RF Test Data for LTE (Conducted Measurement)

Product Name: Mobile phone

Trade Mark: PCD

Test Model: P60

Sample ID: TZ210702434-1#

FCC ID: 2ALJJP60

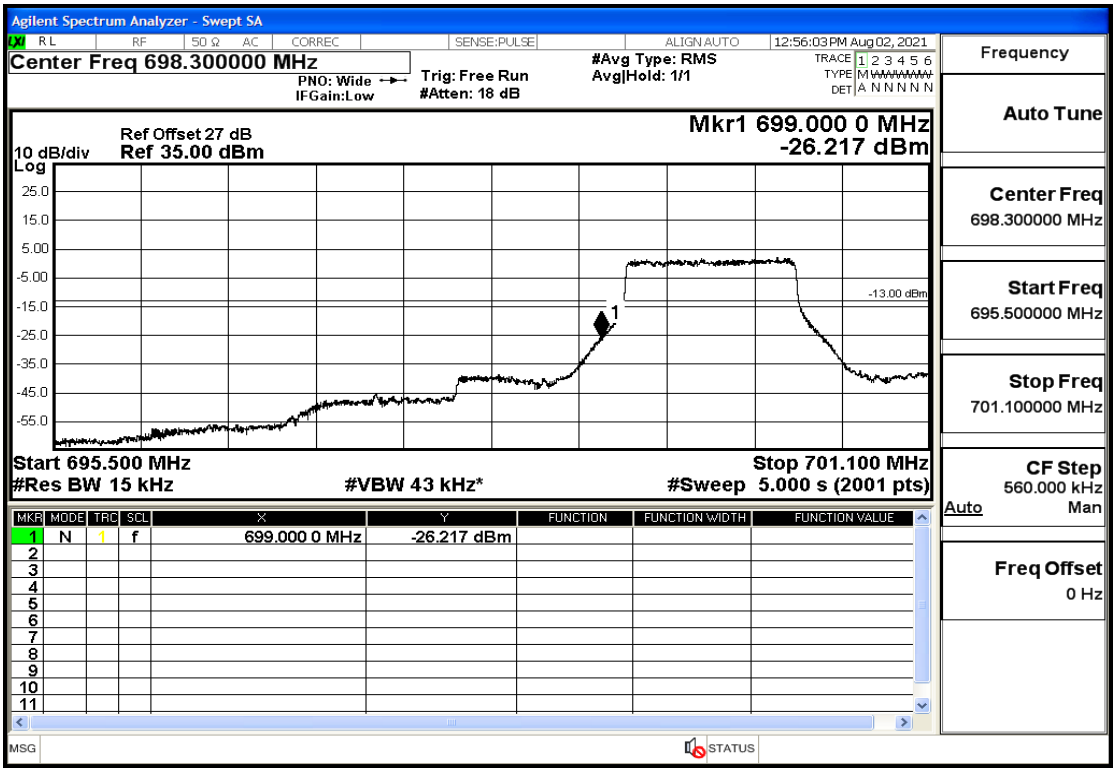
Environmental Conditions

Temperature:	23.8℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
Remark:	For LTE BAND 12

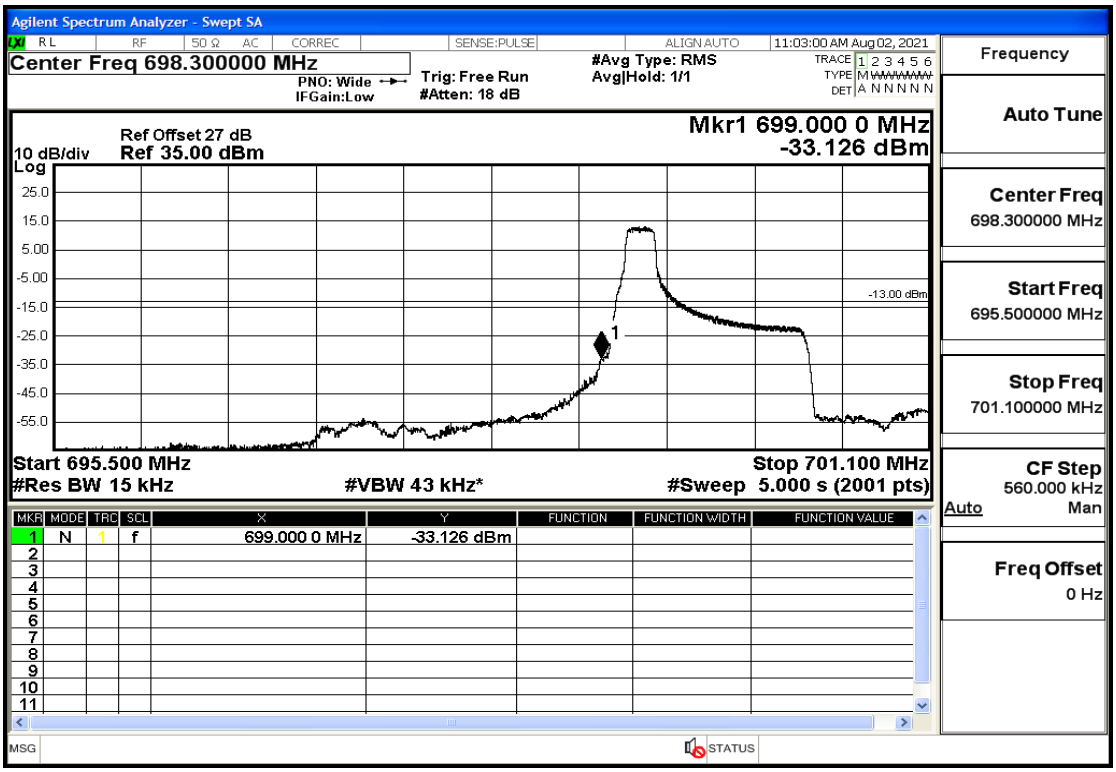
Band Edge and Emission Mask

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

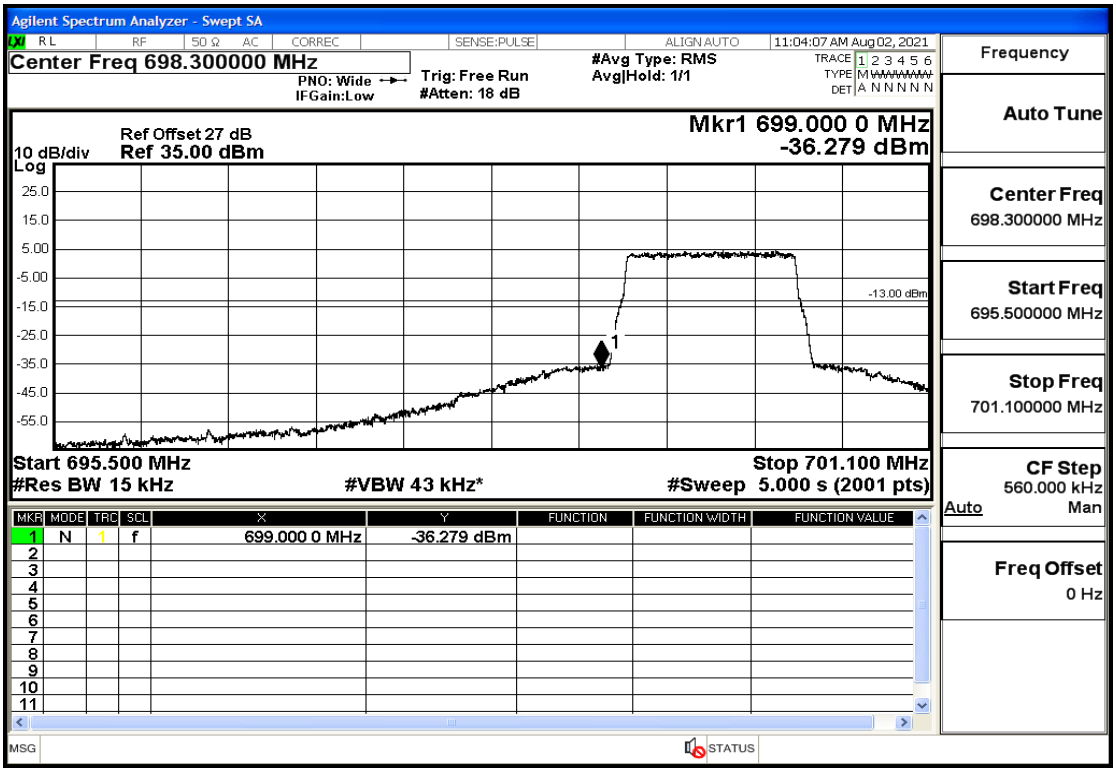
Band12-1.4-699.7-QPSK-6#LOW@Pass



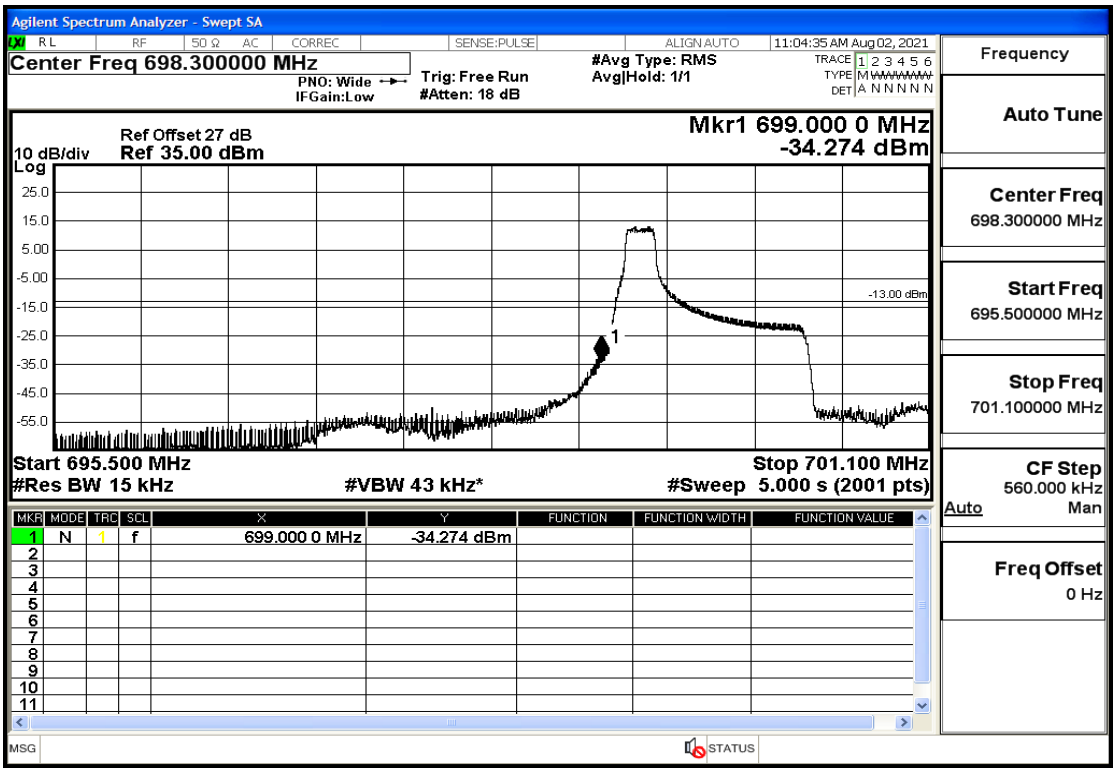
Band12-1.4-699.7-QPSK-1#LOW@Pass



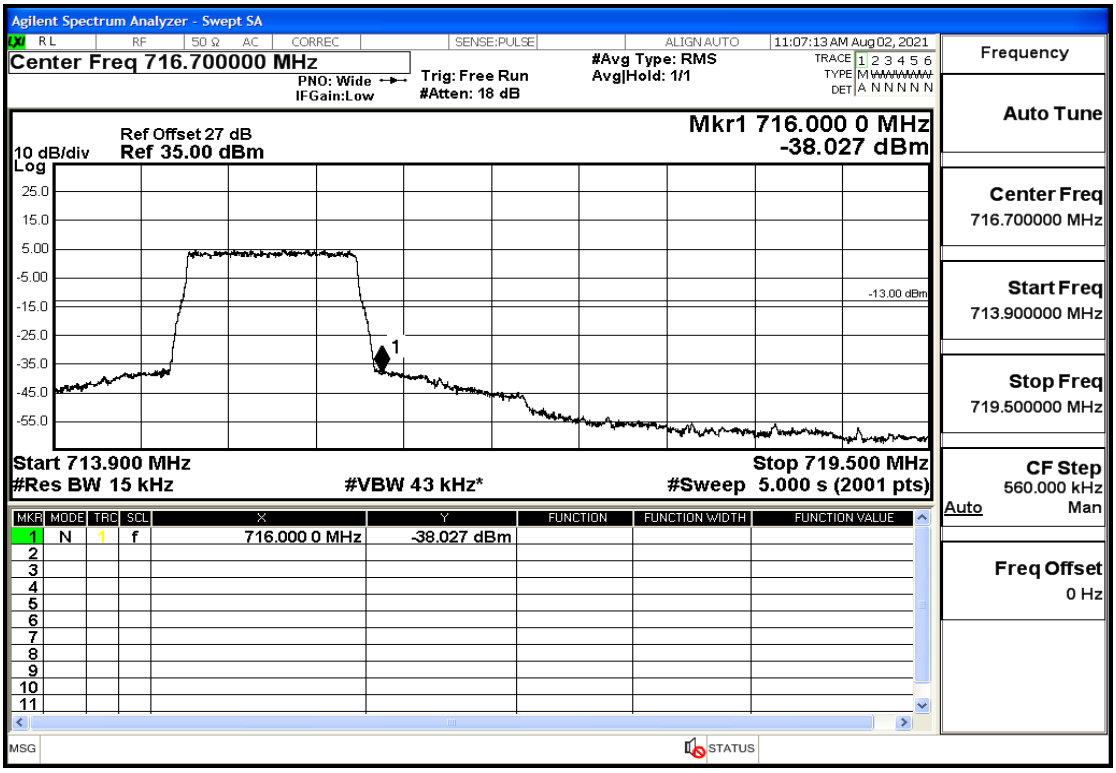
Band12-1.4-699.7-16QAM-6#LOW@Pass



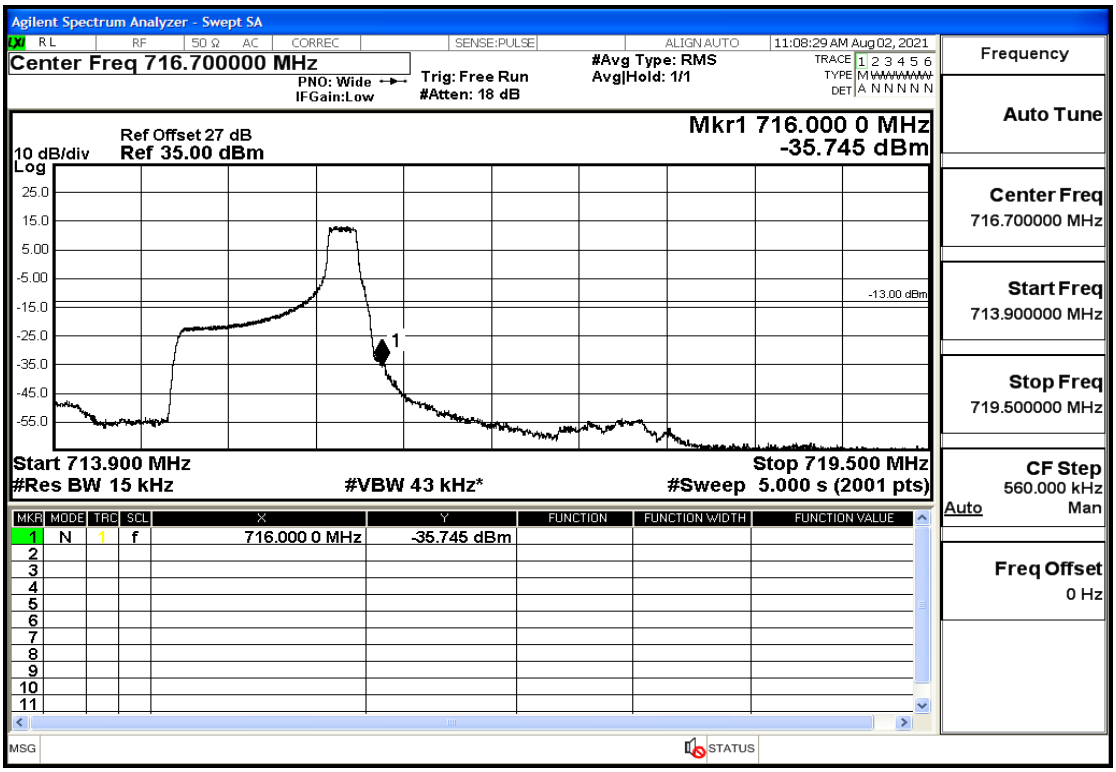
Band12-1.4-699.7-16QAM-1#LOW@Pass



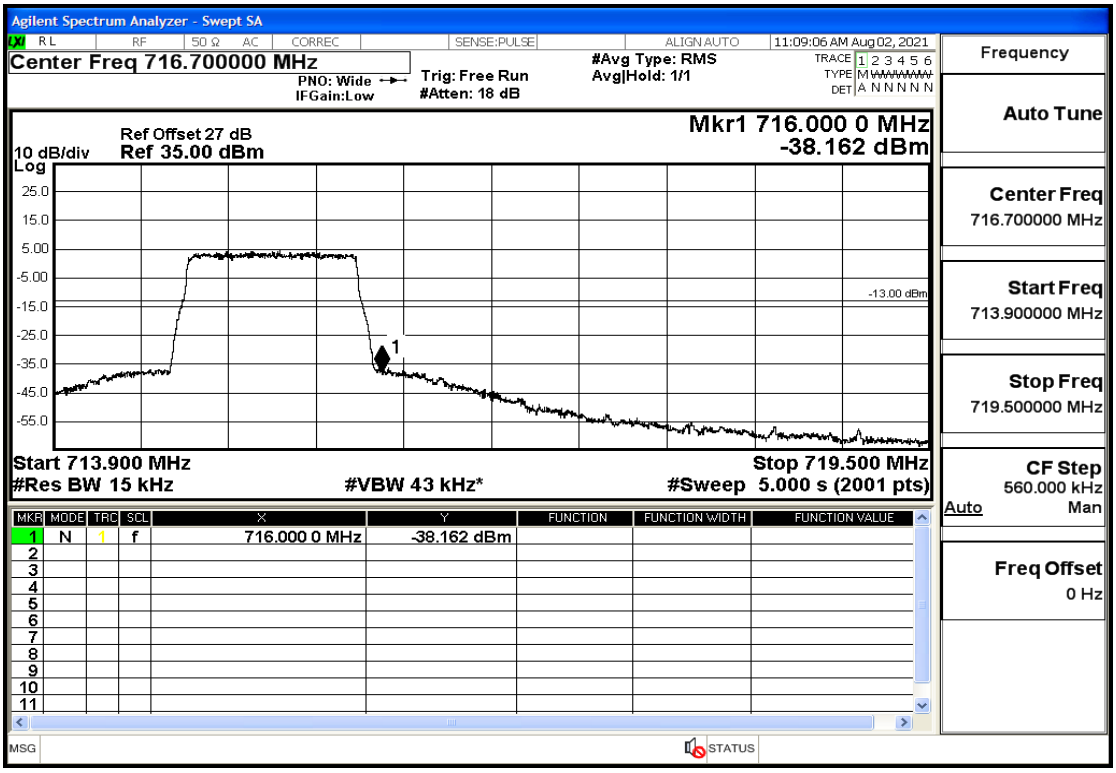
Band12-1.4-715.3-QPSK-6#LOW@Pass



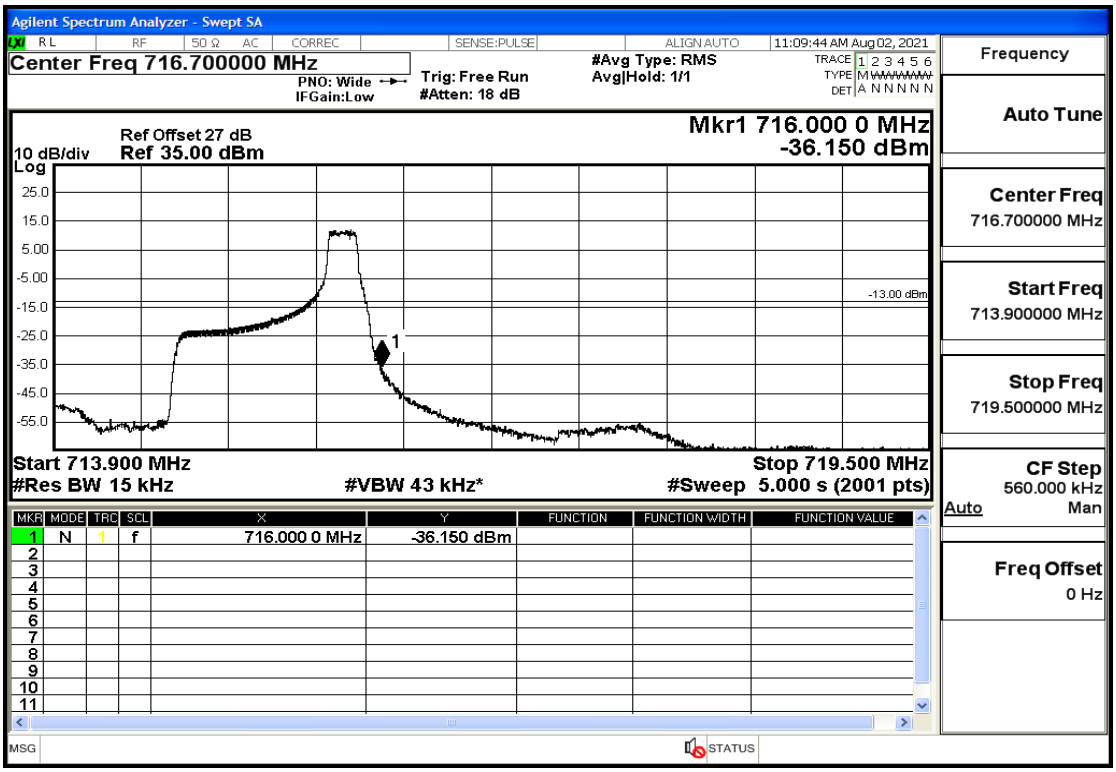
Band12-1.4-715.3-QPSK-1#HIGH@Pass



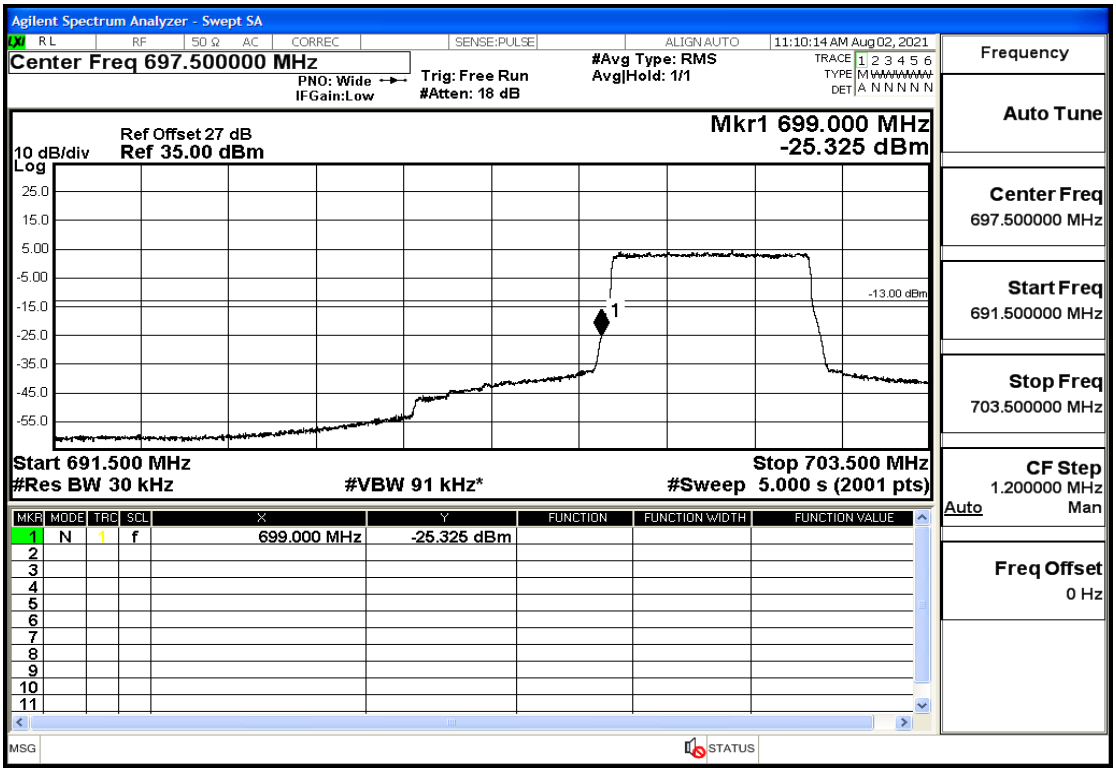
Band12-1.4-715.3-16QAM-6#LOW@Pass



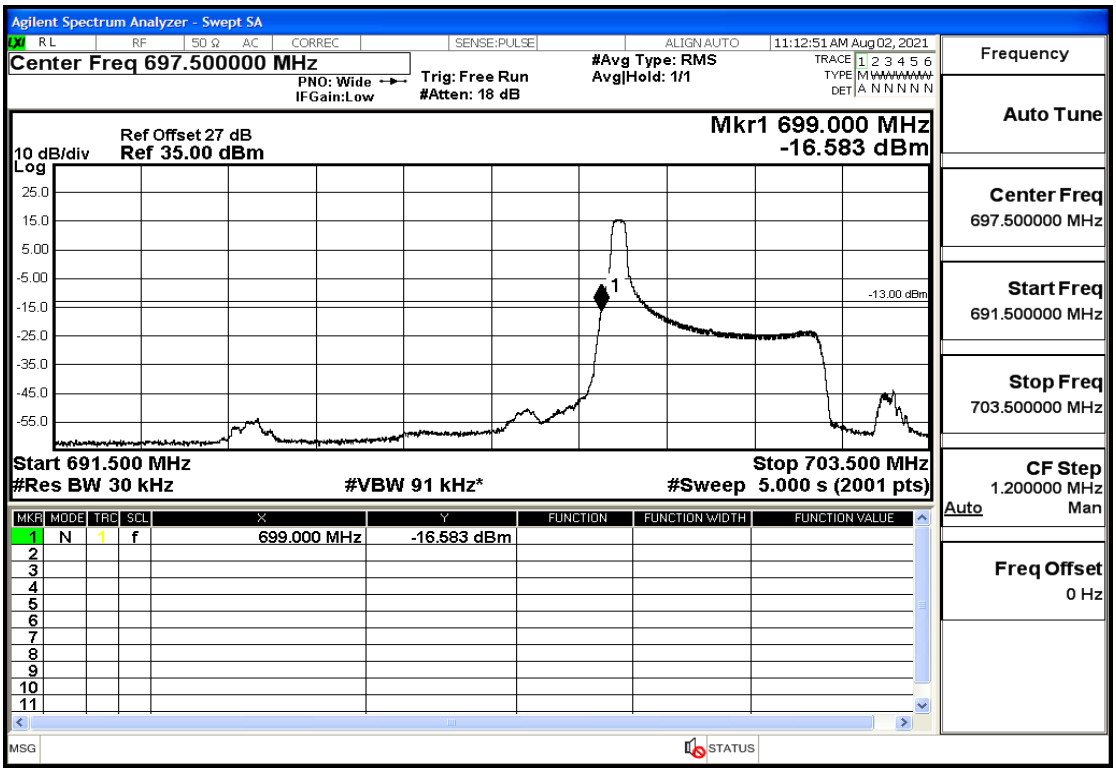
Band12-1.4-715.3-16QAM-1#HIGH@Pass



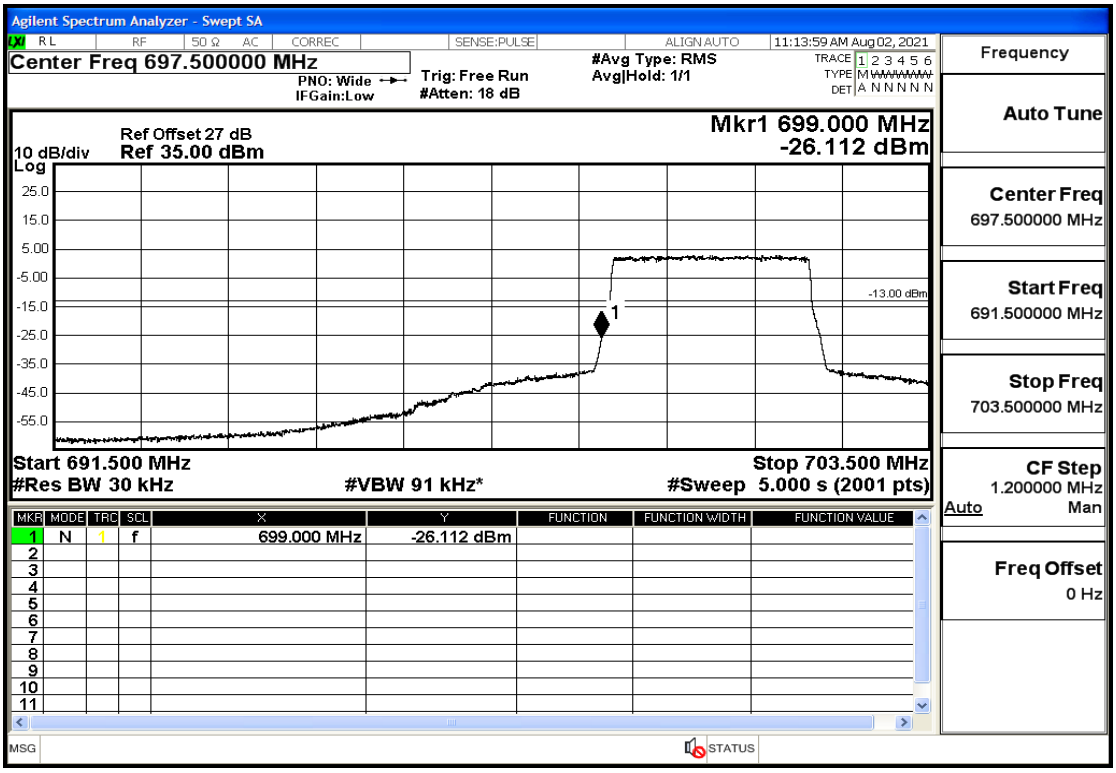
Band12-3-700.5-QPSK-15#LOW@Pass



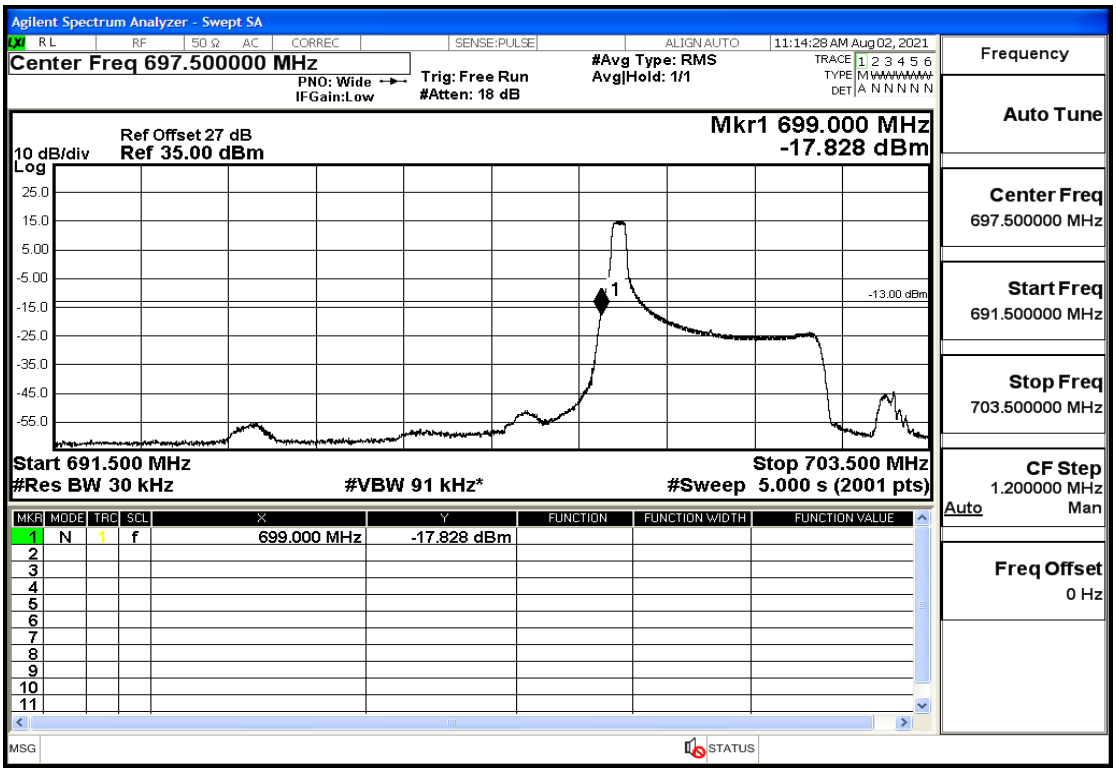
Band12-3-700.5-QPSK-1#LOW@Pass



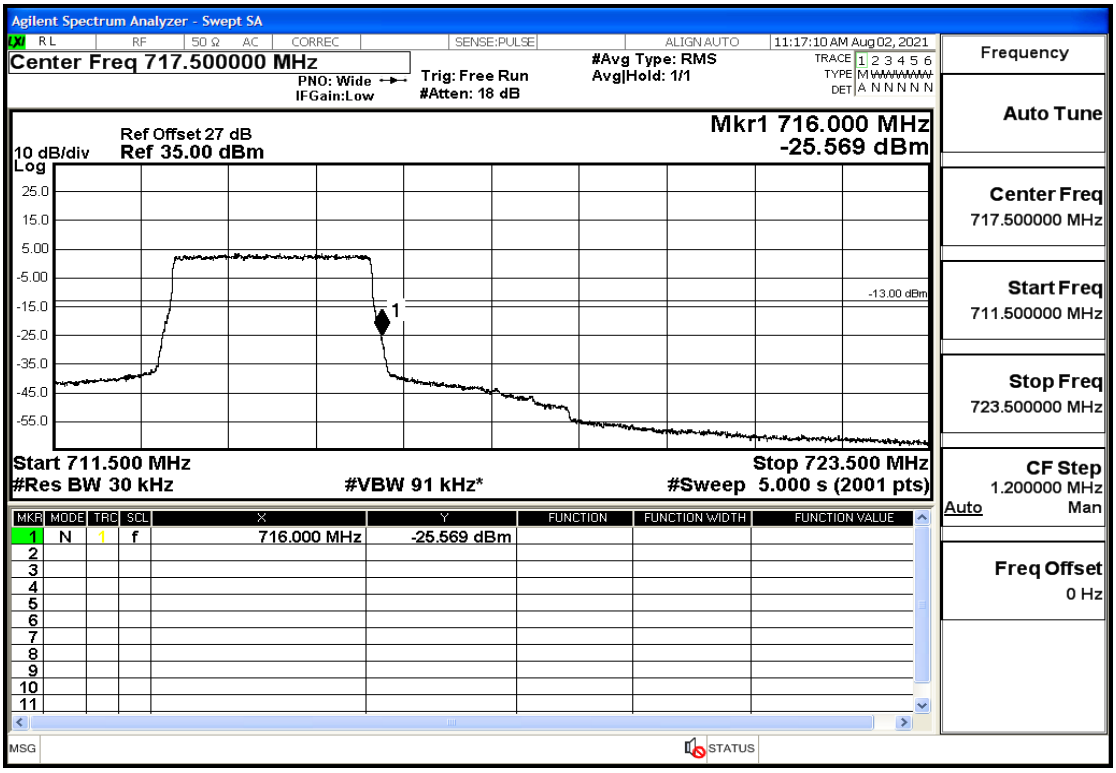
Band12-3-700.5-16QAM-15#LOW@Pass



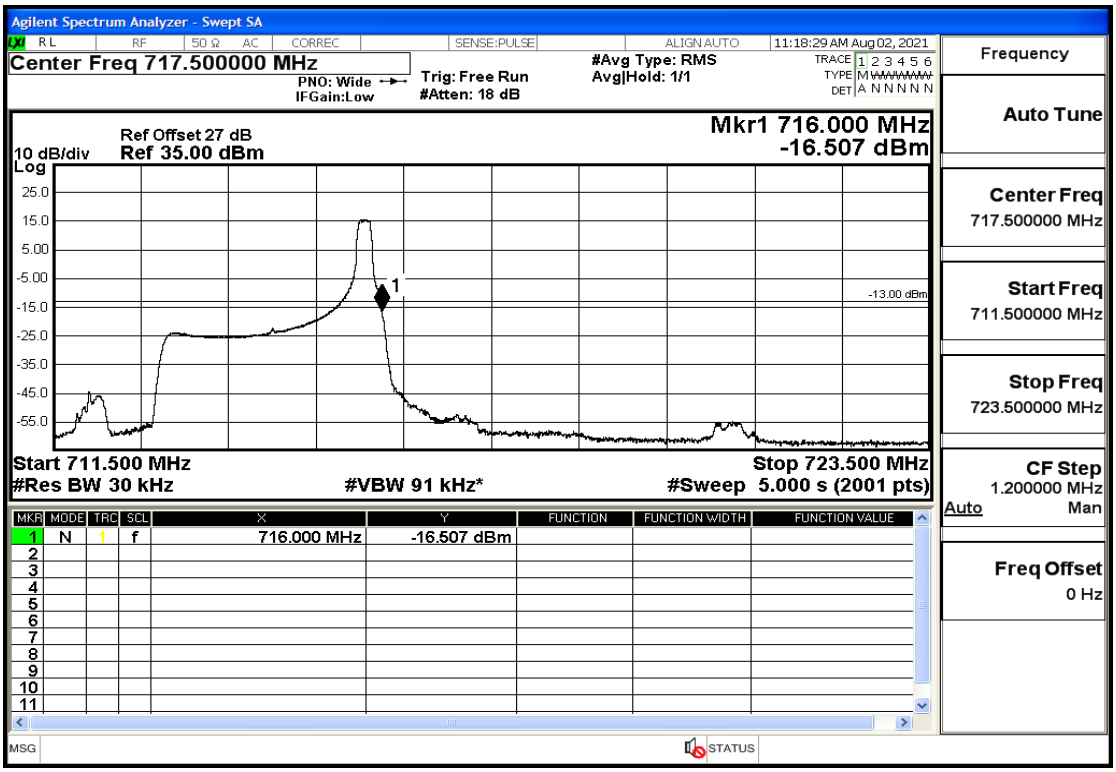
Band12-3-700.5-16QAM-1#LOW@Pass



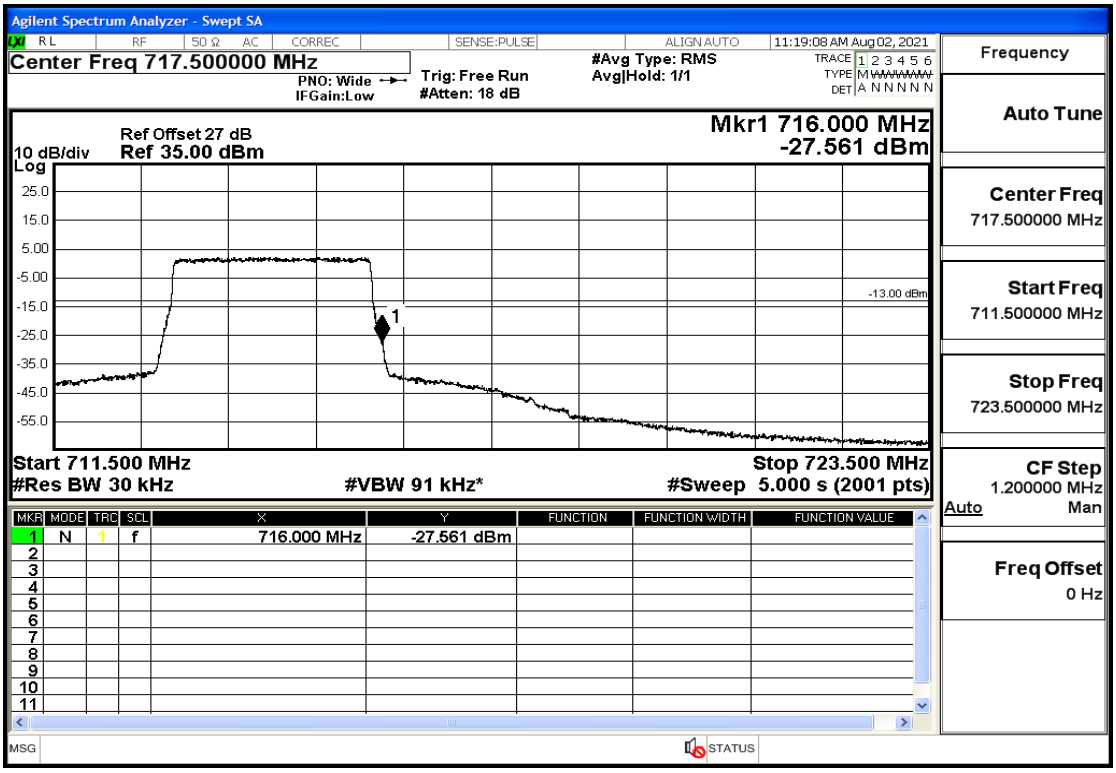
Band12-3-714.5-QPSK-15#LOW@Pass



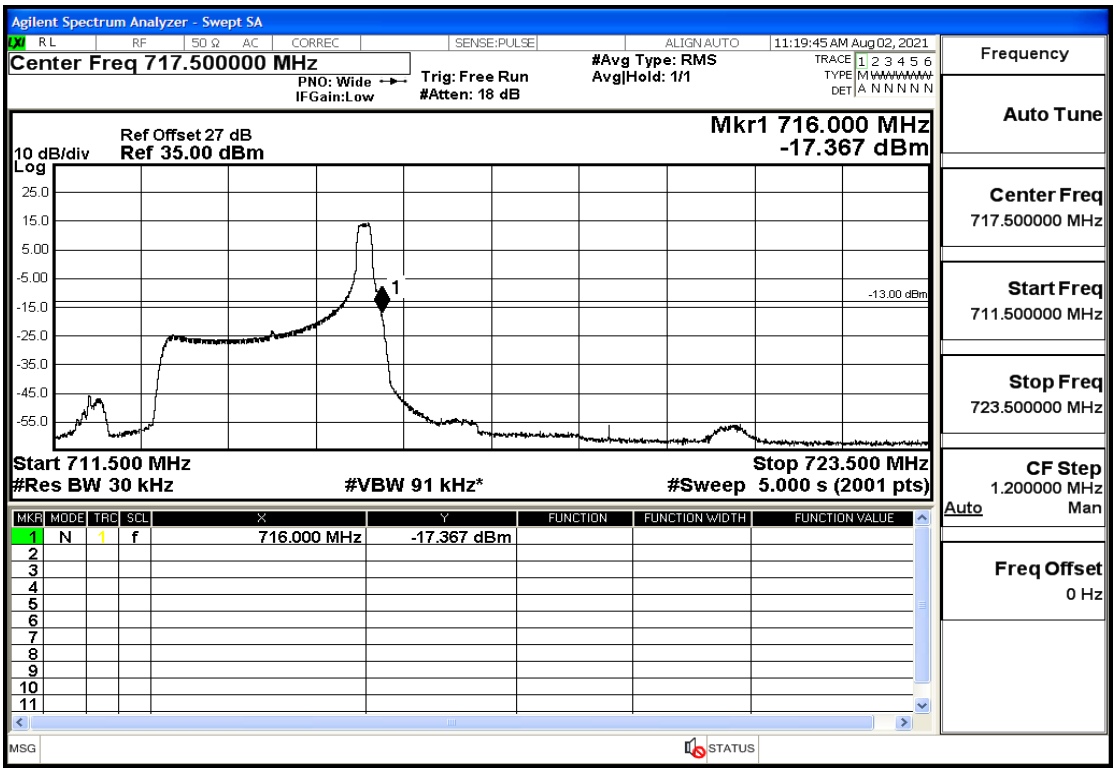
Band12-3-714.5-QPSK-1#HIGH@Pass



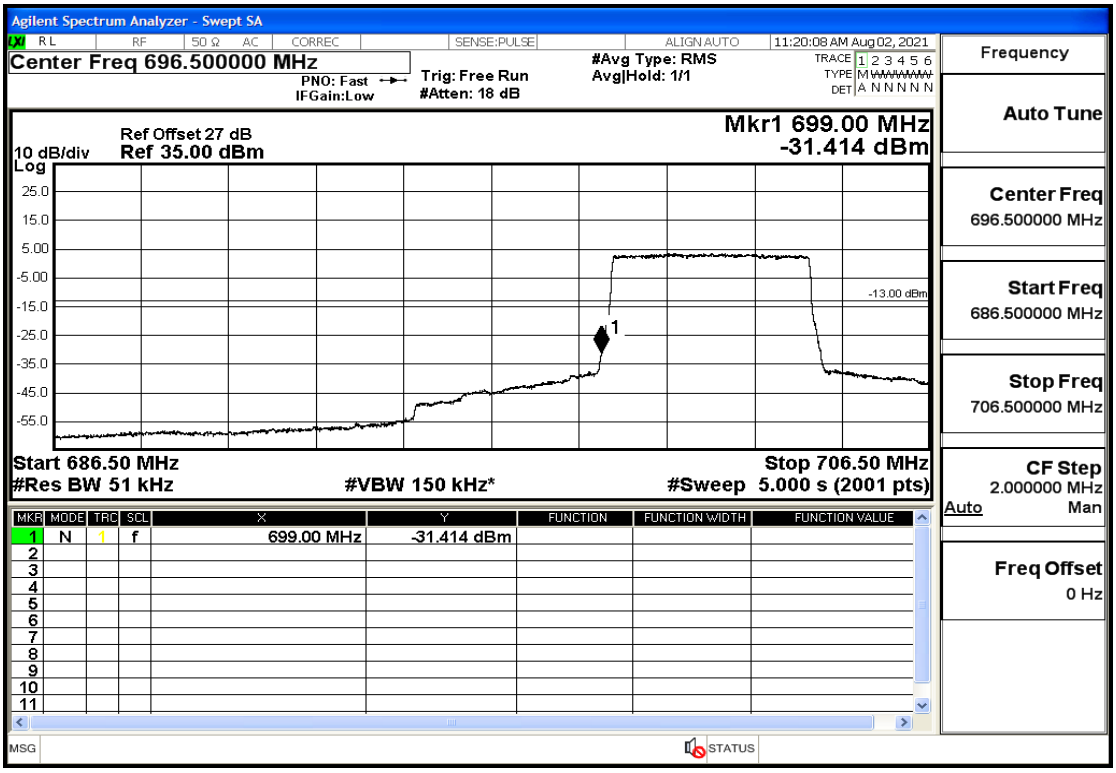
Band12-3-714.5-16QAM-15#LOW@Pass



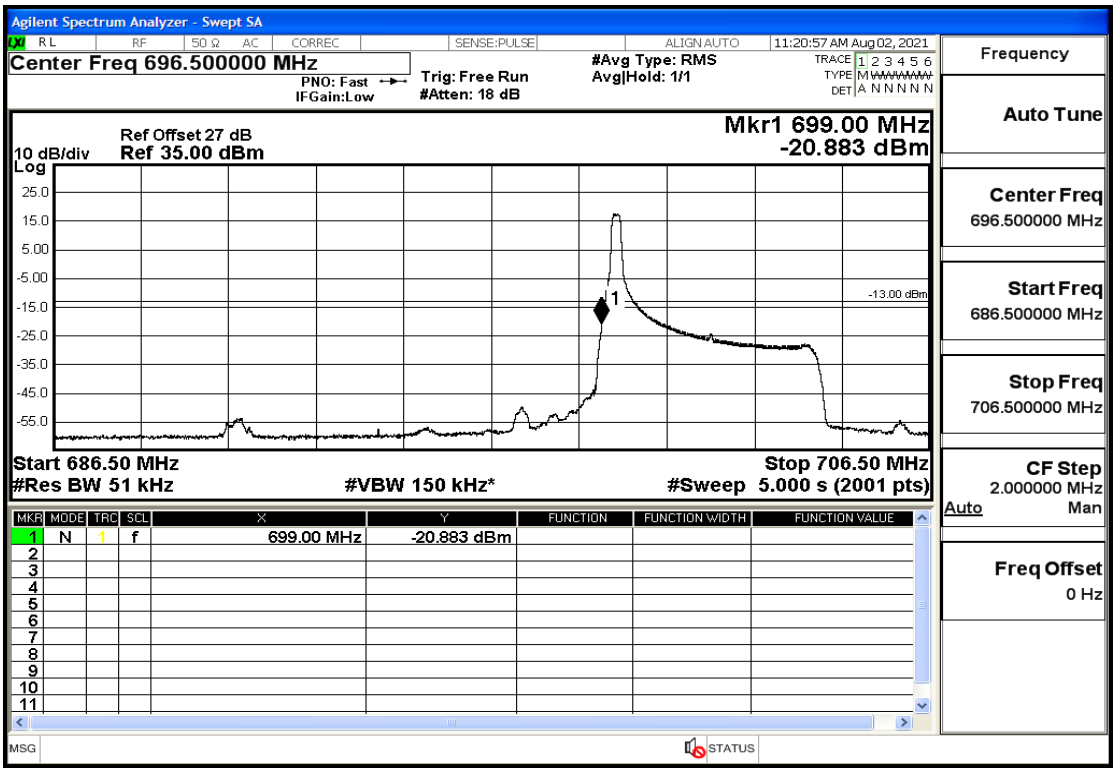
Band12-3-714.5-16QAM-1#HIGH@Pass



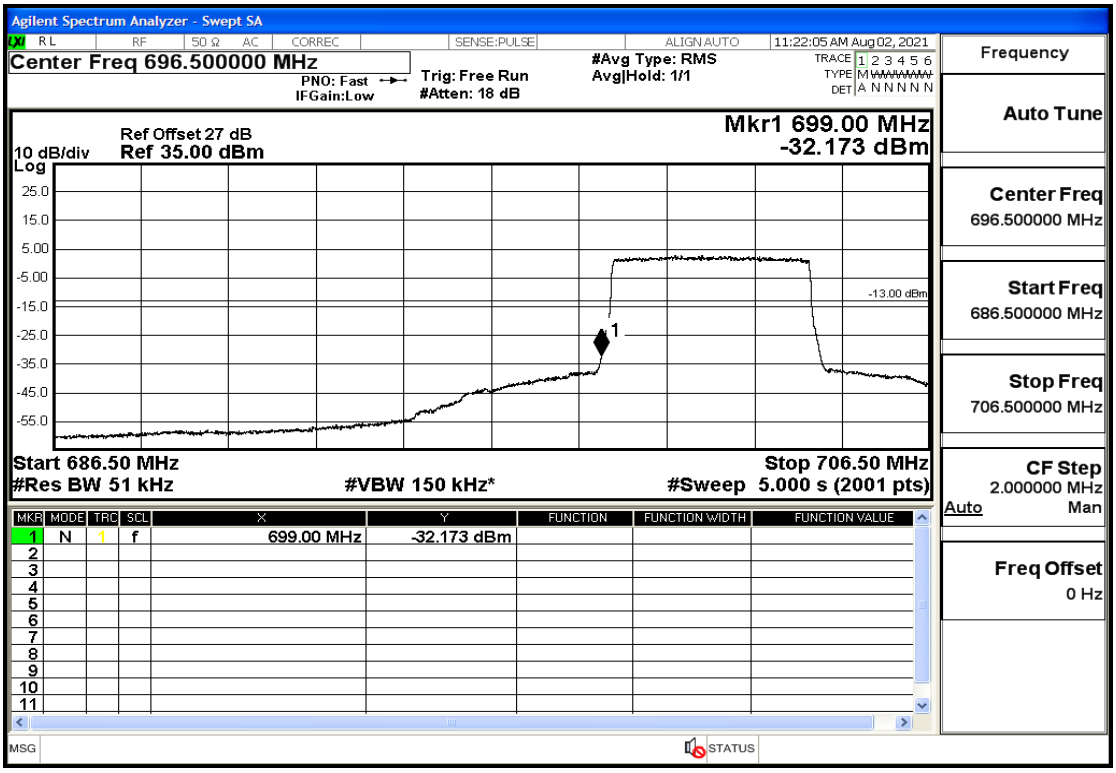
Band12-5-701.5-QPSK-25#LOW@Pass



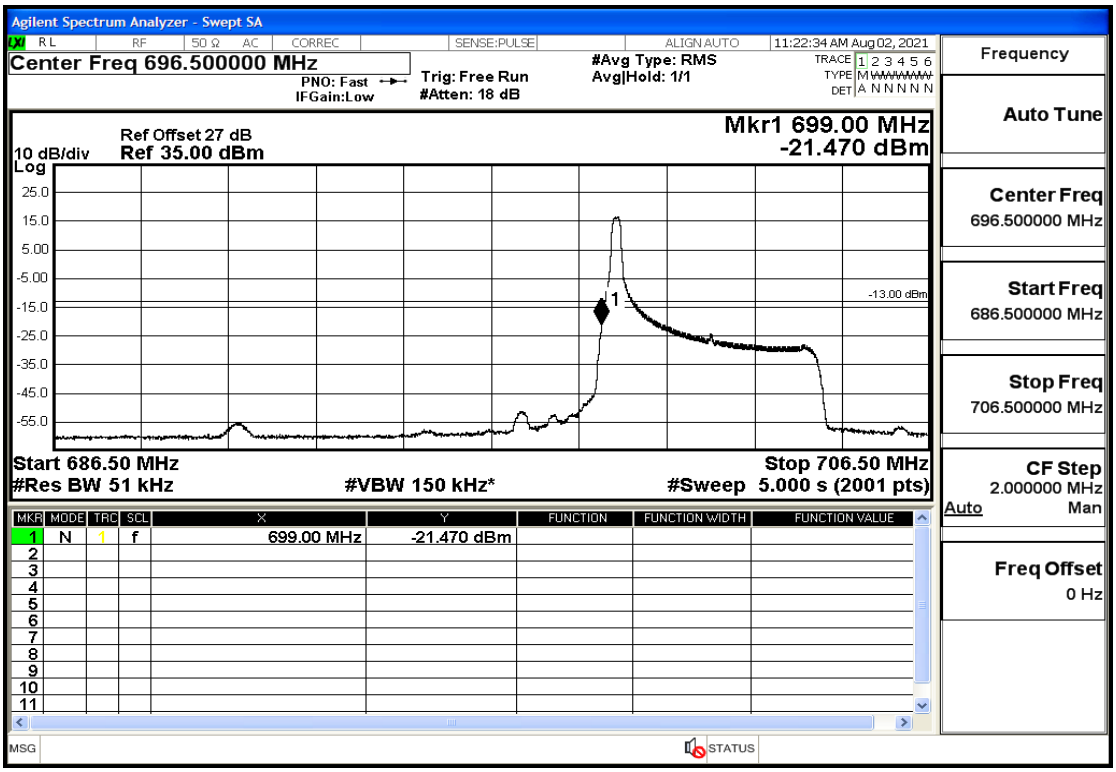
Band12-5-701.5-QPSK-1#LOW@Pass



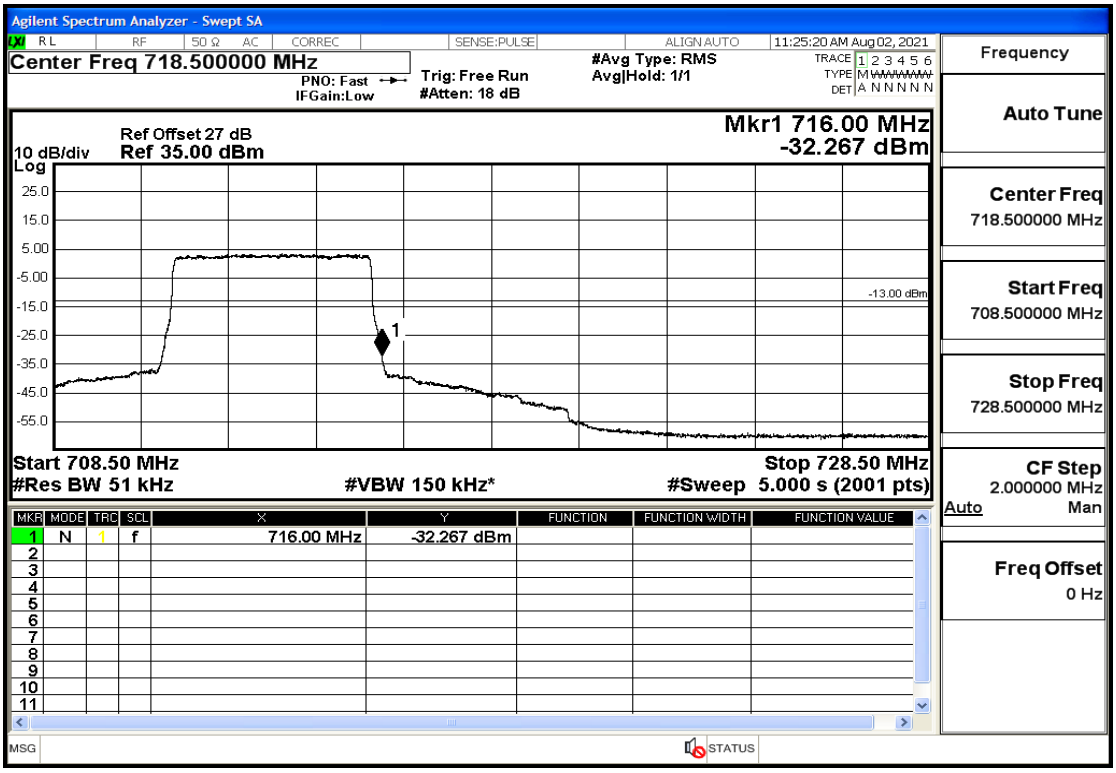
Band12-5-701.5-16QAM-25#LOW@Pass



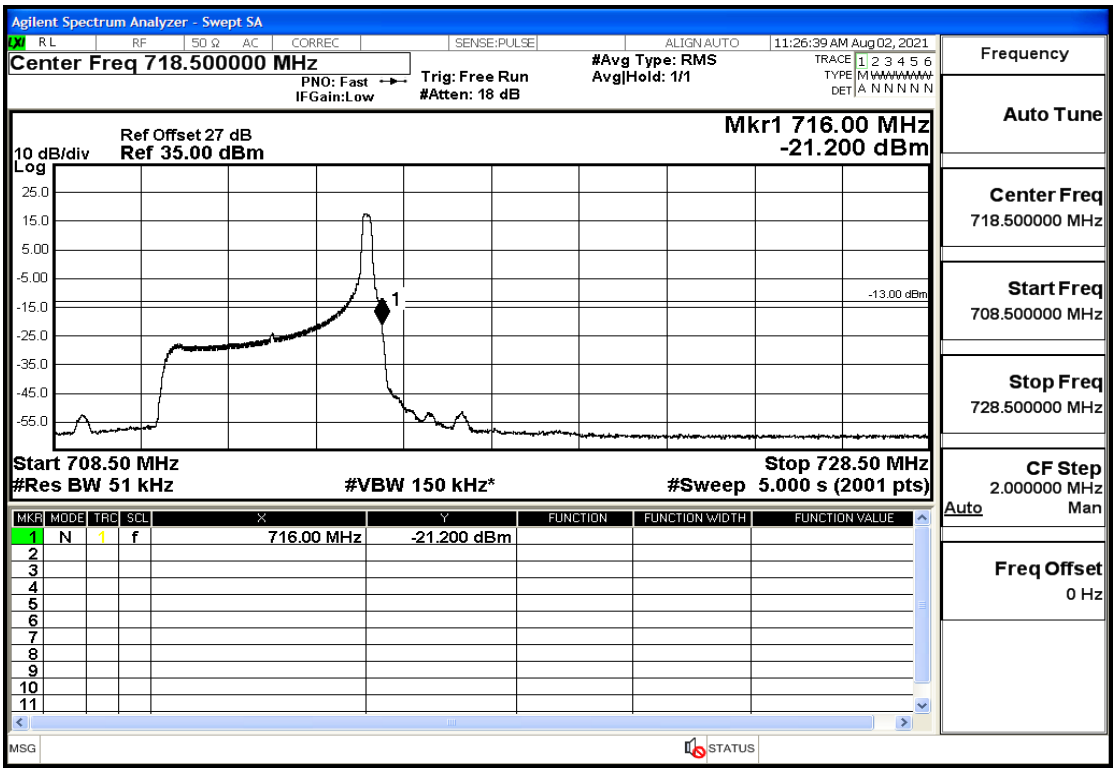
Band12-5-701.5-16QAM-1#LOW@Pass



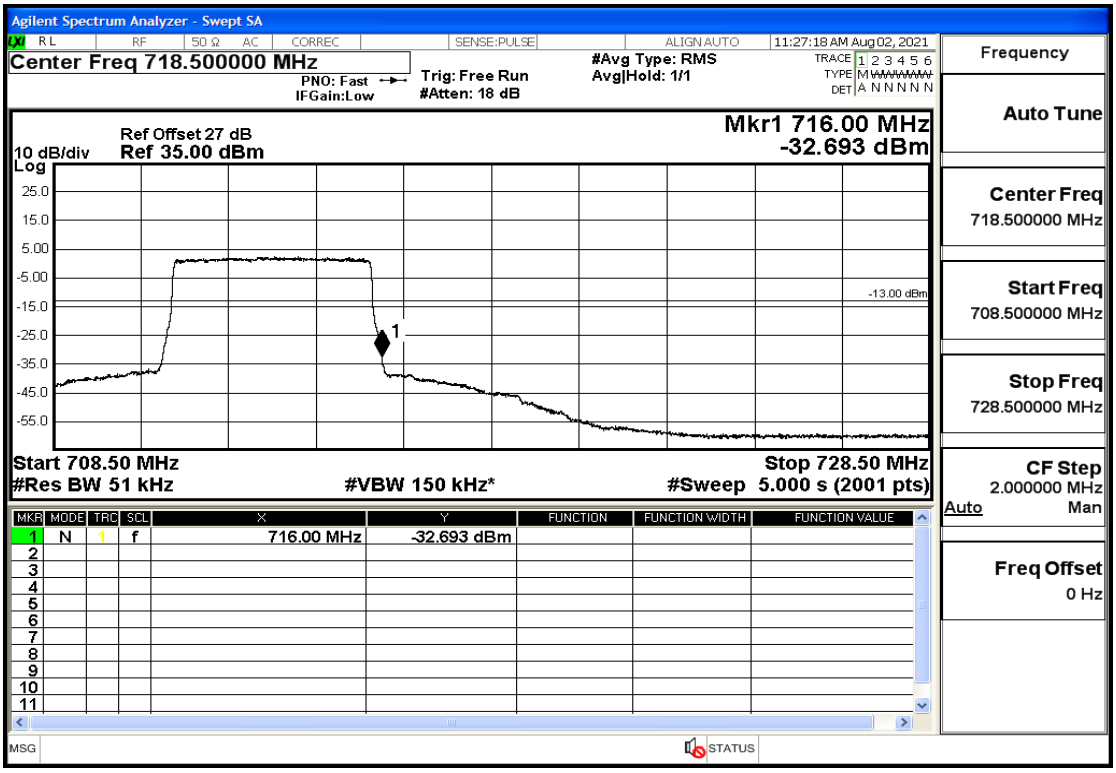
Band12-5-713.5-QPSK-25#LOW@Pass



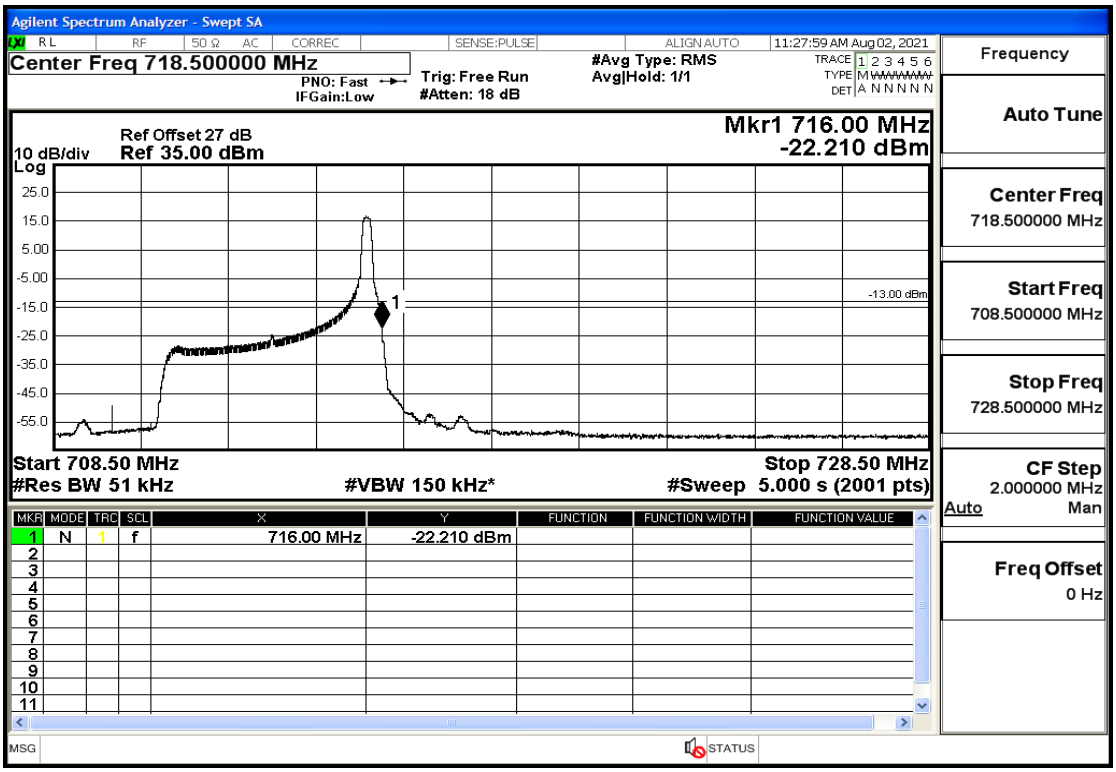
Band12-5-713.5-QPSK-1#HIGH@Pass



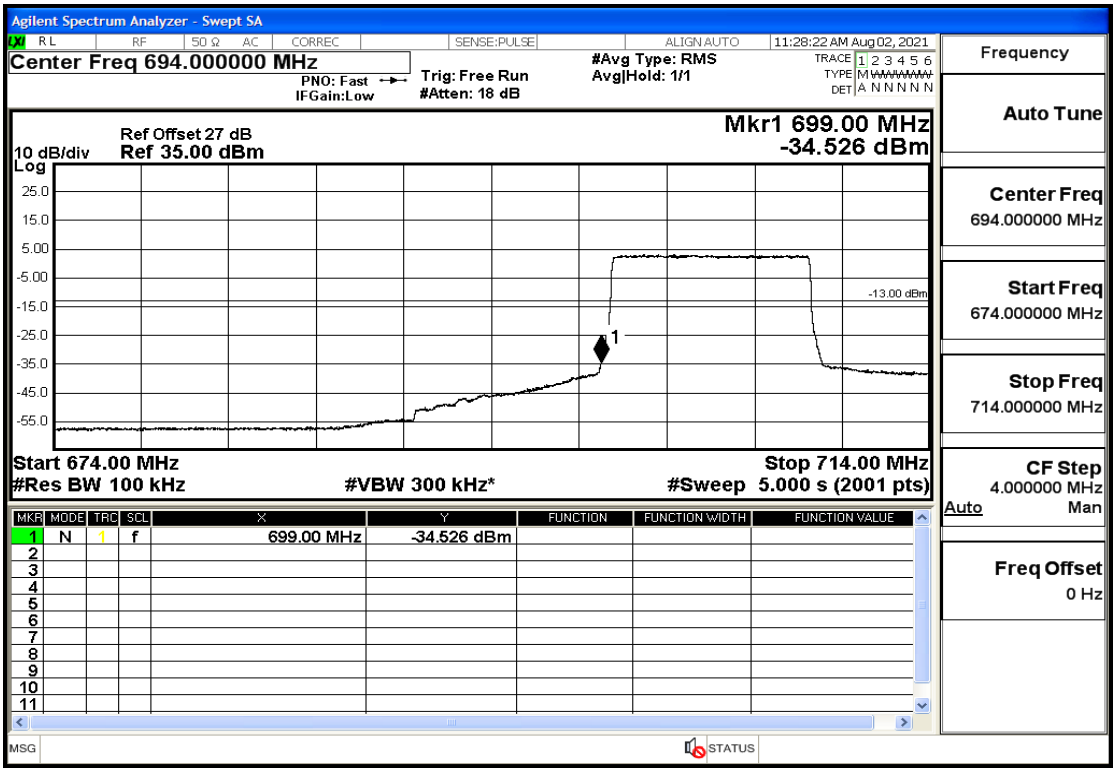
Band12-5-713.5-16QAM-25#LOW@Pass



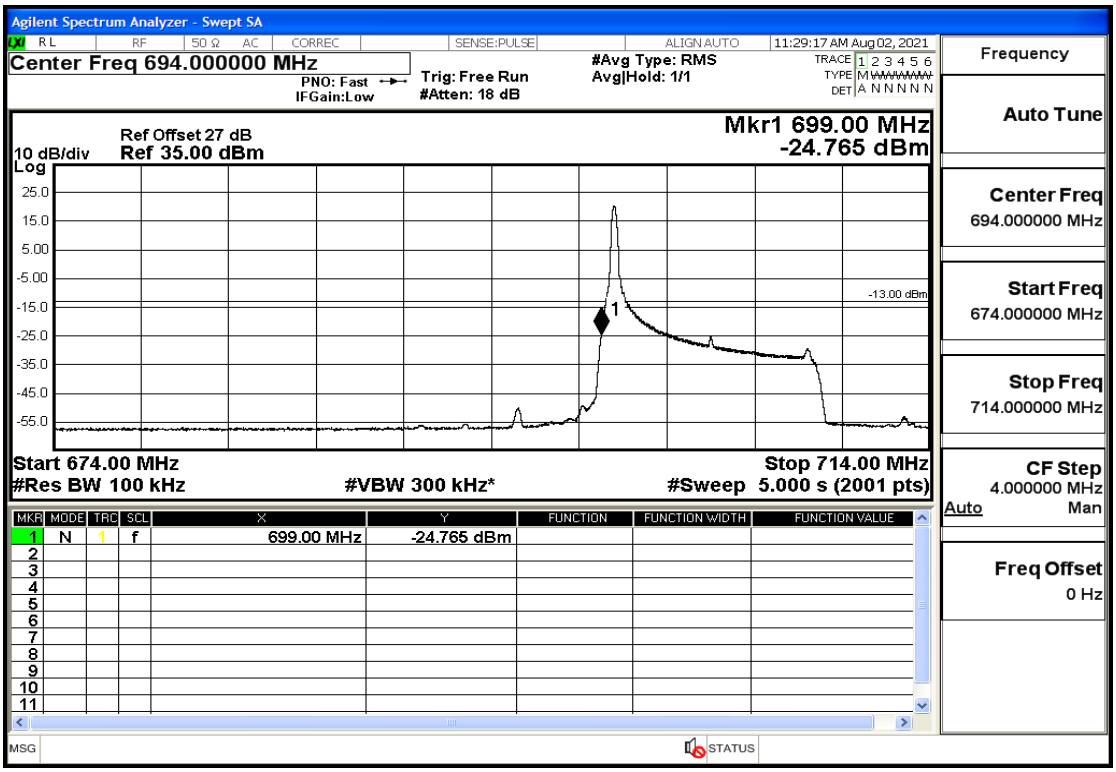
Band12-5-713.5-16QAM-1#HIGH@Pass



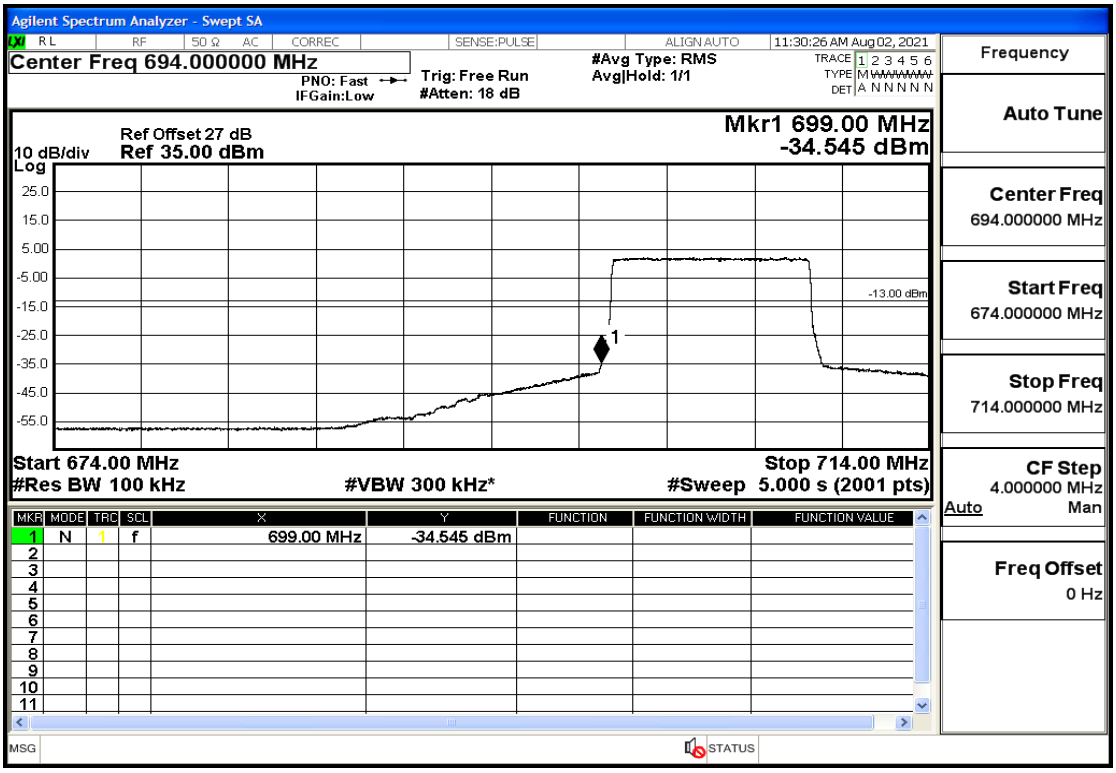
Band12-10-704-QPSK-50#LOW@Pass



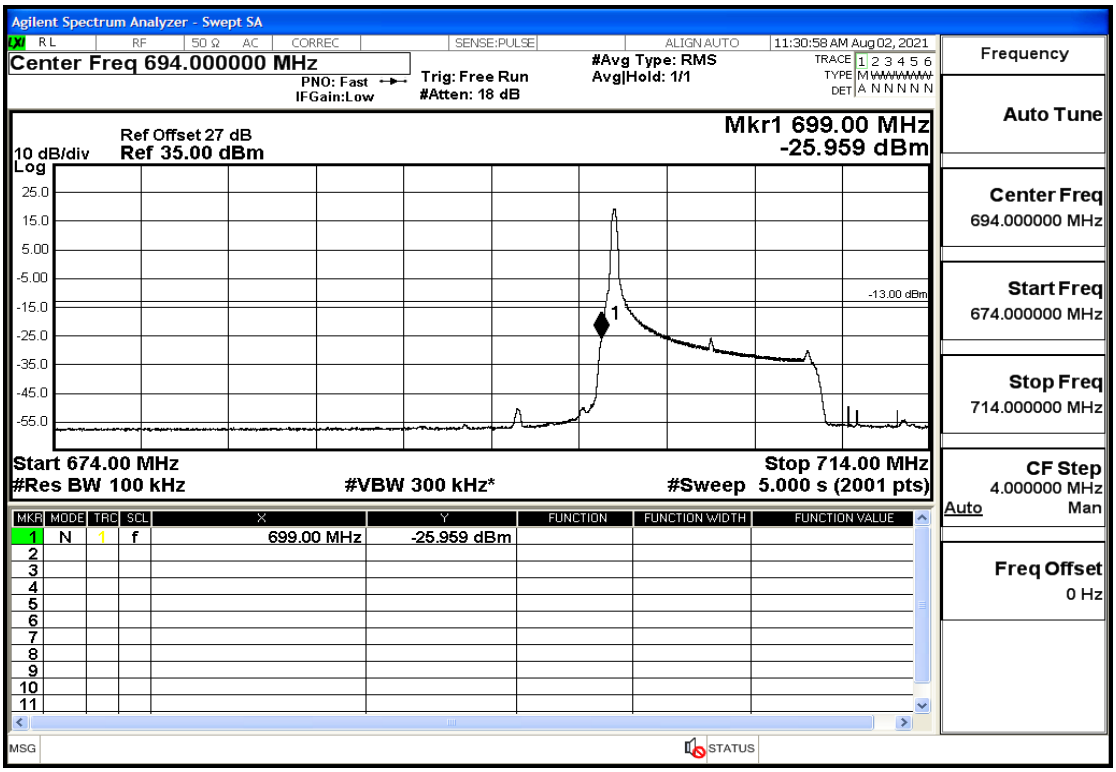
Band12-10-704-QPSK-1#LOW@Pass



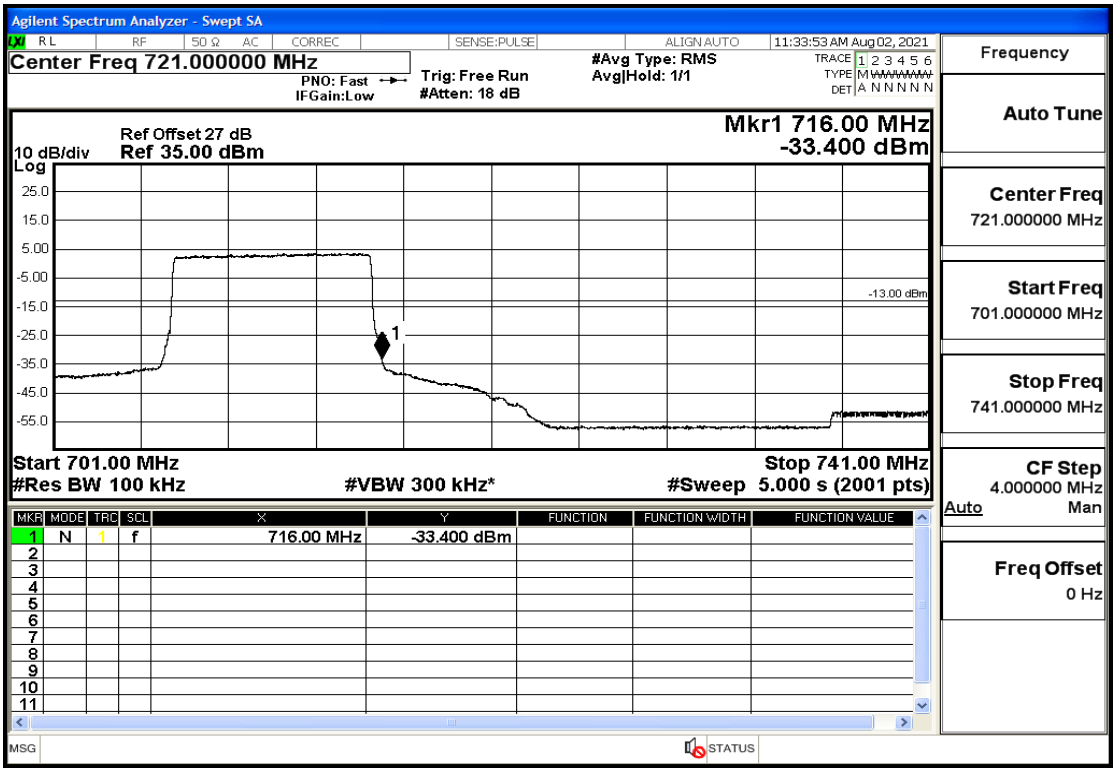
Band12-10-704-16QAM-50#LOW@Pass



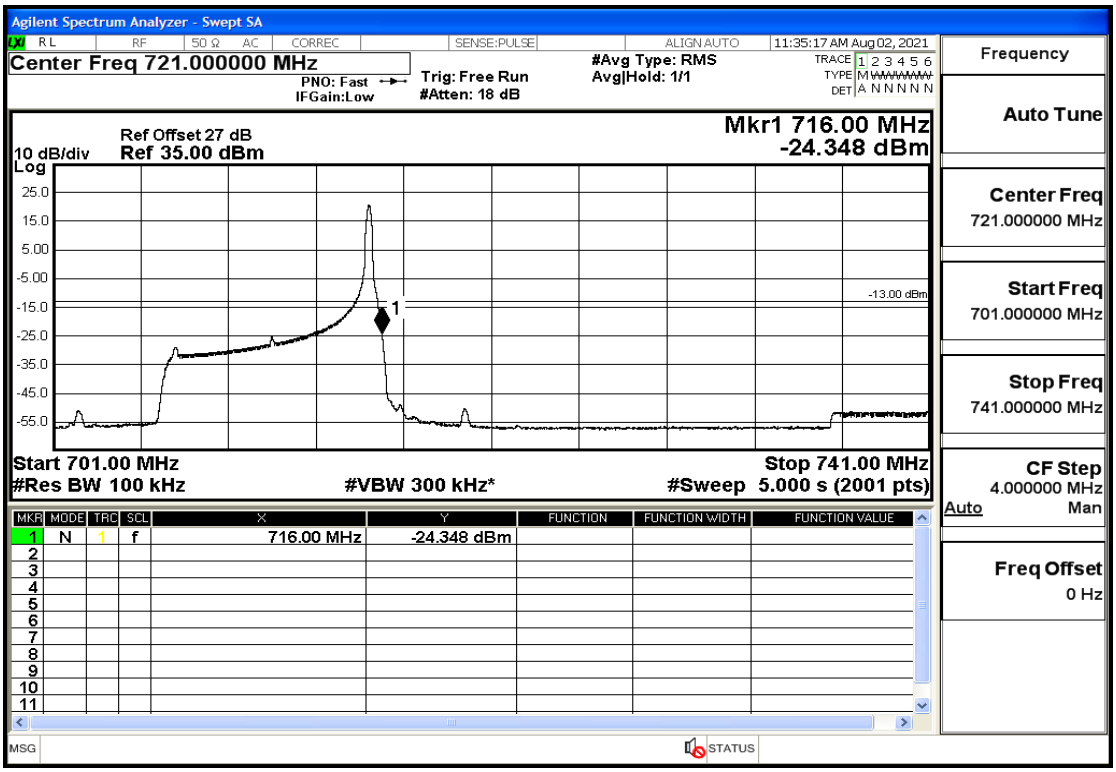
Band12-10-704-16QAM-1#LOW@Pass



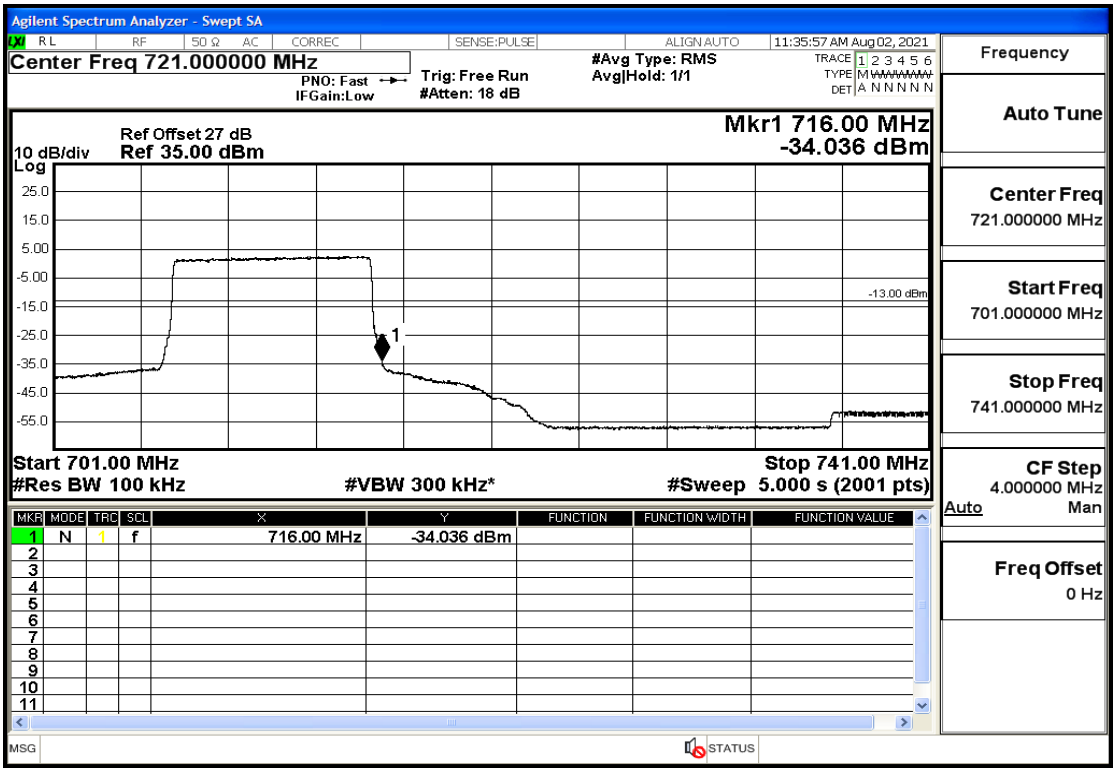
Band12-10-711-QPSK-50#LOW@Pass



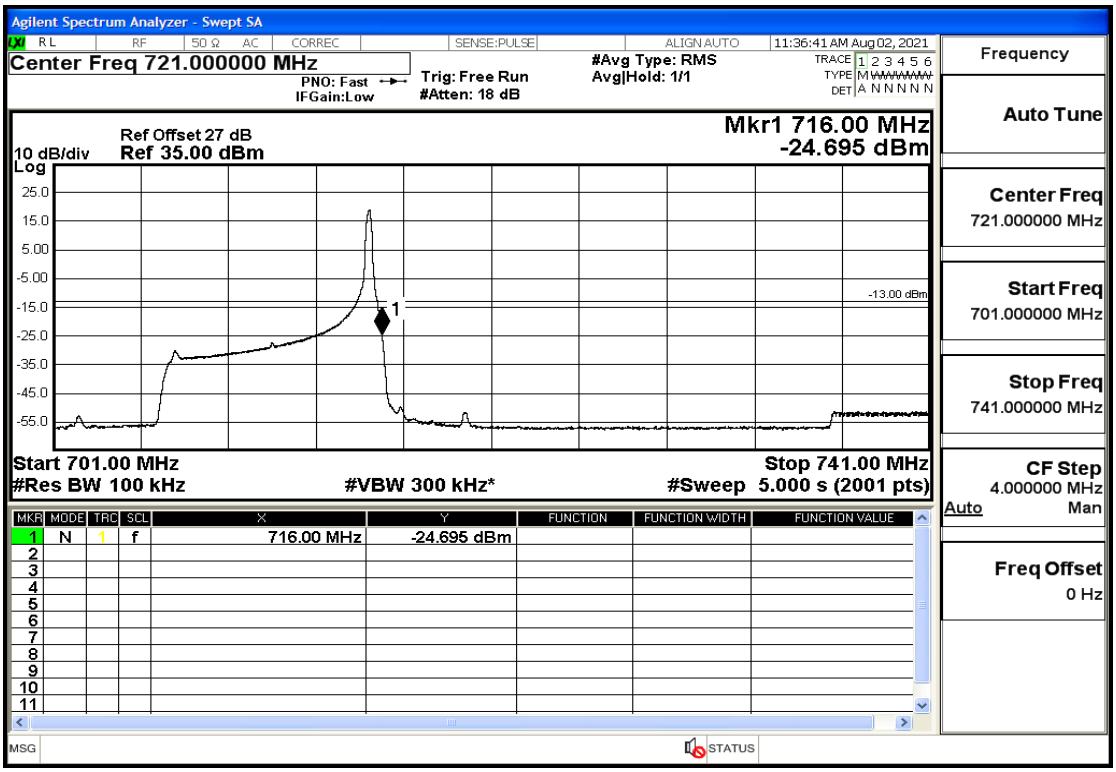
Band12-10-711-QPSK-1#HIGH@Pass



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



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

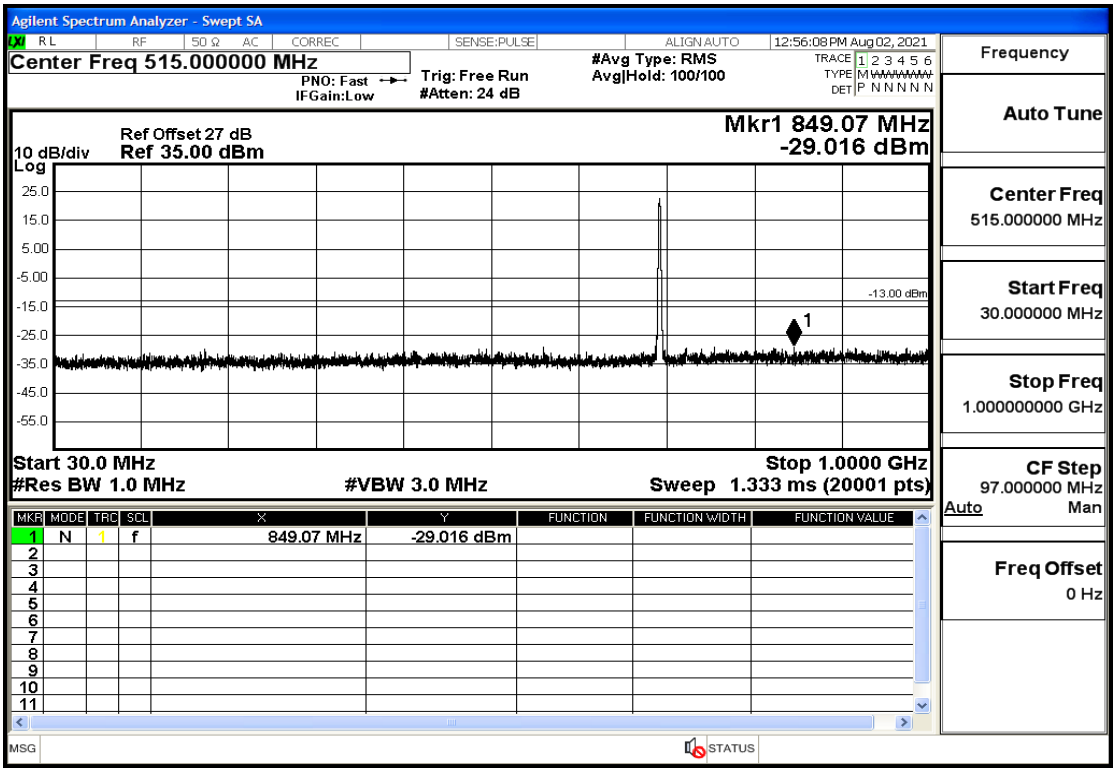


Conducted Spurious Emission

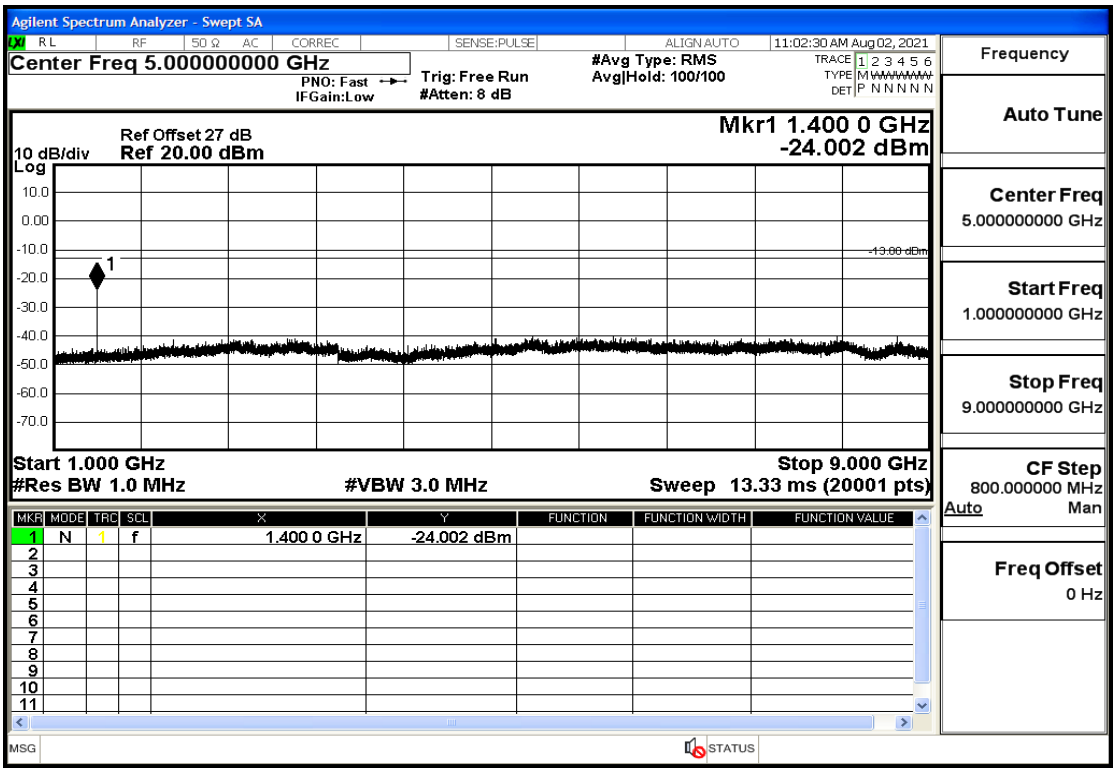
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Test Condition	Transmitter Spurious Emission(Pass/Fail)
OB12	1.4	699.7	QPSK	6	LOW	30mHz-1GHz	Pass
OB12	1.4	699.7	QPSK	6	LOW	1GHz-9GHz	Pass
OB12	1.4	699.7	QPSK	1	LOW	30mHz-1GHz	Pass
OB12	1.4	699.7	QPSK	1	LOW	1GHz-9GHz	Pass
OB12	1.4	699.7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



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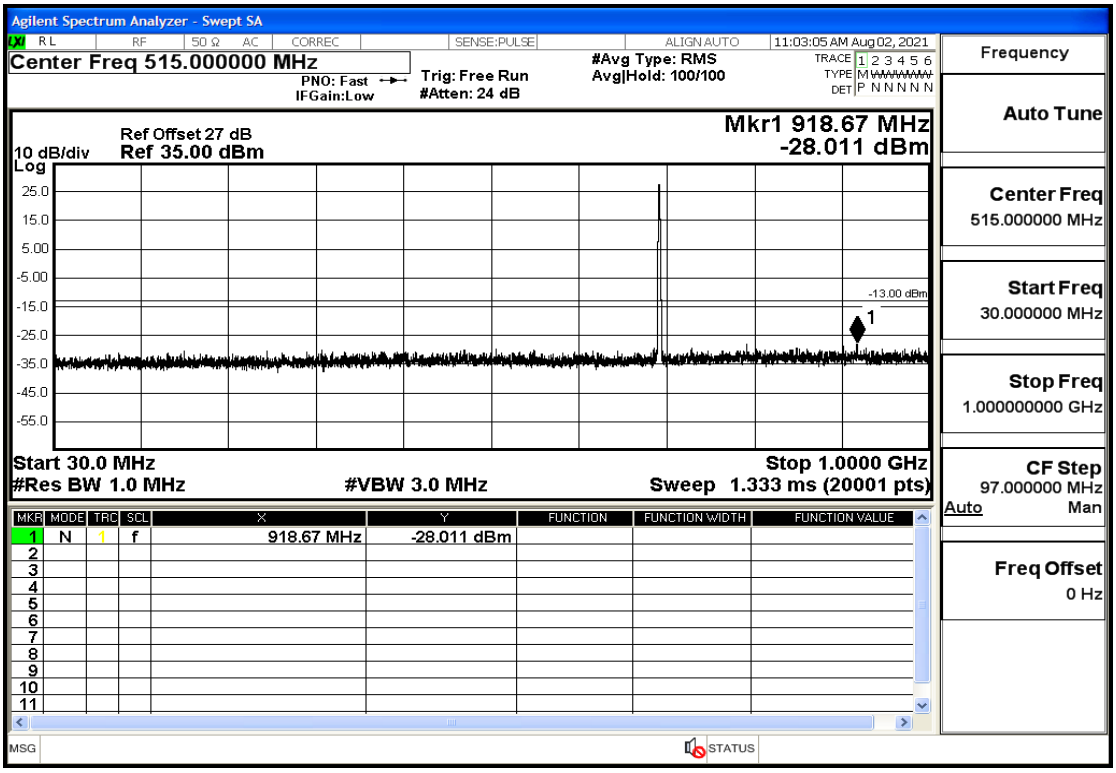

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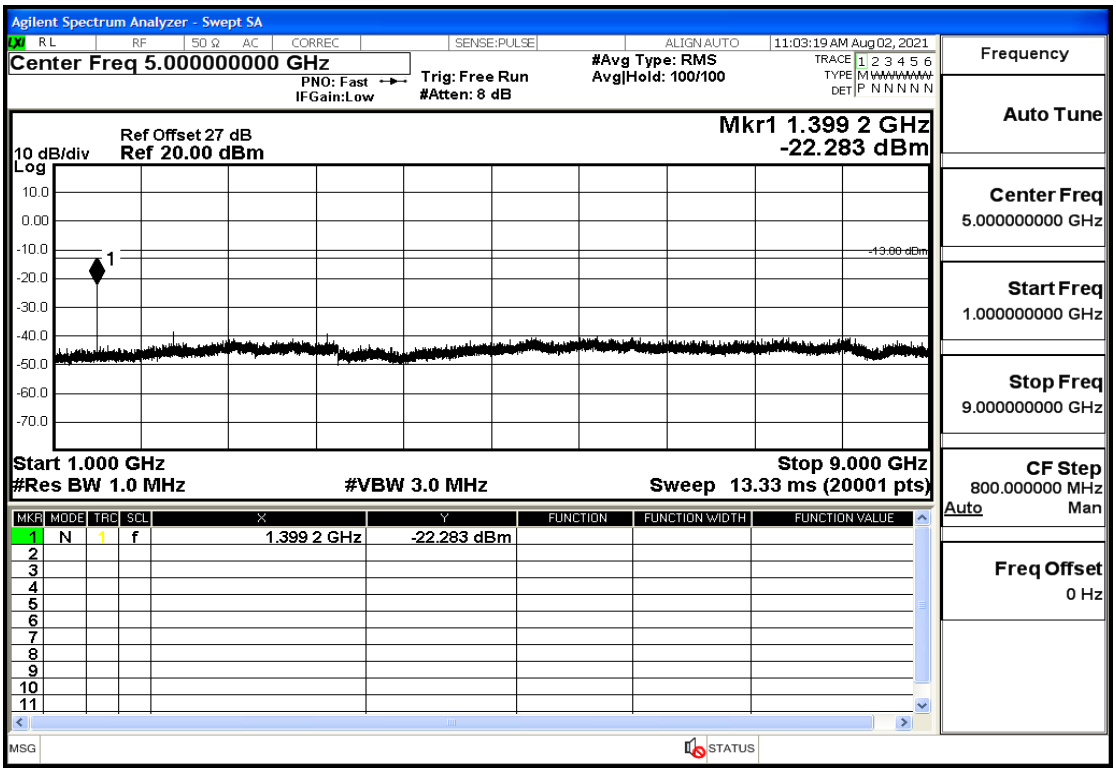

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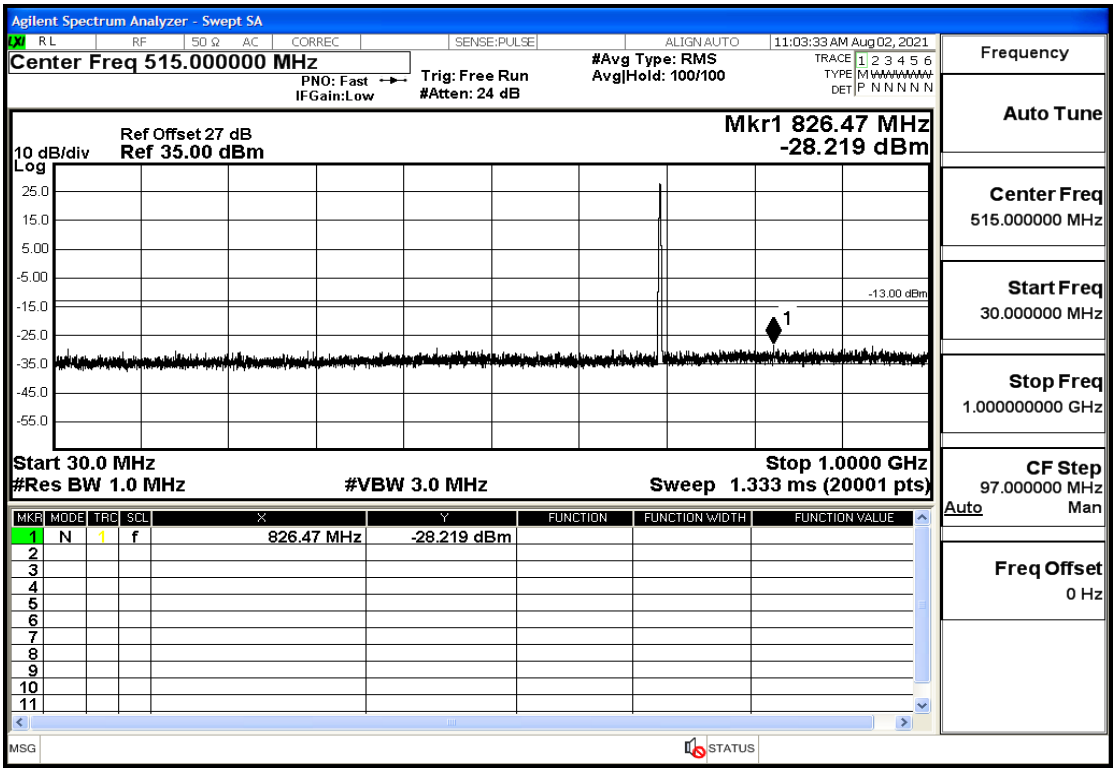

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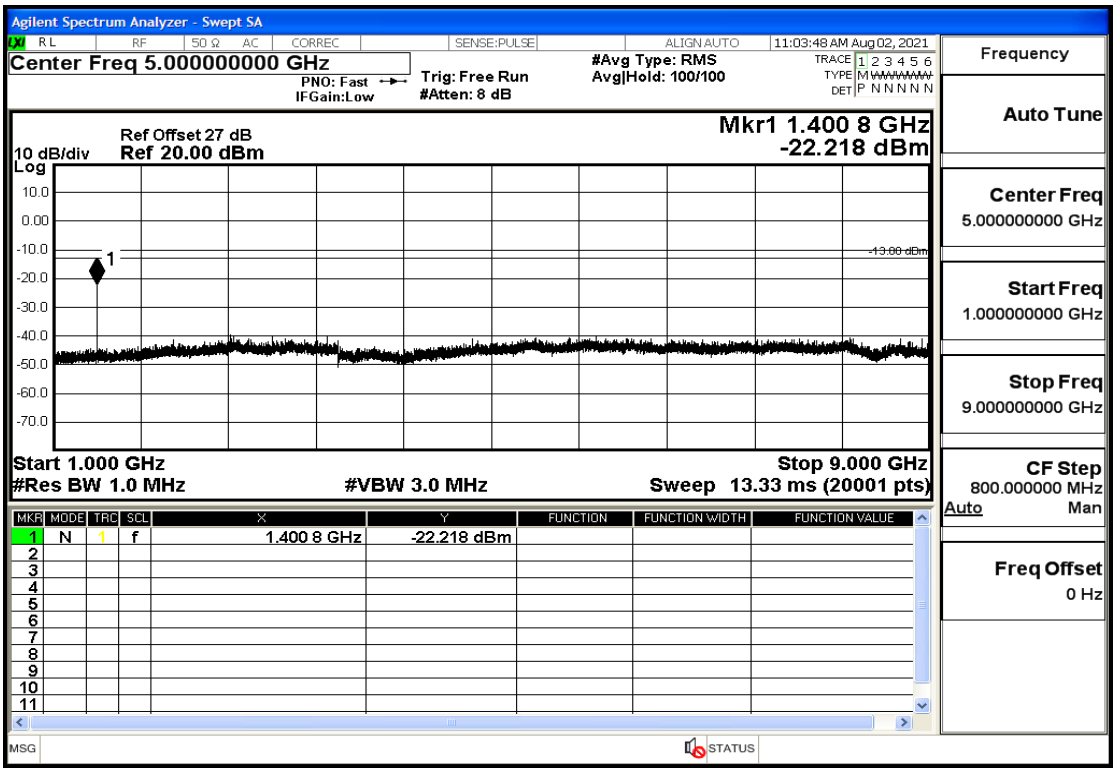

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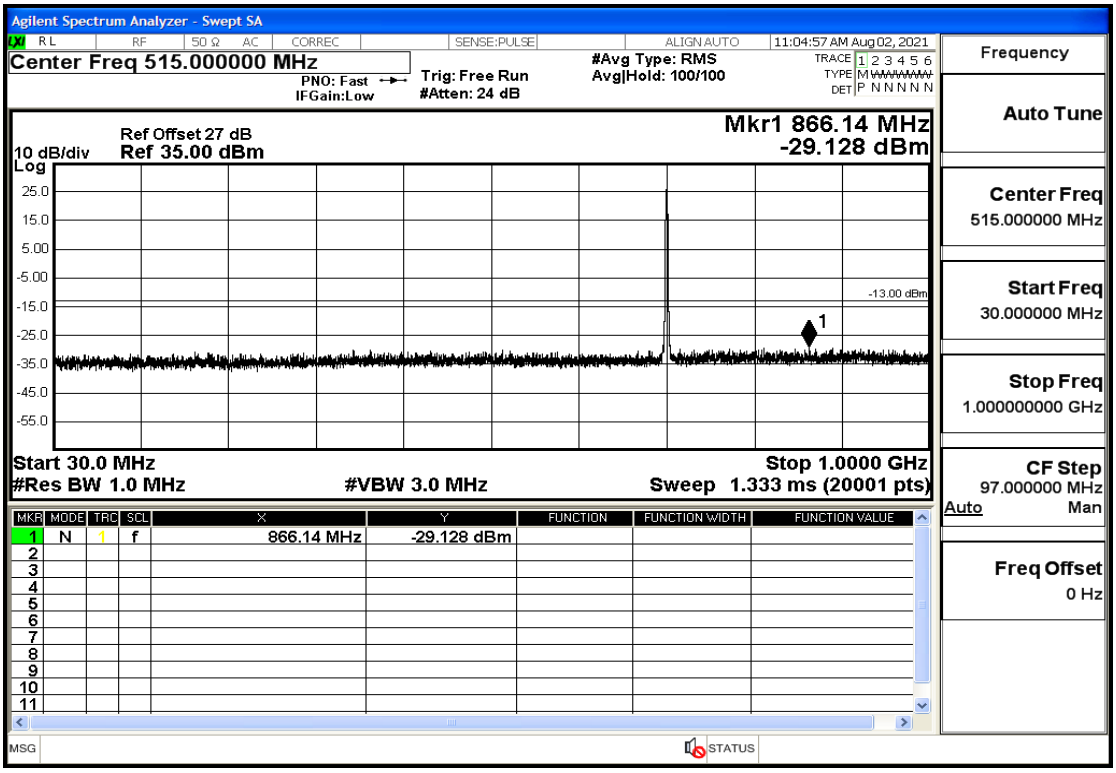

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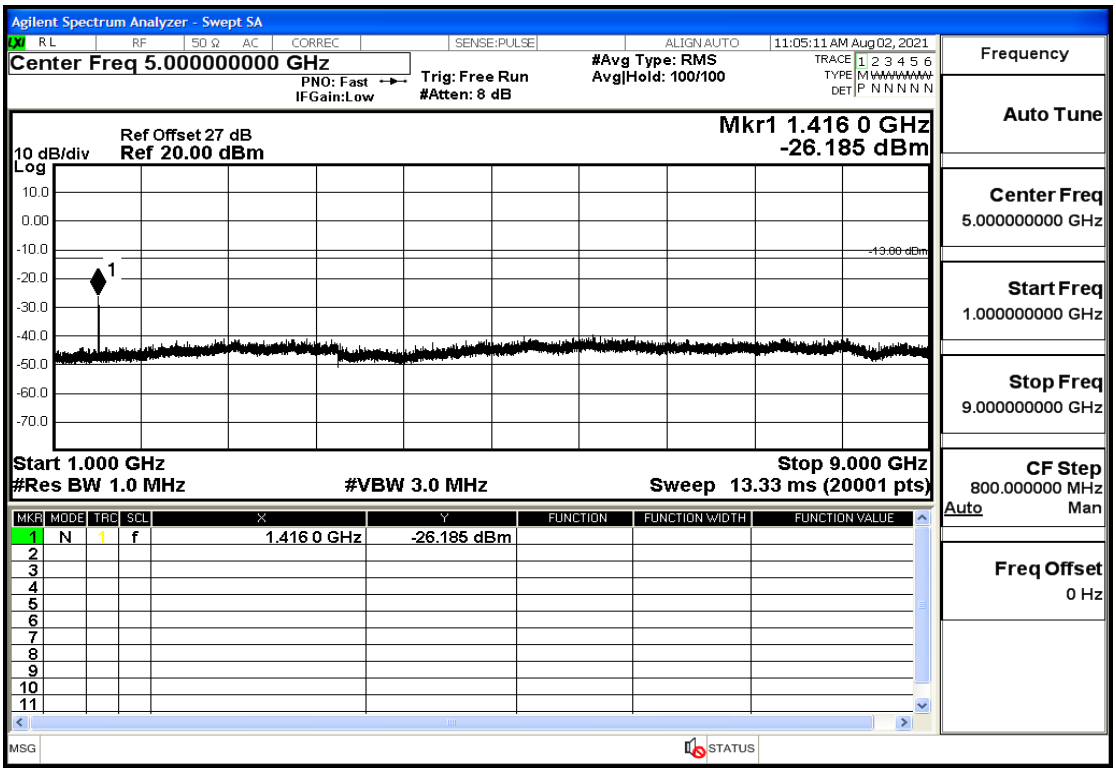

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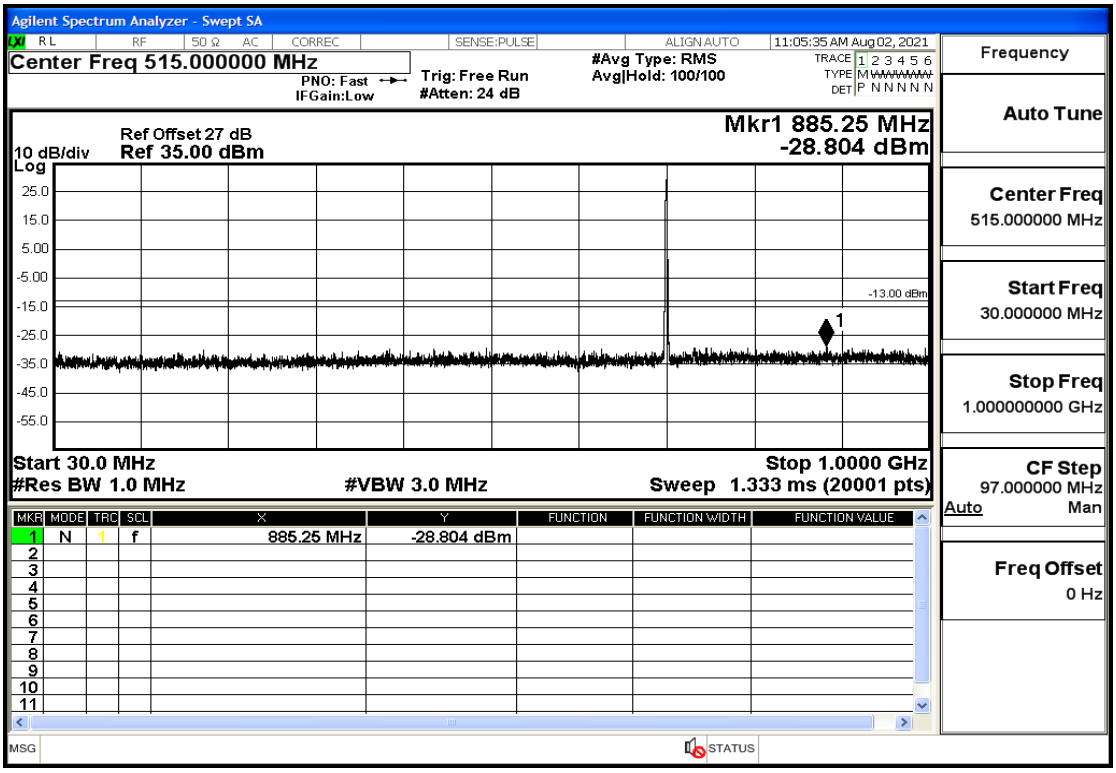

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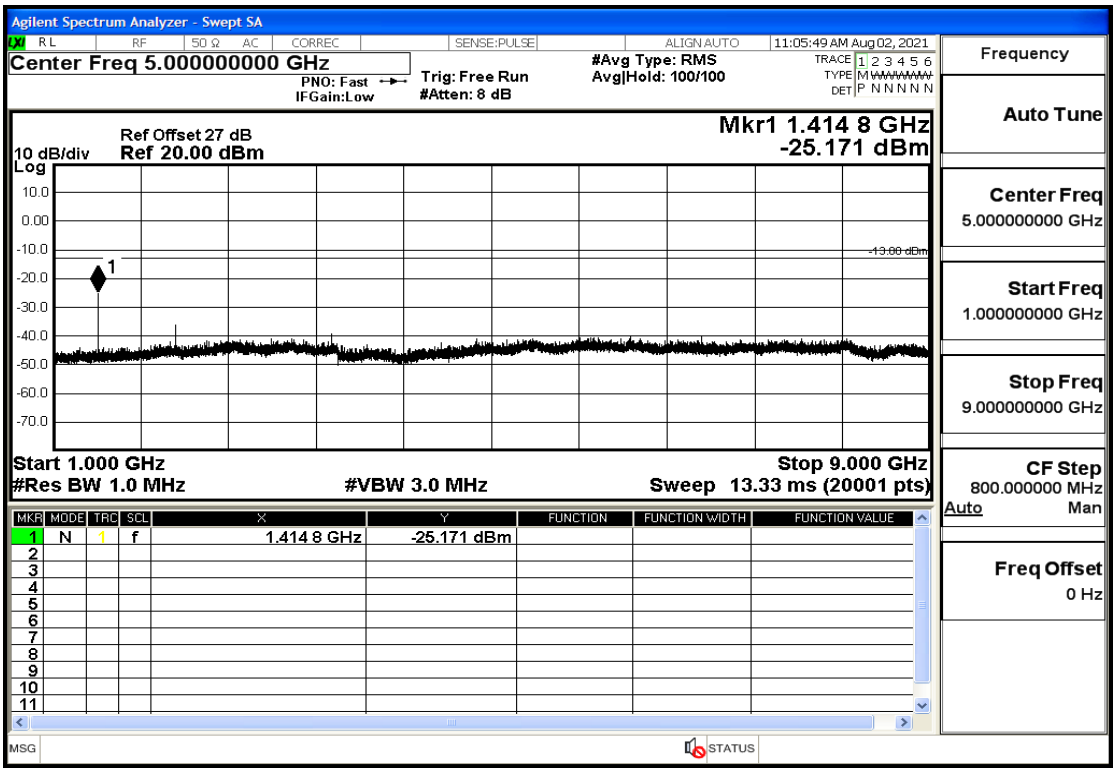
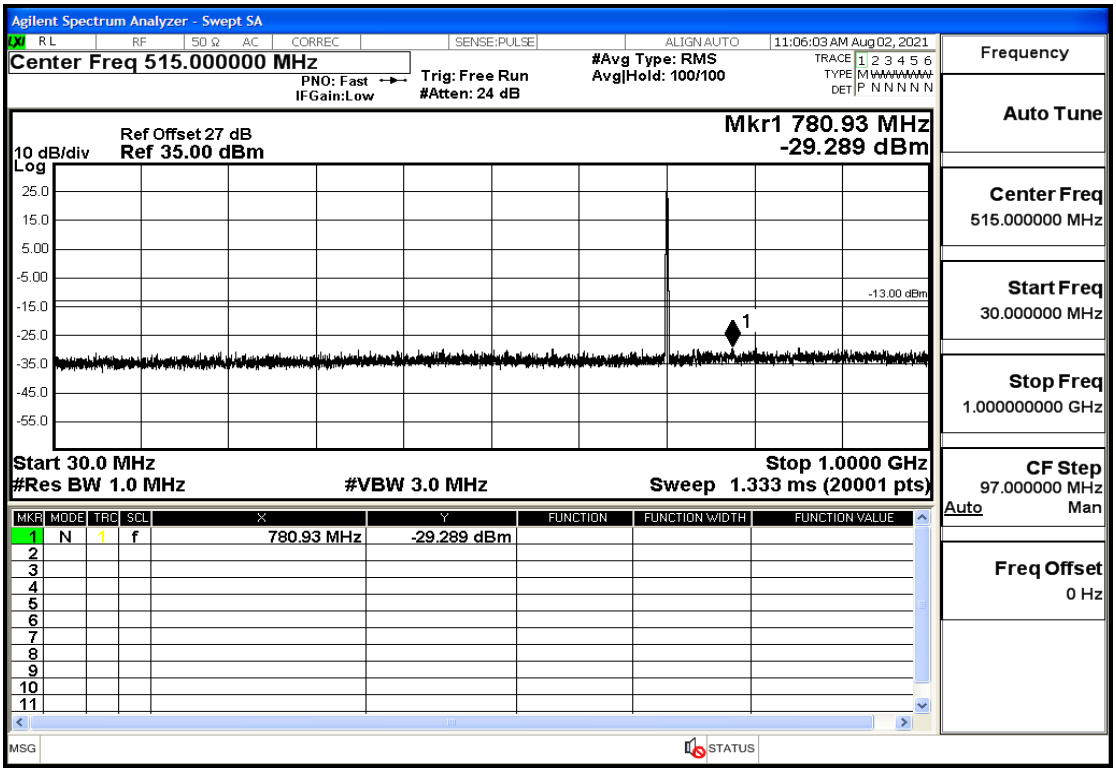


OB12-1.4-707.5-QPSK-1#HIGH@30mHz-1GHz@Pass



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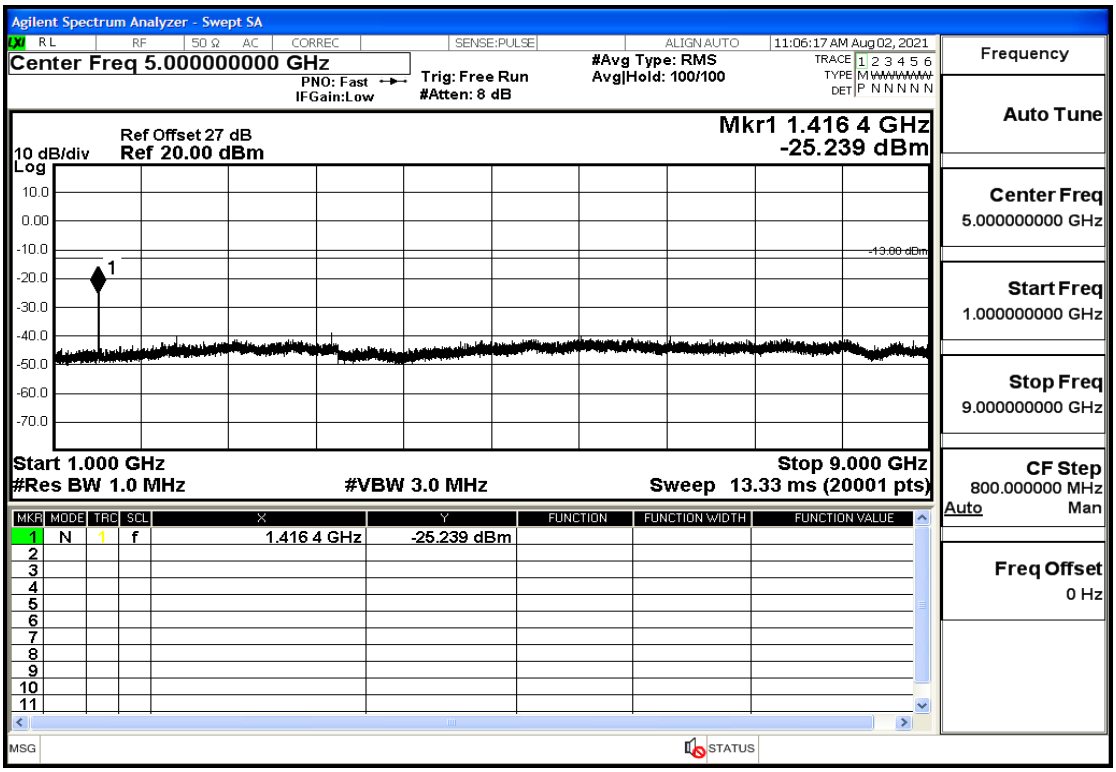

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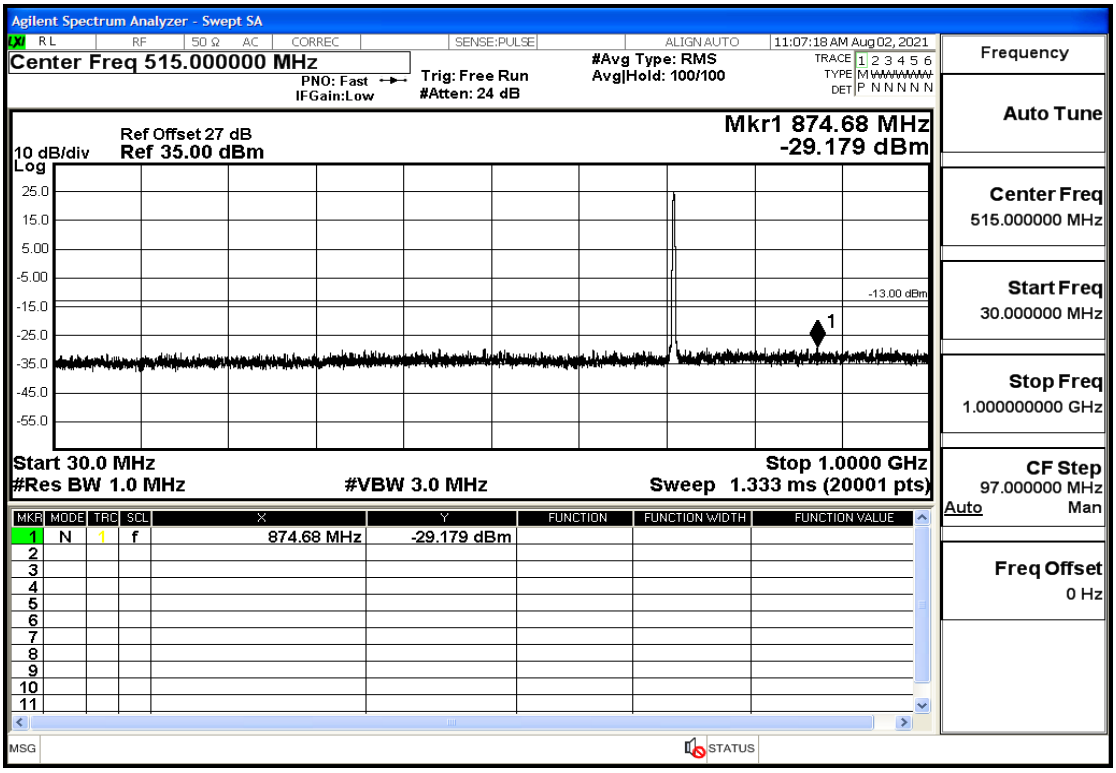
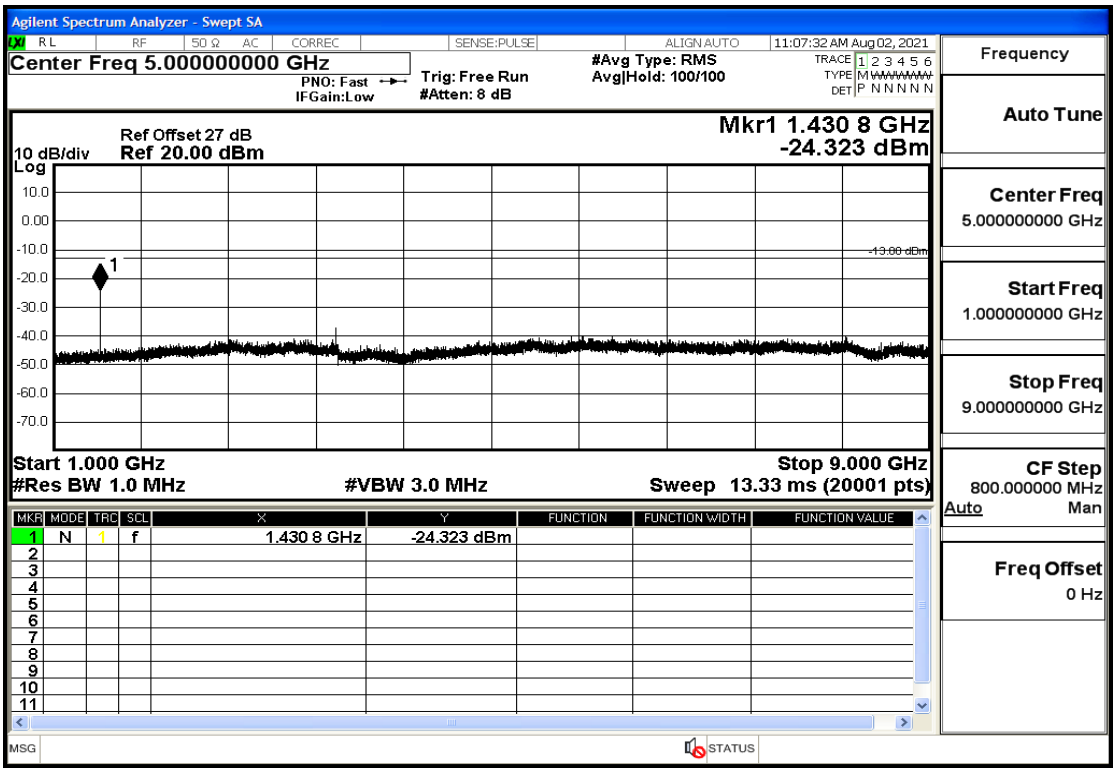
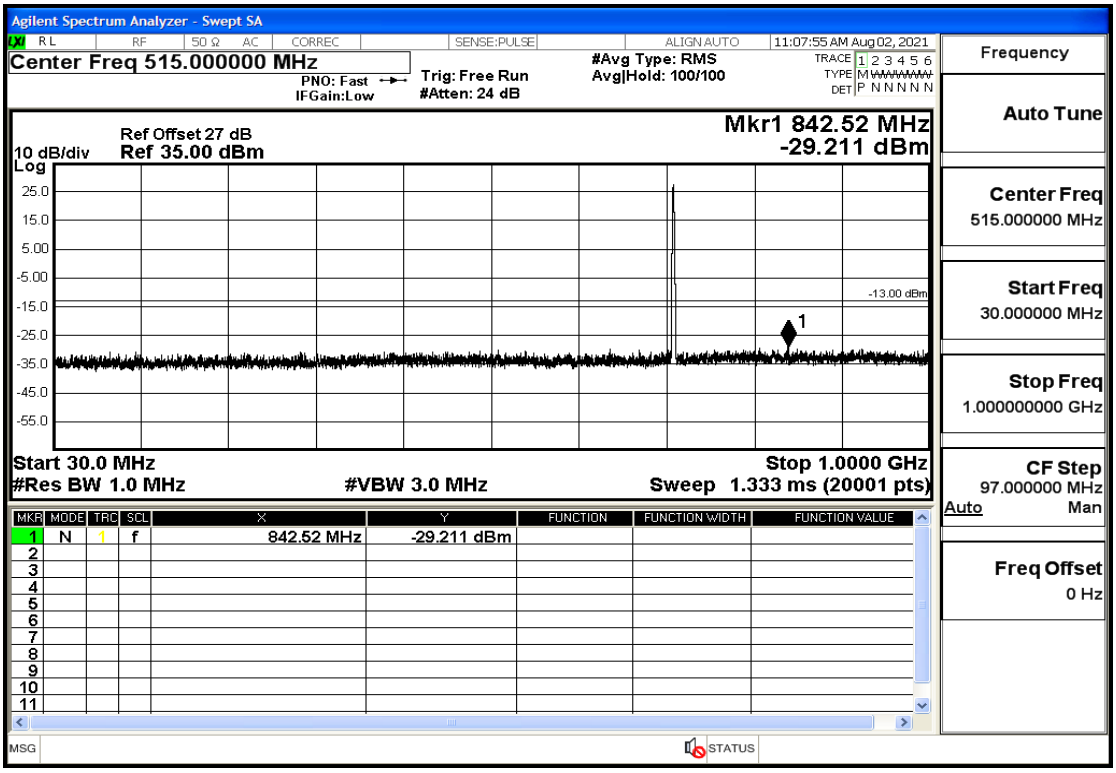


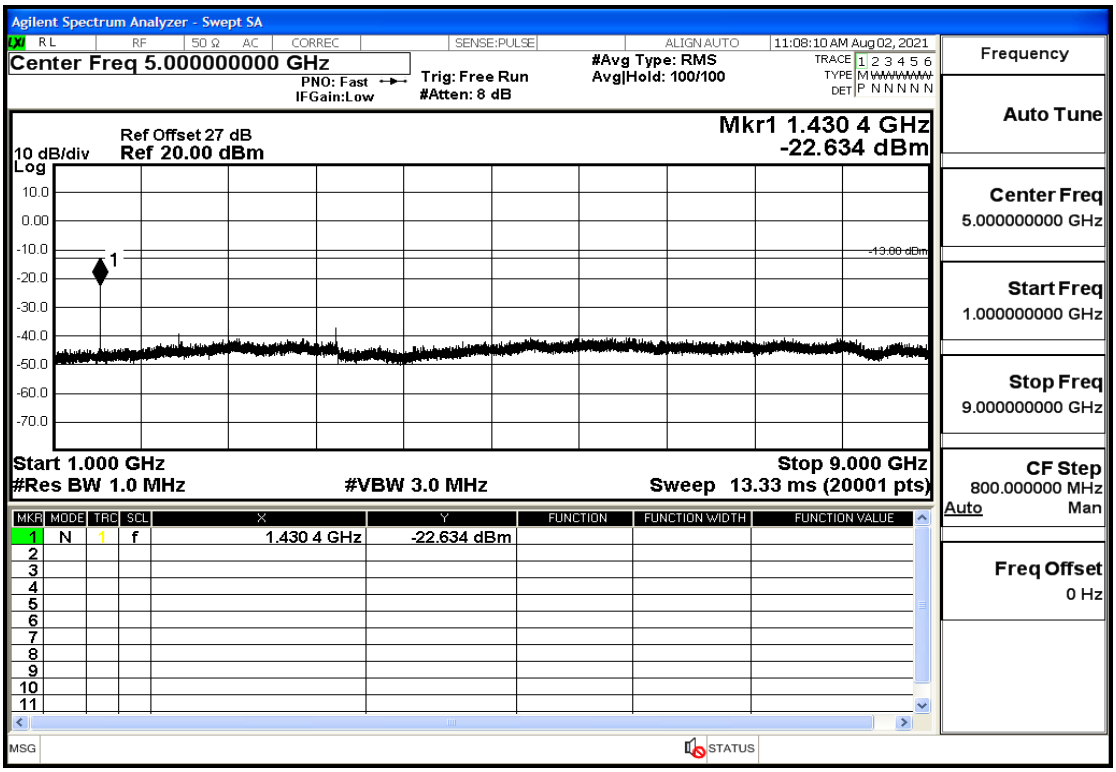
OB12-1.4-715.3-QPSK-6#LOW@1GHz-9GHz@Pass



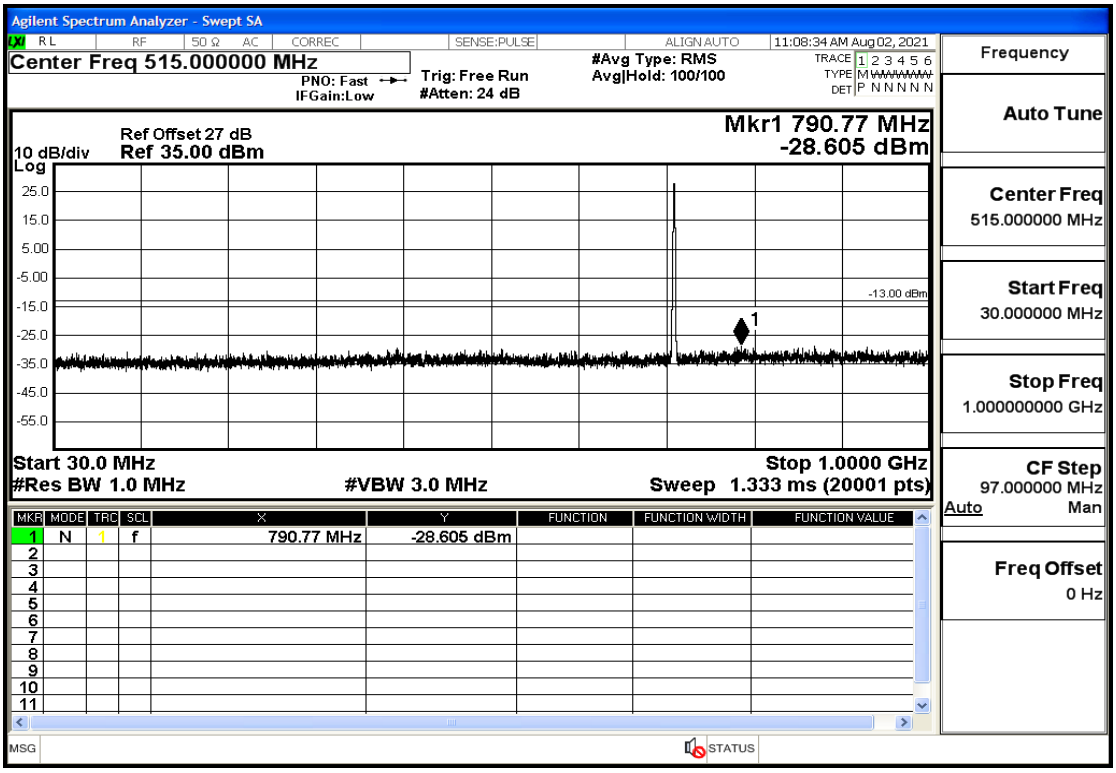
OB12-1.4-715.3-QPSK-1#LOW@30mHz-1GHz@Pass



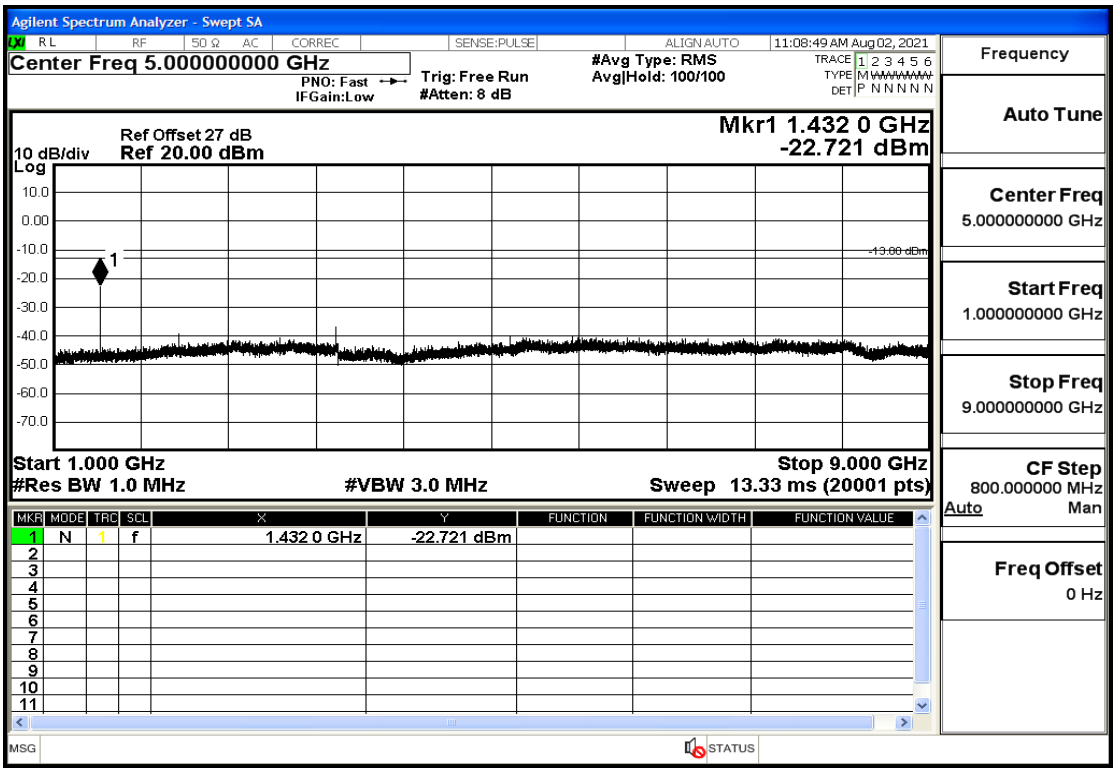
OB12-1.4-715.3-QPSK-1#LOW@1GHz-9GHz@Pass



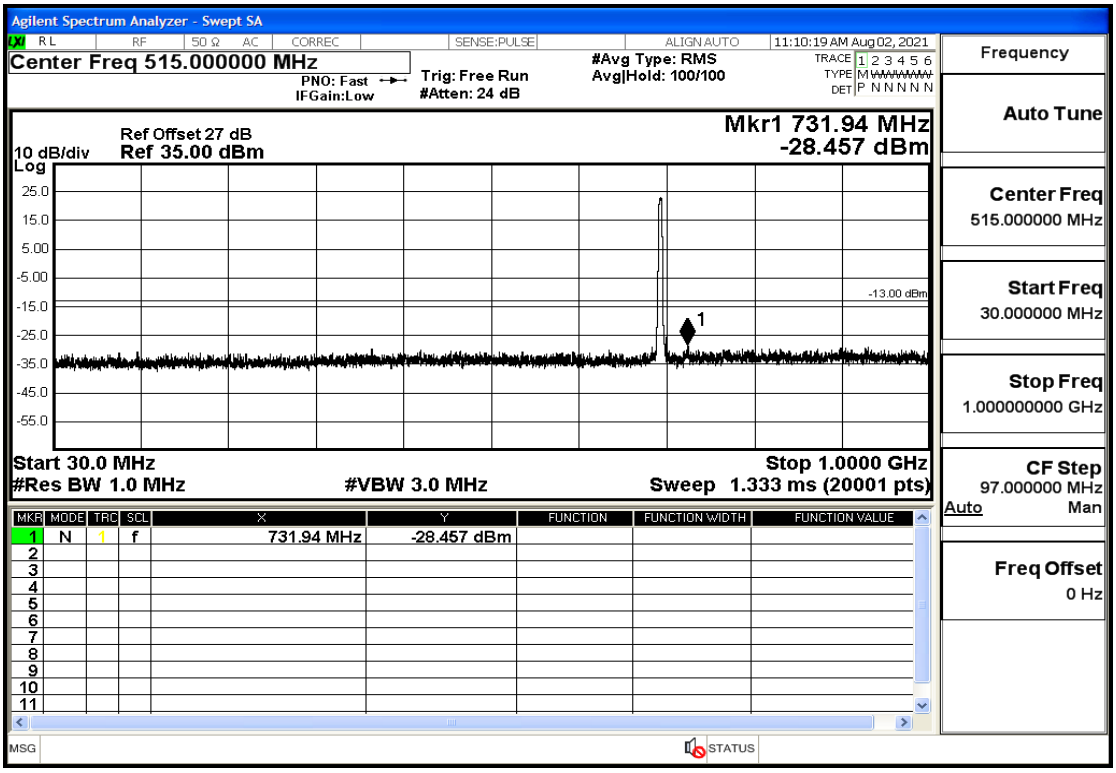
OB12-1.4-715.3-QPSK-1#HIGH@30mHz-1GHz@Pass



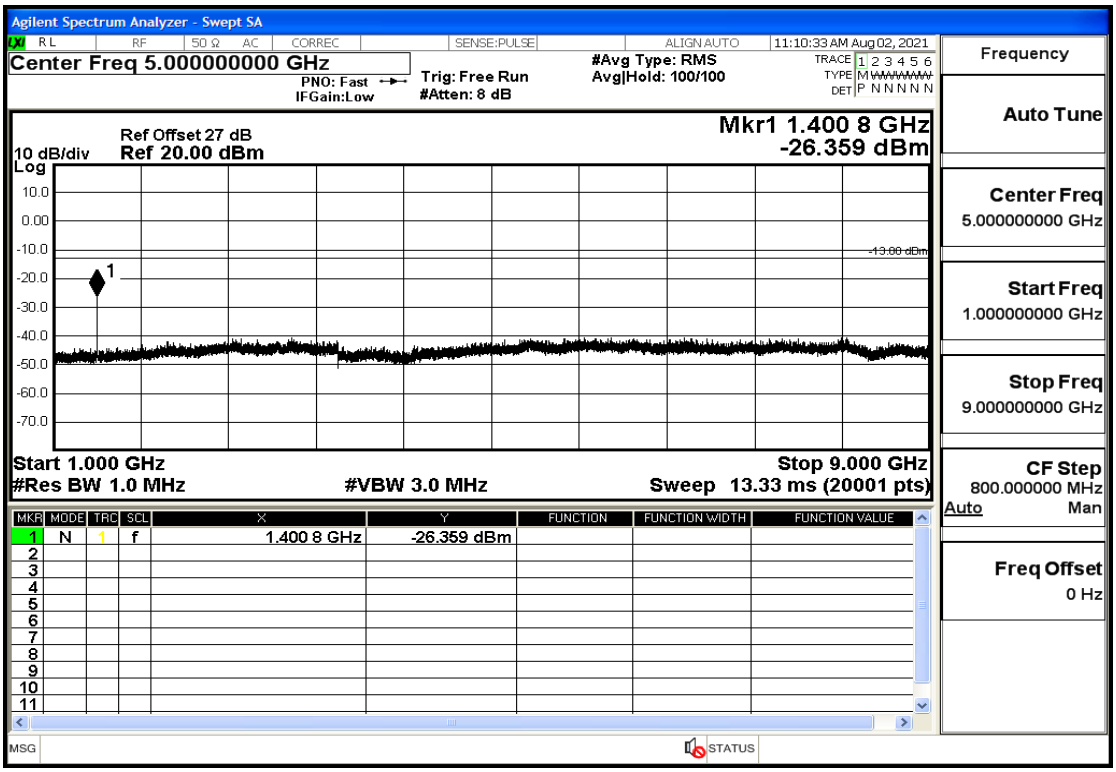
OB12-1.4-715.3-QPSK-1#HIGH@1GHz-9GHz@Pass



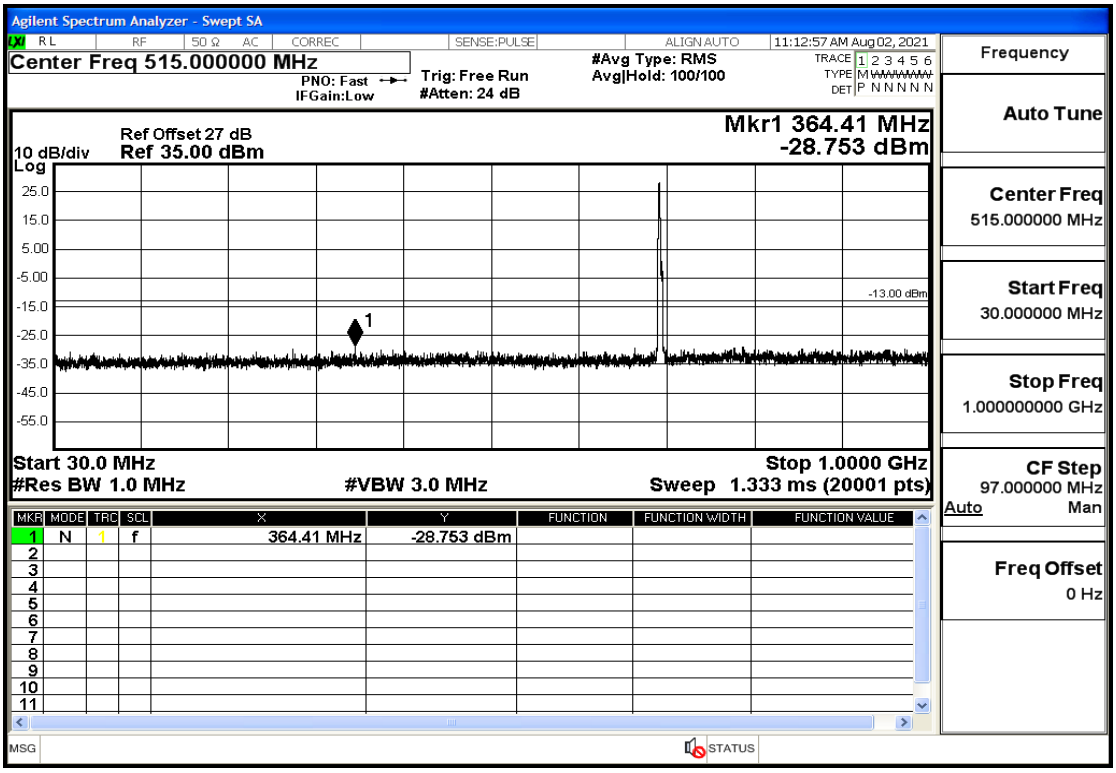
OB12-3-700.5-QPSK-15#LOW@30mHz-1GHz@Pass



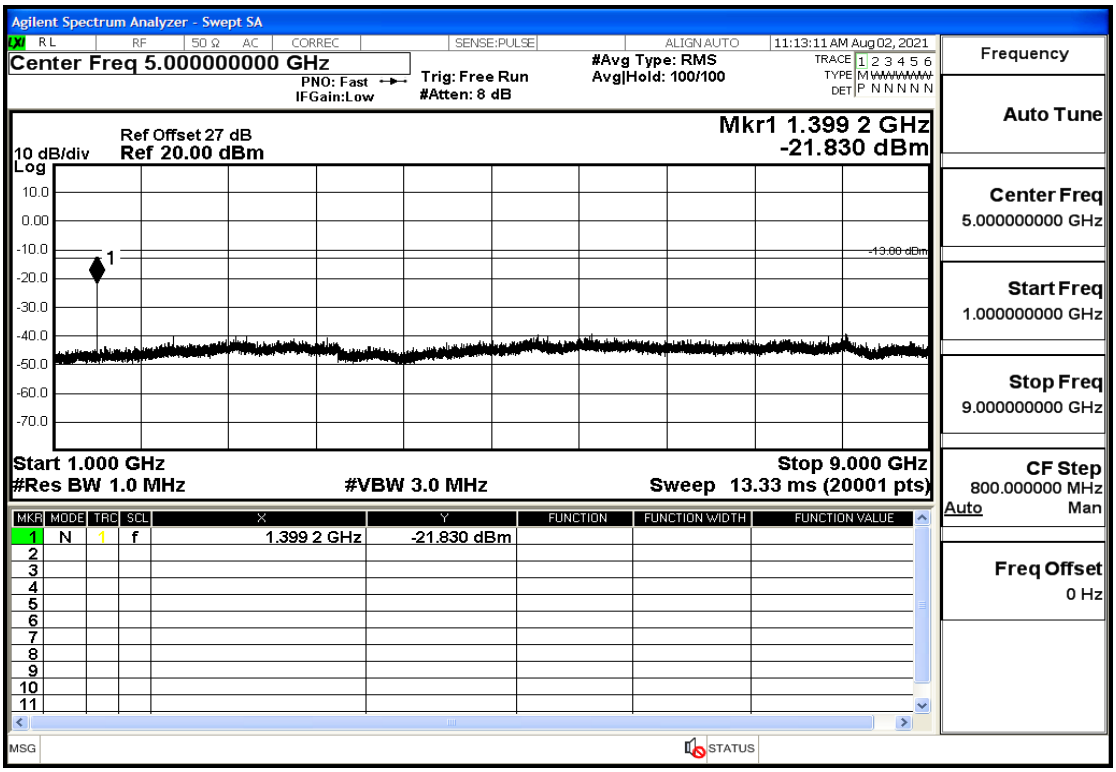
OB12-3-700.5-QPSK-15#LOW@1GHz-9GHz@Pass



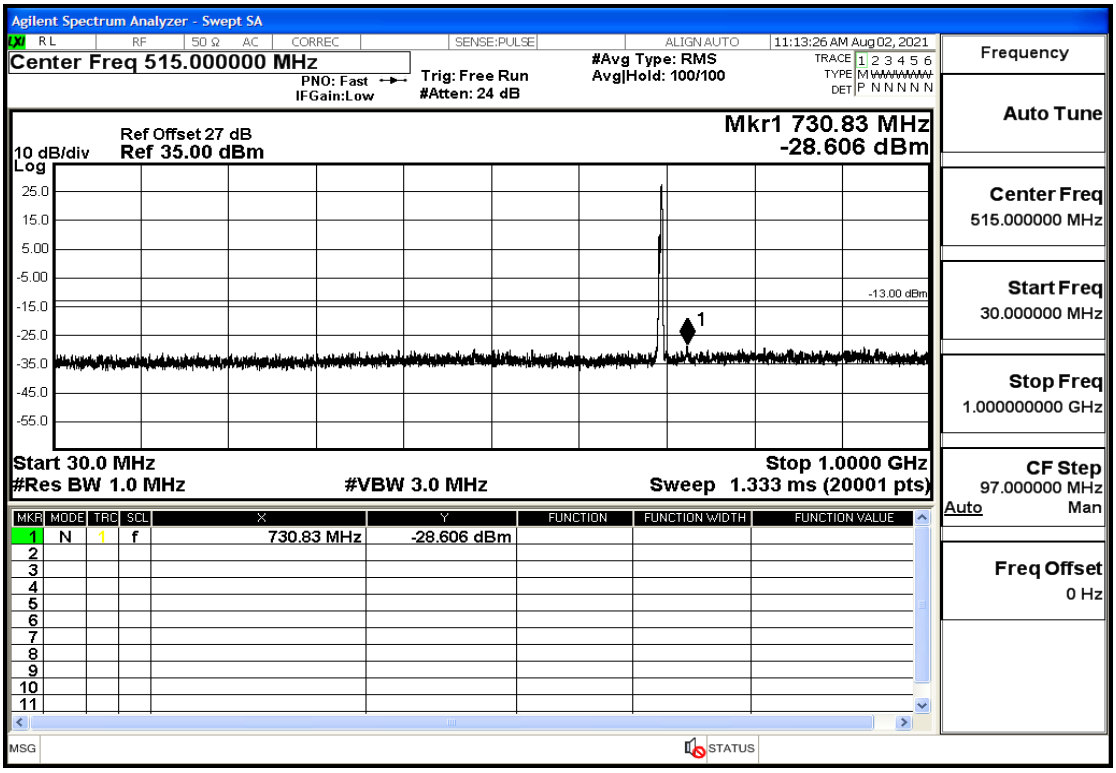
OB12-3-700.5-QPSK-1#LOW@30mHz-1GHz@Pass



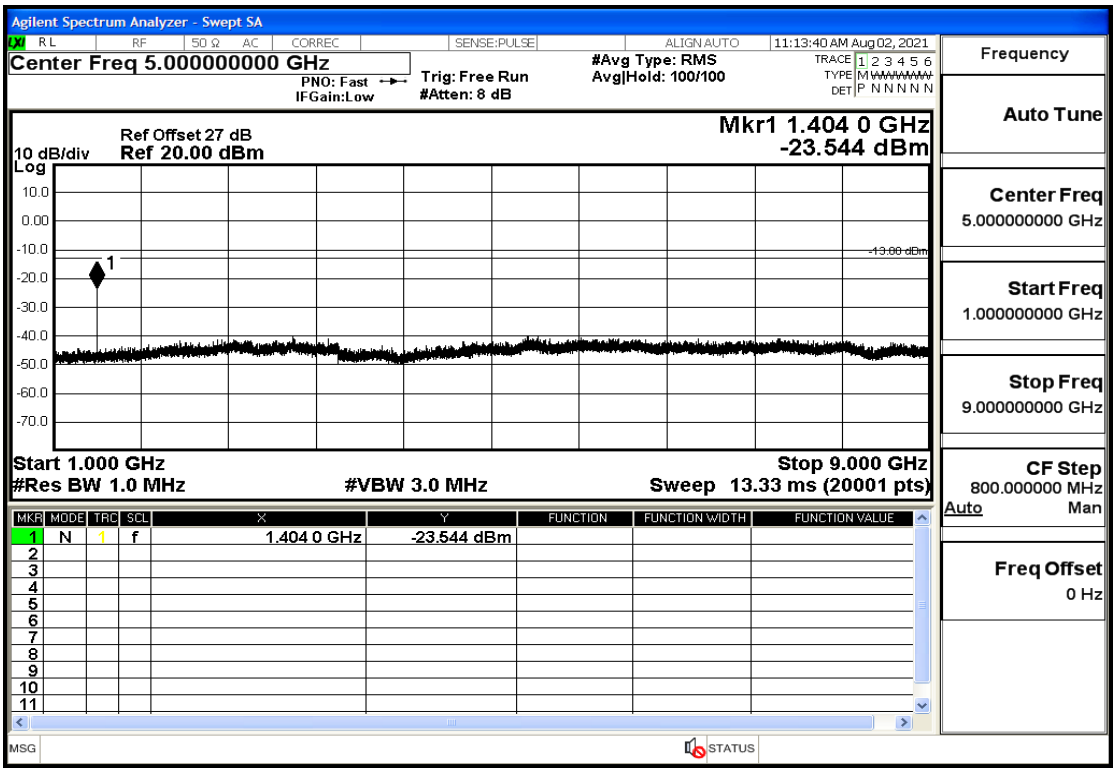
OB12-3-700.5-QPSK-1#LOW@1GHz-9GHz@Pass



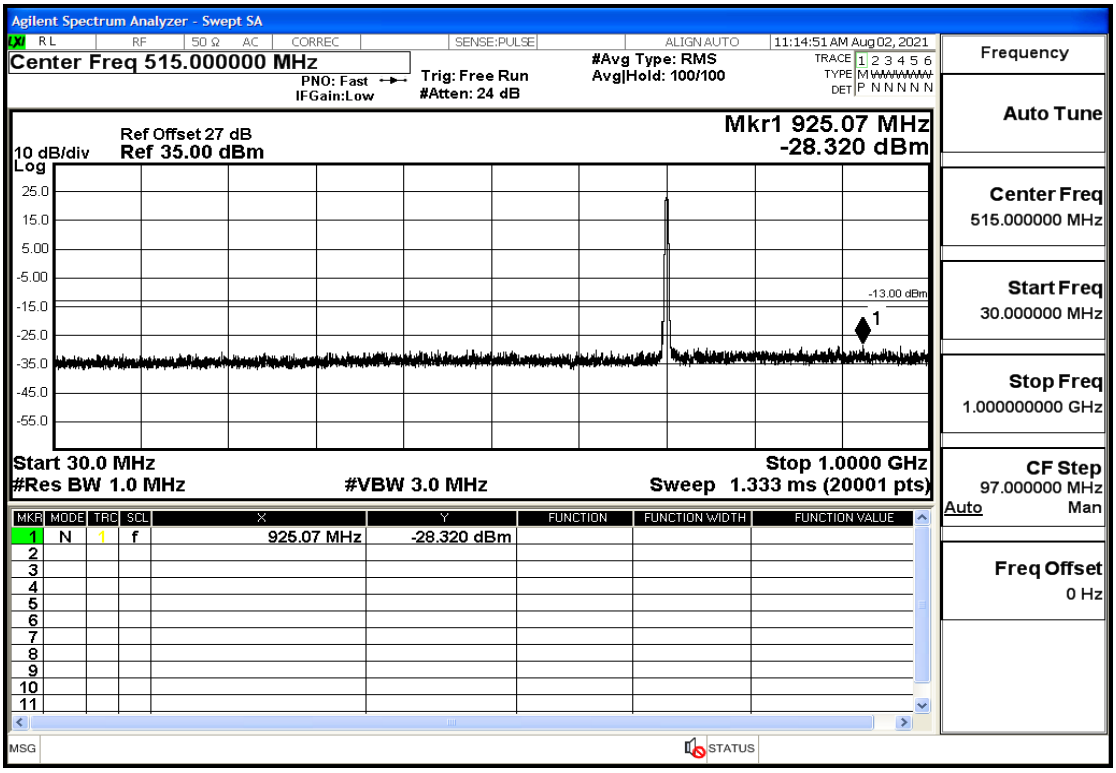
OB12-3-700.5-QPSK-1#HIGH@30mHz-1GHz@Pass



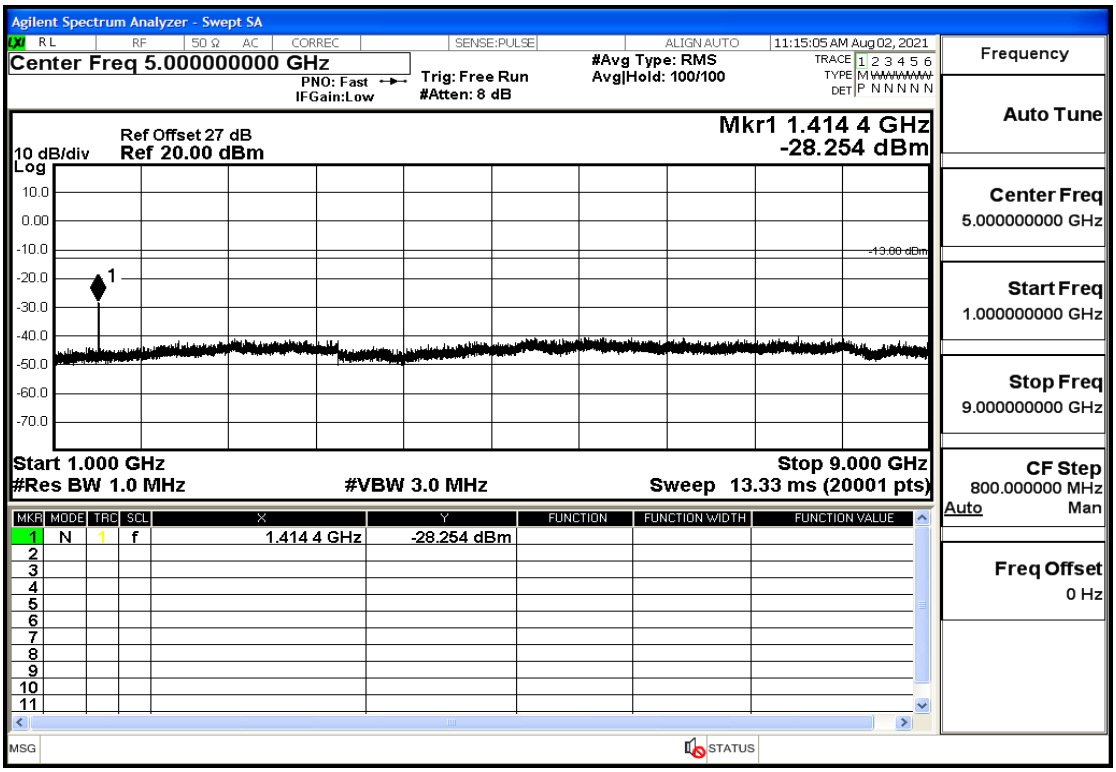
OB12-3-700.5-QPSK-1#HIGH@1GHz-9GHz@Pass



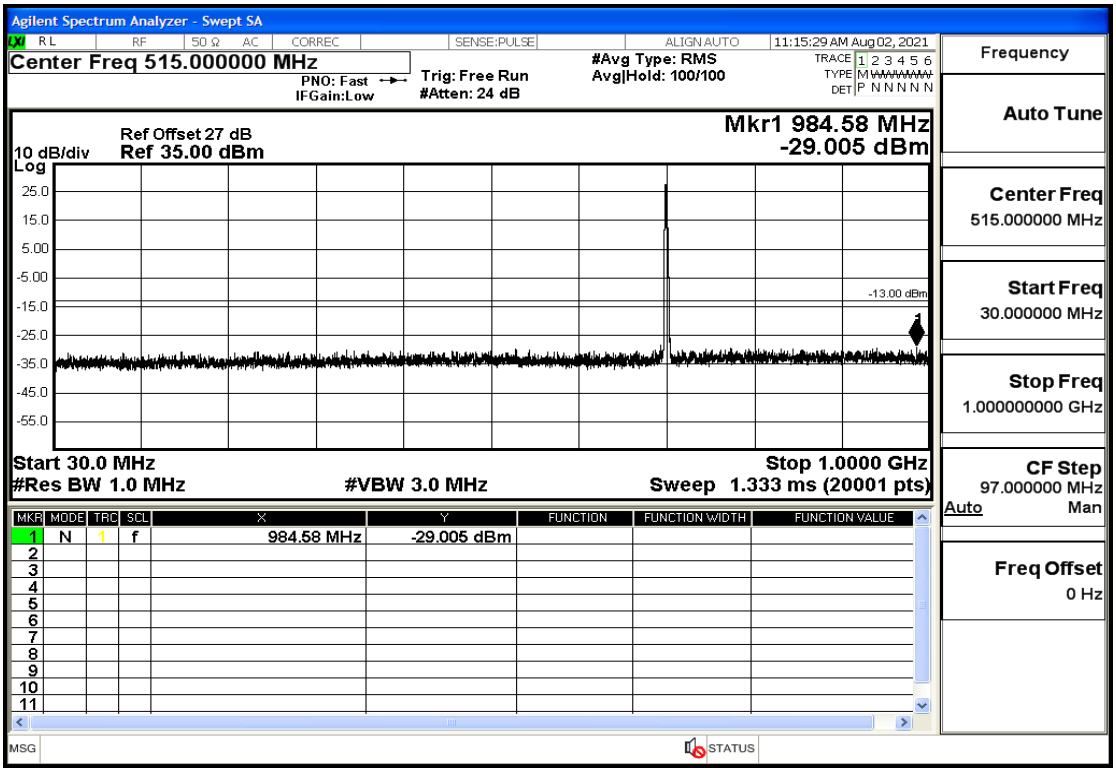
OB12-3-707.5-QPSK-15#LOW@30mHz-1GHz@Pass



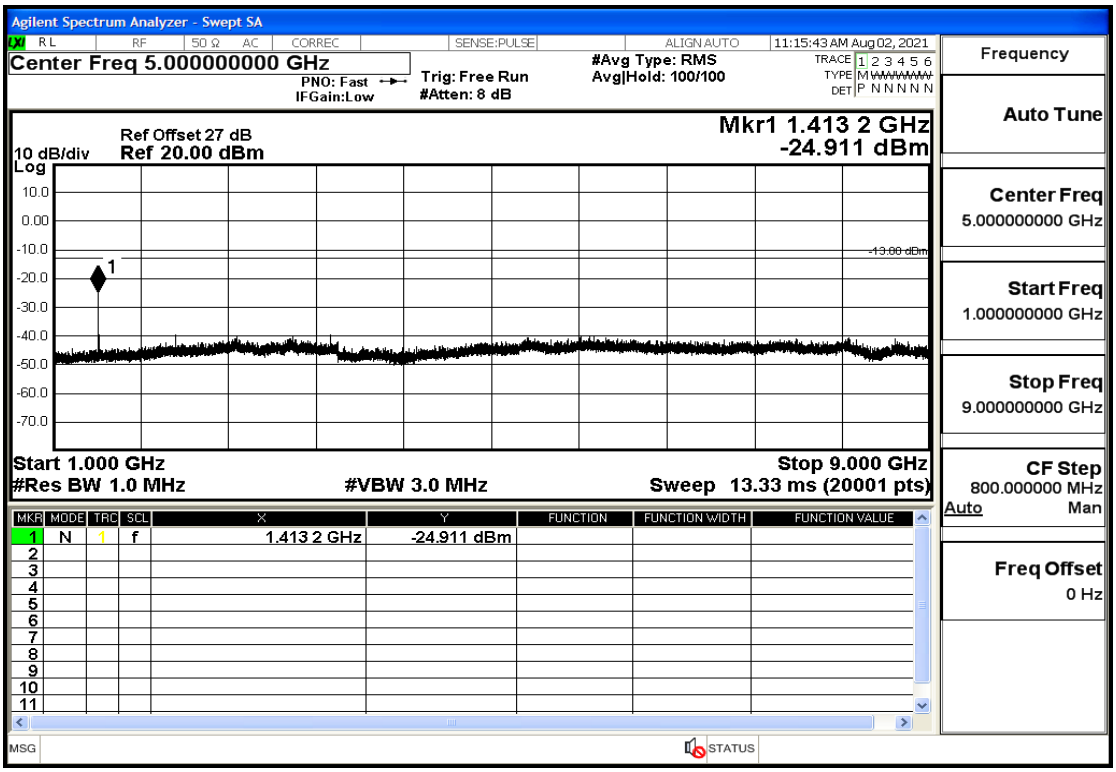
OB12-3-707.5-QPSK-15#LOW@1GHz-9GHz@Pass



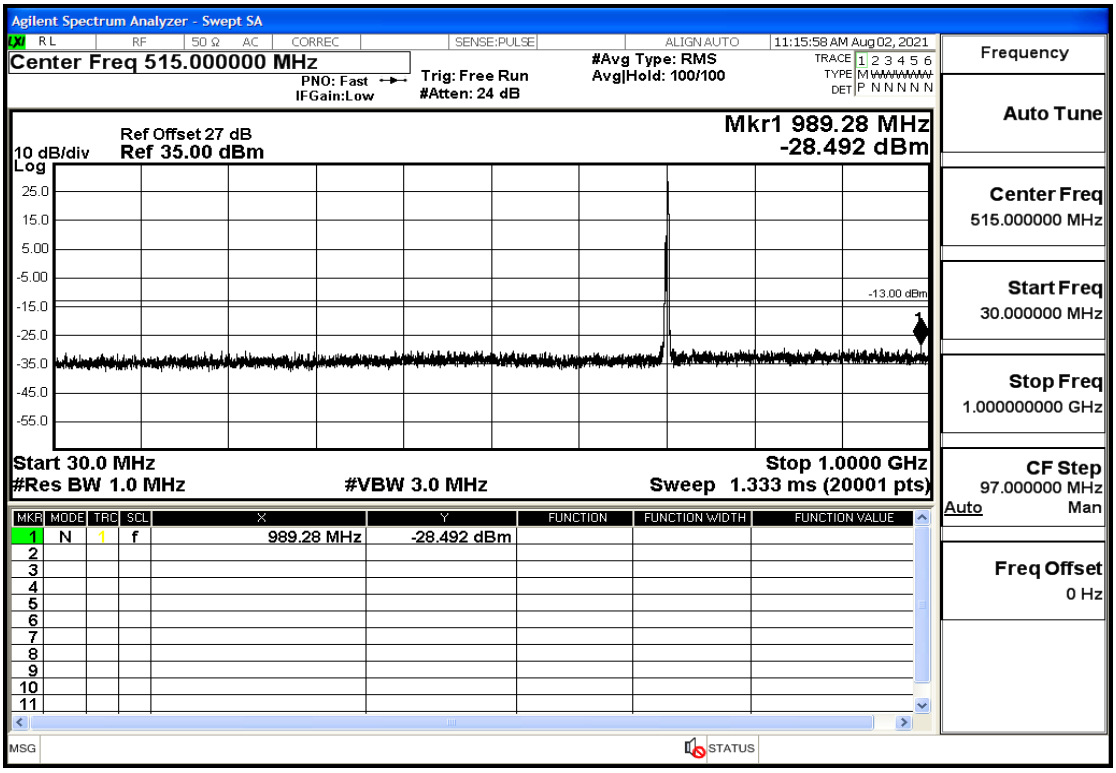
OB12-3-707.5-QPSK-1#LOW@30mHz-1GHz@Pass



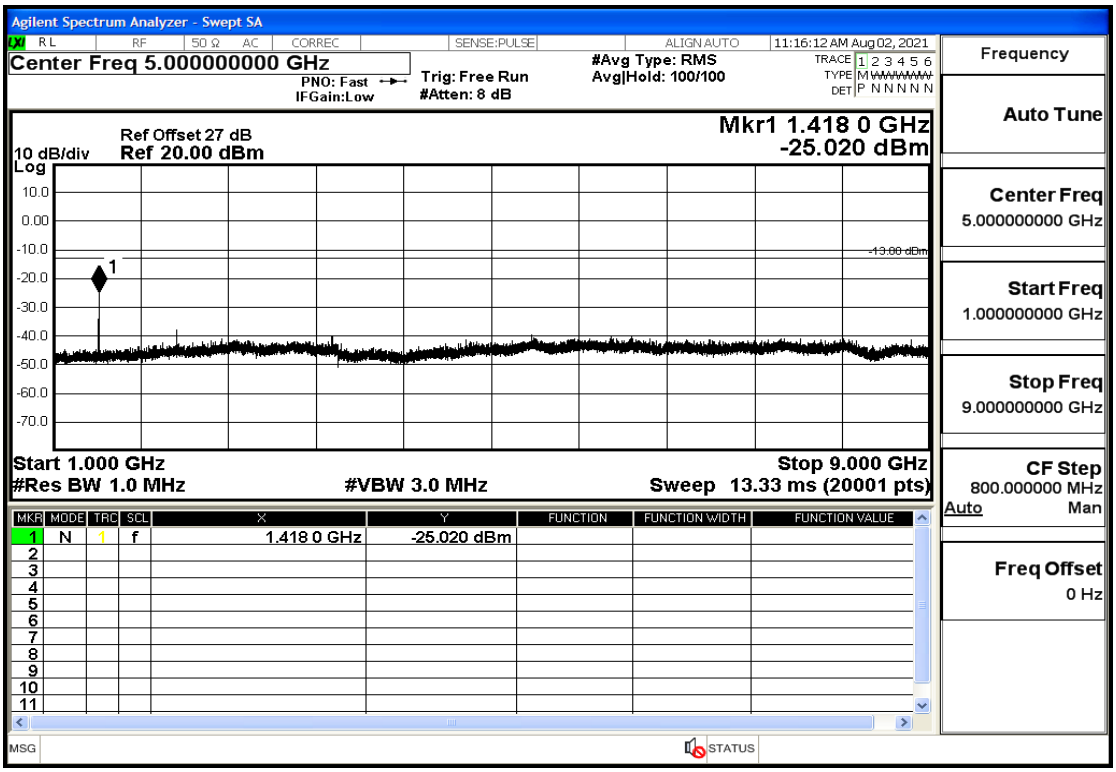
OB12-3-707.5-QPSK-1#LOW@1GHz-9GHz@Pass



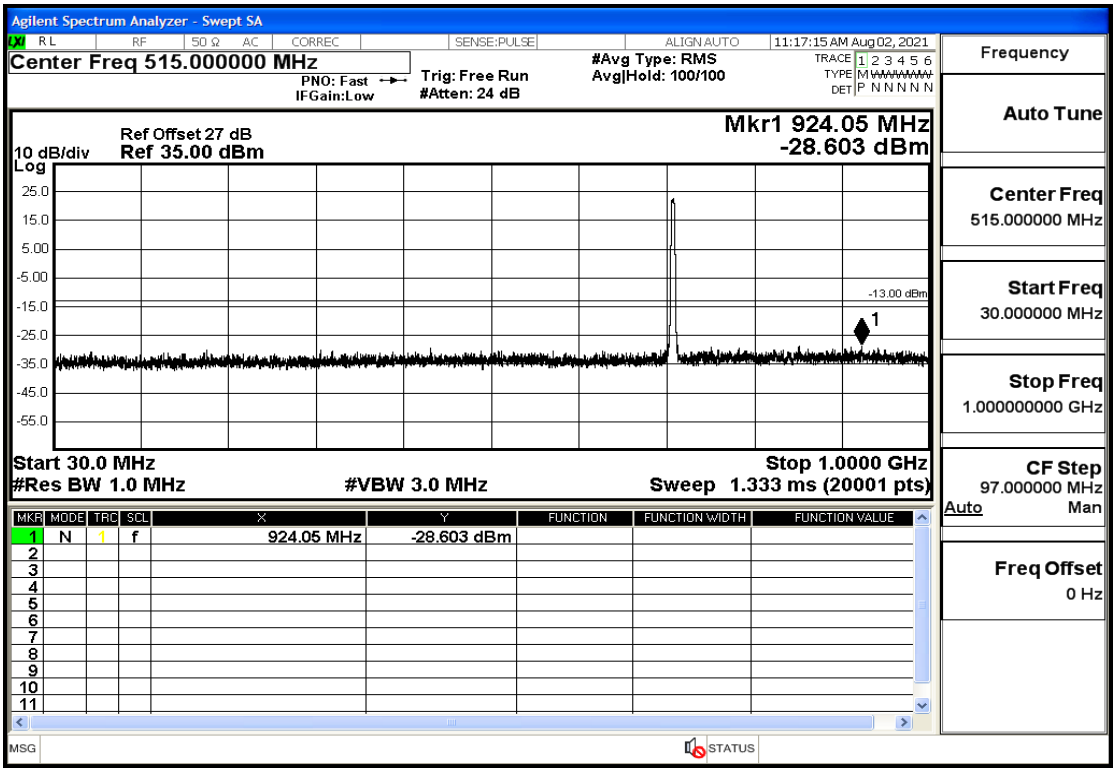
OB12-3-707.5-QPSK-1#HIGH@30mHz-1GHz@Pass



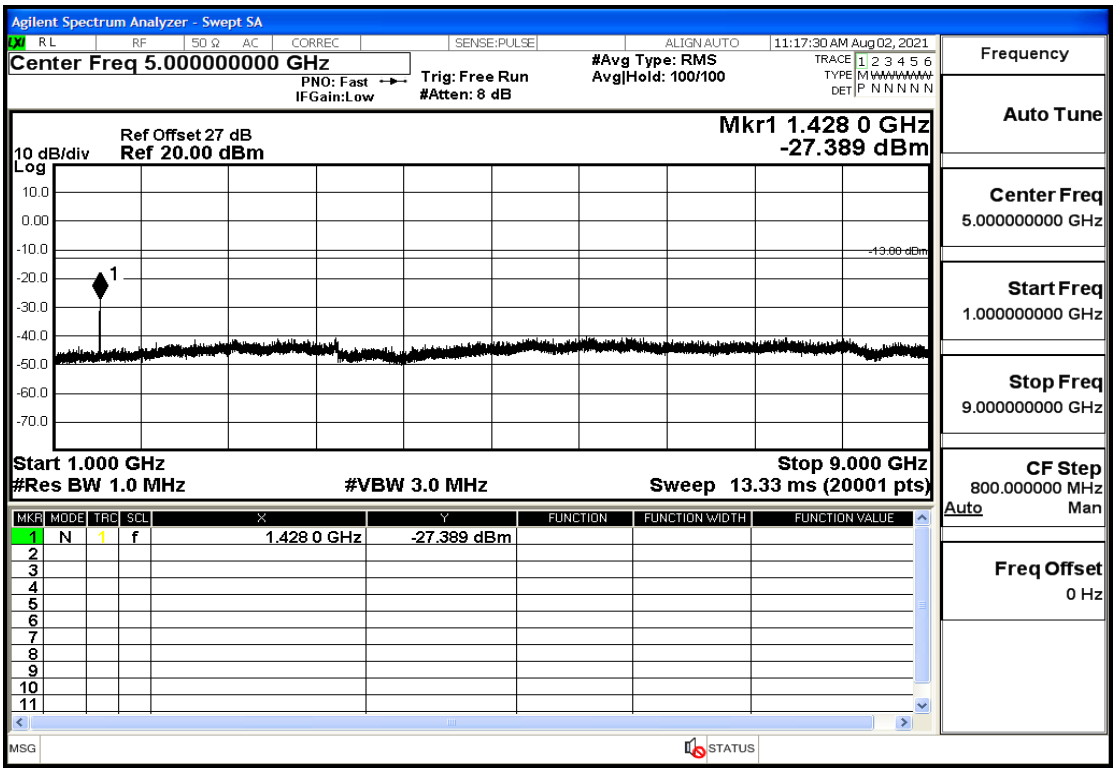
OB12-3-707.5-QPSK-1#HIGH@1GHz-9GHz@Pass



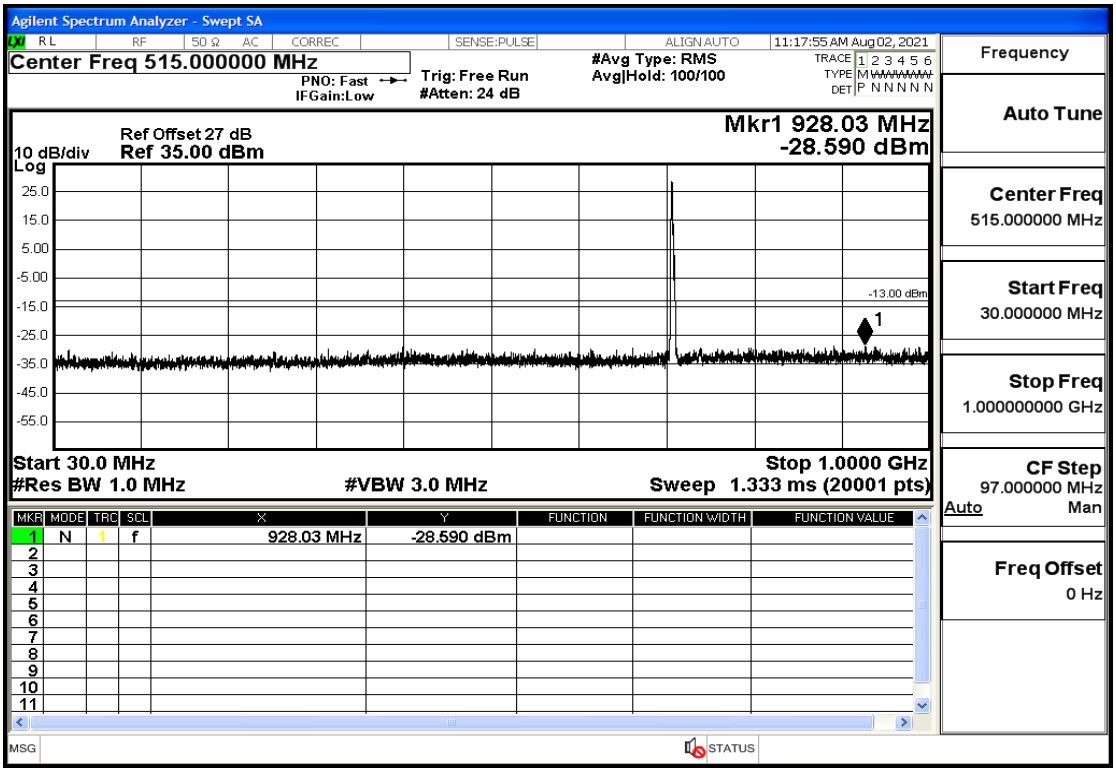
OB12-3-714.5-QPSK-15#LOW@30mHz-1GHz@Pass



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



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



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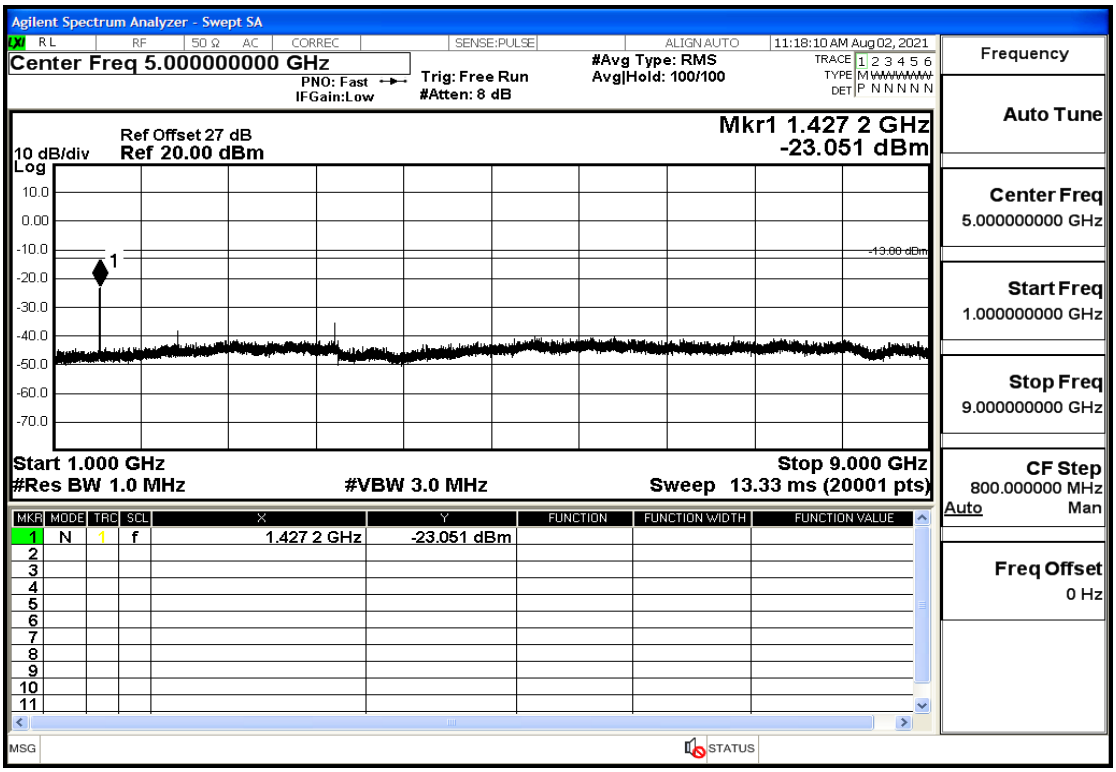
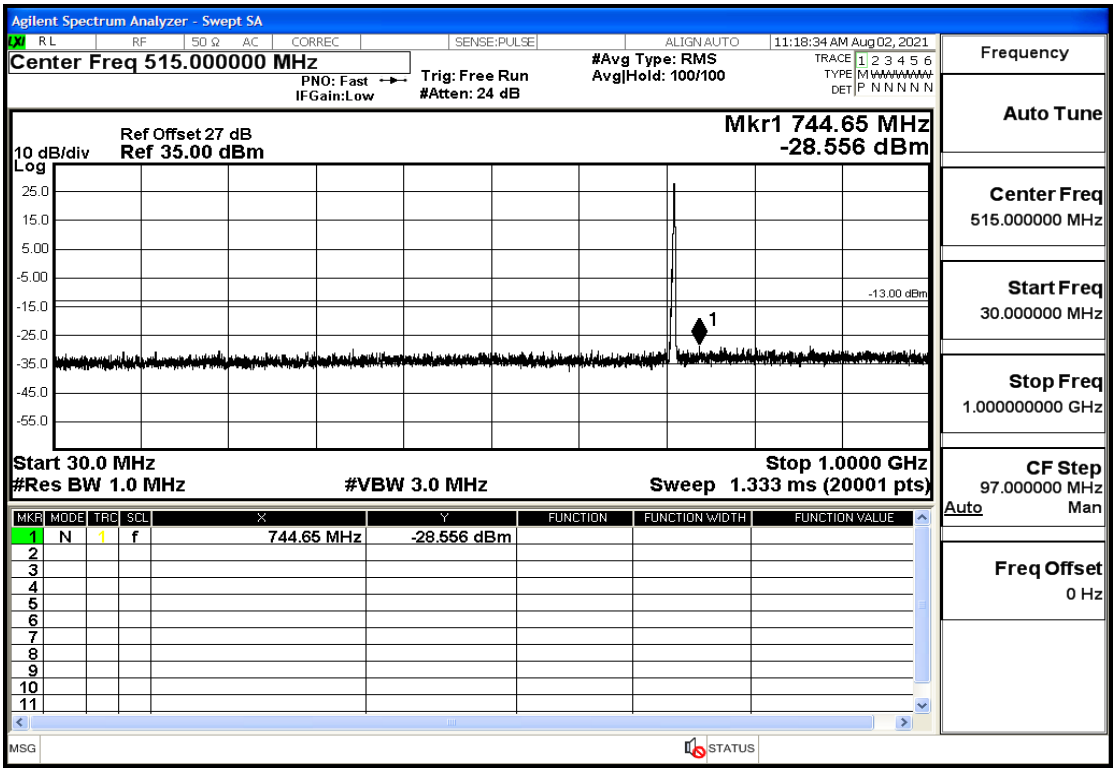
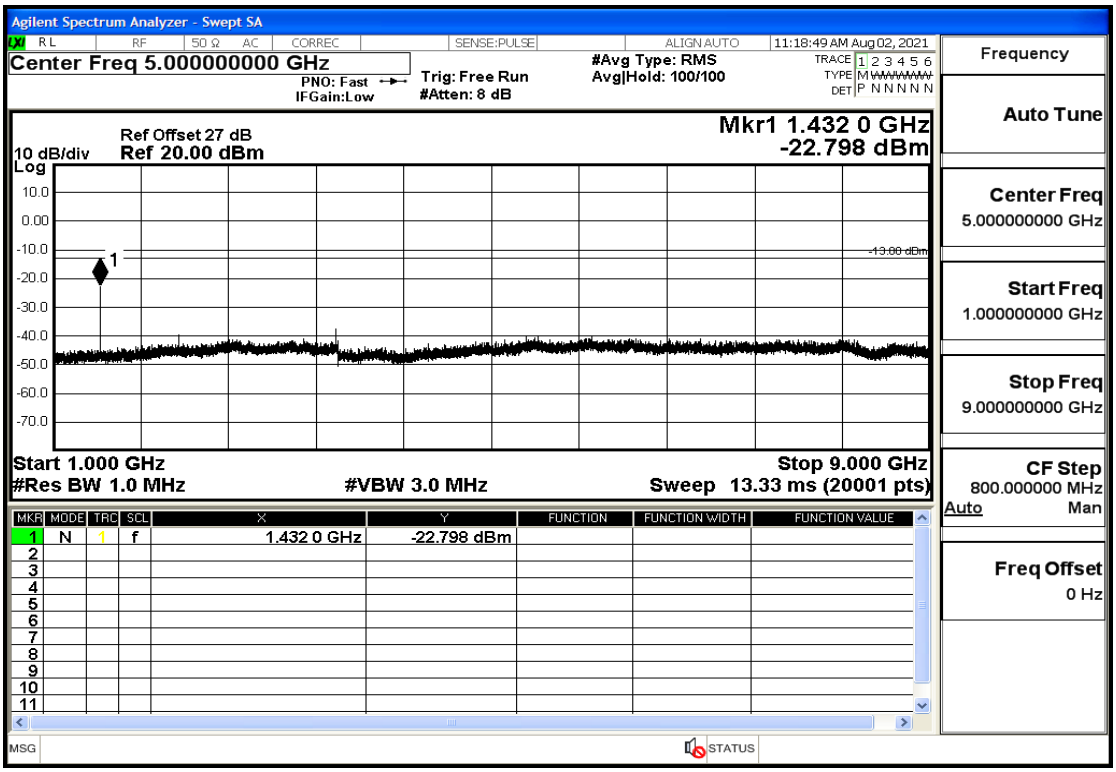


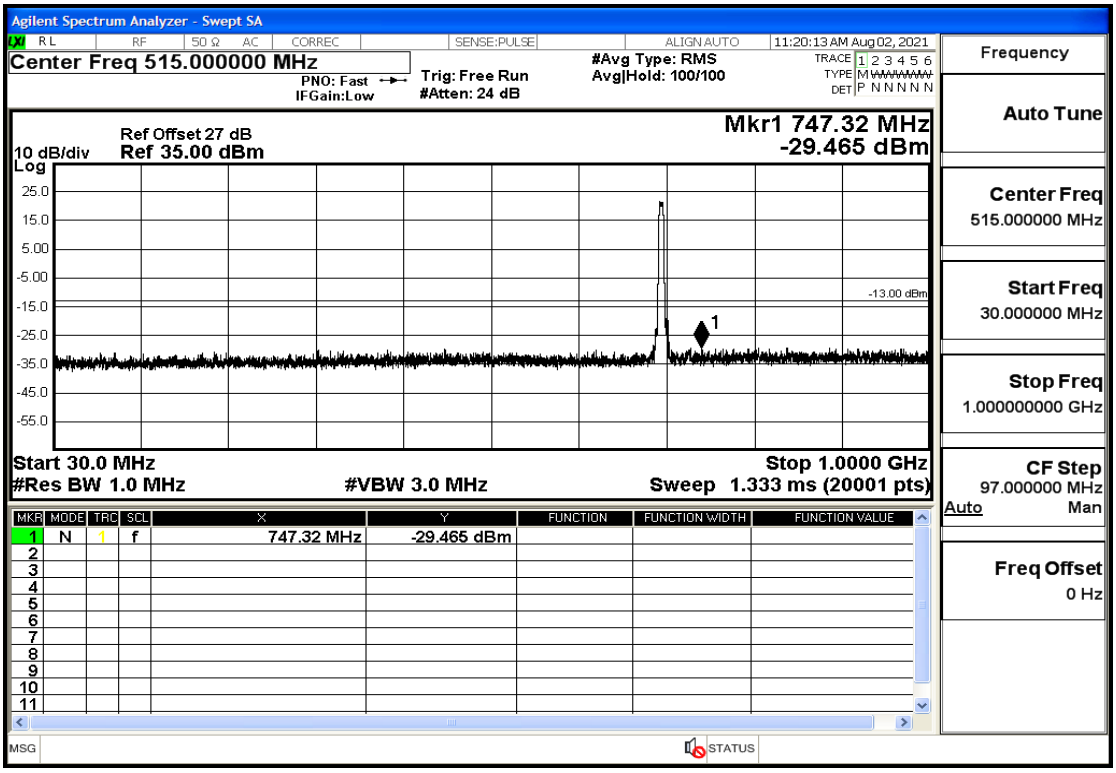
OB12-3-714.5-QPSK-1#HIGH@30mHz-1GHz@Pass



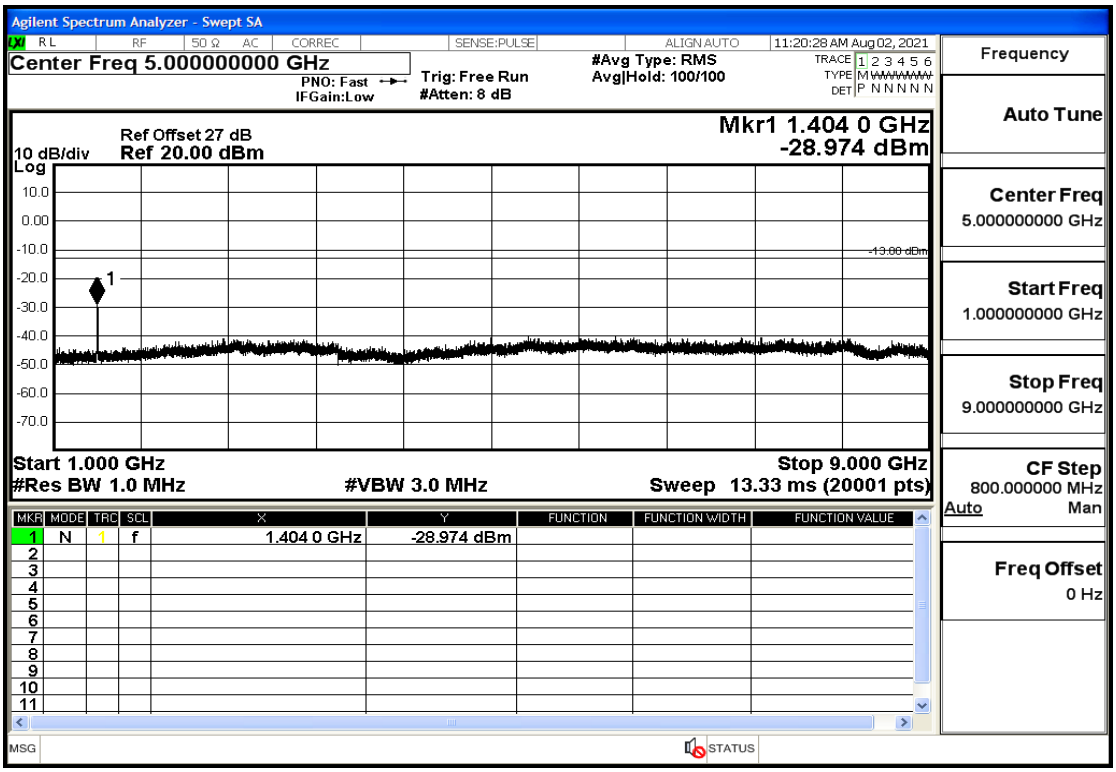
OB12-3-714.5-QPSK-1#HIGH@1GHz-9GHz@Pass



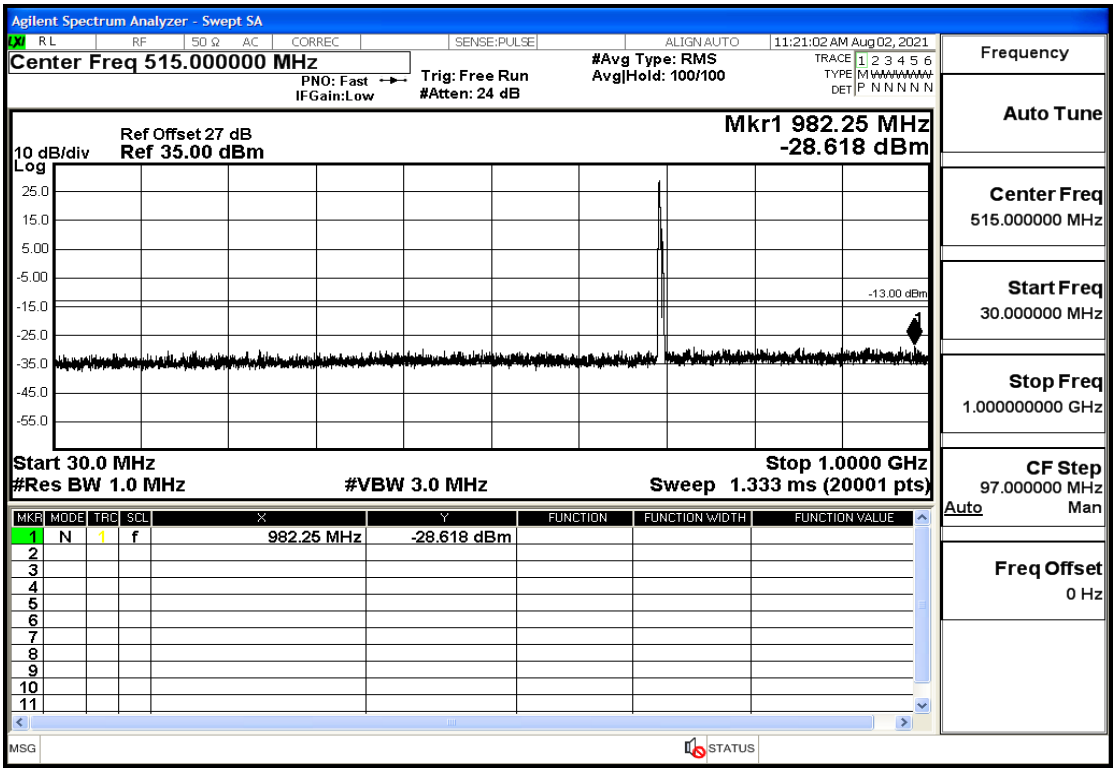
OB12-5-701.5-QPSK-25#LOW@30mHz-1GHz@Pass



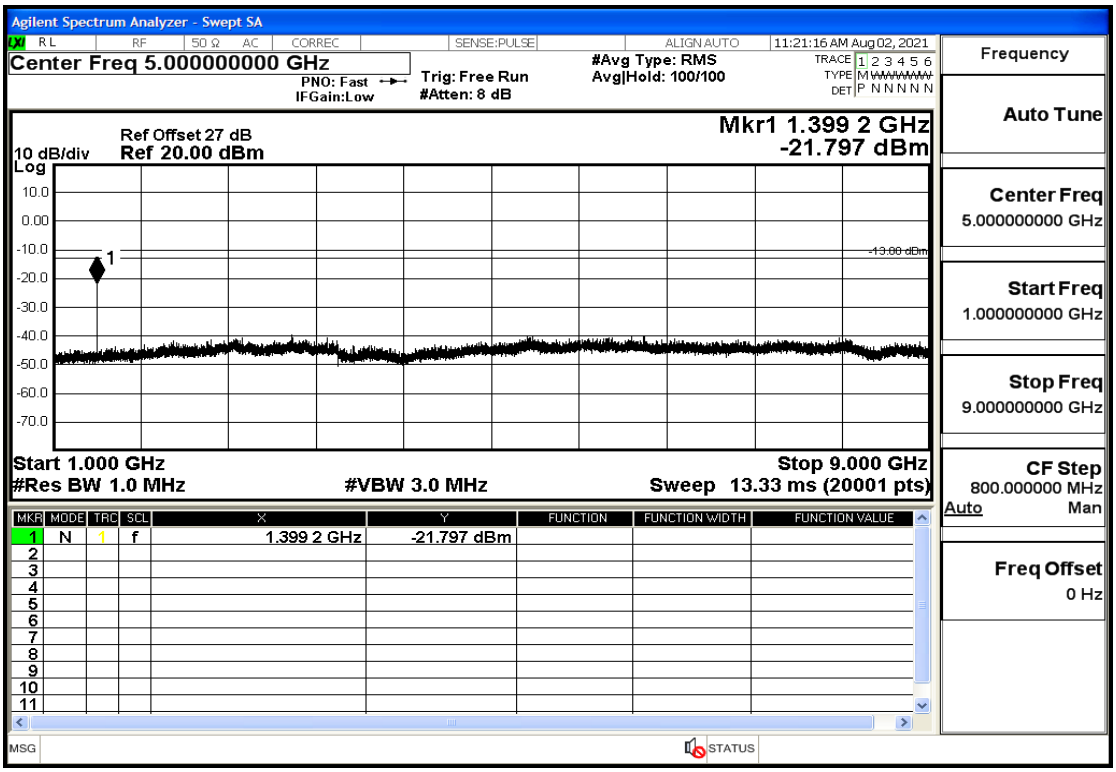
OB12-5-701.5-QPSK-25#LOW@1GHz-9GHz@Pass



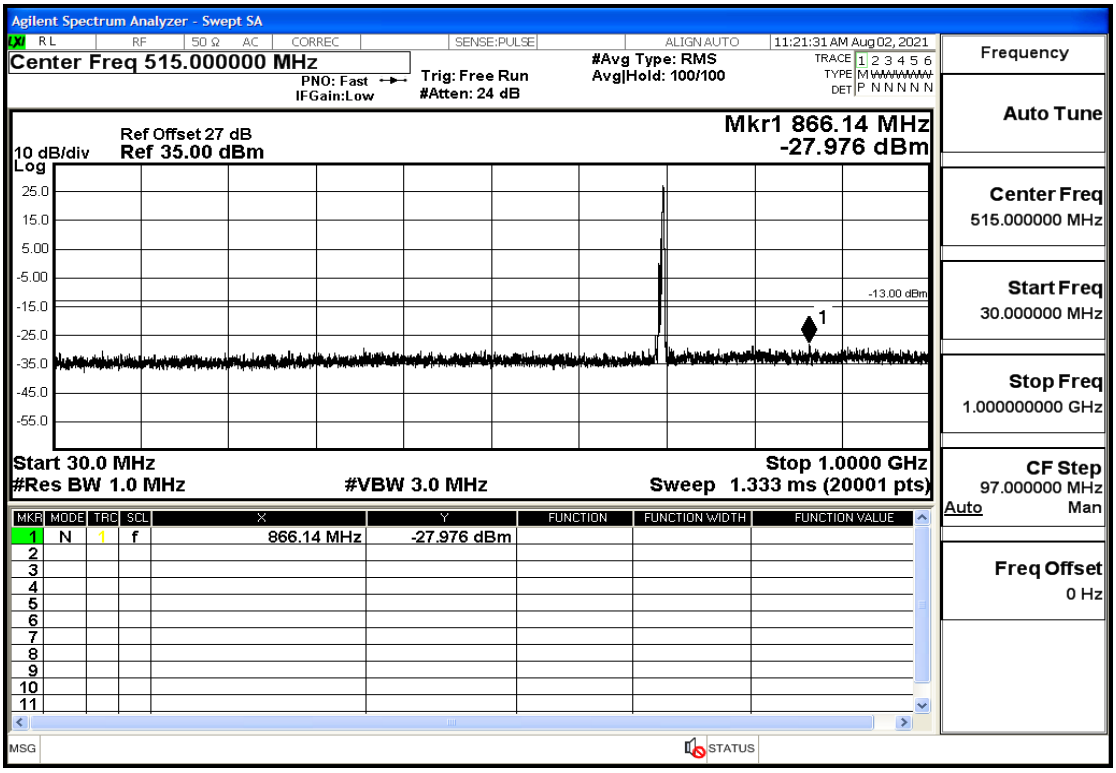
OB12-5-701.5-QPSK-1#LOW@30mHz-1GHz@Pass



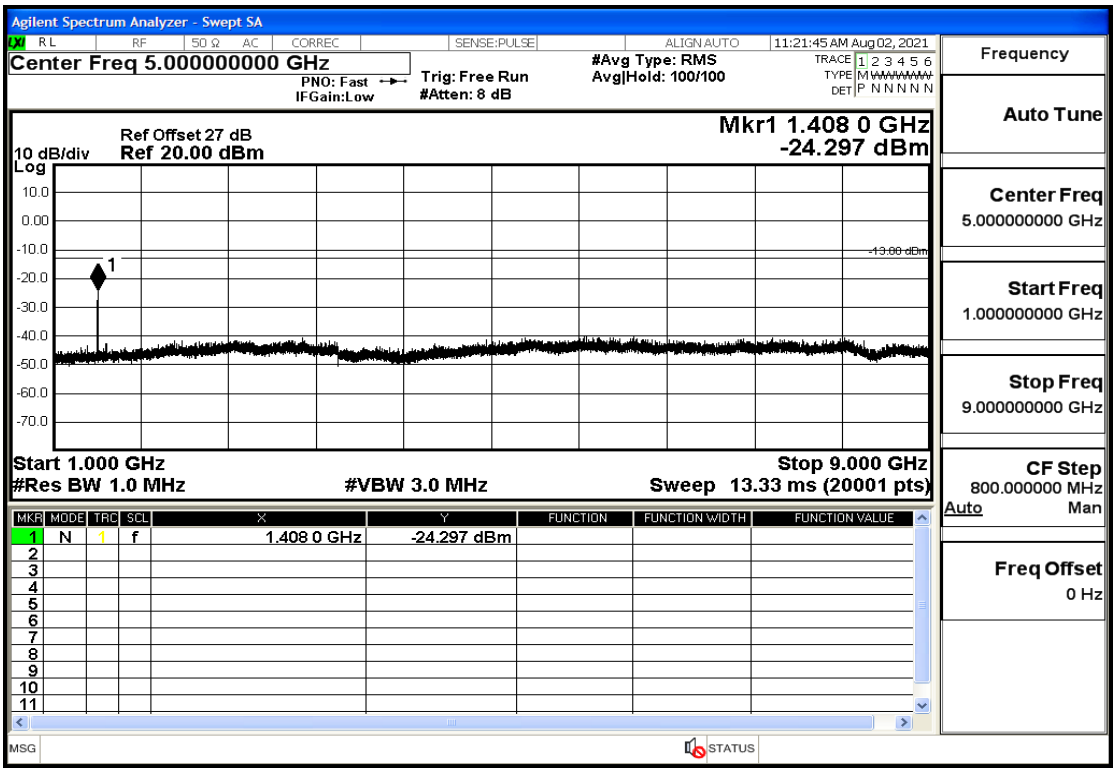
OB12-5-701.5-QPSK-1#LOW@1GHz-9GHz@Pass



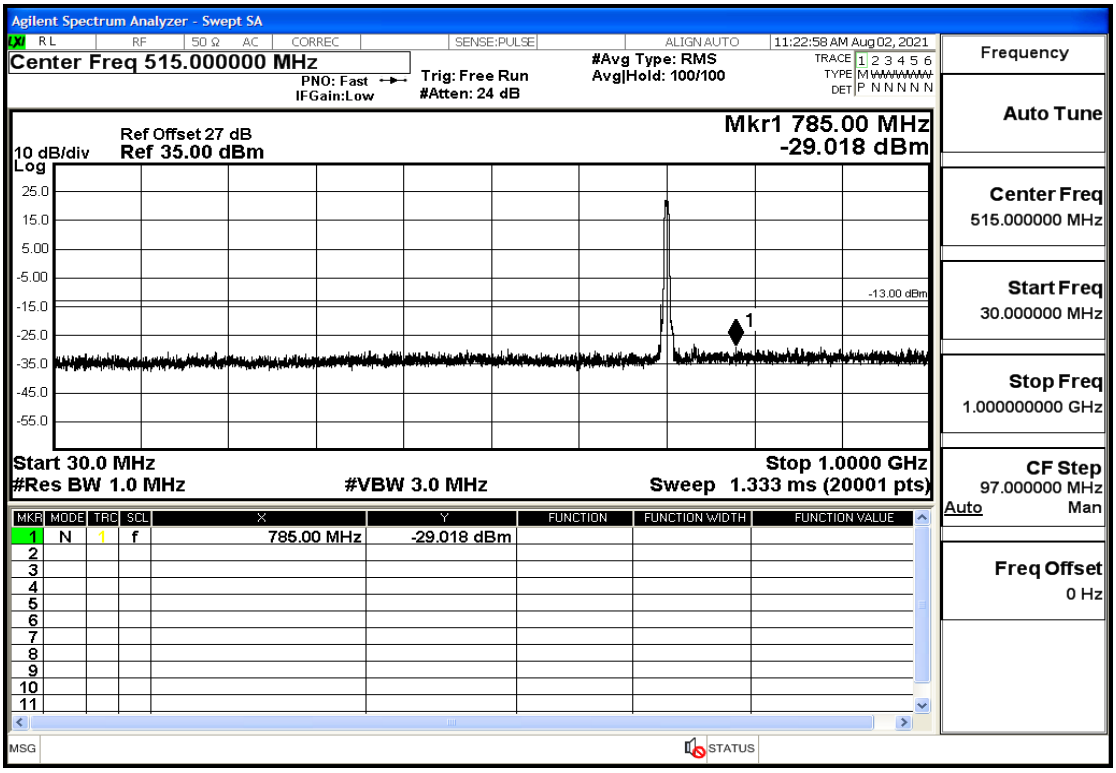
OB12-5-701.5-QPSK-1#HIGH@30mHz-1GHz@Pass



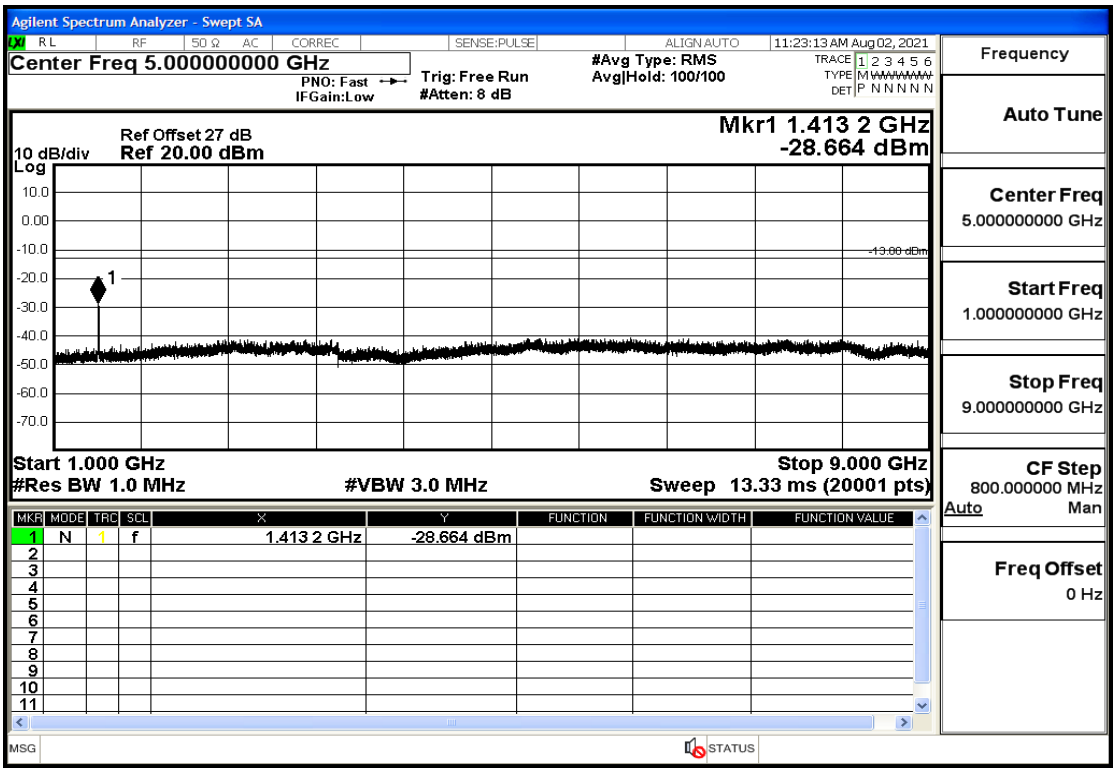
OB12-5-701.5-QPSK-1#HIGH@1GHz-9GHz@Pass



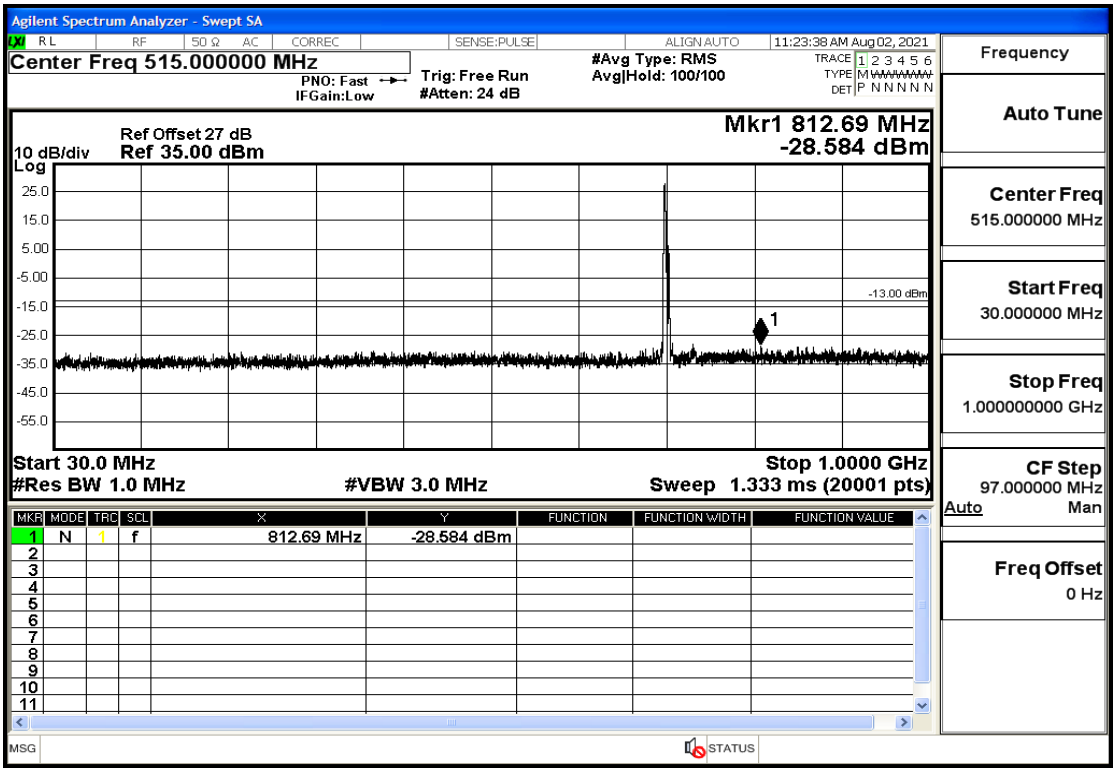
OB12-5-707.5-QPSK-25#LOW@30mHz-1GHz@Pass



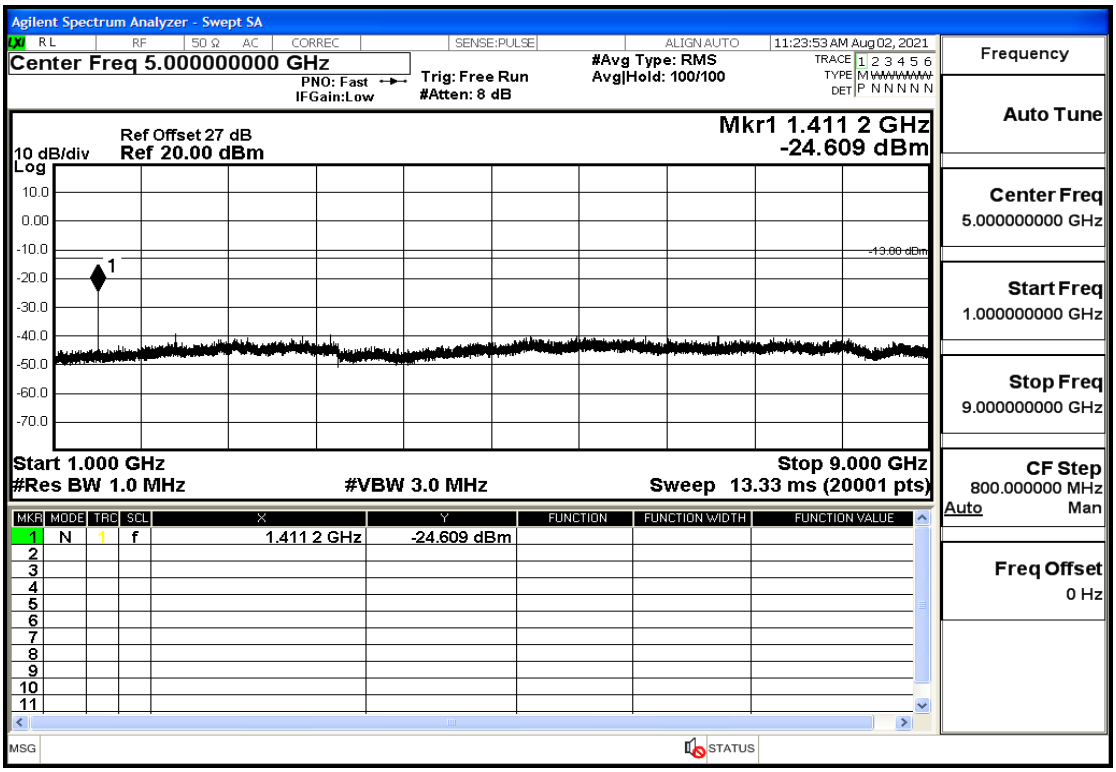
OB12-5-707.5-QPSK-25#LOW@1GHz-9GHz@Pass



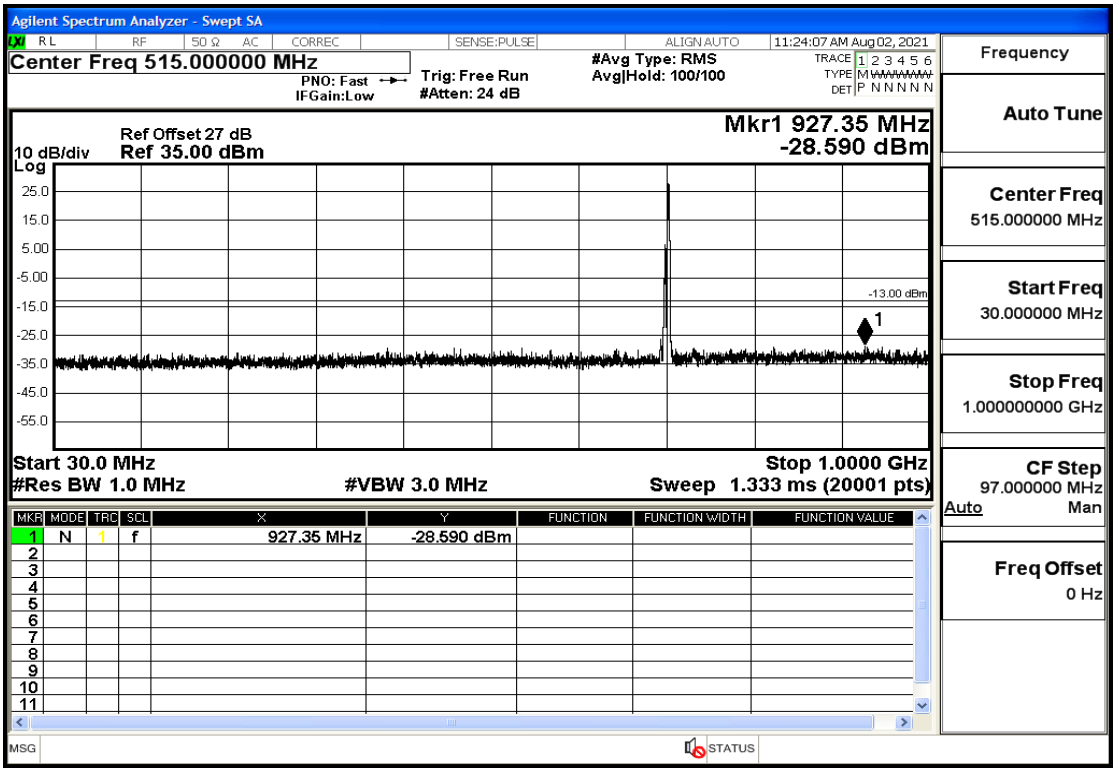
OB12-5-707.5-QPSK-1#LOW@30mHz-1GHz@Pass



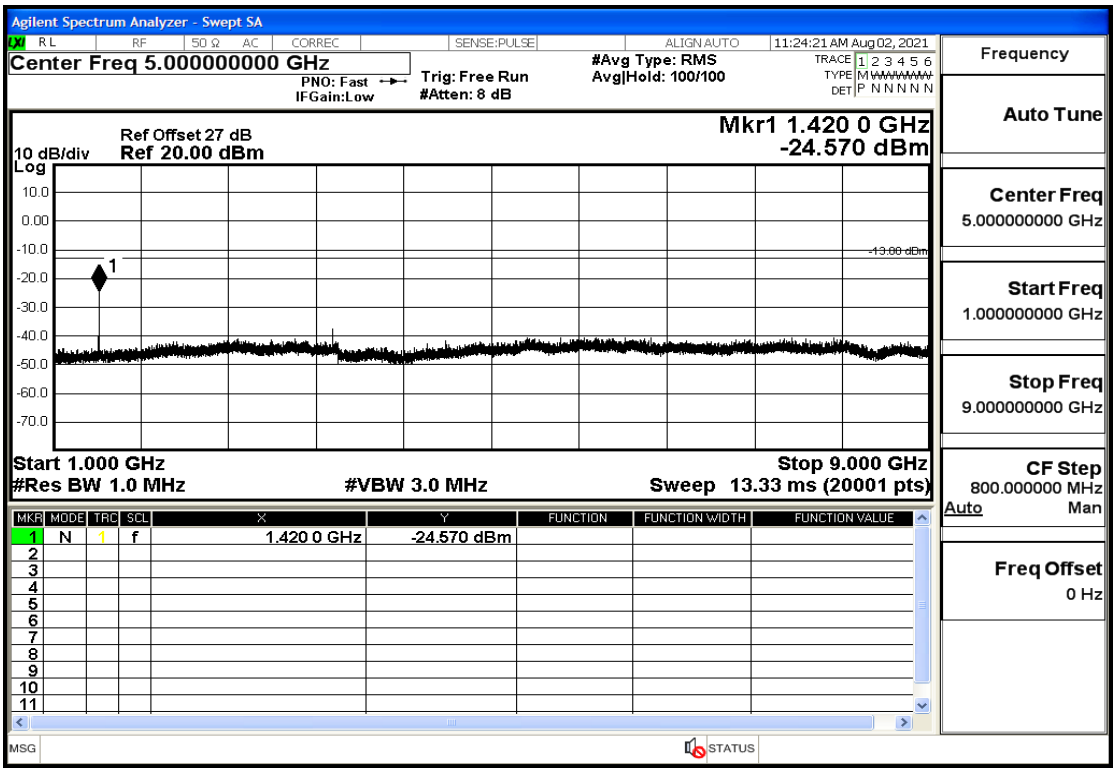
OB12-5-707.5-QPSK-1#LOW@1GHz-9GHz@Pass



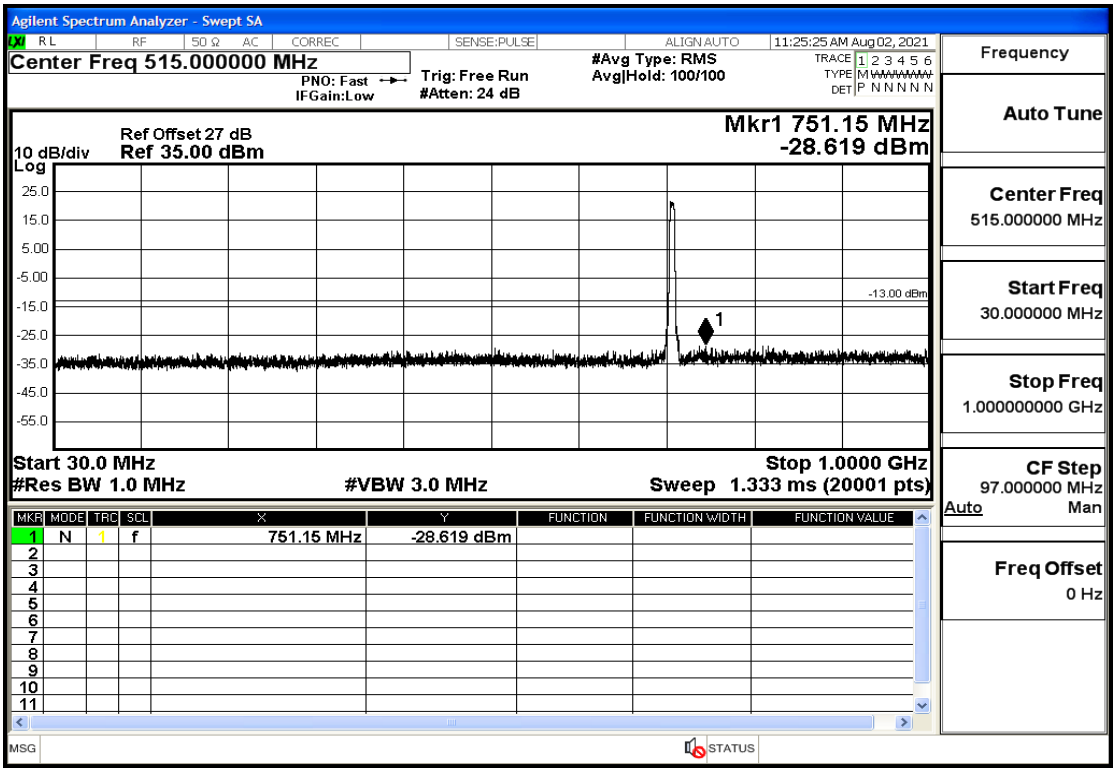
OB12-5-707.5-QPSK-1#HIGH@30mHz-1GHz@Pass



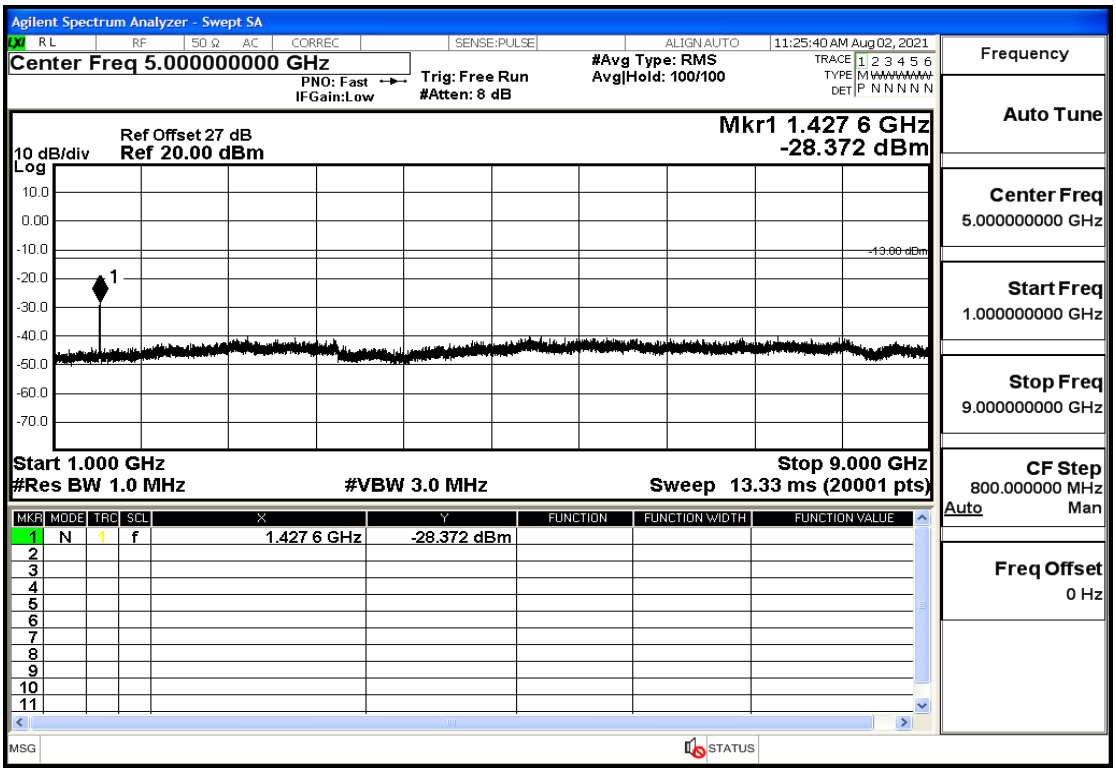
OB12-5-707.5-QPSK-1#HIGH@1GHz-9GHz@Pass



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



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



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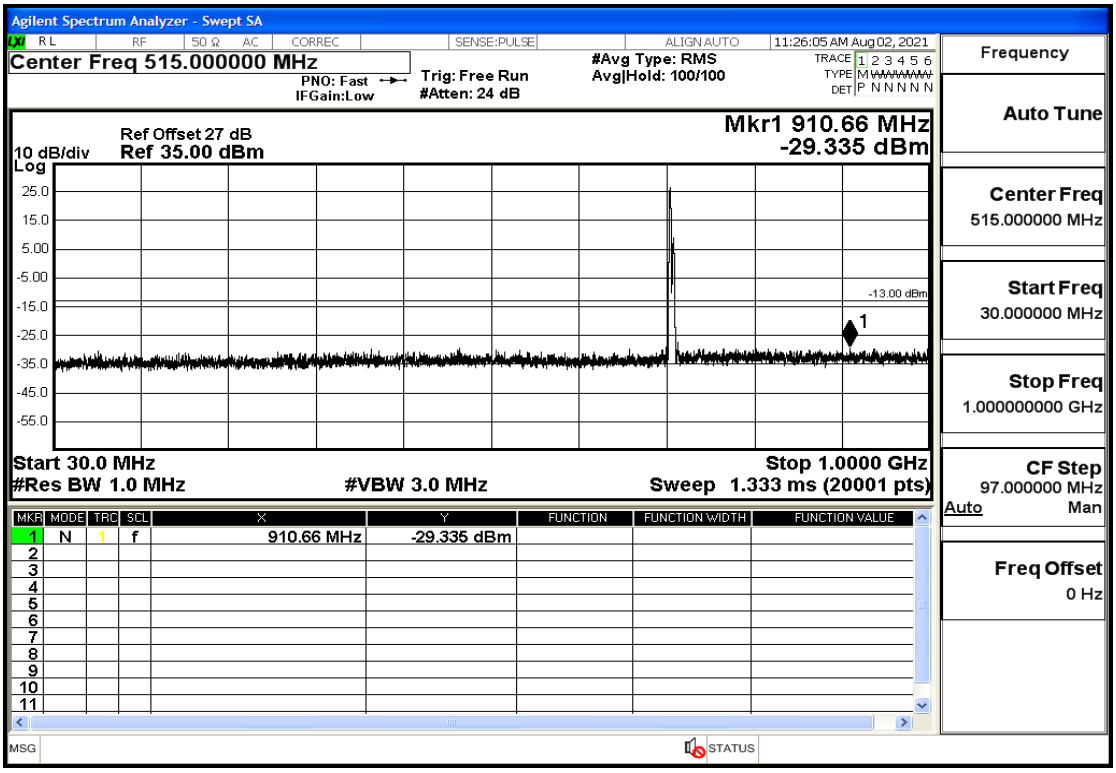

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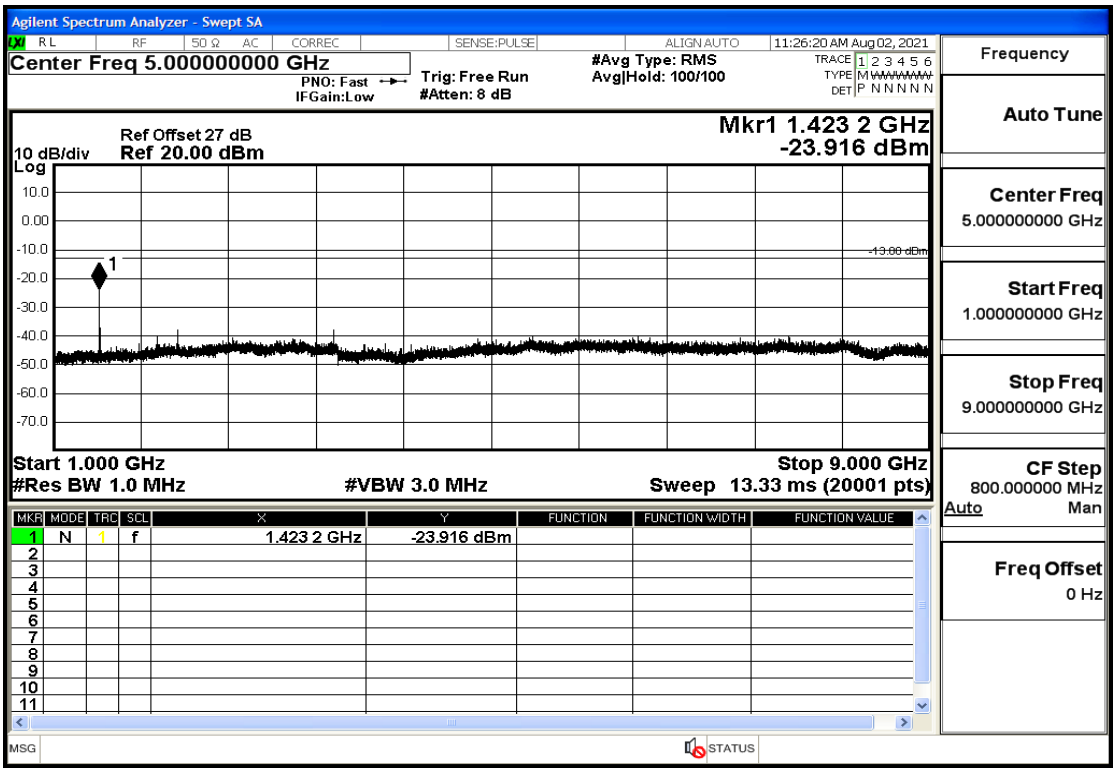
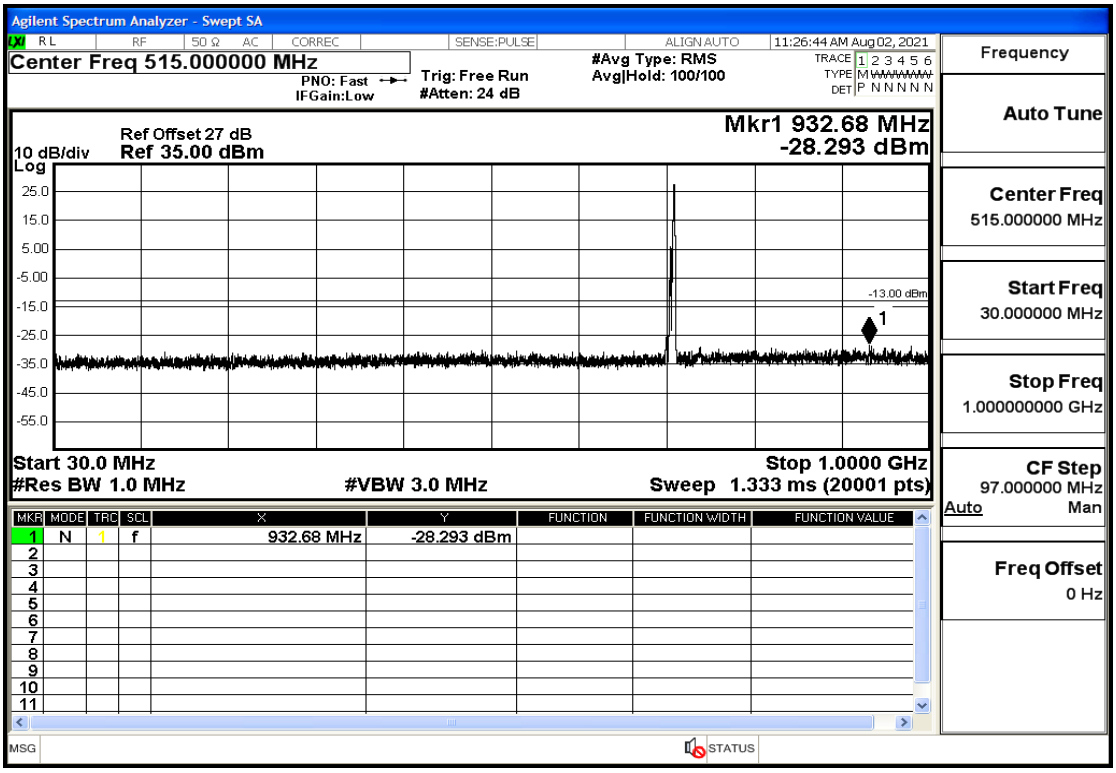
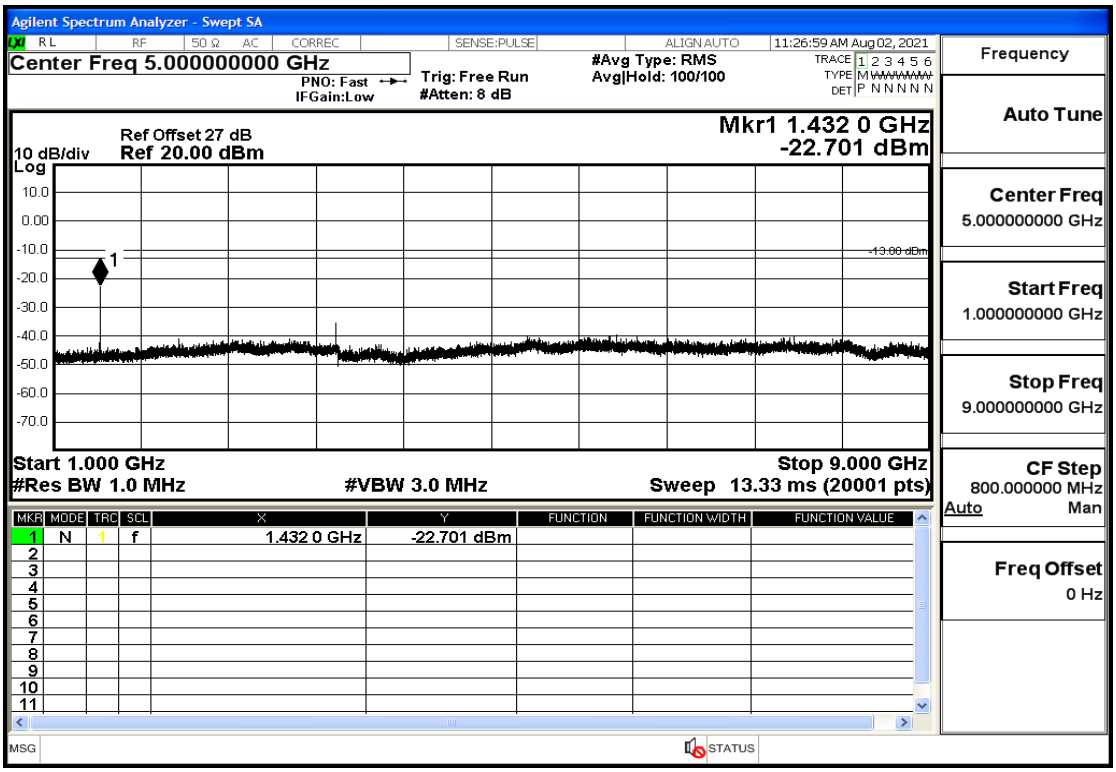


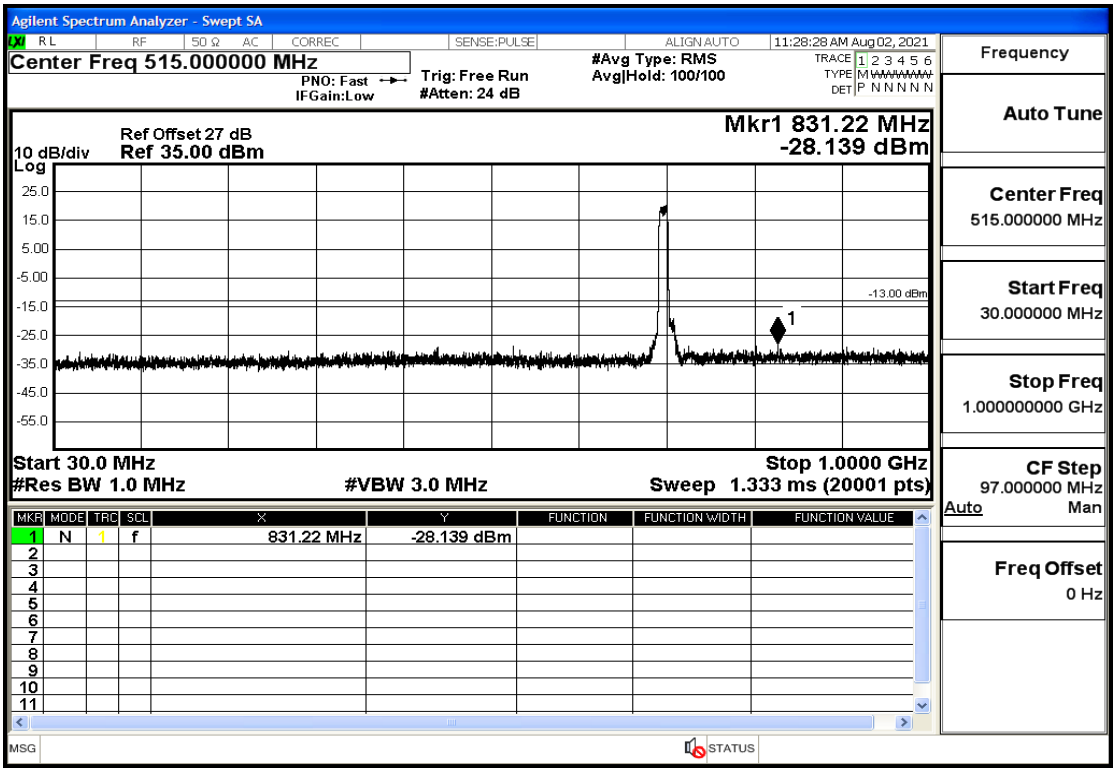
OB12-5-713.5-QPSK-1#HIGH@30mHz-1GHz@Pass



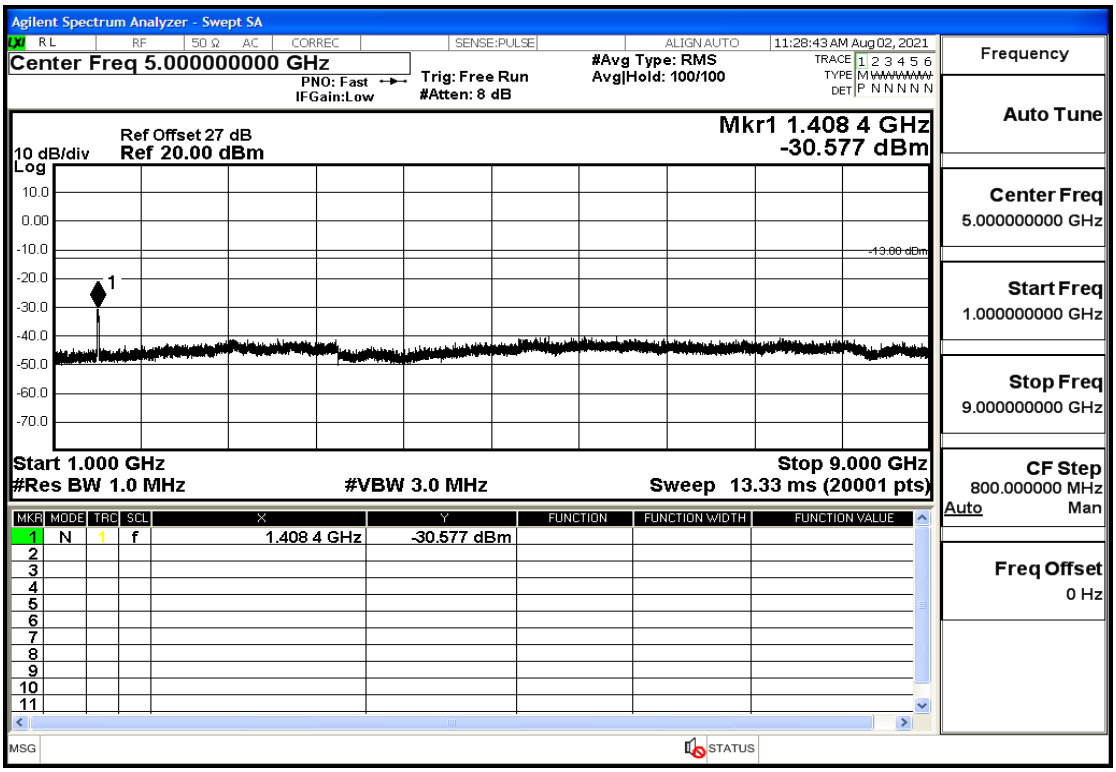
OB12-5-713.5-QPSK-1#HIGH@1GHz-9GHz@Pass



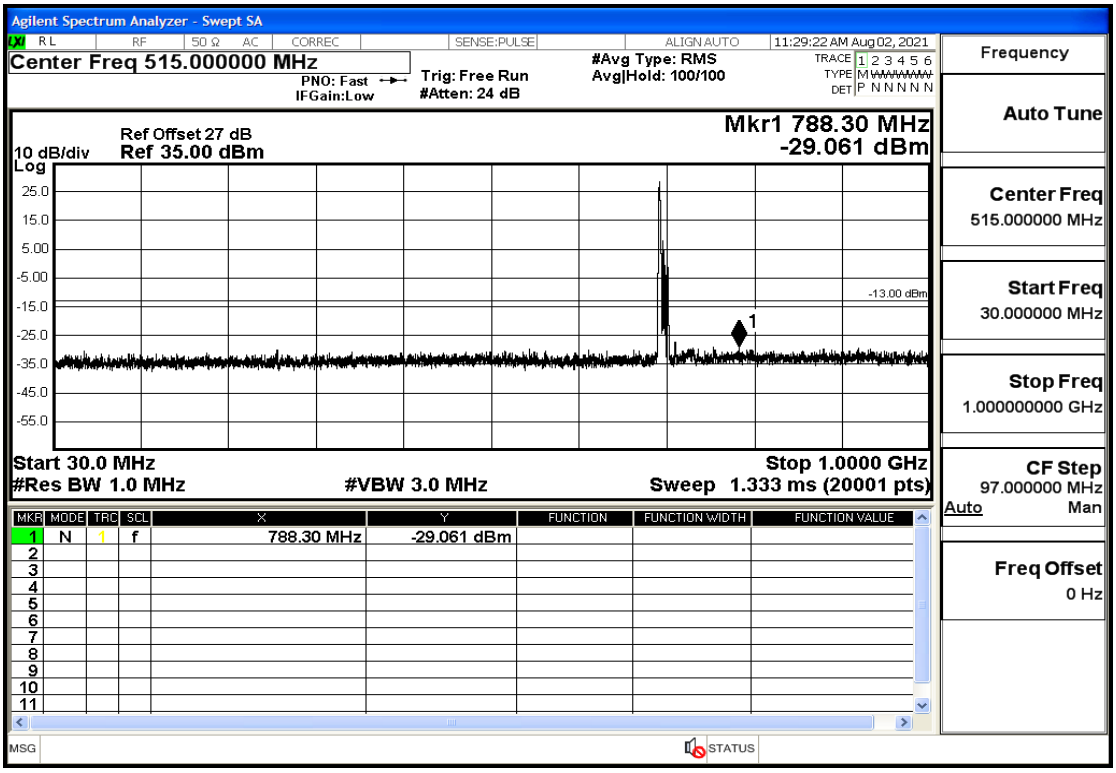
OB12-10-704-QPSK-50#LOW@30mHz-1GHz@Pass



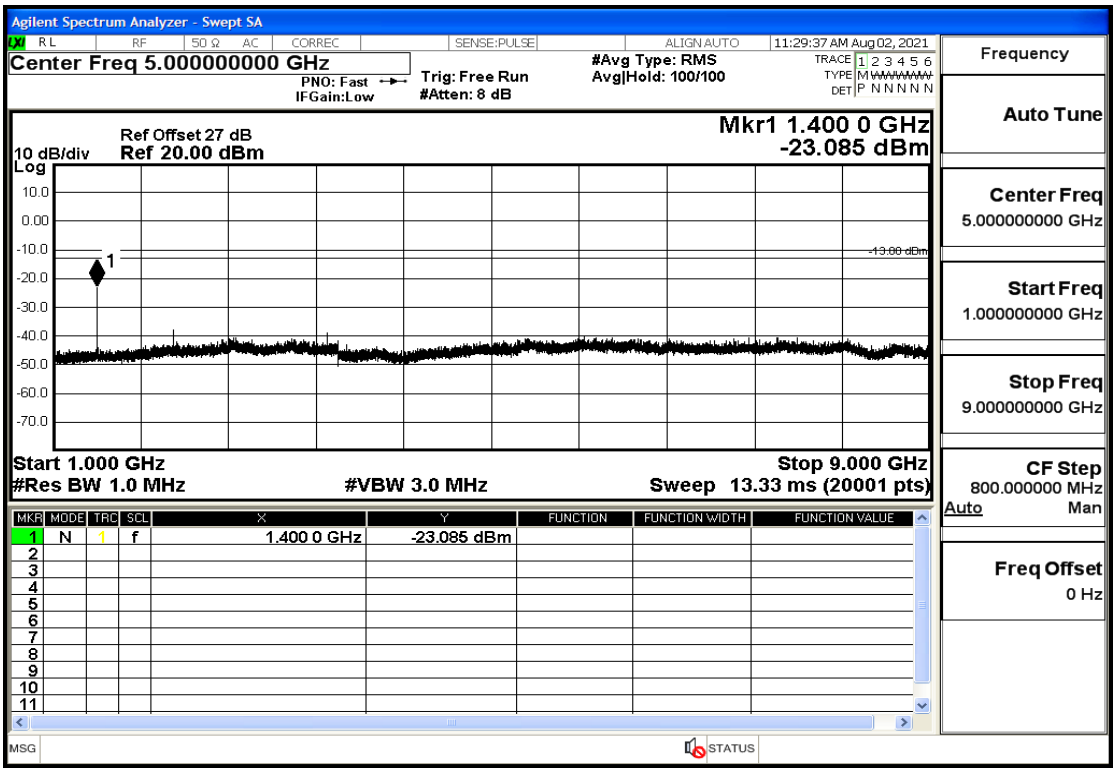
OB12-10-704-QPSK-50#LOW@1GHz-9GHz@Pass



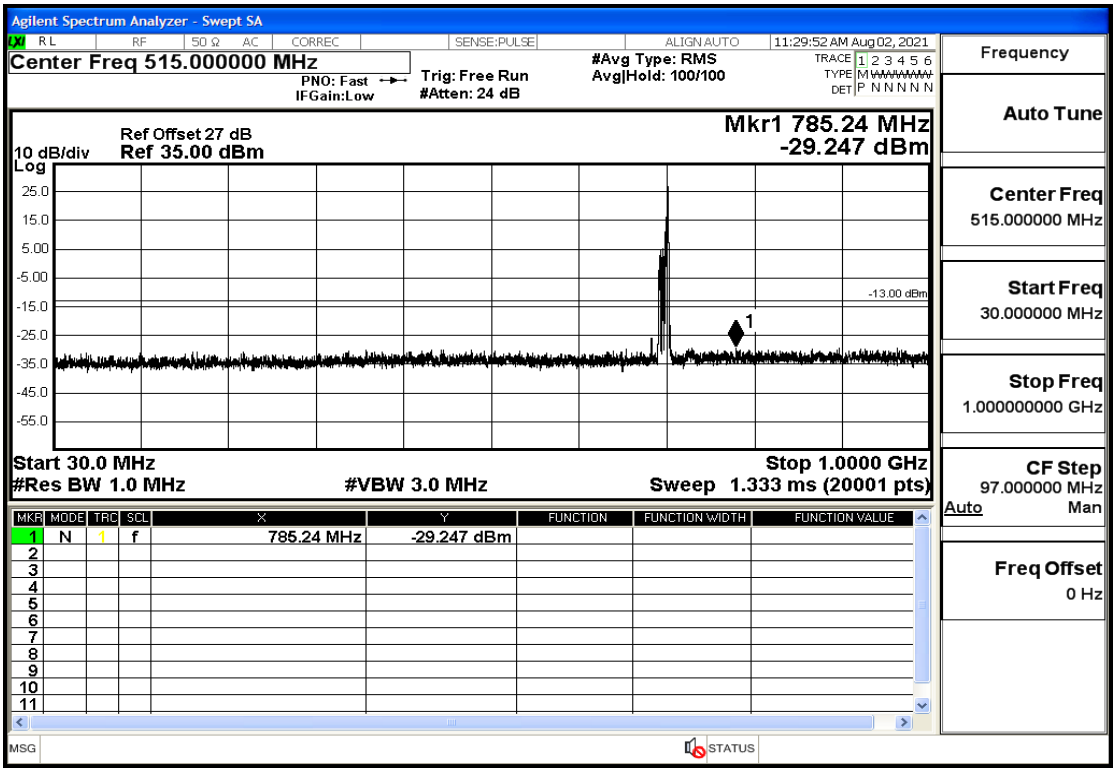
OB12-10-704-QPSK-1#LOW@30mHz-1GHz@Pass



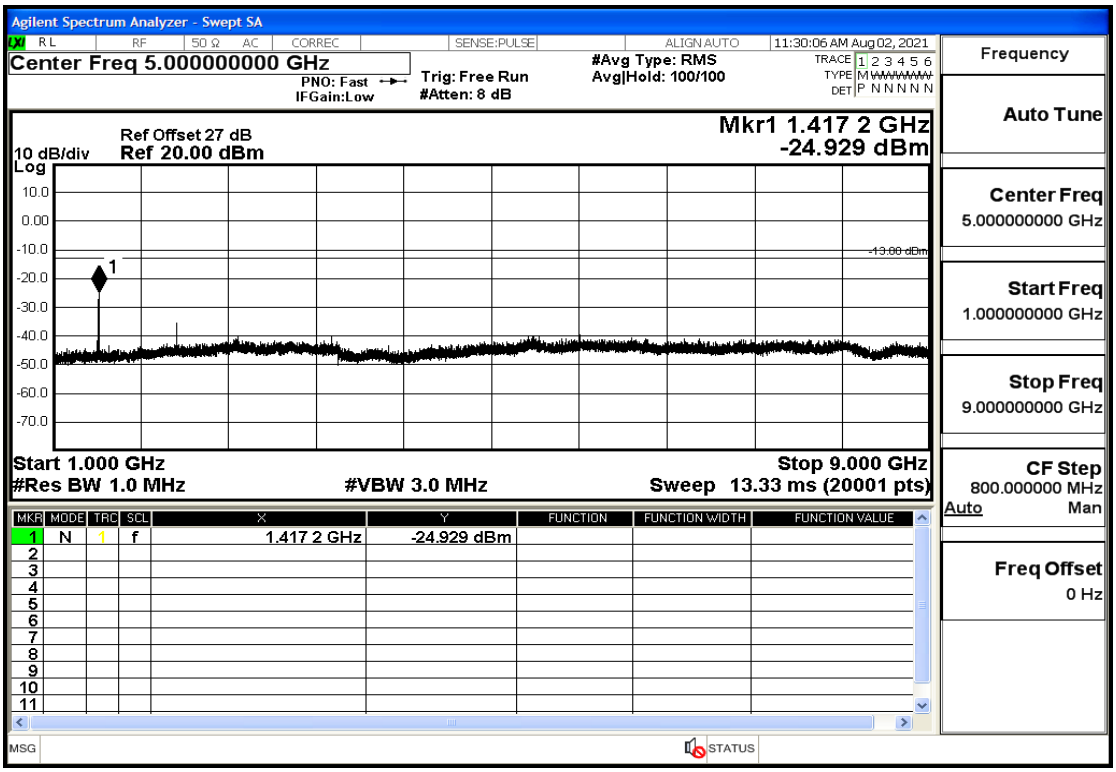
OB12-10-704-QPSK-1#LOW@1GHz-9GHz@Pass



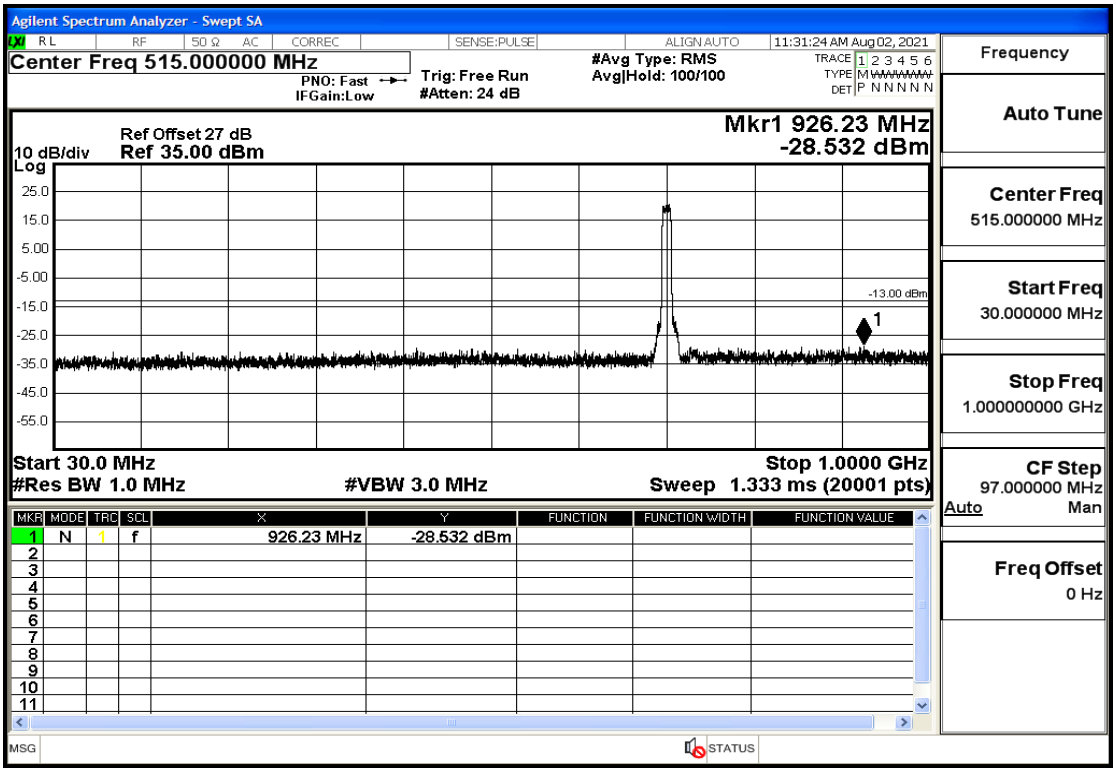
OB12-10-704-QPSK-1#HIGH@30mHz-1GHz@Pass



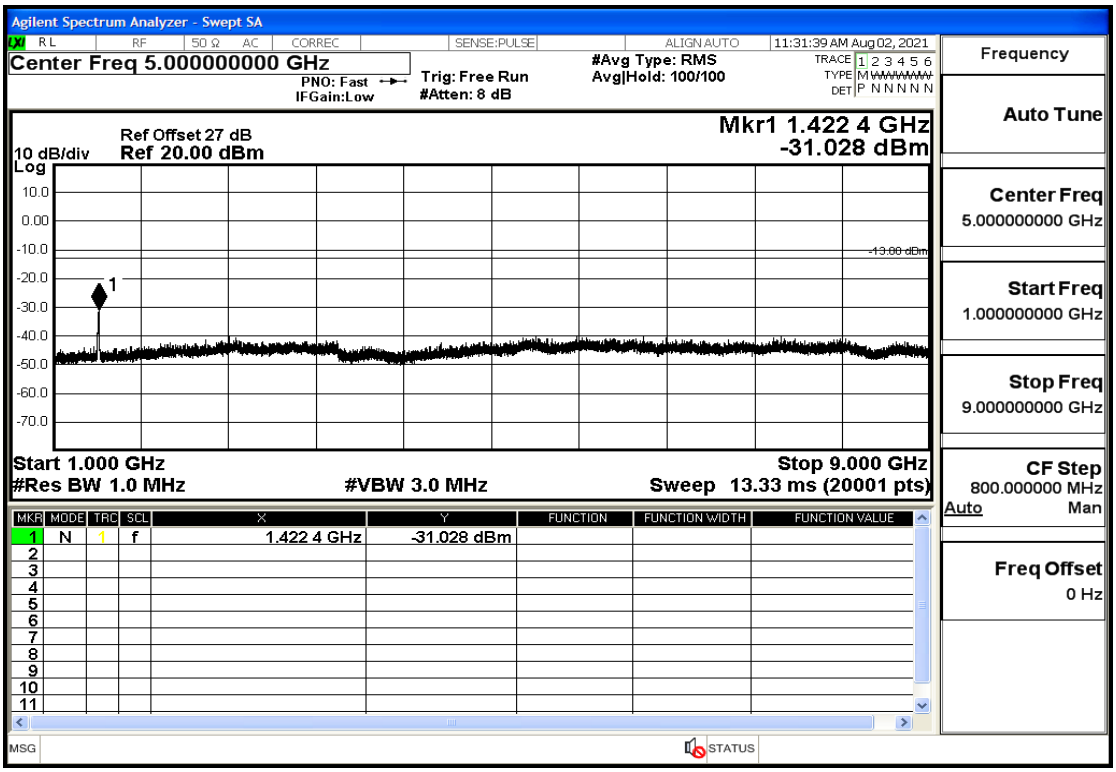
OB12-10-704-QPSK-1#HIGH@1GHz-9GHz@Pass



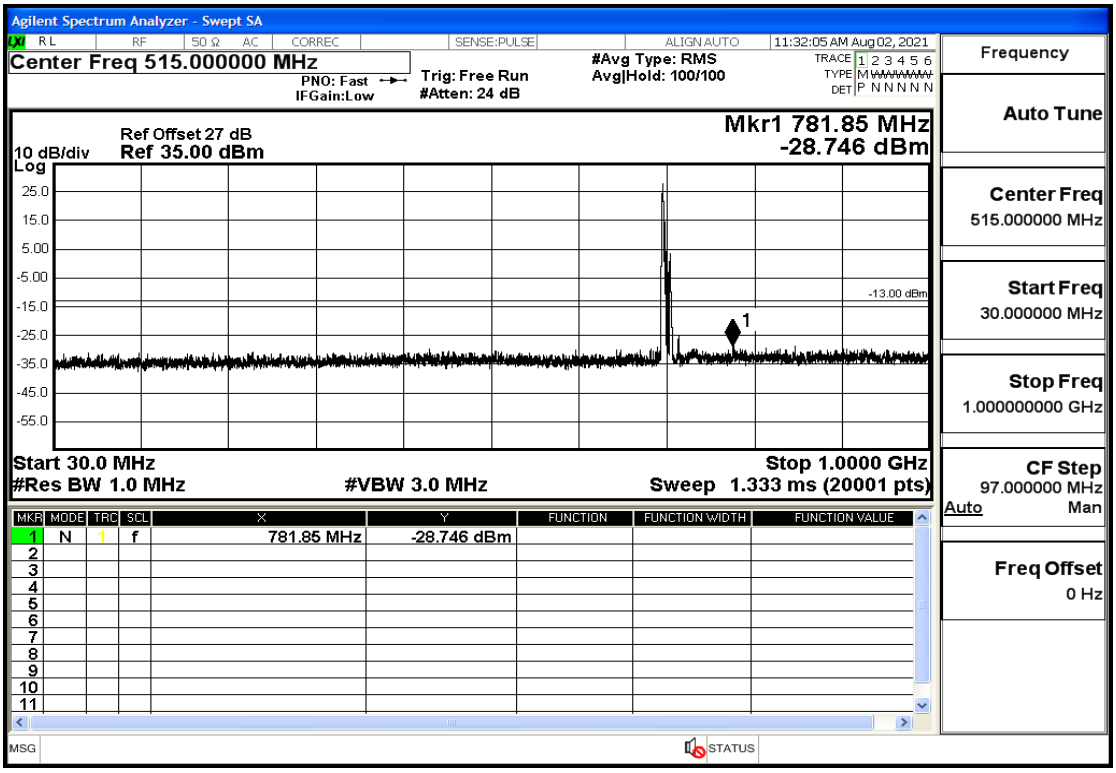
OB12-10-707.5-QPSK-50#LOW@30mHz-1GHz@Pass



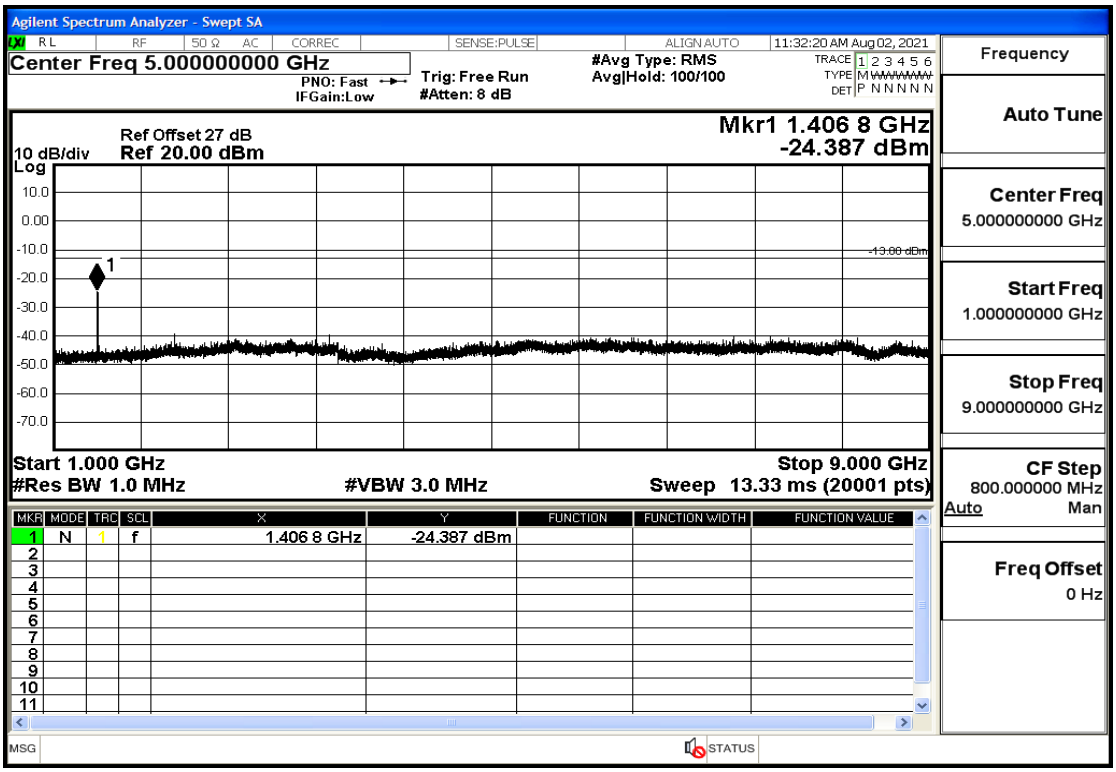
OB12-10-707.5-QPSK-50#LOW@1GHz-9GHz@Pass



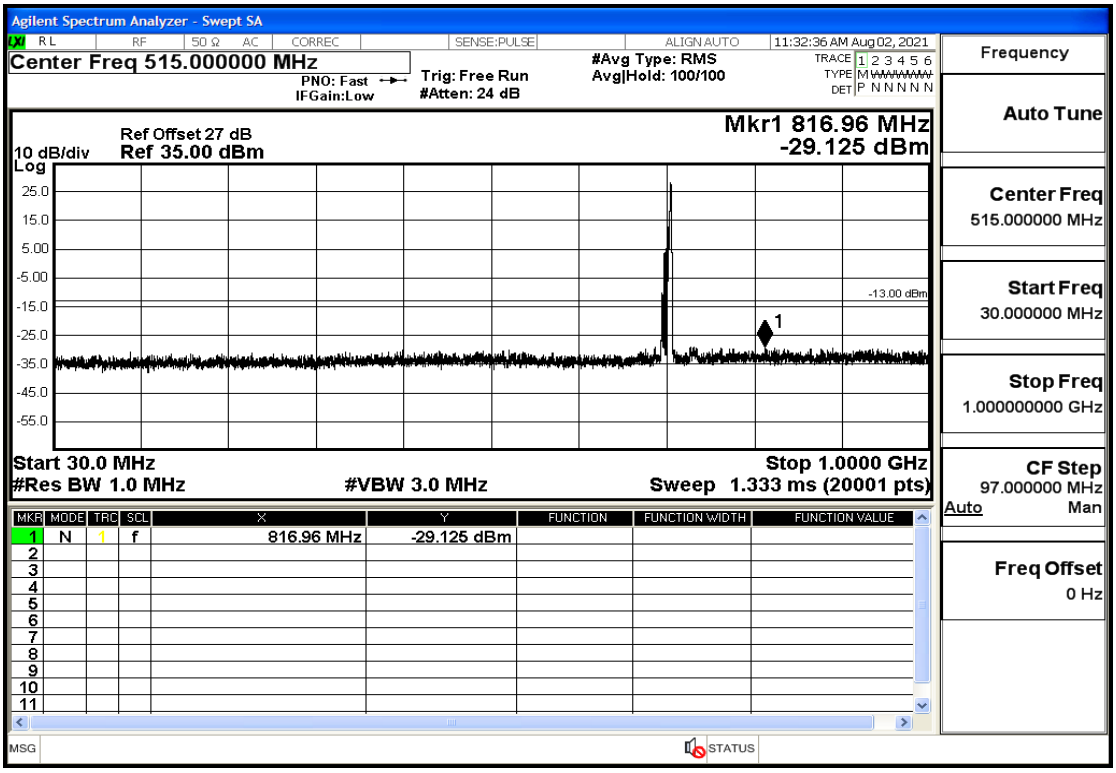
OB12-10-707.5-QPSK-1#LOW@30mHz-1GHz@Pass



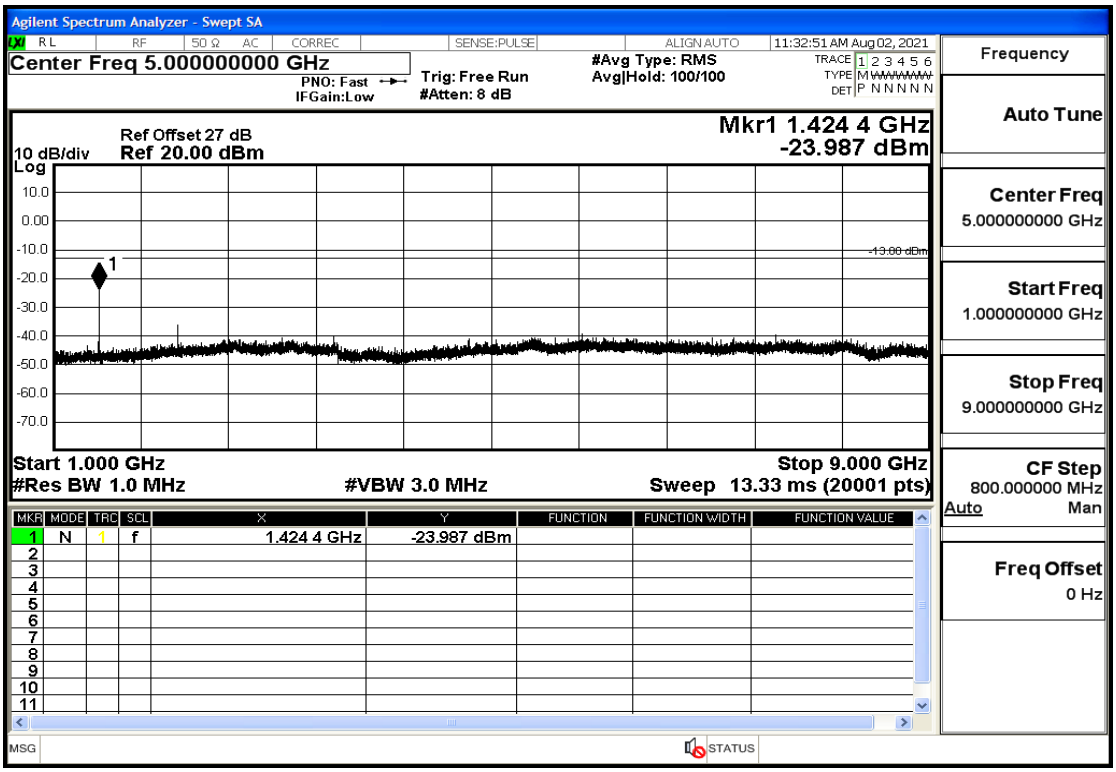
OB12-10-707.5-QPSK-1#LOW@1GHz-9GHz@Pass



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



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



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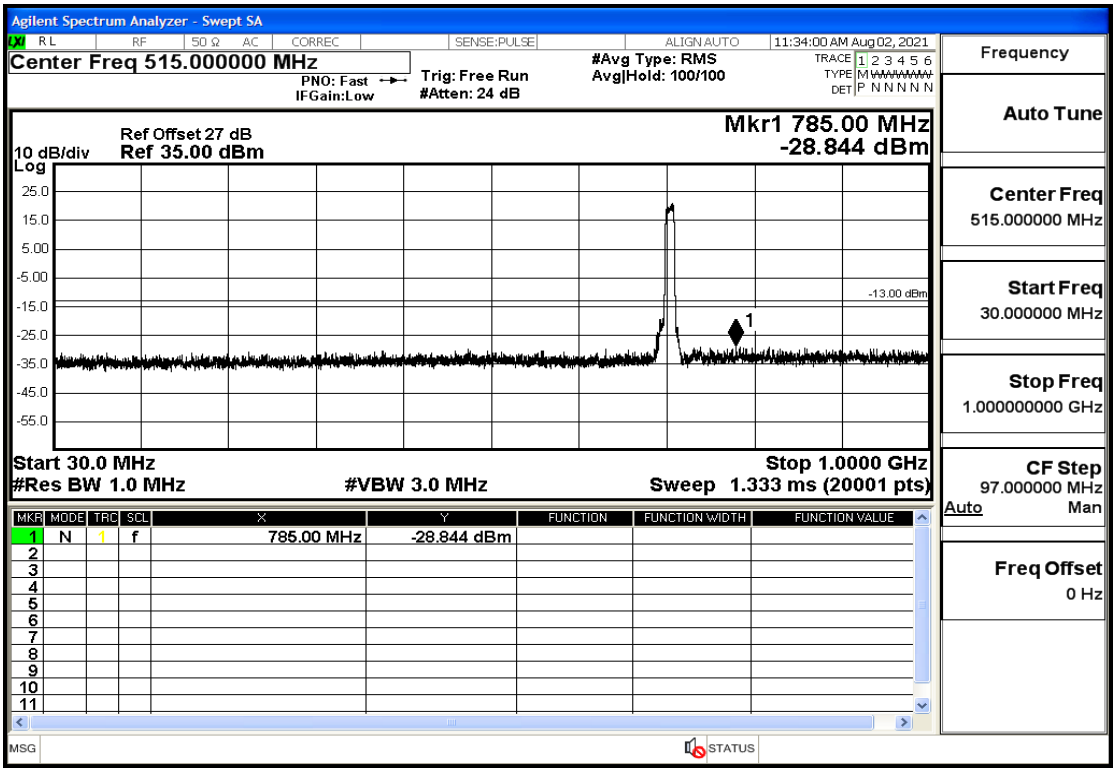
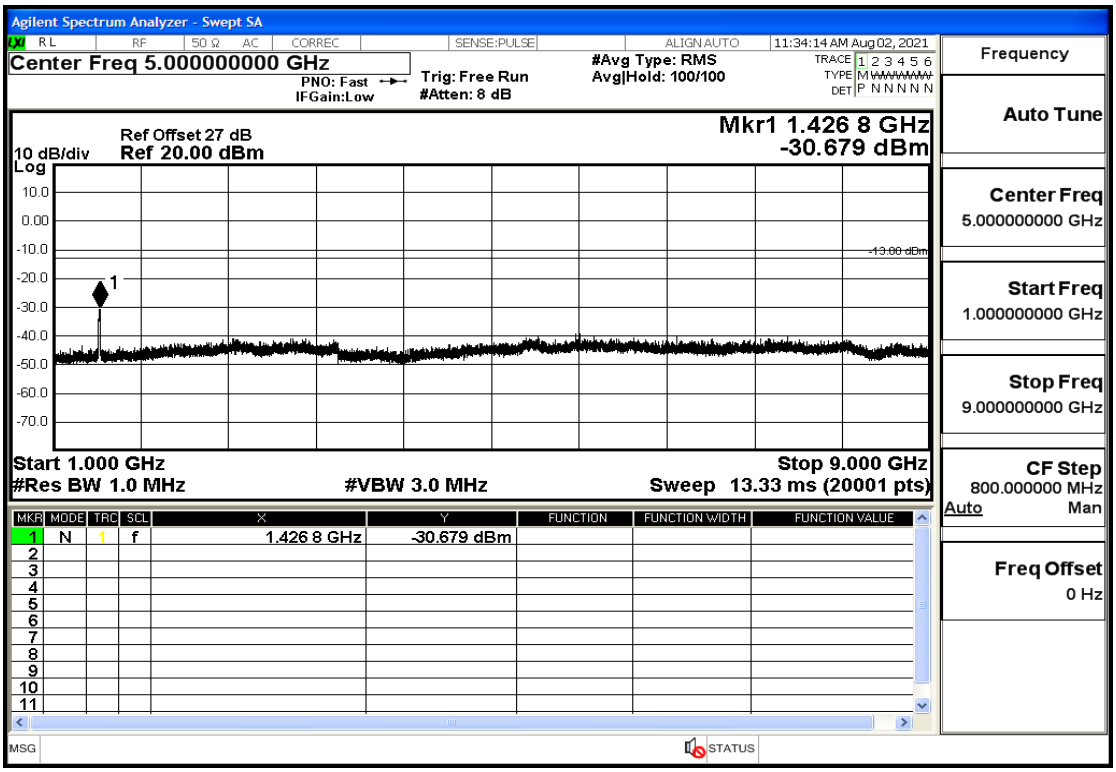


OB12-10-711-QPSK-50#LOW@1GHz-9GHz@Pass



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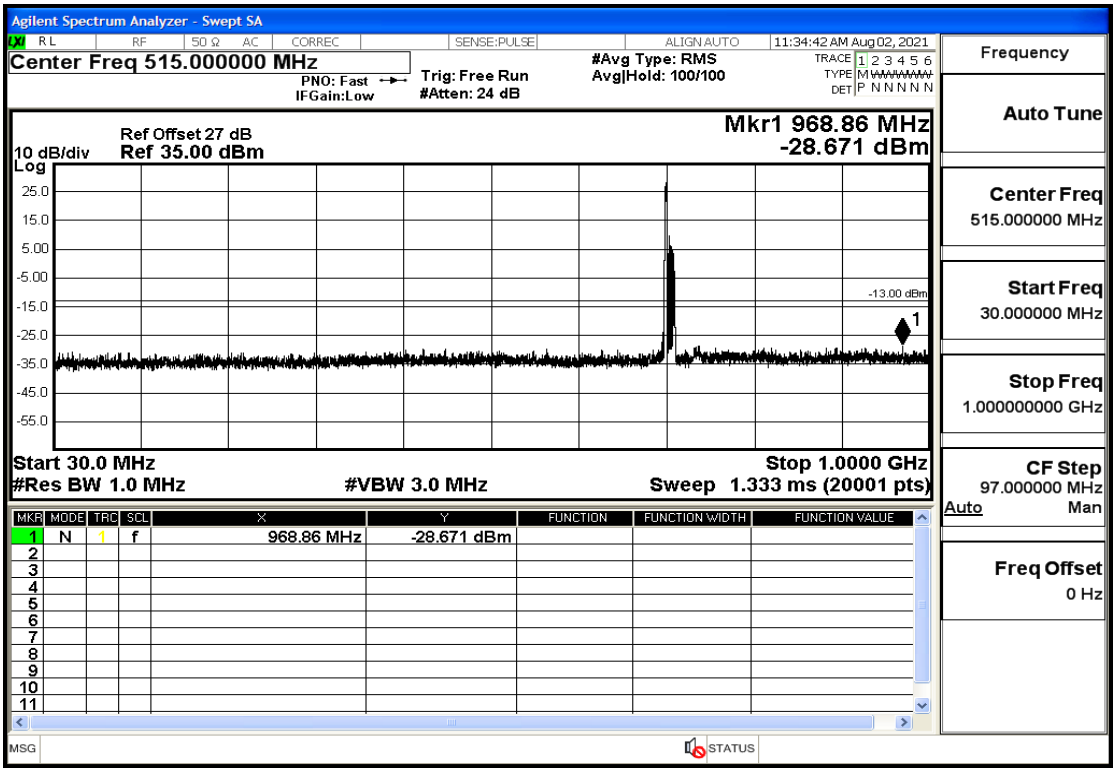
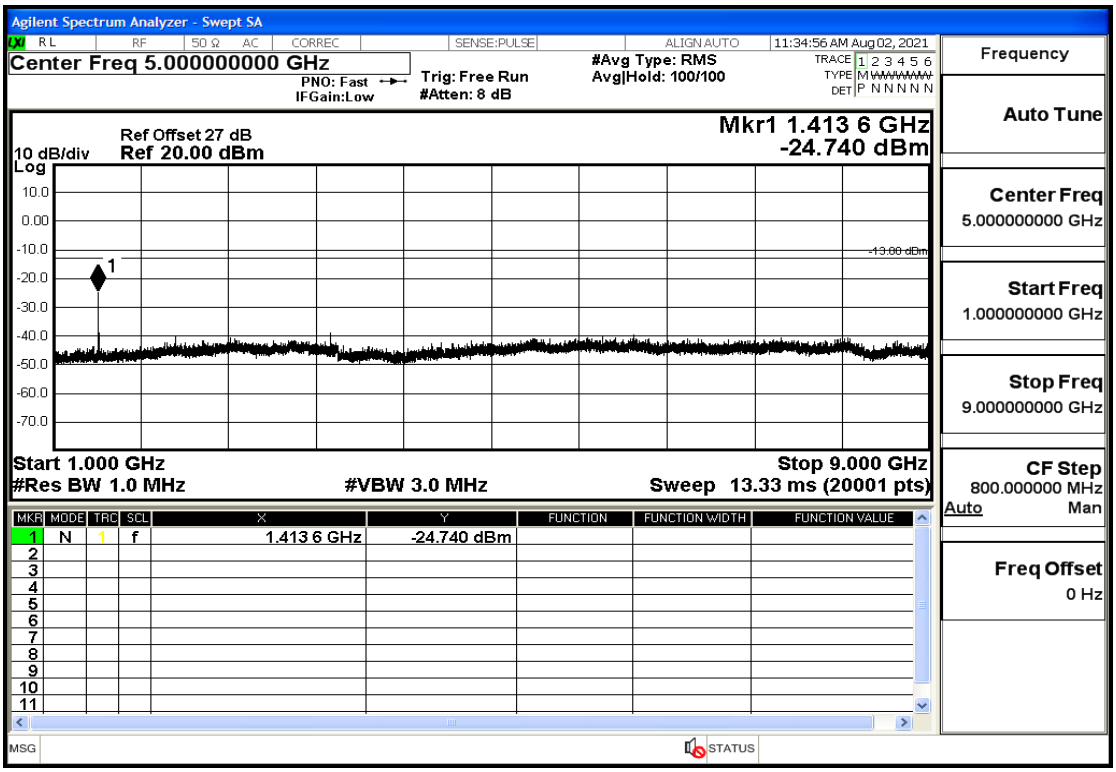
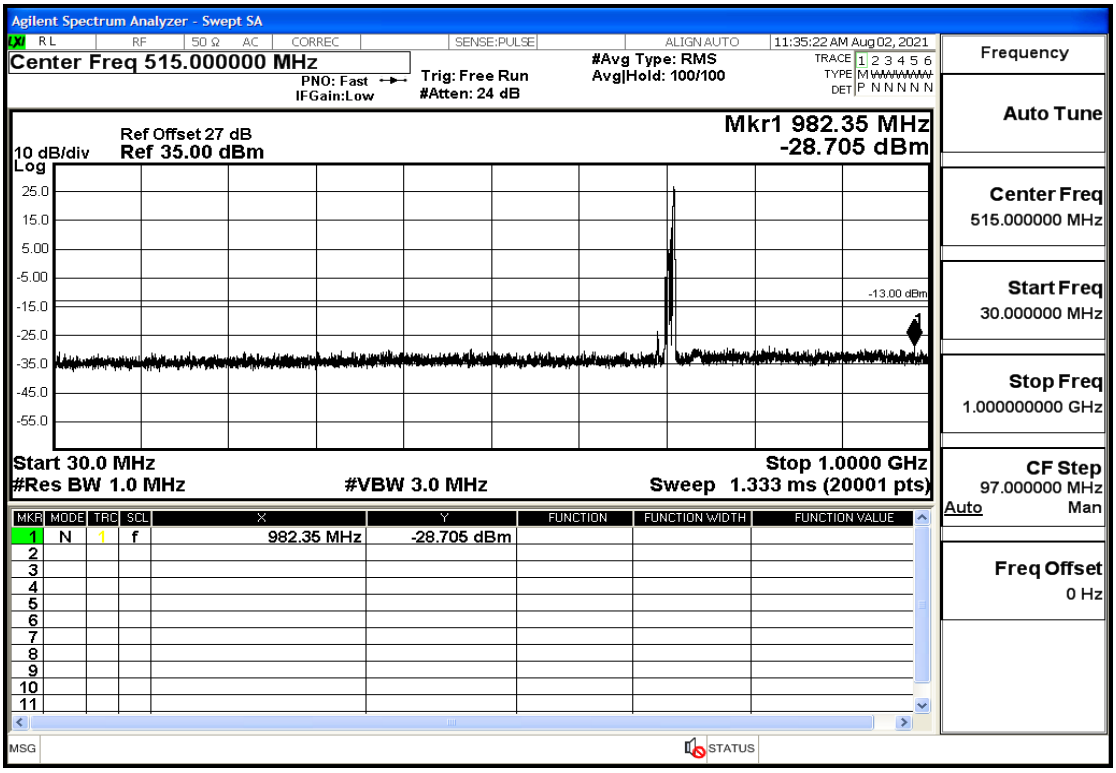


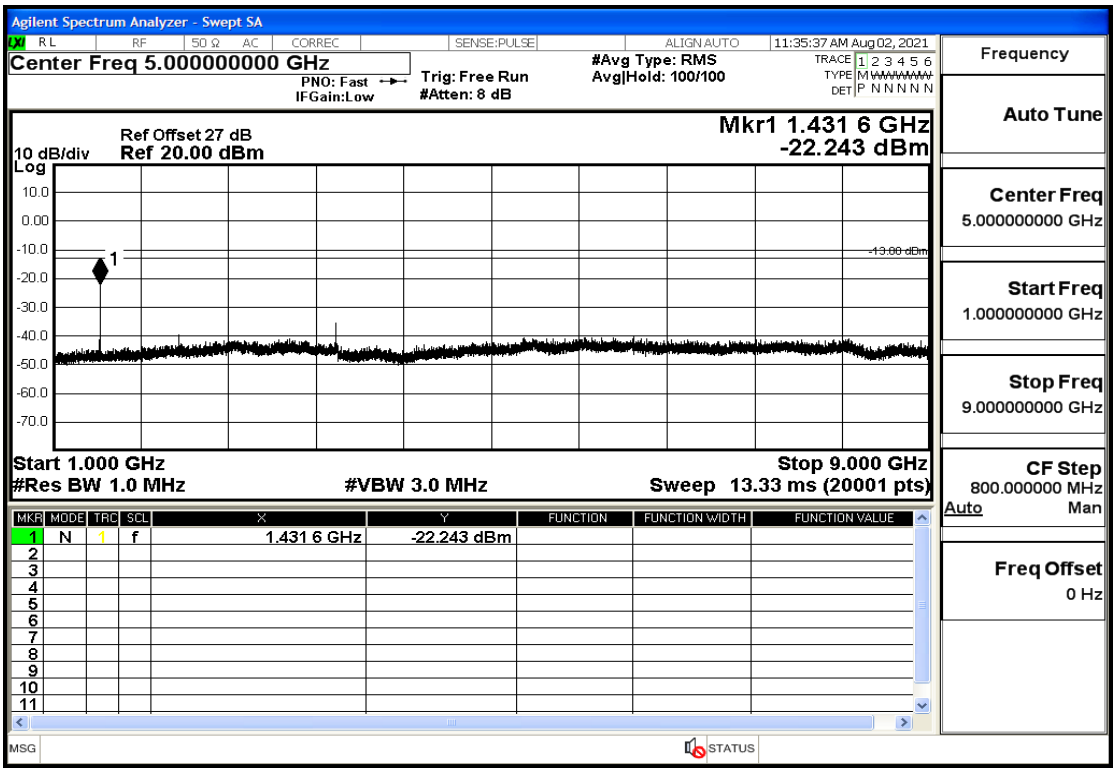
OB12-10-711-QPSK-1#LOW@1GHz-9GHz@Pass



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



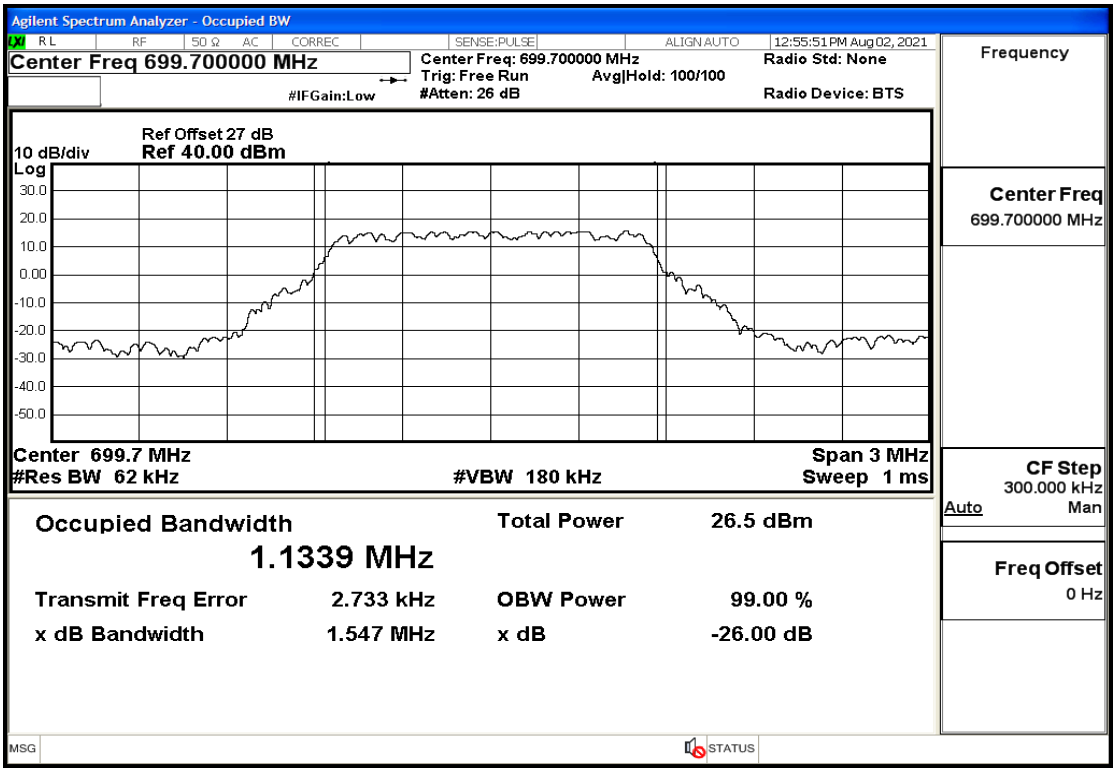
OB12-10-711-QPSK-1#HIGH@1GHz-9GHz@Pass



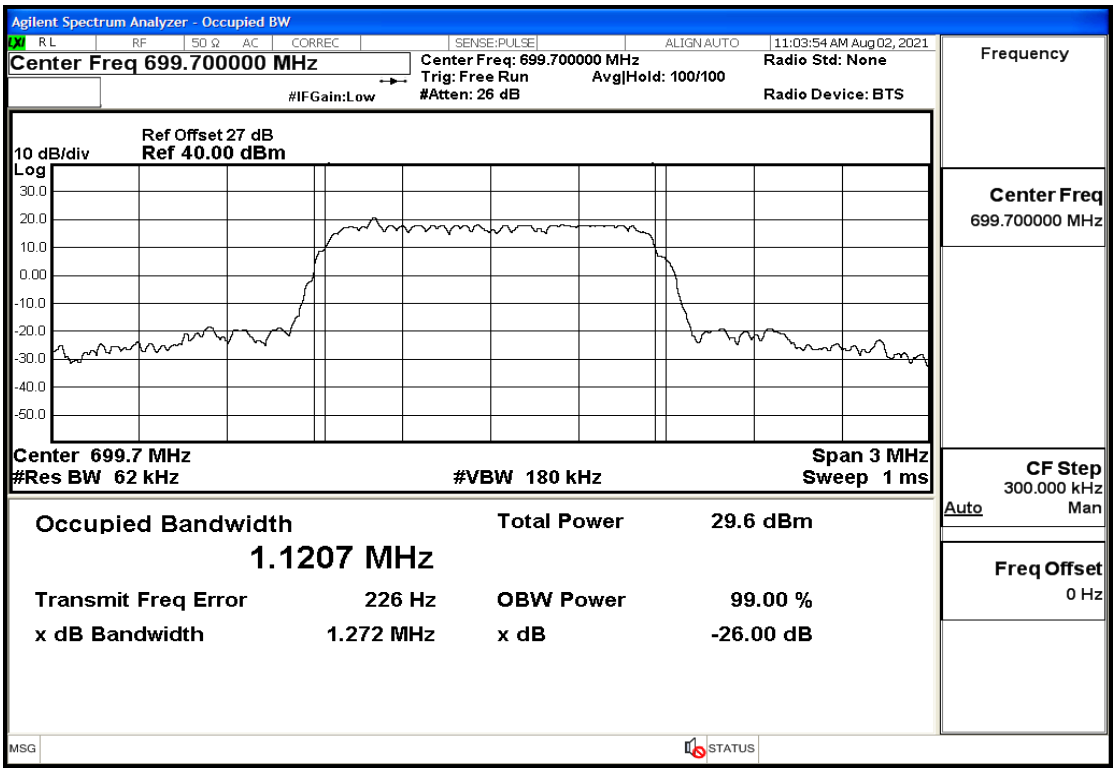
Emission bandwidth and OBW

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	1133.9	1547	No limit
Band12	1.4	699.7	16QAM	6	LOW	1120.7	1272	No limit
Band12	1.4	707.5	QPSK	6	LOW	1107.7	1290	No limit
Band12	1.4	707.5	16QAM	6	LOW	1108.2	1293	No limit
Band12	1.4	715.3	QPSK	6	LOW	1124.7	1292	No limit
Band12	1.4	715.3	16QAM	6	LOW	1123.3	1286	No limit
Band12	3	700.5	QPSK	15	LOW	2778	3123	No limit
Band12	3	700.5	16QAM	15	LOW	2769.4	3072	No limit
Band12	3	707.5	QPSK	15	LOW	2746.1	3108	No limit
Band12	3	707.5	16QAM	15	LOW	2771.2	3115	No limit
Band12	3	714.5	QPSK	15	LOW	2786.9	3080	No limit
Band12	3	714.5	16QAM	15	LOW	2743.6	3112	No limit
Band12	5	701.5	QPSK	25	LOW	4566.5	5060	No limit
Band12	5	701.5	16QAM	25	LOW	4576	5045	No limit
Band12	5	707.5	QPSK	25	LOW	4594.3	5051	No limit
Band12	5	707.5	16QAM	25	LOW	4564.3	5114	No limit
Band12	5	713.5	QPSK	25	LOW	4578.2	5082	No limit
Band12	5	713.5	16QAM	25	LOW	4568.9	5095	No limit
Band12	10	704	QPSK	50	LOW	9096.6	9958	No limit
Band12	10	704	16QAM	50	LOW	9097.2	9914	No limit
Band12	10	707.5	QPSK	50	LOW	9104.3	10090	No limit
Band12	10	707.5	16QAM	50	LOW	9064.5	10150	No limit
Band12	10	711	QPSK	50	LOW	9124.5	10230	No limit
Band12	10	711	16QAM	50	LOW	9089.2	9981	No limit

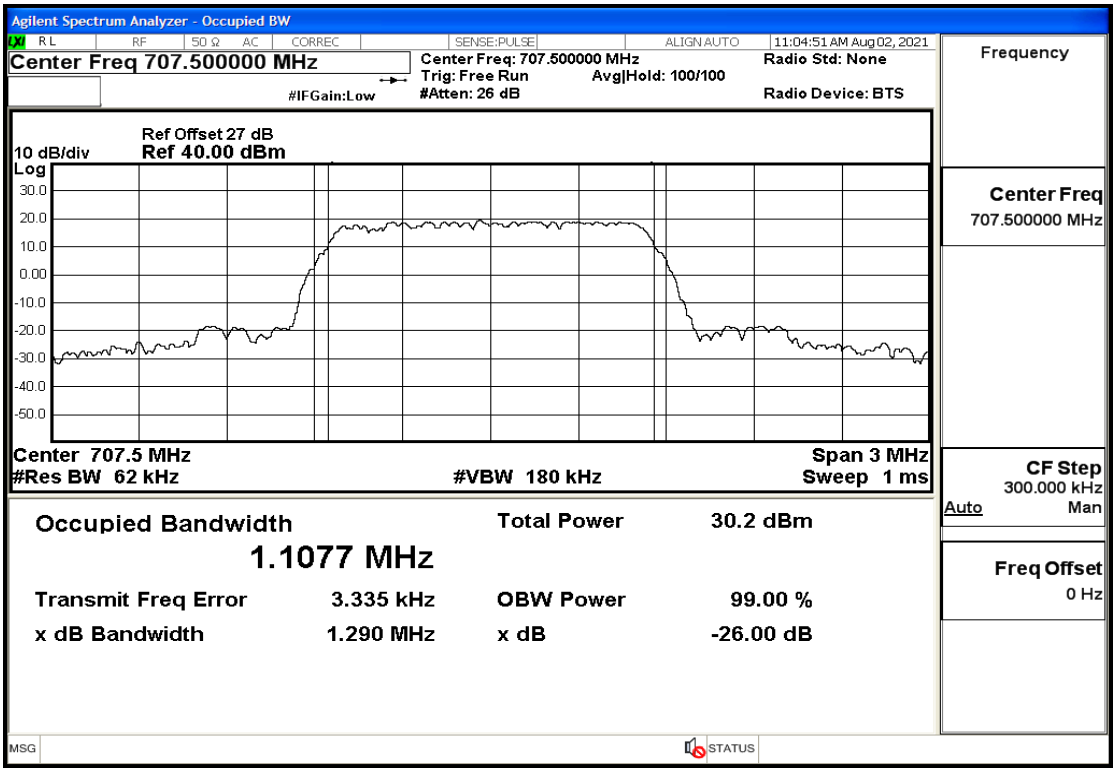
Band12-1.4-699.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



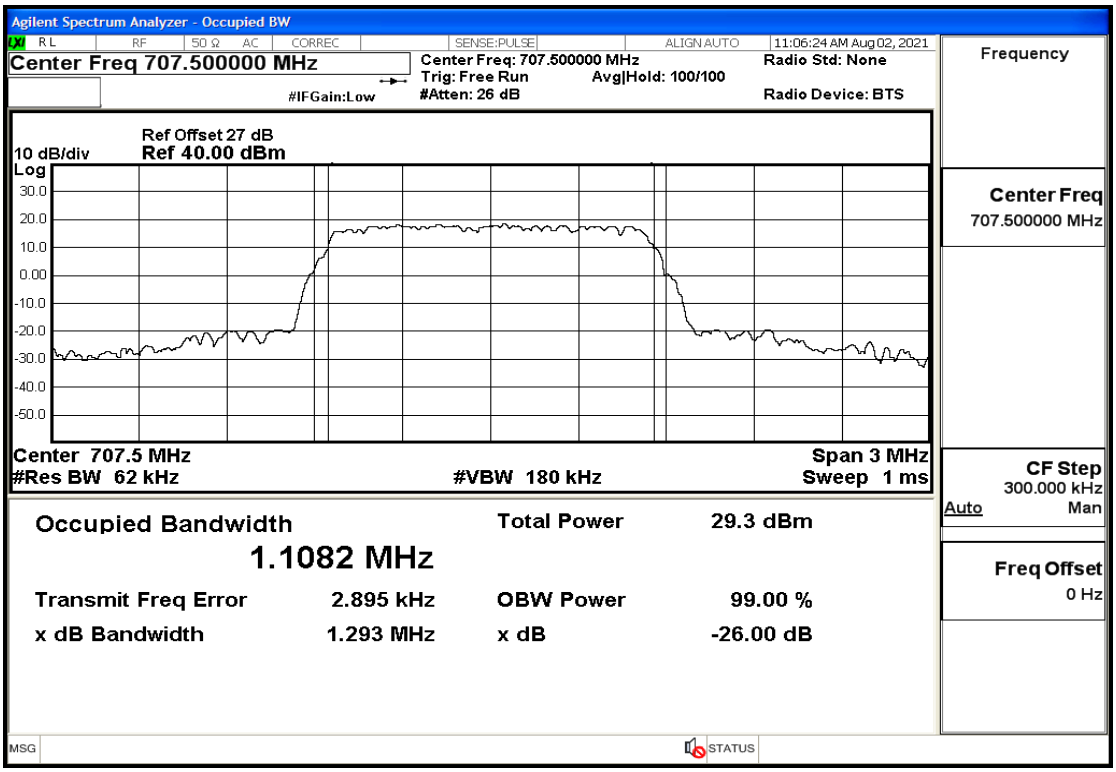
Band12-1.4-699.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



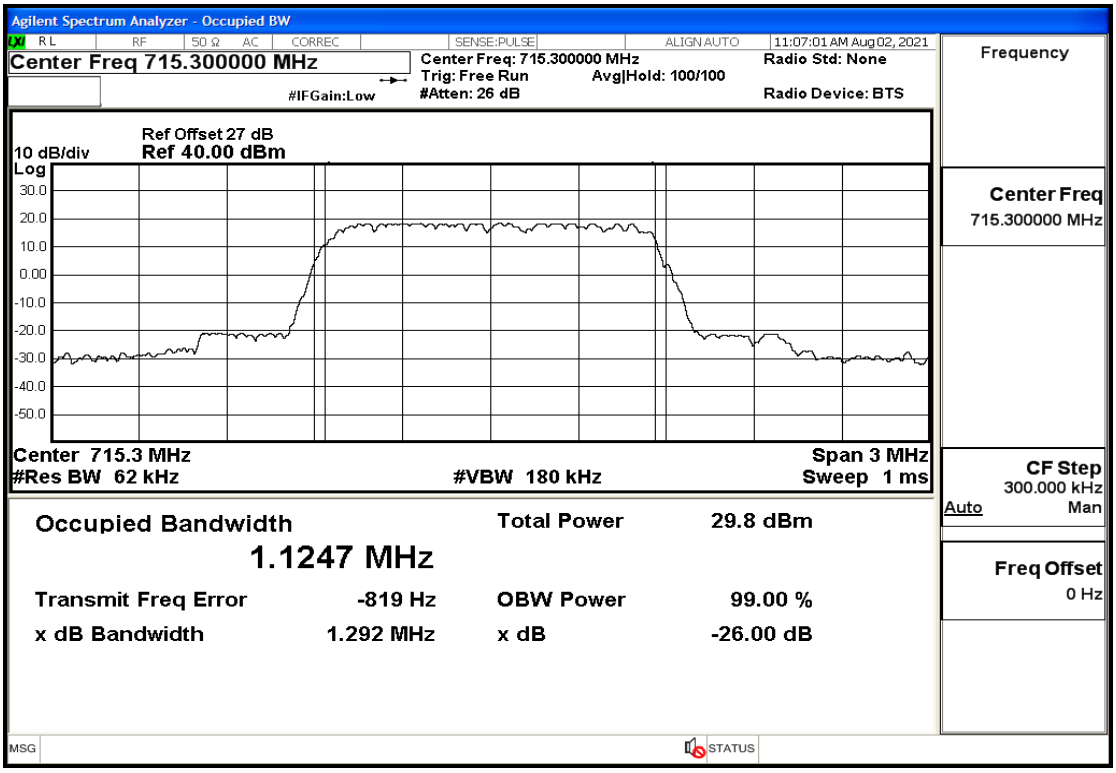
Band12-1.4-707.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



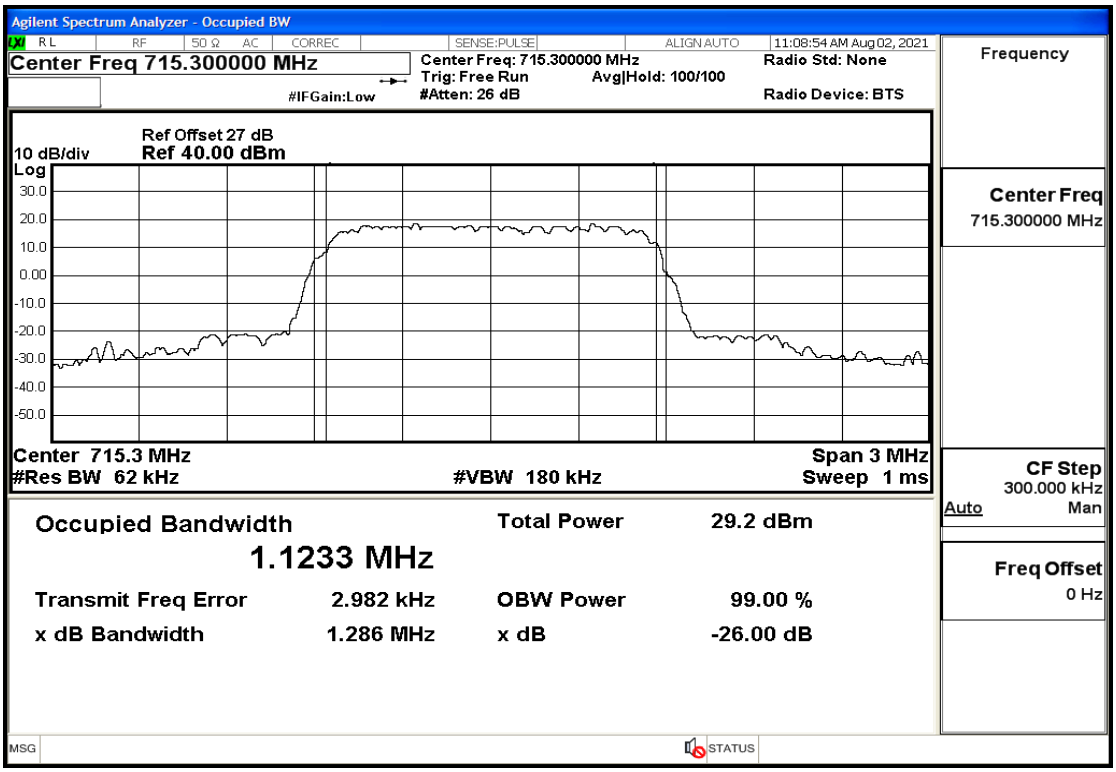
Band12-1.4-707.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



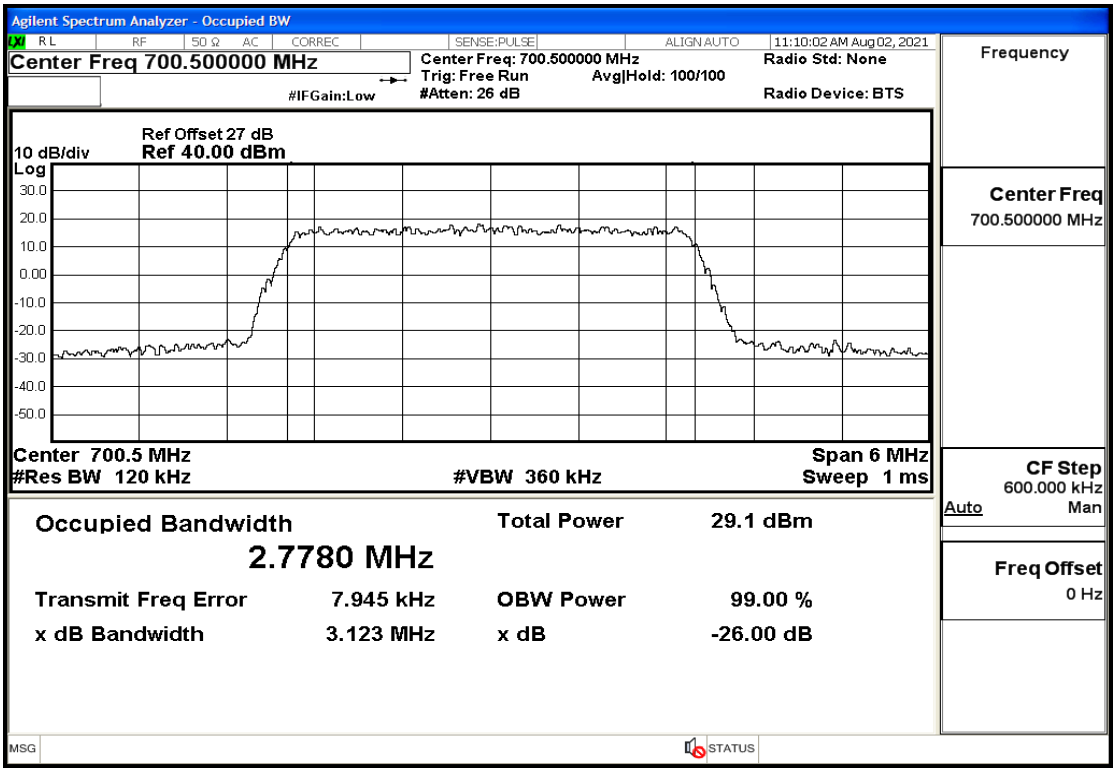
Band12-1.4-715.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



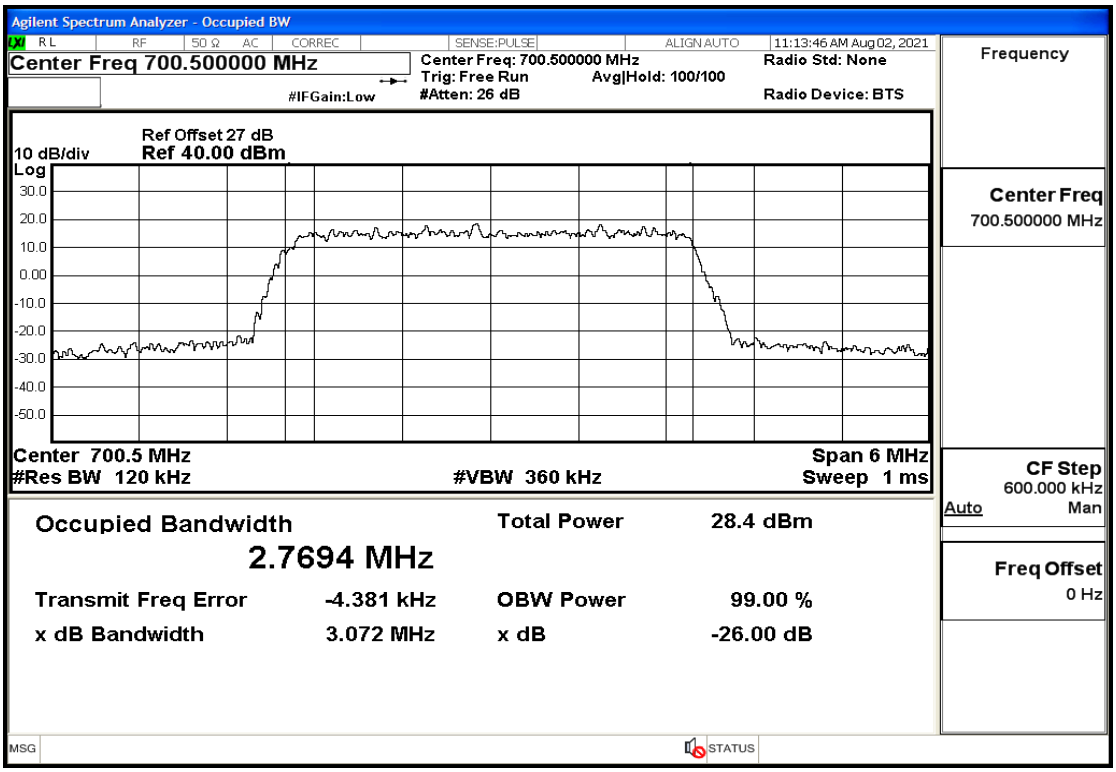
Band12-1.4-715.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



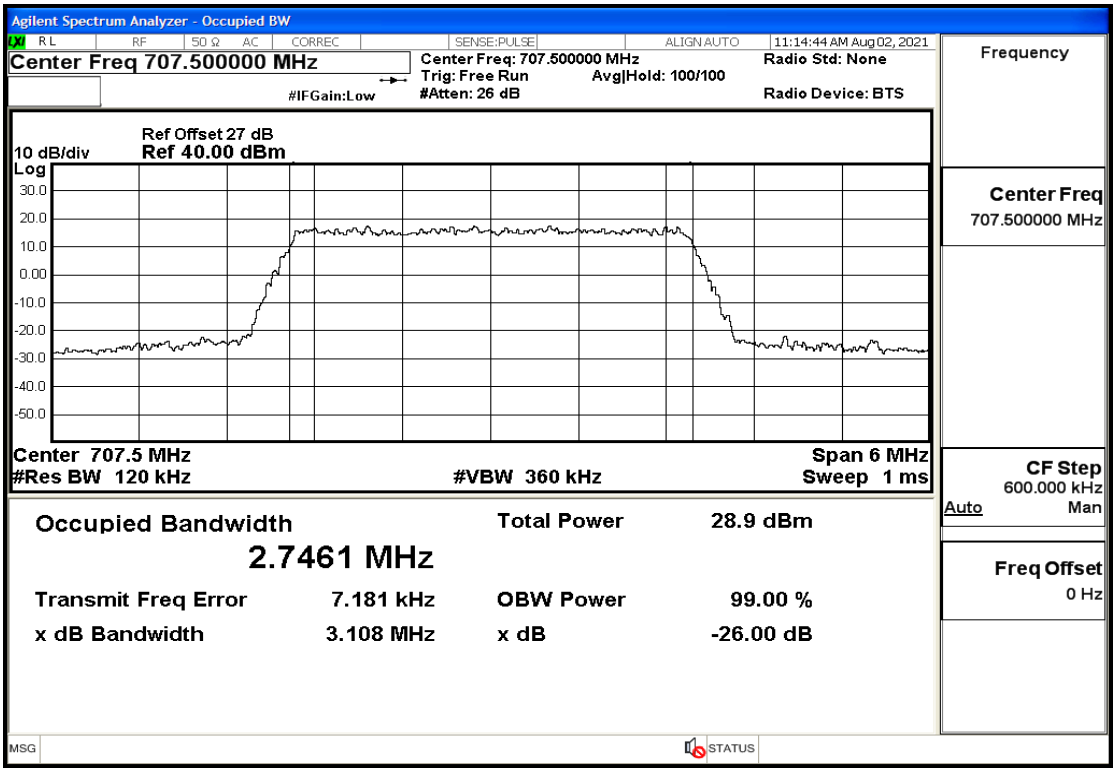
Band12-3-700.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



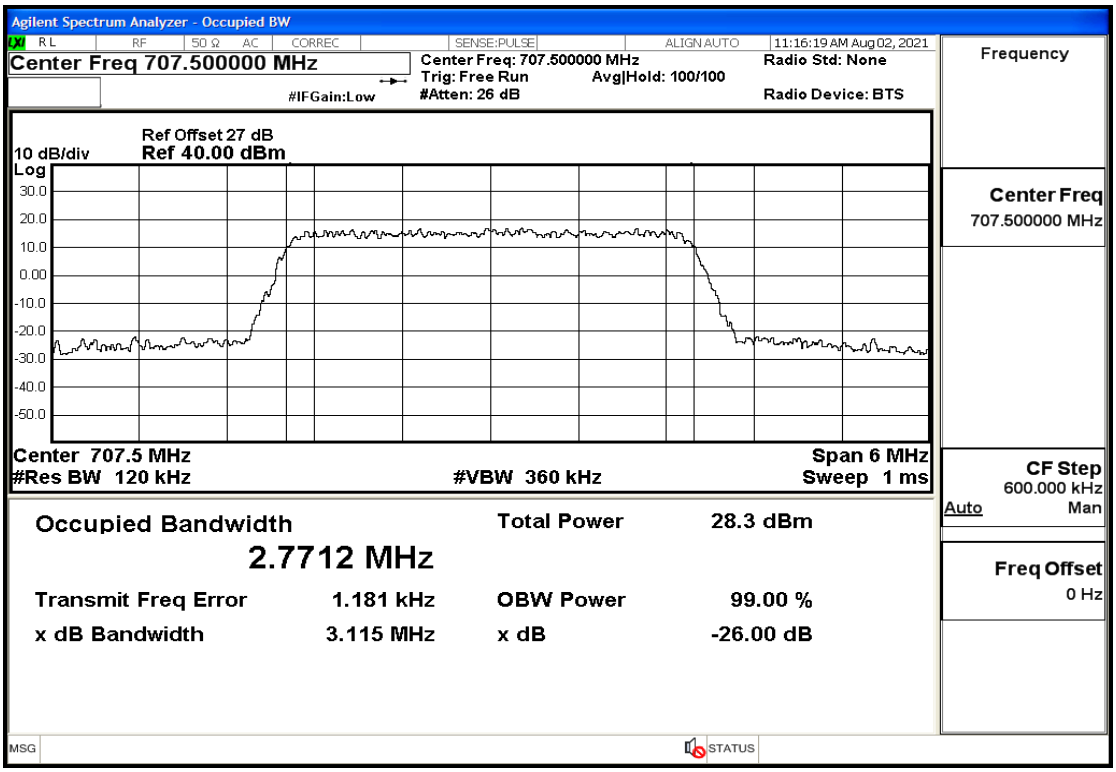
Band12-3-700.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



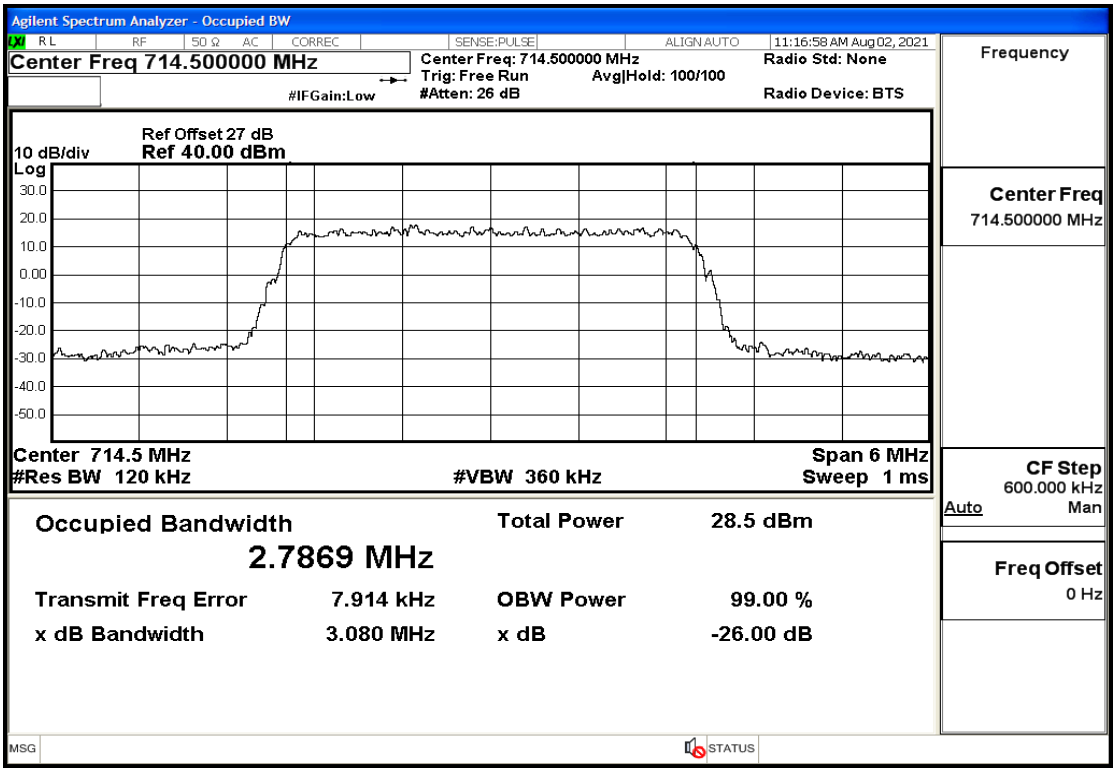
Band12-3-707.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



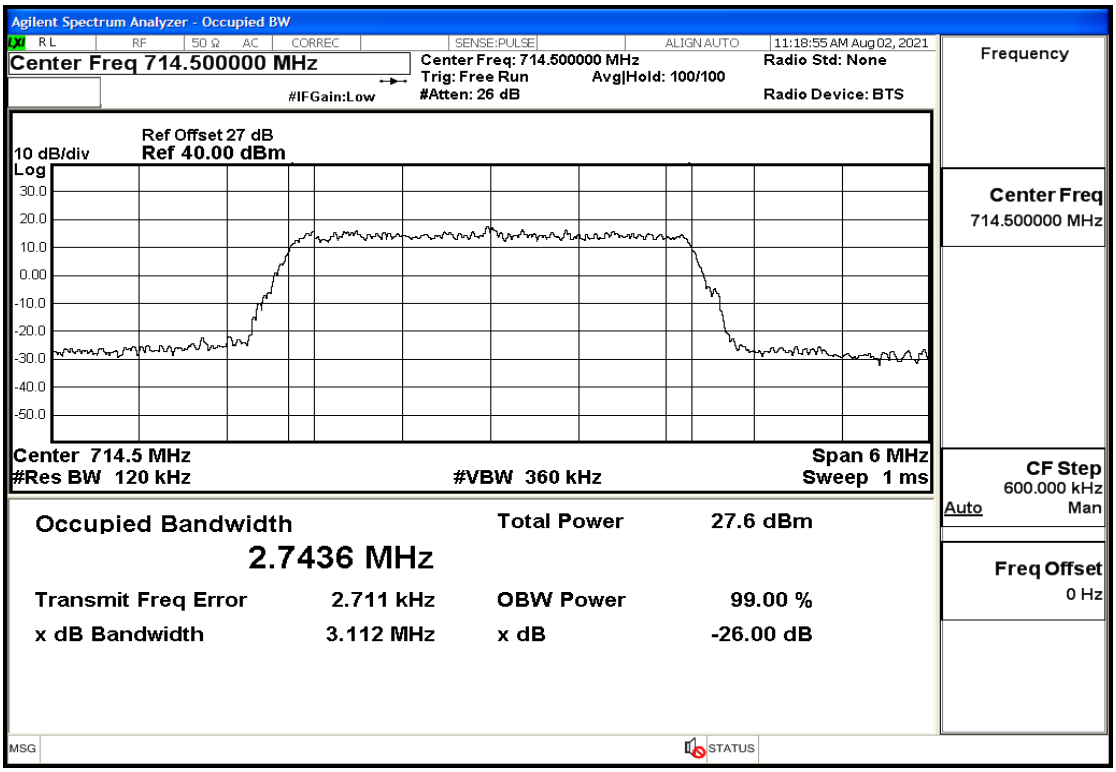
Band12-3-707.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



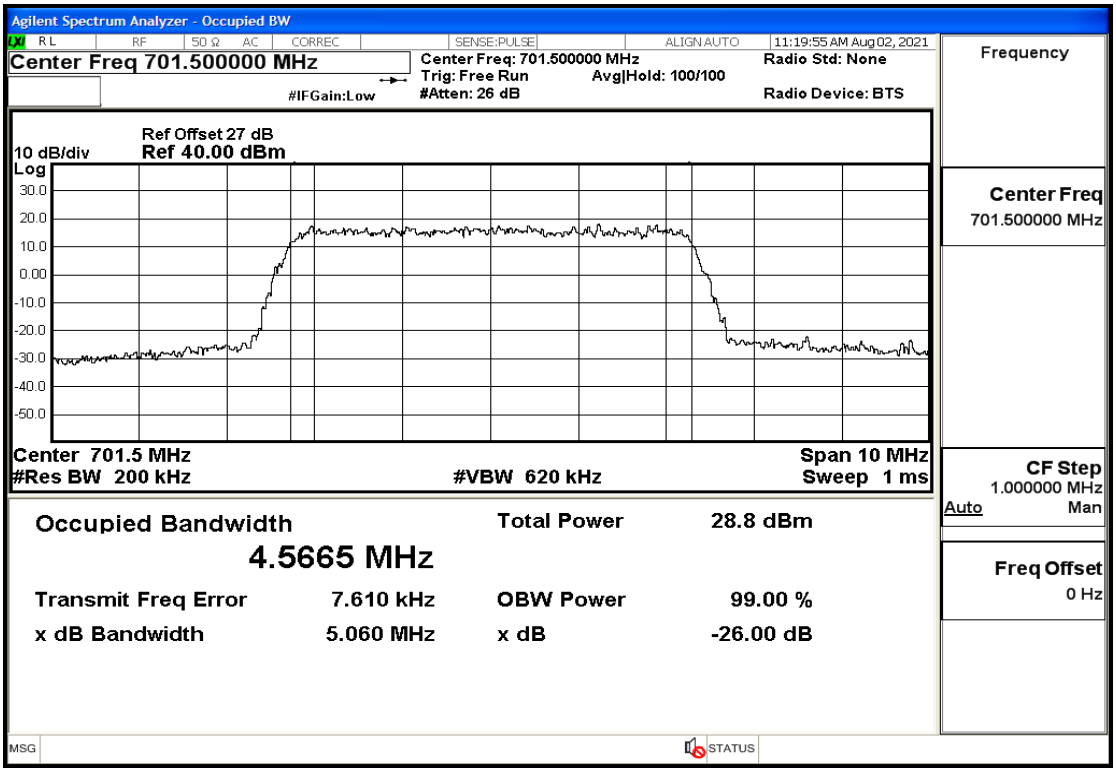
Band12-3-714.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



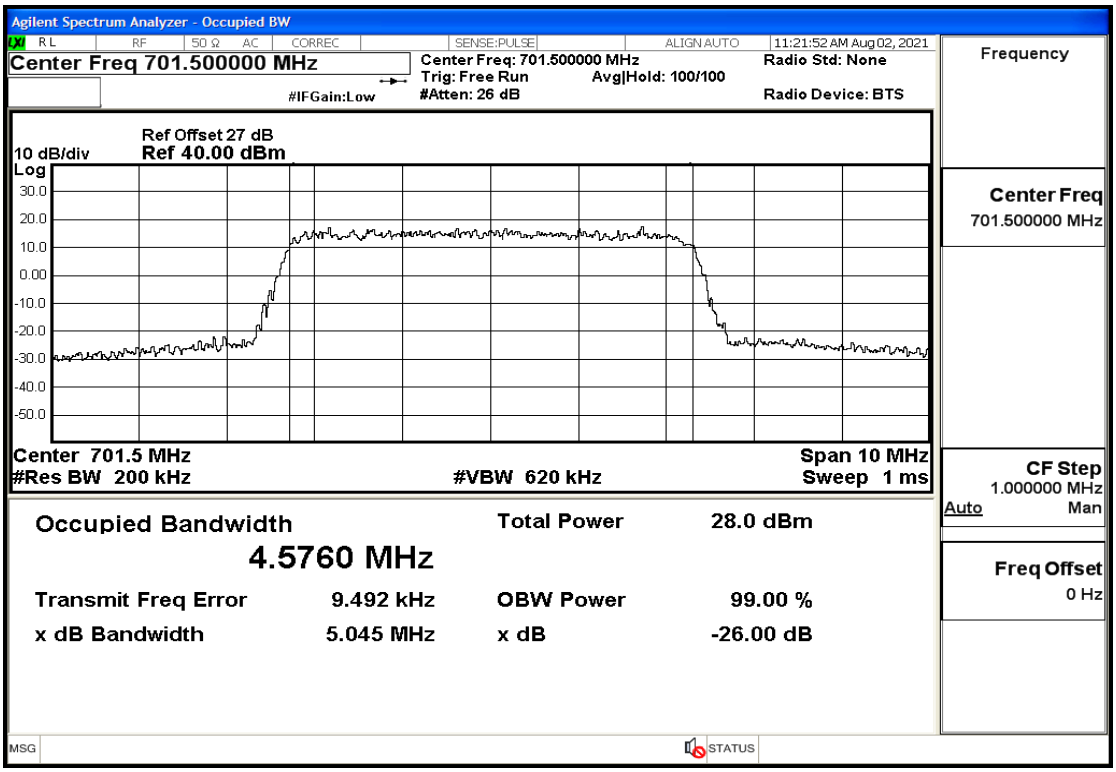
Band12-3-714.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



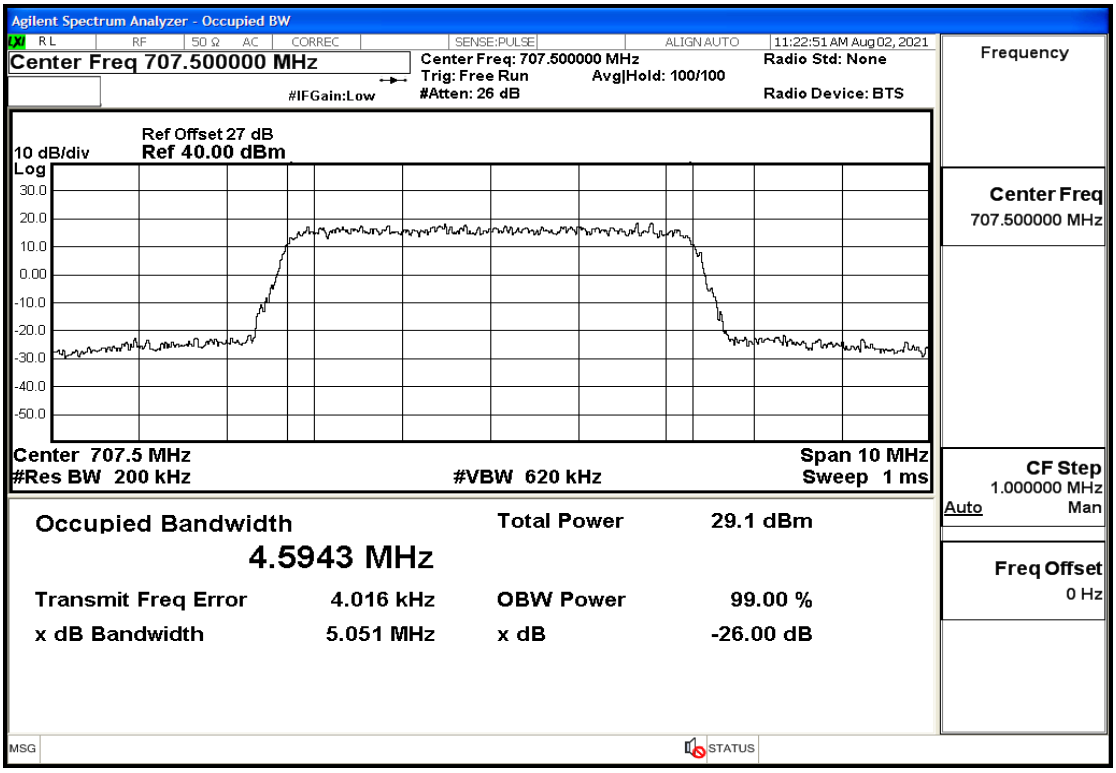
Band12-5-701.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



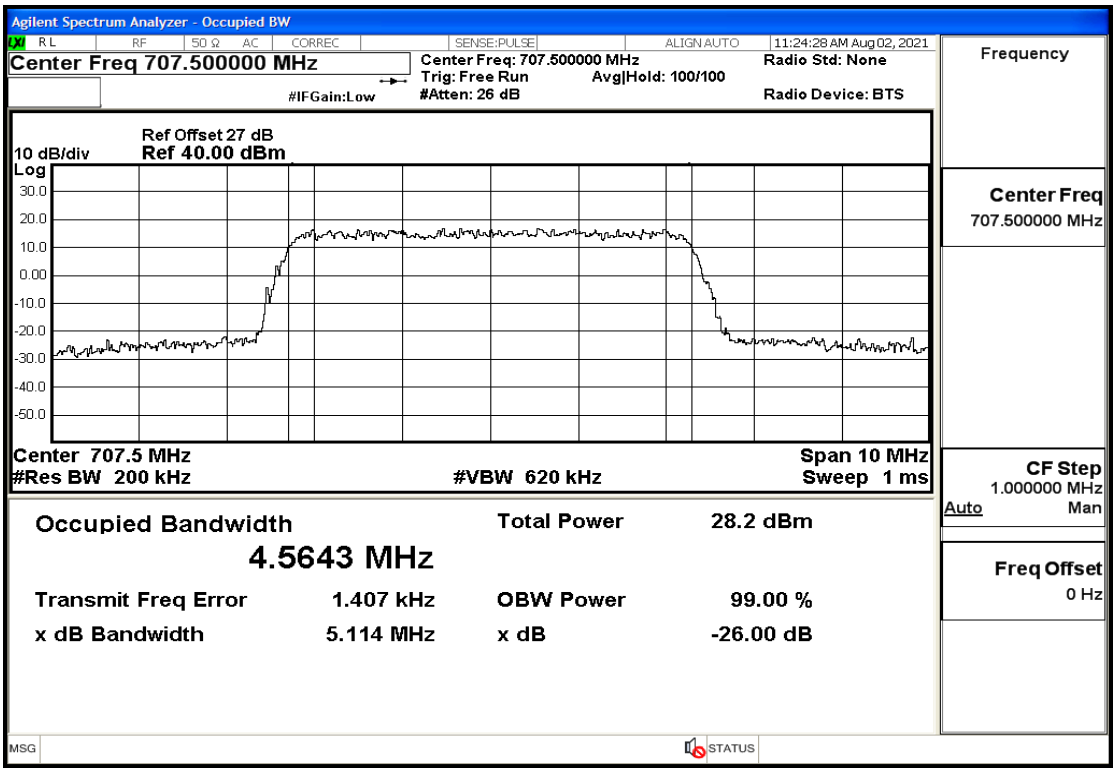
Band12-5-701.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



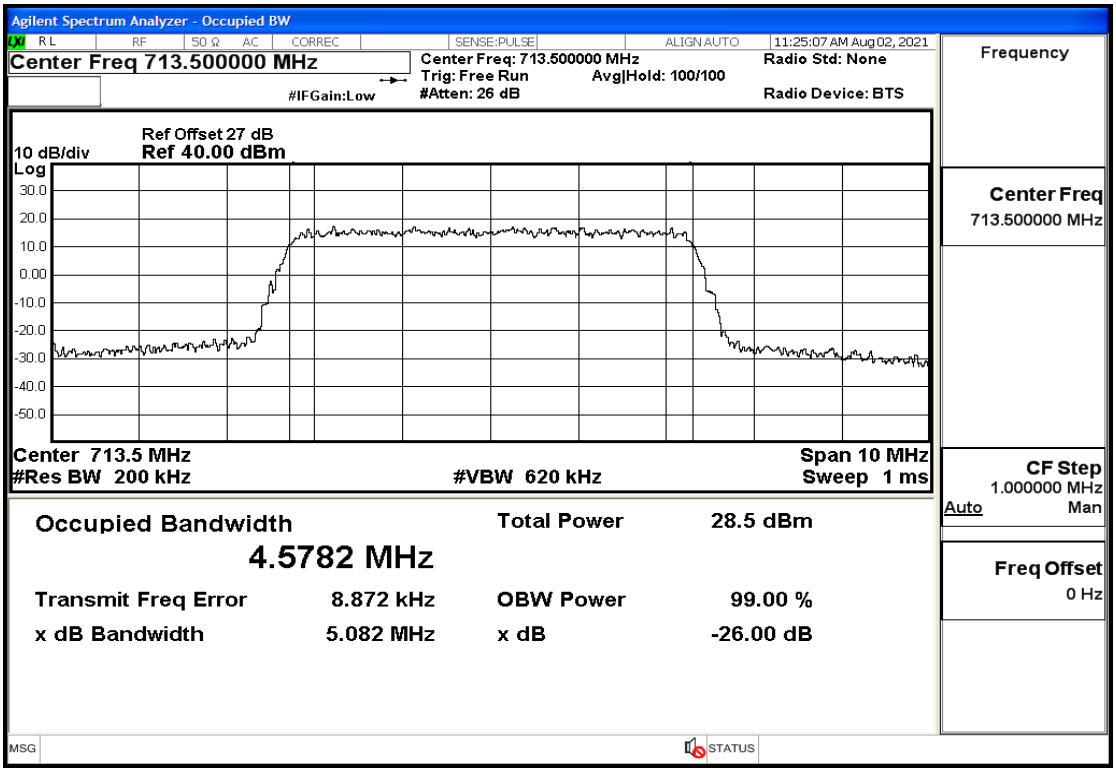
Band12-5-707.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



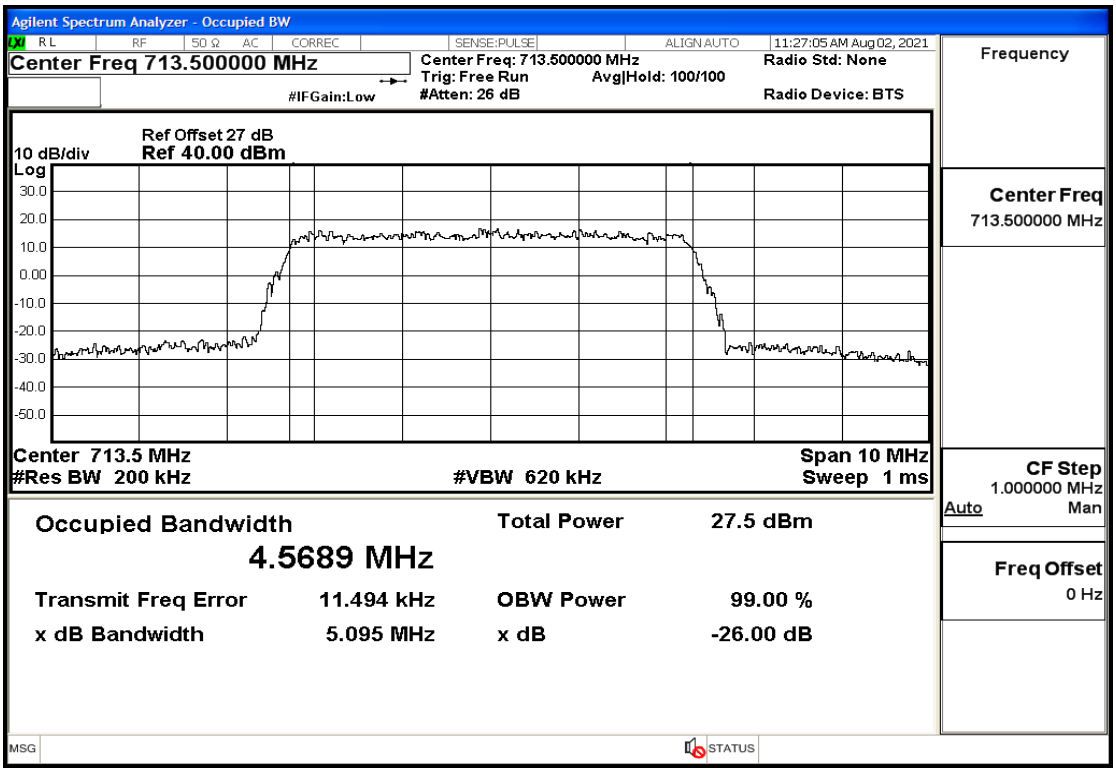
Band12-5-707.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



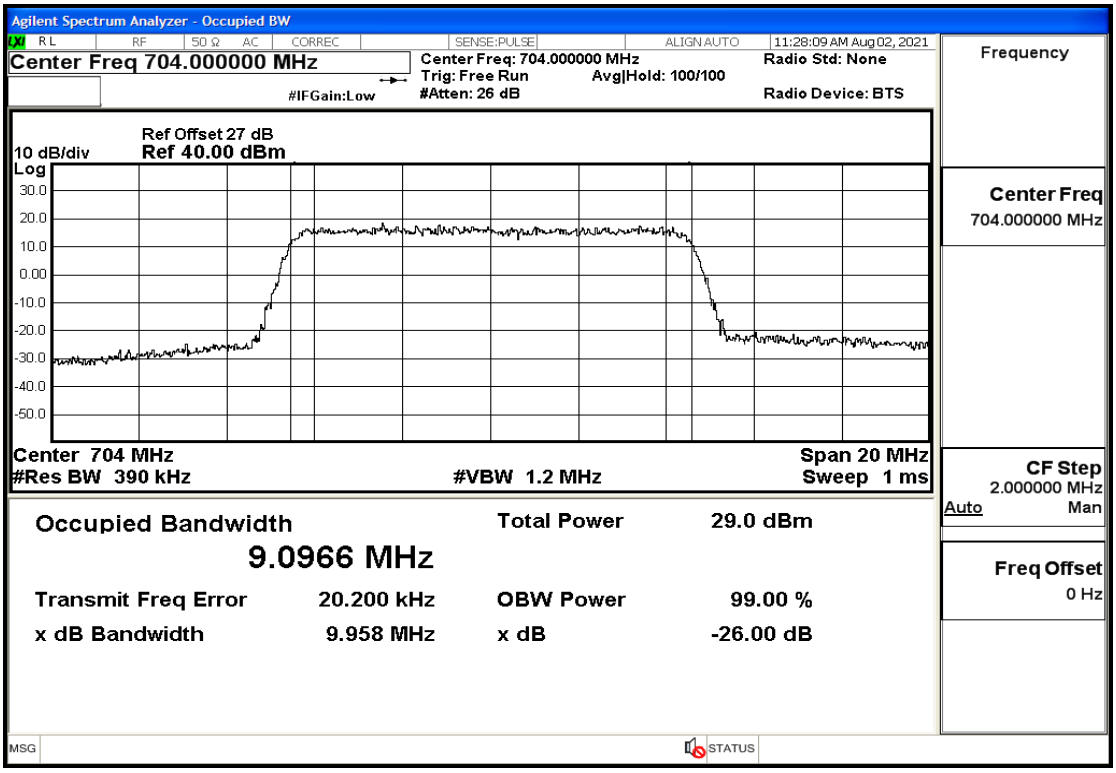
Band12-5-713.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



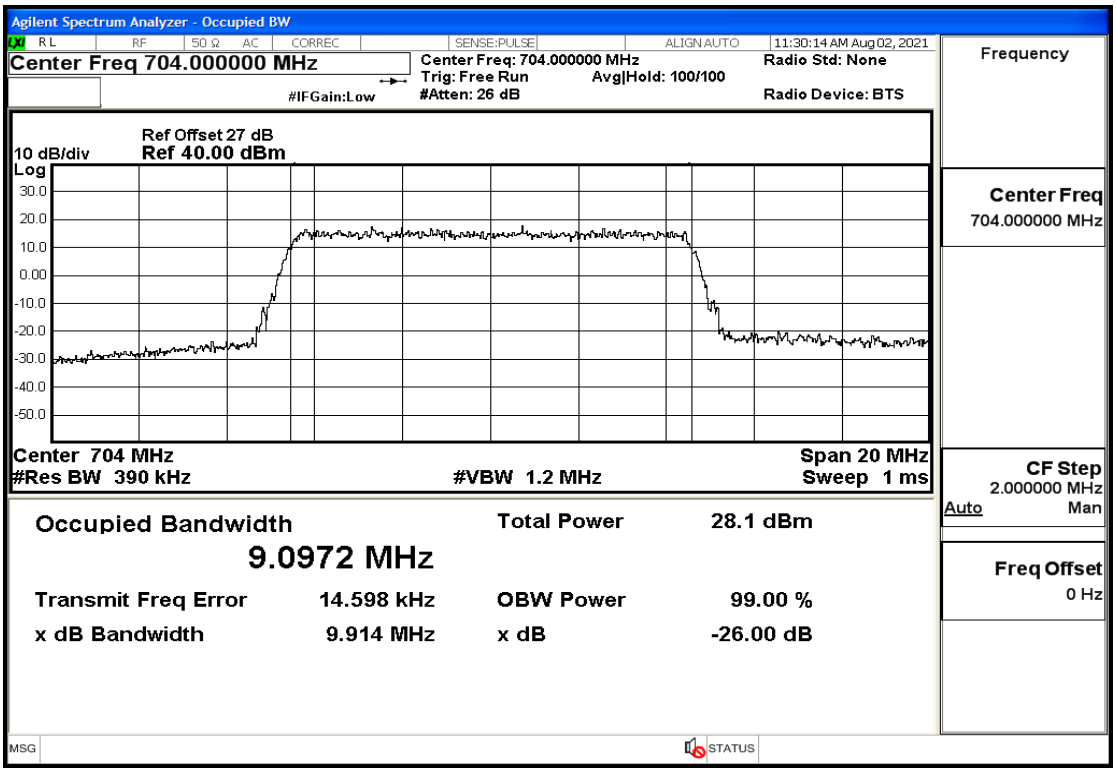
Band12-5-713.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



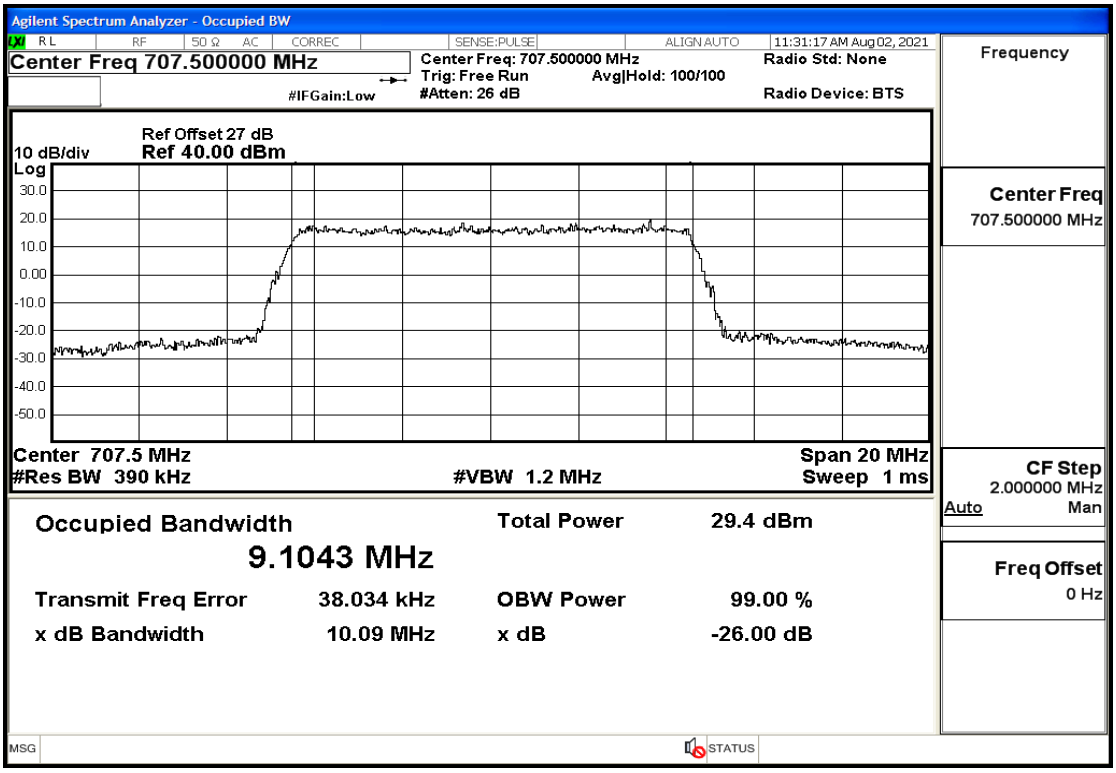
Band12-10-704-QPSK-50#LOW@26dB and 99PCT Bandwidth



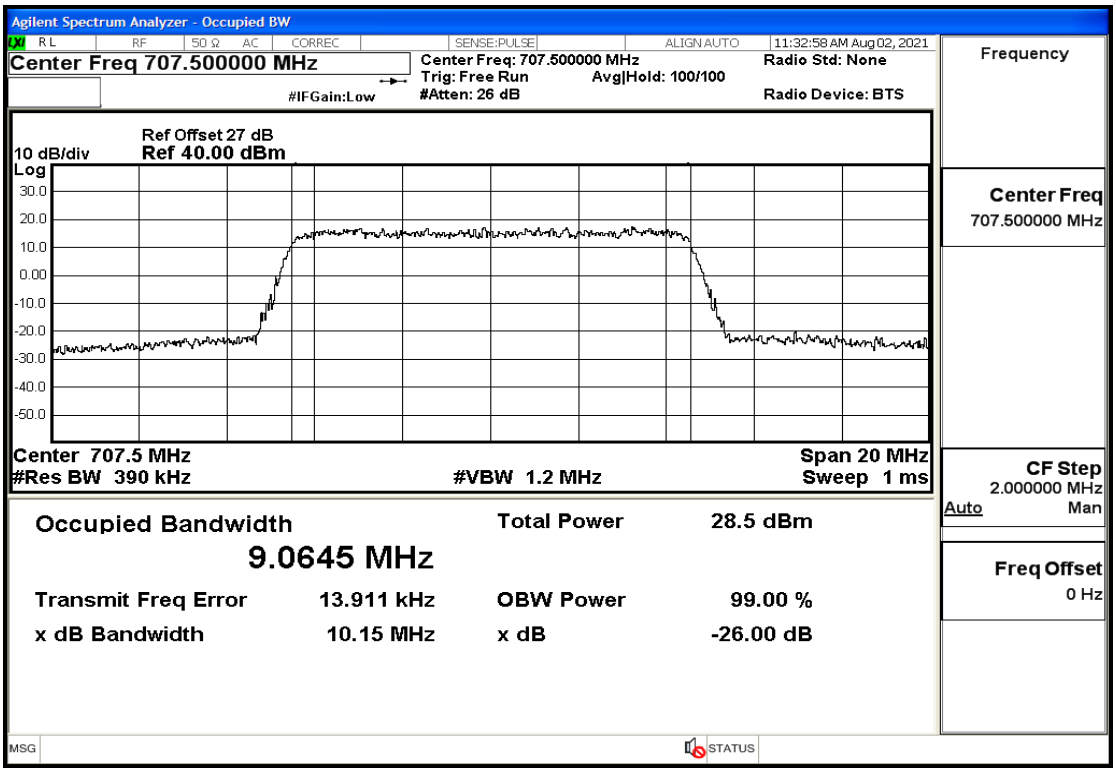
Band12-10-704-16QAM-50#LOW@26dB and 99PCT Bandwidth



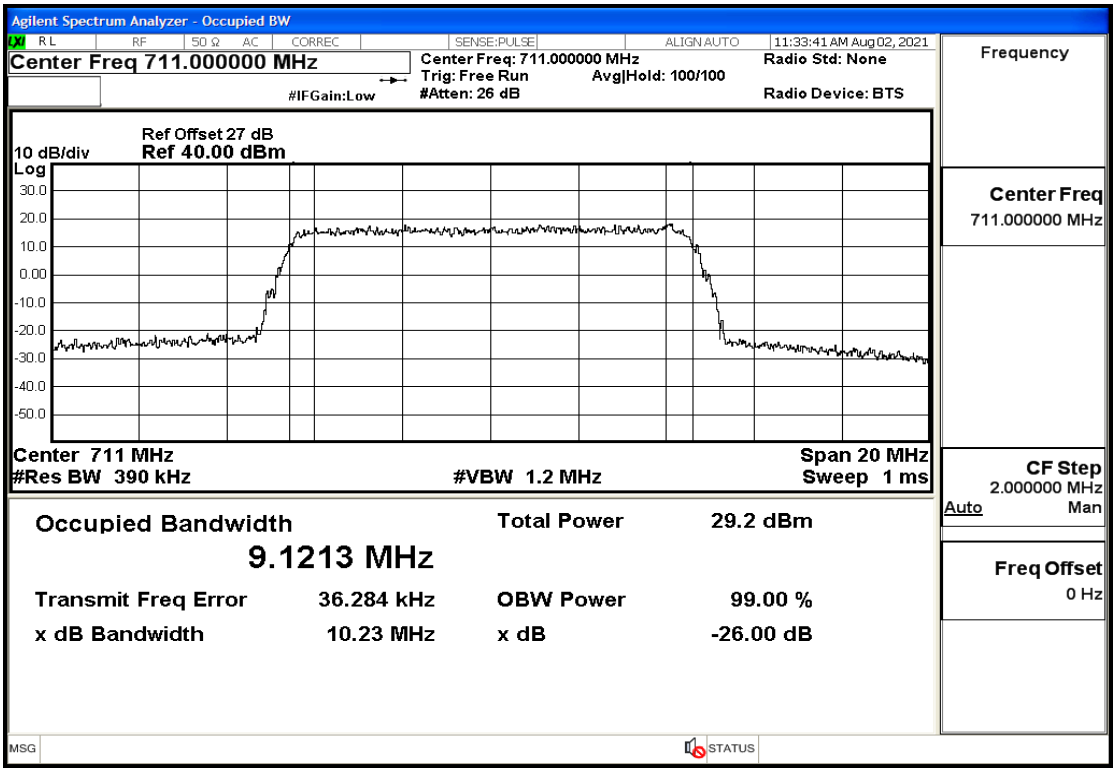
Band12-10-707.5-QPSK-50#LOW@26dB and 99PCT Bandwidth



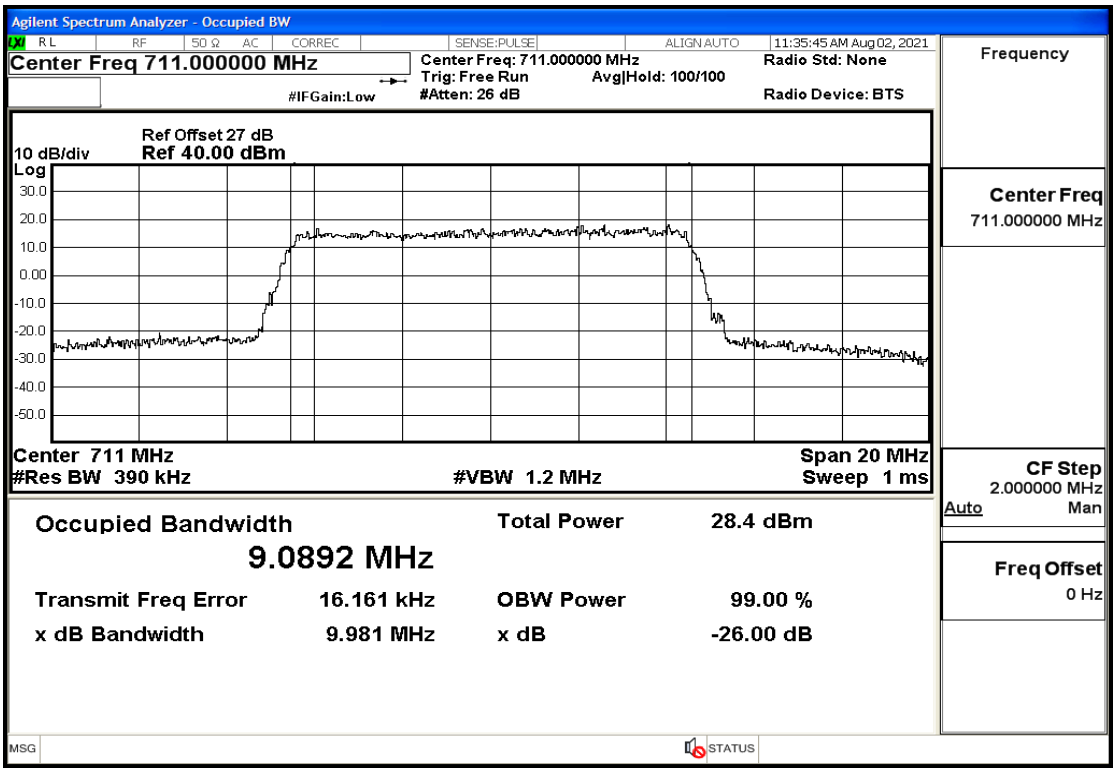
Band12-10-707.5-16QAM-50#LOW@26dB and 99PCT Bandwidth



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	0.0614	PASS
40	Normal Voltage	0.0326	
30	Normal Voltage	0.0179	
20(Ref.)	Normal Voltage	0.0262	
10	Normal Voltage	0.0631	
0	Normal Voltage	0.0198	
-10	Normal Voltage	0.0498	
-20	Normal Voltage	0.0344	
-30	Normal Voltage	0.0176	
20	Maximum Voltage	0.0175	
20	Normal Voltage	0.0254	
20	Battery End Point	0.0563	

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	19.19	25.87	6.68	13	-0.61	16.43	34.8	Pass
Band12	1.4	699.7	QPSK	3	LOW	22.73	29.27	6.54	13	-0.61	19.97	34.8	Pass
Band12	1.4	699.7	QPSK	3	MID	22.72	29.16	6.44	13	-0.61	19.96	34.8	Pass
Band12	1.4	699.7	QPSK	3	HIGH	22.77	29.17	6.4	13	-0.61	20.01	34.8	Pass
Band12	1.4	699.7	QPSK	1	LOW	22.86	28.99	6.13	13	-0.61	20.1	34.8	Pass
Band12	1.4	699.7	QPSK	1	MID	22.75	28.89	6.14	13	-0.61	19.99	34.8	Pass
Band12	1.4	699.7	QPSK	1	HIGH	22.83	28.9	6.07	13	-0.61	20.07	34.8	Pass
Band12	1.4	699.7	16QAM	6	LOW	21.29	29.11	7.82	13	-0.61	18.53	34.8	Pass
Band12	1.4	699.7	16QAM	3	LOW	22.2	28.68	6.48	13	-0.61	19.44	34.8	Pass
Band12	1.4	699.7	16QAM	3	MID	22.3	28.72	6.42	13	-0.61	19.54	34.8	Pass
Band12	1.4	699.7	16QAM	3	HIGH	22.25	28.61	6.36	13	-0.61	19.49	34.8	Pass
Band12	1.4	699.7	16QAM	1	LOW	22.67	28.73	6.06	13	-0.61	19.91	34.8	Pass
Band12	1.4	699.7	16QAM	1	MID	22.58	28.42	5.84	13	-0.61	19.82	34.8	Pass
Band12	1.4	699.7	16QAM	1	HIGH	22.63	28.61	5.98	13	-0.61	19.87	34.8	Pass
Band12	1.4	707.5	QPSK	6	LOW	21.92	27.96	6.04	13	-0.61	19.16	34.8	Pass
Band12	1.4	707.5	QPSK	3	LOW	23.03	29.09	6.06	13	-0.61	20.27	34.8	Pass
Band12	1.4	707.5	QPSK	3	MID	23.17	29.22	6.05	13	-0.61	20.41	34.8	Pass
Band12	1.4	707.5	QPSK	3	HIGH	23.01	29.13	6.12	13	-0.61	20.25	34.8	Pass
Band12	1.4	707.5	QPSK	1	LOW	23.07	28.92	5.85	13	-0.61	20.31	34.8	Pass
Band12	1.4	707.5	QPSK	1	MID	23.06	28.9	5.84	13	-0.61	20.3	34.8	Pass
Band12	1.4	707.5	QPSK	1	HIGH	23.11	29.01	5.9	13	-0.61	20.35	34.8	Pass
Band12	1.4	707.5	16QAM	6	LOW	21.07	28.36	7.29	13	-0.61	18.31	34.8	Pass
Band12	1.4	707.5	16QAM	3	LOW	21.83	28.97	7.14	13	-0.61	19.07	34.8	Pass
Band12	1.4	707.5	16QAM	3	MID	21.9	28.95	7.05	13	-0.61	19.14	34.8	Pass
Band12	1.4	707.5	16QAM	3	HIGH	21.87	29.11	7.24	13	-0.61	19.11	34.8	Pass
Band12	1.4	707.5	16QAM	1	LOW	22.61	27.88	5.27	13	-0.61	19.85	34.8	Pass
Band12	1.4	707.5	16QAM	1	MID	22.62	27.81	5.19	13	-0.61	19.86	34.8	Pass
Band12	1.4	707.5	16QAM	1	HIGH	22.66	27.96	5.3	13	-0.61	19.9	34.8	Pass
Band12	1.4	715.3	QPSK	6	LOW	21.55	27.68	6.13	13	-0.61	18.79	34.8	Pass
Band12	1.4	715.3	QPSK	3	LOW	22.59	28.83	6.24	13	-0.61	19.83	34.8	Pass
Band12	1.4	715.3	QPSK	3	MID	22.57	28.79	6.22	13	-0.61	19.81	34.8	Pass
Band12	1.4	715.3	QPSK	3	HIGH	22.57	28.61	6.04	13	-0.61	19.81	34.8	Pass
Band12	1.4	715.3	QPSK	1	LOW	22.68	28.18	5.5	13	-0.61	19.92	34.8	Pass
Band12	1.4	715.3	QPSK	1	MID	22.64	28.15	5.51	13	-0.61	19.88	34.8	Pass
Band12	1.4	715.3	QPSK	1	HIGH	22.66	28.13	5.47	13	-0.61	19.9	34.8	Pass
Band12	1.4	715.3	16QAM	6	LOW	20.94	27.83	6.89	13	-0.61	18.18	34.8	Pass
Band12	1.4	715.3	16QAM	3	LOW	21.6	28.59	6.99	13	-0.61	18.84	34.8	Pass
Band12	1.4	715.3	16QAM	3	MID	21.59	28.59	7	13	-0.61	18.83	34.8	Pass
Band12	1.4	715.3	16QAM	3	HIGH	21.6	28.36	6.76	13	-0.61	18.84	34.8	Pass
Band12	1.4	715.3	16QAM	1	LOW	21.32	26.76	5.44	13	-0.61	18.56	34.8	Pass

Band12	1.4	715.3	16QAM	1	MID	21.4	26.82	5.42	13	-0.61	18.64	34.8	Pass
Band12	1.4	715.3	16QAM	1	HIGH	21.5	26.91	5.41	13	-0.61	18.74	34.8	Pass
Band12	3	700.5	QPSK	15	LOW	22.16	28.86	6.7	13	-0.61	19.4	34.8	Pass
Band12	3	700.5	QPSK	8	LOW	22.12	28.46	6.34	13	-0.61	19.36	34.8	Pass
Band12	3	700.5	QPSK	8	MID	22.12	28.41	6.29	13	-0.61	19.36	34.8	Pass
Band12	3	700.5	QPSK	8	HIGH	21.74	28.11	6.37	13	-0.61	18.98	34.8	Pass
Band12	3	700.5	QPSK	1	LOW	22.71	28.17	5.46	13	-0.61	19.95	34.8	Pass
Band12	3	700.5	QPSK	1	MID	22.69	27.94	5.25	13	-0.61	19.93	34.8	Pass
Band12	3	700.5	QPSK	1	HIGH	22.81	28.22	5.41	13	-0.61	20.05	34.8	Pass
Band12	3	700.5	16QAM	15	LOW	21.24	28.39	7.15	13	-0.61	18.48	34.8	Pass
Band12	3	700.5	16QAM	8	LOW	21.39	28.5	7.11	13	-0.61	18.63	34.8	Pass
Band12	3	700.5	16QAM	8	MID	21.39	28.43	7.04	13	-0.61	18.63	34.8	Pass
Band12	3	700.5	16QAM	8	HIGH	20.93	28.1	7.17	13	-0.61	18.17	34.8	Pass
Band12	3	700.5	16QAM	1	LOW	22.48	29.11	6.63	13	-0.61	19.72	34.8	Pass
Band12	3	700.5	16QAM	1	MID	22.58	28.95	6.37	13	-0.61	19.82	34.8	Pass
Band12	3	700.5	16QAM	1	HIGH	22.01	28.24	6.23	13	-0.61	19.25	34.8	Pass
Band12	3	707.5	QPSK	15	LOW	22	27.9	5.9	13	-0.61	19.24	34.8	Pass
Band12	3	707.5	QPSK	8	LOW	22.02	28.67	6.65	13	-0.61	19.26	34.8	Pass
Band12	3	707.5	QPSK	8	MID	22.02	28.63	6.61	13	-0.61	19.26	34.8	Pass
Band12	3	707.5	QPSK	8	HIGH	22.05	28.61	6.56	13	-0.61	19.29	34.8	Pass
Band12	3	707.5	QPSK	1	LOW	23.05	28.65	5.6	13	-0.61	20.29	34.8	Pass
Band12	3	707.5	QPSK	1	MID	23.05	28.92	5.87	13	-0.61	20.29	34.8	Pass
Band12	3	707.5	QPSK	1	HIGH	23.22	29.07	5.85	13	-0.61	20.46	34.8	Pass
Band12	3	707.5	16QAM	15	LOW	21.34	28.4	7.06	13	-0.61	18.58	34.8	Pass
Band12	3	707.5	16QAM	8	LOW	21.09	28.13	7.04	13	-0.61	18.33	34.8	Pass
Band12	3	707.5	16QAM	8	MID	21.11	28.22	7.11	13	-0.61	18.35	34.8	Pass
Band12	3	707.5	16QAM	8	HIGH	21.02	27.78	6.76	13	-0.61	18.26	34.8	Pass
Band12	3	707.5	16QAM	1	LOW	22.67	27.9	5.23	13	-0.61	19.91	34.8	Pass
Band12	3	707.5	16QAM	1	MID	22.79	28.41	5.62	13	-0.61	20.03	34.8	Pass
Band12	3	707.5	16QAM	1	HIGH	22.66	27.98	5.32	13	-0.61	19.9	34.8	Pass
Band12	3	714.5	QPSK	15	LOW	21.59	28.63	7.04	13	-0.61	18.83	34.8	Pass
Band12	3	714.5	QPSK	8	LOW	21.4	28.06	6.66	13	-0.61	18.64	34.8	Pass
Band12	3	714.5	QPSK	8	MID	21.41	27.98	6.57	13	-0.61	18.65	34.8	Pass
Band12	3	714.5	QPSK	8	HIGH	21.61	28.09	6.48	13	-0.61	18.85	34.8	Pass
Band12	3	714.5	QPSK	1	LOW	22.59	28.08	5.49	13	-0.61	19.83	34.8	Pass
Band12	3	714.5	QPSK	1	MID	22.57	28.15	5.58	13	-0.61	19.81	34.8	Pass
Band12	3	714.5	QPSK	1	HIGH	22.64	27.86	5.22	13	-0.61	19.88	34.8	Pass
Band12	3	714.5	16QAM	15	LOW	20.62	28.06	7.44	13	-0.61	17.86	34.8	Pass
Band12	3	714.5	16QAM	8	LOW	20.67	27.49	6.82	13	-0.61	17.91	34.8	Pass
Band12	3	714.5	16QAM	8	MID	20.67	27.29	6.62	13	-0.61	17.91	34.8	Pass
Band12	3	714.5	16QAM	8	HIGH	21.04	27.67	6.63	13	-0.61	18.28	34.8	Pass
Band12	3	714.5	16QAM	1	LOW	21.21	26.77	5.56	13	-0.61	18.45	34.8	Pass
Band12	3	714.5	16QAM	1	MID	21.17	26.58	5.41	13	-0.61	18.41	34.8	Pass
Band12	3	714.5	16QAM	1	HIGH	21.5	26.95	5.45	13	-0.61	18.74	34.8	Pass
Band12	5	701.5	QPSK	25	LOW	21.67	28.12	6.45	13	-0.61	18.91	34.8	Pass
Band12	5	701.5	QPSK	12	LOW	22.11	28.43	6.32	13	-0.61	19.35	34.8	Pass

Band12	5	701.5	QPSK	12	MID	22.09	28.28	6.19	13	-0.61	19.33	34.8	Pass
Band12	5	701.5	QPSK	12	HIGH	21.68	28.18	6.5	13	-0.61	18.92	34.8	Pass
Band12	5	701.5	QPSK	1	LOW	22.7	29.07	6.37	13	-0.61	19.94	34.8	Pass
Band12	5	701.5	QPSK	1	MID	22.73	29.11	6.38	13	-0.61	19.97	34.8	Pass
Band12	5	701.5	QPSK	1	HIGH	22.67	29.21	6.54	13	-0.61	19.91	34.8	Pass
Band12	5	701.5	16QAM	25	LOW	20.89	28.4	7.51	13	-0.61	18.13	34.8	Pass
Band12	5	701.5	16QAM	12	LOW	20.99	28.78	7.79	13	-0.61	18.23	34.8	Pass
Band12	5	701.5	16QAM	12	MID	20.99	28.74	7.75	13	-0.61	18.23	34.8	Pass
Band12	5	701.5	16QAM	12	HIGH	20.53	28.56	8.03	13	-0.61	17.77	34.8	Pass
Band12	5	701.5	16QAM	1	LOW	21.4	27.5	6.1	13	-0.61	18.64	34.8	Pass
Band12	5	701.5	16QAM	1	MID	20.8	26.95	6.15	13	-0.61	18.04	34.8	Pass
Band12	5	701.5	16QAM	1	HIGH	20.79	26.96	6.17	13	-0.61	18.03	34.8	Pass
Band12	5	707.5	QPSK	25	LOW	21.99	28.81	6.82	13	-0.61	19.23	34.8	Pass
Band12	5	707.5	QPSK	12	LOW	22.02	29.09	7.07	13	-0.61	19.26	34.8	Pass
Band12	5	707.5	QPSK	12	MID	22.02	28.95	6.93	13	-0.61	19.26	34.8	Pass
Band12	5	707.5	QPSK	12	HIGH	22.02	29.26	7.24	13	-0.61	19.26	34.8	Pass
Band12	5	707.5	QPSK	1	LOW	22.99	28.94	5.95	13	-0.61	20.23	34.8	Pass
Band12	5	707.5	QPSK	1	MID	23.07	28.88	5.81	13	-0.61	20.31	34.8	Pass
Band12	5	707.5	QPSK	1	HIGH	22.74	28.58	5.84	13	-0.61	19.98	34.8	Pass
Band12	5	707.5	16QAM	25	LOW	21.06	29.35	8.29	13	-0.61	18.3	34.8	Pass
Band12	5	707.5	16QAM	12	LOW	21.02	28.33	7.31	13	-0.61	18.26	34.8	Pass
Band12	5	707.5	16QAM	12	MID	21.03	28.36	7.33	13	-0.61	18.27	34.8	Pass
Band12	5	707.5	16QAM	12	HIGH	21.22	28.45	7.23	13	-0.61	18.46	34.8	Pass
Band12	5	707.5	16QAM	1	LOW	22.03	28.34	6.31	13	-0.61	19.27	34.8	Pass
Band12	5	707.5	16QAM	1	MID	21.98	28.31	6.33	13	-0.61	19.22	34.8	Pass
Band12	5	707.5	16QAM	1	HIGH	22.09	28.4	6.31	13	-0.61	19.33	34.8	Pass
Band12	5	713.5	QPSK	25	LOW	21.47	28.1	6.63	13	-0.61	18.71	34.8	Pass
Band12	5	713.5	QPSK	12	LOW	21.57	28.01	6.44	13	-0.61	18.81	34.8	Pass
Band12	5	713.5	QPSK	12	MID	21.85	28.29	6.44	13	-0.61	19.09	34.8	Pass
Band12	5	713.5	QPSK	12	HIGH	21.41	27.78	6.37	13	-0.61	18.65	34.8	Pass
Band12	5	713.5	QPSK	1	LOW	22.55	28.65	6.1	13	-0.61	19.79	34.8	Pass
Band12	5	713.5	QPSK	1	MID	22.56	28.57	6.01	13	-0.61	19.8	34.8	Pass
Band12	5	713.5	QPSK	1	HIGH	22.61	28.4	5.79	13	-0.61	19.85	34.8	Pass
Band12	5	713.5	16QAM	25	LOW	20.42	28.82	8.4	13	-0.61	17.66	34.8	Pass
Band12	5	713.5	16QAM	12	LOW	20.83	27.98	7.15	13	-0.61	18.07	34.8	Pass
Band12	5	713.5	16QAM	12	MID	20.81	27.93	7.12	13	-0.61	18.05	34.8	Pass
Band12	5	713.5	16QAM	12	HIGH	20.48	27.67	7.19	13	-0.61	17.72	34.8	Pass
Band12	5	713.5	16QAM	1	LOW	21.17	28.23	7.06	13	-0.61	18.41	34.8	Pass
Band12	5	713.5	16QAM	1	MID	21.2	28.19	6.99	13	-0.61	18.44	34.8	Pass
Band12	5	713.5	16QAM	1	HIGH	21.29	28.13	6.84	13	-0.61	18.53	34.8	Pass
Band12	10	704	QPSK	50	LOW	21.61	28.22	6.61	13	-0.61	18.85	34.8	Pass
Band12	10	704	QPSK	25	LOW	21.76	28.58	6.82	13	-0.61	19	34.8	Pass
Band12	10	704	QPSK	25	MID	21.76	28.6	6.84	13	-0.61	19	34.8	Pass
Band12	10	704	QPSK	25	HIGH	22.11	28.95	6.84	13	-0.61	19.35	34.8	Pass
Band12	10	704	QPSK	1	LOW	22.59	28.07	5.48	13	-0.61	19.83	34.8	Pass
Band12	10	704	QPSK	1	MID	22.59	28.09	5.5	13	-0.61	19.83	34.8	Pass

Band12	10	704	QPSK	1	HIGH	22.99	28.5	5.51	13	-0.61	20.23	34.8	Pass
Band12	10	704	16QAM	50	LOW	20.79	29.13	8.34	13	-0.61	18.03	34.8	Pass
Band12	10	704	16QAM	25	LOW	20.62	28.41	7.79	13	-0.61	17.86	34.8	Pass
Band12	10	704	16QAM	25	MID	20.63	28.41	7.78	13	-0.61	17.87	34.8	Pass
Band12	10	704	16QAM	25	HIGH	20.93	28.71	7.78	13	-0.61	18.17	34.8	Pass
Band12	10	704	16QAM	1	LOW	22.21	28.93	6.72	13	-0.61	19.45	34.8	Pass
Band12	10	704	16QAM	1	MID	21.78	28.68	6.9	13	-0.61	19.02	34.8	Pass
Band12	10	704	16QAM	1	HIGH	22.03	28.95	6.92	13	-0.61	19.27	34.8	Pass
Band12	10	707.5	QPSK	50	LOW	21.94	28.66	6.72	13	-0.61	19.18	34.8	Pass
Band12	10	707.5	QPSK	25	LOW	22	28.79	6.79	13	-0.61	19.24	34.8	Pass
Band12	10	707.5	QPSK	25	MID	22	28.85	6.85	13	-0.61	19.24	34.8	Pass
Band12	10	707.5	QPSK	25	HIGH	21.97	28.93	6.96	13	-0.61	19.21	34.8	Pass
Band12	10	707.5	QPSK	1	LOW	22.77	28.65	5.88	13	-0.61	20.01	34.8	Pass
Band12	10	707.5	QPSK	1	MID	22.99	28.86	5.87	13	-0.61	20.23	34.8	Pass
Band12	10	707.5	QPSK	1	HIGH	22.55	28.51	5.96	13	-0.61	19.79	34.8	Pass
Band12	10	707.5	16QAM	50	LOW	21.13	28.92	7.79	13	-0.61	18.37	34.8	Pass
Band12	10	707.5	16QAM	25	LOW	21.09	29.1	8.01	13	-0.61	18.33	34.8	Pass
Band12	10	707.5	16QAM	25	MID	21.1	29.15	8.05	13	-0.61	18.34	34.8	Pass
Band12	10	707.5	16QAM	25	HIGH	21	29.1	8.1	13	-0.61	18.24	34.8	Pass
Band12	10	707.5	16QAM	1	LOW	21.81	27.69	5.88	13	-0.61	19.05	34.8	Pass
Band12	10	707.5	16QAM	1	MID	22.29	27.51	5.22	13	-0.61	19.53	34.8	Pass
Band12	10	707.5	16QAM	1	HIGH	21.96	27.9	5.94	13	-0.61	19.2	34.8	Pass
Band12	10	711	QPSK	50	LOW	21.89	28.57	6.68	13	-0.61	19.13	34.8	Pass
Band12	10	711	QPSK	25	LOW	22.04	29.43	7.39	13	-0.61	19.28	34.8	Pass
Band12	10	711	QPSK	25	MID	22.04	29.12	7.08	13	-0.61	19.28	34.8	Pass
Band12	10	711	QPSK	25	HIGH	21.62	28.96	7.34	13	-0.61	18.86	34.8	Pass
Band12	10	711	QPSK	1	LOW	23.44	28.96	5.52	13	-0.61	20.68	34.8	Pass
Band12	10	711	QPSK	1	MID	22.78	28.53	5.75	13	-0.61	20.02	34.8	Pass
Band12	10	711	QPSK	1	HIGH	22.82	28.33	5.51	13	-0.61	20.06	34.8	Pass
Band12	10	711	16QAM	50	LOW	20.94	29.05	8.11	13	-0.61	18.18	34.8	Pass
Band12	10	711	16QAM	25	LOW	21.07	29	7.93	13	-0.61	18.31	34.8	Pass
Band12	10	711	16QAM	25	MID	21.08	28.99	7.91	13	-0.61	18.32	34.8	Pass
Band12	10	711	16QAM	25	HIGH	20.62	28.34	7.72	13	-0.61	17.86	34.8	Pass
Band12	10	711	16QAM	1	LOW	21.93	27.4	5.47	13	-0.61	19.17	34.8	Pass
Band12	10	711	16QAM	1	MID	21.73	27.31	5.58	13	-0.61	18.97	34.8	Pass
Band12	10	711	16QAM	1	HIGH	21.45	26.97	5.52	13	-0.61	18.69	34.8	Pass