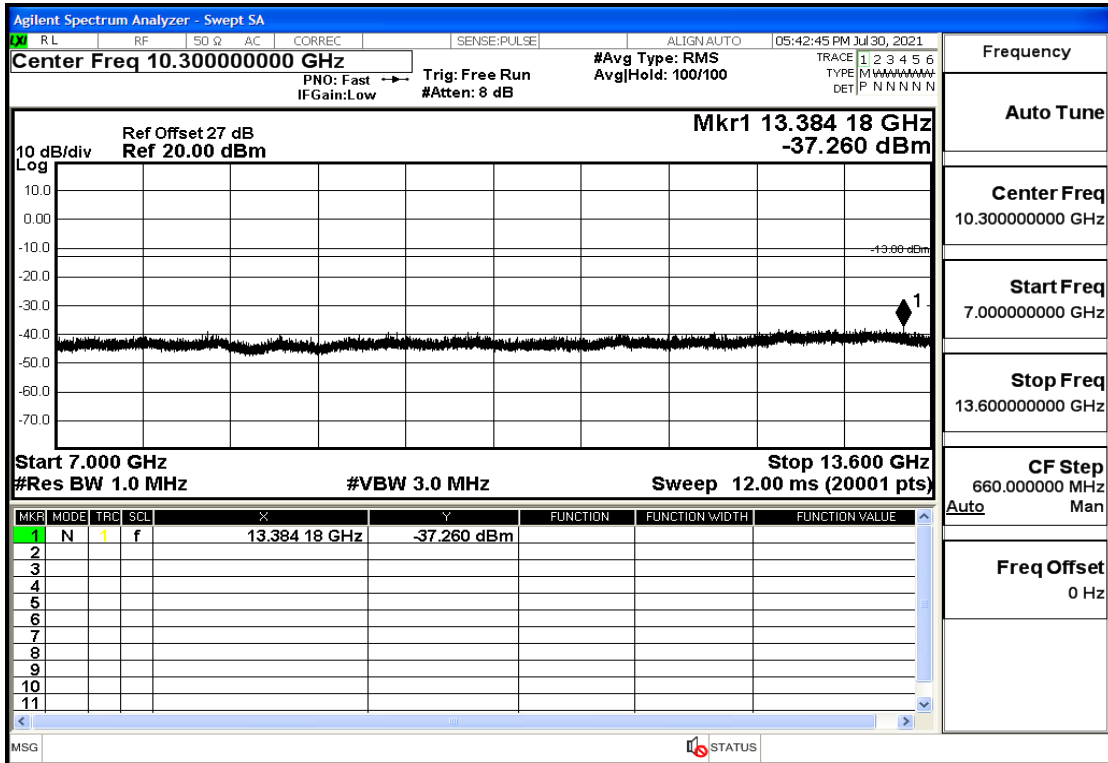
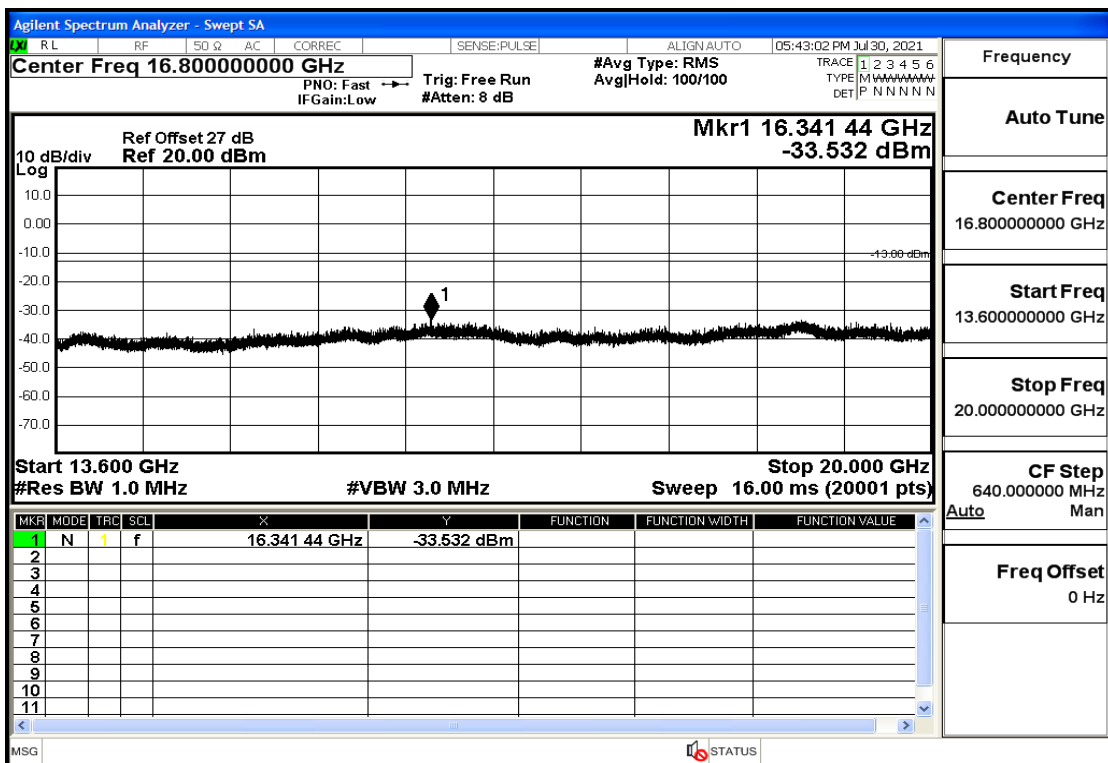


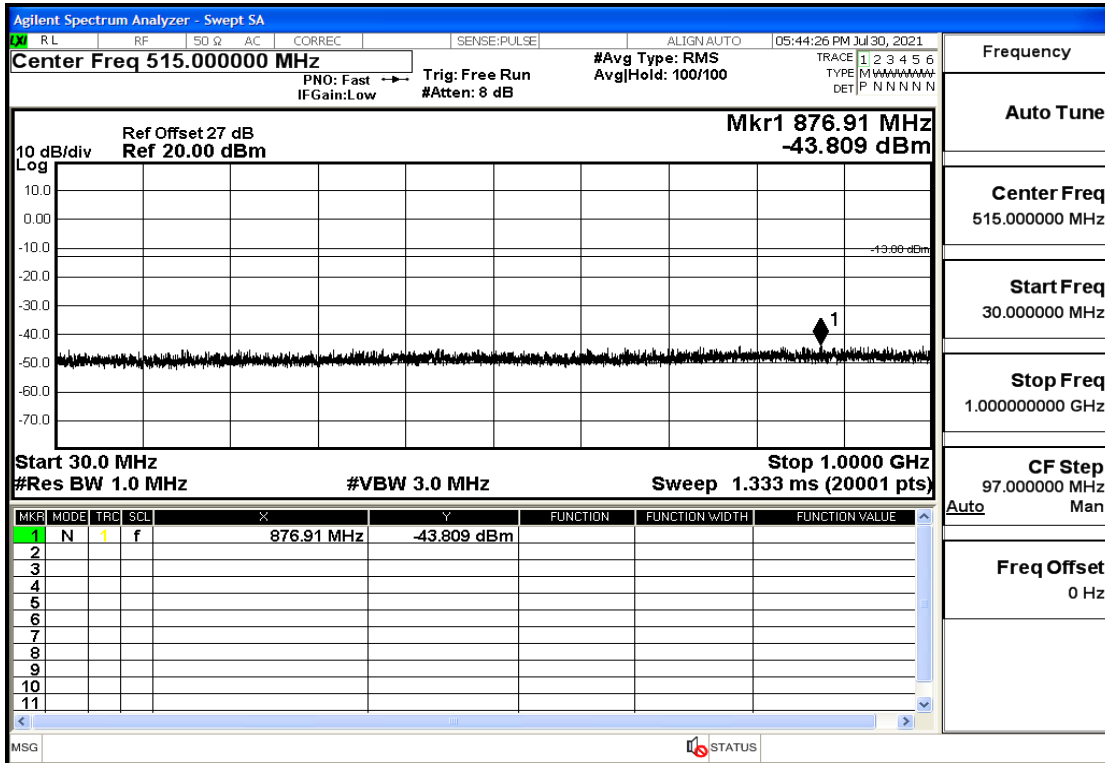
OB4-20-1732.5-QPSK-1#LOW@7GHz-13.6GHz@Pass



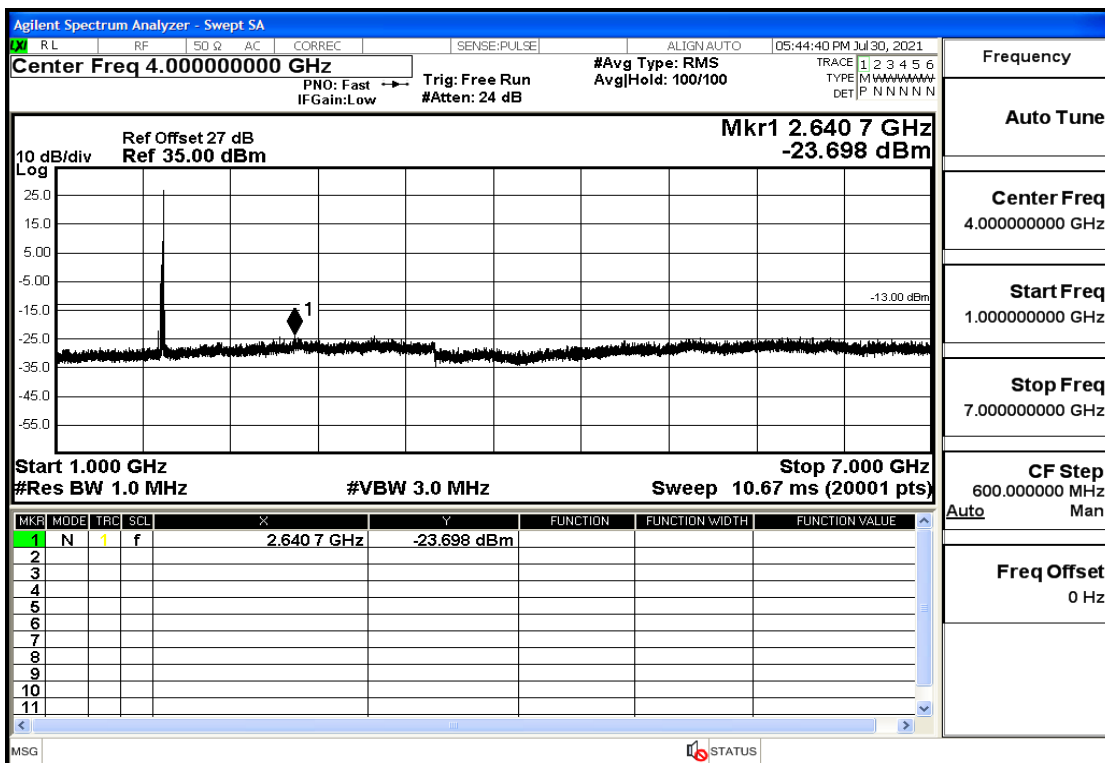
OB4-20-1732.5-QPSK-1#LOW@13.6GHz-20GHz@Pass



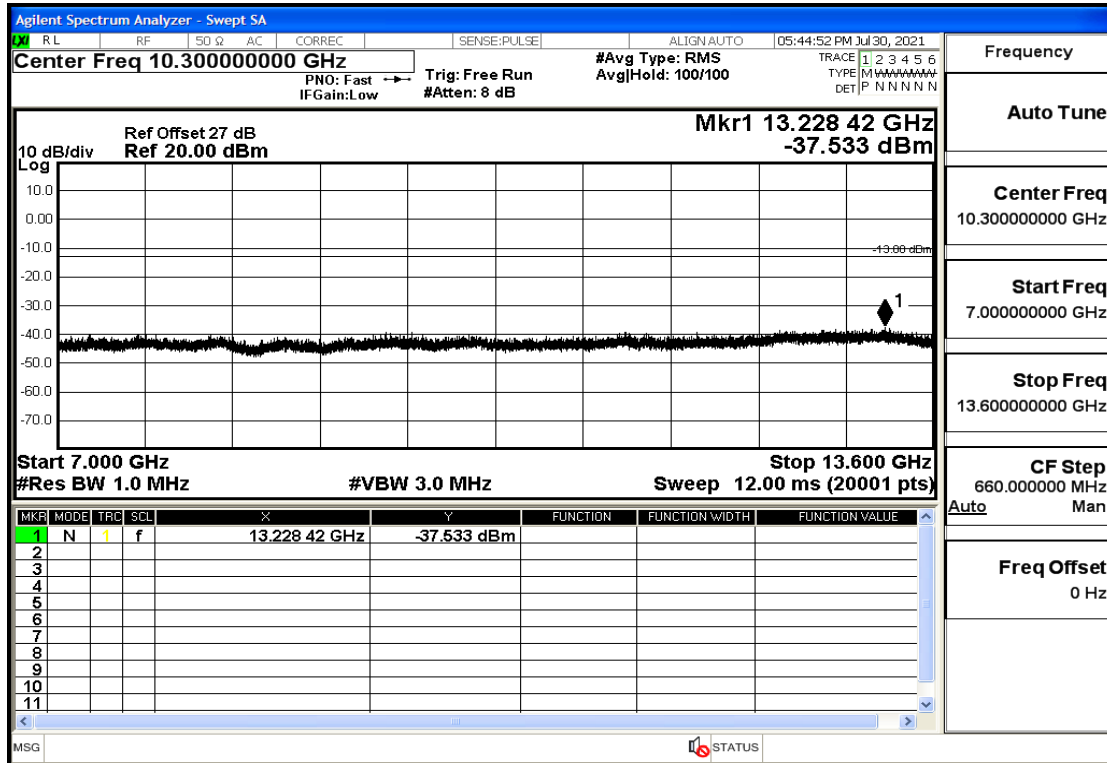
OB4-20-1732.5-QPSK-1#HIGH@30MHz-1GHz@Pass



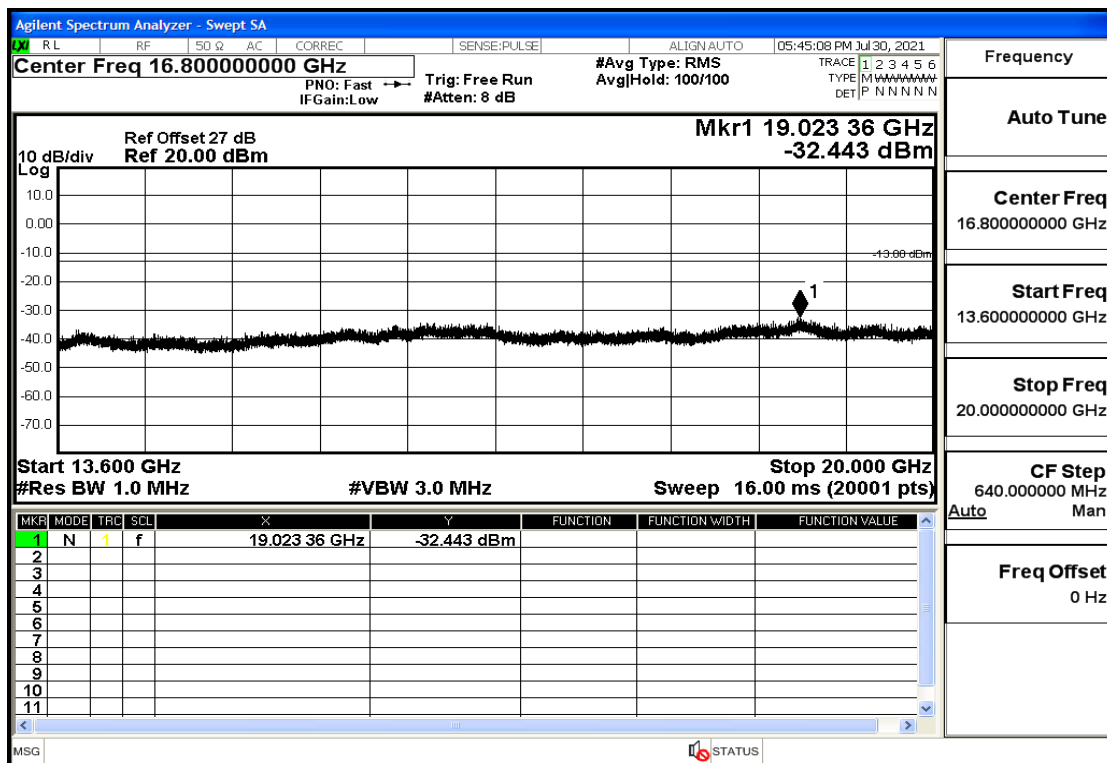
OB4-20-1732.5-QPSK-1#HIGH@1GHz-7GHz@Pass



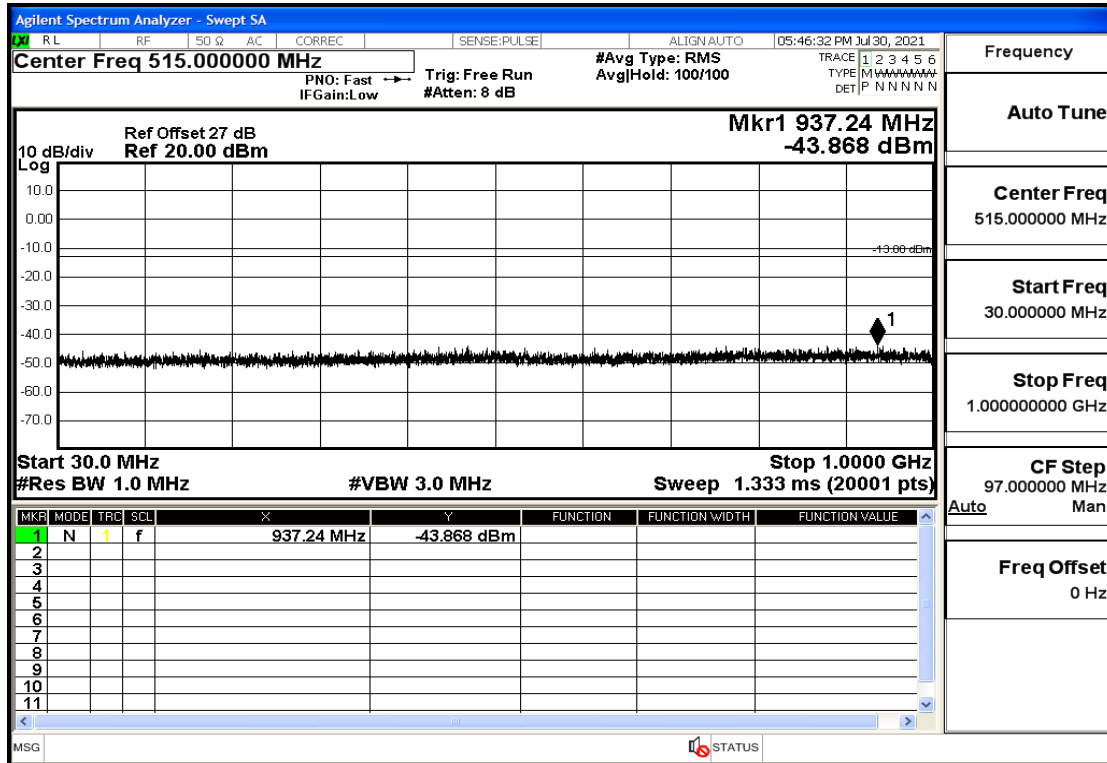
OB4-20-1732.5-QPSK-1#HIGH@7GHz-13.6GHz@Pass



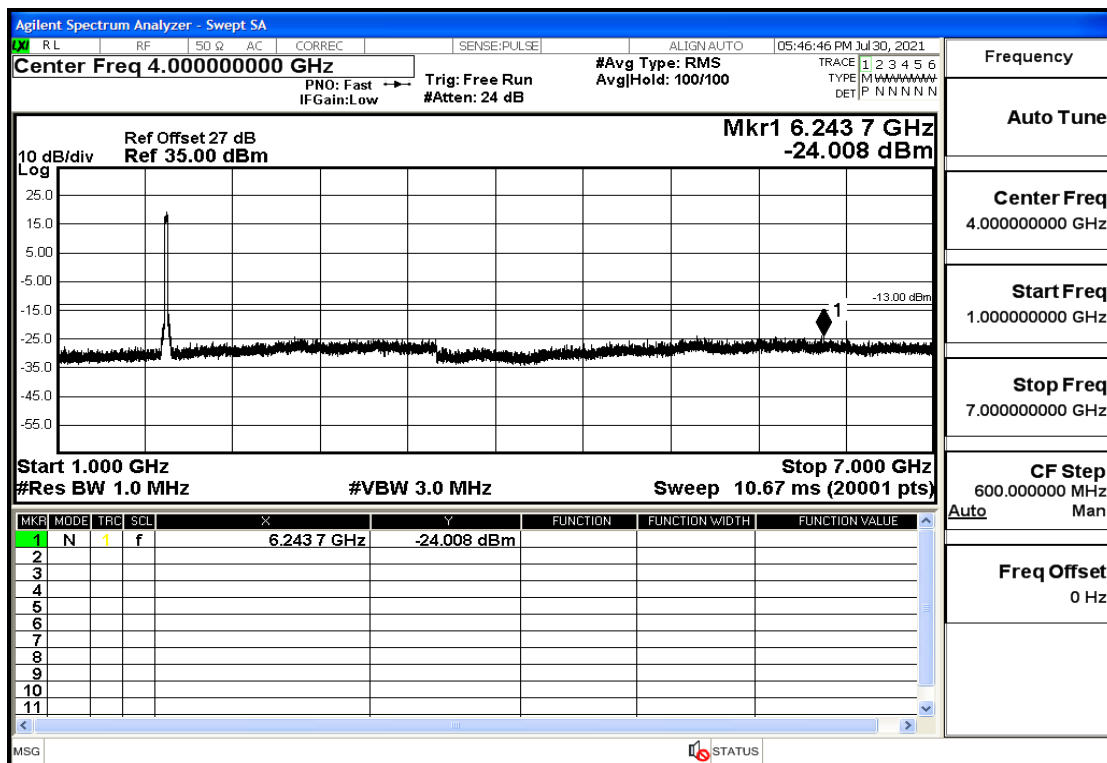
OB4-20-1732.5-QPSK-1#HIGH@13.6GHz-20GHz@Pass



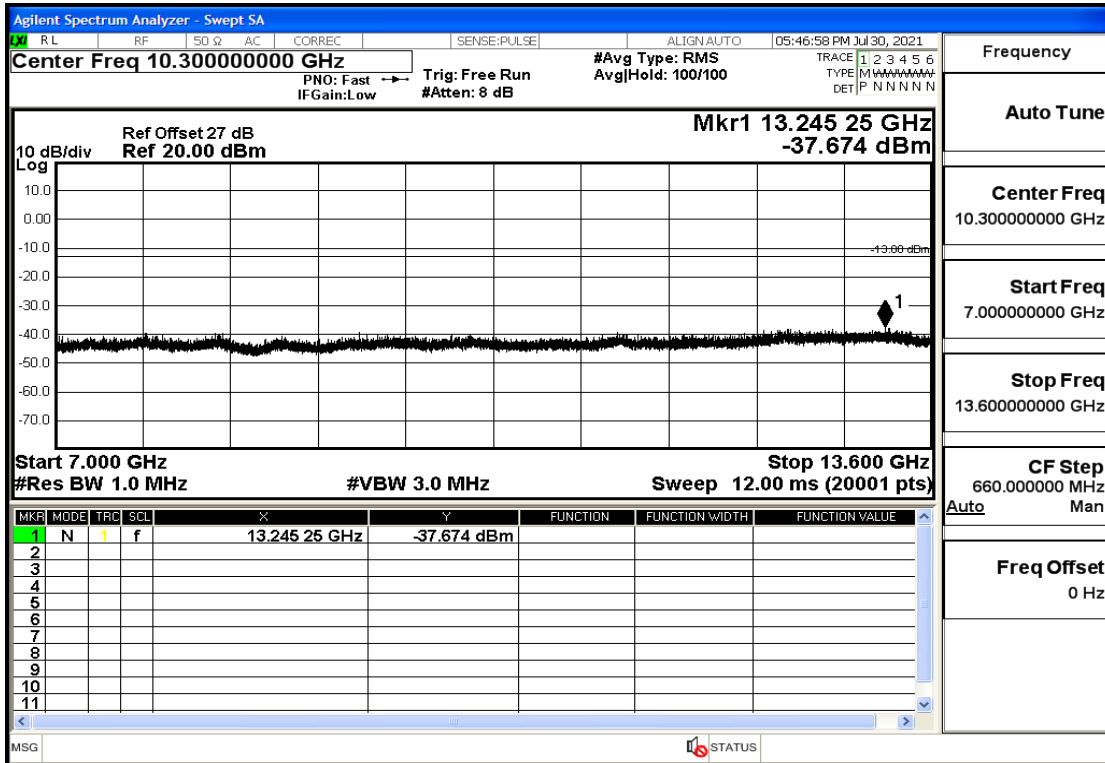
OB4-20-1745-QPSK-100#LOW@30mHz-1GHz@Pass



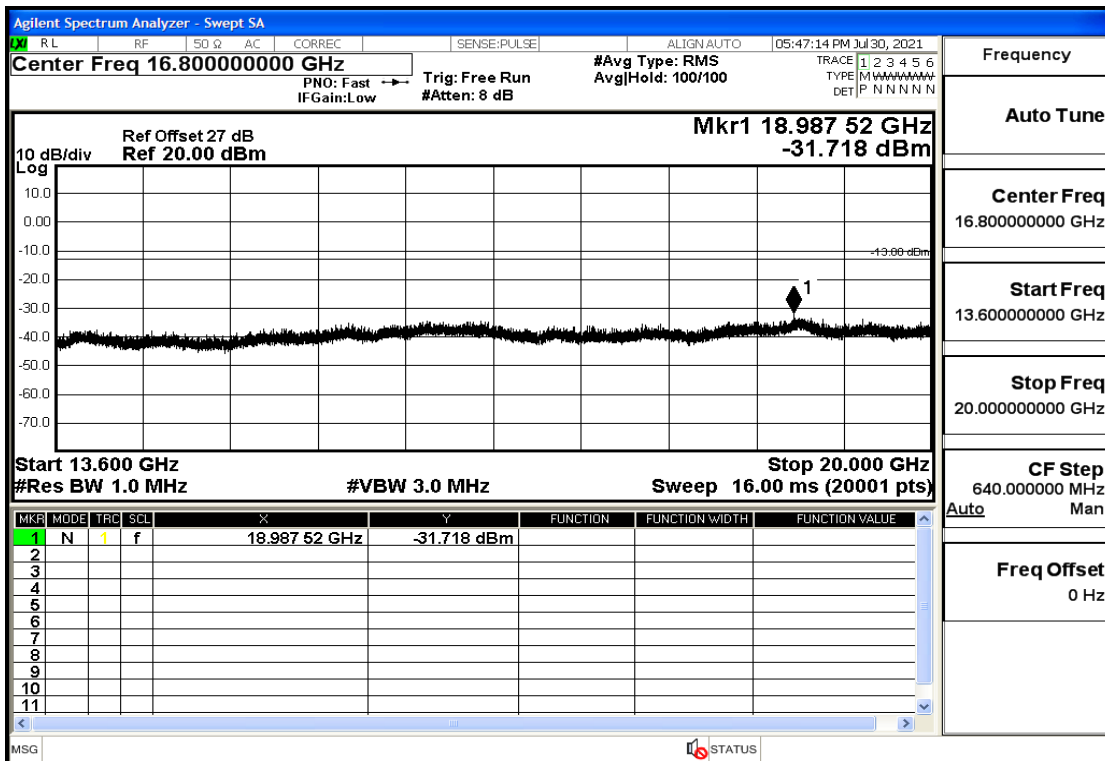
OB4-20-1745-QPSK-100#LOW@1GHz-7GHz@Pass



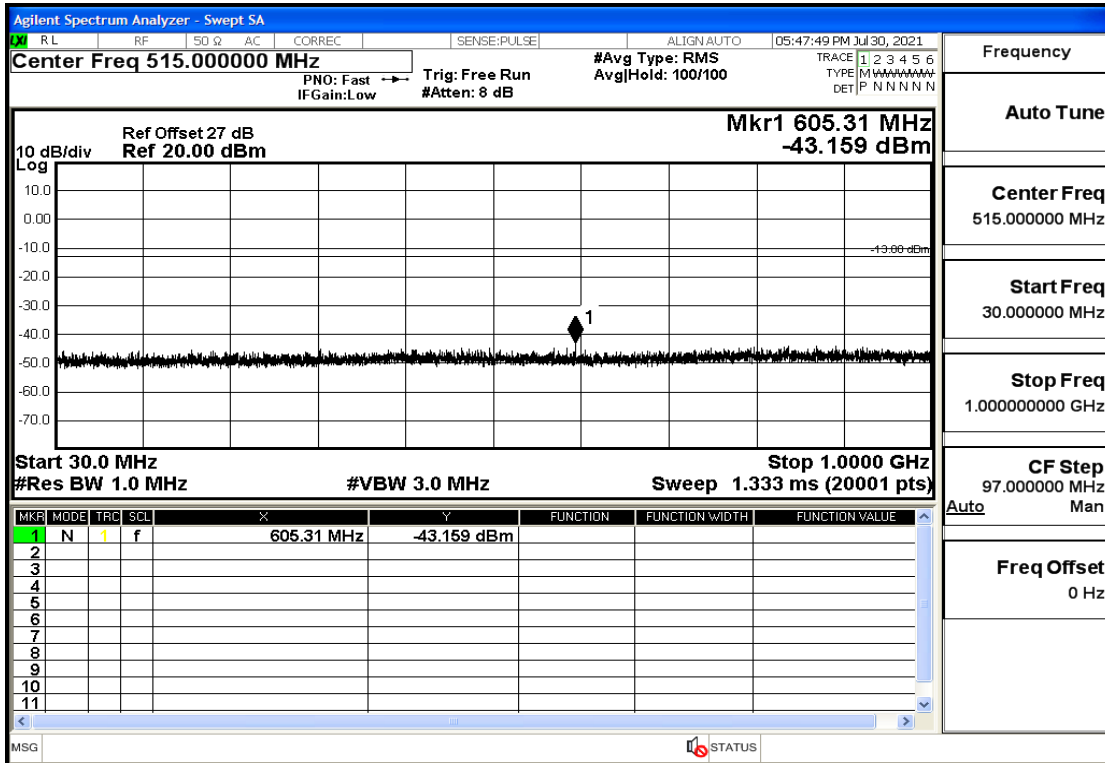
OB4-20-1745-QPSK-100#LOW@7GHz-13.6GHz@Pass



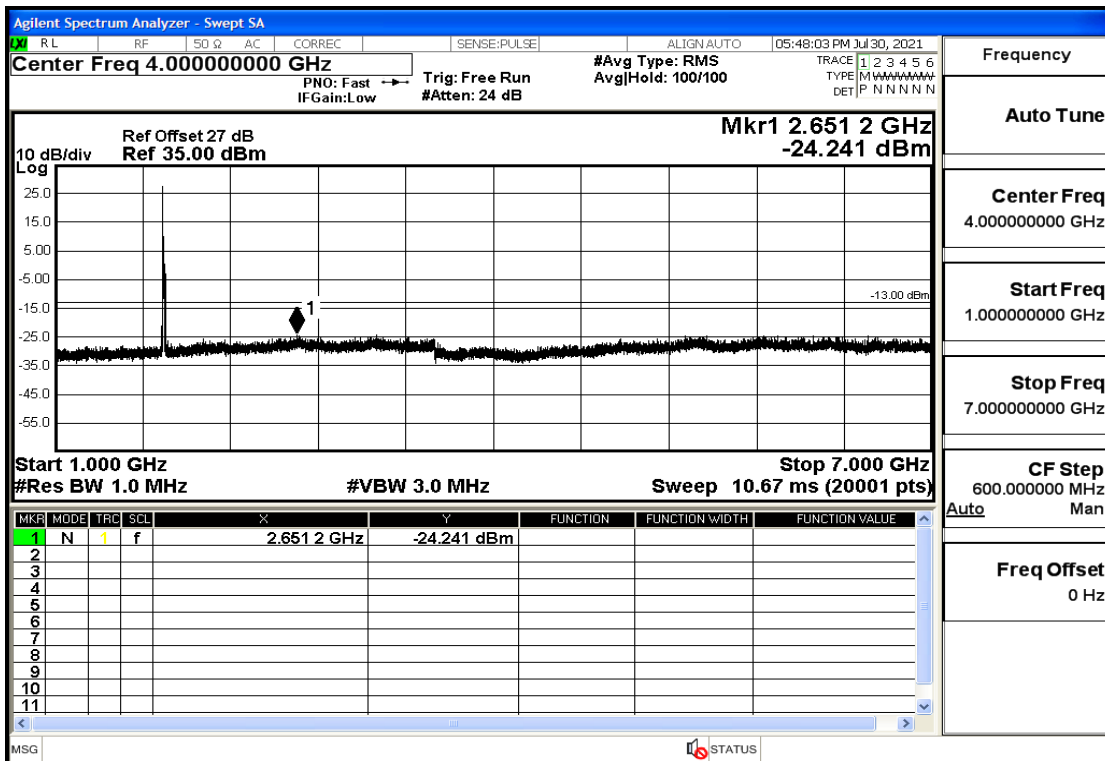
OB4-20-1745-QPSK-100#LOW@13.6GHz-20GHz@Pass



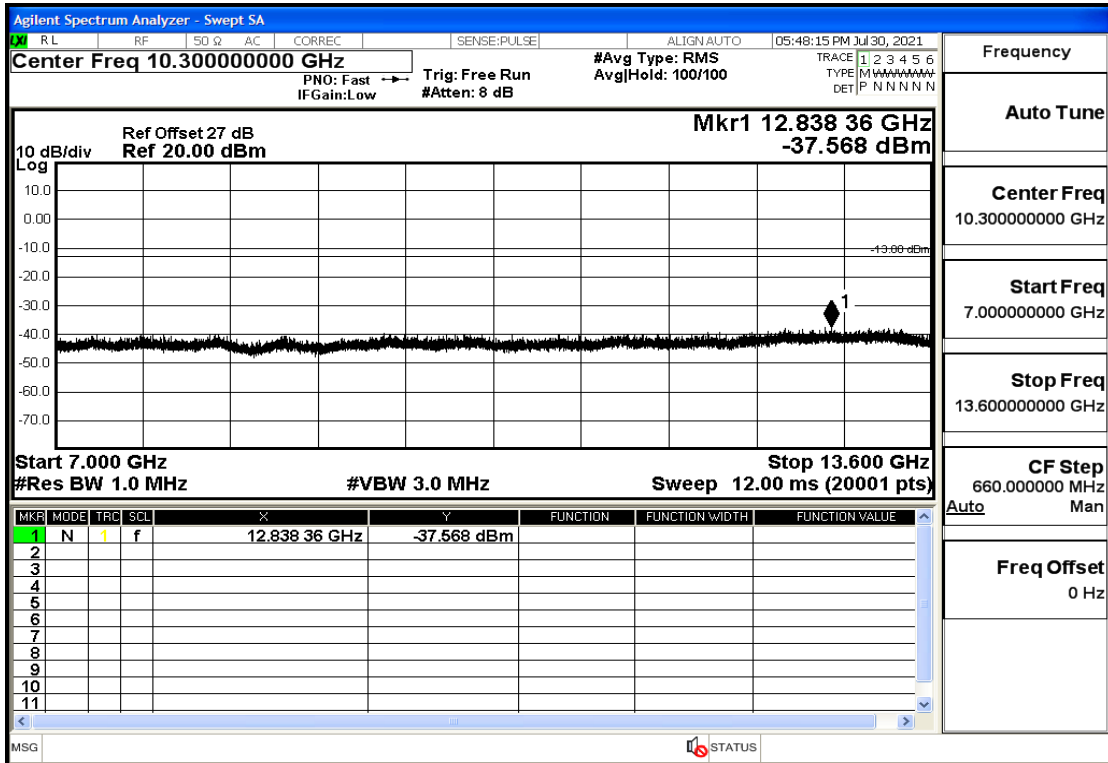
OB4-20-1745-QPSK-1#LOW@30mHz-1GHz@Pass



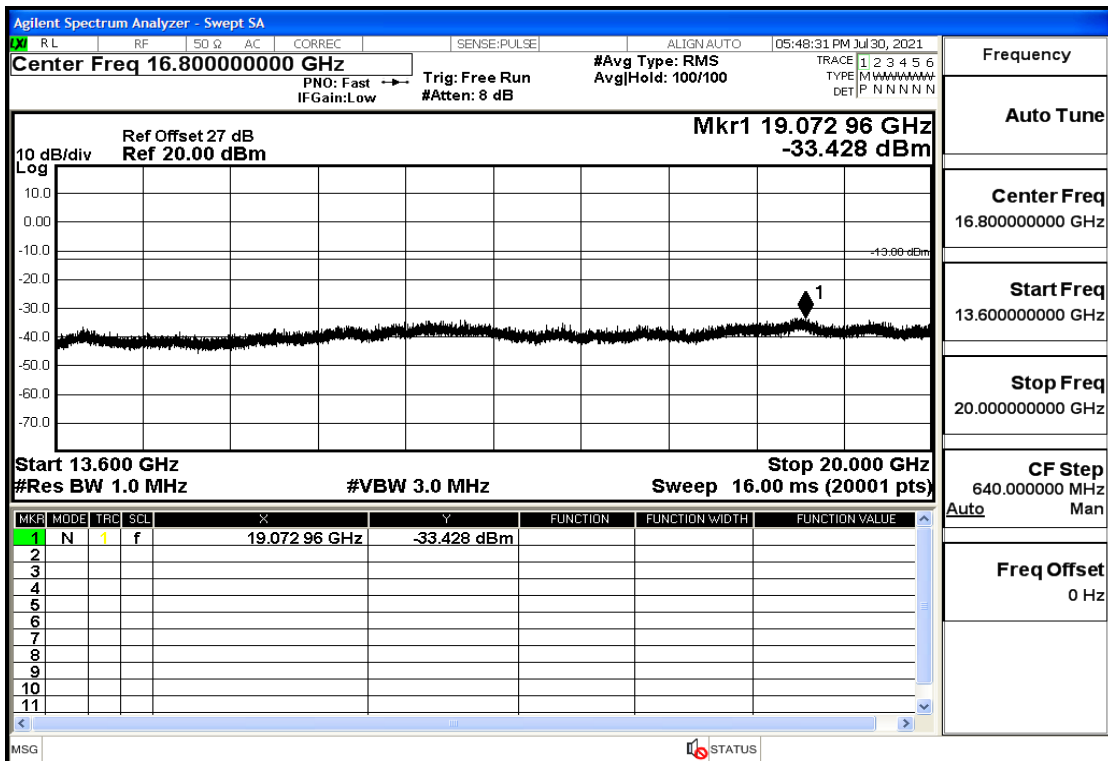
OB4-20-1745-QPSK-1#LOW@1GHz-7GHz@Pass



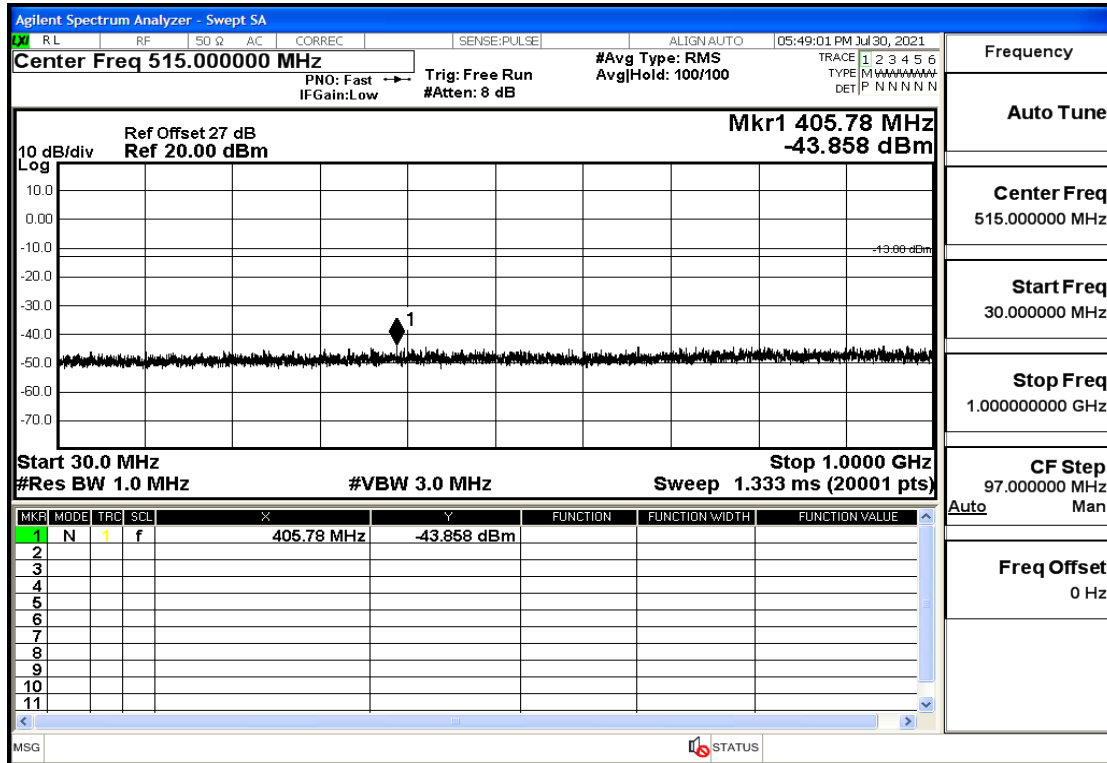
OB4-20-1745-QPSK-1#LOW@7GHz-13.6GHz@Pass



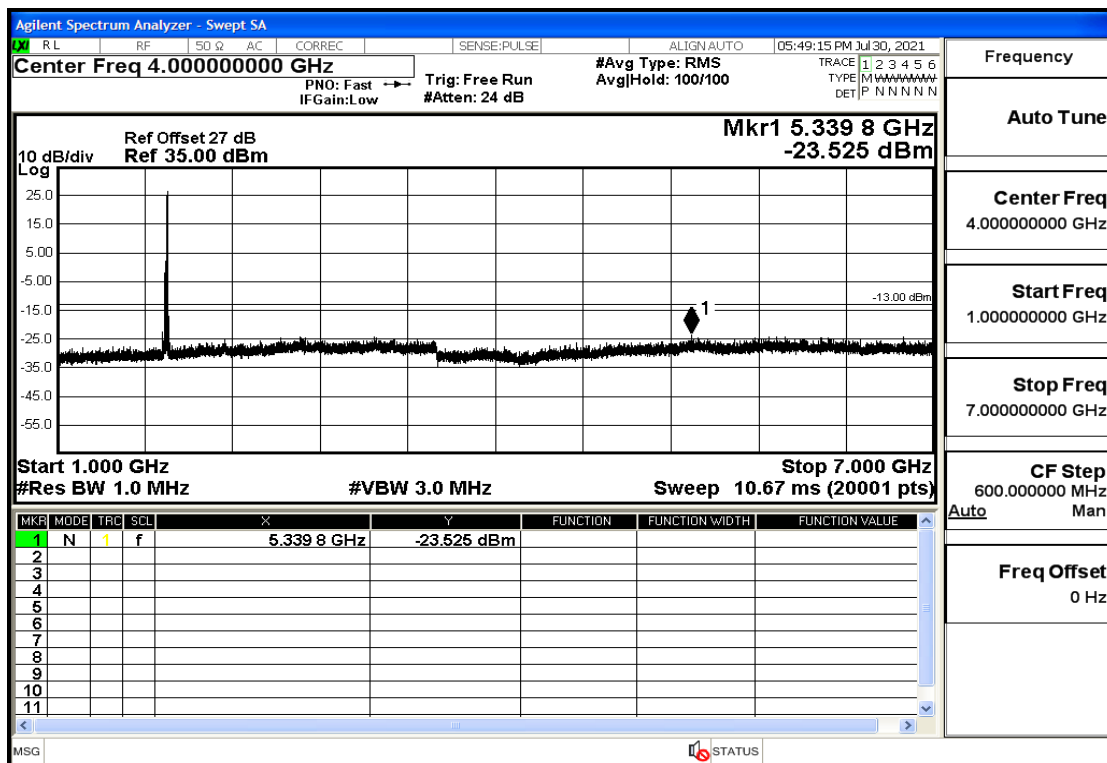
OB4-20-1745-QPSK-1#LOW@13.6GHz-20GHz@Pass



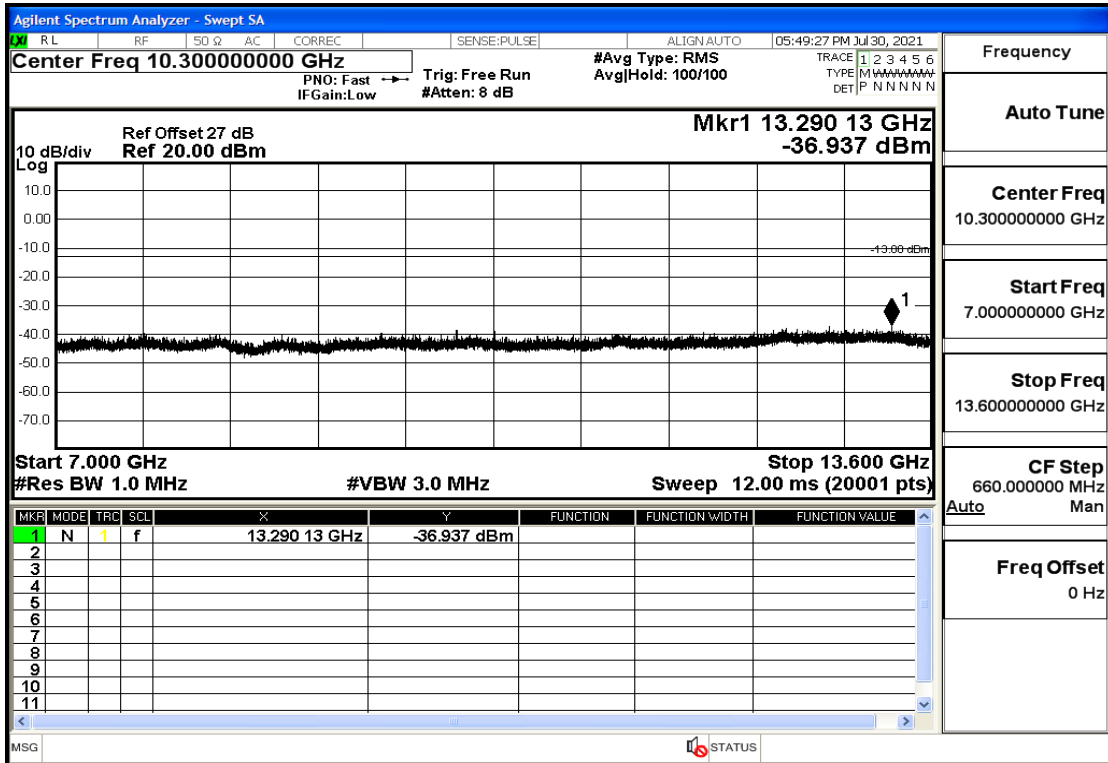
OB4-20-1745-QPSK-1#HIGH@30mHz-1GHz@Pass



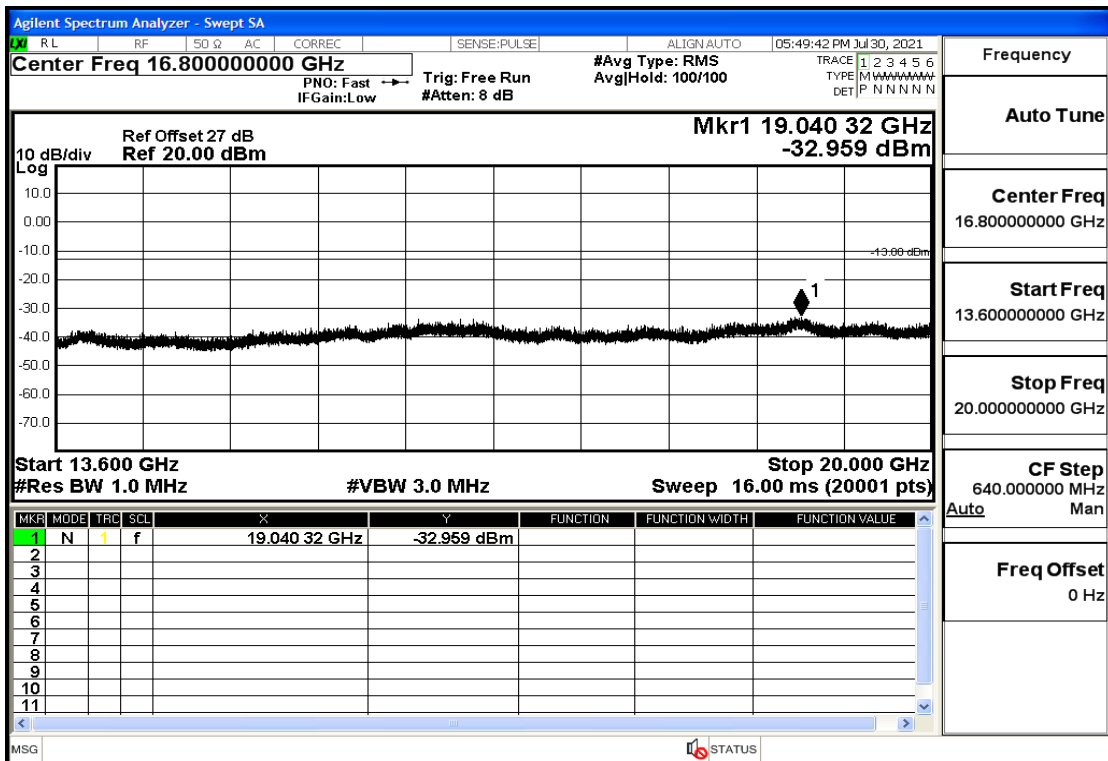
OB4-20-1745-QPSK-1#HIGH@1GHz-7GHz@Pass



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



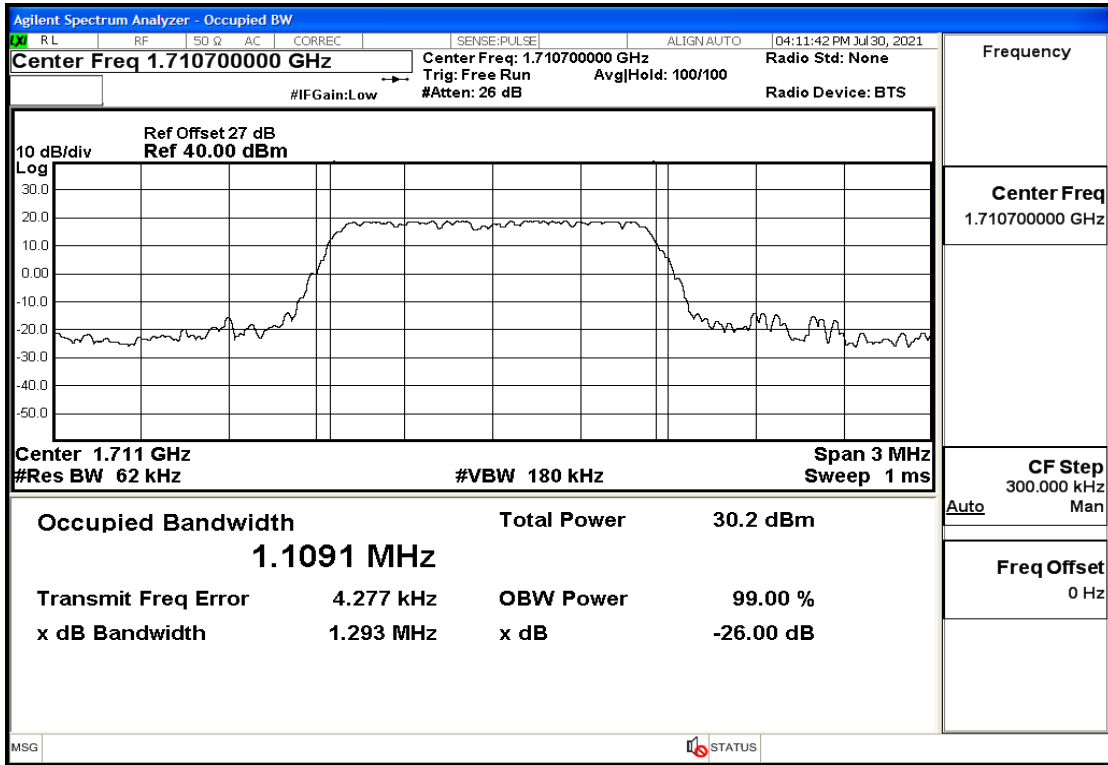
OB4-20-1745-QPSK-1#HIGH@13.6GHz-20GHz@Pass



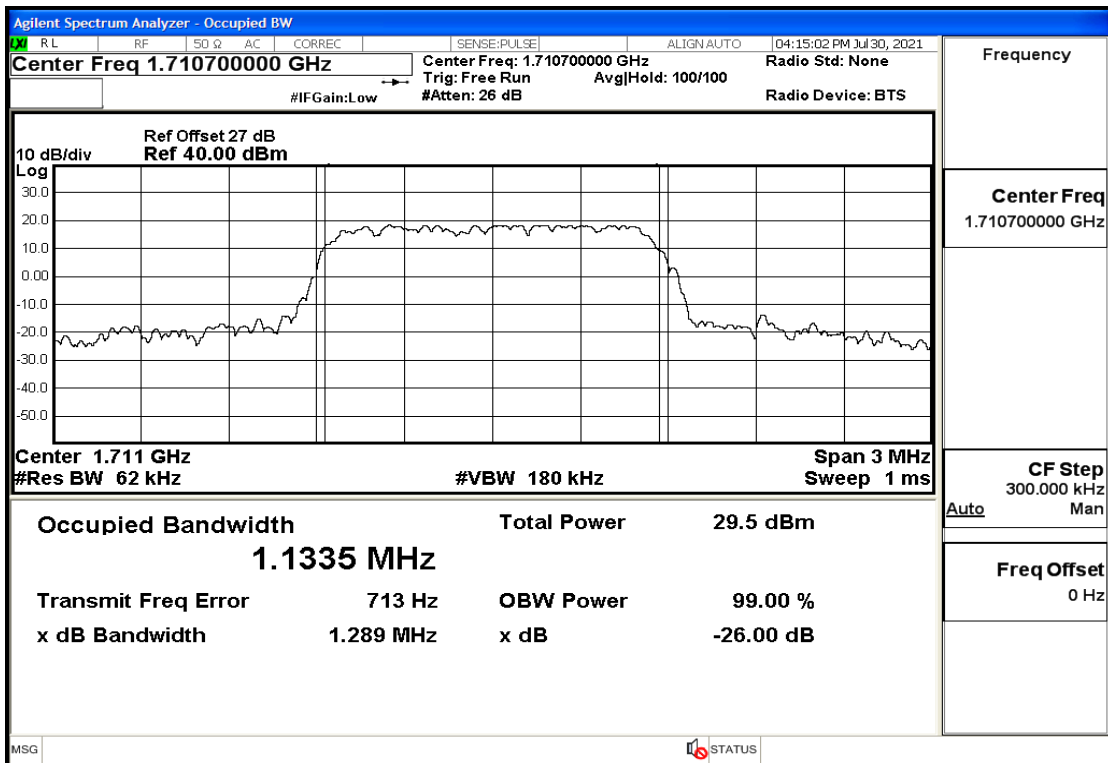
Emission bandwidth and OBW

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	1109.1	1293	No limit
Band4	1.4	1710.7	16QAM	6	LOW	1133.5	1289	No limit
Band4	1.4	1732.5	QPSK	6	LOW	1107.7	1292	No limit
Band4	1.4	1732.5	16QAM	6	LOW	1115.7	1287	No limit
Band4	1.4	1754.3	QPSK	6	LOW	1108.5	1295	No limit
Band4	1.4	1754.3	16QAM	6	LOW	1109.3	1279	No limit
Band4	3	1711.5	QPSK	15	LOW	2751.2	3104	No limit
Band4	3	1711.5	16QAM	15	LOW	2771.4	3078	No limit
Band4	3	1732.5	QPSK	15	LOW	2764	3110	No limit
Band4	3	1732.5	16QAM	15	LOW	2751.5	3085	No limit
Band4	3	1753.5	QPSK	15	LOW	2753.7	3124	No limit
Band4	3	1753.5	16QAM	15	LOW	2751	3110	No limit
Band4	5	1712.5	QPSK	25	LOW	4609.6	5117	No limit
Band4	5	1712.5	16QAM	25	LOW	4578.9	5043	No limit
Band4	5	1732.5	QPSK	25	LOW	4581	5051	No limit
Band4	5	1732.5	16QAM	25	LOW	4572.1	5095	No limit
Band4	5	1752.5	QPSK	25	LOW	4562.2	5110	No limit
Band4	5	1752.5	16QAM	25	LOW	4575.8	5115	No limit
Band4	10	1715	QPSK	50	LOW	9075.1	9980	No limit
Band4	10	1715	16QAM	50	LOW	9080.3	10050	No limit
Band4	10	1732.5	QPSK	50	LOW	9083.5	10060	No limit
Band4	10	1732.5	16QAM	50	LOW	9064.1	9950	No limit
Band4	10	1750	QPSK	50	LOW	9107.8	10000	No limit
Band4	10	1750	16QAM	50	LOW	9101.6	10060	No limit
Band4	15	1717.5	QPSK	75	LOW	13666	15250	No limit
Band4	15	1717.5	16QAM	75	LOW	13631	15180	No limit
Band4	15	1732.5	QPSK	75	LOW	13640	15180	No limit
Band4	15	1732.5	16QAM	75	LOW	13709	15330	No limit
Band4	15	1747.5	QPSK	75	LOW	13661	15230	No limit
Band4	15	1747.5	16QAM	75	LOW	13673	15030	No limit
Band4	20	1720	QPSK	100	LOW	18160	20190	No limit
Band4	20	1720	16QAM	100	LOW	18154	20020	No limit
Band4	20	1732.5	QPSK	100	LOW	18235	20030	No limit
Band4	20	1732.5	16QAM	100	LOW	18210	20050	No limit
Band4	20	1745	QPSK	100	LOW	18221	20240	No limit
Band4	20	1745	16QAM	100	LOW	18256	20200	No limit

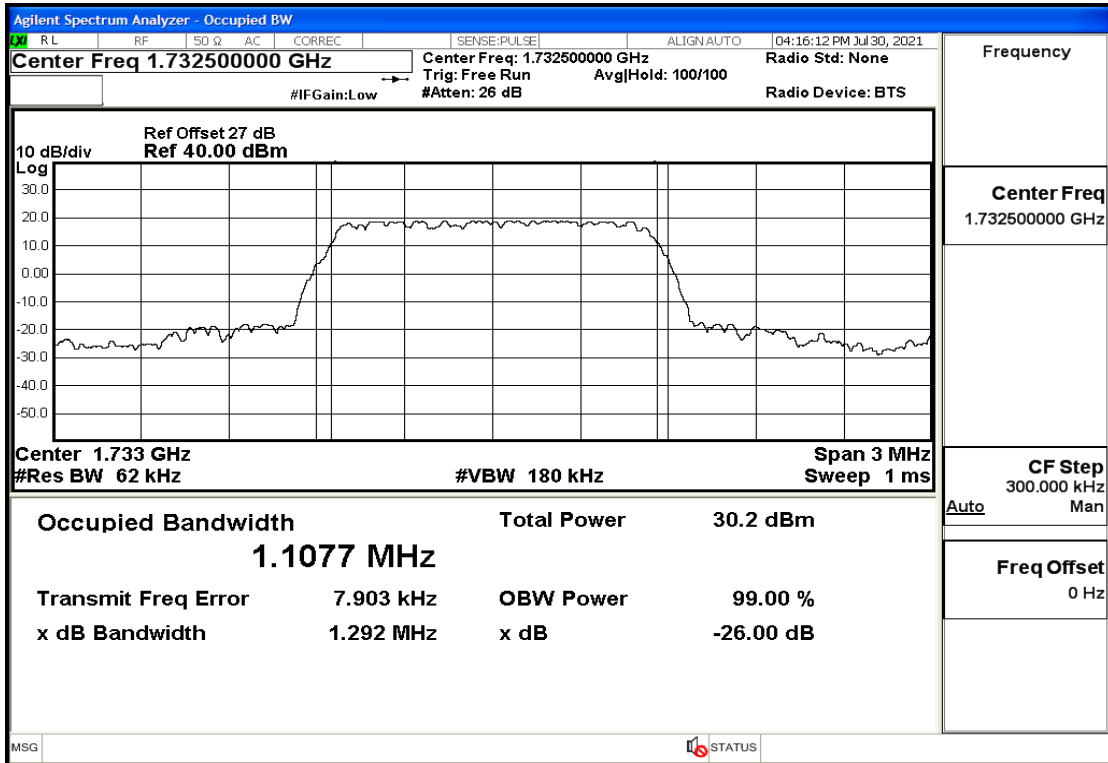
Band4-1.4-1710.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



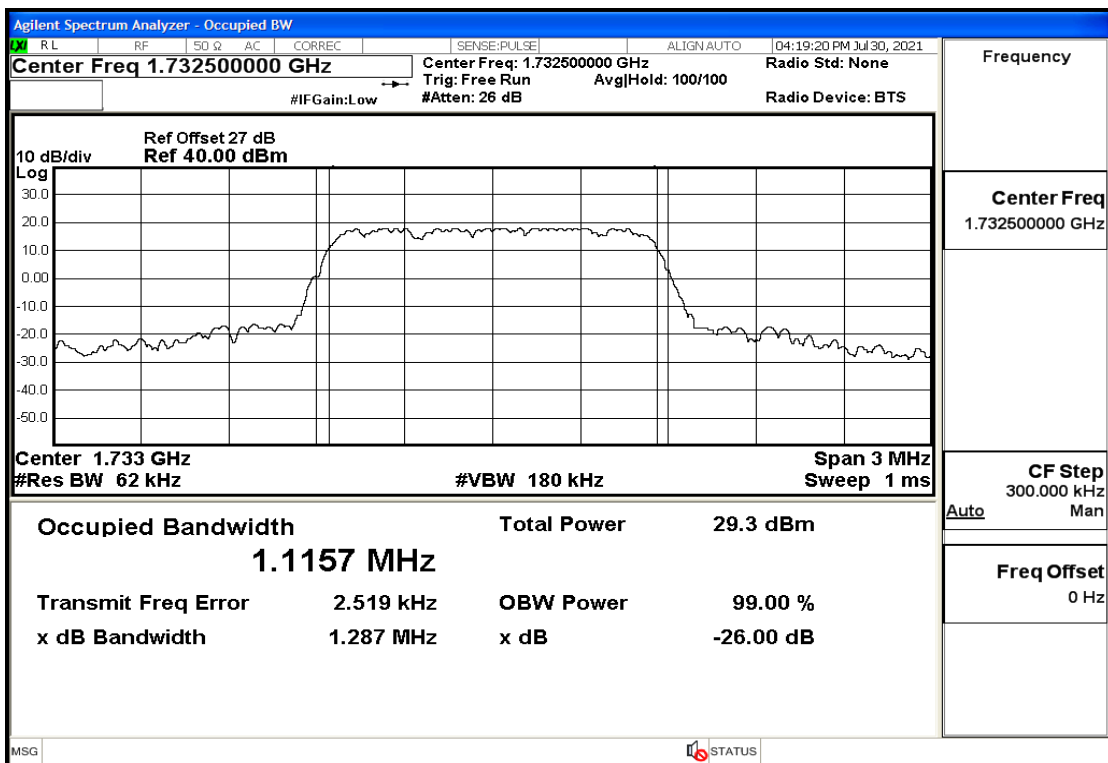
Band4-1.4-1710.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



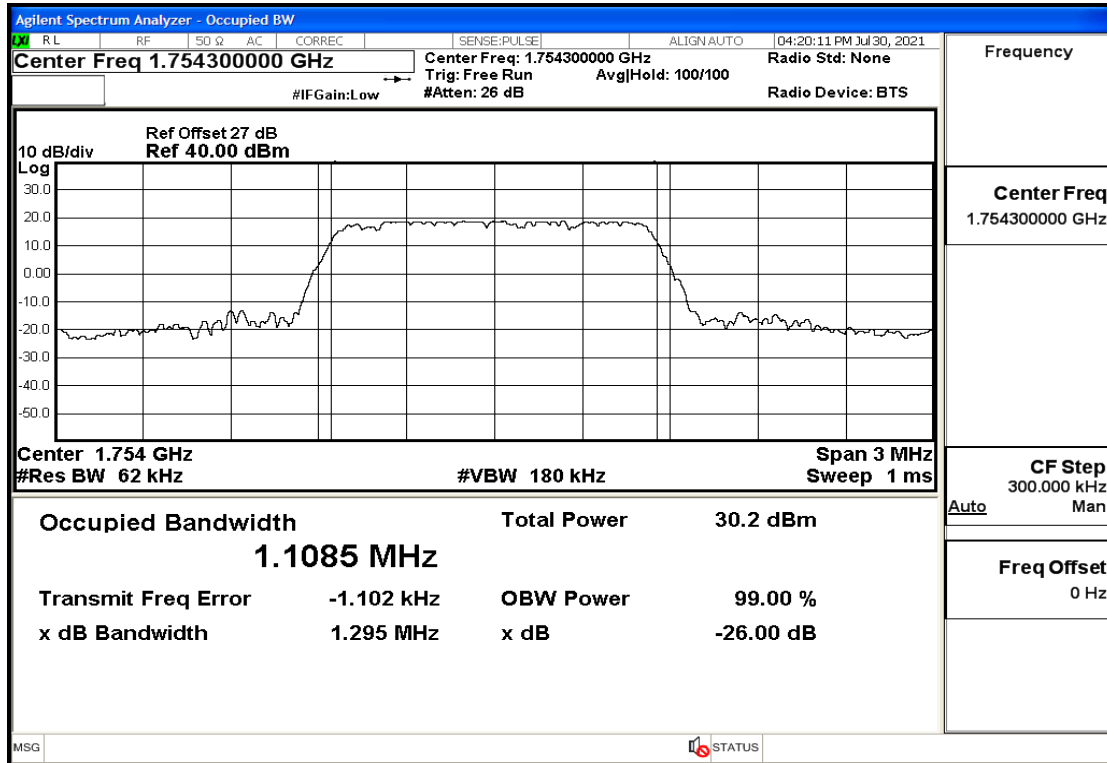
Band4-1.4-1732.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



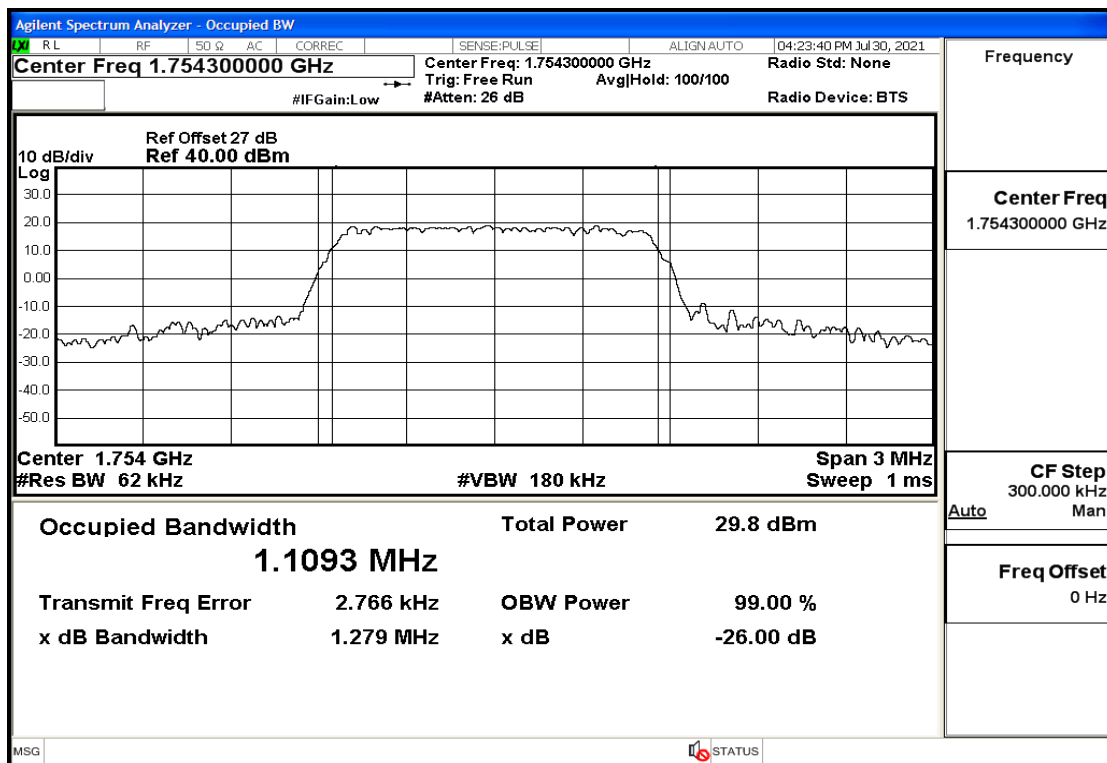
Band4-1.4-1732.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



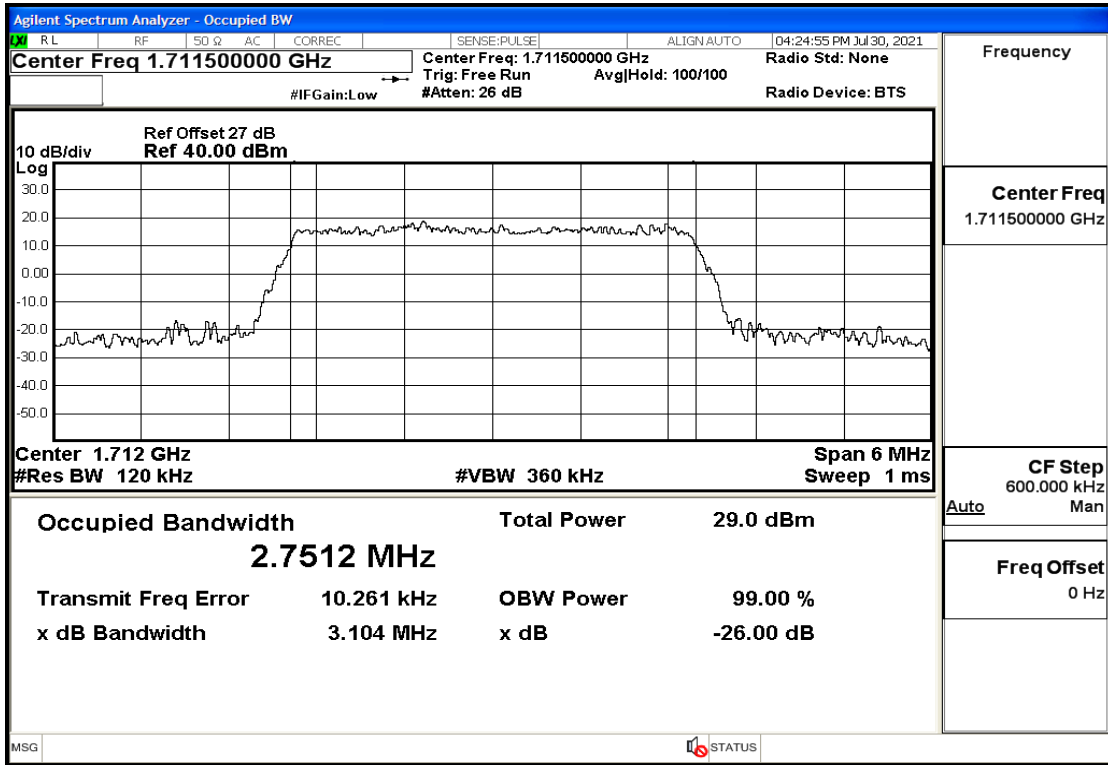
Band4-1.4-1754.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



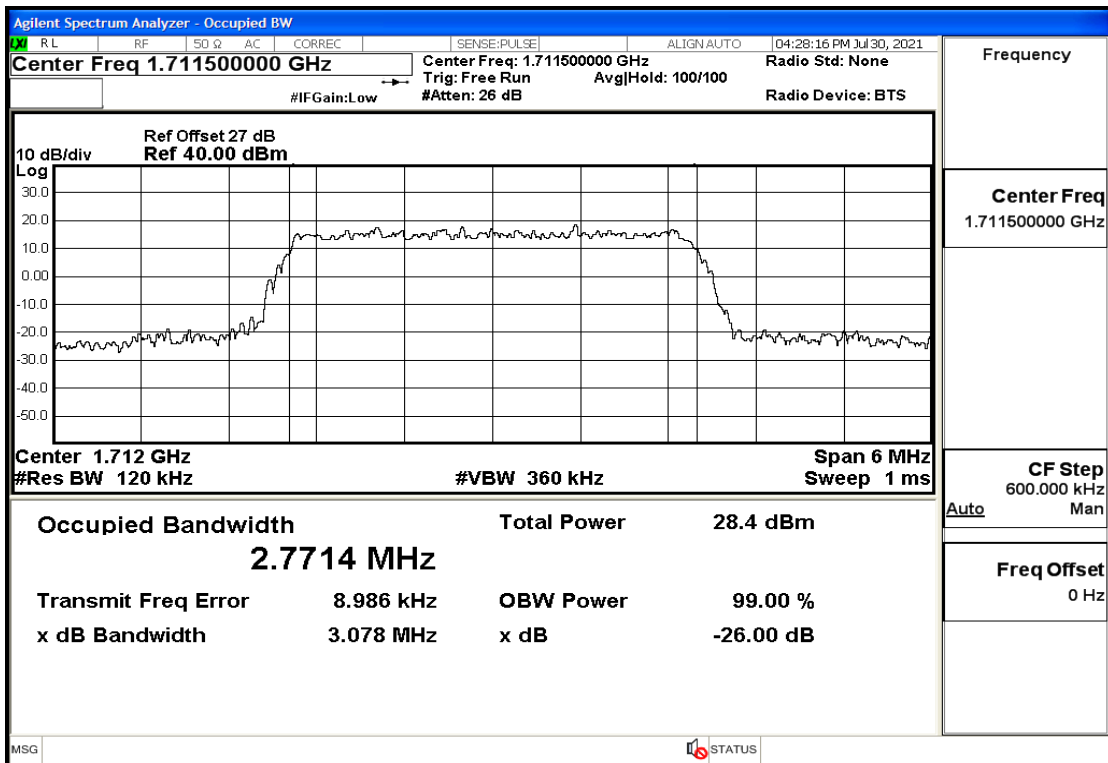
Band4-1.4-1754.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



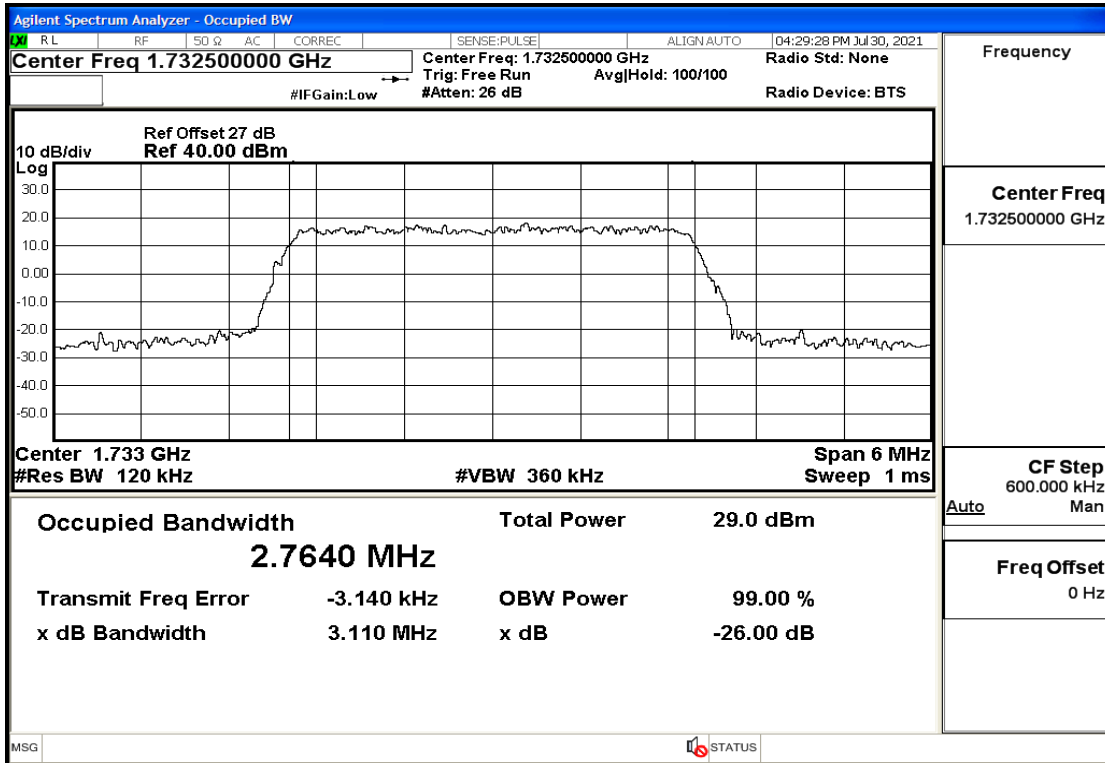
Band4-3-1711.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



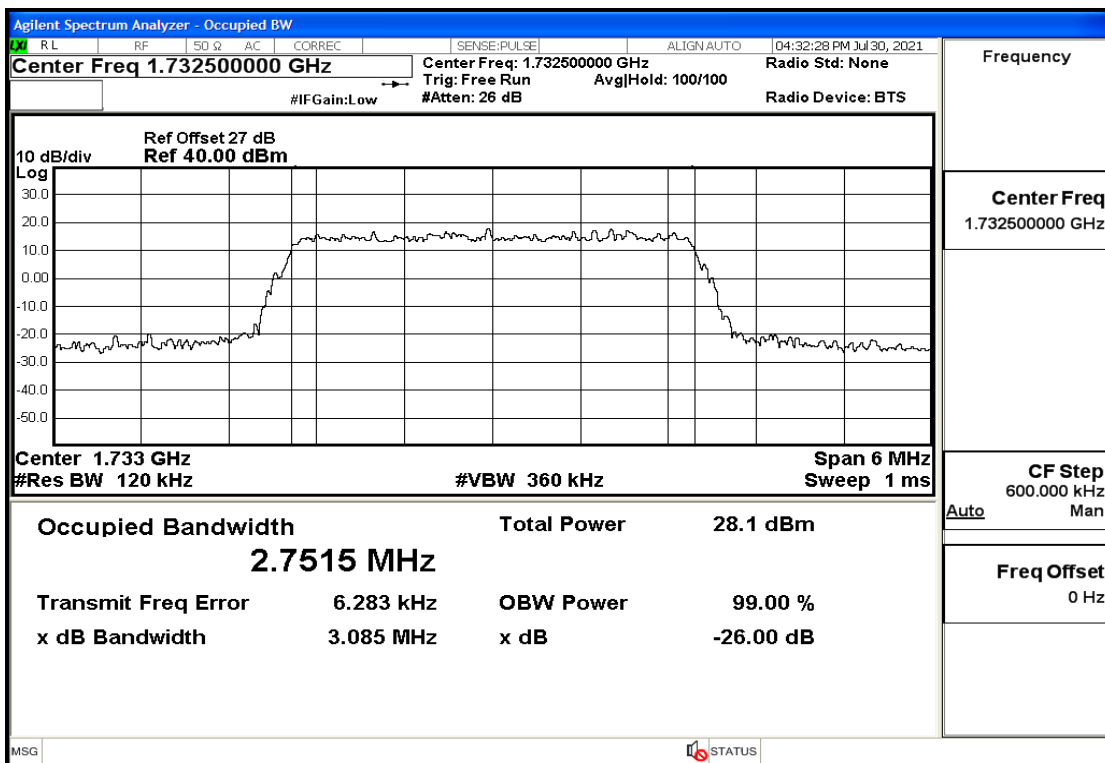
Band4-3-1711.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



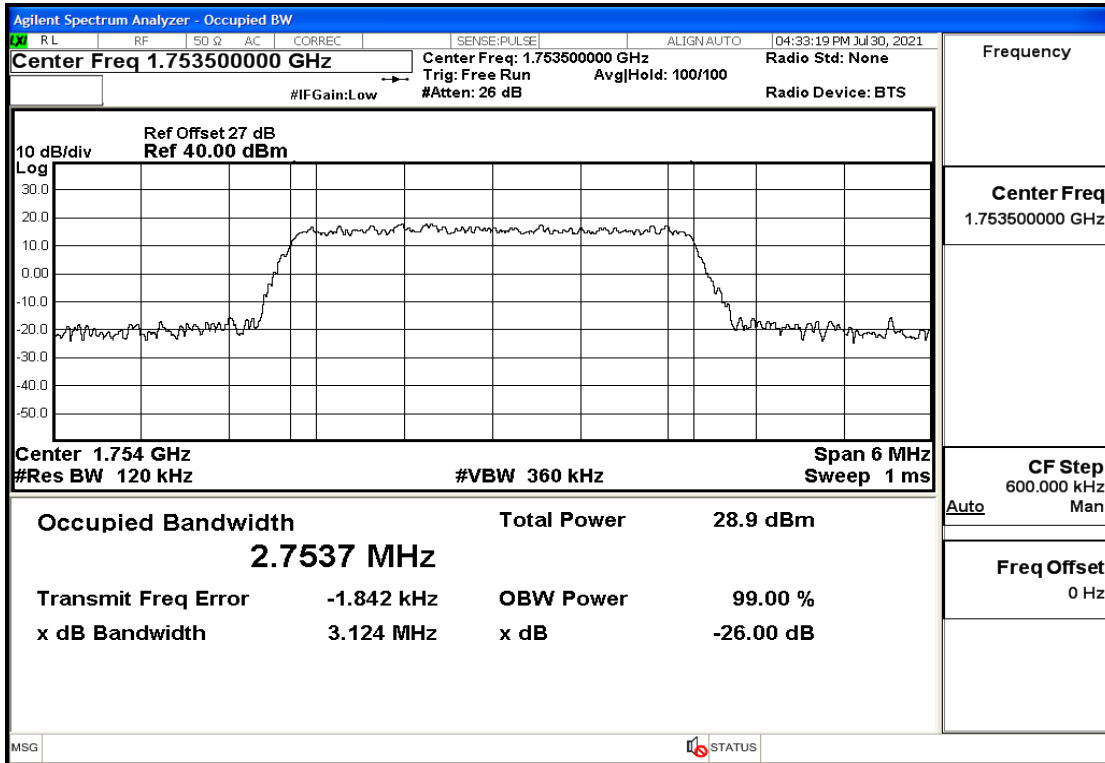
Band4-3-1732.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



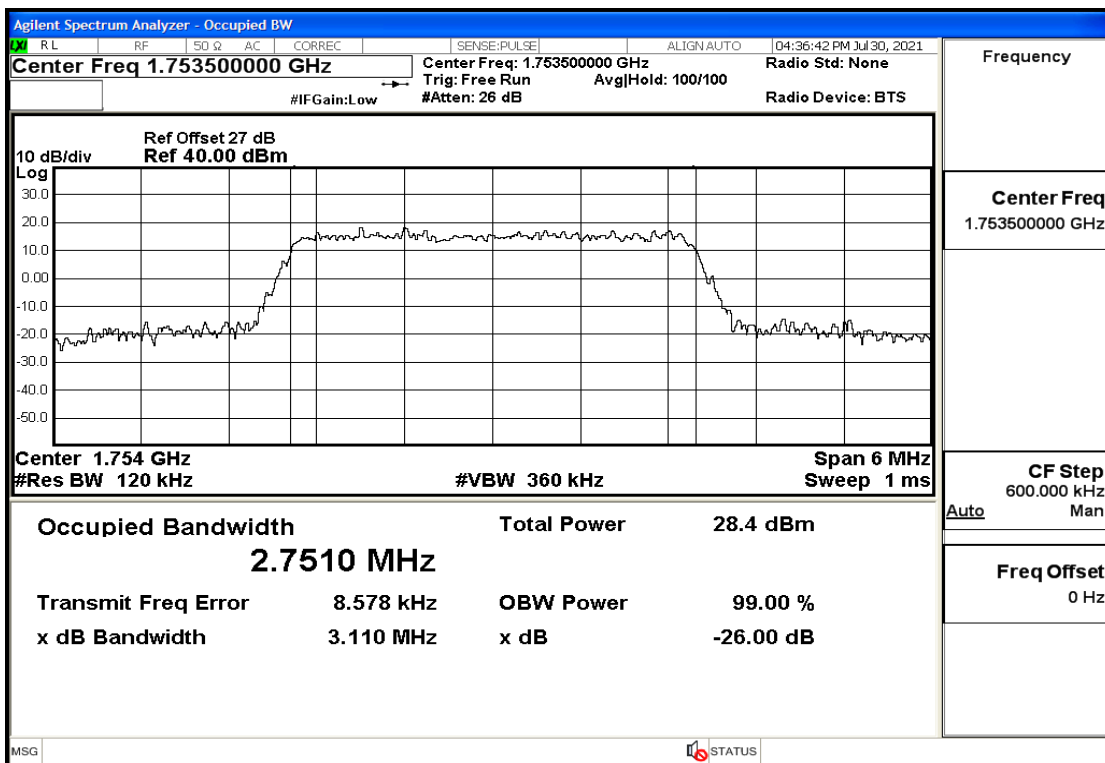
Band4-3-1732.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



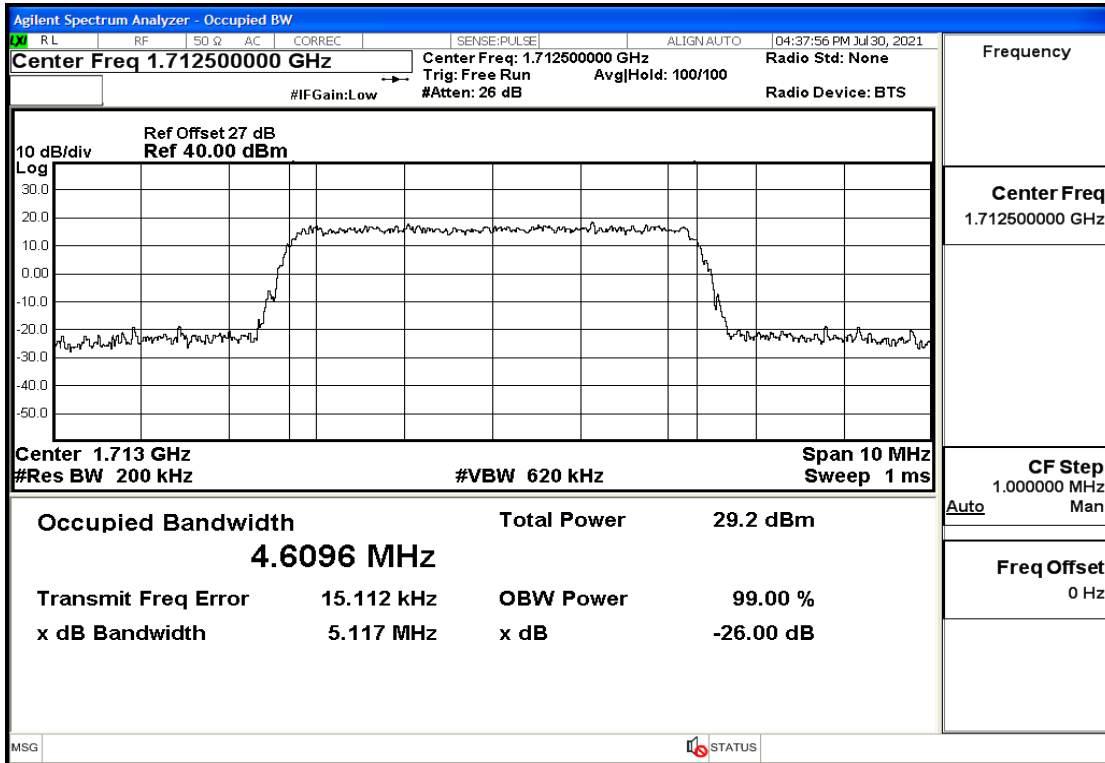
Band4-3-1753.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



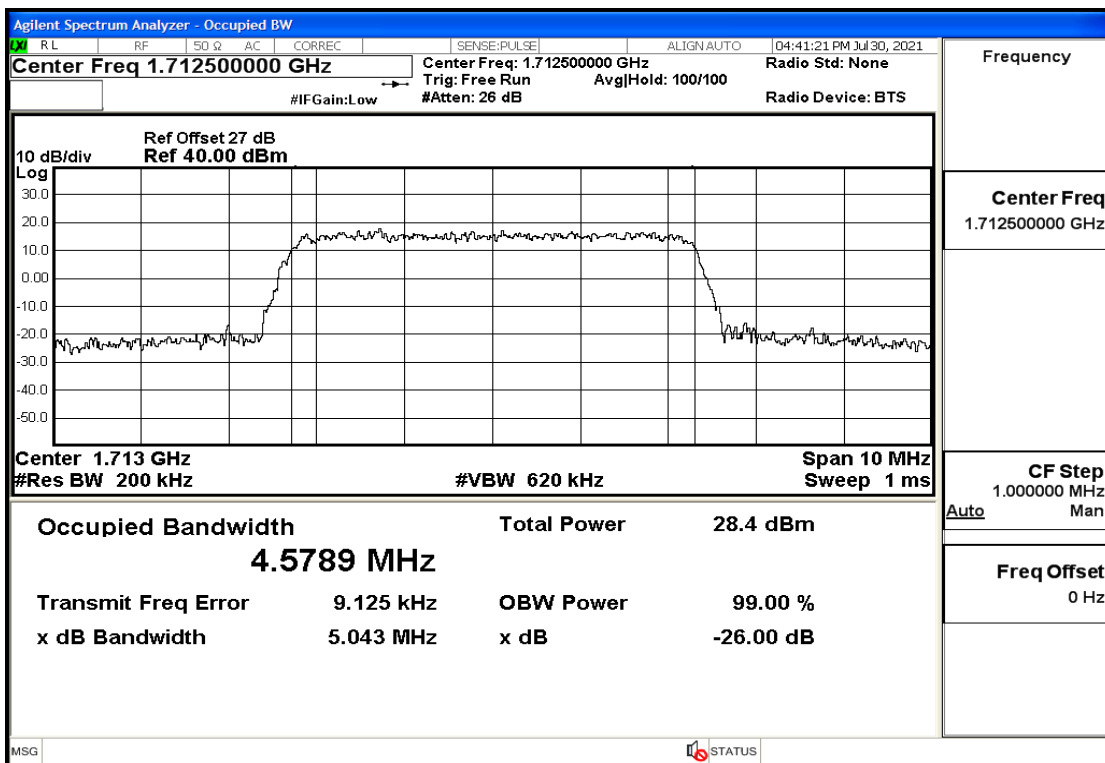
Band4-3-1753.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



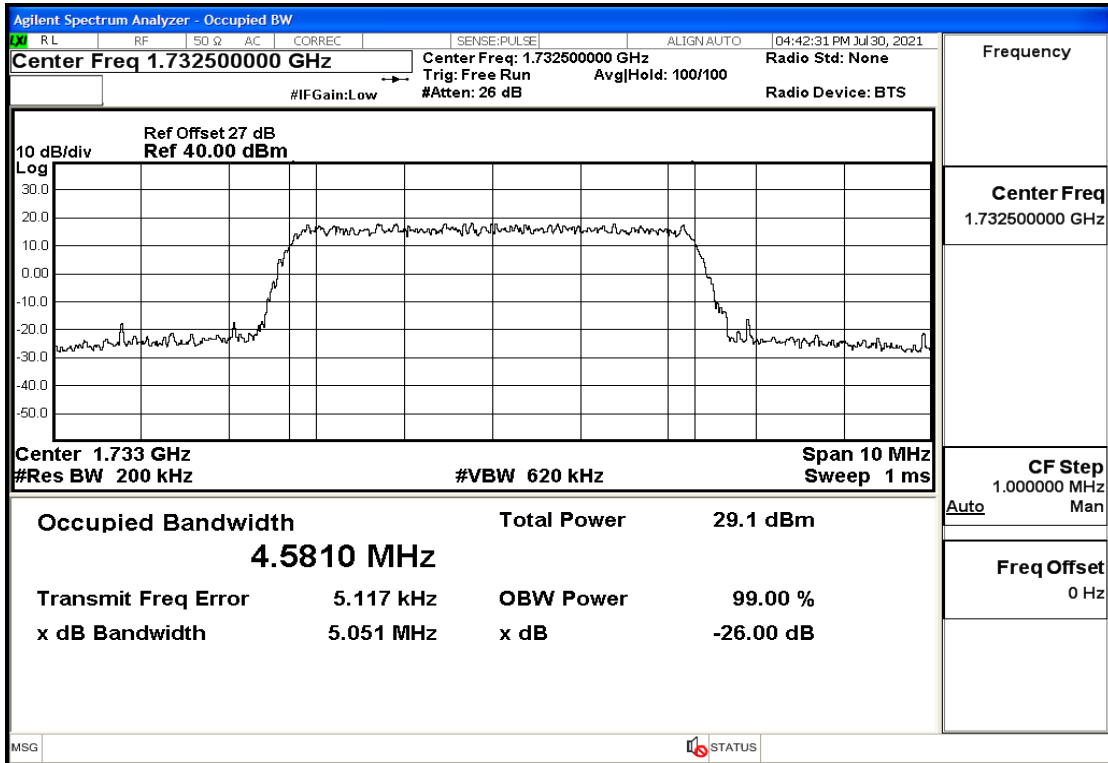
Band4-5-1712.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



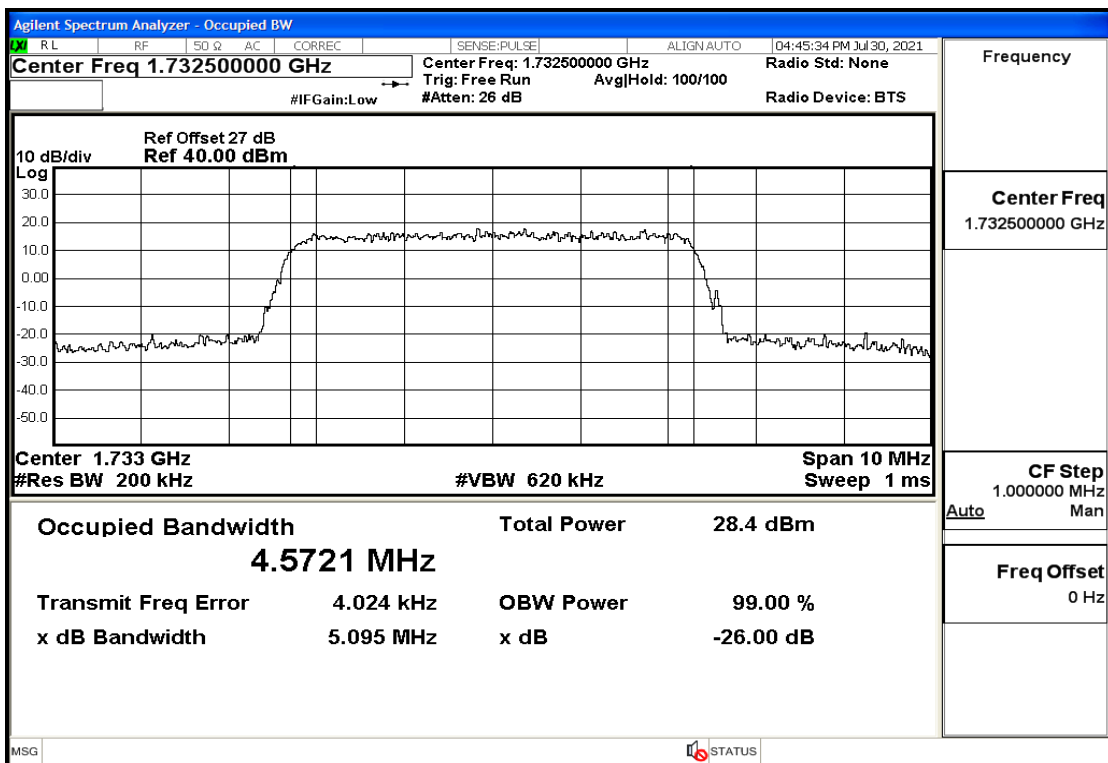
Band4-5-1712.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



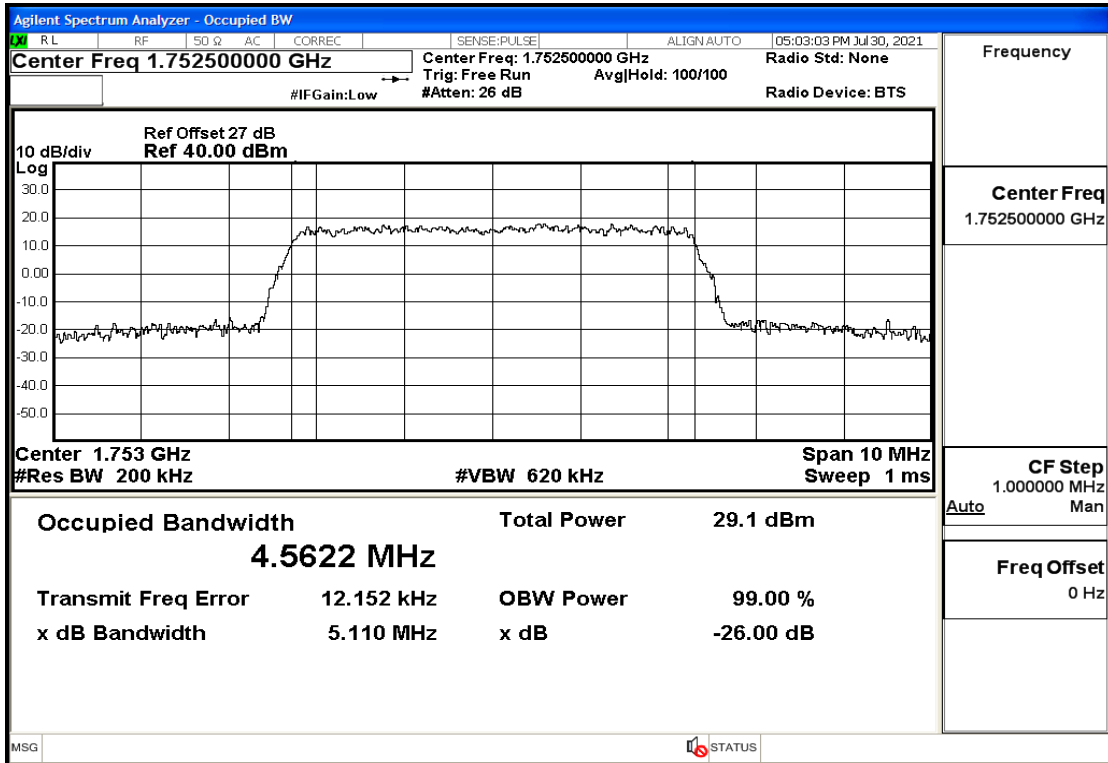
Band4-5-1732.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



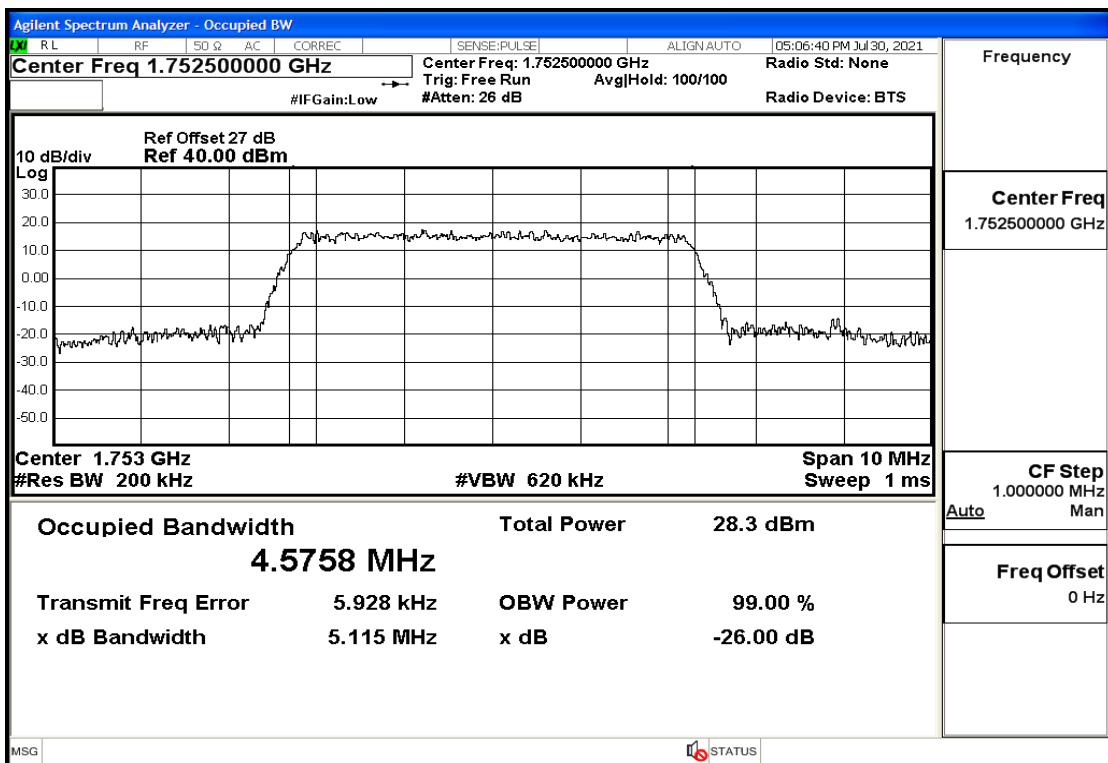
Band4-5-1732.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



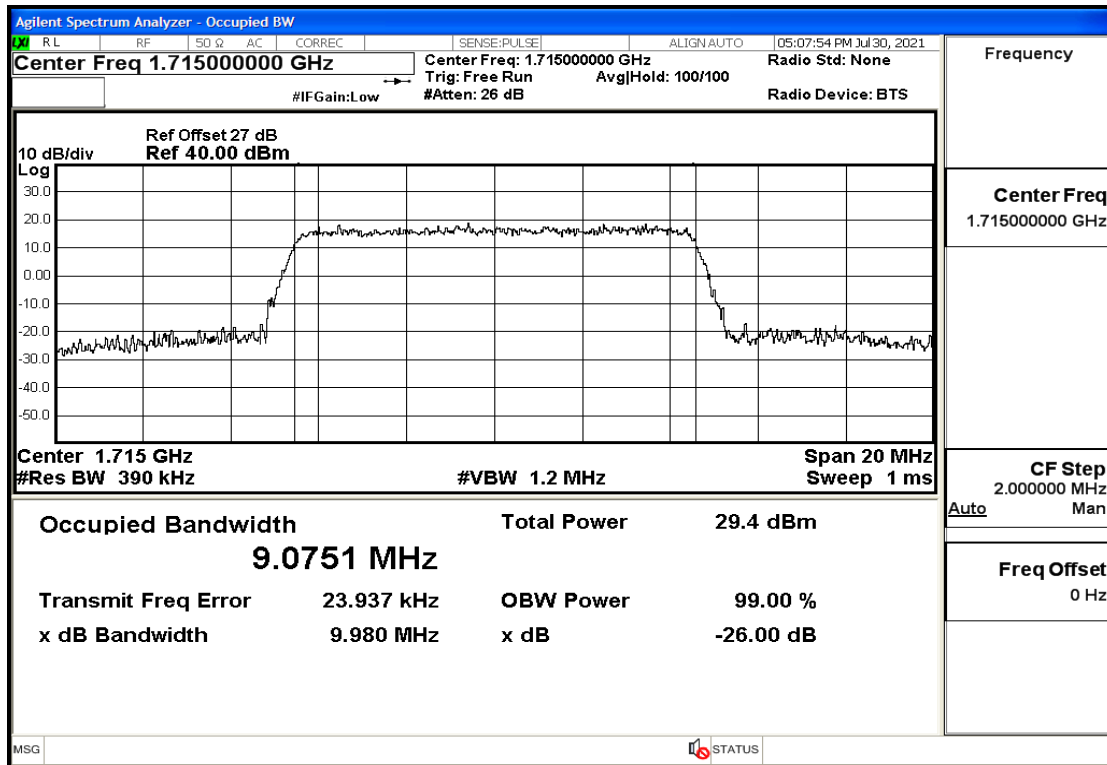
Band4-5-1752.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



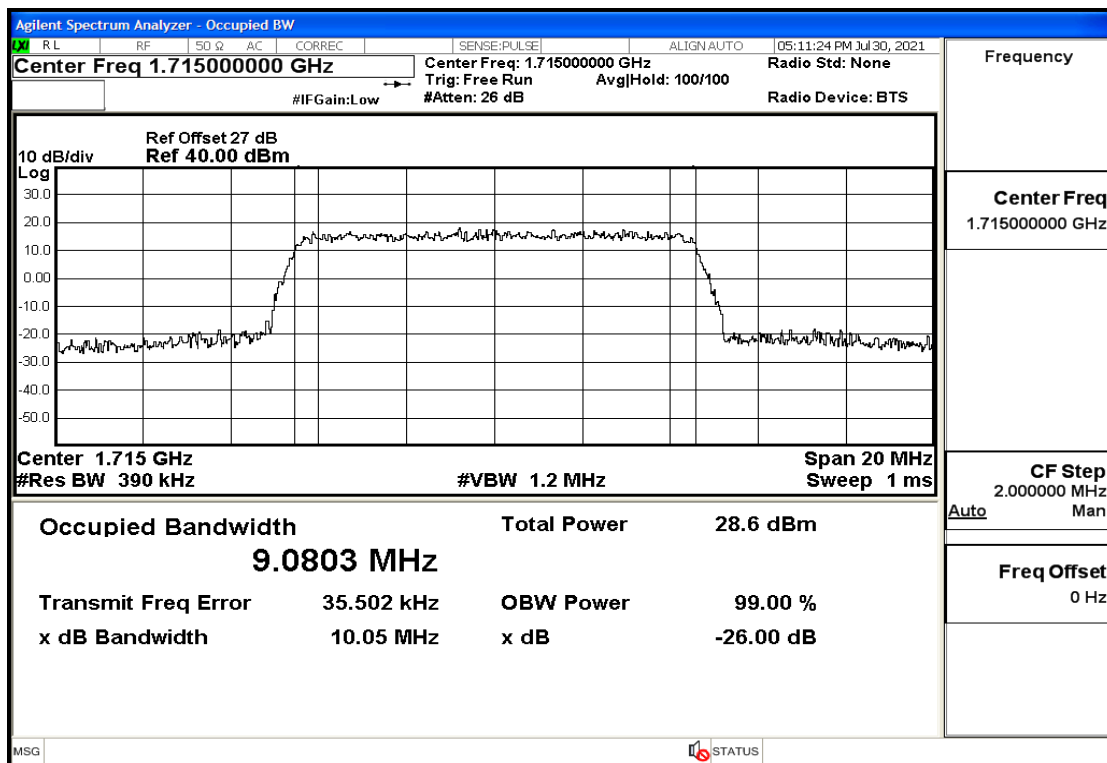
Band4-5-1752.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



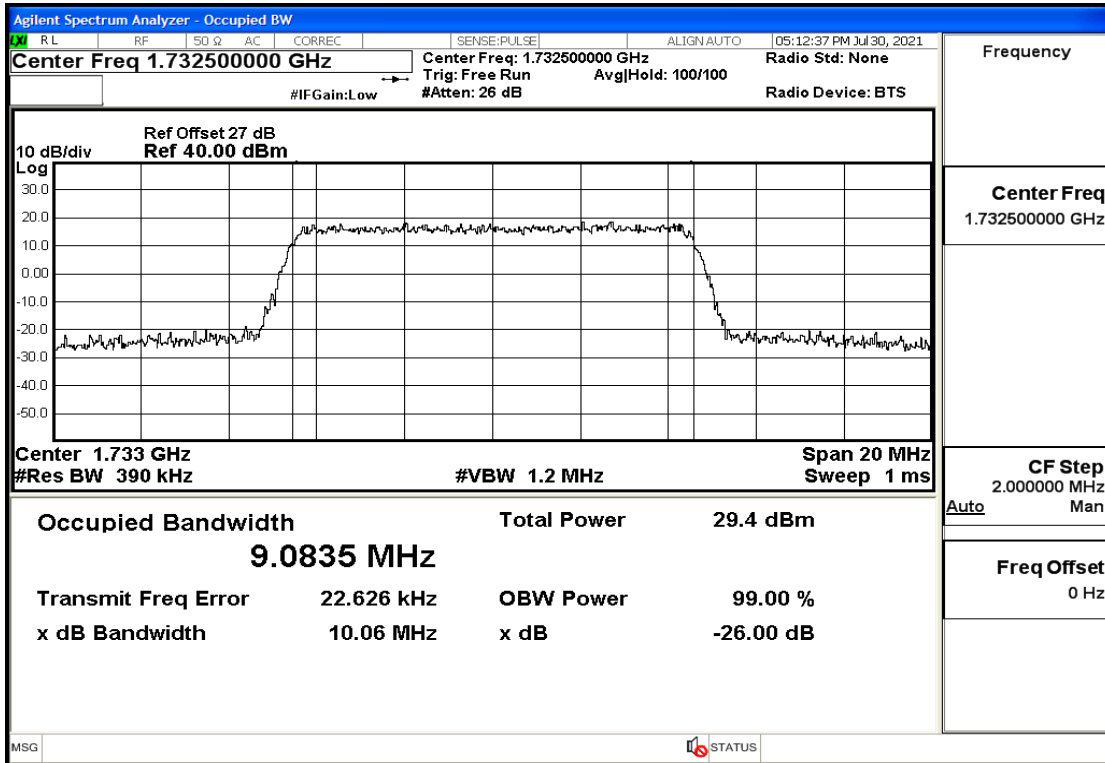
Band4-10-1715-QPSK-50#LOW@26dB and 99PCT Bandwidth



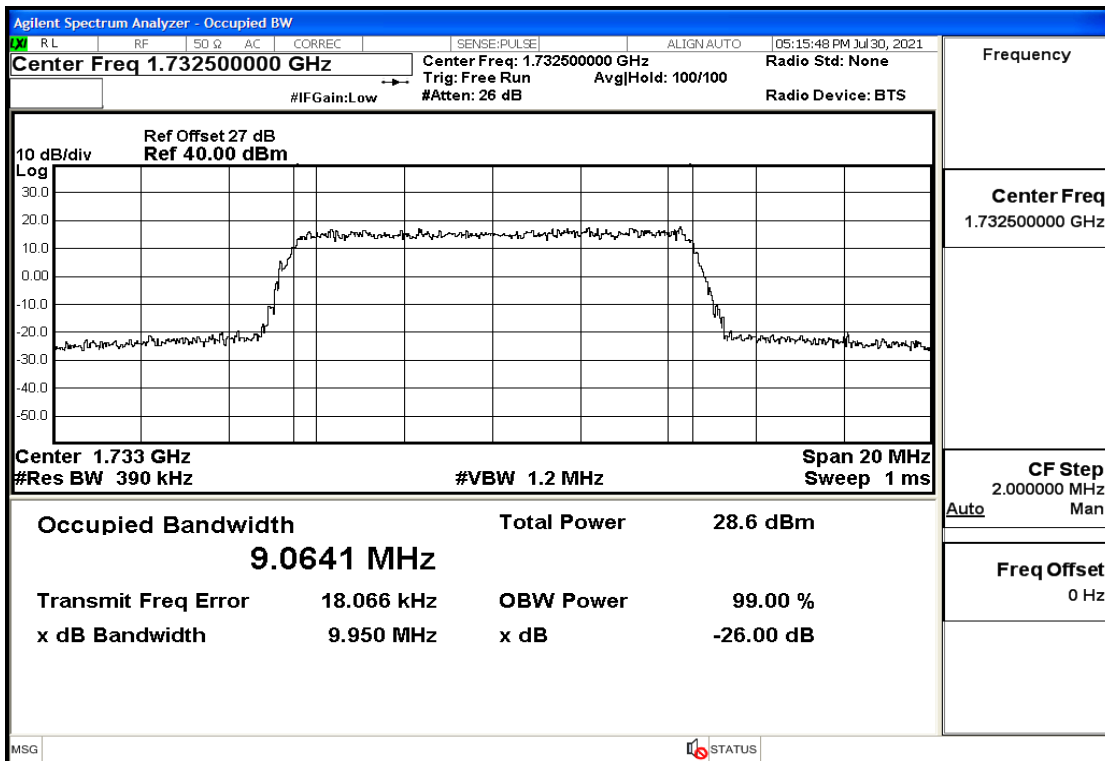
Band4-10-1715-16QAM-50#LOW@26dB and 99PCT Bandwidth



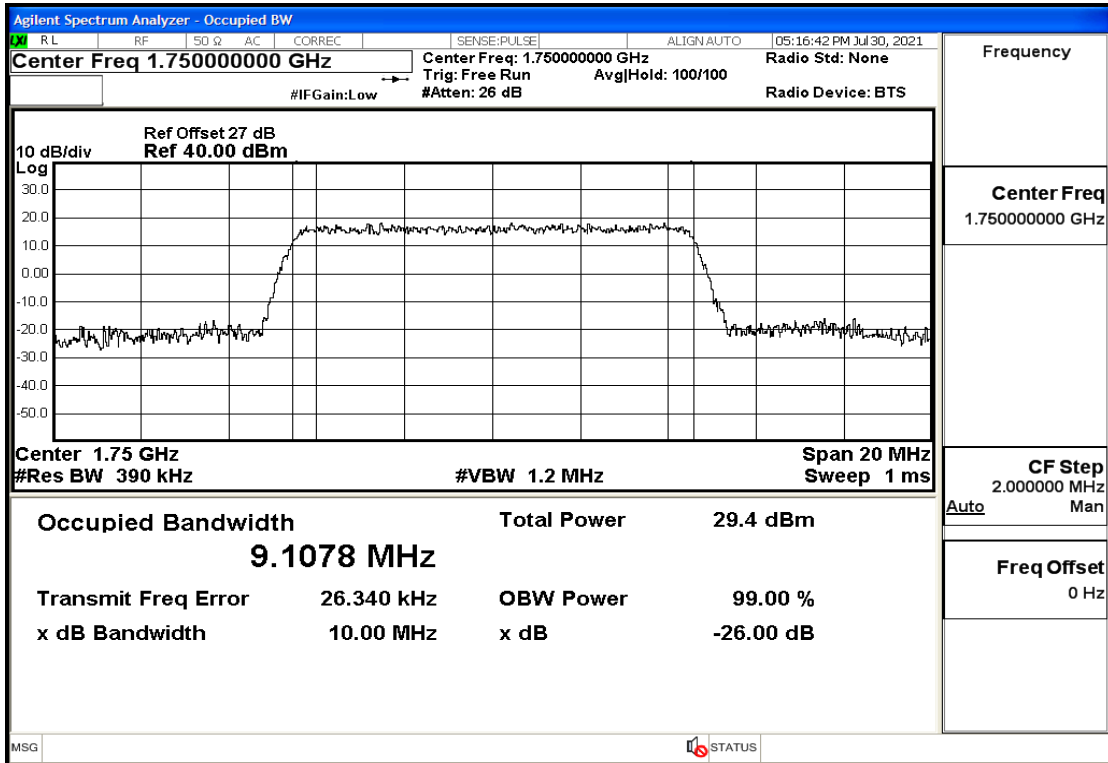
Band4-10-1732.5-QPSK-50#LOW@26dB and 99PCT Bandwidth



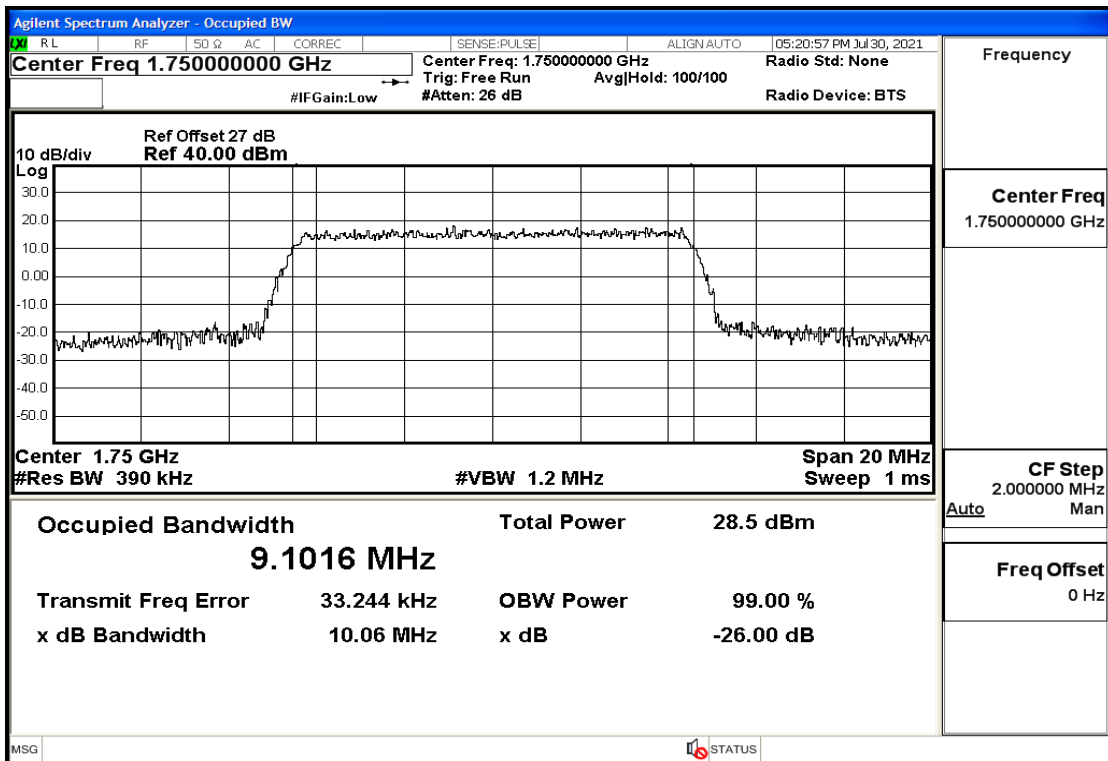
Band4-10-1732.5-16QAM-50#LOW@26dB and 99PCT Bandwidth



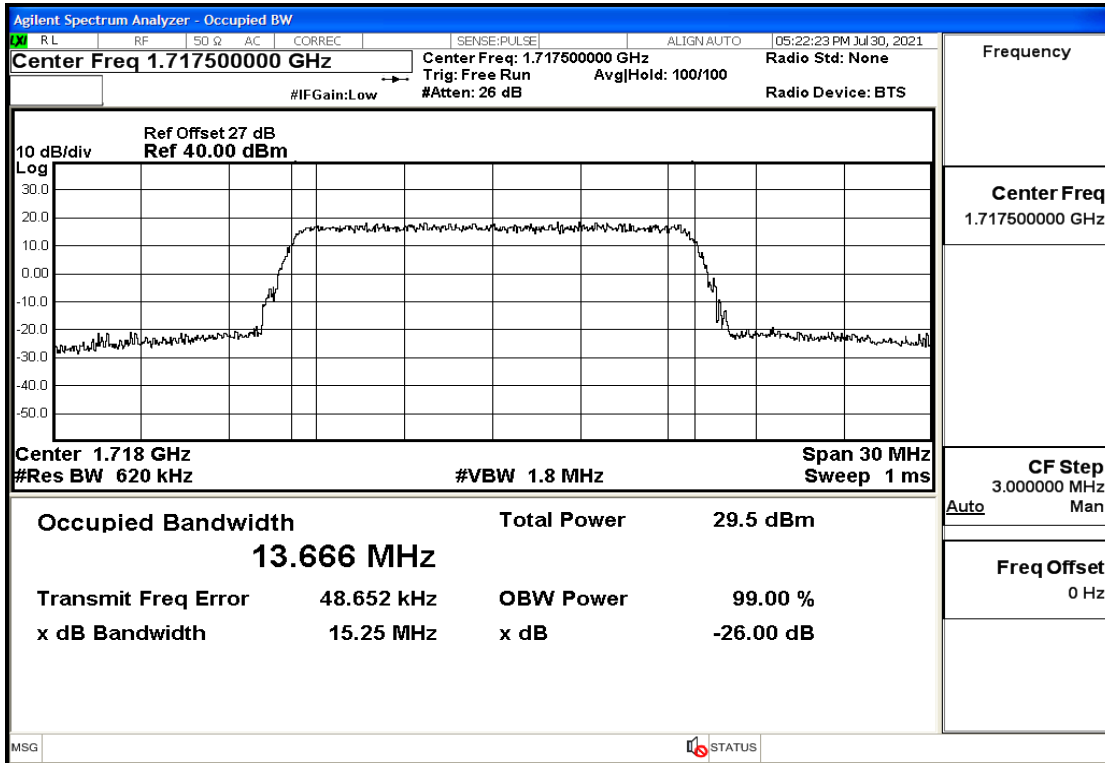
Band4-10-1750-QPSK-50#LOW@26dB and 99PCT Bandwidth



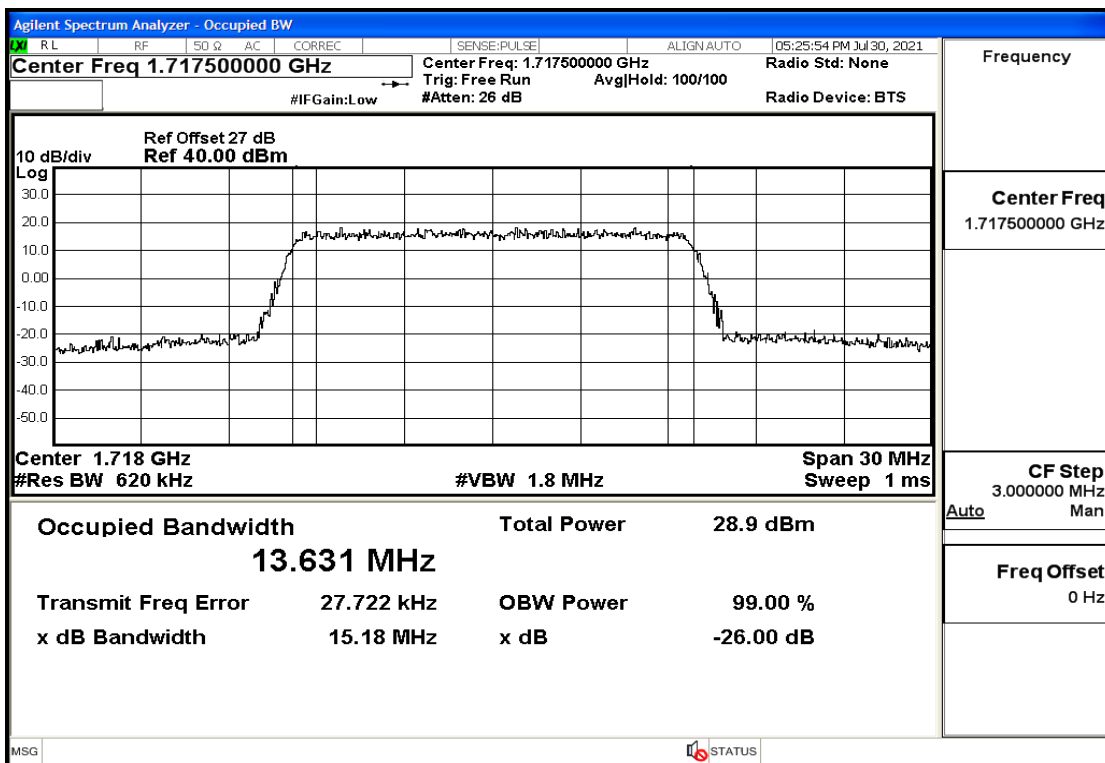
Band4-10-1750-16QAM-50#LOW@26dB and 99PCT Bandwidth



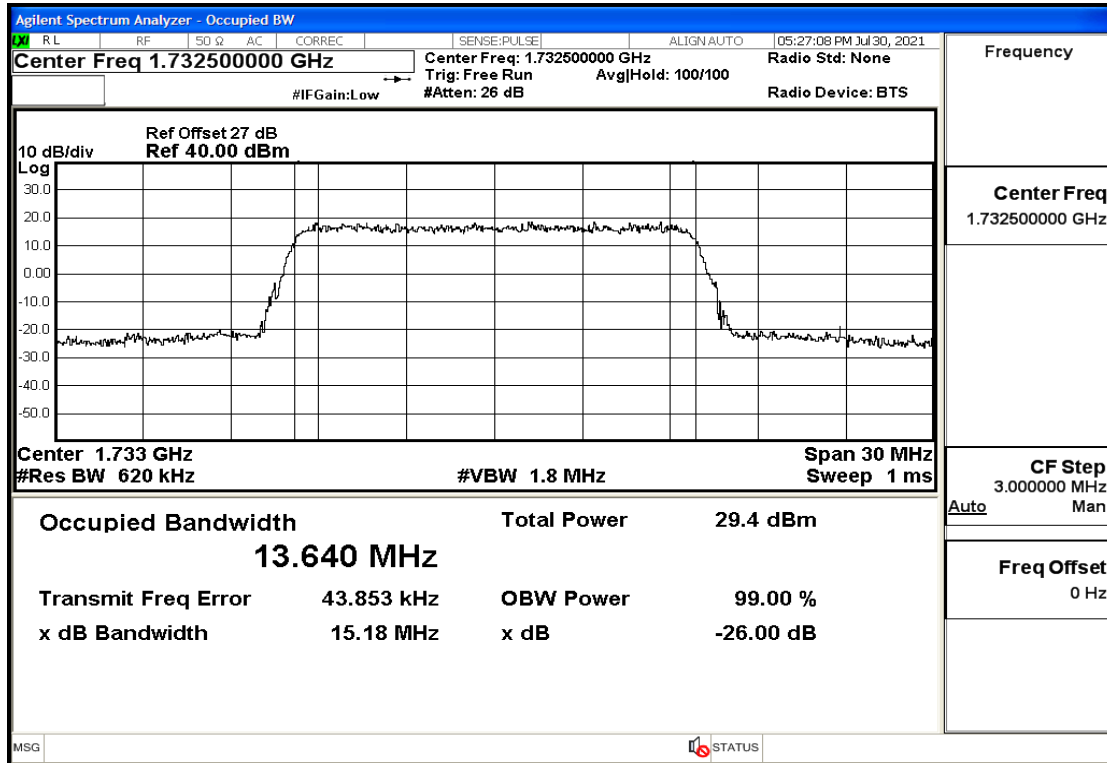
Band4-15-1717.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



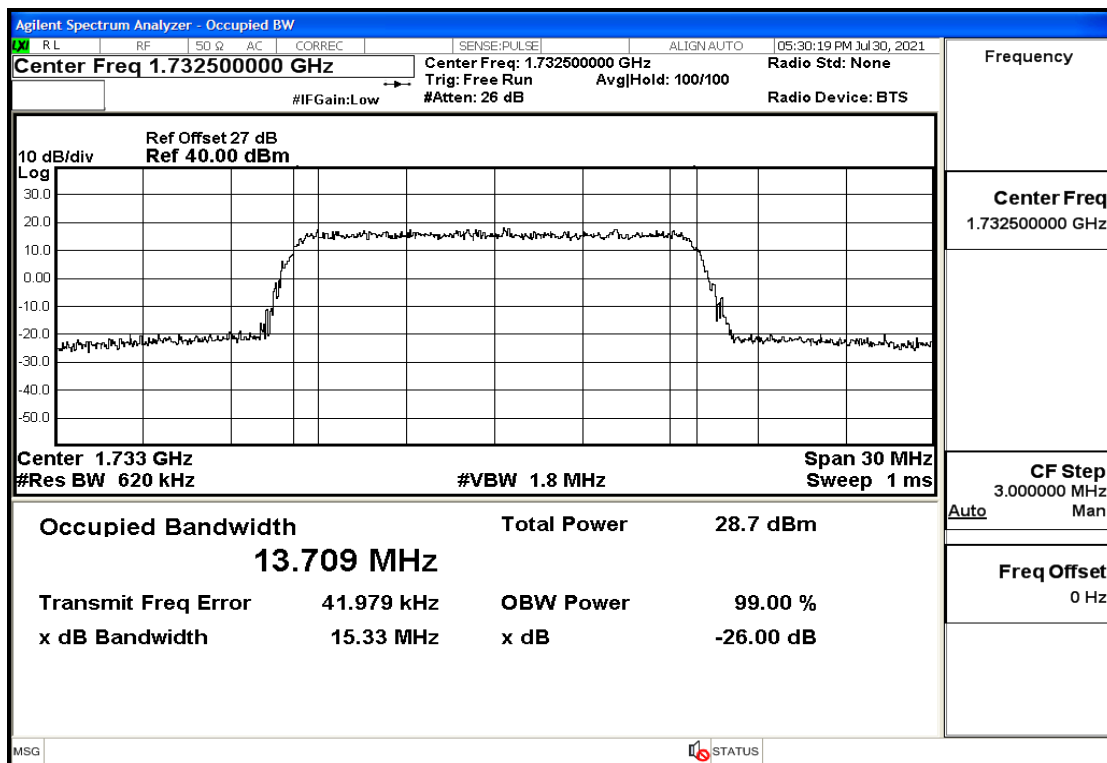
Band4-15-1717.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



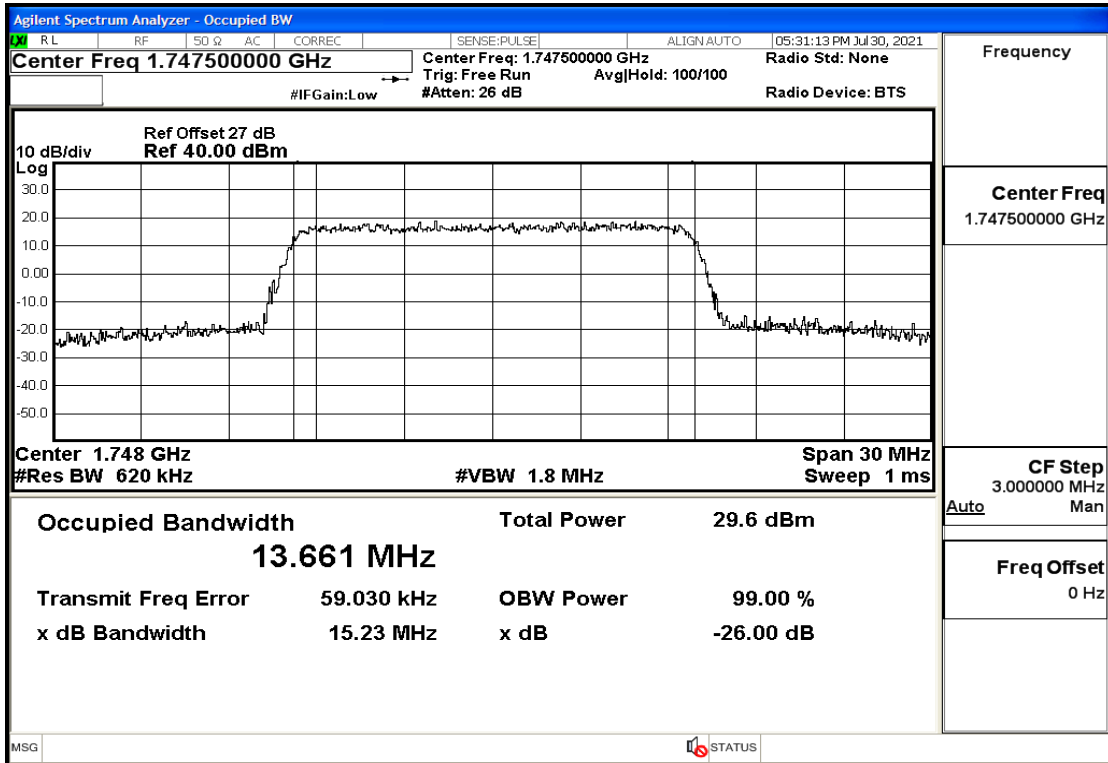
Band4-15-1732.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



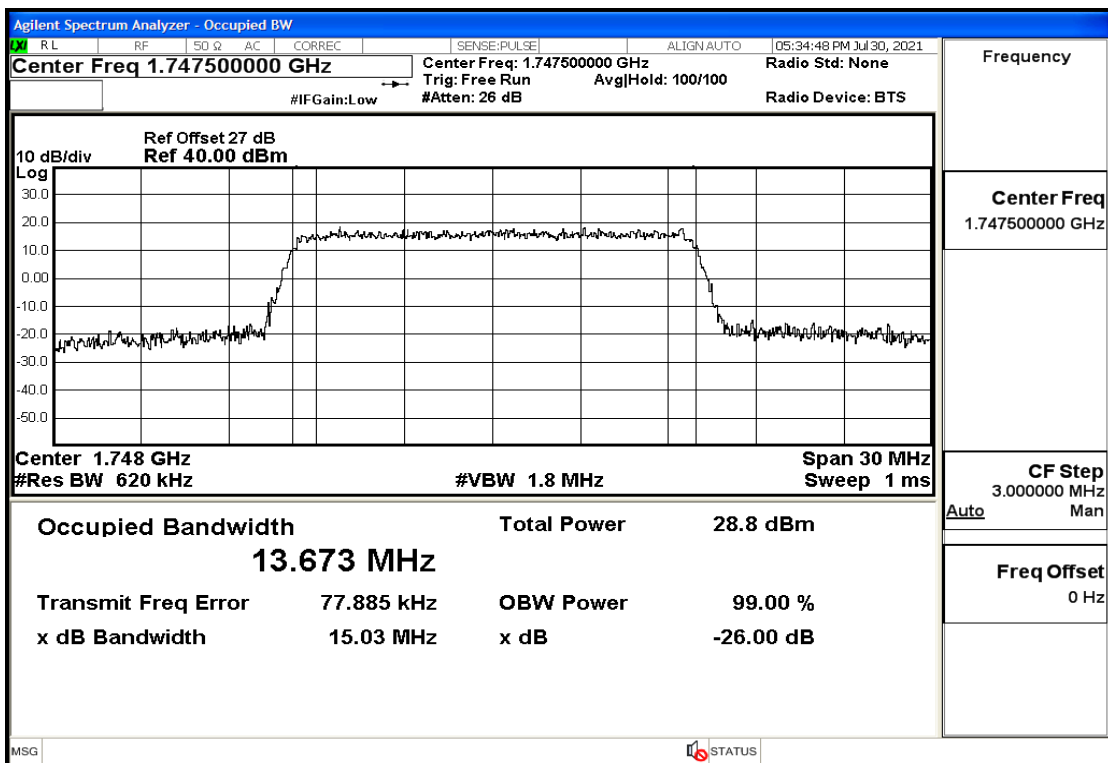
Band4-15-1732.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



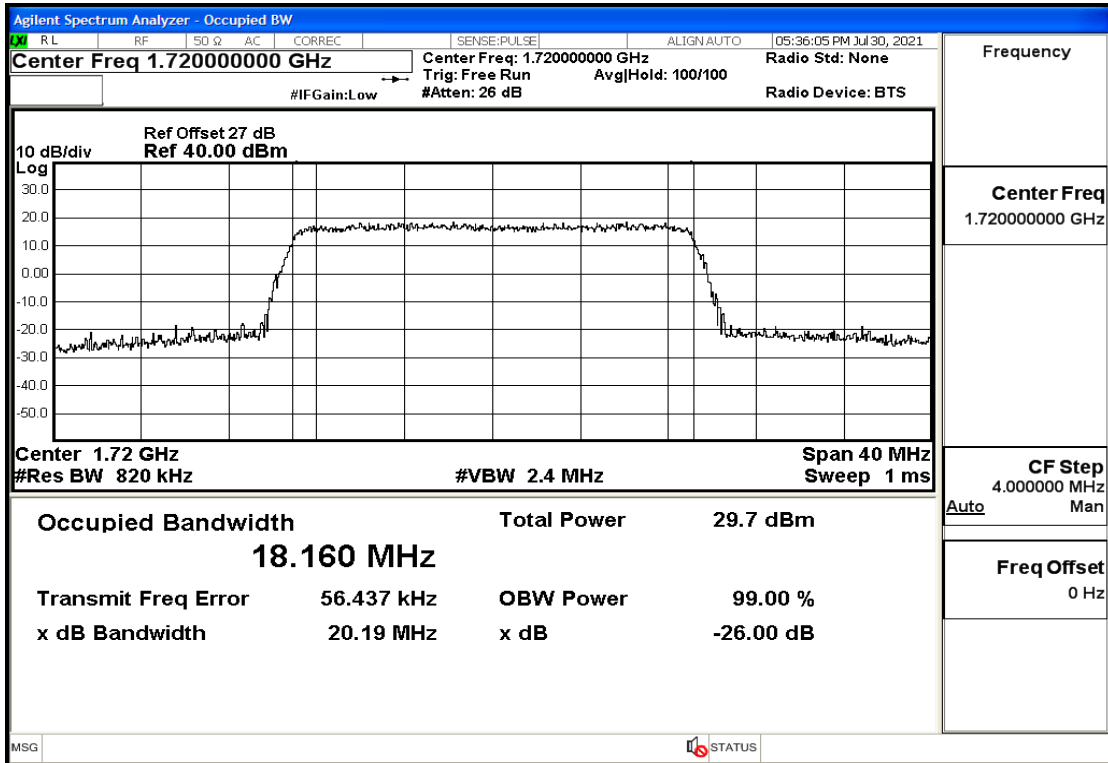
Band4-15-1747.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



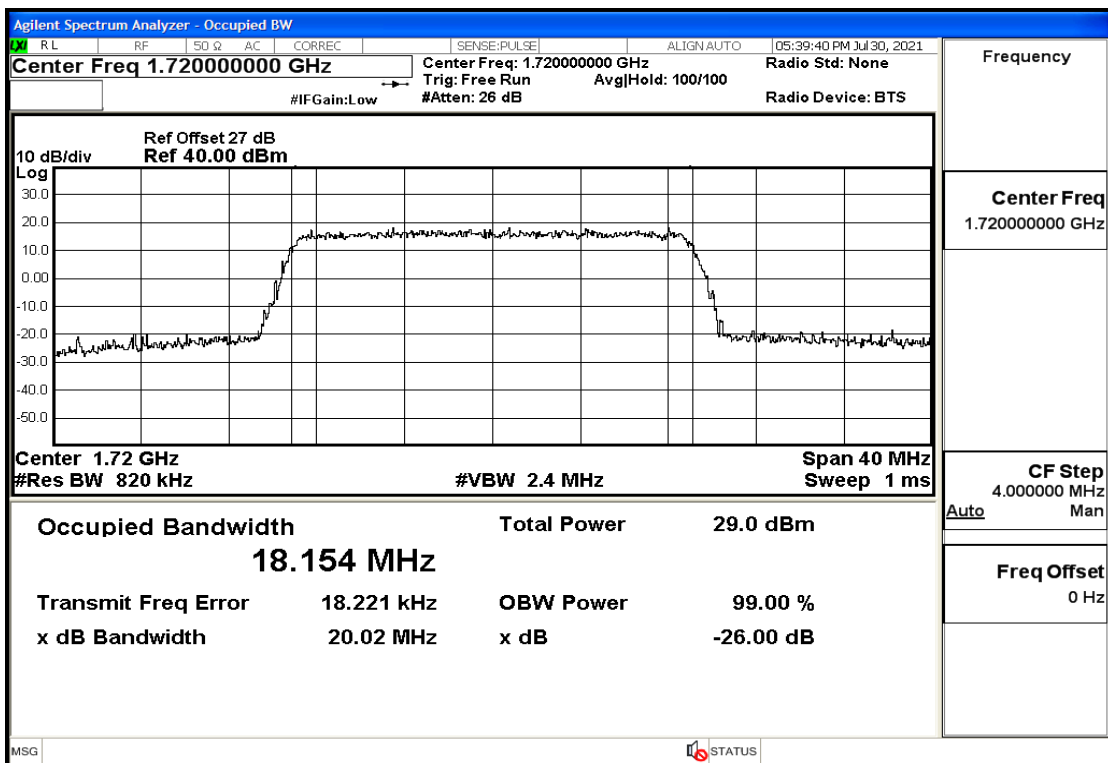
Band4-15-1747.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



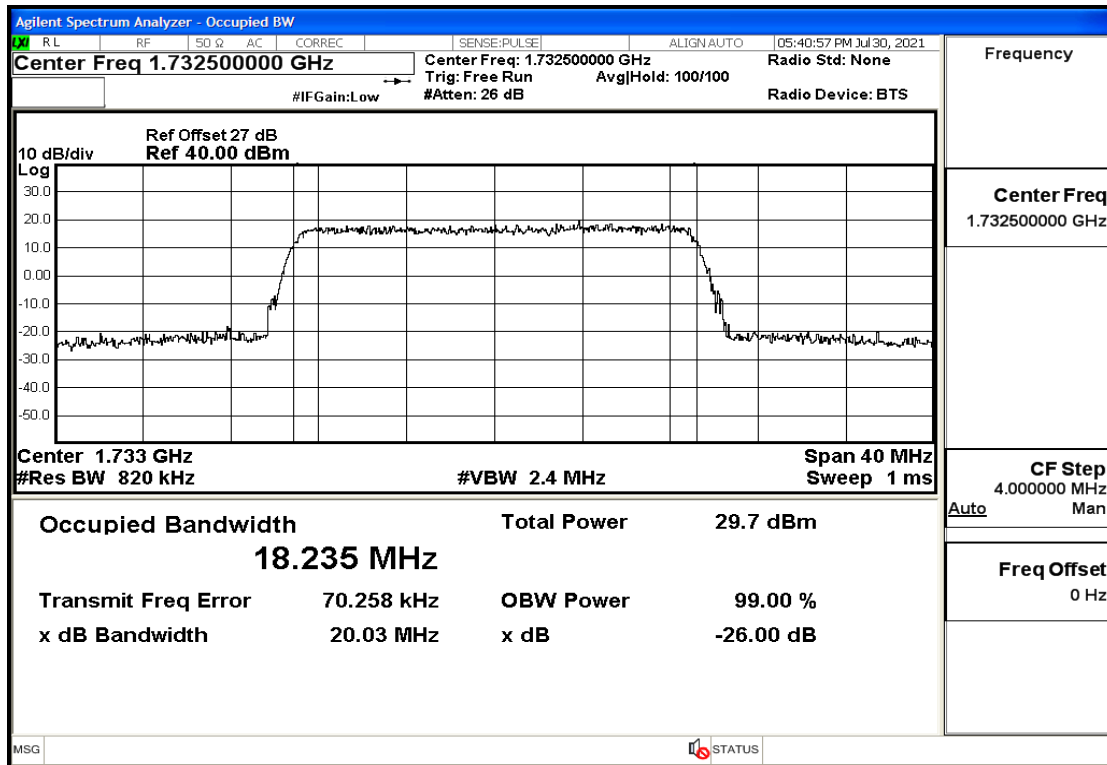
Band4-20-1720-QPSK-100#LOW@26dB and 99PCT Bandwidth



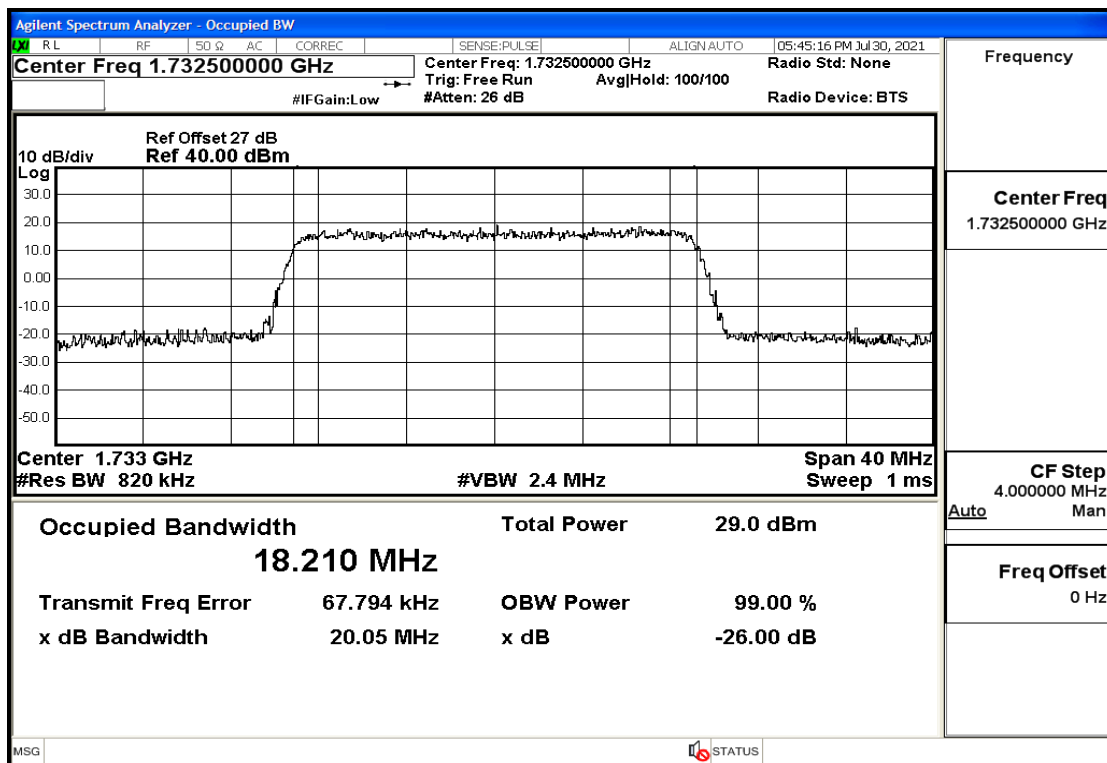
Band4-20-1720-16QAM-100#LOW@26dB and 99PCT Bandwidth



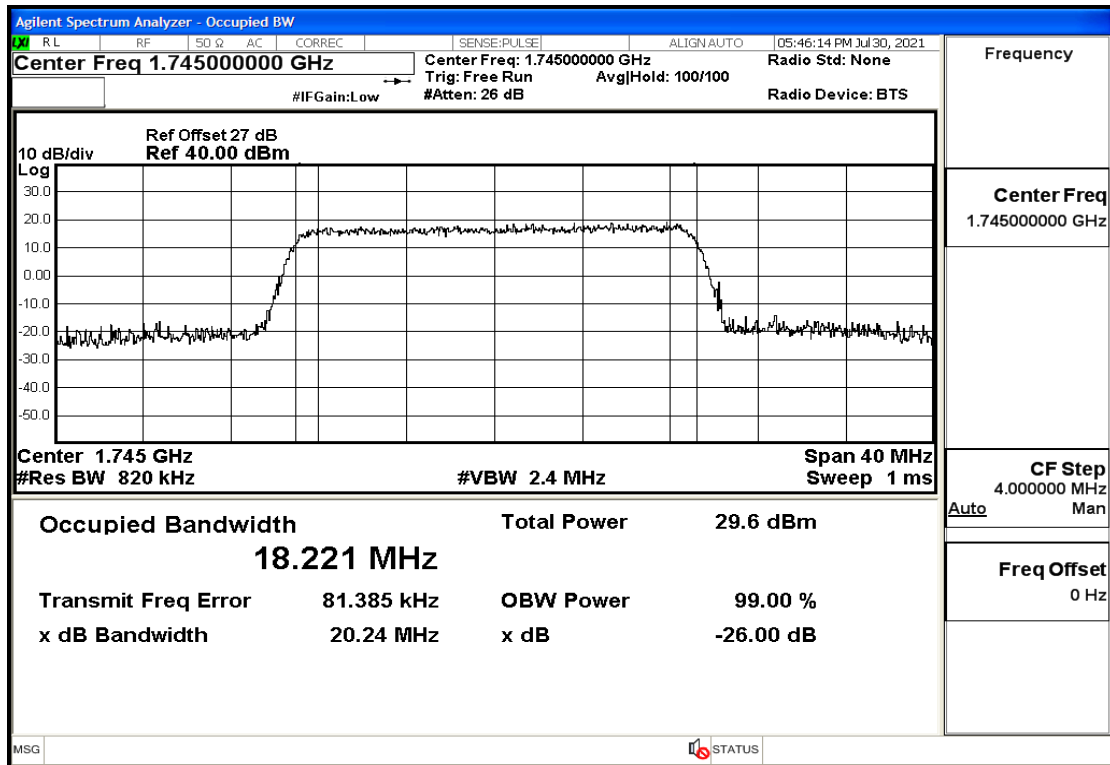
Band4-20-1732.5-QPSK-100#LOW@26dB and 99PCT Bandwidth



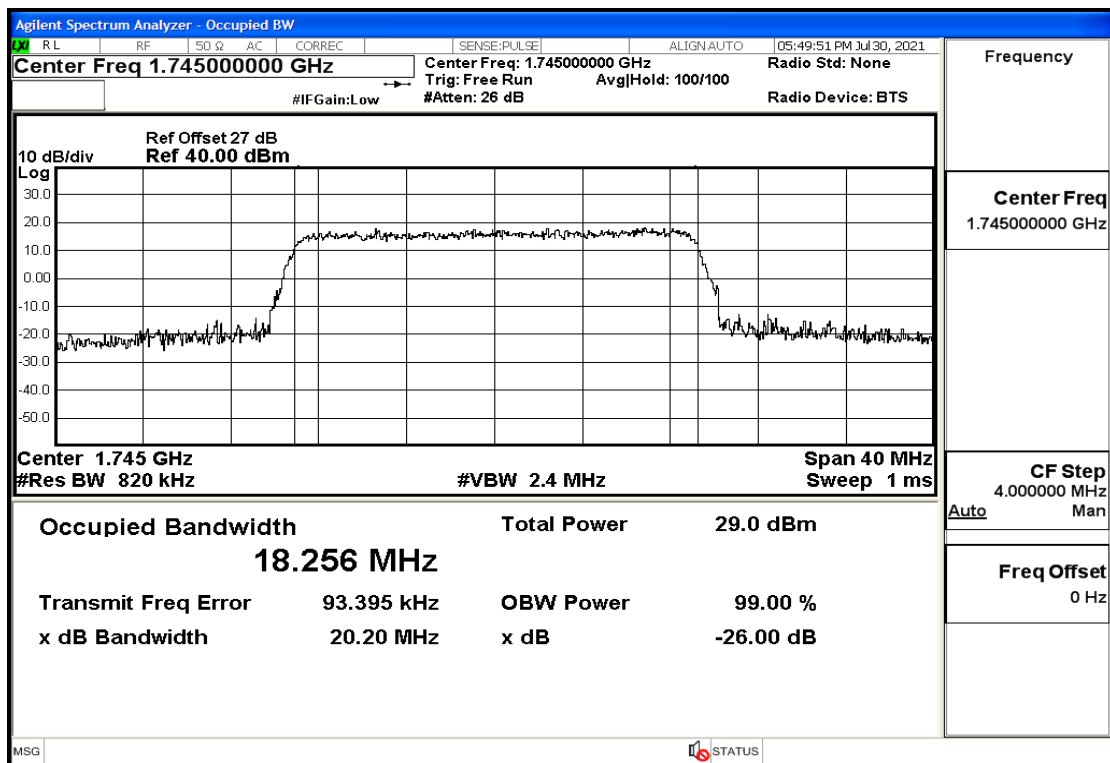
Band4-20-1732.5-16QAM-100#LOW@26dB and 99PCT Bandwidth



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	0.0672	PASS
40	Normal Voltage	0.0374	
30	Normal Voltage	0.0171	
20(Ref.)	Normal Voltage	0.0254	
10	Normal Voltage	0.0666	
0	Normal Voltage	0.0184	
-10	Normal Voltage	0.0480	
-20	Normal Voltage	0.0357	
-30	Normal Voltage	0.0174	
20	Maximum Voltage	0.0176	
20	Normal Voltage	0.0300	
20	Battery End Point	0.0685	

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	21.28	27.01	5.73	13	0.53	21.81	30	Pass
Band4	1.4	1710.7	QPSK	3	LOW	22.37	27.26	4.89	13	0.53	22.9	30	Pass
Band4	1.4	1710.7	QPSK	3	MID	22.34	27.19	4.85	13	0.53	22.87	30	Pass
Band4	1.4	1710.7	QPSK	3	HIGH	22.32	27.11	4.79	13	0.53	22.85	30	Pass
Band4	1.4	1710.7	QPSK	1	LOW	22.52	26.86	4.34	13	0.53	23.05	30	Pass
Band4	1.4	1710.7	QPSK	1	MID	22.54	26.74	4.2	13	0.53	23.07	30	Pass
Band4	1.4	1710.7	QPSK	1	HIGH	22.36	26.77	4.41	13	0.53	22.89	30	Pass
Band4	1.4	1710.7	16QAM	6	LOW	20.61	27.27	6.66	13	0.53	21.14	30	Pass
Band4	1.4	1710.7	16QAM	3	LOW	21.59	26.85	5.26	13	0.53	22.12	30	Pass
Band4	1.4	1710.7	16QAM	3	MID	21.58	26.75	5.17	13	0.53	22.11	30	Pass
Band4	1.4	1710.7	16QAM	3	HIGH	21.6	26.88	5.28	13	0.53	22.13	30	Pass
Band4	1.4	1710.7	16QAM	1	LOW	22.18	26.77	4.59	13	0.53	22.71	30	Pass
Band4	1.4	1710.7	16QAM	1	MID	22.16	26.72	4.56	13	0.53	22.69	30	Pass
Band4	1.4	1710.7	16QAM	1	HIGH	22.2	26.75	4.55	13	0.53	22.73	30	Pass
Band4	1.4	1732.5	QPSK	6	LOW	20.99	26.64	5.65	13	0.53	21.52	30	Pass
Band4	1.4	1732.5	QPSK	3	LOW	22.06	27.15	5.09	13	0.53	22.59	30	Pass
Band4	1.4	1732.5	QPSK	3	MID	22.03	27.11	5.08	13	0.53	22.56	30	Pass
Band4	1.4	1732.5	QPSK	3	HIGH	22.01	27.13	5.12	13	0.53	22.54	30	Pass
Band4	1.4	1732.5	QPSK	1	LOW	22.12	26.84	4.72	13	0.53	22.65	30	Pass
Band4	1.4	1732.5	QPSK	1	MID	22.09	26.81	4.72	13	0.53	22.62	30	Pass
Band4	1.4	1732.5	QPSK	1	HIGH	22.16	26.89	4.73	13	0.53	22.69	30	Pass
Band4	1.4	1732.5	16QAM	6	LOW	20.29	26.95	6.66	13	0.53	20.82	30	Pass
Band4	1.4	1732.5	16QAM	3	LOW	21.4	27.27	5.87	13	0.53	21.93	30	Pass
Band4	1.4	1732.5	16QAM	3	MID	21.39	27.24	5.85	13	0.53	21.92	30	Pass
Band4	1.4	1732.5	16QAM	3	HIGH	21.38	27.34	5.96	13	0.53	21.91	30	Pass
Band4	1.4	1732.5	16QAM	1	LOW	21.39	26.12	4.73	13	0.53	21.92	30	Pass
Band4	1.4	1732.5	16QAM	1	MID	21.38	26.04	4.66	13	0.53	21.91	30	Pass
Band4	1.4	1732.5	16QAM	1	HIGH	21.37	26.05	4.68	13	0.53	21.9	30	Pass
Band4	1.4	1754.3	QPSK	6	LOW	21	26.97	5.97	13	0.53	21.53	30	Pass
Band4	1.4	1754.3	QPSK	3	LOW	22.32	27.09	4.77	13	0.53	22.85	30	Pass
Band4	1.4	1754.3	QPSK	3	MID	22.2	27.02	4.82	13	0.53	22.73	30	Pass
Band4	1.4	1754.3	QPSK	3	HIGH	22.2	27	4.8	13	0.53	22.73	30	Pass
Band4	1.4	1754.3	QPSK	1	LOW	22.3	26.68	4.38	13	0.53	22.83	30	Pass
Band4	1.4	1754.3	QPSK	1	MID	22.27	26.66	4.39	13	0.53	22.8	30	Pass
Band4	1.4	1754.3	QPSK	1	HIGH	22.31	26.65	4.34	13	0.53	22.84	30	Pass
Band4	1.4	1754.3	16QAM	6	LOW	20.22	26.85	6.63	13	0.53	20.75	30	Pass
Band4	1.4	1754.3	16QAM	3	LOW	21.32	26.54	5.22	13	0.53	21.85	30	Pass
Band4	1.4	1754.3	16QAM	3	MID	21.31	26.53	5.22	13	0.53	21.84	30	Pass
Band4	1.4	1754.3	16QAM	3	HIGH	21.33	26.65	5.32	13	0.53	21.86	30	Pass
Band4	1.4	1754.3	16QAM	1	LOW	22.25	26.59	4.34	13	0.53	22.78	30	Pass

Band4	1.4	1754.3	16QAM	1	MID	22.13	26.57	4.44	13	0.53	22.66	30	Pass
Band4	1.4	1754.3	16QAM	1	HIGH	22.17	26.58	4.41	13	0.53	22.7	30	Pass
Band4	3	1711.5	QPSK	15	LOW	21.4	26.87	5.47	13	0.53	21.93	30	Pass
Band4	3	1711.5	QPSK	8	LOW	21.31	26.7	5.39	13	0.53	21.84	30	Pass
Band4	3	1711.5	QPSK	8	MID	21.31	26.72	5.41	13	0.53	21.84	30	Pass
Band4	3	1711.5	QPSK	8	HIGH	21.33	26.77	5.44	13	0.53	21.86	30	Pass
Band4	3	1711.5	QPSK	1	LOW	22.27	26.47	4.2	13	0.53	22.8	30	Pass
Band4	3	1711.5	QPSK	1	MID	22.3	26.48	4.18	13	0.53	22.83	30	Pass
Band4	3	1711.5	QPSK	1	HIGH	22.16	26.4	4.24	13	0.53	22.69	30	Pass
Band4	3	1711.5	16QAM	15	LOW	20.54	26.73	6.19	13	0.53	21.07	30	Pass
Band4	3	1711.5	16QAM	8	LOW	20.81	27.02	6.21	13	0.53	21.34	30	Pass
Band4	3	1711.5	16QAM	8	MID	20.81	27.07	6.26	13	0.53	21.34	30	Pass
Band4	3	1711.5	16QAM	8	HIGH	20.85	26.95	6.1	13	0.53	21.38	30	Pass
Band4	3	1711.5	16QAM	1	LOW	21.99	26.91	4.92	13	0.53	22.52	30	Pass
Band4	3	1711.5	16QAM	1	MID	21.97	26.95	4.98	13	0.53	22.5	30	Pass
Band4	3	1711.5	16QAM	1	HIGH	21.91	26.93	5.02	13	0.53	22.44	30	Pass
Band4	3	1732.5	QPSK	15	LOW	21.11	27.08	5.97	13	0.53	21.64	30	Pass
Band4	3	1732.5	QPSK	8	LOW	21.04	26.87	5.83	13	0.53	21.57	30	Pass
Band4	3	1732.5	QPSK	8	MID	21.03	26.98	5.95	13	0.53	21.56	30	Pass
Band4	3	1732.5	QPSK	8	HIGH	21.03	26.81	5.78	13	0.53	21.56	30	Pass
Band4	3	1732.5	QPSK	1	LOW	22.14	26.92	4.78	13	0.53	22.67	30	Pass
Band4	3	1732.5	QPSK	1	MID	22.26	27	4.74	13	0.53	22.79	30	Pass
Band4	3	1732.5	QPSK	1	HIGH	22.06	26.87	4.81	13	0.53	22.59	30	Pass
Band4	3	1732.5	16QAM	15	LOW	20.26	26.77	6.51	13	0.53	20.79	30	Pass
Band4	3	1732.5	16QAM	8	LOW	20.37	26.69	6.32	13	0.53	20.9	30	Pass
Band4	3	1732.5	16QAM	8	MID	20.39	26.58	6.19	13	0.53	20.92	30	Pass
Band4	3	1732.5	16QAM	8	HIGH	20.33	26.78	6.45	13	0.53	20.86	30	Pass
Band4	3	1732.5	16QAM	1	LOW	21.95	27.01	5.06	13	0.53	22.48	30	Pass
Band4	3	1732.5	16QAM	1	MID	21.94	26.9	4.96	13	0.53	22.47	30	Pass
Band4	3	1732.5	16QAM	1	HIGH	21.97	26.47	4.5	13	0.53	22.5	30	Pass
Band4	3	1753.5	QPSK	15	LOW	20.89	27.63	6.74	13	0.53	21.42	30	Pass
Band4	3	1753.5	QPSK	8	LOW	21.03	26.67	5.64	13	0.53	21.56	30	Pass
Band4	3	1753.5	QPSK	8	MID	21.03	26.63	5.6	13	0.53	21.56	30	Pass
Band4	3	1753.5	QPSK	8	HIGH	21.04	26.78	5.74	13	0.53	21.57	30	Pass
Band4	3	1753.5	QPSK	1	LOW	22.28	26.55	4.27	13	0.53	22.81	30	Pass
Band4	3	1753.5	QPSK	1	MID	22.26	26.48	4.22	13	0.53	22.79	30	Pass
Band4	3	1753.5	QPSK	1	HIGH	22.26	26.48	4.22	13	0.53	22.79	30	Pass
Band4	3	1753.5	16QAM	15	LOW	20.37	26.87	6.5	13	0.53	20.9	30	Pass
Band4	3	1753.5	16QAM	8	LOW	20.34	26.22	5.88	13	0.53	20.87	30	Pass
Band4	3	1753.5	16QAM	8	MID	20.34	26.54	6.2	13	0.53	20.87	30	Pass
Band4	3	1753.5	16QAM	8	HIGH	20.47	26.47	6	13	0.53	21	30	Pass
Band4	3	1753.5	16QAM	1	LOW	21.42	26.02	4.6	13	0.53	21.95	30	Pass
Band4	3	1753.5	16QAM	1	MID	21.33	25.94	4.61	13	0.53	21.86	30	Pass
Band4	3	1753.5	16QAM	1	HIGH	21.35	25.94	4.59	13	0.53	21.88	30	Pass
Band4	5	1712.5	QPSK	25	LOW	21.35	27.17	5.82	13	0.53	21.88	30	Pass
Band4	5	1712.5	QPSK	12	LOW	21.24	26.73	5.49	13	0.53	21.77	30	Pass

Band4	5	1712.5	QPSK	12	MID	21.37	26.6	5.23	13	0.53	21.9	30	Pass
Band4	5	1712.5	QPSK	12	HIGH	21.34	26.69	5.35	13	0.53	21.87	30	Pass
Band4	5	1712.5	QPSK	1	LOW	22.34	26.92	4.58	13	0.53	22.87	30	Pass
Band4	5	1712.5	QPSK	1	MID	22.28	26.89	4.61	13	0.53	22.81	30	Pass
Band4	5	1712.5	QPSK	1	HIGH	22.34	26.7	4.36	13	0.53	22.87	30	Pass
Band4	5	1712.5	16QAM	25	LOW	20.48	27.51	7.03	13	0.53	21.01	30	Pass
Band4	5	1712.5	16QAM	12	LOW	20.59	27.15	6.56	13	0.53	21.12	30	Pass
Band4	5	1712.5	16QAM	12	MID	20.56	27.02	6.46	13	0.53	21.09	30	Pass
Band4	5	1712.5	16QAM	12	HIGH	20.56	27.11	6.55	13	0.53	21.09	30	Pass
Band4	5	1712.5	16QAM	1	LOW	20.83	26.12	5.29	13	0.53	21.36	30	Pass
Band4	5	1712.5	16QAM	1	MID	20.87	26.16	5.29	13	0.53	21.4	30	Pass
Band4	5	1712.5	16QAM	1	HIGH	20.79	26.08	5.29	13	0.53	21.32	30	Pass
Band4	5	1732.5	QPSK	25	LOW	21.03	27.07	6.04	13	0.53	21.56	30	Pass
Band4	5	1732.5	QPSK	12	LOW	21.07	27.24	6.17	13	0.53	21.6	30	Pass
Band4	5	1732.5	QPSK	12	MID	21.07	27.21	6.14	13	0.53	21.6	30	Pass
Band4	5	1732.5	QPSK	12	HIGH	21.04	27.29	6.25	13	0.53	21.57	30	Pass
Band4	5	1732.5	QPSK	1	LOW	22.17	27.25	5.08	13	0.53	22.7	30	Pass
Band4	5	1732.5	QPSK	1	MID	22.14	27.04	4.9	13	0.53	22.67	30	Pass
Band4	5	1732.5	QPSK	1	HIGH	22.21	26.93	4.72	13	0.53	22.74	30	Pass
Band4	5	1732.5	16QAM	25	LOW	20.21	27.64	7.43	13	0.53	20.74	30	Pass
Band4	5	1732.5	16QAM	12	LOW	20.31	26.88	6.57	13	0.53	20.84	30	Pass
Band4	5	1732.5	16QAM	12	MID	20.33	26.77	6.44	13	0.53	20.86	30	Pass
Band4	5	1732.5	16QAM	12	HIGH	20.3	26.84	6.54	13	0.53	20.83	30	Pass
Band4	5	1732.5	16QAM	1	LOW	21.48	26.87	5.39	13	0.53	22.01	30	Pass
Band4	5	1732.5	16QAM	1	MID	21.41	26.77	5.36	13	0.53	21.94	30	Pass
Band4	5	1732.5	16QAM	1	HIGH	21.42	26.78	5.36	13	0.53	21.95	30	Pass
Band4	5	1752.5	QPSK	25	LOW	21.02	26.88	5.86	13	0.53	21.55	30	Pass
Band4	5	1752.5	QPSK	12	LOW	21.07	26.39	5.32	13	0.53	21.6	30	Pass
Band4	5	1752.5	QPSK	12	MID	21.07	26.54	5.47	13	0.53	21.6	30	Pass
Band4	5	1752.5	QPSK	12	HIGH	21.1	26.47	5.37	13	0.53	21.63	30	Pass
Band4	5	1752.5	QPSK	1	LOW	22.01	26.64	4.63	13	0.53	22.54	30	Pass
Band4	5	1752.5	QPSK	1	MID	22	26.59	4.59	13	0.53	22.53	30	Pass
Band4	5	1752.5	QPSK	1	HIGH	21.95	26.54	4.59	13	0.53	22.48	30	Pass
Band4	5	1752.5	16QAM	25	LOW	20.2	27.47	7.27	13	0.53	20.73	30	Pass
Band4	5	1752.5	16QAM	12	LOW	20.24	26.54	6.3	13	0.53	20.77	30	Pass
Band4	5	1752.5	16QAM	12	MID	20.12	26.55	6.43	13	0.53	20.65	30	Pass
Band4	5	1752.5	16QAM	12	HIGH	20.17	26.43	6.26	13	0.53	20.7	30	Pass
Band4	5	1752.5	16QAM	1	LOW	20.75	26.48	5.73	13	0.53	21.28	30	Pass
Band4	5	1752.5	16QAM	1	MID	20.79	26.45	5.66	13	0.53	21.32	30	Pass
Band4	5	1752.5	16QAM	1	HIGH	20.77	26.4	5.63	13	0.53	21.3	30	Pass
Band4	10	1715	QPSK	50	LOW	21.29	27.16	5.87	13	0.53	21.82	30	Pass
Band4	10	1715	QPSK	25	LOW	21.35	26.93	5.58	13	0.53	21.88	30	Pass
Band4	10	1715	QPSK	25	MID	21.34	26.93	5.59	13	0.53	21.87	30	Pass
Band4	10	1715	QPSK	25	HIGH	21.15	26.9	5.75	13	0.53	21.68	30	Pass
Band4	10	1715	QPSK	1	LOW	22.27	26.52	4.25	13	0.53	22.8	30	Pass
Band4	10	1715	QPSK	1	MID	22.14	26.53	4.39	13	0.53	22.67	30	Pass

Band4	10	1715	QPSK	1	HIGH	22.11	26.53	4.42	13	0.53	22.64	30	Pass
Band4	10	1715	16QAM	50	LOW	20.39	27.53	7.14	13	0.53	20.92	30	Pass
Band4	10	1715	16QAM	25	LOW	20.44	27	6.56	13	0.53	20.97	30	Pass
Band4	10	1715	16QAM	25	MID	20.45	26.95	6.5	13	0.53	20.98	30	Pass
Band4	10	1715	16QAM	25	HIGH	20.54	26.97	6.43	13	0.53	21.07	30	Pass
Band4	10	1715	16QAM	1	LOW	21.73	26.92	5.19	13	0.53	22.26	30	Pass
Band4	10	1715	16QAM	1	MID	21.7	26.73	5.03	13	0.53	22.23	30	Pass
Band4	10	1715	16QAM	1	HIGH	21.7	27.04	5.34	13	0.53	22.23	30	Pass
Band4	10	1732.5	QPSK	50	LOW	21.04	27.29	6.25	13	0.53	21.57	30	Pass
Band4	10	1732.5	QPSK	25	LOW	20.99	27.03	6.04	13	0.53	21.52	30	Pass
Band4	10	1732.5	QPSK	25	MID	20.99	26.97	5.98	13	0.53	21.52	30	Pass
Band4	10	1732.5	QPSK	25	HIGH	20.99	27.07	6.08	13	0.53	21.52	30	Pass
Band4	10	1732.5	QPSK	1	LOW	22.24	26.98	4.74	13	0.53	22.77	30	Pass
Band4	10	1732.5	QPSK	1	MID	22.24	26.95	4.71	13	0.53	22.77	30	Pass
Band4	10	1732.5	QPSK	1	HIGH	22.22	26.99	4.77	13	0.53	22.75	30	Pass
Band4	10	1732.5	16QAM	50	LOW	20.3	27.17	6.87	13	0.53	20.83	30	Pass
Band4	10	1732.5	16QAM	25	LOW	20.5	27.54	7.04	13	0.53	21.03	30	Pass
Band4	10	1732.5	16QAM	25	MID	20.39	27.48	7.09	13	0.53	20.92	30	Pass
Band4	10	1732.5	16QAM	25	HIGH	20.43	27.49	7.06	13	0.53	20.96	30	Pass
Band4	10	1732.5	16QAM	1	LOW	21.5	27.09	5.59	13	0.53	22.03	30	Pass
Band4	10	1732.5	16QAM	1	MID	21.42	26.16	4.74	13	0.53	21.95	30	Pass
Band4	10	1732.5	16QAM	1	HIGH	21.44	26.54	5.1	13	0.53	21.97	30	Pass
Band4	10	1750	QPSK	50	LOW	20.93	26.59	5.66	13	0.53	21.46	30	Pass
Band4	10	1750	QPSK	25	LOW	21.04	27.23	6.19	13	0.53	21.57	30	Pass
Band4	10	1750	QPSK	25	MID	21.04	27.22	6.18	13	0.53	21.57	30	Pass
Band4	10	1750	QPSK	25	HIGH	21.04	27.15	6.11	13	0.53	21.57	30	Pass
Band4	10	1750	QPSK	1	LOW	22.32	26.74	4.42	13	0.53	22.85	30	Pass
Band4	10	1750	QPSK	1	MID	22.32	26.6	4.28	13	0.53	22.85	30	Pass
Band4	10	1750	QPSK	1	HIGH	22.3	26.52	4.22	13	0.53	22.83	30	Pass
Band4	10	1750	16QAM	50	LOW	20.43	27.41	6.98	13	0.53	20.96	30	Pass
Band4	10	1750	16QAM	25	LOW	20.32	26.95	6.63	13	0.53	20.85	30	Pass
Band4	10	1750	16QAM	25	MID	20.33	26.94	6.61	13	0.53	20.86	30	Pass
Band4	10	1750	16QAM	25	HIGH	20.35	26.95	6.6	13	0.53	20.88	30	Pass
Band4	10	1750	16QAM	1	LOW	20.96	25.86	4.9	13	0.53	21.49	30	Pass
Band4	10	1750	16QAM	1	MID	20.85	25.71	4.86	13	0.53	21.38	30	Pass
Band4	10	1750	16QAM	1	HIGH	20.89	25.71	4.82	13	0.53	21.42	30	Pass
Band4	15	1717.5	QPSK	75	LOW	21.27	27.75	6.48	13	0.53	21.8	30	Pass
Band4	15	1717.5	QPSK	38	LOW	21.21	27.77	6.56	13	0.53	21.74	30	Pass
Band4	15	1717.5	QPSK	38	MID	21.21	27.77	6.56	13	0.53	21.74	30	Pass
Band4	15	1717.5	QPSK	38	HIGH	21.21	27.67	6.46	13	0.53	21.74	30	Pass
Band4	15	1717.5	QPSK	1	LOW	22.23	26.58	4.35	13	0.53	22.76	30	Pass
Band4	15	1717.5	QPSK	1	MID	22.21	26.47	4.26	13	0.53	22.74	30	Pass
Band4	15	1717.5	QPSK	1	HIGH	22.09	26.69	4.6	13	0.53	22.62	30	Pass
Band4	15	1717.5	16QAM	75	LOW	20.45	27.37	6.92	13	0.53	20.98	30	Pass
Band4	15	1717.5	16QAM	38	LOW	20.48	27.4	6.92	13	0.53	21.01	30	Pass
Band4	15	1717.5	16QAM	38	MID	20.49	27.41	6.92	13	0.53	21.02	30	Pass

Band4	15	1717.5	16QAM	38	HIGH	20.5	27.41	6.91	13	0.53	21.03	30	Pass
Band4	15	1717.5	16QAM	1	LOW	21.8	27.01	5.21	13	0.53	22.33	30	Pass
Band4	15	1717.5	16QAM	1	MID	21.7	26.9	5.2	13	0.53	22.23	30	Pass
Band4	15	1717.5	16QAM	1	HIGH	21.55	27.19	5.64	13	0.53	22.08	30	Pass
Band4	15	1732.5	QPSK	75	LOW	21.12	27.78	6.66	13	0.53	21.65	30	Pass
Band4	15	1732.5	QPSK	38	LOW	21.03	27.66	6.63	13	0.53	21.56	30	Pass
Band4	15	1732.5	QPSK	38	MID	21.03	27.73	6.7	13	0.53	21.56	30	Pass
Band4	15	1732.5	QPSK	38	HIGH	21.03	27.68	6.65	13	0.53	21.56	30	Pass
Band4	15	1732.5	QPSK	1	LOW	22.19	27.03	4.84	13	0.53	22.72	30	Pass
Band4	15	1732.5	QPSK	1	MID	22.23	26.99	4.76	13	0.53	22.76	30	Pass
Band4	15	1732.5	QPSK	1	HIGH	22.21	26.92	4.71	13	0.53	22.74	30	Pass
Band4	15	1732.5	16QAM	75	LOW	20.21	27.51	7.3	13	0.53	20.74	30	Pass
Band4	15	1732.5	16QAM	38	LOW	20.31	27.58	7.27	13	0.53	20.84	30	Pass
Band4	15	1732.5	16QAM	38	MID	20.32	27.53	7.21	13	0.53	20.85	30	Pass
Band4	15	1732.5	16QAM	38	HIGH	20.34	27.58	7.24	13	0.53	20.87	30	Pass
Band4	15	1732.5	16QAM	1	LOW	21.38	27.19	5.81	13	0.53	21.91	30	Pass
Band4	15	1732.5	16QAM	1	MID	21.42	26.09	4.67	13	0.53	21.95	30	Pass
Band4	15	1732.5	16QAM	1	HIGH	21.39	26.31	4.92	13	0.53	21.92	30	Pass
Band4	15	1747.5	QPSK	75	LOW	21.19	27.36	6.17	13	0.53	21.72	30	Pass
Band4	15	1747.5	QPSK	38	LOW	21.11	27.36	6.25	13	0.53	21.64	30	Pass
Band4	15	1747.5	QPSK	38	MID	21.11	27.56	6.45	13	0.53	21.64	30	Pass
Band4	15	1747.5	QPSK	38	HIGH	21.11	27.47	6.36	13	0.53	21.64	30	Pass
Band4	15	1747.5	QPSK	1	LOW	22.25	27.1	4.85	13	0.53	22.78	30	Pass
Band4	15	1747.5	QPSK	1	MID	22.25	26.51	4.26	13	0.53	22.78	30	Pass
Band4	15	1747.5	QPSK	1	HIGH	22.28	26.46	4.18	13	0.53	22.81	30	Pass
Band4	15	1747.5	16QAM	75	LOW	20.34	27.36	7.02	13	0.53	20.87	30	Pass
Band4	15	1747.5	16QAM	38	LOW	20.26	27.29	7.03	13	0.53	20.79	30	Pass
Band4	15	1747.5	16QAM	38	MID	20.27	27.27	7	13	0.53	20.8	30	Pass
Band4	15	1747.5	16QAM	38	HIGH	20.28	27.37	7.09	13	0.53	20.81	30	Pass
Band4	15	1747.5	16QAM	1	LOW	21.75	27.18	5.43	13	0.53	22.28	30	Pass
Band4	15	1747.5	16QAM	1	MID	21.74	26.22	4.48	13	0.53	22.27	30	Pass
Band4	15	1747.5	16QAM	1	HIGH	21.66	26.8	5.14	13	0.53	22.19	30	Pass
Band4	20	1720	QPSK	100	LOW	21.23	27.35	6.12	13	0.53	21.76	30	Pass
Band4	20	1720	QPSK	50	LOW	21.26	27.03	5.77	13	0.53	21.79	30	Pass
Band4	20	1720	QPSK	50	MID	21.26	26.99	5.73	13	0.53	21.79	30	Pass
Band4	20	1720	QPSK	50	HIGH	21.12	27.2	6.08	13	0.53	21.65	30	Pass
Band4	20	1720	QPSK	1	LOW	22.52	26.77	4.25	13	0.53	23.05	30	Pass
Band4	20	1720	QPSK	1	MID	22.35	26.85	4.5	13	0.53	22.88	30	Pass
Band4	20	1720	QPSK	1	HIGH	22.43	27.15	4.72	13	0.53	22.96	30	Pass
Band4	20	1720	16QAM	100	LOW	20.31	27.94	7.63	13	0.53	20.84	30	Pass
Band4	20	1720	16QAM	50	LOW	20.5	27.48	6.98	13	0.53	21.03	30	Pass
Band4	20	1720	16QAM	50	MID	20.51	27.47	6.96	13	0.53	21.04	30	Pass
Band4	20	1720	16QAM	50	HIGH	20.38	27.6	7.22	13	0.53	20.91	30	Pass
Band4	20	1720	16QAM	1	LOW	21.58	27.46	5.88	13	0.53	22.11	30	Pass
Band4	20	1720	16QAM	1	MID	21.42	26.68	5.26	13	0.53	21.95	30	Pass
Band4	20	1720	16QAM	1	HIGH	21.3	27.63	6.33	13	0.53	21.83	30	Pass

Band4	20	1732.5	QPSK	100	LOW	21.15	27.59	6.44	13	0.53	21.68	30	Pass
Band4	20	1732.5	QPSK	50	LOW	21.12	27.22	6.1	13	0.53	21.65	30	Pass
Band4	20	1732.5	QPSK	50	MID	21.12	27.14	6.02	13	0.53	21.65	30	Pass
Band4	20	1732.5	QPSK	50	HIGH	21.07	27.08	6.01	13	0.53	21.6	30	Pass
Band4	20	1732.5	QPSK	1	LOW	22.31	27.86	5.55	13	0.53	22.84	30	Pass
Band4	20	1732.5	QPSK	1	MID	22.35	26.87	4.52	13	0.53	22.88	30	Pass
Band4	20	1732.5	QPSK	1	HIGH	22.23	27.62	5.39	13	0.53	22.76	30	Pass
Band4	20	1732.5	16QAM	100	LOW	20.14	27.47	7.33	13	0.53	20.67	30	Pass
Band4	20	1732.5	16QAM	50	LOW	20.46	27.37	6.91	13	0.53	20.99	30	Pass
Band4	20	1732.5	16QAM	50	MID	20.47	27.4	6.93	13	0.53	21	30	Pass
Band4	20	1732.5	16QAM	50	HIGH	20.3	27.38	7.08	13	0.53	20.83	30	Pass
Band4	20	1732.5	16QAM	1	LOW	21.48	27.18	5.7	13	0.53	22.01	30	Pass
Band4	20	1732.5	16QAM	1	MID	21.33	27.21	5.88	13	0.53	21.86	30	Pass
Band4	20	1732.5	16QAM	1	HIGH	21.44	27.18	5.74	13	0.53	21.97	30	Pass
Band4	20	1745	QPSK	100	LOW	20.98	27.46	6.48	13	0.53	21.51	30	Pass
Band4	20	1745	QPSK	50	LOW	21	27.13	6.13	13	0.53	21.53	30	Pass
Band4	20	1745	QPSK	50	MID	21.11	27.13	6.02	13	0.53	21.64	30	Pass
Band4	20	1745	QPSK	50	HIGH	21.05	26.94	5.89	13	0.53	21.58	30	Pass
Band4	20	1745	QPSK	1	LOW	22.28	27.74	5.46	13	0.53	22.81	30	Pass
Band4	20	1745	QPSK	1	MID	22.23	26.84	4.61	13	0.53	22.76	30	Pass
Band4	20	1745	QPSK	1	HIGH	22.23	26.7	4.47	13	0.53	22.76	30	Pass
Band4	20	1745	16QAM	100	LOW	20.35	27.45	7.1	13	0.53	20.88	30	Pass
Band4	20	1745	16QAM	50	LOW	20.15	27.21	7.06	13	0.53	20.68	30	Pass
Band4	20	1745	16QAM	50	MID	20.15	27.2	7.05	13	0.53	20.68	30	Pass
Band4	20	1745	16QAM	50	HIGH	20.18	27.05	6.87	13	0.53	20.71	30	Pass
Band4	20	1745	16QAM	1	LOW	21.84	27.46	5.62	13	0.53	22.37	30	Pass
Band4	20	1745	16QAM	1	MID	21.65	26.69	5.04	13	0.53	22.18	30	Pass
Band4	20	1745	16QAM	1	HIGH	21.78	27.33	5.55	13	0.53	22.31	30	Pass