

RF Test Data for LTE (Conducted Measurement)

Product Name: smart phone

Trade Mark: YEZZ

Test Model: MAX 3

FCC ID: 2APW4MAX3

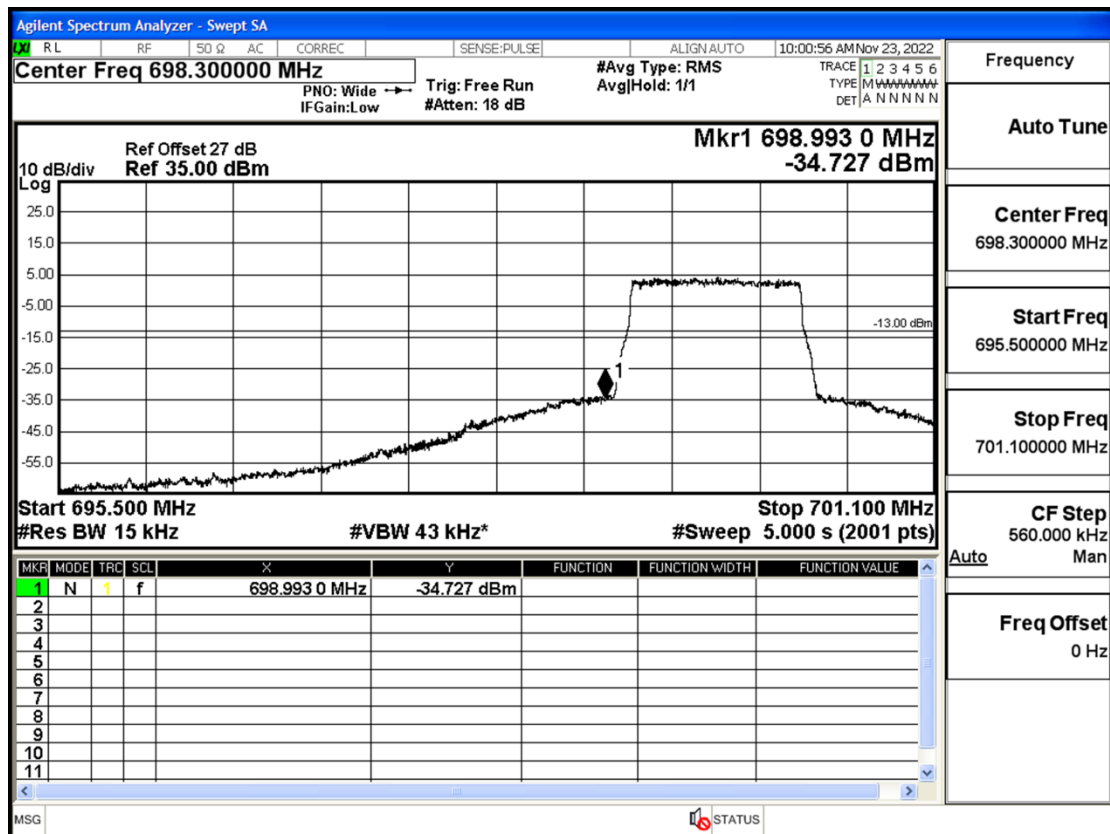
Environmental Conditions

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

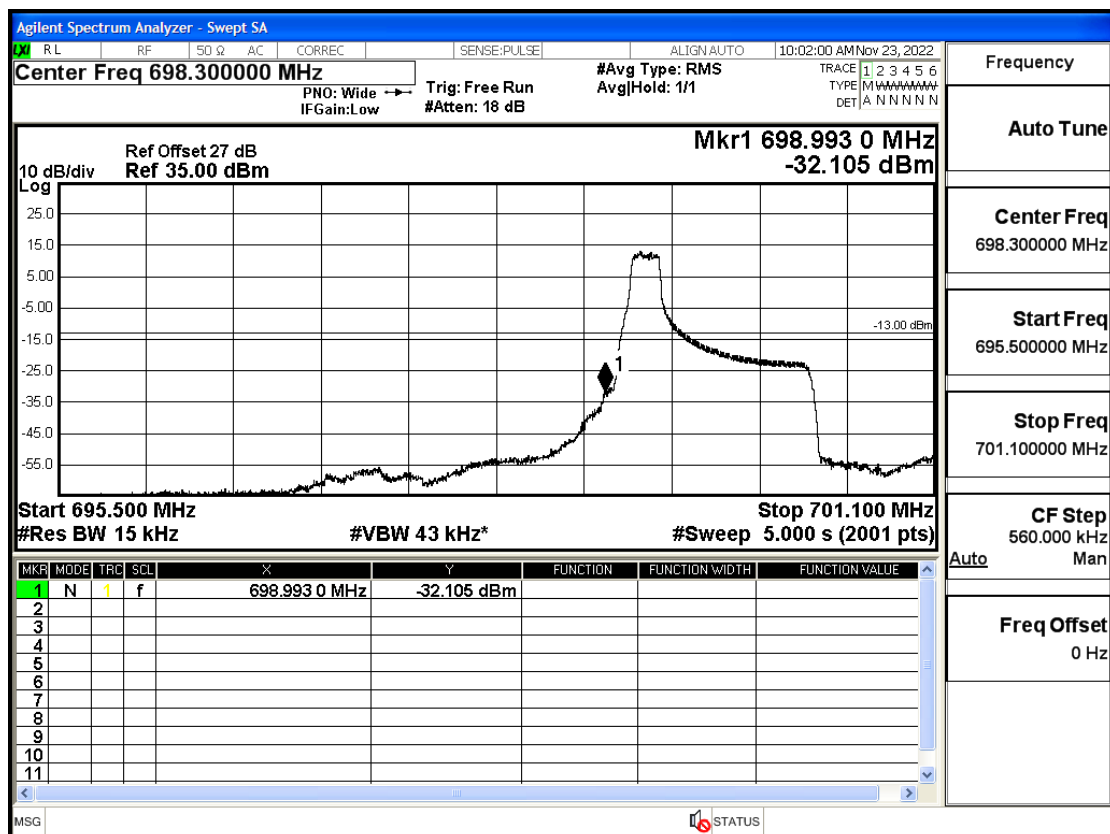
Band Edge and Emission Mask

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

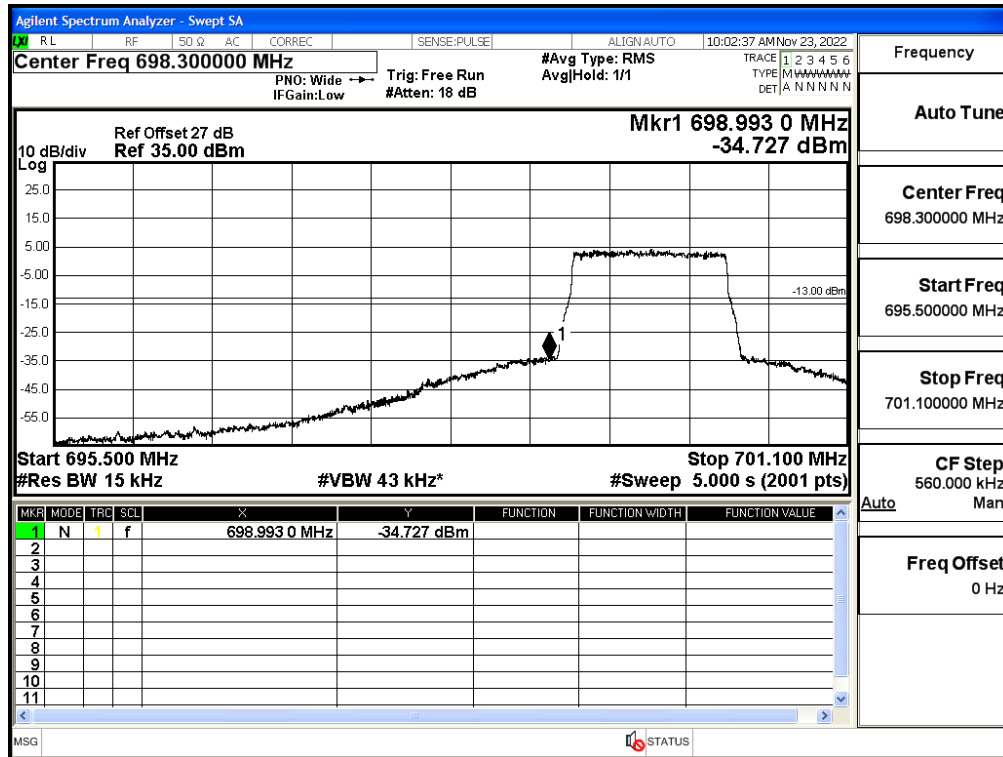
Band12-1.4-699.7-QPSK-6#LOW@Pass



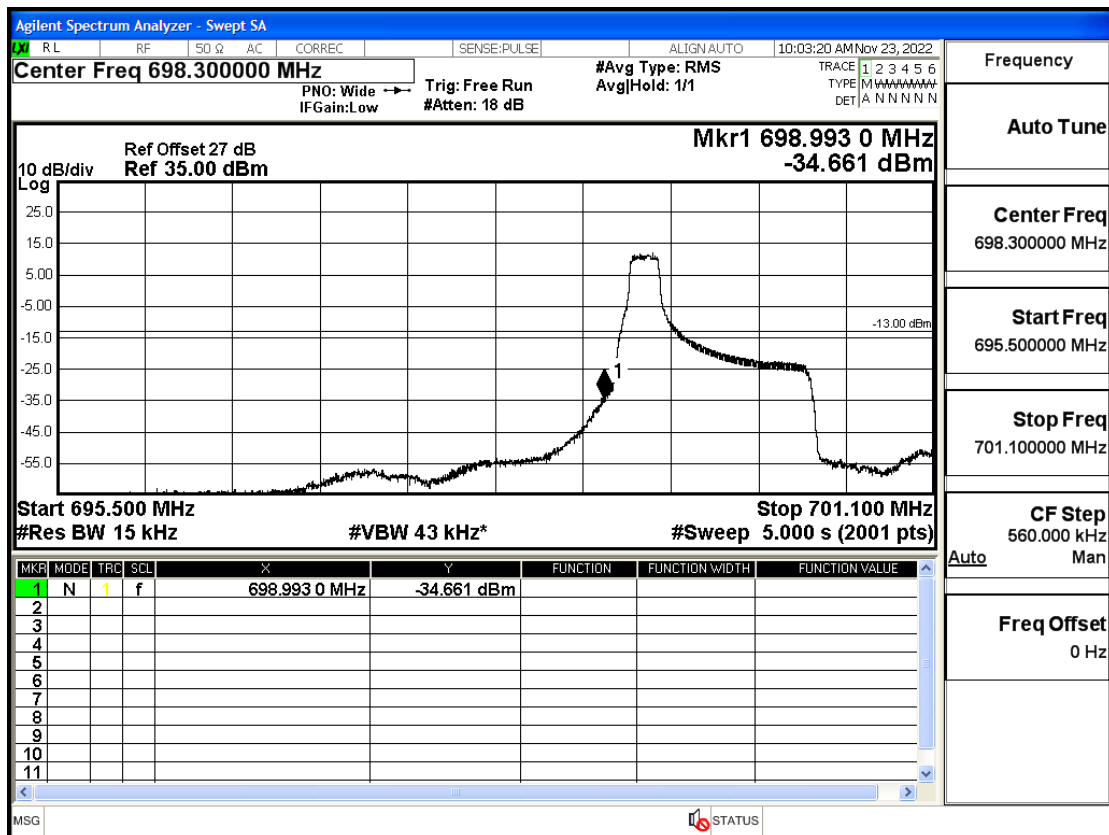
Band12-1.4-699.7-QPSK-1#LOW@Pass



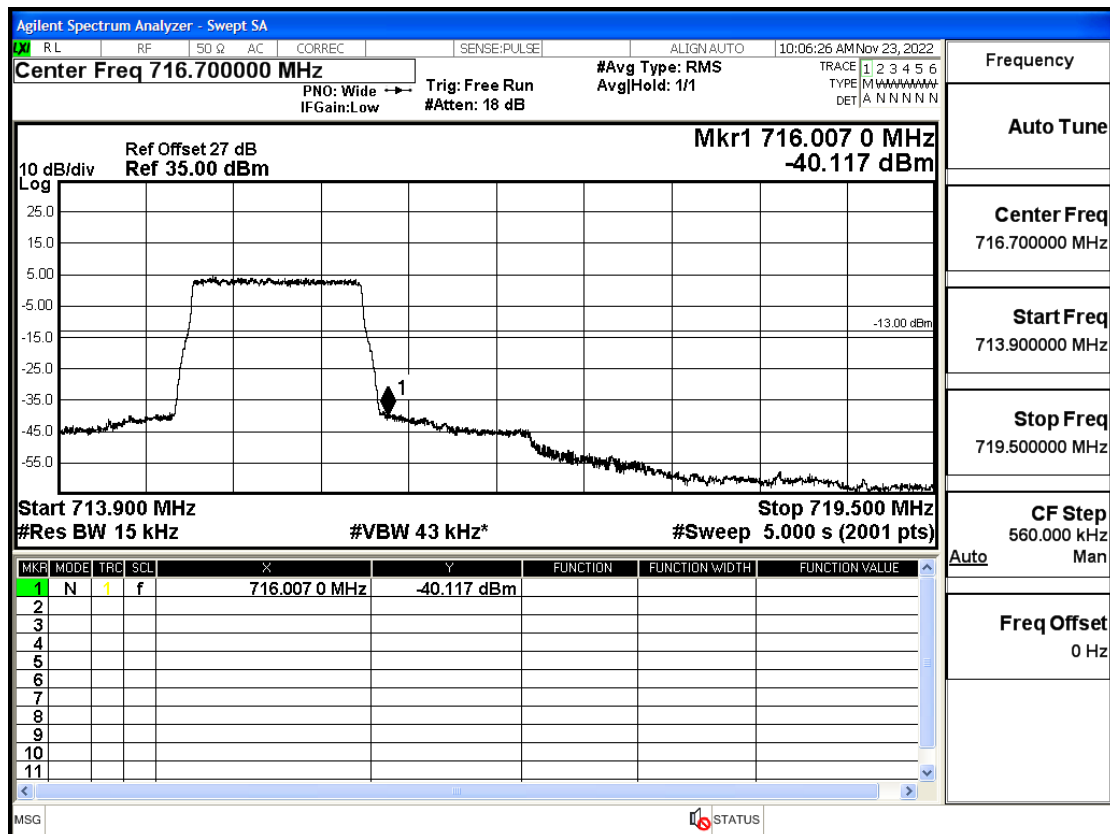
Band12-1.4-699.7-16QAM-6#LOW@Pass



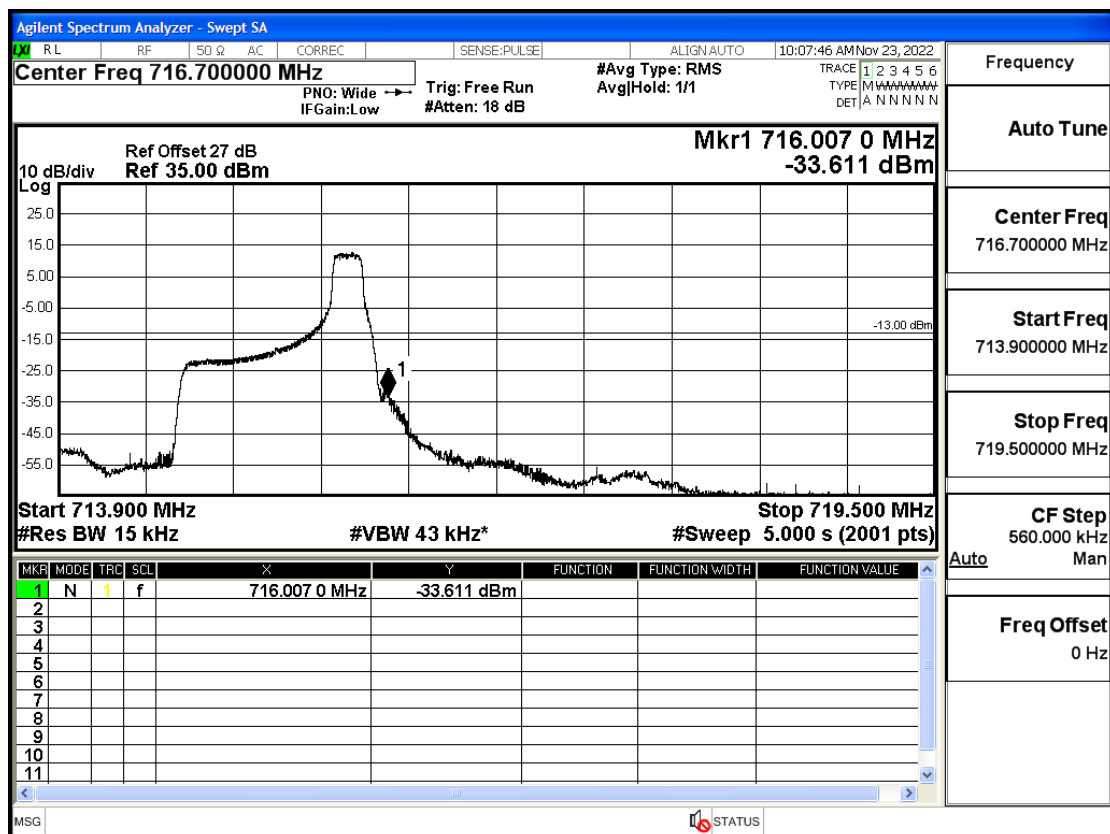
Band12-1.4-699.7-16QAM-1#LOW@Pass



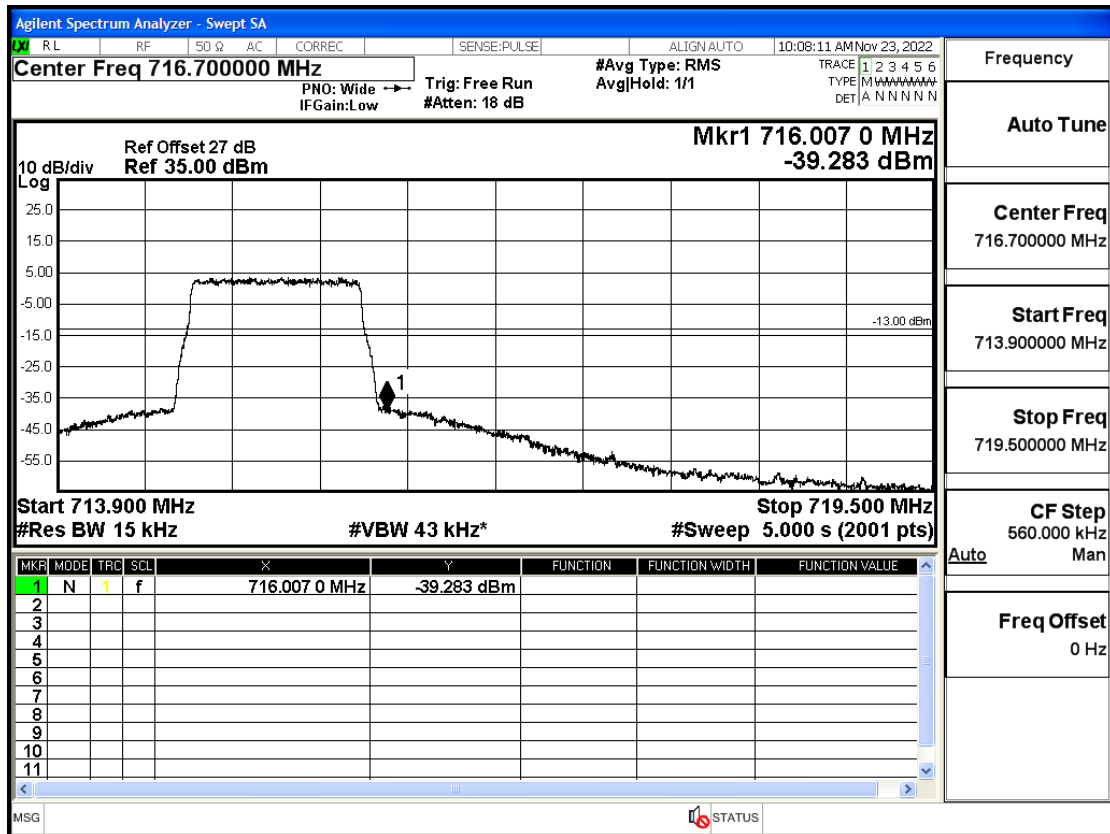
Band12-1.4-715.3-QPSK-6#LOW@Pass



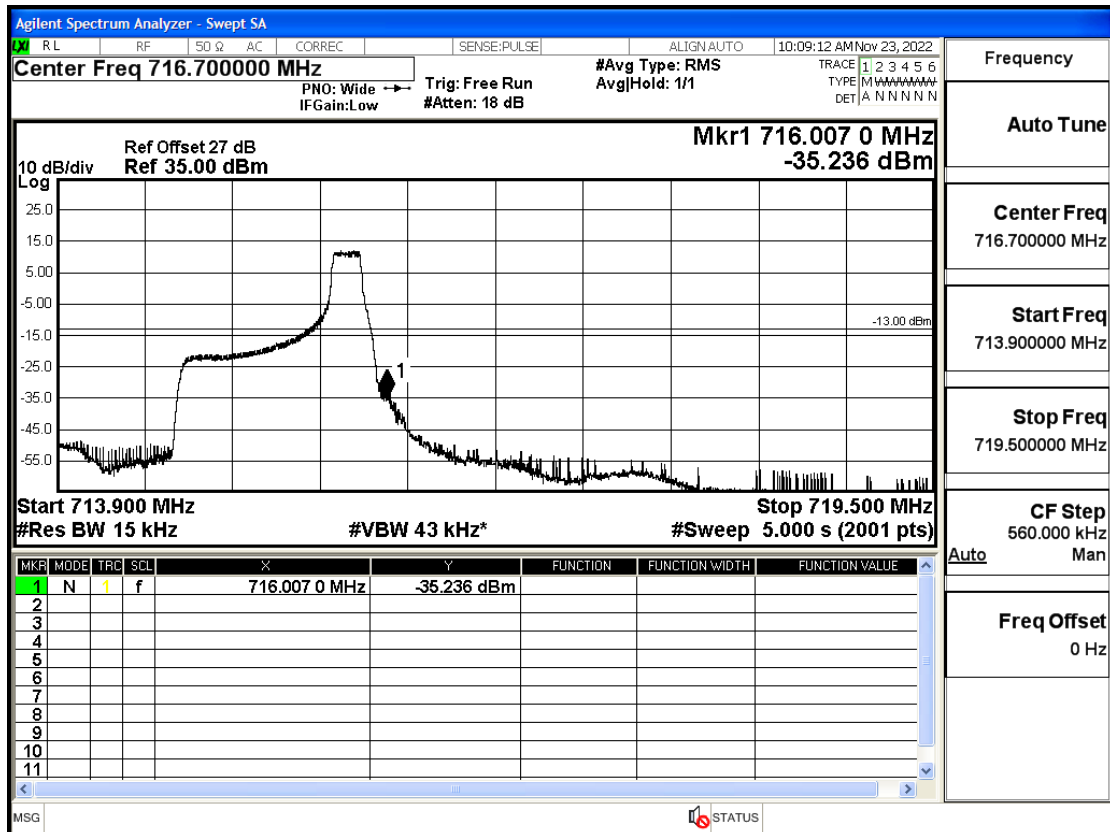
Band12-1.4-715.3-QPSK-1#HIGH@Pass



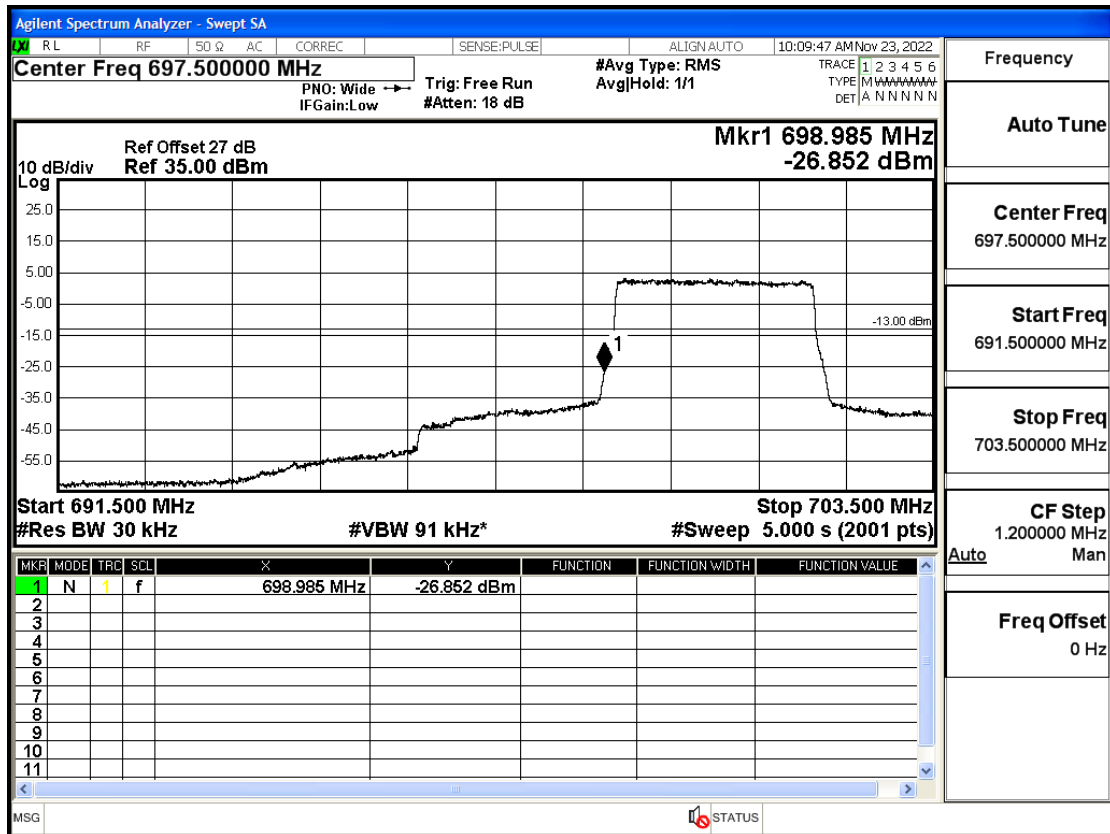
Band12-1.4-715.3-16QAM-6#LOW@Pass



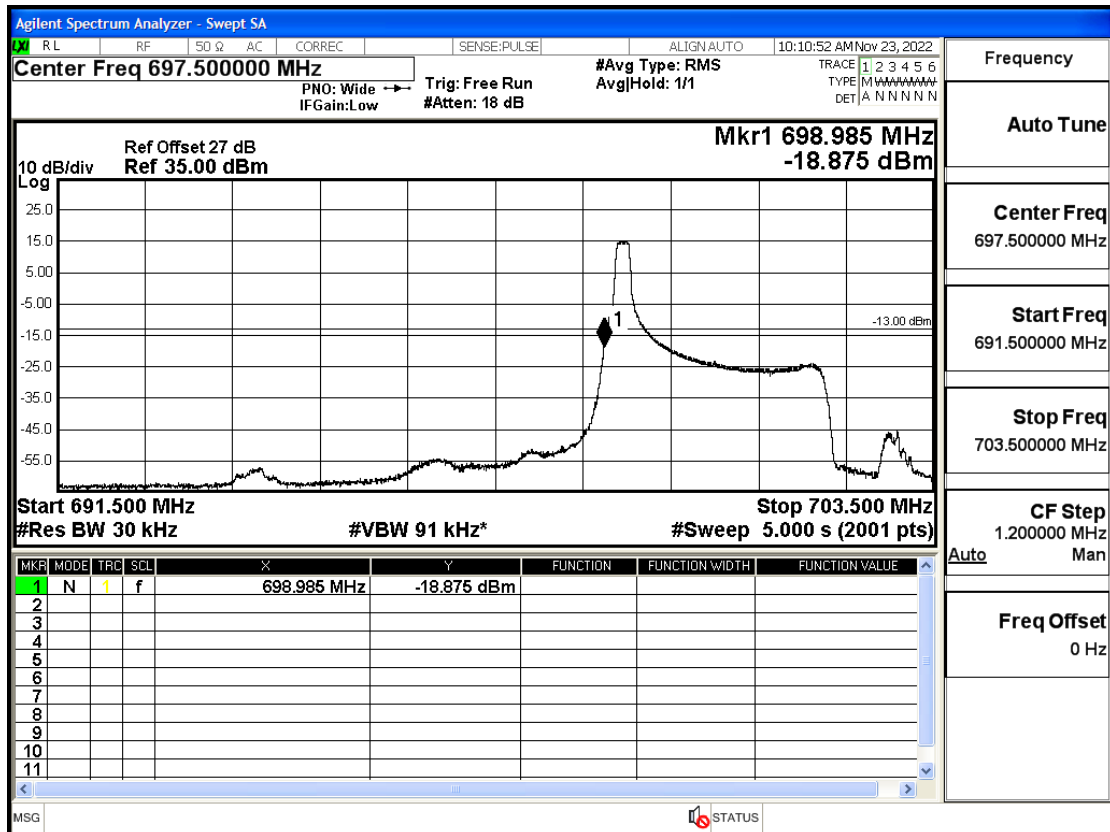
Band12-1.4-715.3-16QAM-1#HIGH@Pass



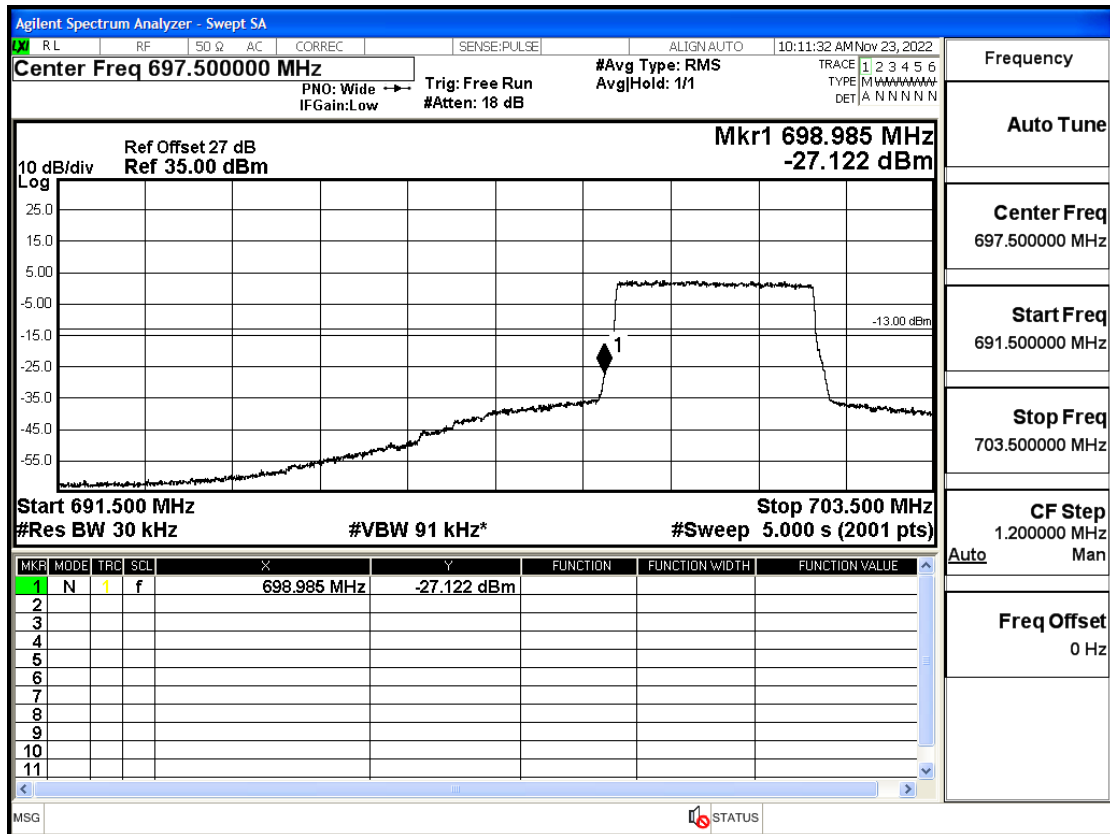
Band12-3-700.5-QPSK-15#LOW@Pass



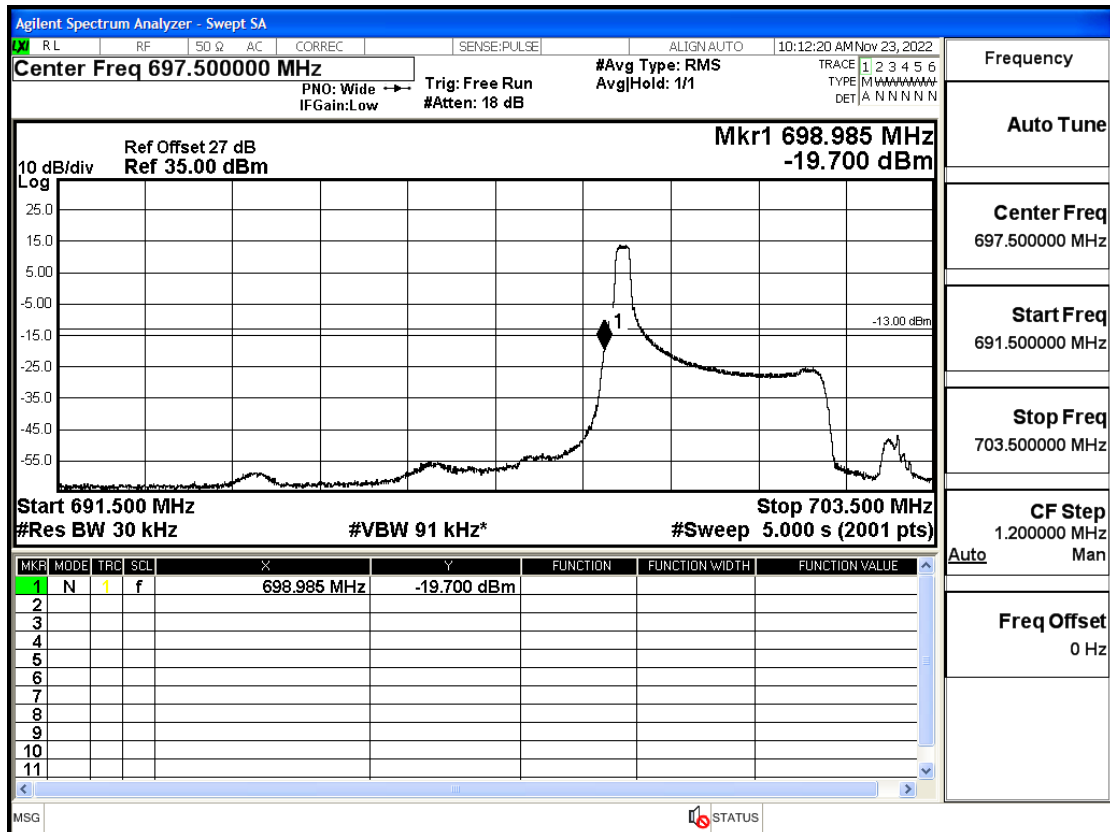
Band12-3-700.5-QPSK-1#LOW@Pass



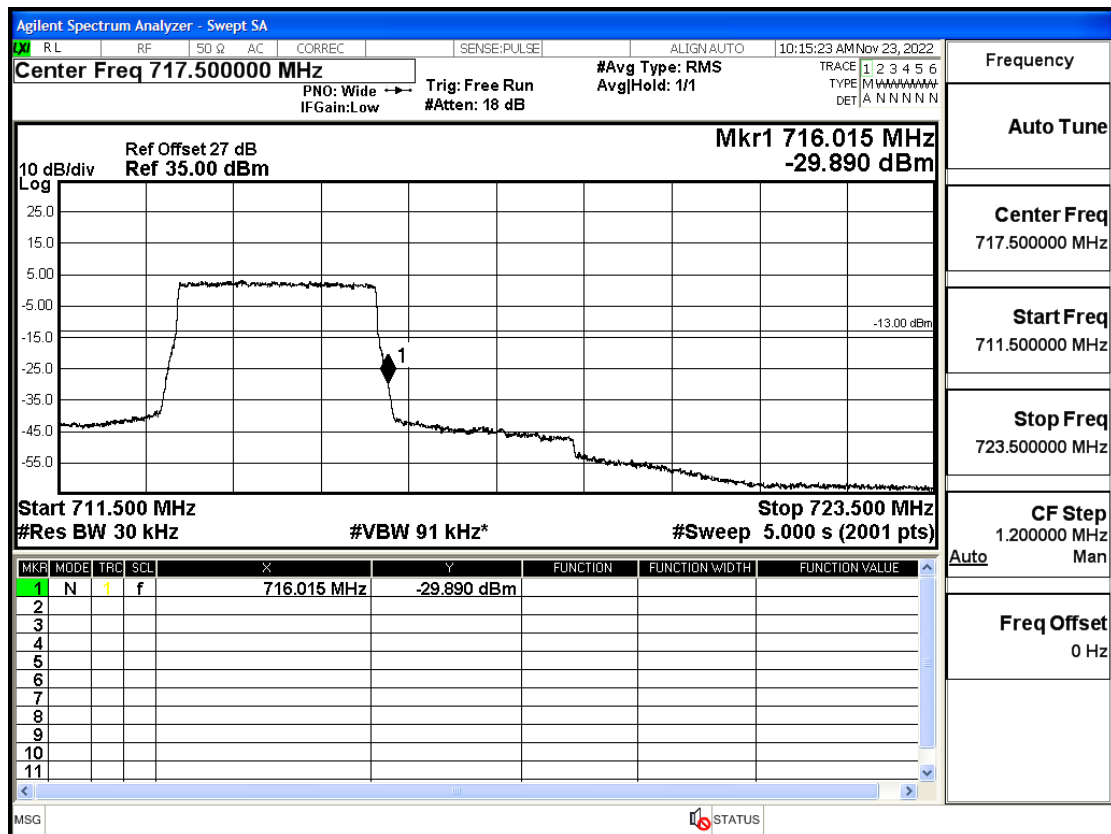
Band12-3-700.5-16QAM-15#LOW@Pass



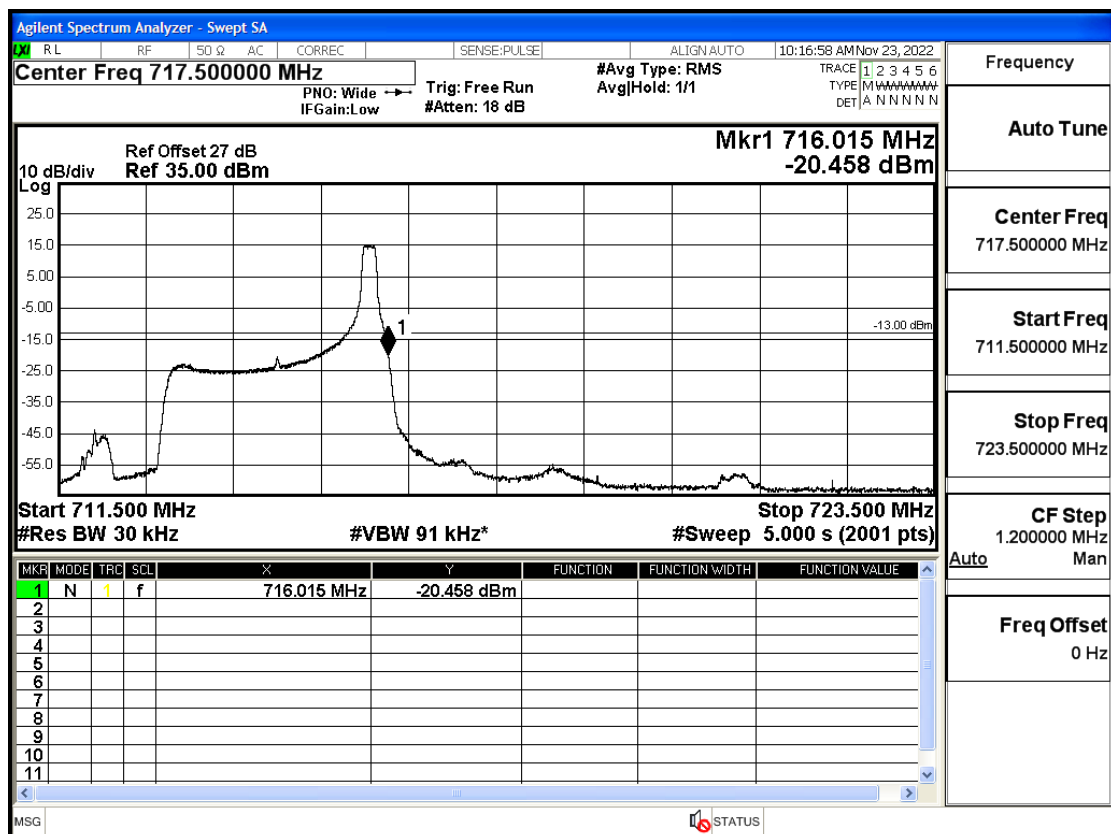
Band12-3-700.5-16QAM-1#LOW@Pass



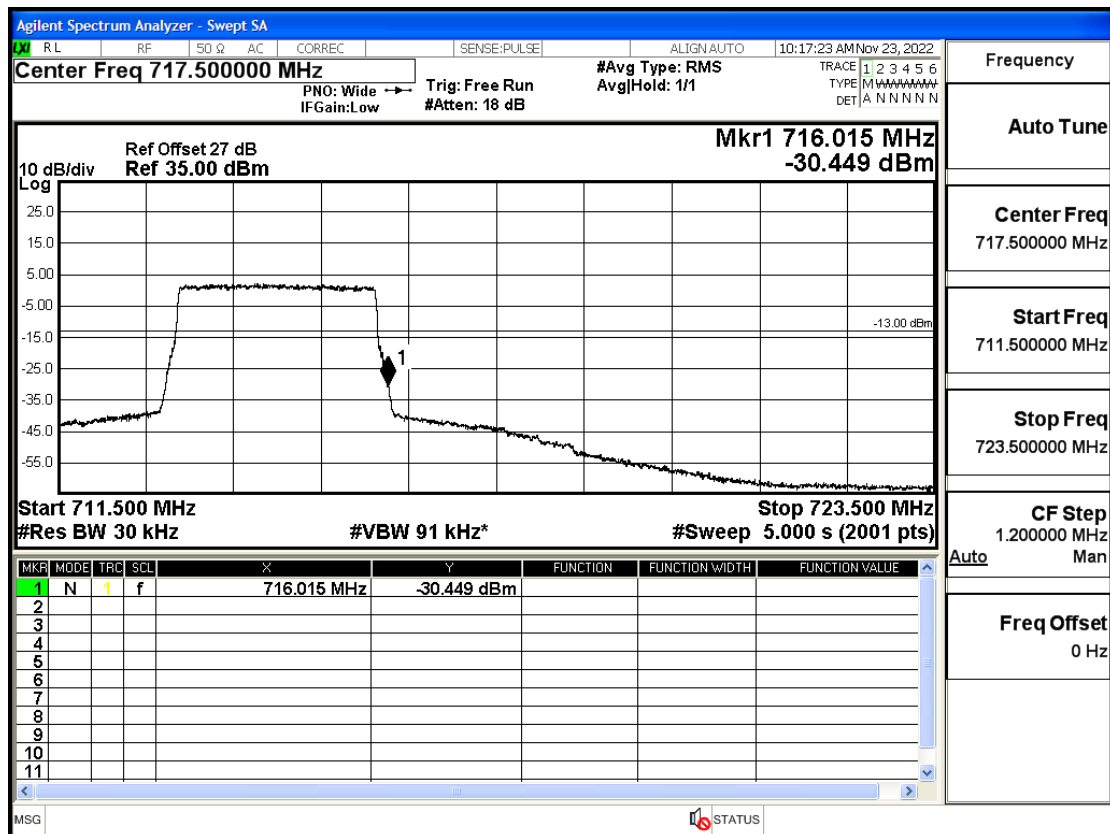
Band12-3-714.5-QPSK-15#LOW@Pass



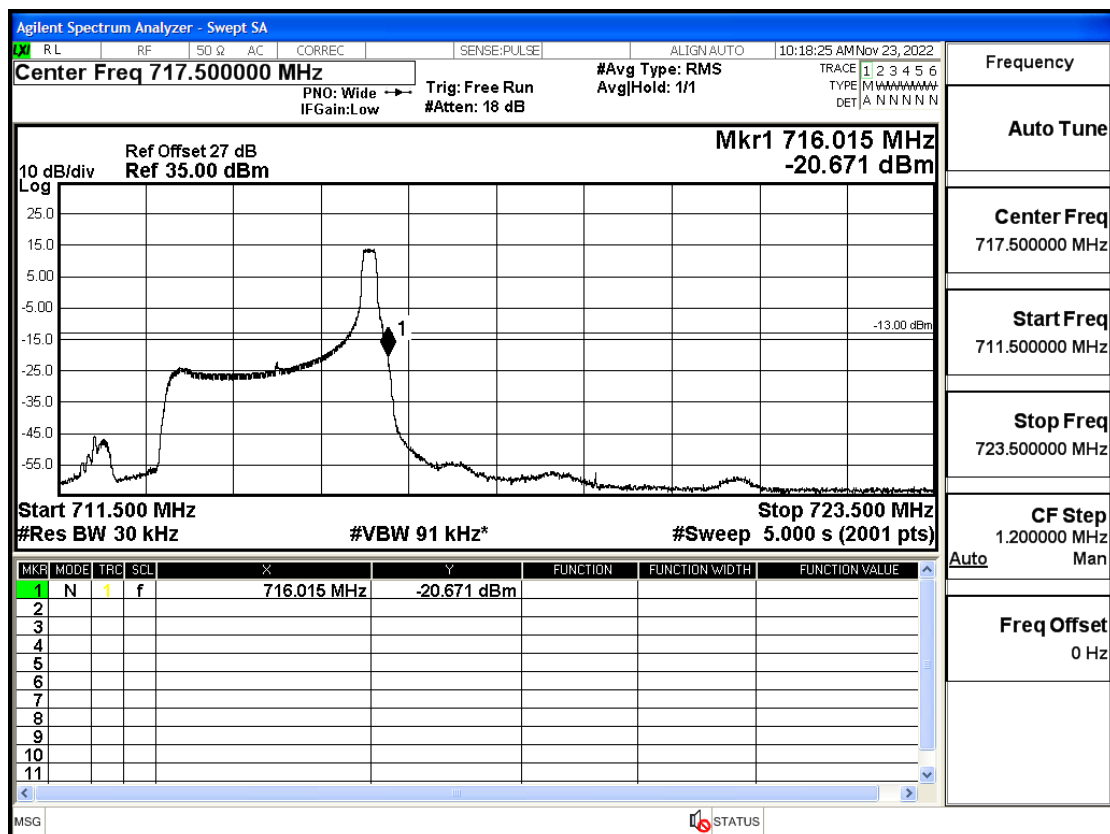
Band12-3-714.5-QPSK-1#HIGH@Pass



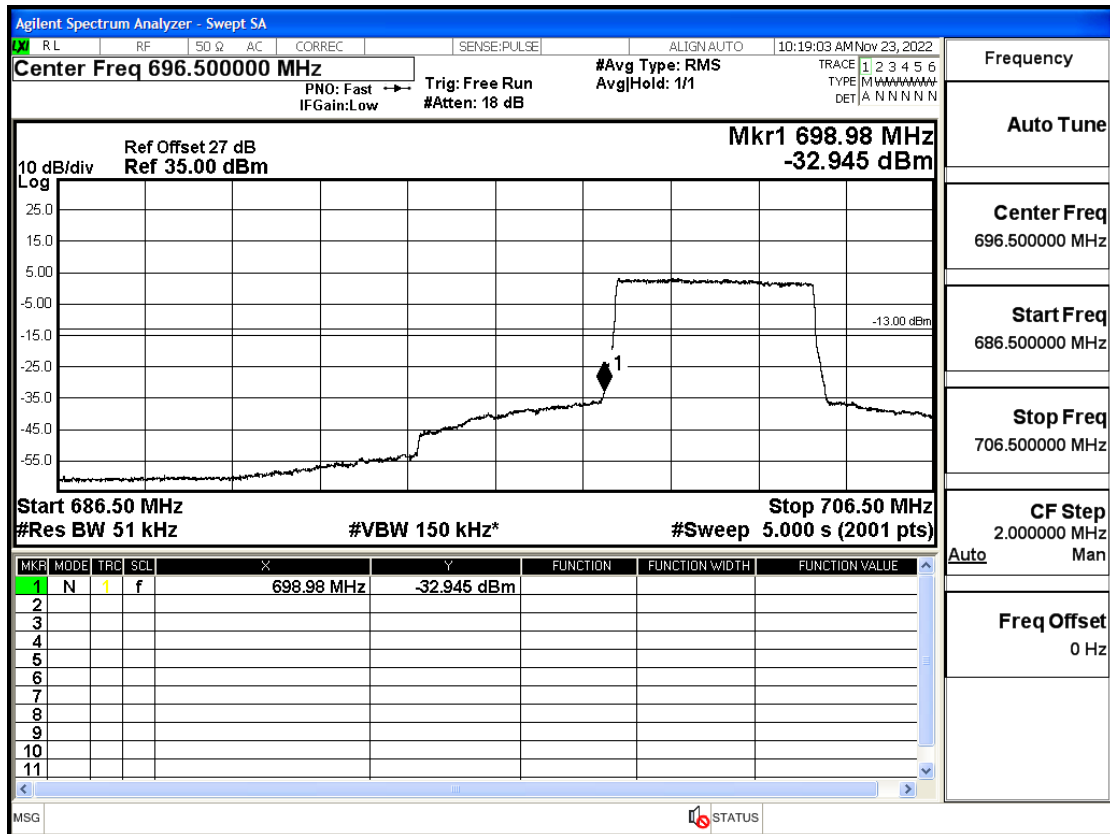
Band12-3-714.5-16QAM-15#LOW@Pass



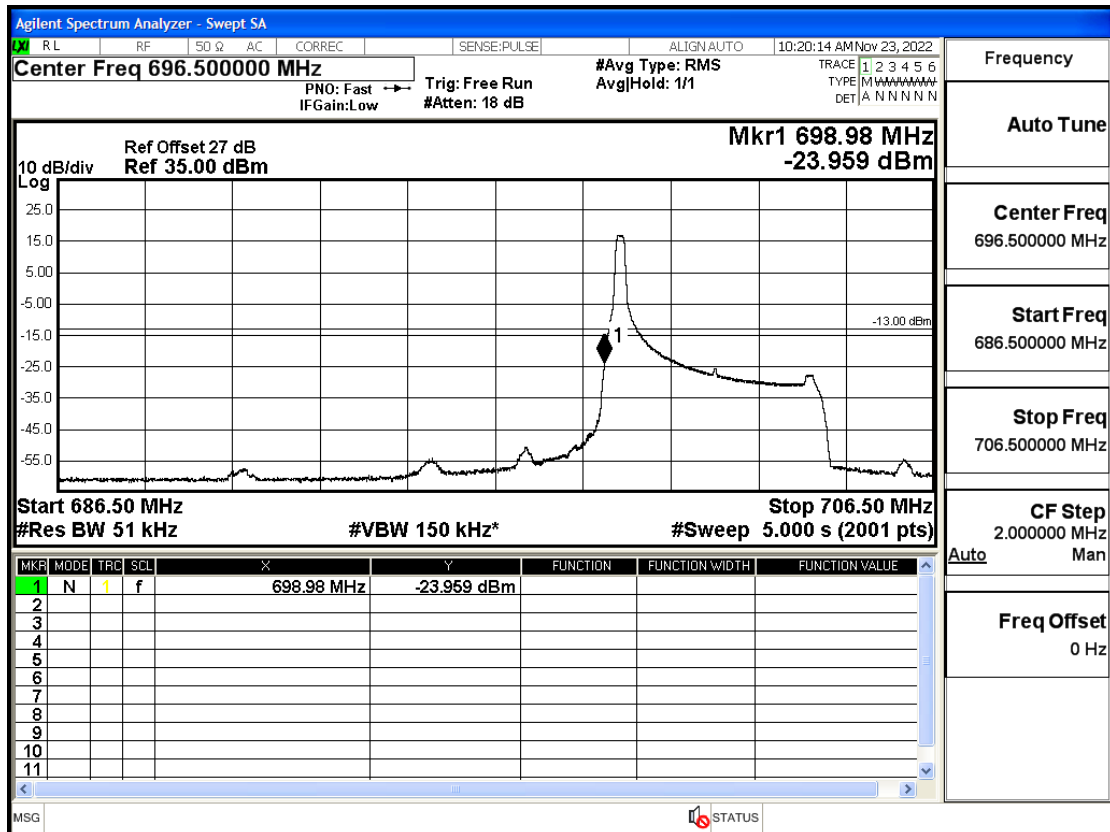
Band12-3-714.5-16QAM-1#HIGH@Pass



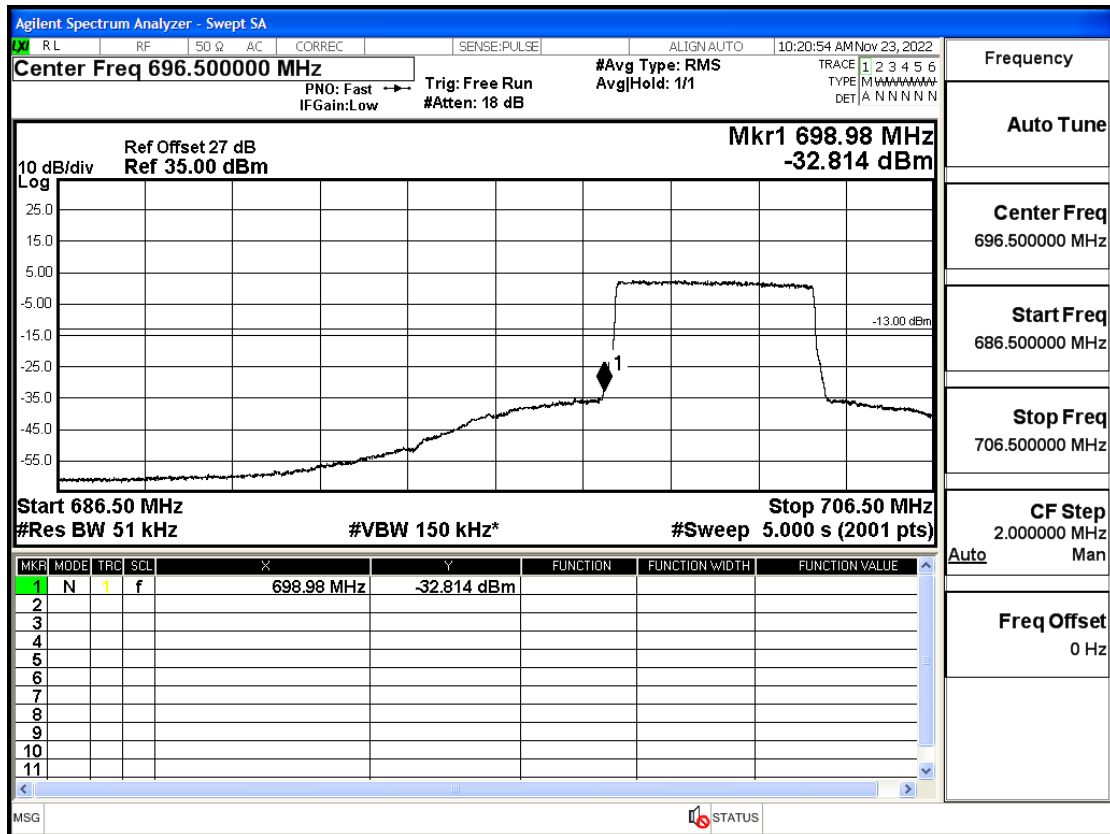
Band12-5-701.5-QPSK-25#LOW@Pass



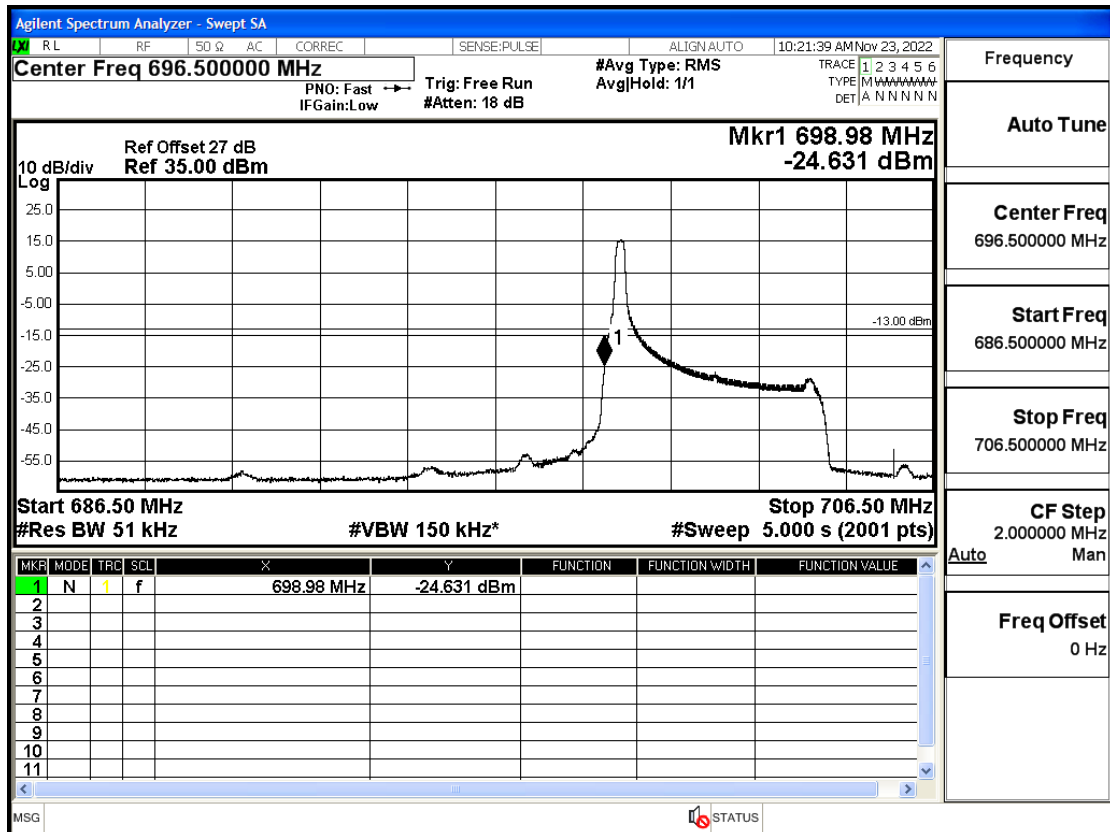
Band12-5-701.5-QPSK-1#LOW@Pass



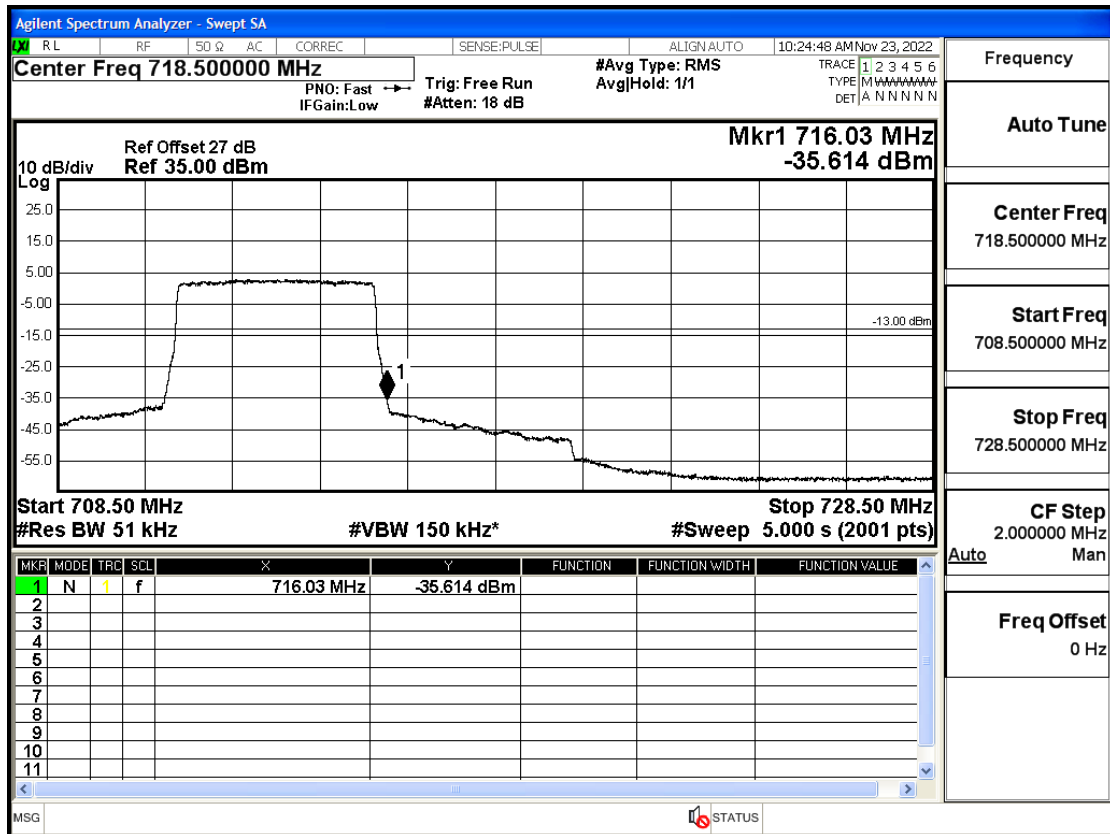
Band12-5-701.5-16QAM-25#LOW@Pass



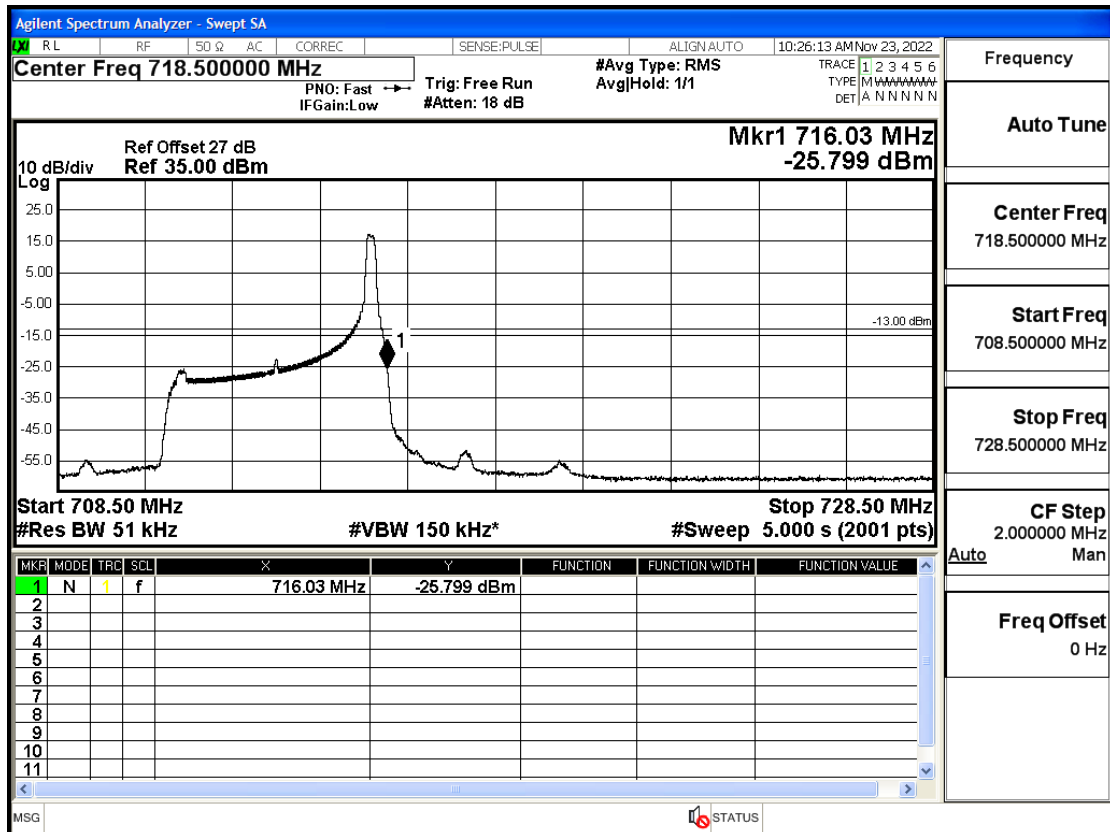
Band12-5-701.5-16QAM-1#LOW@Pass



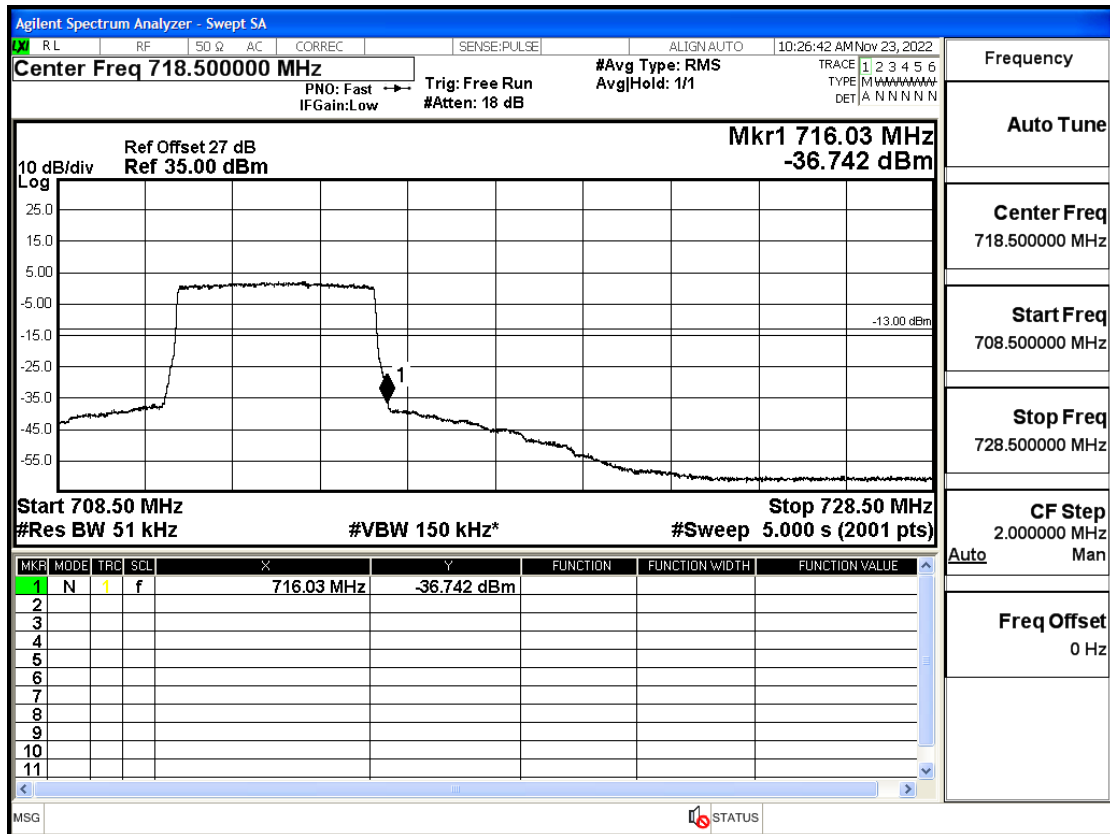
Band12-5-713.5-QPSK-25#LOW@Pass



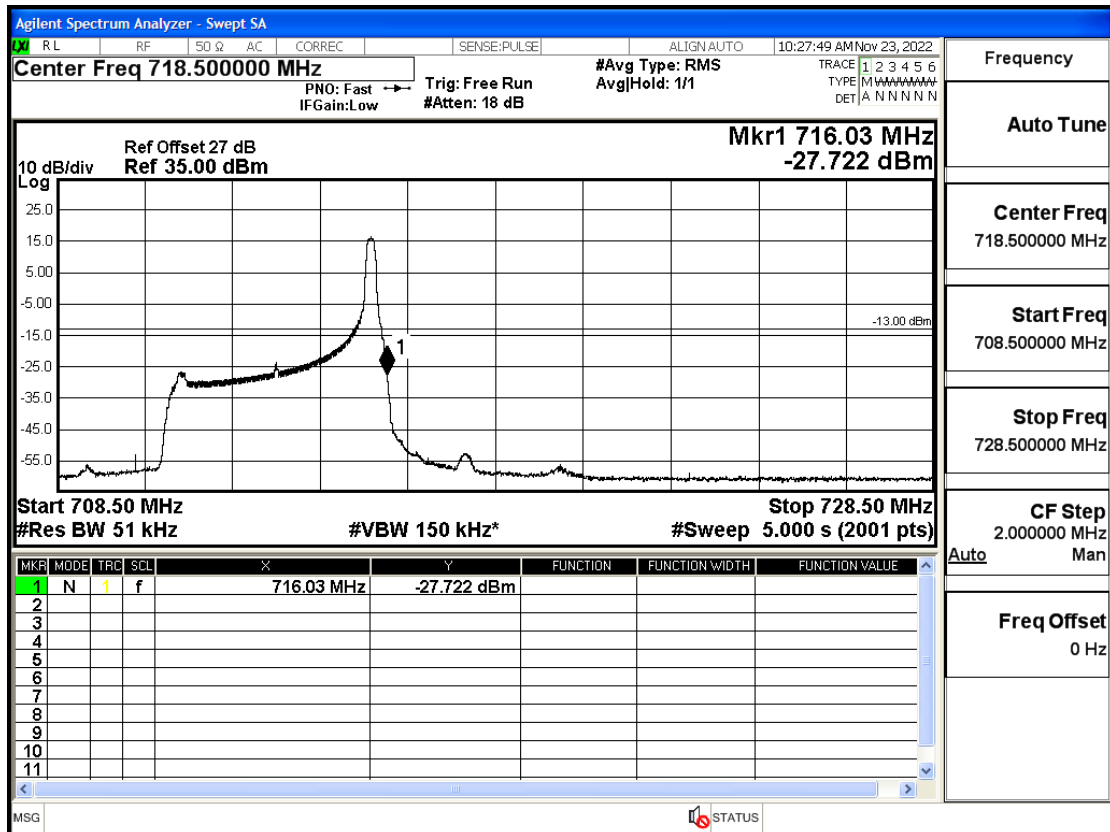
Band12-5-713.5-QPSK-1#HIGH@Pass



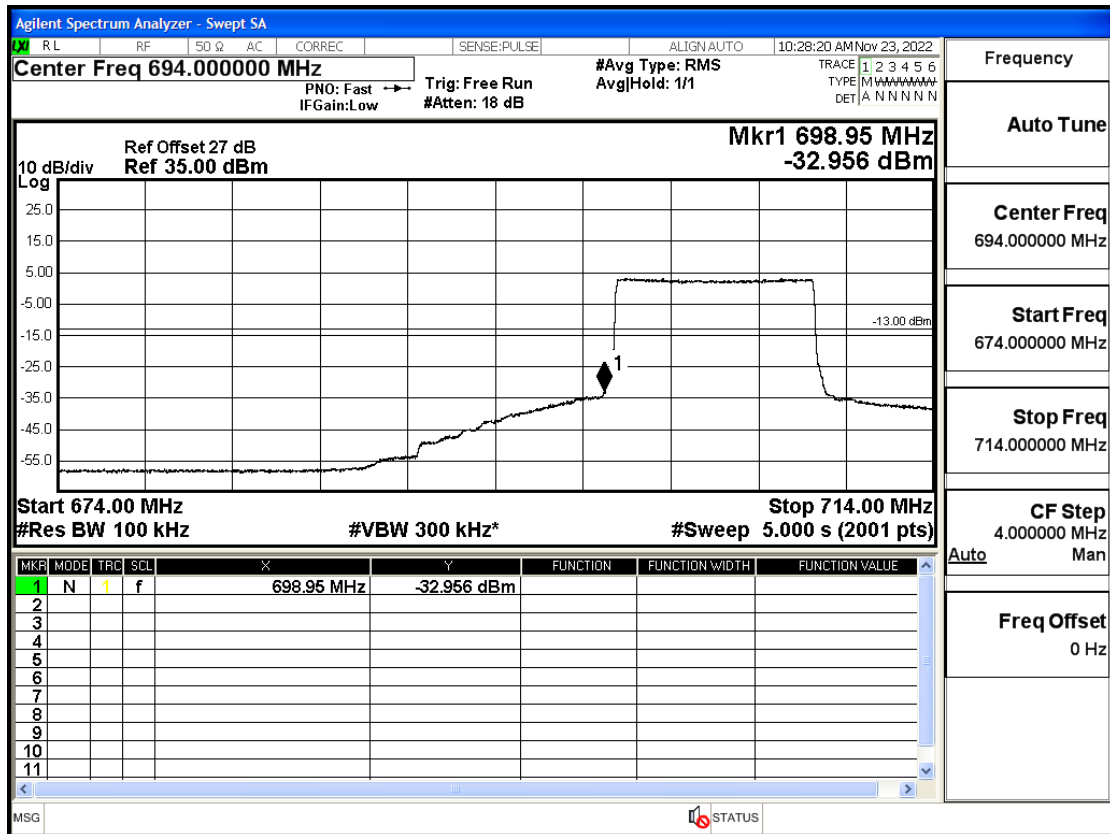
Band12-5-713.5-16QAM-25#LOW@Pass



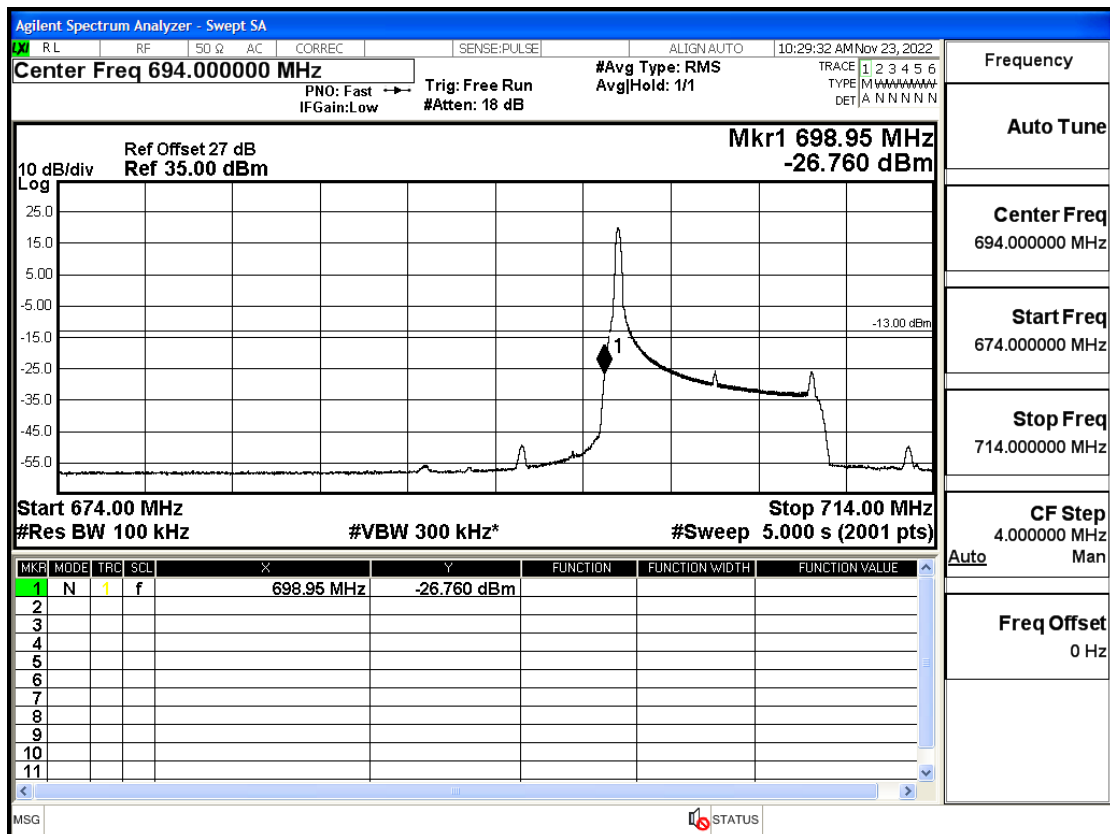
Band12-5-713.5-16QAM-1#HIGH@Pass



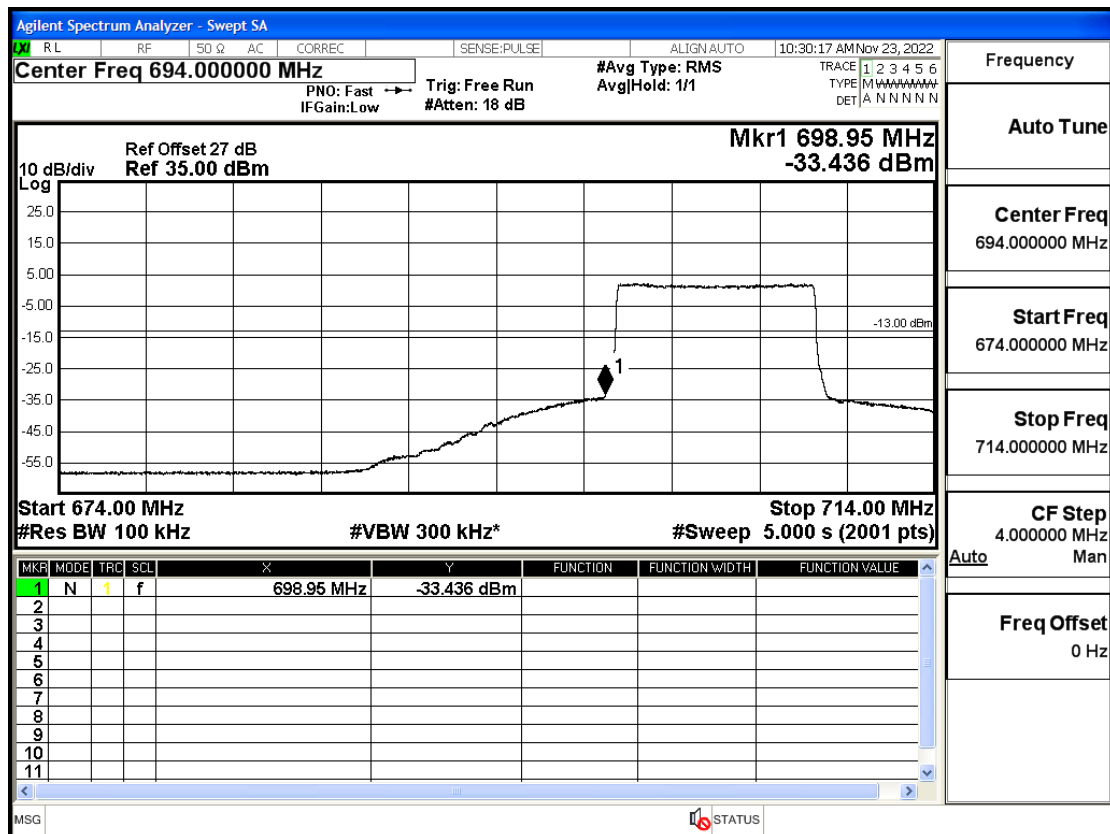
Band12-10-704-QPSK-50#LOW@Pass



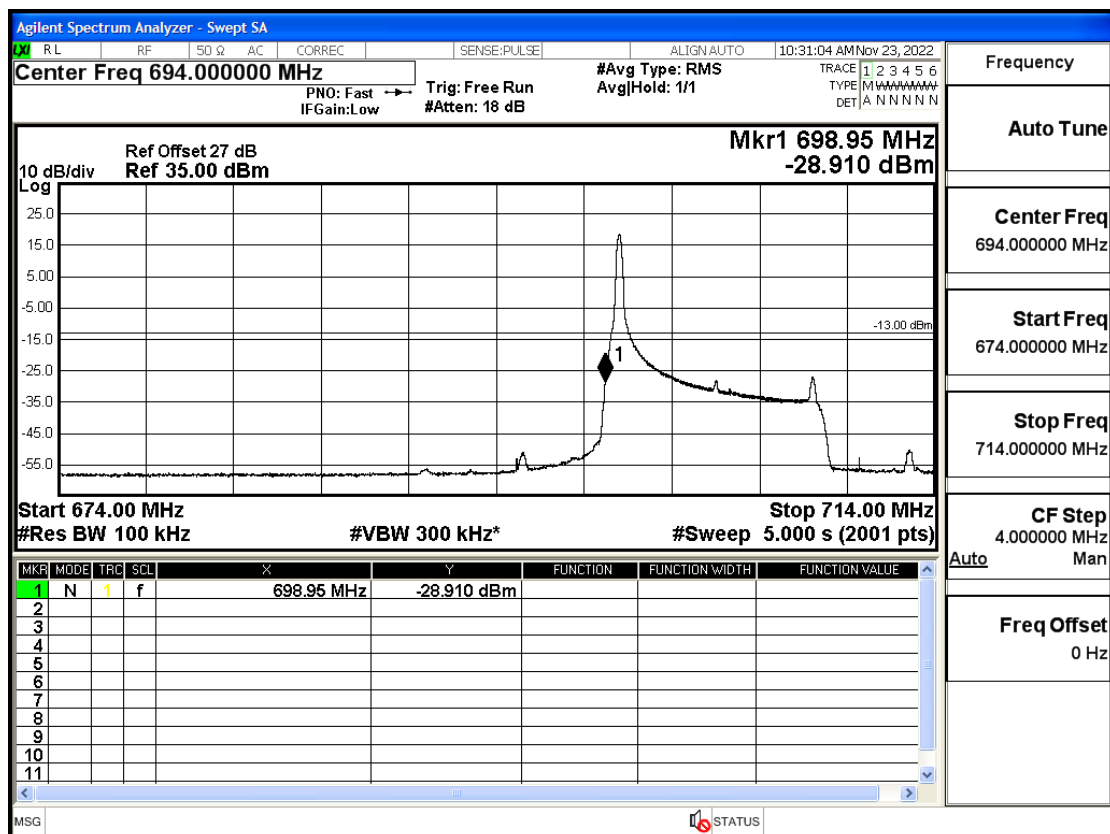
Band12-10-704-QPSK-1#LOW@Pass



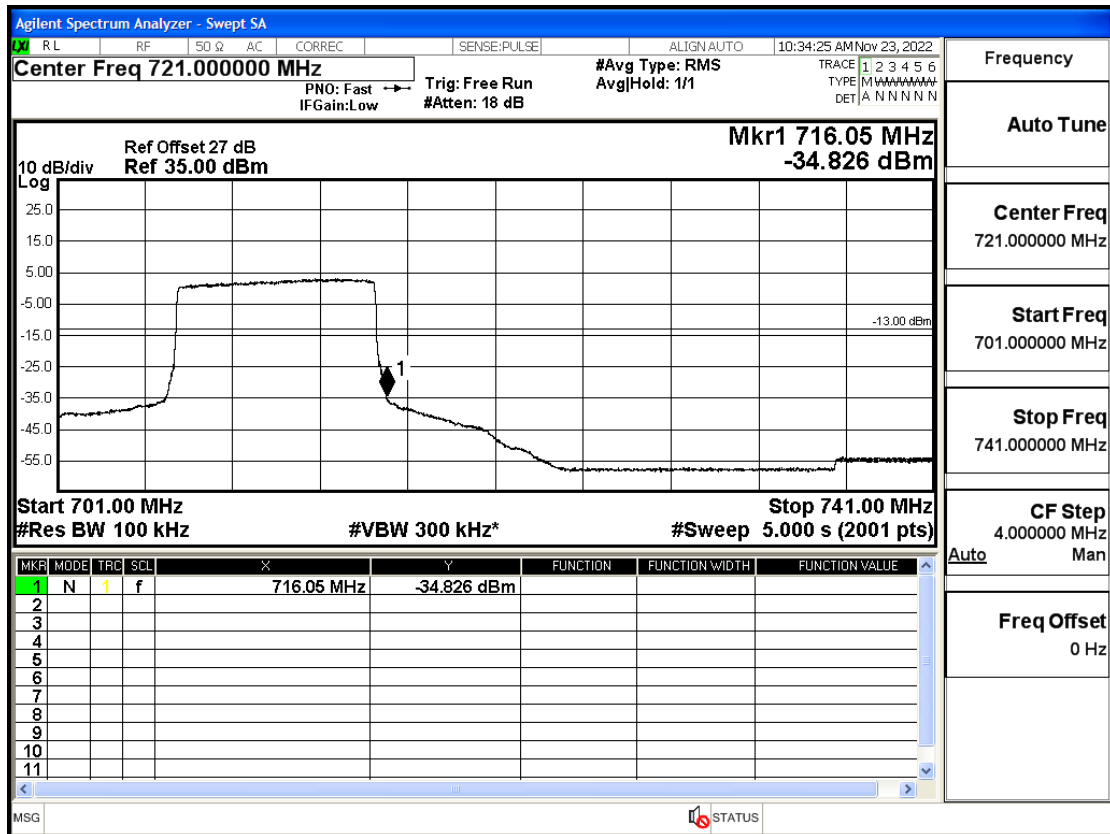
Band12-10-704-16QAM-50#LOW@Pass



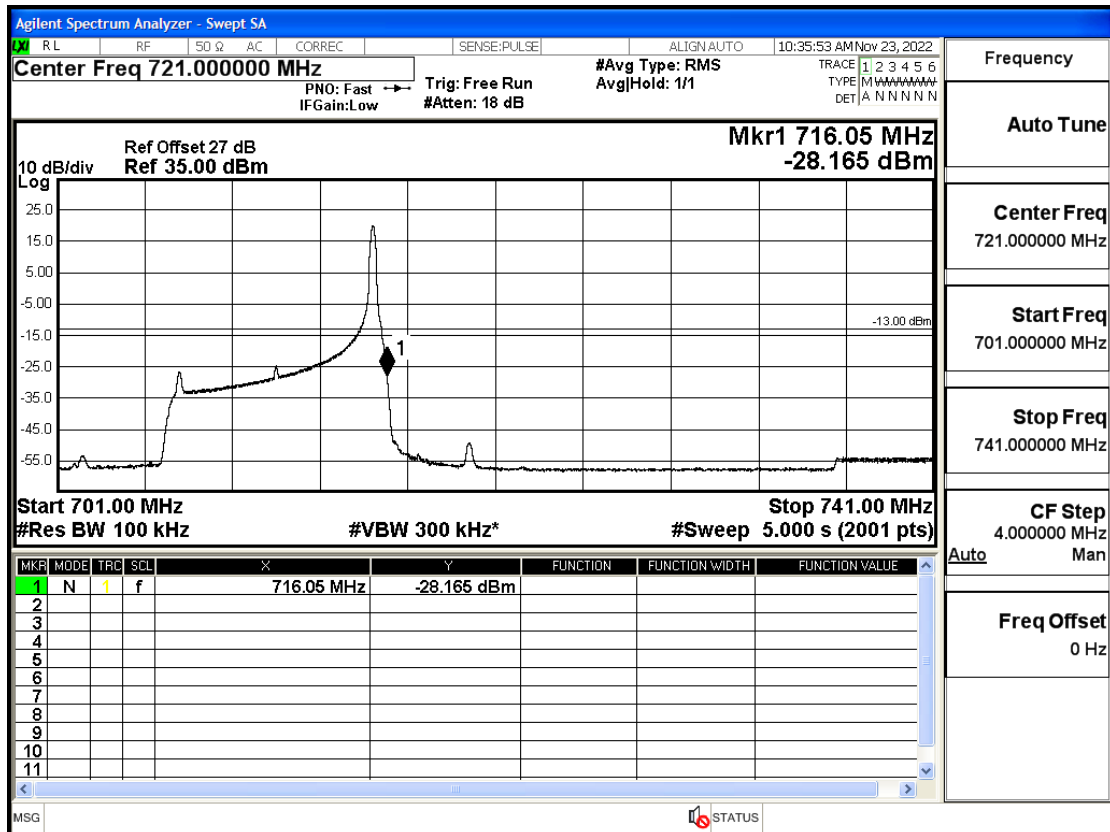
Band12-10-704-16QAM-1#LOW@Pass



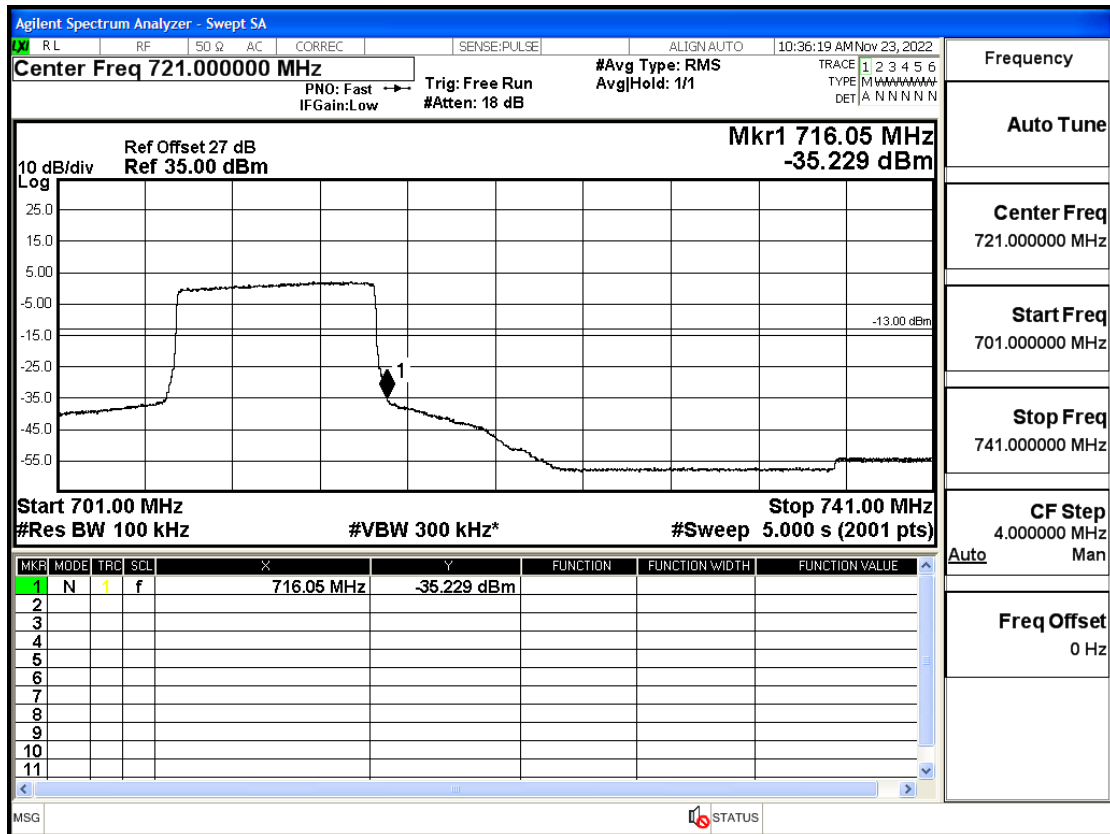
Band12-10-711-QPSK-50#LOW@Pass



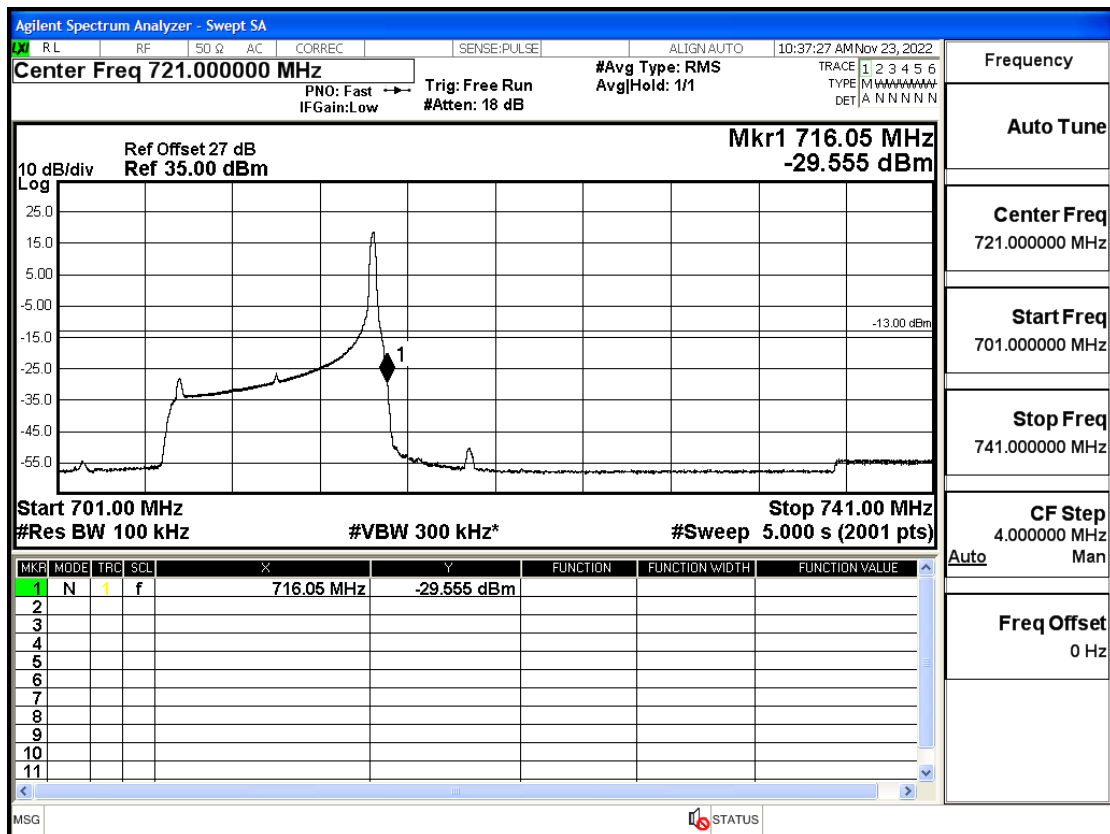
Band12-10-711-QPSK-1#HIGH@Pass



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



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

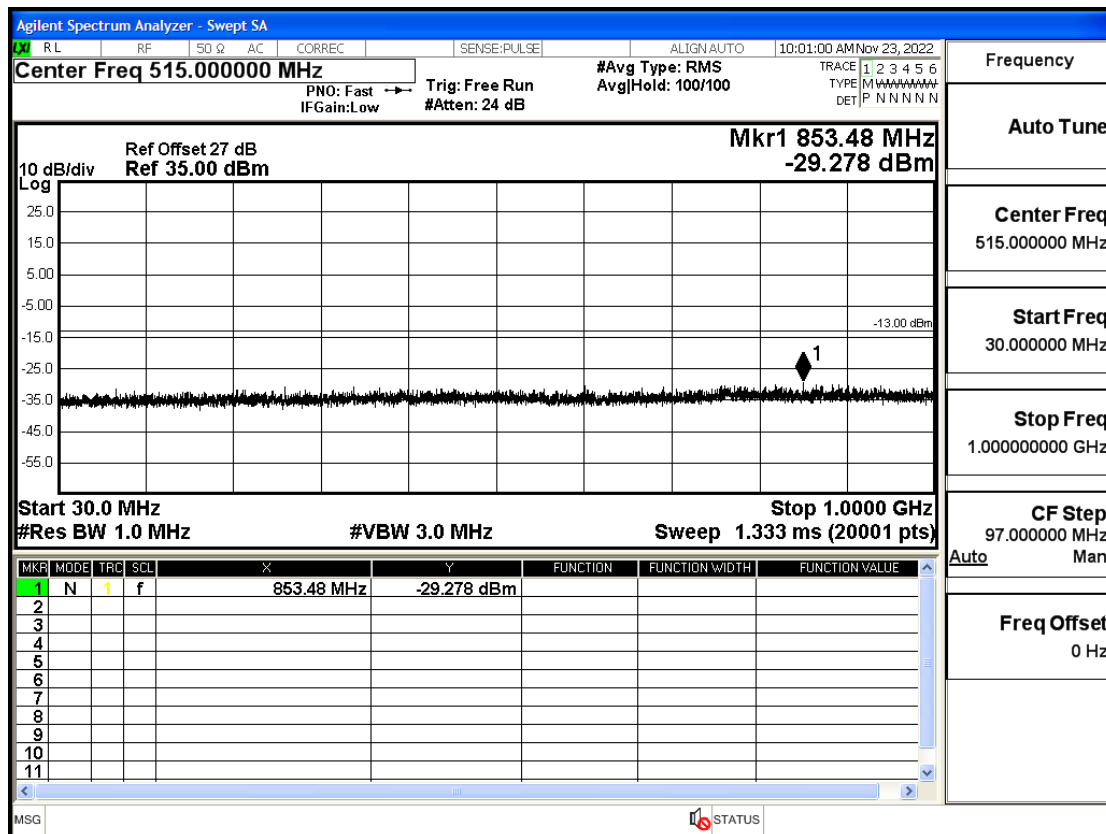


Conducted Spurious Emission

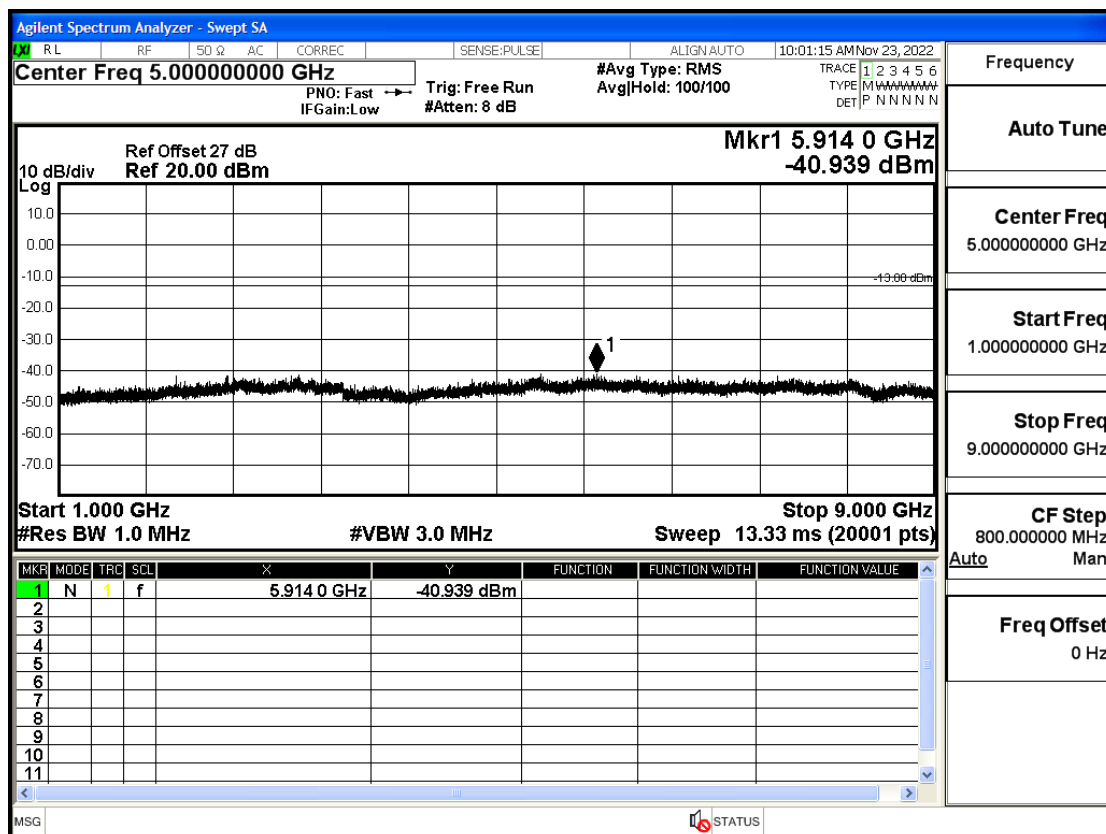
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Test Condition	Transmitter Spurious Emission(Pass/Fail)
OB12	1.4	699.7	QPSK	6	LOW	30mHz-1GHz	Pass
OB12	1.4	699.7	QPSK	6	LOW	1GHz-9GHz	Pass
OB12	1.4	707.5	QPSK	6	LOW	30mHz-1GHz	Pass
OB12	1.4	707.5	QPSK	6	LOW	1GHz-9GHz	Pass
OB12	1.4	715.3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

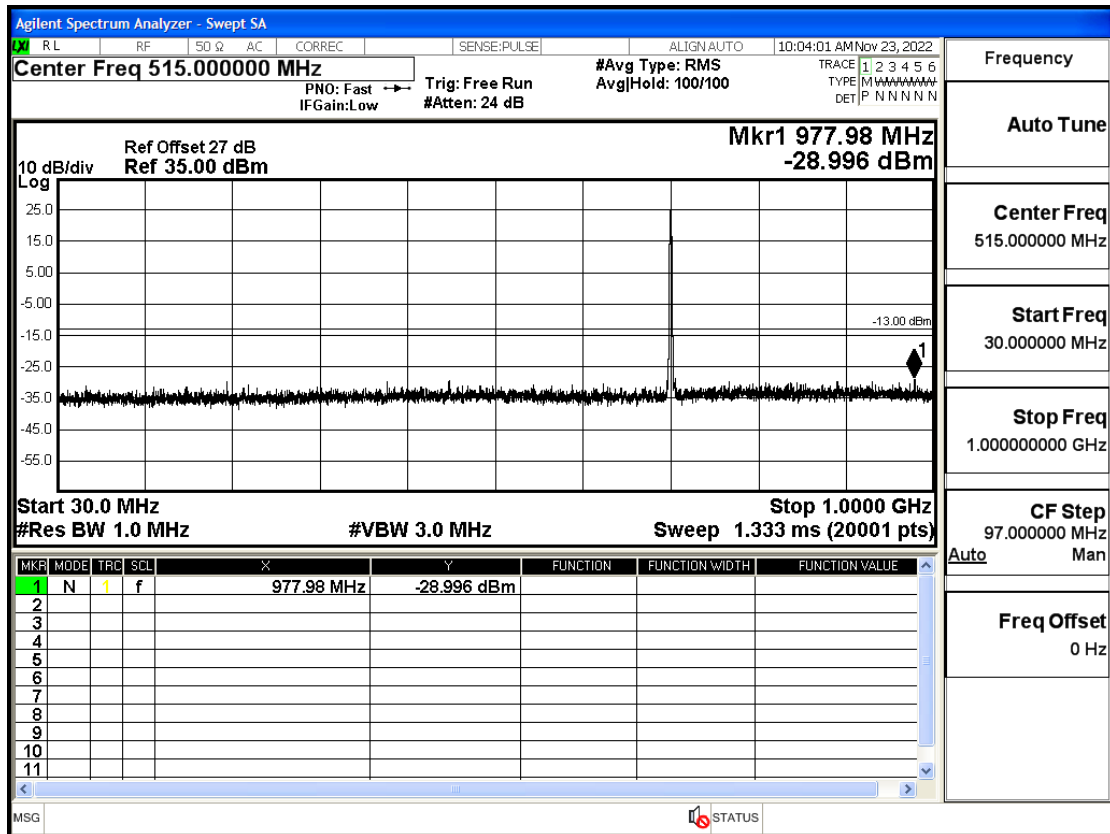
OB12-1.4-699.7-QPSK-6#LOW@30mHz-1GHz@Pass



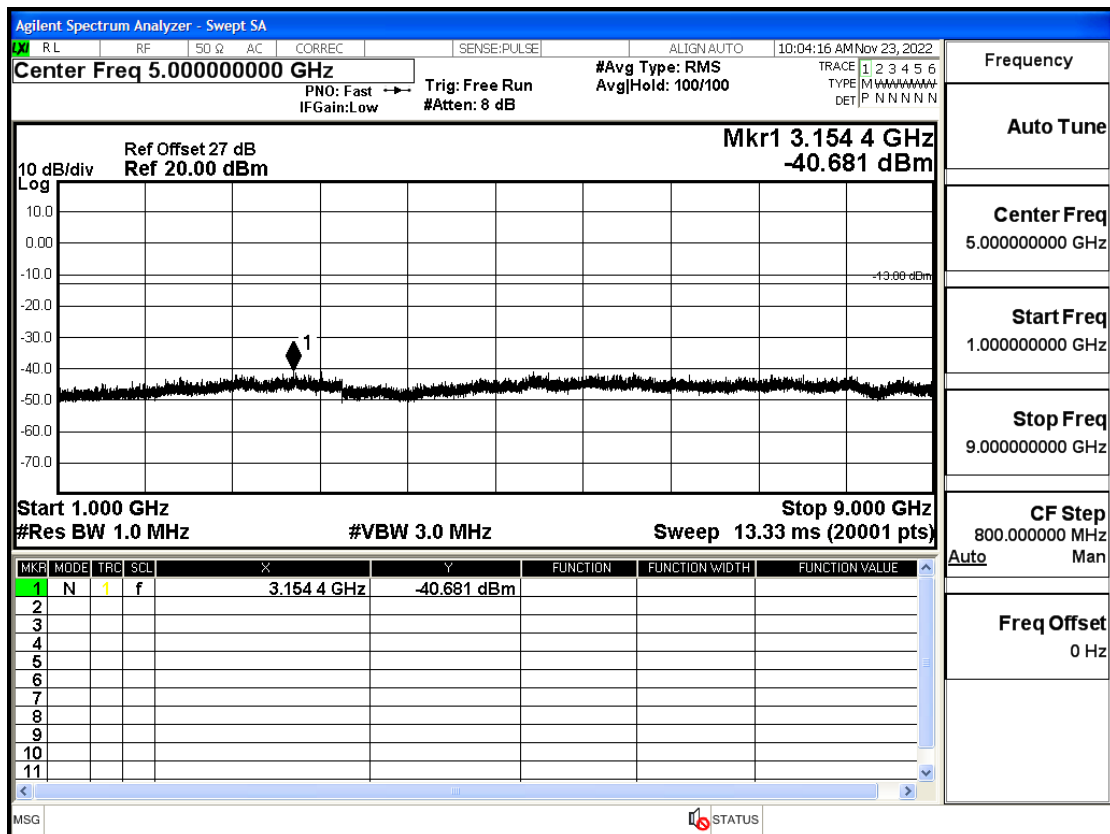
OB12-1.4-699.7-QPSK-6#LOW@1GHz-9GHz@Pass



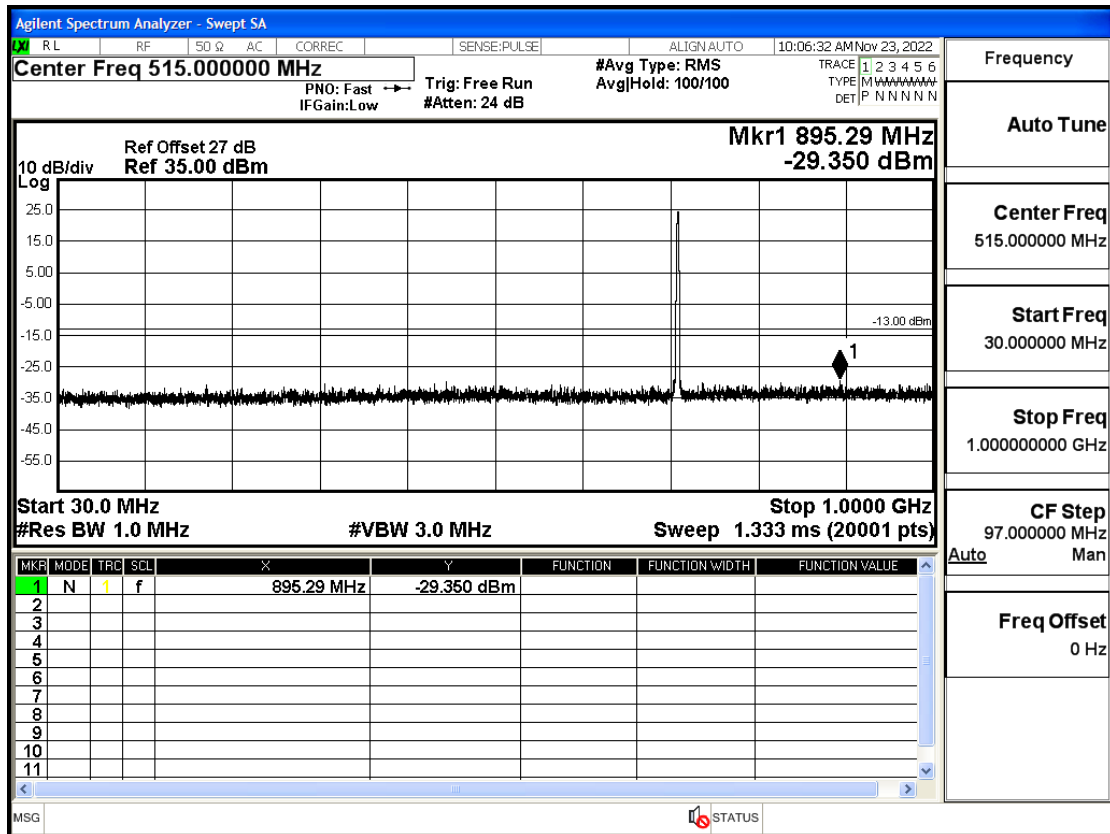
OB12-1.4-707.5-QPSK-6#LOW@30mHz-1GHz@Pass



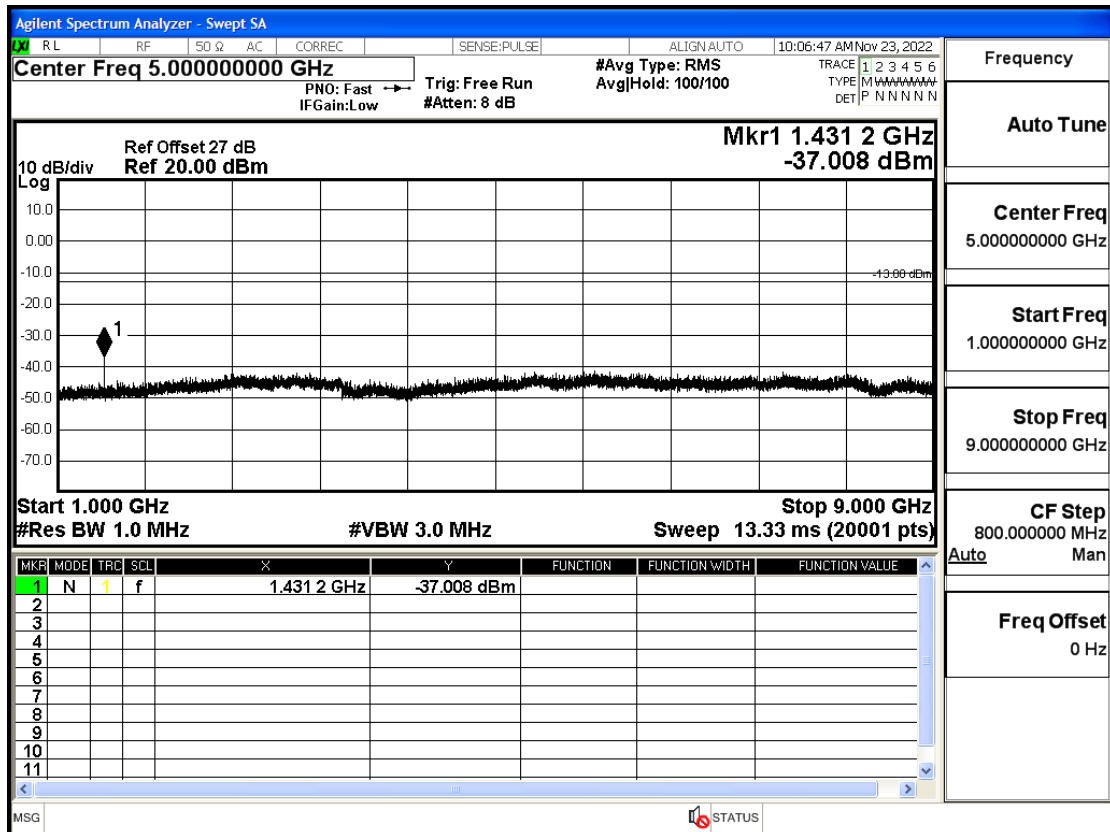
OB12-1.4-707.5-QPSK-6#LOW@1GHz-9GHz@Pass



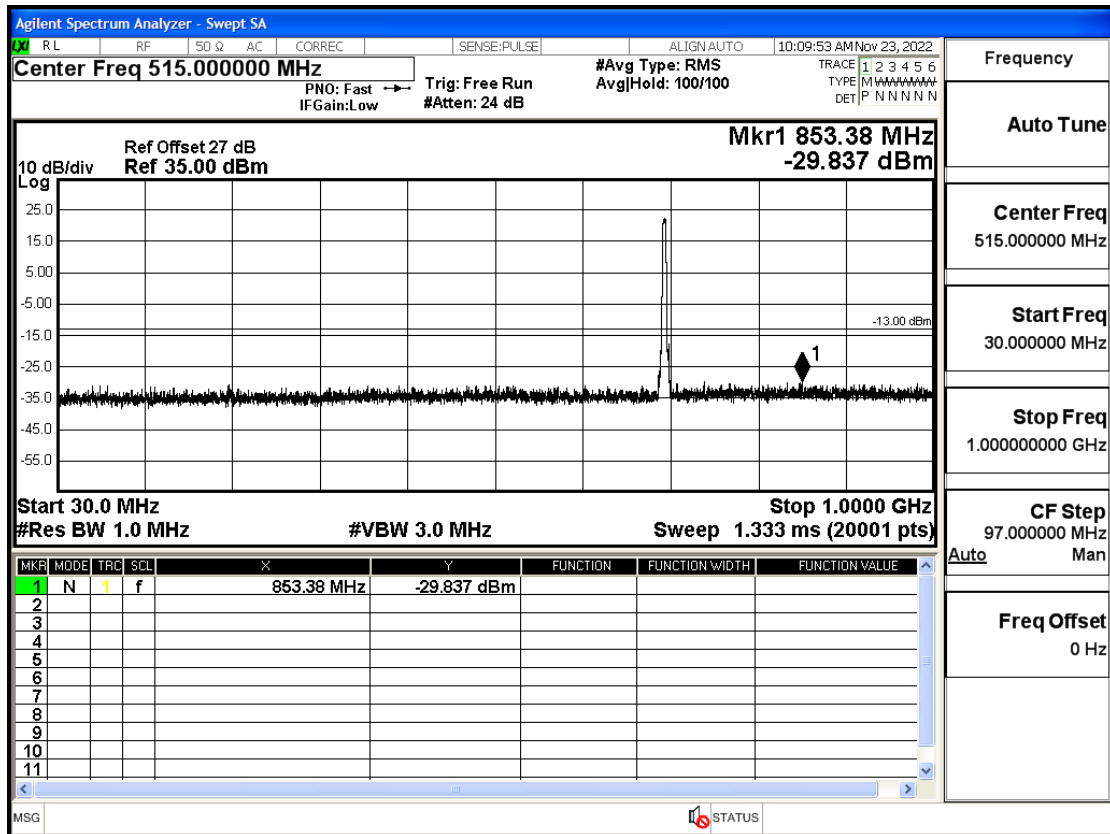
OB12-1.4-715.3-QPSK-6#LOW@30mHz-1GHz@Pass



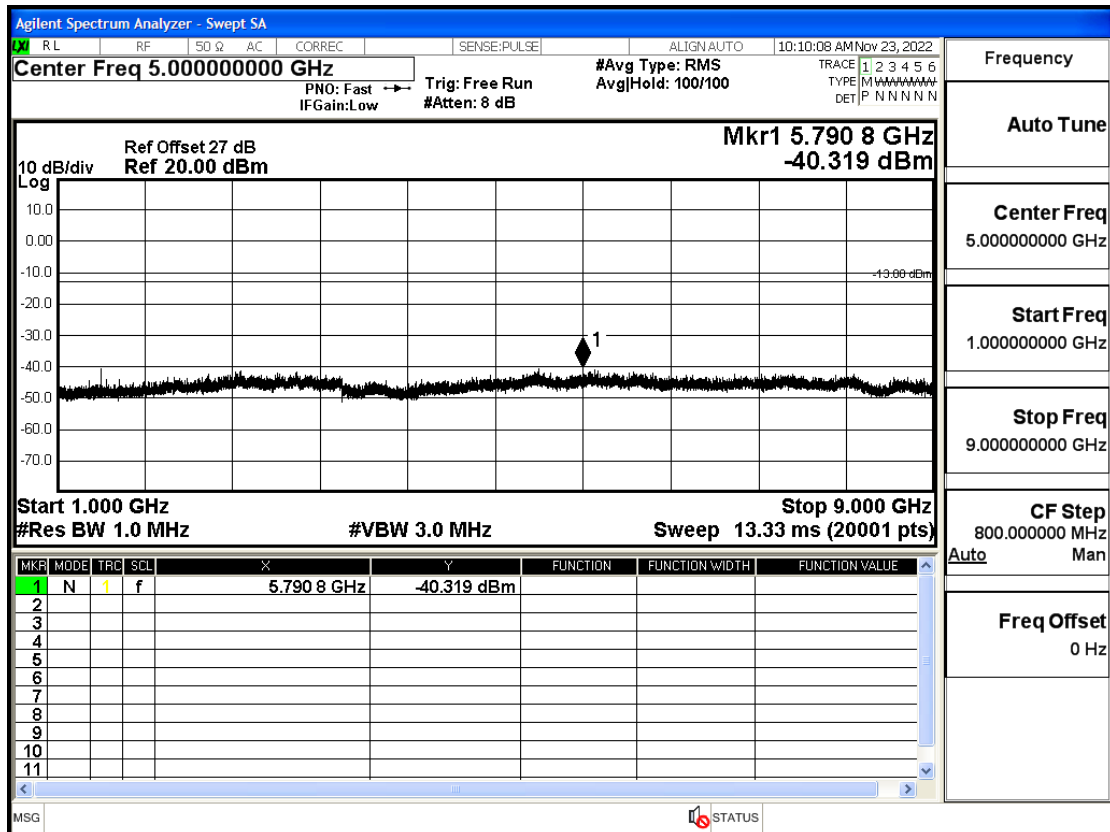
OB12-1.4-715.3-QPSK-6#LOW@1GHz-9GHz@Pass



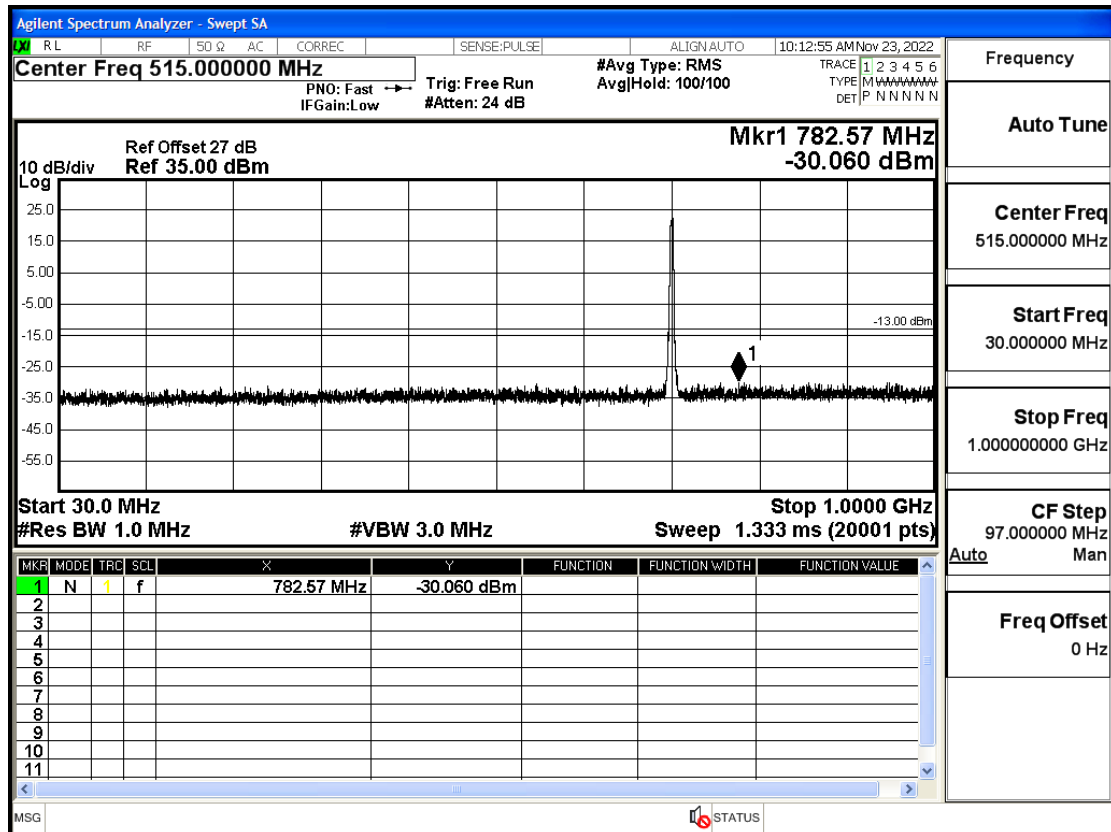
OB12-3-700.5-QPSK-15#LOW@30mHz-1GHz@Pass



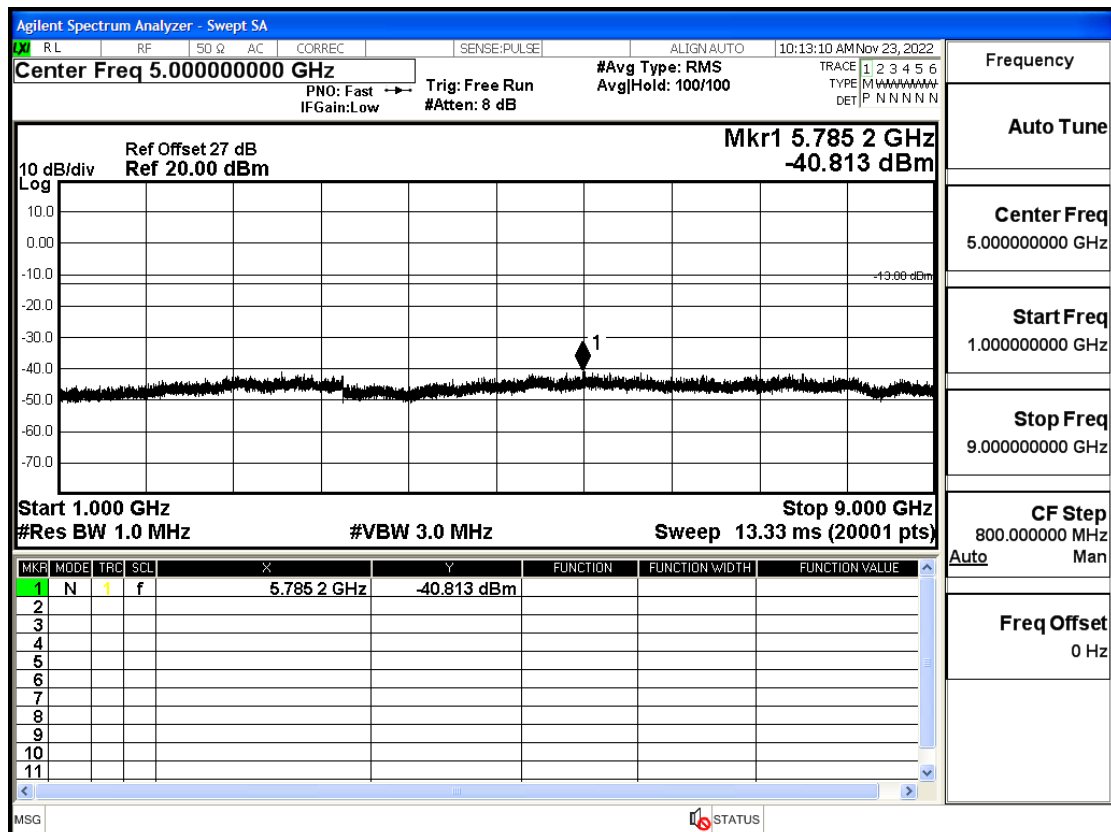
OB12-3-700.5-QPSK-15#LOW@1GHz-9GHz@Pass



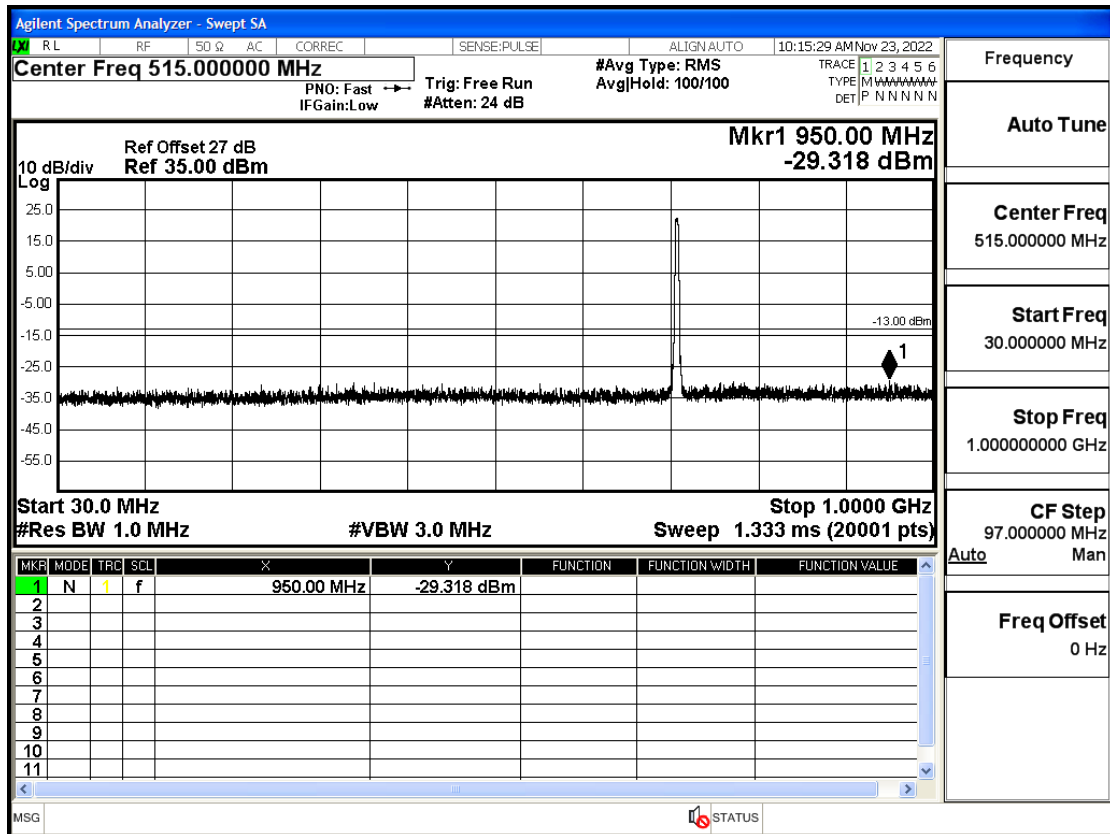
OB12-3-707.5-QPSK-15#LOW@30mHz-1GHz@Pass



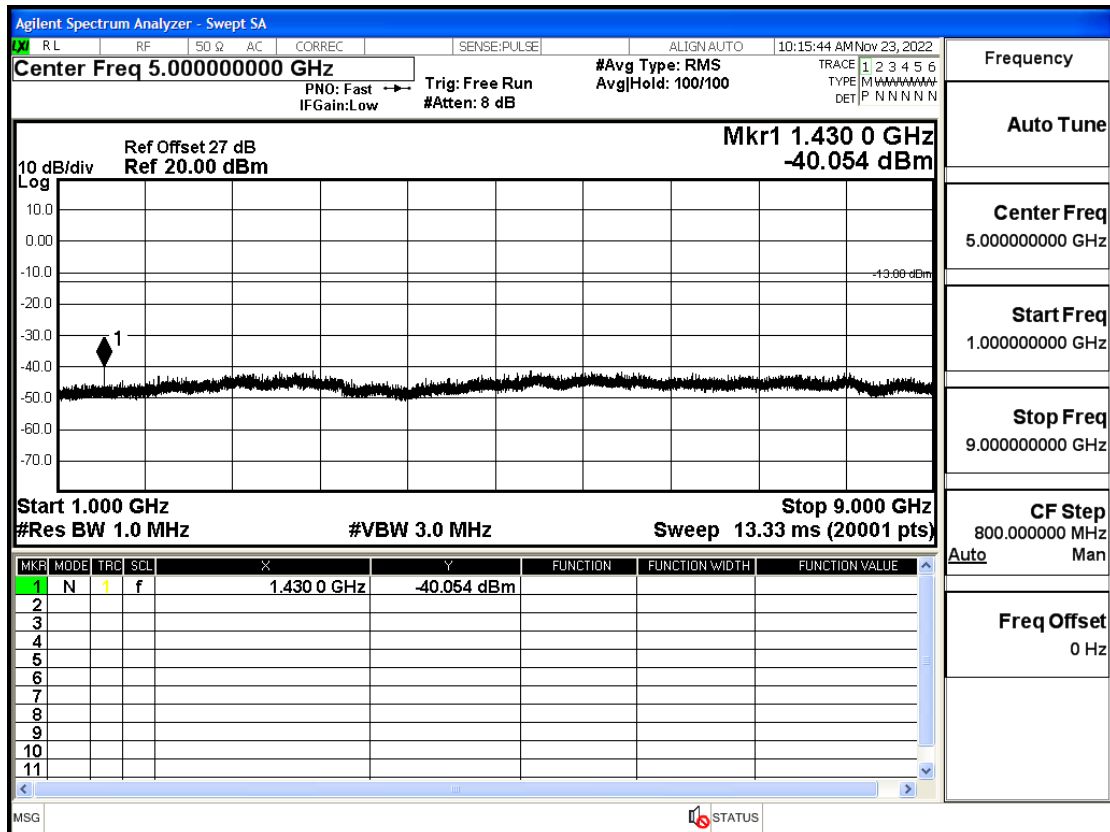
OB12-3-707.5-QPSK-15#LOW@1GHz-9GHz@Pass



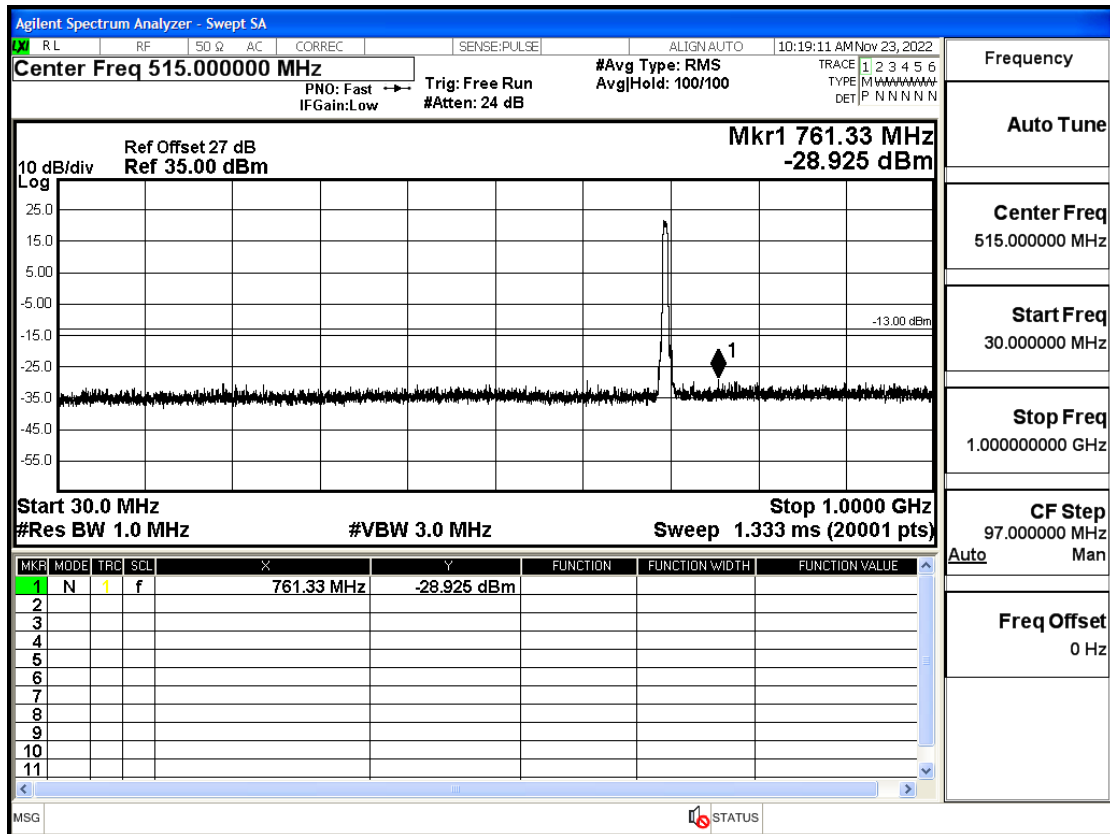
OB12-3-714.5-QPSK-15#LOW@30mHz-1GHz@Pass



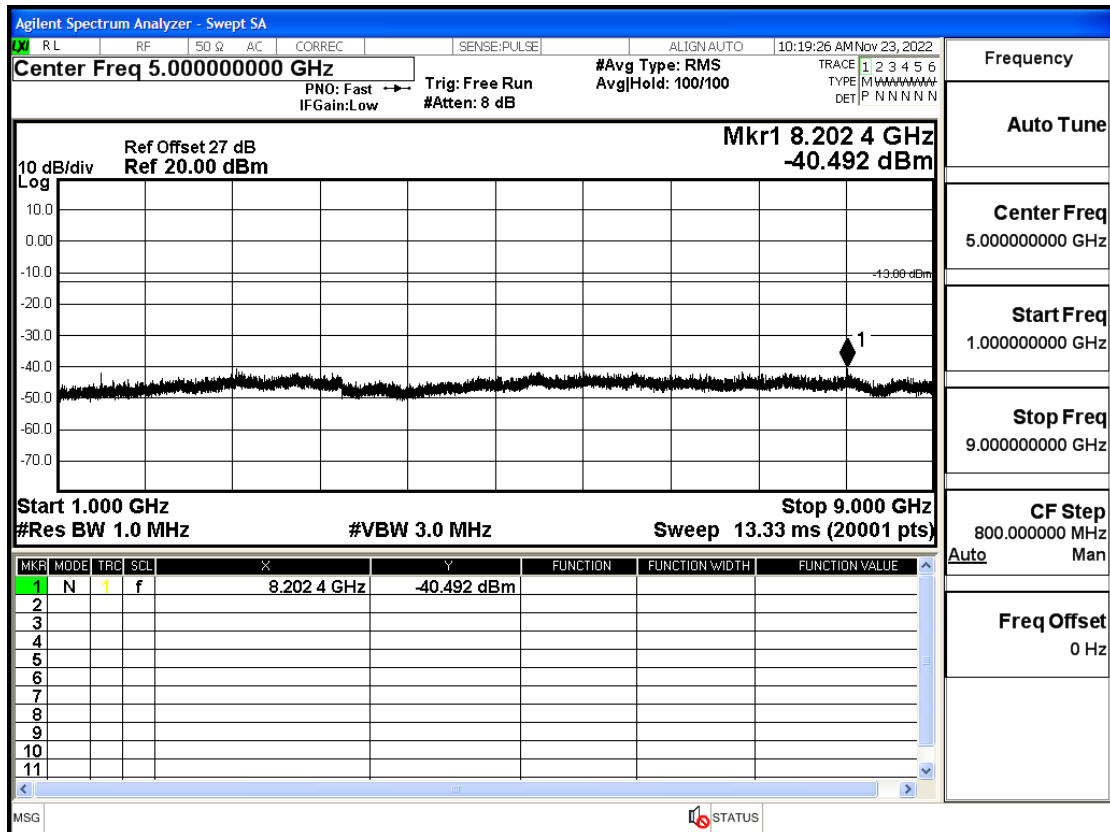
OB12-3-714.5-QPSK-15#LOW@1GHz-9GHz@Pass



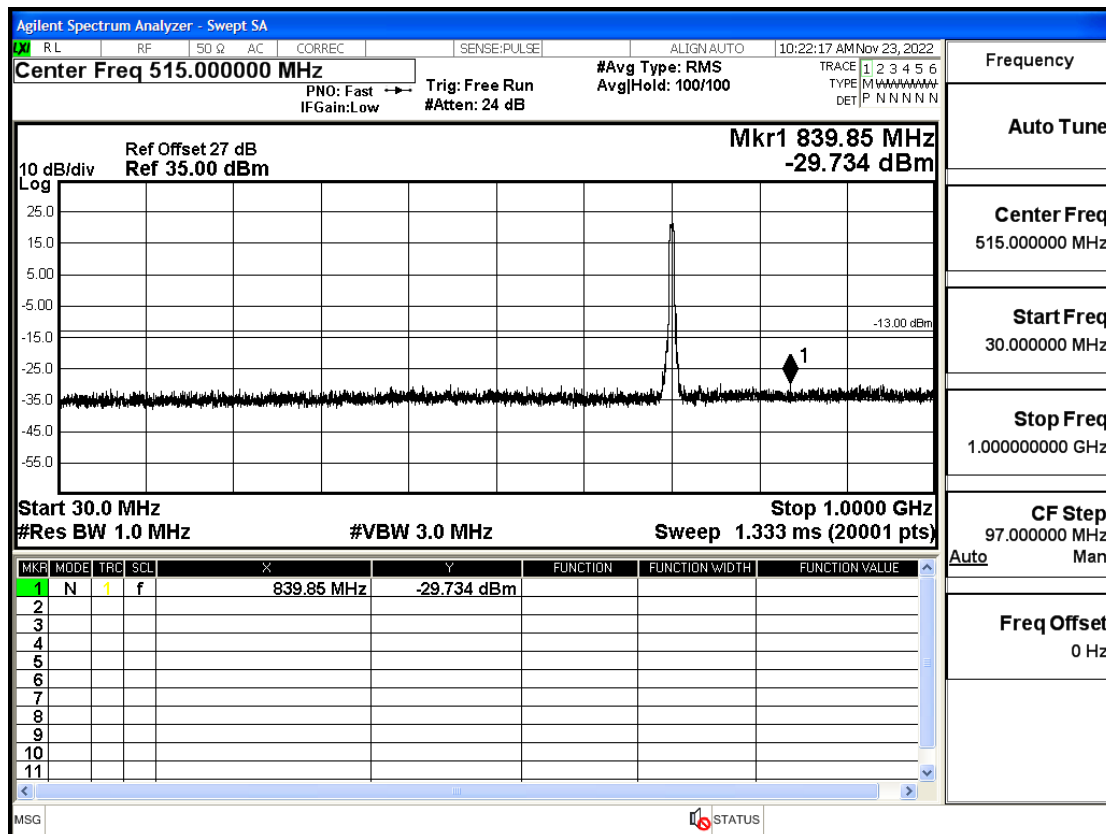
OB12-5-701.5-QPSK-25#LOW@30mHz-1GHz@Pass



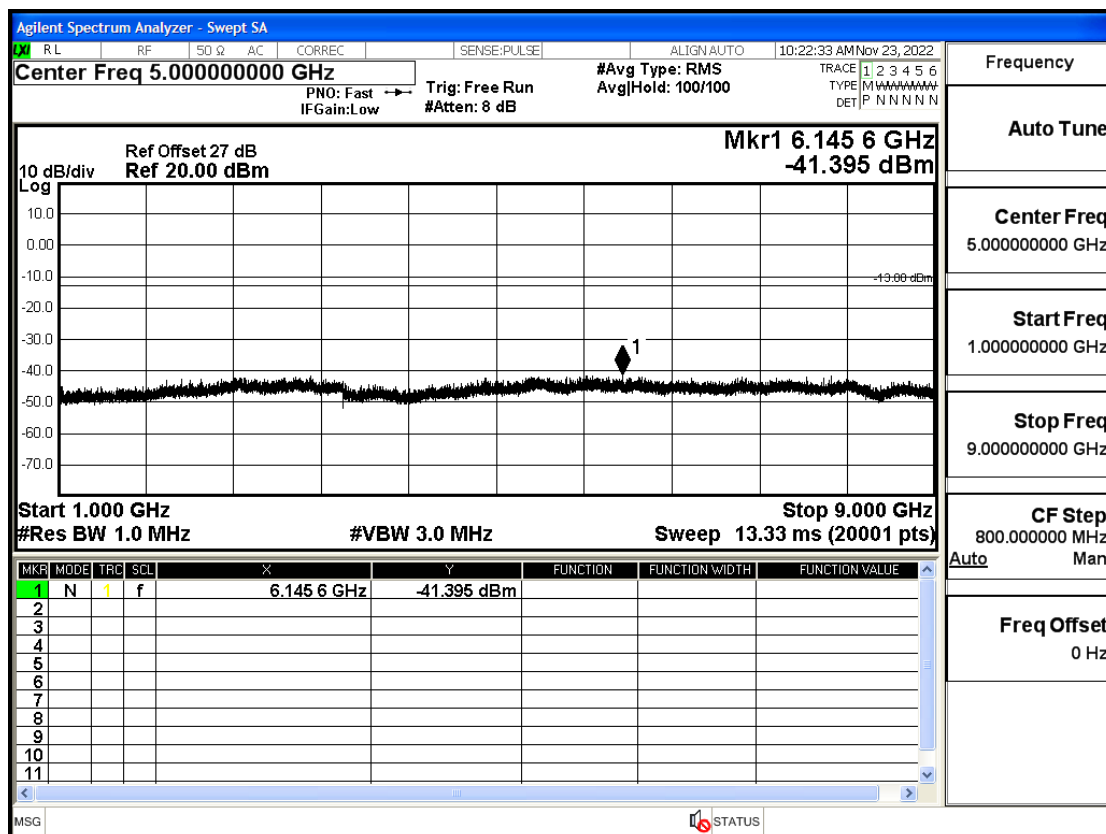
OB12-5-701.5-QPSK-25#LOW@1GHz-9GHz@Pass



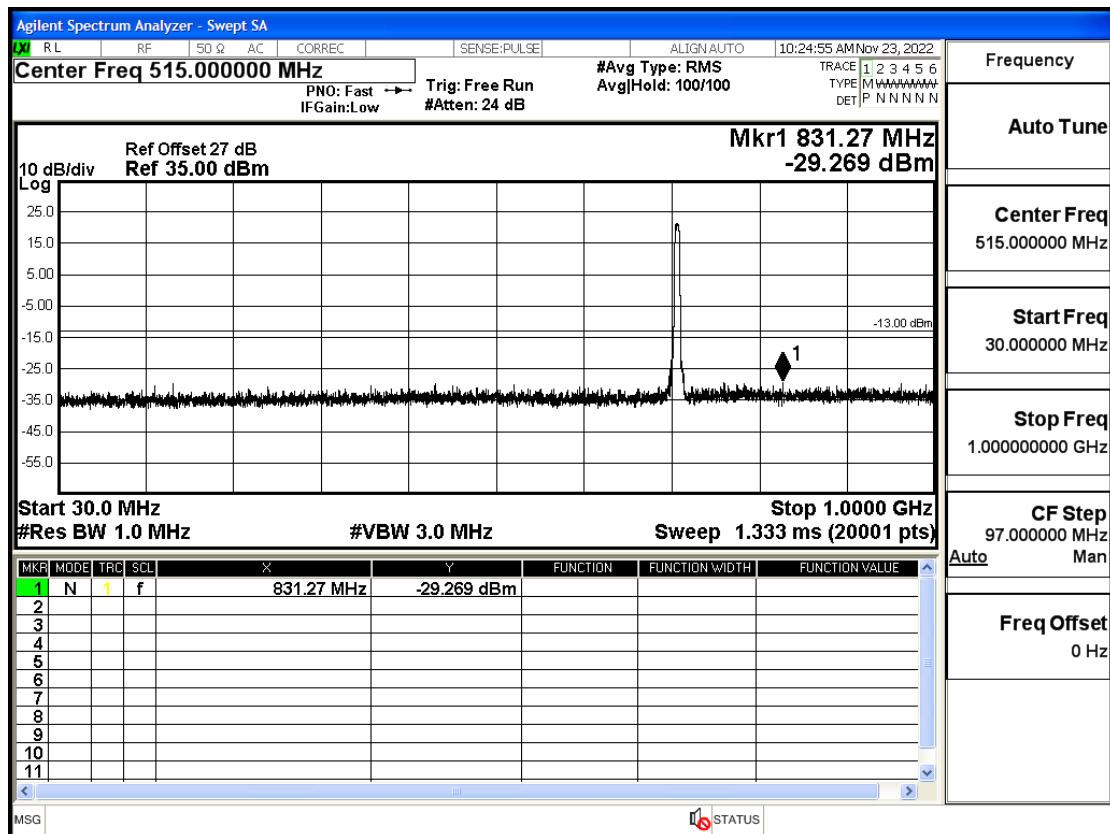
OB12-5-707.5-QPSK-25#LOW@30mHz-1GHz@Pass



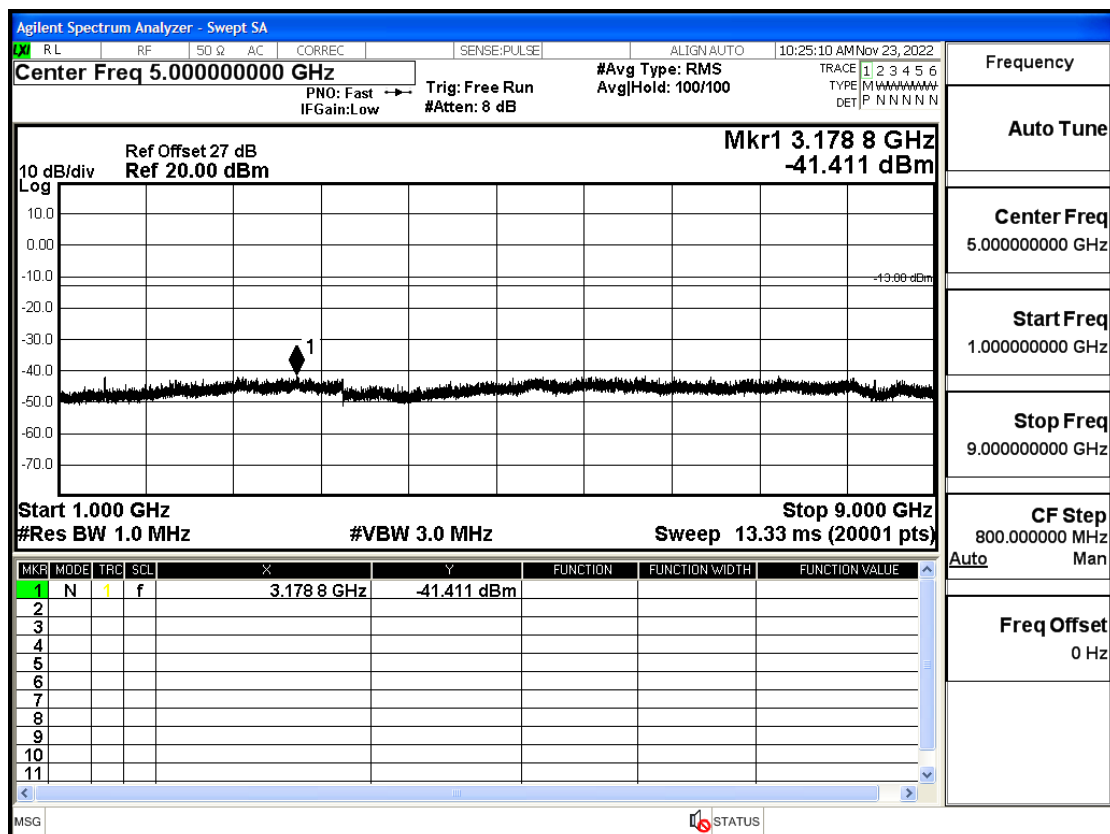
OB12-5-707.5-QPSK-25#LOW@1GHz-9GHz@Pass



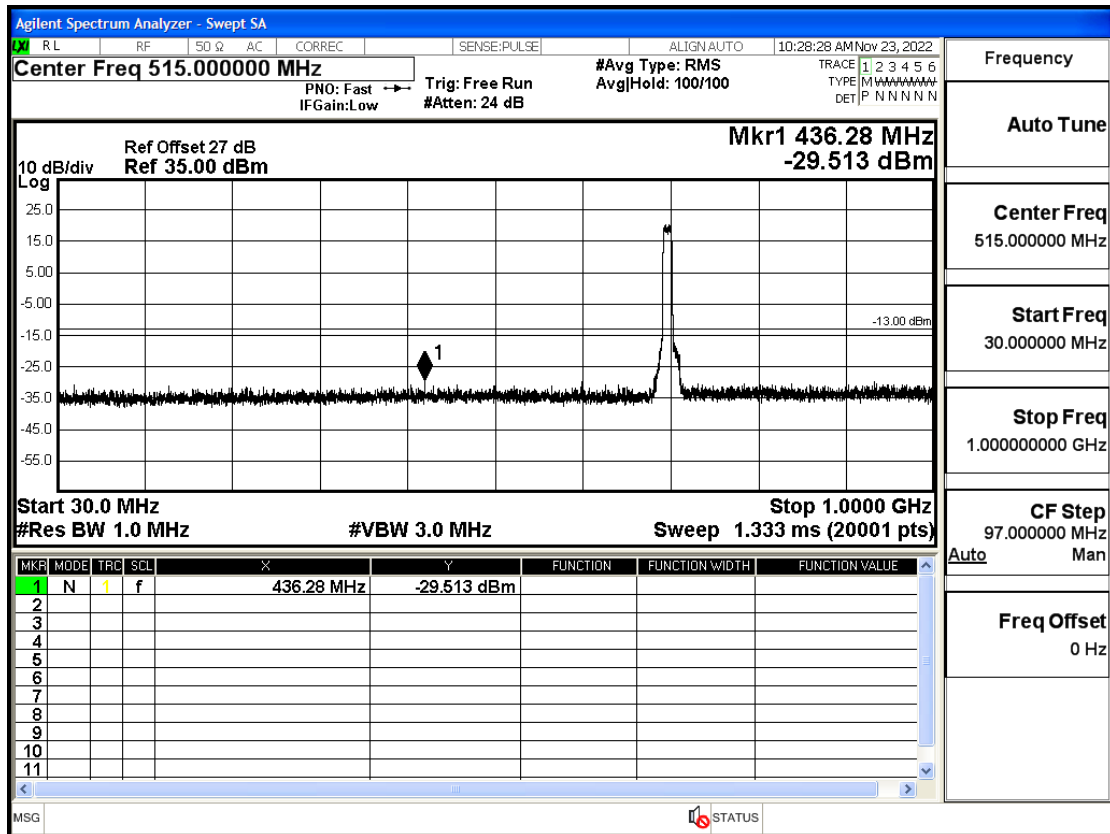
OB12-5-713.5-QPSK-25#LOW@30mHz-1GHz@Pass



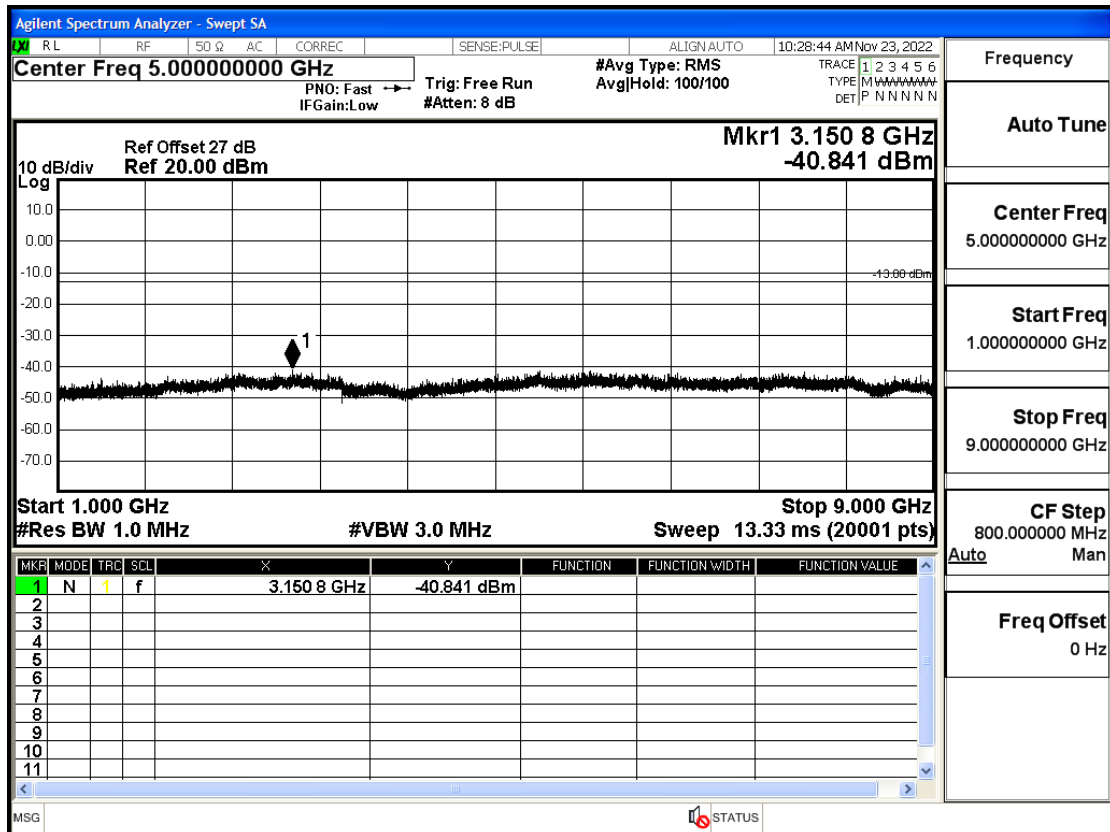
OB12-5-713.5-QPSK-25#LOW@1GHz-9GHz@Pass



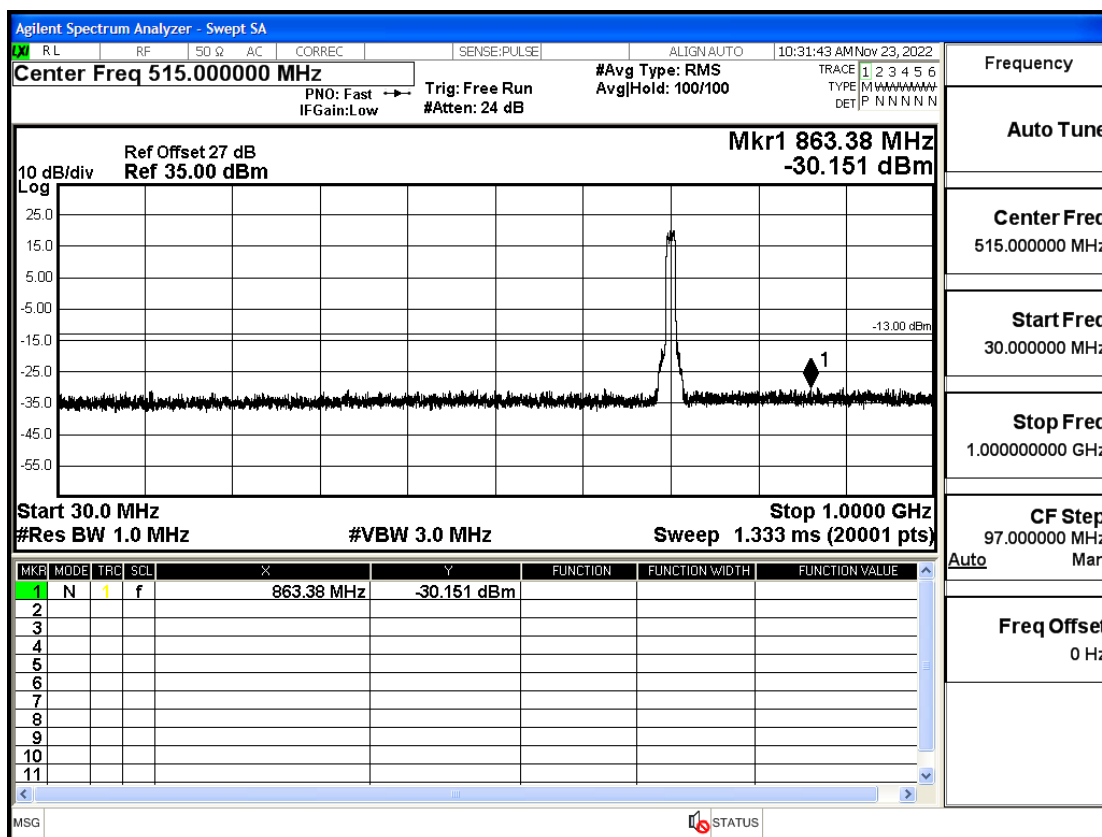
OB12-10-704-QPSK-50#LOW@30mHz-1GHz@Pass



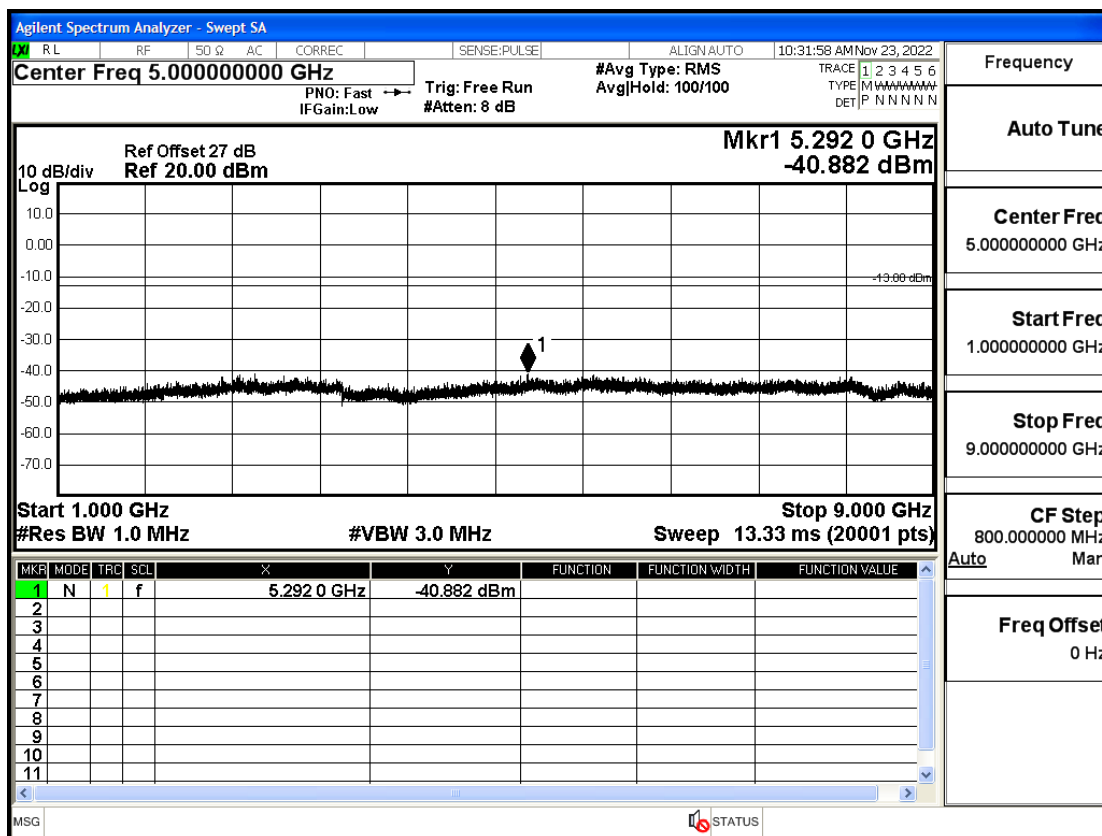
OB12-10-704-QPSK-50#LOW@1GHz-9GHz@Pass



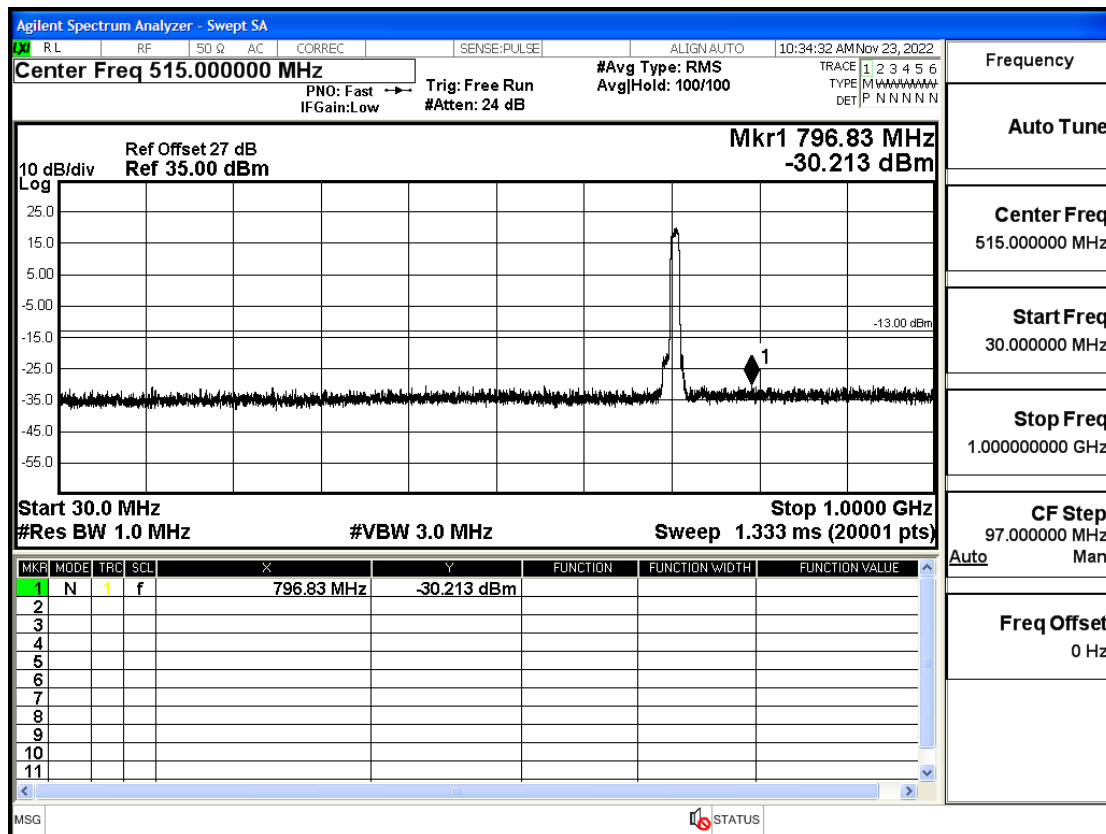
OB12-10-707.5-QPSK-50#LOW@30mHz-1GHz@Pass



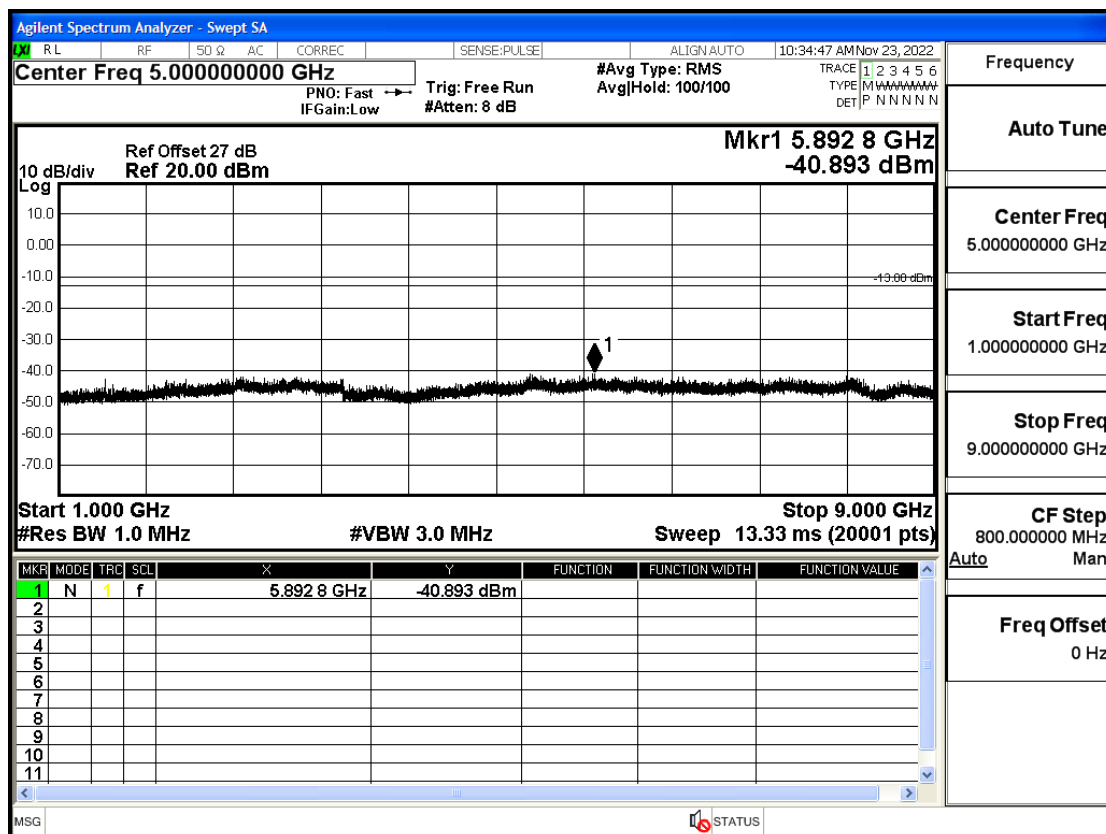
OB12-10-707.5-QPSK-50#LOW@1GHz-9GHz@Pass



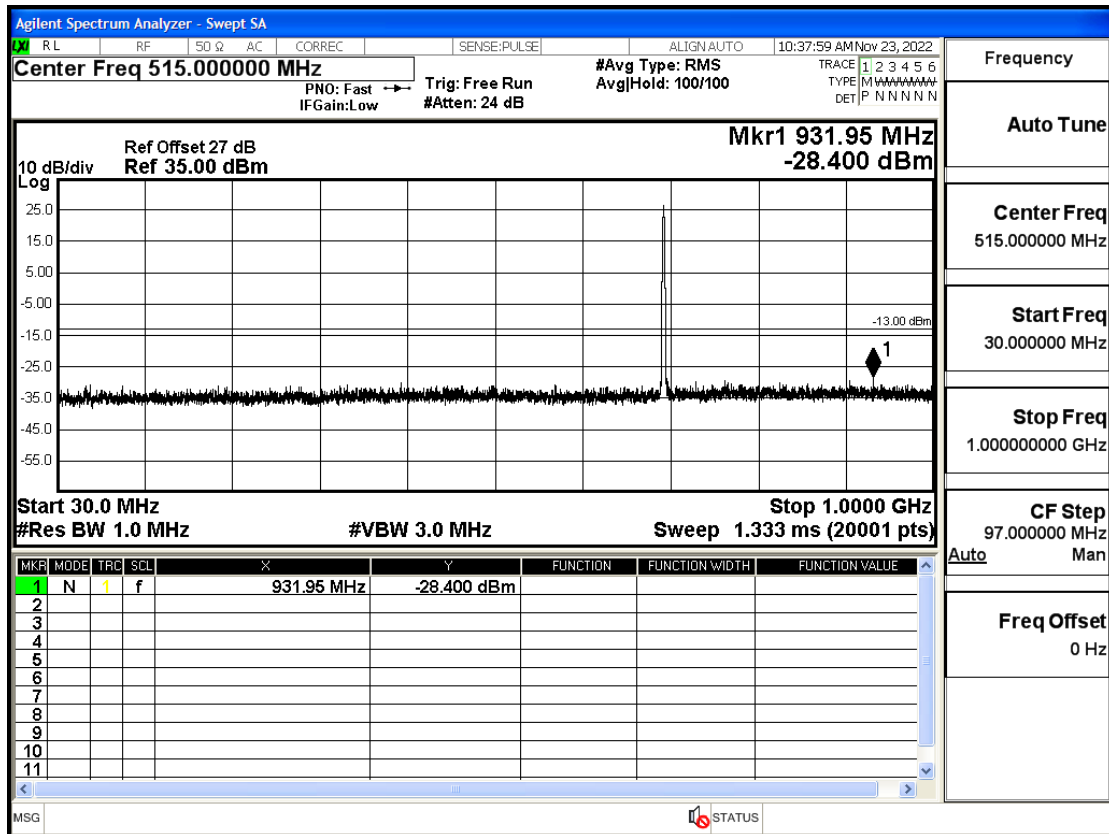
OB12-10-711-QPSK-50#LOW@30mHz-1GHz@Pass



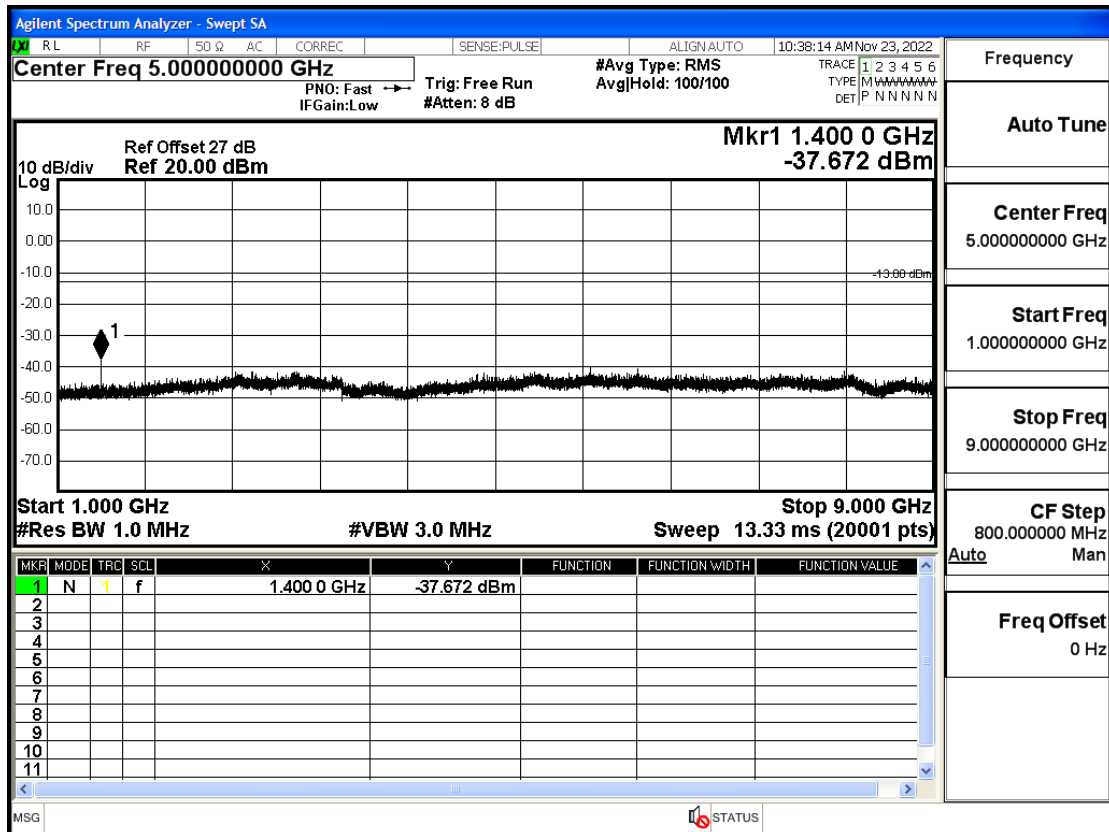
OB12-10-711-QPSK-50#LOW@1GHz-9GHz@Pass



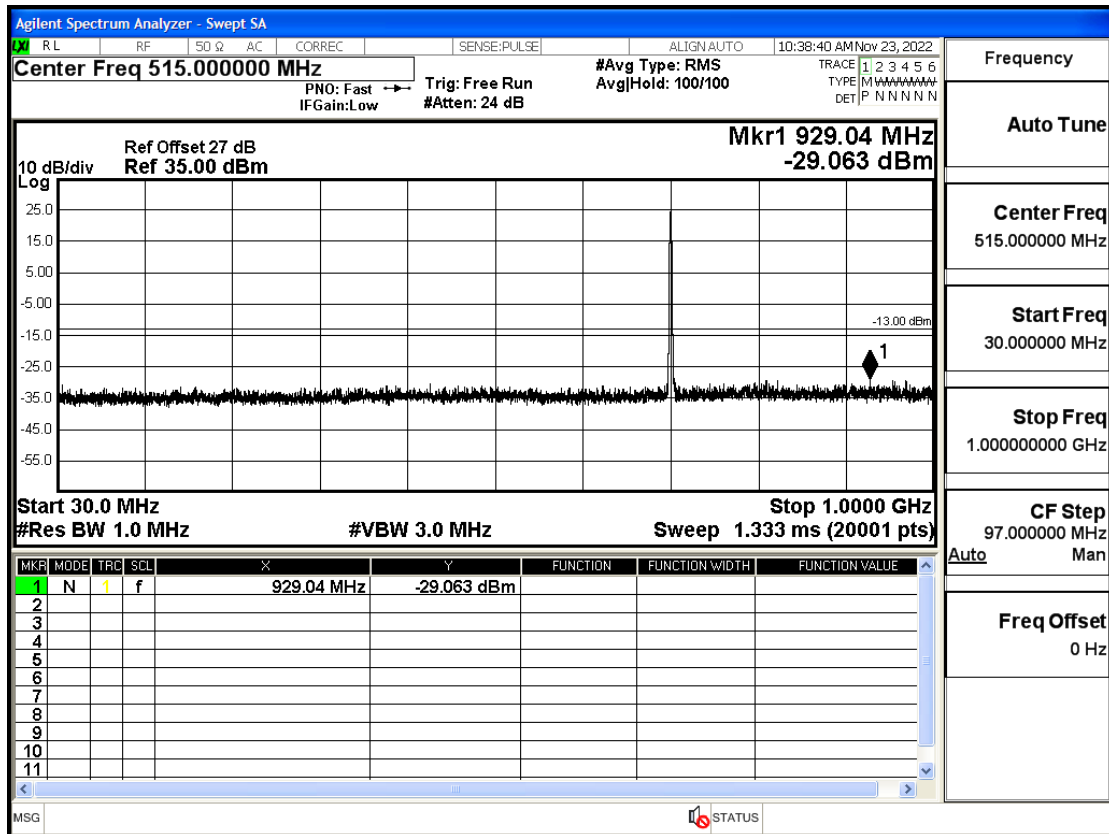
OB12-1.4-699.7-Q16-6#LOW@30mHz-1GHz@Pass



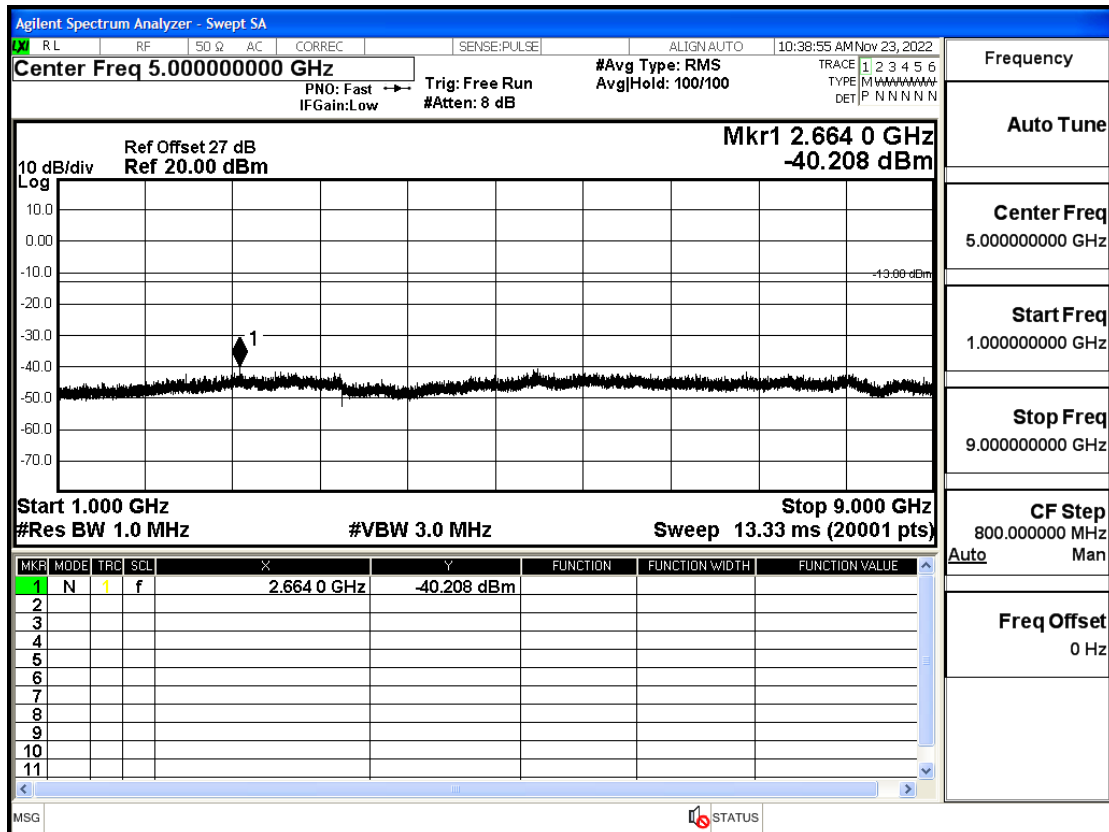
OB12-1.4-699.7-Q16-6#LOW@1GHz-9GHz@Pass



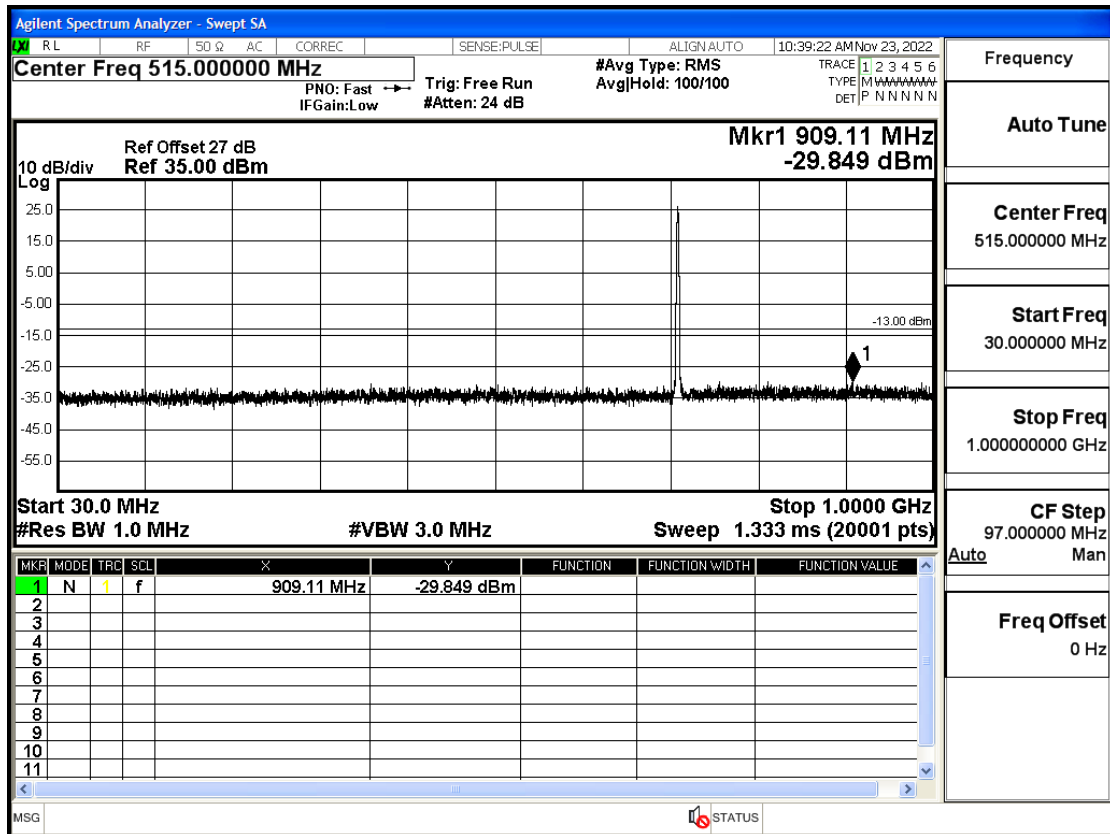
OB12-1.4-707.5-Q16-6#LOW@30mHz-1GHz@Pass



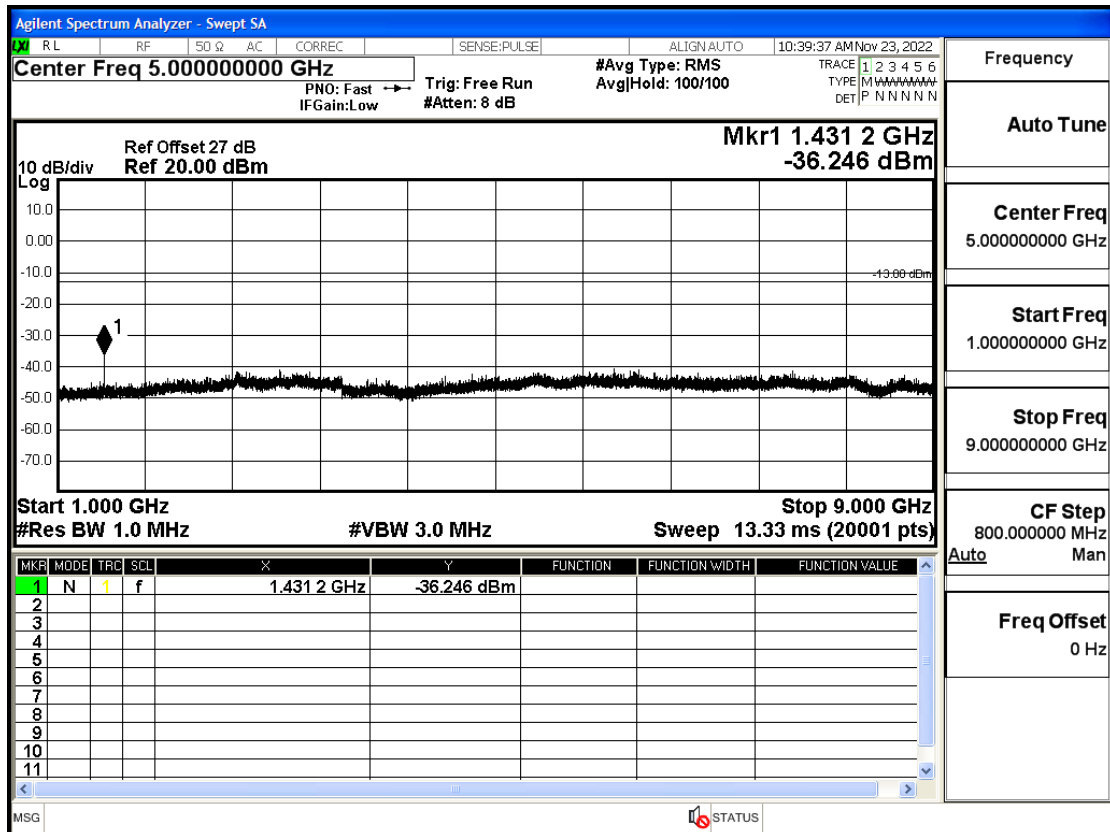
OB12-1.4-707.5-Q16-6#LOW@1GHz-9GHz@Pass



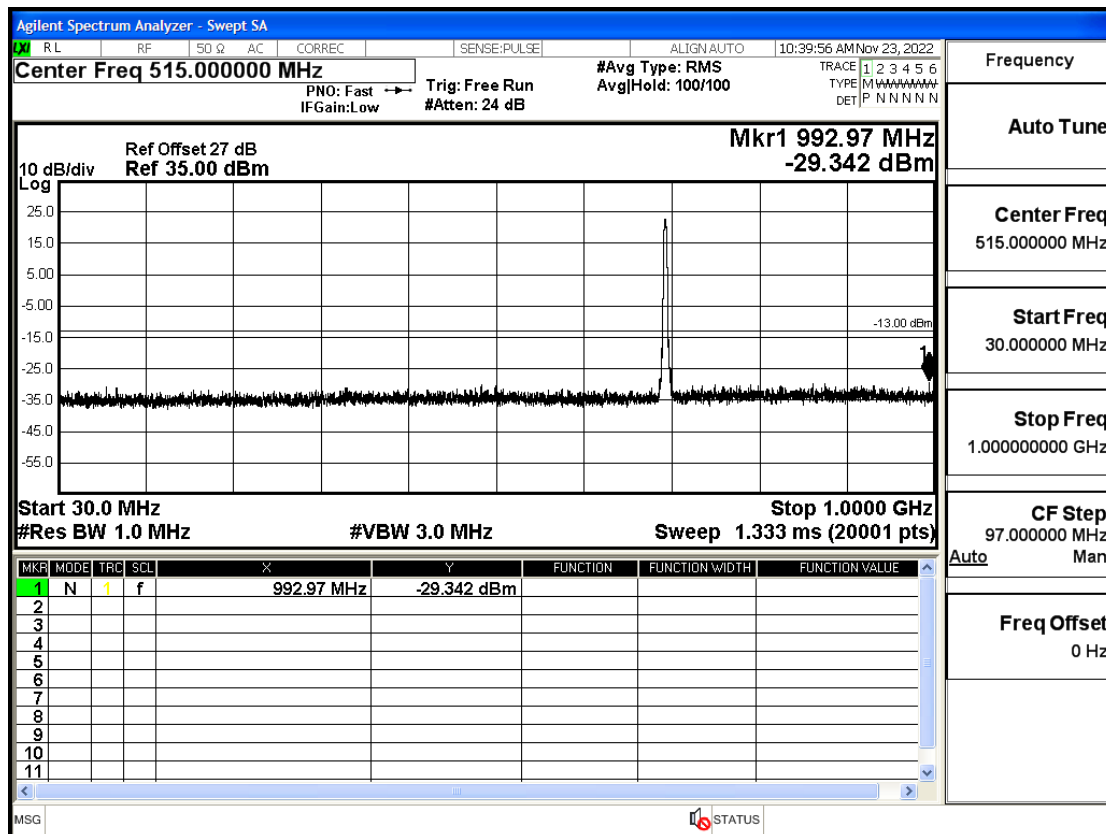
OB12-1.4-715.3-Q16-6#LOW@30mHz-1GHz@Pass



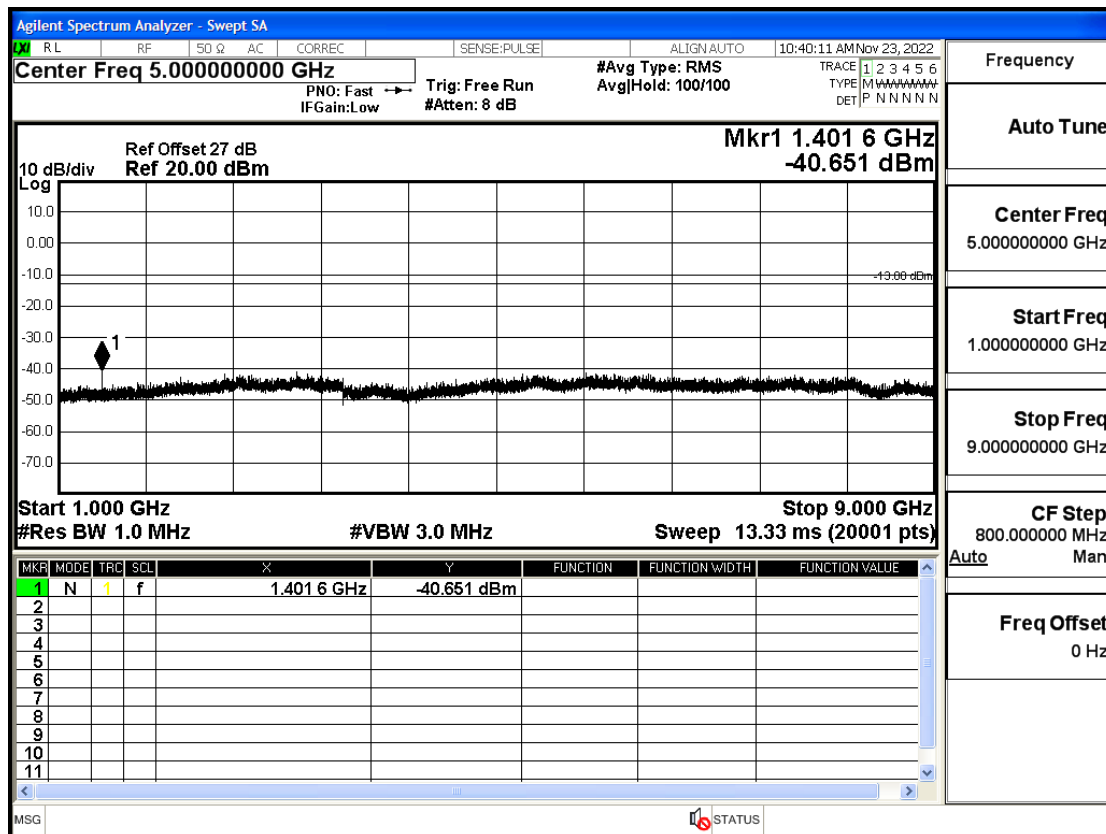
OB12-1.4-715.3-Q16-6#LOW@1GHz-9GHz@Pass



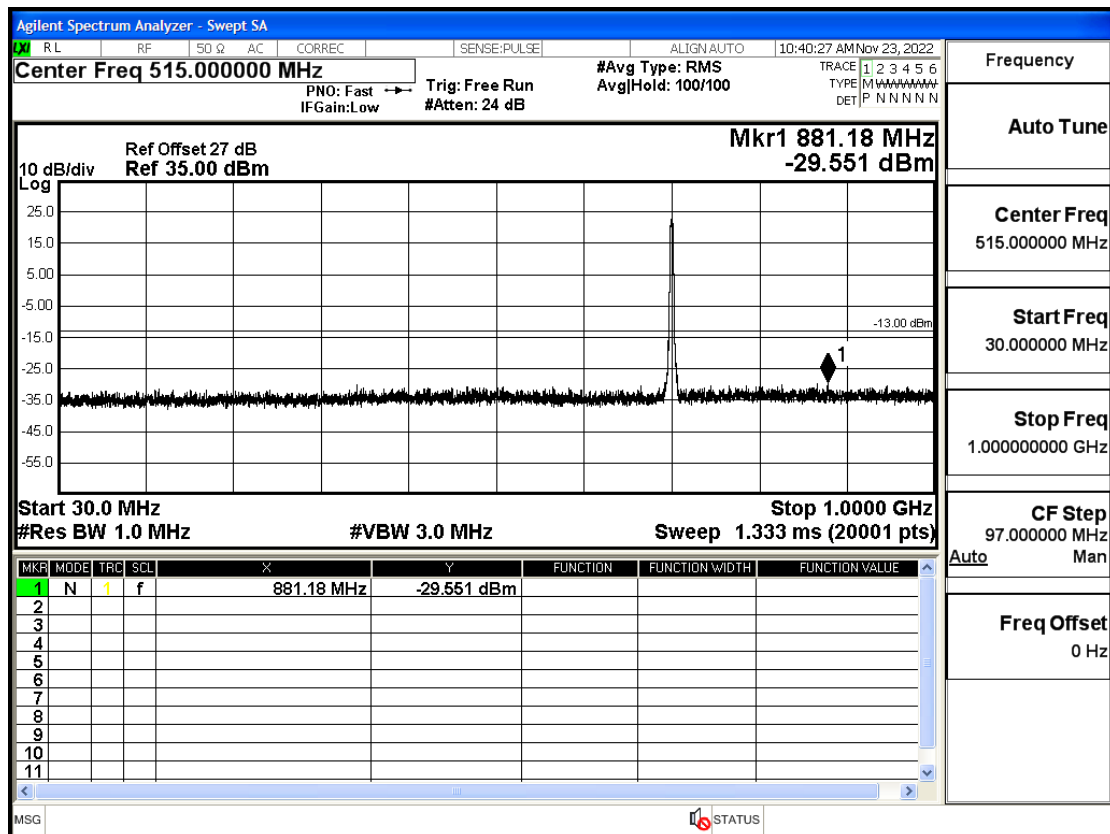
OB12-3-700.5-Q16-15#LOW@30mHz-1GHz@Pass



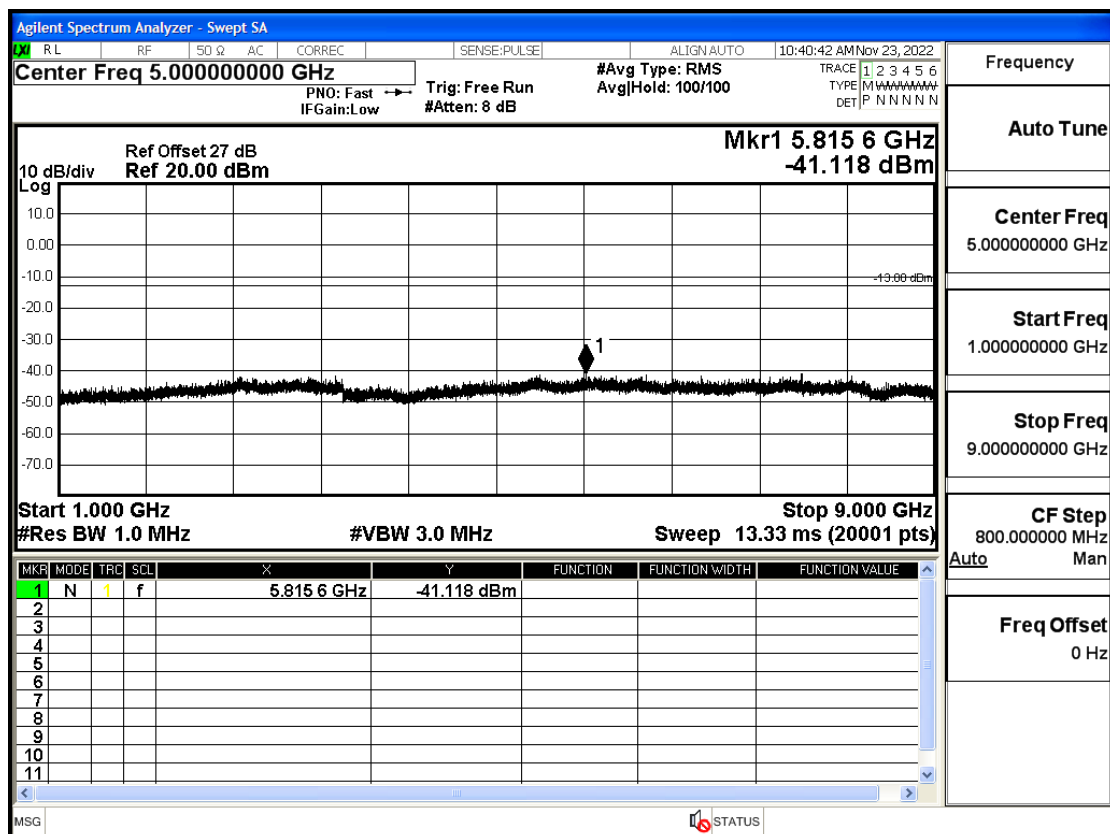
OB12-3-700.5-Q16-15#LOW@1GHz-9GHz@Pass



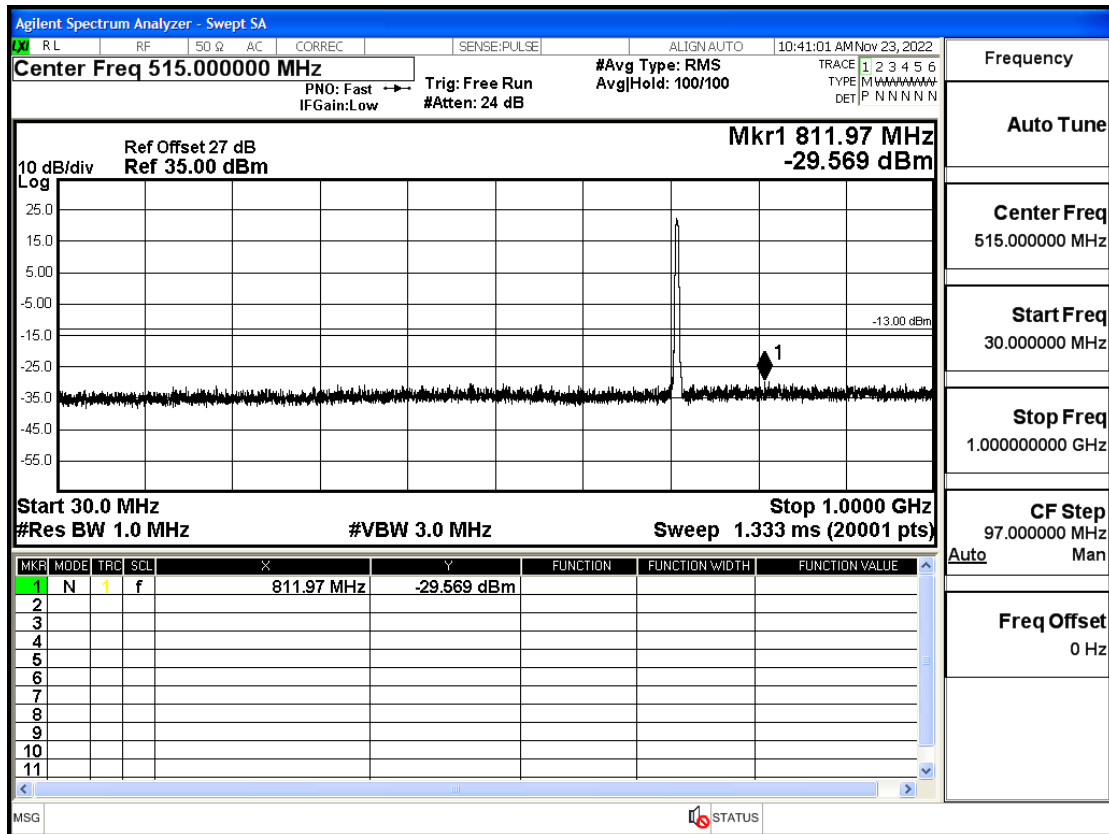
OB12-3-707.5-Q16-15#LOW@30mHz-1GHz@Pass



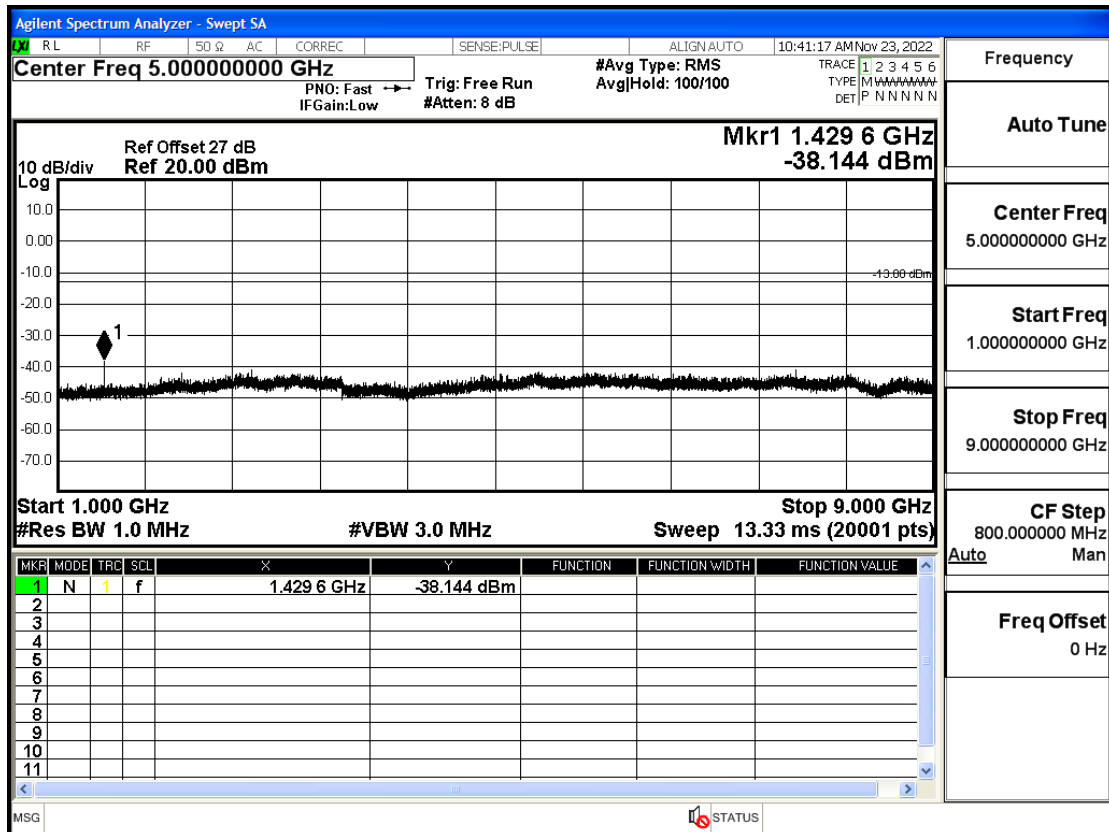
OB12-3-707.5-Q16-15#LOW@1GHz-9GHz@Pass



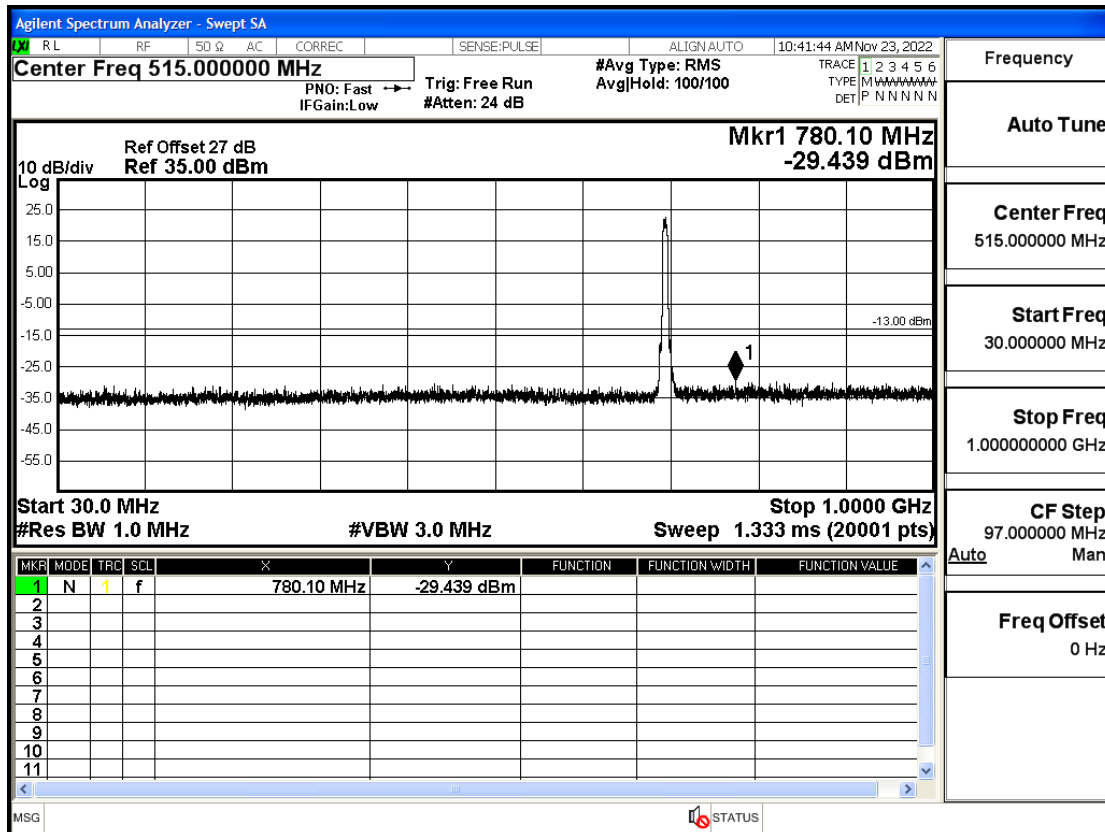
OB12-3-714.5-Q16-15#LOW@30mHz-1GHz@Pass



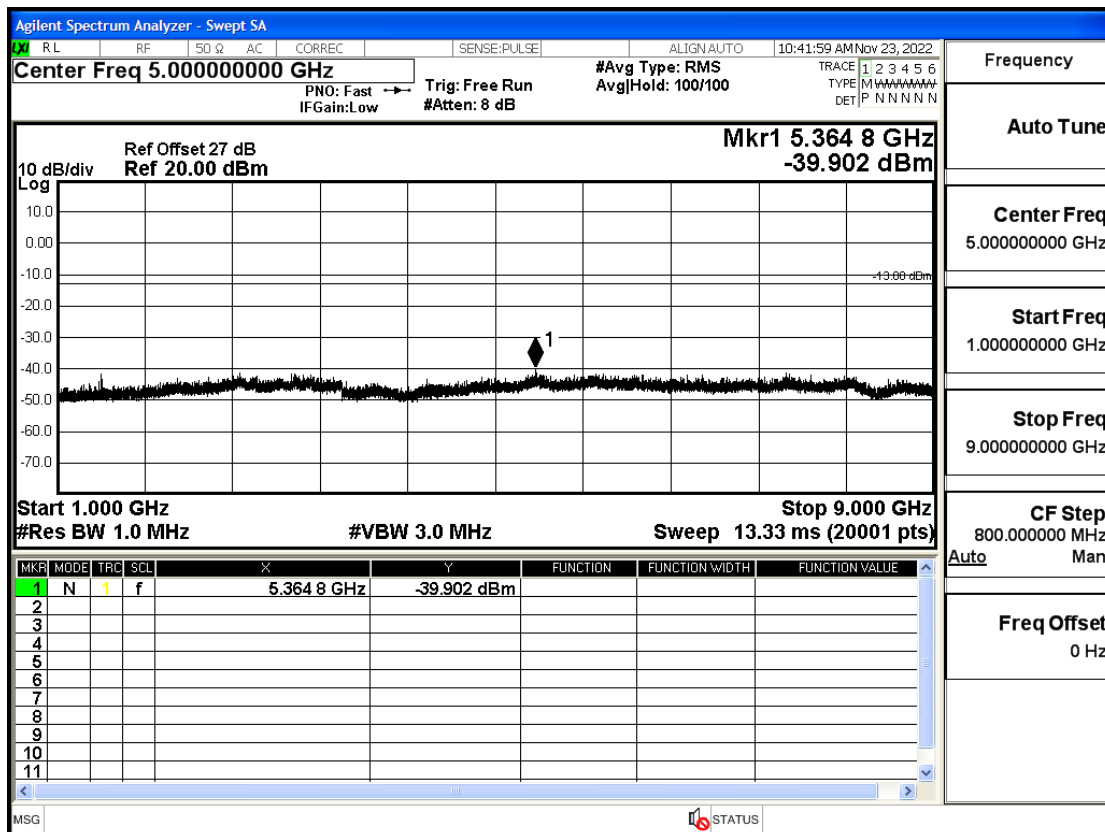
OB12-3-714.5-Q16-15#LOW@1GHz-9GHz@Pass



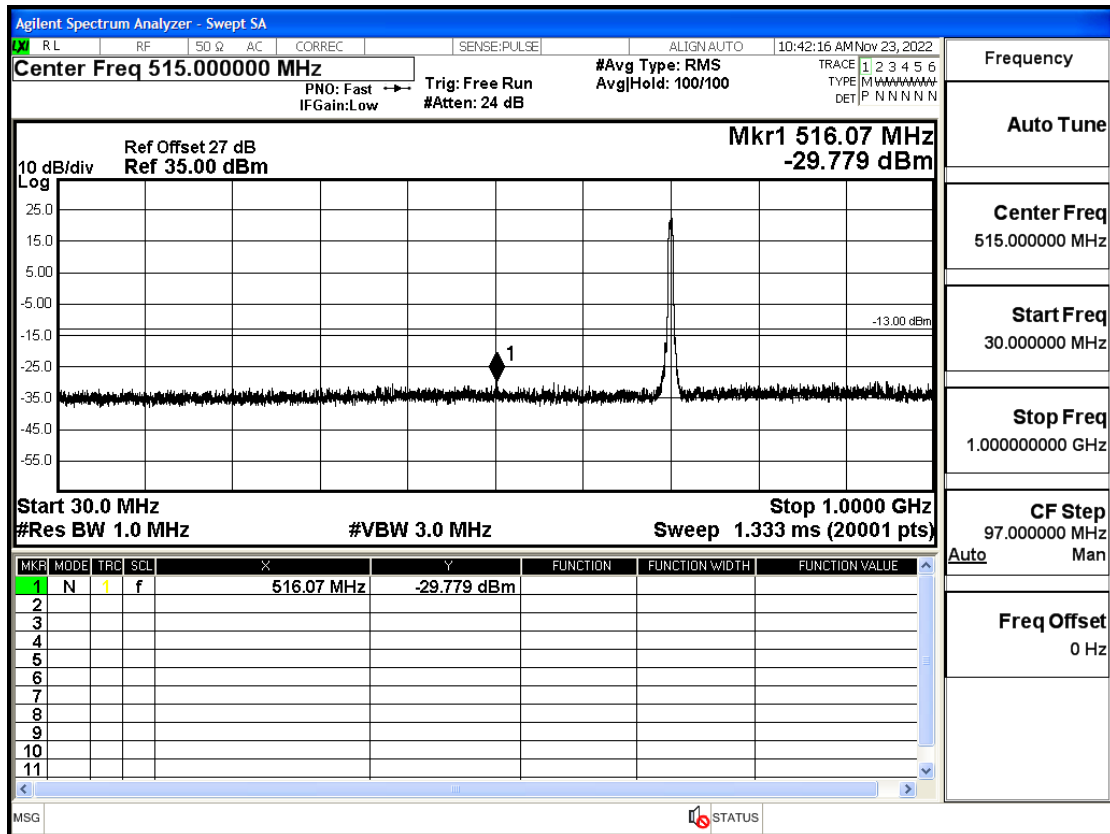
OB12-5-701.5-Q16-25#LOW@30mHz-1GHz@Pass



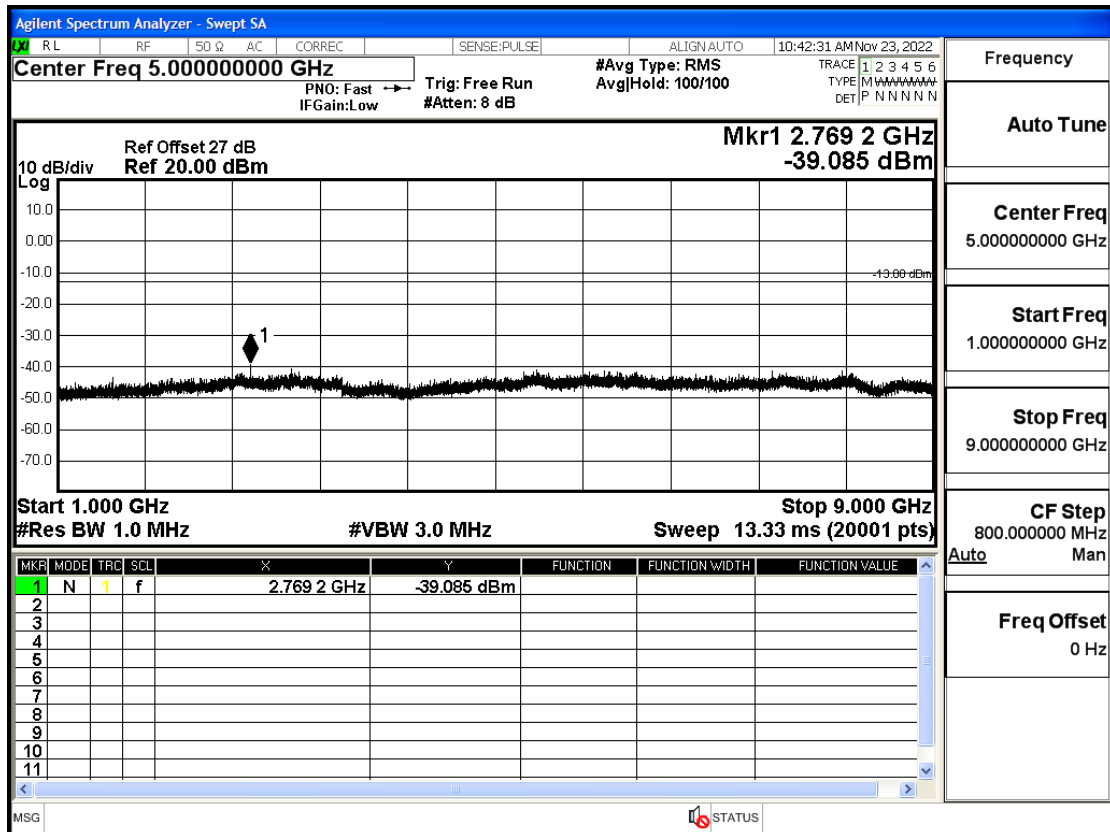
OB12-5-701.5-Q16-25#LOW@1GHz-9GHz@Pass



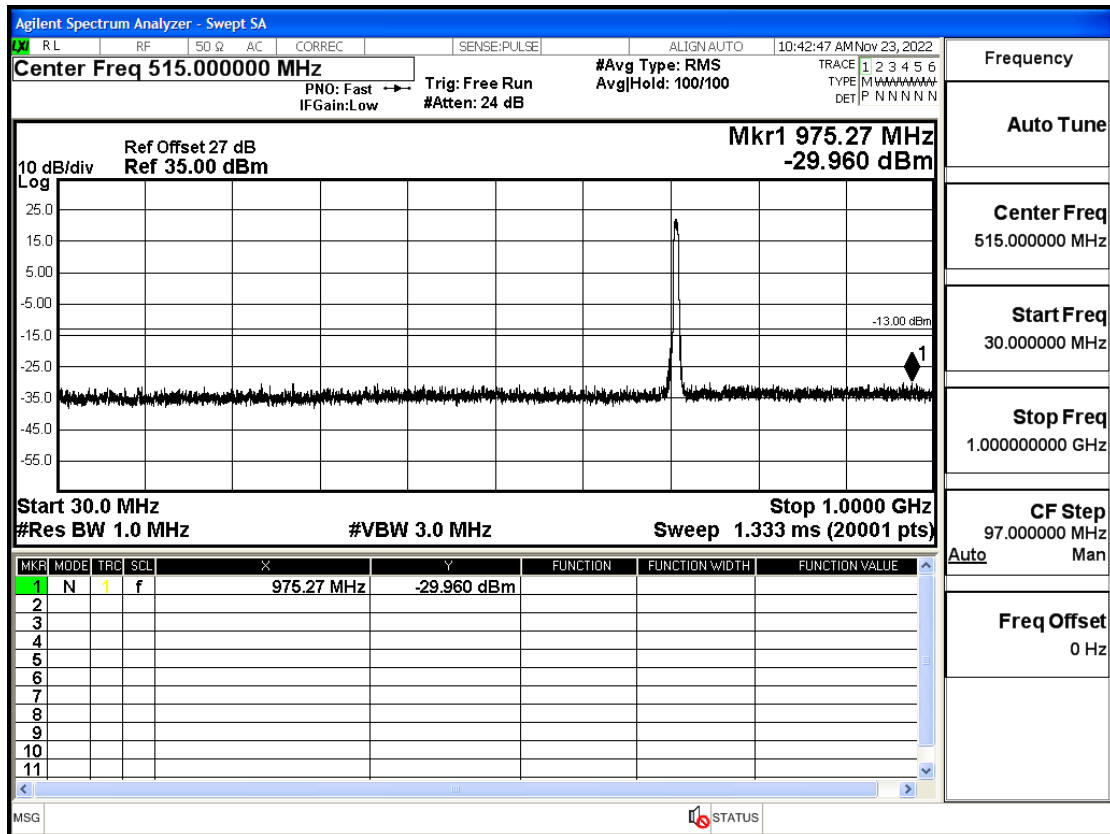
OB12-5-707.5-Q16-25#LOW@30mHz-1GHz@Pass



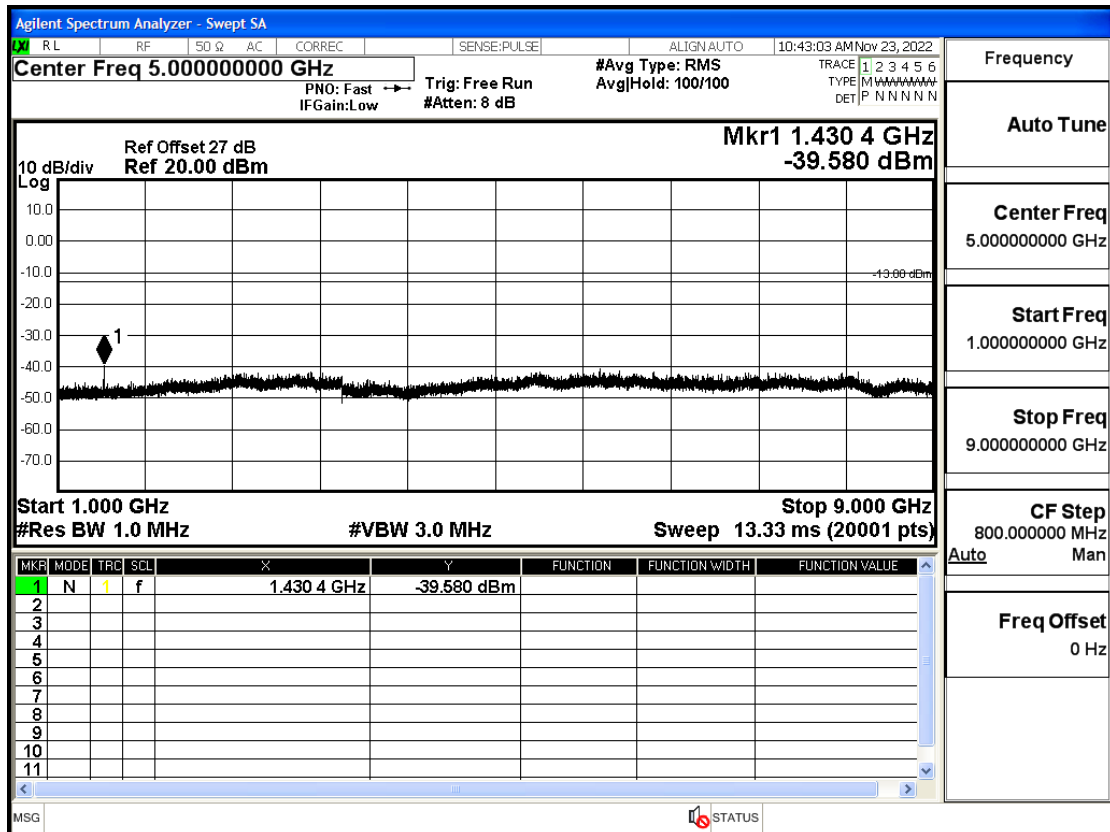
OB12-5-707.5-Q16-25#LOW@1GHz-9GHz@Pass



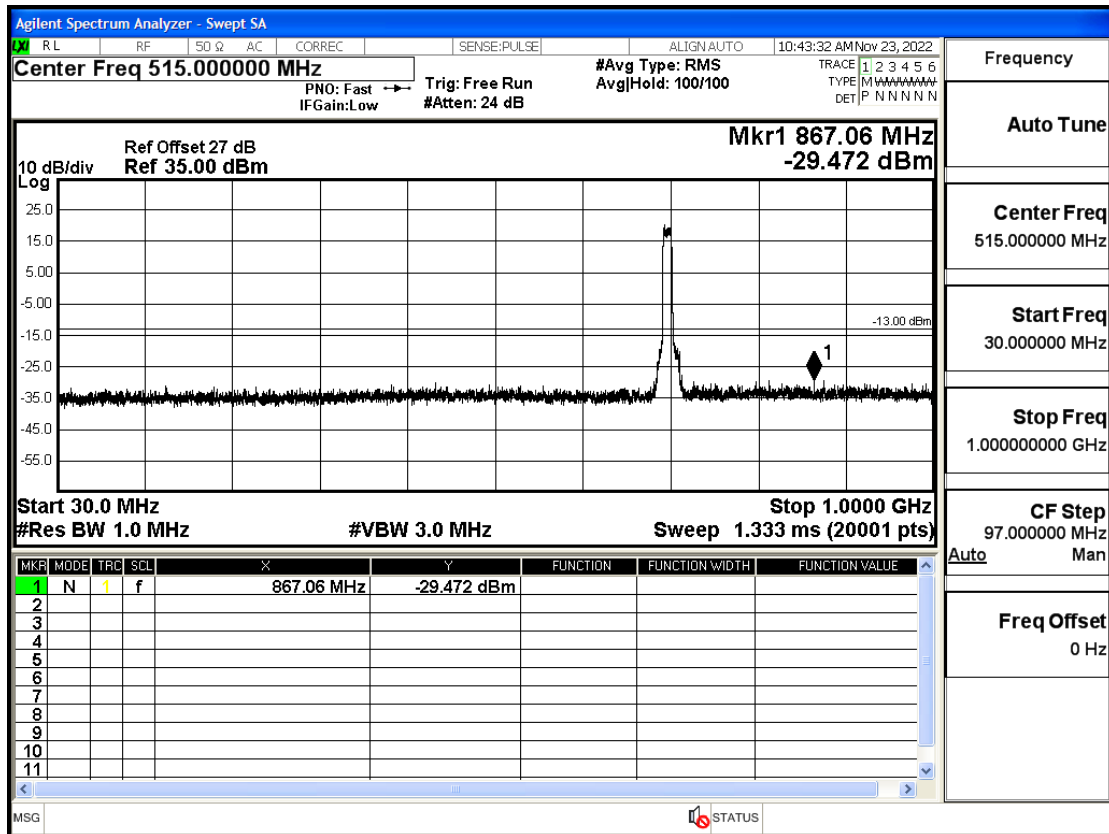
OB12-5-713.5-Q16-25#LOW@30mHz-1GHz@Pass



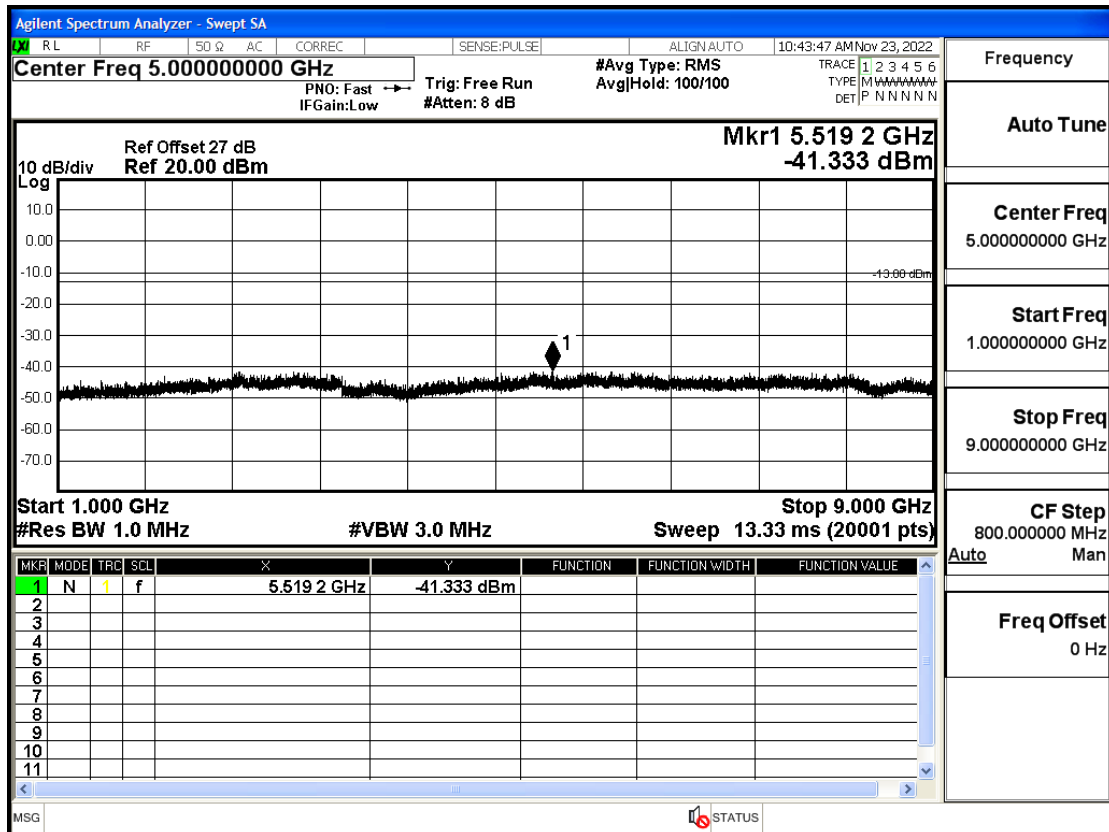
OB12-5-713.5-Q16-25#LOW@1GHz-9GHz@Pass



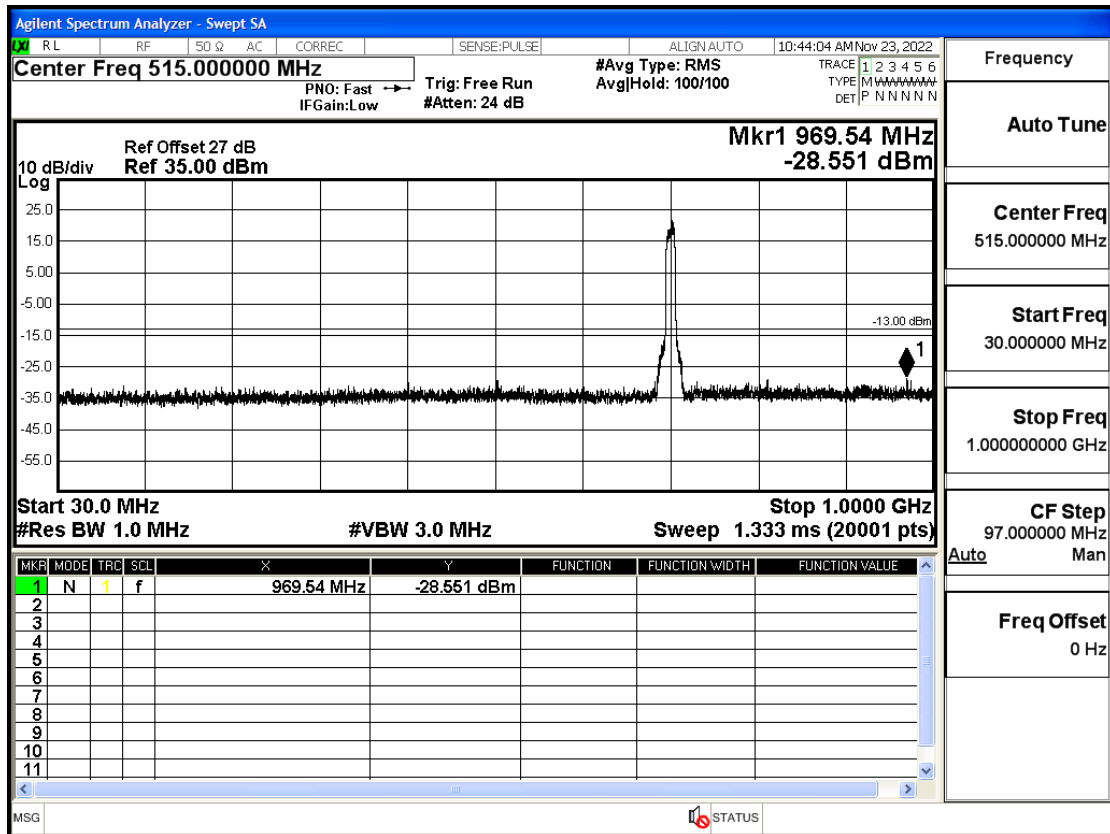
OB12-10-704-Q16-50#LOW@30mHz-1GHz@Pass



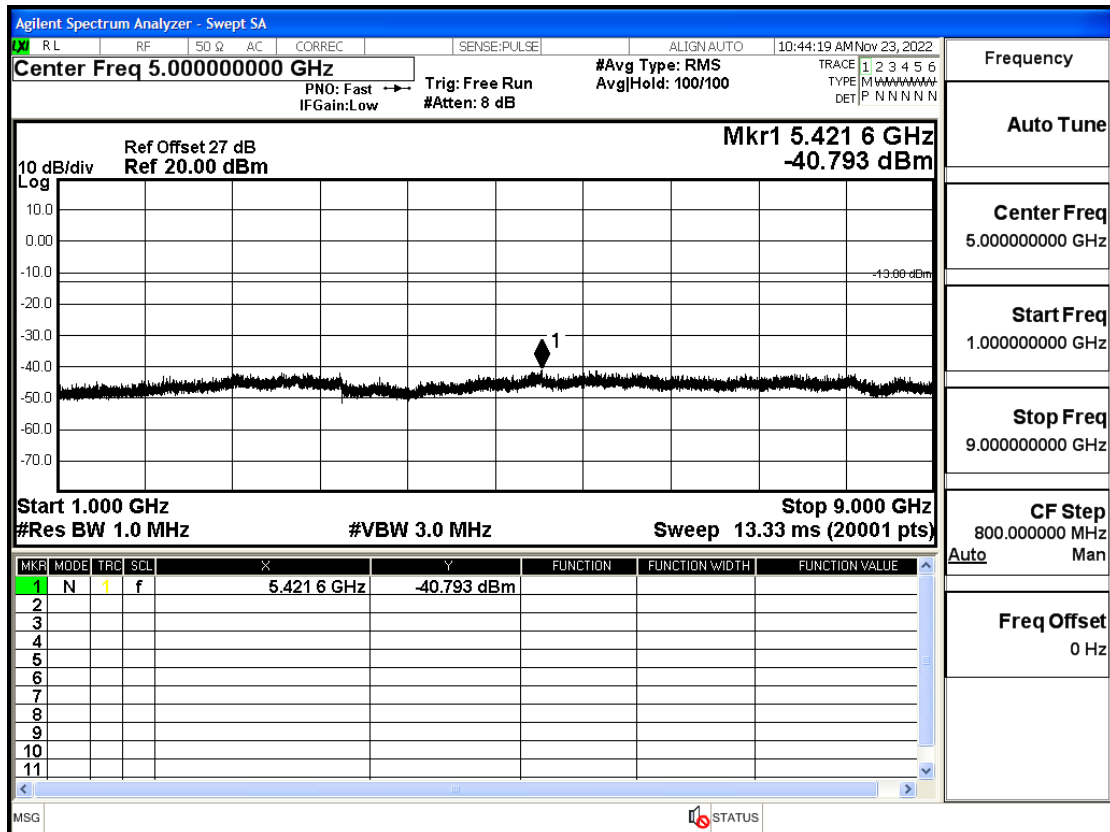
OB12-10-704-Q16-50#LOW@1GHz-9GHz@Pass



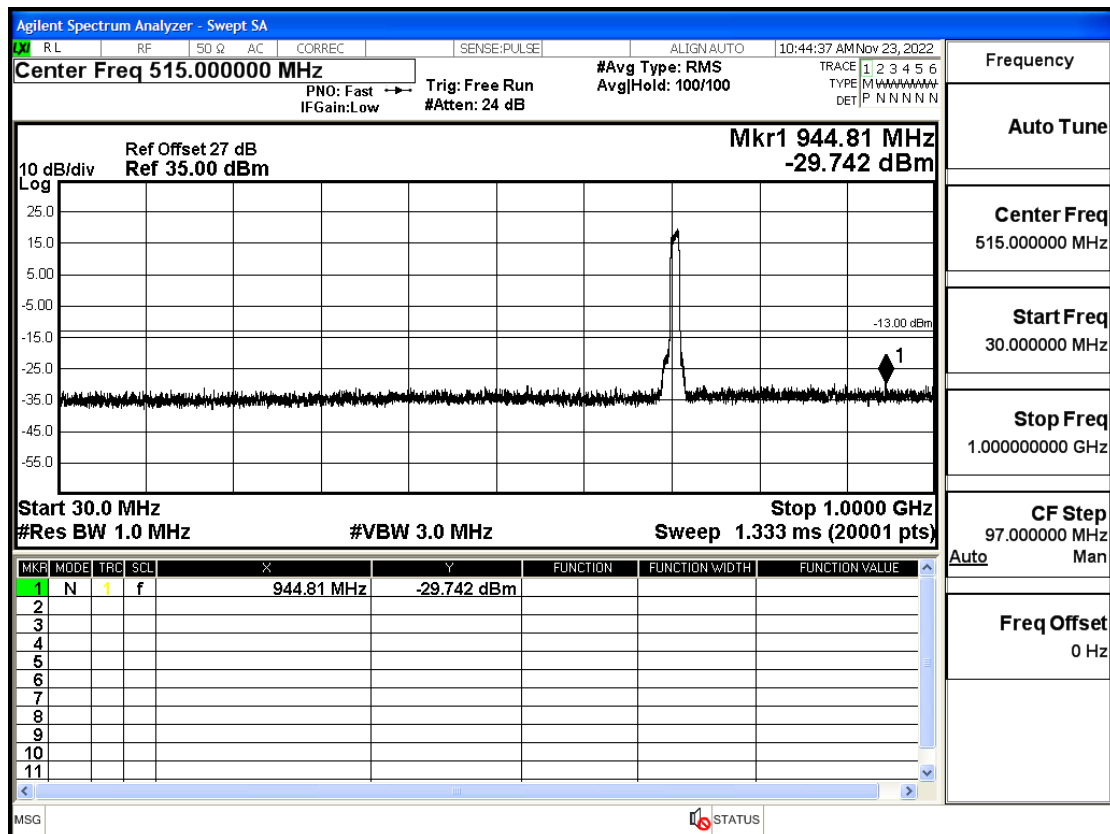
OB12-10-707.5-Q16-50#LOW@30mHz-1GHz@Pass



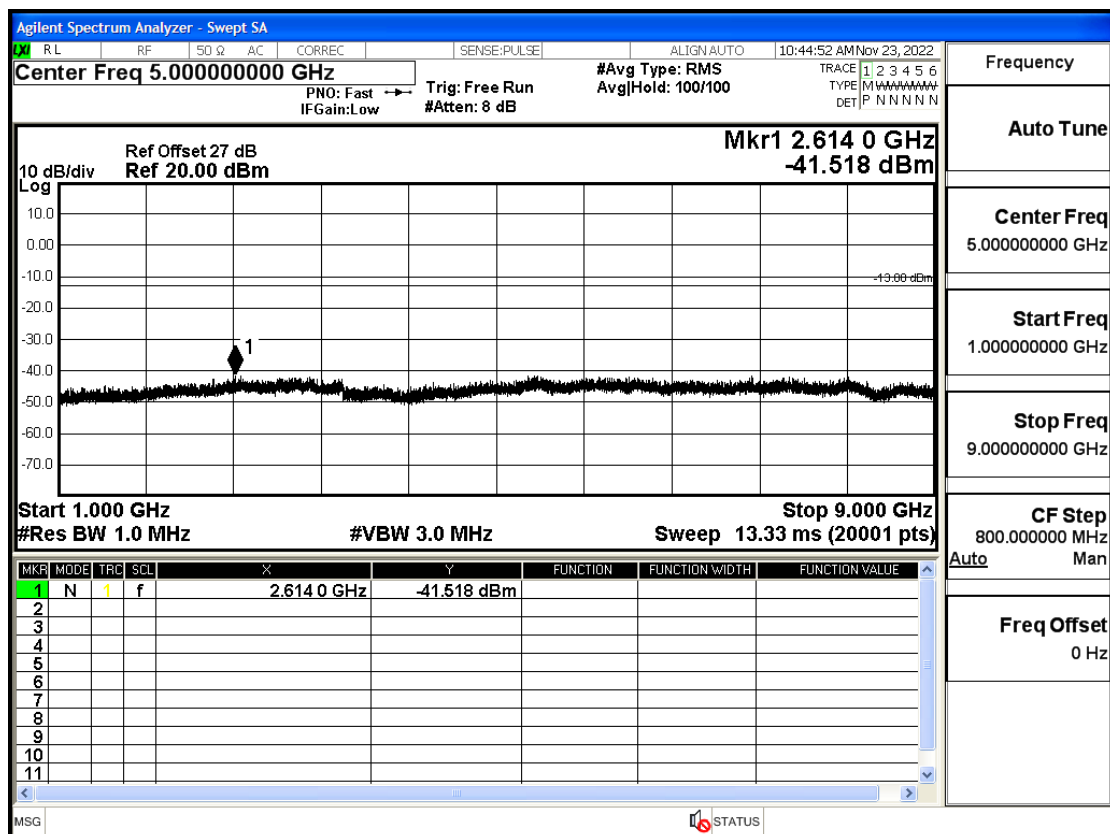
OB12-10-707.5-Q16-50#LOW@1GHz-9GHz@Pass



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



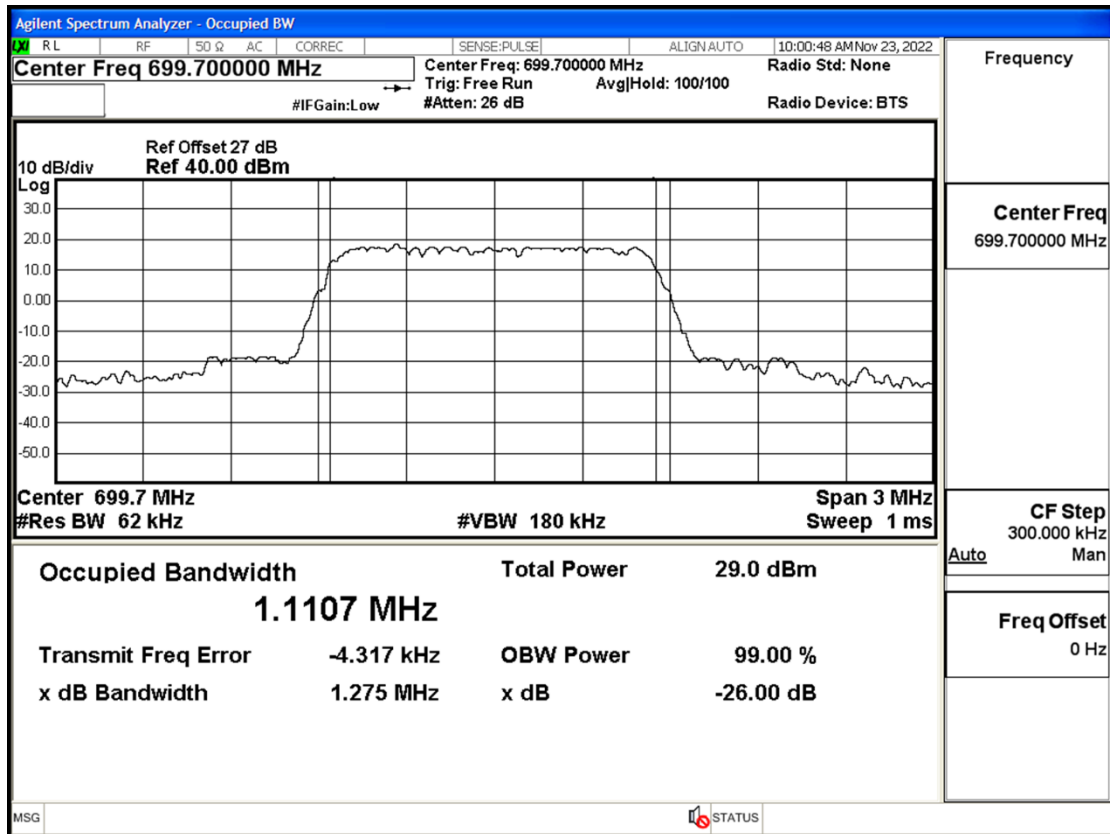
OB12-10-711-Q16-50#LOW@1GHz-9GHz@Pass



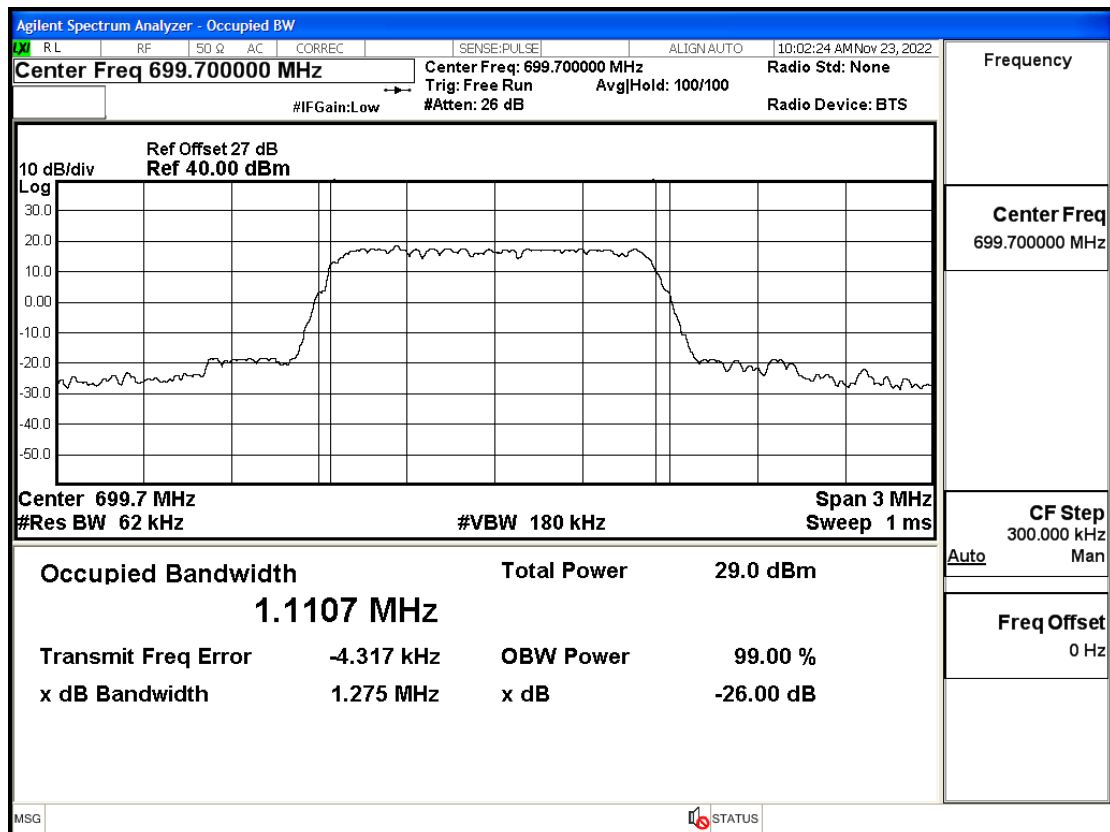
Emission bandwidth and OBW

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	2969.6	3000	No limit
Band12	1.4	699.7	16QAM	6	LOW	1110.7	1275	No limit
Band12	1.4	707.5	QPSK	6	LOW	1119.7	1296	No limit
Band12	1.4	707.5	16QAM	6	LOW	1115.9	1274	No limit
Band12	1.4	715.3	QPSK	6	LOW	1114.5	1287	No limit
Band12	1.4	715.3	16QAM	6	LOW	1126.4	1298	No limit
Band12	3	700.5	QPSK	15	LOW	2762.1	3110	No limit
Band12	3	700.5	16QAM	15	LOW	2750.3	3071	No limit
Band12	3	707.5	QPSK	15	LOW	2762.1	3082	No limit
Band12	3	707.5	16QAM	15	LOW	2767.9	3115	No limit
Band12	3	714.5	QPSK	15	LOW	2756.3	3096	No limit
Band12	3	714.5	16QAM	15	LOW	2759.8	3085	No limit
Band12	5	701.5	QPSK	25	LOW	4599.8	5035	No limit
Band12	5	701.5	16QAM	25	LOW	4559	5033	No limit
Band12	5	707.5	QPSK	25	LOW	4577.7	5074	No limit
Band12	5	707.5	16QAM	25	LOW	4592.6	5059	No limit
Band12	5	713.5	QPSK	25	LOW	4571.1	5030	No limit
Band12	5	713.5	16QAM	25	LOW	4550.2	5044	No limit
Band12	10	704	QPSK	50	LOW	9143.2	10050	No limit
Band12	10	704	16QAM	50	LOW	9130.1	10090	No limit
Band12	10	707.5	QPSK	50	LOW	9105.6	10120	No limit
Band12	10	707.5	16QAM	50	LOW	9099.8	10090	No limit
Band12	10	711	QPSK	50	LOW	9060.5	10100	No limit
Band12	10	711	16QAM	50	LOW	9067.7	10010	No limit

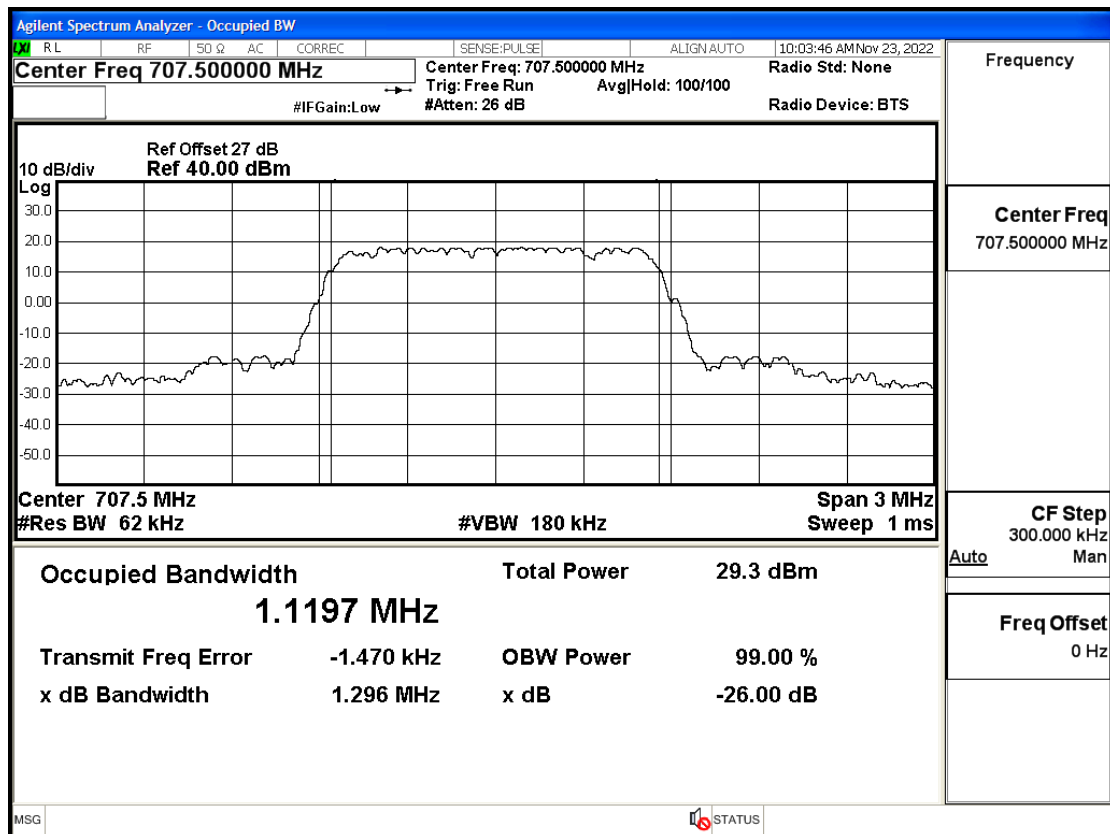
Band12-1.4-699.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



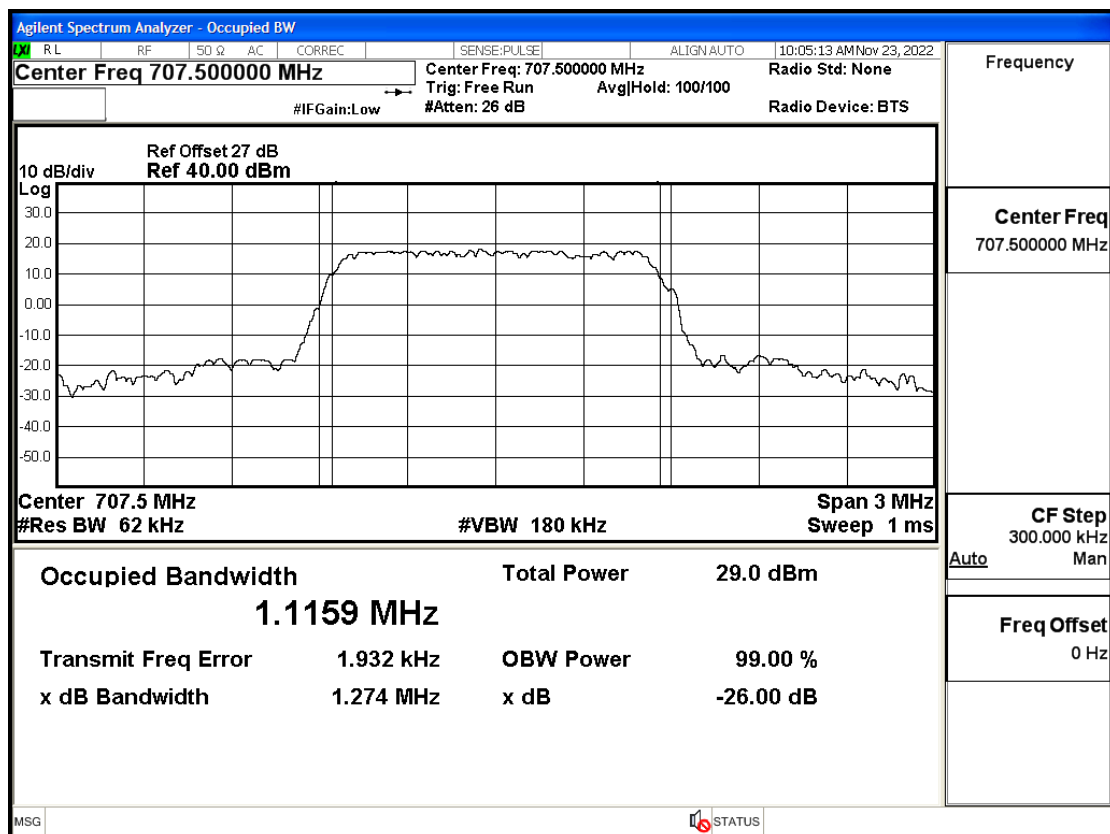
Band12-1.4-699.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



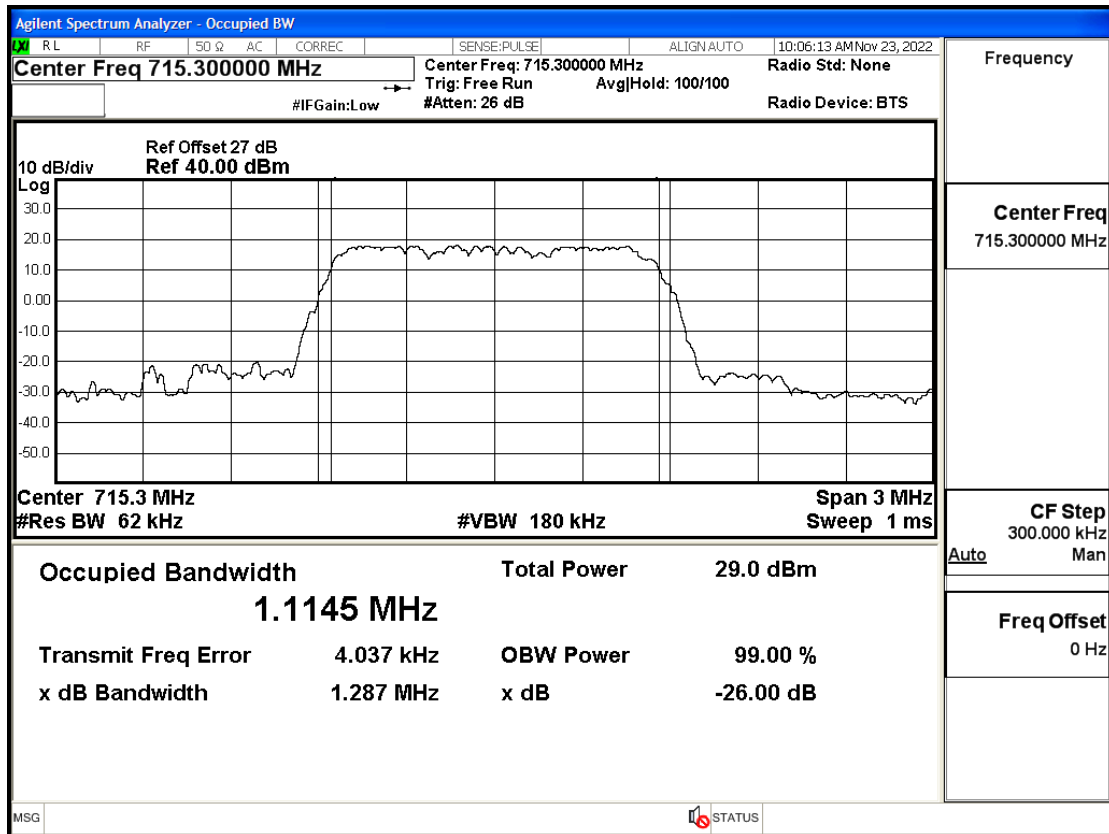
Band12-1.4-707.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



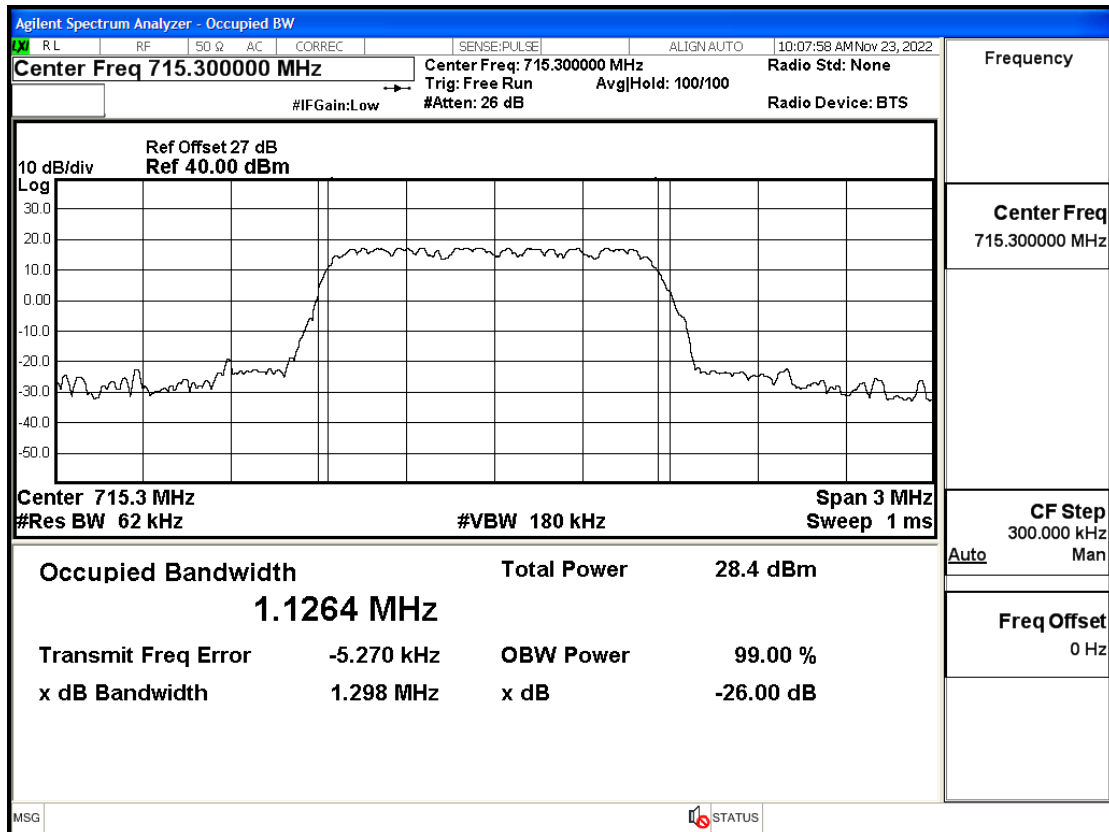
Band12-1.4-707.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



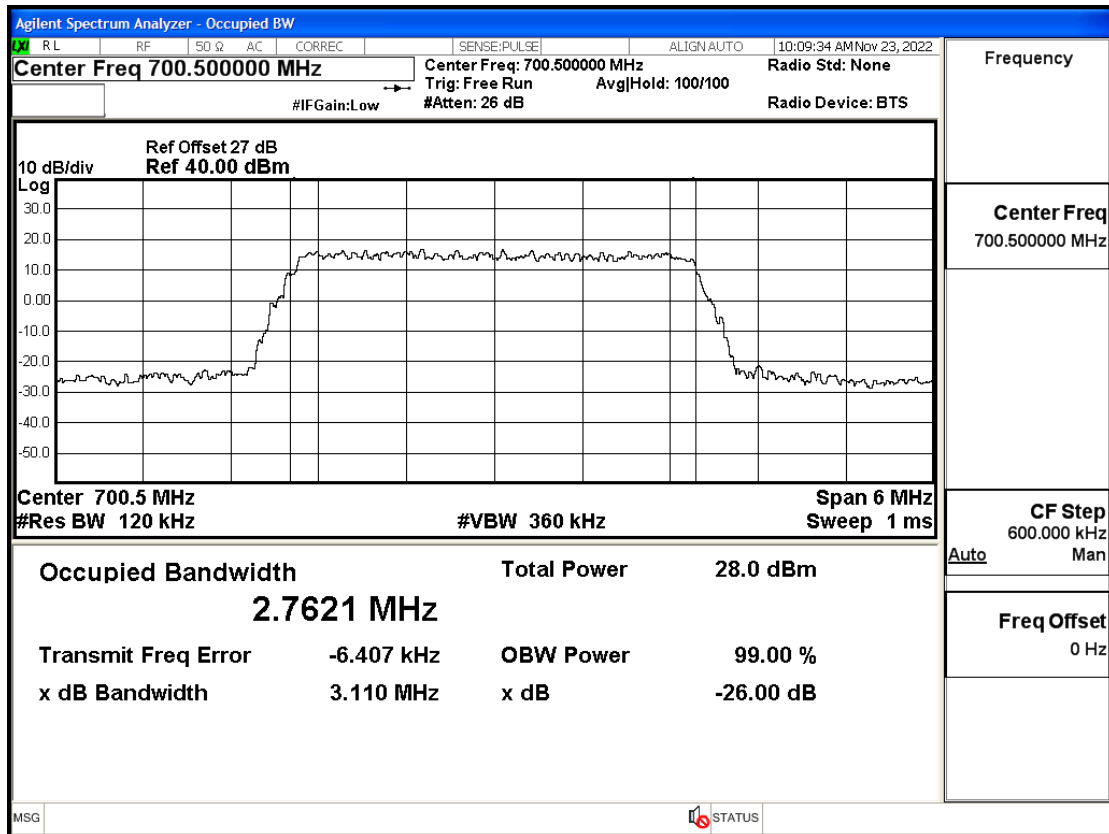
Band12-1.4-715.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



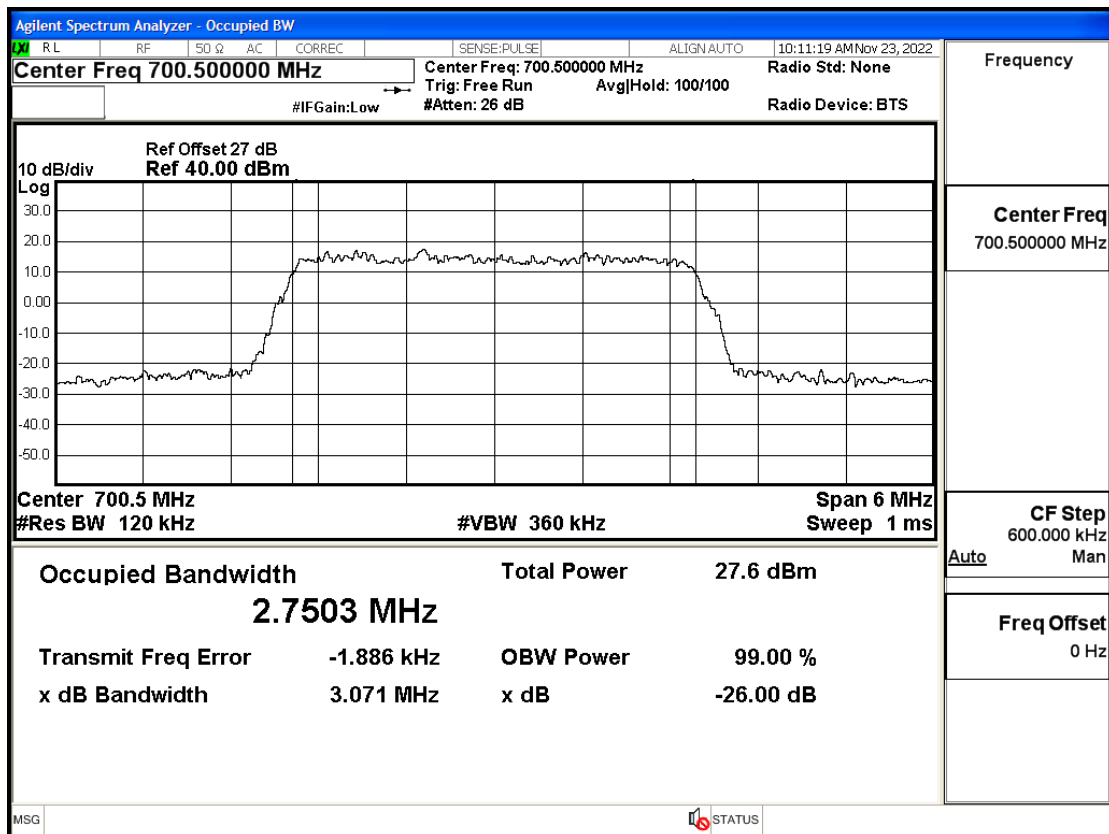
Band12-1.4-715.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



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



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



Agilent Spectrum Analyzer - Occupied BW

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN:AUTO 10:12:47 AM Nov 23, 2022

Center Freq 707.500000 MHz Center Freq: 707.500000 MHz Radio Std: None
 Trig: Free Run Avg/Hold: 100/100
 #IFGain: Low #Atten: 26 dB Radio Device: BTS

Ref Offset 27 dB
 Ref 40.00 dBm

10 dB/div
 Log

Center 707.5 MHz Span 6 MHz
 #Res BW 120 kHz #VBW 360 kHz Sweep 1 ms

Occupied Bandwidth		Total Power	
2.7621 MHz		28.2 dBm	

Transmit Freq Error		OBW Power	
1.527 kHz	99.00 %		
x dB Bandwidth		x dB	
3.082 MHz	-26.00 dB		

CF Stop 600.000 kHz
 Auto Man

Freq Offset 0 Hz

MSG STATUS

Agilent Spectrum Analyzer - Occupied BW

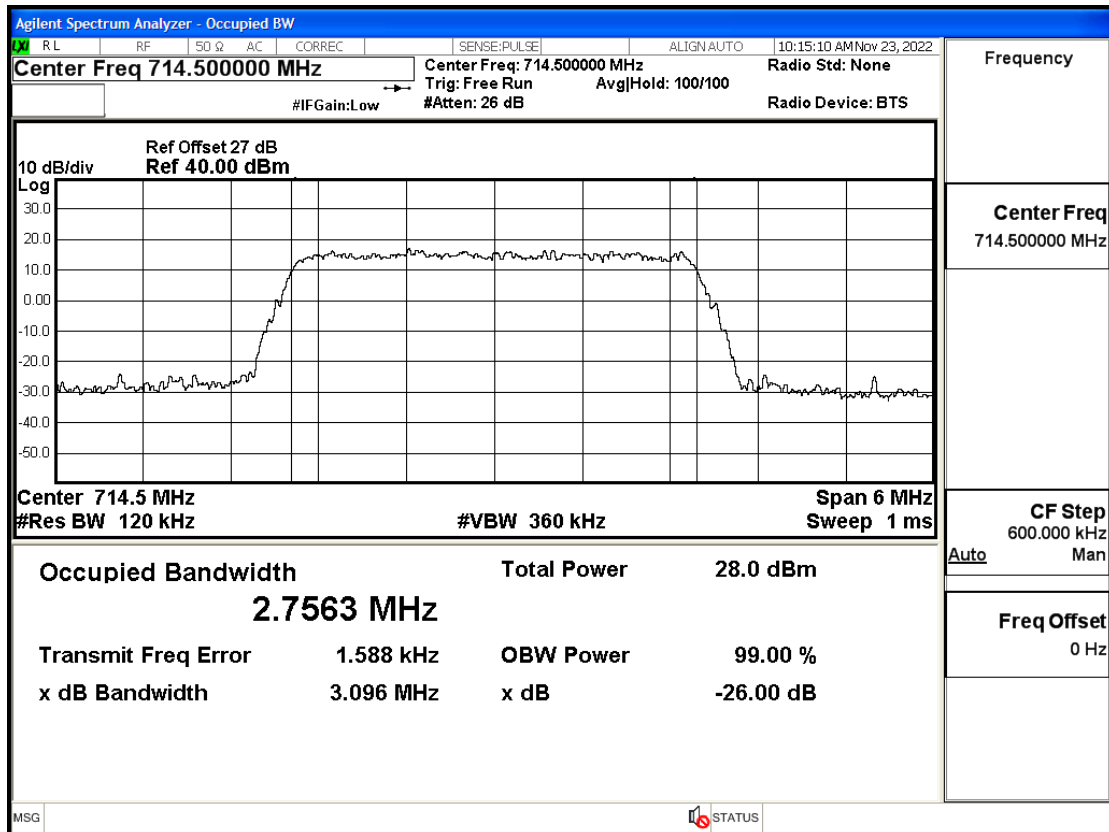
R L RF 50 Ω AC CORREC SENSE:PULSE ALIGN:AUTO 10:14:09 AM Nov 23, 2022
Center Freq 707.500000 MHz Center Freq: 707.500000 MHz Radio Std: None
 #IFGain:Low Trig: Free Run Avg|Hold: 100/100
 #Atten: 26 dB Radio Device: BTS

10 dB/div Ref Offset 27 dB
 Log Ref 40.00 dBm
 Center 707.5 MHz Span 6 MHz
 #Res BW 120 kHz #VBW 360 kHz Sweep 1 ms

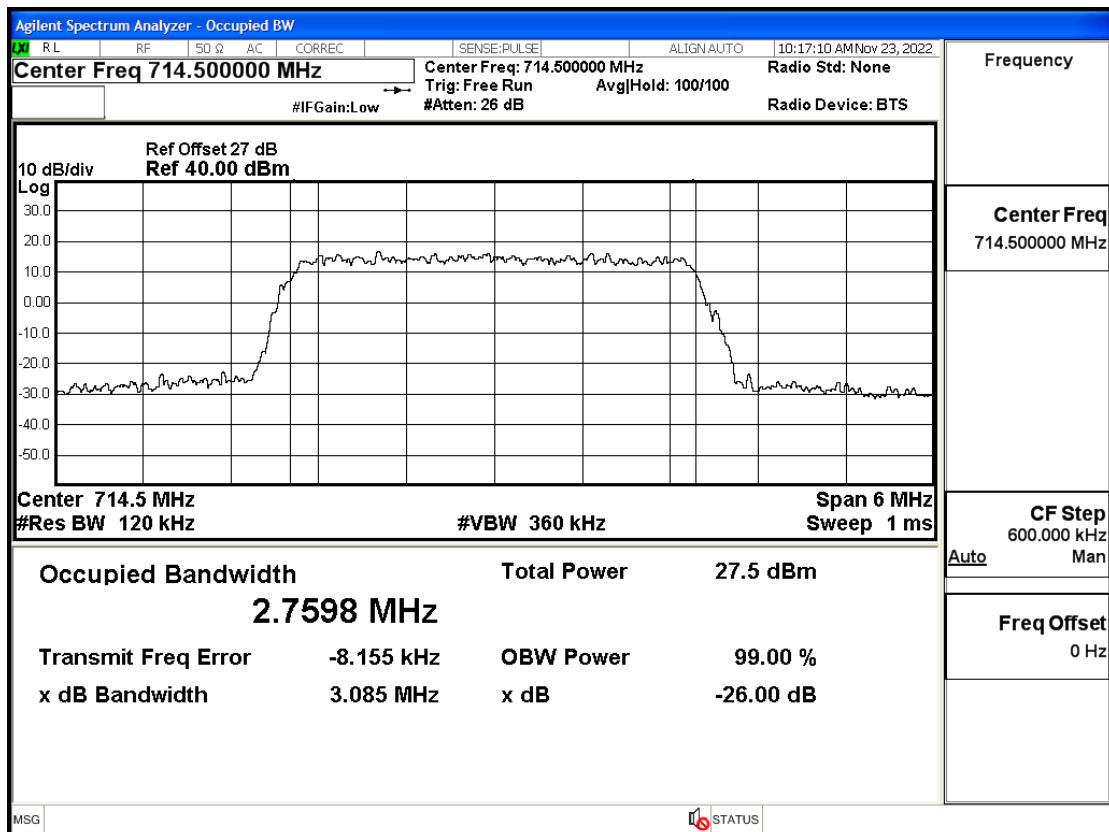
Occupied Bandwidth	Total Power		27.7 dBm
2.7679 MHz			
Transmit Freq Error	5.028 kHz	OBW Power	99.00 %
x dB Bandwidth	3.115 MHz	x dB	-26.00 dB

MSG STATUS
 Auto Man
 Freq Offset 0 Hz

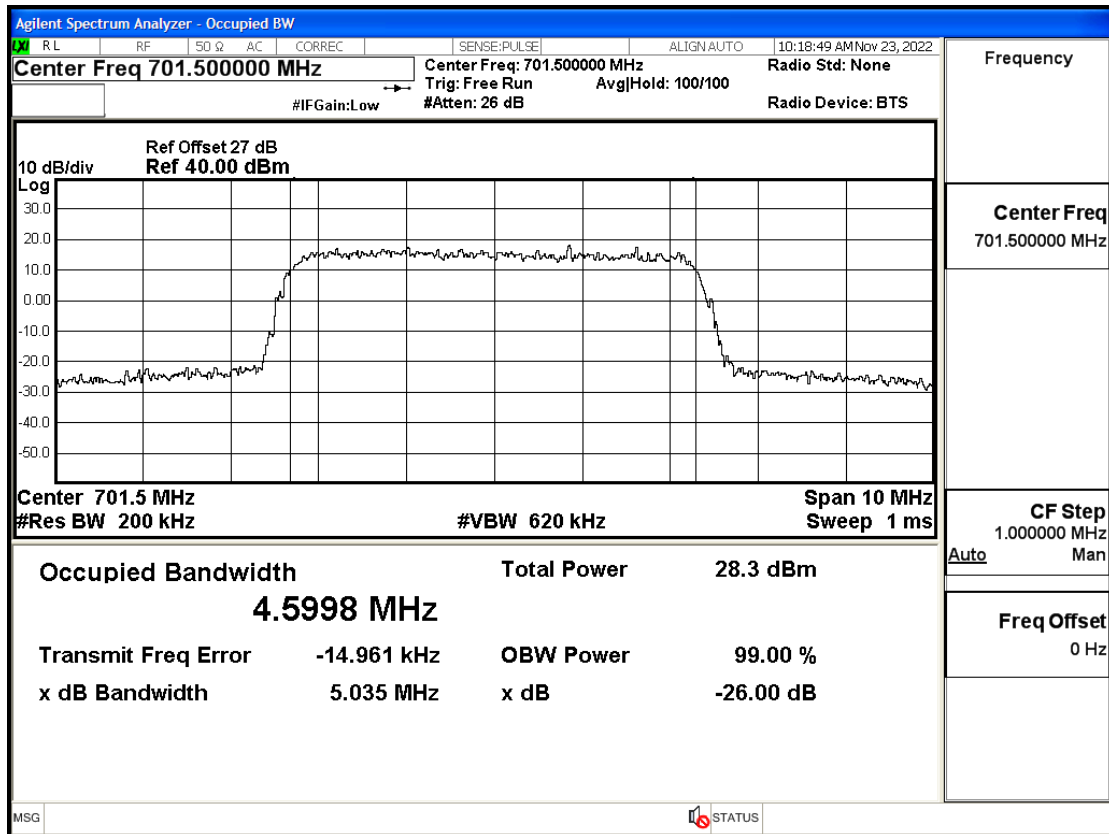
Band12-3-714.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



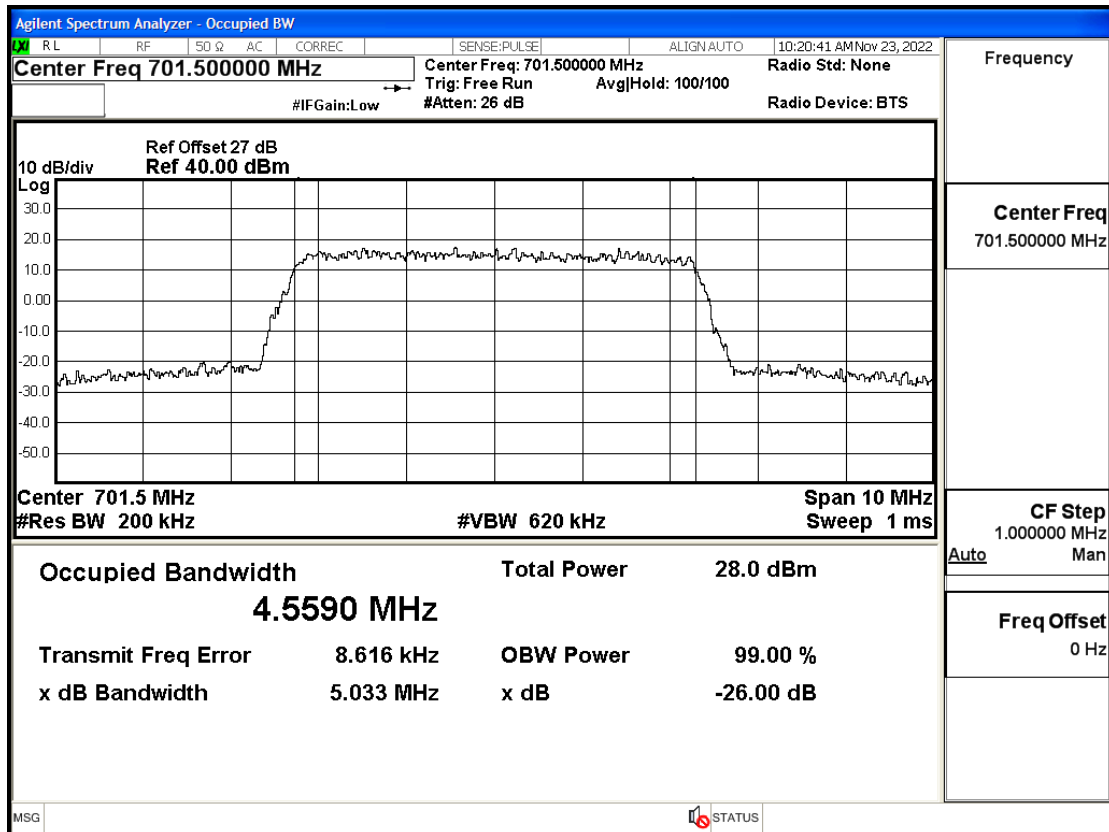
Band12-3-714.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



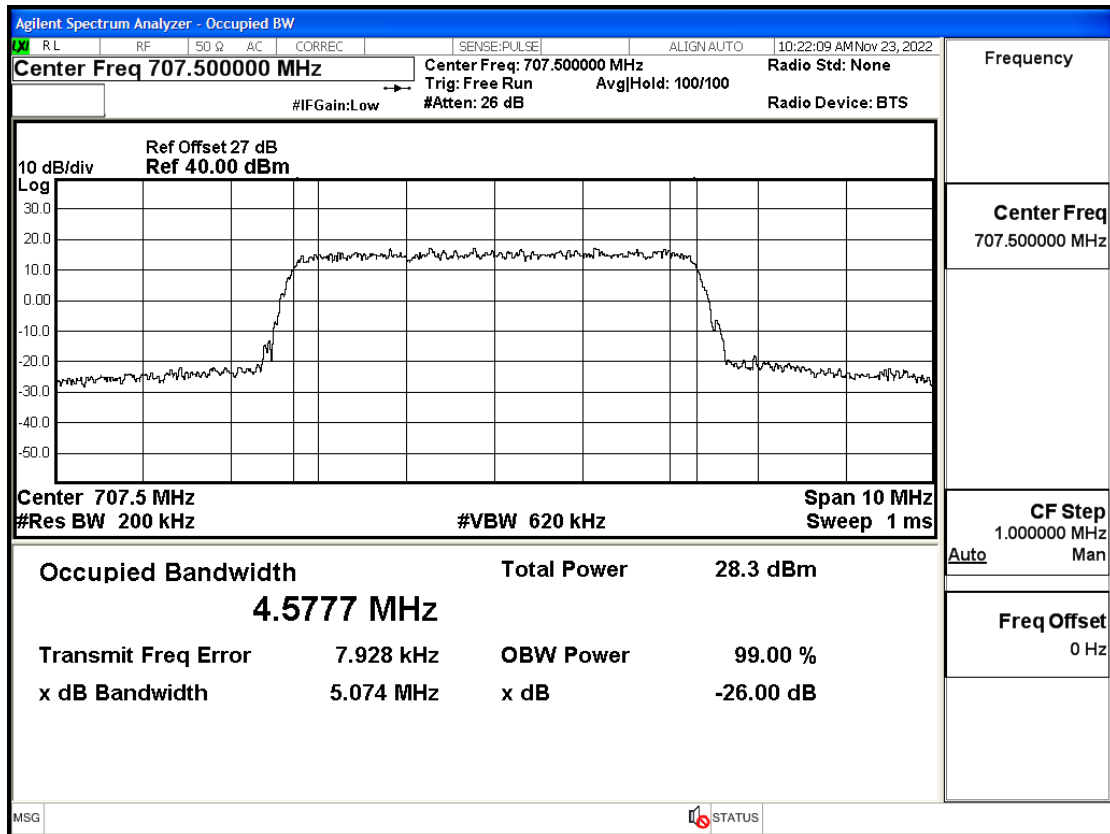
Band12-5-701.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



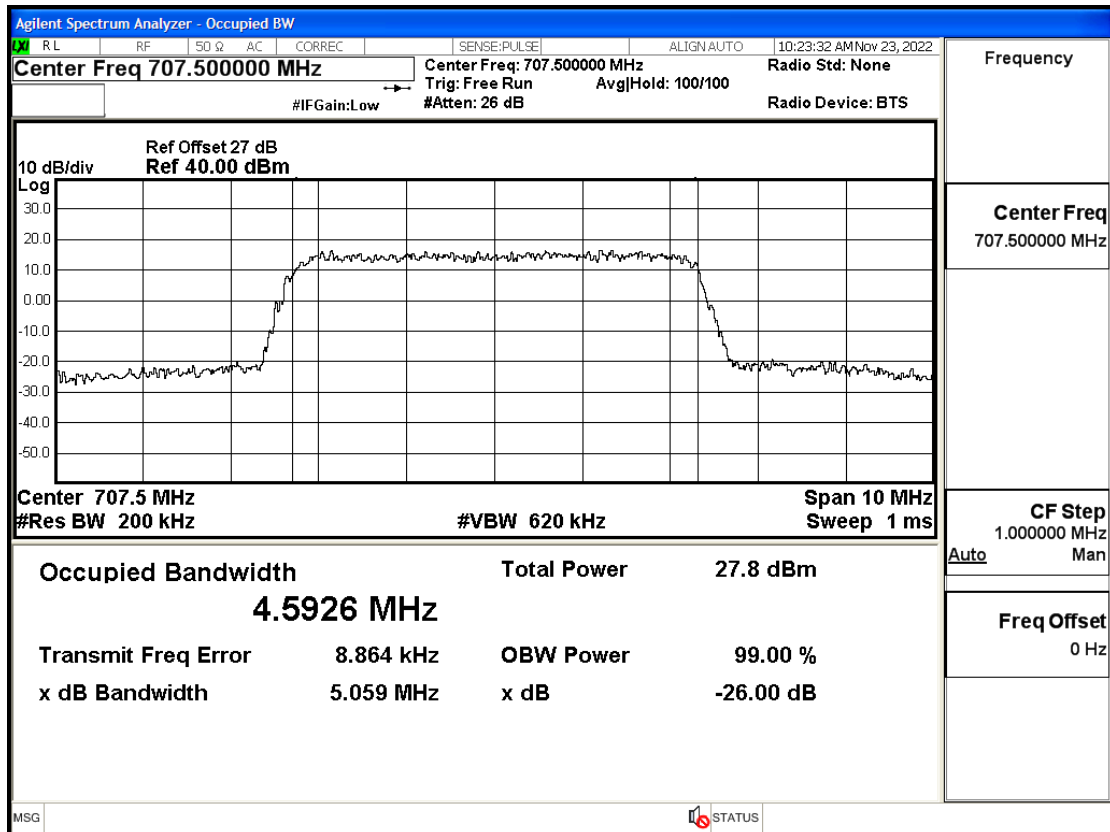
Band12-5-701.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



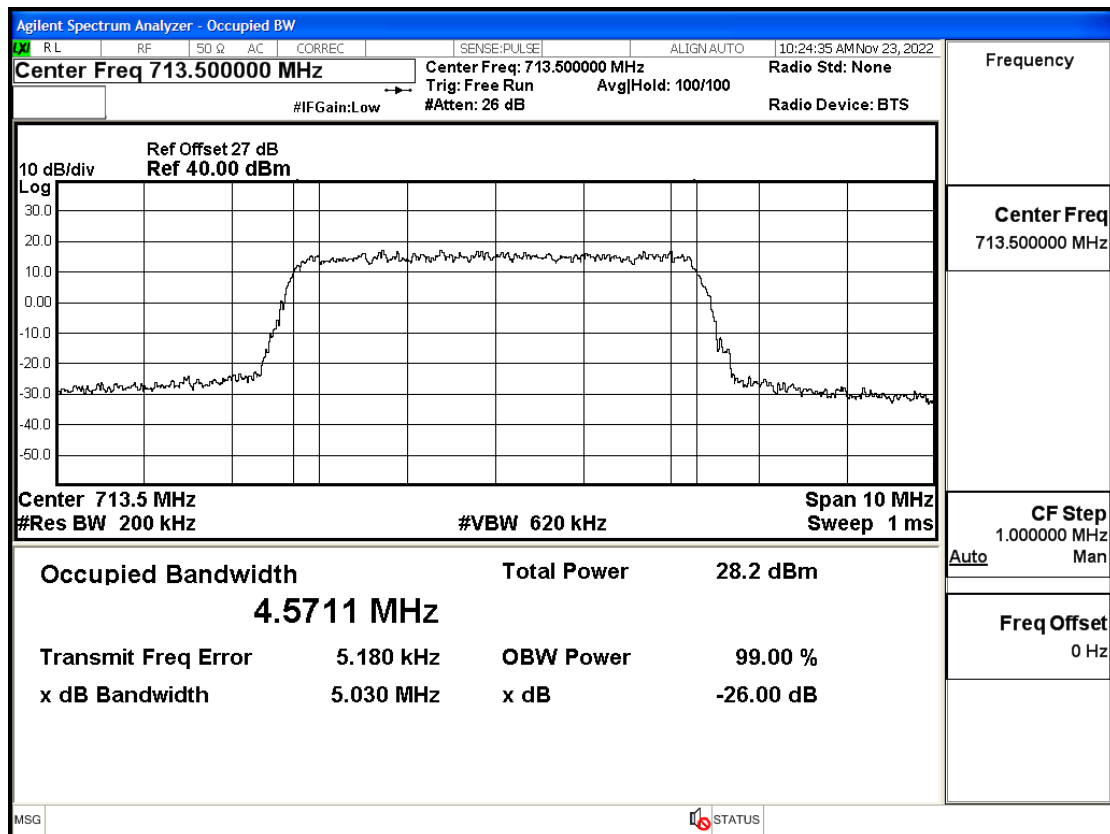
Band12-5-707.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



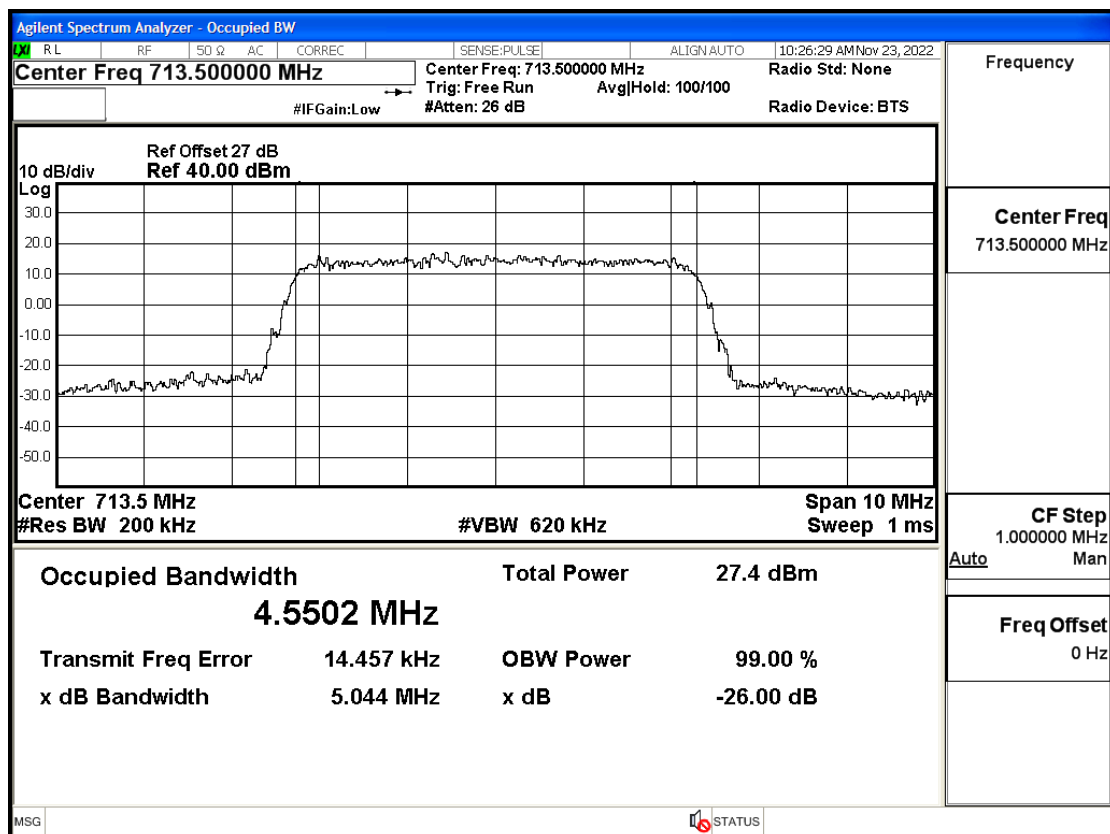
Band12-5-707.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



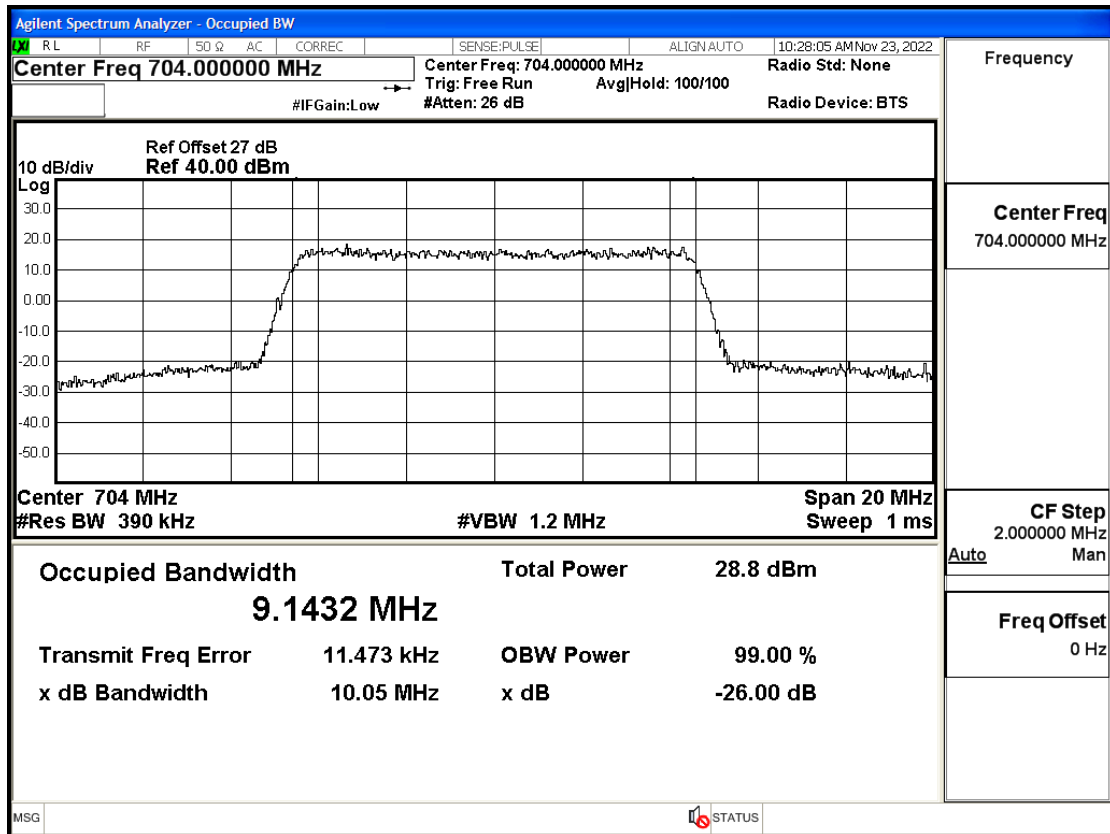
Band12-5-713.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



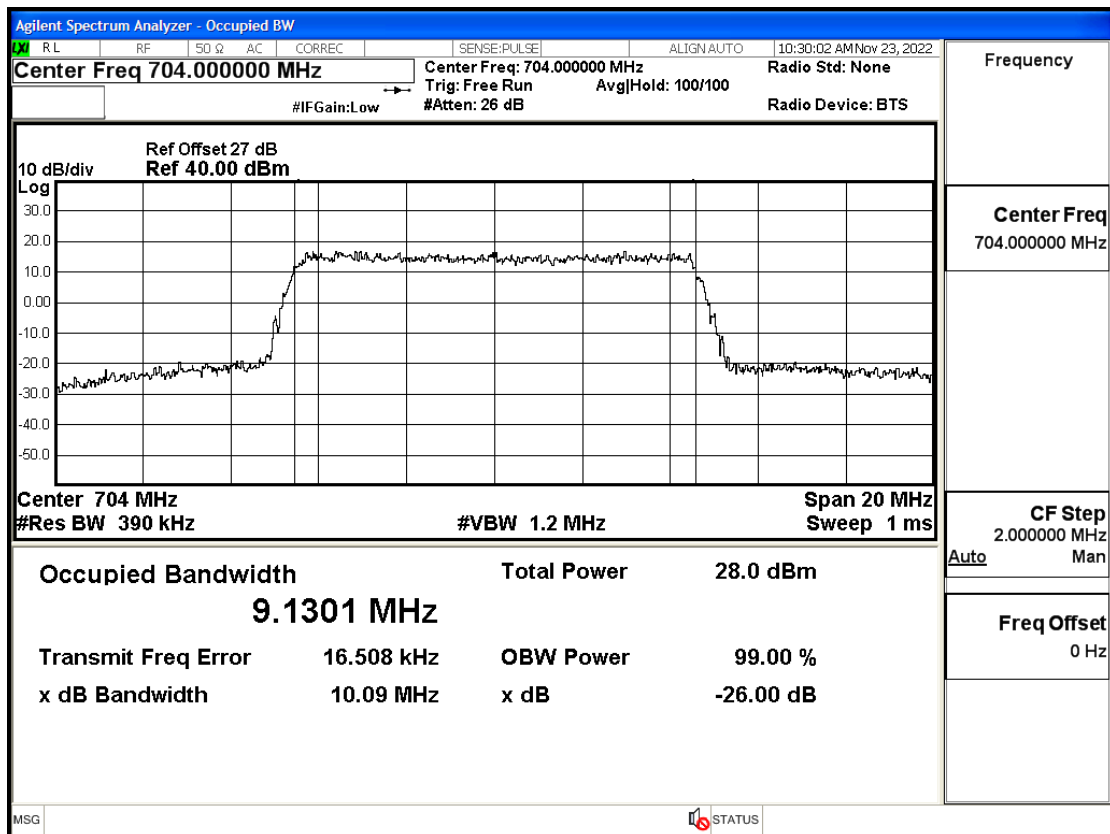
Band12-5-713.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



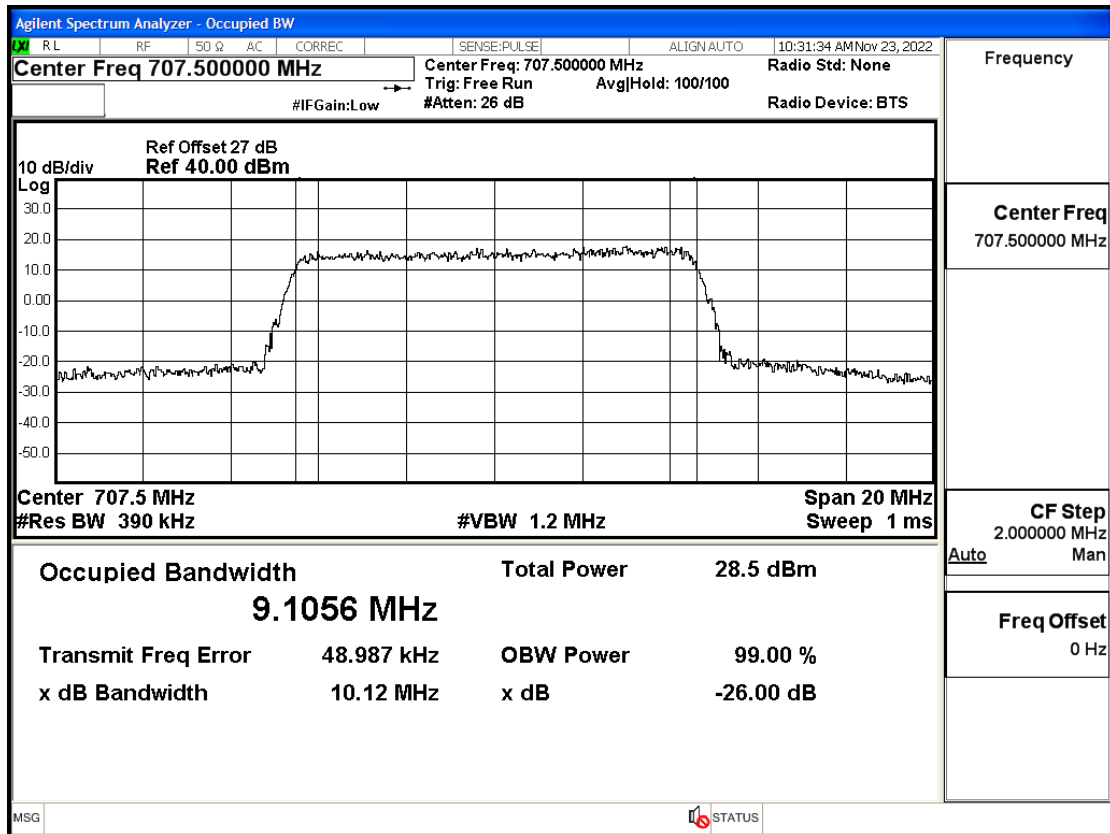
Band12-10-704-QPSK-50#LOW@26dB and 99PCT Bandwidth



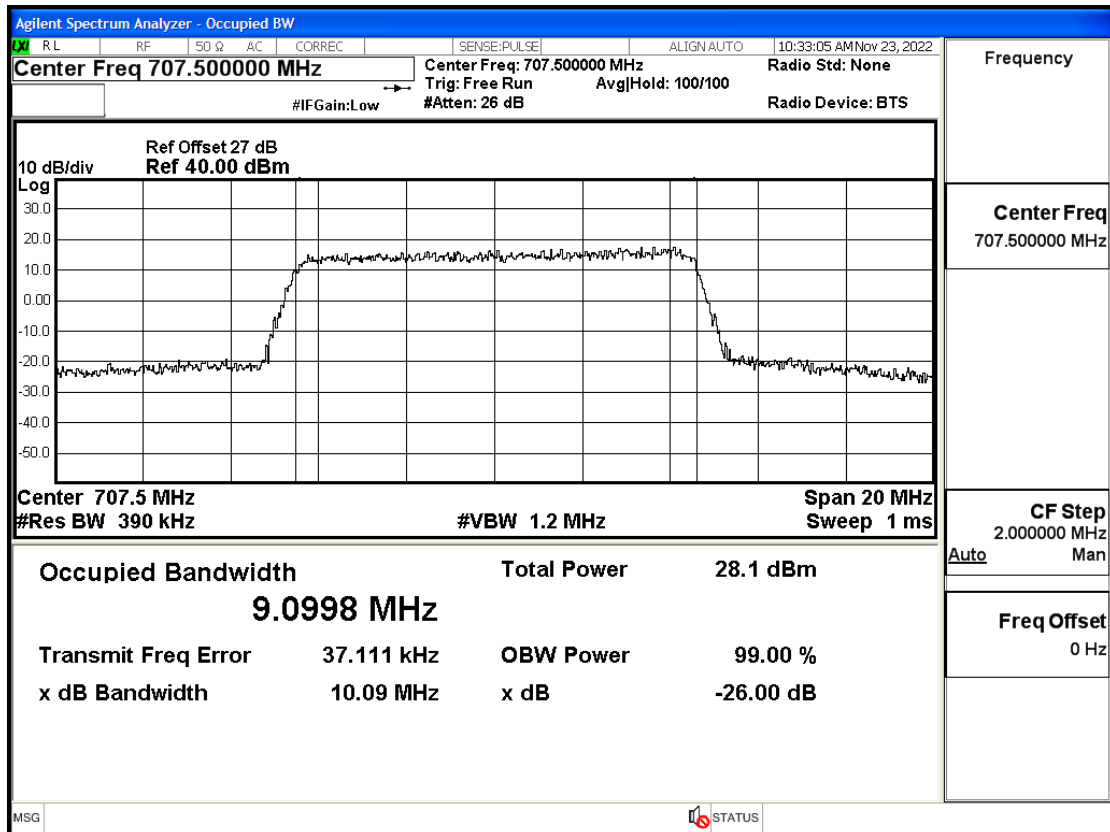
Band12-10-704-16QAM-50#LOW@26dB and 99PCT Bandwidth



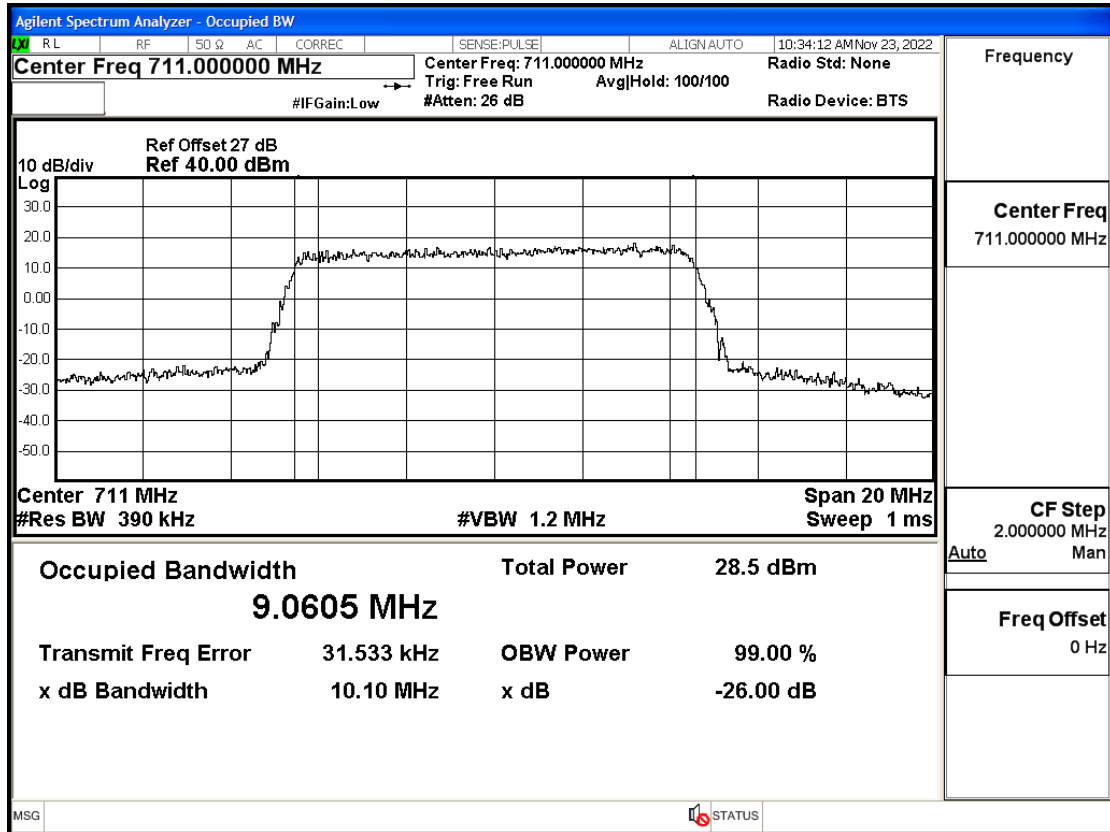
Band12-10-707.5-QPSK-50#LOW@26dB and 99PCT Bandwidth



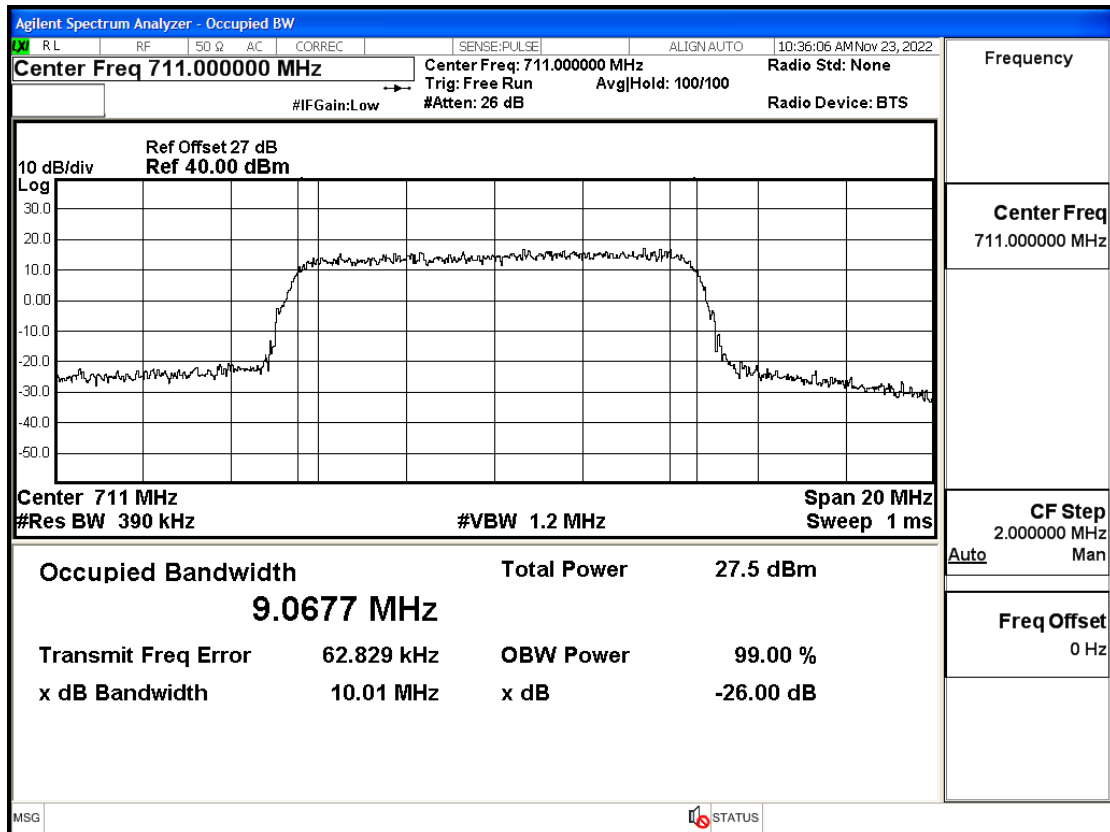
Band12-10-707.5-16QAM-50#LOW@26dB and 99PCT Bandwidth



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	0.0587	PASS
40	Normal Voltage	0.0368	
30	Normal Voltage	0.0180	
20(Ref.)	Normal Voltage	0.0284	
10	Normal Voltage	0.0659	
0	Normal Voltage	0.0178	
-10	Normal Voltage	0.0442	
-20	Normal Voltage	0.0332	
-30	Normal Voltage	0.0195	
20	Maximum Voltage	0.0168	
20	Normal Voltage	0.0247	
20	Battery End Point	0.0660	

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	22.17	27.5	5.33	13	-0.64	19.38	34.8	Pass
Band12	1.4	699.7	QPSK	3	LOW	22.44	28.11	5.67	13	-0.64	19.65	34.8	Pass
Band12	1.4	699.7	QPSK	3	MID	22.24	27.99	5.75	13	-0.64	19.45	34.8	Pass
Band12	1.4	699.7	QPSK	3	HIGH	22.41	28.21	5.8	13	-0.64	19.62	34.8	Pass
Band12	1.4	699.7	QPSK	1	LOW	22.47	27.98	5.51	13	-0.64	19.68	34.8	Pass
Band12	1.4	699.7	QPSK	1	MID	22.23	27.76	5.53	13	-0.64	19.44	34.8	Pass
Band12	1.4	699.7	QPSK	1	HIGH	22.55	27.92	5.37	13	-0.64	19.76	34.8	Pass
Band12	1.4	699.7	16QAM	6	LOW	20.87	28.4	7.53	13	-0.64	18.08	34.8	Pass
Band12	1.4	699.7	16QAM	3	LOW	21.36	28.07	6.71	13	-0.64	18.57	34.8	Pass
Band12	1.4	699.7	16QAM	3	MID	21.19	27.96	6.77	13	-0.64	18.4	34.8	Pass
Band12	1.4	699.7	16QAM	3	HIGH	21.32	28.24	6.92	13	-0.64	18.53	34.8	Pass
Band12	1.4	699.7	16QAM	1	LOW	21.38	26.52	5.14	13	-0.64	18.59	34.8	Pass
Band12	1.4	699.7	16QAM	1	MID	21.44	26.51	5.07	13	-0.64	18.65	34.8	Pass
Band12	1.4	699.7	16QAM	1	HIGH	21.51	26.7	5.19	13	-0.64	18.72	34.8	Pass
Band12	1.4	707.5	QPSK	6	LOW	21.25	27.33	6.08	13	-0.64	18.46	34.8	Pass
Band12	1.4	707.5	QPSK	3	LOW	22.63	28.41	5.78	13	-0.64	19.84	34.8	Pass
Band12	1.4	707.5	QPSK	3	MID	22.45	28.32	5.87	13	-0.64	19.66	34.8	Pass
Band12	1.4	707.5	QPSK	3	HIGH	22.4	28.15	5.75	13	-0.64	19.61	34.8	Pass
Band12	1.4	707.5	QPSK	1	LOW	22.4	27.66	5.26	13	-0.64	19.61	34.8	Pass
Band12	1.4	707.5	QPSK	1	MID	22.17	27.5	5.33	13	-0.64	19.38	34.8	Pass
Band12	1.4	707.5	QPSK	1	HIGH	22.28	27.57	5.29	13	-0.64	19.49	34.8	Pass
Band12	1.4	707.5	16QAM	6	LOW	21.07	28.02	6.95	13	-0.64	18.28	34.8	Pass
Band12	1.4	707.5	16QAM	3	LOW	21.41	27.99	6.58	13	-0.64	18.62	34.8	Pass
Band12	1.4	707.5	16QAM	3	MID	21.4	28	6.6	13	-0.64	18.61	34.8	Pass
Band12	1.4	707.5	16QAM	3	HIGH	21.41	27.97	6.56	13	-0.64	18.62	34.8	Pass
Band12	1.4	707.5	16QAM	1	LOW	21.15	26.54	5.39	13	-0.64	18.36	34.8	Pass
Band12	1.4	707.5	16QAM	1	MID	21.16	26.54	5.38	13	-0.64	18.37	34.8	Pass
Band12	1.4	707.5	16QAM	1	HIGH	21.06	26.45	5.39	13	-0.64	18.27	34.8	Pass
Band12	1.4	715.3	QPSK	6	LOW	21.17	27.41	6.24	13	-0.64	18.38	34.8	Pass
Band12	1.4	715.3	QPSK	3	LOW	22.42	28	5.58	13	-0.64	19.63	34.8	Pass
Band12	1.4	715.3	QPSK	3	MID	22.4	28.01	5.61	13	-0.64	19.61	34.8	Pass
Band12	1.4	715.3	QPSK	3	HIGH	22.39	27.98	5.59	13	-0.64	19.6	34.8	Pass
Band12	1.4	715.3	QPSK	1	LOW	22.36	27.64	5.28	13	-0.64	19.57	34.8	Pass
Band12	1.4	715.3	QPSK	1	MID	22.45	27.64	5.19	13	-0.64	19.66	34.8	Pass
Band12	1.4	715.3	QPSK	1	HIGH	22.41	27.66	5.25	13	-0.64	19.62	34.8	Pass
Band12	1.4	715.3	16QAM	6	LOW	20.64	27.61	6.97	13	-0.64	17.85	34.8	Pass
Band12	1.4	715.3	16QAM	3	LOW	21.42	27.41	5.99	13	-0.64	18.63	34.8	Pass
Band12	1.4	715.3	16QAM	3	MID	21.42	27.42	6	13	-0.64	18.63	34.8	Pass

Band12	1.4	715.3	16QAM	3	HIGH	21.5	27.52	6.02	13	-0.64	18.71	34.8	Pass
Band12	1.4	715.3	16QAM	1	LOW	21.79	27.35	5.56	13	-0.64	19	34.8	Pass
Band12	1.4	715.3	16QAM	1	MID	21.95	27.44	5.49	13	-0.64	19.16	34.8	Pass
Band12	1.4	715.3	16QAM	1	HIGH	21.85	27.44	5.59	13	-0.64	19.06	34.8	Pass
Band12	3	700.5	QPSK	15	LOW	21.11	27.82	6.71	13	-0.64	18.32	34.8	Pass
Band12	3	700.5	QPSK	8	LOW	21.26	27.49	6.23	13	-0.64	18.47	34.8	Pass
Band12	3	700.5	QPSK	8	MID	21.26	27.49	6.23	13	-0.64	18.47	34.8	Pass
Band12	3	700.5	QPSK	8	HIGH	21.47	27.72	6.25	13	-0.64	18.68	34.8	Pass
Band12	3	700.5	QPSK	1	LOW	22.41	27.6	5.19	13	-0.64	19.62	34.8	Pass
Band12	3	700.5	QPSK	1	MID	22.23	27.54	5.31	13	-0.64	19.44	34.8	Pass
Band12	3	700.5	QPSK	1	HIGH	22.13	27.47	5.34	13	-0.64	19.34	34.8	Pass
Band12	3	700.5	16QAM	15	LOW	20.92	28.43	7.51	13	-0.64	18.13	34.8	Pass
Band12	3	700.5	16QAM	8	LOW	20.88	27.96	7.08	13	-0.64	18.09	34.8	Pass
Band12	3	700.5	16QAM	8	MID	20.89	28	7.11	13	-0.64	18.1	34.8	Pass
Band12	3	700.5	16QAM	8	HIGH	20.88	27.97	7.09	13	-0.64	18.09	34.8	Pass
Band12	3	700.5	16QAM	1	LOW	21.21	27.8	6.59	13	-0.64	18.42	34.8	Pass
Band12	3	700.5	16QAM	1	MID	20.99	27.81	6.82	13	-0.64	18.2	34.8	Pass
Band12	3	700.5	16QAM	1	HIGH	21.47	28.19	6.72	13	-0.64	18.68	34.8	Pass
Band12	3	707.5	QPSK	15	LOW	21.17	27.67	6.5	13	-0.64	18.38	34.8	Pass
Band12	3	707.5	QPSK	8	LOW	21.35	27.65	6.3	13	-0.64	18.56	34.8	Pass
Band12	3	707.5	QPSK	8	MID	21.34	27.75	6.41	13	-0.64	18.55	34.8	Pass
Band12	3	707.5	QPSK	8	HIGH	21.36	27.7	6.34	13	-0.64	18.57	34.8	Pass
Band12	3	707.5	QPSK	1	LOW	22.51	27.94	5.43	13	-0.64	19.72	34.8	Pass
Band12	3	707.5	QPSK	1	MID	22.64	27.77	5.13	13	-0.64	19.85	34.8	Pass
Band12	3	707.5	QPSK	1	HIGH	22.45	27.64	5.19	13	-0.64	19.66	34.8	Pass
Band12	3	707.5	16QAM	15	LOW	20.86	27.53	6.67	13	-0.64	18.07	34.8	Pass
Band12	3	707.5	16QAM	8	LOW	20.34	27.27	6.93	13	-0.64	17.55	34.8	Pass
Band12	3	707.5	16QAM	8	MID	20.35	27.22	6.87	13	-0.64	17.56	34.8	Pass
Band12	3	707.5	16QAM	8	HIGH	20.8	27.57	6.77	13	-0.64	18.01	34.8	Pass
Band12	3	707.5	16QAM	1	LOW	21.95	27.69	5.74	13	-0.64	19.16	34.8	Pass
Band12	3	707.5	16QAM	1	MID	22.06	27.01	4.95	13	-0.64	19.27	34.8	Pass
Band12	3	707.5	16QAM	1	HIGH	21.96	26.94	4.98	13	-0.64	19.17	34.8	Pass
Band12	3	714.5	QPSK	15	LOW	21.15	28.03	6.88	13	-0.64	18.36	34.8	Pass
Band12	3	714.5	QPSK	8	LOW	21.15	27.34	6.19	13	-0.64	18.36	34.8	Pass
Band12	3	714.5	QPSK	8	MID	21.16	27.51	6.35	13	-0.64	18.37	34.8	Pass
Band12	3	714.5	QPSK	8	HIGH	21.18	27.29	6.11	13	-0.64	18.39	34.8	Pass
Band12	3	714.5	QPSK	1	LOW	22.49	27.42	4.93	13	-0.64	19.7	34.8	Pass
Band12	3	714.5	QPSK	1	MID	22.34	27.34	5	13	-0.64	19.55	34.8	Pass
Band12	3	714.5	QPSK	1	HIGH	22.43	27.49	5.06	13	-0.64	19.64	34.8	Pass
Band12	3	714.5	16QAM	15	LOW	20.41	27.38	6.97	13	-0.64	17.62	34.8	Pass
Band12	3	714.5	16QAM	8	LOW	20.55	27.25	6.7	13	-0.64	17.76	34.8	Pass
Band12	3	714.5	16QAM	8	MID	20.55	27.26	6.71	13	-0.64	17.76	34.8	Pass
Band12	3	714.5	16QAM	8	HIGH	20.5	26.74	6.24	13	-0.64	17.71	34.8	Pass
Band12	3	714.5	16QAM	1	LOW	21.06	26.38	5.32	13	-0.64	18.27	34.8	Pass
Band12	3	714.5	16QAM	1	MID	21.09	26.31	5.22	13	-0.64	18.3	34.8	Pass

Band12	3	714.5	16QAM	1	HIGH	21.13	26.45	5.32	13	-0.64	18.34	34.8	Pass
Band12	5	701.5	QPSK	25	LOW	21.29	27.86	6.57	13	-0.64	18.5	34.8	Pass
Band12	5	701.5	QPSK	12	LOW	21.22	27.53	6.31	13	-0.64	18.43	34.8	Pass
Band12	5	701.5	QPSK	12	MID	21.23	27.66	6.43	13	-0.64	18.44	34.8	Pass
Band12	5	701.5	QPSK	12	HIGH	21.41	27.71	6.3	13	-0.64	18.62	34.8	Pass
Band12	5	701.5	QPSK	1	LOW	22.48	28.39	5.91	13	-0.64	19.69	34.8	Pass
Band12	5	701.5	QPSK	1	MID	22.14	28.49	6.35	13	-0.64	19.35	34.8	Pass
Band12	5	701.5	QPSK	1	HIGH	22.13	28.43	6.3	13	-0.64	19.34	34.8	Pass
Band12	5	701.5	16QAM	25	LOW	20.93	28.08	7.15	13	-0.64	18.14	34.8	Pass
Band12	5	701.5	16QAM	12	LOW	20.71	28.32	7.61	13	-0.64	17.92	34.8	Pass
Band12	5	701.5	16QAM	12	MID	20.88	28.35	7.47	13	-0.64	18.09	34.8	Pass
Band12	5	701.5	16QAM	12	HIGH	20.58	28.42	7.84	13	-0.64	17.79	34.8	Pass
Band12	5	701.5	16QAM	1	LOW	20.31	26.34	6.03	13	-0.64	17.52	34.8	Pass
Band12	5	701.5	16QAM	1	MID	20.58	26.67	6.09	13	-0.64	17.79	34.8	Pass
Band12	5	701.5	16QAM	1	HIGH	20.92	27.01	6.09	13	-0.64	18.13	34.8	Pass
Band12	5	707.5	QPSK	25	LOW	21.15	27.9	6.75	13	-0.64	18.36	34.8	Pass
Band12	5	707.5	QPSK	12	LOW	21.35	28.07	6.72	13	-0.64	18.56	34.8	Pass
Band12	5	707.5	QPSK	12	MID	21.34	28.22	6.88	13	-0.64	18.55	34.8	Pass
Band12	5	707.5	QPSK	12	HIGH	21.33	27.83	6.5	13	-0.64	18.54	34.8	Pass
Band12	5	707.5	QPSK	1	LOW	22.48	28.06	5.58	13	-0.64	19.69	34.8	Pass
Band12	5	707.5	QPSK	1	MID	22.48	27.79	5.31	13	-0.64	19.69	34.8	Pass
Band12	5	707.5	QPSK	1	HIGH	22.39	27.57	5.18	13	-0.64	19.6	34.8	Pass
Band12	5	707.5	16QAM	25	LOW	20.74	29.08	8.34	13	-0.64	17.95	34.8	Pass
Band12	5	707.5	16QAM	12	LOW	20.62	27.72	7.1	13	-0.64	17.83	34.8	Pass
Band12	5	707.5	16QAM	12	MID	20.63	27.49	6.86	13	-0.64	17.84	34.8	Pass
Band12	5	707.5	16QAM	12	HIGH	20.64	27.44	6.8	13	-0.64	17.85	34.8	Pass
Band12	5	707.5	16QAM	1	LOW	21.31	27.47	6.16	13	-0.64	18.52	34.8	Pass
Band12	5	707.5	16QAM	1	MID	21.29	27.3	6.01	13	-0.64	18.5	34.8	Pass
Band12	5	707.5	16QAM	1	HIGH	21.34	27.17	5.83	13	-0.64	18.55	34.8	Pass
Band12	5	713.5	QPSK	25	LOW	21.41	27.51	6.1	13	-0.64	18.62	34.8	Pass
Band12	5	713.5	QPSK	12	LOW	21.51	27.37	5.86	13	-0.64	18.72	34.8	Pass
Band12	5	713.5	QPSK	12	MID	21.5	27.38	5.88	13	-0.64	18.71	34.8	Pass
Band12	5	713.5	QPSK	12	HIGH	21.19	27.17	5.98	13	-0.64	18.4	34.8	Pass
Band12	5	713.5	QPSK	1	LOW	22.25	27.63	5.38	13	-0.64	19.46	34.8	Pass
Band12	5	713.5	QPSK	1	MID	22.54	27.71	5.17	13	-0.64	19.75	34.8	Pass
Band12	5	713.5	QPSK	1	HIGH	22.37	27.68	5.31	13	-0.64	19.58	34.8	Pass
Band12	5	713.5	16QAM	25	LOW	20.43	28.21	7.78	13	-0.64	17.64	34.8	Pass
Band12	5	713.5	16QAM	12	LOW	20.23	26.99	6.76	13	-0.64	17.44	34.8	Pass
Band12	5	713.5	16QAM	12	MID	20.23	27	6.77	13	-0.64	17.44	34.8	Pass
Band12	5	713.5	16QAM	12	HIGH	20.29	27.25	6.96	13	-0.64	17.5	34.8	Pass
Band12	5	713.5	16QAM	1	LOW	21.07	27.46	6.39	13	-0.64	18.28	34.8	Pass
Band12	5	713.5	16QAM	1	MID	20.86	27.25	6.39	13	-0.64	18.07	34.8	Pass
Band12	5	713.5	16QAM	1	HIGH	20.72	27.29	6.57	13	-0.64	17.93	34.8	Pass
Band12	10	704	QPSK	50	LOW	21.64	28.33	6.69	13	-0.64	18.85	34.8	Pass
Band12	10	704	QPSK	25	LOW	21.55	28.23	6.68	13	-0.64	18.76	34.8	Pass

Band12	10	704	QPSK	25	MID	21.44	28.13	6.69	13	-0.64	18.65	34.8	Pass
Band12	10	704	QPSK	25	HIGH	21.37	28.09	6.72	13	-0.64	18.58	34.8	Pass
Band12	10	704	QPSK	1	LOW	22.22	27.5	5.28	13	-0.64	19.43	34.8	Pass
Band12	10	704	QPSK	1	MID	22.08	27.43	5.35	13	-0.64	19.29	34.8	Pass
Band12	10	704	QPSK	1	HIGH	22.31	27.34	5.03	13	-0.64	19.52	34.8	Pass
Band12	10	704	16QAM	50	LOW	20.86	29	8.14	13	-0.64	18.07	34.8	Pass
Band12	10	704	16QAM	25	LOW	20.6	28.23	7.63	13	-0.64	17.81	34.8	Pass
Band12	10	704	16QAM	25	MID	20.62	28.18	7.56	13	-0.64	17.83	34.8	Pass
Band12	10	704	16QAM	25	HIGH	20.42	27.84	7.42	13	-0.64	17.63	34.8	Pass
Band12	10	704	16QAM	1	LOW	21.46	28	6.54	13	-0.64	18.67	34.8	Pass
Band12	10	704	16QAM	1	MID	22.07	28.52	6.45	13	-0.64	19.28	34.8	Pass
Band12	10	704	16QAM	1	HIGH	21.68	27.98	6.3	13	-0.64	18.89	34.8	Pass
Band12	10	707.5	QPSK	50	LOW	21.25	27.79	6.54	13	-0.64	18.46	34.8	Pass
Band12	10	707.5	QPSK	25	LOW	21.37	28.01	6.64	13	-0.64	18.58	34.8	Pass
Band12	10	707.5	QPSK	25	MID	21.36	27.89	6.53	13	-0.64	18.57	34.8	Pass
Band12	10	707.5	QPSK	25	HIGH	21.41	27.88	6.47	13	-0.64	18.62	34.8	Pass
Band12	10	707.5	QPSK	1	LOW	22.38	28.12	5.74	13	-0.64	19.59	34.8	Pass
Band12	10	707.5	QPSK	1	MID	22.42	27.82	5.4	13	-0.64	19.63	34.8	Pass
Band12	10	707.5	QPSK	1	HIGH	22.51	27.64	5.13	13	-0.64	19.72	34.8	Pass
Band12	10	707.5	16QAM	50	LOW	20.88	28.32	7.44	13	-0.64	18.09	34.8	Pass
Band12	10	707.5	16QAM	25	LOW	20.92	28.58	7.66	13	-0.64	18.13	34.8	Pass
Band12	10	707.5	16QAM	25	MID	20.47	28.32	7.85	13	-0.64	17.68	34.8	Pass
Band12	10	707.5	16QAM	25	HIGH	20.2	27.61	7.41	13	-0.64	17.41	34.8	Pass
Band12	10	707.5	16QAM	1	LOW	22.08	28.15	6.07	13	-0.64	19.29	34.8	Pass
Band12	10	707.5	16QAM	1	MID	22.1	27.04	4.94	13	-0.64	19.31	34.8	Pass
Band12	10	707.5	16QAM	1	HIGH	22.29	27.38	5.09	13	-0.64	19.5	34.8	Pass
Band12	10	711	QPSK	50	LOW	21.16	27.42	6.26	13	-0.64	18.37	34.8	Pass
Band12	10	711	QPSK	25	LOW	21.29	28.23	6.94	13	-0.64	18.5	34.8	Pass
Band12	10	711	QPSK	25	MID	21.28	28.22	6.94	13	-0.64	18.49	34.8	Pass
Band12	10	711	QPSK	25	HIGH	21.27	28	6.73	13	-0.64	18.48	34.8	Pass
Band12	10	711	QPSK	1	LOW	22.43	27.87	5.44	13	-0.64	19.64	34.8	Pass
Band12	10	711	QPSK	1	MID	22.35	27.46	5.11	13	-0.64	19.56	34.8	Pass
Band12	10	711	QPSK	1	HIGH	22.46	27.53	5.07	13	-0.64	19.67	34.8	Pass
Band12	10	711	16QAM	50	LOW	20.26	28.08	7.82	13	-0.64	17.47	34.8	Pass
Band12	10	711	16QAM	25	LOW	20.75	28.07	7.32	13	-0.64	17.96	34.8	Pass
Band12	10	711	16QAM	25	MID	20.9	28.13	7.23	13	-0.64	18.11	34.8	Pass
Band12	10	711	16QAM	25	HIGH	20.62	27.65	7.03	13	-0.64	17.83	34.8	Pass
Band12	10	711	16QAM	1	LOW	21.07	26.53	5.46	13	-0.64	18.28	34.8	Pass
Band12	10	711	16QAM	1	MID	21.2	26.47	5.27	13	-0.64	18.41	34.8	Pass
Band12	10	711	16QAM	1	HIGH	21.08	26.46	5.38	13	-0.64	18.29	34.8	Pass