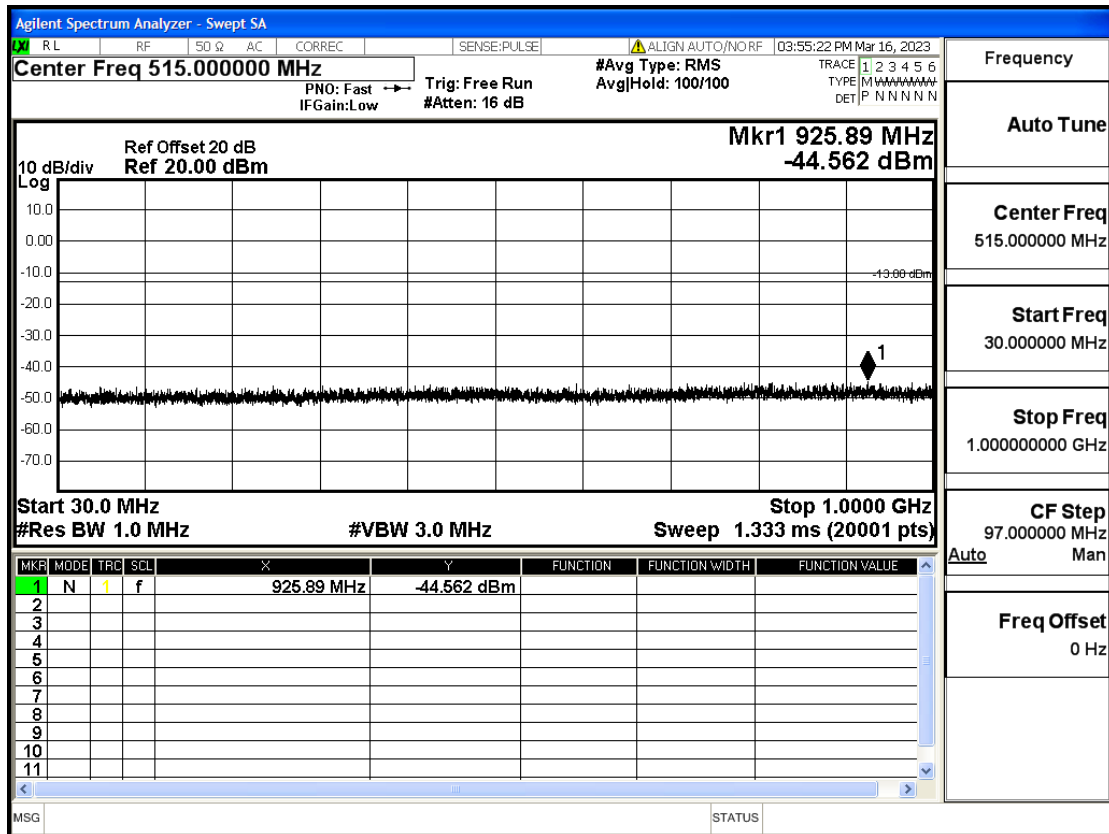
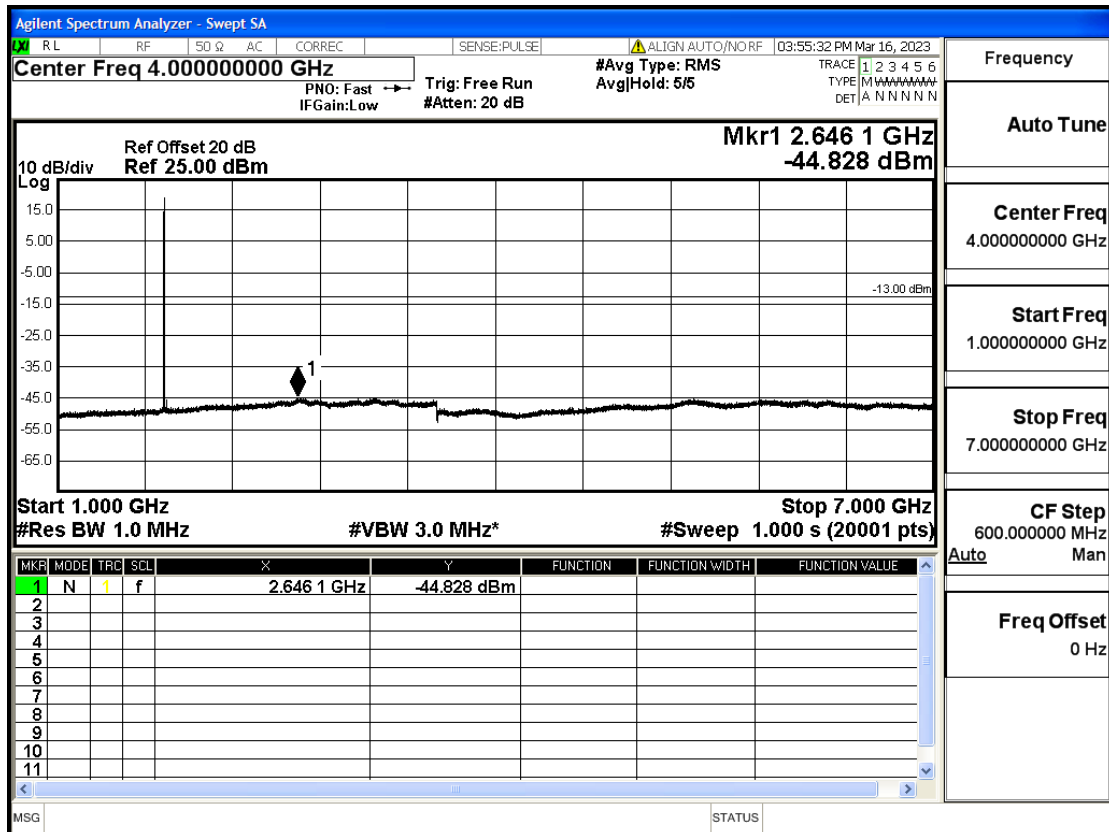


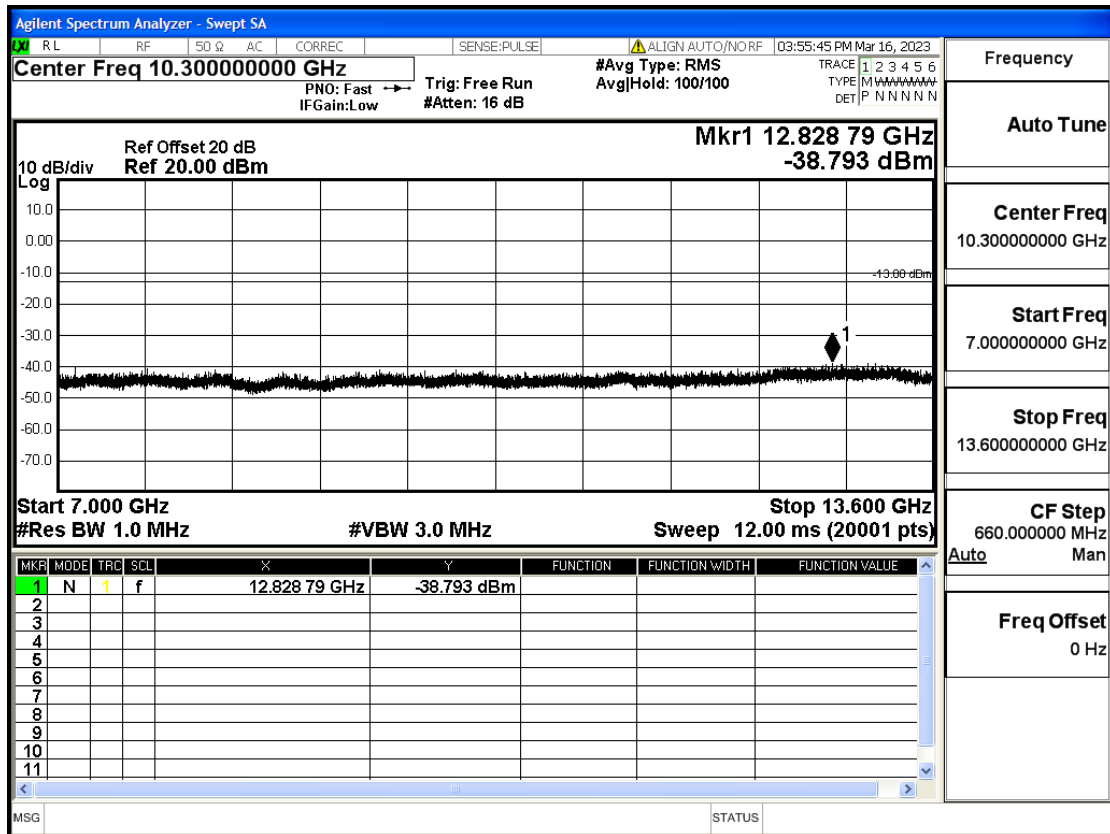
OB4-1.4-1732.5-Q16-6#LOW@30mHz-1GHz@Pass



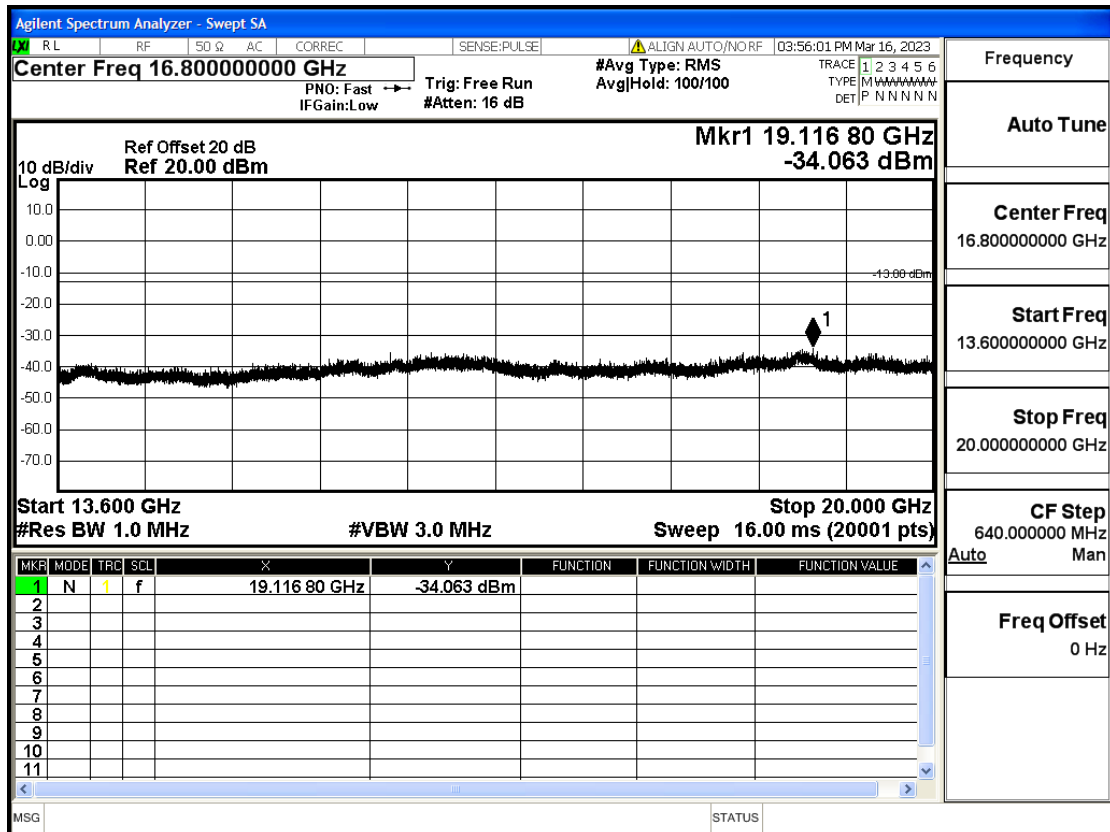
OB4-1.4-1732.5-Q16-6#LOW@1GHz-7GHz@Pass



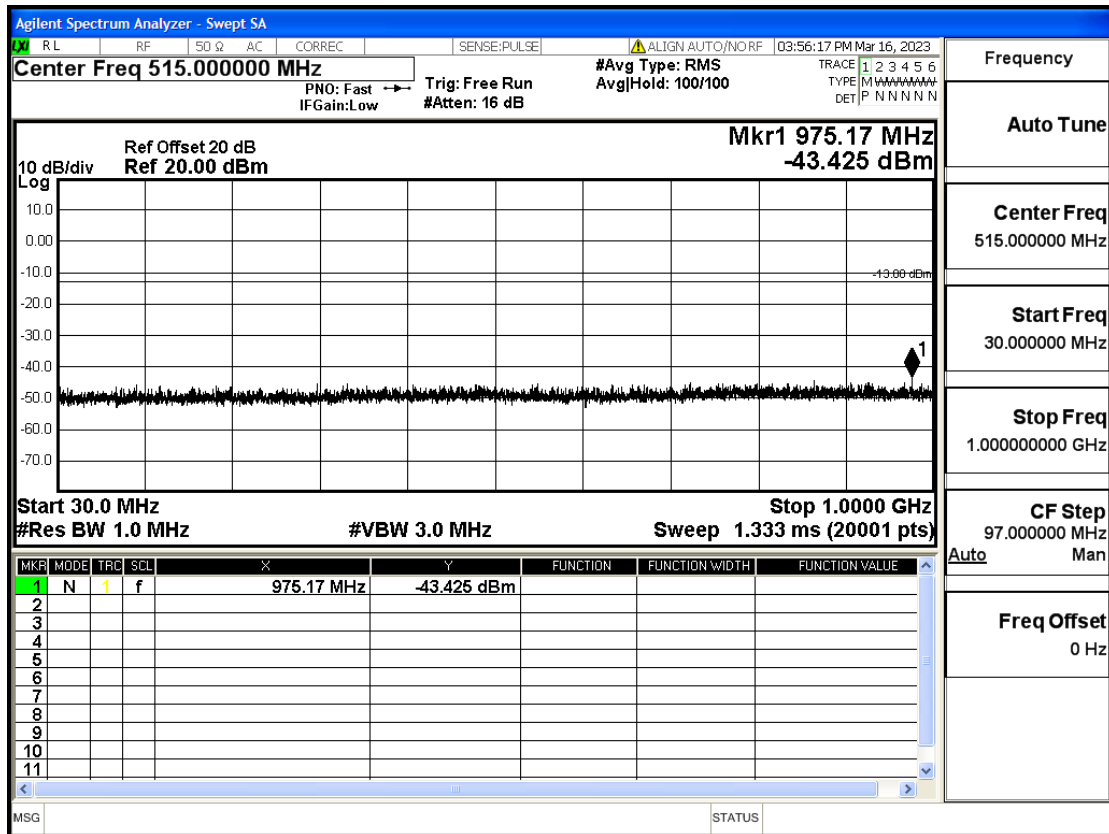
OB4-1.4-1732.5-Q16-6#LOW@7GHz-13.6GHz@Pass



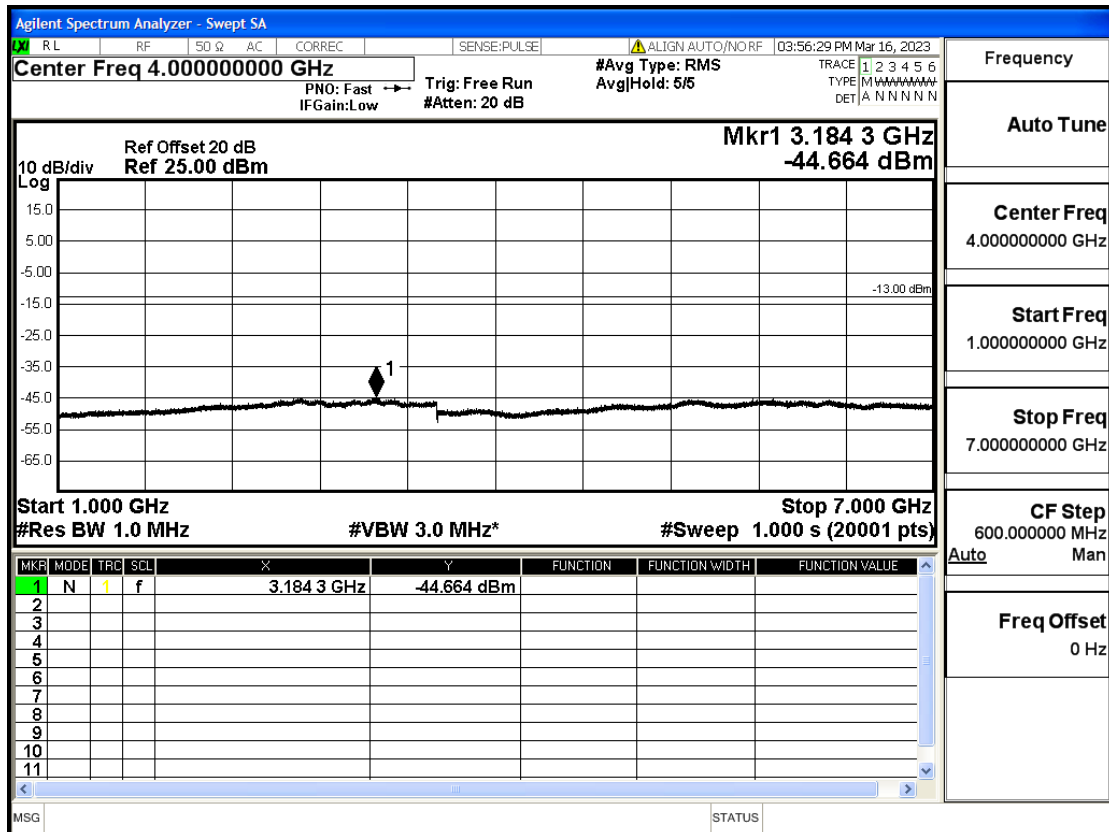
OB4-1.4-1732.5-Q16-6#LOW@13.6GHz-20GHz@Pass



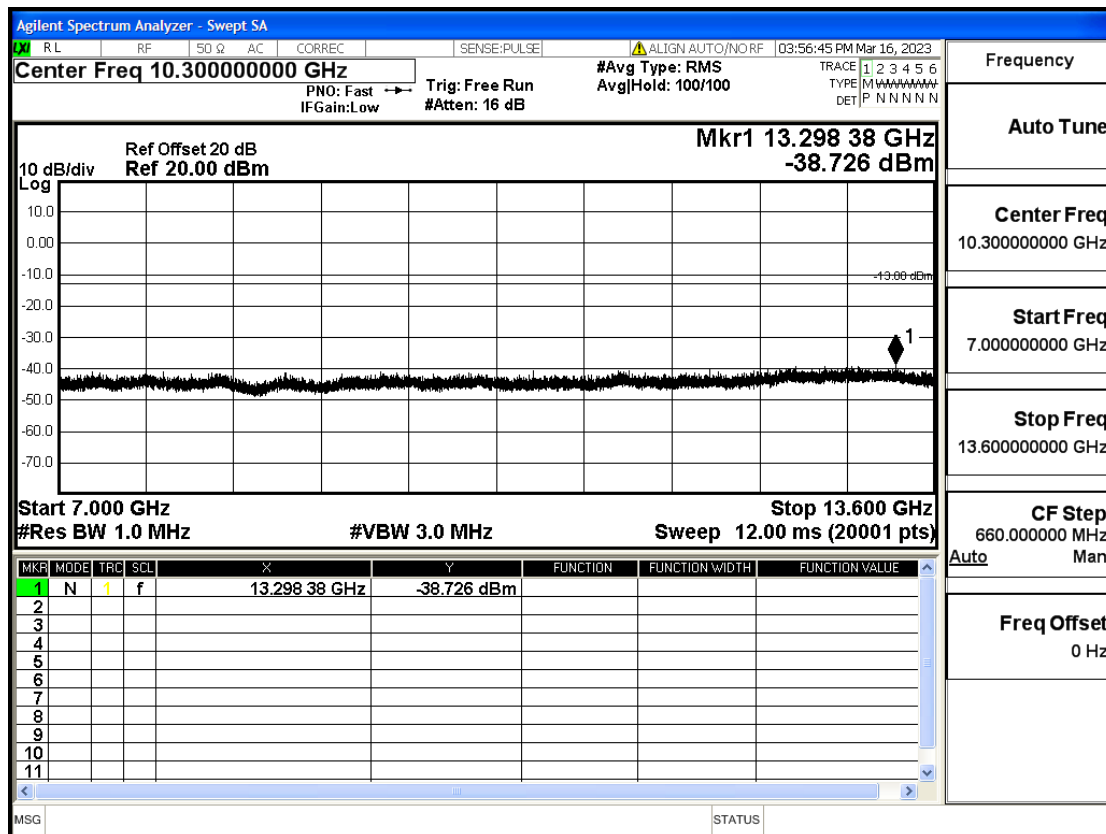
OB4-1.4-1754.3-Q16-6#LOW@30mHz-1GHz@Pass



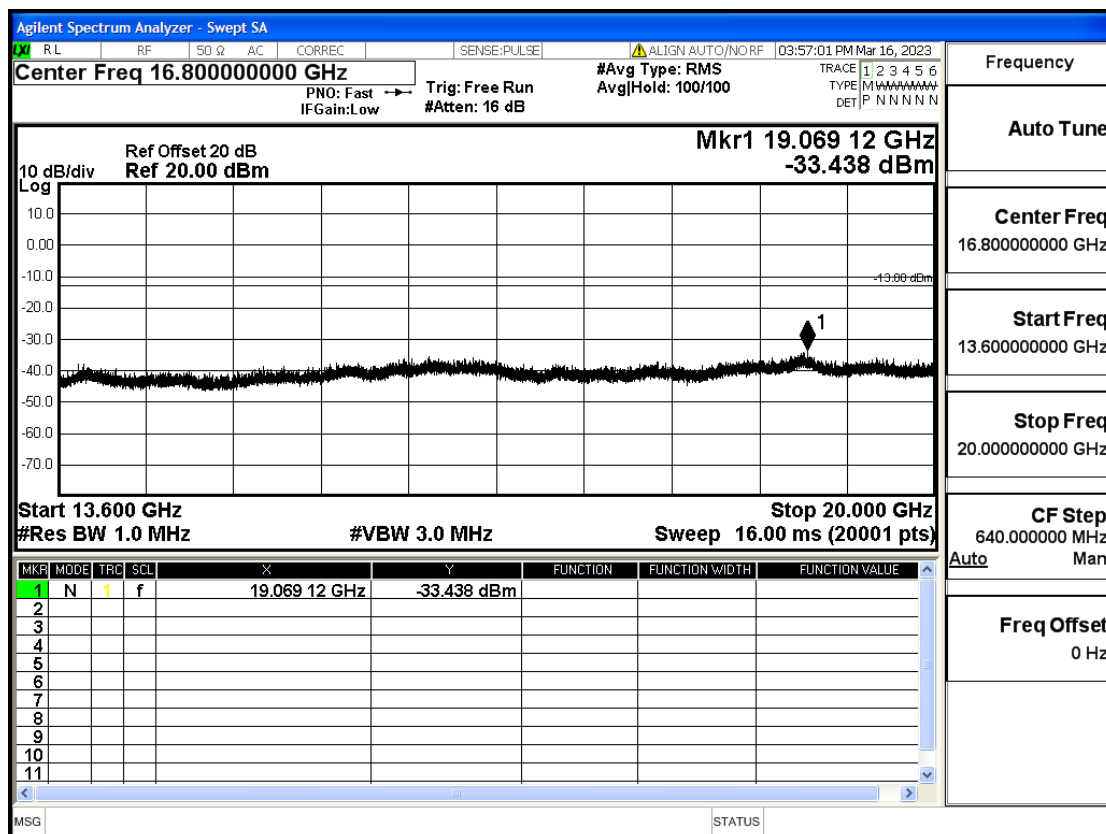
OB4-1.4-1754.3-Q16-6#LOW@1GHz-7GHz@Pass



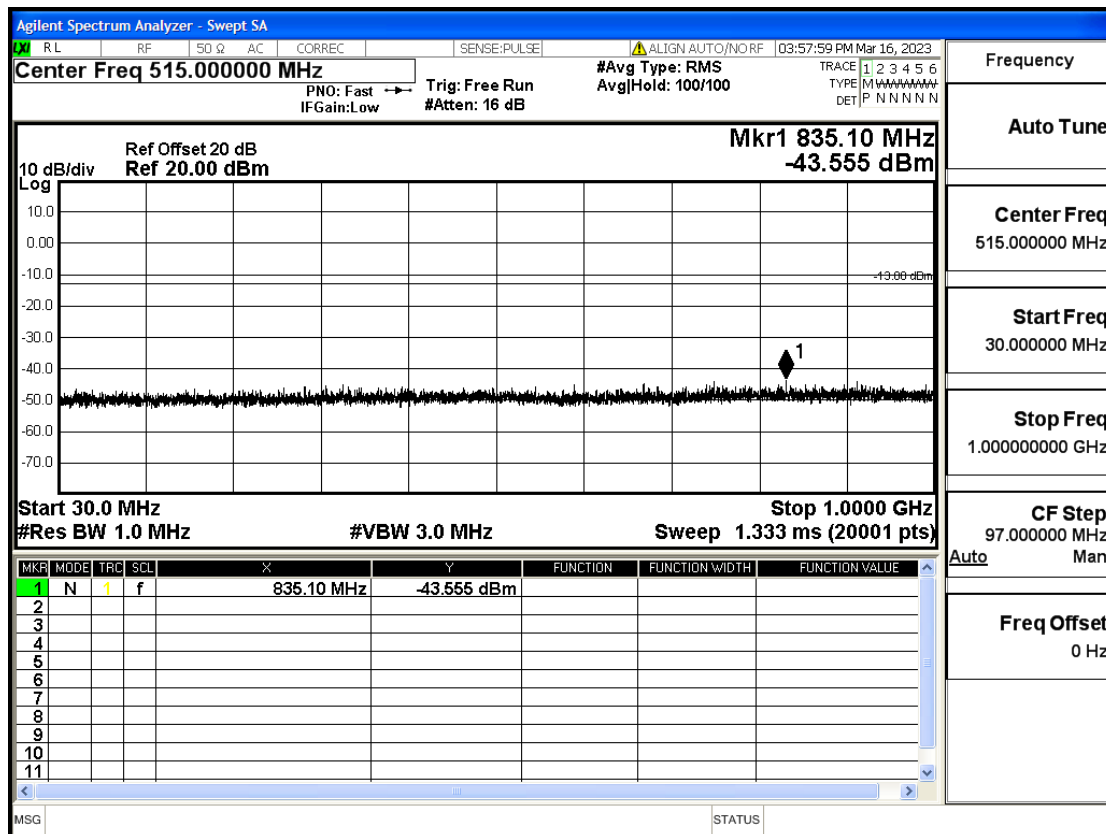
OB4-1.4-1754.3-Q16-6#LOW@7GHz-13.6GHz@Pass



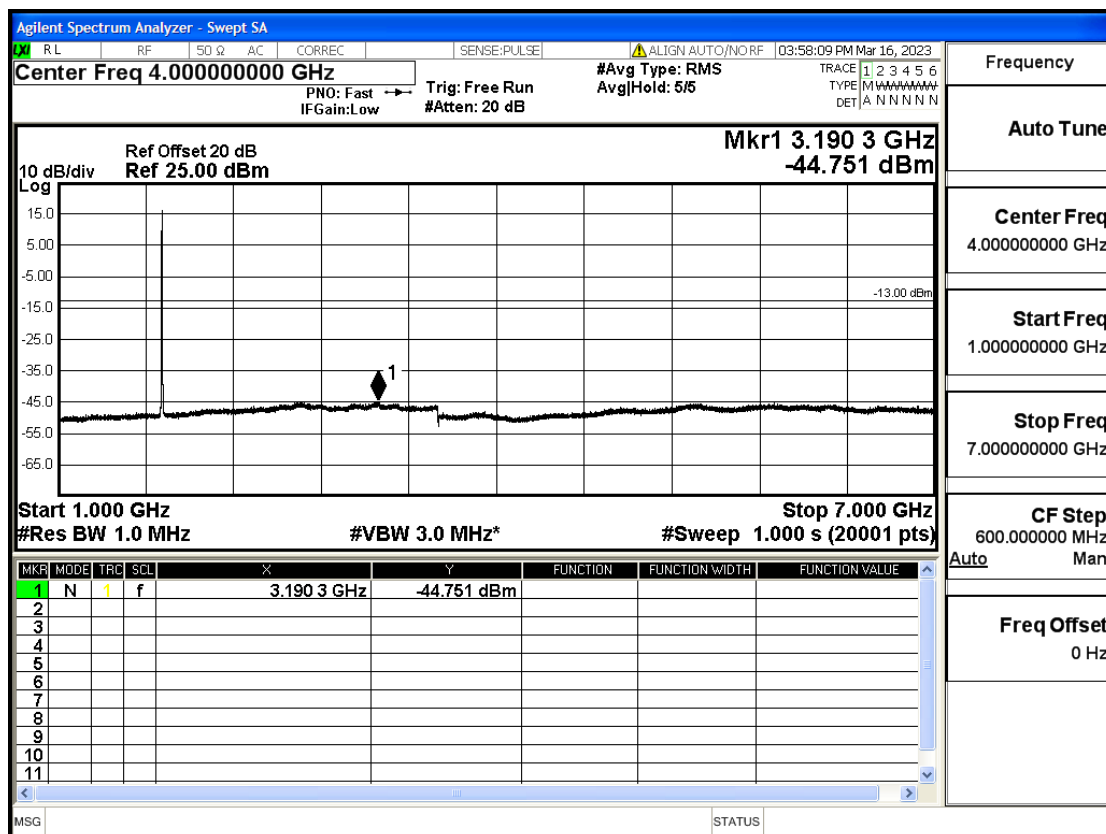
OB4-1.4-1754.3-Q16-6#LOW@13.6GHz-20GHz@Pass



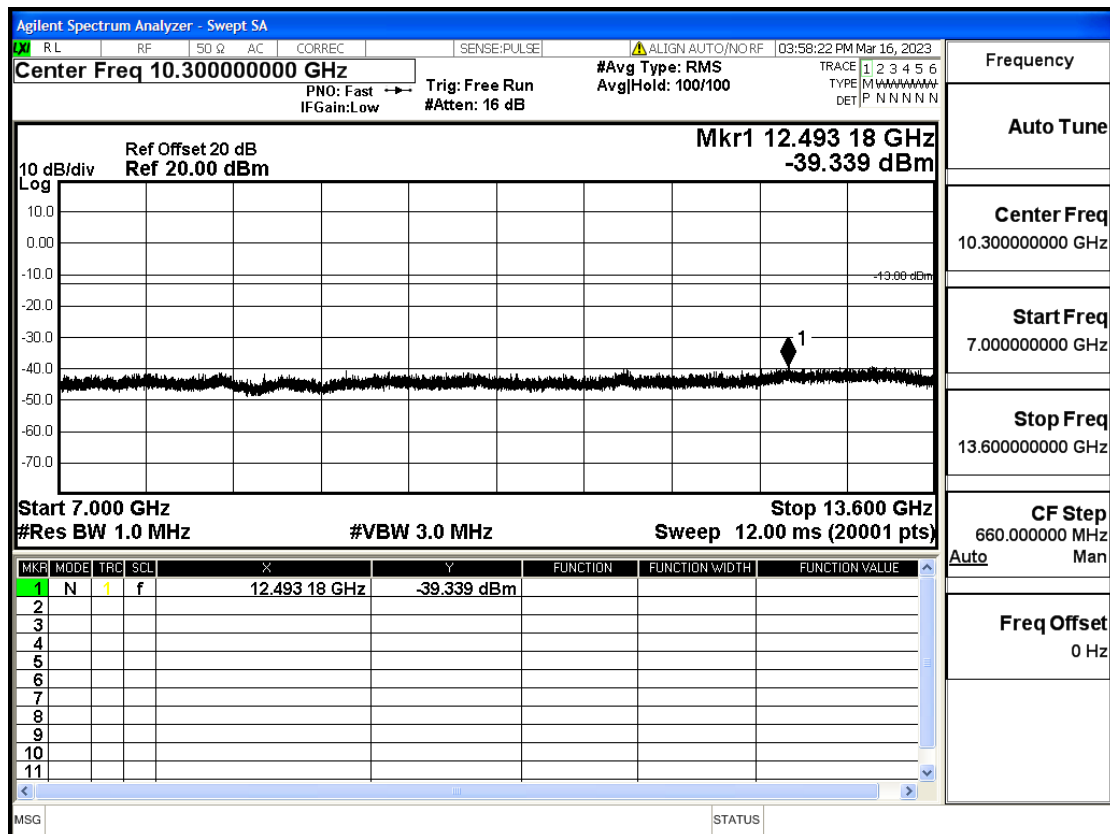
OB4-3-1711.5-Q16-15#LOW@30mHz-1GHz@Pass



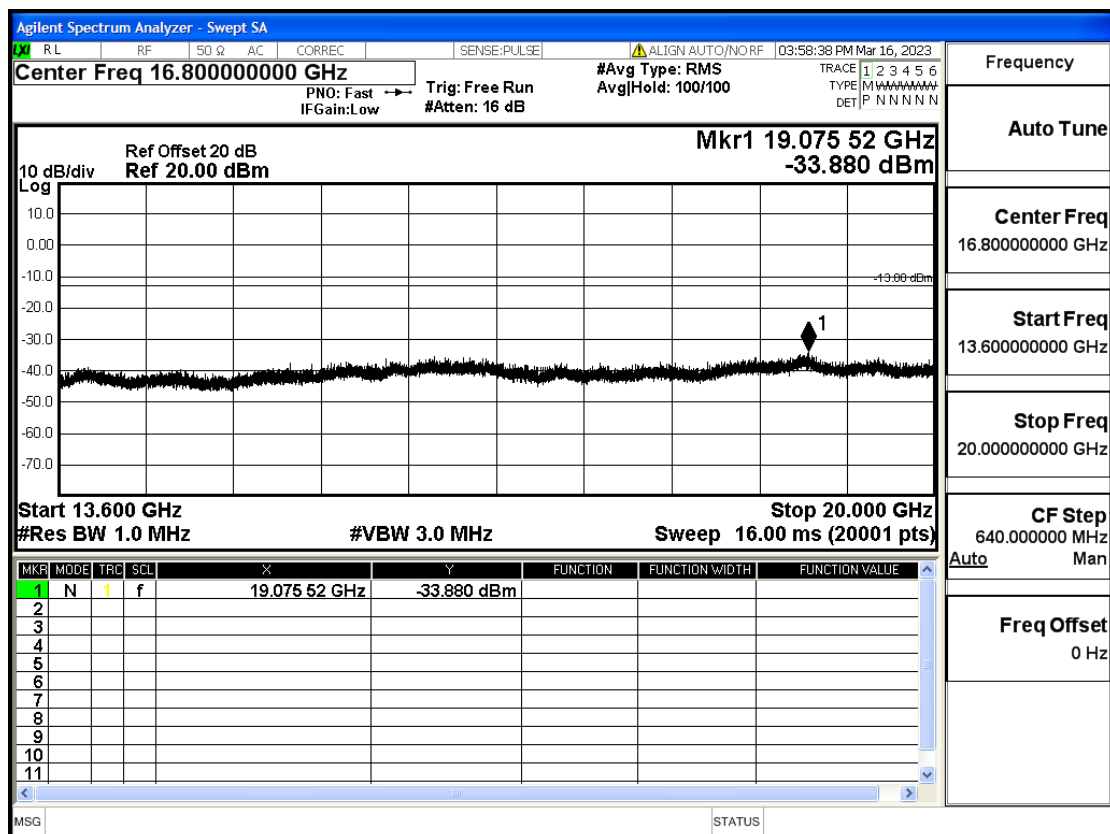
OB4-3-1711.5-Q16-15#LOW@1GHz-7GHz@Pass



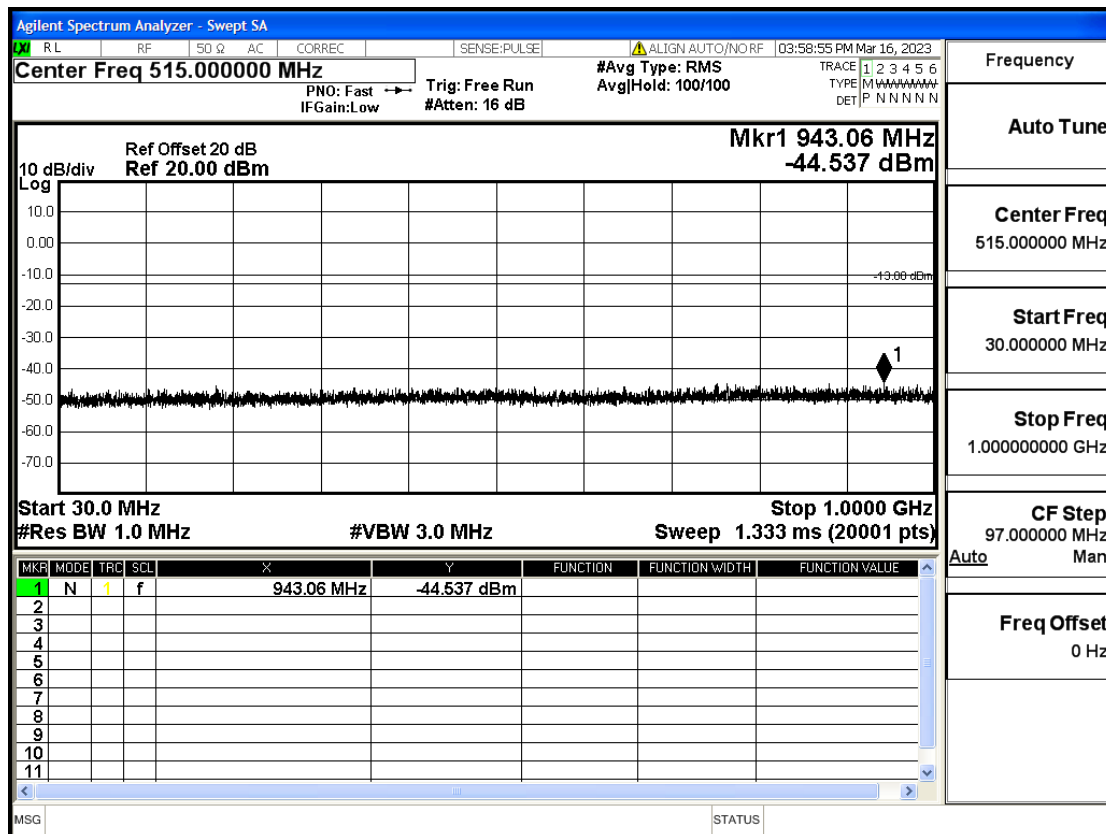
OB4-3-1711.5-Q16-15#LOW@7GHz-13.6GHz@Pass



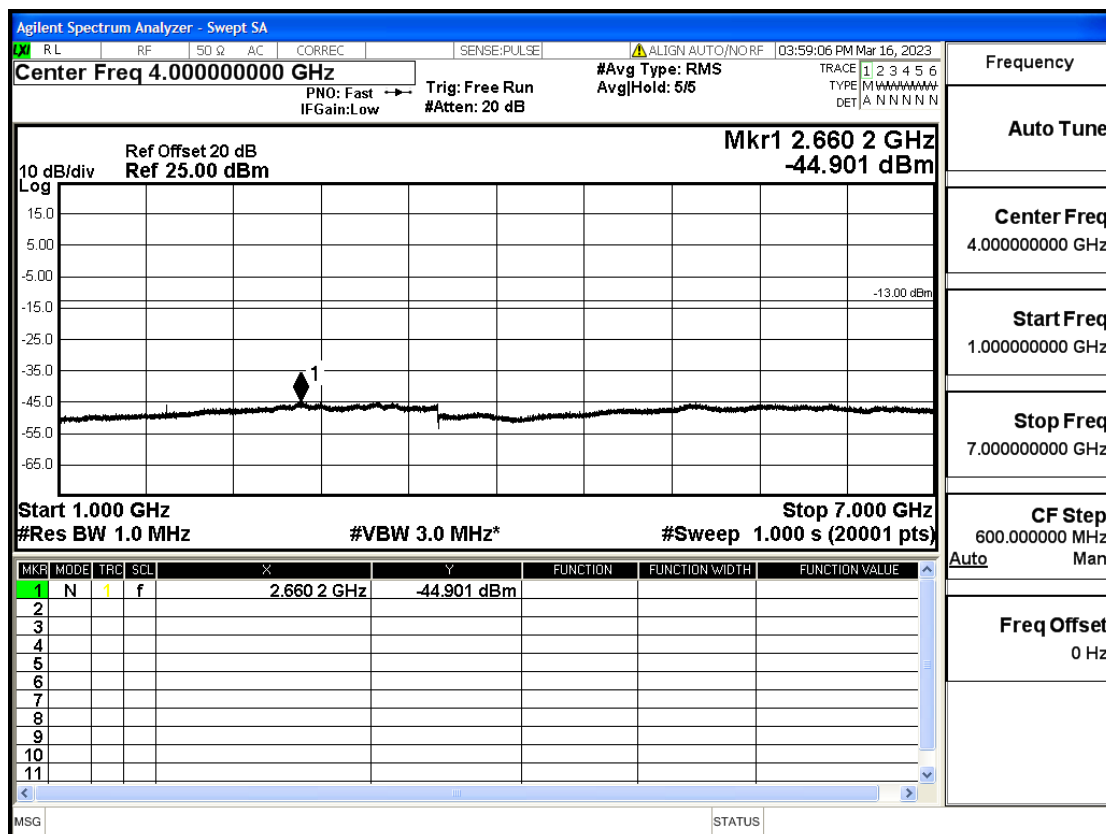
OB4-3-1711.5-Q16-15#LOW@13.6GHz-20GHz@Pass



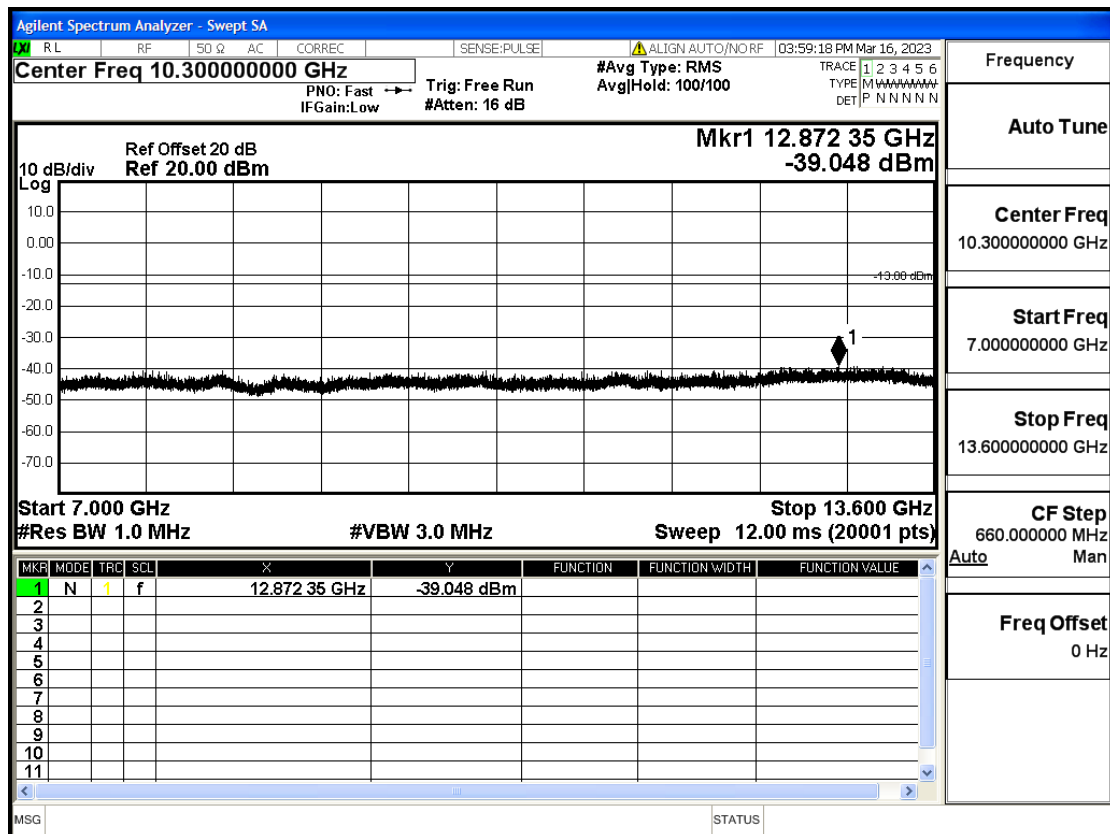
OB4-3-1732.5-Q16-15#LOW@30mHz-1GHz@Pass



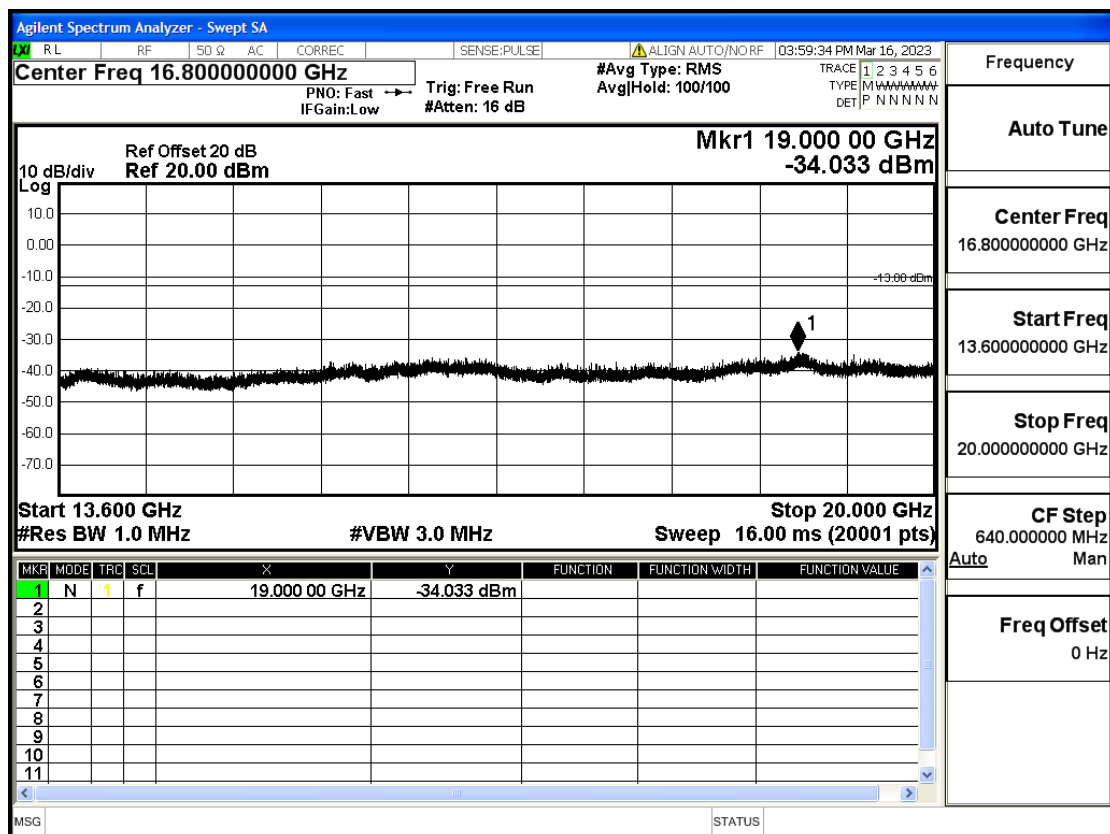
OB4-3-1732.5-Q16-15#LOW@1GHz-7GHz@Pass



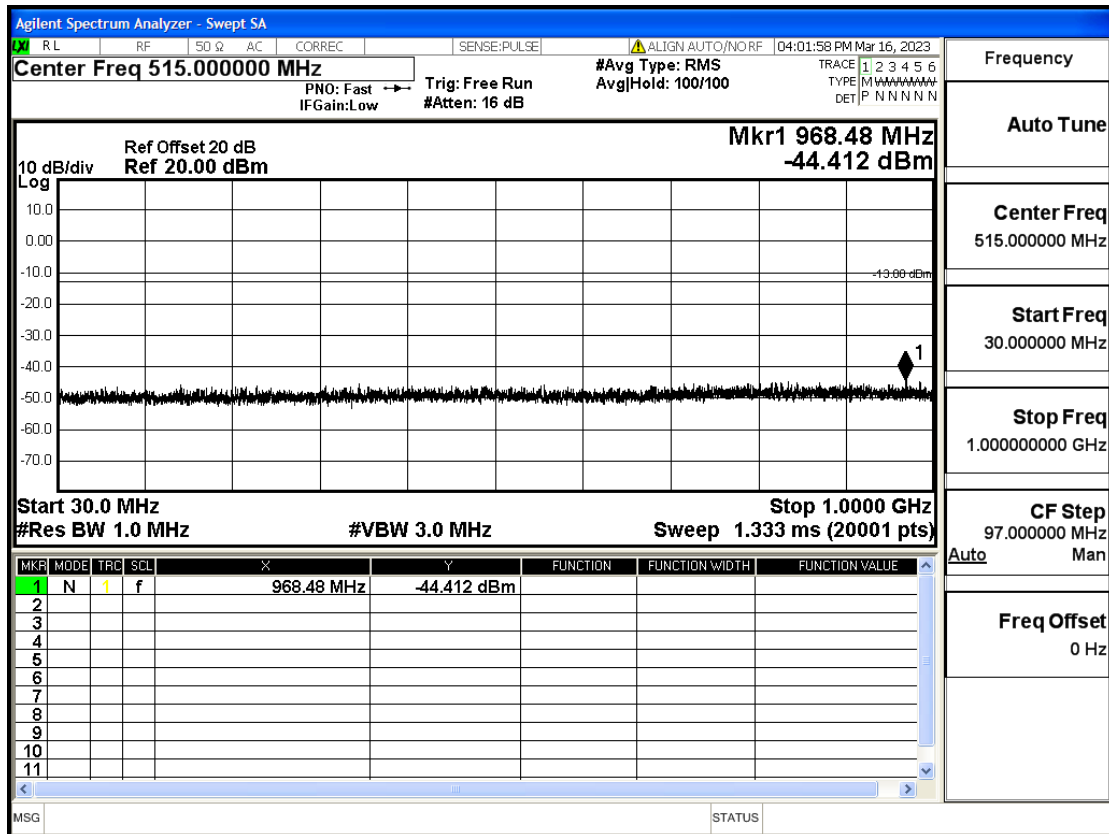
OB4-3-1732.5-Q16-15#LOW@7GHz-13.6GHz@Pass



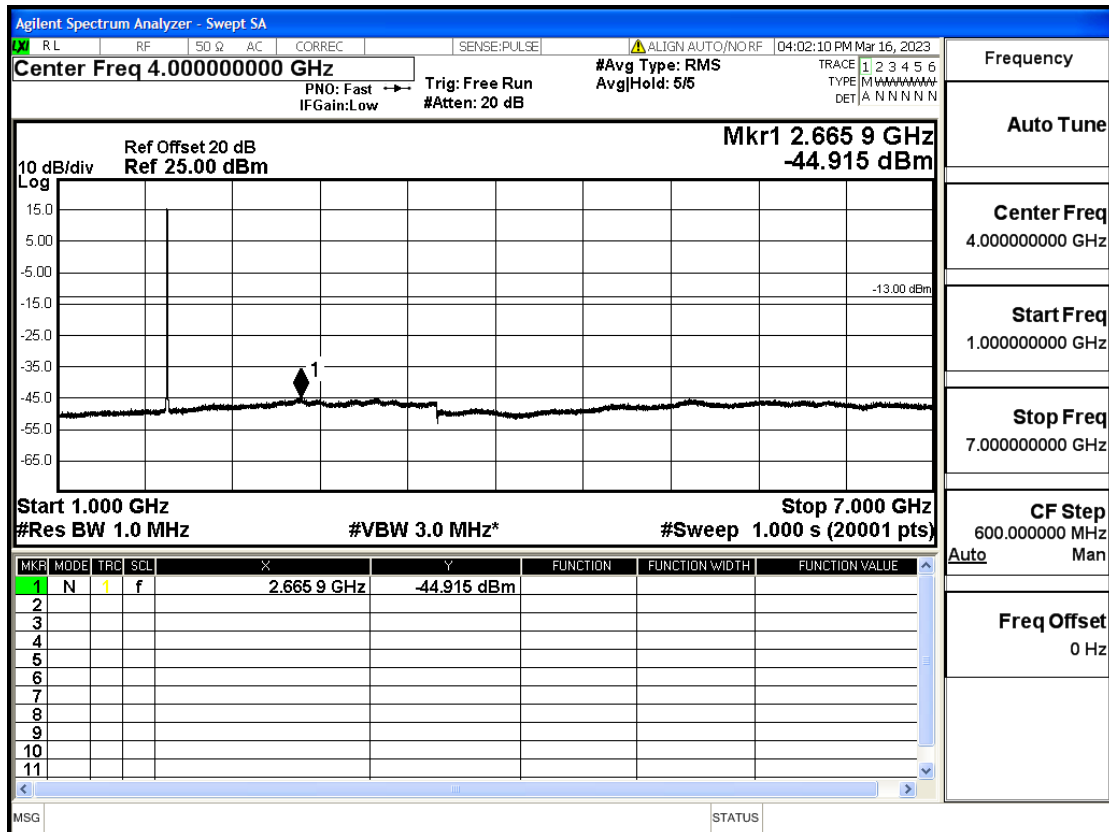
OB4-3-1732.5-Q16-15#LOW@13.6GHz-20GHz@Pass



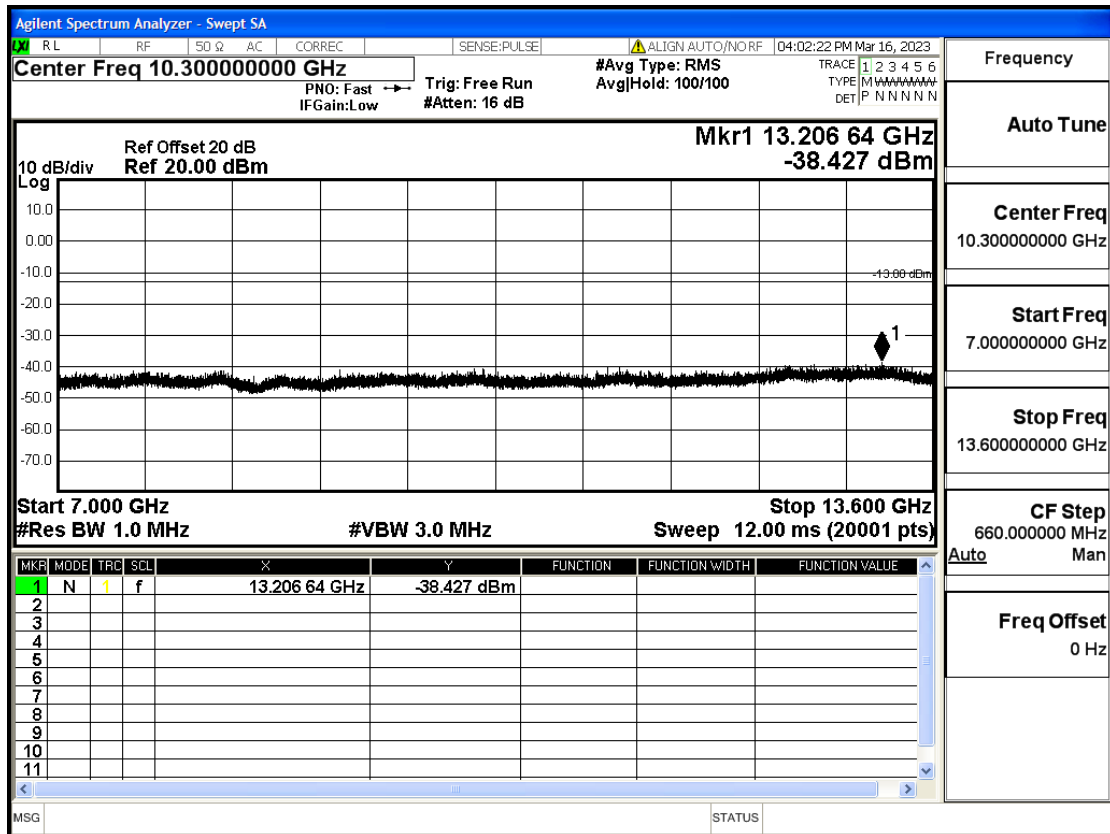
OB4-3-1753.5-Q16-15#LOW@30mHz-1GHz@Pass



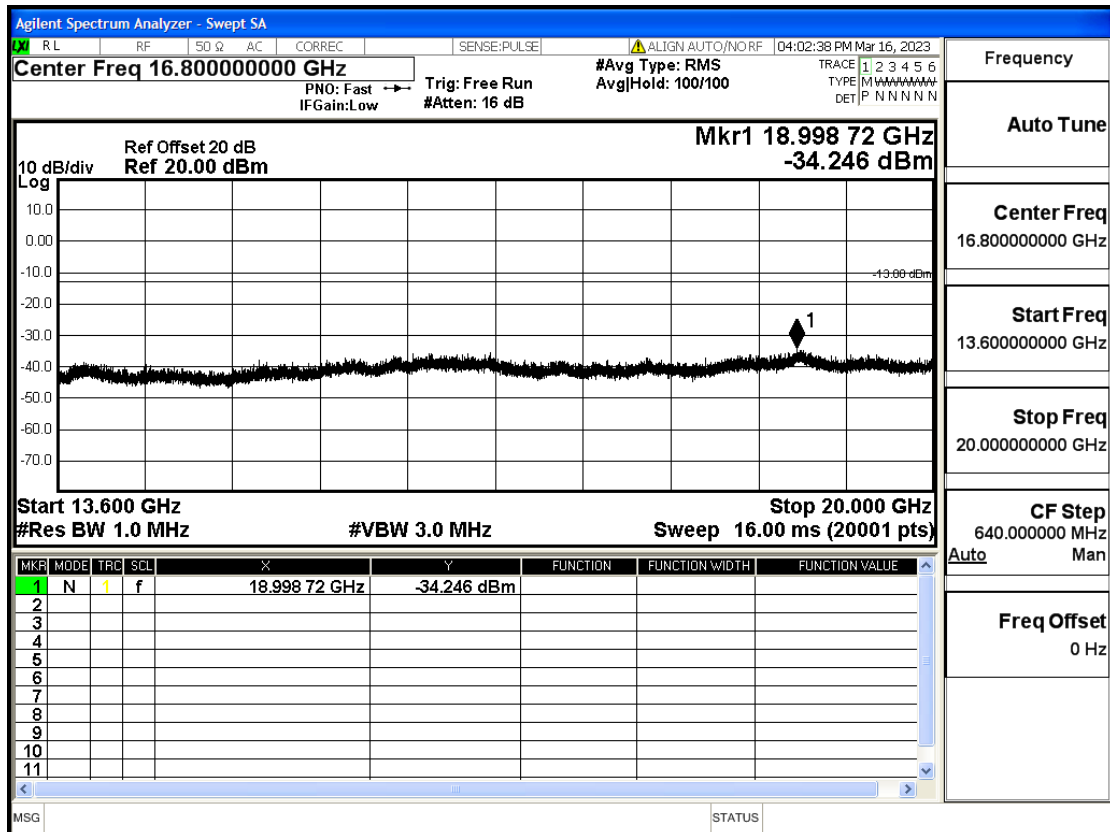
OB4-3-1753.5-Q16-15#LOW@1GHz-7GHz@Pass



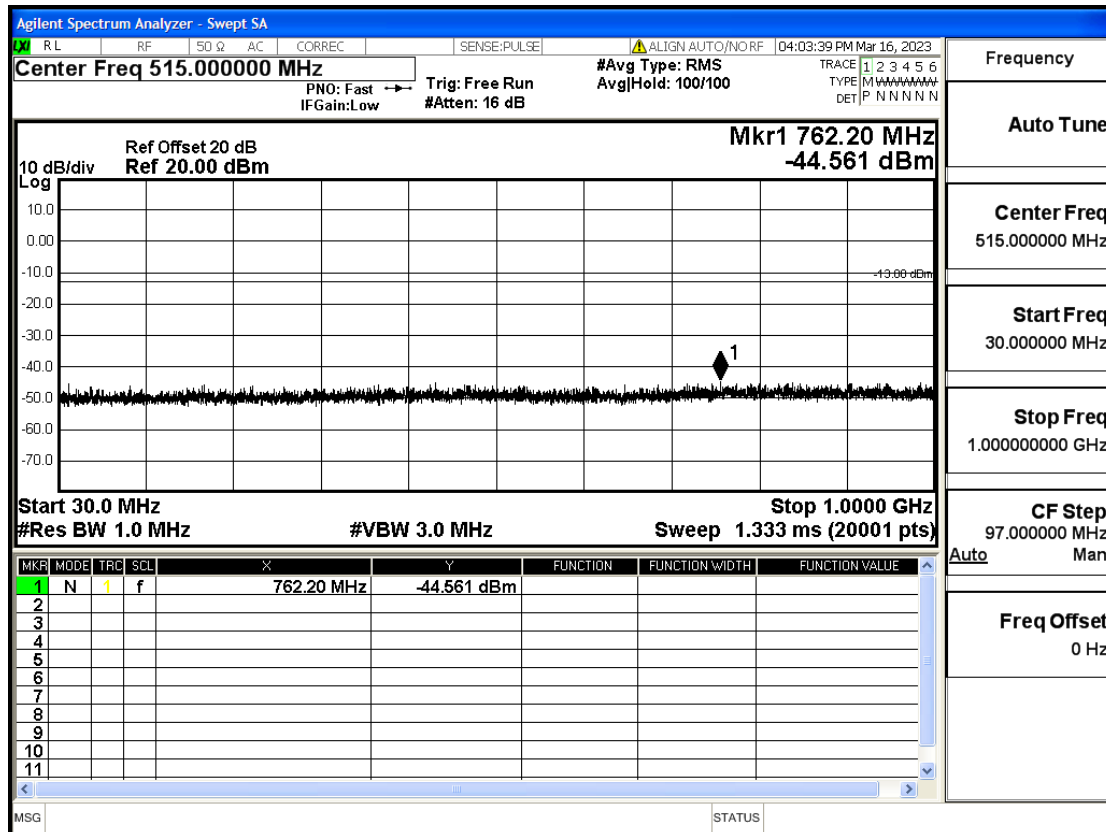
OB4-3-1753.5-Q16-15#LOW@7GHz-13.6GHz@Pass



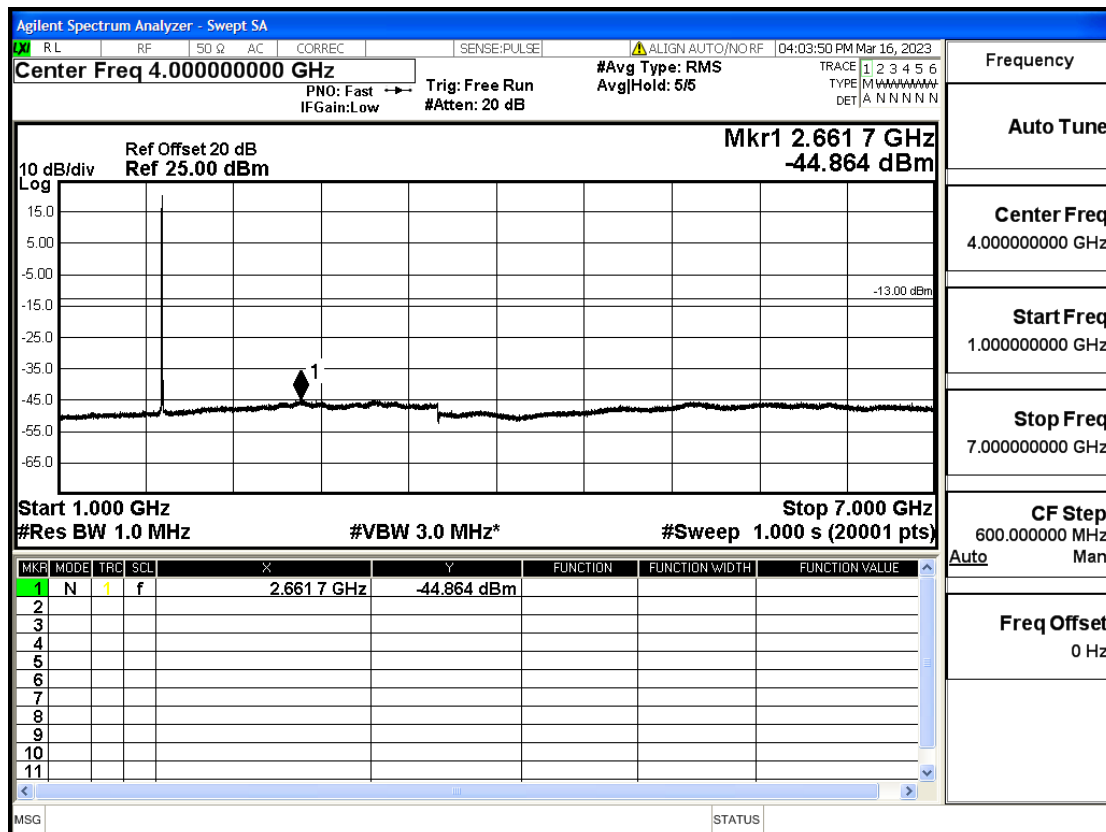
OB4-3-1753.5-Q16-15#LOW@13.6GHz-20GHz@Pass



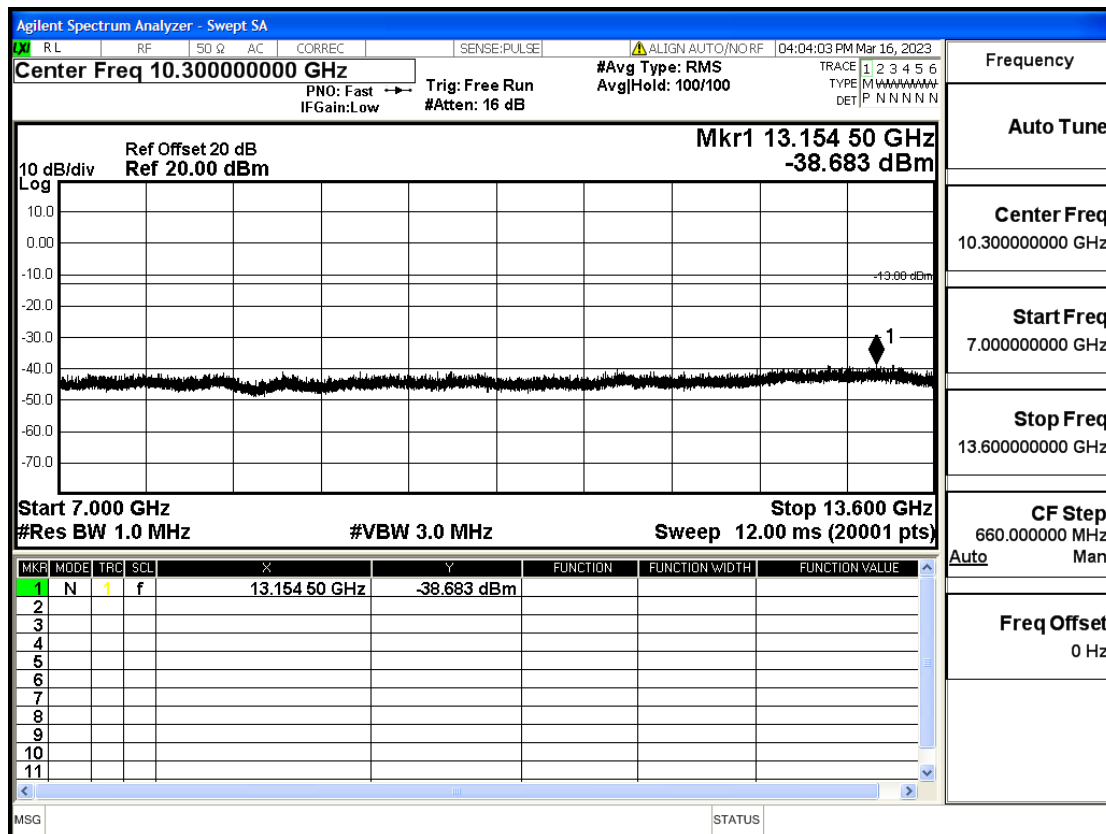
OB4-5-1712.5-Q16-25#LOW@30mHz-1GHz@Pass



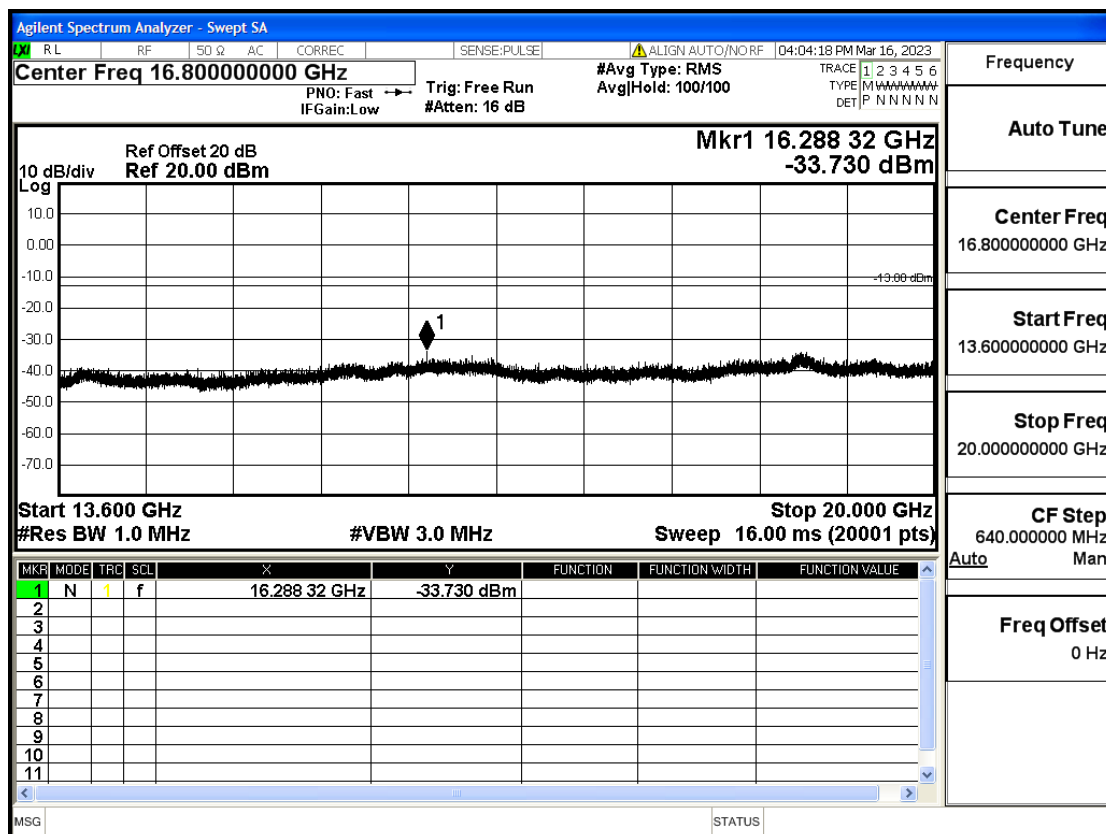
OB4-5-1712.5-Q16-25#LOW@1GHz-7GHz@Pass



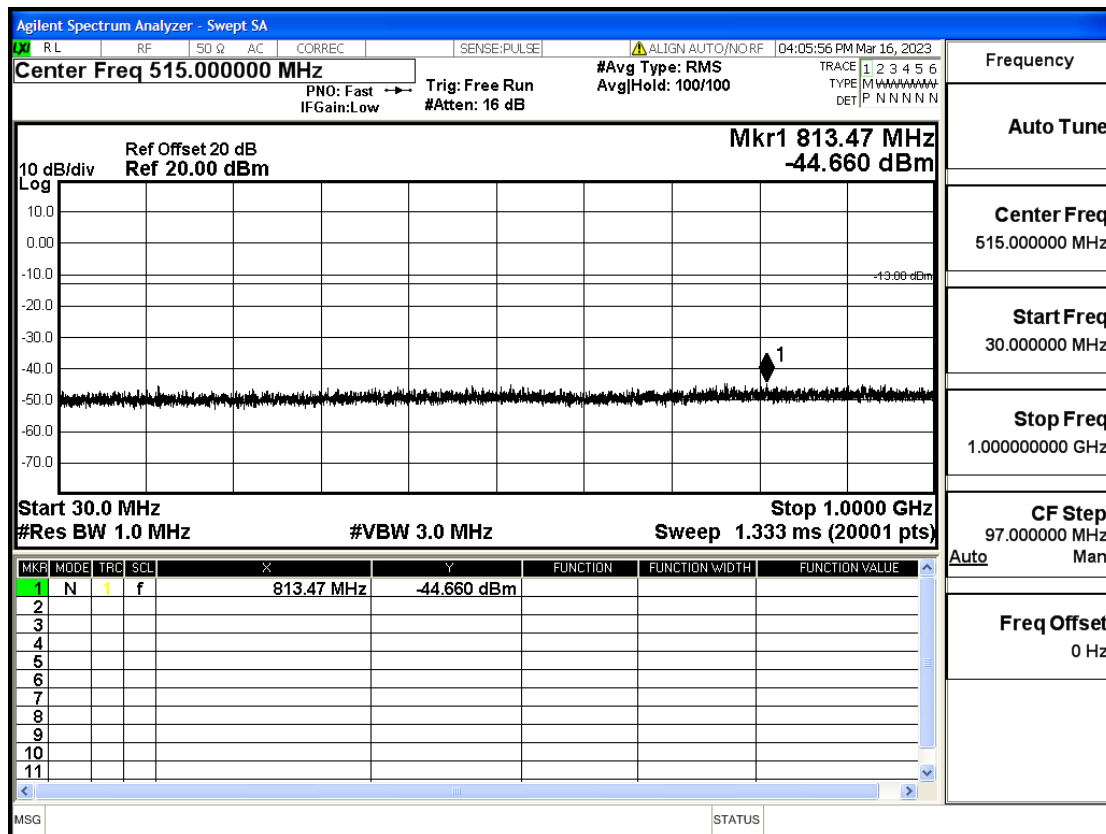
OB4-5-1712.5-Q16-25#LOW@7GHz-13.6GHz@Pass



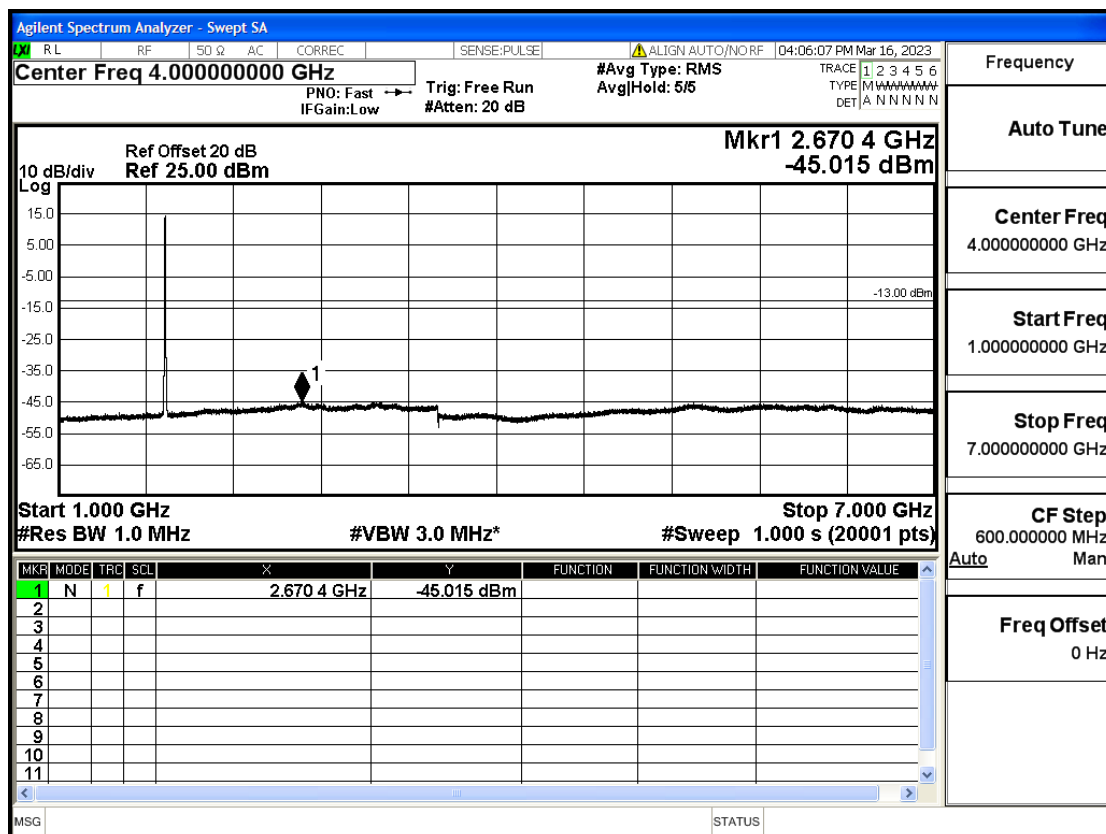
OB4-5-1712.5-Q16-25#LOW@13.6GHz-20GHz@Pass



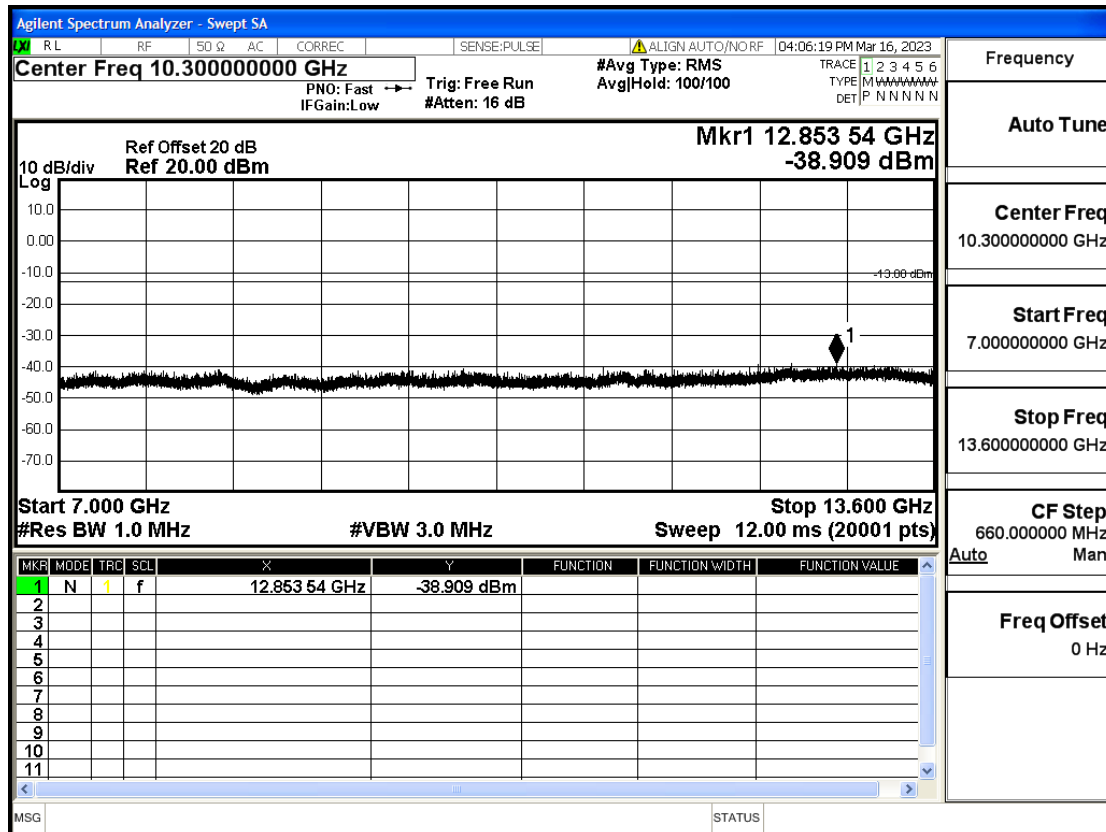
OB4-5-1732.5-Q16-25#LOW@30mHz-1GHz@Pass



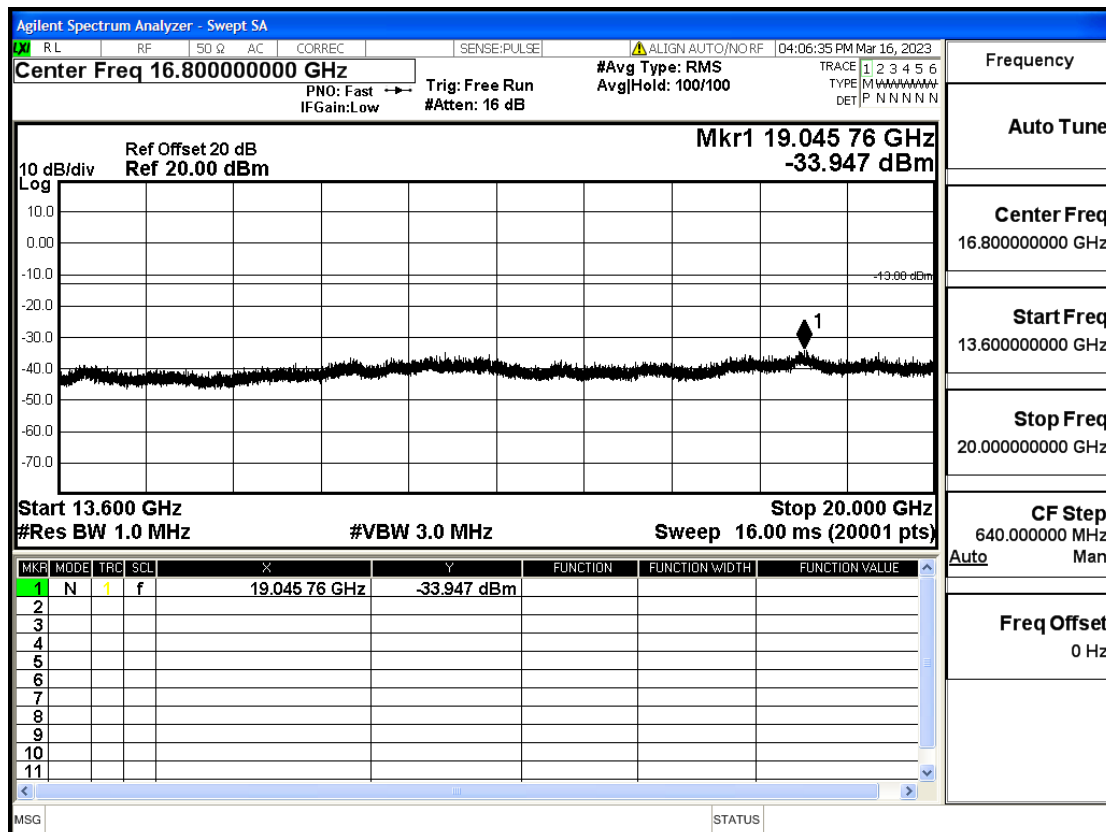
OB4-5-1732.5-Q16-25#LOW@1GHz-7GHz@Pass



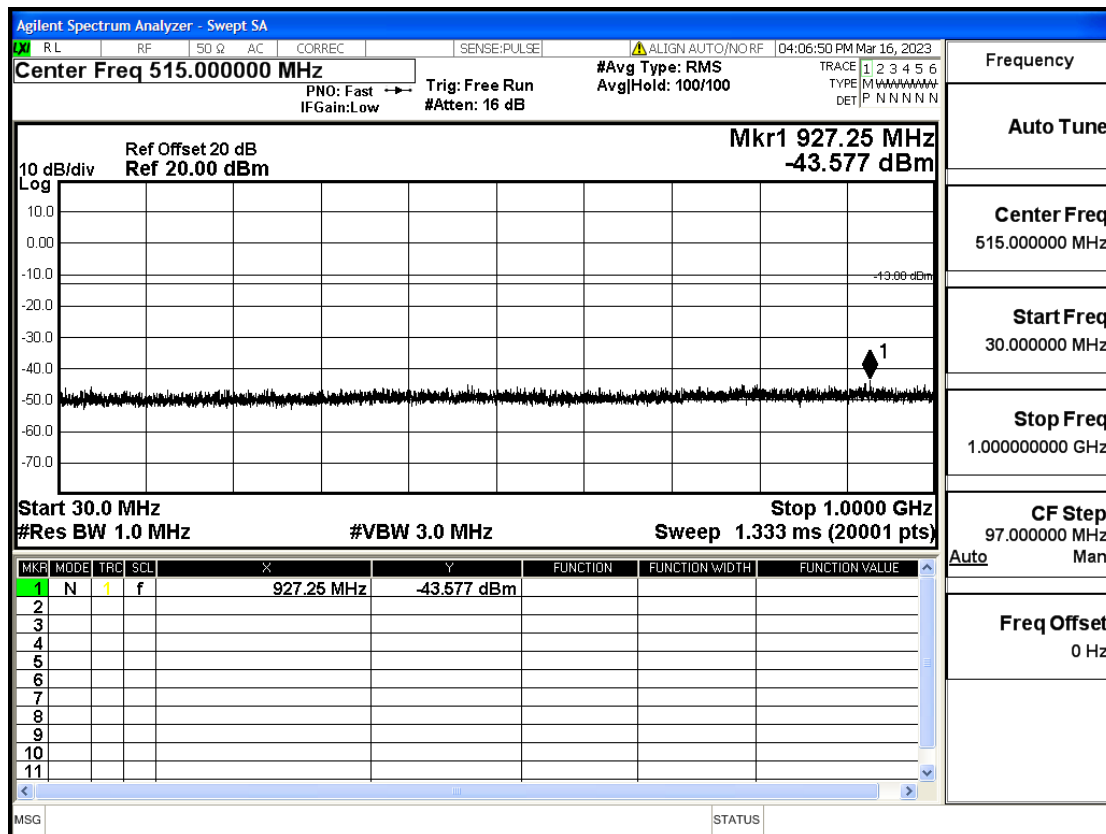
OB4-5-1732.5-Q16-25#LOW@7GHz-13.6GHz@Pass



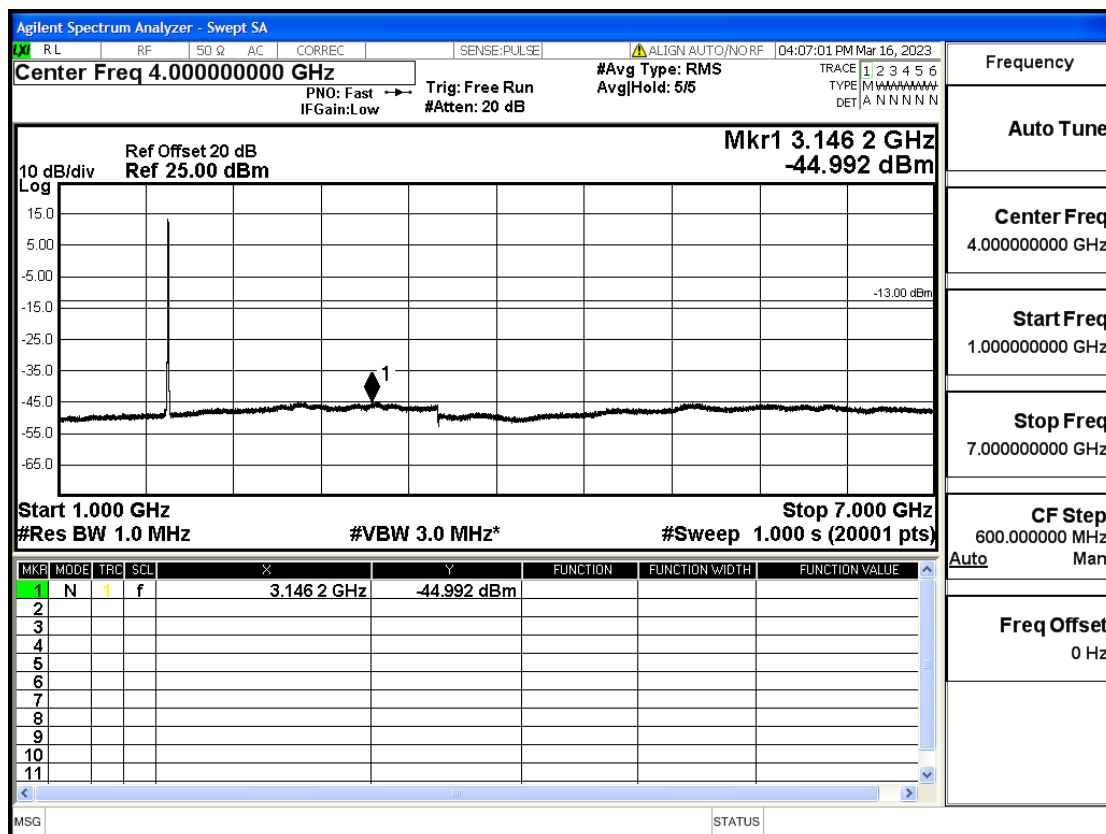
OB4-5-1732.5-Q16-25#LOW@13.6GHz-20GHz@Pass



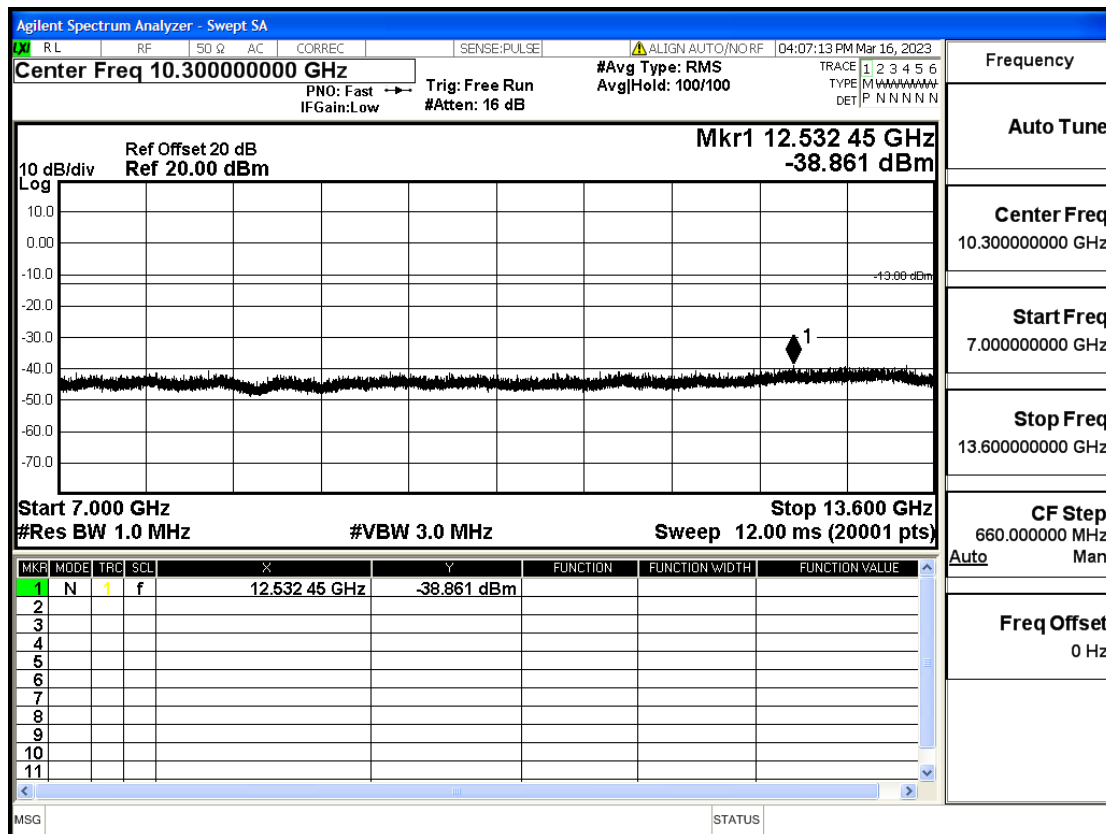
OB4-5-1752.5-Q16-25#LOW@30mHz-1GHz@Pass



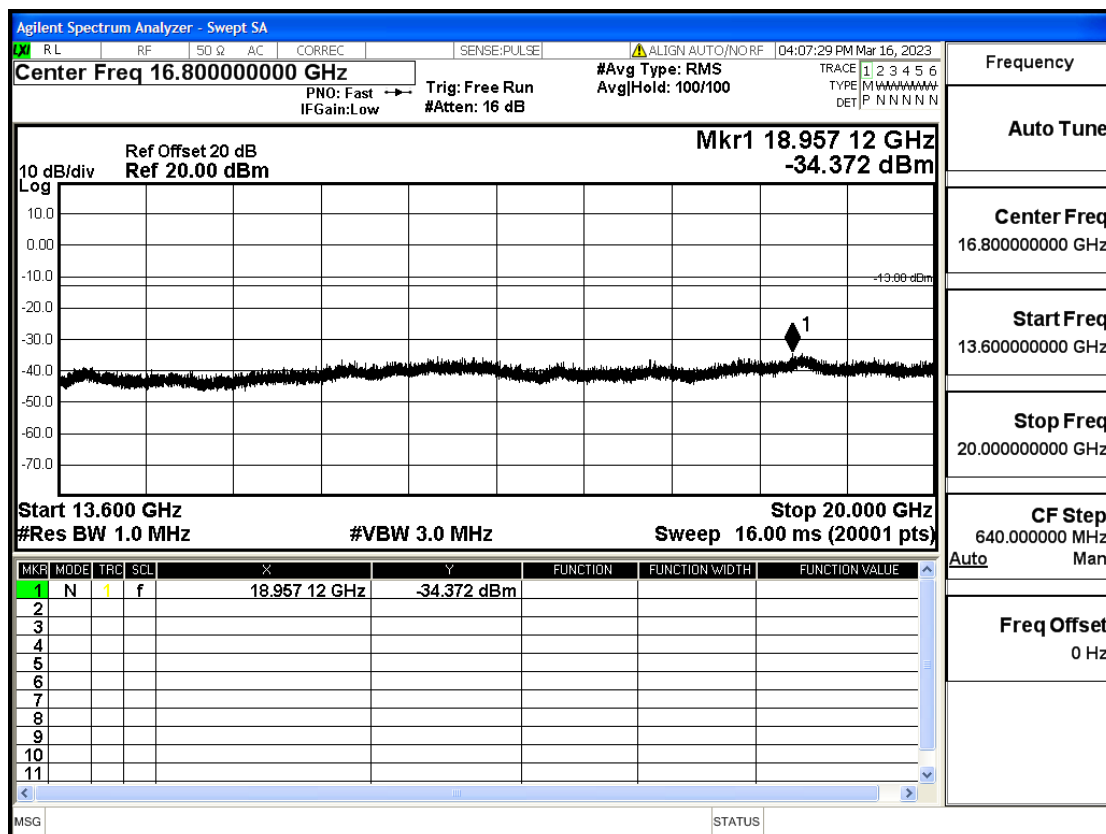
OB4-5-1752.5-Q16-25#LOW@1GHz-7GHz@Pass



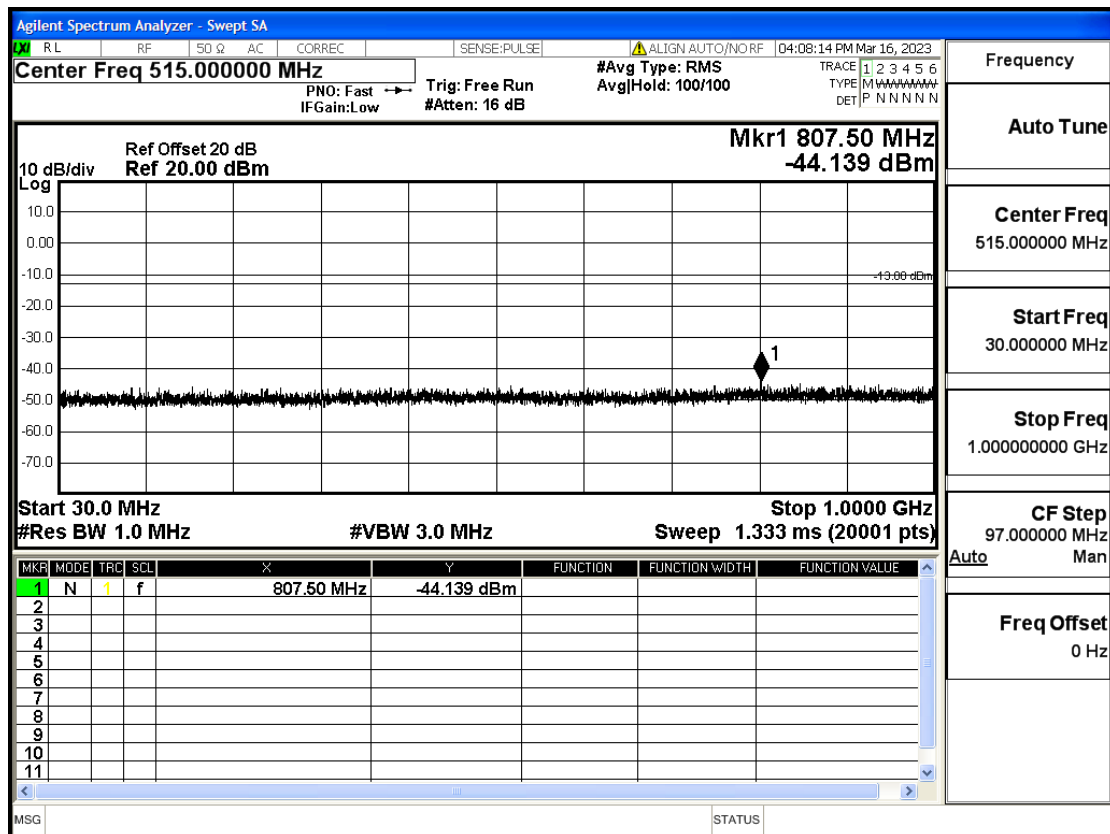
OB4-5-1752.5-Q16-25#LOW@7GHz-13.6GHz@Pass



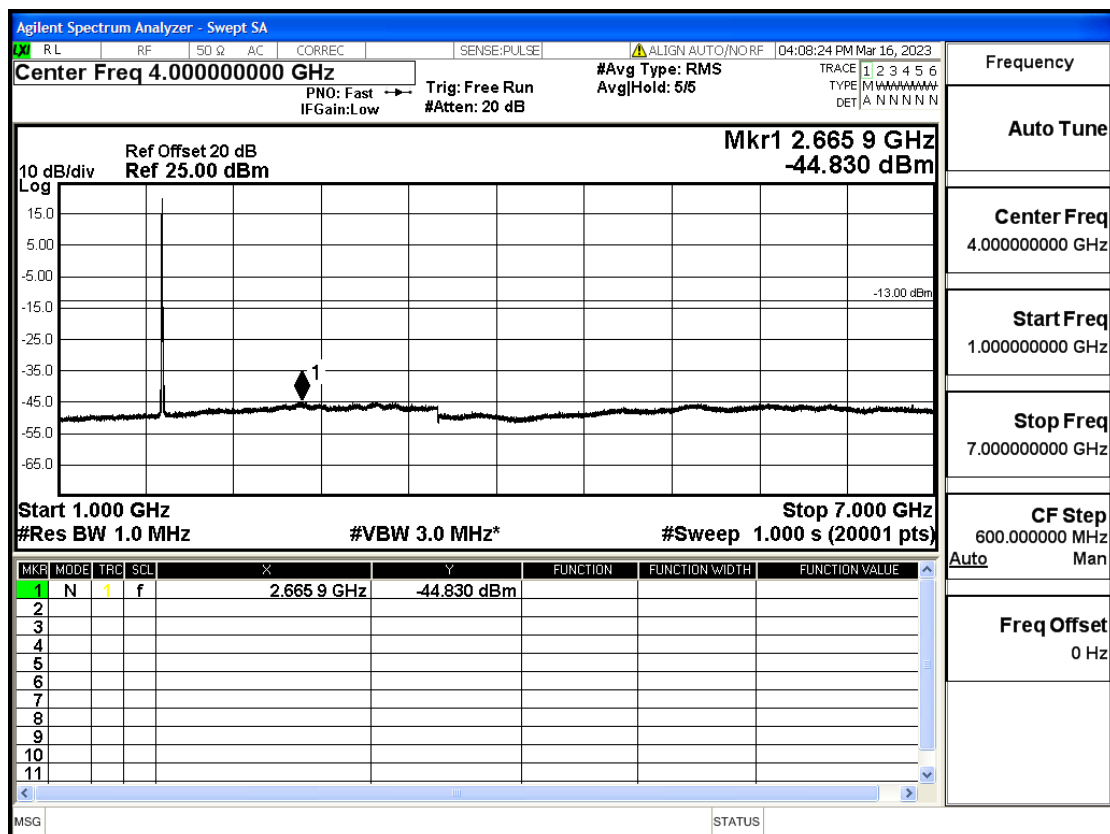
OB4-5-1752.5-Q16-25#LOW@13.6GHz-20GHz@Pass



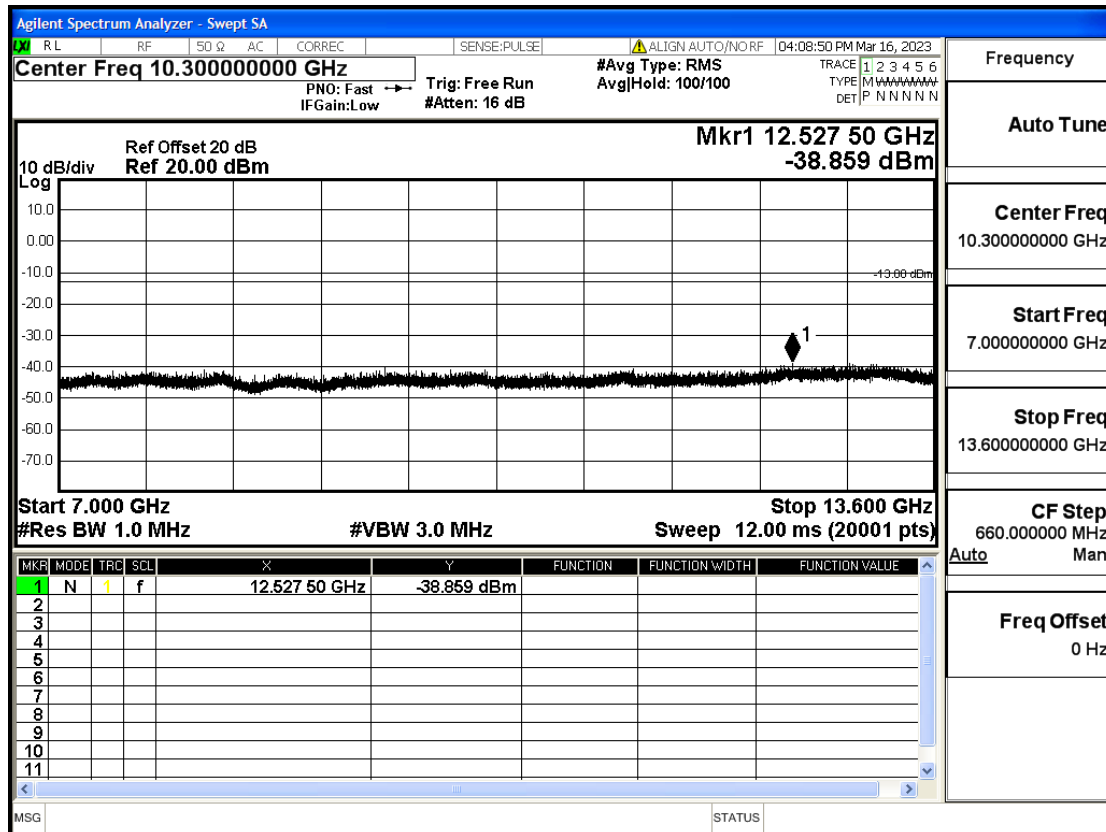
OB4-10-1715-Q16-50#LOW@30mHz-1GHz@Pass



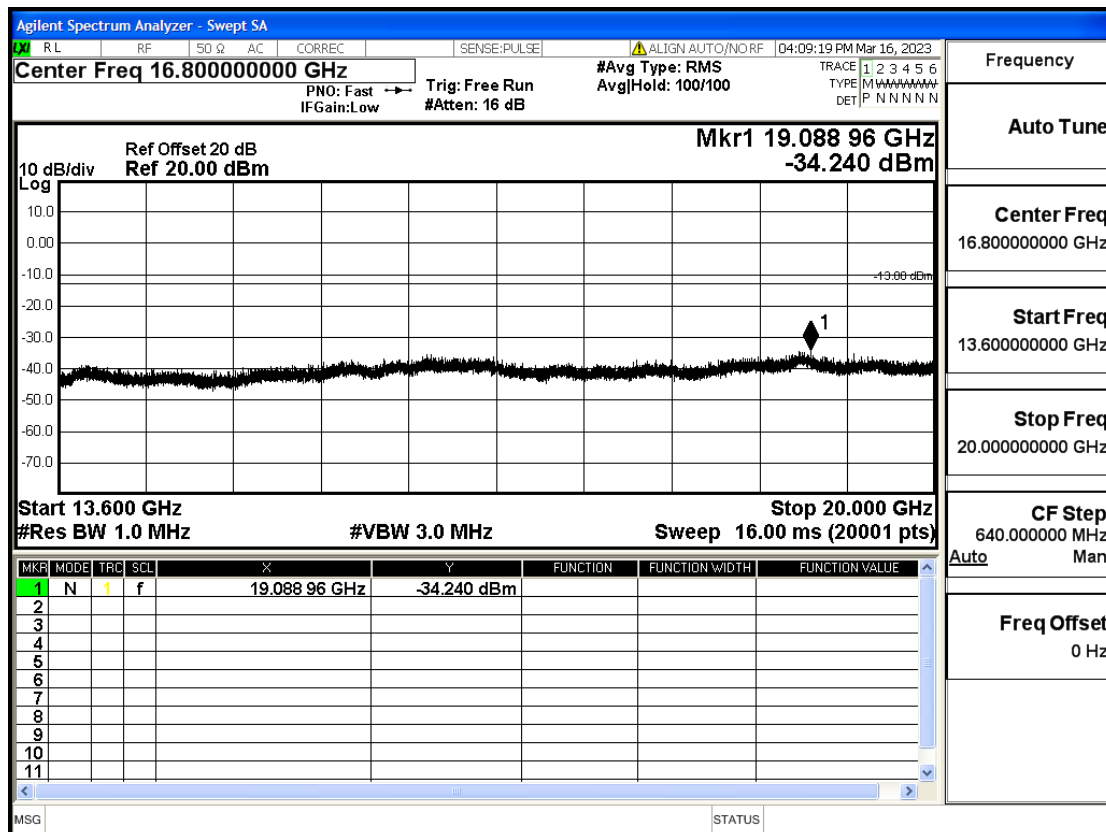
OB4-10-1715-Q16-50#LOW@1GHz-7GHz@Pass



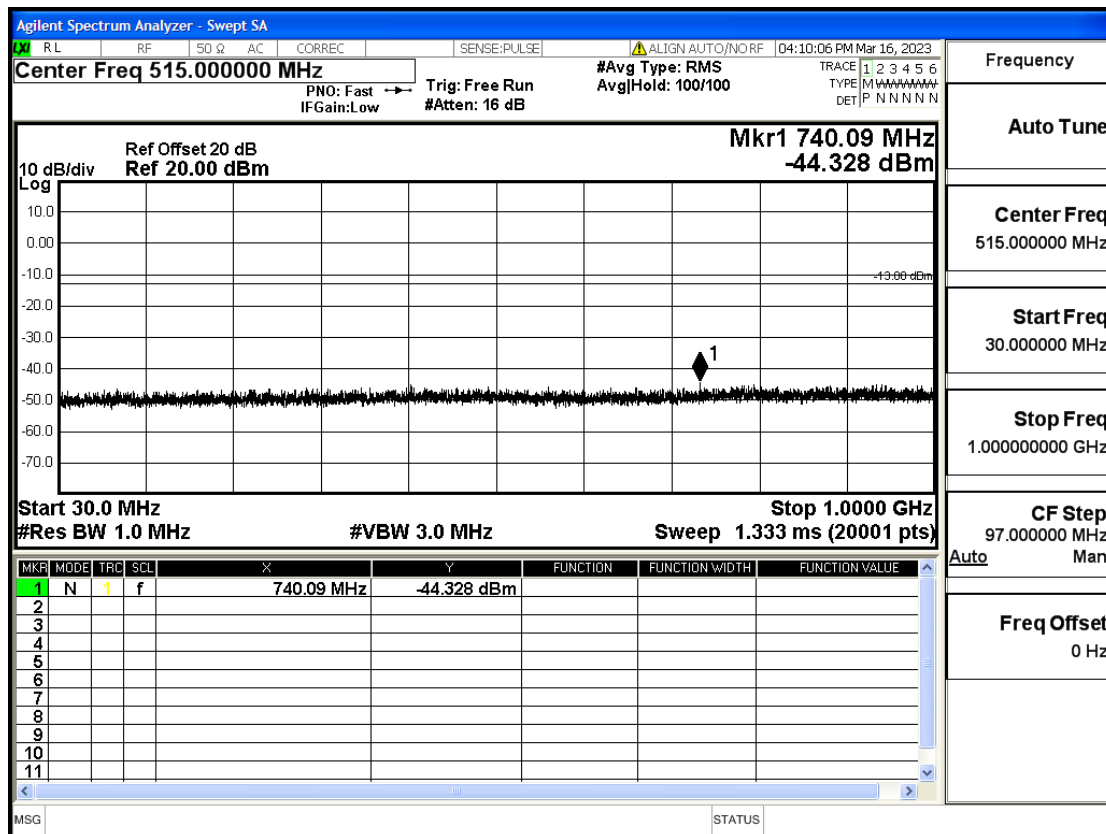
OB4-10-1715-Q16-50#LOW@7GHz-13.6GHz@Pass



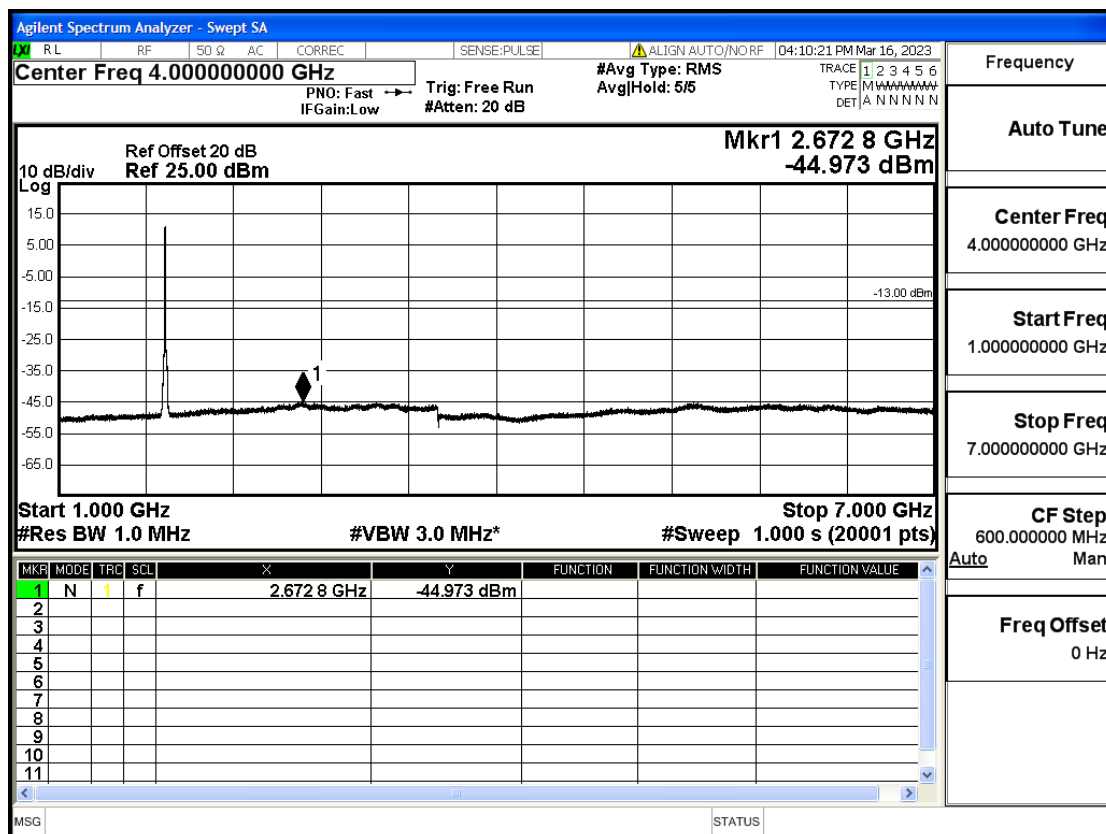
OB4-10-1715-Q16-50#LOW@13.6GHz-20GHz@Pass



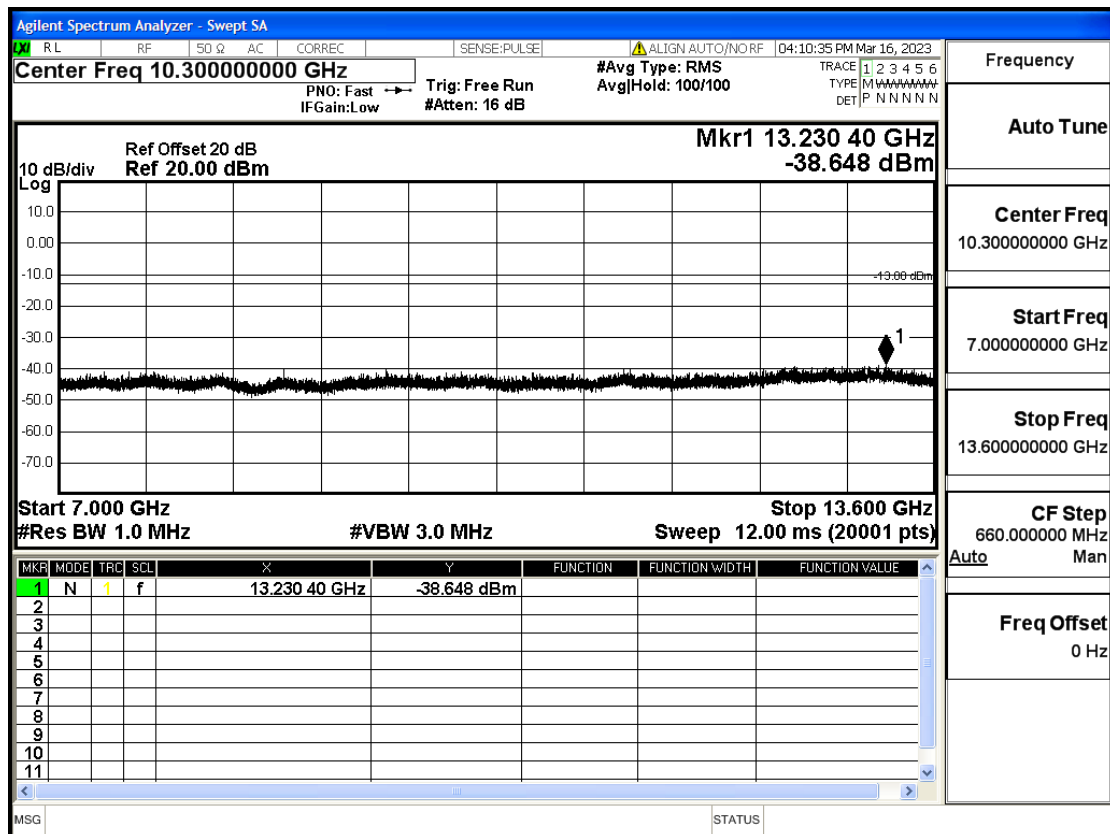
OB4-10-1732.5-Q16-50#LOW@30mHz-1GHz@Pass



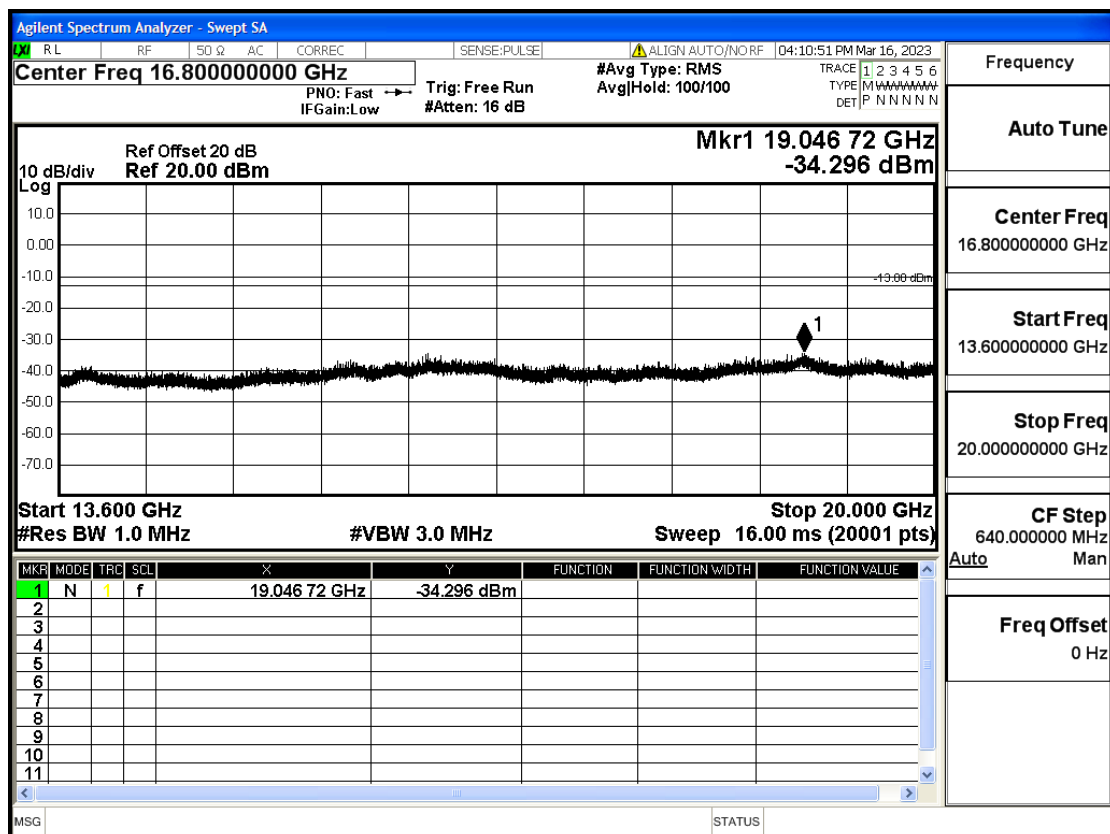
OB4-10-1732.5-Q16-50#LOW@1GHz-7GHz@Pass



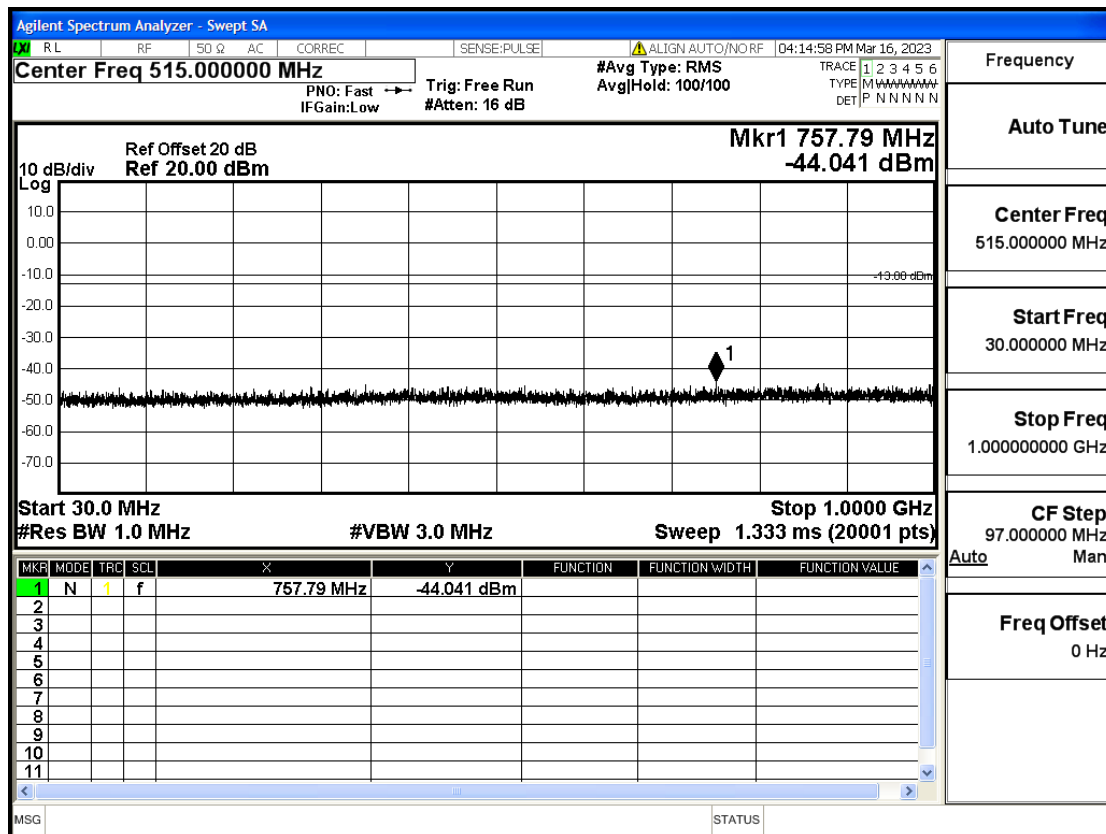
OB4-10-1732.5-Q16-50#LOW@7GHz-13.6GHz@Pass



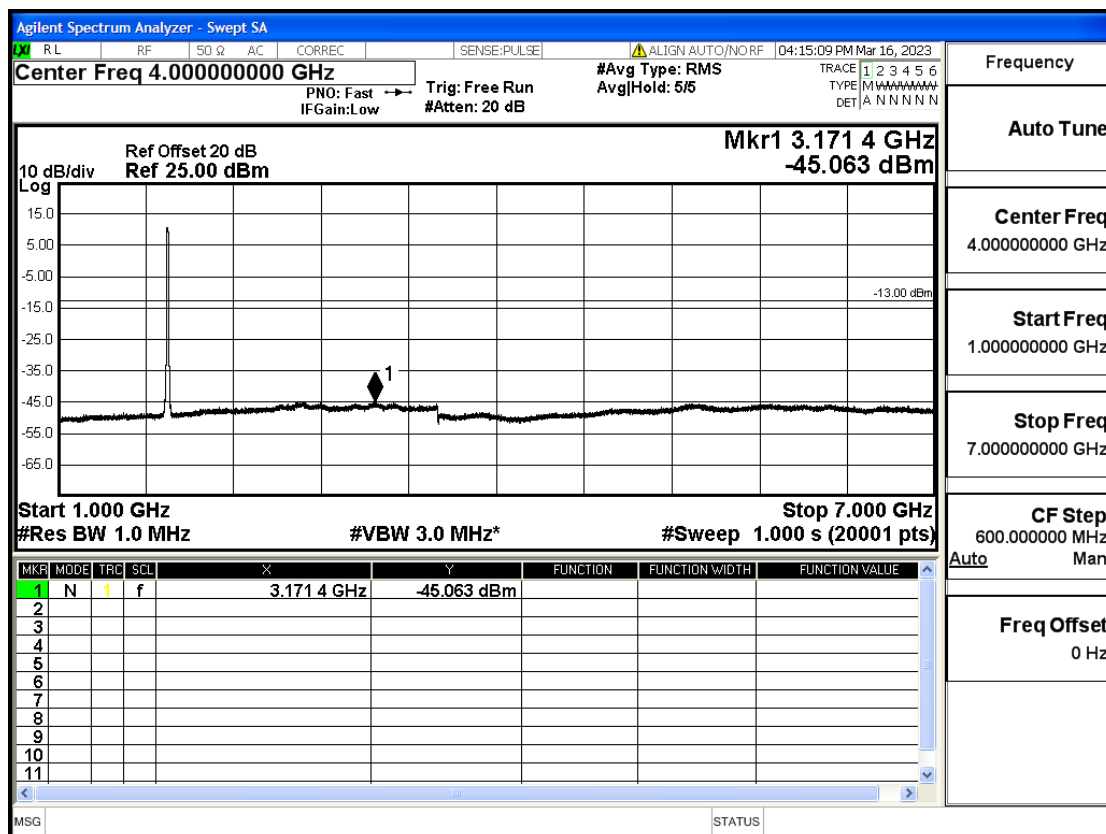
OB4-10-1732.5-Q16-50#LOW@13.6GHz-20GHz@Pass



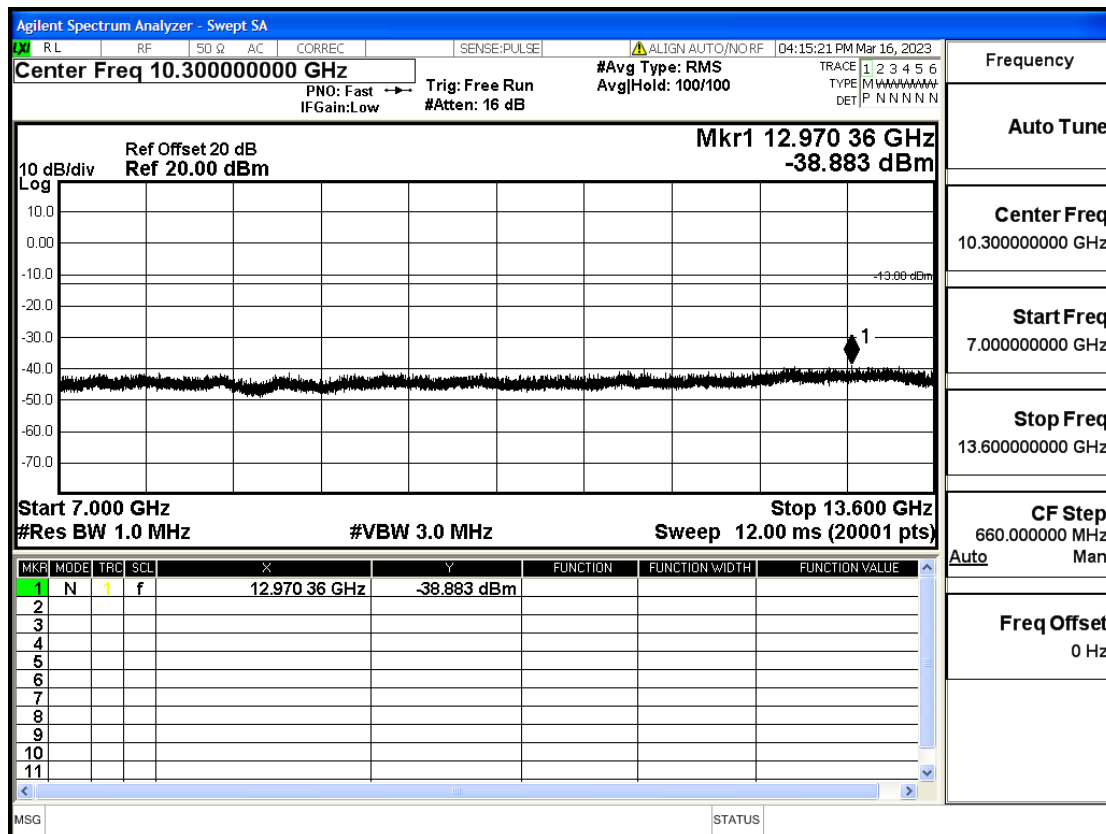
OB4-10-1750-Q16-50#LOW@30mHz-1GHz@Pass



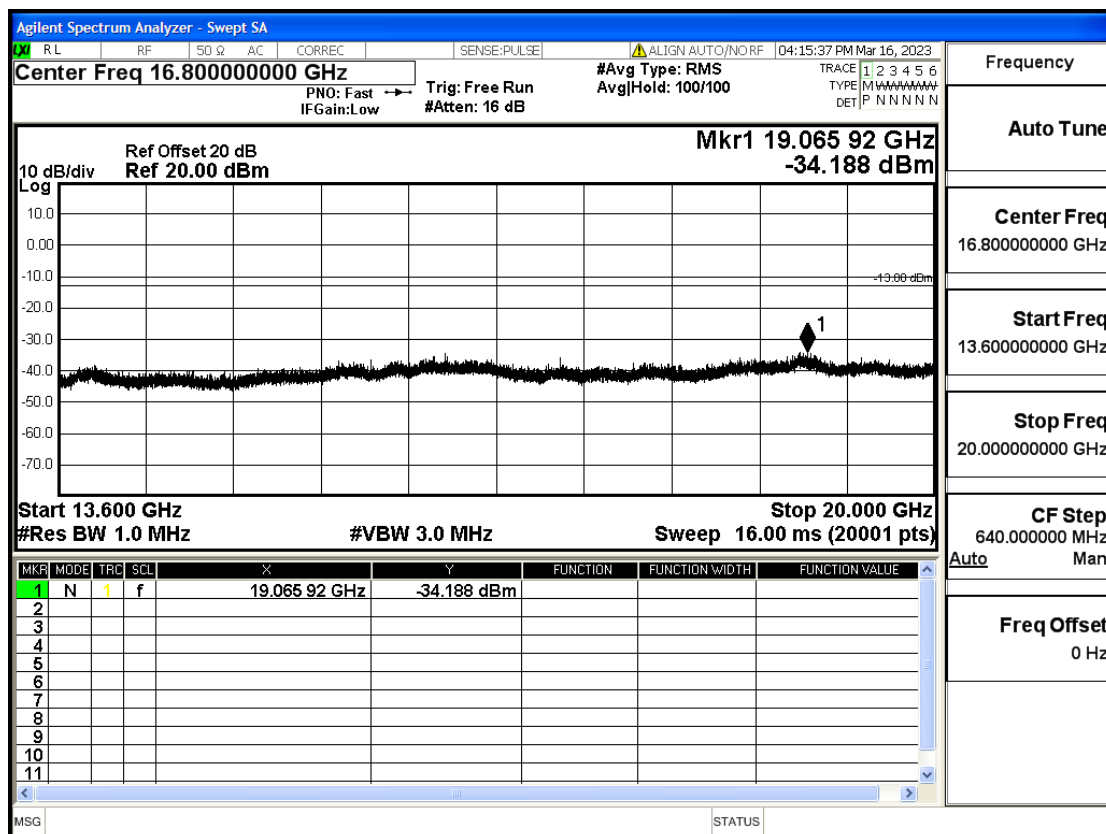
OB4-10-1750-Q16-50#LOW@1GHz-7GHz@Pass



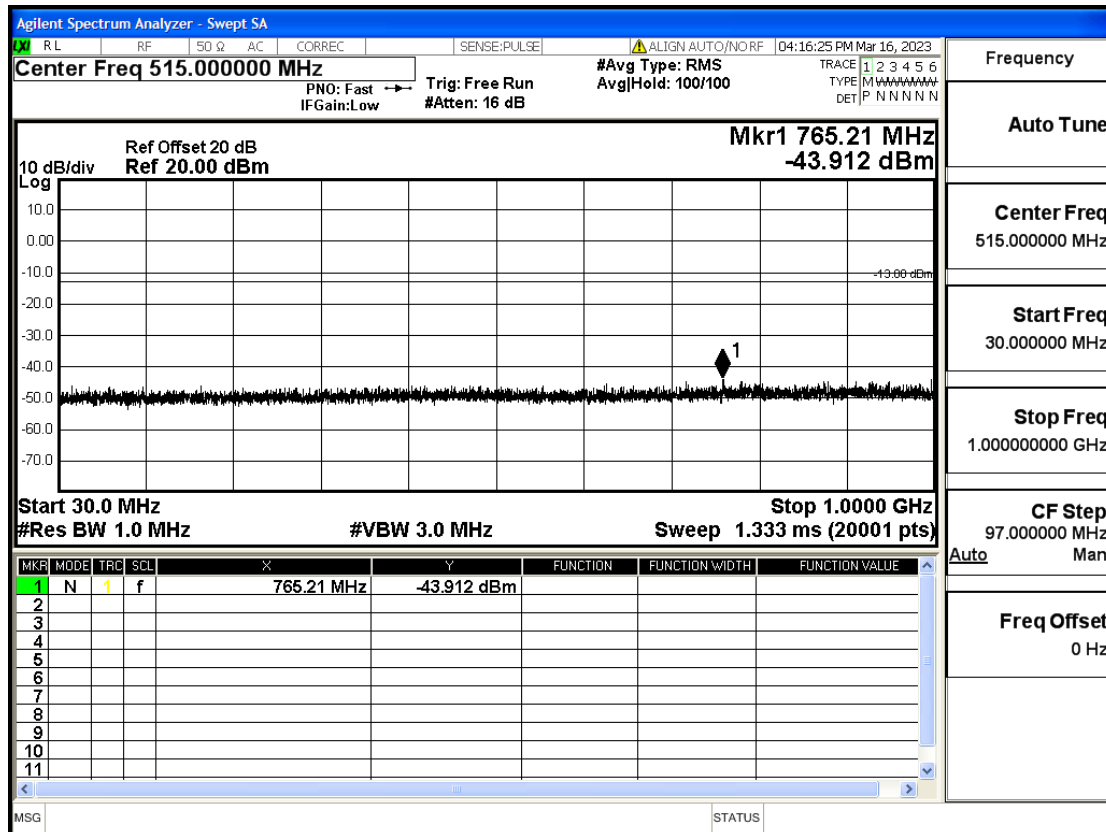
OB4-10-1750-Q16-50#LOW@7GHz-13.6GHz@Pass



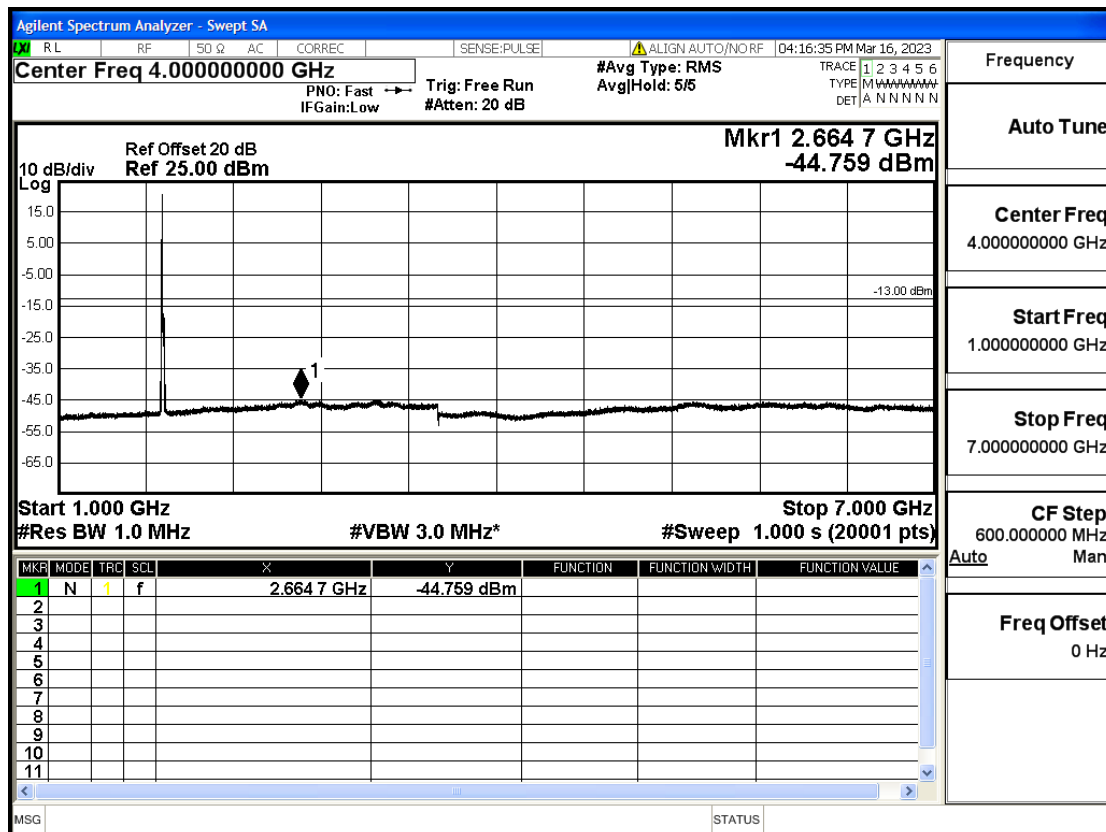
OB4-10-1750-Q16-50#LOW@13.6GHz-20GHz@Pass



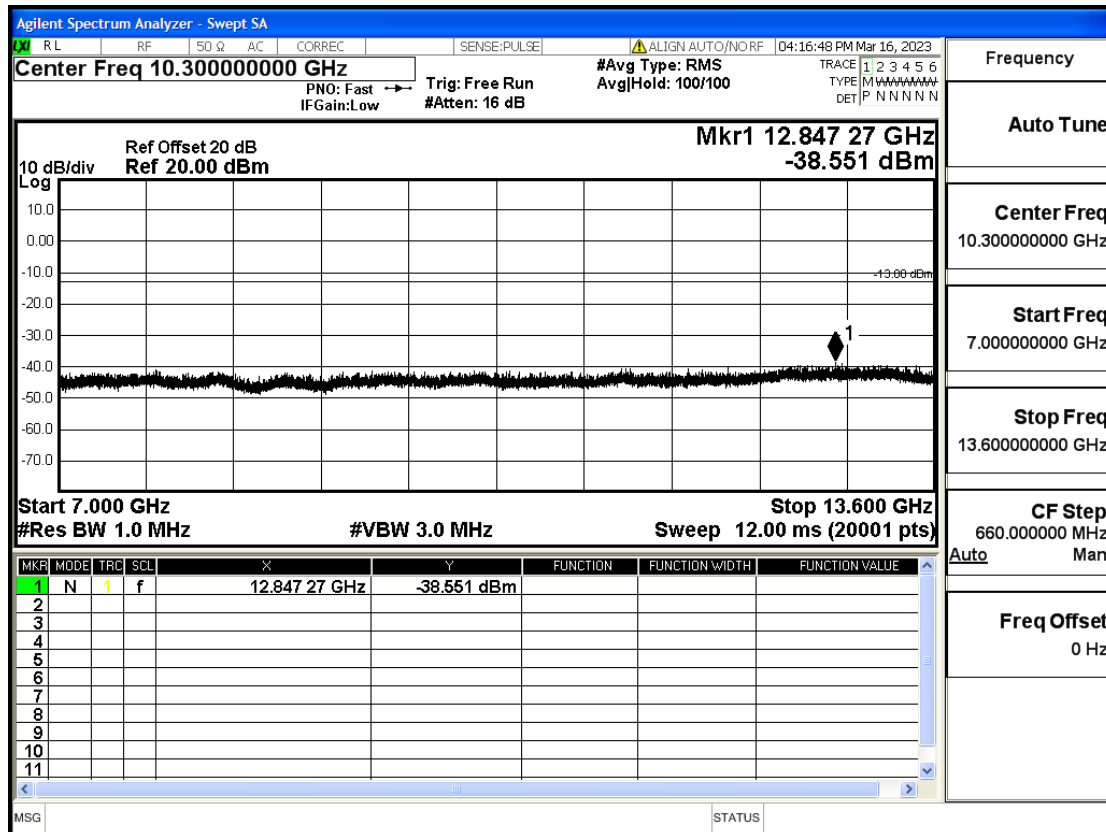
OB4-15-1717.5-Q16-75#LOW@30mHz-1GHz@Pass



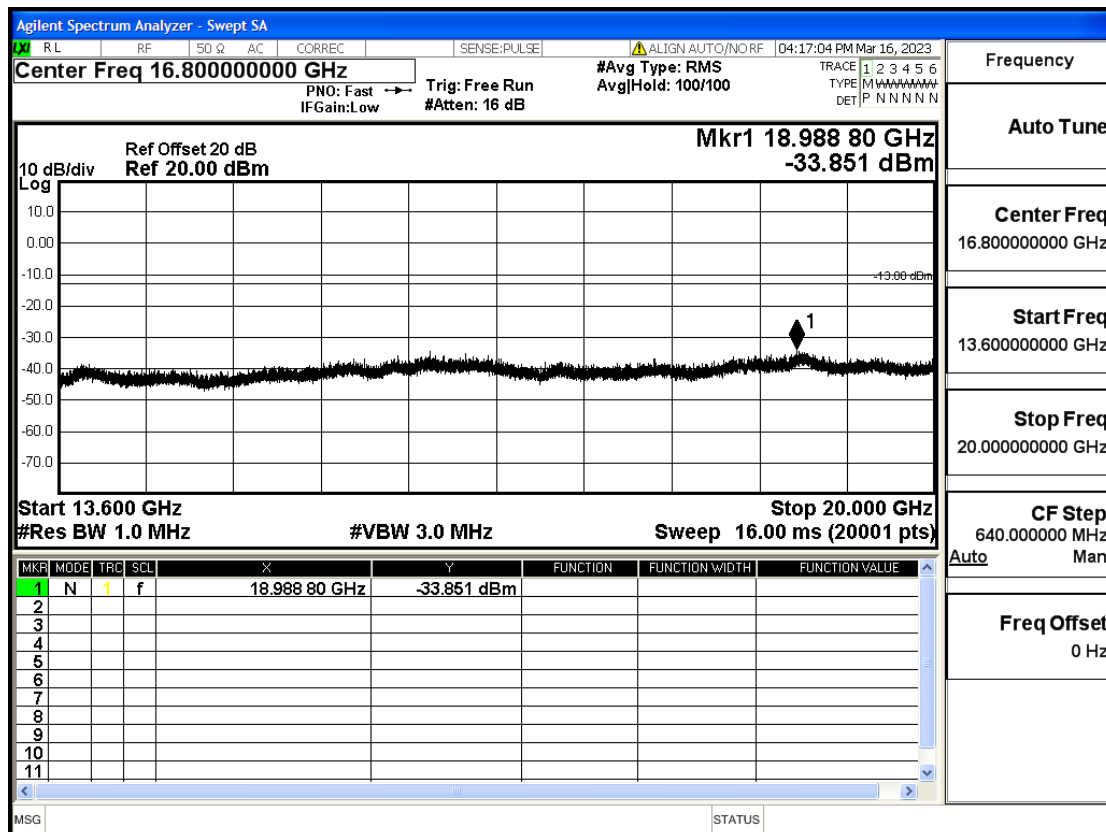
OB4-15-1717.5-Q16-75#LOW@1GHz-7GHz@Pass



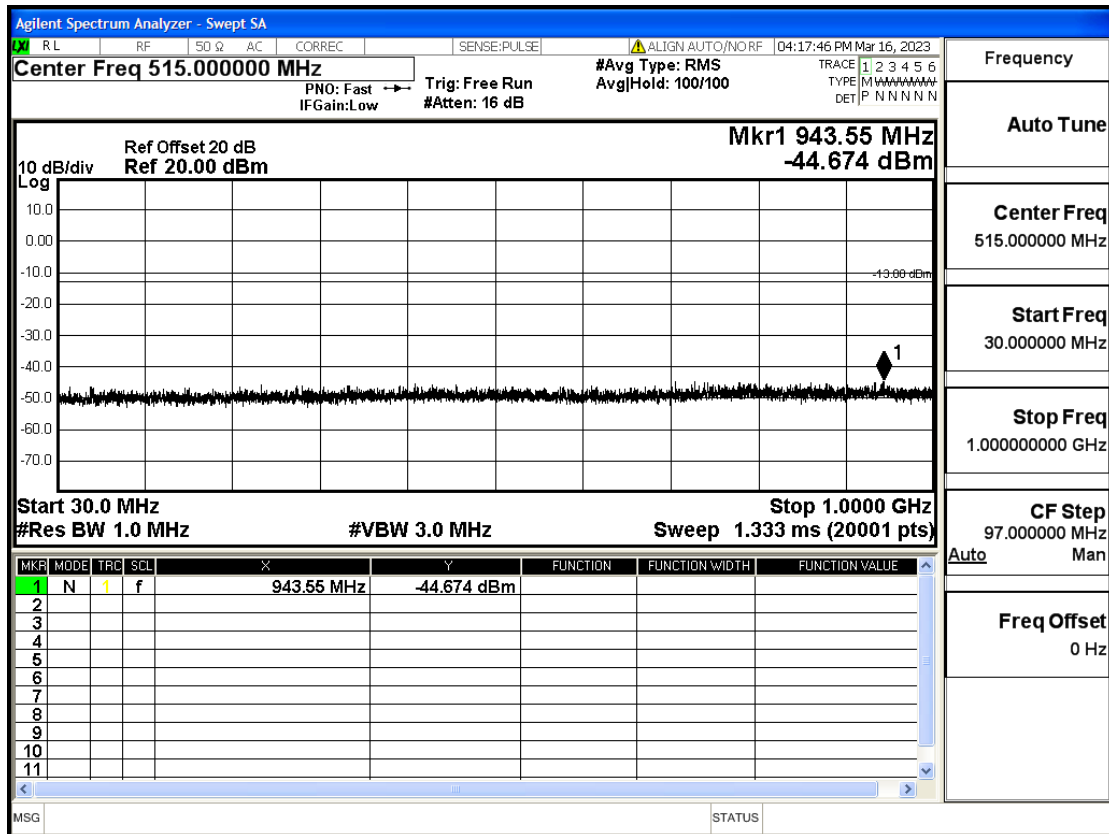
OB4-15-1717.5-Q16-75#LOW@7GHz-13.6GHz@Pass



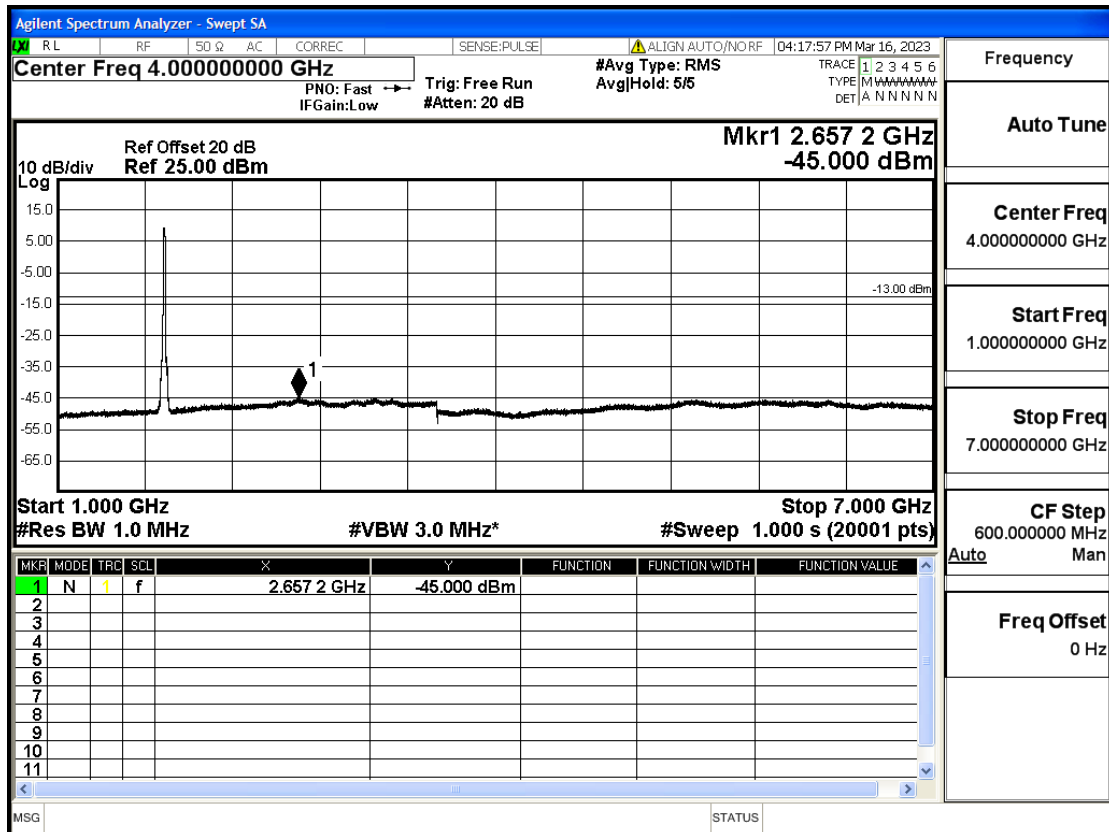
OB4-15-1717.5-Q16-75#LOW@13.6GHz-20GHz@Pass



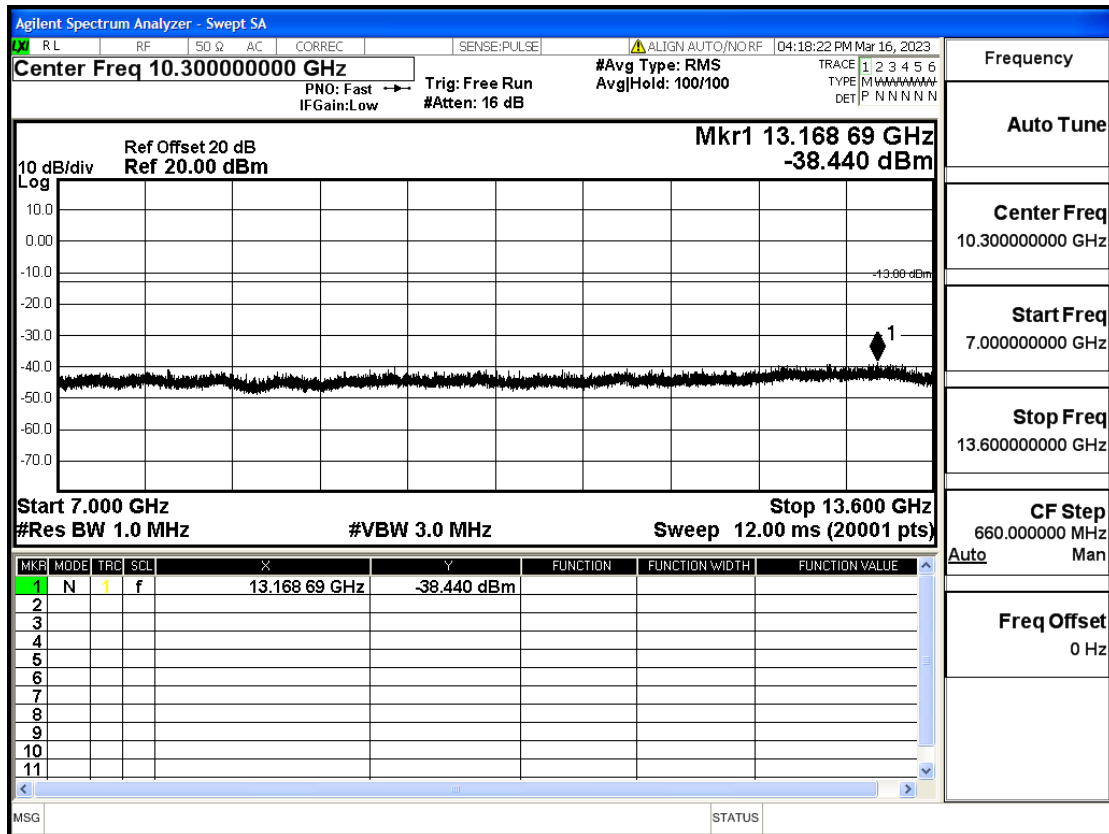
OB4-15-1732.5-Q16-75#LOW@30mHz-1GHz@Pass



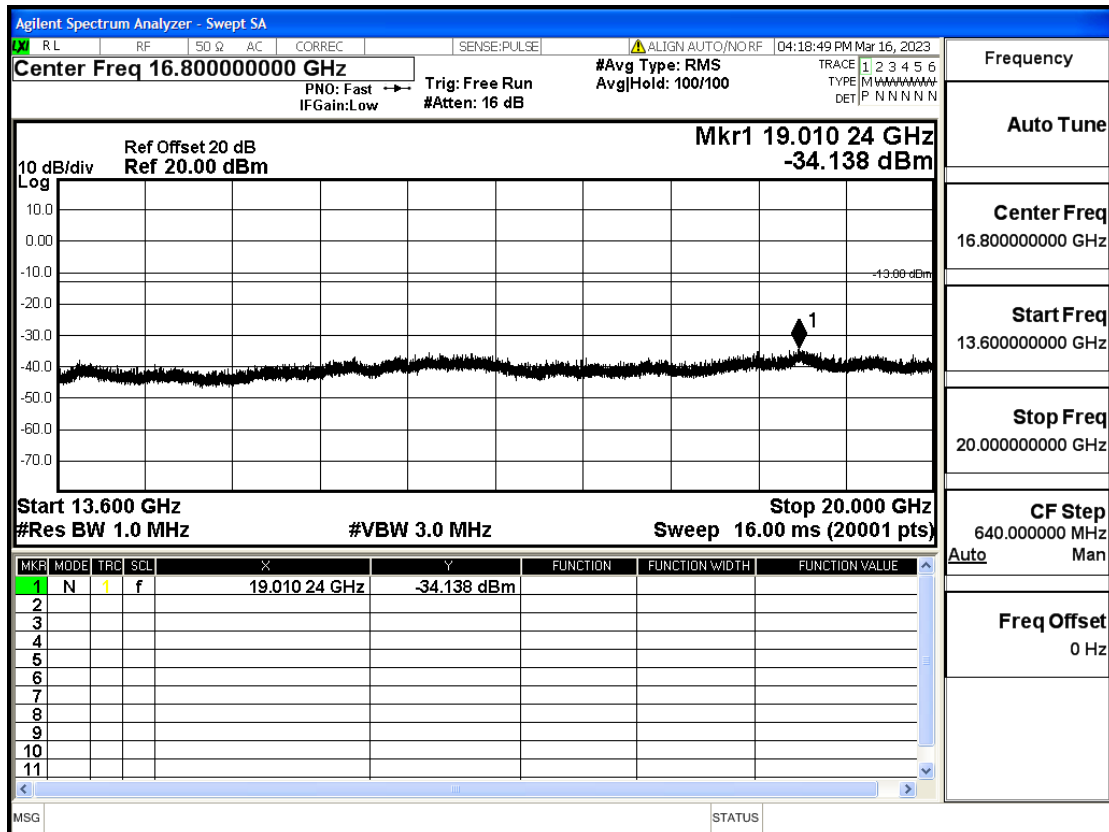
OB4-15-1732.5-Q16-75#LOW@1GHz-7GHz@Pass



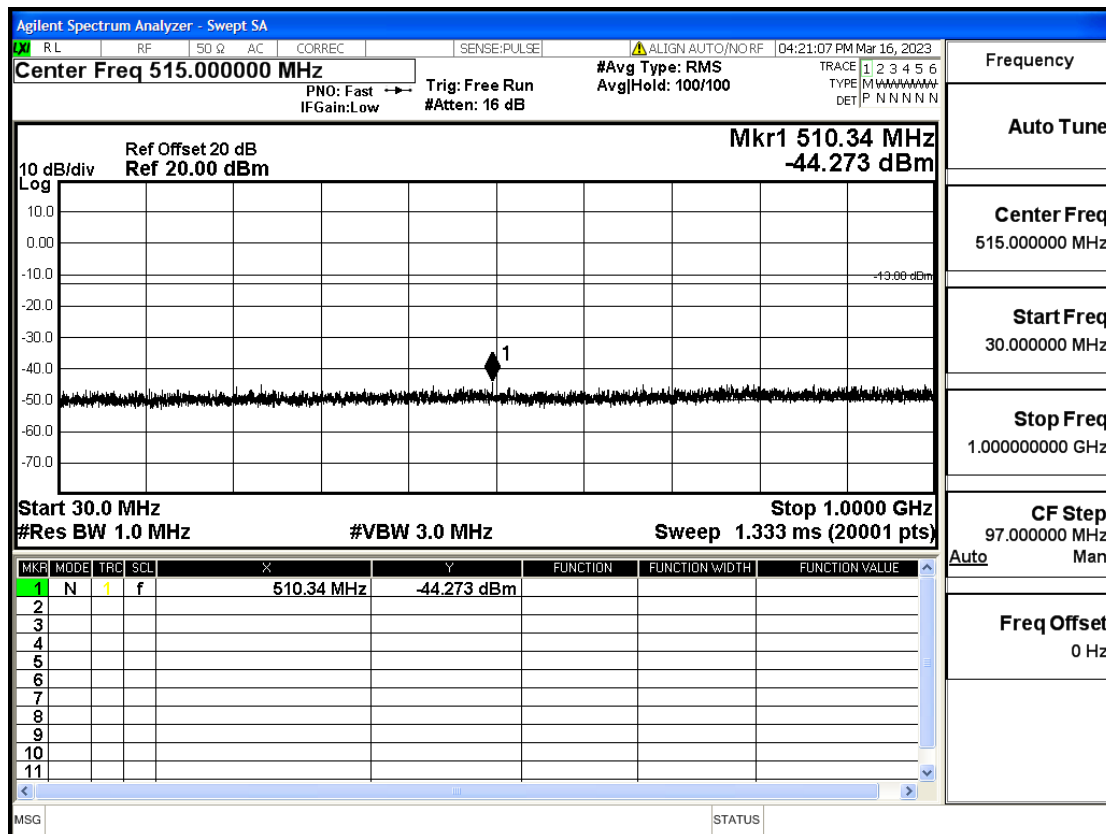
OB4-15-1732.5-Q16-75#LOW@7GHz-13.6GHz@Pass



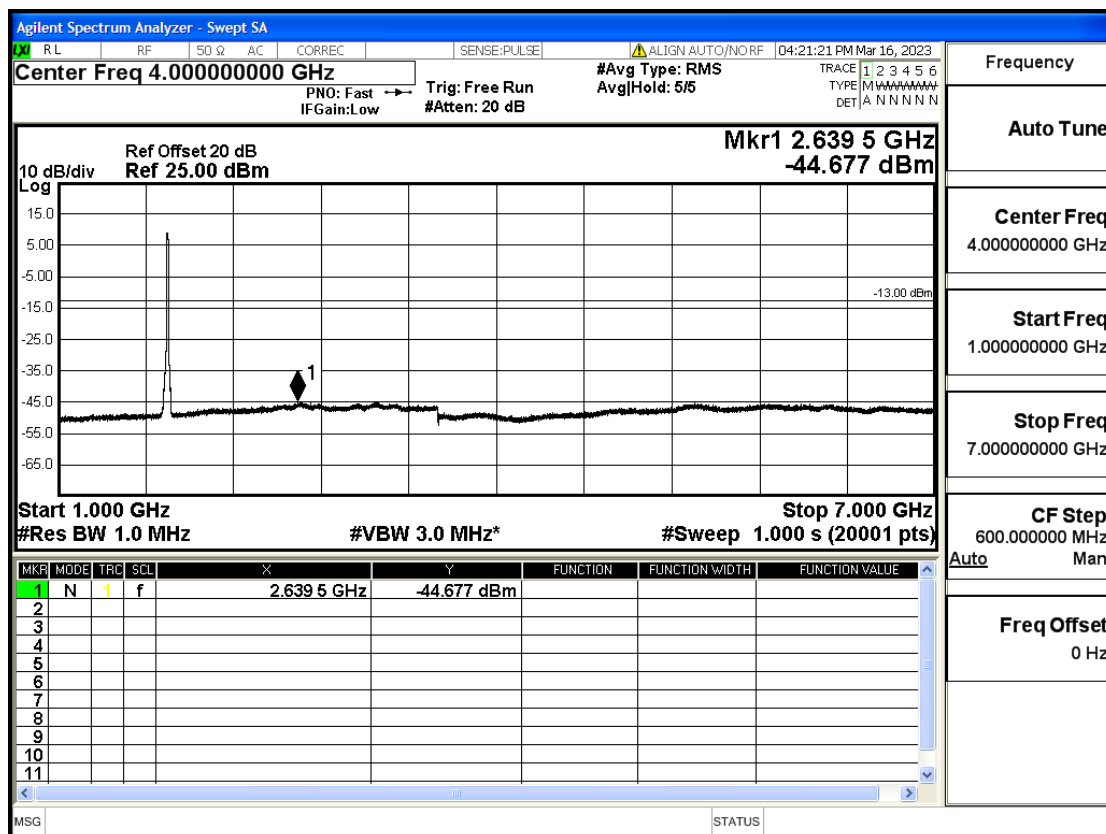
OB4-15-1732.5-Q16-75#LOW@13.6GHz-20GHz@Pass



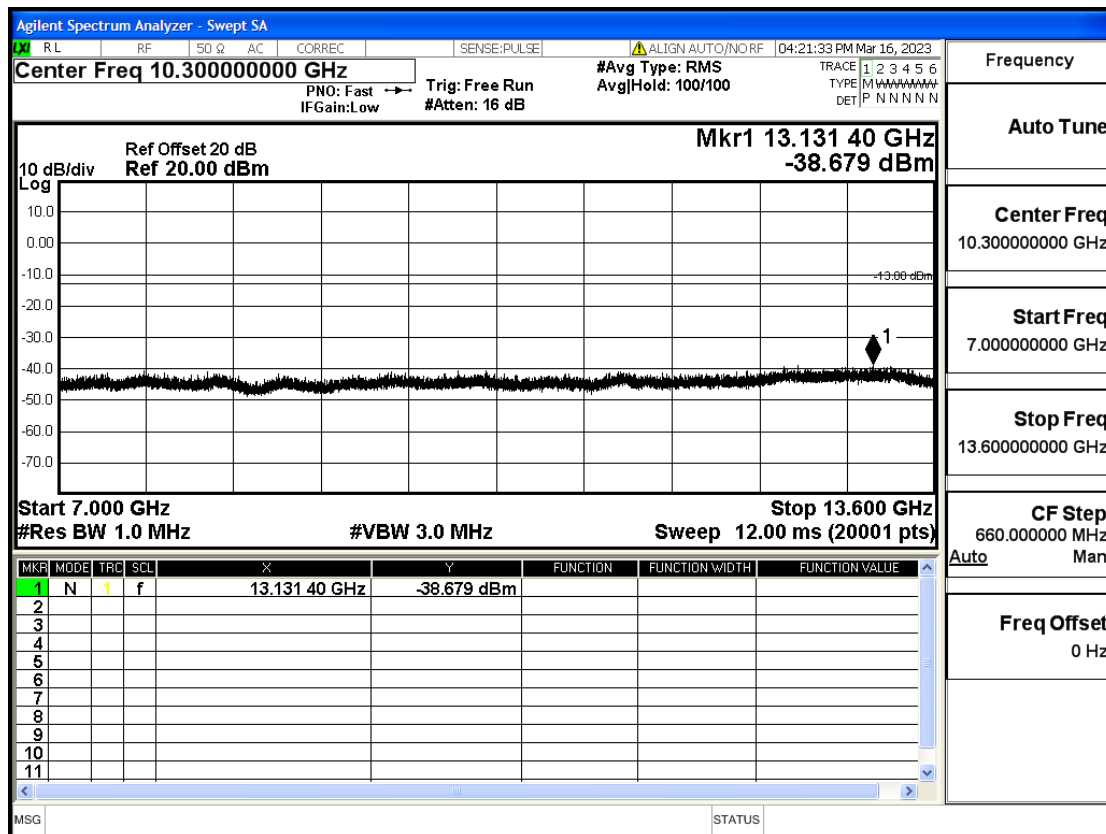
OB4-15-1747.5-Q16-75#LOW@30mHz-1GHz@Pass



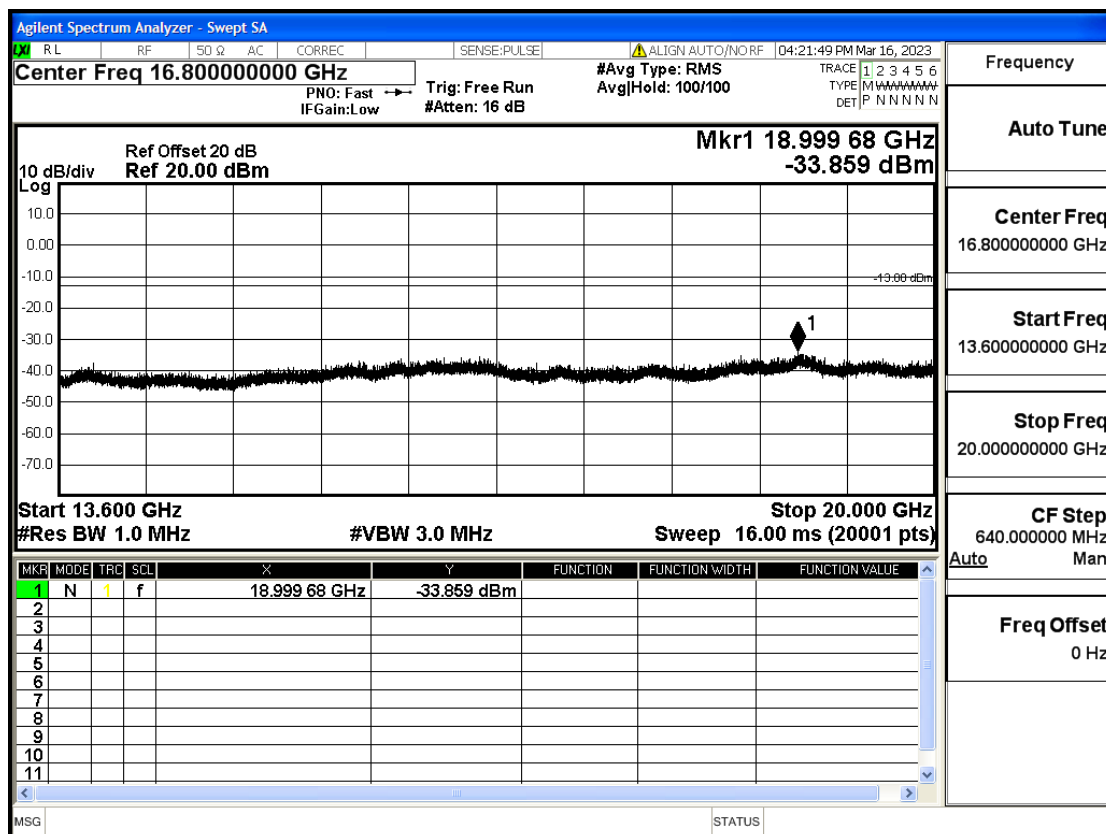
OB4-15-1747.5-Q16-75#LOW@1GHz-7GHz@Pass



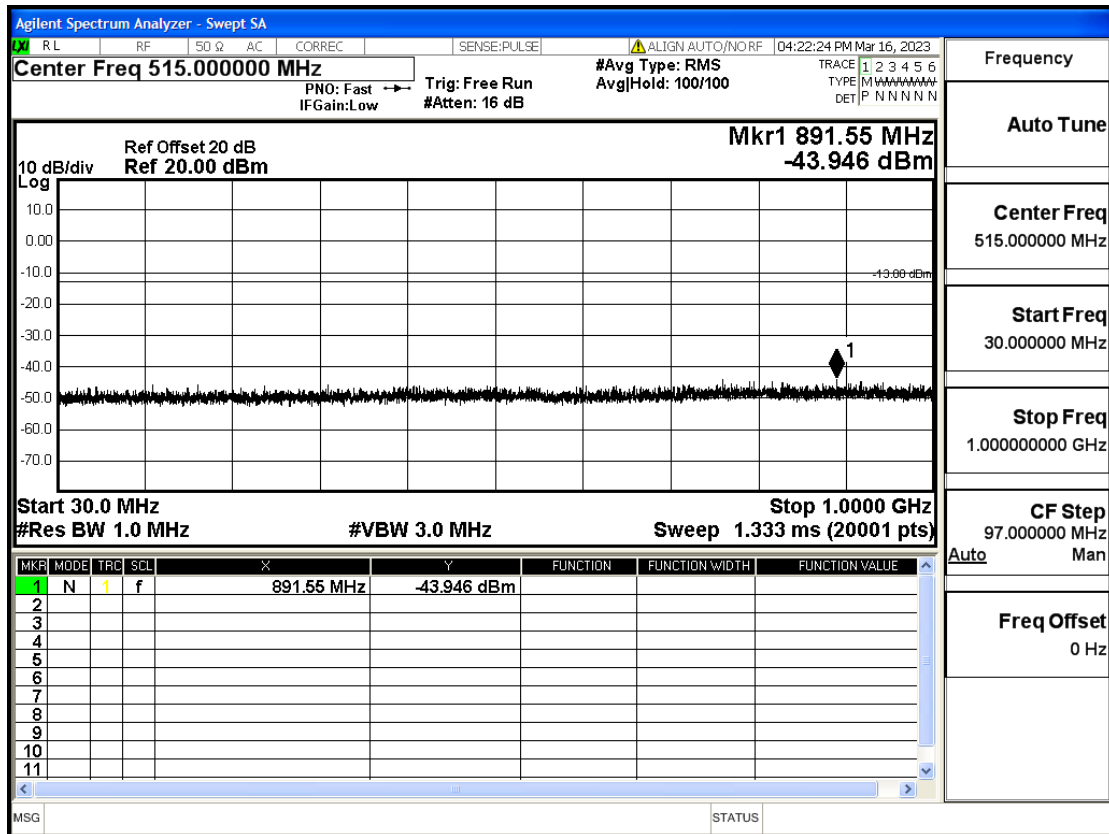
OB4-15-1747.5-Q16-75#LOW@7GHz-13.6GHz@Pass



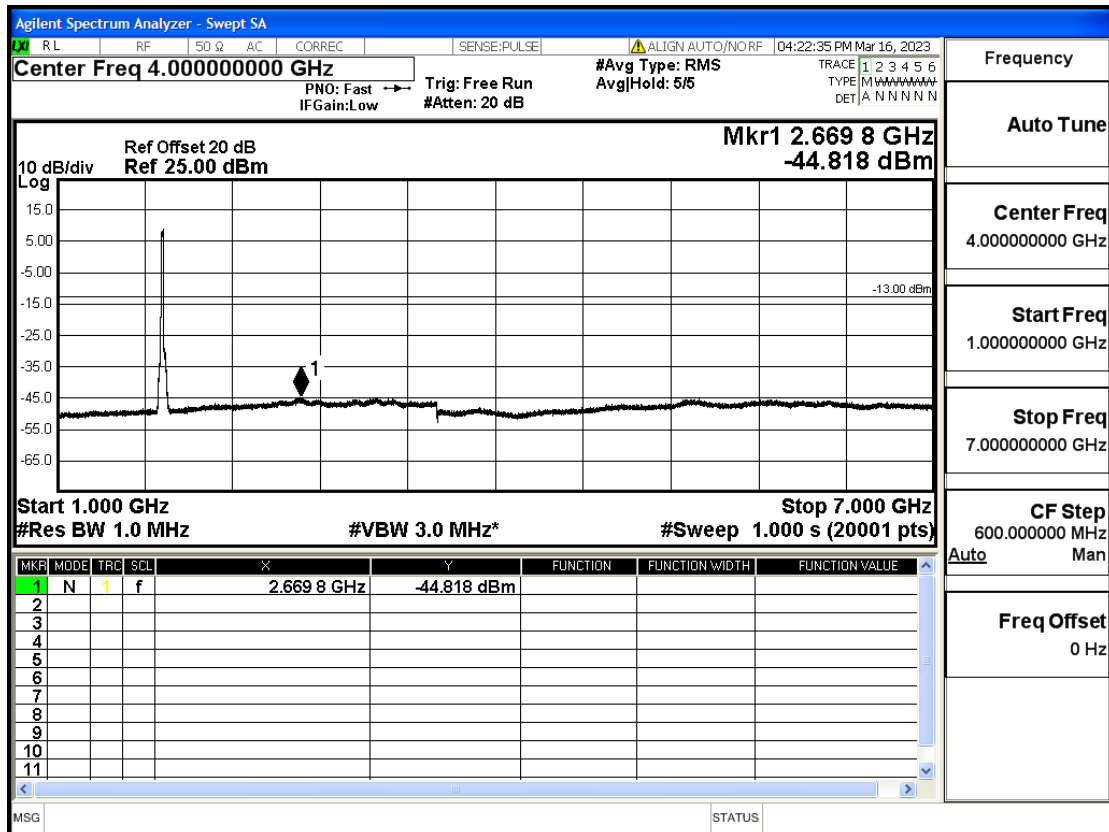
OB4-15-1747.5-Q16-75#LOW@13.6GHz-20GHz@Pass



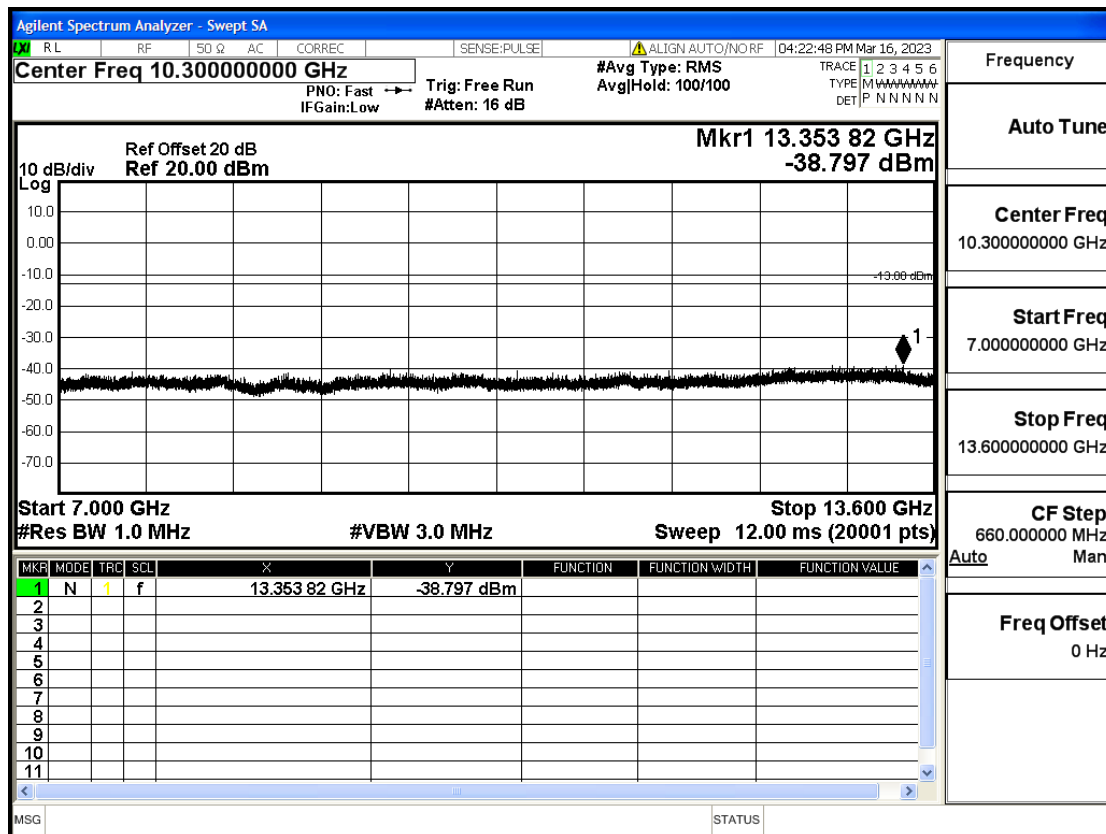
OB4-20-1720-Q16-100#LOW@30mHz-1GHz@Pass



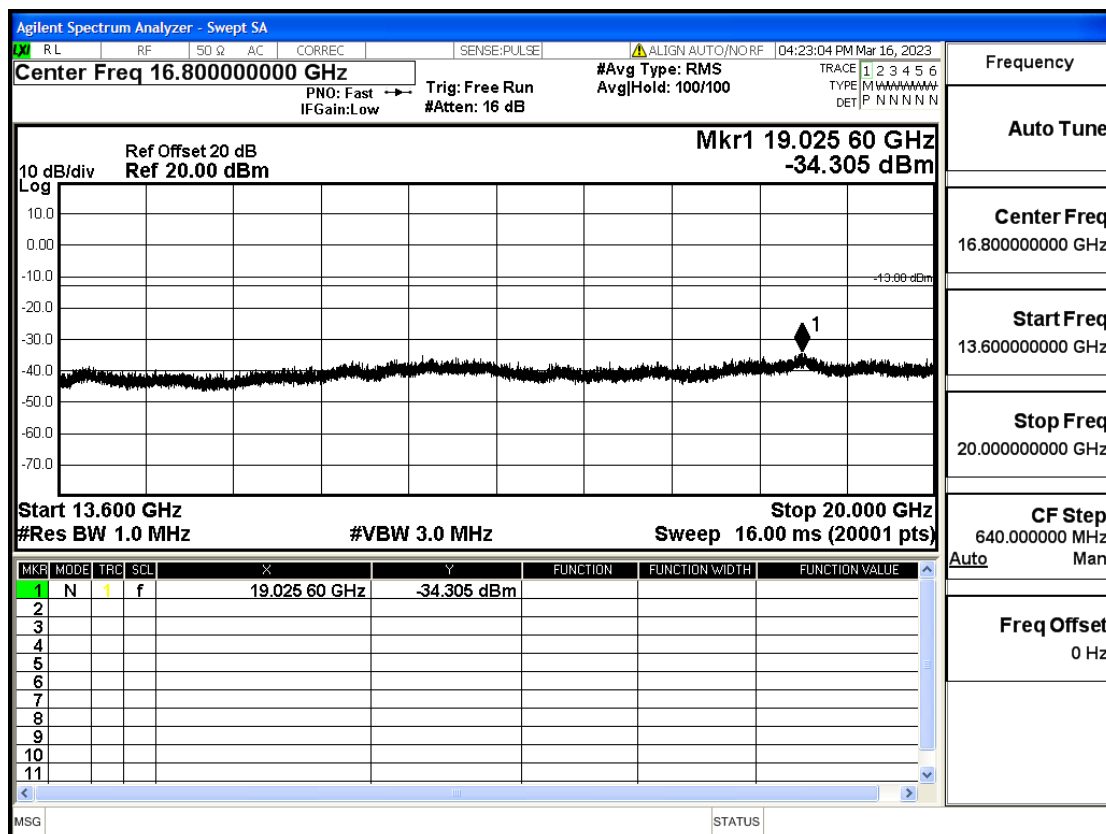
OB4-20-1720-Q16-100#LOW@1GHz-7GHz@Pass



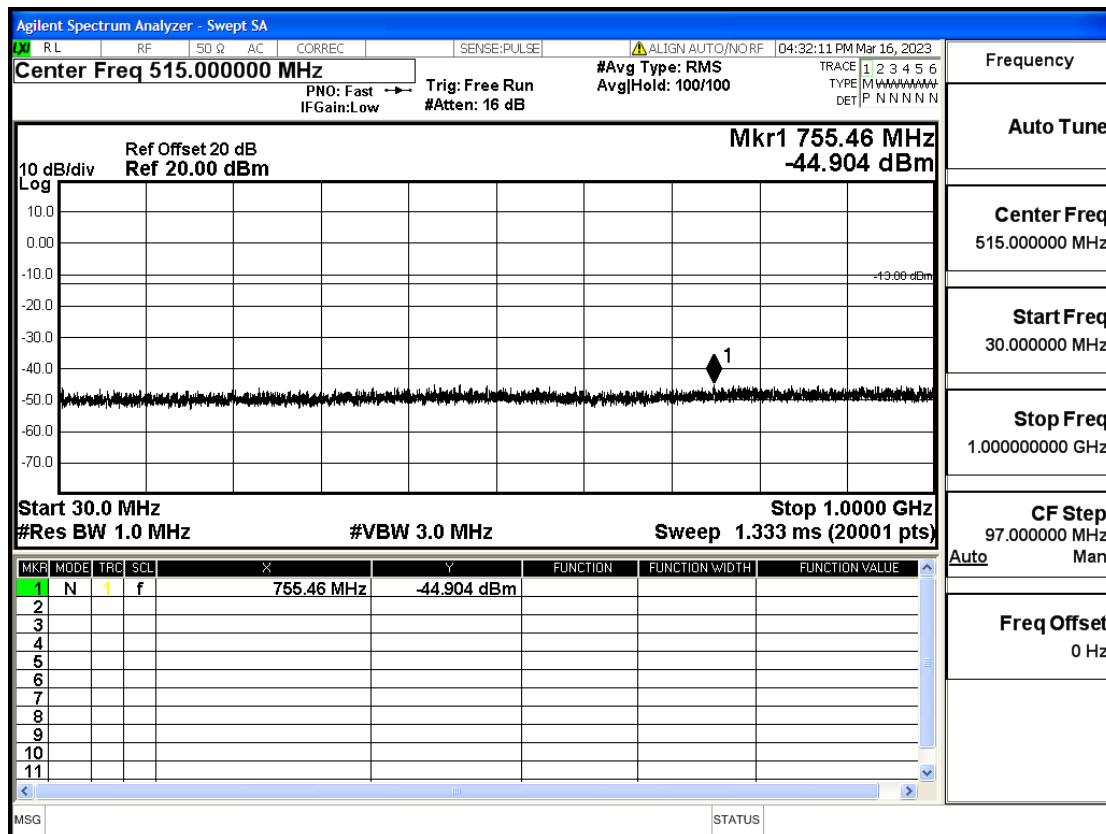
OB4-20-1720-Q16-100#LOW@7GHz-13.6GHz@Pass



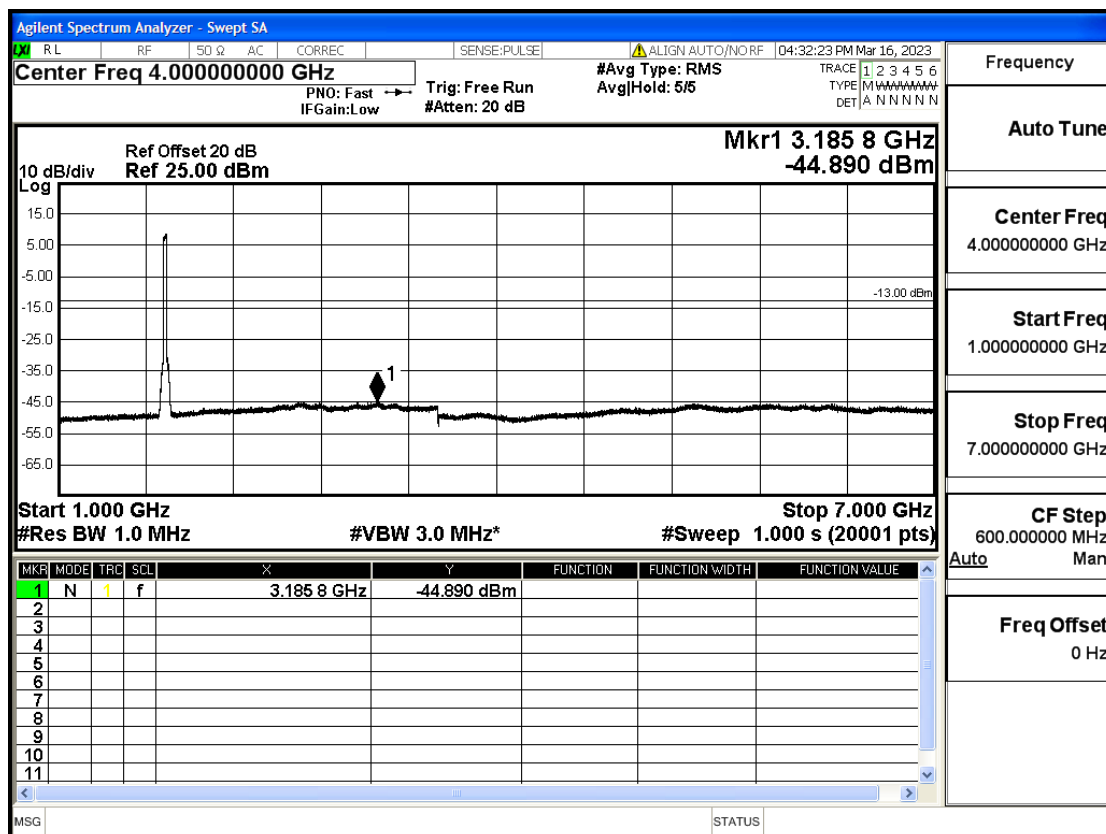
OB4-20-1720-Q16-100#LOW@13.6GHz-20GHz@Pass



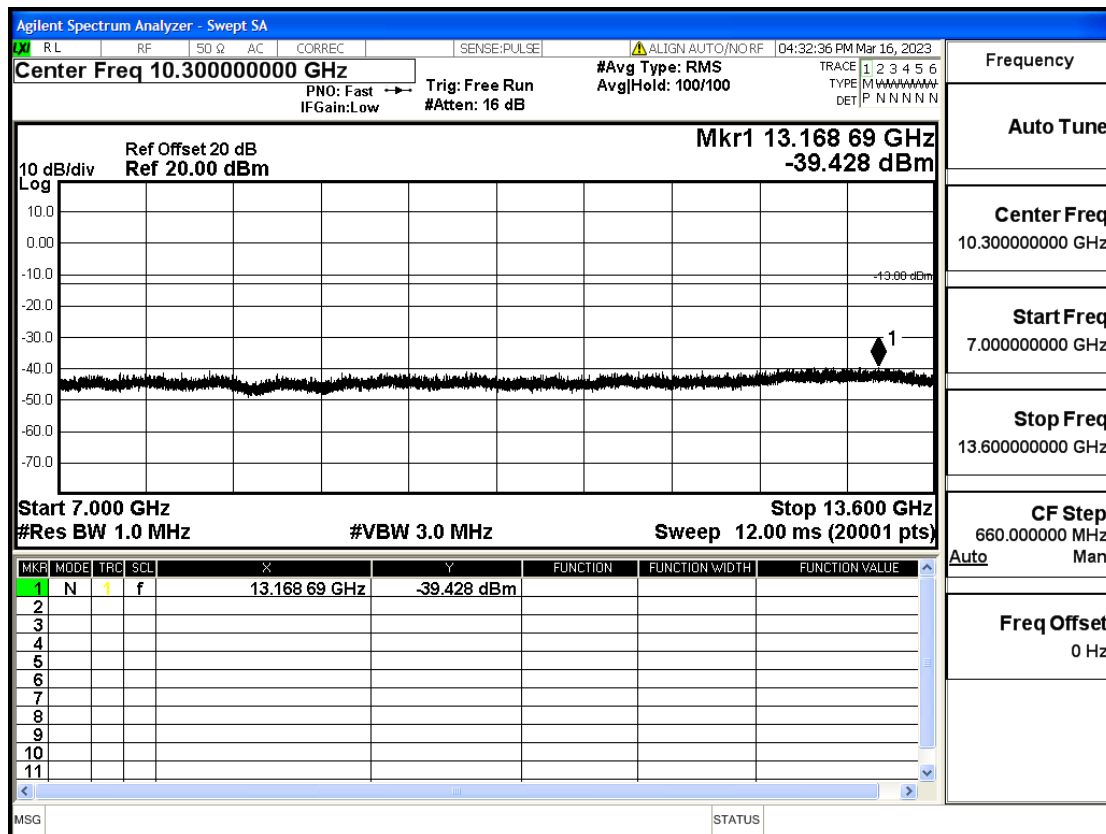
OB4-20-1732.5-Q16-100#LOW@30mHz-1GHz@Pass



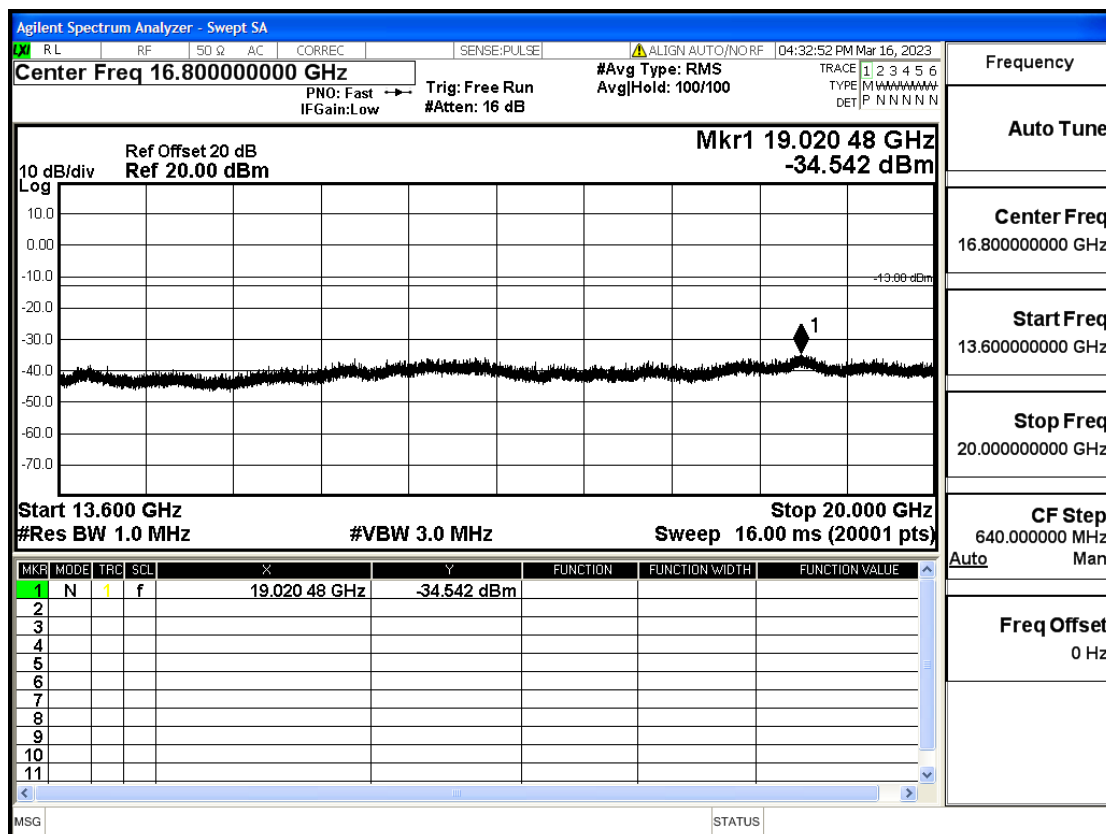
OB4-20-1732.5-Q16-100#LOW@1GHz-7GHz@Pass



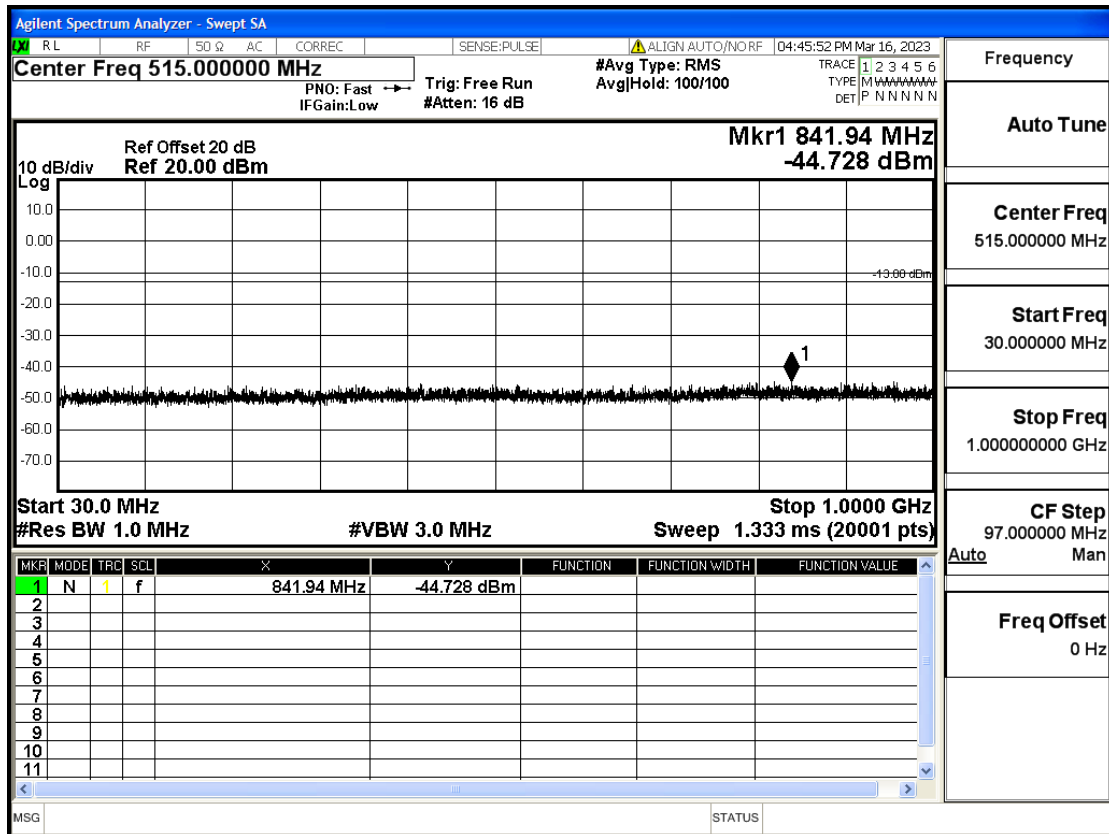
OB4-20-1732.5-Q16-100#LOW@7GHz-13.6GHz@Pass



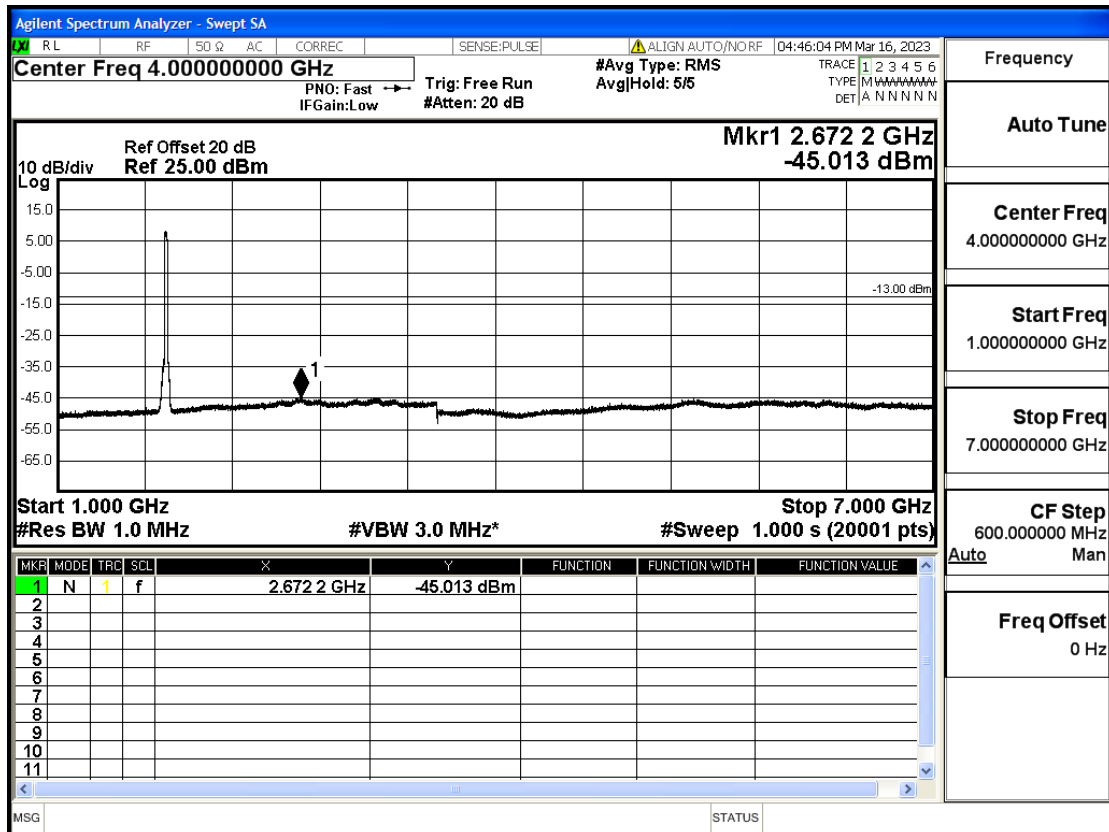
OB4-20-1732.5-Q16-100#LOW@13.6GHz-20GHz@Pass



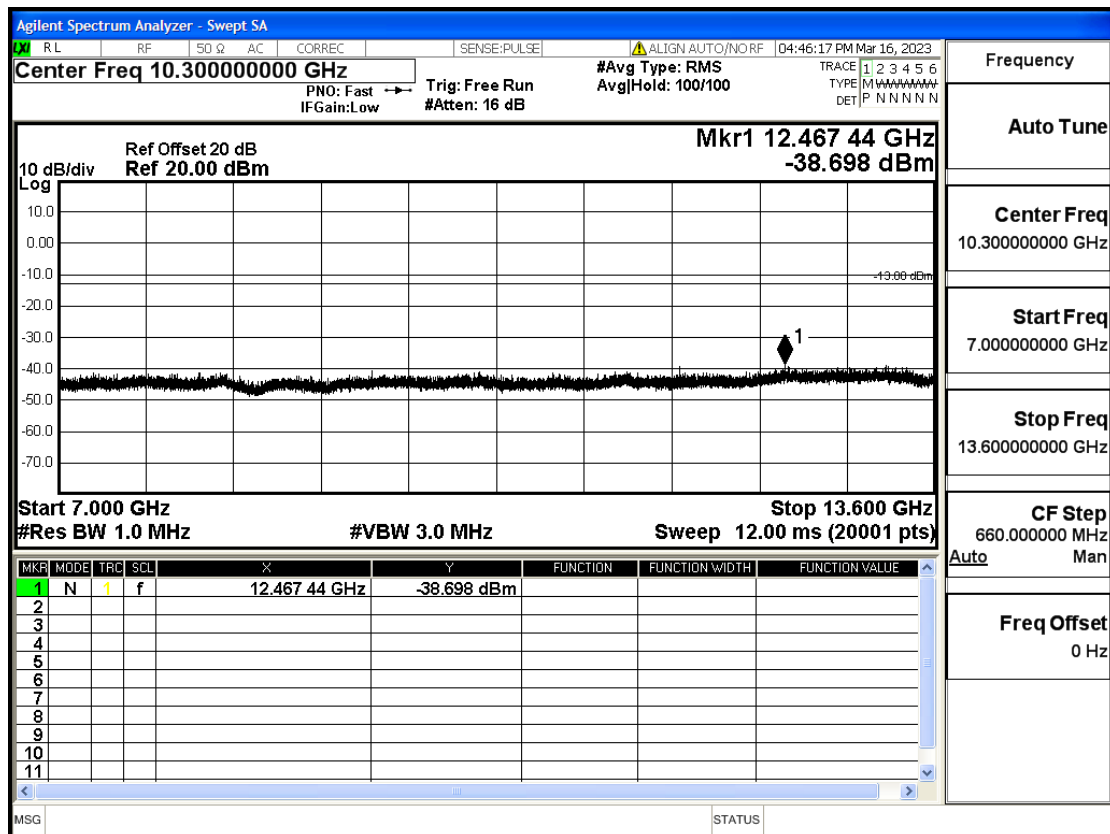
OB4-20-1745-Q16-100#LOW@30mHz-1GHz@Pass



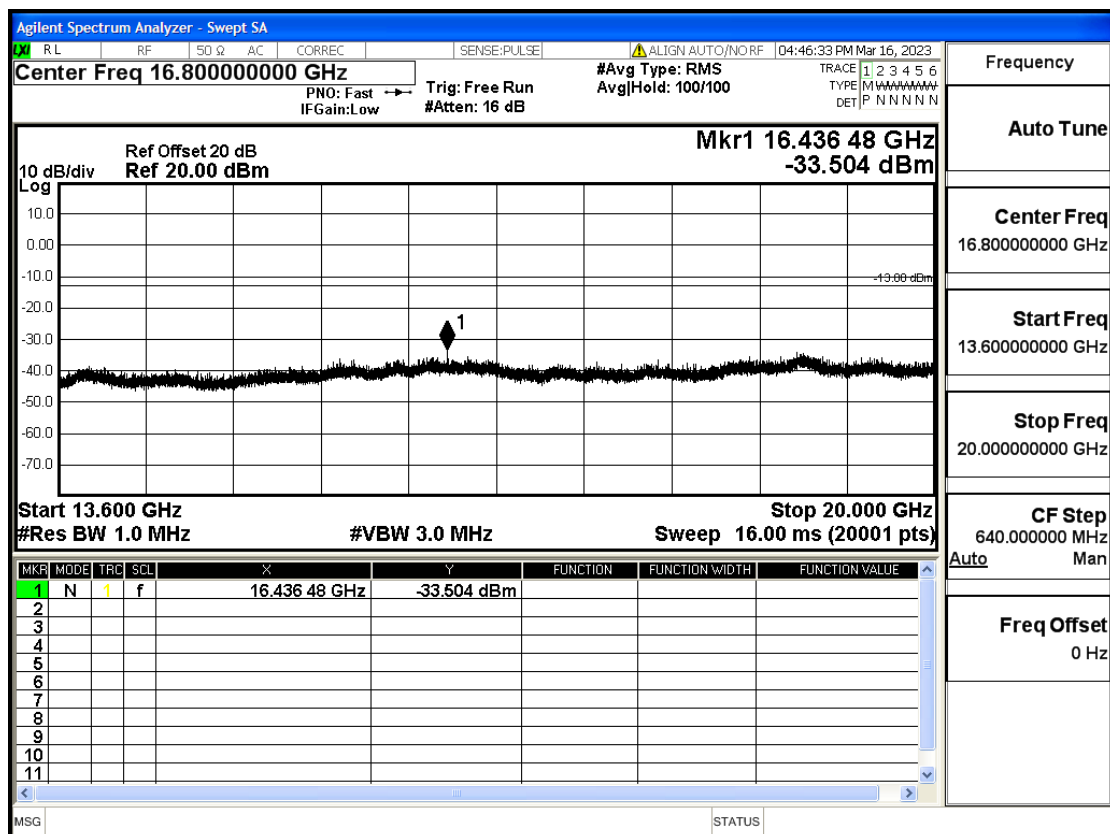
OB4-20-1745-Q16-100#LOW@1GHz-7GHz@Pass



OB4-20-1745-Q16-100#LOW@7GHz-13.6GHz@Pass



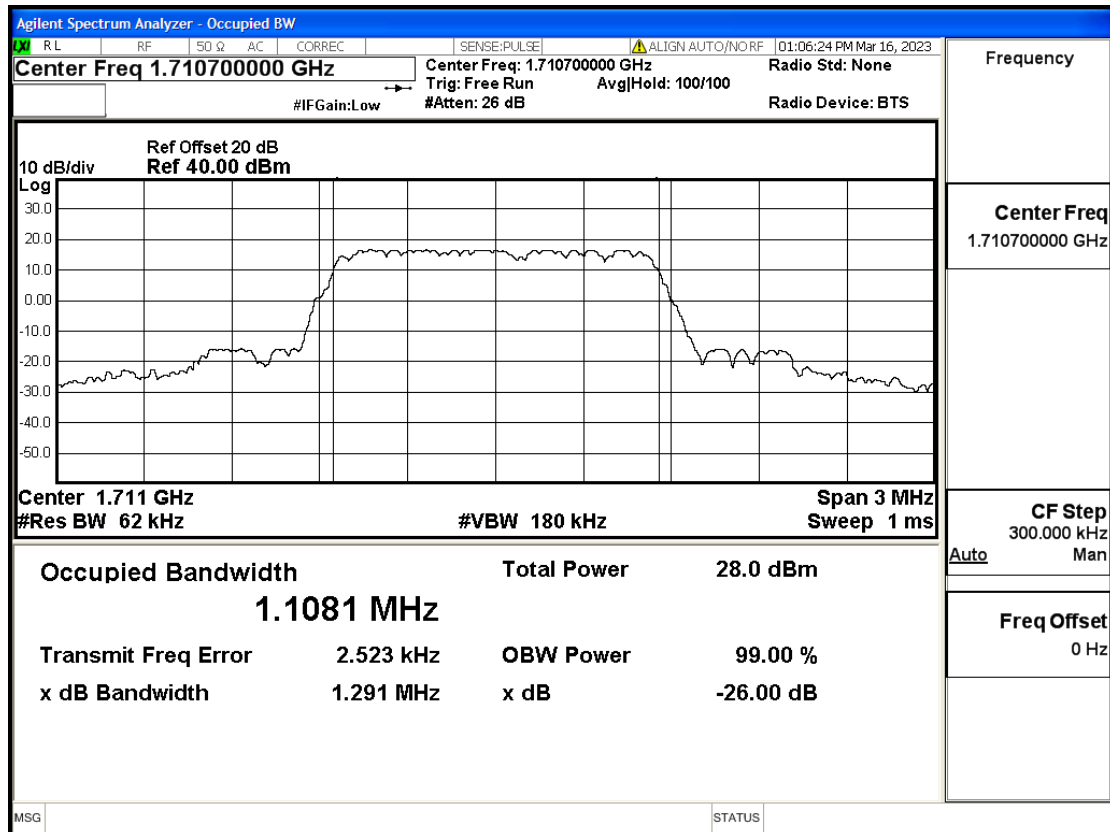
OB4-20-1745-Q16-100#LOW@13.6GHz-20GHz@Pass



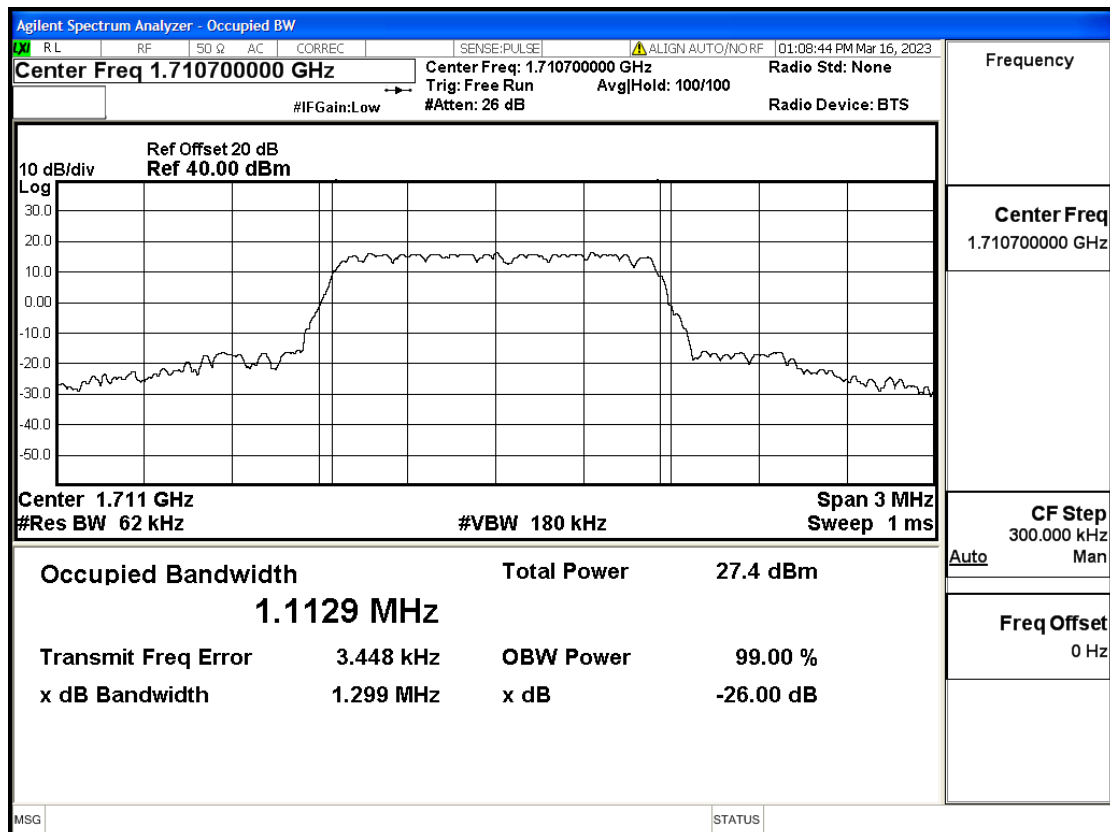
Emission bandwidth and OBW

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	1108.1	1291	No limit
Band4	1.4	1710.7	16QAM	6	LOW	1112.9	1299	No limit
Band4	1.4	1732.5	QPSK	6	LOW	1118	1302	No limit
Band4	1.4	1732.5	16QAM	6	LOW	1121.6	1269	No limit
Band4	1.4	1754.3	QPSK	6	LOW	1118.5	1295	No limit
Band4	1.4	1754.3	16QAM	6	LOW	1106.7	1286	No limit
Band4	3	1711.5	QPSK	15	LOW	2761	3107	No limit
Band4	3	1711.5	16QAM	15	LOW	2781.3	3089	No limit
Band4	3	1732.5	QPSK	15	LOW	2756.8	3065	No limit
Band4	3	1732.5	16QAM	15	LOW	2753.9	3096	No limit
Band4	3	1753.5	QPSK	15	LOW	2771.3	3080	No limit
Band4	3	1753.5	16QAM	15	LOW	2743.2	3075	No limit
Band4	5	1712.5	QPSK	25	LOW	4582	5074	No limit
Band4	5	1712.5	16QAM	25	LOW	4565.5	5127	No limit
Band4	5	1732.5	QPSK	25	LOW	4581	5113	No limit
Band4	5	1732.5	16QAM	25	LOW	4566.2	5088	No limit
Band4	5	1752.5	QPSK	25	LOW	4576.1	5102	No limit
Band4	5	1752.5	16QAM	25	LOW	4578.4	5032	No limit
Band4	10	1715	QPSK	50	LOW	9110.2	10090	No limit
Band4	10	1715	16QAM	50	LOW	9120.1	10060	No limit
Band4	10	1732.5	QPSK	50	LOW	9135	10020	No limit
Band4	10	1732.5	16QAM	50	LOW	9108.2	10150	No limit
Band4	10	1750	QPSK	50	LOW	9136.5	10010	No limit
Band4	10	1750	16QAM	50	LOW	9114.2	10000	No limit
Band4	15	1717.5	QPSK	75	LOW	13710	15230	No limit
Band4	15	1717.5	16QAM	75	LOW	13744	15310	No limit
Band4	15	1732.5	QPSK	75	LOW	13658	15180	No limit
Band4	15	1732.5	16QAM	75	LOW	13672	15320	No limit
Band4	15	1747.5	QPSK	75	LOW	13693	15300	No limit
Band4	15	1747.5	16QAM	75	LOW	13657	15280	No limit
Band4	20	1720	QPSK	100	LOW	18244	19960	No limit
Band4	20	1720	16QAM	100	LOW	18273	20130	No limit
Band4	20	1732.5	QPSK	100	LOW	18248	20090	No limit
Band4	20	1732.5	16QAM	100	LOW	18256	20180	No limit
Band4	20	1745	QPSK	100	LOW	18233	20100	No limit
Band4	20	1745	16QAM	100	LOW	18258	20210	No limit

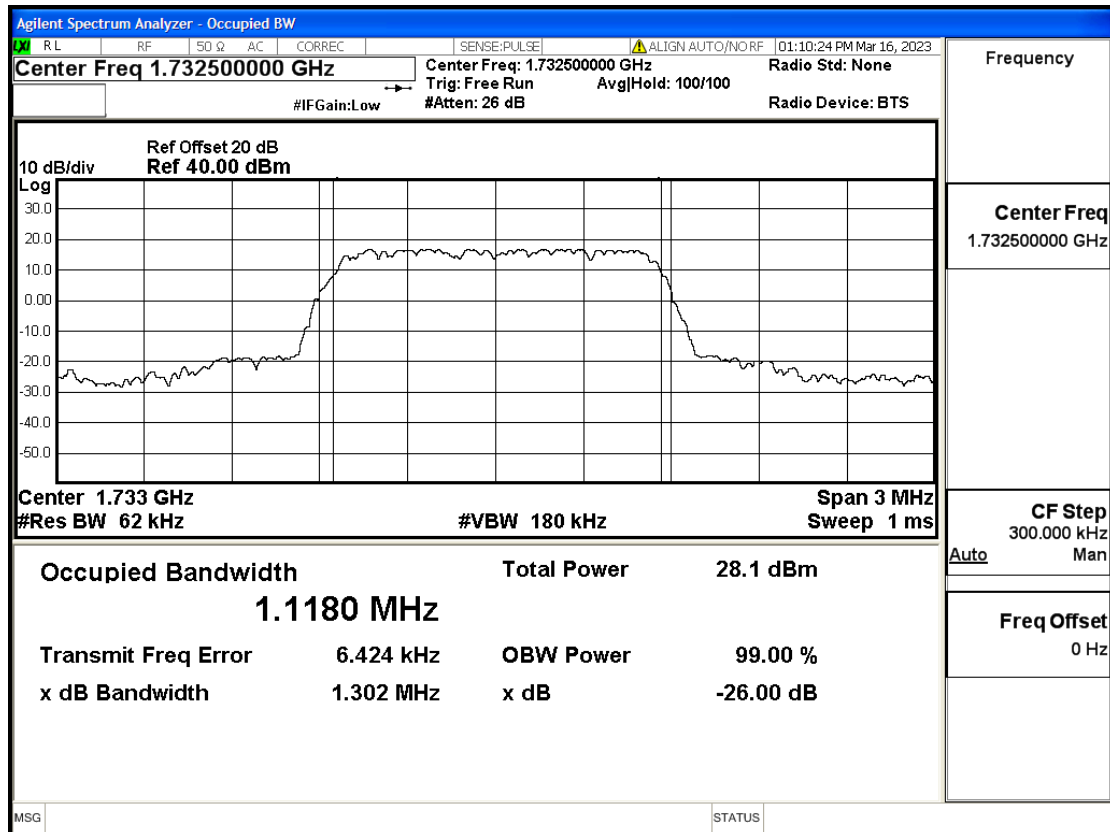
Band4-1.4-1710.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



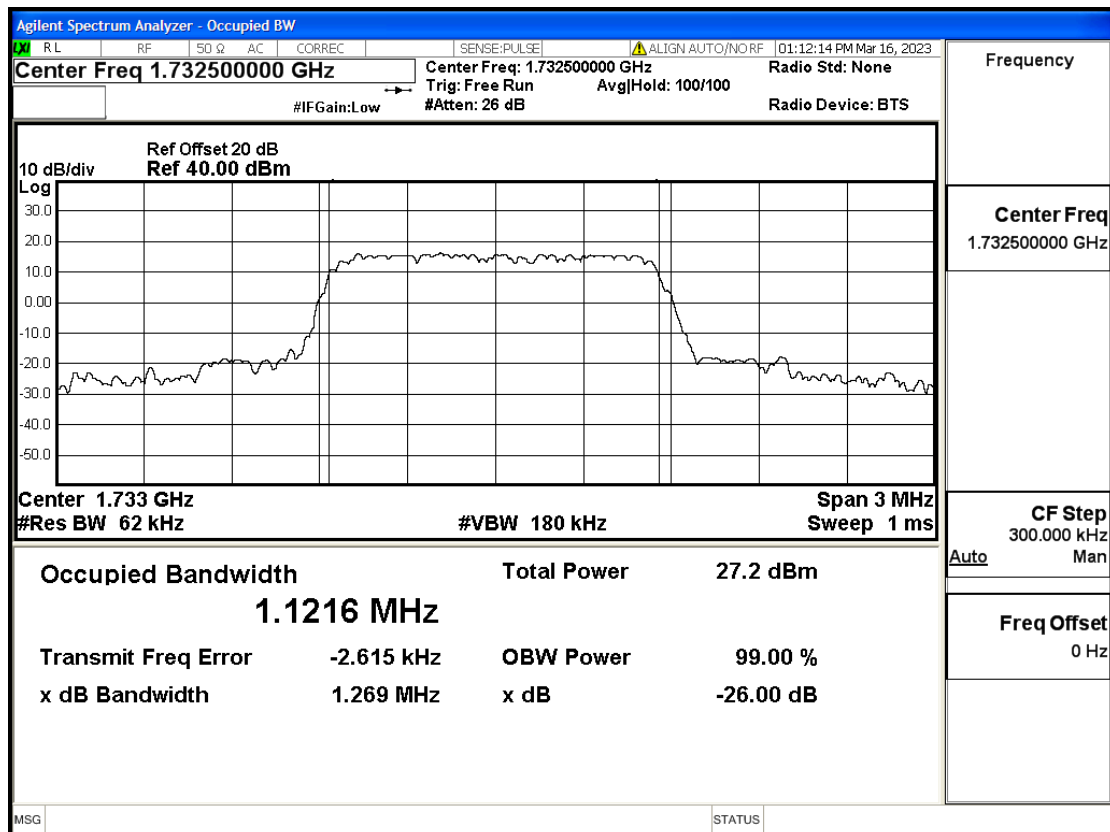
Band4-1.4-1710.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



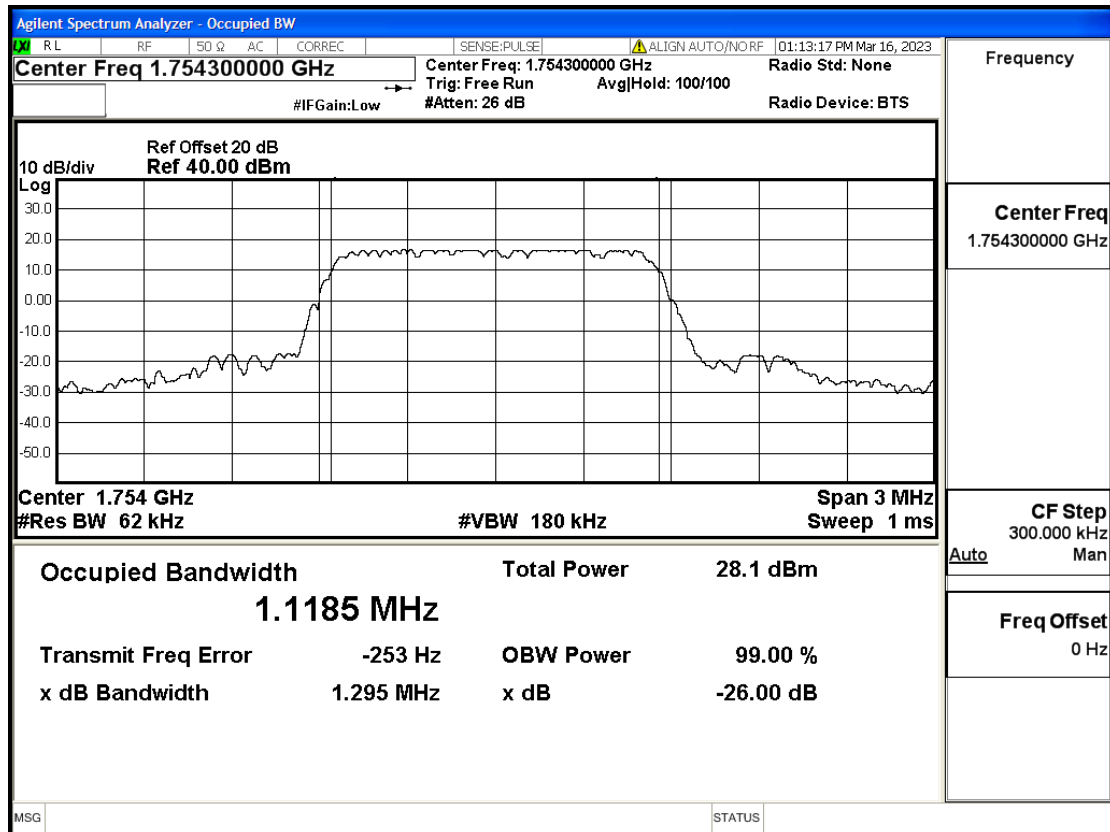
Band4-1.4-1732.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



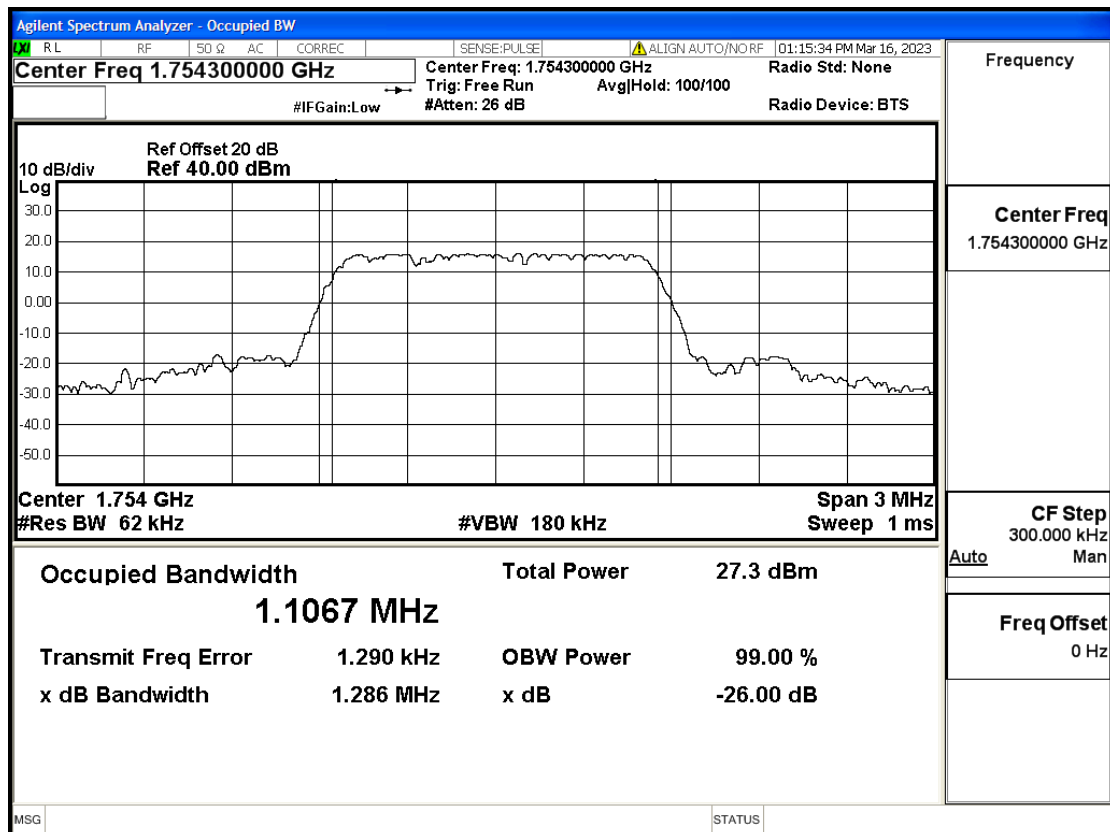
Band4-1.4-1732.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



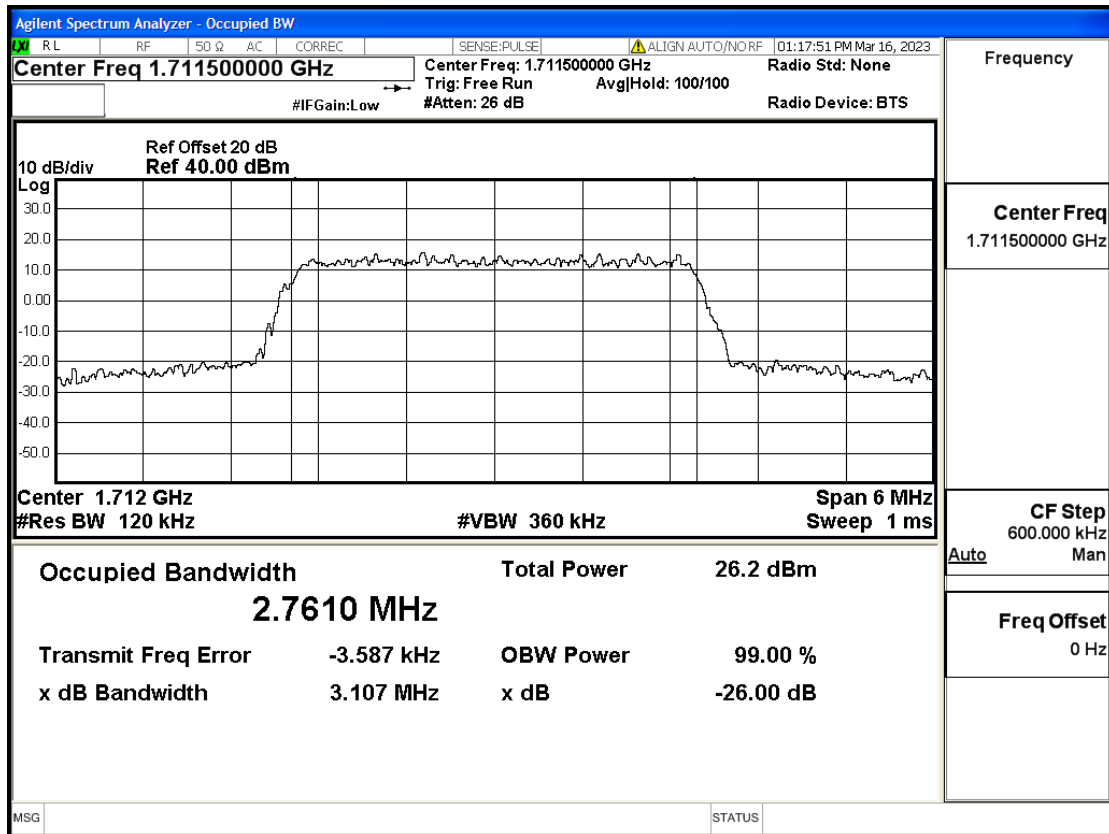
Band4-1.4-1754.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



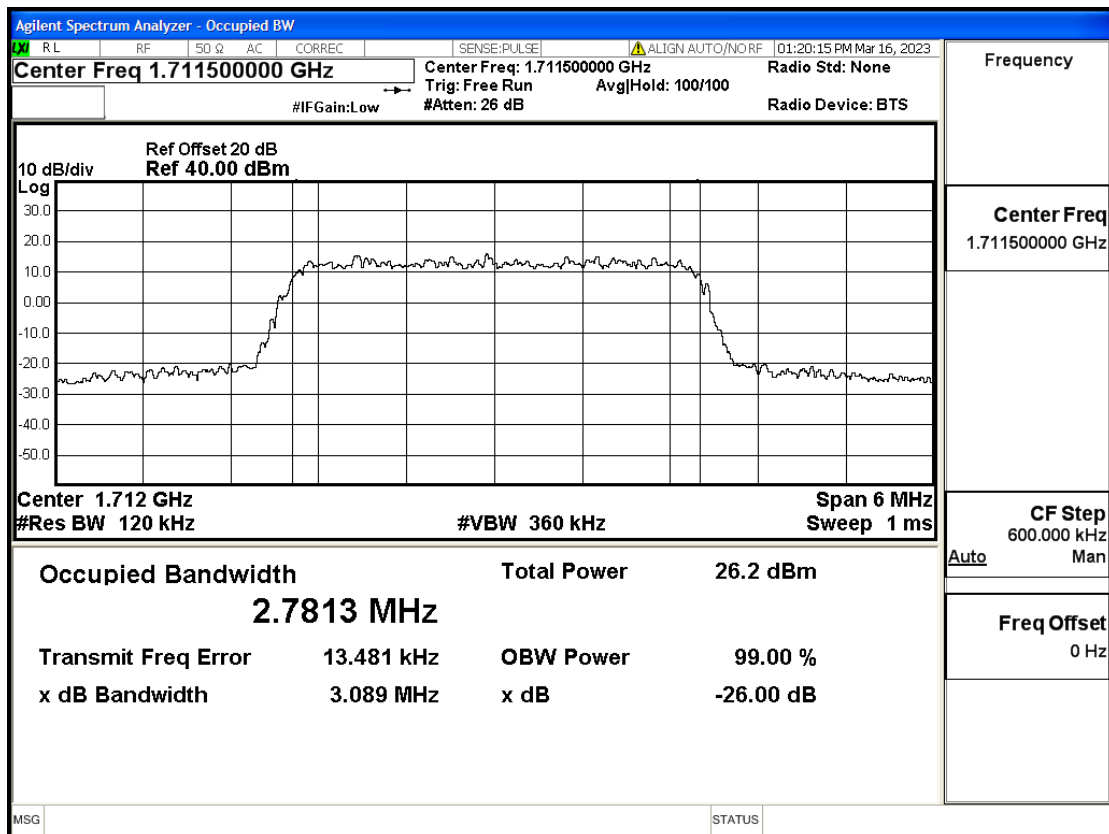
Band4-1.4-1754.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



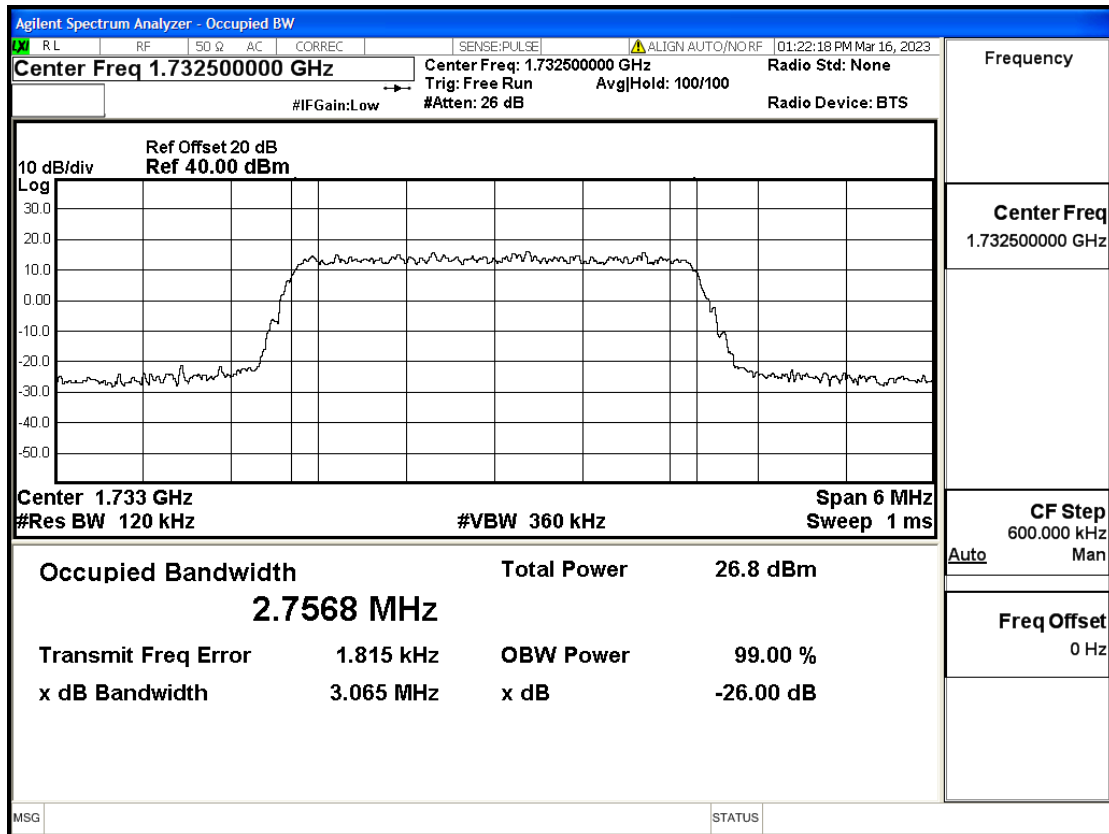
Band4-3-1711.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



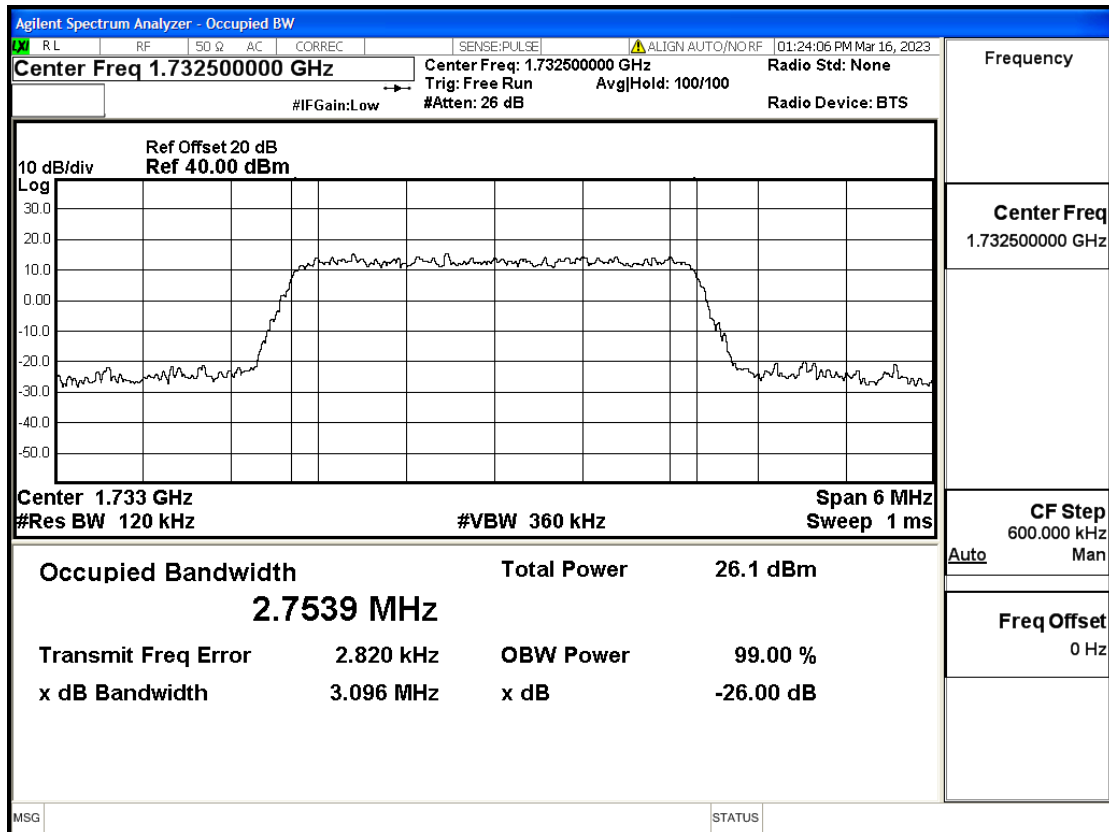
Band4-3-1711.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



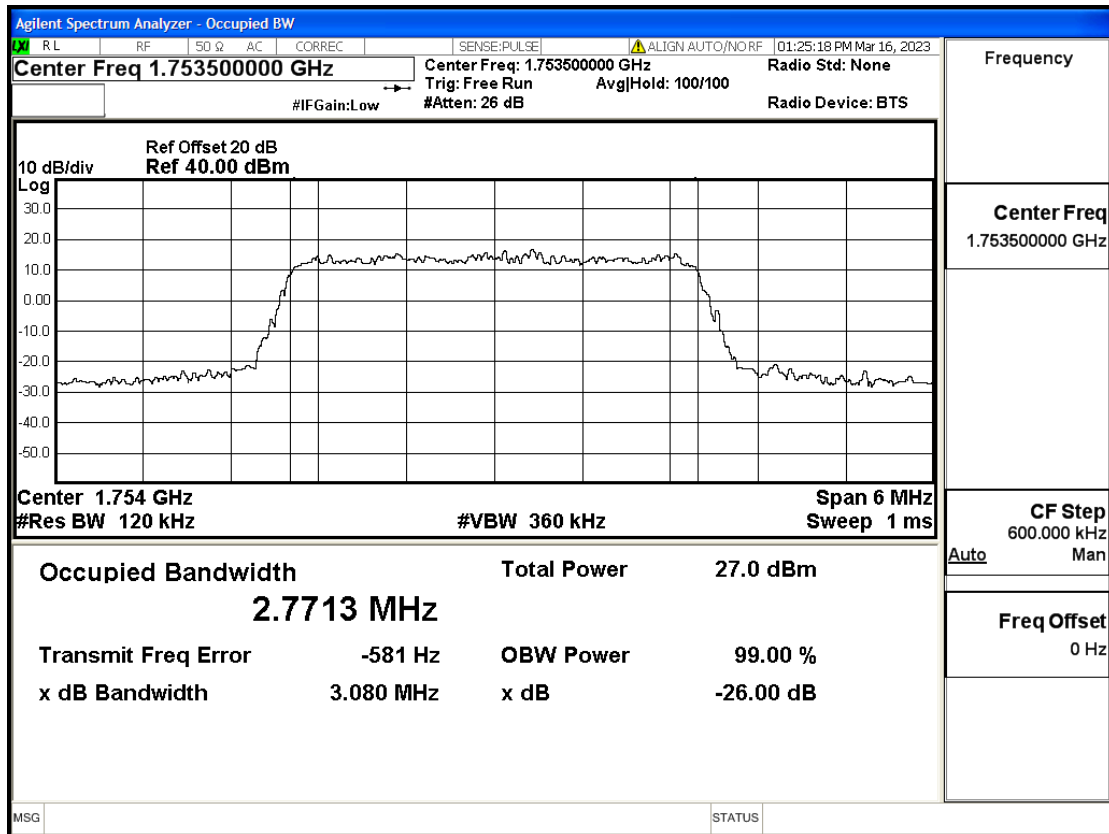
Band4-3-1732.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



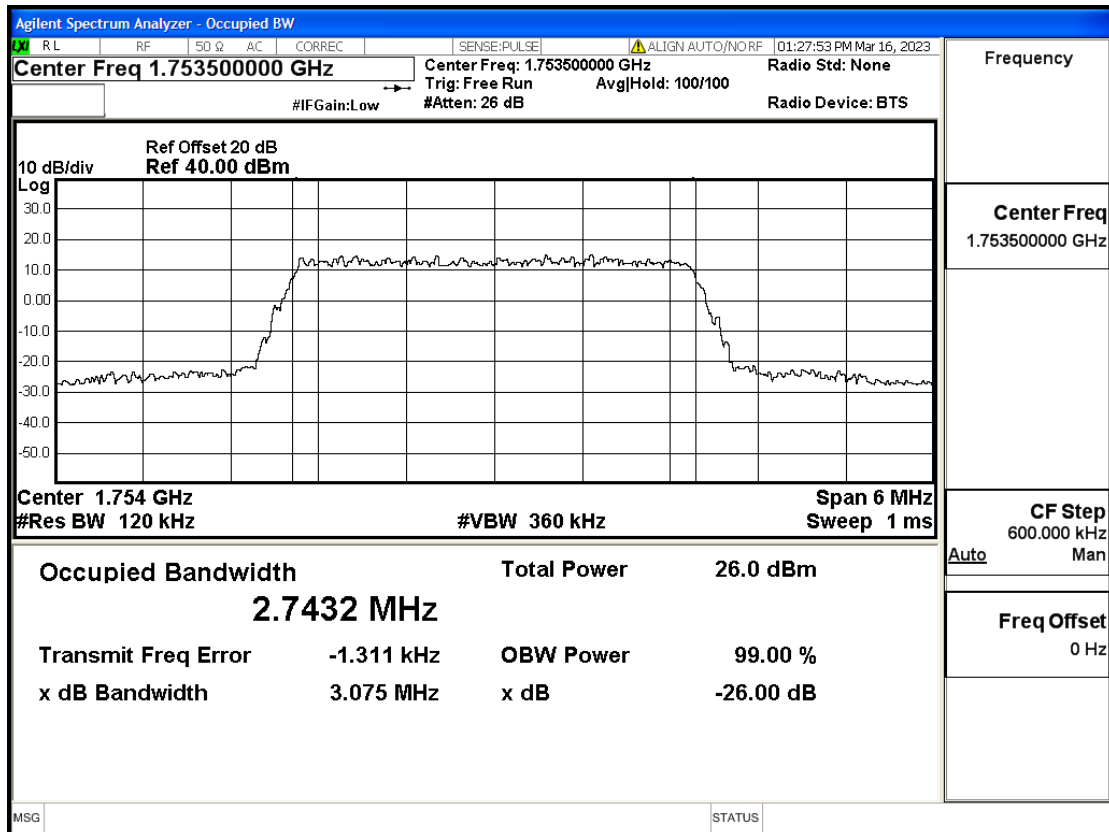
Band4-3-1732.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



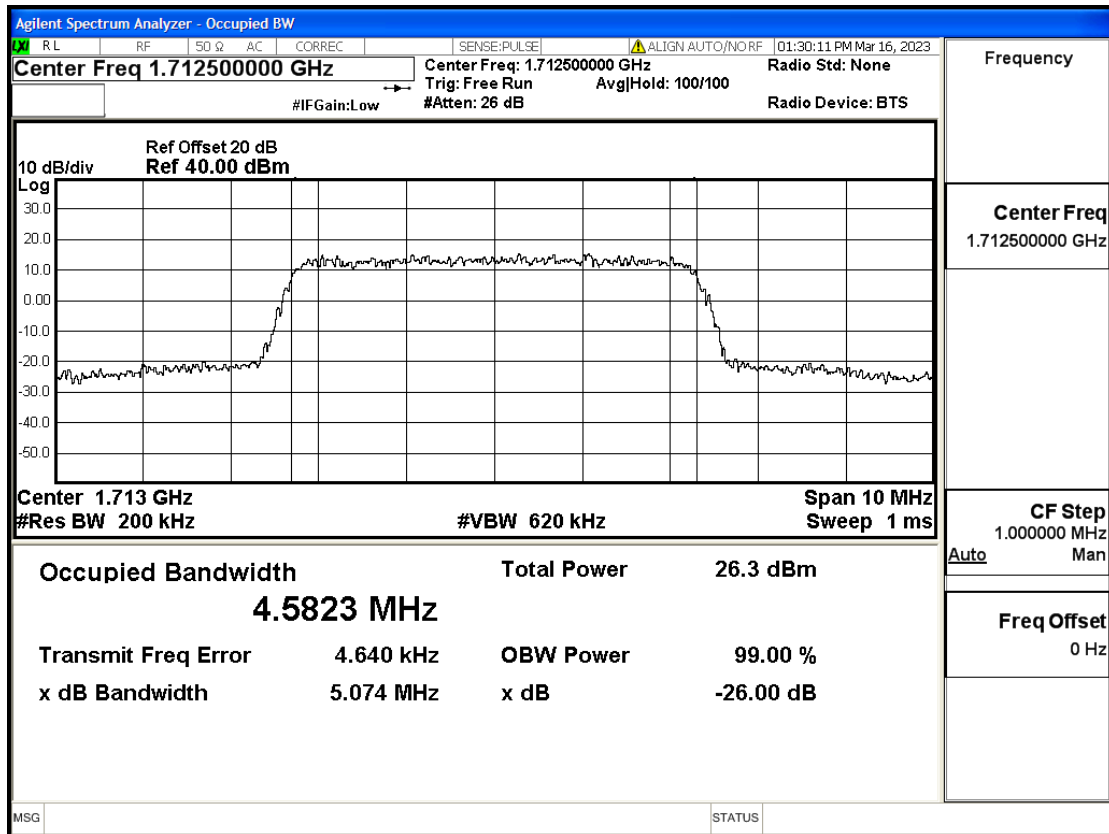
Band4-3-1753.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



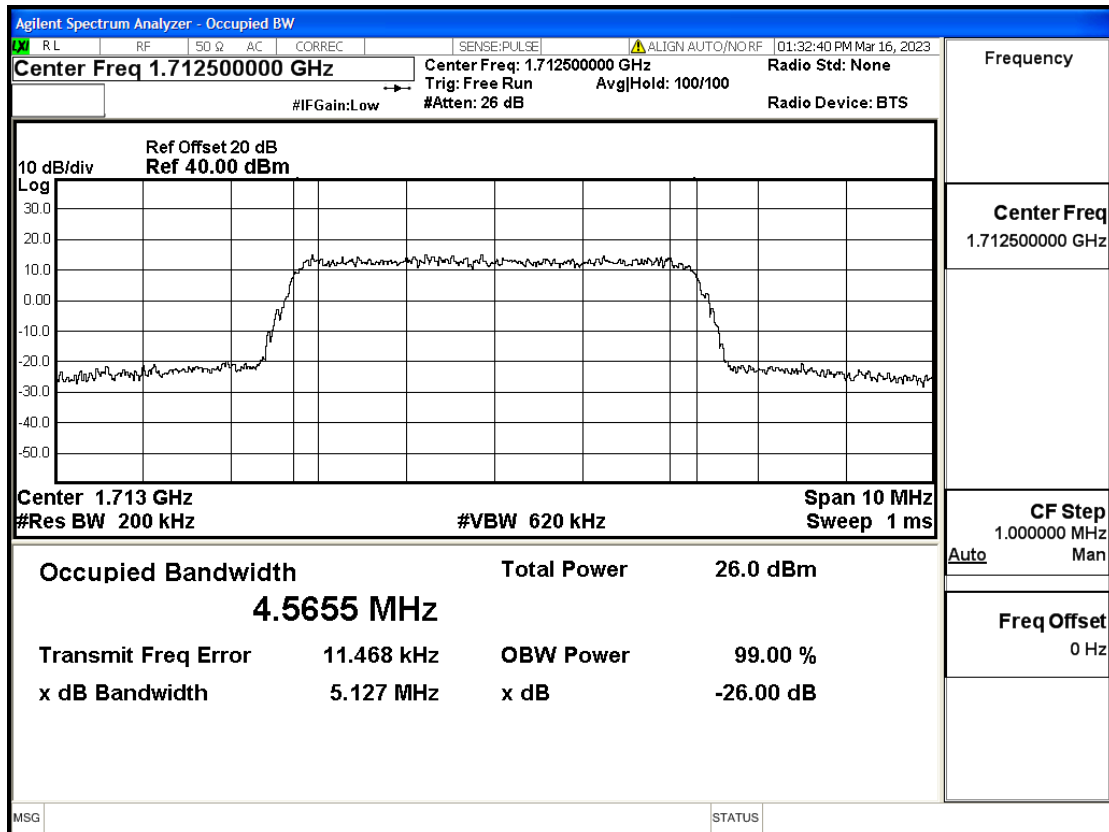
Band4-3-1753.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



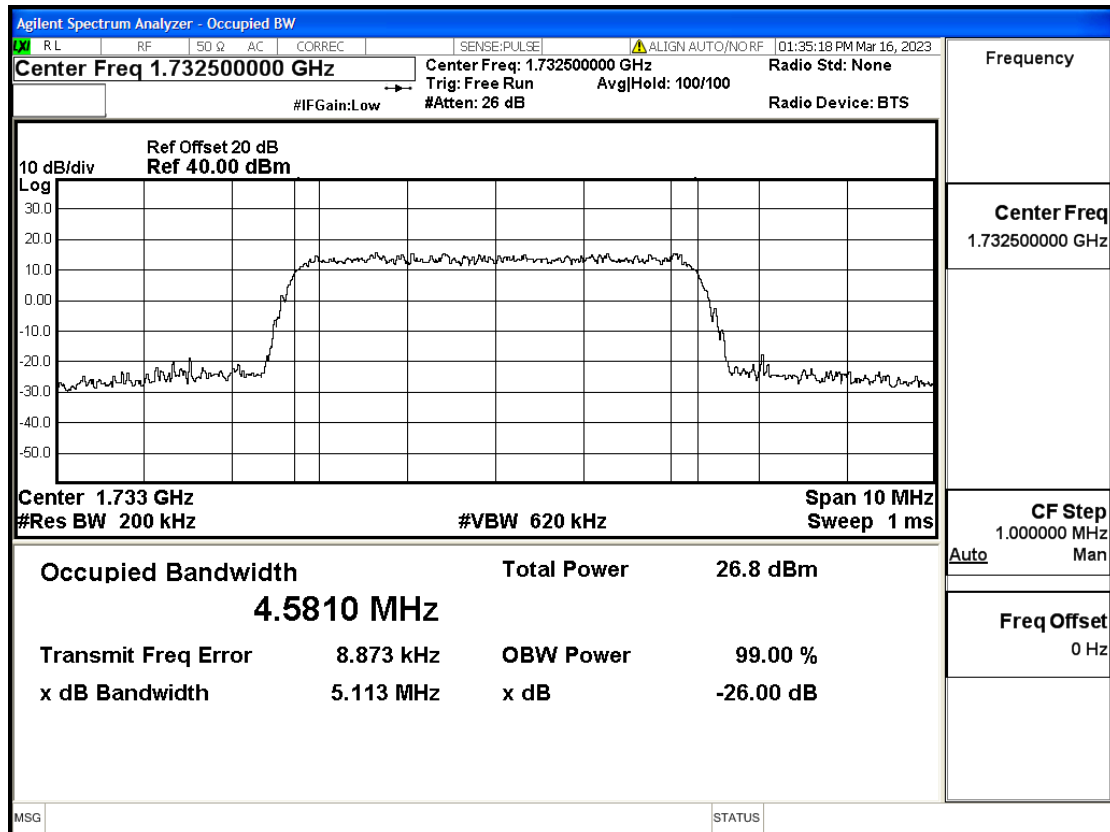
Band4-5-1712.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



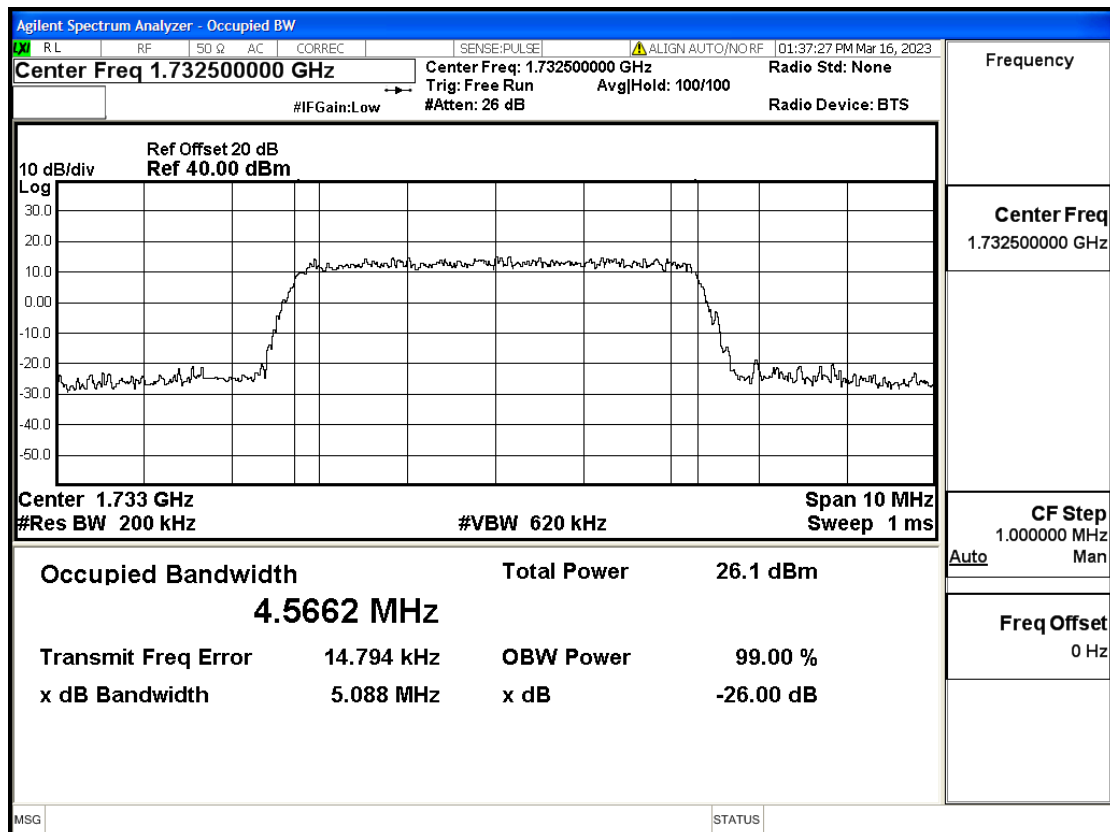
Band4-5-1712.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



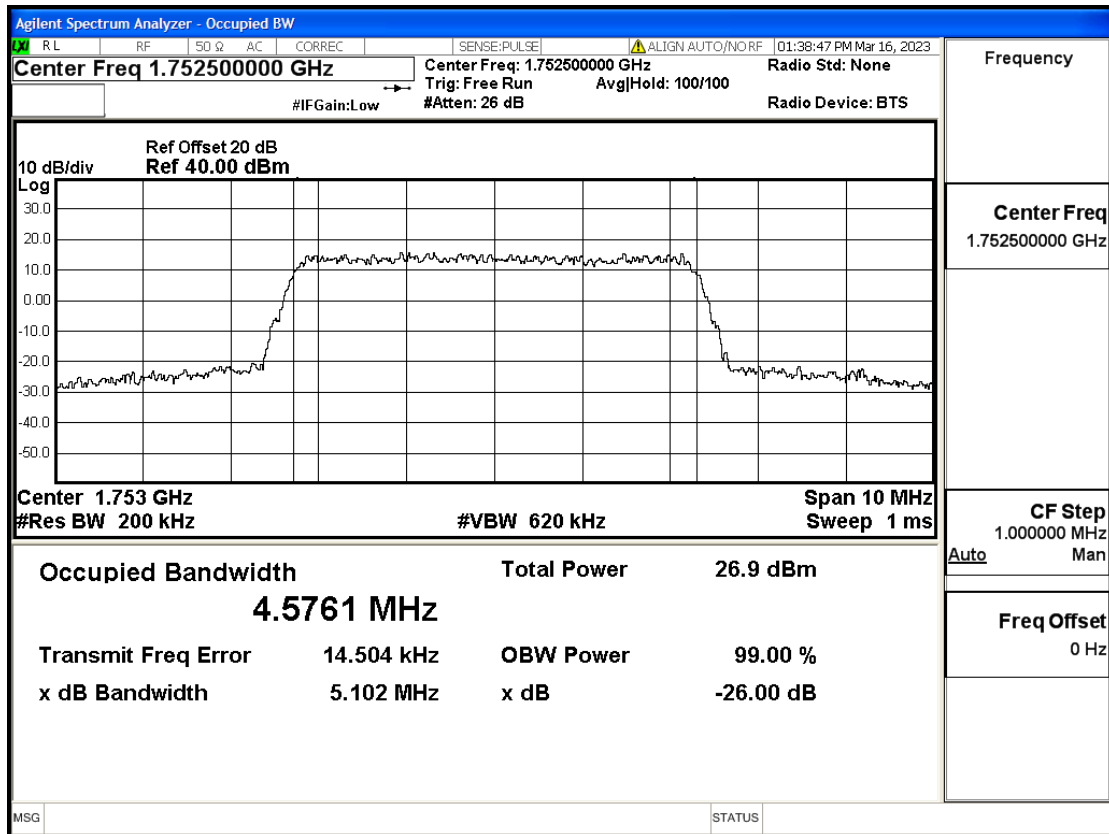
Band4-5-1732.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



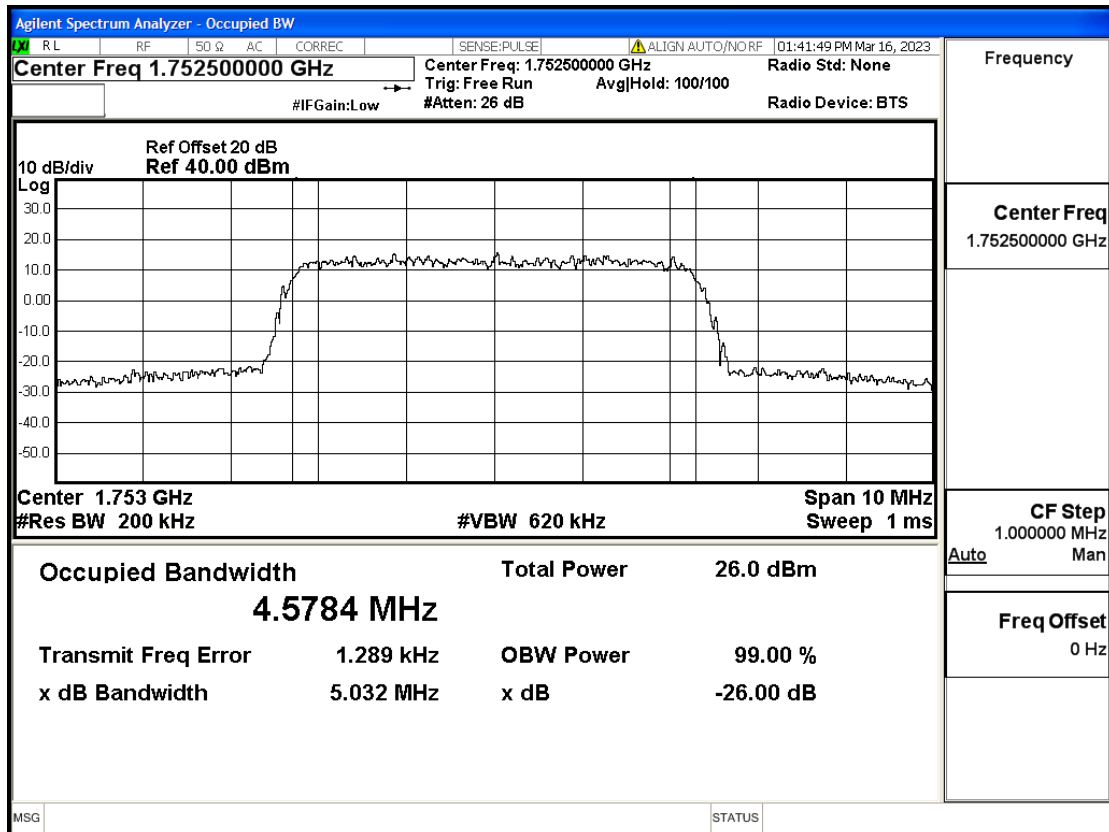
Band4-5-1732.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



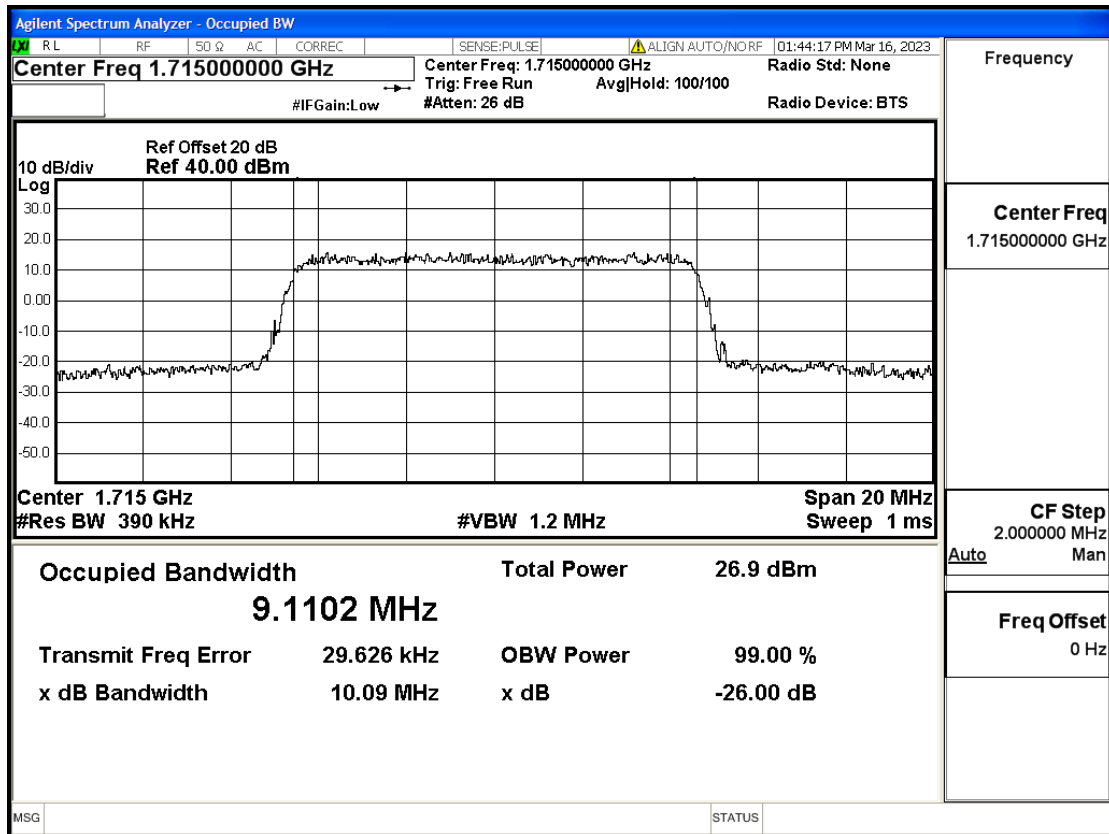
Band4-5-1752.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



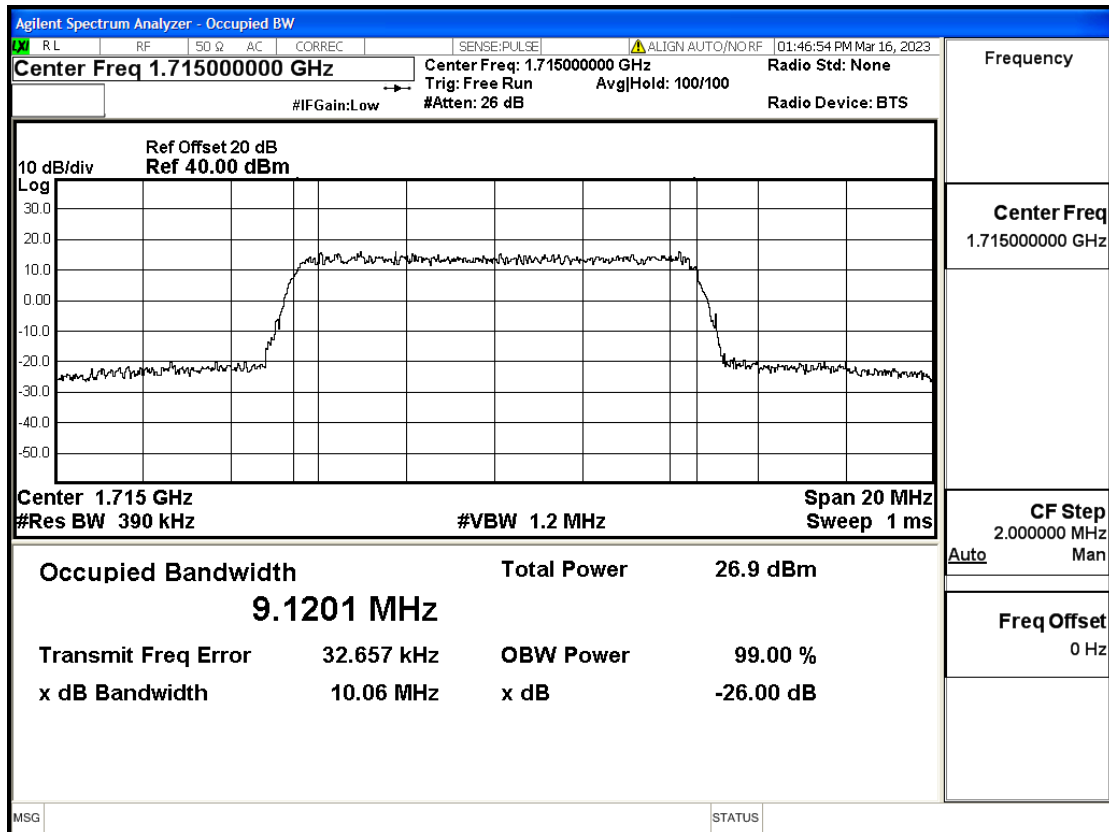
Band4-5-1752.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



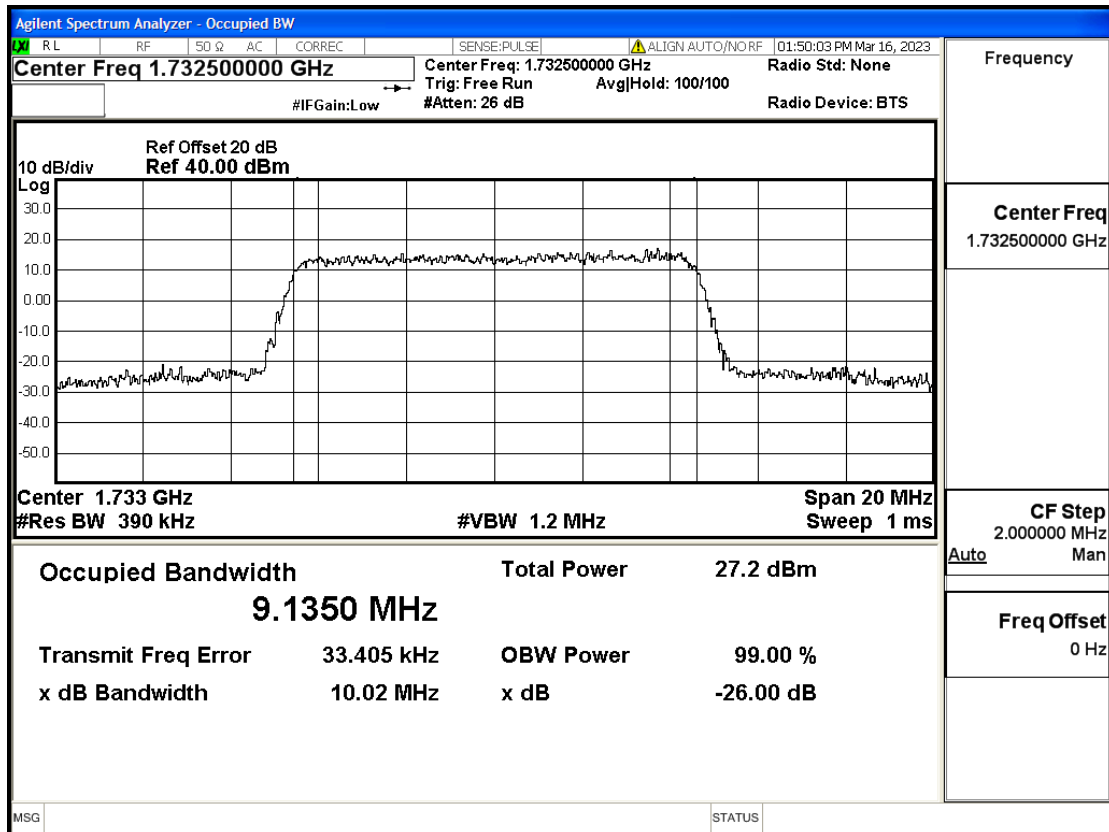
Band4-10-1715-QPSK-50#LOW@26dB and 99PCT Bandwidth



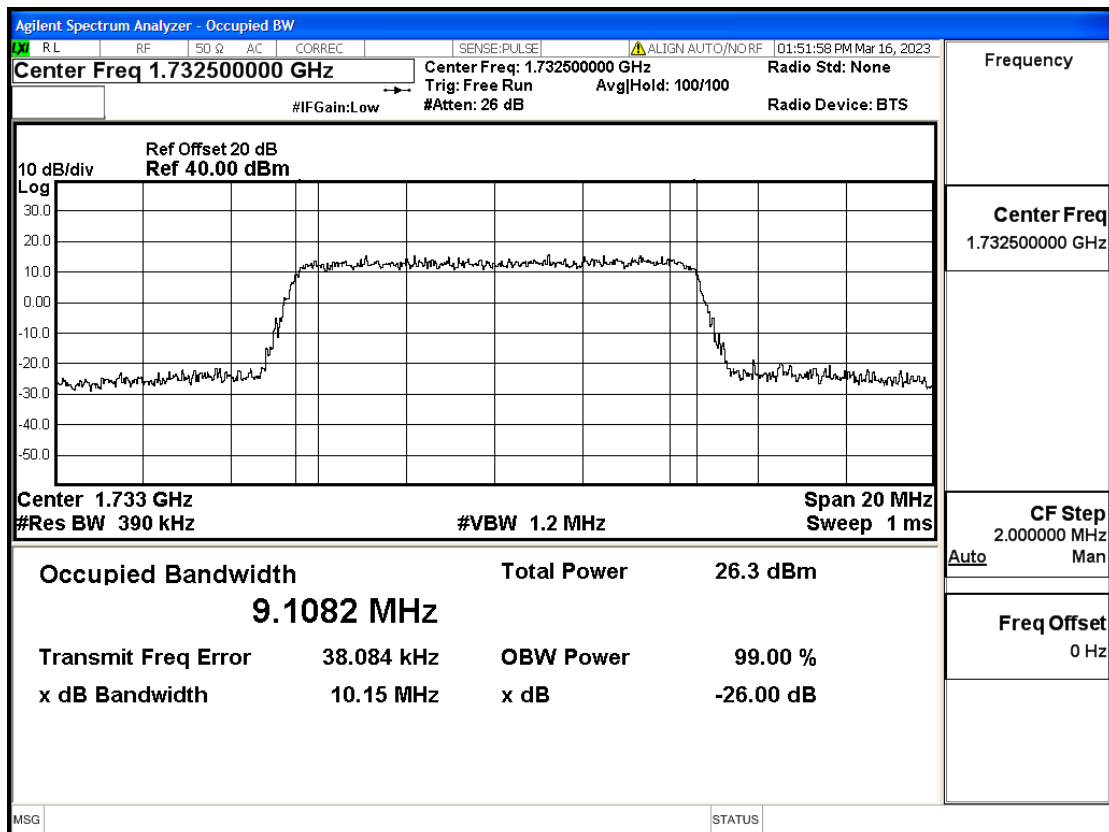
Band4-10-1715-16QAM-50#LOW@26dB and 99PCT Bandwidth



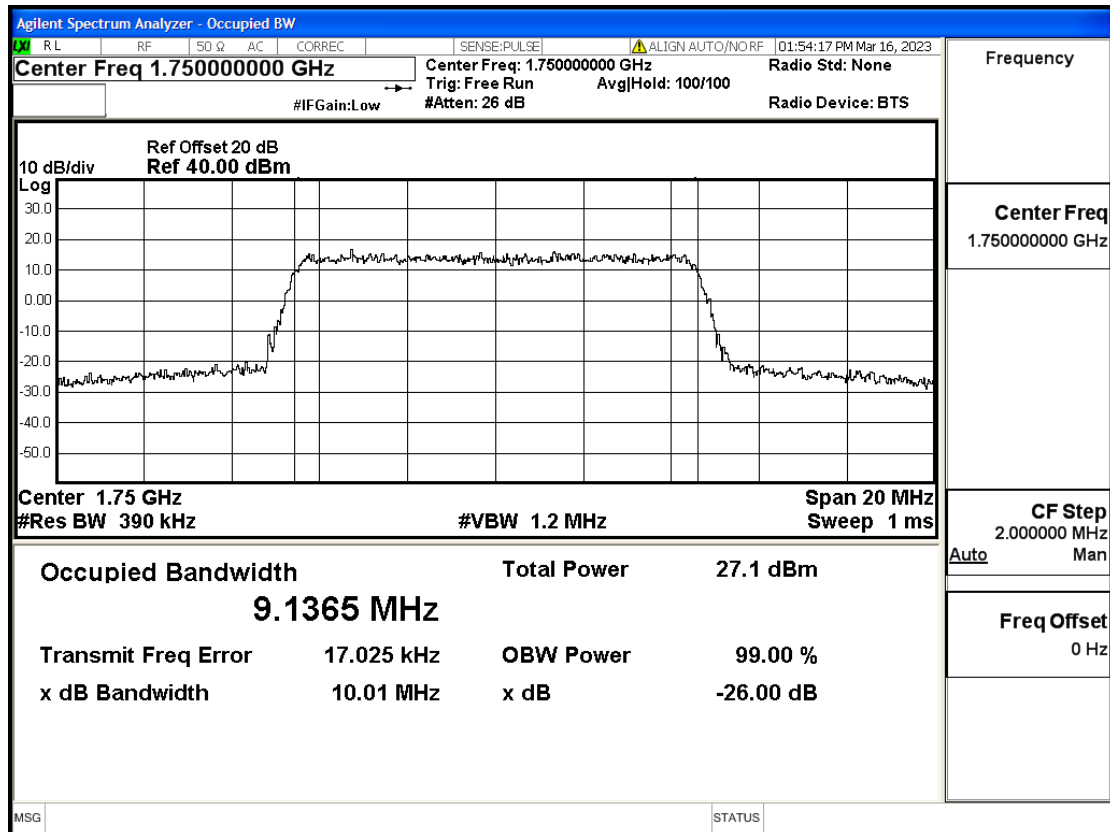
Band4-10-1732.5-QPSK-50#LOW@26dB and 99PCT Bandwidth



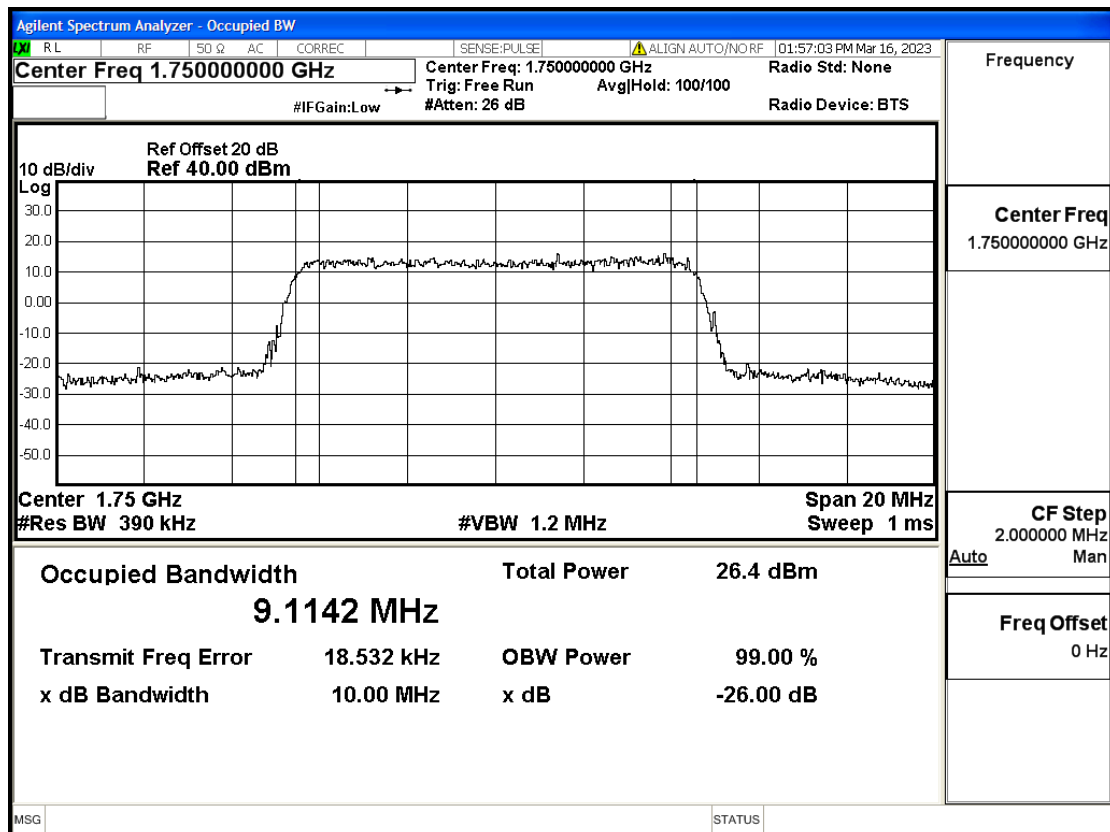
Band4-10-1732.5-16QAM-50#LOW@26dB and 99PCT Bandwidth



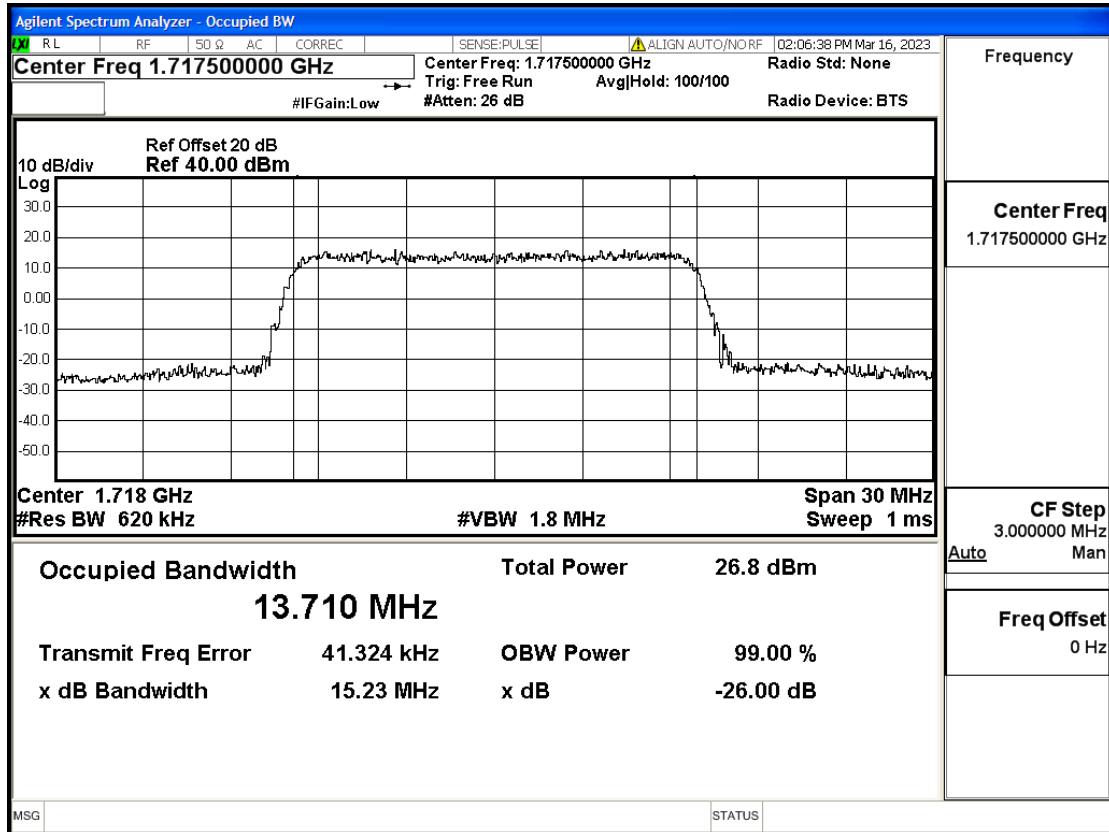
Band4-10-1750-QPSK-50#LOW@26dB and 99PCT Bandwidth



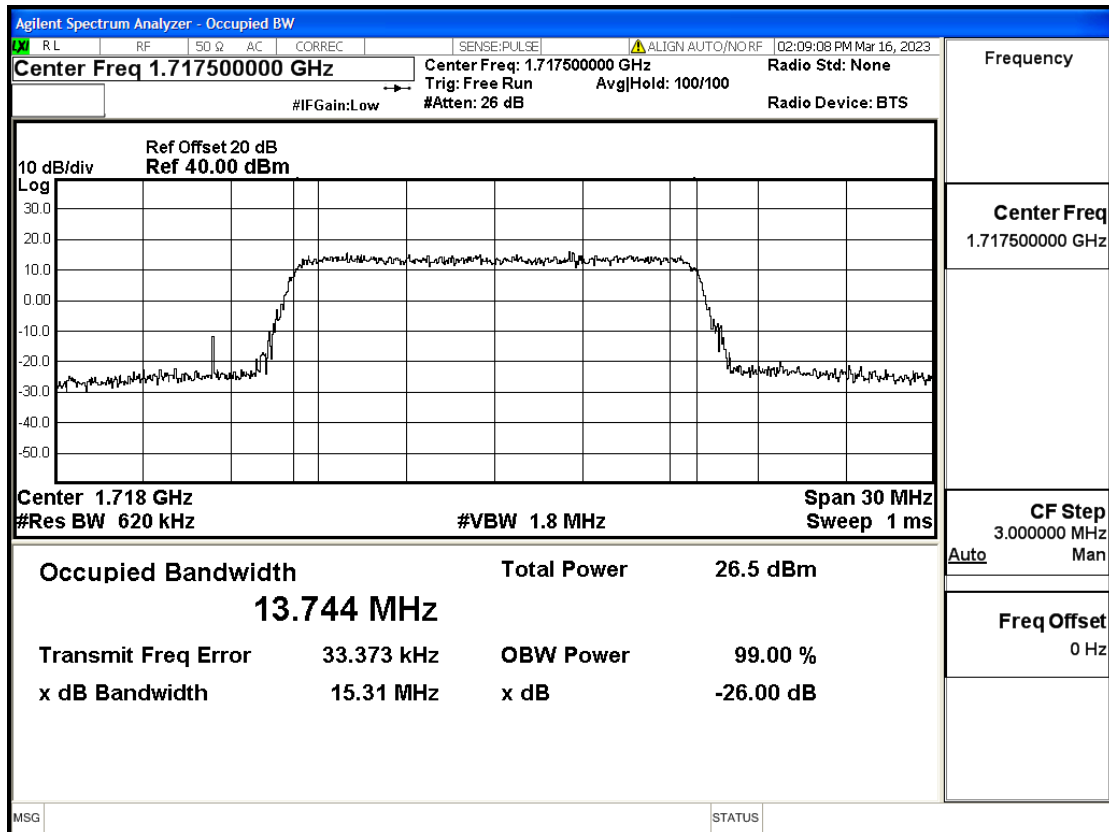
Band4-10-1750-16QAM-50#LOW@26dB and 99PCT Bandwidth



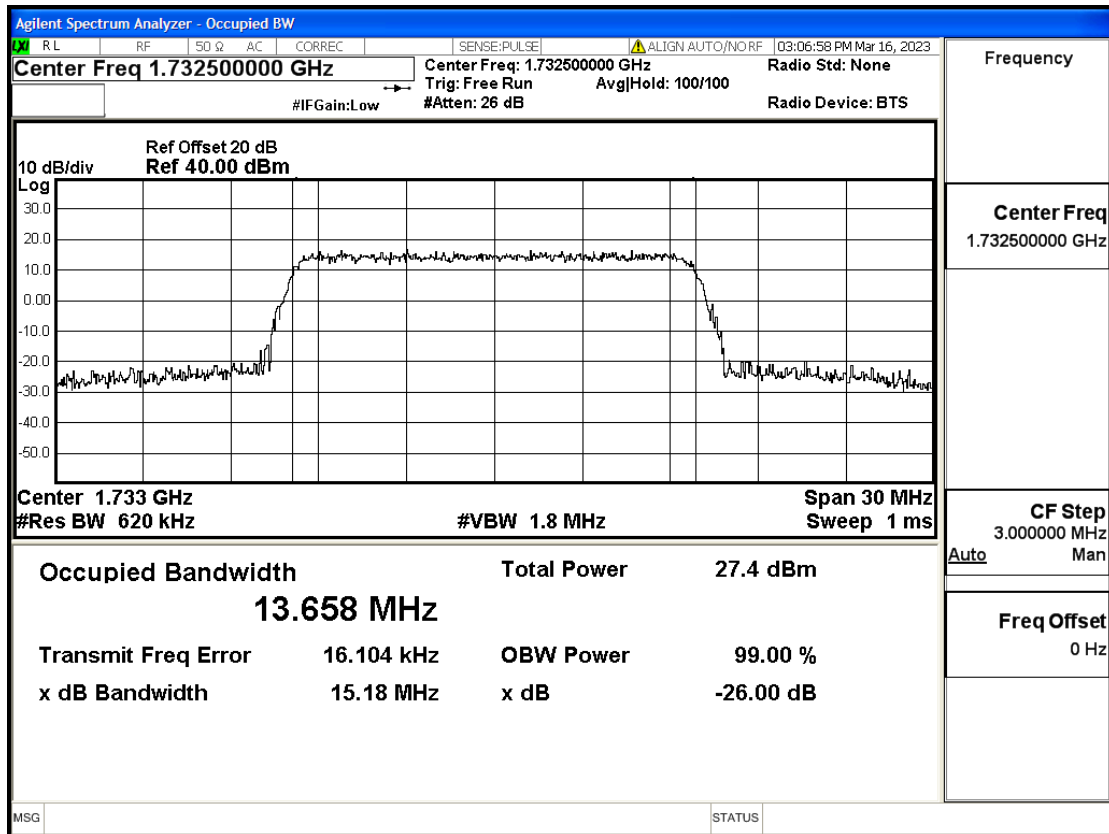
Band4-15-1717.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



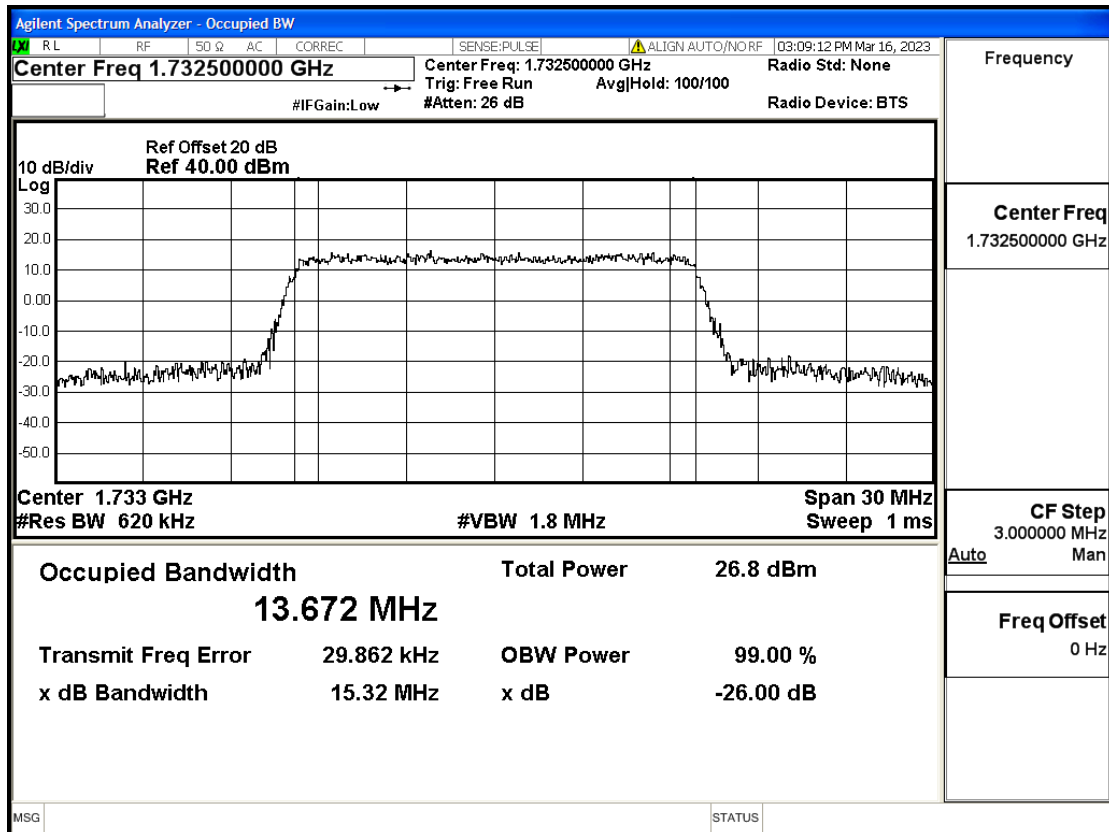
Band4-15-1717.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



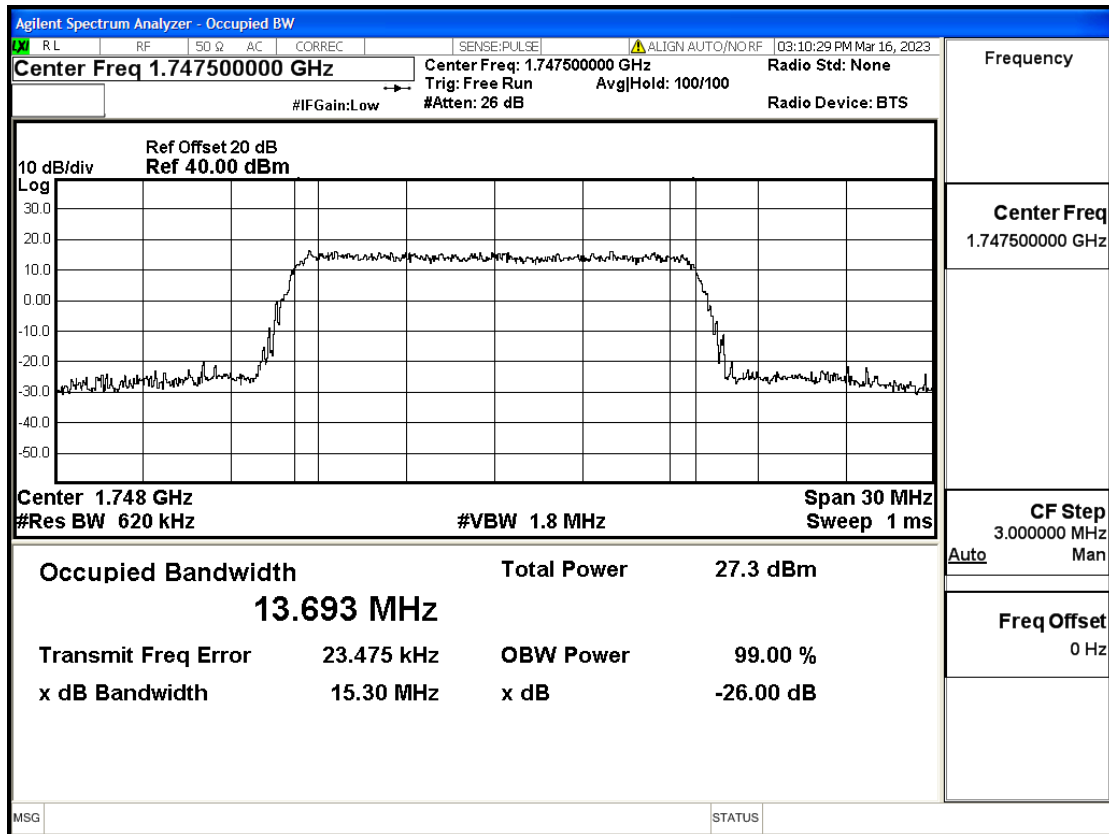
Band4-15-1732.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



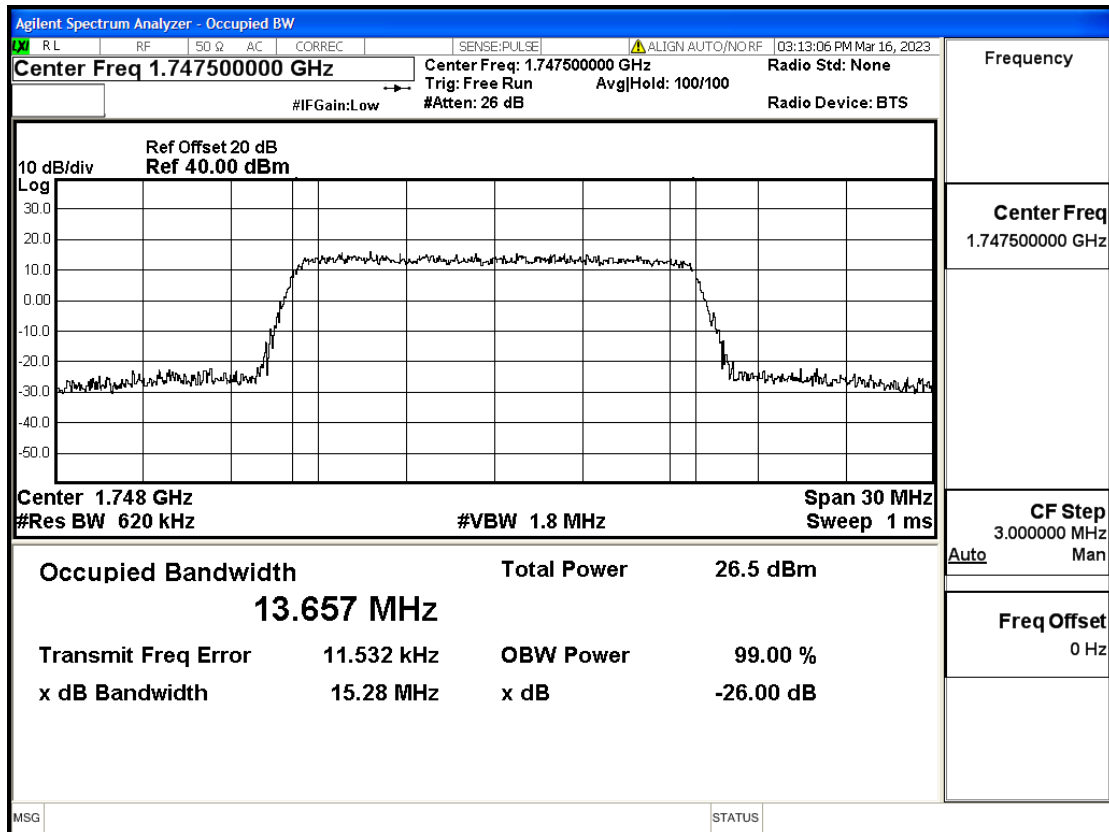
Band4-15-1732.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



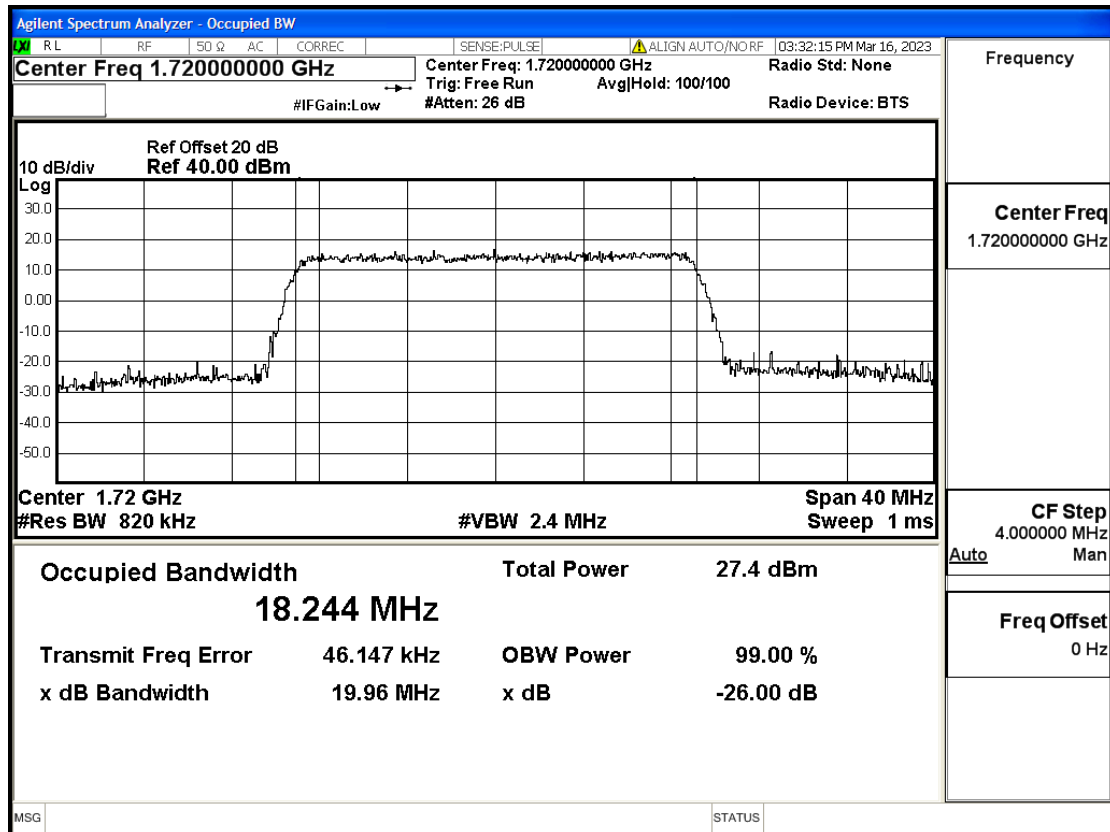
Band4-15-1747.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



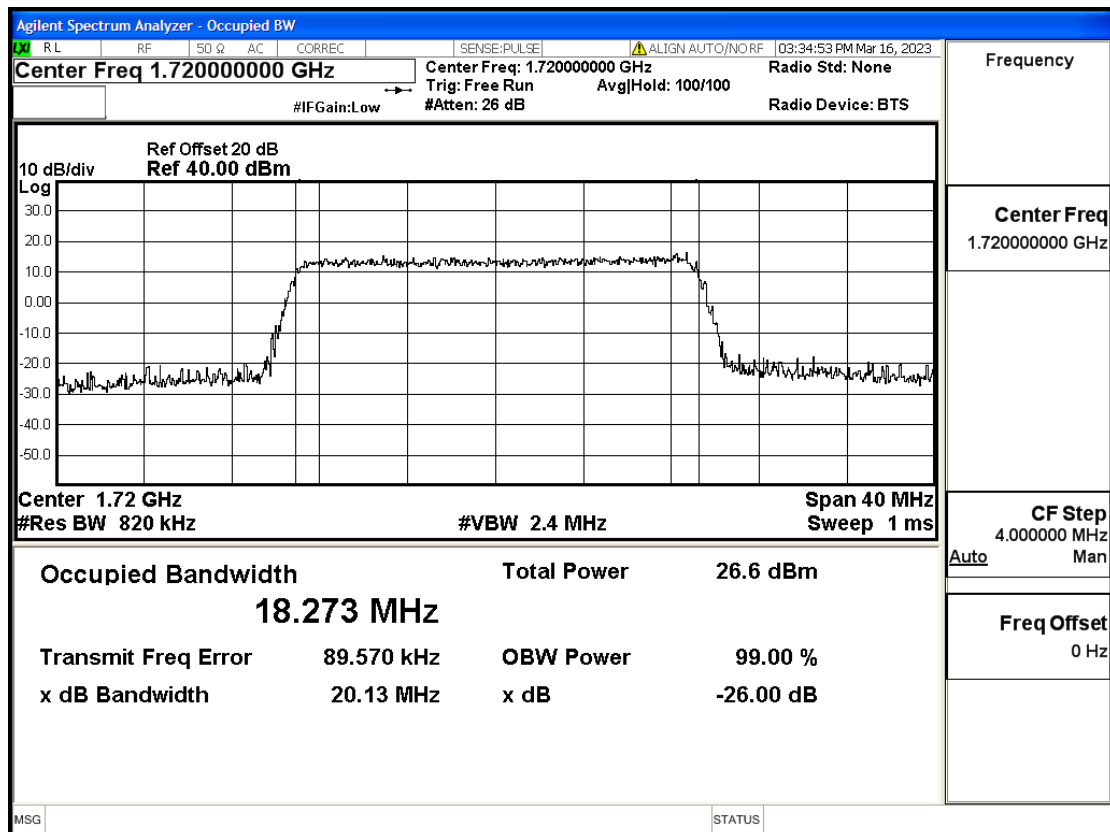
Band4-15-1747.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



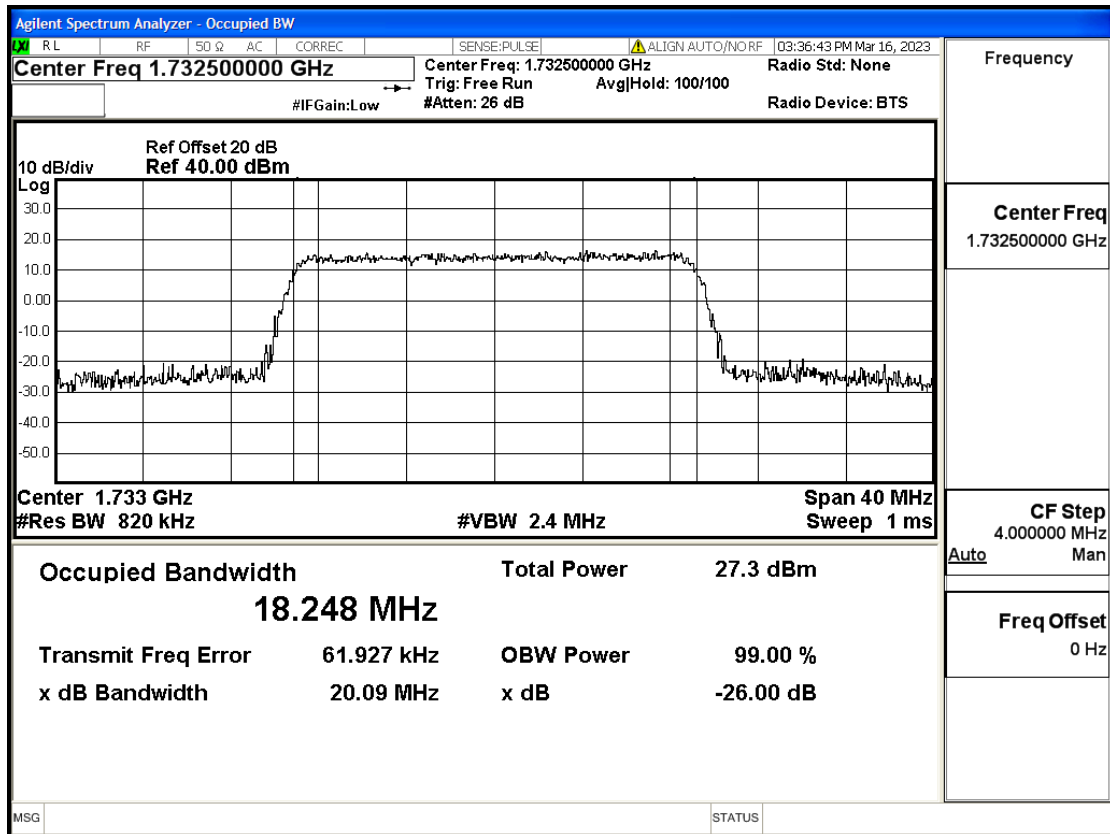
Band4-20-1720-QPSK-100#LOW@26dB and 99PCT Bandwidth



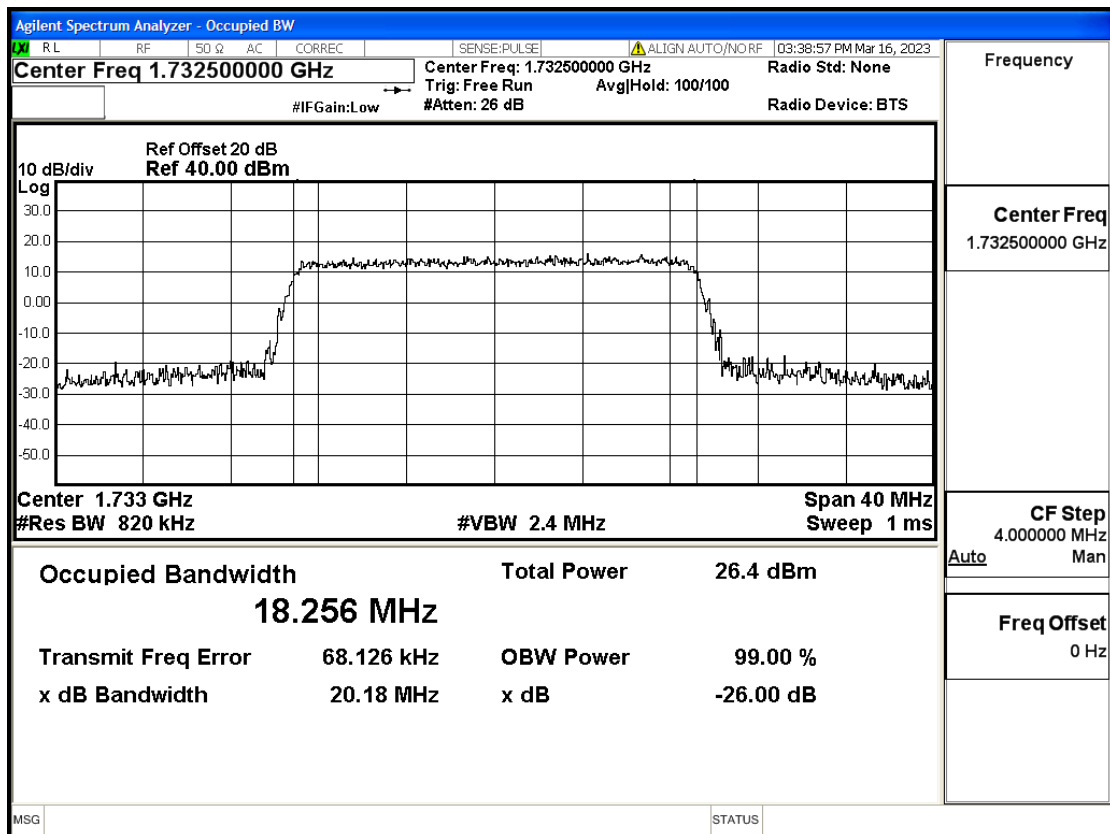
Band4-20-1720-16QAM-100#LOW@26dB and 99PCT Bandwidth



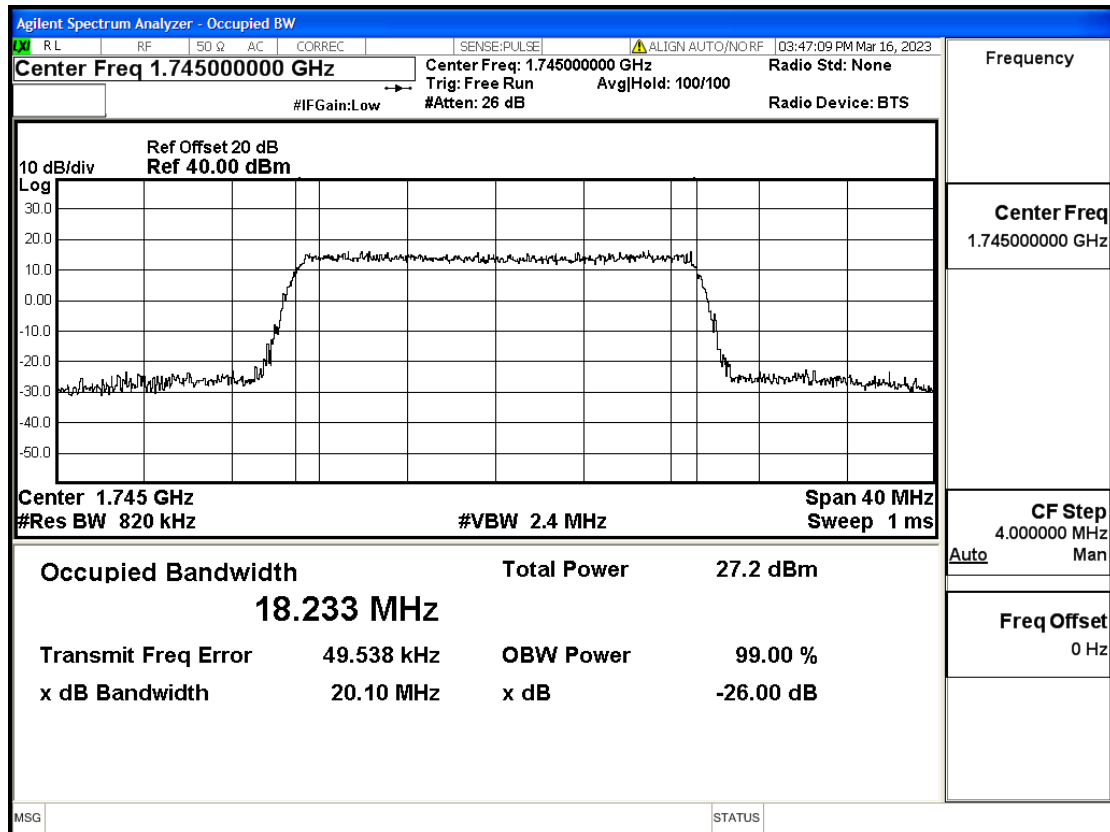
Band4-20-1732.5-QPSK-100#LOW@26dB and 99PCT Bandwidth



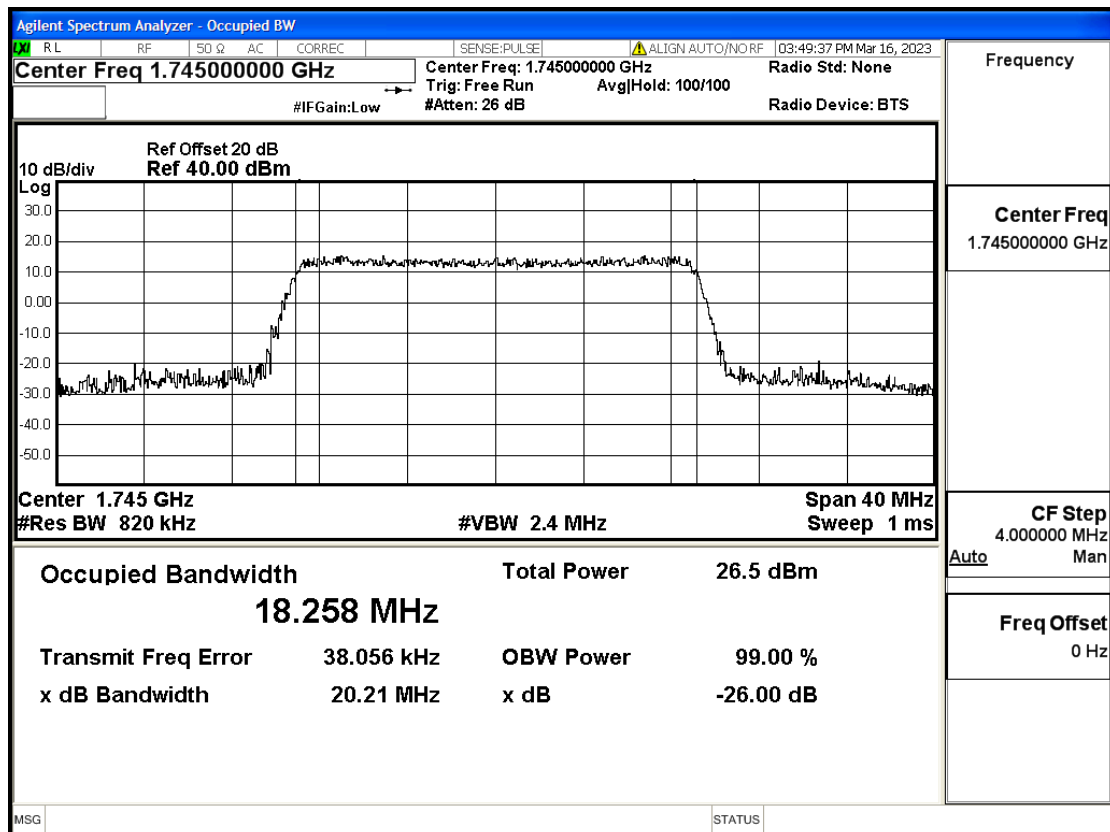
Band4-20-1732.5-16QAM-100#LOW@26dB and 99PCT Bandwidth



Band4-20-1745-QPSK-100#LOW@26dB and 99PCT Bandwidth



Band4-20-1745-16QAM-100#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	0.0648	PASS
40	Normal Voltage	0.0396	
30	Normal Voltage	0.0195	
20(Ref.)	Normal Voltage	0.0288	
10	Normal Voltage	0.0582	
0	Normal Voltage	0.0166	
-10	Normal Voltage	0.0419	
-20	Normal Voltage	0.0359	
-30	Normal Voltage	0.0195	
20	Maximum Voltage	0.0197	
20	Normal Voltage	0.0299	
20	Battery End Point	0.0699	

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	21.65	28.49	6.84	13	0.92	22.57	30	Pass
Band4	1.4	1710.7	QPSK	3	LOW	22.79	29.03	6.24	13	0.92	23.71	30	Pass
Band4	1.4	1710.7	QPSK	3	MID	22.78	29.05	6.27	13	0.92	23.7	30	Pass
Band4	1.4	1710.7	QPSK	3	HIGH	22.73	28.91	6.18	13	0.92	23.65	30	Pass
Band4	1.4	1710.7	QPSK	1	LOW	22.77	28.65	5.88	13	0.92	23.69	30	Pass
Band4	1.4	1710.7	QPSK	1	MID	22.85	28.72	5.87	13	0.92	23.77	30	Pass
Band4	1.4	1710.7	QPSK	1	HIGH	22.84	28.69	5.85	13	0.92	23.76	30	Pass
Band4	1.4	1710.7	16QAM	6	LOW	22.66	28.26	5.6	13	0.92	23.58	30	Pass
Band4	1.4	1710.7	16QAM	3	LOW	21.86	28.26	6.4	13	0.92	22.78	30	Pass
Band4	1.4	1710.7	16QAM	3	MID	21.85	28.23	6.38	13	0.92	22.77	30	Pass
Band4	1.4	1710.7	16QAM	3	HIGH	21.96	28.36	6.4	13	0.92	22.88	30	Pass
Band4	1.4	1710.7	16QAM	1	LOW	22.76	28.58	5.82	13	0.92	23.68	30	Pass
Band4	1.4	1710.7	16QAM	1	MID	22.7	28.56	5.86	13	0.92	23.62	30	Pass
Band4	1.4	1710.7	16QAM	1	HIGH	22.7	28.54	5.84	13	0.92	23.62	30	Pass
Band4	1.4	1732.5	QPSK	6	LOW	21.66	27.35	5.69	13	0.92	22.58	30	Pass
Band4	1.4	1732.5	QPSK	3	LOW	22.56	27.79	5.23	13	0.92	23.48	30	Pass
Band4	1.4	1732.5	QPSK	3	MID	22.74	27.9	5.16	13	0.92	23.66	30	Pass
Band4	1.4	1732.5	QPSK	3	HIGH	22.75	27.91	5.16	13	0.92	23.67	30	Pass
Band4	1.4	1732.5	QPSK	1	LOW	22.69	27.53	4.84	13	0.92	23.61	30	Pass
Band4	1.4	1732.5	QPSK	1	MID	22.68	27.49	4.81	13	0.92	23.6	30	Pass
Band4	1.4	1732.5	QPSK	1	HIGH	22.86	27.64	4.78	13	0.92	23.78	30	Pass
Band4	1.4	1732.5	16QAM	6	LOW	21.2	27.84	6.64	13	0.92	22.12	30	Pass
Band4	1.4	1732.5	16QAM	3	LOW	21.58	27.78	6.2	13	0.92	22.5	30	Pass
Band4	1.4	1732.5	16QAM	3	MID	21.58	27.73	6.15	13	0.92	22.5	30	Pass
Band4	1.4	1732.5	16QAM	3	HIGH	21.61	27.87	6.26	13	0.92	22.53	30	Pass
Band4	1.4	1732.5	16QAM	1	LOW	22.54	27.15	4.61	13	0.92	23.46	30	Pass
Band4	1.4	1732.5	16QAM	1	MID	22.4	27.04	4.64	13	0.92	23.32	30	Pass
Band4	1.4	1732.5	16QAM	1	HIGH	22.56	27.13	4.57	13	0.92	23.48	30	Pass
Band4	1.4	1754.3	QPSK	6	LOW	21.44	27.51	6.07	13	0.92	22.36	30	Pass
Band4	1.4	1754.3	QPSK	3	LOW	22.58	28.41	5.83	13	0.92	23.5	30	Pass
Band4	1.4	1754.3	QPSK	3	MID	22.56	28.36	5.8	13	0.92	23.48	30	Pass
Band4	1.4	1754.3	QPSK	3	HIGH	22.57	28.26	5.69	13	0.92	23.49	30	Pass
Band4	1.4	1754.3	QPSK	1	LOW	22.6	27.79	5.19	13	0.92	23.52	30	Pass
Band4	1.4	1754.3	QPSK	1	MID	22.54	27.7	5.16	13	0.92	23.46	30	Pass
Band4	1.4	1754.3	QPSK	1	HIGH	22.6	27.74	5.14	13	0.92	23.52	30	Pass
Band4	1.4	1754.3	16QAM	6	LOW	21.44	27.51	6.07	13	0.92	22.36	30	Pass
Band4	1.4	1754.3	16QAM	3	LOW	21.31	28.13	6.82	13	0.92	22.23	30	Pass
Band4	1.4	1754.3	16QAM	3	MID	21.3	28.15	6.85	13	0.92	22.22	30	Pass
Band4	1.4	1754.3	16QAM	3	HIGH	21.3	28.09	6.79	13	0.92	22.22	30	Pass
Band4	1.4	1754.3	16QAM	1	LOW	21.73	27.03	5.3	13	0.92	22.65	30	Pass

Band4	1.4	1754.3	16QAM	1	MID	21.78	27.05	5.27	13	0.92	22.7	30	Pass
Band4	1.4	1754.3	16QAM	1	HIGH	21.71	27.02	5.31	13	0.92	22.63	30	Pass
Band4	3	1711.5	QPSK	15	LOW	20.77	28.07	7.3	13	0.92	21.69	30	Pass
Band4	3	1711.5	QPSK	8	LOW	21.59	28	6.41	13	0.92	22.51	30	Pass
Band4	3	1711.5	QPSK	8	MID	21.68	27.96	6.28	13	0.92	22.6	30	Pass
Band4	3	1711.5	QPSK	8	HIGH	21.61	27.96	6.35	13	0.92	22.53	30	Pass
Band4	3	1711.5	QPSK	1	LOW	22.66	27.93	5.27	13	0.92	23.58	30	Pass
Band4	3	1711.5	QPSK	1	MID	22.63	27.91	5.28	13	0.92	23.55	30	Pass
Band4	3	1711.5	QPSK	1	HIGH	22.52	27.81	5.29	13	0.92	23.44	30	Pass
Band4	3	1711.5	16QAM	15	LOW	21.22	28.29	7.07	13	0.92	22.14	30	Pass
Band4	3	1711.5	16QAM	8	LOW	20.97	28.27	7.3	13	0.92	21.89	30	Pass
Band4	3	1711.5	16QAM	8	MID	20.97	28.19	7.22	13	0.92	21.89	30	Pass
Band4	3	1711.5	16QAM	8	HIGH	21.06	28.21	7.15	13	0.92	21.98	30	Pass
Band4	3	1711.5	16QAM	1	LOW	22.11	28.63	6.52	13	0.92	23.03	30	Pass
Band4	3	1711.5	16QAM	1	MID	22.13	28.61	6.48	13	0.92	23.05	30	Pass
Band4	3	1711.5	16QAM	1	HIGH	21.98	28.59	6.61	13	0.92	22.9	30	Pass
Band4	3	1732.5	QPSK	15	LOW	21.56	27.55	5.99	13	0.92	22.48	30	Pass
Band4	3	1732.5	QPSK	8	LOW	21.65	27.69	6.04	13	0.92	22.57	30	Pass
Band4	3	1732.5	QPSK	8	MID	21.65	27.54	5.89	13	0.92	22.57	30	Pass
Band4	3	1732.5	QPSK	8	HIGH	21.7	27.5	5.8	13	0.92	22.62	30	Pass
Band4	3	1732.5	QPSK	1	LOW	22.9	27.67	4.77	13	0.92	23.82	30	Pass
Band4	3	1732.5	QPSK	1	MID	22.97	27.69	4.72	13	0.92	23.89	30	Pass
Band4	3	1732.5	QPSK	1	HIGH	22.92	27.66	4.74	13	0.92	23.84	30	Pass
Band4	3	1732.5	16QAM	15	LOW	21.53	28.84	7.31	13	0.92	22.45	30	Pass
Band4	3	1732.5	16QAM	8	LOW	20.91	27.26	6.35	13	0.92	21.83	30	Pass
Band4	3	1732.5	16QAM	8	MID	20.91	27.39	6.48	13	0.92	21.83	30	Pass
Band4	3	1732.5	16QAM	8	HIGH	20.79	27.07	6.28	13	0.92	21.71	30	Pass
Band4	3	1732.5	16QAM	1	LOW	21.89	26.94	5.05	13	0.92	22.81	30	Pass
Band4	3	1732.5	16QAM	1	MID	21.89	26.66	4.77	13	0.92	22.81	30	Pass
Band4	3	1732.5	16QAM	1	HIGH	21.85	26.76	4.91	13	0.92	22.77	30	Pass
Band4	3	1753.5	QPSK	15	LOW	21.53	28.84	7.31	13	0.92	22.45	30	Pass
Band4	3	1753.5	QPSK	8	LOW	21.52	28.11	6.59	13	0.92	22.44	30	Pass
Band4	3	1753.5	QPSK	8	MID	21.53	28.12	6.59	13	0.92	22.45	30	Pass
Band4	3	1753.5	QPSK	8	HIGH	21.47	27.94	6.47	13	0.92	22.39	30	Pass
Band4	3	1753.5	QPSK	1	LOW	22.6	27.88	5.28	13	0.92	23.52	30	Pass
Band4	3	1753.5	QPSK	1	MID	22.63	27.84	5.21	13	0.92	23.55	30	Pass
Band4	3	1753.5	QPSK	1	HIGH	22.64	27.78	5.14	13	0.92	23.56	30	Pass
Band4	3	1753.5	16QAM	15	LOW	20.57	27.96	7.39	13	0.92	21.49	30	Pass
Band4	3	1753.5	16QAM	8	LOW	20.91	27.76	6.85	13	0.92	21.83	30	Pass
Band4	3	1753.5	16QAM	8	MID	20.82	27.66	6.84	13	0.92	21.74	30	Pass
Band4	3	1753.5	16QAM	8	HIGH	20.98	27.65	6.67	13	0.92	21.9	30	Pass
Band4	3	1753.5	16QAM	1	LOW	21.87	27.17	5.3	13	0.92	22.79	30	Pass
Band4	3	1753.5	16QAM	1	MID	21.79	27.08	5.29	13	0.92	22.71	30	Pass
Band4	3	1753.5	16QAM	1	HIGH	21.63	26.9	5.27	13	0.92	22.55	30	Pass
Band4	5	1712.5	QPSK	25	LOW	20.83	28.23	7.4	13	0.92	21.75	30	Pass
Band4	5	1712.5	QPSK	12	LOW	21.69	27.99	6.3	13	0.92	22.61	30	Pass

Band4	5	1712.5	QPSK	12	MID	21.68	27.96	6.28	13	0.92	22.6	30	Pass
Band4	5	1712.5	QPSK	12	HIGH	21.7	28.06	6.36	13	0.92	22.62	30	Pass
Band4	5	1712.5	QPSK	1	LOW	22.69	28.42	5.73	13	0.92	23.61	30	Pass
Band4	5	1712.5	QPSK	1	MID	22.66	28.37	5.71	13	0.92	23.58	30	Pass
Band4	5	1712.5	QPSK	1	HIGH	22.62	28.37	5.75	13	0.92	23.54	30	Pass
Band4	5	1712.5	16QAM	25	LOW	20.95	26.98	6.03	13	0.92	21.87	30	Pass
Band4	5	1712.5	16QAM	12	LOW	20.62	27.93	7.31	13	0.92	21.54	30	Pass
Band4	5	1712.5	16QAM	12	MID	20.62	27.99	7.37	13	0.92	21.54	30	Pass
Band4	5	1712.5	16QAM	12	HIGH	20.8	28.1	7.3	13	0.92	21.72	30	Pass
Band4	5	1712.5	16QAM	1	LOW	21.34	28.14	6.8	13	0.92	22.26	30	Pass
Band4	5	1712.5	16QAM	1	MID	21.33	28.11	6.78	13	0.92	22.25	30	Pass
Band4	5	1712.5	16QAM	1	HIGH	21.41	28.21	6.8	13	0.92	22.33	30	Pass
Band4	5	1732.5	QPSK	25	LOW	21.63	27.66	6.03	13	0.92	22.55	30	Pass
Band4	5	1732.5	QPSK	12	LOW	21.62	27.96	6.34	13	0.92	22.54	30	Pass
Band4	5	1732.5	QPSK	12	MID	21.61	27.95	6.34	13	0.92	22.53	30	Pass
Band4	5	1732.5	QPSK	12	HIGH	21.7	28.01	6.31	13	0.92	22.62	30	Pass
Band4	5	1732.5	QPSK	1	LOW	22.8	28.03	5.23	13	0.92	23.72	30	Pass
Band4	5	1732.5	QPSK	1	MID	22.7	27.5	4.8	13	0.92	23.62	30	Pass
Band4	5	1732.5	QPSK	1	HIGH	22.77	27.58	4.81	13	0.92	23.69	30	Pass
Band4	5	1732.5	16QAM	25	LOW	21	28.23	7.23	13	0.92	21.92	30	Pass
Band4	5	1732.5	16QAM	12	LOW	20.95	27.53	6.58	13	0.92	21.87	30	Pass
Band4	5	1732.5	16QAM	12	MID	20.96	27.6	6.64	13	0.92	21.88	30	Pass
Band4	5	1732.5	16QAM	12	HIGH	20.79	27.39	6.6	13	0.92	21.71	30	Pass
Band4	5	1732.5	16QAM	1	LOW	21.89	27.44	5.55	13	0.92	22.81	30	Pass
Band4	5	1732.5	16QAM	1	MID	21.84	27.31	5.47	13	0.92	22.76	30	Pass
Band4	5	1732.5	16QAM	1	HIGH	21.97	27.42	5.45	13	0.92	22.89	30	Pass
Band4	5	1752.5	QPSK	25	LOW	21.43	27.65	6.22	13	0.92	22.35	30	Pass
Band4	5	1752.5	QPSK	12	LOW	21.58	27.5	5.92	13	0.92	22.5	30	Pass
Band4	5	1752.5	QPSK	12	MID	21.57	27.76	6.19	13	0.92	22.49	30	Pass
Band4	5	1752.5	QPSK	12	HIGH	21.46	27.63	6.17	13	0.92	22.38	30	Pass
Band4	5	1752.5	QPSK	1	LOW	22.27	28.01	5.74	13	0.92	23.19	30	Pass
Band4	5	1752.5	QPSK	1	MID	22.44	28.02	5.58	13	0.92	23.36	30	Pass
Band4	5	1752.5	QPSK	1	HIGH	22.38	27.91	5.53	13	0.92	23.3	30	Pass
Band4	5	1752.5	16QAM	25	LOW	20.35	28.14	7.79	13	0.92	21.27	30	Pass
Band4	5	1752.5	16QAM	12	LOW	20.47	27.75	7.28	13	0.92	21.39	30	Pass
Band4	5	1752.5	16QAM	12	MID	20.61	27.77	7.16	13	0.92	21.53	30	Pass
Band4	5	1752.5	16QAM	12	HIGH	20.36	27.62	7.26	13	0.92	21.28	30	Pass
Band4	5	1752.5	16QAM	1	LOW	21.08	27.88	6.8	13	0.92	22	30	Pass
Band4	5	1752.5	16QAM	1	MID	21.03	27.72	6.69	13	0.92	21.95	30	Pass
Band4	5	1752.5	16QAM	1	HIGH	21.07	27.73	6.66	13	0.92	21.99	30	Pass
Band4	10	1715	QPSK	50	LOW	21.16	28.73	7.57	13	0.92	22.08	30	Pass
Band4	10	1715	QPSK	25	LOW	21.61	28.32	6.71	13	0.92	22.53	30	Pass
Band4	10	1715	QPSK	25	MID	21.59	28.37	6.78	13	0.92	22.51	30	Pass
Band4	10	1715	QPSK	25	HIGH	21.64	28.35	6.71	13	0.92	22.56	30	Pass
Band4	10	1715	QPSK	1	LOW	22.93	28.5	5.57	13	0.92	23.85	30	Pass
Band4	10	1715	QPSK	1	MID	22.87	28.34	5.47	13	0.92	23.79	30	Pass

Band4	10	1715	QPSK	1	HIGH	22.87	28.33	5.46	13	0.92	23.79	30	Pass
Band4	10	1715	16QAM	50	LOW	21.16	28.73	7.57	13	0.92	22.08	30	Pass
Band4	10	1715	16QAM	25	LOW	20.9	28.85	7.95	13	0.92	21.82	30	Pass
Band4	10	1715	16QAM	25	MID	20.91	28.86	7.95	13	0.92	21.83	30	Pass
Band4	10	1715	16QAM	25	HIGH	21.06	28.72	7.66	13	0.92	21.98	30	Pass
Band4	10	1715	16QAM	1	LOW	22.03	27.74	5.71	13	0.92	22.95	30	Pass
Band4	10	1715	16QAM	1	MID	22.64	27.73	5.09	13	0.92	23.56	30	Pass
Band4	10	1715	16QAM	1	HIGH	22.6	27.95	5.35	13	0.92	23.52	30	Pass
Band4	10	1732.5	QPSK	50	LOW	21.57	28	6.43	13	0.92	22.49	30	Pass
Band4	10	1732.5	QPSK	25	LOW	21.6	27.69	6.09	13	0.92	22.52	30	Pass
Band4	10	1732.5	QPSK	25	MID	21.6	27.7	6.1	13	0.92	22.52	30	Pass
Band4	10	1732.5	QPSK	25	HIGH	21.77	27.7	5.93	13	0.92	22.69	30	Pass
Band4	10	1732.5	QPSK	1	LOW	22.93	27.83	4.9	13	0.92	23.85	30	Pass
Band4	10	1732.5	QPSK	1	MID	22.98	27.62	4.64	13	0.92	23.9	30	Pass
Band4	10	1732.5	QPSK	1	HIGH	22.9	27.75	4.85	13	0.92	23.82	30	Pass
Band4	10	1732.5	16QAM	50	LOW	20.91	28.18	7.27	13	0.92	21.83	30	Pass
Band4	10	1732.5	16QAM	25	LOW	20.93	28	7.07	13	0.92	21.85	30	Pass
Band4	10	1732.5	16QAM	25	MID	20.94	28	7.06	13	0.92	21.86	30	Pass
Band4	10	1732.5	16QAM	25	HIGH	20.78	27.94	7.16	13	0.92	21.7	30	Pass
Band4	10	1732.5	16QAM	1	LOW	22.11	27.59	5.48	13	0.92	23.03	30	Pass
Band4	10	1732.5	16QAM	1	MID	21.91	26.72	4.81	13	0.92	22.83	30	Pass
Band4	10	1732.5	16QAM	1	HIGH	21.94	27.36	5.42	13	0.92	22.86	30	Pass
Band4	10	1750	QPSK	50	LOW	21.5	28.27	6.77	13	0.92	22.42	30	Pass
Band4	10	1750	QPSK	25	LOW	21.59	27.98	6.39	13	0.92	22.51	30	Pass
Band4	10	1750	QPSK	25	MID	21.58	28.05	6.47	13	0.92	22.5	30	Pass
Band4	10	1750	QPSK	25	HIGH	21.54	27.94	6.4	13	0.92	22.46	30	Pass
Band4	10	1750	QPSK	1	LOW	22.78	28.15	5.37	13	0.92	23.7	30	Pass
Band4	10	1750	QPSK	1	MID	22.59	27.98	5.39	13	0.92	23.51	30	Pass
Band4	10	1750	QPSK	1	HIGH	22.56	27.96	5.4	13	0.92	23.48	30	Pass
Band4	10	1750	16QAM	50	LOW	20.54	28.22	7.68	13	0.92	21.46	30	Pass
Band4	10	1750	16QAM	25	LOW	20.7	28.42	7.72	13	0.92	21.62	30	Pass
Band4	10	1750	16QAM	25	MID	20.71	28.27	7.56	13	0.92	21.63	30	Pass
Band4	10	1750	16QAM	25	HIGH	20.6	28.34	7.74	13	0.92	21.52	30	Pass
Band4	10	1750	16QAM	1	LOW	22.66	28.31	5.65	13	0.92	23.58	30	Pass
Band4	10	1750	16QAM	1	MID	22.75	27.68	4.93	13	0.92	23.67	30	Pass
Band4	10	1750	16QAM	1	HIGH	22.61	28.21	5.6	13	0.92	23.53	30	Pass
Band4	15	1717.5	QPSK	75	LOW	20.97	28.55	7.58	13	0.92	21.89	30	Pass
Band4	15	1717.5	QPSK	38	LOW	20.89	28.46	7.57	13	0.92	21.81	30	Pass
Band4	15	1717.5	QPSK	38	MID	20.88	28.44	7.56	13	0.92	21.8	30	Pass
Band4	15	1717.5	QPSK	38	HIGH	20.87	28.48	7.61	13	0.92	21.79	30	Pass
Band4	15	1717.5	QPSK	1	LOW	22.64	27.78	5.14	13	0.92	23.56	30	Pass
Band4	15	1717.5	QPSK	1	MID	22.53	27.54	5.01	13	0.92	23.45	30	Pass
Band4	15	1717.5	QPSK	1	HIGH	22.62	27.35	4.73	13	0.92	23.54	30	Pass
Band4	15	1717.5	16QAM	75	LOW	21.9	28.37	6.47	13	0.92	22.82	30	Pass
Band4	15	1717.5	16QAM	38	LOW	20.82	28.39	7.57	13	0.92	21.74	30	Pass
Band4	15	1717.5	16QAM	38	MID	20.81	28.37	7.56	13	0.92	21.73	30	Pass

Band4	15	1717.5	16QAM	38	HIGH	20.81	28.4	7.59	13	0.92	21.73	30	Pass
Band4	15	1717.5	16QAM	1	LOW	22.37	28.59	6.22	13	0.92	23.29	30	Pass
Band4	15	1717.5	16QAM	1	MID	22.35	28.34	5.99	13	0.92	23.27	30	Pass
Band4	15	1717.5	16QAM	1	HIGH	22.41	28.03	5.62	13	0.92	23.33	30	Pass
Band4	15	1732.5	QPSK	75	LOW	21.81	28.43	6.62	13	0.92	22.73	30	Pass
Band4	15	1732.5	QPSK	38	LOW	21.81	28.39	6.58	13	0.92	22.73	30	Pass
Band4	15	1732.5	QPSK	38	MID	21.81	28.43	6.62	13	0.92	22.73	30	Pass
Band4	15	1732.5	QPSK	38	HIGH	21.81	28.45	6.64	13	0.92	22.73	30	Pass
Band4	15	1732.5	QPSK	1	LOW	22.66	27.55	4.89	13	0.92	23.58	30	Pass
Band4	15	1732.5	QPSK	1	MID	22.53	27.1	4.57	13	0.92	23.45	30	Pass
Band4	15	1732.5	QPSK	1	HIGH	22.44	27.24	4.8	13	0.92	23.36	30	Pass
Band4	15	1732.5	16QAM	75	LOW	21	28.16	7.16	13	0.92	21.92	30	Pass
Band4	15	1732.5	16QAM	38	LOW	21.33	28.42	7.09	13	0.92	22.25	30	Pass
Band4	15	1732.5	16QAM	38	MID	21.16	28.28	7.12	13	0.92	22.08	30	Pass
Band4	15	1732.5	16QAM	38	HIGH	21.17	28.3	7.13	13	0.92	22.09	30	Pass
Band4	15	1732.5	16QAM	1	LOW	22.18	27.76	5.58	13	0.92	23.1	30	Pass
Band4	15	1732.5	16QAM	1	MID	22.21	26.86	4.65	13	0.92	23.13	30	Pass
Band4	15	1732.5	16QAM	1	HIGH	22.14	27.39	5.25	13	0.92	23.06	30	Pass
Band4	15	1747.5	QPSK	75	LOW	21.6	28.61	7.01	13	0.92	22.52	30	Pass
Band4	15	1747.5	QPSK	38	LOW	21.7	28.6	6.9	13	0.92	22.62	30	Pass
Band4	15	1747.5	QPSK	38	MID	21.7	28.69	6.99	13	0.92	22.62	30	Pass
Band4	15	1747.5	QPSK	38	HIGH	21.69	28.66	6.97	13	0.92	22.61	30	Pass
Band4	15	1747.5	QPSK	1	LOW	22.66	27.49	4.83	13	0.92	23.58	30	Pass
Band4	15	1747.5	QPSK	1	MID	22.6	27.51	4.91	13	0.92	23.52	30	Pass
Band4	15	1747.5	QPSK	1	HIGH	22.52	27.31	4.79	13	0.92	23.44	30	Pass
Band4	15	1747.5	16QAM	75	LOW	20.53	28.04	7.51	13	0.92	21.45	30	Pass
Band4	15	1747.5	16QAM	38	LOW	20.76	28.2	7.44	13	0.92	21.68	30	Pass
Band4	15	1747.5	16QAM	38	MID	20.77	28.17	7.4	13	0.92	21.69	30	Pass
Band4	15	1747.5	16QAM	38	HIGH	20.84	28.28	7.44	13	0.92	21.76	30	Pass
Band4	15	1747.5	16QAM	1	LOW	22.28	28.11	5.83	13	0.92	23.2	30	Pass
Band4	15	1747.5	16QAM	1	MID	22.18	28.21	6.03	13	0.92	23.1	30	Pass
Band4	15	1747.5	16QAM	1	HIGH	22.03	27.98	5.95	13	0.92	22.95	30	Pass
Band4	20	1720	QPSK	100	LOW	21.51	28.19	6.68	13	0.92	22.43	30	Pass
Band4	20	1720	QPSK	50	LOW	21.53	28.12	6.59	13	0.92	22.45	30	Pass
Band4	20	1720	QPSK	50	MID	21.52	28.13	6.61	13	0.92	22.44	30	Pass
Band4	20	1720	QPSK	50	HIGH	21.53	27.83	6.3	13	0.92	22.45	30	Pass
Band4	20	1720	QPSK	1	LOW	22.75	28.08	5.33	13	0.92	23.67	30	Pass
Band4	20	1720	QPSK	1	MID	22.77	27.76	4.99	13	0.92	23.69	30	Pass
Band4	20	1720	QPSK	1	HIGH	22.64	27.34	4.7	13	0.92	23.56	30	Pass
Band4	20	1720	16QAM	100	LOW	20.68	28.9	8.22	13	0.92	21.6	30	Pass
Band4	20	1720	16QAM	50	LOW	20.72	28.74	8.02	13	0.92	21.64	30	Pass
Band4	20	1720	16QAM	50	MID	20.72	28.75	8.03	13	0.92	21.64	30	Pass
Band4	20	1720	16QAM	50	HIGH	20.7	28.18	7.48	13	0.92	21.62	30	Pass
Band4	20	1720	16QAM	1	LOW	21.64	28.16	6.52	13	0.92	22.56	30	Pass
Band4	20	1720	16QAM	1	MID	21.72	27.48	5.76	13	0.92	22.64	30	Pass
Band4	20	1720	16QAM	1	HIGH	21.59	28	6.41	13	0.92	22.51	30	Pass

Band4	20	1732.5	QPSK	100	LOW	21.55	28.05	6.5	13	0.92	22.47	30	Pass
Band4	20	1732.5	QPSK	50	LOW	21.59	27.69	6.1	13	0.92	22.51	30	Pass
Band4	20	1732.5	QPSK	50	MID	21.58	27.7	6.12	13	0.92	22.5	30	Pass
Band4	20	1732.5	QPSK	50	HIGH	21.53	27.64	6.11	13	0.92	22.45	30	Pass
Band4	20	1732.5	QPSK	1	LOW	22.58	28.15	5.57	13	0.92	23.5	30	Pass
Band4	20	1732.5	QPSK	1	MID	22.64	27.32	4.68	13	0.92	23.56	30	Pass
Band4	20	1732.5	QPSK	1	HIGH	22.59	27.65	5.06	13	0.92	23.51	30	Pass
Band4	20	1732.5	16QAM	100	LOW	21.08	28.3	7.22	13	0.92	22	30	Pass
Band4	20	1732.5	16QAM	50	LOW	20.67	27.76	7.09	13	0.92	21.59	30	Pass
Band4	20	1732.5	16QAM	50	MID	20.67	27.75	7.08	13	0.92	21.59	30	Pass
Band4	20	1732.5	16QAM	50	HIGH	20.96	27.91	6.95	13	0.92	21.88	30	Pass
Band4	20	1732.5	16QAM	1	LOW	22.41	28.05	5.64	13	0.92	23.33	30	Pass
Band4	20	1732.5	16QAM	1	MID	22.36	27.33	4.97	13	0.92	23.28	30	Pass
Band4	20	1732.5	16QAM	1	HIGH	22.29	28.17	5.88	13	0.92	23.21	30	Pass
Band4	20	1745	QPSK	100	LOW	21.38	28.15	6.77	13	0.92	22.3	30	Pass
Band4	20	1745	QPSK	50	LOW	21.48	27.78	6.3	13	0.92	22.4	30	Pass
Band4	20	1745	QPSK	50	MID	21.48	27.7	6.22	13	0.92	22.4	30	Pass
Band4	20	1745	QPSK	50	HIGH	21.38	27.84	6.46	13	0.92	22.3	30	Pass
Band4	20	1745	QPSK	1	LOW	22.84	28.28	5.44	13	0.92	23.76	30	Pass
Band4	20	1745	QPSK	1	MID	22.77	27.6	4.83	13	0.92	23.69	30	Pass
Band4	20	1745	QPSK	1	HIGH	22.65	28.32	5.67	13	0.92	23.57	30	Pass
Band4	20	1745	16QAM	100	LOW	20.62	28.26	7.64	13	0.92	21.54	30	Pass
Band4	20	1745	16QAM	50	LOW	20.96	27.94	6.98	13	0.92	21.88	30	Pass
Band4	20	1745	16QAM	50	MID	21.16	27.99	6.83	13	0.92	22.08	30	Pass
Band4	20	1745	16QAM	50	HIGH	20.86	28.17	7.31	13	0.92	21.78	30	Pass
Band4	20	1745	16QAM	1	LOW	22.19	27.75	5.56	13	0.92	23.11	30	Pass
Band4	20	1745	16QAM	1	MID	22.14	28.11	5.97	13	0.92	23.06	30	Pass
Band4	20	1745	16QAM	1	HIGH	21.89	27.9	6.01	13	0.92	22.81	30	Pass