

RF Test Data for LTE (Conducted Measurement)

Product Name: FastHelp Home Emergency Alert Device – V4-4G

Trade Mark: FastHelp

Test Model: FH-V4-4G

Sample ID: TZ210702403-1#

FCC ID: 2AJG4-FH-V4-4G

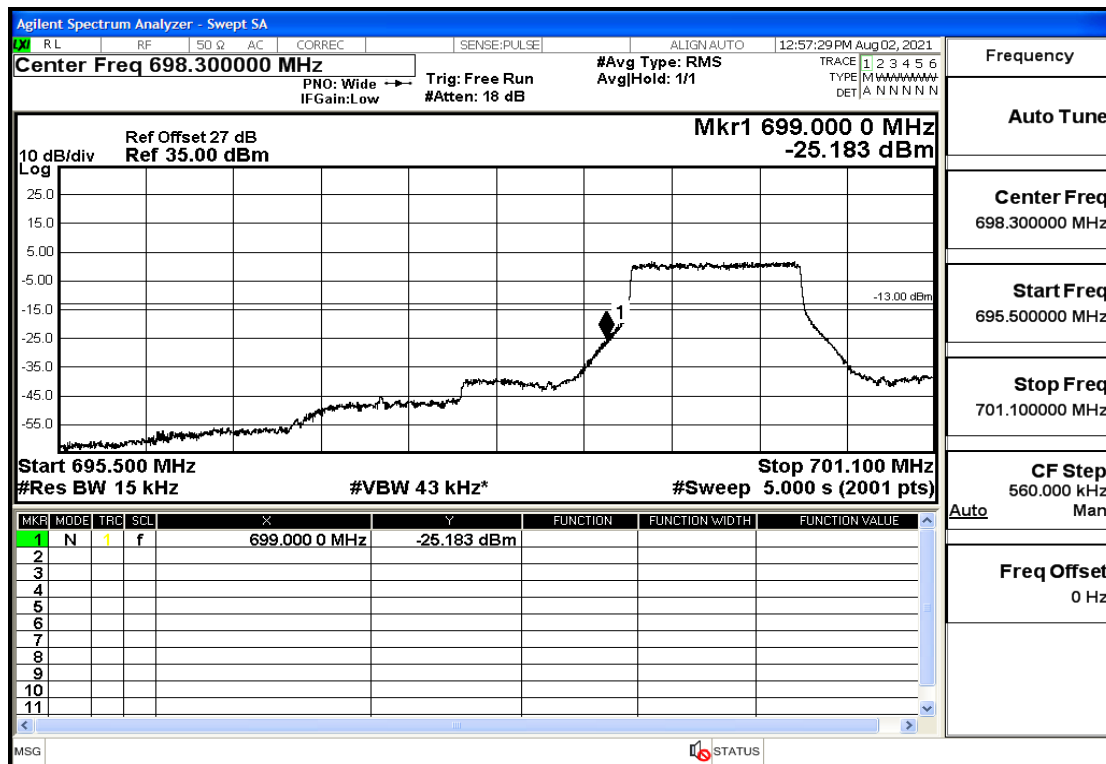
Environmental Conditions

Temperature:	23.8℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
Remark:	For LTE Band12

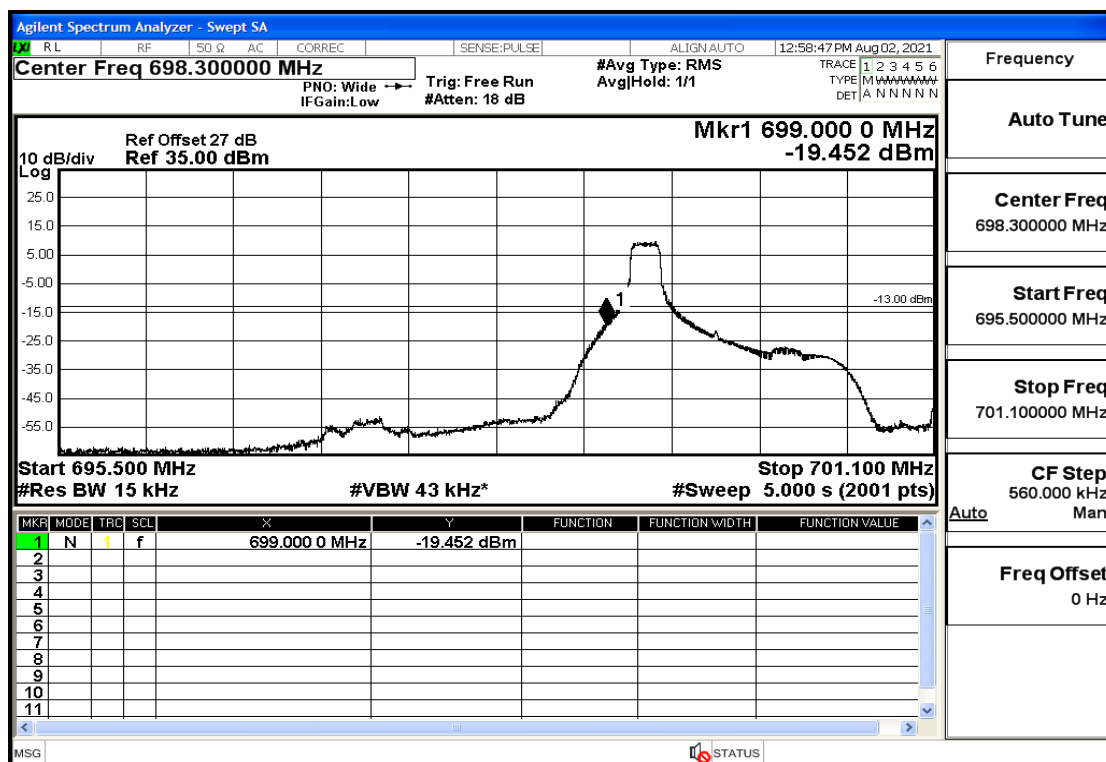
Band Edge and Emission Mask

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

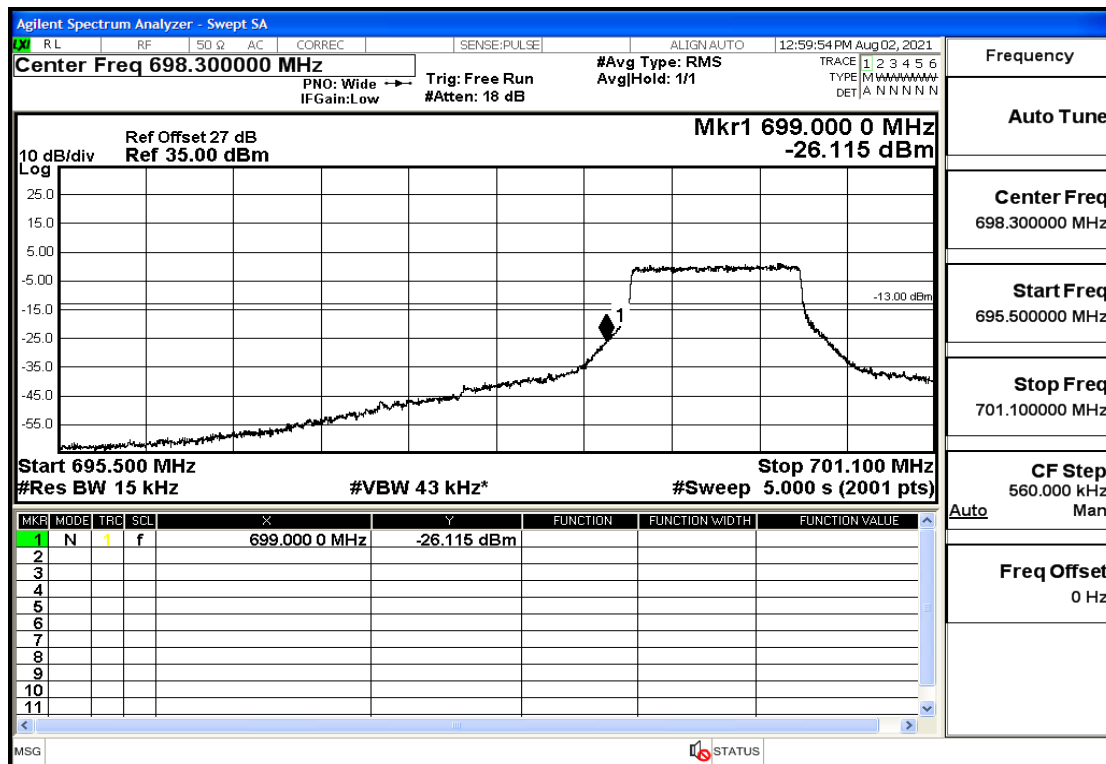
Band12-1.4-699.7-QPSK-6#LOW@Pass



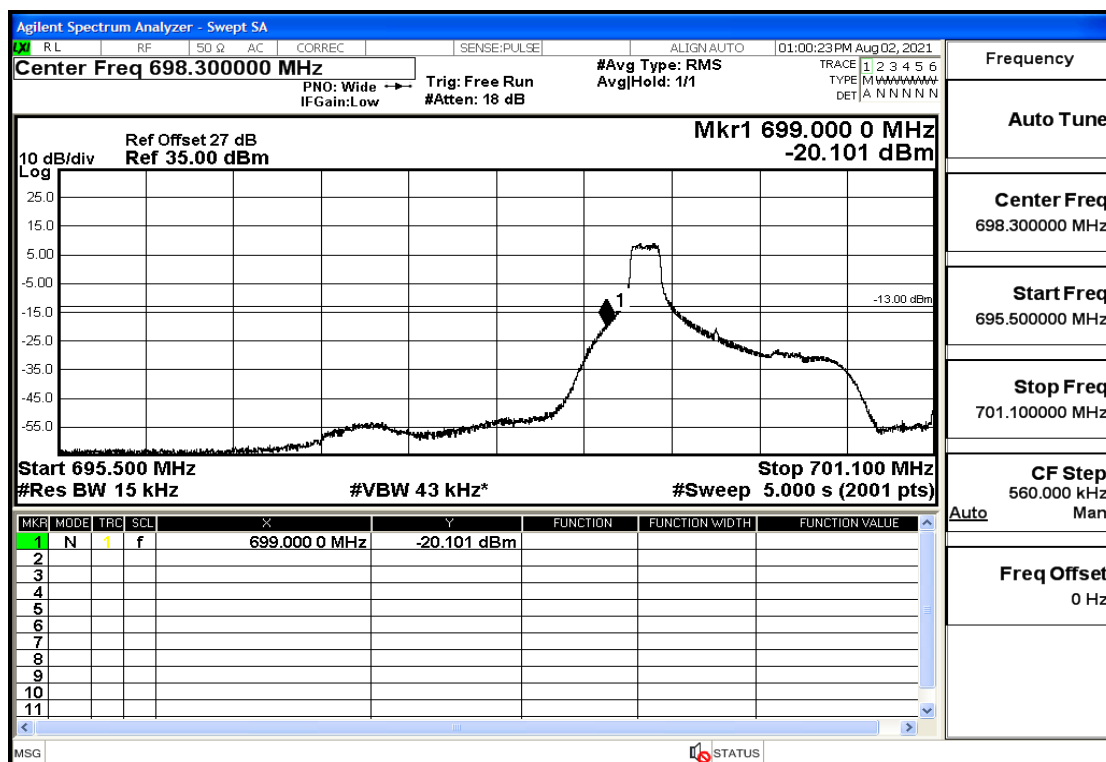
Band12-1.4-699.7-QPSK-1#LOW@Pass



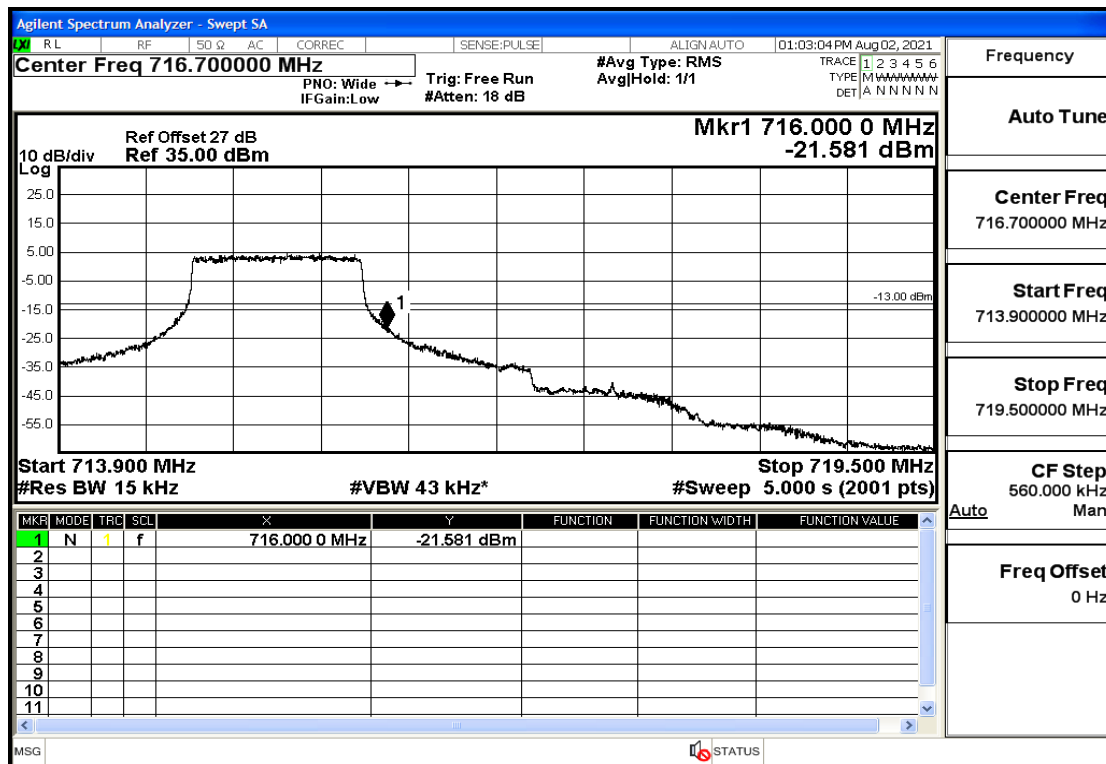
Band12-1.4-699.7-16QAM-6#LOW@Pass



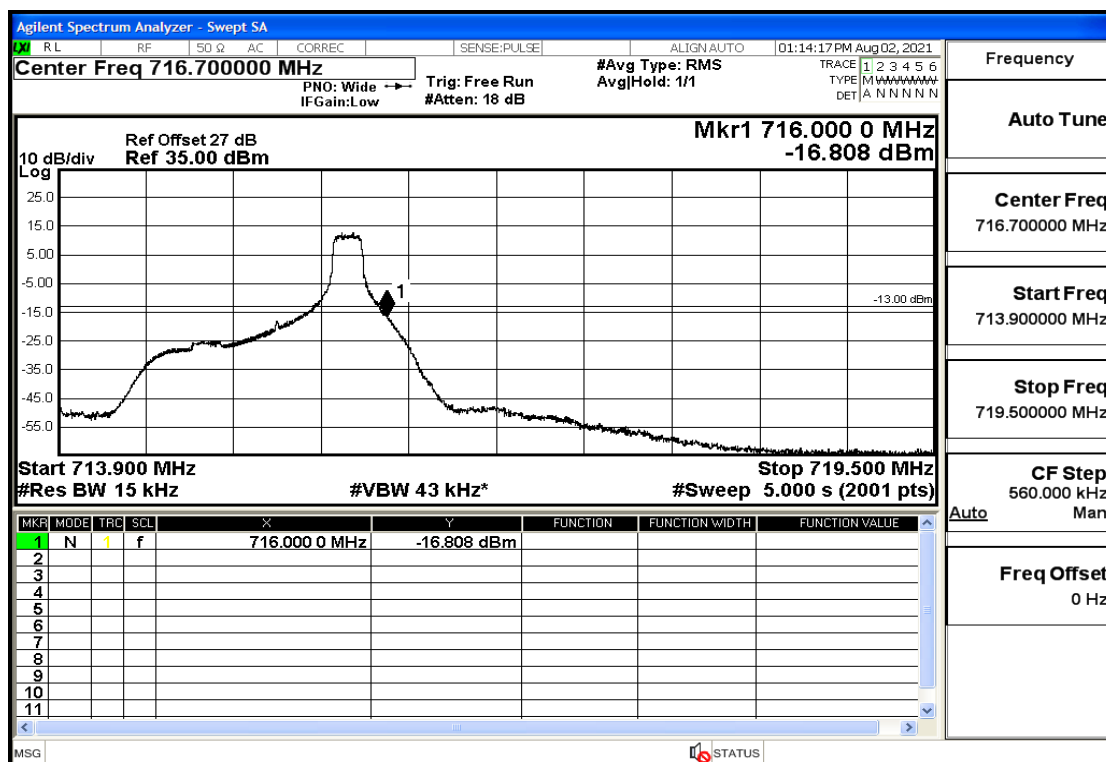
Band12-1.4-699.7-16QAM-1#LOW@Pass



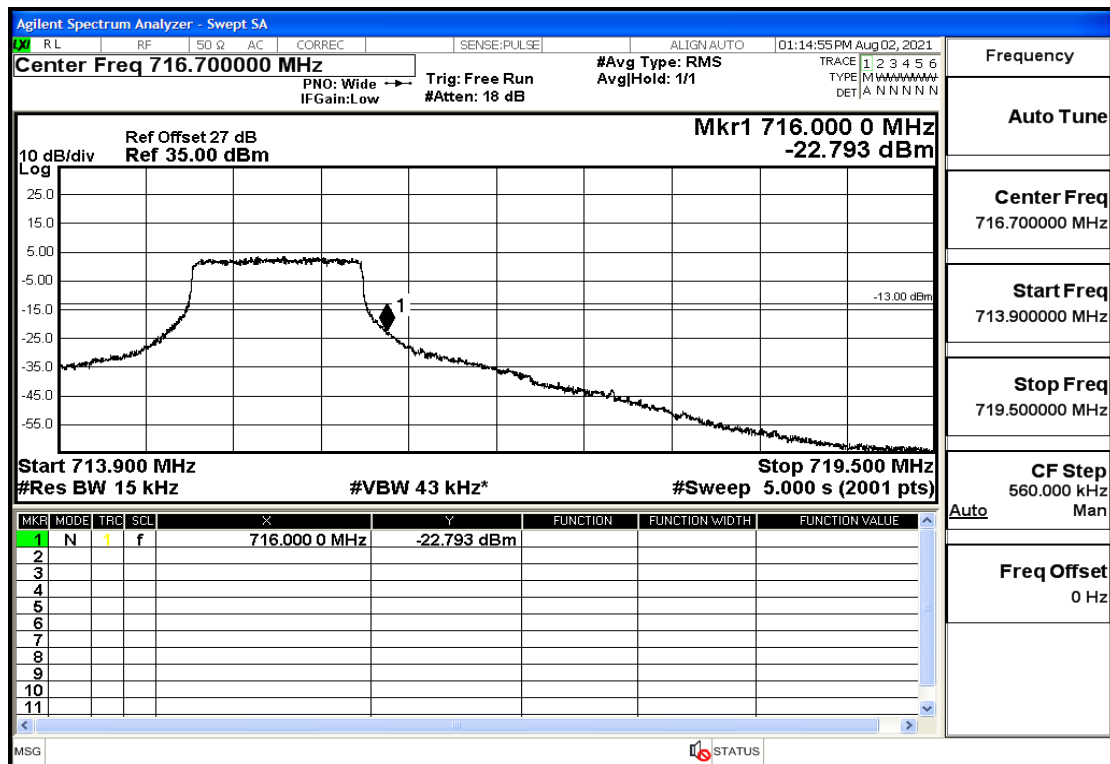
Band12-1.4-715.3-QPSK-6#LOW@Pass



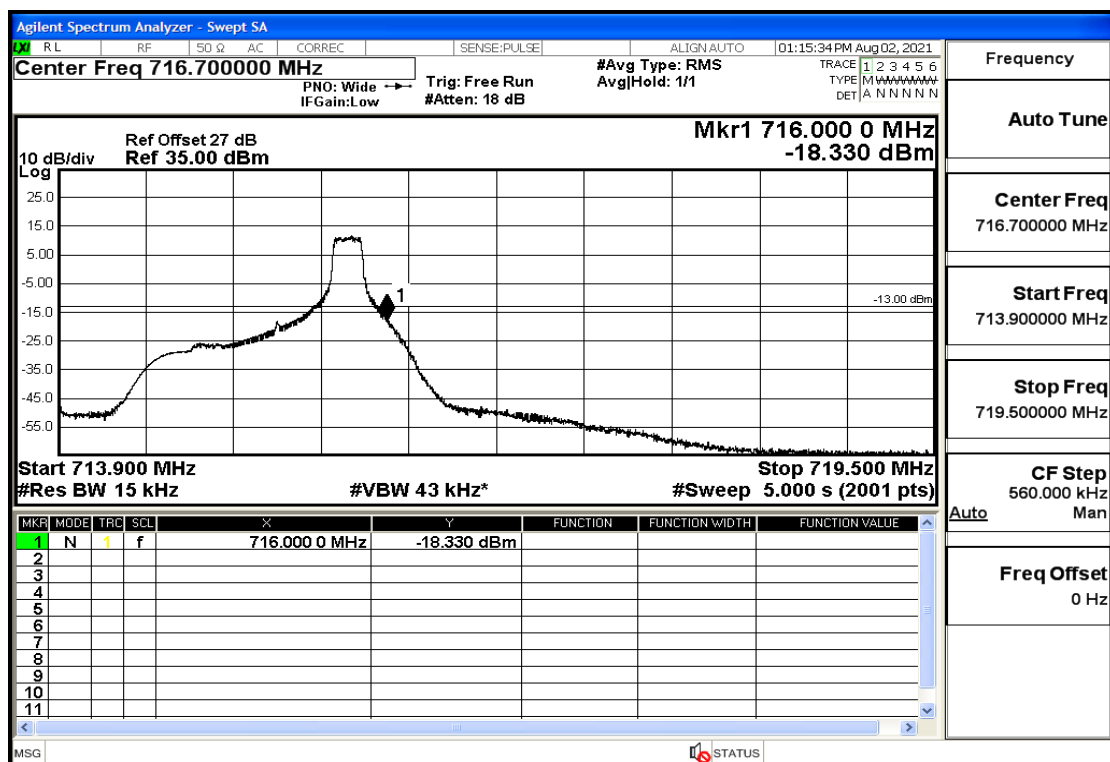
Band12-1.4-715.3-QPSK-1#HIGH@Pass



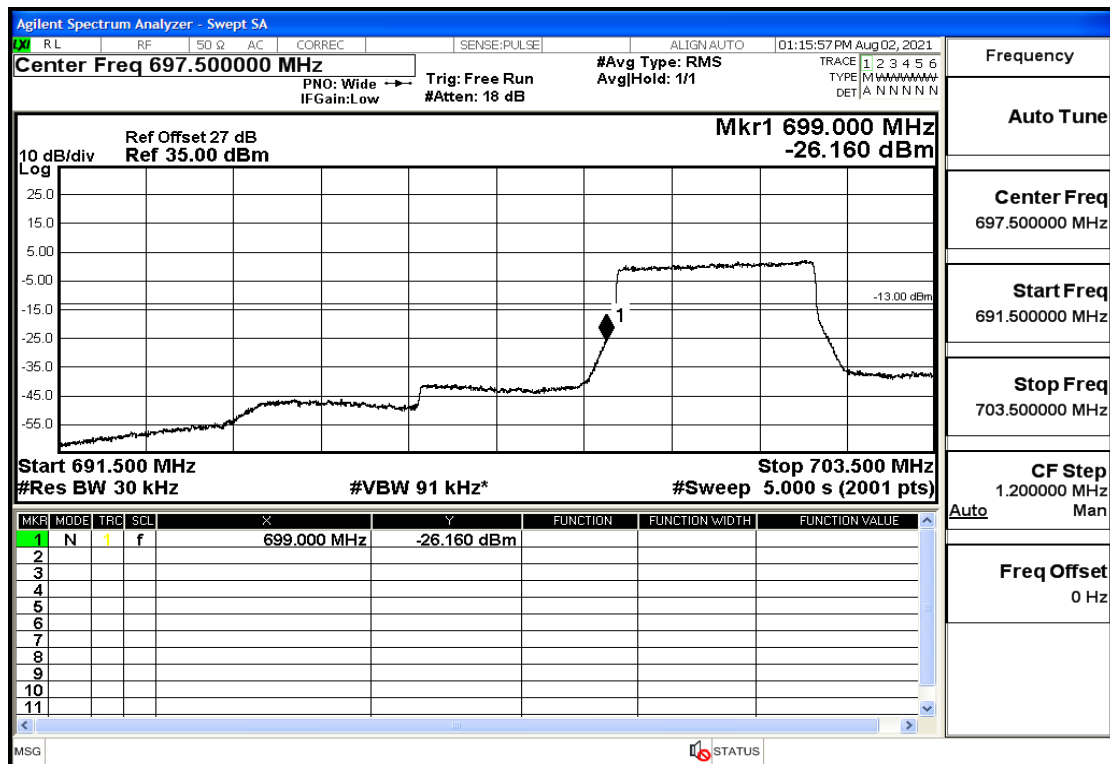
Band12-1.4-715.3-16QAM-6#LOW@Pass



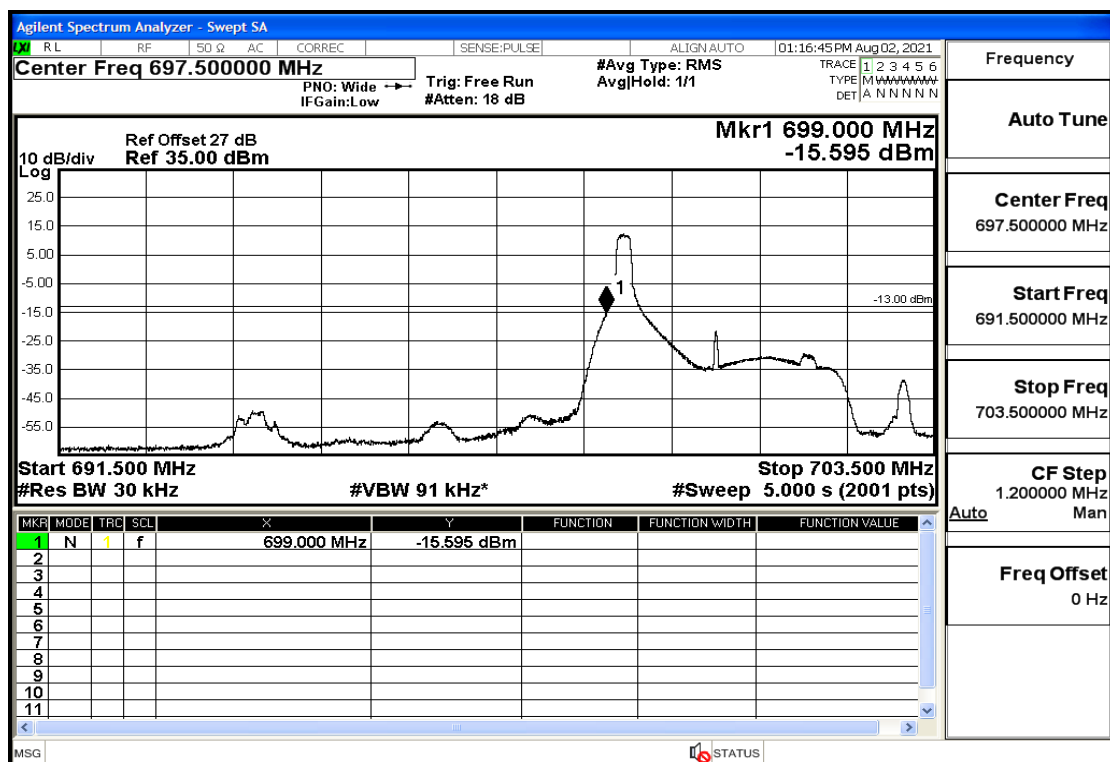
Band12-1.4-715.3-16QAM-1#HIGH@Pass



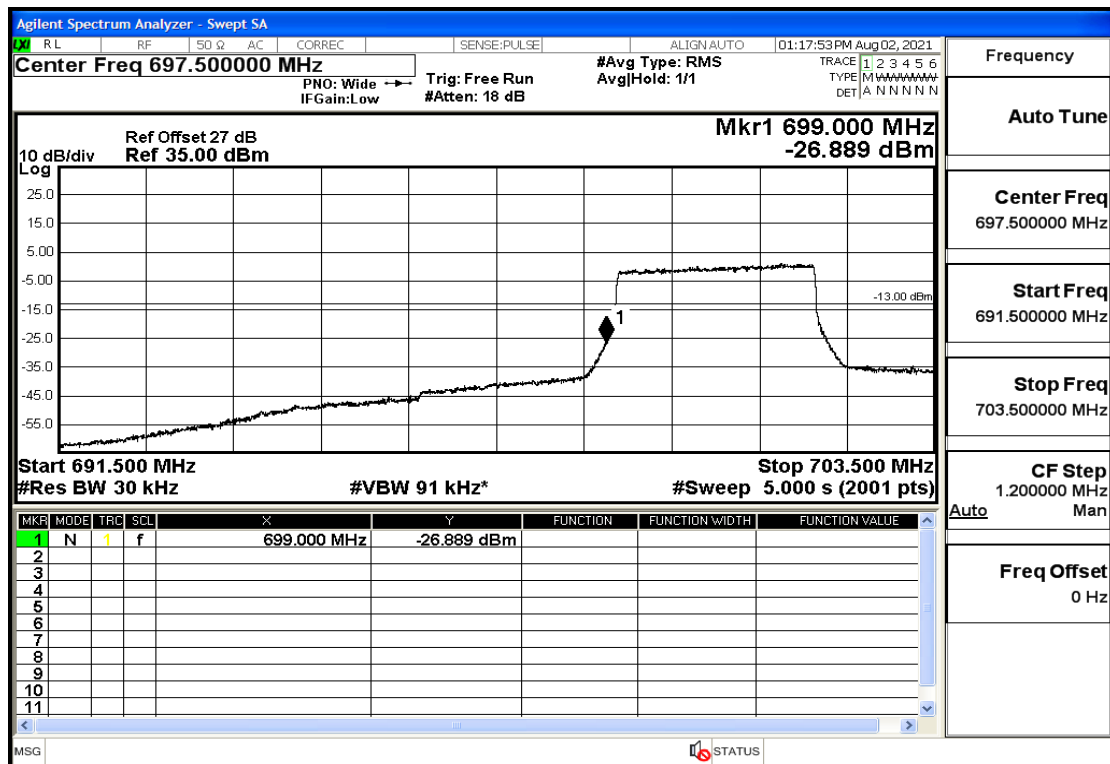
Band12-3-700.5-QPSK-15#LOW@Pass



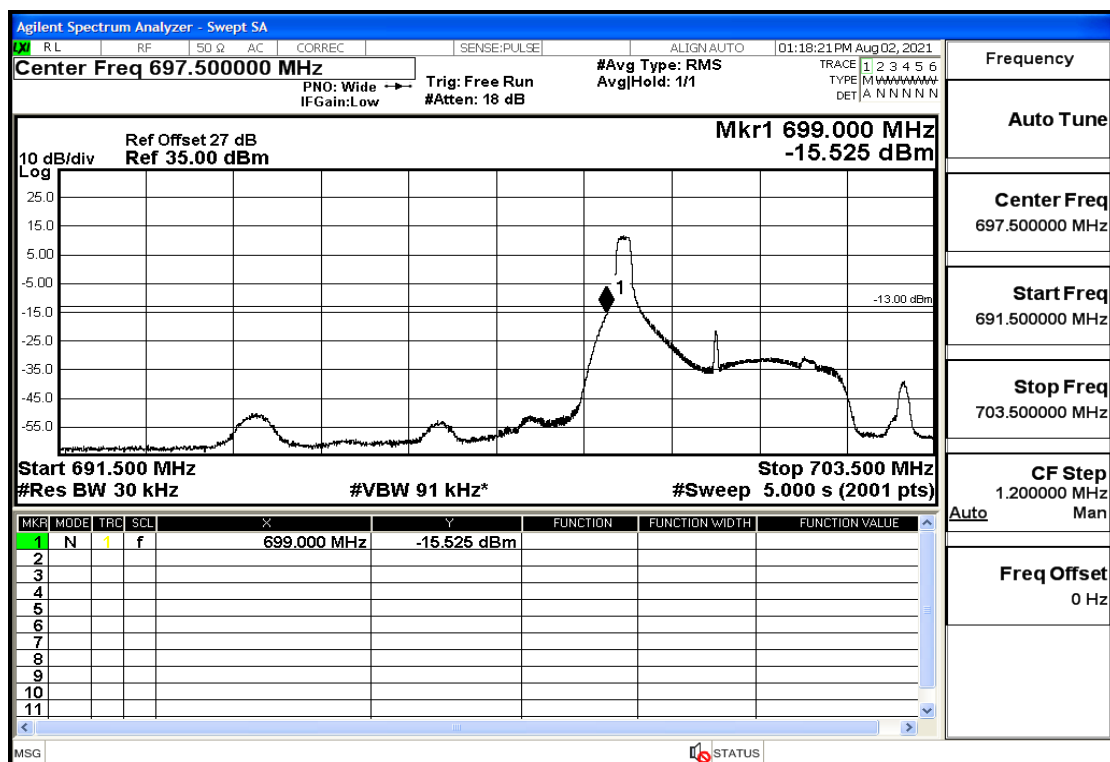
Band12-3-700.5-QPSK-1#LOW@Pass



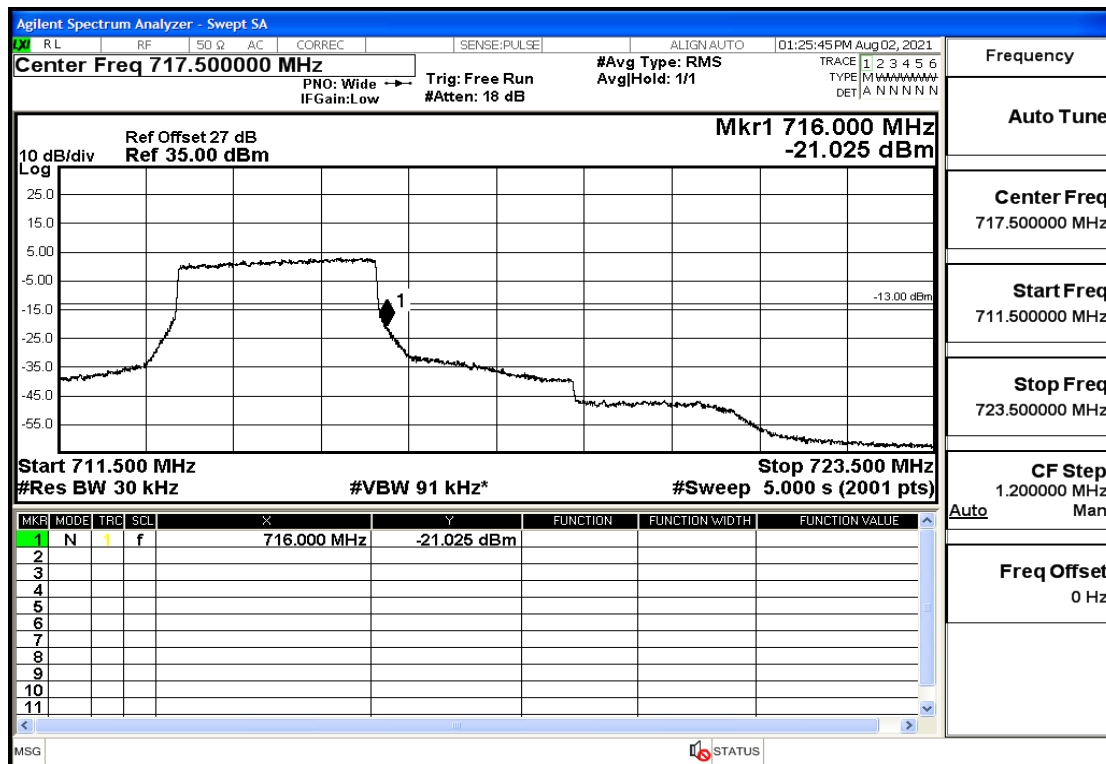
Band12-3-700.5-16QAM-15#LOW@Pass



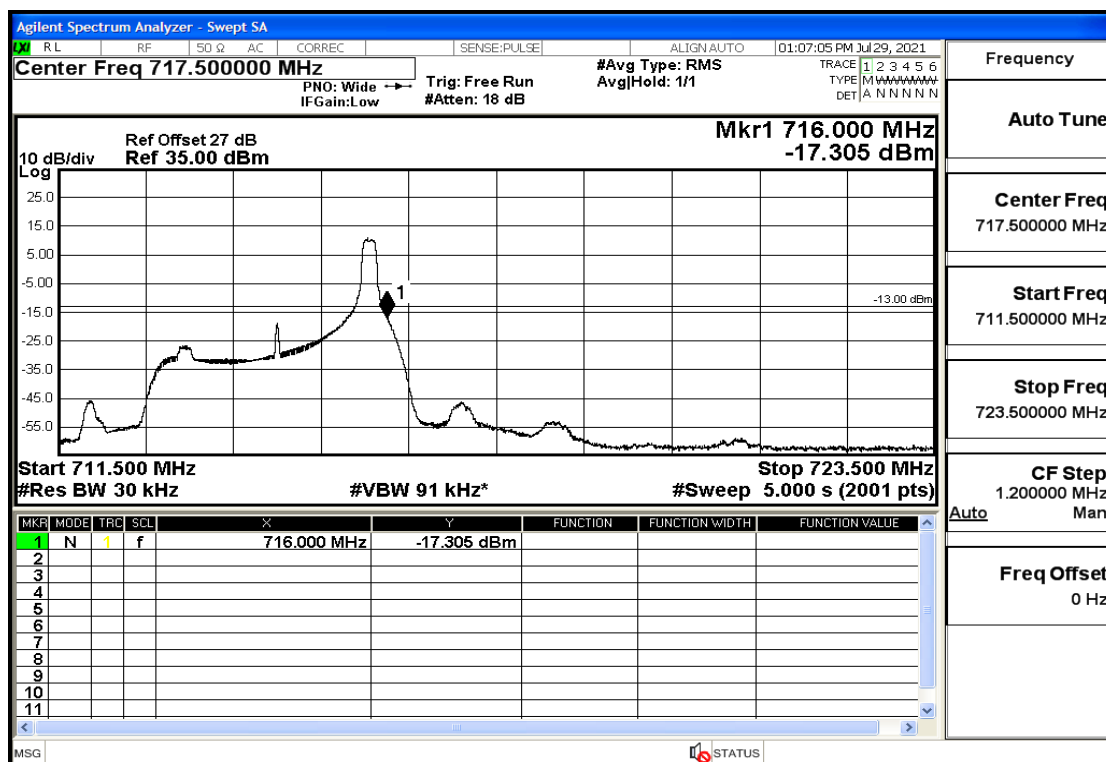
Band12-3-700.5-16QAM-1#LOW@Pass



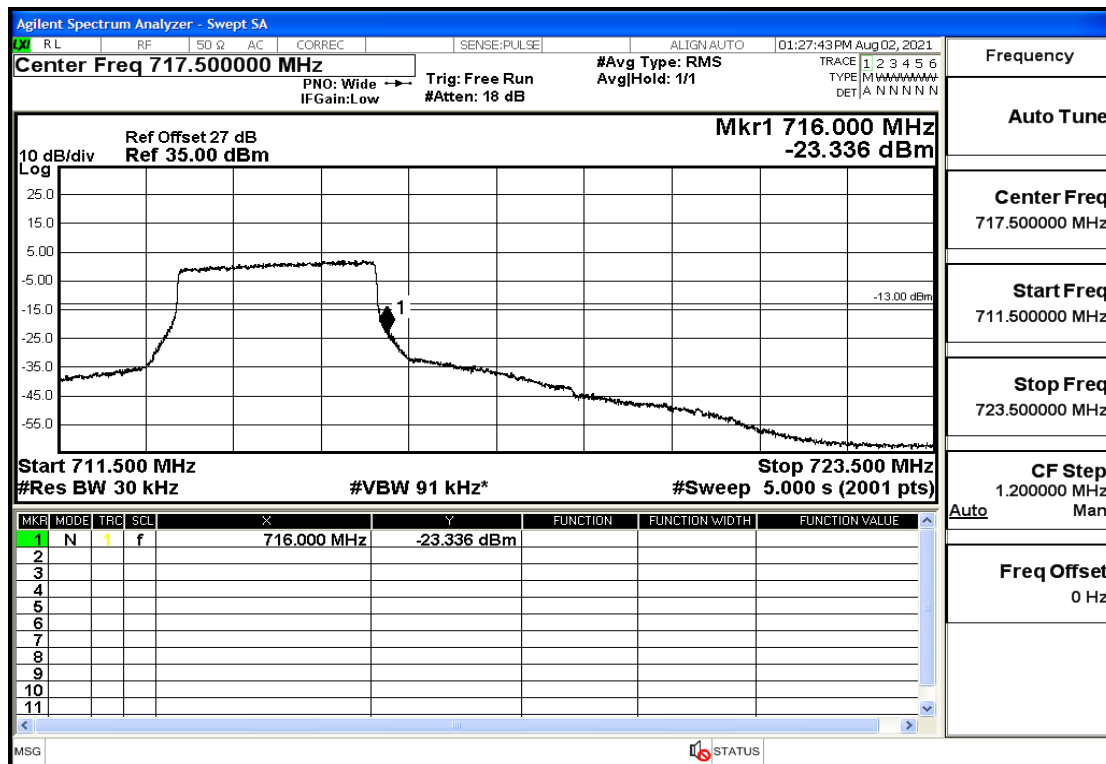
Band12-3-714.5-QPSK-15#LOW@Pass



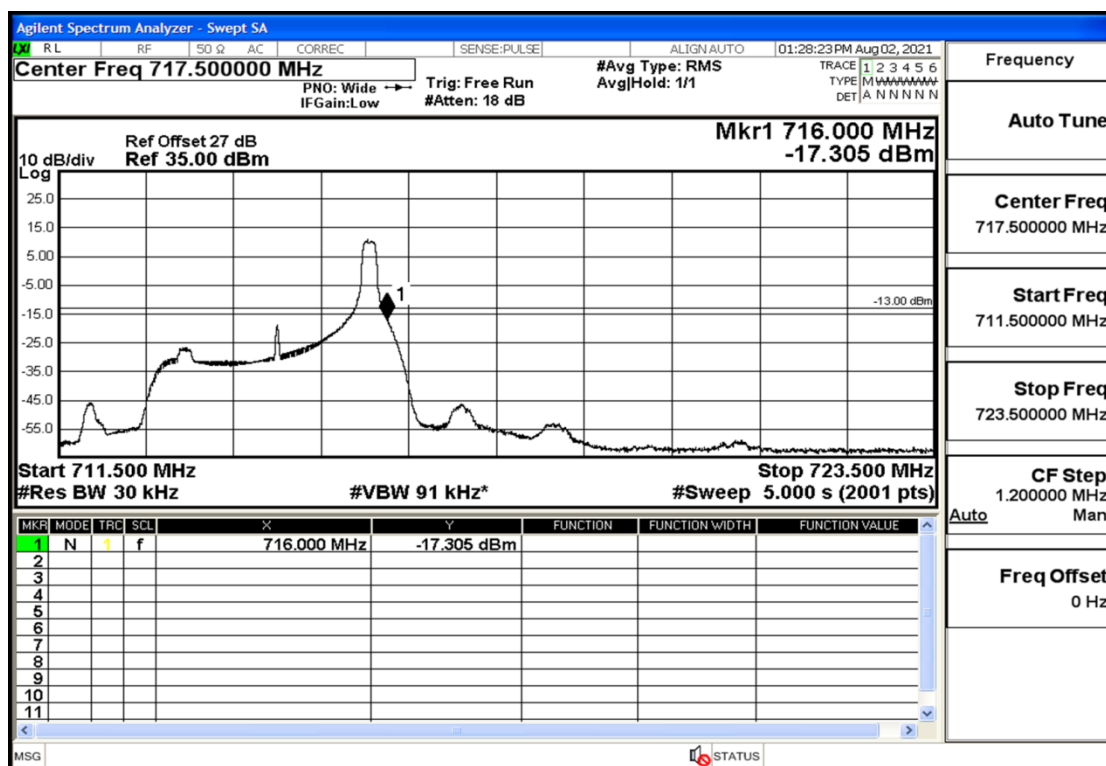
Band12-3-714.5-QPSK-1#HIGH@Pass



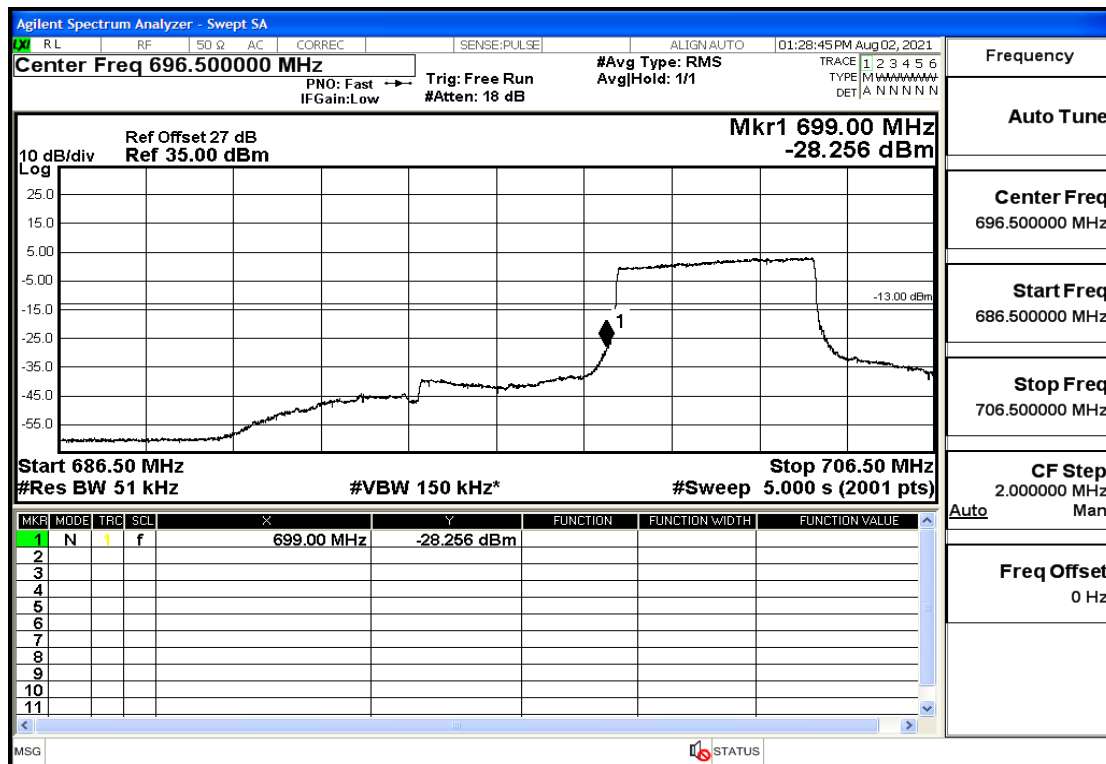
Band12-3-714.5-16QAM-15#LOW@Pass



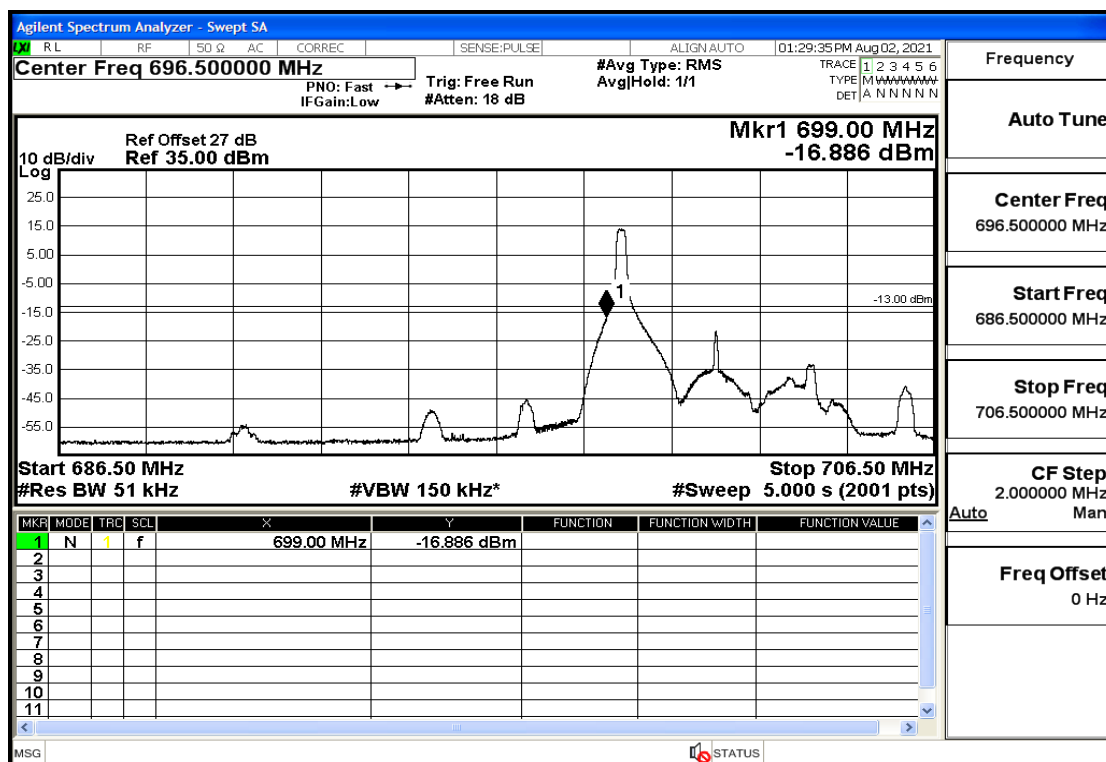
Band12-3-714.5-16QAM-1#HIGH@Pass



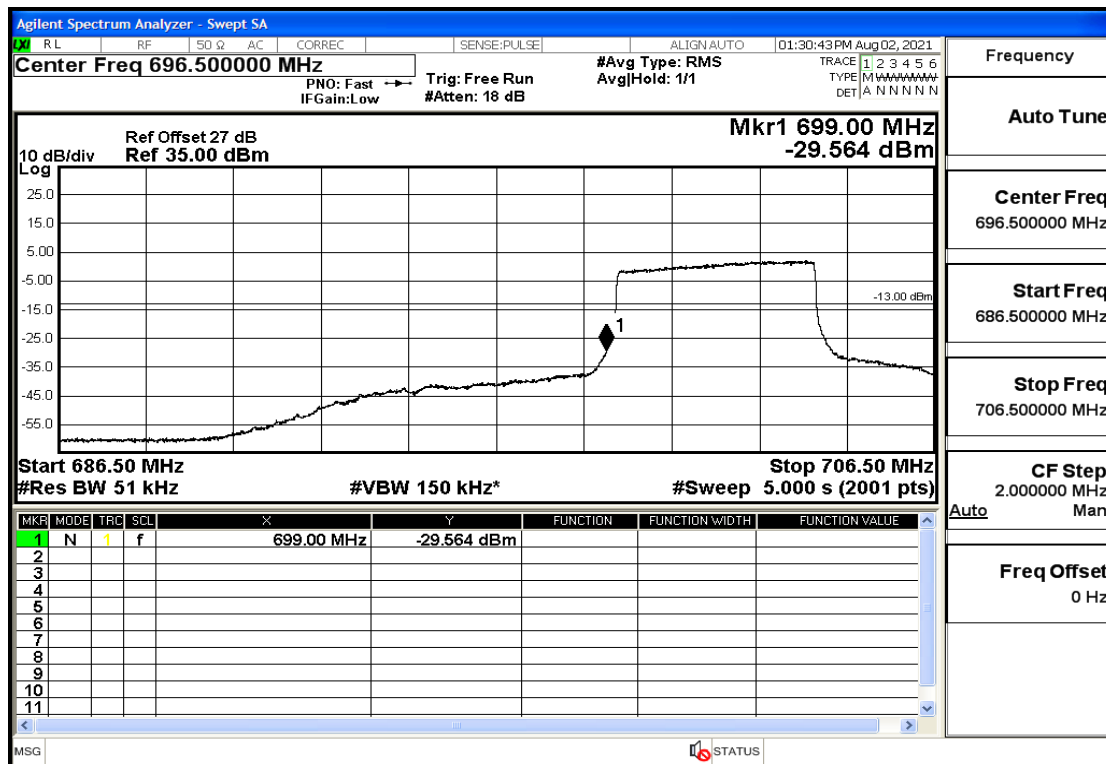
Band12-5-701.5-QPSK-25#LOW@Pass



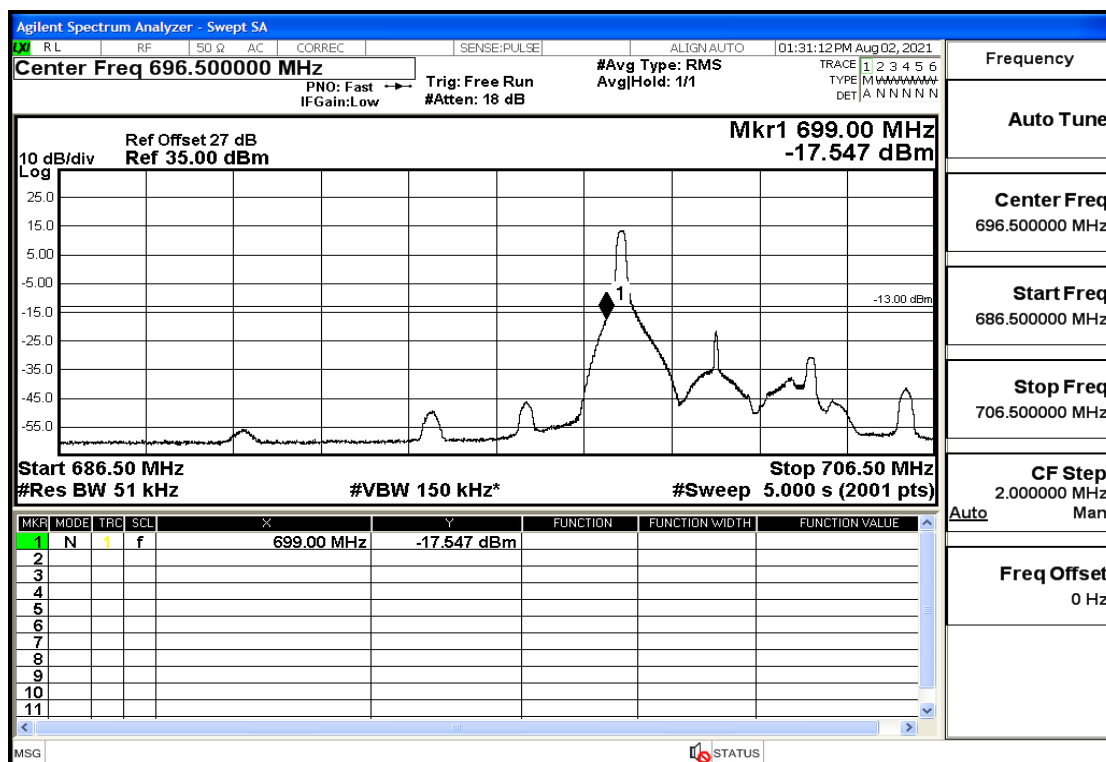
Band12-5-701.5-QPSK-1#LOW@Pass



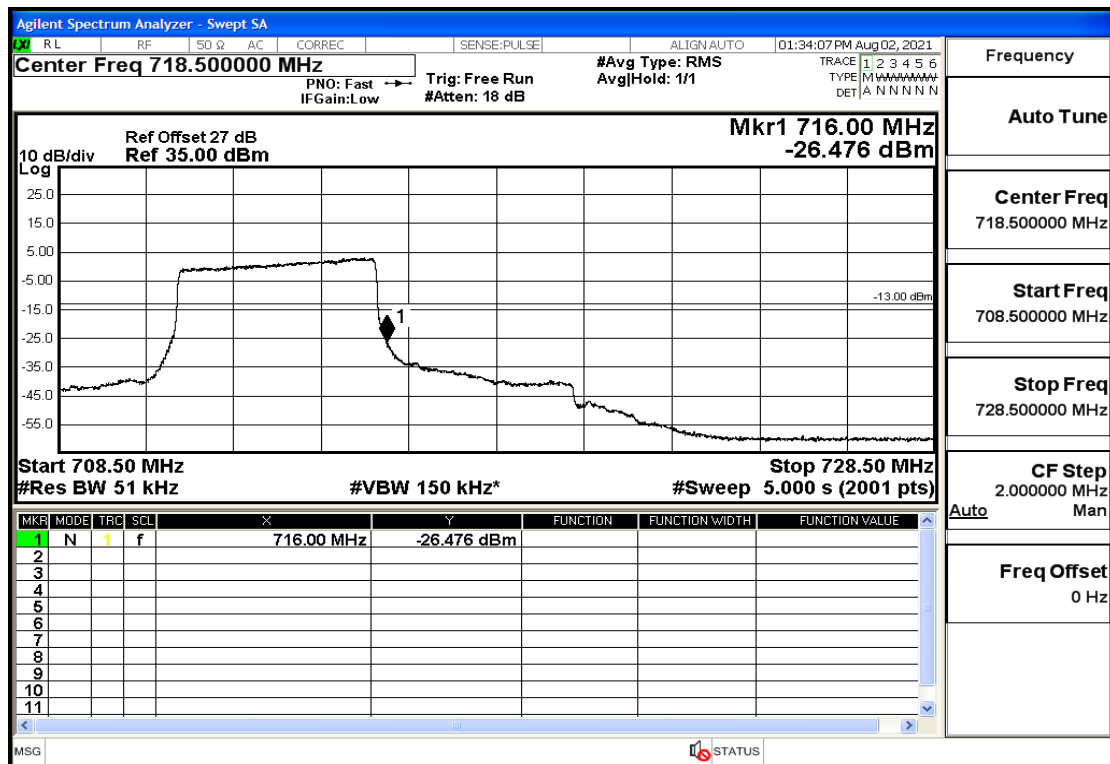
Band12-5-701.5-16QAM-25#LOW@Pass



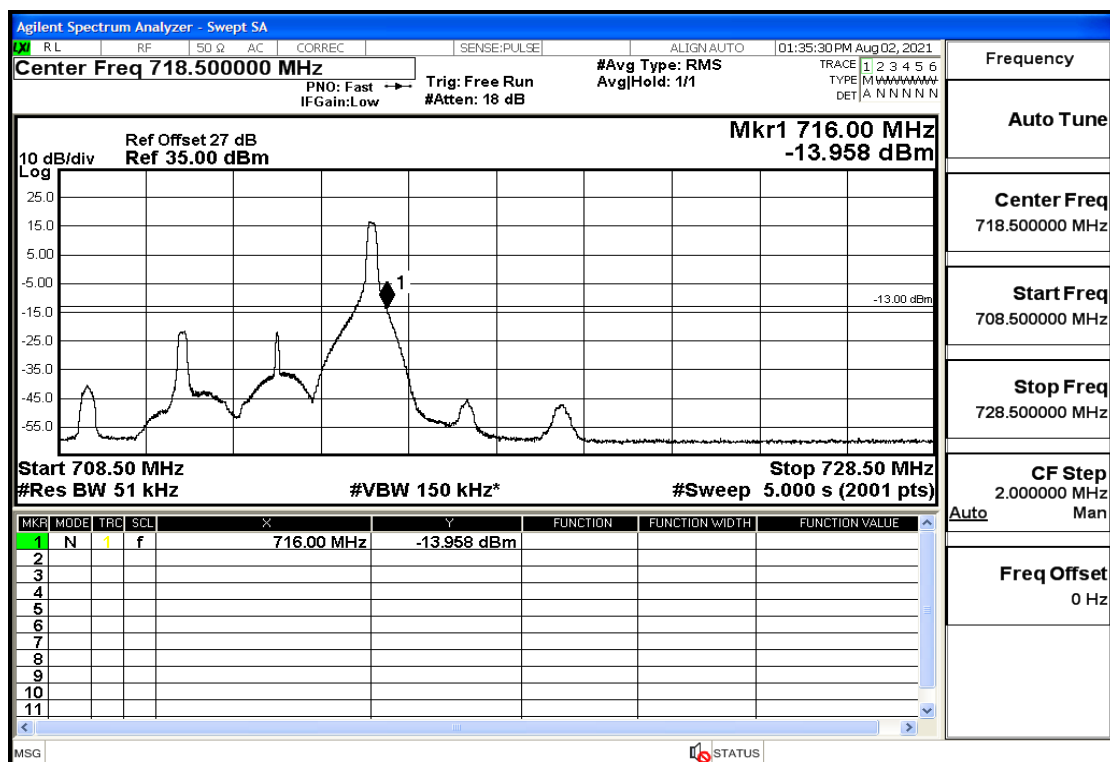
Band12-5-701.5-16QAM-1#LOW@Pass



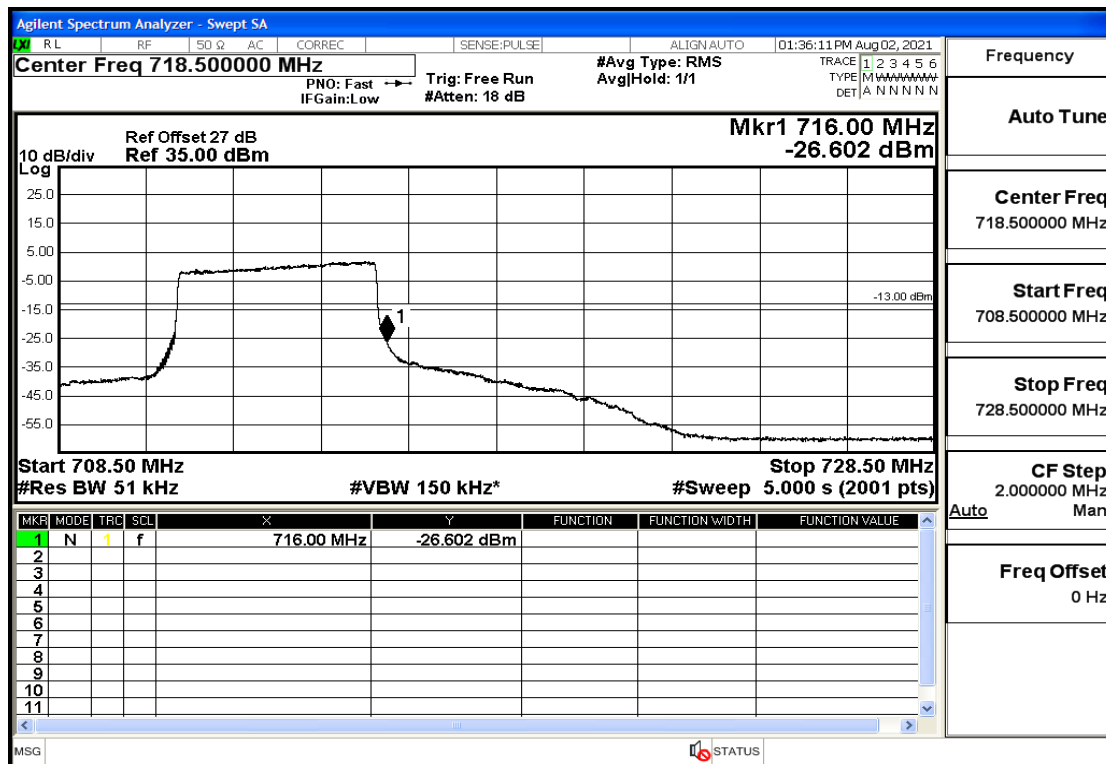
Band12-5-713.5-QPSK-25#LOW@Pass



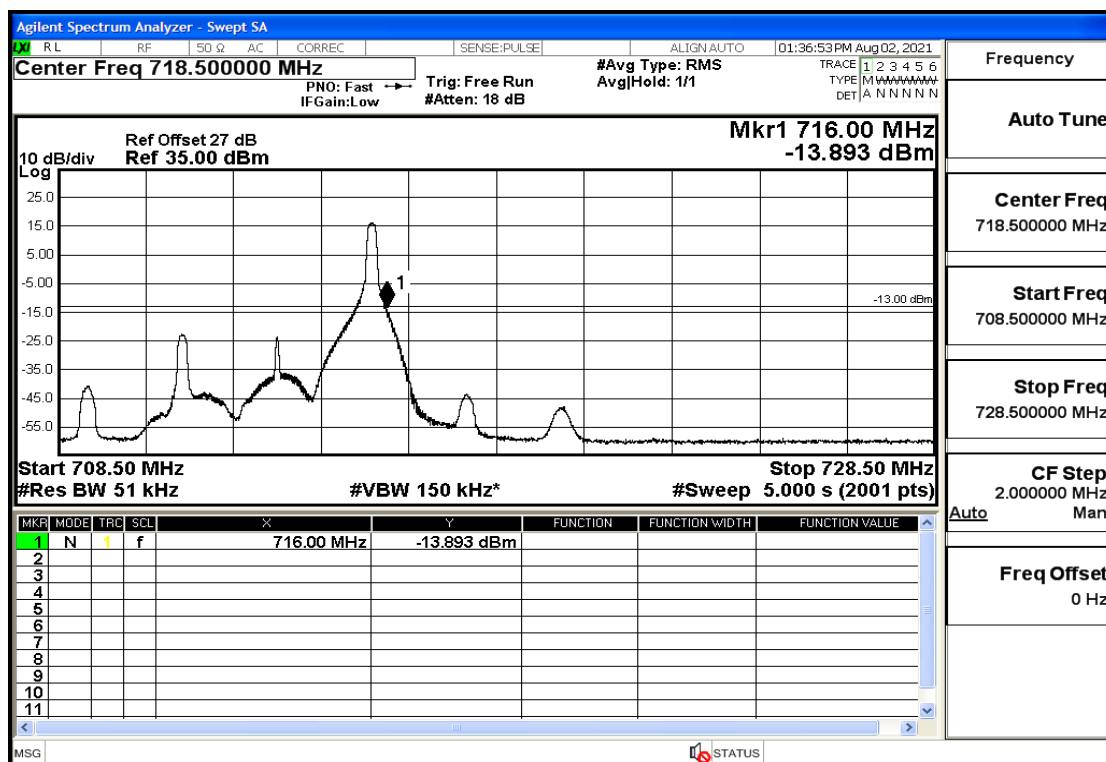
Band12-5-713.5-QPSK-1#HIGH@Pass



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



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

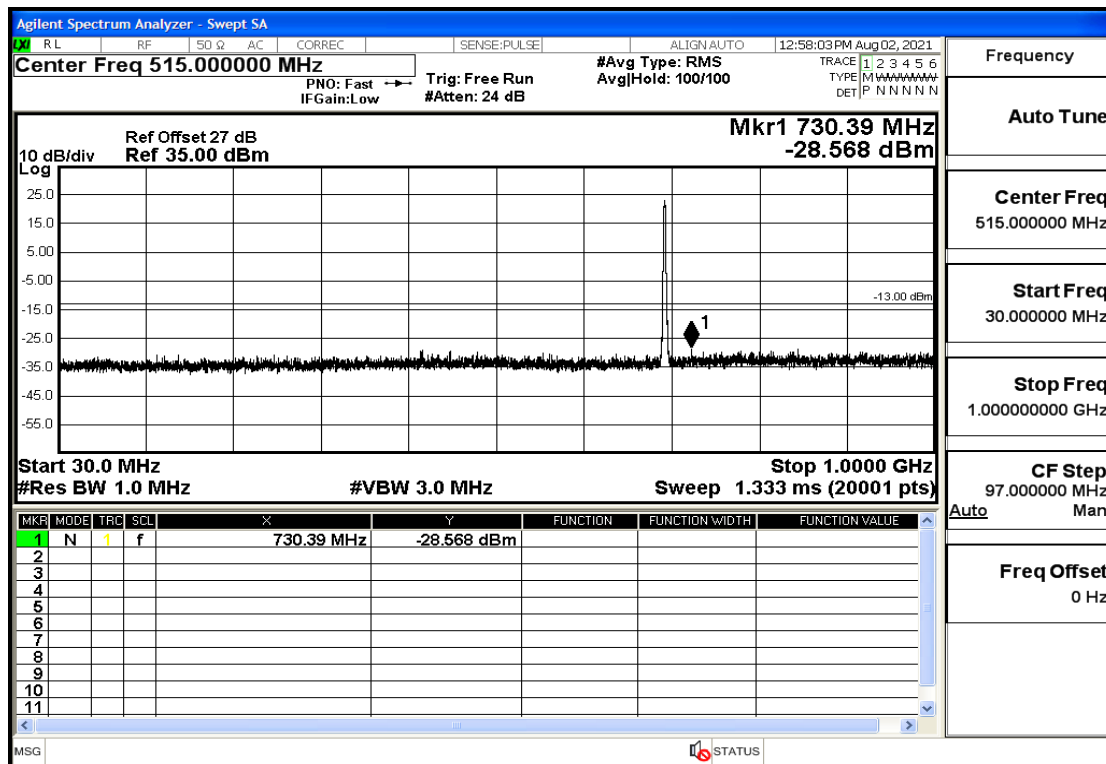


Conducted Spurious Emission

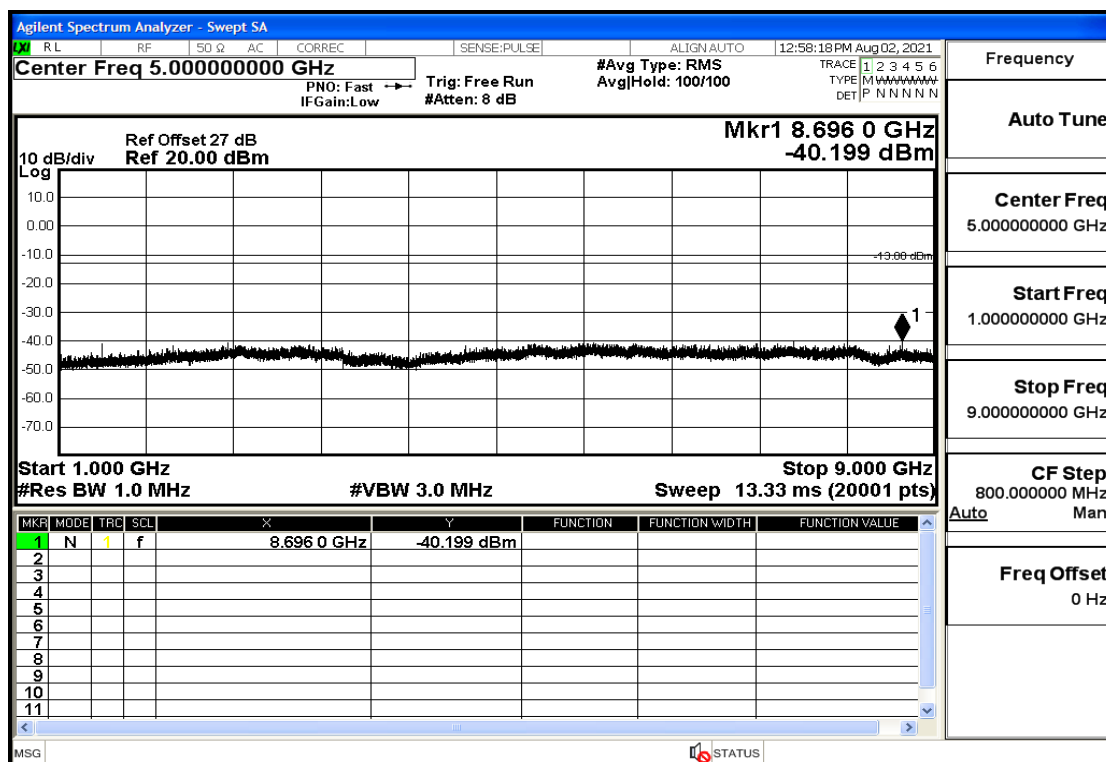
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Test Condition	Transmitter Spurious Emission(Pass/Fail)
OB12	1.4	699.7	QPSK	6	LOW	30mHz-1GHz	Pass
OB12	1.4	699.7	QPSK	6	LOW	1GHz-9GHz	Pass
OB12	1.4	699.7	QPSK	1	LOW	30mHz-1GHz	Pass
OB12	1.4	699.7	QPSK	1	LOW	1GHz-9GHz	Pass
OB12	1.4	699.7	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

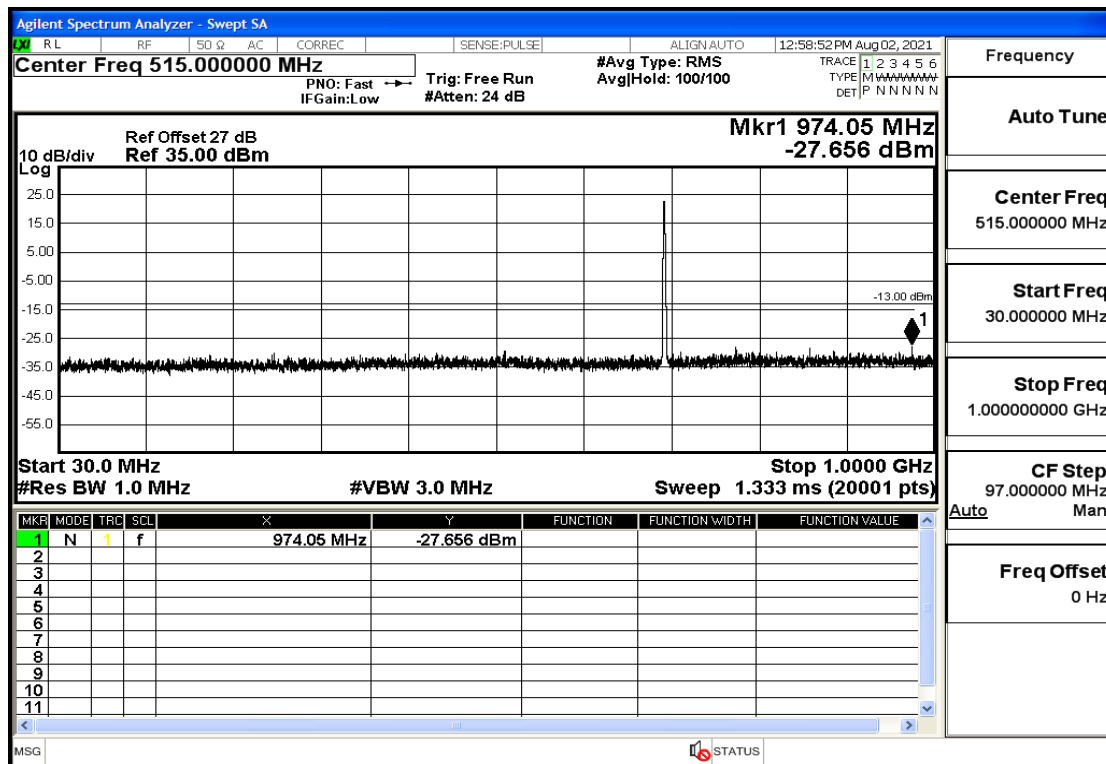
OB12-1.4-699.7-QPSK-6#LOW@30mHz-1GHz@Pass



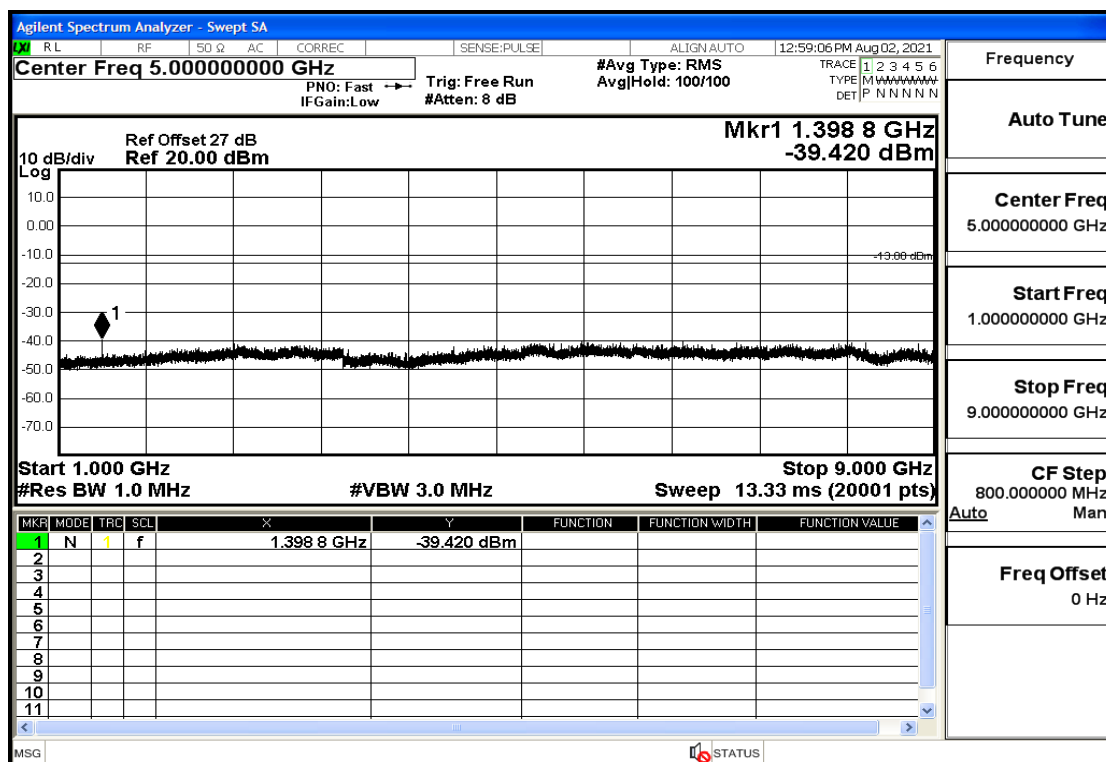
OB12-1.4-699.7-QPSK-6#LOW@1GHz-9GHz@Pass



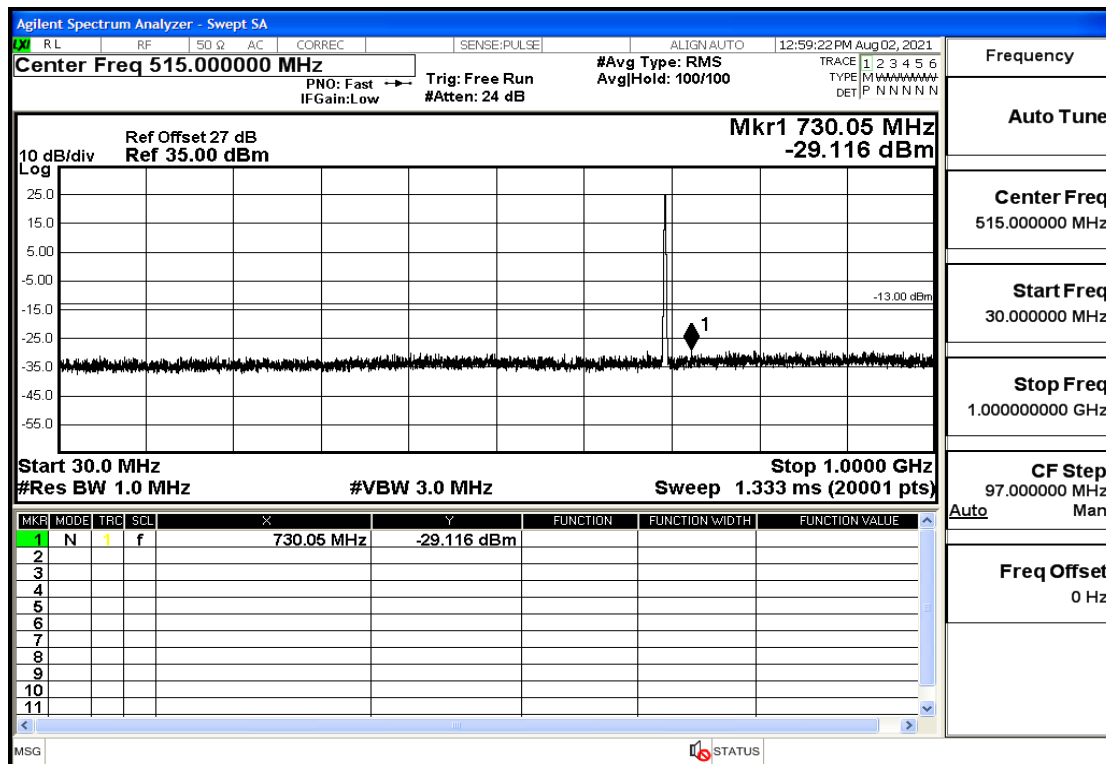
OB12-1.4-699.7-QPSK-1#LOW@30mHz-1GHz@Pass



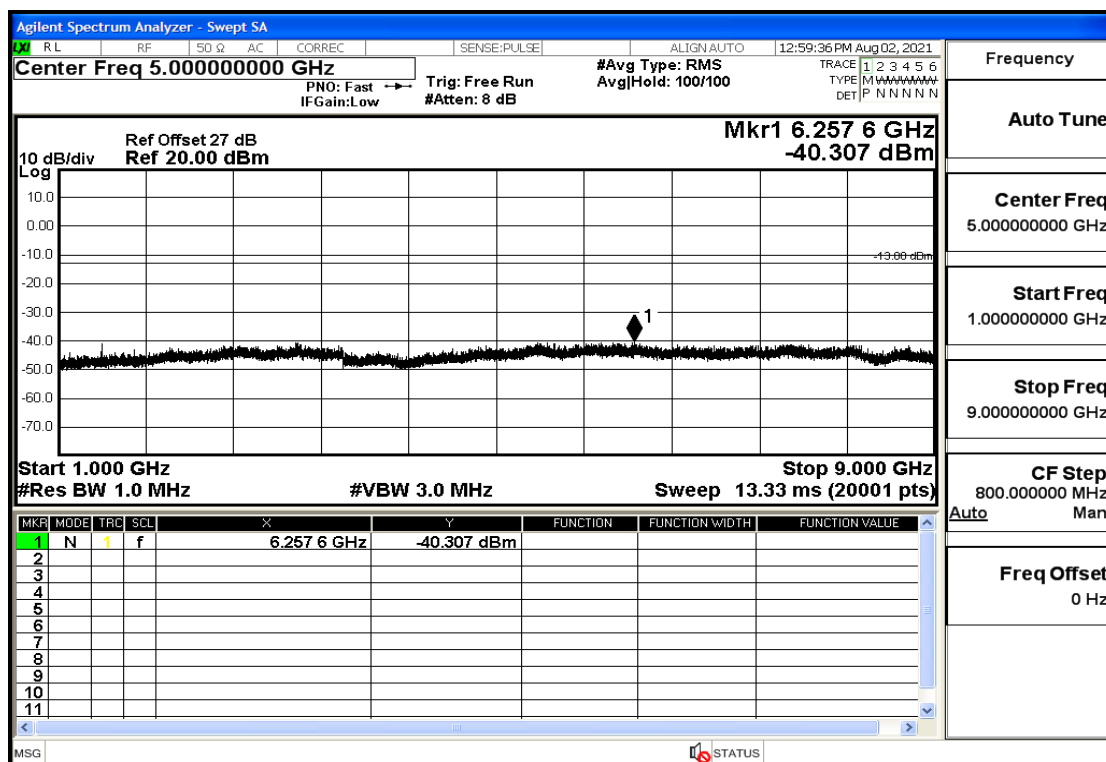
OB12-1.4-699.7-QPSK-1#LOW@1GHz-9GHz@Pass



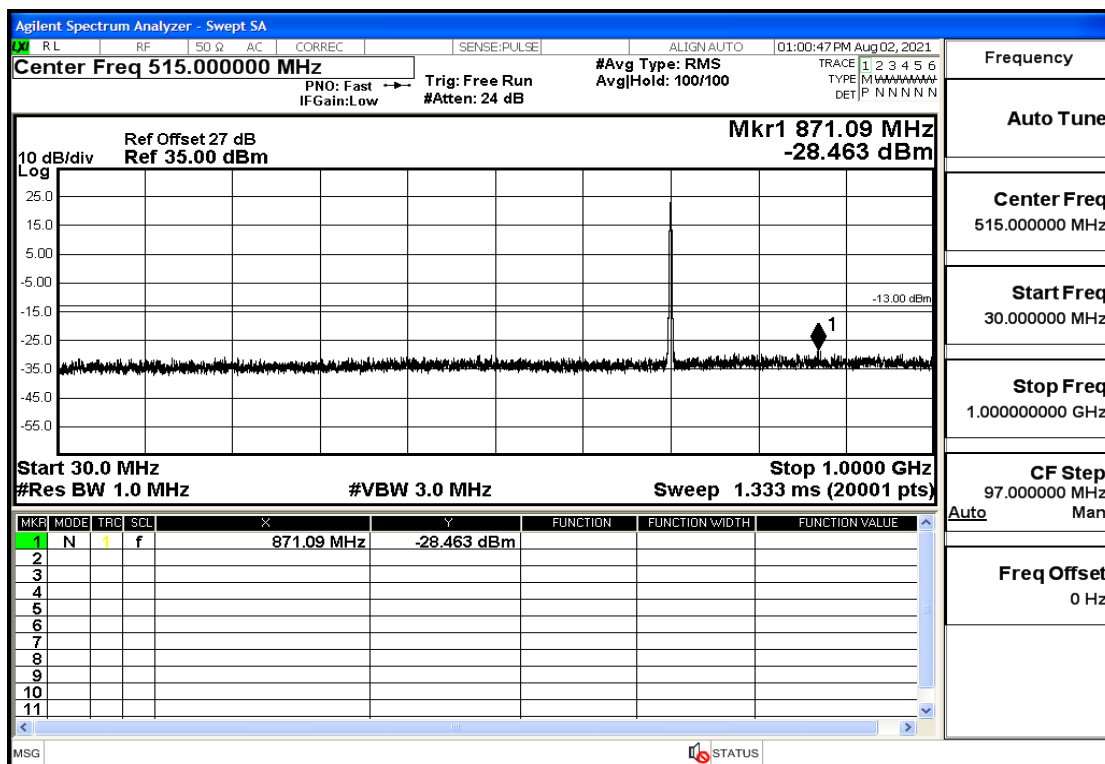
OB12-1.4-699.7-QPSK-1#HIGH@30mHz-1GHz@Pass



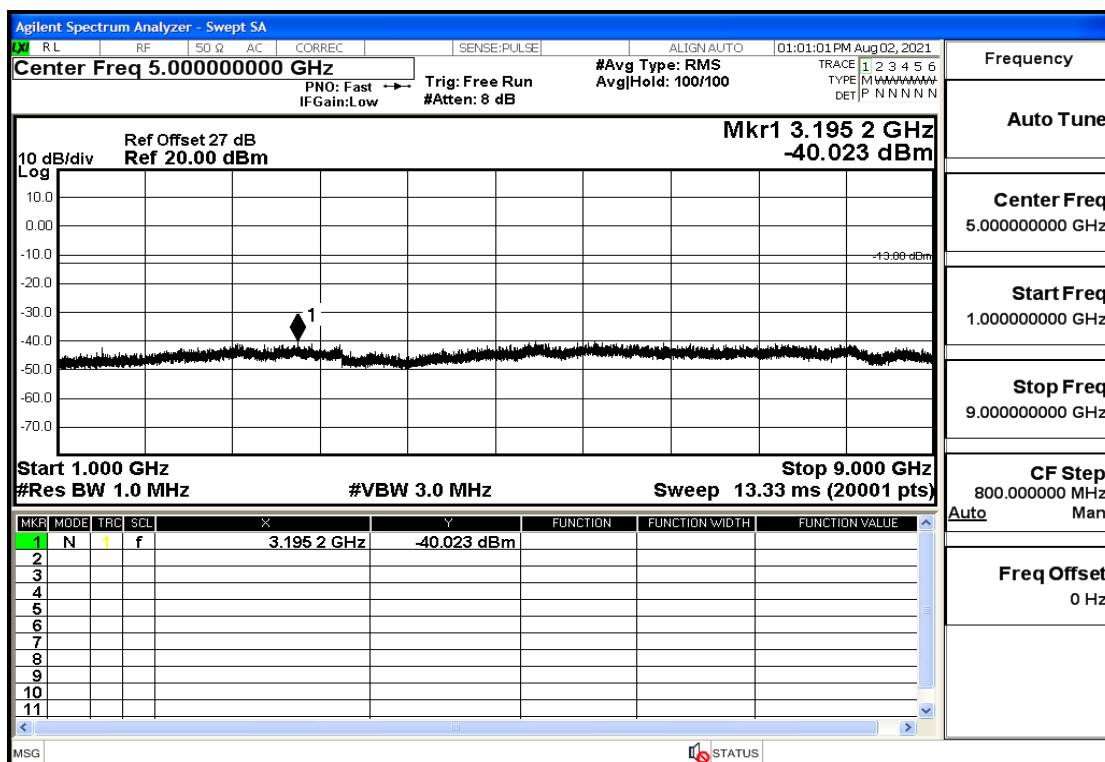
OB12-1.4-699.7-QPSK-1#HIGH@1GHz-9GHz@Pass



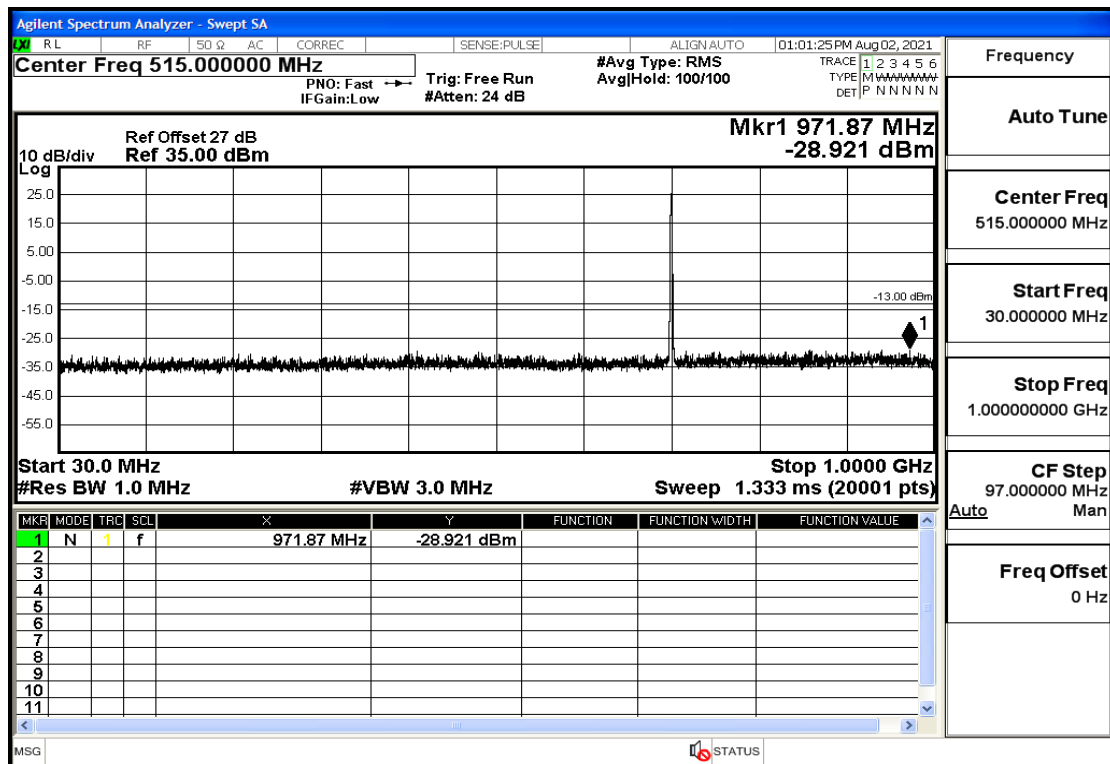
OB12-1.4-707.5-QPSK-6#LOW@30mHz-1GHz@Pass



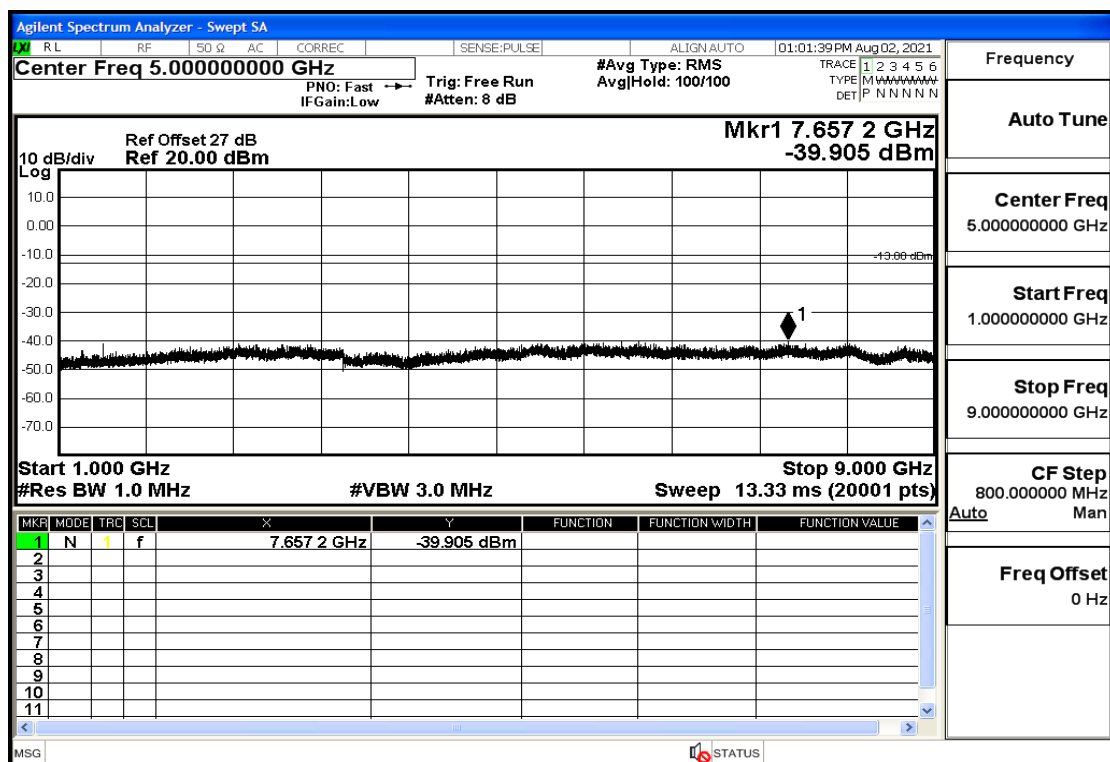
OB12-1.4-707.5-QPSK-6#LOW@1GHz-9GHz@Pass



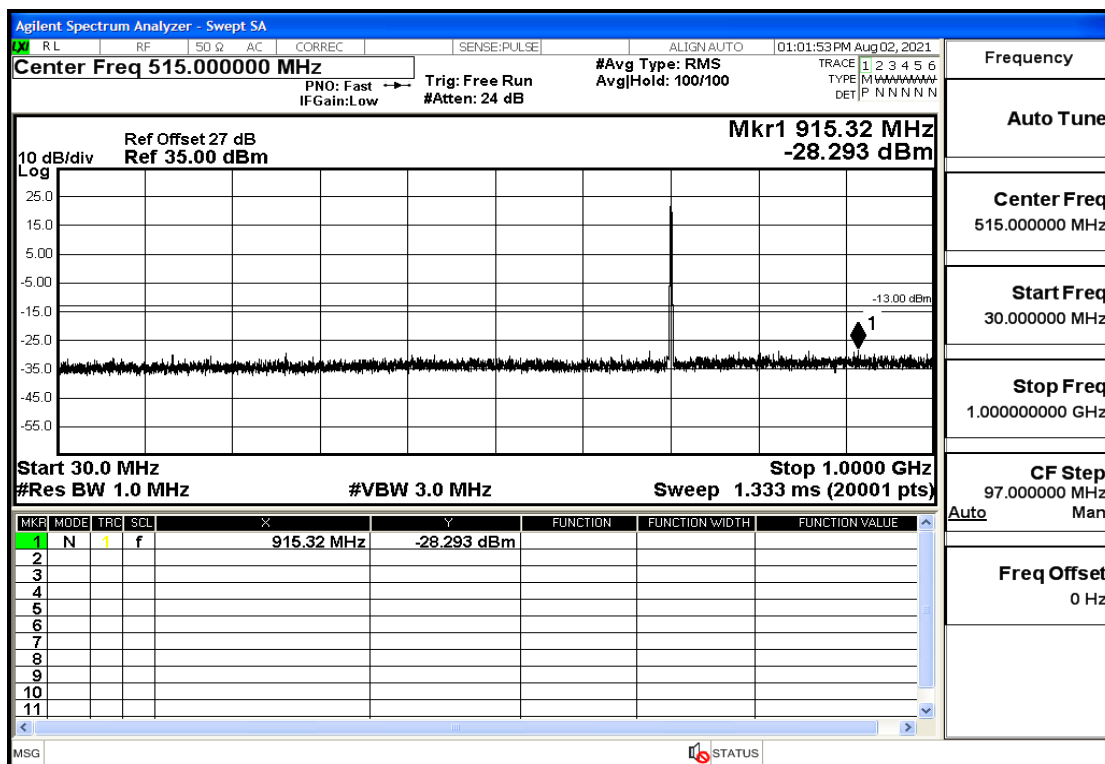
OB12-1.4-707.5-QPSK-1#LOW@30mHz-1GHz@Pass



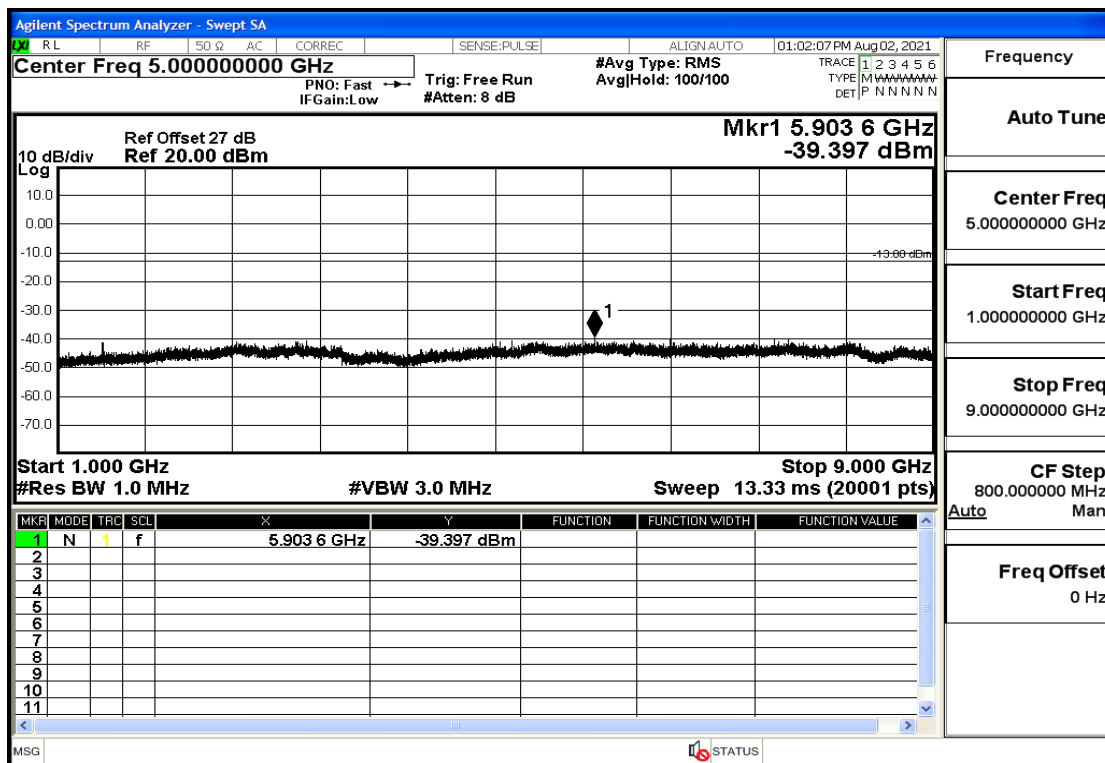
OB12-1.4-707.5-QPSK-1#LOW@1GHz-9GHz@Pass



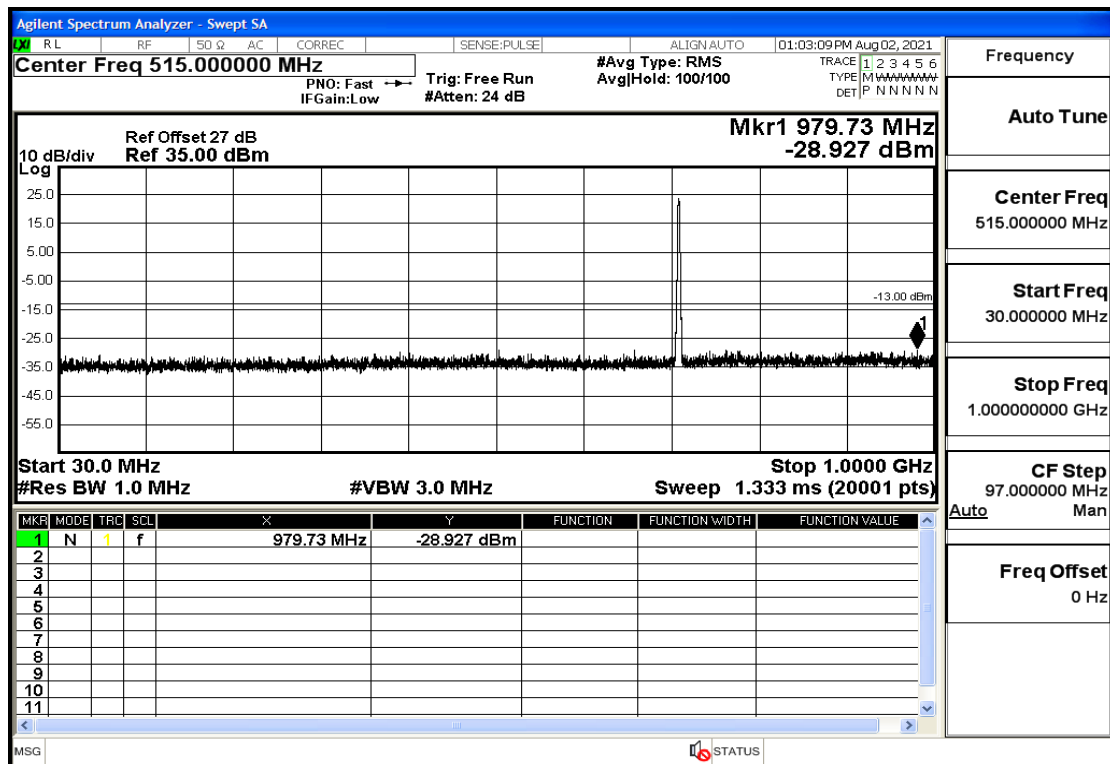
OB12-1.4-707.5-QPSK-1#HIGH@30mHz-1GHz@Pass



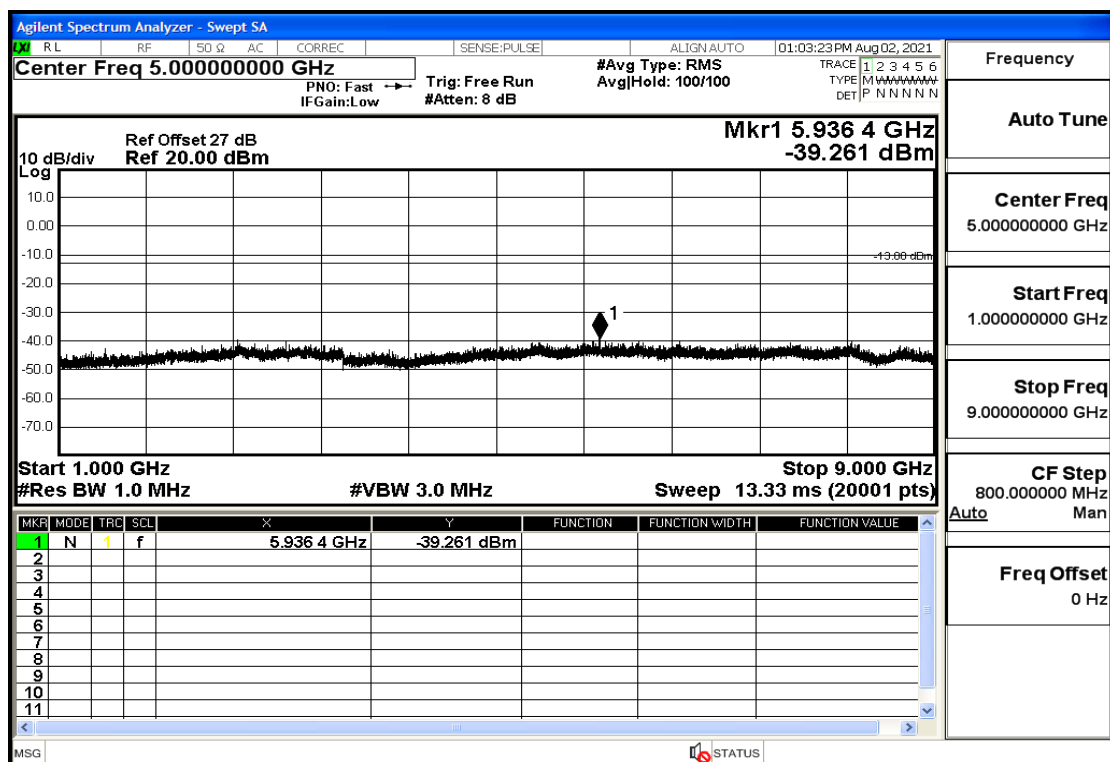
OB12-1.4-707.5-QPSK-1#HIGH@1GHz-9GHz@Pass



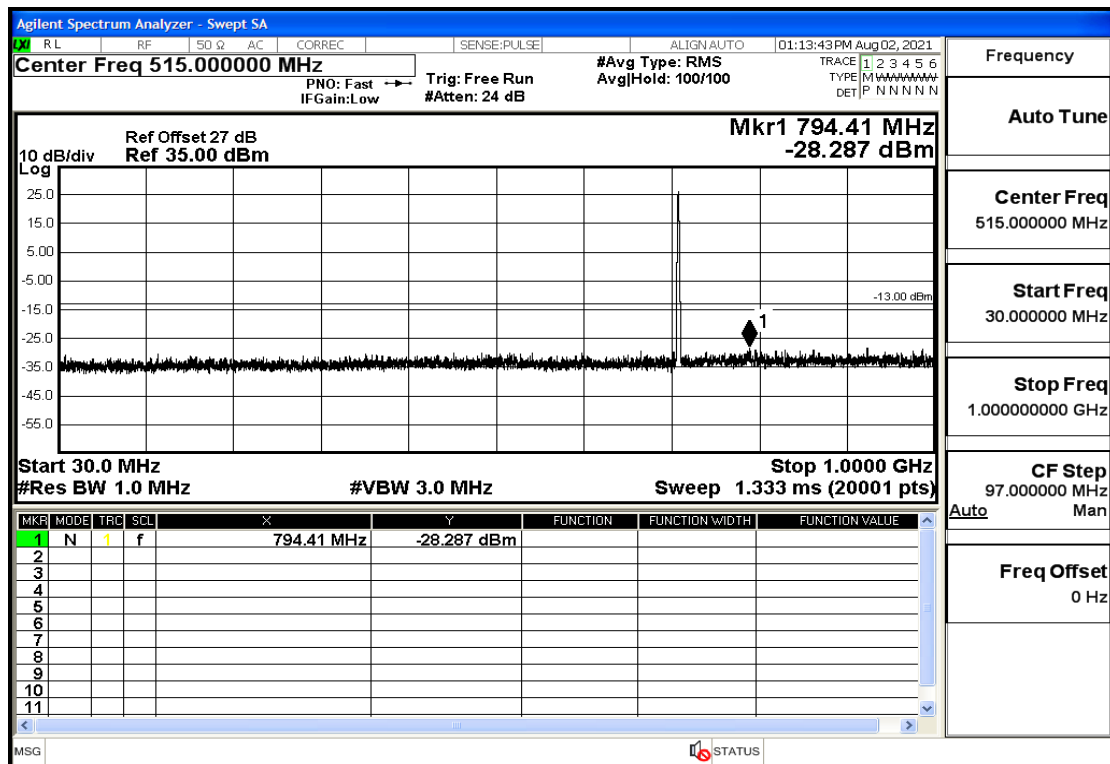
OB12-1.4-715.3-QPSK-6#LOW@30mHz-1GHz@Pass



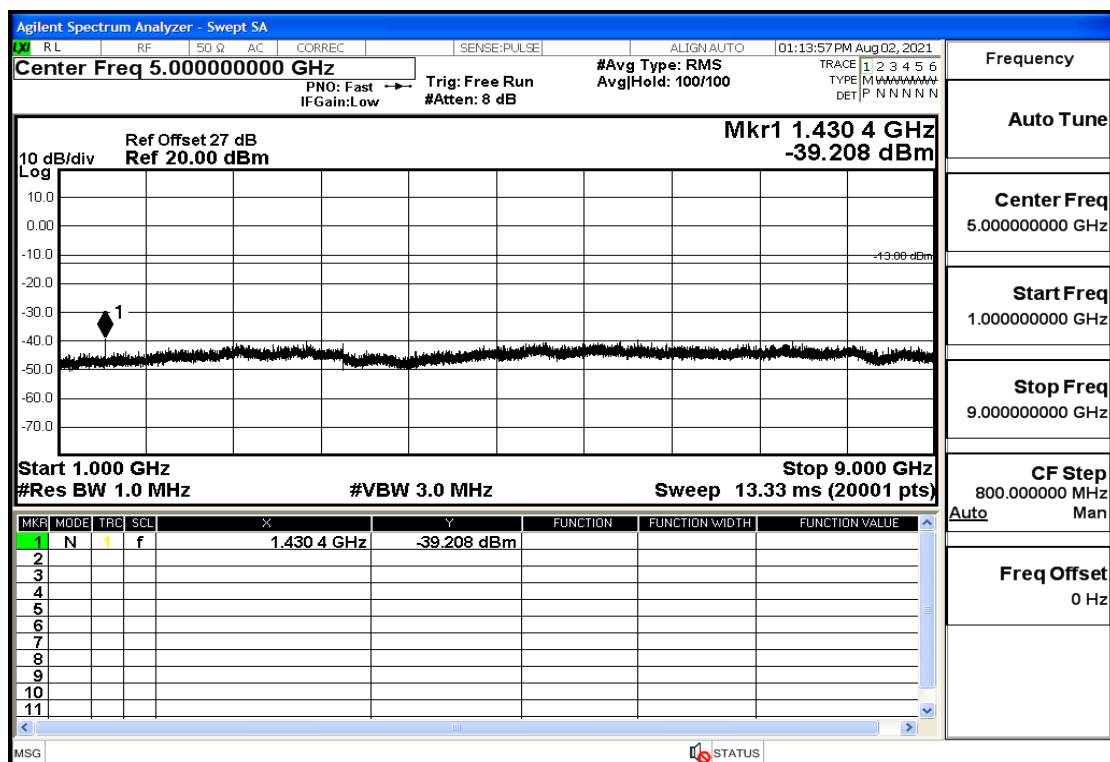
OB12-1.4-715.3-QPSK-6#LOW@1GHz-9GHz@Pass



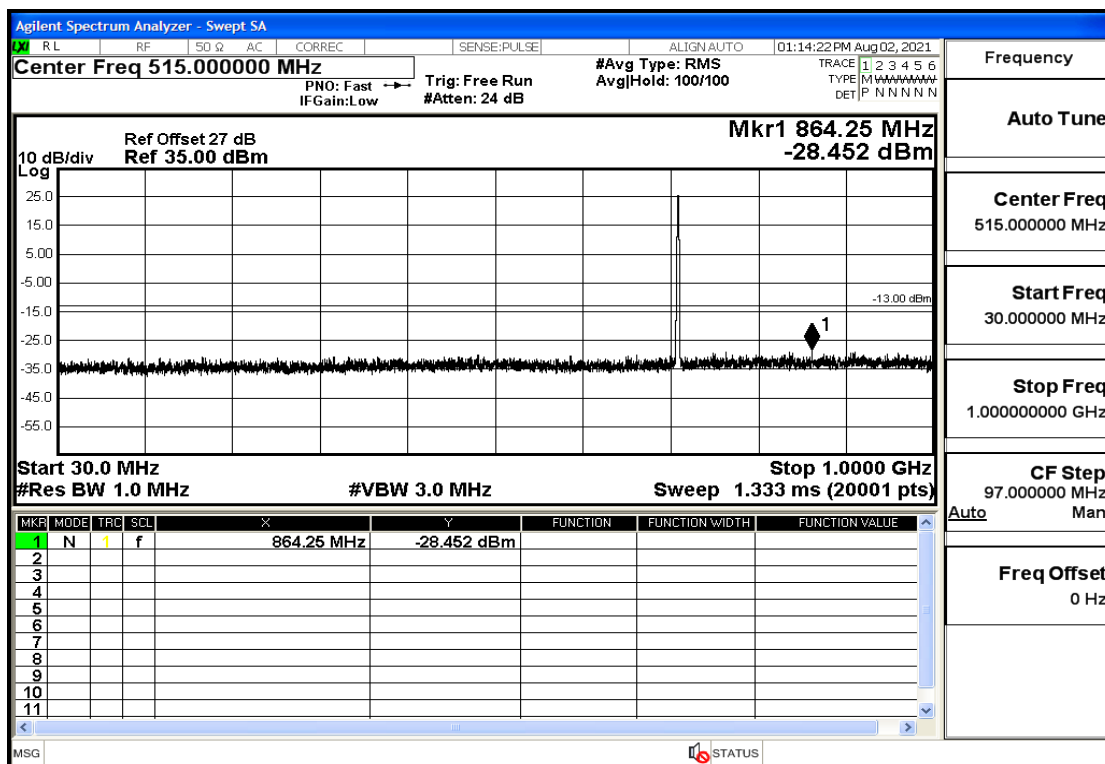
OB12-1.4-715.3-QPSK-1#LOW@30mHz-1GHz@Pass



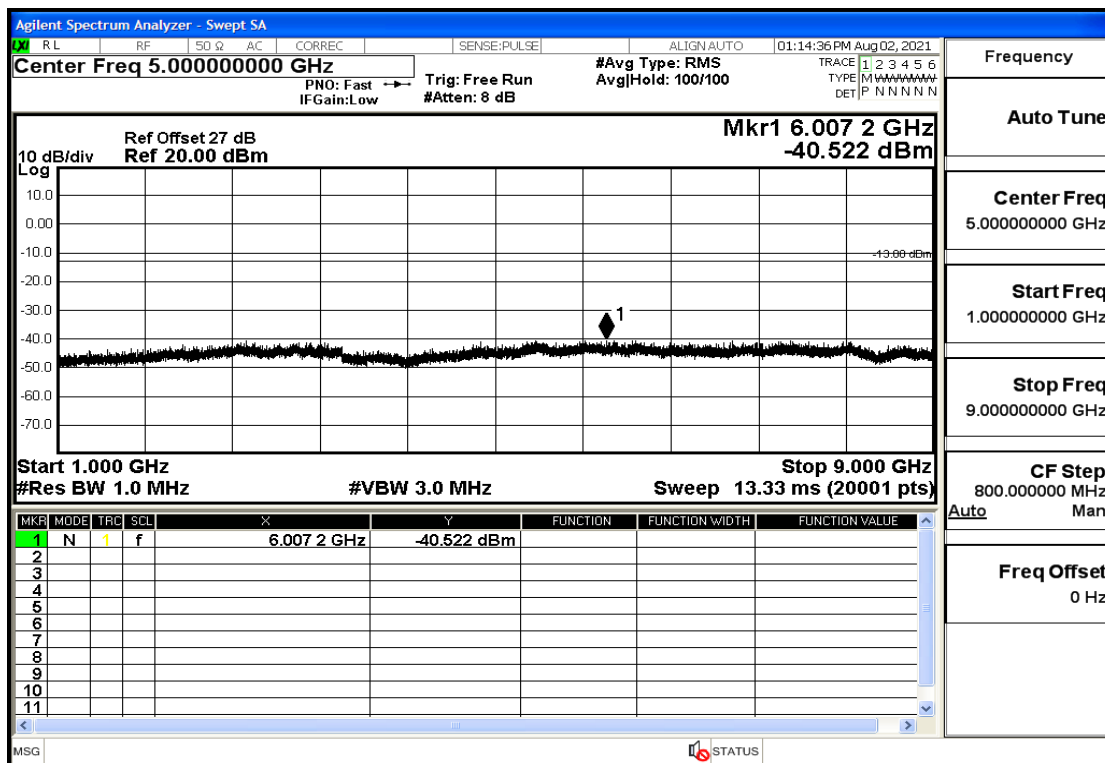
OB12-1.4-715.3-QPSK-1#LOW@1GHz-9GHz@Pass



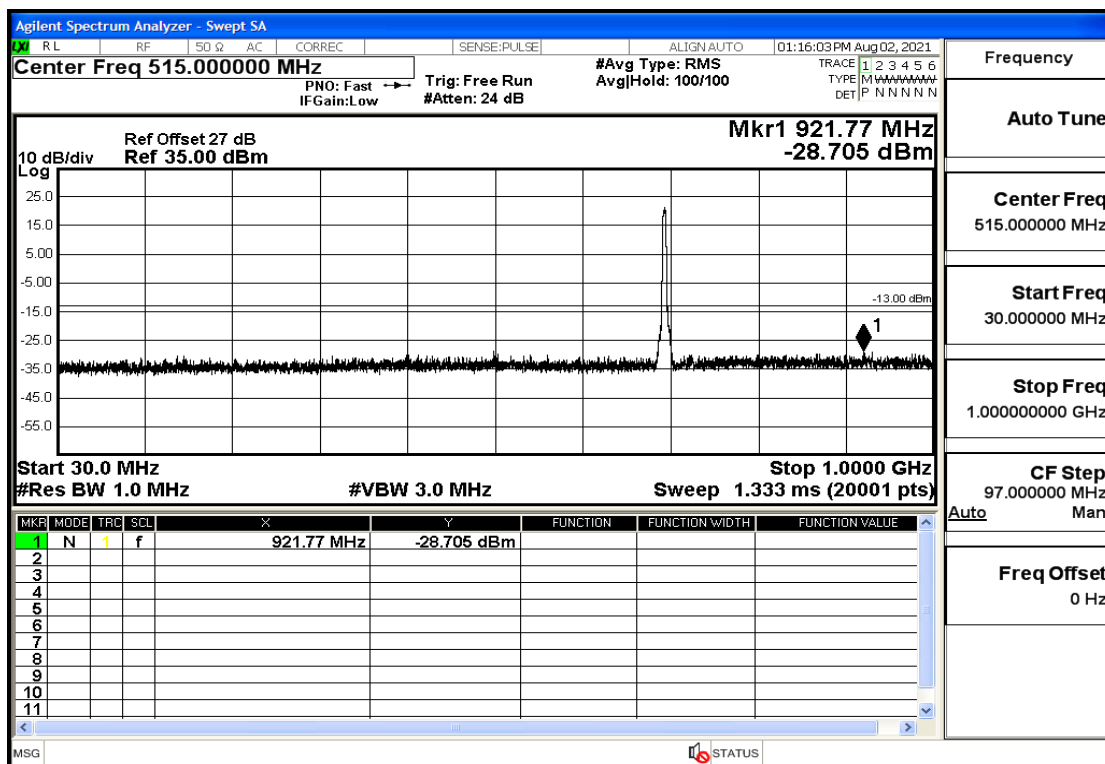
OB12-1.4-715.3-QPSK-1#HIGH@30mHz-1GHz@Pass



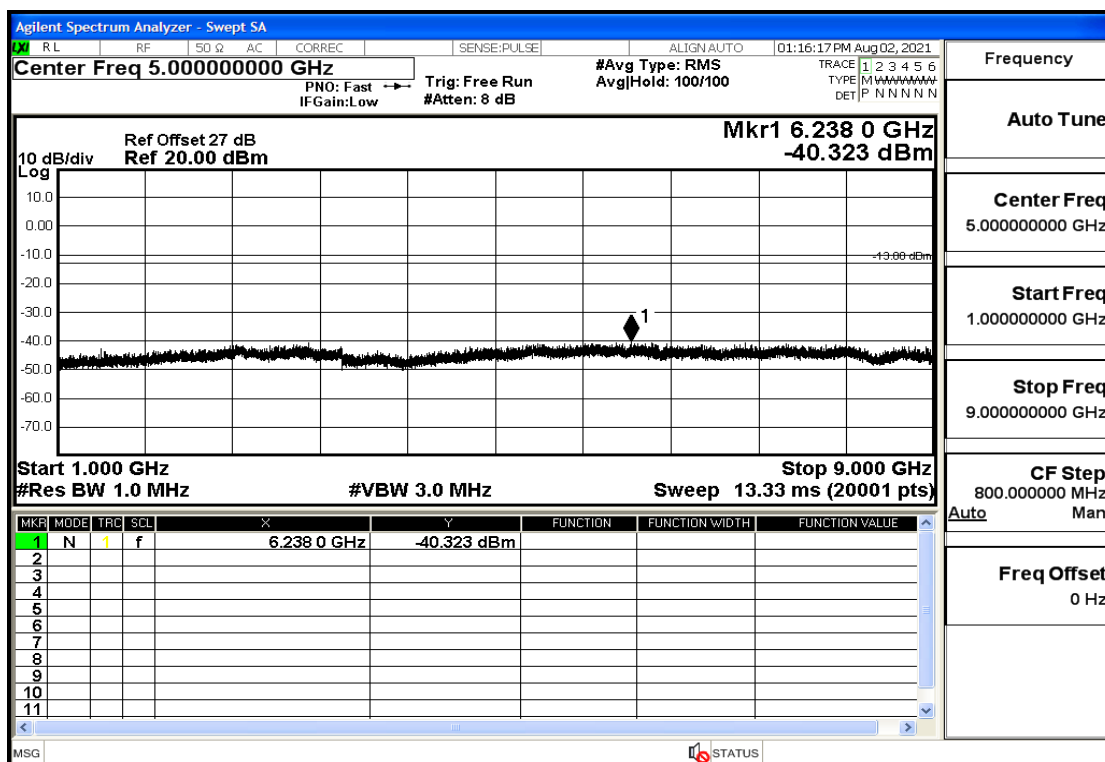
OB12-1.4-715.3-QPSK-1#HIGH@1GHz-9GHz@Pass



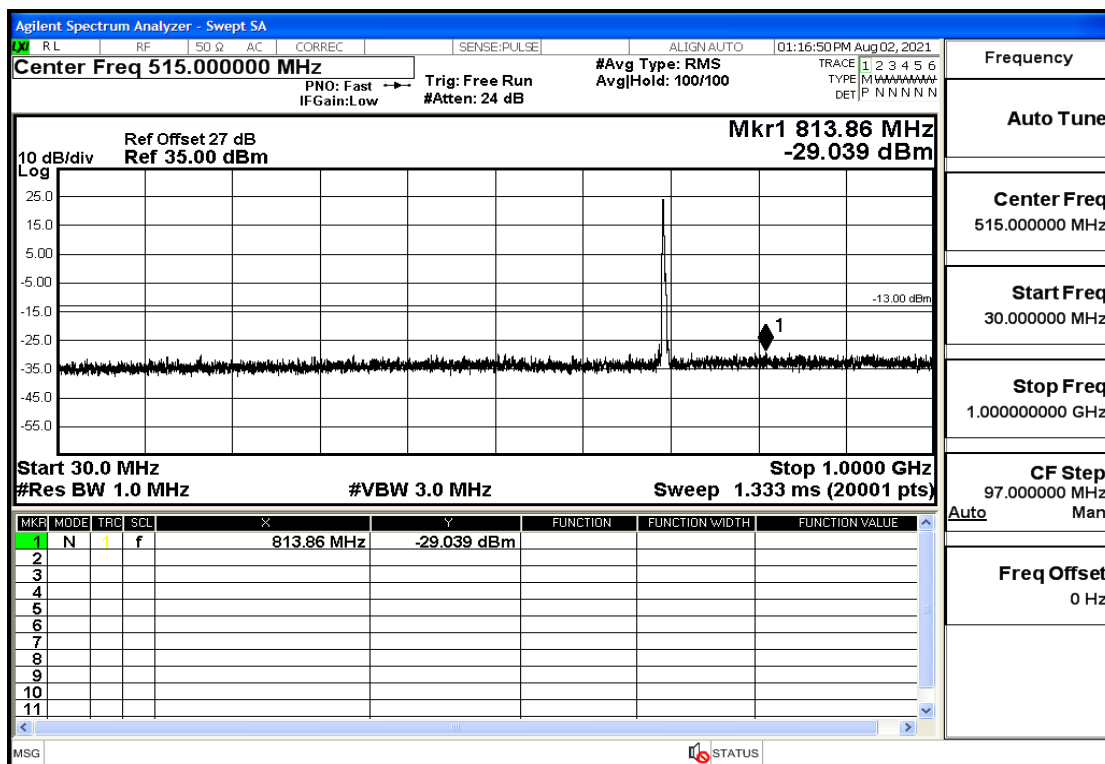
OB12-3-700.5-QPSK-15#LOW@30MHz-1GHz@Pass



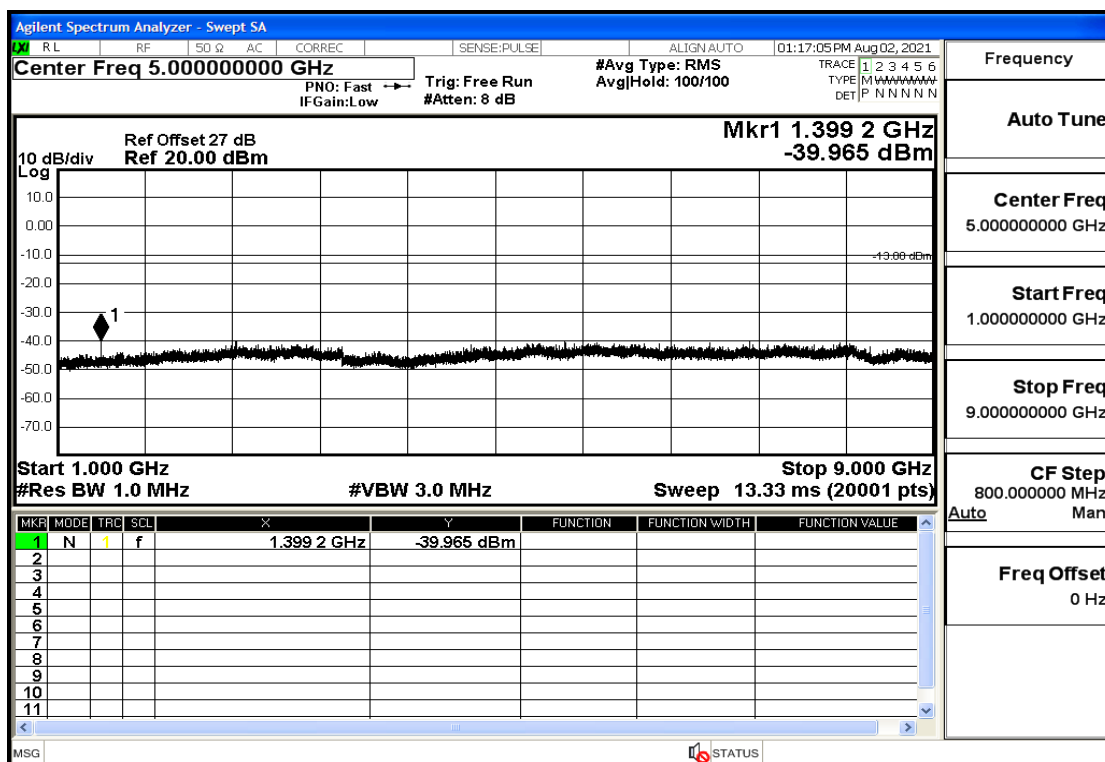
OB12-3-700.5-QPSK-15#LOW@1GHz-9GHz@Pass



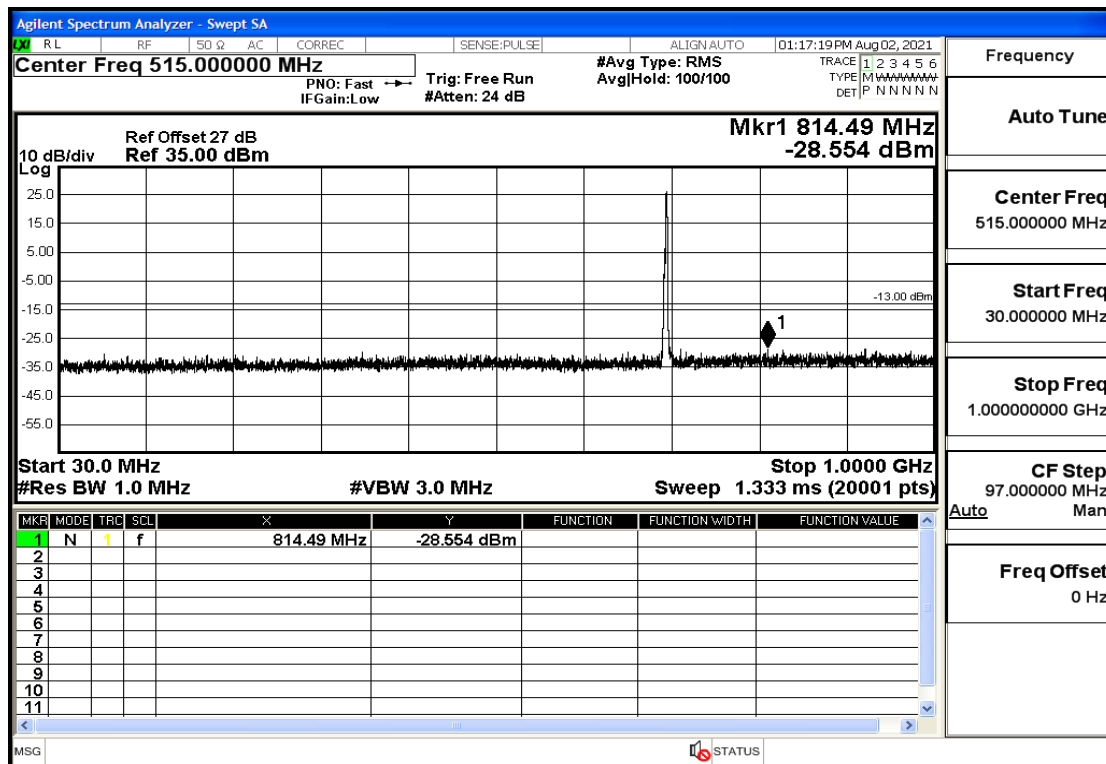
OB12-3-700.5-QPSK-1#LOW@30mHz-1GHz@Pass



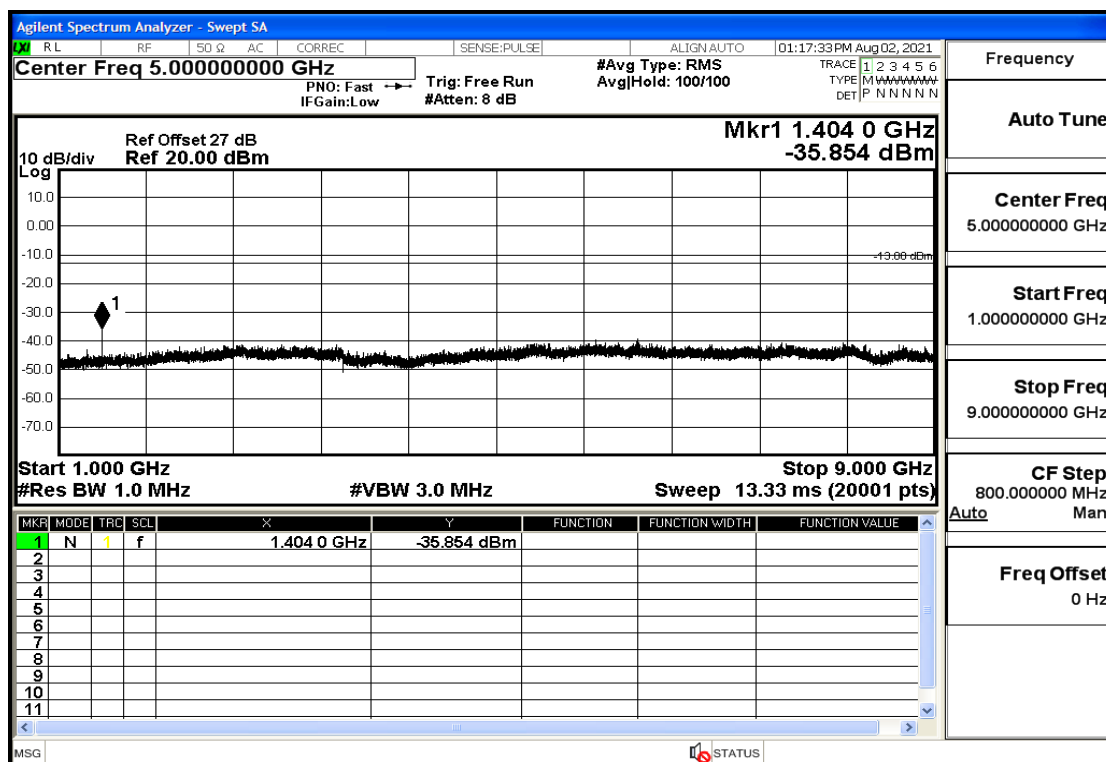
OB12-3-700.5-QPSK-1#LOW@1GHz-9GHz@Pass



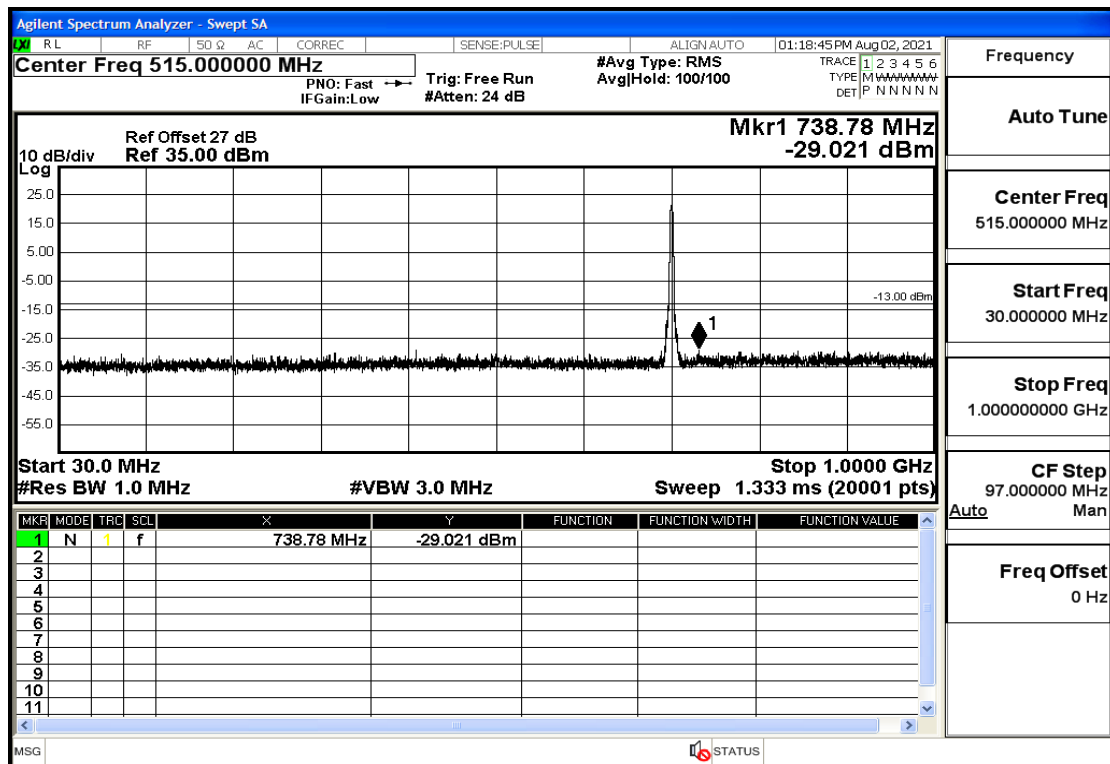
OB12-3-700.5-QPSK-1#HIGH@30mHz-1GHz@Pass



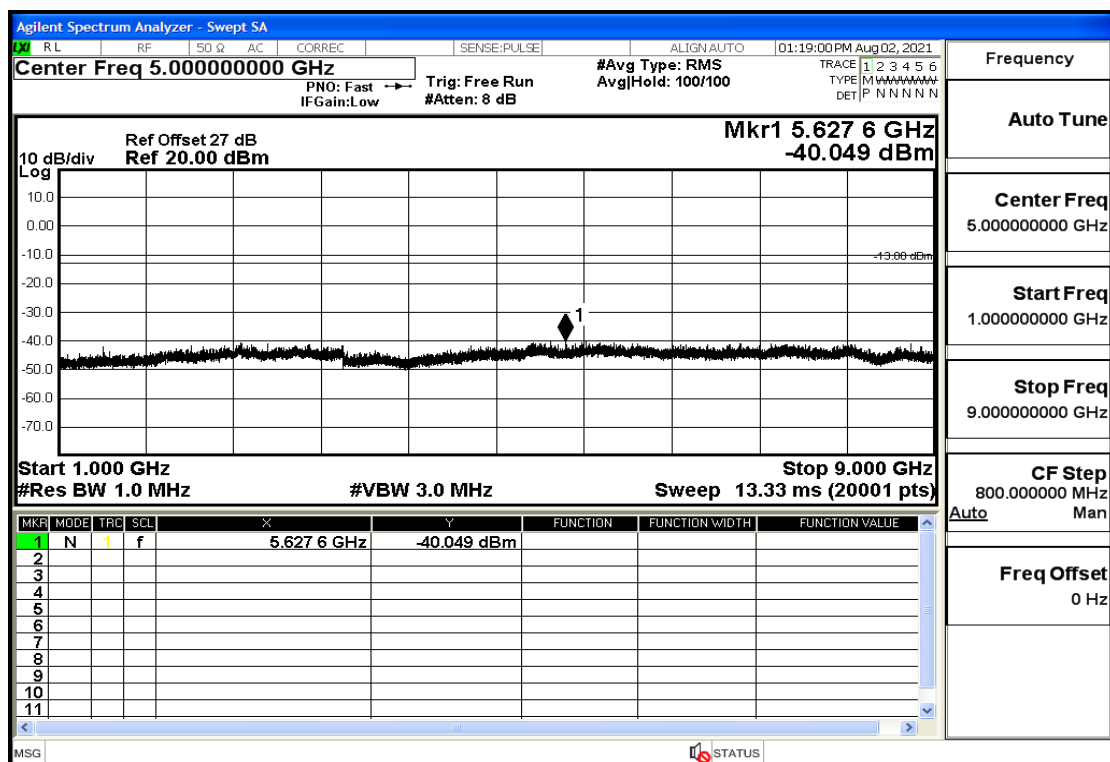
OB12-3-700.5-QPSK-1#HIGH@1GHz-9GHz@Pass



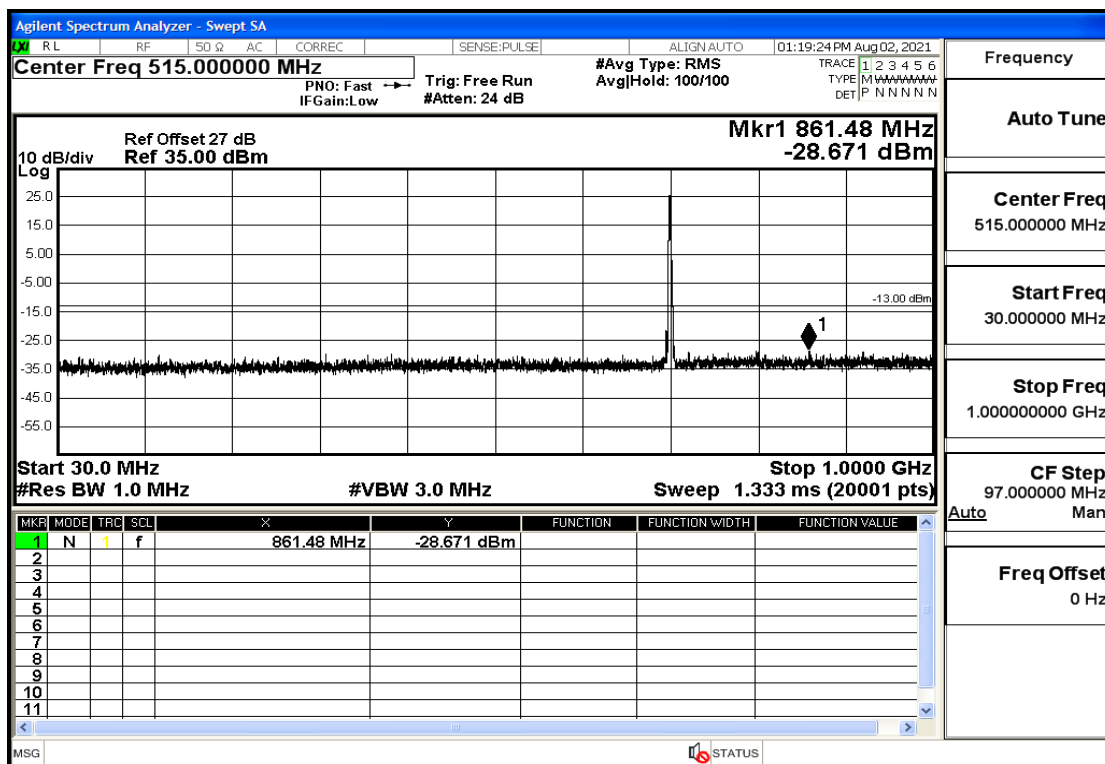
OB12-3-707.5-QPSK-15#LOW@30MHz-1GHz@Pass



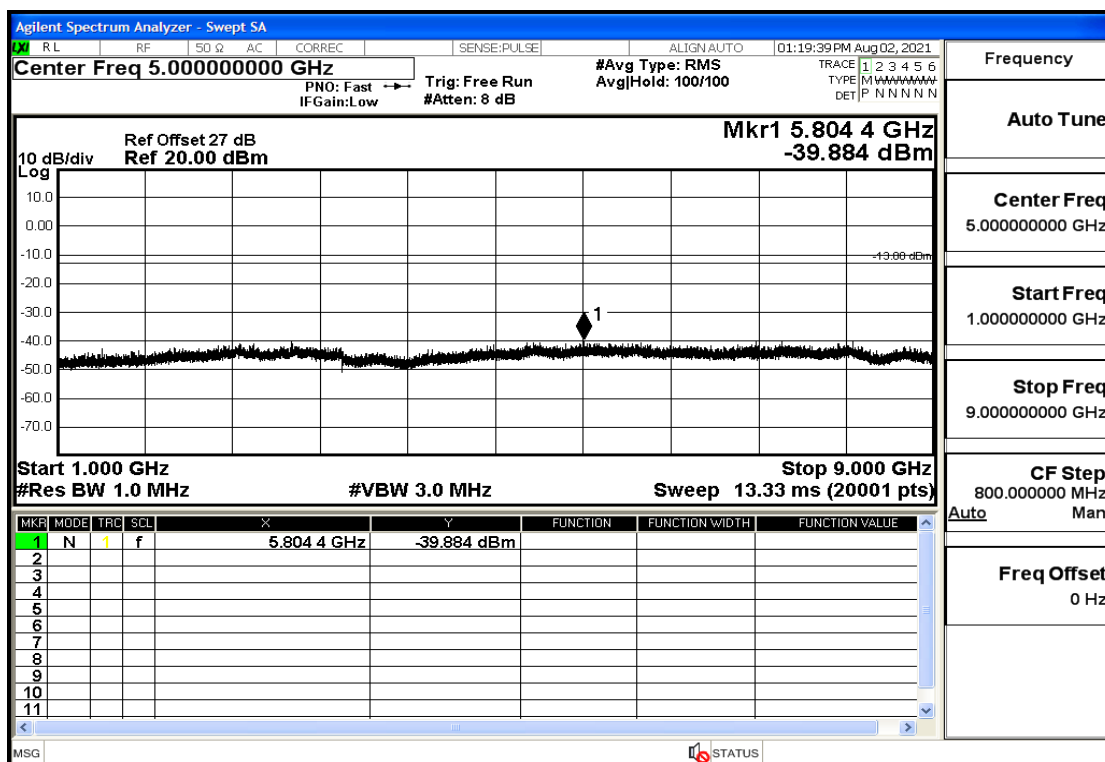
OB12-3-707.5-QPSK-15#LOW@1GHz-9GHz@Pass



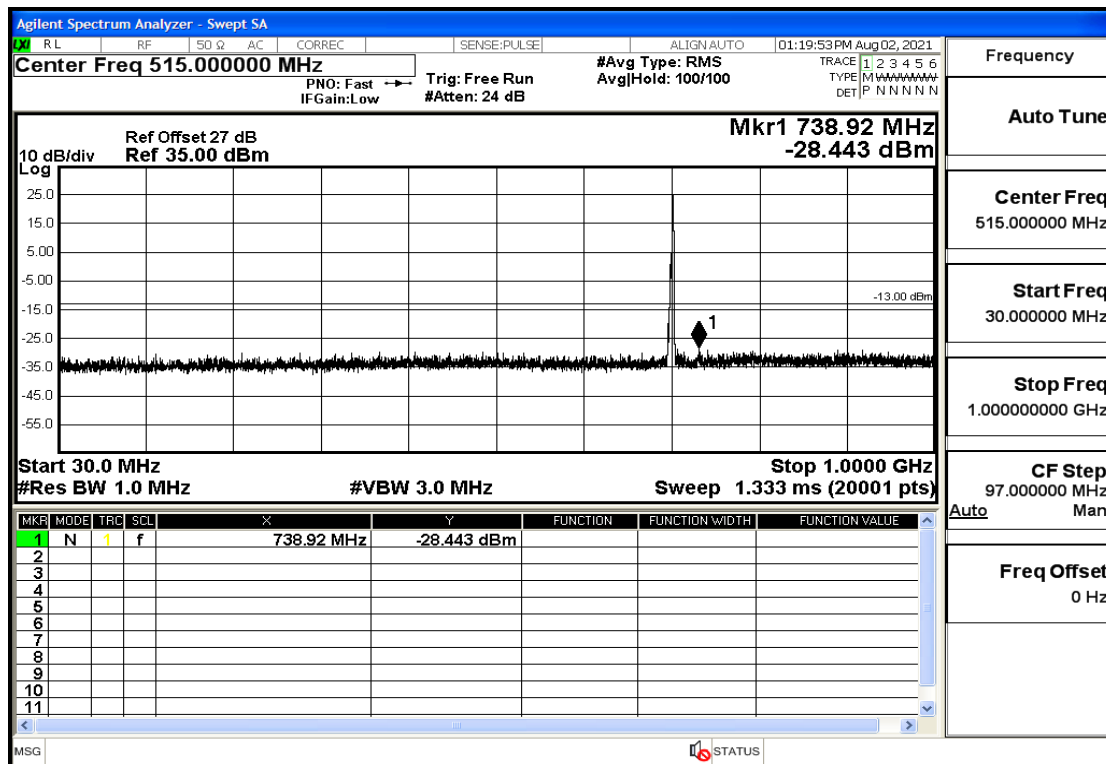
OB12-3-707.5-QPSK-1#LOW@30mHz-1GHz@Pass



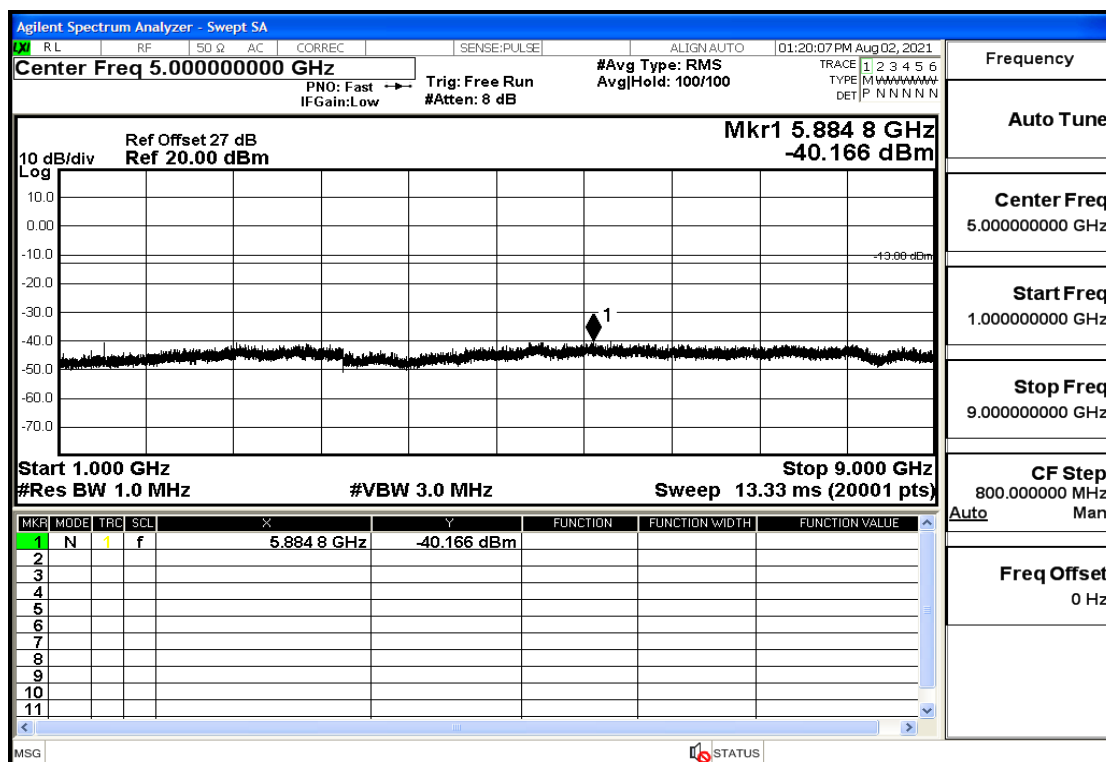
OB12-3-707.5-QPSK-1#LOW@1GHz-9GHz@Pass



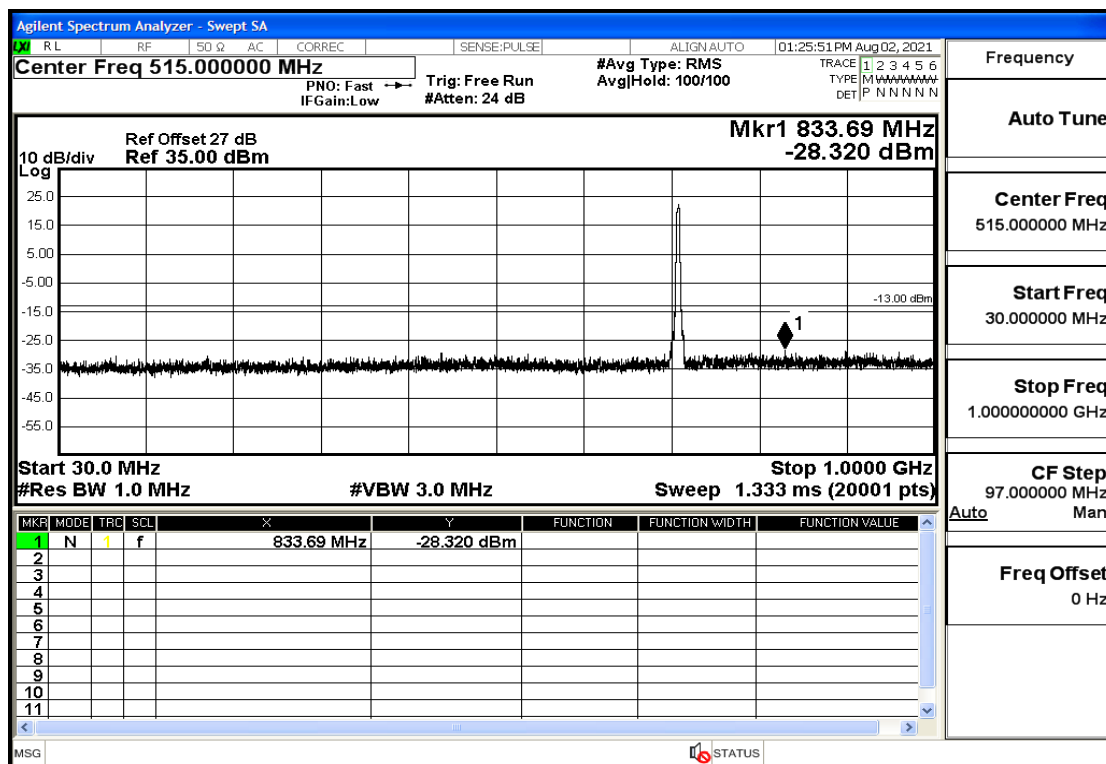
OB12-3-707.5-QPSK-1#HIGH@30mHz-1GHz@Pass



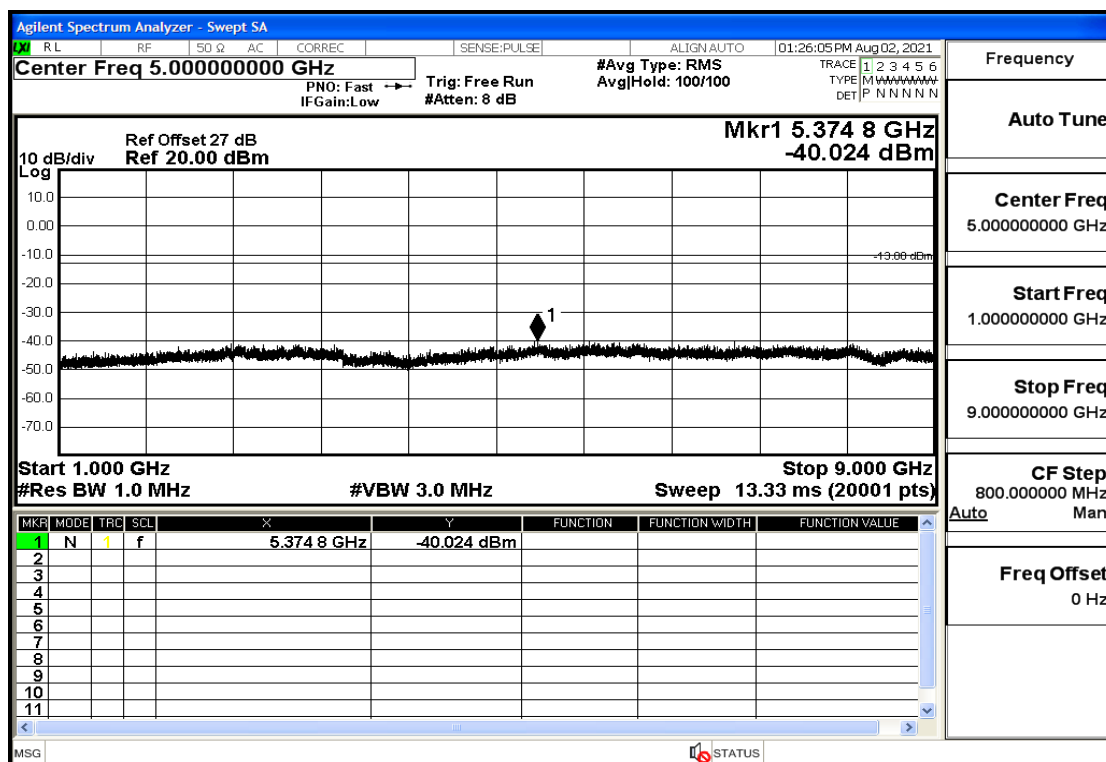
OB12-3-707.5-QPSK-1#HIGH@1GHz-9GHz@Pass



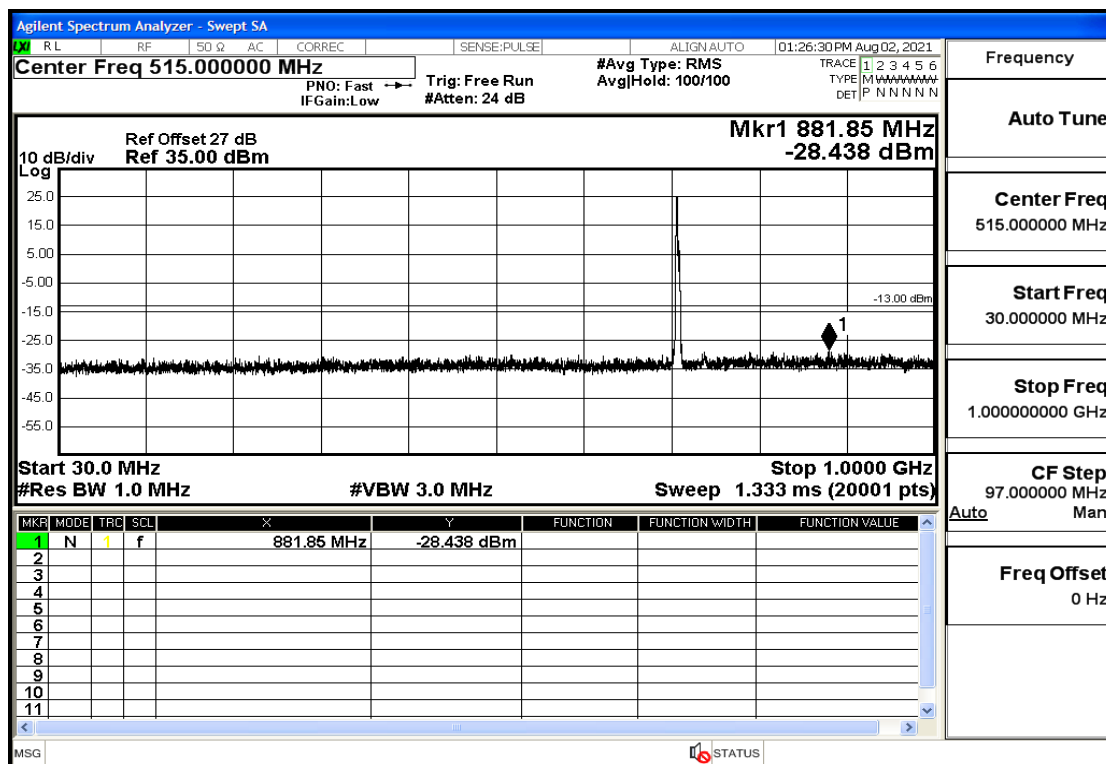
OB12-3-714.5-QPSK-15#LOW@30mHz-1GHz@Pass



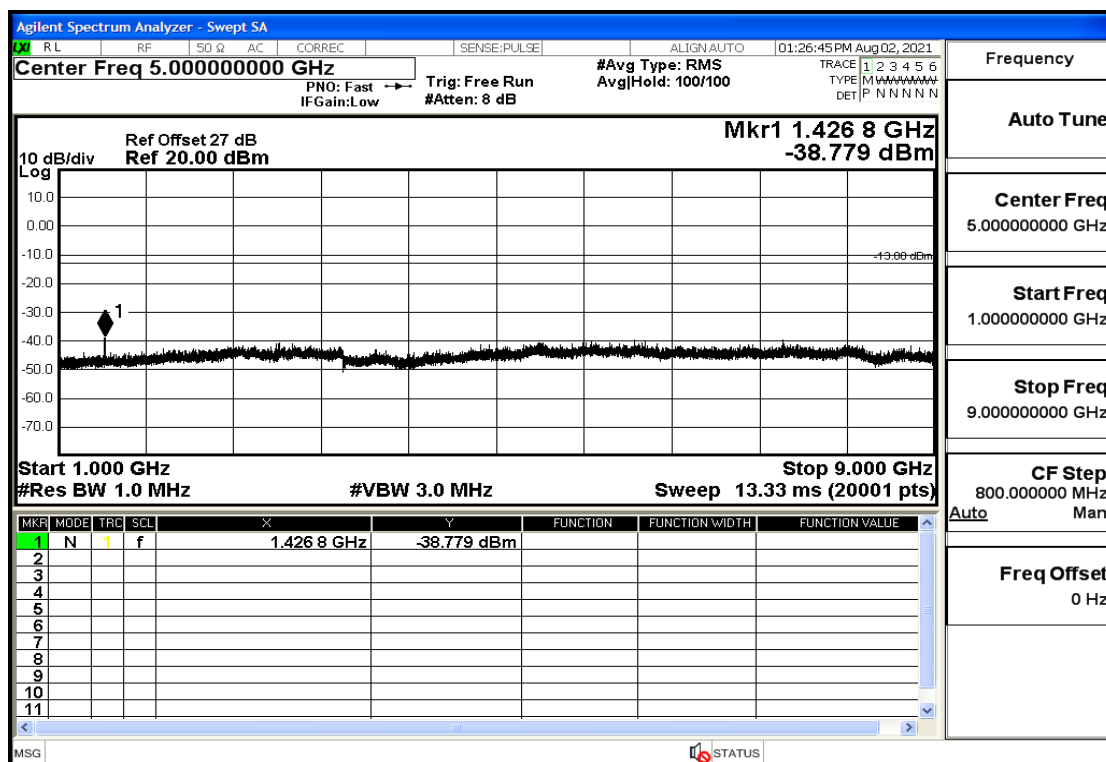
OB12-3-714.5-QPSK-15#LOW@1GHz-9GHz@Pass



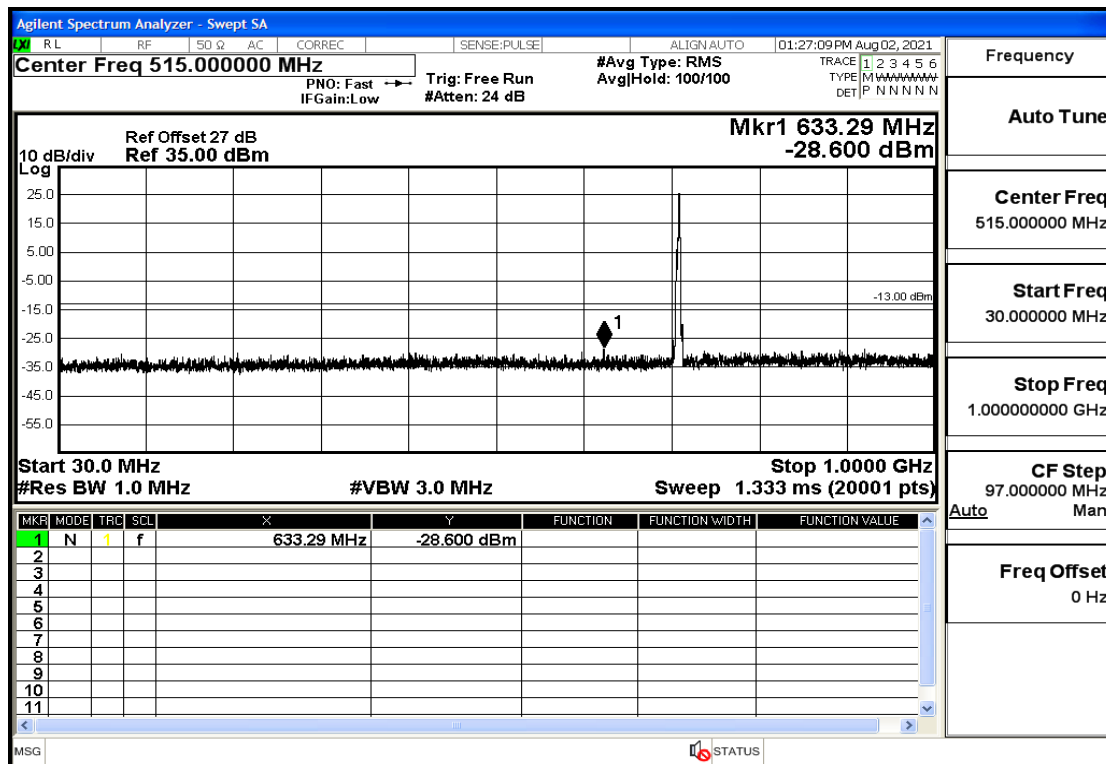
OB12-3-714.5-QPSK-1#LOW@30mHz-1GHz@Pass



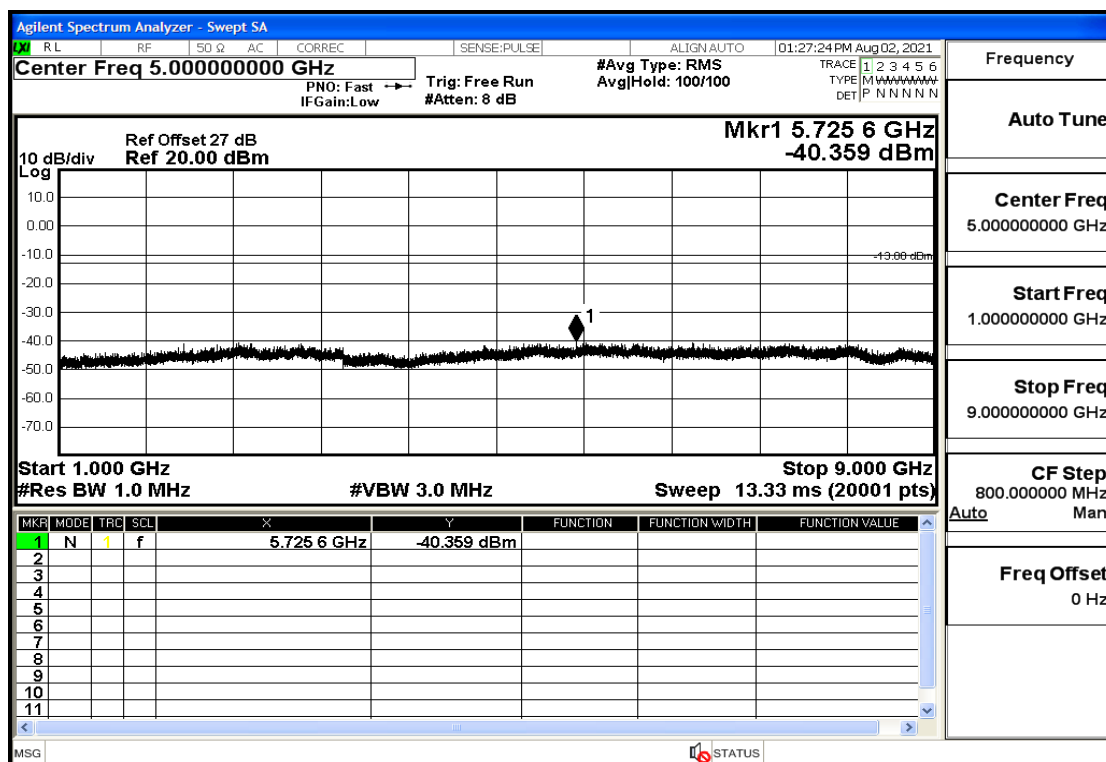
OB12-3-714.5-QPSK-1#LOW@1GHz-9GHz@Pass



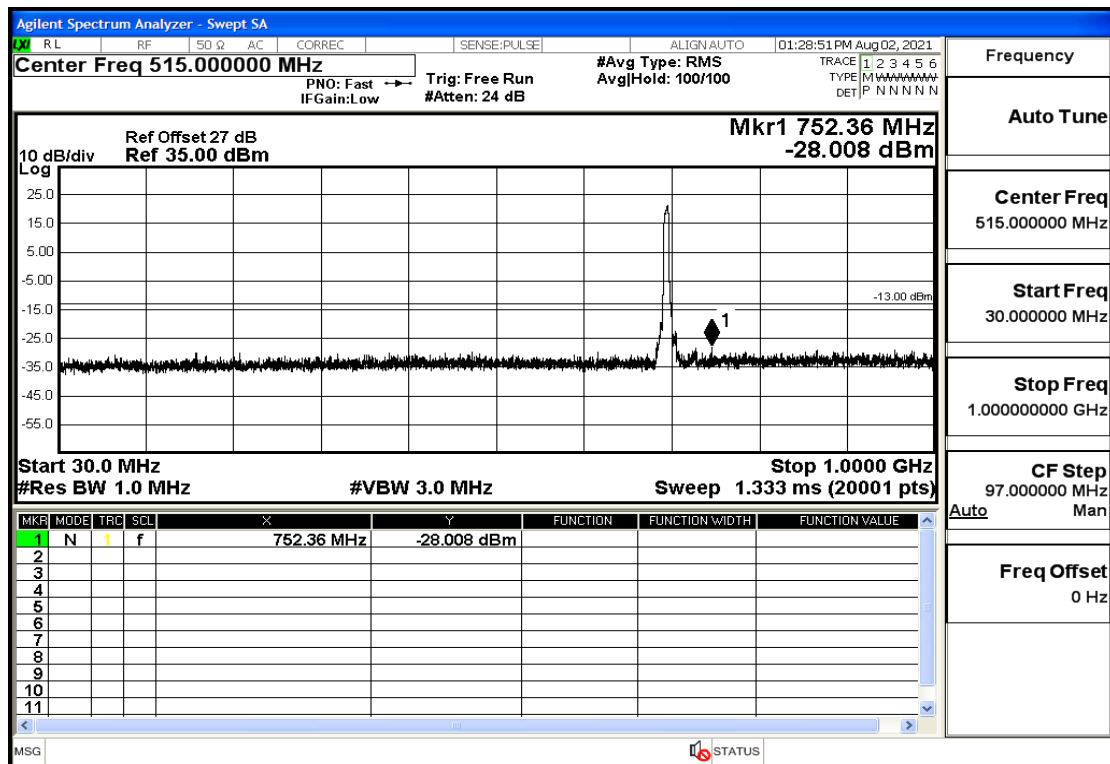
OB12-3-714.5-QPSK-1#HIGH@30mHz-1GHz@Pass



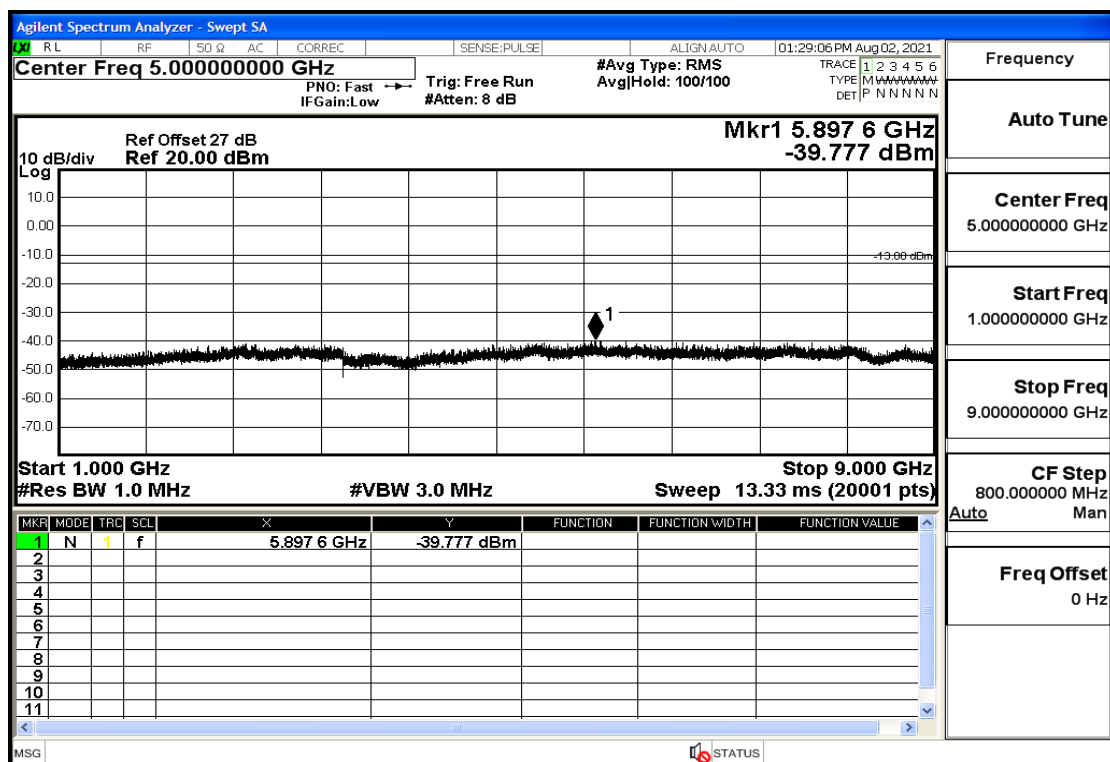
OB12-3-714.5-QPSK-1#HIGH@1GHz-9GHz@Pass



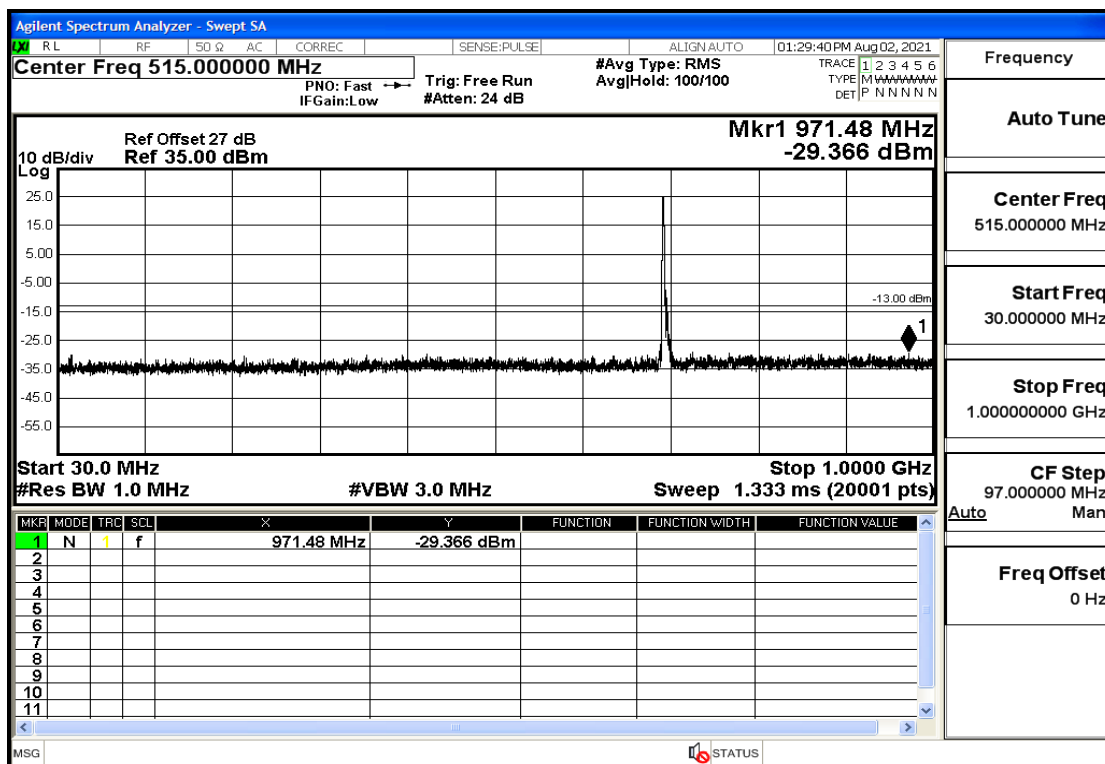
OB12-5-701.5-QPSK-25#LOW@30MHz-1GHz@Pass



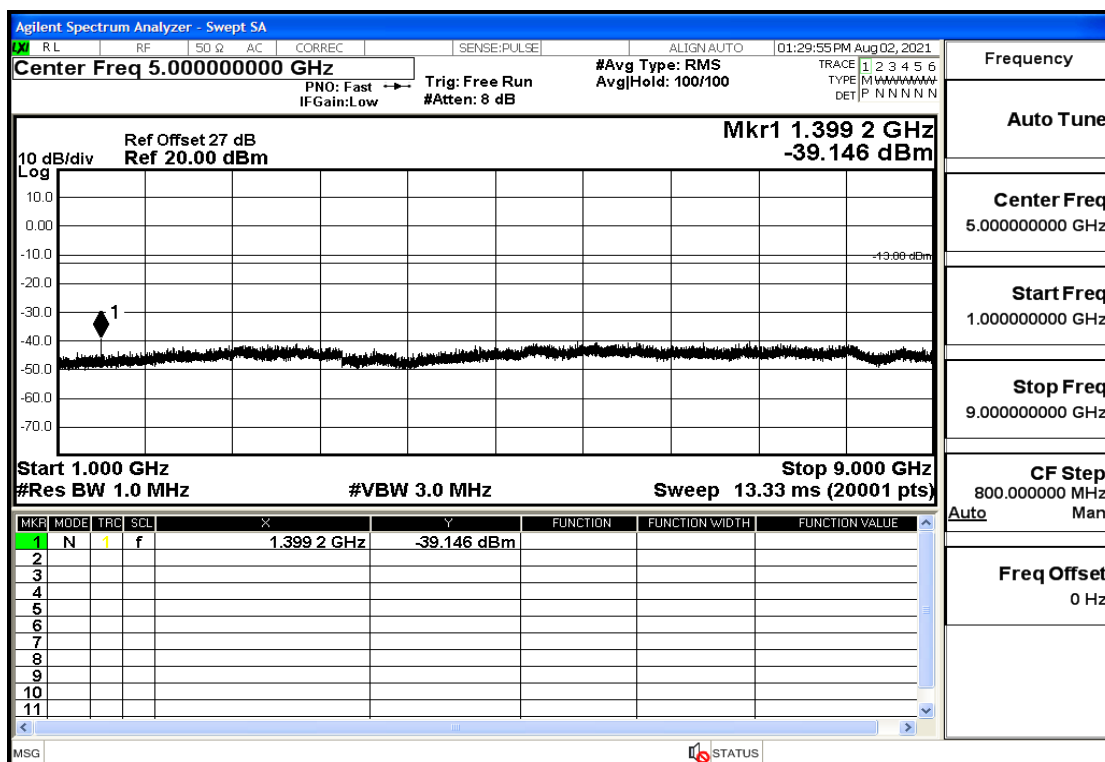
OB12-5-701.5-QPSK-25#LOW@1GHz-9GHz@Pass



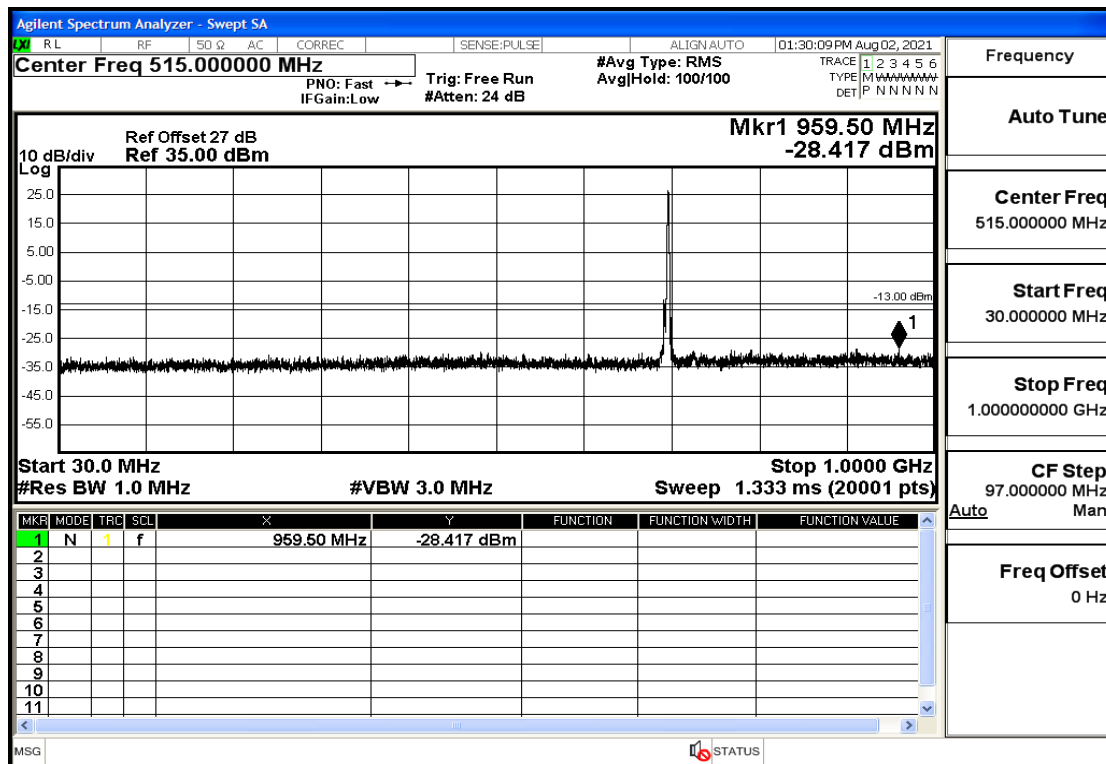
OB12-5-701.5-QPSK-1#LOW@30mHz-1GHz@Pass



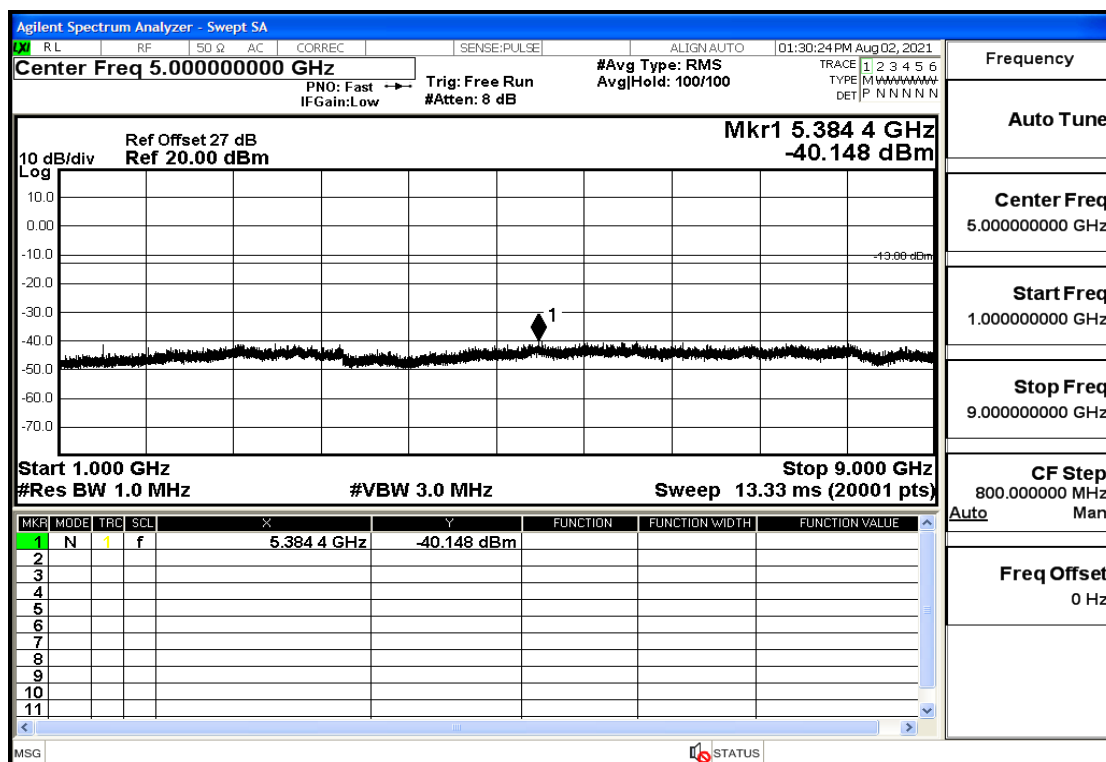
OB12-5-701.5-QPSK-1#LOW@1GHz-9GHz@Pass



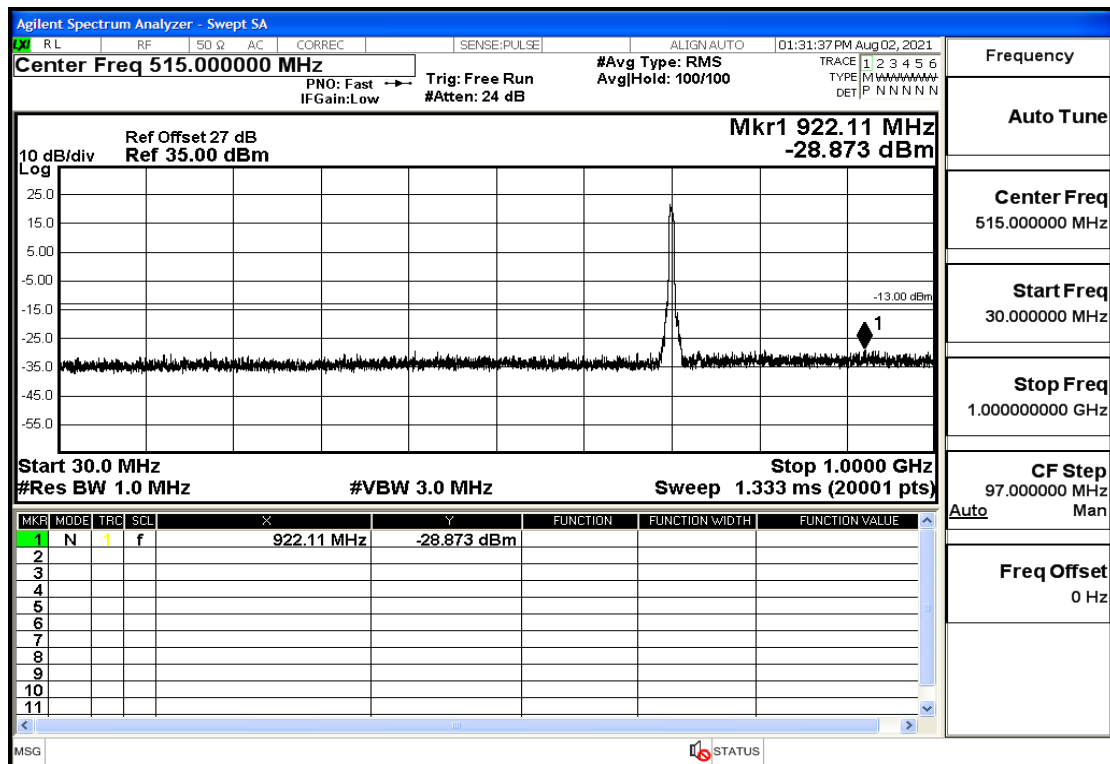
OB12-5-701.5-QPSK-1#HIGH@30mHz-1GHz@Pass



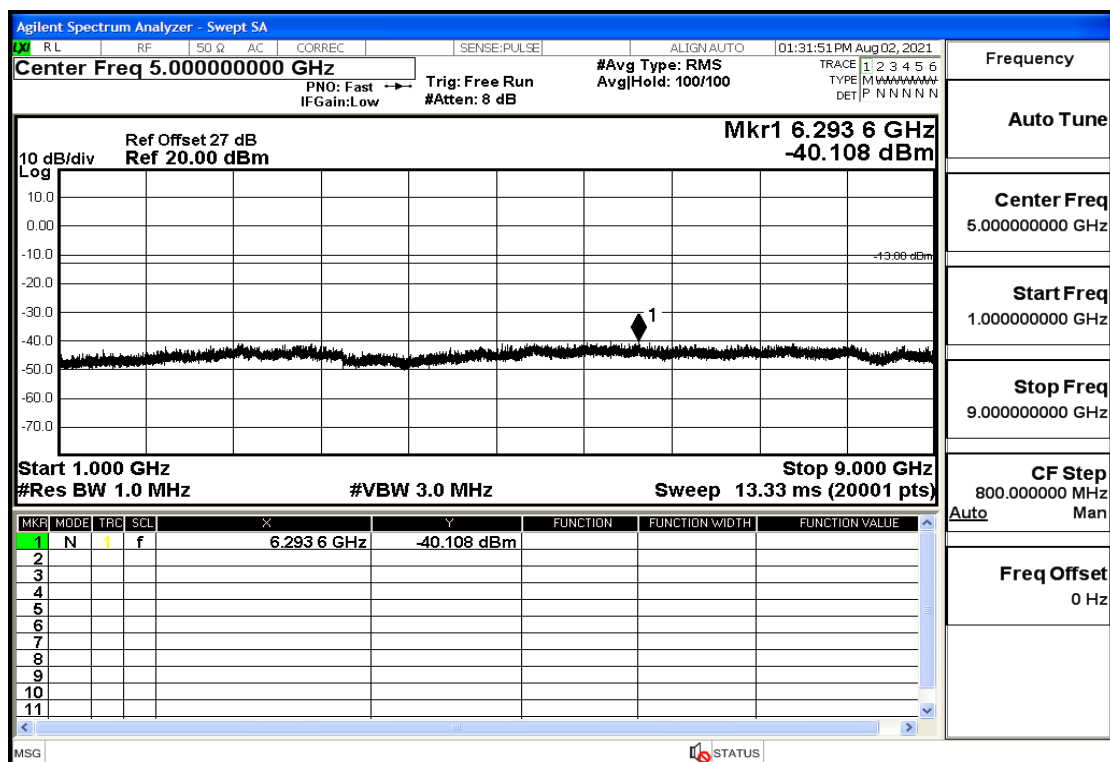
OB12-5-701.5-QPSK-1#HIGH@1GHz-9GHz@Pass



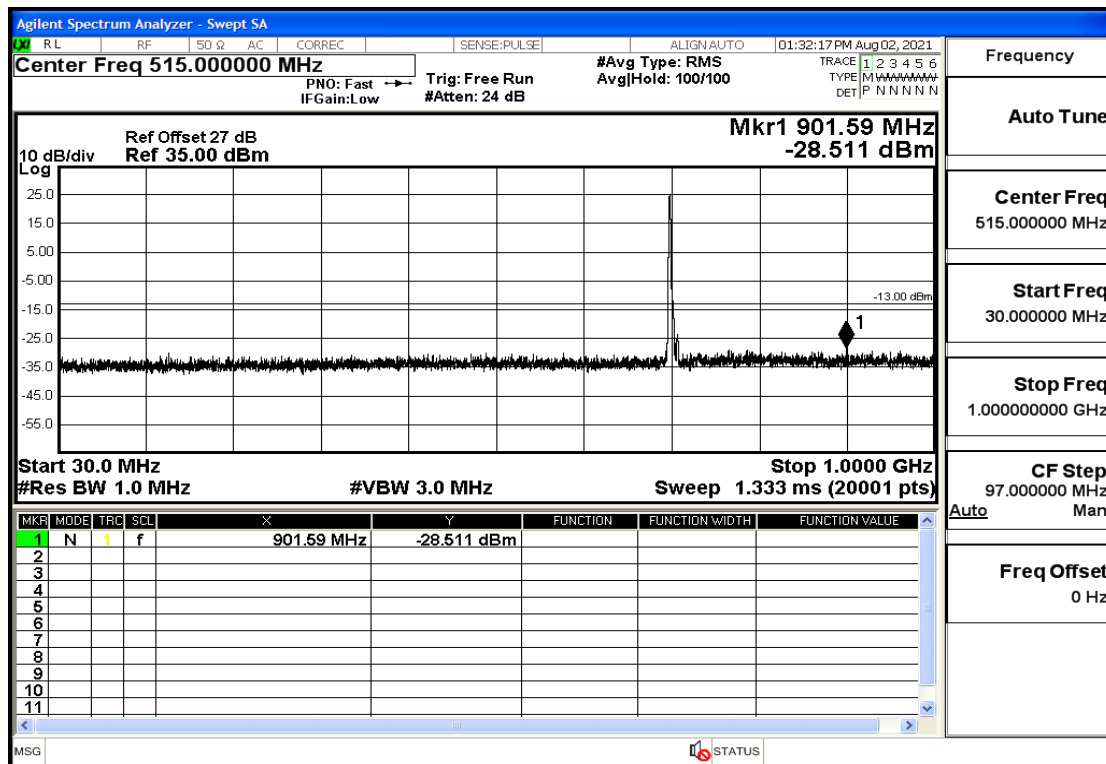
OB12-5-707.5-QPSK-25#LOW@30MHz-1GHz@Pass



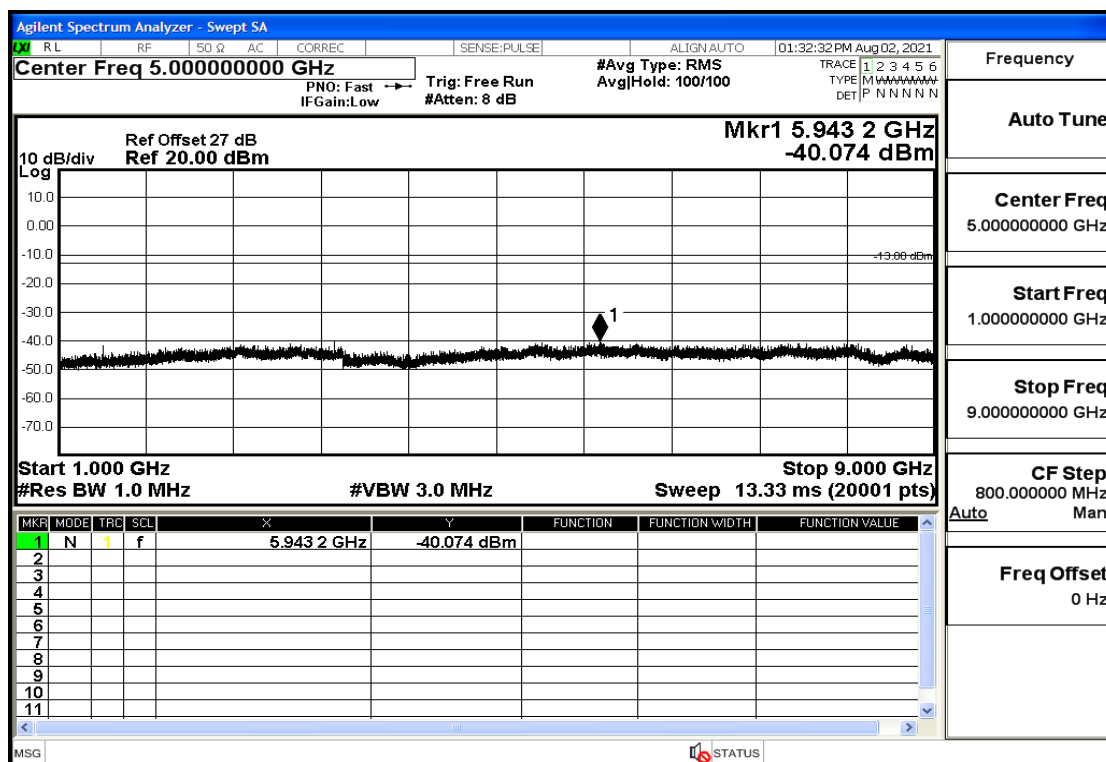
OB12-5-707.5-QPSK-25#LOW@1GHz-9GHz@Pass



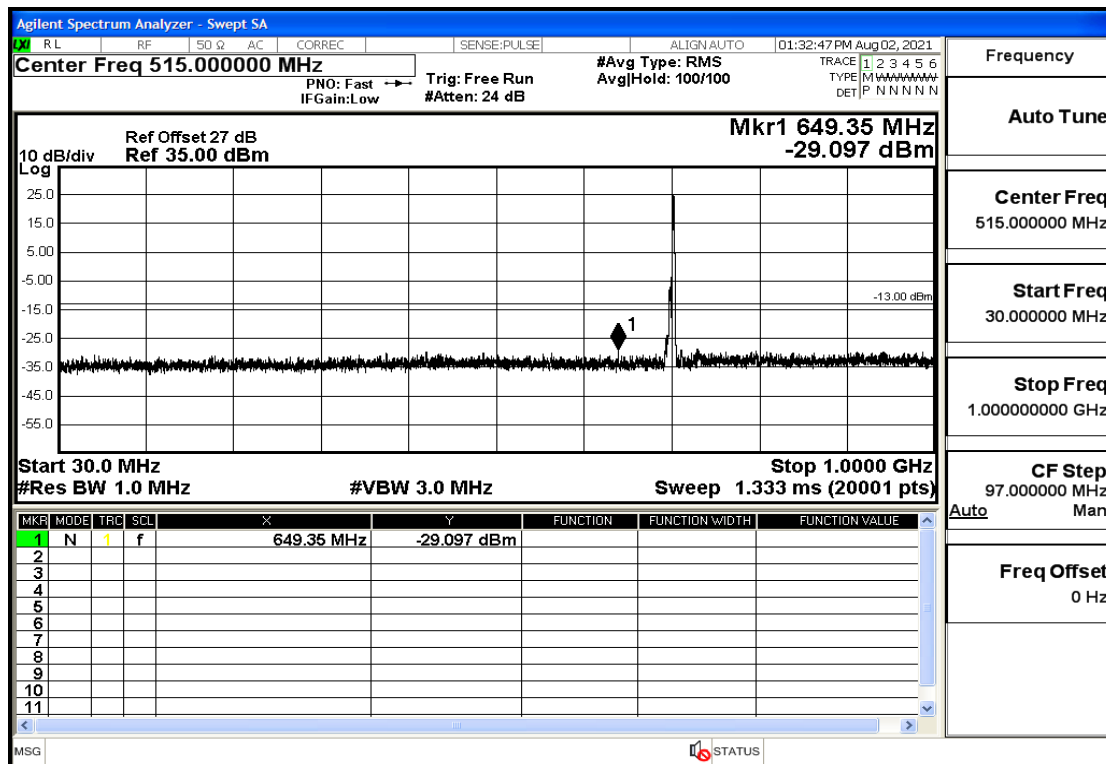
OB12-5-707.5-QPSK-1#LOW@30mHz-1GHz@Pass



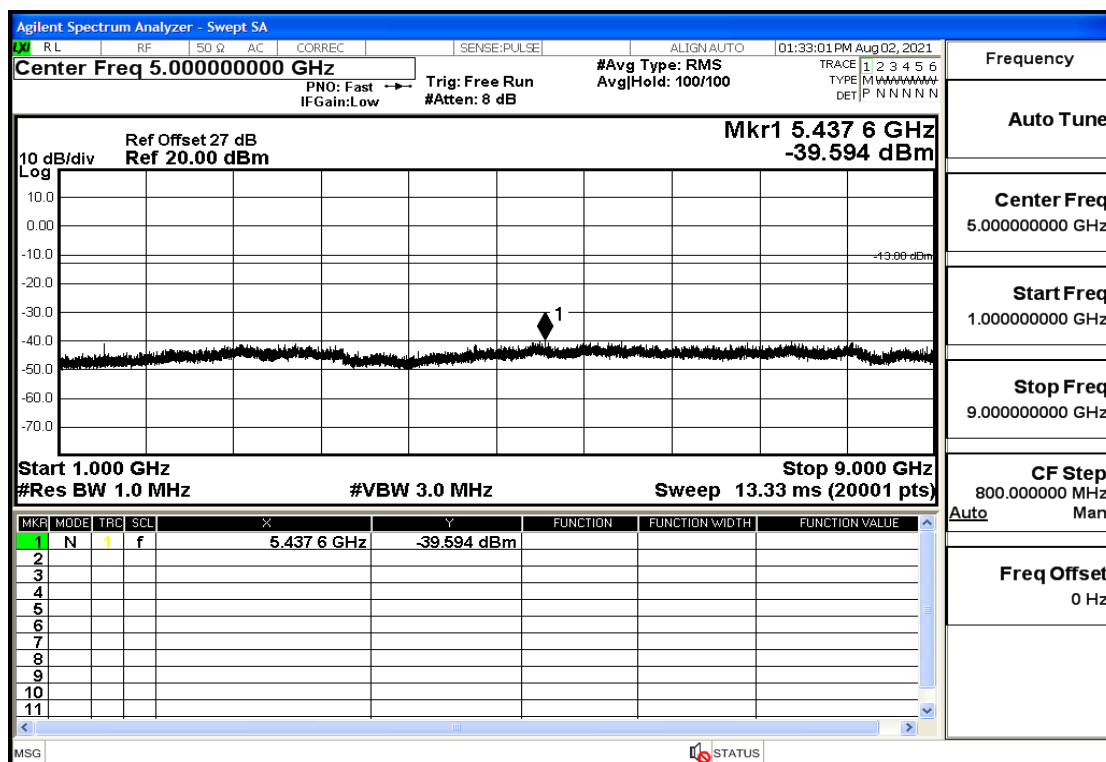
OB12-5-707.5-QPSK-1#LOW@1GHz-9GHz@Pass



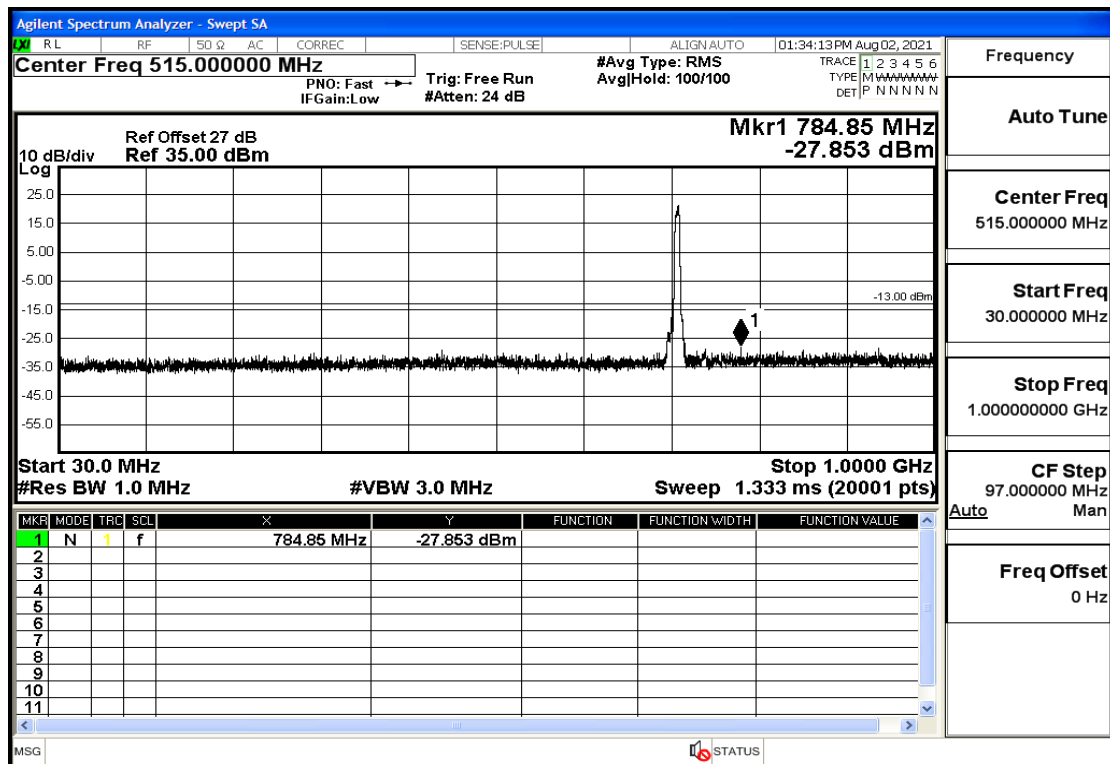
OB12-5-707.5-QPSK-1#HIGH@30mHz-1GHz@Pass



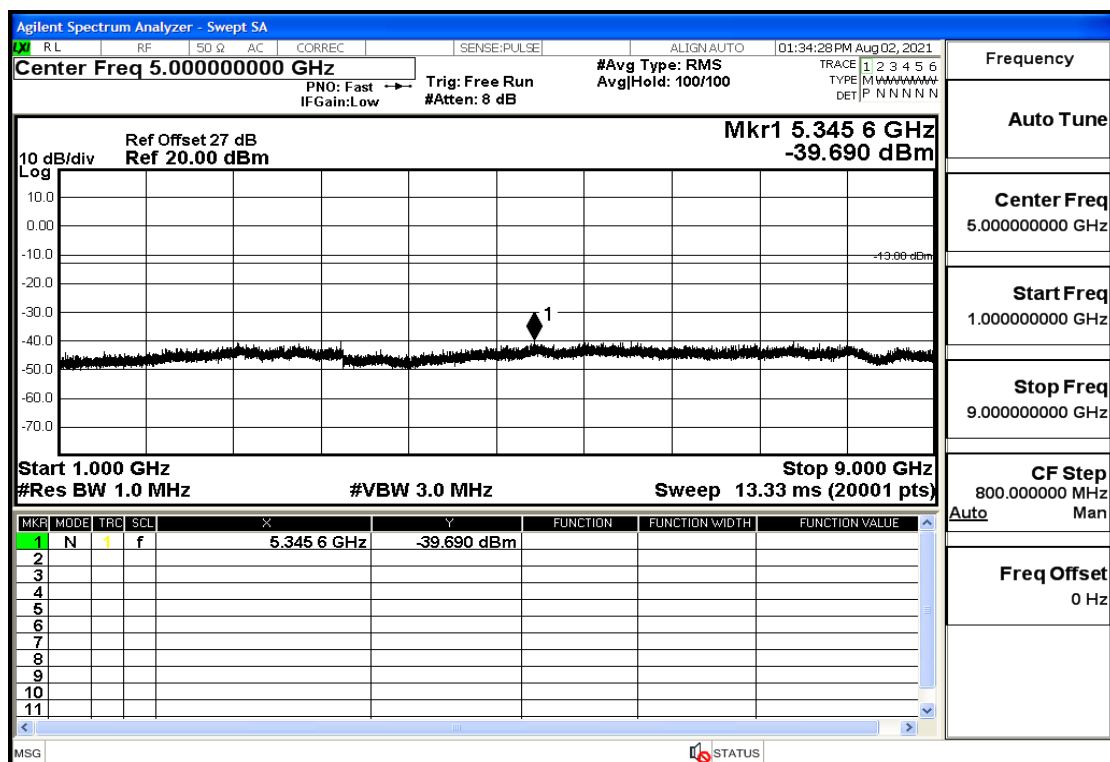
OB12-5-707.5-QPSK-1#HIGH@1GHz-9GHz@Pass



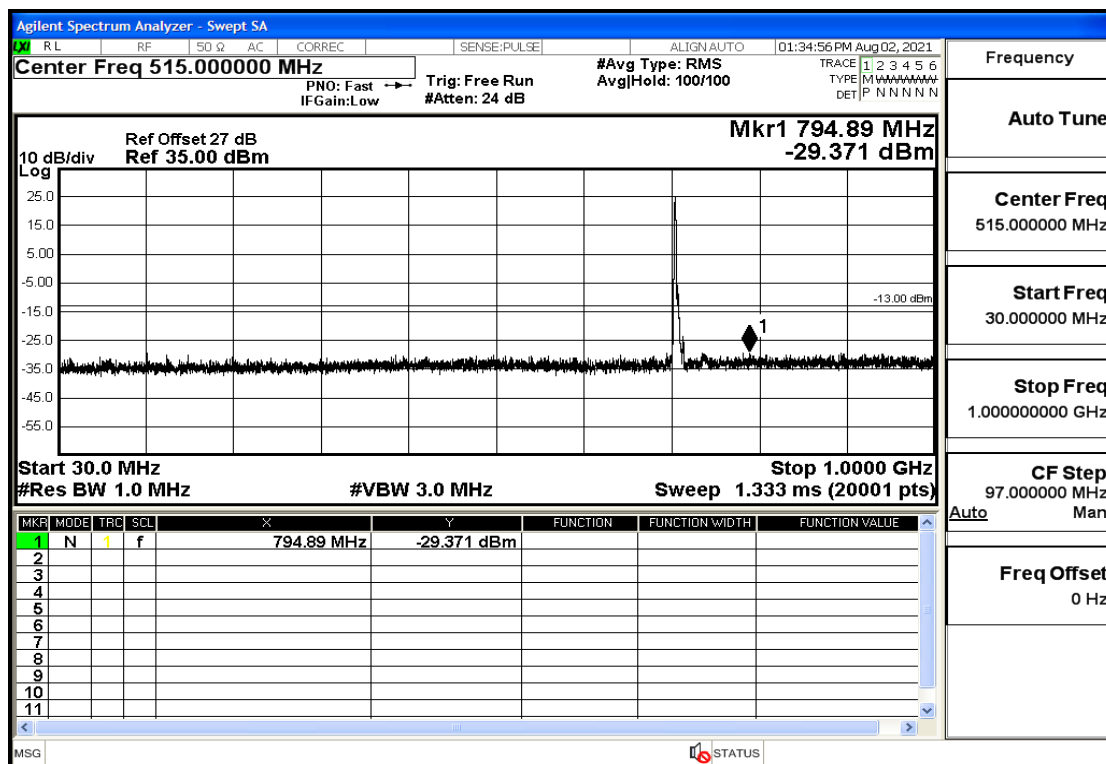
OB12-5-713.5-QPSK-25#LOW@30MHz-1GHz@Pass



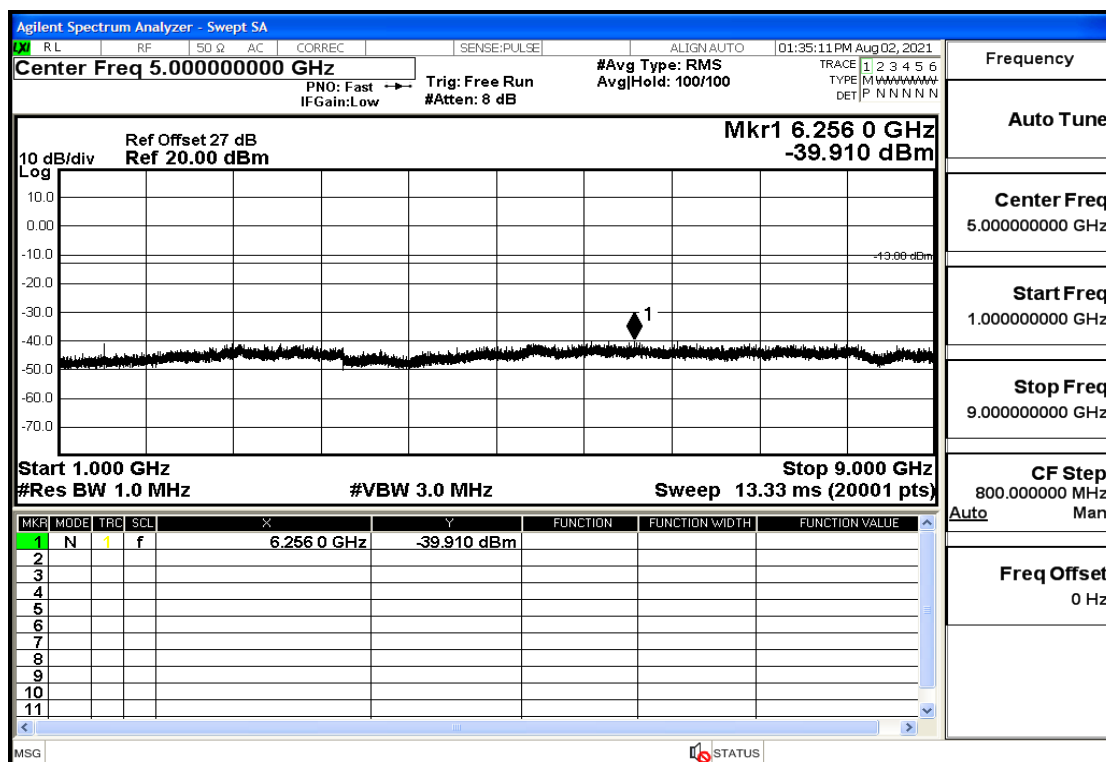
OB12-5-713.5-QPSK-25#LOW@1GHz-9GHz@Pass



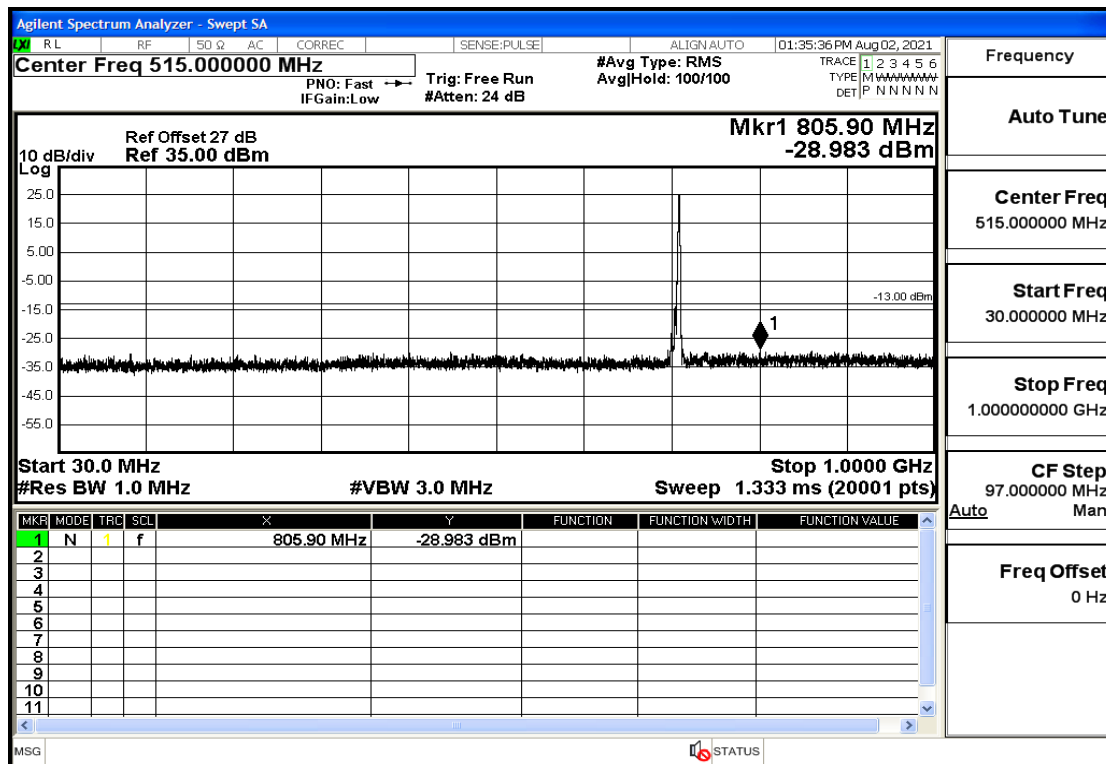
OB12-5-713.5-QPSK-1#LOW@30mHz-1GHz@Pass



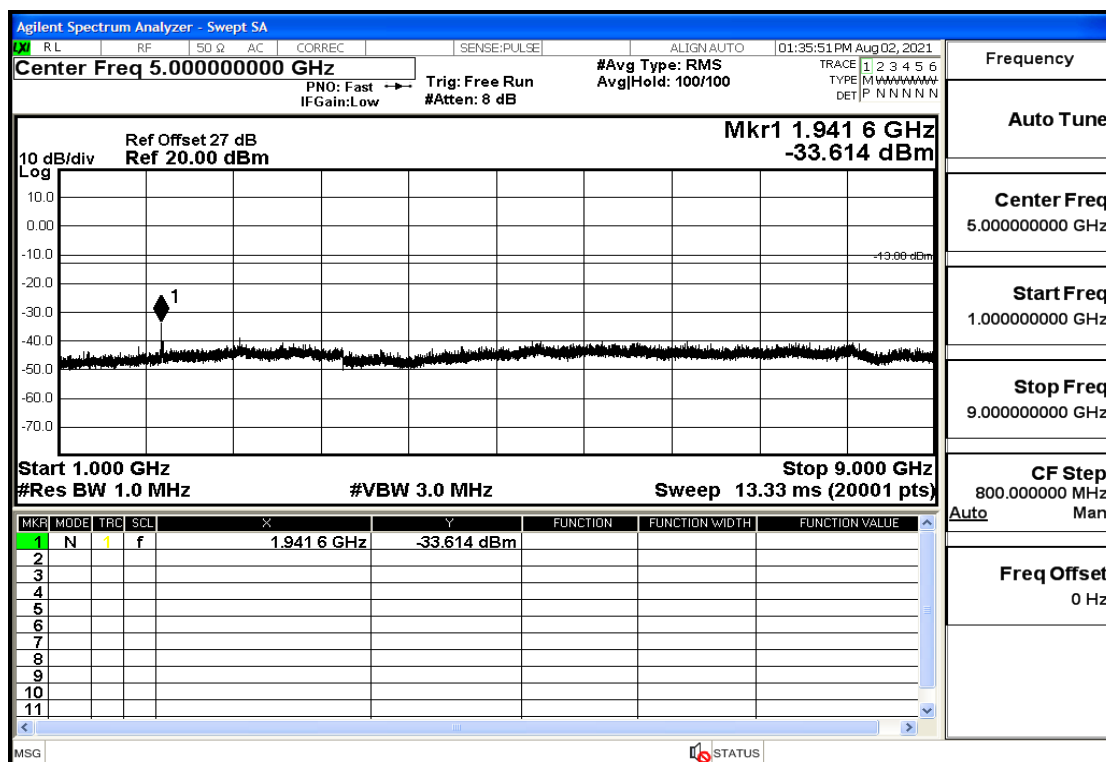
OB12-5-713.5-QPSK-1#LOW@1GHz-9GHz@Pass



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



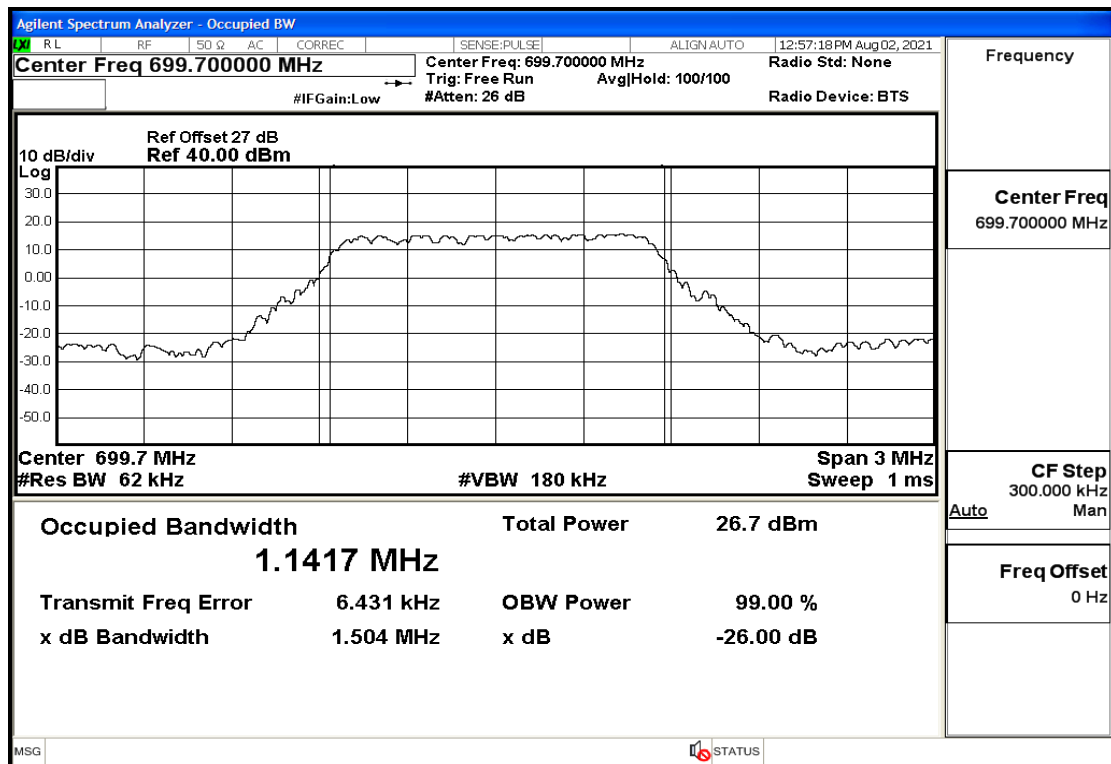
OB12-5-713.5-QPSK-1#HIGH@1GHz-9GHz@Pass



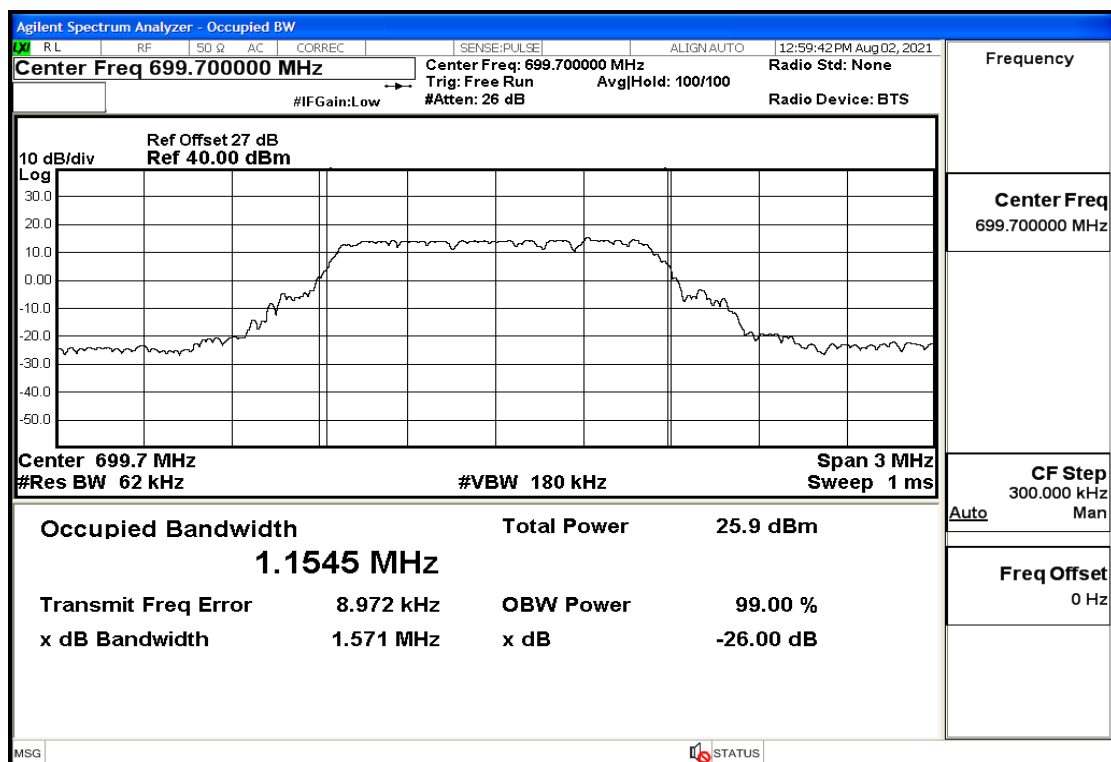
Emission bandwidth and OBW

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	1141.7	1504	No limit
Band12	1.4	699.7	16QAM	6	LOW	1154.5	1571	No limit
Band12	1.4	707.5	QPSK	6	LOW	1145	1506	No limit
Band12	1.4	707.5	16QAM	6	LOW	1147.5	1530	No limit
Band12	1.4	715.3	QPSK	6	LOW	1154.2	1526	No limit
Band12	1.4	715.3	16QAM	6	LOW	1145.1	1553	No limit
Band12	3	700.5	QPSK	15	LOW	2793.3	3277	No limit
Band12	3	700.5	16QAM	15	LOW	2774.1	3274	No limit
Band12	3	707.5	QPSK	15	LOW	2778.8	3288	No limit
Band12	3	707.5	16QAM	15	LOW	2773	3313	No limit
Band12	3	714.5	QPSK	15	LOW	2790.9	3334	No limit
Band12	3	714.5	16QAM	15	LOW	2822.1	3319	No limit
Band12	5	701.5	QPSK	25	LOW	4588.8	5181	No limit
Band12	5	701.5	16QAM	25	LOW	4582	5282	No limit
Band12	5	707.5	QPSK	25	LOW	4587.1	5286	No limit
Band12	5	707.5	16QAM	25	LOW	4621.8	5335	No limit
Band12	5	713.5	QPSK	25	LOW	4587.3	5290	No limit
Band12	5	713.5	16QAM	25	LOW	4582.2	5258	No limit

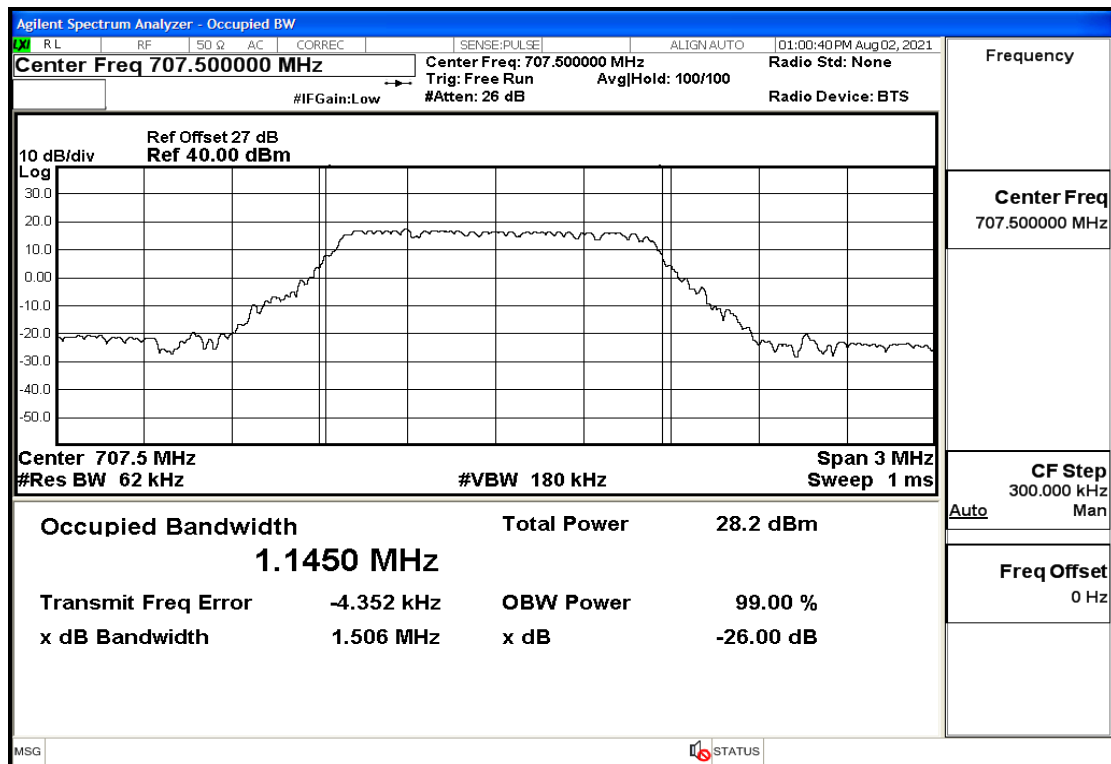
Band12-1.4-699.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



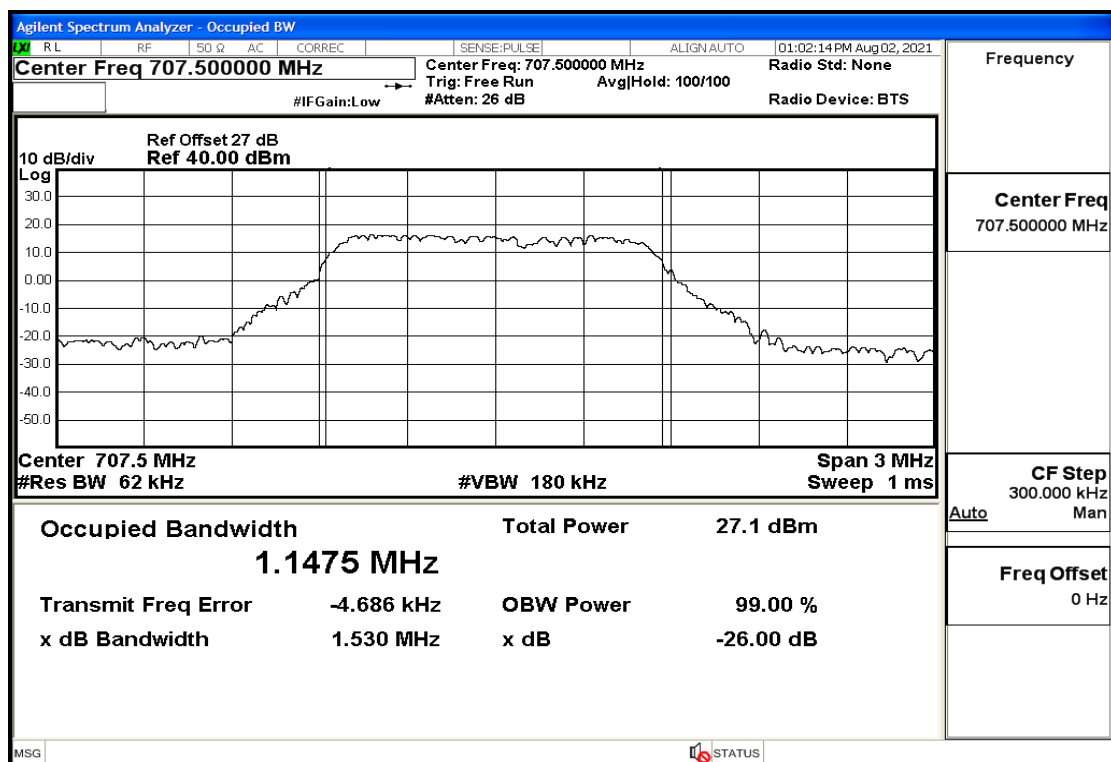
Band12-1.4-699.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



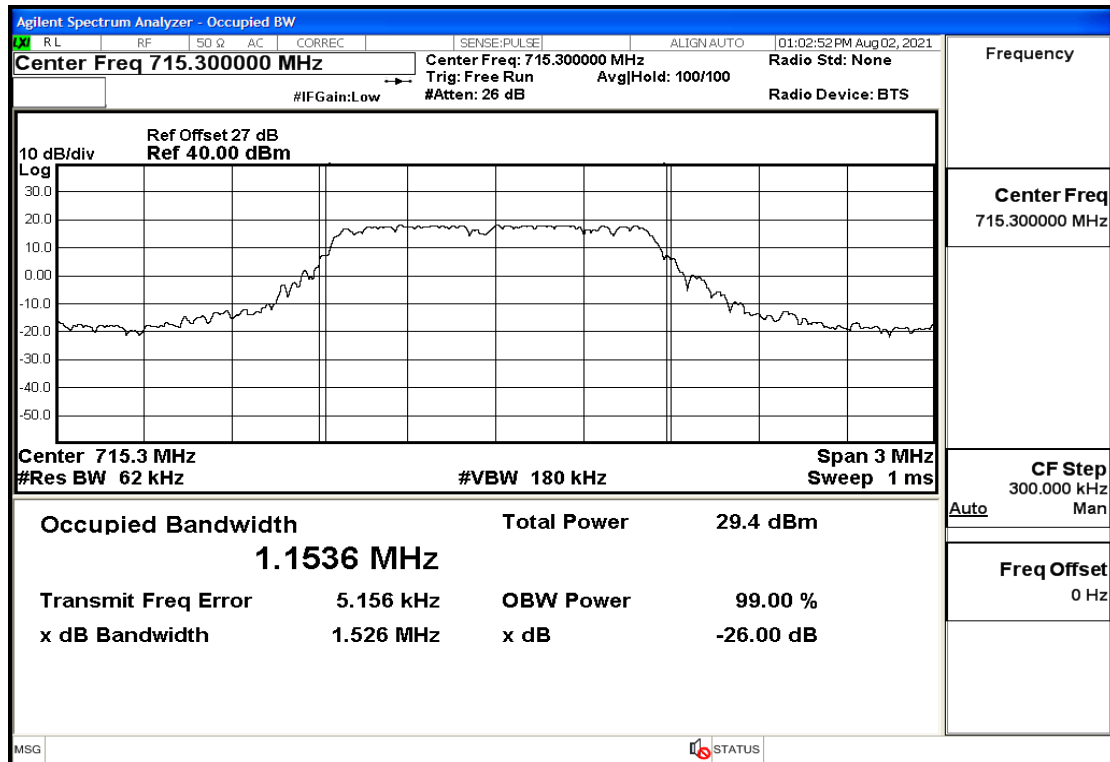
Band12-1.4-707.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



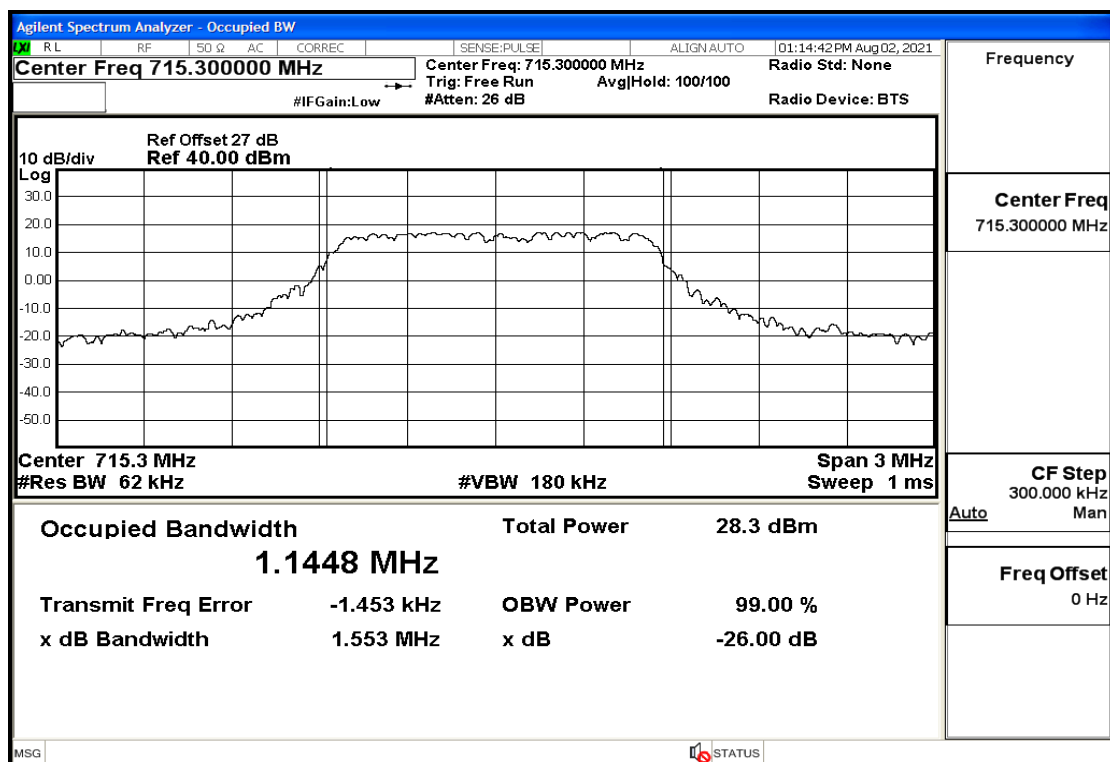
Band12-1.4-707.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



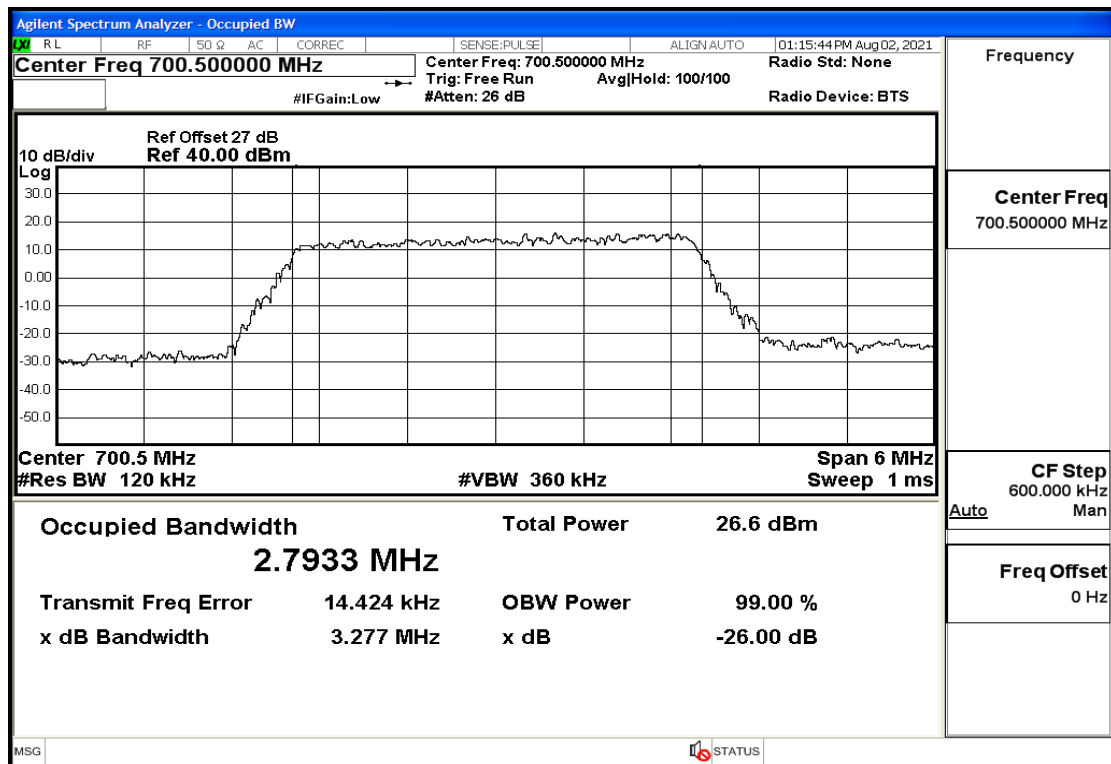
Band12-1.4-715.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



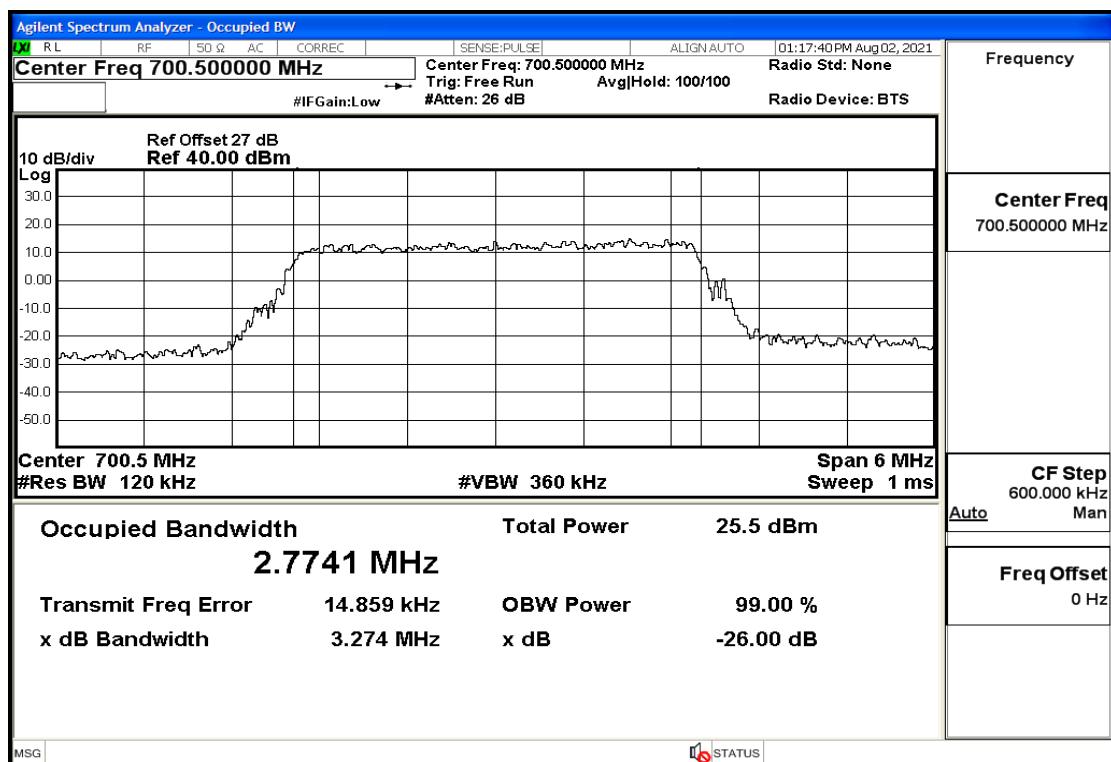
Band12-1.4-715.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



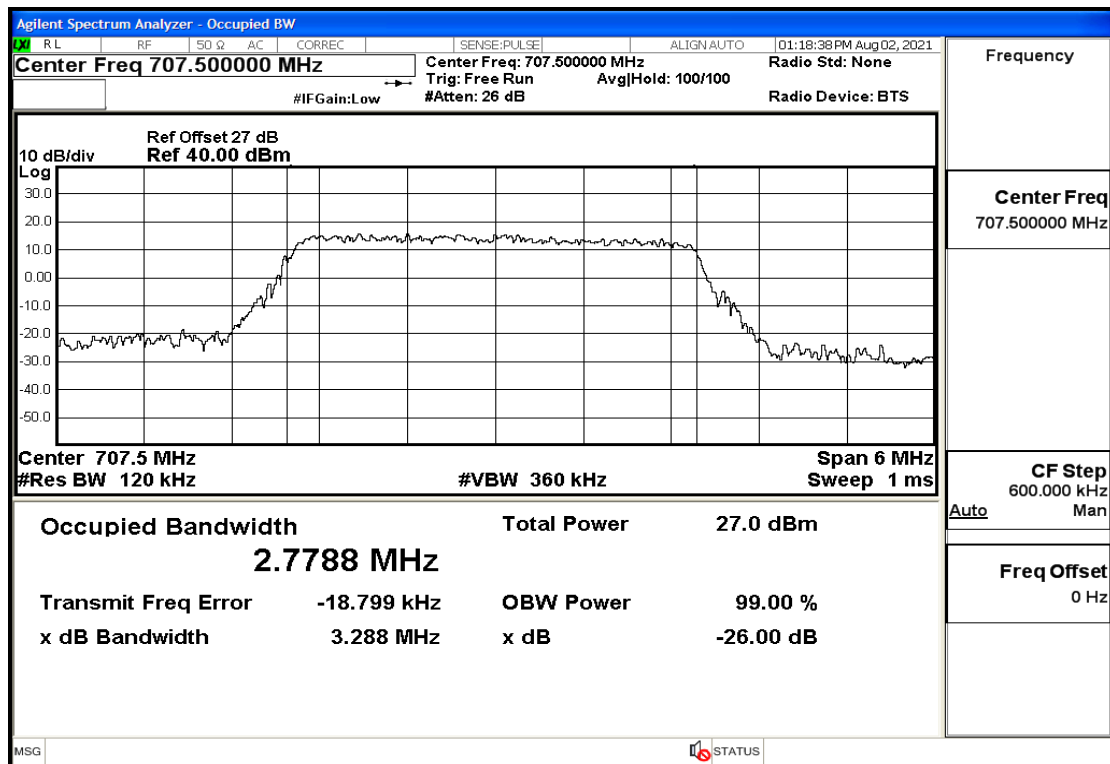
Band12-3-700.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



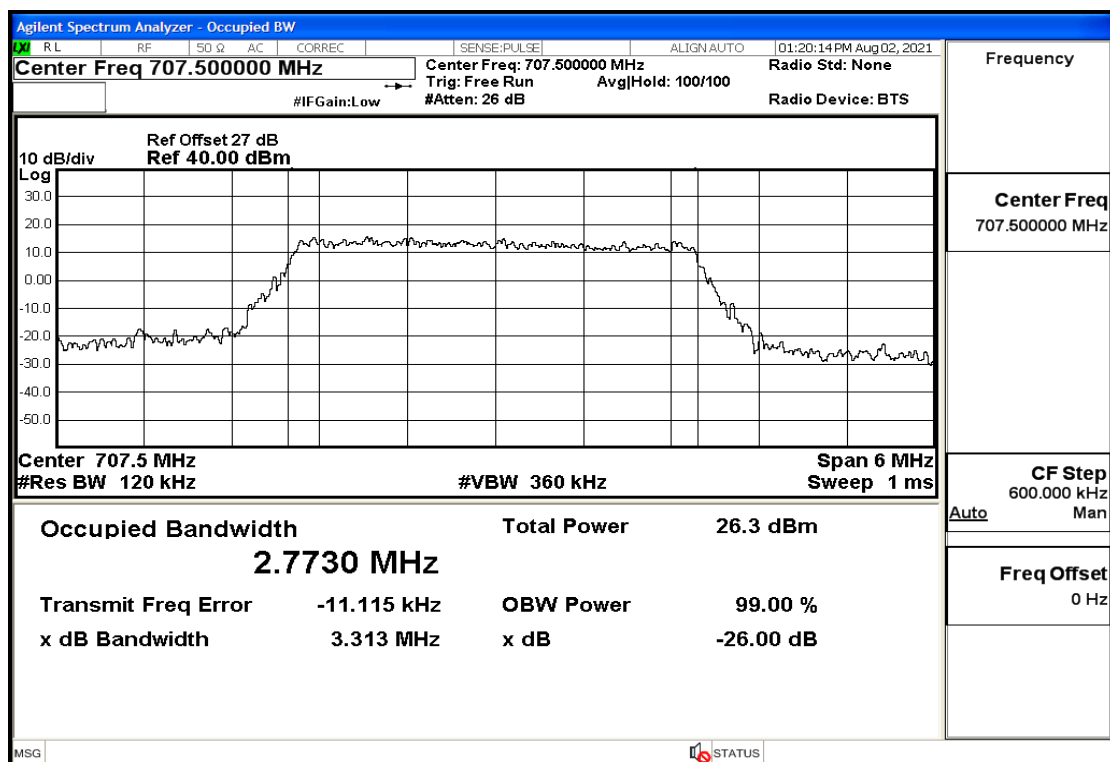
Band12-3-700.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



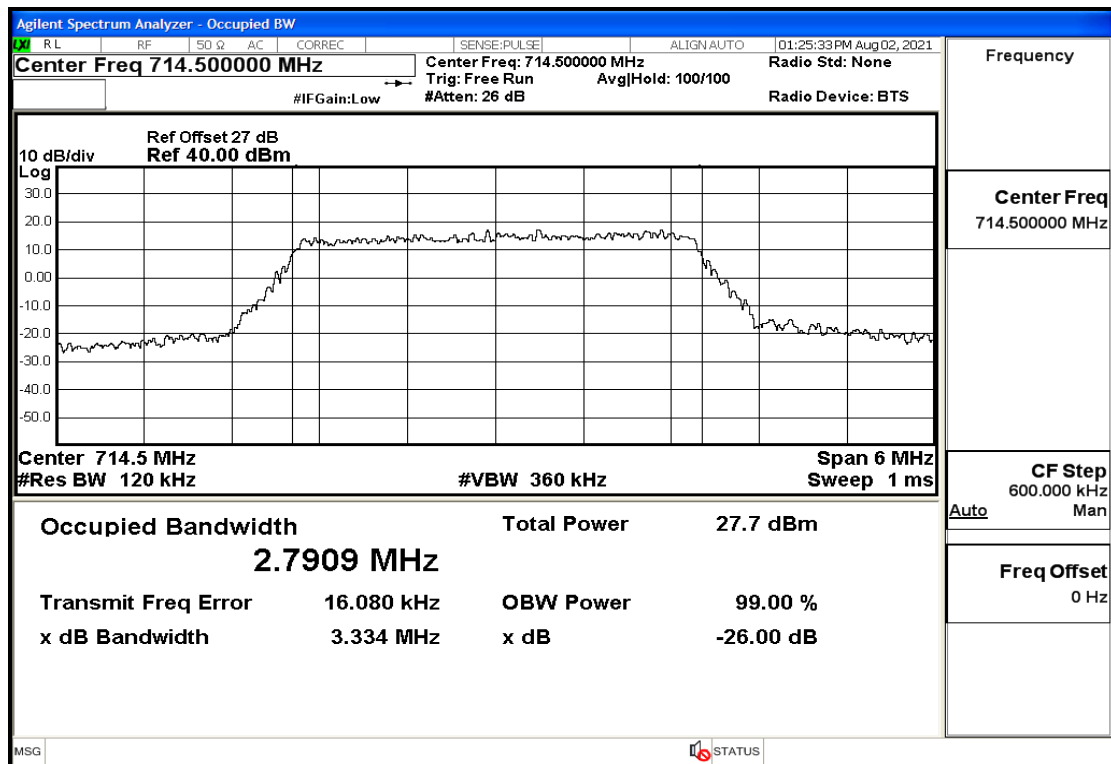
Band12-3-707.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



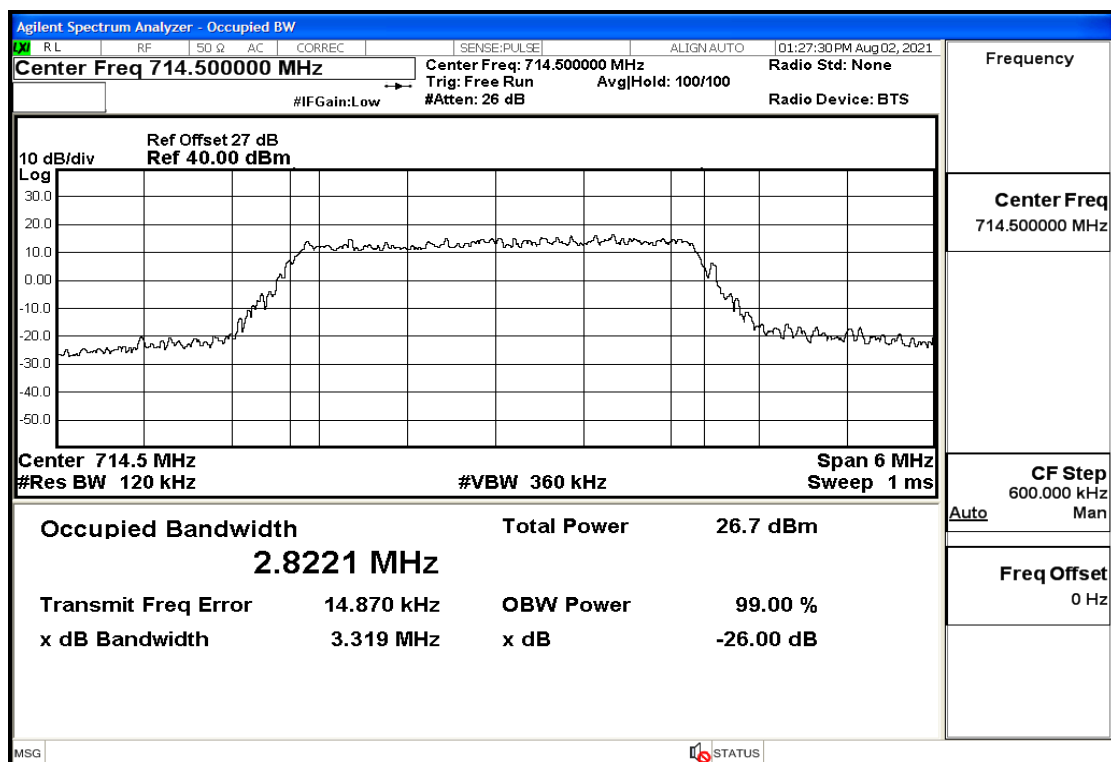
Band12-3-707.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



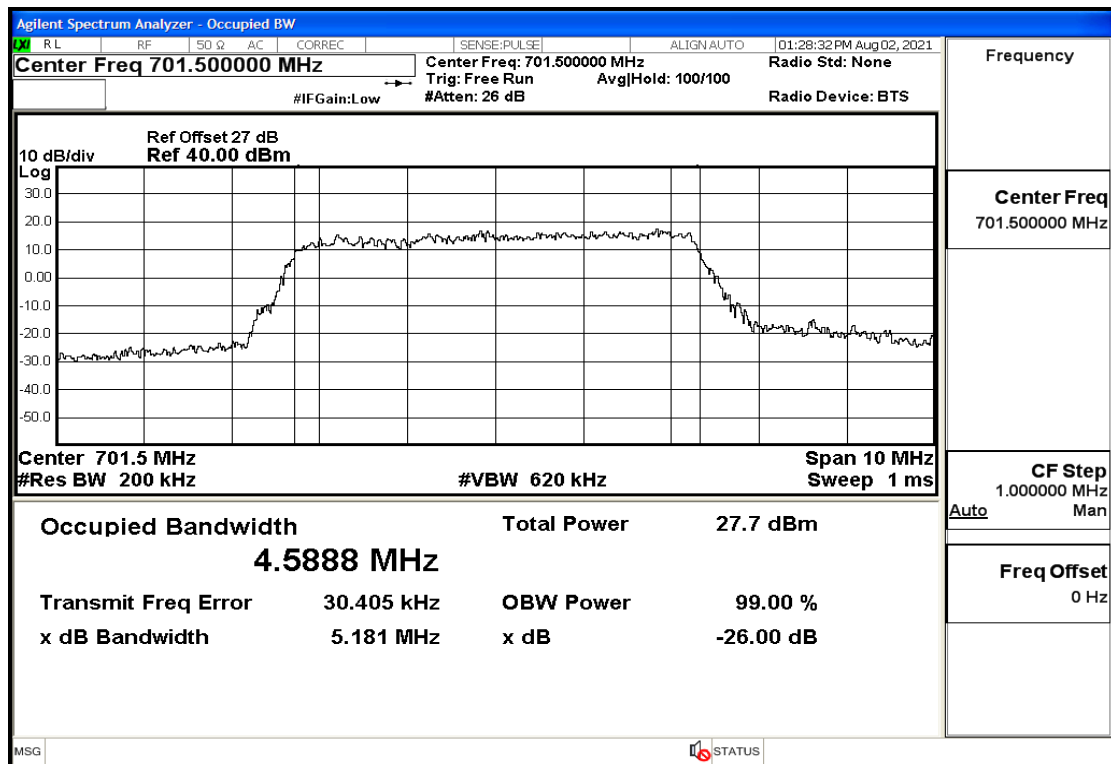
Band12-3-714.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



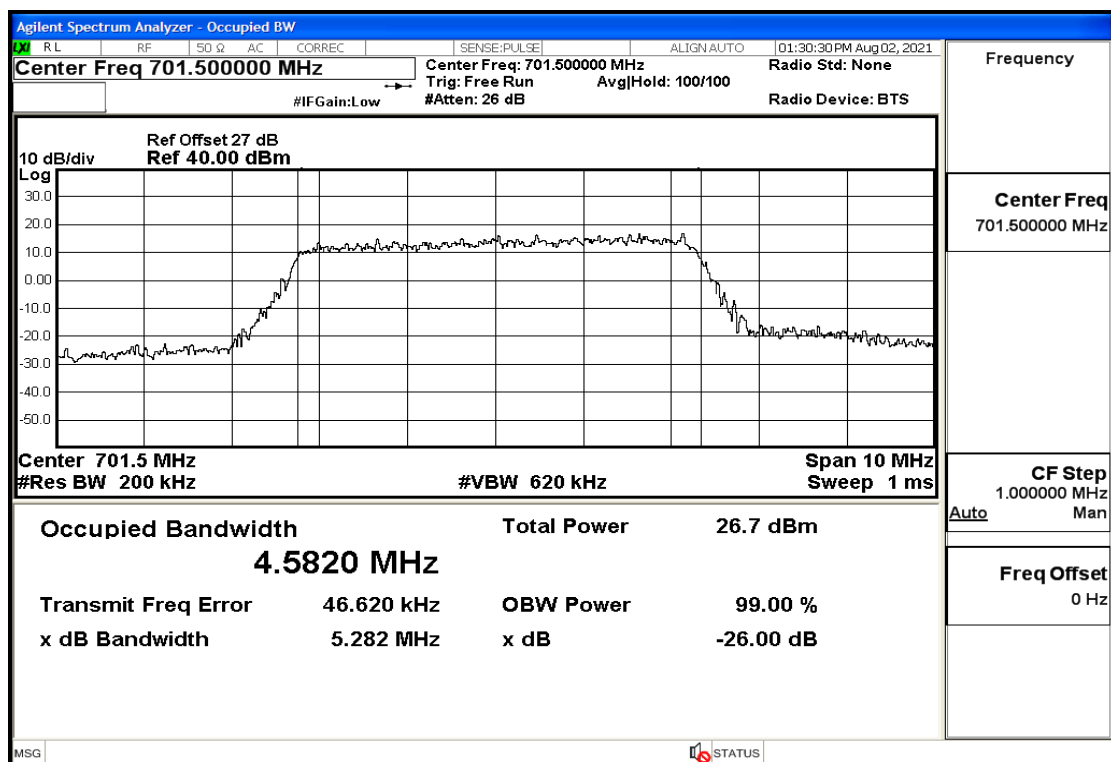
Band12-3-714.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



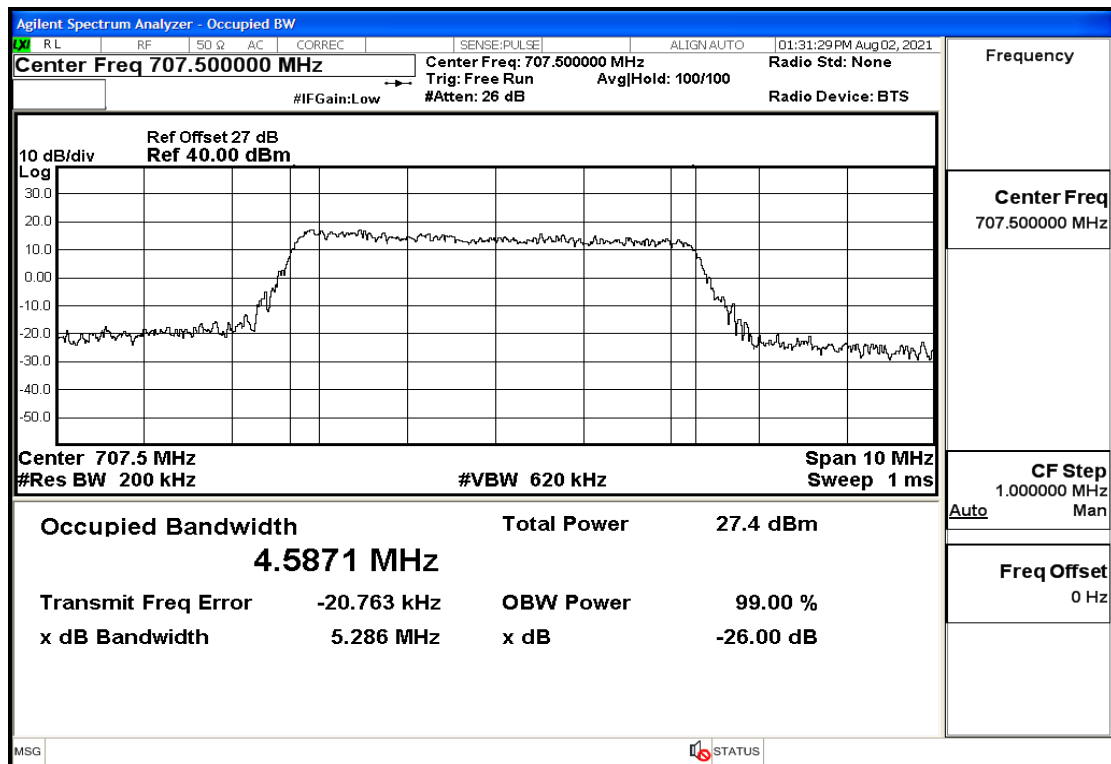
Band12-5-701.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



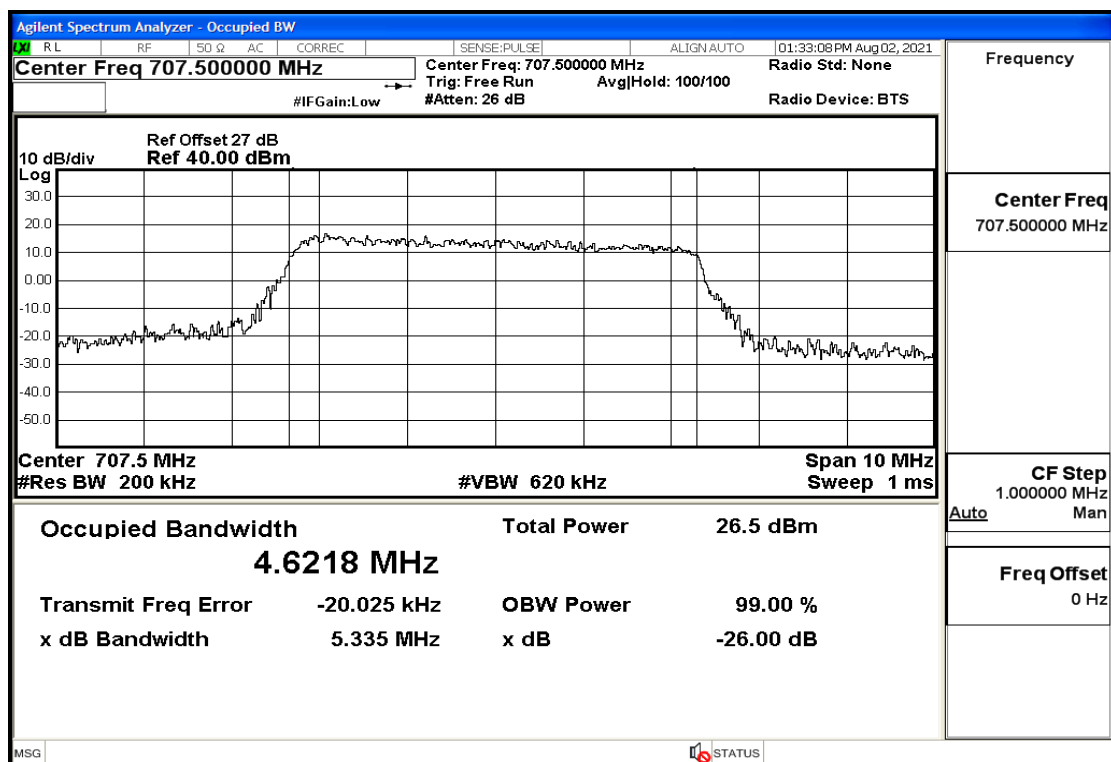
Band12-5-701.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



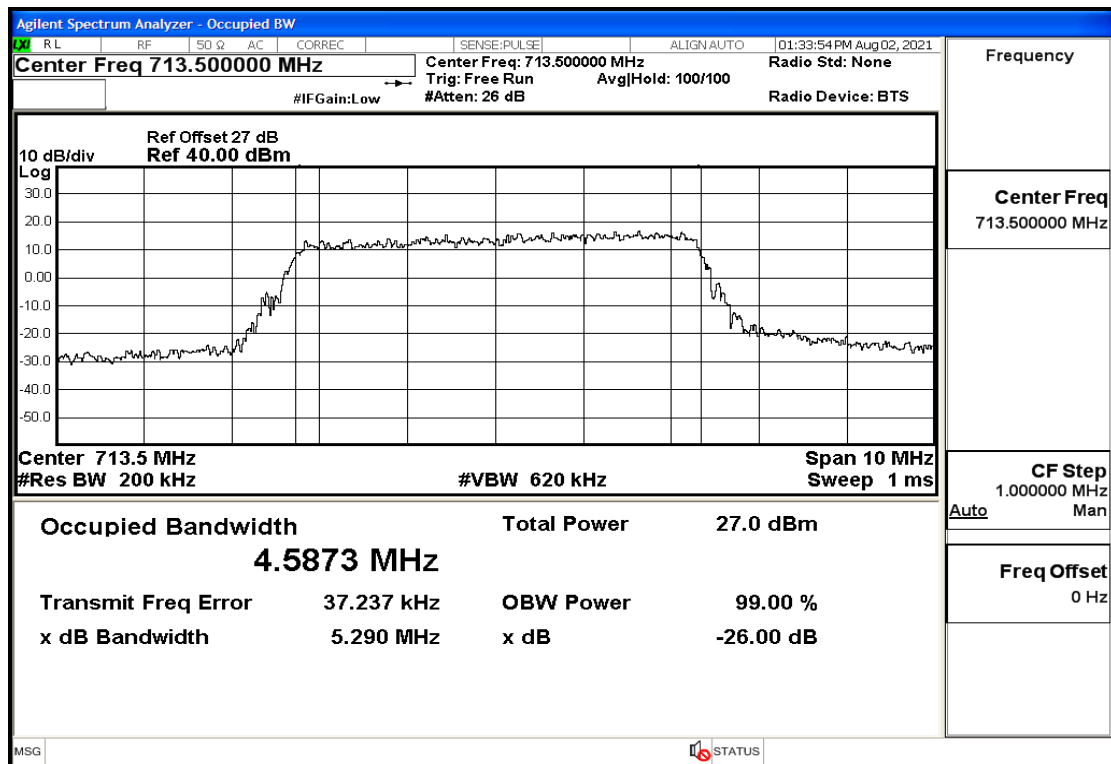
Band12-5-707.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



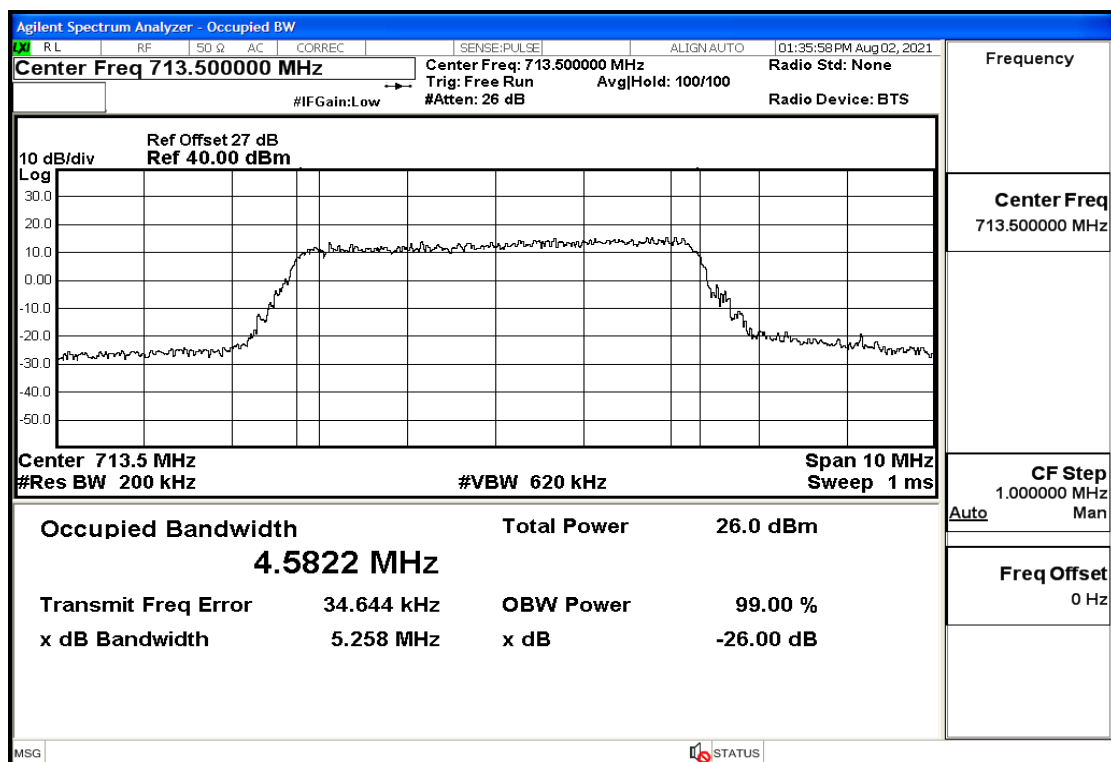
Band12-5-707.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



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



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



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	0.0699	PASS
40	Normal Voltage	0.0372	
30	Normal Voltage	0.0195	
20(Ref.)	Normal Voltage	0.0287	
10	Normal Voltage	0.0611	
0	Normal Voltage	0.0179	
-10	Normal Voltage	0.0493	
-20	Normal Voltage	0.0351	
-30	Normal Voltage	0.0171	
20	Maximum Voltage	0.0182	
20	Normal Voltage	0.0270	
20	Battery End Point	0.0560	

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	19.05	25.89	6.84	13	0.62	17.52	34.8	Pass
Band12	1.4	699.7	QPSK	3	LOW	19.96	26.55	6.59	13	0.62	18.43	34.8	Pass
Band12	1.4	699.7	QPSK	3	MID	19.93	26.54	6.61	13	0.62	18.4	34.8	Pass
Band12	1.4	699.7	QPSK	3	HIGH	20.31	27.06	6.75	13	0.62	18.78	34.8	Pass
Band12	1.4	699.7	QPSK	1	LOW	19.84	26.44	6.6	13	0.62	18.31	34.8	Pass
Band12	1.4	699.7	QPSK	1	MID	20.19	26.72	6.53	13	0.62	18.66	34.8	Pass
Band12	1.4	699.7	QPSK	1	HIGH	20.47	26.91	6.44	13	0.62	18.94	34.8	Pass
Band12	1.4	699.7	16QAM	6	LOW	18.17	26.17	8	13	0.62	16.64	34.8	Pass
Band12	1.4	699.7	16QAM	3	LOW	19.23	25.96	6.73	13	0.62	17.7	34.8	Pass
Band12	1.4	699.7	16QAM	3	MID	19.21	25.91	6.7	13	0.62	17.68	34.8	Pass
Band12	1.4	699.7	16QAM	3	HIGH	19.58	26.28	6.7	13	0.62	18.05	34.8	Pass
Band12	1.4	699.7	16QAM	1	LOW	18.94	25.22	6.28	13	0.62	17.41	34.8	Pass
Band12	1.4	699.7	16QAM	1	MID	19.33	25.58	6.25	13	0.62	17.8	34.8	Pass
Band12	1.4	699.7	16QAM	1	HIGH	19.6	25.84	6.24	13	0.62	18.07	34.8	Pass
Band12	1.4	707.5	QPSK	6	LOW	20.28	25.79	5.51	13	0.62	18.75	34.8	Pass
Band12	1.4	707.5	QPSK	3	LOW	21.55	26.49	4.94	13	0.62	20.02	34.8	Pass
Band12	1.4	707.5	QPSK	3	MID	21.54	26.49	4.95	13	0.62	20.01	34.8	Pass
Band12	1.4	707.5	QPSK	3	HIGH	21.15	26.48	5.33	13	0.62	19.62	34.8	Pass
Band12	1.4	707.5	QPSK	1	LOW	21.71	26.26	4.55	13	0.62	20.18	34.8	Pass
Band12	1.4	707.5	QPSK	1	MID	21.38	26.19	4.81	13	0.62	19.85	34.8	Pass
Band12	1.4	707.5	QPSK	1	HIGH	21.08	26.17	5.09	13	0.62	19.55	34.8	Pass
Band12	1.4	707.5	16QAM	6	LOW	19.63	26.17	6.54	13	0.62	18.1	34.8	Pass
Band12	1.4	707.5	16QAM	3	LOW	20.72	26.46	5.74	13	0.62	19.19	34.8	Pass
Band12	1.4	707.5	16QAM	3	MID	20.72	26.46	5.74	13	0.62	19.19	34.8	Pass
Band12	1.4	707.5	16QAM	3	HIGH	20.34	26.38	6.04	13	0.62	18.81	34.8	Pass
Band12	1.4	707.5	16QAM	1	LOW	20.94	25.46	4.52	13	0.62	19.41	34.8	Pass
Band12	1.4	707.5	16QAM	1	MID	20.59	25.28	4.69	13	0.62	19.06	34.8	Pass
Band12	1.4	707.5	16QAM	1	HIGH	20.33	25.13	4.8	13	0.62	18.8	34.8	Pass
Band12	1.4	715.3	QPSK	6	LOW	21.61	26.63	5.02	13	0.62	20.08	34.8	Pass
Band12	1.4	715.3	QPSK	3	LOW	22.49	26.94	4.45	13	0.62	20.96	34.8	Pass
Band12	1.4	715.3	QPSK	3	MID	22.47	26.89	4.42	13	0.62	20.94	34.8	Pass
Band12	1.4	715.3	QPSK	3	HIGH	22.3	26.8	4.5	13	0.62	20.77	34.8	Pass
Band12	1.4	715.3	QPSK	1	LOW	22.33	26.54	4.21	13	0.62	20.8	34.8	Pass
Band12	1.4	715.3	QPSK	1	MID	22.3	26.03	3.73	13	0.62	20.77	34.8	Pass
Band12	1.4	715.3	QPSK	1	HIGH	22.24	26.03	3.79	13	0.62	20.71	34.8	Pass
Band12	1.4	715.3	16QAM	6	LOW	20.66	26.7	6.04	13	0.62	19.13	34.8	Pass
Band12	1.4	715.3	16QAM	3	LOW	21.63	26.91	5.28	13	0.62	20.1	34.8	Pass
Band12	1.4	715.3	16QAM	3	MID	21.6	26.88	5.28	13	0.62	20.07	34.8	Pass
Band12	1.4	715.3	16QAM	3	HIGH	21.56	26.5	4.94	13	0.62	20.03	34.8	Pass
Band12	1.4	715.3	16QAM	1	LOW	21.55	26.06	4.51	13	0.62	20.02	34.8	Pass

Band12	1.4	715.3	16QAM	1	MID	21.87	25.87	4	13	0.62	20.34	34.8	Pass
Band12	1.4	715.3	16QAM	1	HIGH	21.55	25.6	4.05	13	0.62	20.02	34.8	Pass
Band12	3	700.5	QPSK	15	LOW	20.04	26.43	6.39	13	0.62	18.51	34.8	Pass
Band12	3	700.5	QPSK	8	LOW	19.35	25.77	6.42	13	0.62	17.82	34.8	Pass
Band12	3	700.5	QPSK	8	MID	19.34	25.64	6.3	13	0.62	17.81	34.8	Pass
Band12	3	700.5	QPSK	8	HIGH	20.57	26.66	6.09	13	0.62	19.04	34.8	Pass
Band12	3	700.5	QPSK	1	LOW	19.74	25.16	5.42	13	0.62	18.21	34.8	Pass
Band12	3	700.5	QPSK	1	MID	21.01	26.22	5.21	13	0.62	19.48	34.8	Pass
Band12	3	700.5	QPSK	1	HIGH	21.97	26.75	4.78	13	0.62	20.44	34.8	Pass
Band12	3	700.5	16QAM	15	LOW	19	26.14	7.14	13	0.62	17.47	34.8	Pass
Band12	3	700.5	16QAM	8	LOW	18.39	25.45	7.06	13	0.62	16.86	34.8	Pass
Band12	3	700.5	16QAM	8	MID	18.4	25.6	7.2	13	0.62	16.87	34.8	Pass
Band12	3	700.5	16QAM	8	HIGH	19.61	26.57	6.96	13	0.62	18.08	34.8	Pass
Band12	3	700.5	16QAM	1	LOW	19.47	26.77	7.3	13	0.62	17.94	34.8	Pass
Band12	3	700.5	16QAM	1	MID	20.73	27.38	6.65	13	0.62	19.2	34.8	Pass
Band12	3	700.5	16QAM	1	HIGH	21.62	27.34	5.72	13	0.62	20.09	34.8	Pass
Band12	3	707.5	QPSK	15	LOW	20.34	26.57	6.23	13	0.62	18.81	34.8	Pass
Band12	3	707.5	QPSK	8	LOW	21.03	26.4	5.37	13	0.62	19.5	34.8	Pass
Band12	3	707.5	QPSK	8	MID	21.06	26.43	5.37	13	0.62	19.53	34.8	Pass
Band12	3	707.5	QPSK	8	HIGH	20.06	25.95	5.89	13	0.62	18.53	34.8	Pass
Band12	3	707.5	QPSK	1	LOW	22.44	26.37	3.93	13	0.62	20.91	34.8	Pass
Band12	3	707.5	QPSK	1	MID	21.36	26.28	4.92	13	0.62	19.83	34.8	Pass
Band12	3	707.5	QPSK	1	HIGH	20.5	26.06	5.56	13	0.62	18.97	34.8	Pass
Band12	3	707.5	16QAM	15	LOW	19.61	26.68	7.07	13	0.62	18.08	34.8	Pass
Band12	3	707.5	16QAM	8	LOW	20.09	25.86	5.77	13	0.62	18.56	34.8	Pass
Band12	3	707.5	16QAM	8	MID	20.13	25.94	5.81	13	0.62	18.6	34.8	Pass
Band12	3	707.5	16QAM	8	HIGH	19.15	25.29	6.14	13	0.62	17.62	34.8	Pass
Band12	3	707.5	16QAM	1	LOW	21.66	25.69	4.03	13	0.62	20.13	34.8	Pass
Band12	3	707.5	16QAM	1	MID	20.58	25.32	4.74	13	0.62	19.05	34.8	Pass
Band12	3	707.5	16QAM	1	HIGH	19.93	25	5.07	13	0.62	18.4	34.8	Pass
Band12	3	714.5	QPSK	15	LOW	21.11	27.45	6.34	13	0.62	19.58	34.8	Pass
Band12	3	714.5	QPSK	8	LOW	20.3	26.79	6.49	13	0.62	18.77	34.8	Pass
Band12	3	714.5	QPSK	8	MID	20.27	26.7	6.43	13	0.62	18.74	34.8	Pass
Band12	3	714.5	QPSK	8	HIGH	21.51	26.74	5.23	13	0.62	19.98	34.8	Pass
Band12	3	714.5	QPSK	1	LOW	20.59	26.2	5.61	13	0.62	19.06	34.8	Pass
Band12	3	714.5	QPSK	1	MID	22.1	26.58	4.48	13	0.62	20.57	34.8	Pass
Band12	3	714.5	QPSK	1	HIGH	22.18	26.08	3.9	13	0.62	20.65	34.8	Pass
Band12	3	714.5	16QAM	15	LOW	20.17	26.68	6.51	13	0.62	18.64	34.8	Pass
Band12	3	714.5	16QAM	8	LOW	19.45	26.07	6.62	13	0.62	17.92	34.8	Pass
Band12	3	714.5	16QAM	8	MID	19.45	25.56	6.11	13	0.62	17.92	34.8	Pass
Band12	3	714.5	16QAM	8	HIGH	20.75	26.45	5.7	13	0.62	19.22	34.8	Pass
Band12	3	714.5	16QAM	1	LOW	19.91	25.26	5.35	13	0.62	18.38	34.8	Pass
Band12	3	714.5	16QAM	1	MID	21.49	26.18	4.69	13	0.62	19.96	34.8	Pass
Band12	3	714.5	16QAM	1	HIGH	21.52	25.59	4.07	13	0.62	19.99	34.8	Pass
Band12	5	701.5	QPSK	25	LOW	21.08	27.31	6.23	13	0.62	19.55	34.8	Pass
Band12	5	701.5	QPSK	12	LOW	19.8	26.29	6.49	13	0.62	18.27	34.8	Pass

Band12	5	701.5	QPSK	12	MID	19.81	26.12	6.31	13	0.62	18.28	34.8	Pass
Band12	5	701.5	QPSK	12	HIGH	21.77	27.03	5.26	13	0.62	20.24	34.8	Pass
Band12	5	701.5	QPSK	1	LOW	19.82	27.19	7.37	13	0.62	18.29	34.8	Pass
Band12	5	701.5	QPSK	1	MID	22.14	27.38	5.24	13	0.62	20.61	34.8	Pass
Band12	5	701.5	QPSK	1	HIGH	22.83	27.15	4.32	13	0.62	21.3	34.8	Pass
Band12	5	701.5	16QAM	25	LOW	20.04	27.68	7.64	13	0.62	18.51	34.8	Pass
Band12	5	701.5	16QAM	12	LOW	18.74	26.62	7.88	13	0.62	17.21	34.8	Pass
Band12	5	701.5	16QAM	12	MID	18.71	26.54	7.83	13	0.62	17.18	34.8	Pass
Band12	5	701.5	16QAM	12	HIGH	20.72	27.15	6.43	13	0.62	19.19	34.8	Pass
Band12	5	701.5	16QAM	1	LOW	18.95	24.89	5.94	13	0.62	17.42	34.8	Pass
Band12	5	701.5	16QAM	1	MID	21.19	26.63	5.44	13	0.62	19.66	34.8	Pass
Band12	5	701.5	16QAM	1	HIGH	21.94	26.47	4.53	13	0.62	20.41	34.8	Pass
Band12	5	707.5	QPSK	25	LOW	20.7	26.46	5.76	13	0.62	19.17	34.8	Pass
Band12	5	707.5	QPSK	12	LOW	21.59	26.78	5.19	13	0.62	20.06	34.8	Pass
Band12	5	707.5	QPSK	12	MID	21.61	26.85	5.24	13	0.62	20.08	34.8	Pass
Band12	5	707.5	QPSK	12	HIGH	19.81	26.08	6.27	13	0.62	18.28	34.8	Pass
Band12	5	707.5	QPSK	1	LOW	22.94	26.47	3.53	13	0.62	21.41	34.8	Pass
Band12	5	707.5	QPSK	1	MID	21.47	26.27	4.8	13	0.62	19.94	34.8	Pass
Band12	5	707.5	QPSK	1	HIGH	20	25.83	5.83	13	0.62	18.47	34.8	Pass
Band12	5	707.5	16QAM	25	LOW	19.84	26.92	7.08	13	0.62	18.31	34.8	Pass
Band12	5	707.5	16QAM	12	LOW	20.7	26.25	5.55	13	0.62	19.17	34.8	Pass
Band12	5	707.5	16QAM	12	MID	20.75	26.23	5.48	13	0.62	19.22	34.8	Pass
Band12	5	707.5	16QAM	12	HIGH	18.99	25.73	6.74	13	0.62	17.46	34.8	Pass
Band12	5	707.5	16QAM	1	LOW	22.35	26.37	4.02	13	0.62	20.82	34.8	Pass
Band12	5	707.5	16QAM	1	MID	20.91	26.09	5.18	13	0.62	19.38	34.8	Pass
Band12	5	707.5	16QAM	1	HIGH	19.46	25.71	6.25	13	0.62	17.93	34.8	Pass
Band12	5	713.5	QPSK	25	LOW	20.35	26.66	6.31	13	0.62	18.82	34.8	Pass
Band12	5	713.5	QPSK	12	LOW	19.01	25.19	6.18	13	0.62	17.48	34.8	Pass
Band12	5	713.5	QPSK	12	MID	19	25.2	6.2	13	0.62	17.47	34.8	Pass
Band12	5	713.5	QPSK	12	HIGH	21.12	26.55	5.43	13	0.62	19.59	34.8	Pass
Band12	5	713.5	QPSK	1	LOW	19.45	25.55	6.1	13	0.62	17.92	34.8	Pass
Band12	5	713.5	QPSK	1	MID	21.13	26.75	5.62	13	0.62	19.6	34.8	Pass
Band12	5	713.5	QPSK	1	HIGH	22.01	26.19	4.18	13	0.62	20.48	34.8	Pass
Band12	5	713.5	16QAM	25	LOW	19.32	27.26	7.94	13	0.62	17.79	34.8	Pass
Band12	5	713.5	16QAM	12	LOW	18.1	25.1	7	13	0.62	16.57	34.8	Pass
Band12	5	713.5	16QAM	12	MID	18.1	25.07	6.97	13	0.62	16.57	34.8	Pass
Band12	5	713.5	16QAM	12	HIGH	20.18	26.45	6.27	13	0.62	18.65	34.8	Pass
Band12	5	713.5	16QAM	1	LOW	18.6	25.52	6.92	13	0.62	17.07	34.8	Pass
Band12	5	713.5	16QAM	1	MID	20.28	26.89	6.61	13	0.62	18.75	34.8	Pass
Band12	5	713.5	16QAM	1	HIGH	21.35	26.2	4.85	13	0.62	19.82	34.8	Pass