

RF Test Data for LTE (Conducted Measurement)

Product Name: Mobile Phone

Trade Mark: KRONO

Test Model: NET

FCC ID: 2AU97-KR

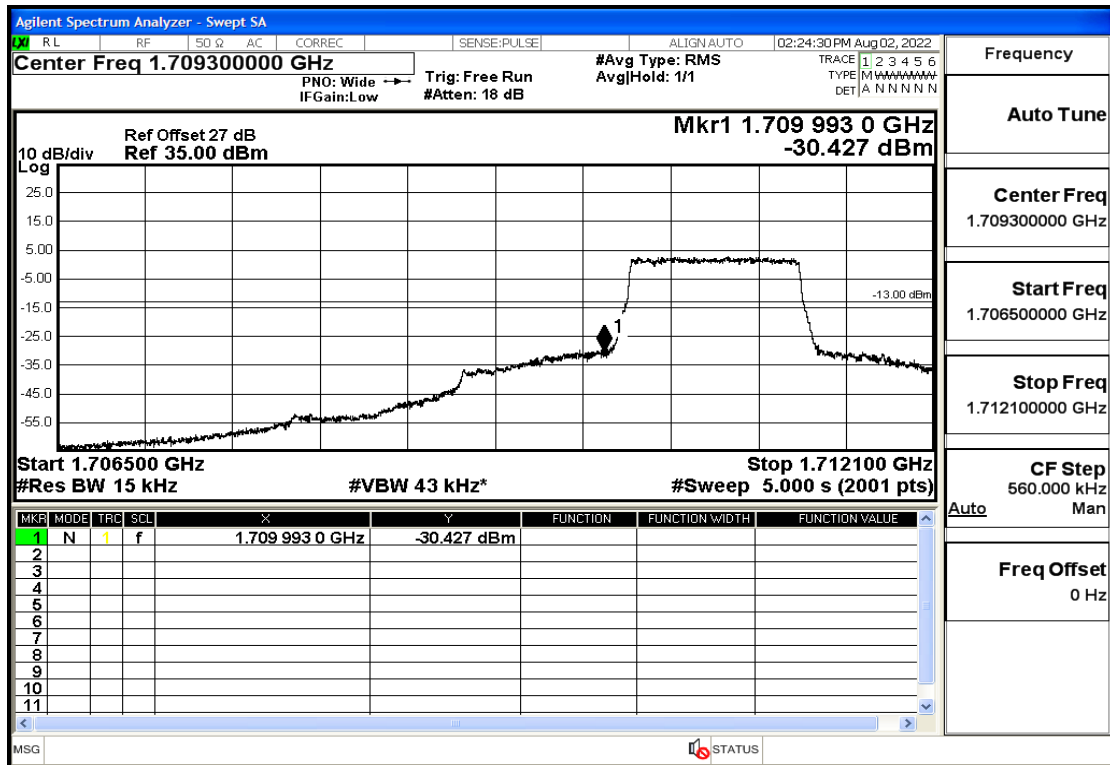
Environmental Conditions

Temperature:	23.8℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
Remark:	For LTE Band4

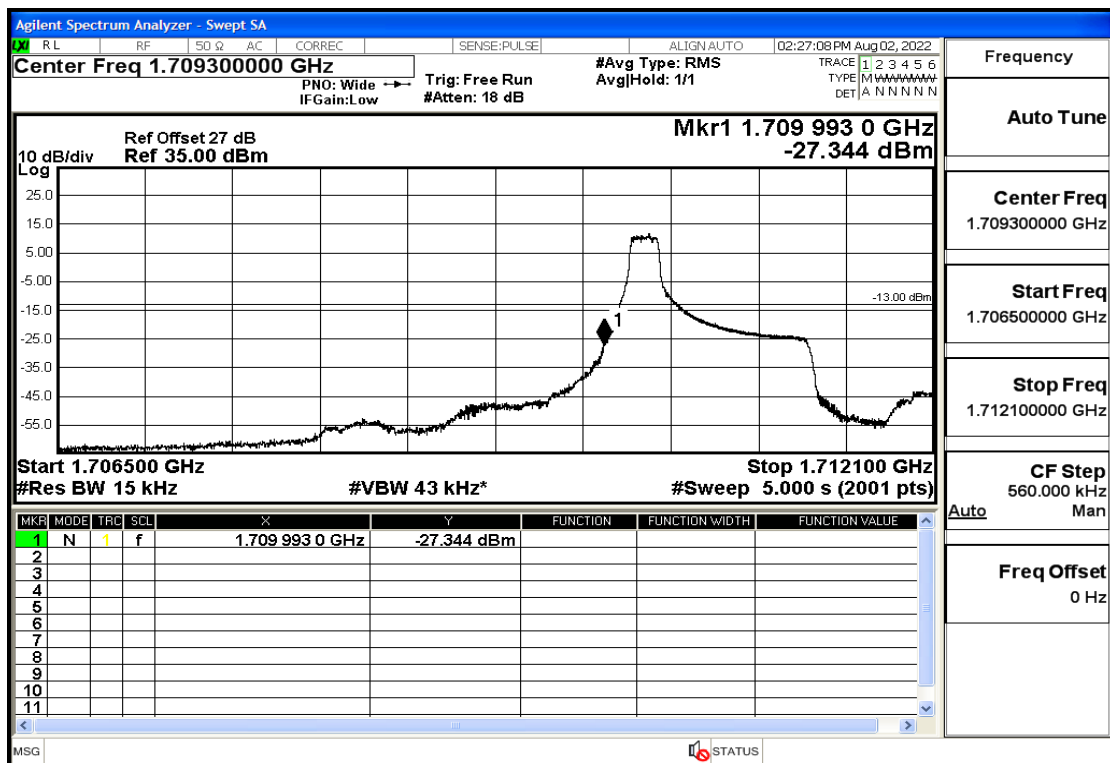
Band Edge and Emission Mask

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Conclusion
Band4	1.4	1710.7	QPSK	6	LOW	Pass
Band4	1.4	1710.7	QPSK	1	LOW	Pass
Band4	1.4	1710.7	16QAM	6	LOW	Pass
Band4	1.4	1710.7	16QAM	1	LOW	Pass
Band4	1.4	1754.3	QPSK	6	LOW	Pass
Band4	1.4	1754.3	QPSK	1	HIGH	Pass
Band4	1.4	1754.3	16QAM	6	LOW	Pass
Band4	1.4	1754.3	16QAM	1	HIGH	Pass
Band4	3	1711.5	QPSK	15	LOW	Pass
Band4	3	1711.5	QPSK	1	LOW	Pass
Band4	3	1711.5	16QAM	15	LOW	Pass
Band4	3	1711.5	16QAM	1	LOW	Pass
Band4	3	1753.5	QPSK	15	LOW	Pass
Band4	3	1753.5	QPSK	1	HIGH	Pass
Band4	3	1753.5	16QAM	15	LOW	Pass
Band4	3	1753.5	16QAM	1	HIGH	Pass
Band4	5	1712.5	QPSK	25	LOW	Pass
Band4	5	1712.5	QPSK	1	LOW	Pass
Band4	5	1712.5	16QAM	25	LOW	Pass
Band4	5	1712.5	16QAM	1	LOW	Pass
Band4	5	1752.5	QPSK	25	LOW	Pass
Band4	5	1752.5	QPSK	1	HIGH	Pass
Band4	5	1752.5	16QAM	25	LOW	Pass
Band4	5	1752.5	16QAM	1	HIGH	Pass
Band4	10	1715	QPSK	50	LOW	Pass
Band4	10	1715	QPSK	1	LOW	Pass
Band4	10	1715	16QAM	50	LOW	Pass
Band4	10	1715	16QAM	1	LOW	Pass
Band4	10	1750	QPSK	50	LOW	Pass
Band4	10	1750	QPSK	1	HIGH	Pass
Band4	10	1750	16QAM	50	LOW	Pass
Band4	10	1750	16QAM	1	HIGH	Pass

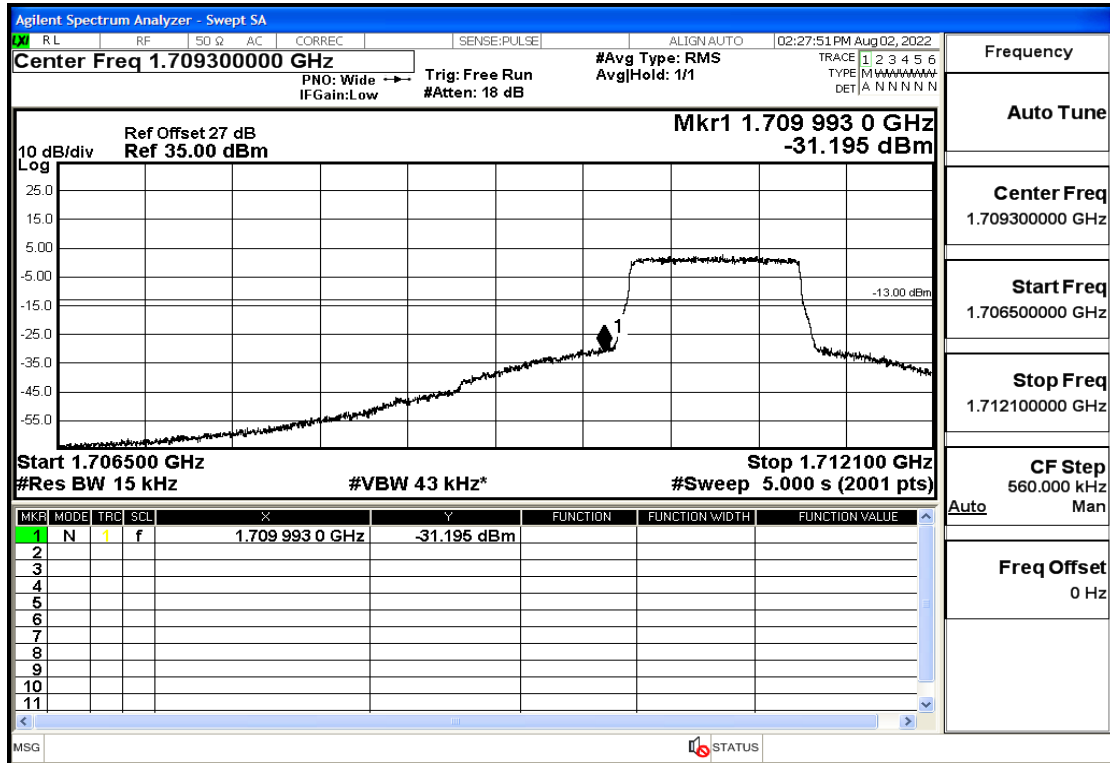
Band4-1.4-1710.7-QPSK-6#LOW@Pass



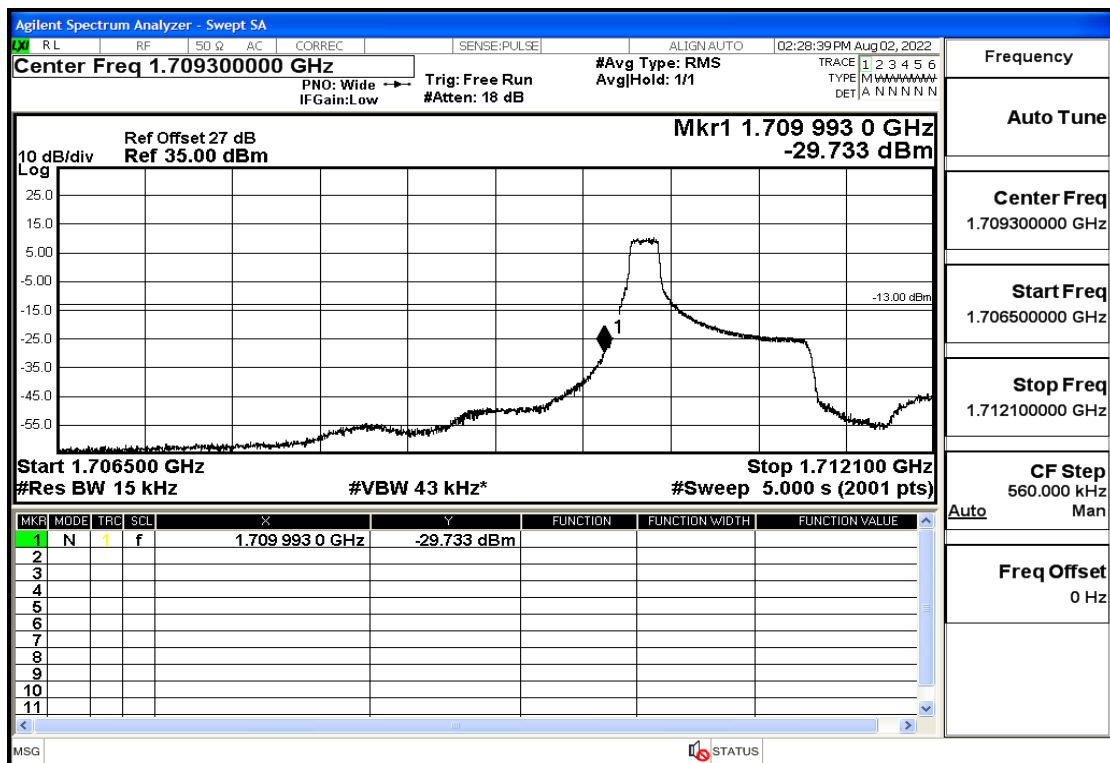
Band4-1.4-1710.7-QPSK-1#LOW@Pass



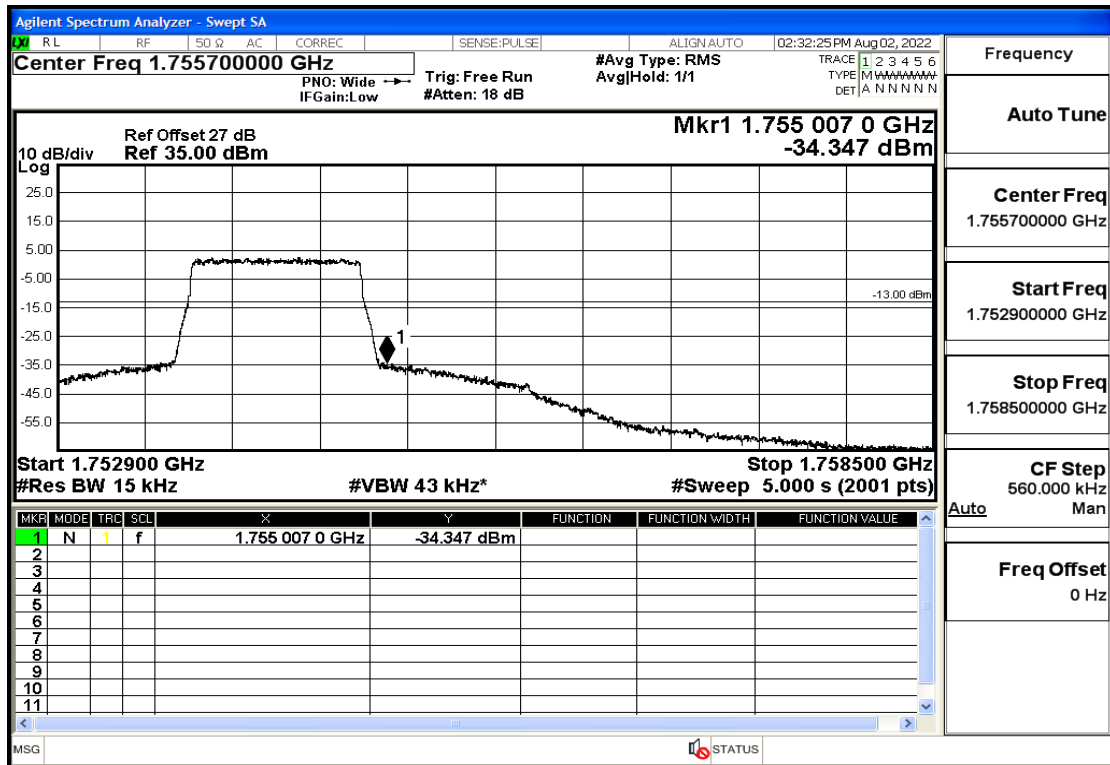
Band4-1.4-1710.7-16QAM-6#LOW@Pass



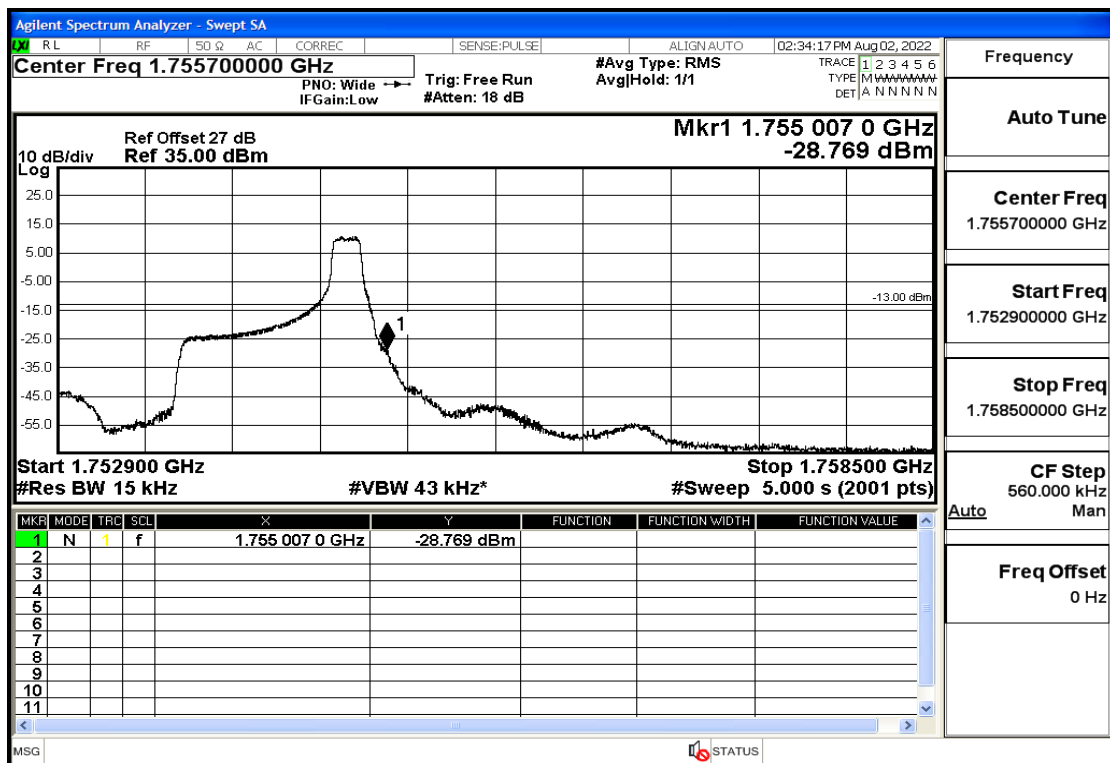
Band4-1.4-1710.7-16QAM-1#LOW@Pass



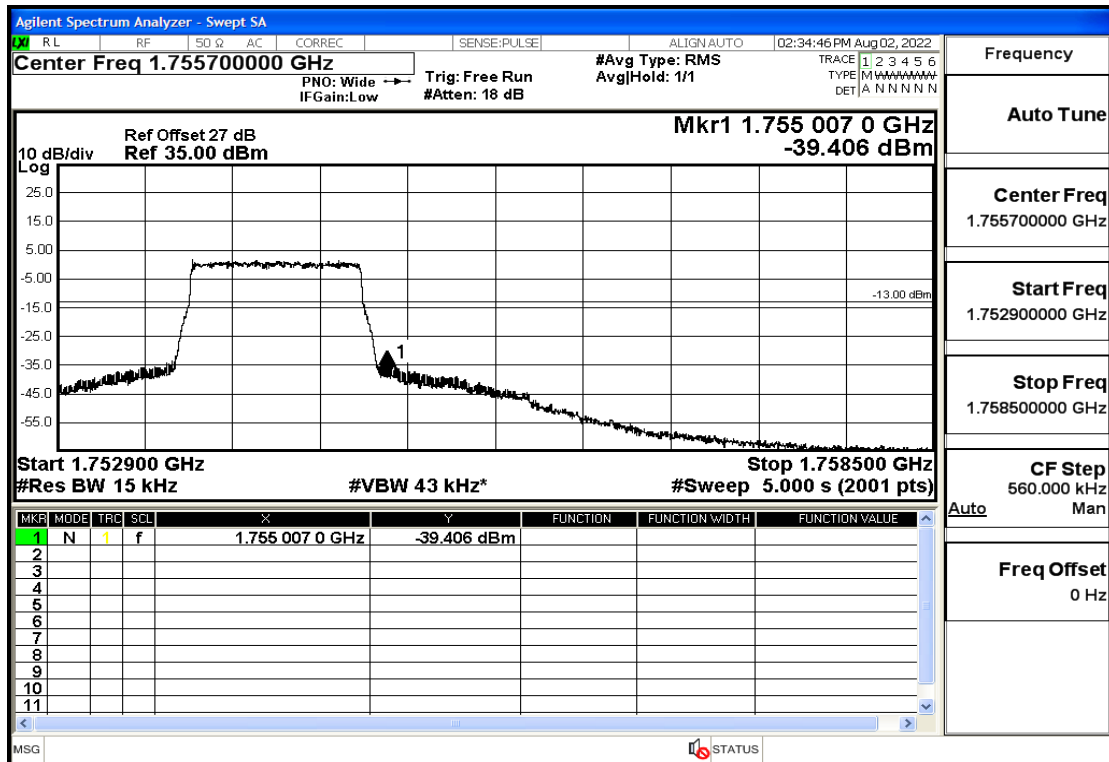
Band4-1.4-1754.3-QPSK-6#LOW@Pass



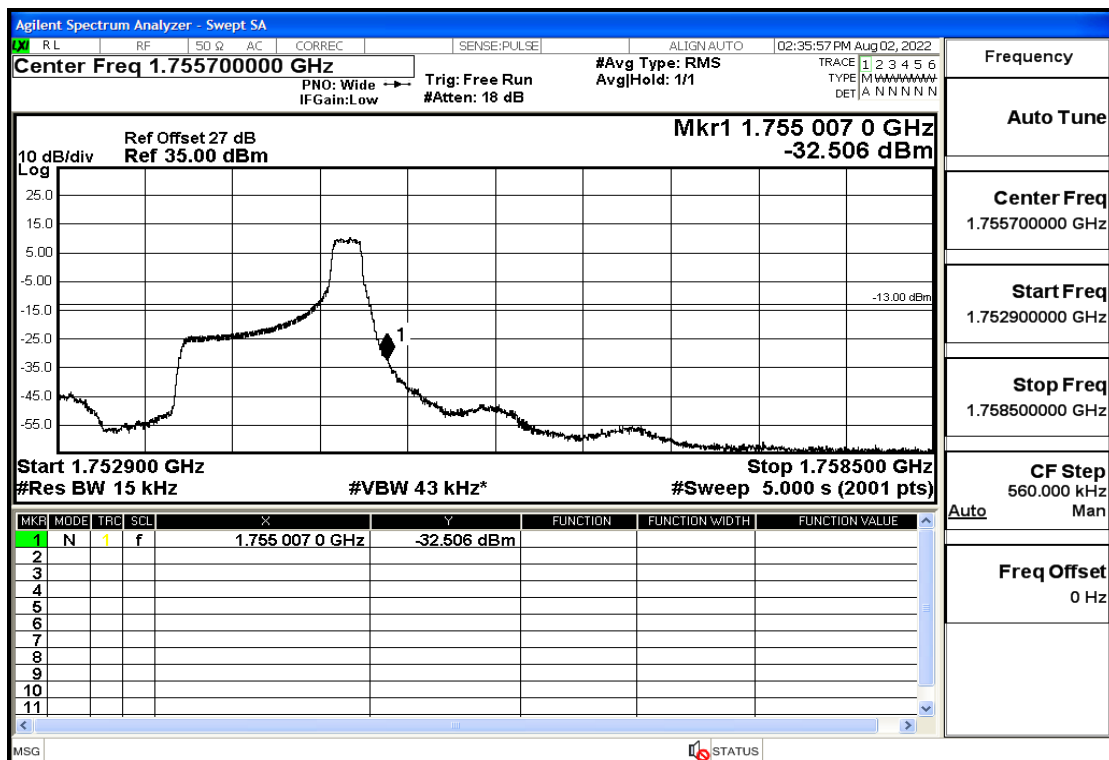
Band4-1.4-1754.3-QPSK-1#HIGH@Pass



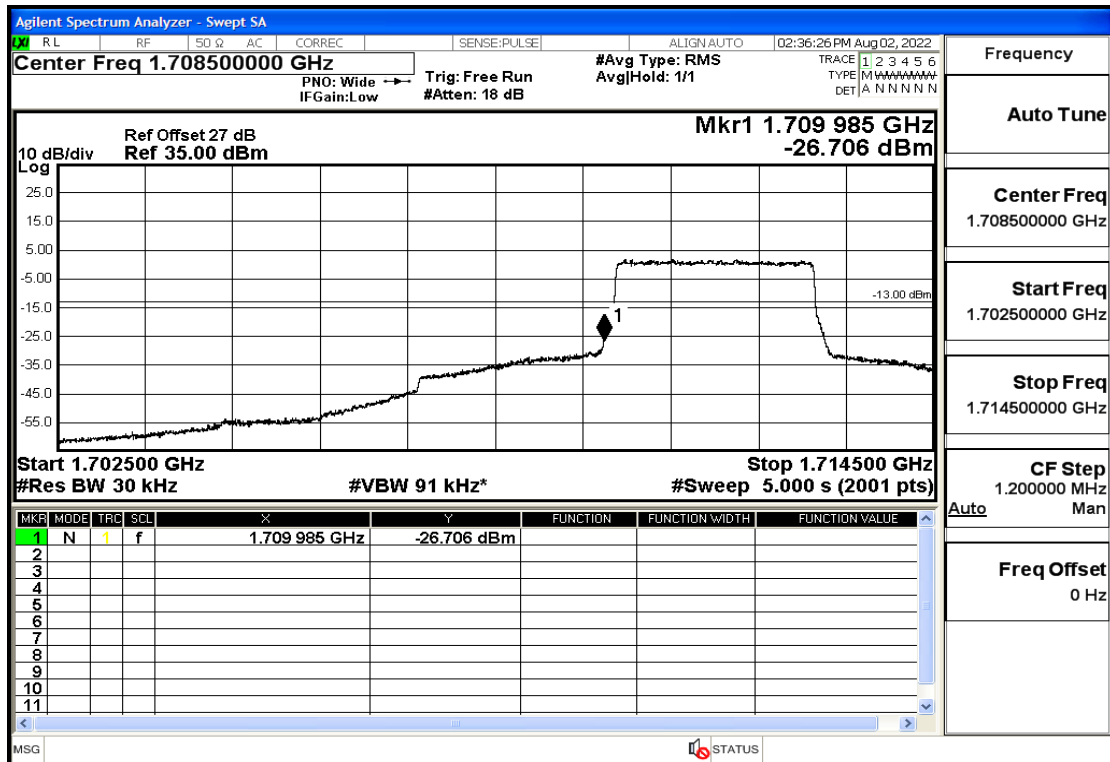
Band4-1.4-1754.3-16QAM-6#LOW@Pass



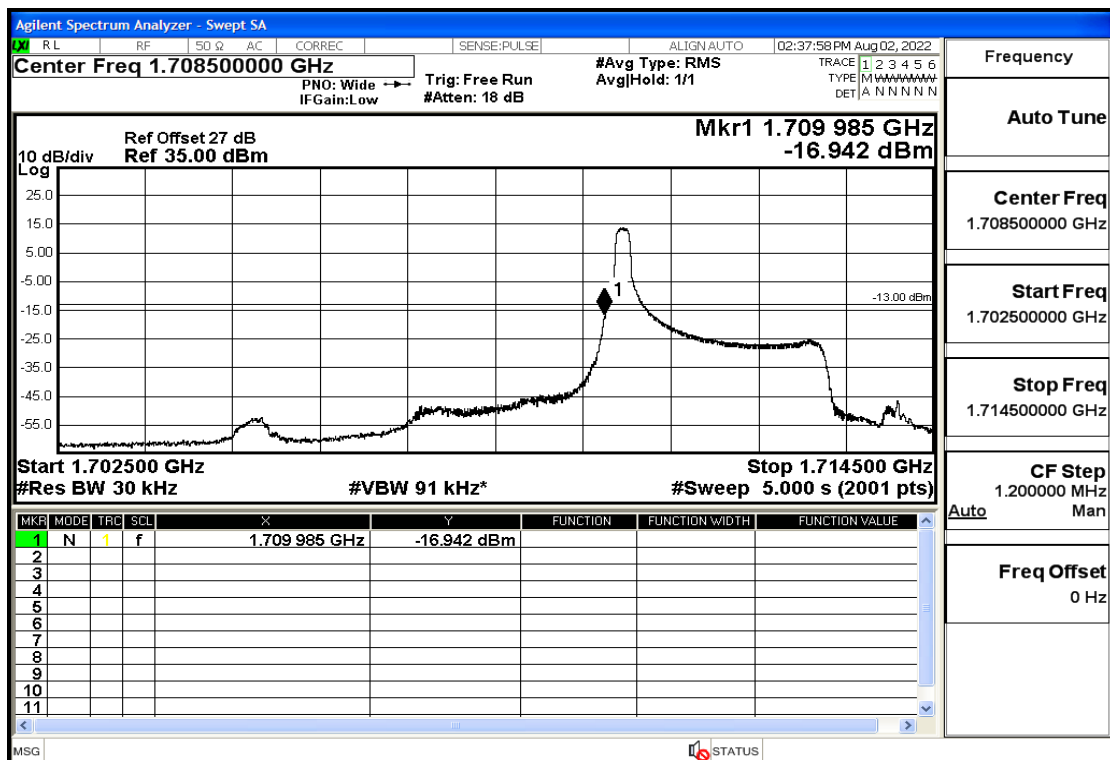
Band4-1.4-1754.3-16QAM-1#HIGH@Pass



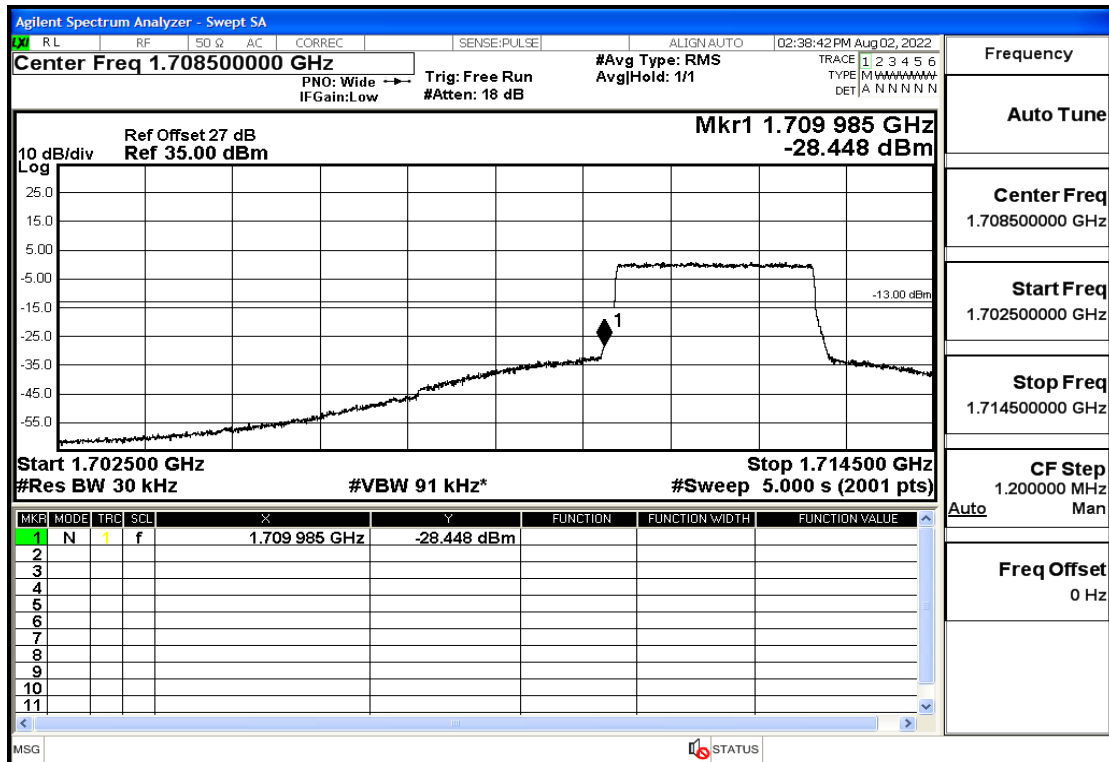
Band4-3-1711.5-QPSK-15#LOW@Pass



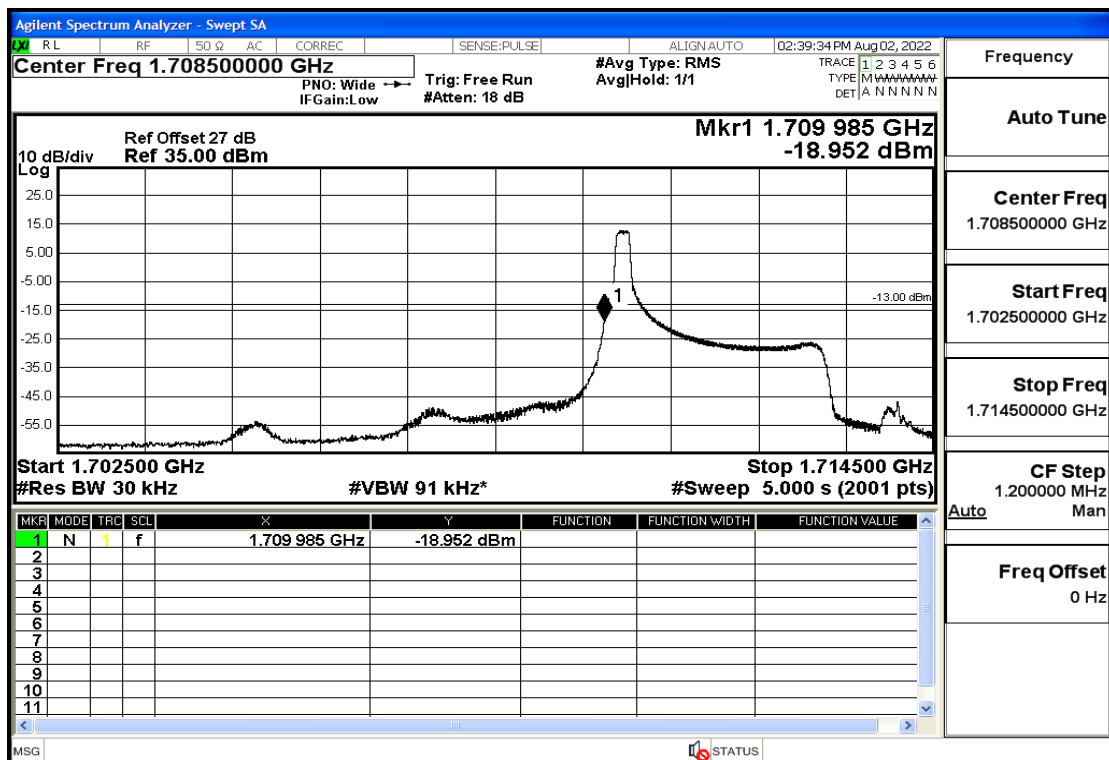
Band4-3-1711.5-QPSK-1#LOW@Pass



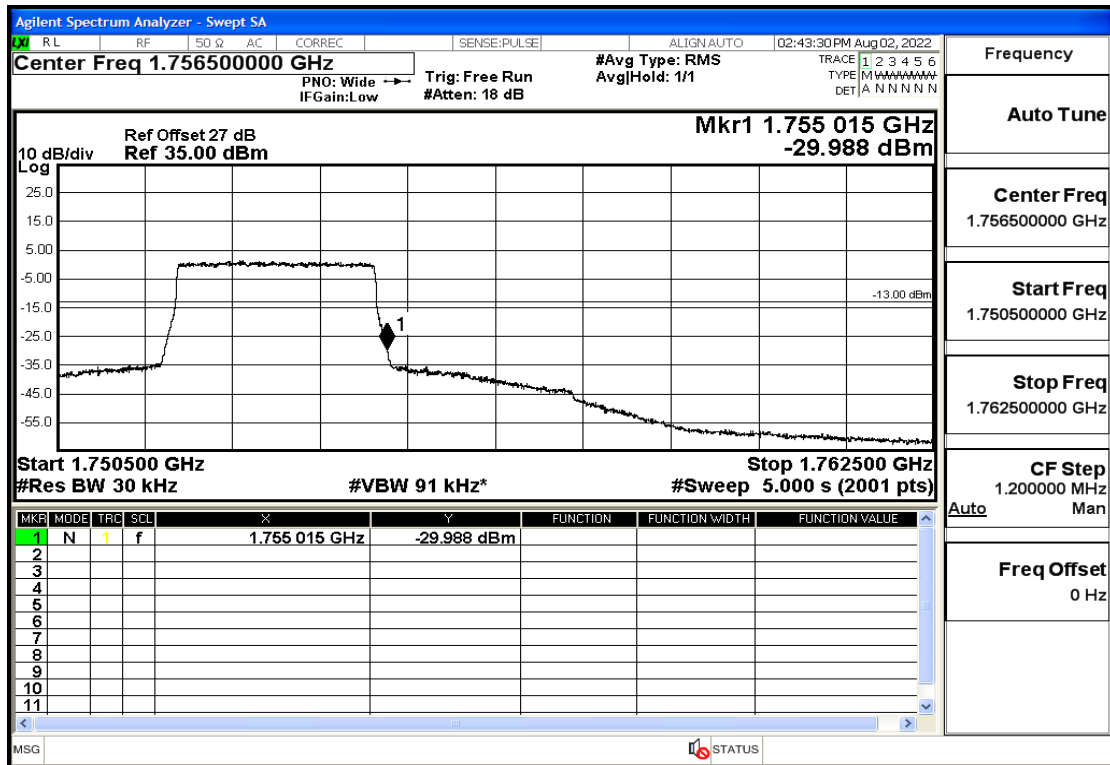
Band4-3-1711.5-16QAM-15#LOW@Pass



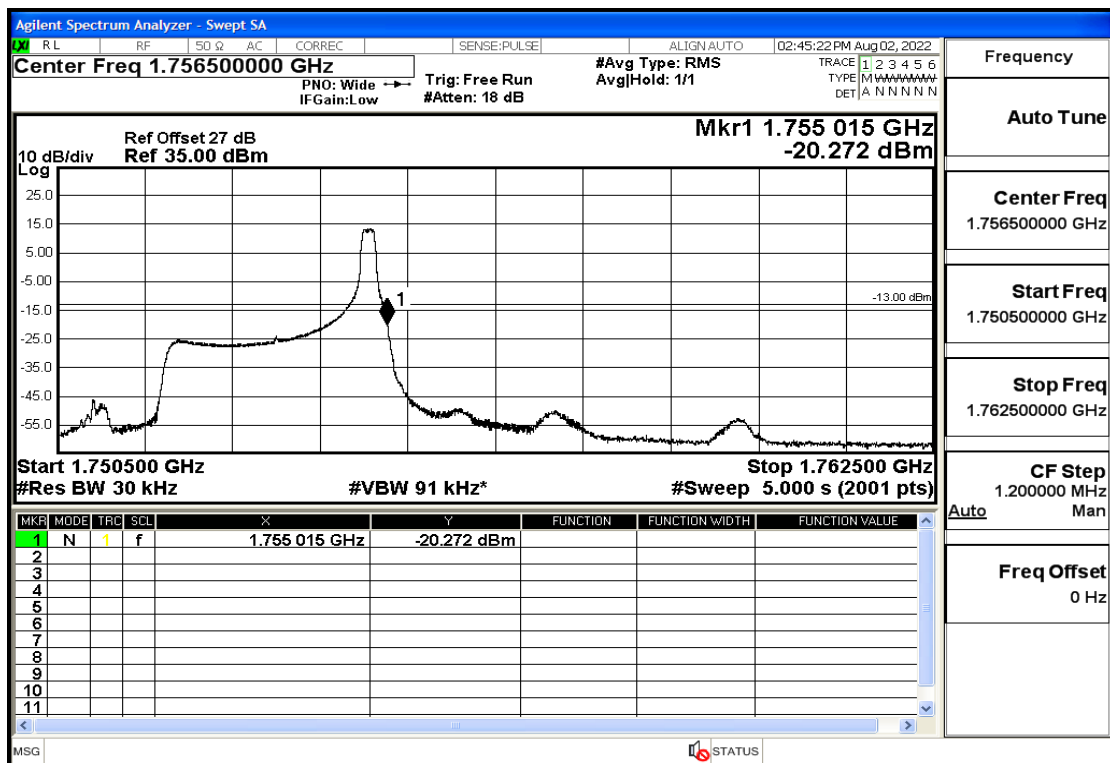
Band4-3-1711.5-16QAM-1#LOW@Pass



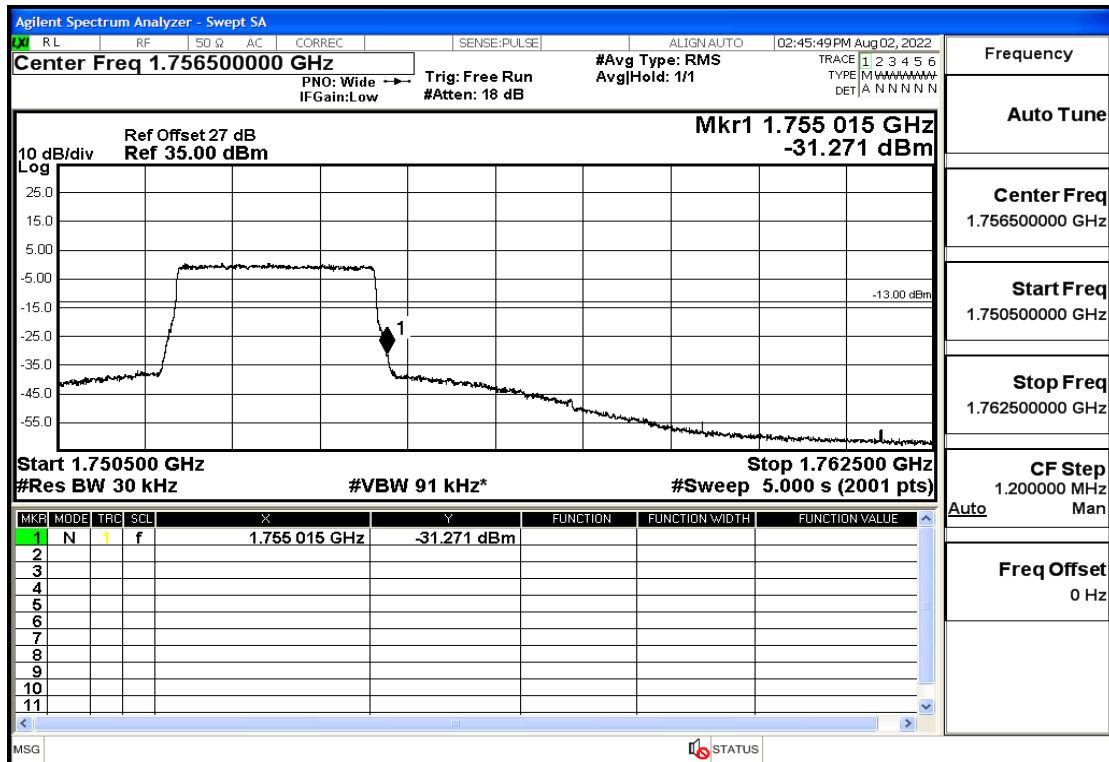
Band4-3-1753.5-QPSK-15#LOW@Pass



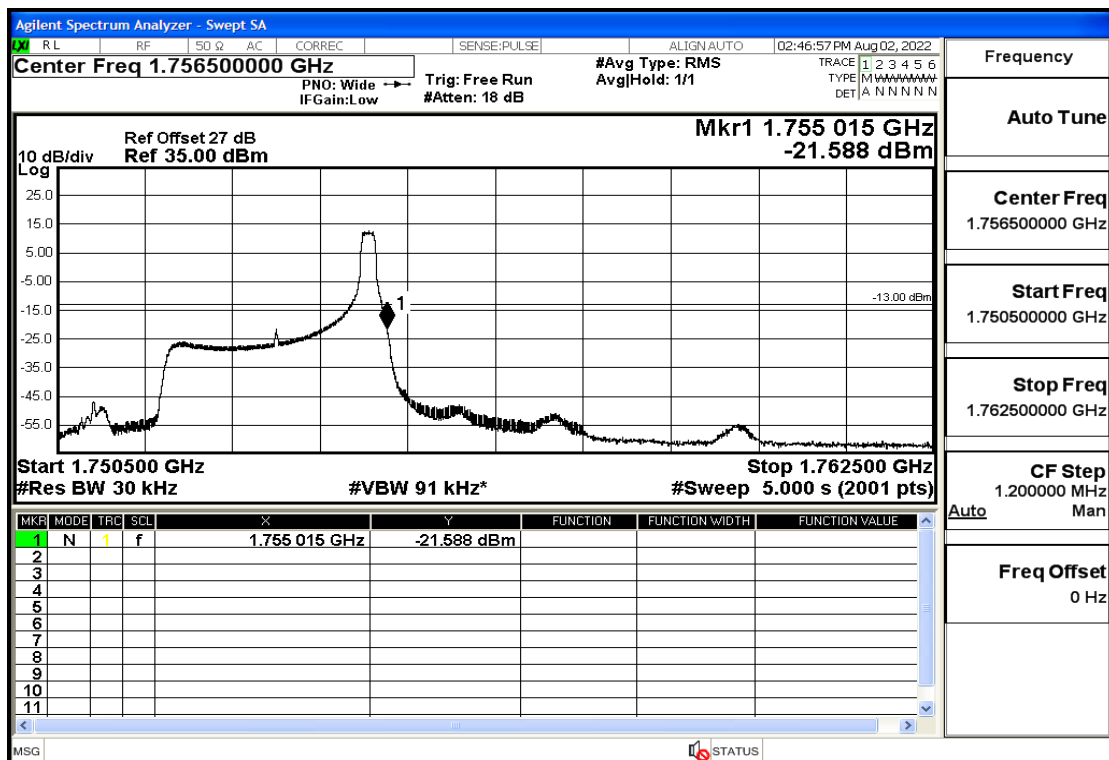
Band4-3-1753.5-QPSK-1#HIGH@Pass



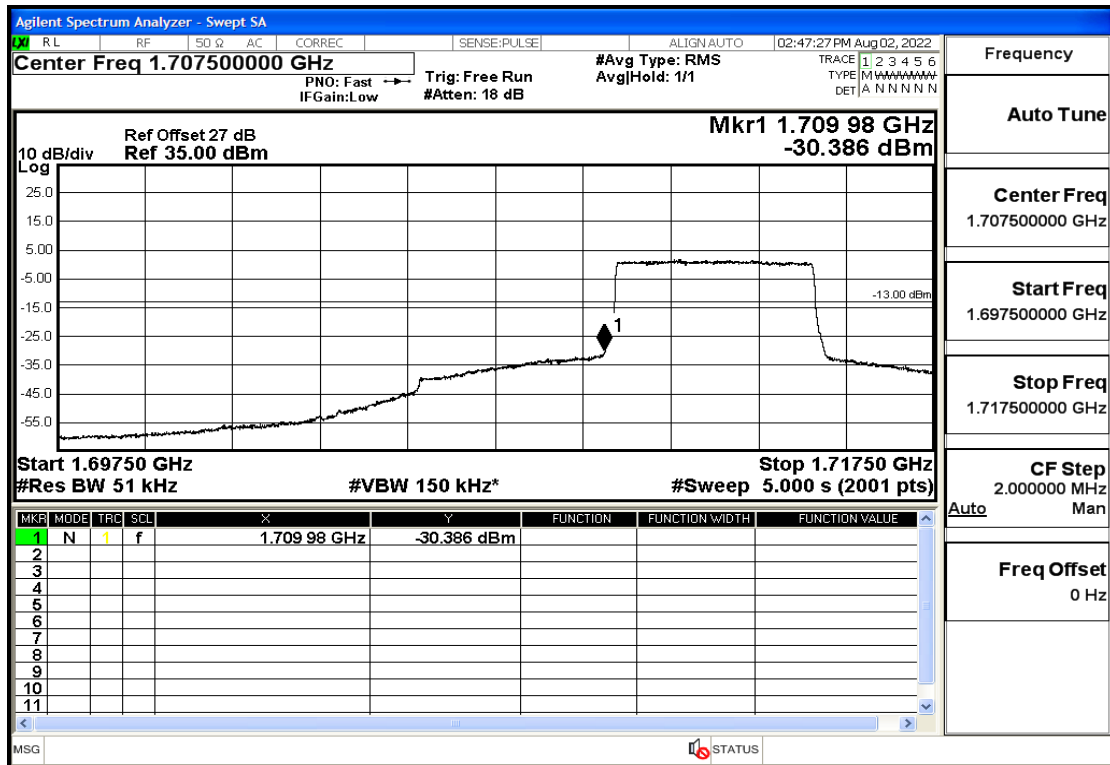
Band4-3-1753.5-16QAM-15#LOW@Pass



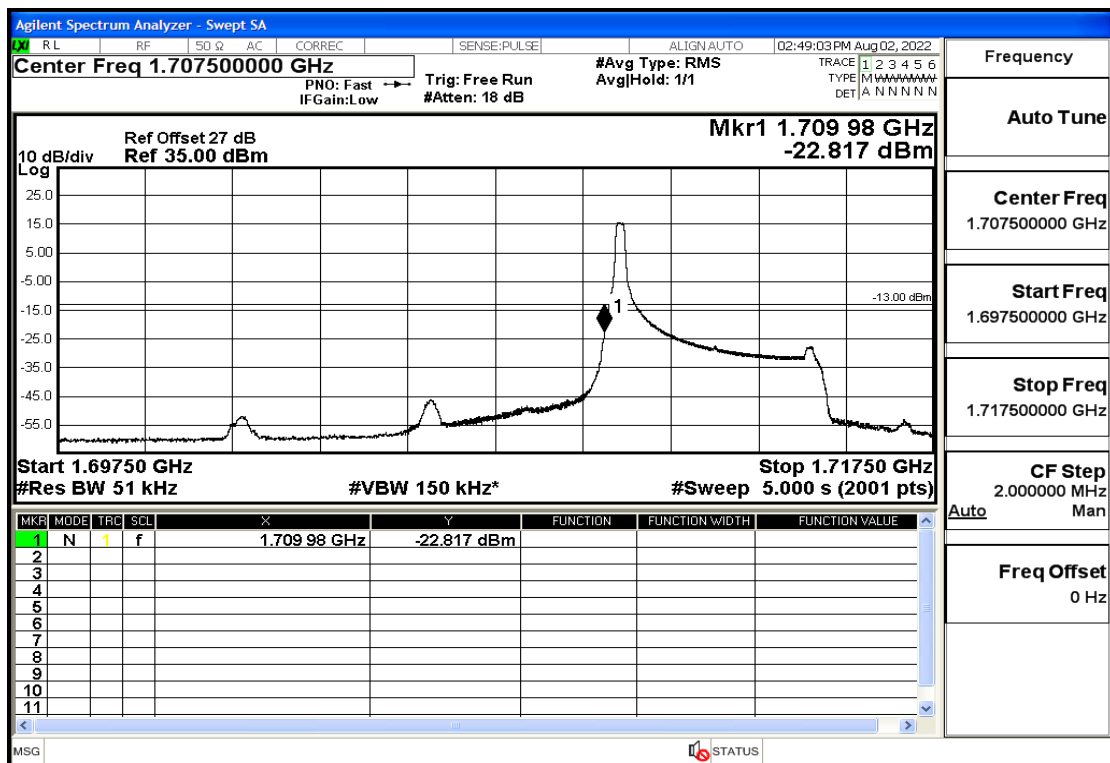
Band4-3-1753.5-16QAM-1#HIGH@Pass



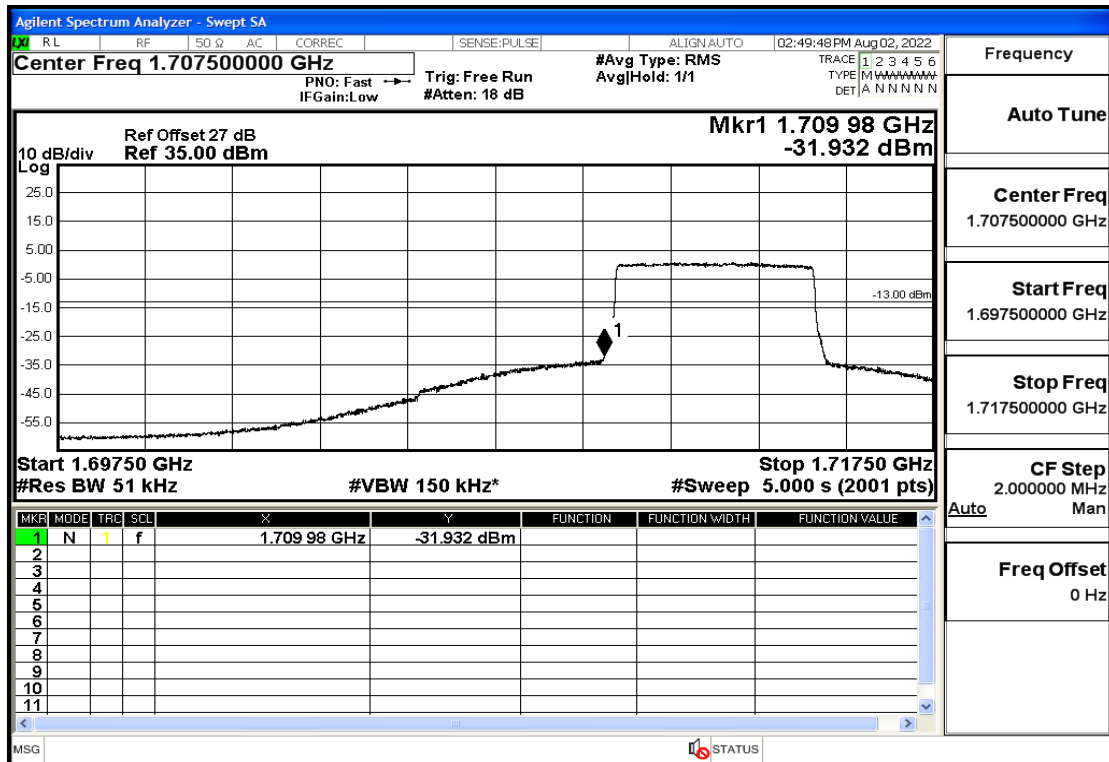
Band4-5-1712.5-QPSK-25#LOW@Pass



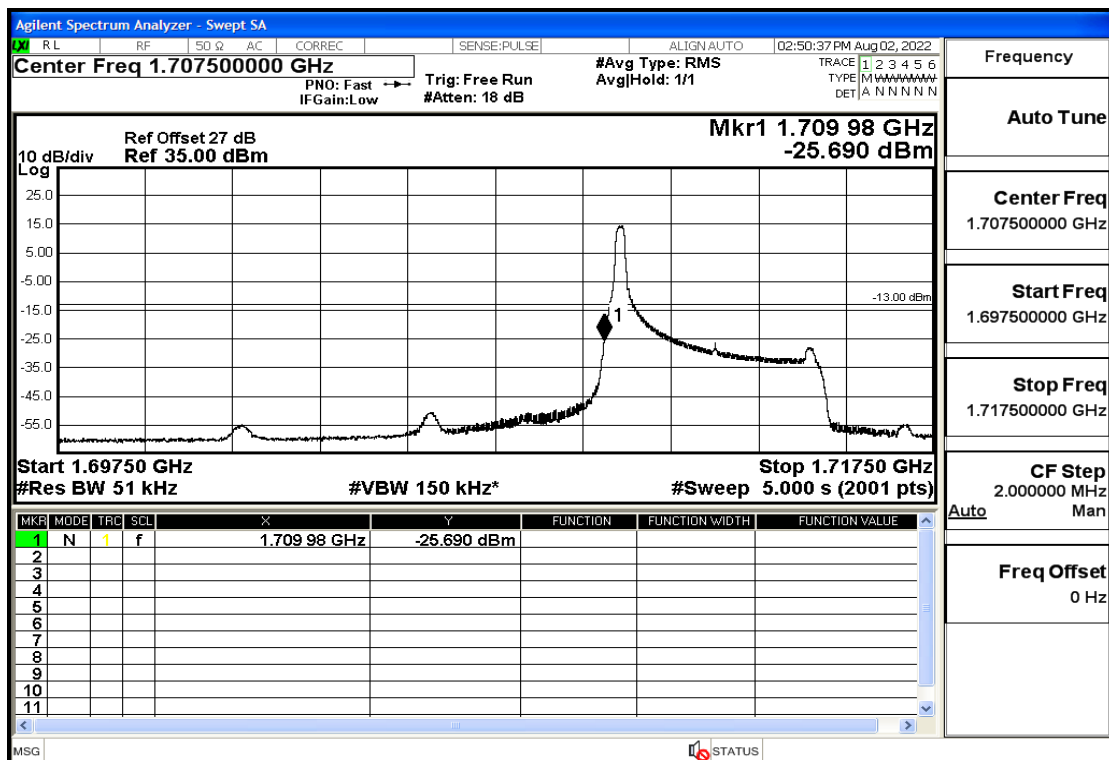
Band4-5-1712.5-QPSK-1#LOW@Pass



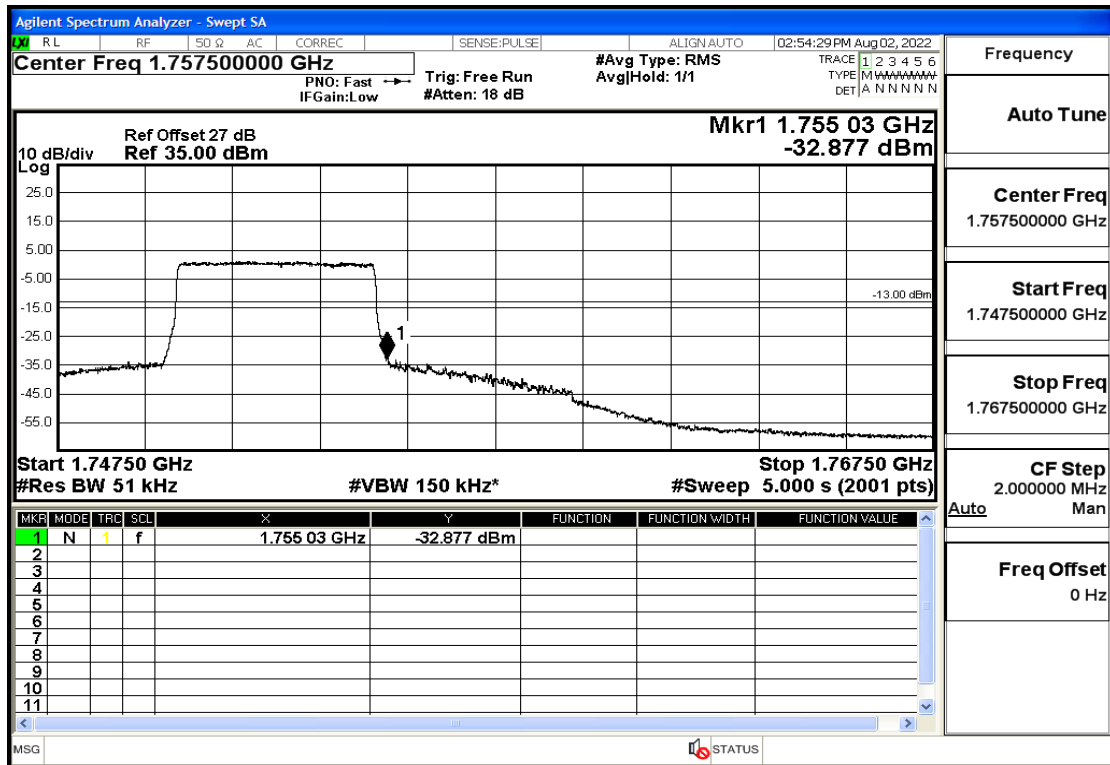
Band4-5-1712.5-16QAM-25#LOW@Pass



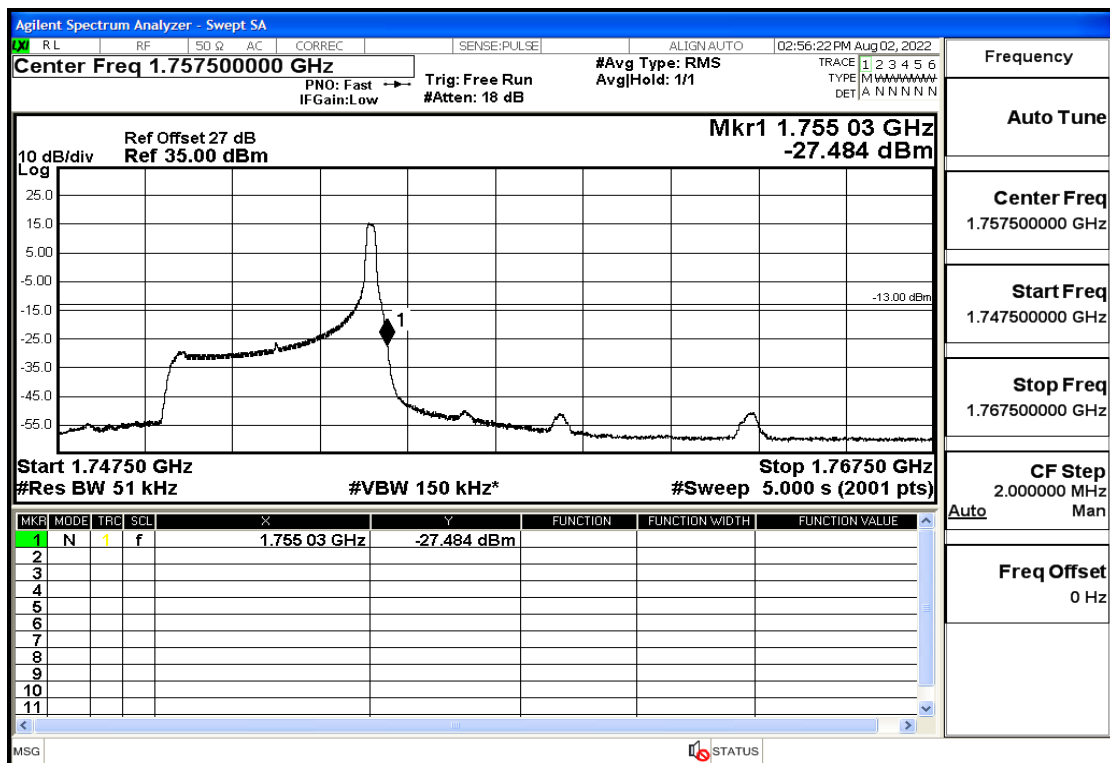
Band4-5-1712.5-16QAM-1#LOW@Pass



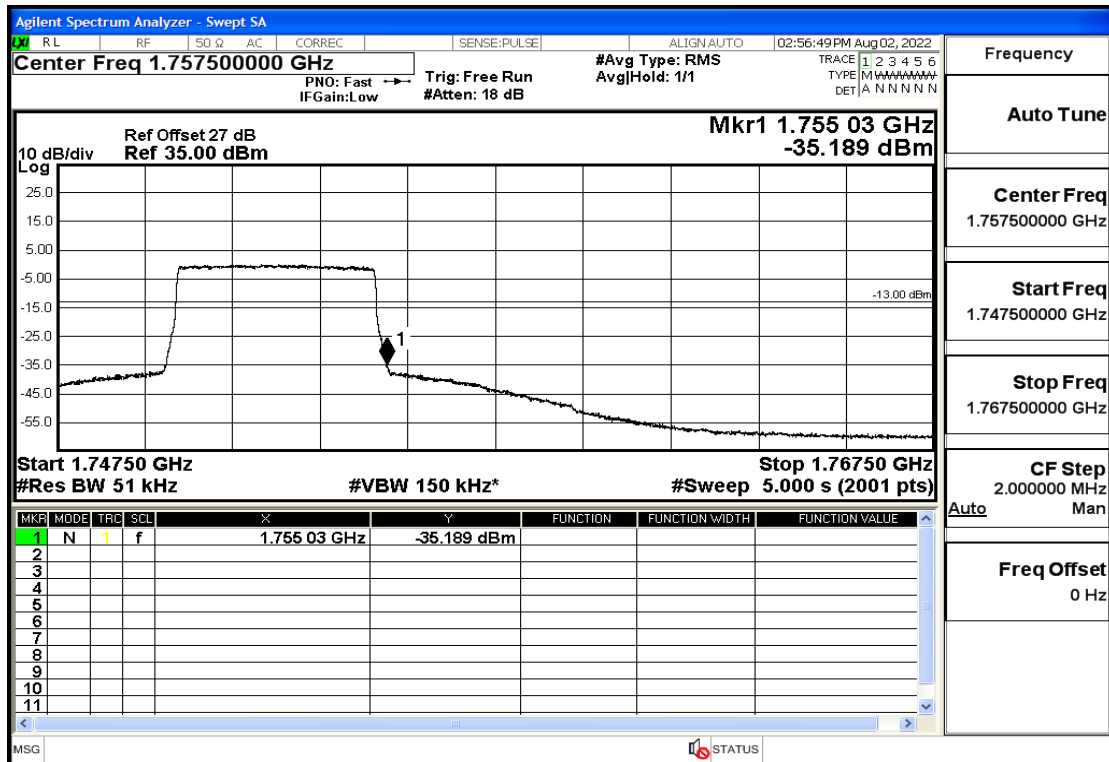
Band4-5-1752.5-QPSK-25#LOW@Pass



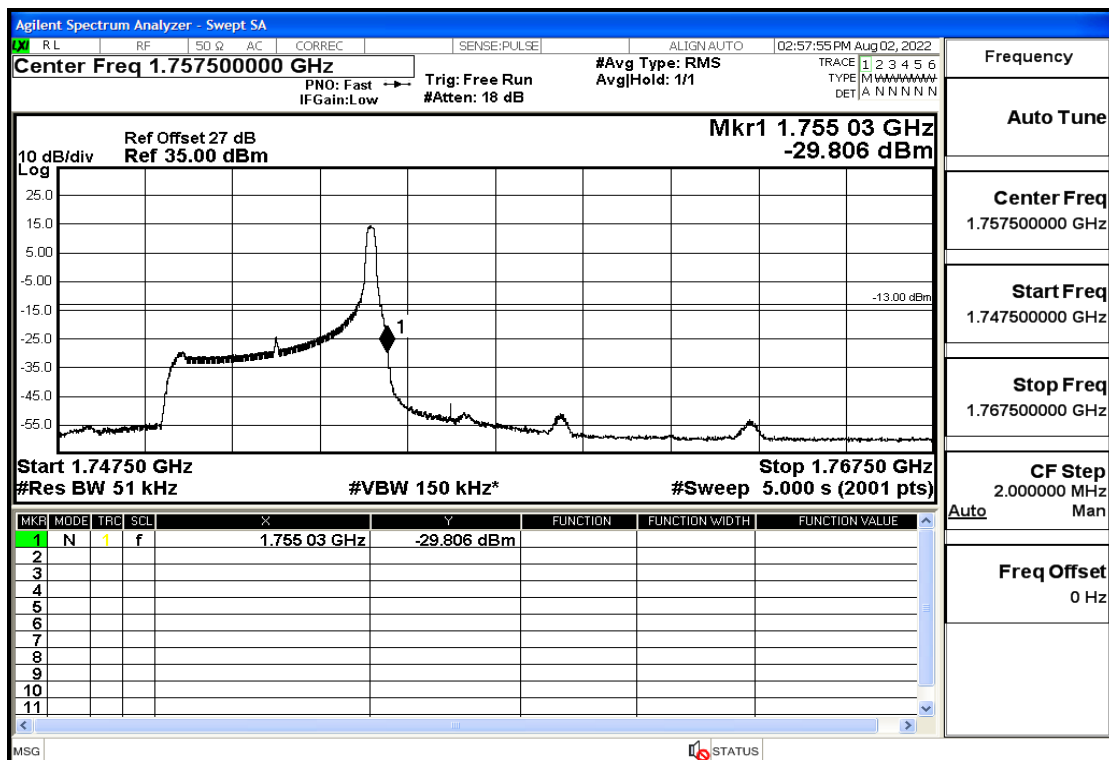
Band4-5-1752.5-QPSK-1#HIGH@Pass



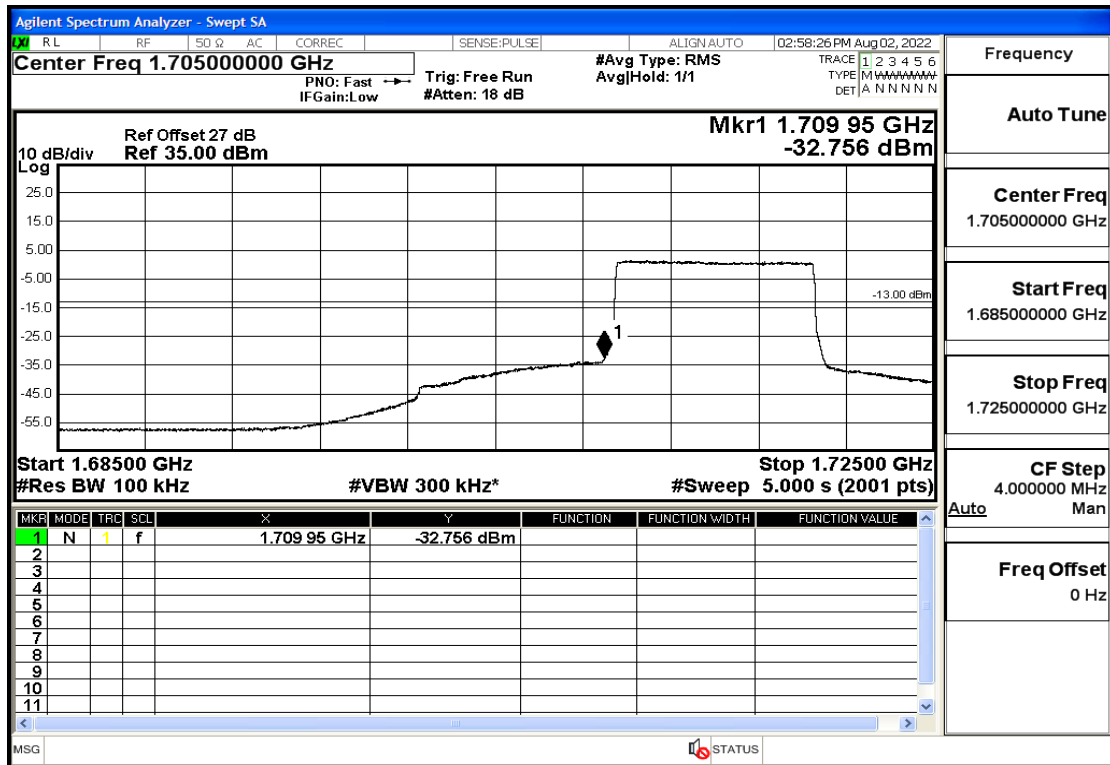
Band4-5-1752.5-16QAM-25#LOW@Pass



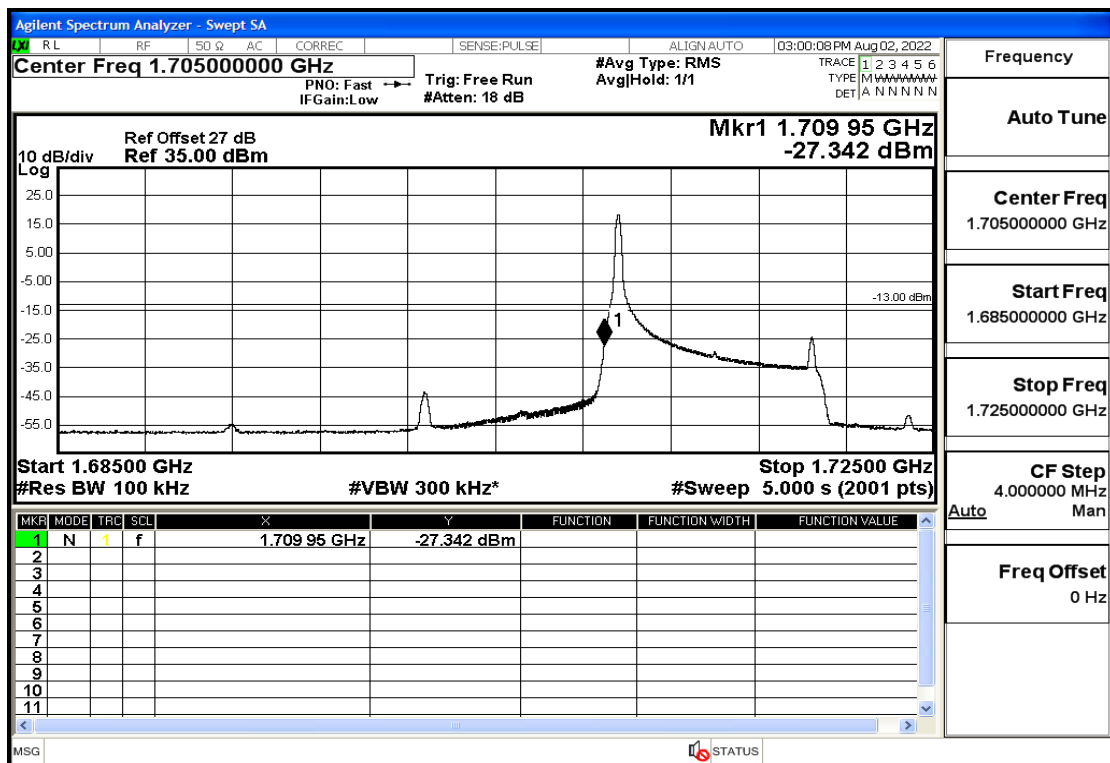
Band4-5-1752.5-16QAM-1#HIGH@Pass



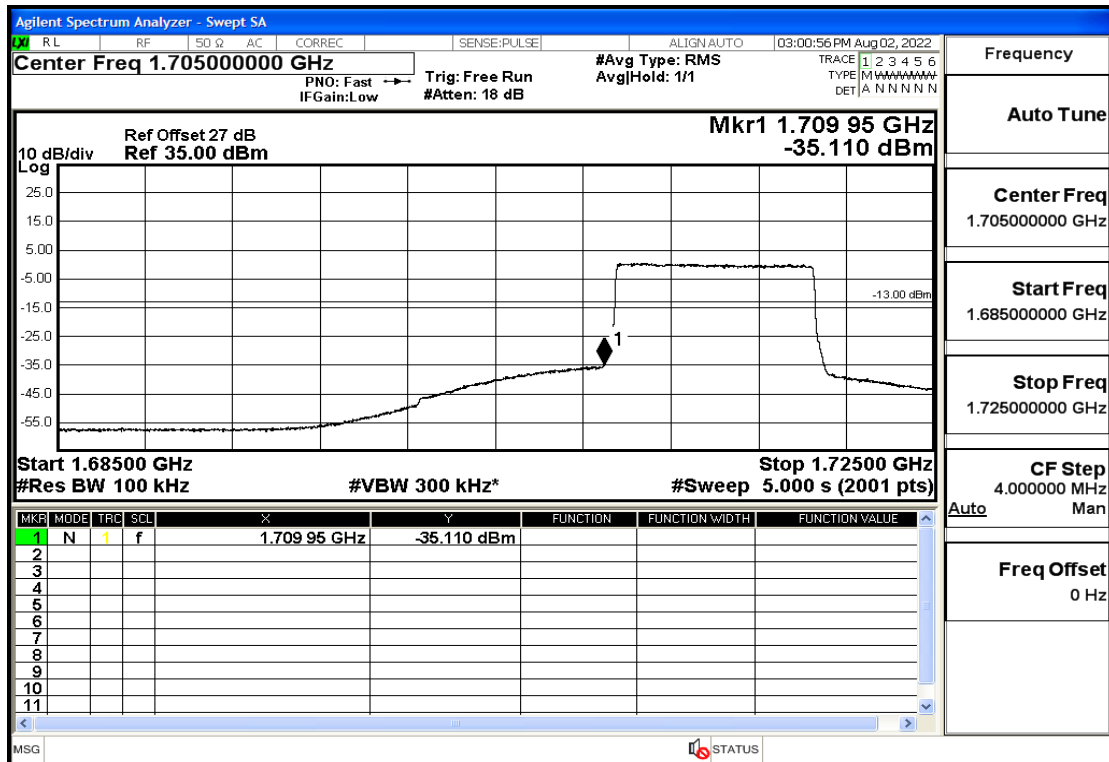
Band4-10-1715-QPSK-50#LOW@Pass



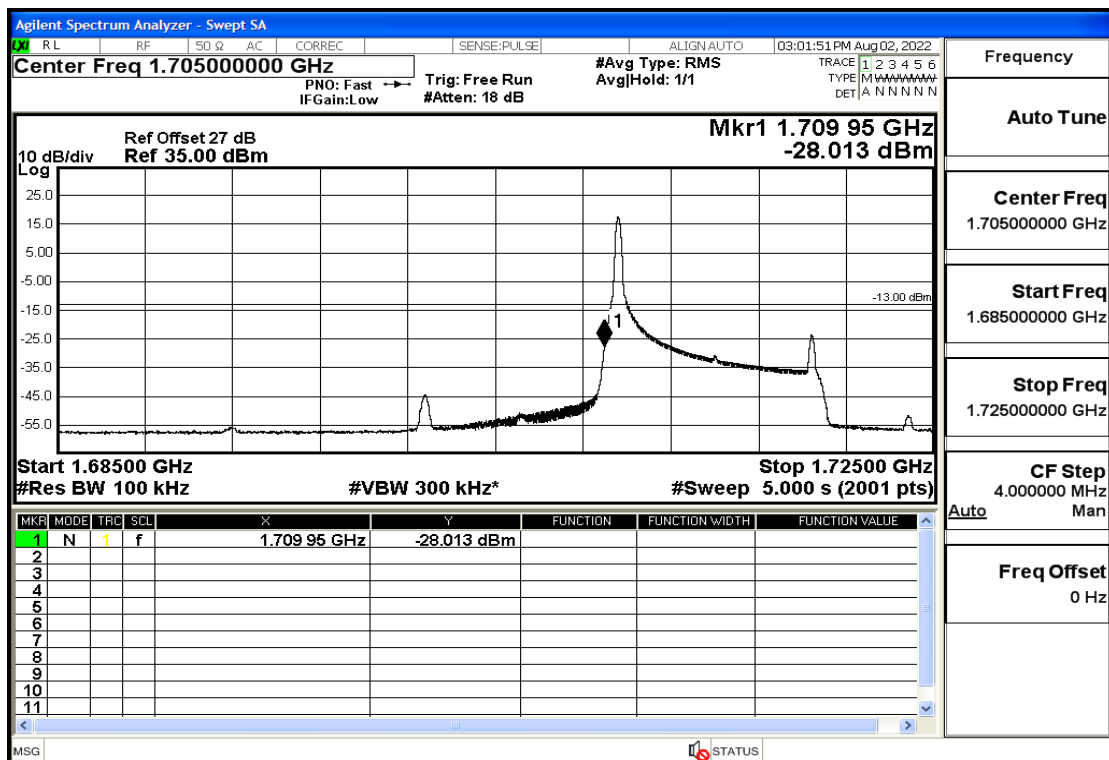
Band4-10-1715-QPSK-1#LOW@Pass



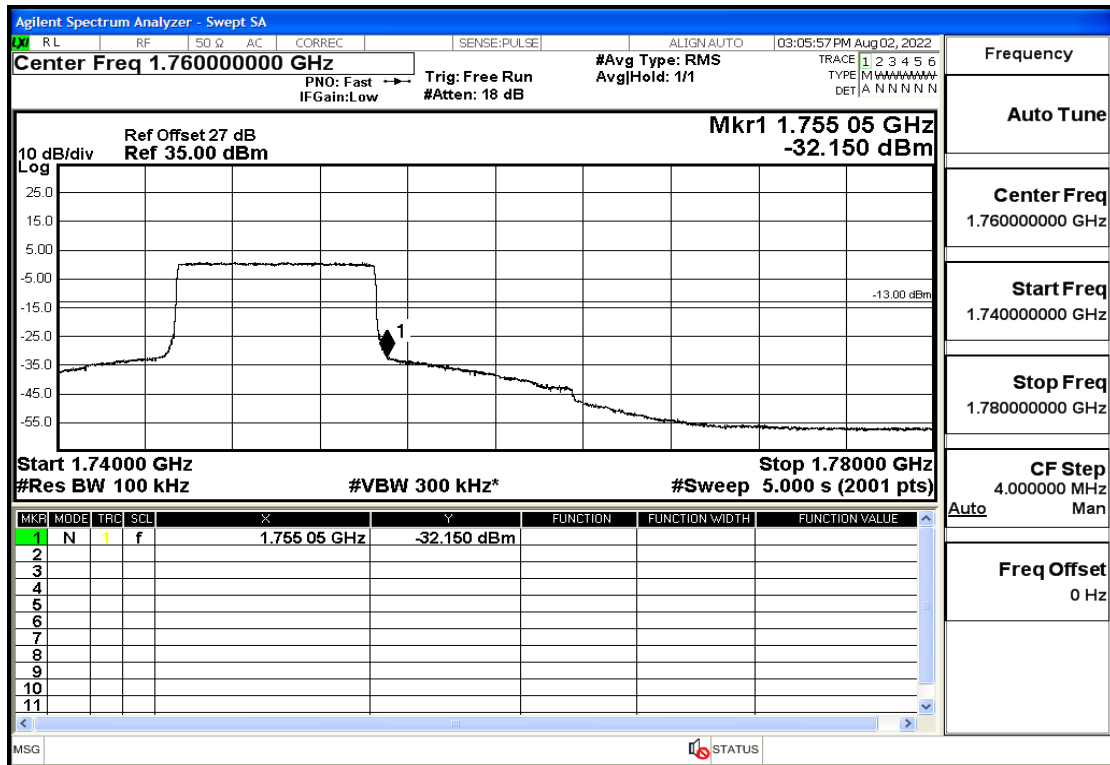
Band4-10-1715-16QAM-50#LOW@Pass



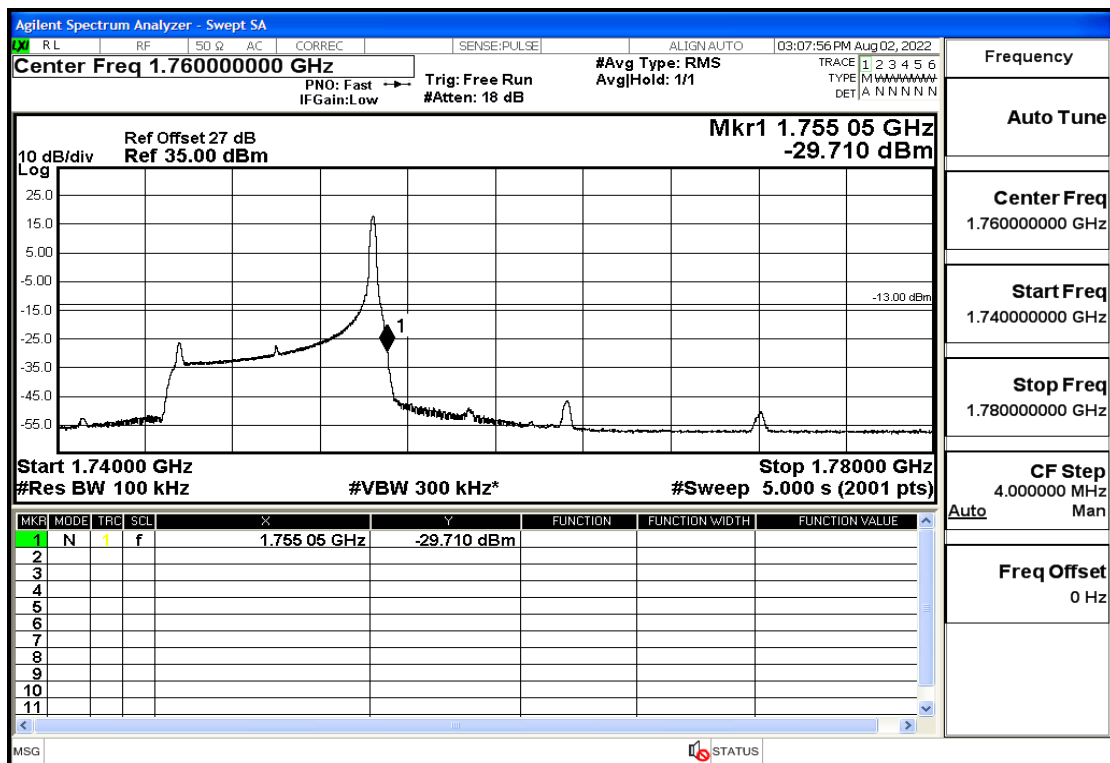
Band4-10-1715-16QAM-1#LOW@Pass



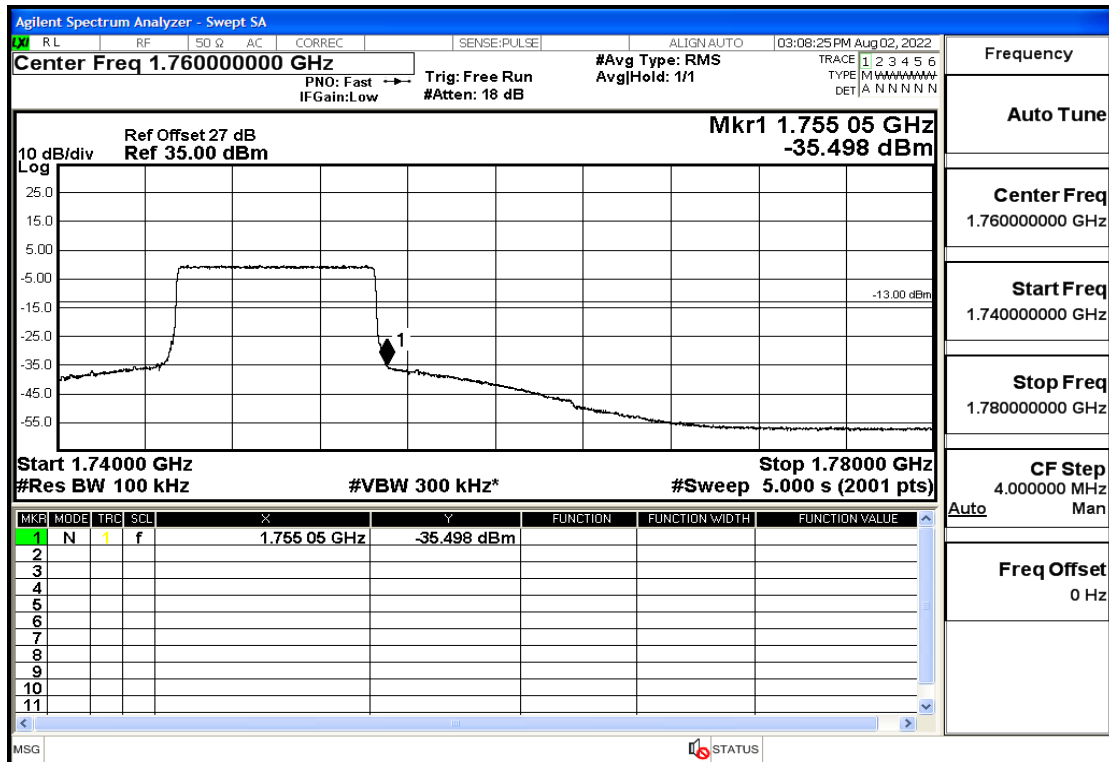
Band4-10-1750-QPSK-50#LOW@Pass



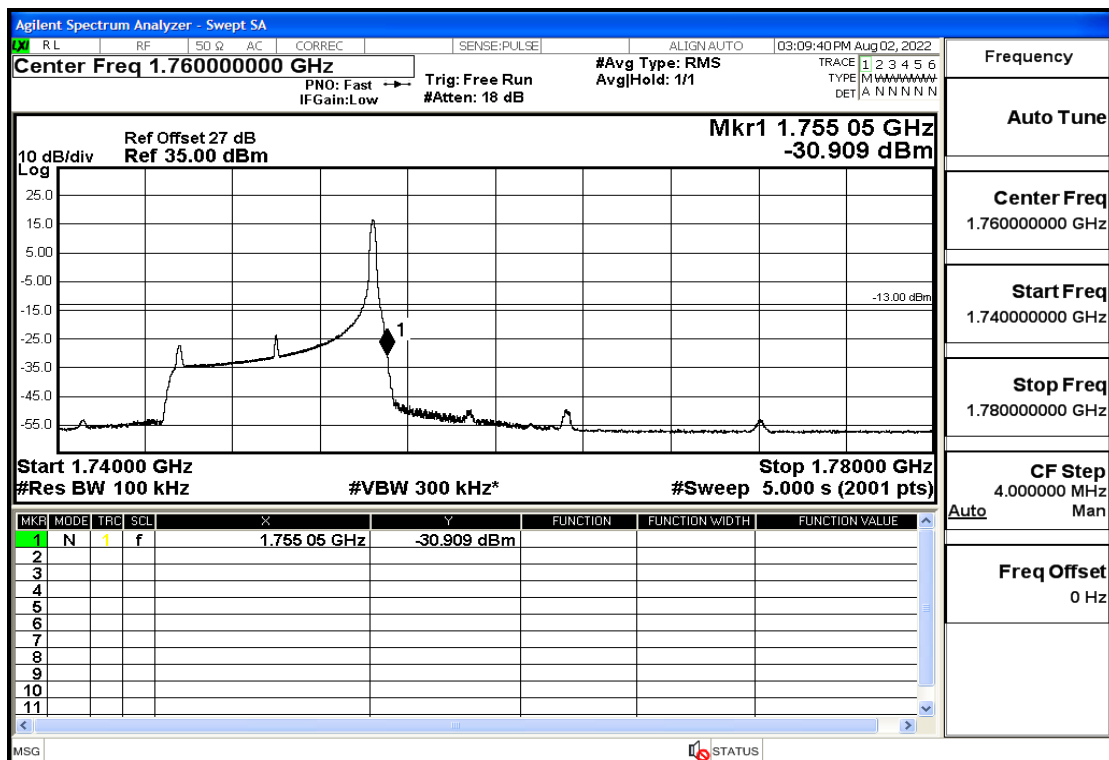
Band4-10-1750-QPSK-1#HIGH@Pass



Band4-10-1750-16QAM-50#LOW@Pass



Band4-10-1750-16QAM-1#HIGH@Pass

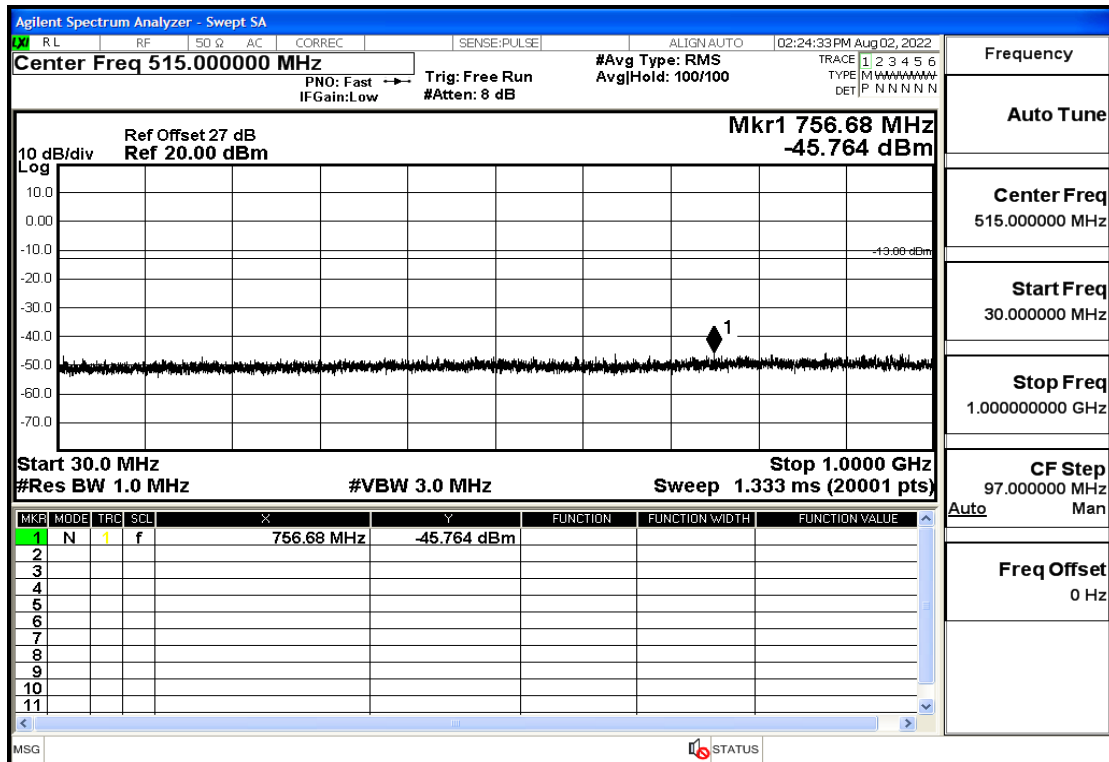


Conducted Spurious Emission

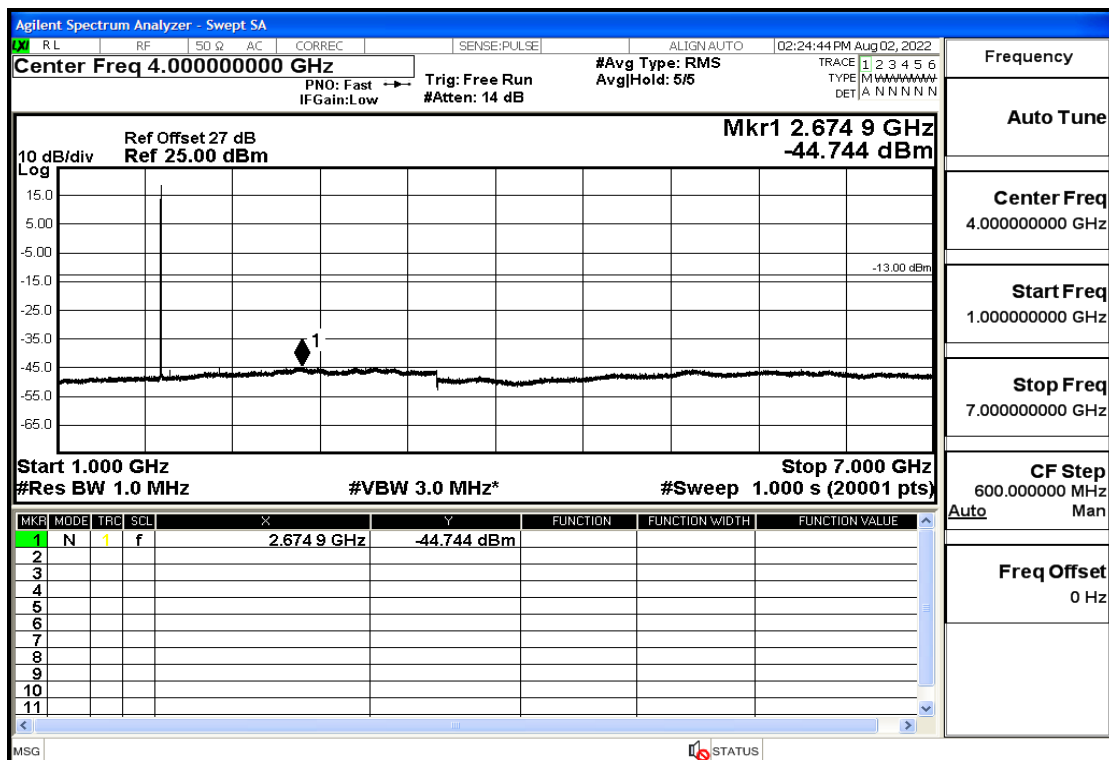
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Test Condition	Transmitter Spurious Emission(Pass/Fail)
OB4	1.4	1710.7	QPSK	6	LOW	30mHz-1GHz	Pass
OB4	1.4	1710.7	QPSK	6	LOW	1GHz-7GHz	Pass
OB4	1.4	1710.7	QPSK	6	LOW	7GHz-13.6GHz	Pass
OB4	1.4	1710.7	QPSK	6	LOW	13.6GHz-20GHz	Pass
OB4	1.4	1732.5	QPSK	6	LOW	30mHz-1GHz	Pass
OB4	1.4	1732.5	QPSK	6	LOW	1GHz-7GHz	Pass
OB4	1.4	1732.5	QPSK	6	LOW	7GHz-13.6GHz	Pass
OB4	1.4	1732.5	QPSK	6	LOW	13.6GHz-20GHz	Pass
OB4	1.4	1754.3	QPSK	6	LOW	30mHz-1GHz	Pass
OB4	1.4	1754.3	QPSK	6	LOW	1GHz-7GHz	Pass
OB4	1.4	1754.3	QPSK	6	LOW	7GHz-13.6GHz	Pass
OB4	1.4	1754.3	QPSK	6	LOW	13.6GHz-20GHz	Pass
OB4	3	1711.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB4	3	1711.5	QPSK	15	LOW	1GHz-7GHz	Pass
OB4	3	1711.5	QPSK	15	LOW	7GHz-13.6GHz	Pass
OB4	3	1711.5	QPSK	15	LOW	13.6GHz-20GHz	Pass
OB4	3	1732.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB4	3	1732.5	QPSK	15	LOW	1GHz-7GHz	Pass
OB4	3	1732.5	QPSK	15	LOW	7GHz-13.6GHz	Pass
OB4	3	1732.5	QPSK	15	LOW	13.6GHz-20GHz	Pass
OB4	3	1753.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB4	3	1753.5	QPSK	15	LOW	1GHz-7GHz	Pass
OB4	3	1753.5	QPSK	15	LOW	7GHz-13.6GHz	Pass
OB4	3	1753.5	QPSK	15	LOW	13.6GHz-20GHz	Pass
OB4	5	1712.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB4	5	1712.5	QPSK	25	LOW	1GHz-7GHz	Pass
OB4	5	1712.5	QPSK	25	LOW	7GHz-13.6GHz	Pass
OB4	5	1712.5	QPSK	25	LOW	13.6GHz-20GHz	Pass
OB4	5	1732.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB4	5	1732.5	QPSK	25	LOW	1GHz-7GHz	Pass
OB4	5	1732.5	QPSK	25	LOW	7GHz-13.6GHz	Pass
OB4	5	1732.5	QPSK	25	LOW	13.6GHz-20GHz	Pass
OB4	5	1752.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB4	5	1752.5	QPSK	25	LOW	1GHz-7GHz	Pass
OB4	5	1752.5	QPSK	25	LOW	7GHz-13.6GHz	Pass
OB4	5	1752.5	QPSK	25	LOW	13.6GHz-20GHz	Pass
OB4	10	1715	QPSK	50	LOW	30mHz-1GHz	Pass
OB4	10	1715	QPSK	50	LOW	1GHz-7GHz	Pass
OB4	10	1715	QPSK	50	LOW	7GHz-13.6GHz	Pass
OB4	10	1715	QPSK	50	LOW	13.6GHz-20GHz	Pass

OB4	10	1732.5	QPSK	50	LOW	30mHz-1GHz	Pass
OB4	10	1732.5	QPSK	50	LOW	1GHz-7GHz	Pass
OB4	10	1732.5	QPSK	50	LOW	7GHz-13.6GHz	Pass
OB4	10	1732.5	QPSK	50	LOW	13.6GHz-20GHz	Pass
OB4	10	1750	QPSK	50	LOW	30mHz-1GHz	Pass
OB4	10	1750	QPSK	50	LOW	1GHz-7GHz	Pass
OB4	10	1750	QPSK	50	LOW	7GHz-13.6GHz	Pass
OB4	10	1750	QPSK	50	LOW	13.6GHz-20GHz	Pass

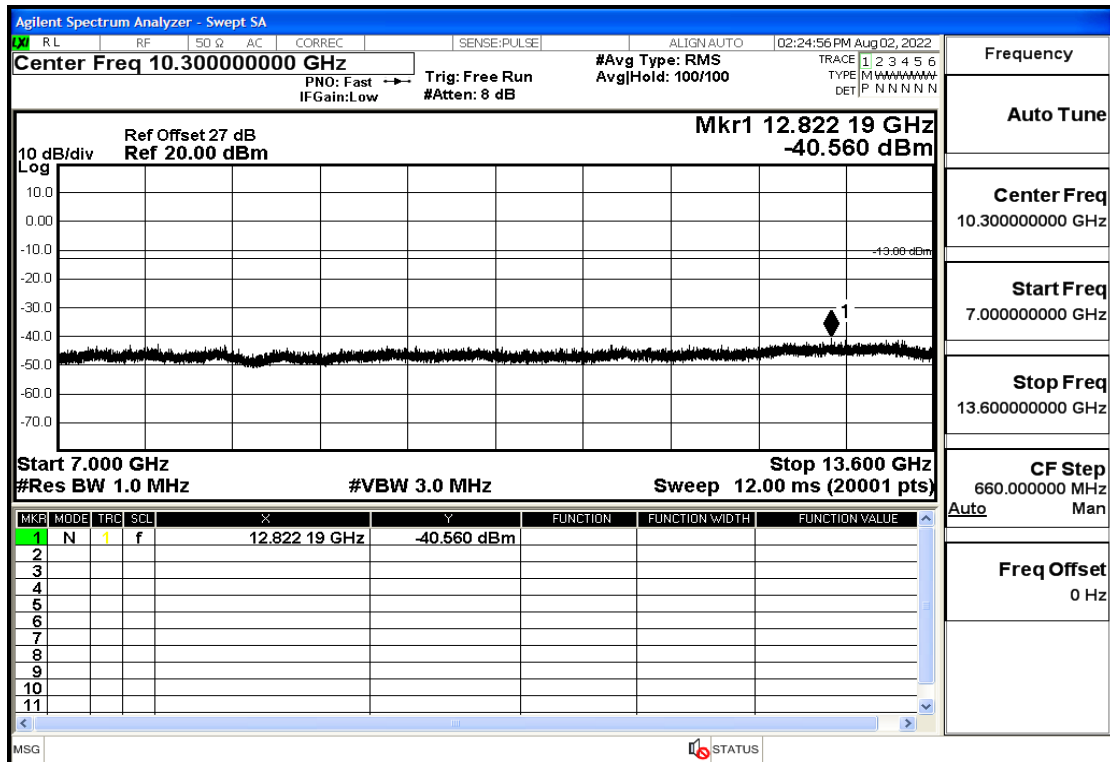
OB4-1.4-1710.7-QPSK-6#LOW@30mHz-1GHz@Pass



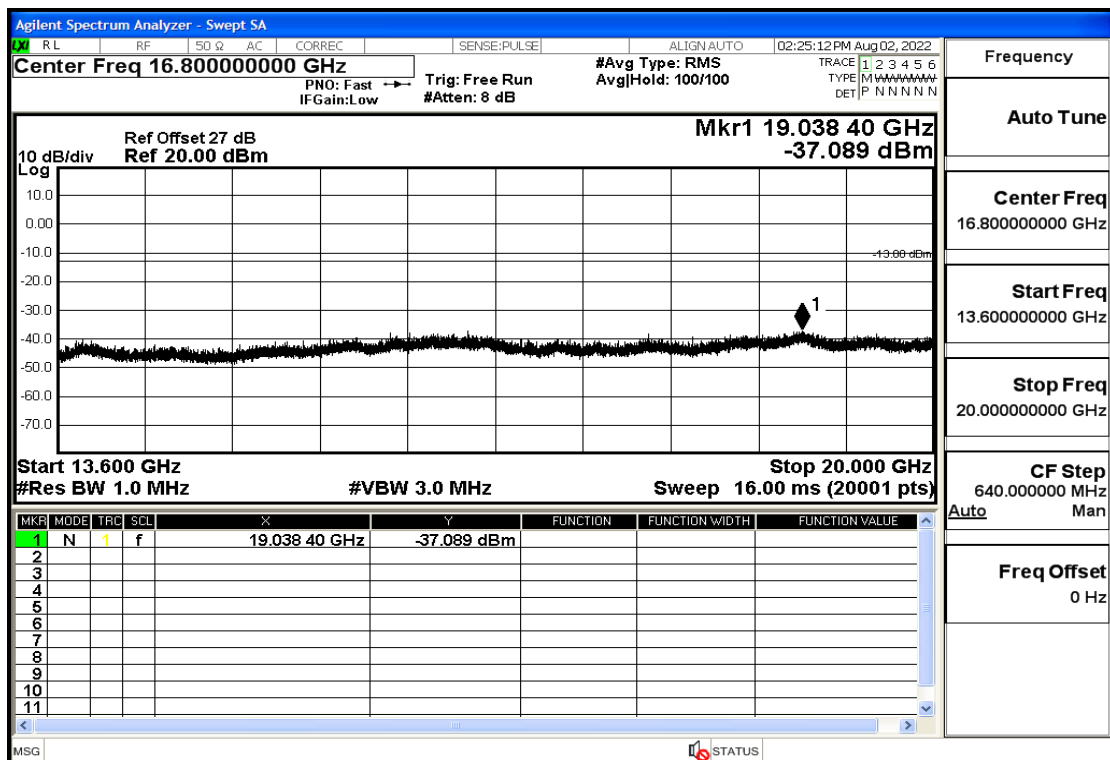
OB4-1.4-1710.7-QPSK-6#LOW@1GHz-7GHz@Pass



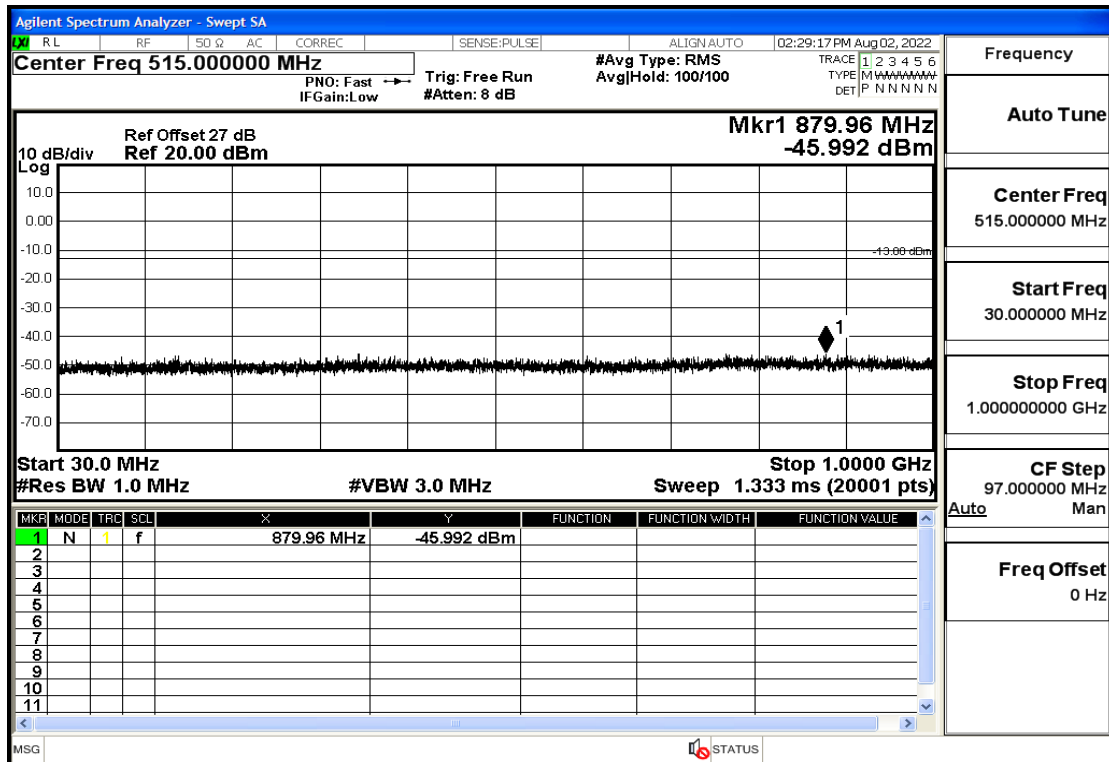
OB4-1.4-1710.7-QPSK-6#LOW@7GHz-13.6GHz@Pass



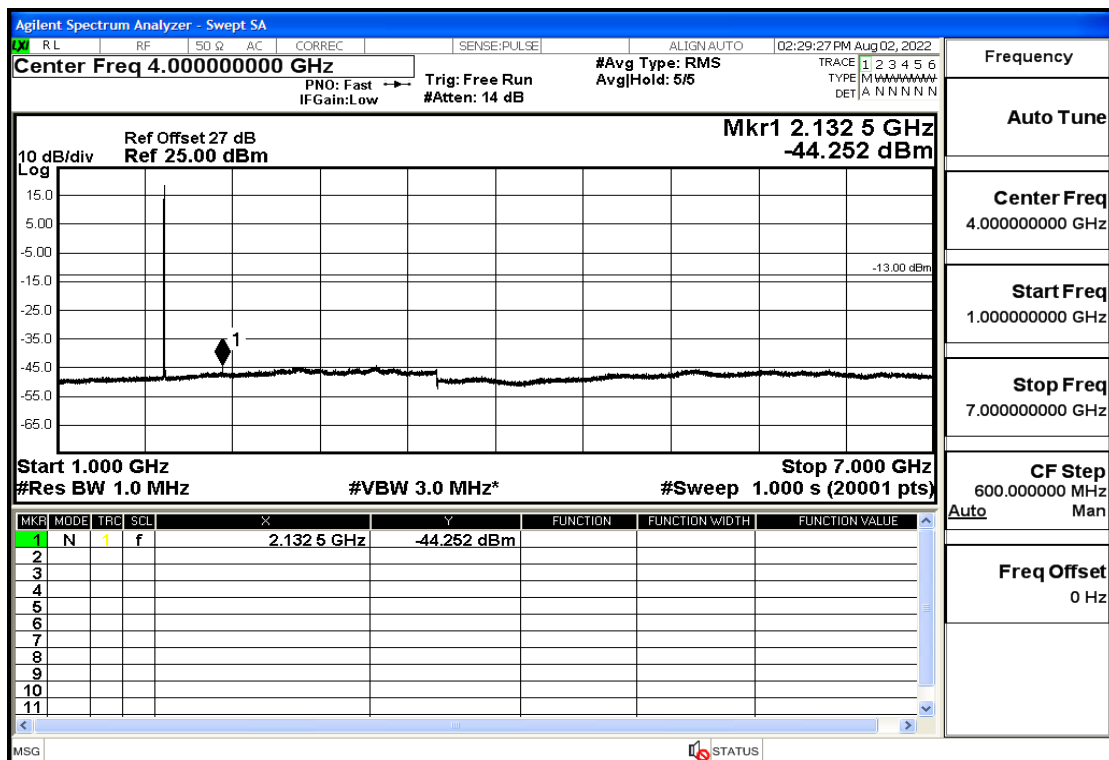
OB4-1.4-1710.7-QPSK-6#LOW@13.6GHz-20GHz@Pass



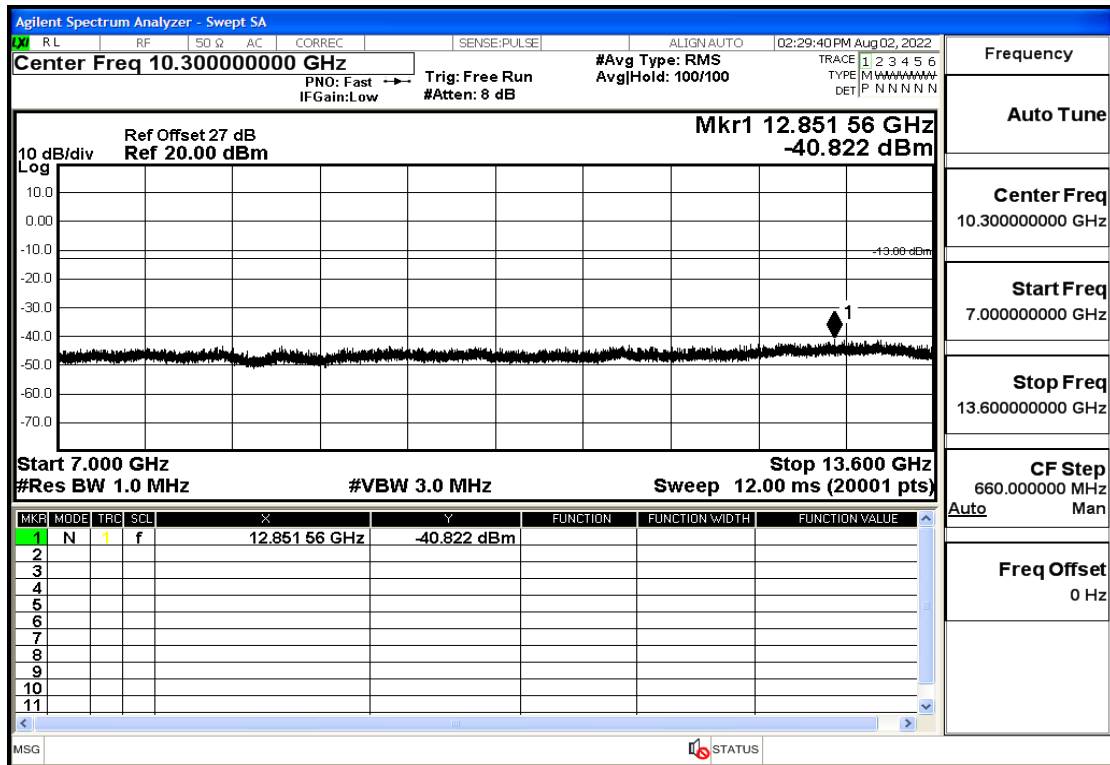
OB4-1.4-1732.5-QPSK-6#LOW@30mHz-1GHz@Pass



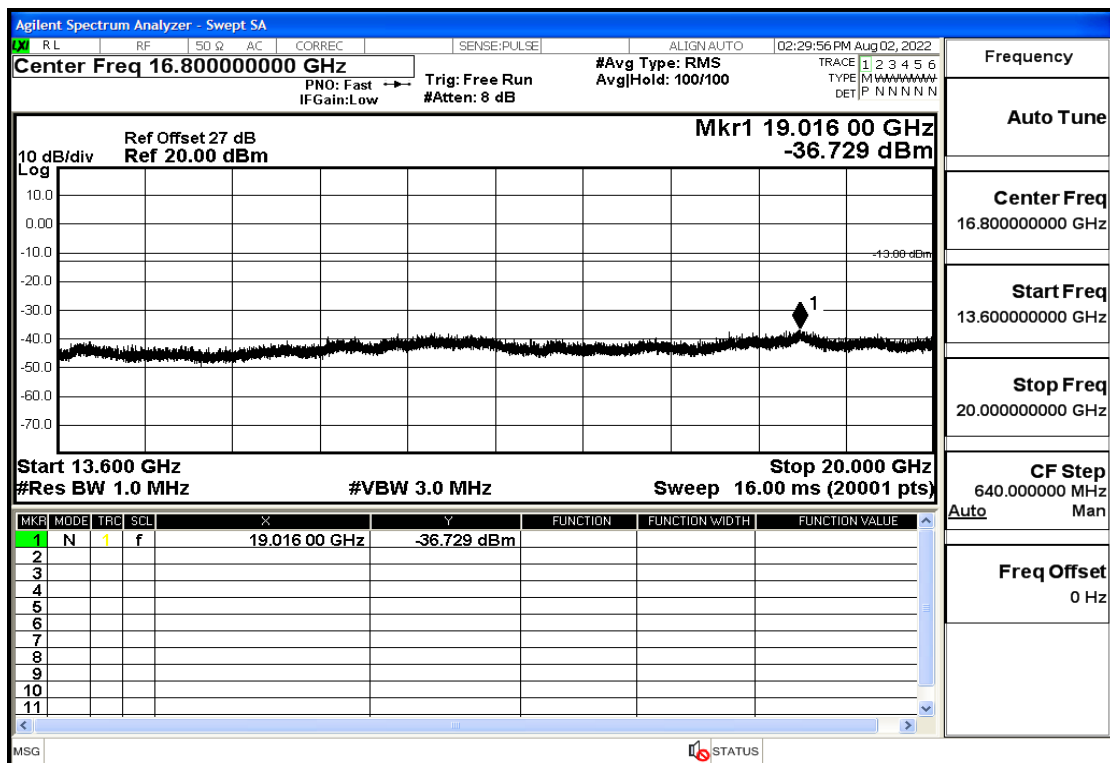
OB4-1.4-1732.5-QPSK-6#LOW@1GHz-7GHz@Pass



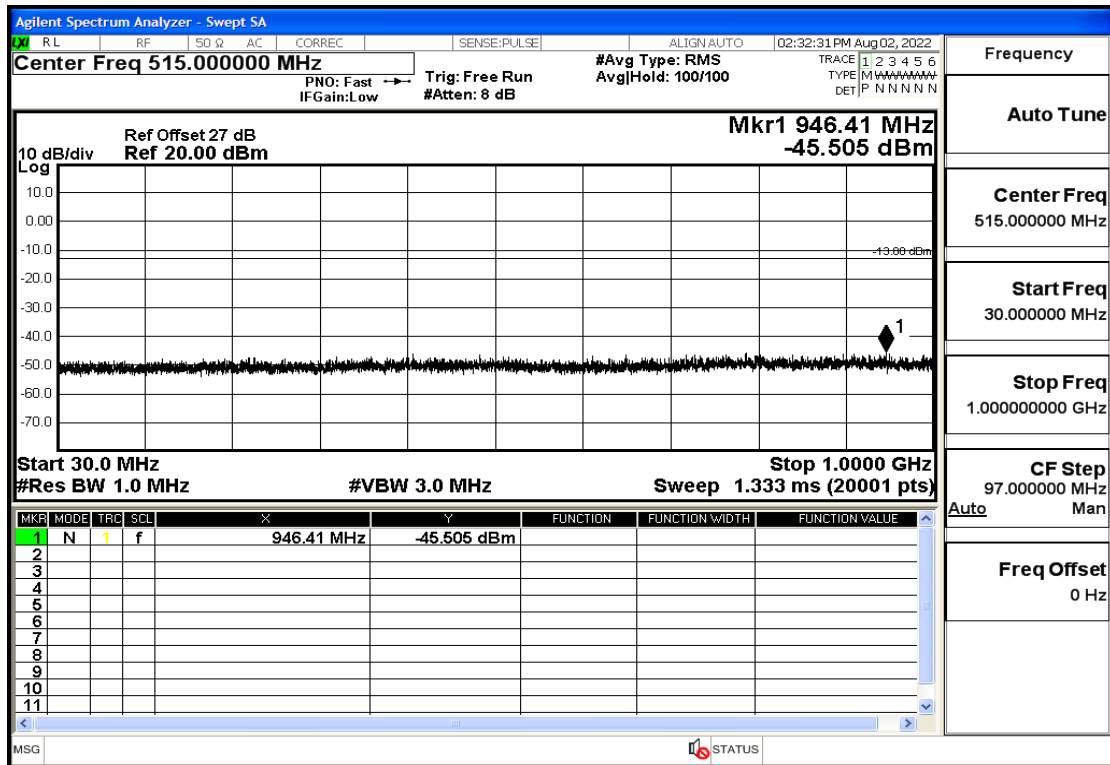
OB4-1.4-1732.5-QPSK-6#LOW@7GHz-13.6GHz@Pass



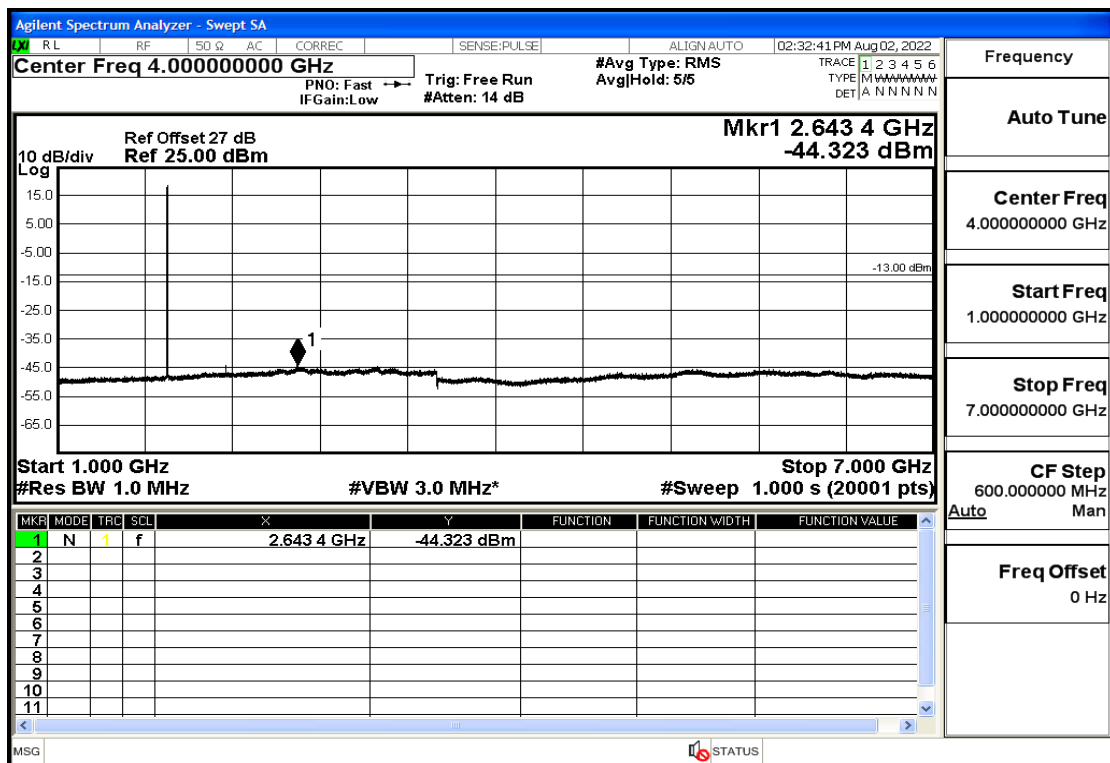
OB4-1.4-1732.5-QPSK-6#LOW@13.6GHz-20GHz@Pass



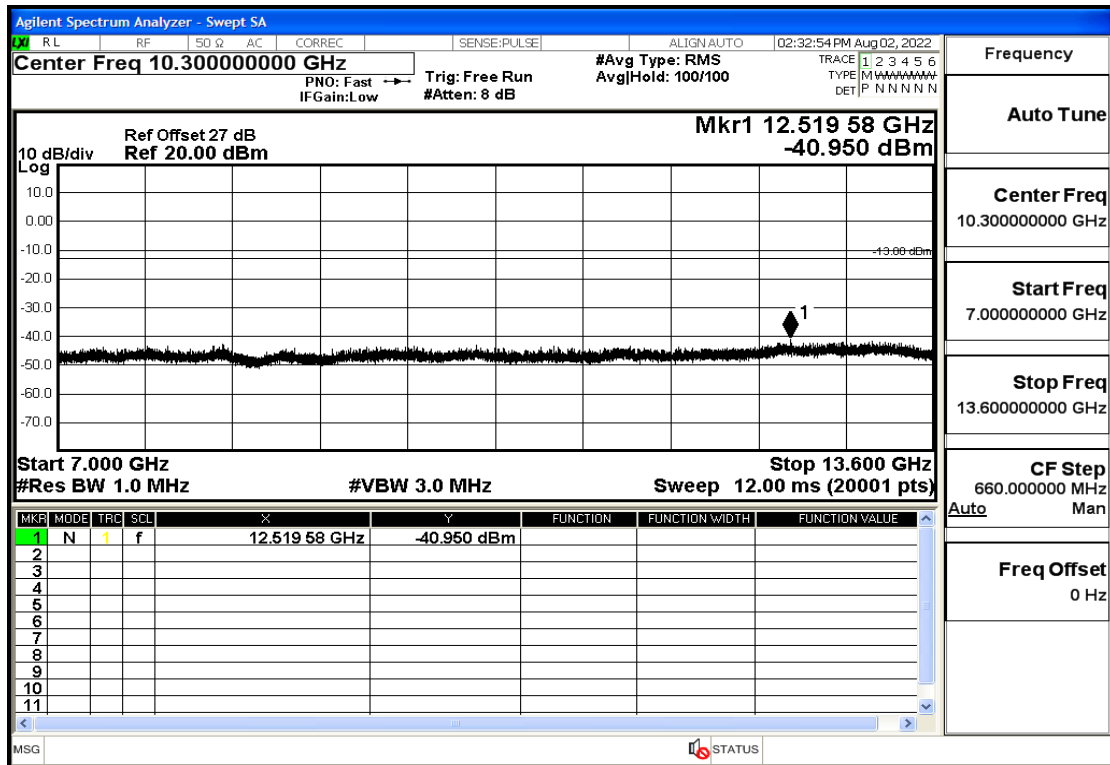
OB4-1.4-1754.3-QPSK-6#LOW@30mHz-1GHz@Pass



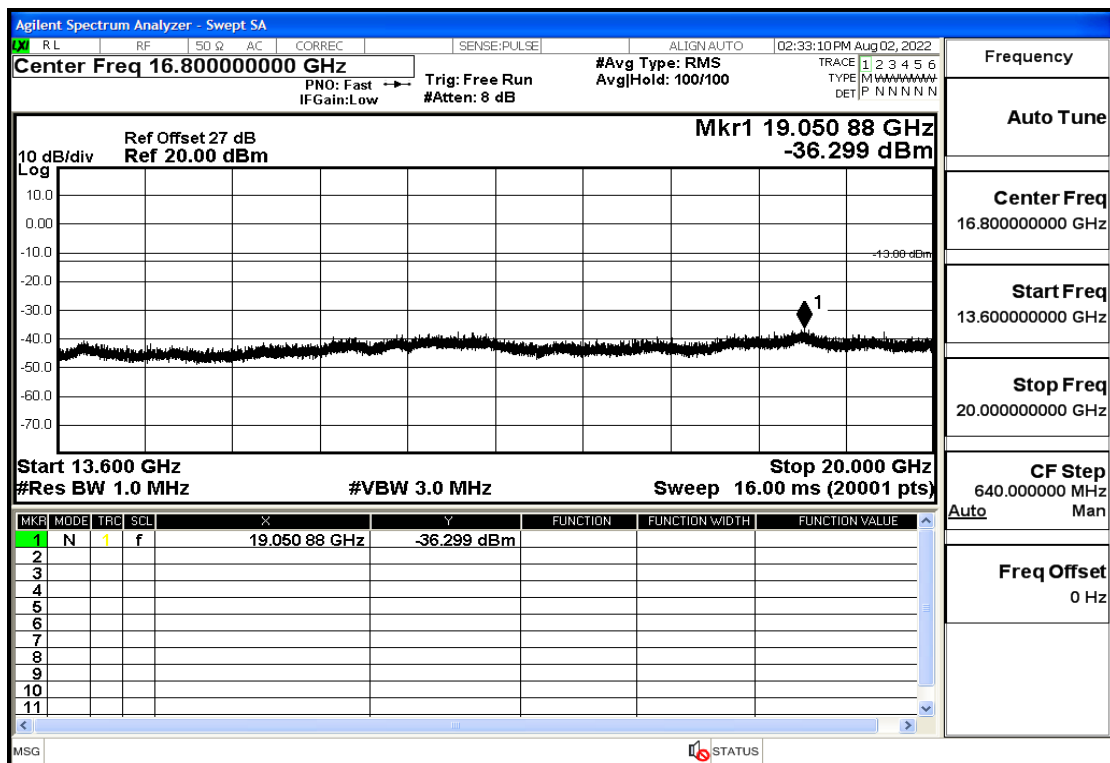
OB4-1.4-1754.3-QPSK-6#LOW@1GHz-7GHz@Pass



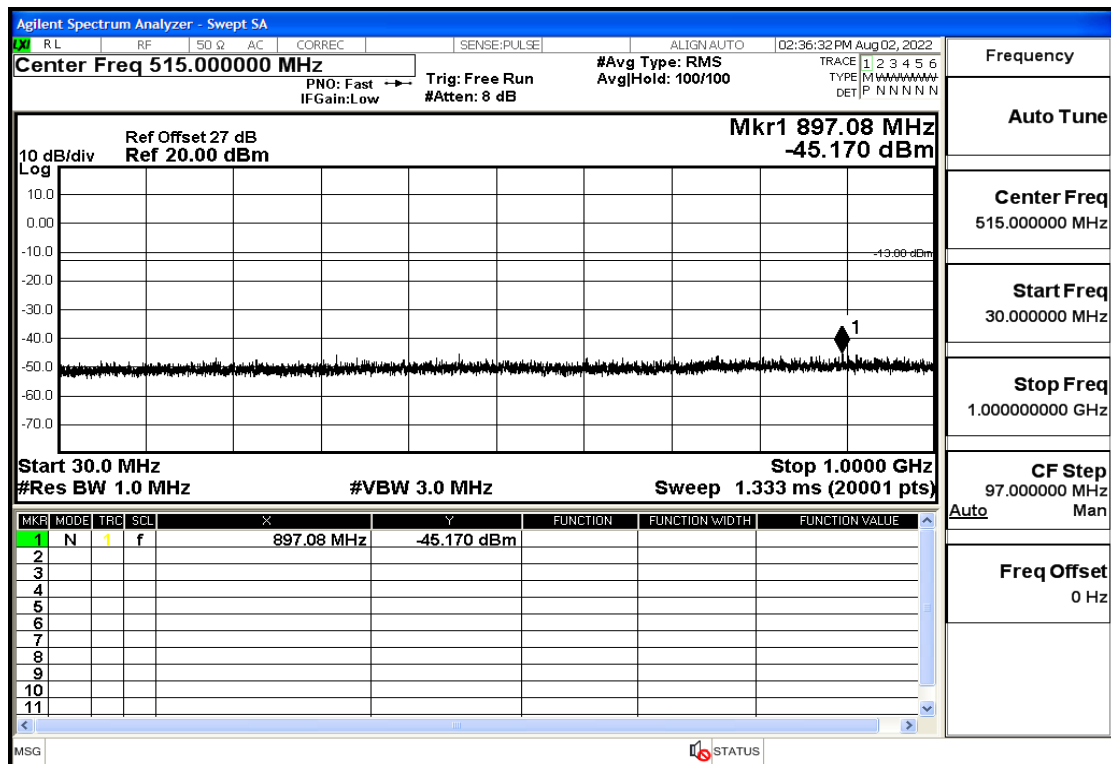
OB4-1.4-1754.3-QPSK-6#LOW@7GHz-13.6GHz@Pass



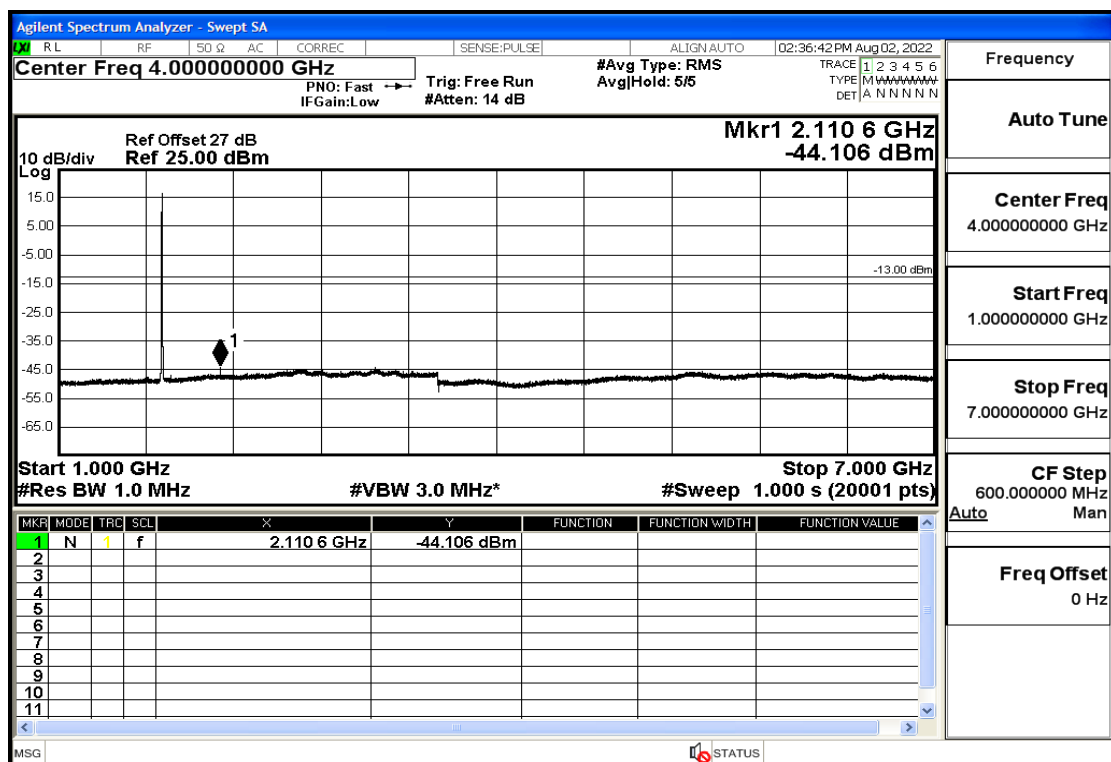
OB4-1.4-1754.3-QPSK-6#LOW@13.6GHz-20GHz@Pass



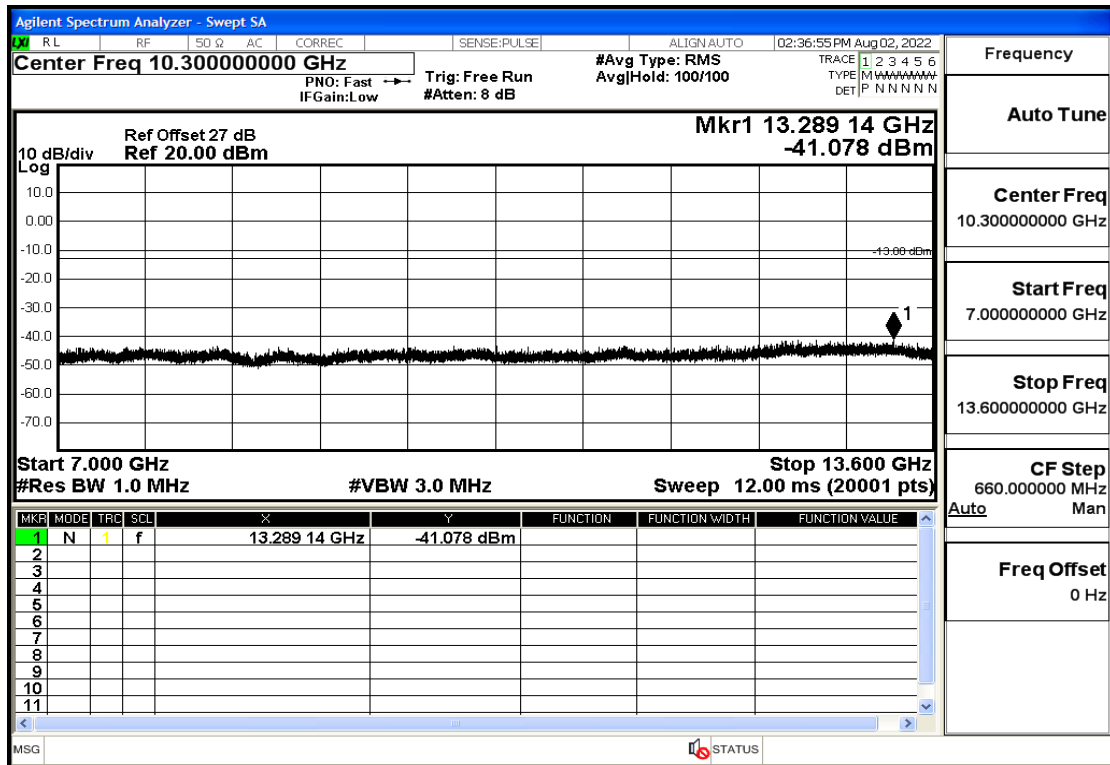
OB4-3-1711.5-QPSK-15#LOW@30MHz-1GHz@Pass



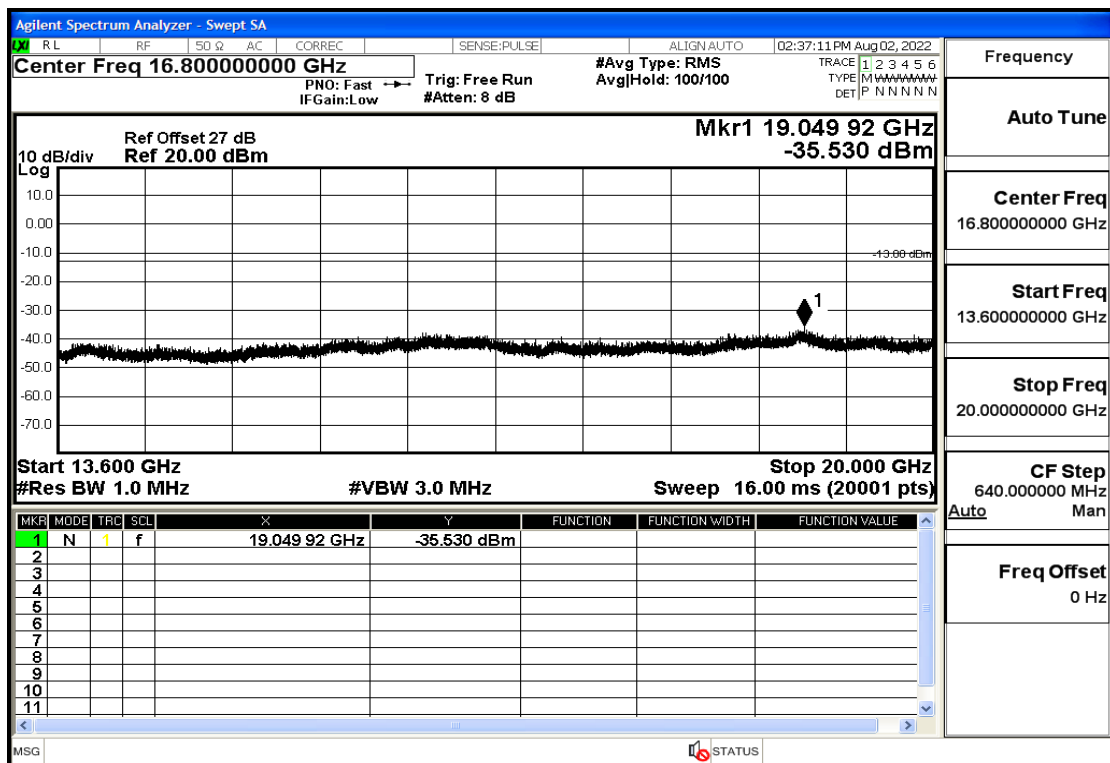
OB4-3-1711.5-QPSK-15#LOW@1GHz-7GHz@Pass



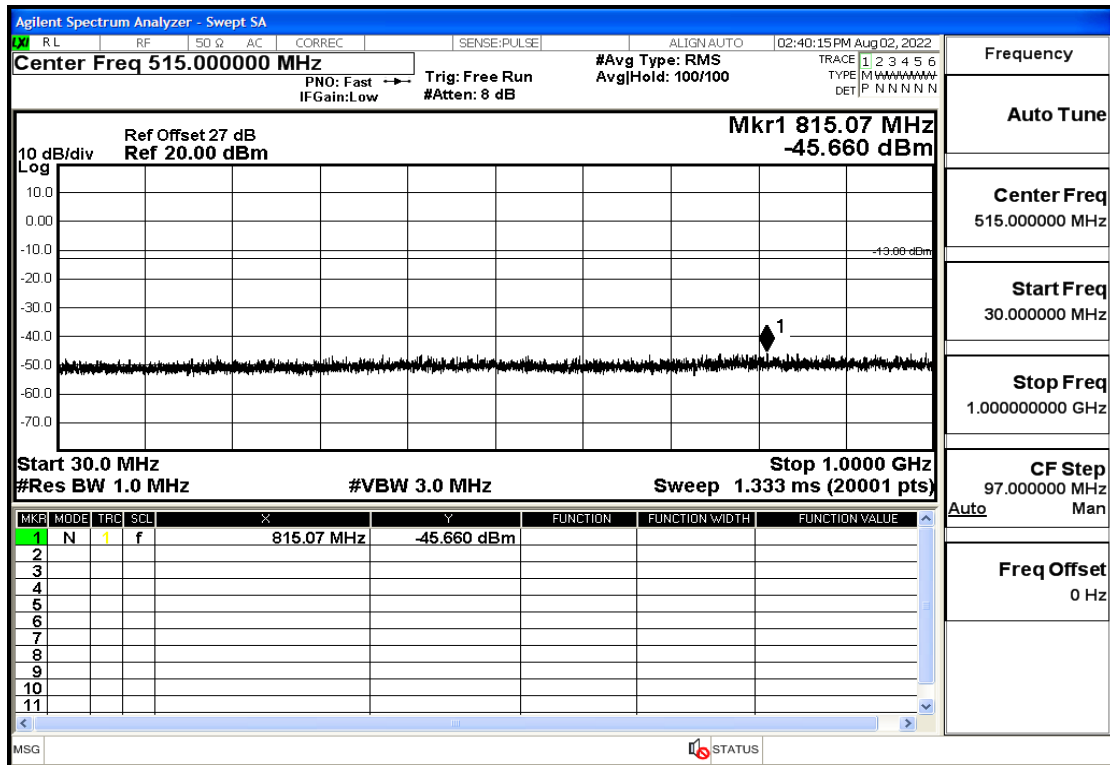
OB4-3-1711.5-QPSK-15#LOW@7GHz-13.6GHz@Pass



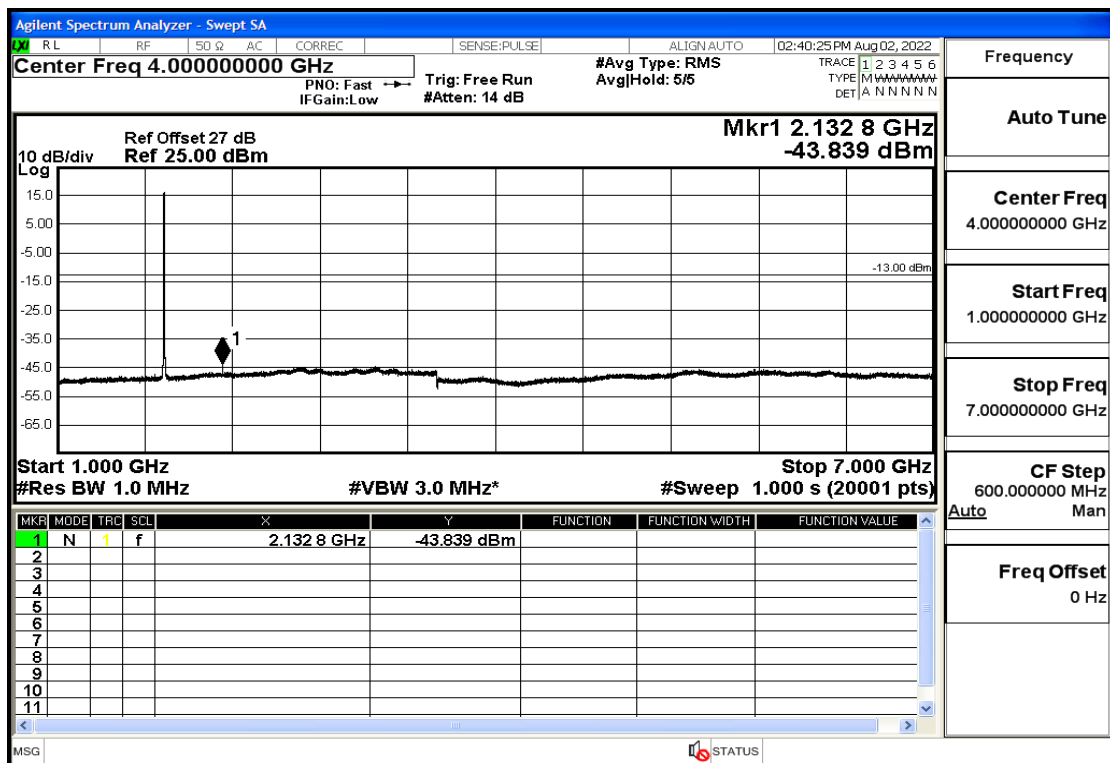
OB4-3-1711.5-QPSK-15#LOW@13.6GHz-20GHz@Pass



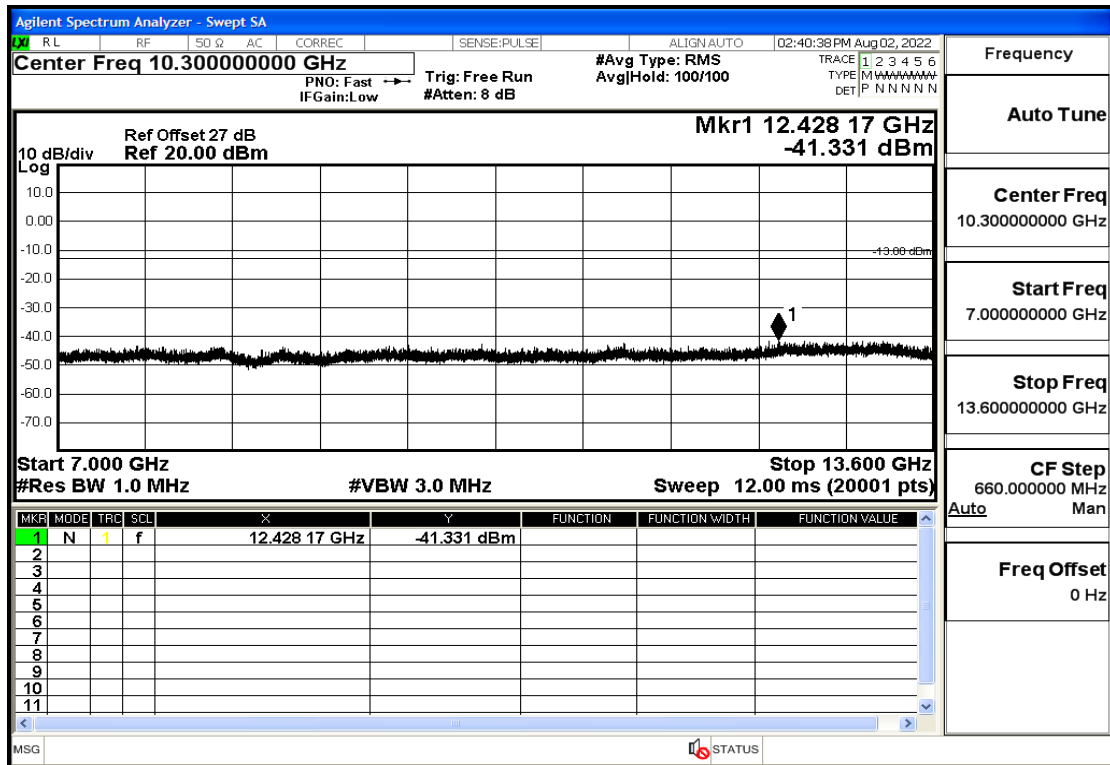
OB4-3-1732.5-QPSK-15#LOW@30MHz-1GHz@Pass



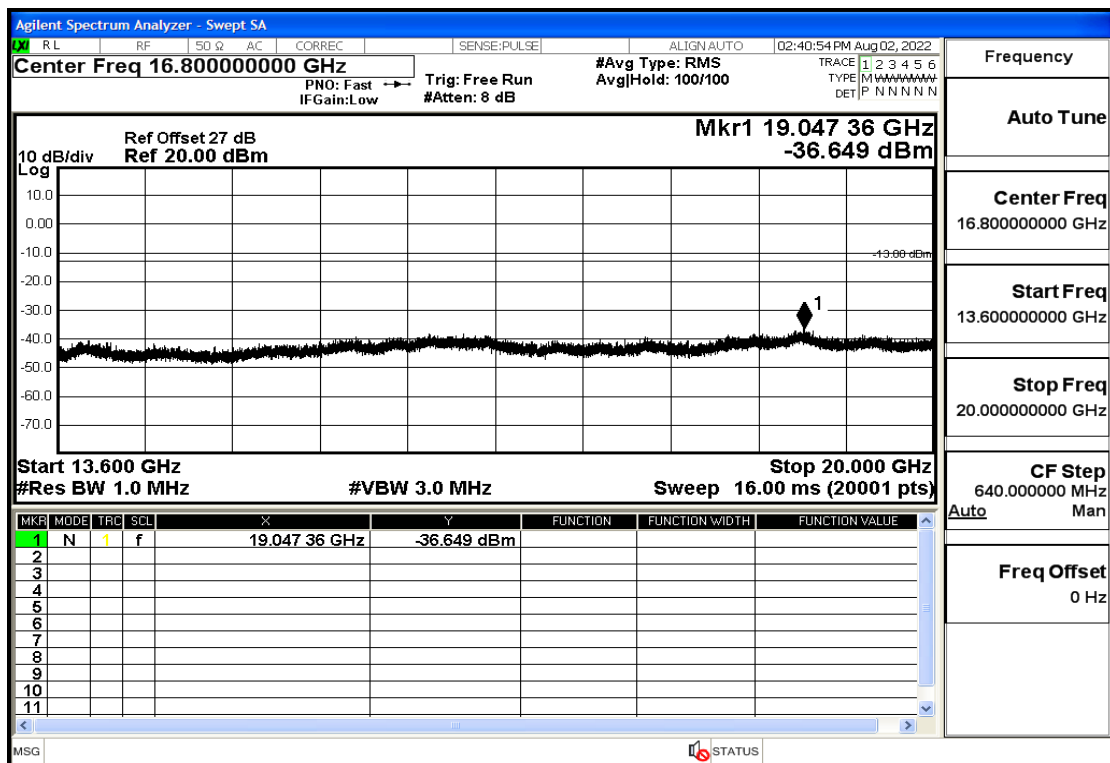
OB4-3-1732.5-QPSK-15#LOW@1GHz-7GHz@Pass



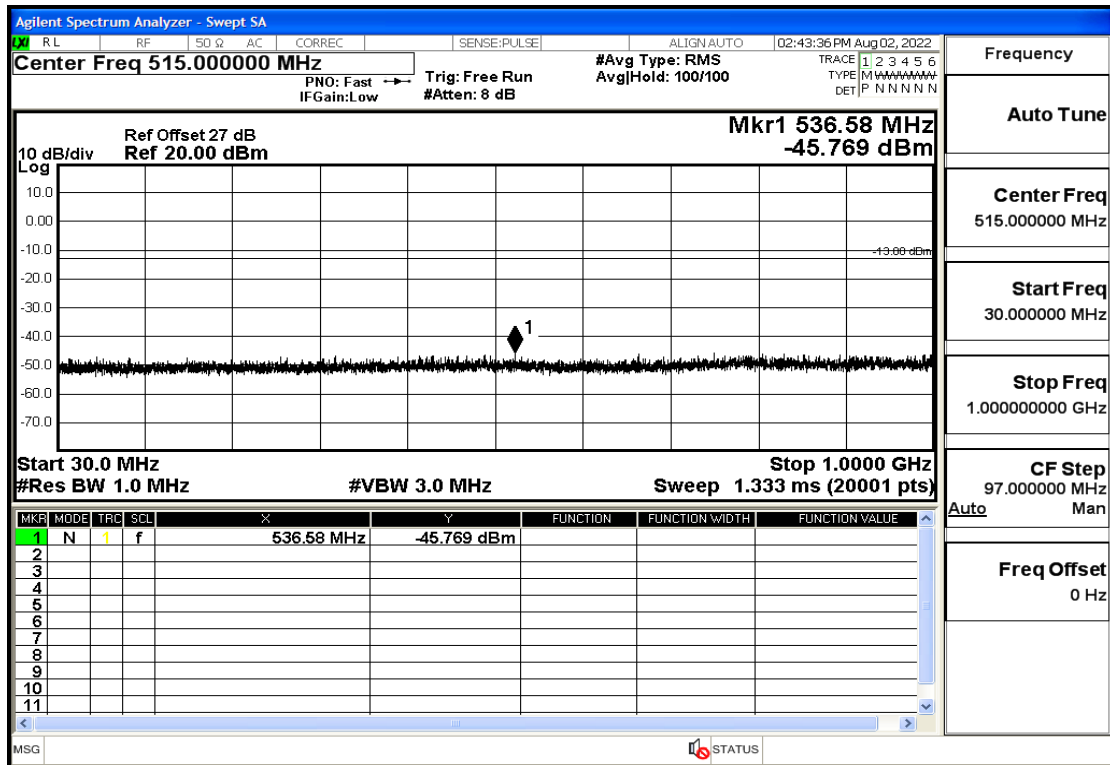
OB4-3-1732.5-QPSK-15#LOW@7GHz-13.6GHz@Pass



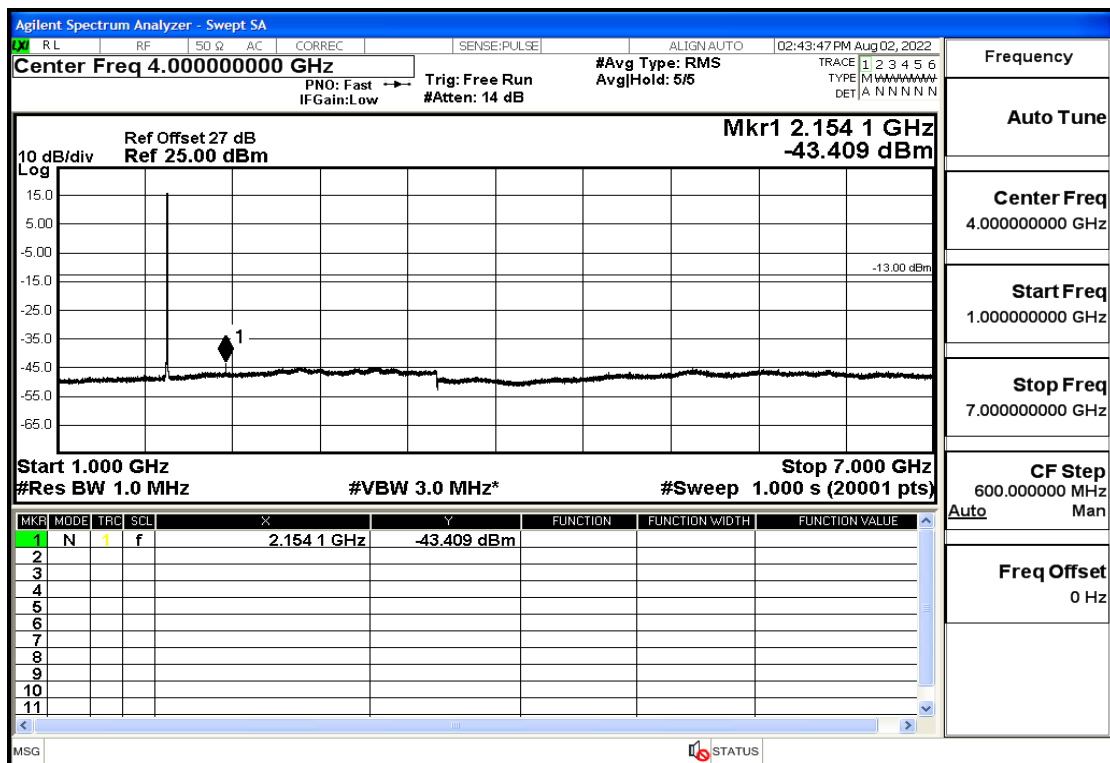
OB4-3-1732.5-QPSK-15#LOW@13.6GHz-20GHz@Pass



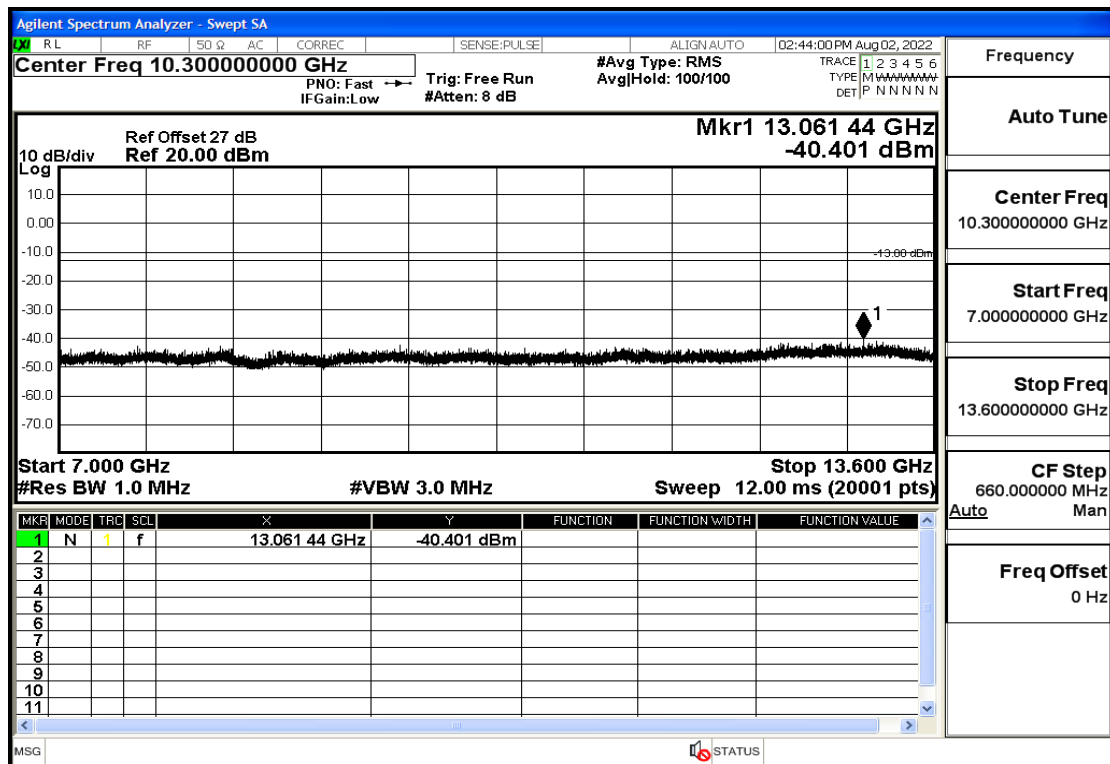
OB4-3-1753.5-QPSK-15#LOW@30MHz-1GHz@Pass



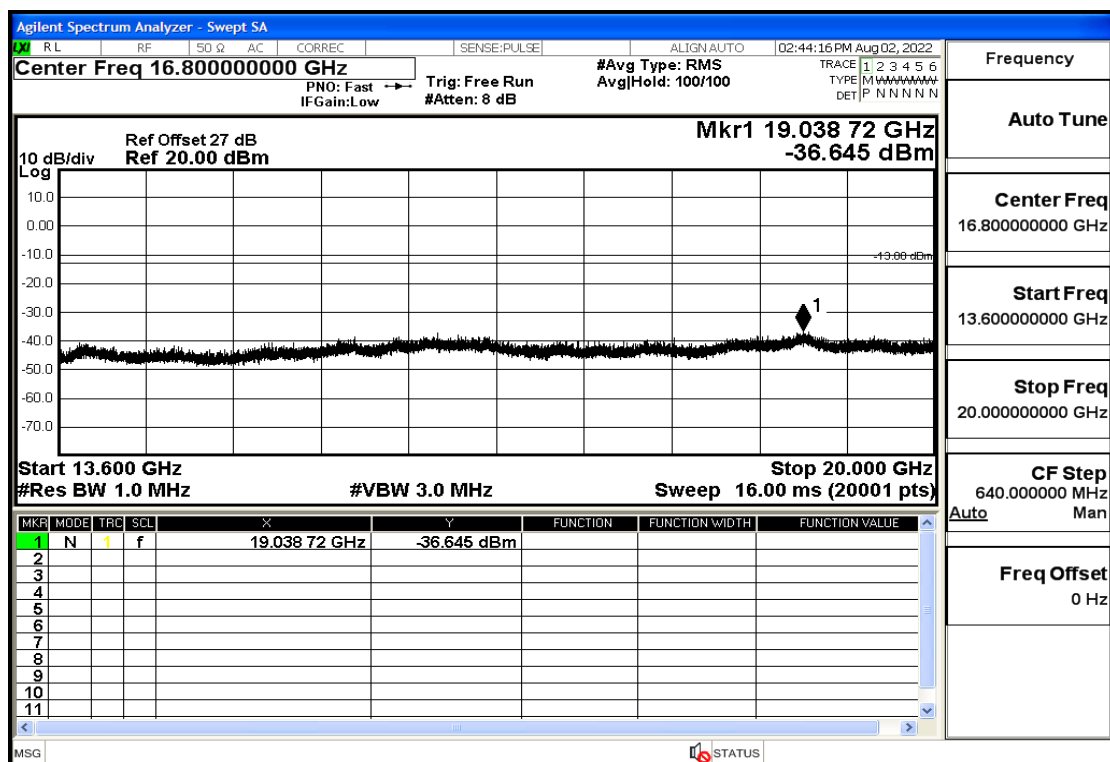
OB4-3-1753.5-QPSK-15#LOW@1GHz-7GHz@Pass



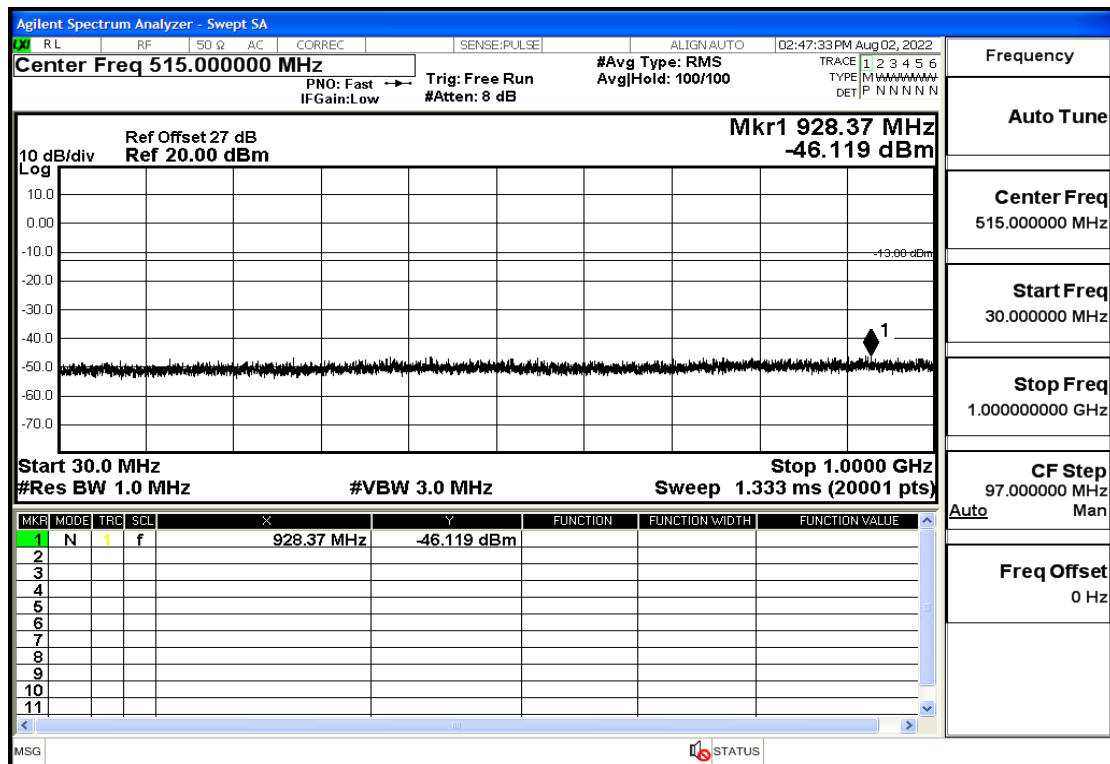
OB4-3-1753.5-QPSK-15#LOW@7GHz-13.6GHz@Pass



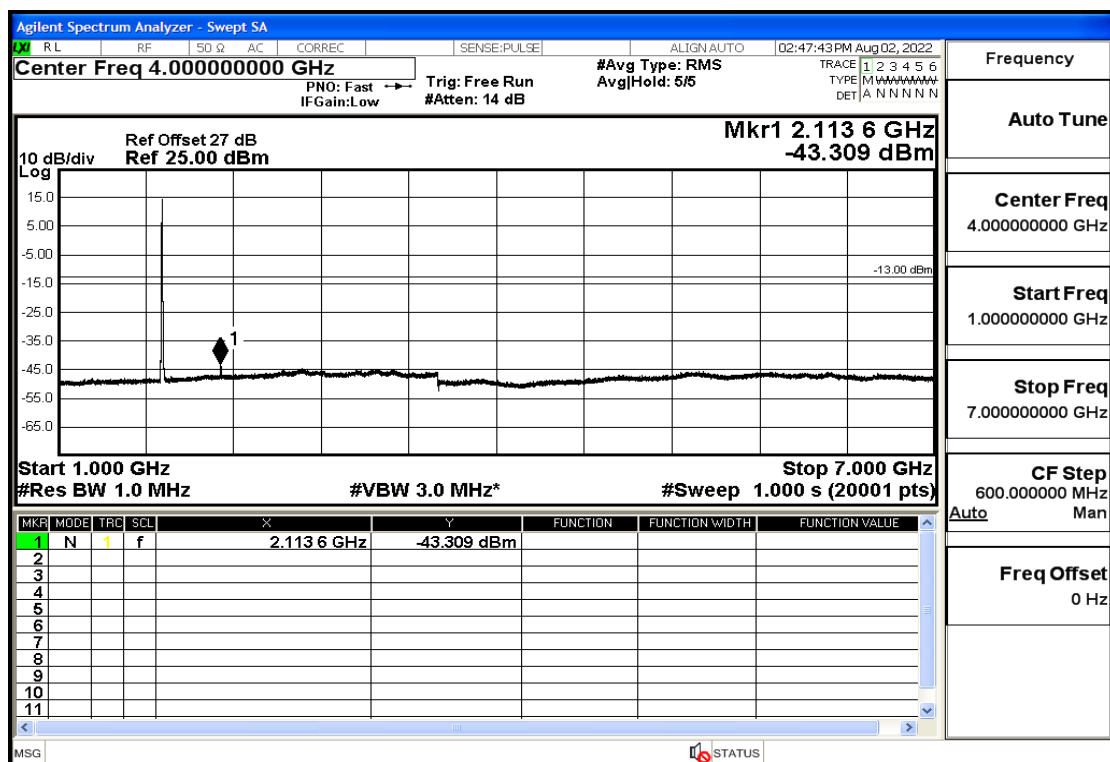
OB4-3-1753.5-QPSK-15#LOW@13.6GHz-20GHz@Pass



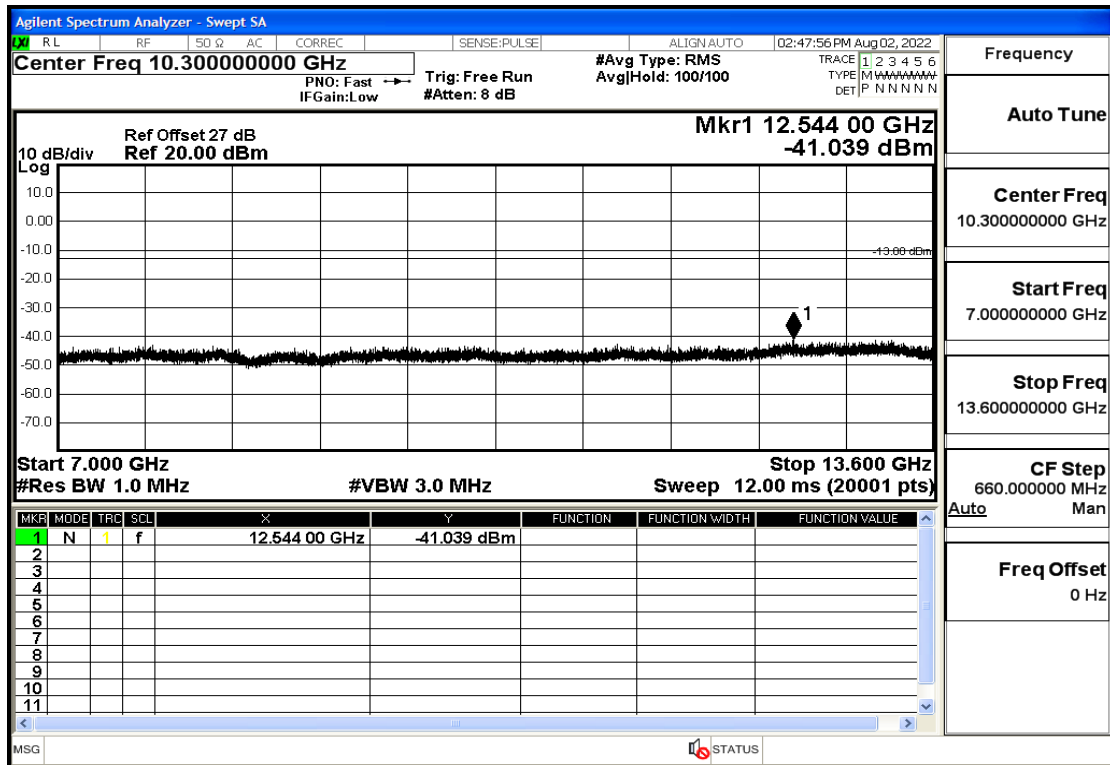
OB4-5-1712.5-QPSK-25#LOW@30MHz-1GHz@Pass



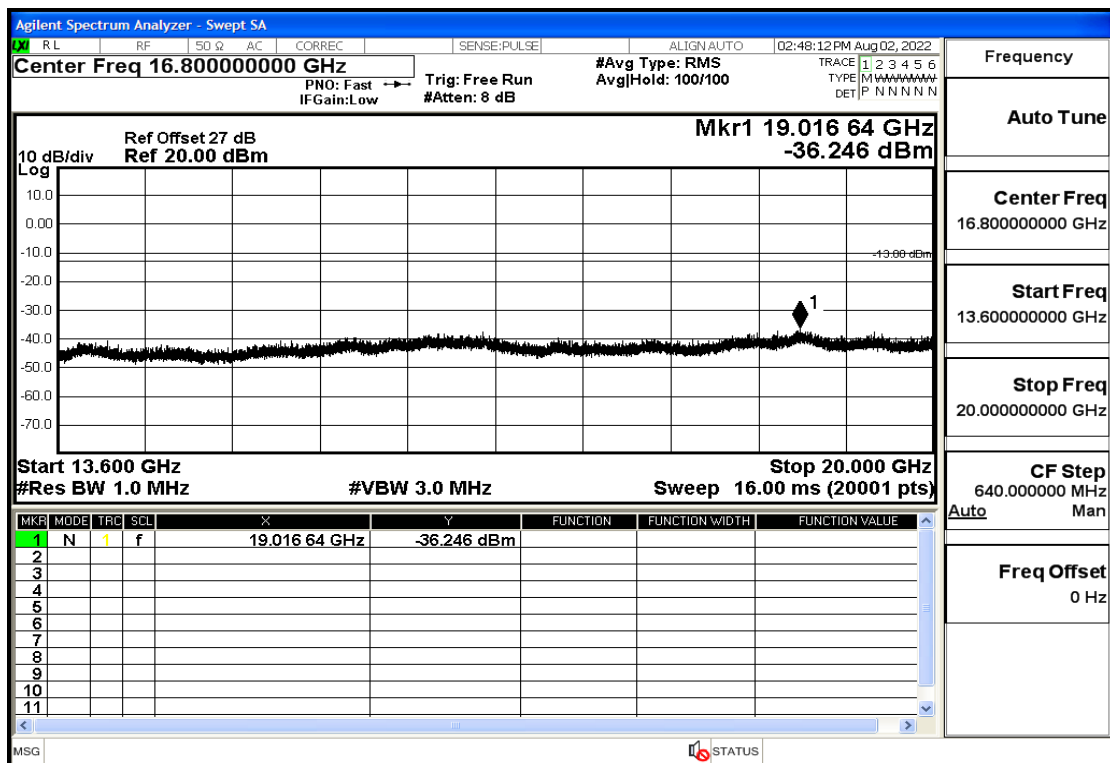
OB4-5-1712.5-QPSK-25#LOW@1GHz-7GHz@Pass



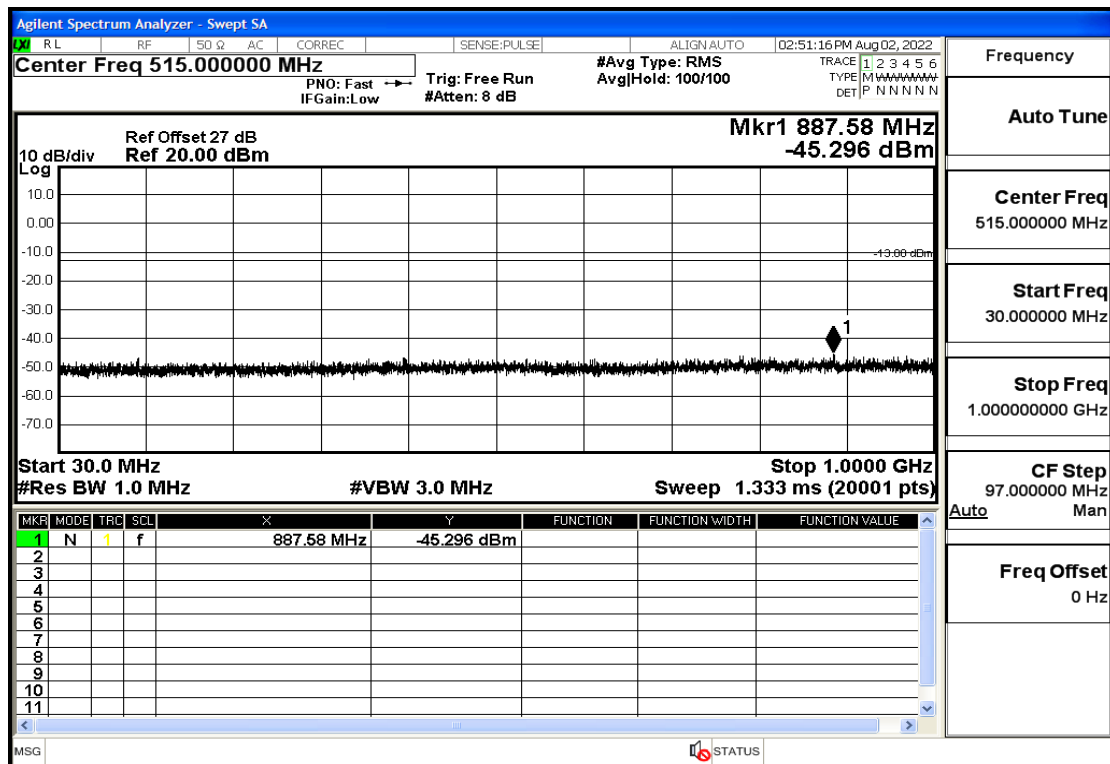
OB4-5-1712.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



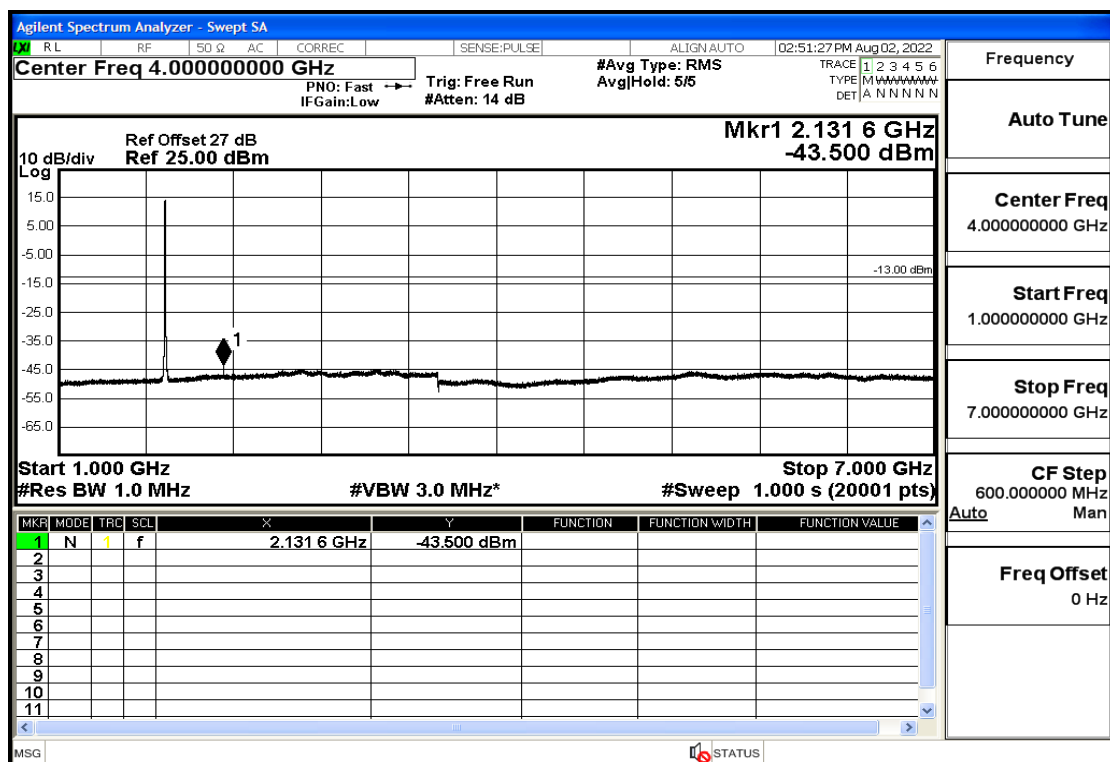
OB4-5-1712.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



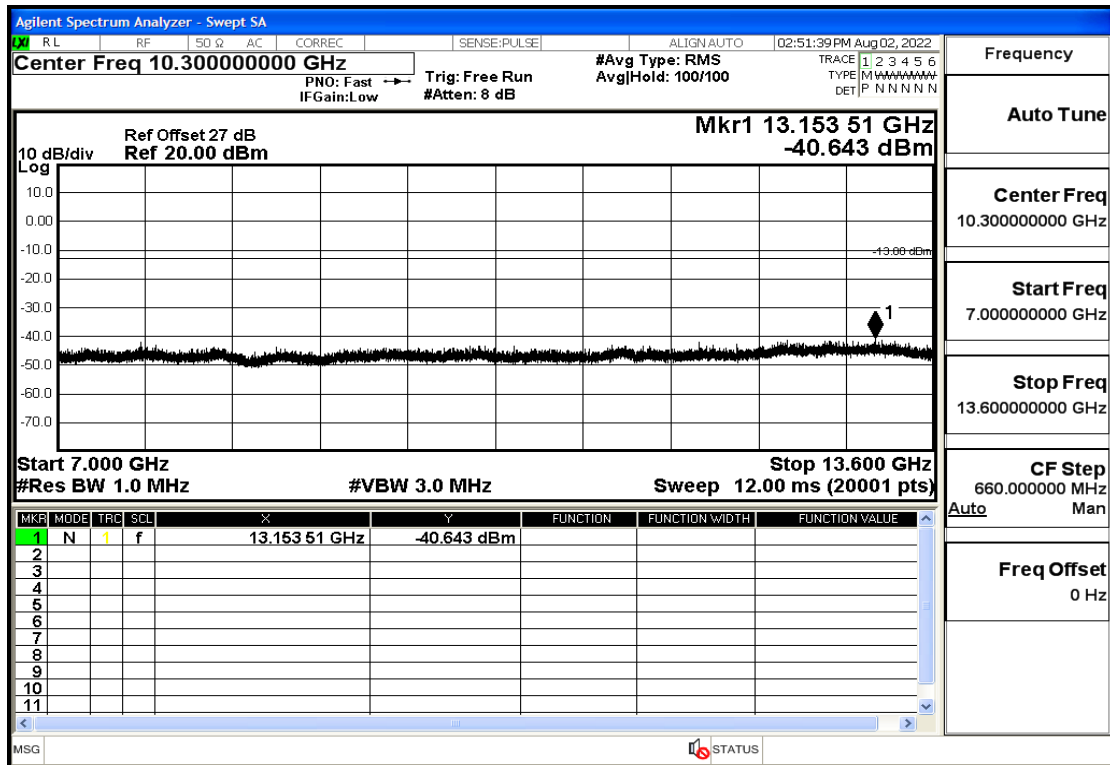
OB4-5-1732.5-QPSK-25#LOW@30MHz-1GHz@Pass



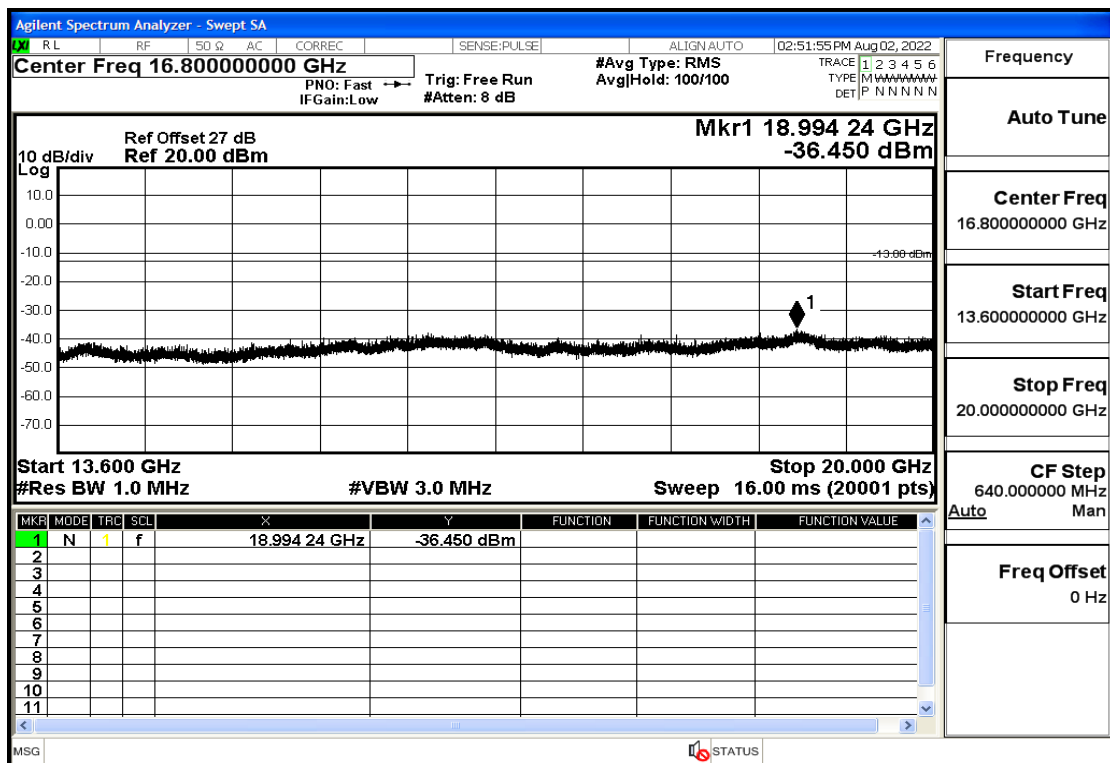
OB4-5-1732.5-QPSK-25#LOW@1GHz-7GHz@Pass



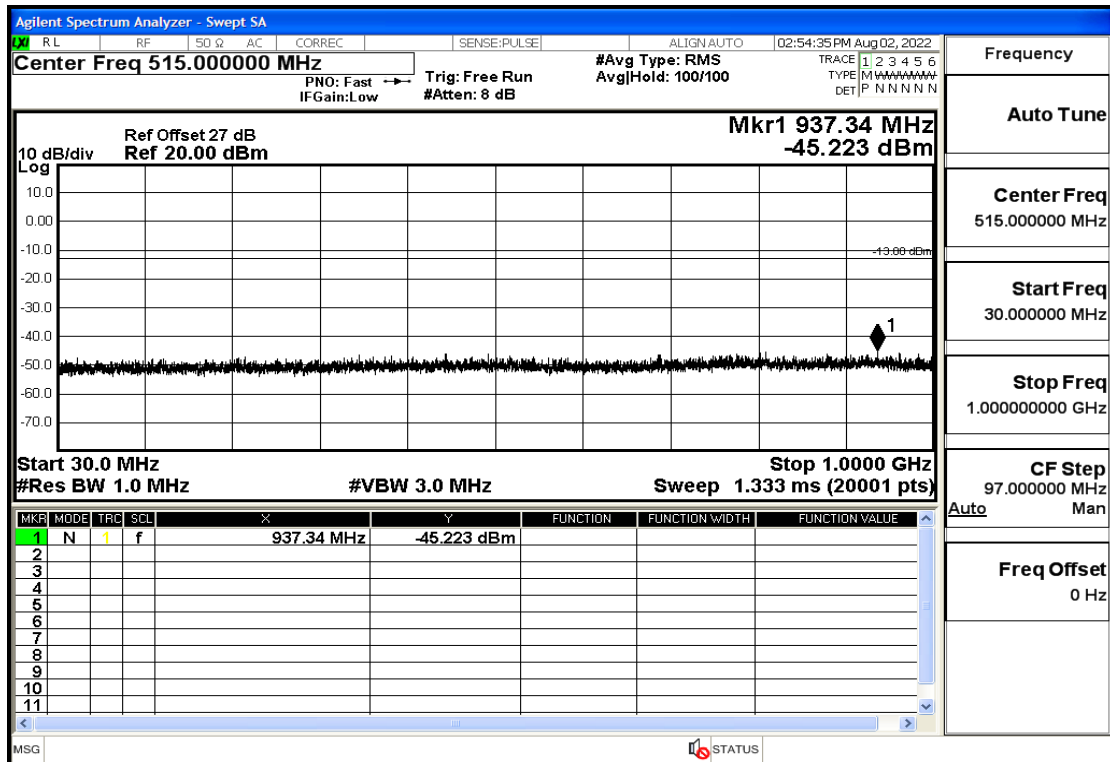
OB4-5-1732.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



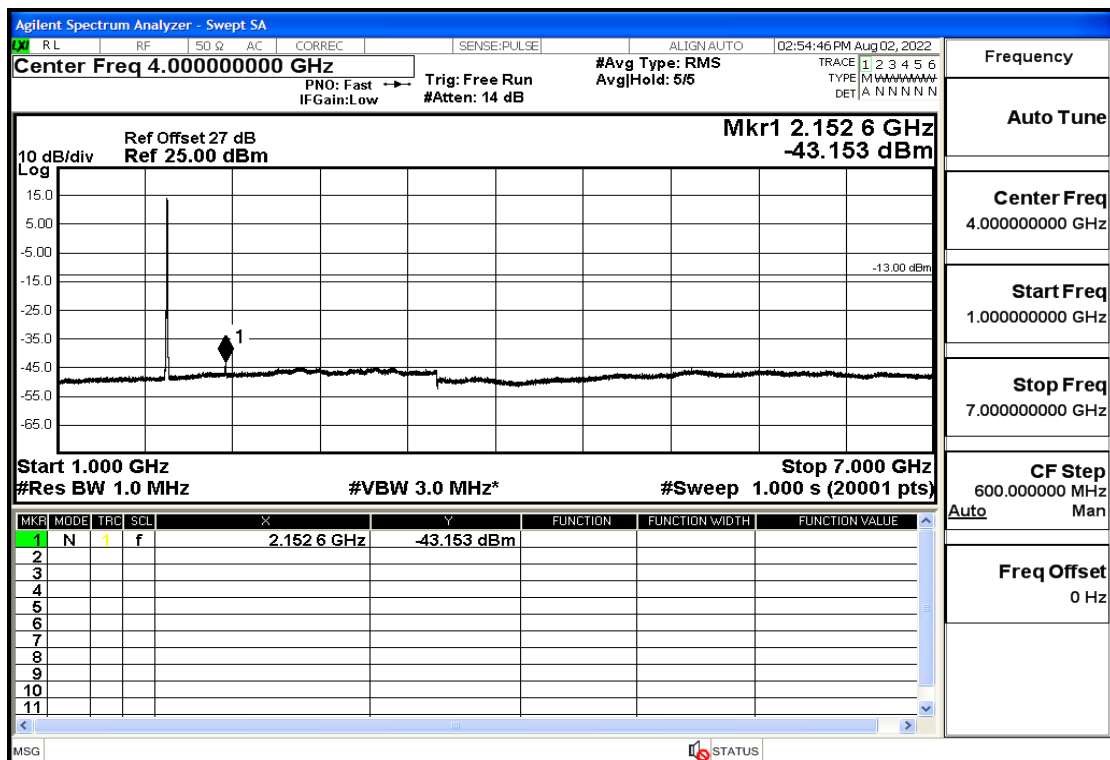
OB4-5-1732.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



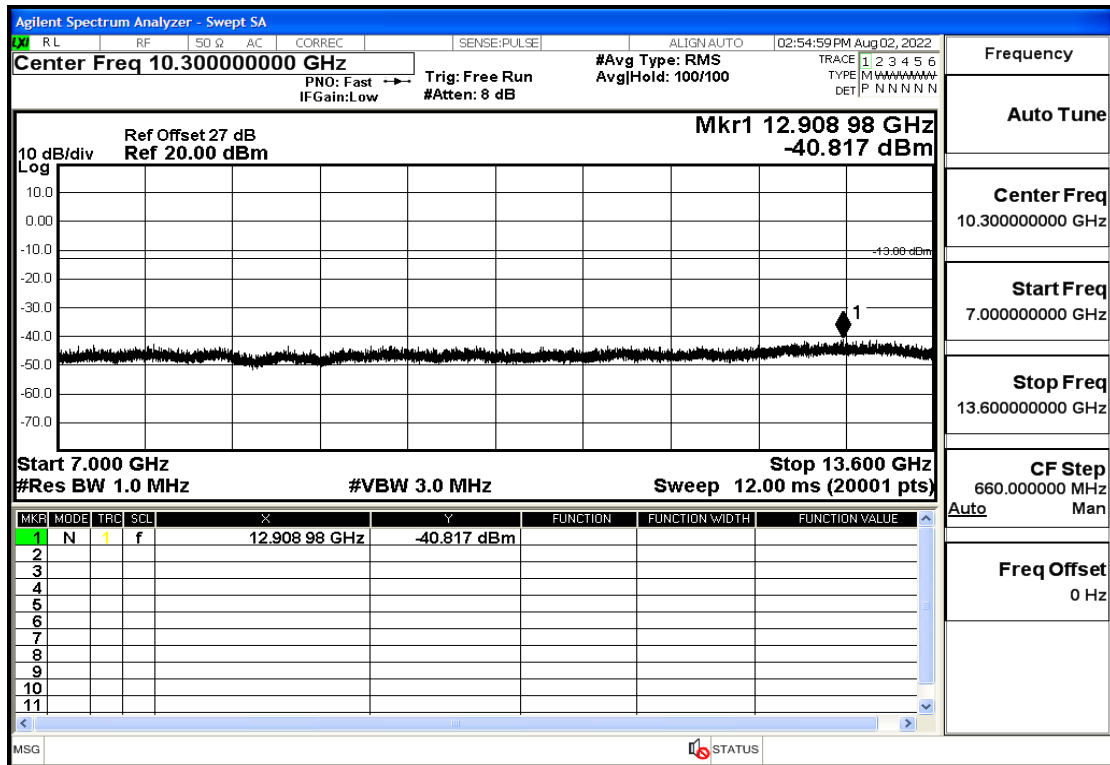
OB4-5-1752.5-QPSK-25#LOW@30MHz-1GHz@Pass



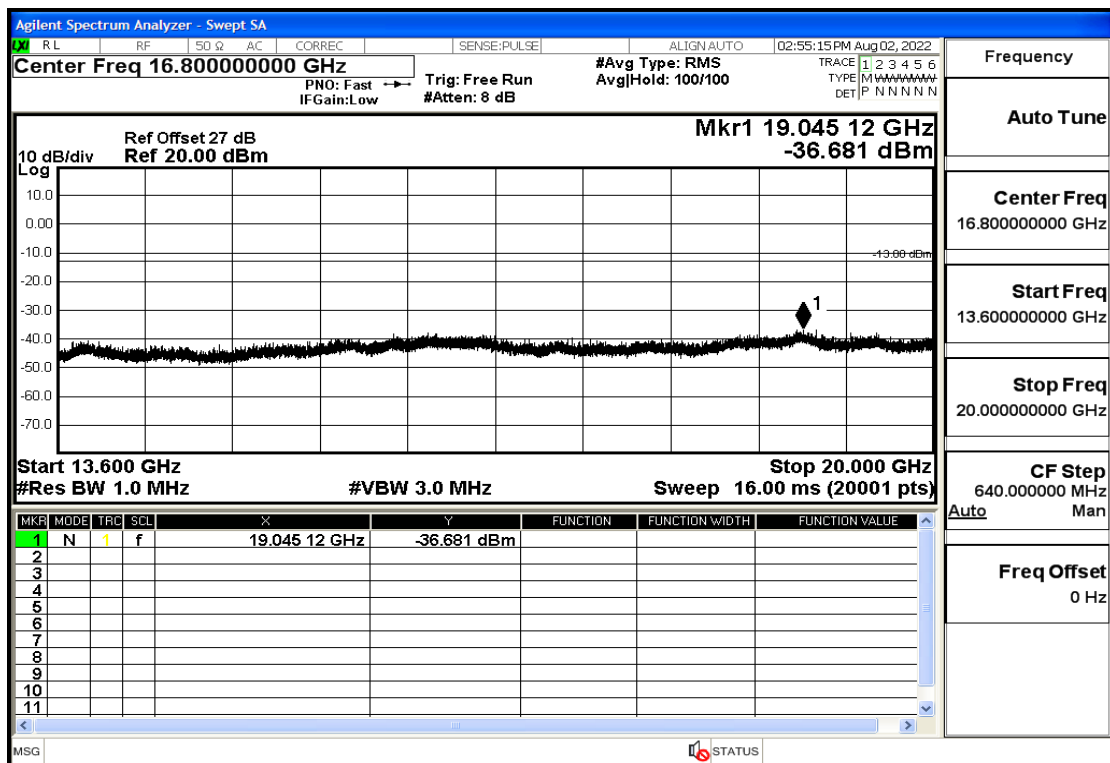
OB4-5-1752.5-QPSK-25#LOW@1GHz-7GHz@Pass



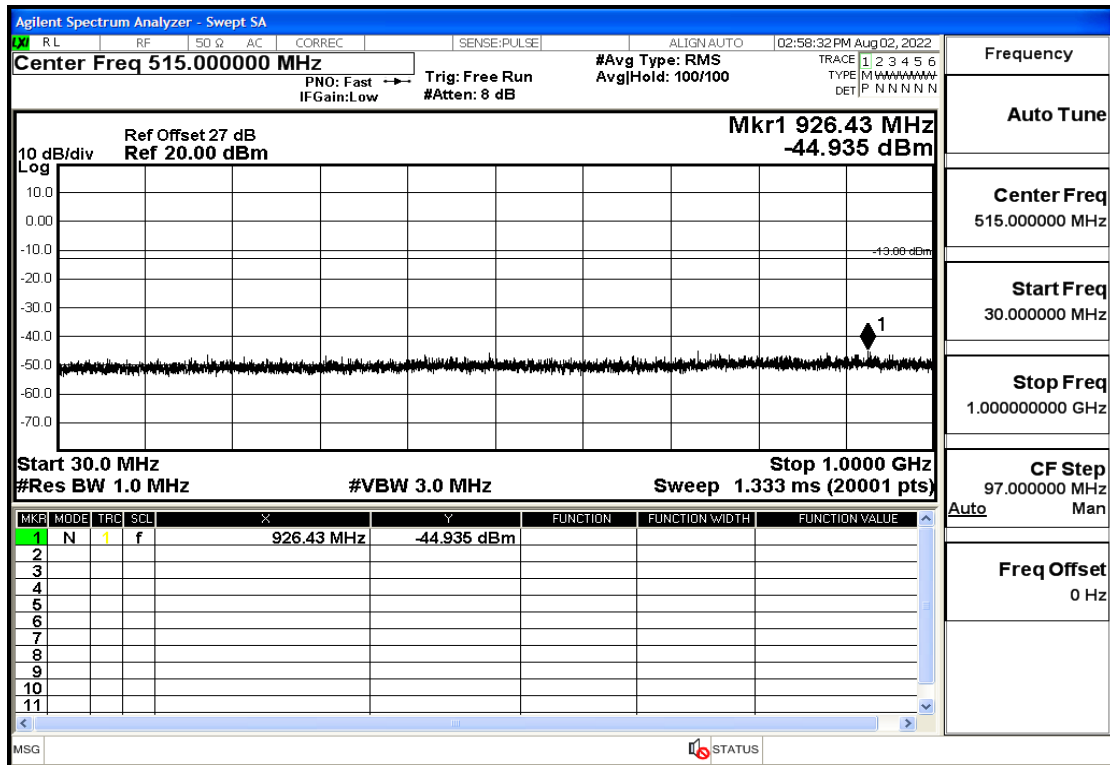
OB4-5-1752.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



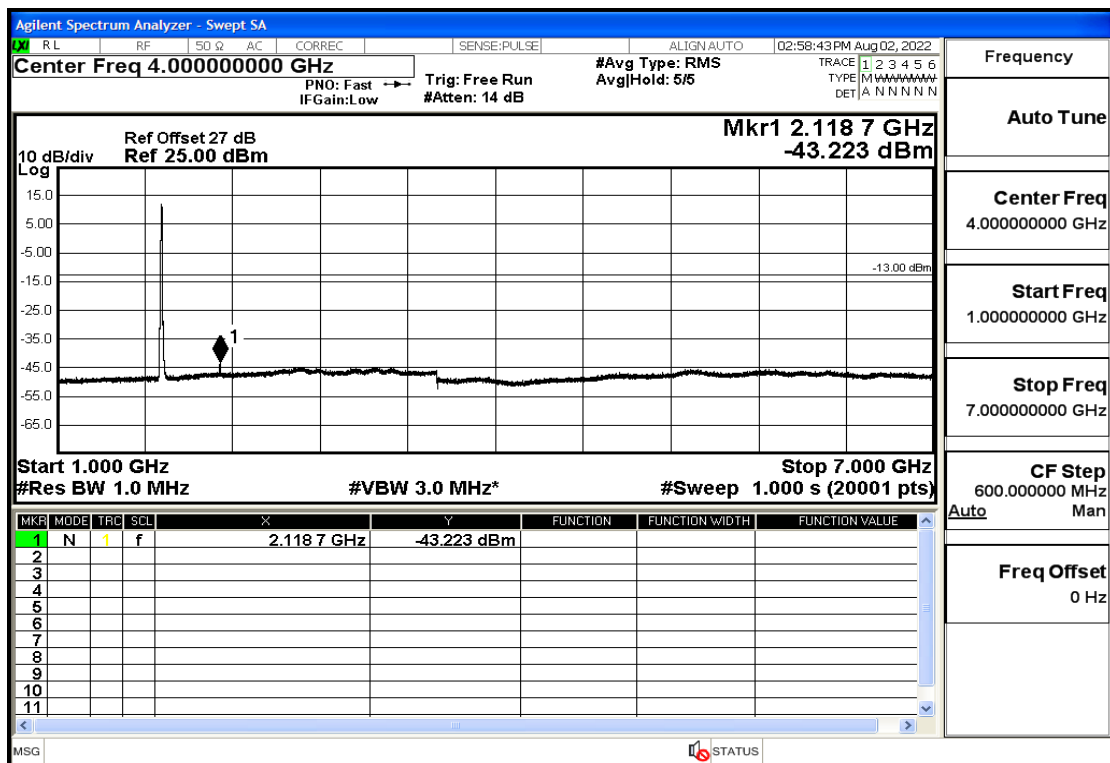
OB4-5-1752.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



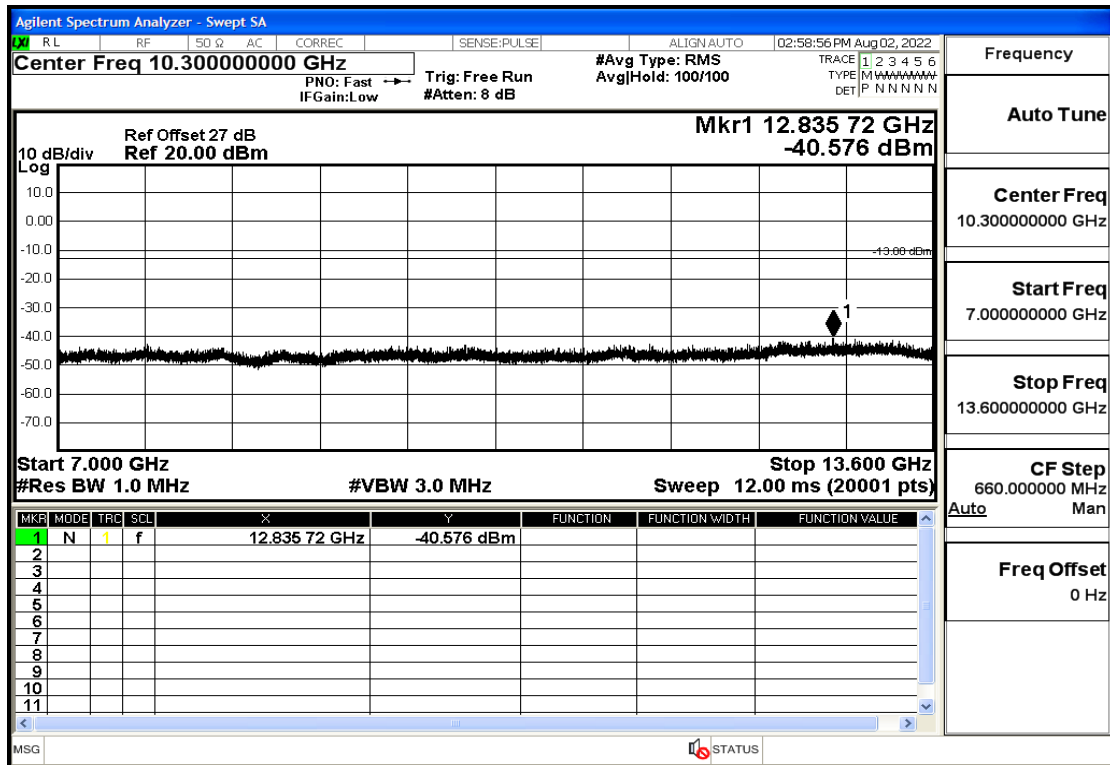
OB4-10-1715-QPSK-50#LOW@30mHz-1GHz@Pass



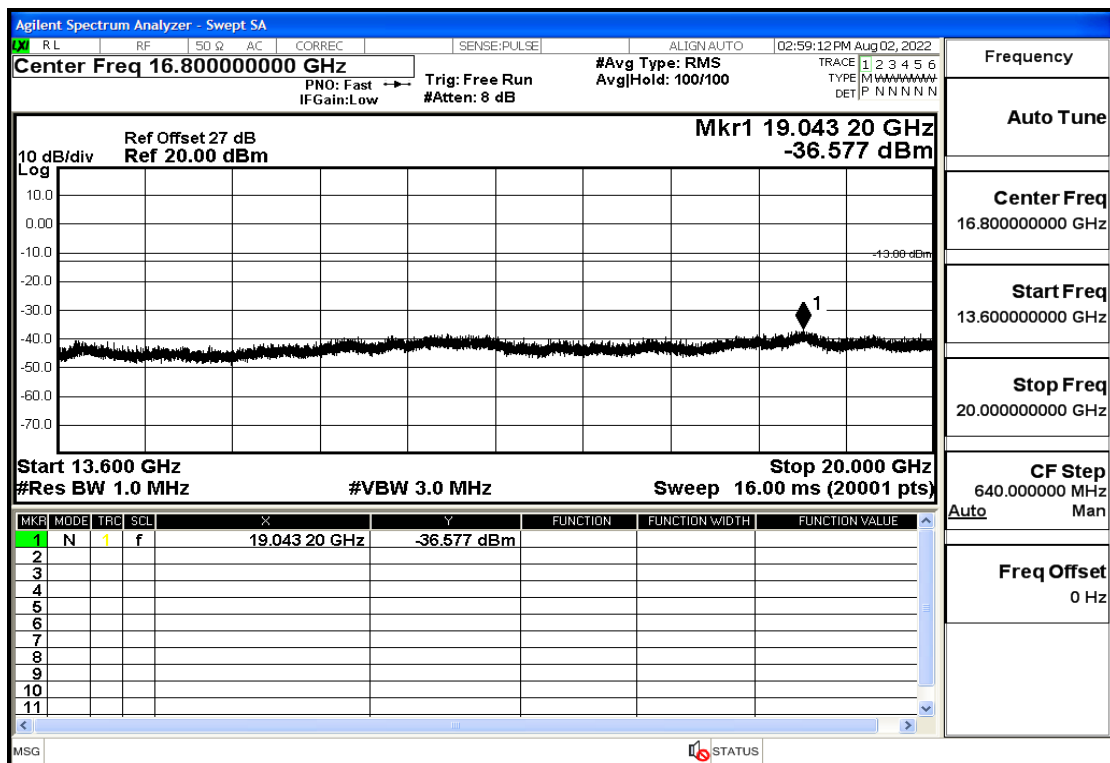
OB4-10-1715-QPSK-50#LOW@1GHz-7GHz@Pass



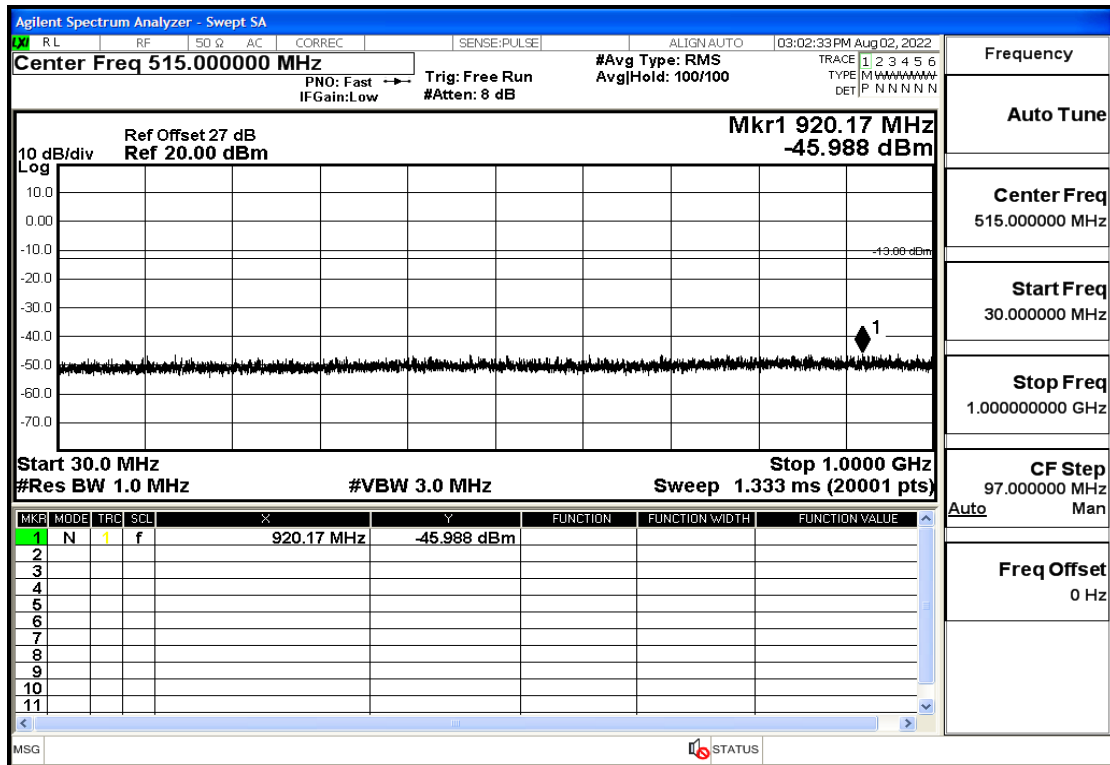
OB4-10-1715-QPSK-50#LOW@7GHz-13.6GHz@Pass



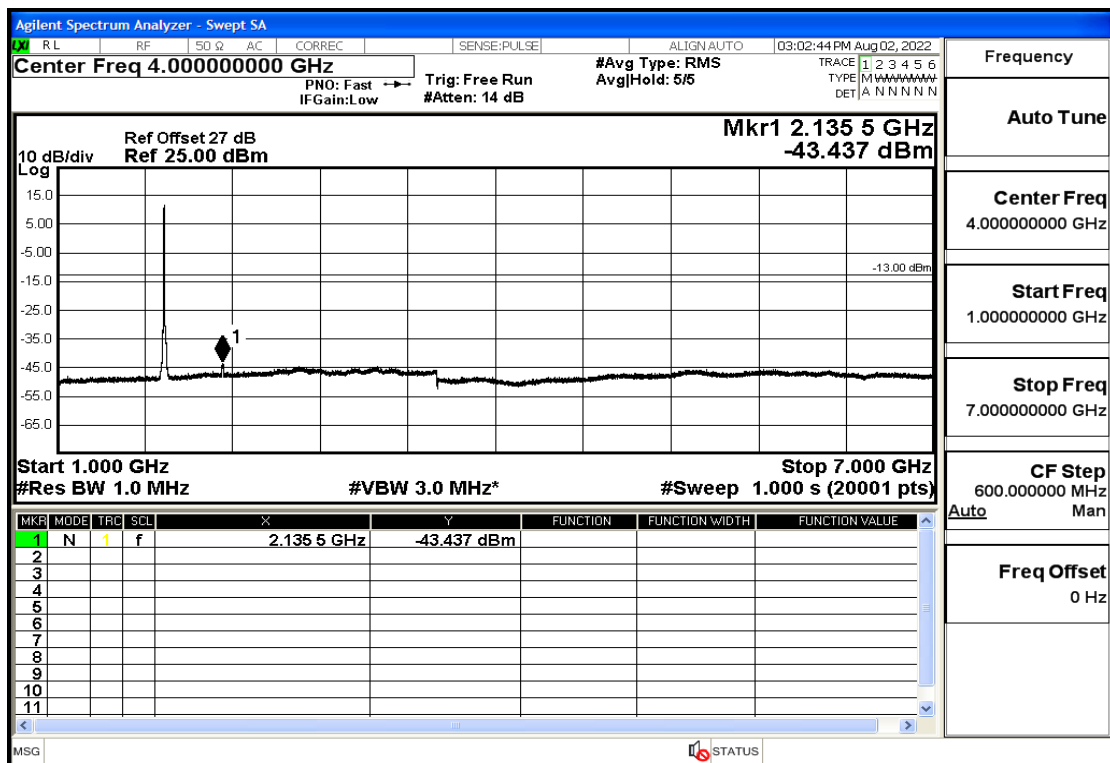
OB4-10-1715-QPSK-50#LOW@13.6GHz-20GHz@Pass



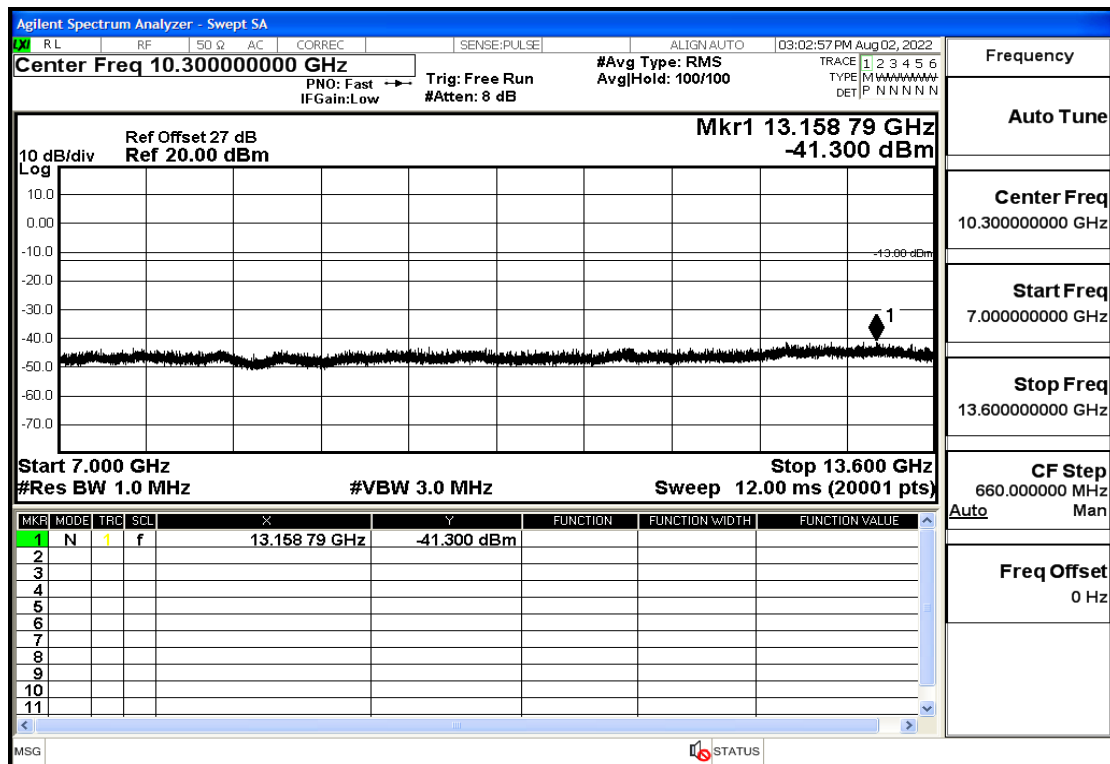
OB4-10-1732.5-QPSK-50#LOW@30mHz-1GHz@Pass



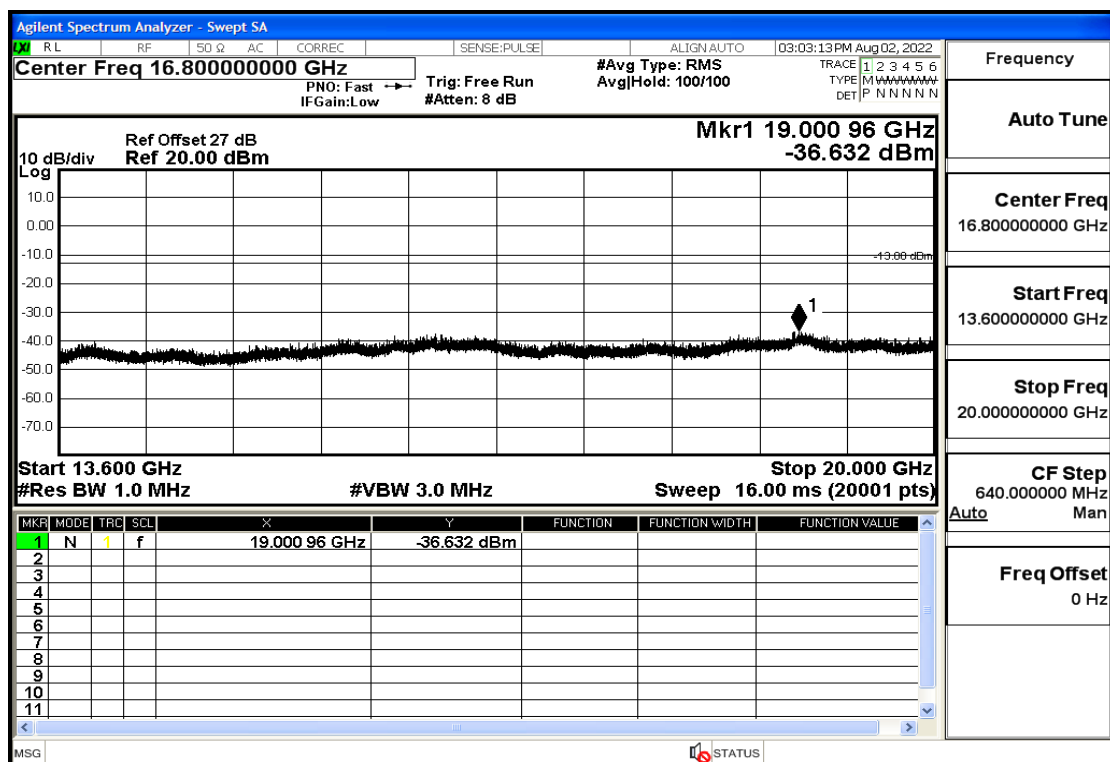
OB4-10-1732.5-QPSK-50#LOW@1GHz-7GHz@Pass



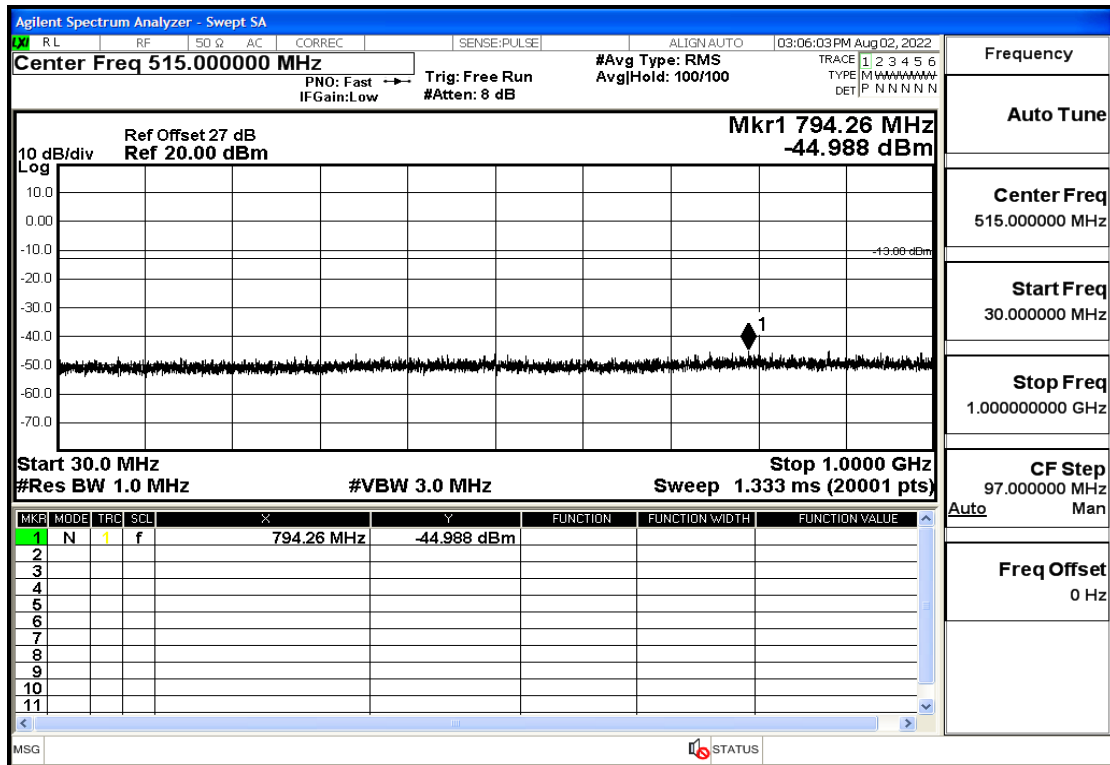
OB4-10-1732.5-QPSK-50#LOW@7GHz-13.6GHz@Pass



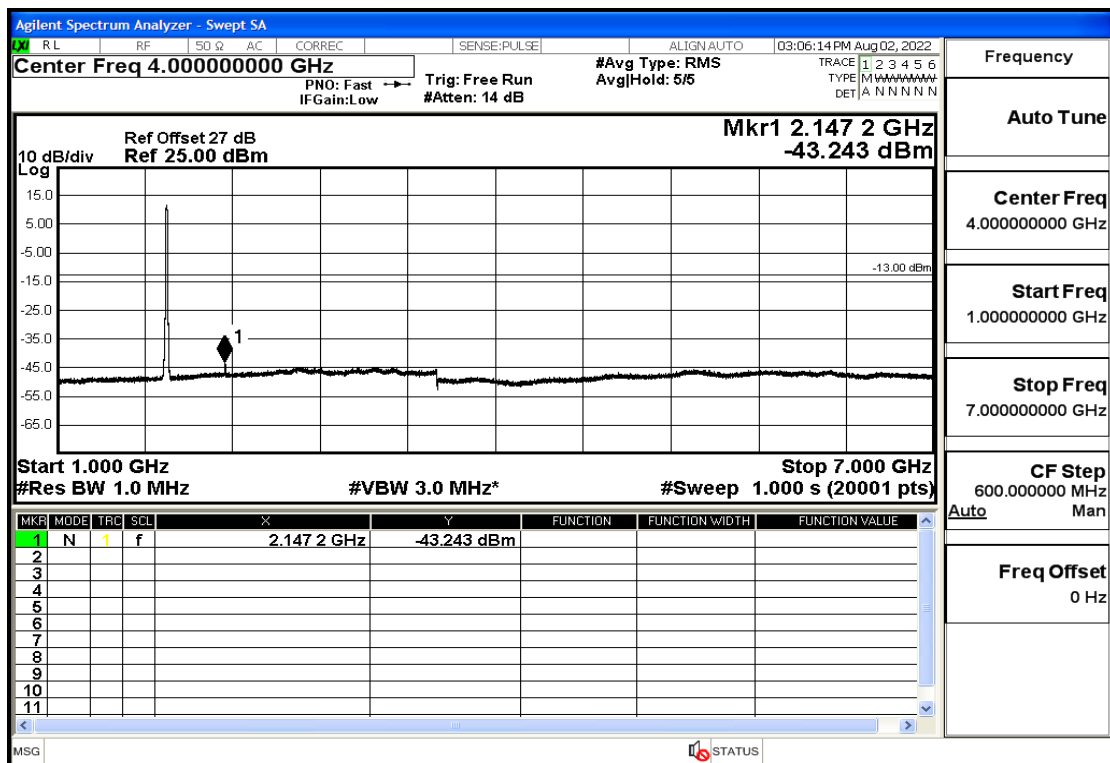
OB4-10-1732.5-QPSK-50#LOW@13.6GHz-20GHz@Pass



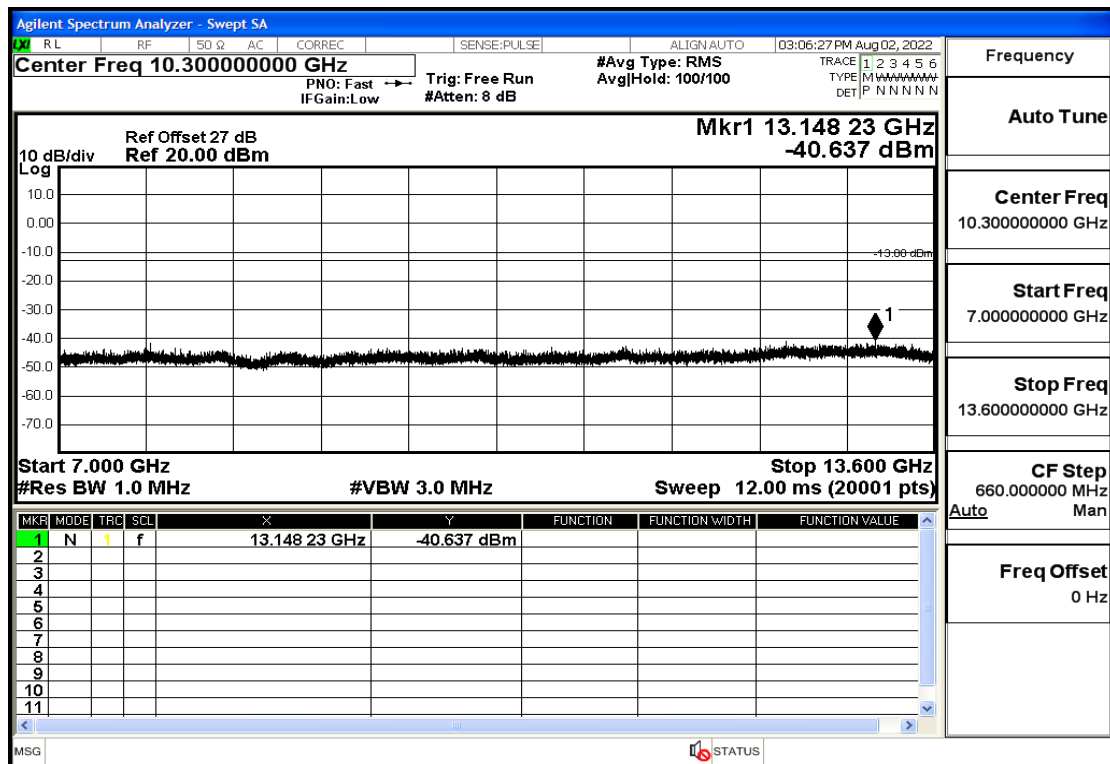
OB4-10-1750-QPSK-50#LOW@30mHz-1GHz@Pass



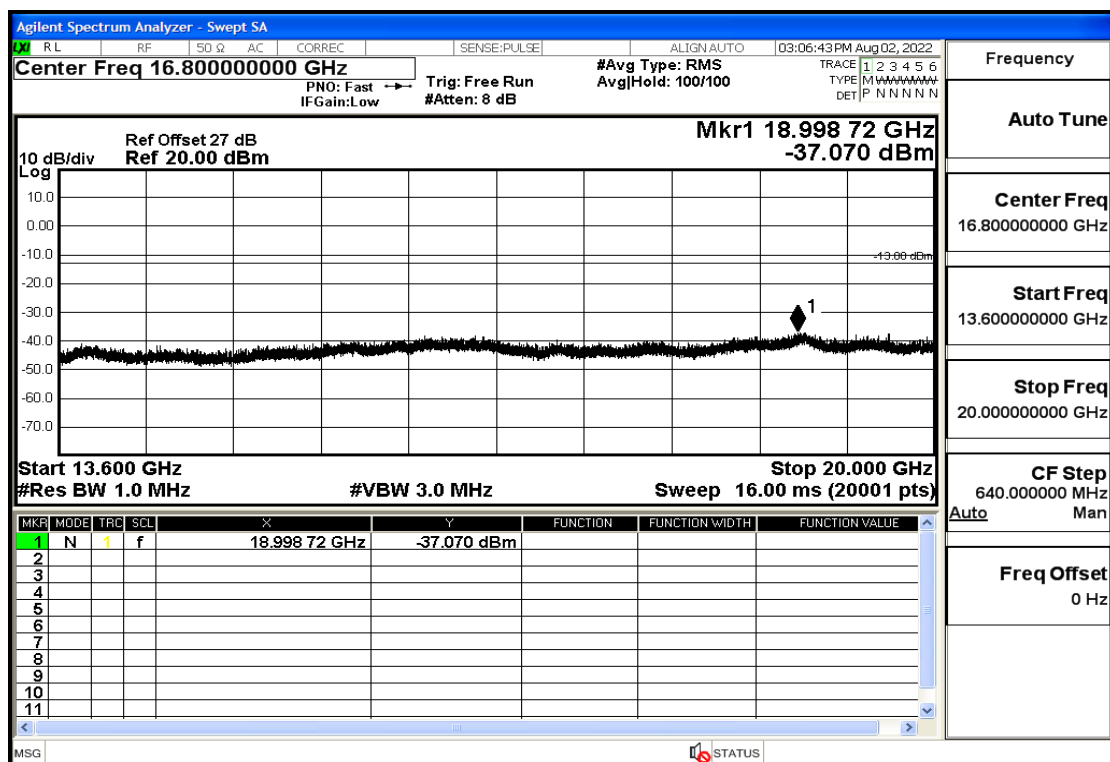
OB4-10-1750-QPSK-50#LOW@1GHz-7GHz@Pass



OB4-10-1750-QPSK-50#LOW@7GHz-13.6GHz@Pass



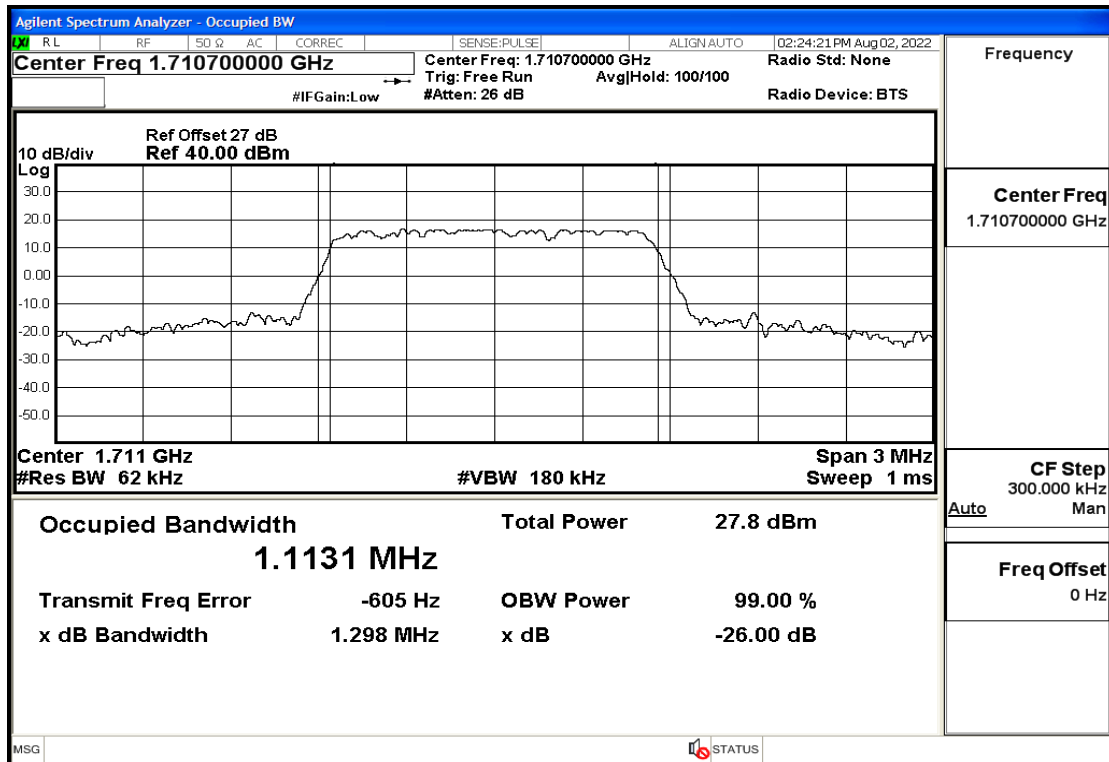
OB4-10-1750-QPSK-50#LOW@13.6GHz-20GHz@Pass



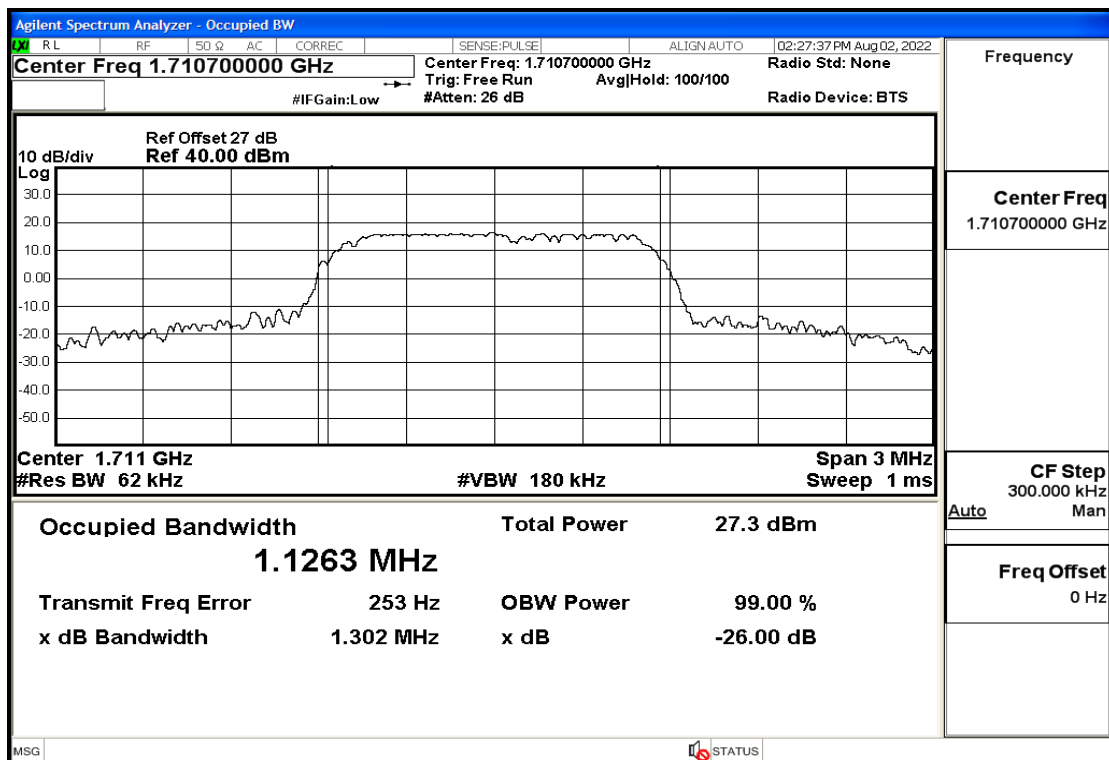
Emission bandwidth and OBW

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Occupied Bandwidth(KHz)	Emission Bandwidth(KHz)	Limit
Band4	1.4	1710.7	QPSK	6	LOW	1113.1	1298	No limit
Band4	1.4	1710.7	16QAM	6	LOW	1126.3	1302	No limit
Band4	1.4	1732.5	QPSK	6	LOW	1109.7	1303	No limit
Band4	1.4	1732.5	16QAM	6	LOW	1136.2	1283	No limit
Band4	1.4	1754.3	QPSK	6	LOW	1124.3	1291	No limit
Band4	1.4	1754.3	16QAM	6	LOW	1123.8	1284	No limit
Band4	3	1711.5	QPSK	15	LOW	2769.8	3119	No limit
Band4	3	1711.5	16QAM	15	LOW	2788.7	3090	No limit
Band4	3	1732.5	QPSK	15	LOW	2757.2	3089	No limit
Band4	3	1732.5	16QAM	15	LOW	2742.9	3053	No limit
Band4	3	1753.5	QPSK	15	LOW	2770	3128	No limit
Band4	3	1753.5	16QAM	15	LOW	2749.7	3136	No limit
Band4	5	1712.5	QPSK	25	LOW	4596.7	5076	No limit
Band4	5	1712.5	16QAM	25	LOW	4579.3	5071	No limit
Band4	5	1732.5	QPSK	25	LOW	4593.5	5073	No limit
Band4	5	1732.5	16QAM	25	LOW	4582.3	5063	No limit
Band4	5	1752.5	QPSK	25	LOW	4567.6	5055	No limit
Band4	5	1752.5	16QAM	25	LOW	4606.9	5043	No limit
Band4	10	1715	QPSK	50	LOW	9115.3	10120	No limit
Band4	10	1715	16QAM	50	LOW	9081	10030	No limit
Band4	10	1732.5	QPSK	50	LOW	9108.9	9991	No limit
Band4	10	1732.5	16QAM	50	LOW	9108.6	10060	No limit
Band4	10	1750	QPSK	50	LOW	9141.8	10170	No limit
Band4	10	1750	16QAM	50	LOW	9116.7	10120	No limit

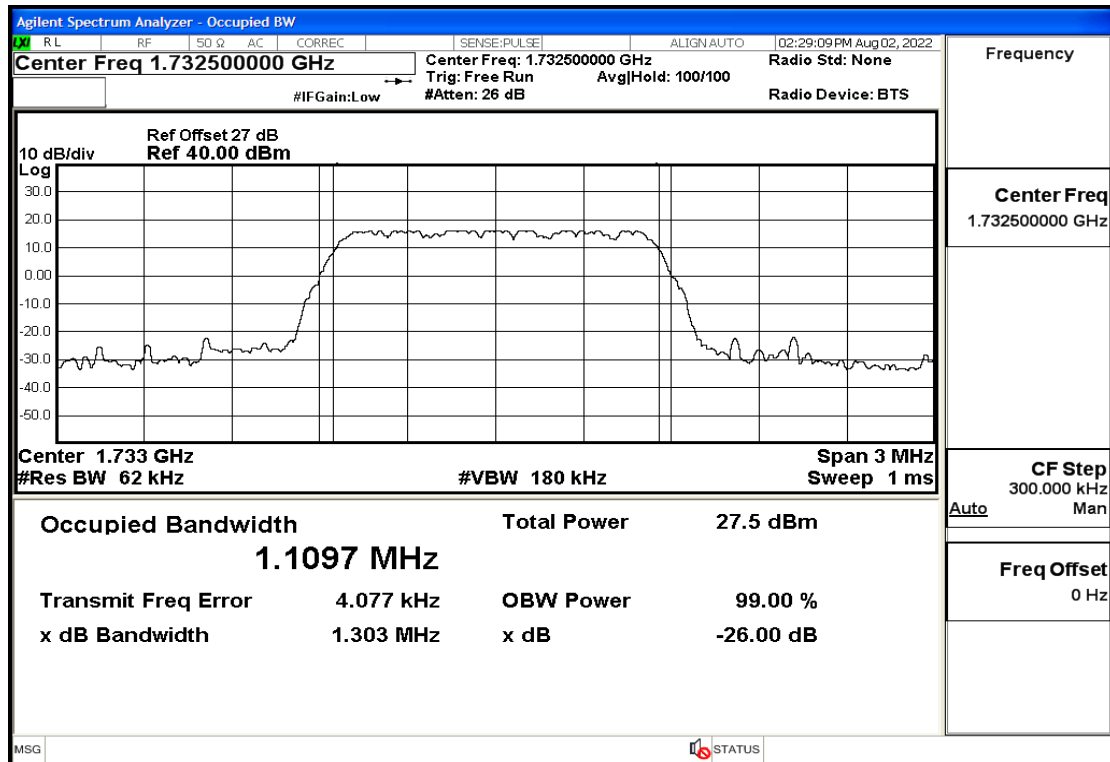
Band4-1.4-1710.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



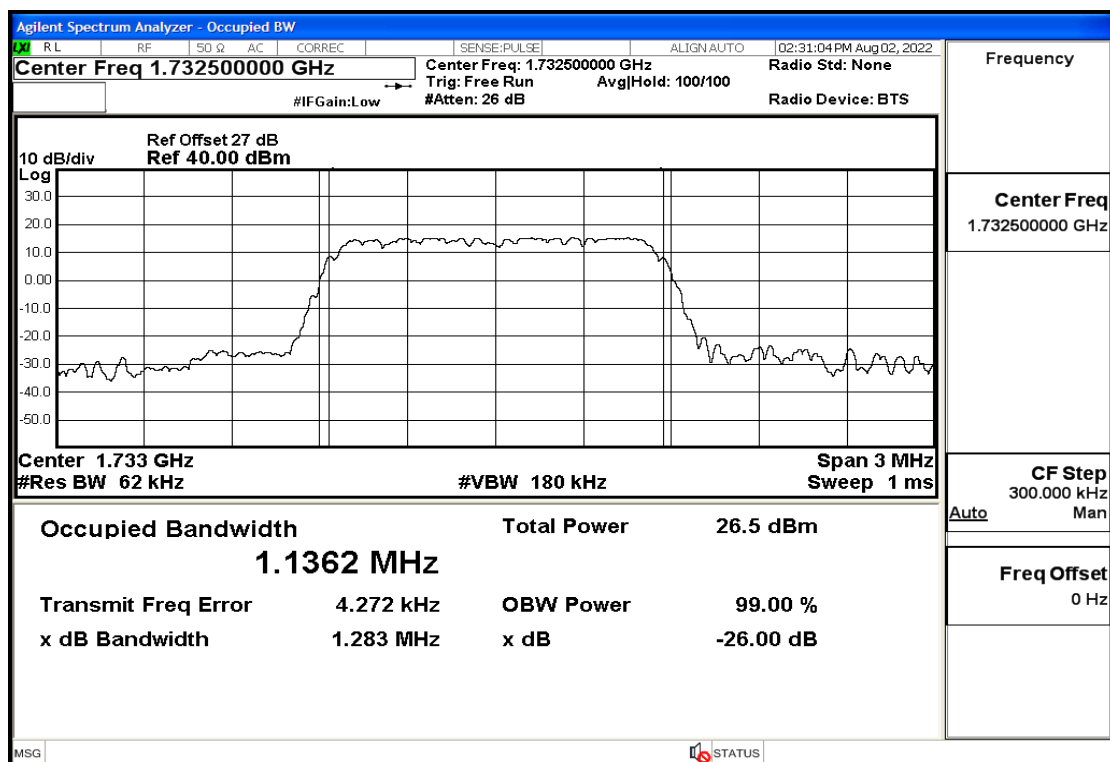
Band4-1.4-1710.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



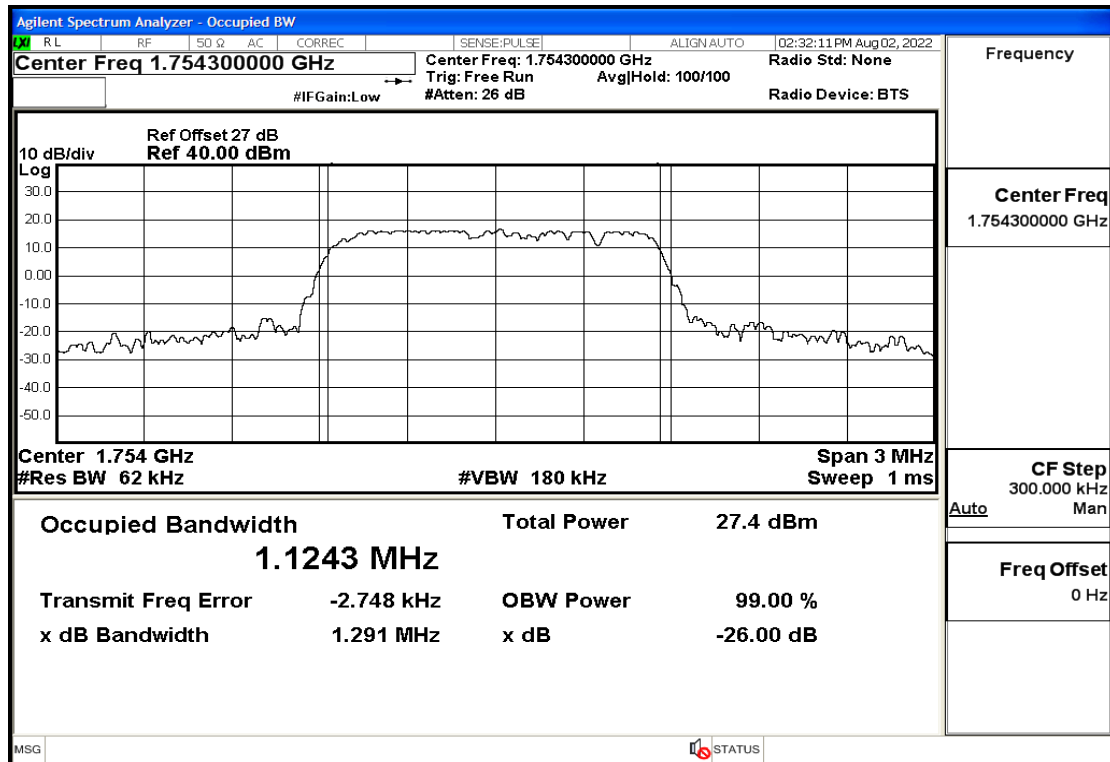
Band4-1.4-1732.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



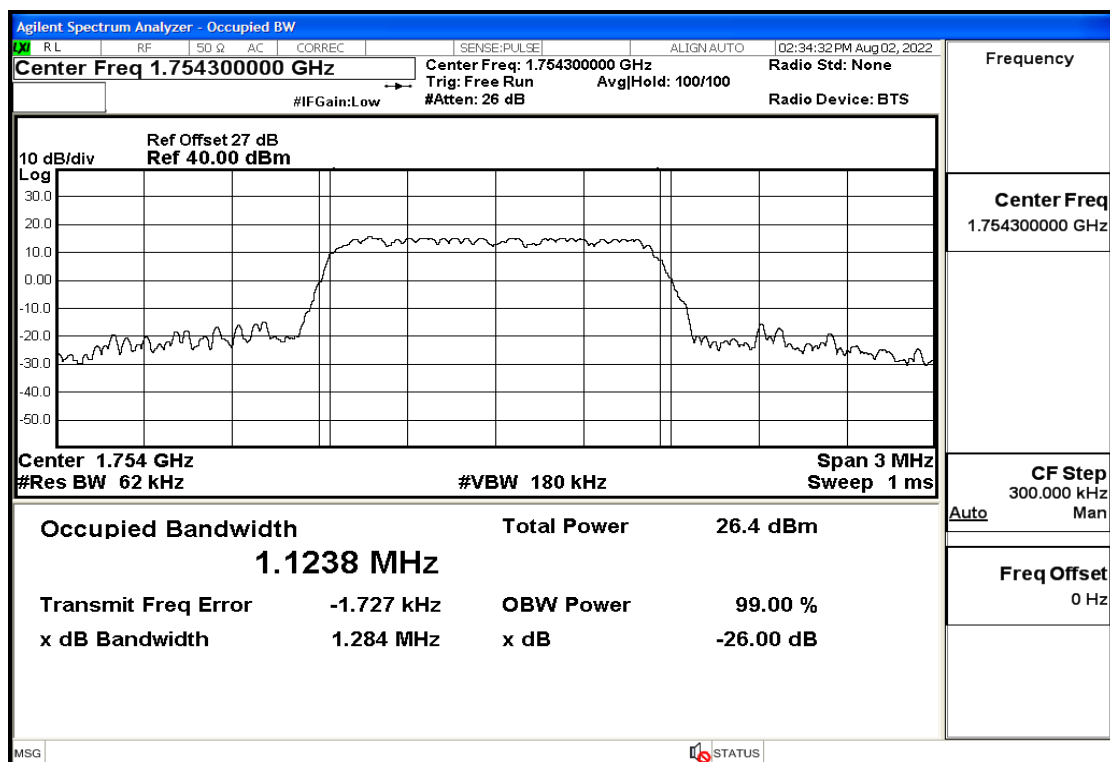
Band4-1.4-1732.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



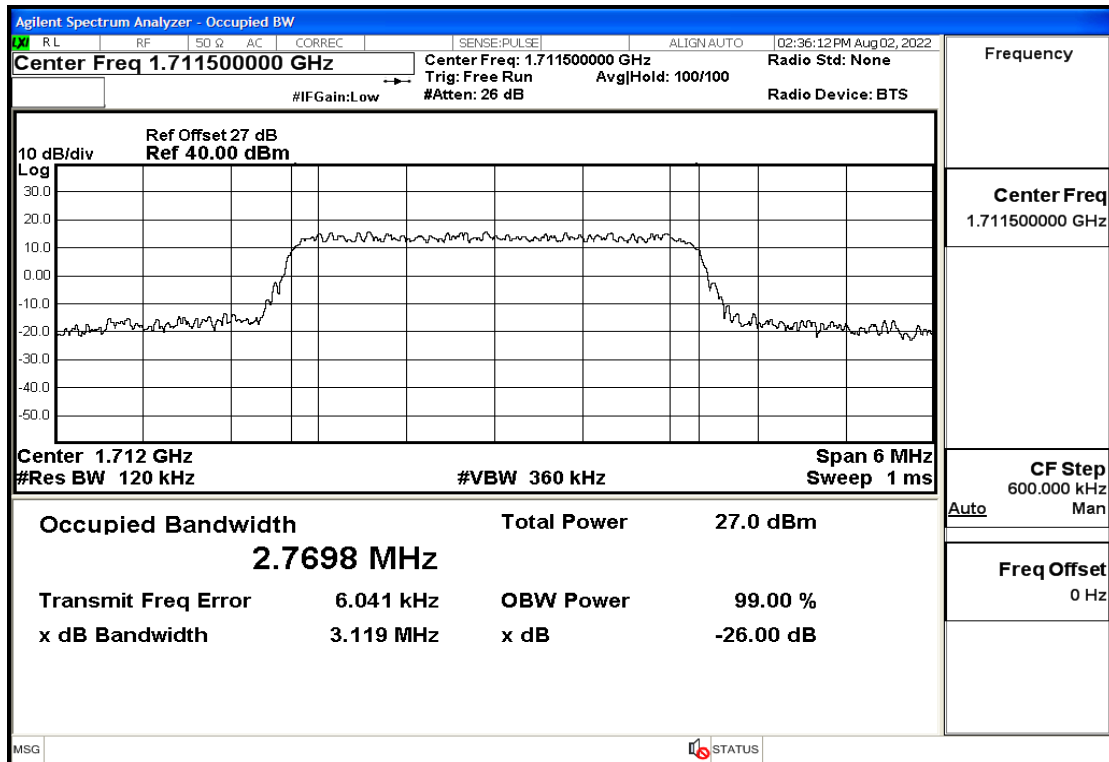
Band4-1.4-1754.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



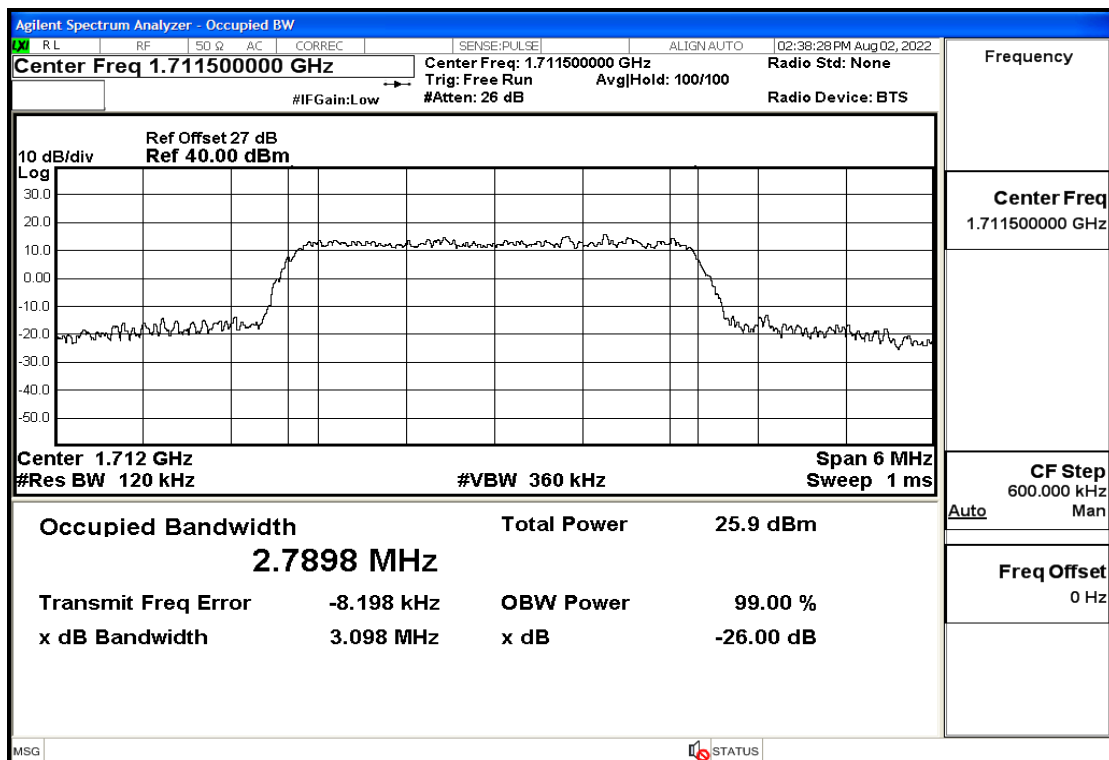
Band4-1.4-1754.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



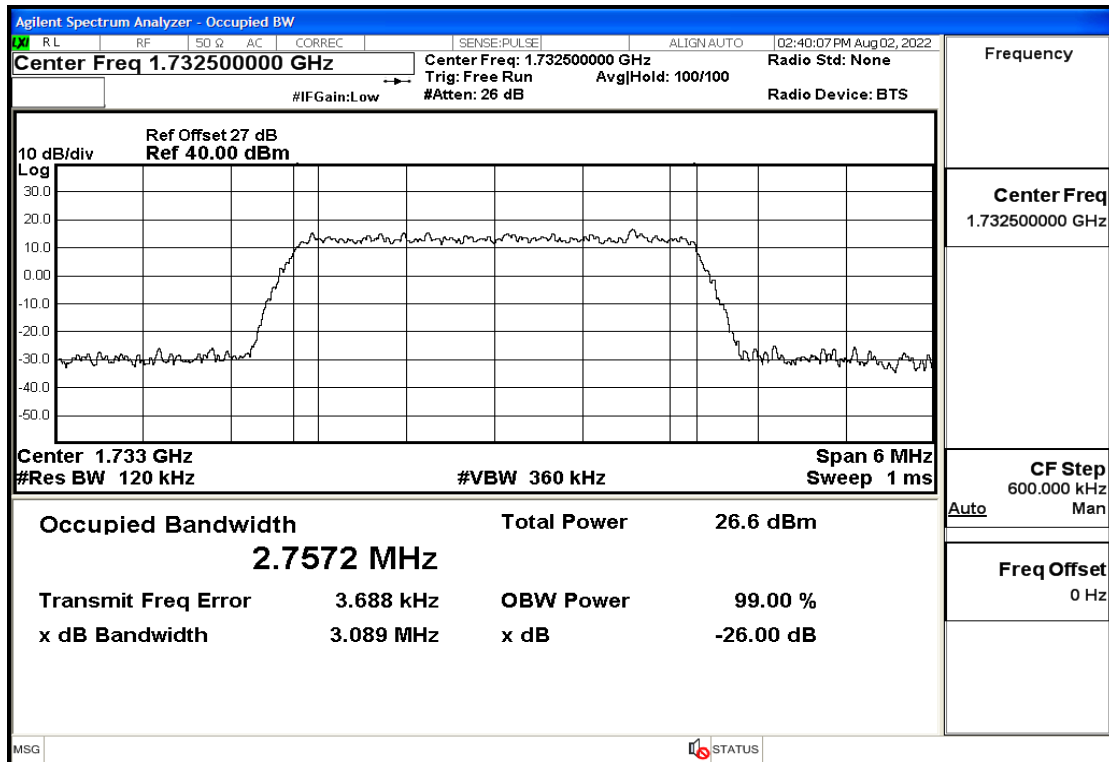
Band4-3-1711.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



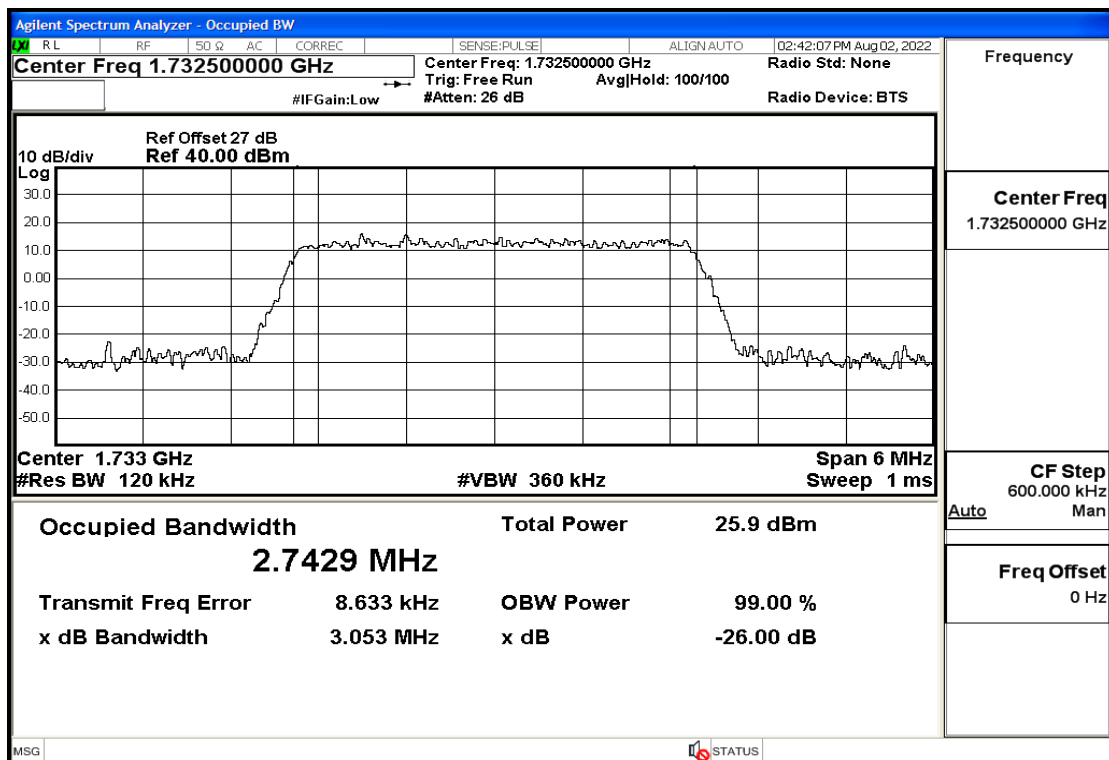
Band4-3-1711.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



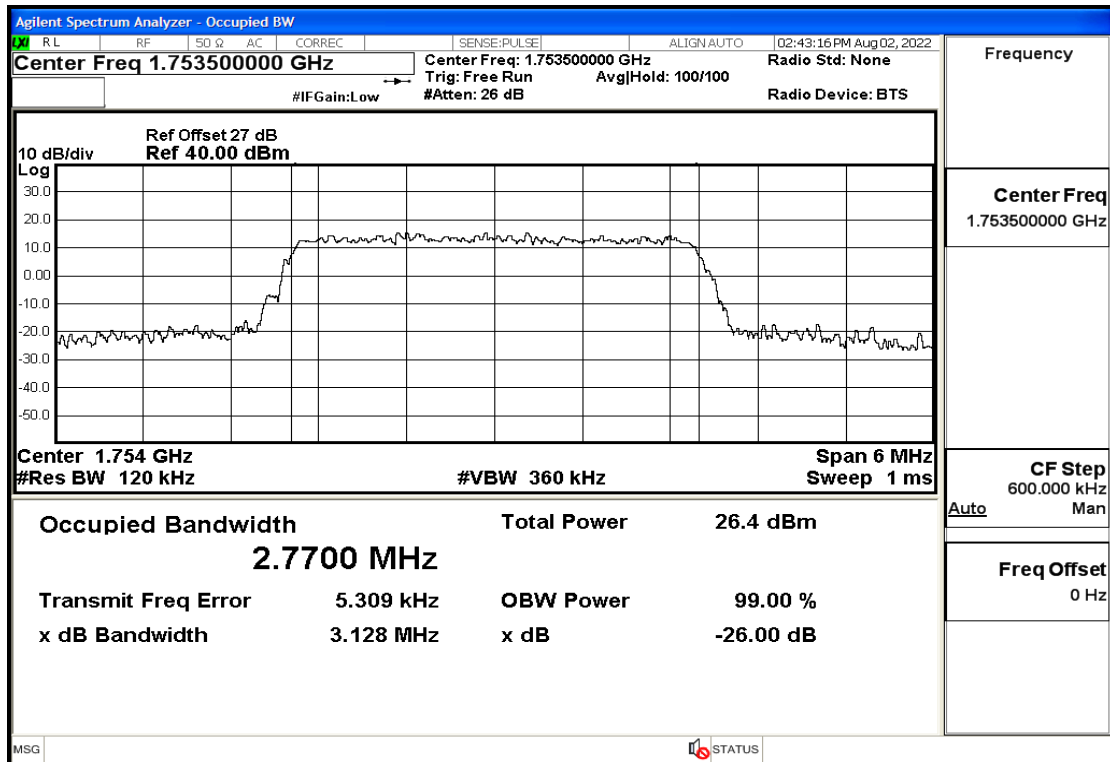
Band4-3-1732.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



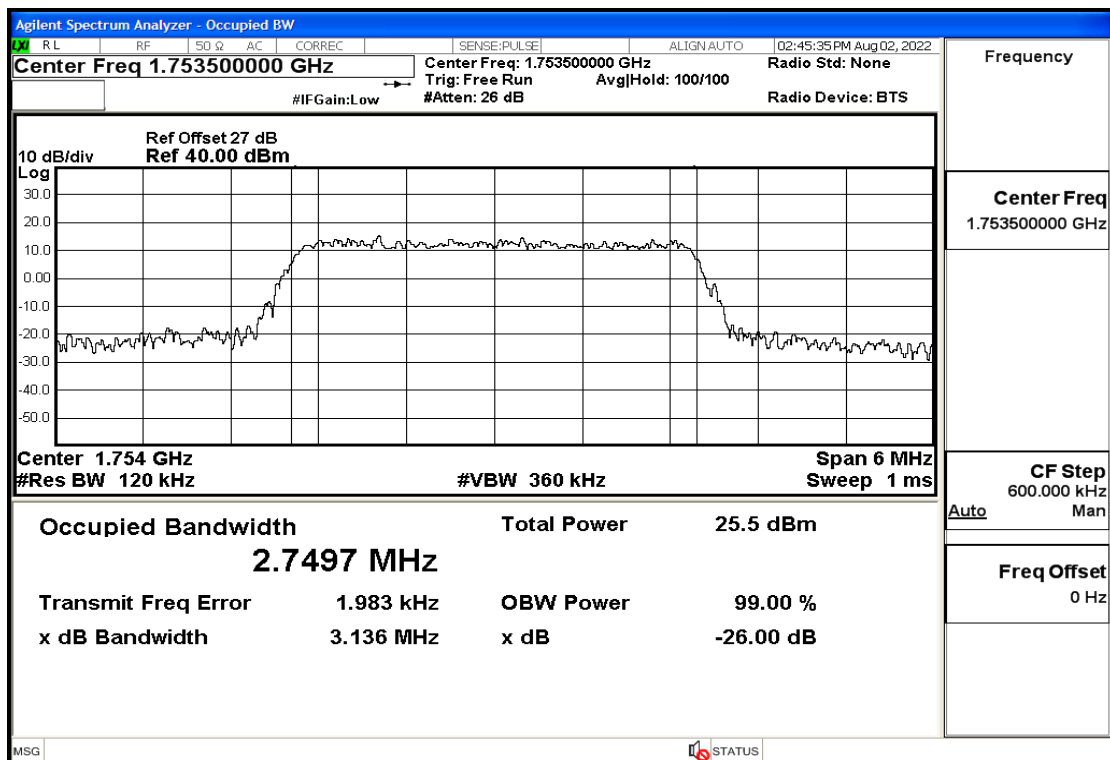
Band4-3-1732.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



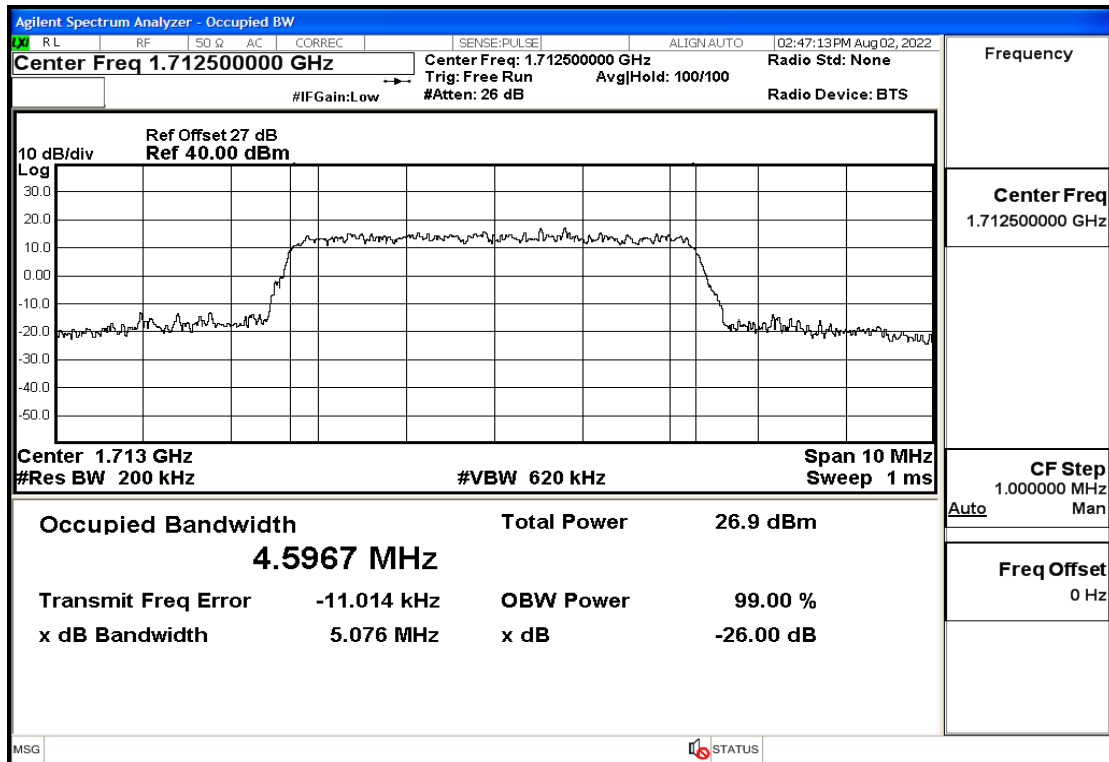
Band4-3-1753.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



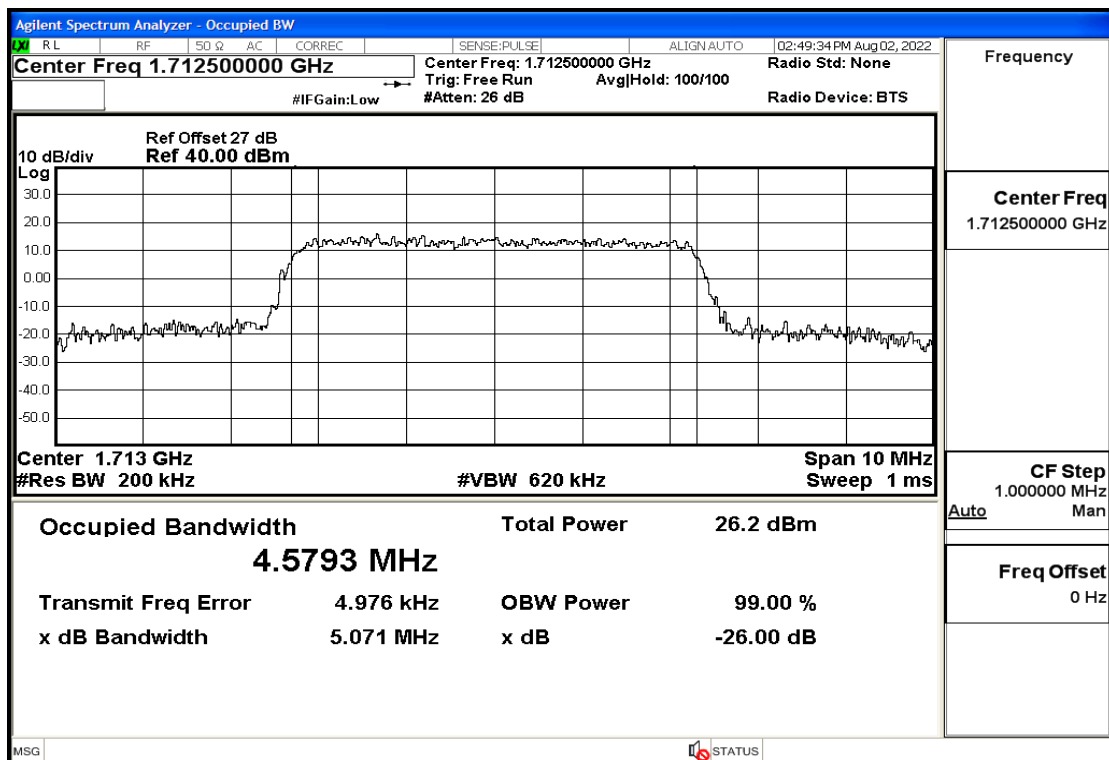
Band4-3-1753.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



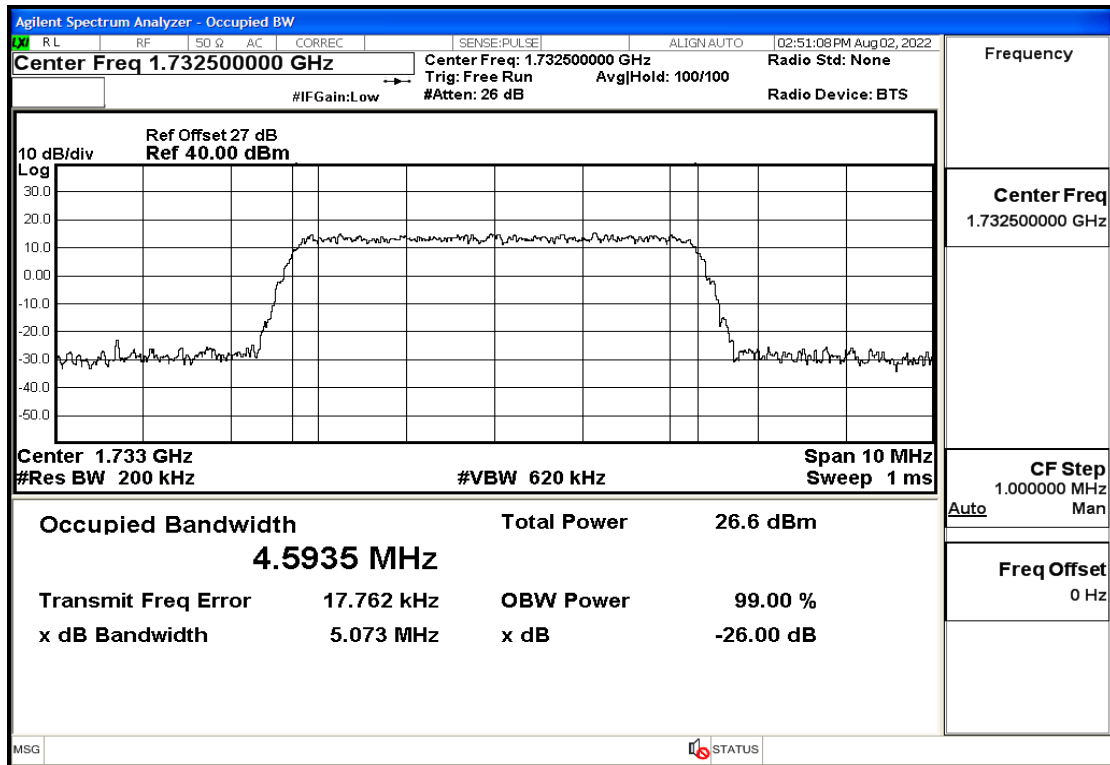
Band4-5-1712.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



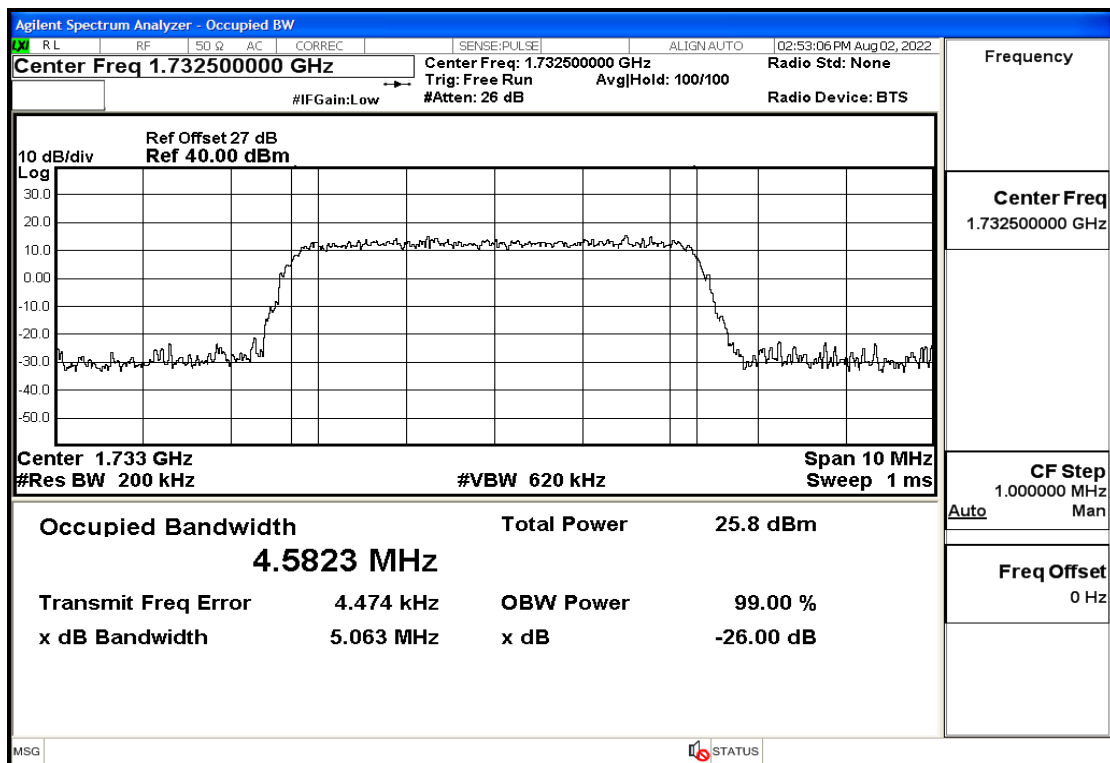
Band4-5-1712.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



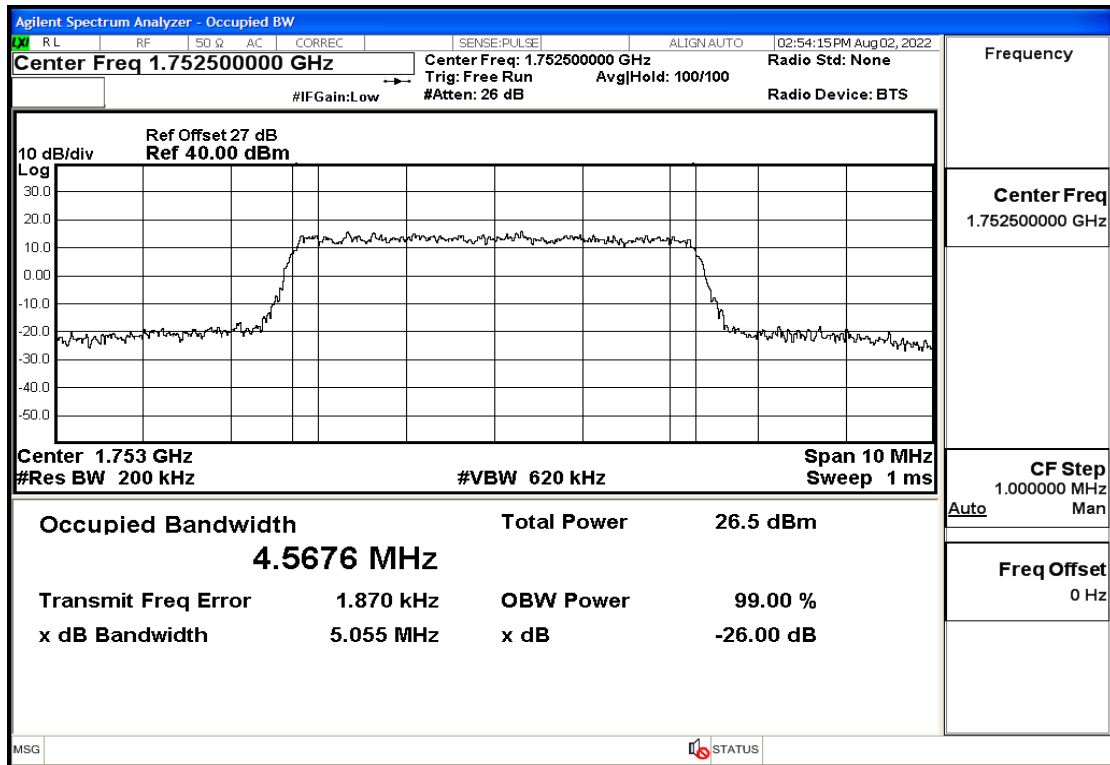
Band4-5-1732.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



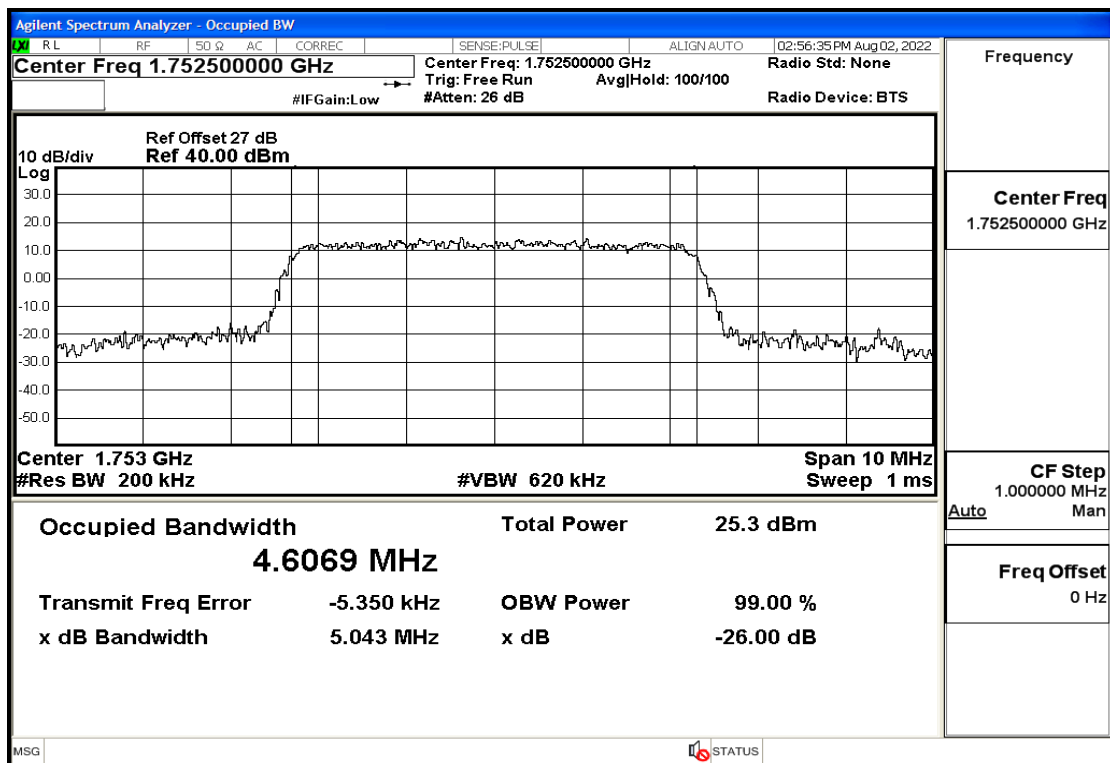
Band4-5-1732.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



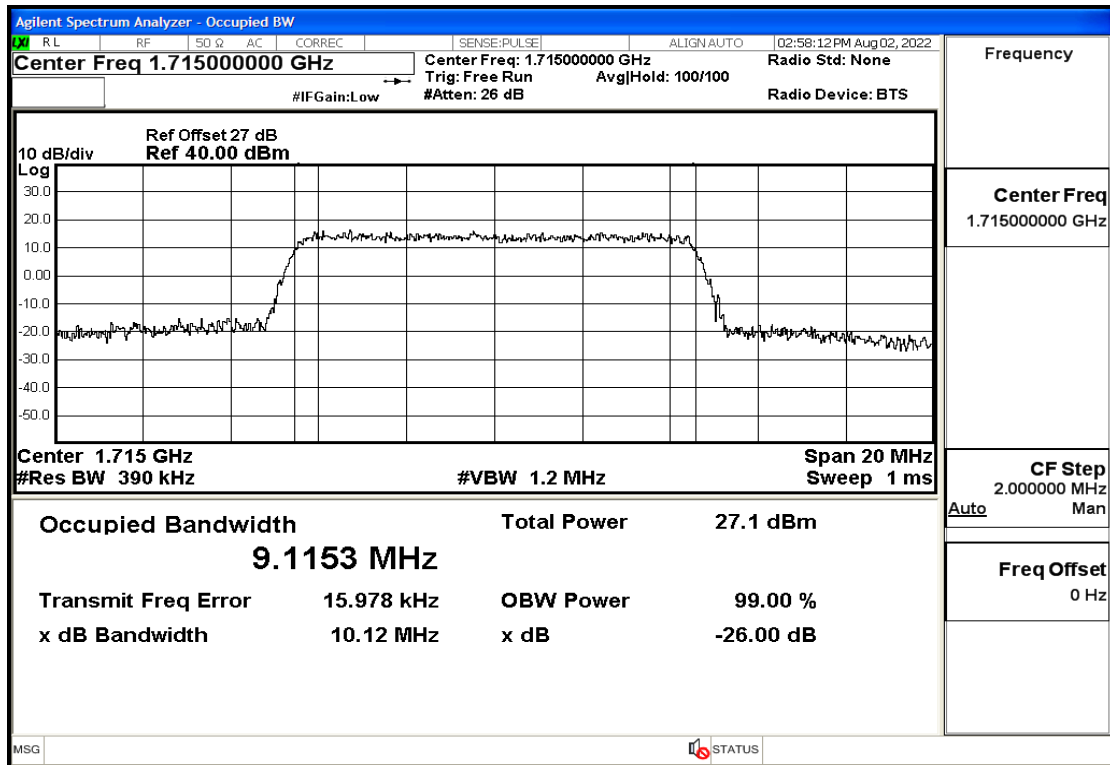
Band4-5-1752.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



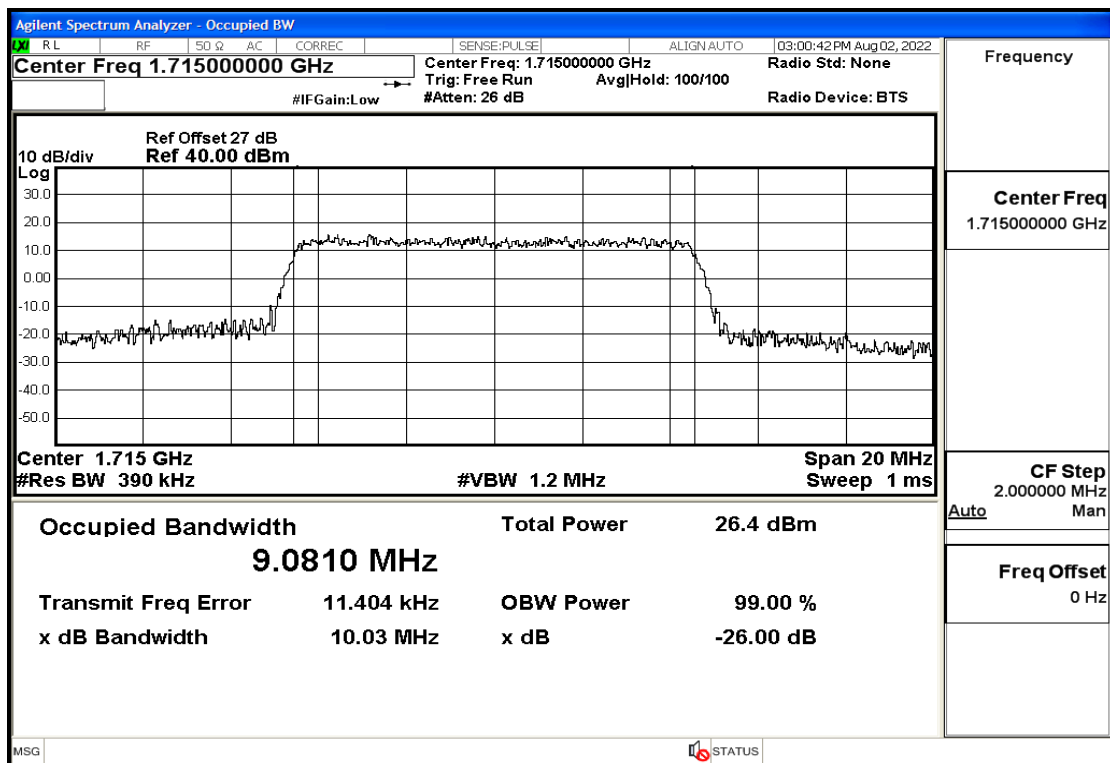
Band4-5-1752.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



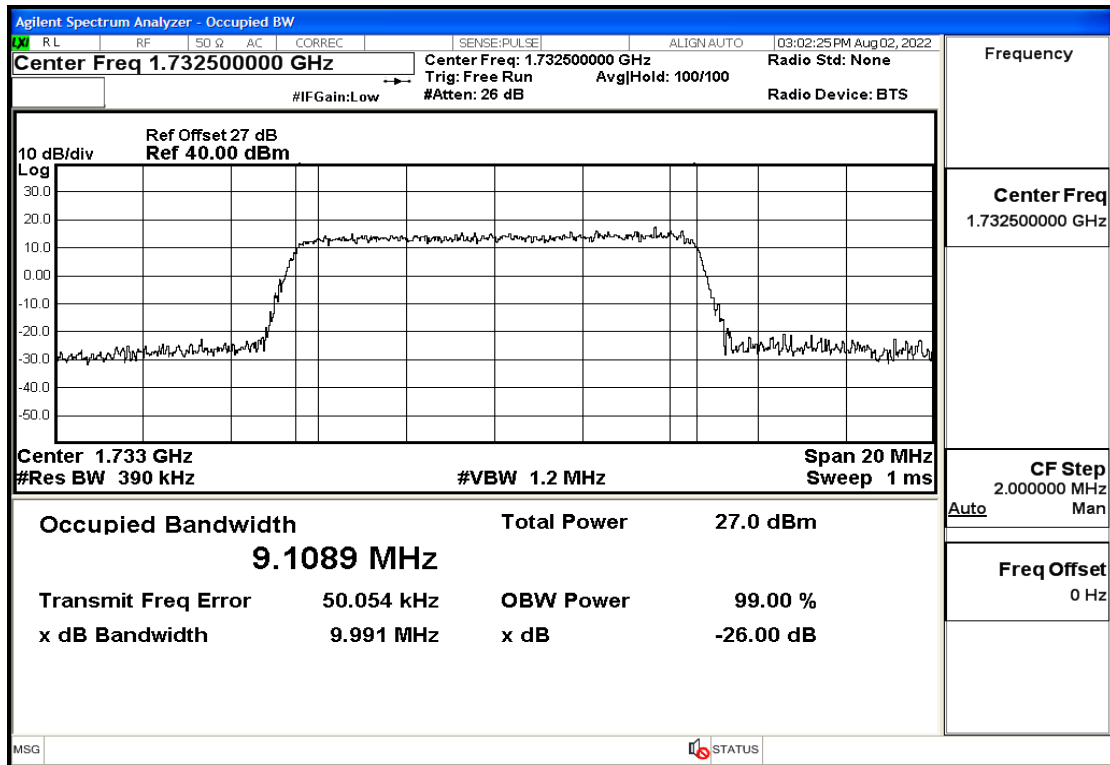
Band4-10-1715-QPSK-50#LOW@26dB and 99PCT Bandwidth



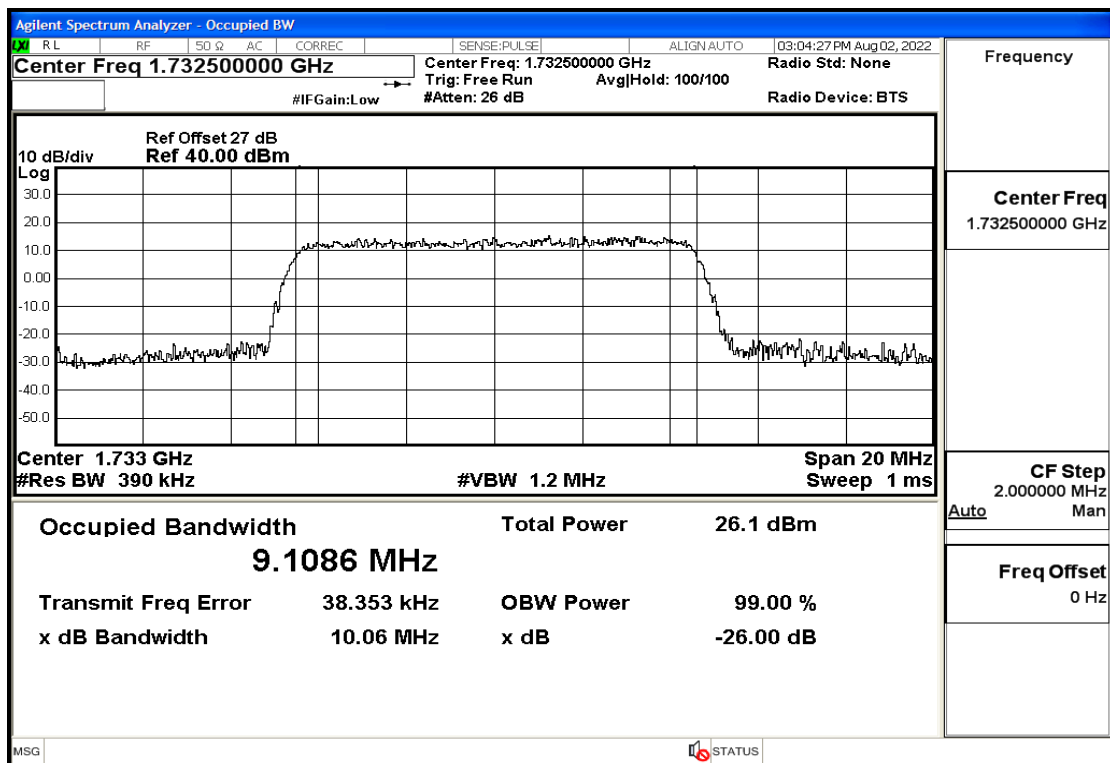
Band4-10-1715-16QAM-50#LOW@26dB and 99PCT Bandwidth



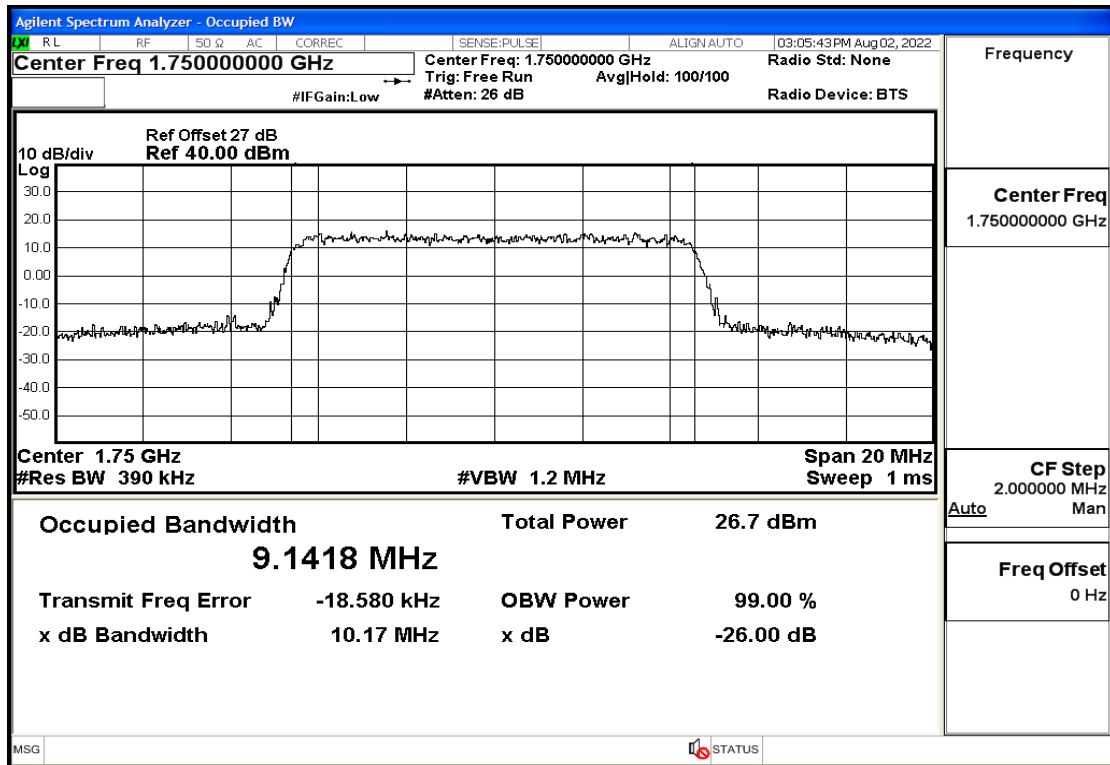
Band4-10-1732.5-QPSK-50#LOW@26dB and 99PCT Bandwidth



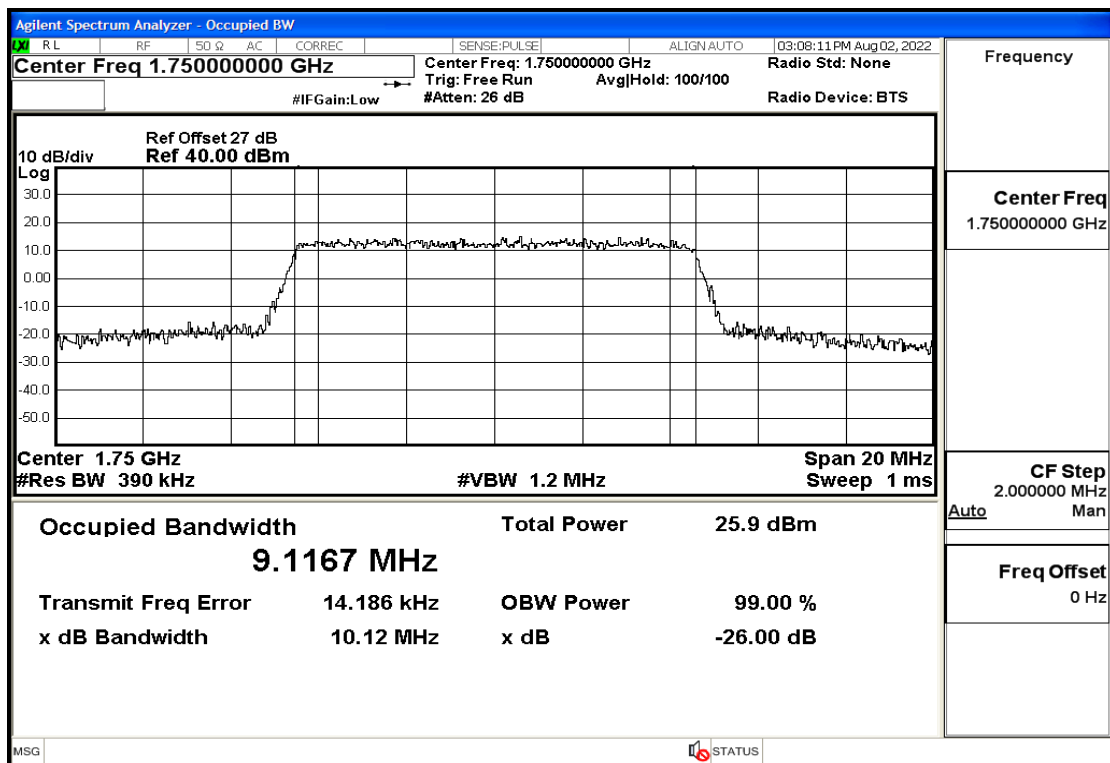
Band4-10-1732.5-16QAM-50#LOW@26dB and 99PCT Bandwidth



Band4-10-1750-QPSK-50#LOW@26dB and 99PCT Bandwidth



Band4-10-1750-16QAM-50#LOW@26dB and 99PCT Bandwidth



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0687	PASS
40	Normal Voltage	0.0391	
30	Normal Voltage	0.0195	
20(Ref.)	Normal Voltage	0.0276	
10	Normal Voltage	0.0639	
0	Normal Voltage	0.0181	
-10	Normal Voltage	0.0429	
-20	Normal Voltage	0.0362	
-30	Normal Voltage	0.0191	
20	Maximum Voltage	0.0167	
20	Normal Voltage	0.0241	
20	Battery End Point	0.0637	

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
Band4	1.4	1710.7	QPSK	6	LOW	19.25	24.14	4.89	13	0.37	19.62	30	Pass
Band4	1.4	1710.7	QPSK	3	LOW	20.25	23.83	3.58	13	0.37	20.62	30	Pass
Band4	1.4	1710.7	QPSK	3	MID	20.29	23.8	3.51	13	0.37	20.66	30	Pass
Band4	1.4	1710.7	QPSK	3	HIGH	20.47	23.9	3.43	13	0.37	20.84	30	Pass
Band4	1.4	1710.7	QPSK	1	LOW	20.31	23.39	3.08	13	0.37	20.68	30	Pass
Band4	1.4	1710.7	QPSK	1	MID	20.26	23.51	3.25	13	0.37	20.63	30	Pass
Band4	1.4	1710.7	QPSK	1	HIGH	20.33	23.56	3.23	13	0.37	20.7	30	Pass
Band4	1.4	1710.7	16QAM	6	LOW	18.65	24.16	5.51	13	0.37	19.02	30	Pass
Band4	1.4	1710.7	16QAM	3	LOW	19.58	23.94	4.36	13	0.37	19.95	30	Pass
Band4	1.4	1710.7	16QAM	3	MID	19.56	23.96	4.4	13	0.37	19.93	30	Pass
Band4	1.4	1710.7	16QAM	3	HIGH	19.6	23.78	4.18	13	0.37	19.97	30	Pass
Band4	1.4	1710.7	16QAM	1	LOW	19.42	23.16	3.74	13	0.37	19.79	30	Pass
Band4	1.4	1710.7	16QAM	1	MID	19.43	23.23	3.8	13	0.37	19.8	30	Pass
Band4	1.4	1710.7	16QAM	1	HIGH	19.54	23.32	3.78	13	0.37	19.91	30	Pass
Band4	1.4	1732.5	QPSK	6	LOW	18.98	25.44	6.46	13	0.37	19.35	30	Pass
Band4	1.4	1732.5	QPSK	3	LOW	20.14	25.59	5.45	13	0.37	20.51	30	Pass
Band4	1.4	1732.5	QPSK	3	MID	20.02	25.64	5.62	13	0.37	20.39	30	Pass
Band4	1.4	1732.5	QPSK	3	HIGH	20.03	25.5	5.47	13	0.37	20.4	30	Pass
Band4	1.4	1732.5	QPSK	1	LOW	20.08	25.39	5.31	13	0.37	20.45	30	Pass
Band4	1.4	1732.5	QPSK	1	MID	20.06	25.33	5.27	13	0.37	20.43	30	Pass
Band4	1.4	1732.5	QPSK	1	HIGH	20.01	25.23	5.22	13	0.37	20.38	30	Pass
Band4	1.4	1732.5	16QAM	6	LOW	18.19	25.53	7.34	13	0.37	18.56	30	Pass
Band4	1.4	1732.5	16QAM	3	LOW	18.99	24.89	5.9	13	0.37	19.36	30	Pass
Band4	1.4	1732.5	16QAM	3	MID	19.06	24.94	5.88	13	0.37	19.43	30	Pass
Band4	1.4	1732.5	16QAM	3	HIGH	19.02	24.92	5.9	13	0.37	19.39	30	Pass
Band4	1.4	1732.5	16QAM	1	LOW	19.38	24.95	5.57	13	0.37	19.75	30	Pass
Band4	1.4	1732.5	16QAM	1	MID	19.4	24.94	5.54	13	0.37	19.77	30	Pass
Band4	1.4	1732.5	16QAM	1	HIGH	19.39	24.89	5.5	13	0.37	19.76	30	Pass
Band4	1.4	1754.3	QPSK	6	LOW	18.74	23.96	5.22	13	0.37	19.11	30	Pass
Band4	1.4	1754.3	QPSK	3	LOW	19.97	24.14	4.17	13	0.37	20.34	30	Pass
Band4	1.4	1754.3	QPSK	3	MID	19.96	24.06	4.1	13	0.37	20.33	30	Pass
Band4	1.4	1754.3	QPSK	3	HIGH	19.9	24.12	4.22	13	0.37	20.27	30	Pass
Band4	1.4	1754.3	QPSK	1	LOW	19.79	23.72	3.93	13	0.37	20.16	30	Pass
Band4	1.4	1754.3	QPSK	1	MID	19.82	23.82	4	13	0.37	20.19	30	Pass
Band4	1.4	1754.3	QPSK	1	HIGH	19.89	23.94	4.05	13	0.37	20.26	30	Pass
Band4	1.4	1754.3	16QAM	6	LOW	17.84	23.98	6.14	13	0.37	18.21	30	Pass
Band4	1.4	1754.3	16QAM	3	LOW	18.87	23.97	5.1	13	0.37	19.24	30	Pass
Band4	1.4	1754.3	16QAM	3	MID	18.88	23.98	5.1	13	0.37	19.25	30	Pass
Band4	1.4	1754.3	16QAM	3	HIGH	18.92	24.18	5.26	13	0.37	19.29	30	Pass
Band4	1.4	1754.3	16QAM	1	LOW	19.44	23.59	4.15	13	0.37	19.81	30	Pass

Band4	1.4	1754.3	16QAM	1	MID	19.52	23.51	3.99	13	0.37	19.89	30	Pass
Band4	1.4	1754.3	16QAM	1	HIGH	19.5	23.56	4.06	13	0.37	19.87	30	Pass
Band4	3	1711.5	QPSK	15	LOW	19.35	24.43	5.08	13	0.37	19.72	30	Pass
Band4	3	1711.5	QPSK	8	LOW	19.23	23.75	4.52	13	0.37	19.6	30	Pass
Band4	3	1711.5	QPSK	8	MID	19.23	23.77	4.54	13	0.37	19.6	30	Pass
Band4	3	1711.5	QPSK	8	HIGH	19.25	23.94	4.69	13	0.37	19.62	30	Pass
Band4	3	1711.5	QPSK	1	LOW	20.26	23.29	3.03	13	0.37	20.63	30	Pass
Band4	3	1711.5	QPSK	1	MID	20.24	23.55	3.31	13	0.37	20.61	30	Pass
Band4	3	1711.5	QPSK	1	HIGH	20.24	23.74	3.5	13	0.37	20.61	30	Pass
Band4	3	1711.5	16QAM	15	LOW	18.52	24.78	6.26	13	0.37	18.89	30	Pass
Band4	3	1711.5	16QAM	8	LOW	18.73	23.89	5.16	13	0.37	19.1	30	Pass
Band4	3	1711.5	16QAM	8	MID	18.74	23.8	5.06	13	0.37	19.11	30	Pass
Band4	3	1711.5	16QAM	8	HIGH	18.79	24.01	5.22	13	0.37	19.16	30	Pass
Band4	3	1711.5	16QAM	1	LOW	19.82	23.59	3.77	13	0.37	20.19	30	Pass
Band4	3	1711.5	16QAM	1	MID	19.85	23.78	3.93	13	0.37	20.22	30	Pass
Band4	3	1711.5	16QAM	1	HIGH	19.79	23.96	4.17	13	0.37	20.16	30	Pass
Band4	3	1732.5	QPSK	15	LOW	19.06	25.34	6.28	13	0.37	19.43	30	Pass
Band4	3	1732.5	QPSK	8	LOW	18.97	24.89	5.92	13	0.37	19.34	30	Pass
Band4	3	1732.5	QPSK	8	MID	18.96	24.78	5.82	13	0.37	19.33	30	Pass
Band4	3	1732.5	QPSK	8	HIGH	19.01	24.85	5.84	13	0.37	19.38	30	Pass
Band4	3	1732.5	QPSK	1	LOW	20.02	25.12	5.1	13	0.37	20.39	30	Pass
Band4	3	1732.5	QPSK	1	MID	20.11	25.02	4.91	13	0.37	20.48	30	Pass
Band4	3	1732.5	QPSK	1	HIGH	20.62	24.99	4.37	13	0.37	20.99	30	Pass
Band4	3	1732.5	16QAM	15	LOW	18.17	25.5	7.33	13	0.37	18.54	30	Pass
Band4	3	1732.5	16QAM	8	LOW	18.22	24.8	6.58	13	0.37	18.59	30	Pass
Band4	3	1732.5	16QAM	8	MID	18.23	24.49	6.26	13	0.37	18.6	30	Pass
Band4	3	1732.5	16QAM	8	HIGH	18.23	24.72	6.49	13	0.37	18.6	30	Pass
Band4	3	1732.5	16QAM	1	LOW	20	24.78	4.78	13	0.37	20.37	30	Pass
Band4	3	1732.5	16QAM	1	MID	19.84	24.83	4.99	13	0.37	20.21	30	Pass
Band4	3	1732.5	16QAM	1	HIGH	19.94	24.42	4.48	13	0.37	20.31	30	Pass
Band4	3	1753.5	QPSK	15	LOW	18.77	25.11	6.34	13	0.37	19.14	30	Pass
Band4	3	1753.5	QPSK	8	LOW	18.78	24.02	5.24	13	0.37	19.15	30	Pass
Band4	3	1753.5	QPSK	8	MID	18.79	23.82	5.03	13	0.37	19.16	30	Pass
Band4	3	1753.5	QPSK	8	HIGH	18.86	24.14	5.28	13	0.37	19.23	30	Pass
Band4	3	1753.5	QPSK	1	LOW	20.06	23.58	3.52	13	0.37	20.43	30	Pass
Band4	3	1753.5	QPSK	1	MID	20.02	23.76	3.74	13	0.37	20.39	30	Pass
Band4	3	1753.5	QPSK	1	HIGH	20.01	23.92	3.91	13	0.37	20.38	30	Pass
Band4	3	1753.5	16QAM	15	LOW	18.01	24.52	6.51	13	0.37	18.38	30	Pass
Band4	3	1753.5	16QAM	8	LOW	18.14	23.7	5.56	13	0.37	18.51	30	Pass
Band4	3	1753.5	16QAM	8	MID	18.16	23.73	5.57	13	0.37	18.53	30	Pass
Band4	3	1753.5	16QAM	8	HIGH	18.25	23.7	5.45	13	0.37	18.62	30	Pass
Band4	3	1753.5	16QAM	1	LOW	19.03	23.14	4.11	13	0.37	19.4	30	Pass
Band4	3	1753.5	16QAM	1	MID	19.1	23.32	4.22	13	0.37	19.47	30	Pass
Band4	3	1753.5	16QAM	1	HIGH	19.02	23.44	4.42	13	0.37	19.39	30	Pass
Band4	5	1712.5	QPSK	25	LOW	19.35	24.7	5.35	13	0.37	19.72	30	Pass
Band4	5	1712.5	QPSK	12	LOW	19.23	23.76	4.53	13	0.37	19.6	30	Pass

Band4	5	1712.5	QPSK	12	MID	19.23	23.66	4.43	13	0.37	19.6	30	Pass
Band4	5	1712.5	QPSK	12	HIGH	19.24	24.02	4.78	13	0.37	19.61	30	Pass
Band4	5	1712.5	QPSK	1	LOW	20.24	23.56	3.32	13	0.37	20.61	30	Pass
Band4	5	1712.5	QPSK	1	MID	20.33	24.07	3.74	13	0.37	20.7	30	Pass
Band4	5	1712.5	QPSK	1	HIGH	20.37	24.49	4.12	13	0.37	20.74	30	Pass
Band4	5	1712.5	16QAM	25	LOW	18.51	24.85	6.34	13	0.37	18.88	30	Pass
Band4	5	1712.5	16QAM	12	LOW	18.47	23.91	5.44	13	0.37	18.84	30	Pass
Band4	5	1712.5	16QAM	12	MID	18.45	23.93	5.48	13	0.37	18.82	30	Pass
Band4	5	1712.5	16QAM	12	HIGH	18.44	24.24	5.8	13	0.37	18.81	30	Pass
Band4	5	1712.5	16QAM	1	LOW	18.74	23.15	4.41	13	0.37	19.11	30	Pass
Band4	5	1712.5	16QAM	1	MID	18.73	23.45	4.72	13	0.37	19.1	30	Pass
Band4	5	1712.5	16QAM	1	HIGH	18.64	23.76	5.12	13	0.37	19.01	30	Pass
Band4	5	1732.5	QPSK	25	LOW	18.95	25.57	6.62	13	0.37	19.32	30	Pass
Band4	5	1732.5	QPSK	12	LOW	19.66	25.83	6.17	13	0.37	20.03	30	Pass
Band4	5	1732.5	QPSK	12	MID	19.13	25.47	6.34	13	0.37	19.5	30	Pass
Band4	5	1732.5	QPSK	12	HIGH	18.99	25.02	6.03	13	0.37	19.36	30	Pass
Band4	5	1732.5	QPSK	1	LOW	20.17	25.56	5.39	13	0.37	20.54	30	Pass
Band4	5	1732.5	QPSK	1	MID	20.01	24.86	4.85	13	0.37	20.38	30	Pass
Band4	5	1732.5	QPSK	1	HIGH	20.17	24.67	4.5	13	0.37	20.54	30	Pass
Band4	5	1732.5	16QAM	25	LOW	18.09	25.33	7.24	13	0.37	18.46	30	Pass
Band4	5	1732.5	16QAM	12	LOW	18.14	24.69	6.55	13	0.37	18.51	30	Pass
Band4	5	1732.5	16QAM	12	MID	18.14	24.7	6.56	13	0.37	18.51	30	Pass
Band4	5	1732.5	16QAM	12	HIGH	18.22	24.67	6.45	13	0.37	18.59	30	Pass
Band4	5	1732.5	16QAM	1	LOW	19.28	25.02	5.74	13	0.37	19.65	30	Pass
Band4	5	1732.5	16QAM	1	MID	19.28	24.74	5.46	13	0.37	19.65	30	Pass
Band4	5	1732.5	16QAM	1	HIGH	19.31	24.52	5.21	13	0.37	19.68	30	Pass
Band4	5	1752.5	QPSK	25	LOW	18.73	24.02	5.29	13	0.37	19.1	30	Pass
Band4	5	1752.5	QPSK	12	LOW	18.94	23.62	4.68	13	0.37	19.31	30	Pass
Band4	5	1752.5	QPSK	12	MID	18.95	23.59	4.64	13	0.37	19.32	30	Pass
Band4	5	1752.5	QPSK	12	HIGH	18.87	23.78	4.91	13	0.37	19.24	30	Pass
Band4	5	1752.5	QPSK	1	LOW	19.78	23.42	3.64	13	0.37	20.15	30	Pass
Band4	5	1752.5	QPSK	1	MID	19.72	23.64	3.92	13	0.37	20.09	30	Pass
Band4	5	1752.5	QPSK	1	HIGH	19.79	23.96	4.17	13	0.37	20.16	30	Pass
Band4	5	1752.5	16QAM	25	LOW	17.8	24.07	6.27	13	0.37	18.17	30	Pass
Band4	5	1752.5	16QAM	12	LOW	17.8	23.51	5.71	13	0.37	18.17	30	Pass
Band4	5	1752.5	16QAM	12	MID	17.8	23.49	5.69	13	0.37	18.17	30	Pass
Band4	5	1752.5	16QAM	12	HIGH	17.86	23.68	5.82	13	0.37	18.23	30	Pass
Band4	5	1752.5	16QAM	1	LOW	18.48	23.25	4.77	13	0.37	18.85	30	Pass
Band4	5	1752.5	16QAM	1	MID	18.42	23.44	5.02	13	0.37	18.79	30	Pass
Band4	5	1752.5	16QAM	1	HIGH	18.42	23.82	5.4	13	0.37	18.79	30	Pass
Band4	10	1715	QPSK	50	LOW	19.39	25.12	5.73	13	0.37	19.76	30	Pass
Band4	10	1715	QPSK	25	LOW	19.15	24.14	4.99	13	0.37	19.52	30	Pass
Band4	10	1715	QPSK	25	MID	19.17	24.14	4.97	13	0.37	19.54	30	Pass
Band4	10	1715	QPSK	25	HIGH	19.18	25.06	5.88	13	0.37	19.55	30	Pass
Band4	10	1715	QPSK	1	LOW	20.18	23.52	3.34	13	0.37	20.55	30	Pass
Band4	10	1715	QPSK	1	MID	20.25	24.26	4.01	13	0.37	20.62	30	Pass

Band4	10	1715	QPSK	1	HIGH	20.28	25.1	4.82	13	0.37	20.65	30	Pass
Band4	10	1715	16QAM	50	LOW	18.44	25.32	6.88	13	0.37	18.81	30	Pass
Band4	10	1715	16QAM	25	LOW	18.4	24.17	5.77	13	0.37	18.77	30	Pass
Band4	10	1715	16QAM	25	MID	18.42	24.14	5.72	13	0.37	18.79	30	Pass
Band4	10	1715	16QAM	25	HIGH	18.35	25	6.65	13	0.37	18.72	30	Pass
Band4	10	1715	16QAM	1	LOW	19.66	23.69	4.03	13	0.37	20.03	30	Pass
Band4	10	1715	16QAM	1	MID	19.77	24.51	4.74	13	0.37	20.14	30	Pass
Band4	10	1715	16QAM	1	HIGH	19.66	25.55	5.89	13	0.37	20.03	30	Pass
Band4	10	1732.5	QPSK	50	LOW	19.13	25.45	6.32	13	0.37	19.5	30	Pass
Band4	10	1732.5	QPSK	25	LOW	18.98	25.27	6.29	13	0.37	19.35	30	Pass
Band4	10	1732.5	QPSK	25	MID	18.99	25.14	6.15	13	0.37	19.36	30	Pass
Band4	10	1732.5	QPSK	25	HIGH	18.89	24.84	5.95	13	0.37	19.26	30	Pass
Band4	10	1732.5	QPSK	1	LOW	20.38	25.65	5.27	13	0.37	20.75	30	Pass
Band4	10	1732.5	QPSK	1	MID	20.31	25.03	4.72	13	0.37	20.68	30	Pass
Band4	10	1732.5	QPSK	1	HIGH	20.11	24.37	4.26	13	0.37	20.48	30	Pass
Band4	10	1732.5	16QAM	50	LOW	18.15	25.33	7.18	13	0.37	18.52	30	Pass
Band4	10	1732.5	16QAM	25	LOW	18.4	25.85	7.45	13	0.37	18.77	30	Pass
Band4	10	1732.5	16QAM	25	MID	18.39	25.67	7.28	13	0.37	18.76	30	Pass
Band4	10	1732.5	16QAM	25	HIGH	18.29	24.95	6.66	13	0.37	18.66	30	Pass
Band4	10	1732.5	16QAM	1	LOW	19.45	25.21	5.76	13	0.37	19.82	30	Pass
Band4	10	1732.5	16QAM	1	MID	19.37	24.15	4.78	13	0.37	19.74	30	Pass
Band4	10	1732.5	16QAM	1	HIGH	19.35	24.05	4.7	13	0.37	19.72	30	Pass
Band4	10	1750	QPSK	50	LOW	18.71	24.12	5.41	13	0.37	19.08	30	Pass
Band4	10	1750	QPSK	25	LOW	18.82	23.71	4.89	13	0.37	19.19	30	Pass
Band4	10	1750	QPSK	25	MID	18.83	23.74	4.91	13	0.37	19.2	30	Pass
Band4	10	1750	QPSK	25	HIGH	18.83	24.01	5.18	13	0.37	19.2	30	Pass
Band4	10	1750	QPSK	1	LOW	20.06	23.32	3.26	13	0.37	20.43	30	Pass
Band4	10	1750	QPSK	1	MID	20.08	23.38	3.3	13	0.37	20.45	30	Pass
Band4	10	1750	QPSK	1	HIGH	20.14	23.95	3.81	13	0.37	20.51	30	Pass
Band4	10	1750	16QAM	50	LOW	17.99	24.34	6.35	13	0.37	18.36	30	Pass
Band4	10	1750	16QAM	25	LOW	18.12	23.46	5.34	13	0.37	18.49	30	Pass
Band4	10	1750	16QAM	25	MID	17.98	23.42	5.44	13	0.37	18.35	30	Pass
Band4	10	1750	16QAM	25	HIGH	17.98	23.72	5.74	13	0.37	18.35	30	Pass
Band4	10	1750	16QAM	1	LOW	18.68	22.81	4.13	13	0.37	19.05	30	Pass
Band4	10	1750	16QAM	1	MID	18.71	22.9	4.19	13	0.37	19.08	30	Pass
Band4	10	1750	16QAM	1	HIGH	18.7	23.3	4.6	13	0.37	19.07	30	Pass