

RF Test Data for LTE (Conducted Measurement)

Product Name: Mobile Phone

Trade Mark: FLASH

Test Model: PRIME 1

Sample ID: TZ210702407-1#

FCC ID: 2A2LB-PRIME1

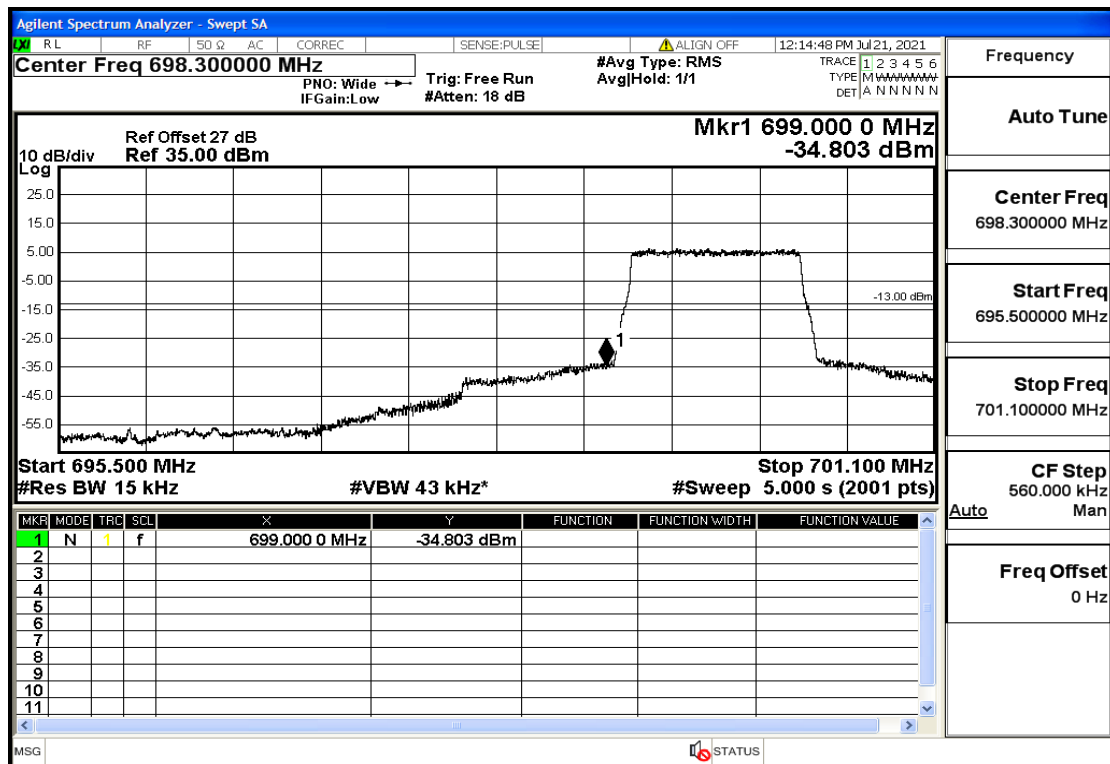
Environmental Conditions

Temperature:	23.8℃
Relative Humidity:	51%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
Remark:	For LTE Band12

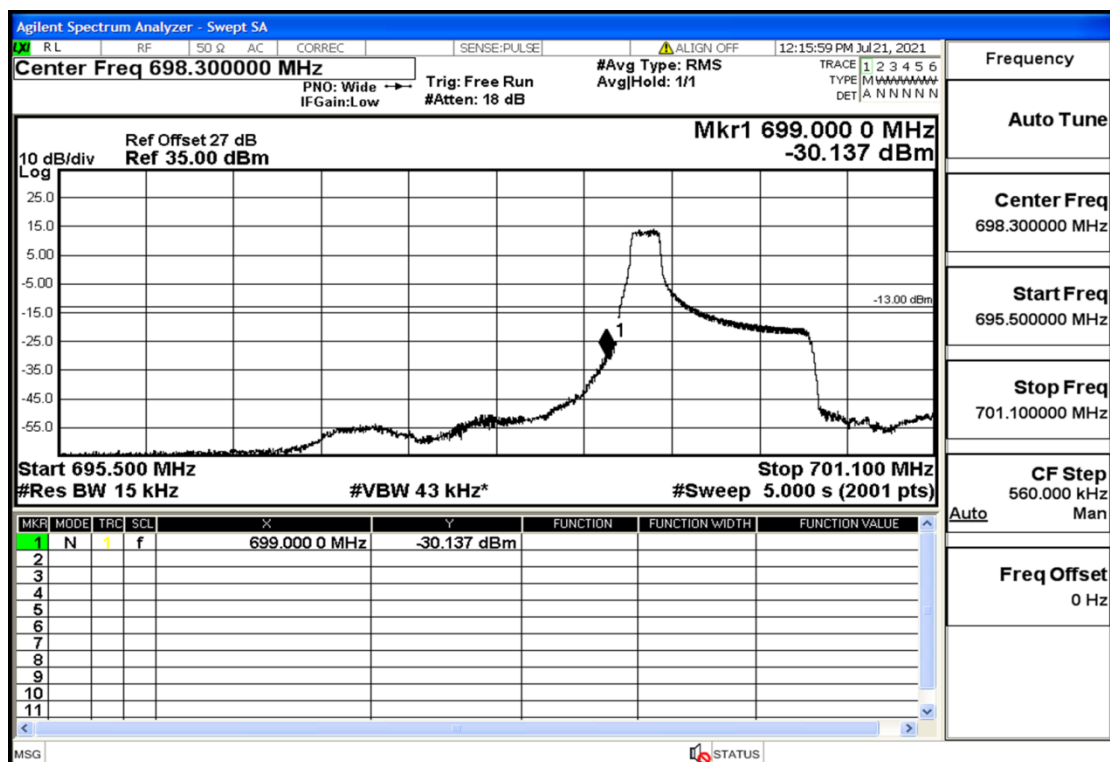
Band Edge and Emission Mask

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Conclusion
Band12	1.4	699.7	QPSK	6	LOW	Pass
Band12	1.4	699.7	QPSK	1	LOW	Pass
Band12	1.4	699.7	16QAM	6	LOW	Pass
Band12	1.4	699.7	16QAM	1	LOW	Pass
Band12	1.4	715.3	QPSK	6	LOW	Pass
Band12	1.4	715.3	QPSK	1	HIGH	Pass
Band12	1.4	715.3	16QAM	6	LOW	Pass
Band12	1.4	715.3	16QAM	1	HIGH	Pass
Band12	3	700.5	QPSK	15	LOW	Pass
Band12	3	700.5	QPSK	1	LOW	Pass
Band12	3	700.5	16QAM	15	LOW	Pass
Band12	3	700.5	16QAM	1	LOW	Pass
Band12	3	714.5	QPSK	15	LOW	Pass
Band12	3	714.5	QPSK	1	HIGH	Pass
Band12	3	714.5	16QAM	15	LOW	Pass
Band12	3	714.5	16QAM	1	HIGH	Pass
Band12	5	701.5	QPSK	25	LOW	Pass
Band12	5	701.5	QPSK	1	LOW	Pass
Band12	5	701.5	16QAM	25	LOW	Pass
Band12	5	701.5	16QAM	1	LOW	Pass
Band12	5	713.5	QPSK	25	LOW	Pass
Band12	5	713.5	QPSK	1	HIGH	Pass
Band12	5	713.5	16QAM	25	LOW	Pass
Band12	5	713.5	16QAM	1	HIGH	Pass
Band12	10	704	QPSK	50	LOW	Pass
Band12	10	704	QPSK	1	LOW	Pass
Band12	10	704	16QAM	50	LOW	Pass
Band12	10	704	16QAM	1	LOW	Pass
Band12	10	711	QPSK	50	LOW	Pass
Band12	10	711	QPSK	1	HIGH	Pass
Band12	10	711	16QAM	50	LOW	Pass
Band12	10	711	16QAM	1	HIGH	Pass

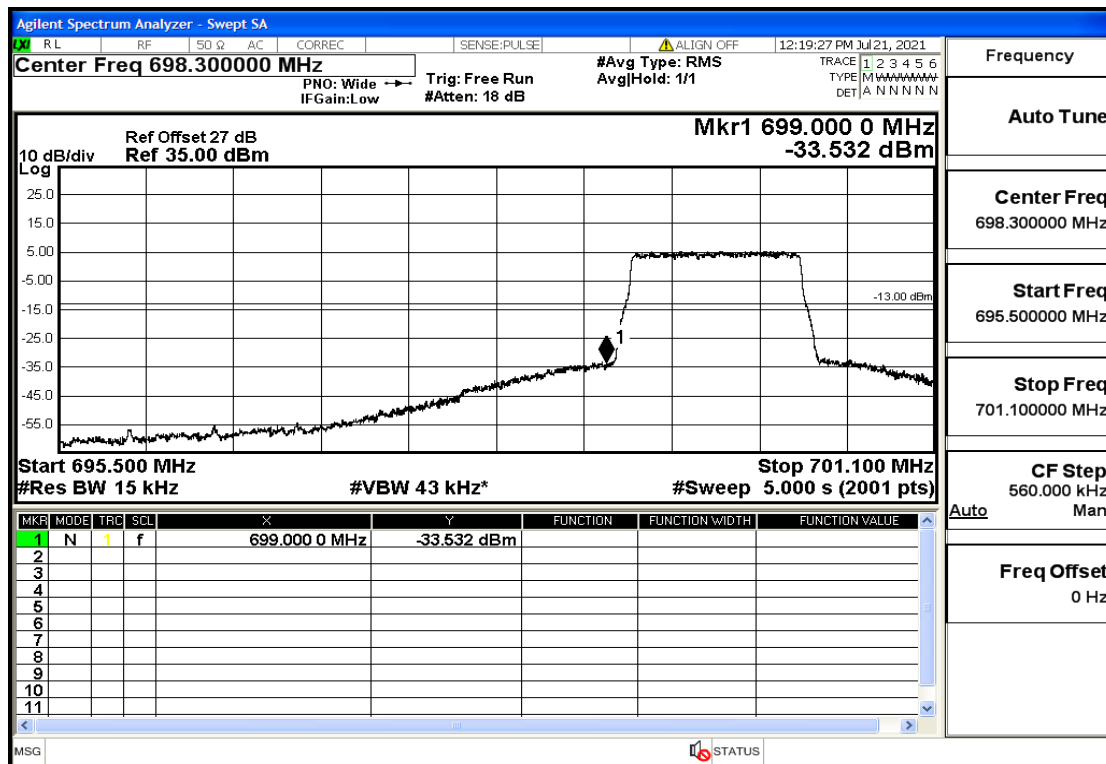
Band12-1.4-699.7-QPSK-6#LOW@Pass



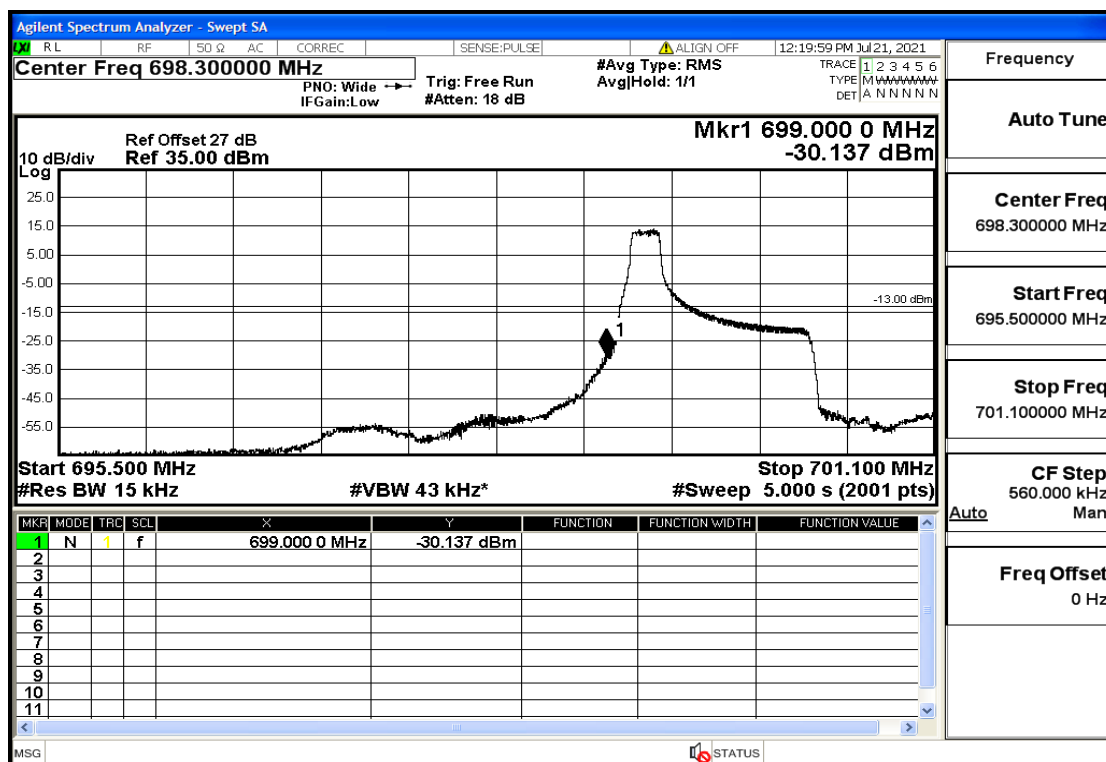
Band12-1.4-699.7-QPSK-1#LOW@Pass



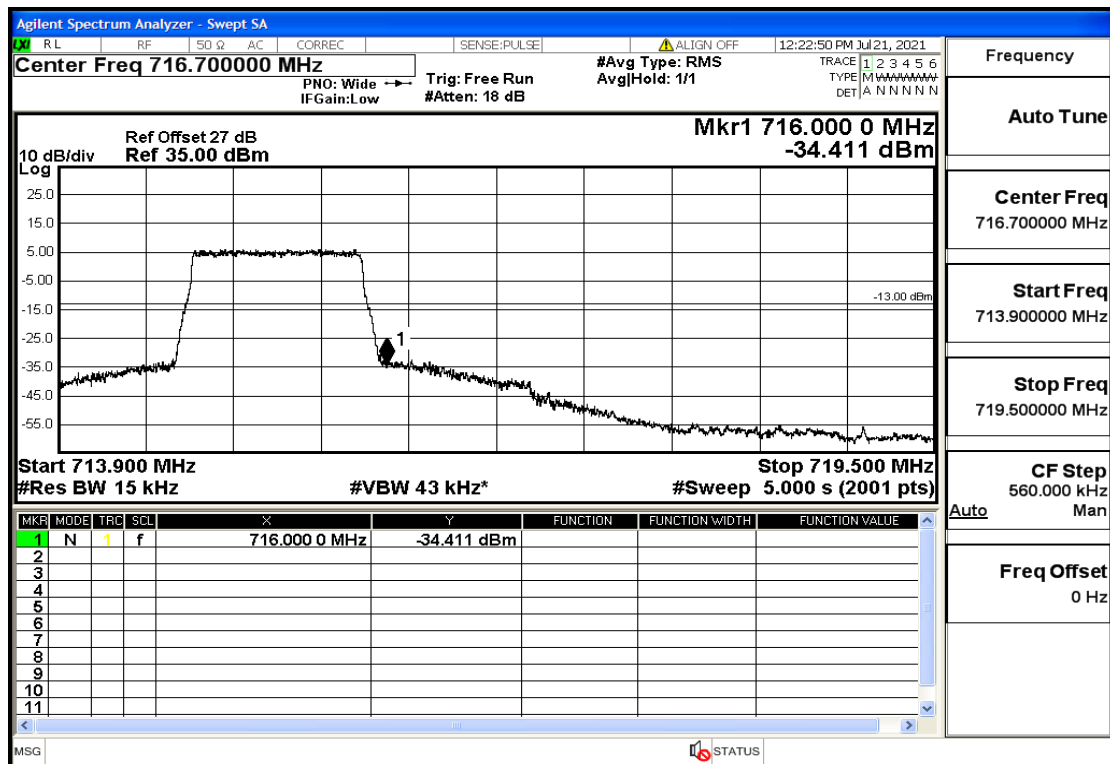
Band12-1.4-699.7-16QAM-6#LOW@Pass



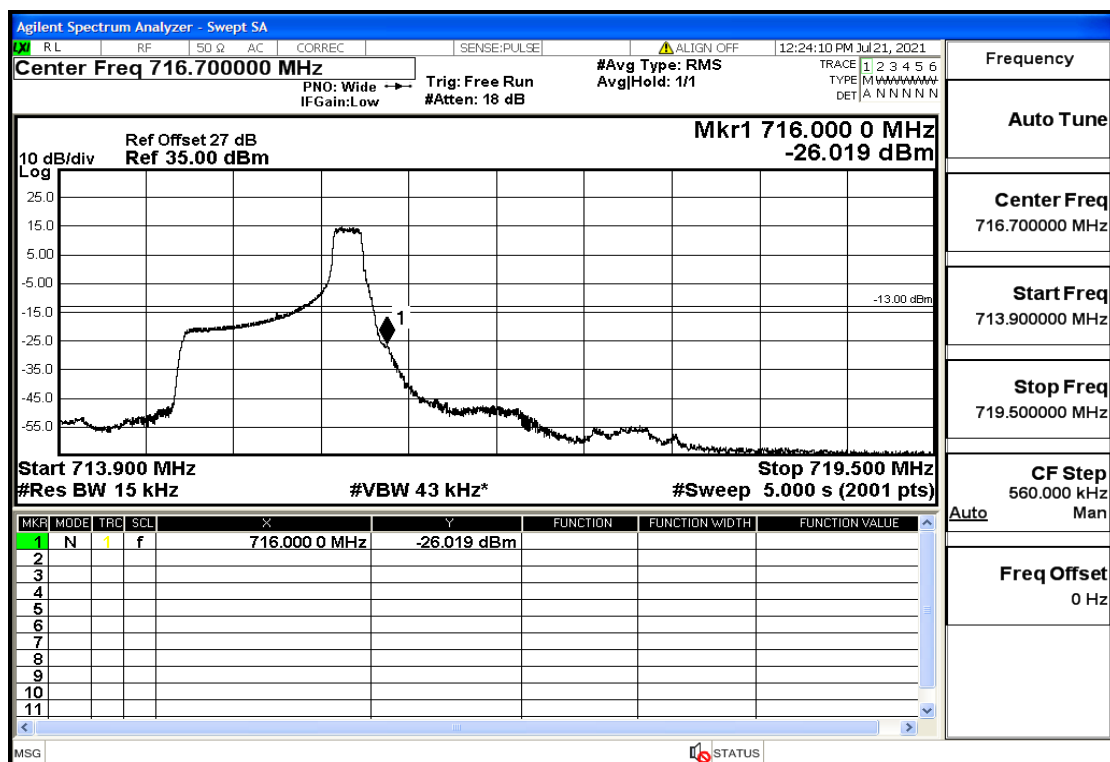
Band12-1.4-699.7-16QAM-1#LOW@Pass



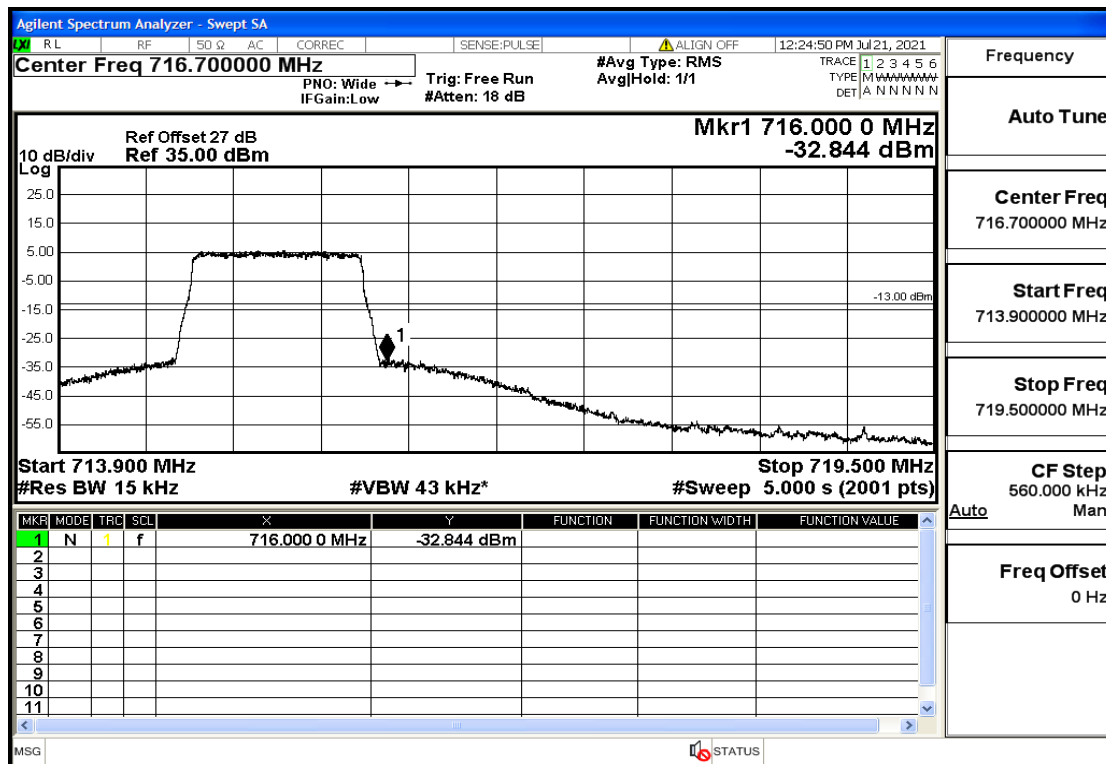
Band12-1.4-715.3-QPSK-6#LOW@Pass



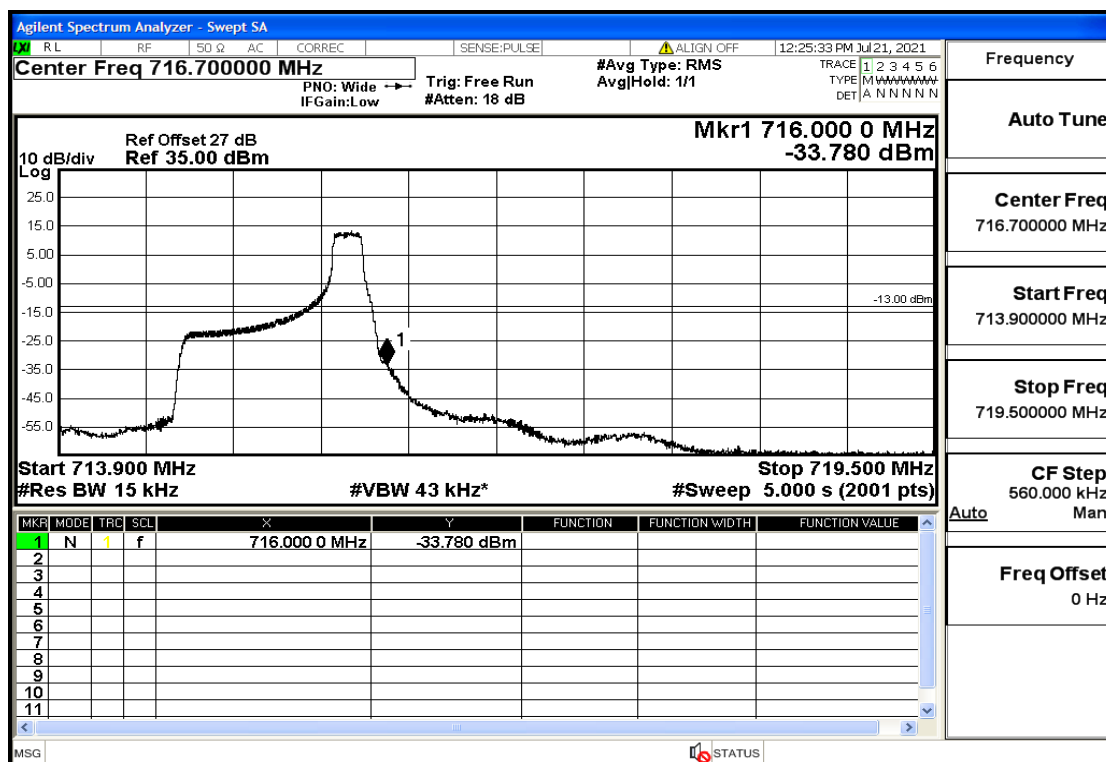
Band12-1.4-715.3-QPSK-1#HIGH@Pass



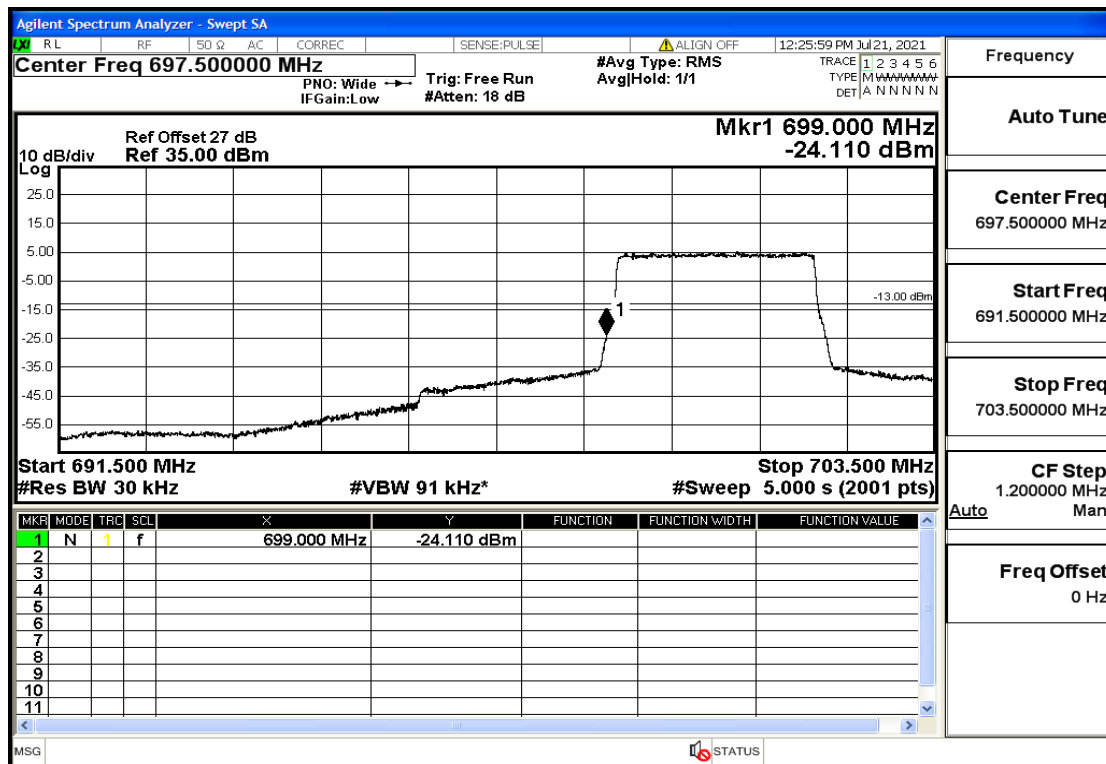
Band12-1.4-715.3-16QAM-6#LOW@Pass



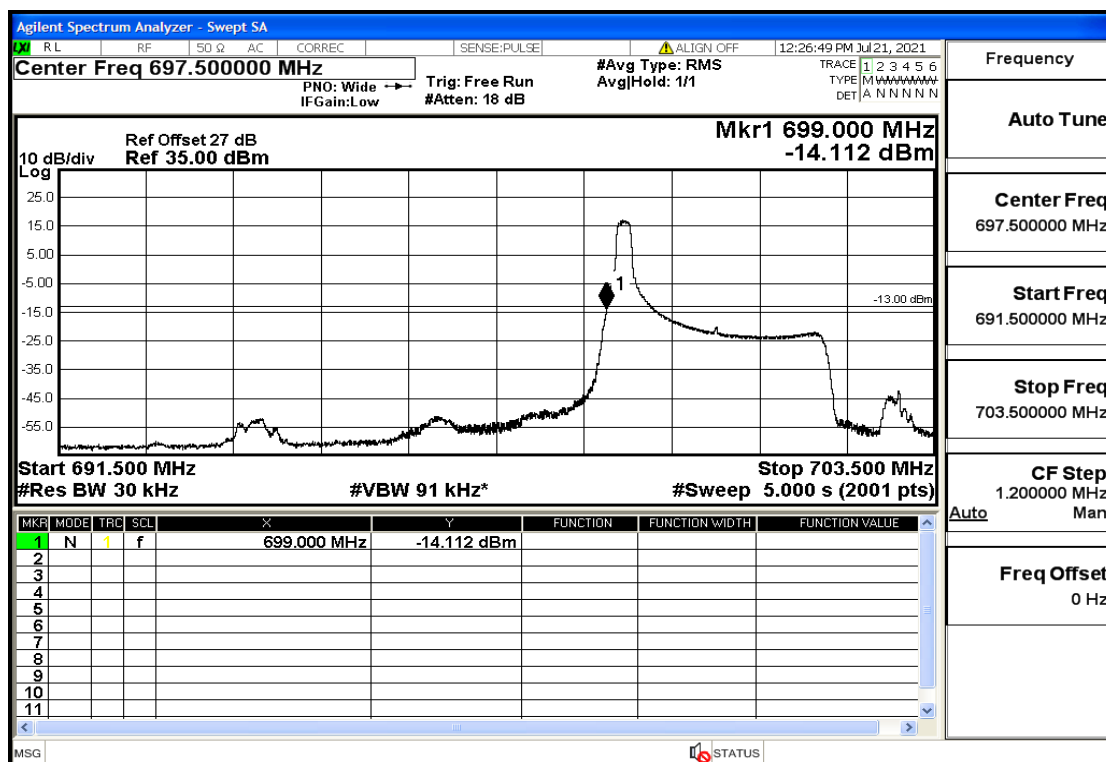
Band12-1.4-715.3-16QAM-1#HIGH@Pass



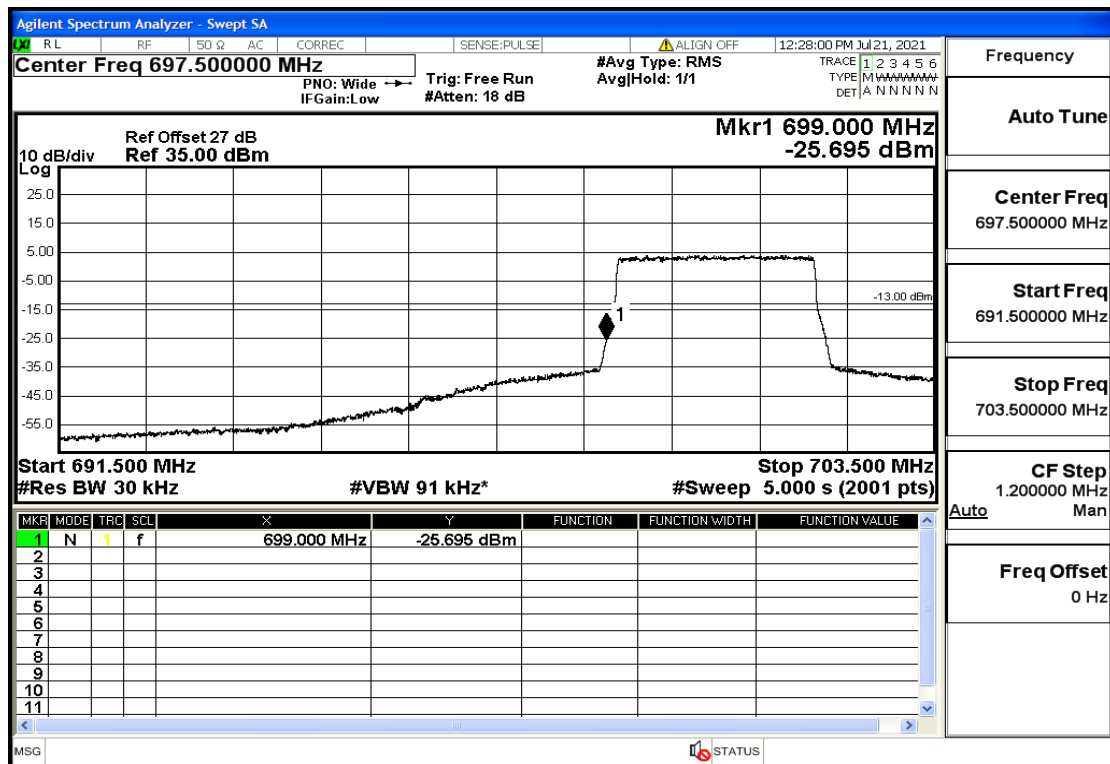
Band12-3-700.5-QPSK-15#LOW@Pass



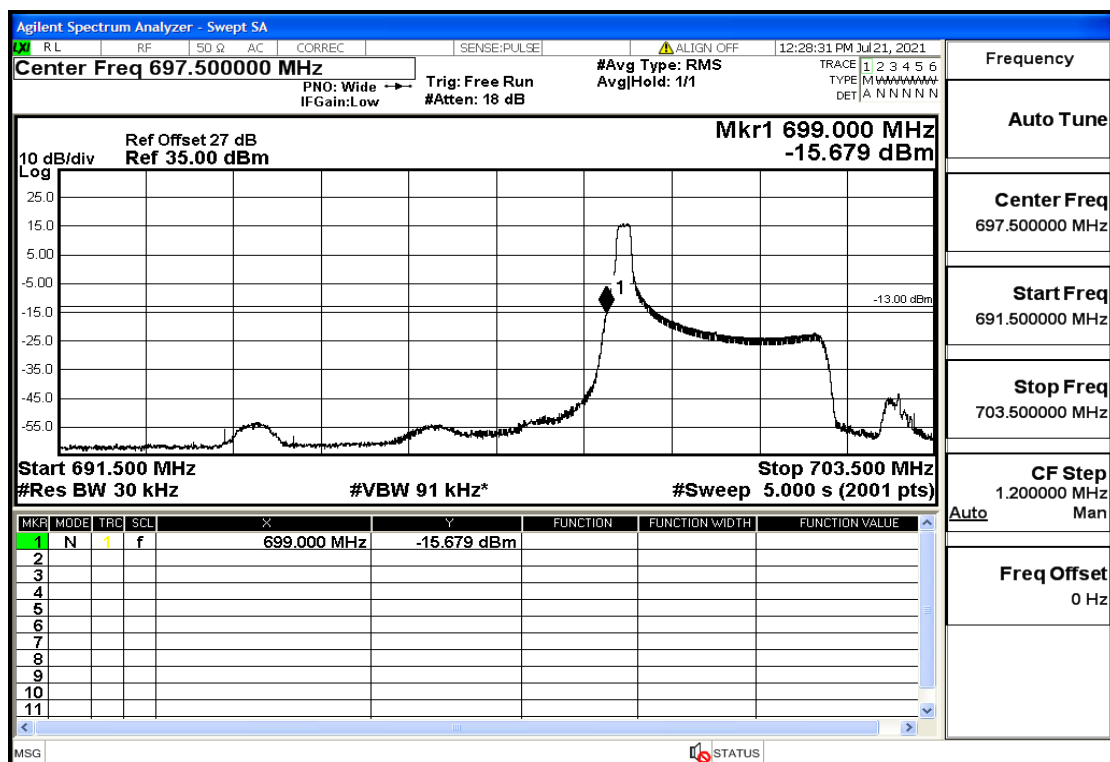
Band12-3-700.5-QPSK-1#LOW@Pass



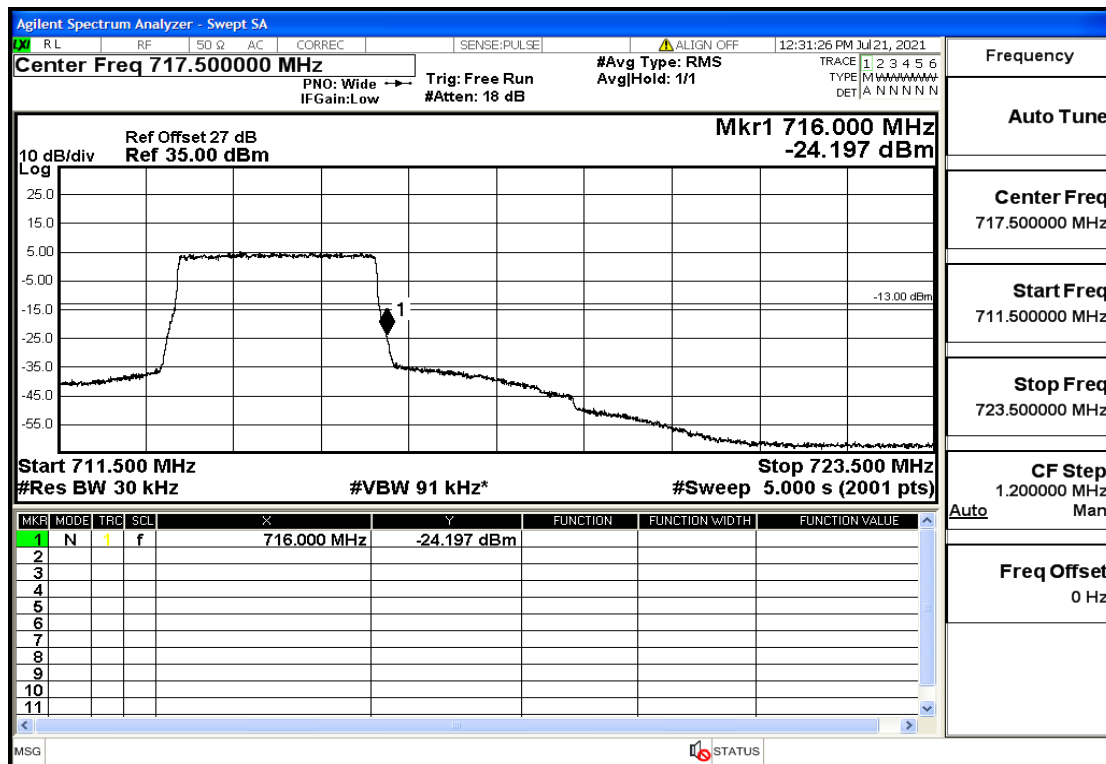
Band12-3-700.5-16QAM-15#LOW@Pass



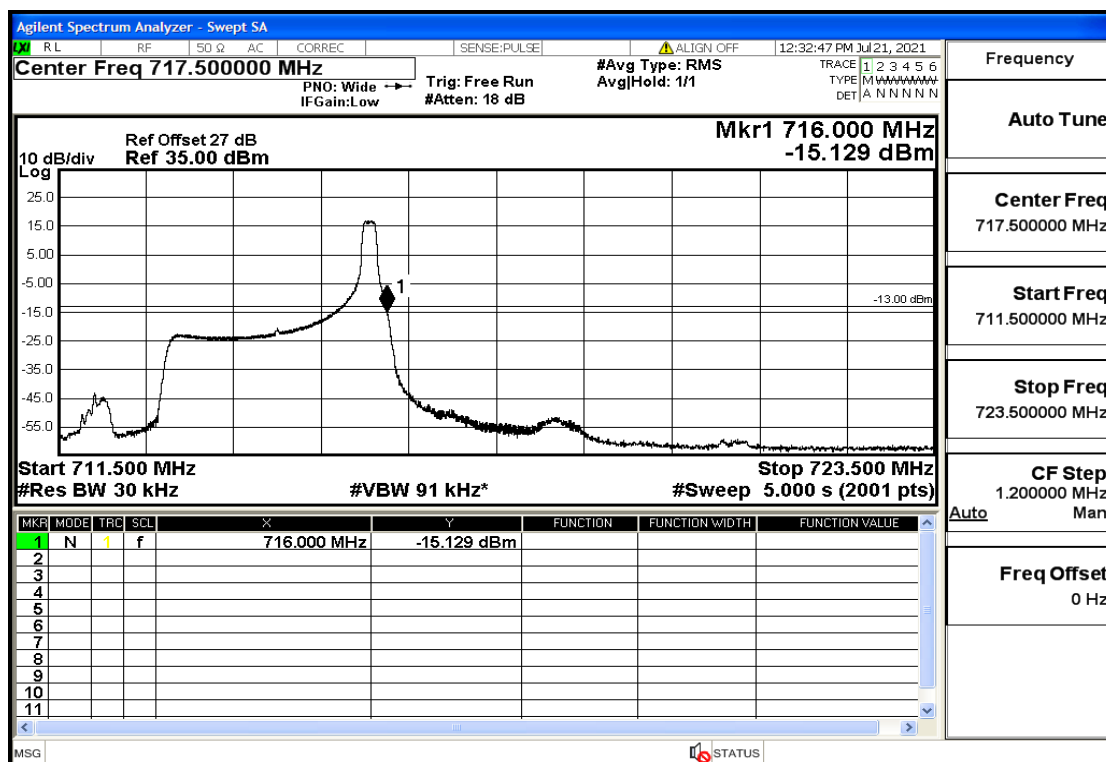
Band12-3-700.5-16QAM-1#LOW@Pass



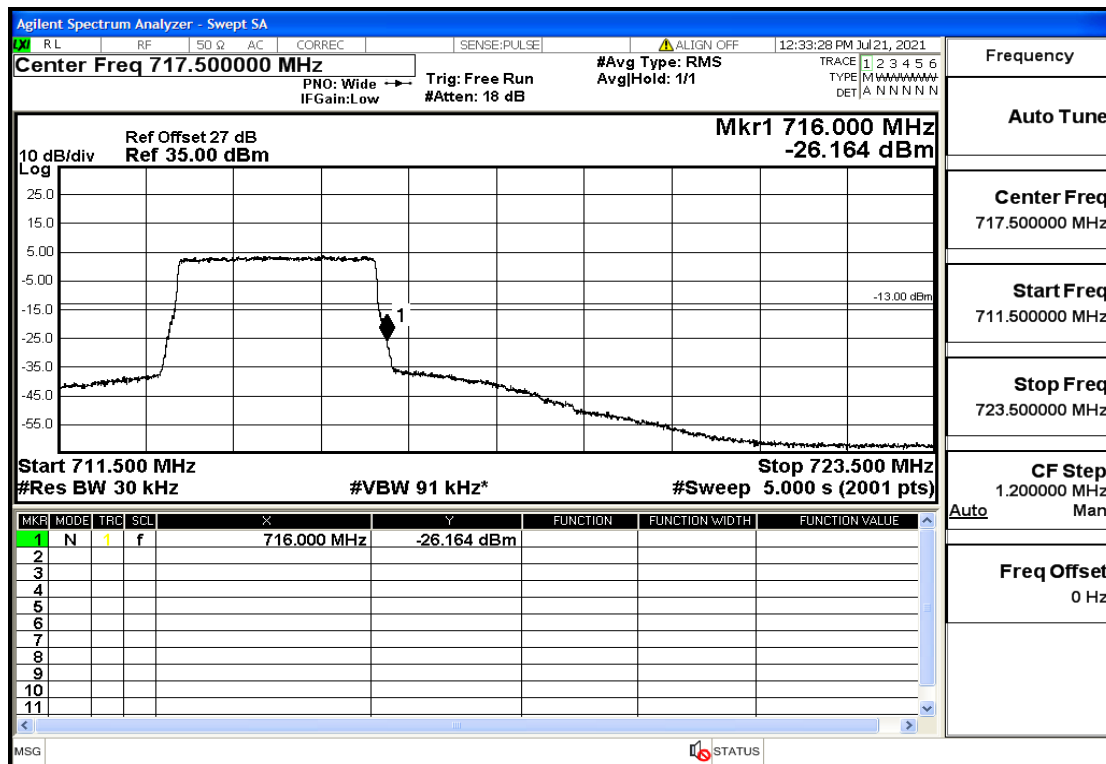
Band12-3-714.5-QPSK-15#LOW@Pass



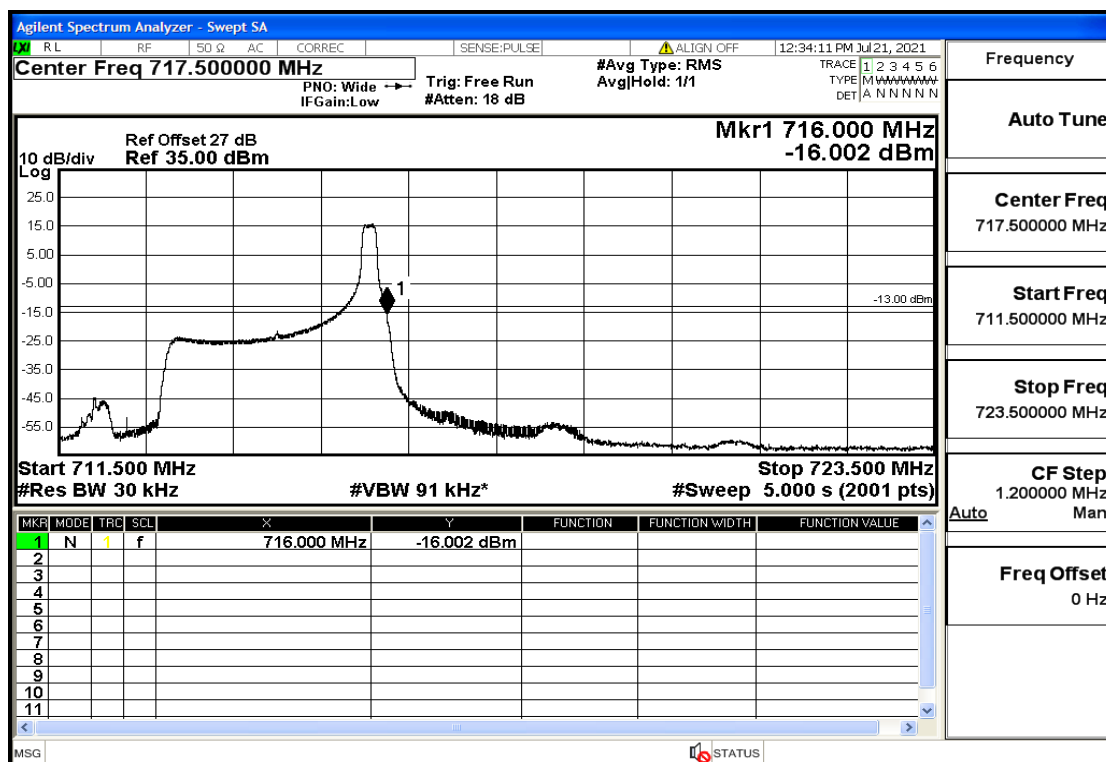
Band12-3-714.5-QPSK-1#HIGH@Pass



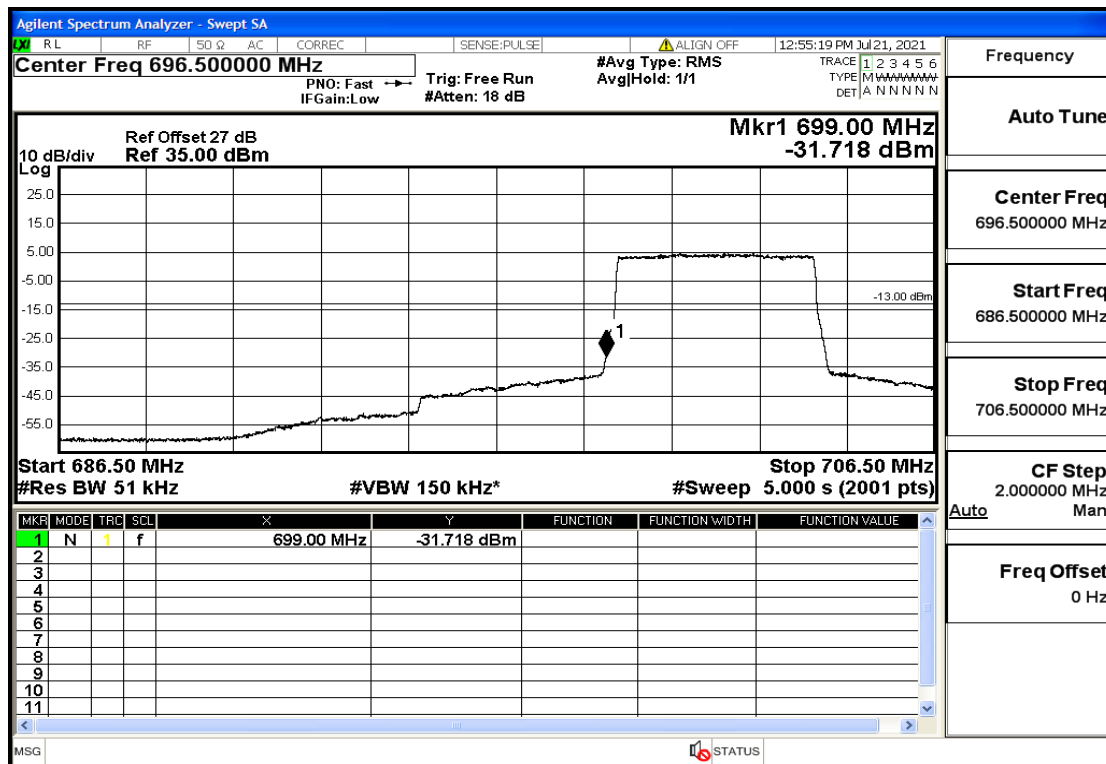
Band12-3-714.5-16QAM-15#LOW@Pass



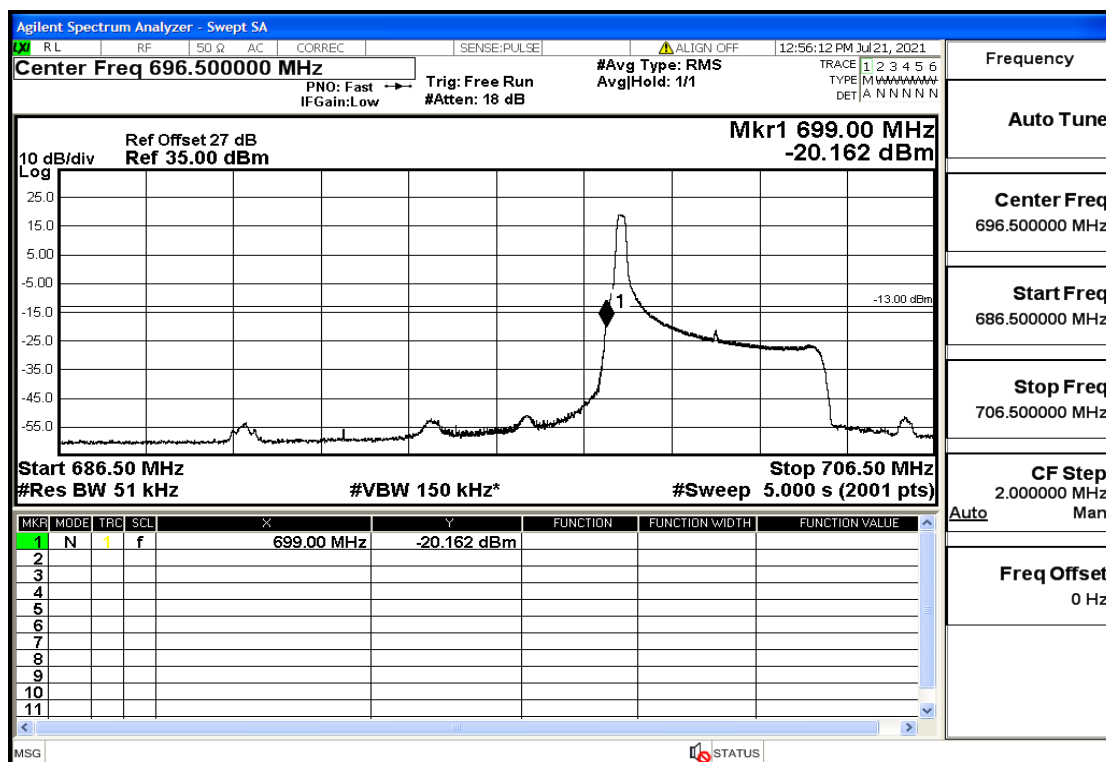
Band12-3-714.5-16QAM-1#HIGH@Pass



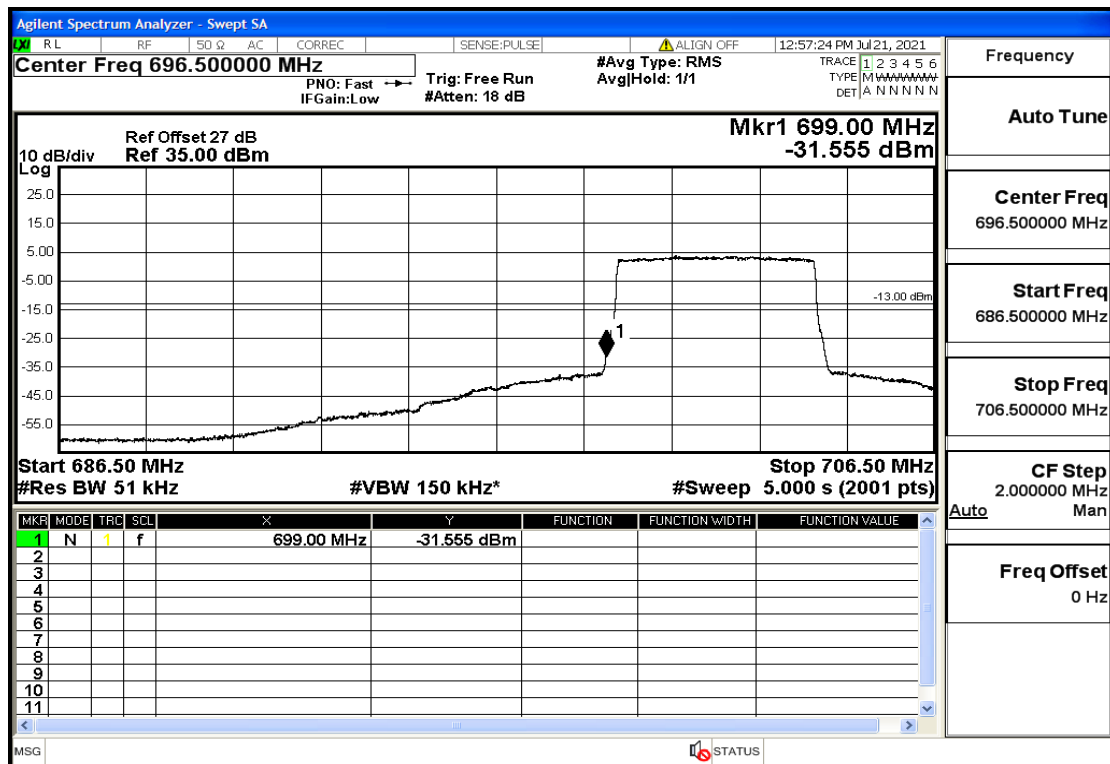
Band12-5-701.5-QPSK-25#LOW@Pass



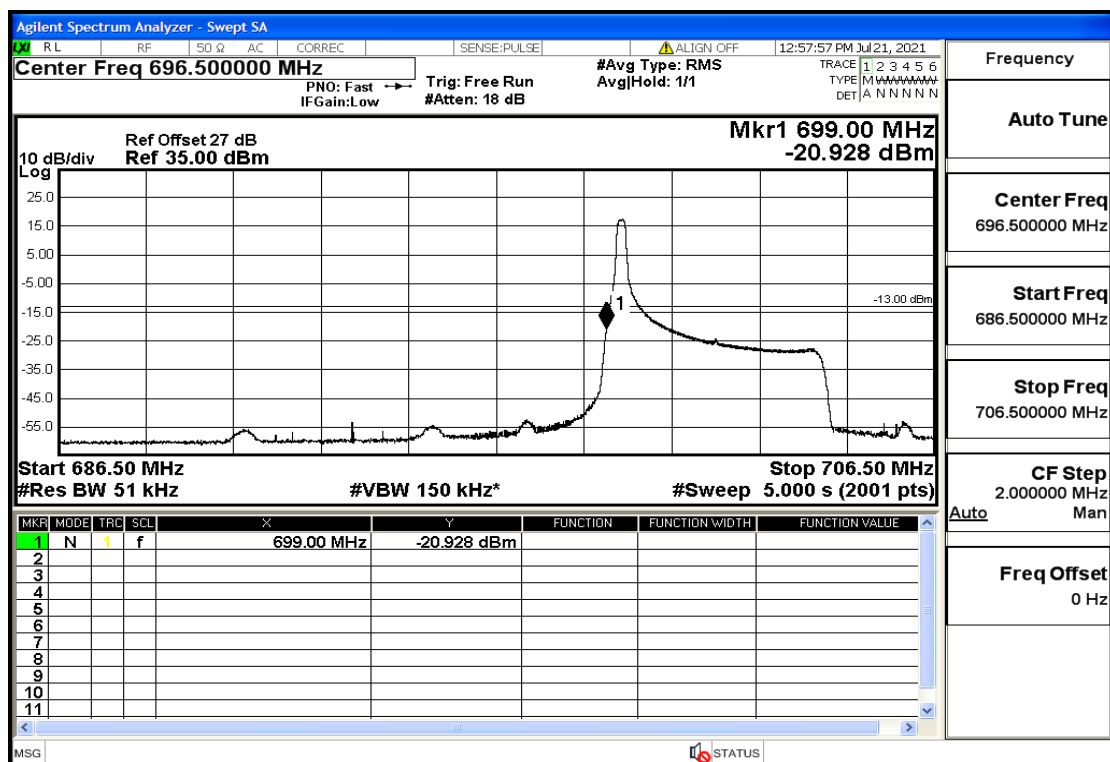
Band12-5-701.5-QPSK-1#LOW@Pass



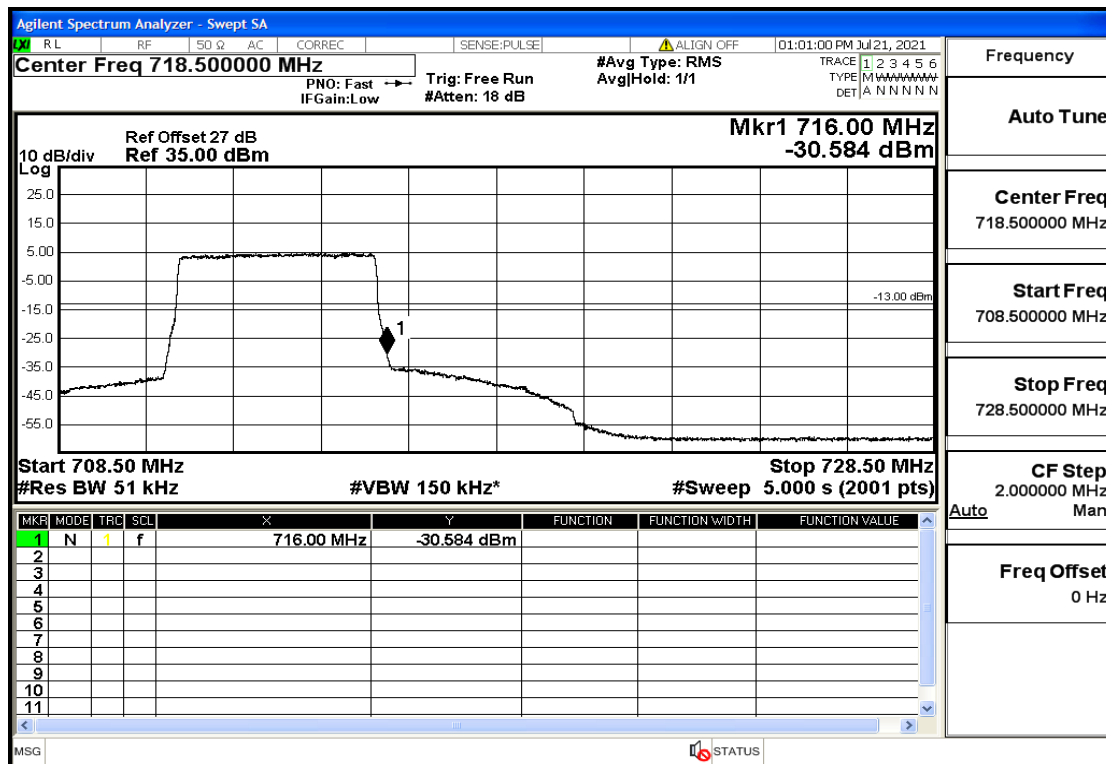
Band12-5-701.5-16QAM-25#LOW@Pass



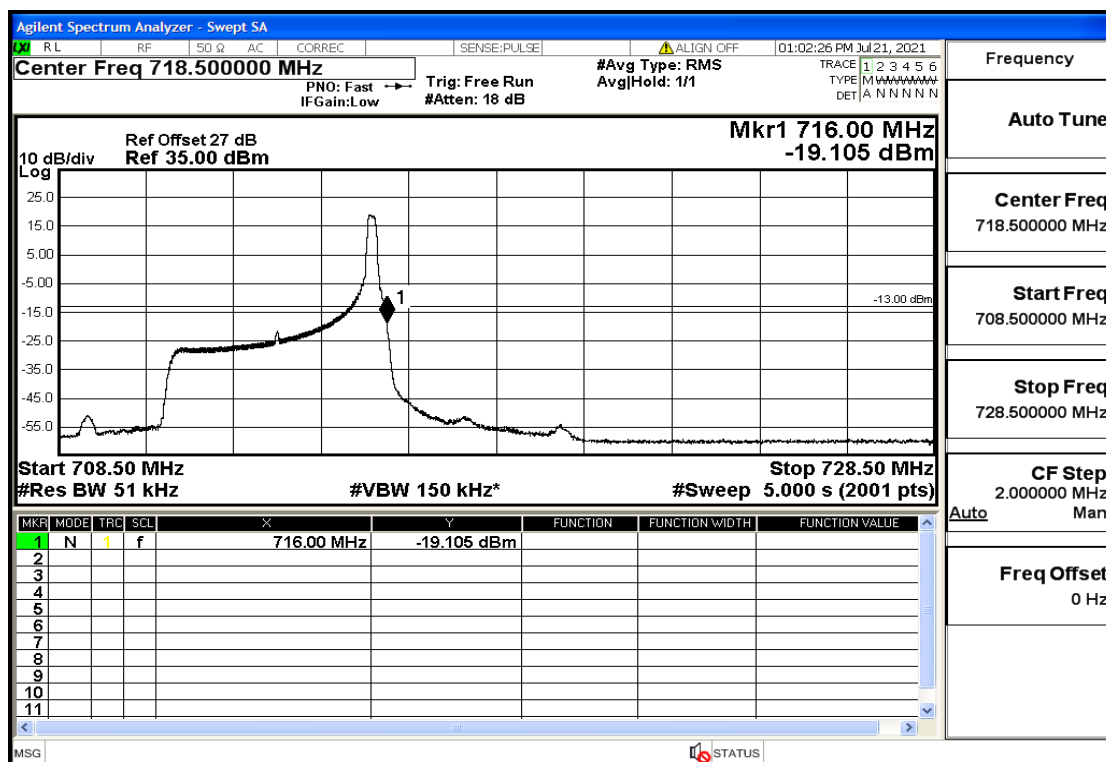
Band12-5-701.5-16QAM-1#LOW@Pass



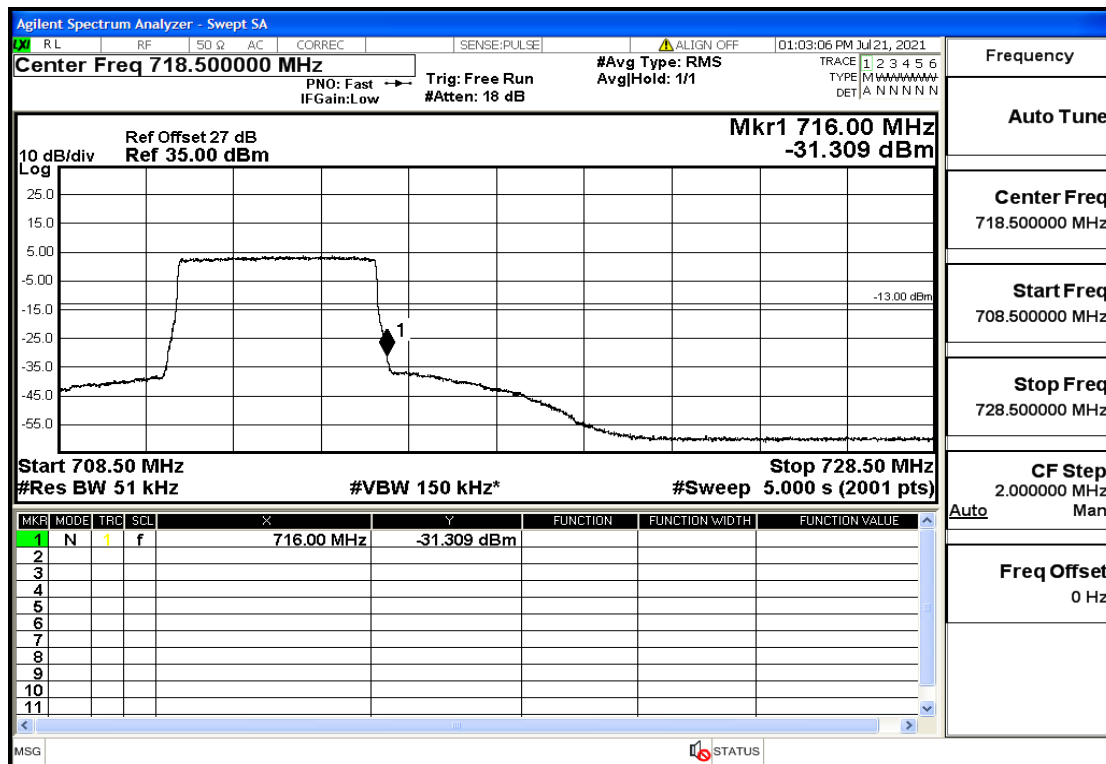
Band12-5-713.5-QPSK-25#LOW@Pass



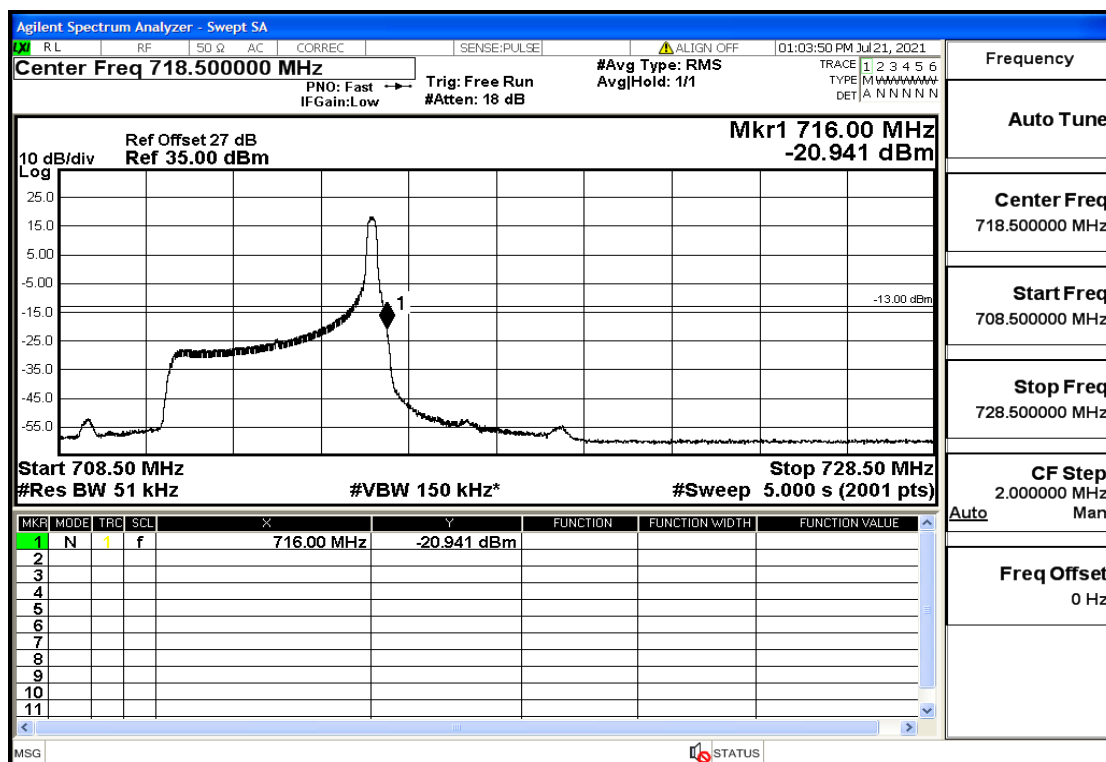
Band12-5-713.5-QPSK-1#HIGH@Pass



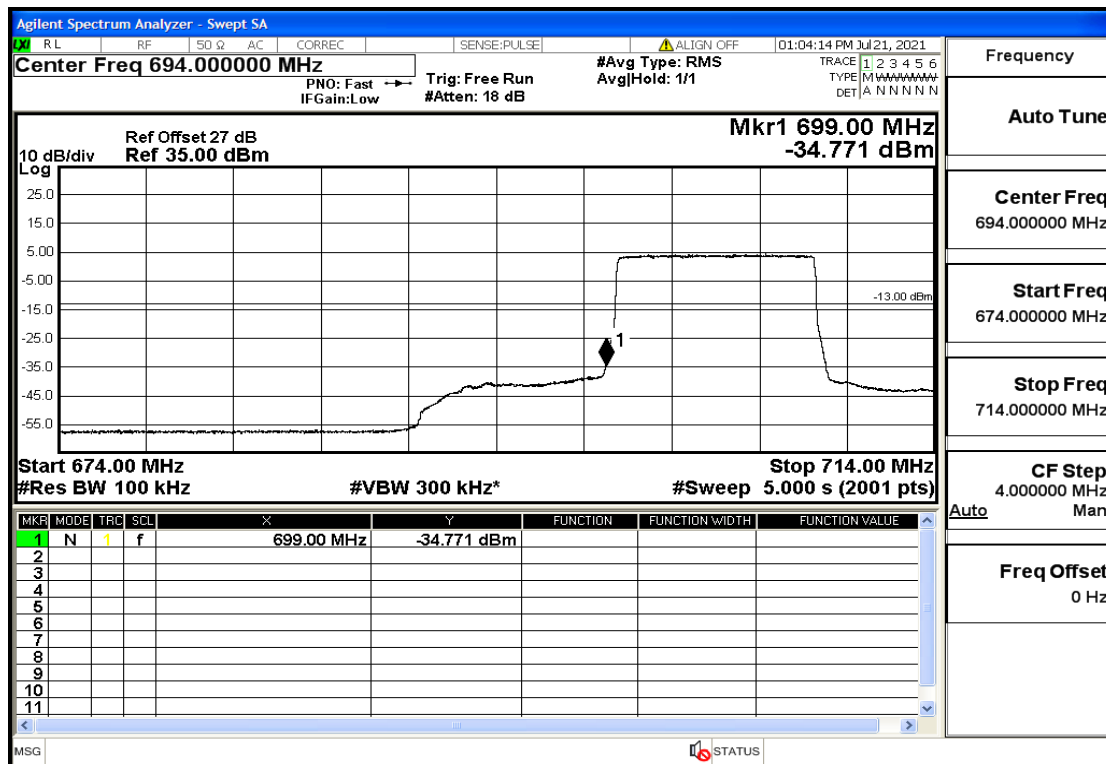
Band12-5-713.5-16QAM-25#LOW@Pass



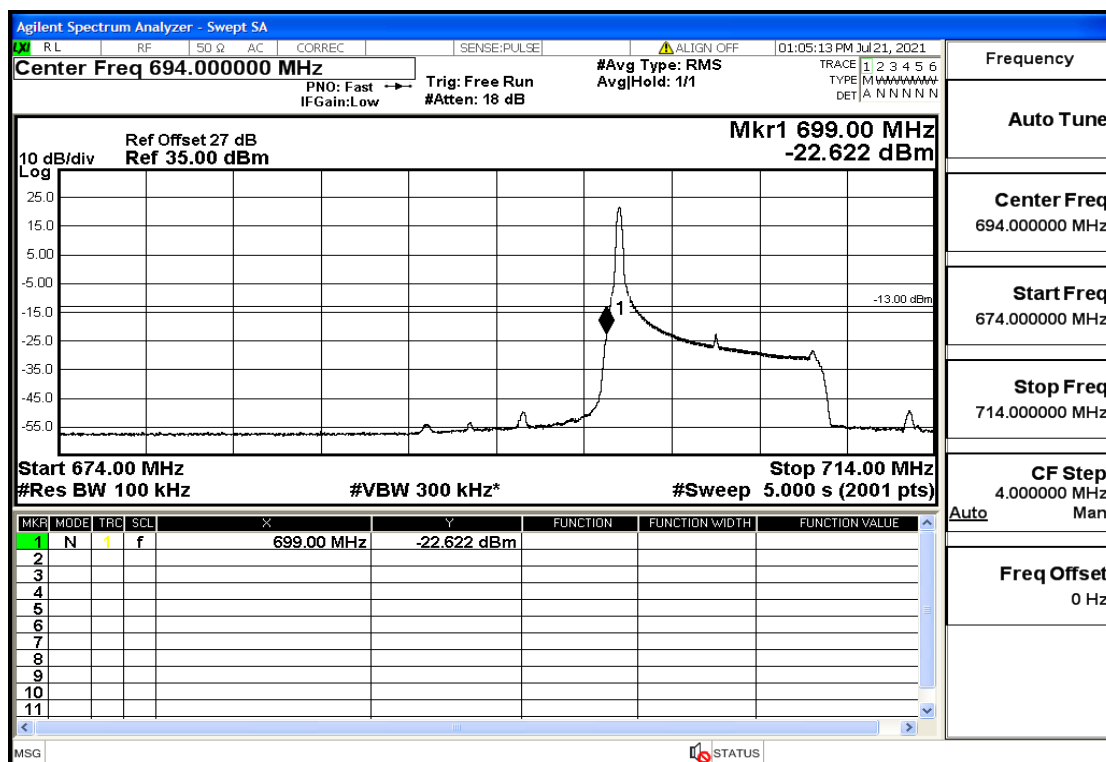
Band12-5-713.5-16QAM-1#HIGH@Pass



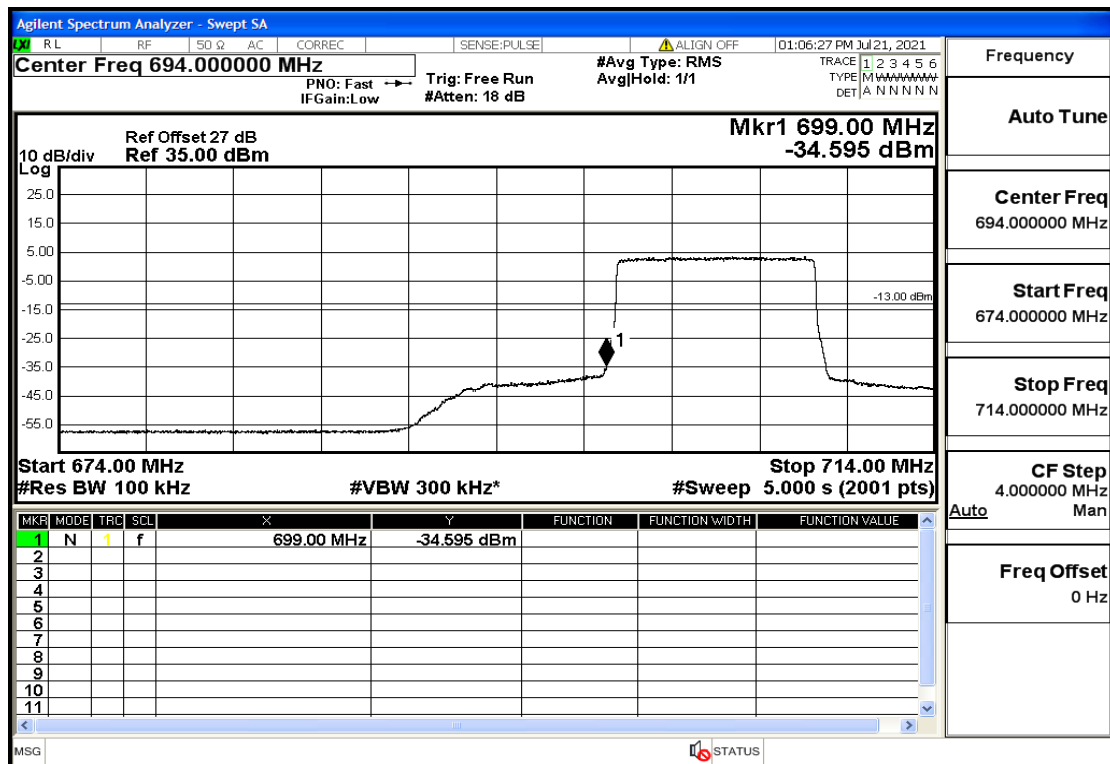
Band12-10-704-QPSK-50#LOW@Pass



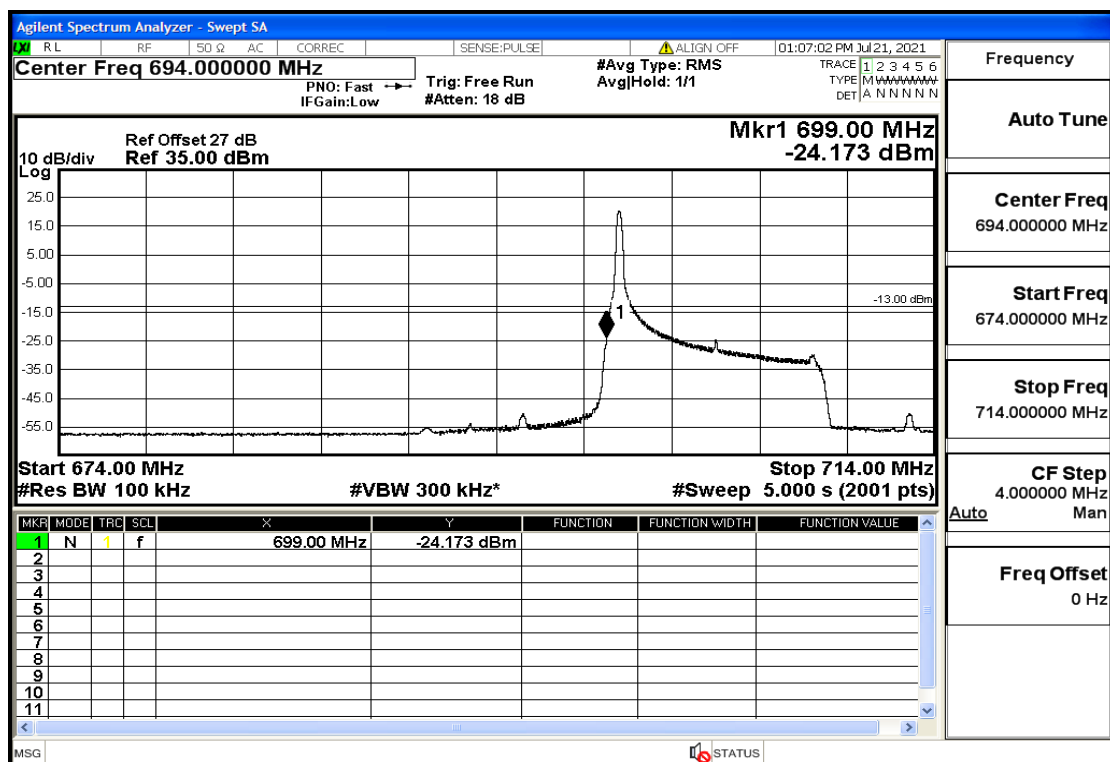
Band12-10-704-QPSK-1#LOW@Pass



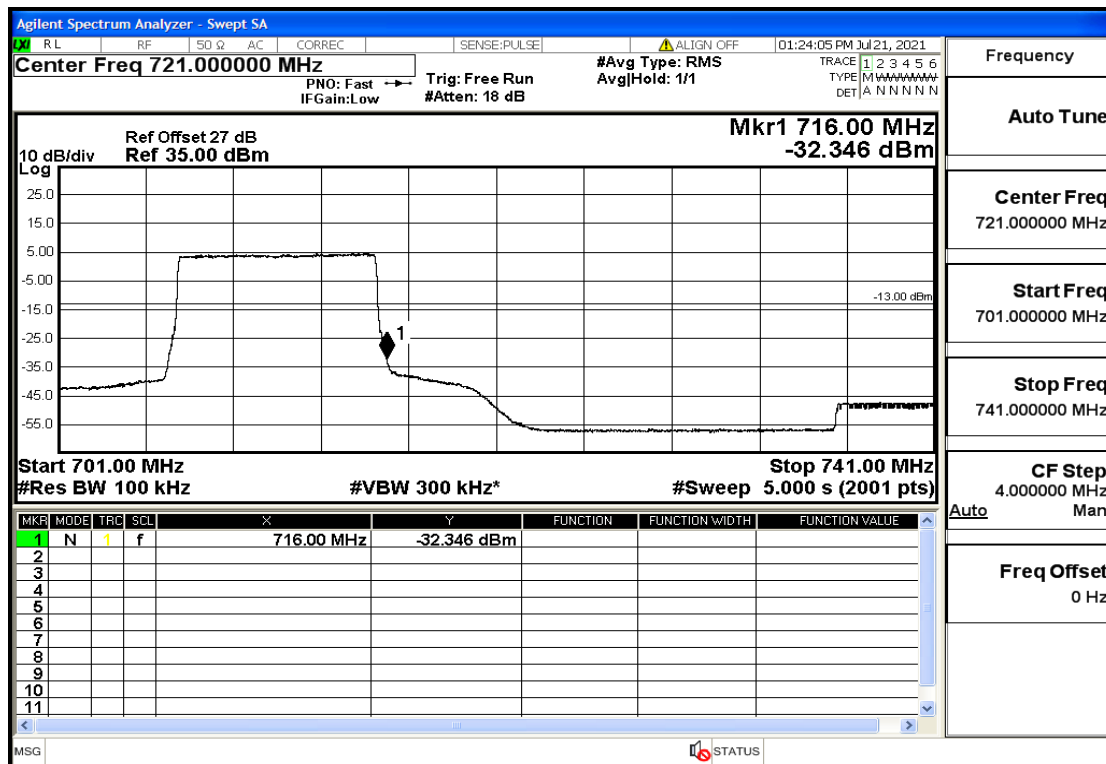
Band12-10-704-16QAM-50#LOW@Pass



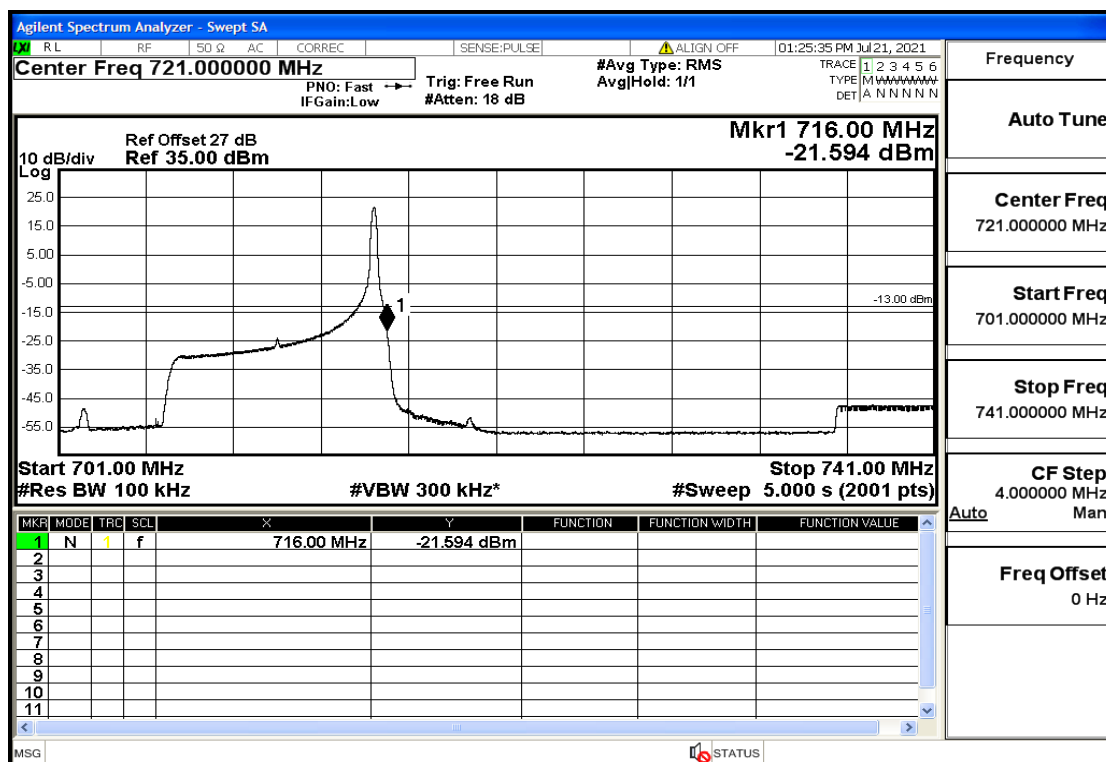
Band12-10-704-16QAM-1#LOW@Pass



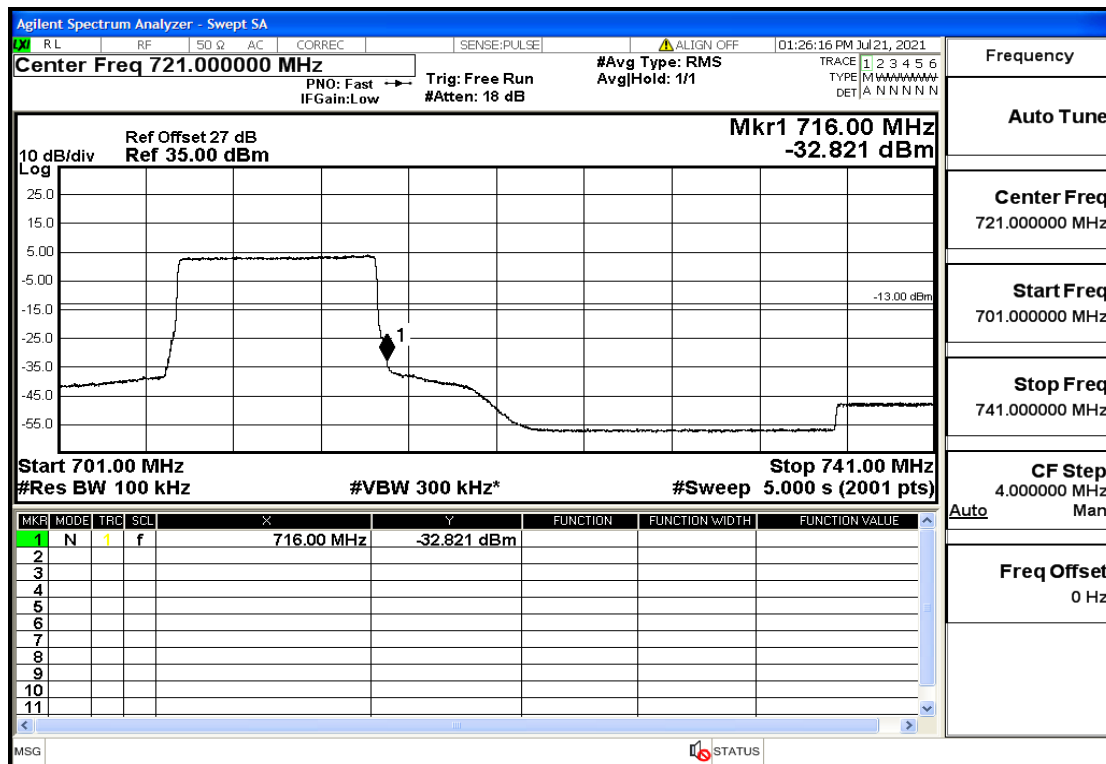
Band12-10-711-QPSK-50#LOW@Pass



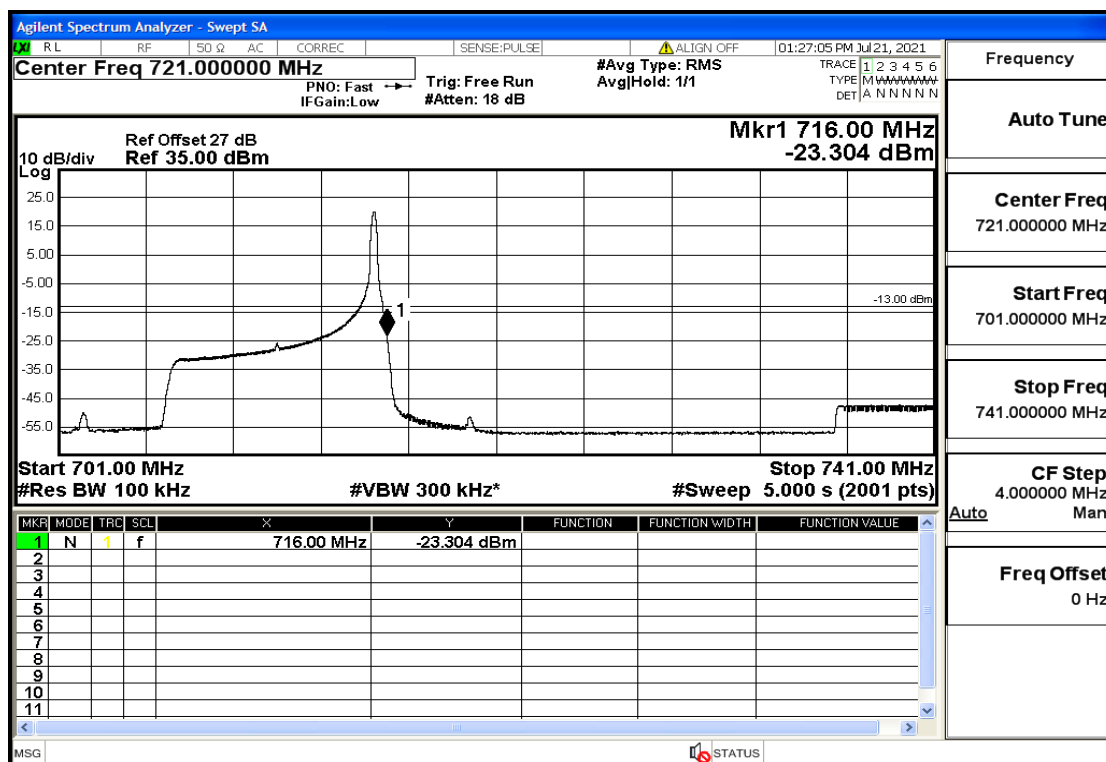
Band12-10-711-QPSK-1#HIGH@Pass



Band12-10-711-16QAM-50#LOW@Pass



Band12-10-711-16QAM-1#HIGH@Pass

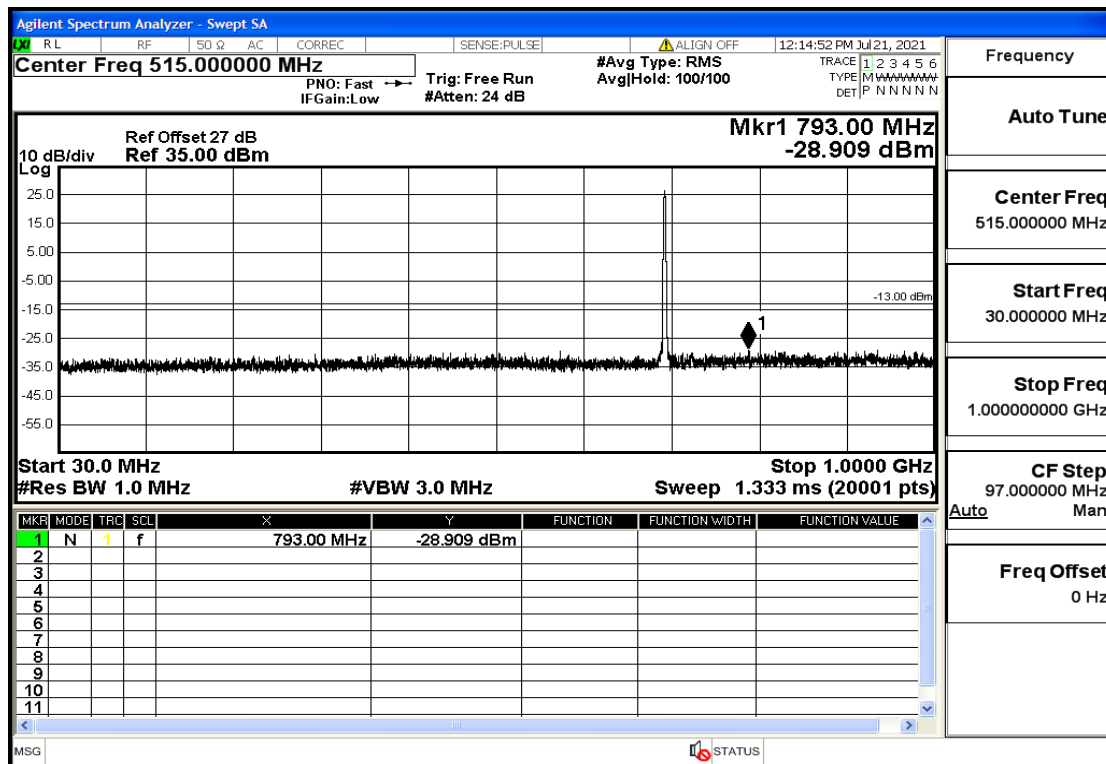


Conducted Spurious Emission

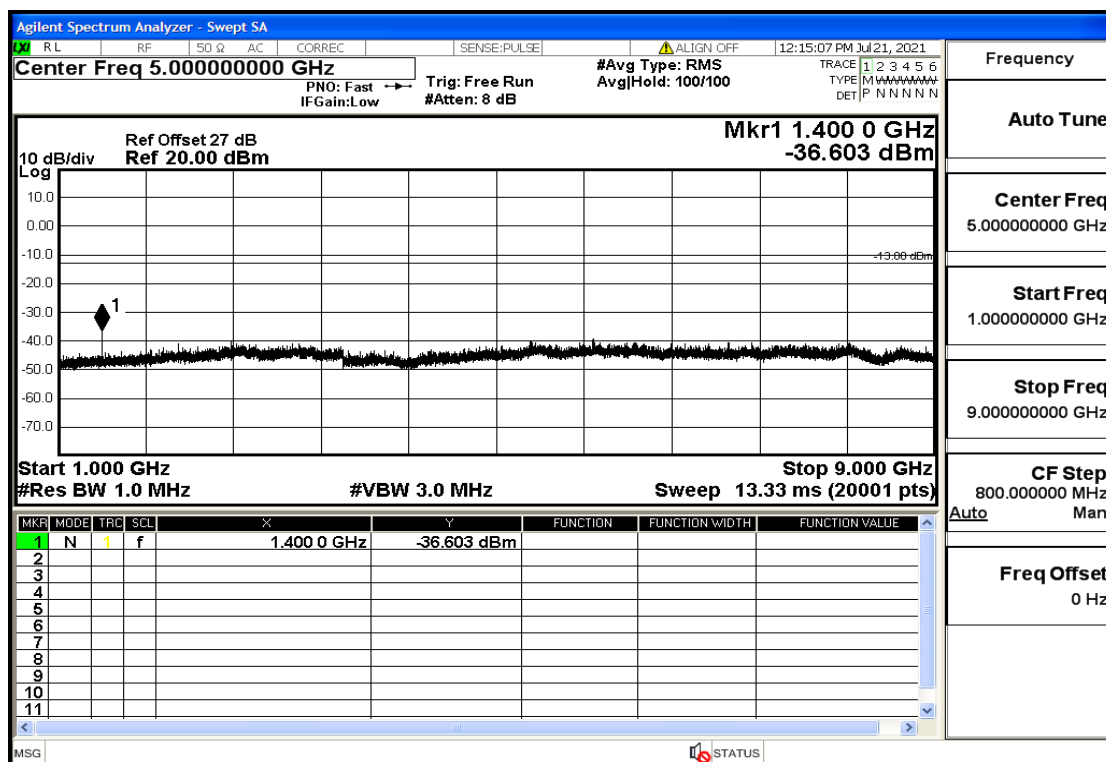
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Test Condition	Transmitter Spurious Emission(Pass/Fail)
OB12	1.4	699.7	QPSK	6	LOW	30mHz-1GHz	Pass
OB12	1.4	699.7	QPSK	6	LOW	1GHz-9GHz	Pass
OB12	1.4	699.7	QPSK	1	LOW	30mHz-1GHz	Pass
OB12	1.4	699.7	QPSK	1	LOW	1GHz-9GHz	Pass
OB12	1.4	699.7	QPSK	1	HIGH	30mHz-1GHz	Pass
OB12	1.4	699.7	QPSK	1	HIGH	1GHz-9GHz	Pass
OB12	1.4	707.5	QPSK	6	LOW	30mHz-1GHz	Pass
OB12	1.4	707.5	QPSK	6	LOW	1GHz-9GHz	Pass
OB12	1.4	707.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB12	1.4	707.5	QPSK	1	LOW	1GHz-9GHz	Pass
OB12	1.4	707.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB12	1.4	707.5	QPSK	1	HIGH	1GHz-9GHz	Pass
OB12	1.4	715.3	QPSK	6	LOW	30mHz-1GHz	Pass
OB12	1.4	715.3	QPSK	6	LOW	1GHz-9GHz	Pass
OB12	1.4	715.3	QPSK	1	LOW	30mHz-1GHz	Pass
OB12	1.4	715.3	QPSK	1	LOW	1GHz-9GHz	Pass
OB12	1.4	715.3	QPSK	1	HIGH	30mHz-1GHz	Pass
OB12	1.4	715.3	QPSK	1	HIGH	1GHz-9GHz	Pass
OB12	3	700.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB12	3	700.5	QPSK	15	LOW	1GHz-9GHz	Pass
OB12	3	700.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB12	3	700.5	QPSK	1	LOW	1GHz-9GHz	Pass
OB12	3	700.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB12	3	700.5	QPSK	1	HIGH	1GHz-9GHz	Pass
OB12	3	707.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB12	3	707.5	QPSK	15	LOW	1GHz-9GHz	Pass
OB12	3	707.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB12	3	707.5	QPSK	1	LOW	1GHz-9GHz	Pass
OB12	3	707.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB12	3	707.5	QPSK	1	HIGH	1GHz-9GHz	Pass
OB12	3	714.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB12	3	714.5	QPSK	15	LOW	1GHz-9GHz	Pass
OB12	3	714.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB12	3	714.5	QPSK	1	LOW	1GHz-9GHz	Pass
OB12	3	714.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB12	3	714.5	QPSK	1	HIGH	1GHz-9GHz	Pass
OB12	5	701.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB12	5	701.5	QPSK	25	LOW	1GHz-9GHz	Pass
OB12	5	701.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB12	5	701.5	QPSK	1	LOW	1GHz-9GHz	Pass

OB12	5	701.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB12	5	701.5	QPSK	1	HIGH	1GHz-9GHz	Pass
OB12	5	707.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB12	5	707.5	QPSK	25	LOW	1GHz-9GHz	Pass
OB12	5	707.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB12	5	707.5	QPSK	1	LOW	1GHz-9GHz	Pass
OB12	5	707.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB12	5	707.5	QPSK	1	HIGH	1GHz-9GHz	Pass
OB12	5	713.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB12	5	713.5	QPSK	25	LOW	1GHz-9GHz	Pass
OB12	5	713.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB12	5	713.5	QPSK	1	LOW	1GHz-9GHz	Pass
OB12	5	713.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB12	5	713.5	QPSK	1	HIGH	1GHz-9GHz	Pass
OB12	10	704	QPSK	50	LOW	30mHz-1GHz	Pass
OB12	10	704	QPSK	50	LOW	1GHz-9GHz	Pass
OB12	10	704	QPSK	1	LOW	30mHz-1GHz	Pass
OB12	10	704	QPSK	1	LOW	1GHz-9GHz	Pass
OB12	10	704	QPSK	1	HIGH	30mHz-1GHz	Pass
OB12	10	704	QPSK	1	HIGH	1GHz-9GHz	Pass
OB12	10	707.5	QPSK	50	LOW	30mHz-1GHz	Pass
OB12	10	707.5	QPSK	50	LOW	1GHz-9GHz	Pass
OB12	10	707.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB12	10	707.5	QPSK	1	LOW	1GHz-9GHz	Pass
OB12	10	707.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB12	10	707.5	QPSK	1	HIGH	1GHz-9GHz	Pass
OB12	10	711	QPSK	50	LOW	30mHz-1GHz	Pass
OB12	10	711	QPSK	50	LOW	1GHz-9GHz	Pass
OB12	10	711	QPSK	1	LOW	30mHz-1GHz	Pass
OB12	10	711	QPSK	1	LOW	1GHz-9GHz	Pass
OB12	10	711	QPSK	1	HIGH	30mHz-1GHz	Pass
OB12	10	711	QPSK	1	HIGH	1GHz-9GHz	Pass

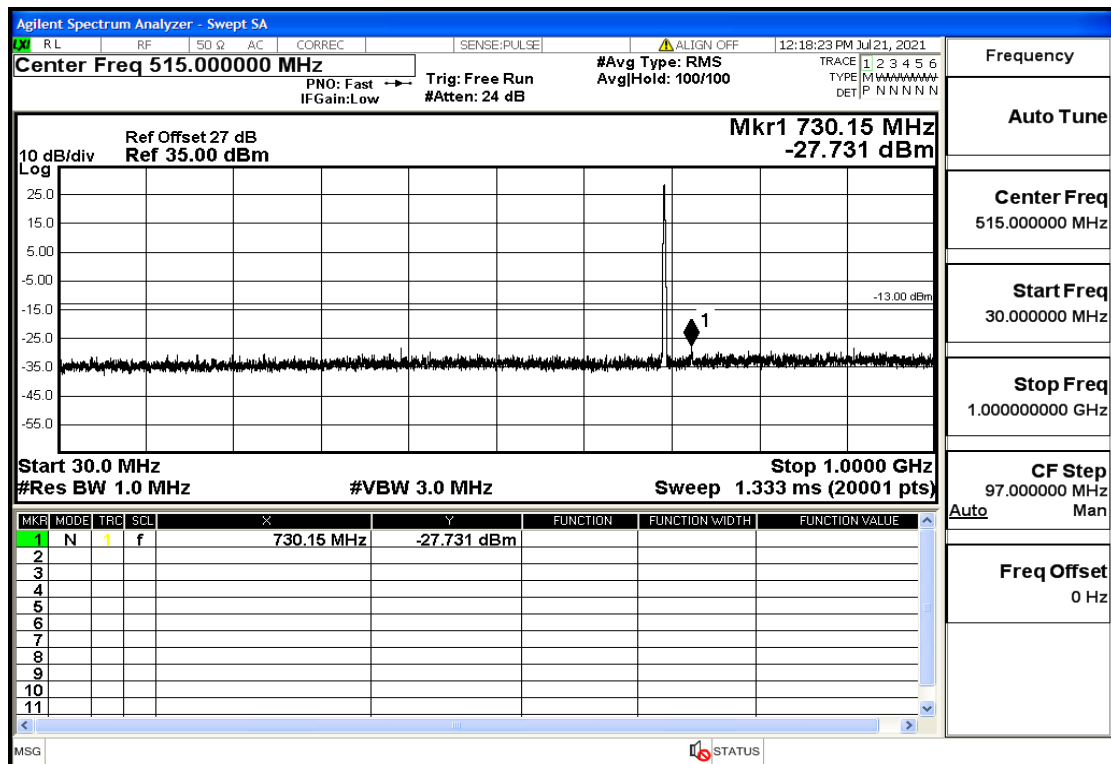
OB12-1.4-699.7-QPSK-6#LOW@30mHz-1GHz@Pass



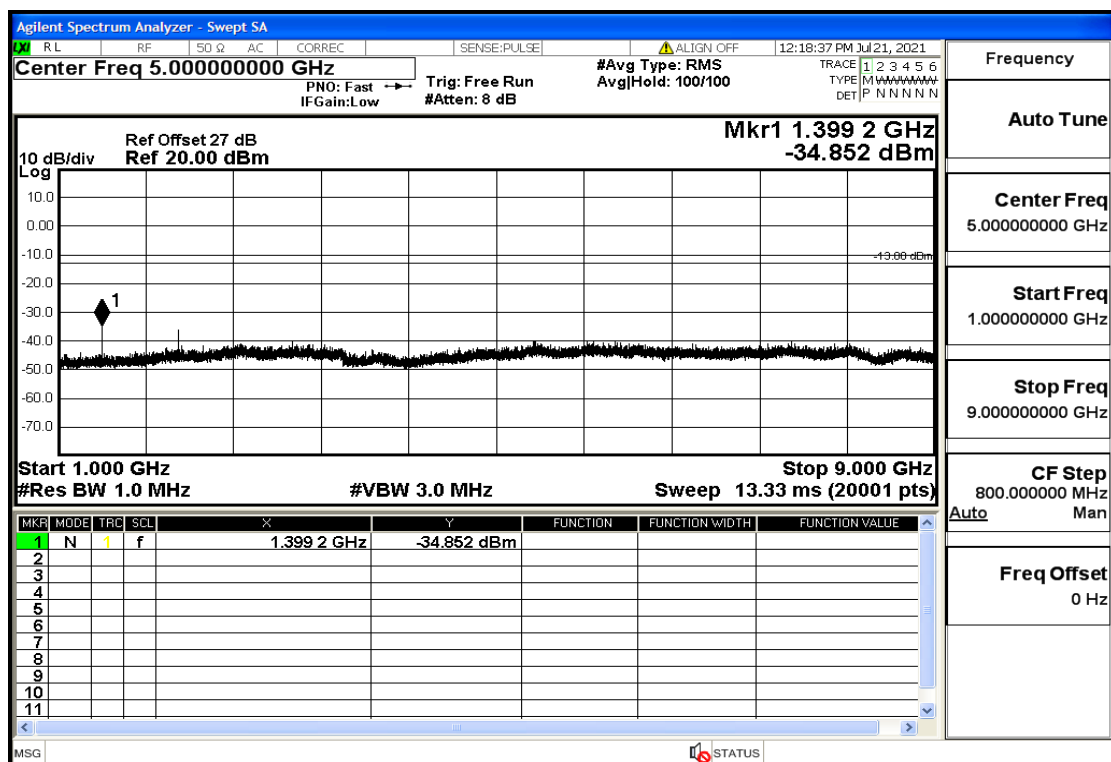
OB12-1.4-699.7-QPSK-6#LOW@1GHz-9GHz@Pass



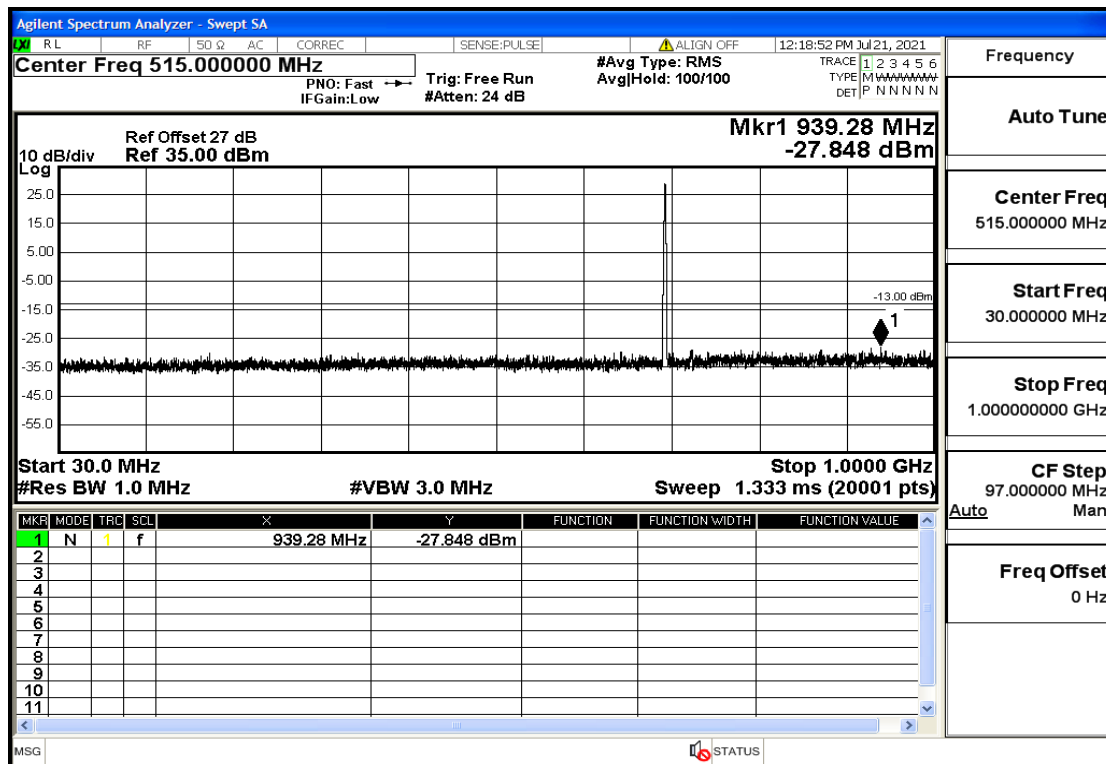
OB12-1.4-699.7-QPSK-1#LOW@30mHz-1GHz@Pass



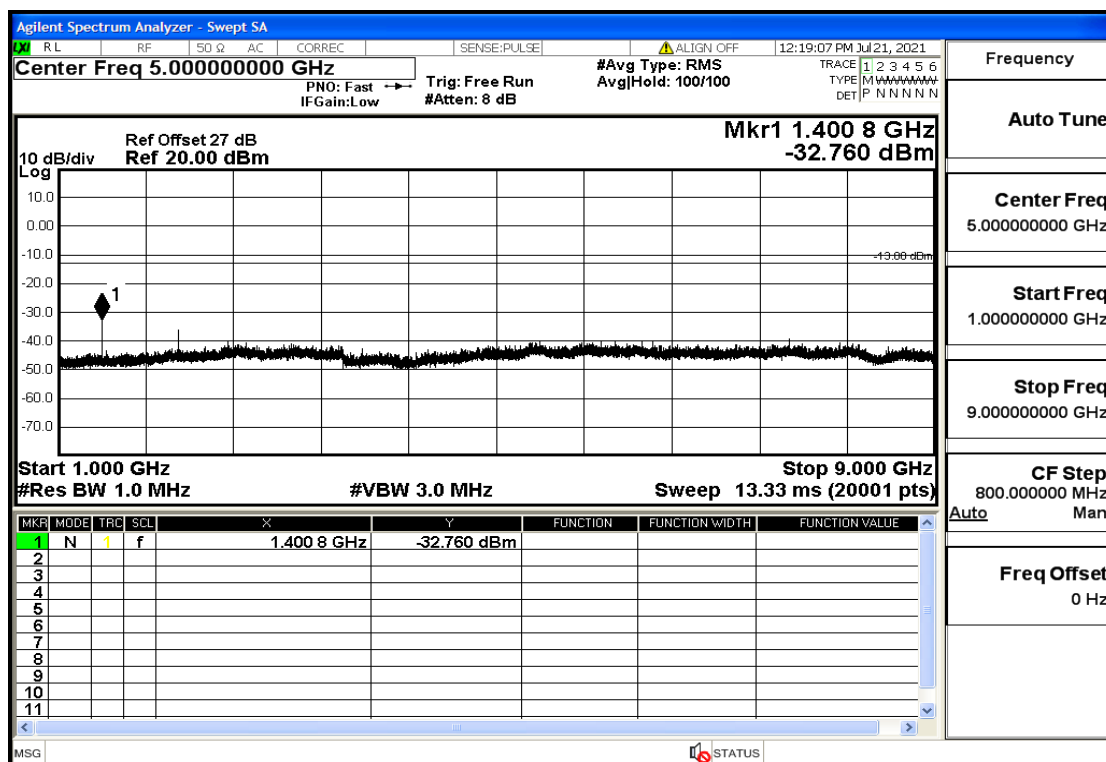
OB12-1.4-699.7-QPSK-1#LOW@1GHz-9GHz@Pass



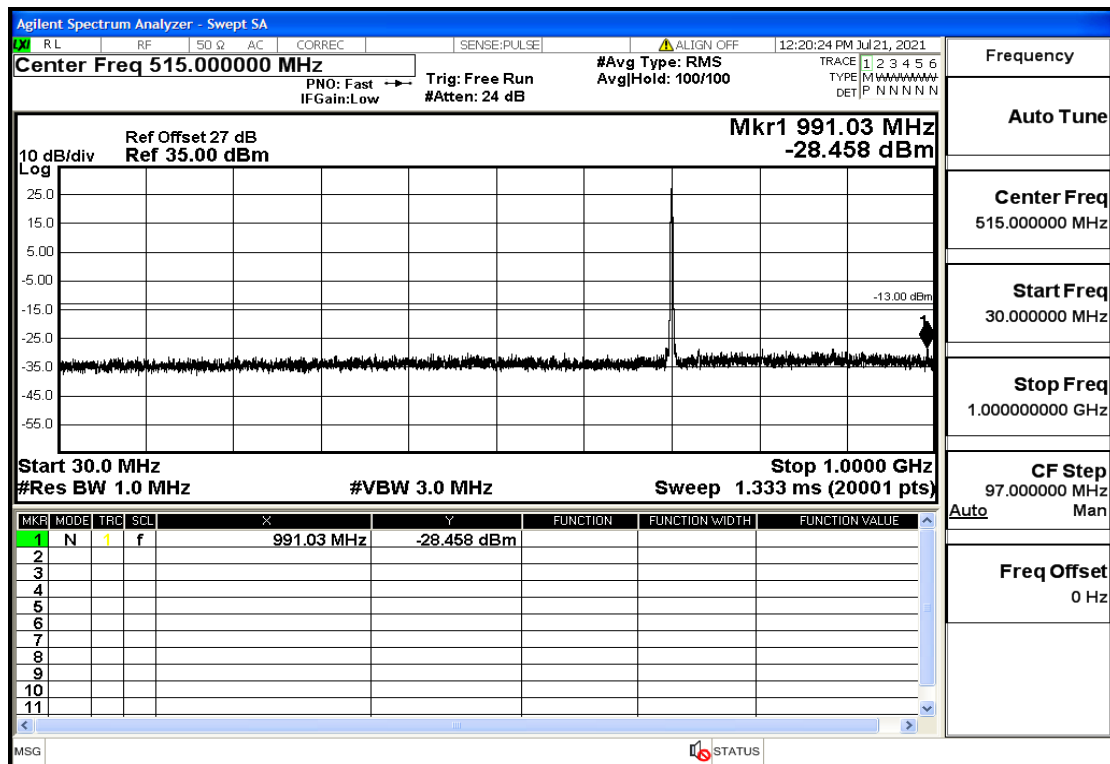
OB12-1.4-699.7-QPSK-1#HIGH@30mHz-1GHz@Pass



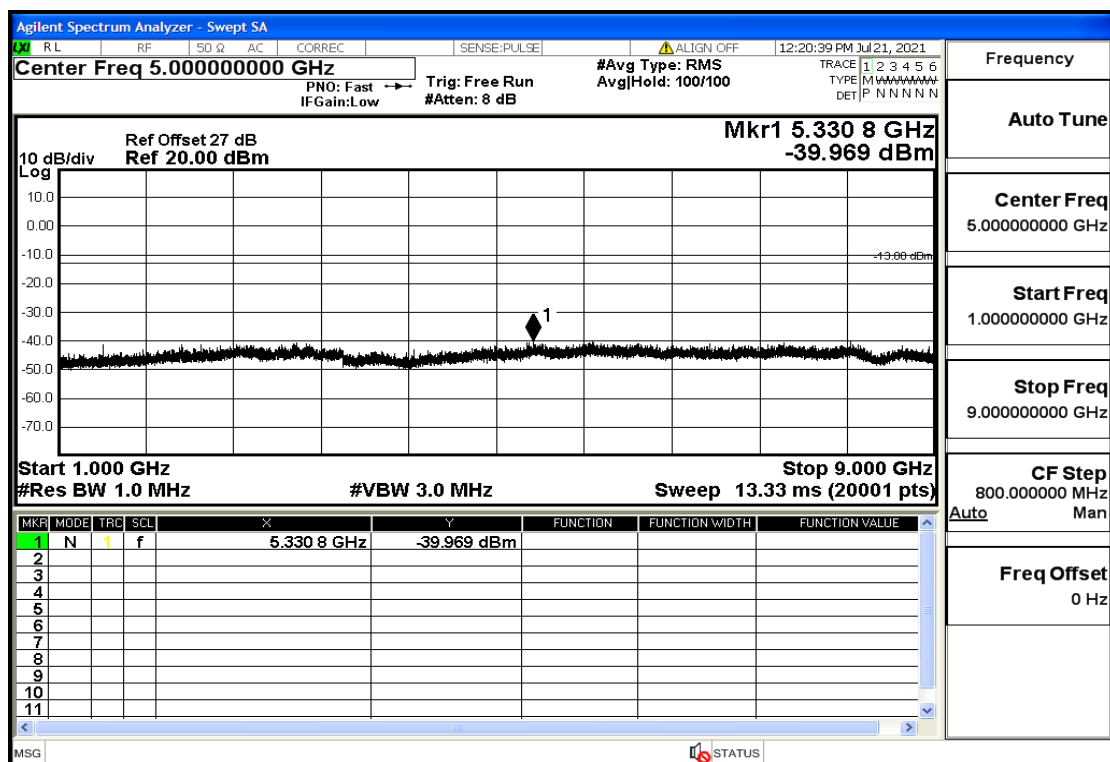
OB12-1.4-699.7-QPSK-1#HIGH@1GHz-9GHz@Pass



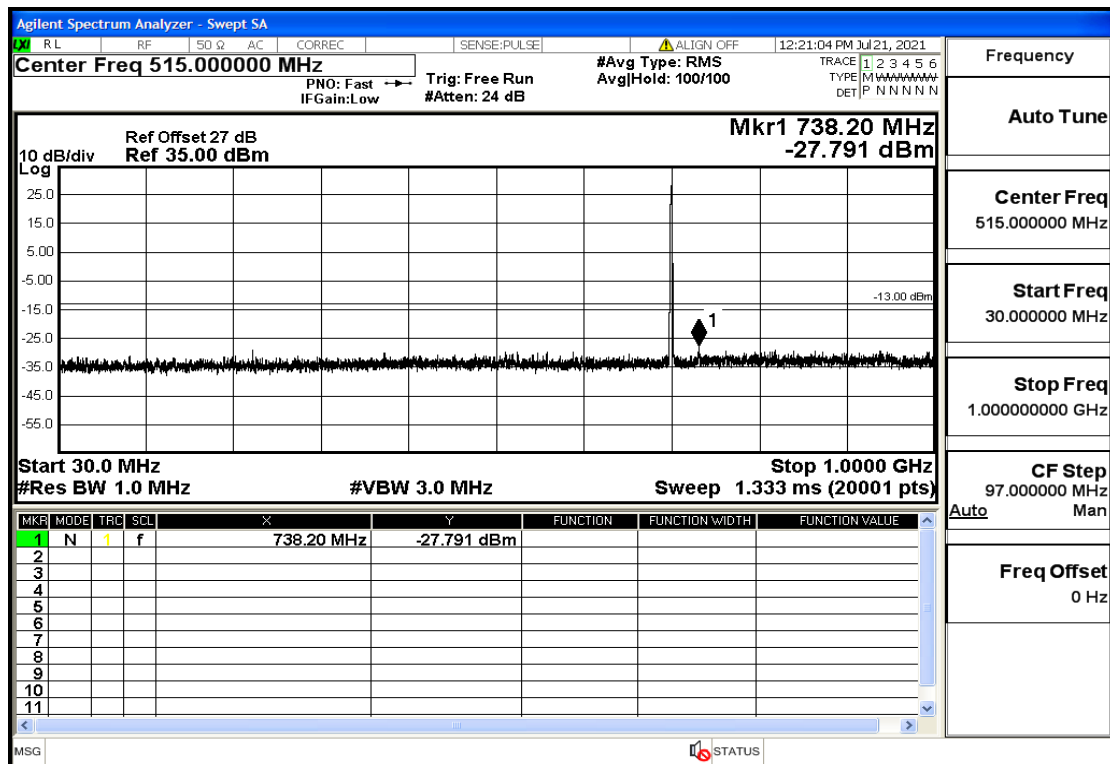
OB12-1.4-707.5-QPSK-6#LOW@30mHz-1GHz@Pass



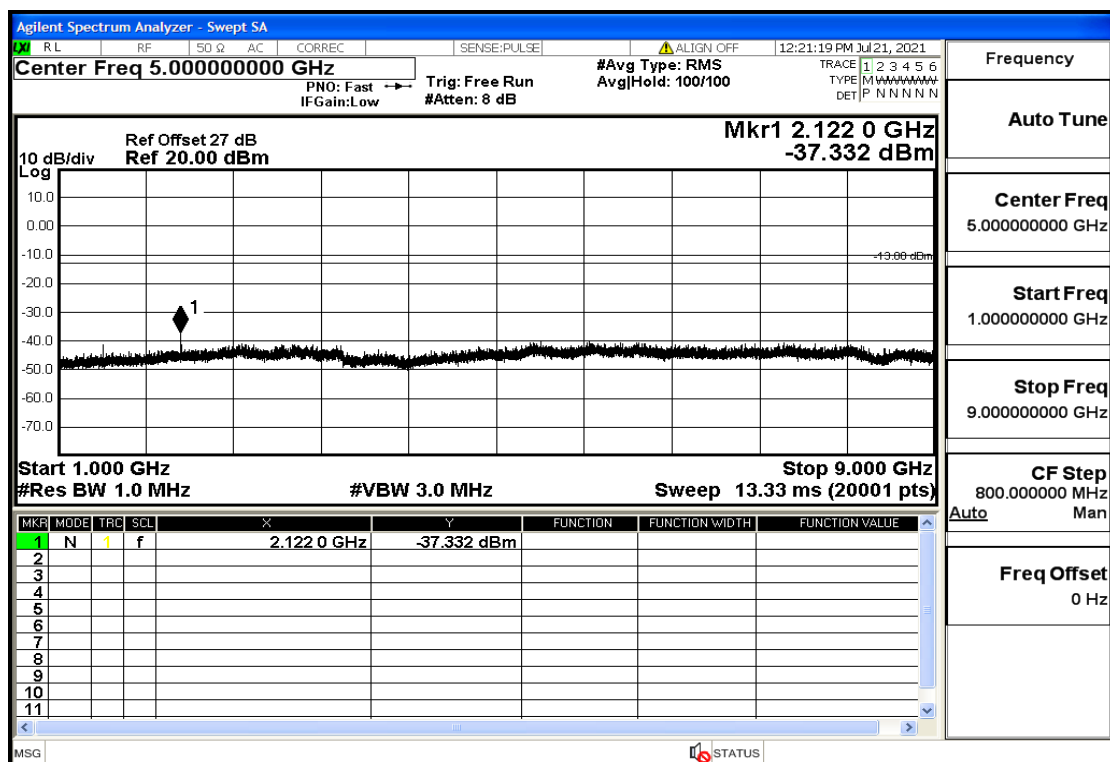
OB12-1.4-707.5-QPSK-6#LOW@1GHz-9GHz@Pass



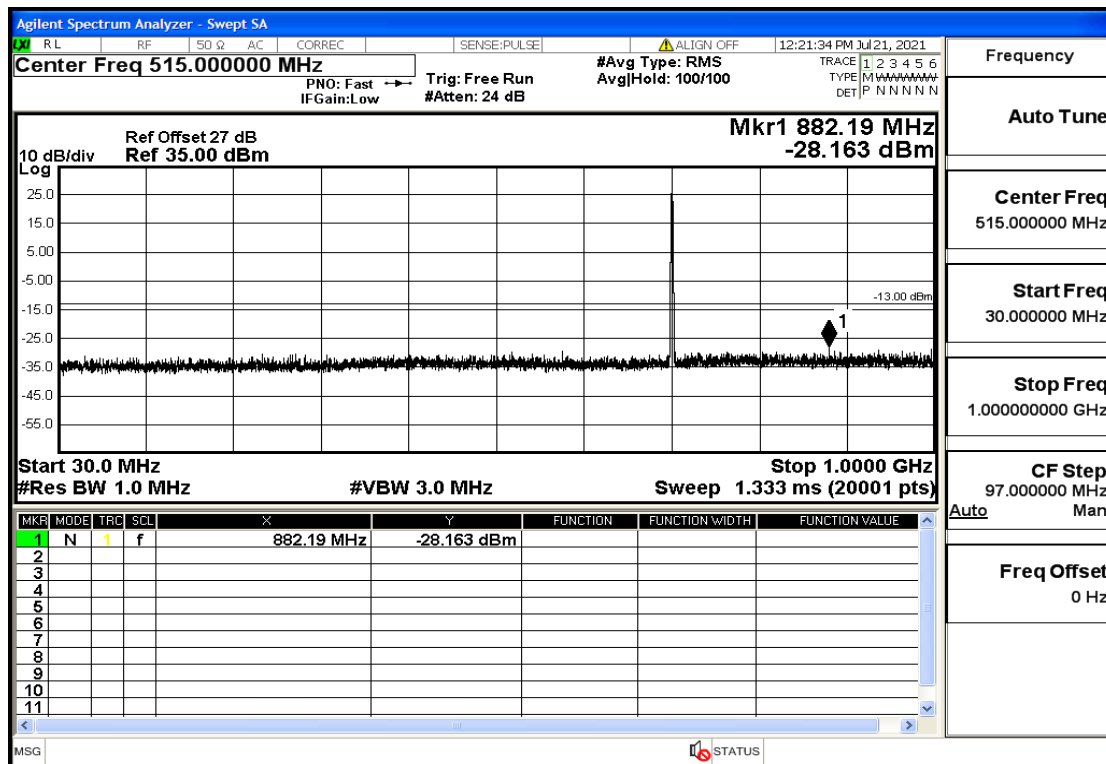
OB12-1.4-707.5-QPSK-1#LOW@30mHz-1GHz@Pass



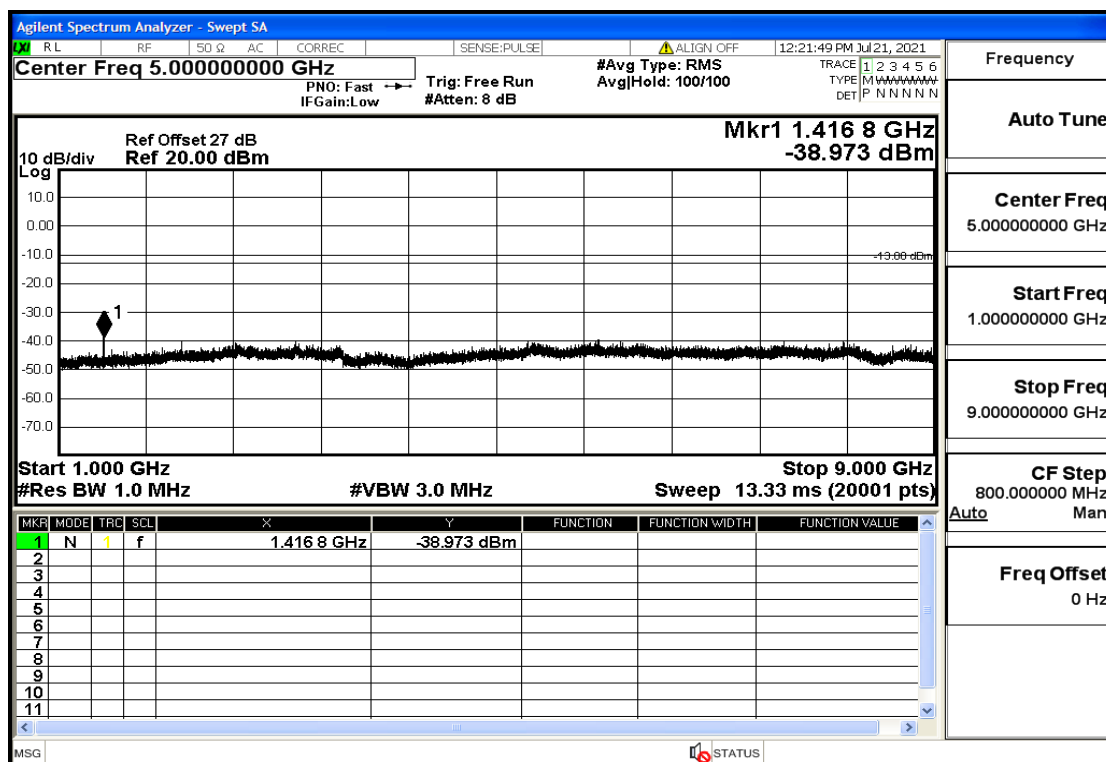
OB12-1.4-707.5-QPSK-1#LOW@1GHz-9GHz@Pass



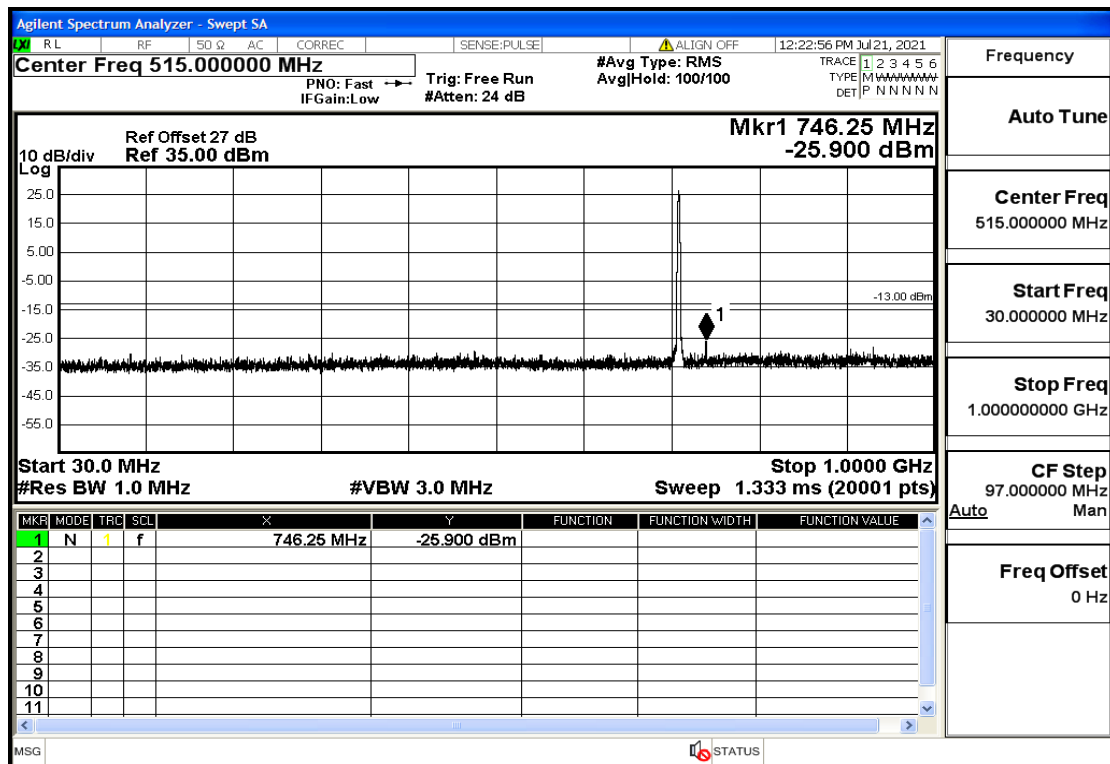
OB12-1.4-707.5-QPSK-1#HIGH@30mHz-1GHz@Pass



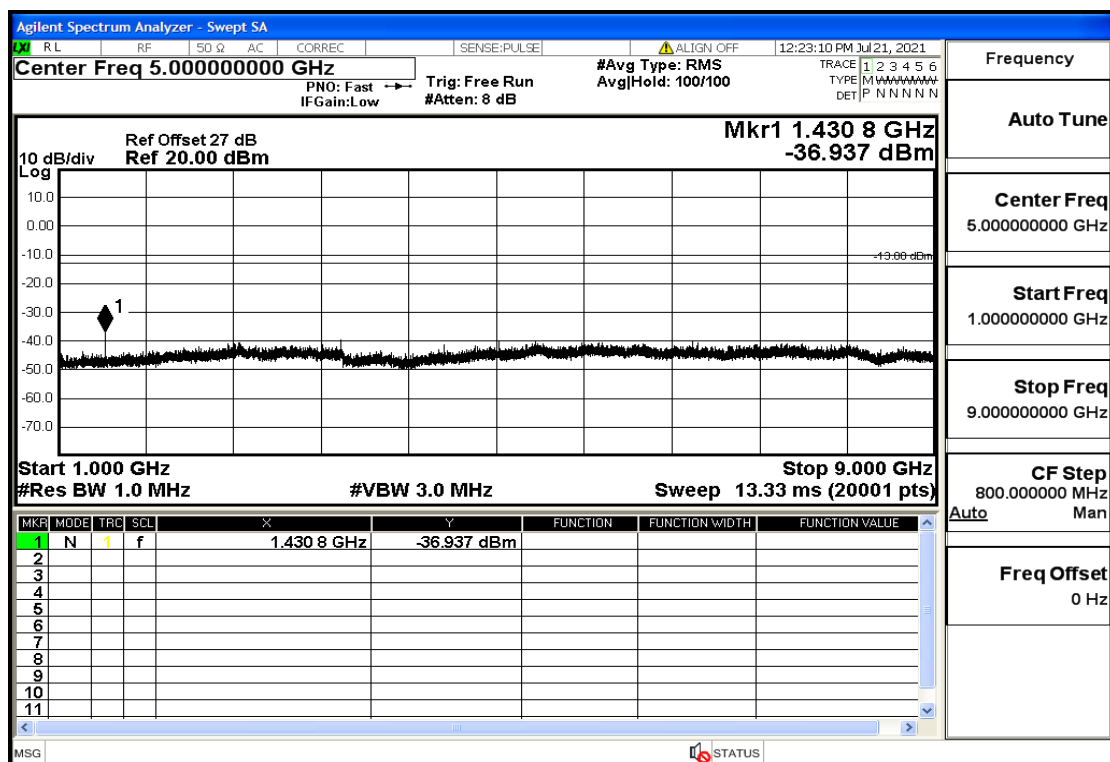
OB12-1.4-707.5-QPSK-1#HIGH@1GHz-9GHz@Pass



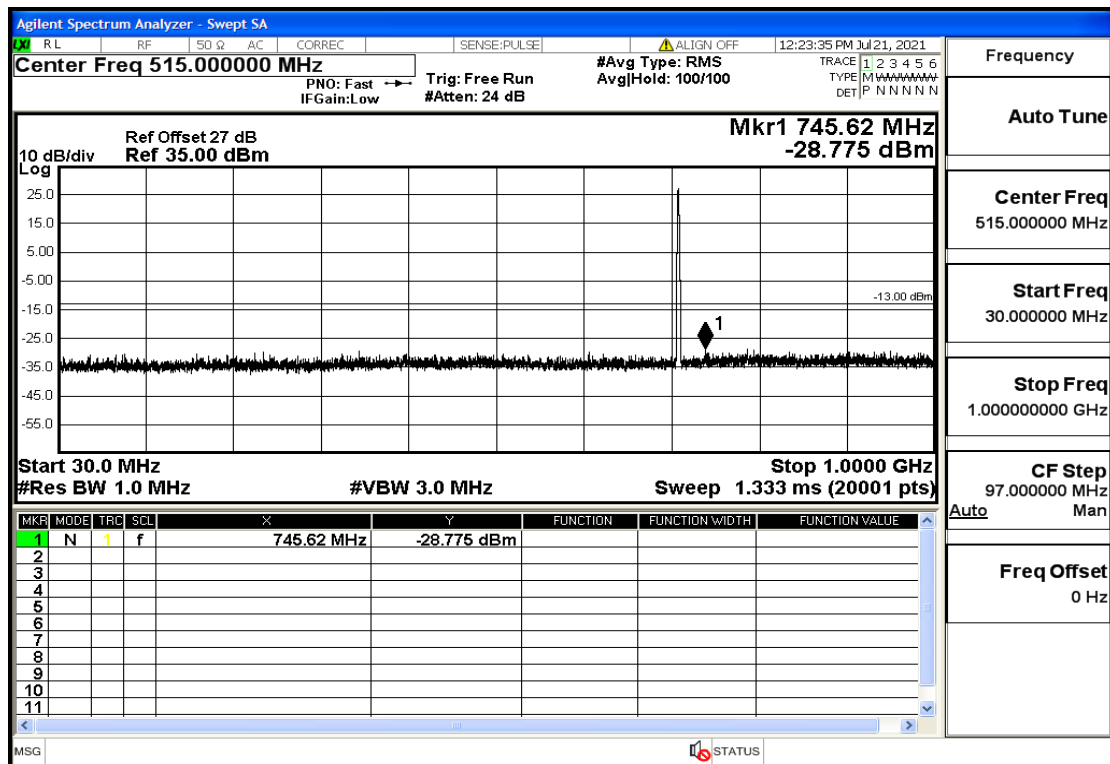
OB12-1.4-715.3-QPSK-6#LOW@30mHz-1GHz@Pass



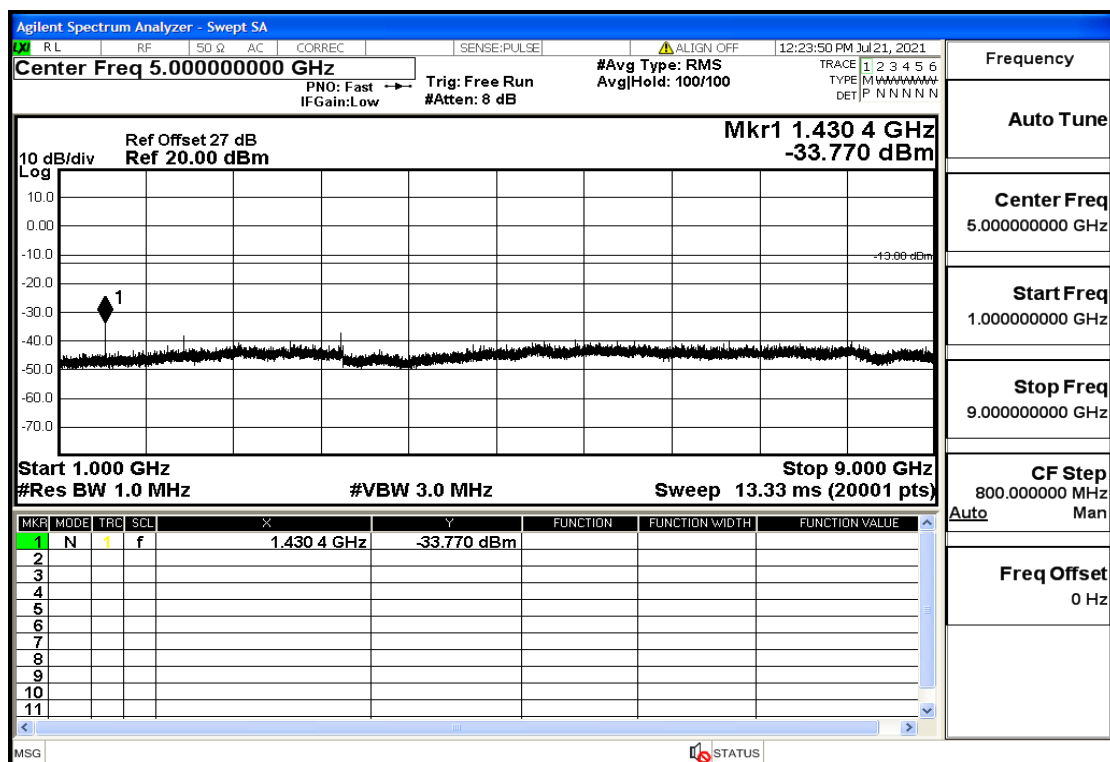
OB12-1.4-715.3-QPSK-6#LOW@1GHz-9GHz@Pass



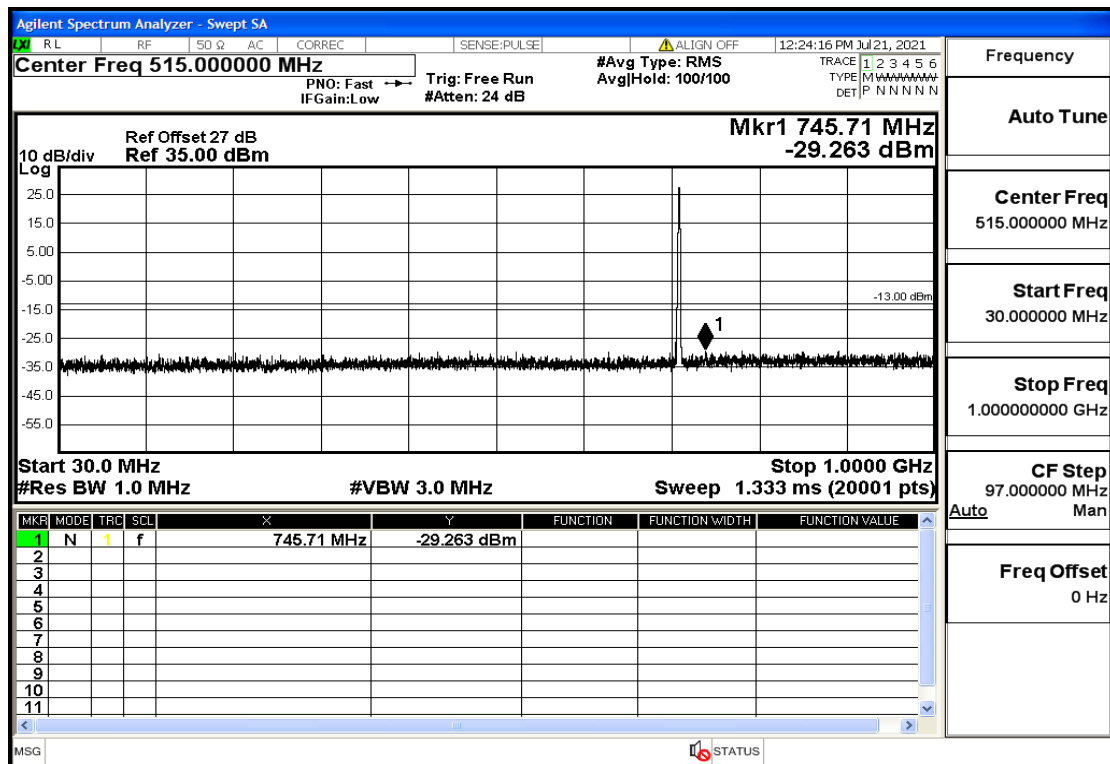
OB12-1.4-715.3-QPSK-1#LOW@30mHz-1GHz@Pass



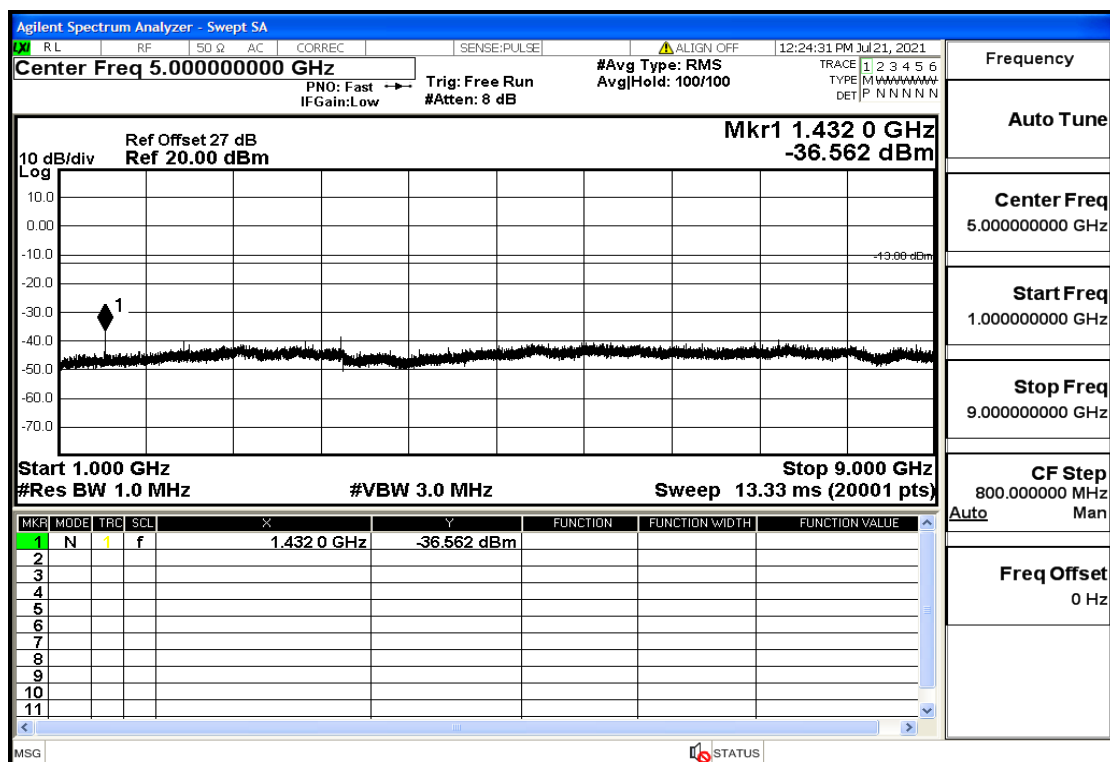
OB12-1.4-715.3-QPSK-1#LOW@1GHz-9GHz@Pass



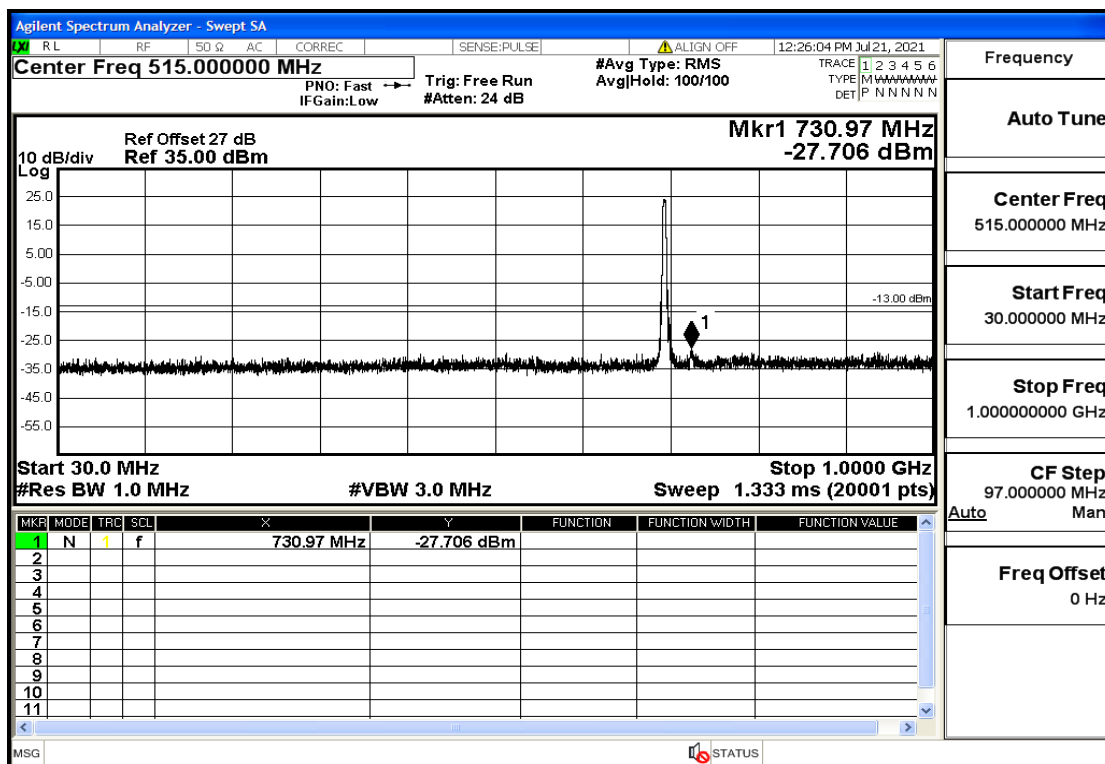
OB12-1.4-715.3-QPSK-1#HIGH@30mHz-1GHz@Pass



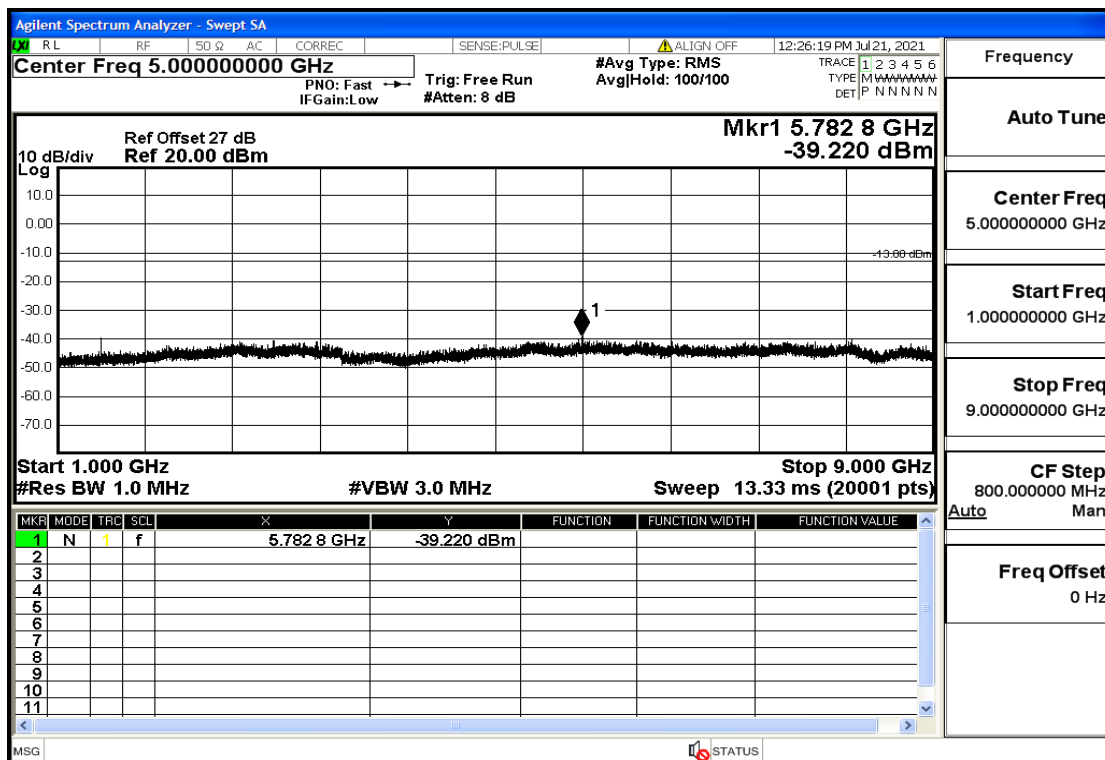
OB12-1.4-715.3-QPSK-1#HIGH@1GHz-9GHz@Pass



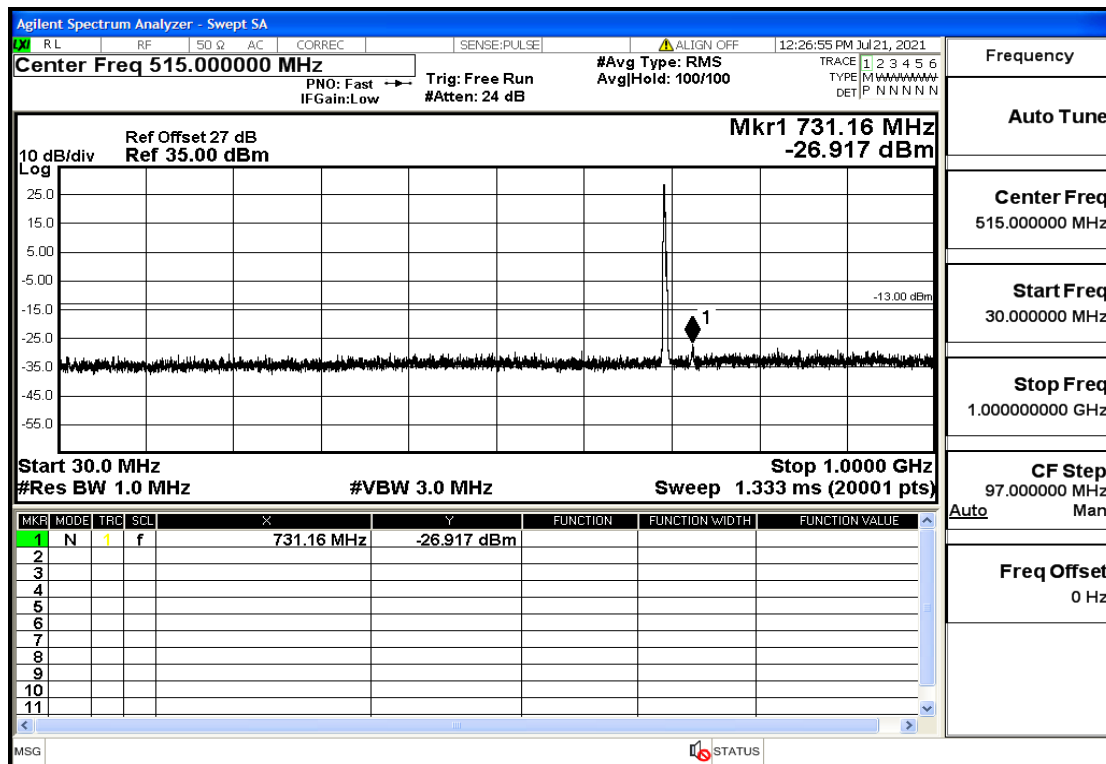
OB12-3-700.5-QPSK-15#LOW@30mHz-1GHz@Pass



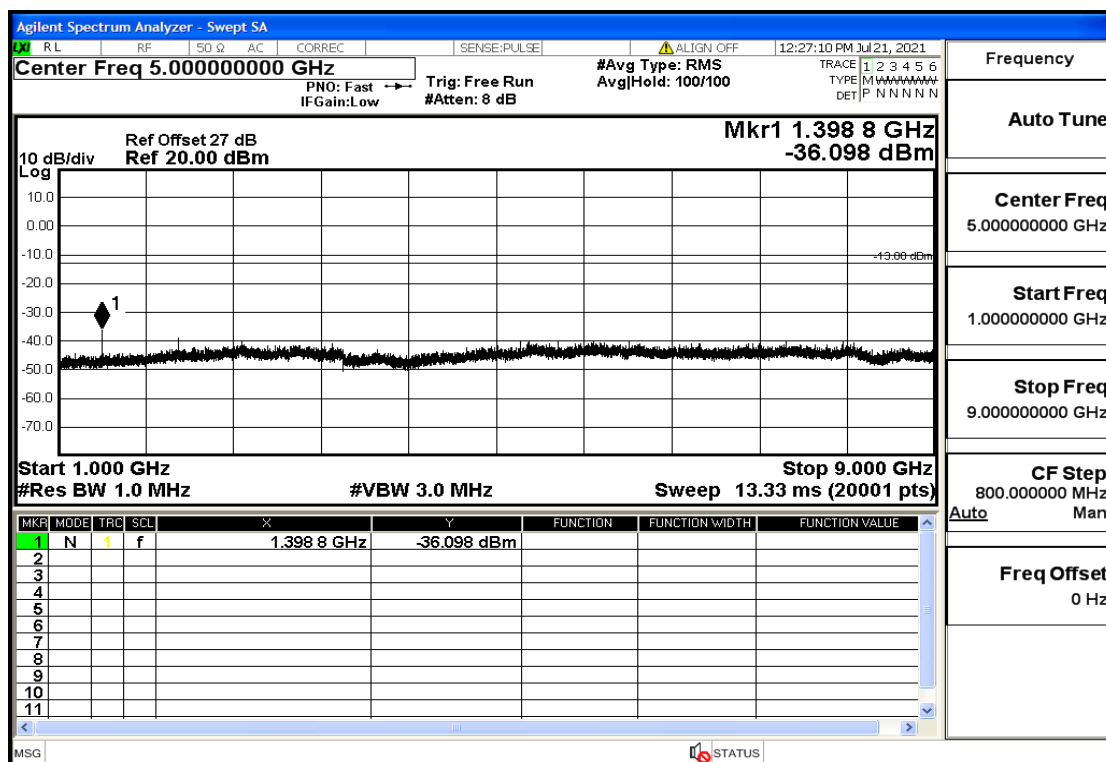
OB12-3-700.5-QPSK-15#LOW@1GHz-9GHz@Pass



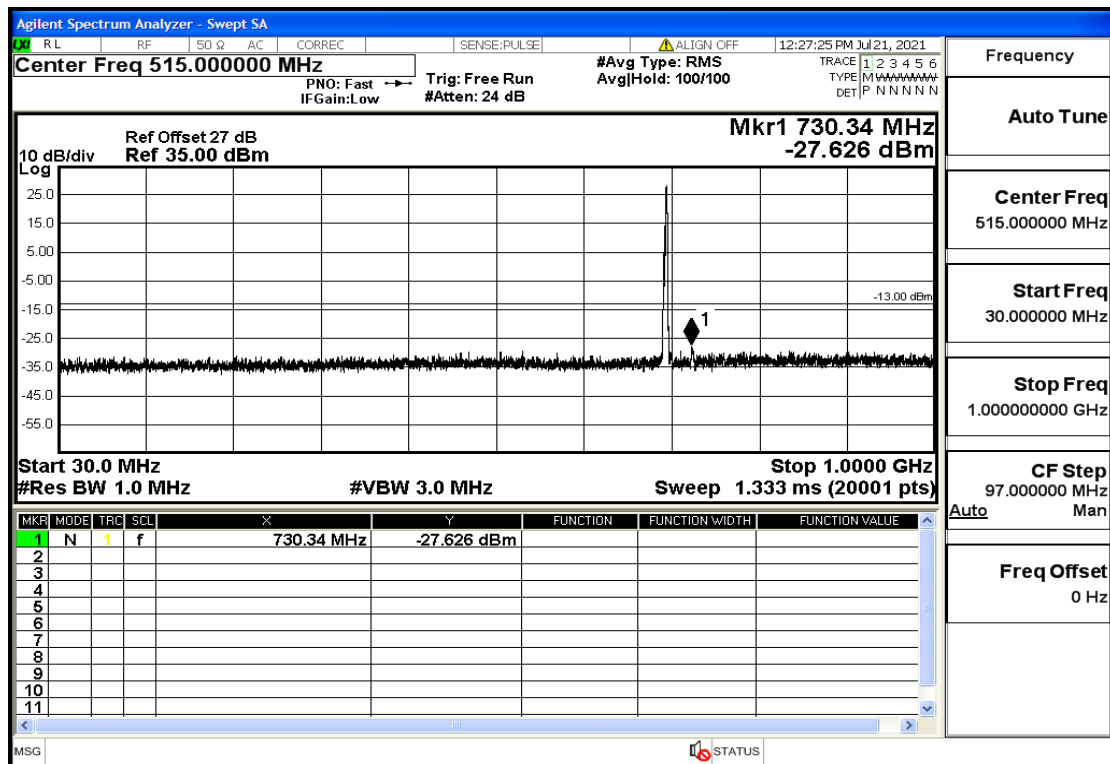
OB12-3-700.5-QPSK-1#LOW@30mHz-1GHz@Pass



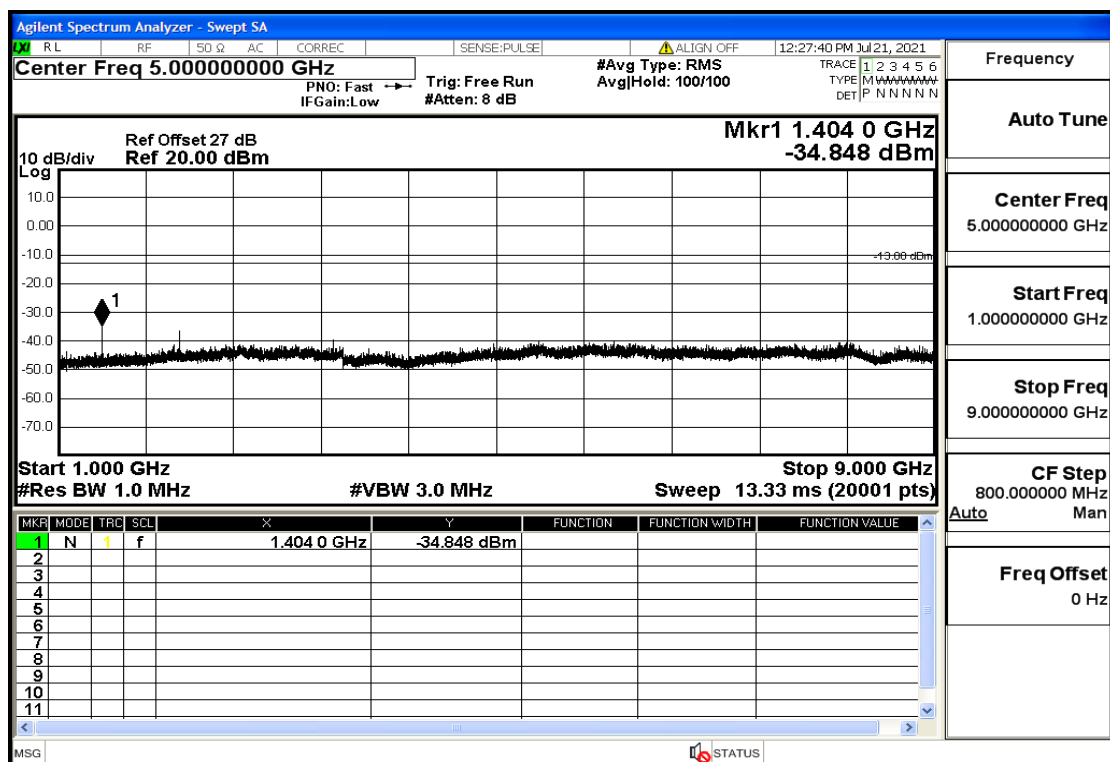
OB12-3-700.5-QPSK-1#LOW@1GHz-9GHz@Pass



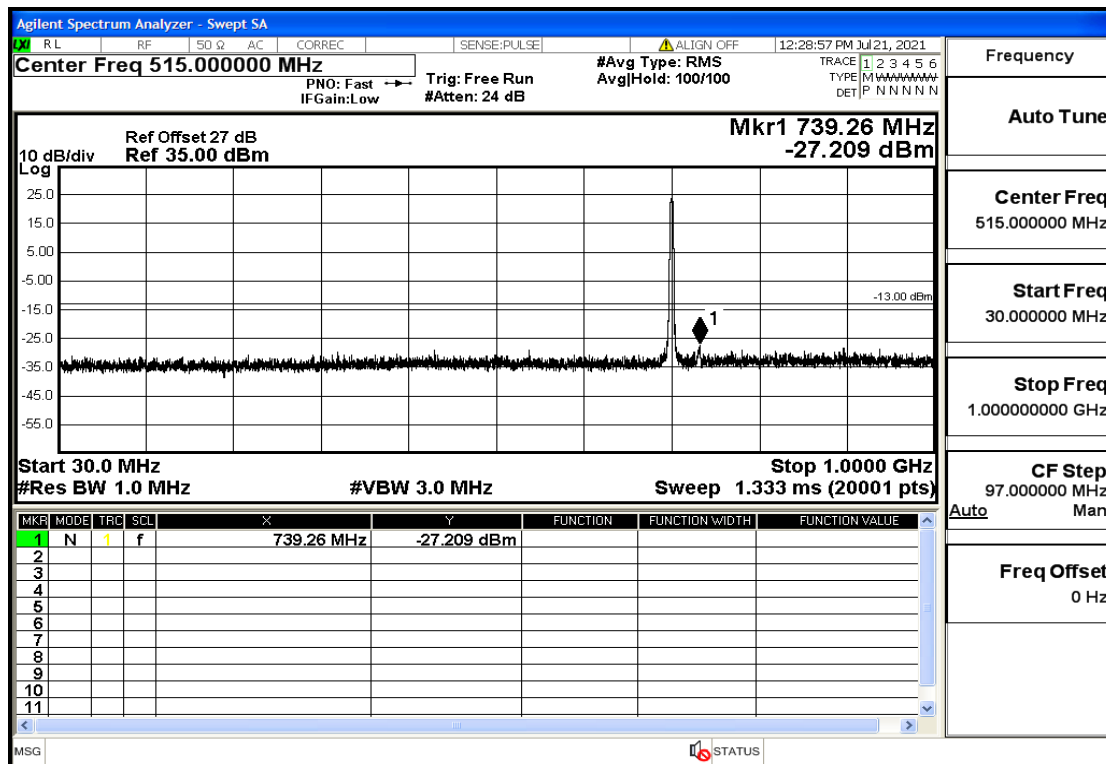
OB12-3-700.5-QPSK-1#HIGH@30mHz-1GHz@Pass



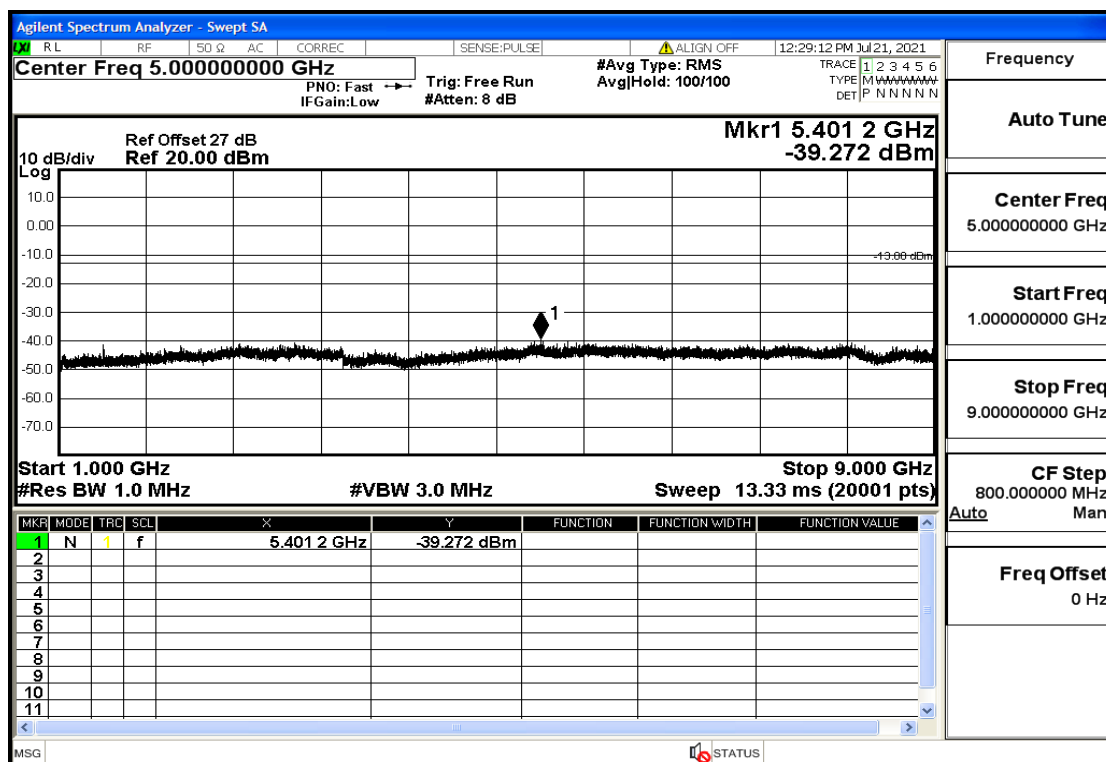
OB12-3-700.5-QPSK-1#HIGH@1GHz-9GHz@Pass



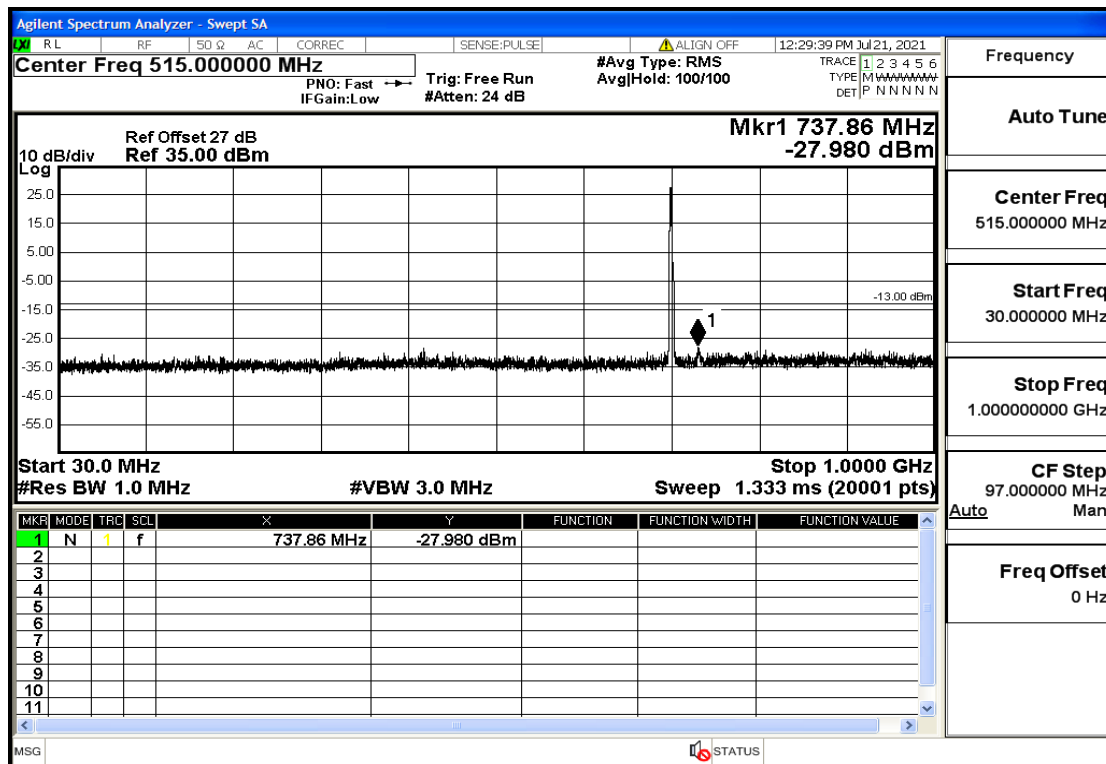
OB12-3-707.5-QPSK-15#LOW@30mHz-1GHz@Pass



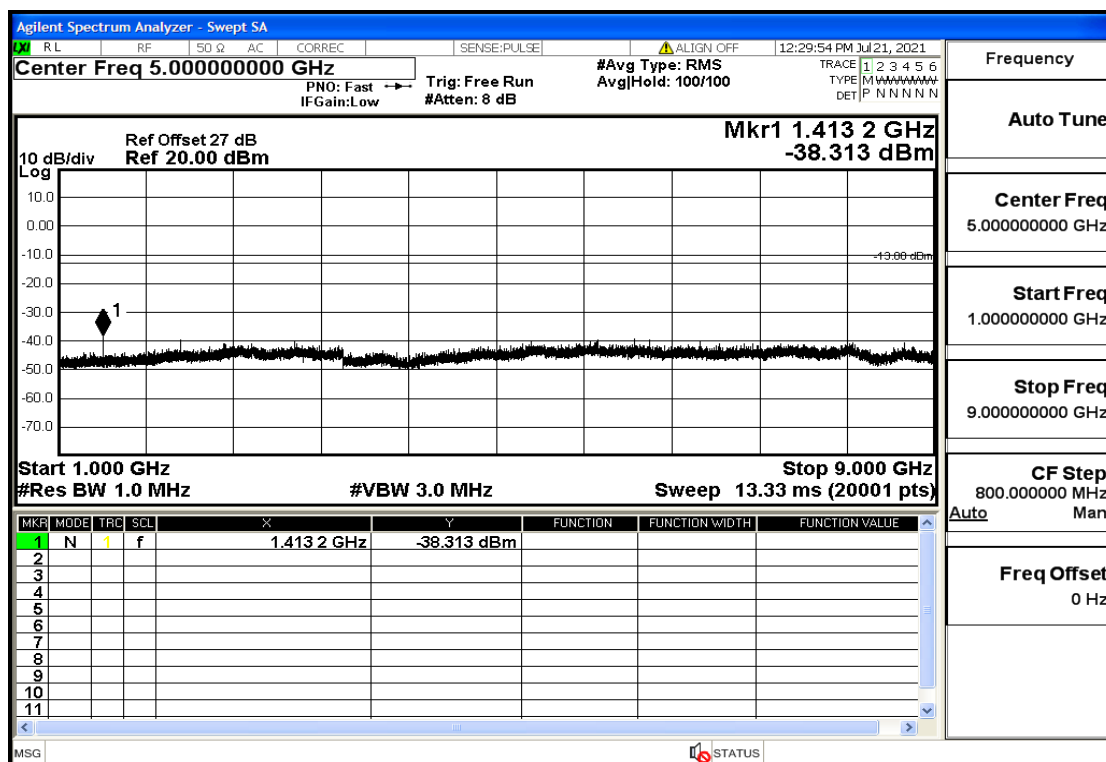
OB12-3-707.5-QPSK-15#LOW@1GHz-9GHz@Pass



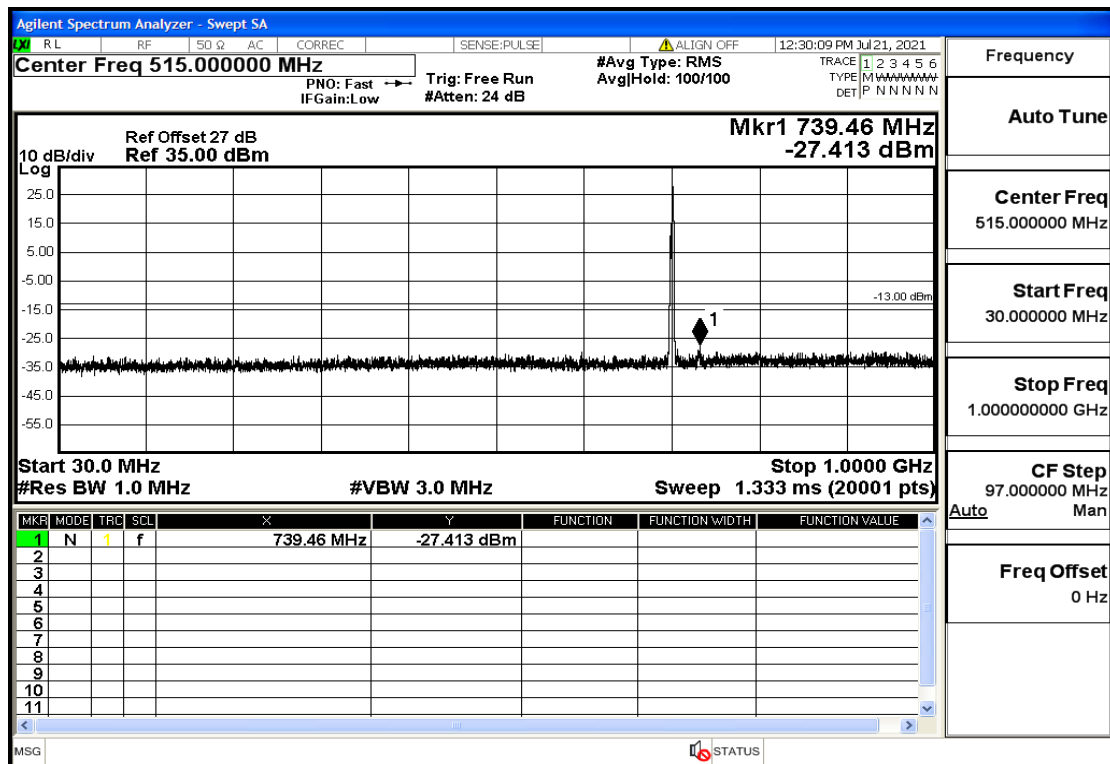
OB12-3-707.5-QPSK-1#LOW@30mHz-1GHz@Pass



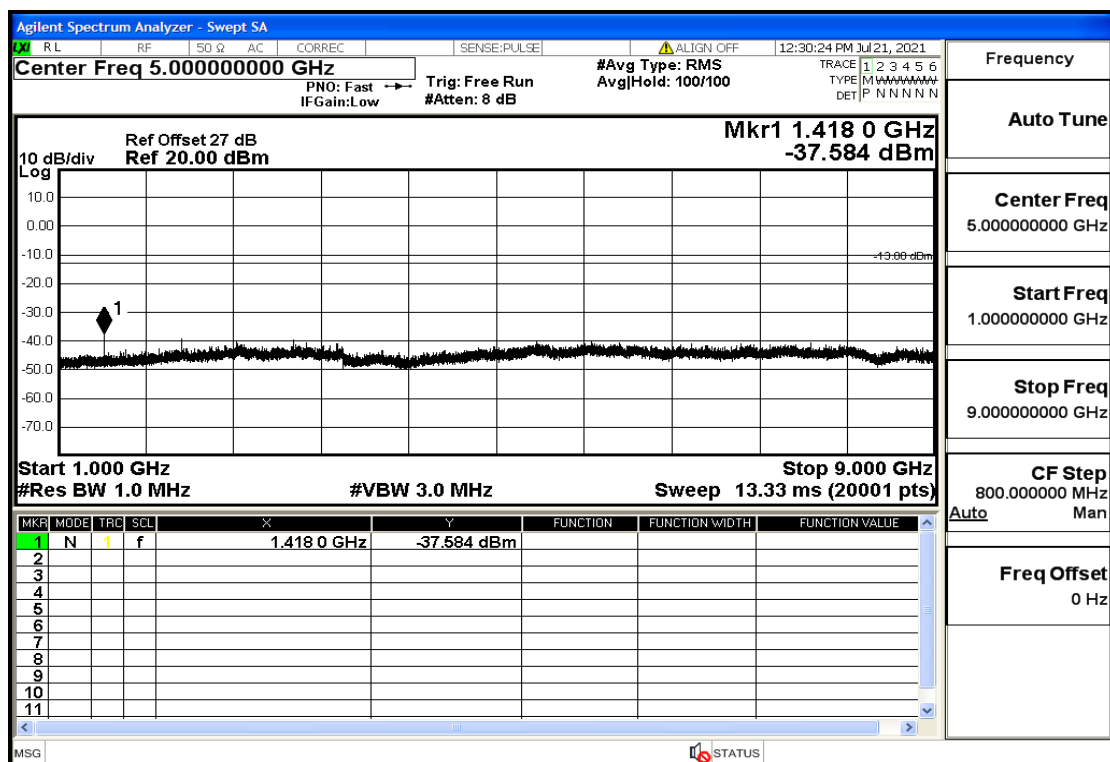
OB12-3-707.5-QPSK-1#LOW@1GHz-9GHz@Pass



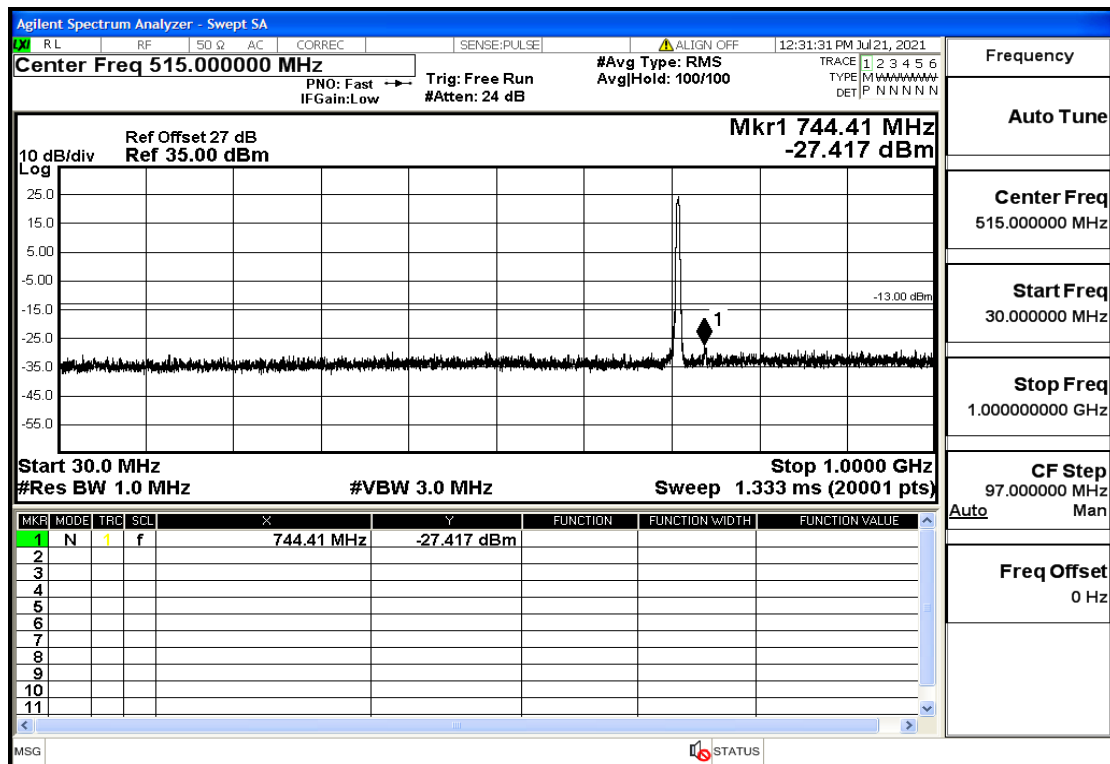
OB12-3-707.5-QPSK-1#HIGH@30mHz-1GHz@Pass



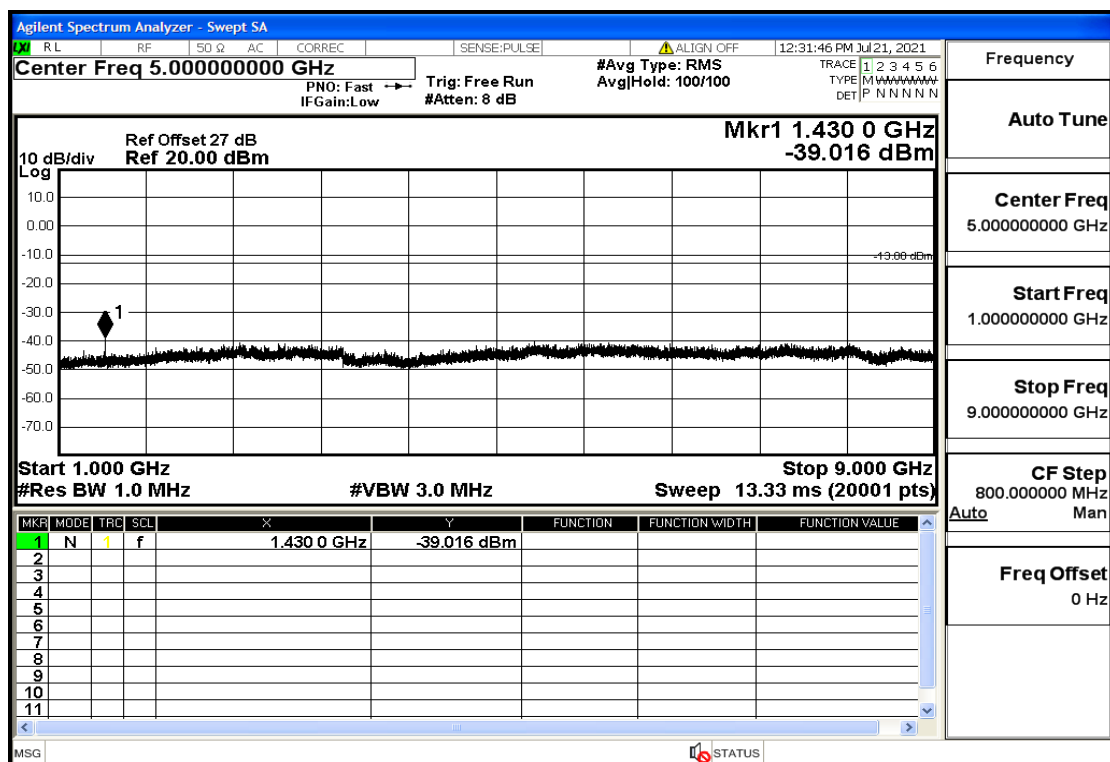
OB12-3-707.5-QPSK-1#HIGH@1GHz-9GHz@Pass



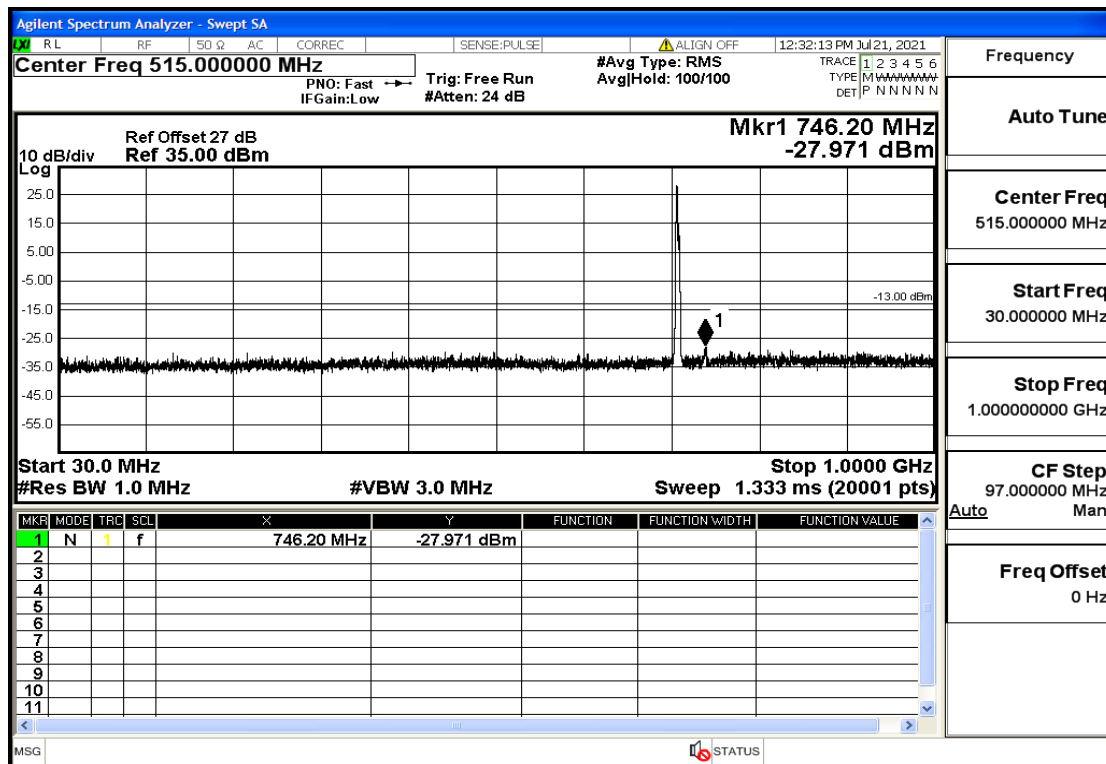
OB12-3-714.5-QPSK-15#LOW@30mHz-1GHz@Pass



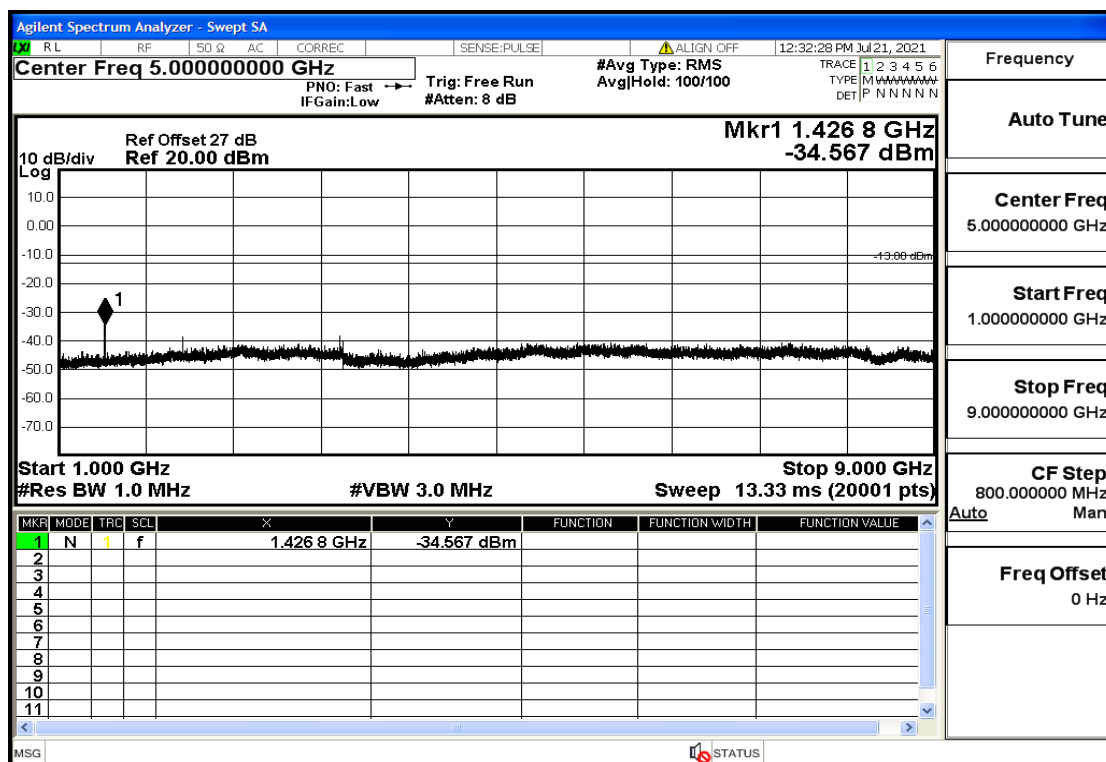
OB12-3-714.5-QPSK-15#LOW@1GHz-9GHz@Pass



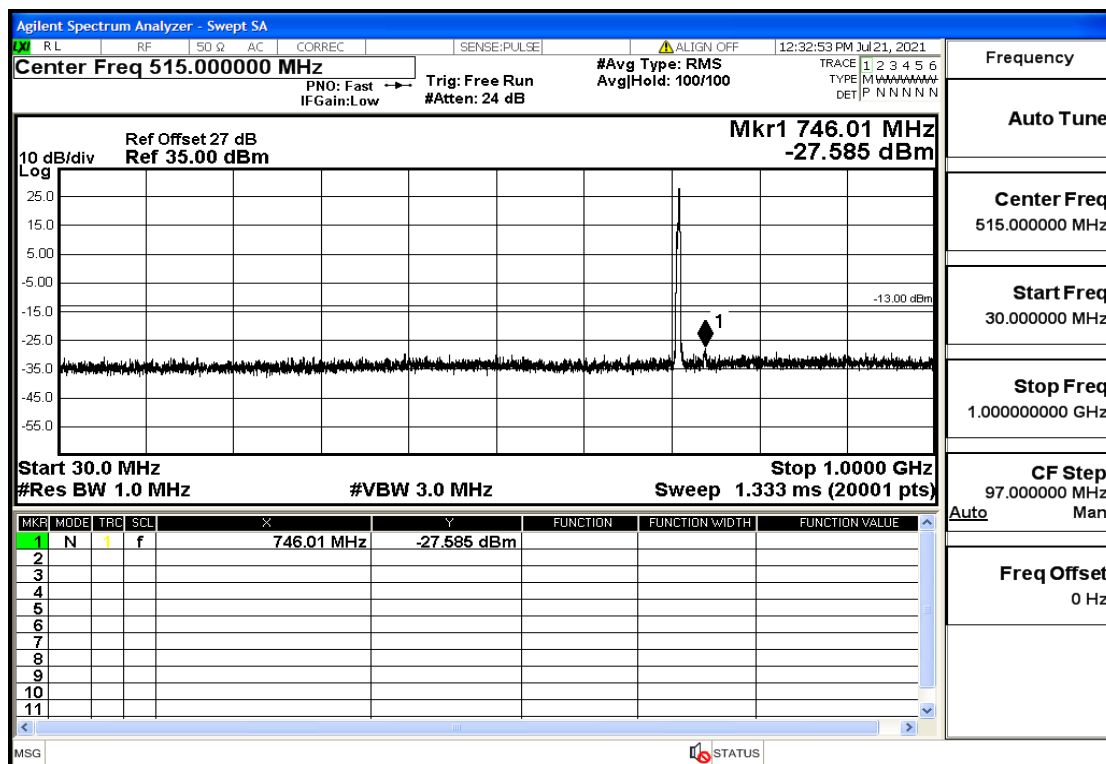
OB12-3-714.5-QPSK-1#LOW@30mHz-1GHz@Pass



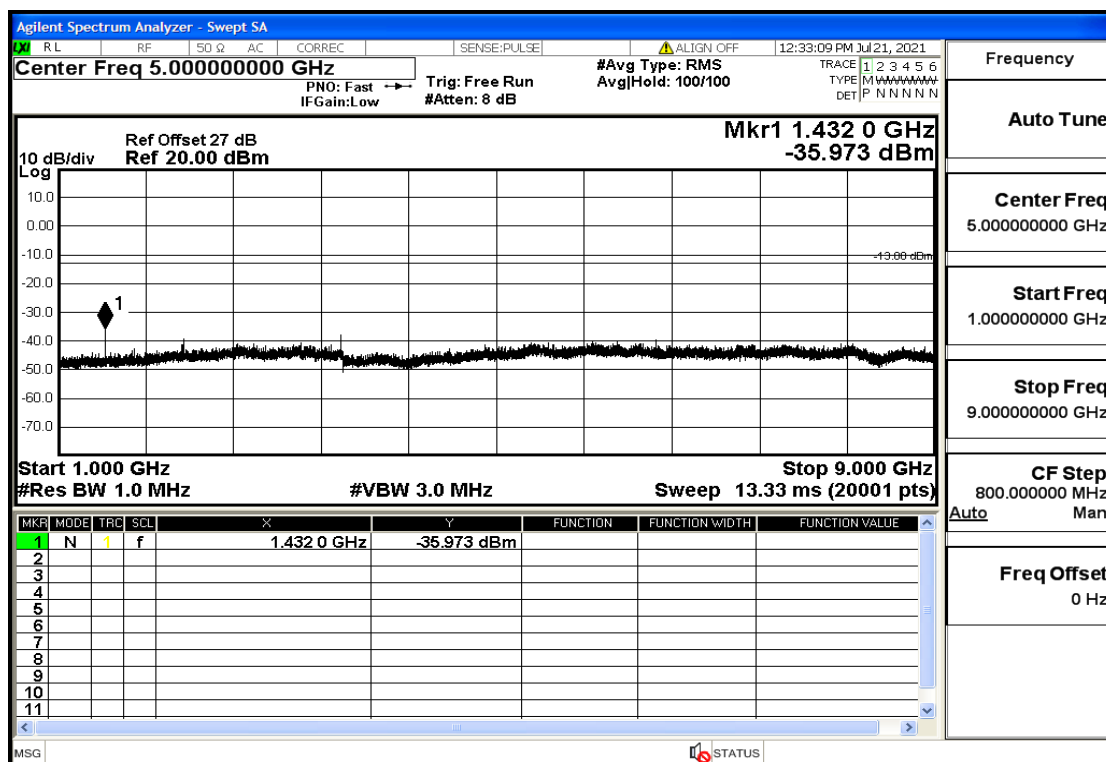
OB12-3-714.5-QPSK-1#LOW@1GHz-9GHz@Pass



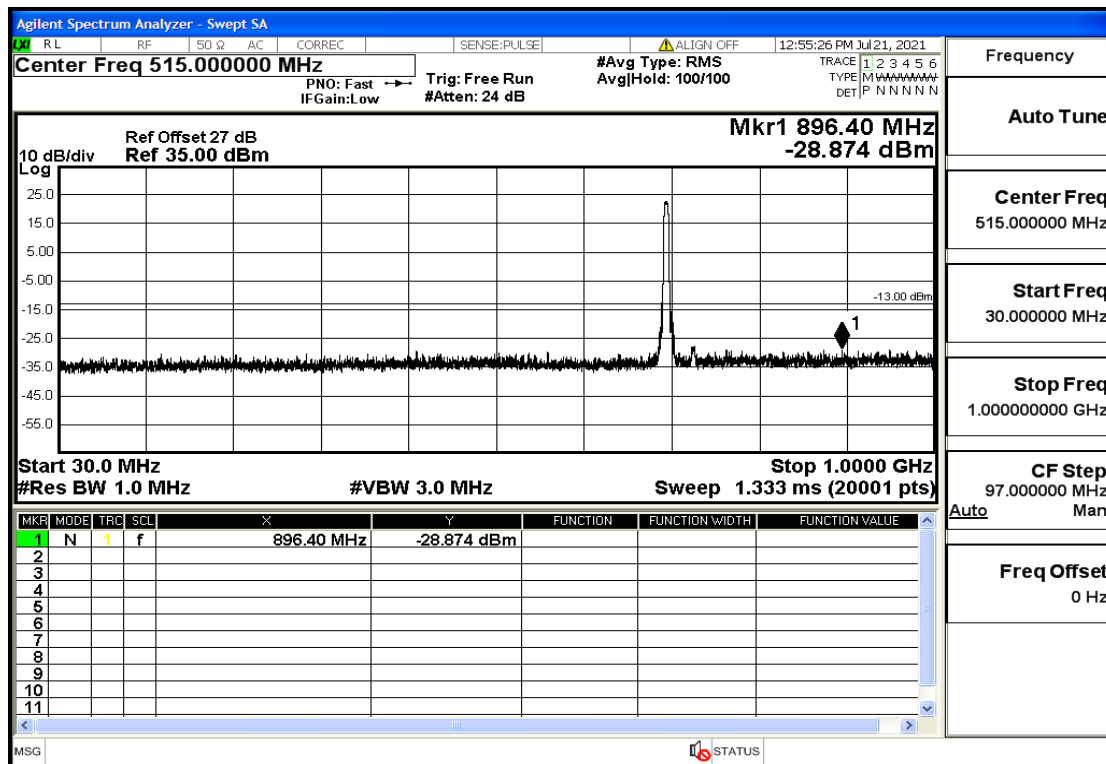
OB12-3-714.5-QPSK-1#HIGH@30mHz-1GHz@Pass



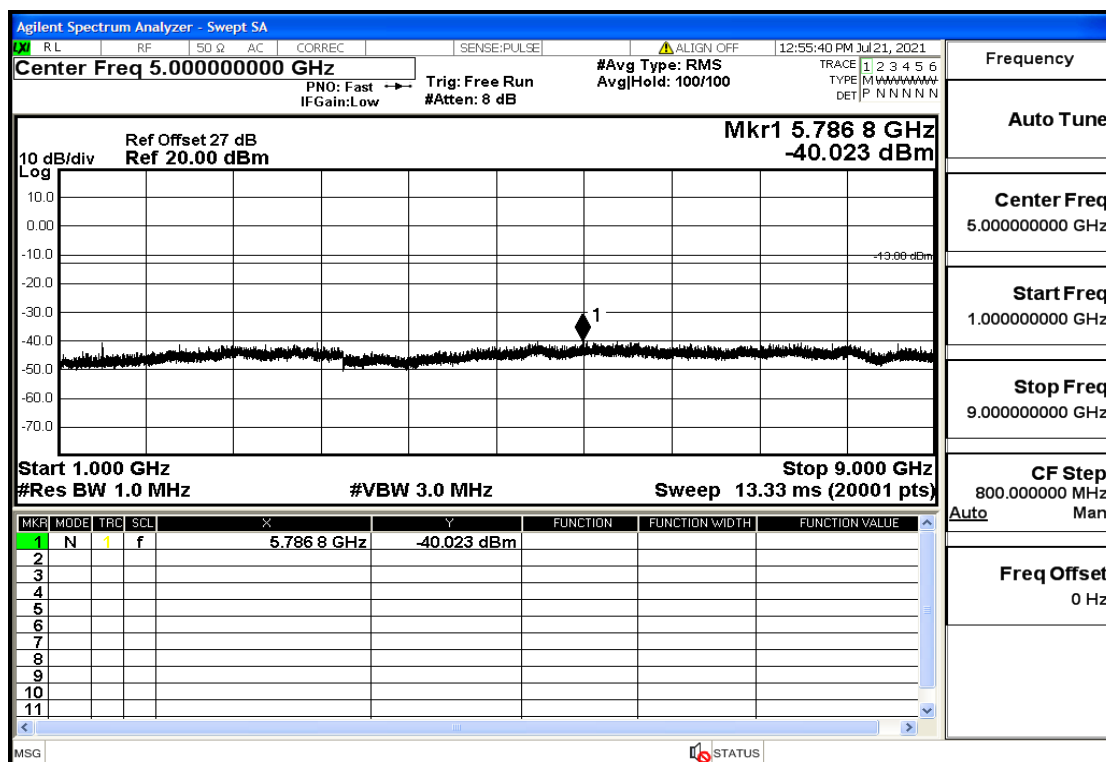
OB12-3-714.5-QPSK-1#HIGH@1GHz-9GHz@Pass



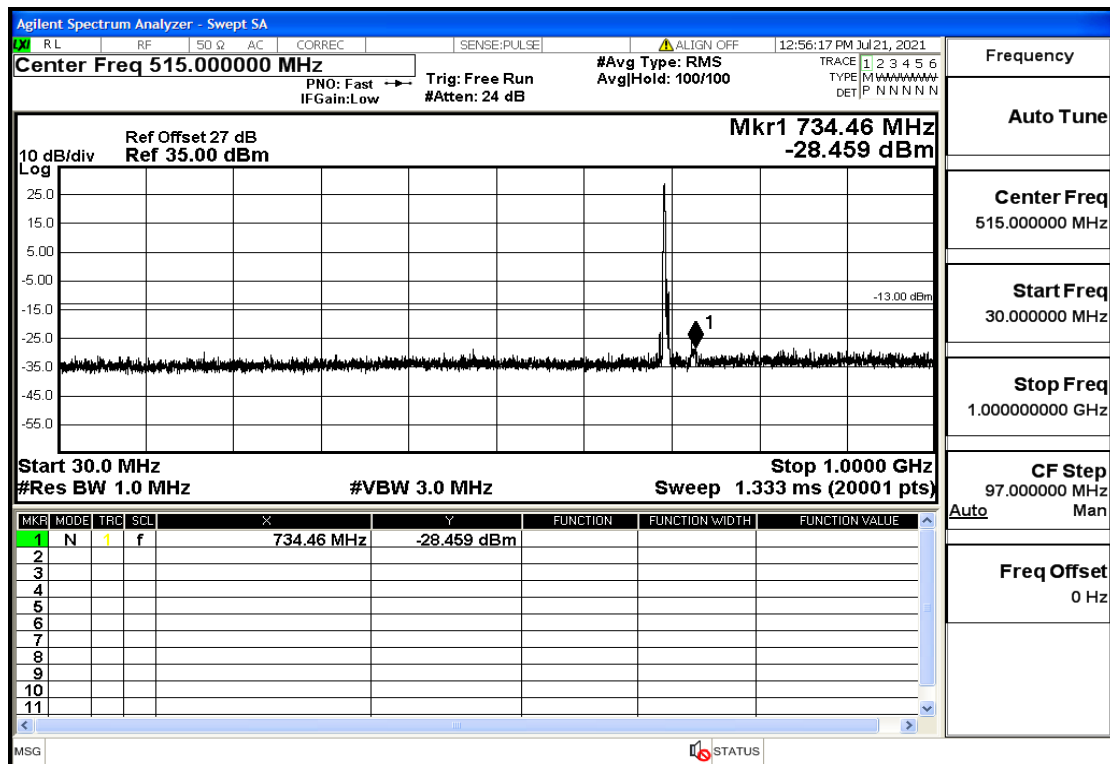
OB12-5-701.5-QPSK-25#LOW@30MHz-1GHz@Pass



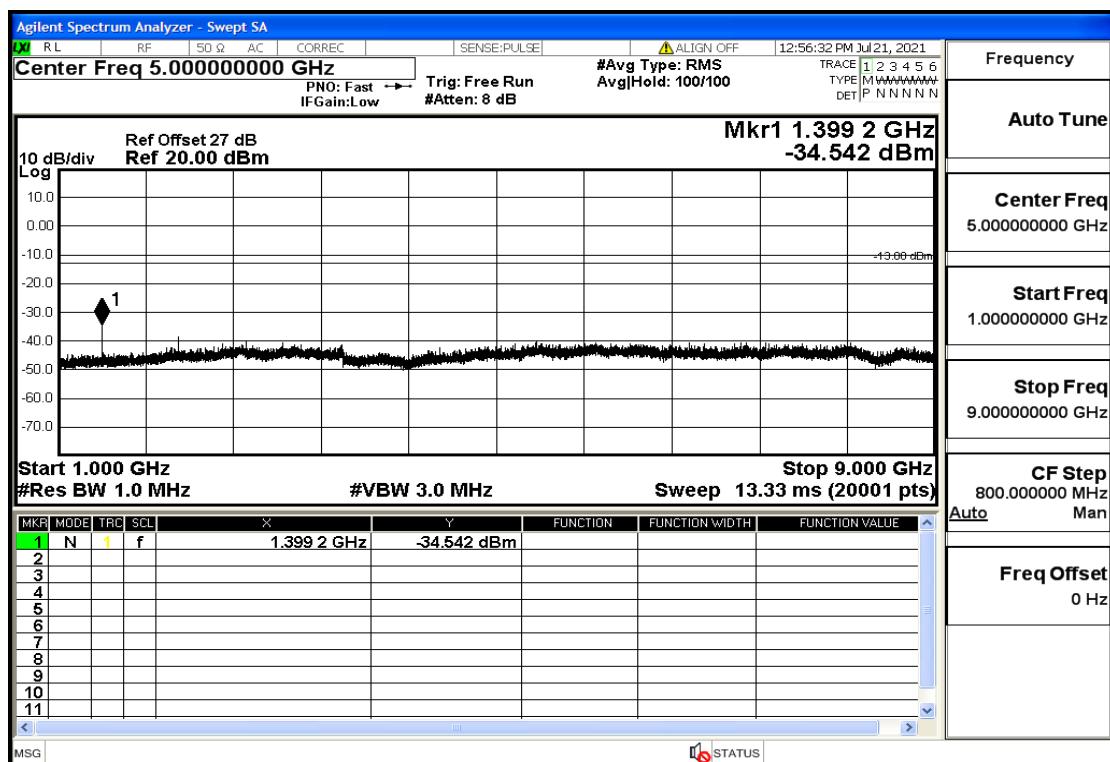
OB12-5-701.5-QPSK-25#LOW@1GHz-9GHz@Pass



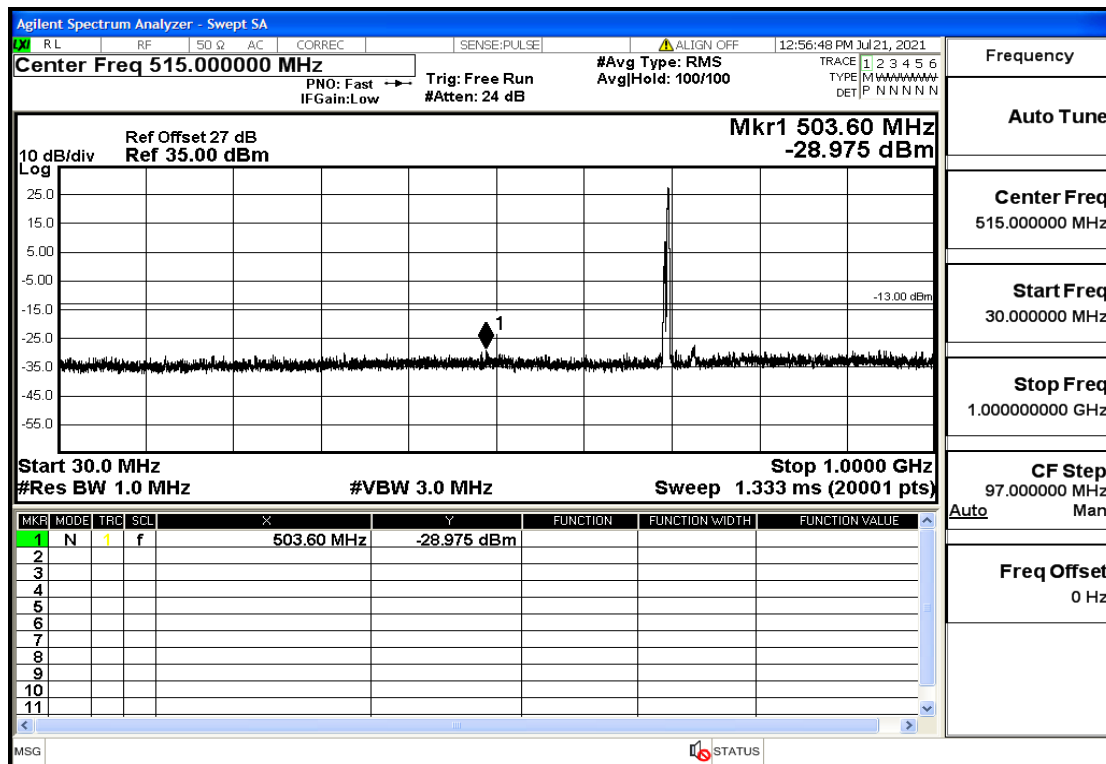
OB12-5-701.5-QPSK-1#LOW@30mHz-1GHz@Pass



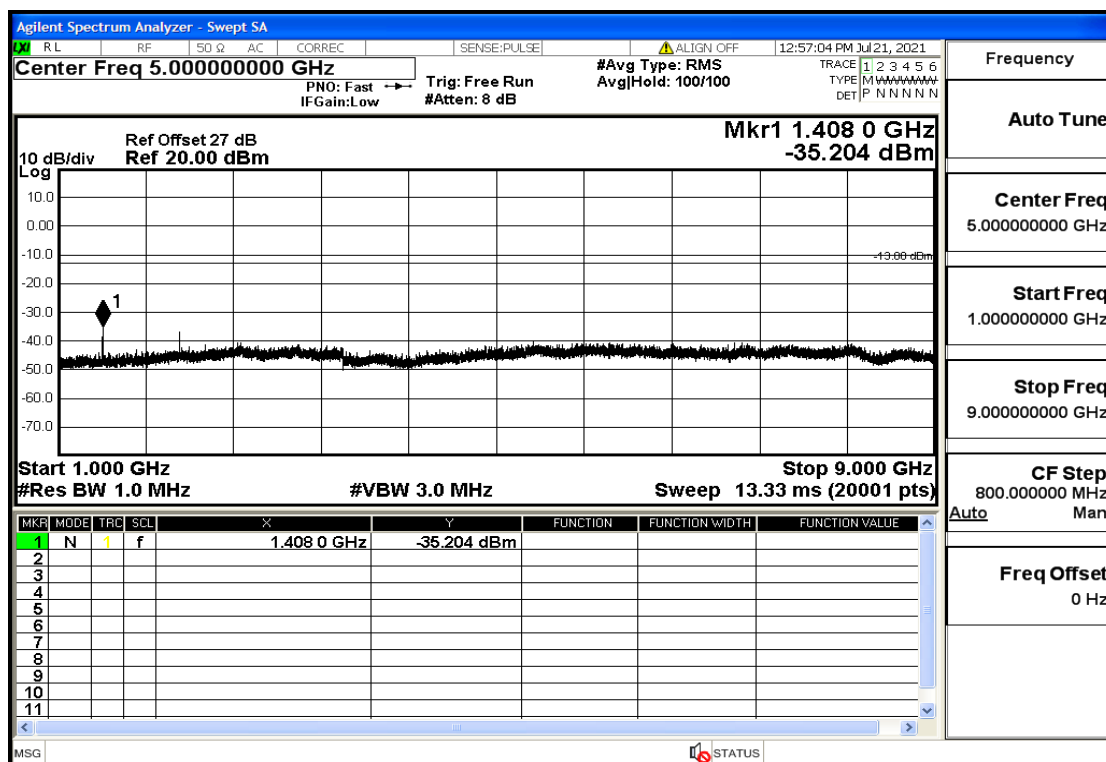
OB12-5-701.5-QPSK-1#LOW@1GHz-9GHz@Pass



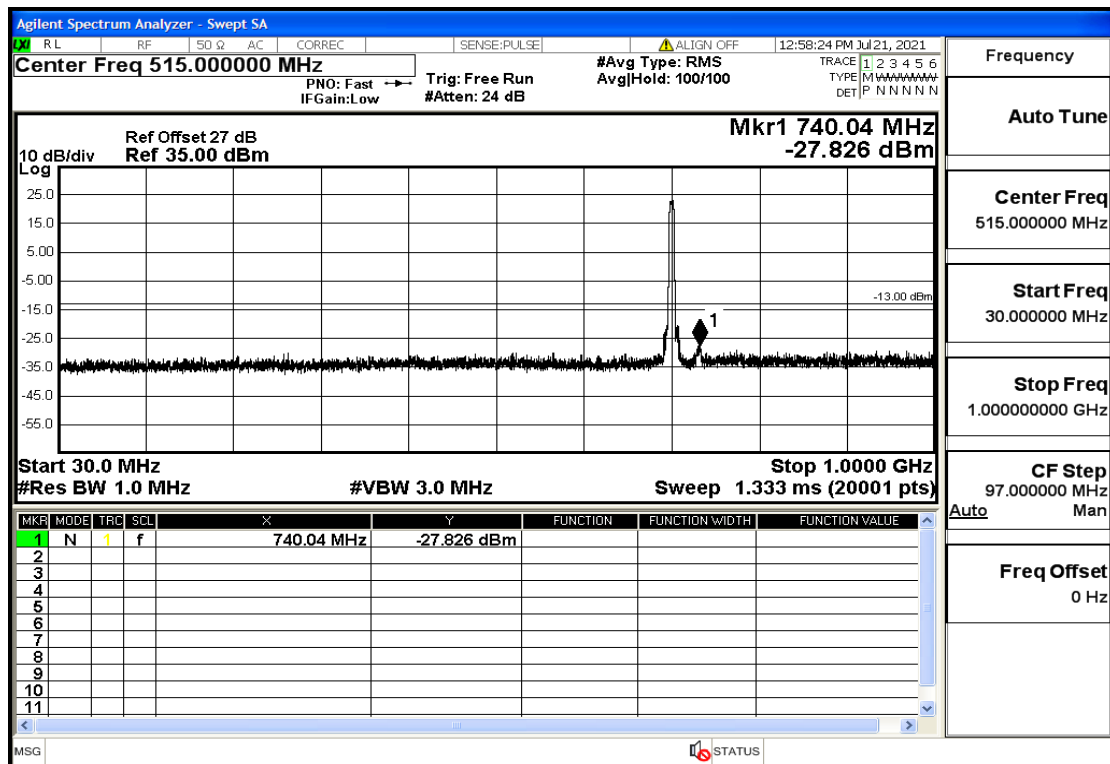
OB12-5-701.5-QPSK-1#HIGH@30mHz-1GHz@Pass



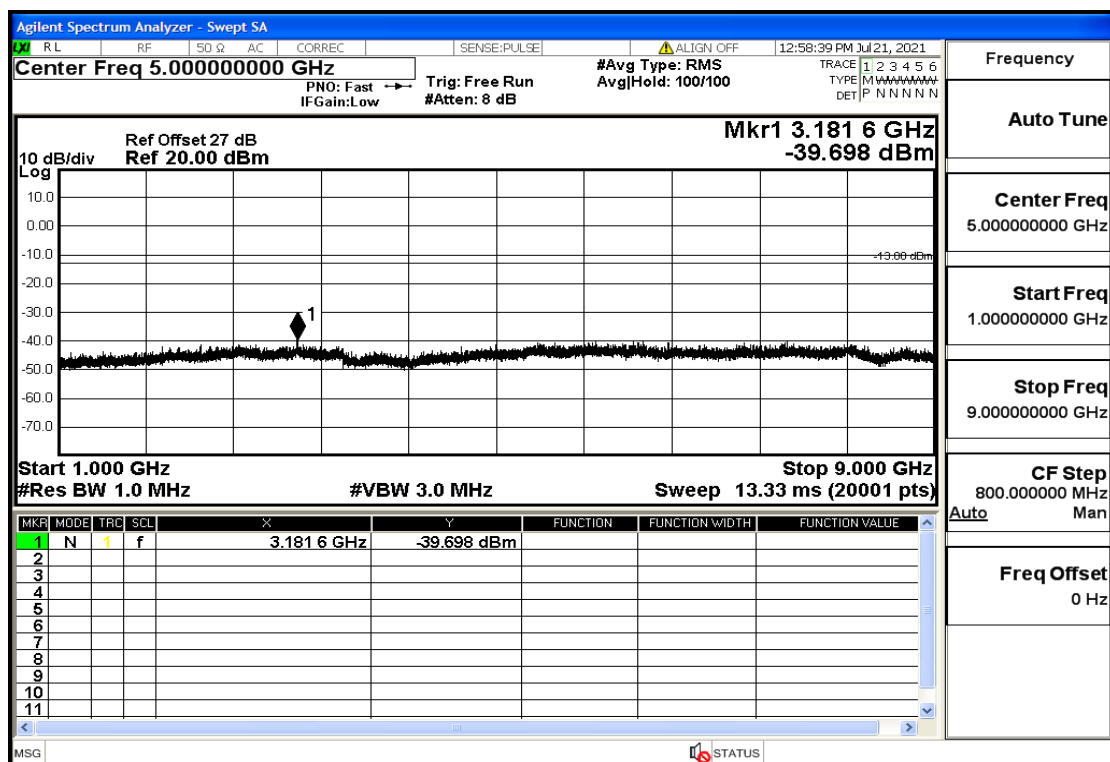
OB12-5-701.5-QPSK-1#HIGH@1GHz-9GHz@Pass



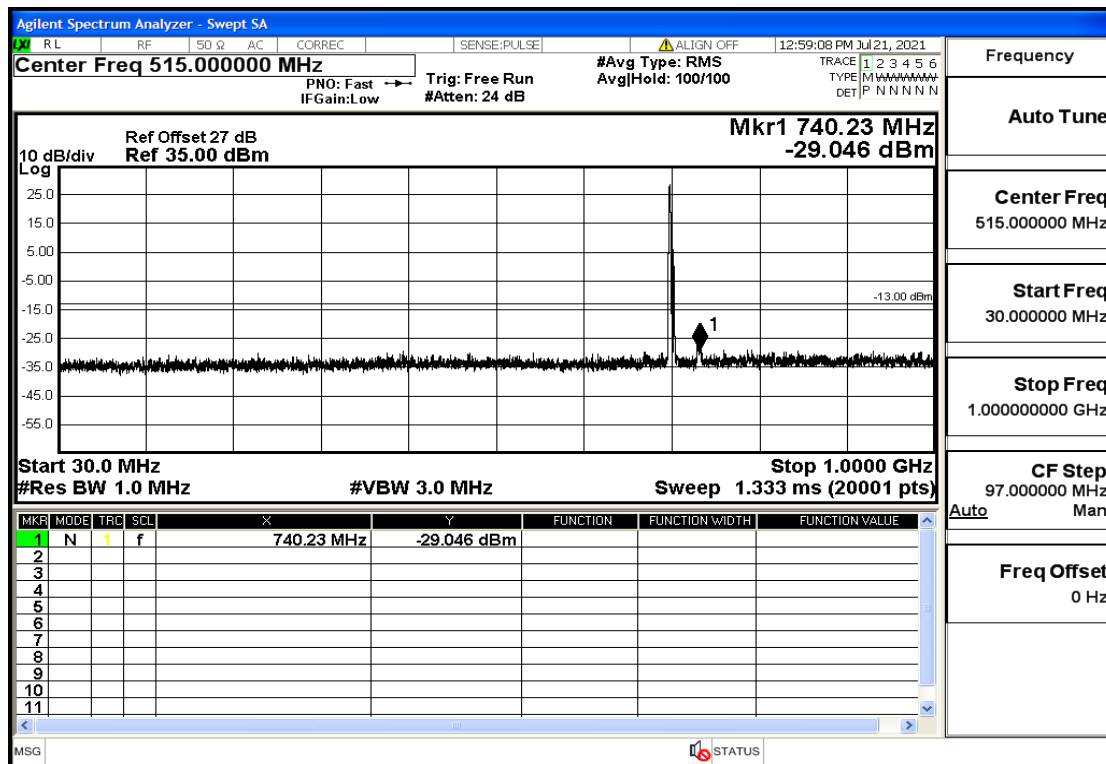
OB12-5-707.5-QPSK-25#LOW@30MHz-1GHz@Pass



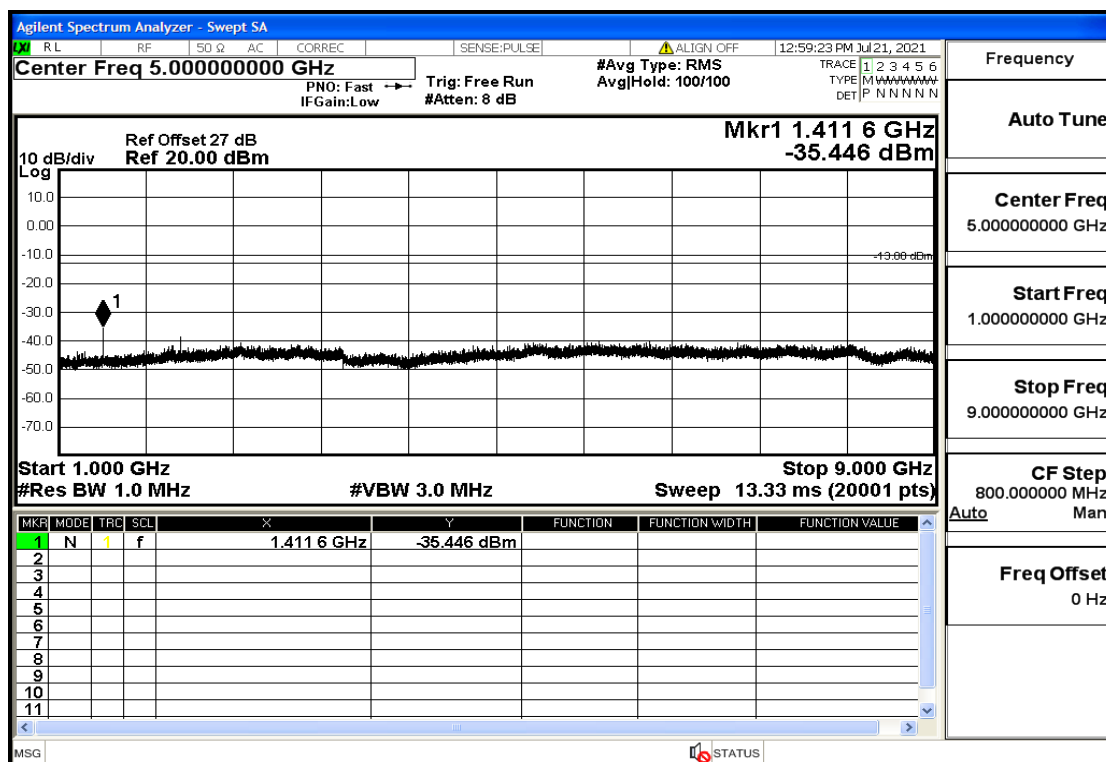
OB12-5-707.5-QPSK-25#LOW@1GHz-9GHz@Pass



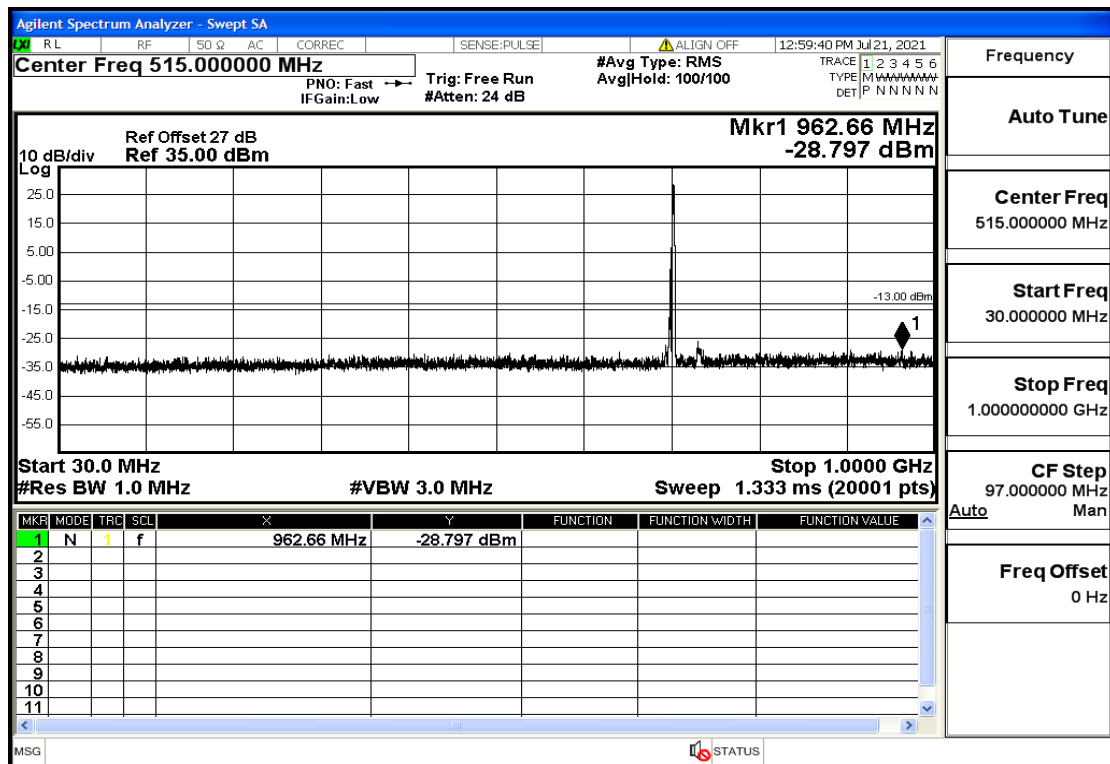
OB12-5-707.5-QPSK-1#LOW@30mHz-1GHz@Pass



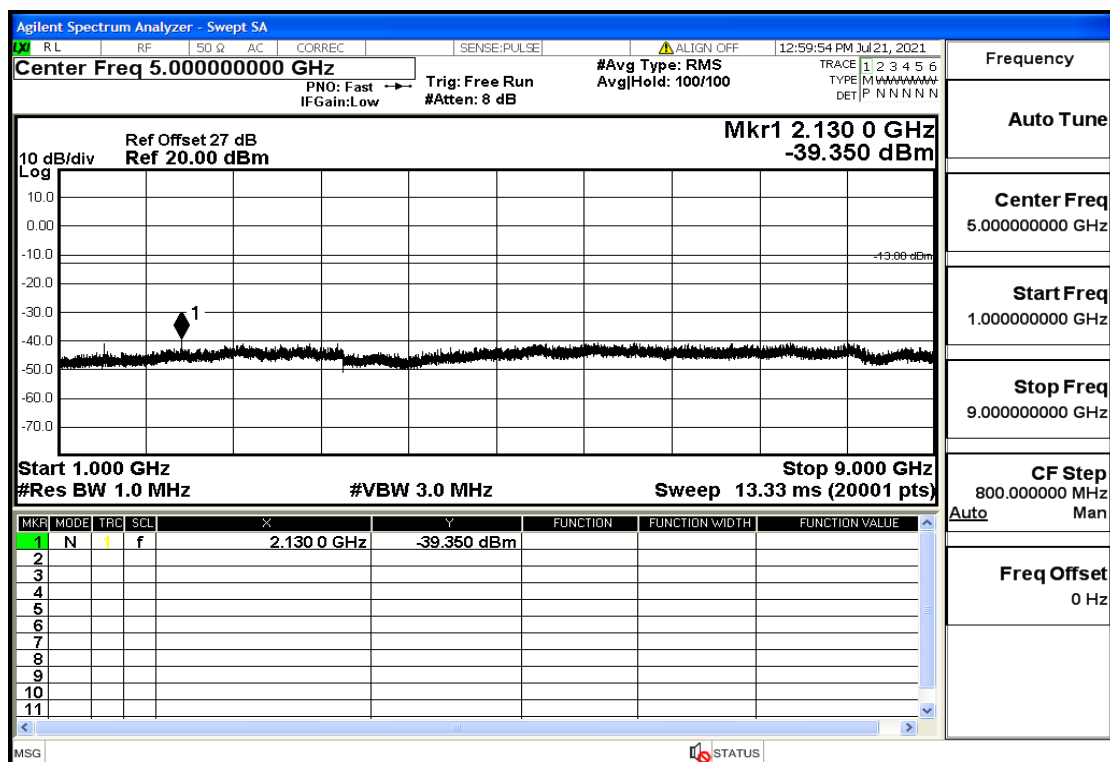
OB12-5-707.5-QPSK-1#LOW@1GHz-9GHz@Pass



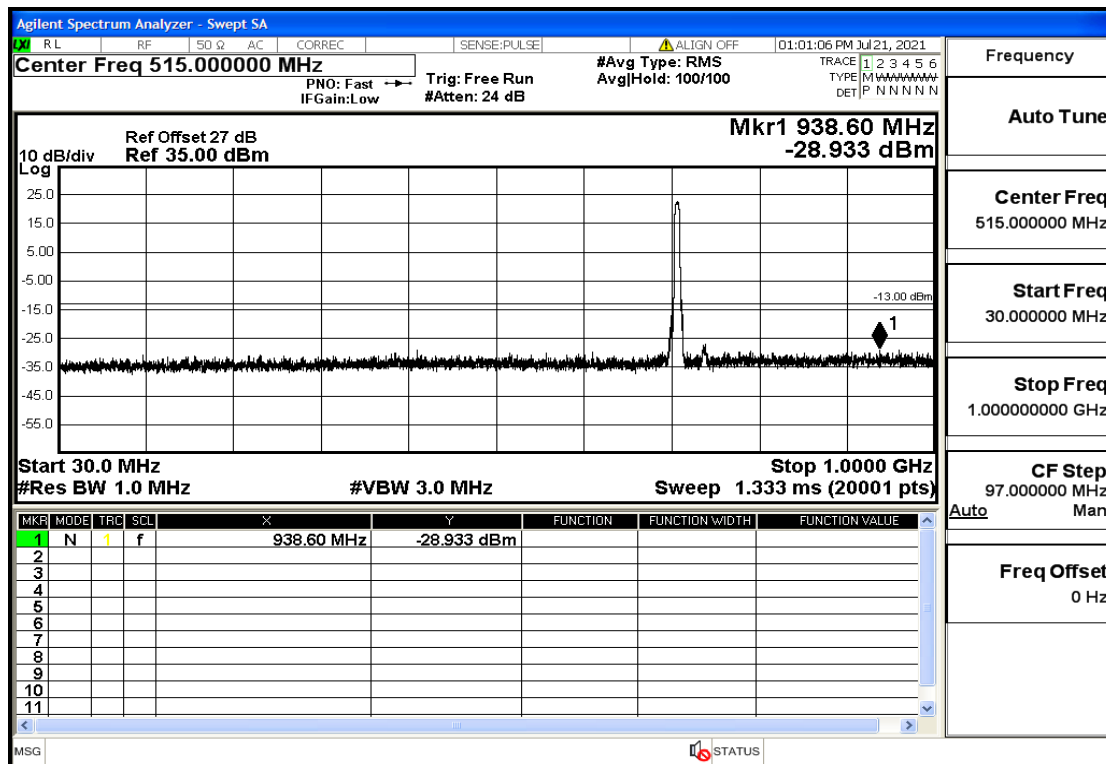
OB12-5-707.5-QPSK-1#HIGH@30mHz-1GHz@Pass



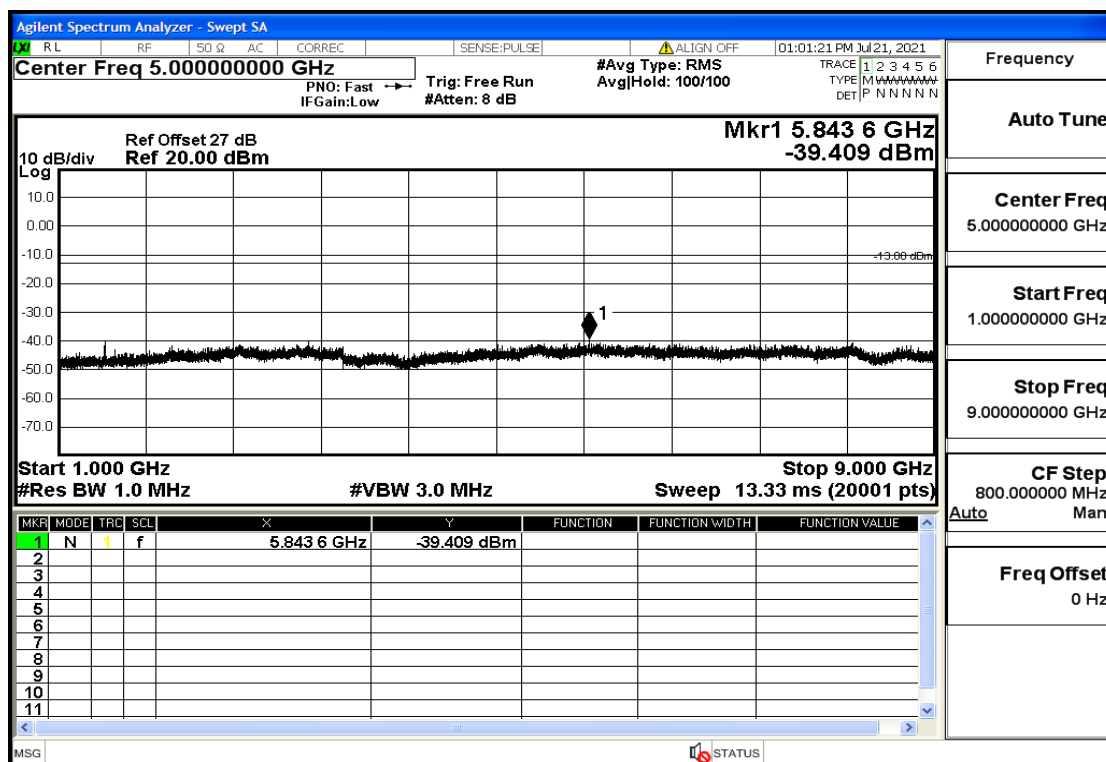
OB12-5-707.5-QPSK-1#HIGH@1GHz-9GHz@Pass



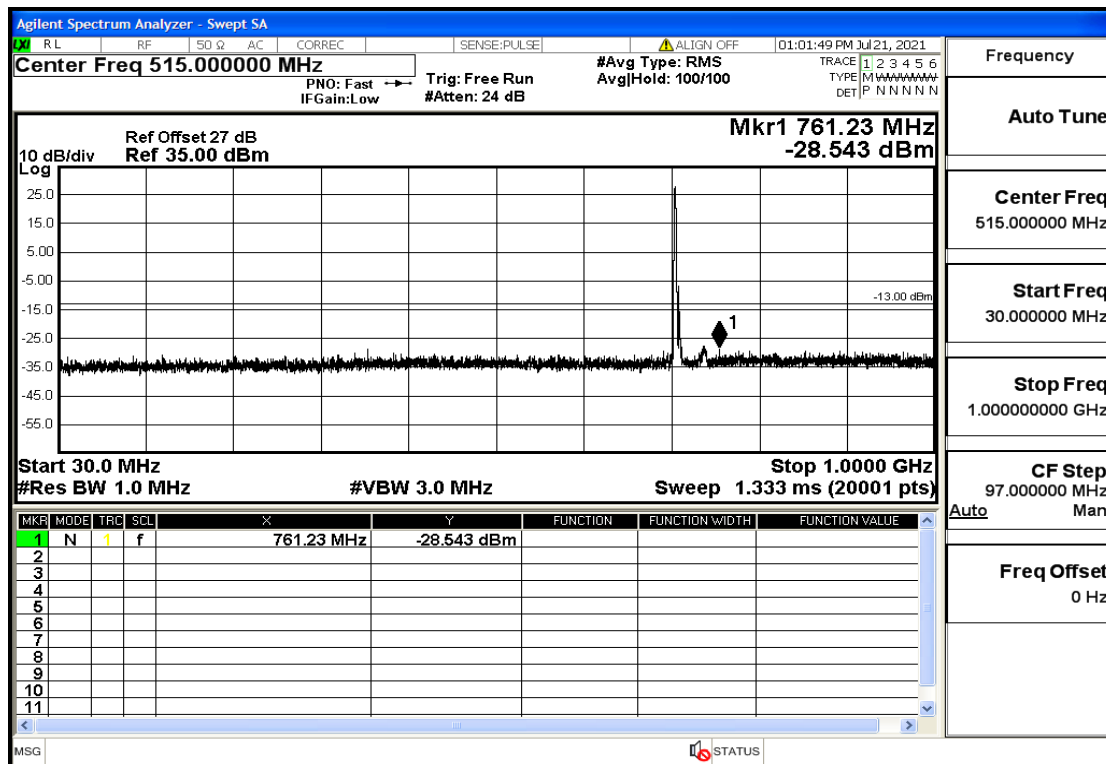
OB12-5-713.5-QPSK-25#LOW@30MHz-1GHz@Pass



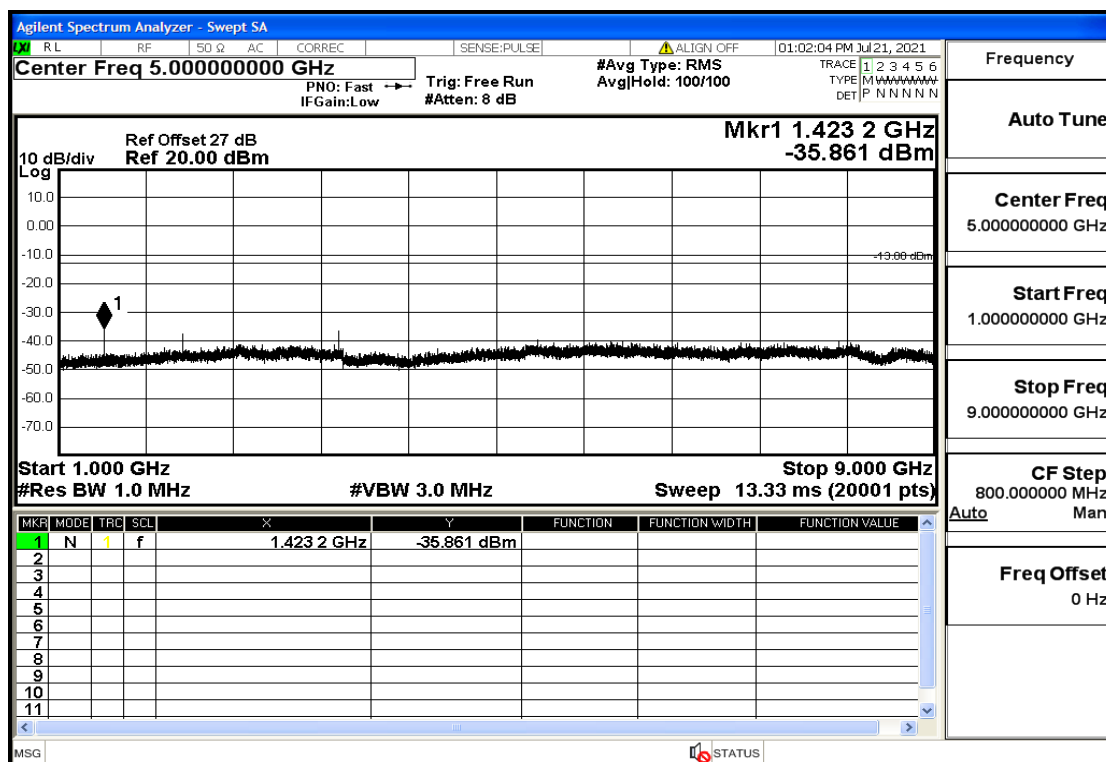
OB12-5-713.5-QPSK-25#LOW@1GHz-9GHz@Pass



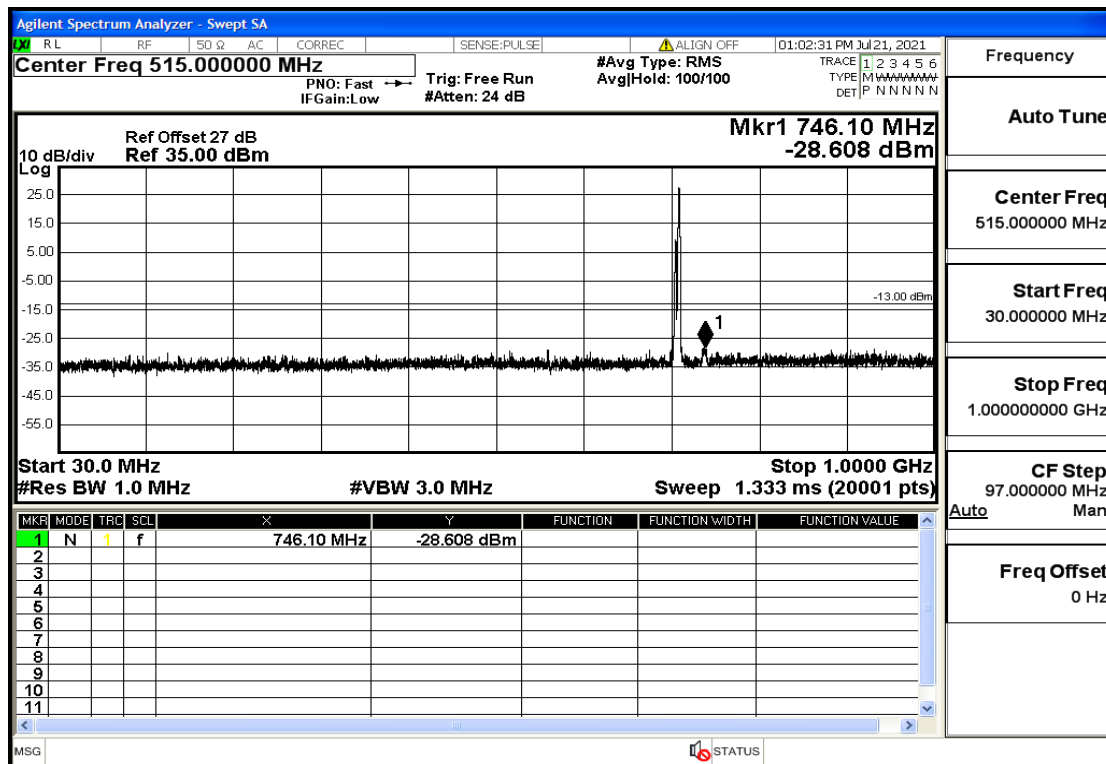
OB12-5-713.5-QPSK-1#LOW@30mHz-1GHz@Pass



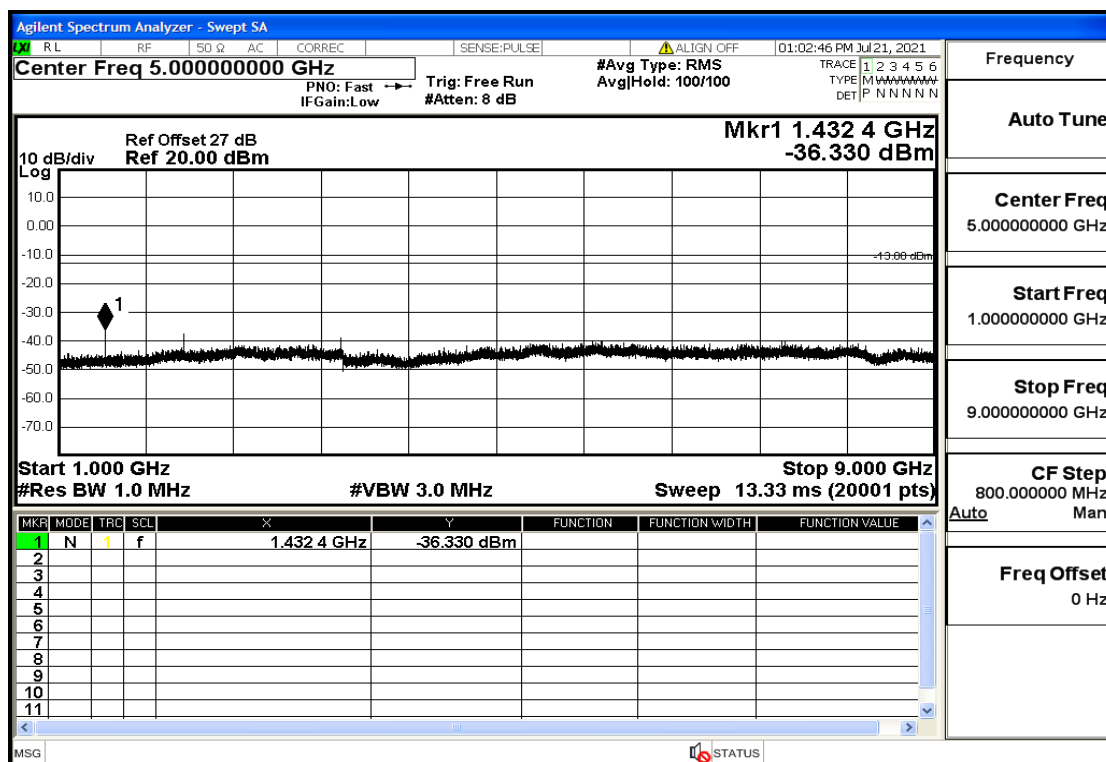
OB12-5-713.5-QPSK-1#LOW@1GHz-9GHz@Pass



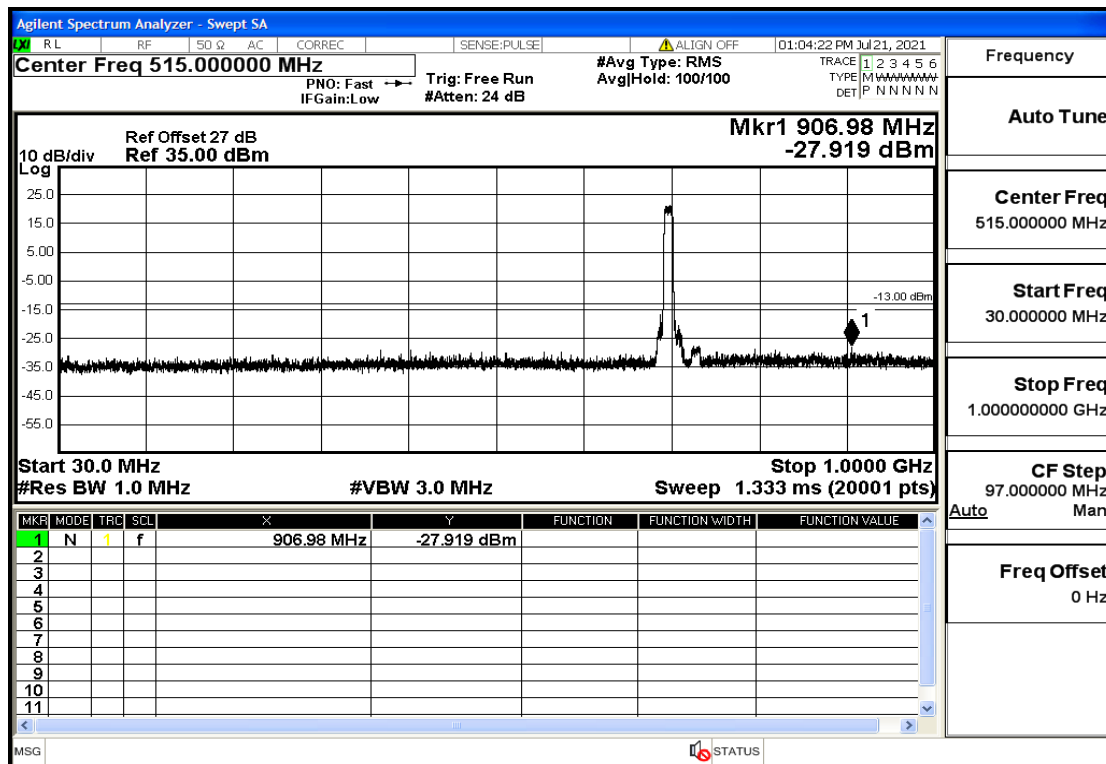
OB12-5-713.5-QPSK-1#HIGH@30mHz-1GHz@Pass



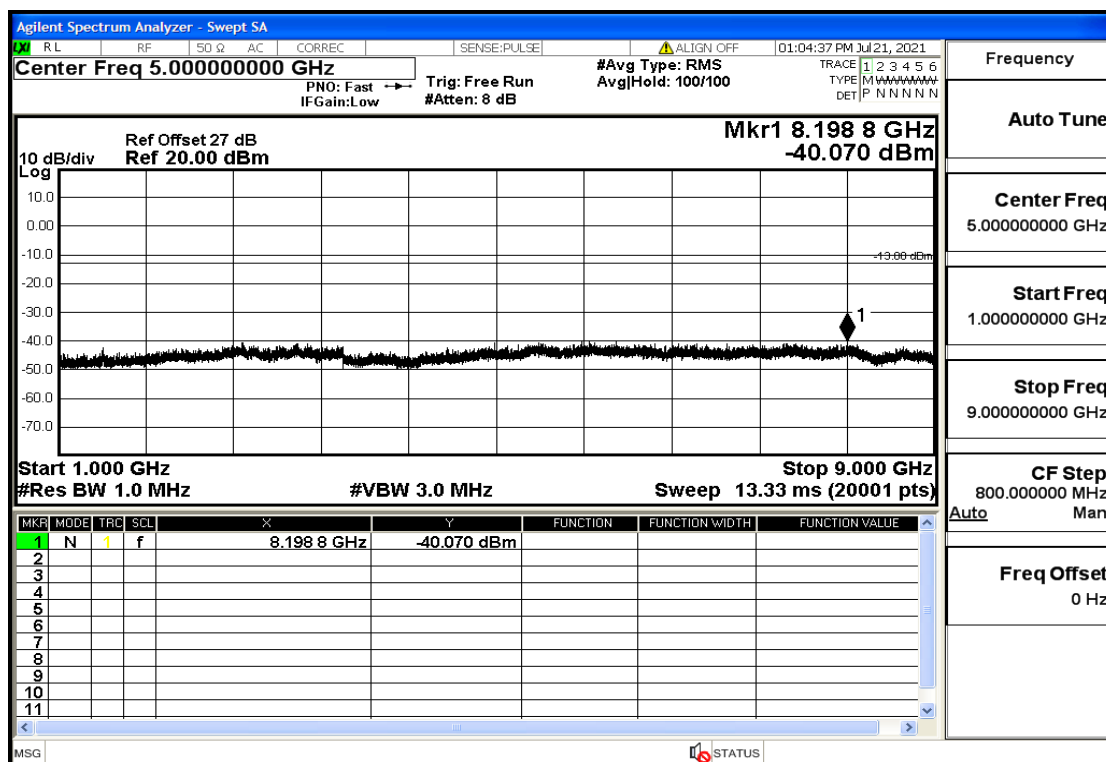
OB12-5-713.5-QPSK-1#HIGH@1GHz-9GHz@Pass



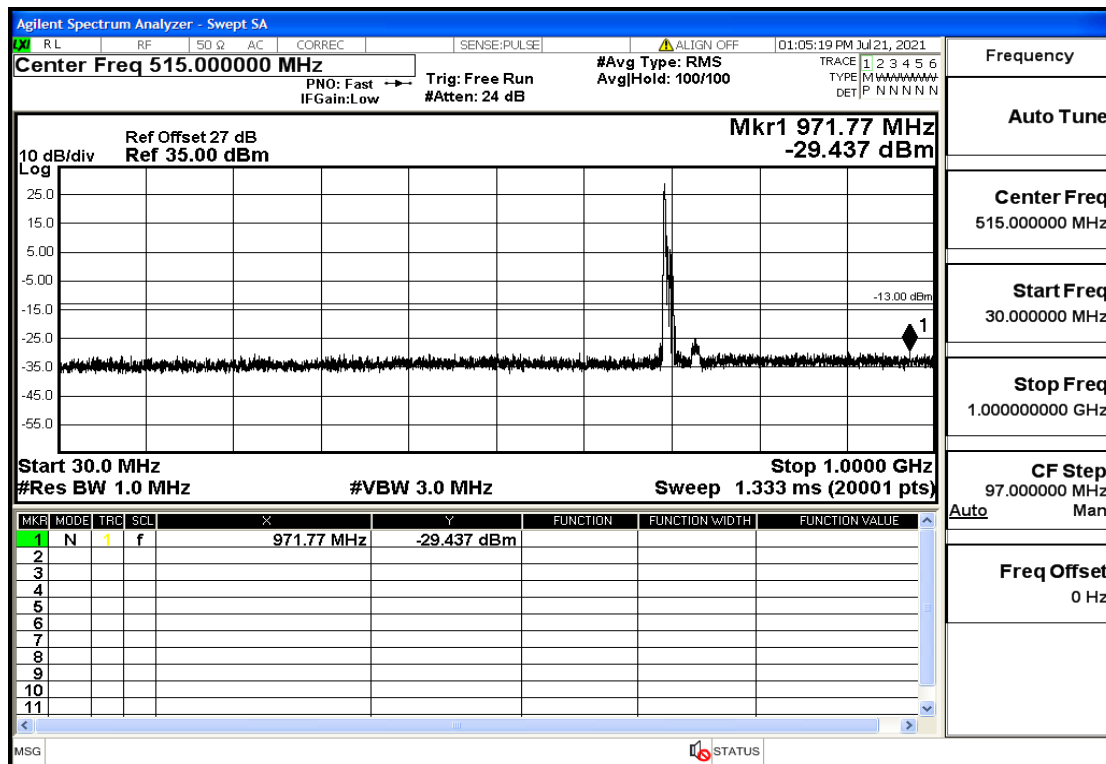
OB12-10-704-QPSK-50#LOW@30mHz-1GHz@Pass



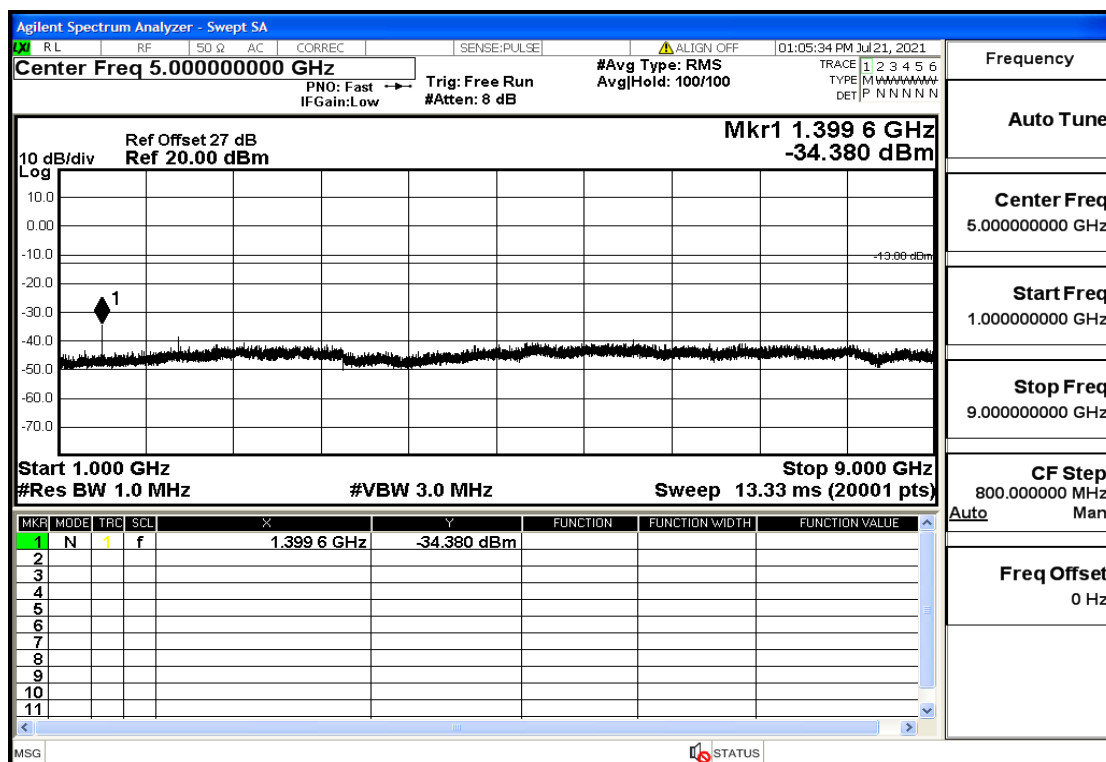
OB12-10-704-QPSK-50#LOW@1GHz-9GHz@Pass



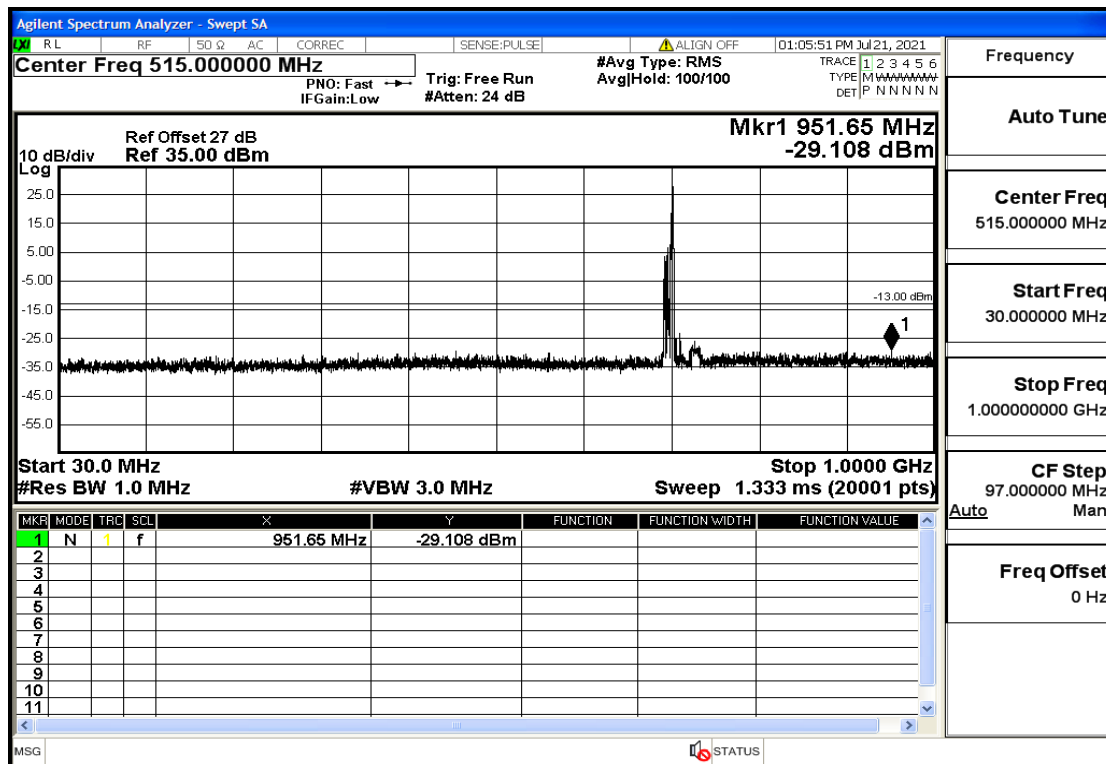
OB12-10-704-QPSK-1#LOW@30mHz-1GHz@Pass



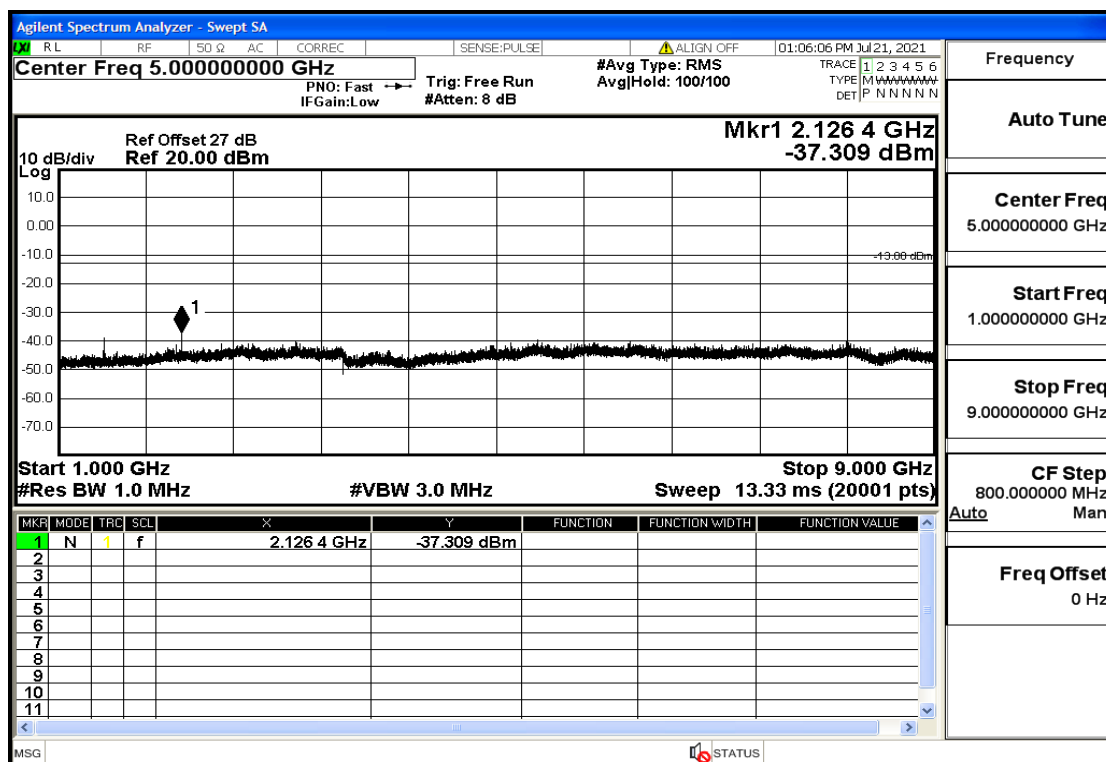
OB12-10-704-QPSK-1#LOW@1GHz-9GHz@Pass



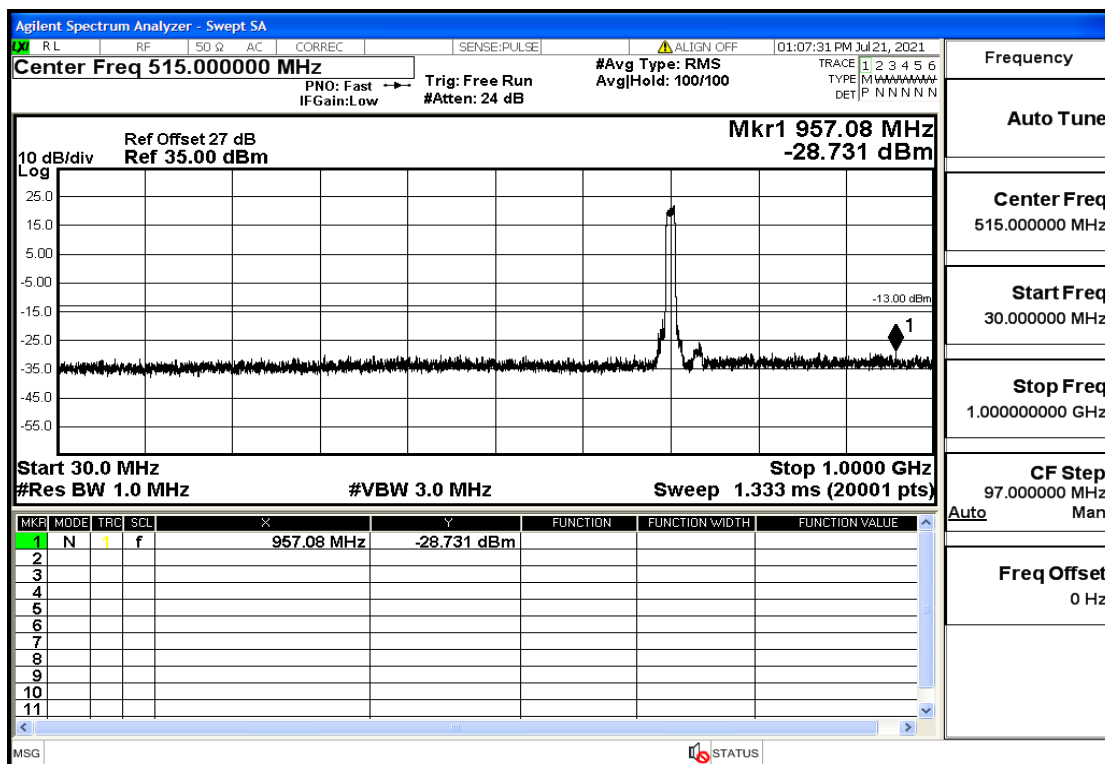
OB12-10-704-QPSK-1#HIGH@30mHz-1GHz@Pass



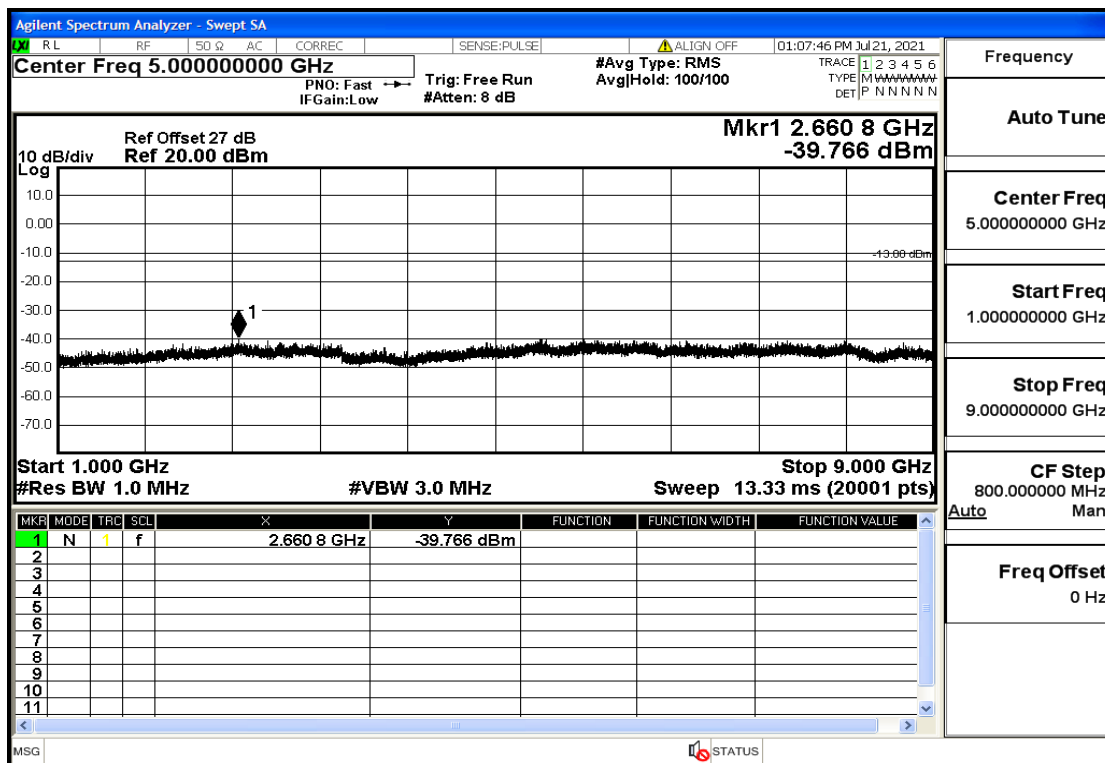
OB12-10-704-QPSK-1#HIGH@1GHz-9GHz@Pass



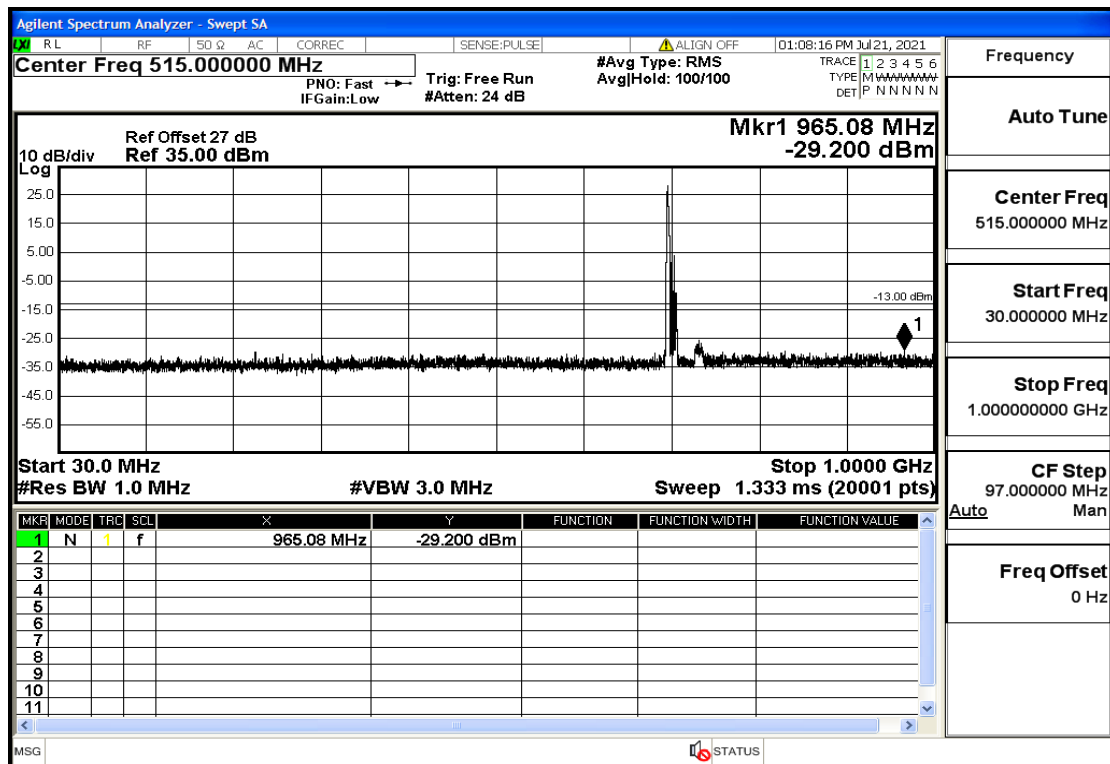
OB12-10-707.5-QPSK-50#LOW@30mHz-1GHz@Pass



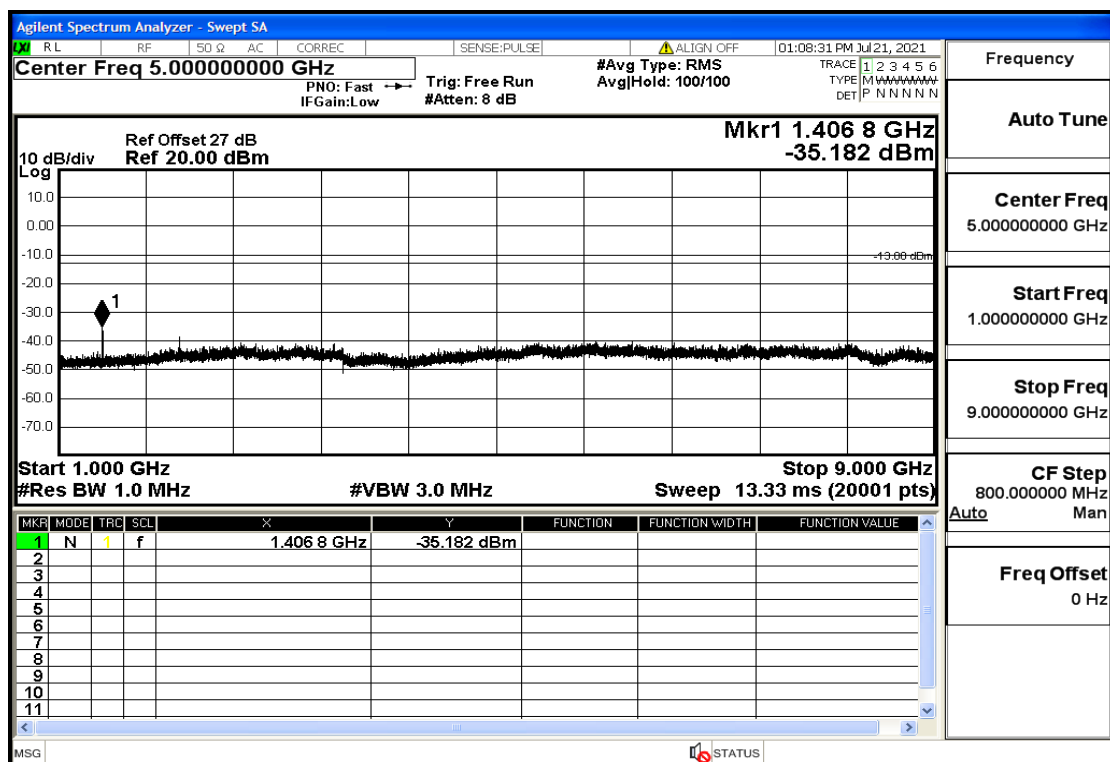
OB12-10-707.5-QPSK-50#LOW@1GHz-9GHz@Pass



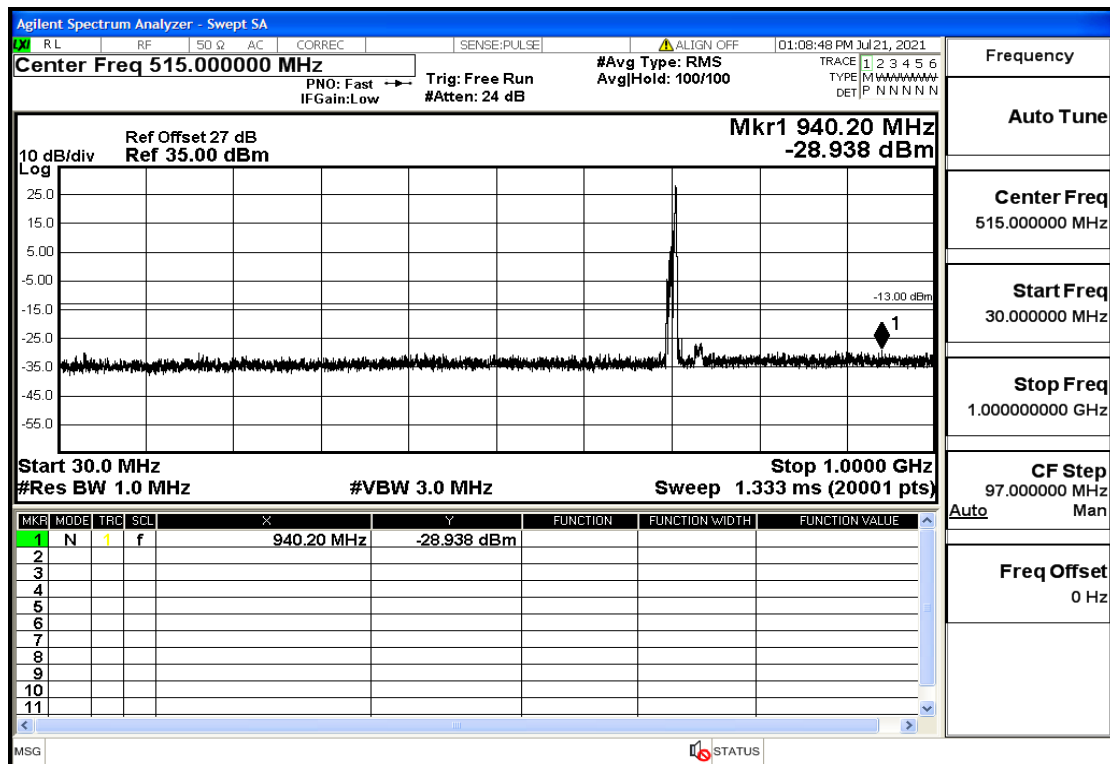
OB12-10-707.5-QPSK-1#LOW@30MHz-1GHz@Pass



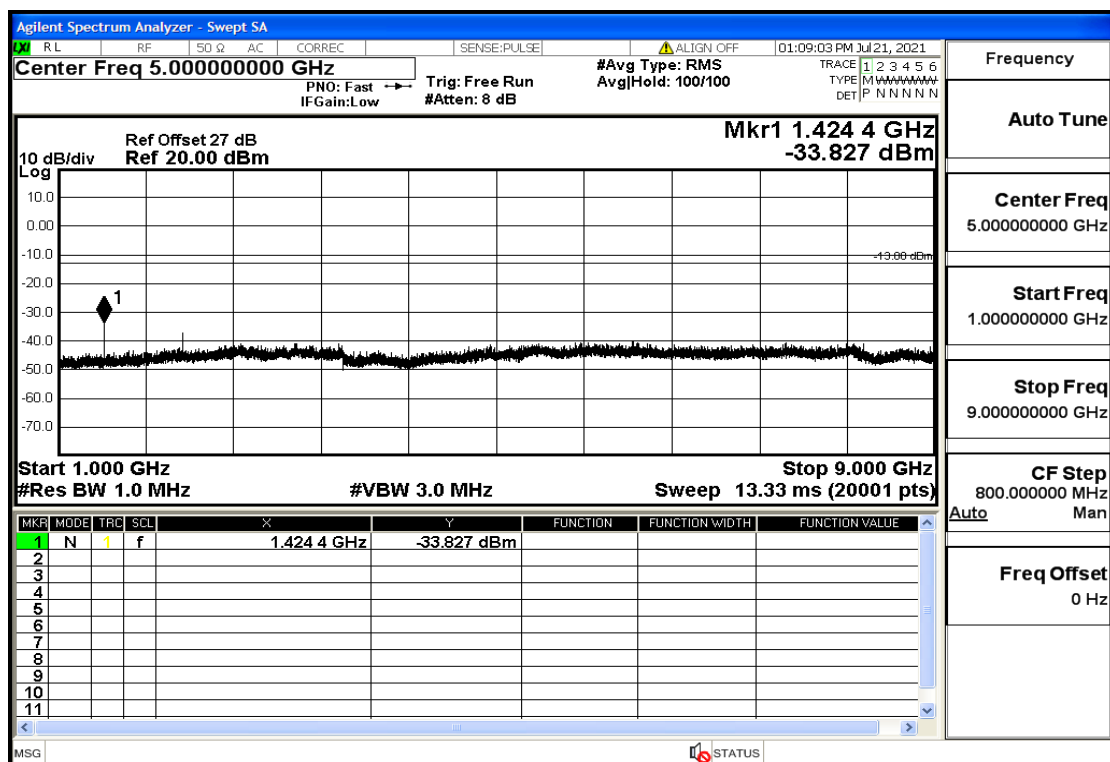
OB12-10-707.5-QPSK-1#LOW@1GHz-9GHz@Pass



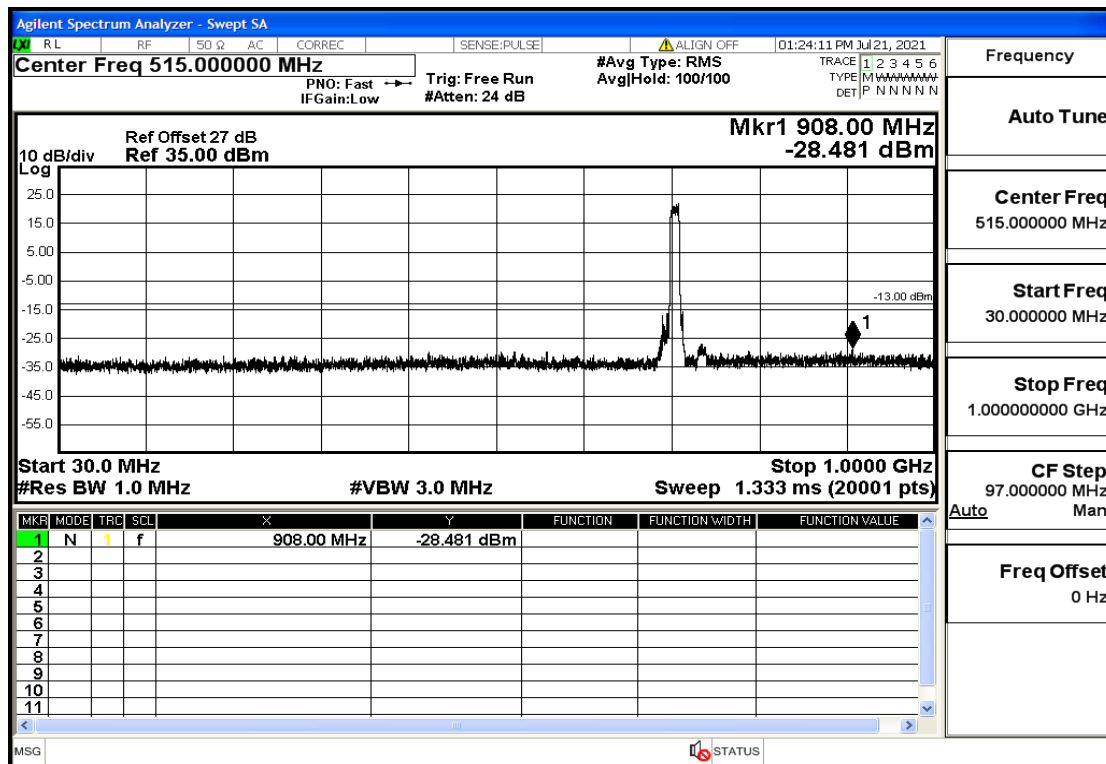
OB12-10-707.5-QPSK-1#HIGH@30mHz-1GHz@Pass



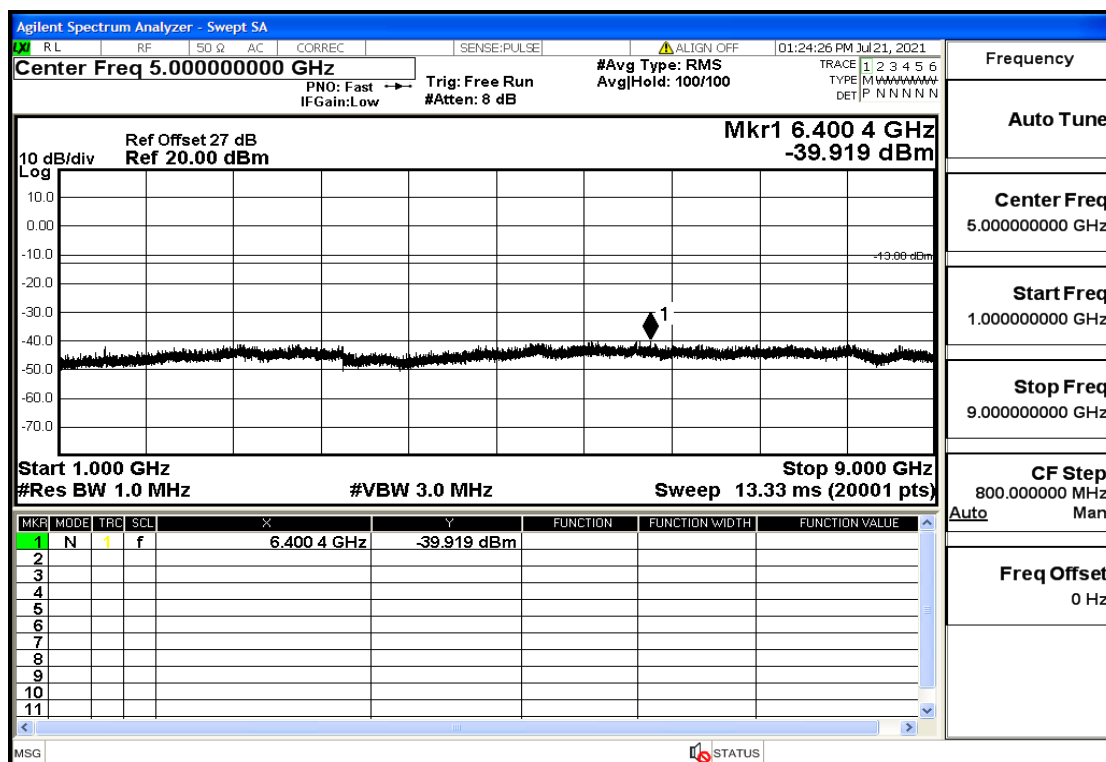
OB12-10-707.5-QPSK-1#HIGH@1GHz-9GHz@Pass



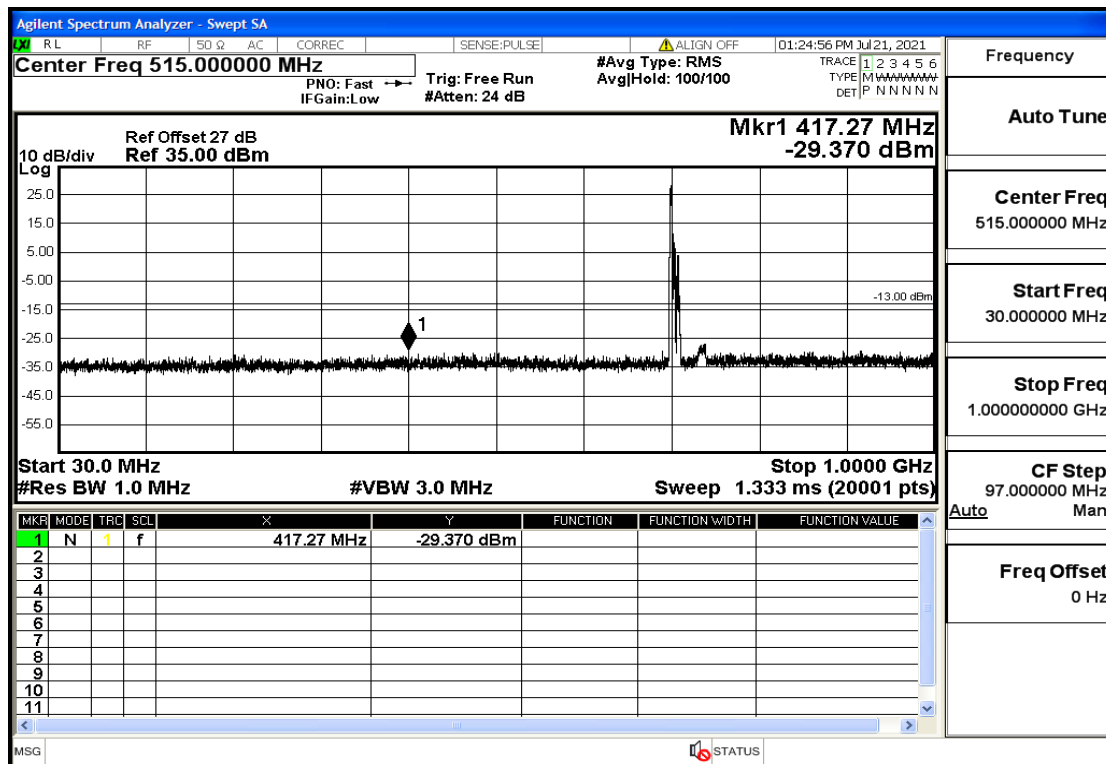
OB12-10-711-QPSK-50#LOW@30mHz-1GHz@Pass



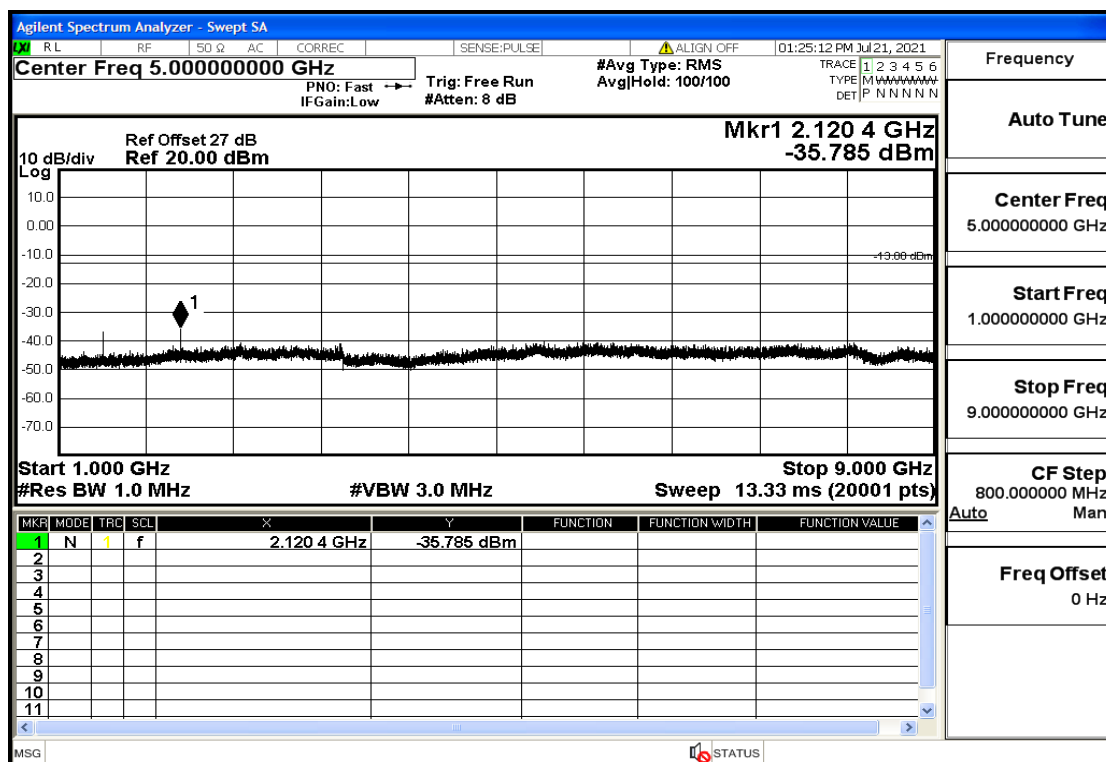
OB12-10-711-QPSK-50#LOW@1GHz-9GHz@Pass



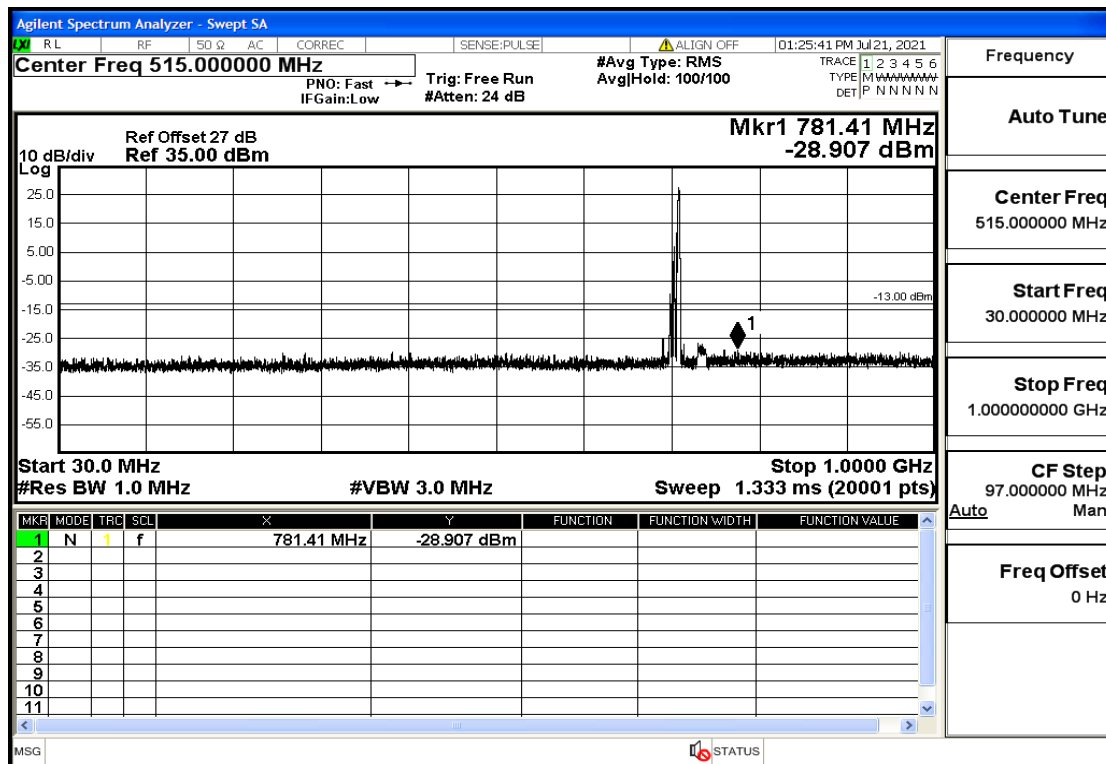
OB12-10-711-QPSK-1#LOW@30mHz-1GHz@Pass



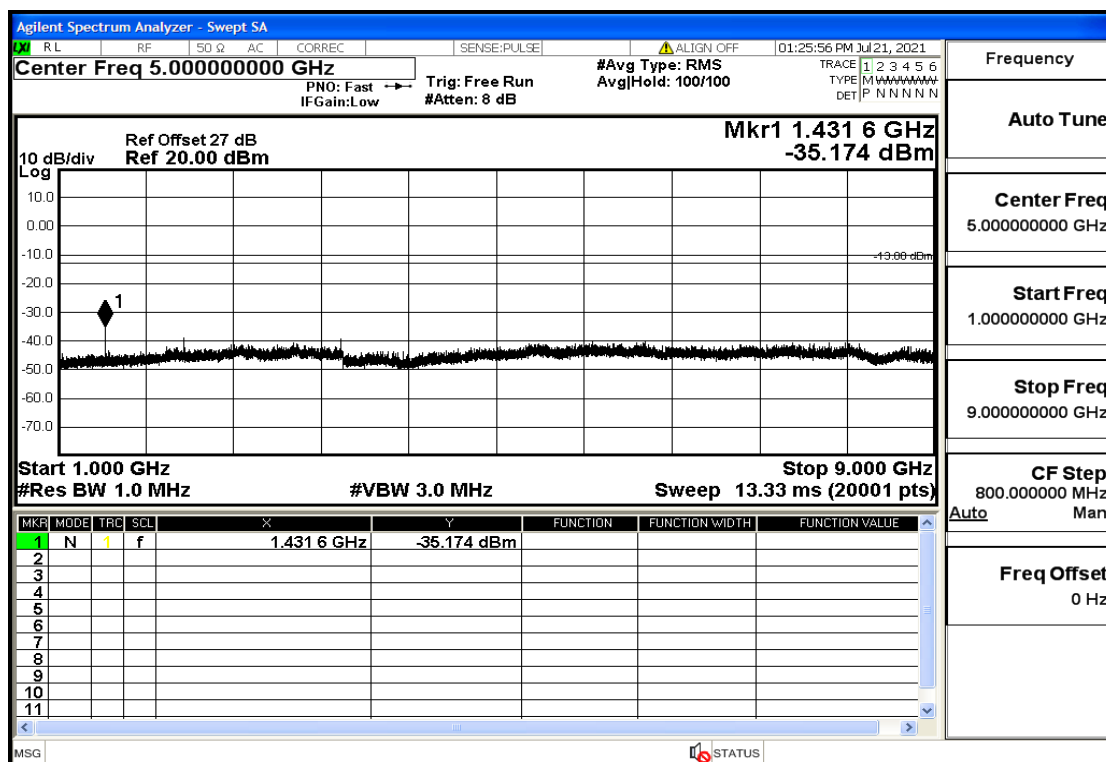
OB12-10-711-QPSK-1#LOW@1GHz-9GHz@Pass



OB12-10-711-QPSK-1#HIGH@30mHz-1GHz@Pass



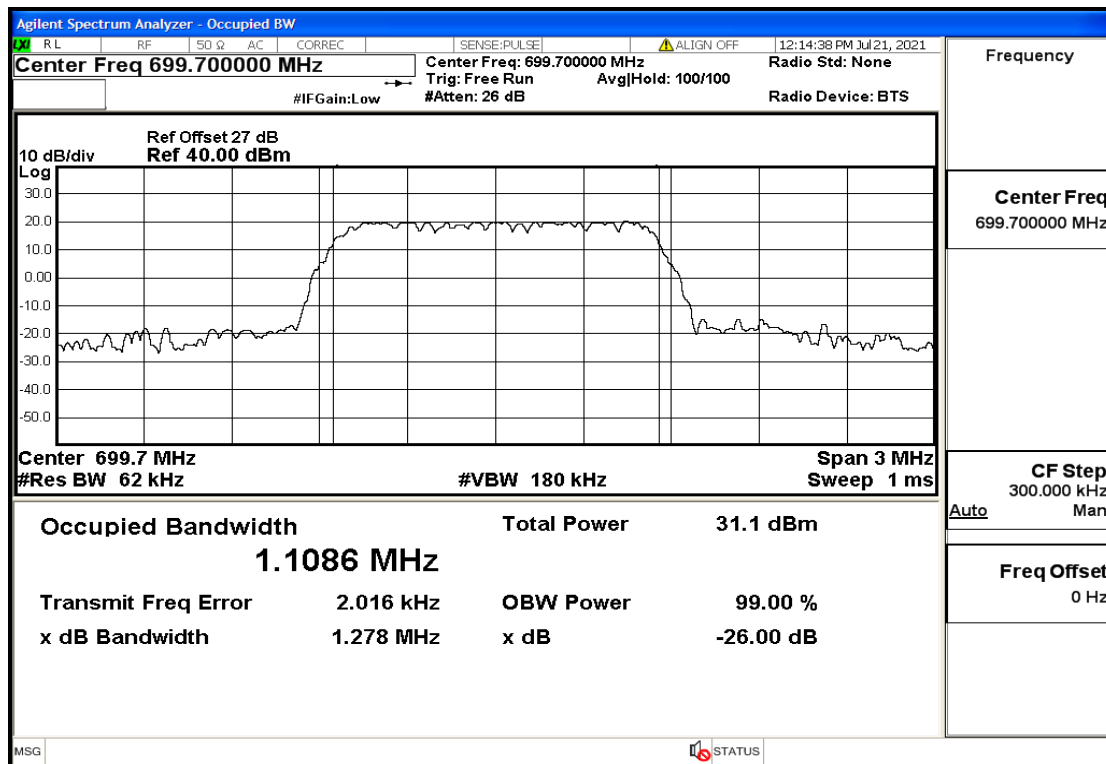
OB12-10-711-QPSK-1#HIGH@1GHz-9GHz@Pass



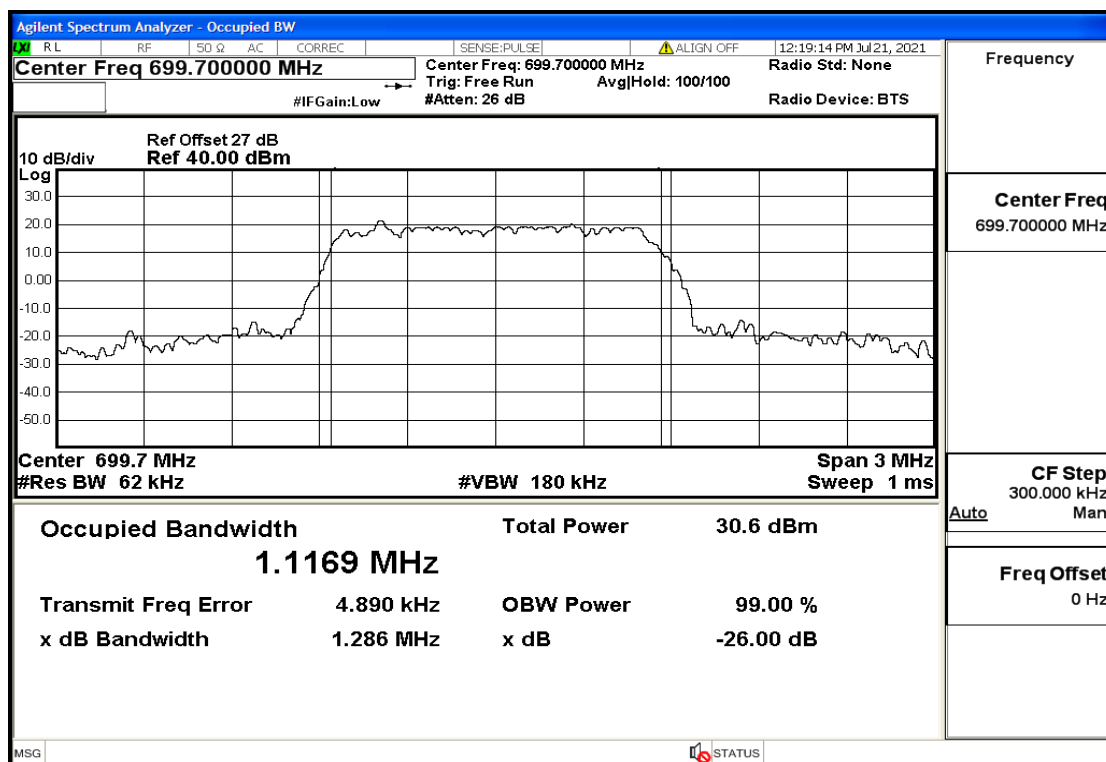
Emission bandwidth and OBW

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Occupied Bandwidth(KHz)	Emission Bandwidth(KHz)	Limit
Band12	1.4	699.7	QPSK	6	LOW	1108.6	1278	No limit
Band12	1.4	699.7	16QAM	6	LOW	1116.9	1286	No limit
Band12	1.4	707.5	QPSK	6	LOW	1110.7	1289	No limit
Band12	1.4	707.5	16QAM	6	LOW	1112.3	1282	No limit
Band12	1.4	715.3	QPSK	6	LOW	1115.4	1268	No limit
Band12	1.4	715.3	16QAM	6	LOW	1115.8	1286	No limit
Band12	3	700.5	QPSK	15	LOW	2761.3	3109	No limit
Band12	3	700.5	16QAM	15	LOW	2763.1	3084	No limit
Band12	3	707.5	QPSK	15	LOW	2752.6	3082	No limit
Band12	3	707.5	16QAM	15	LOW	2765.8	3072	No limit
Band12	3	714.5	QPSK	15	LOW	2774.6	3108	No limit
Band12	3	714.5	16QAM	15	LOW	2747.7	3112	No limit
Band12	5	701.5	QPSK	25	LOW	4565.6	5067	No limit
Band12	5	701.5	16QAM	25	LOW	4572.4	5074	No limit
Band12	5	707.5	QPSK	25	LOW	4552.8	5033	No limit
Band12	5	707.5	16QAM	25	LOW	4579	5057	No limit
Band12	5	713.5	QPSK	25	LOW	4557.8	5074	No limit
Band12	5	713.5	16QAM	25	LOW	4580.7	5066	No limit
Band12	10	704	QPSK	50	LOW	9078.9	10090	No limit
Band12	10	704	16QAM	50	LOW	9091.8	10030	No limit
Band12	10	707.5	QPSK	50	LOW	9071.5	10070	No limit
Band12	10	707.5	16QAM	50	LOW	9070.4	10050	No limit
Band12	10	711	QPSK	50	LOW	9117.4	10040	No limit
Band12	10	711	16QAM	50	LOW	9085.3	10120	No limit

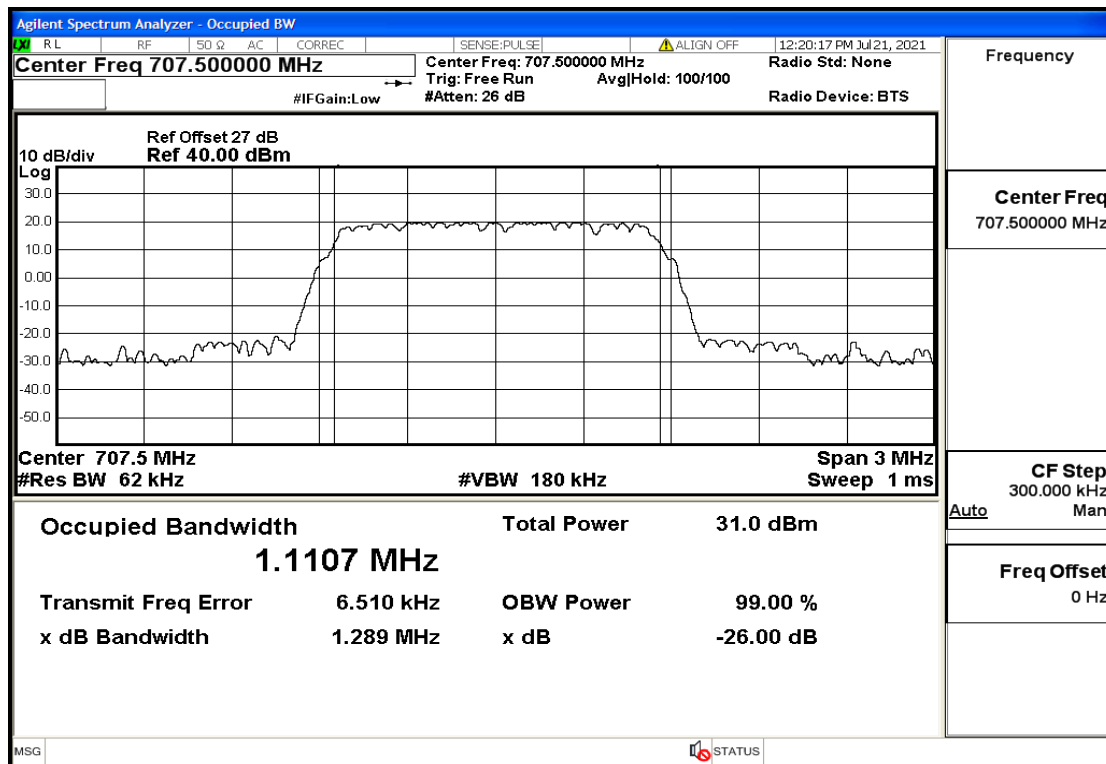
Band12-1.4-699.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



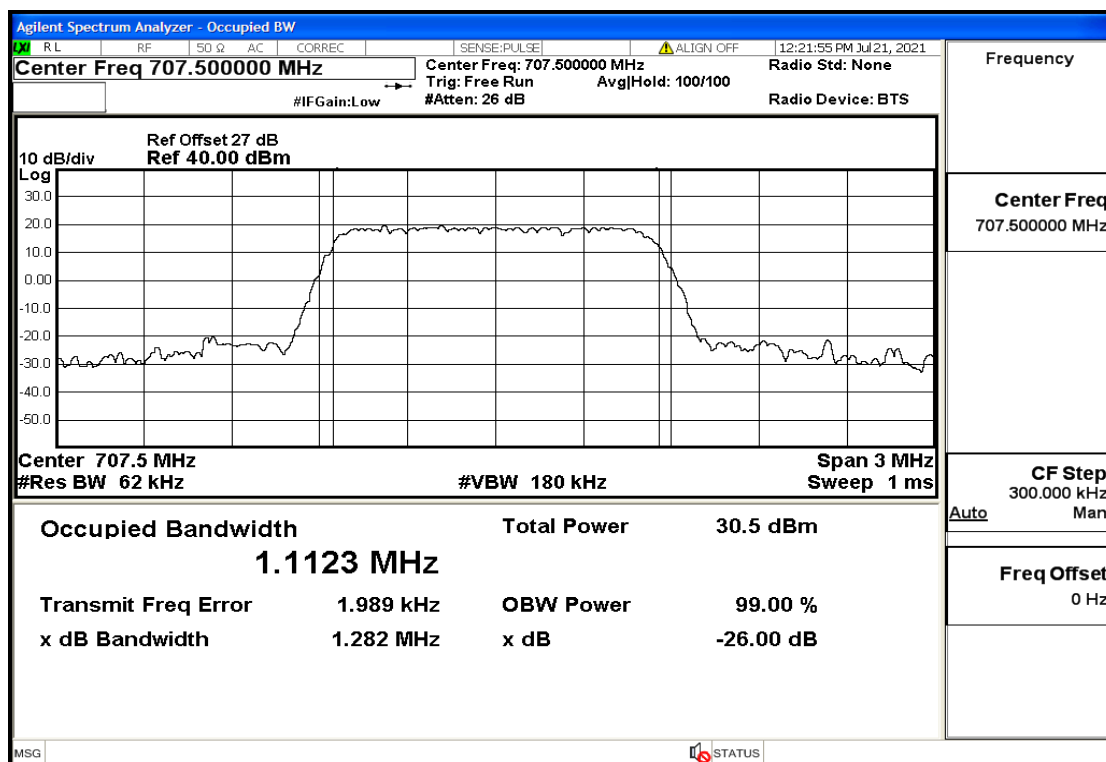
Band12-1.4-699.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



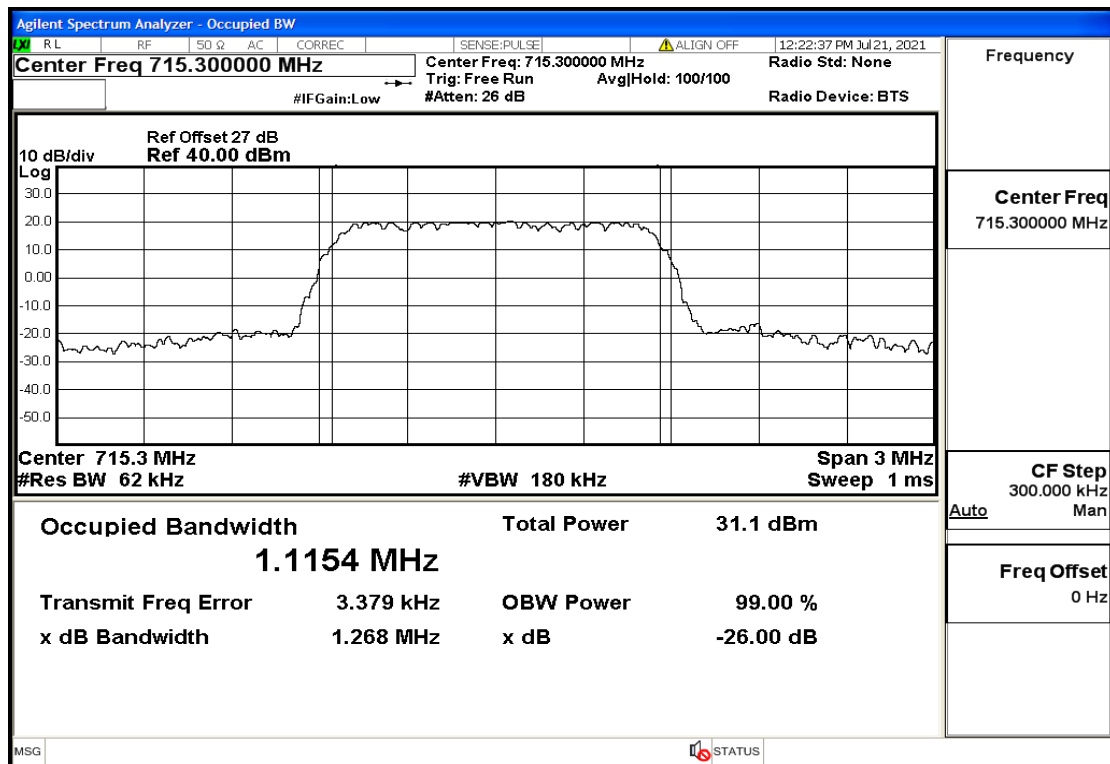
Band12-1.4-707.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



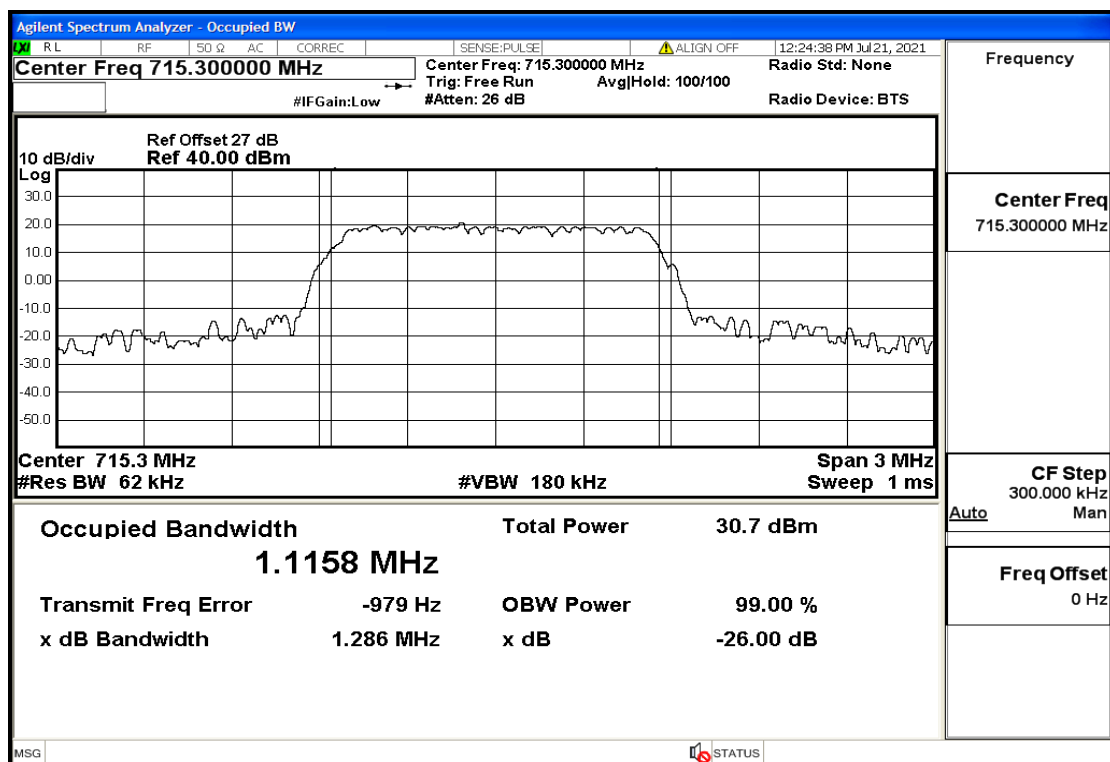
Band12-1.4-707.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



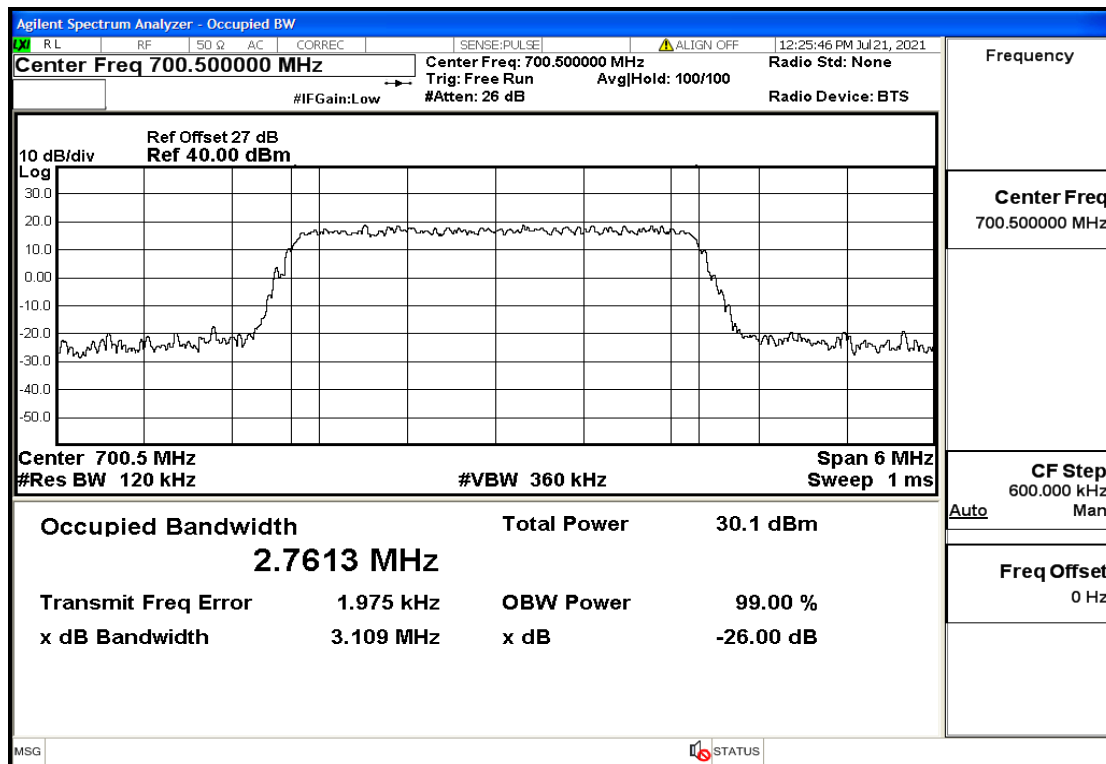
Band12-1.4-715.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



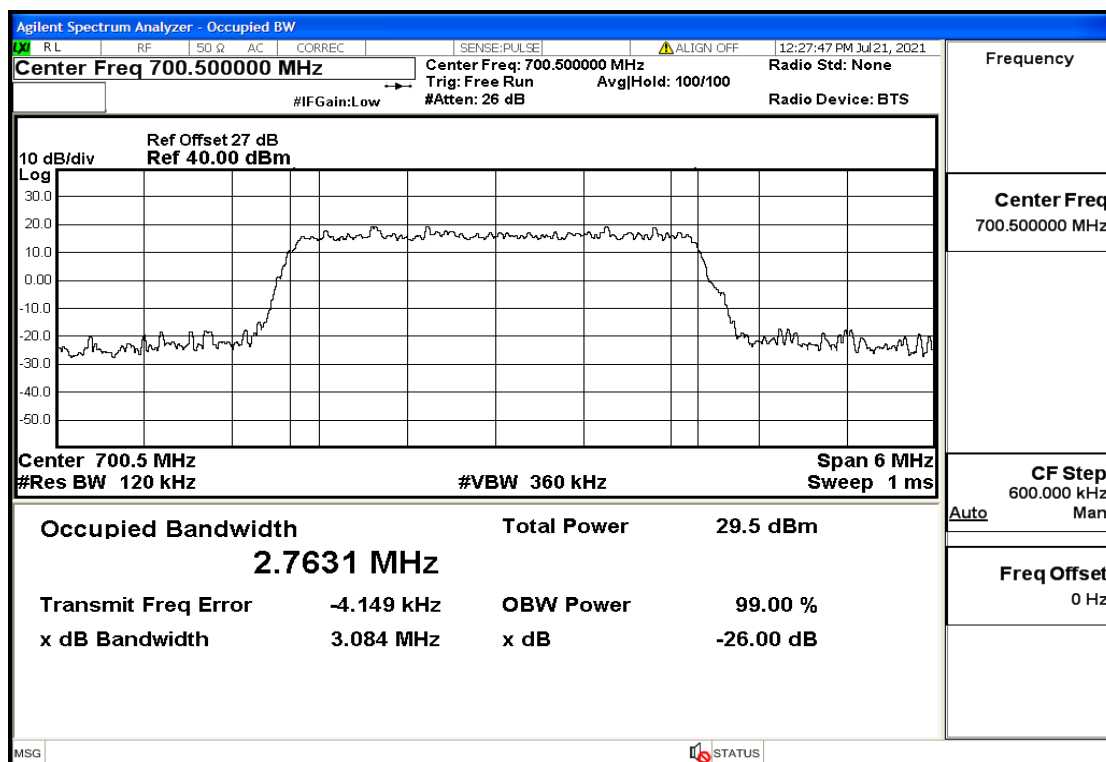
Band12-1.4-715.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



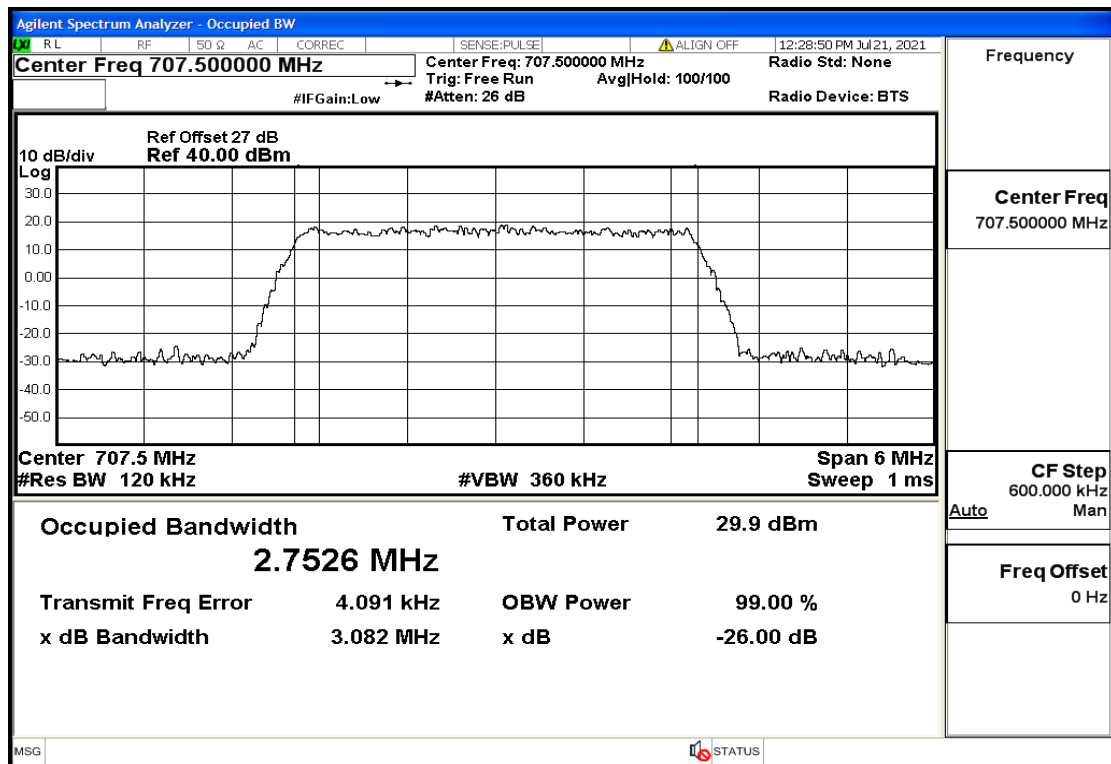
Band12-3-700.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



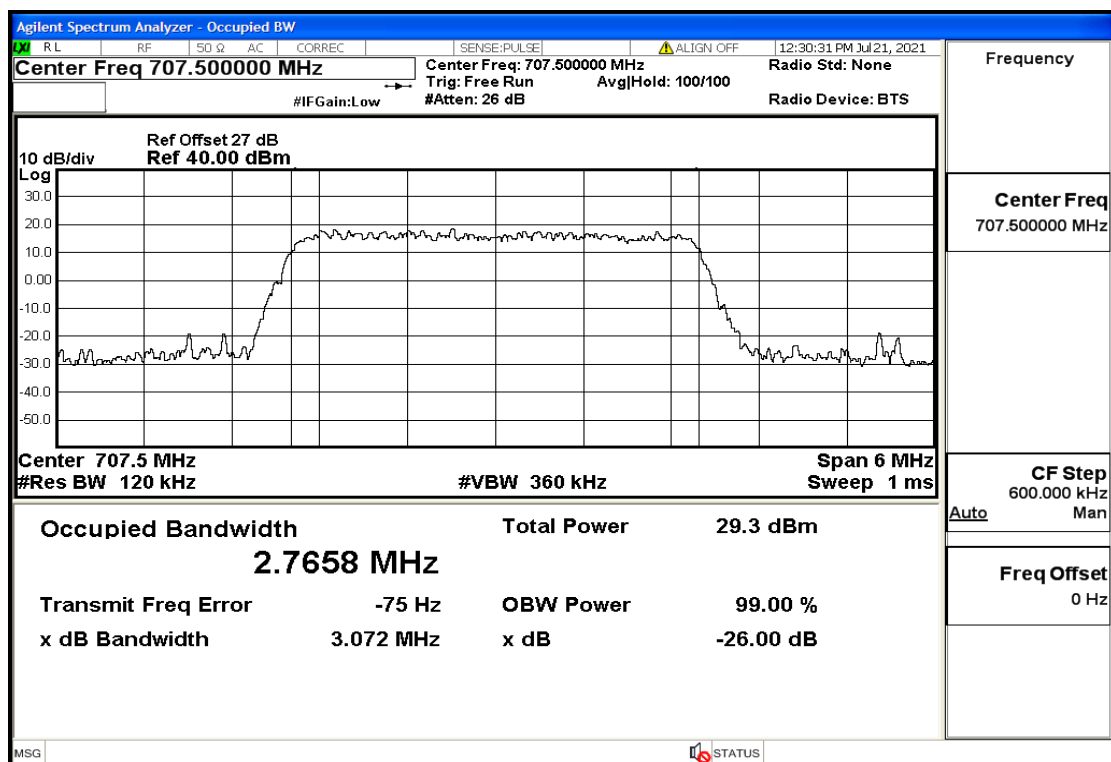
Band12-3-700.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



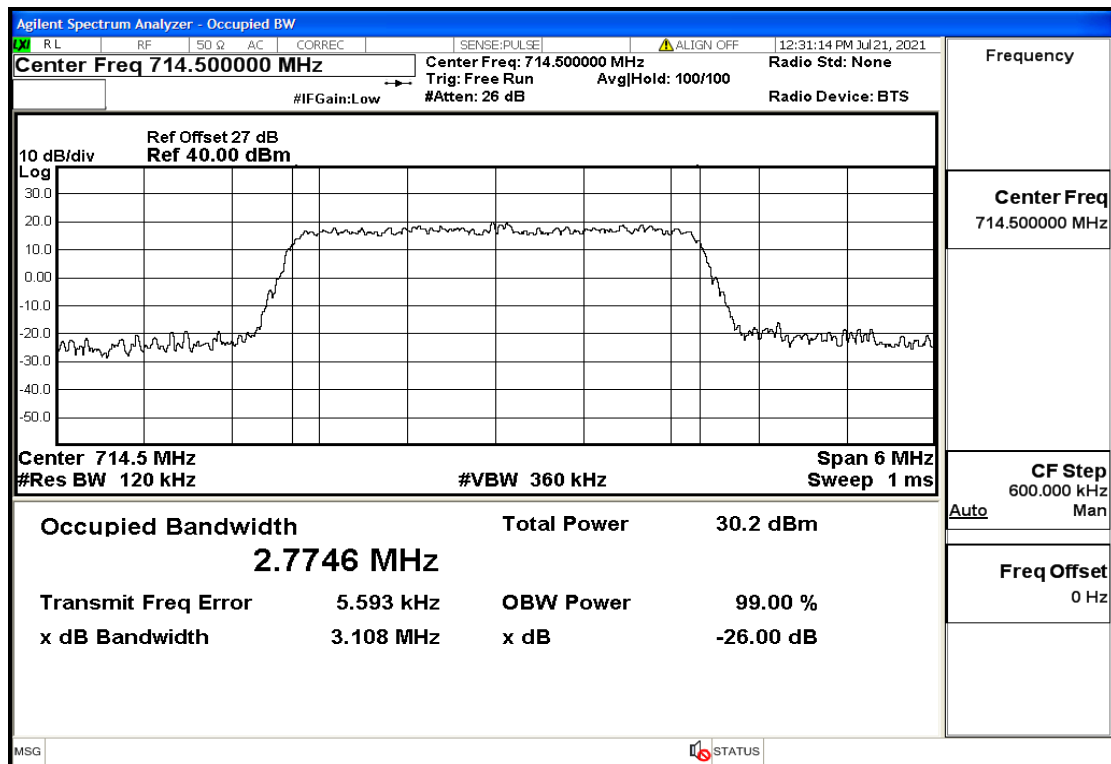
Band12-3-707.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



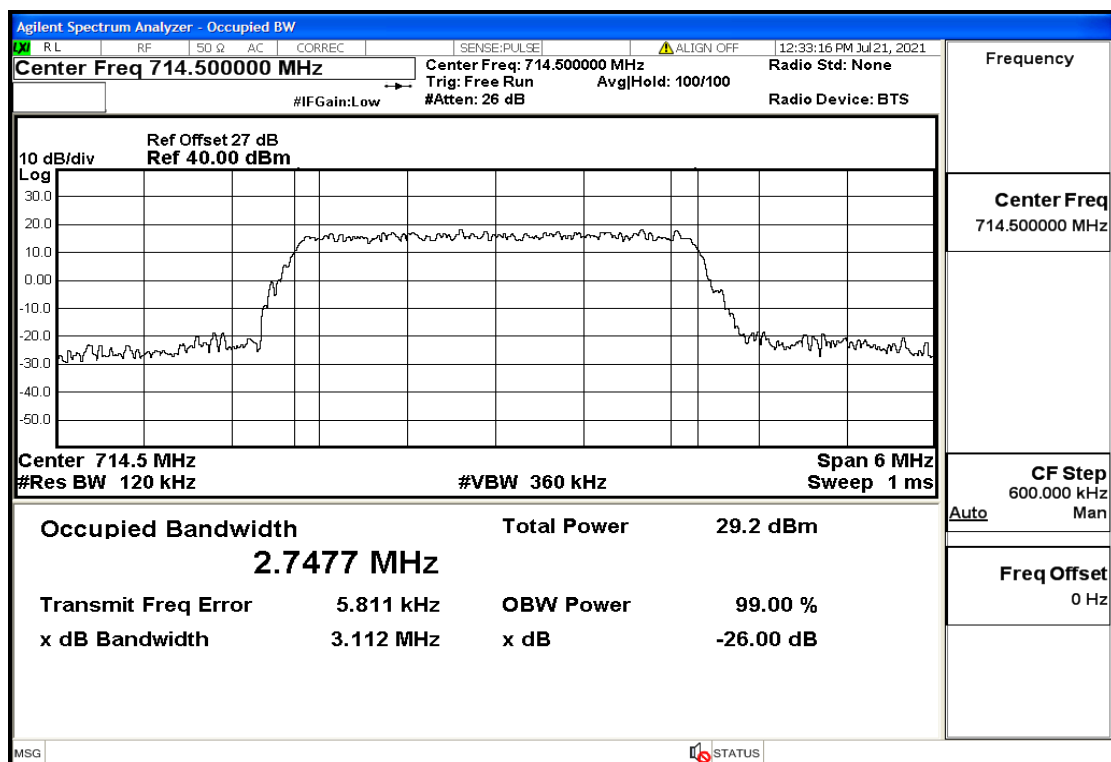
Band12-3-707.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



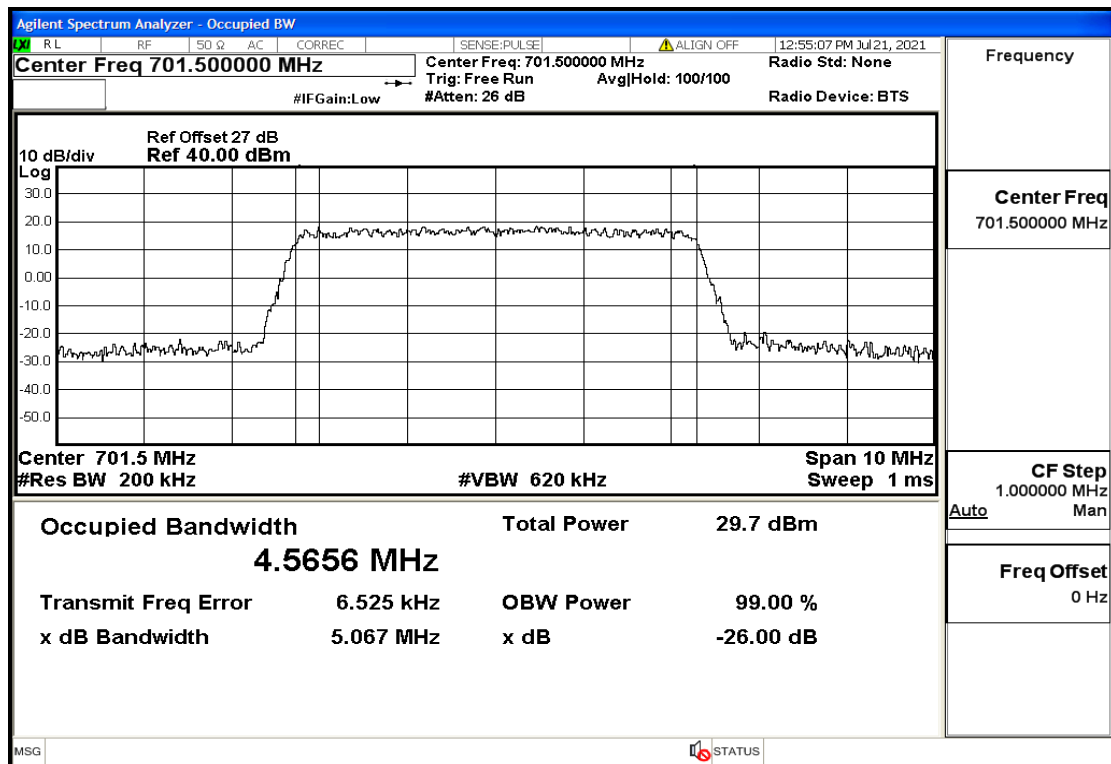
Band12-3-714.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



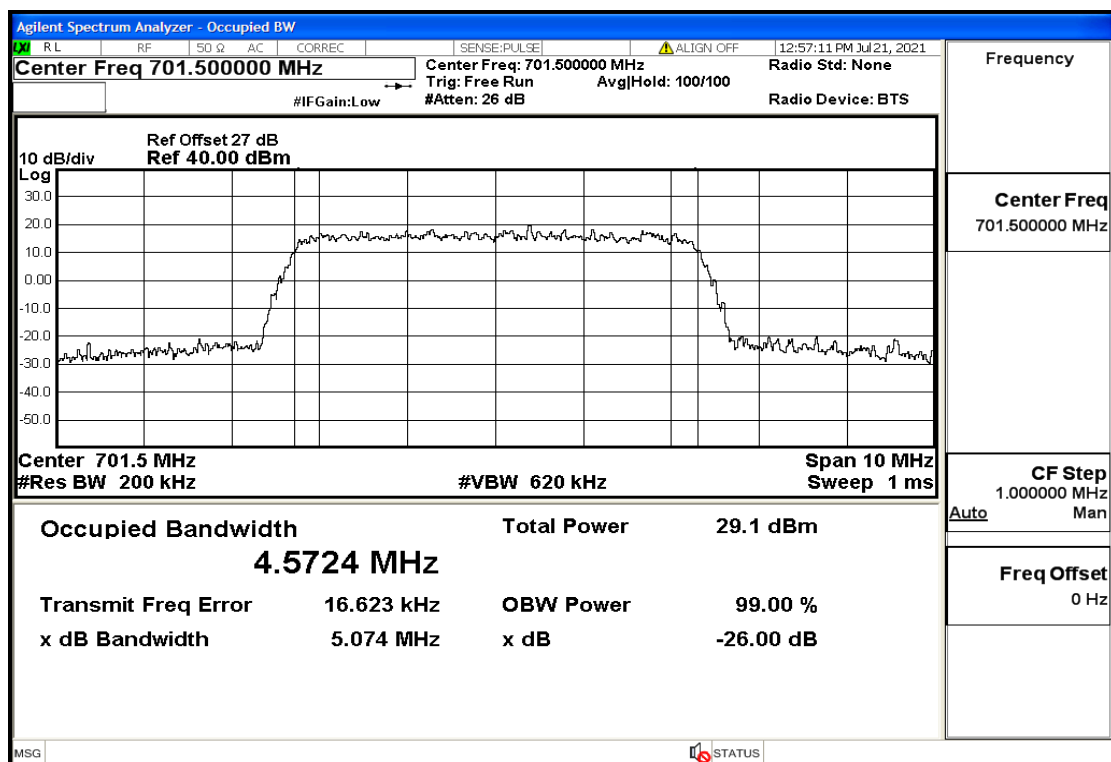
Band12-3-714.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



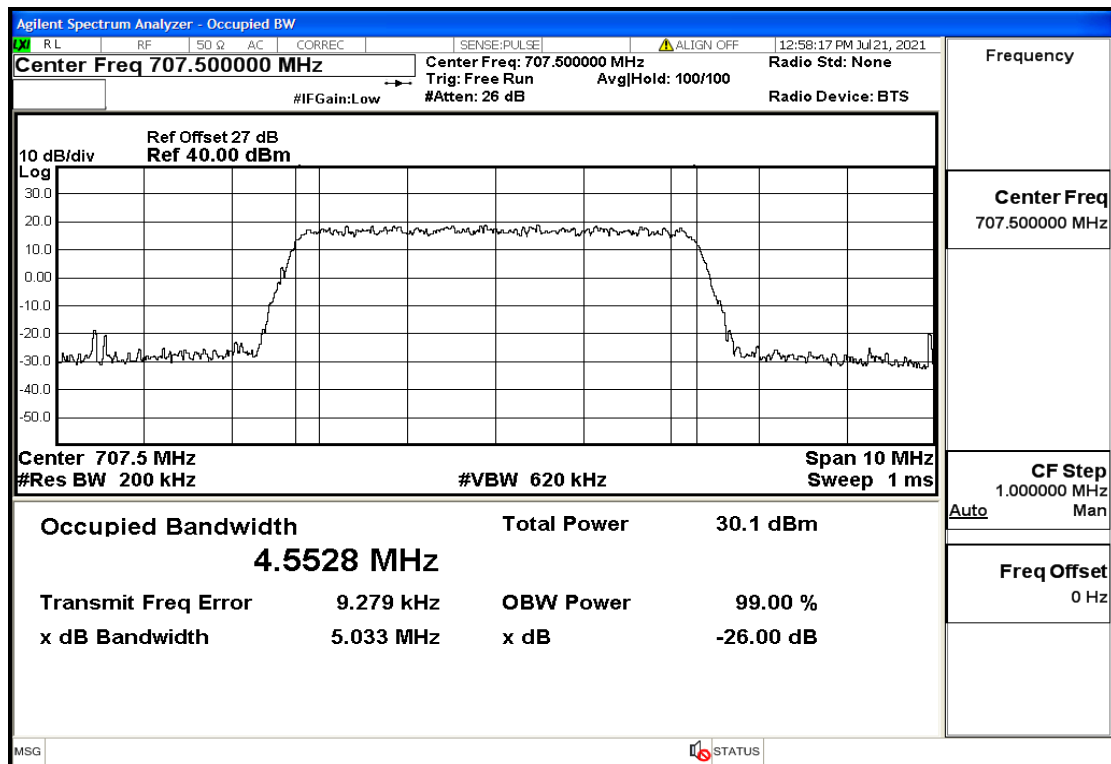
Band12-5-701.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



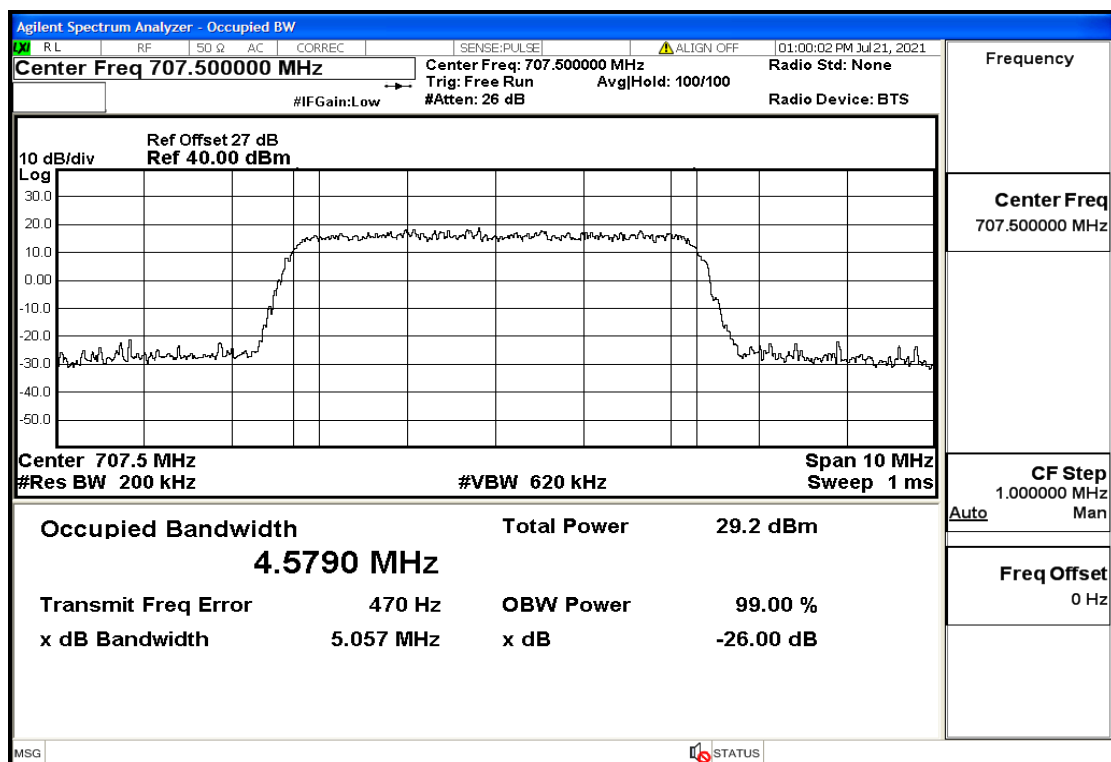
Band12-5-701.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



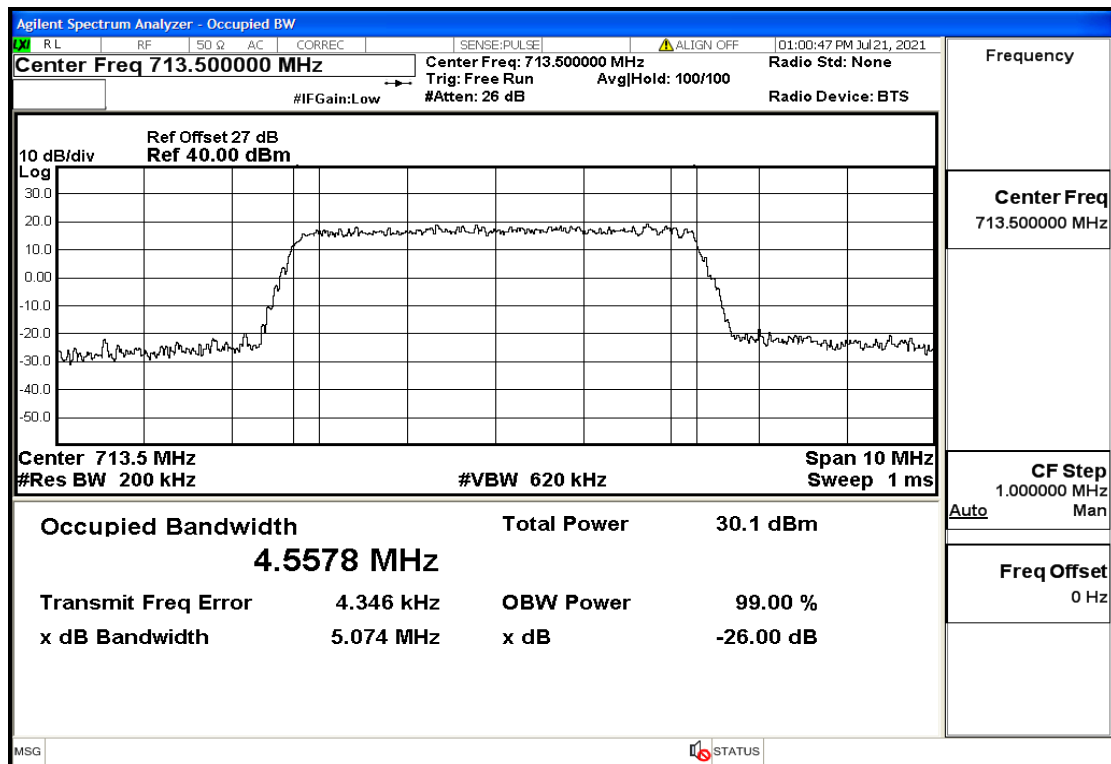
Band12-5-707.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



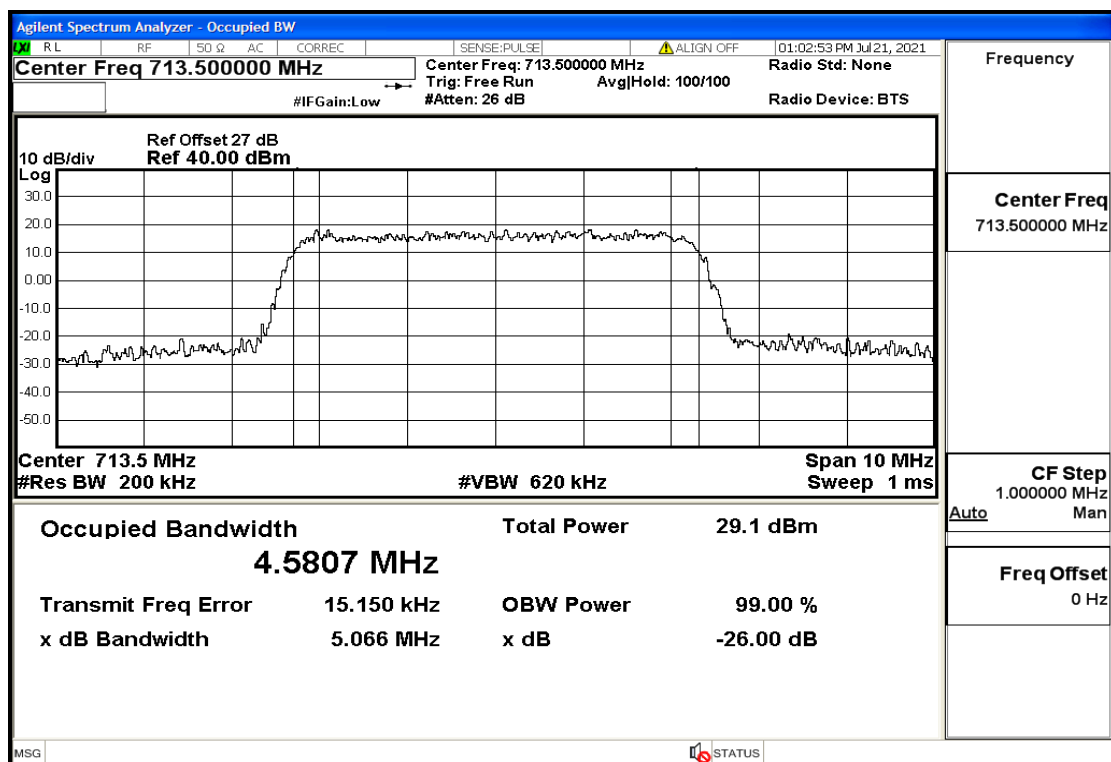
Band12-5-707.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



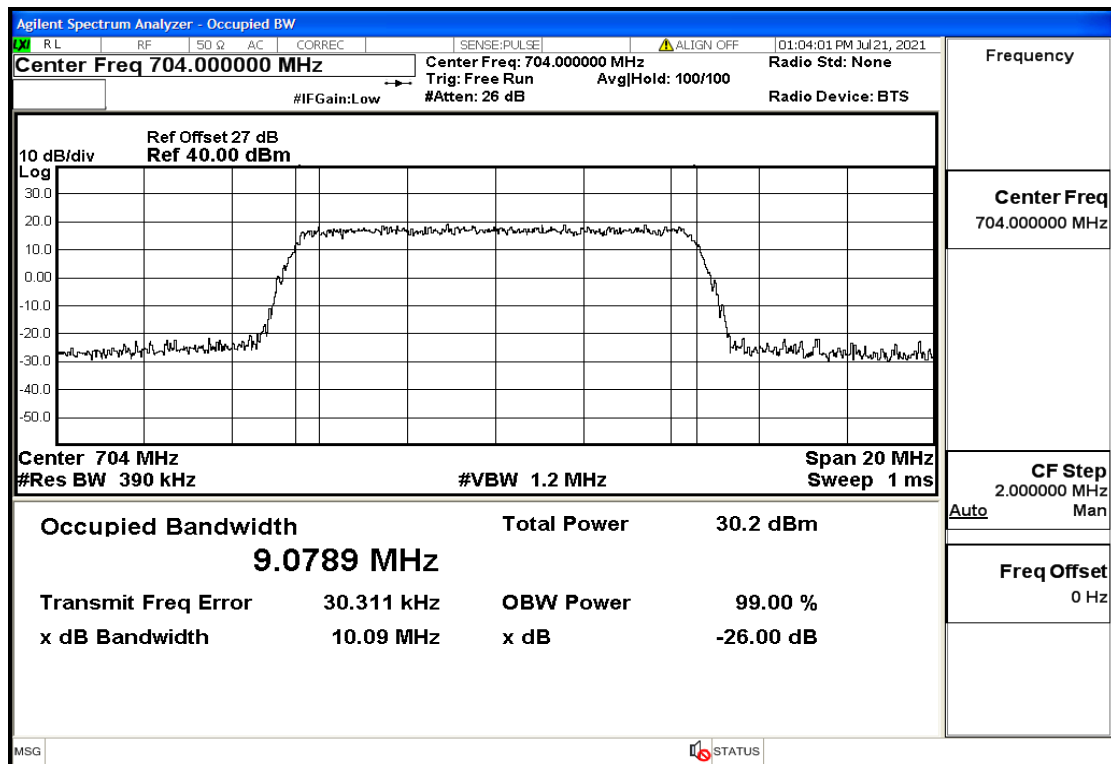
Band12-5-713.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



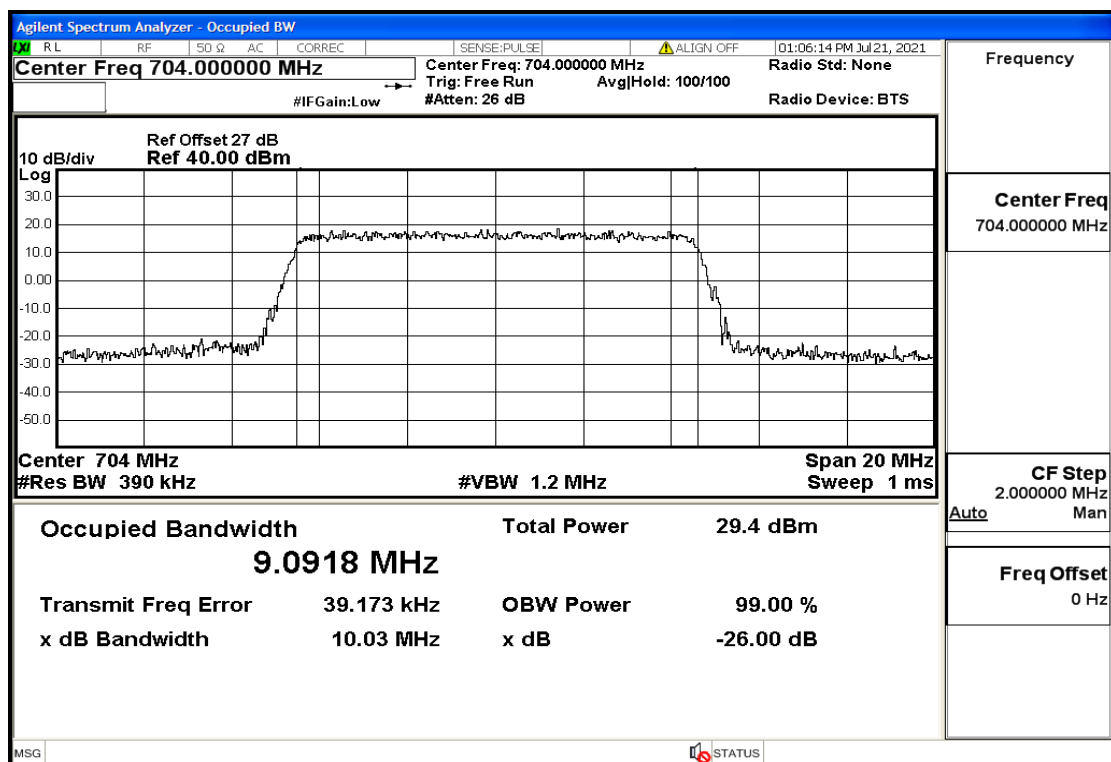
Band12-5-713.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



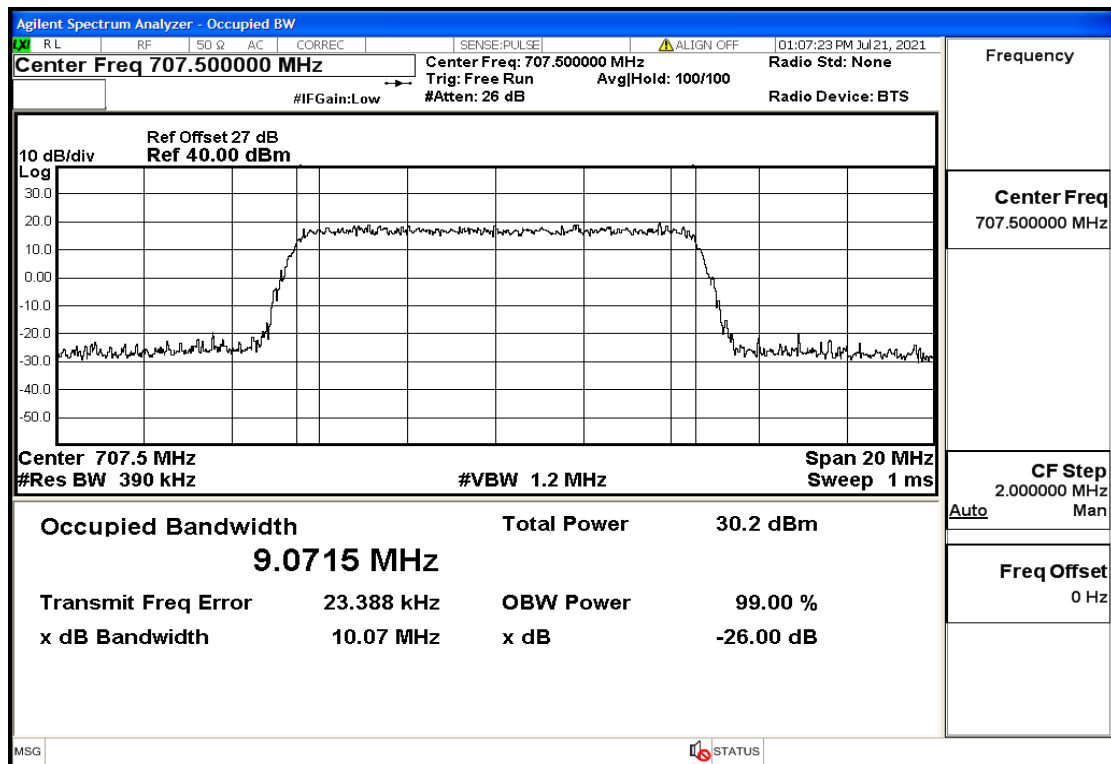
Band12-10-704-QPSK-50#LOW@26dB and 99PCT Bandwidth



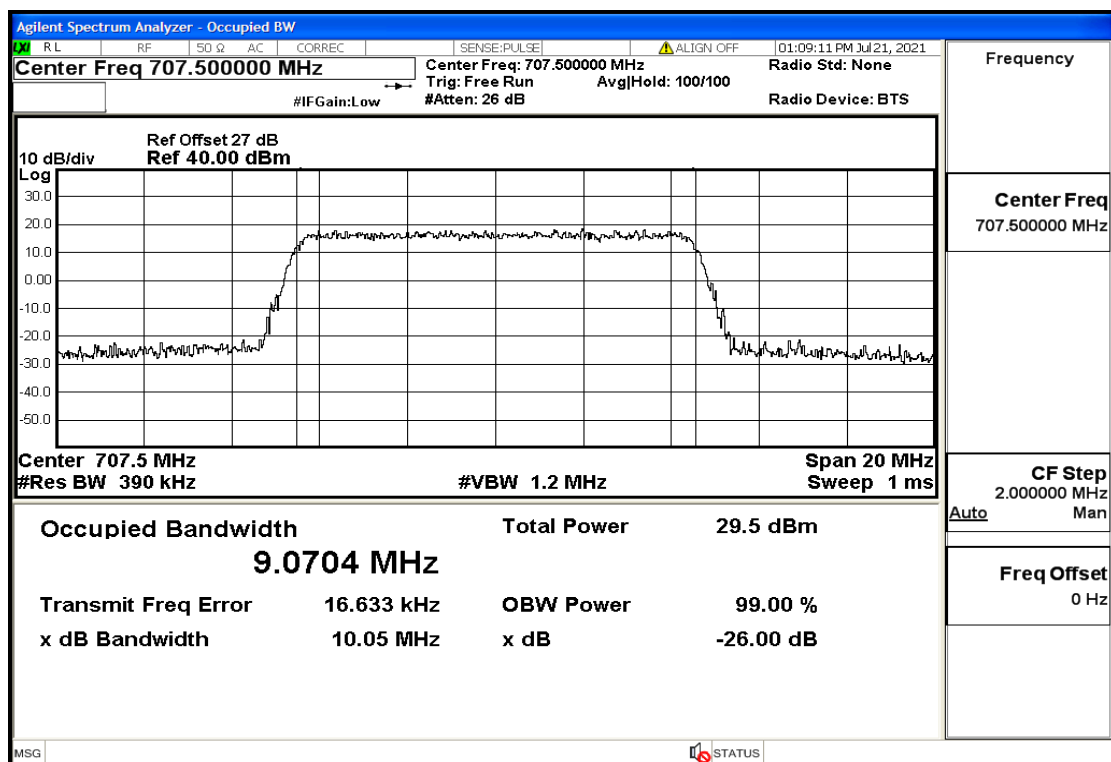
Band12-10-704-16QAM-50#LOW@26dB and 99PCT Bandwidth



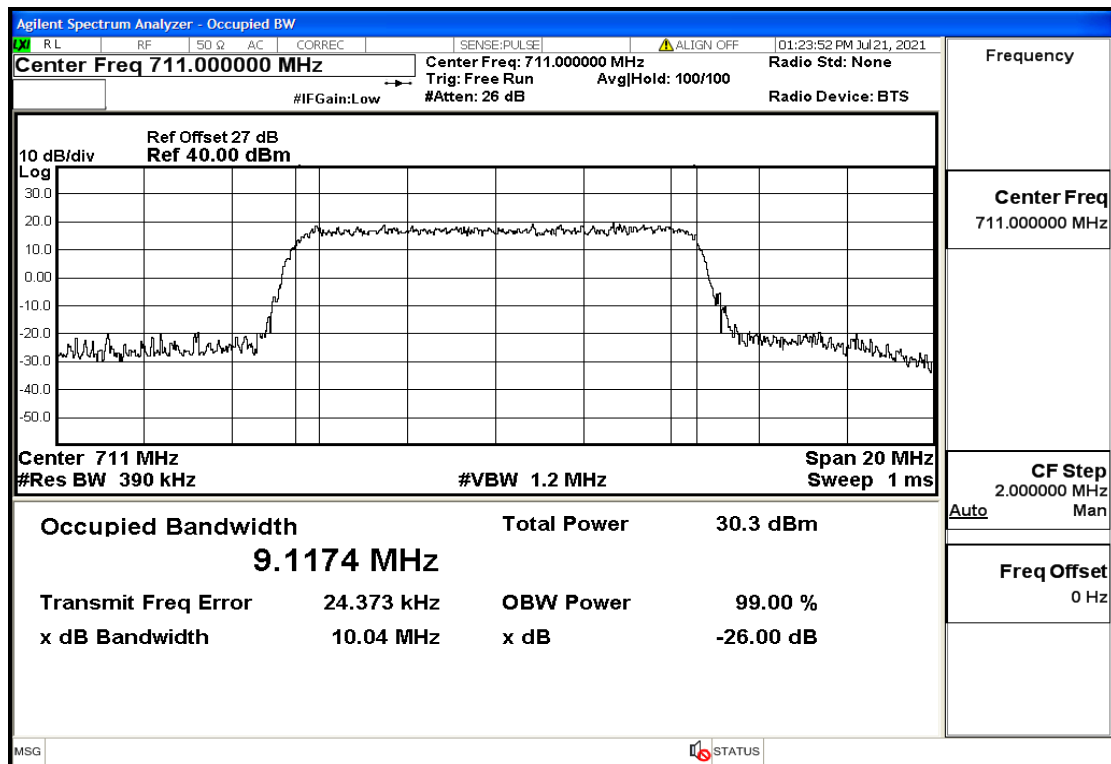
Band12-10-707.5-QPSK-50#LOW@26dB and 99PCT Bandwidth



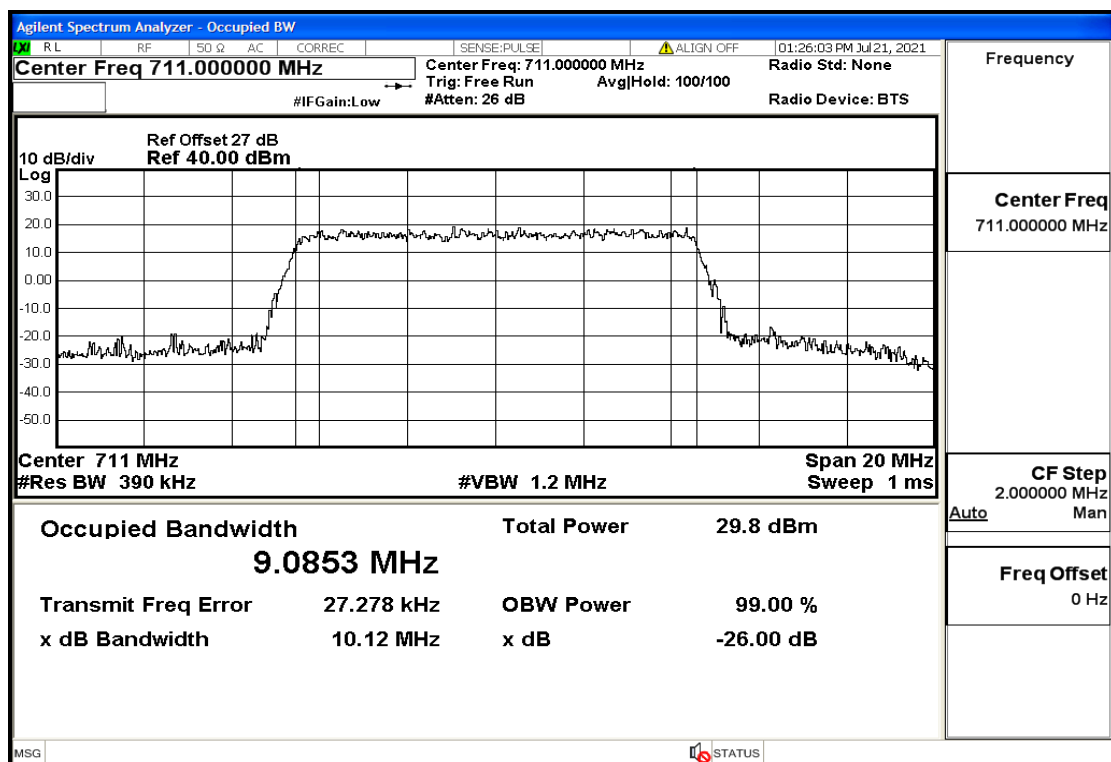
Band12-10-707.5-16QAM-50#LOW@26dB and 99PCT Bandwidth



Band12-10-711-QPSK-50#LOW@26dB and 99PCT Bandwidth



Band12-10-711-16QAM-50#LOW@26dB and 99PCT Bandwidth



Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0610	PASS
40	Normal Voltage	0.0366	
30	Normal Voltage	0.0182	
20(Ref.)	Normal Voltage	0.0250	
10	Normal Voltage	0.0665	
0	Normal Voltage	0.0165	
-10	Normal Voltage	0.0401	
-20	Normal Voltage	0.0395	
-30	Normal Voltage	0.0172	
20	Maximum Voltage	0.0181	
20	Normal Voltage	0.0246	
20	Battery End Point	0.0698	

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
Band12	1.4	699.7	QPSK	6	LOW	23.01	29.34	6.33	13	-4.74	16.12	34.8	Pass
Band12	1.4	699.7	QPSK	3	LOW	24.09	29.36	5.27	13	-4.74	17.2	34.8	Pass
Band12	1.4	699.7	QPSK	3	MID	24.14	29.4	5.26	13	-4.74	17.25	34.8	Pass
Band12	1.4	699.7	QPSK	3	HIGH	24.19	29.35	5.16	13	-4.74	17.3	34.8	Pass
Band12	1.4	699.7	QPSK	1	LOW	24.02	28.89	4.87	13	-4.74	17.13	34.8	Pass
Band12	1.4	699.7	QPSK	1	MID	24.17	28.99	4.82	13	-4.74	17.28	34.8	Pass
Band12	1.4	699.7	QPSK	1	HIGH	24.16	28.96	4.8	13	-4.74	17.27	34.8	Pass
Band12	1.4	699.7	16QAM	6	LOW	22.48	29.55	7.07	13	-4.74	15.59	34.8	Pass
Band12	1.4	699.7	16QAM	3	LOW	23.33	28.91	5.58	13	-4.74	16.44	34.8	Pass
Band12	1.4	699.7	16QAM	3	MID	23.32	28.93	5.61	13	-4.74	16.43	34.8	Pass
Band12	1.4	699.7	16QAM	3	HIGH	23.26	28.86	5.6	13	-4.74	16.37	34.8	Pass
Band12	1.4	699.7	16QAM	1	LOW	23.75	28.77	5.02	13	-4.74	16.86	34.8	Pass
Band12	1.4	699.7	16QAM	1	MID	23.61	28.67	5.06	13	-4.74	16.72	34.8	Pass
Band12	1.4	699.7	16QAM	1	HIGH	23.62	28.64	5.02	13	-4.74	16.73	34.8	Pass
Band12	1.4	707.5	QPSK	6	LOW	22.76	28.59	5.83	13	-4.74	15.87	34.8	Pass
Band12	1.4	707.5	QPSK	3	LOW	23.89	29.33	5.44	13	-4.74	17	34.8	Pass
Band12	1.4	707.5	QPSK	3	MID	23.87	29.34	5.47	13	-4.74	16.98	34.8	Pass
Band12	1.4	707.5	QPSK	3	HIGH	23.9	29.42	5.52	13	-4.74	17.01	34.8	Pass
Band12	1.4	707.5	QPSK	1	LOW	24.06	29.13	5.07	13	-4.74	17.17	34.8	Pass
Band12	1.4	707.5	QPSK	1	MID	24.03	29.15	5.12	13	-4.74	17.14	34.8	Pass
Band12	1.4	707.5	QPSK	1	HIGH	24.1	29.25	5.15	13	-4.74	17.21	34.8	Pass
Band12	1.4	707.5	16QAM	6	LOW	22.33	29.2	6.87	13	-4.74	15.44	34.8	Pass
Band12	1.4	707.5	16QAM	3	LOW	22.85	29.24	6.39	13	-4.74	15.96	34.8	Pass
Band12	1.4	707.5	16QAM	3	MID	22.85	29.21	6.36	13	-4.74	15.96	34.8	Pass
Band12	1.4	707.5	16QAM	3	HIGH	23.21	29.54	6.33	13	-4.74	16.32	34.8	Pass
Band12	1.4	707.5	16QAM	1	LOW	23.16	28.14	4.98	13	-4.74	16.27	34.8	Pass
Band12	1.4	707.5	16QAM	1	MID	23.23	28.17	4.94	13	-4.74	16.34	34.8	Pass
Band12	1.4	707.5	16QAM	1	HIGH	23.2	28.22	5.02	13	-4.74	16.31	34.8	Pass
Band12	1.4	715.3	QPSK	6	LOW	22.86	28.42	5.56	13	-4.74	15.97	34.8	Pass
Band12	1.4	715.3	QPSK	3	LOW	23.93	28.78	4.85	13	-4.74	17.04	34.8	Pass
Band12	1.4	715.3	QPSK	3	MID	23.91	28.72	4.81	13	-4.74	17.02	34.8	Pass
Band12	1.4	715.3	QPSK	3	HIGH	23.86	28.6	4.74	13	-4.74	16.97	34.8	Pass
Band12	1.4	715.3	QPSK	1	LOW	24.11	28.34	4.23	13	-4.74	17.22	34.8	Pass
Band12	1.4	715.3	QPSK	1	MID	24.03	28.23	4.2	13	-4.74	17.14	34.8	Pass
Band12	1.4	715.3	QPSK	1	HIGH	24.03	28.11	4.08	13	-4.74	17.14	34.8	Pass
Band12	1.4	715.3	16QAM	6	LOW	22.4	28.77	6.37	13	-4.74	15.51	34.8	Pass
Band12	1.4	715.3	16QAM	3	LOW	22.64	28.55	5.91	13	-4.74	15.75	34.8	Pass
Band12	1.4	715.3	16QAM	3	MID	22.66	28.56	5.9	13	-4.74	15.77	34.8	Pass
Band12	1.4	715.3	16QAM	3	HIGH	22.59	28.42	5.83	13	-4.74	15.7	34.8	Pass
Band12	1.4	715.3	16QAM	1	LOW	22.69	27.62	4.93	13	-4.74	15.8	34.8	Pass

Band12	1.4	715.3	16QAM	1	MID	22.66	27.53	4.87	13	-4.74	15.77	34.8	Pass
Band12	1.4	715.3	16QAM	1	HIGH	22.63	27.46	4.83	13	-4.74	15.74	34.8	Pass
Band12	3	700.5	QPSK	15	LOW	23.04	28.86	5.82	13	-4.74	16.15	34.8	Pass
Band12	3	700.5	QPSK	8	LOW	23.14	28.87	5.73	13	-4.74	16.25	34.8	Pass
Band12	3	700.5	QPSK	8	MID	23.27	28.88	5.61	13	-4.74	16.38	34.8	Pass
Band12	3	700.5	QPSK	8	HIGH	22.84	28.74	5.9	13	-4.74	15.95	34.8	Pass
Band12	3	700.5	QPSK	1	LOW	23.93	28.64	4.71	13	-4.74	17.04	34.8	Pass
Band12	3	700.5	QPSK	1	MID	23.91	28.57	4.66	13	-4.74	17.02	34.8	Pass
Band12	3	700.5	QPSK	1	HIGH	24.04	28.62	4.58	13	-4.74	17.15	34.8	Pass
Band12	3	700.5	16QAM	15	LOW	22.38	29.14	6.76	13	-4.74	15.49	34.8	Pass
Band12	3	700.5	16QAM	8	LOW	22.44	28.97	6.53	13	-4.74	15.55	34.8	Pass
Band12	3	700.5	16QAM	8	MID	22.44	28.95	6.51	13	-4.74	15.55	34.8	Pass
Band12	3	700.5	16QAM	8	HIGH	22.1	28.74	6.64	13	-4.74	15.21	34.8	Pass
Band12	3	700.5	16QAM	1	LOW	23.46	28.94	5.48	13	-4.74	16.57	34.8	Pass
Band12	3	700.5	16QAM	1	MID	23.41	28.88	5.47	13	-4.74	16.52	34.8	Pass
Band12	3	700.5	16QAM	1	HIGH	23.24	28.83	5.59	13	-4.74	16.35	34.8	Pass
Band12	3	707.5	QPSK	15	LOW	22.7	28.92	6.22	13	-4.74	15.81	34.8	Pass
Band12	3	707.5	QPSK	8	LOW	22.97	29.03	6.06	13	-4.74	16.08	34.8	Pass
Band12	3	707.5	QPSK	8	MID	22.97	28.97	6	13	-4.74	16.08	34.8	Pass
Band12	3	707.5	QPSK	8	HIGH	22.92	28.98	6.06	13	-4.74	16.03	34.8	Pass
Band12	3	707.5	QPSK	1	LOW	24.04	29.06	5.02	13	-4.74	17.15	34.8	Pass
Band12	3	707.5	QPSK	1	MID	24.03	29.18	5.15	13	-4.74	17.14	34.8	Pass
Band12	3	707.5	QPSK	1	HIGH	23.96	29.15	5.19	13	-4.74	17.07	34.8	Pass
Band12	3	707.5	16QAM	15	LOW	22.15	28.93	6.78	13	-4.74	15.26	34.8	Pass
Band12	3	707.5	16QAM	8	LOW	22.27	28.94	6.67	13	-4.74	15.38	34.8	Pass
Band12	3	707.5	16QAM	8	MID	22.28	28.66	6.38	13	-4.74	15.39	34.8	Pass
Band12	3	707.5	16QAM	8	HIGH	22.09	28.51	6.42	13	-4.74	15.2	34.8	Pass
Band12	3	707.5	16QAM	1	LOW	23.76	28.84	5.08	13	-4.74	16.87	34.8	Pass
Band12	3	707.5	16QAM	1	MID	23.62	28.88	5.26	13	-4.74	16.73	34.8	Pass
Band12	3	707.5	16QAM	1	HIGH	23.58	28.58	5	13	-4.74	16.69	34.8	Pass
Band12	3	714.5	QPSK	15	LOW	22.8	29.14	6.34	13	-4.74	15.91	34.8	Pass
Band12	3	714.5	QPSK	8	LOW	22.84	28.7	5.86	13	-4.74	15.95	34.8	Pass
Band12	3	714.5	QPSK	8	MID	22.84	28.78	5.94	13	-4.74	15.95	34.8	Pass
Band12	3	714.5	QPSK	8	HIGH	22.87	28.46	5.59	13	-4.74	15.98	34.8	Pass
Band12	3	714.5	QPSK	1	LOW	23.96	28.56	4.6	13	-4.74	17.07	34.8	Pass
Band12	3	714.5	QPSK	1	MID	24.05	28.35	4.3	13	-4.74	17.16	34.8	Pass
Band12	3	714.5	QPSK	1	HIGH	23.94	28.09	4.15	13	-4.74	17.05	34.8	Pass
Band12	3	714.5	16QAM	15	LOW	22.09	29.08	6.99	13	-4.74	15.2	34.8	Pass
Band12	3	714.5	16QAM	8	LOW	22.18	28.6	6.42	13	-4.74	15.29	34.8	Pass
Band12	3	714.5	16QAM	8	MID	22.18	28.26	6.08	13	-4.74	15.29	34.8	Pass
Band12	3	714.5	16QAM	8	HIGH	22.4	28.5	6.1	13	-4.74	15.51	34.8	Pass
Band12	3	714.5	16QAM	1	LOW	22.67	27.8	5.13	13	-4.74	15.78	34.8	Pass
Band12	3	714.5	16QAM	1	MID	22.83	27.71	4.88	13	-4.74	15.94	34.8	Pass
Band12	3	714.5	16QAM	1	HIGH	22.91	27.58	4.67	13	-4.74	16.02	34.8	Pass
Band12	5	701.5	QPSK	25	LOW	22.66	28.77	6.11	13	-4.74	15.77	34.8	Pass
Band12	5	701.5	QPSK	12	LOW	23.15	28.89	5.74	13	-4.74	16.26	34.8	Pass

Band12	5	701.5	QPSK	12	MID	23.14	28.76	5.62	13	-4.74	16.25	34.8	Pass
Band12	5	701.5	QPSK	12	HIGH	22.87	28.6	5.73	13	-4.74	15.98	34.8	Pass
Band12	5	701.5	QPSK	1	LOW	24.06	29.27	5.21	13	-4.74	17.17	34.8	Pass
Band12	5	701.5	QPSK	1	MID	23.93	29.18	5.25	13	-4.74	17.04	34.8	Pass
Band12	5	701.5	QPSK	1	HIGH	24.08	29.26	5.18	13	-4.74	17.19	34.8	Pass
Band12	5	701.5	16QAM	25	LOW	21.96	29.39	7.43	13	-4.74	15.07	34.8	Pass
Band12	5	701.5	16QAM	12	LOW	22.17	29.07	6.9	13	-4.74	15.28	34.8	Pass
Band12	5	701.5	16QAM	12	MID	22.17	29.1	6.93	13	-4.74	15.28	34.8	Pass
Band12	5	701.5	16QAM	12	HIGH	21.83	28.97	7.14	13	-4.74	14.94	34.8	Pass
Band12	5	701.5	16QAM	1	LOW	22.45	28.1	5.65	13	-4.74	15.56	34.8	Pass
Band12	5	701.5	16QAM	1	MID	22.16	27.89	5.73	13	-4.74	15.27	34.8	Pass
Band12	5	701.5	16QAM	1	HIGH	22.22	27.97	5.75	13	-4.74	15.33	34.8	Pass
Band12	5	707.5	QPSK	25	LOW	22.72	29.45	6.73	13	-4.74	15.83	34.8	Pass
Band12	5	707.5	QPSK	12	LOW	22.87	29.39	6.52	13	-4.74	15.98	34.8	Pass
Band12	5	707.5	QPSK	12	MID	22.88	29.14	6.26	13	-4.74	15.99	34.8	Pass
Band12	5	707.5	QPSK	12	HIGH	22.84	29.5	6.66	13	-4.74	15.95	34.8	Pass
Band12	5	707.5	QPSK	1	LOW	23.96	29.3	5.34	13	-4.74	17.07	34.8	Pass
Band12	5	707.5	QPSK	1	MID	23.94	29.12	5.18	13	-4.74	17.05	34.8	Pass
Band12	5	707.5	QPSK	1	HIGH	24.03	29.15	5.12	13	-4.74	17.14	34.8	Pass
Band12	5	707.5	16QAM	25	LOW	22.06	30.07	8.01	13	-4.74	15.17	34.8	Pass
Band12	5	707.5	16QAM	12	LOW	22.25	28.86	6.61	13	-4.74	15.36	34.8	Pass
Band12	5	707.5	16QAM	12	MID	22.26	29.04	6.78	13	-4.74	15.37	34.8	Pass
Band12	5	707.5	16QAM	12	HIGH	21.93	28.77	6.84	13	-4.74	15.04	34.8	Pass
Band12	5	707.5	16QAM	1	LOW	22.95	28.6	5.65	13	-4.74	16.06	34.8	Pass
Band12	5	707.5	16QAM	1	MID	22.95	28.76	5.81	13	-4.74	16.06	34.8	Pass
Band12	5	707.5	16QAM	1	HIGH	23.06	28.83	5.77	13	-4.74	16.17	34.8	Pass
Band12	5	713.5	QPSK	25	LOW	22.89	28.79	5.9	13	-4.74	16	34.8	Pass
Band12	5	713.5	QPSK	12	LOW	22.96	28.81	5.85	13	-4.74	16.07	34.8	Pass
Band12	5	713.5	QPSK	12	MID	22.95	28.66	5.71	13	-4.74	16.06	34.8	Pass
Band12	5	713.5	QPSK	12	HIGH	22.88	28.46	5.58	13	-4.74	15.99	34.8	Pass
Band12	5	713.5	QPSK	1	LOW	23.8	29	5.2	13	-4.74	16.91	34.8	Pass
Band12	5	713.5	QPSK	1	MID	23.88	28.67	4.79	13	-4.74	16.99	34.8	Pass
Band12	5	713.5	QPSK	1	HIGH	23.85	28.24	4.39	13	-4.74	16.96	34.8	Pass
Band12	5	713.5	16QAM	25	LOW	21.85	28.66	6.81	13	-4.74	14.96	34.8	Pass
Band12	5	713.5	16QAM	12	LOW	21.73	28.53	6.8	13	-4.74	14.84	34.8	Pass
Band12	5	713.5	16QAM	12	MID	21.89	28.73	6.84	13	-4.74	15	34.8	Pass
Band12	5	713.5	16QAM	12	HIGH	21.81	28.44	6.63	13	-4.74	14.92	34.8	Pass
Band12	5	713.5	16QAM	1	LOW	22.63	28.88	6.25	13	-4.74	15.74	34.8	Pass
Band12	5	713.5	16QAM	1	MID	22.49	28.46	5.97	13	-4.74	15.6	34.8	Pass
Band12	5	713.5	16QAM	1	HIGH	22.78	28.26	5.48	13	-4.74	15.89	34.8	Pass
Band12	10	704	QPSK	50	LOW	22.83	29.12	6.29	13	-4.74	15.94	34.8	Pass
Band12	10	704	QPSK	25	LOW	22.84	28.93	6.09	13	-4.74	15.95	34.8	Pass
Band12	10	704	QPSK	25	MID	22.84	28.96	6.12	13	-4.74	15.95	34.8	Pass
Band12	10	704	QPSK	25	HIGH	22.85	29.2	6.35	13	-4.74	15.96	34.8	Pass
Band12	10	704	QPSK	1	LOW	24.03	28.66	4.63	13	-4.74	17.14	34.8	Pass
Band12	10	704	QPSK	1	MID	23.99	28.74	4.75	13	-4.74	17.1	34.8	Pass

Band12	10	704	QPSK	1	HIGH	23.89	28.88	4.99	13	-4.74	17	34.8	Pass
Band12	10	704	16QAM	50	LOW	22.26	29.79	7.53	13	-4.74	15.37	34.8	Pass
Band12	10	704	16QAM	25	LOW	21.82	28.86	7.04	13	-4.74	14.93	34.8	Pass
Band12	10	704	16QAM	25	MID	21.83	28.86	7.03	13	-4.74	14.94	34.8	Pass
Band12	10	704	16QAM	25	HIGH	22.18	29.31	7.13	13	-4.74	15.29	34.8	Pass
Band12	10	704	16QAM	1	LOW	23.31	28.89	5.58	13	-4.74	16.42	34.8	Pass
Band12	10	704	16QAM	1	MID	23.03	28.89	5.86	13	-4.74	16.14	34.8	Pass
Band12	10	704	16QAM	1	HIGH	23.13	29.23	6.1	13	-4.74	16.24	34.8	Pass
Band12	10	707.5	QPSK	50	LOW	22.79	29.12	6.33	13	-4.74	15.9	34.8	Pass
Band12	10	707.5	QPSK	25	LOW	22.91	28.96	6.05	13	-4.74	16.02	34.8	Pass
Band12	10	707.5	QPSK	25	MID	22.92	28.97	6.05	13	-4.74	16.03	34.8	Pass
Band12	10	707.5	QPSK	25	HIGH	23.14	29.44	6.3	13	-4.74	16.25	34.8	Pass
Band12	10	707.5	QPSK	1	LOW	24	28.81	4.81	13	-4.74	17.11	34.8	Pass
Band12	10	707.5	QPSK	1	MID	23.97	29.14	5.17	13	-4.74	17.08	34.8	Pass
Band12	10	707.5	QPSK	1	HIGH	23.96	28.94	4.98	13	-4.74	17.07	34.8	Pass
Band12	10	707.5	16QAM	50	LOW	22.07	29.18	7.11	13	-4.74	15.18	34.8	Pass
Band12	10	707.5	16QAM	25	LOW	22.24	29.35	7.11	13	-4.74	15.35	34.8	Pass
Band12	10	707.5	16QAM	25	MID	22.26	29.34	7.08	13	-4.74	15.37	34.8	Pass
Band12	10	707.5	16QAM	25	HIGH	22.38	29.65	7.27	13	-4.74	15.49	34.8	Pass
Band12	10	707.5	16QAM	1	LOW	23.15	28.87	5.72	13	-4.74	16.26	34.8	Pass
Band12	10	707.5	16QAM	1	MID	23.2	28.18	4.98	13	-4.74	16.31	34.8	Pass
Band12	10	707.5	16QAM	1	HIGH	23.16	29.05	5.89	13	-4.74	16.27	34.8	Pass
Band12	10	711	QPSK	50	LOW	23.03	29.02	5.99	13	-4.74	16.14	34.8	Pass
Band12	10	711	QPSK	25	LOW	23.01	29.67	6.66	13	-4.74	16.12	34.8	Pass
Band12	10	711	QPSK	25	MID	22.87	29.57	6.7	13	-4.74	15.98	34.8	Pass
Band12	10	711	QPSK	25	HIGH	23.03	29.36	6.33	13	-4.74	16.14	34.8	Pass
Band12	10	711	QPSK	1	LOW	24.23	29.08	4.85	13	-4.74	17.34	34.8	Pass
Band12	10	711	QPSK	1	MID	24.29	29.11	4.82	13	-4.74	17.4	34.8	Pass
Band12	10	711	QPSK	1	HIGH	24.12	28.31	4.19	13	-4.74	17.23	34.8	Pass
Band12	10	711	16QAM	50	LOW	22.31	29.74	7.43	13	-4.74	15.42	34.8	Pass
Band12	10	711	16QAM	25	LOW	22.03	29.3	7.27	13	-4.74	15.14	34.8	Pass
Band12	10	711	16QAM	25	MID	22.04	29.31	7.27	13	-4.74	15.15	34.8	Pass
Band12	10	711	16QAM	25	HIGH	22.06	29.06	7	13	-4.74	15.17	34.8	Pass
Band12	10	711	16QAM	1	LOW	22.63	27.91	5.28	13	-4.74	15.74	34.8	Pass
Band12	10	711	16QAM	1	MID	22.69	27.99	5.3	13	-4.74	15.8	34.8	Pass
Band12	10	711	16QAM	1	HIGH	22.63	27.55	4.92	13	-4.74	15.74	34.8	Pass