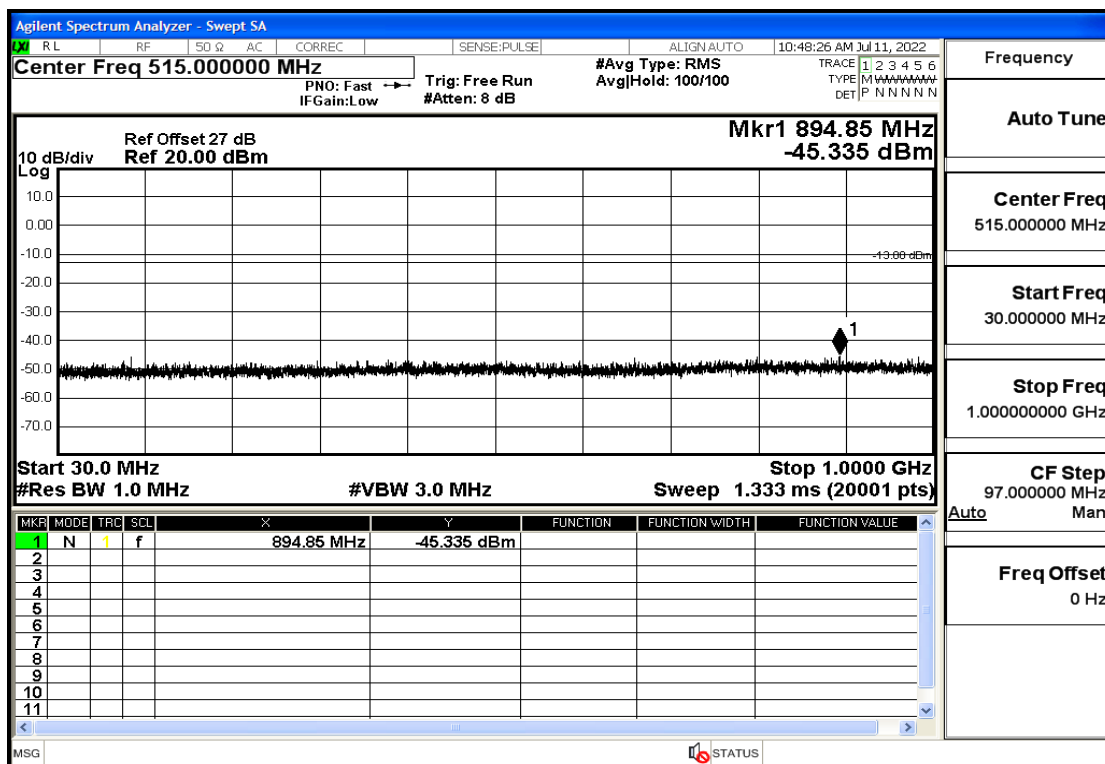
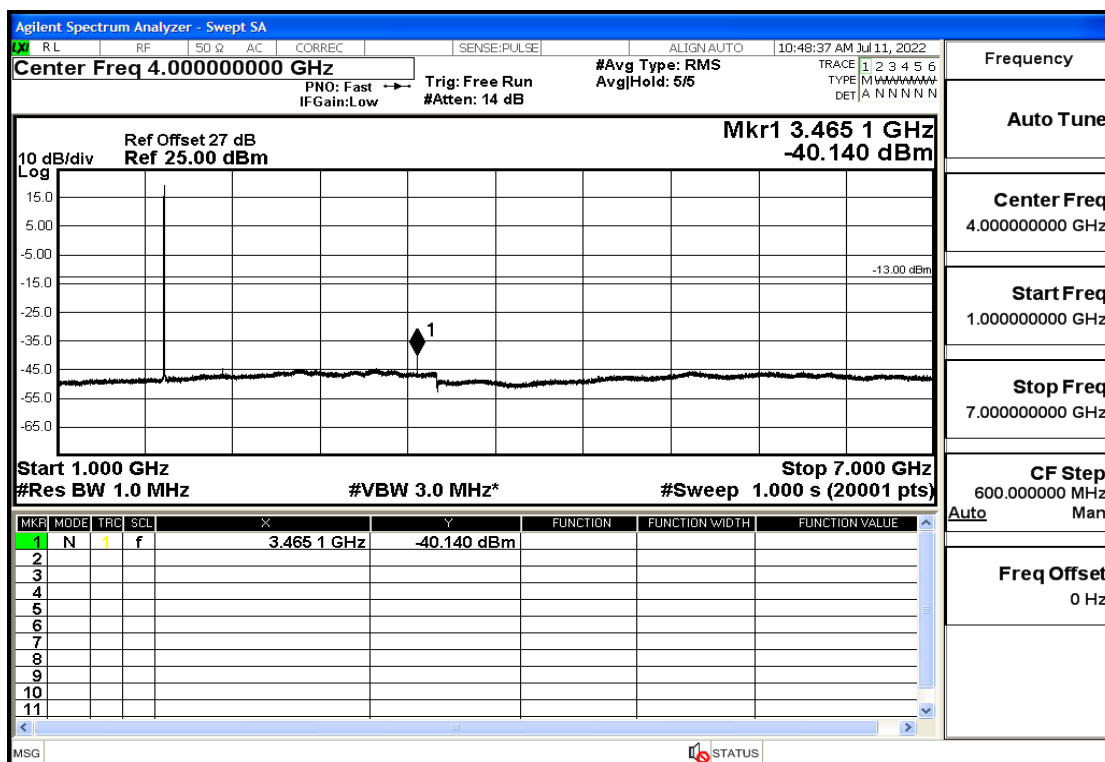


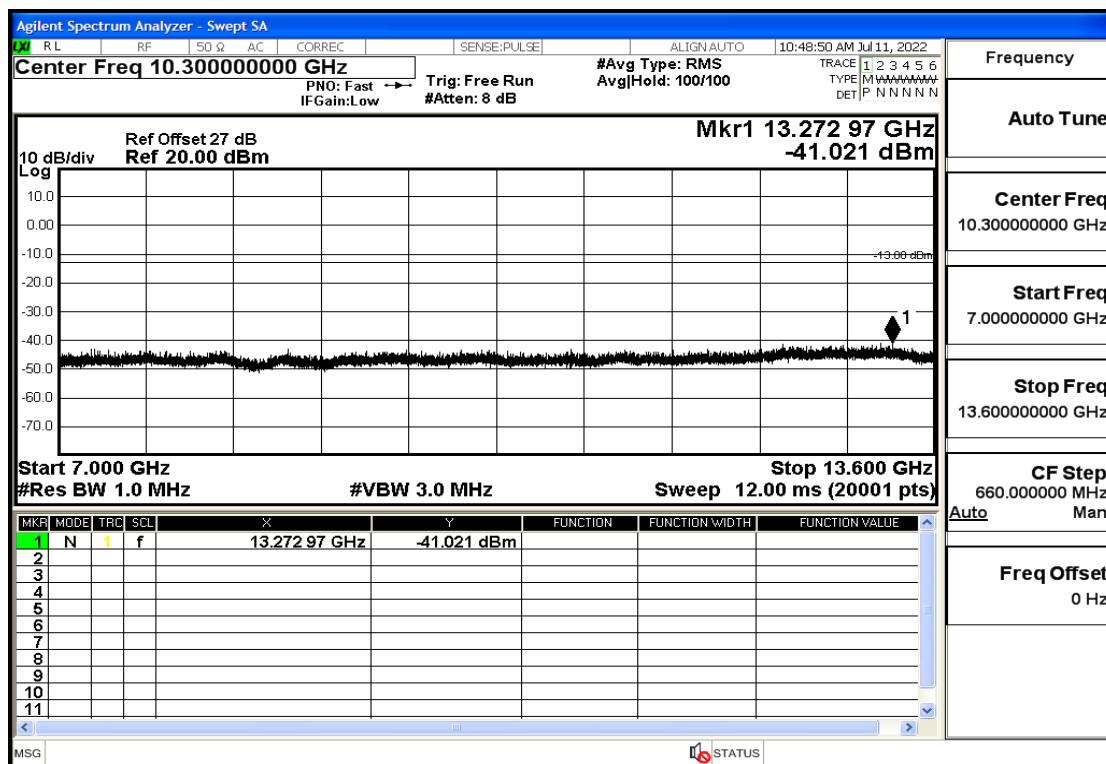
OB4-1.4-1732.5-Q16-6#LOW@30mHz-1GHz@Pass



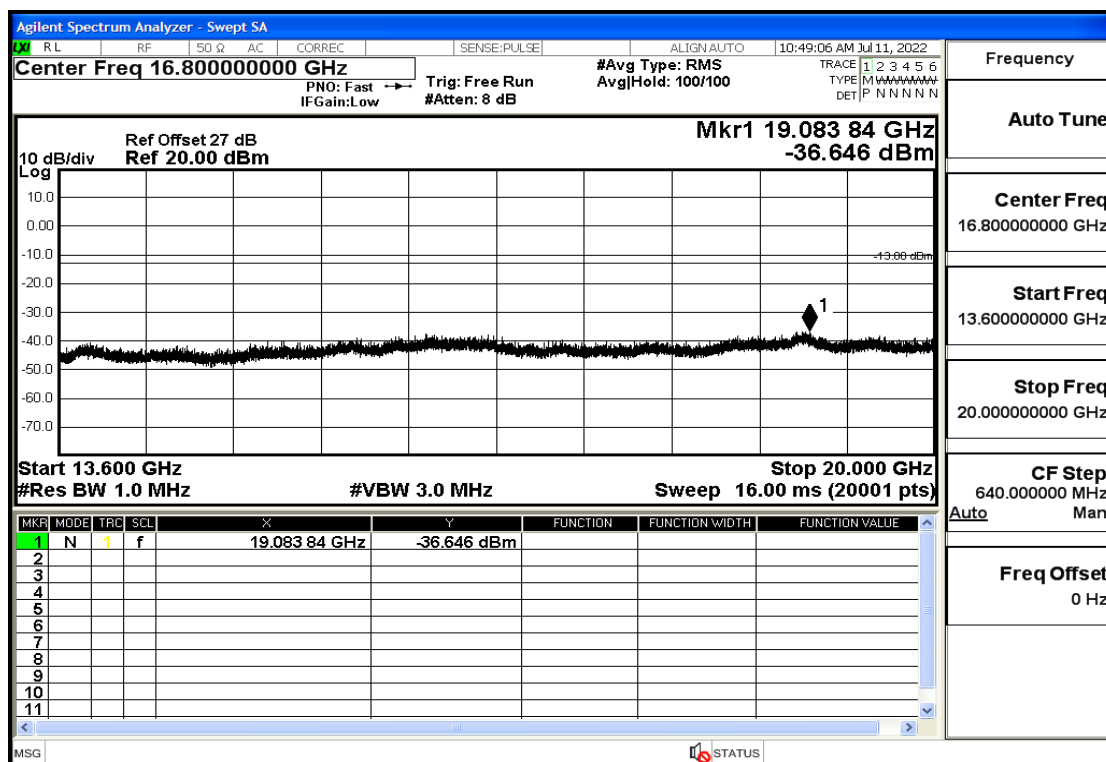
OB4-1.4-1732.5-Q16-6#LOW@1GHz-7GHz@Pass



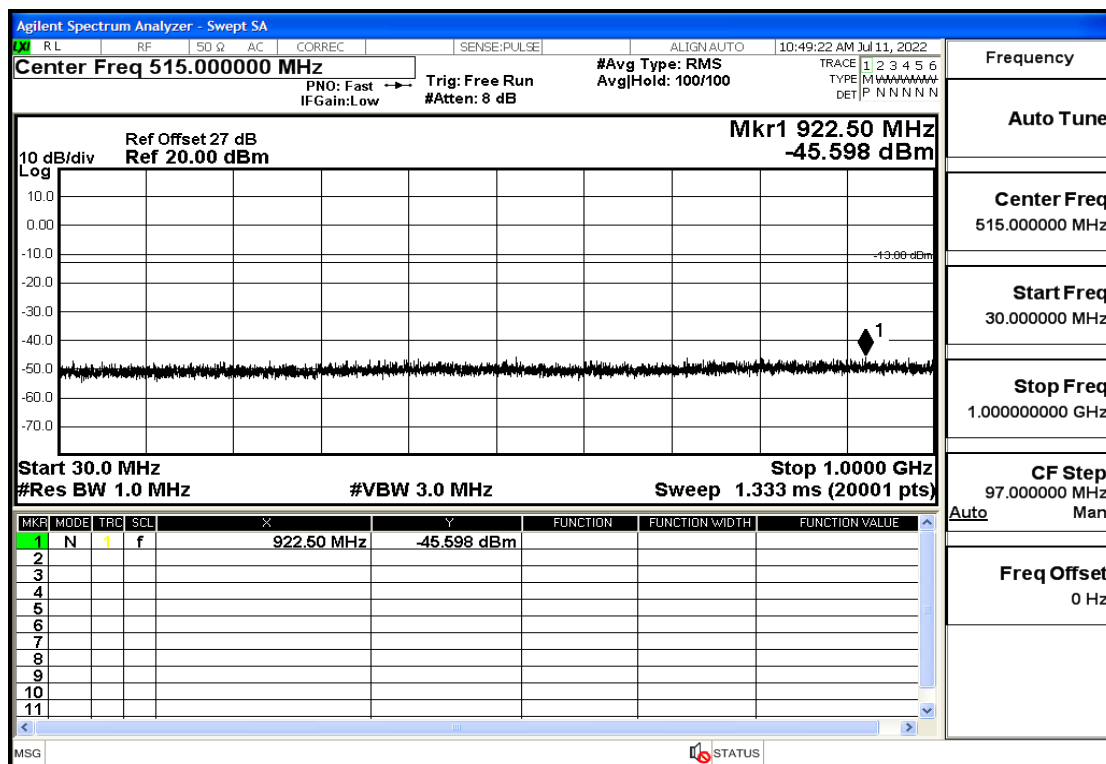
OB4-1.4-1732.5-Q16-6#LOW@7GHz-13.6GHz@Pass



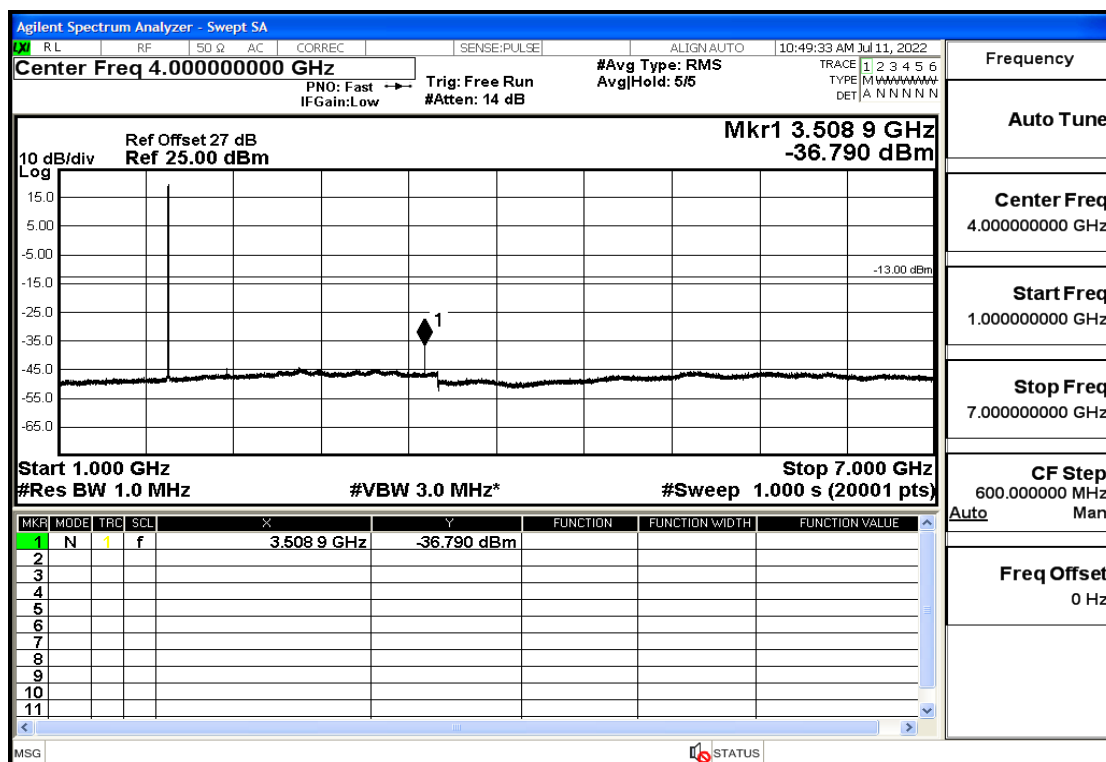
OB4-1.4-1732.5-Q16-6#LOW@13.6GHz-20GHz@Pass



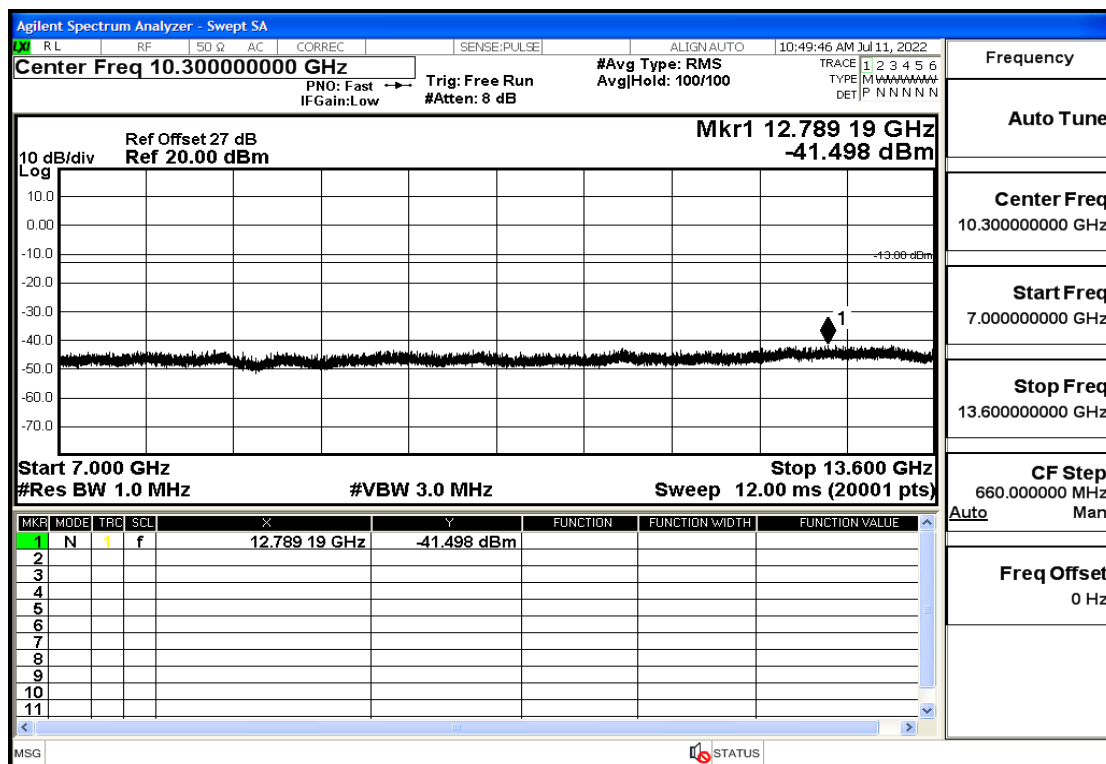
OB4-1.4-1754.3-Q16-6#LOW@30mHz-1GHz@Pass



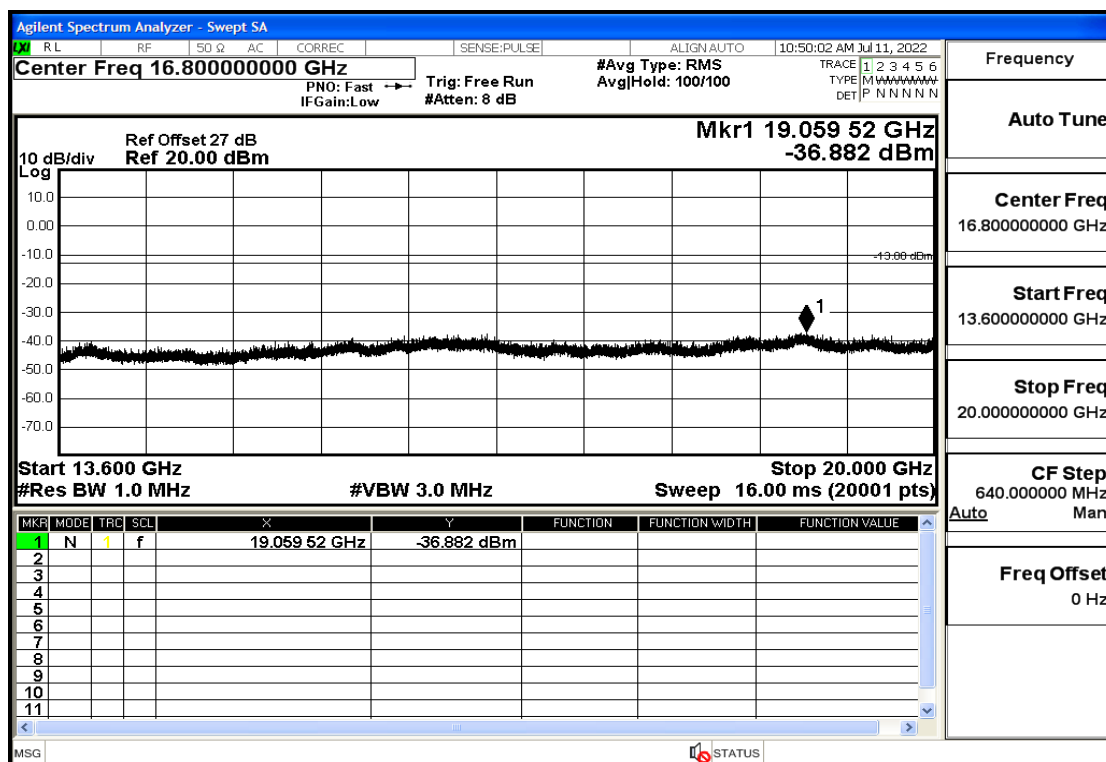
OB4-1.4-1754.3-Q16-6#LOW@1GHz-7GHz@Pass



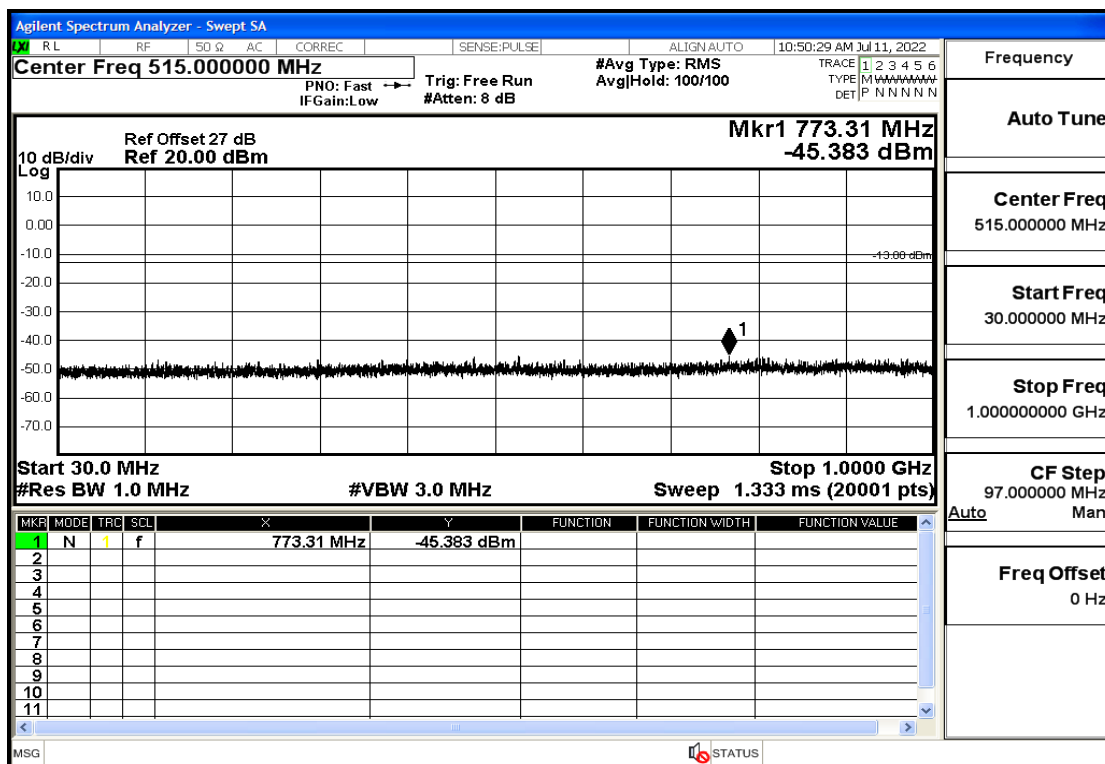
OB4-1.4-1754.3-Q16-6#LOW@7GHz-13.6GHz@Pass



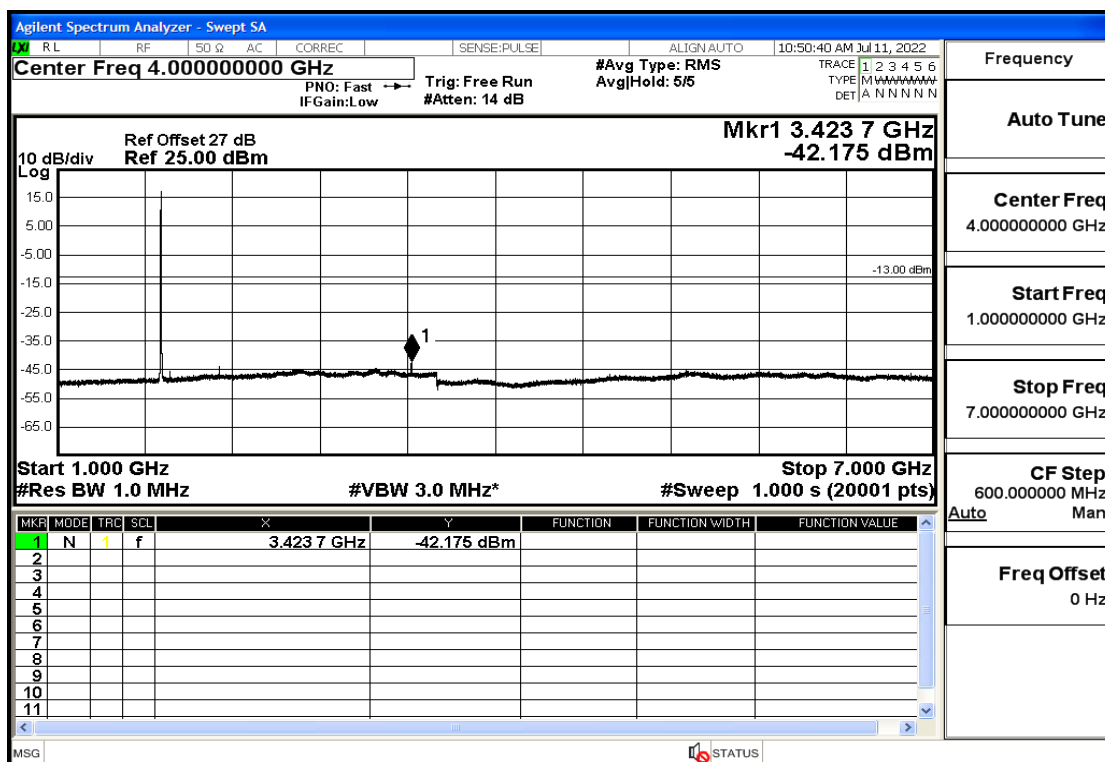
OB4-1.4-1754.3-Q16-6#LOW@13.6GHz-20GHz@Pass



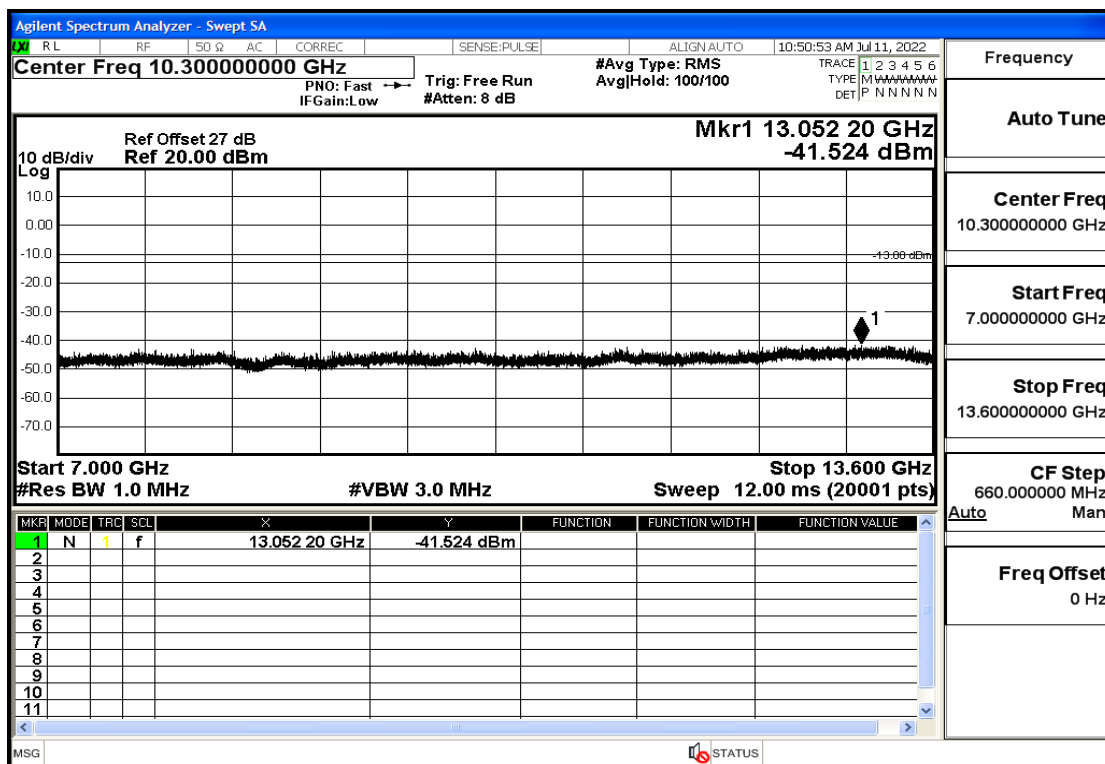
OB4-3-1711.5-Q16-15#LOW@30mHz-1GHz@Pass



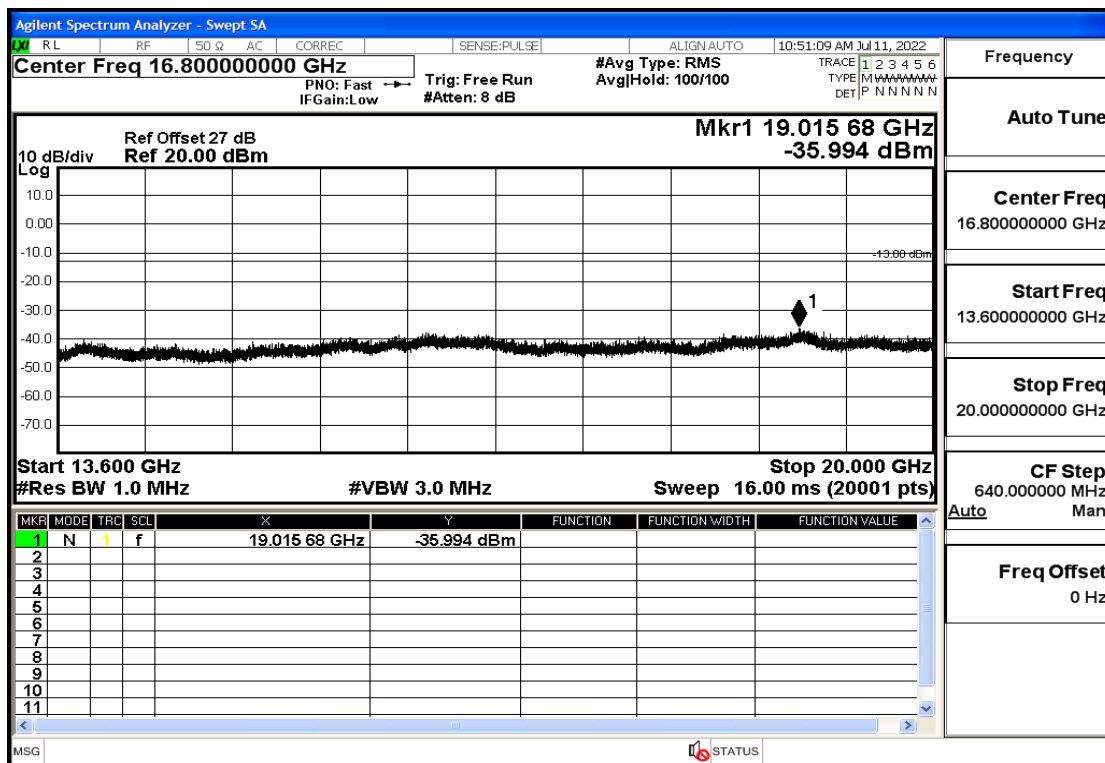
OB4-3-1711.5-Q16-15#LOW@1GHz-7GHz@Pass



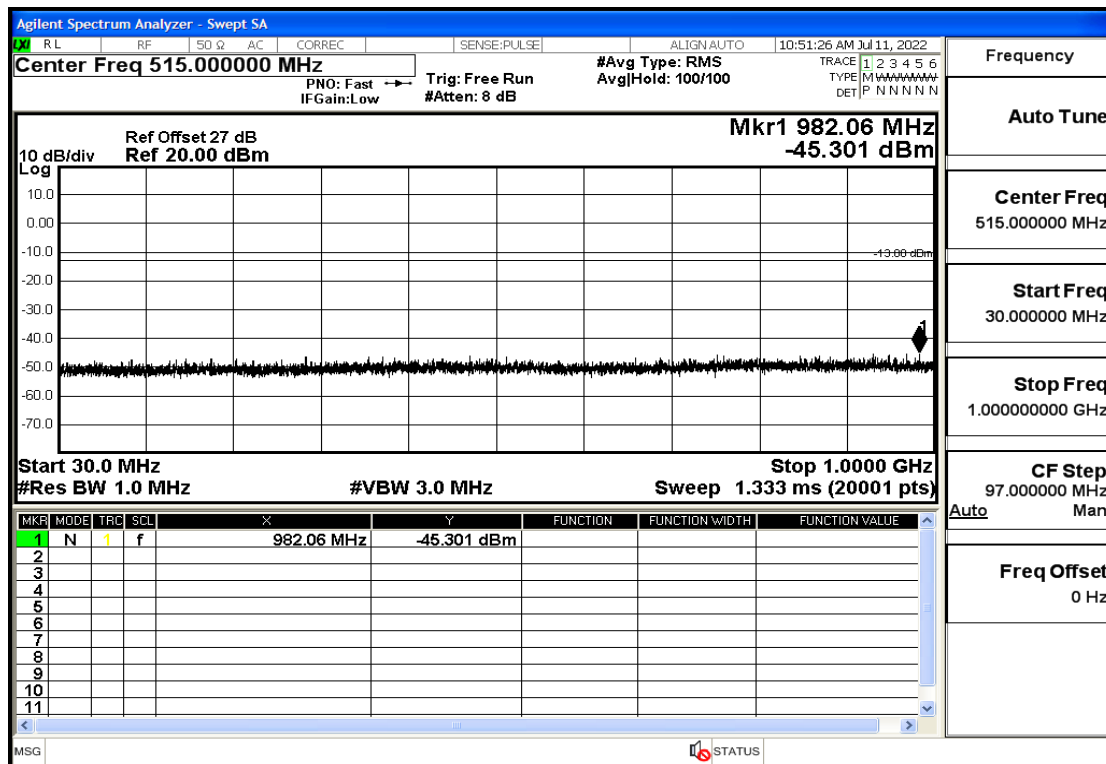
OB4-3-1711.5-Q16-15#LOW@7GHz-13.6GHz@Pass



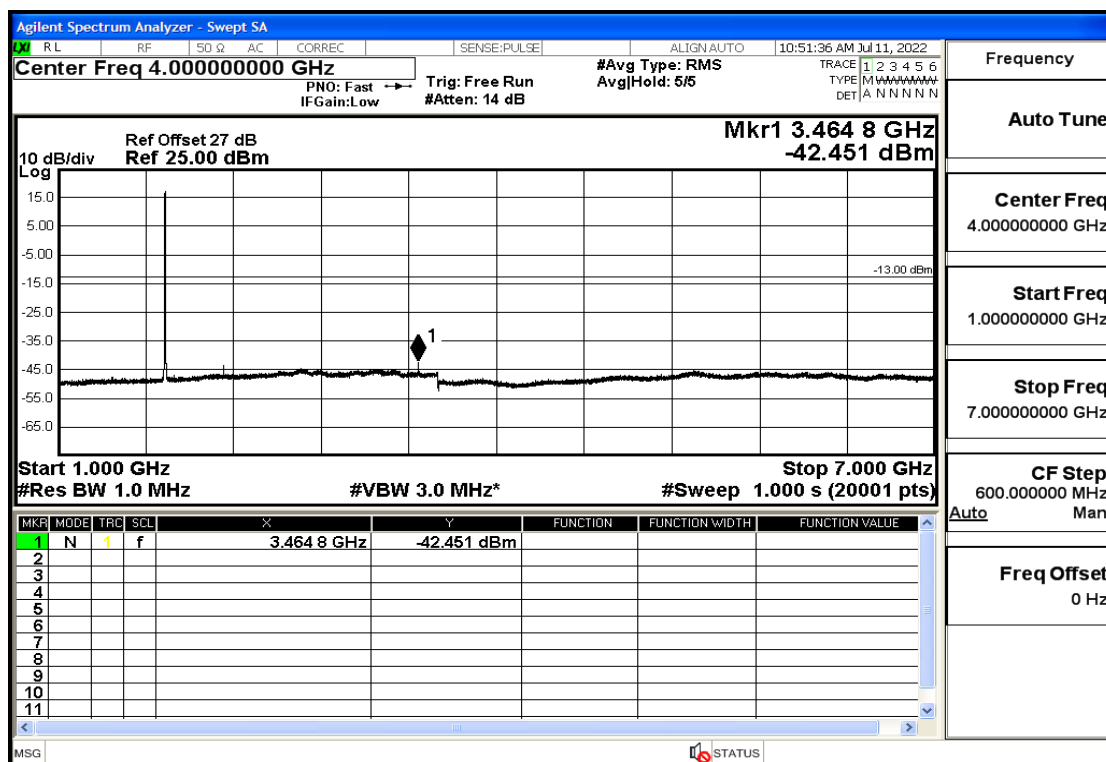
OB4-3-1711.5-Q16-15#LOW@13.6GHz-20GHz@Pass



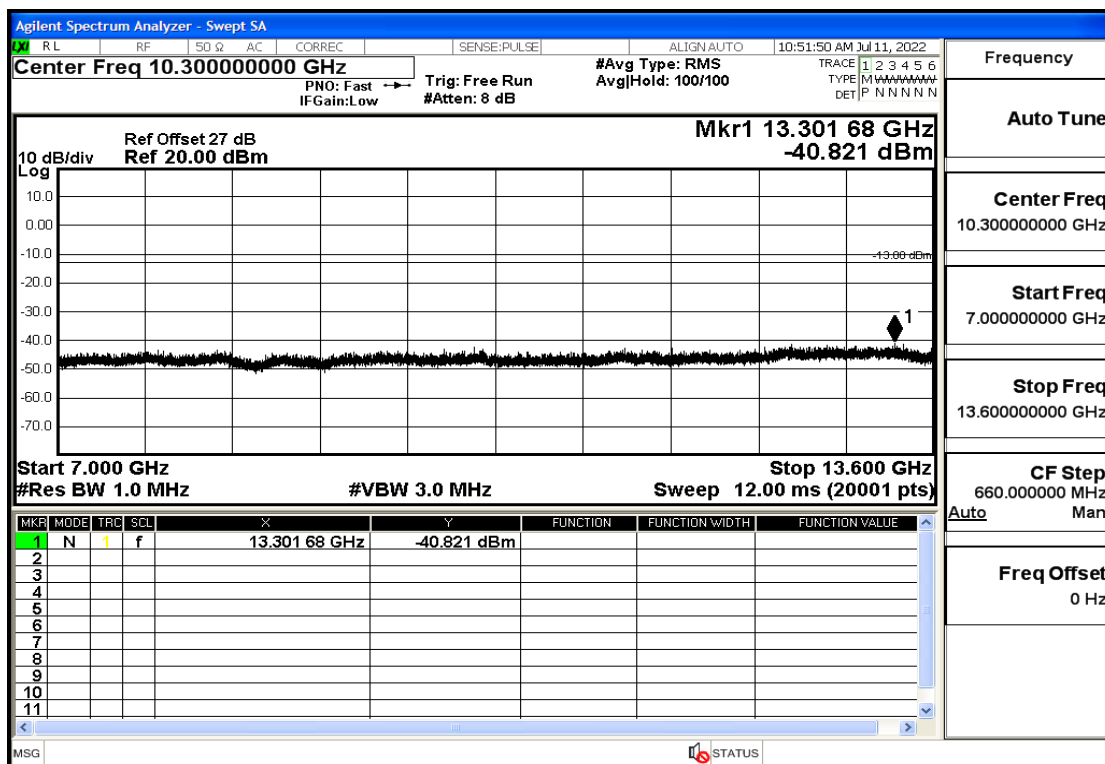
OB4-3-1732.5-Q16-15#LOW@30mHz-1GHz@Pass



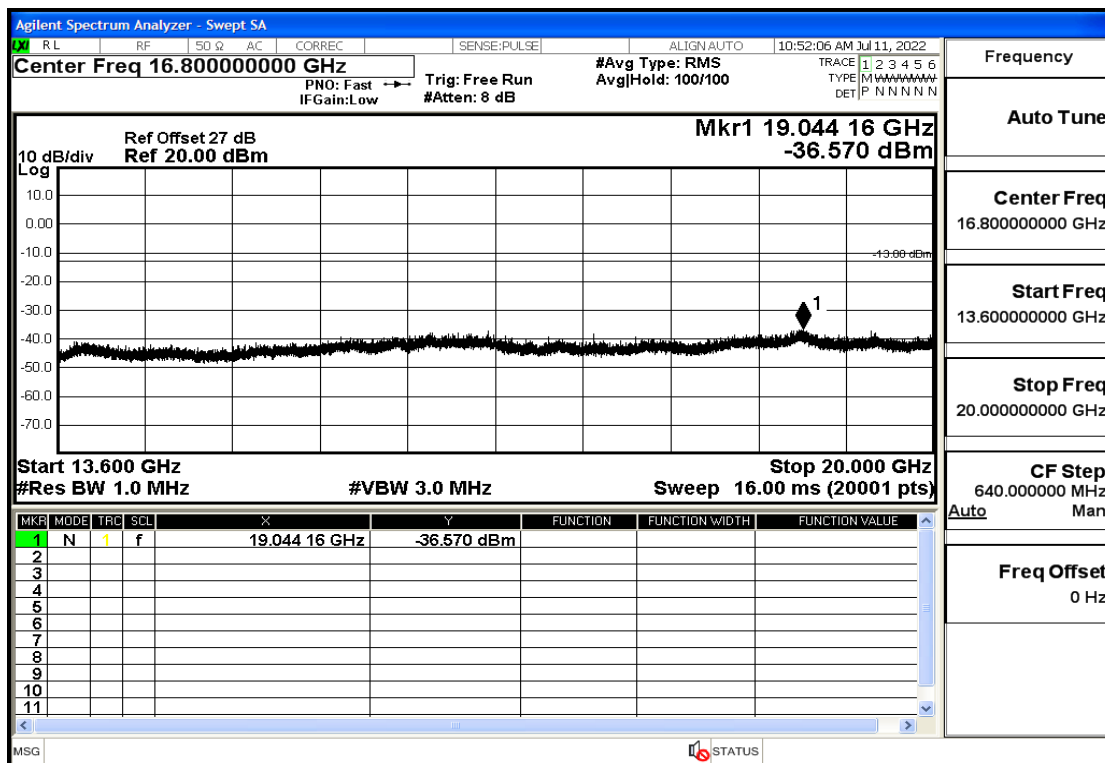
OB4-3-1732.5-Q16-15#LOW@1GHz-7GHz@Pass



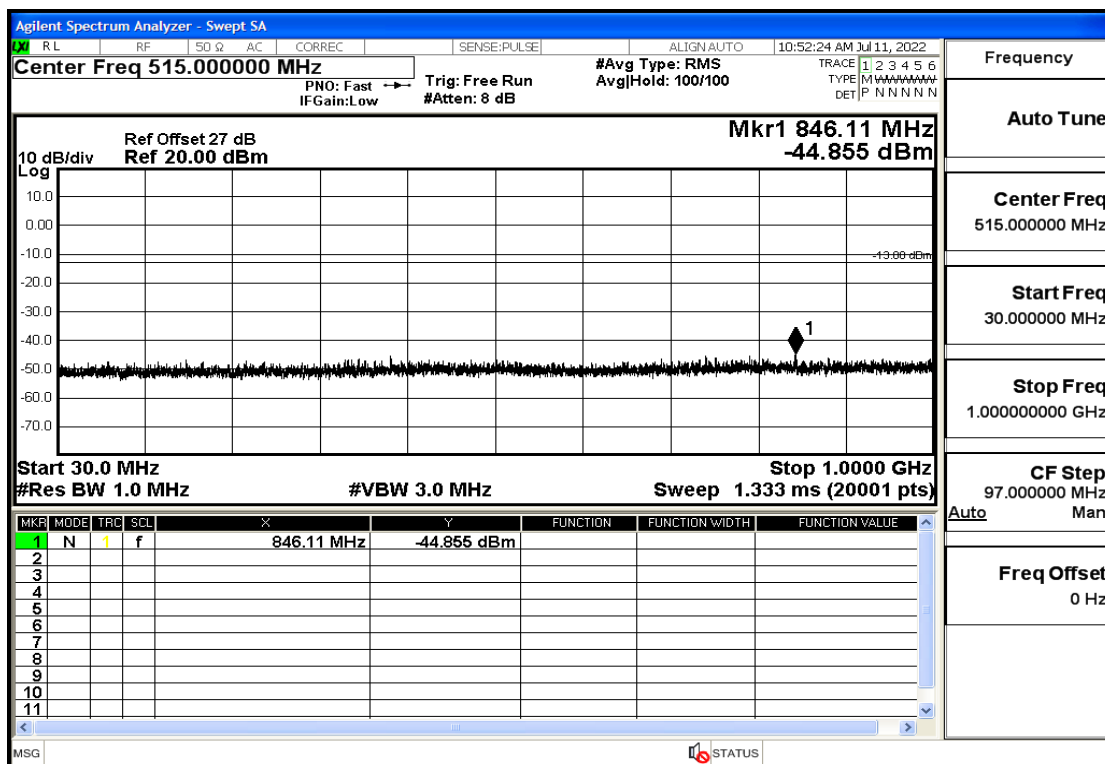
OB4-3-1732.5-Q16-15#LOW@7GHz-13.6GHz@Pass



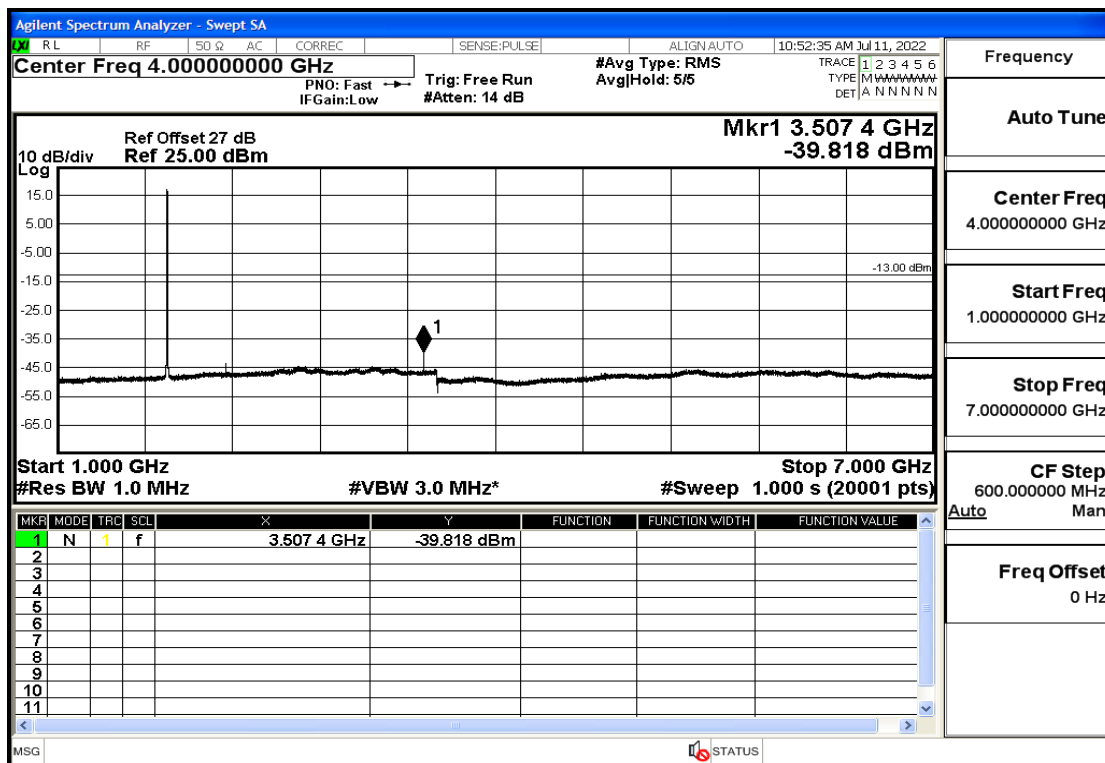
OB4-3-1732.5-Q16-15#LOW@13.6GHz-20GHz@Pass



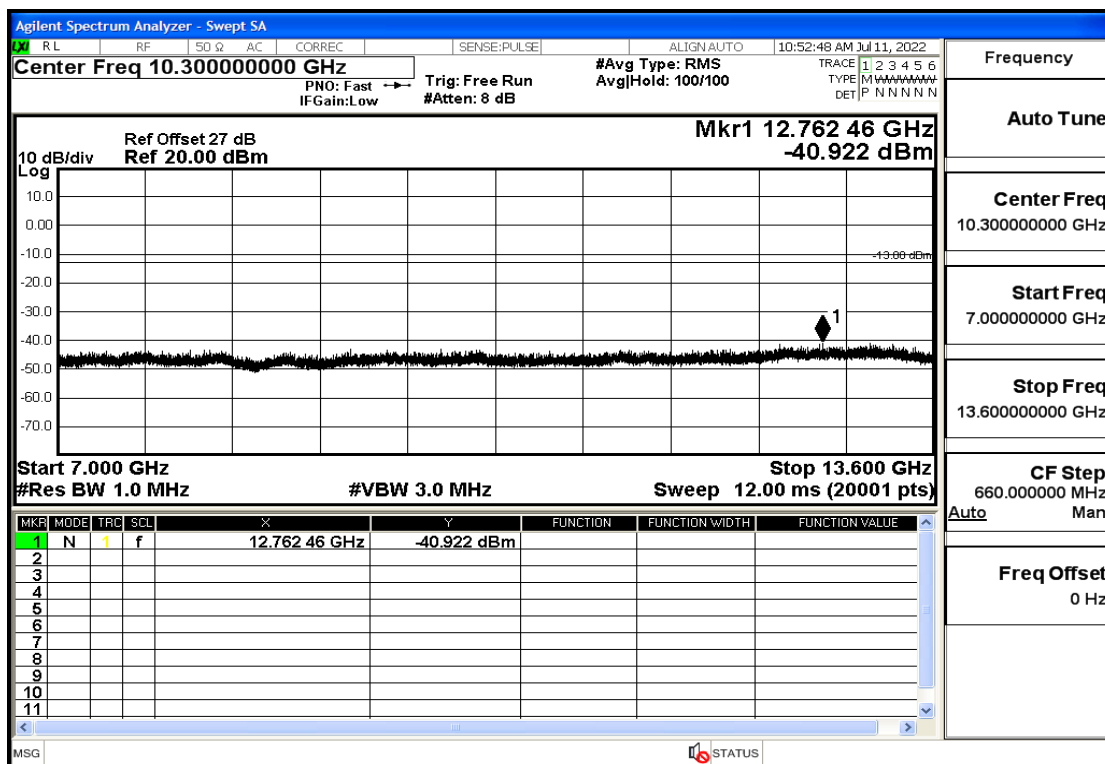
OB4-3-1753.5-Q16-15#LOW@30mHz-1GHz@Pass



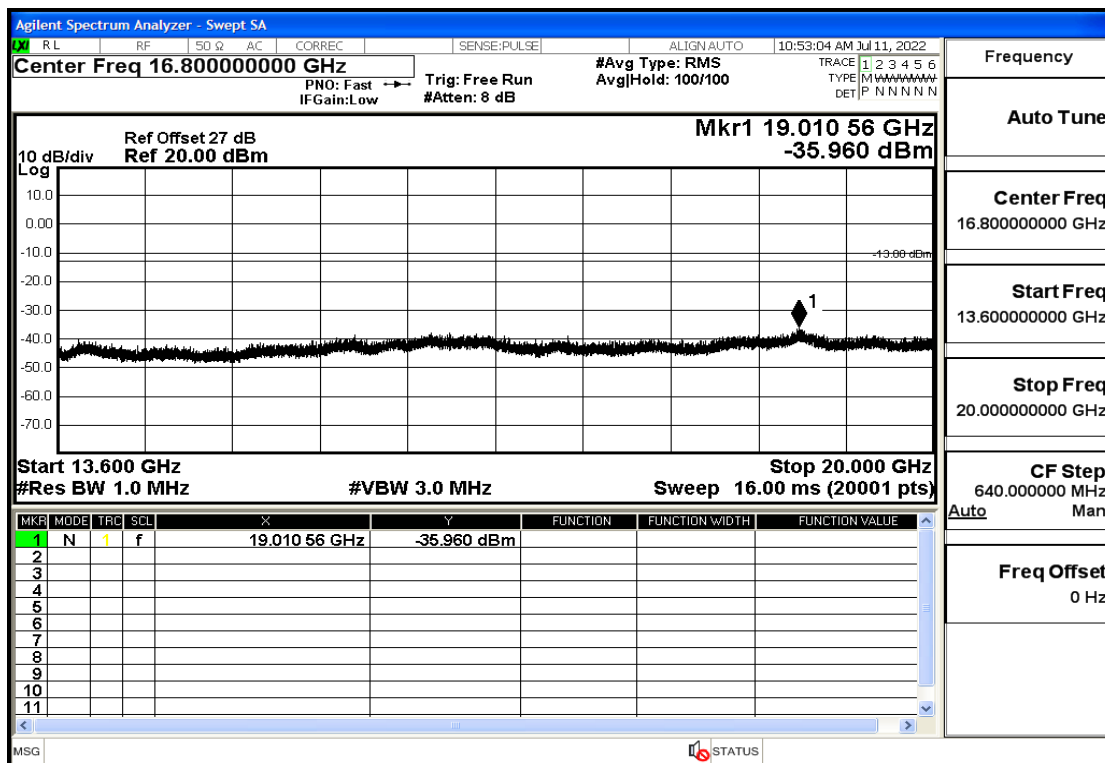
OB4-3-1753.5-Q16-15#LOW@1GHz-7GHz@Pass



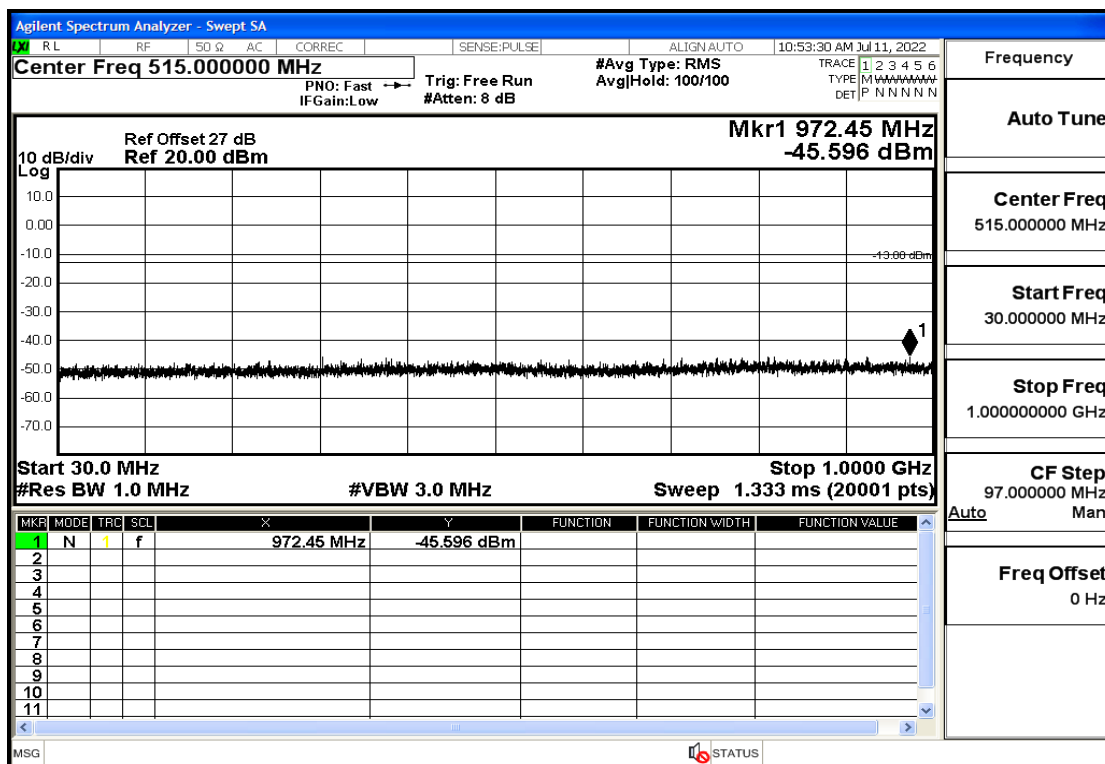
OB4-3-1753.5-Q16-15#LOW@7GHz-13.6GHz@Pass



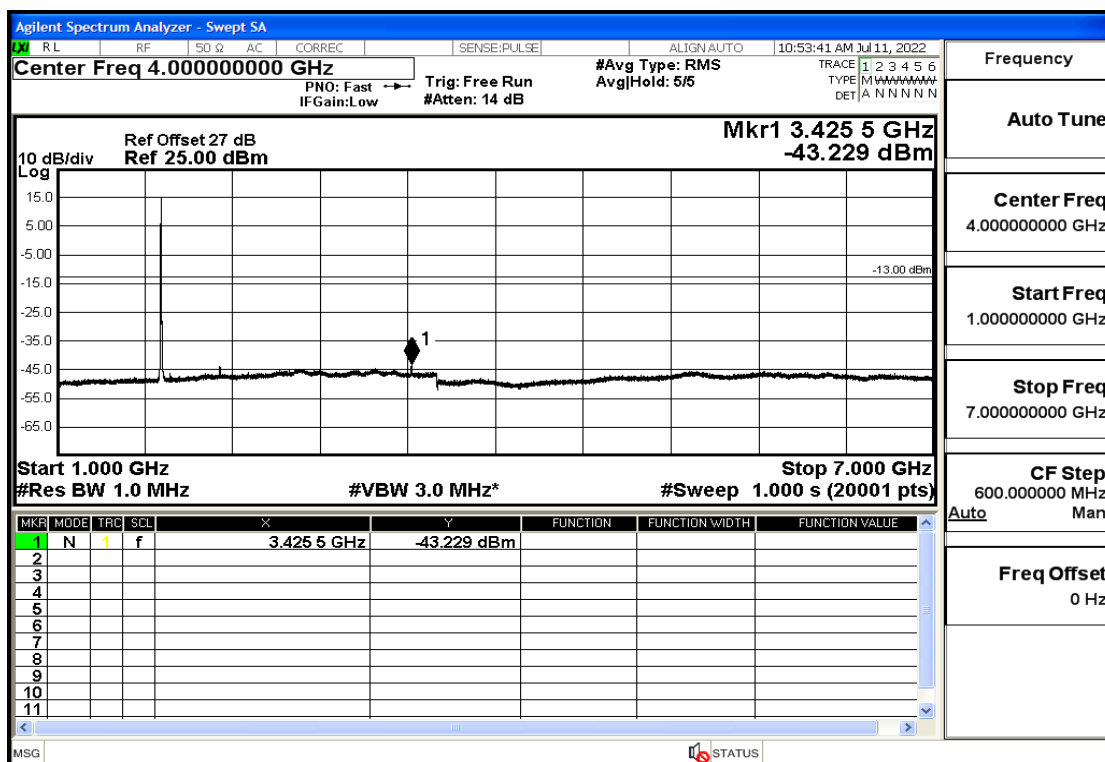
OB4-3-1753.5-Q16-15#LOW@13.6GHz-20GHz@Pass



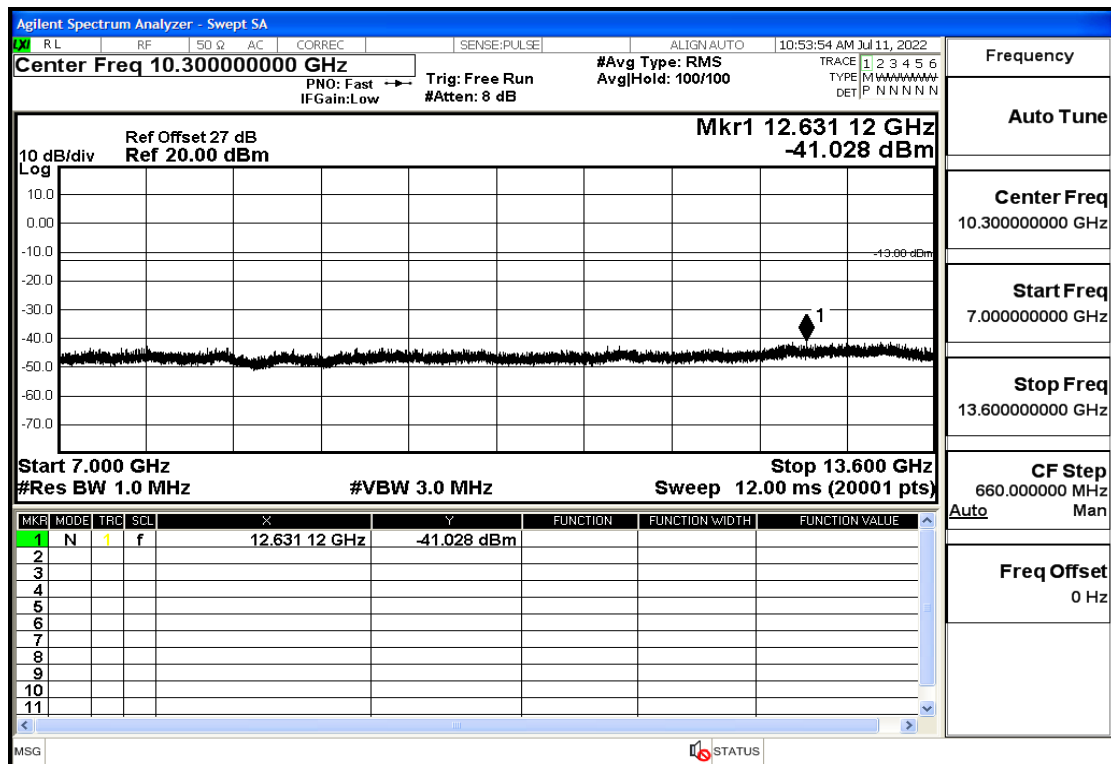
OB4-5-1712.5-Q16-25#LOW@30mHz-1GHz@Pass



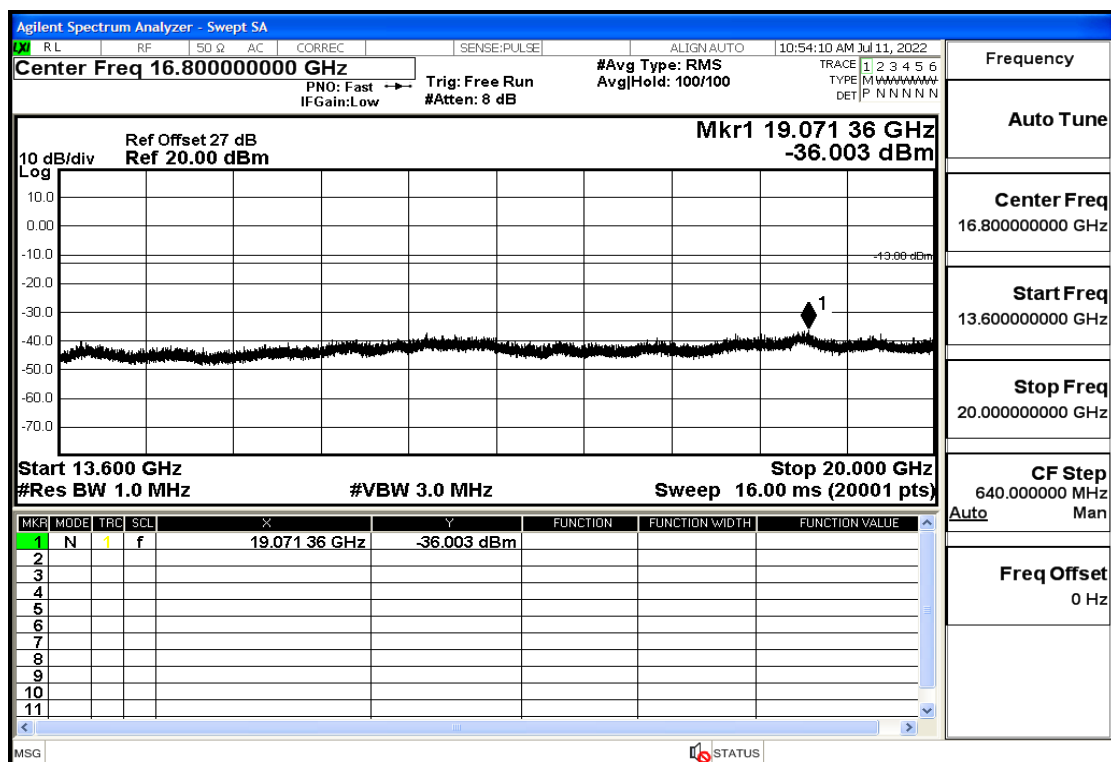
OB4-5-1712.5-Q16-25#LOW@1GHz-7GHz@Pass



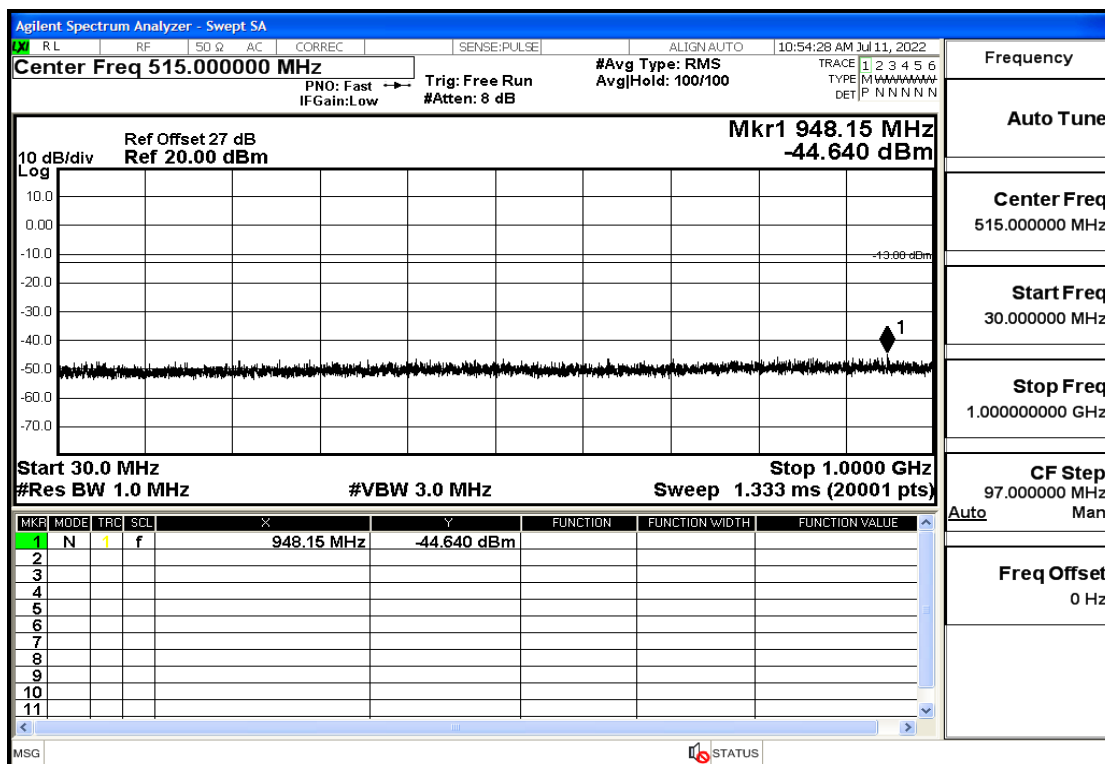
OB4-5-1712.5-Q16-25#LOW@7GHz-13.6GHz@Pass



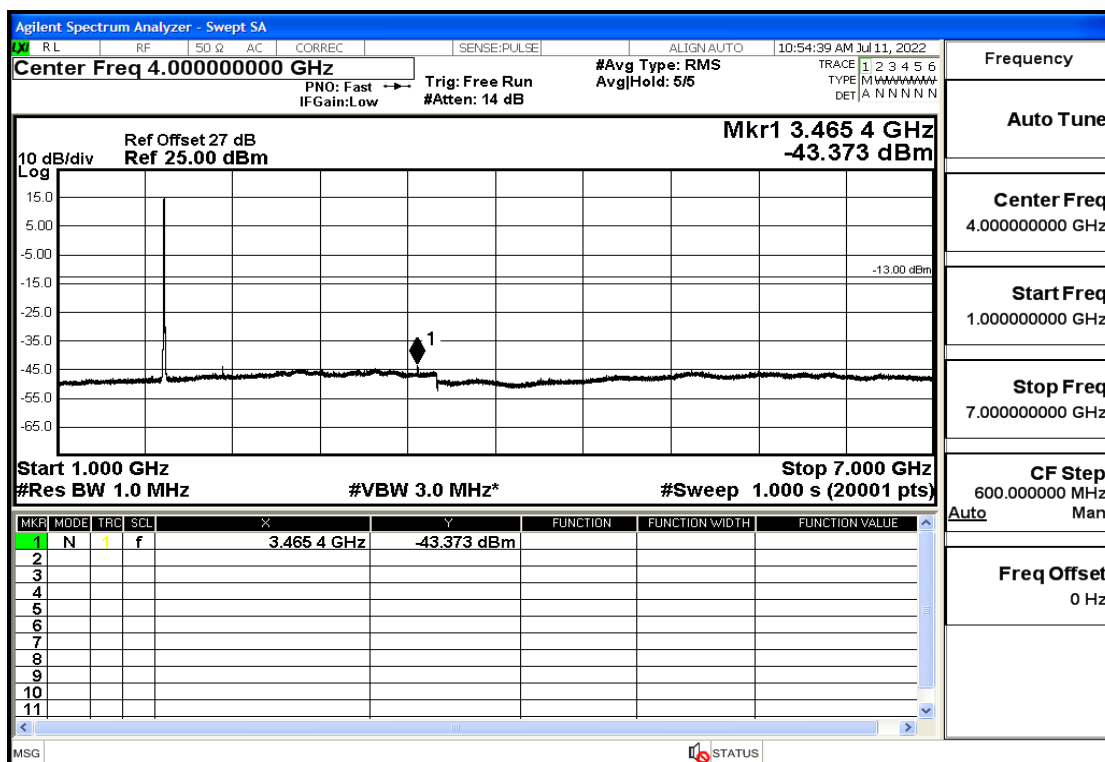
OB4-5-1712.5-Q16-25#LOW@13.6GHz-20GHz@Pass



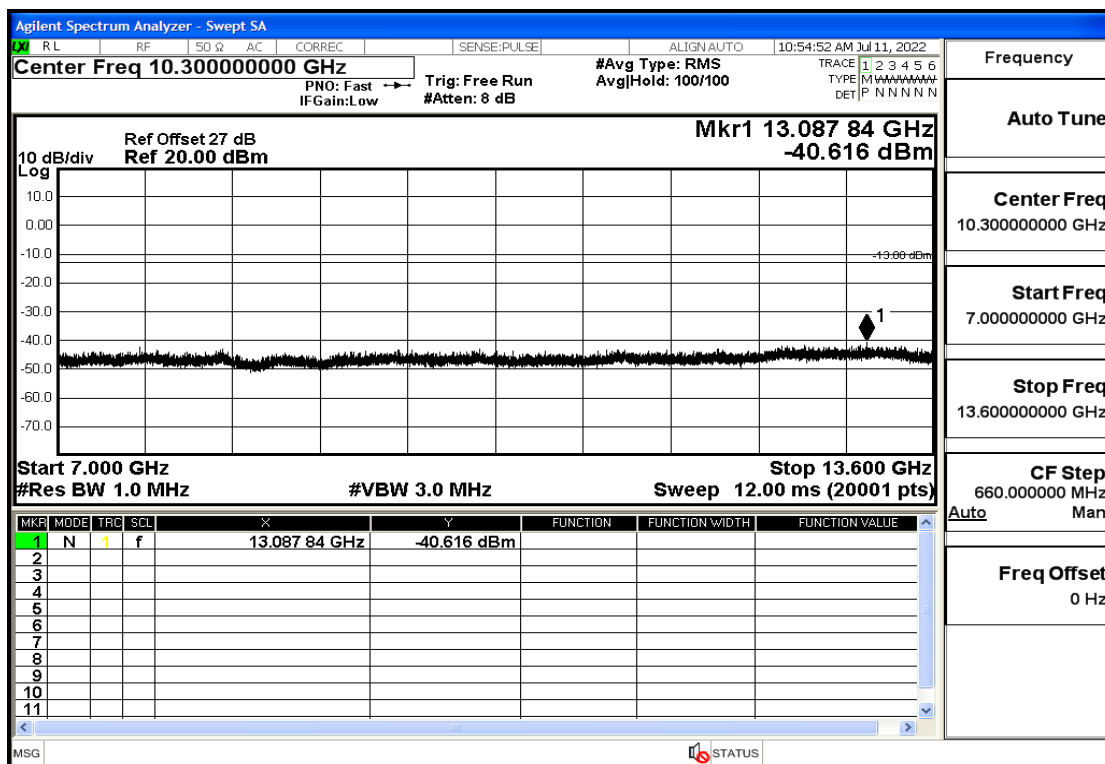
OB4-5-1732.5-Q16-25#LOW@30mHz-1GHz@Pass



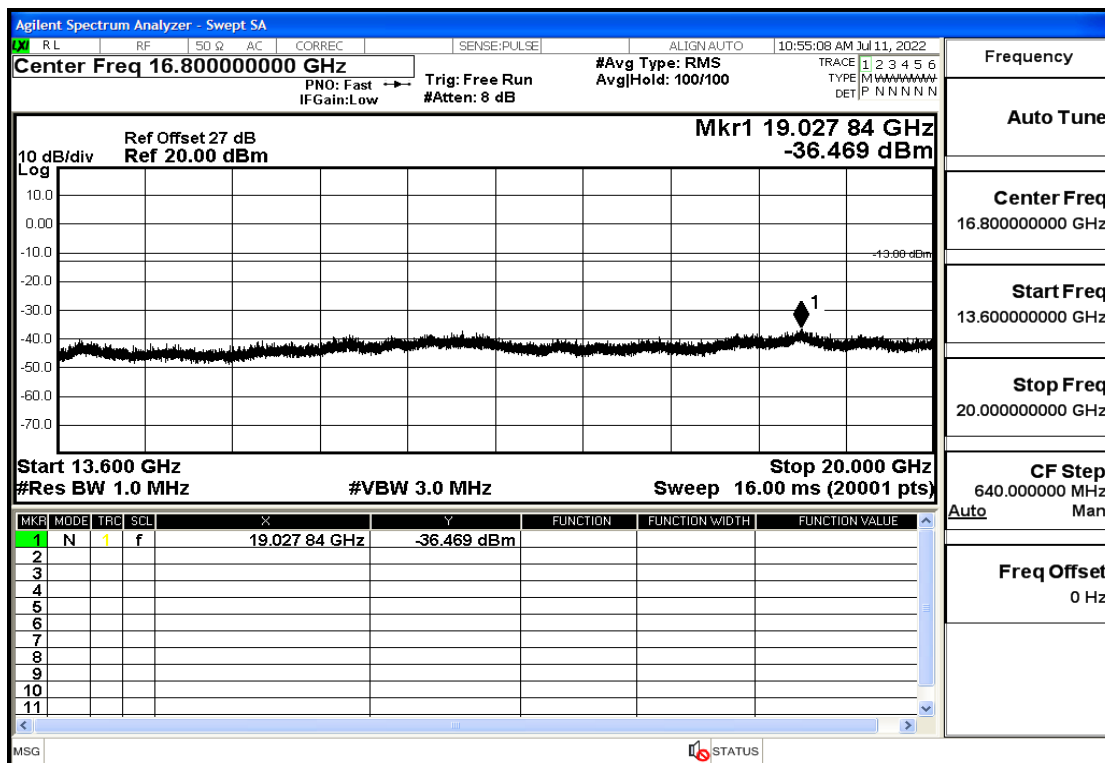
OB4-5-1732.5-Q16-25#LOW@1GHz-7GHz@Pass



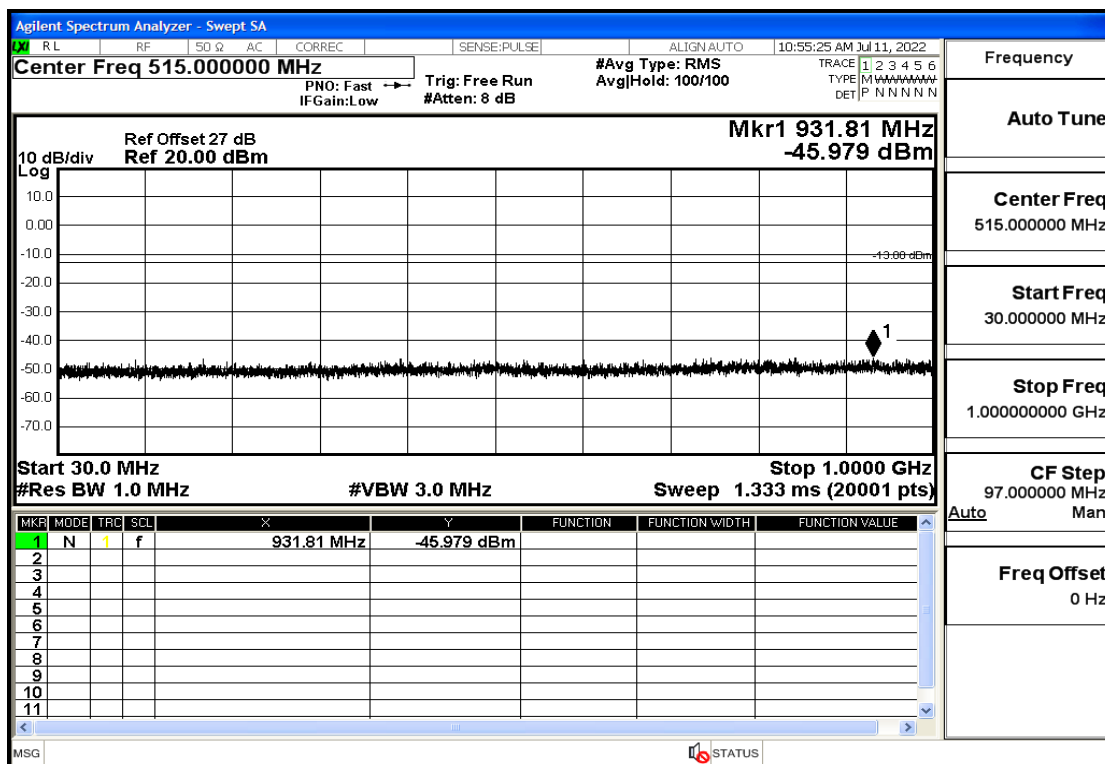
OB4-5-1732.5-Q16-25#LOW@7GHz-13.6GHz@Pass



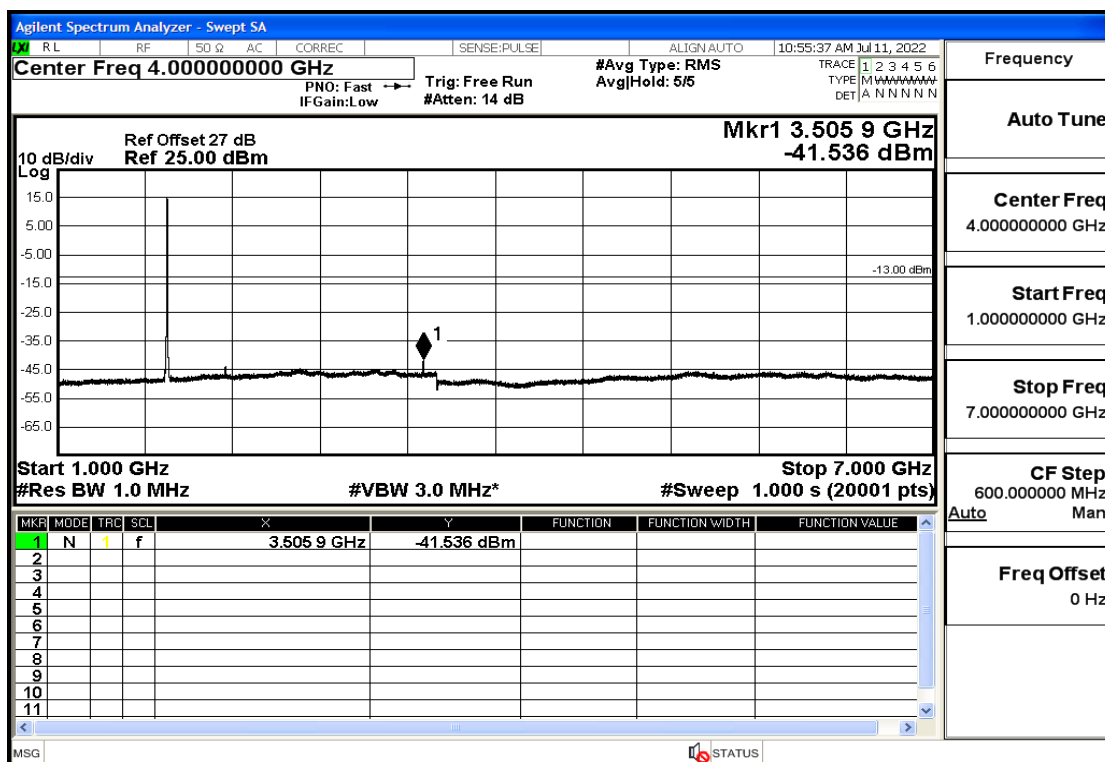
OB4-5-1732.5-Q16-25#LOW@13.6GHz-20GHz@Pass



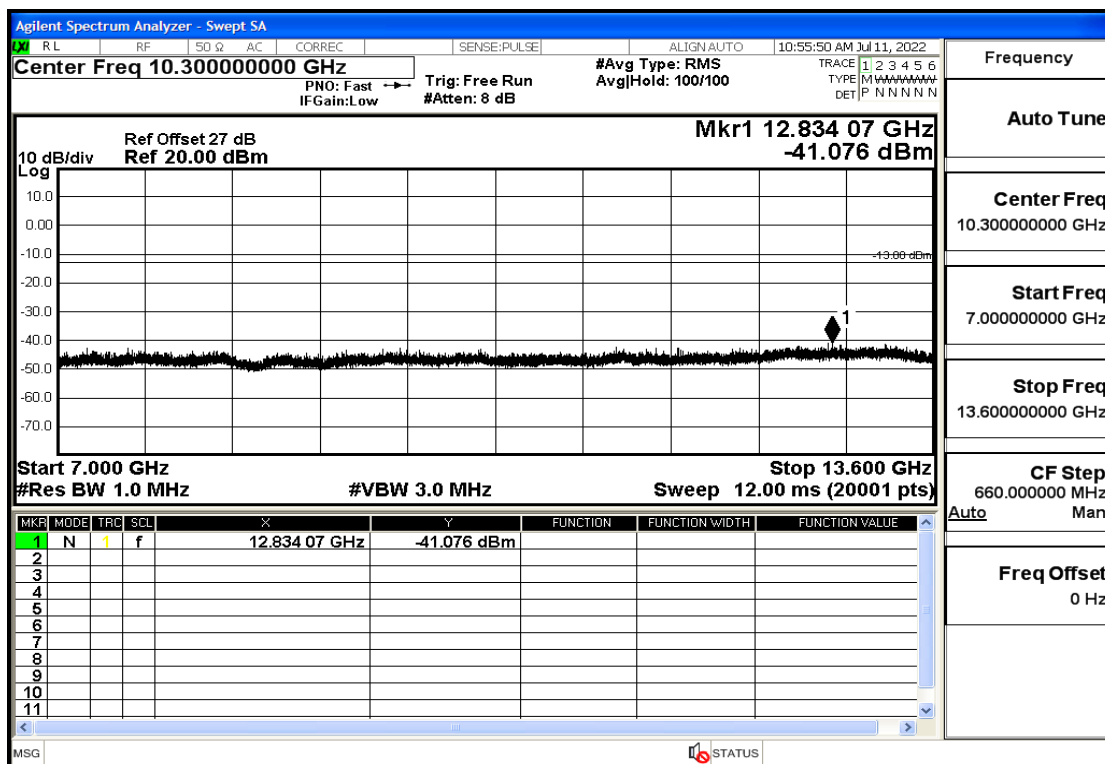
OB4-5-1752.5-Q16-25#LOW@30mHz-1GHz@Pass



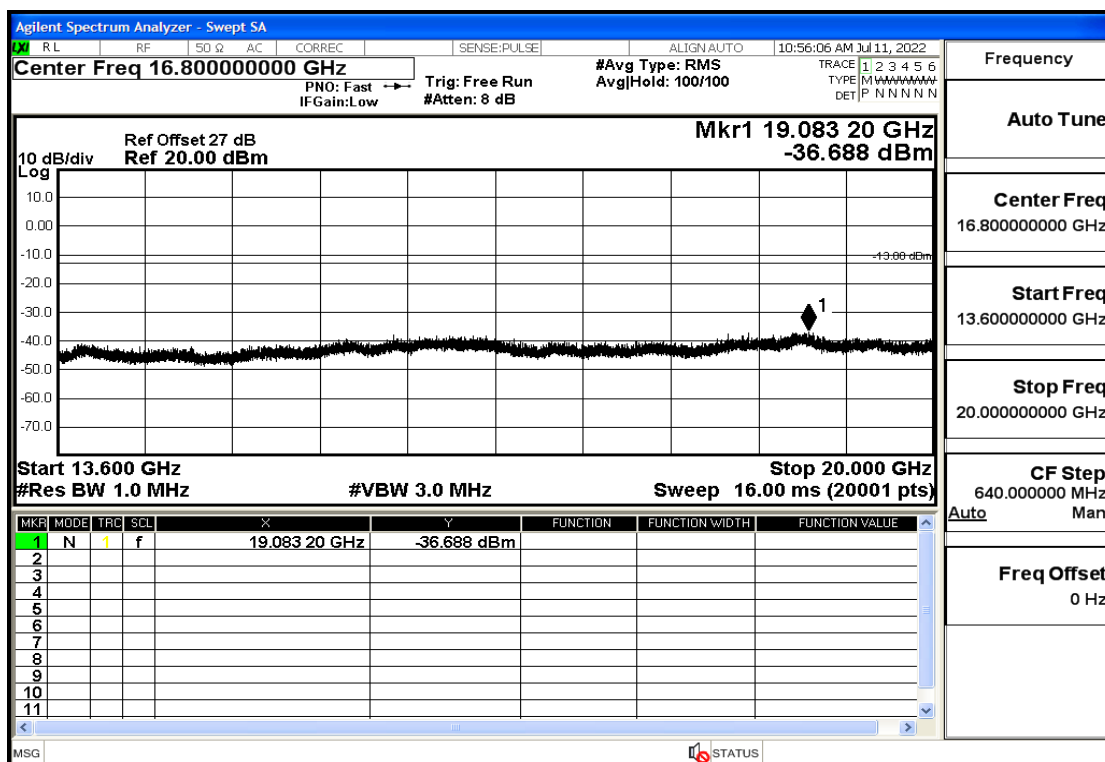
OB4-5-1752.5-Q16-25#LOW@1GHz-7GHz@Pass



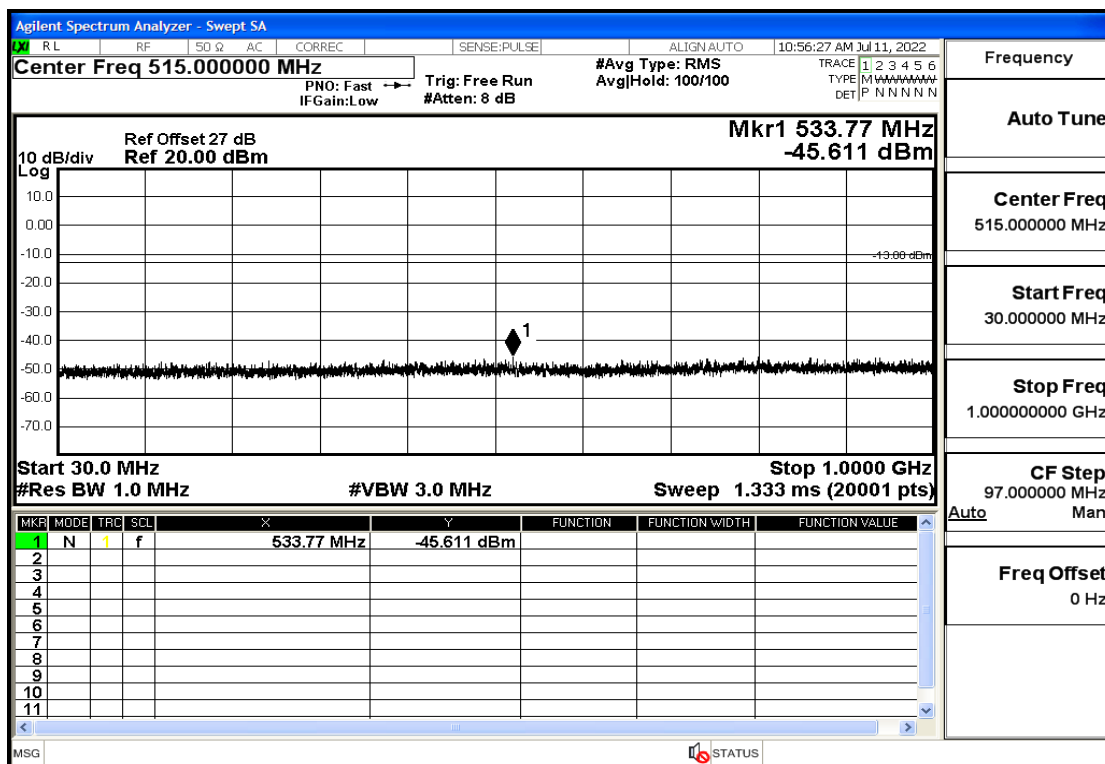
OB4-5-1752.5-Q16-25#LOW@7GHz-13.6GHz@Pass



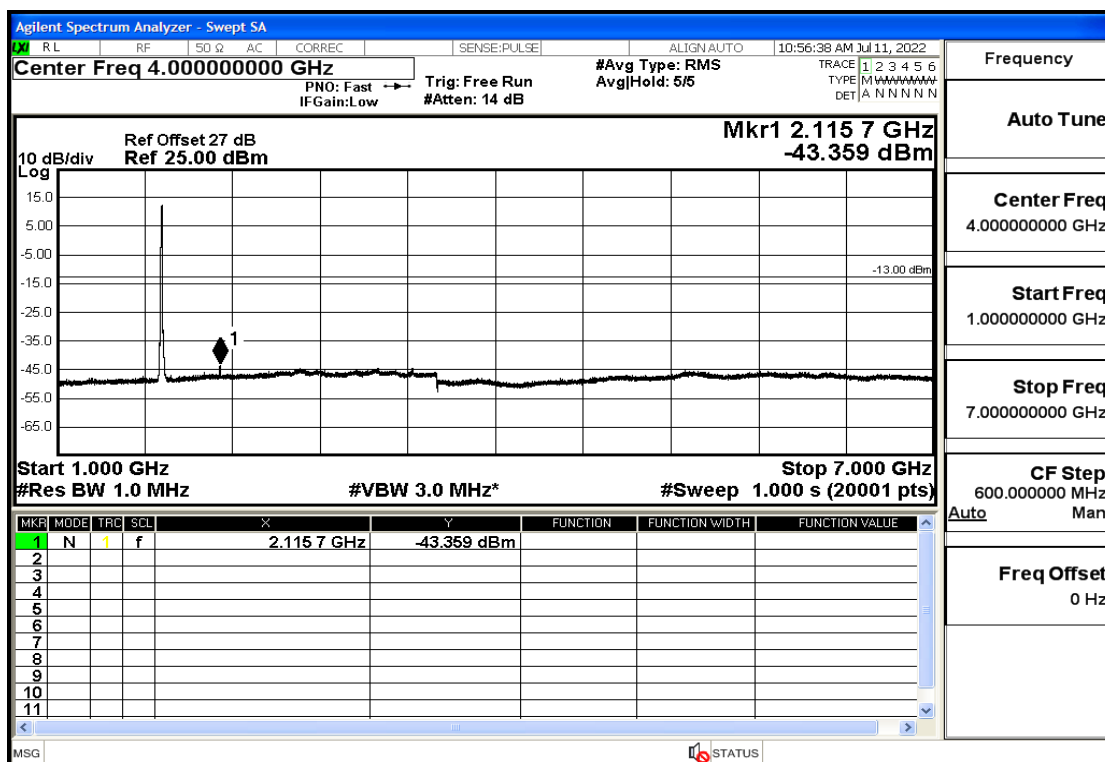
OB4-5-1752.5-Q16-25#LOW@13.6GHz-20GHz@Pass



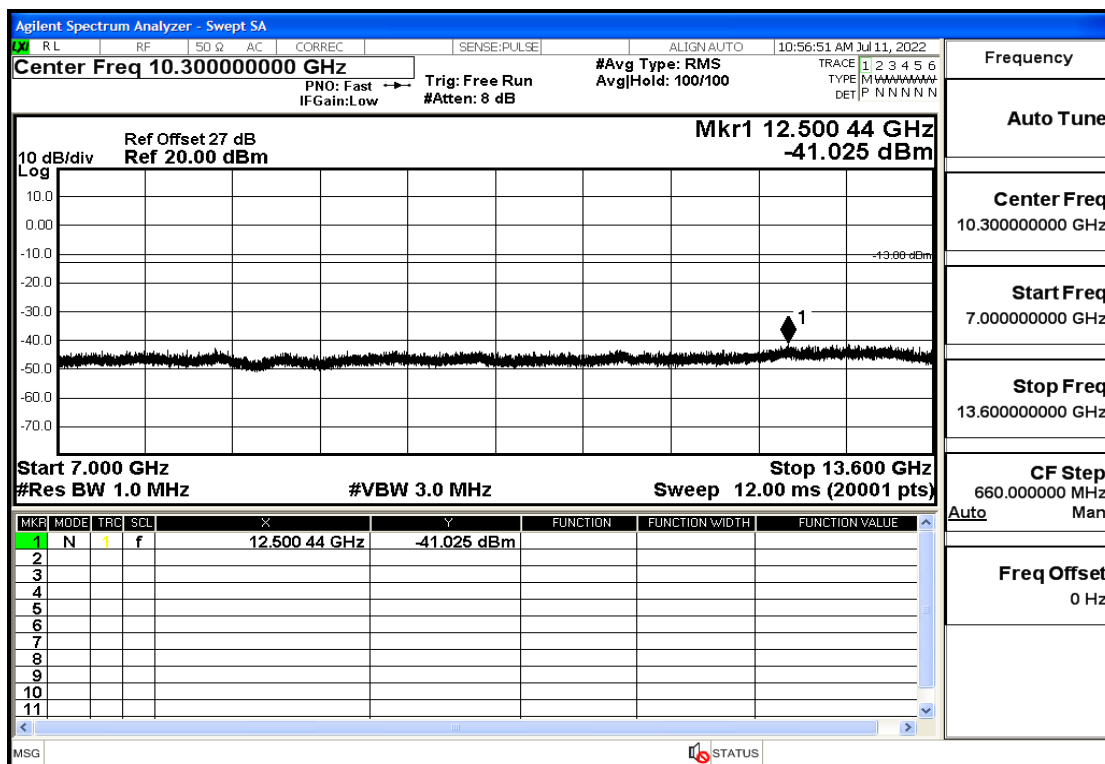
OB4-10-1715-Q16-50#LOW@30mHz-1GHz@Pass



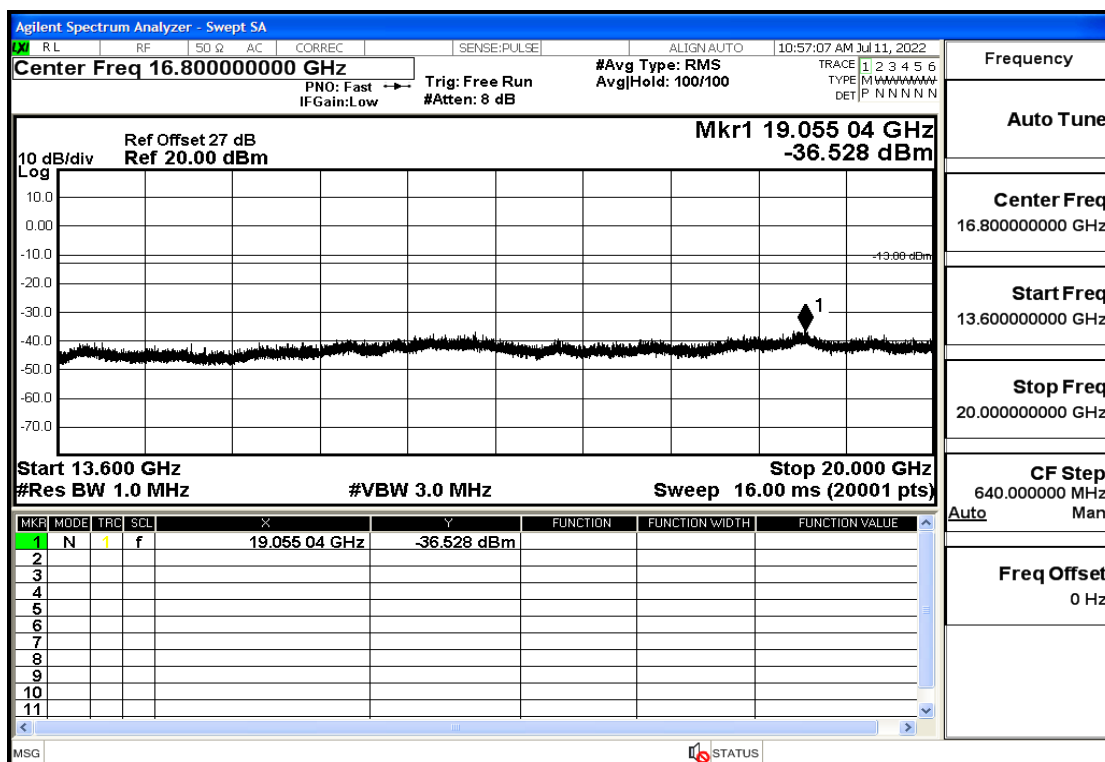
OB4-10-1715-Q16-50#LOW@1GHz-7GHz@Pass



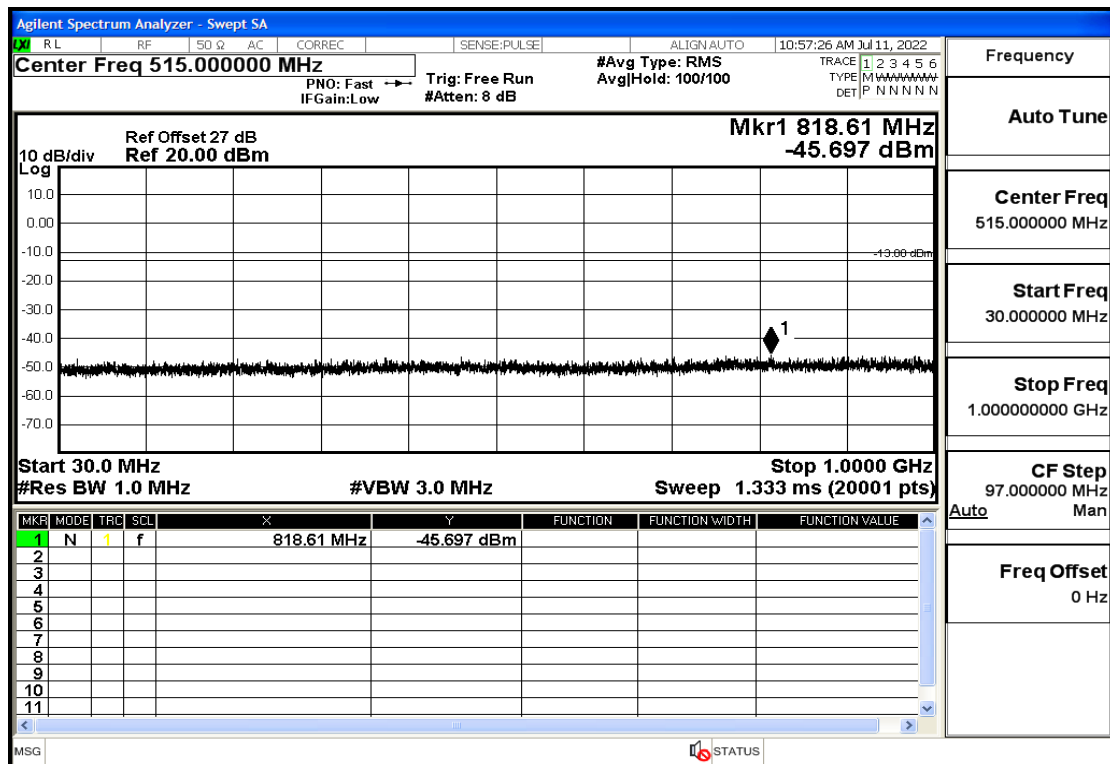
OB4-10-1715-Q16-50#LOW@7GHz-13.6GHz@Pass



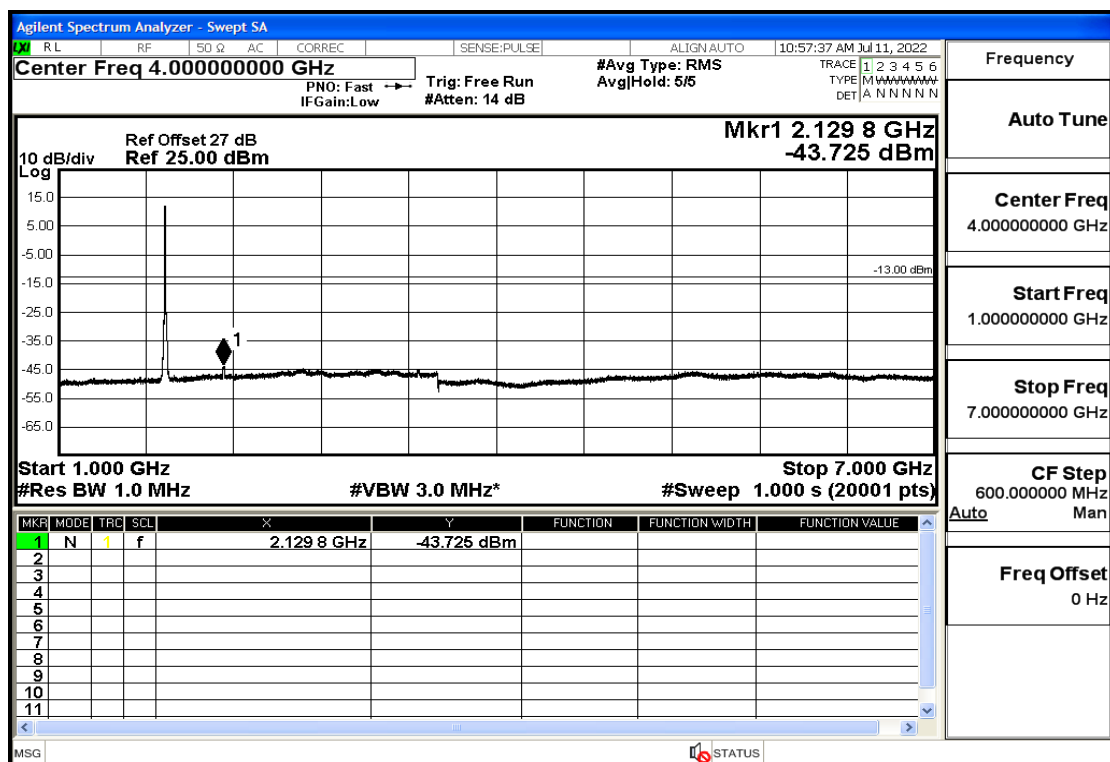
OB4-10-1715-Q16-50#LOW@13.6GHz-20GHz@Pass



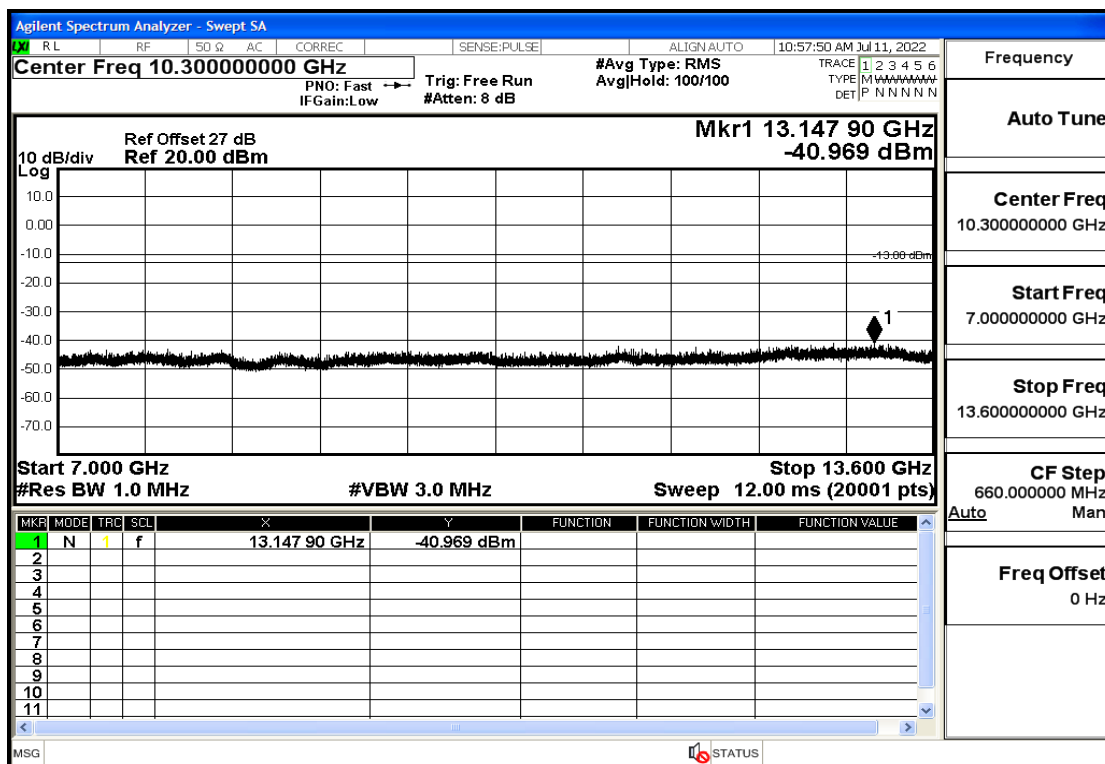
OB4-10-1732.5-Q16-50#LOW@30mHz-1GHz@Pass



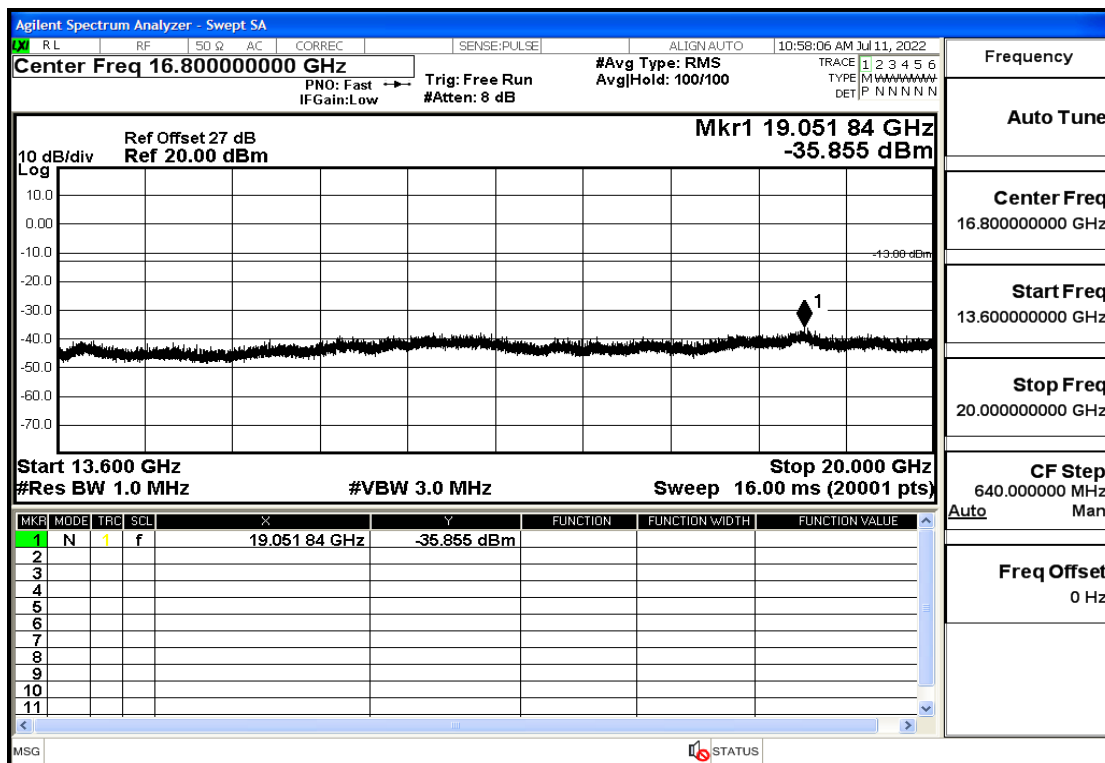
OB4-10-1732.5-Q16-50#LOW@1GHz-7GHz@Pass



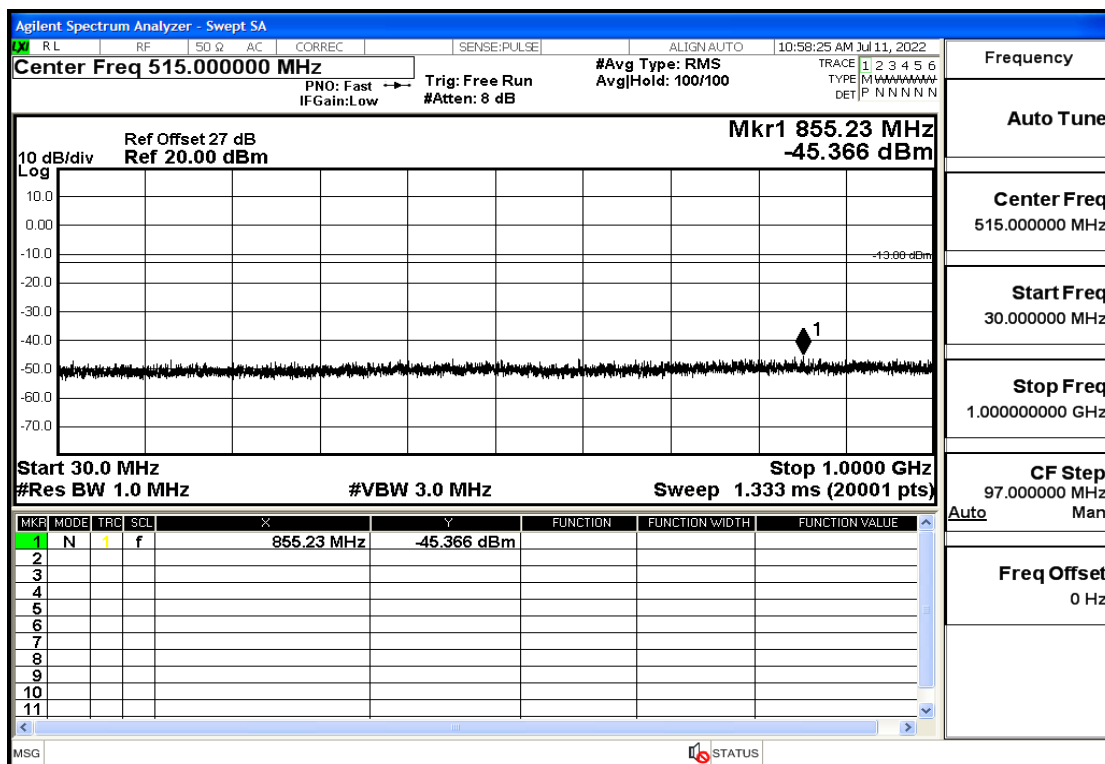
OB4-10-1732.5-Q16-50#LOW@7GHz-13.6GHz@Pass



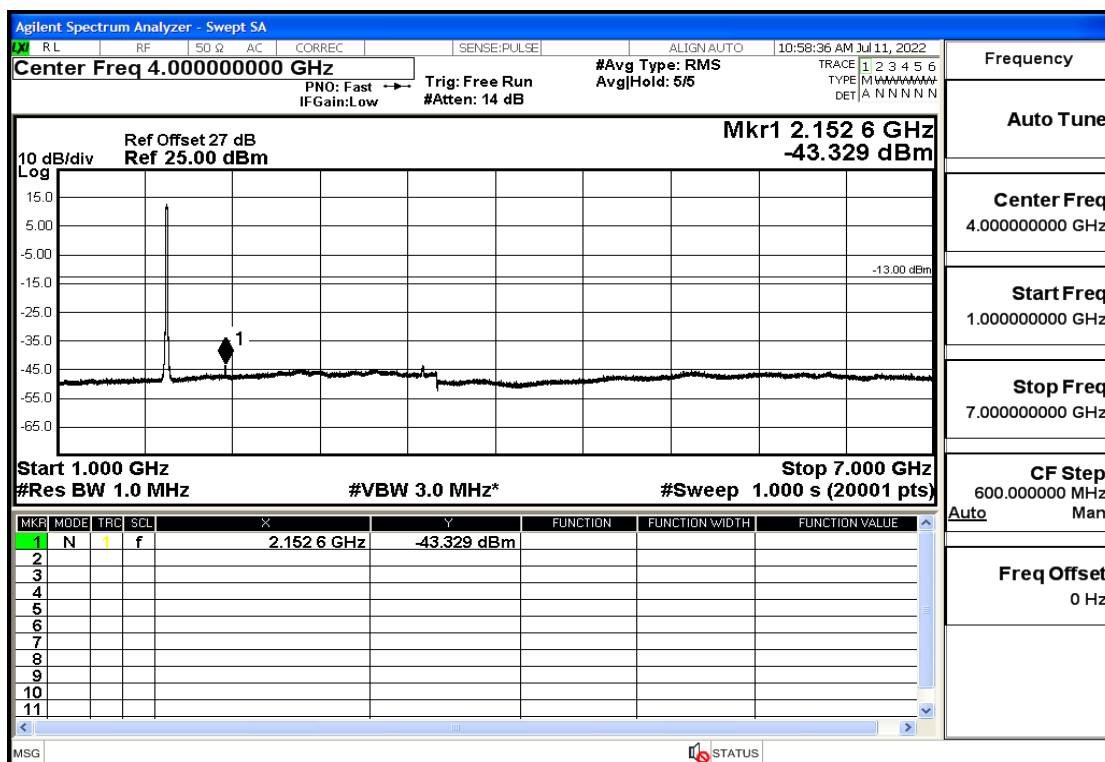
OB4-10-1732.5-Q16-50#LOW@13.6GHz-20GHz@Pass



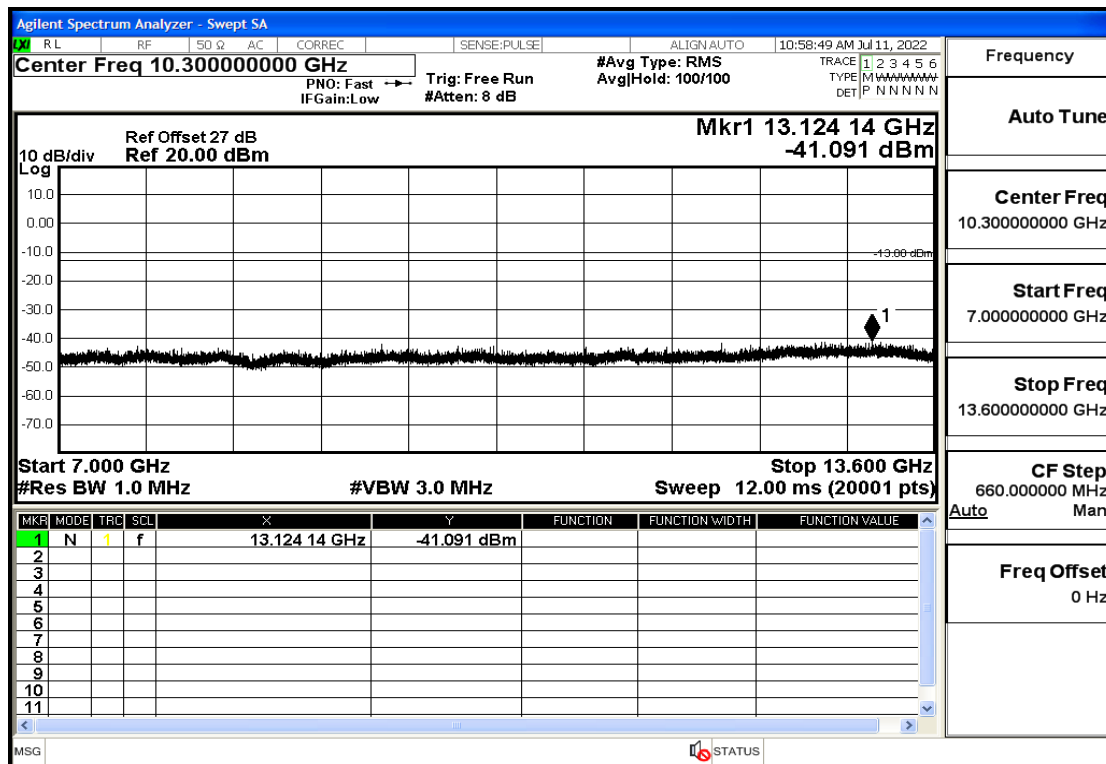
OB4-10-1750-Q16-50#LOW@30mHz-1GHz@Pass



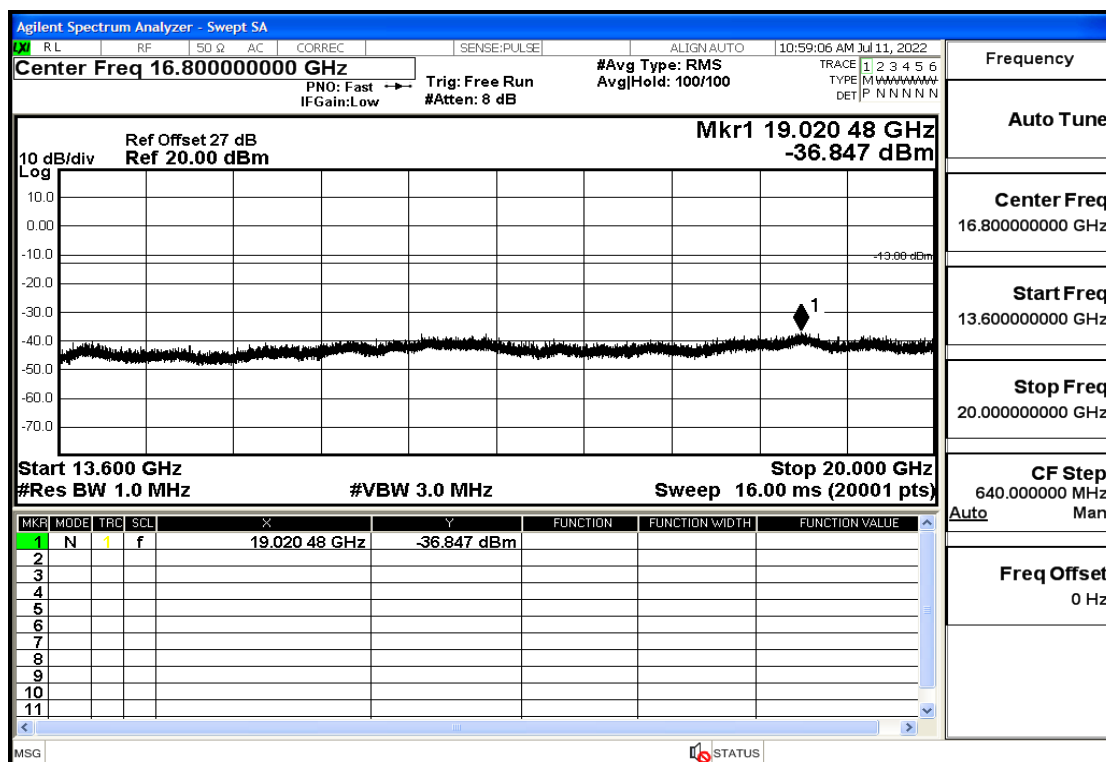
OB4-10-1750-Q16-50#LOW@1GHz-7GHz@Pass



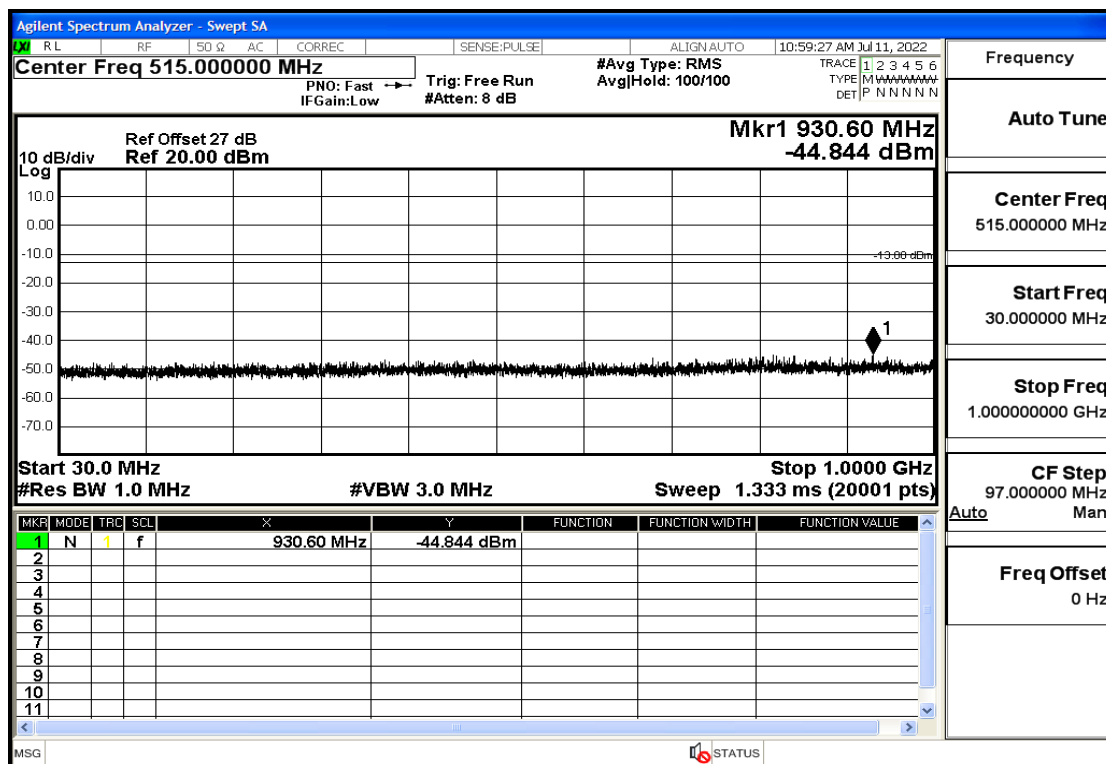
OB4-10-1750-Q16-50#LOW@7GHz-13.6GHz@Pass



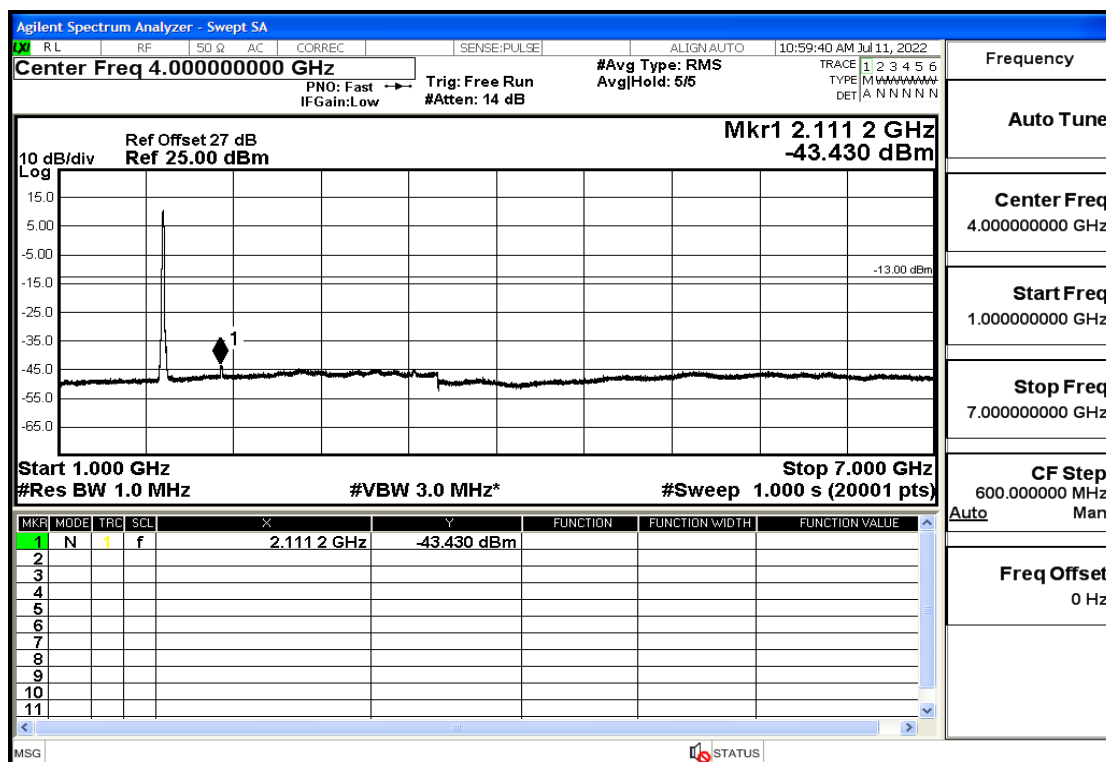
OB4-10-1750-Q16-50#LOW@13.6GHz-20GHz@Pass



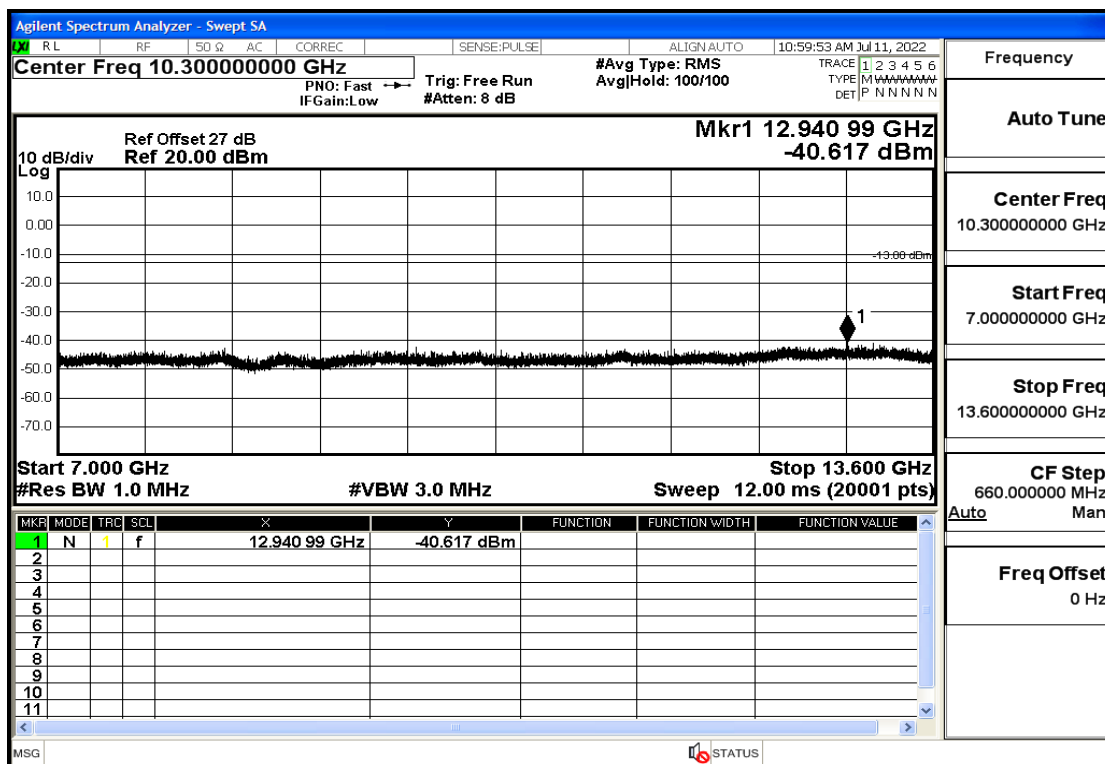
OB4-15-1717.5-Q16-75#LOW@30mHz-1GHz@Pass



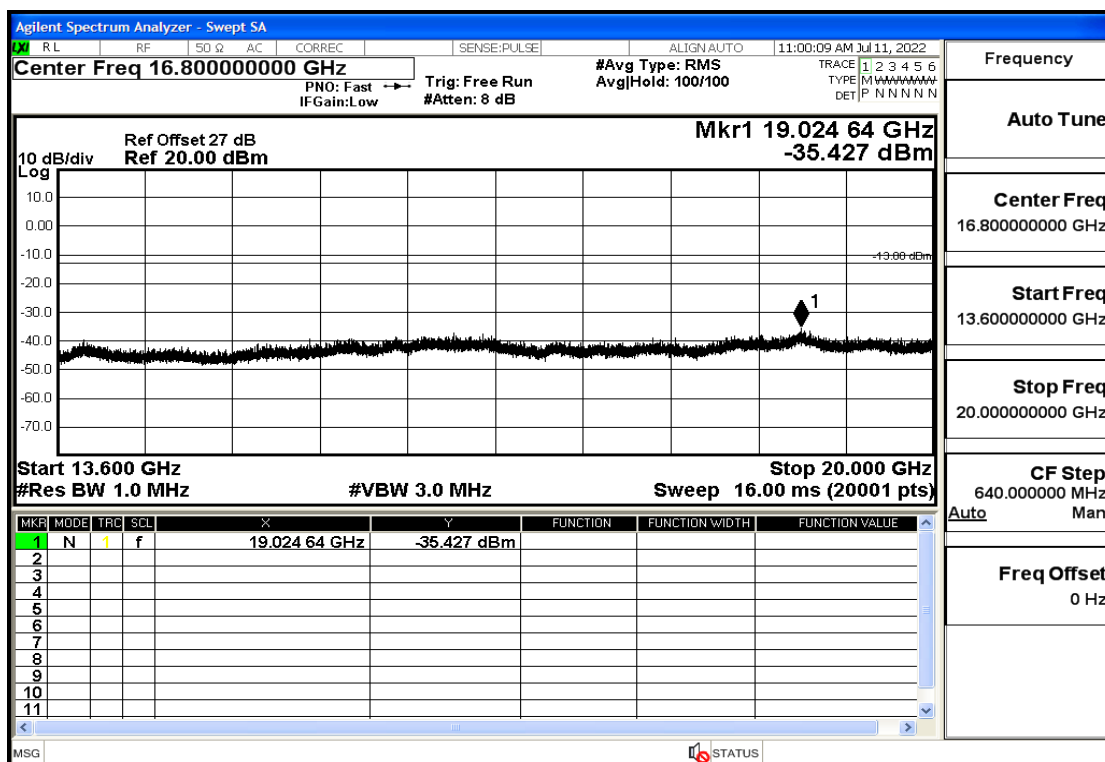
OB4-15-1717.5-Q16-75#LOW@1GHz-7GHz@Pass



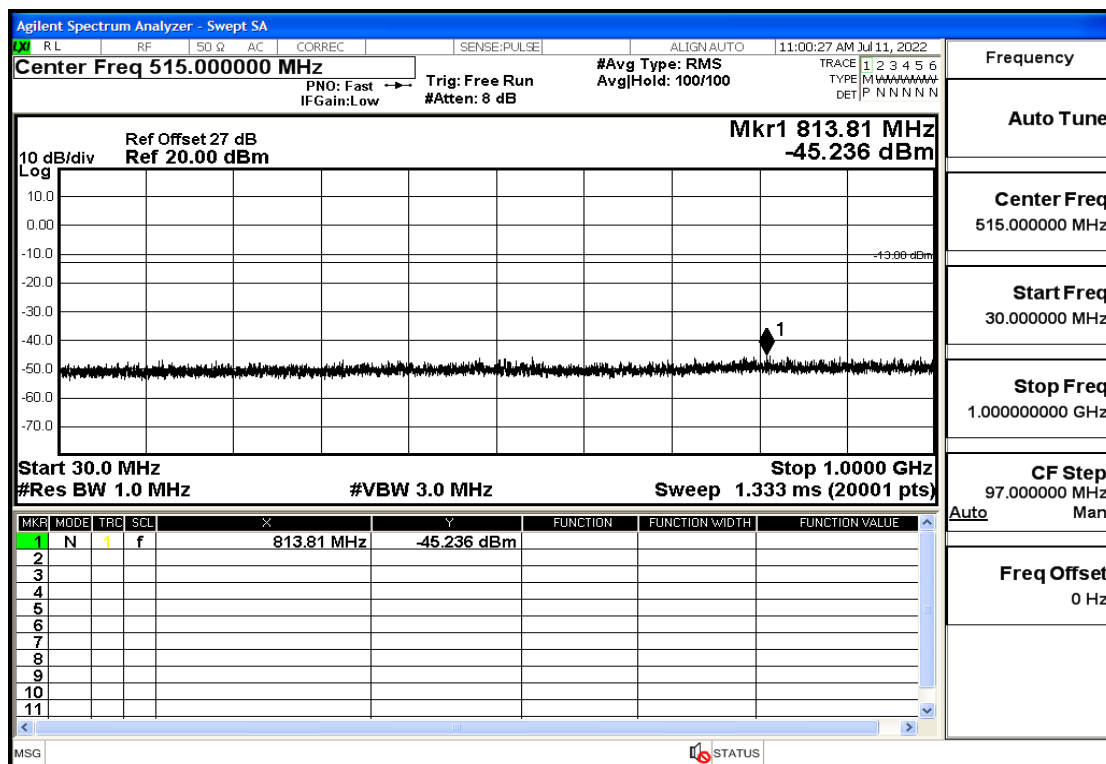
OB4-15-1717.5-Q16-75#LOW@7GHz-13.6GHz@Pass



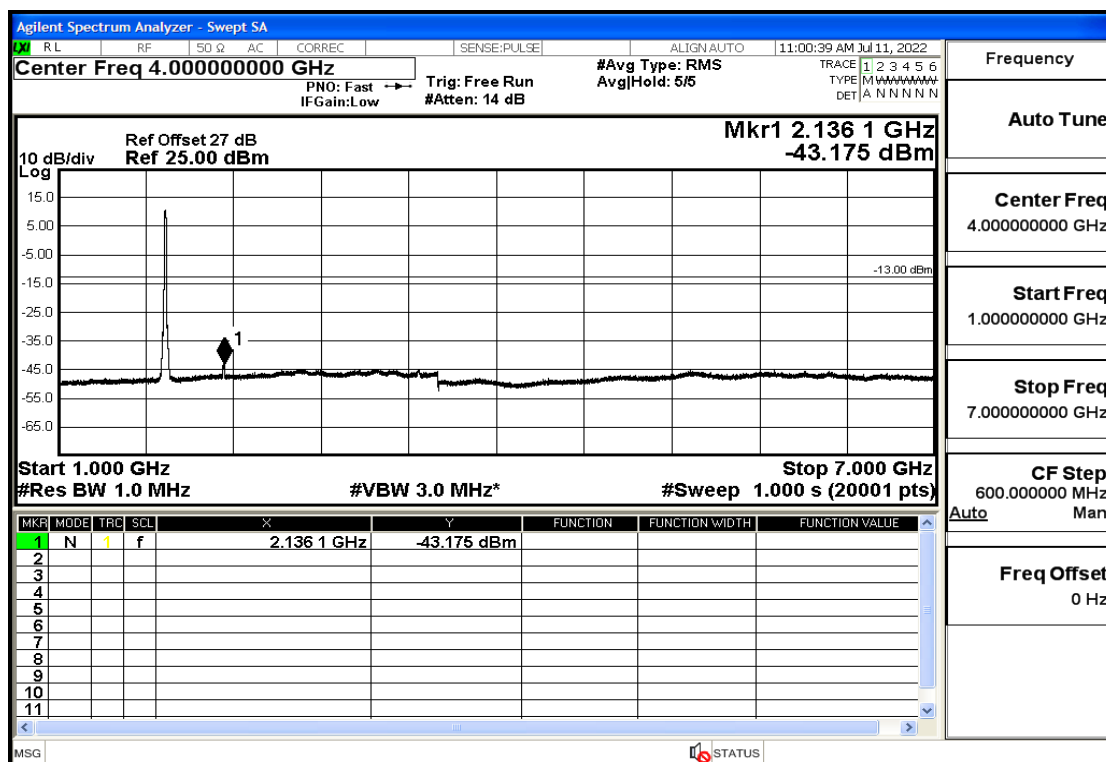
OB4-15-1717.5-Q16-75#LOW@13.6GHz-20GHz@Pass



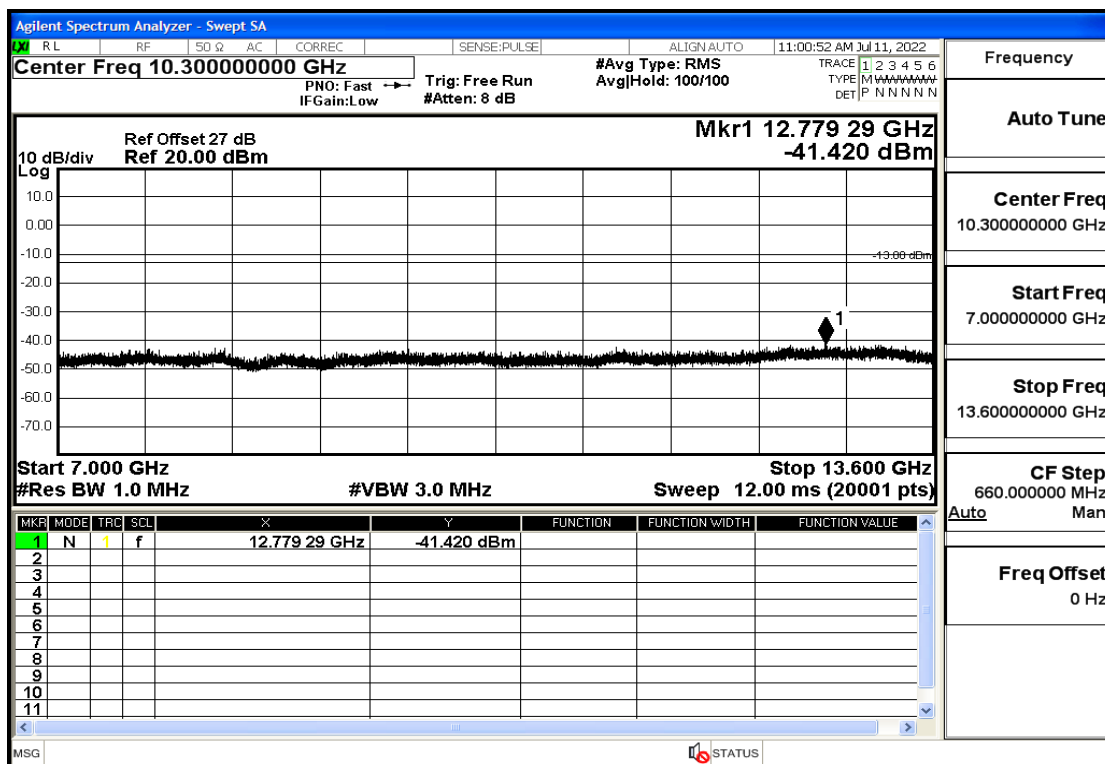
OB4-15-1732.5-Q16-75#LOW@30mHz-1GHz@Pass



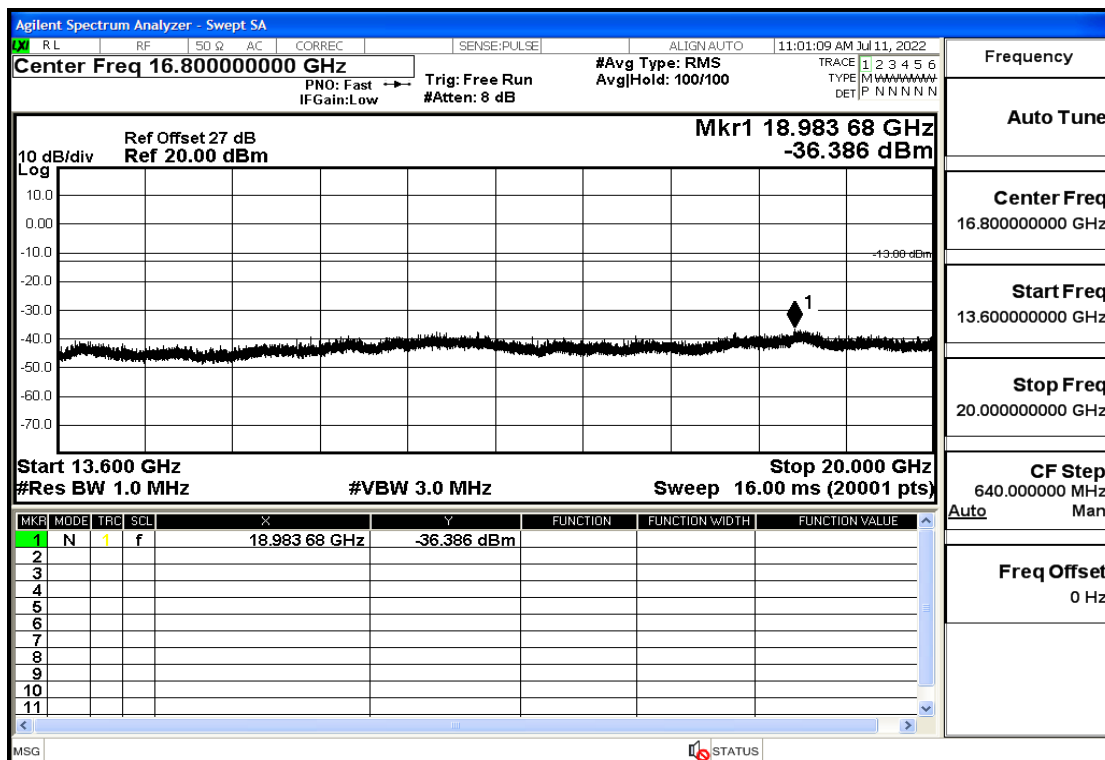
OB4-15-1732.5-Q16-75#LOW@1GHz-7GHz@Pass



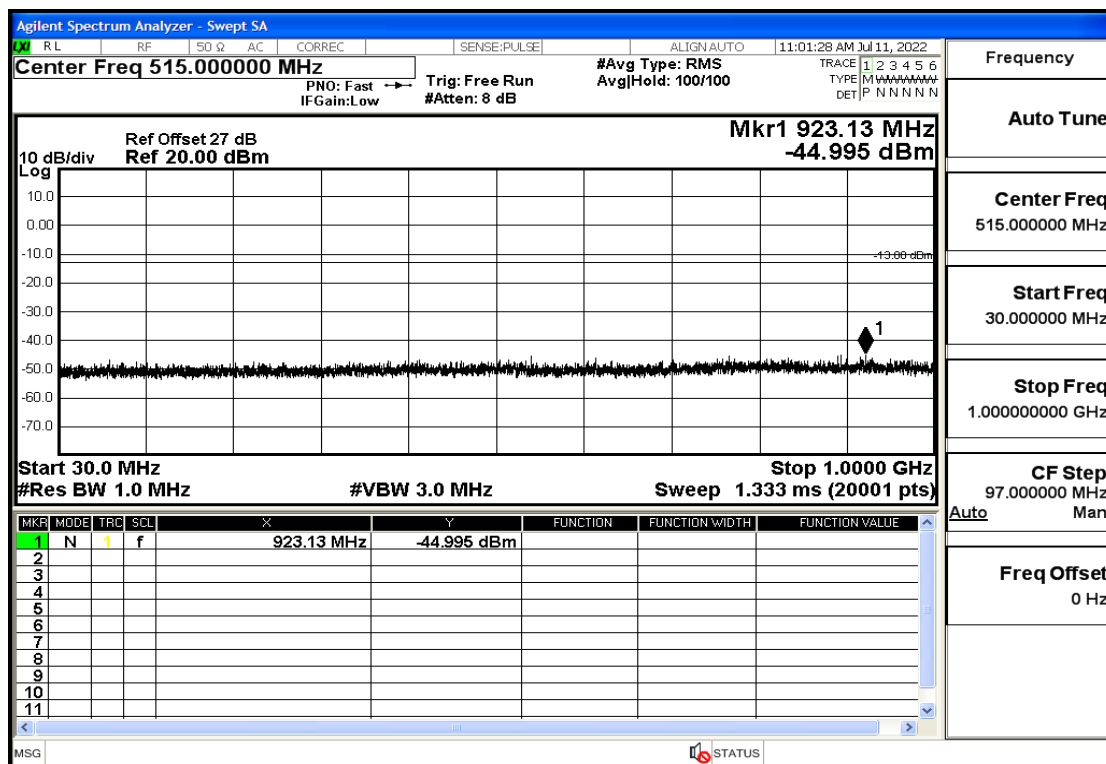
OB4-15-1732.5-Q16-75#LOW@7GHz-13.6GHz@Pass



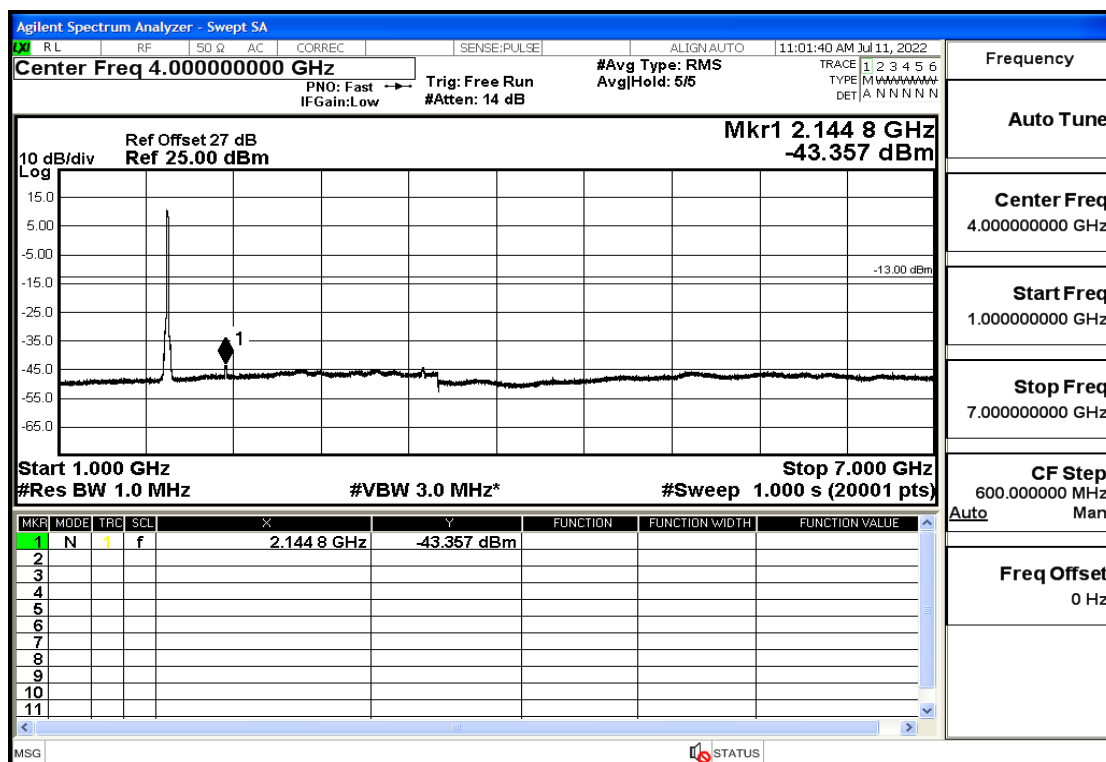
OB4-15-1732.5-Q16-75#LOW@13.6GHz-20GHz@Pass



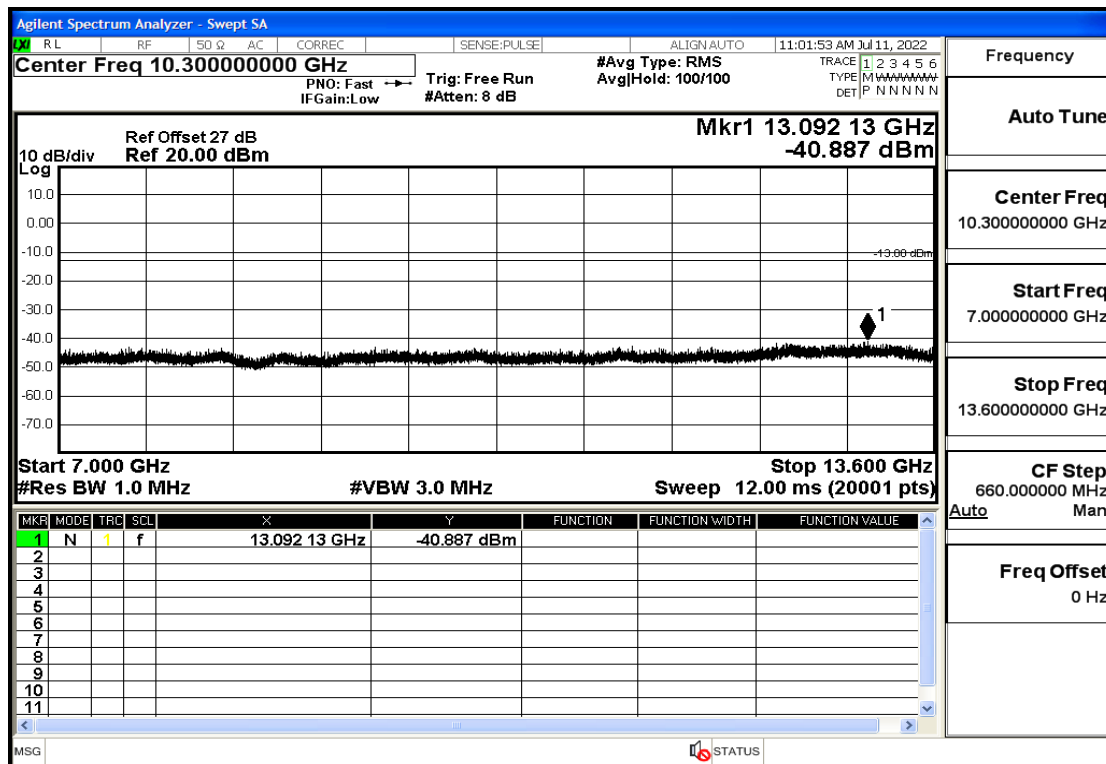
OB4-15-1747.5-Q16-75#LOW@30mHz-1GHz@Pass



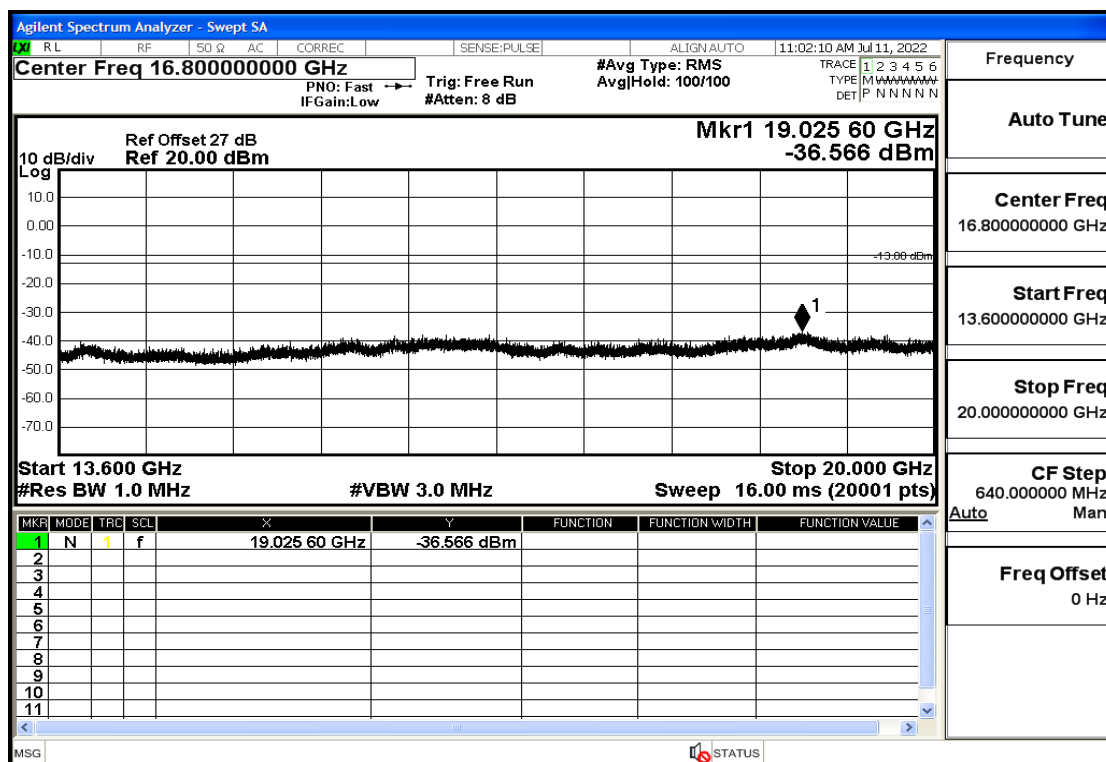
OB4-15-1747.5-Q16-75#LOW@1GHz-7GHz@Pass



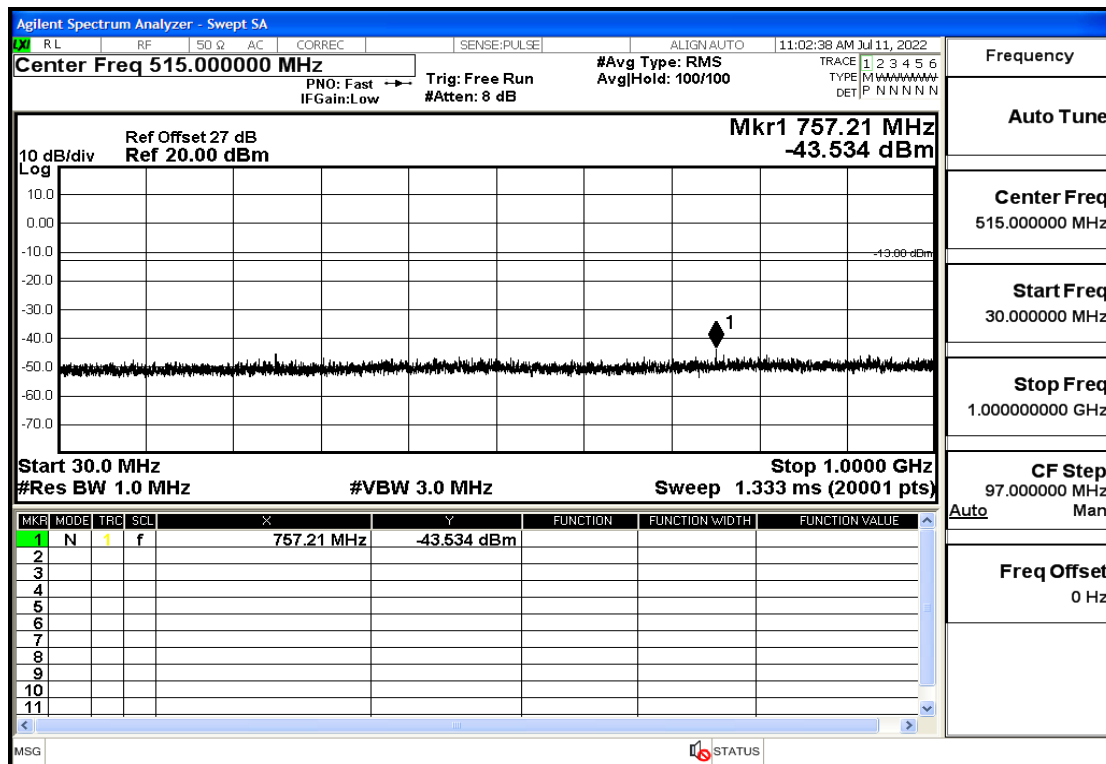
OB4-15-1747.5-Q16-75#LOW@7GHz-13.6GHz@Pass



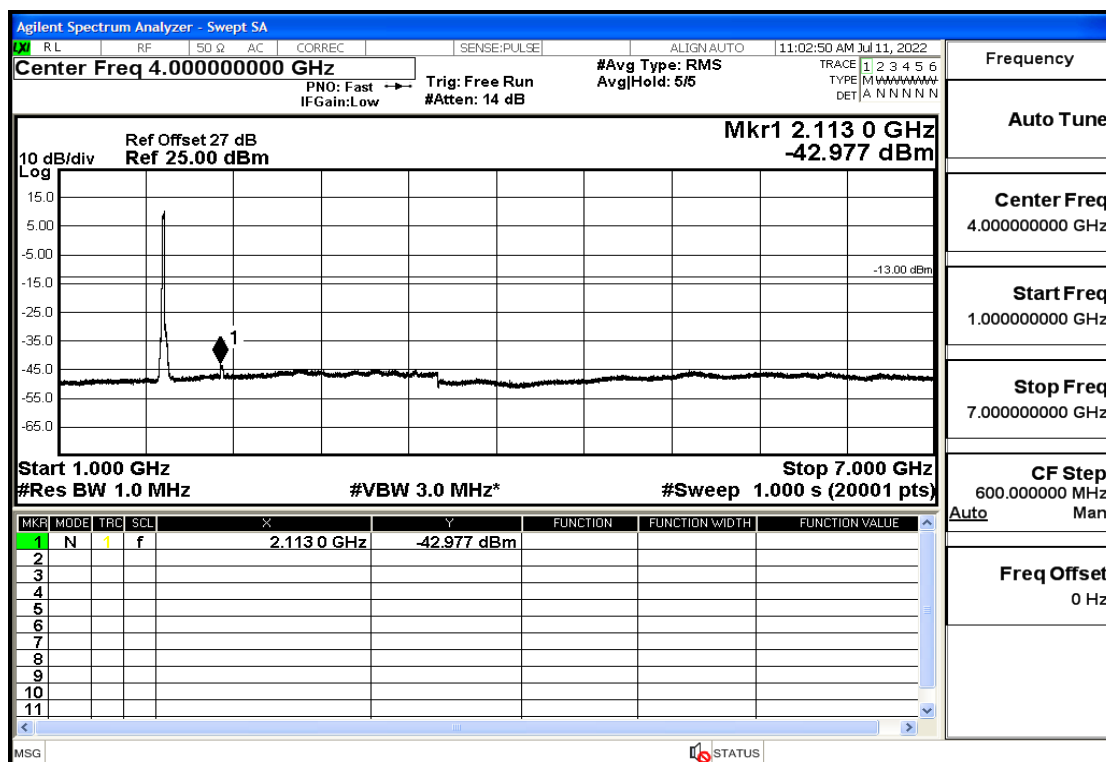
OB4-15-1747.5-Q16-75#LOW@13.6GHz-20GHz@Pass



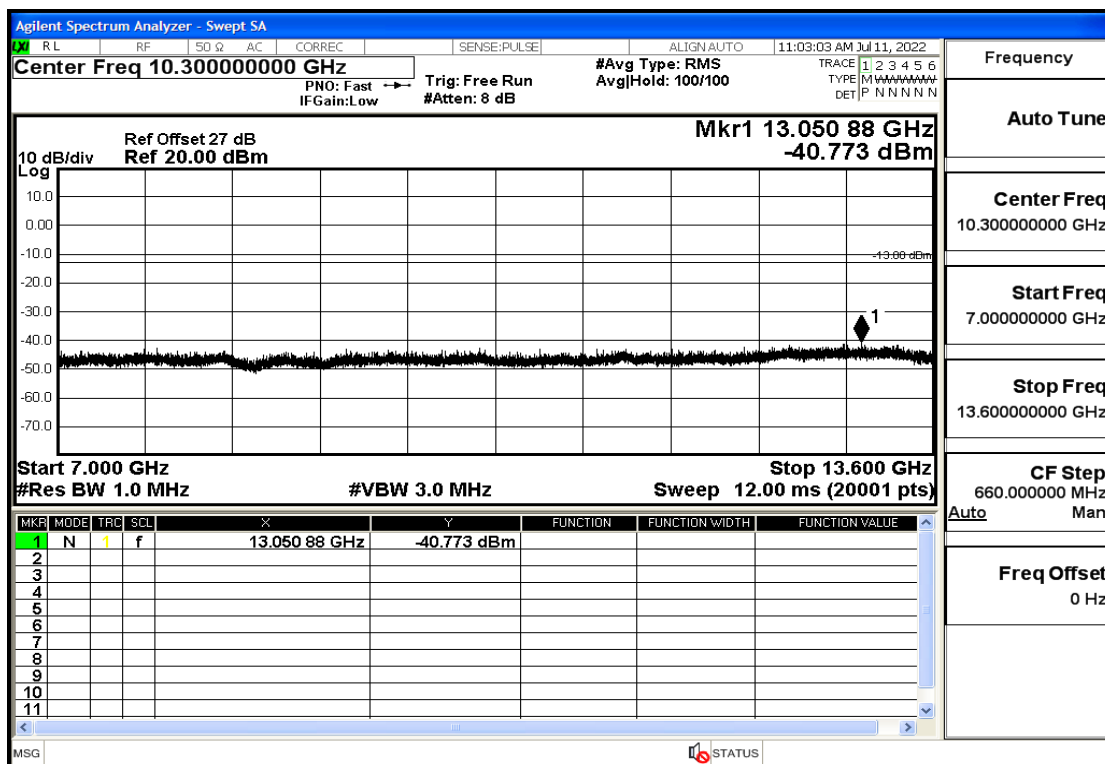
OB4-20-1720-Q16-100#LOW@30mHz-1GHz@Pass



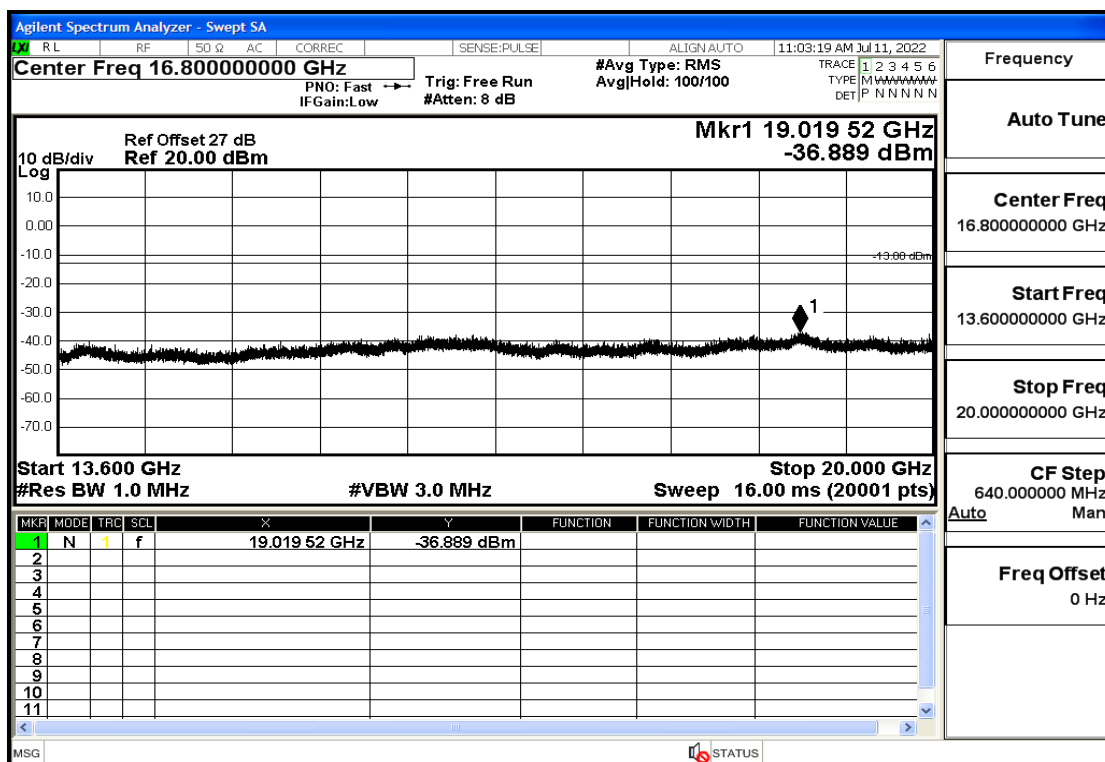
OB4-20-1720-Q16-100#LOW@1GHz-7GHz@Pass



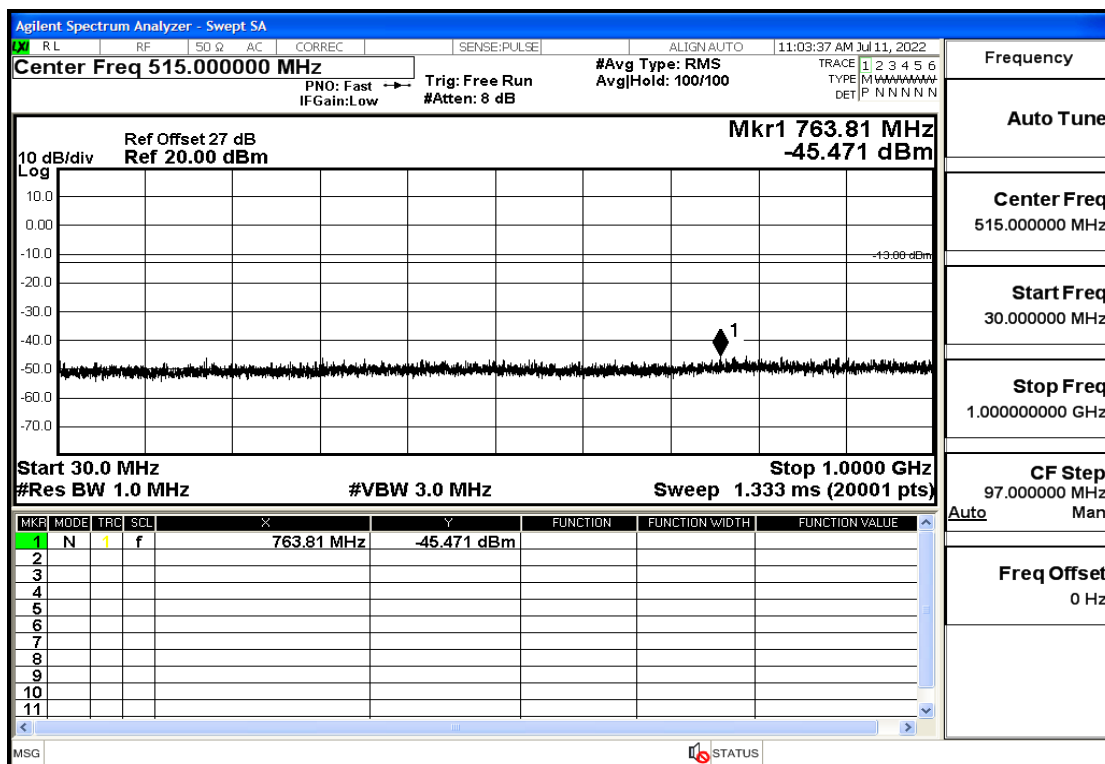
OB4-20-1720-Q16-100#LOW@7GHz-13.6GHz@Pass



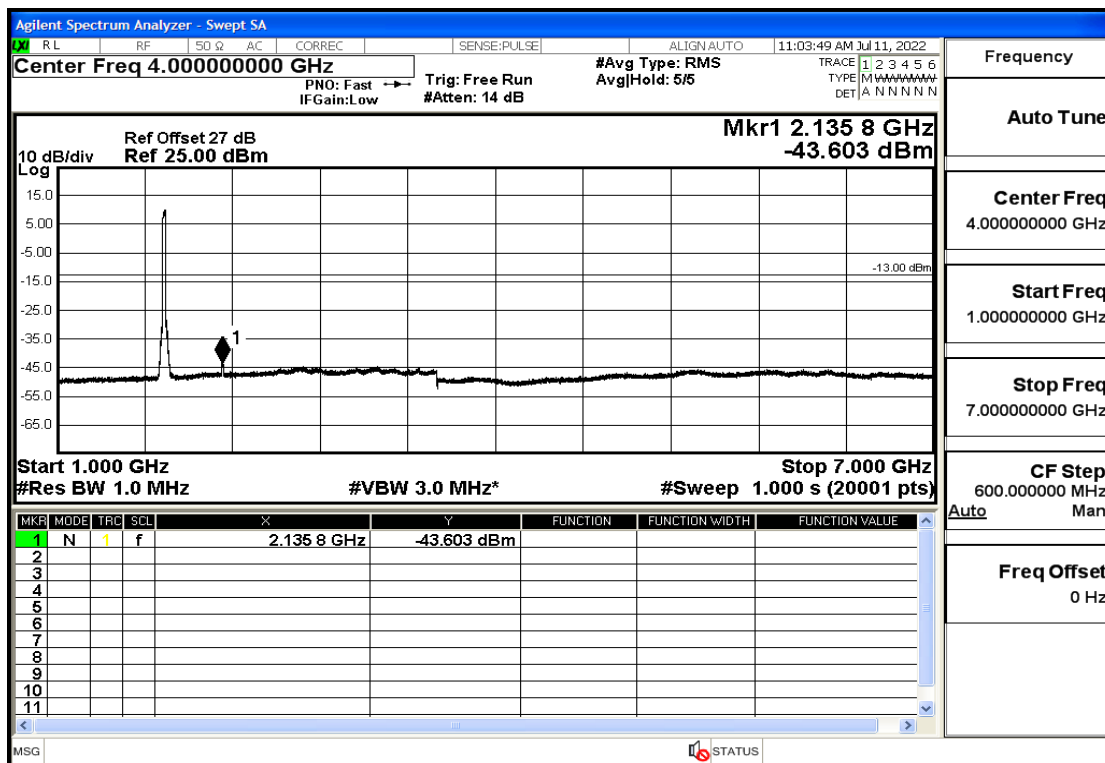
OB4-20-1720-Q16-100#LOW@13.6GHz-20GHz@Pass



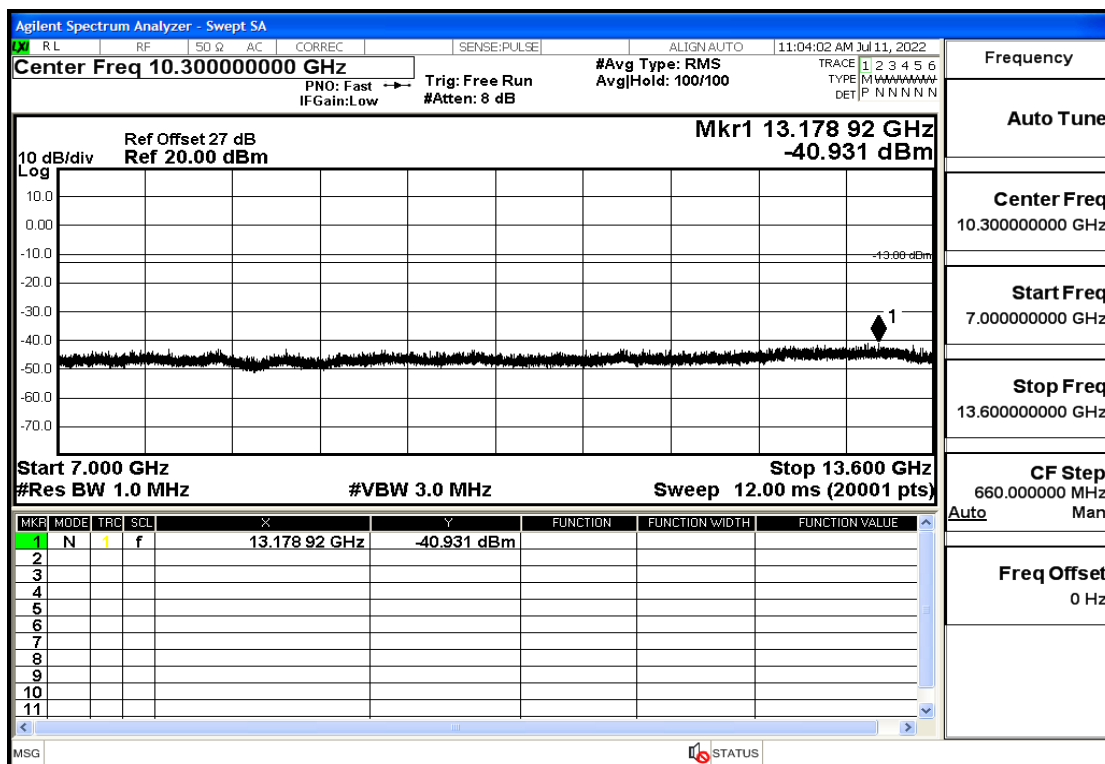
OB4-20-1732.5-Q16-100#LOW@30MHz-1GHz@Pass



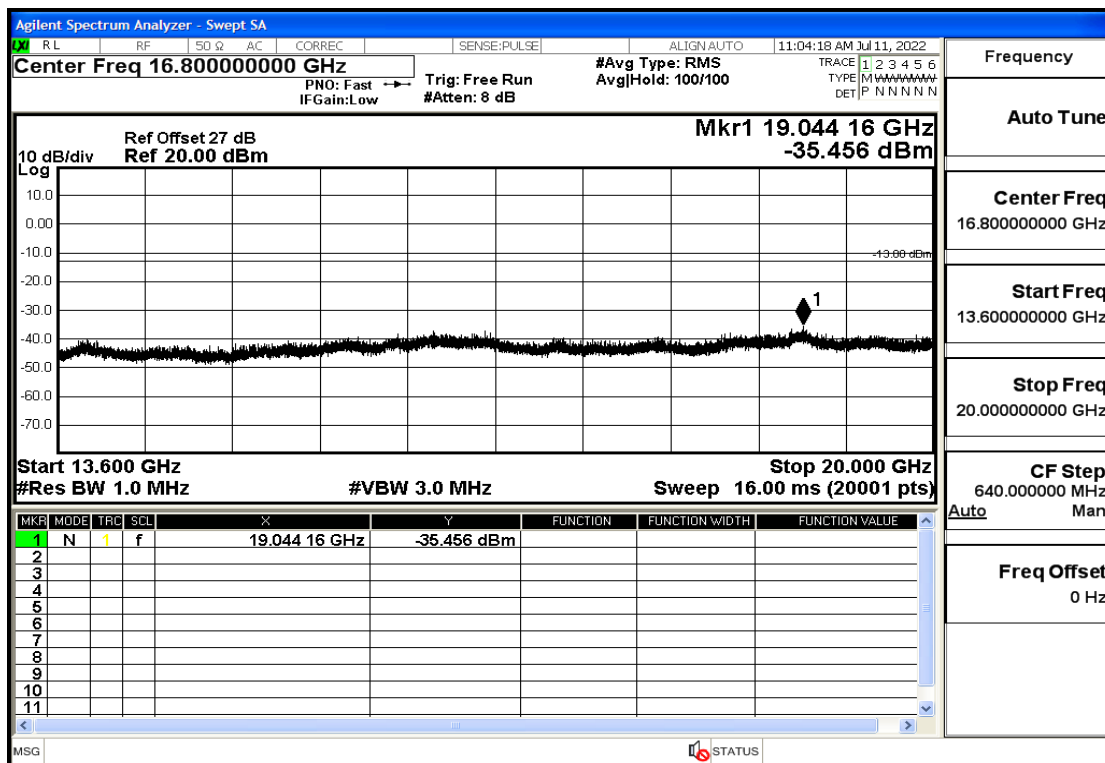
OB4-20-1732.5-Q16-100#LOW@1GHz-7GHz@Pass



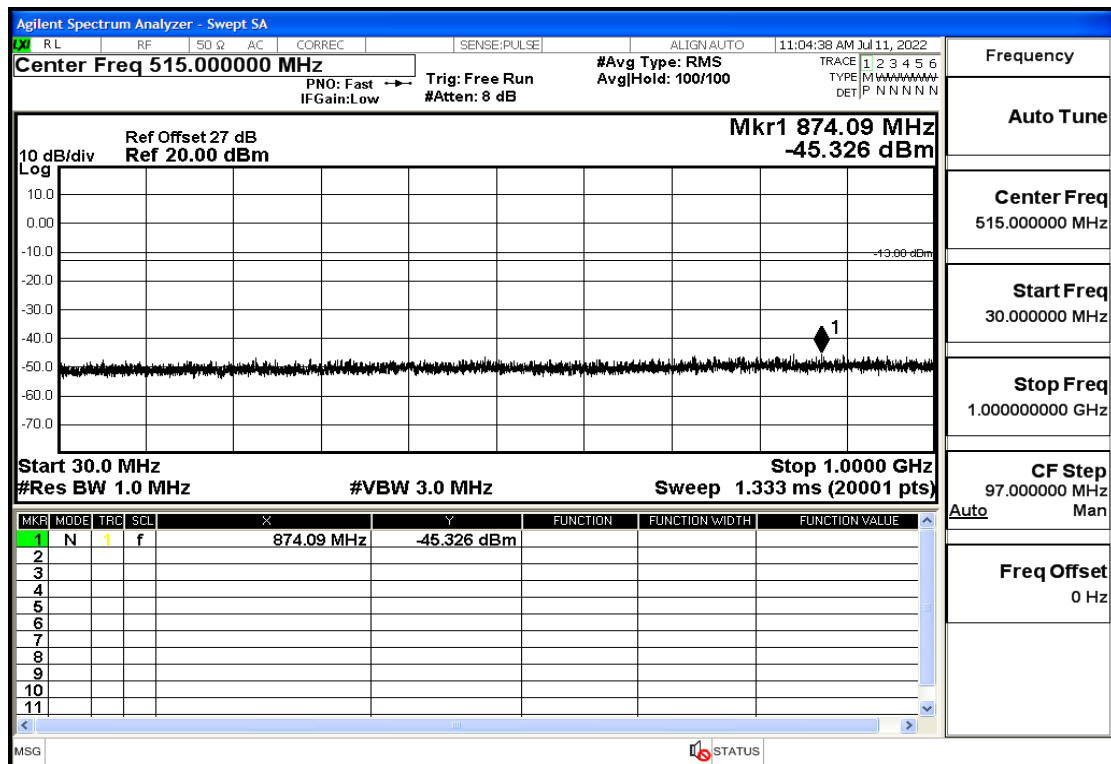
OB4-20-1732.5-Q16-100#LOW@7GHz-13.6GHz@Pass



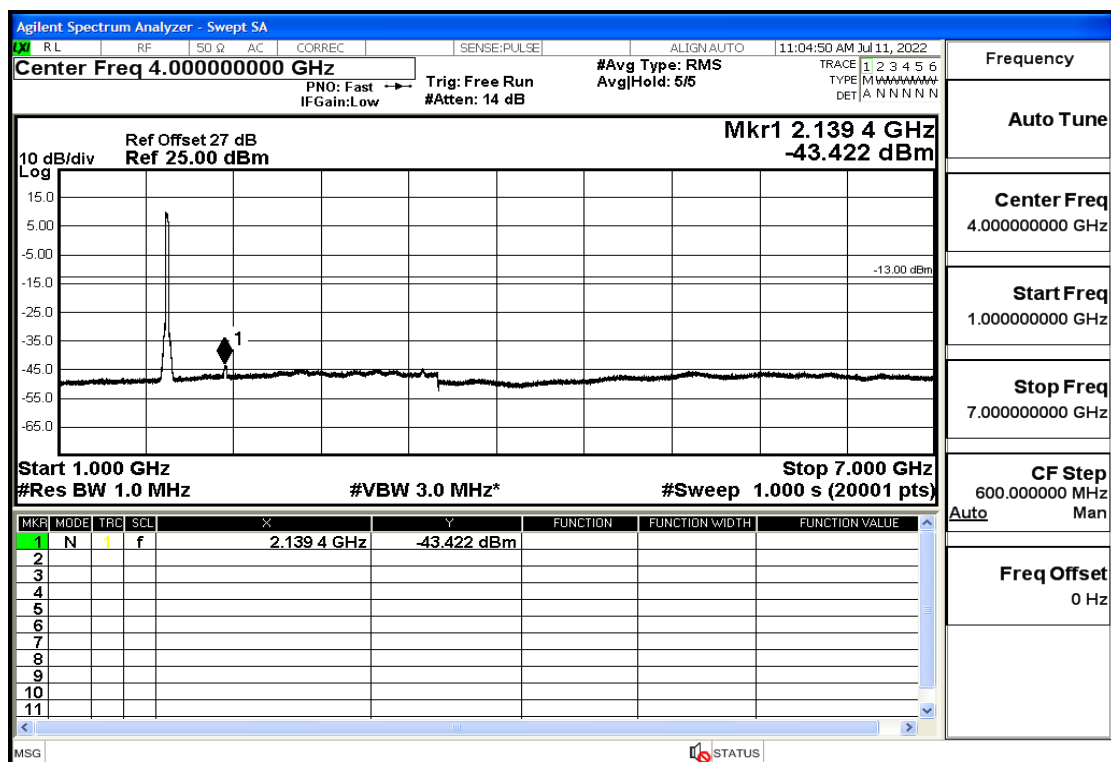
OB4-20-1732.5-Q16-100#LOW@13.6GHz-20GHz@Pass



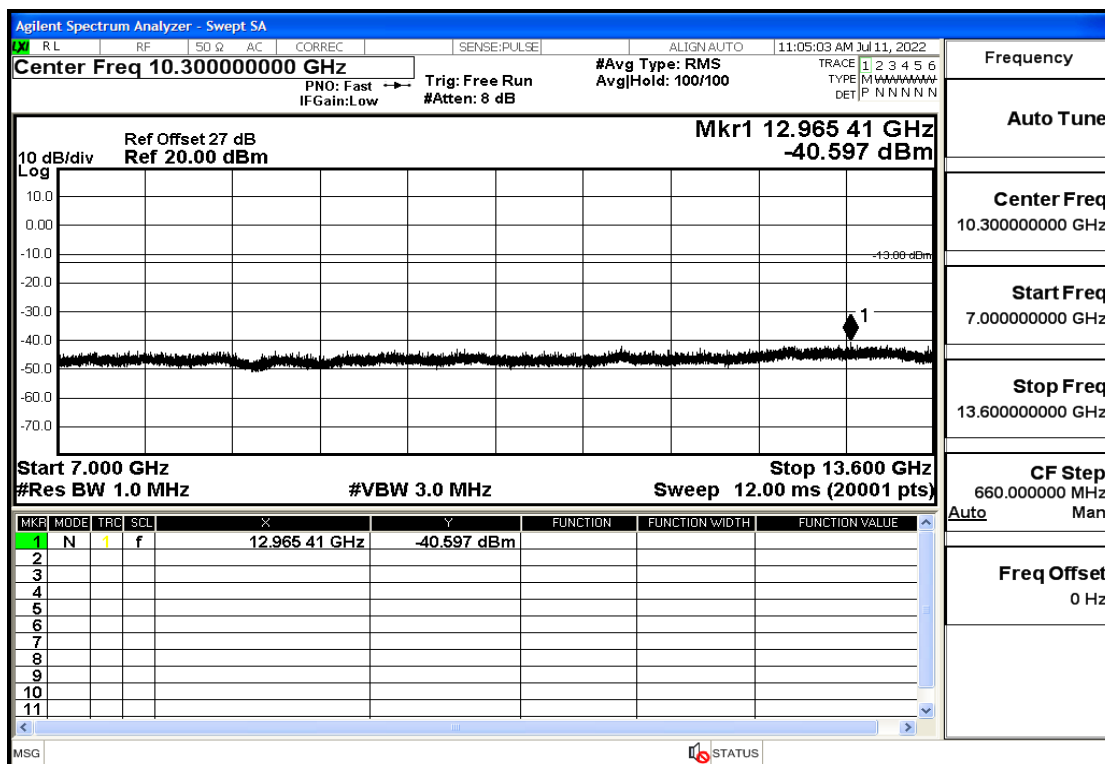
OB4-20-1745-Q16-100#LOW@30mHz-1GHz@Pass



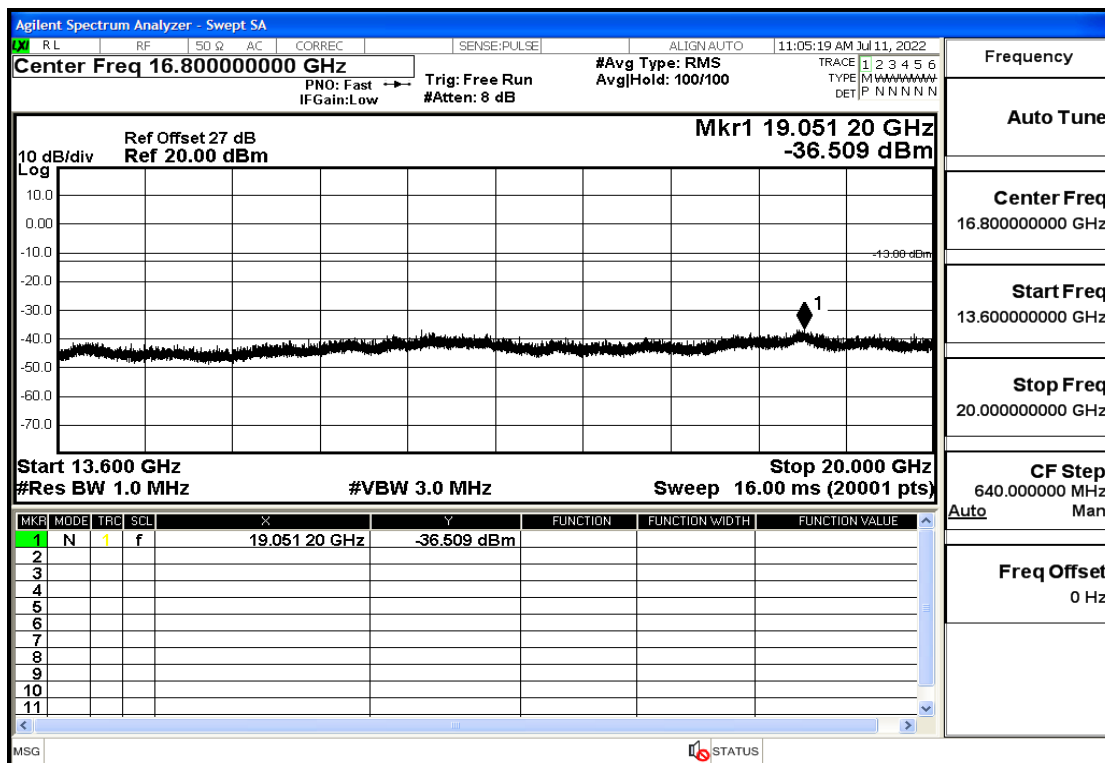
OB4-20-1745-Q16-100#LOW@1GHz-7GHz@Pass



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



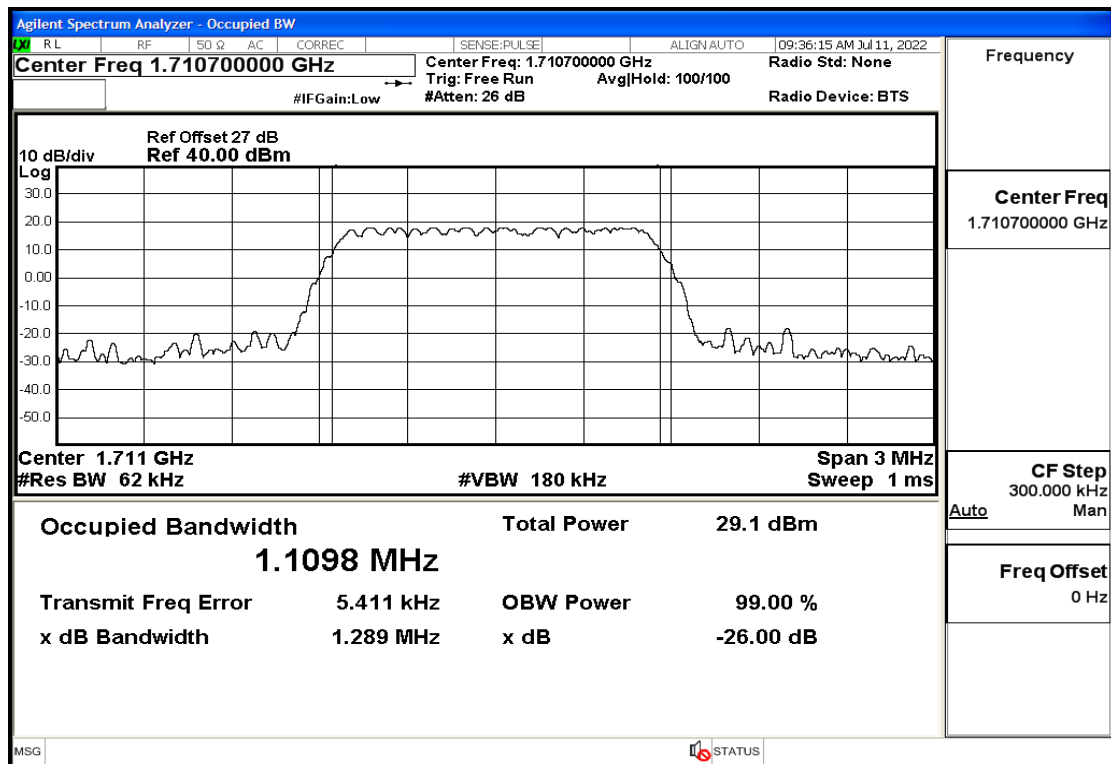
OB4-20-1745-Q16-100#LOW@13.6GHz-20GHz@Pass



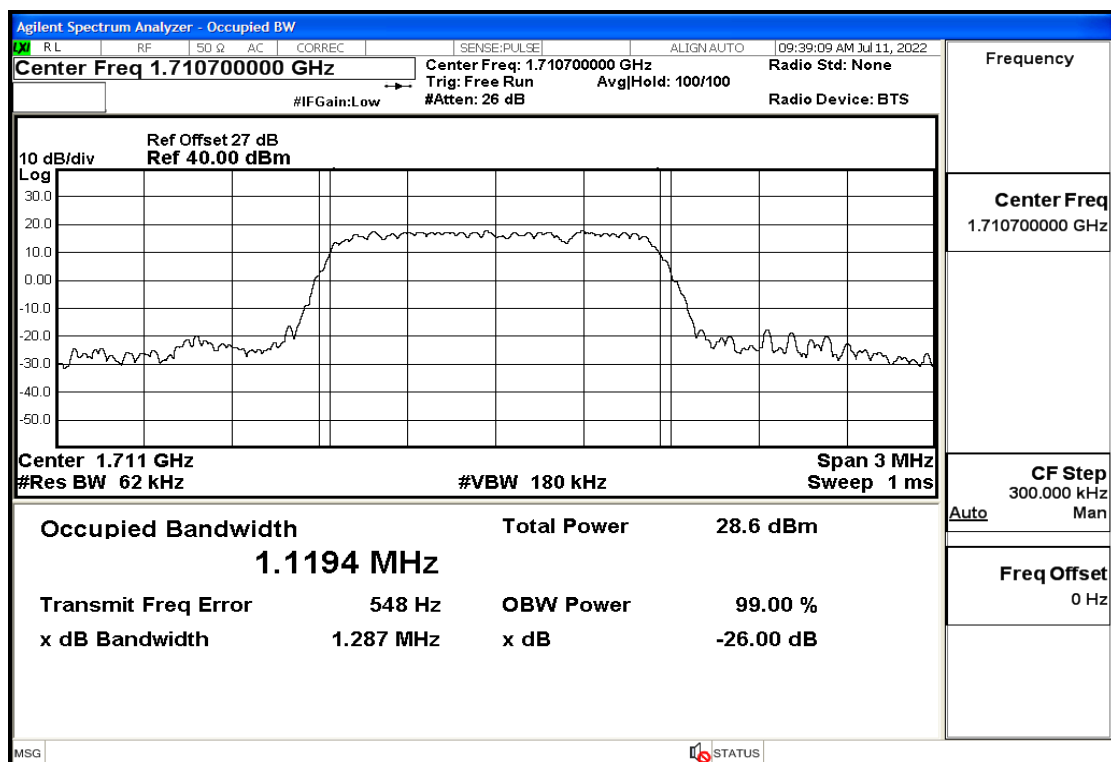
Emission bandwidth and OBW

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	1109.8	1289	No limit
Band4	1.4	1710.7	16QAM	6	LOW	1119.4	1287	No limit
Band4	1.4	1732.5	QPSK	6	LOW	1117.9	1295	No limit
Band4	1.4	1732.5	16QAM	6	LOW	1115.5	1292	No limit
Band4	1.4	1754.3	QPSK	6	LOW	1112.2	1295	No limit
Band4	1.4	1754.3	16QAM	6	LOW	1127.7	1278	No limit
Band4	3	1711.5	QPSK	15	LOW	2749.9	3069	No limit
Band4	3	1711.5	16QAM	15	LOW	2752.3	3101	No limit
Band4	3	1732.5	QPSK	15	LOW	2766.7	3121	No limit
Band4	3	1732.5	16QAM	15	LOW	2757.5	3099	No limit
Band4	3	1753.5	QPSK	15	LOW	2767.7	3107	No limit
Band4	3	1753.5	16QAM	15	LOW	2750.9	3099	No limit
Band4	5	1712.5	QPSK	25	LOW	4572.2	4996	No limit
Band4	5	1712.5	16QAM	25	LOW	4561.3	5030	No limit
Band4	5	1732.5	QPSK	25	LOW	4580.7	5116	No limit
Band4	5	1732.5	16QAM	25	LOW	4574.9	5101	No limit
Band4	5	1752.5	QPSK	25	LOW	4566.7	5012	No limit
Band4	5	1752.5	16QAM	25	LOW	4578.3	5089	No limit
Band4	10	1715	QPSK	50	LOW	9099.7	10210	No limit
Band4	10	1715	16QAM	50	LOW	9097.2	10150	No limit
Band4	10	1732.5	QPSK	50	LOW	9108.9	10010	No limit
Band4	10	1732.5	16QAM	50	LOW	9107.1	10050	No limit
Band4	10	1750	QPSK	50	LOW	9100.8	10060	No limit
Band4	10	1750	16QAM	50	LOW	9097.5	10080	No limit
Band4	15	1717.5	QPSK	75	LOW	13688	15250	No limit
Band4	15	1717.5	16QAM	75	LOW	13688	15150	No limit
Band4	15	1732.5	QPSK	75	LOW	13688	15170	No limit
Band4	15	1732.5	16QAM	75	LOW	13681	15300	No limit
Band4	15	1747.5	QPSK	75	LOW	13640	15210	No limit
Band4	15	1747.5	16QAM	75	LOW	13719	15420	No limit
Band4	20	1720	QPSK	100	LOW	18256	20220	No limit
Band4	20	1720	16QAM	100	LOW	18299	19970	No limit
Band4	20	1732.5	QPSK	100	LOW	18264	20240	No limit
Band4	20	1732.5	16QAM	100	LOW	18238	20150	No limit
Band4	20	1745	QPSK	100	LOW	18298	20270	No limit
Band4	20	1745	16QAM	100	LOW	18314	19820	No limit

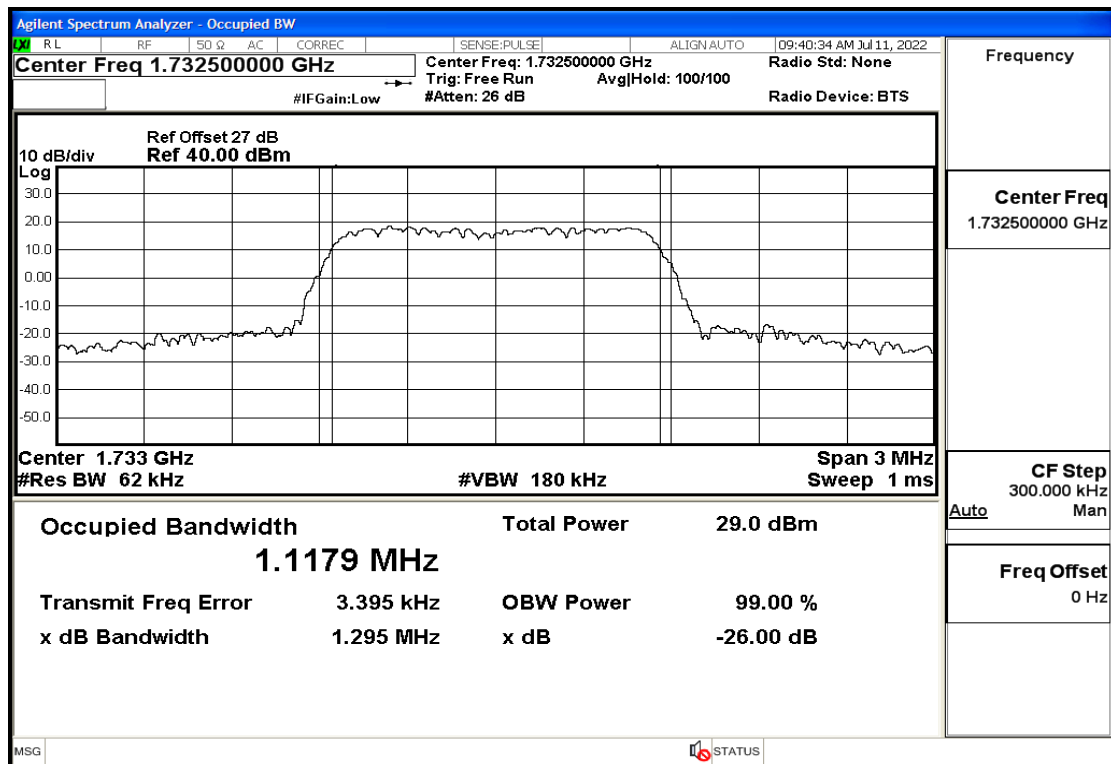
Band4-1.4-1710.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



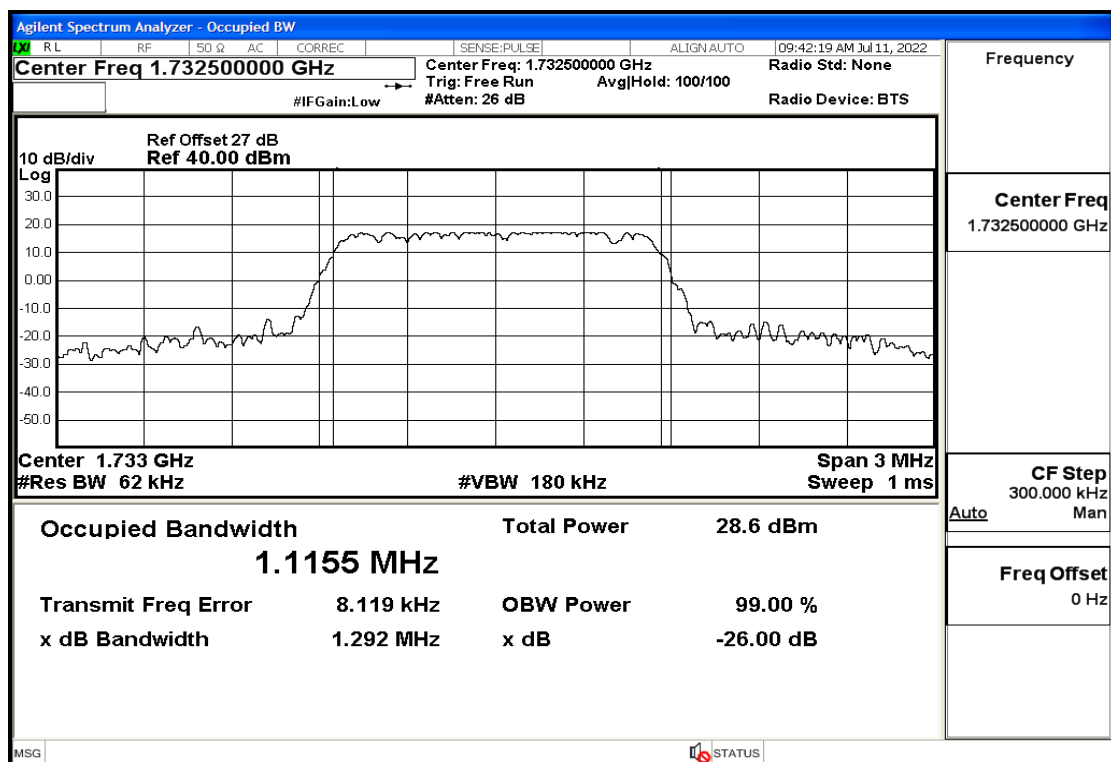
Band4-1.4-1710.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



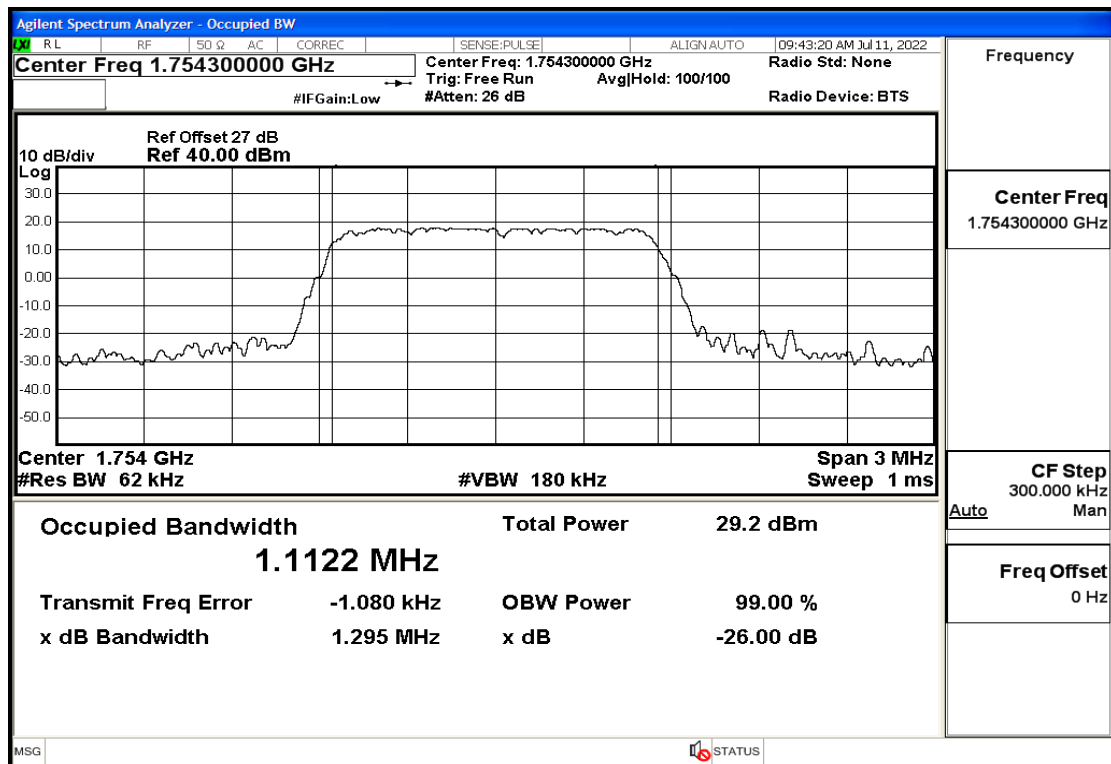
Band4-1.4-1732.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



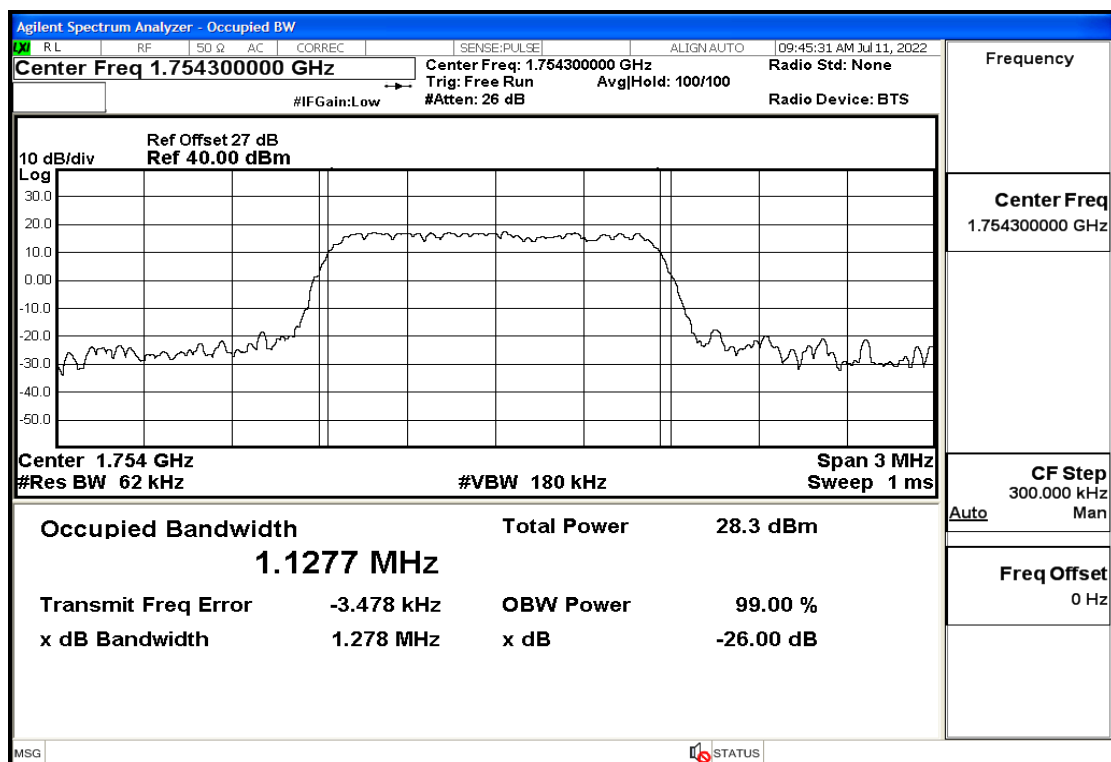
Band4-1.4-1732.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



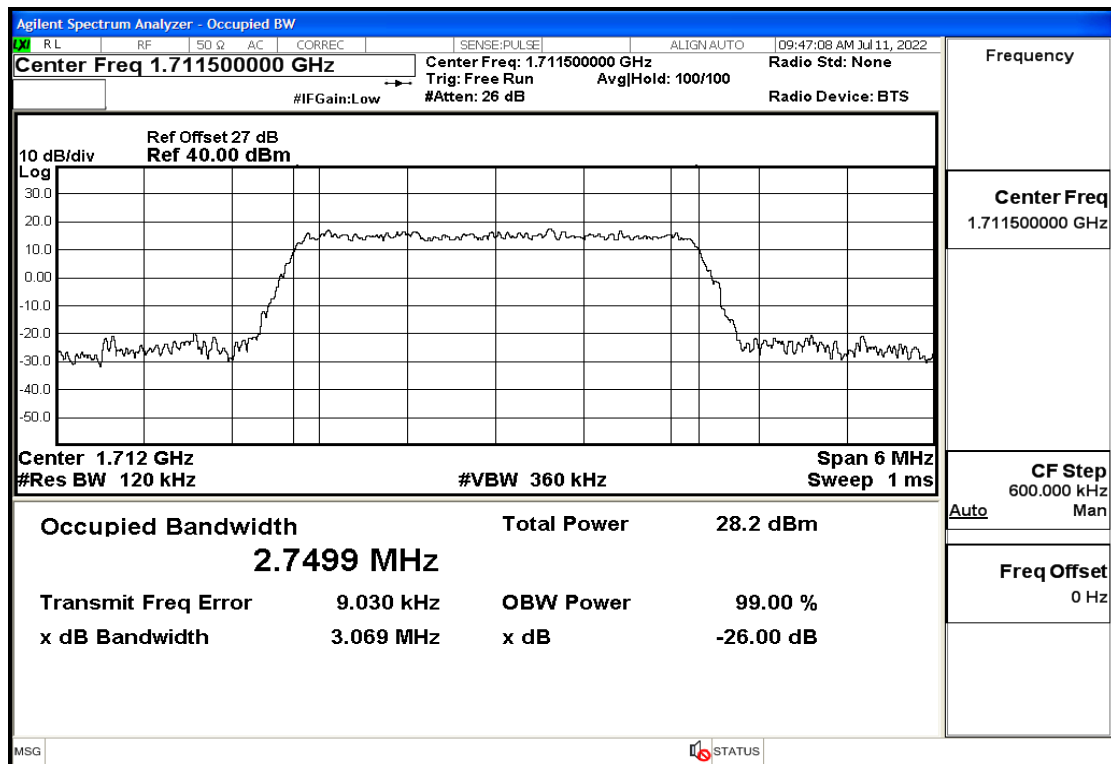
Band4-1.4-1754.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



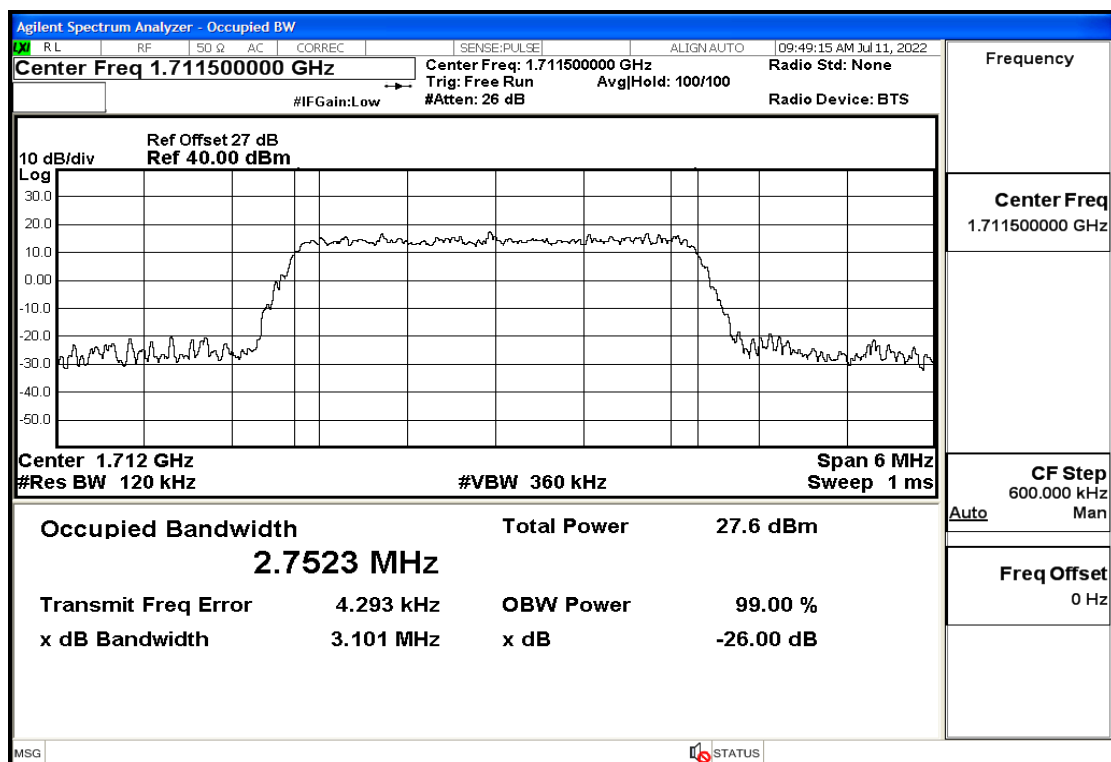
Band4-1.4-1754.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



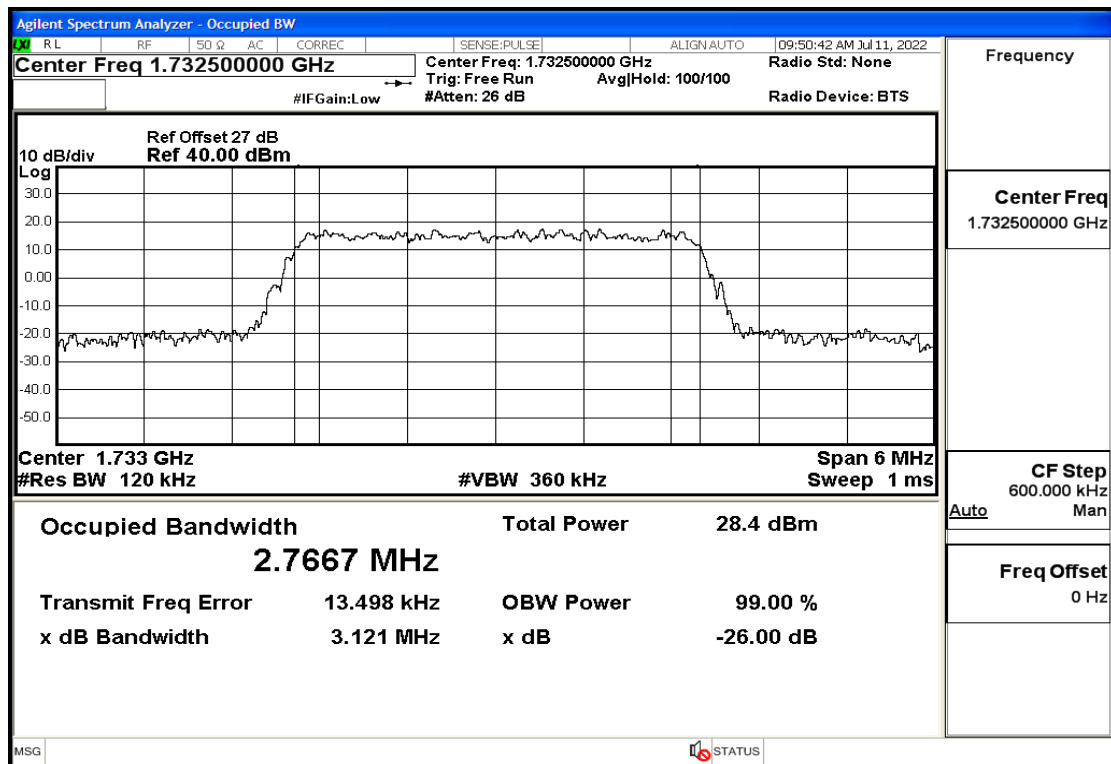
Band4-3-1711.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



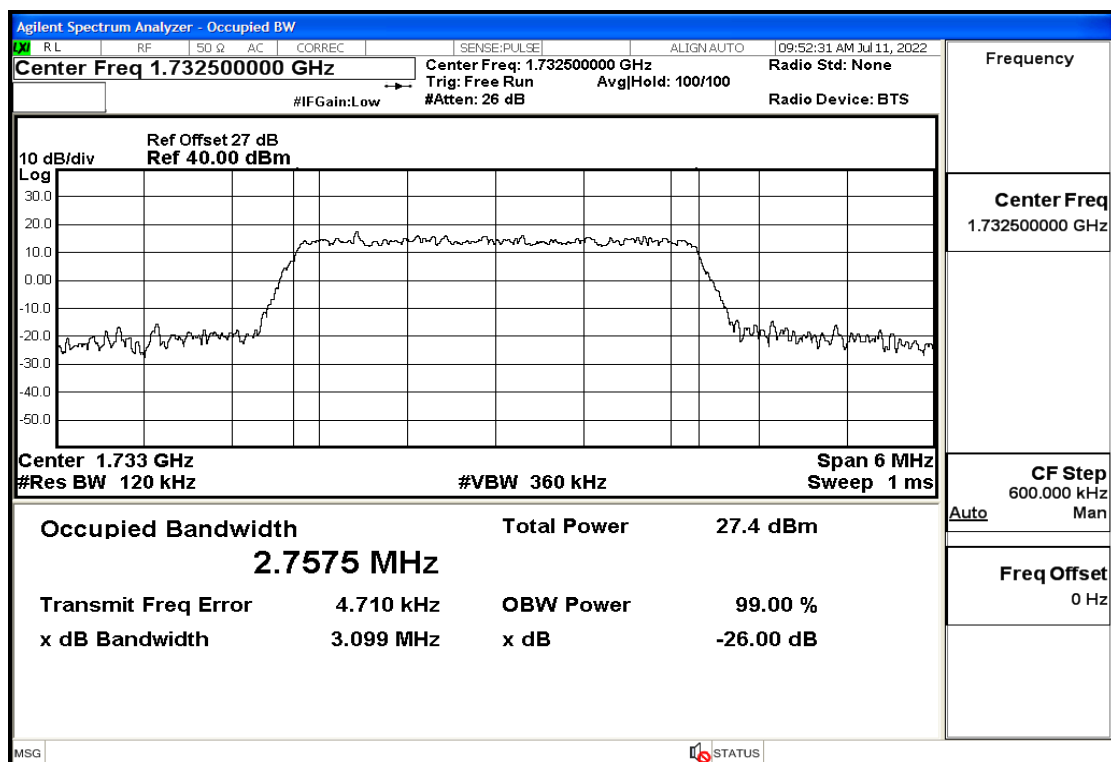
Band4-3-1711.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



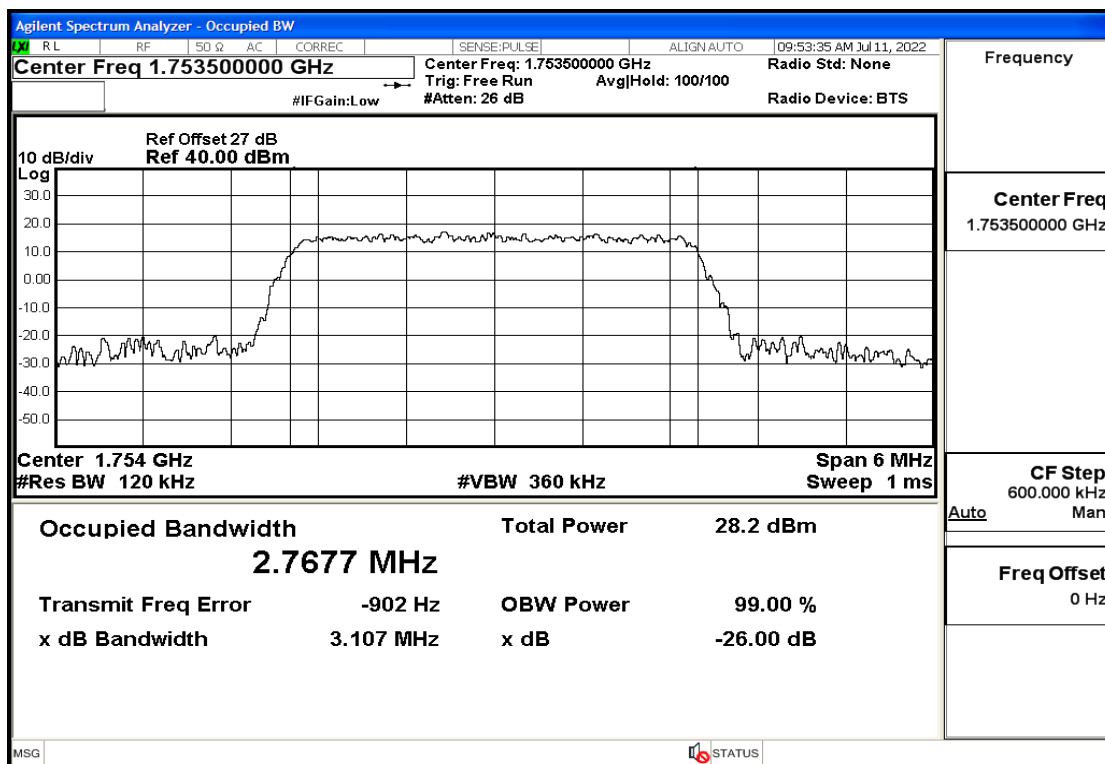
Band4-3-1732.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



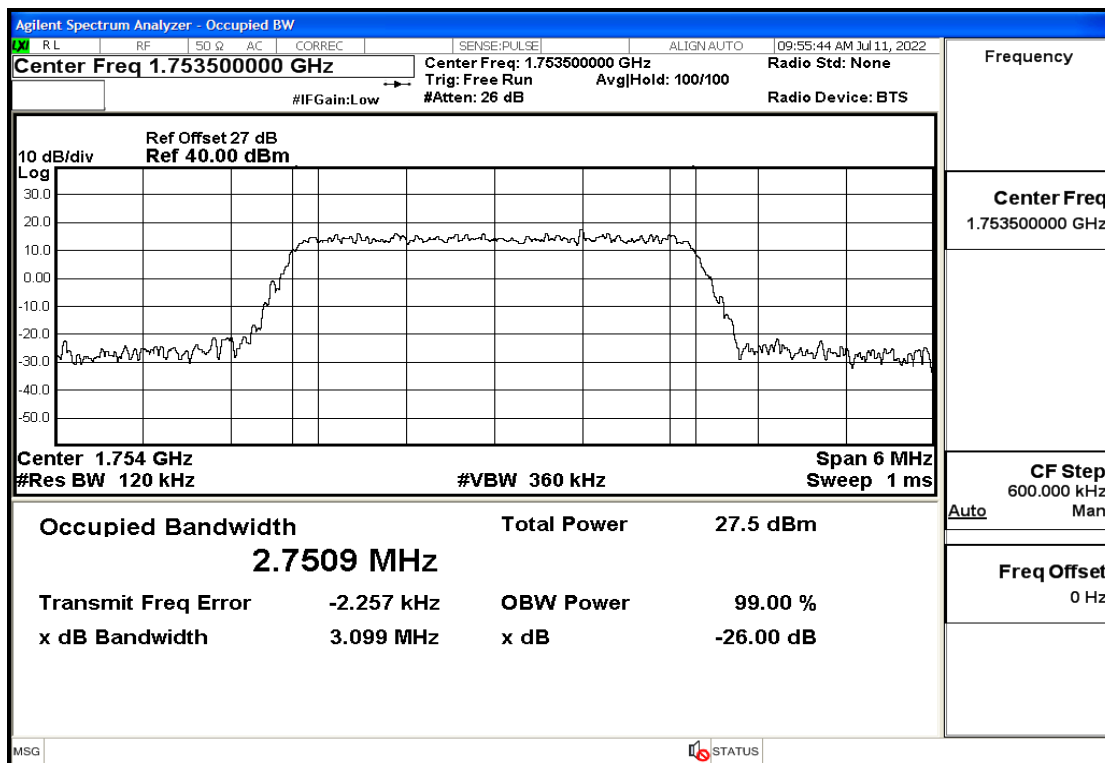
Band4-3-1732.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



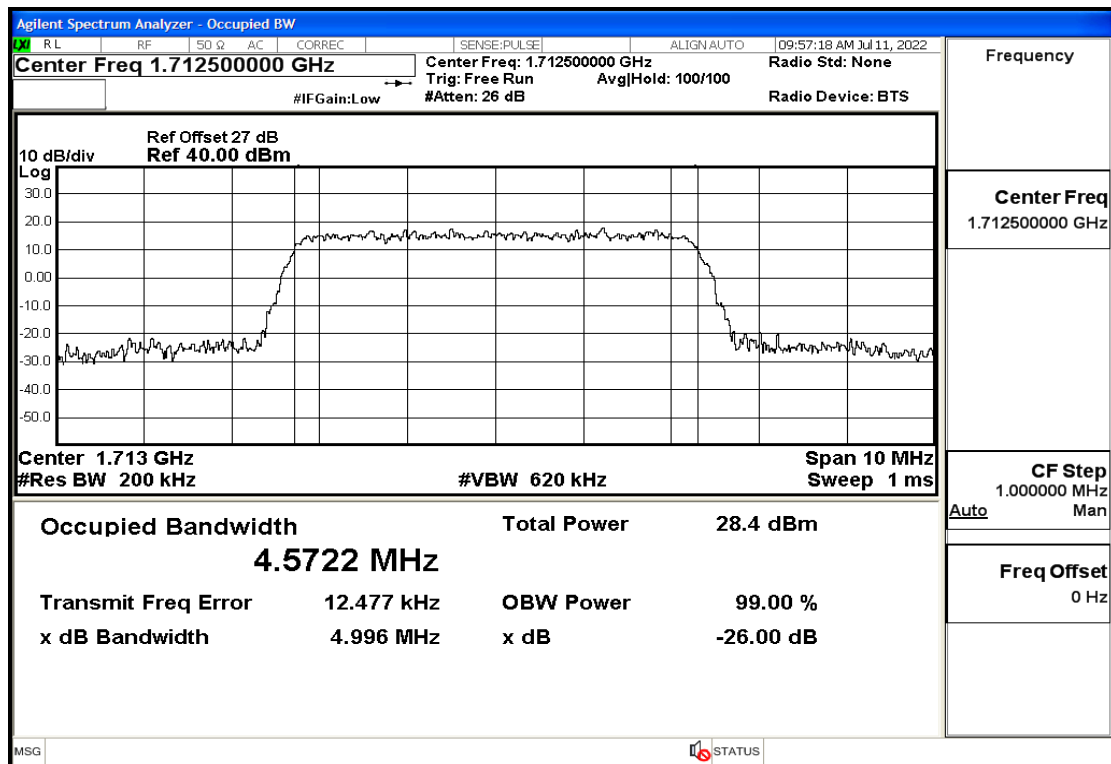
Band4-3-1753.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



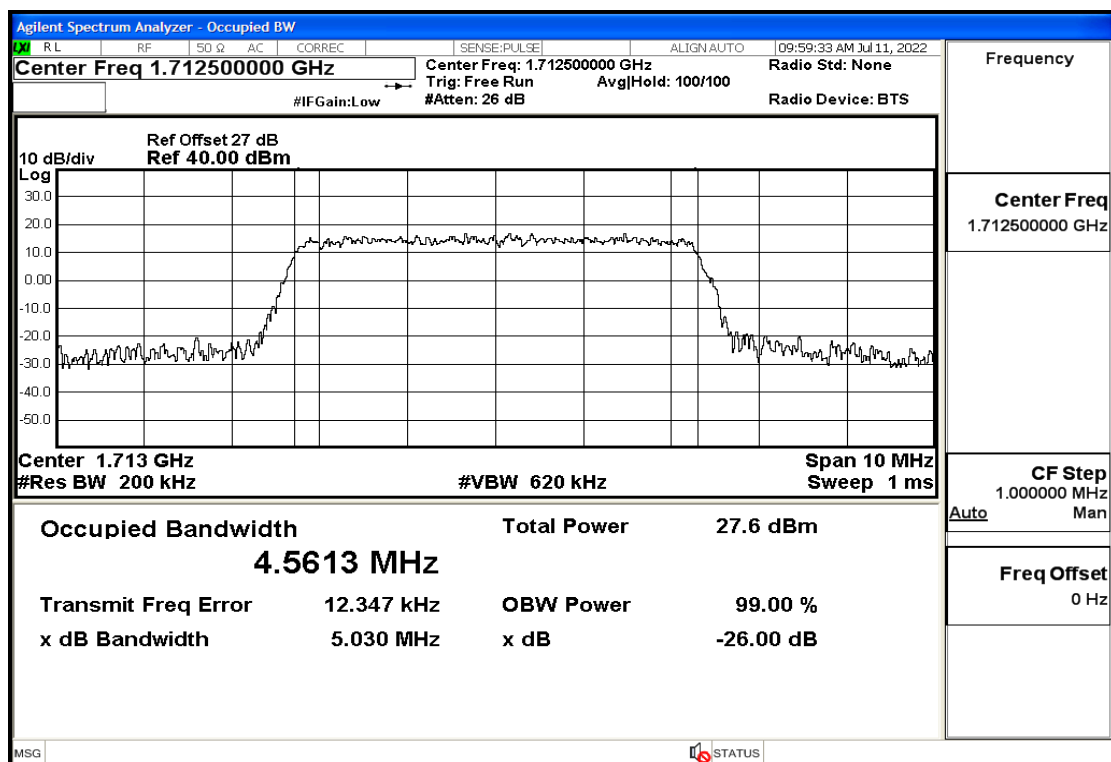
Band4-3-1753.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



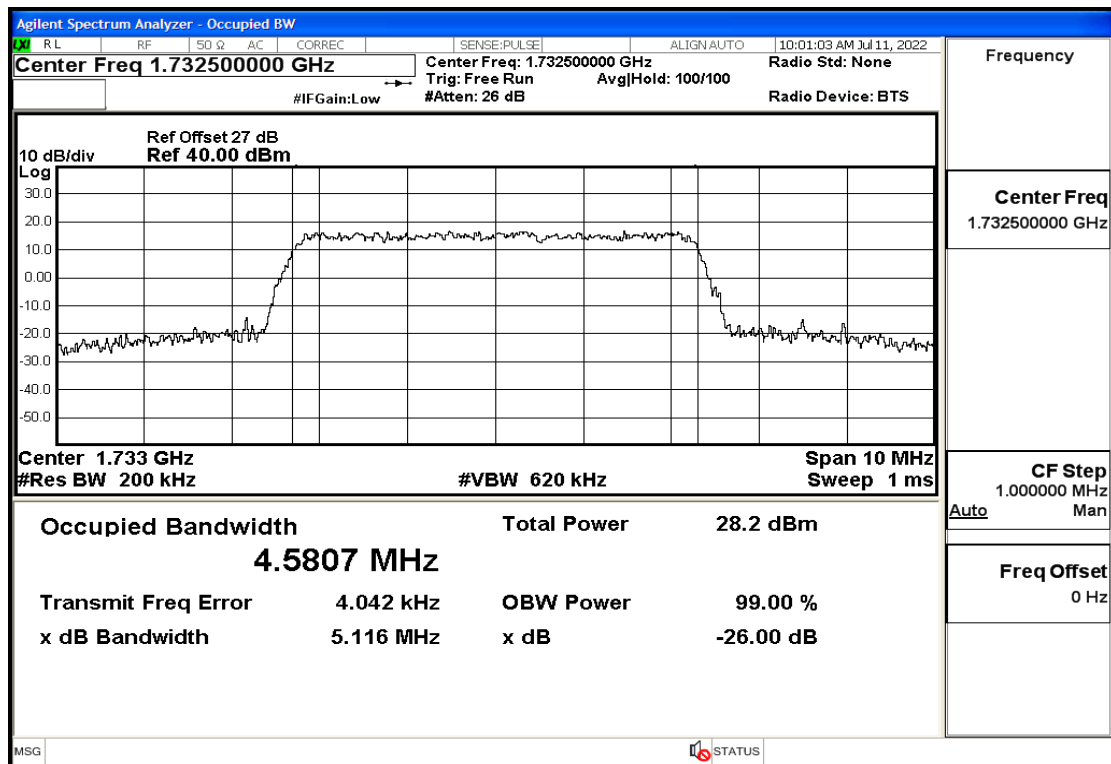
Band4-5-1712.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



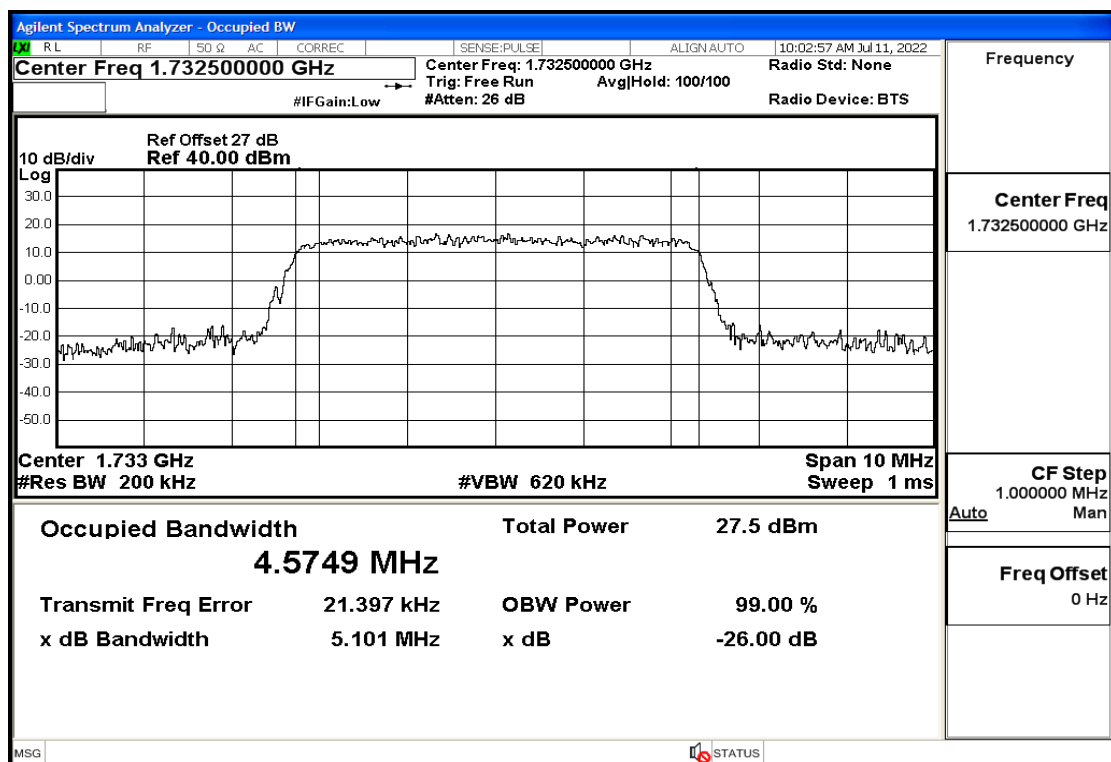
Band4-5-1712.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



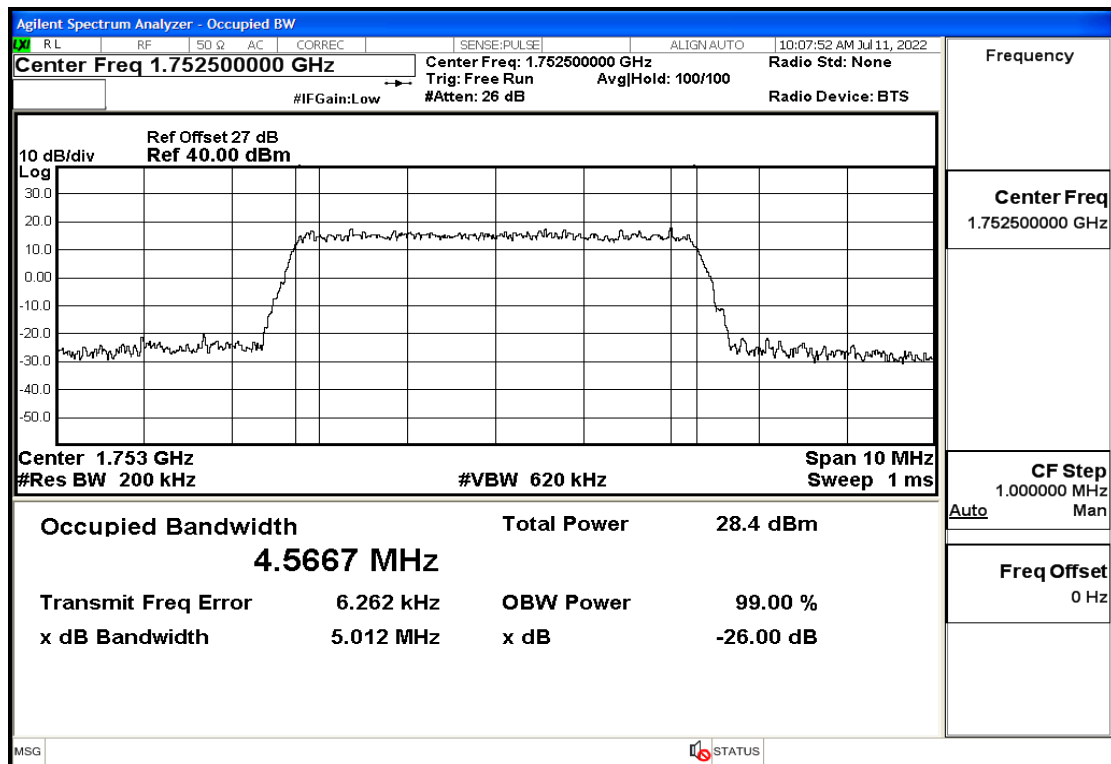
Band4-5-1732.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



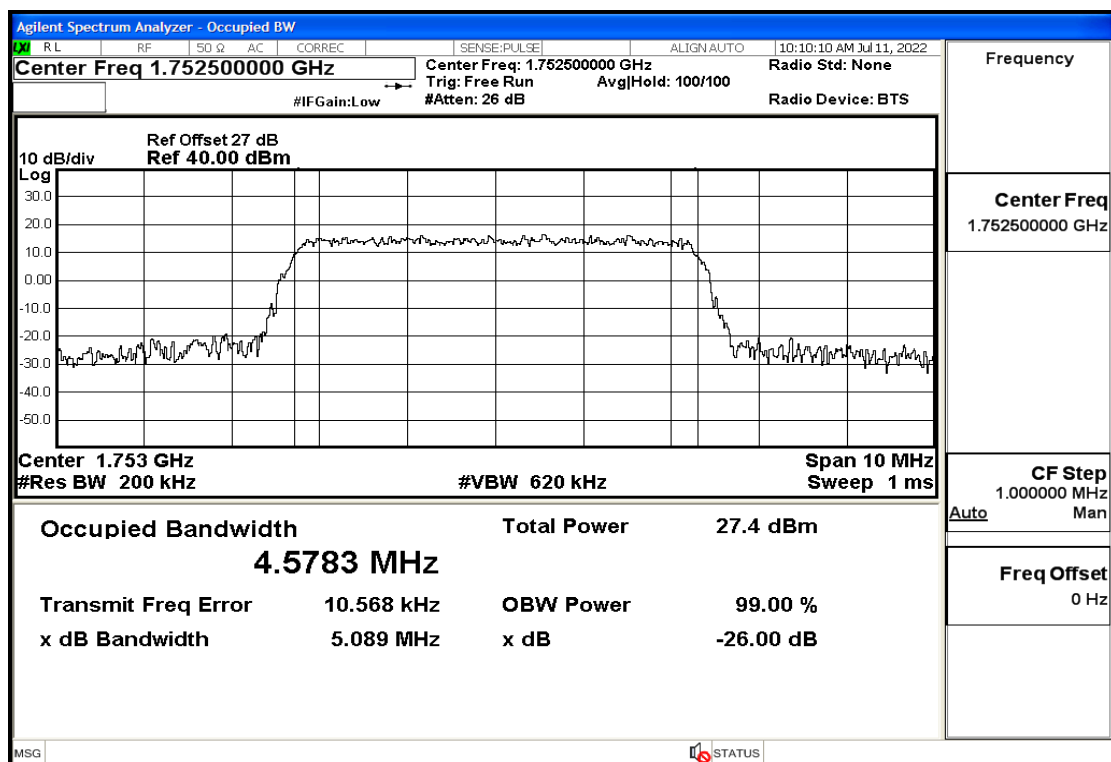
Band4-5-1732.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



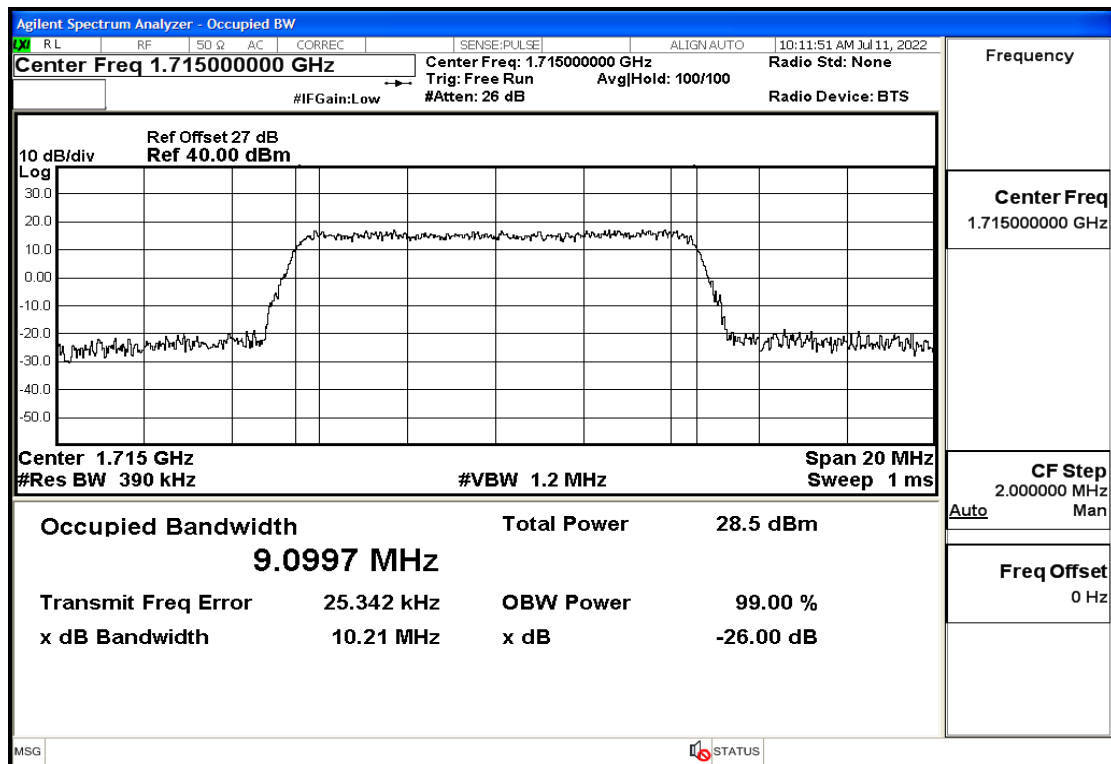
Band4-5-1752.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



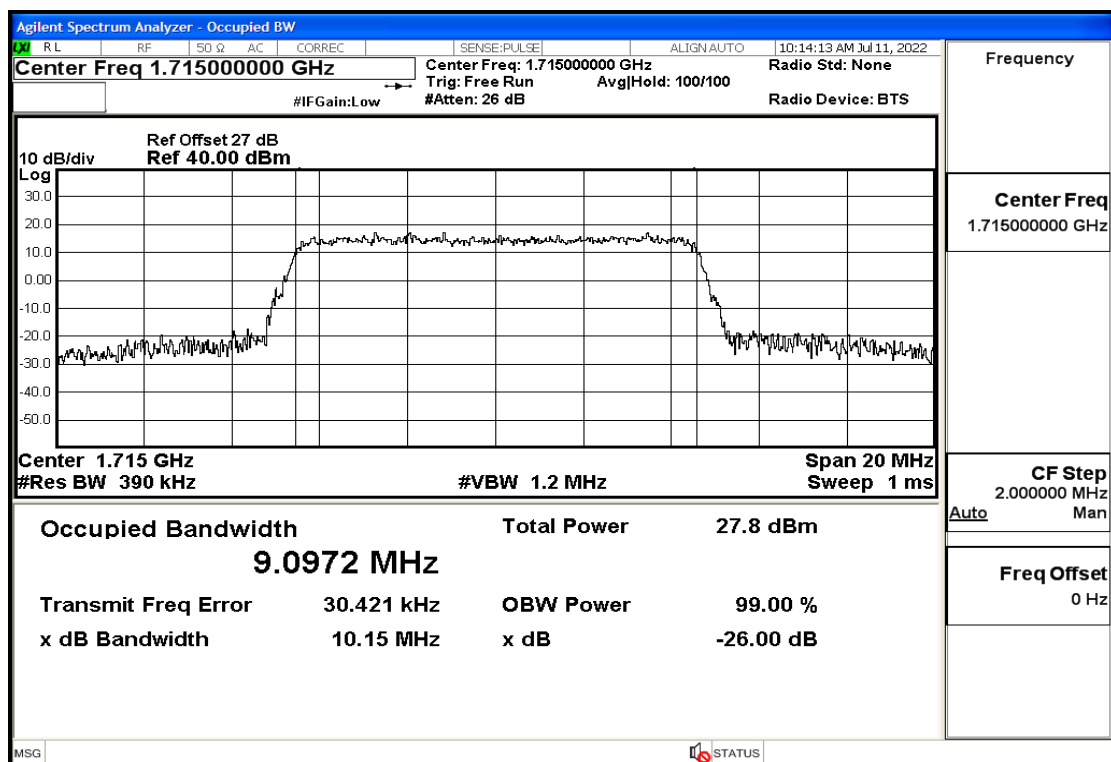
Band4-5-1752.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



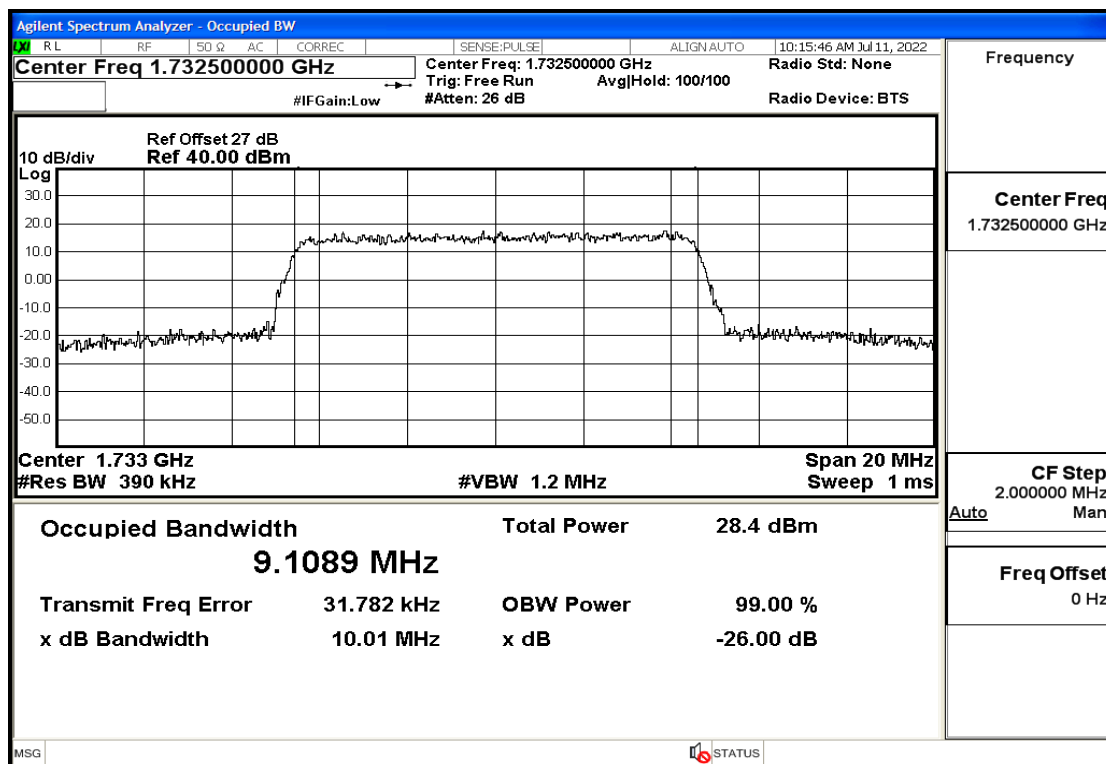
Band4-10-1715-QPSK-50#LOW@26dB and 99PCT Bandwidth



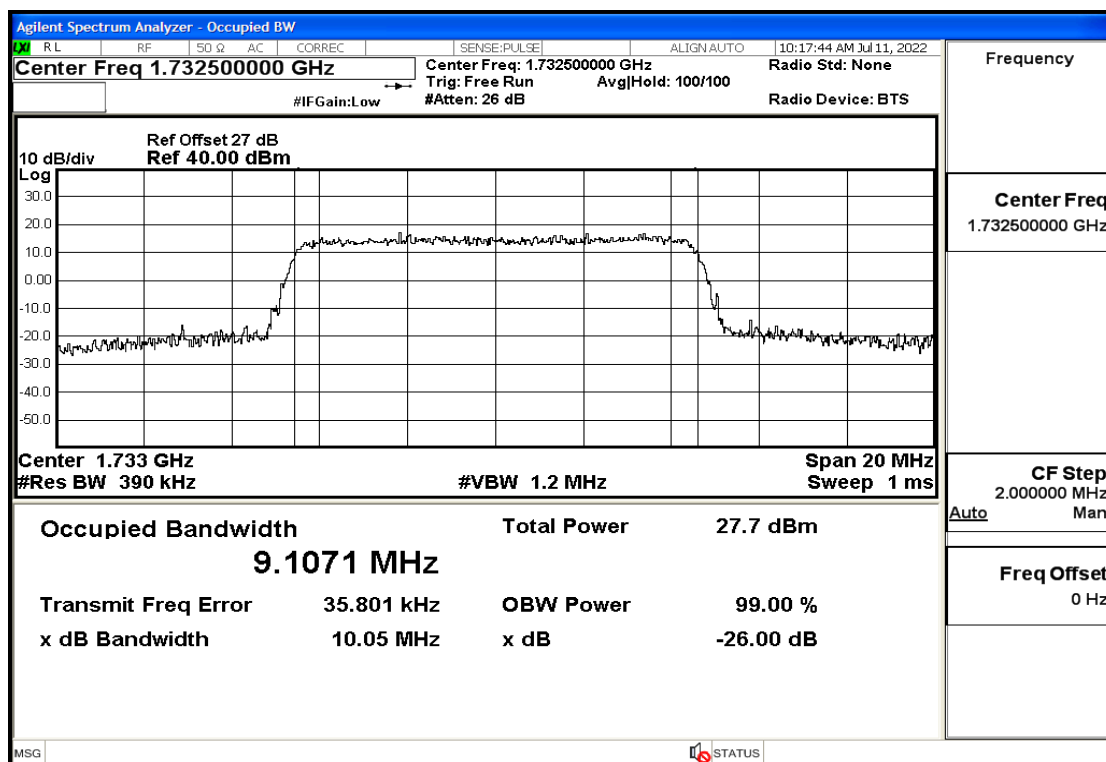
Band4-10-1715-16QAM-50#LOW@26dB and 99PCT Bandwidth



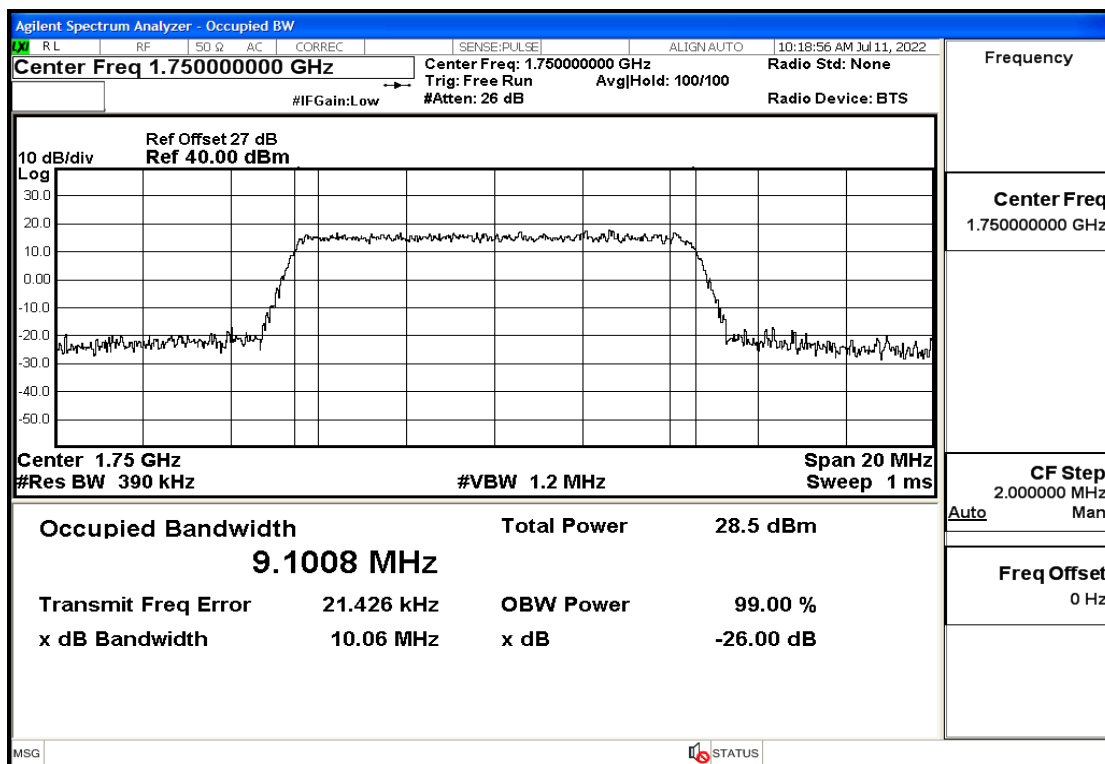
Band4-10-1732.5-QPSK-50#LOW@26dB and 99PCT Bandwidth



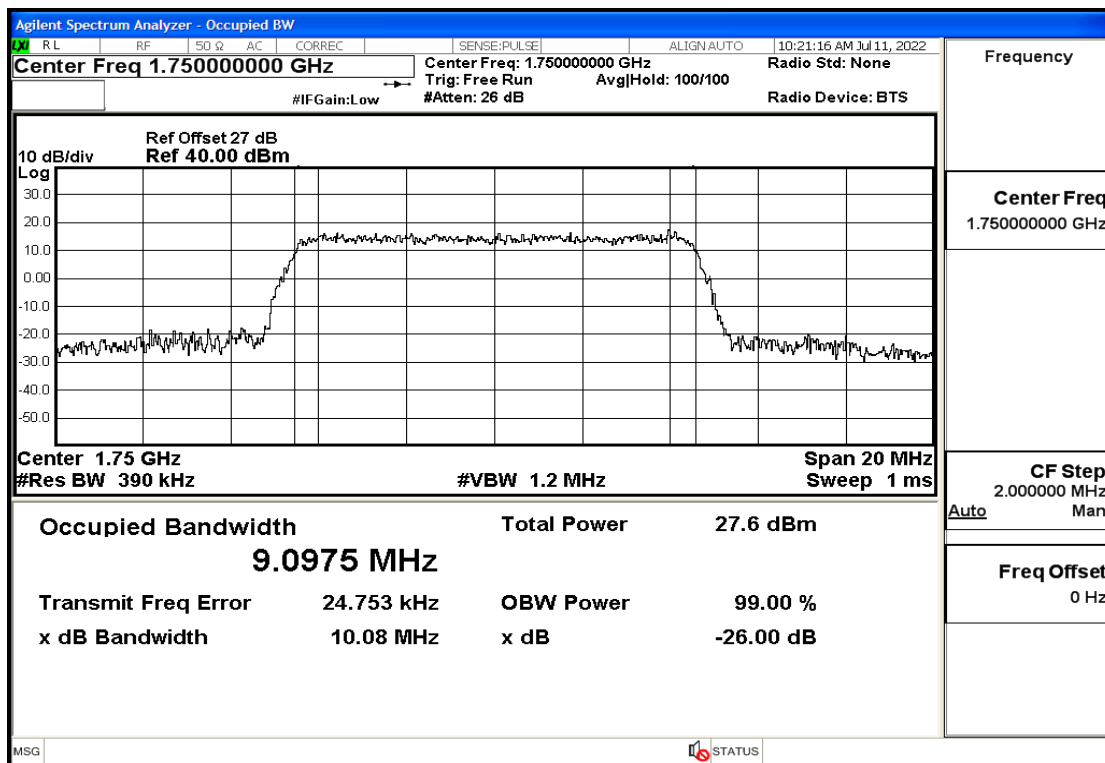
Band4-10-1732.5-16QAM-50#LOW@26dB and 99PCT Bandwidth



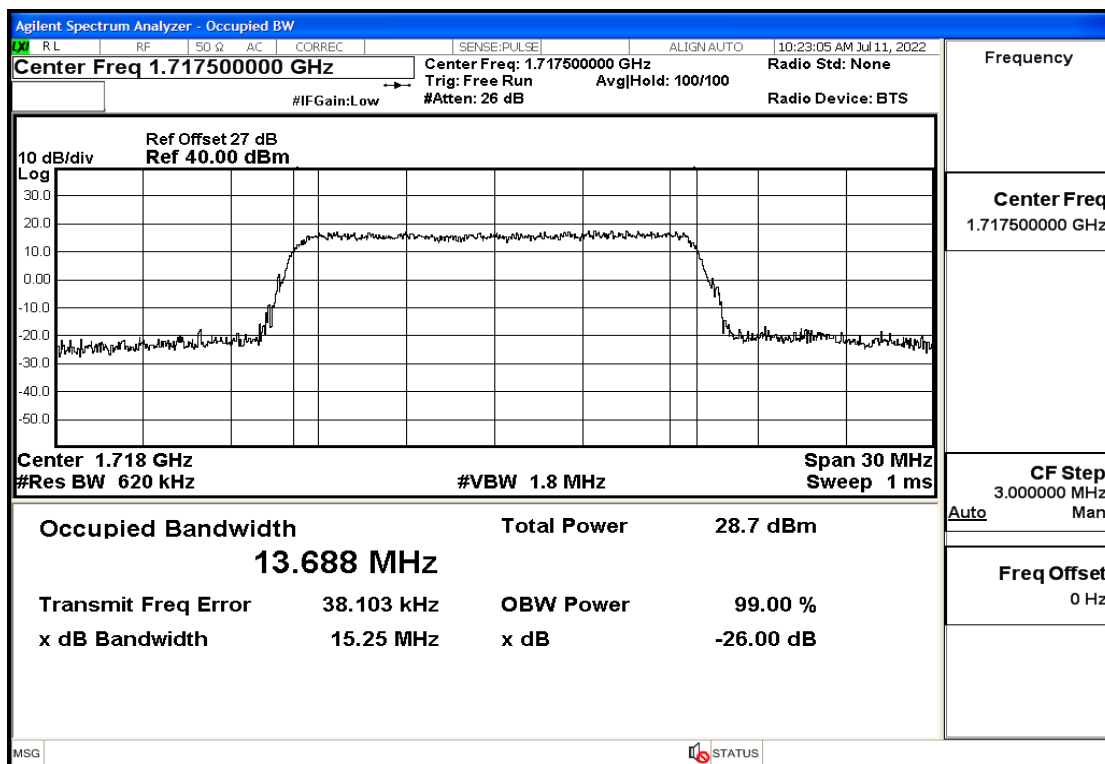
Band4-10-1750-QPSK-50#LOW@26dB and 99PCT Bandwidth



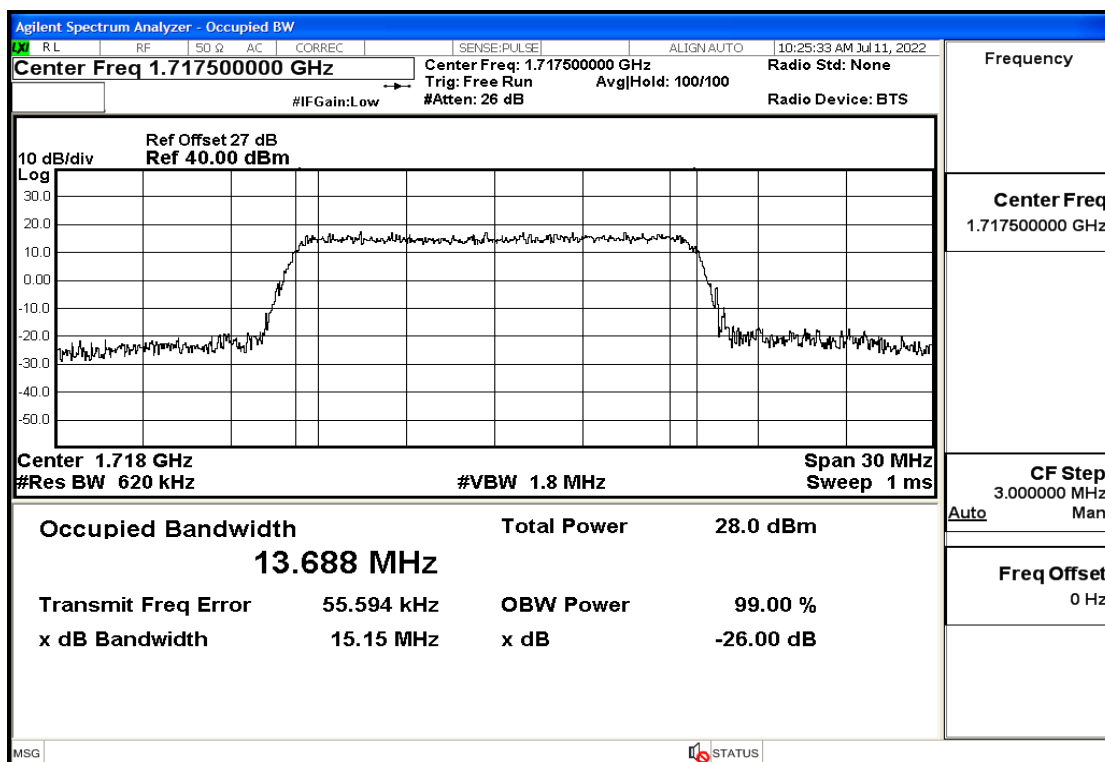
Band4-10-1750-16QAM-50#LOW@26dB and 99PCT Bandwidth



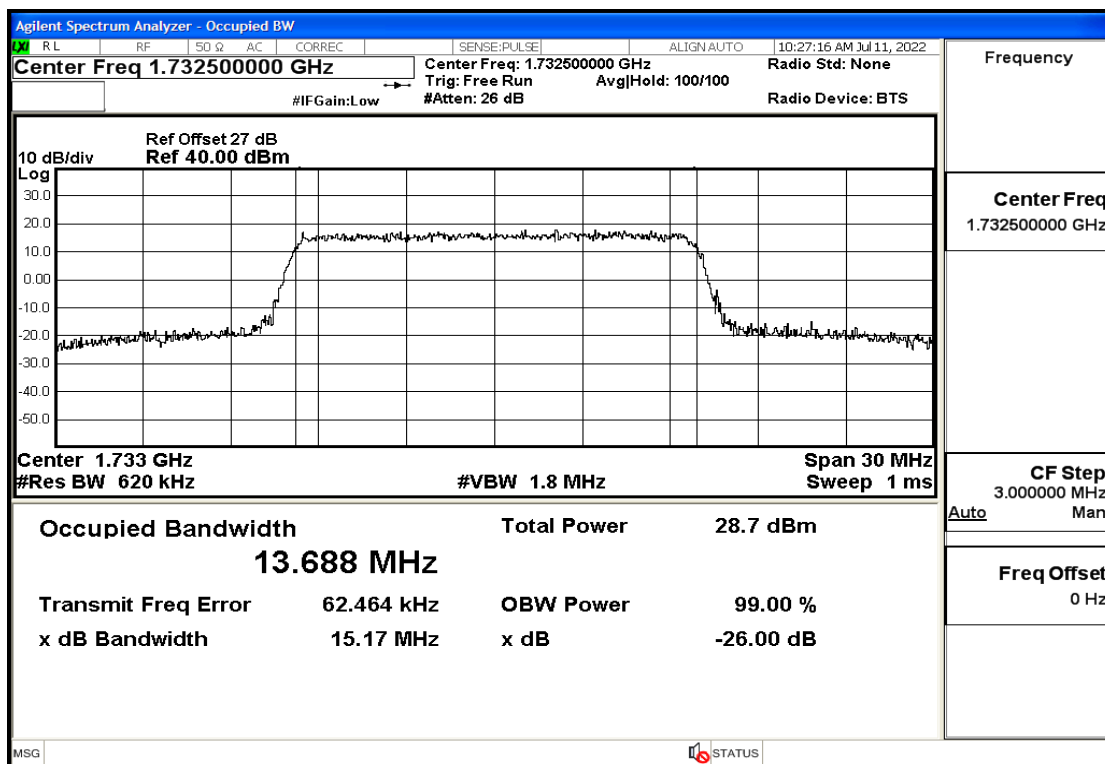
Band4-15-1717.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



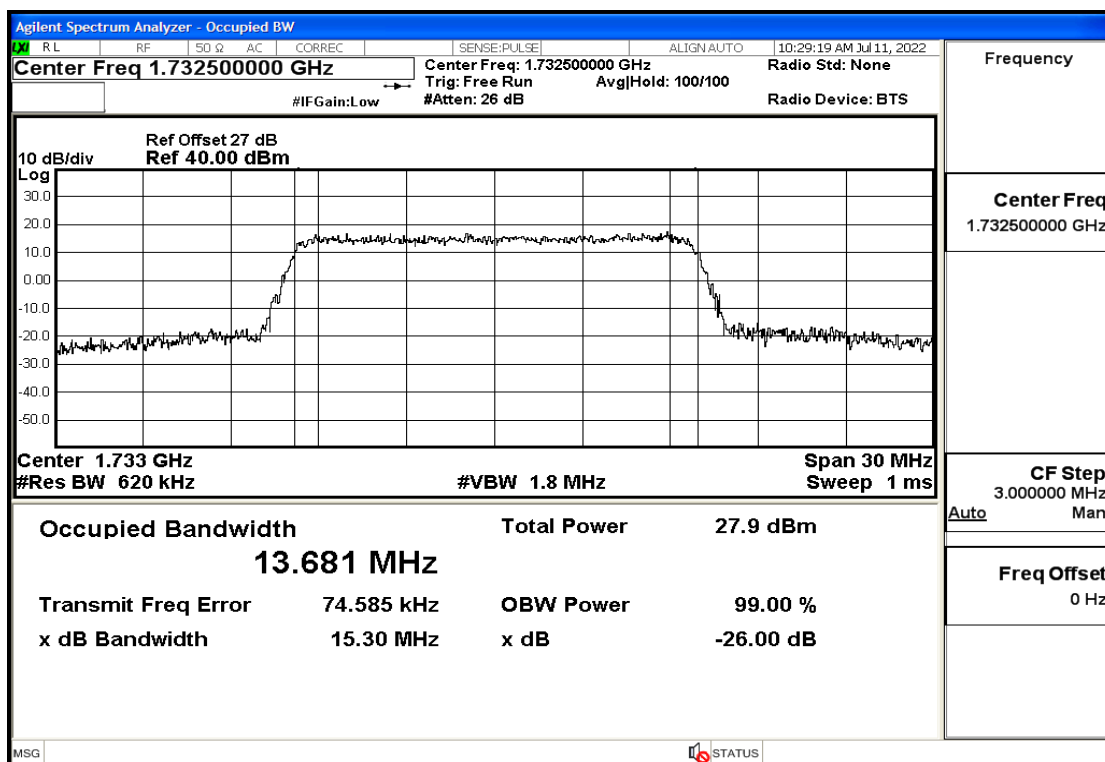
Band4-15-1717.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



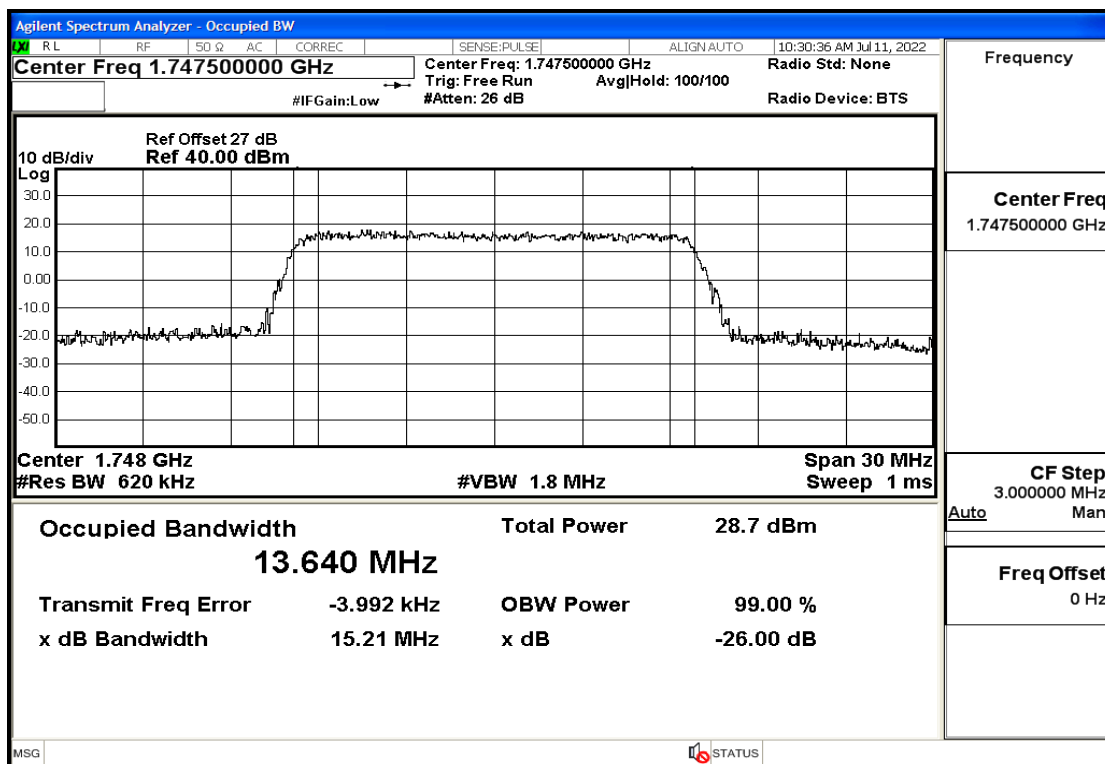
Band4-15-1732.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



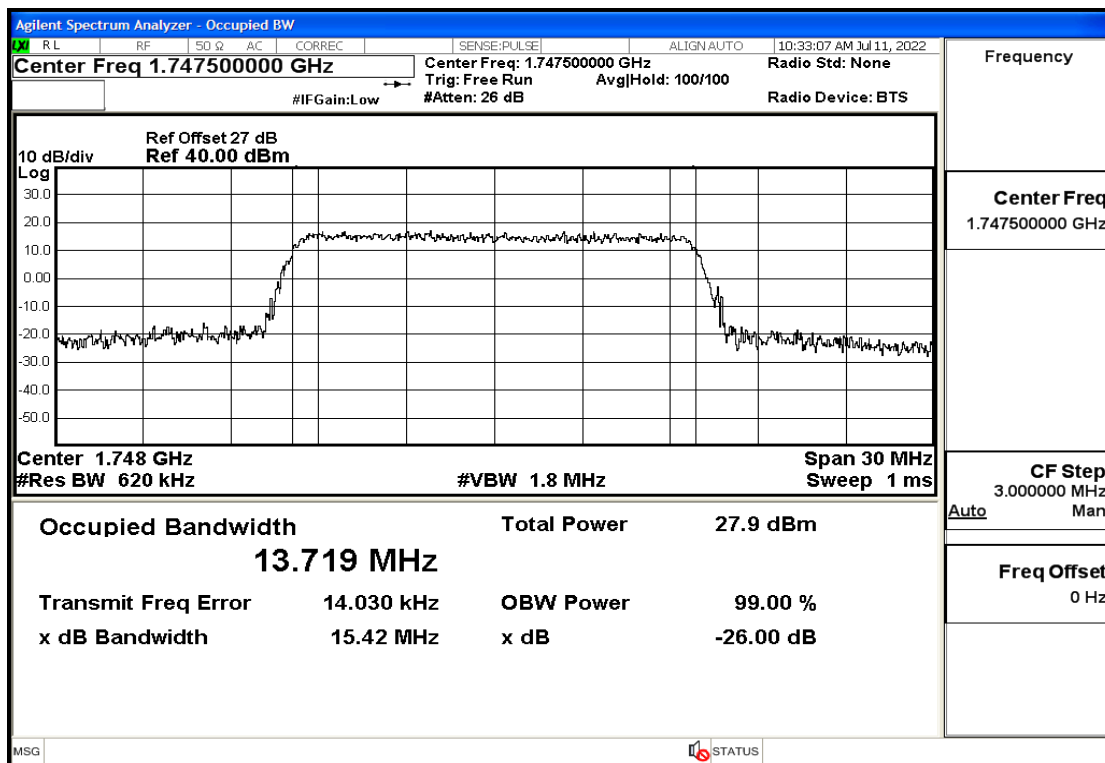
Band4-15-1732.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



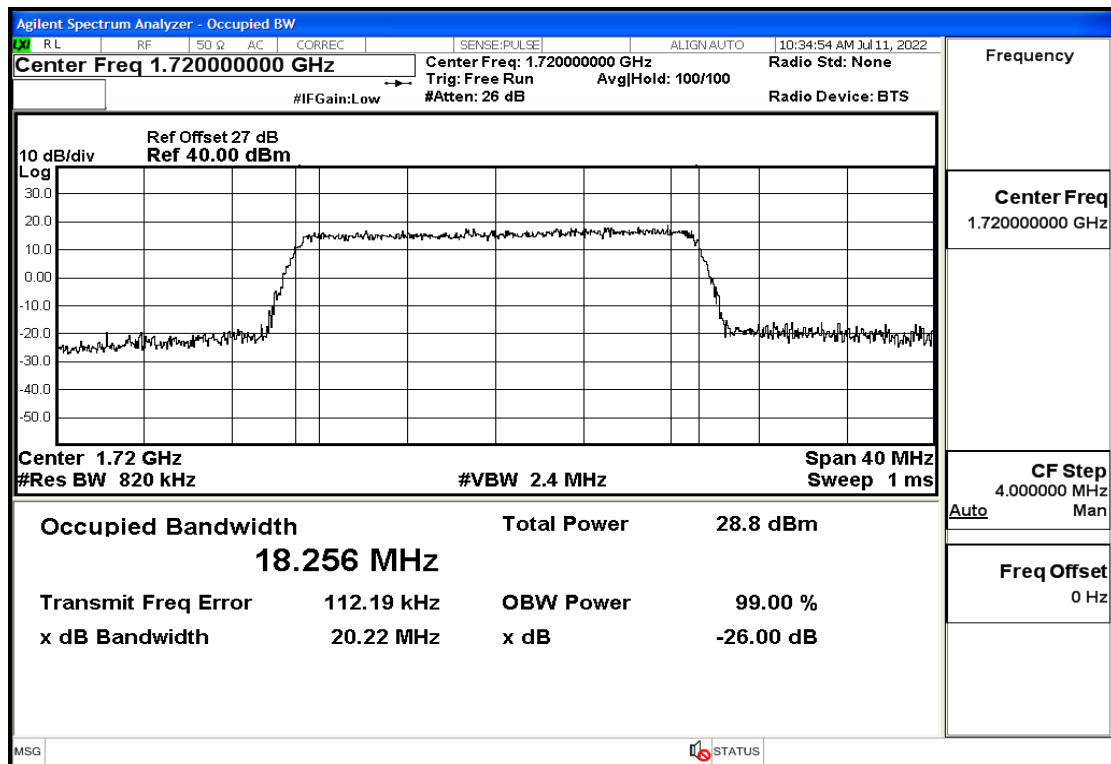
Band4-15-1747.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



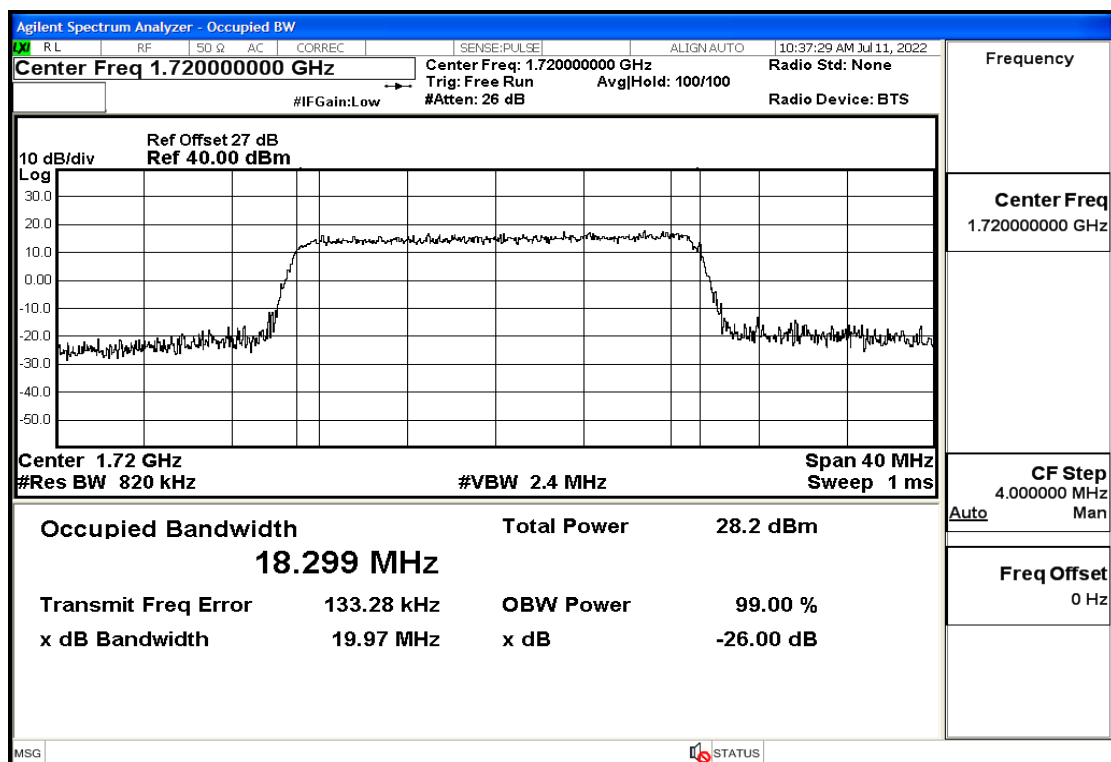
Band4-15-1747.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



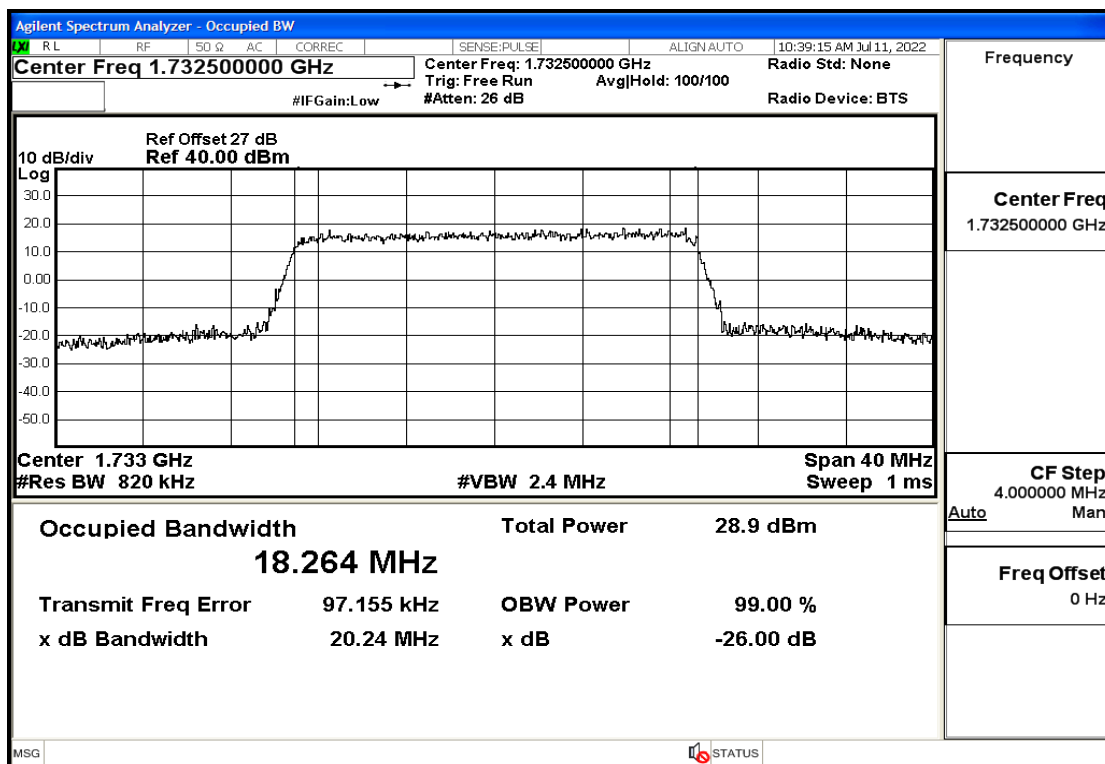
Band4-20-1720-QPSK-100#LOW@26dB and 99PCT Bandwidth



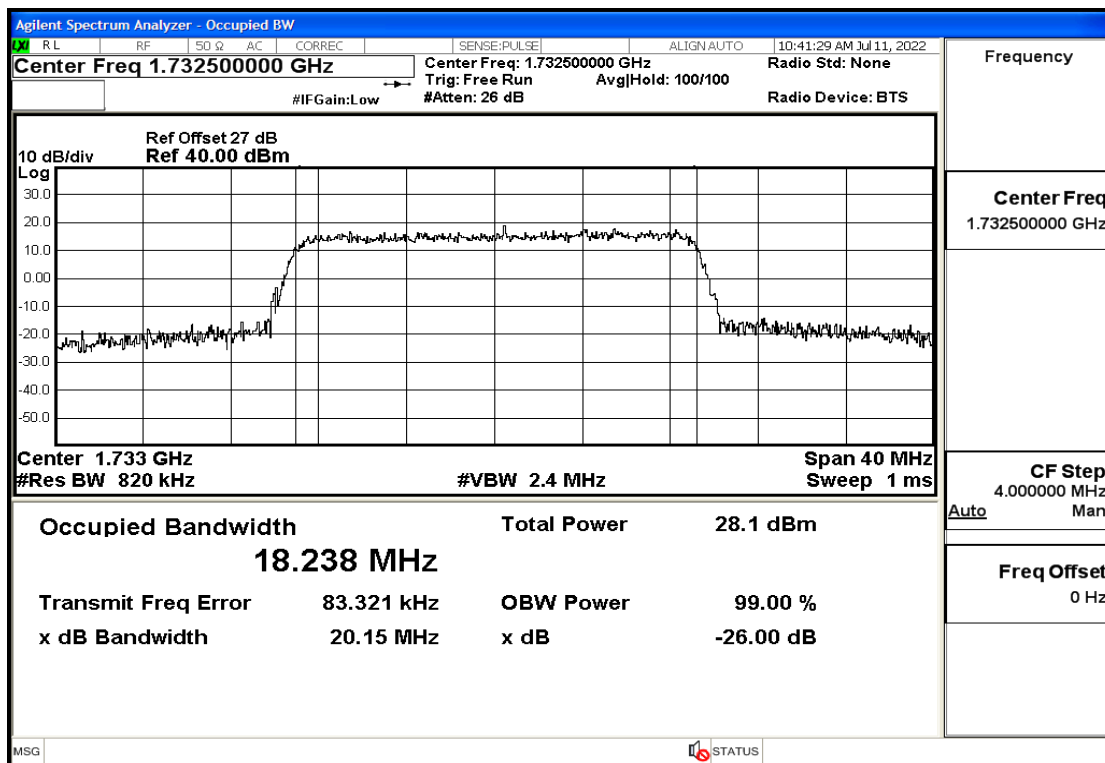
Band4-20-1720-16QAM-100#LOW@26dB and 99PCT Bandwidth



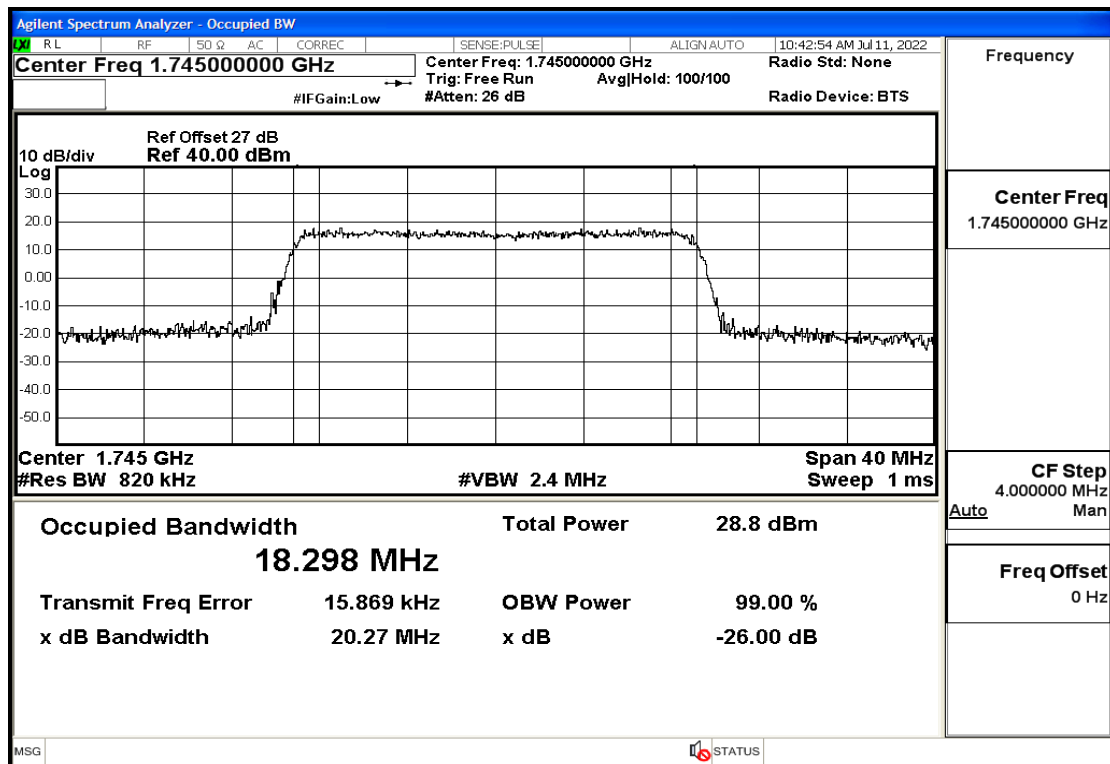
Band4-20-1732.5-QPSK-100#LOW@26dB and 99PCT Bandwidth



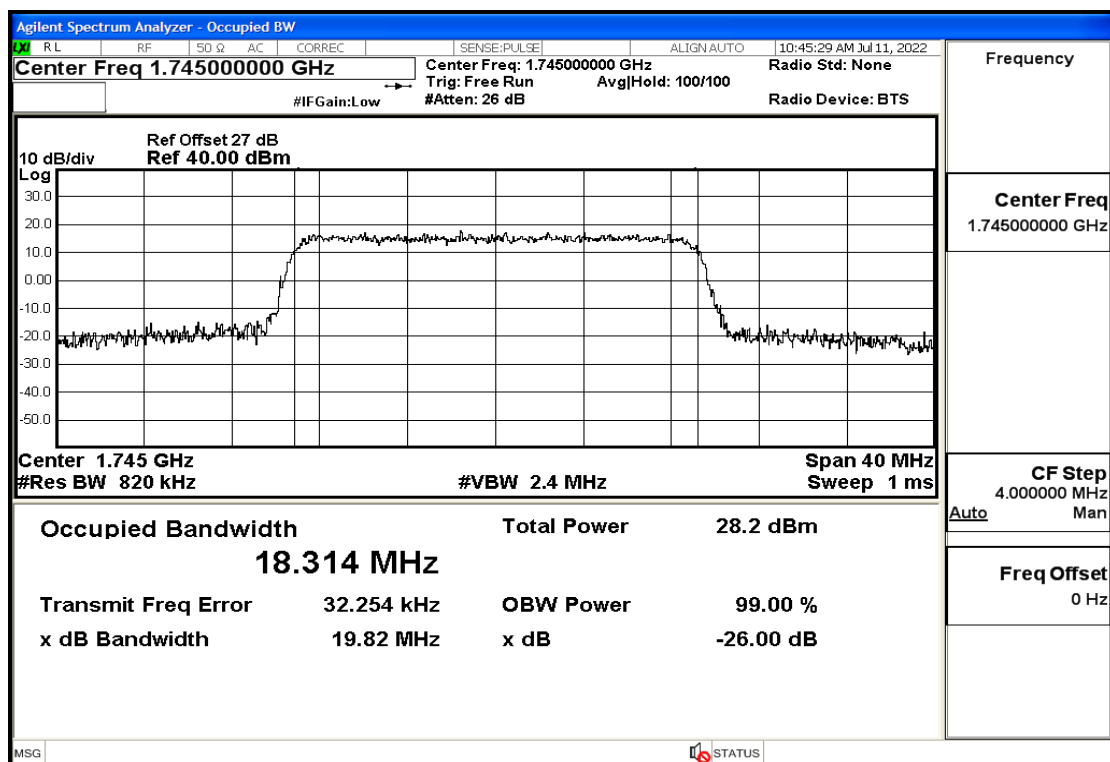
Band4-20-1732.5-16QAM-100#LOW@26dB and 99PCT Bandwidth



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	0.0622	PASS
40	Normal Voltage	0.0336	
30	Normal Voltage	0.0186	
20(Ref.)	Normal Voltage	0.0297	
10	Normal Voltage	0.0637	
0	Normal Voltage	0.0199	
-10	Normal Voltage	0.0417	
-20	Normal Voltage	0.0398	
-30	Normal Voltage	0.0183	
20	Maximum Voltage	0.0162	
20	Normal Voltage	0.0295	
20	Battery End Point	0.0621	

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	20.84	26.51	5.67	13	1.2	22.04	30	Pass
Band4	1.4	1710.7	QPSK	3	LOW	22.03	26.96	4.93	13	1.2	23.23	30	Pass
Band4	1.4	1710.7	QPSK	3	MID	21.88	26.88	5	13	1.2	23.08	30	Pass
Band4	1.4	1710.7	QPSK	3	HIGH	21.88	26.97	5.09	13	1.2	23.08	30	Pass
Band4	1.4	1710.7	QPSK	1	LOW	21.94	26.55	4.61	13	1.2	23.14	30	Pass
Band4	1.4	1710.7	QPSK	1	MID	22.09	26.66	4.57	13	1.2	23.29	30	Pass
Band4	1.4	1710.7	QPSK	1	HIGH	22.05	26.67	4.62	13	1.2	23.25	30	Pass
Band4	1.4	1710.7	16QAM	6	LOW	20.35	27.42	7.07	13	1.2	21.55	30	Pass
Band4	1.4	1710.7	16QAM	3	LOW	21	27.01	6.01	13	1.2	22.2	30	Pass
Band4	1.4	1710.7	16QAM	3	MID	20.99	26.98	5.99	13	1.2	22.19	30	Pass
Band4	1.4	1710.7	16QAM	3	HIGH	21.02	26.98	5.96	13	1.2	22.22	30	Pass
Band4	1.4	1710.7	16QAM	1	LOW	21.82	26.48	4.66	13	1.2	23.02	30	Pass
Band4	1.4	1710.7	16QAM	1	MID	21.9	26.31	4.41	13	1.2	23.1	30	Pass
Band4	1.4	1710.7	16QAM	1	HIGH	21.83	26.29	4.46	13	1.2	23.03	30	Pass
Band4	1.4	1732.5	QPSK	6	LOW	20.66	26.14	5.48	13	1.2	21.86	30	Pass
Band4	1.4	1732.5	QPSK	3	LOW	21.84	26.42	4.58	13	1.2	23.04	30	Pass
Band4	1.4	1732.5	QPSK	3	MID	21.91	26.44	4.53	13	1.2	23.11	30	Pass
Band4	1.4	1732.5	QPSK	3	HIGH	21.92	26.44	4.52	13	1.2	23.12	30	Pass
Band4	1.4	1732.5	QPSK	1	LOW	21.7	25.87	4.17	13	1.2	22.9	30	Pass
Band4	1.4	1732.5	QPSK	1	MID	21.73	25.87	4.14	13	1.2	22.93	30	Pass
Band4	1.4	1732.5	QPSK	1	HIGH	21.79	25.92	4.13	13	1.2	22.99	30	Pass
Band4	1.4	1732.5	16QAM	6	LOW	20.1	26.22	6.12	13	1.2	21.3	30	Pass
Band4	1.4	1732.5	16QAM	3	LOW	21	26.32	5.32	13	1.2	22.2	30	Pass
Band4	1.4	1732.5	16QAM	3	MID	20.99	26.36	5.37	13	1.2	22.19	30	Pass
Band4	1.4	1732.5	16QAM	3	HIGH	21.12	26.34	5.22	13	1.2	22.32	30	Pass
Band4	1.4	1732.5	16QAM	1	LOW	20.92	25.41	4.49	13	1.2	22.12	30	Pass
Band4	1.4	1732.5	16QAM	1	MID	20.88	25.41	4.53	13	1.2	22.08	30	Pass
Band4	1.4	1732.5	16QAM	1	HIGH	21.03	25.52	4.49	13	1.2	22.23	30	Pass
Band4	1.4	1754.3	QPSK	6	LOW	20.56	26.84	6.28	13	1.2	21.76	30	Pass
Band4	1.4	1754.3	QPSK	3	LOW	21.83	27.03	5.2	13	1.2	23.03	30	Pass
Band4	1.4	1754.3	QPSK	3	MID	21.81	26.98	5.17	13	1.2	23.01	30	Pass
Band4	1.4	1754.3	QPSK	3	HIGH	21.77	27.02	5.25	13	1.2	22.97	30	Pass
Band4	1.4	1754.3	QPSK	1	LOW	21.94	26.6	4.66	13	1.2	23.14	30	Pass
Band4	1.4	1754.3	QPSK	1	MID	21.93	26.6	4.67	13	1.2	23.13	30	Pass
Band4	1.4	1754.3	QPSK	1	HIGH	21.89	26.66	4.77	13	1.2	23.09	30	Pass
Band4	1.4	1754.3	16QAM	6	LOW	20.32	26.89	6.57	13	1.2	21.52	30	Pass
Band4	1.4	1754.3	16QAM	3	LOW	21.06	26.54	5.48	13	1.2	22.26	30	Pass
Band4	1.4	1754.3	16QAM	3	MID	20.95	26.54	5.59	13	1.2	22.15	30	Pass
Band4	1.4	1754.3	16QAM	3	HIGH	21.04	26.73	5.69	13	1.2	22.24	30	Pass
Band4	1.4	1754.3	16QAM	1	LOW	21.89	26.61	4.72	13	1.2	23.09	30	Pass

Band4	1.4	1754.3	16QAM	1	MID	21.93	26.65	4.72	13	1.2	23.13	30	Pass
Band4	1.4	1754.3	16QAM	1	HIGH	21.99	26.71	4.72	13	1.2	23.19	30	Pass
Band4	3	1711.5	QPSK	15	LOW	20.92	26.72	5.8	13	1.2	22.12	30	Pass
Band4	3	1711.5	QPSK	8	LOW	20.98	26.67	5.69	13	1.2	22.18	30	Pass
Band4	3	1711.5	QPSK	8	MID	20.97	26.51	5.54	13	1.2	22.17	30	Pass
Band4	3	1711.5	QPSK	8	HIGH	20.75	26.52	5.77	13	1.2	21.95	30	Pass
Band4	3	1711.5	QPSK	1	LOW	21.86	26.33	4.47	13	1.2	23.06	30	Pass
Band4	3	1711.5	QPSK	1	MID	22.07	26.72	4.65	13	1.2	23.27	30	Pass
Band4	3	1711.5	QPSK	1	HIGH	21.91	26.31	4.4	13	1.2	23.11	30	Pass
Band4	3	1711.5	16QAM	15	LOW	20.07	26.64	6.57	13	1.2	21.27	30	Pass
Band4	3	1711.5	16QAM	8	LOW	20.38	26.99	6.61	13	1.2	21.58	30	Pass
Band4	3	1711.5	16QAM	8	MID	20.38	26.98	6.6	13	1.2	21.58	30	Pass
Band4	3	1711.5	16QAM	8	HIGH	20.32	26.75	6.43	13	1.2	21.52	30	Pass
Band4	3	1711.5	16QAM	1	LOW	21.32	26.9	5.58	13	1.2	22.52	30	Pass
Band4	3	1711.5	16QAM	1	MID	21.41	26.89	5.48	13	1.2	22.61	30	Pass
Band4	3	1711.5	16QAM	1	HIGH	21.28	26.83	5.55	13	1.2	22.48	30	Pass
Band4	3	1732.5	QPSK	15	LOW	20.84	26.68	5.84	13	1.2	22.04	30	Pass
Band4	3	1732.5	QPSK	8	LOW	20.8	26.23	5.43	13	1.2	22	30	Pass
Band4	3	1732.5	QPSK	8	MID	20.81	26.2	5.39	13	1.2	22.01	30	Pass
Band4	3	1732.5	QPSK	8	HIGH	20.81	26.09	5.28	13	1.2	22.01	30	Pass
Band4	3	1732.5	QPSK	1	LOW	21.95	26.09	4.14	13	1.2	23.15	30	Pass
Band4	3	1732.5	QPSK	1	MID	21.93	26.01	4.08	13	1.2	23.13	30	Pass
Band4	3	1732.5	QPSK	1	HIGH	22.03	26.02	3.99	13	1.2	23.23	30	Pass
Band4	3	1732.5	16QAM	15	LOW	20.04	26.28	6.24	13	1.2	21.24	30	Pass
Band4	3	1732.5	16QAM	8	LOW	20.08	26.06	5.98	13	1.2	21.28	30	Pass
Band4	3	1732.5	16QAM	8	MID	20.07	26.08	6.01	13	1.2	21.27	30	Pass
Band4	3	1732.5	16QAM	8	HIGH	20	25.98	5.98	13	1.2	21.2	30	Pass
Band4	3	1732.5	16QAM	1	LOW	21.61	26.33	4.72	13	1.2	22.81	30	Pass
Band4	3	1732.5	16QAM	1	MID	21.63	26.18	4.55	13	1.2	22.83	30	Pass
Band4	3	1732.5	16QAM	1	HIGH	21.57	25.74	4.17	13	1.2	22.77	30	Pass
Band4	3	1753.5	QPSK	15	LOW	20.74	27.59	6.85	13	1.2	21.94	30	Pass
Band4	3	1753.5	QPSK	8	LOW	20.83	26.72	5.89	13	1.2	22.03	30	Pass
Band4	3	1753.5	QPSK	8	MID	20.83	26.67	5.84	13	1.2	22.03	30	Pass
Band4	3	1753.5	QPSK	8	HIGH	20.75	26.74	5.99	13	1.2	21.95	30	Pass
Band4	3	1753.5	QPSK	1	LOW	22.08	26.6	4.52	13	1.2	23.28	30	Pass
Band4	3	1753.5	QPSK	1	MID	22.11	26.52	4.41	13	1.2	23.31	30	Pass
Band4	3	1753.5	QPSK	1	HIGH	22.11	26.57	4.46	13	1.2	23.31	30	Pass
Band4	3	1753.5	16QAM	15	LOW	19.98	26.68	6.7	13	1.2	21.18	30	Pass
Band4	3	1753.5	16QAM	8	LOW	20.17	26.4	6.23	13	1.2	21.37	30	Pass
Band4	3	1753.5	16QAM	8	MID	20.29	26.37	6.08	13	1.2	21.49	30	Pass
Band4	3	1753.5	16QAM	8	HIGH	20.21	26.46	6.25	13	1.2	21.41	30	Pass
Band4	3	1753.5	16QAM	1	LOW	21.21	25.99	4.78	13	1.2	22.41	30	Pass
Band4	3	1753.5	16QAM	1	MID	21.09	25.98	4.89	13	1.2	22.29	30	Pass
Band4	3	1753.5	16QAM	1	HIGH	21.06	25.93	4.87	13	1.2	22.26	30	Pass
Band4	5	1712.5	QPSK	25	LOW	20.87	27.03	6.16	13	1.2	22.07	30	Pass
Band4	5	1712.5	QPSK	12	LOW	21.05	26.75	5.7	13	1.2	22.25	30	Pass

Band4	5	1712.5	QPSK	12	MID	21.05	26.76	5.71	13	1.2	22.25	30	Pass
Band4	5	1712.5	QPSK	12	HIGH	20.81	26.44	5.63	13	1.2	22.01	30	Pass
Band4	5	1712.5	QPSK	1	LOW	22.08	27.15	5.07	13	1.2	23.28	30	Pass
Band4	5	1712.5	QPSK	1	MID	21.9	27.08	5.18	13	1.2	23.1	30	Pass
Band4	5	1712.5	QPSK	1	HIGH	21.84	26.89	5.05	13	1.2	23.04	30	Pass
Band4	5	1712.5	16QAM	25	LOW	19.97	27.2	7.23	13	1.2	21.17	30	Pass
Band4	5	1712.5	16QAM	12	LOW	20.29	27.2	6.91	13	1.2	21.49	30	Pass
Band4	5	1712.5	16QAM	12	MID	20.29	27.21	6.92	13	1.2	21.49	30	Pass
Band4	5	1712.5	16QAM	12	HIGH	20.06	26.92	6.86	13	1.2	21.26	30	Pass
Band4	5	1712.5	16QAM	1	LOW	20.44	25.98	5.54	13	1.2	21.64	30	Pass
Band4	5	1712.5	16QAM	1	MID	20.3	25.85	5.55	13	1.2	21.5	30	Pass
Band4	5	1712.5	16QAM	1	HIGH	20.34	25.82	5.48	13	1.2	21.54	30	Pass
Band4	5	1732.5	QPSK	25	LOW	20.77	26.78	6.01	13	1.2	21.97	30	Pass
Band4	5	1732.5	QPSK	12	LOW	20.81	26.51	5.7	13	1.2	22.01	30	Pass
Band4	5	1732.5	QPSK	12	MID	20.81	26.5	5.69	13	1.2	22.01	30	Pass
Band4	5	1732.5	QPSK	12	HIGH	20.86	26.45	5.59	13	1.2	22.06	30	Pass
Band4	5	1732.5	QPSK	1	LOW	22.03	26.75	4.72	13	1.2	23.23	30	Pass
Band4	5	1732.5	QPSK	1	MID	22.12	26.02	3.9	13	1.2	23.32	30	Pass
Band4	5	1732.5	QPSK	1	HIGH	22.16	25.98	3.82	13	1.2	23.36	30	Pass
Band4	5	1732.5	16QAM	25	LOW	20	26.46	6.46	13	1.2	21.2	30	Pass
Band4	5	1732.5	16QAM	12	LOW	19.97	26.05	6.08	13	1.2	21.17	30	Pass
Band4	5	1732.5	16QAM	12	MID	20.03	26.04	6.01	13	1.2	21.23	30	Pass
Band4	5	1732.5	16QAM	12	HIGH	19.94	25.92	5.98	13	1.2	21.14	30	Pass
Band4	5	1732.5	16QAM	1	LOW	21.07	26.04	4.97	13	1.2	22.27	30	Pass
Band4	5	1732.5	16QAM	1	MID	20.94	25.83	4.89	13	1.2	22.14	30	Pass
Band4	5	1732.5	16QAM	1	HIGH	21.07	25.83	4.76	13	1.2	22.27	30	Pass
Band4	5	1752.5	QPSK	25	LOW	20.77	26.76	5.99	13	1.2	21.97	30	Pass
Band4	5	1752.5	QPSK	12	LOW	20.9	26.26	5.36	13	1.2	22.1	30	Pass
Band4	5	1752.5	QPSK	12	MID	20.89	26.41	5.52	13	1.2	22.09	30	Pass
Band4	5	1752.5	QPSK	12	HIGH	20.87	26.44	5.57	13	1.2	22.07	30	Pass
Band4	5	1752.5	QPSK	1	LOW	21.73	26.43	4.7	13	1.2	22.93	30	Pass
Band4	5	1752.5	QPSK	1	MID	21.88	26.58	4.7	13	1.2	23.08	30	Pass
Band4	5	1752.5	QPSK	1	HIGH	21.83	26.68	4.85	13	1.2	23.03	30	Pass
Band4	5	1752.5	16QAM	25	LOW	19.95	26.71	6.76	13	1.2	21.15	30	Pass
Band4	5	1752.5	16QAM	12	LOW	19.81	26.36	6.55	13	1.2	21.01	30	Pass
Band4	5	1752.5	16QAM	12	MID	19.81	26.21	6.4	13	1.2	21.01	30	Pass
Band4	5	1752.5	16QAM	12	HIGH	19.91	26.47	6.56	13	1.2	21.11	30	Pass
Band4	5	1752.5	16QAM	1	LOW	20.43	26.17	5.74	13	1.2	21.63	30	Pass
Band4	5	1752.5	16QAM	1	MID	20.54	26.33	5.79	13	1.2	21.74	30	Pass
Band4	5	1752.5	16QAM	1	HIGH	20.53	26.43	5.9	13	1.2	21.73	30	Pass
Band4	10	1715	QPSK	50	LOW	20.99	27.17	6.18	13	1.2	22.19	30	Pass
Band4	10	1715	QPSK	25	LOW	20.88	26.75	5.87	13	1.2	22.08	30	Pass
Band4	10	1715	QPSK	25	MID	20.89	26.79	5.9	13	1.2	22.09	30	Pass
Band4	10	1715	QPSK	25	HIGH	20.97	26.91	5.94	13	1.2	22.17	30	Pass
Band4	10	1715	QPSK	1	LOW	22.16	26.76	4.6	13	1.2	23.36	30	Pass
Band4	10	1715	QPSK	1	MID	21.95	26.27	4.32	13	1.2	23.15	30	Pass

Band4	10	1715	QPSK	1	HIGH	22	26.43	4.43	13	1.2	23.2	30	Pass
Band4	10	1715	16QAM	50	LOW	19.98	27.32	7.34	13	1.2	21.18	30	Pass
Band4	10	1715	16QAM	25	LOW	20.11	26.92	6.81	13	1.2	21.31	30	Pass
Band4	10	1715	16QAM	25	MID	20.12	26.95	6.83	13	1.2	21.32	30	Pass
Band4	10	1715	16QAM	25	HIGH	20.2	26.96	6.76	13	1.2	21.4	30	Pass
Band4	10	1715	16QAM	1	LOW	21.65	27.03	5.38	13	1.2	22.85	30	Pass
Band4	10	1715	16QAM	1	MID	21.43	26.63	5.2	13	1.2	22.63	30	Pass
Band4	10	1715	16QAM	1	HIGH	21.36	26.91	5.55	13	1.2	22.56	30	Pass
Band4	10	1732.5	QPSK	50	LOW	20.71	26.62	5.91	13	1.2	21.91	30	Pass
Band4	10	1732.5	QPSK	25	LOW	20.91	26.34	5.43	13	1.2	22.11	30	Pass
Band4	10	1732.5	QPSK	25	MID	20.82	26.31	5.49	13	1.2	22.02	30	Pass
Band4	10	1732.5	QPSK	25	HIGH	20.75	26.14	5.39	13	1.2	21.95	30	Pass
Band4	10	1732.5	QPSK	1	LOW	21.97	26.21	4.24	13	1.2	23.17	30	Pass
Band4	10	1732.5	QPSK	1	MID	22.04	25.96	3.92	13	1.2	23.24	30	Pass
Band4	10	1732.5	QPSK	1	HIGH	22.11	25.95	3.84	13	1.2	23.31	30	Pass
Band4	10	1732.5	16QAM	50	LOW	20.08	26.73	6.65	13	1.2	21.28	30	Pass
Band4	10	1732.5	16QAM	25	LOW	20.13	26.61	6.48	13	1.2	21.33	30	Pass
Band4	10	1732.5	16QAM	25	MID	20.14	26.47	6.33	13	1.2	21.34	30	Pass
Band4	10	1732.5	16QAM	25	HIGH	20.06	26.33	6.27	13	1.2	21.26	30	Pass
Band4	10	1732.5	16QAM	1	LOW	21.11	26.39	5.28	13	1.2	22.31	30	Pass
Band4	10	1732.5	16QAM	1	MID	21.08	25.4	4.32	13	1.2	22.28	30	Pass
Band4	10	1732.5	16QAM	1	HIGH	21.09	25.84	4.75	13	1.2	22.29	30	Pass
Band4	10	1750	QPSK	50	LOW	20.79	26.49	5.7	13	1.2	21.99	30	Pass
Band4	10	1750	QPSK	25	LOW	20.88	26.81	5.93	13	1.2	22.08	30	Pass
Band4	10	1750	QPSK	25	MID	20.89	26.68	5.79	13	1.2	22.09	30	Pass
Band4	10	1750	QPSK	25	HIGH	20.9	27.05	6.15	13	1.2	22.1	30	Pass
Band4	10	1750	QPSK	1	LOW	22.14	26.13	3.99	13	1.2	23.34	30	Pass
Band4	10	1750	QPSK	1	MID	22.08	26.35	4.27	13	1.2	23.28	30	Pass
Band4	10	1750	QPSK	1	HIGH	22.05	26.59	4.54	13	1.2	23.25	30	Pass
Band4	10	1750	16QAM	50	LOW	20.03	27.16	7.13	13	1.2	21.23	30	Pass
Band4	10	1750	16QAM	25	LOW	20.08	26.39	6.31	13	1.2	21.28	30	Pass
Band4	10	1750	16QAM	25	MID	20.09	26.48	6.39	13	1.2	21.29	30	Pass
Band4	10	1750	16QAM	25	HIGH	20.13	26.75	6.62	13	1.2	21.33	30	Pass
Band4	10	1750	16QAM	1	LOW	20.67	25.4	4.73	13	1.2	21.87	30	Pass
Band4	10	1750	16QAM	1	MID	20.74	25.61	4.87	13	1.2	21.94	30	Pass
Band4	10	1750	16QAM	1	HIGH	20.61	25.67	5.06	13	1.2	21.81	30	Pass
Band4	15	1717.5	QPSK	75	LOW	20.93	27.67	6.74	13	1.2	22.13	30	Pass
Band4	15	1717.5	QPSK	38	LOW	20.78	27.52	6.74	13	1.2	21.98	30	Pass
Band4	15	1717.5	QPSK	38	MID	20.86	27.53	6.67	13	1.2	22.06	30	Pass
Band4	15	1717.5	QPSK	38	HIGH	21.11	27.52	6.41	13	1.2	22.31	30	Pass
Band4	15	1717.5	QPSK	1	LOW	22.01	26.46	4.45	13	1.2	23.21	30	Pass
Band4	15	1717.5	QPSK	1	MID	21.86	26.36	4.5	13	1.2	23.06	30	Pass
Band4	15	1717.5	QPSK	1	HIGH	21.81	26.26	4.45	13	1.2	23.01	30	Pass
Band4	15	1717.5	16QAM	75	LOW	19.95	27.1	7.15	13	1.2	21.15	30	Pass
Band4	15	1717.5	16QAM	38	LOW	20.12	27.23	7.11	13	1.2	21.32	30	Pass
Band4	15	1717.5	16QAM	38	MID	20.13	27.21	7.08	13	1.2	21.33	30	Pass

Band4	15	1717.5	16QAM	38	HIGH	20.13	27.23	7.1	13	1.2	21.33	30	Pass
Band4	15	1717.5	16QAM	1	LOW	21.74	27.13	5.39	13	1.2	22.94	30	Pass
Band4	15	1717.5	16QAM	1	MID	21.66	26.98	5.32	13	1.2	22.86	30	Pass
Band4	15	1717.5	16QAM	1	HIGH	21.43	26.77	5.34	13	1.2	22.63	30	Pass
Band4	15	1732.5	QPSK	75	LOW	20.79	27.12	6.33	13	1.2	21.99	30	Pass
Band4	15	1732.5	QPSK	38	LOW	20.87	27.17	6.3	13	1.2	22.07	30	Pass
Band4	15	1732.5	QPSK	38	MID	20.87	27.16	6.29	13	1.2	22.07	30	Pass
Band4	15	1732.5	QPSK	38	HIGH	20.88	27.01	6.13	13	1.2	22.08	30	Pass
Band4	15	1732.5	QPSK	1	LOW	21.95	26.53	4.58	13	1.2	23.15	30	Pass
Band4	15	1732.5	QPSK	1	MID	22.19	26.12	3.93	13	1.2	23.39	30	Pass
Band4	15	1732.5	QPSK	1	HIGH	22.29	26.07	3.78	13	1.2	23.49	30	Pass
Band4	15	1732.5	16QAM	75	LOW	20.06	26.94	6.88	13	1.2	21.26	30	Pass
Band4	15	1732.5	16QAM	38	LOW	20.04	26.94	6.9	13	1.2	21.24	30	Pass
Band4	15	1732.5	16QAM	38	MID	20.05	26.89	6.84	13	1.2	21.25	30	Pass
Band4	15	1732.5	16QAM	38	HIGH	20.05	26.92	6.87	13	1.2	21.25	30	Pass
Band4	15	1732.5	16QAM	1	LOW	21.16	26.67	5.51	13	1.2	22.36	30	Pass
Band4	15	1732.5	16QAM	1	MID	21.12	25.4	4.28	13	1.2	22.32	30	Pass
Band4	15	1732.5	16QAM	1	HIGH	21.17	25.88	4.71	13	1.2	22.37	30	Pass
Band4	15	1747.5	QPSK	75	LOW	20.79	27.15	6.36	13	1.2	21.99	30	Pass
Band4	15	1747.5	QPSK	38	LOW	20.84	27.15	6.31	13	1.2	22.04	30	Pass
Band4	15	1747.5	QPSK	38	MID	20.84	27.18	6.34	13	1.2	22.04	30	Pass
Band4	15	1747.5	QPSK	38	HIGH	20.85	27.18	6.33	13	1.2	22.05	30	Pass
Band4	15	1747.5	QPSK	1	LOW	22.02	26.41	4.39	13	1.2	23.22	30	Pass
Band4	15	1747.5	QPSK	1	MID	22.07	26.14	4.07	13	1.2	23.27	30	Pass
Band4	15	1747.5	QPSK	1	HIGH	21.98	26.46	4.48	13	1.2	23.18	30	Pass
Band4	15	1747.5	16QAM	75	LOW	20.03	27.01	6.98	13	1.2	21.23	30	Pass
Band4	15	1747.5	16QAM	38	LOW	19.95	26.92	6.97	13	1.2	21.15	30	Pass
Band4	15	1747.5	16QAM	38	MID	19.95	26.94	6.99	13	1.2	21.15	30	Pass
Band4	15	1747.5	16QAM	38	HIGH	19.95	26.88	6.93	13	1.2	21.15	30	Pass
Band4	15	1747.5	16QAM	1	LOW	21.48	26.39	4.91	13	1.2	22.68	30	Pass
Band4	15	1747.5	16QAM	1	MID	21.68	25.86	4.18	13	1.2	22.88	30	Pass
Band4	15	1747.5	16QAM	1	HIGH	21.5	26.58	5.08	13	1.2	22.7	30	Pass
Band4	20	1720	QPSK	100	LOW	20.84	27.04	6.2	13	1.2	22.04	30	Pass
Band4	20	1720	QPSK	50	LOW	20.93	26.86	5.93	13	1.2	22.13	30	Pass
Band4	20	1720	QPSK	50	MID	20.93	26.85	5.92	13	1.2	22.13	30	Pass
Band4	20	1720	QPSK	50	HIGH	21	26.74	5.74	13	1.2	22.2	30	Pass
Band4	20	1720	QPSK	1	LOW	22.26	26.59	4.33	13	1.2	23.46	30	Pass
Band4	20	1720	QPSK	1	MID	22.12	26.57	4.45	13	1.2	23.32	30	Pass
Band4	20	1720	QPSK	1	HIGH	22.06	27.16	5.1	13	1.2	23.26	30	Pass
Band4	20	1720	16QAM	100	LOW	19.92	27.71	7.79	13	1.2	21.12	30	Pass
Band4	20	1720	16QAM	50	LOW	20.14	27.41	7.27	13	1.2	21.34	30	Pass
Band4	20	1720	16QAM	50	MID	20.14	27.45	7.31	13	1.2	21.34	30	Pass
Band4	20	1720	16QAM	50	HIGH	20.1	27.13	7.03	13	1.2	21.3	30	Pass
Band4	20	1720	16QAM	1	LOW	21.34	27.39	6.05	13	1.2	22.54	30	Pass
Band4	20	1720	16QAM	1	MID	21.13	26.41	5.28	13	1.2	22.33	30	Pass
Band4	20	1720	16QAM	1	HIGH	21.26	27.08	5.82	13	1.2	22.46	30	Pass

Band4	20	1732.5	QPSK	100	LOW	20.87	26.91	6.04	13	1.2	22.07	30	Pass
Band4	20	1732.5	QPSK	50	LOW	20.9	26.54	5.64	13	1.2	22.1	30	Pass
Band4	20	1732.5	QPSK	50	MID	20.92	26.6	5.68	13	1.2	22.12	30	Pass
Band4	20	1732.5	QPSK	50	HIGH	21.05	26.4	5.35	13	1.2	22.25	30	Pass
Band4	20	1732.5	QPSK	1	LOW	21.95	27.12	5.17	13	1.2	23.15	30	Pass
Band4	20	1732.5	QPSK	1	MID	22.02	26	3.98	13	1.2	23.22	30	Pass
Band4	20	1732.5	QPSK	1	HIGH	22.01	26.79	4.78	13	1.2	23.21	30	Pass
Band4	20	1732.5	16QAM	100	LOW	20.04	26.95	6.91	13	1.2	21.24	30	Pass
Band4	20	1732.5	16QAM	50	LOW	20.16	26.61	6.45	13	1.2	21.36	30	Pass
Band4	20	1732.5	16QAM	50	MID	20.16	26.6	6.44	13	1.2	21.36	30	Pass
Band4	20	1732.5	16QAM	50	HIGH	20	26.31	6.31	13	1.2	21.2	30	Pass
Band4	20	1732.5	16QAM	1	LOW	21.41	26.7	5.29	13	1.2	22.61	30	Pass
Band4	20	1732.5	16QAM	1	MID	21.24	26.11	4.87	13	1.2	22.44	30	Pass
Band4	20	1732.5	16QAM	1	HIGH	21.27	26.02	4.75	13	1.2	22.47	30	Pass
Band4	20	1745	QPSK	100	LOW	20.85	27.06	6.21	13	1.2	22.05	30	Pass
Band4	20	1745	QPSK	50	LOW	20.85	26.36	5.51	13	1.2	22.05	30	Pass
Band4	20	1745	QPSK	50	MID	20.86	26.36	5.5	13	1.2	22.06	30	Pass
Band4	20	1745	QPSK	50	HIGH	20.83	26.63	5.8	13	1.2	22.03	30	Pass
Band4	20	1745	QPSK	1	LOW	22.06	26.79	4.73	13	1.2	23.26	30	Pass
Band4	20	1745	QPSK	1	MID	22.16	26.1	3.94	13	1.2	23.36	30	Pass
Band4	20	1745	QPSK	1	HIGH	22.09	26.86	4.77	13	1.2	23.29	30	Pass
Band4	20	1745	16QAM	100	LOW	20.16	27.07	6.91	13	1.2	21.36	30	Pass
Band4	20	1745	16QAM	50	LOW	20	26.23	6.23	13	1.2	21.2	30	Pass
Band4	20	1745	16QAM	50	MID	20.01	26.27	6.26	13	1.2	21.21	30	Pass
Band4	20	1745	16QAM	50	HIGH	20.01	26.71	6.7	13	1.2	21.21	30	Pass
Band4	20	1745	16QAM	1	LOW	21.56	26.55	4.99	13	1.2	22.76	30	Pass
Band4	20	1745	16QAM	1	MID	21.77	26.01	4.24	13	1.2	22.97	30	Pass
Band4	20	1745	16QAM	1	HIGH	21.64	27.25	5.61	13	1.2	22.84	30	Pass