RF Test Data for LTE (Conducted Measurement)

Product Name: Smart phone

Trade Mark: KRIP

Test Model: K60

FCC ID: 2APX7K60

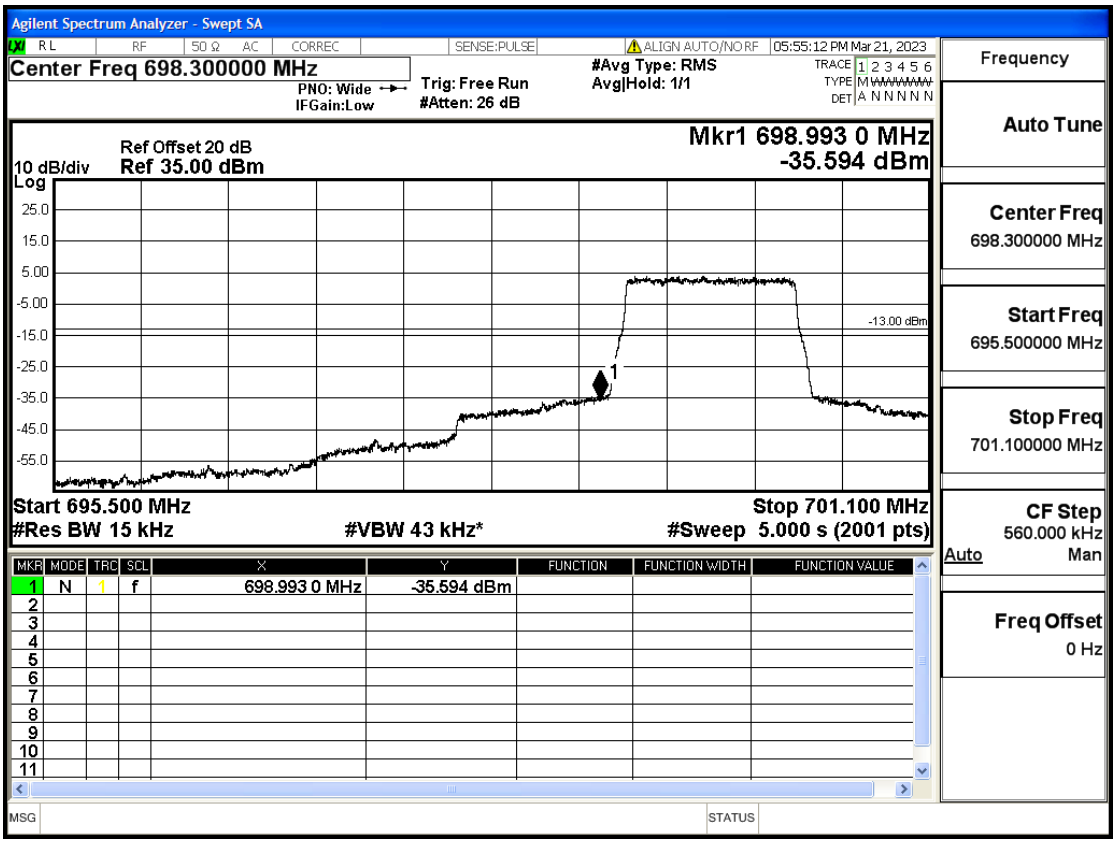
Environmental Conditions

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

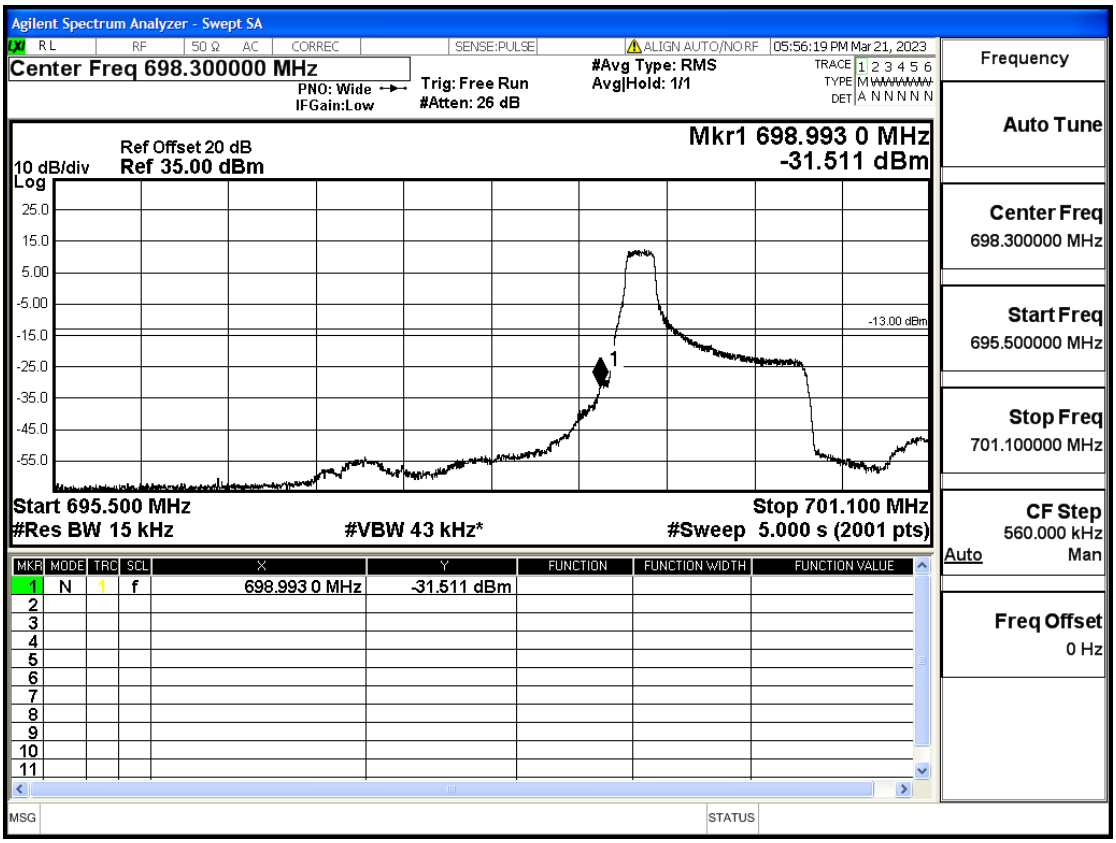
Band Edge and Emission Mask

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	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

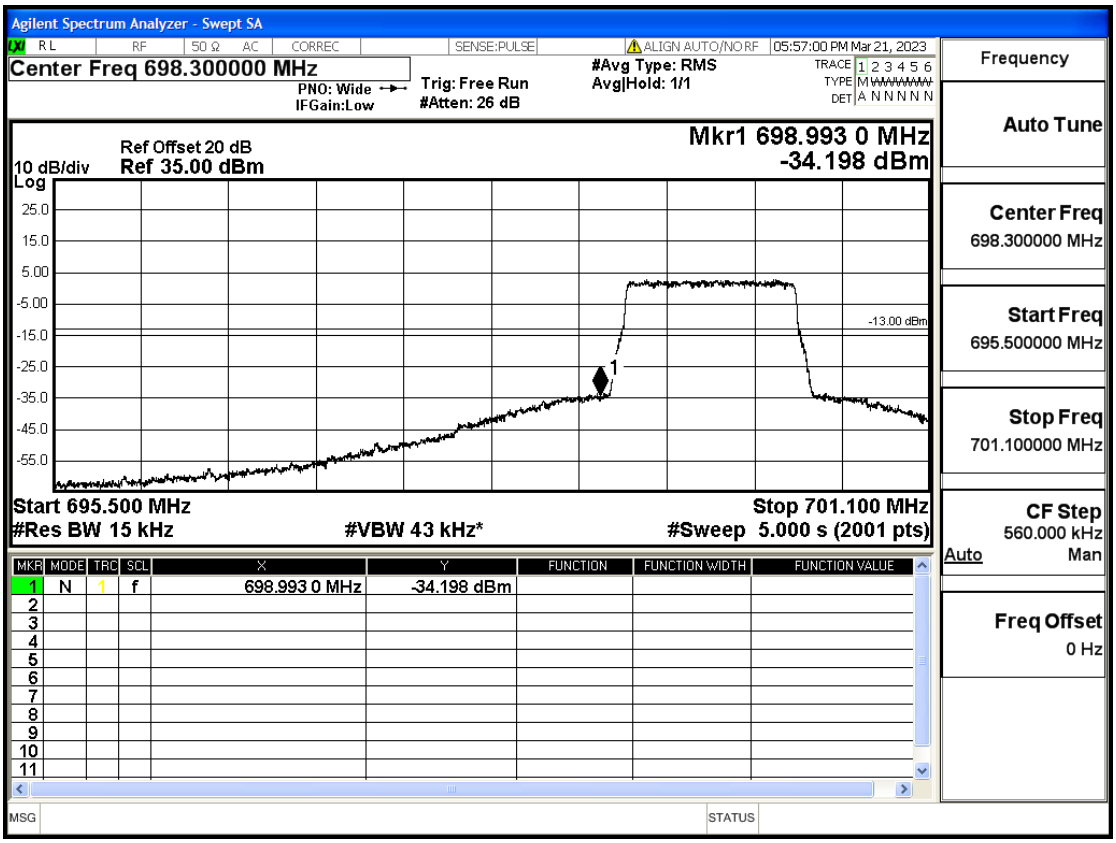
Band12-1.4-699.7-QPSK-6#LOW@Pass



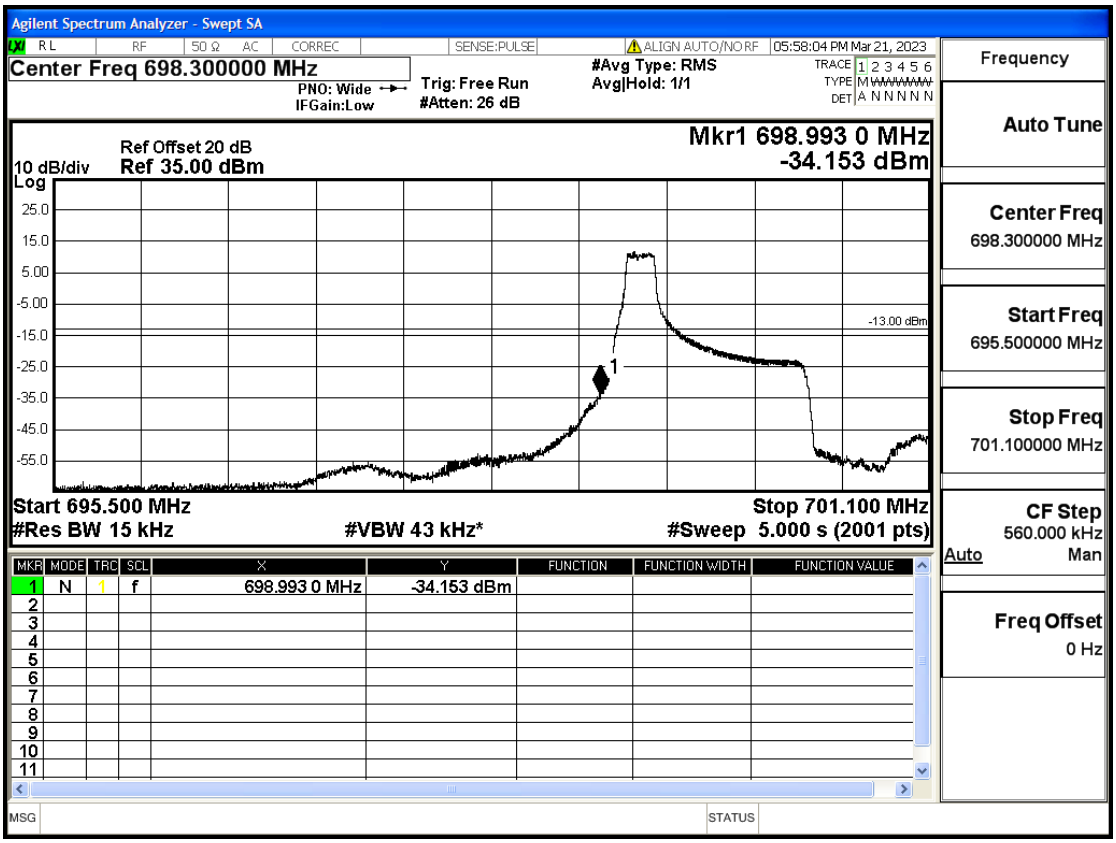
Band12-1.4-699.7-QPSK-1#LOW@Pass



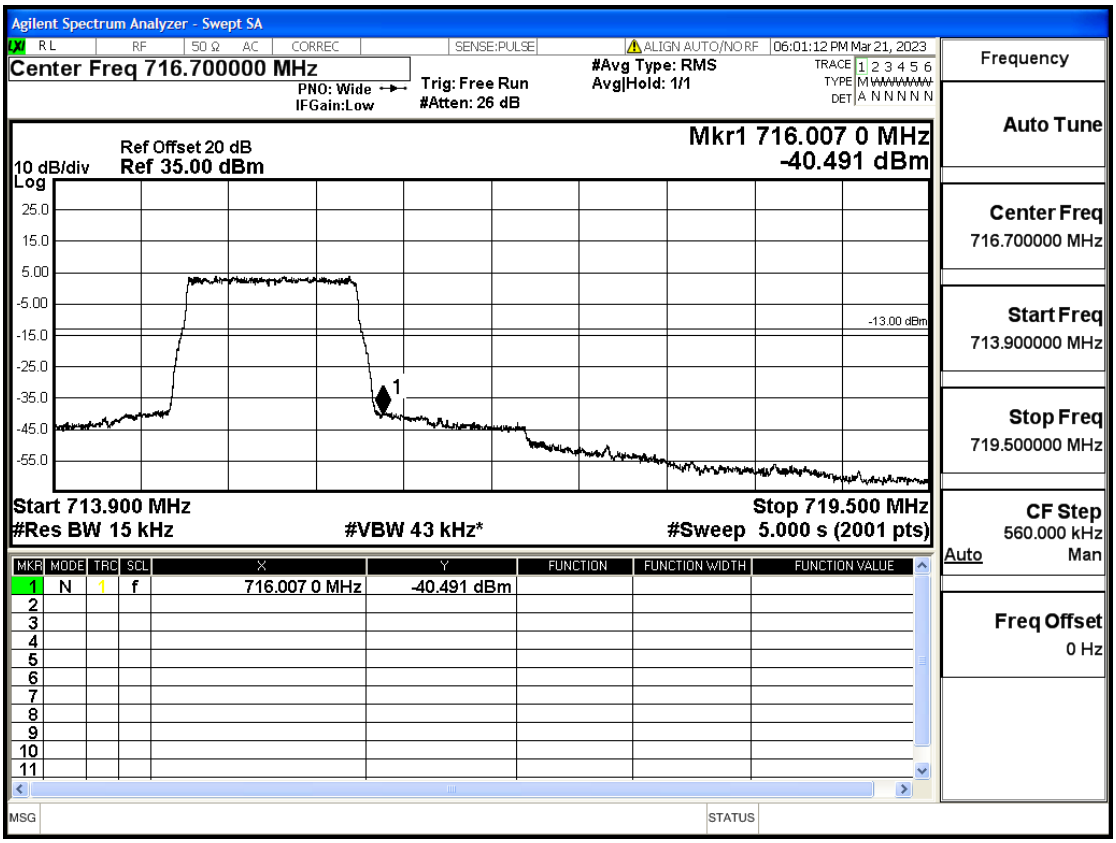
Band12-1.4-699.7-16QAM-6#LOW@Pass



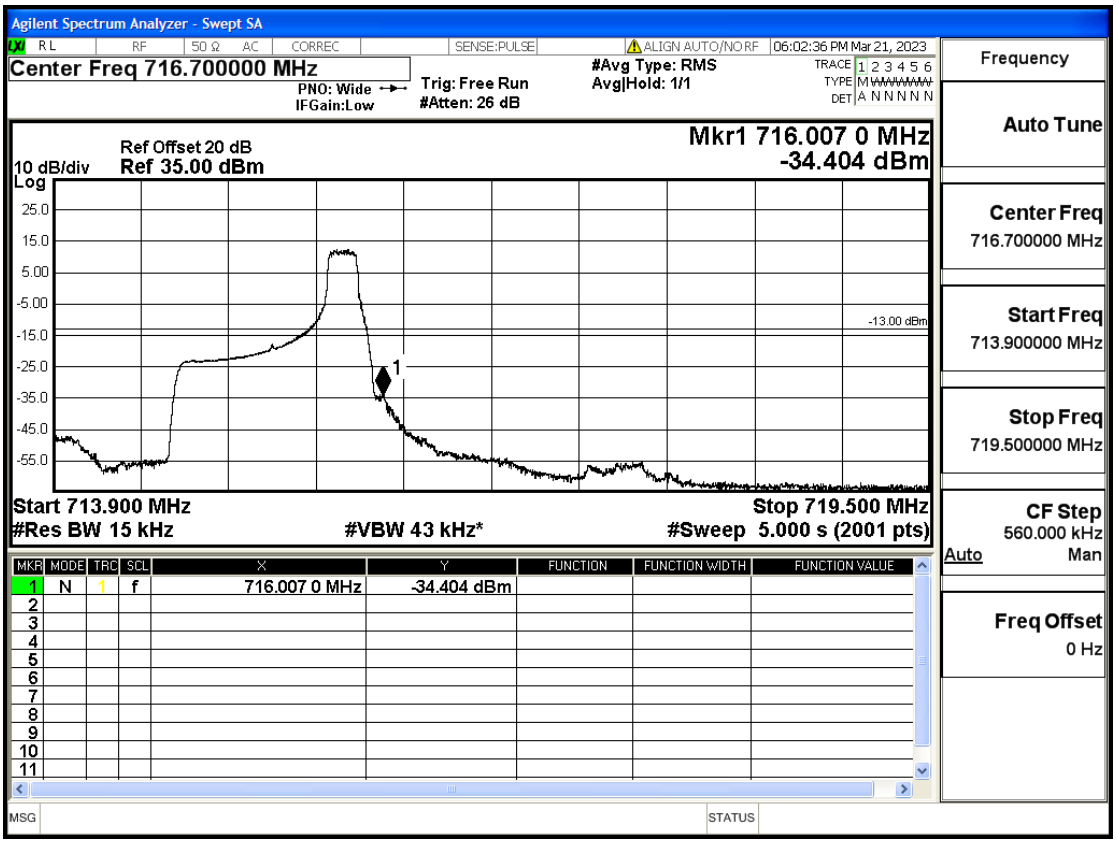
Band12-1.4-699.7-16QAM-1#LOW@Pass



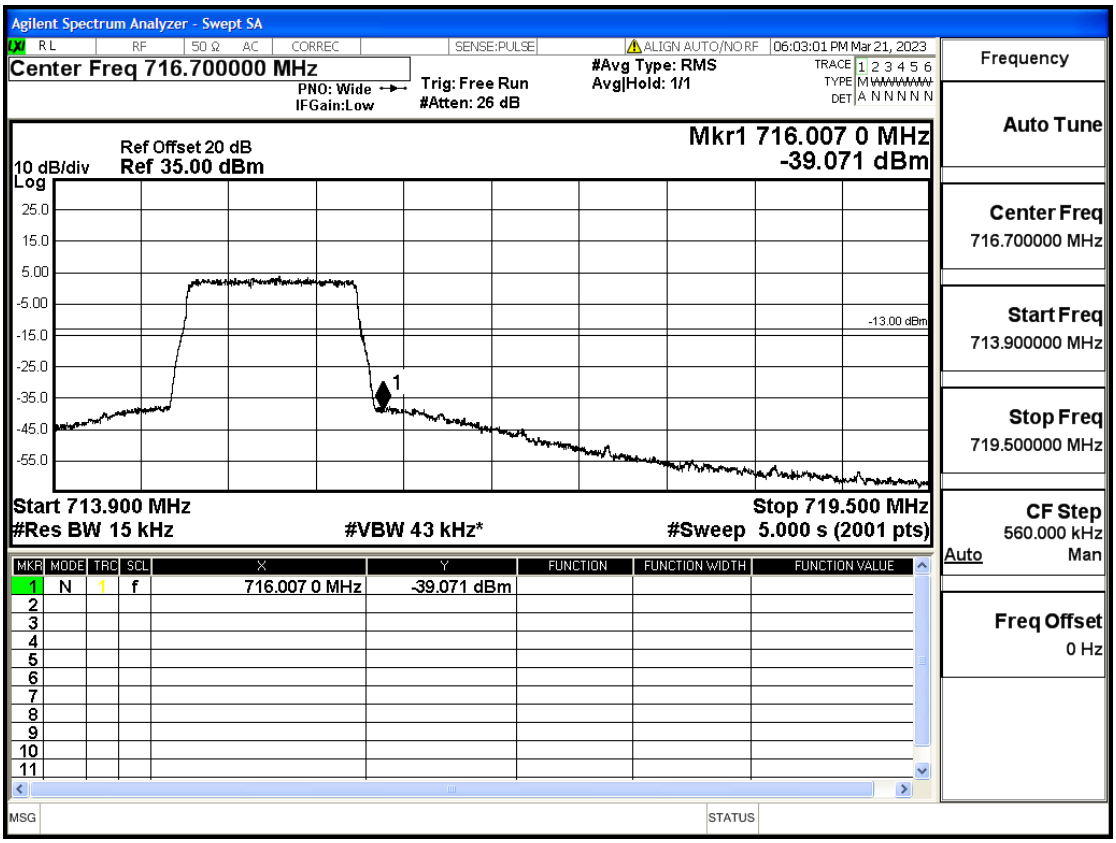
Band12-1.4-715.3-QPSK-6#LOW@Pass



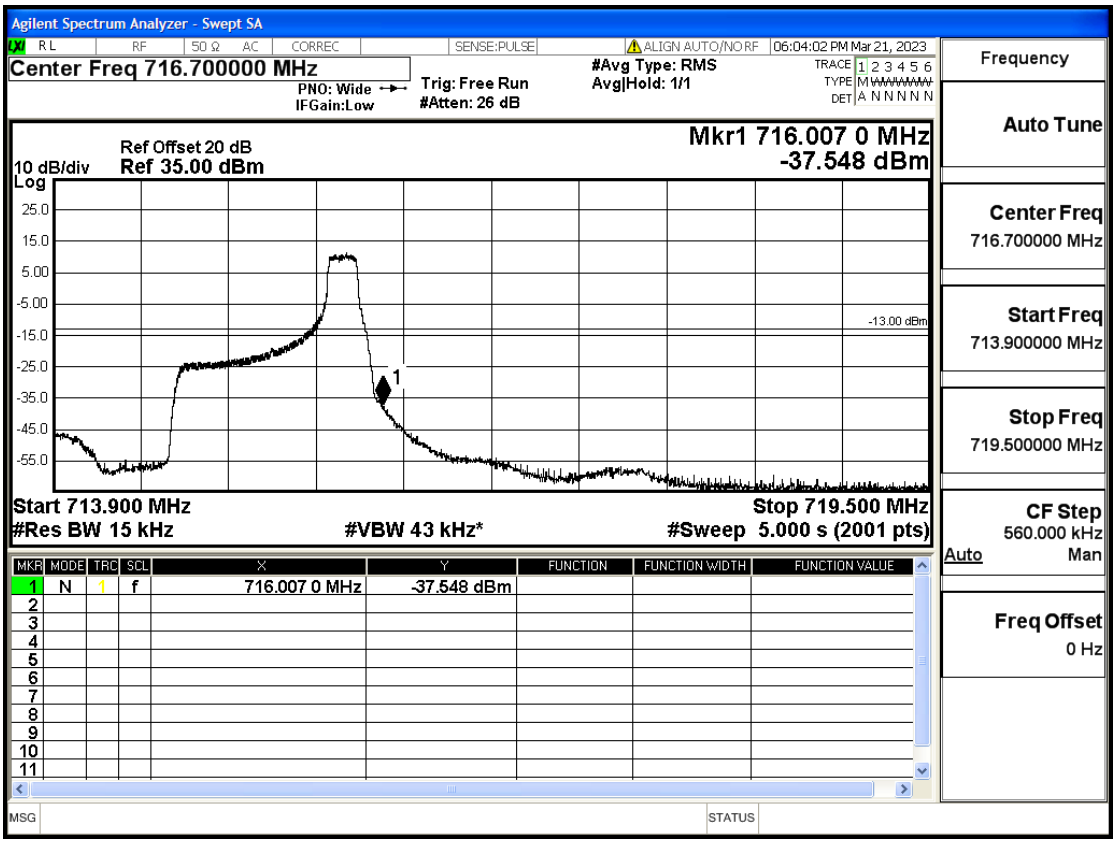
Band12-1.4-715.3-QPSK-1#HIGH@Pass



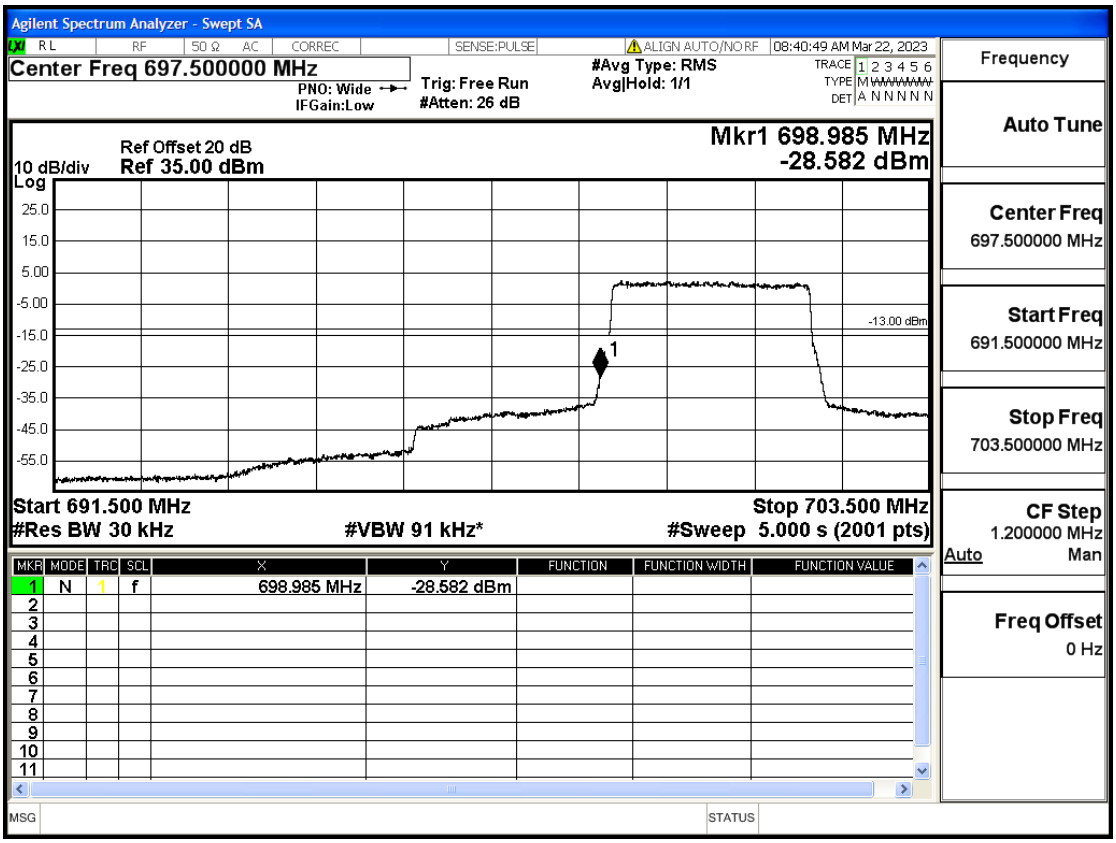
Band12-1.4-715.3-16QAM-6#LOW@Pass



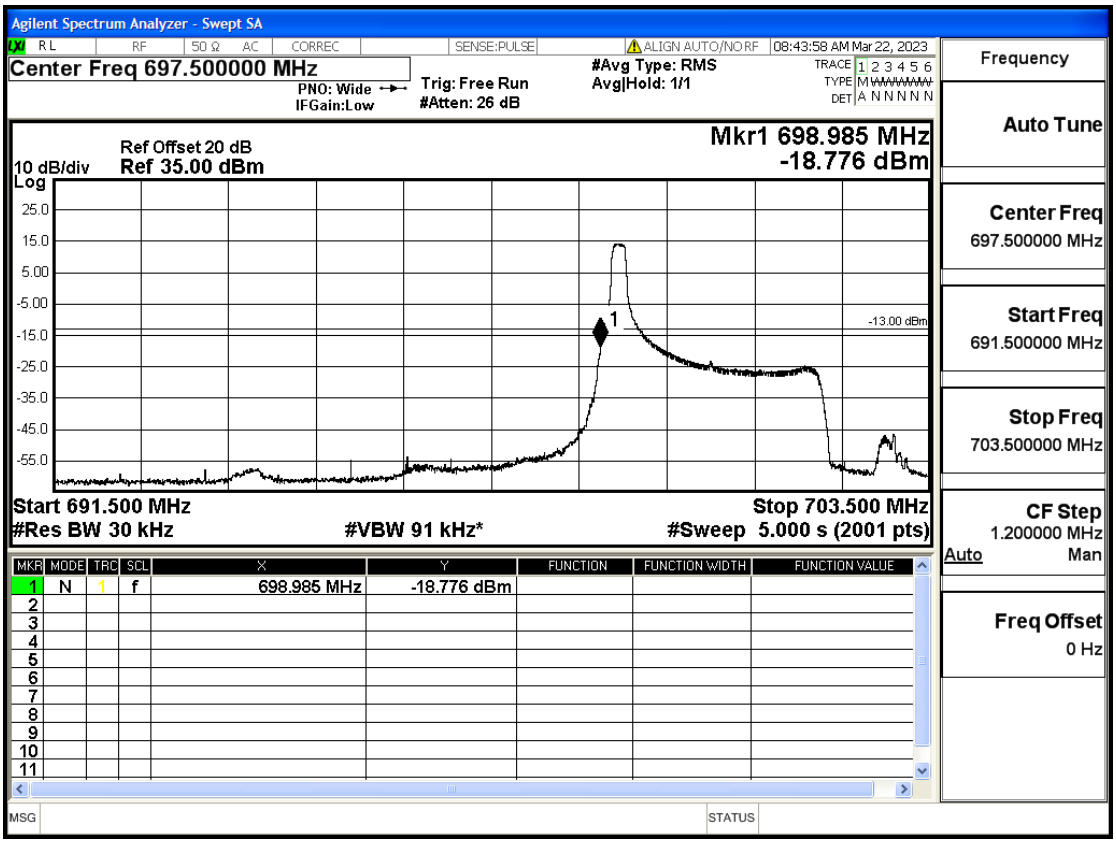
Band12-1.4-715.3-16QAM-1#HIGH@Pass



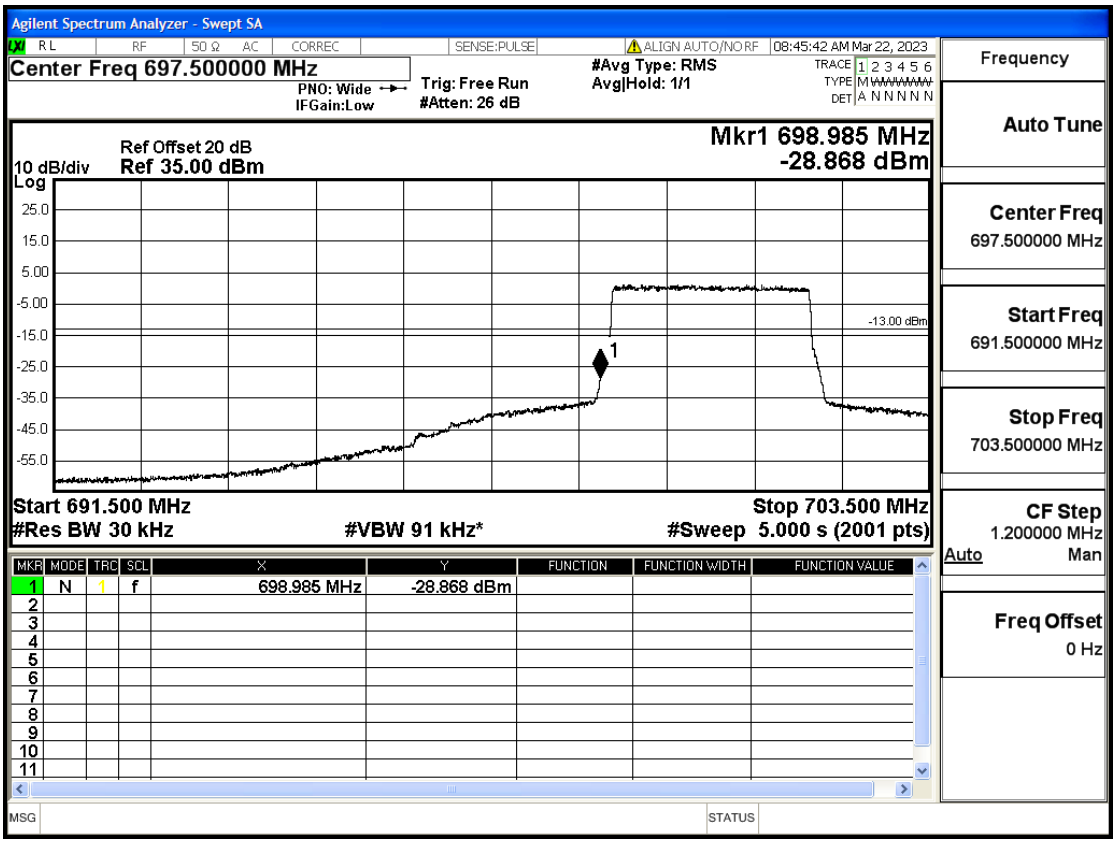
Band12-3-700.5-QPSK-15#LOW@Pass



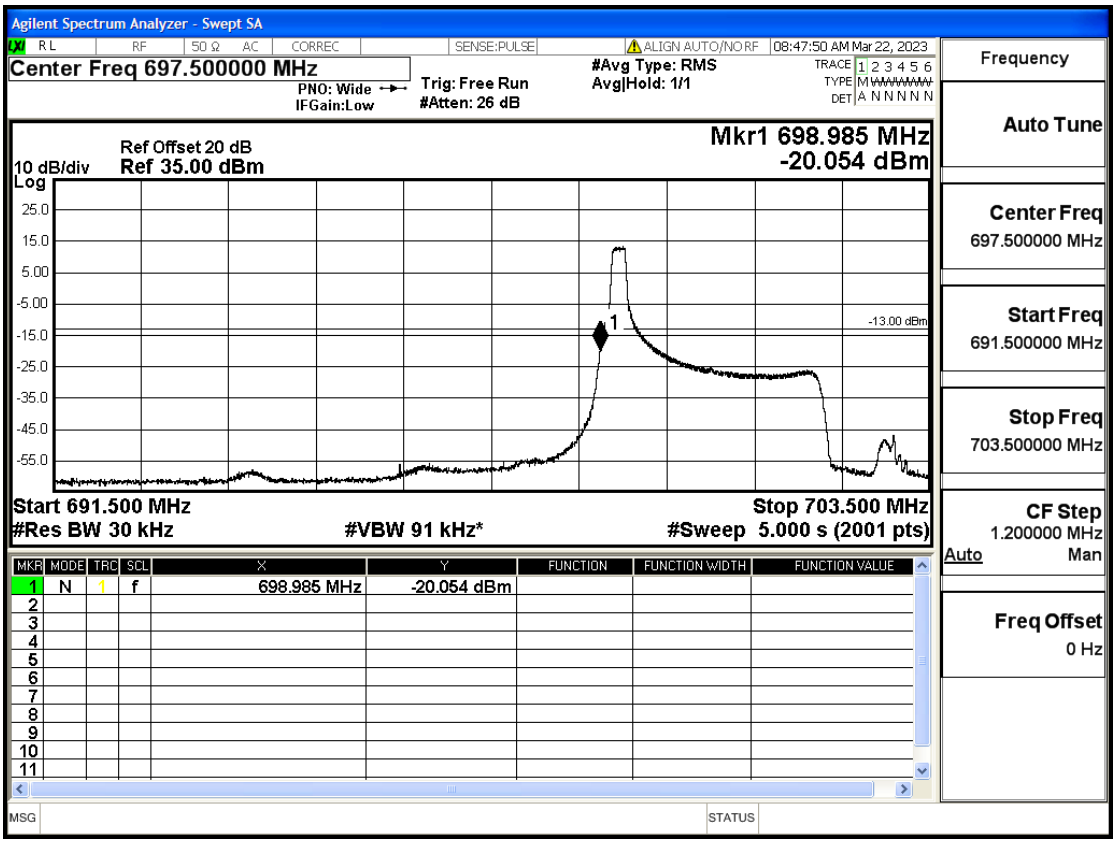
Band12-3-700.5-QPSK-1#LOW@Pass



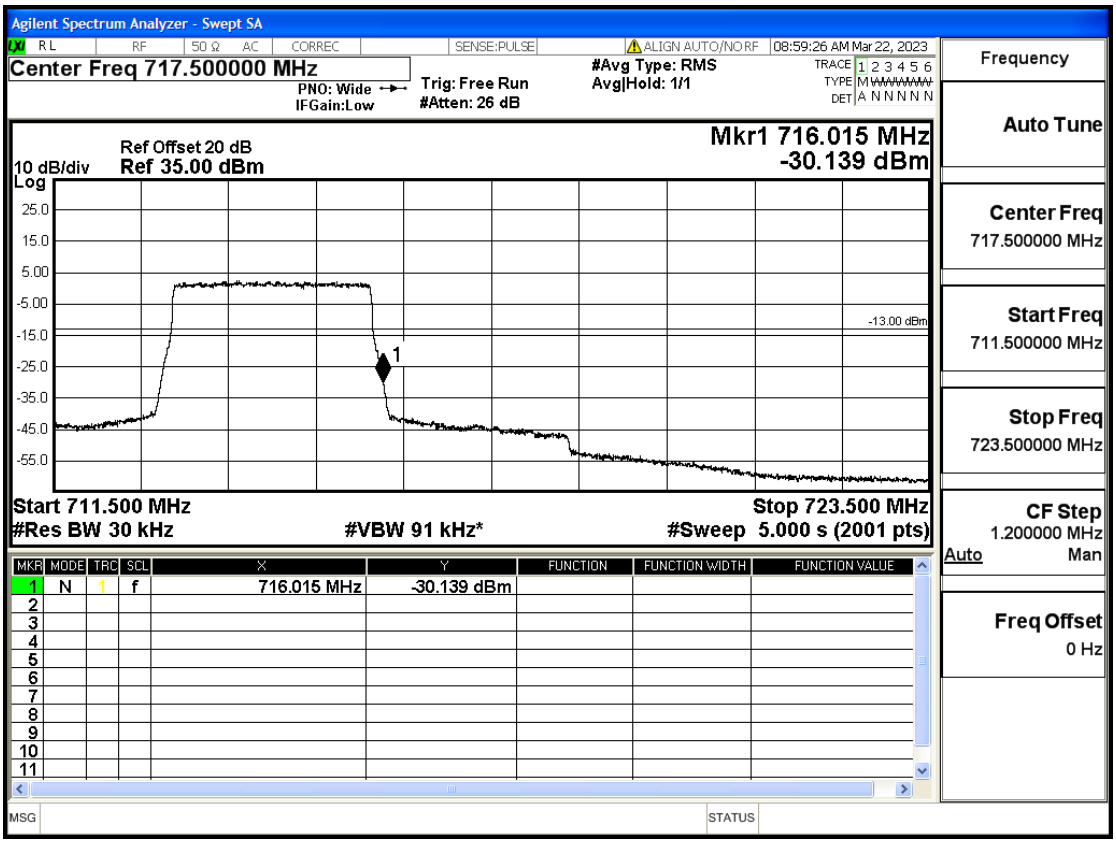
Band12-3-700.5-16QAM-15#LOW@Pass



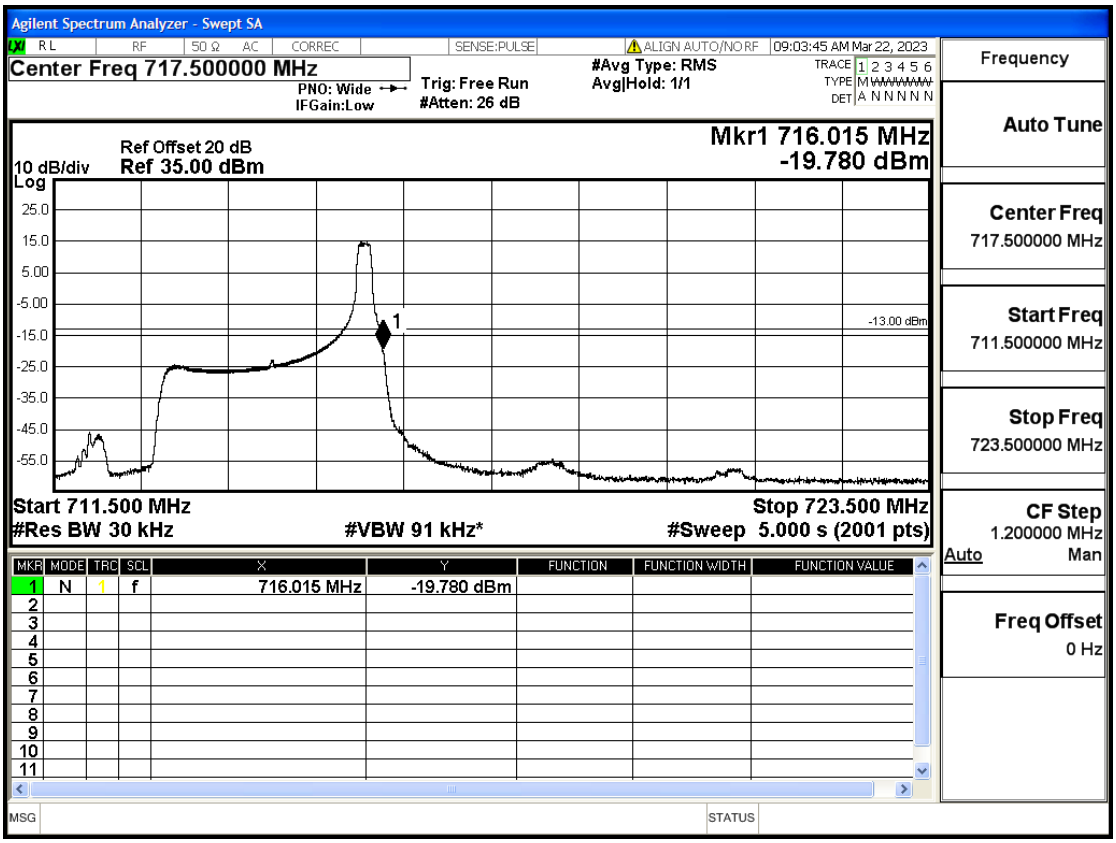
Band12-3-700.5-16QAM-1#LOW@Pass



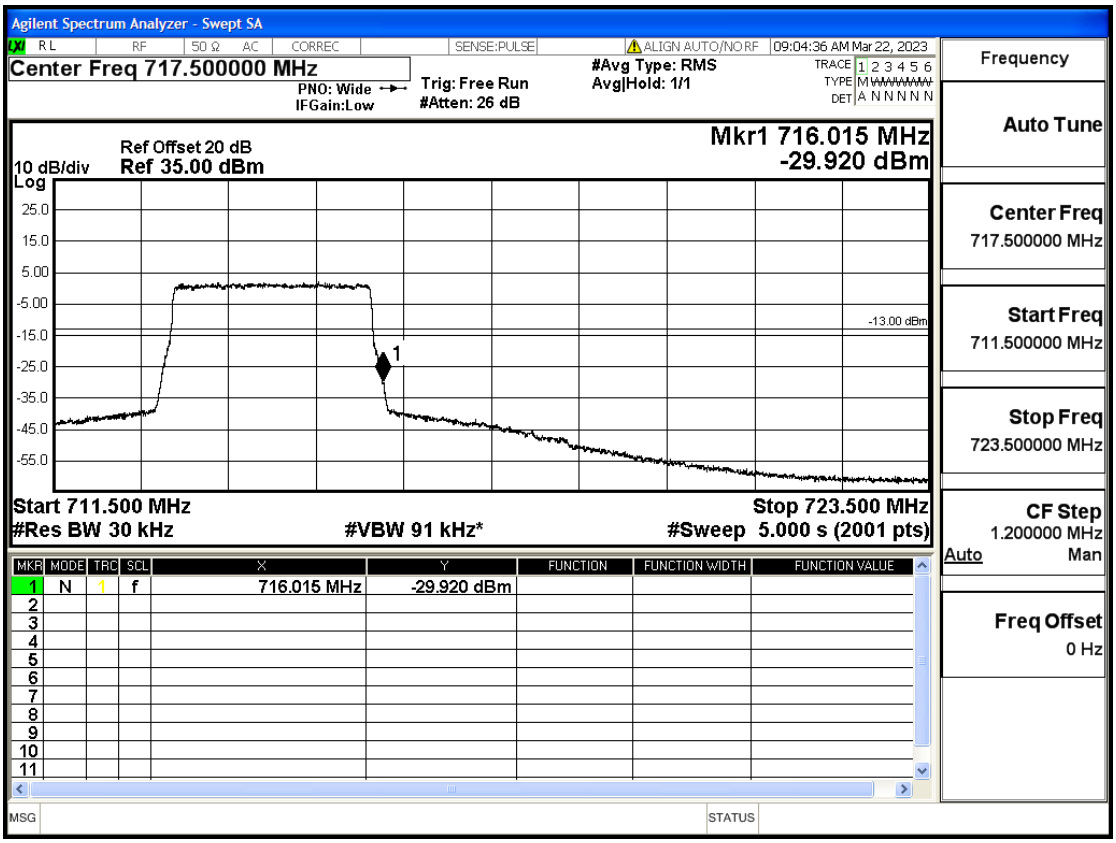
Band12-3-714.5-QPSK-15#LOW@Pass



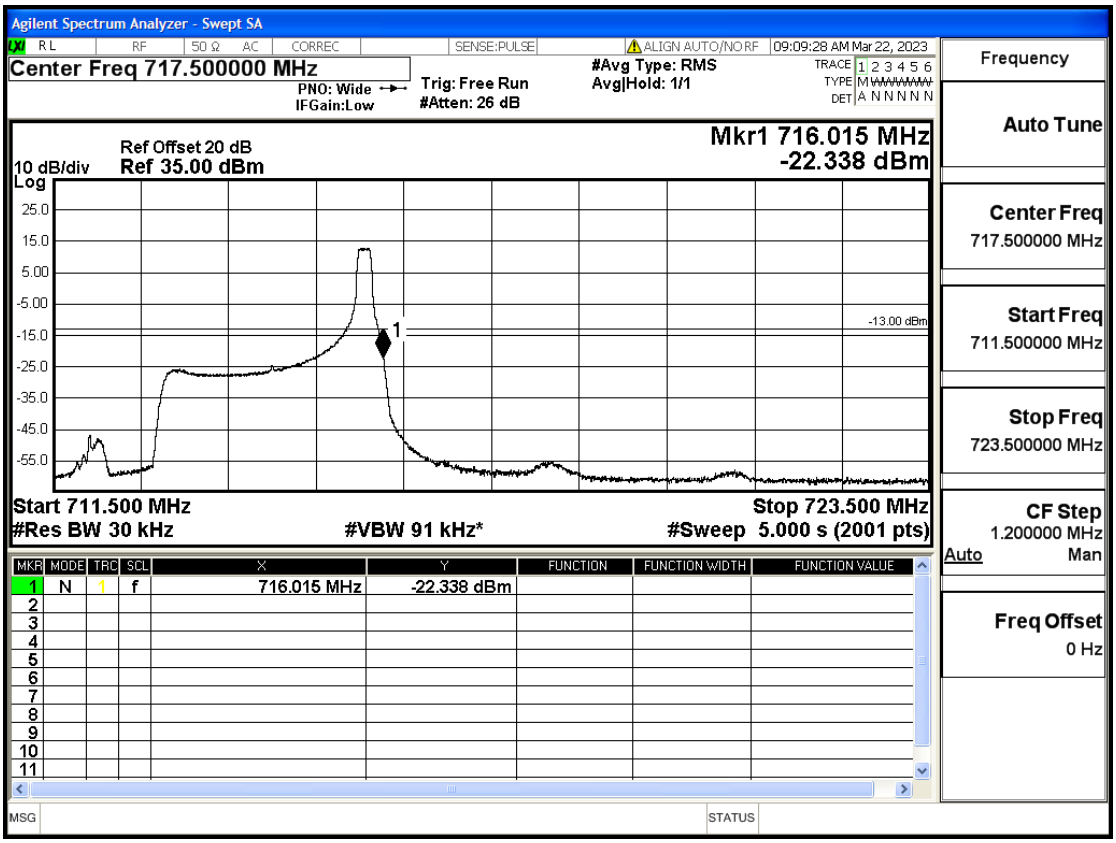
Band12-3-714.5-QPSK-1#HIGH@Pass



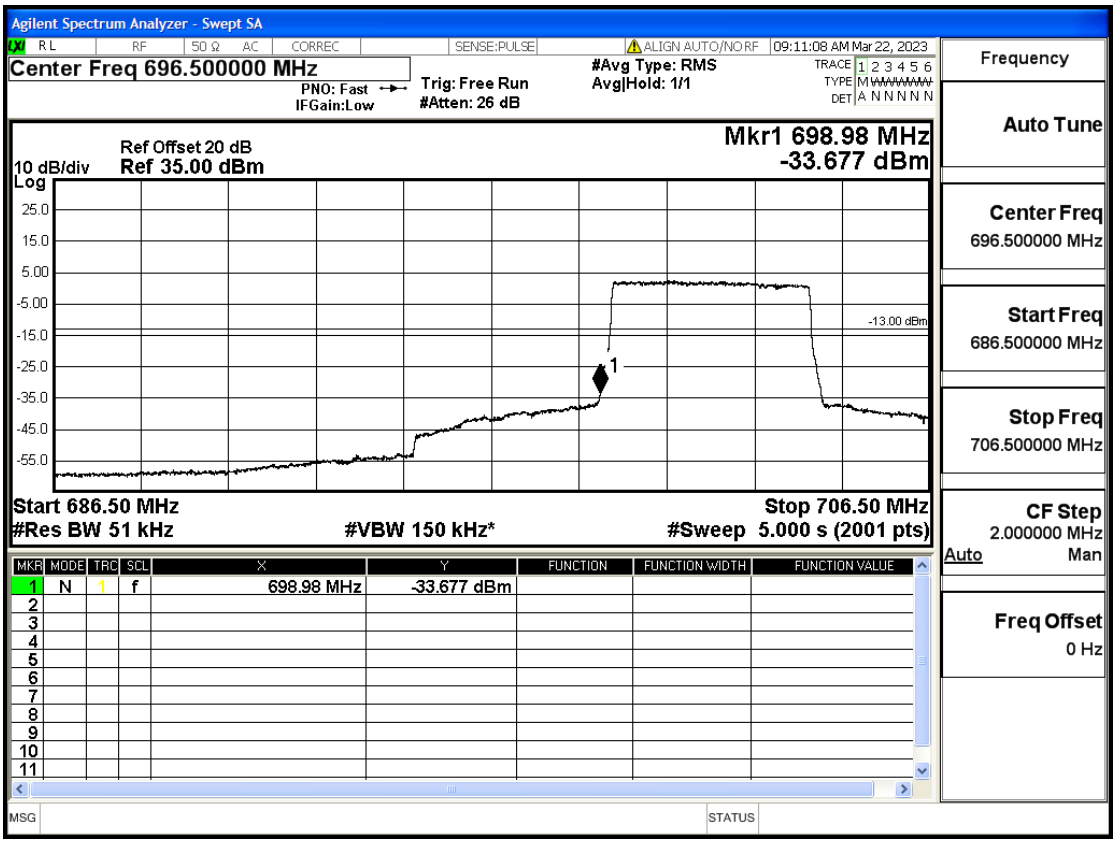
Band12-3-714.5-16QAM-15#LOW@Pass



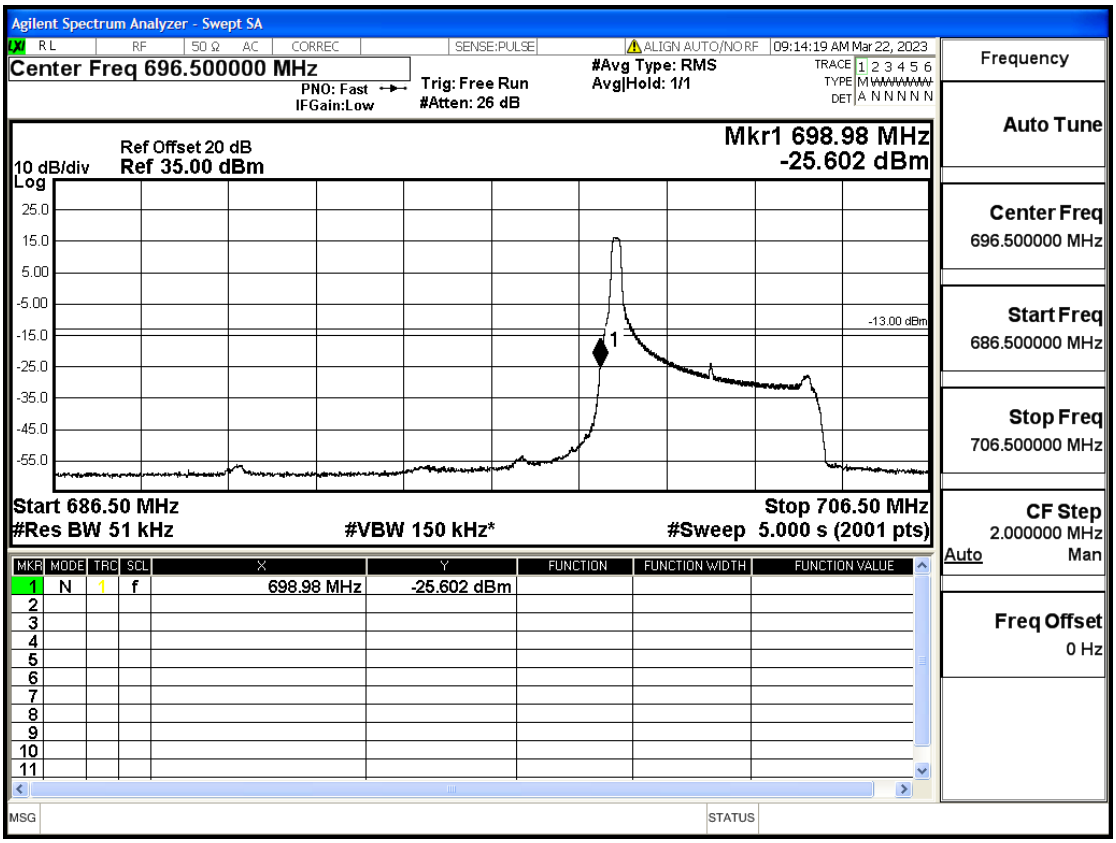
Band12-3-714.5-16QAM-1#HIGH@Pass



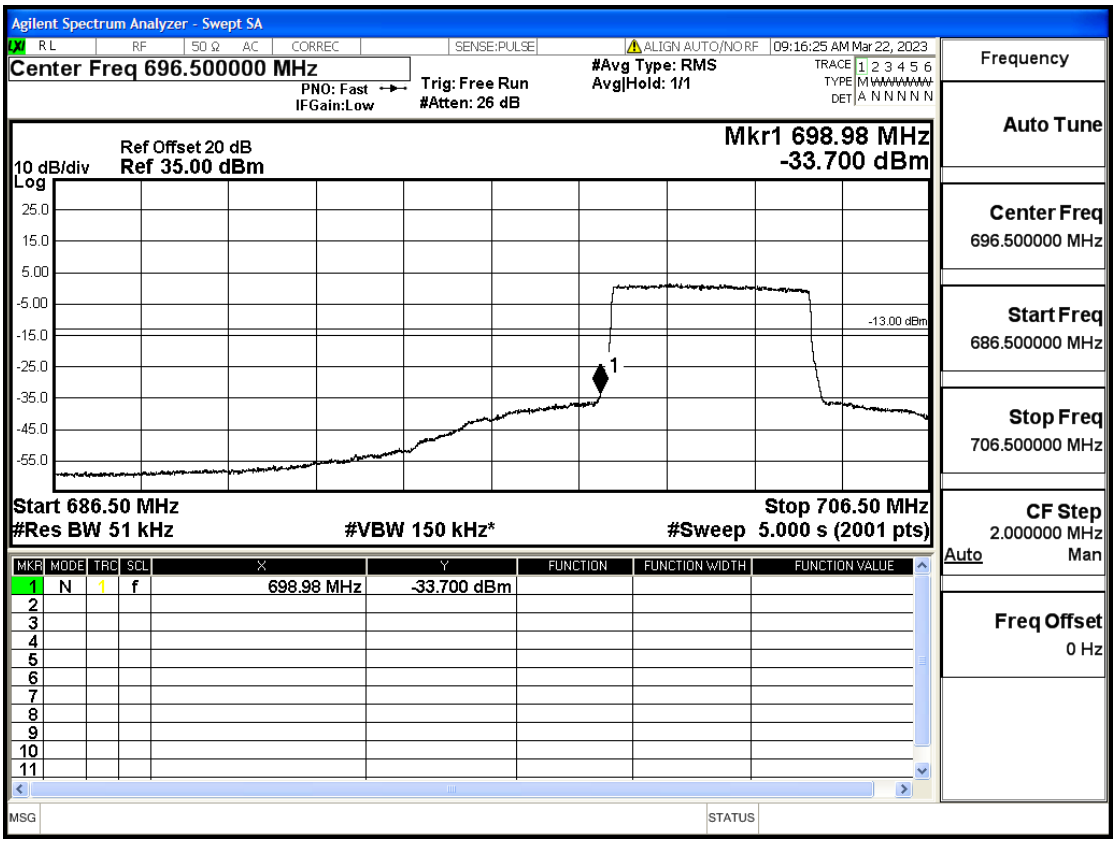
Band12-5-701.5-QPSK-25#LOW@Pass



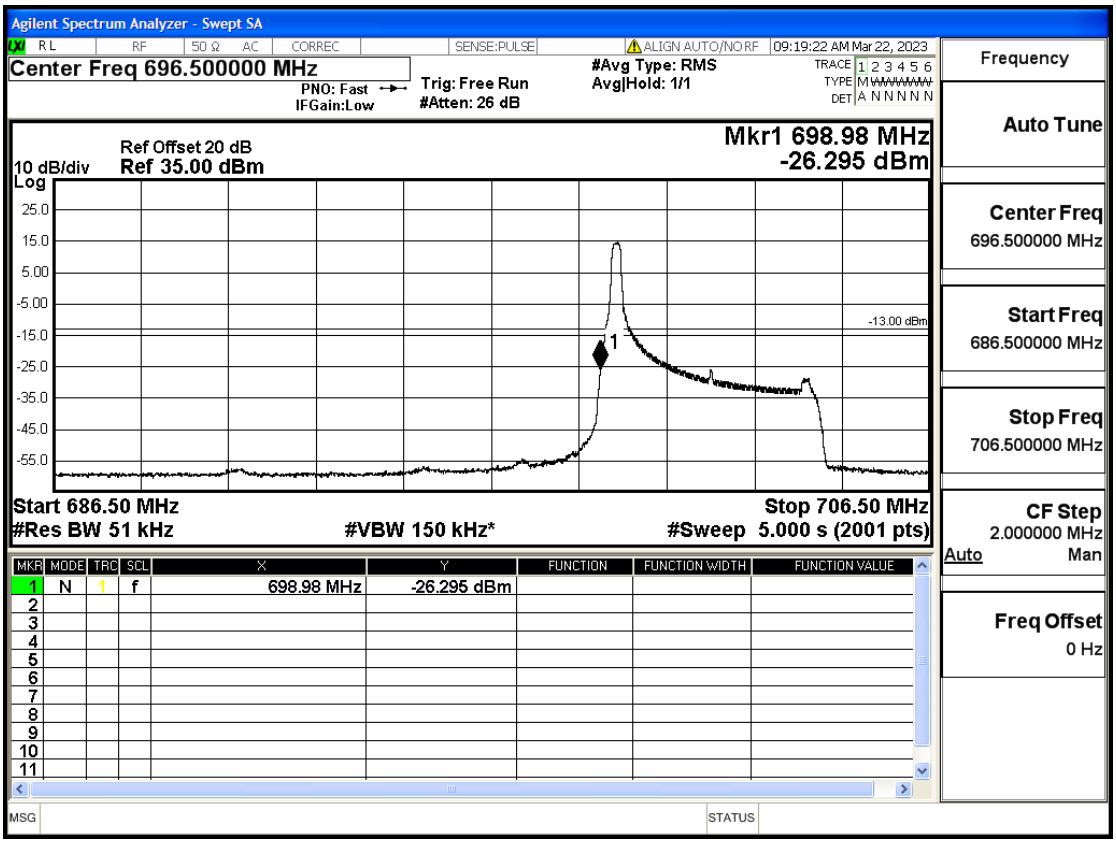
Band12-5-701.5-QPSK-1#LOW@Pass



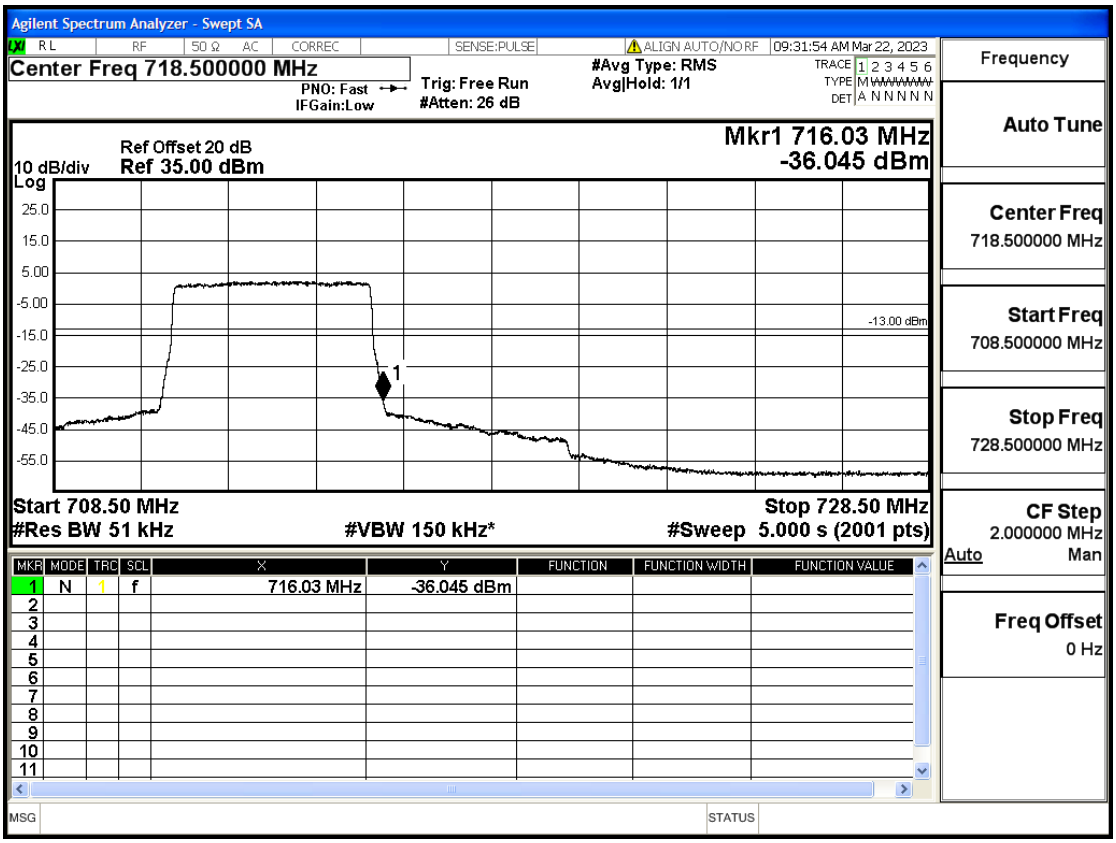
Band12-5-701.5-16QAM-25#LOW@Pass



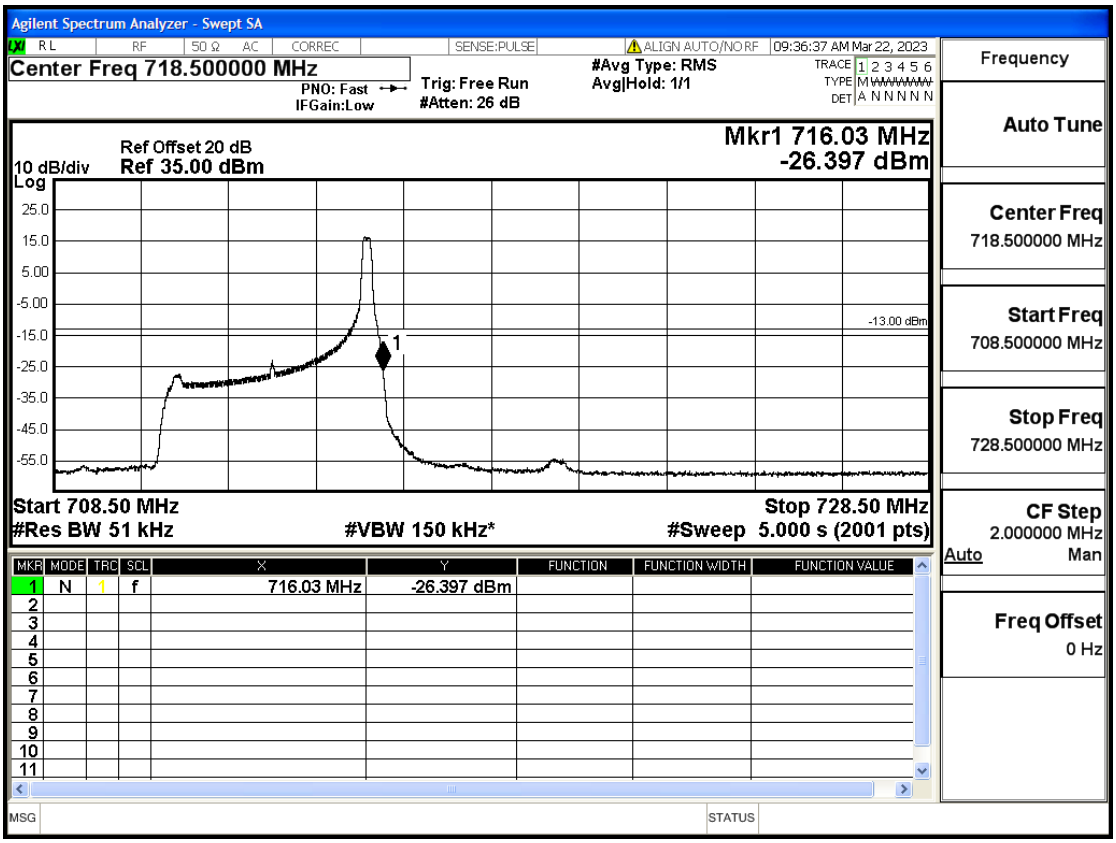
Band12-5-701.5-16QAM-1#LOW@Pass



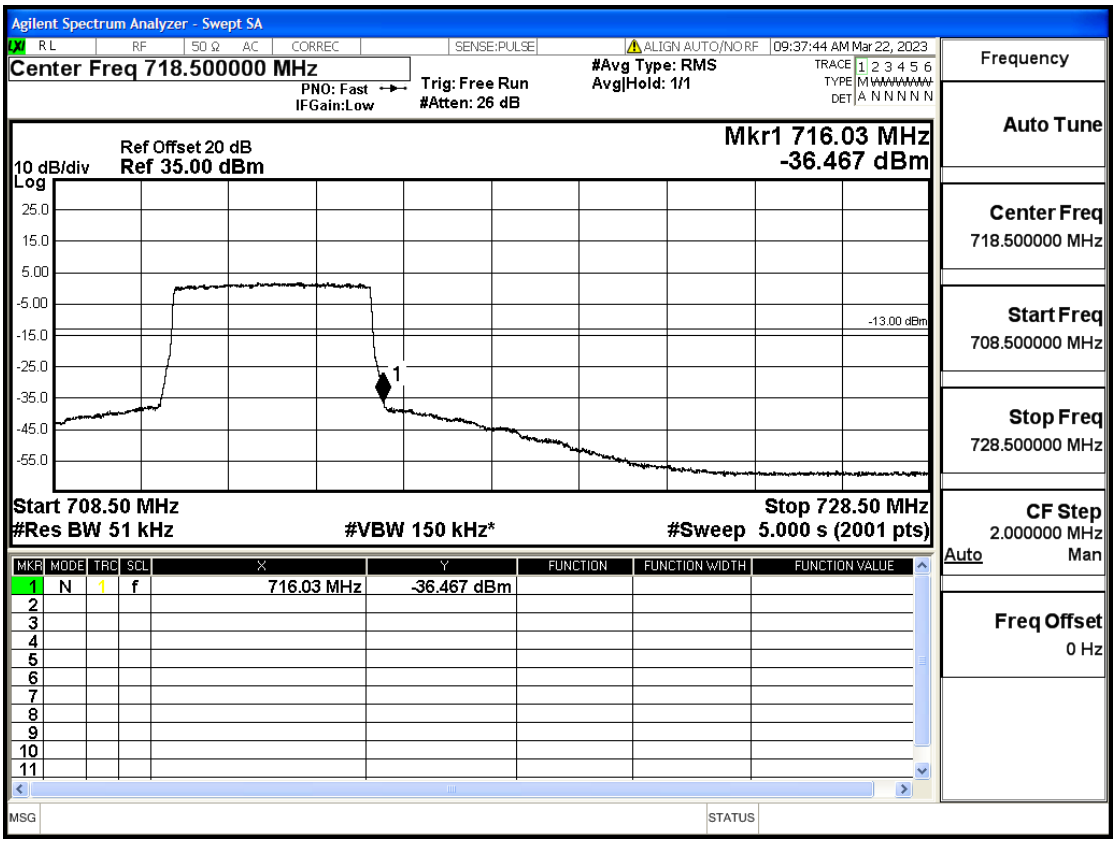
Band12-5-713.5-QPSK-25#LOW@Pass



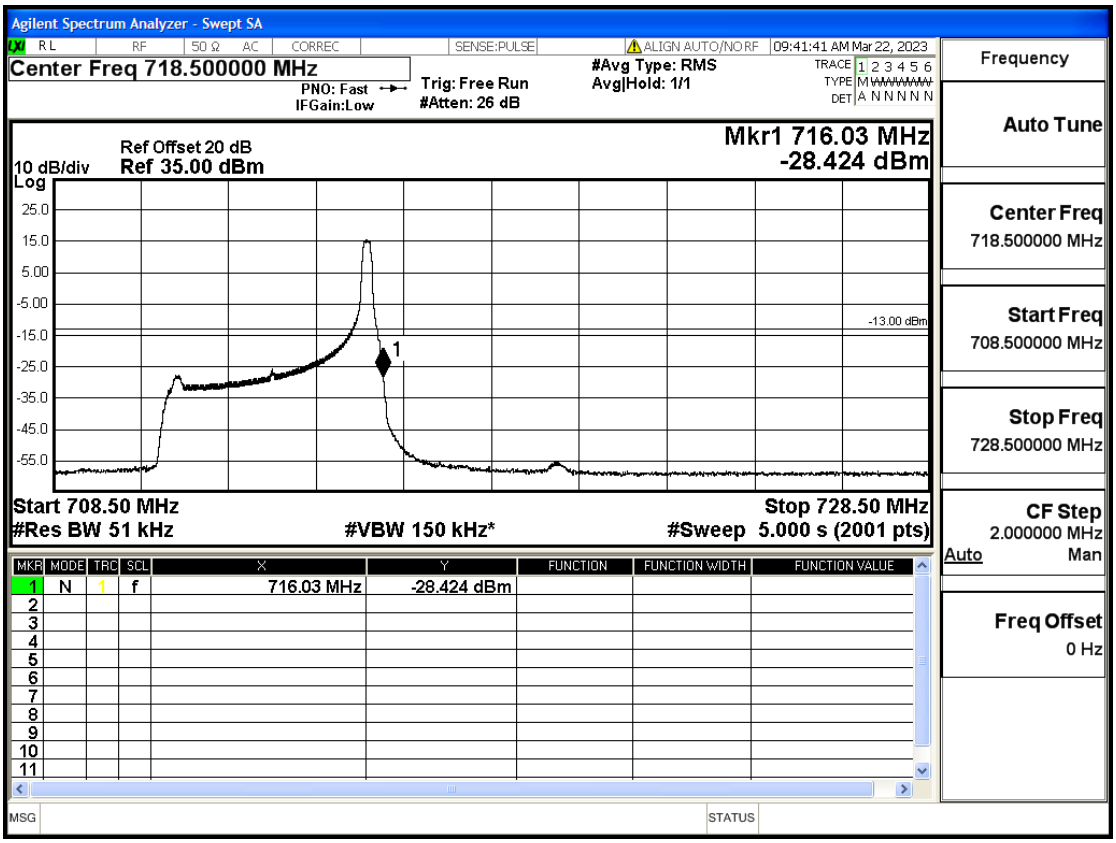
Band12-5-713.5-QPSK-1#HIGH@Pass



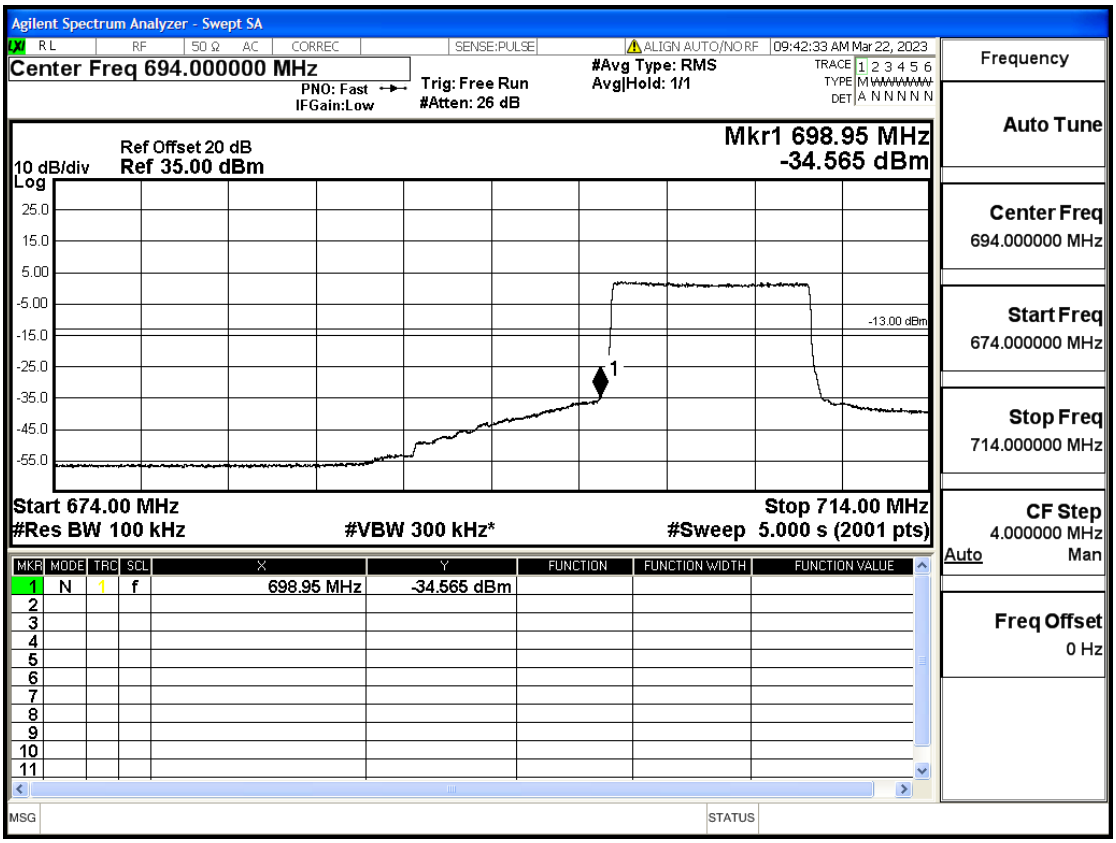
Band12-5-713.5-16QAM-25#LOW@Pass



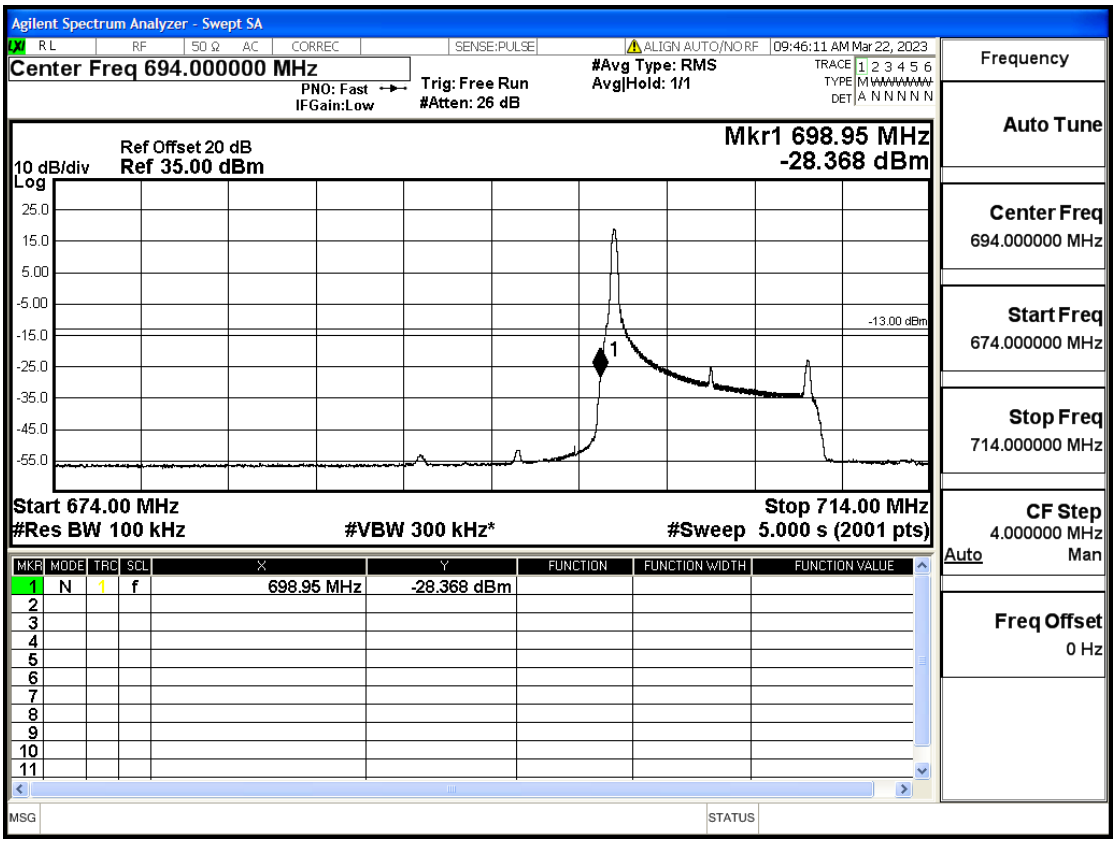
Band12-5-713.5-16QAM-1#HIGH@Pass



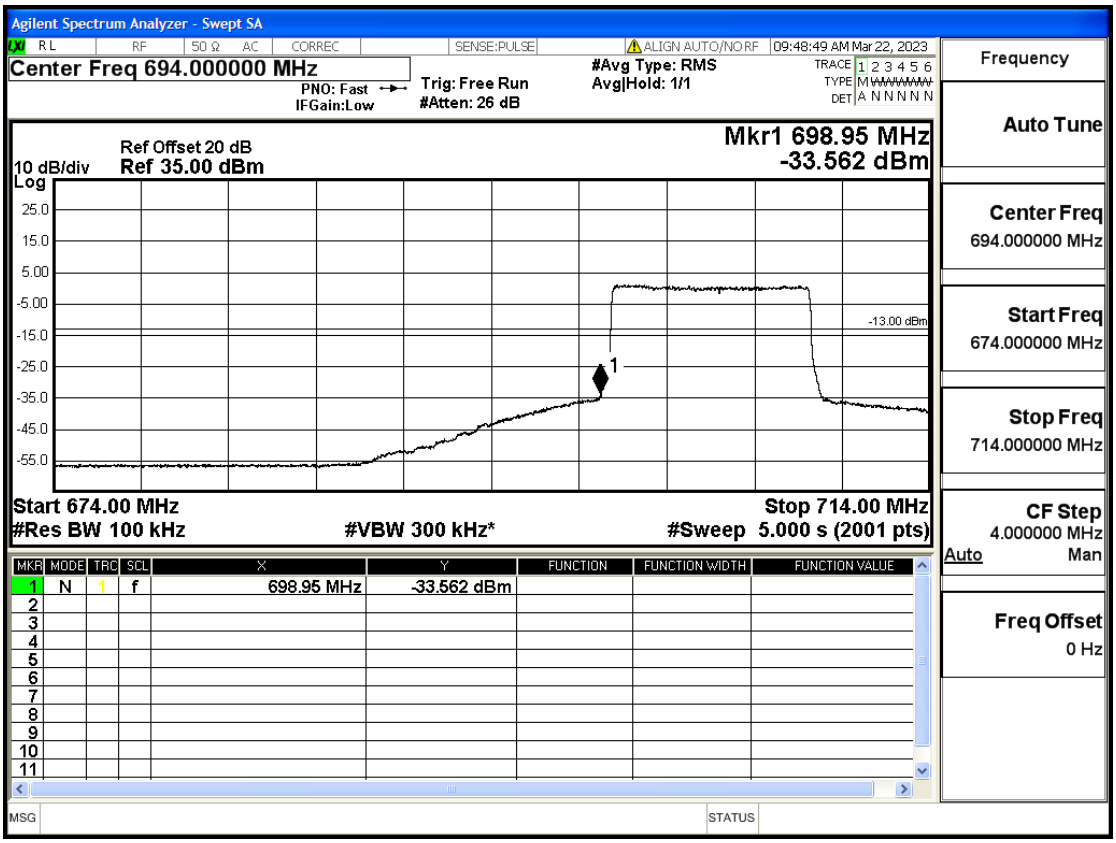
Band12-10-704-QPSK-50#LOW@Pass



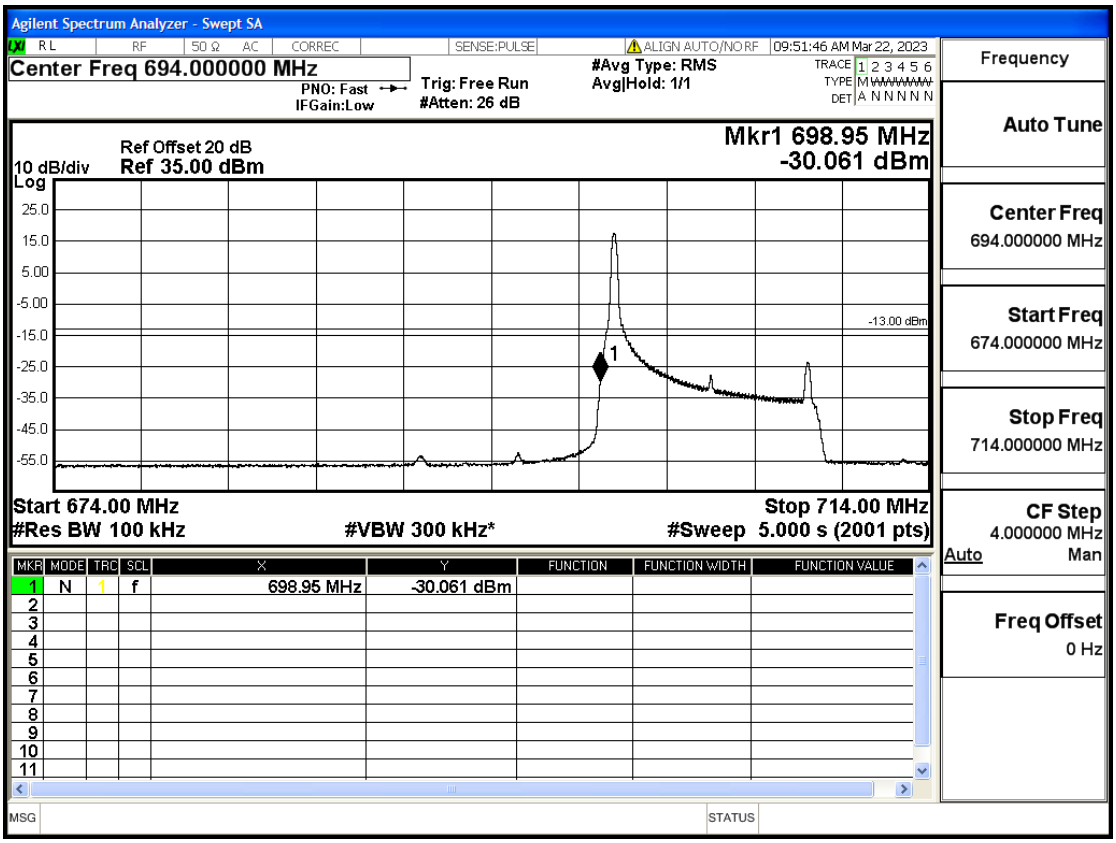
Band12-10-704-QPSK-1#LOW@Pass



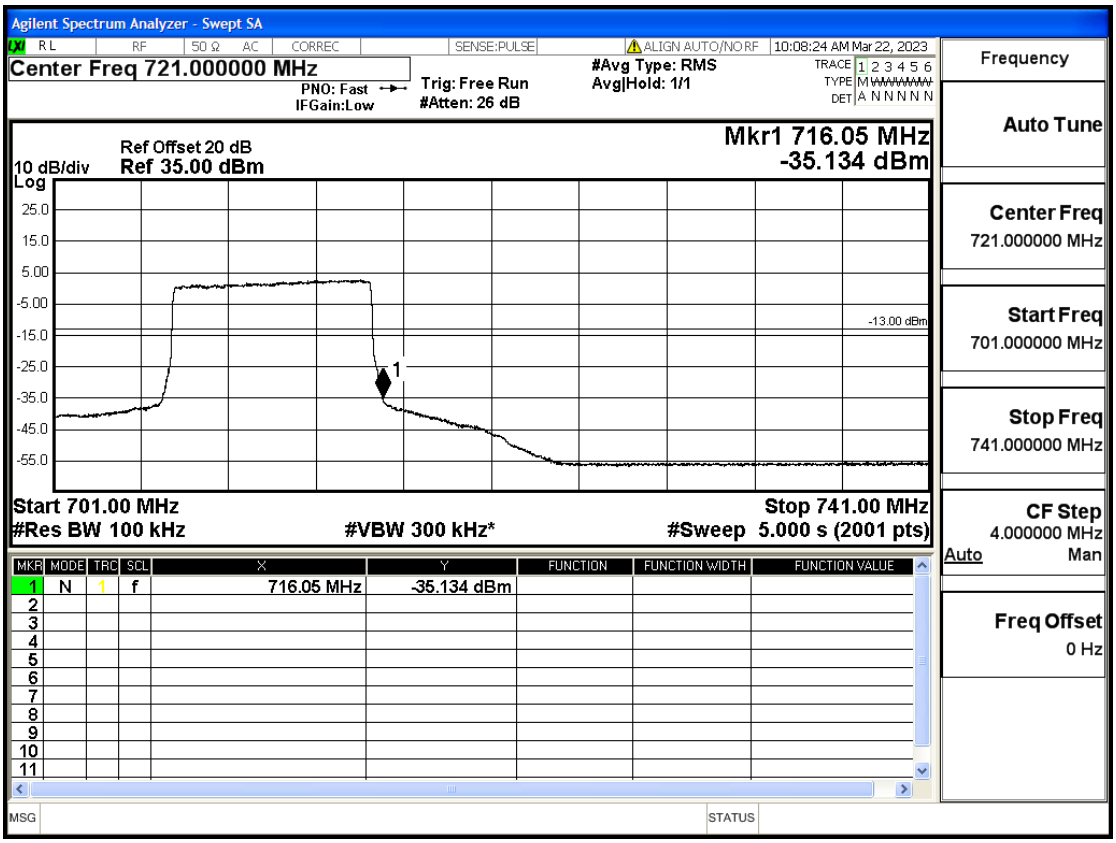
Band12-10-704-16QAM-50#LOW@Pass



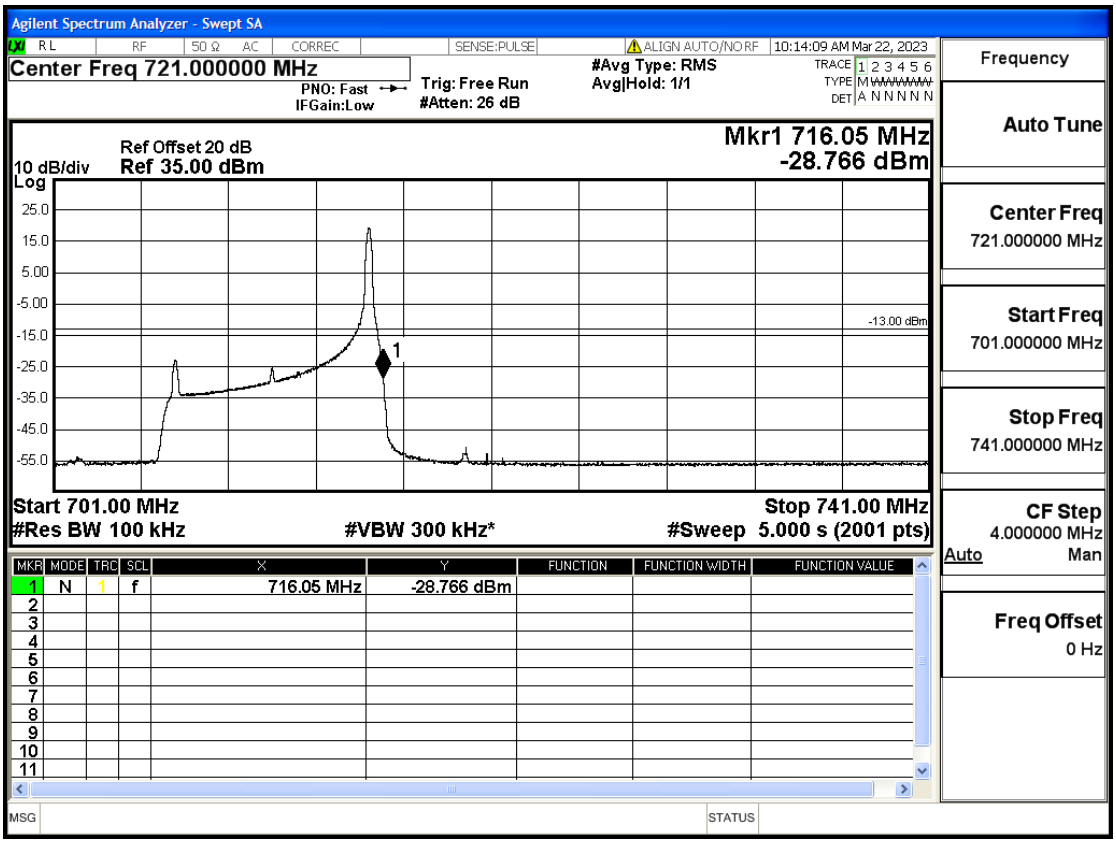
Band12-10-704-16QAM-1#LOW@Pass



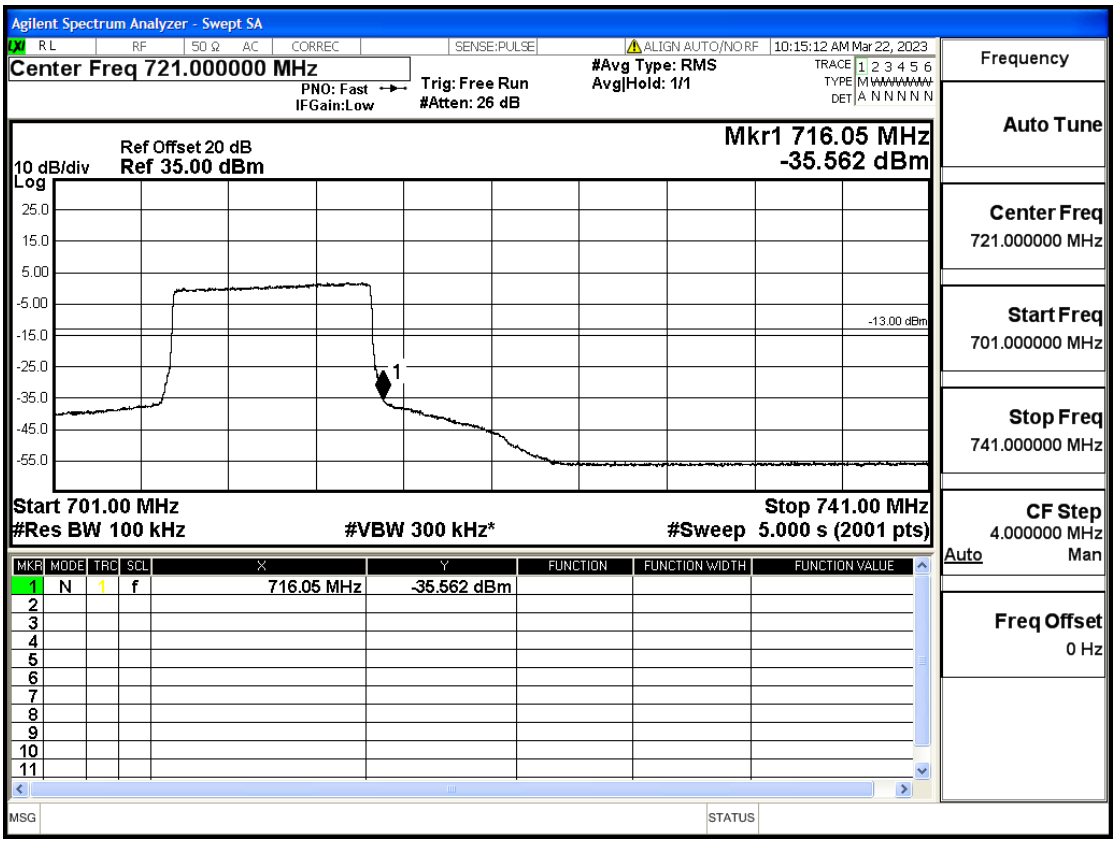
Band12-10-711-QPSK-50#LOW@Pass



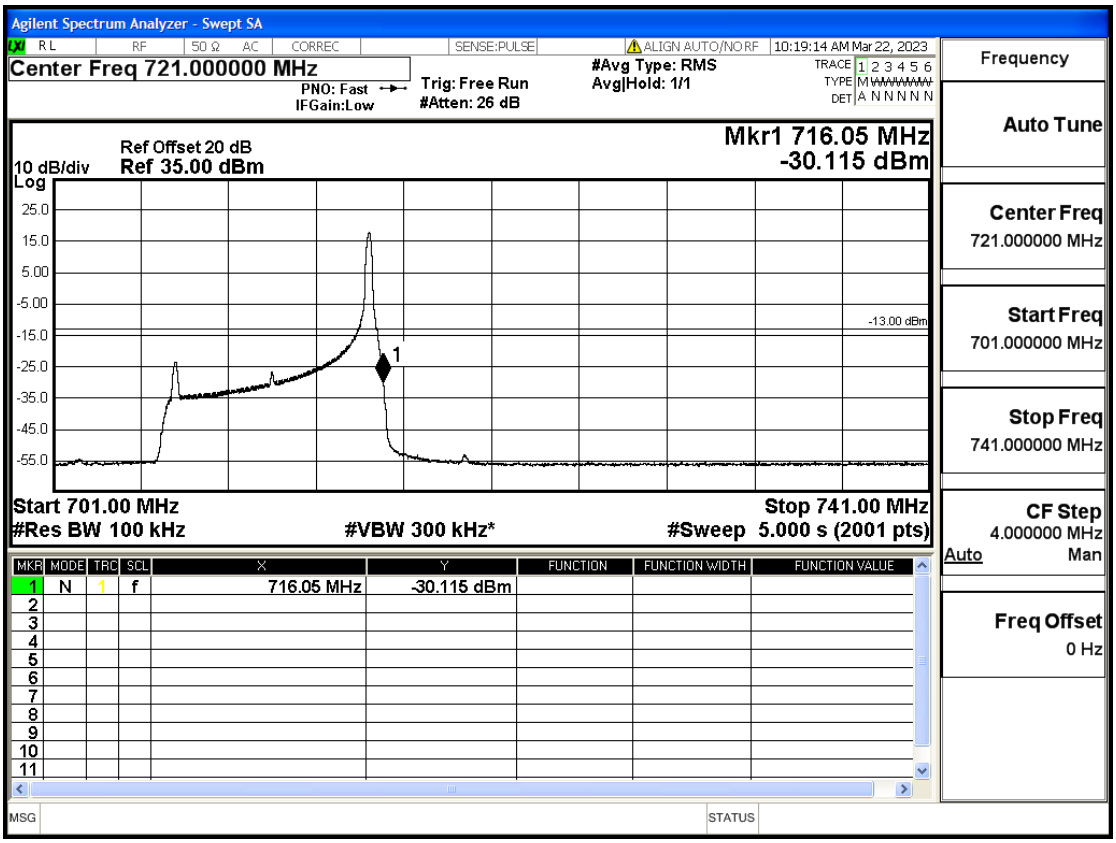
Band12-10-711-QPSK-1#HIGH@Pass



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



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

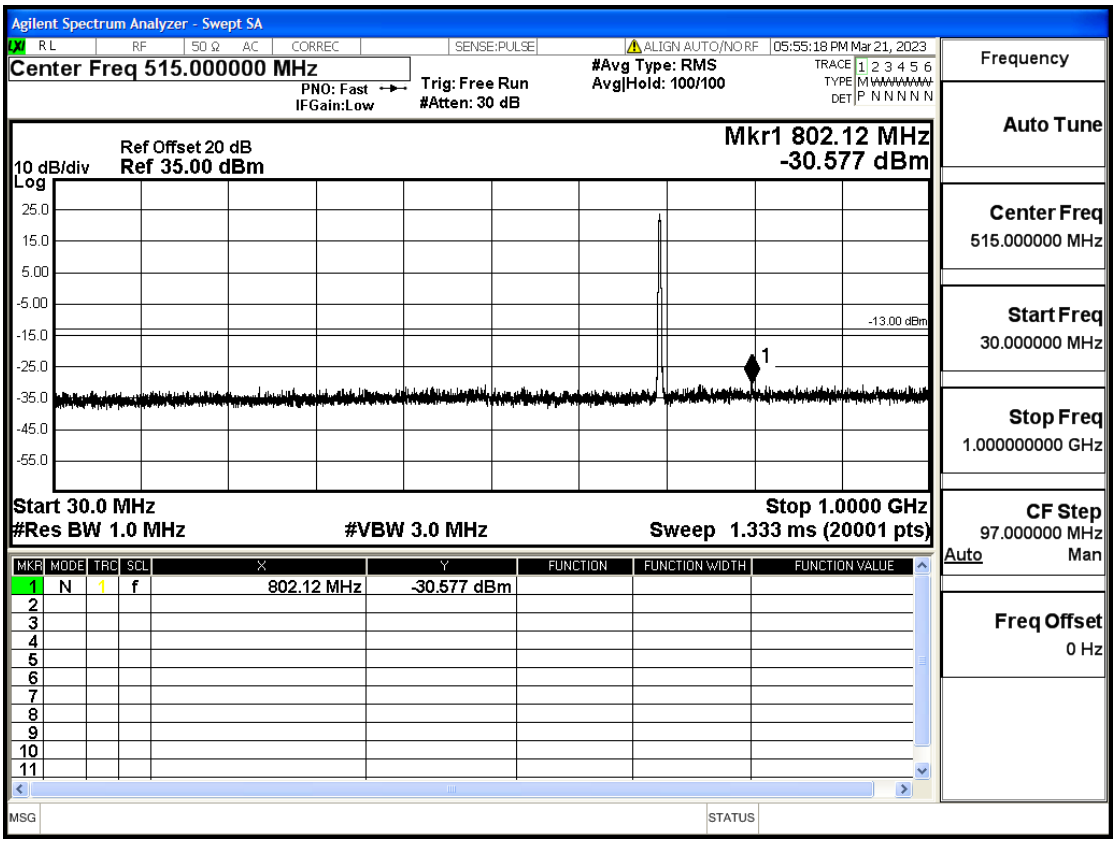


Conducted Spurious Emission

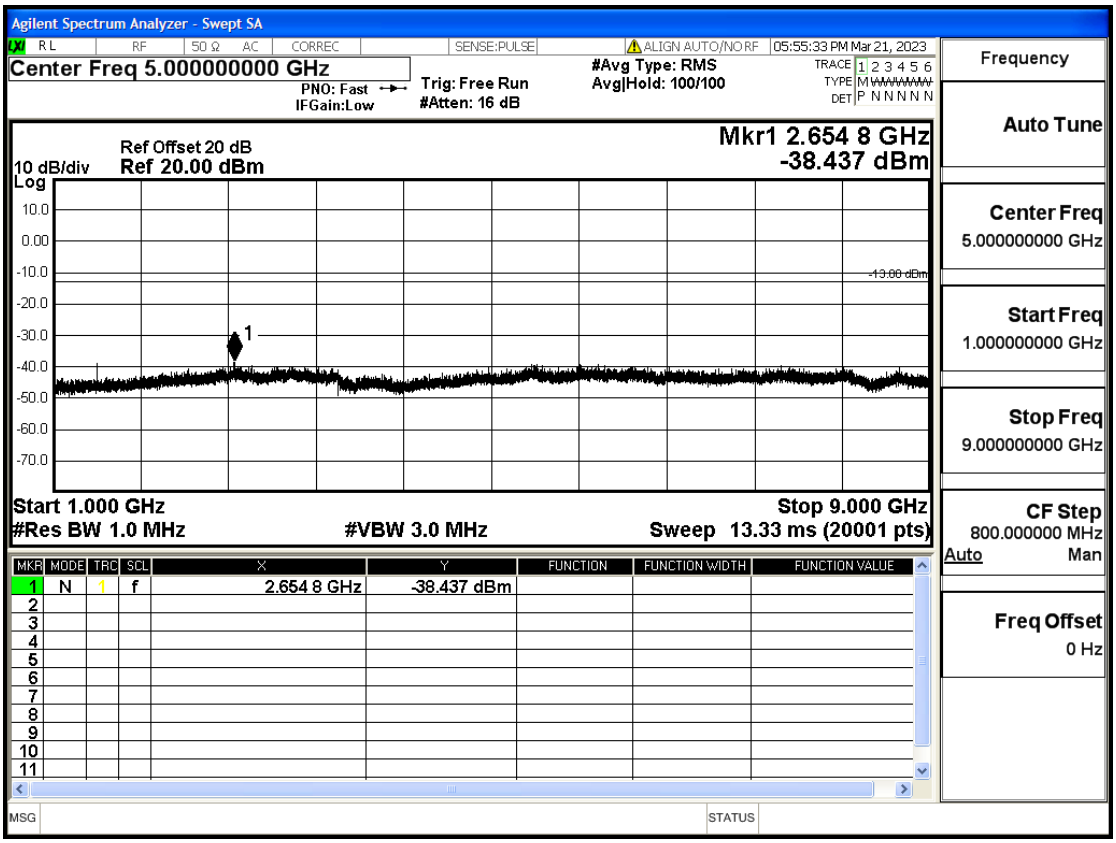
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Test Condition	Transmitter Spurious Emission(Pass/Fail)
OB12	1.4	699.7	QPSK	6	LOW	30mHz-1GHz	Pass
OB12	1.4	699.7	QPSK	6	LOW	1GHz-9GHz	Pass
OB12	1.4	707.5	QPSK	6	LOW	30mHz-1GHz	Pass
OB12	1.4	707.5	QPSK	6	LOW	1GHz-9GHz	Pass
OB12	1.4	715.3	QPSK	6	LOW	30mHz-1GHz	Pass
OB12	1.4	715.3	QPSK	6	LOW	1GHz-9GHz	Pass
OB12	3	700.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB12	3	700.5	QPSK	15	LOW	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	714.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB12	3	714.5	QPSK	15	LOW	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	707.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB12	5	707.5	QPSK	25	LOW	1GHz-9GHz	Pass
OB12	5	713.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB12	5	713.5	QPSK	25	LOW	1GHz-9GHz	Pass
OB12	10	704	QPSK	50	LOW	30mHz-1GHz	Pass
OB12	10	704	QPSK	50	LOW	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	711	QPSK	50	LOW	30mHz-1GHz	Pass
OB12	10	711	QPSK	50	LOW	1GHz-9GHz	Pass
OB12	1.4	699.7	Q16	6	LOW	30mHz-1GHz	Pass
OB12	1.4	699.7	Q16	6	LOW	1GHz-9GHz	Pass
OB12	1.4	707.5	Q16	6	LOW	30mHz-1GHz	Pass
OB12	1.4	707.5	Q16	6	LOW	1GHz-9GHz	Pass
OB12	1.4	715.3	Q16	6	LOW	30mHz-1GHz	Pass
OB12	1.4	715.3	Q16	6	LOW	1GHz-9GHz	Pass
OB12	3	700.5	Q16	15	LOW	30mHz-1GHz	Pass
OB12	3	700.5	Q16	15	LOW	1GHz-9GHz	Pass
OB12	3	707.5	Q16	15	LOW	30mHz-1GHz	Pass
OB12	3	707.5	Q16	15	LOW	1GHz-9GHz	Pass
OB12	3	714.5	Q16	15	LOW	30mHz-1GHz	Pass
OB12	3	714.5	Q16	15	LOW	1GHz-9GHz	Pass
OB12	5	701.5	Q16	25	LOW	30mHz-1GHz	Pass
OB12	5	701.5	Q16	25	LOW	1GHz-9GHz	Pass
OB12	5	707.5	Q16	25	LOW	30mHz-1GHz	Pass
OB12	5	707.5	Q16	25	LOW	1GHz-9GHz	Pass

OB12	5	713.5	Q16	25	LOW	30mHz-1GHz	Pass
OB12	5	713.5	Q16	25	LOW	1GHz-9GHz	Pass
OB12	10	704	Q16	50	LOW	30mHz-1GHz	Pass
OB12	10	704	Q16	50	LOW	1GHz-9GHz	Pass
OB12	10	707.5	Q16	50	LOW	30mHz-1GHz	Pass
OB12	10	707.5	Q16	50	LOW	1GHz-9GHz	Pass
OB12	10	711	Q16	50	LOW	30mHz-1GHz	Pass
OB12	10	711	Q16	50	LOW	1GHz-9GHz	Pass

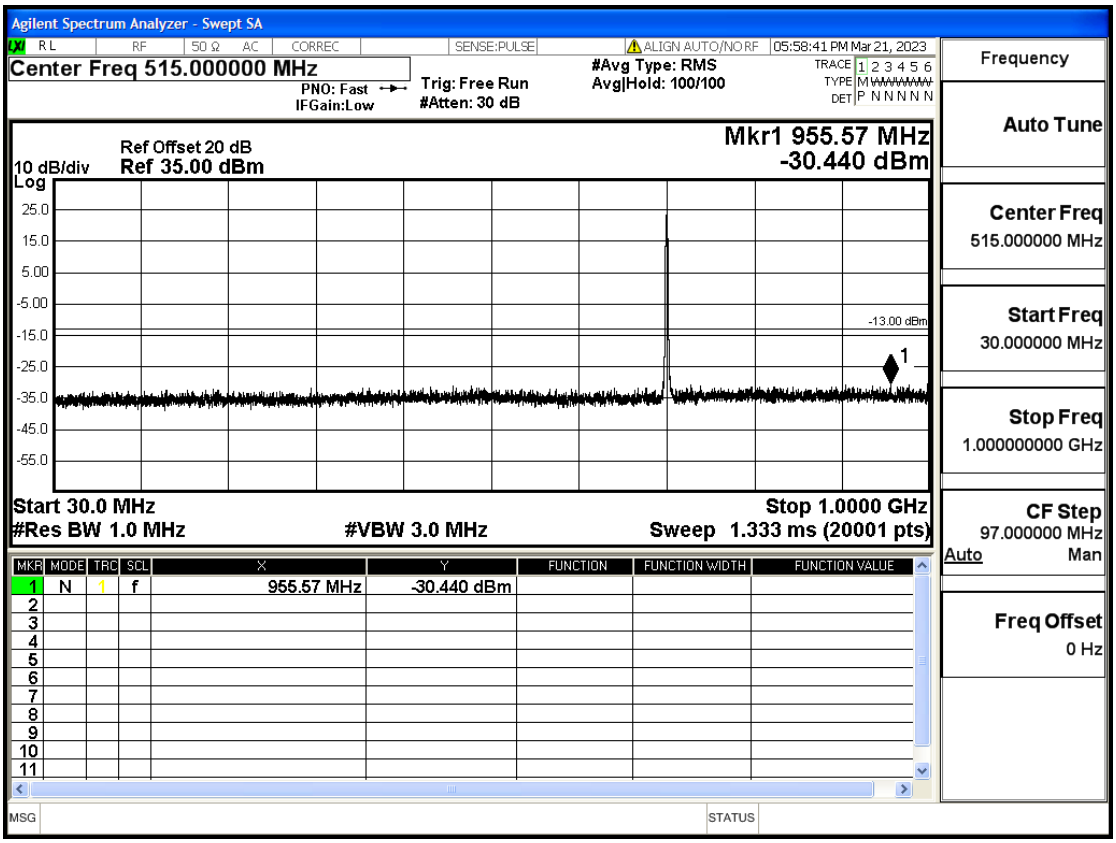
OB12-1.4-699.7-QPSK-6#LOW@30mHz-1GHz@Pass



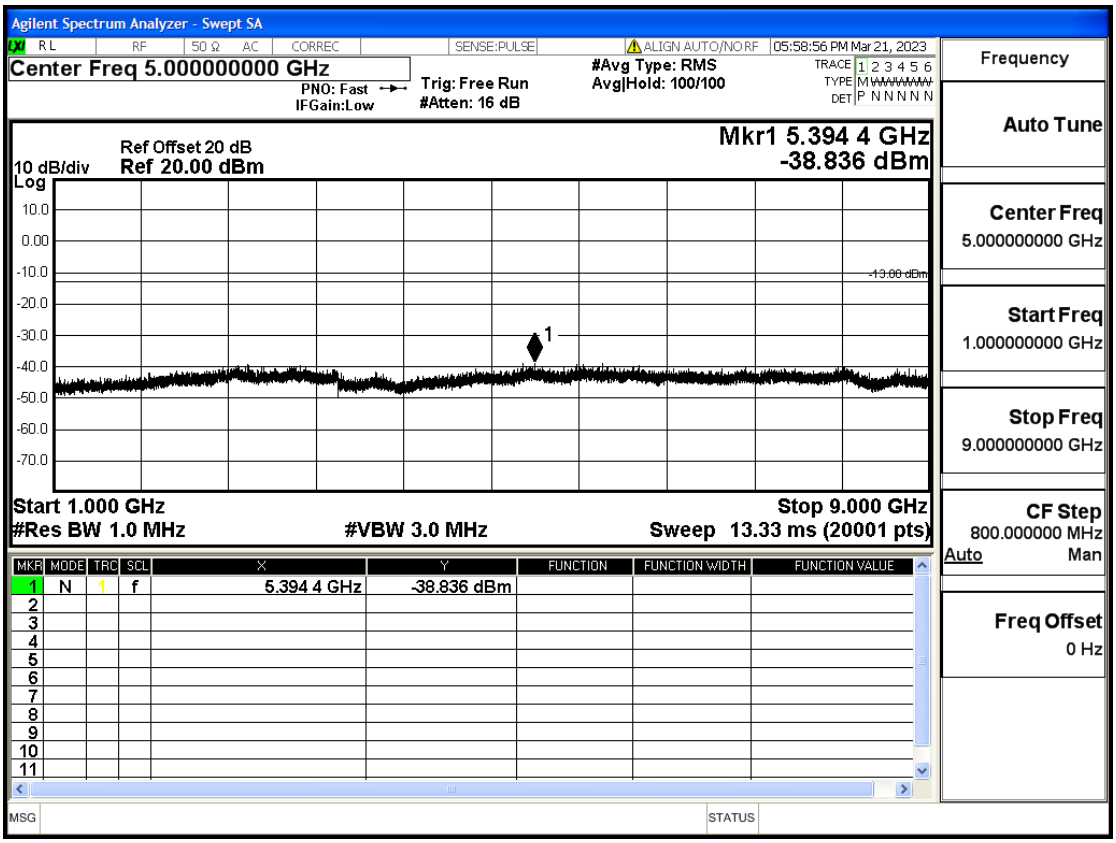
OB12-1.4-699.7-QPSK-6#LOW@1GHz-9GHz@Pass



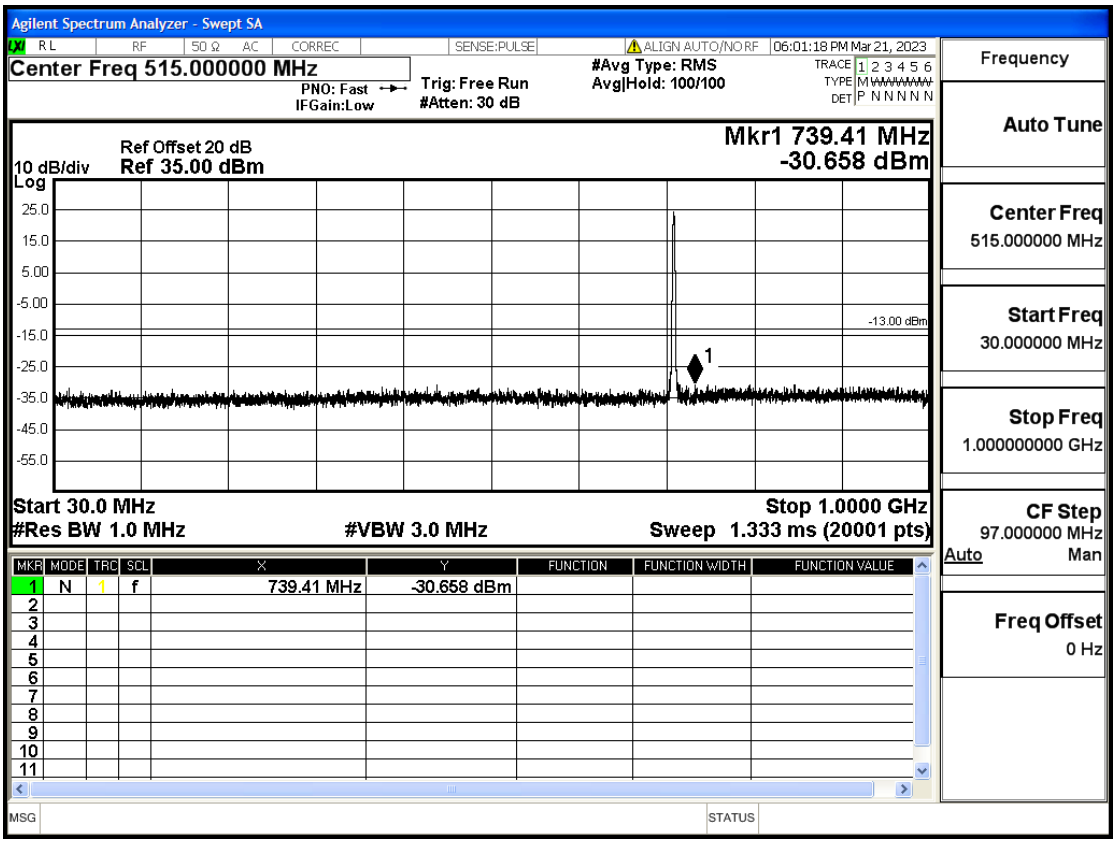
OB12-1.4-707.5-QPSK-6#LOW@30mHz-1GHz@Pass



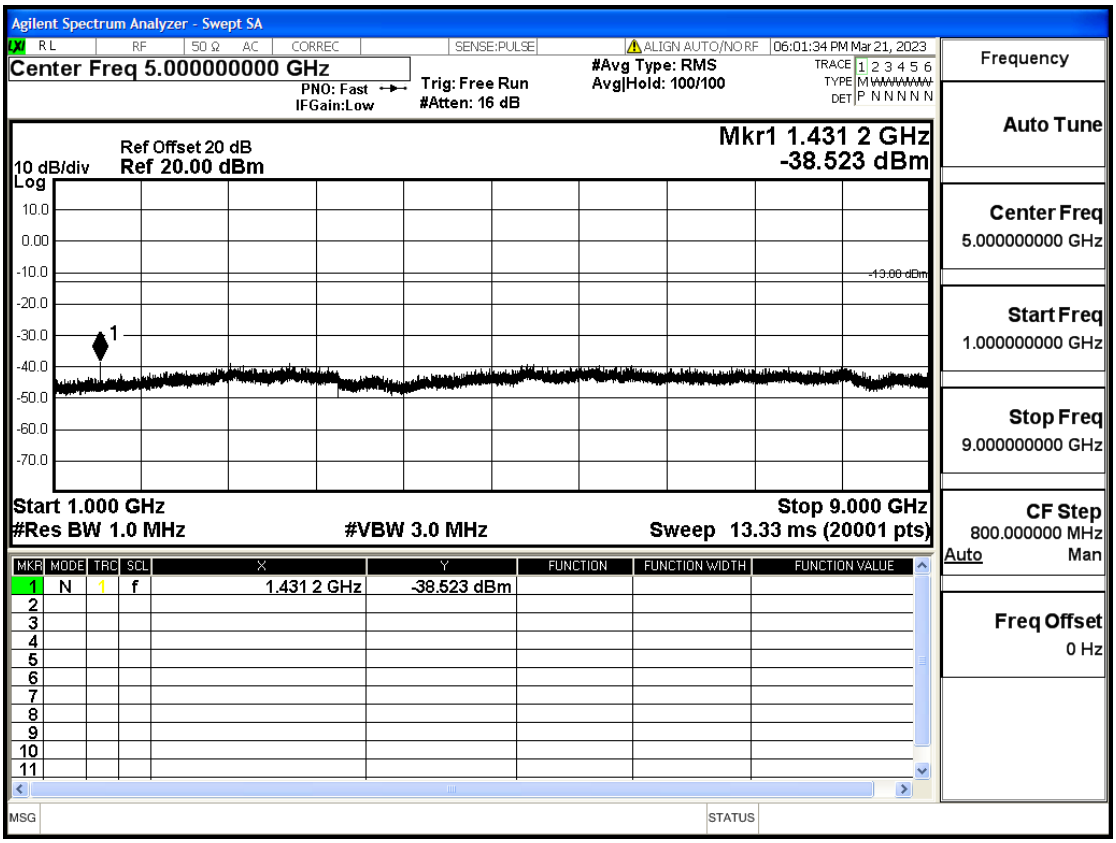
OB12-1.4-707.5-QPSK-6#LOW@1GHz-9GHz@Pass



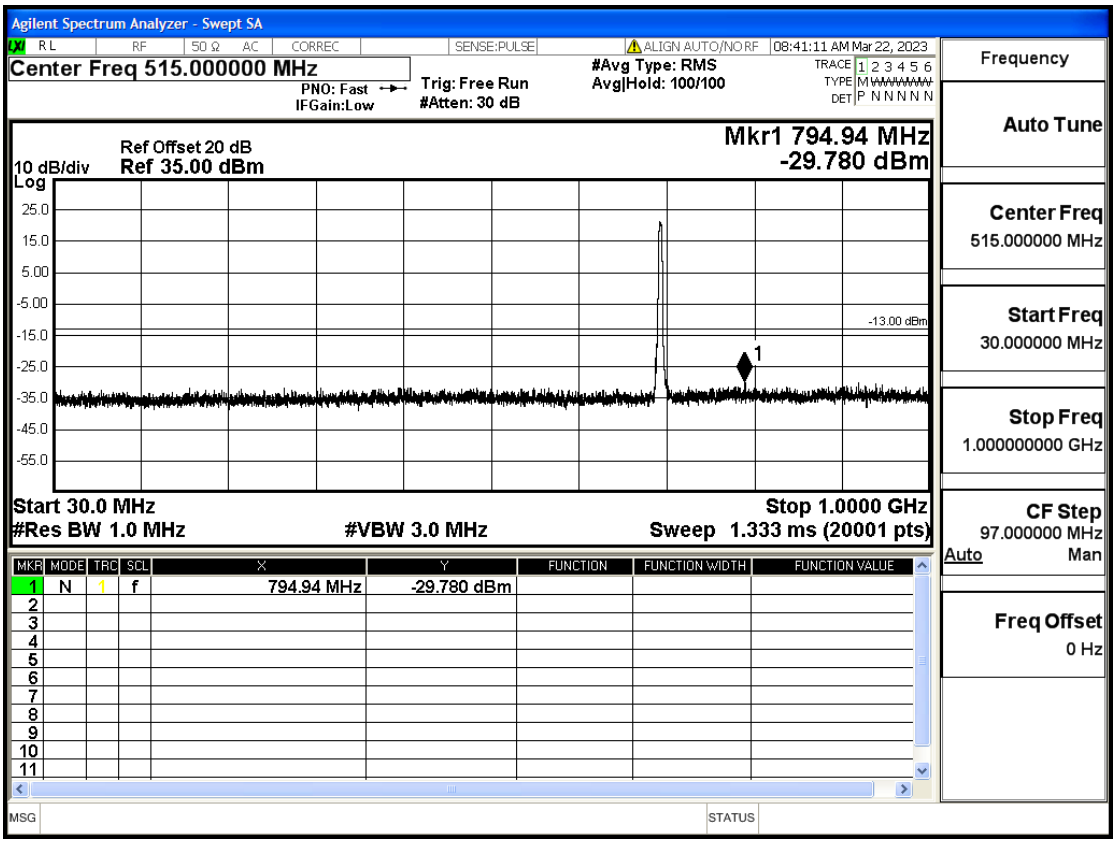
OB12-1.4-715.3-QPSK-6#LOW@30mHz-1GHz@Pass



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



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



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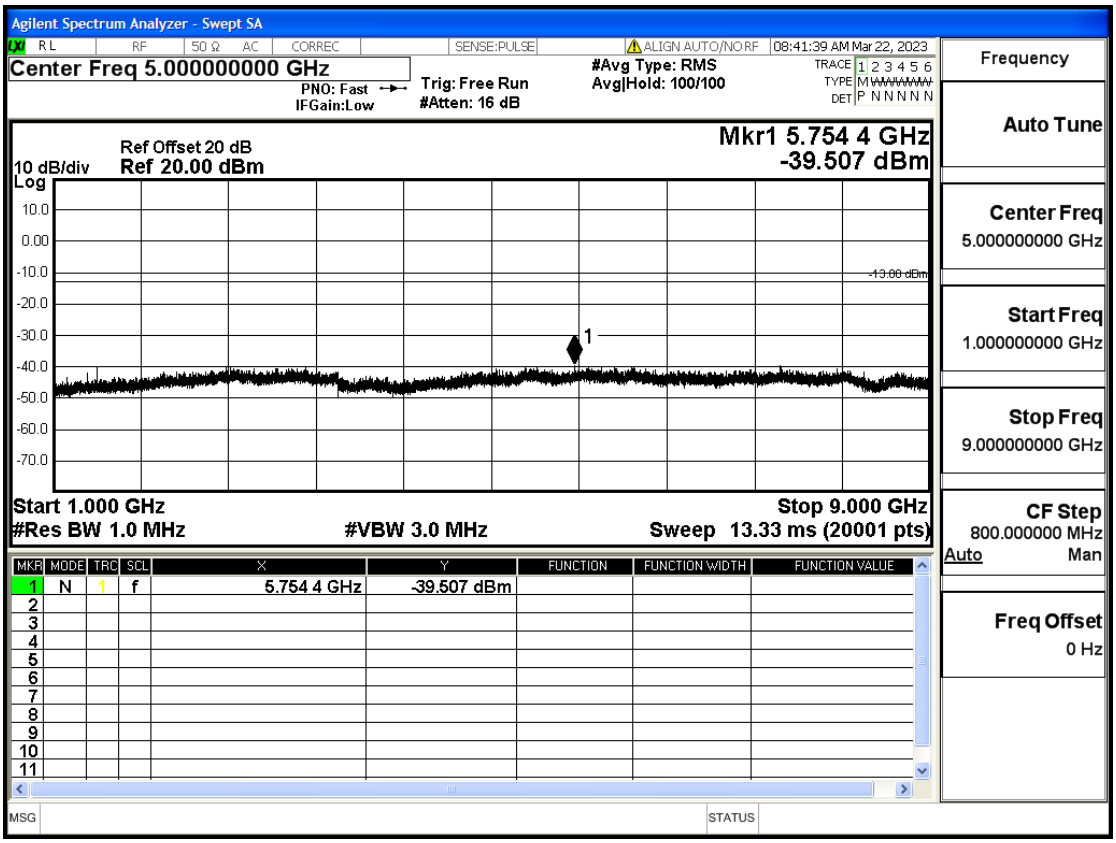

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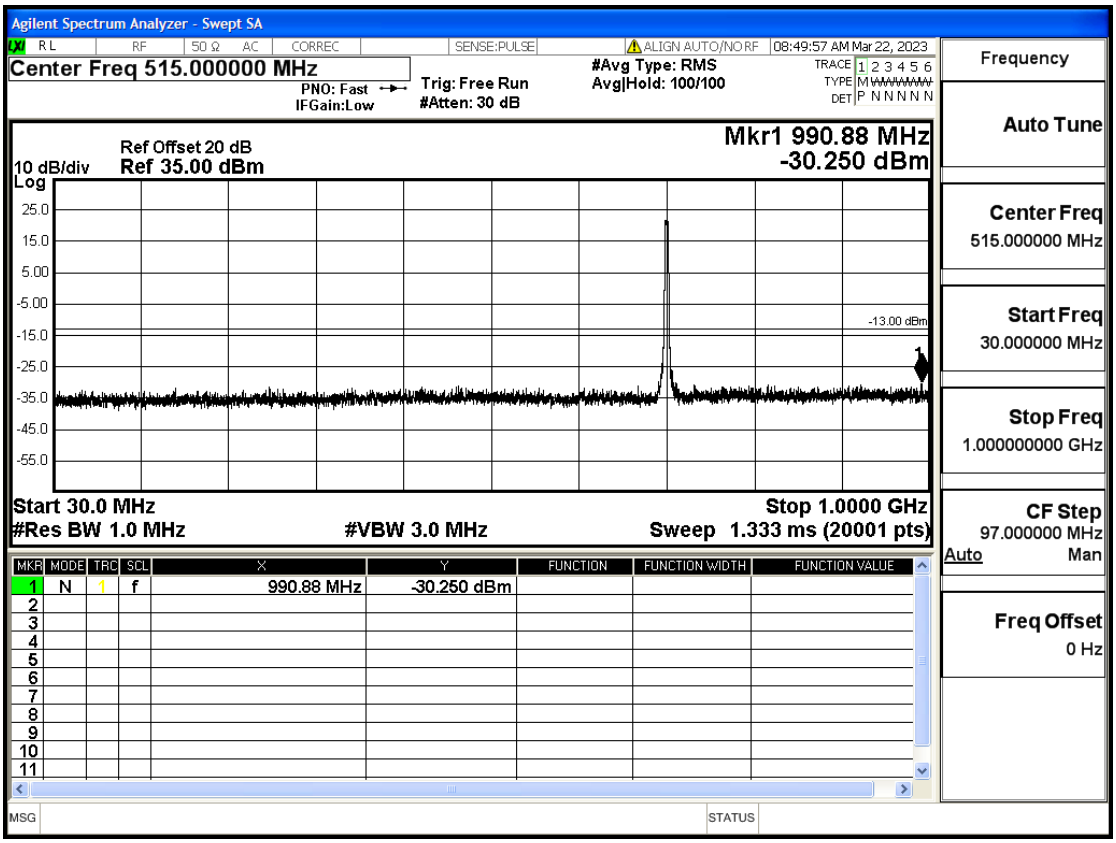
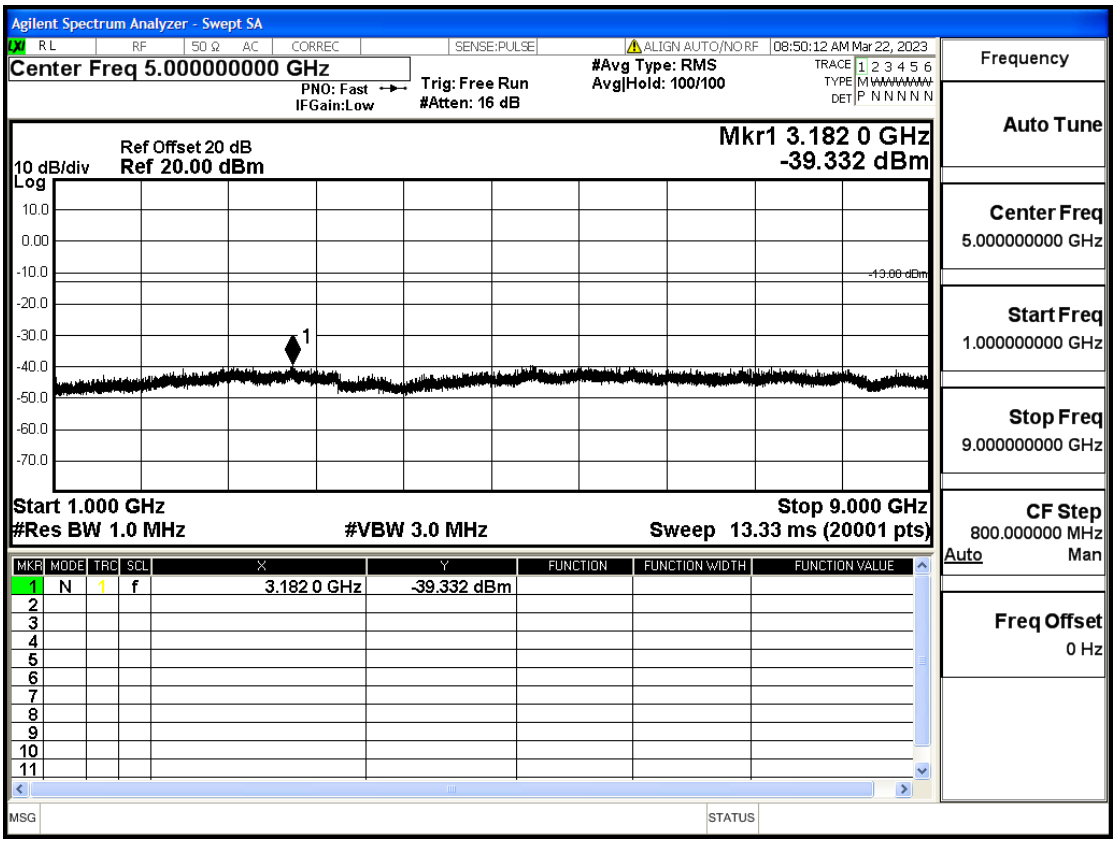


OB12-3-707.5-QPSK-15#LOW@1GHz-9GHz@Pass



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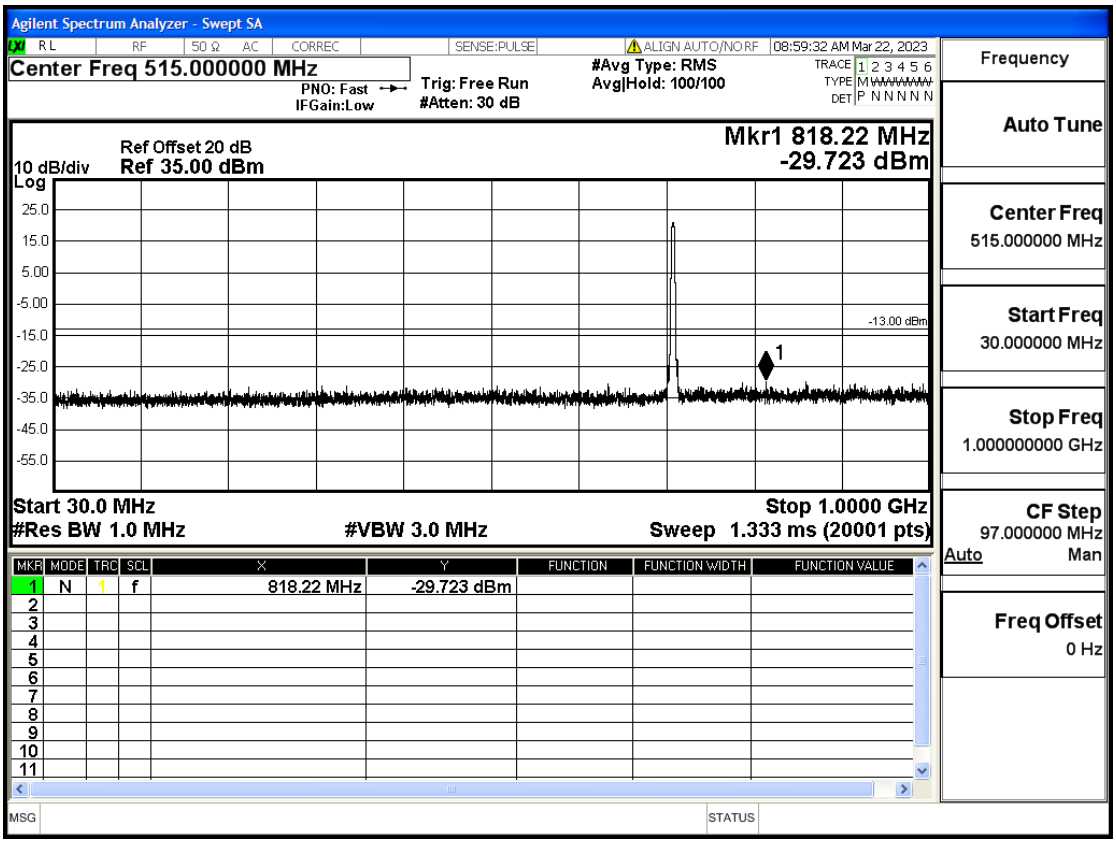
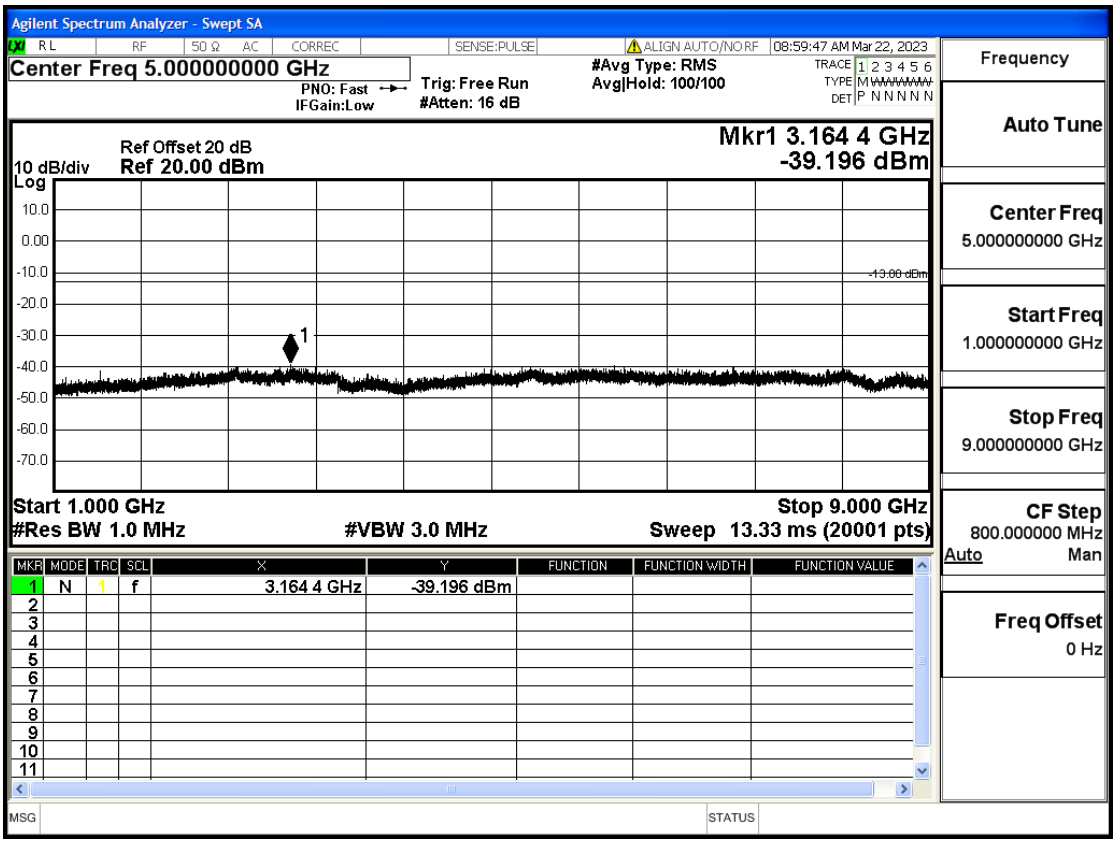
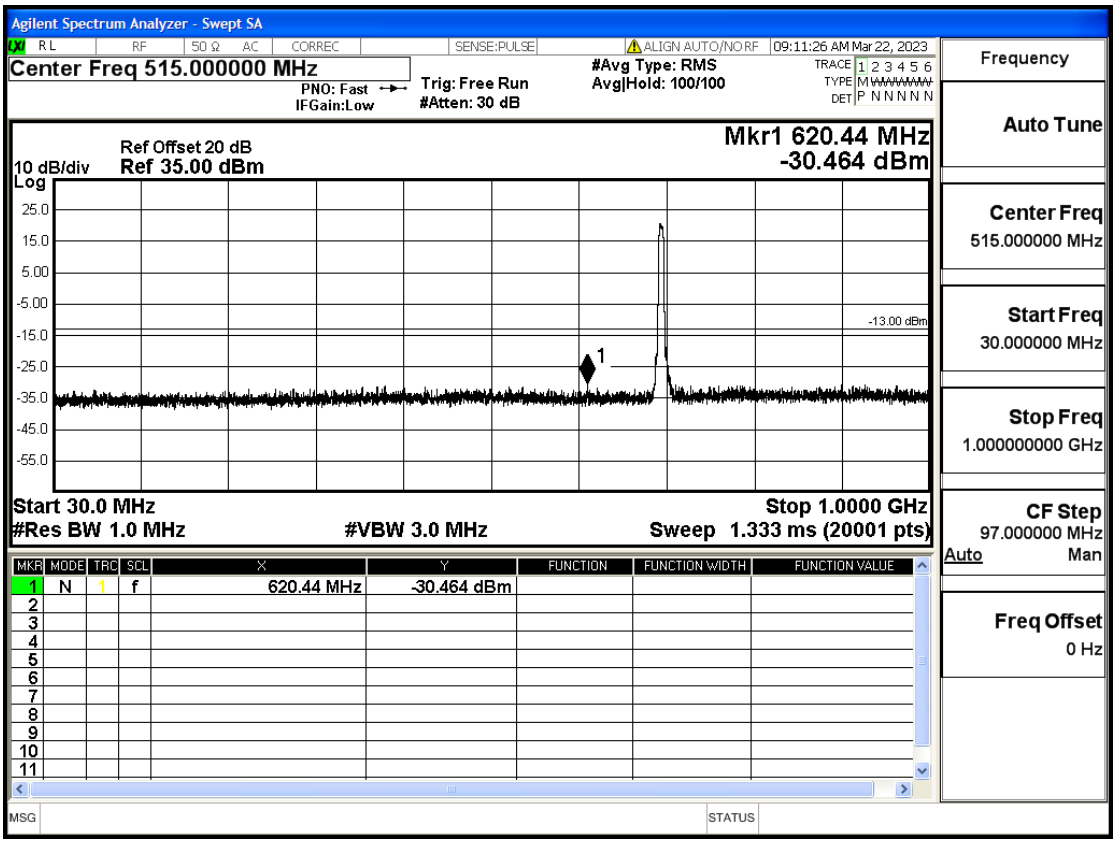


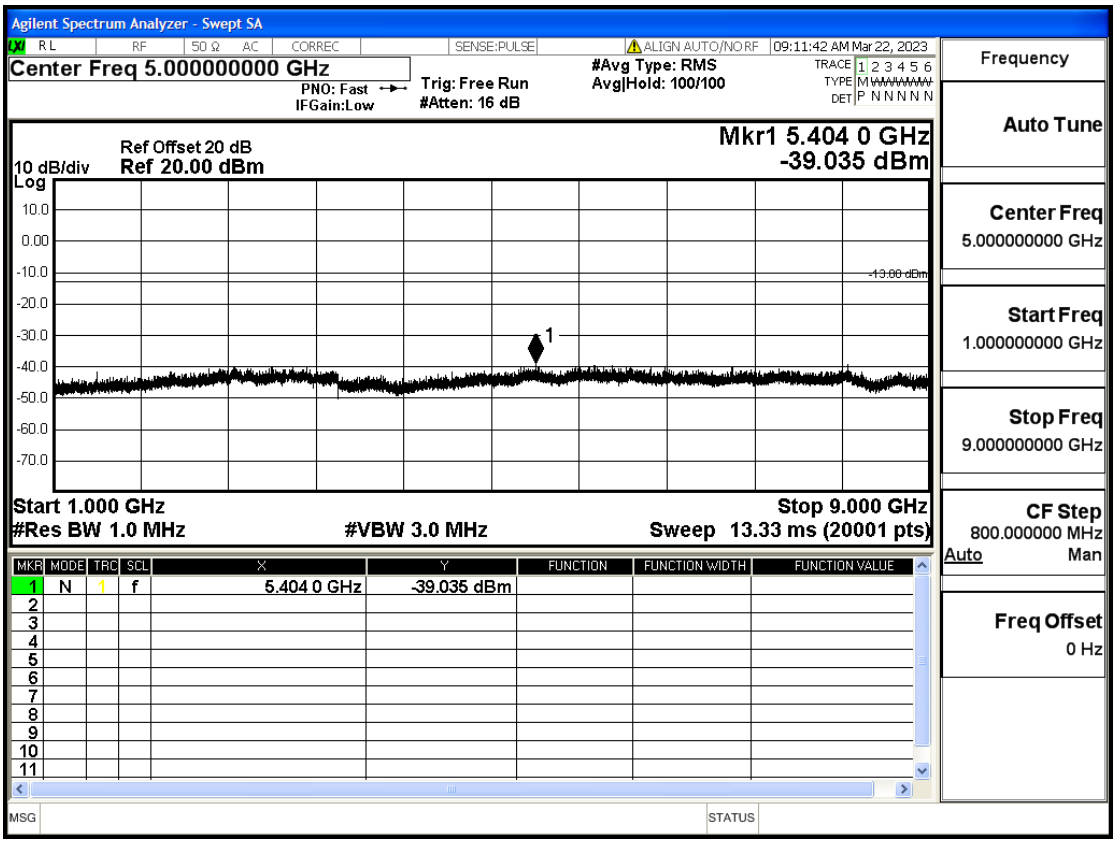
OB12-3-714.5-QPSK-15#LOW@1GHz-9GHz@Pass



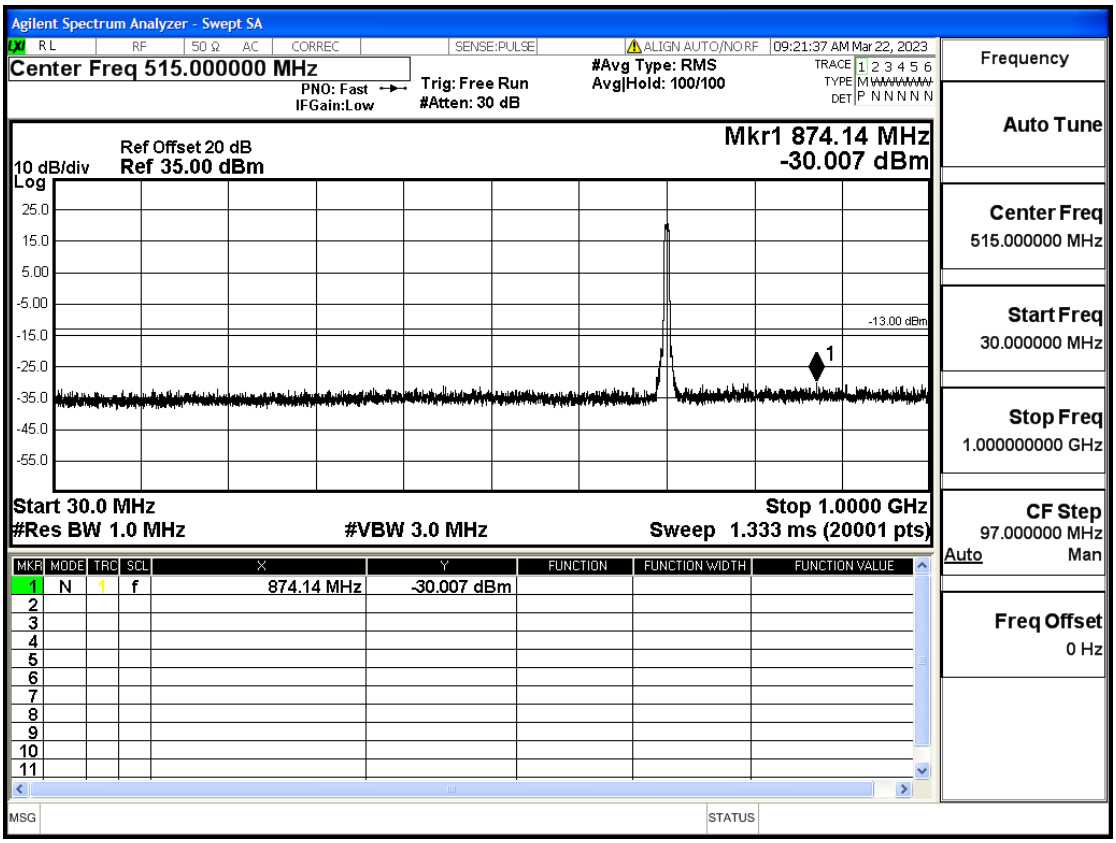
OB12-5-701.5-QPSK-25#LOW@30mHz-1GHz@Pass



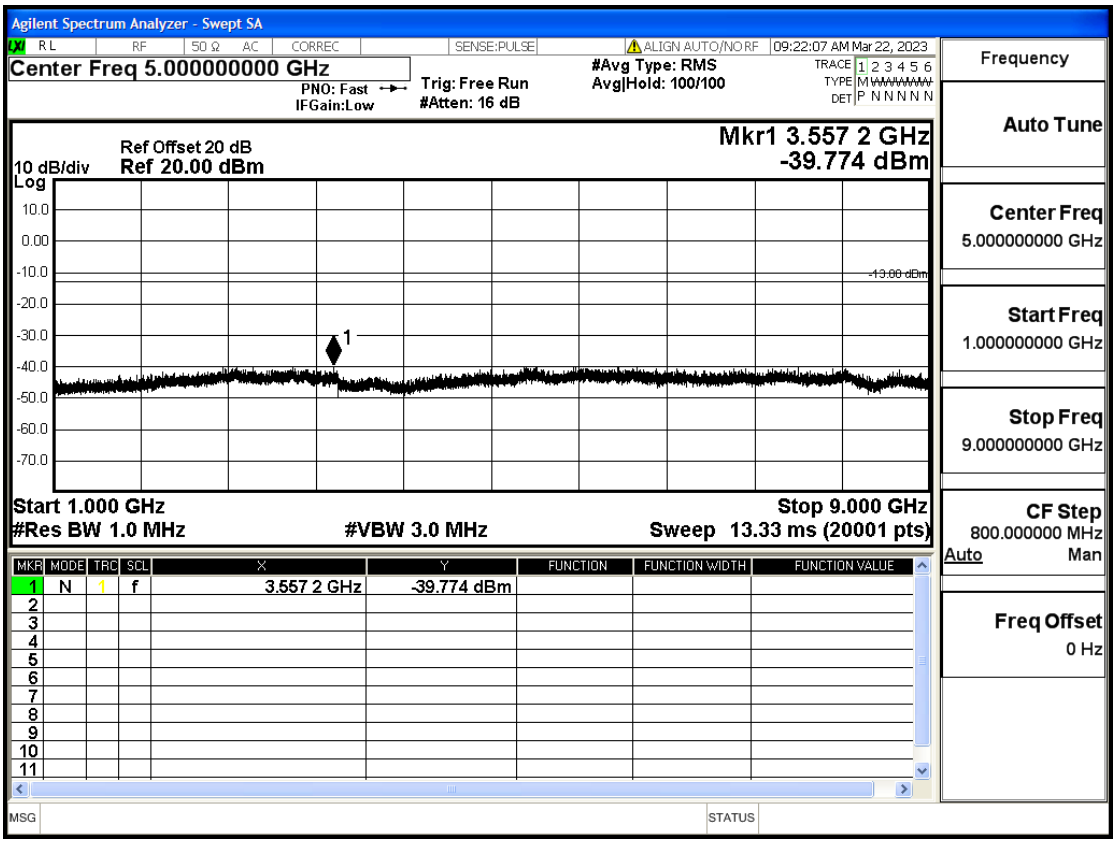
OB12-5-701.5-QPSK-25#LOW@1GHz-9GHz@Pass



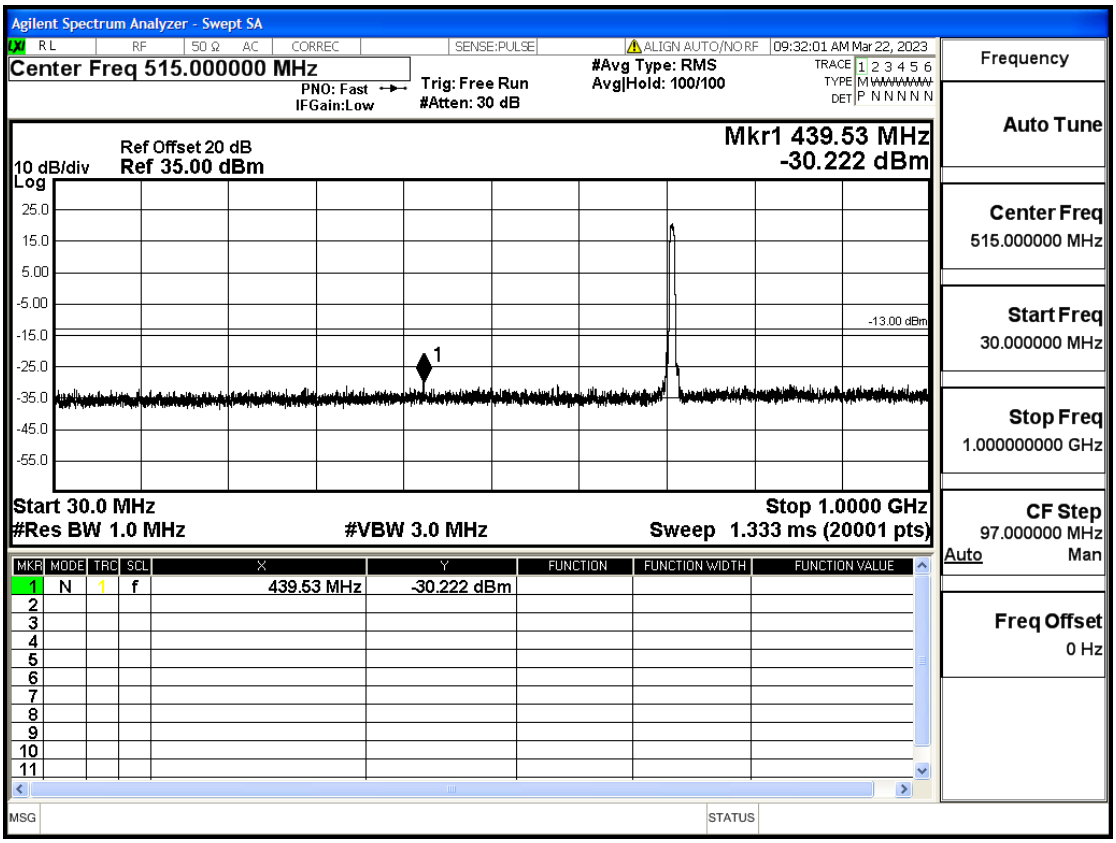
OB12-5-707.5-QPSK-25#LOW@30mHz-1GHz@Pass



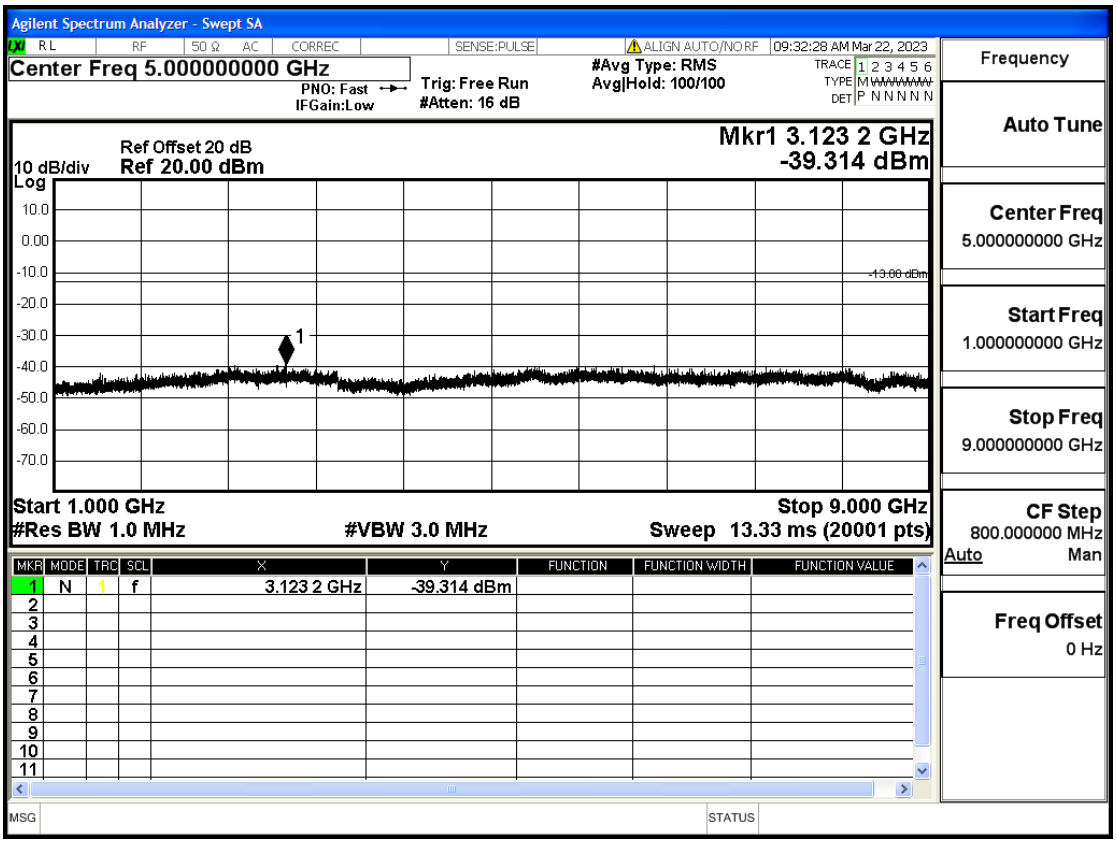
OB12-5-707.5-QPSK-25#LOW@1GHz-9GHz@Pass



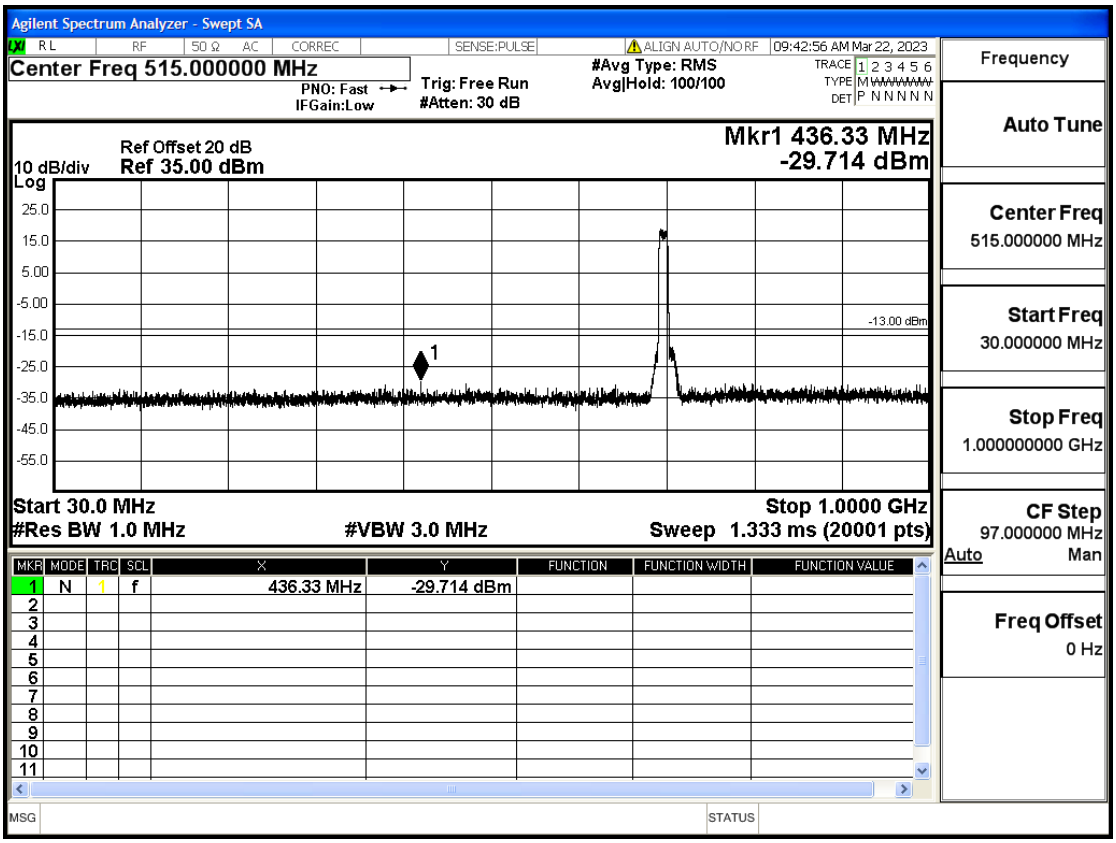
OB12-5-713.5-QPSK-25#LOW@30mHz-1GHz@Pass



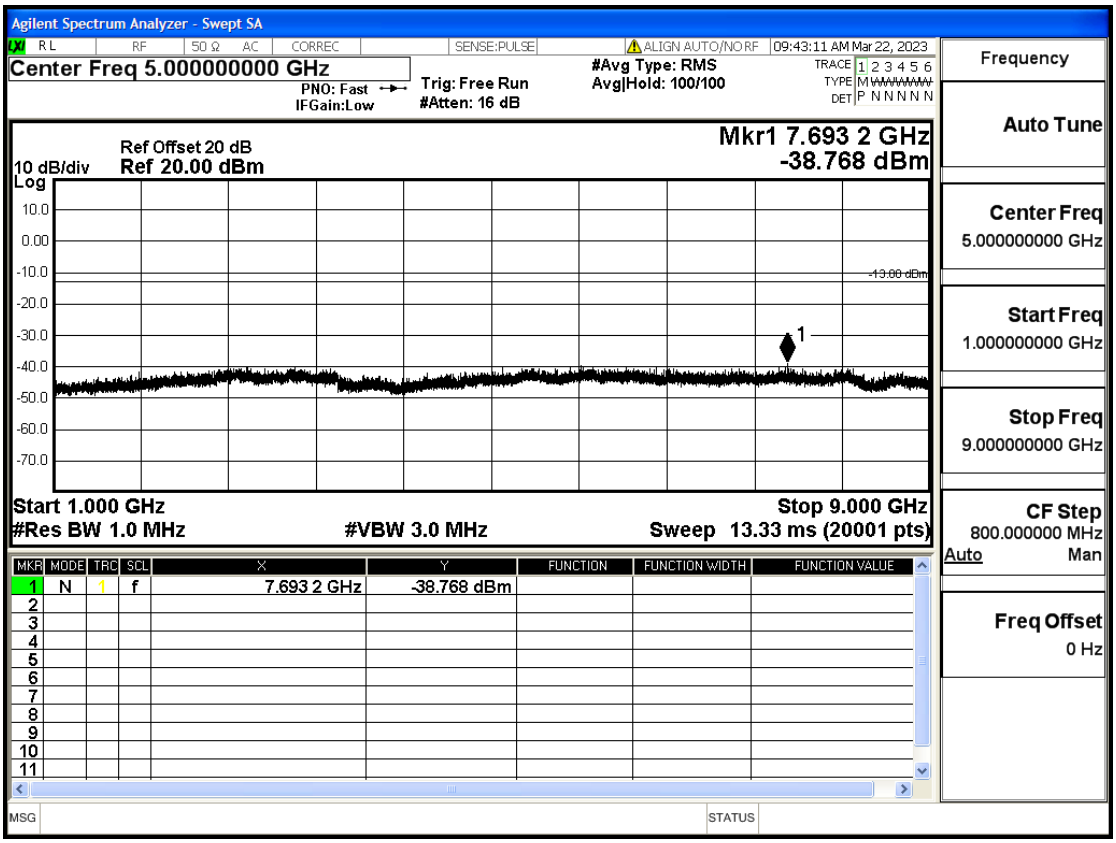
OB12-5-713.5-QPSK-25#LOW@1GHz-9GHz@Pass



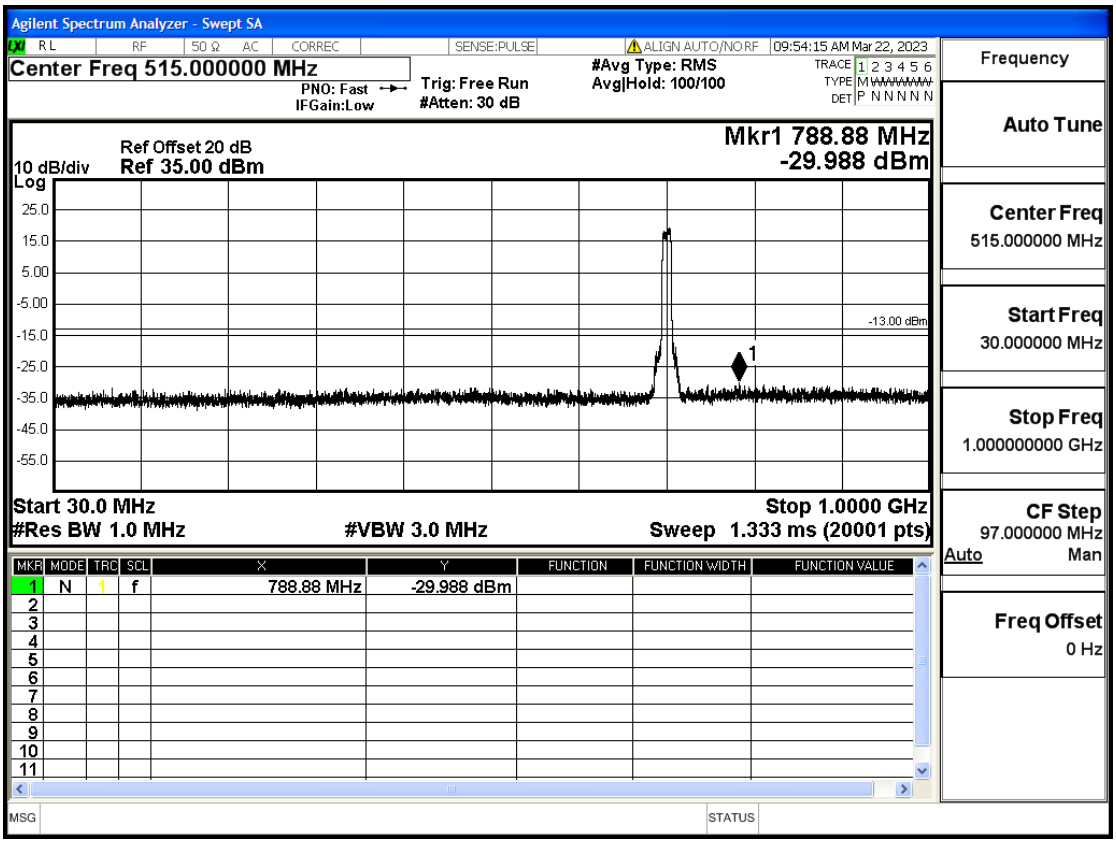
OB12-10-704-QPSK-50#LOW@30mHz-1GHz@Pass



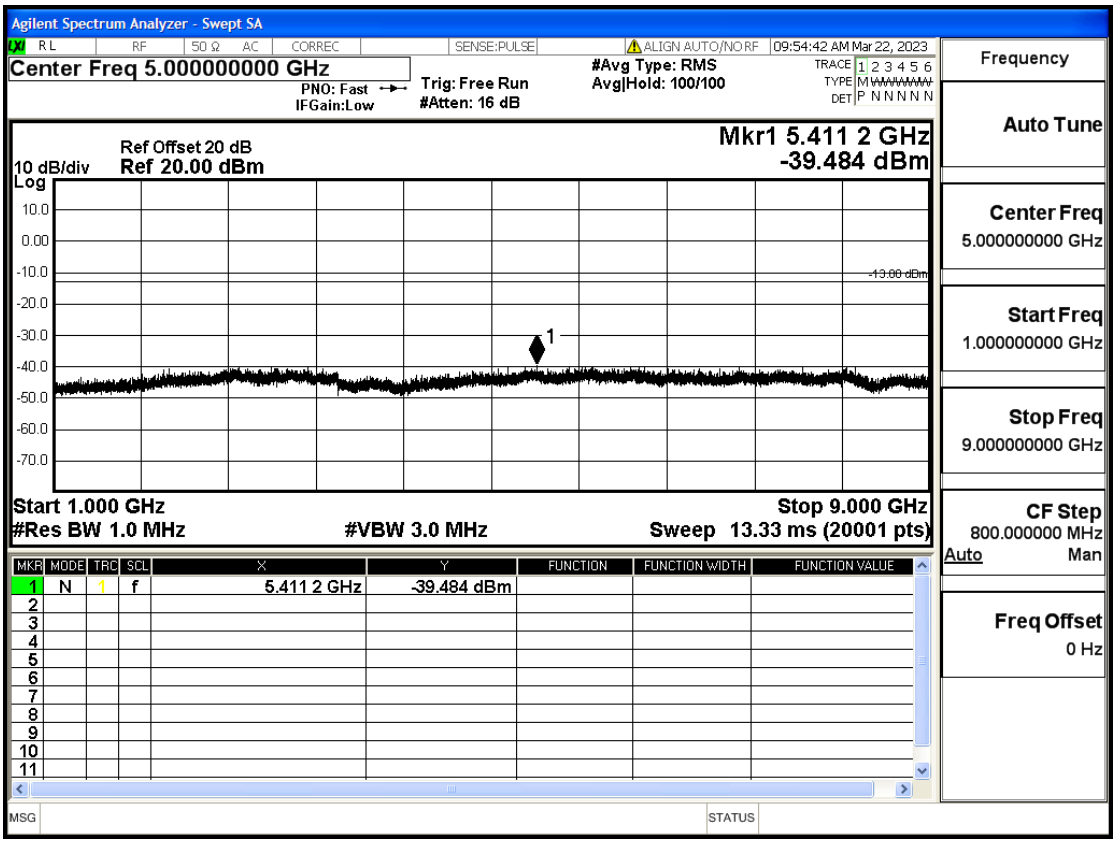
OB12-10-704-QPSK-50#LOW@1GHz-9GHz@Pass



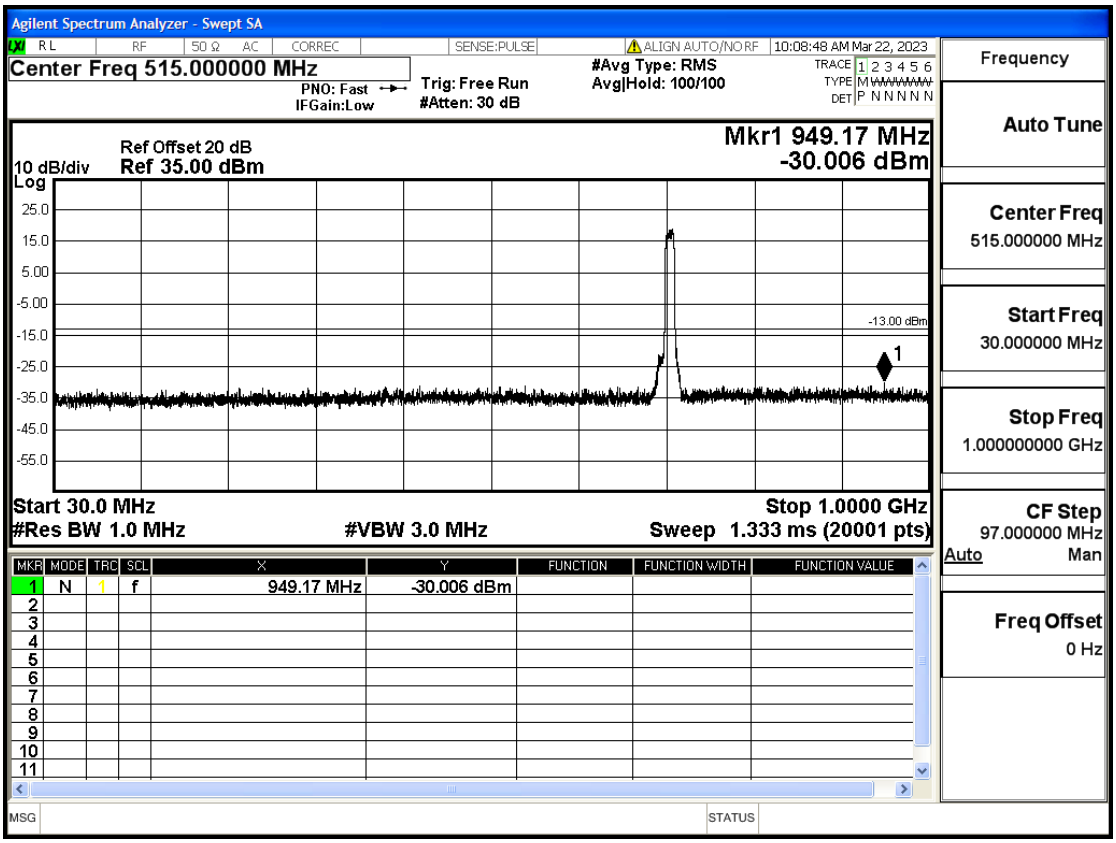
OB12-10-707.5-QPSK-50#LOW@30mHz-1GHz@Pass



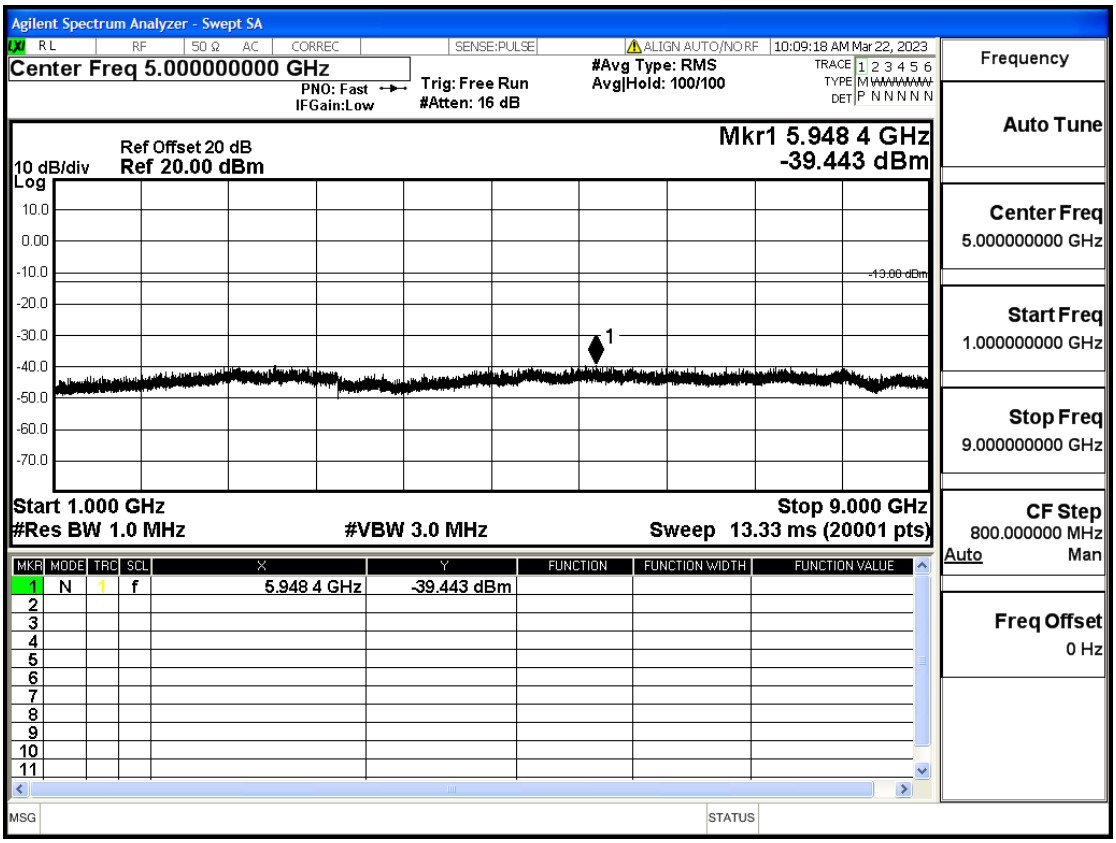
OB12-10-707.5-QPSK-50#LOW@1GHz-9GHz@Pass



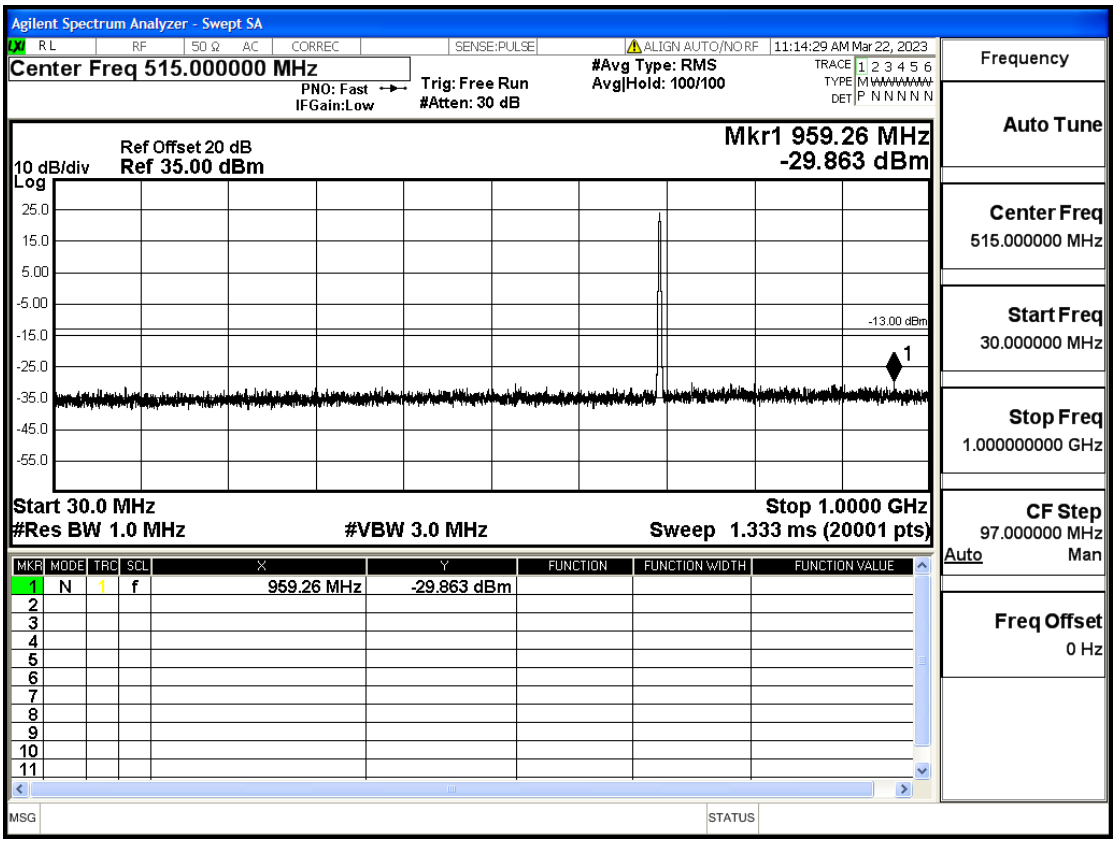
OB12-10-711-QPSK-50#LOW@30mHz-1GHz@Pass



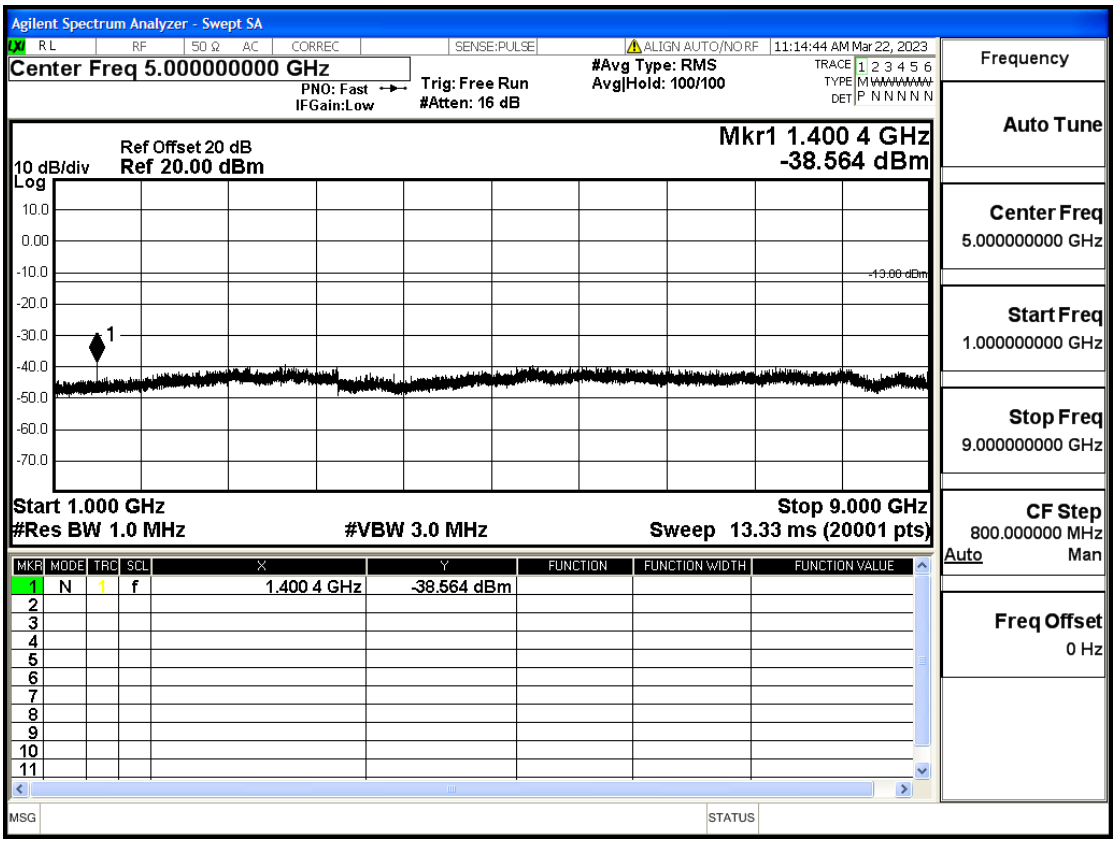
OB12-10-711-QPSK-50#LOW@1GHz-9GHz@Pass



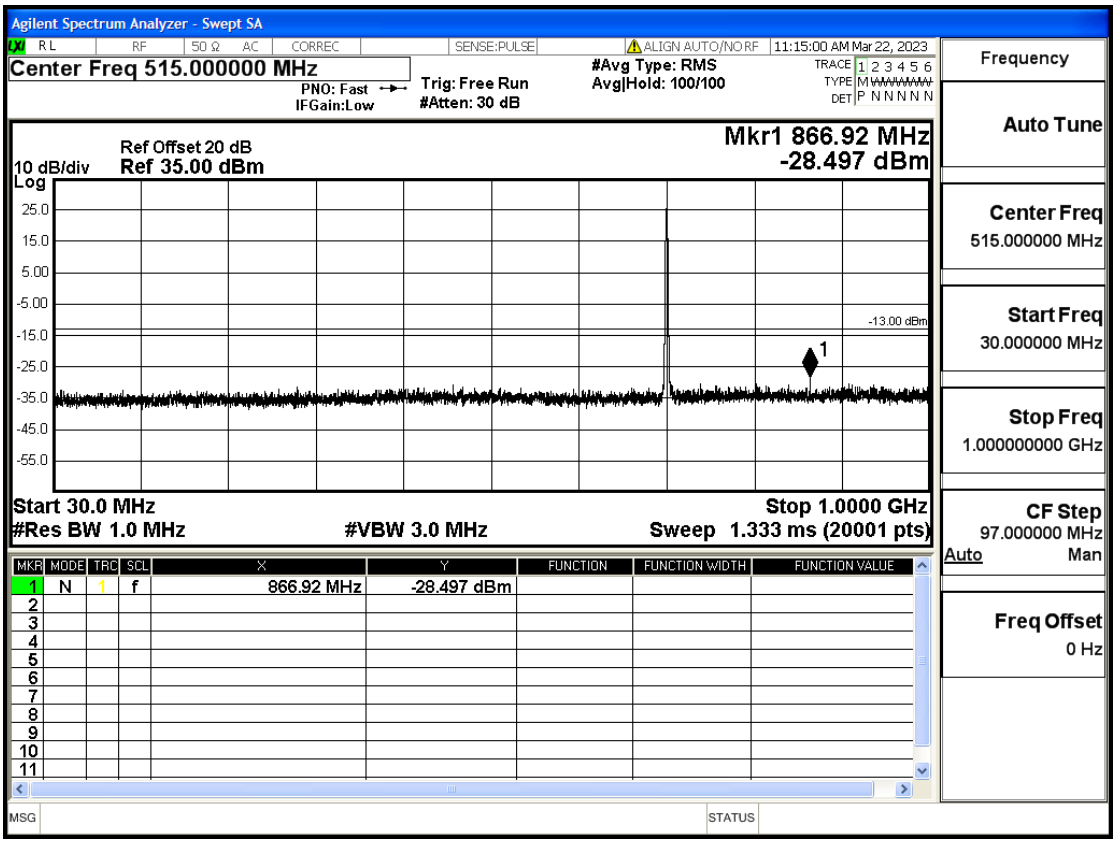
OB12-1.4-699.7-Q16-6#LOW@30mHz-1GHz@Pass



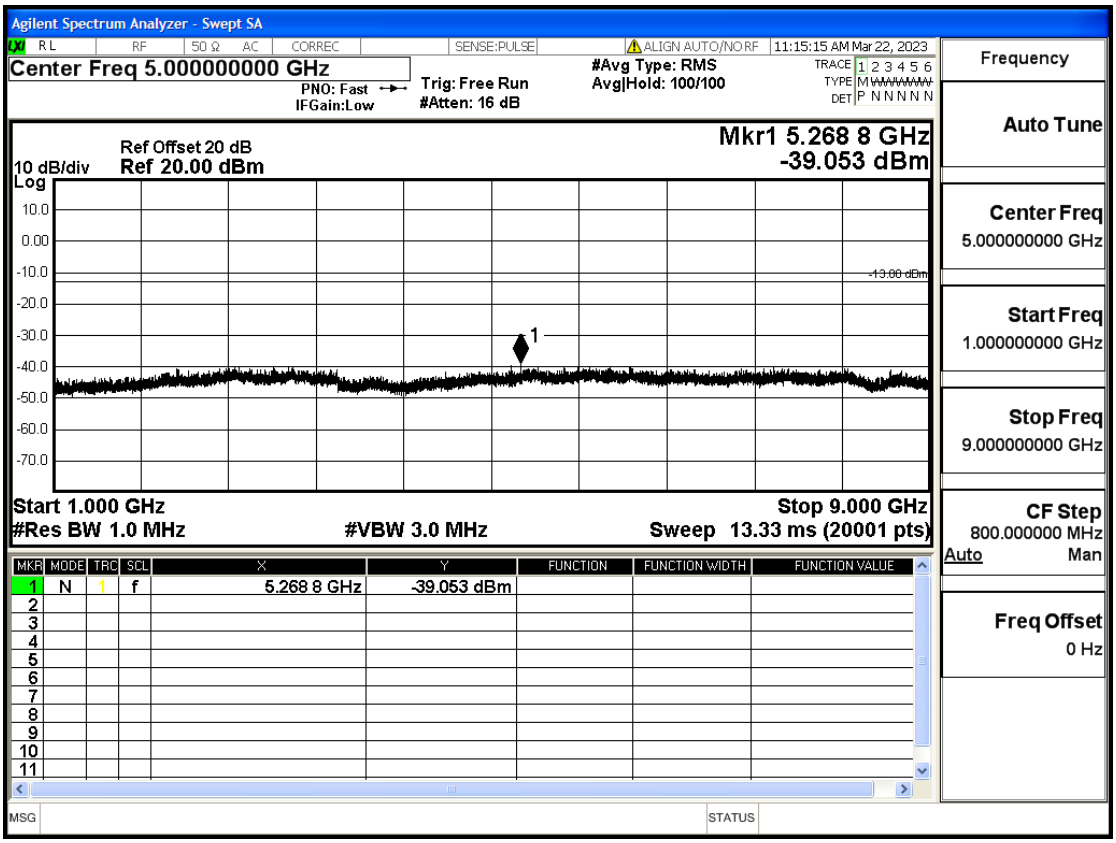
OB12-1.4-699.7-Q16-6#LOW@1GHz-9GHz@Pass



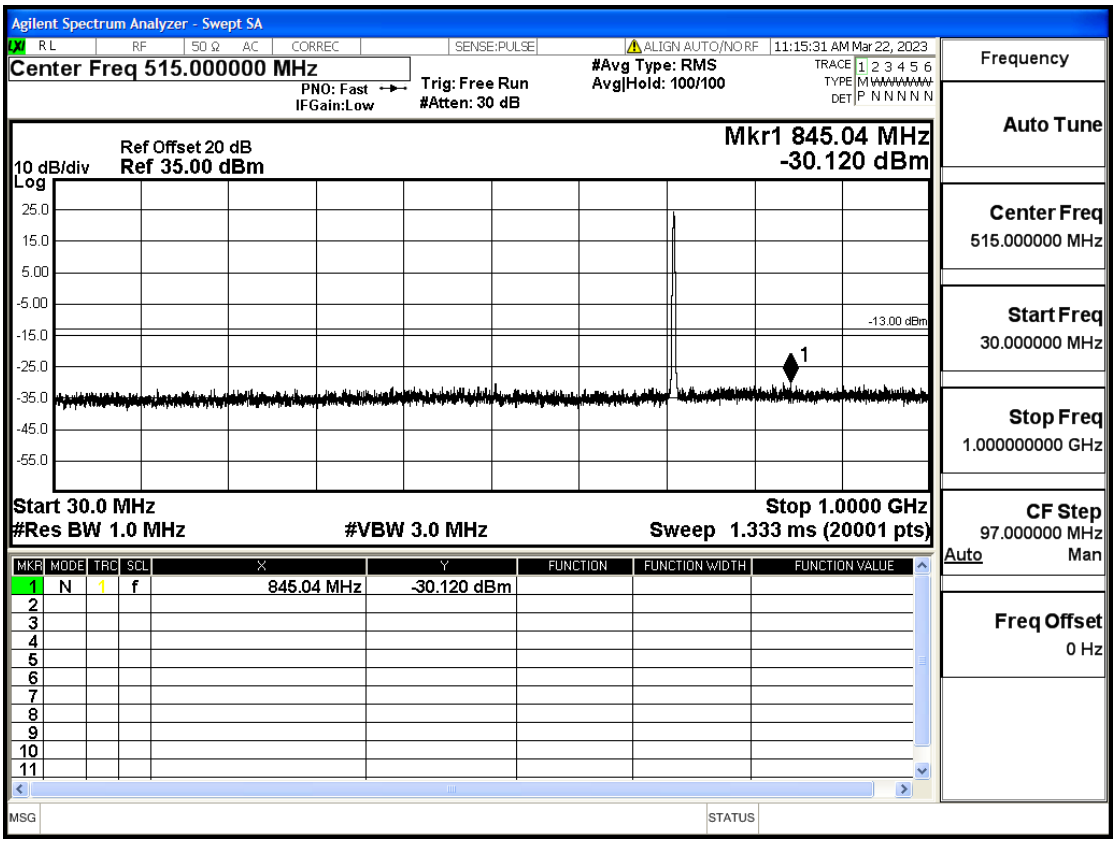
OB12-1.4-707.5-Q16-6#LOW@30mHz-1GHz@Pass



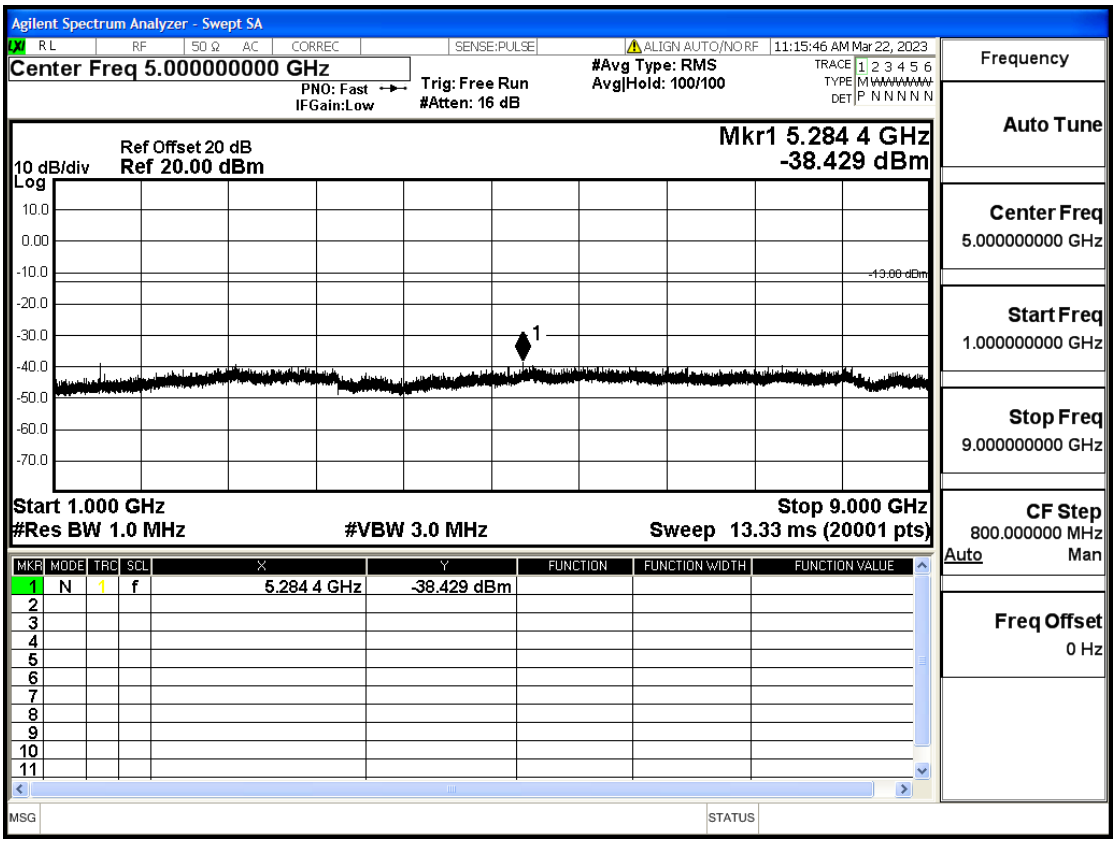
OB12-1.4-707.5-Q16-6#LOW@1GHz-9GHz@Pass



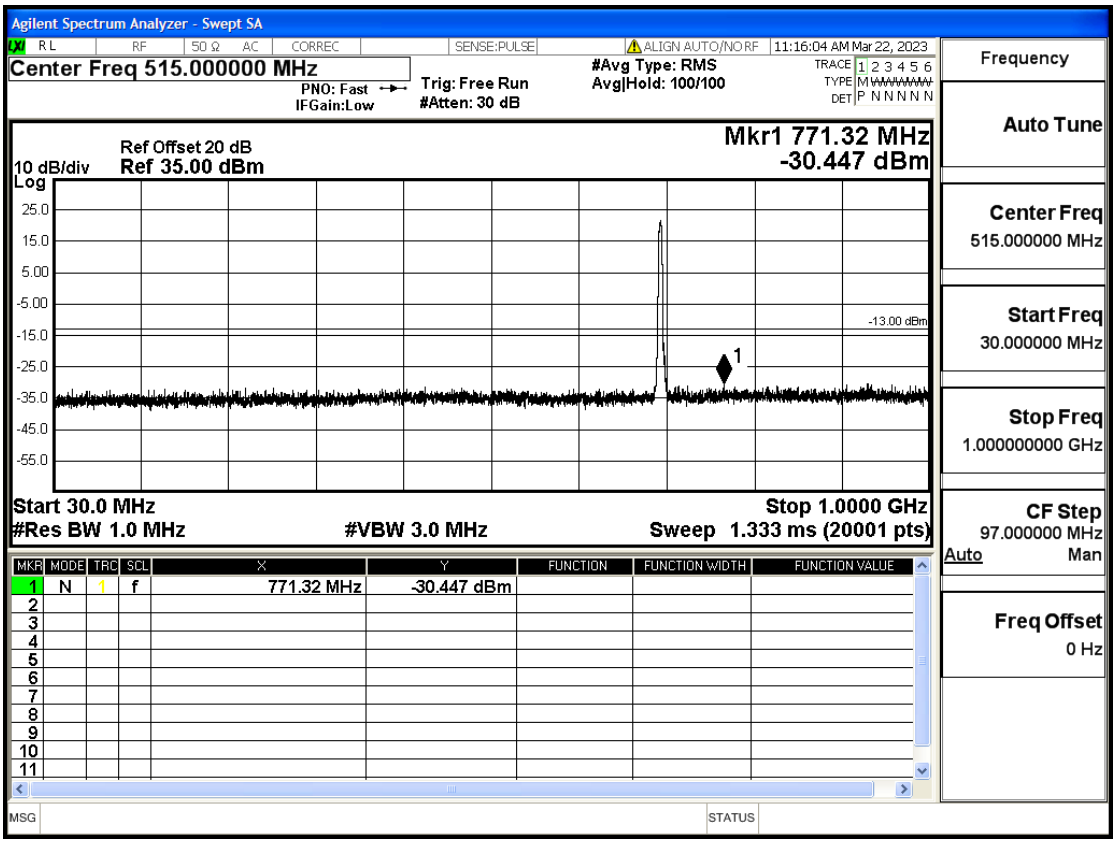
OB12-1.4-715.3-Q16-6#LOW@30mHz-1GHz@Pass



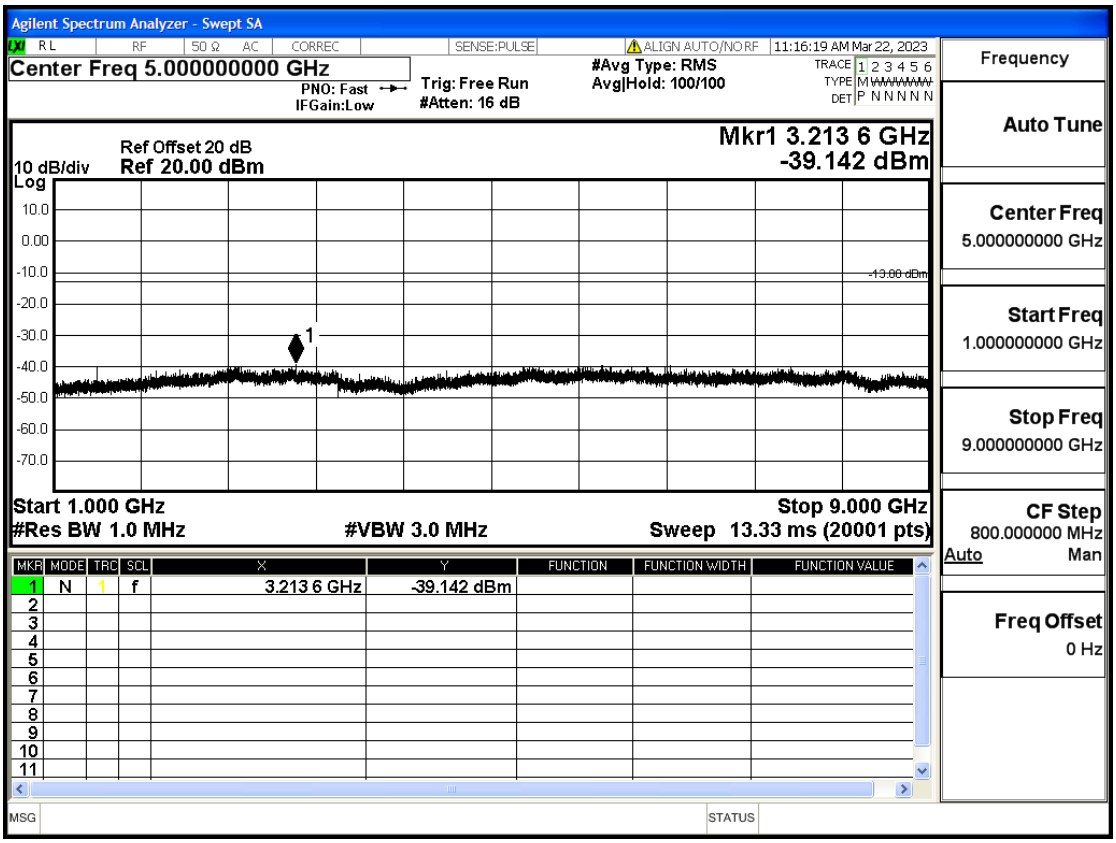
OB12-1.4-715.3-Q16-6#LOW@1GHz-9GHz@Pass



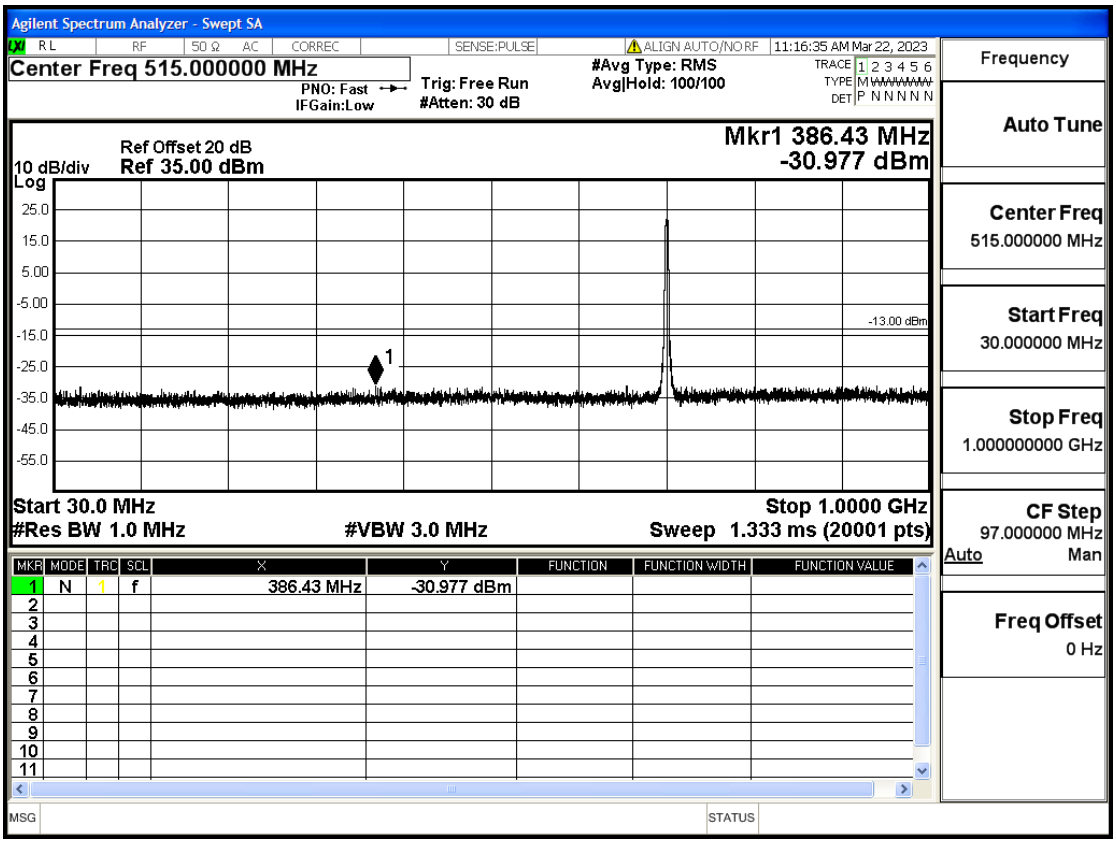
OB12-3-700.5-Q16-15#LOW@30mHz-1GHz@Pass



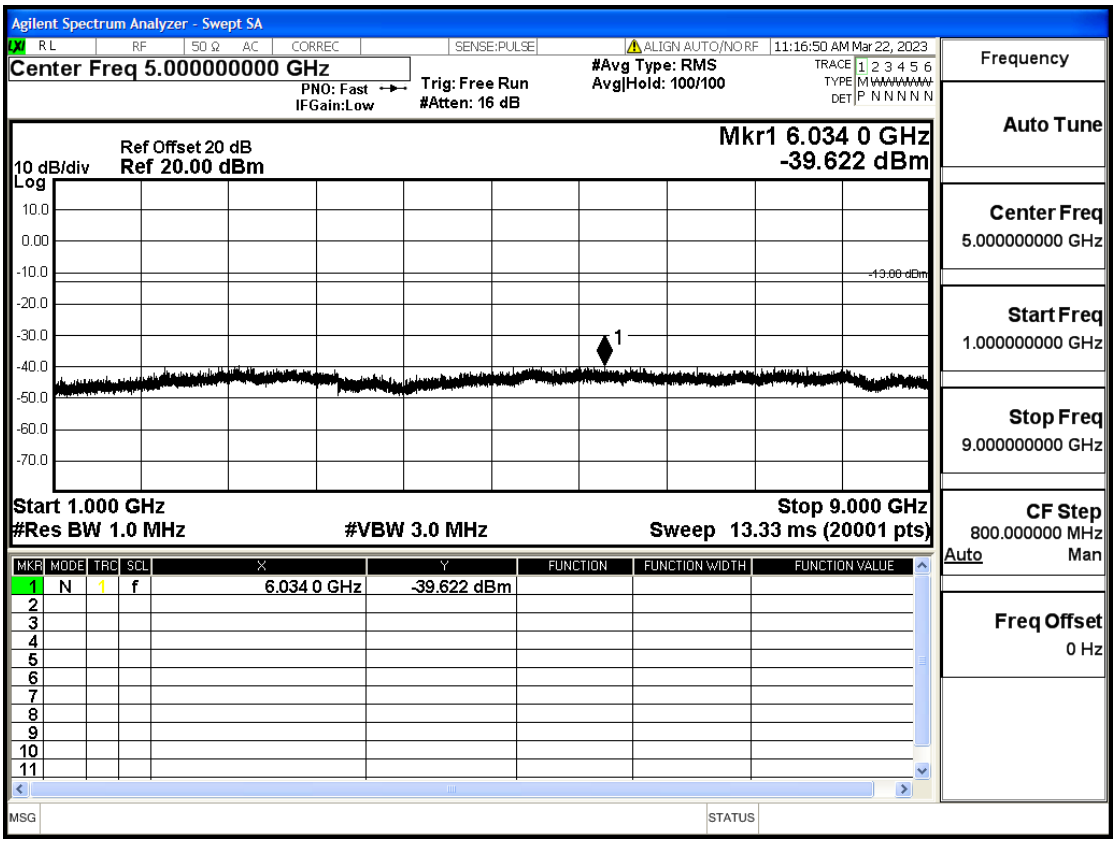
OB12-3-700.5-Q16-15#LOW@1GHz-9GHz@Pass



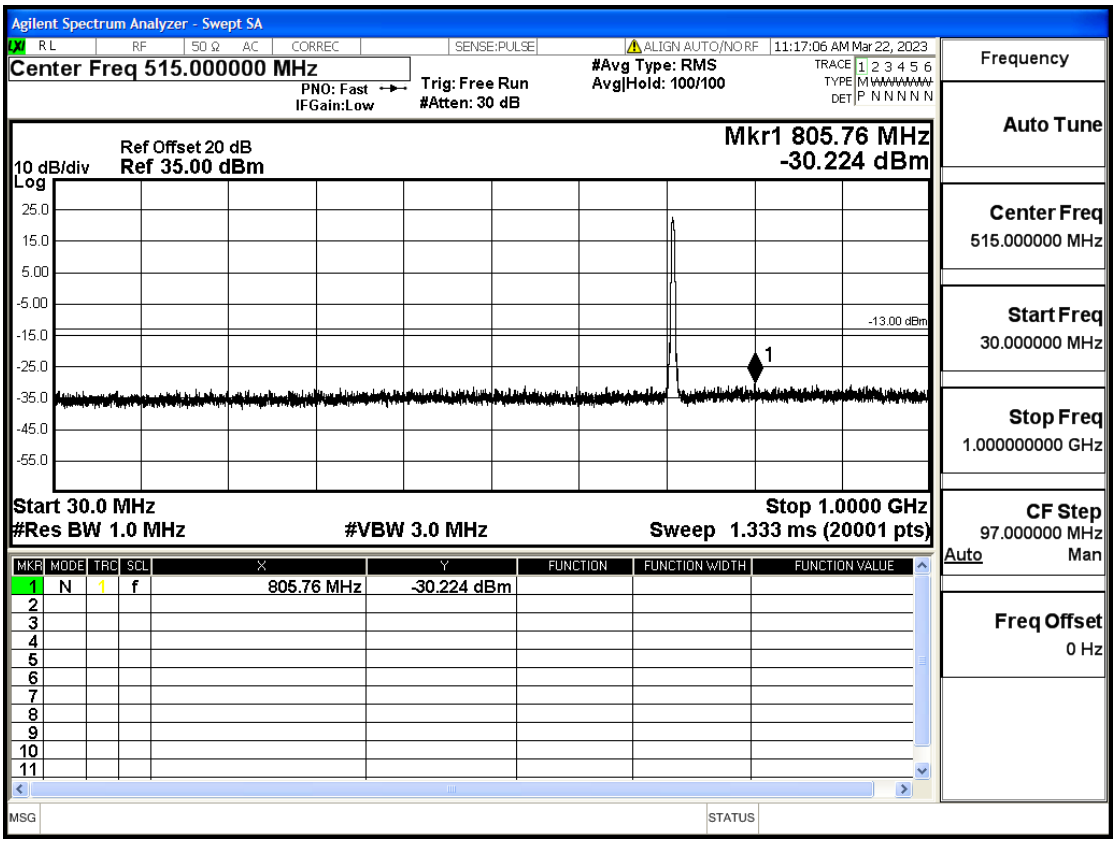
OB12-3-707.5-Q16-15#LOW@30mHz-1GHz@Pass



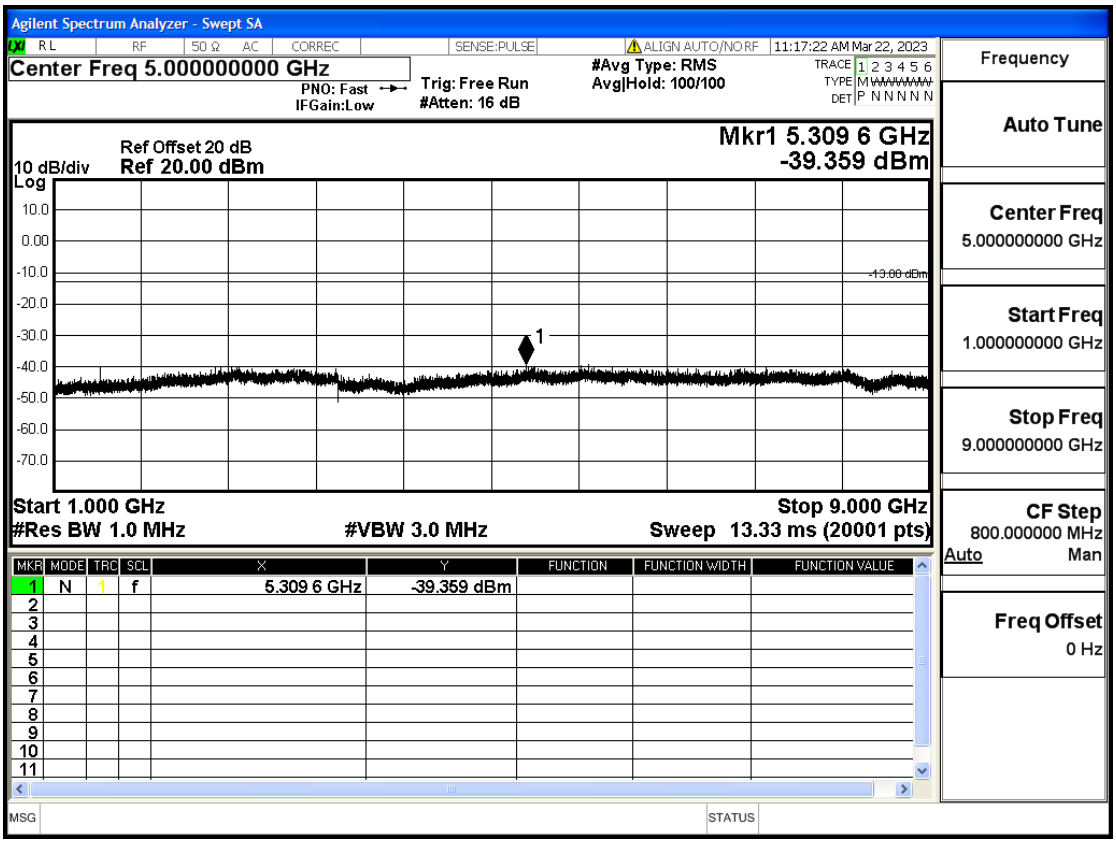
OB12-3-707.5-Q16-15#LOW@1GHz-9GHz@Pass



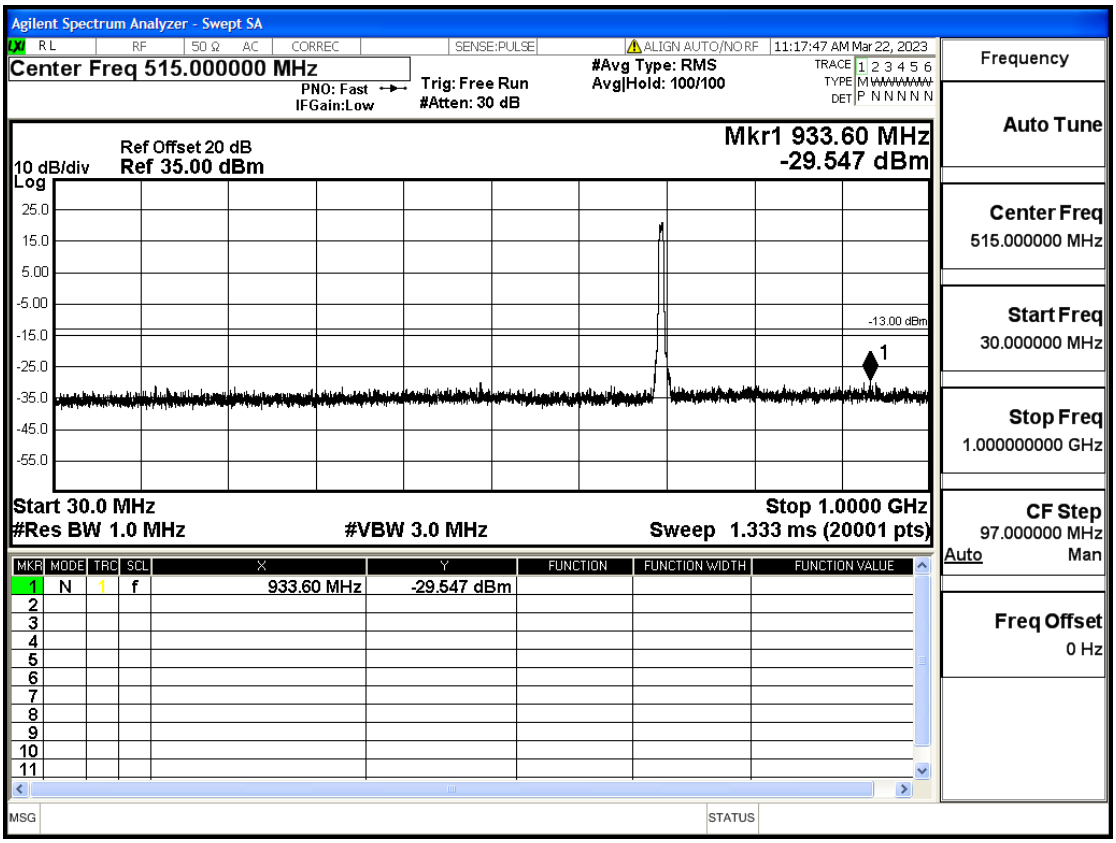
OB12-3-714.5-Q16-15#LOW@30mHz-1GHz@Pass



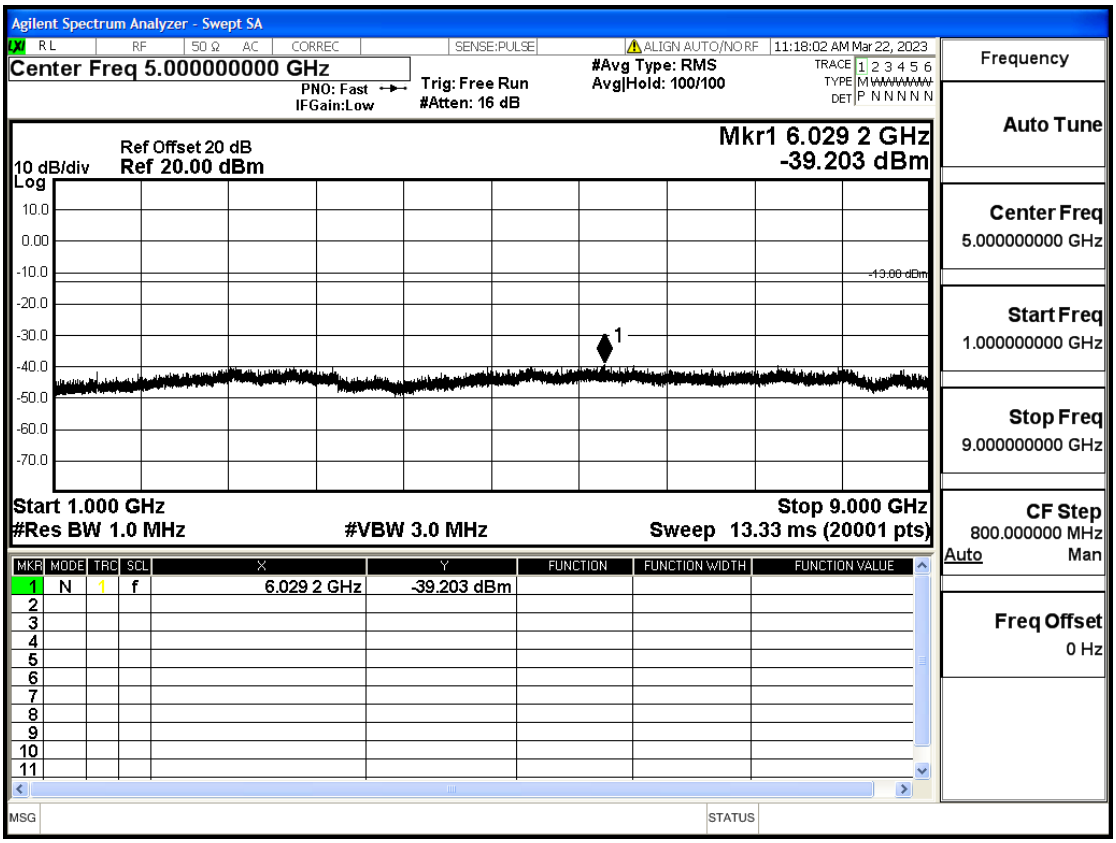
OB12-3-714.5-Q16-15#LOW@1GHz-9GHz@Pass



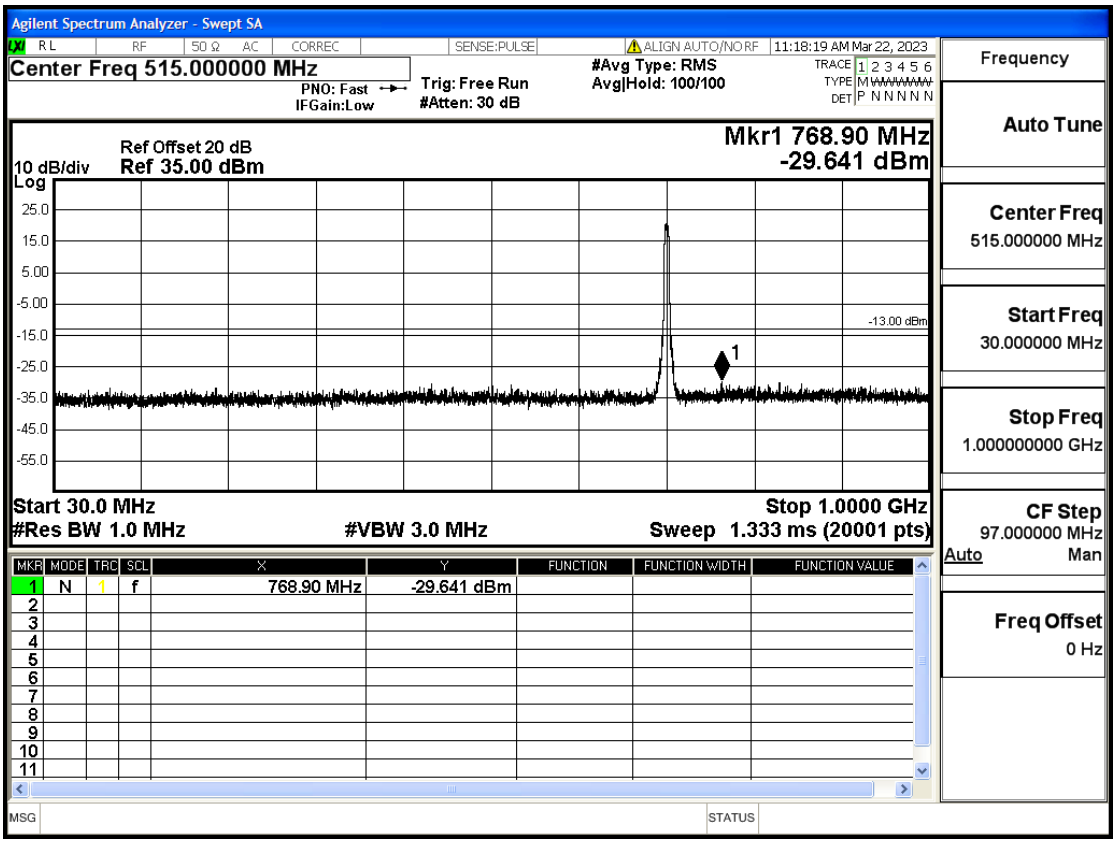
OB12-5-701.5-Q16-25#LOW@30mHz-1GHz@Pass



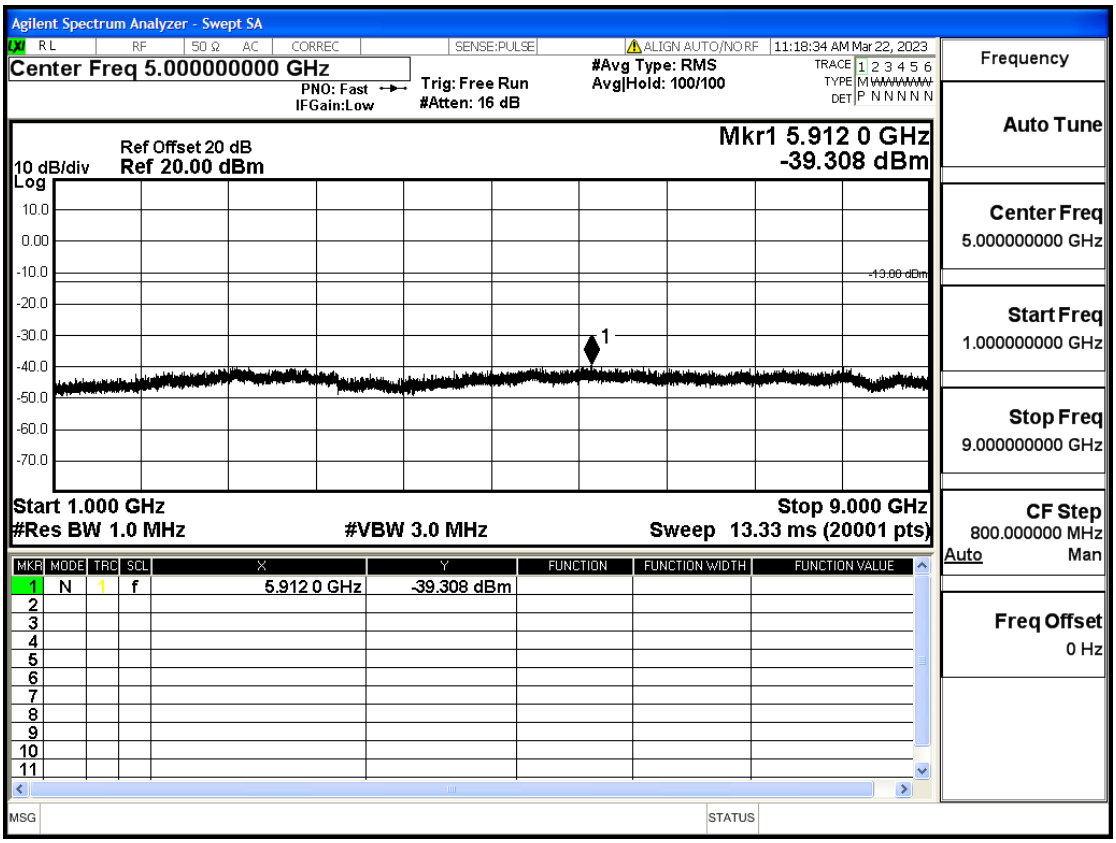
OB12-5-701.5-Q16-25#LOW@1GHz-9GHz@Pass



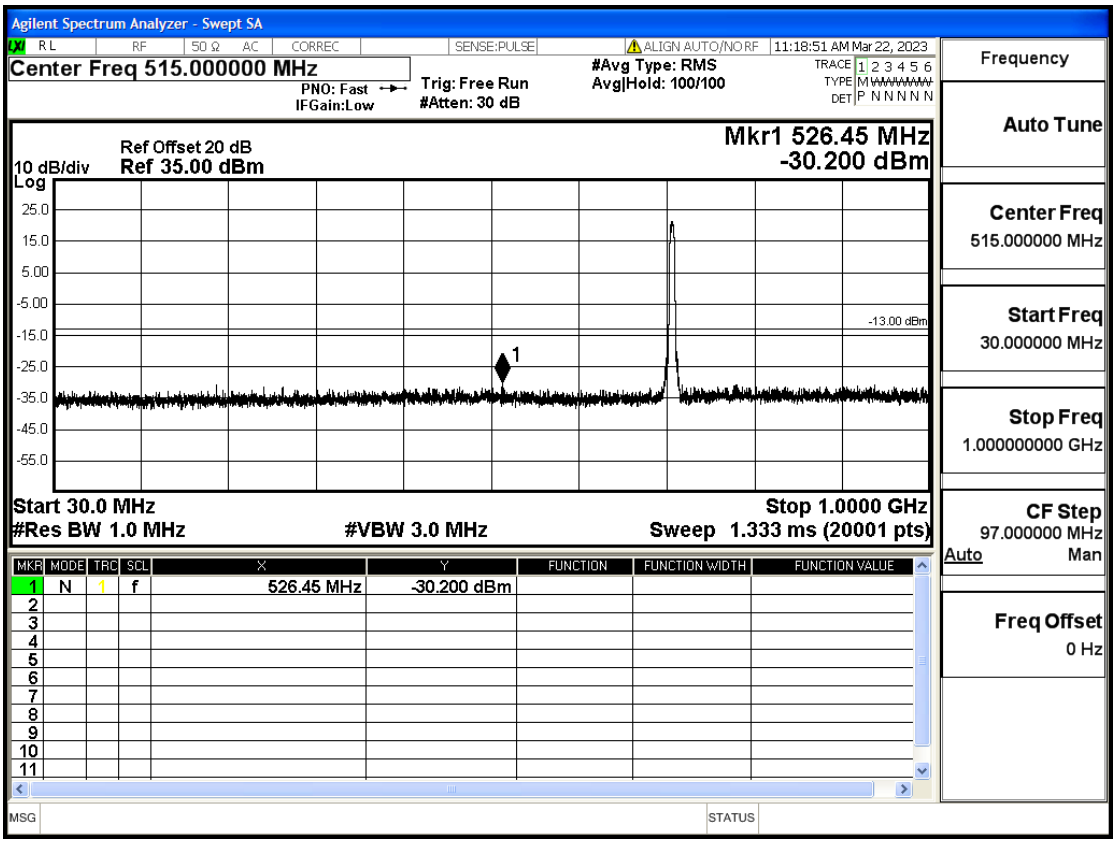
OB12-5-707.5-Q16-25#LOW@30mHz-1GHz@Pass



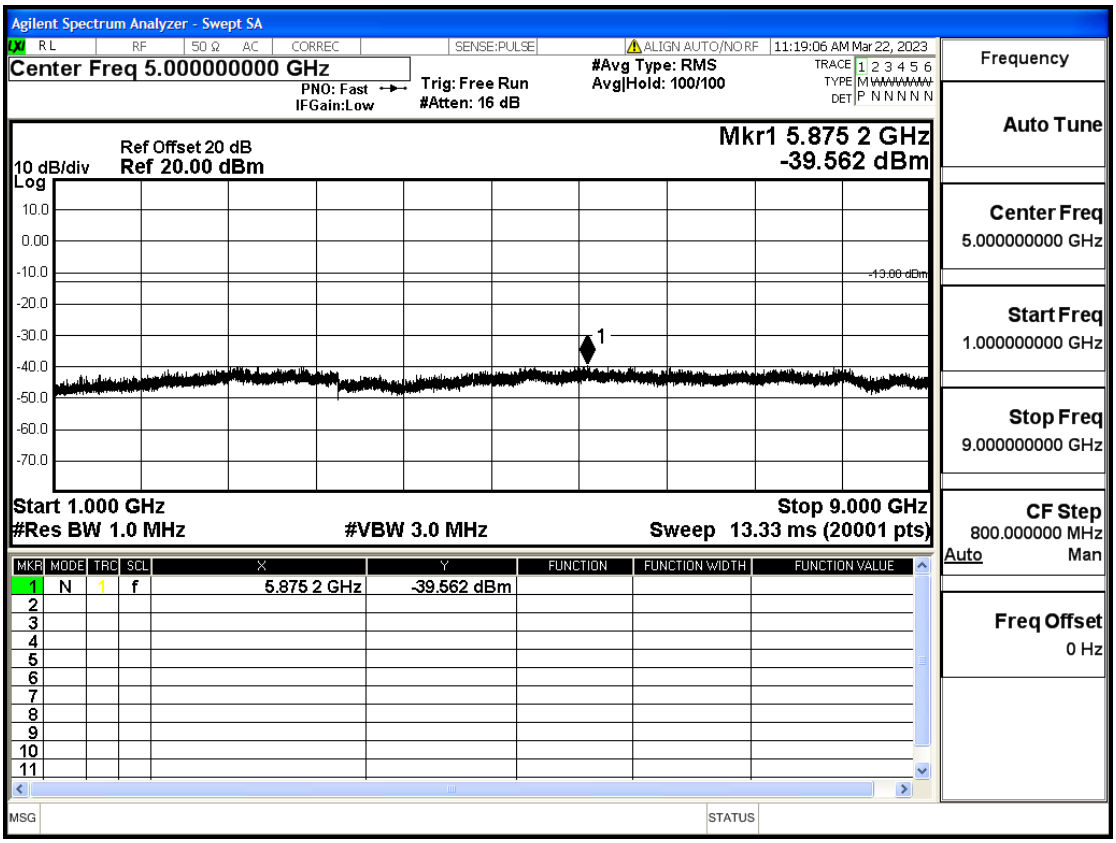
OB12-5-707.5-Q16-25#LOW@1GHz-9GHz@Pass



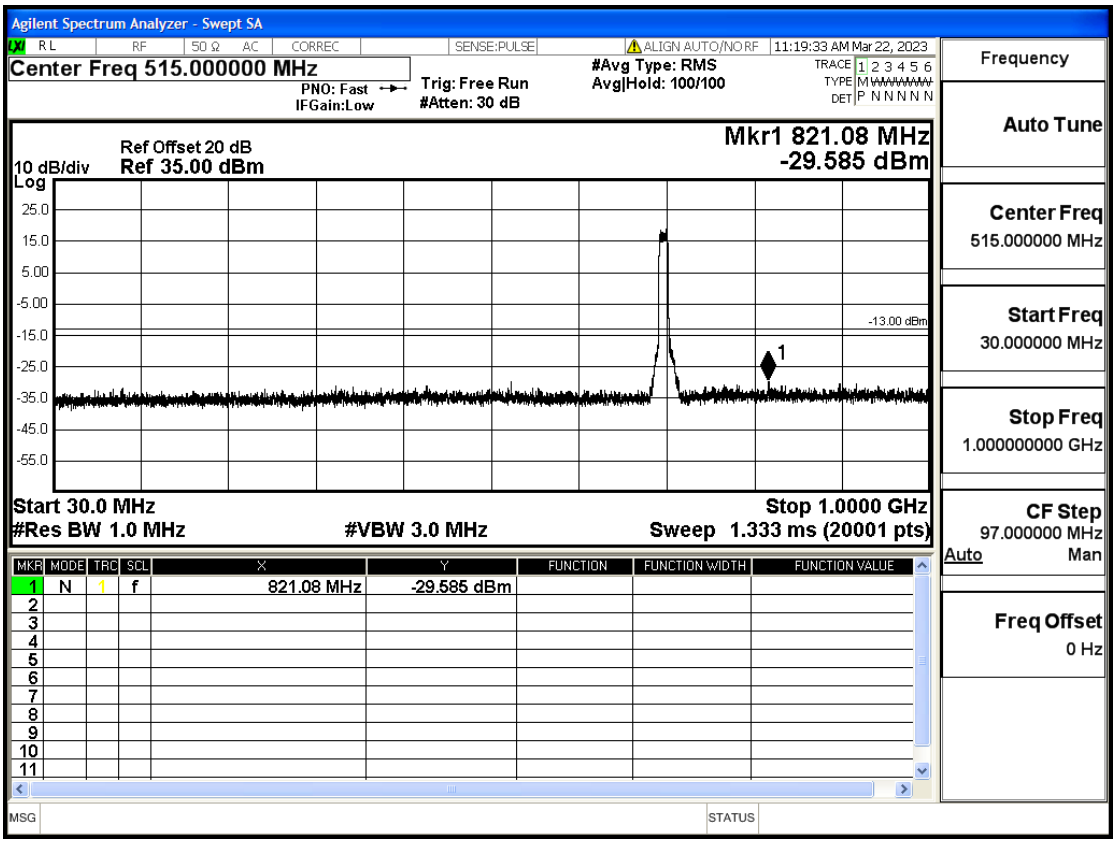
OB12-5-713.5-Q16-25#LOW@30mHz-1GHz@Pass



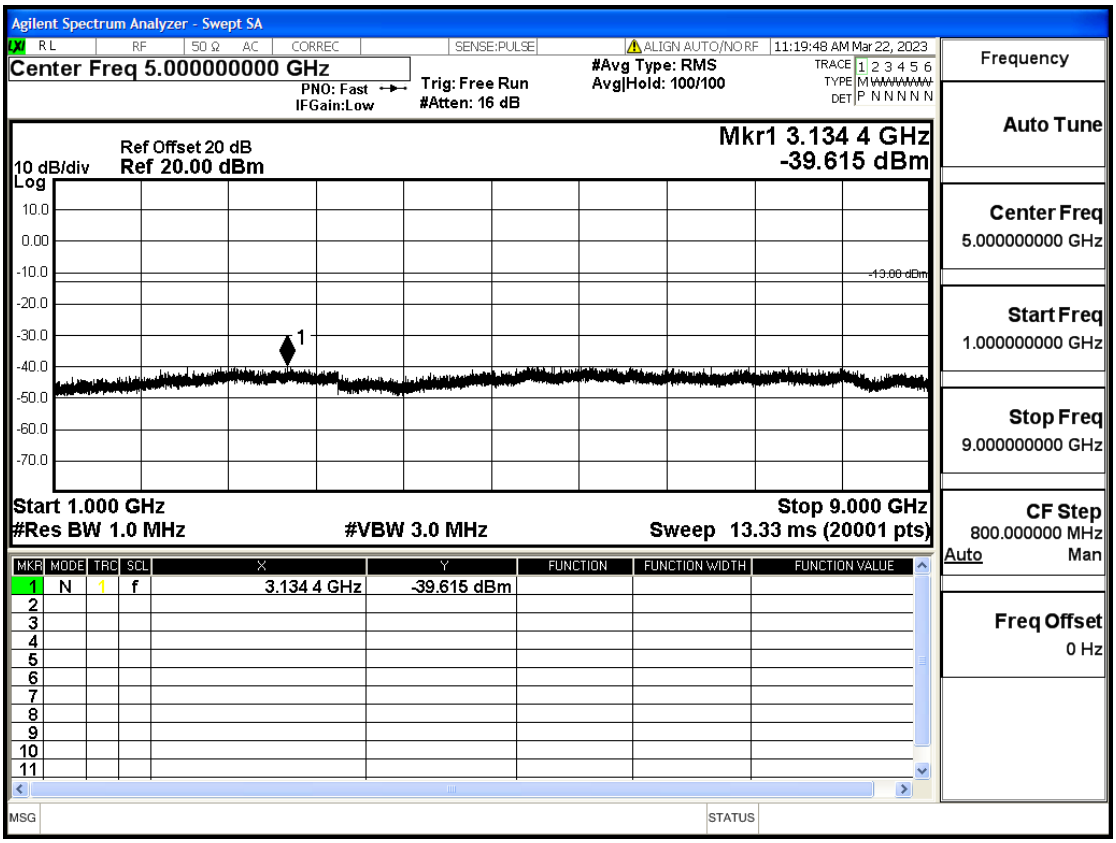
OB12-5-713.5-Q16-25#LOW@1GHz-9GHz@Pass



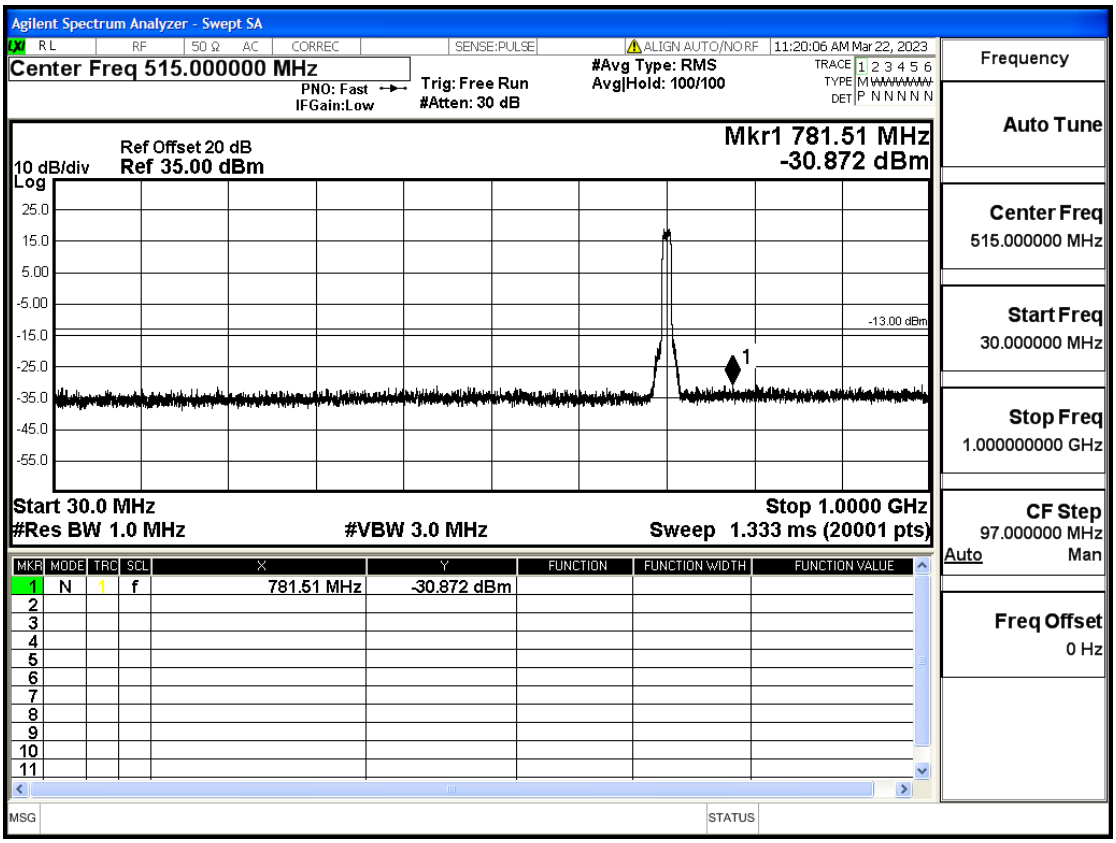
OB12-10-704-Q16-50#LOW@30mHz-1GHz@Pass



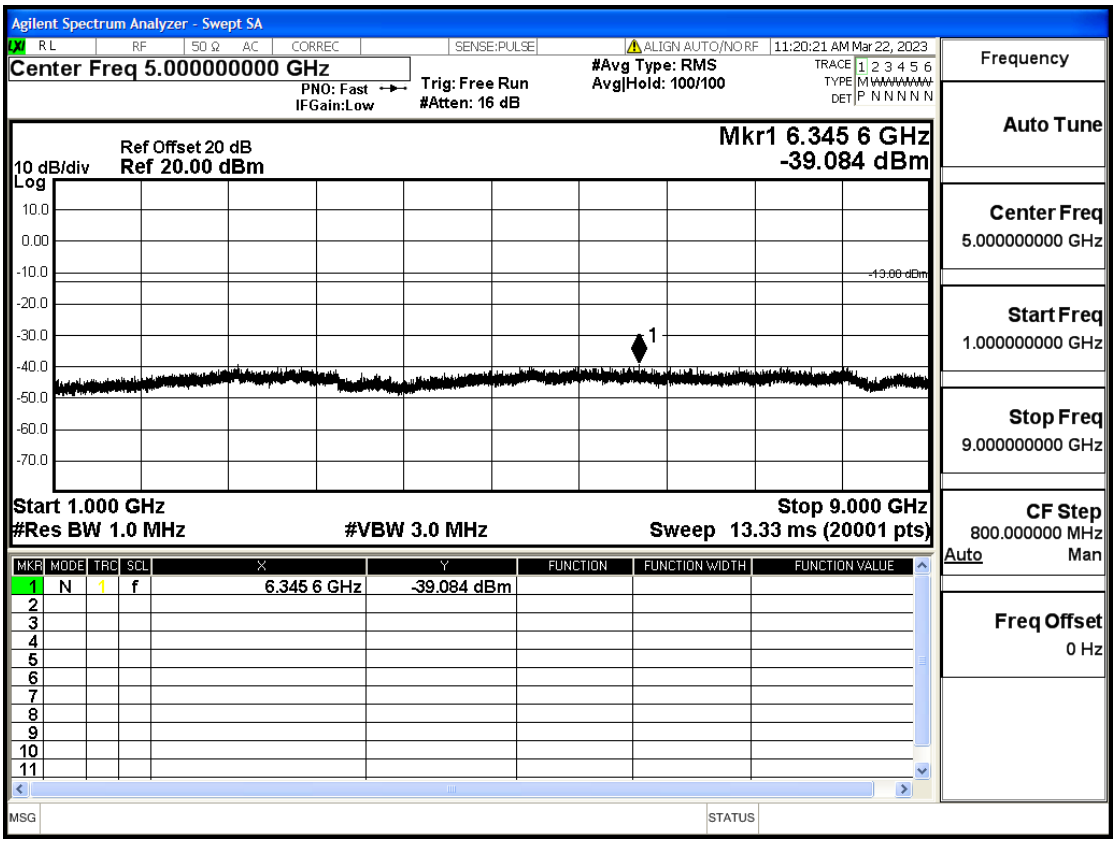
OB12-10-704-Q16-50#LOW@1GHz-9GHz@Pass



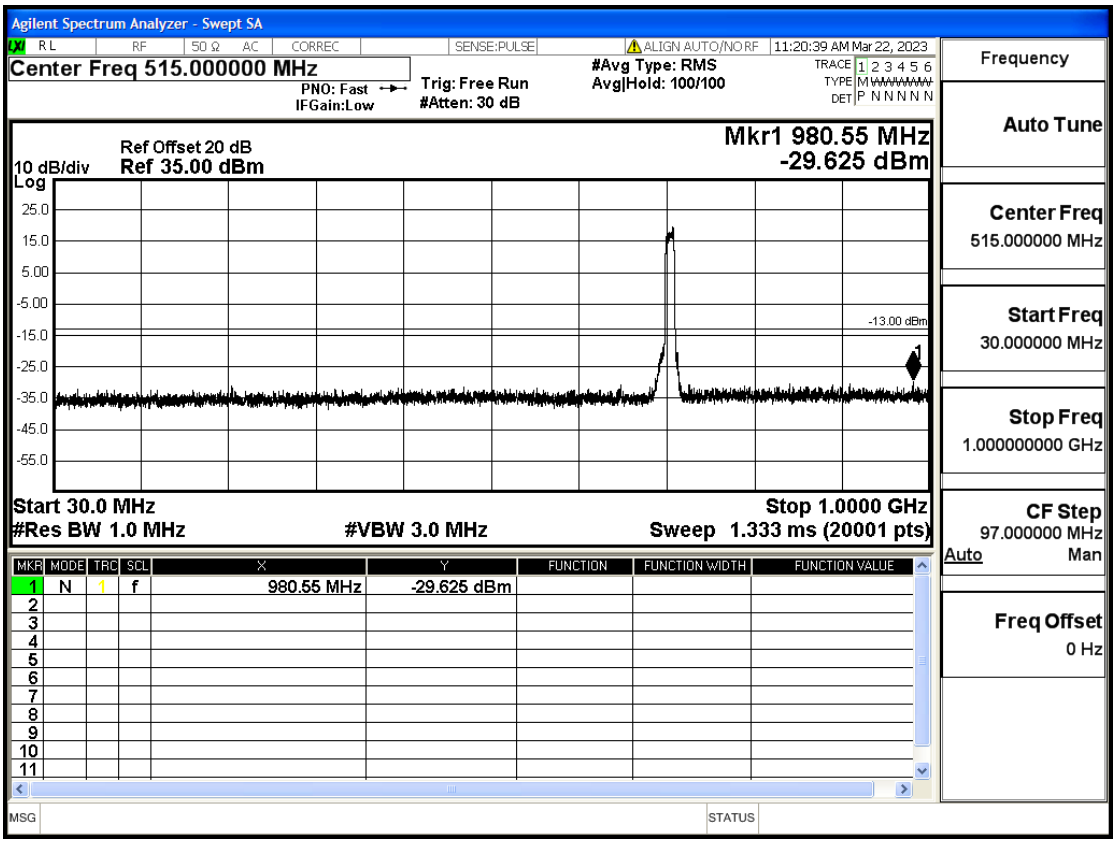
OB12-10-707.5-Q16-50#LOW@30mHz-1GHz@Pass



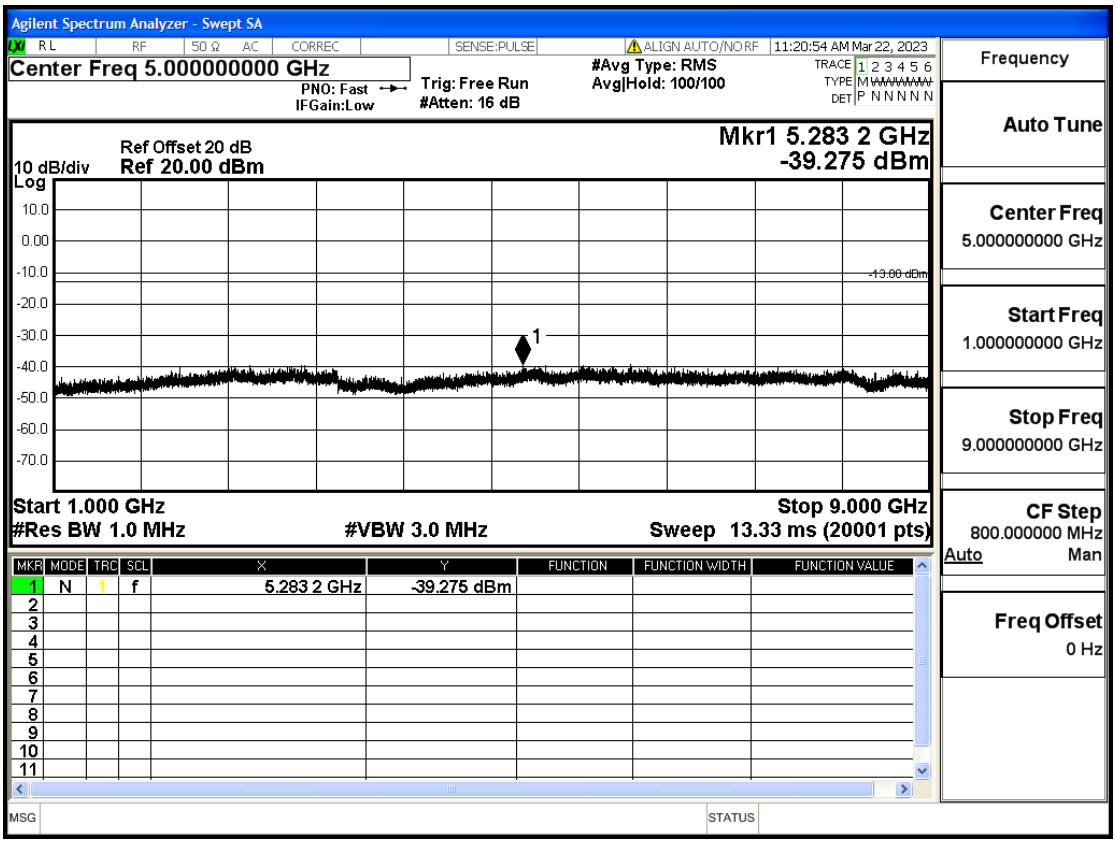
OB12-10-707.5-Q16-50#LOW@1GHz-9GHz@Pass



OB12-10-711-Q16-50#LOW@30mHz-1GHz@Pass



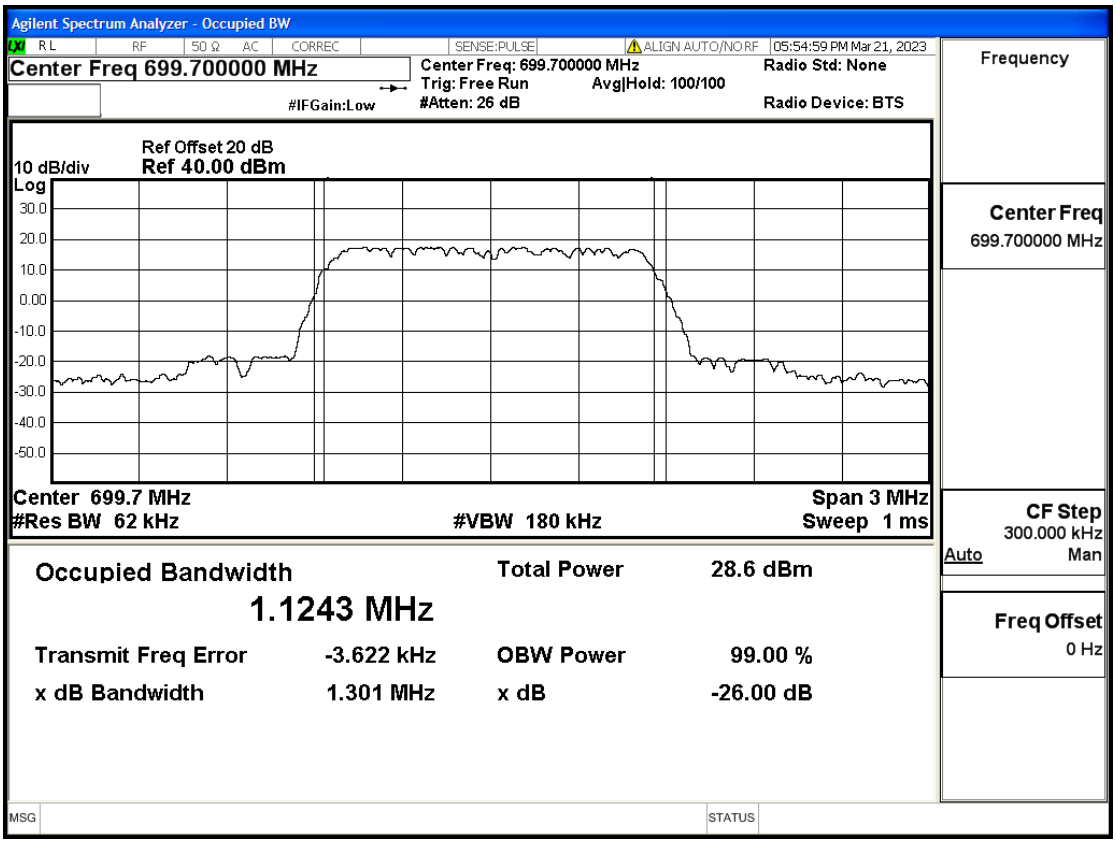
OB12-10-711-Q16-50#LOW@1GHz-9GHz@Pass



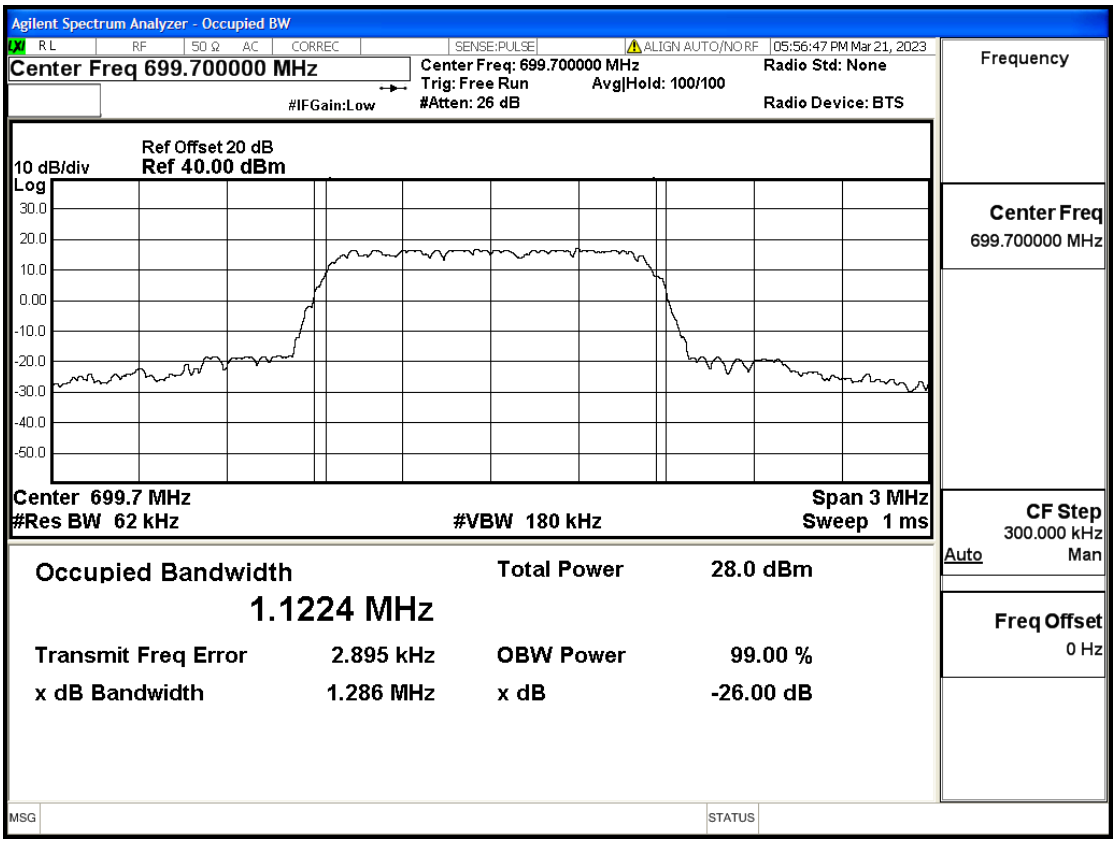
Emission bandwidth and OBW

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Occupied Bandwidth(KHz)	Emission Bandwidth(KHz)	Limit
Band12	1.4	699.7	QPSK	6	LOW	1124.3	1301	No limit
Band12	1.4	699.7	16QAM	6	LOW	1122.4	1286	No limit
Band12	1.4	707.5	QPSK	6	LOW	1112.2	1283	No limit
Band12	1.4	707.5	16QAM	6	LOW	1115	1283	No limit
Band12	1.4	715.3	QPSK	6	LOW	1109.7	1290	No limit
Band12	1.4	715.3	16QAM	6	LOW	1110.5	1307	No limit
Band12	3	700.5	QPSK	15	LOW	2751.2	3138	No limit
Band12	3	700.5	16QAM	15	LOW	2765.9	3108	No limit
Band12	3	707.5	QPSK	15	LOW	2762.6	3077	No limit
Band12	3	707.5	16QAM	15	LOW	2776.2	3130	No limit
Band12	3	714.5	QPSK	15	LOW	2778.1	3087	No limit
Band12	3	714.5	16QAM	15	LOW	2741.2	3062	No limit
Band12	5	701.5	QPSK	25	LOW	4598.2	5063	No limit
Band12	5	701.5	16QAM	25	LOW	4573.2	5055	No limit
Band12	5	707.5	QPSK	25	LOW	4562.6	5071	No limit
Band12	5	707.5	16QAM	25	LOW	4576.3	5046	No limit
Band12	5	713.5	QPSK	25	LOW	4568	5100	No limit
Band12	5	713.5	16QAM	25	LOW	4585.1	5126	No limit
Band12	10	704	QPSK	50	LOW	9093.2	9961	No limit
Band12	10	704	16QAM	50	LOW	9134	10140	No limit
Band12	10	707.5	QPSK	50	LOW	9124.7	10070	No limit
Band12	10	707.5	16QAM	50	LOW	9124.7	10070	No limit
Band12	10	711	QPSK	50	LOW	9110.5	10070	No limit
Band12	10	711	16QAM	50	LOW	9076	10180	No limit

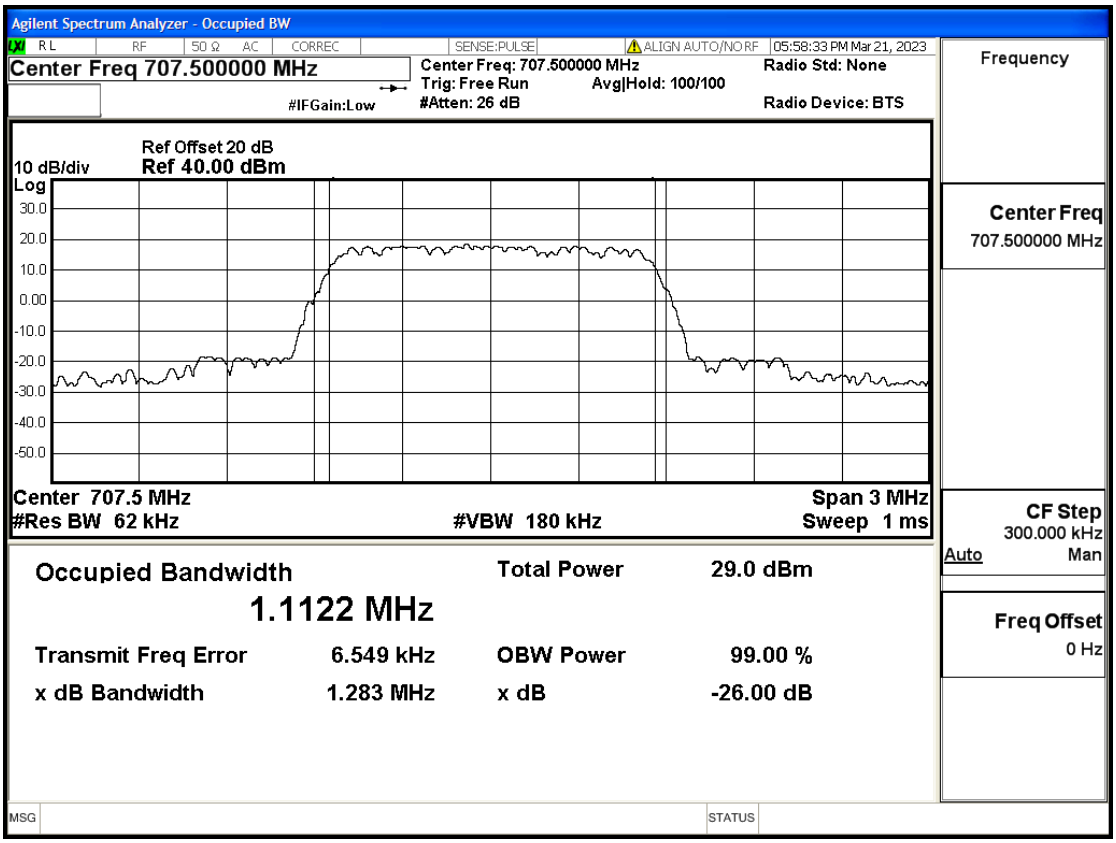
Band12-1.4-699.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



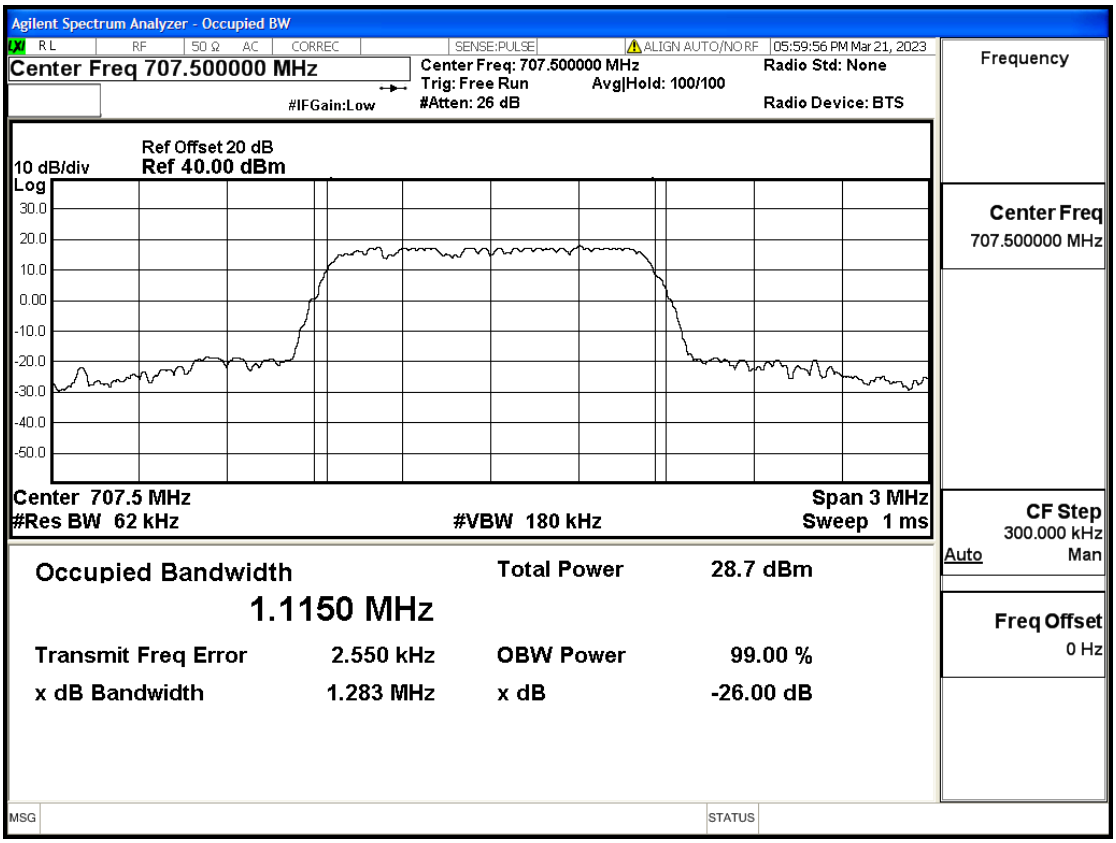
Band12-1.4-699.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



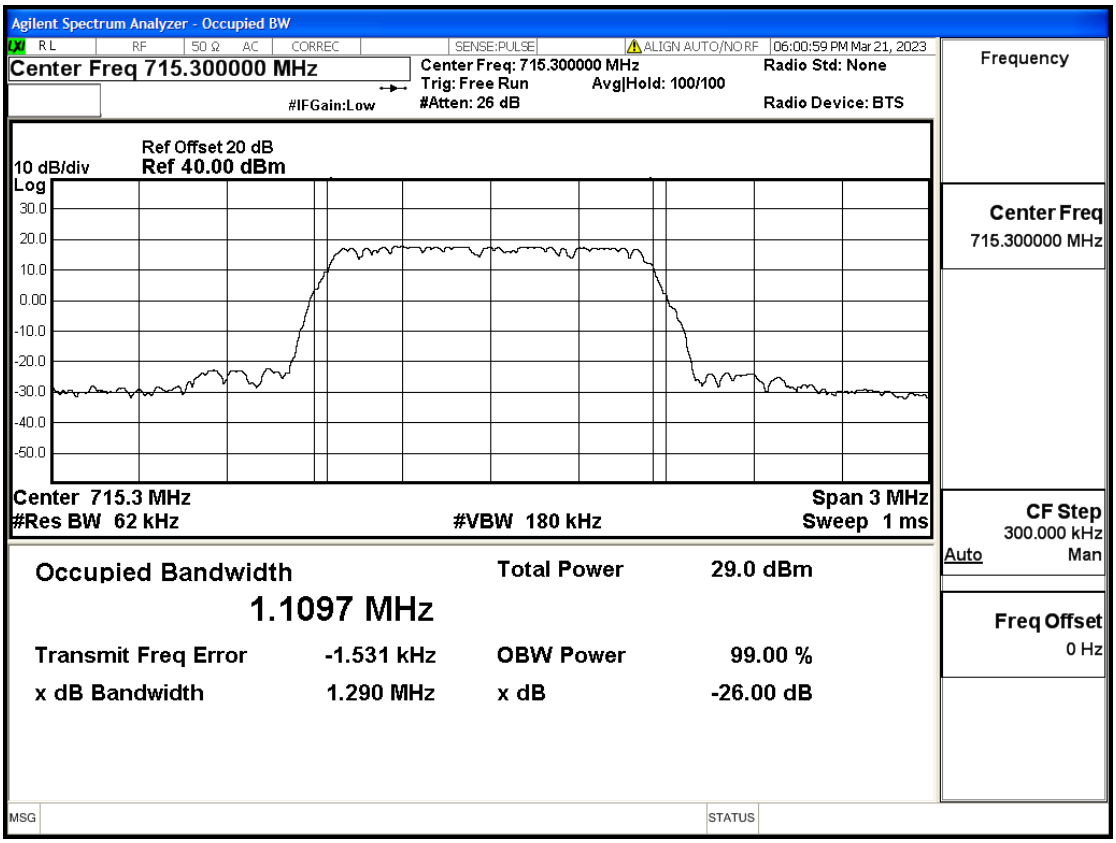
Band12-1.4-707.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



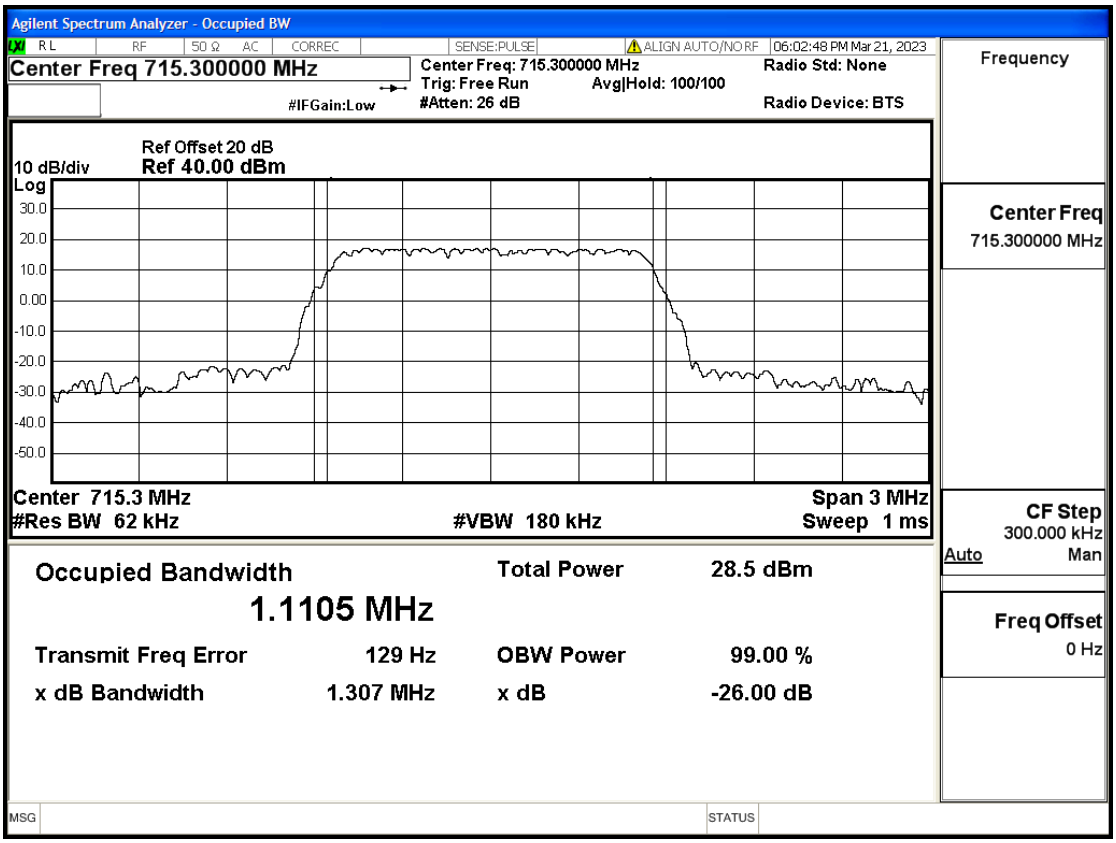
Band12-1.4-707.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



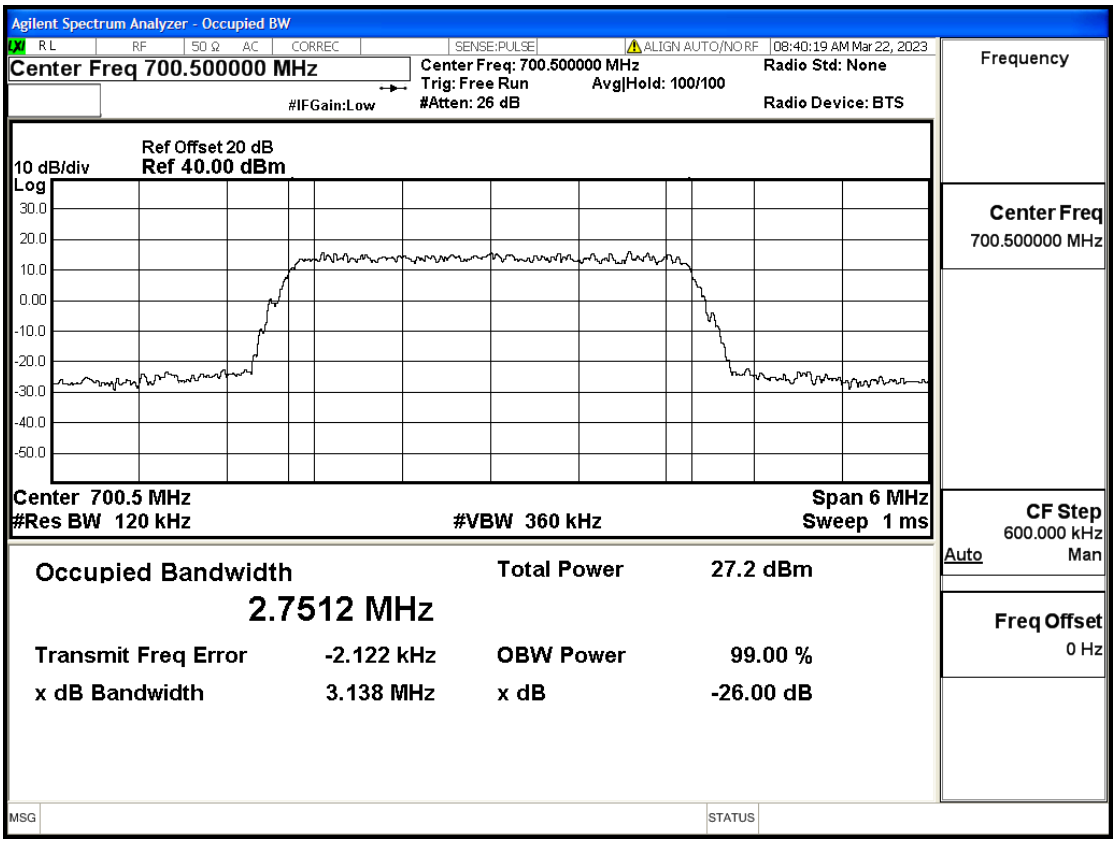
Band12-1.4-715.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



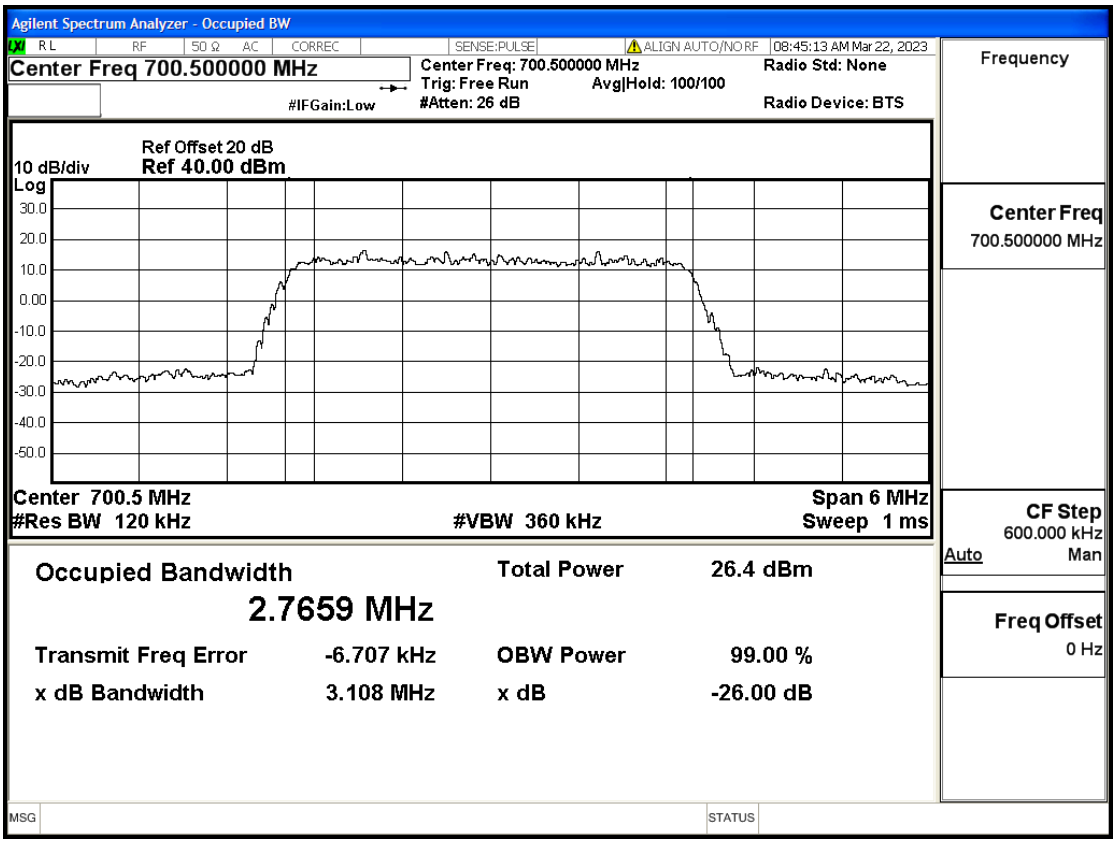
Band12-1.4-715.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



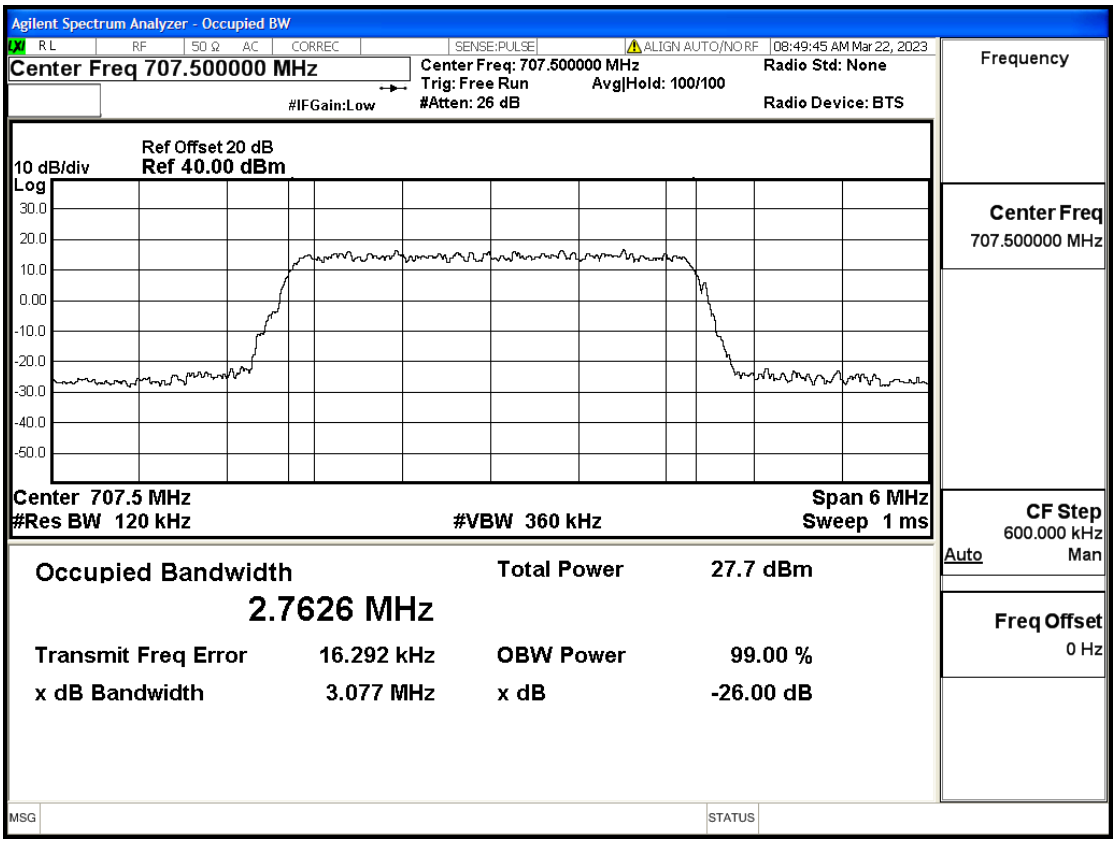
Band12-3-700.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



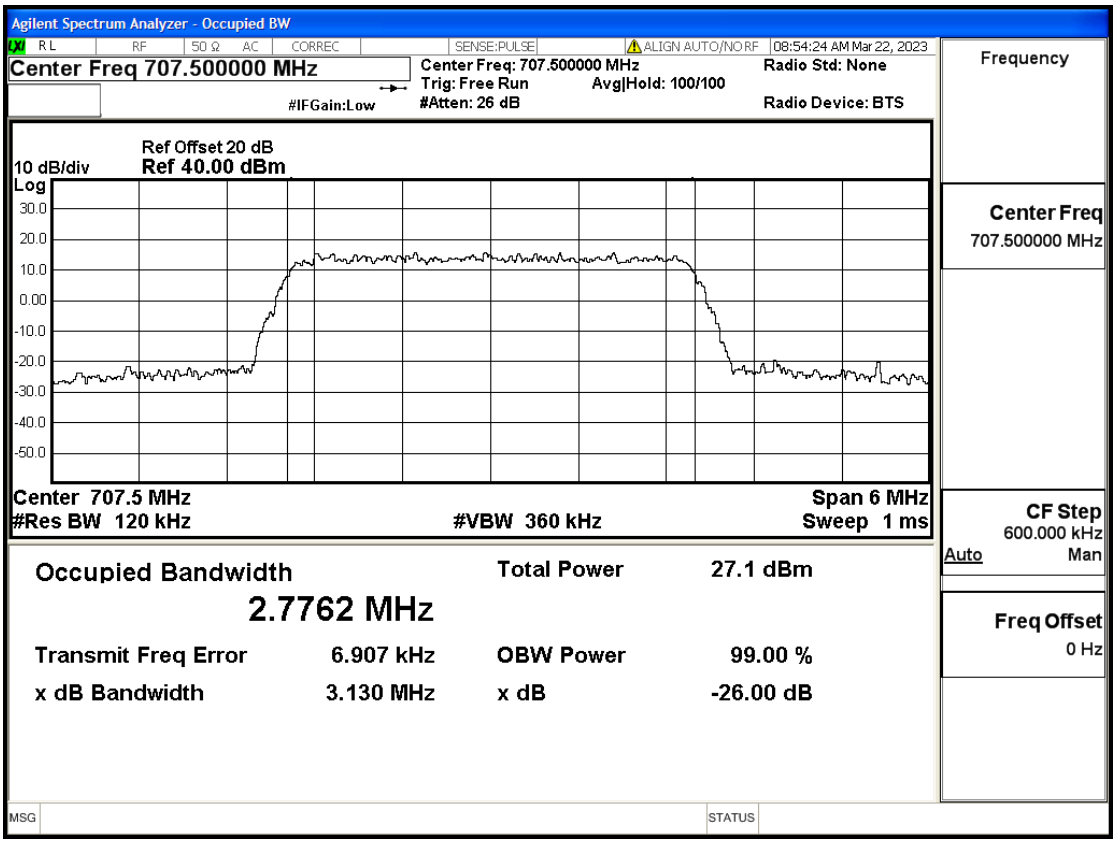
Band12-3-700.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



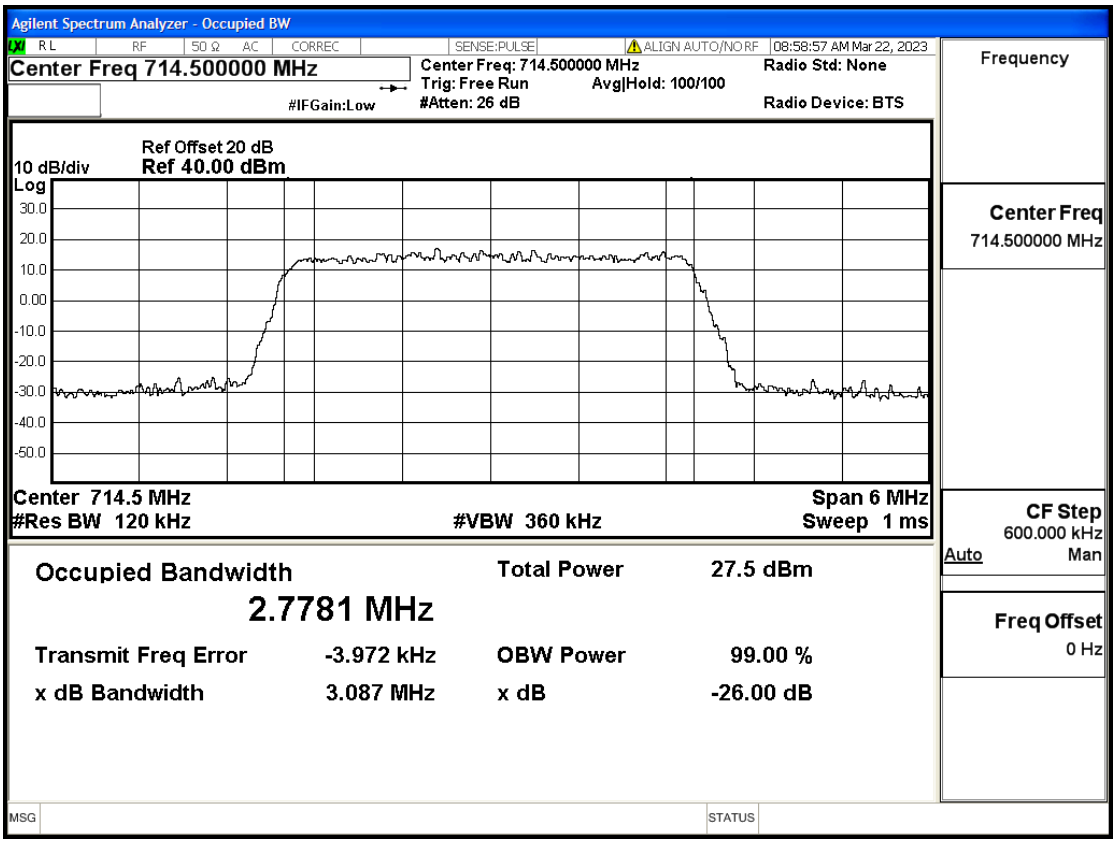
Band12-3-707.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



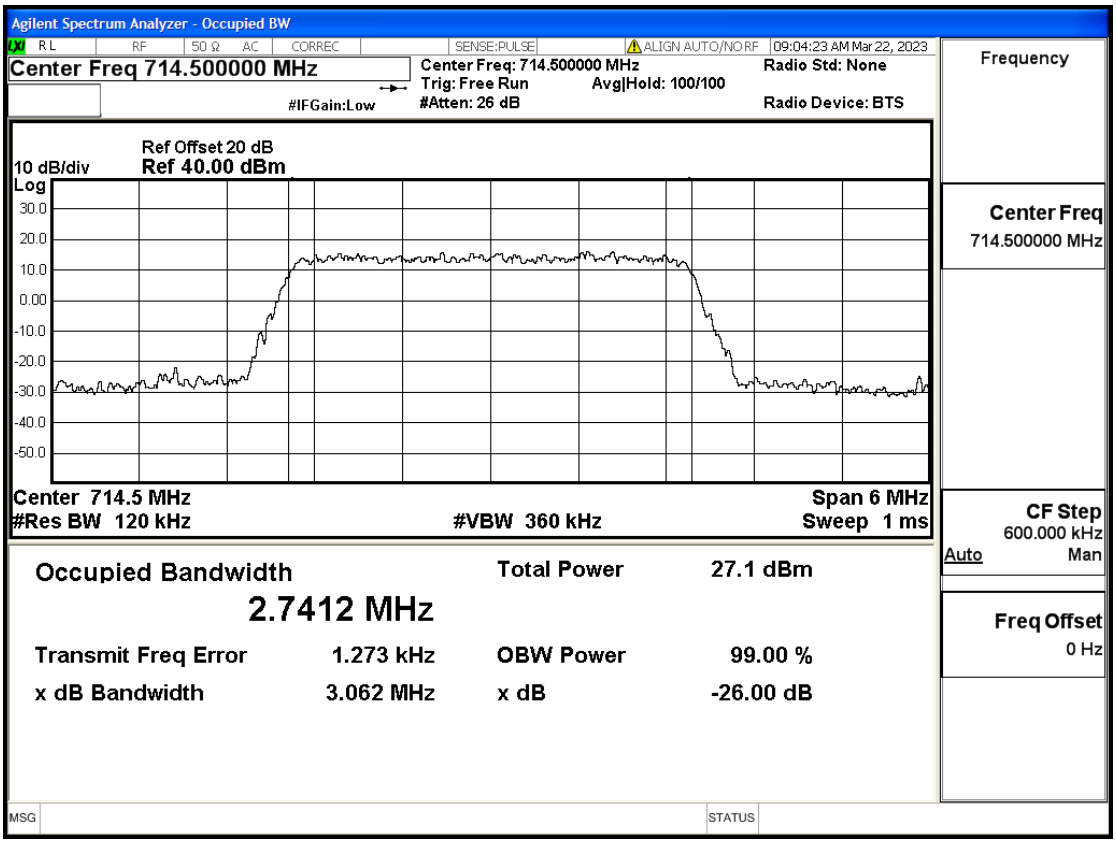
Band12-3-707.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



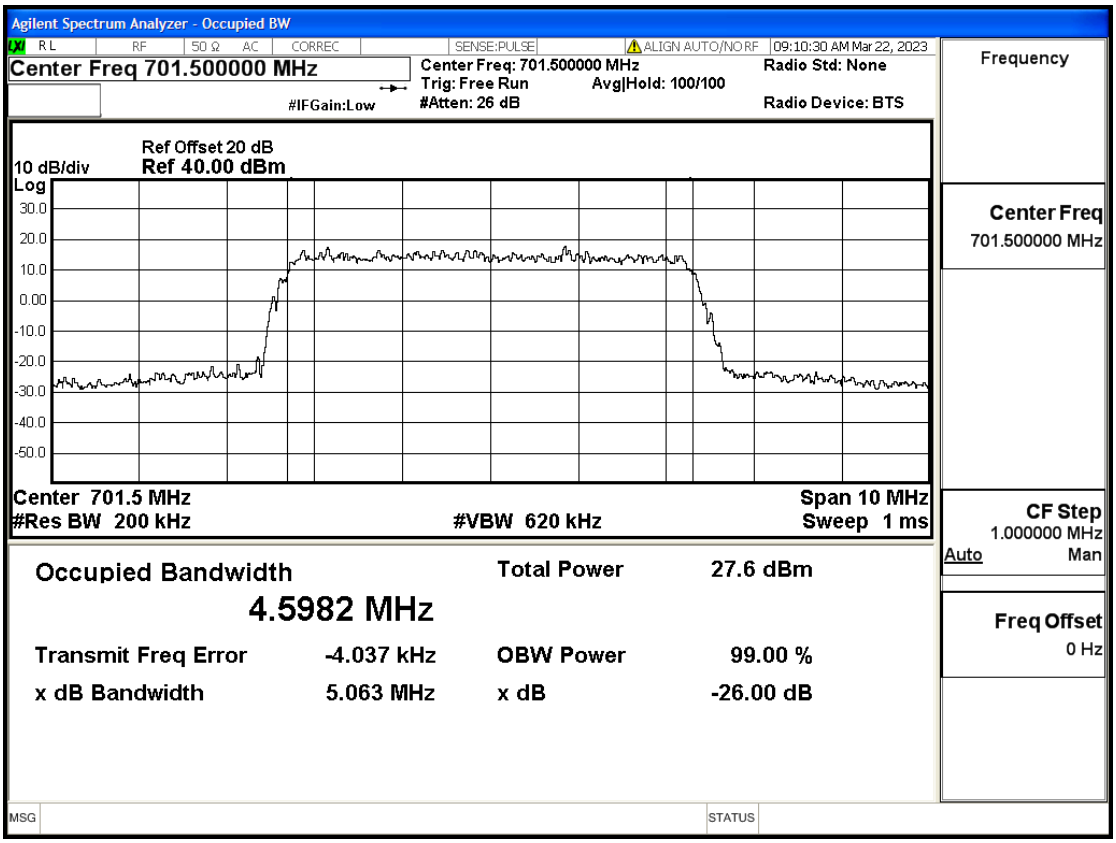
Band12-3-714.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



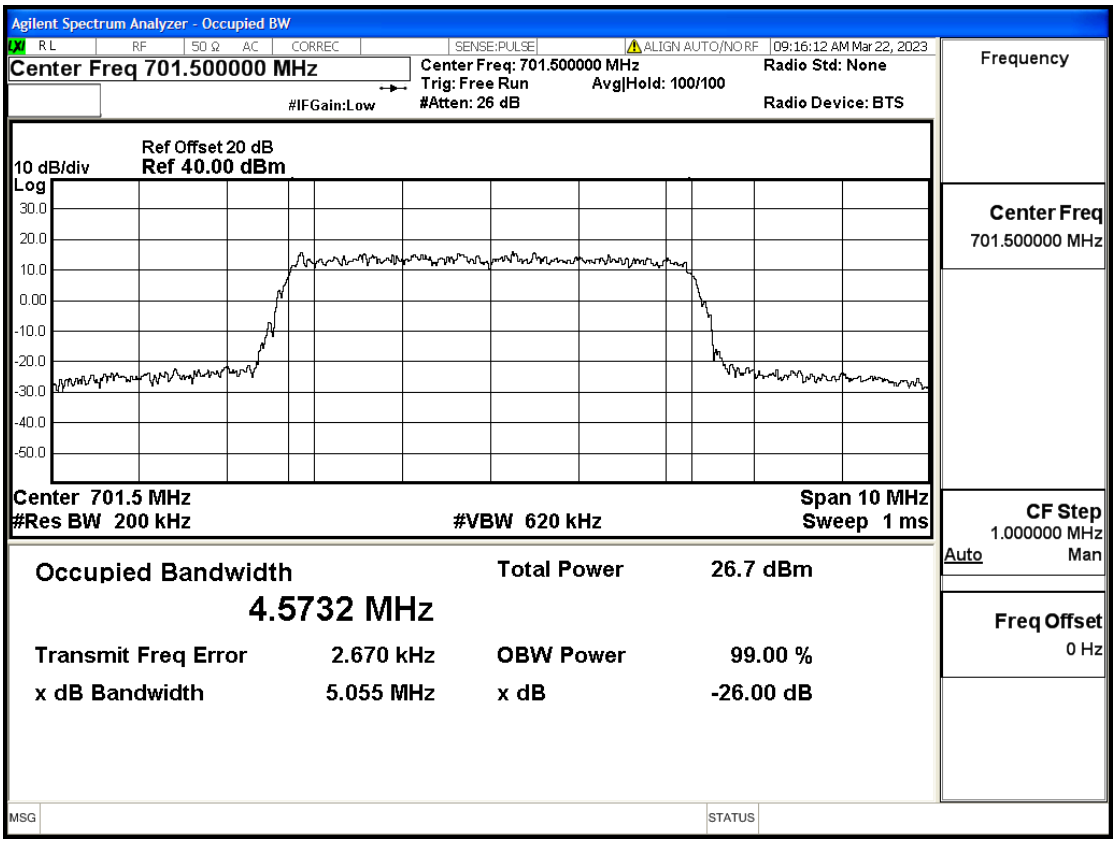
Band12-3-714.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



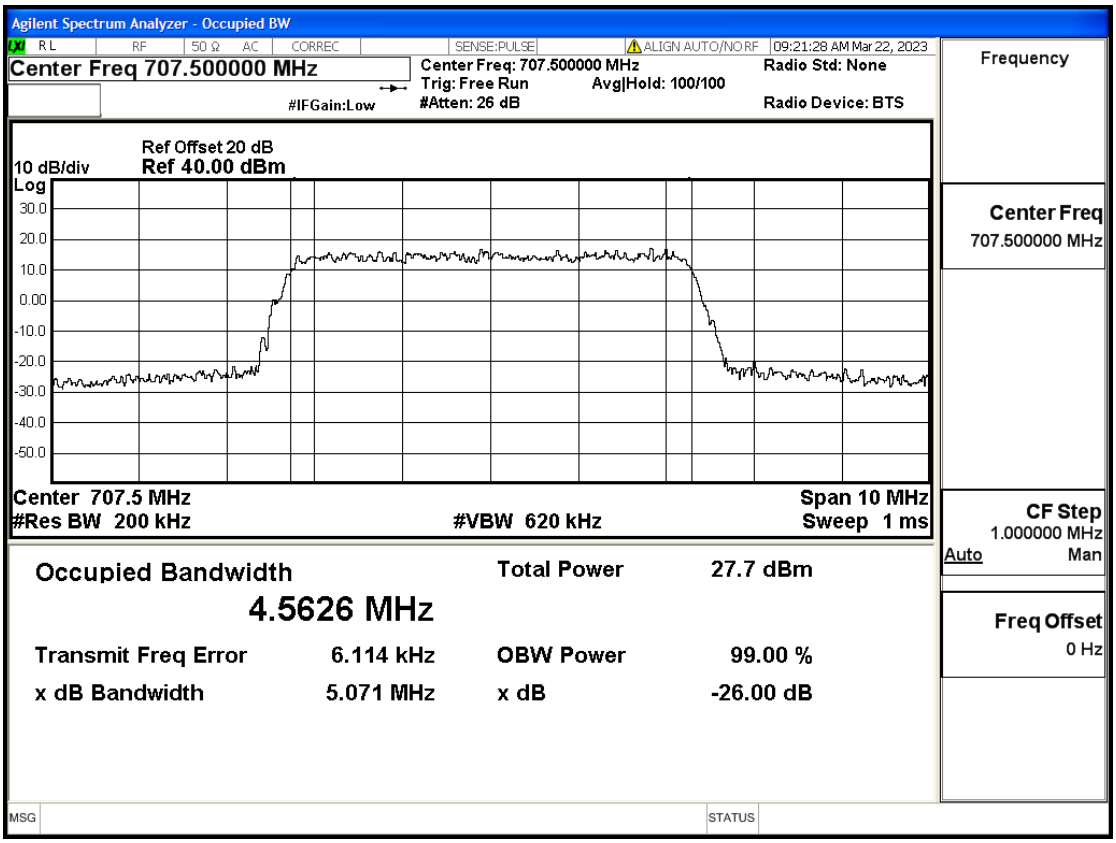
Band12-5-701.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



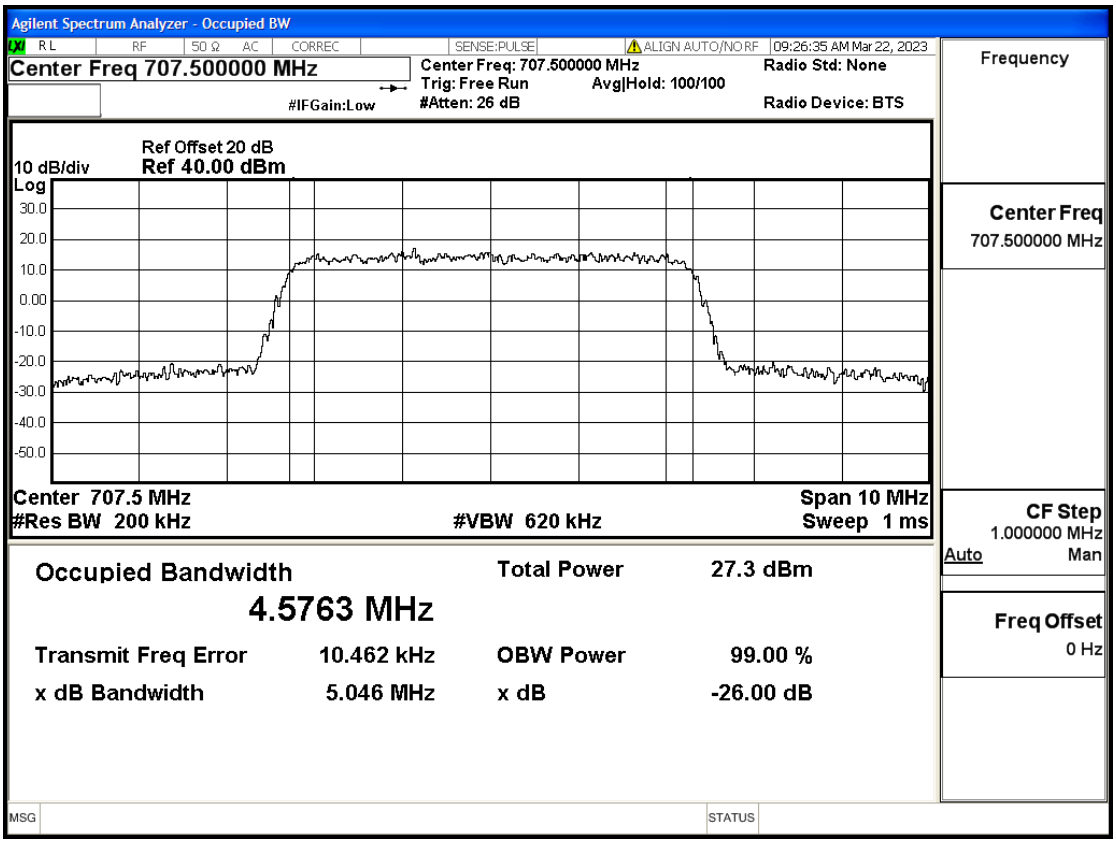
Band12-5-701.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



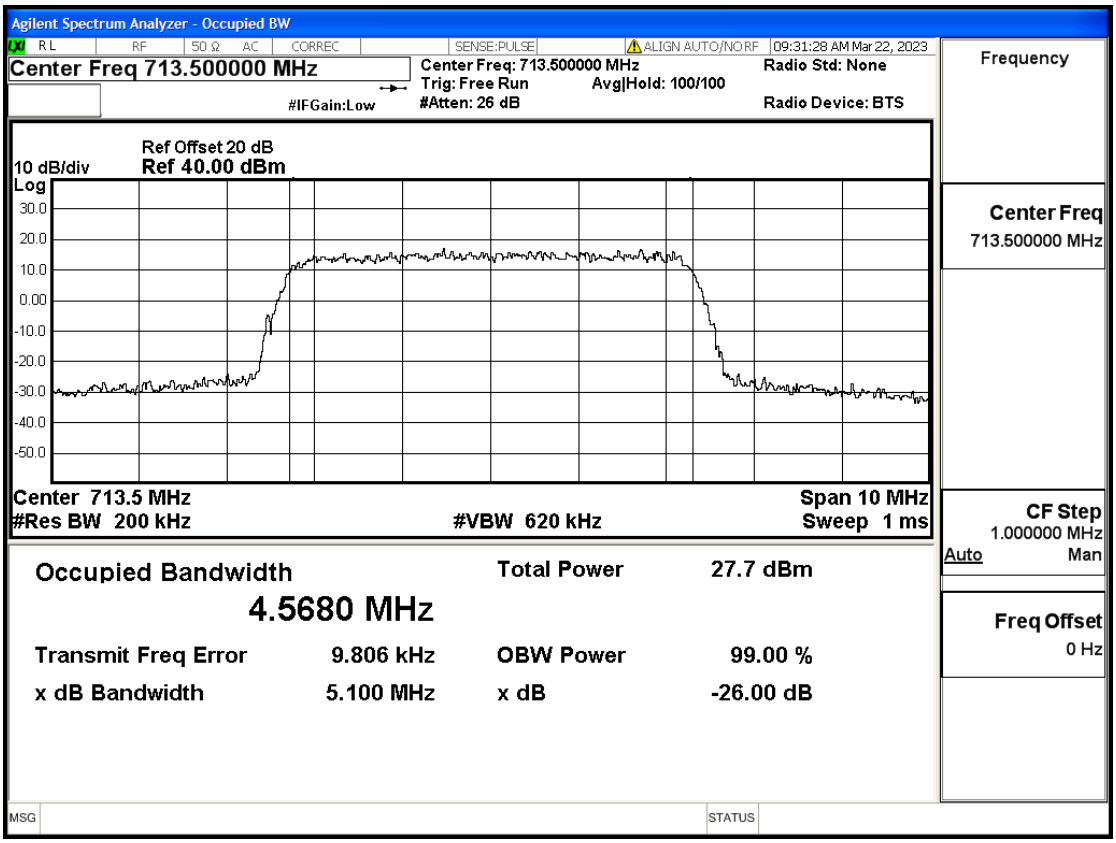
Band12-5-707.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



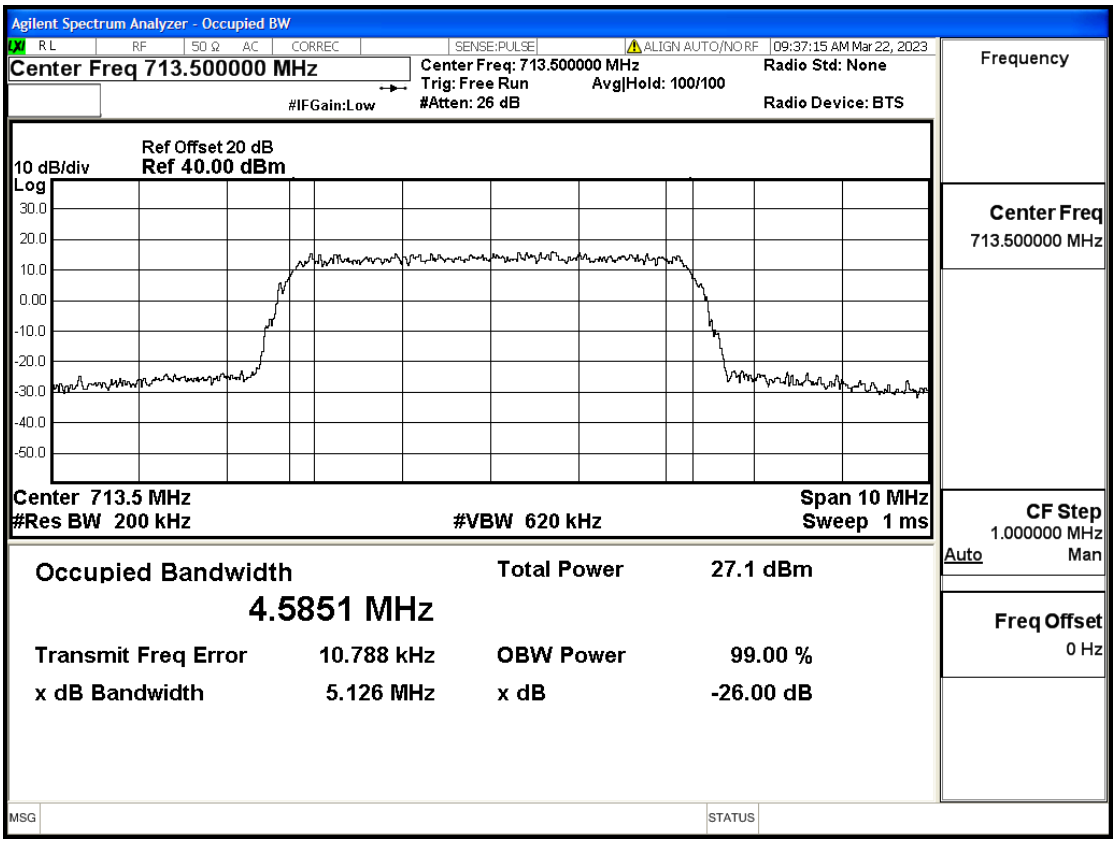
Band12-5-707.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



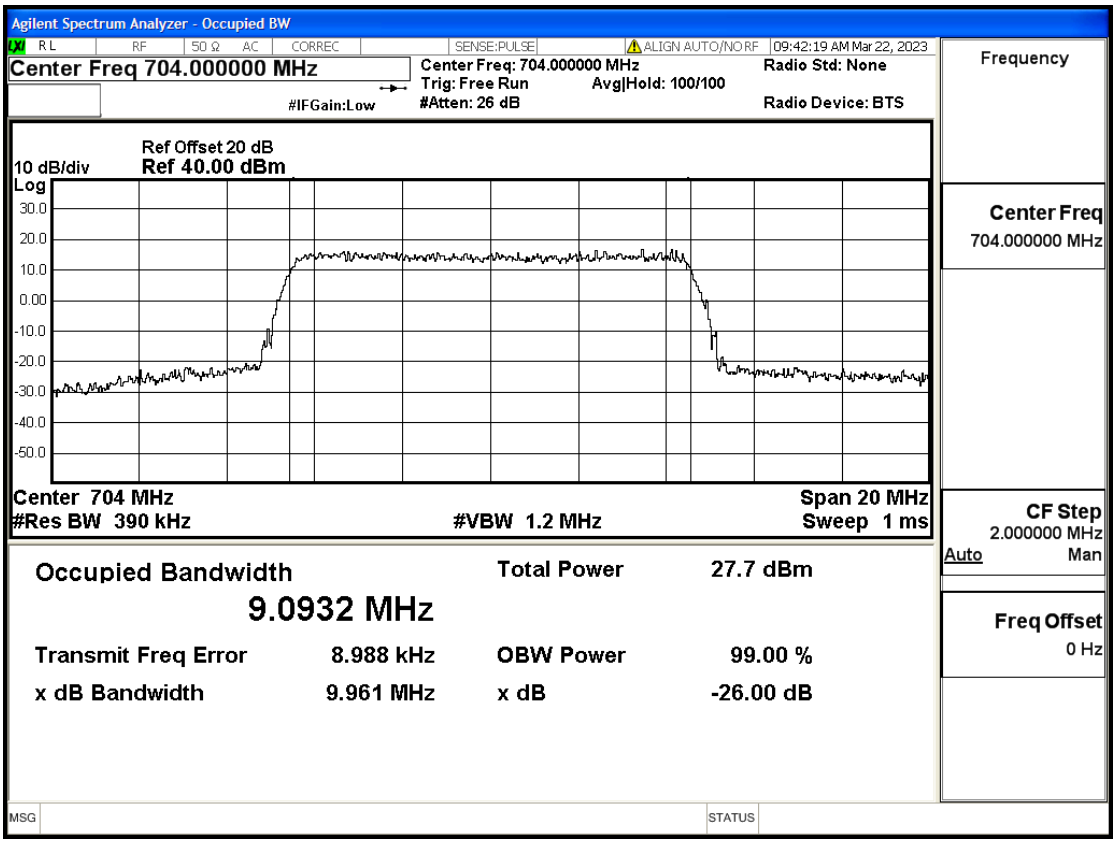
Band12-5-713.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



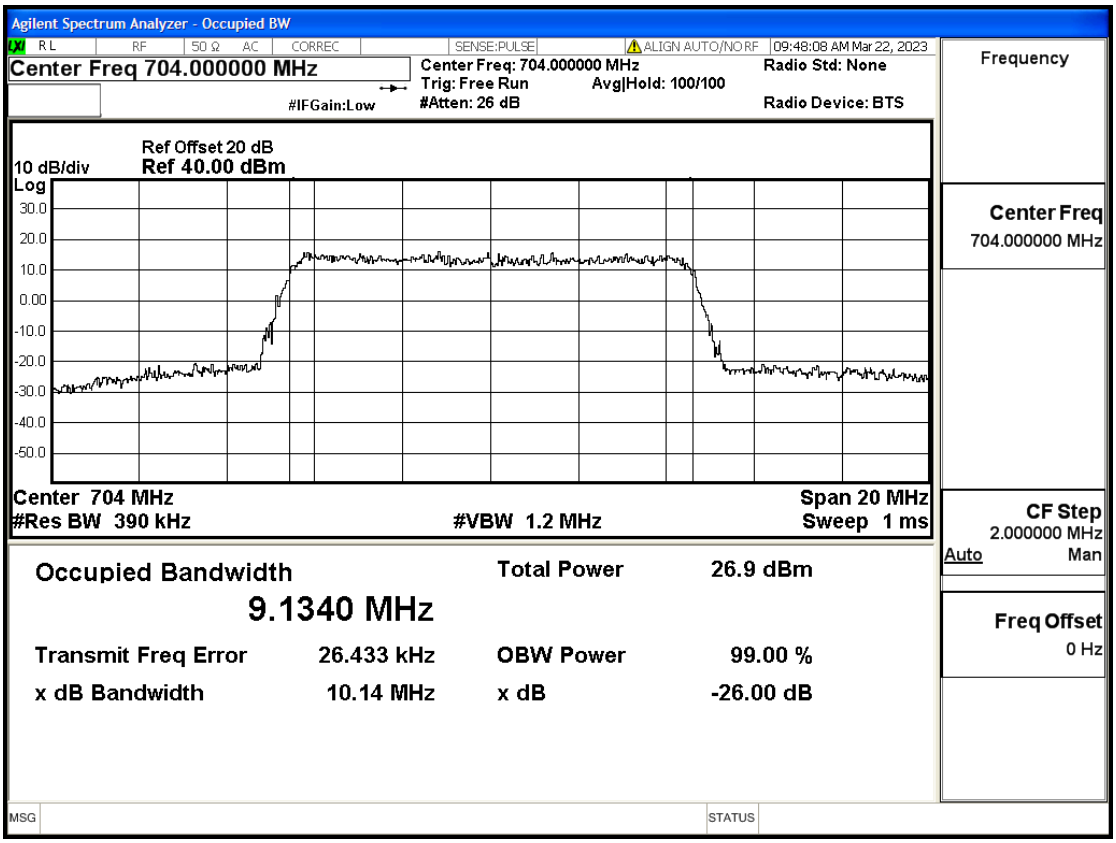
Band12-5-713.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



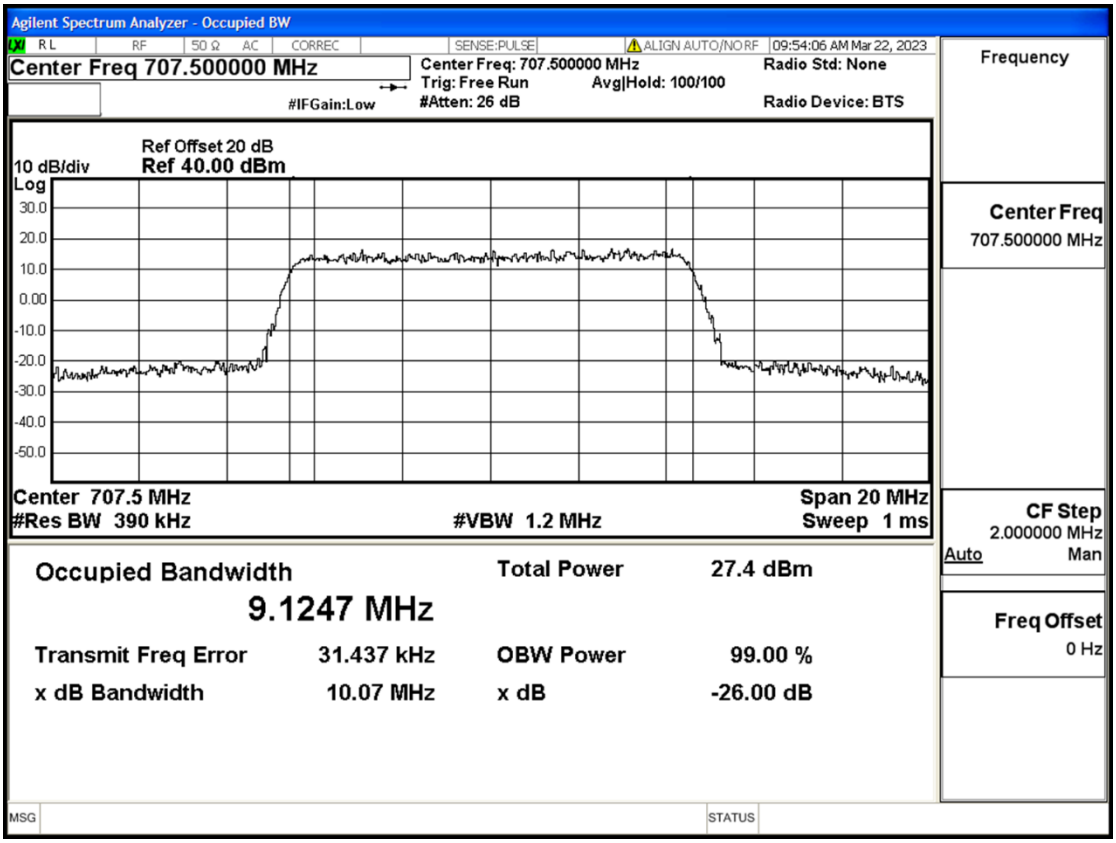
Band12-10-704-QPSK-50#LOW@26dB and 99PCT Bandwidth



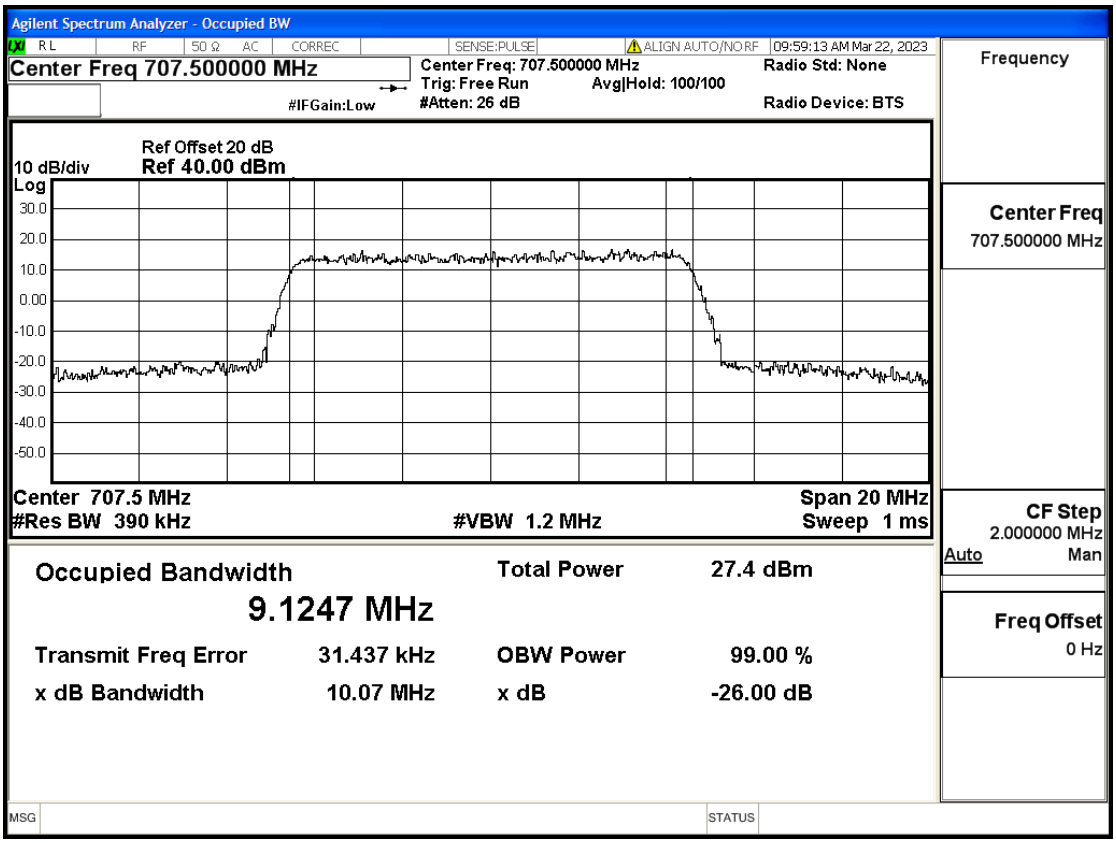
Band12-10-704-16QAM-50#LOW@26dB and 99PCT Bandwidth



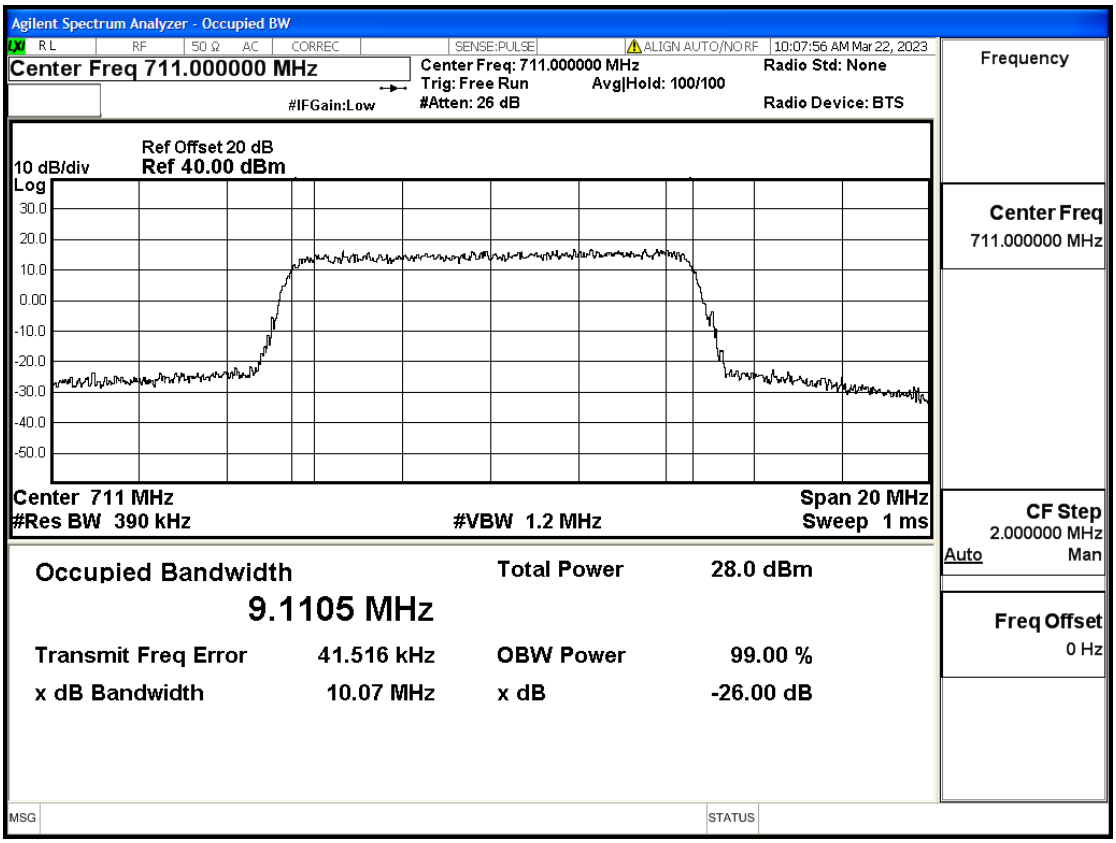
Band12-10-707.5-QPSK-50#LOW@26dB and 99PCT Bandwidth



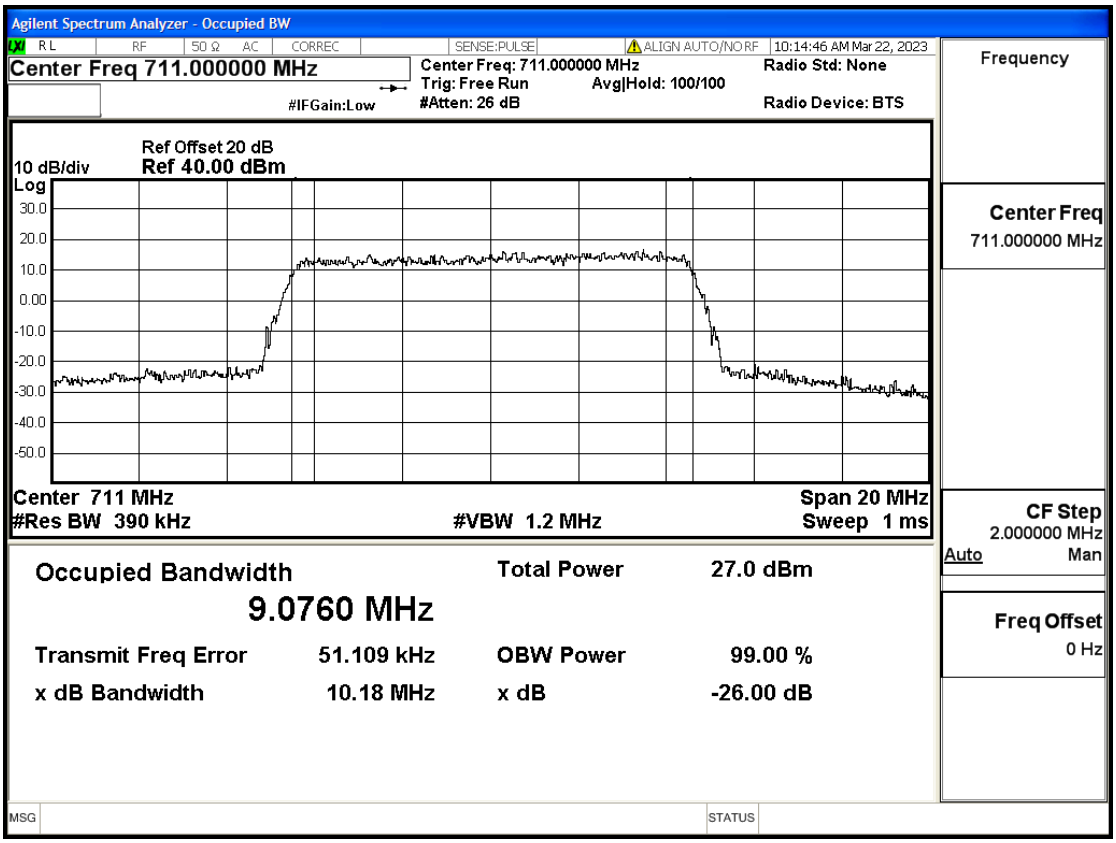
Band12-10-707.5-16QAM-50#LOW@26dB and 99PCT Bandwidth



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	0.0687	PASS
40	Normal Voltage	0.0329	
30	Normal Voltage	0.0198	
20(Ref.)	Normal Voltage	0.0268	
10	Normal Voltage	0.0638	
0	Normal Voltage	0.0165	
-10	Normal Voltage	0.0492	
-20	Normal Voltage	0.0398	
-30	Normal Voltage	0.0179	
20	Maximum Voltage	0.0166	
20	Normal Voltage	0.0272	
20	Battery End Point	0.0654	

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	21.94	28.62	6.68	13	-1.42	18.37	34.8	Pass
Band12	1.4	699.7	QPSK	3	LOW	23.06	29.1	6.04	13	-1.42	19.49	34.8	Pass
Band12	1.4	699.7	QPSK	3	MID	23.03	29.1	6.07	13	-1.42	19.46	34.8	Pass
Band12	1.4	699.7	QPSK	3	HIGH	23.07	29.08	6.01	13	-1.42	19.5	34.8	Pass
Band12	1.4	699.7	QPSK	1	LOW	23.12	28.69	5.57	13	-1.42	19.55	34.8	Pass
Band12	1.4	699.7	QPSK	1	MID	23.07	28.79	5.72	13	-1.42	19.5	34.8	Pass
Band12	1.4	699.7	QPSK	1	HIGH	23.06	28.85	5.79	13	-1.42	19.49	34.8	Pass
Band12	1.4	699.7	16QAM	6	LOW	21.15	28.16	7.01	13	-1.42	17.58	34.8	Pass
Band12	1.4	699.7	16QAM	3	LOW	22.17	28.37	6.2	13	-1.42	18.6	34.8	Pass
Band12	1.4	699.7	16QAM	3	MID	22.16	28.41	6.25	13	-1.42	18.59	34.8	Pass
Band12	1.4	699.7	16QAM	3	HIGH	22.13	28.46	6.33	13	-1.42	18.56	34.8	Pass
Band12	1.4	699.7	16QAM	1	LOW	22.47	28.33	5.86	13	-1.42	18.9	34.8	Pass
Band12	1.4	699.7	16QAM	1	MID	22.55	28.49	5.94	13	-1.42	18.98	34.8	Pass
Band12	1.4	699.7	16QAM	1	HIGH	22.59	28.57	5.98	13	-1.42	19.02	34.8	Pass
Band12	1.4	707.5	QPSK	6	LOW	22.16	28.06	5.9	13	-1.42	18.59	34.8	Pass
Band12	1.4	707.5	QPSK	3	LOW	23.14	28.87	5.73	13	-1.42	19.57	34.8	Pass
Band12	1.4	707.5	QPSK	3	MID	23.12	28.86	5.74	13	-1.42	19.55	34.8	Pass
Band12	1.4	707.5	QPSK	3	HIGH	23.12	28.81	5.69	13	-1.42	19.55	34.8	Pass
Band12	1.4	707.5	QPSK	1	LOW	23.29	28.61	5.32	13	-1.42	19.72	34.8	Pass
Band12	1.4	707.5	QPSK	1	MID	23.39	28.6	5.21	13	-1.42	19.82	34.8	Pass
Band12	1.4	707.5	QPSK	1	HIGH	23.26	28.55	5.29	13	-1.42	19.69	34.8	Pass
Band12	1.4	707.5	16QAM	6	LOW	21.79	29.27	7.48	13	-1.42	18.22	34.8	Pass
Band12	1.4	707.5	16QAM	3	LOW	22.38	28.91	6.53	13	-1.42	18.81	34.8	Pass
Band12	1.4	707.5	16QAM	3	MID	22.22	28.89	6.67	13	-1.42	18.65	34.8	Pass
Band12	1.4	707.5	16QAM	3	HIGH	22.25	28.94	6.69	13	-1.42	18.68	34.8	Pass
Band12	1.4	707.5	16QAM	1	LOW	23.16	28.14	4.98	13	-1.42	19.59	34.8	Pass
Band12	1.4	707.5	16QAM	1	MID	23.09	28.01	4.92	13	-1.42	19.52	34.8	Pass
Band12	1.4	707.5	16QAM	1	HIGH	23.08	28	4.92	13	-1.42	19.51	34.8	Pass
Band12	1.4	715.3	QPSK	6	LOW	21.96	27.94	5.98	13	-1.42	18.39	34.8	Pass
Band12	1.4	715.3	QPSK	3	LOW	23.1	28.73	5.63	13	-1.42	19.53	34.8	Pass
Band12	1.4	715.3	QPSK	3	MID	23.09	28.75	5.66	13	-1.42	19.52	34.8	Pass
Band12	1.4	715.3	QPSK	3	HIGH	23.17	28.76	5.59	13	-1.42	19.6	34.8	Pass
Band12	1.4	715.3	QPSK	1	LOW	23.13	28.18	5.05	13	-1.42	19.56	34.8	Pass
Band12	1.4	715.3	QPSK	1	MID	23.27	28.35	5.08	13	-1.42	19.7	34.8	Pass
Band12	1.4	715.3	QPSK	1	HIGH	23.15	28.34	5.19	13	-1.42	19.58	34.8	Pass
Band12	1.4	715.3	16QAM	6	LOW	23.31	28.07	4.76	13	-1.42	19.74	34.8	Pass
Band12	1.4	715.3	16QAM	3	LOW	22	28.56	6.56	13	-1.42	18.43	34.8	Pass
Band12	1.4	715.3	16QAM	3	MID	22	28.57	6.57	13	-1.42	18.43	34.8	Pass
Band12	1.4	715.3	16QAM	3	HIGH	22.1	28.63	6.53	13	-1.42	18.53	34.8	Pass
Band12	1.4	715.3	16QAM	1	LOW	22.06	27.34	5.28	13	-1.42	18.49	34.8	Pass

Band12	1.4	715.3	16QAM	1	MID	21.86	27.17	5.31	13	-1.42	18.29	34.8	Pass
Band12	1.4	715.3	16QAM	1	HIGH	21.96	27.32	5.36	13	-1.42	18.39	34.8	Pass
Band12	3	700.5	QPSK	15	LOW	20.45	26.86	6.41	13	-1.42	16.88	34.8	Pass
Band12	3	700.5	QPSK	8	LOW	21.77	28.01	6.24	13	-1.42	18.2	34.8	Pass
Band12	3	700.5	QPSK	8	MID	21.76	27.99	6.23	13	-1.42	18.19	34.8	Pass
Band12	3	700.5	QPSK	8	HIGH	21.96	28.16	6.2	13	-1.42	18.39	34.8	Pass
Band12	3	700.5	QPSK	1	LOW	23.02	28.67	5.65	13	-1.42	19.45	34.8	Pass
Band12	3	700.5	QPSK	1	MID	23.06	28.28	5.22	13	-1.42	19.49	34.8	Pass
Band12	3	700.5	QPSK	1	HIGH	23.03	28.85	5.82	13	-1.42	19.46	34.8	Pass
Band12	3	700.5	16QAM	15	LOW	20.89	27.99	7.1	13	-1.42	17.32	34.8	Pass
Band12	3	700.5	16QAM	8	LOW	21.21	28.89	7.68	13	-1.42	17.64	34.8	Pass
Band12	3	700.5	16QAM	8	MID	21.21	28.36	7.15	13	-1.42	17.64	34.8	Pass
Band12	3	700.5	16QAM	8	HIGH	21.05	28.16	7.11	13	-1.42	17.48	34.8	Pass
Band12	3	700.5	16QAM	1	LOW	22.26	28.63	6.37	13	-1.42	18.69	34.8	Pass
Band12	3	700.5	16QAM	1	MID	22.29	28.93	6.64	13	-1.42	18.72	34.8	Pass
Band12	3	700.5	16QAM	1	HIGH	22.24	28.99	6.75	13	-1.42	18.67	34.8	Pass
Band12	3	707.5	QPSK	15	LOW	22.06	28.36	6.3	13	-1.42	18.49	34.8	Pass
Band12	3	707.5	QPSK	8	LOW	22.09	28.34	6.25	13	-1.42	18.52	34.8	Pass
Band12	3	707.5	QPSK	8	MID	22.09	28.39	6.3	13	-1.42	18.52	34.8	Pass
Band12	3	707.5	QPSK	8	HIGH	22.03	28.27	6.24	13	-1.42	18.46	34.8	Pass
Band12	3	707.5	QPSK	1	LOW	23.03	28.45	5.42	13	-1.42	19.46	34.8	Pass
Band12	3	707.5	QPSK	1	MID	23.24	28.45	5.21	13	-1.42	19.67	34.8	Pass
Band12	3	707.5	QPSK	1	HIGH	23.05	28.26	5.21	13	-1.42	19.48	34.8	Pass
Band12	3	707.5	16QAM	15	LOW	21.68	29.14	7.46	13	-1.42	18.11	34.8	Pass
Band12	3	707.5	16QAM	8	LOW	20.98	27.52	6.54	13	-1.42	17.41	34.8	Pass
Band12	3	707.5	16QAM	8	MID	20.99	27.7	6.71	13	-1.42	17.42	34.8	Pass
Band12	3	707.5	16QAM	8	HIGH	21.7	28.31	6.61	13	-1.42	18.13	34.8	Pass
Band12	3	707.5	16QAM	1	LOW	22.95	28.49	5.54	13	-1.42	19.38	34.8	Pass
Band12	3	707.5	16QAM	1	MID	22.81	28.04	5.23	13	-1.42	19.24	34.8	Pass
Band12	3	707.5	16QAM	1	HIGH	22.99	27.9	4.91	13	-1.42	19.42	34.8	Pass
Band12	3	714.5	QPSK	15	LOW	21.84	28.49	6.65	13	-1.42	18.27	34.8	Pass
Band12	3	714.5	QPSK	8	LOW	21.93	28.24	6.31	13	-1.42	18.36	34.8	Pass
Band12	3	714.5	QPSK	8	MID	21.94	28.26	6.32	13	-1.42	18.37	34.8	Pass
Band12	3	714.5	QPSK	8	HIGH	21.93	28.32	6.39	13	-1.42	18.36	34.8	Pass
Band12	3	714.5	QPSK	1	LOW	22.92	28.02	5.1	13	-1.42	19.35	34.8	Pass
Band12	3	714.5	QPSK	1	MID	23.14	28.16	5.02	13	-1.42	19.57	34.8	Pass
Band12	3	714.5	QPSK	1	HIGH	23.1	28.25	5.15	13	-1.42	19.53	34.8	Pass
Band12	3	714.5	16QAM	15	LOW	21.64	28.5	6.86	13	-1.42	18.07	34.8	Pass
Band12	3	714.5	16QAM	8	LOW	21.9	28.22	6.32	13	-1.42	18.33	34.8	Pass
Band12	3	714.5	16QAM	8	MID	22.06	28.39	6.33	13	-1.42	18.49	34.8	Pass
Band12	3	714.5	16QAM	8	HIGH	21.4	27.87	6.47	13	-1.42	17.83	34.8	Pass
Band12	3	714.5	16QAM	1	LOW	21.65	26.95	5.3	13	-1.42	18.08	34.8	Pass
Band12	3	714.5	16QAM	1	MID	21.89	27.14	5.25	13	-1.42	18.32	34.8	Pass
Band12	3	714.5	16QAM	1	HIGH	21.81	27.15	5.34	13	-1.42	18.24	34.8	Pass
Band12	5	701.5	QPSK	25	LOW	21.9	28.47	6.57	13	-1.42	18.33	34.8	Pass
Band12	5	701.5	QPSK	12	LOW	21.84	28.2	6.36	13	-1.42	18.27	34.8	Pass

Band12	5	701.5	QPSK	12	MID	21.85	28.22	6.37	13	-1.42	18.28	34.8	Pass
Band12	5	701.5	QPSK	12	HIGH	21.93	28.34	6.41	13	-1.42	18.36	34.8	Pass
Band12	5	701.5	QPSK	1	LOW	22.91	28.97	6.06	13	-1.42	19.34	34.8	Pass
Band12	5	701.5	QPSK	1	MID	23.19	29.43	6.24	13	-1.42	19.62	34.8	Pass
Band12	5	701.5	QPSK	1	HIGH	22.91	29.22	6.31	13	-1.42	19.34	34.8	Pass
Band12	5	701.5	16QAM	25	LOW	21.14	28.96	7.82	13	-1.42	17.57	34.8	Pass
Band12	5	701.5	16QAM	12	LOW	20.91	28.43	7.52	13	-1.42	17.34	34.8	Pass
Band12	5	701.5	16QAM	12	MID	20.8	28.6	7.8	13	-1.42	17.23	34.8	Pass
Band12	5	701.5	16QAM	12	HIGH	20.92	28.8	7.88	13	-1.42	17.35	34.8	Pass
Band12	5	701.5	16QAM	1	LOW	21.21	27.19	5.98	13	-1.42	17.64	34.8	Pass
Band12	5	701.5	16QAM	1	MID	21.29	27.33	6.04	13	-1.42	17.72	34.8	Pass
Band12	5	701.5	16QAM	1	HIGH	21.23	27.32	6.09	13	-1.42	17.66	34.8	Pass
Band12	5	707.5	QPSK	25	LOW	22.24	29.09	6.85	13	-1.42	18.67	34.8	Pass
Band12	5	707.5	QPSK	12	LOW	22.07	28.81	6.74	13	-1.42	18.5	34.8	Pass
Band12	5	707.5	QPSK	12	MID	22.07	28.91	6.84	13	-1.42	18.5	34.8	Pass
Band12	5	707.5	QPSK	12	HIGH	22.28	28.67	6.39	13	-1.42	18.71	34.8	Pass
Band12	5	707.5	QPSK	1	LOW	23.06	28.52	5.46	13	-1.42	19.49	34.8	Pass
Band12	5	707.5	QPSK	1	MID	23.24	28.39	5.15	13	-1.42	19.67	34.8	Pass
Band12	5	707.5	QPSK	1	HIGH	23.19	28.28	5.09	13	-1.42	19.62	34.8	Pass
Band12	5	707.5	16QAM	25	LOW	21.48	29.5	8.02	13	-1.42	17.91	34.8	Pass
Band12	5	707.5	16QAM	12	LOW	20.97	27.9	6.93	13	-1.42	17.4	34.8	Pass
Band12	5	707.5	16QAM	12	MID	20.84	27.8	6.96	13	-1.42	17.27	34.8	Pass
Band12	5	707.5	16QAM	12	HIGH	21.49	28.26	6.77	13	-1.42	17.92	34.8	Pass
Band12	5	707.5	16QAM	1	LOW	21.83	28.01	6.18	13	-1.42	18.26	34.8	Pass
Band12	5	707.5	16QAM	1	MID	21.93	27.92	5.99	13	-1.42	18.36	34.8	Pass
Band12	5	707.5	16QAM	1	HIGH	22.05	27.91	5.86	13	-1.42	18.48	34.8	Pass
Band12	5	713.5	QPSK	25	LOW	21.94	28.24	6.3	13	-1.42	18.37	34.8	Pass
Band12	5	713.5	QPSK	12	LOW	21.79	27.57	5.78	13	-1.42	18.22	34.8	Pass
Band12	5	713.5	QPSK	12	MID	21.79	27.78	5.99	13	-1.42	18.22	34.8	Pass
Band12	5	713.5	QPSK	12	HIGH	21.95	27.98	6.03	13	-1.42	18.38	34.8	Pass
Band12	5	713.5	QPSK	1	LOW	23.02	28.37	5.35	13	-1.42	19.45	34.8	Pass
Band12	5	713.5	QPSK	1	MID	23	28.28	5.28	13	-1.42	19.43	34.8	Pass
Band12	5	713.5	QPSK	1	HIGH	23.11	28.44	5.33	13	-1.42	19.54	34.8	Pass
Band12	5	713.5	16QAM	25	LOW	21.63	28.46	6.83	13	-1.42	18.06	34.8	Pass
Band12	5	713.5	16QAM	12	LOW	21.02	27.91	6.89	13	-1.42	17.45	34.8	Pass
Band12	5	713.5	16QAM	12	MID	21.03	27.98	6.95	13	-1.42	17.46	34.8	Pass
Band12	5	713.5	16QAM	12	HIGH	21.58	28.35	6.77	13	-1.42	18.01	34.8	Pass
Band12	5	713.5	16QAM	1	LOW	21.55	27.99	6.44	13	-1.42	17.98	34.8	Pass
Band12	5	713.5	16QAM	1	MID	21.6	28	6.4	13	-1.42	18.03	34.8	Pass
Band12	5	713.5	16QAM	1	HIGH	22.02	28.39	6.37	13	-1.42	18.45	34.8	Pass
Band12	10	704	QPSK	50	LOW	21.97	28.56	6.59	13	-1.42	18.4	34.8	Pass
Band12	10	704	QPSK	25	LOW	22.13	28.79	6.66	13	-1.42	18.56	34.8	Pass
Band12	10	704	QPSK	25	MID	21.99	28.65	6.66	13	-1.42	18.42	34.8	Pass
Band12	10	704	QPSK	25	HIGH	22.04	28.8	6.76	13	-1.42	18.47	34.8	Pass
Band12	10	704	QPSK	1	LOW	22.98	28.1	5.12	13	-1.42	19.41	34.8	Pass
Band12	10	704	QPSK	1	MID	22.93	28.18	5.25	13	-1.42	19.36	34.8	Pass

Band12	10	704	QPSK	1	HIGH	23.05	28.02	4.97	13	-1.42	19.48	34.8	Pass
Band12	10	704	16QAM	50	LOW	21.26	29.37	8.11	13	-1.42	17.69	34.8	Pass
Band12	10	704	16QAM	25	LOW	20.83	28.55	7.72	13	-1.42	17.26	34.8	Pass
Band12	10	704	16QAM	25	MID	20.87	28.52	7.65	13	-1.42	17.3	34.8	Pass
Band12	10	704	16QAM	25	HIGH	20.98	28.47	7.49	13	-1.42	17.41	34.8	Pass
Band12	10	704	16QAM	1	LOW	21.99	28.62	6.63	13	-1.42	18.42	34.8	Pass
Band12	10	704	16QAM	1	MID	22.28	28.91	6.63	13	-1.42	18.71	34.8	Pass
Band12	10	704	16QAM	1	HIGH	22.73	28.84	6.11	13	-1.42	19.16	34.8	Pass
Band12	10	707.5	QPSK	50	LOW	22.12	28.73	6.61	13	-1.42	18.55	34.8	Pass
Band12	10	707.5	QPSK	25	LOW	22.15	28.7	6.55	13	-1.42	18.58	34.8	Pass
Band12	10	707.5	QPSK	25	MID	22.13	28.57	6.44	13	-1.42	18.56	34.8	Pass
Band12	10	707.5	QPSK	25	HIGH	22.24	28.63	6.39	13	-1.42	18.67	34.8	Pass
Band12	10	707.5	QPSK	1	LOW	23.05	28.61	5.56	13	-1.42	19.48	34.8	Pass
Band12	10	707.5	QPSK	1	MID	23.06	28.28	5.22	13	-1.42	19.49	34.8	Pass
Band12	10	707.5	QPSK	1	HIGH	23.2	28.19	4.99	13	-1.42	19.63	34.8	Pass
Band12	10	707.5	16QAM	50	LOW	21.6	28.92	7.32	13	-1.42	18.03	34.8	Pass
Band12	10	707.5	16QAM	25	LOW	21.13	28.99	7.86	13	-1.42	17.56	34.8	Pass
Band12	10	707.5	16QAM	25	MID	20.96	28.88	7.92	13	-1.42	17.39	34.8	Pass
Band12	10	707.5	16QAM	25	HIGH	21.35	28.83	7.48	13	-1.42	17.78	34.8	Pass
Band12	10	707.5	16QAM	1	LOW	22.67	28.34	5.67	13	-1.42	19.1	34.8	Pass
Band12	10	707.5	16QAM	1	MID	23	27.92	4.92	13	-1.42	19.43	34.8	Pass
Band12	10	707.5	16QAM	1	HIGH	22.6	27.76	5.16	13	-1.42	19.03	34.8	Pass
Band12	10	711	QPSK	50	LOW	22.14	28.15	6.01	13	-1.42	18.57	34.8	Pass
Band12	10	711	QPSK	25	LOW	22.05	29	6.95	13	-1.42	18.48	34.8	Pass
Band12	10	711	QPSK	25	MID	22.03	28.95	6.92	13	-1.42	18.46	34.8	Pass
Band12	10	711	QPSK	25	HIGH	21.96	28.71	6.75	13	-1.42	18.39	34.8	Pass
Band12	10	711	QPSK	1	LOW	22.99	28.37	5.38	13	-1.42	19.42	34.8	Pass
Band12	10	711	QPSK	1	MID	23.11	28.13	5.02	13	-1.42	19.54	34.8	Pass
Band12	10	711	QPSK	1	HIGH	23.25	28.35	5.1	13	-1.42	19.68	34.8	Pass
Band12	10	711	16QAM	50	LOW	21.17	29.07	7.9	13	-1.42	17.6	34.8	Pass
Band12	10	711	16QAM	25	LOW	21.65	28.86	7.21	13	-1.42	18.08	34.8	Pass
Band12	10	711	16QAM	25	MID	21.92	29.04	7.12	13	-1.42	18.35	34.8	Pass
Band12	10	711	16QAM	25	HIGH	21.76	28.81	7.05	13	-1.42	18.19	34.8	Pass
Band12	10	711	16QAM	1	LOW	21.87	27.31	5.44	13	-1.42	18.3	34.8	Pass
Band12	10	711	16QAM	1	MID	22.04	27.27	5.23	13	-1.42	18.47	34.8	Pass
Band12	10	711	16QAM	1	HIGH	21.8	27.19	5.39	13	-1.42	18.23	34.8	Pass