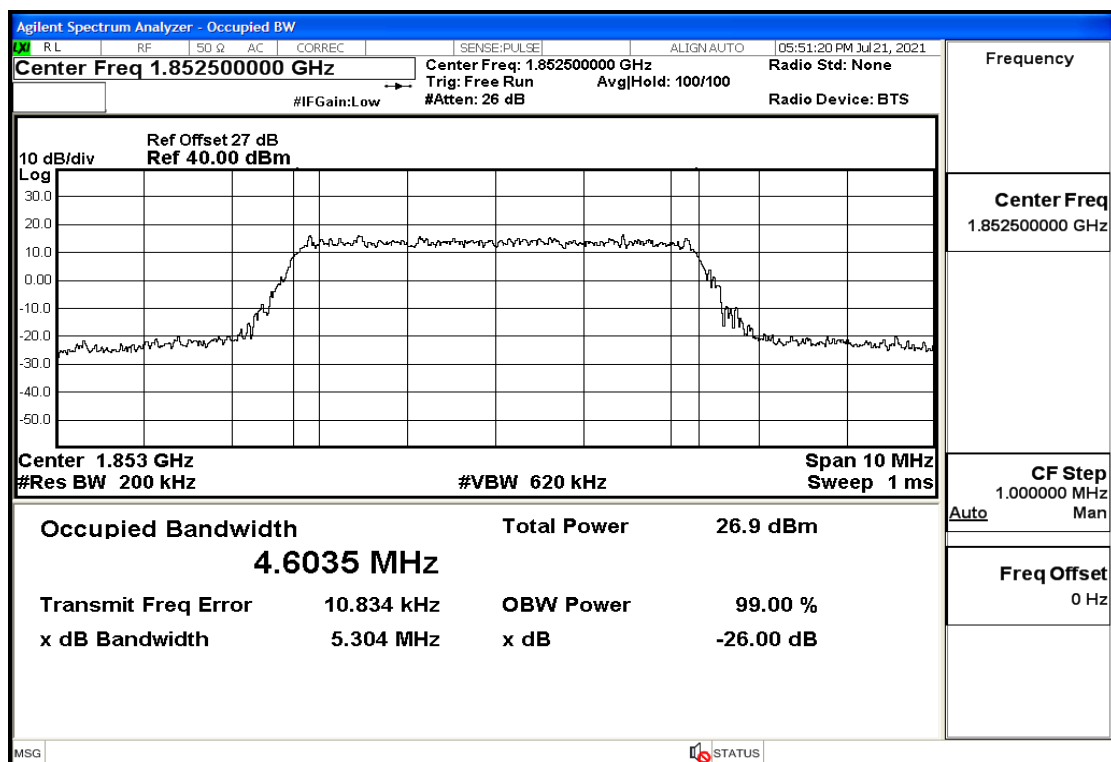
Band2-3-1908.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



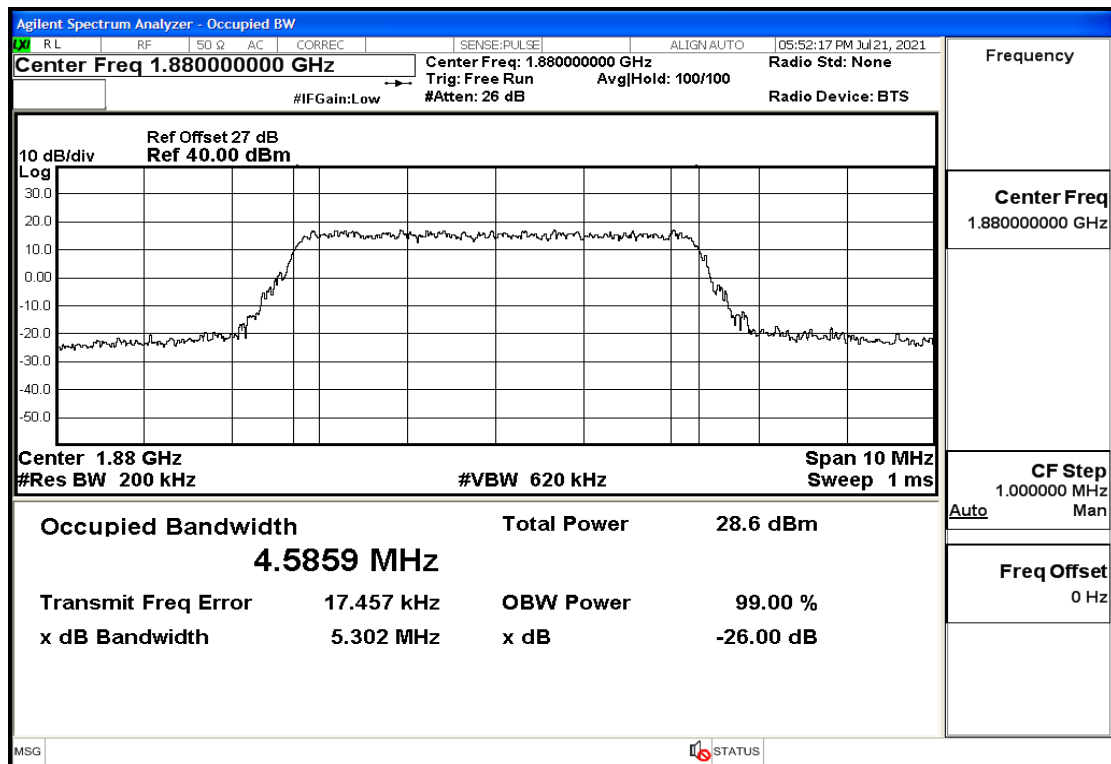
Band2-5-1852.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



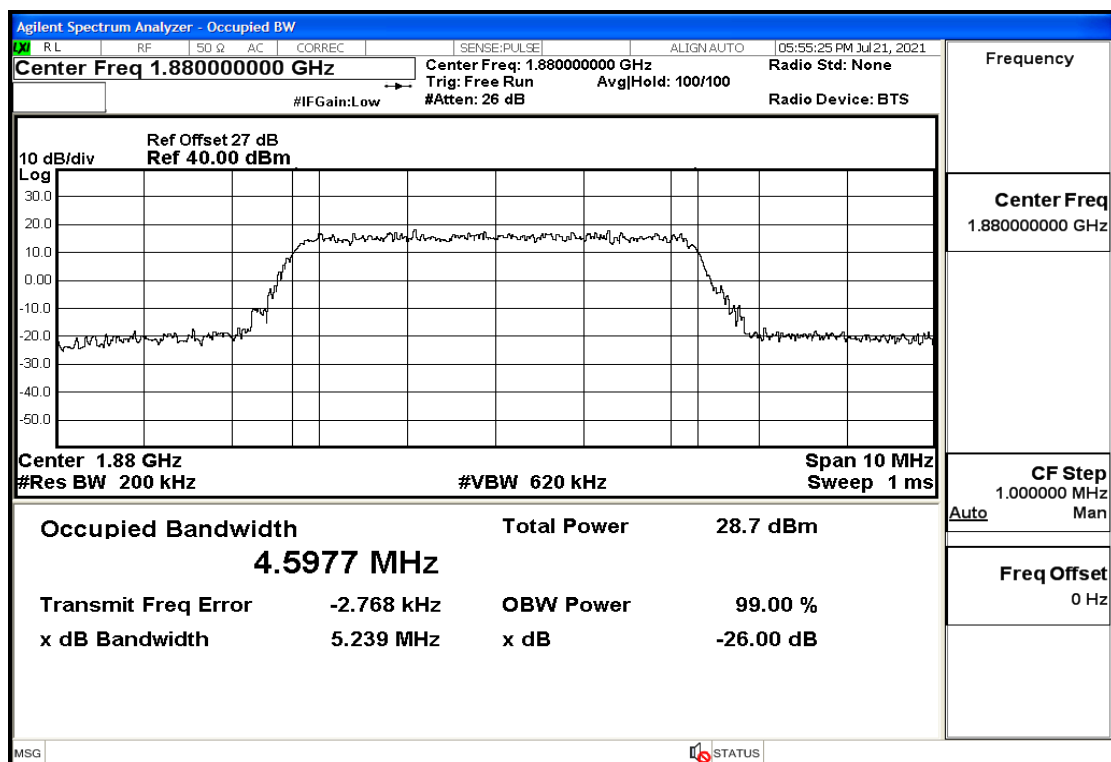
Band2-5-1852.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



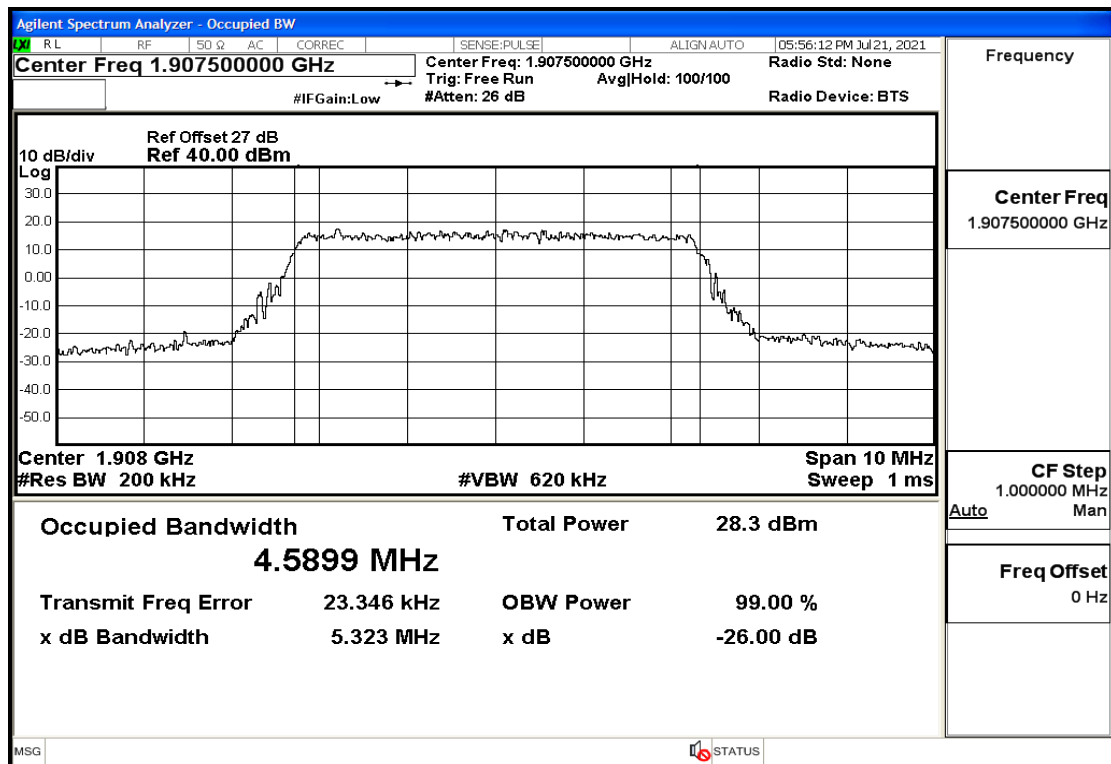
Band2-5-1880-QPSK-25#LOW@26dB and 99PCT Bandwidth



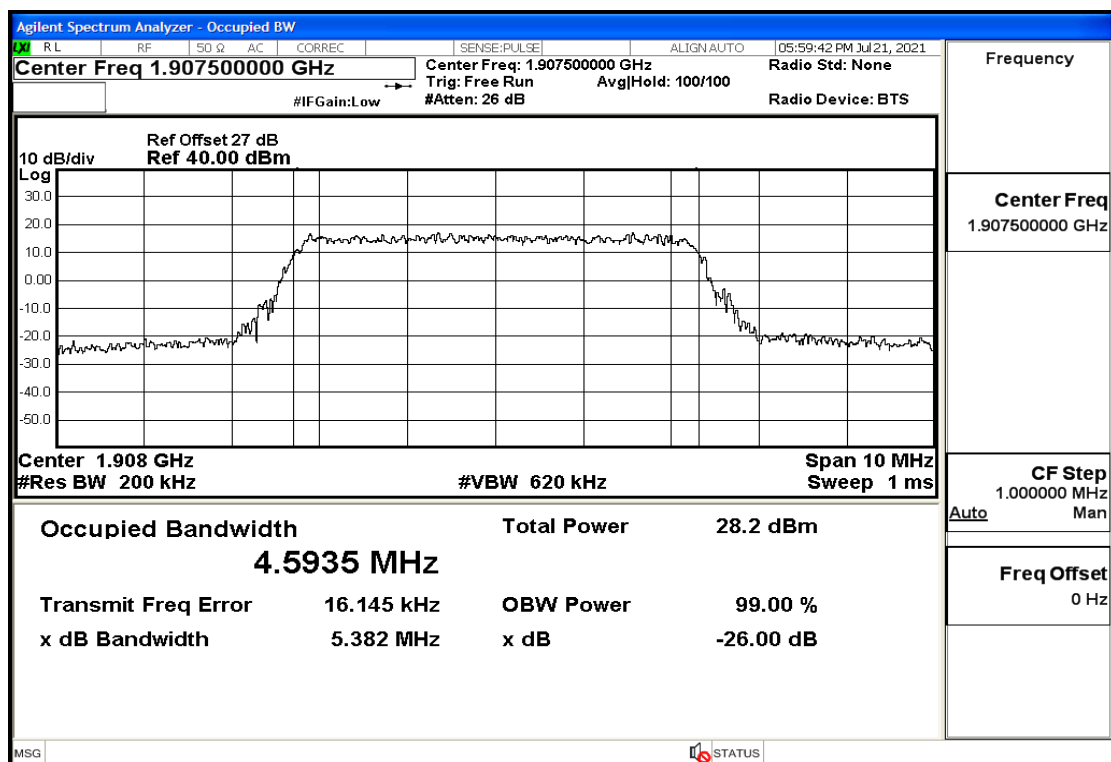
Band2-5-1880-16QAM-25#LOW@26dB and 99PCT Bandwidth



Band2-5-1907.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



Band2-5-1907.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0649	PASS
40	Normal Voltage	0.0338	
30	Normal Voltage	0.0196	
20(Ref.)	Normal Voltage	0.0249	
10	Normal Voltage	0.0687	
0	Normal Voltage	0.0185	
-10	Normal Voltage	0.0478	
-20	Normal Voltage	0.0333	
-30	Normal Voltage	0.0186	
20	Maximum Voltage	0.0173	
20	Normal Voltage	0.0248	
20	Battery End Point	0.0582	

Peak and Average Power

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Average Power	Peak Power	Peak to Average(dB)	limit(dB)	AntGain(dBi)	ERP/EIRP(dBm)	Limit(dBm)	Conclusion
Band2	1.4	1850.7	QPSK	6	LOW	20.03	26.26	6.23	13	1.37	21.4	33	Pass
Band2	1.4	1850.7	QPSK	3	LOW	19.65	26.17	6.52	13	1.37	21.02	33	Pass
Band2	1.4	1850.7	QPSK	3	MID	19.63	26.16	6.53	13	1.37	21	33	Pass
Band2	1.4	1850.7	QPSK	3	HIGH	19.64	26.07	6.43	13	1.37	21.01	33	Pass
Band2	1.4	1850.7	QPSK	1	LOW	19.53	25.21	5.68	13	1.37	20.9	33	Pass
Band2	1.4	1850.7	QPSK	1	MID	19.42	25.3	5.88	13	1.37	20.79	33	Pass
Band2	1.4	1850.7	QPSK	1	HIGH	19.35	25.21	5.86	13	1.37	20.72	33	Pass
Band2	1.4	1850.7	16QAM	6	LOW	19.41	26.47	7.06	13	1.37	20.78	33	Pass
Band2	1.4	1850.7	16QAM	3	LOW	19.38	26.44	7.06	13	1.37	20.75	33	Pass
Band2	1.4	1850.7	16QAM	3	MID	19.38	26.45	7.07	13	1.37	20.75	33	Pass
Band2	1.4	1850.7	16QAM	3	HIGH	19.39	26.37	6.98	13	1.37	20.76	33	Pass
Band2	1.4	1850.7	16QAM	1	LOW	19.5	24.91	5.41	13	1.37	20.87	33	Pass
Band2	1.4	1850.7	16QAM	1	MID	19.53	25.19	5.66	13	1.37	20.9	33	Pass
Band2	1.4	1850.7	16QAM	1	HIGH	19.47	25	5.53	13	1.37	20.84	33	Pass
Band2	1.4	1880	QPSK	6	LOW	20.99	27.56	6.57	13	1.37	22.36	33	Pass
Band2	1.4	1880	QPSK	3	LOW	20.89	27.13	6.24	13	1.37	22.26	33	Pass
Band2	1.4	1880	QPSK	3	MID	20.88	27.12	6.24	13	1.37	22.25	33	Pass
Band2	1.4	1880	QPSK	3	HIGH	20.92	26.99	6.07	13	1.37	22.29	33	Pass
Band2	1.4	1880	QPSK	1	LOW	20.89	26.76	5.87	13	1.37	22.26	33	Pass
Band2	1.4	1880	QPSK	1	MID	20.96	26.69	5.73	13	1.37	22.33	33	Pass
Band2	1.4	1880	QPSK	1	HIGH	20.93	26.75	5.82	13	1.37	22.3	33	Pass
Band2	1.4	1880	16QAM	6	LOW	20.85	27.94	7.09	13	1.37	22.22	33	Pass
Band2	1.4	1880	16QAM	3	LOW	21.11	27.07	5.96	13	1.37	22.48	33	Pass
Band2	1.4	1880	16QAM	3	MID	21.1	27.07	5.97	13	1.37	22.47	33	Pass
Band2	1.4	1880	16QAM	3	HIGH	21.14	27.23	6.09	13	1.37	22.51	33	Pass
Band2	1.4	1880	16QAM	1	LOW	20.93	26.58	5.65	13	1.37	22.3	33	Pass
Band2	1.4	1880	16QAM	1	MID	21	26.62	5.62	13	1.37	22.37	33	Pass
Band2	1.4	1880	16QAM	1	HIGH	21.02	26.67	5.65	13	1.37	22.39	33	Pass
Band2	1.4	1909.3	QPSK	6	LOW	20.42	26.36	5.94	13	1.37	21.79	33	Pass
Band2	1.4	1909.3	QPSK	3	LOW	20.27	26.1	5.83	13	1.37	21.64	33	Pass
Band2	1.4	1909.3	QPSK	3	MID	20.26	26.08	5.82	13	1.37	21.63	33	Pass
Band2	1.4	1909.3	QPSK	3	HIGH	20.21	26.03	5.82	13	1.37	21.58	33	Pass
Band2	1.4	1909.3	QPSK	1	LOW	20.29	25.91	5.62	13	1.37	21.66	33	Pass
Band2	1.4	1909.3	QPSK	1	MID	20.29	25.72	5.43	13	1.37	21.66	33	Pass
Band2	1.4	1909.3	QPSK	1	HIGH	20.22	25.76	5.54	13	1.37	21.59	33	Pass
Band2	1.4	1909.3	16QAM	6	LOW	20.32	27.04	6.72	13	1.37	21.69	33	Pass
Band2	1.4	1909.3	16QAM	3	LOW	20.39	26.77	6.38	13	1.37	21.76	33	Pass
Band2	1.4	1909.3	16QAM	3	MID	20.39	26.76	6.37	13	1.37	21.76	33	Pass
Band2	1.4	1909.3	16QAM	3	HIGH	20.34	26.83	6.49	13	1.37	21.71	33	Pass
Band2	1.4	1909.3	16QAM	1	LOW	20.48	25.55	5.07	13	1.37	21.85	33	Pass

Band2	1.4	1909.3	16QAM	1	MID	20.47	25.68	5.21	13	1.37	21.84	33	Pass
Band2	1.4	1909.3	16QAM	1	HIGH	20.39	25.53	5.14	13	1.37	21.76	33	Pass
Band2	3	1851.5	QPSK	15	LOW	18.87	25.78	6.91	13	1.37	20.24	33	Pass
Band2	3	1851.5	QPSK	8	LOW	18.88	25.17	6.29	13	1.37	20.25	33	Pass
Band2	3	1851.5	QPSK	8	MID	18.88	25.21	6.33	13	1.37	20.25	33	Pass
Band2	3	1851.5	QPSK	8	HIGH	18.84	25.16	6.32	13	1.37	20.21	33	Pass
Band2	3	1851.5	QPSK	1	LOW	18.81	24.44	5.63	13	1.37	20.18	33	Pass
Band2	3	1851.5	QPSK	1	MID	18.89	24.61	5.72	13	1.37	20.26	33	Pass
Band2	3	1851.5	QPSK	1	HIGH	18.74	24.43	5.69	13	1.37	20.11	33	Pass
Band2	3	1851.5	16QAM	15	LOW	19	26.46	7.46	13	1.37	20.37	33	Pass
Band2	3	1851.5	16QAM	8	LOW	19.1	26.08	6.98	13	1.37	20.47	33	Pass
Band2	3	1851.5	16QAM	8	MID	19.09	26.1	7.01	13	1.37	20.46	33	Pass
Band2	3	1851.5	16QAM	8	HIGH	19.07	26.04	6.97	13	1.37	20.44	33	Pass
Band2	3	1851.5	16QAM	1	LOW	19.55	26.19	6.64	13	1.37	20.92	33	Pass
Band2	3	1851.5	16QAM	1	MID	19.64	26.22	6.58	13	1.37	21.01	33	Pass
Band2	3	1851.5	16QAM	1	HIGH	19.48	26.28	6.8	13	1.37	20.85	33	Pass
Band2	3	1880	QPSK	15	LOW	20.71	26.85	6.14	13	1.37	22.08	33	Pass
Band2	3	1880	QPSK	8	LOW	20.66	26.82	6.16	13	1.37	22.03	33	Pass
Band2	3	1880	QPSK	8	MID	20.66	26.83	6.17	13	1.37	22.03	33	Pass
Band2	3	1880	QPSK	8	HIGH	20.74	26.96	6.22	13	1.37	22.11	33	Pass
Band2	3	1880	QPSK	1	LOW	20.64	26.32	5.68	13	1.37	22.01	33	Pass
Band2	3	1880	QPSK	1	MID	20.81	26.36	5.55	13	1.37	22.18	33	Pass
Band2	3	1880	QPSK	1	HIGH	20.71	26.4	5.69	13	1.37	22.08	33	Pass
Band2	3	1880	16QAM	15	LOW	20.72	27.97	7.25	13	1.37	22.09	33	Pass
Band2	3	1880	16QAM	8	LOW	20.66	26.96	6.3	13	1.37	22.03	33	Pass
Band2	3	1880	16QAM	8	MID	20.66	26.97	6.31	13	1.37	22.03	33	Pass
Band2	3	1880	16QAM	8	HIGH	20.74	27.09	6.35	13	1.37	22.11	33	Pass
Band2	3	1880	16QAM	1	LOW	20.76	25.94	5.18	13	1.37	22.13	33	Pass
Band2	3	1880	16QAM	1	MID	20.93	25.84	4.91	13	1.37	22.3	33	Pass
Band2	3	1880	16QAM	1	HIGH	20.84	25.97	5.13	13	1.37	22.21	33	Pass
Band2	3	1908.5	QPSK	15	LOW	20.34	27.33	6.99	13	1.37	21.71	33	Pass
Band2	3	1908.5	QPSK	8	LOW	20.19	26.53	6.34	13	1.37	21.56	33	Pass
Band2	3	1908.5	QPSK	8	MID	20.2	26.62	6.42	13	1.37	21.57	33	Pass
Band2	3	1908.5	QPSK	8	HIGH	20.17	26.56	6.39	13	1.37	21.54	33	Pass
Band2	3	1908.5	QPSK	1	LOW	20.11	25.65	5.54	13	1.37	21.48	33	Pass
Band2	3	1908.5	QPSK	1	MID	20.22	25.65	5.43	13	1.37	21.59	33	Pass
Band2	3	1908.5	QPSK	1	HIGH	20.02	25.61	5.59	13	1.37	21.39	33	Pass
Band2	3	1908.5	16QAM	15	LOW	20.29	27.54	7.25	13	1.37	21.66	33	Pass
Band2	3	1908.5	16QAM	8	LOW	20.38	26.76	6.38	13	1.37	21.75	33	Pass
Band2	3	1908.5	16QAM	8	MID	20.39	26.67	6.28	13	1.37	21.76	33	Pass
Band2	3	1908.5	16QAM	8	HIGH	20.37	26.46	6.09	13	1.37	21.74	33	Pass
Band2	3	1908.5	16QAM	1	LOW	20.46	25.83	5.37	13	1.37	21.83	33	Pass
Band2	3	1908.5	16QAM	1	MID	20.57	25.71	5.14	13	1.37	21.94	33	Pass
Band2	3	1908.5	16QAM	1	HIGH	20.36	25.63	5.27	13	1.37	21.73	33	Pass
Band2	5	1852.5	QPSK	25	LOW	18.81	25.4	6.59	13	1.37	20.18	33	Pass
Band2	5	1852.5	QPSK	12	LOW	18.81	25.02	6.21	13	1.37	20.18	33	Pass

Band2	5	1852.5	QPSK	12	MID	18.85	25.34	6.49	13	1.37	20.22	33	Pass
Band2	5	1852.5	QPSK	12	HIGH	18.75	25.16	6.41	13	1.37	20.12	33	Pass
Band2	5	1852.5	QPSK	1	LOW	18.74	25.7	6.96	13	1.37	20.11	33	Pass
Band2	5	1852.5	QPSK	1	MID	18.94	25.96	7.02	13	1.37	20.31	33	Pass
Band2	5	1852.5	QPSK	1	HIGH	18.55	25.67	7.12	13	1.37	19.92	33	Pass
Band2	5	1852.5	16QAM	25	LOW	18.94	26.89	7.95	13	1.37	20.31	33	Pass
Band2	5	1852.5	16QAM	12	LOW	18.91	26.58	7.67	13	1.37	20.28	33	Pass
Band2	5	1852.5	16QAM	12	MID	18.91	26.54	7.63	13	1.37	20.28	33	Pass
Band2	5	1852.5	16QAM	12	HIGH	18.83	26.54	7.71	13	1.37	20.2	33	Pass
Band2	5	1852.5	16QAM	1	LOW	18.87	25.05	6.18	13	1.37	20.24	33	Pass
Band2	5	1852.5	16QAM	1	MID	19.07	25.3	6.23	13	1.37	20.44	33	Pass
Band2	5	1852.5	16QAM	1	HIGH	18.68	24.94	6.26	13	1.37	20.05	33	Pass
Band2	5	1880	QPSK	25	LOW	20.67	27.38	6.71	13	1.37	22.04	33	Pass
Band2	5	1880	QPSK	12	LOW	20.6	27.11	6.51	13	1.37	21.97	33	Pass
Band2	5	1880	QPSK	12	MID	20.6	27.26	6.66	13	1.37	21.97	33	Pass
Band2	5	1880	QPSK	12	HIGH	20.66	27.28	6.62	13	1.37	22.03	33	Pass
Band2	5	1880	QPSK	1	LOW	20.47	26.26	5.79	13	1.37	21.84	33	Pass
Band2	5	1880	QPSK	1	MID	20.84	26.48	5.64	13	1.37	22.21	33	Pass
Band2	5	1880	QPSK	1	HIGH	20.52	26.39	5.87	13	1.37	21.89	33	Pass
Band2	5	1880	16QAM	25	LOW	20.7	28.34	7.64	13	1.37	22.07	33	Pass
Band2	5	1880	16QAM	12	LOW	20.68	27.38	6.7	13	1.37	22.05	33	Pass
Band2	5	1880	16QAM	12	MID	20.68	27.36	6.68	13	1.37	22.05	33	Pass
Band2	5	1880	16QAM	12	HIGH	20.76	27.26	6.5	13	1.37	22.13	33	Pass
Band2	5	1880	16QAM	1	LOW	20.76	26.6	5.84	13	1.37	22.13	33	Pass
Band2	5	1880	16QAM	1	MID	21.12	26.74	5.62	13	1.37	22.49	33	Pass
Band2	5	1880	16QAM	1	HIGH	20.81	26.57	5.76	13	1.37	22.18	33	Pass
Band2	5	1907.5	QPSK	25	LOW	20.26	26.54	6.28	13	1.37	21.63	33	Pass
Band2	5	1907.5	QPSK	12	LOW	20.1	26.19	6.09	13	1.37	21.47	33	Pass
Band2	5	1907.5	QPSK	12	MID	20.09	26.07	5.98	13	1.37	21.46	33	Pass
Band2	5	1907.5	QPSK	12	HIGH	20.16	26.15	5.99	13	1.37	21.53	33	Pass
Band2	5	1907.5	QPSK	1	LOW	19.86	25.88	6.02	13	1.37	21.23	33	Pass
Band2	5	1907.5	QPSK	1	MID	20.26	26.15	5.89	13	1.37	21.63	33	Pass
Band2	5	1907.5	QPSK	1	HIGH	19.9	25.84	5.94	13	1.37	21.27	33	Pass
Band2	5	1907.5	16QAM	25	LOW	20.16	27.59	7.43	13	1.37	21.53	33	Pass
Band2	5	1907.5	16QAM	12	LOW	20.15	27.15	7	13	1.37	21.52	33	Pass
Band2	5	1907.5	16QAM	12	MID	20.15	27.16	7.01	13	1.37	21.52	33	Pass
Band2	5	1907.5	16QAM	12	HIGH	20.21	27.08	6.87	13	1.37	21.58	33	Pass
Band2	5	1907.5	16QAM	1	LOW	20.03	26.66	6.63	13	1.37	21.4	33	Pass
Band2	5	1907.5	16QAM	1	MID	20.41	26.75	6.34	13	1.37	21.78	33	Pass
Band2	5	1907.5	16QAM	1	HIGH	20.03	26.4	6.37	13	1.37	21.4	33	Pass