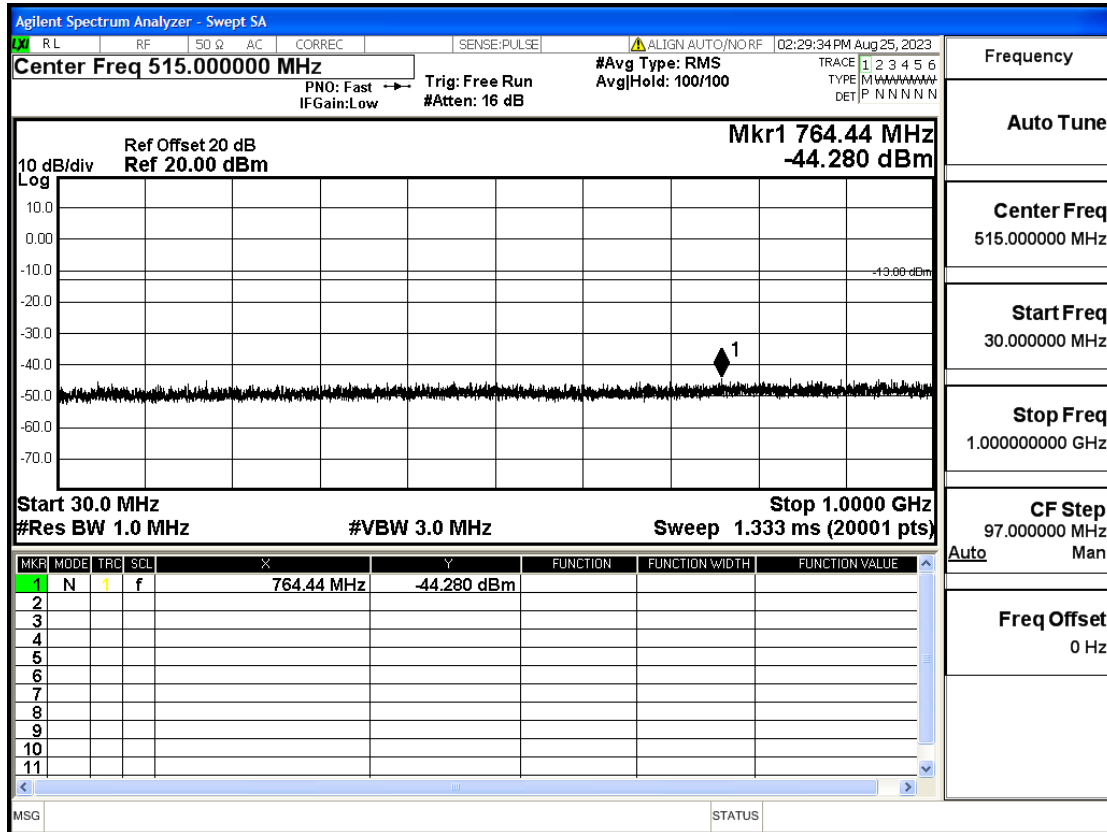
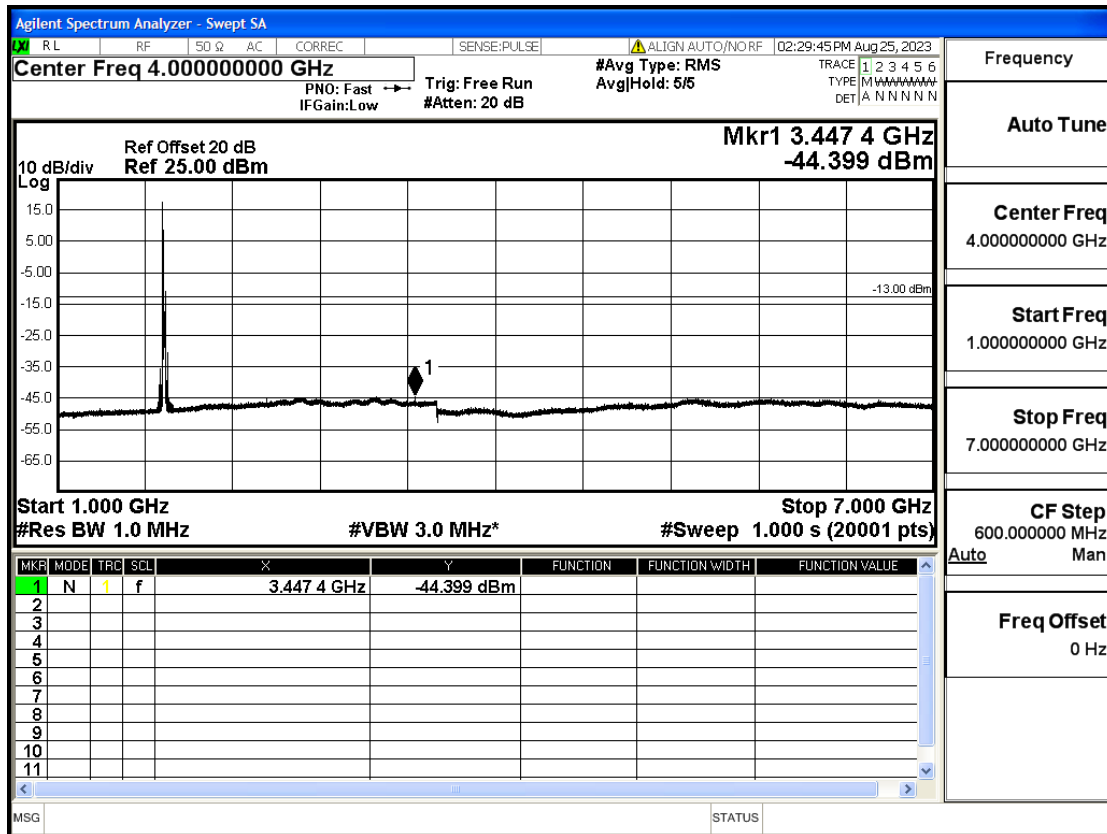


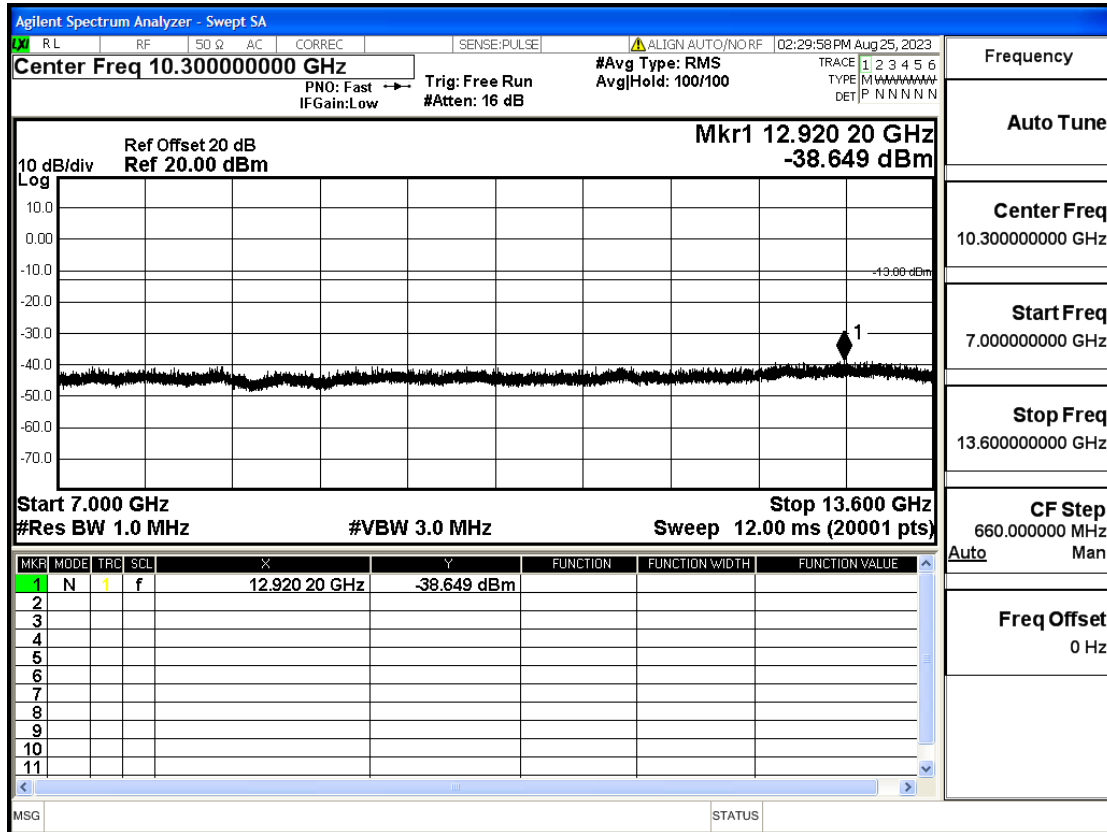
OB4-20-1732.5-QPSK-1#LOW@30mHz-1GHz@Pass



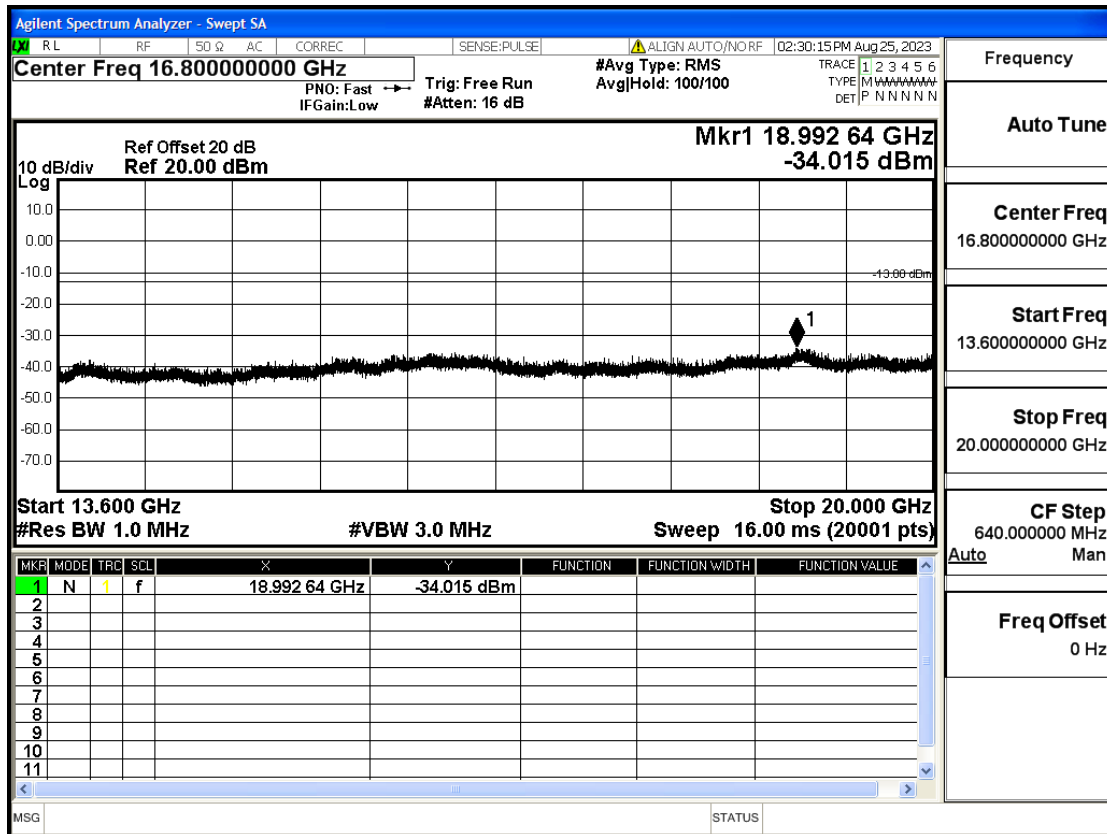
OB4-20-1732.5-QPSK-1#LOW@1GHz-7GHz@Pass



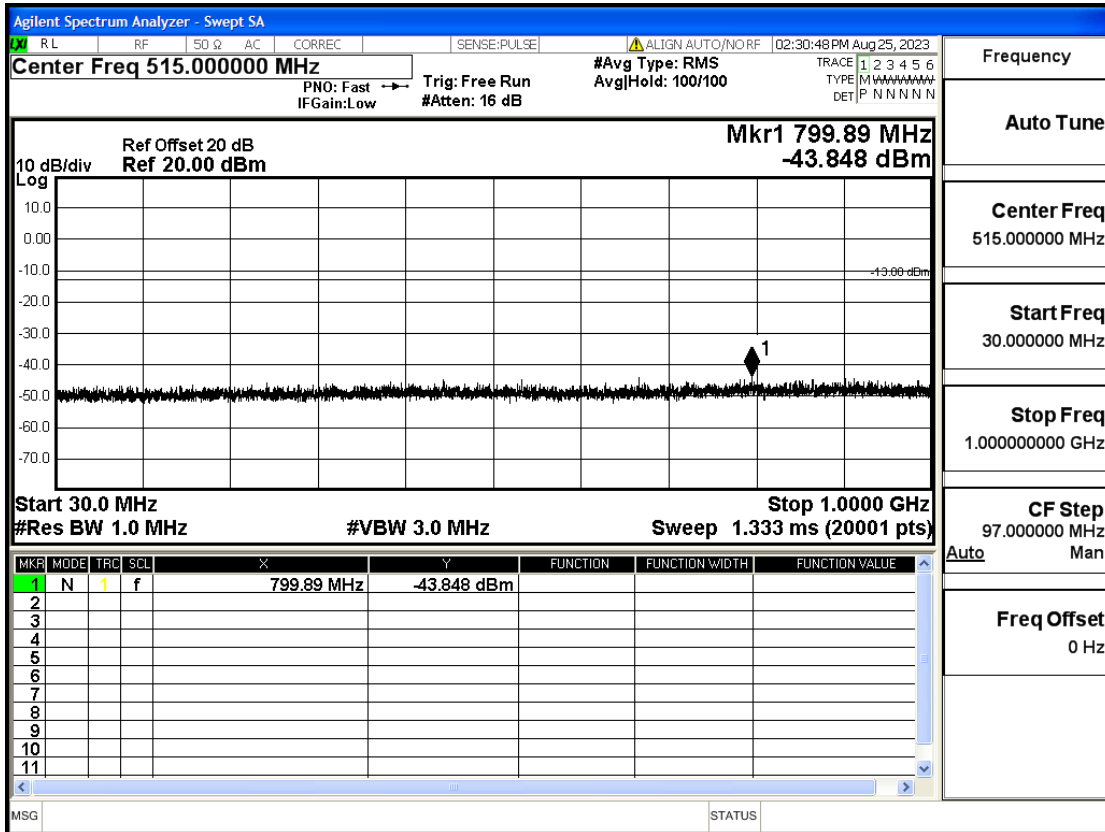
OB4-20-1732.5-QPSK-1#LOW@7GHz-13.6GHz@Pass



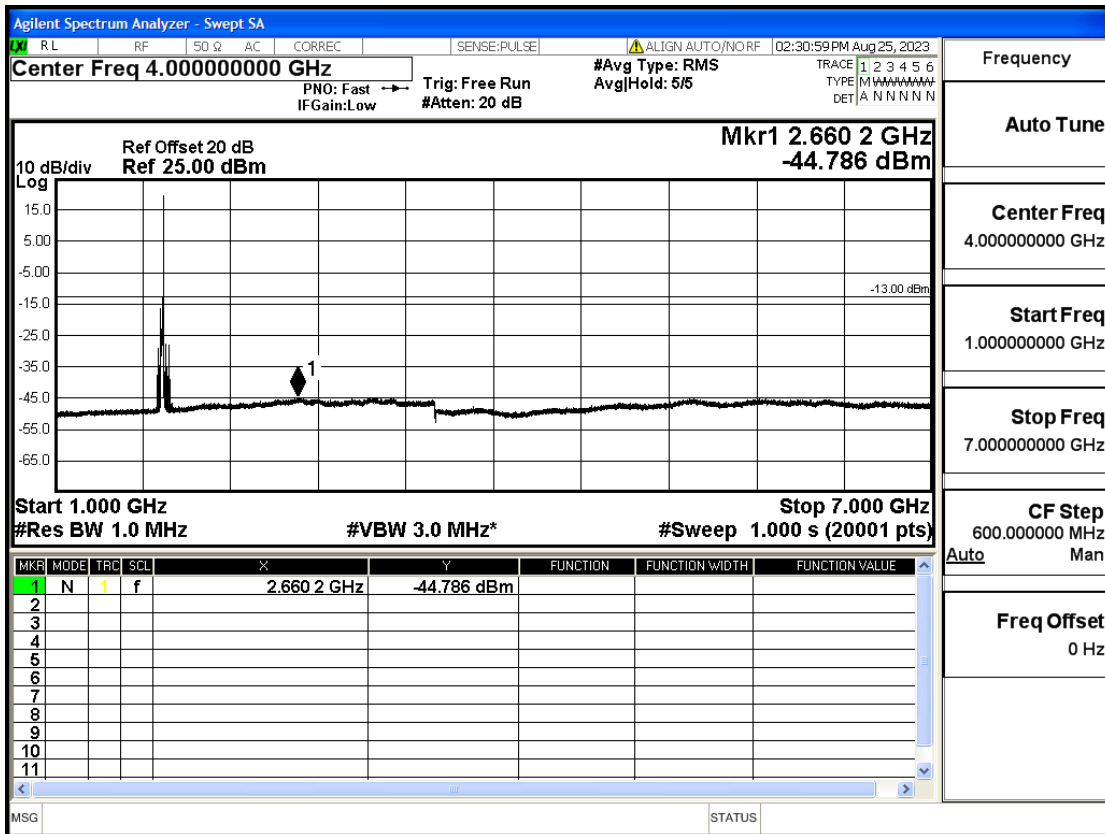
OB4-20-1732.5-QPSK-1#LOW@13.6GHz-20GHz@Pass



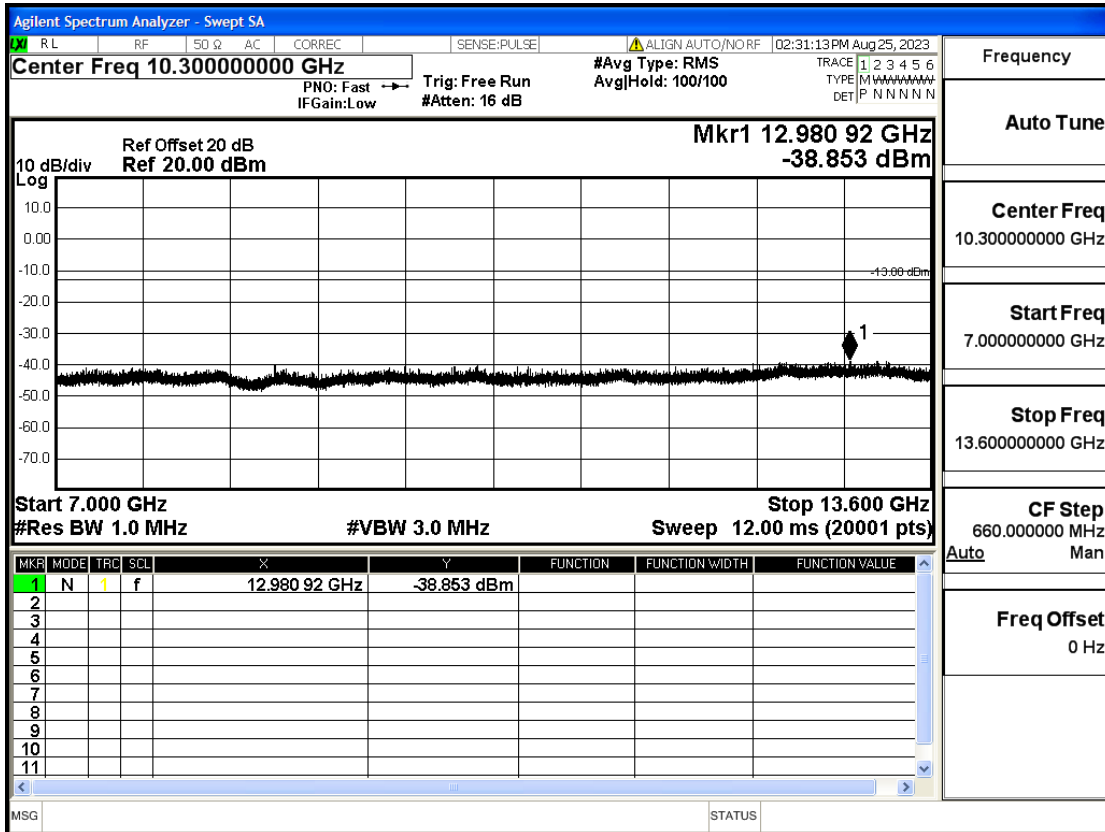
OB4-20-1732.5-QPSK-1#HIGH@30mHz-1GHz@Pass



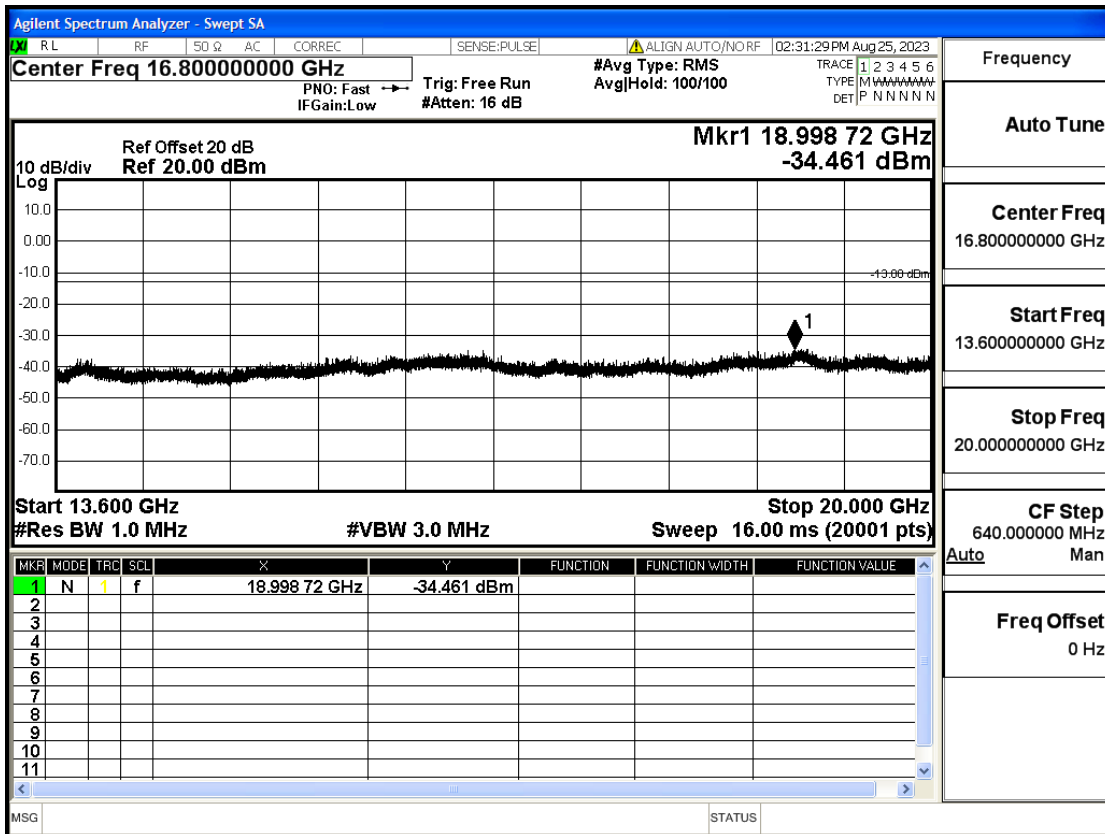
OB4-20-1732.5-QPSK-1#HIGH@1GHz-7GHz@Pass



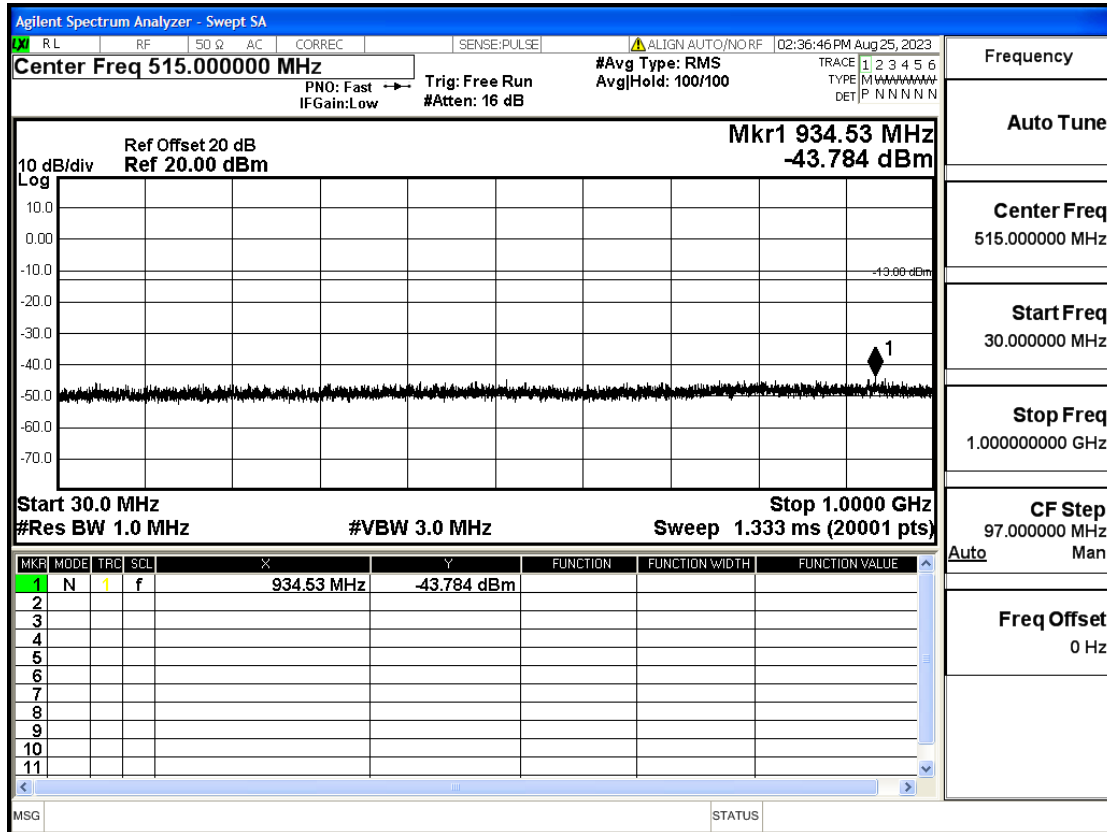
OB4-20-1732.5-QPSK-1#HIGH@7GHz-13.6GHz@Pass



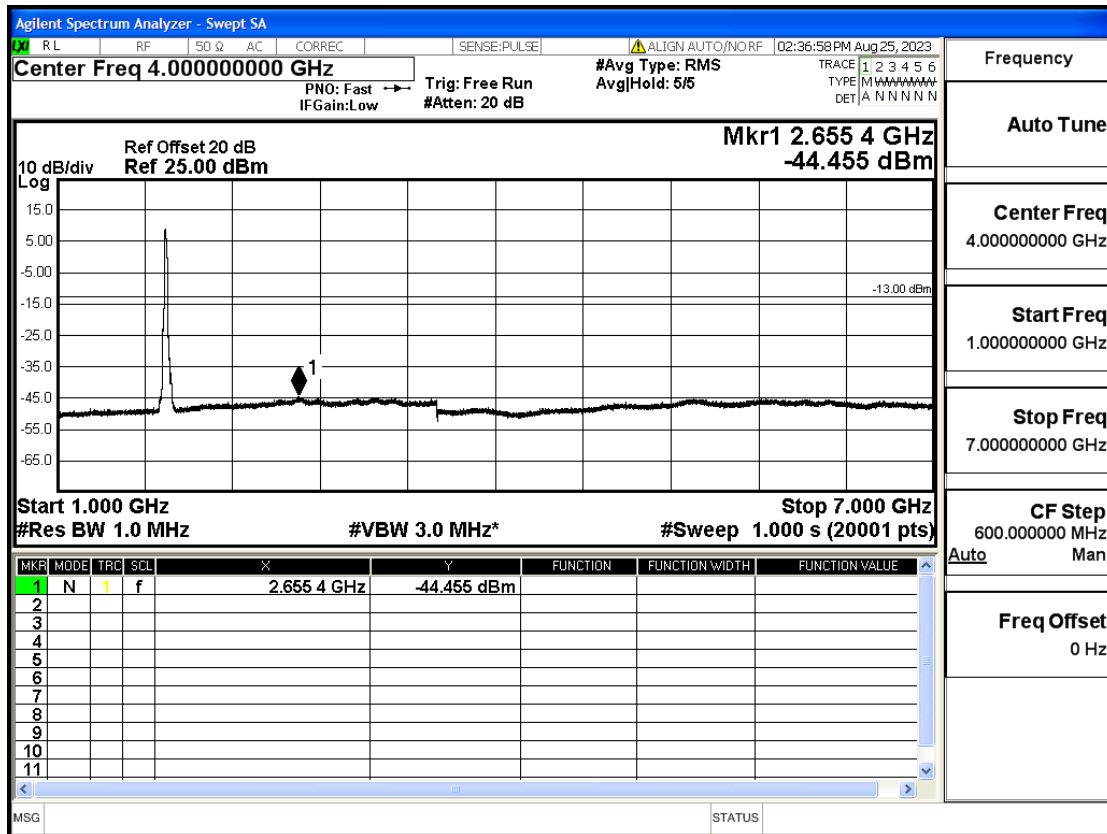
OB4-20-1732.5-QPSK-1#HIGH@13.6GHz-20GHz@Pass



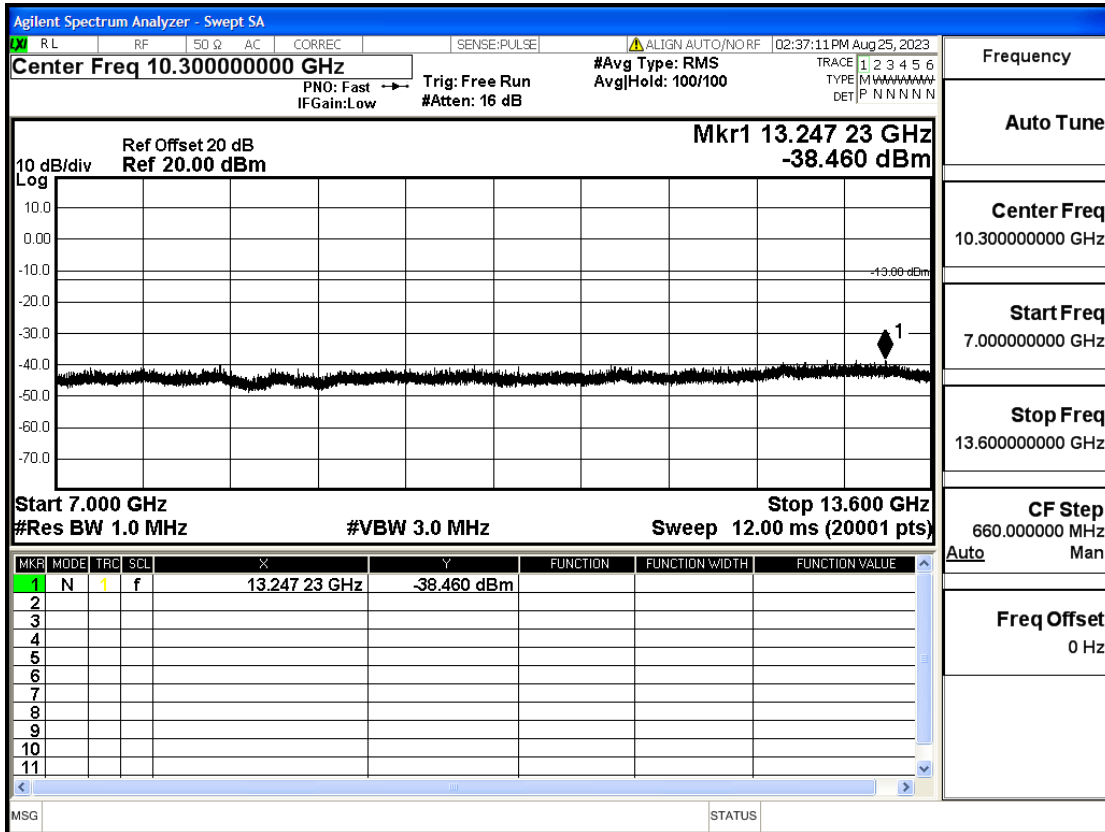
OB4-20-1745-QPSK-100#LOW@30mHz-1GHz@Pass



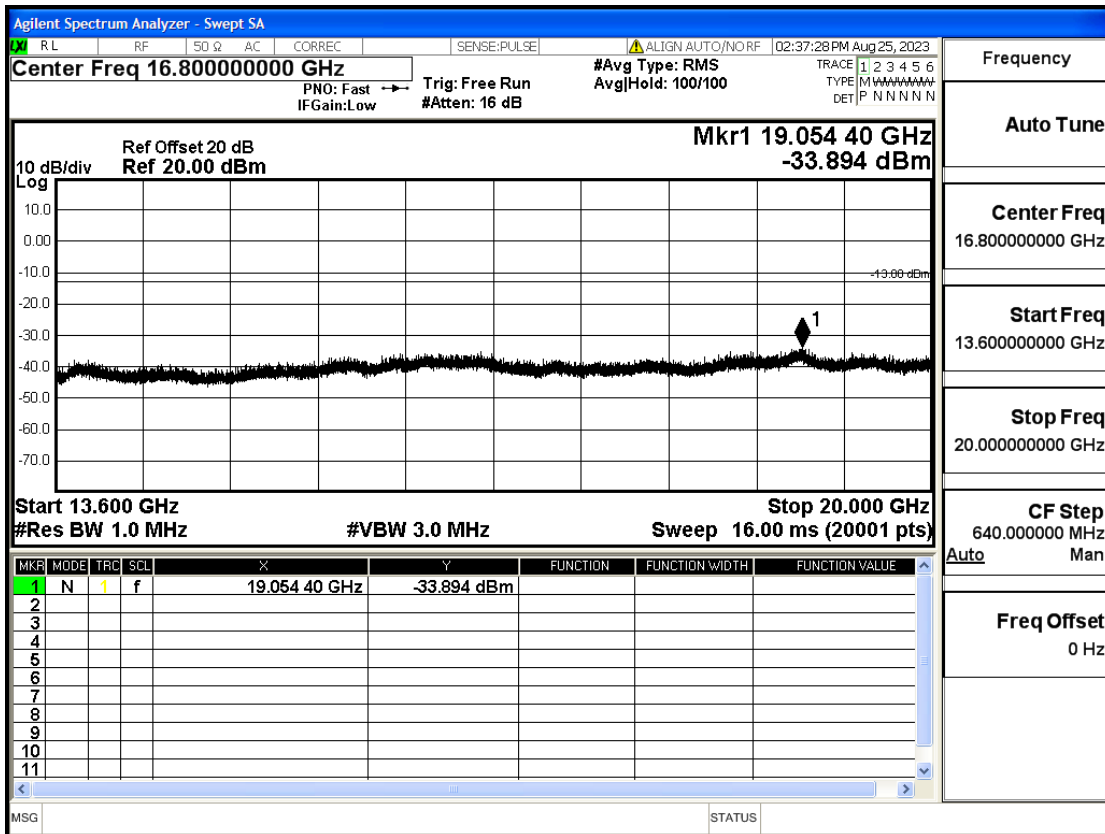
OB4-20-1745-QPSK-100#LOW@1GHz-7GHz@Pass



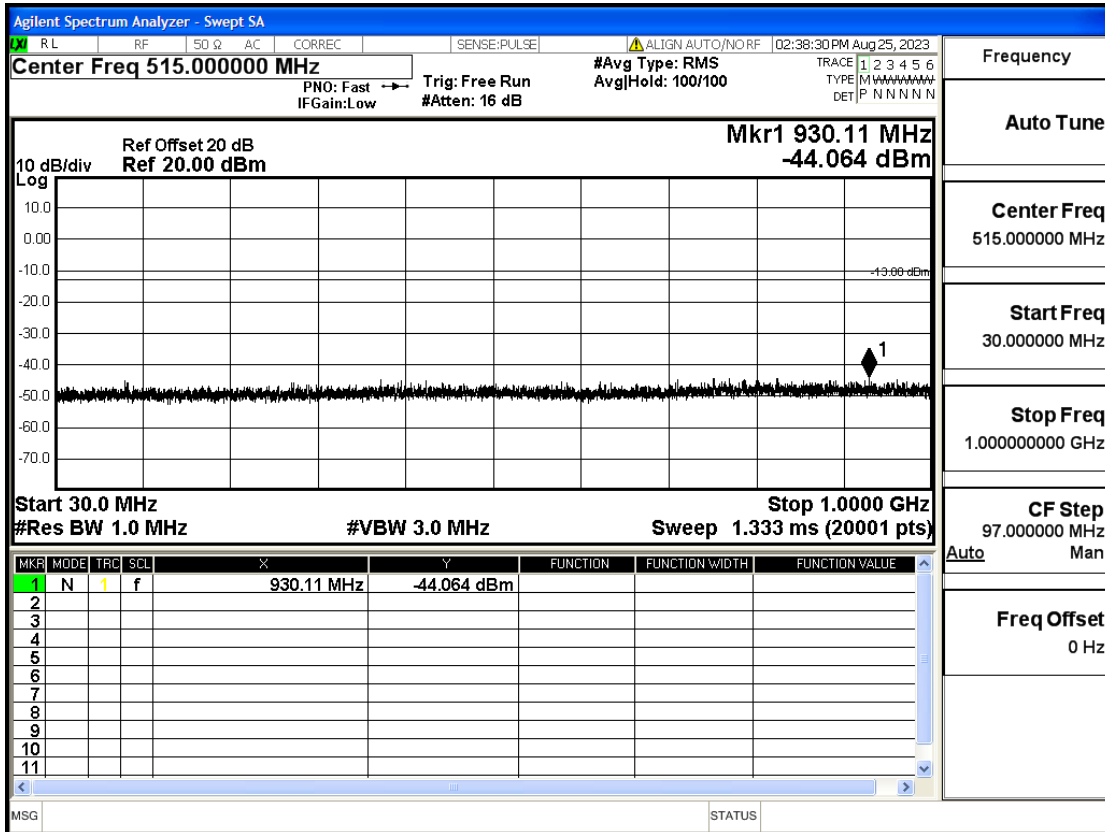
OB4-20-1745-QPSK-100#LOW@7GHz-13.6GHz@Pass



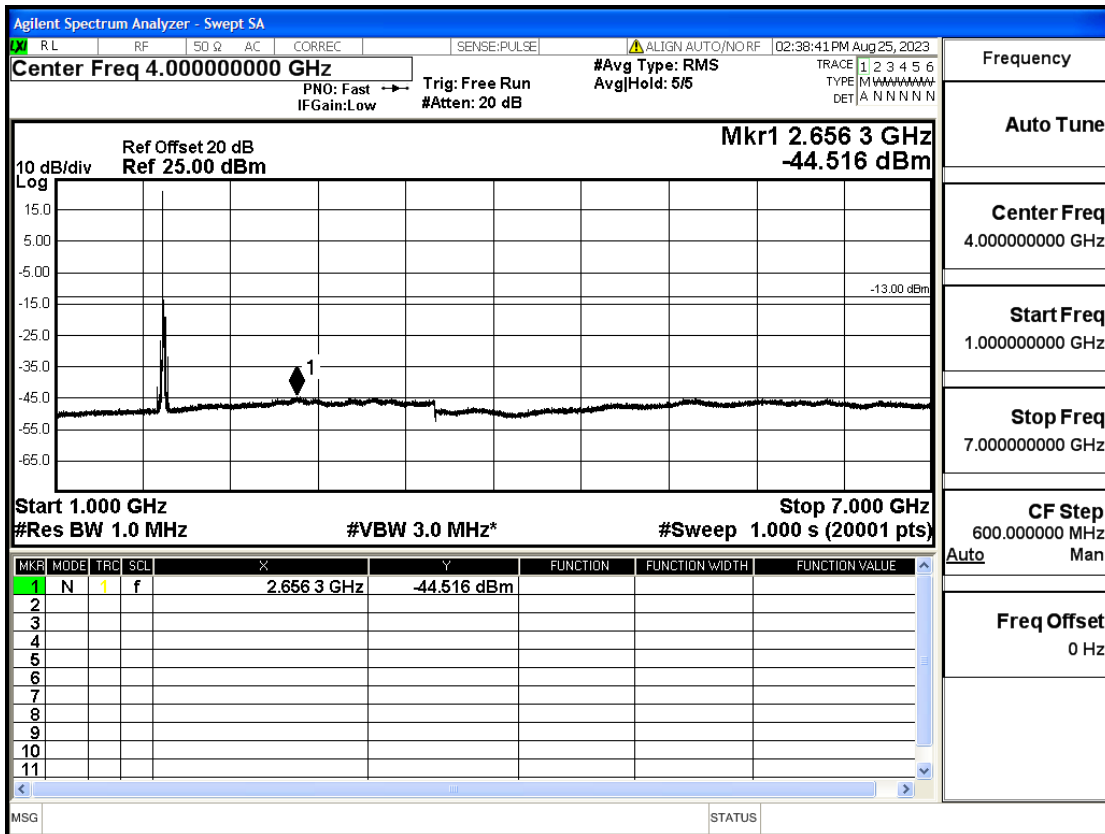
OB4-20-1745-QPSK-100#LOW@13.6GHz-20GHz@Pass



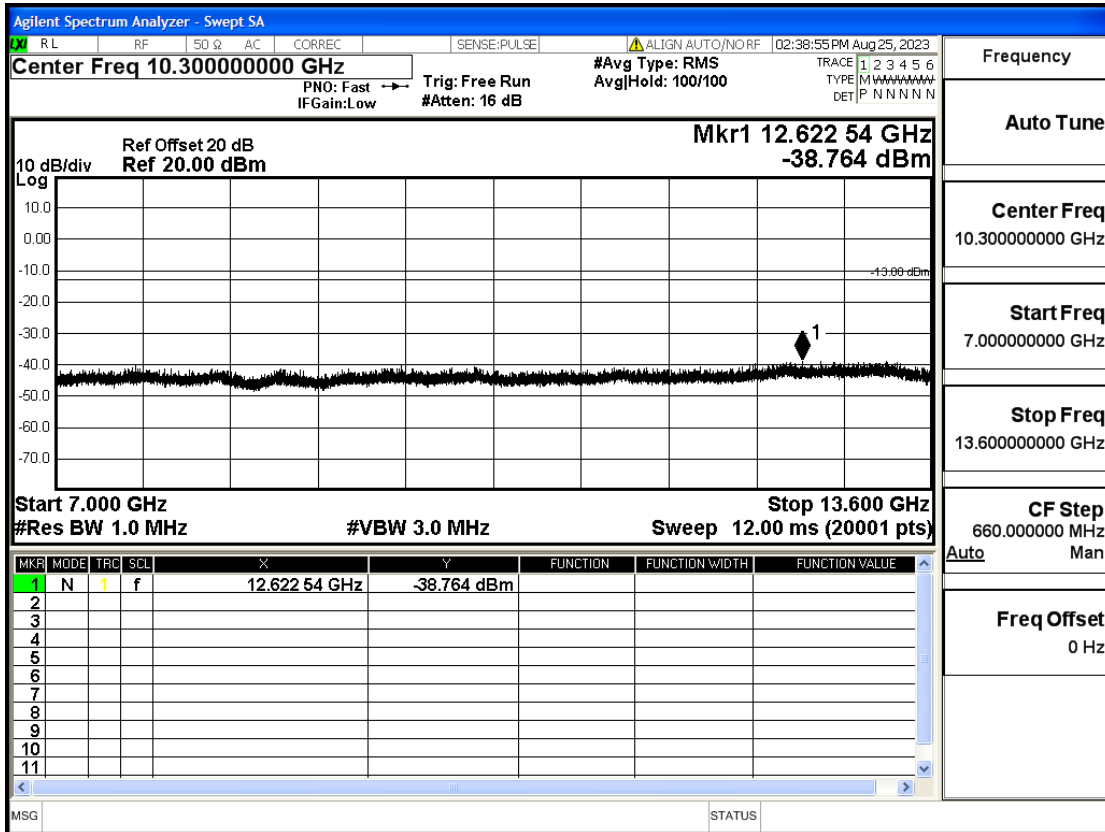
OB4-20-1745-QPSK-1#LOW@30mHz-1GHz@Pass



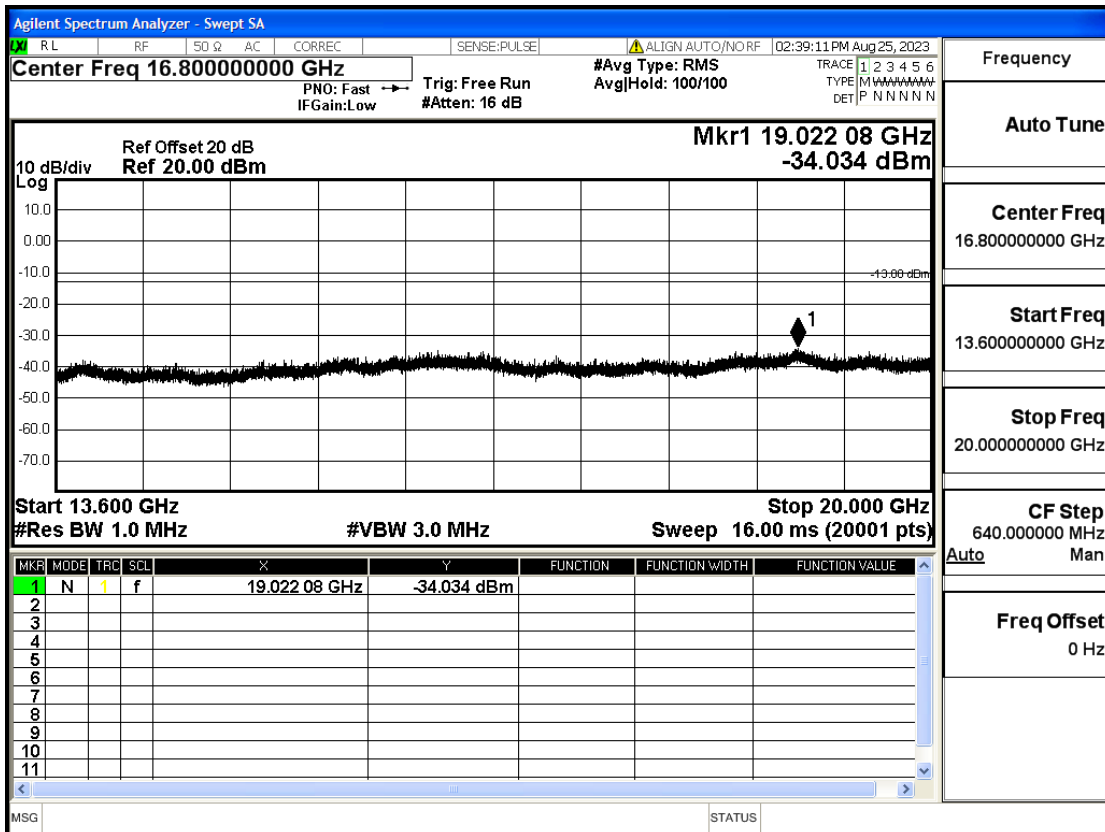
OB4-20-1745-QPSK-1#LOW@1GHz-7GHz@Pass



OB4-20-1745-QPSK-1#LOW@7GHz-13.6GHz@Pass

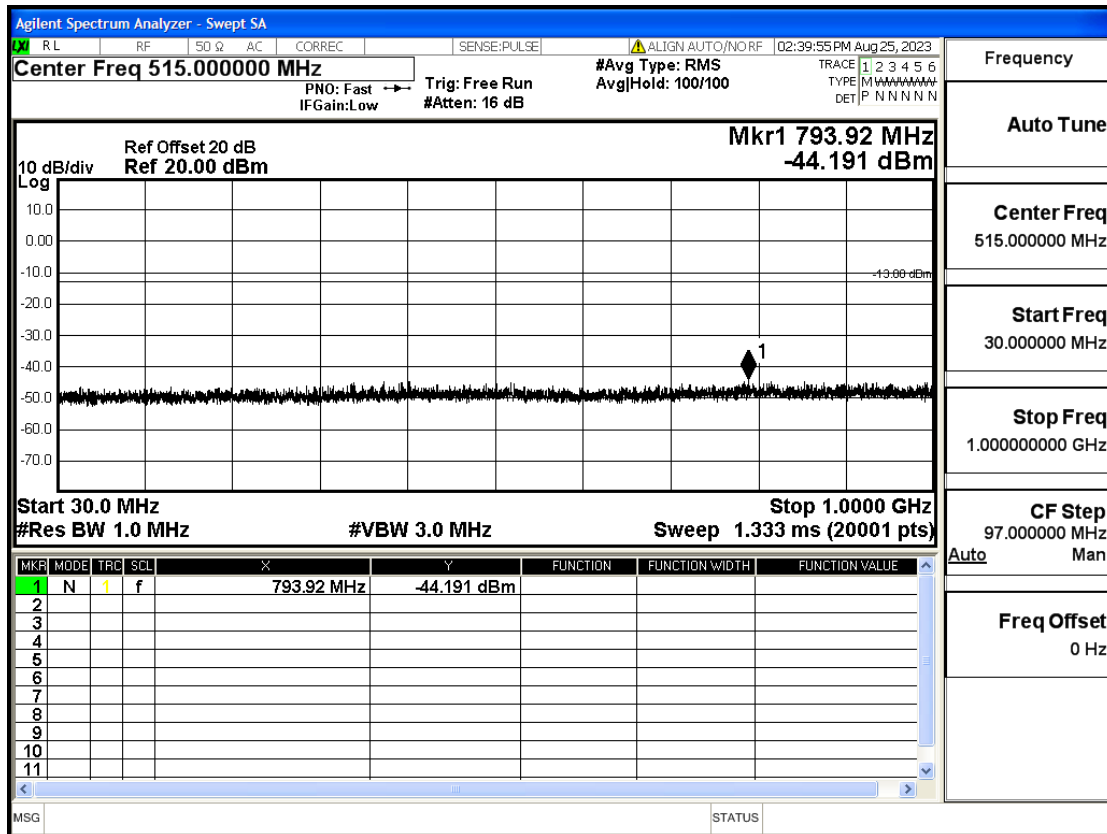


OB4-20-1745-QPSK-1#LOW@13.6GHz-20GHz@Pass

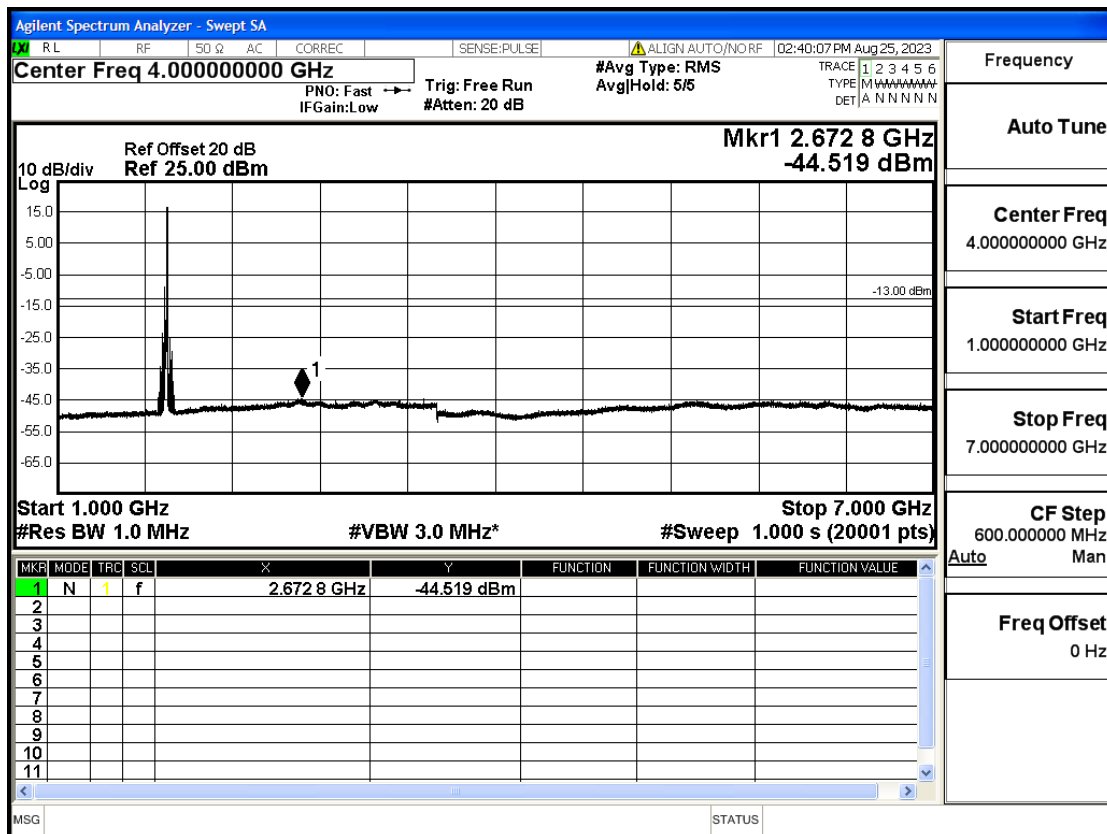




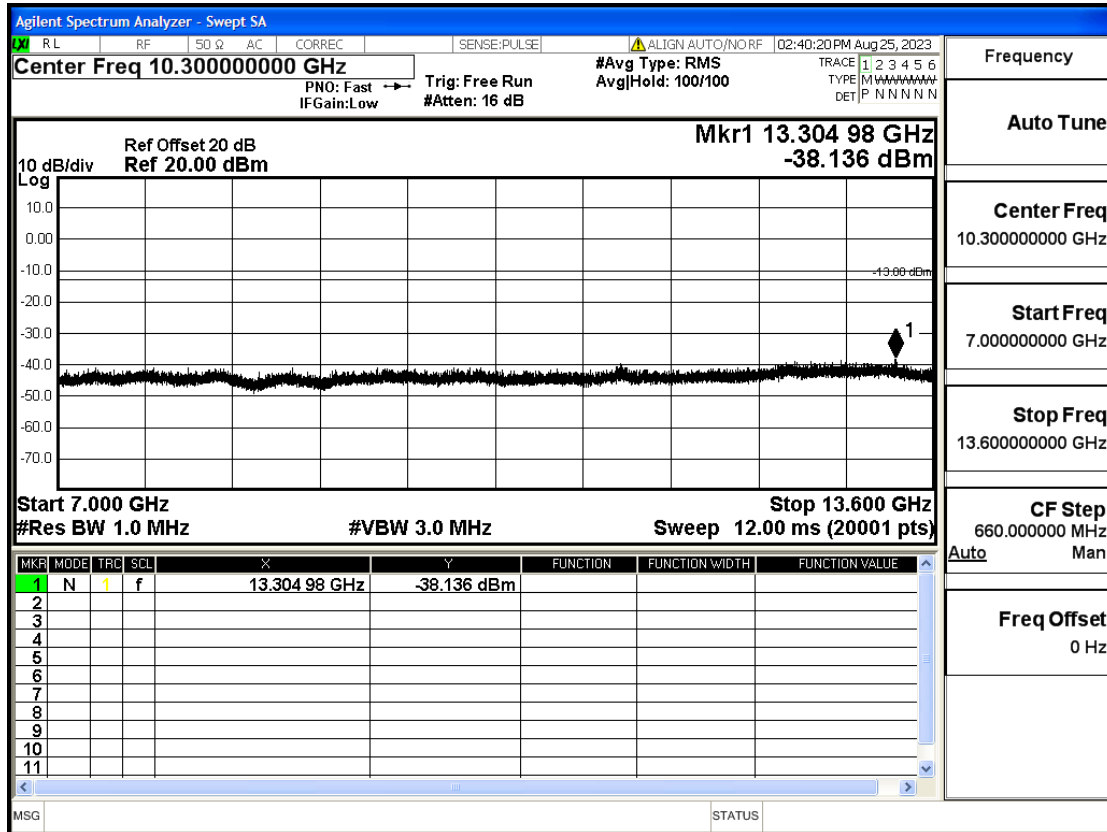
OB4-20-1745-QPSK-1#HIGH@30mHz-1GHz@Pass



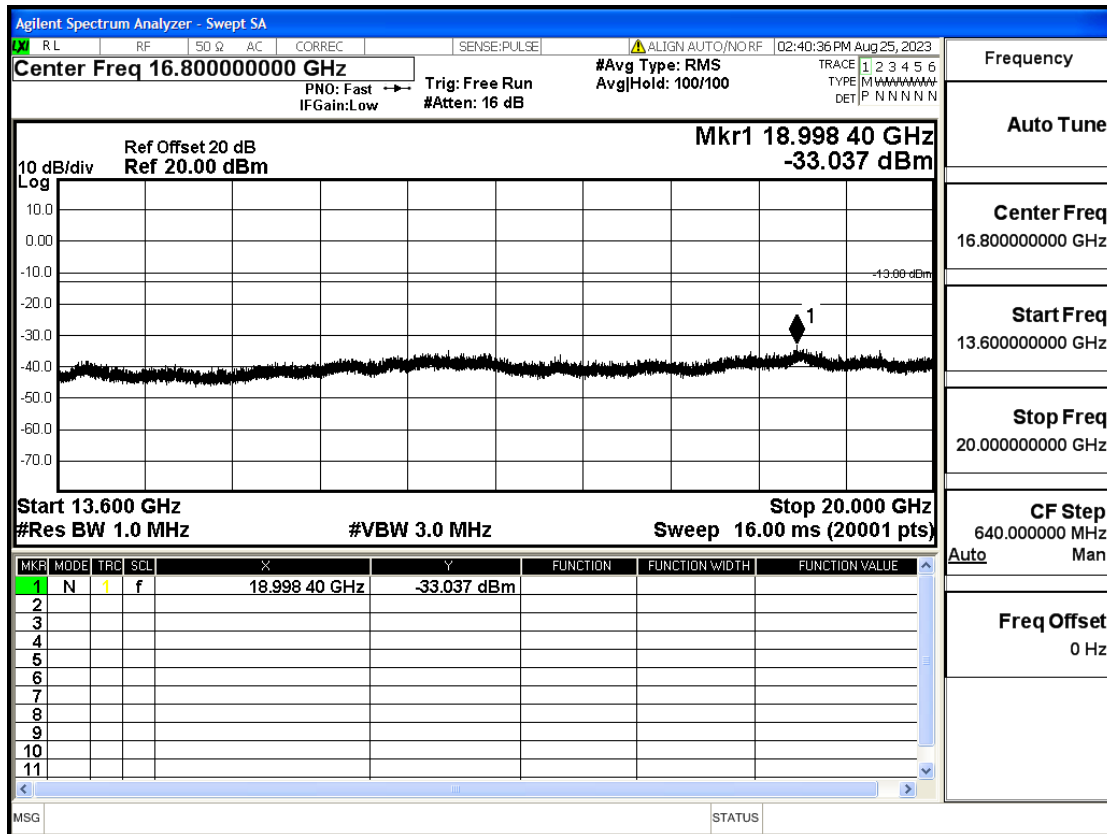
OB4-20-1745-QPSK-1#HIGH@1GHz-7GHz@Pass



OB4-20-1745-QPSK-1#HIGH@7GHz-13.6GHz@Pass



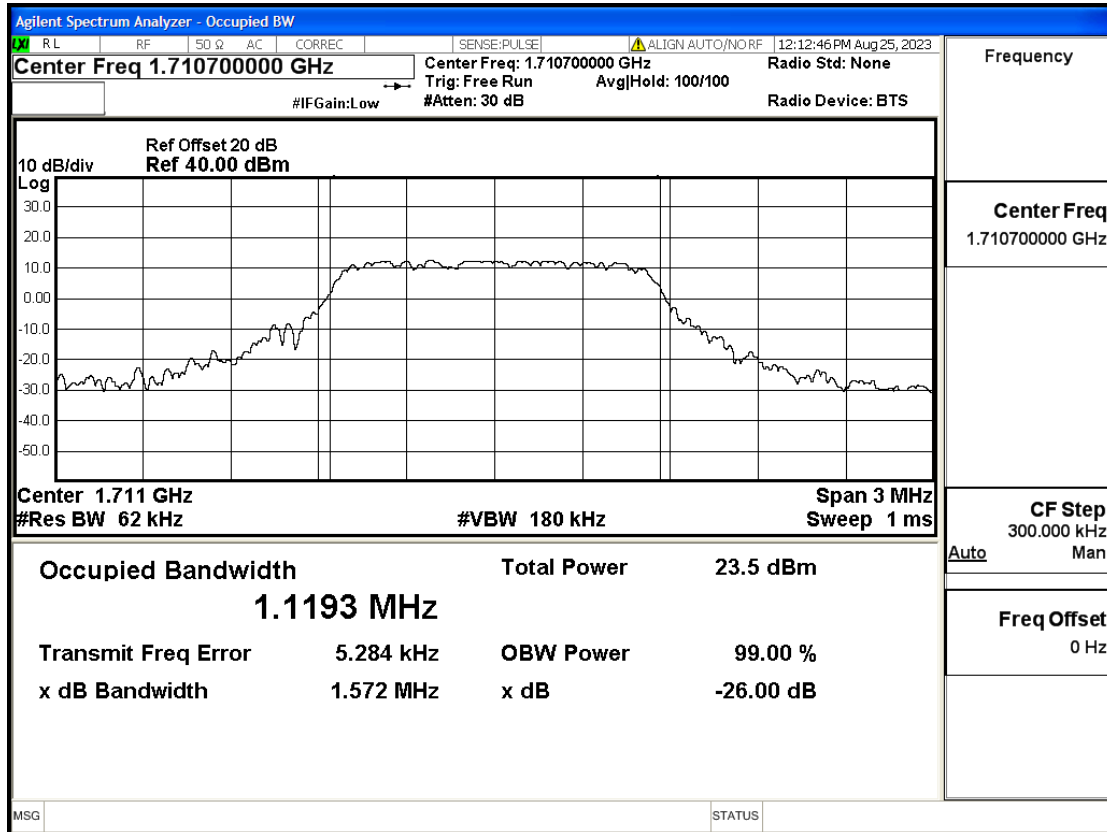
OB4-20-1745-QPSK-1#HIGH@13.6GHz-20GHz@Pass



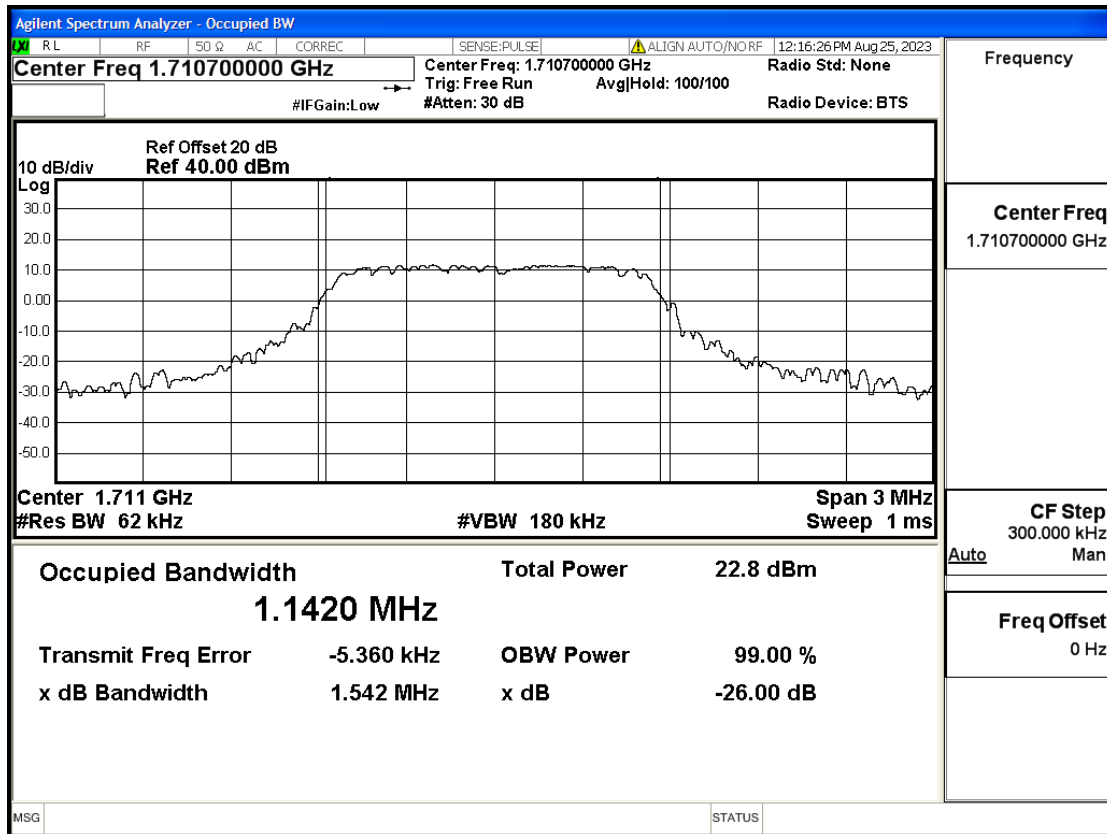
### Emission bandwidth and OBW

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	1119.3	1572	No limit
Band4	1.4	1710.7	16QAM	6	LOW	1142	1542	No limit
Band4	1.4	1732.5	QPSK	6	LOW	1144.2	1663	No limit
Band4	1.4	1732.5	16QAM	6	LOW	1131.2	1627	No limit
Band4	1.4	1754.3	QPSK	6	LOW	1125.1	1548	No limit
Band4	1.4	1754.3	16QAM	6	LOW	1123.4	1559	No limit
Band4	3	1711.5	QPSK	15	LOW	2729.5	3342	No limit
Band4	3	1711.5	16QAM	15	LOW	2736.2	3319	No limit
Band4	3	1732.5	QPSK	15	LOW	2758.8	3336	No limit
Band4	3	1732.5	16QAM	15	LOW	2754.5	3624	No limit
Band4	3	1753.5	QPSK	15	LOW	2741.1	3280	No limit
Band4	3	1753.5	16QAM	15	LOW	2744.6	3418	No limit
Band4	5	1712.5	QPSK	25	LOW	4558.9	5101	No limit
Band4	5	1712.5	16QAM	25	LOW	4546.6	5251	No limit
Band4	5	1732.5	QPSK	25	LOW	4571.3	5370	No limit
Band4	5	1732.5	16QAM	25	LOW	4566.7	6050	No limit
Band4	5	1752.5	QPSK	25	LOW	4571.8	5125	No limit
Band4	5	1752.5	16QAM	25	LOW	4567.9	5159	No limit
Band4	10	1715	QPSK	50	LOW	9059.2	9869	No limit
Band4	10	1715	16QAM	12	LOW	3879.9	8731	No limit
Band4	10	1732.5	QPSK	50	LOW	9076.7	11900	No limit
Band4	10	1732.5	16QAM	12	LOW	5309	8834	No limit
Band4	10	1750	QPSK	50	LOW	9142.8	14650	No limit
Band4	10	1750	16QAM	12	LOW	3790.7	6510	No limit
Band4	15	1717.5	QPSK	75	LOW	13822	17320	No limit
Band4	15	1717.5	16QAM	16	LOW	6358.4	14260	No limit
Band4	15	1732.5	QPSK	75	LOW	13669	18590	No limit
Band4	15	1732.5	16QAM	16	LOW	8105	13970	No limit
Band4	15	1747.5	QPSK	75	LOW	14475	23910	No limit
Band4	15	1747.5	16QAM	16	LOW	5999.6	10290	No limit
Band4	20	1720	QPSK	100	LOW	18421	21580	No limit
Band4	20	1720	16QAM	18	LOW	10076	18830	No limit
Band4	20	1732.5	QPSK	100	LOW	18123	21490	No limit
Band4	20	1732.5	16QAM	18	LOW	12352	19860	No limit
Band4	20	1745	QPSK	100	LOW	18306	26590	No limit
Band4	20	1745	16QAM	18	LOW	6494.2	12270	No limit

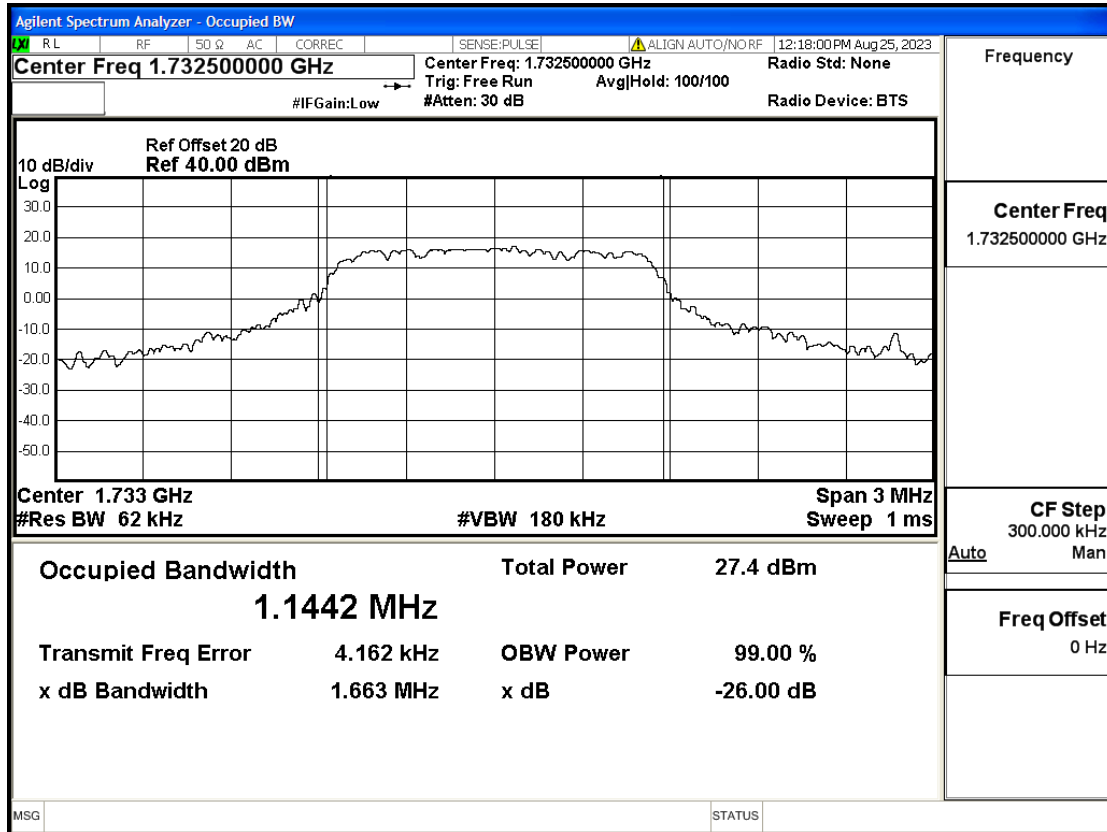
Band4-1.4-1710.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



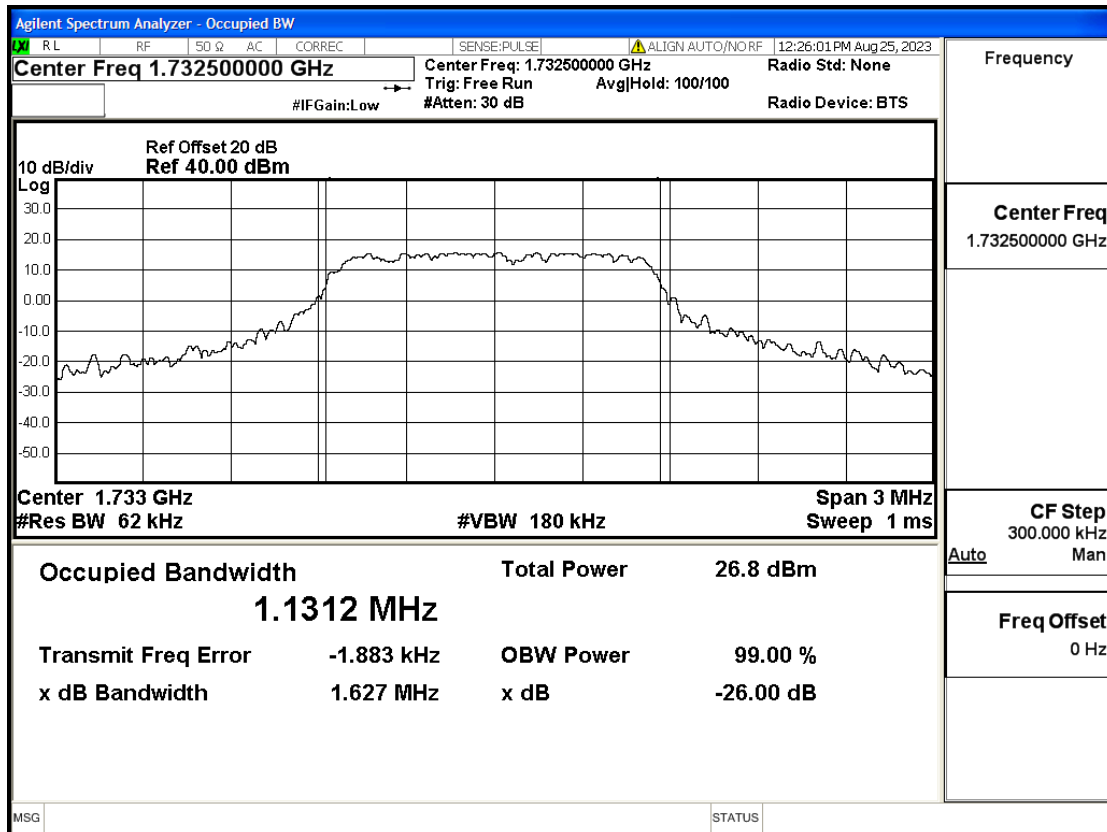
Band4-1.4-1710.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



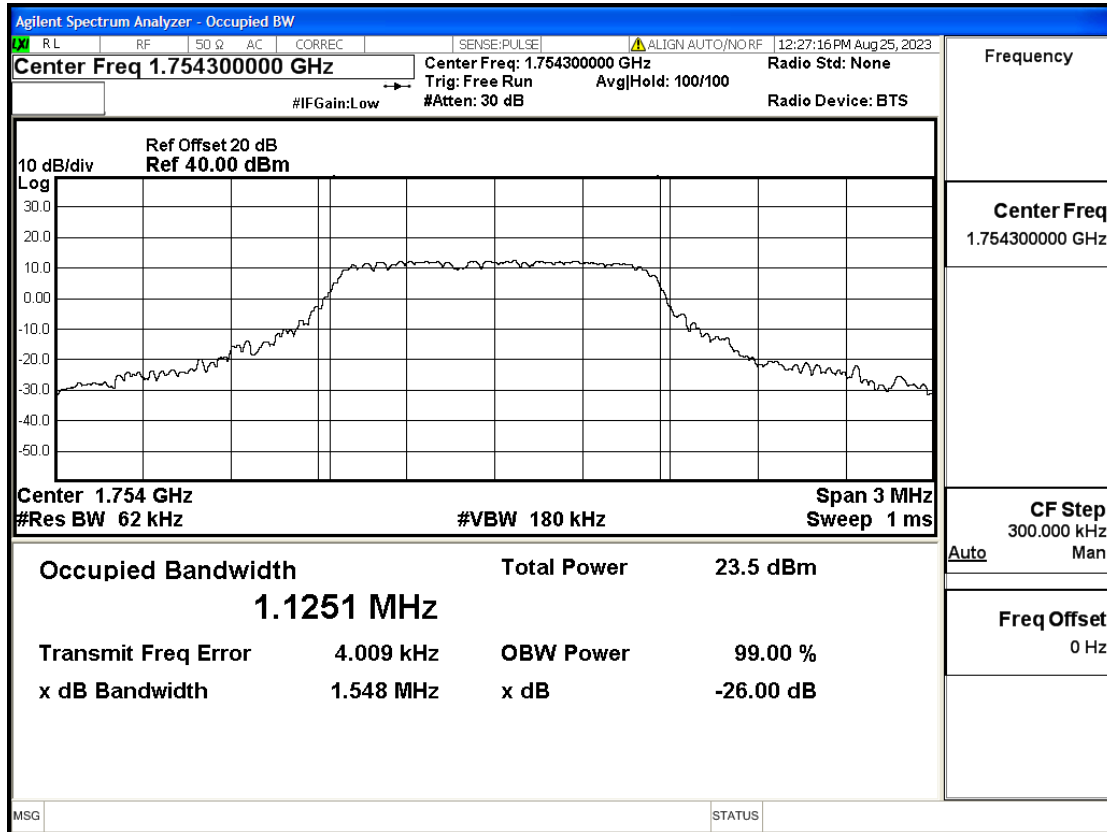
Band4-1.4-1732.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



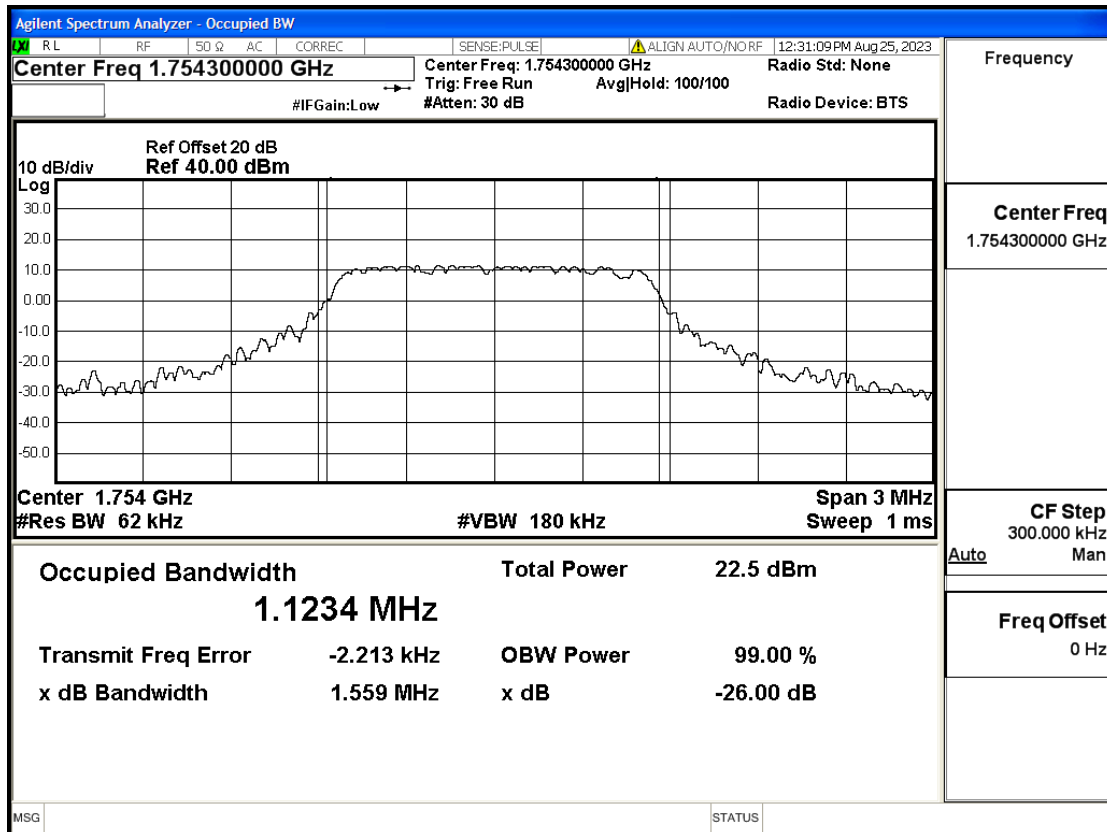
Band4-1.4-1732.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



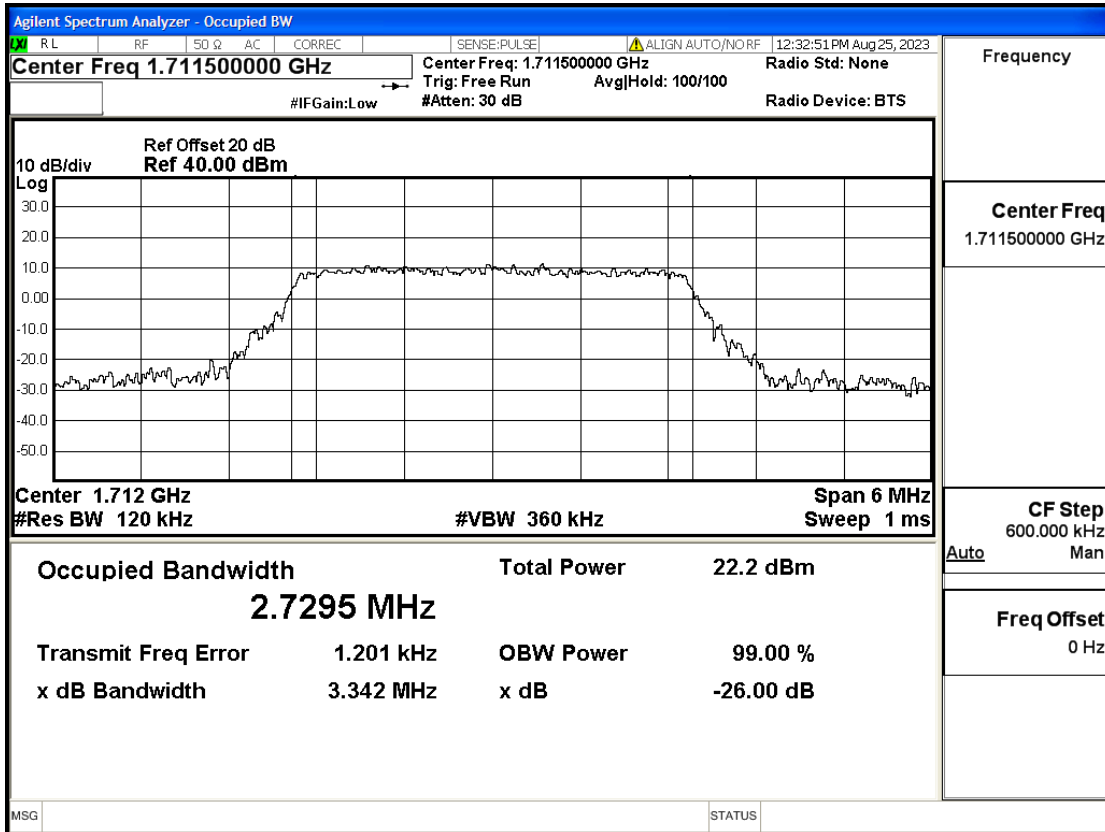
Band4-1.4-1754.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



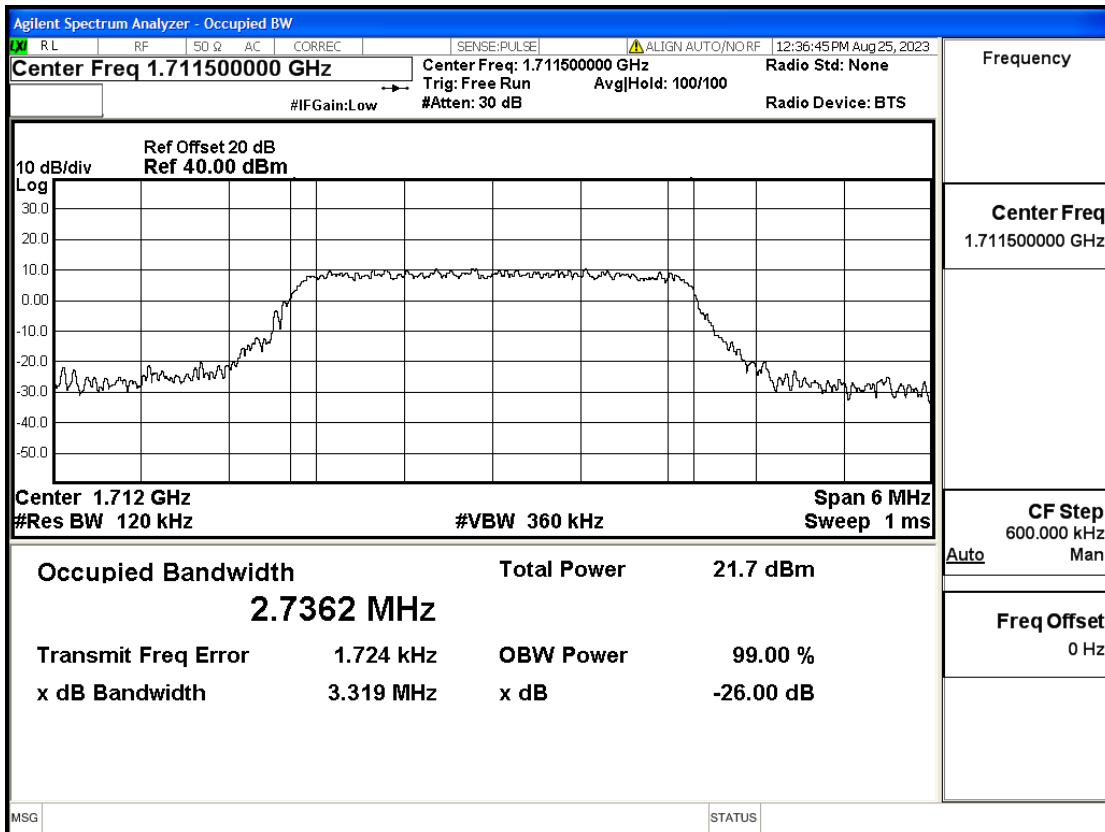
Band4-1.4-1754.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



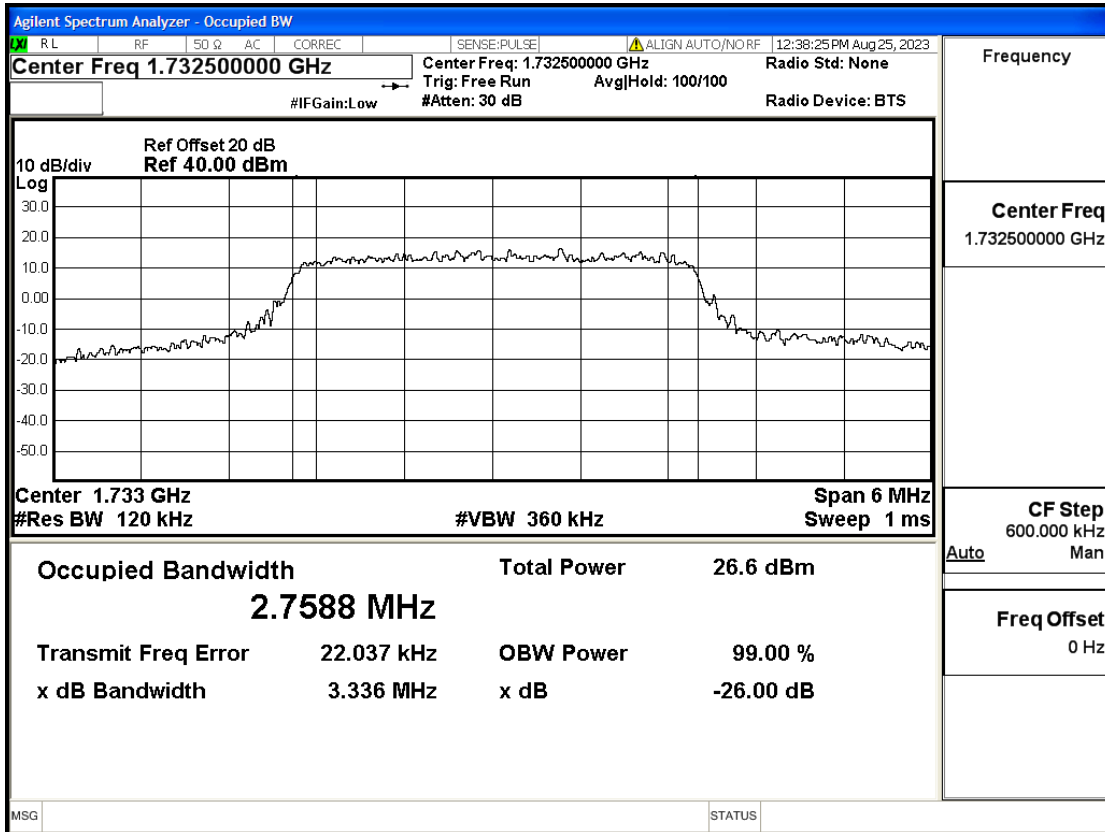
Band4-3-1711.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



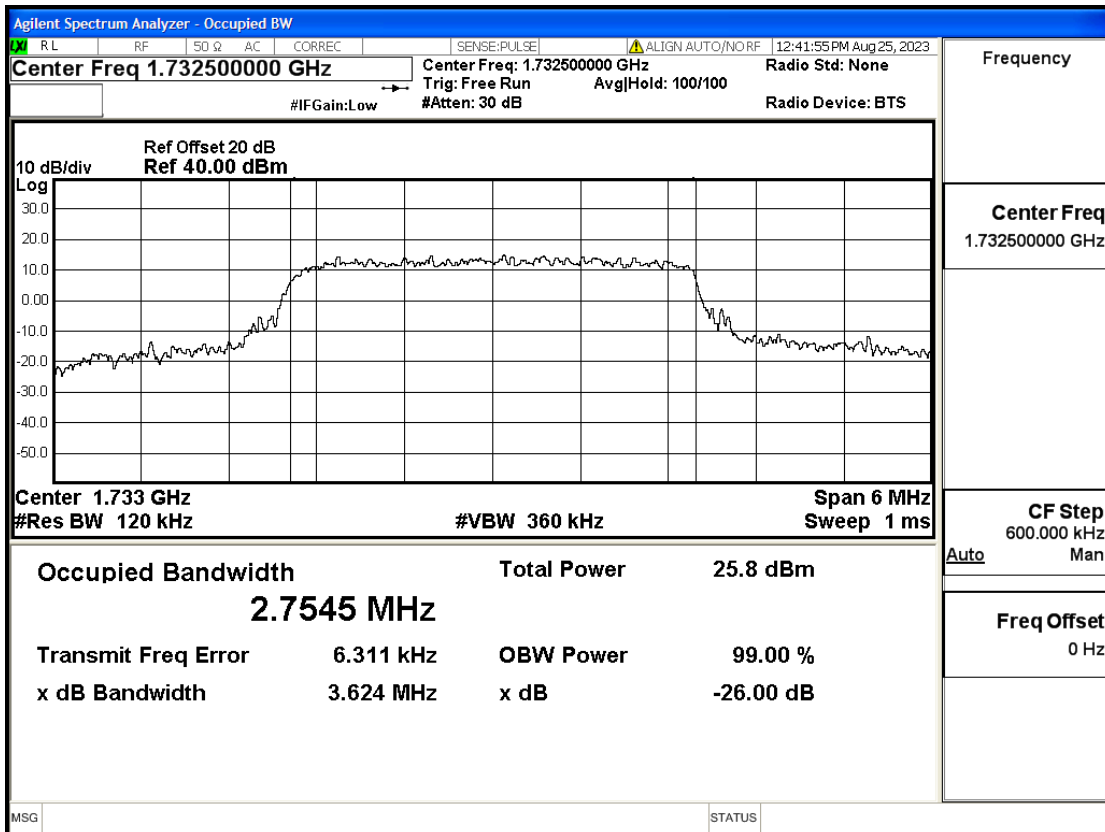
Band4-3-1711.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



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

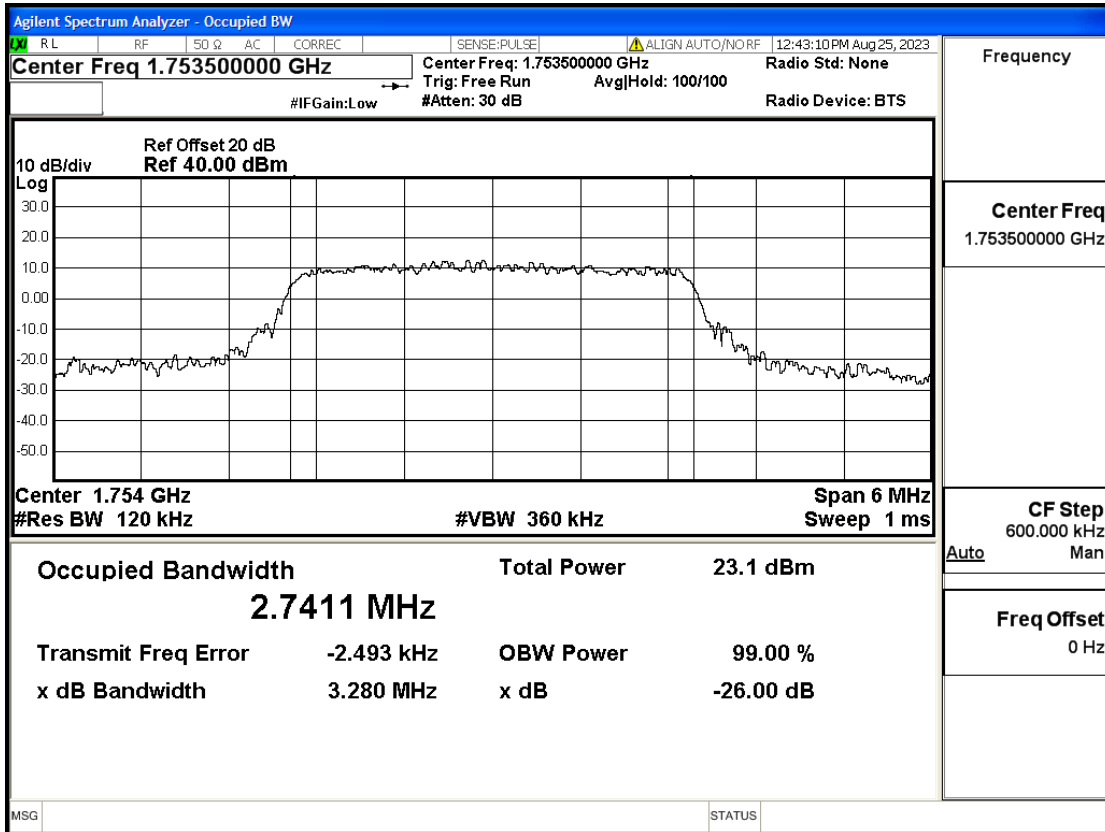


Band4-3-1732.5-16QAM-15#LOW@26dB and 99PCT Bandwidth

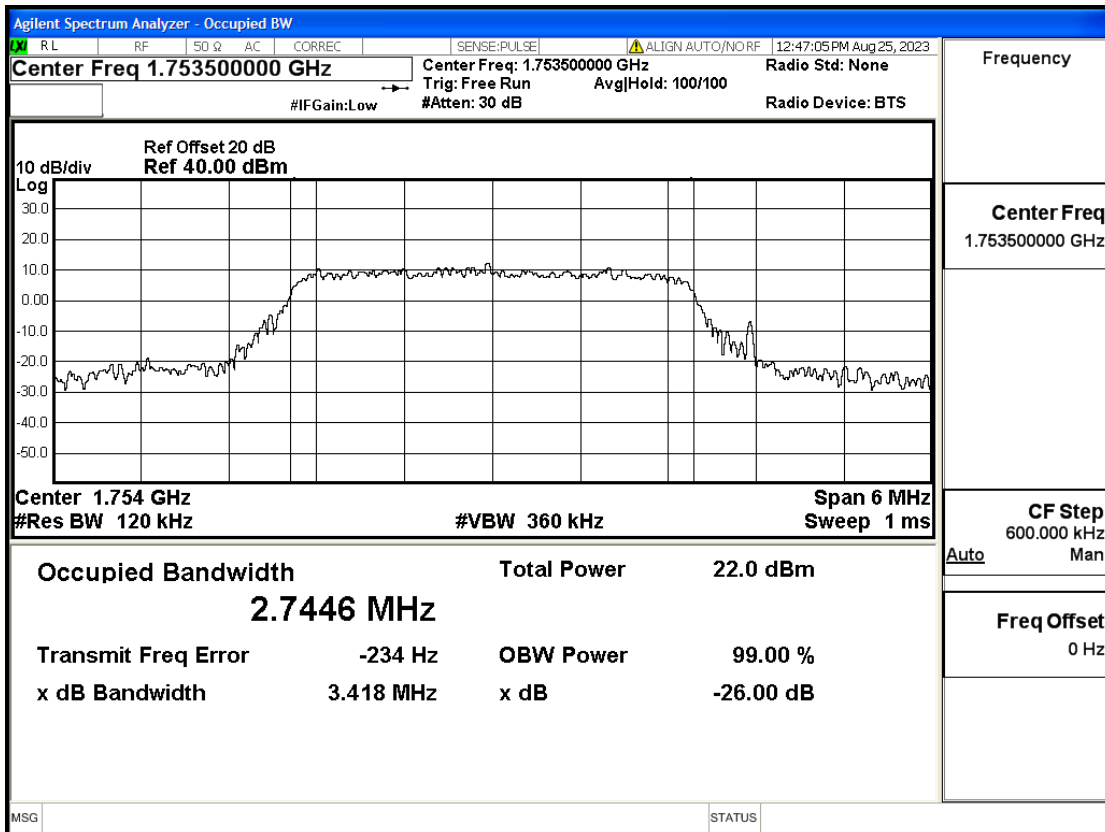




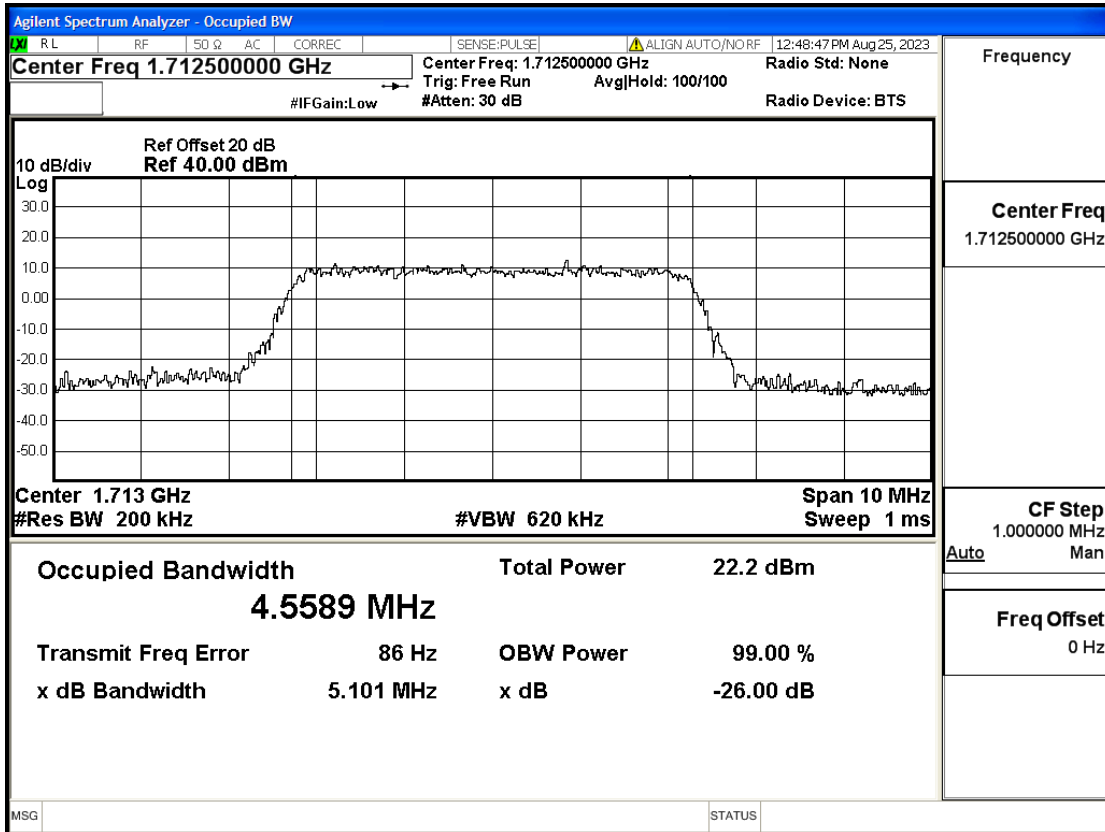
Band4-3-1753.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



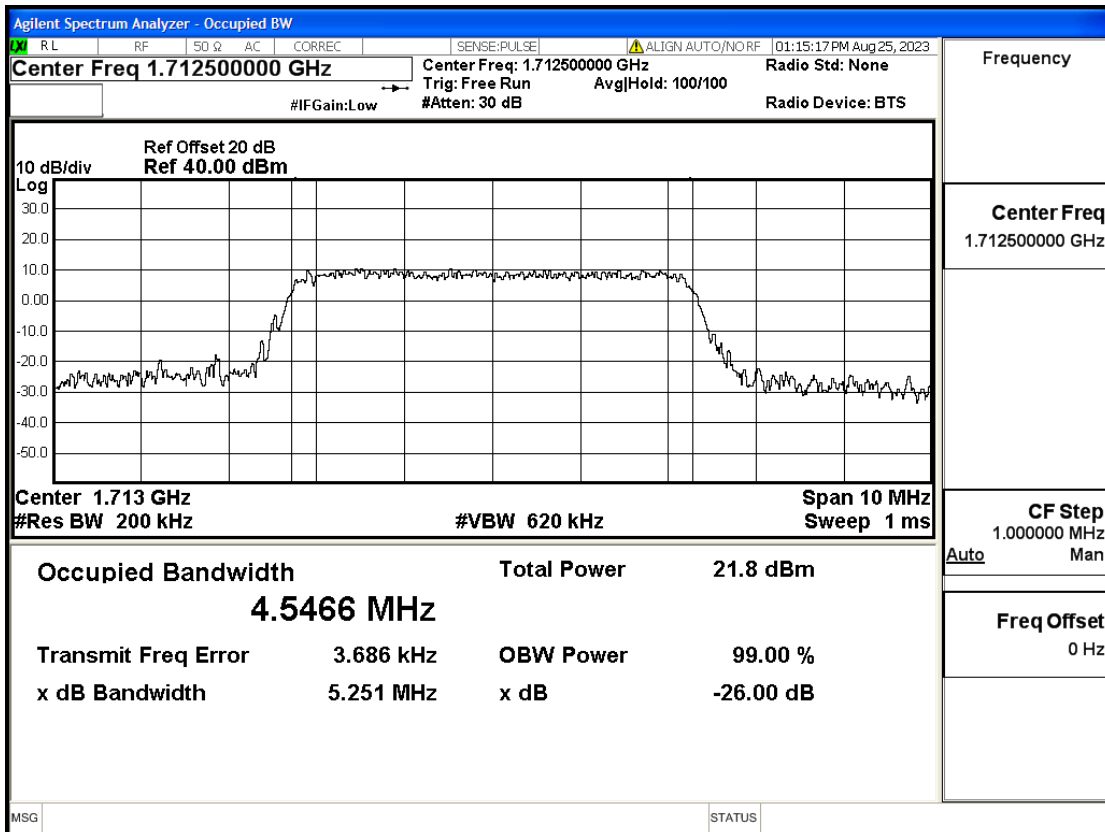
Band4-3-1753.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



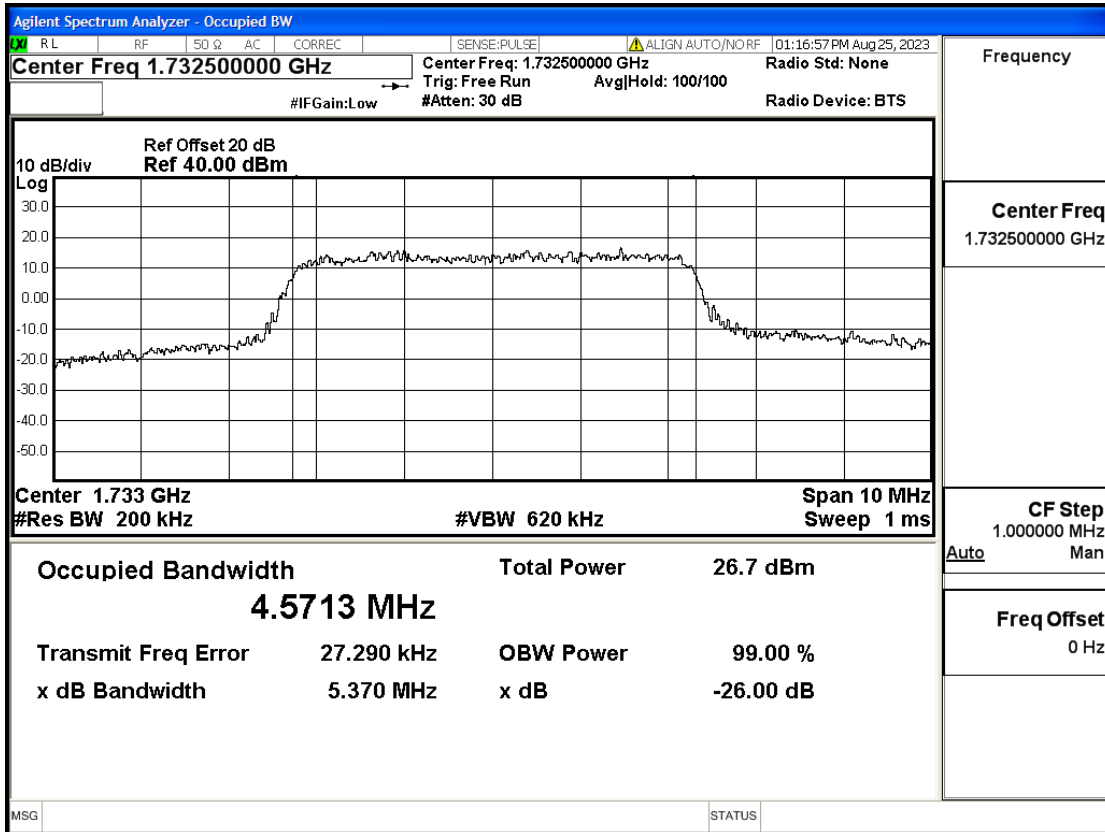
Band4-5-1712.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



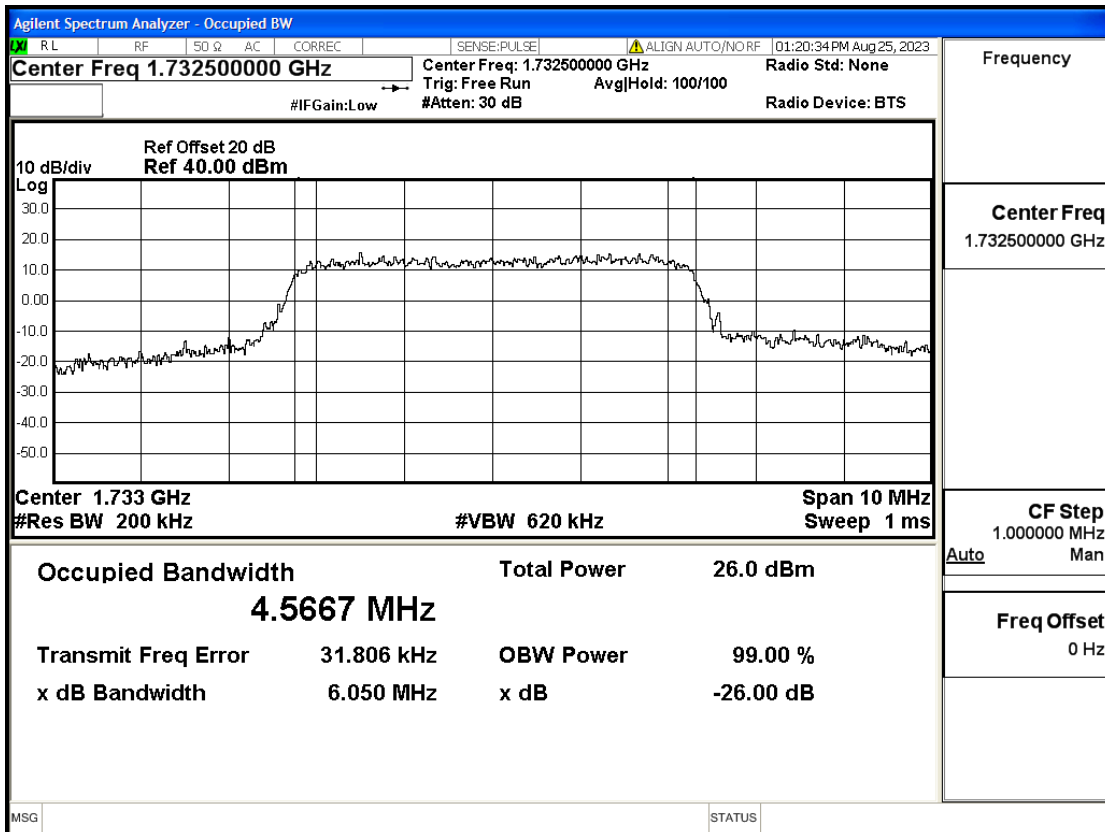
Band4-5-1712.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



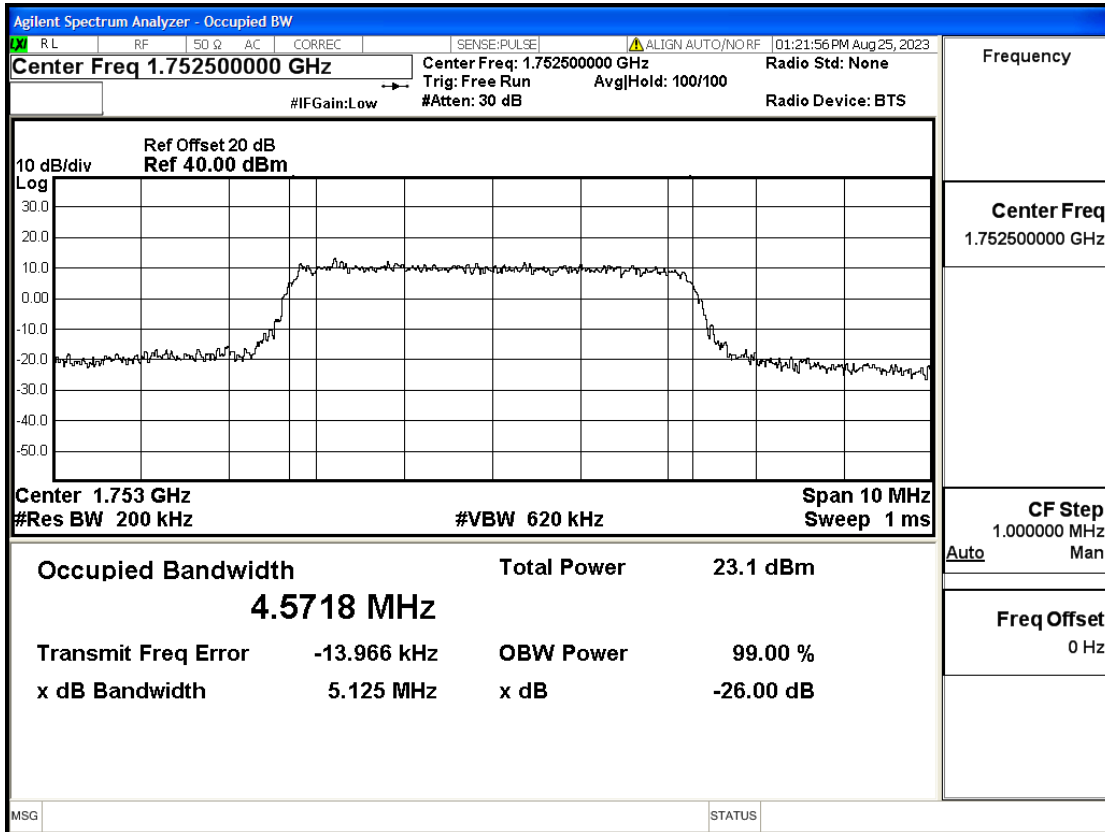
Band4-5-1732.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



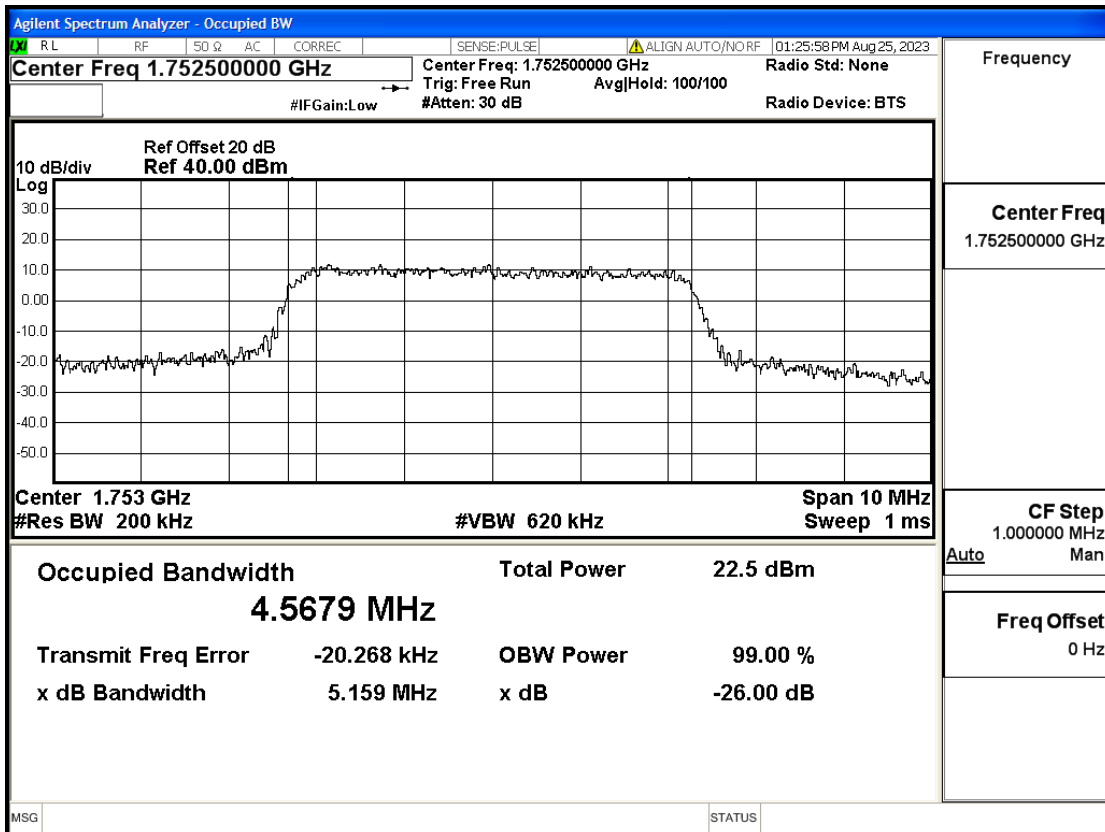
Band4-5-1732.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



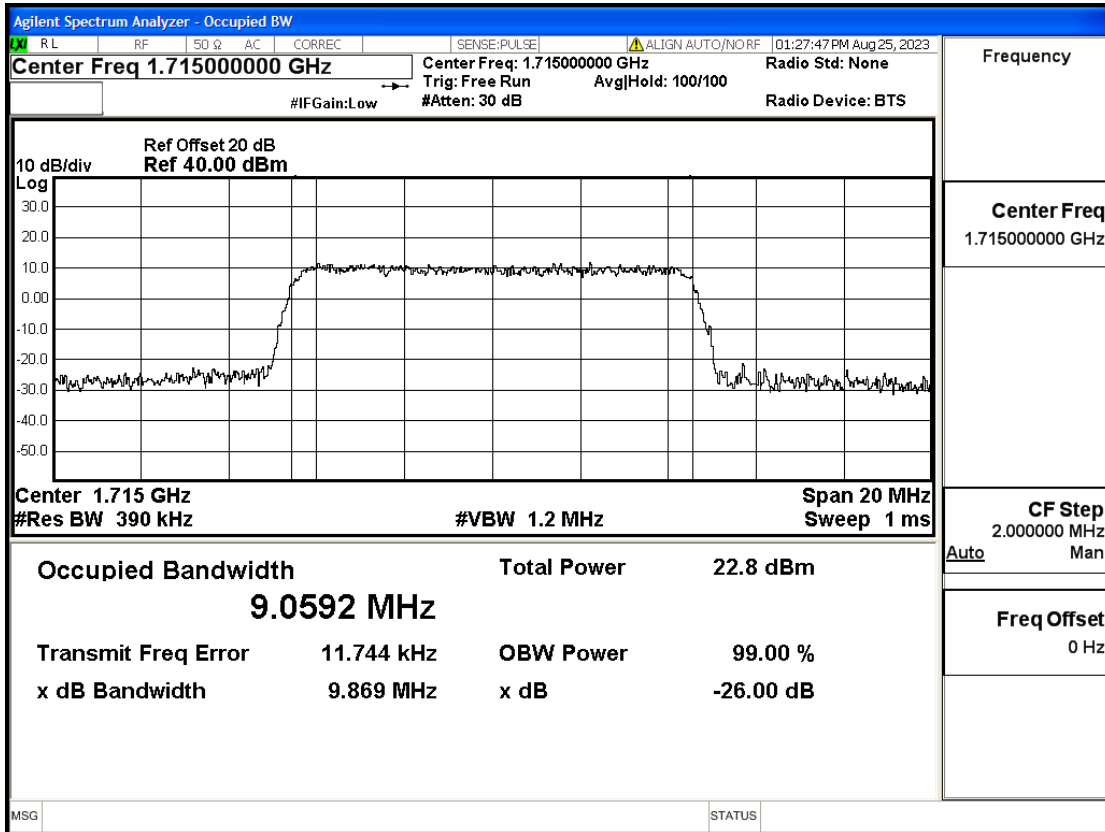
Band4-5-1752.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



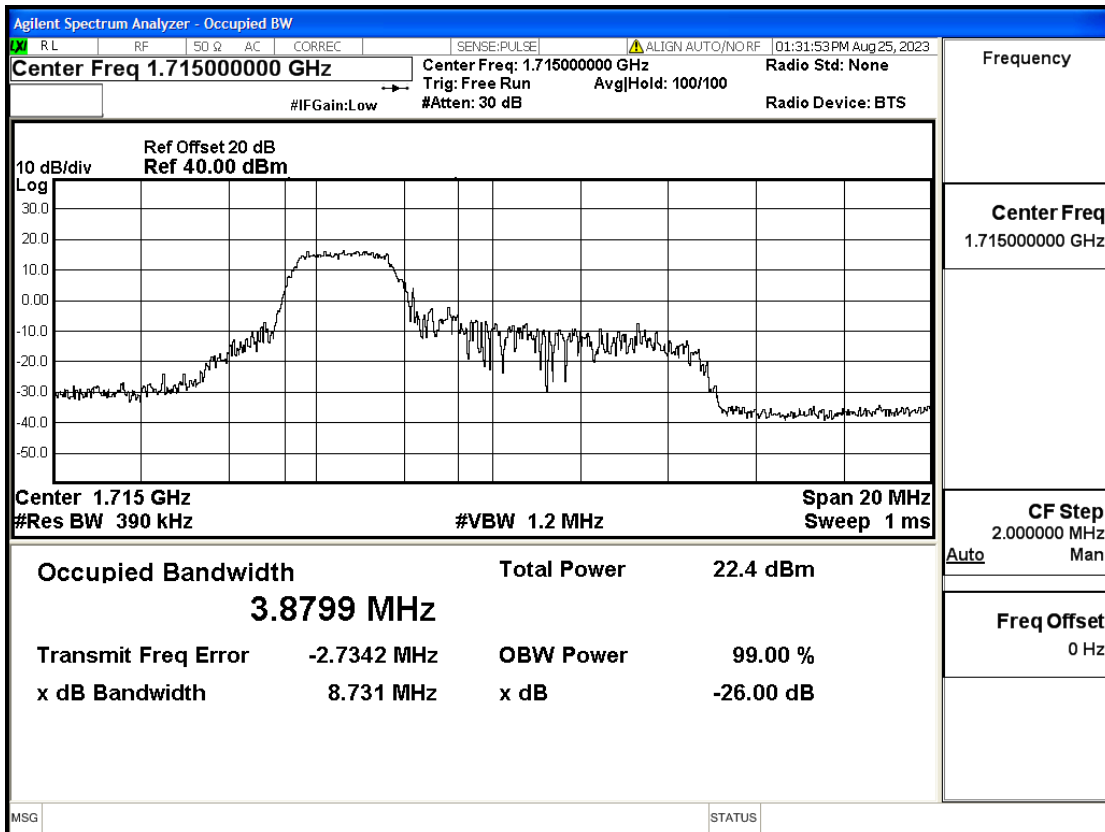
Band4-5-1752.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



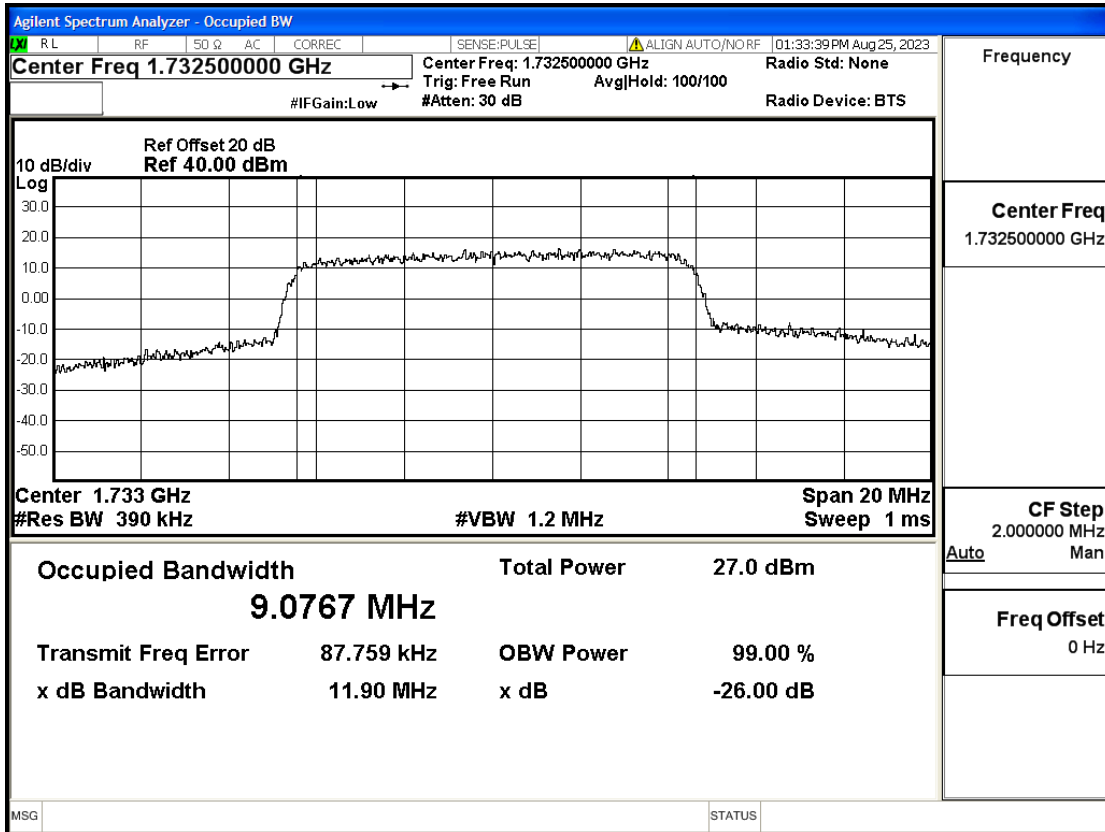
Band4-10-1715-QPSK-50#LOW@26dB and 99PCT Bandwidth



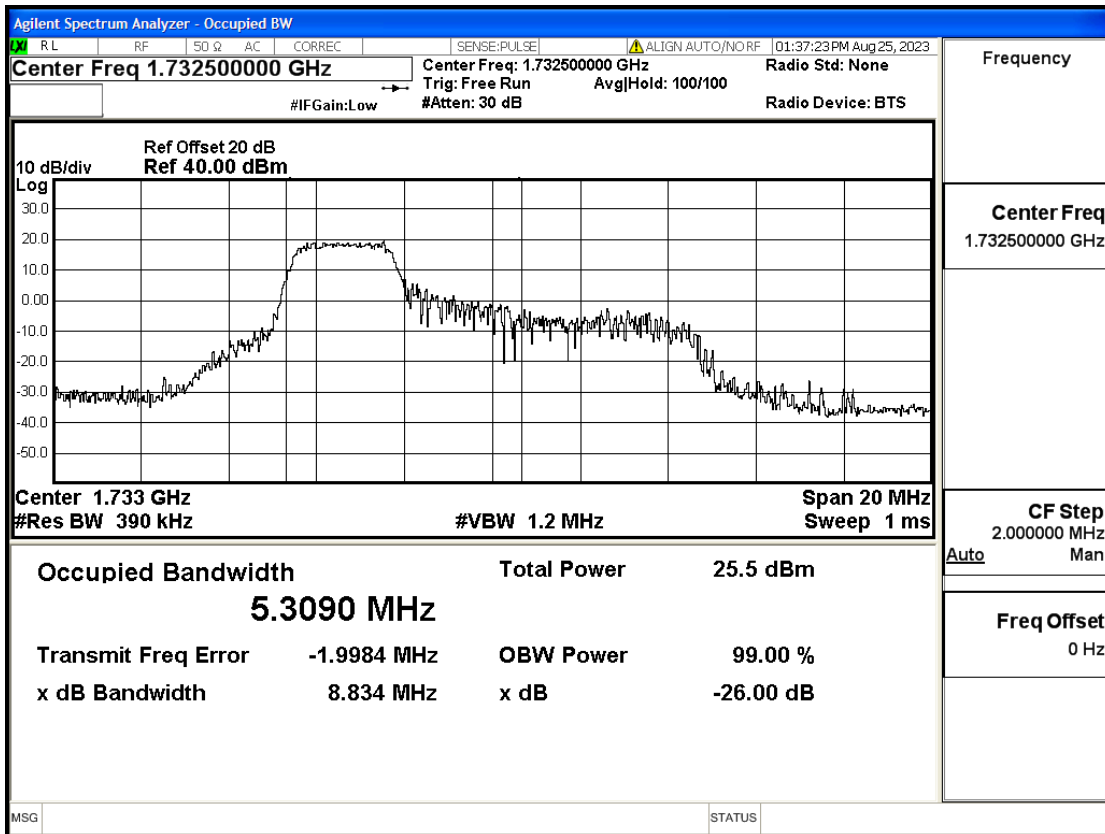
Band4-10-1715-16QAM-12#LOW@26dB and 99PCT Bandwidth



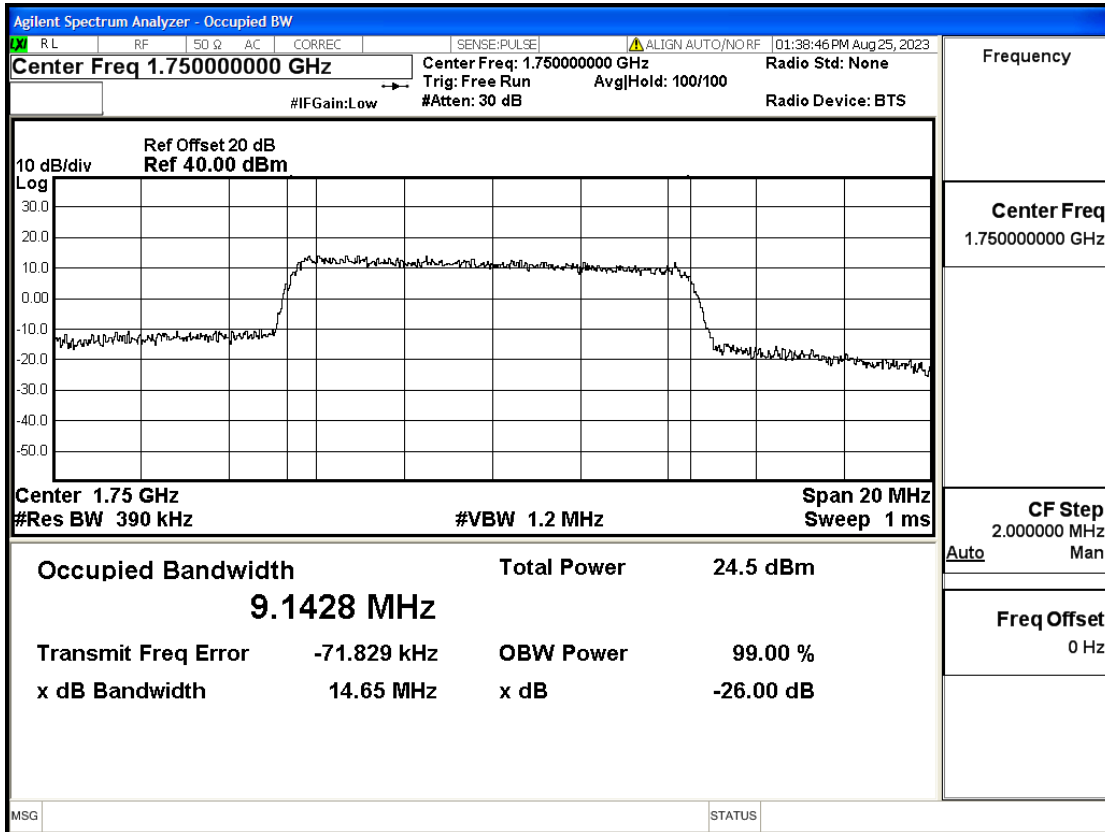
Band4-10-1732.5-QPSK-50#LOW@26dB and 99PCT Bandwidth



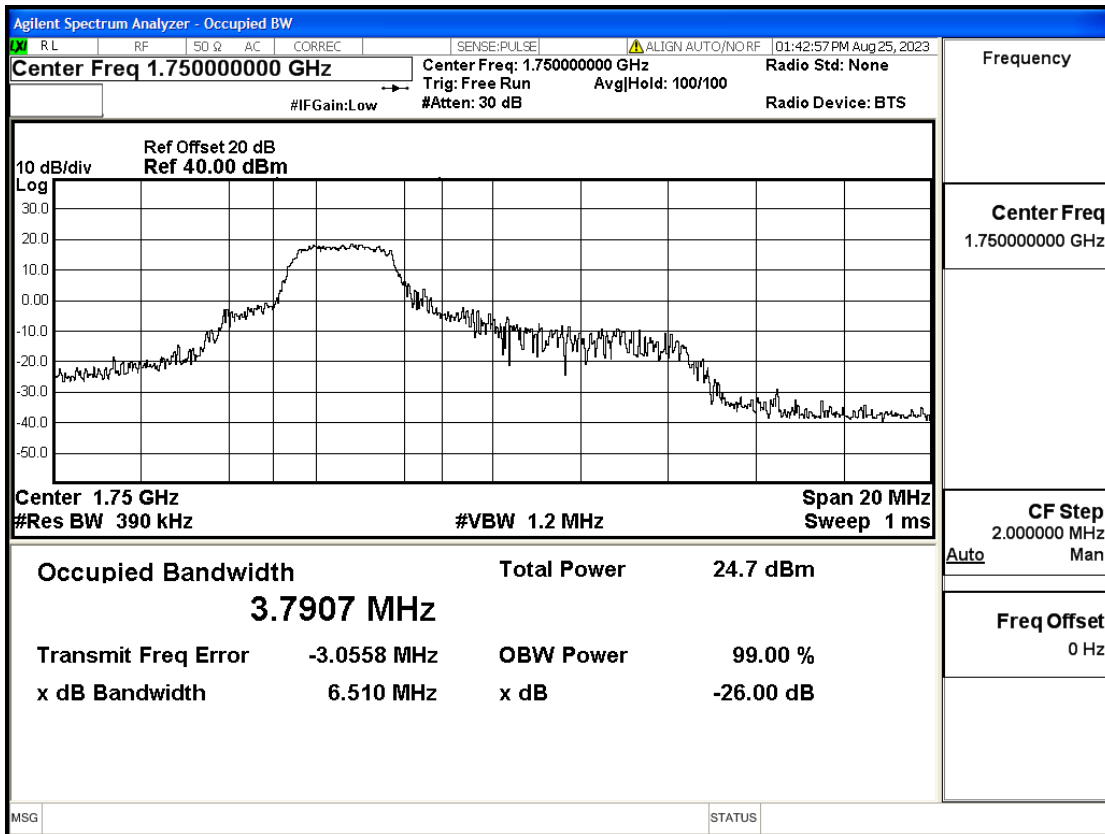
Band4-10-1732.5-16QAM-12#LOW@26dB and 99PCT Bandwidth



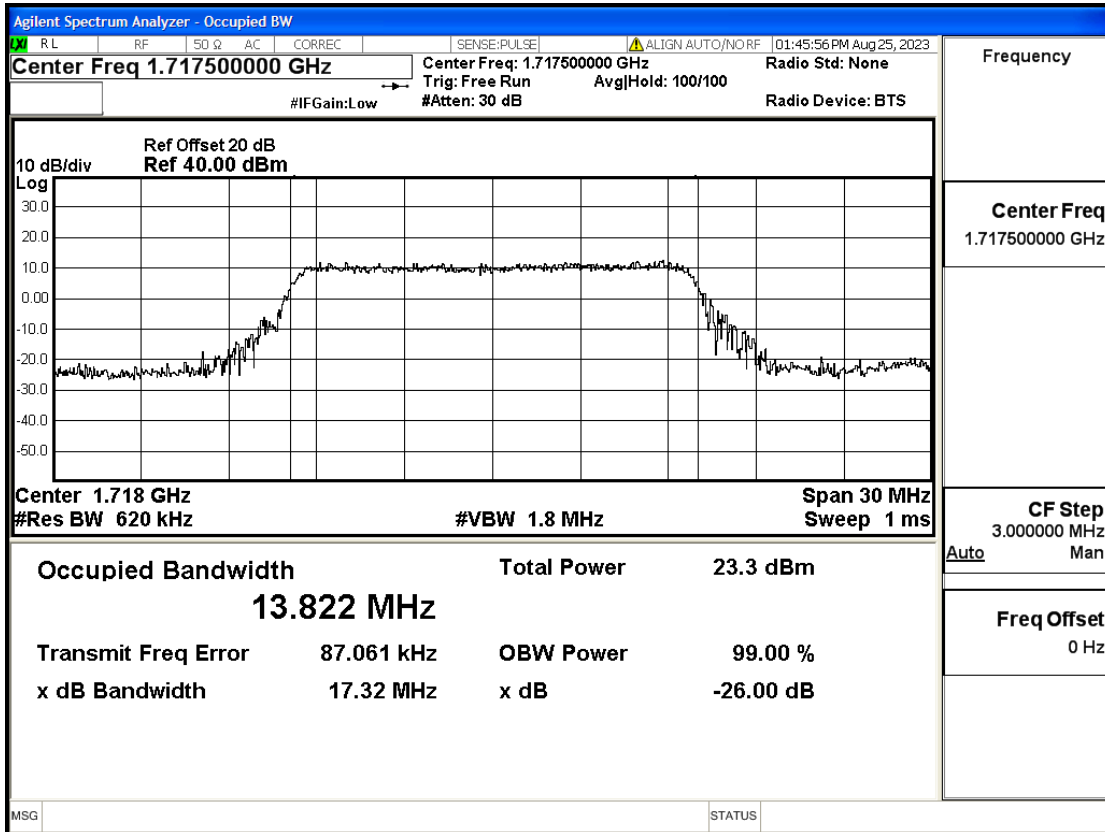
Band4-10-1750-QPSK-50#LOW@26dB and 99PCT Bandwidth



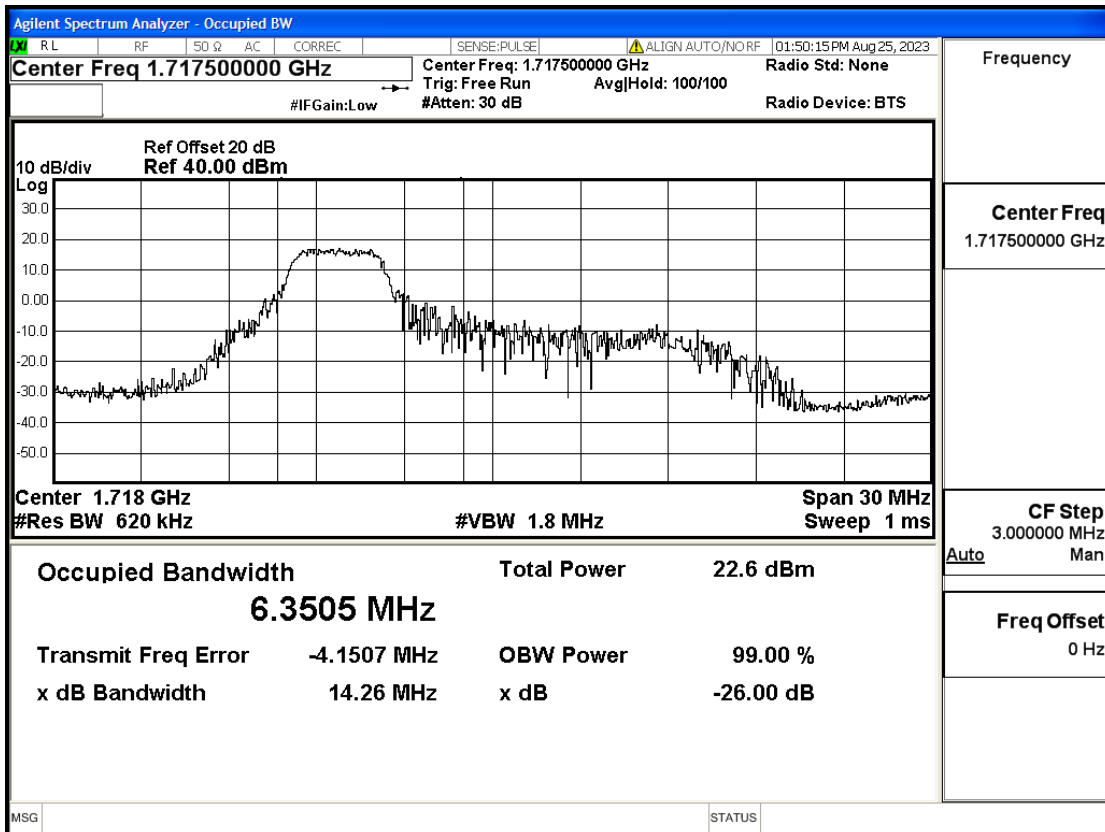
Band4-10-1750-16QAM-12#LOW@26dB and 99PCT Bandwidth



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

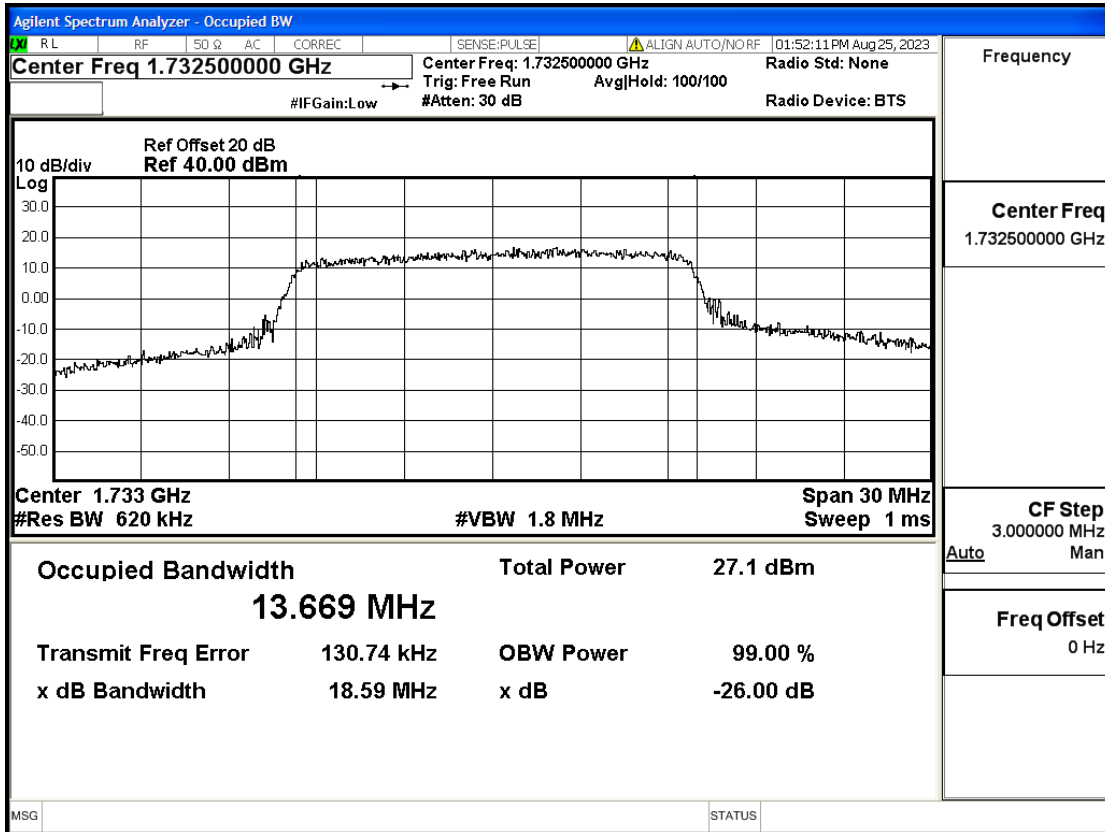


Band4-15-1717.5-16QAM-16#LOW@26dB and 99PCT Bandwidth

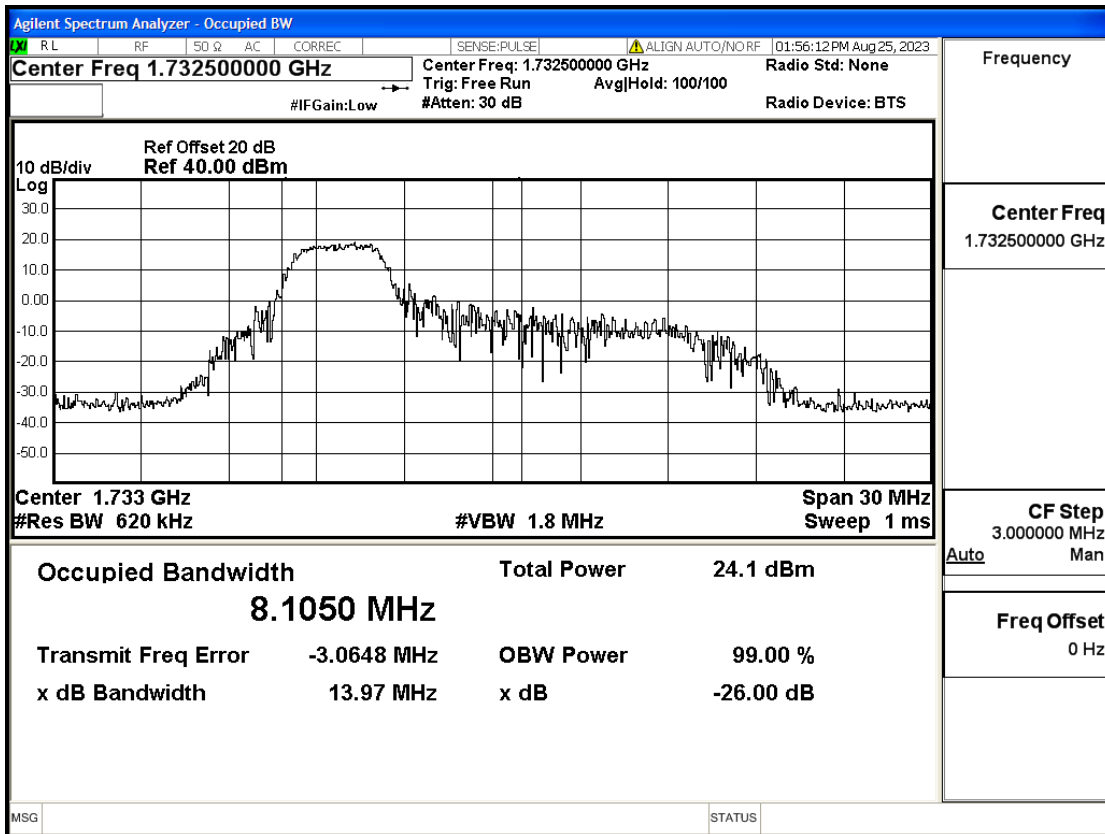




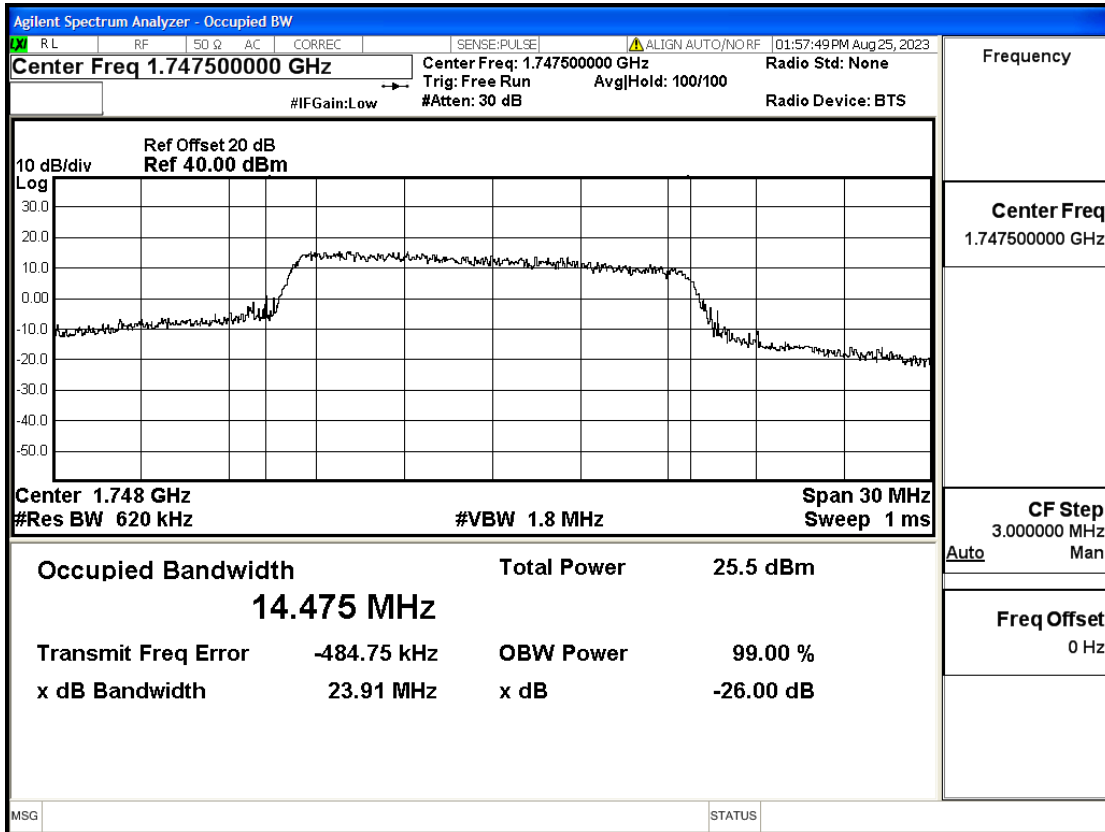
Band4-15-1732.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



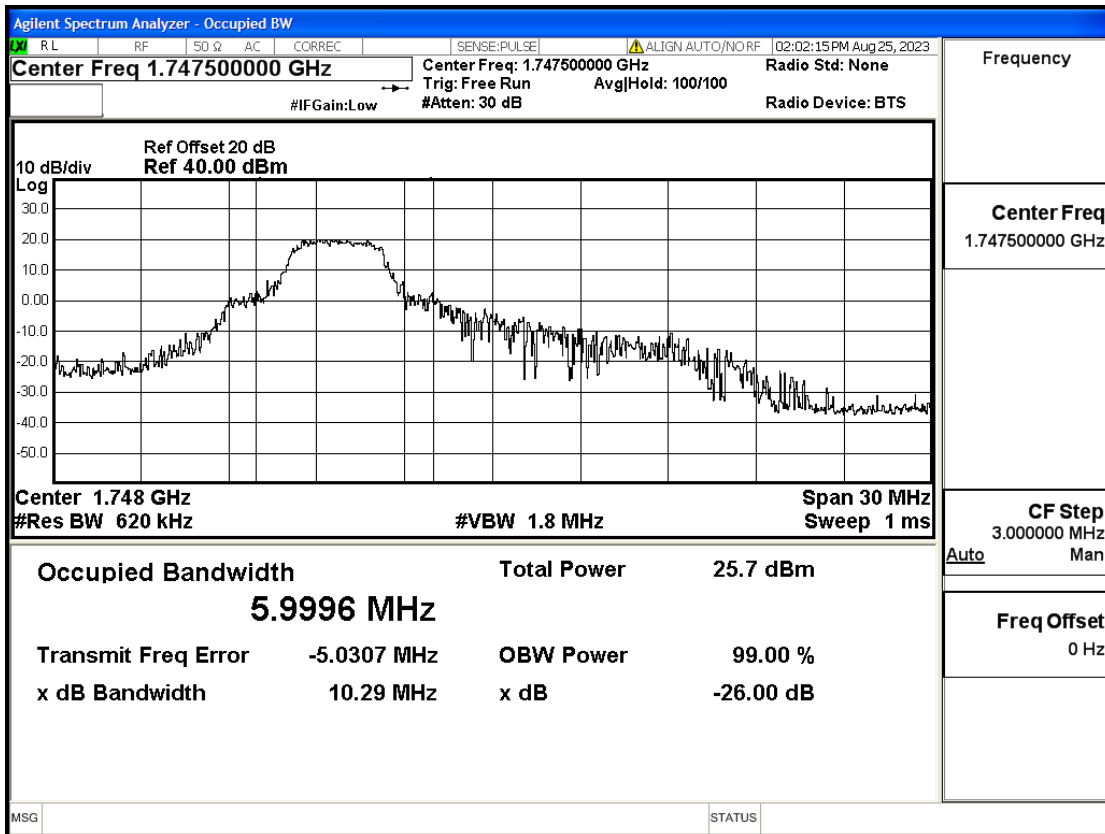
Band4-15-1732.5-16QAM-16#LOW@26dB and 99PCT Bandwidth



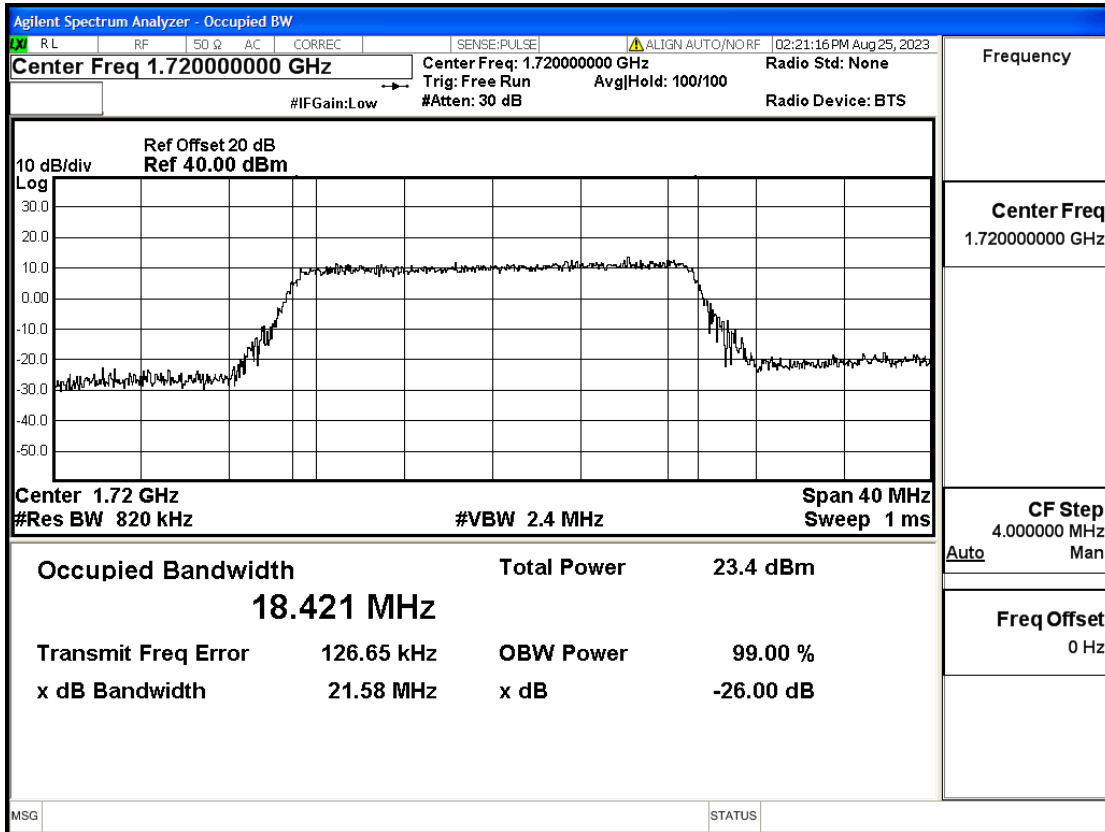
Band4-15-1747.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



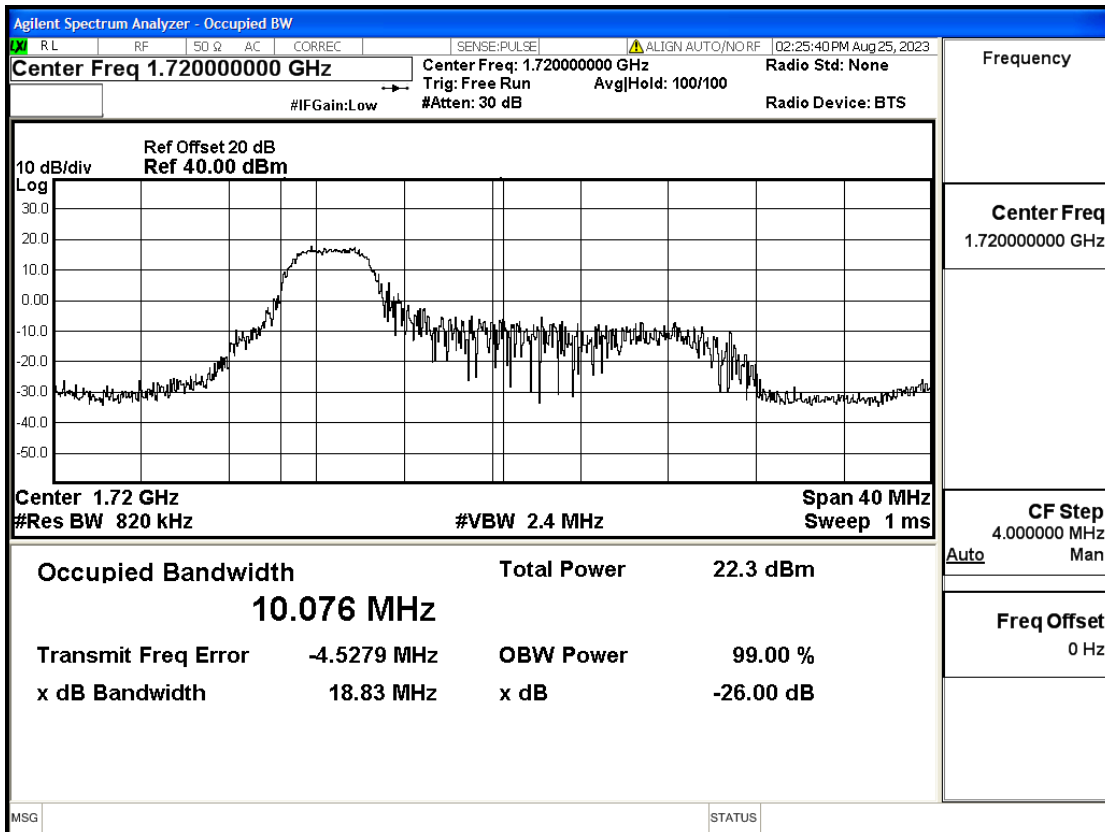
Band4-15-1747.5-16QAM-16#LOW@26dB and 99PCT Bandwidth



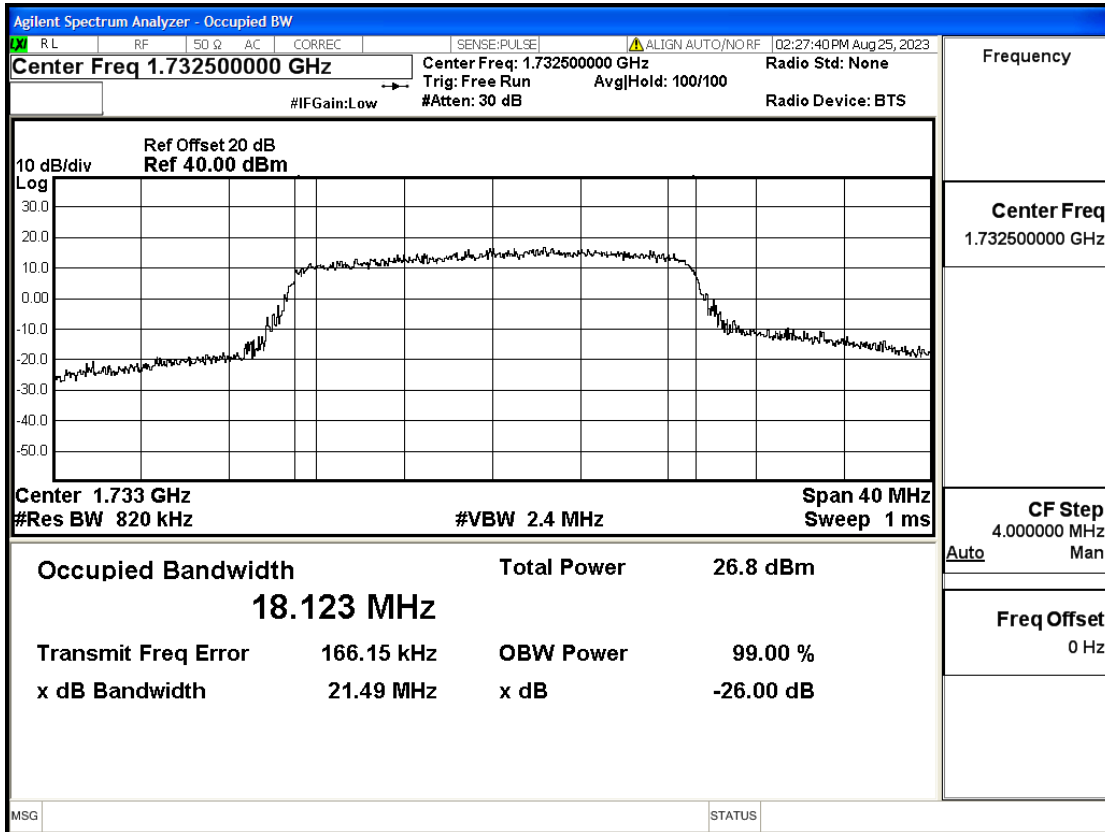
Band4-20-1720-QPSK-100#LOW@26dB and 99PCT Bandwidth



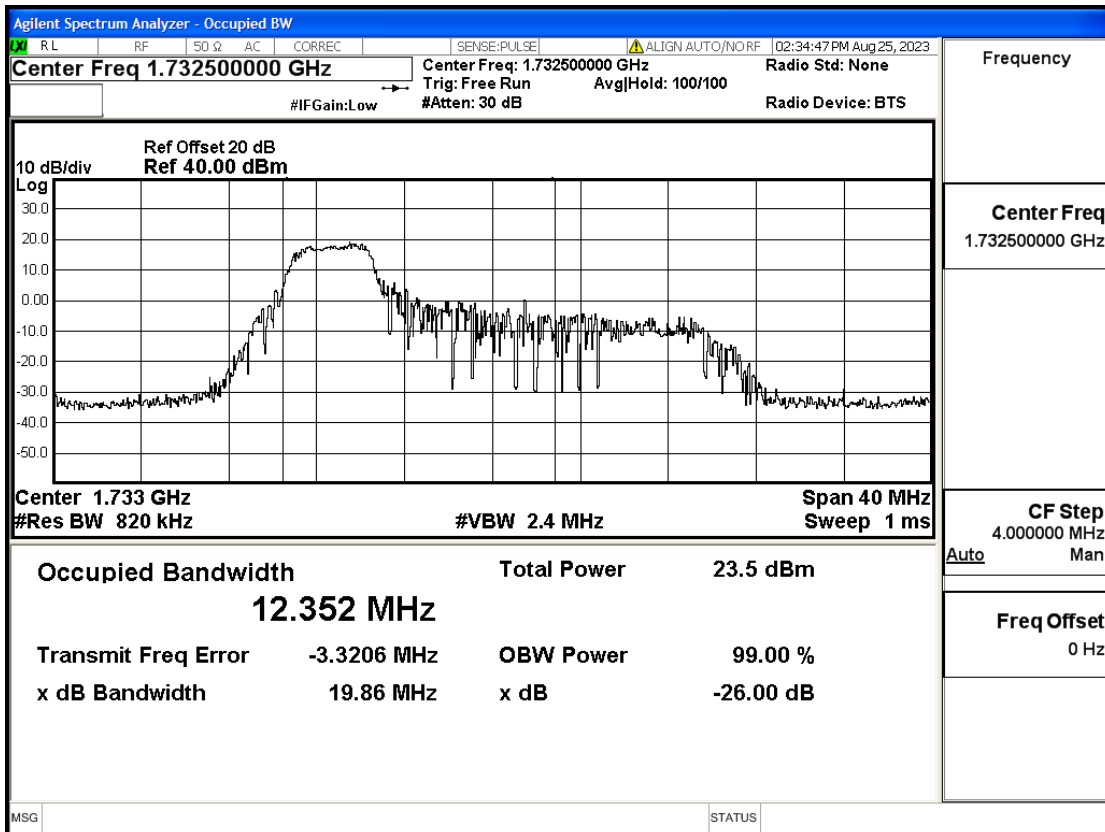
Band4-20-1720-16QAM-18#LOW@26dB and 99PCT Bandwidth



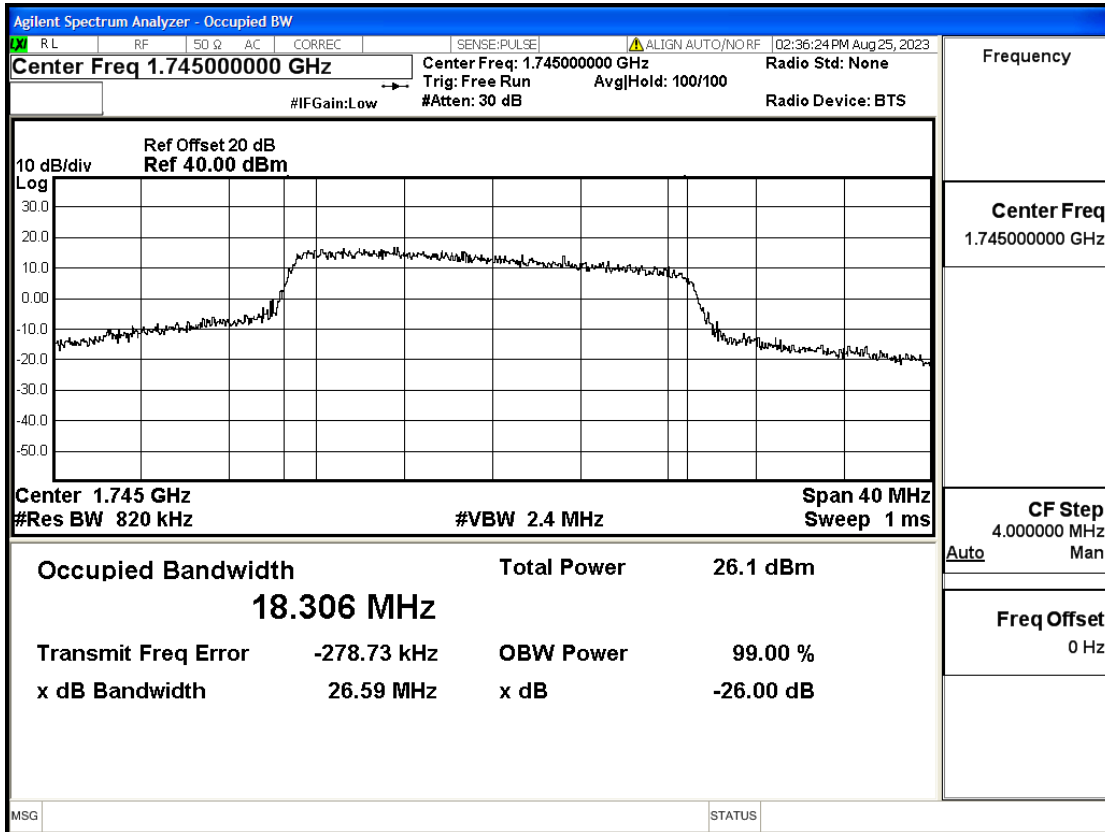
Band4-20-1732.5-QPSK-100#LOW@26dB and 99PCT Bandwidth



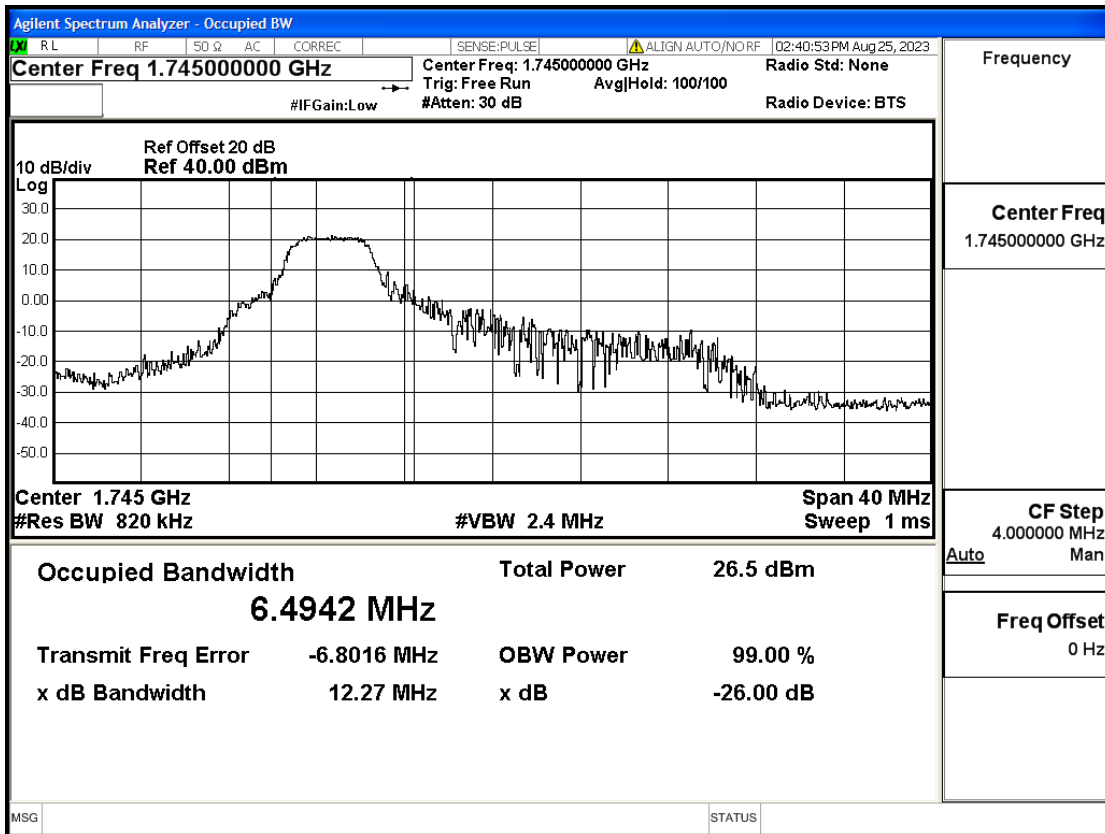
Band4-20-1732.5-16QAM-18#LOW@26dB and 99PCT Bandwidth



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



Band4-20-1745-16QAM-18#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	0.0674	PASS
40	Normal Voltage	0.0331	
30	Normal Voltage	0.0172	
20(Ref.)	Normal Voltage	0.0242	
10	Normal Voltage	0.0618	
0	Normal Voltage	0.0177	
-10	Normal Voltage	0.0421	
-20	Normal Voltage	0.0364	
-30	Normal Voltage	0.0187	
20	Maximum Voltage	0.0167	
20	Normal Voltage	0.0249	
20	Battery End Point	0.0581	

## 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	17.04	22.67	5.63	13	-0.9	16.14	30	Pass
Band4	1.4	1710.7	QPSK	3	LOW	18.02	22.33	4.31	13	-0.9	17.12	30	Pass
Band4	1.4	1710.7	QPSK	3	MID	18.17	22.46	4.29	13	-0.9	17.27	30	Pass
Band4	1.4	1710.7	QPSK	3	HIGH	18.09	22.63	4.54	13	-0.9	17.19	30	Pass
Band4	1.4	1710.7	QPSK	1	LOW	18.17	22.34	4.17	13	-0.9	17.27	30	Pass
Band4	1.4	1710.7	QPSK	1	MID	18.01	21.75	3.74	13	-0.9	17.11	30	Pass
Band4	1.4	1710.7	QPSK	1	HIGH	17.41	21.63	4.22	13	-0.9	16.51	30	Pass
Band4	1.4	1710.7	16QAM	6	LOW	16.07	22.31	6.24	13	-0.9	15.17	30	Pass
Band4	1.4	1710.7	16QAM	3	LOW	17.12	22.08	4.96	13	-0.9	16.22	30	Pass
Band4	1.4	1710.7	16QAM	3	MID	17.11	22.05	4.94	13	-0.9	16.21	30	Pass
Band4	1.4	1710.7	16QAM	3	HIGH	17.02	22.19	5.17	13	-0.9	16.12	30	Pass
Band4	1.4	1710.7	16QAM	1	LOW	17.13	21.6	4.47	13	-0.9	16.23	30	Pass
Band4	1.4	1710.7	16QAM	1	MID	17.28	21.38	4.1	13	-0.9	16.38	30	Pass
Band4	1.4	1710.7	16QAM	1	HIGH	16.59	21.38	4.79	13	-0.9	15.69	30	Pass
Band4	1.4	1732.5	QPSK	6	LOW	21.05	25.2	4.15	13	-0.9	20.15	30	Pass
Band4	1.4	1732.5	QPSK	3	LOW	21.7	25.1	3.4	13	-0.9	20.8	30	Pass
Band4	1.4	1732.5	QPSK	3	MID	21.68	25.09	3.41	13	-0.9	20.78	30	Pass
Band4	1.4	1732.5	QPSK	3	HIGH	21.85	25.01	3.16	13	-0.9	20.95	30	Pass
Band4	1.4	1732.5	QPSK	1	LOW	21.76	24.74	2.98	13	-0.9	20.86	30	Pass
Band4	1.4	1732.5	QPSK	1	MID	22.21	24.96	2.75	13	-0.9	21.31	30	Pass
Band4	1.4	1732.5	QPSK	1	HIGH	21.83	24.6	2.77	13	-0.9	20.93	30	Pass
Band4	1.4	1732.5	16QAM	6	LOW	20.3	25.52	5.22	13	-0.9	19.4	30	Pass
Band4	1.4	1732.5	16QAM	3	LOW	20.72	24.94	4.22	13	-0.9	19.82	30	Pass
Band4	1.4	1732.5	16QAM	3	MID	20.8	24.94	4.14	13	-0.9	19.9	30	Pass
Band4	1.4	1732.5	16QAM	3	HIGH	21.05	24.93	3.88	13	-0.9	20.15	30	Pass
Band4	1.4	1732.5	16QAM	1	LOW	21.02	24.78	3.76	13	-0.9	20.12	30	Pass
Band4	1.4	1732.5	16QAM	1	MID	21.35	24.67	3.32	13	-0.9	20.45	30	Pass
Band4	1.4	1732.5	16QAM	1	HIGH	20.83	24.37	3.54	13	-0.9	19.93	30	Pass
Band4	1.4	1754.3	QPSK	6	LOW	16.74	22.15	5.41	13	-0.9	15.84	30	Pass
Band4	1.4	1754.3	QPSK	3	LOW	18.14	22.29	4.15	13	-0.9	17.24	30	Pass
Band4	1.4	1754.3	QPSK	3	MID	18.11	22.28	4.17	13	-0.9	17.21	30	Pass
Band4	1.4	1754.3	QPSK	3	HIGH	18.45	22.33	3.88	13	-0.9	17.55	30	Pass
Band4	1.4	1754.3	QPSK	1	LOW	17.76	21.72	3.96	13	-0.9	16.86	30	Pass
Band4	1.4	1754.3	QPSK	1	MID	17.68	21.59	3.91	13	-0.9	16.78	30	Pass
Band4	1.4	1754.3	QPSK	1	HIGH	18.26	21.97	3.71	13	-0.9	17.36	30	Pass
Band4	1.4	1754.3	16QAM	6	LOW	15.92	22.2	6.28	13	-0.9	15.02	30	Pass
Band4	1.4	1754.3	16QAM	3	LOW	17.62	22.03	4.41	13	-0.9	16.72	30	Pass
Band4	1.4	1754.3	16QAM	3	MID	17.6	22.02	4.42	13	-0.9	16.7	30	Pass
Band4	1.4	1754.3	16QAM	3	HIGH	17.93	22.19	4.26	13	-0.9	17.03	30	Pass
Band4	1.4	1754.3	16QAM	1	LOW	17.11	21.51	4.4	13	-0.9	16.21	30	Pass

Band4	1.4	1754.3	16QAM	1	MID	17.14	21.43	4.29	13	-0.9	16.24	30	Pass
Band4	1.4	1754.3	16QAM	1	HIGH	17.56	21.7	4.14	13	-0.9	16.66	30	Pass
Band4	3	1711.5	QPSK	15	LOW	16.68	22.43	5.75	13	-0.9	15.78	30	Pass
Band4	3	1711.5	QPSK	8	LOW	17.84	22.3	4.46	13	-0.9	16.94	30	Pass
Band4	3	1711.5	QPSK	8	MID	17.9	22.35	4.45	13	-0.9	17	30	Pass
Band4	3	1711.5	QPSK	8	HIGH	18.03	22.59	4.56	13	-0.9	17.13	30	Pass
Band4	3	1711.5	QPSK	1	LOW	17.82	21.6	3.78	13	-0.9	16.92	30	Pass
Band4	3	1711.5	QPSK	1	MID	18.06	21.57	3.51	13	-0.9	17.16	30	Pass
Band4	3	1711.5	QPSK	1	HIGH	16.68	21.55	4.87	13	-0.9	15.78	30	Pass
Band4	3	1711.5	16QAM	15	LOW	16.16	22.28	6.12	13	-0.9	15.26	30	Pass
Band4	3	1711.5	16QAM	8	LOW	17.28	22.69	5.41	13	-0.9	16.38	30	Pass
Band4	3	1711.5	16QAM	8	MID	17.27	22.67	5.4	13	-0.9	16.37	30	Pass
Band4	3	1711.5	16QAM	8	HIGH	17.46	22.71	5.25	13	-0.9	16.56	30	Pass
Band4	3	1711.5	16QAM	1	LOW	17.48	21.92	4.44	13	-0.9	16.58	30	Pass
Band4	3	1711.5	16QAM	1	MID	17.73	21.87	4.14	13	-0.9	16.83	30	Pass
Band4	3	1711.5	16QAM	1	HIGH	16.38	21.78	5.4	13	-0.9	15.48	30	Pass
Band4	3	1732.5	QPSK	15	LOW	21.25	25.66	4.41	13	-0.9	20.35	30	Pass
Band4	3	1732.5	QPSK	8	LOW	22	25.51	3.51	13	-0.9	21.1	30	Pass
Band4	3	1732.5	QPSK	8	MID	21.98	25.5	3.52	13	-0.9	21.08	30	Pass
Band4	3	1732.5	QPSK	8	HIGH	22.13	25.33	3.2	13	-0.9	21.23	30	Pass
Band4	3	1732.5	QPSK	1	LOW	21.62	24.67	3.05	13	-0.9	20.72	30	Pass
Band4	3	1732.5	QPSK	1	MID	22.26	24.7	2.44	13	-0.9	21.36	30	Pass
Band4	3	1732.5	QPSK	1	HIGH	21.53	24.39	2.86	13	-0.9	20.63	30	Pass
Band4	3	1732.5	16QAM	15	LOW	20.45	25.66	5.21	13	-0.9	19.55	30	Pass
Band4	3	1732.5	16QAM	8	LOW	21.31	25.49	4.18	13	-0.9	20.41	30	Pass
Band4	3	1732.5	16QAM	8	MID	21.29	25.52	4.23	13	-0.9	20.39	30	Pass
Band4	3	1732.5	16QAM	8	HIGH	21.52	25.48	3.96	13	-0.9	20.62	30	Pass
Band4	3	1732.5	16QAM	1	LOW	21.08	25.8	4.72	13	-0.9	20.18	30	Pass
Band4	3	1732.5	16QAM	1	MID	21.74	25.41	3.67	13	-0.9	20.84	30	Pass
Band4	3	1732.5	16QAM	1	HIGH	20.87	25.26	4.39	13	-0.9	19.97	30	Pass
Band4	3	1753.5	QPSK	15	LOW	17.36	22.91	5.55	13	-0.9	16.46	30	Pass
Band4	3	1753.5	QPSK	8	LOW	18.25	22.76	4.51	13	-0.9	17.35	30	Pass
Band4	3	1753.5	QPSK	8	MID	18.25	22.72	4.47	13	-0.9	17.35	30	Pass
Band4	3	1753.5	QPSK	8	HIGH	18.44	22.79	4.35	13	-0.9	17.54	30	Pass
Band4	3	1753.5	QPSK	1	LOW	18.16	21.72	3.56	13	-0.9	17.26	30	Pass
Band4	3	1753.5	QPSK	1	MID	18.35	21.75	3.4	13	-0.9	17.45	30	Pass
Band4	3	1753.5	QPSK	1	HIGH	17.79	21.73	3.94	13	-0.9	16.89	30	Pass
Band4	3	1753.5	16QAM	15	LOW	16.57	22.95	6.38	13	-0.9	15.67	30	Pass
Band4	3	1753.5	16QAM	8	LOW	17.58	22.31	4.73	13	-0.9	16.68	30	Pass
Band4	3	1753.5	16QAM	8	MID	17.48	22.46	4.98	13	-0.9	16.58	30	Pass
Band4	3	1753.5	16QAM	8	HIGH	17.63	22.61	4.98	13	-0.9	16.73	30	Pass
Band4	3	1753.5	16QAM	1	LOW	17.48	21.52	4.04	13	-0.9	16.58	30	Pass
Band4	3	1753.5	16QAM	1	MID	17.7	21.53	3.83	13	-0.9	16.8	30	Pass
Band4	3	1753.5	16QAM	1	HIGH	17.11	22.34	5.23	13	-0.9	16.21	30	Pass
Band4	5	1712.5	QPSK	25	LOW	16.8	22.74	5.94	13	-0.9	15.9	30	Pass
Band4	5	1712.5	QPSK	12	LOW	17.94	22.49	4.55	13	-0.9	17.04	30	Pass



Band4	5	1712.5	QPSK	12	MID	17.88	22.41	4.53	13	-0.9	16.98	30	Pass
Band4	5	1712.5	QPSK	12	HIGH	17.98	22.72	4.74	13	-0.9	17.08	30	Pass
Band4	5	1712.5	QPSK	1	LOW	18.04	22.39	4.35	13	-0.9	17.14	30	Pass
Band4	5	1712.5	QPSK	1	MID	17.67	22.36	4.69	13	-0.9	16.77	30	Pass
Band4	5	1712.5	QPSK	1	HIGH	17.26	22.3	5.04	13	-0.9	16.36	30	Pass
Band4	5	1712.5	16QAM	25	LOW	16.31	23.21	6.9	13	-0.9	15.41	30	Pass
Band4	5	1712.5	16QAM	12	LOW	17.24	22.7	5.46	13	-0.9	16.34	30	Pass
Band4	5	1712.5	16QAM	12	MID	17.18	22.68	5.5	13	-0.9	16.28	30	Pass
Band4	5	1712.5	16QAM	12	HIGH	17.27	22.76	5.49	13	-0.9	16.37	30	Pass
Band4	5	1712.5	16QAM	1	LOW	17.44	22.41	4.97	13	-0.9	16.54	30	Pass
Band4	5	1712.5	16QAM	1	MID	17.16	21.83	4.67	13	-0.9	16.26	30	Pass
Band4	5	1712.5	16QAM	1	HIGH	16.74	21.86	5.12	13	-0.9	15.84	30	Pass
Band4	5	1732.5	QPSK	25	LOW	21.32	26.12	4.8	13	-0.9	20.42	30	Pass
Band4	5	1732.5	QPSK	12	LOW	21.9	25.54	3.64	13	-0.9	21	30	Pass
Band4	5	1732.5	QPSK	12	MID	21.85	25.56	3.71	13	-0.9	20.95	30	Pass
Band4	5	1732.5	QPSK	12	HIGH	22.25	25.35	3.1	13	-0.9	21.35	30	Pass
Band4	5	1732.5	QPSK	1	LOW	21.47	25.26	3.79	13	-0.9	20.57	30	Pass
Band4	5	1732.5	QPSK	1	MID	22.03	24.67	2.64	13	-0.9	21.13	30	Pass
Band4	5	1732.5	QPSK	1	HIGH	21.71	24.82	3.11	13	-0.9	20.81	30	Pass
Band4	5	1732.5	16QAM	25	LOW	20.52	26.19	5.67	13	-0.9	19.62	30	Pass
Band4	5	1732.5	16QAM	12	LOW	21.01	25.75	4.74	13	-0.9	20.11	30	Pass
Band4	5	1732.5	16QAM	12	MID	21	25.58	4.58	13	-0.9	20.1	30	Pass
Band4	5	1732.5	16QAM	12	HIGH	21.53	25.46	3.93	13	-0.9	20.63	30	Pass
Band4	5	1732.5	16QAM	1	LOW	20.77	25.2	4.43	13	-0.9	19.87	30	Pass
Band4	5	1732.5	16QAM	1	MID	21.5	24.74	3.24	13	-0.9	20.6	30	Pass
Band4	5	1732.5	16QAM	1	HIGH	21.2	24.84	3.64	13	-0.9	20.3	30	Pass
Band4	5	1752.5	QPSK	25	LOW	17.73	22.79	5.06	13	-0.9	16.83	30	Pass
Band4	5	1752.5	QPSK	12	LOW	18.69	22.64	3.95	13	-0.9	17.79	30	Pass
Band4	5	1752.5	QPSK	12	MID	18.7	22.76	4.06	13	-0.9	17.8	30	Pass
Band4	5	1752.5	QPSK	12	HIGH	19.04	22.79	3.75	13	-0.9	18.14	30	Pass
Band4	5	1752.5	QPSK	1	LOW	19.04	22.34	3.3	13	-0.9	18.14	30	Pass
Band4	5	1752.5	QPSK	1	MID	18.28	21.99	3.71	13	-0.9	17.38	30	Pass
Band4	5	1752.5	QPSK	1	HIGH	18.62	22.4	3.78	13	-0.9	17.72	30	Pass
Band4	5	1752.5	16QAM	25	LOW	16.85	23	6.15	13	-0.9	15.95	30	Pass
Band4	5	1752.5	16QAM	12	LOW	17.88	22.95	5.07	13	-0.9	16.98	30	Pass
Band4	5	1752.5	16QAM	12	MID	17.89	22.73	4.84	13	-0.9	16.99	30	Pass
Band4	5	1752.5	16QAM	12	HIGH	18.23	23	4.77	13	-0.9	17.33	30	Pass
Band4	5	1752.5	16QAM	1	LOW	18.49	22.44	3.95	13	-0.9	17.59	30	Pass
Band4	5	1752.5	16QAM	1	MID	17.6	22.08	4.48	13	-0.9	16.7	30	Pass
Band4	5	1752.5	16QAM	1	HIGH	17.93	22.98	5.05	13	-0.9	17.03	30	Pass
Band4	10	1715	QPSK	50	LOW	16.89	23.55	6.66	13	-0.9	15.99	30	Pass
Band4	10	1715	QPSK	25	LOW	17.94	22.67	4.73	13	-0.9	17.04	30	Pass
Band4	10	1715	QPSK	25	MID	17.9	22.65	4.75	13	-0.9	17	30	Pass
Band4	10	1715	QPSK	25	HIGH	18.55	23.51	4.96	13	-0.9	17.65	30	Pass
Band4	10	1715	QPSK	1	LOW	18.12	22.89	4.77	13	-0.9	17.22	30	Pass
Band4	10	1715	QPSK	1	MID	17.88	21.91	4.03	13	-0.9	16.98	30	Pass

Band4	10	1715	QPSK	1	HIGH	17.96	22.55	4.59	13	-0.9	17.06	30	Pass
Band4	10	1715	16QAM	12	LOW	17.34	22.45	5.11	13	-0.9	16.44	30	Pass
Band4	10	1715	16QAM	6	LOW	17.38	22.28	4.9	13	-0.9	16.48	30	Pass
Band4	10	1715	16QAM	6	MID	17.3	22.31	5.01	13	-0.9	16.4	30	Pass
Band4	10	1715	16QAM	6	HIGH	17.26	23.31	6.05	13	-0.9	16.36	30	Pass
Band4	10	1715	16QAM	1	LOW	17.77	22.54	4.77	13	-0.9	16.87	30	Pass
Band4	10	1715	16QAM	1	MID	17.58	22.29	4.71	13	-0.9	16.68	30	Pass
Band4	10	1715	16QAM	1	HIGH	17.57	23.15	5.58	13	-0.9	16.67	30	Pass
Band4	10	1732.5	QPSK	50	LOW	21.3	26.13	4.83	13	-0.9	20.4	30	Pass
Band4	10	1732.5	QPSK	25	LOW	21.75	25.7	3.95	13	-0.9	20.85	30	Pass
Band4	10	1732.5	QPSK	25	MID	21.73	25.64	3.91	13	-0.9	20.83	30	Pass
Band4	10	1732.5	QPSK	25	HIGH	22.21	25.13	2.92	13	-0.9	21.31	30	Pass
Band4	10	1732.5	QPSK	1	LOW	20.69	25.64	4.95	13	-0.9	19.79	30	Pass
Band4	10	1732.5	QPSK	1	MID	22.22	24.8	2.58	13	-0.9	21.32	30	Pass
Band4	10	1732.5	QPSK	1	HIGH	21.88	24.98	3.1	13	-0.9	20.98	30	Pass
Band4	10	1732.5	16QAM	12	LOW	20.31	25.79	5.48	13	-0.9	19.41	30	Pass
Band4	10	1732.5	16QAM	6	LOW	19.53	25.15	5.62	13	-0.9	18.63	30	Pass
Band4	10	1732.5	16QAM	6	MID	19.54	25.15	5.61	13	-0.9	18.64	30	Pass
Band4	10	1732.5	16QAM	6	HIGH	21.26	24.86	3.6	13	-0.9	20.36	30	Pass
Band4	10	1732.5	16QAM	1	LOW	20.06	25.67	5.61	13	-0.9	19.16	30	Pass
Band4	10	1732.5	16QAM	1	MID	21.58	25.02	3.44	13	-0.9	20.68	30	Pass
Band4	10	1732.5	16QAM	1	HIGH	21.28	25.14	3.86	13	-0.9	20.38	30	Pass
Band4	10	1750	QPSK	50	LOW	18.65	23.71	5.06	13	-0.9	17.75	30	Pass
Band4	10	1750	QPSK	25	LOW	20.01	23.49	3.48	13	-0.9	19.11	30	Pass
Band4	10	1750	QPSK	25	MID	20.01	23.51	3.5	13	-0.9	19.11	30	Pass
Band4	10	1750	QPSK	25	HIGH	18.98	22.96	3.98	13	-0.9	18.08	30	Pass
Band4	10	1750	QPSK	1	LOW	20.46	23.18	2.72	13	-0.9	19.56	30	Pass
Band4	10	1750	QPSK	1	MID	18.99	22.25	3.26	13	-0.9	18.09	30	Pass
Band4	10	1750	QPSK	1	HIGH	18.25	22.76	4.51	13	-0.9	17.35	30	Pass
Band4	10	1750	16QAM	12	LOW	19.69	22.95	3.26	13	-0.9	18.79	30	Pass
Band4	10	1750	16QAM	6	LOW	19.52	22.87	3.35	13	-0.9	18.62	30	Pass
Band4	10	1750	16QAM	6	MID	19.48	22.89	3.41	13	-0.9	18.58	30	Pass
Band4	10	1750	16QAM	6	HIGH	16.55	22.19	5.64	13	-0.9	15.65	30	Pass
Band4	10	1750	16QAM	1	LOW	19.81	23.29	3.48	13	-0.9	18.91	30	Pass
Band4	10	1750	16QAM	1	MID	18.39	22.06	3.67	13	-0.9	17.49	30	Pass
Band4	10	1750	16QAM	1	HIGH	17.62	22.59	4.97	13	-0.9	16.72	30	Pass
Band4	15	1717.5	QPSK	75	LOW	17.44	24.21	6.77	13	-0.9	16.54	30	Pass
Band4	15	1717.5	QPSK	38	LOW	17.77	24.37	6.6	13	-0.9	16.87	30	Pass
Band4	15	1717.5	QPSK	38	MID	17.86	24.47	6.61	13	-0.9	16.96	30	Pass
Band4	15	1717.5	QPSK	38	HIGH	17.85	24.39	6.54	13	-0.9	16.95	30	Pass
Band4	15	1717.5	QPSK	1	LOW	18.26	21.8	3.54	13	-0.9	17.36	30	Pass
Band4	15	1717.5	QPSK	1	MID	18.43	22.49	4.06	13	-0.9	17.53	30	Pass
Band4	15	1717.5	QPSK	1	HIGH	19.55	23.88	4.33	13	-0.9	18.65	30	Pass
Band4	15	1717.5	16QAM	16	LOW	17.47	22.6	5.13	13	-0.9	16.57	30	Pass
Band4	15	1717.5	16QAM	8	LOW	17.7	22.47	4.77	13	-0.9	16.8	30	Pass
Band4	15	1717.5	16QAM	8	MID	17.7	22.5	4.8	13	-0.9	16.8	30	Pass

Band4	15	1717.5	16QAM	8	HIGH	18.92	24.66	5.74	13	-0.9	18.02	30	Pass
Band4	15	1717.5	16QAM	1	LOW	17.85	22.09	4.24	13	-0.9	16.95	30	Pass
Band4	15	1717.5	16QAM	1	MID	18.15	22.97	4.82	13	-0.9	17.25	30	Pass
Band4	15	1717.5	16QAM	1	HIGH	19.25	24.4	5.15	13	-0.9	18.35	30	Pass
Band4	15	1732.5	QPSK	75	LOW	21.09	25.8	4.71	13	-0.9	20.19	30	Pass
Band4	15	1732.5	QPSK	38	LOW	21.06	25.75	4.69	13	-0.9	20.16	30	Pass
Band4	15	1732.5	QPSK	38	MID	21.08	25.84	4.76	13	-0.9	20.18	30	Pass
Band4	15	1732.5	QPSK	38	HIGH	21.07	26	4.93	13	-0.9	20.17	30	Pass
Band4	15	1732.5	QPSK	1	LOW	19.6	24.69	5.09	13	-0.9	18.7	30	Pass
Band4	15	1732.5	QPSK	1	MID	22.2	24.8	2.6	13	-0.9	21.3	30	Pass
Band4	15	1732.5	QPSK	1	HIGH	21.66	24.3	2.64	13	-0.9	20.76	30	Pass
Band4	15	1732.5	16QAM	16	LOW	19.25	25.34	6.09	13	-0.9	18.35	30	Pass
Band4	15	1732.5	16QAM	8	LOW	18.69	24.78	6.09	13	-0.9	17.79	30	Pass
Band4	15	1732.5	16QAM	8	MID	18.69	24.76	6.07	13	-0.9	17.79	30	Pass
Band4	15	1732.5	16QAM	8	HIGH	21.2	24.29	3.09	13	-0.9	20.3	30	Pass
Band4	15	1732.5	16QAM	1	LOW	18.94	24.22	5.28	13	-0.9	18.04	30	Pass
Band4	15	1732.5	16QAM	1	MID	21.55	25.01	3.46	13	-0.9	20.65	30	Pass
Band4	15	1732.5	16QAM	1	HIGH	21.24	24.41	3.17	13	-0.9	20.34	30	Pass
Band4	15	1747.5	QPSK	75	LOW	19.55	24.37	4.82	13	-0.9	18.65	30	Pass
Band4	15	1747.5	QPSK	38	LOW	19.54	24.31	4.77	13	-0.9	18.64	30	Pass
Band4	15	1747.5	QPSK	38	MID	19.47	24.31	4.84	13	-0.9	18.57	30	Pass
Band4	15	1747.5	QPSK	38	HIGH	19.5	24.31	4.81	13	-0.9	18.6	30	Pass
Band4	15	1747.5	QPSK	1	LOW	21.74	23.62	1.88	13	-0.9	20.84	30	Pass
Band4	15	1747.5	QPSK	1	MID	19.73	22.5	2.77	13	-0.9	18.83	30	Pass
Band4	15	1747.5	QPSK	1	HIGH	18.39	22.51	4.12	13	-0.9	17.49	30	Pass
Band4	15	1747.5	16QAM	16	LOW	20.76	23.64	2.88	13	-0.9	19.86	30	Pass
Band4	15	1747.5	16QAM	8	LOW	20.86	23.64	2.78	13	-0.9	19.96	30	Pass
Band4	15	1747.5	16QAM	8	MID	20.88	23.67	2.79	13	-0.9	19.98	30	Pass
Band4	15	1747.5	16QAM	8	HIGH	16.51	22.24	5.73	13	-0.9	15.61	30	Pass
Band4	15	1747.5	16QAM	1	LOW	21.31	23.87	2.56	13	-0.9	20.41	30	Pass
Band4	15	1747.5	16QAM	1	MID	19.28	22.73	3.45	13	-0.9	18.38	30	Pass
Band4	15	1747.5	16QAM	1	HIGH	18	22.55	4.55	13	-0.9	17.1	30	Pass
Band4	20	1720	QPSK	100	LOW	17.28	23.9	6.62	13	-0.9	16.38	30	Pass
Band4	20	1720	QPSK	50	LOW	17.79	23.27	5.48	13	-0.9	16.89	30	Pass
Band4	20	1720	QPSK	50	MID	17.84	23.26	5.42	13	-0.9	16.94	30	Pass
Band4	20	1720	QPSK	50	HIGH	19.42	25.43	6.01	13	-0.9	18.52	30	Pass
Band4	20	1720	QPSK	1	LOW	18.22	22	3.78	13	-0.9	17.32	30	Pass
Band4	20	1720	QPSK	1	MID	18.69	22.92	4.23	13	-0.9	17.79	30	Pass
Band4	20	1720	QPSK	1	HIGH	20.94	24.68	3.74	13	-0.9	20.04	30	Pass
Band4	20	1720	16QAM	18	LOW	17.22	22.64	5.42	13	-0.9	16.32	30	Pass
Band4	20	1720	16QAM	9	LOW	17.05	22.3	5.25	13	-0.9	16.15	30	Pass
Band4	20	1720	16QAM	9	MID	17.07	22.35	5.28	13	-0.9	16.17	30	Pass
Band4	20	1720	16QAM	9	HIGH	20.06	25.25	5.19	13	-0.9	19.16	30	Pass
Band4	20	1720	16QAM	1	LOW	17.8	22.87	5.07	13	-0.9	16.9	30	Pass
Band4	20	1720	16QAM	1	MID	18.26	23.09	4.83	13	-0.9	17.36	30	Pass
Band4	20	1720	16QAM	1	HIGH	20.58	24.79	4.21	13	-0.9	19.68	30	Pass

Band4	20	1732.5	QPSK	100	LOW	20.66	25.41	4.75	13	-0.9	19.76	30	Pass
Band4	20	1732.5	QPSK	50	LOW	20.85	25.56	4.71	13	-0.9	19.95	30	Pass
Band4	20	1732.5	QPSK	50	MID	20.93	25.56	4.63	13	-0.9	20.03	30	Pass
Band4	20	1732.5	QPSK	50	HIGH	21.95	24.67	2.72	13	-0.9	21.05	30	Pass
Band4	20	1732.5	QPSK	1	LOW	18.72	24.17	5.45	13	-0.9	17.82	30	Pass
Band4	20	1732.5	QPSK	1	MID	22.21	24.79	2.58	13	-0.9	21.31	30	Pass
Band4	20	1732.5	QPSK	1	HIGH	20.88	24.19	3.31	13	-0.9	19.98	30	Pass
Band4	20	1732.5	16QAM	18	LOW	18.23	25.04	6.81	13	-0.9	17.33	30	Pass
Band4	20	1732.5	16QAM	9	LOW	17.4	24.66	7.26	13	-0.9	16.5	30	Pass
Band4	20	1732.5	16QAM	9	MID	17.42	24.65	7.23	13	-0.9	16.52	30	Pass
Band4	20	1732.5	16QAM	9	HIGH	20.38	23.89	3.51	13	-0.9	19.48	30	Pass
Band4	20	1732.5	16QAM	1	LOW	18.16	23.74	5.58	13	-0.9	17.26	30	Pass
Band4	20	1732.5	16QAM	1	MID	21.61	24.87	3.26	13	-0.9	20.71	30	Pass
Band4	20	1732.5	16QAM	1	HIGH	20.46	23.94	3.48	13	-0.9	19.56	30	Pass
Band4	20	1745	QPSK	100	LOW	19.9	24.07	4.17	13	-0.9	19	30	Pass
Band4	20	1745	QPSK	50	LOW	21.75	24.77	3.02	13	-0.9	20.85	30	Pass
Band4	20	1745	QPSK	50	MID	21.75	24.72	2.97	13	-0.9	20.85	30	Pass
Band4	20	1745	QPSK	50	HIGH	20.04	23.18	3.14	13	-0.9	19.14	30	Pass
Band4	20	1745	QPSK	1	LOW	22.34	24.26	1.92	13	-0.9	21.44	30	Pass
Band4	20	1745	QPSK	1	MID	20.4	22.67	2.27	13	-0.9	19.5	30	Pass
Band4	20	1745	QPSK	1	HIGH	18.46	22.77	4.31	13	-0.9	17.56	30	Pass
Band4	20	1745	16QAM	18	LOW	21.68	24.41	2.73	13	-0.9	20.78	30	Pass
Band4	20	1745	16QAM	9	LOW	21.27	24.46	3.19	13	-0.9	20.37	30	Pass
Band4	20	1745	16QAM	9	MID	21.28	24.47	3.19	13	-0.9	20.38	30	Pass
Band4	20	1745	16QAM	9	HIGH	16.01	22.85	6.84	13	-0.9	15.11	30	Pass
Band4	20	1745	16QAM	1	LOW	22.01	24.53	2.52	13	-0.9	21.11	30	Pass
Band4	20	1745	16QAM	1	MID	20.03	23.34	3.31	13	-0.9	19.13	30	Pass
Band4	20	1745	16QAM	1	HIGH	18.09	23.41	5.32	13	-0.9	17.19	30	Pass