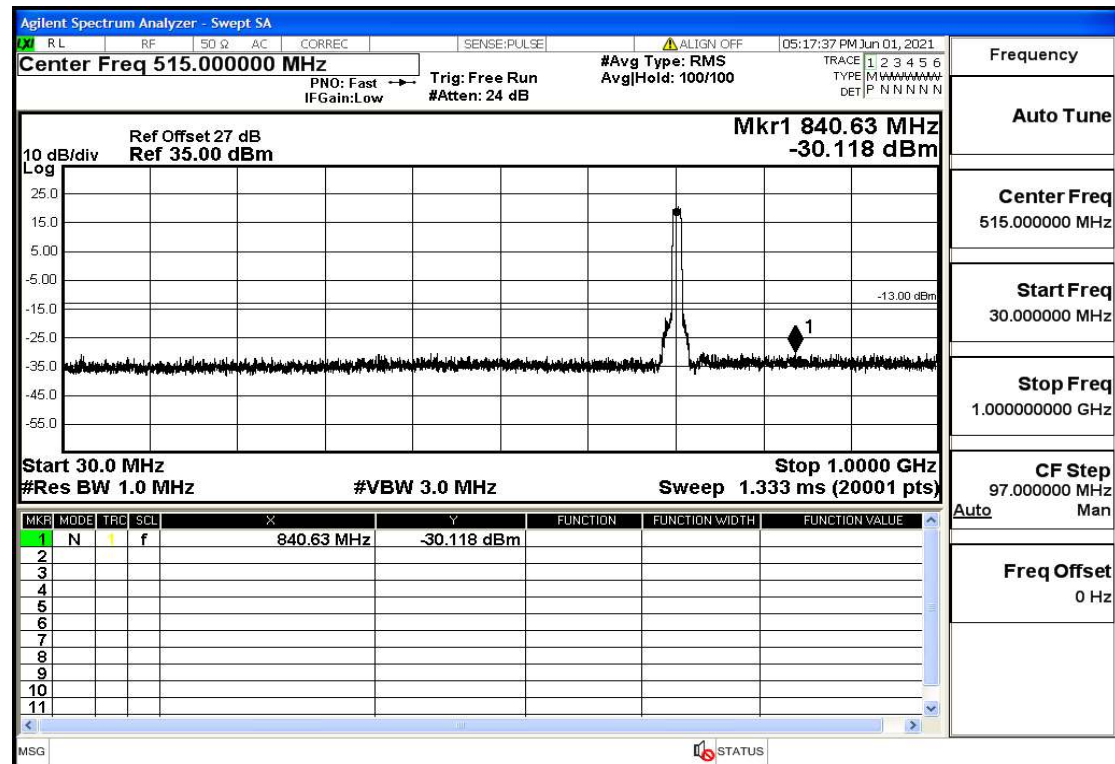
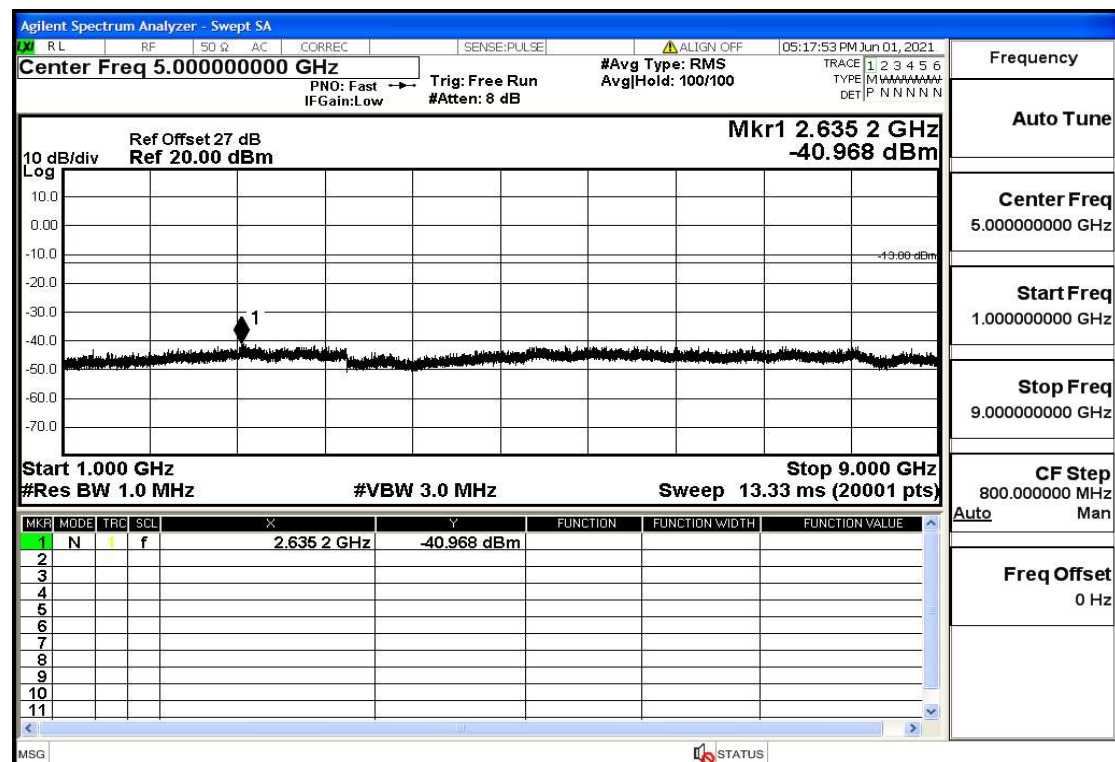


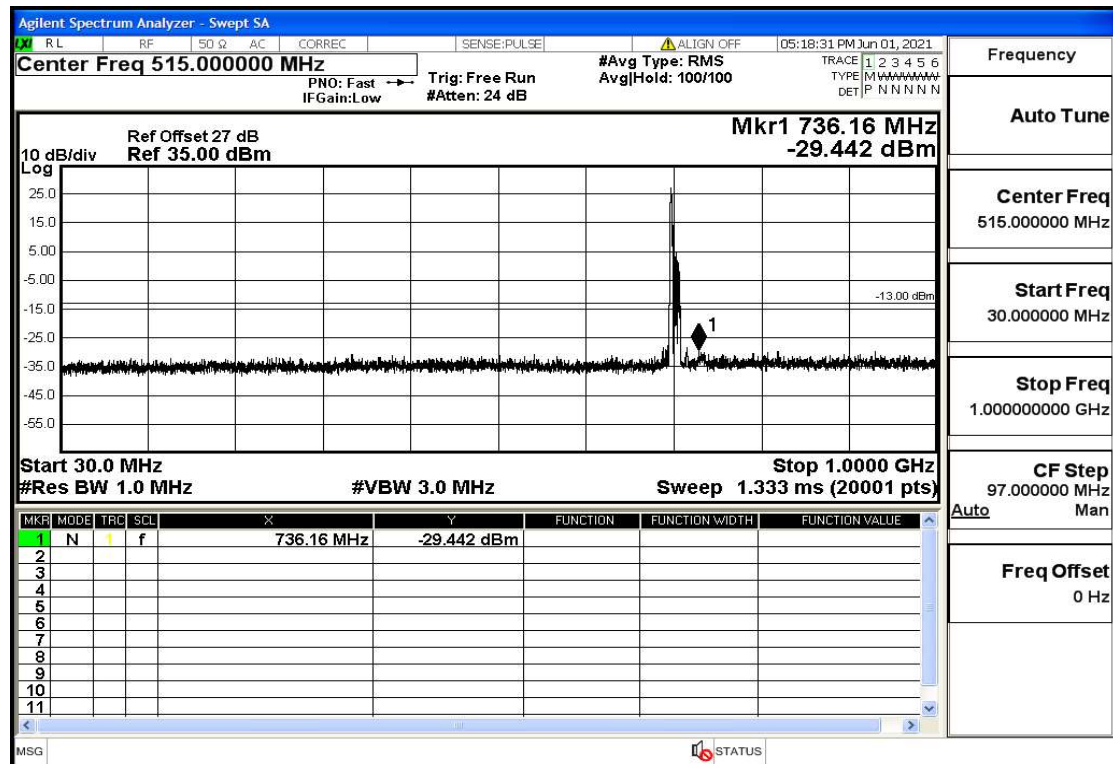
OB17-10-709-QPSK-50#LOW@30mHz-1GHz@Pass



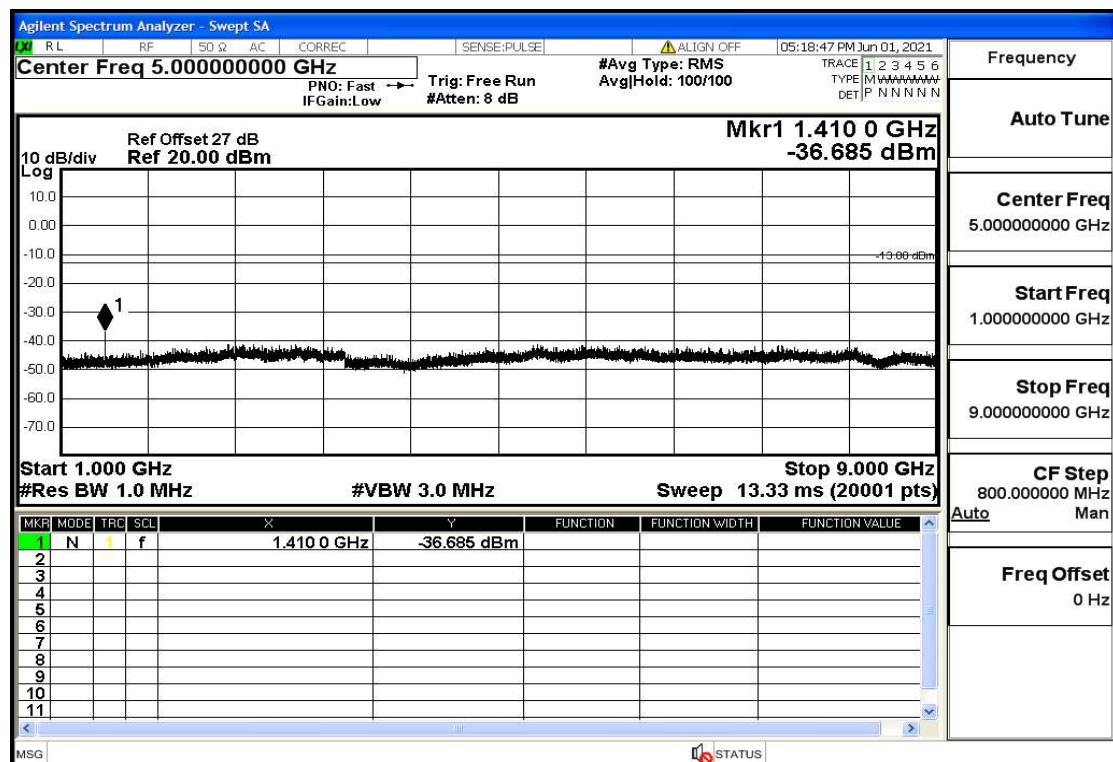
OB17-10-709-QPSK-50#LOW@1GHz-9GHz@Pass



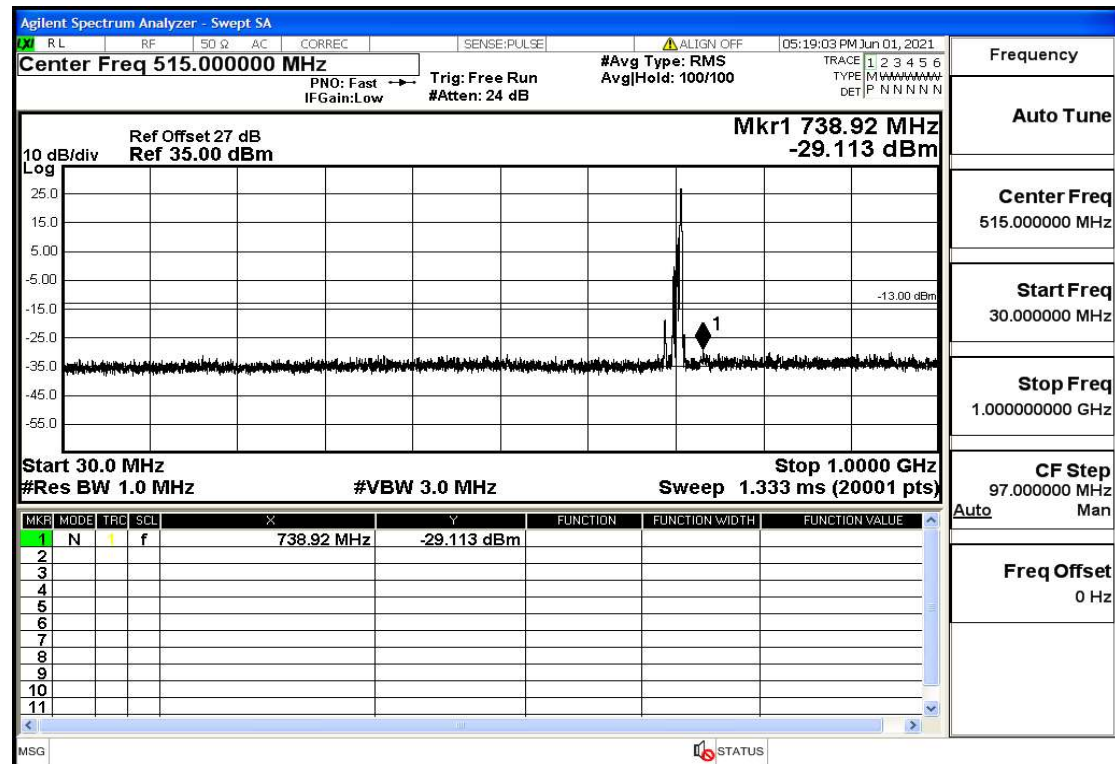
OB17-10-709-QPSK-1#LOW@30mHz-1GHz@Pass



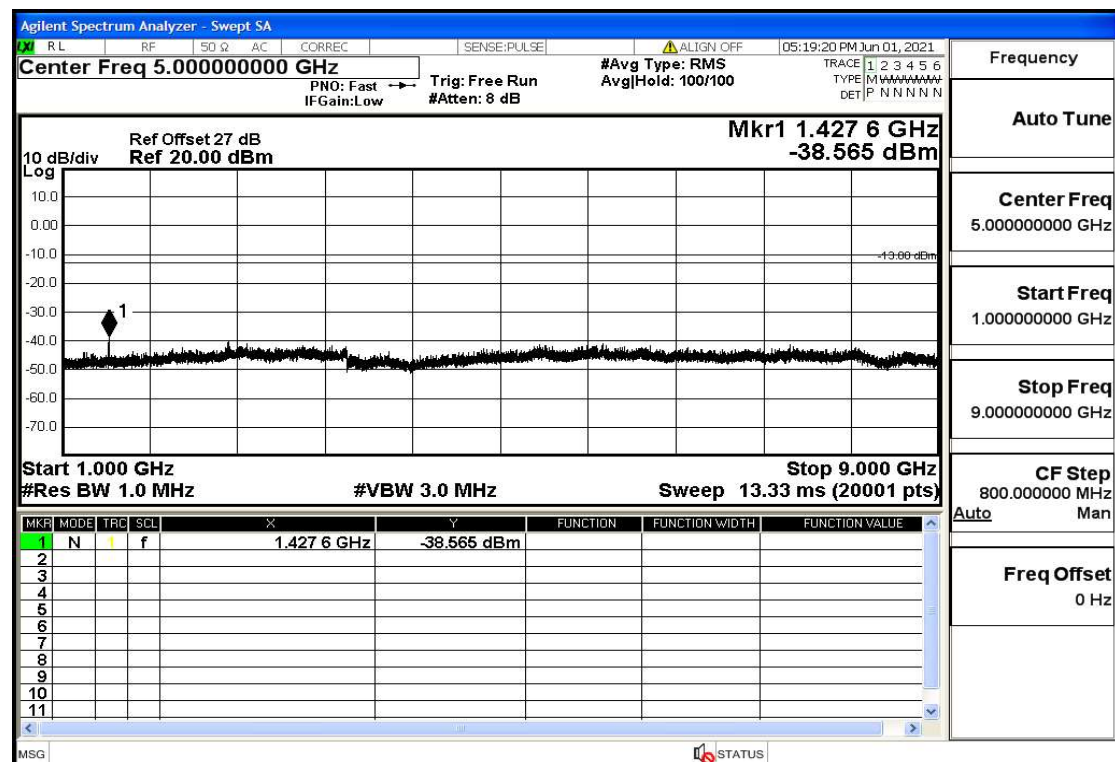
OB17-10-709-QPSK-1#LOW@1GHz-9GHz@Pass



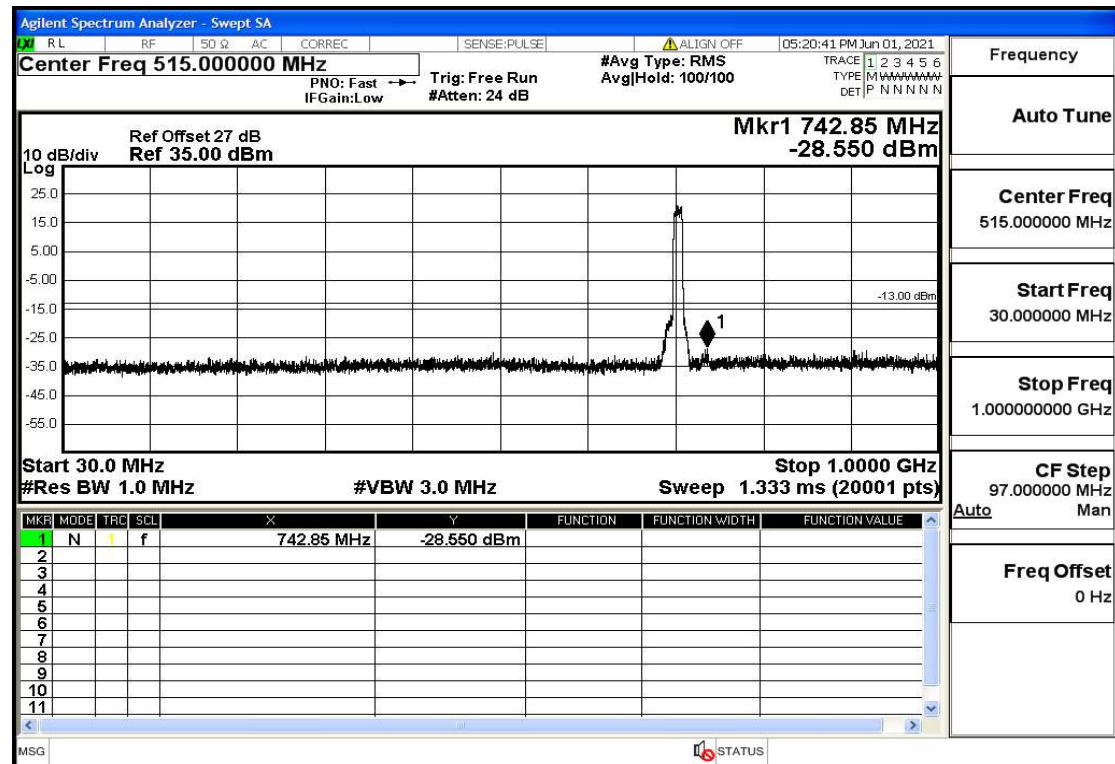
OB17-10-709-QPSK-1#HIGH@30mHz-1GHz@Pass



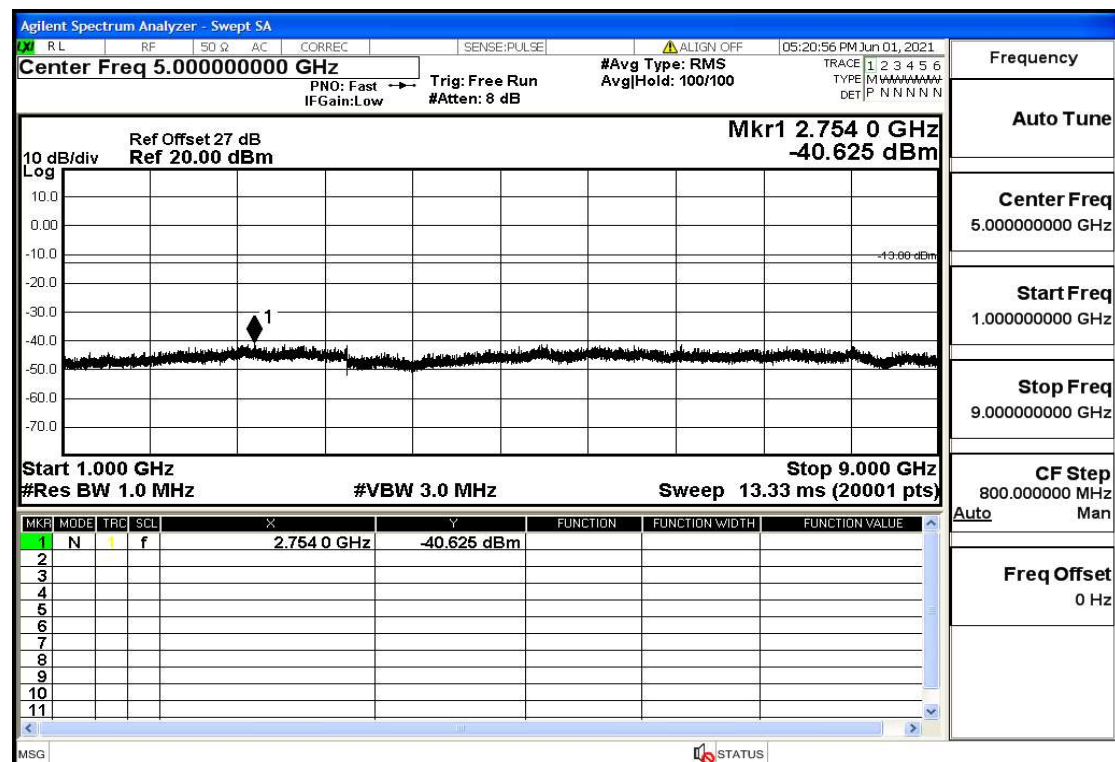
OB17-10-709-QPSK-1#HIGH@1GHz-9GHz@Pass



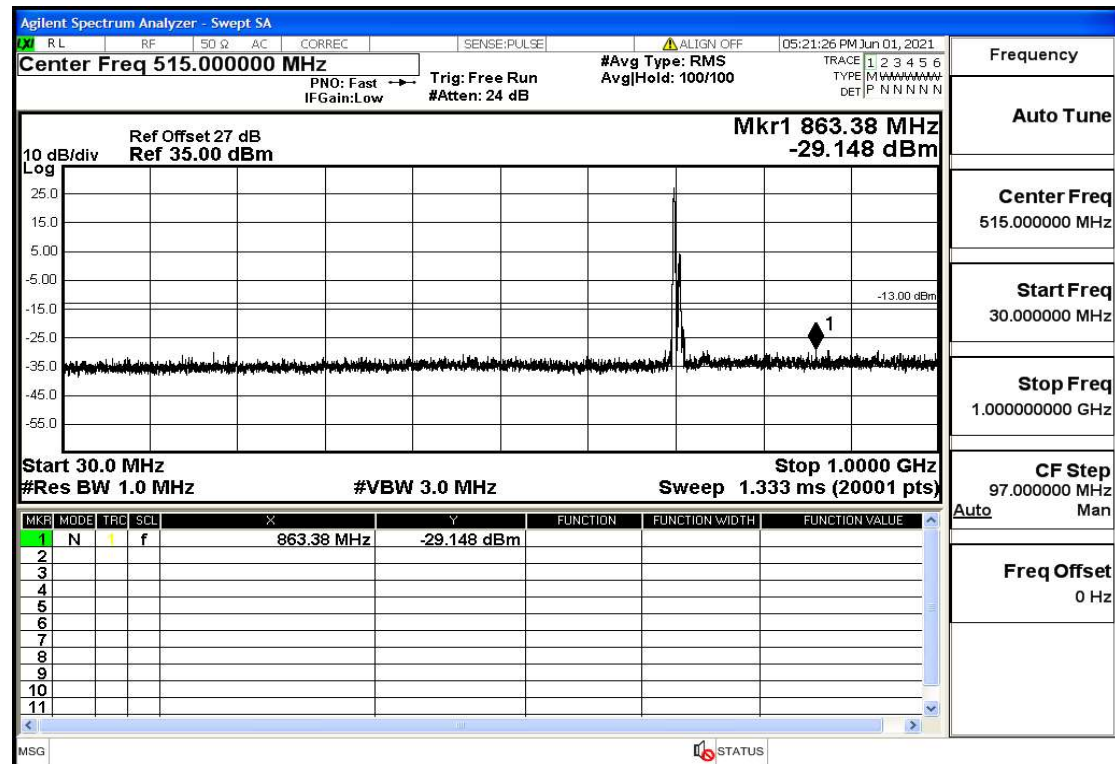
OB17-10-710-QPSK-50#LOW@30mHz-1GHz@Pass



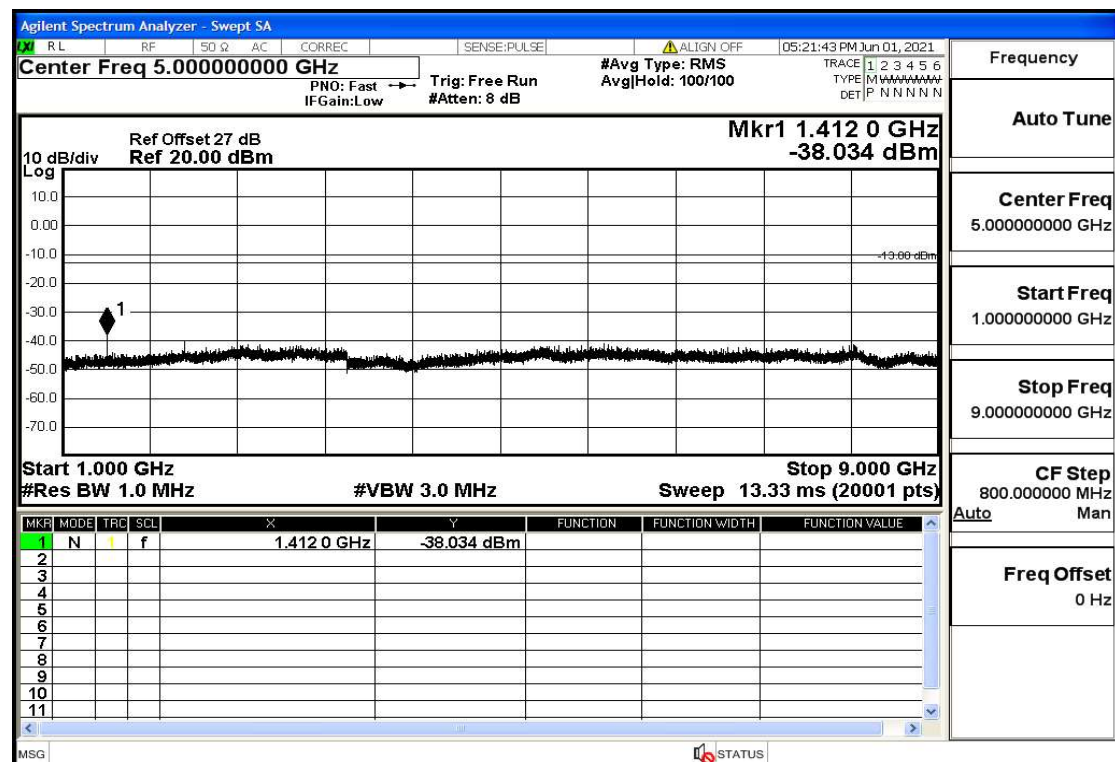
OB17-10-710-QPSK-50#LOW@1GHz-9GHz@Pass



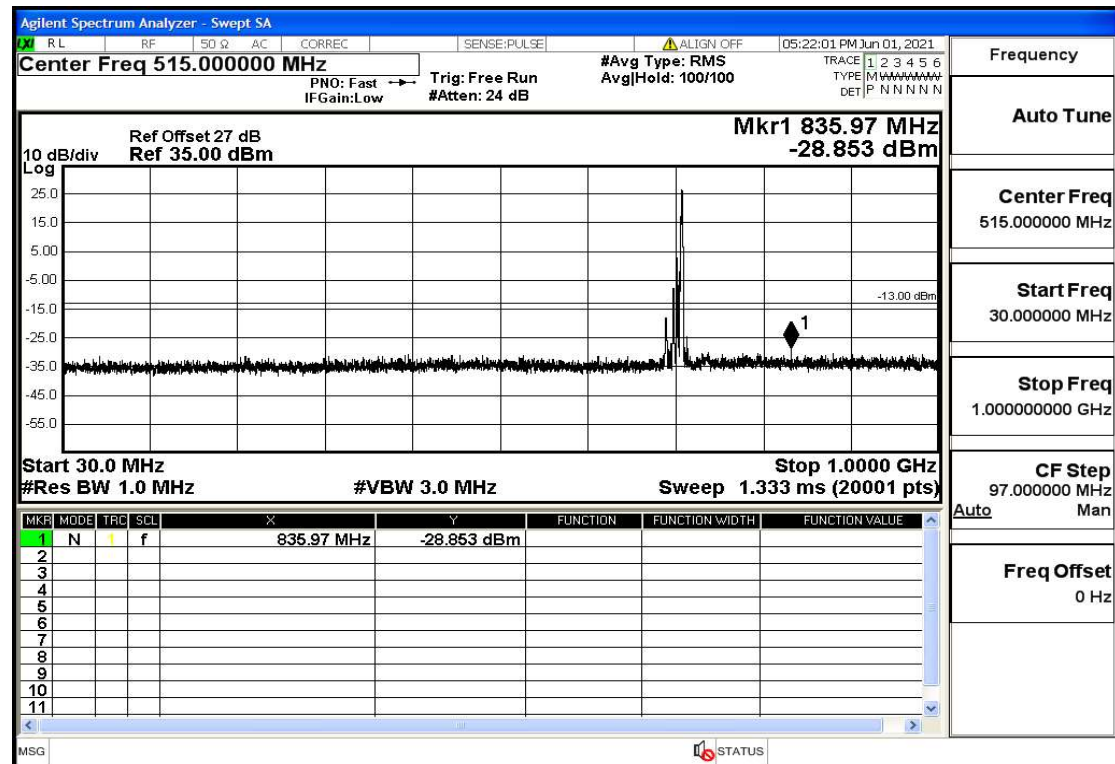
OB17-10-710-QPSK-1#LOW@30mHz-1GHz@Pass



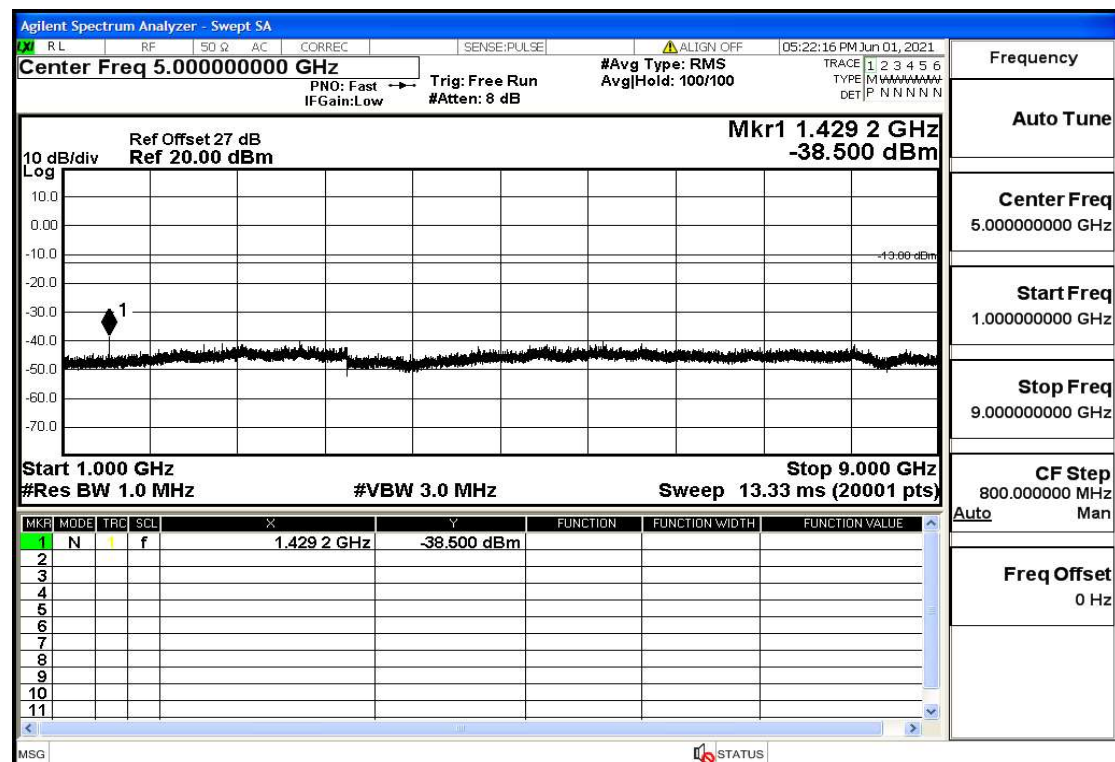
OB17-10-710-QPSK-1#LOW@1GHz-9GHz@Pass



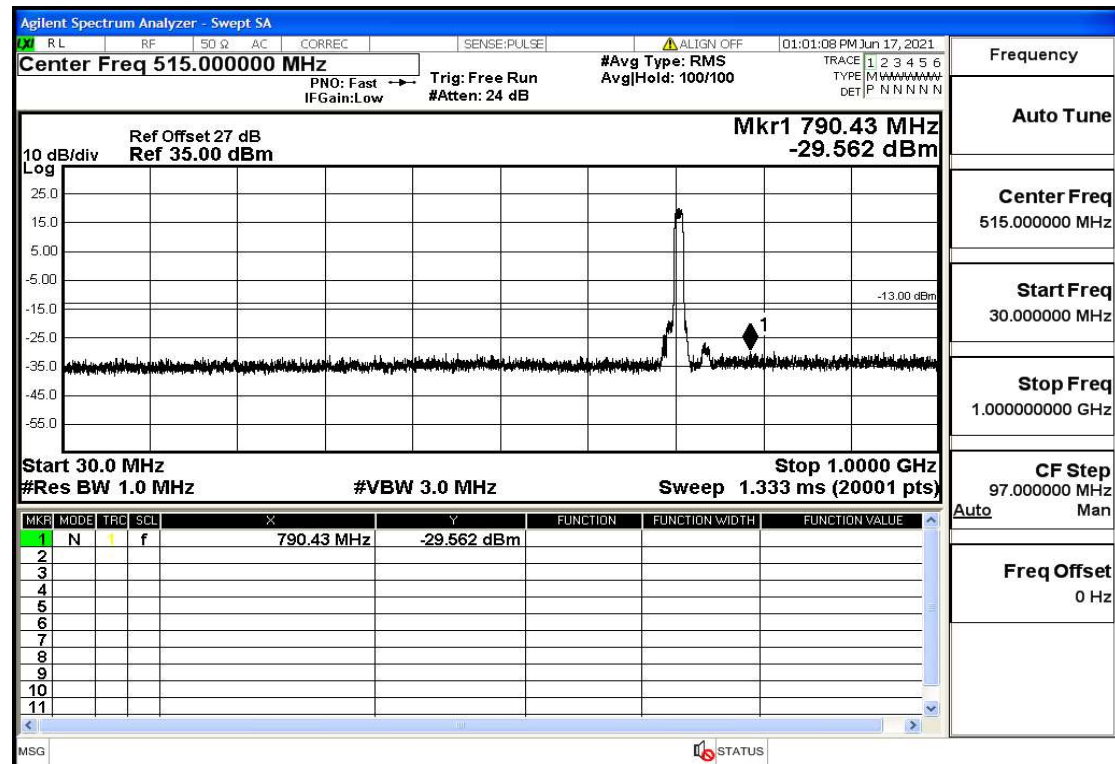
OB17-10-710-QPSK-1#HIGH@30mHz-1GHz@Pass



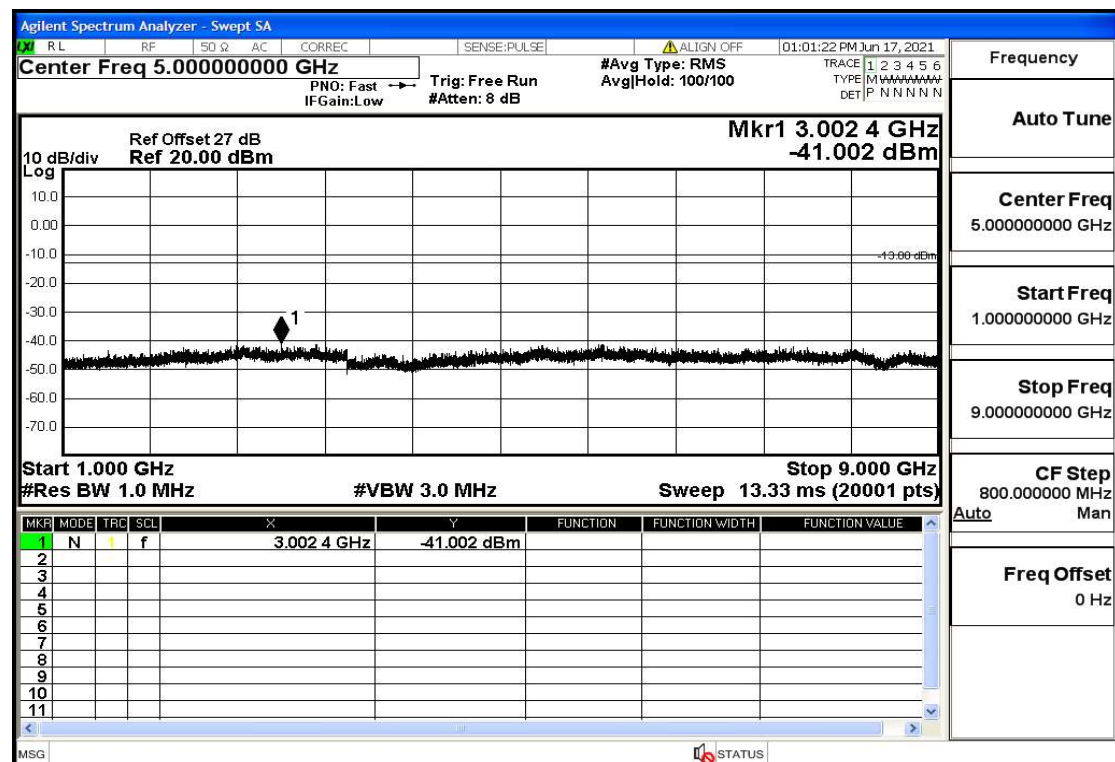
OB17-10-710-QPSK-1#HIGH@1GHz-9GHz@Pass



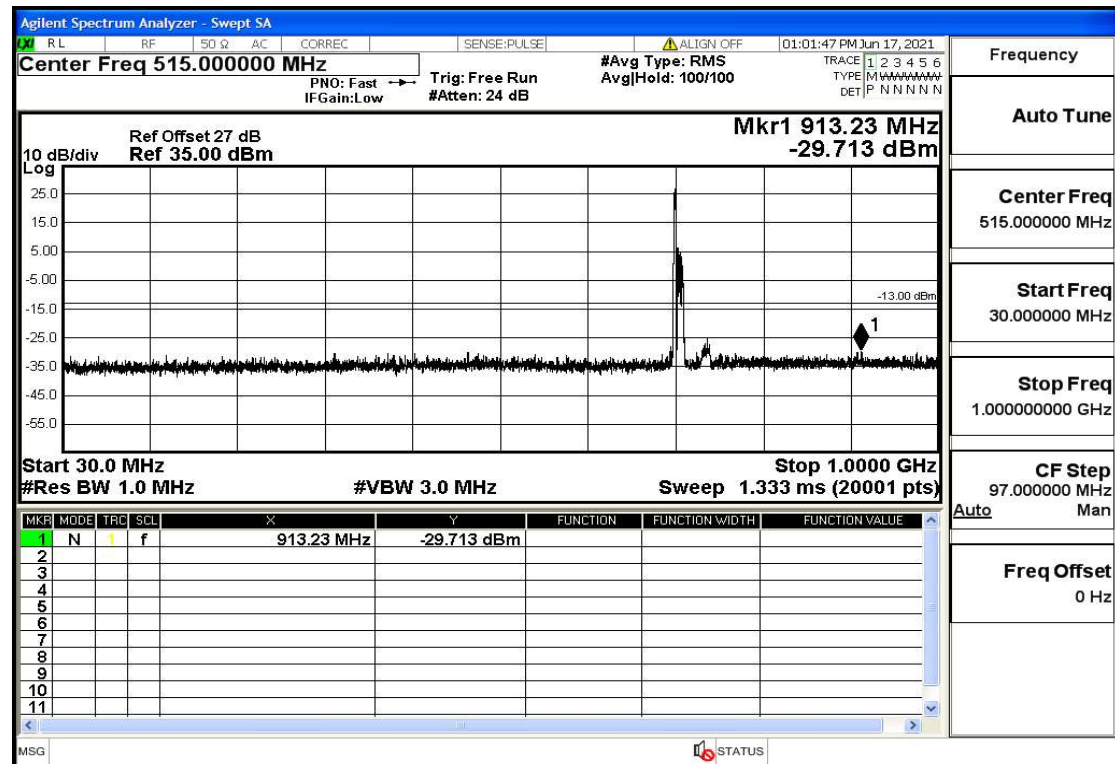
OB17-10-711-QPSK-50#LOW@30mHz-1GHz@Pass



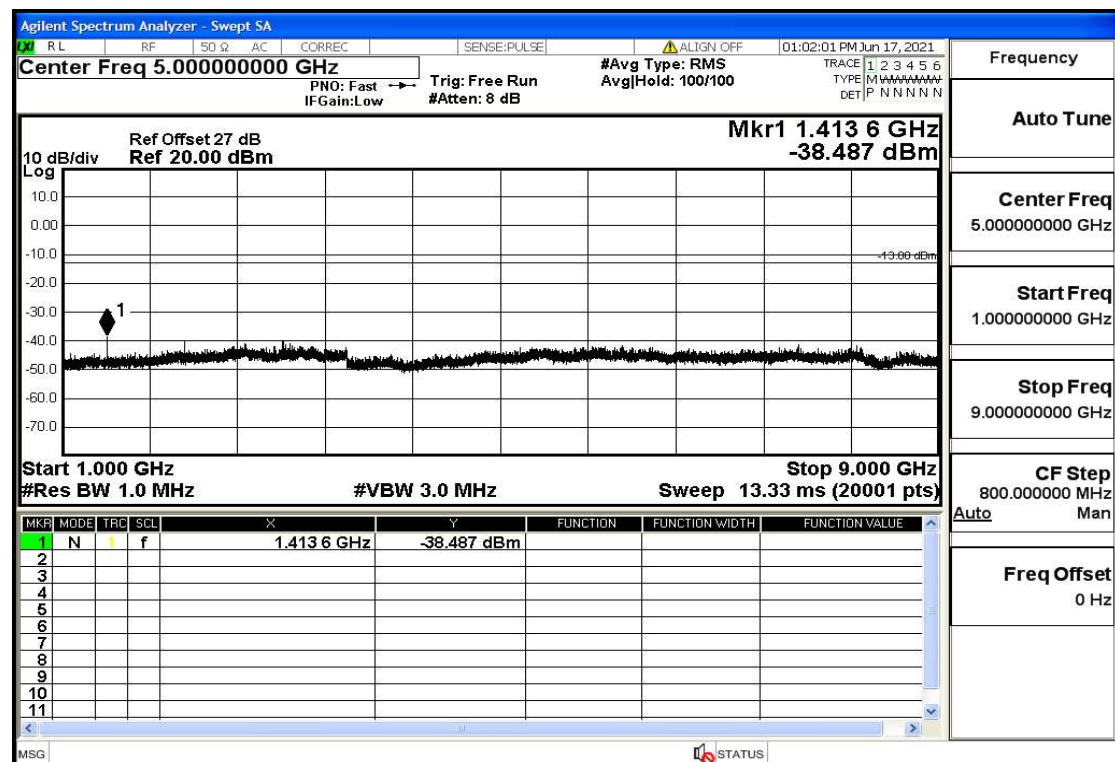
OB17-10-711-QPSK-50#LOW@1GHz-9GHz@Pass



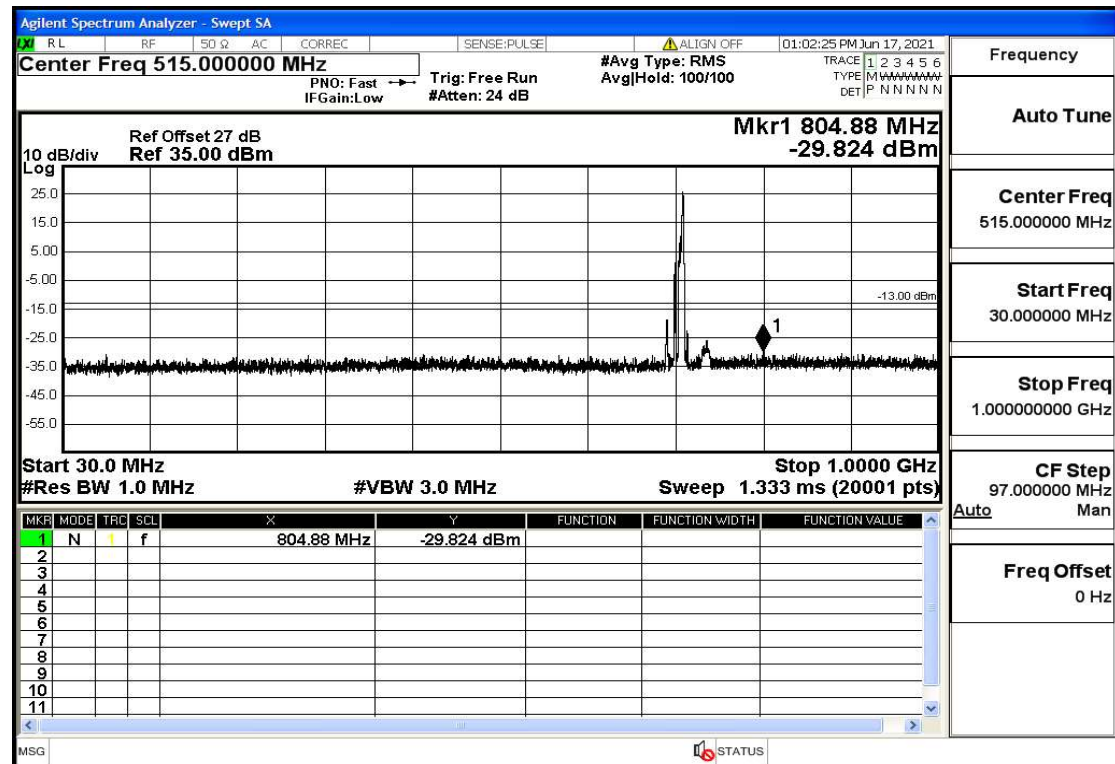
OB17-10-711-QPSK-1#LOW@30mHz-1GHz@Pass



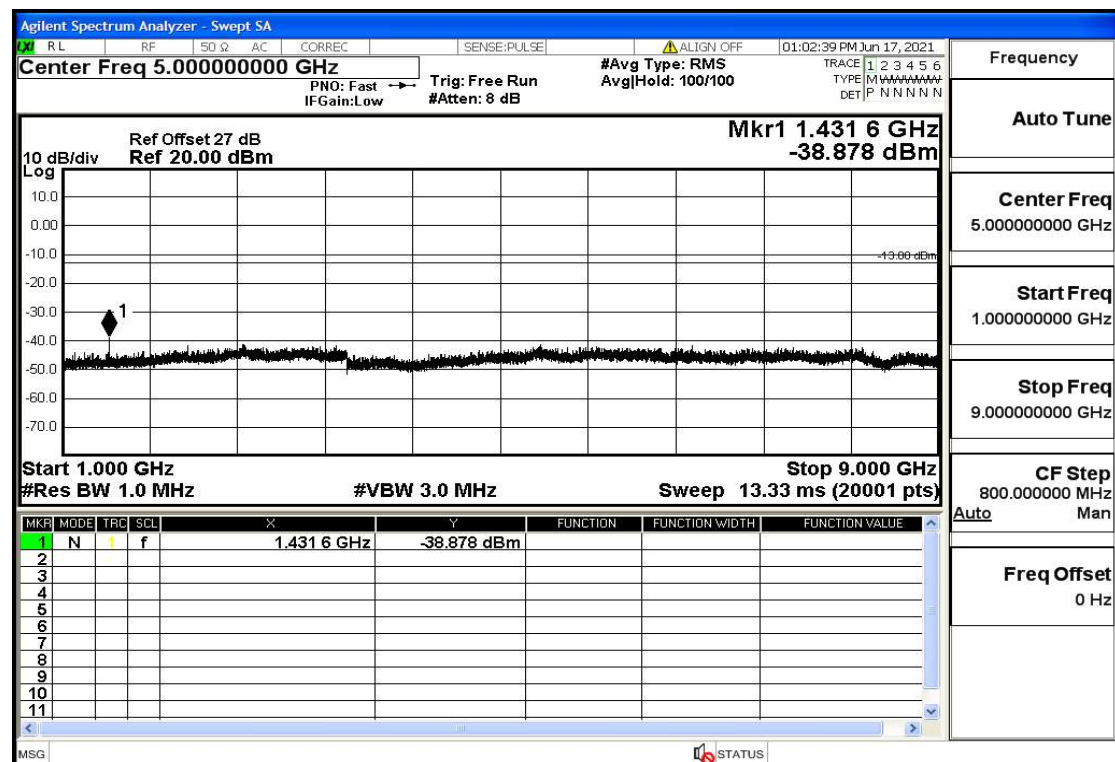
OB17-10-711-QPSK-1#LOW@1GHz-9GHz@Pass



OB17-10-711-QPSK-1#HIGH@30mHz-1GHz@Pass



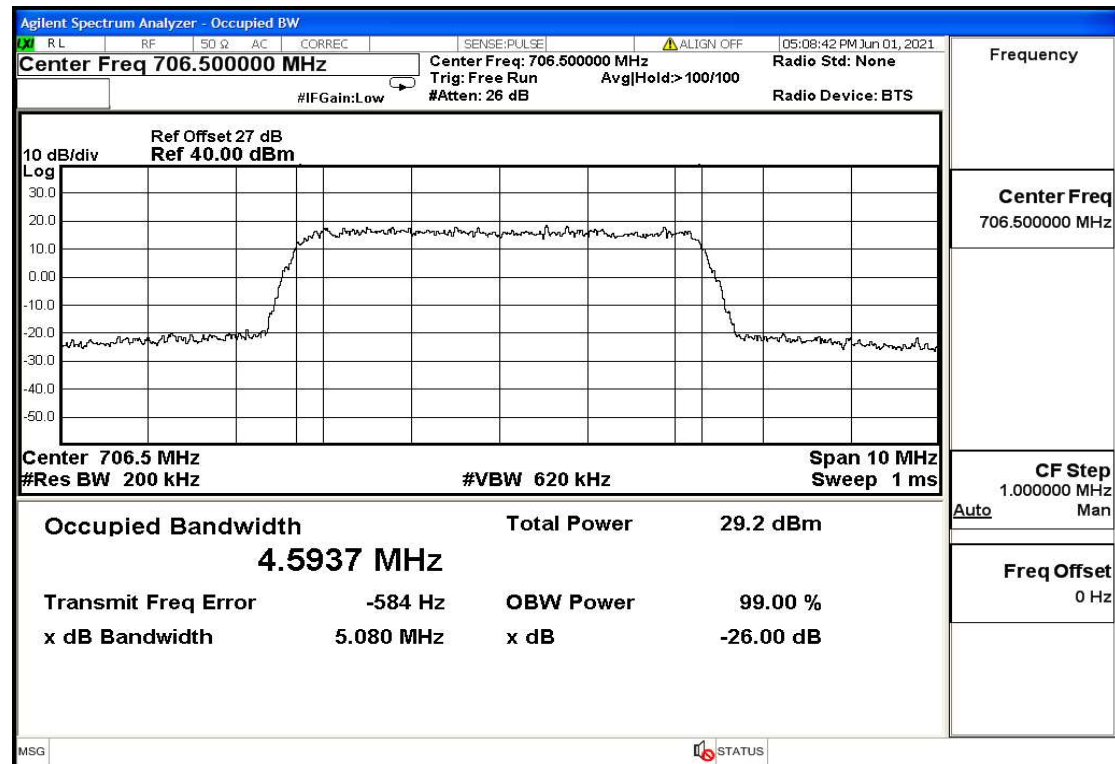
OB17-10-711-QPSK-1#HIGH@1GHz-9GHz@Pass



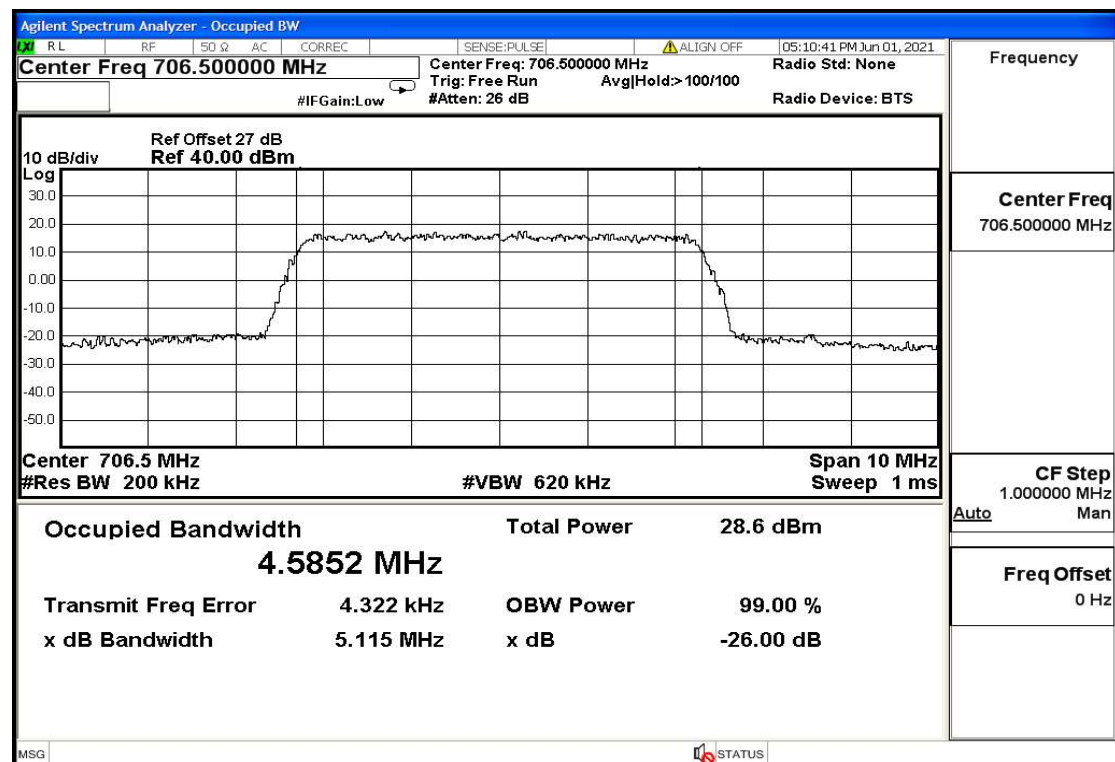
Emission bandwidth and OBW

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Occupied Bandwidth(KHz)	Emission Bandwidth(KHz)	Limit
Band17	5	706.5	QPSK	25	LOW	4593.7	5080	No limit
Band17	5	706.5	16QAM	25	LOW	4585.2	5115	No limit
Band17	5	710	QPSK	25	LOW	4566.7	5060	No limit
Band17	5	710	16QAM	25	LOW	4589.5	5107	No limit
Band17	5	713.5	QPSK	25	LOW	4565.4	5095	No limit
Band17	5	713.5	16QAM	25	LOW	4589.2	5076	No limit
Band17	10	709	QPSK	50	LOW	9115.9	10120	No limit
Band17	10	709	16QAM	50	LOW	9125.8	10030	No limit
Band17	10	710	QPSK	50	LOW	9073.2	10020	No limit
Band17	10	710	16QAM	50	LOW	9097.5	10110	No limit
Band17	10	711	16QAM	50	LOW	9108.8	10130	No limit
Band17	10	711	QPSK	50	LOW	9107.3	10090	No limit

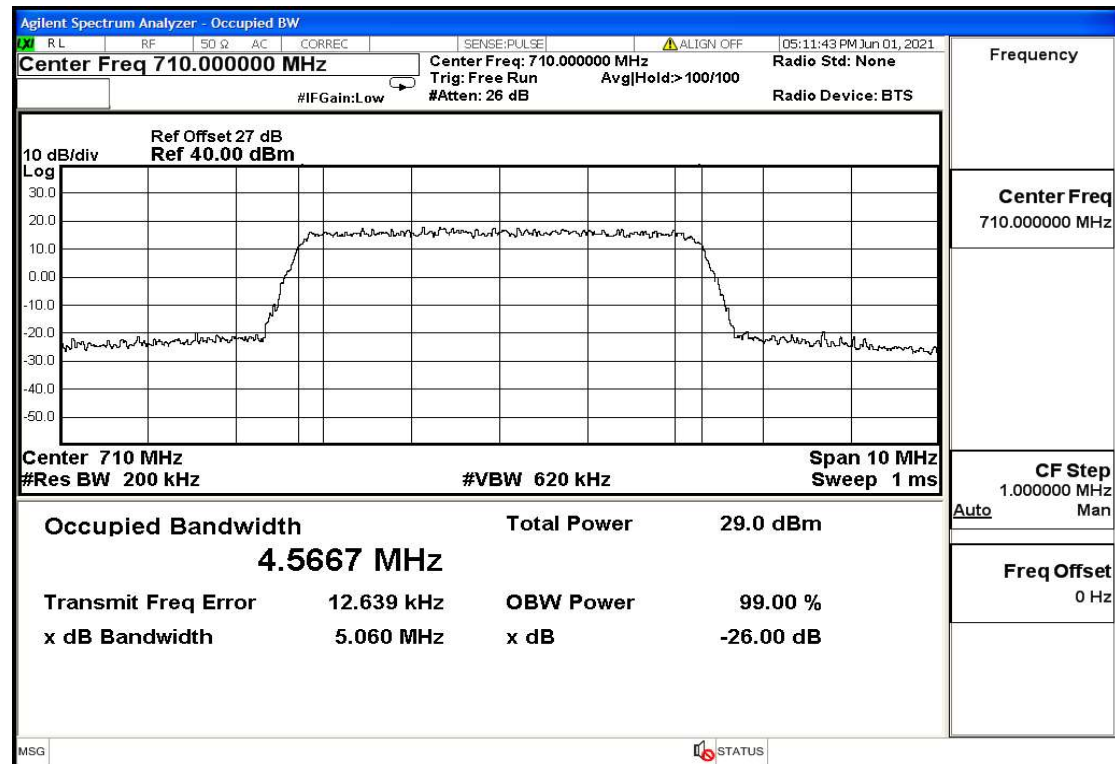
Band17-5-706.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



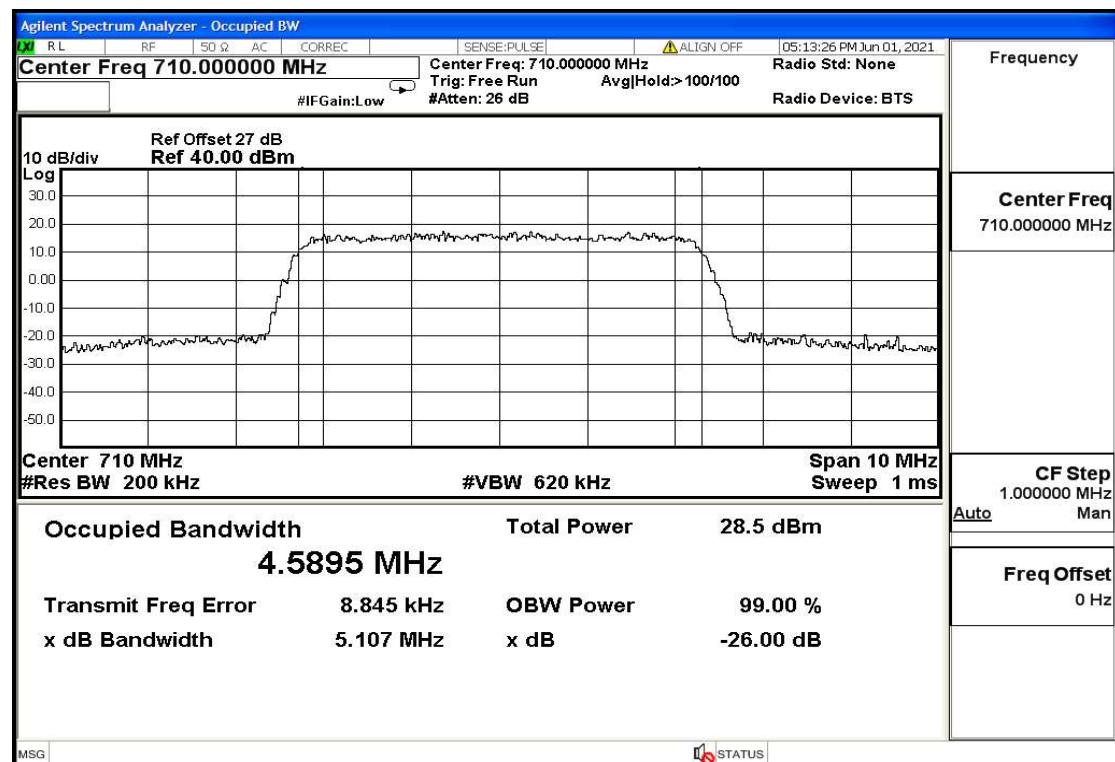
Band17-5-706.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



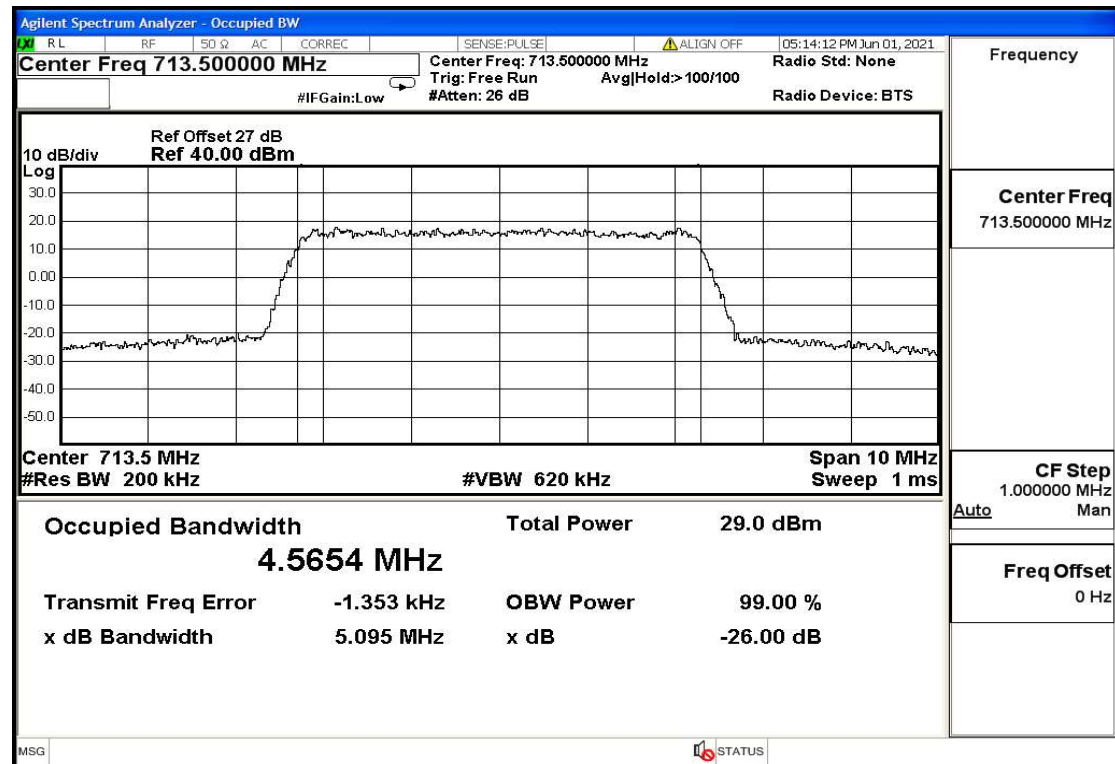
Band17-5-710-QPSK-25#LOW@26dB and 99PCT Bandwidth



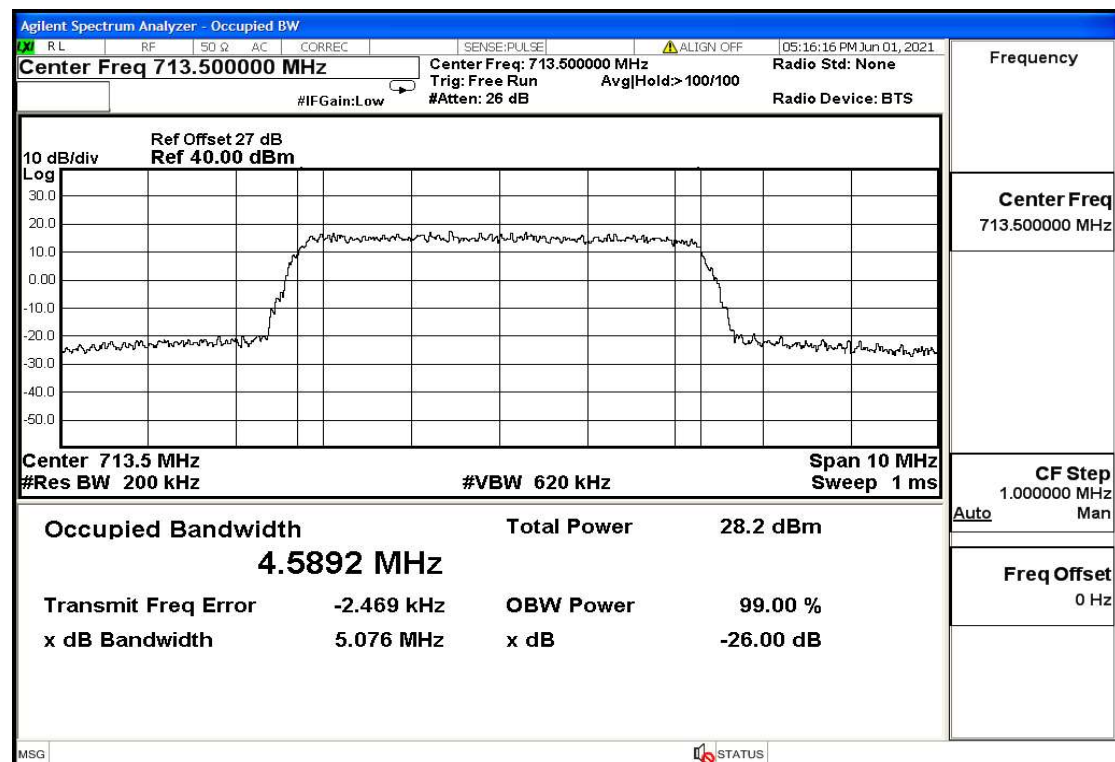
Band17-5-710-16QAM-25#LOW@26dB and 99PCT Bandwidth



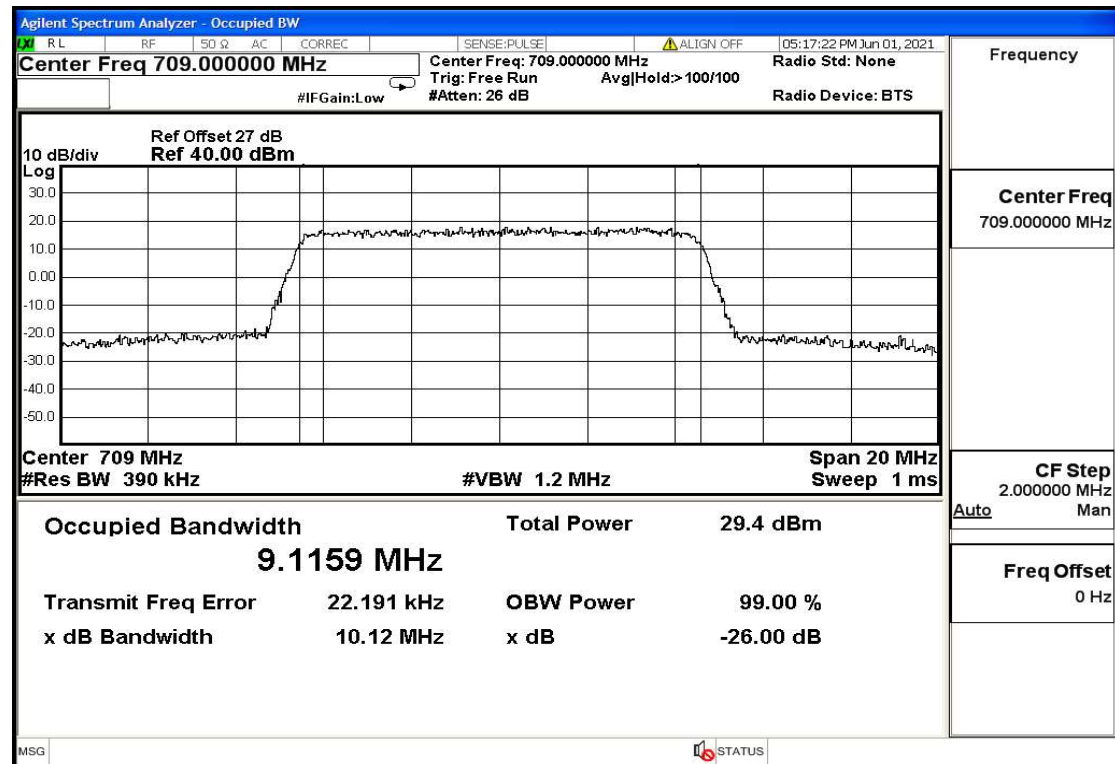
Band17-5-713.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



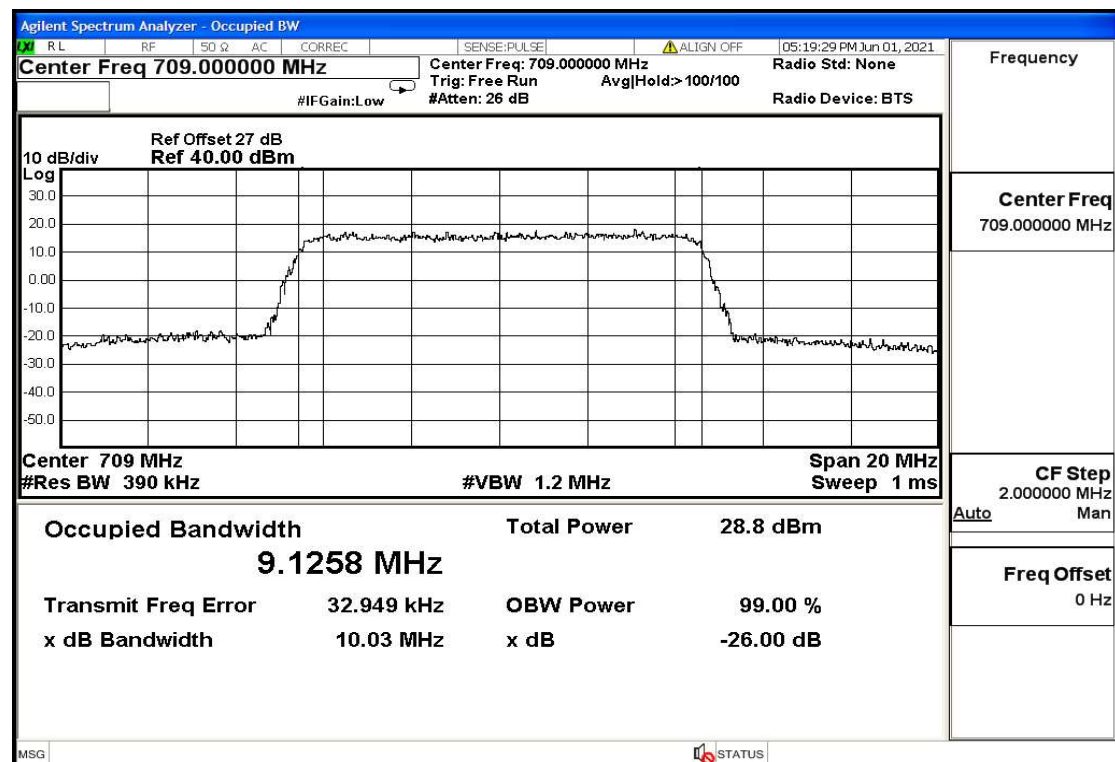
Band17-5-713.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



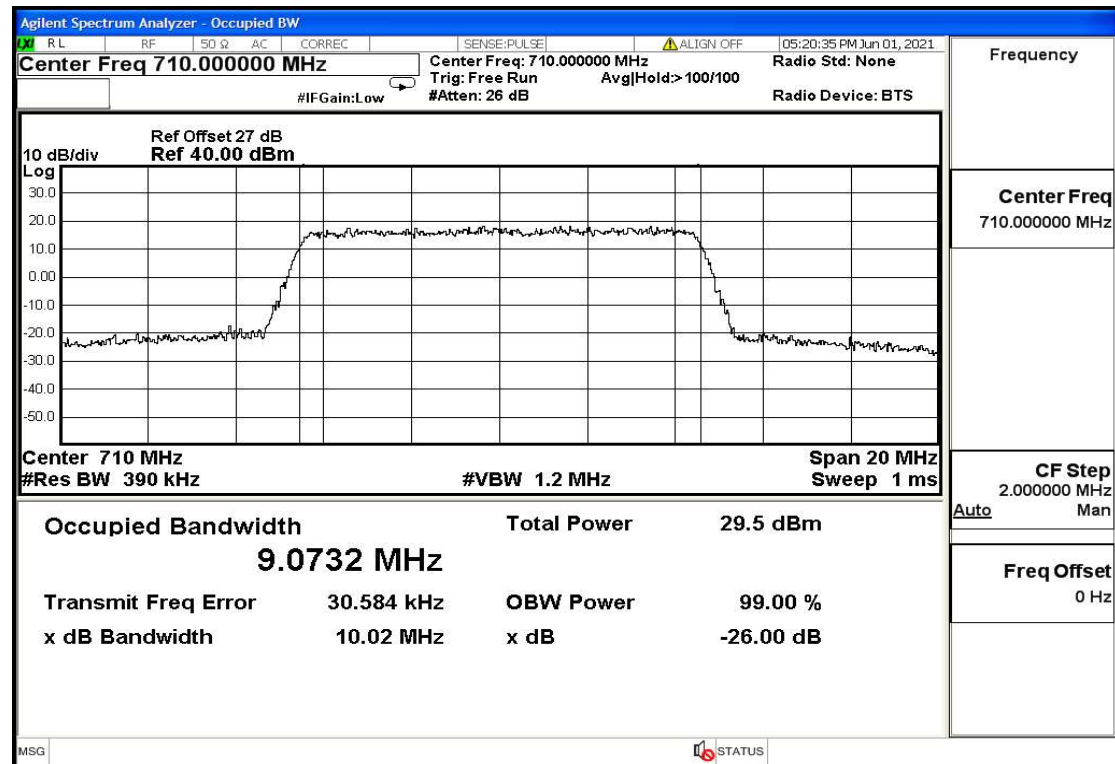
Band17-10-709-QPSK-50#LOW@26dB and 99PCT Bandwidth



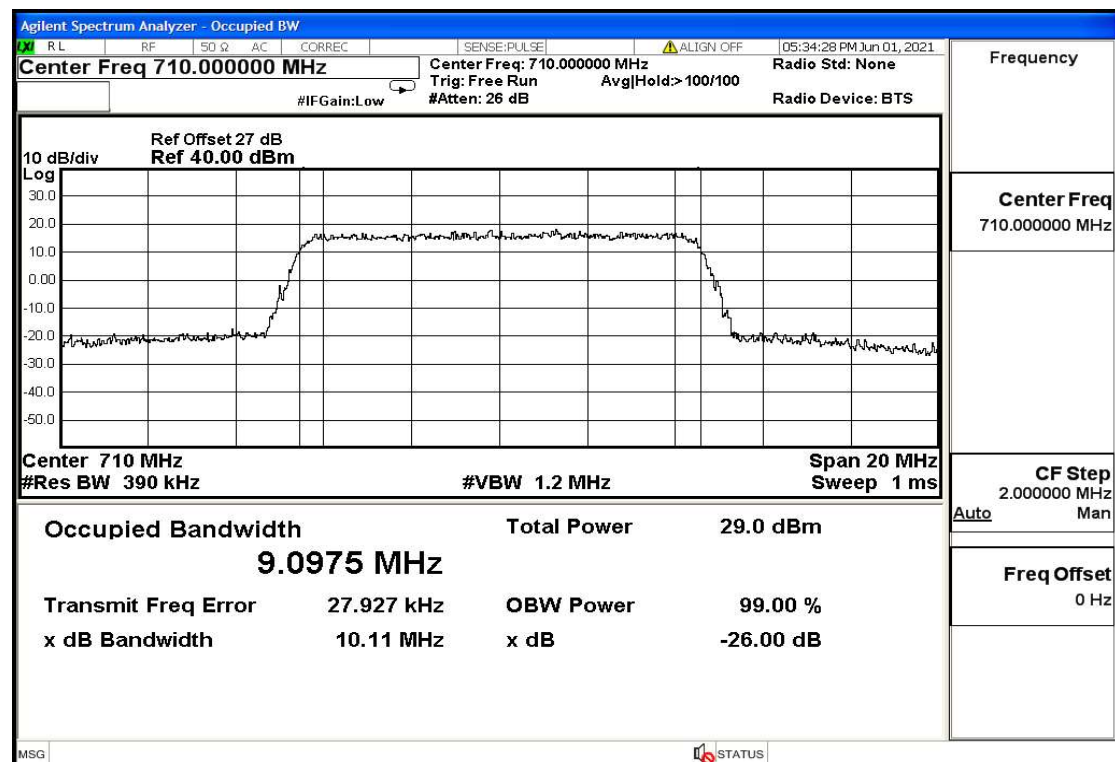
Band17-10-709-16QAM-50#LOW@26dB and 99PCT Bandwidth



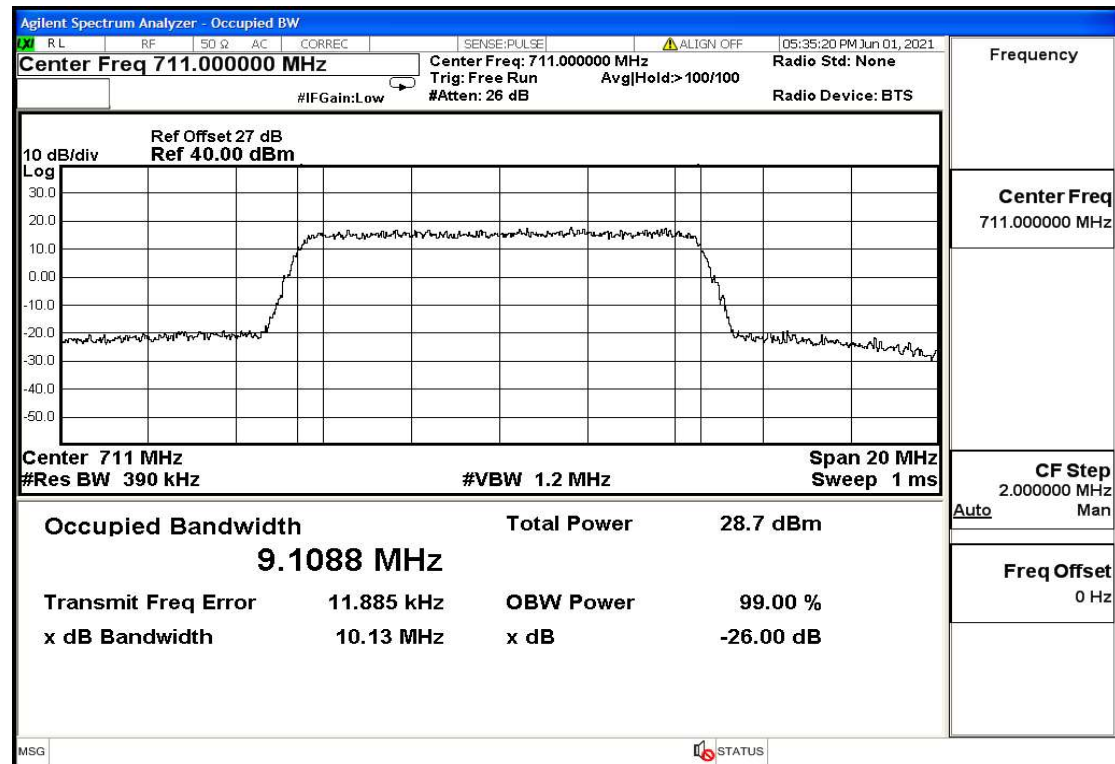
Band17-10-710-QPSK-50#LOW@26dB and 99PCT Bandwidth



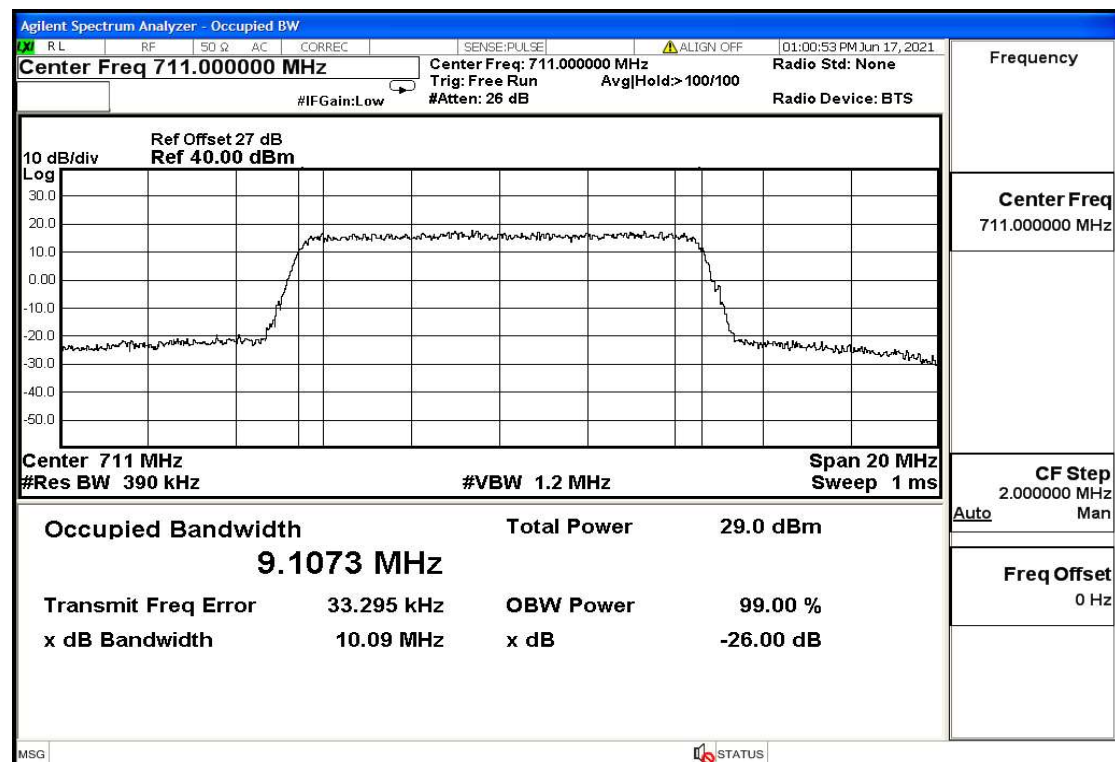
Band17-10-710-16QAM-50#LOW@26dB and 99PCT Bandwidth



Band17-10-711-16QAM-50#LOW@26dB and 99PCT Bandwidth



Band17-10-711-QPSK-50#LOW@26dB and 99PCT Bandwidth



Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0603	PASS
40	Normal Voltage	0.0349	
30	Normal Voltage	0.0167	
20(Ref.)	Normal Voltage	0.0299	
10	Normal Voltage	0.0594	
0	Normal Voltage	0.0168	
-10	Normal Voltage	0.0451	
-20	Normal Voltage	0.0392	
-30	Normal Voltage	0.0200	
20	Maximum Voltage	0.0181	
20	Normal Voltage	0.0286	
20	Battery End Point	0.0587	

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/EIR P(dBm)	Limit(dB m)	Conclu sion
Band17	5	706.5	QPSK	25	LOW	21.85	28.22	6.37	13	-2.78	16.92	34.8	Pass
Band17	5	706.5	QPSK	12	LOW	22	27.9	5.9	13	-2.78	17.07	34.8	Pass
Band17	5	706.5	QPSK	12	MID	21.53	27.62	6.09	13	-2.78	16.6	34.8	Pass
Band17	5	706.5	QPSK	12	HIGH	22.04	27.92	5.88	13	-2.78	17.11	34.8	Pass
Band17	5	706.5	QPSK	1	LOW	22.63	28.4	5.77	13	-2.78	17.7	34.8	Pass
Band17	5	706.5	QPSK	1	MID	22.7	28.65	5.95	13	-2.78	17.77	34.8	Pass
Band17	5	706.5	QPSK	1	HIGH	22.57	28.63	6.06	13	-2.78	17.64	34.8	Pass
Band17	5	706.5	16QAM	25	LOW	21.25	28.87	7.62	13	-2.78	16.32	34.8	Pass
Band17	5	706.5	16QAM	12	LOW	21.02	28.19	7.17	13	-2.78	16.09	34.8	Pass
Band17	5	706.5	16QAM	12	MID	21.03	28.2	7.17	13	-2.78	16.1	34.8	Pass
Band17	5	706.5	16QAM	12	HIGH	20.86	28.25	7.39	13	-2.78	15.93	34.8	Pass
Band17	5	706.5	16QAM	1	LOW	20.95	26.77	5.82	13	-2.78	16.02	34.8	Pass
Band17	5	706.5	16QAM	1	MID	21.17	27	5.83	13	-2.78	16.24	34.8	Pass
Band17	5	706.5	16QAM	1	HIGH	21.32	27.14	5.82	13	-2.78	16.39	34.8	Pass
Band17	5	710	QPSK	25	LOW	21.69	28.36	6.67	13	-2.78	16.76	34.8	Pass
Band17	5	710	QPSK	12	LOW	22.04	28.28	6.24	13	-2.78	17.11	34.8	Pass
Band17	5	710	QPSK	12	MID	22.04	28.31	6.27	13	-2.78	17.11	34.8	Pass
Band17	5	710	QPSK	12	HIGH	22.1	28.41	6.31	13	-2.78	17.17	34.8	Pass
Band17	5	710	QPSK	1	LOW	22.54	27.96	5.42	13	-2.78	17.61	34.8	Pass
Band17	5	710	QPSK	1	MID	22.72	27.72	5	13	-2.78	17.79	34.8	Pass
Band17	5	710	QPSK	1	HIGH	22.67	27.57	4.9	13	-2.78	17.74	34.8	Pass
Band17	5	710	16QAM	25	LOW	21.07	28.72	7.65	13	-2.78	16.14	34.8	Pass
Band17	5	710	16QAM	12	LOW	21	27.83	6.83	13	-2.78	16.07	34.8	Pass
Band17	5	710	16QAM	12	MID	21.01	27.81	6.8	13	-2.78	16.08	34.8	Pass
Band17	5	710	16QAM	12	HIGH	21.28	27.92	6.64	13	-2.78	16.35	34.8	Pass
Band17	5	710	16QAM	1	LOW	21.88	27.63	5.75	13	-2.78	16.95	34.8	Pass
Band17	5	710	16QAM	1	MID	21.63	27.44	5.81	13	-2.78	16.7	34.8	Pass
Band17	5	710	16QAM	1	HIGH	22.02	27.57	5.55	13	-2.78	17.09	34.8	Pass
Band17	5	713.5	QPSK	25	LOW	21.59	27.78	6.19	13	-2.78	16.66	34.8	Pass
Band17	5	713.5	QPSK	12	LOW	22.04	27.91	5.87	13	-2.78	17.11	34.8	Pass
Band17	5	713.5	QPSK	12	MID	22.04	27.91	5.87	13	-2.78	17.11	34.8	Pass
Band17	5	713.5	QPSK	12	HIGH	21.7	27.47	5.77	13	-2.78	16.77	34.8	Pass
Band17	5	713.5	QPSK	1	LOW	22.65	27.85	5.2	13	-2.78	17.72	34.8	Pass
Band17	5	713.5	QPSK	1	MID	22.56	27.61	5.05	13	-2.78	17.63	34.8	Pass
Band17	5	713.5	QPSK	1	HIGH	22.53	27.44	4.91	13	-2.78	17.6	34.8	Pass
Band17	5	713.5	16QAM	25	LOW	20.92	28.56	7.64	13	-2.78	15.99	34.8	Pass
Band17	5	713.5	16QAM	12	LOW	20.94	27.78	6.84	13	-2.78	16.01	34.8	Pass
Band17	5	713.5	16QAM	12	MID	20.95	27.74	6.79	13	-2.78	16.02	34.8	Pass
Band17	5	713.5	16QAM	12	HIGH	20.96	27.71	6.75	13	-2.78	16.03	34.8	Pass
Band17	5	713.5	16QAM	1	LOW	21.61	27.73	6.12	13	-2.78	16.68	34.8	Pass

Band17	5	713.5	16QAM	1	MID	21.12	27.34	6.22	13	-2.78	16.19	34.8	Pass
Band17	5	713.5	16QAM	1	HIGH	21.27	27.14	5.87	13	-2.78	16.34	34.8	Pass
Band17	10	709	QPSK	50	LOW	21.83	28.32	6.49	13	-2.78	16.9	34.8	Pass
Band17	10	709	QPSK	25	LOW	21.51	27.94	6.43	13	-2.78	16.58	34.8	Pass
Band17	10	709	QPSK	25	MID	21.51	27.96	6.45	13	-2.78	16.58	34.8	Pass
Band17	10	709	QPSK	25	HIGH	22.19	28.38	6.19	13	-2.78	17.26	34.8	Pass
Band17	10	709	QPSK	1	LOW	22.69	27.49	4.8	13	-2.78	17.76	34.8	Pass
Band17	10	709	QPSK	1	MID	22.49	27.44	4.95	13	-2.78	17.56	34.8	Pass
Band17	10	709	QPSK	1	HIGH	22.47	27.21	4.74	13	-2.78	17.54	34.8	Pass
Band17	10	709	16QAM	50	LOW	20.98	28.76	7.78	13	-2.78	16.05	34.8	Pass
Band17	10	709	16QAM	25	LOW	21.14	28.26	7.12	13	-2.78	16.21	34.8	Pass
Band17	10	709	16QAM	25	MID	21.15	28.26	7.11	13	-2.78	16.22	34.8	Pass
Band17	10	709	16QAM	25	HIGH	20.97	28.13	7.16	13	-2.78	16.04	34.8	Pass
Band17	10	709	16QAM	1	LOW	21.61	27.7	6.09	13	-2.78	16.68	34.8	Pass
Band17	10	709	16QAM	1	MID	22.13	28.07	5.94	13	-2.78	17.2	34.8	Pass
Band17	10	709	16QAM	1	HIGH	21.78	27.68	5.9	13	-2.78	16.85	34.8	Pass
Band17	10	710	QPSK	50	LOW	21.77	27.96	6.19	13	-2.78	16.84	34.8	Pass
Band17	10	710	QPSK	25	LOW	22.06	28.32	6.26	13	-2.78	17.13	34.8	Pass
Band17	10	710	QPSK	25	MID	22.06	28.31	6.25	13	-2.78	17.13	34.8	Pass
Band17	10	710	QPSK	25	HIGH	22.12	28.22	6.1	13	-2.78	17.19	34.8	Pass
Band17	10	710	QPSK	1	LOW	22.7	27.76	5.06	13	-2.78	17.77	34.8	Pass
Band17	10	710	QPSK	1	MID	22.81	27.82	5.01	13	-2.78	17.88	34.8	Pass
Band17	10	710	QPSK	1	HIGH	22.67	27.54	4.87	13	-2.78	17.74	34.8	Pass
Band17	10	710	16QAM	50	LOW	21.33	28.12	6.79	13	-2.78	16.4	34.8	Pass
Band17	10	710	16QAM	25	LOW	21.19	28.43	7.24	13	-2.78	16.26	34.8	Pass
Band17	10	710	16QAM	25	MID	21.2	28.4	7.2	13	-2.78	16.27	34.8	Pass
Band17	10	710	16QAM	25	HIGH	21.14	28.23	7.09	13	-2.78	16.21	34.8	Pass
Band17	10	710	16QAM	1	LOW	21.94	27.08	5.14	13	-2.78	17.01	34.8	Pass
Band17	10	710	16QAM	1	MID	21.95	26.89	4.94	13	-2.78	17.02	34.8	Pass
Band17	10	710	16QAM	1	HIGH	21.85	27.7	5.85	13	-2.78	16.92	34.8	Pass
Band17	10	711	16QAM	50	LOW	21.13	28.52	7.39	13	-2.78	16.2	34.8	Pass
Band17	10	711	16QAM	25	LOW	21.08	28.25	7.17	13	-2.78	16.15	34.8	Pass
Band17	10	711	16QAM	25	MID	21.08	28.33	7.25	13	-2.78	16.15	34.8	Pass
Band17	10	711	16QAM	25	HIGH	21.11	28.08	6.97	13	-2.78	16.18	34.8	Pass
Band17	10	711	16QAM	1	LOW	21.61	26.86	5.25	13	-2.78	16.68	34.8	Pass
Band17	10	711	16QAM	1	MID	21.42	26.78	5.36	13	-2.78	16.49	34.8	Pass
Band17	10	711	16QAM	1	HIGH	21.5	26.6	5.1	13	-2.78	16.57	34.8	Pass
Band17	10	711	QPSK	50	LOW	21.36	27.75	6.39	13	-2.78	16.43	34.8	Pass
Band17	10	711	QPSK	25	LOW	21.62	27.85	6.23	13	-2.78	16.69	34.8	Pass
Band17	10	711	QPSK	25	MID	21.61	27.89	6.28	13	-2.78	16.68	34.8	Pass
Band17	10	711	QPSK	25	HIGH	21.24	27.51	6.27	13	-2.78	16.31	34.8	Pass
Band17	10	711	QPSK	1	LOW	22.16	27.21	5.05	13	-2.78	17.23	34.8	Pass
Band17	10	711	QPSK	1	MID	22.23	27.17	4.94	13	-2.78	17.3	34.8	Pass
Band17	10	711	QPSK	1	HIGH	22.4	26.79	4.39	13	-2.78	17.47	34.8	Pass