RF Test Data for LTE (Conducted Measurement)

Product Name: smart phone

Trade Mark: YEZZ

Test Model: MAX 3 PLUS

FCC ID: 2APW4MAX3P

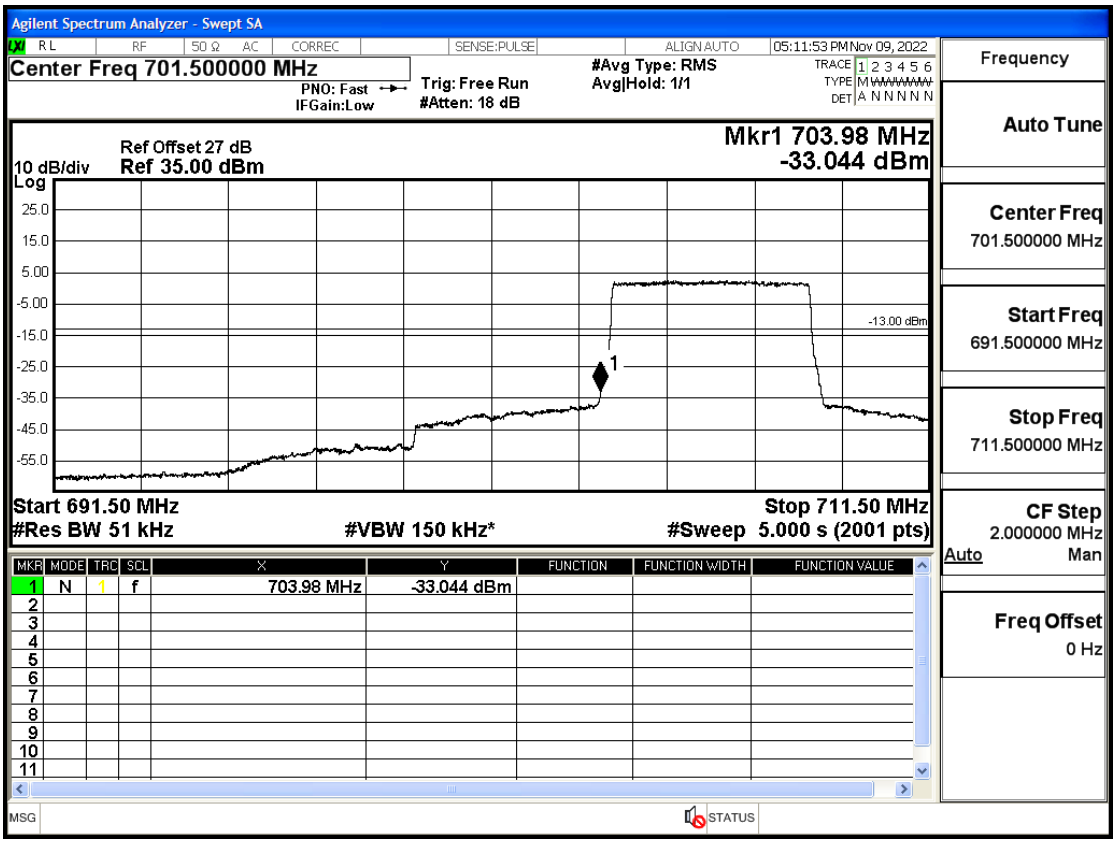
Environmental Conditions

Temperature:	23.8℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
Remark:	For LTE Band17

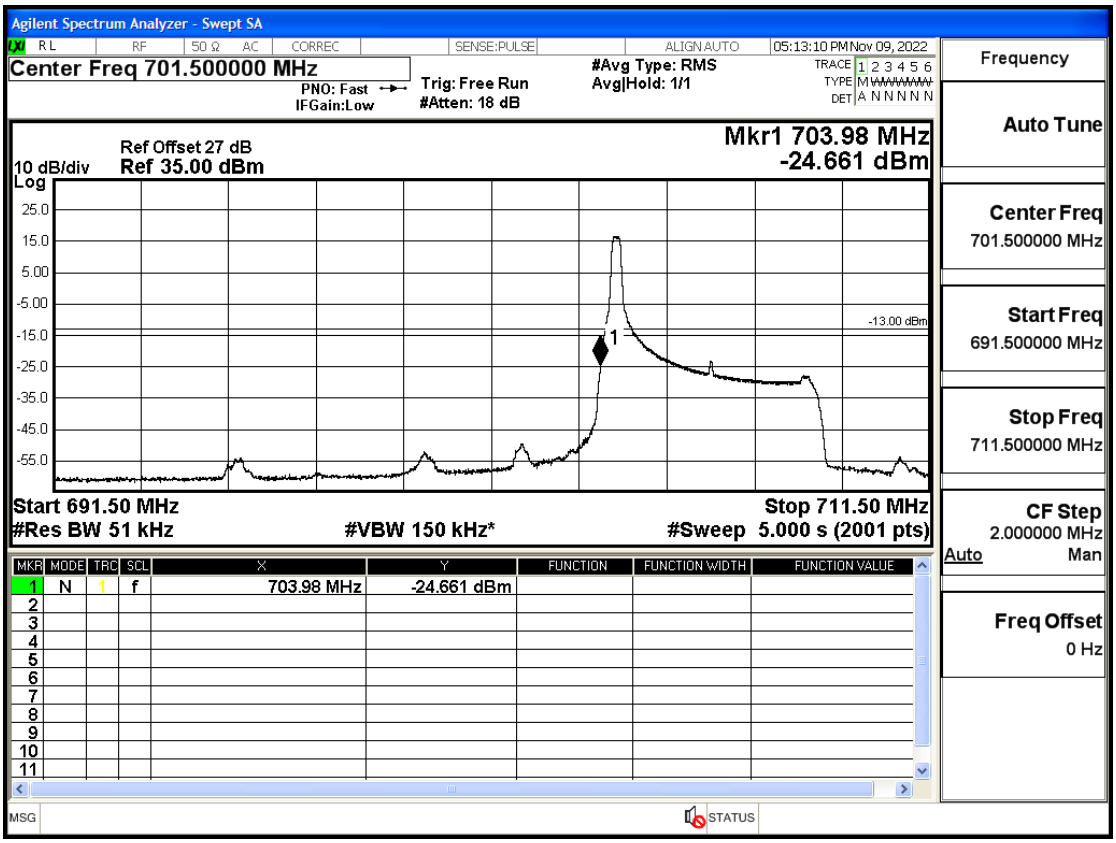
Band Edge and Emission Mask

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Conclusion
Band17	5	706.5	QPSK	25	LOW	Pass
Band17	5	706.5	QPSK	1	LOW	Pass
Band17	5	706.5	16QAM	25	LOW	Pass
Band17	5	706.5	16QAM	1	LOW	Pass
Band17	5	713.5	QPSK	25	LOW	Pass
Band17	5	713.5	QPSK	1	HIGH	Pass
Band17	5	713.5	16QAM	25	LOW	Pass
Band17	5	713.5	16QAM	1	HIGH	Pass
Band17	10	709	QPSK	50	LOW	Pass
Band17	10	709	QPSK	1	LOW	Pass
Band17	10	709	16QAM	50	LOW	Pass
Band17	10	709	16QAM	1	LOW	Pass
Band17	10	711	QPSK	50	LOW	Pass
Band17	10	711	QPSK	1	HIGH	Pass
Band17	10	711	16QAM	50	LOW	Pass
Band17	10	711	16QAM	1	HIGH	Pass

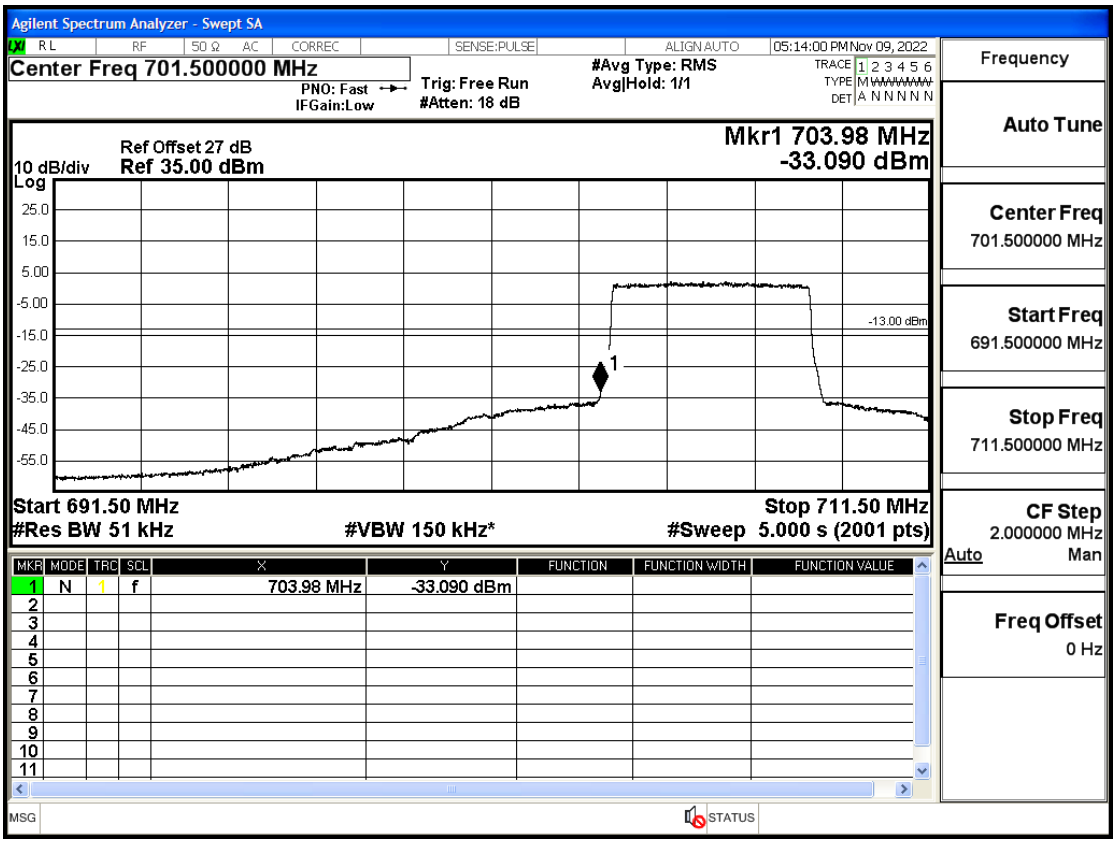
Band17-5-706.5-QPSK-25#LOW@Pass



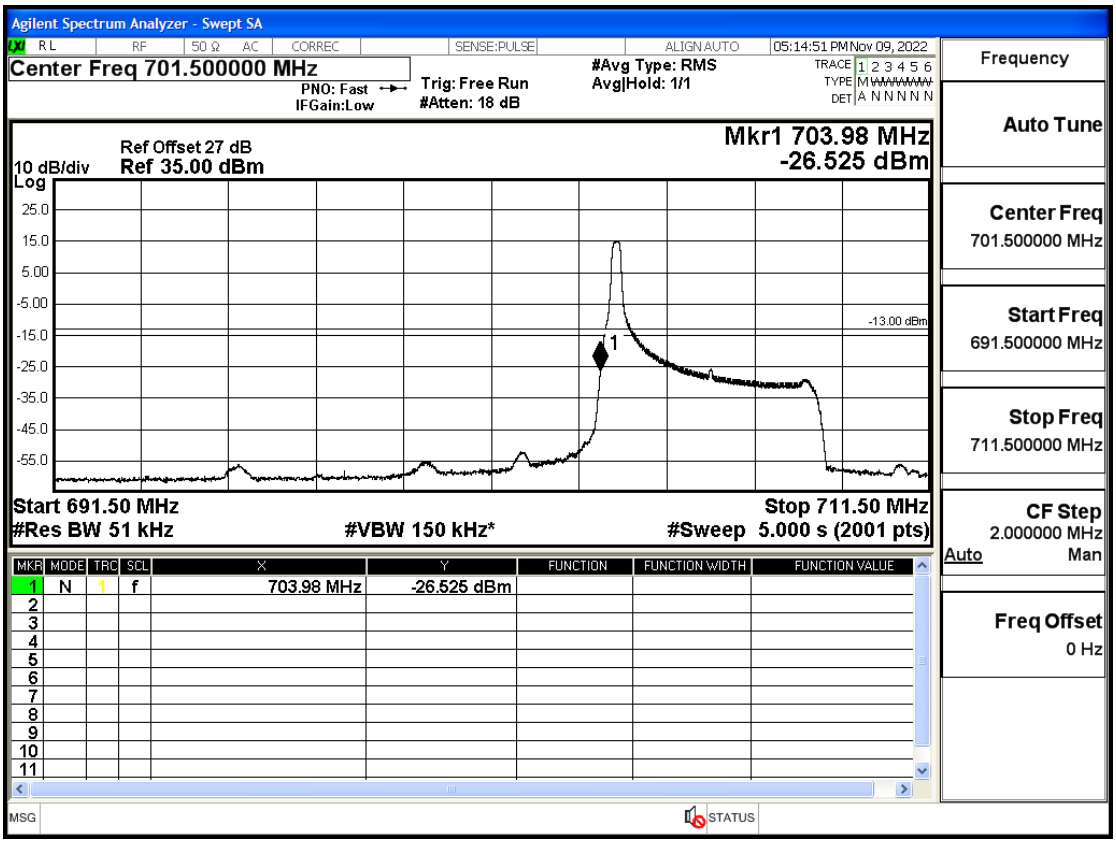
Band17-5-706.5-QPSK-1#LOW@Pass



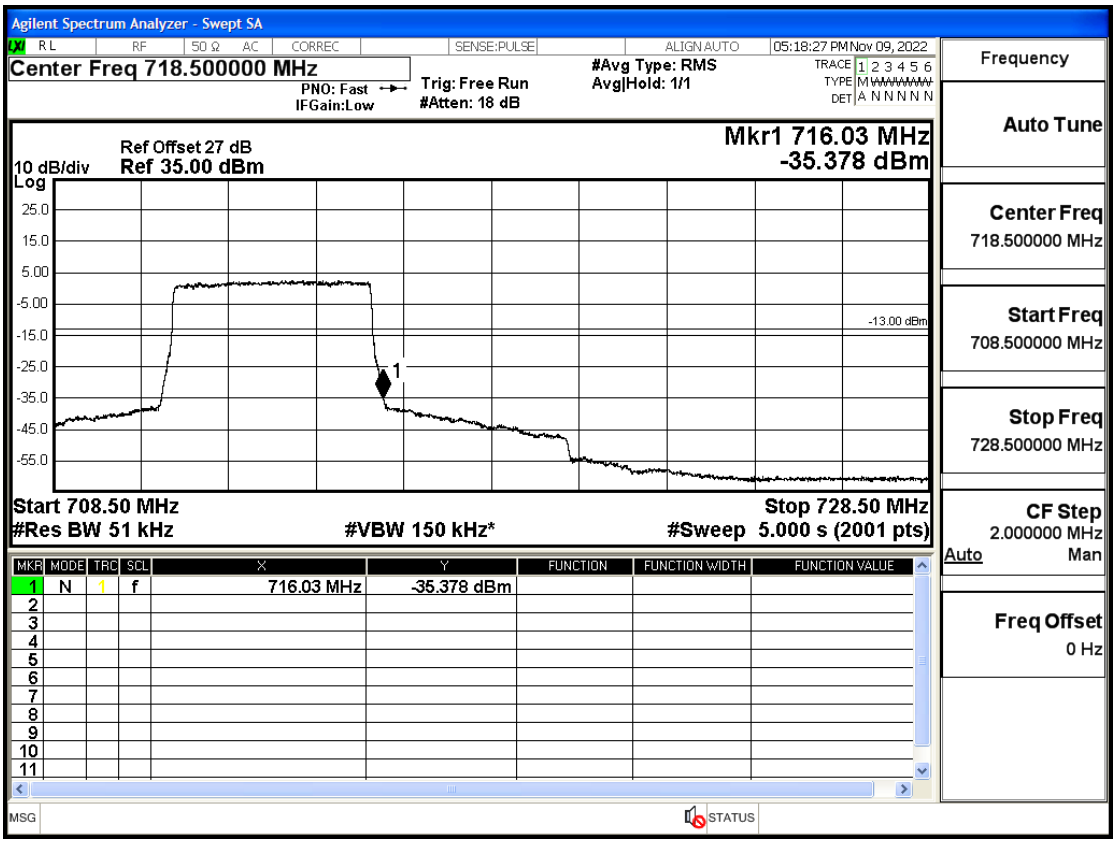
Band17-5-706.5-16QAM-25#LOW@Pass



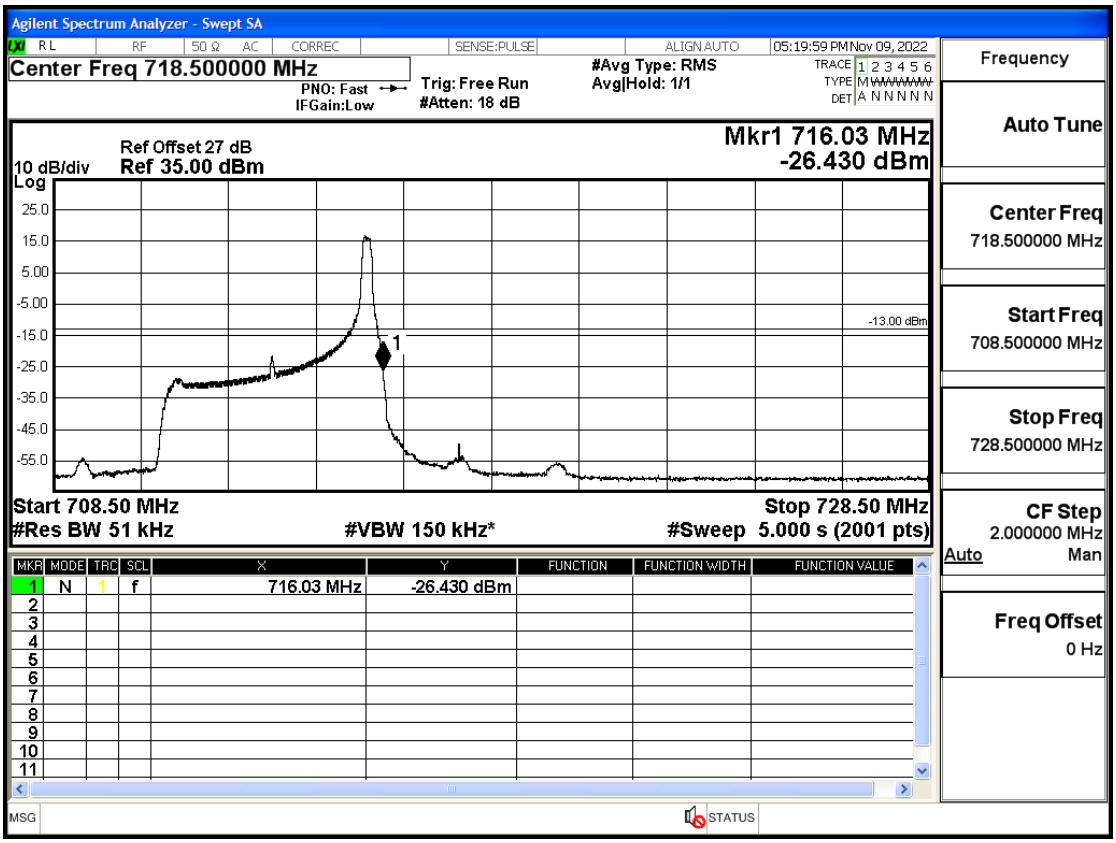
Band17-5-706.5-16QAM-1#LOW@Pass



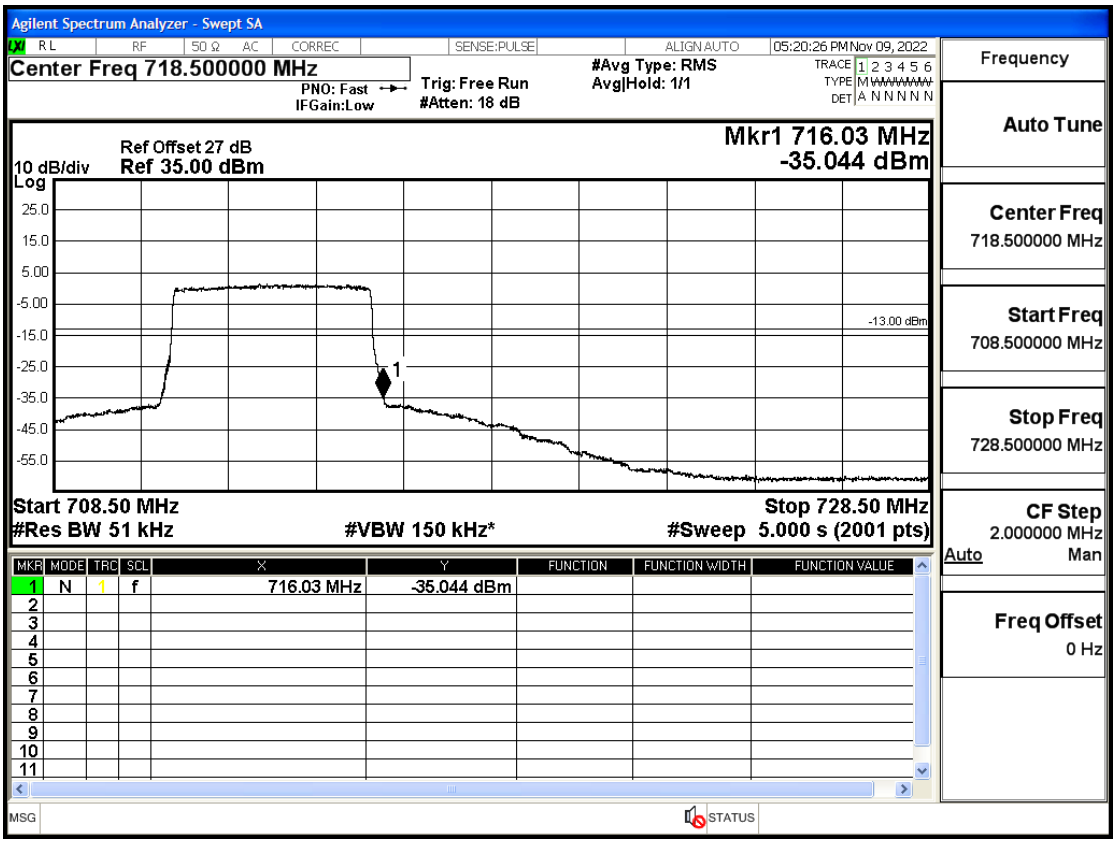
Band17-5-713.5-QPSK-25#LOW@Pass



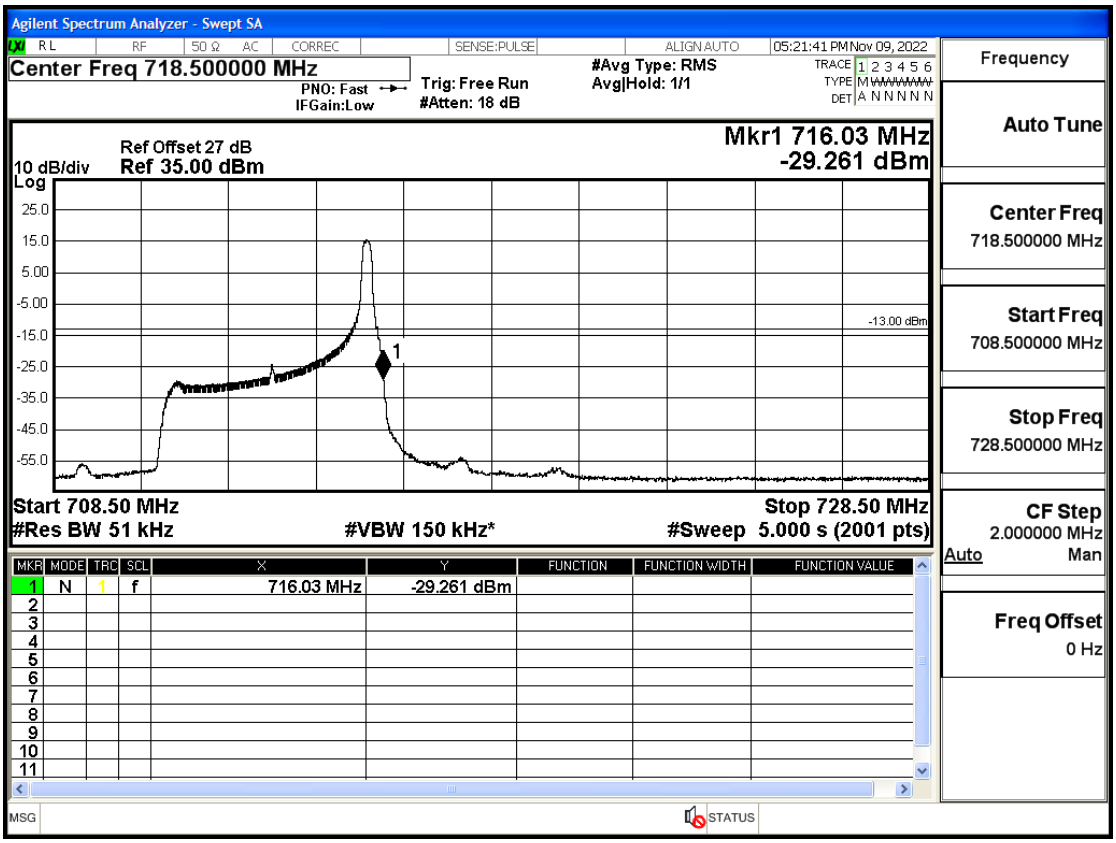
Band17-5-713.5-QPSK-1#HIGH@Pass



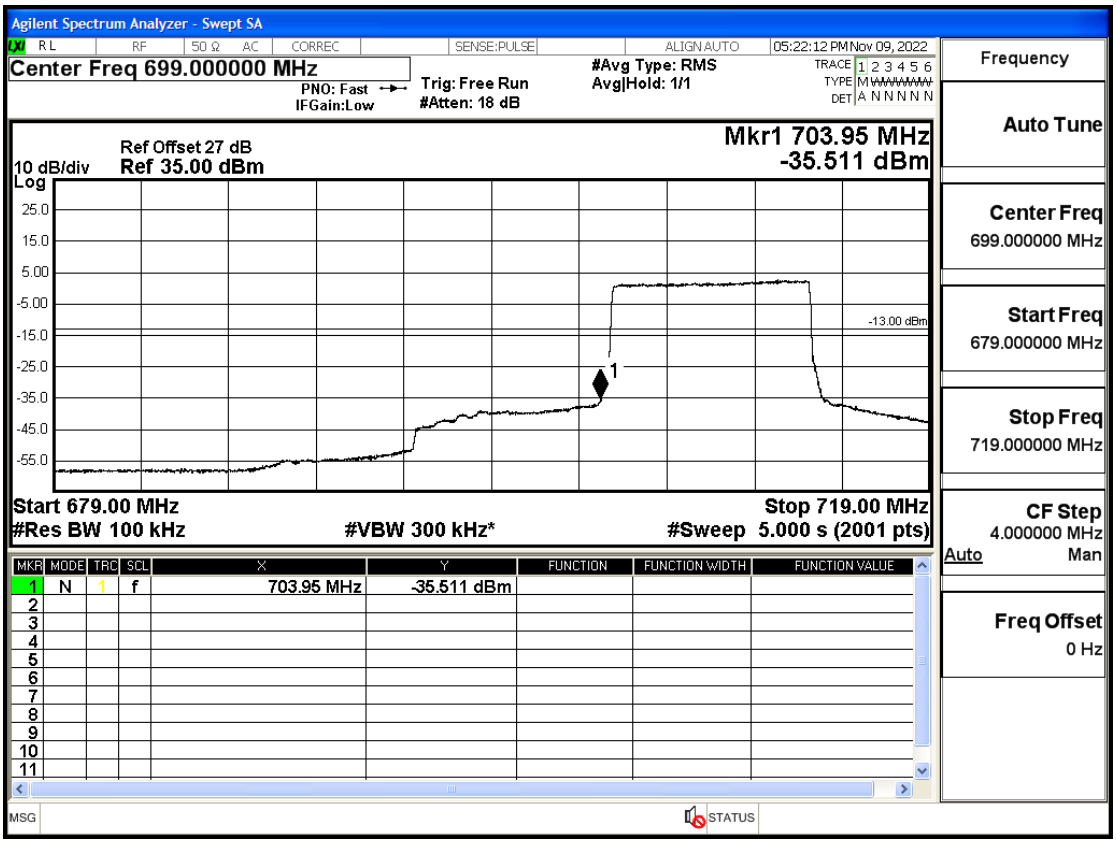
Band17-5-713.5-16QAM-25#LOW@Pass



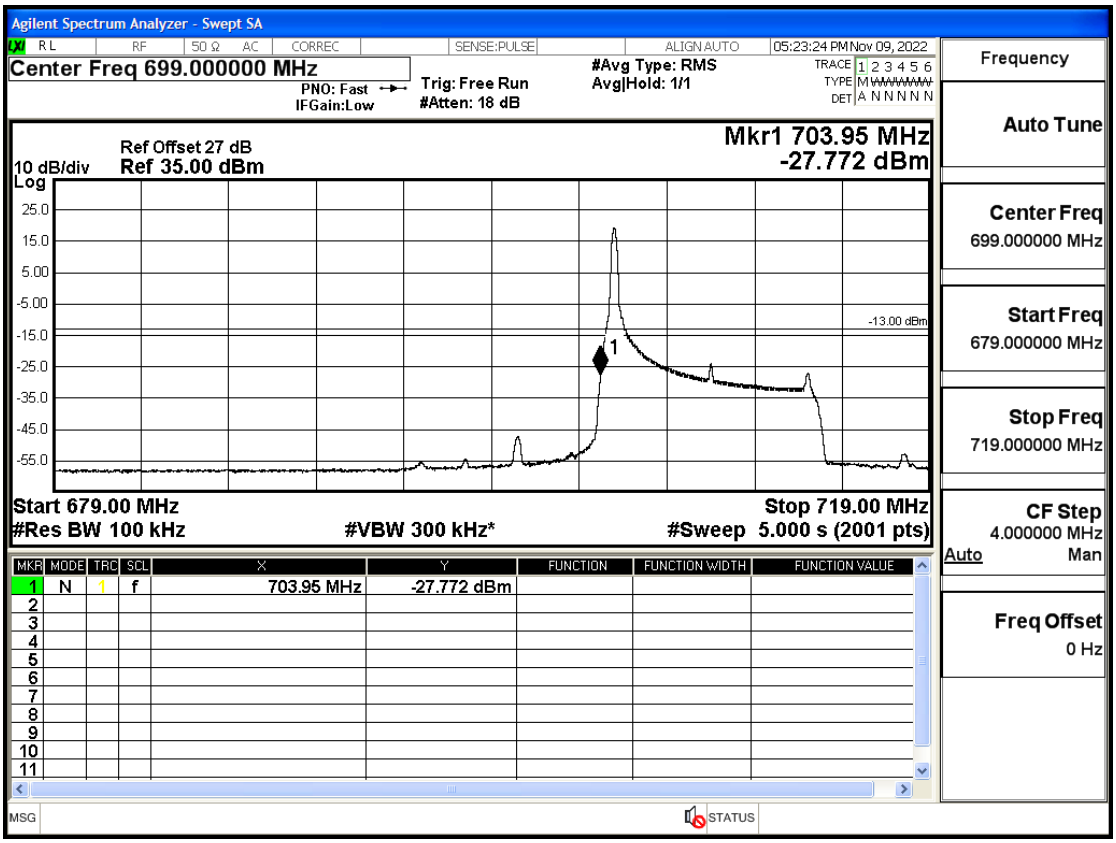
Band17-5-713.5-16QAM-1#HIGH@Pass



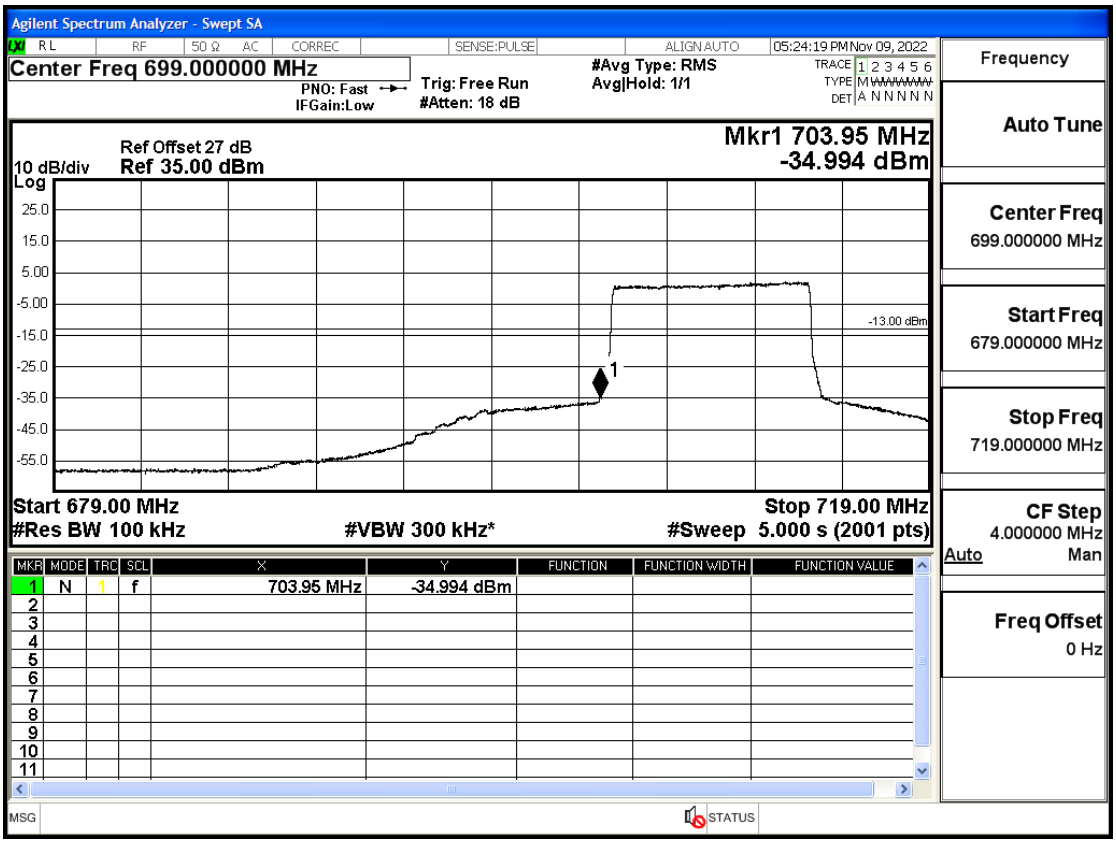
Band17-10-709-QPSK-50#LOW@Pass



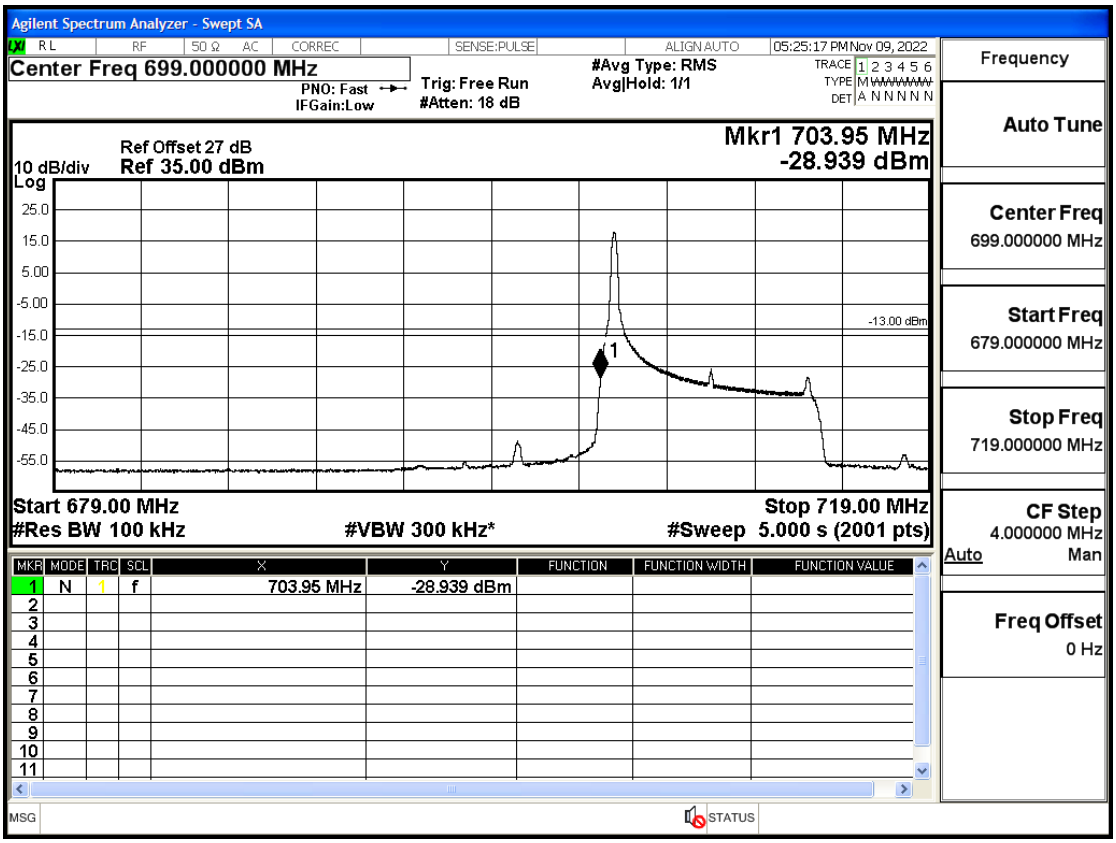
Band17-10-709-QPSK-1#LOW@Pass



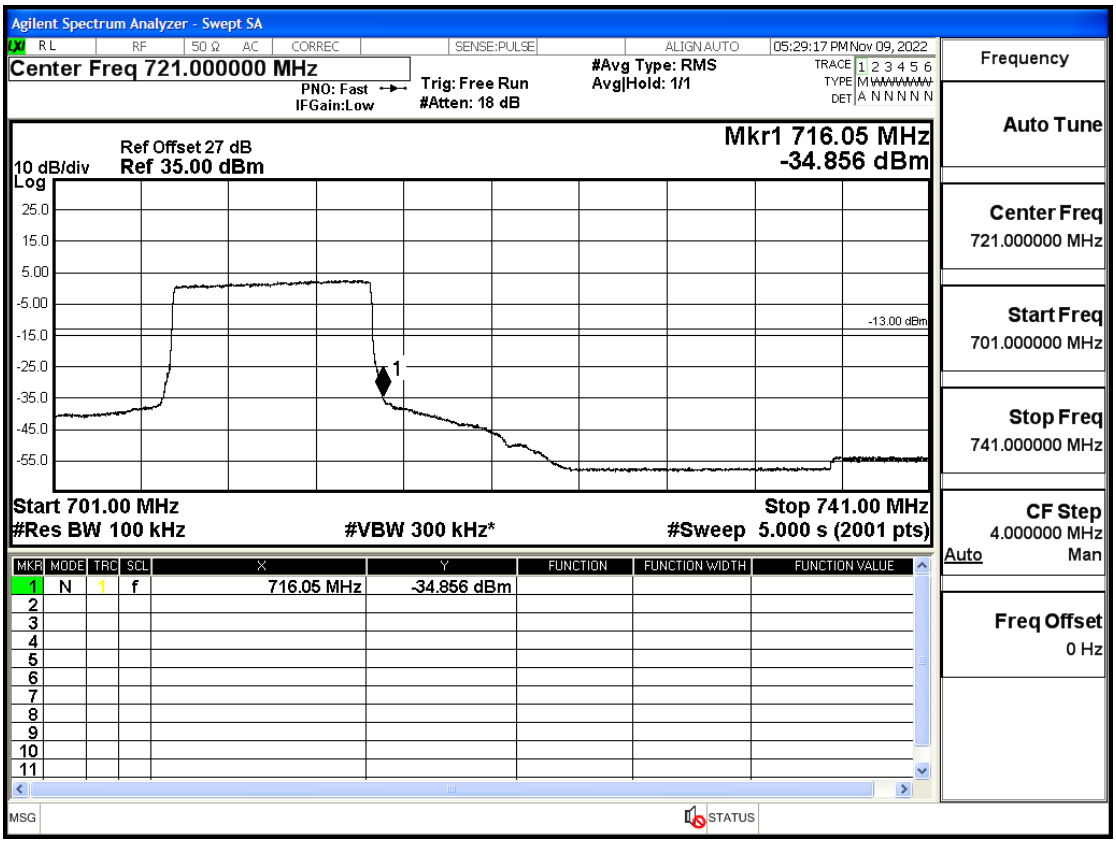
Band17-10-709-16QAM-50#LOW@Pass



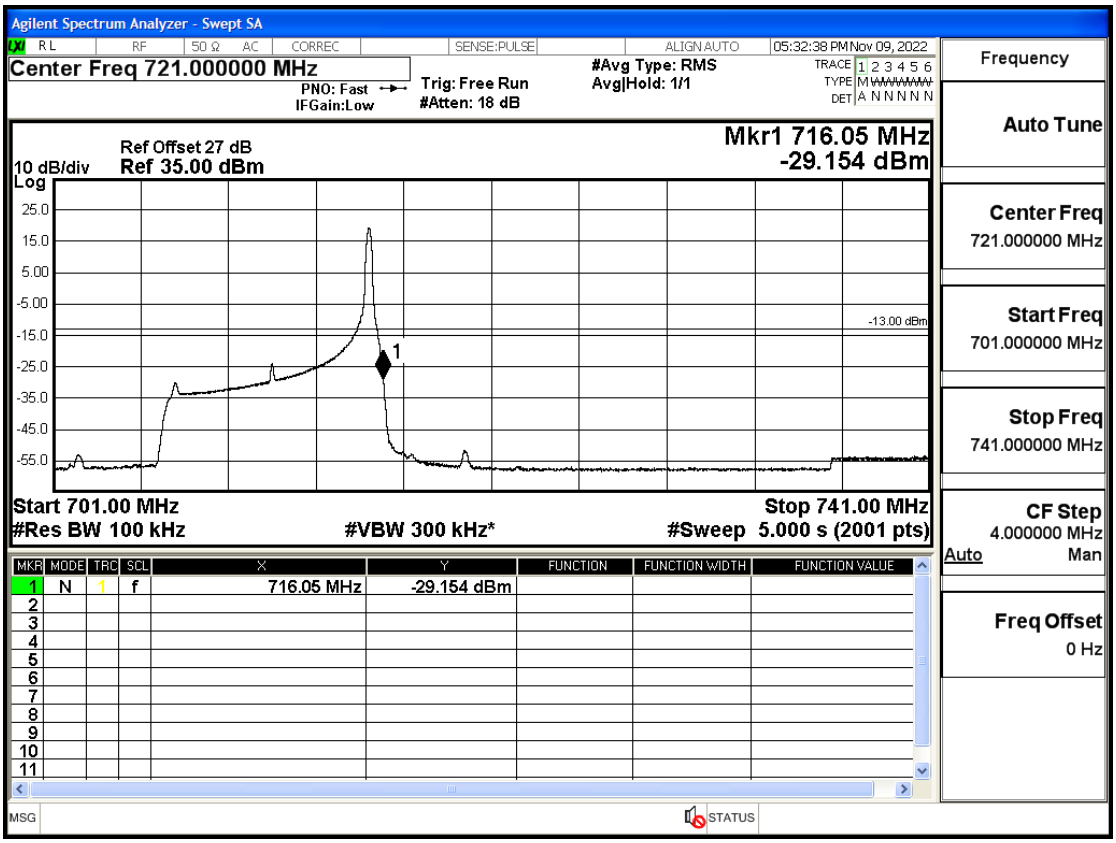
Band17-10-709-16QAM-1#LOW@Pass



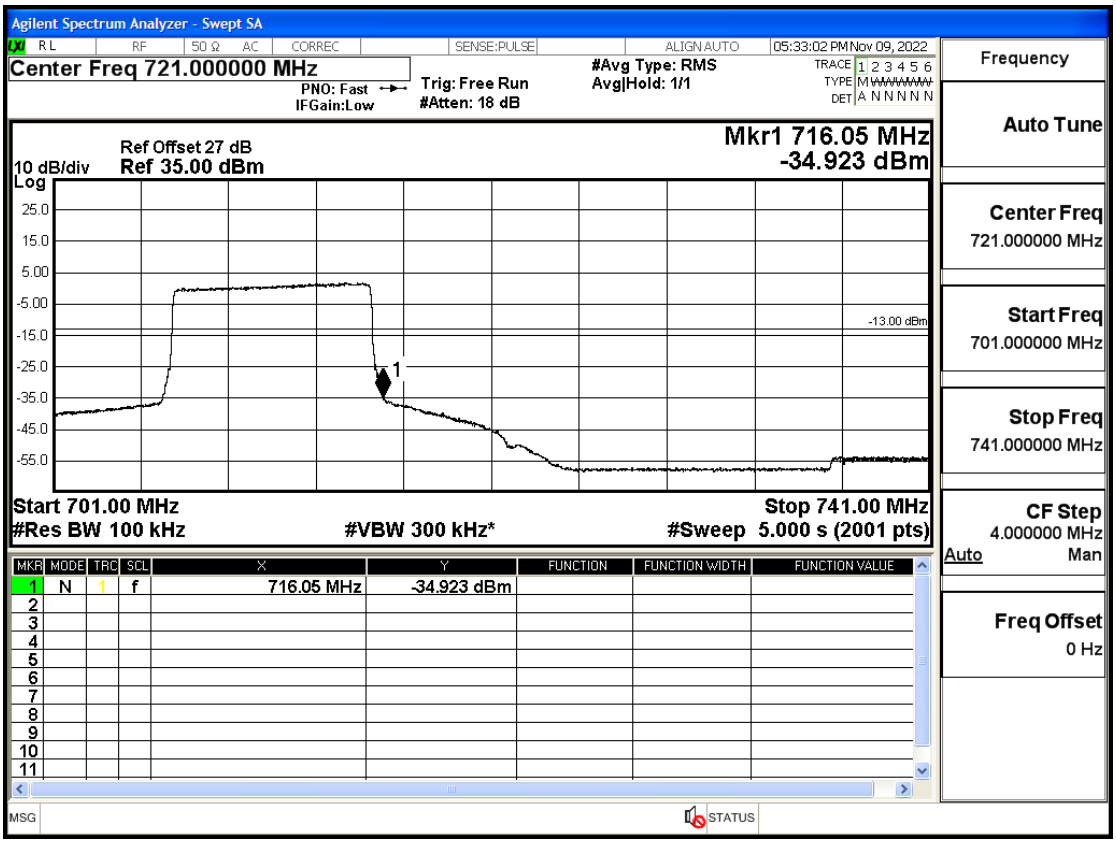
Band17-10-711-QPSK-50#LOW@Pass



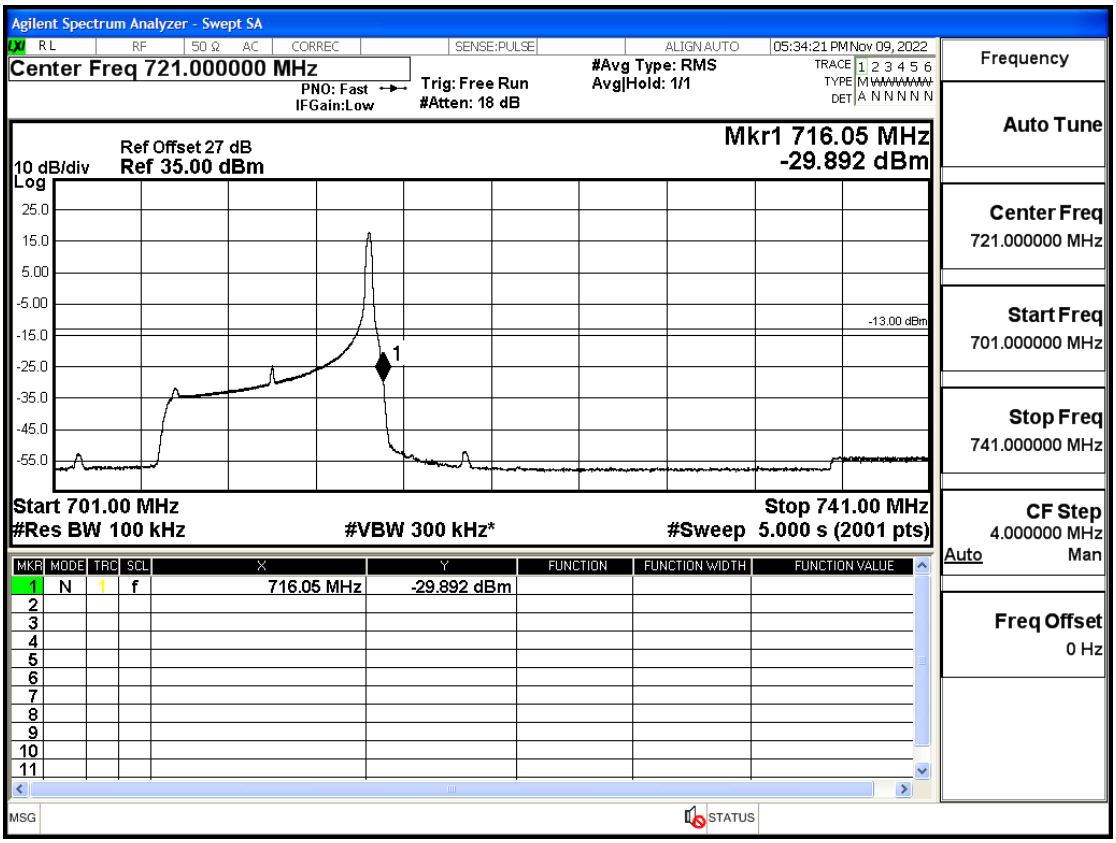
Band17-10-711-QPSK-1#HIGH@Pass



Band17-10-711-16QAM-50#LOW@Pass



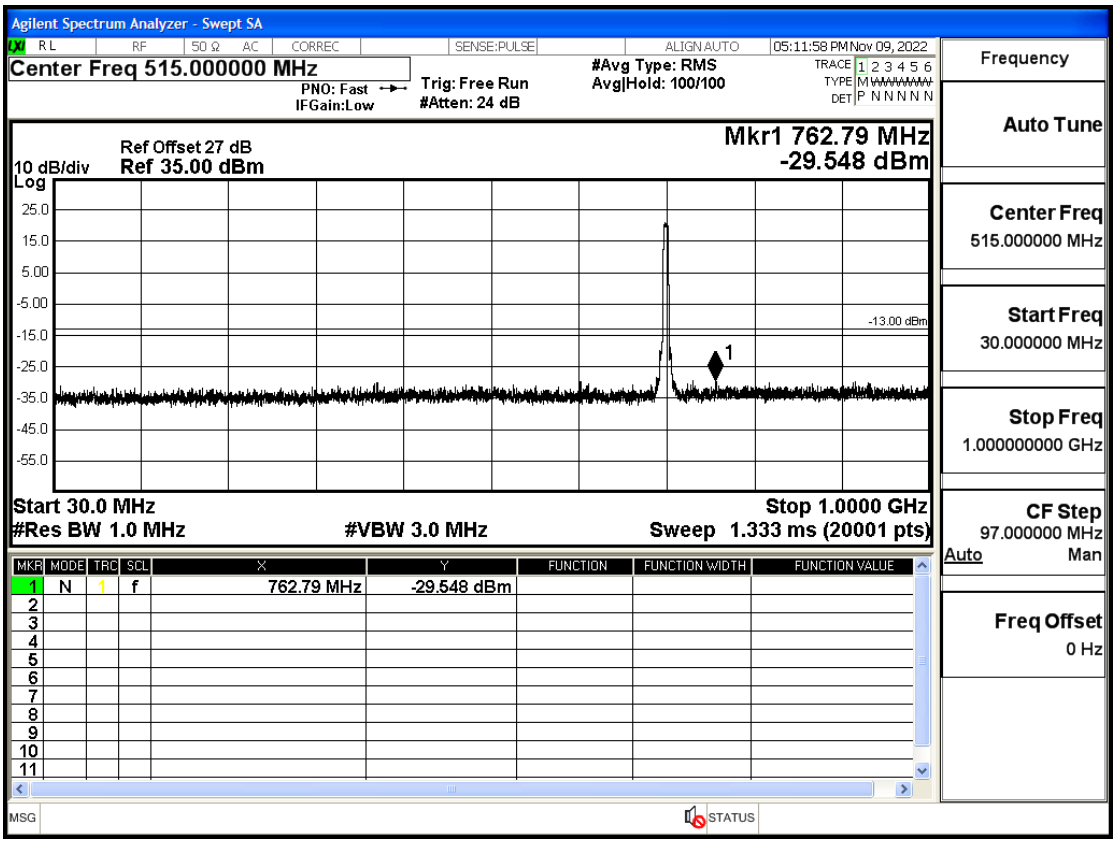
Band17-10-711-16QAM-1#HIGH@Pass



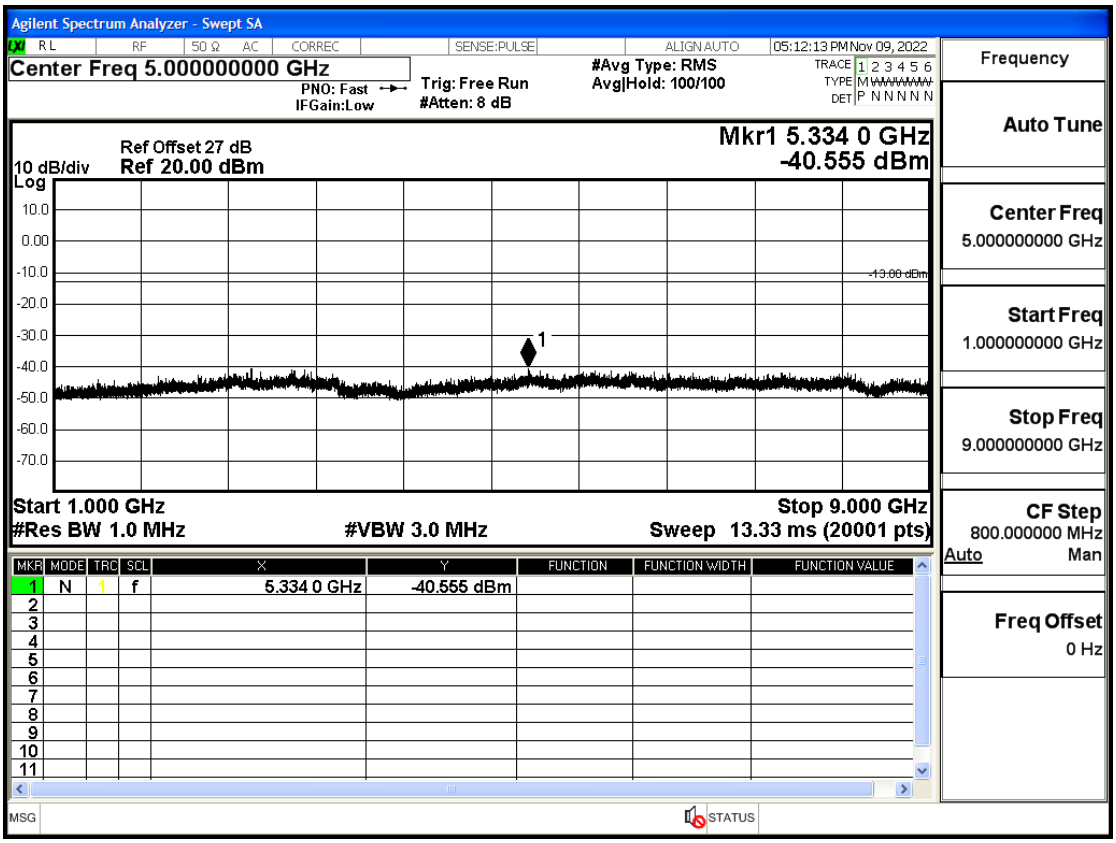
Conducted Spurious Emission

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Test Condition	Transmitter Spurious Emission(Pass/Fail)
OB17	5	706.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB17	5	706.5	QPSK	25	LOW	1GHz-9GHz	Pass
OB17	5	710	QPSK	25	LOW	30mHz-1GHz	Pass
OB17	5	710	QPSK	25	LOW	1GHz-9GHz	Pass
OB17	5	713.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB17	5	713.5	QPSK	25	LOW	1GHz-9GHz	Pass
OB17	10	709	QPSK	50	LOW	30mHz-1GHz	Pass
OB17	10	709	QPSK	50	LOW	1GHz-9GHz	Pass
OB17	10	710	QPSK	50	LOW	30mHz-1GHz	Pass
OB17	10	710	QPSK	50	LOW	1GHz-9GHz	Pass
OB17	10	711	QPSK	50	LOW	30mHz-1GHz	Pass
OB17	10	711	QPSK	50	LOW	1GHz-9GHz	Pass
OB17	5	706.5	Q16	25	LOW	30mHz-1GHz	Pass
OB17	5	706.5	Q16	25	LOW	1GHz-9GHz	Pass
OB17	5	710	Q16	25	LOW	30mHz-1GHz	Pass
OB17	5	710	Q16	25	LOW	1GHz-9GHz	Pass
OB17	5	713.5	Q16	25	LOW	30mHz-1GHz	Pass
OB17	5	713.5	Q16	25	LOW	1GHz-9GHz	Pass
OB17	10	709	Q16	50	LOW	30mHz-1GHz	Pass
OB17	10	709	Q16	50	LOW	1GHz-9GHz	Pass
OB17	10	710	Q16	50	LOW	30mHz-1GHz	Pass
OB17	10	710	Q16	50	LOW	1GHz-9GHz	Pass
OB17	10	711	Q16	50	LOW	30mHz-1GHz	Pass
OB17	10	711	Q16	50	LOW	1GHz-9GHz	Pass

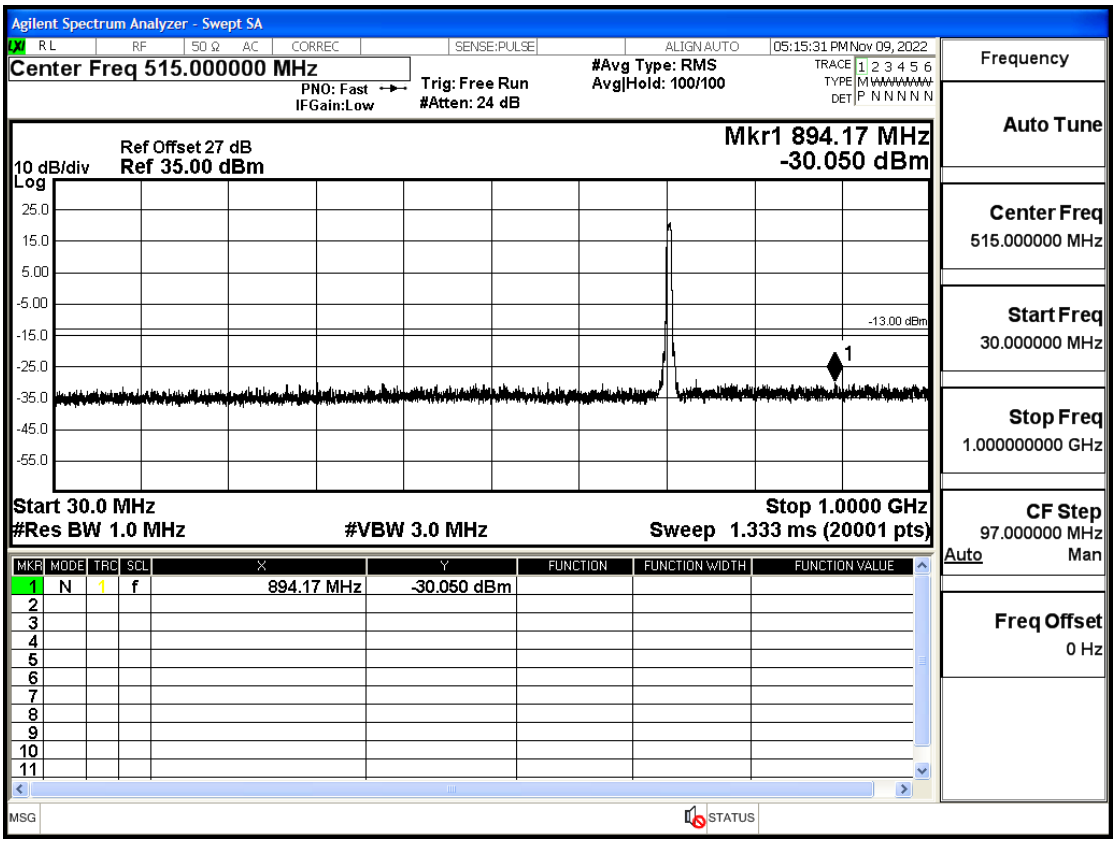
OB17-5-706.5-QPSK-25#LOW@30mHz-1GHz@Pass



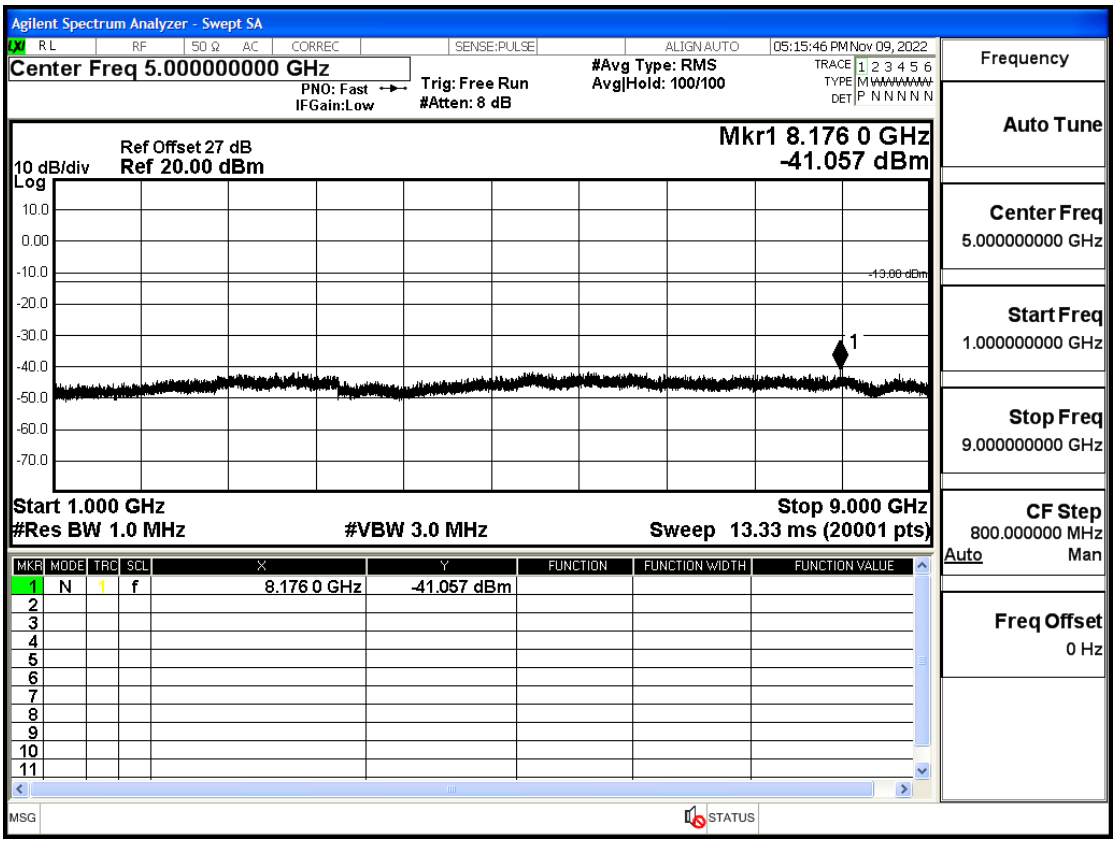
OB17-5-706.5-QPSK-25#LOW@1GHz-9GHz@Pass



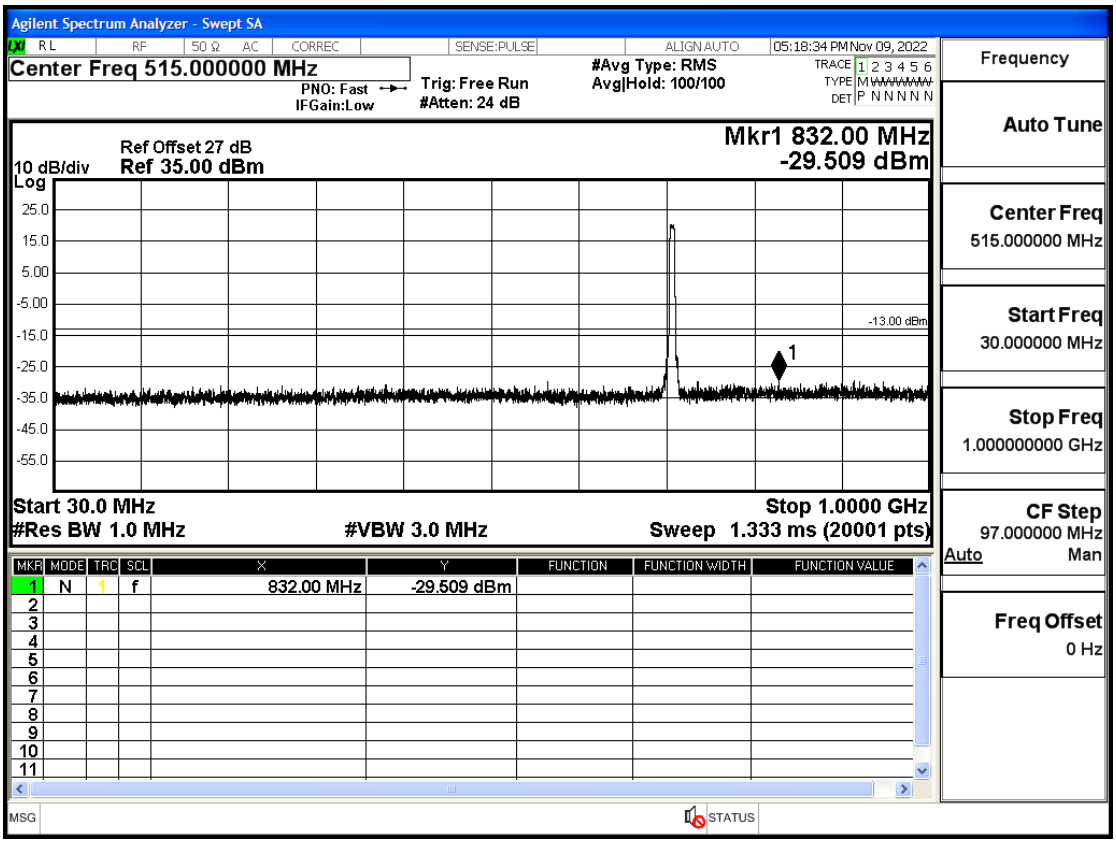
OB17-5-710-QPSK-25#LOW@30mHz-1GHz@Pass



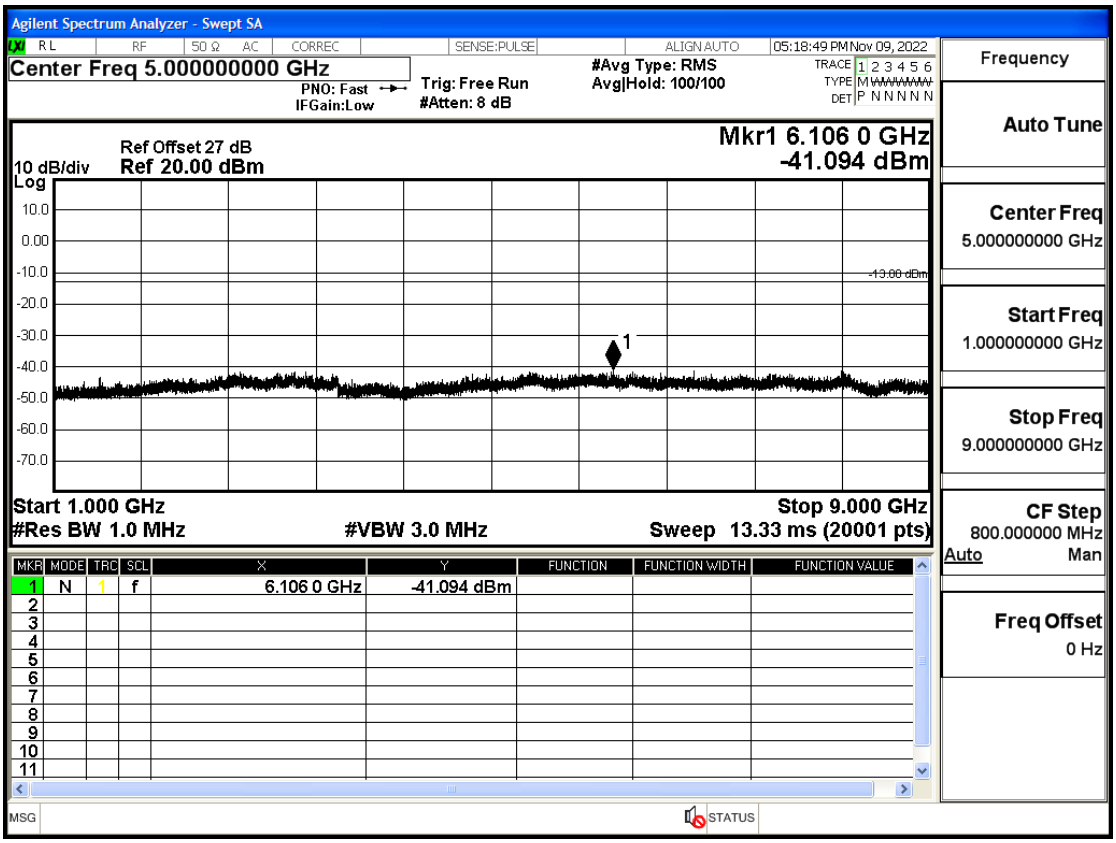
OB17-5-710-QPSK-25#LOW@1GHz-9GHz@Pass



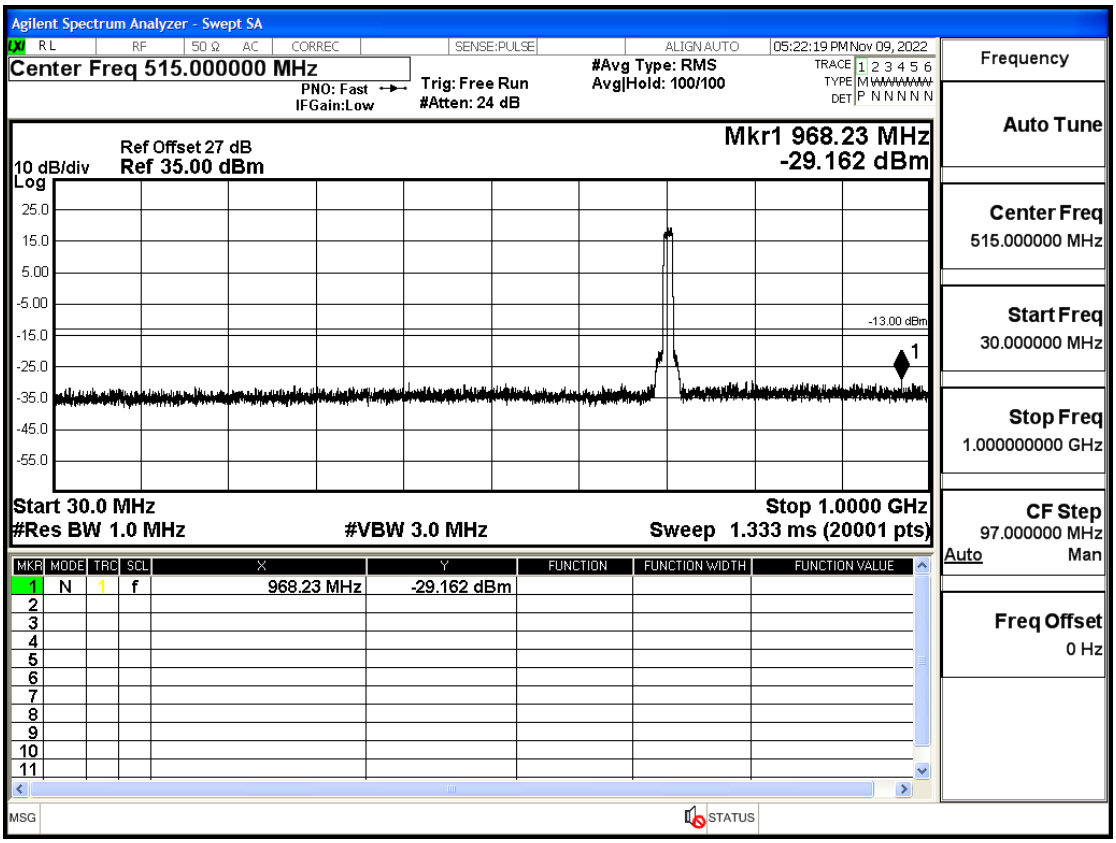
OB17-5-713.5-QPSK-25#LOW@30mHz-1GHz@Pass



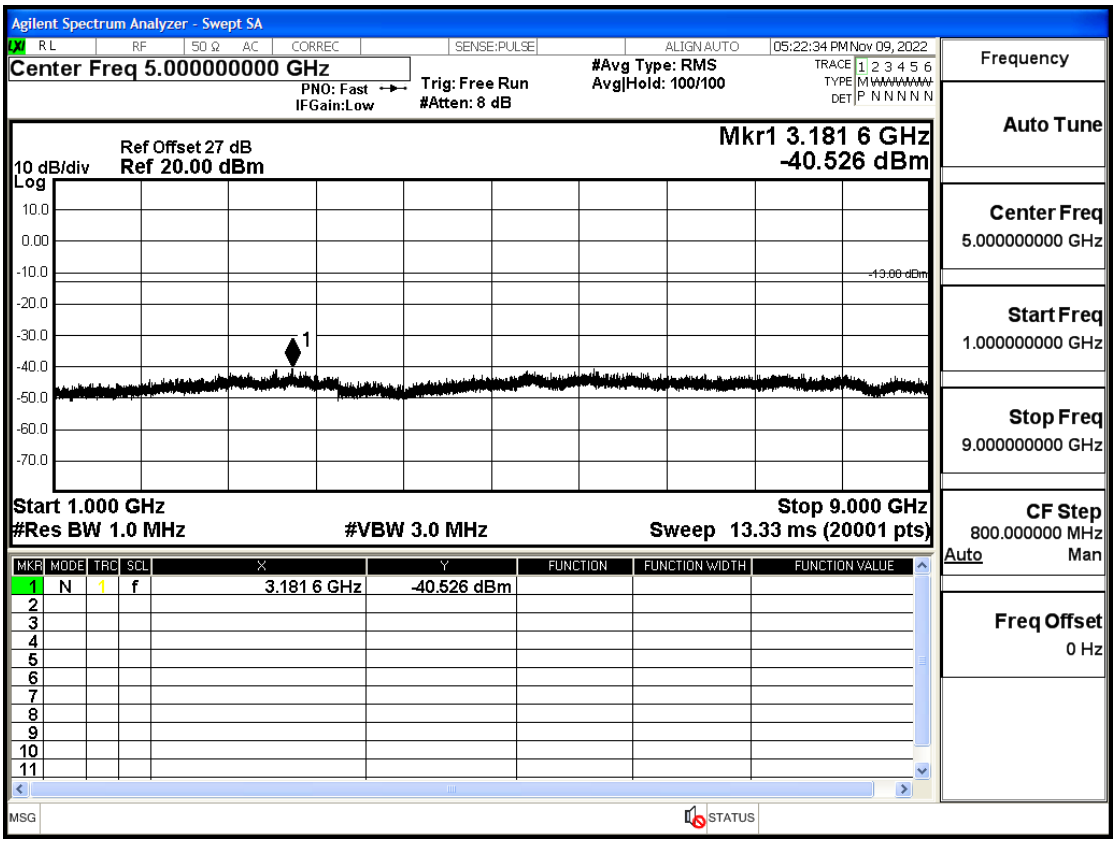
OB17-5-713.5-QPSK-25#LOW@1GHz-9GHz@Pass



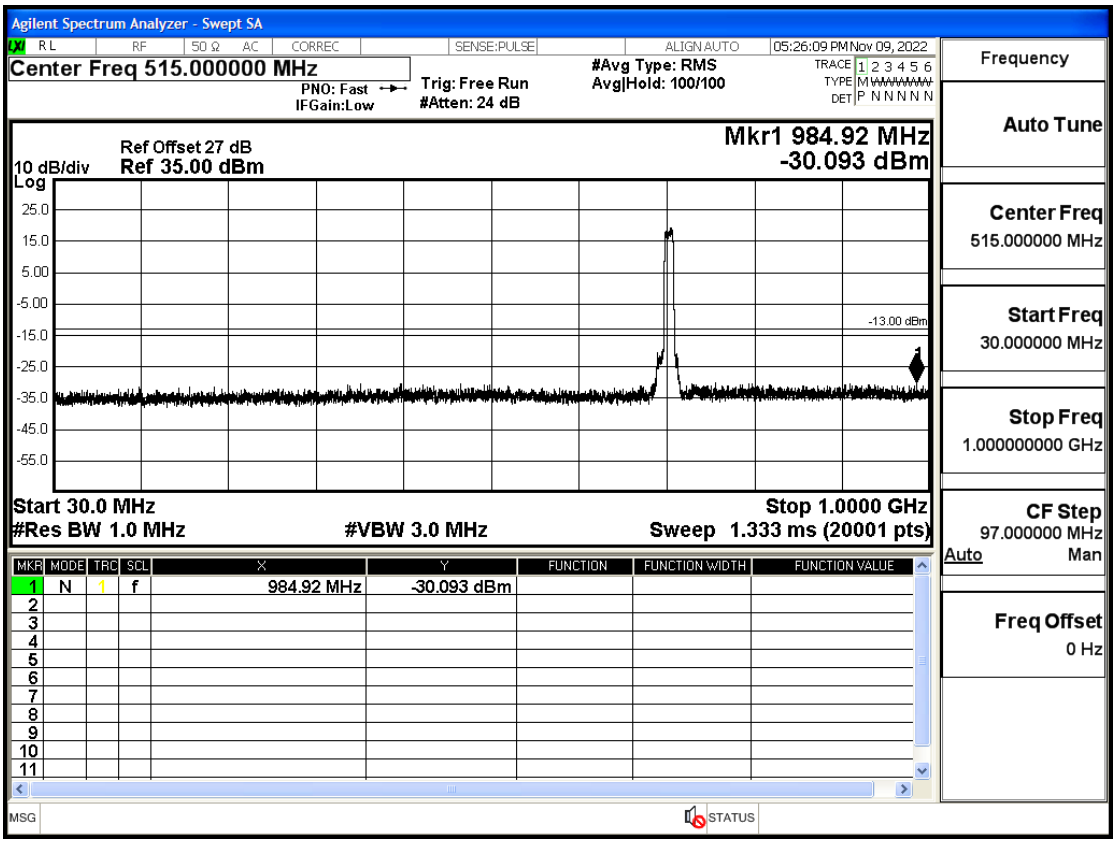
OB17-10-709-QPSK-50#LOW@30mHz-1GHz@Pass



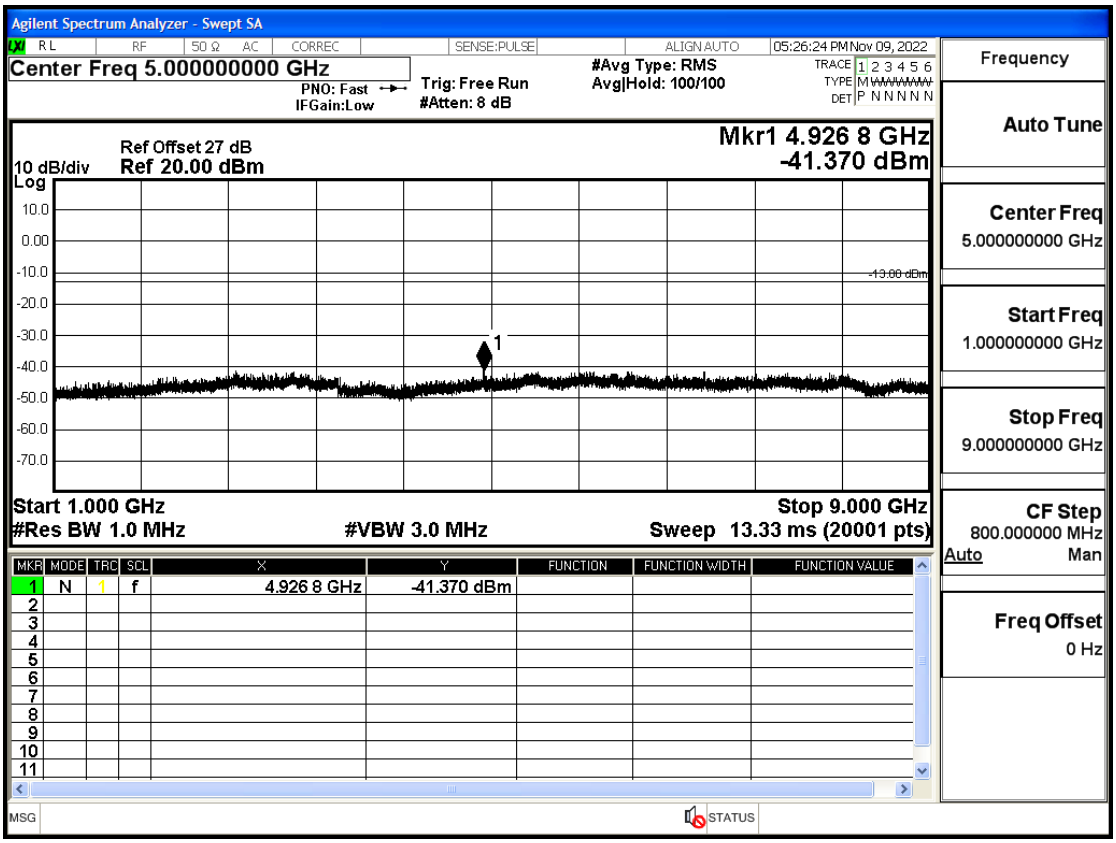
OB17-10-709-QPSK-50#LOW@1GHz-9GHz@Pass



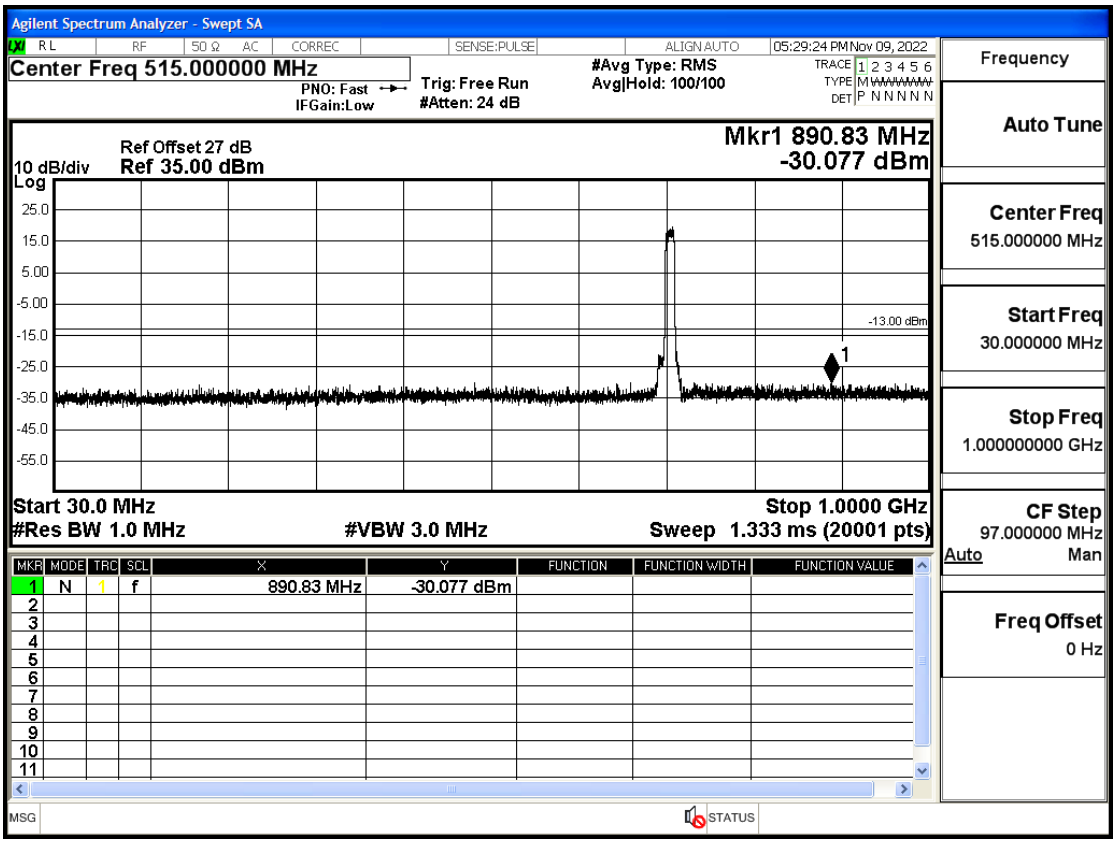
OB17-10-710-QPSK-50#LOW@30mHz-1GHz@Pass



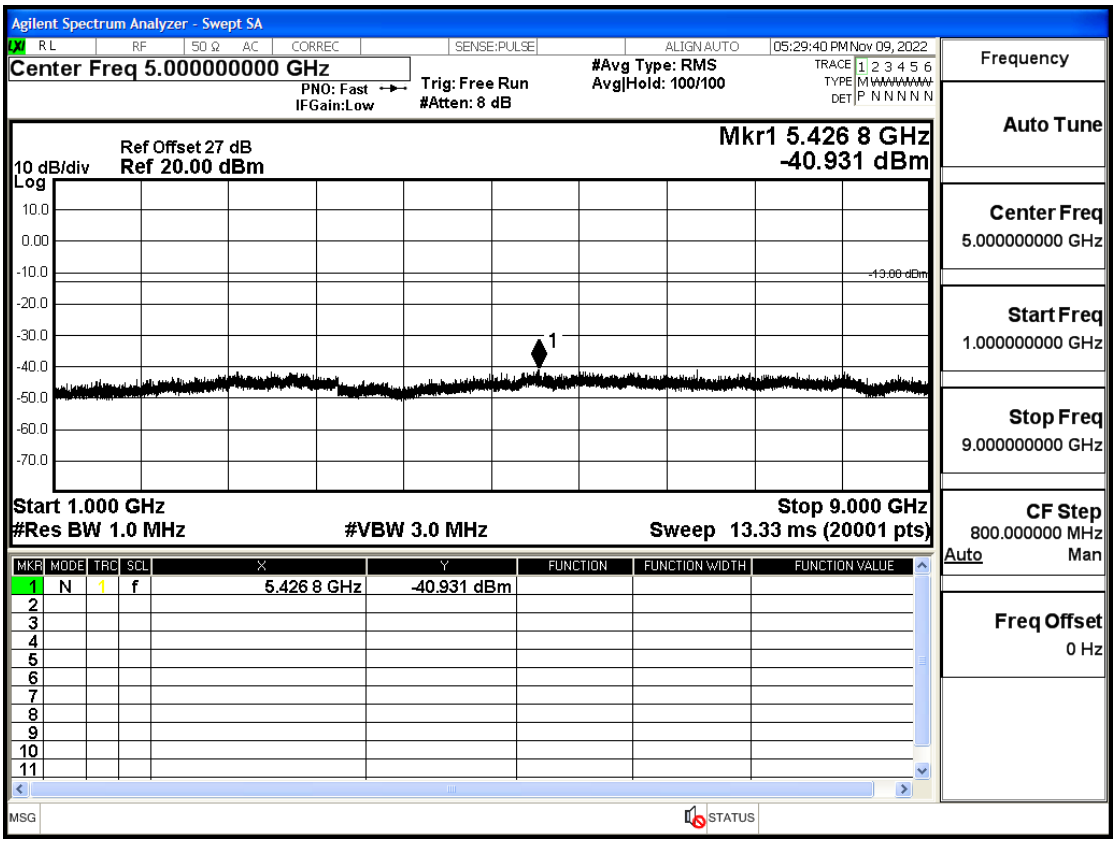
OB17-10-710-QPSK-50#LOW@1GHz-9GHz@Pass



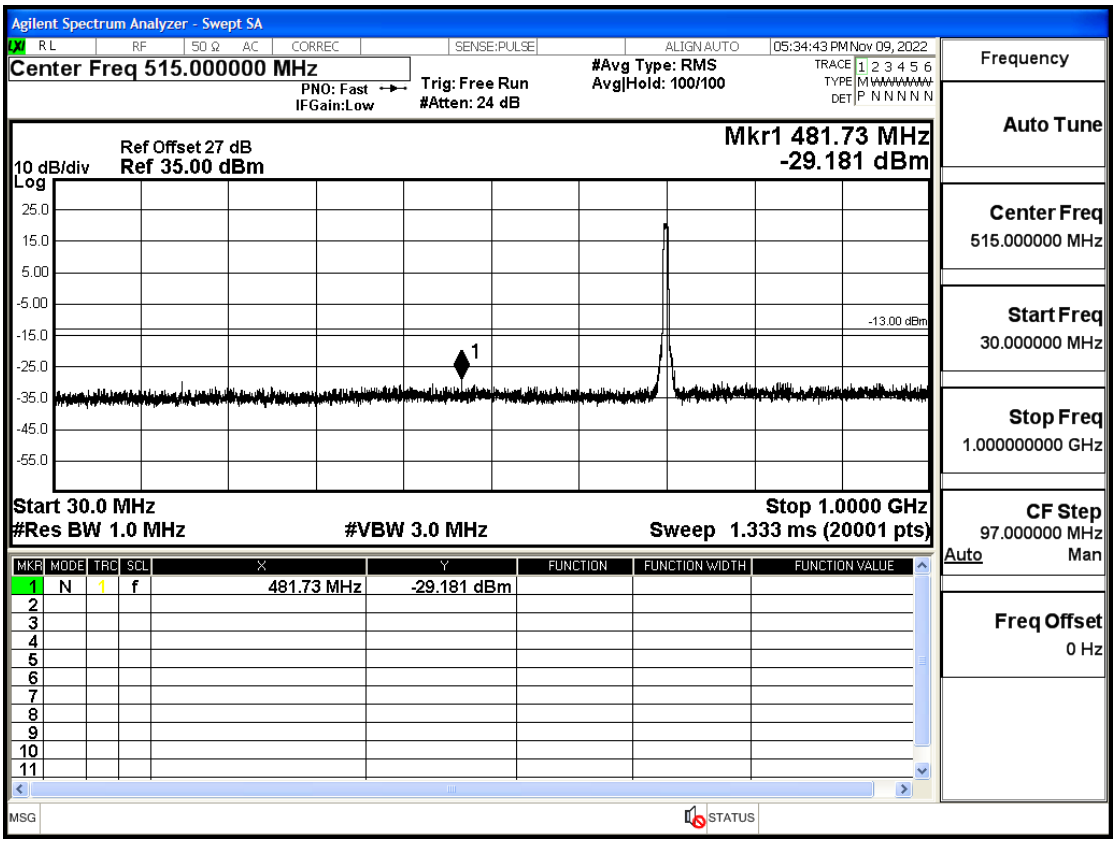
OB17-10-711-QPSK-50#LOW@30mHz-1GHz@Pass



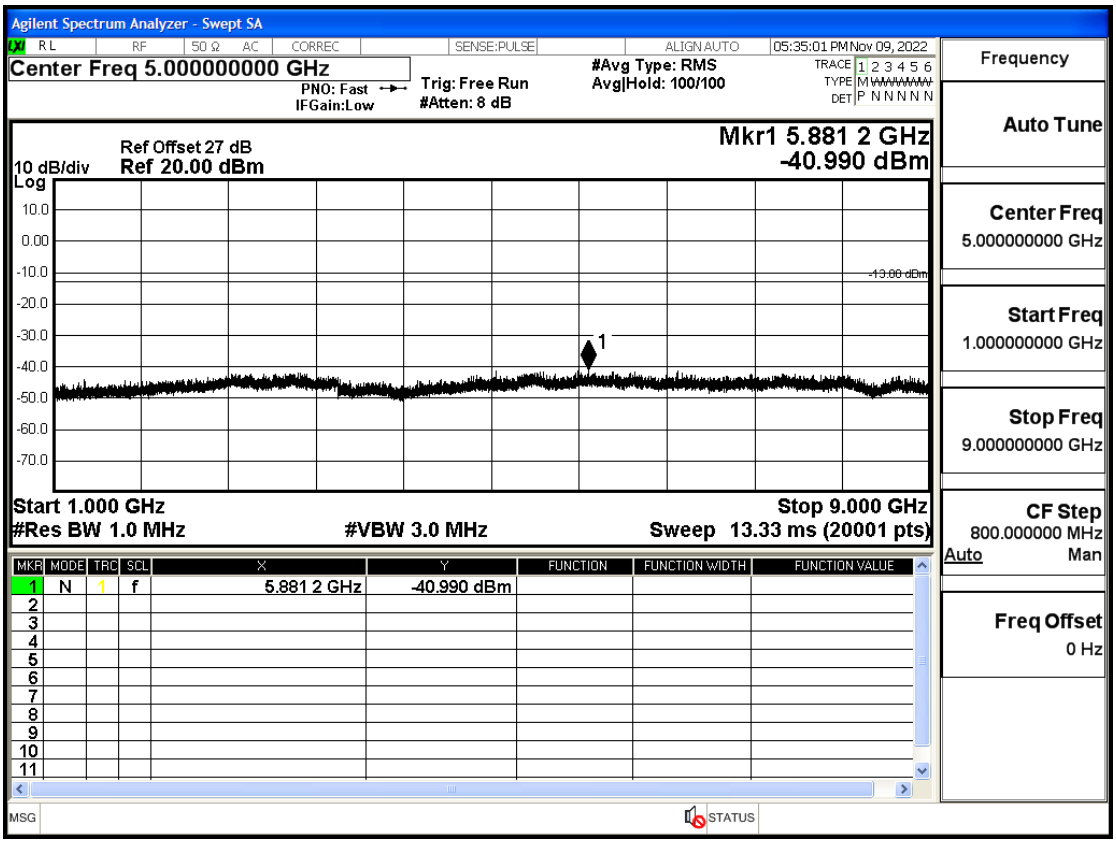
OB17-10-711-QPSK-50#LOW@1GHz-9GHz@Pass



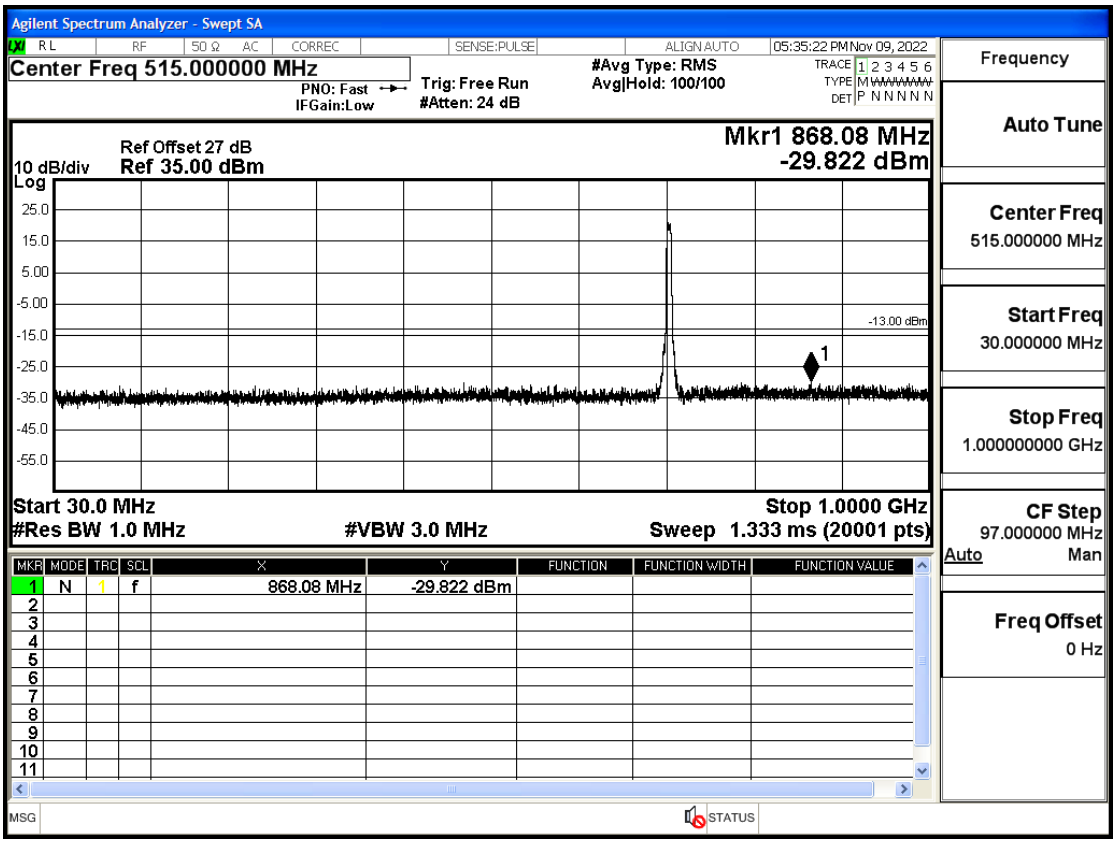
OB17-5-706.5-Q16-25#LOW@30mHz-1GHz@Pass



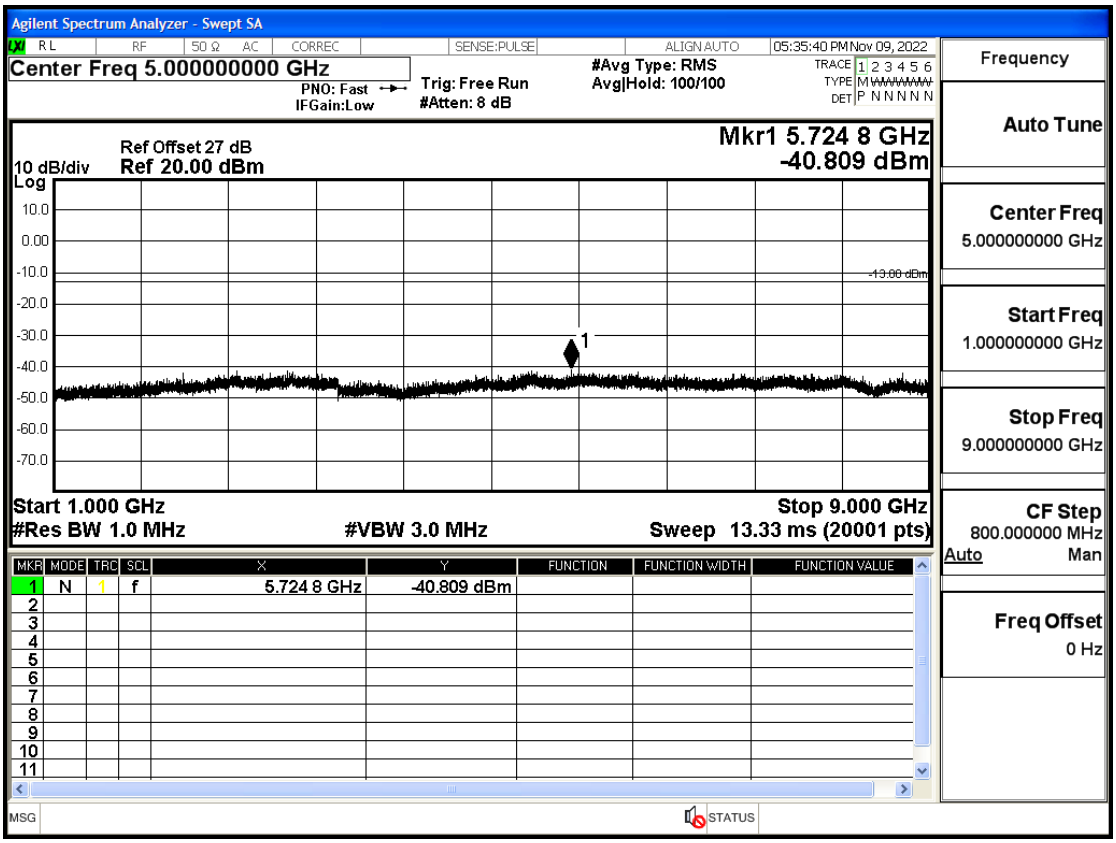
OB17-5-706.5-Q16-25#LOW@1GHz-9GHz@Pass



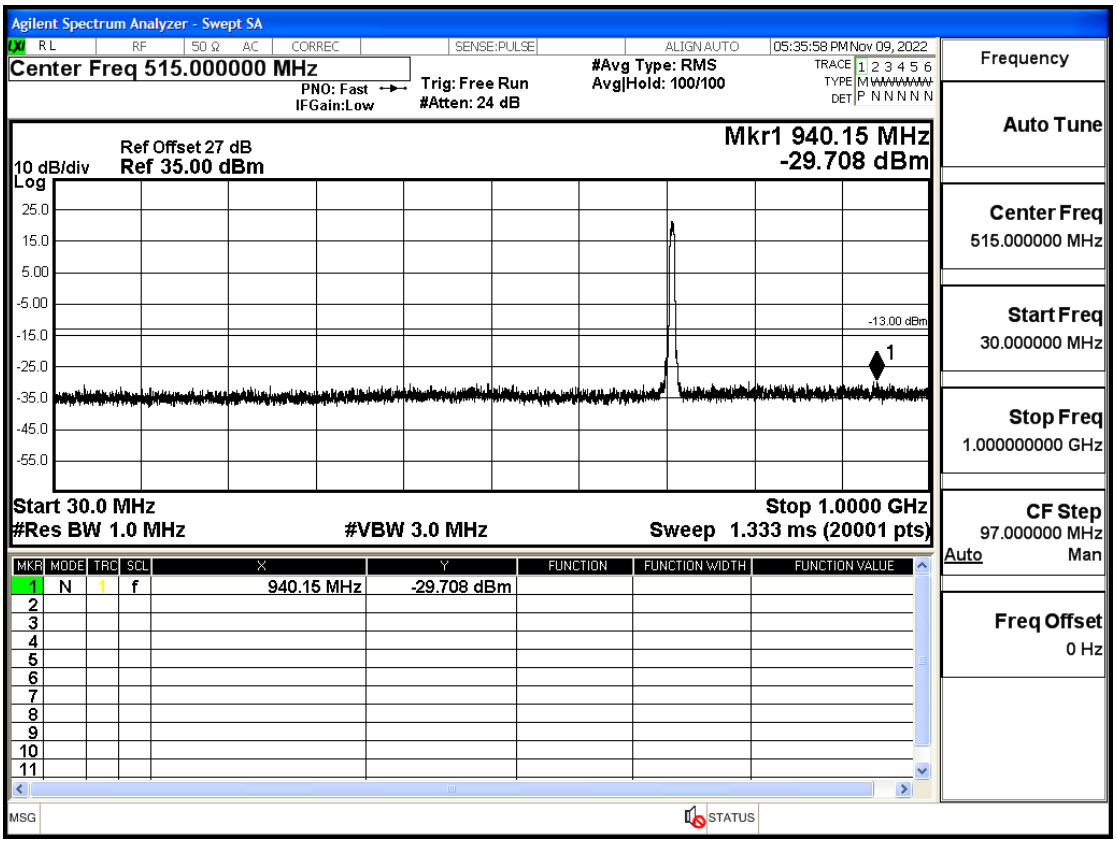
OB17-5-710-Q16-25#LOW@30mHz-1GHz@Pass



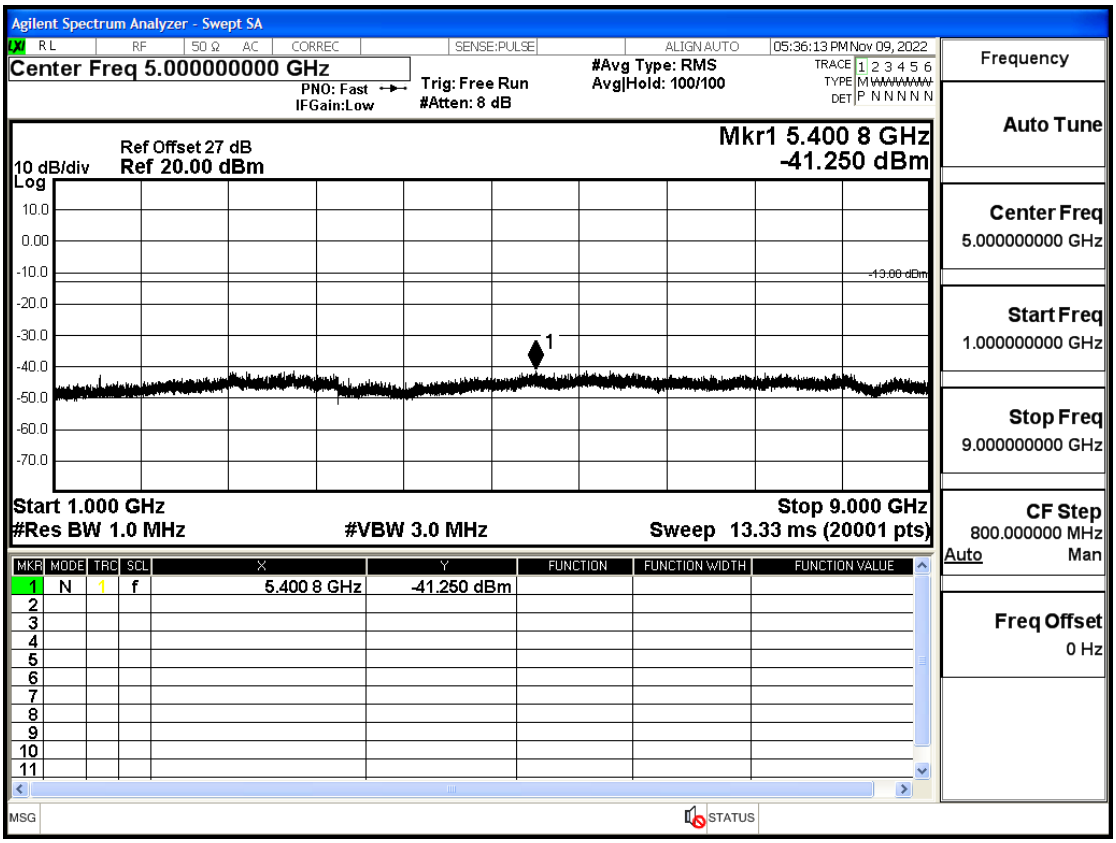
OB17-5-710-Q16-25#LOW@1GHz-9GHz@Pass



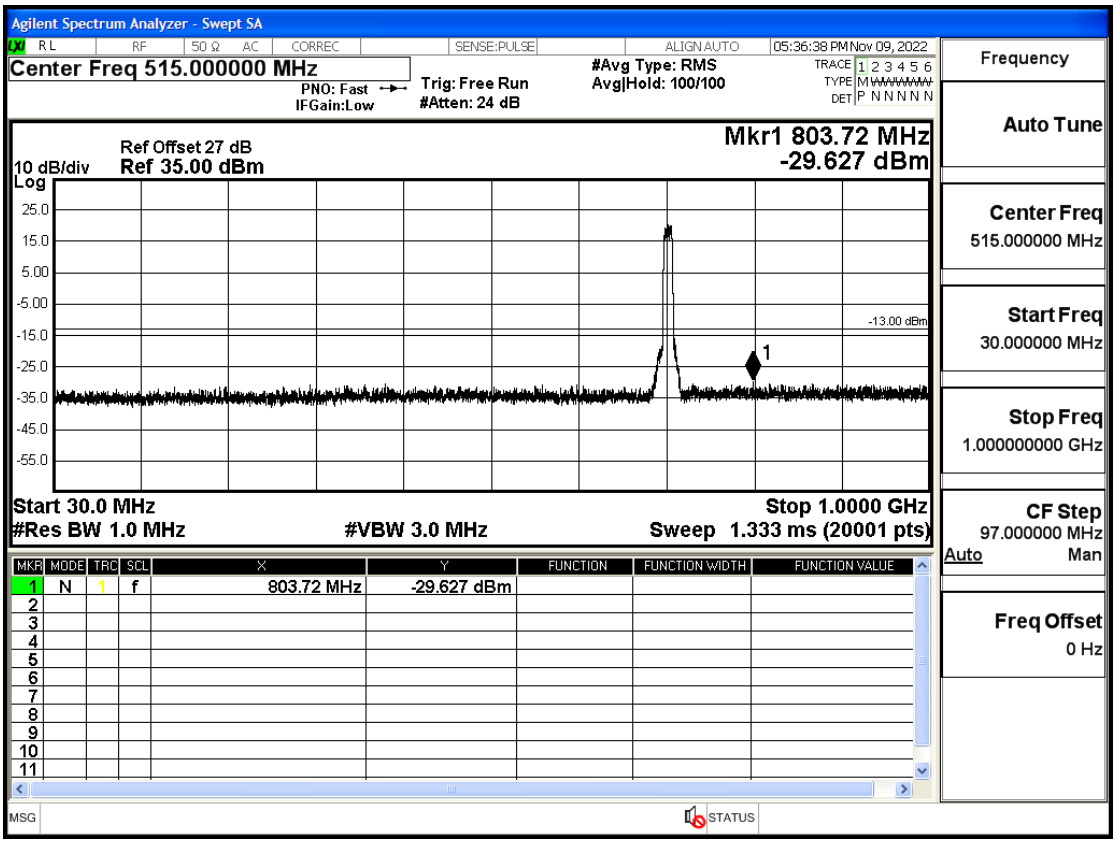
OB17-5-713.5-Q16-25#LOW@30mHz-1GHz@Pass



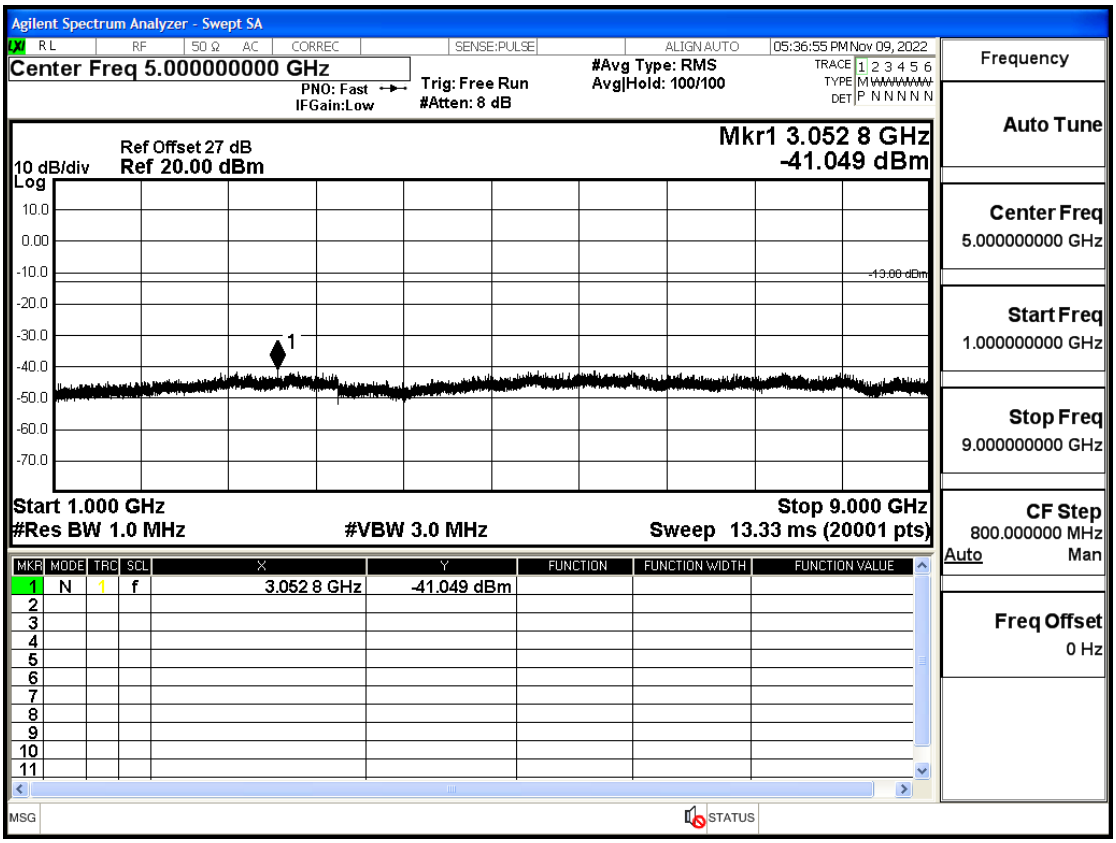
OB17-5-713.5-Q16-25#LOW@1GHz-9GHz@Pass



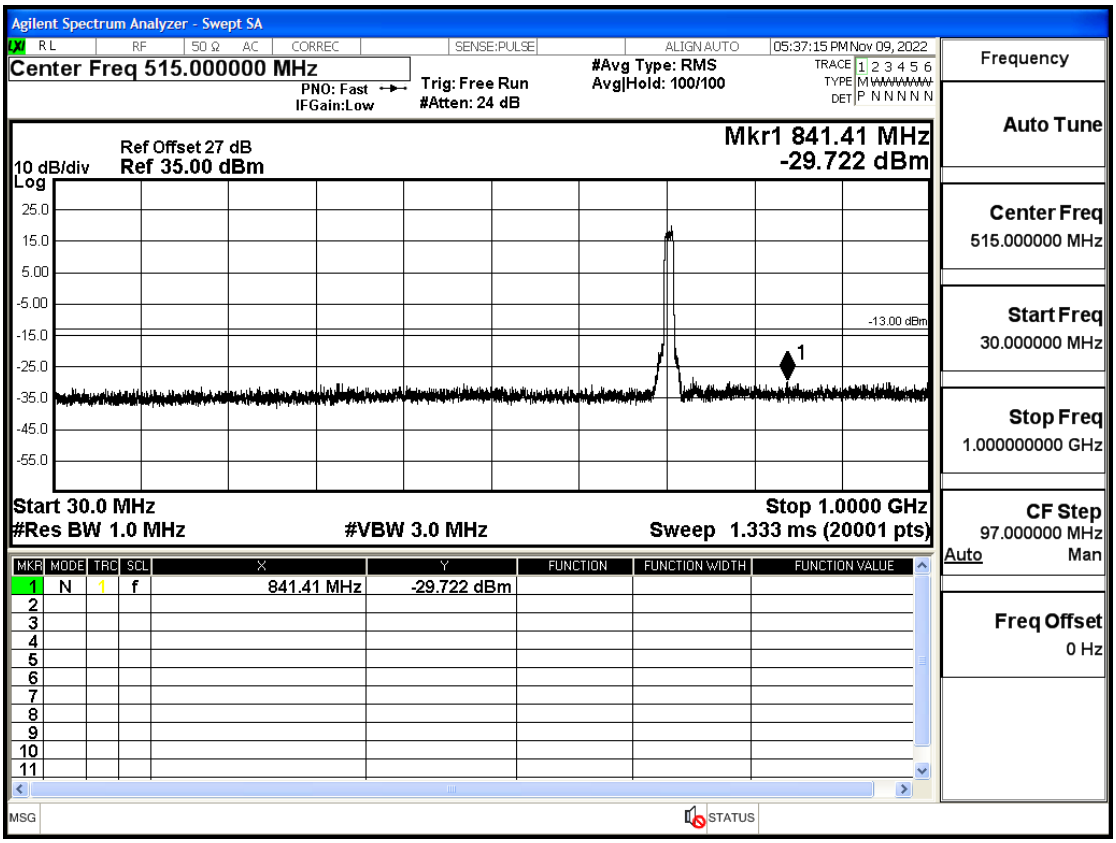
OB17-10-709-Q16-50#LOW@30mHz-1GHz@Pass



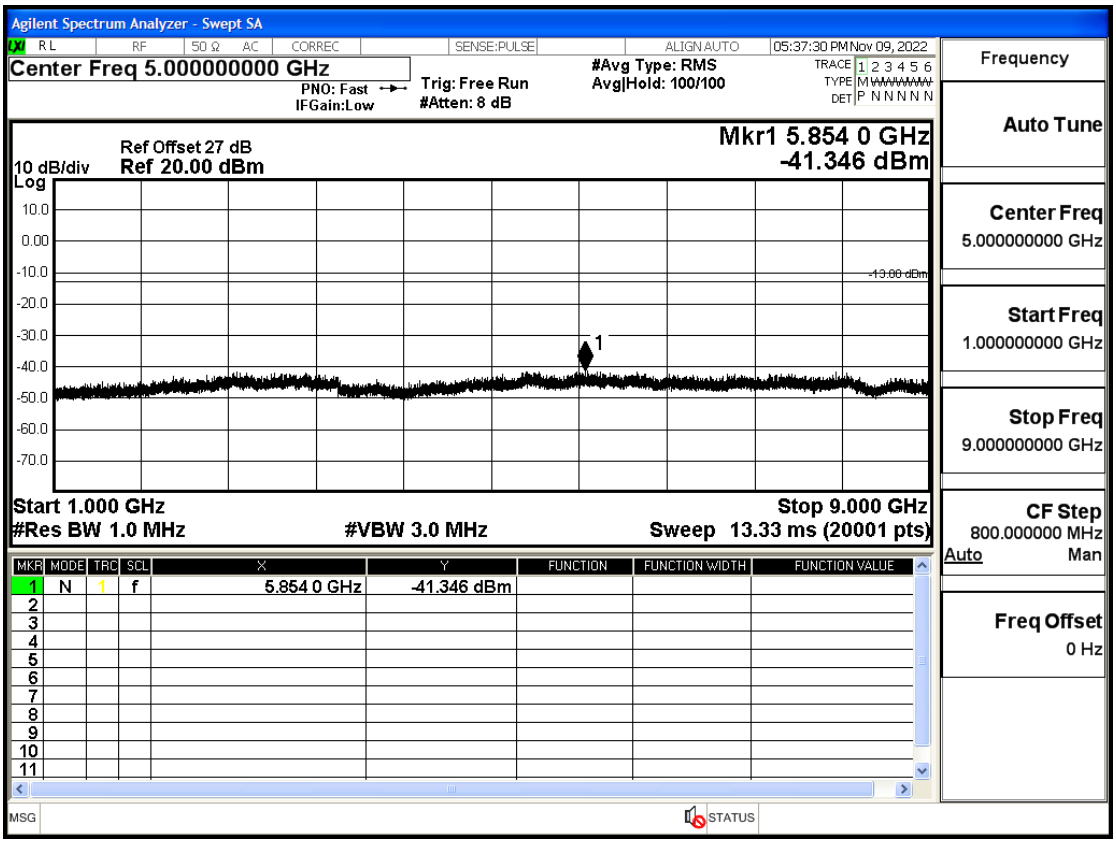
OB17-10-709-Q16-50#LOW@1GHz-9GHz@Pass



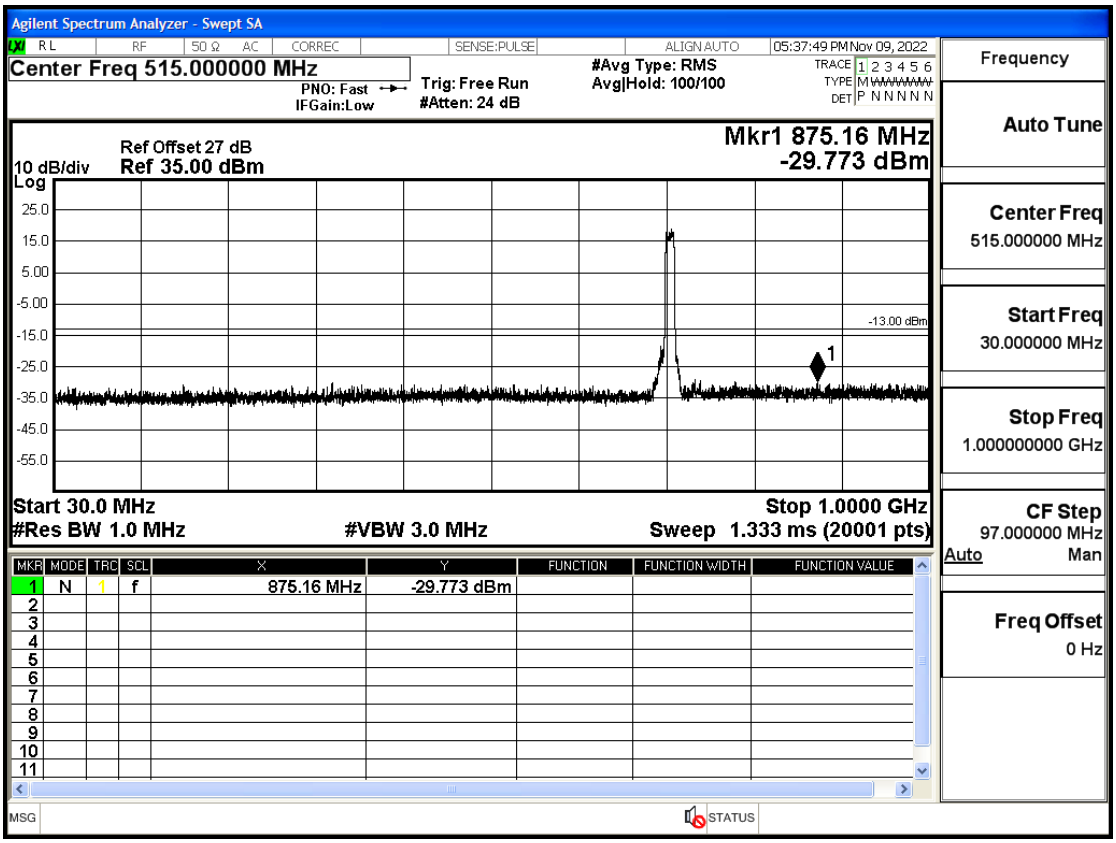
OB17-10-710-Q16-50#LOW@30mHz-1GHz@Pass



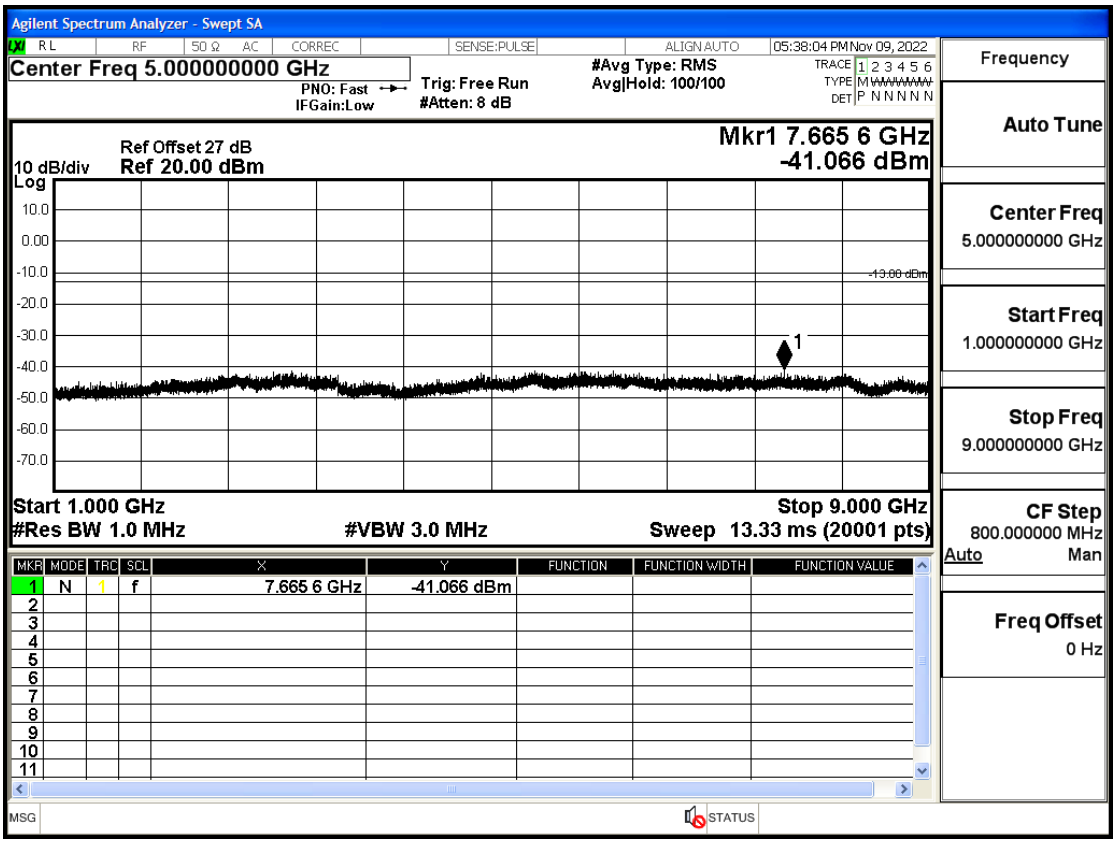
OB17-10-710-Q16-50#LOW@1GHz-9GHz@Pass



OB17-10-711-Q16-50#LOW@30mHz-1GHz@Pass



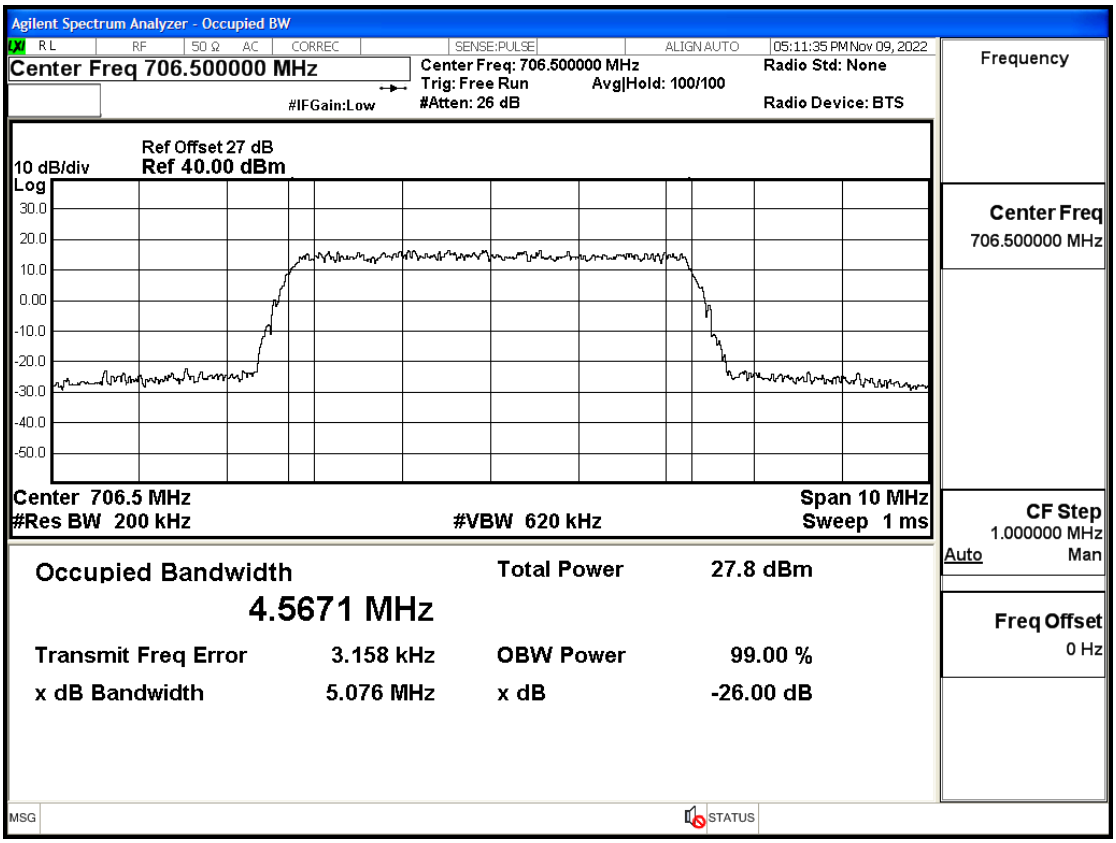
OB17-10-711-Q16-50#LOW@1GHz-9GHz@Pass



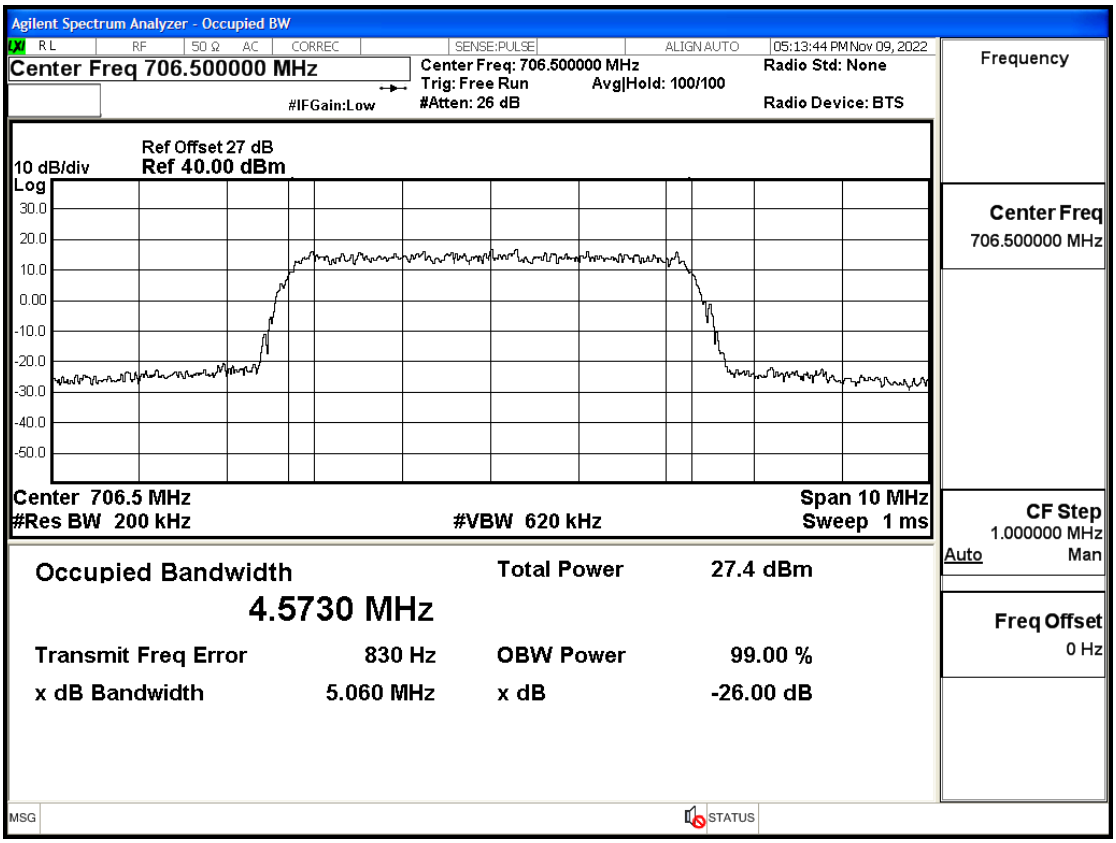
Emission bandwidth and OBW

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	4567.1	5076	No limit
Band17	5	706.5	16QAM	25	LOW	4573	5060	No limit
Band17	5	710	QPSK	25	LOW	4573.7	5071	No limit
Band17	5	710	16QAM	25	LOW	4591.9	5092	No limit
Band17	5	713.5	QPSK	25	LOW	4564.5	5057	No limit
Band17	5	713.5	16QAM	25	LOW	4575	5088	No limit
Band17	10	709	QPSK	50	LOW	9109.8	10090	No limit
Band17	10	709	16QAM	50	LOW	9060.3	9959	No limit
Band17	10	710	QPSK	50	LOW	9115.4	9945	No limit
Band17	10	710	16QAM	50	LOW	9086	10080	No limit
Band17	10	711	QPSK	50	LOW	9087.2	10060	No limit
Band17	10	711	16QAM	50	LOW	9099.8	10000	No limit

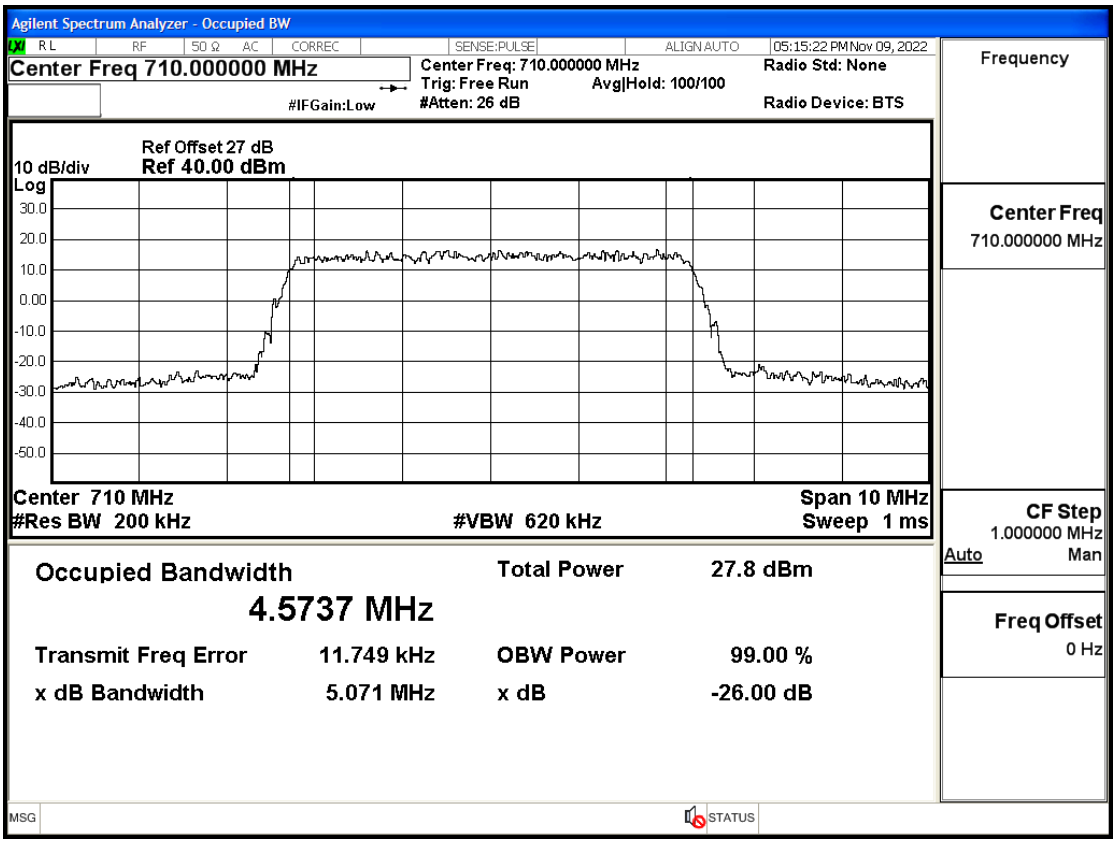
Band17-5-706.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



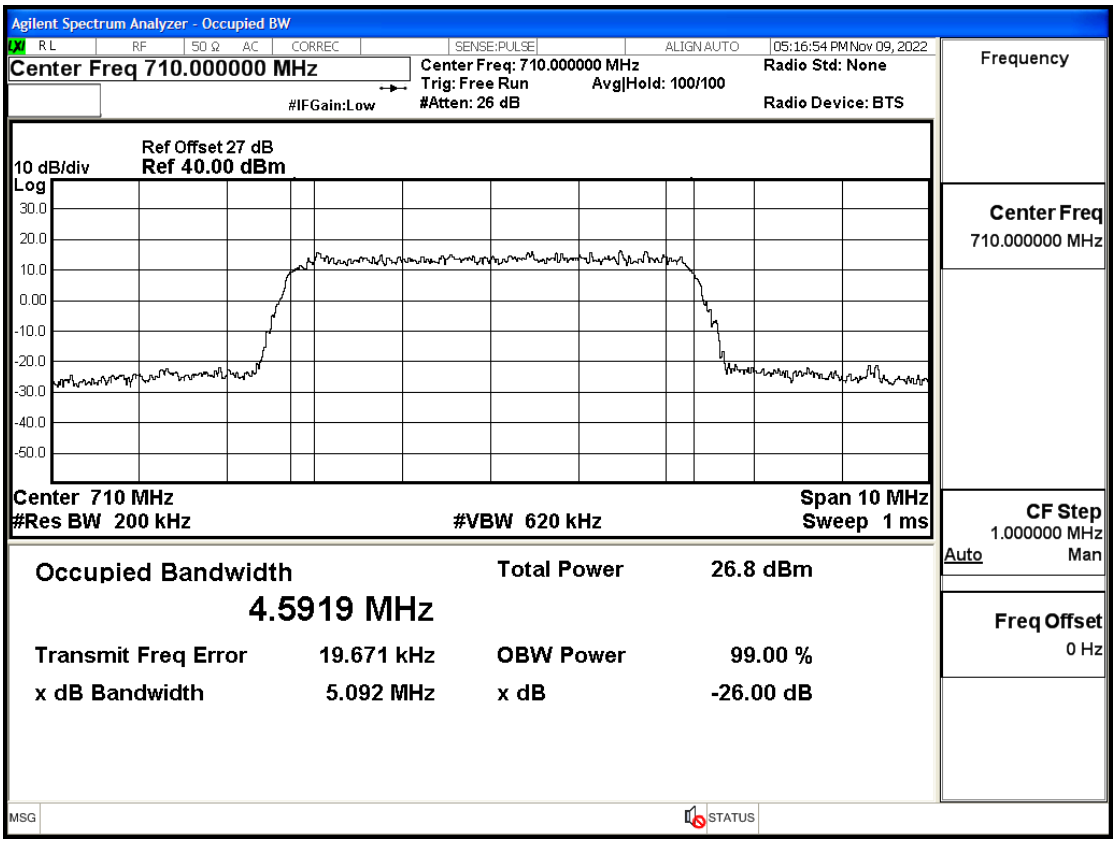
Band17-5-706.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



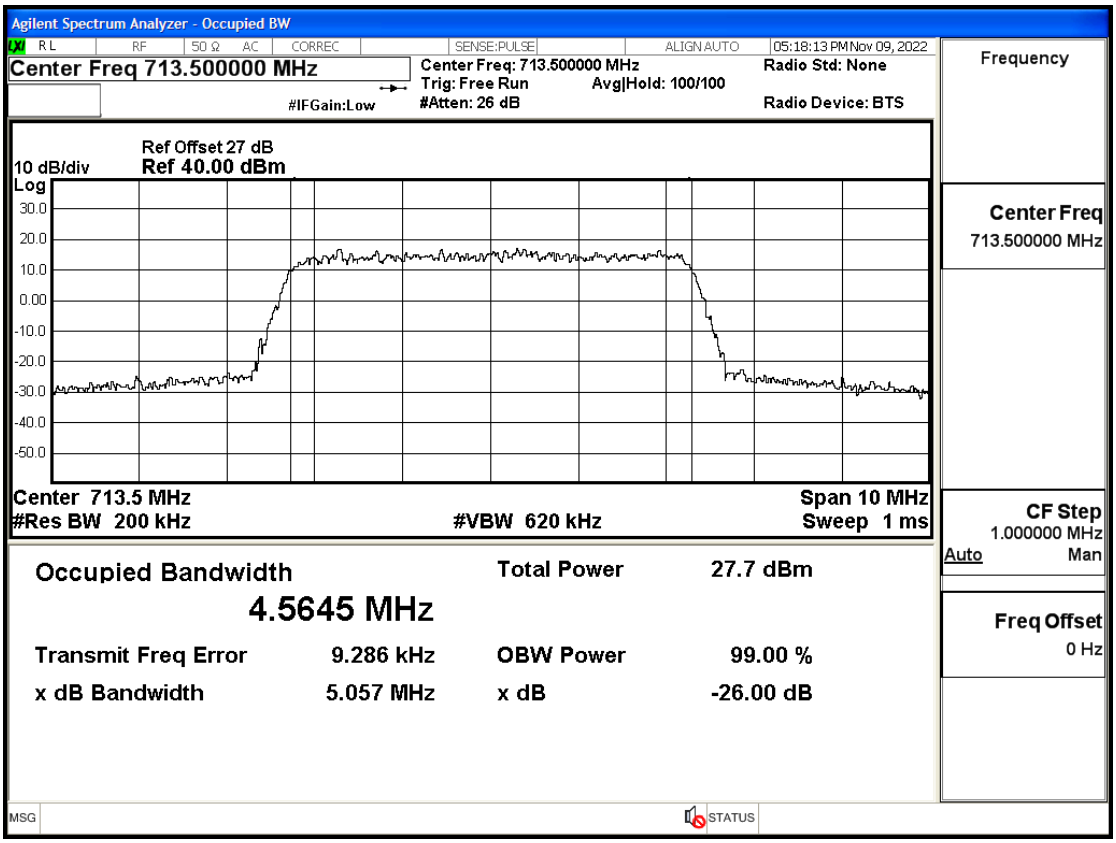
Band17-5-710-QPSK-25#LOW@26dB and 99PCT Bandwidth



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



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



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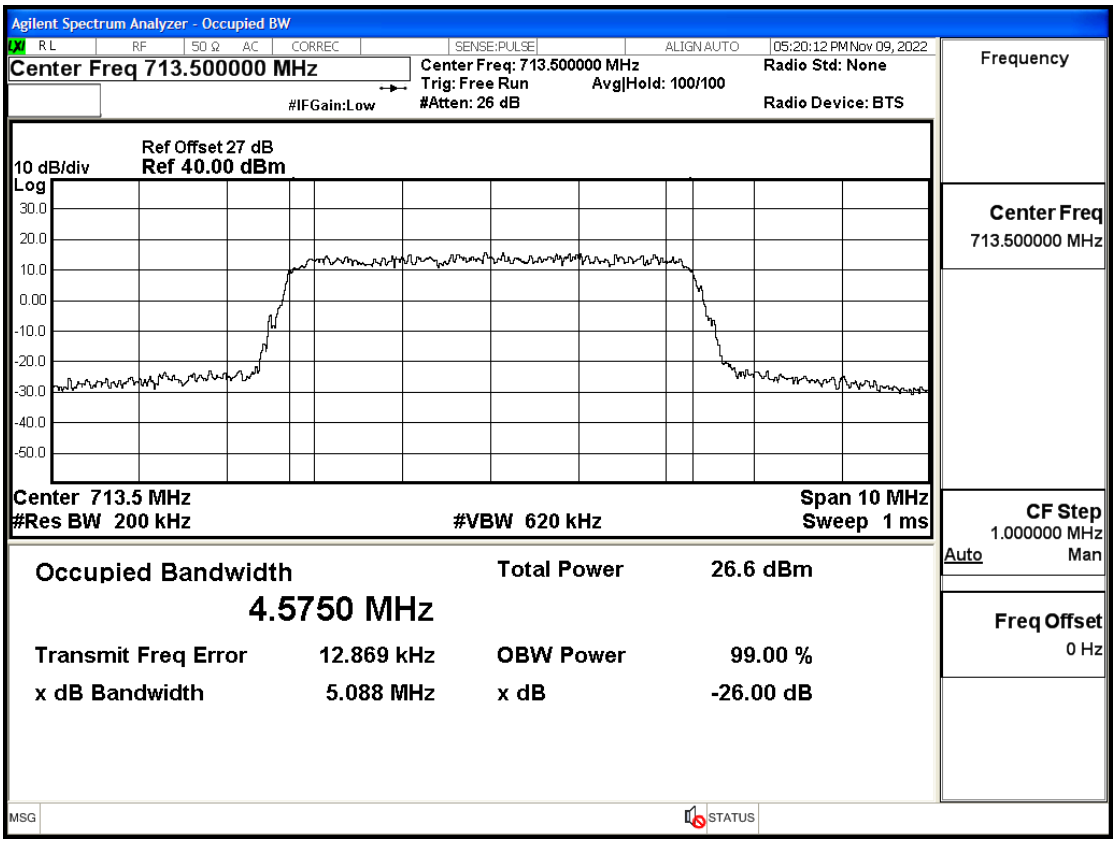
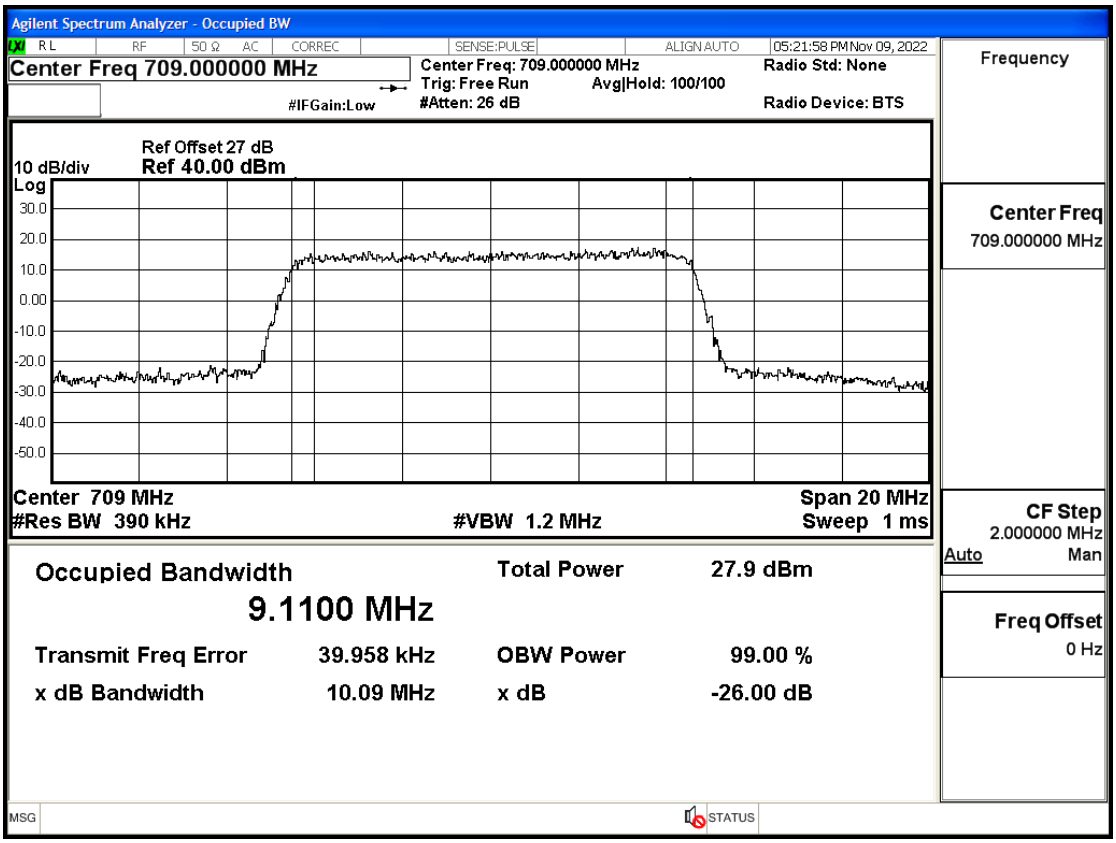
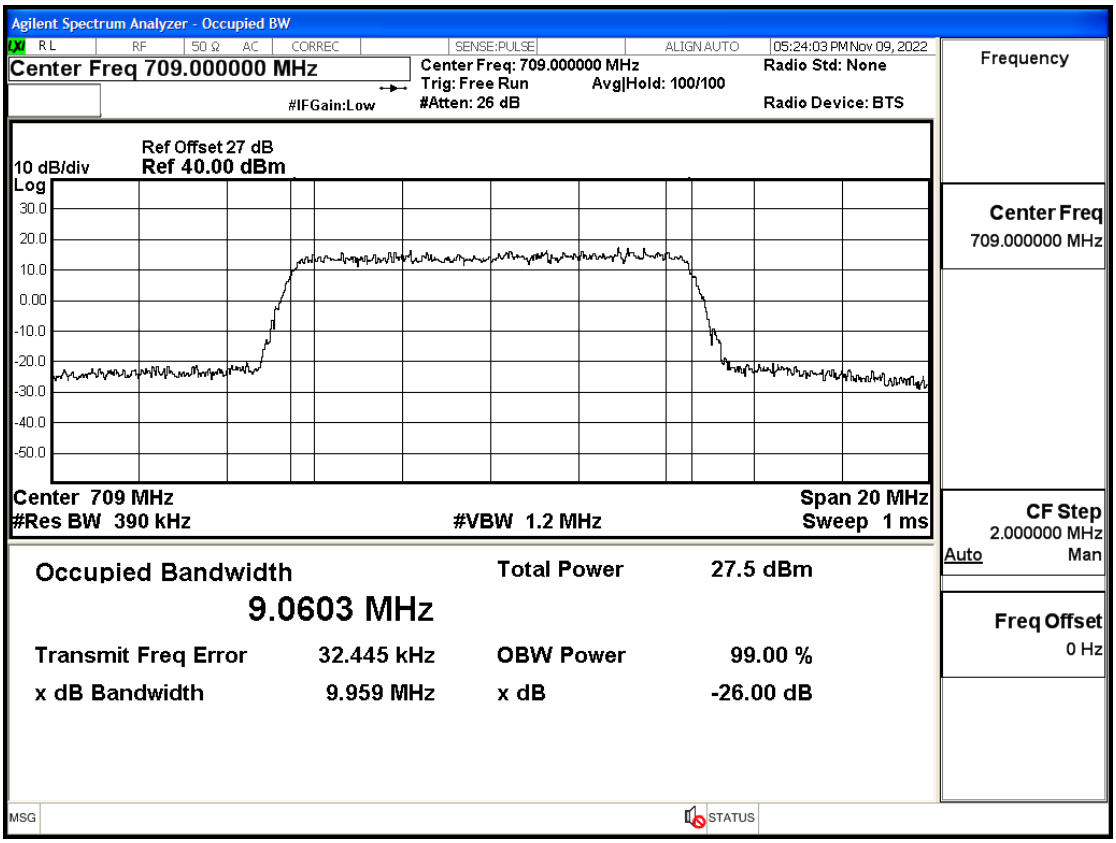


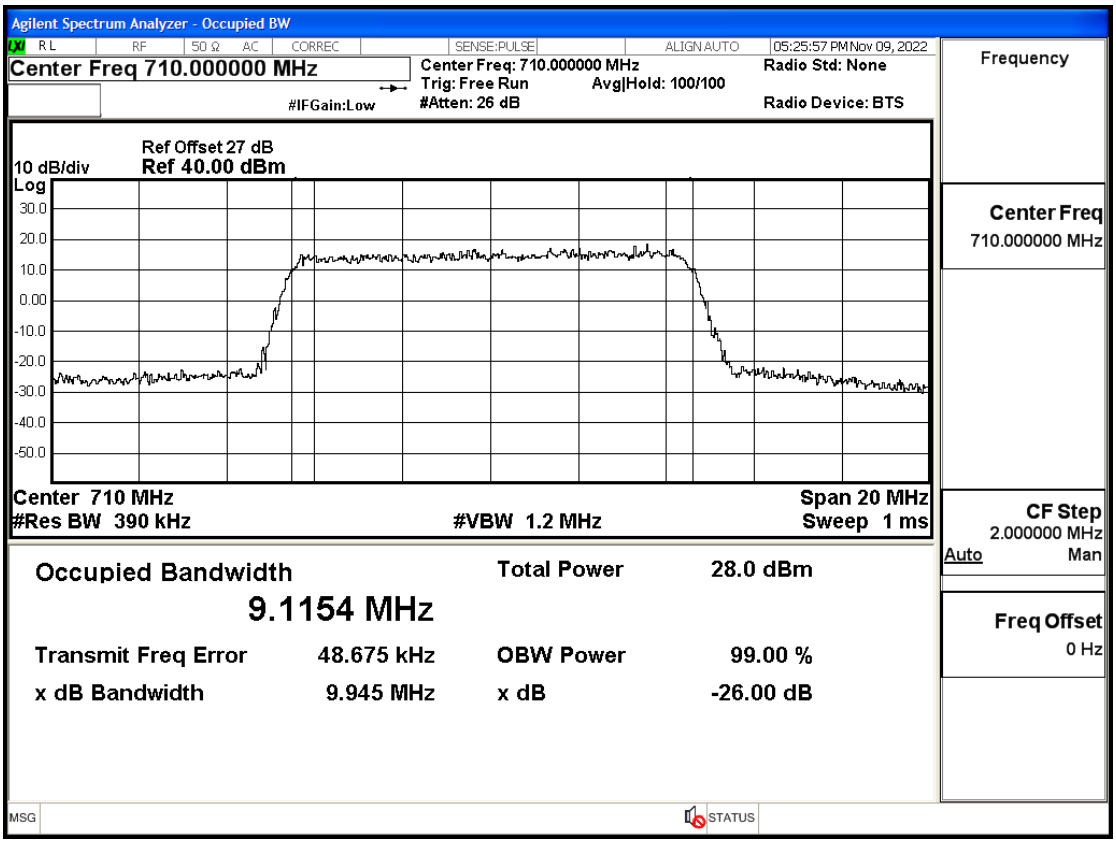
Band17-10-709-QPSK-50#LOW@26dB and 99PCT Bandwidth



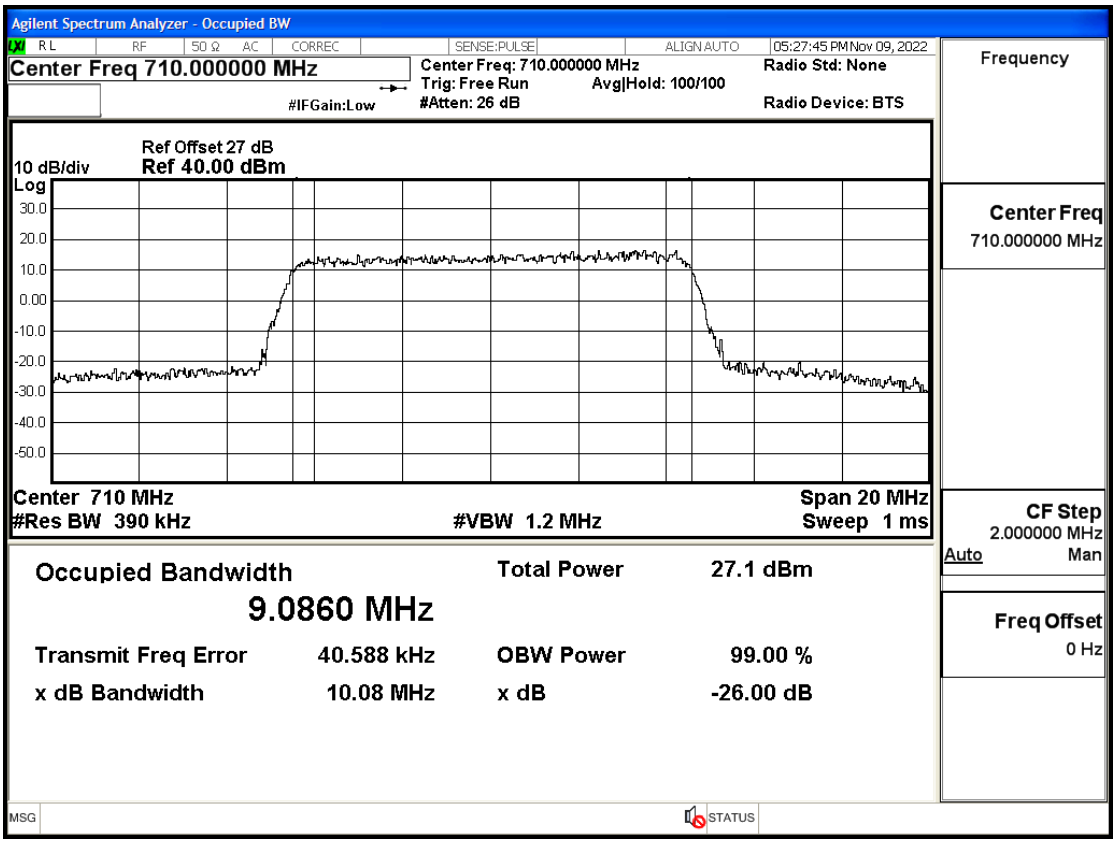
Band17-10-709-16QAM-50#LOW@26dB and 99PCT Bandwidth



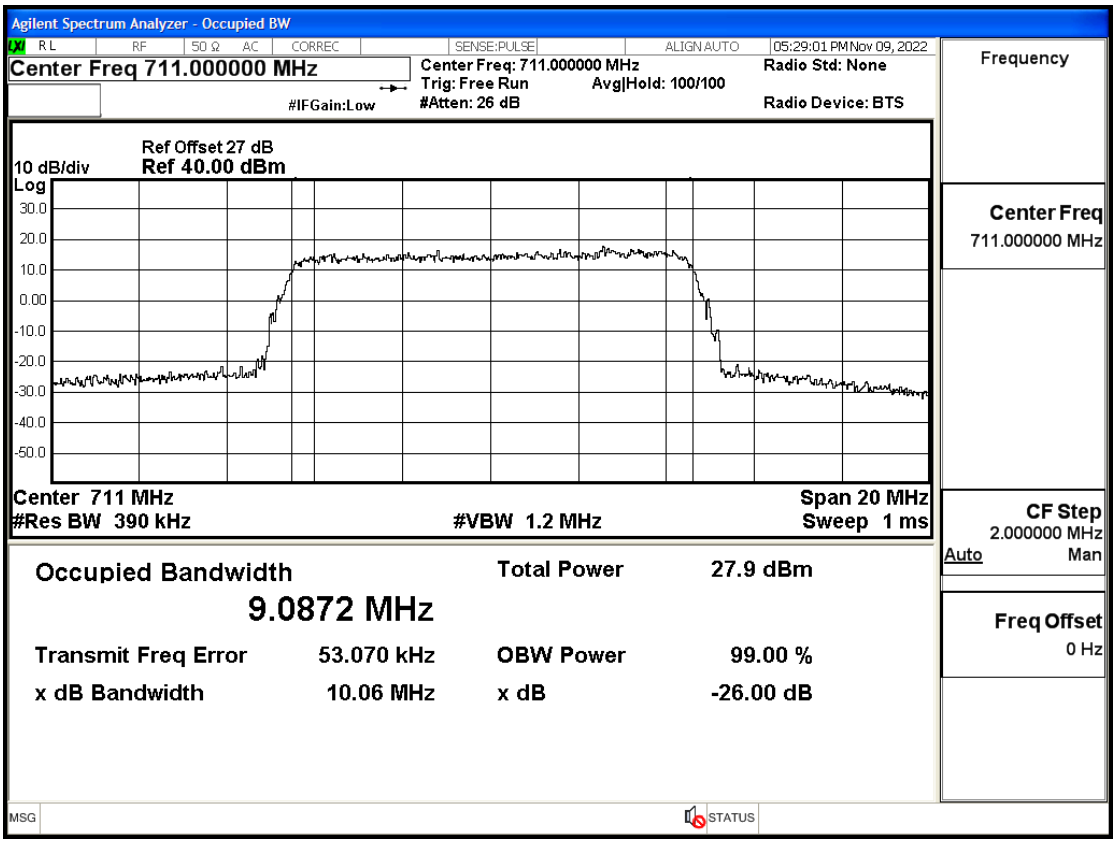
Band17-10-710-QPSK-50#LOW@26dB and 99PCT Bandwidth



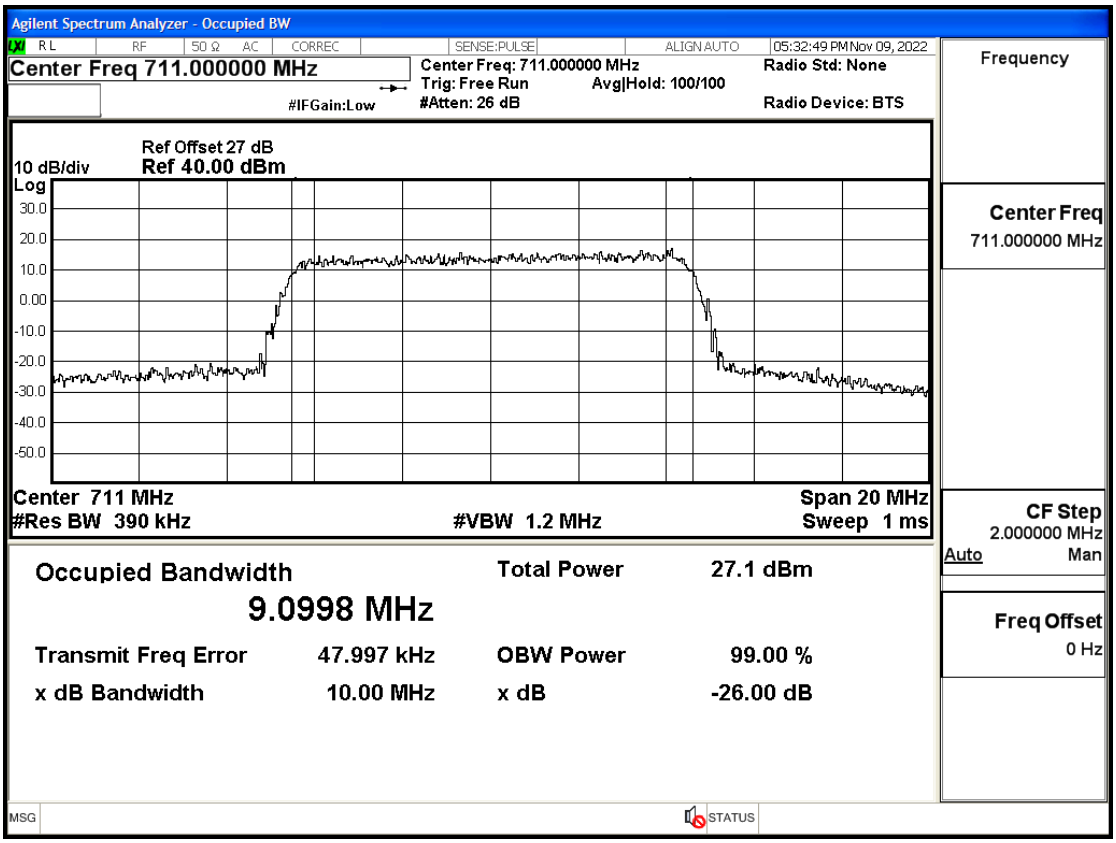
Band17-10-710-16QAM-50#LOW@26dB and 99PCT Bandwidth



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



Band17-10-711-16QAM-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	0.0568	PASS
40	Normal Voltage	0.0371	
30	Normal Voltage	0.0185	
20(Ref.)	Normal Voltage	0.0272	
10	Normal Voltage	0.0585	
0	Normal Voltage	0.0192	
-10	Normal Voltage	0.0455	
-20	Normal Voltage	0.0383	
-30	Normal Voltage	0.0164	
20	Maximum Voltage	0.0198	
20	Normal Voltage	0.0240	
20	Battery End Point	0.0695	

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
Band17	5	706.5	QPSK	25	LOW	20.64	27.19	6.55	13	-1.41	17.08	34.8	Pass
Band17	5	706.5	QPSK	12	LOW	20.75	27.2	6.45	13	-1.41	17.19	34.8	Pass
Band17	5	706.5	QPSK	12	MID	20.75	26.93	6.18	13	-1.41	17.19	34.8	Pass
Band17	5	706.5	QPSK	12	HIGH	20.74	26.82	6.08	13	-1.41	17.18	34.8	Pass
Band17	5	706.5	QPSK	1	LOW	21.8	28.34	6.54	13	-1.41	18.24	34.8	Pass
Band17	5	706.5	QPSK	1	MID	21.79	28.24	6.45	13	-1.41	18.23	34.8	Pass
Band17	5	706.5	QPSK	1	HIGH	21.77	28.11	6.34	13	-1.41	18.21	34.8	Pass
Band17	5	706.5	16QAM	25	LOW	20.15	28.05	7.9	13	-1.41	16.59	34.8	Pass
Band17	5	706.5	16QAM	12	LOW	20	27.8	7.8	13	-1.41	16.44	34.8	Pass
Band17	5	706.5	16QAM	12	MID	20.01	27.85	7.84	13	-1.41	16.45	34.8	Pass
Band17	5	706.5	16QAM	12	HIGH	20.12	27.73	7.61	13	-1.41	16.56	34.8	Pass
Band17	5	706.5	16QAM	1	LOW	20.07	26.11	6.04	13	-1.41	16.51	34.8	Pass
Band17	5	706.5	16QAM	1	MID	19.95	26	6.05	13	-1.41	16.39	34.8	Pass
Band17	5	706.5	16QAM	1	HIGH	20	26.01	6.01	13	-1.41	16.44	34.8	Pass
Band17	5	710	QPSK	25	LOW	20.68	27.55	6.87	13	-1.41	17.12	34.8	Pass
Band17	5	710	QPSK	12	LOW	20.82	27.6	6.78	13	-1.41	17.26	34.8	Pass
Band17	5	710	QPSK	12	MID	20.81	27.72	6.91	13	-1.41	17.25	34.8	Pass
Band17	5	710	QPSK	12	HIGH	20.81	27.54	6.73	13	-1.41	17.25	34.8	Pass
Band17	5	710	QPSK	1	LOW	21.87	27.48	5.61	13	-1.41	18.31	34.8	Pass
Band17	5	710	QPSK	1	MID	21.88	27.41	5.53	13	-1.41	18.32	34.8	Pass
Band17	5	710	QPSK	1	HIGH	21.91	27.32	5.41	13	-1.41	18.35	34.8	Pass
Band17	5	710	16QAM	25	LOW	19.79	28.25	8.46	13	-1.41	16.23	34.8	Pass
Band17	5	710	16QAM	12	LOW	20.09	27.16	7.07	13	-1.41	16.53	34.8	Pass
Band17	5	710	16QAM	12	MID	20.09	27.2	7.11	13	-1.41	16.53	34.8	Pass
Band17	5	710	16QAM	12	HIGH	19.87	26.82	6.95	13	-1.41	16.31	34.8	Pass
Band17	5	710	16QAM	1	LOW	20.63	26.78	6.15	13	-1.41	17.07	34.8	Pass
Band17	5	710	16QAM	1	MID	20.65	26.75	6.1	13	-1.41	17.09	34.8	Pass
Band17	5	710	16QAM	1	HIGH	20.79	26.79	6	13	-1.41	17.23	34.8	Pass
Band17	5	713.5	QPSK	25	LOW	20.78	27.17	6.39	13	-1.41	17.22	34.8	Pass
Band17	5	713.5	QPSK	12	LOW	20.98	26.98	6	13	-1.41	17.42	34.8	Pass
Band17	5	713.5	QPSK	12	MID	20.83	26.79	5.96	13	-1.41	17.27	34.8	Pass
Band17	5	713.5	QPSK	12	HIGH	20.82	26.85	6.03	13	-1.41	17.26	34.8	Pass
Band17	5	713.5	QPSK	1	LOW	21.66	27.39	5.73	13	-1.41	18.1	34.8	Pass
Band17	5	713.5	QPSK	1	MID	21.79	27.37	5.58	13	-1.41	18.23	34.8	Pass
Band17	5	713.5	QPSK	1	HIGH	21.75	27.31	5.56	13	-1.41	18.19	34.8	Pass
Band17	5	713.5	16QAM	25	LOW	19.83	27.81	7.98	13	-1.41	16.27	34.8	Pass
Band17	5	713.5	16QAM	12	LOW	19.6	26.4	6.8	13	-1.41	16.04	34.8	Pass
Band17	5	713.5	16QAM	12	MID	19.6	26.46	6.86	13	-1.41	16.04	34.8	Pass
Band17	5	713.5	16QAM	12	HIGH	19.54	26.67	7.13	13	-1.41	15.98	34.8	Pass
Band17	5	713.5	16QAM	1	LOW	20.34	27.06	6.72	13	-1.41	16.78	34.8	Pass

Band17	5	713.5	16QAM	1	MID	20.23	26.87	6.64	13	-1.41	16.67	34.8	Pass
Band17	5	713.5	16QAM	1	HIGH	20.3	26.93	6.63	13	-1.41	16.74	34.8	Pass
Band17	10	709	QPSK	50	LOW	20.58	27.34	6.76	13	-1.41	17.02	34.8	Pass
Band17	10	709	QPSK	25	LOW	20.77	27.48	6.71	13	-1.41	17.21	34.8	Pass
Band17	10	709	QPSK	25	MID	20.76	27.48	6.72	13	-1.41	17.2	34.8	Pass
Band17	10	709	QPSK	25	HIGH	20.85	27.56	6.71	13	-1.41	17.29	34.8	Pass
Band17	10	709	QPSK	1	LOW	21.66	27.03	5.37	13	-1.41	18.1	34.8	Pass
Band17	10	709	QPSK	1	MID	21.57	26.86	5.29	13	-1.41	18.01	34.8	Pass
Band17	10	709	QPSK	1	HIGH	21.61	26.79	5.18	13	-1.41	18.05	34.8	Pass
Band17	10	709	16QAM	50	LOW	20.16	28.22	8.06	13	-1.41	16.6	34.8	Pass
Band17	10	709	16QAM	25	LOW	20.02	27.72	7.7	13	-1.41	16.46	34.8	Pass
Band17	10	709	16QAM	25	MID	20.02	27.72	7.7	13	-1.41	16.46	34.8	Pass
Band17	10	709	16QAM	25	HIGH	19.65	27.21	7.56	13	-1.41	16.09	34.8	Pass
Band17	10	709	16QAM	1	LOW	20.81	27.68	6.87	13	-1.41	17.25	34.8	Pass
Band17	10	709	16QAM	1	MID	20.78	27.5	6.72	13	-1.41	17.22	34.8	Pass
Band17	10	709	16QAM	1	HIGH	21.16	27.5	6.34	13	-1.41	17.6	34.8	Pass
Band17	10	710	QPSK	50	LOW	20.66	27.18	6.52	13	-1.41	17.1	34.8	Pass
Band17	10	710	QPSK	25	LOW	20.77	27.37	6.6	13	-1.41	17.21	34.8	Pass
Band17	10	710	QPSK	25	MID	20.76	27.37	6.61	13	-1.41	17.2	34.8	Pass
Band17	10	710	QPSK	25	HIGH	20.75	27.26	6.51	13	-1.41	17.19	34.8	Pass
Band17	10	710	QPSK	1	LOW	21.89	27.67	5.78	13	-1.41	18.33	34.8	Pass
Band17	10	710	QPSK	1	MID	21.92	27.52	5.6	13	-1.41	18.36	34.8	Pass
Band17	10	710	QPSK	1	HIGH	22.05	27.41	5.36	13	-1.41	18.49	34.8	Pass
Band17	10	710	16QAM	50	LOW	19.89	27.1	7.21	13	-1.41	16.33	34.8	Pass
Band17	10	710	16QAM	25	LOW	20.17	27.98	7.81	13	-1.41	16.61	34.8	Pass
Band17	10	710	16QAM	25	MID	20.16	27.9	7.74	13	-1.41	16.6	34.8	Pass
Band17	10	710	16QAM	25	HIGH	19.74	27.54	7.8	13	-1.41	16.18	34.8	Pass
Band17	10	710	16QAM	1	LOW	21.51	27.45	5.94	13	-1.41	17.95	34.8	Pass
Band17	10	710	16QAM	1	MID	21.5	26.53	5.03	13	-1.41	17.94	34.8	Pass
Band17	10	710	16QAM	1	HIGH	21.56	26.64	5.08	13	-1.41	18	34.8	Pass
Band17	10	711	QPSK	50	LOW	20.63	27.14	6.51	13	-1.41	17.07	34.8	Pass
Band17	10	711	QPSK	25	LOW	20.71	27.93	7.22	13	-1.41	17.15	34.8	Pass
Band17	10	711	QPSK	25	MID	20.69	27.73	7.04	13	-1.41	17.13	34.8	Pass
Band17	10	711	QPSK	25	HIGH	20.82	27.66	6.84	13	-1.41	17.26	34.8	Pass
Band17	10	711	QPSK	1	LOW	21.82	27.4	5.58	13	-1.41	18.26	34.8	Pass
Band17	10	711	QPSK	1	MID	21.77	27.2	5.43	13	-1.41	18.21	34.8	Pass
Band17	10	711	QPSK	1	HIGH	21.73	27.04	5.31	13	-1.41	18.17	34.8	Pass
Band17	10	711	16QAM	50	LOW	19.92	28.01	8.09	13	-1.41	16.36	34.8	Pass
Band17	10	711	16QAM	25	LOW	20.2	27.83	7.63	13	-1.41	16.64	34.8	Pass
Band17	10	711	16QAM	25	MID	20.19	27.79	7.6	13	-1.41	16.63	34.8	Pass
Band17	10	711	16QAM	25	HIGH	19.85	27.33	7.48	13	-1.41	16.29	34.8	Pass
Band17	10	711	16QAM	1	LOW	20.55	26.01	5.46	13	-1.41	16.99	34.8	Pass
Band17	10	711	16QAM	1	MID	20.54	25.94	5.4	13	-1.41	16.98	34.8	Pass
Band17	10	711	16QAM	1	HIGH	20.6	25.93	5.33	13	-1.41	17.04	34.8	Pass