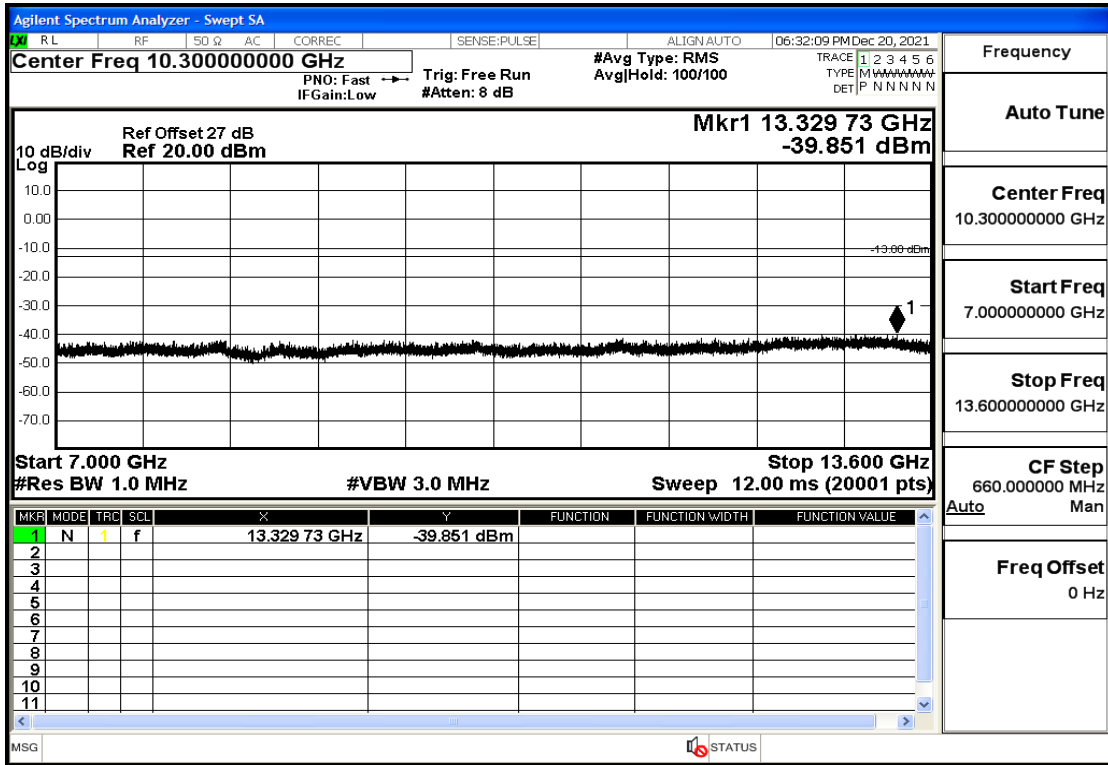
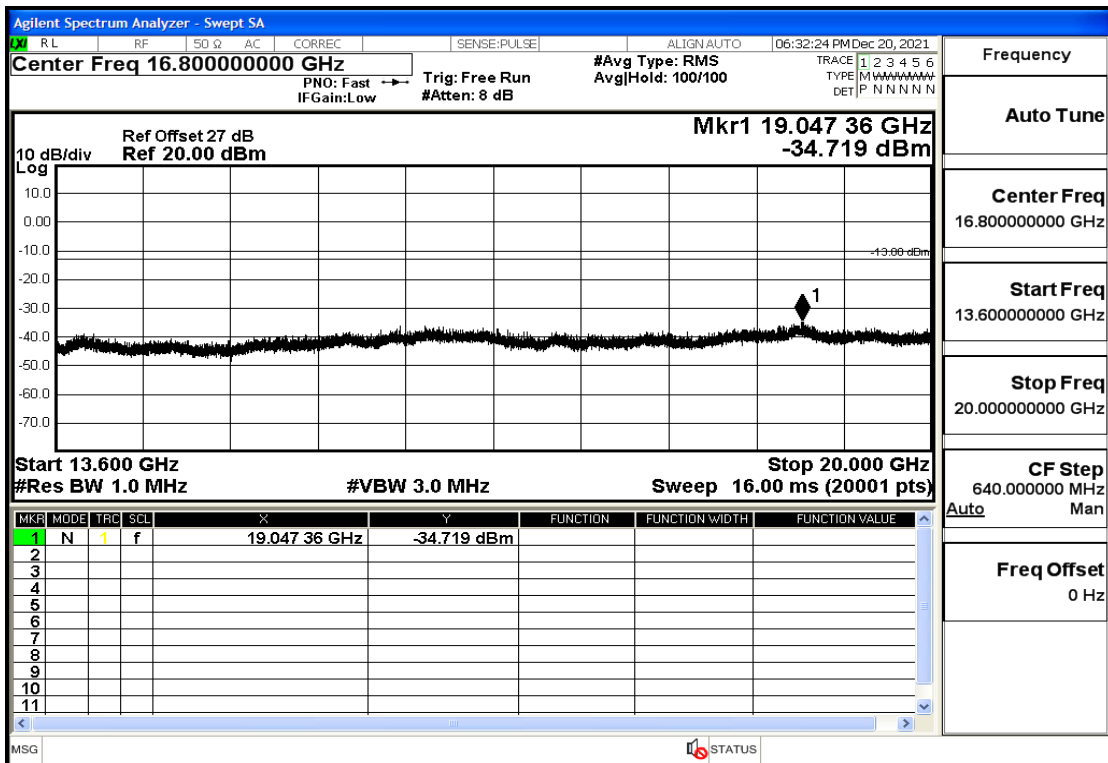


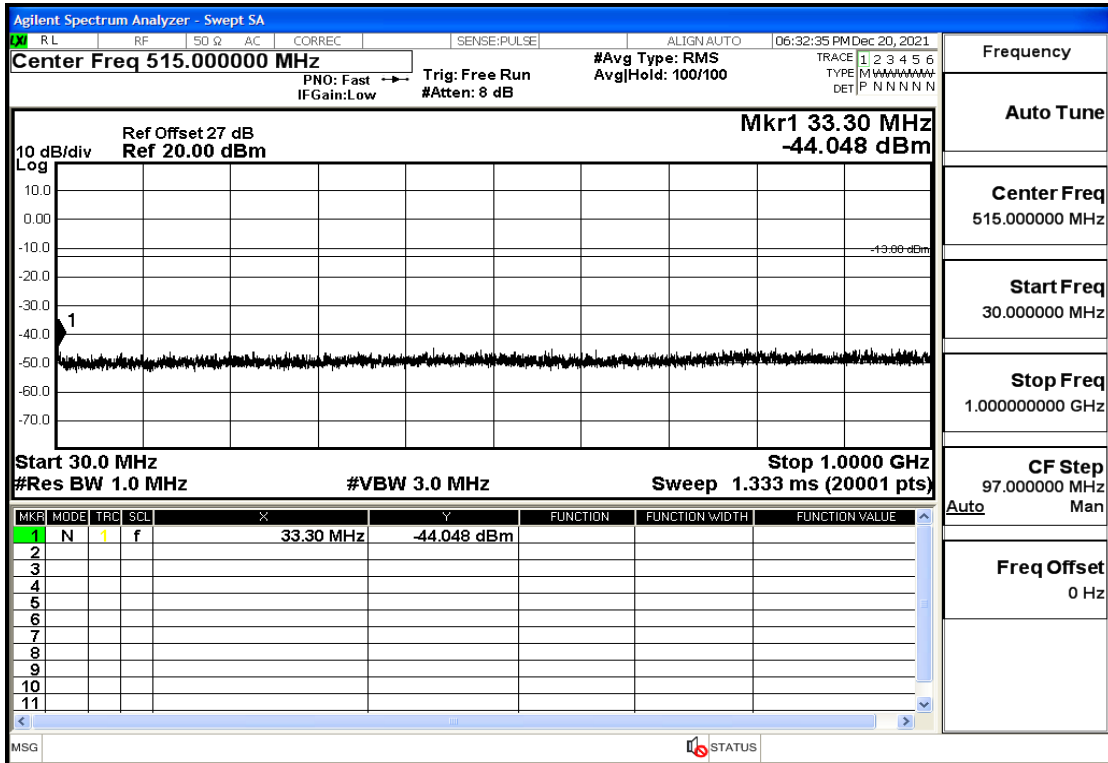
OB4-1.4-1710.7-Q16-6#LOW@7GHz-13.6GHz@Pass



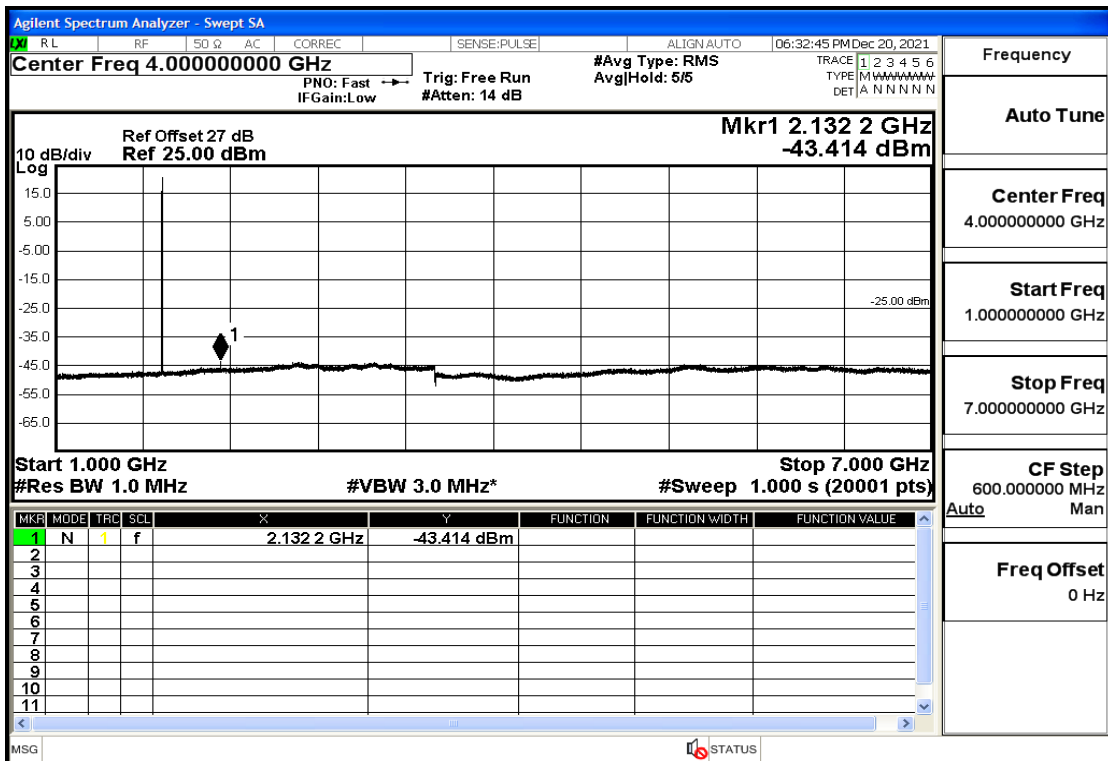
OB4-1.4-1710.7-Q16-6#LOW@13.6GHz-20GHz@Pass



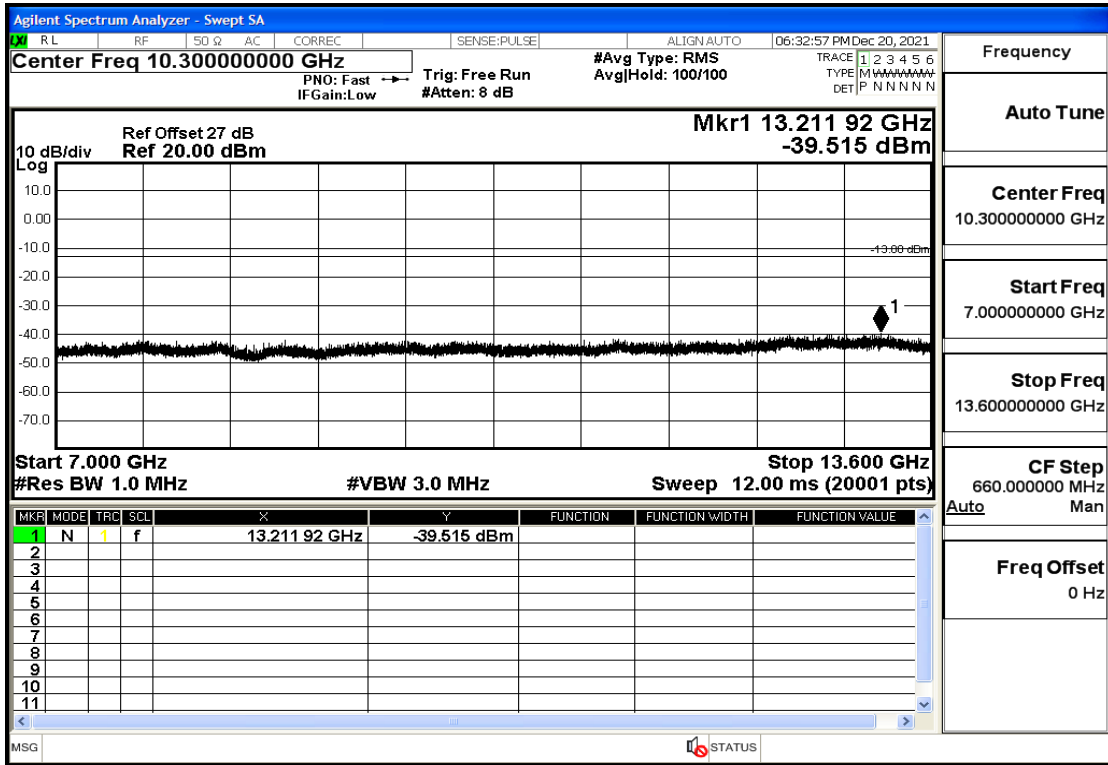
OB4-1.4-1732.5-Q16-6#LOW@30mHz-1GHz@Pass



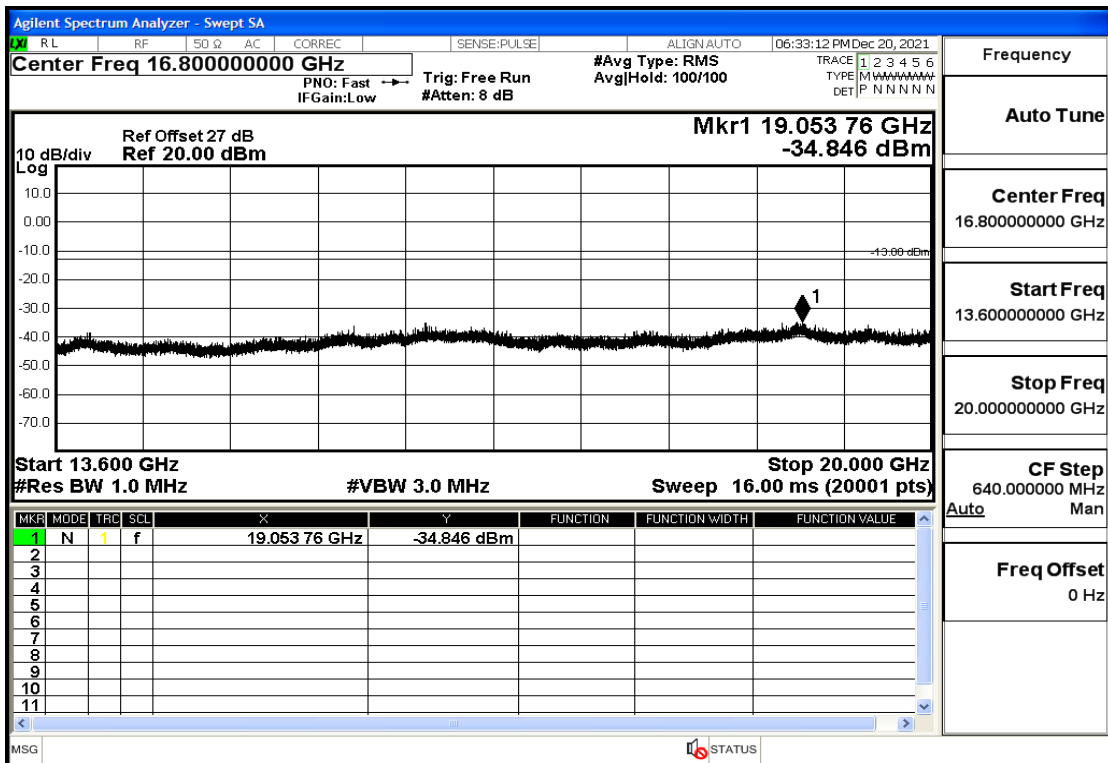
OB4-1.4-1732.5-Q16-6#LOW@1GHz-7GHz@Pass



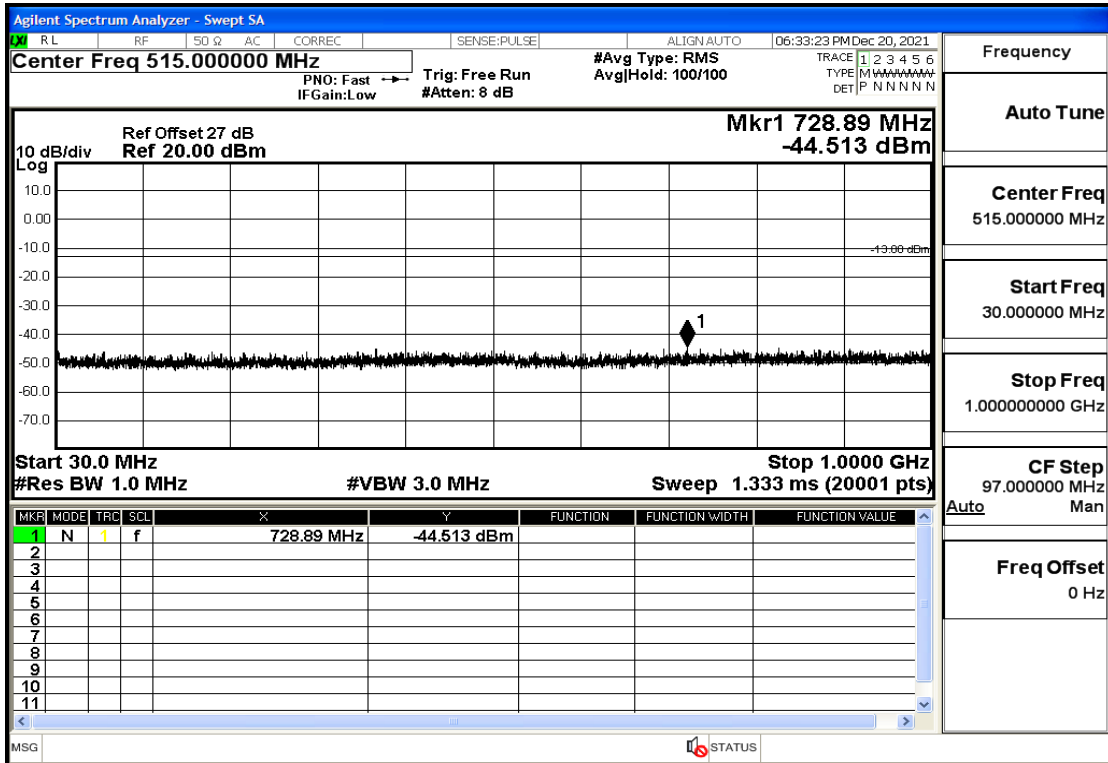
OB4-1.4-1732.5-Q16-6#LOW@7GHz-13.6GHz@Pass



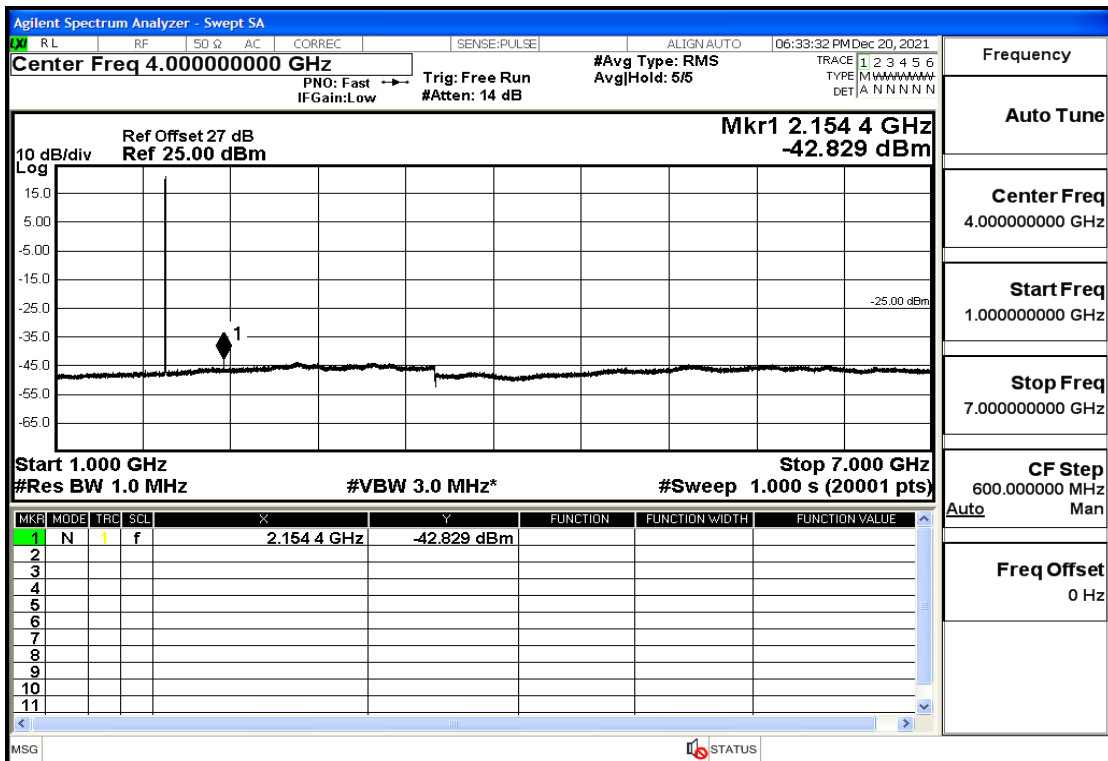
OB4-1.4-1732.5-Q16-6#LOW@13.6GHz-20GHz@Pass



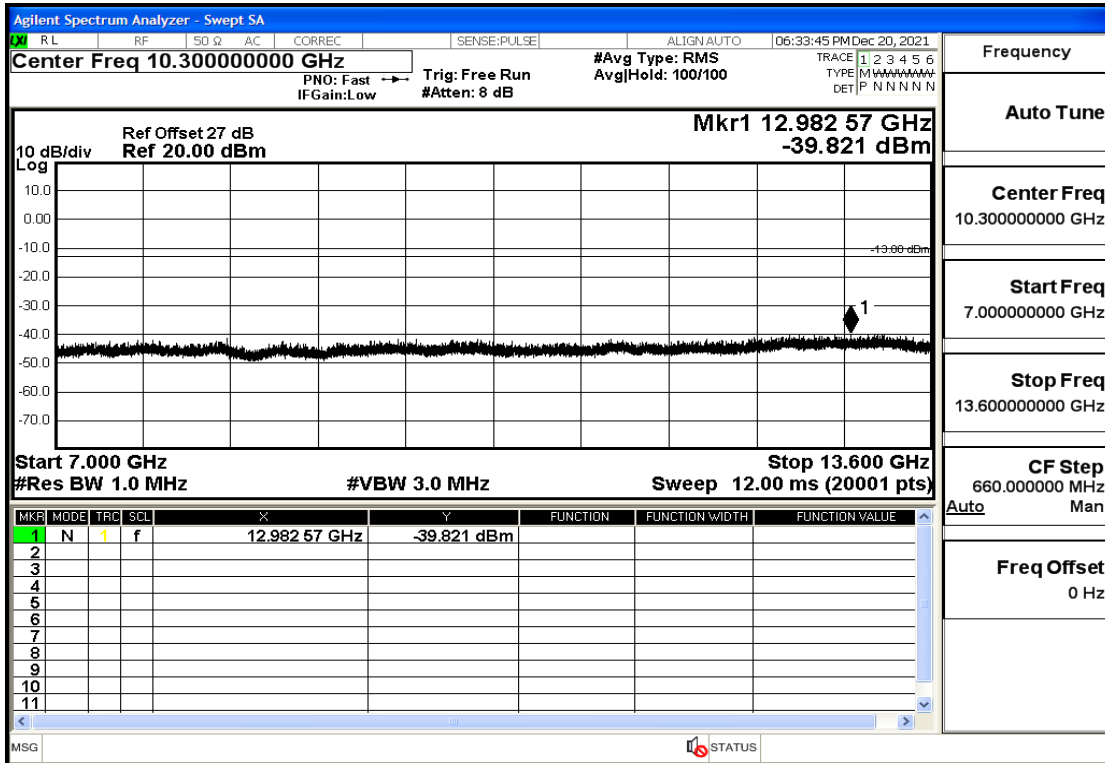
OB4-1.4-1754.3-Q16-6#LOW@30mHz-1GHz@Pass



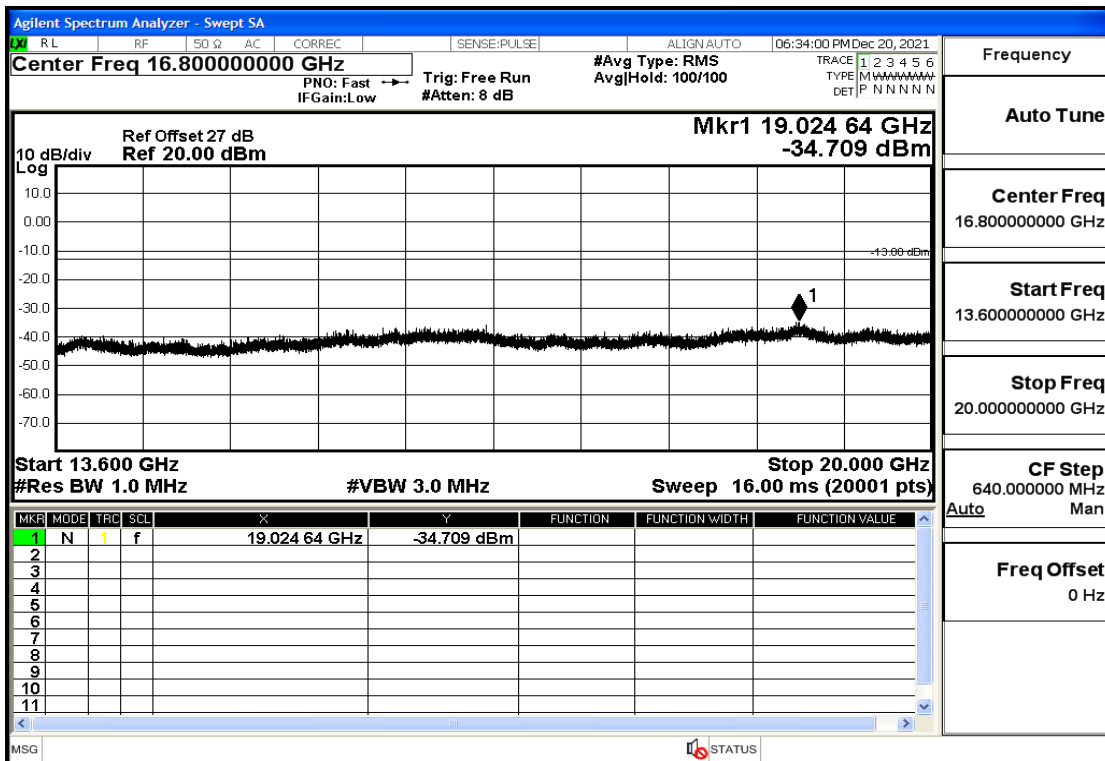
OB4-1.4-1754.3-Q16-6#LOW@1GHz-7GHz@Pass



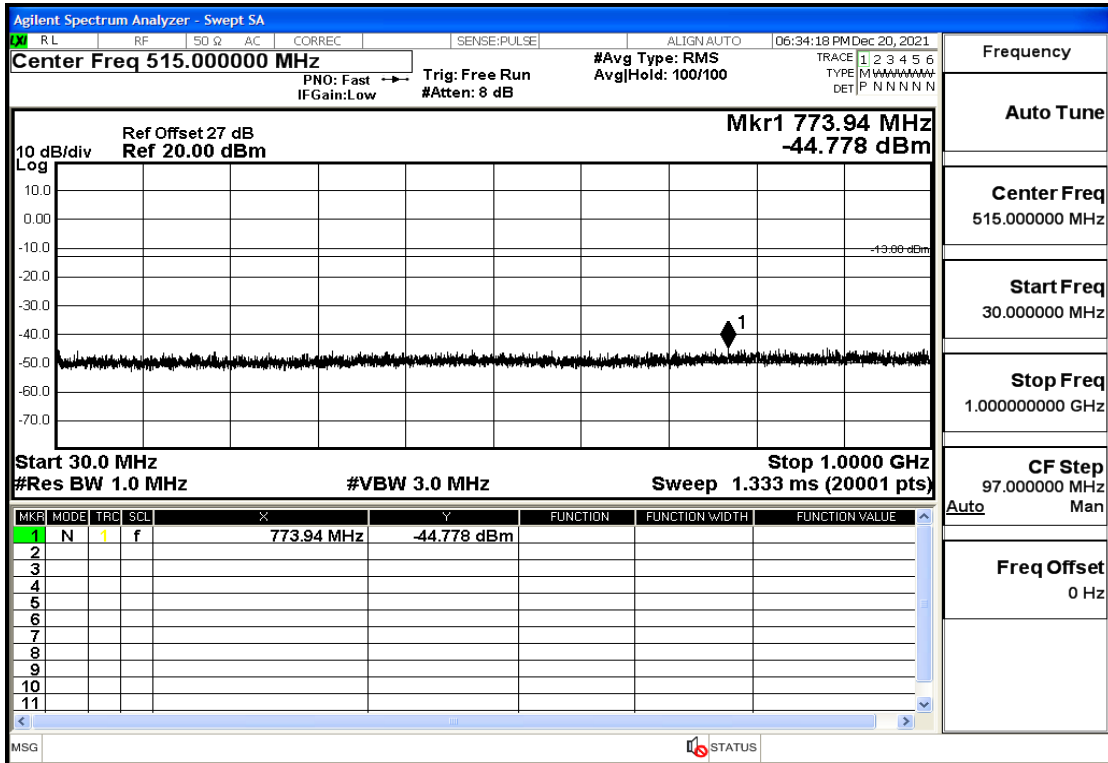
OB4-1.4-1754.3-Q16-6#LOW@7GHz-13.6GHz@Pass



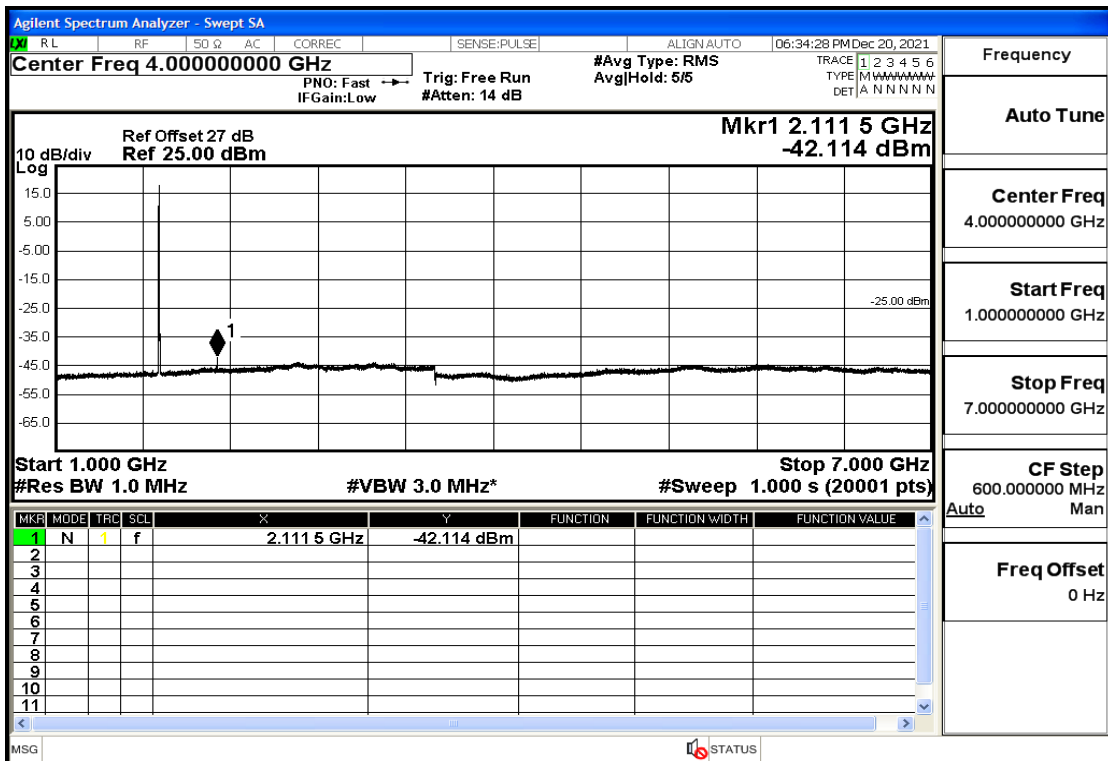
OB4-1.4-1754.3-Q16-6#LOW@13.6GHz-20GHz@Pass



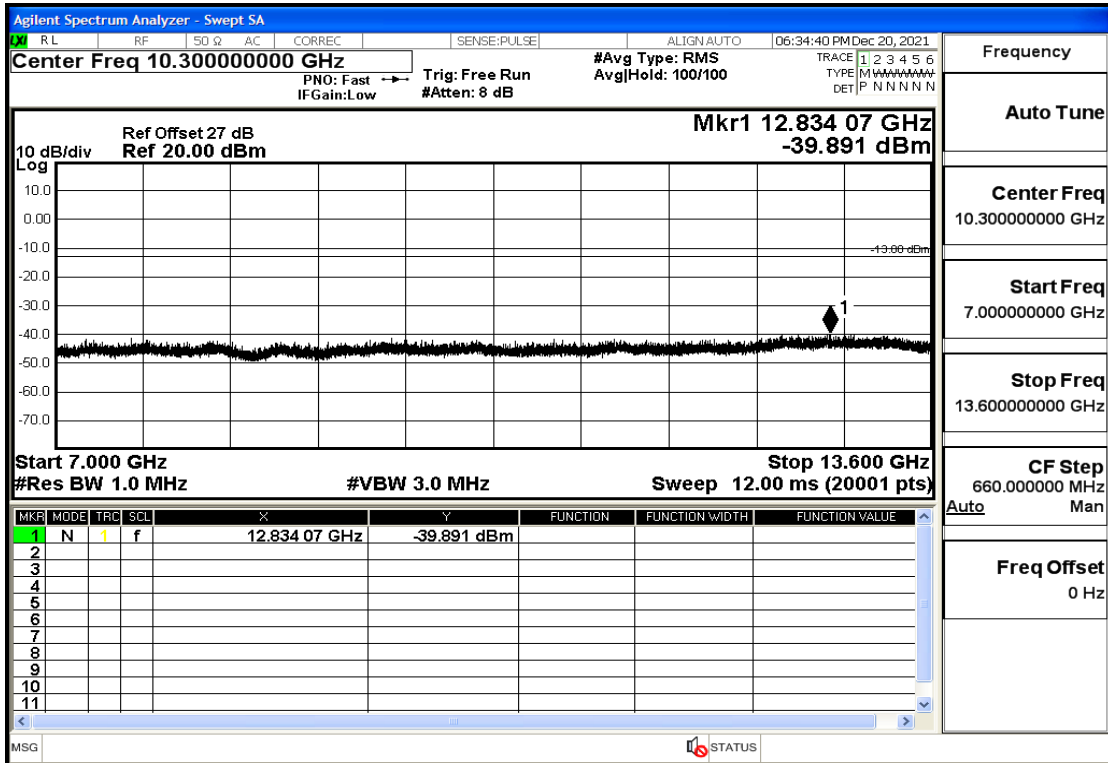
OB4-3-1711.5-Q16-15#LOW@30mHz-1GHz@Pass



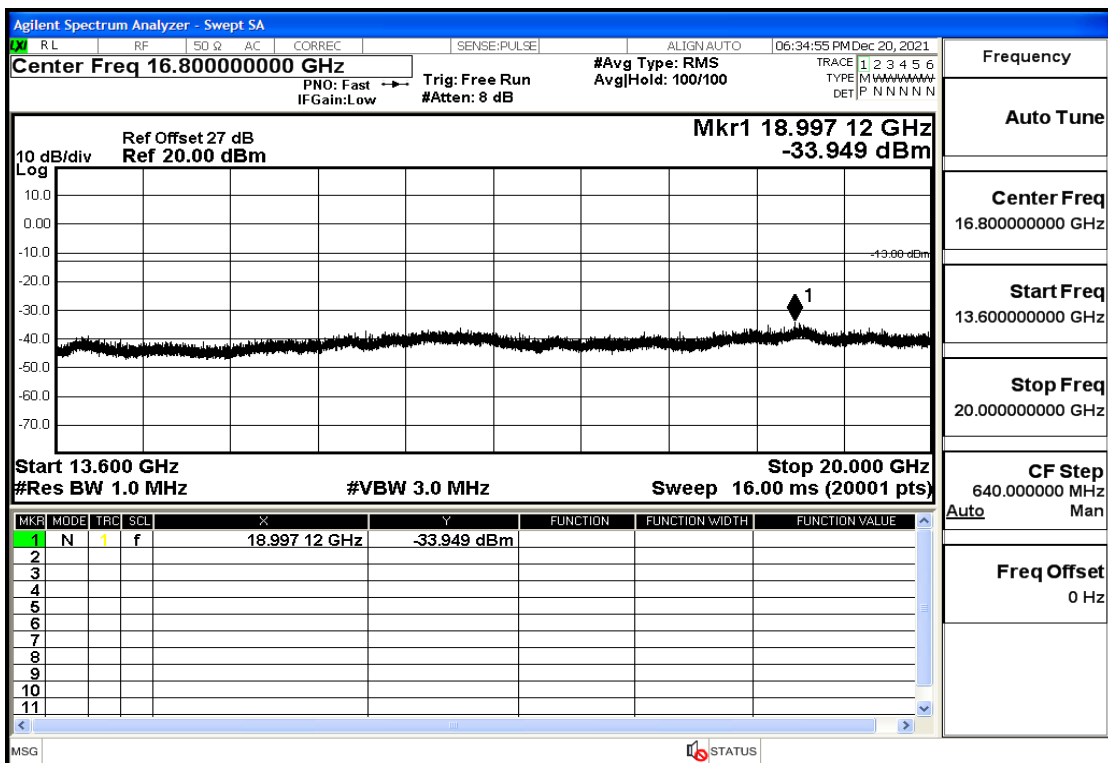
OB4-3-1711.5-Q16-15#LOW@1GHz-7GHz@Pass



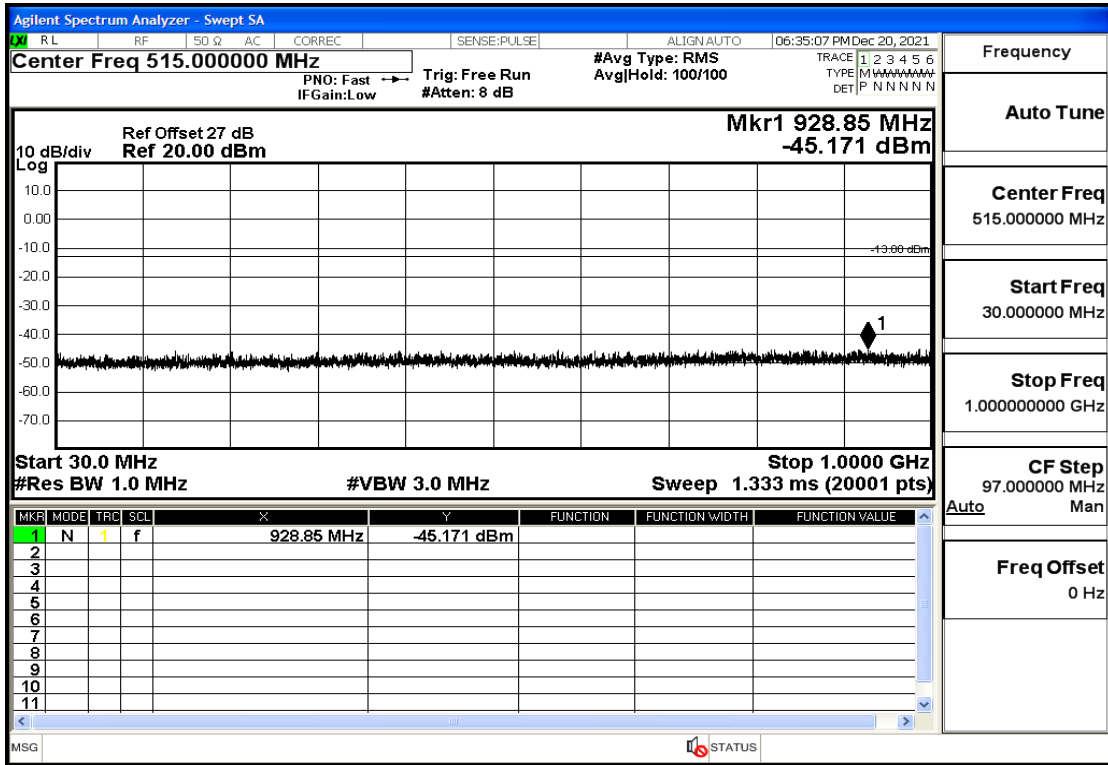
OB4-3-1711.5-Q16-15#LOW@7GHz-13.6GHz@Pass



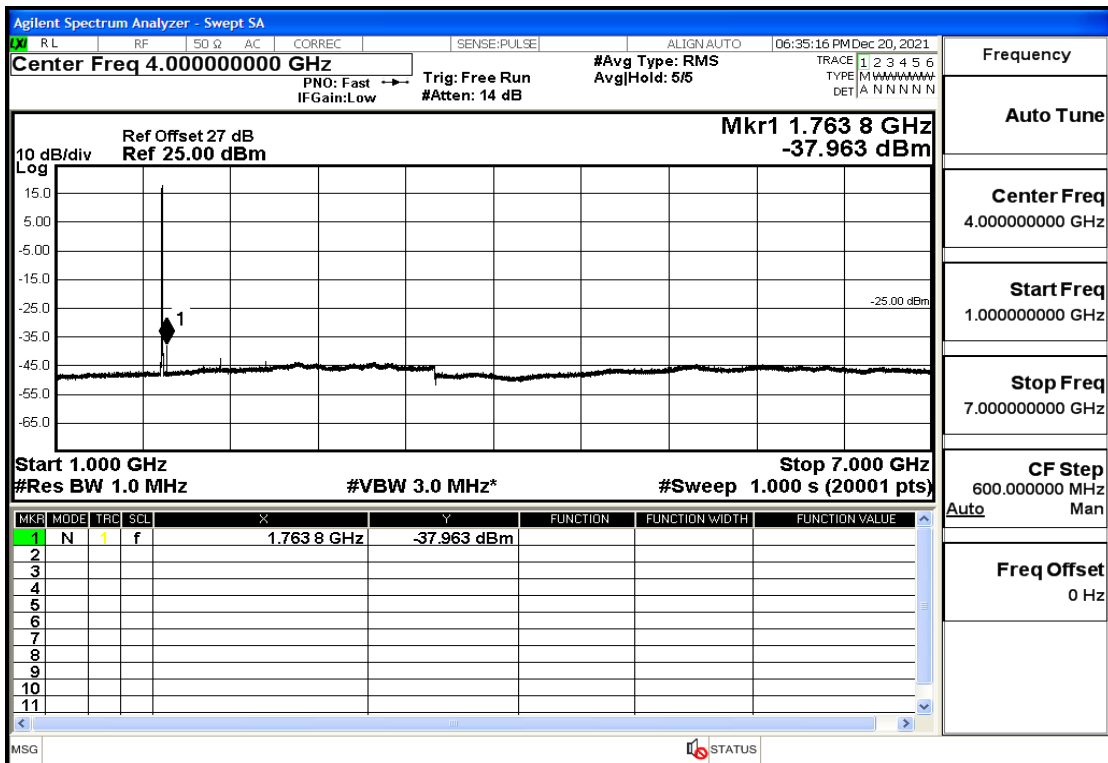
OB4-3-1711.5-Q16-15#LOW@13.6GHz-20GHz@Pass



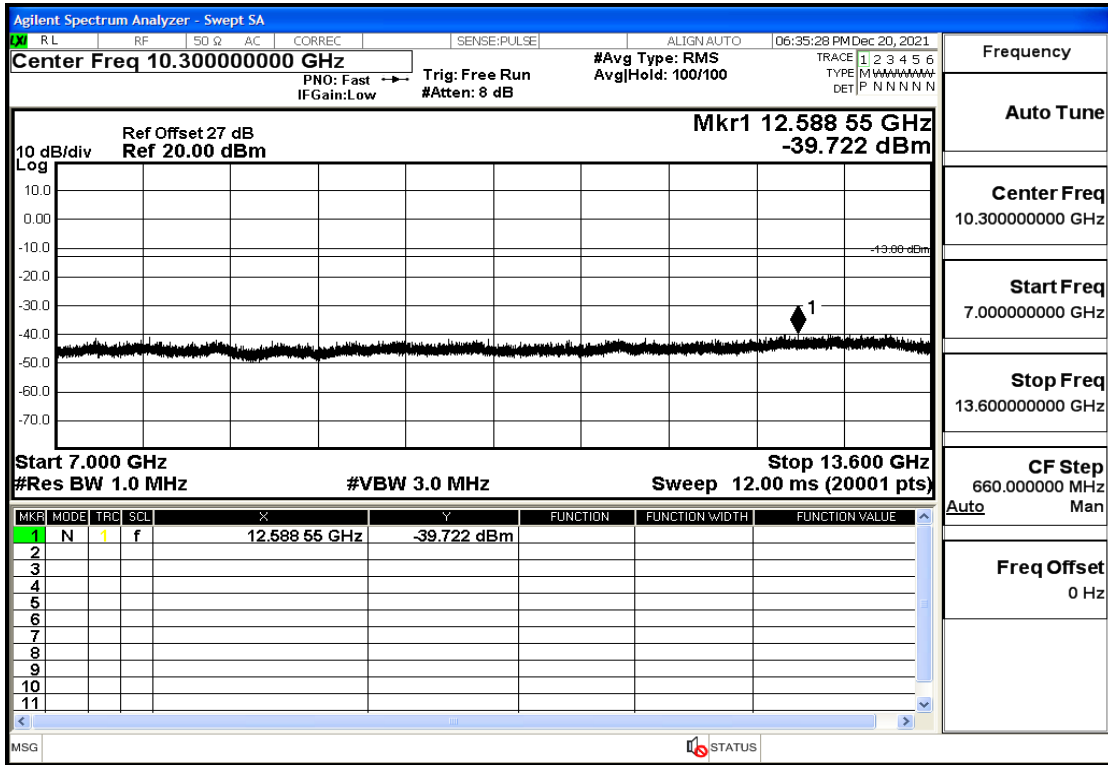
OB4-3-1732.5-Q16-15#LOW@30mHz-1GHz@Pass



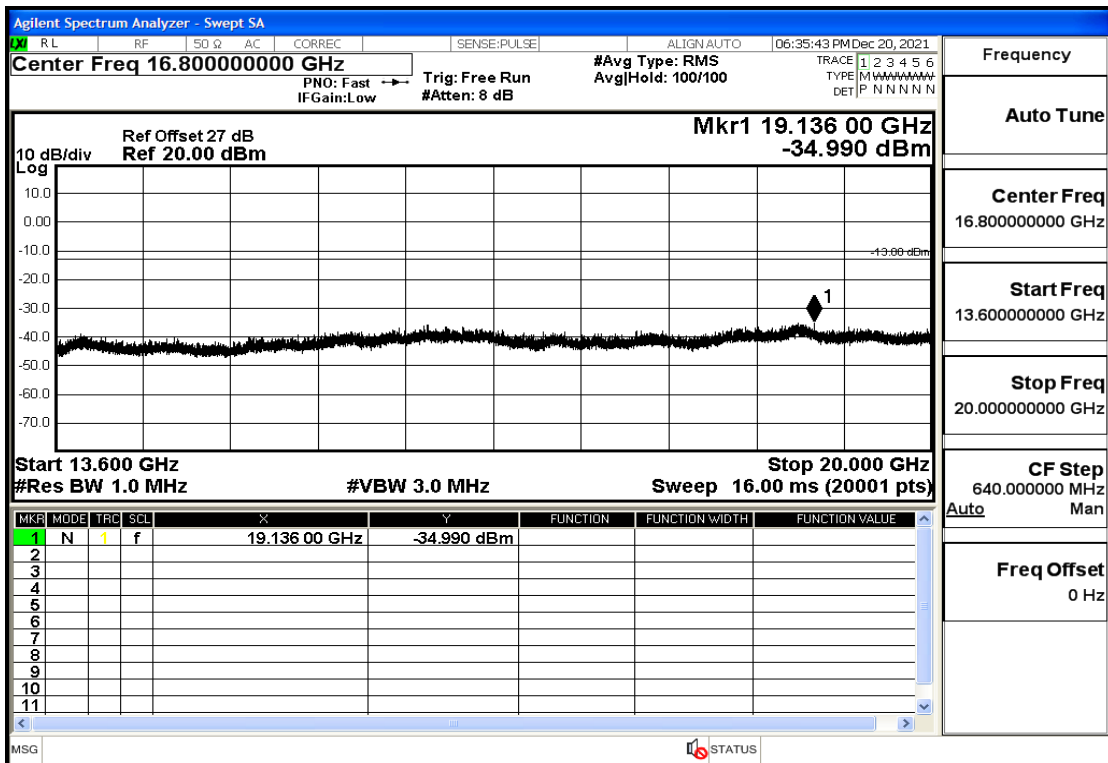
OB4-3-1732.5-Q16-15#LOW@1GHz-7GHz@Pass



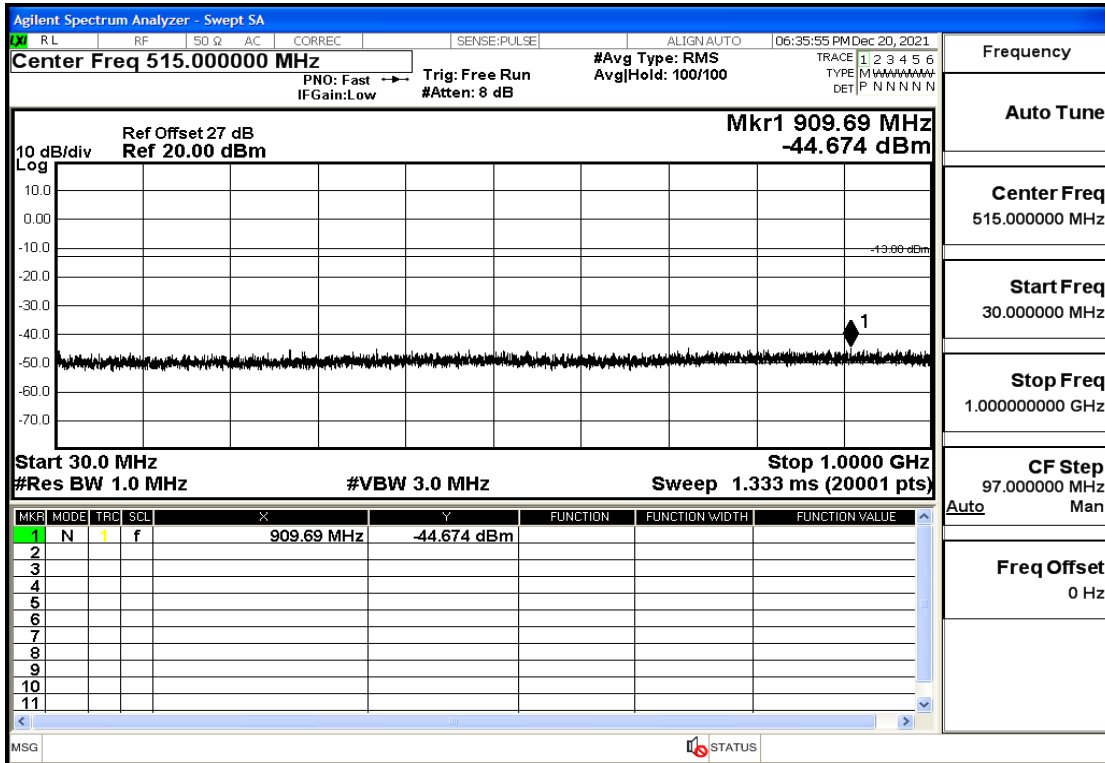
OB4-3-1732.5-Q16-15#LOW@7GHz-13.6GHz@Pass



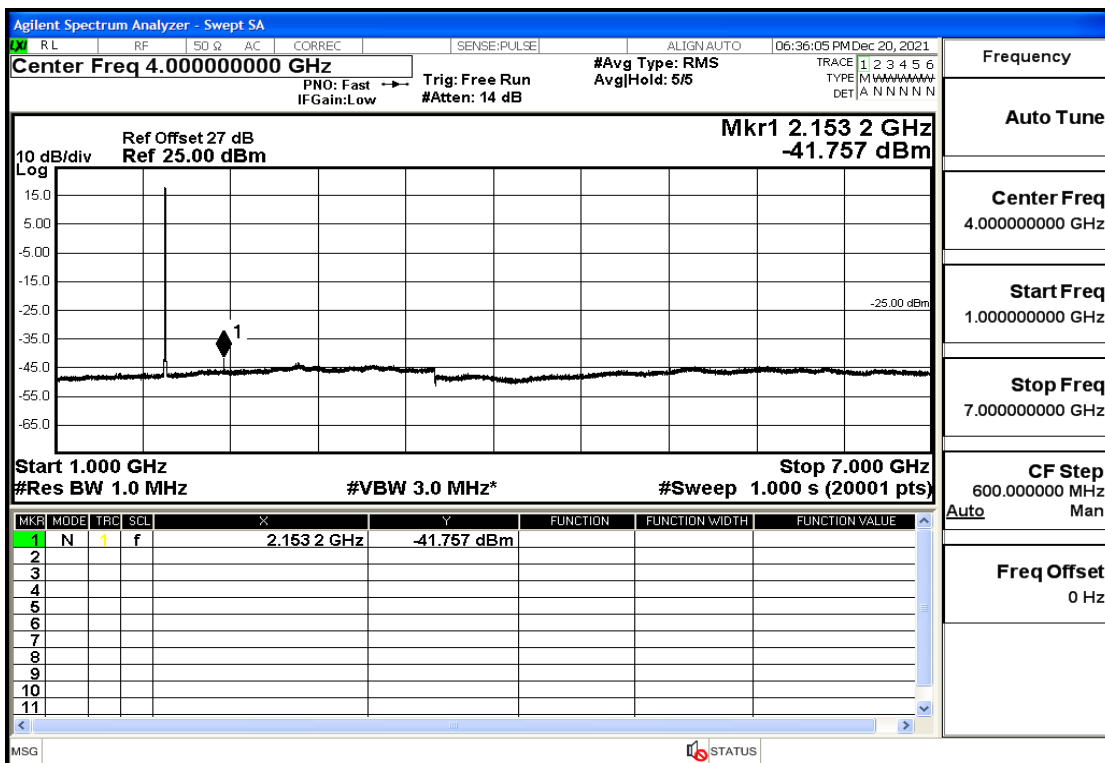
OB4-3-1732.5-Q16-15#LOW@13.6GHz-20GHz@Pass



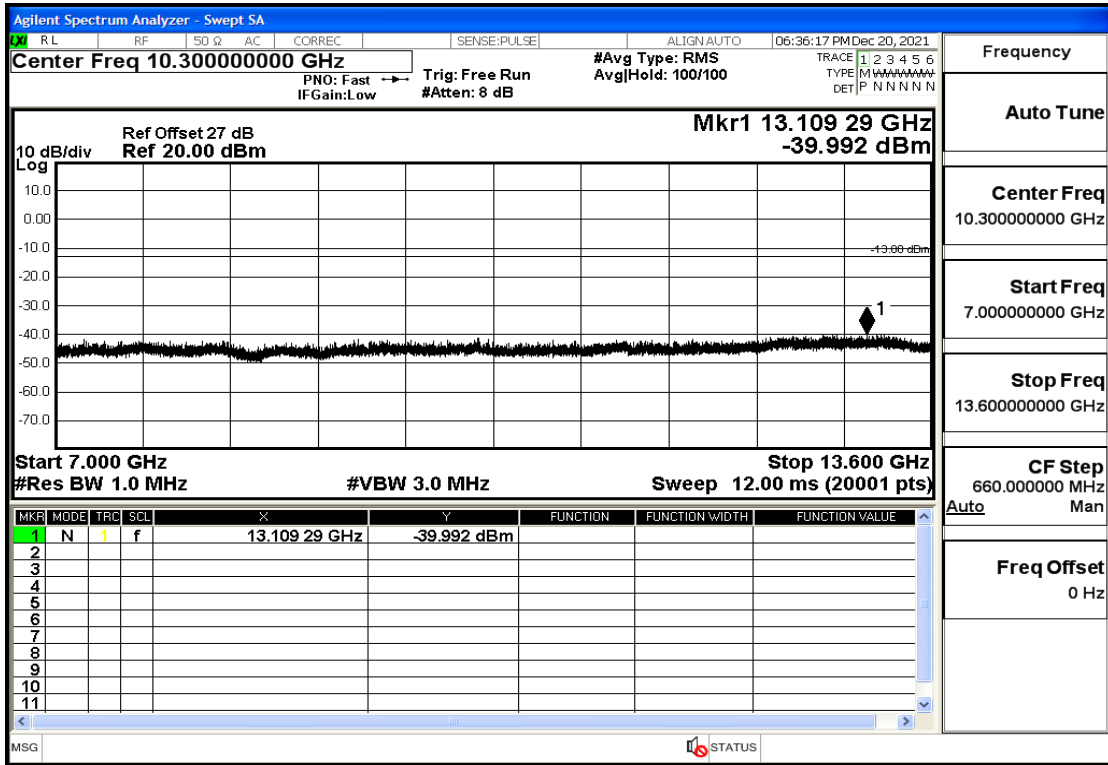
OB4-3-1753.5-Q16-15#LOW@30mHz-1GHz@Pass



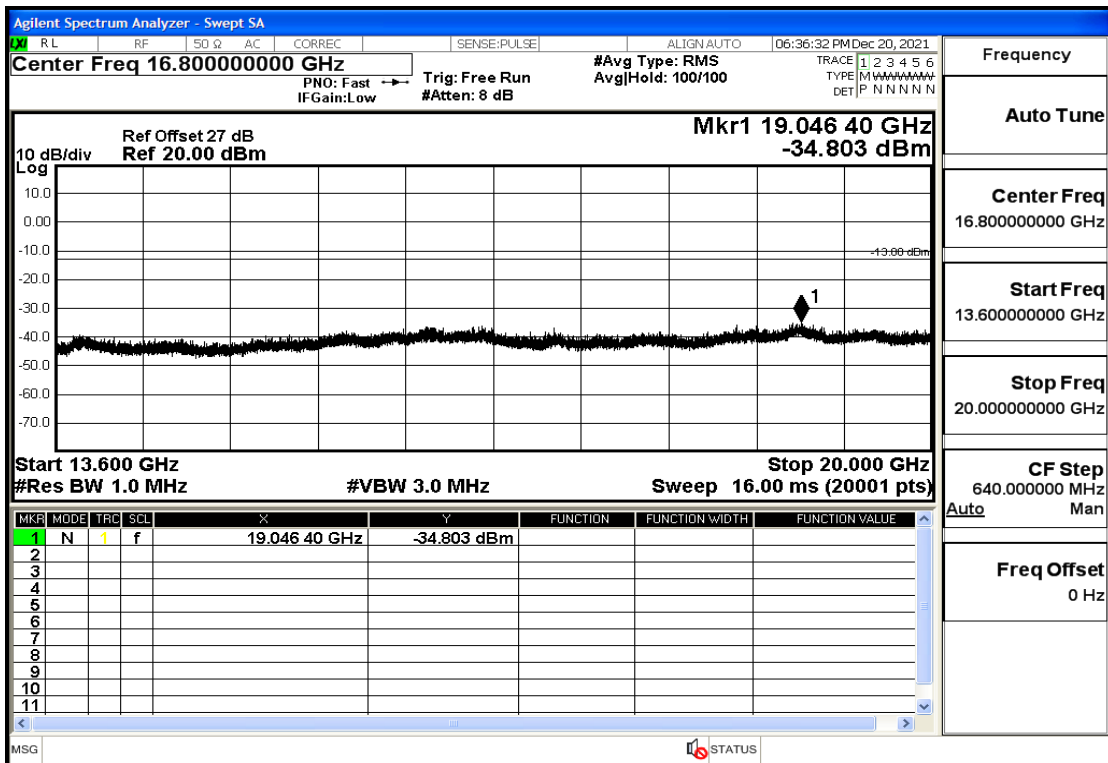
OB4-3-1753.5-Q16-15#LOW@1GHz-7GHz@Pass



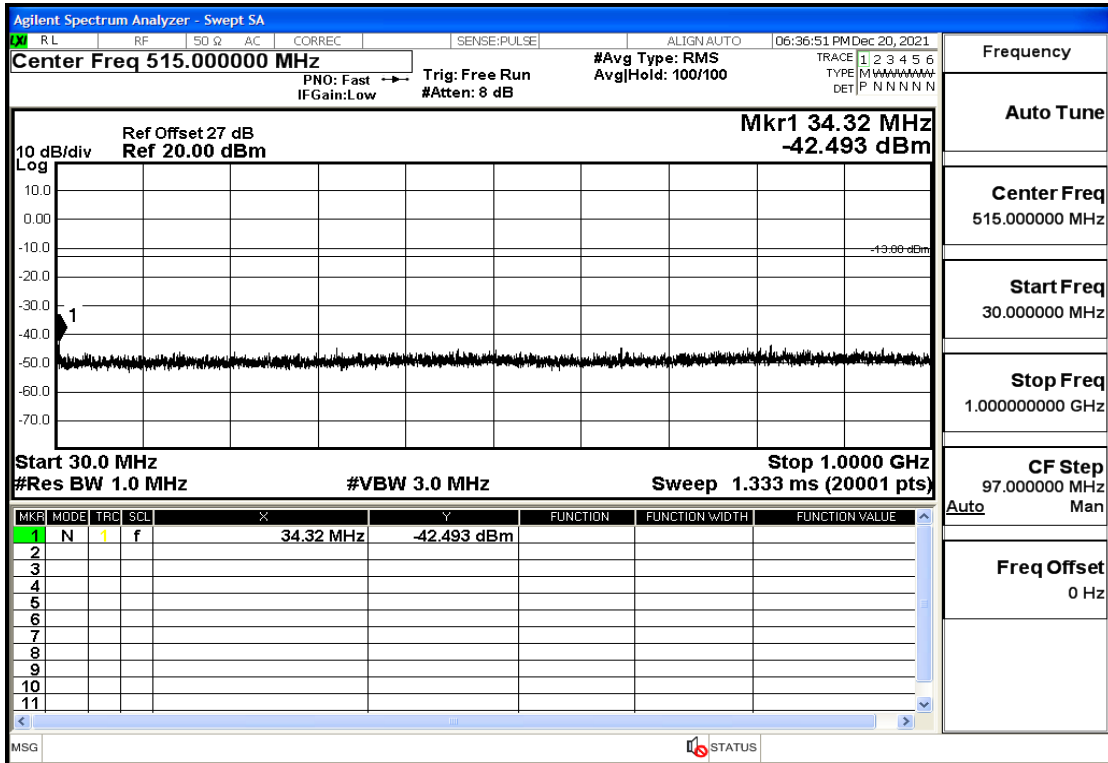
OB4-3-1753.5-Q16-15#LOW@7GHz-13.6GHz@Pass



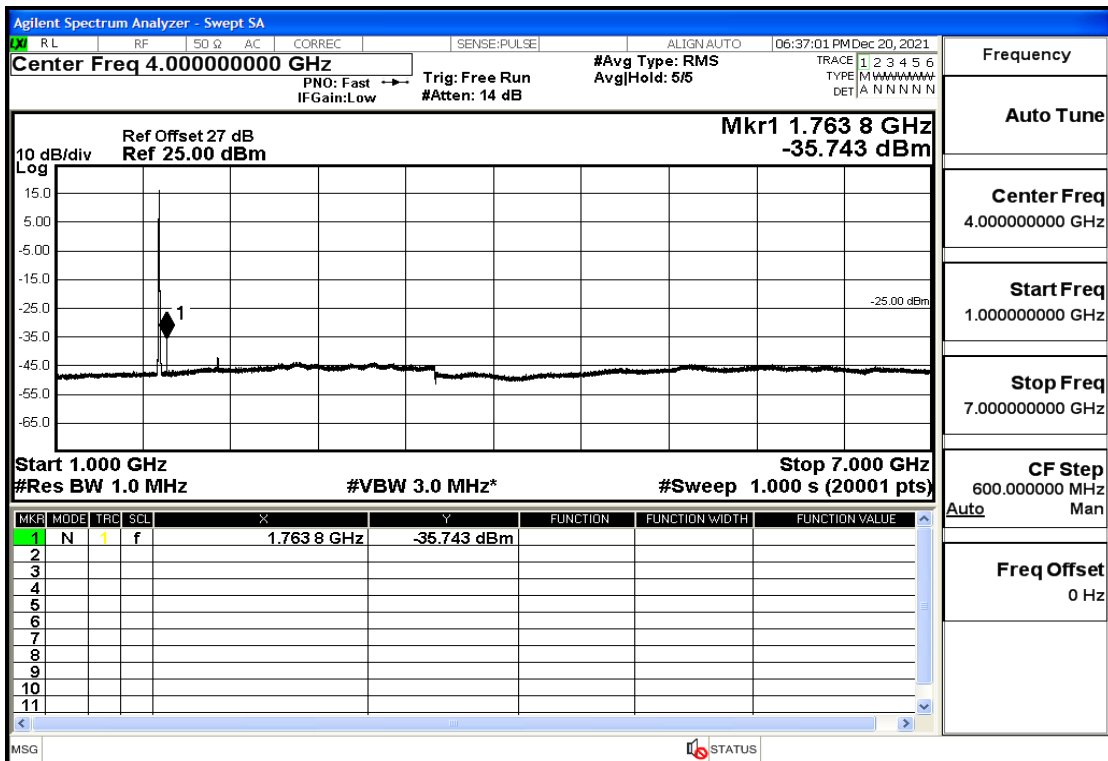
OB4-3-1753.5-Q16-15#LOW@13.6GHz-20GHz@Pass



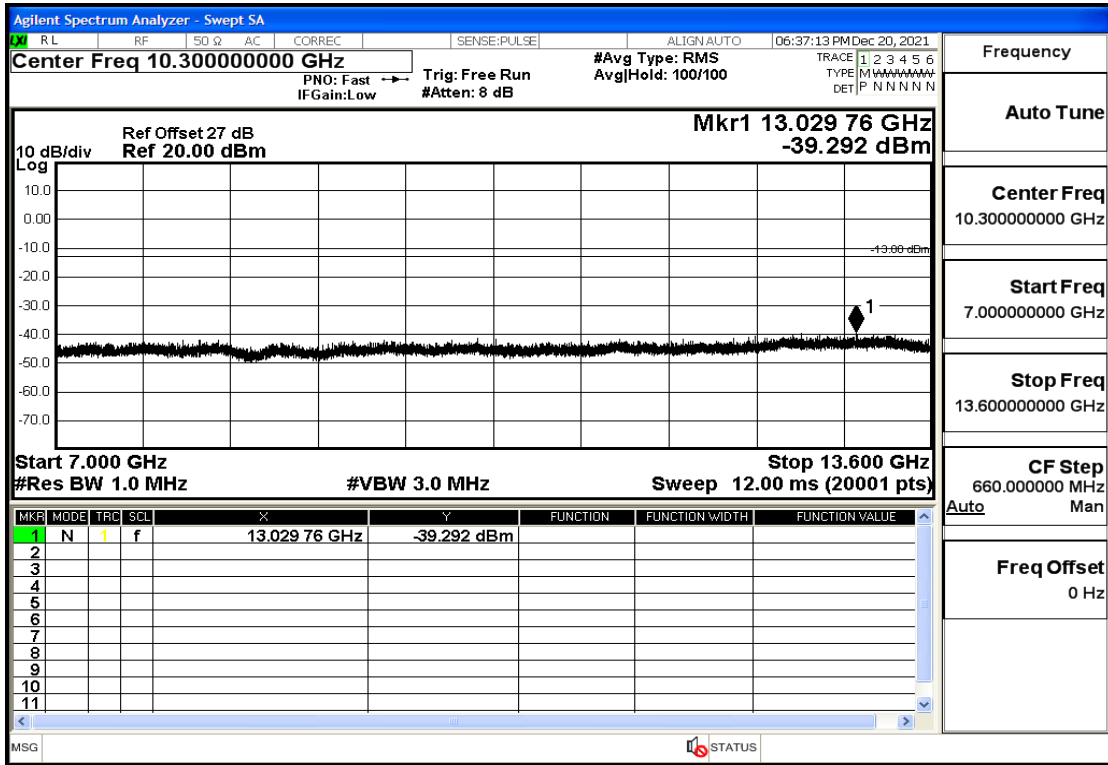
OB4-5-1712.5-Q16-25#LOW@30mHz-1GHz@Pass



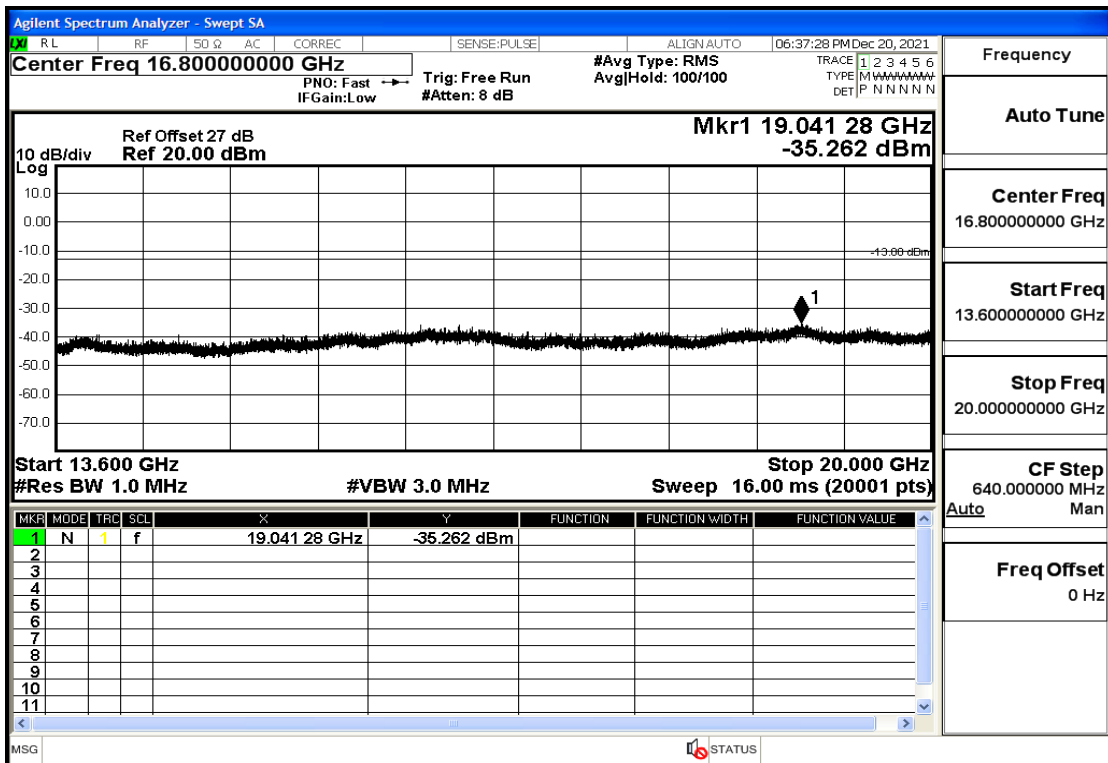
OB4-5-1712.5-Q16-25#LOW@1GHz-7GHz@Pass



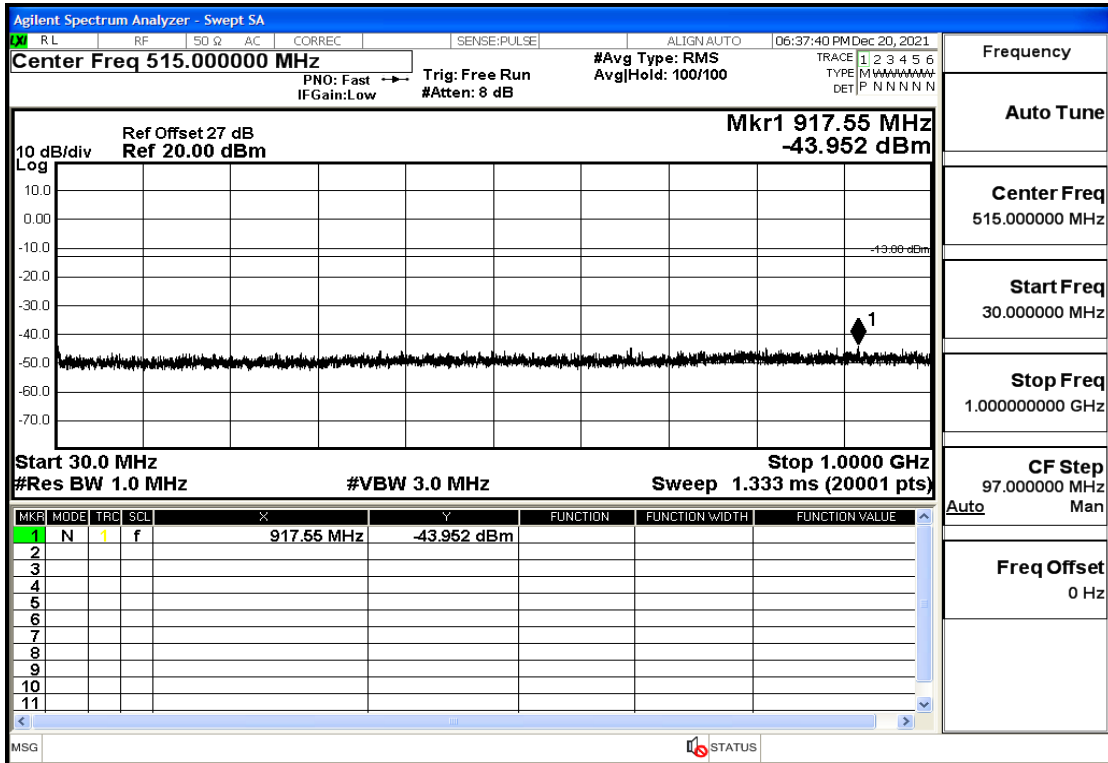
OB4-5-1712.5-Q16-25#LOW@7GHz-13.6GHz@Pass



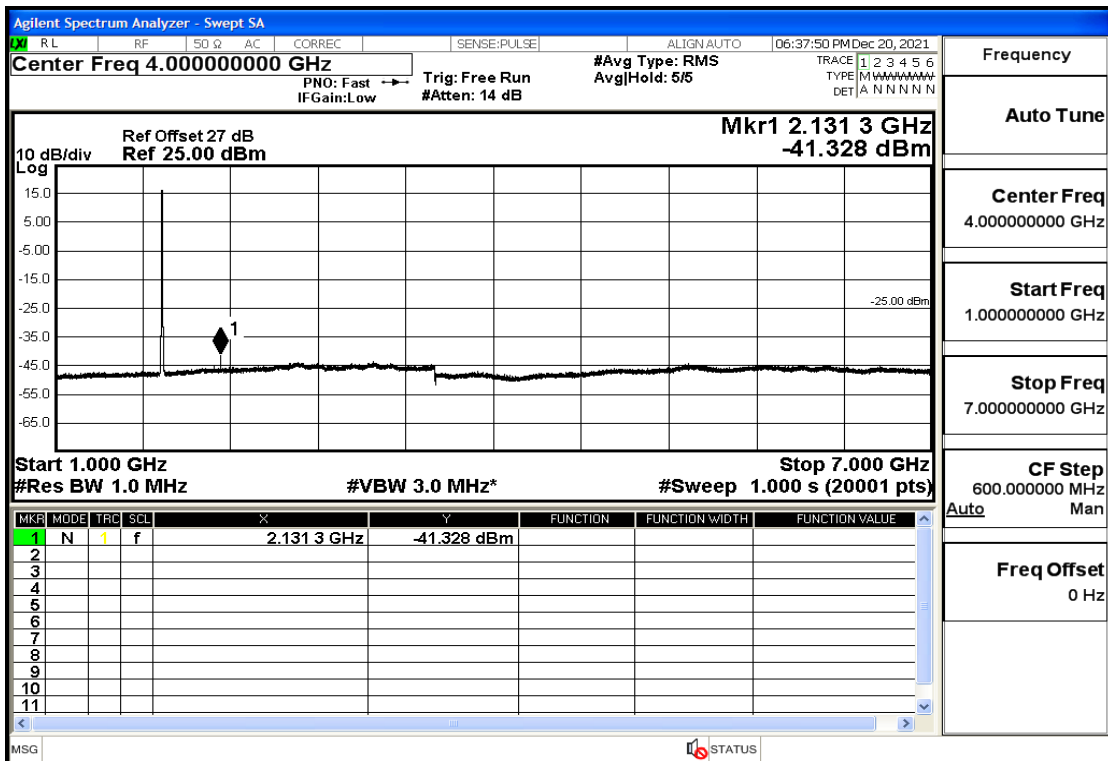
OB4-5-1712.5-Q16-25#LOW@13.6GHz-20GHz@Pass



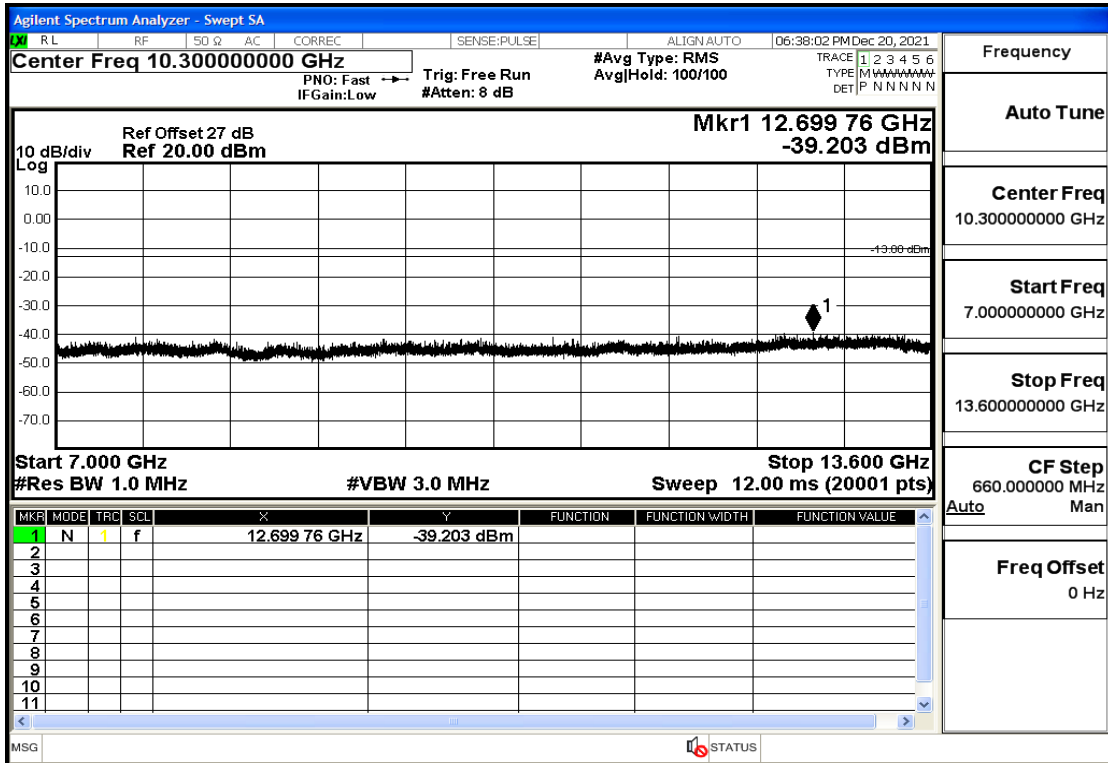
OB4-5-1732.5-Q16-25#LOW@30mHz-1GHz@Pass



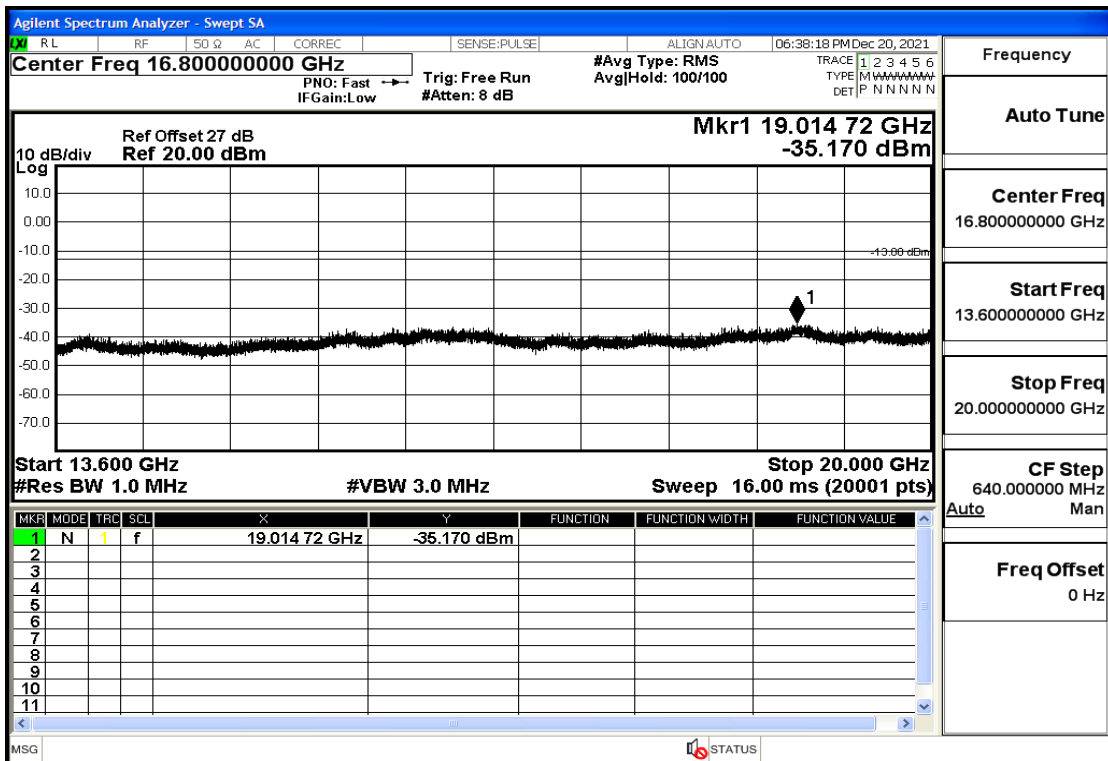
OB4-5-1732.5-Q16-25#LOW@1GHz-7GHz@Pass



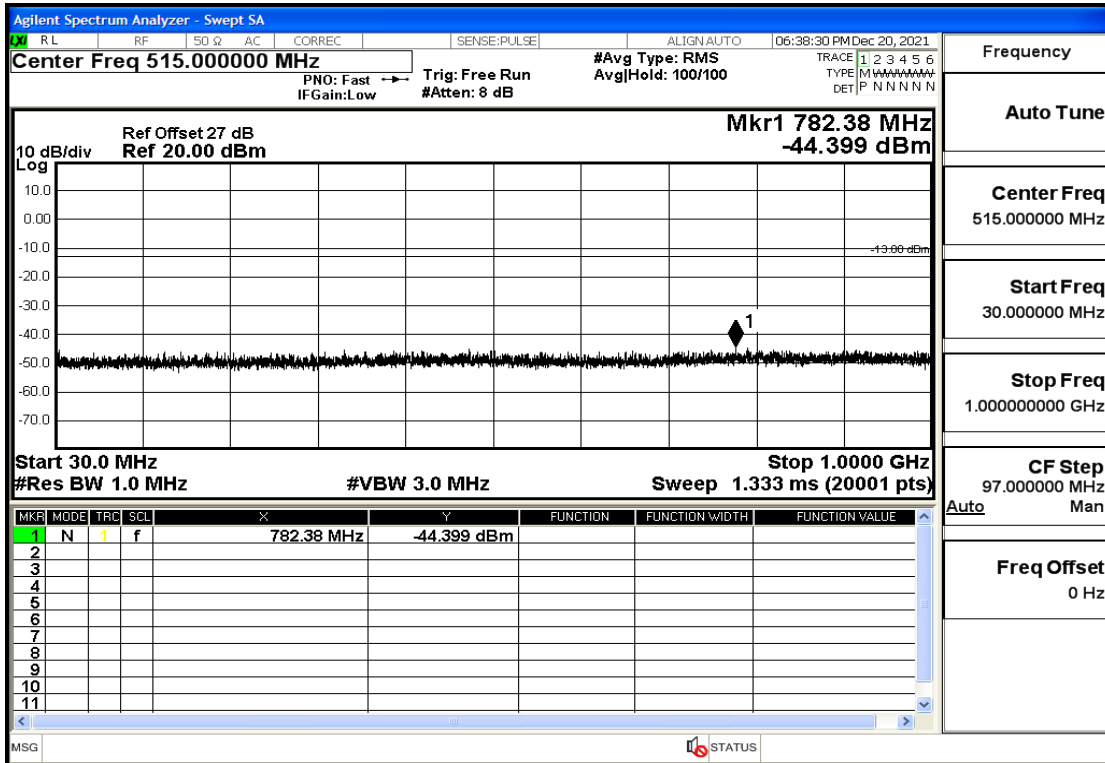
OB4-5-1732.5-Q16-25#LOW@7GHz-13.6GHz@Pass



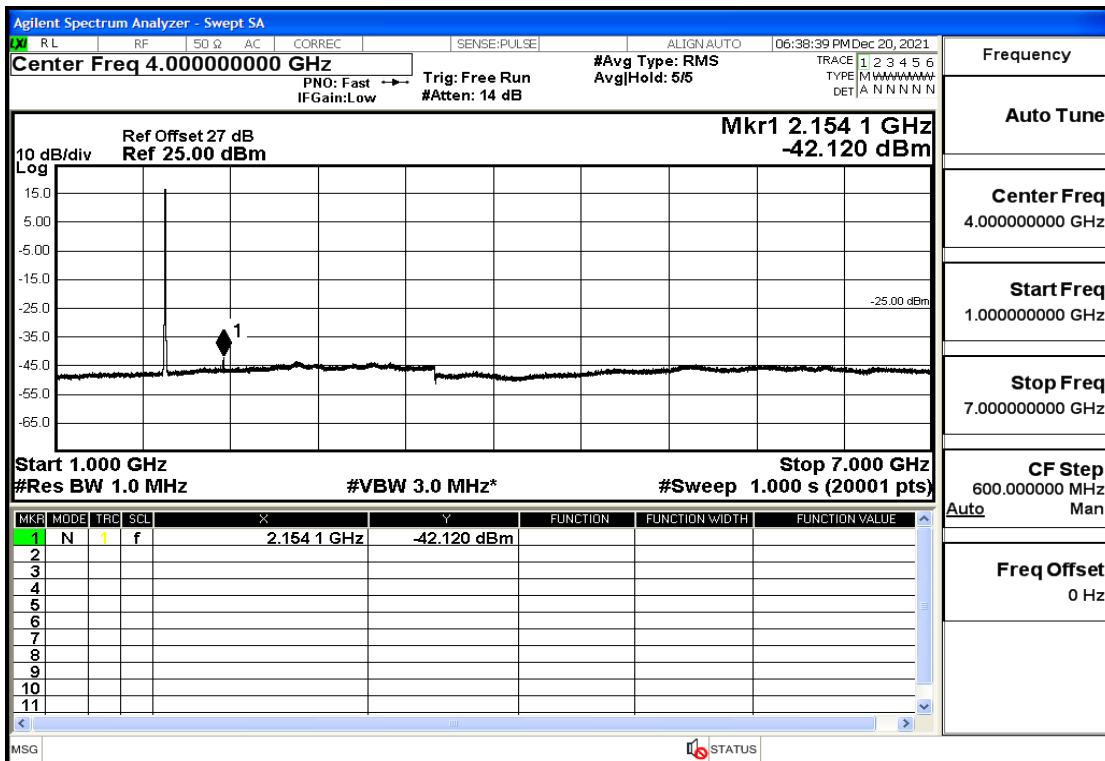
OB4-5-1732.5-Q16-25#LOW@13.6GHz-20GHz@Pass



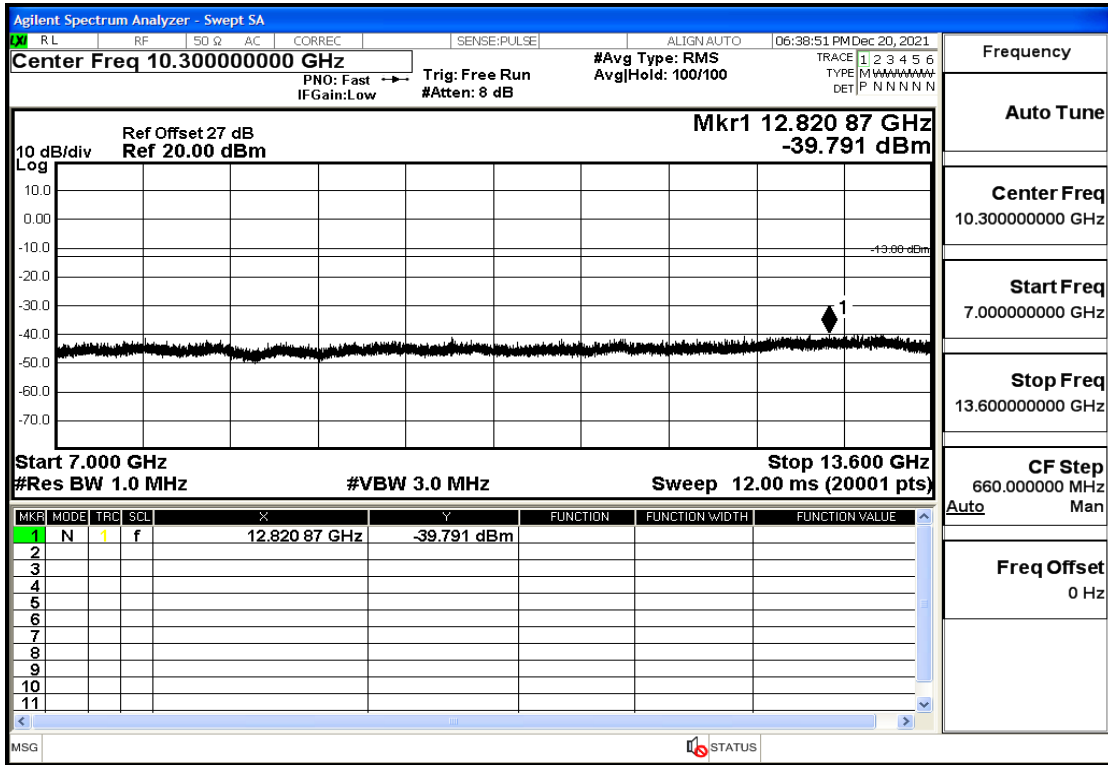
OB4-5-1752.5-Q16-25#LOW@30mHz-1GHz@Pass



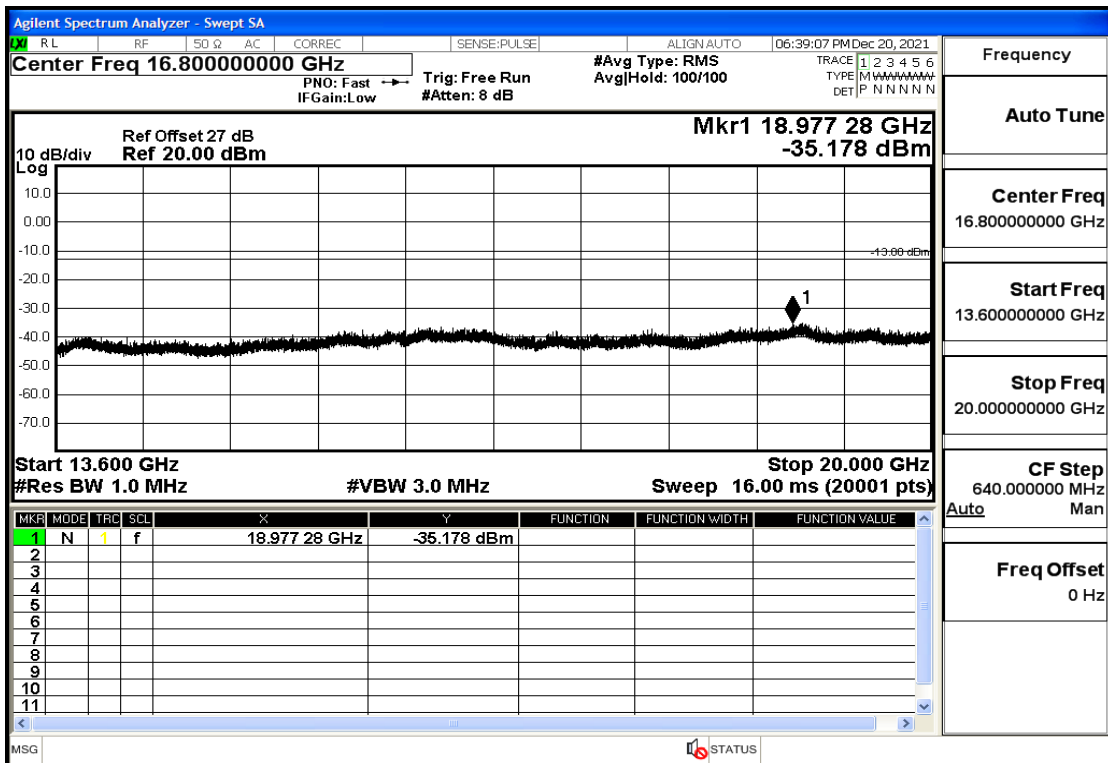
OB4-5-1752.5-Q16-25#LOW@1GHz-7GHz@Pass



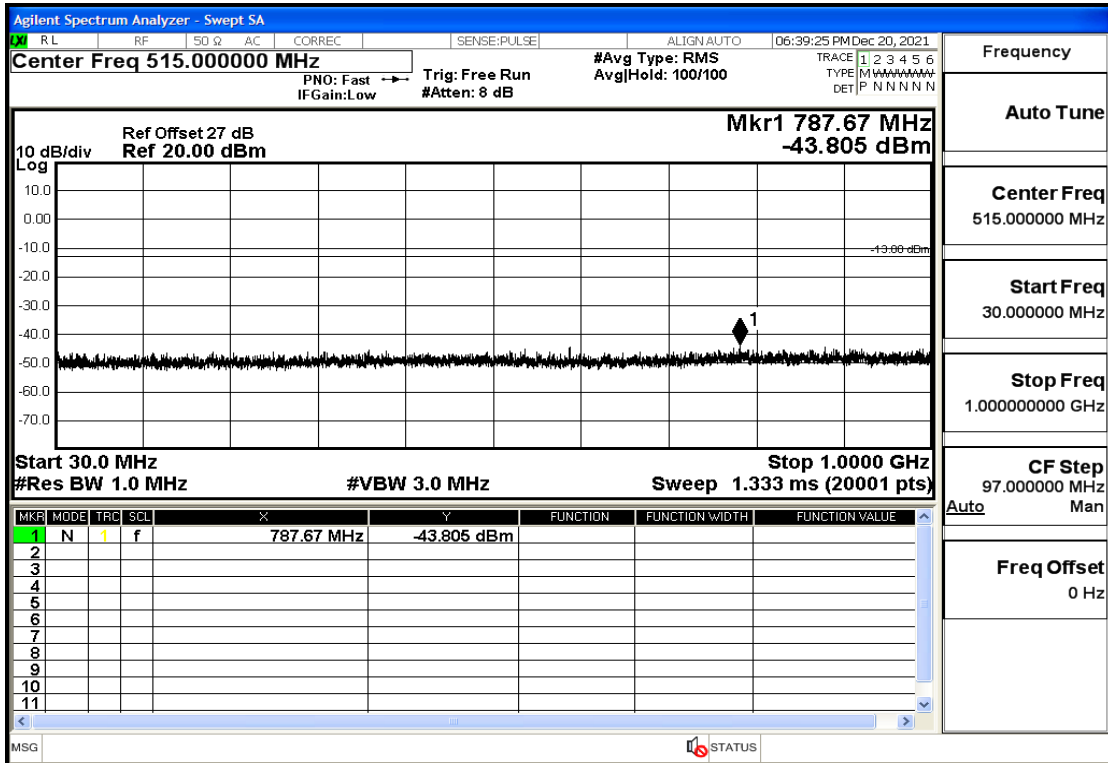
OB4-5-1752.5-Q16-25#LOW@7GHz-13.6GHz@Pass



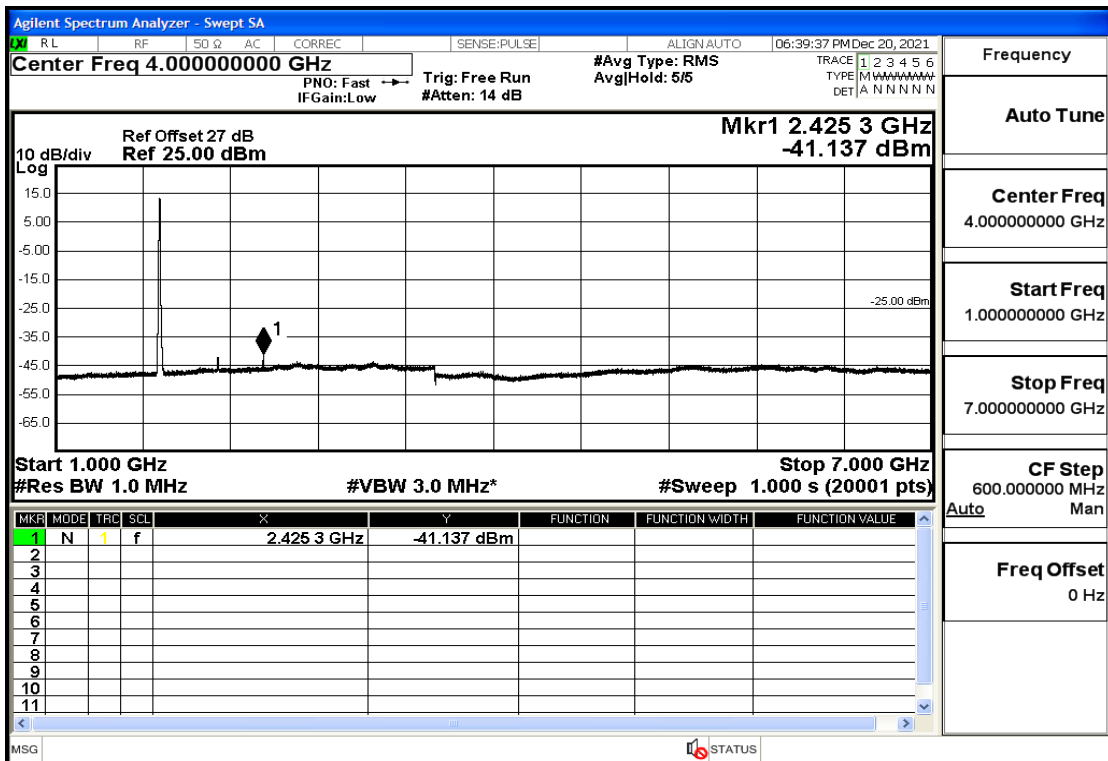
OB4-5-1752.5-Q16-25#LOW@13.6GHz-20GHz@Pass



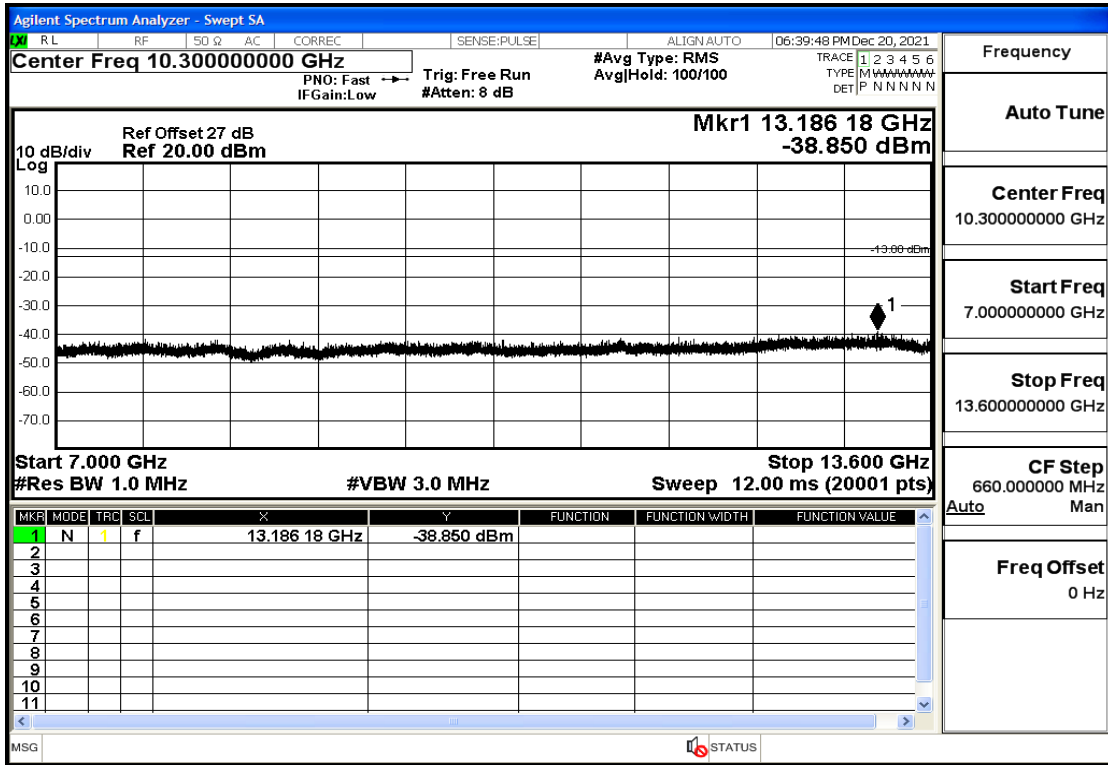
OB4-10-1715-Q16-50#LOW@30mHz-1GHz@Pass



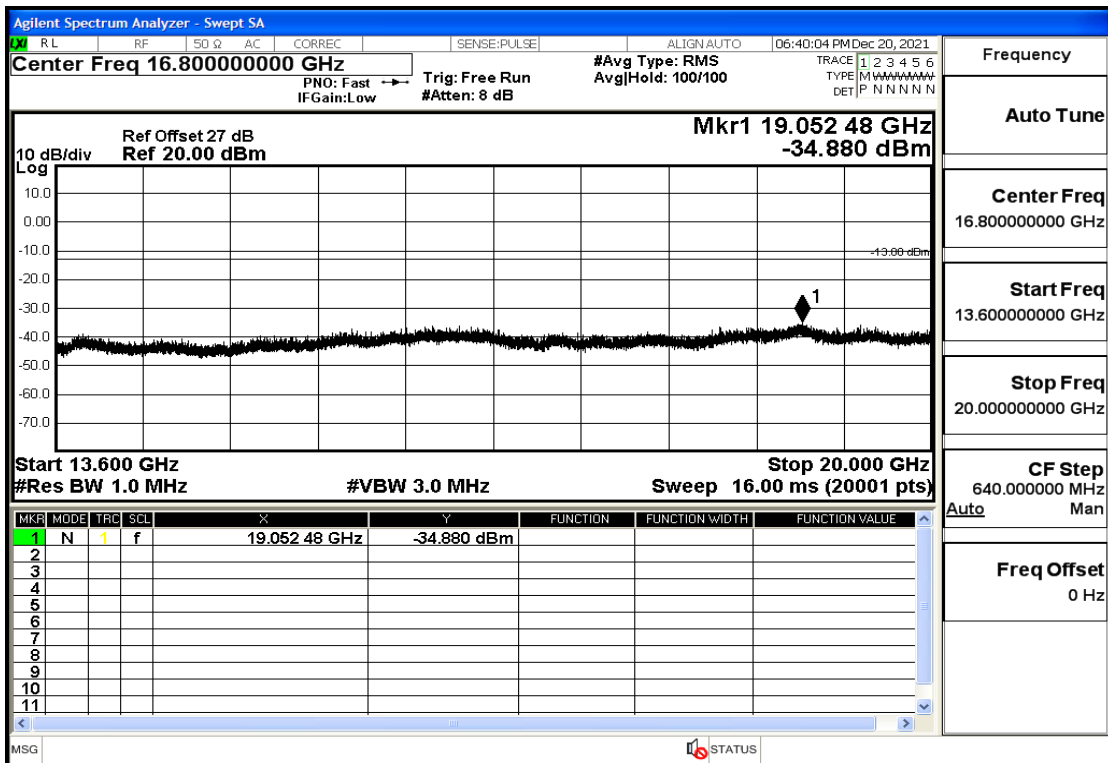
OB4-10-1715-Q16-50#LOW@1GHz-7GHz@Pass



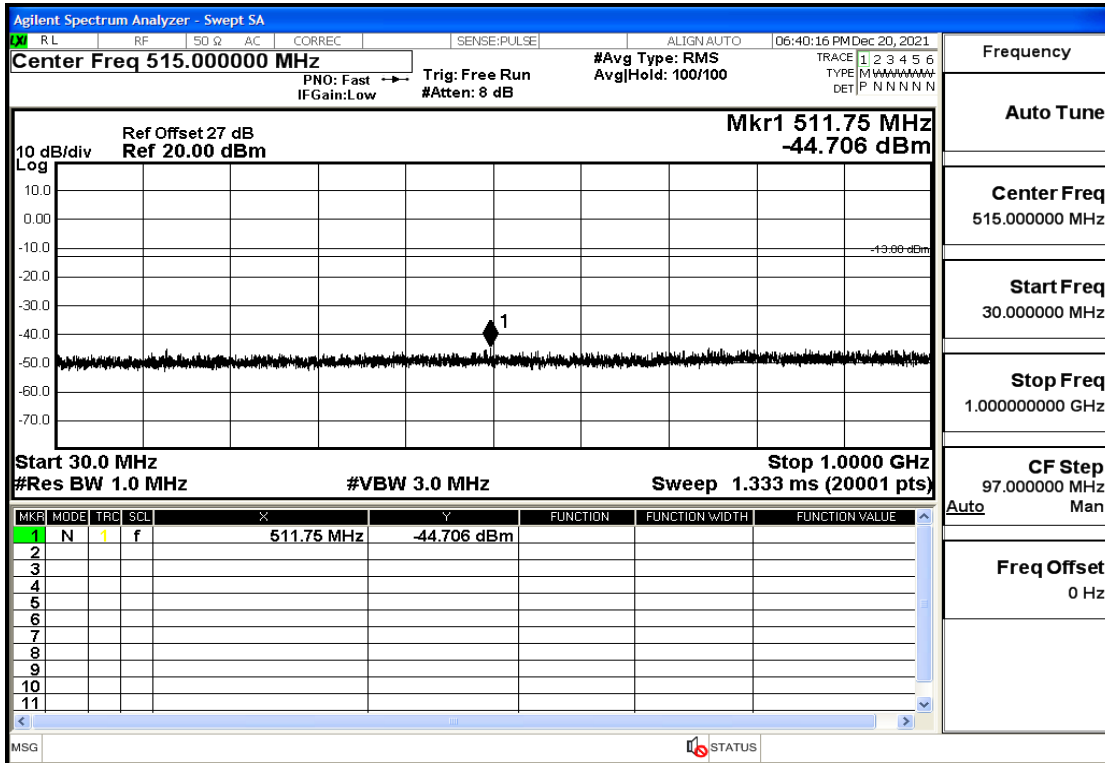
OB4-10-1715-Q16-50#LOW@7GHz-13.6GHz@Pass



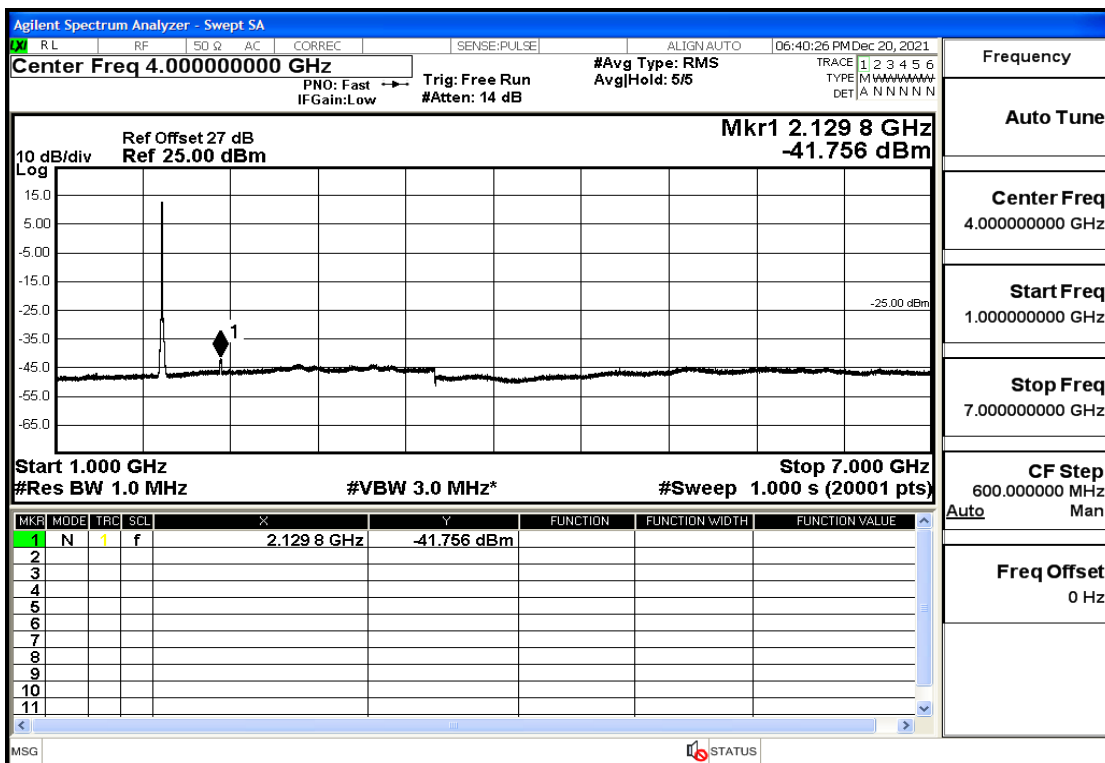
OB4-10-1715-Q16-50#LOW@13.6GHz-20GHz@Pass



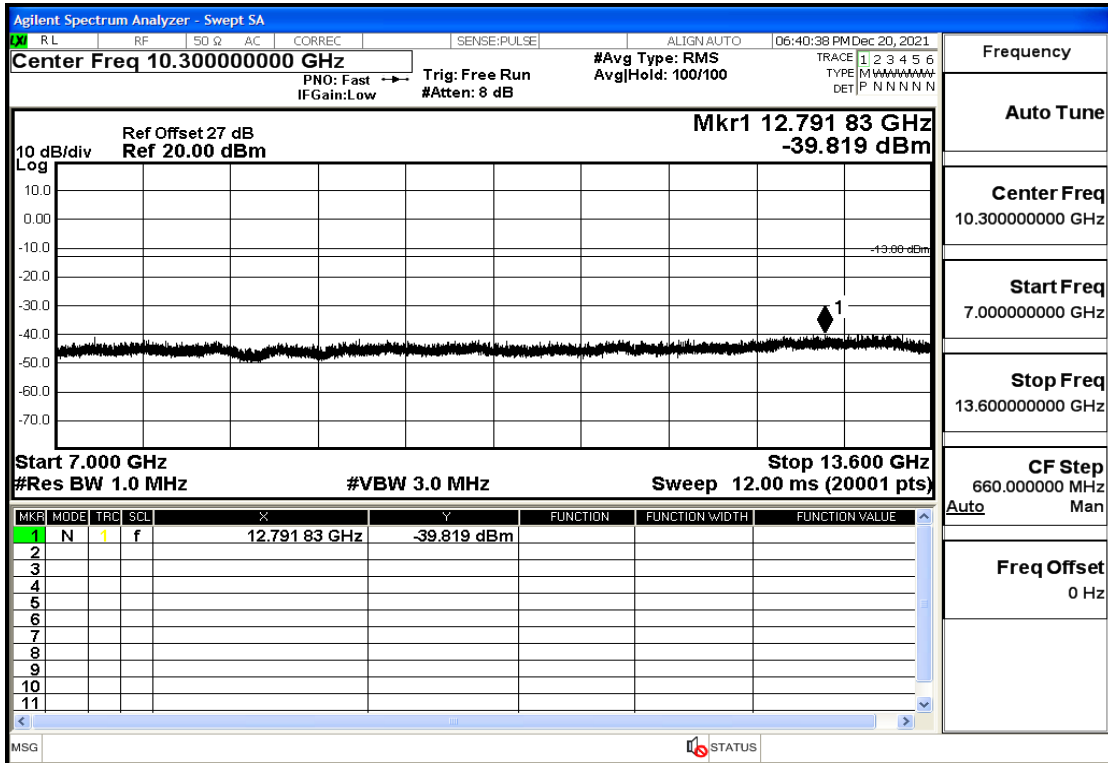
OB4-10-1732.5-Q16-50#LOW@30mHz-1GHz@Pass



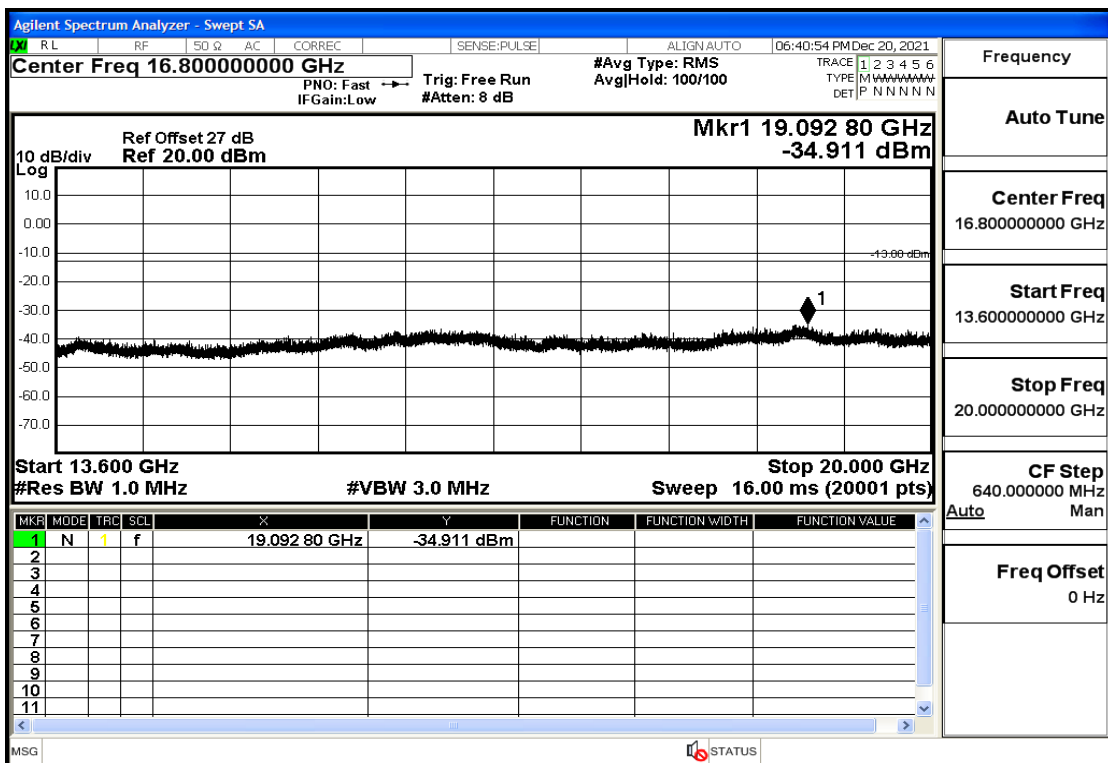
OB4-10-1732.5-Q16-50#LOW@1GHz-7GHz@Pass



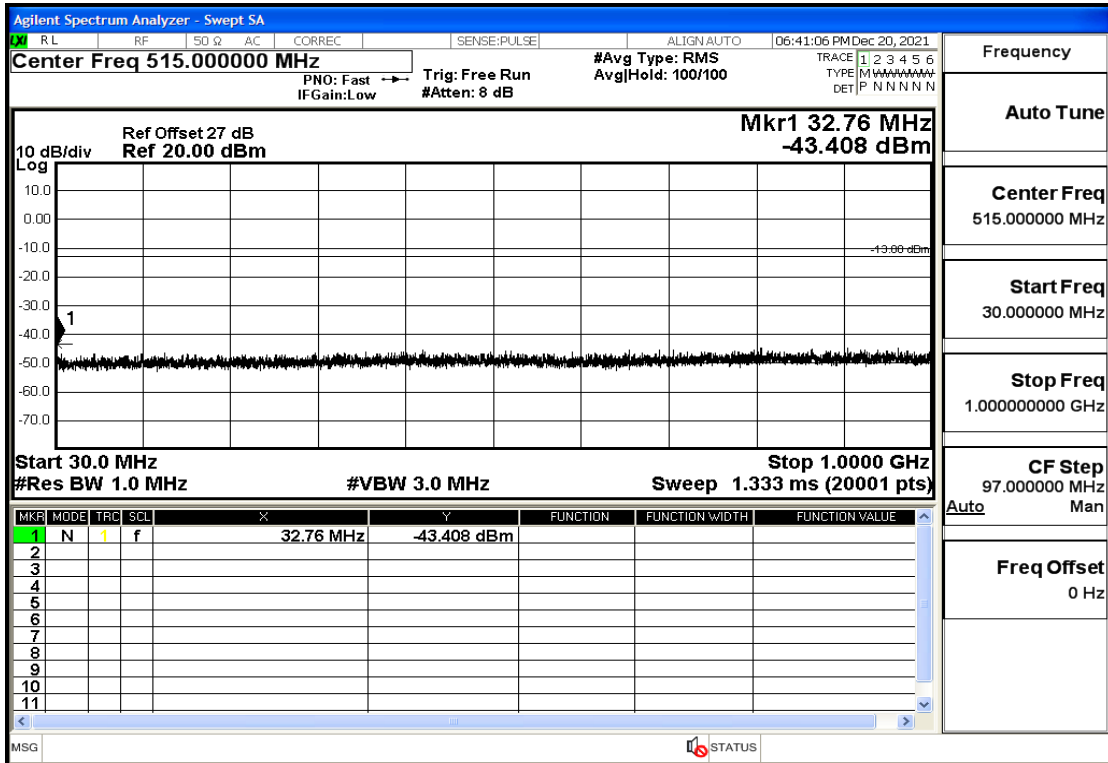
OB4-10-1732.5-Q16-50#LOW@7GHz-13.6GHz@Pass



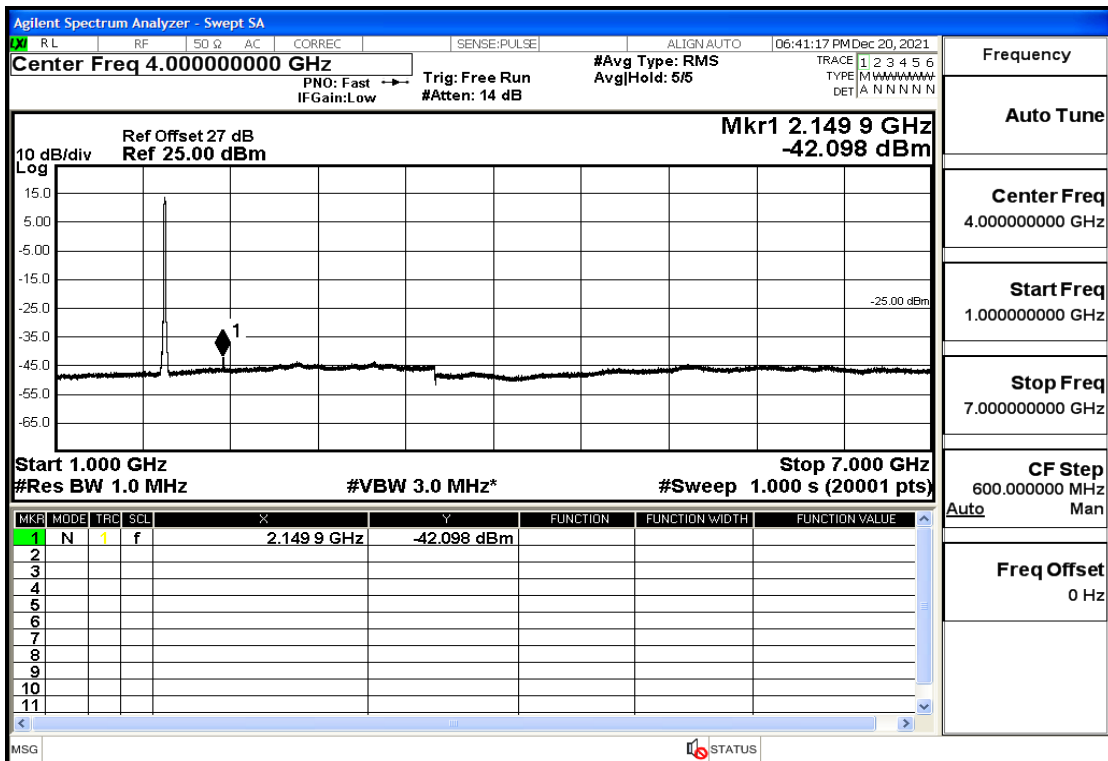
OB4-10-1732.5-Q16-50#LOW@13.6GHz-20GHz@Pass



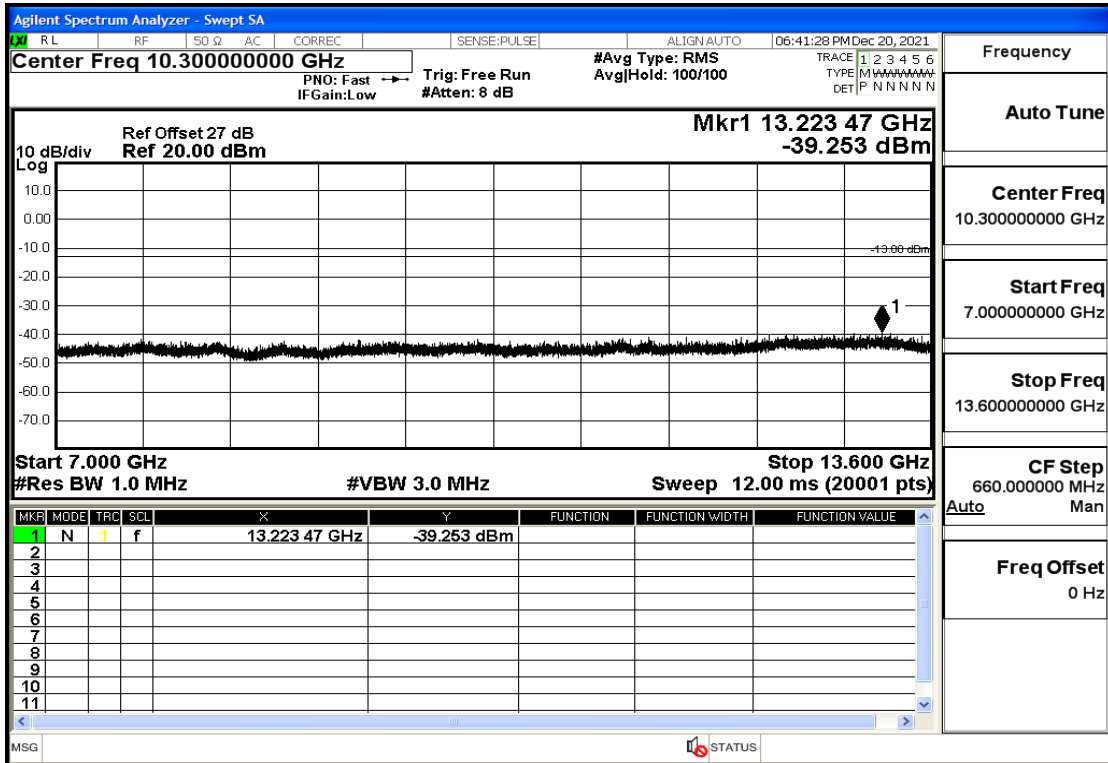
OB4-10-1750-Q16-50#LOW@30mHz-1GHz@Pass



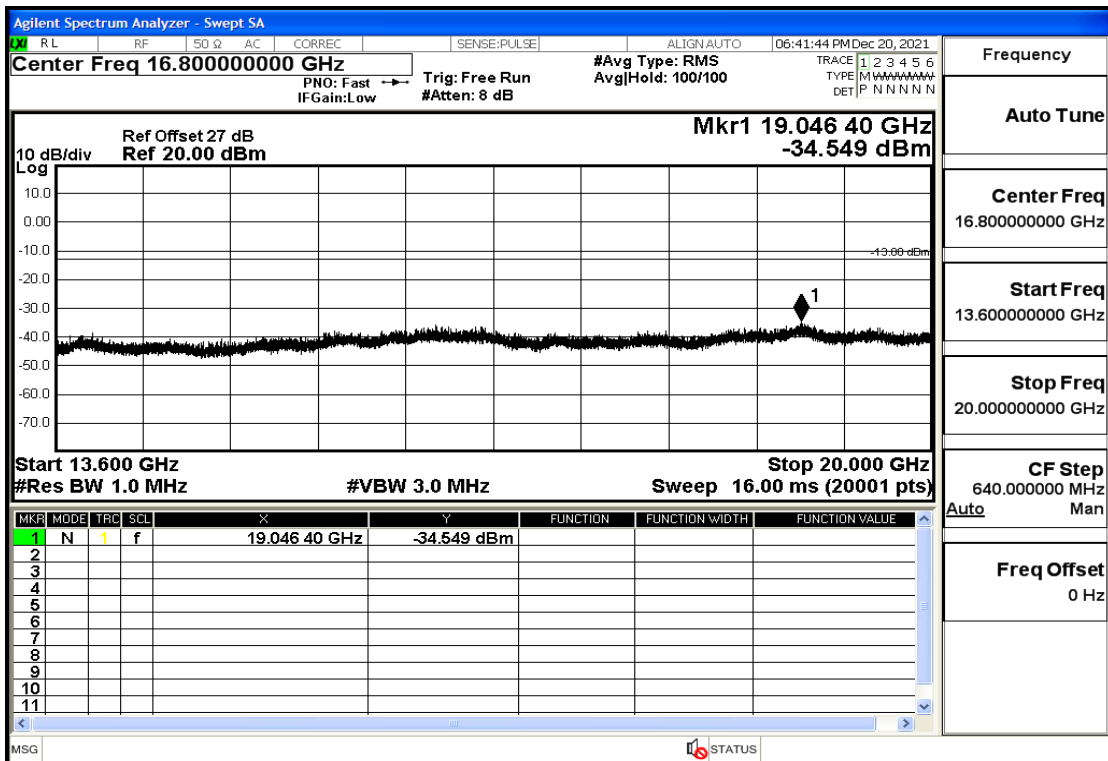
OB4-10-1750-Q16-50#LOW@1GHz-7GHz@Pass



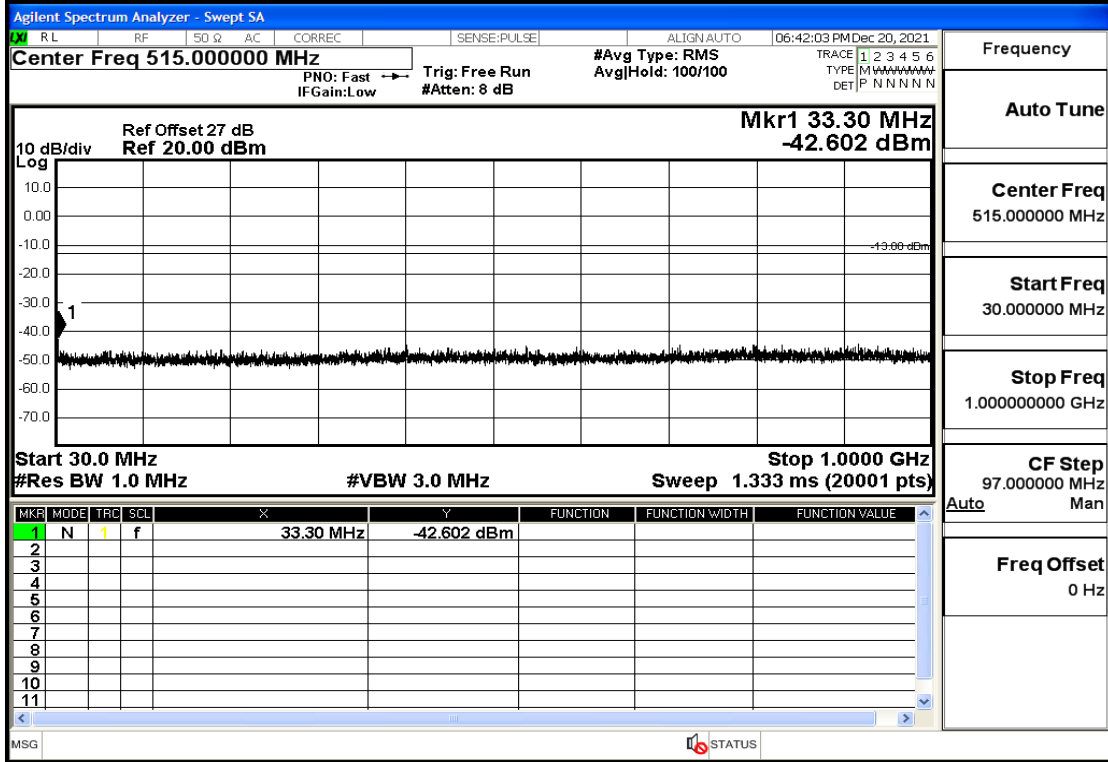
OB4-10-1750-Q16-50#LOW@7GHz-13.6GHz@Pass



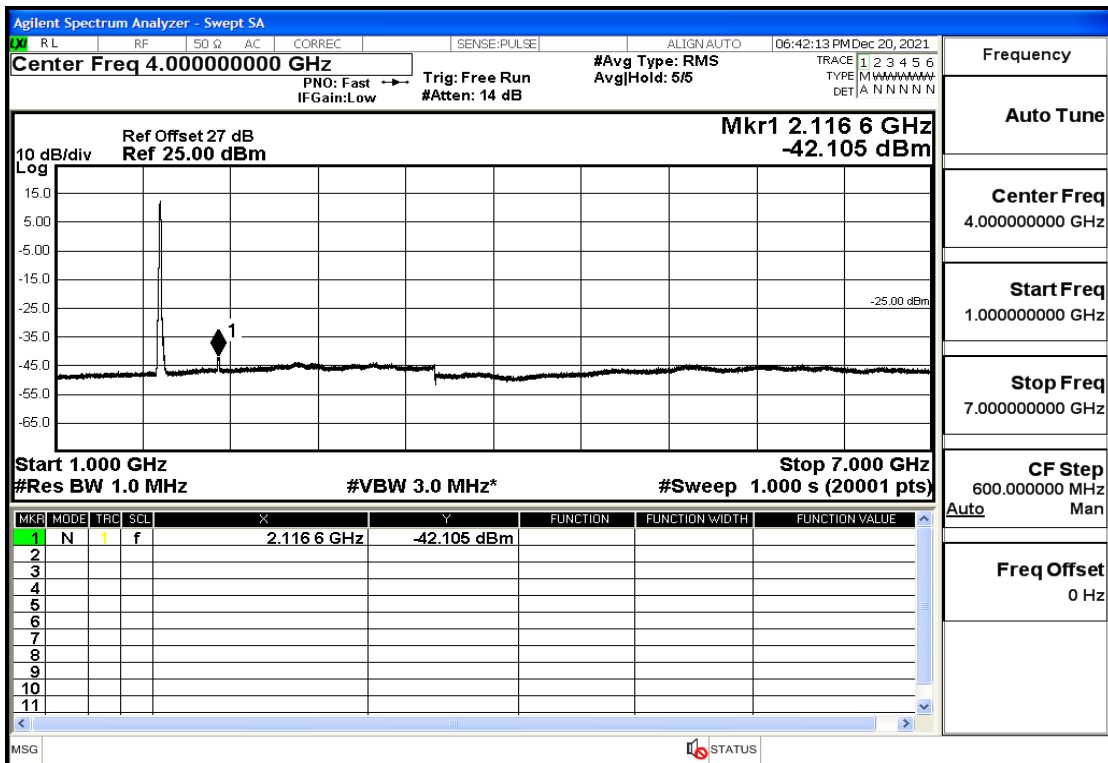
OB4-10-1750-Q16-50#LOW@13.6GHz-20GHz@Pass



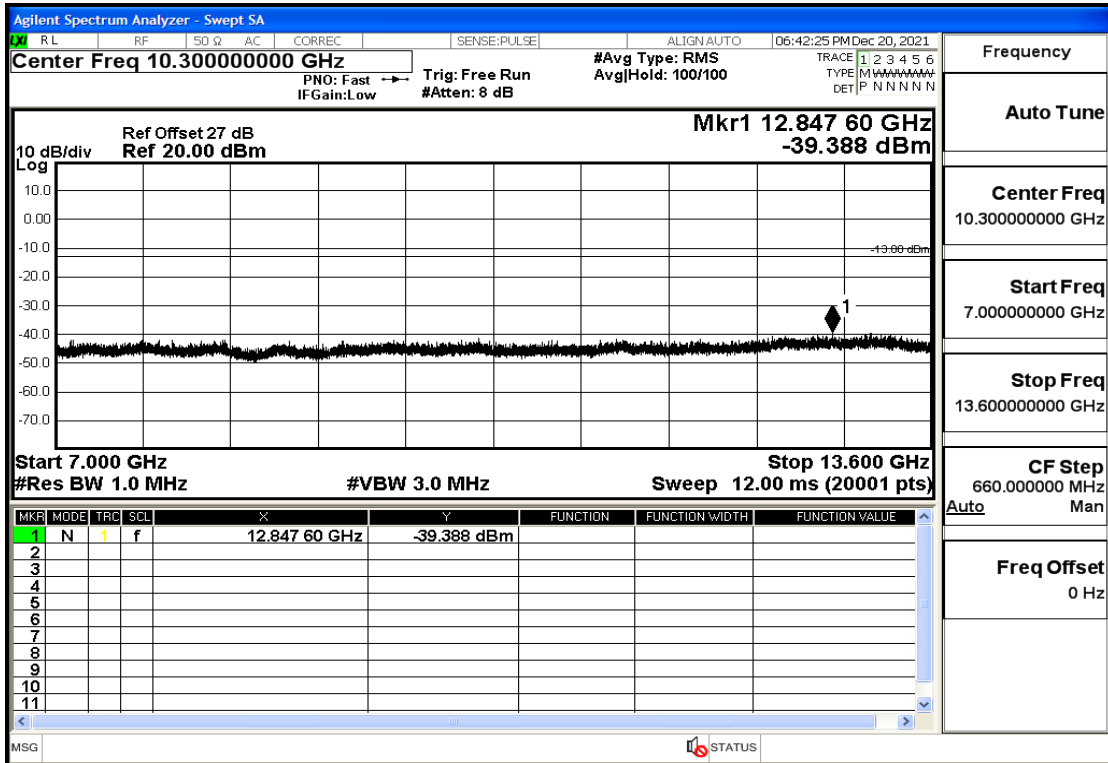
OB4-15-1717.5-Q16-75#LOW@30mHz-1GHz@Pass



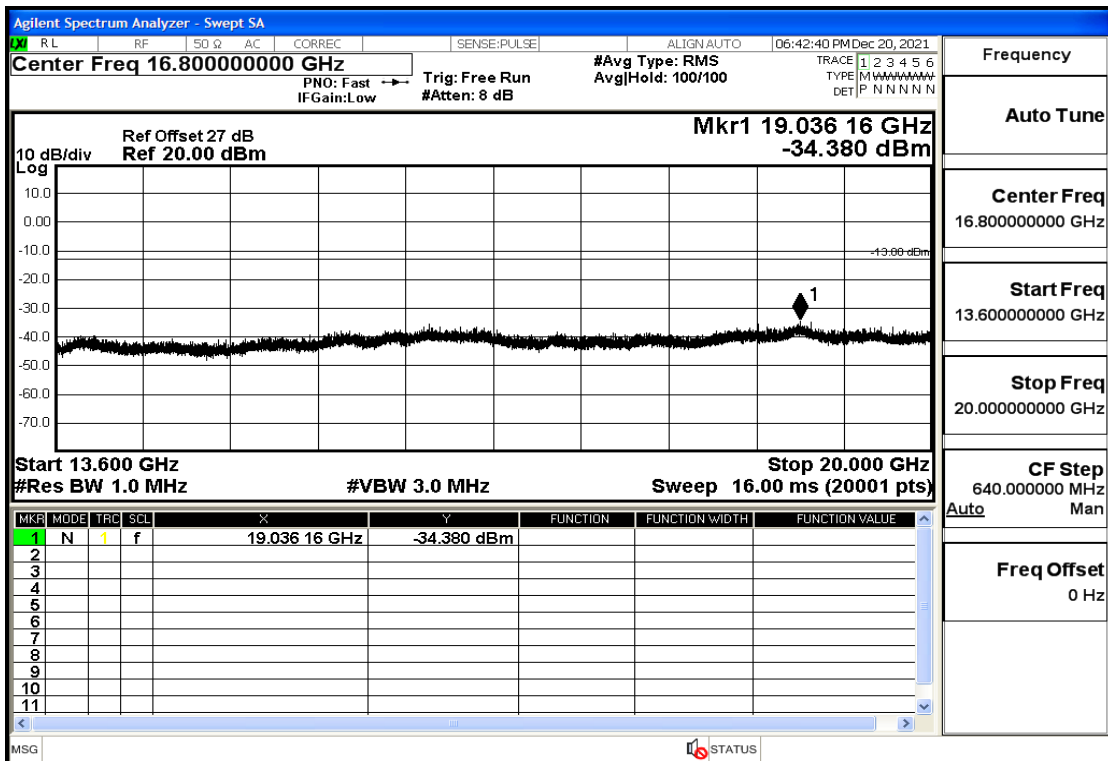
OB4-15-1717.5-Q16-75#LOW@1GHz-7GHz@Pass



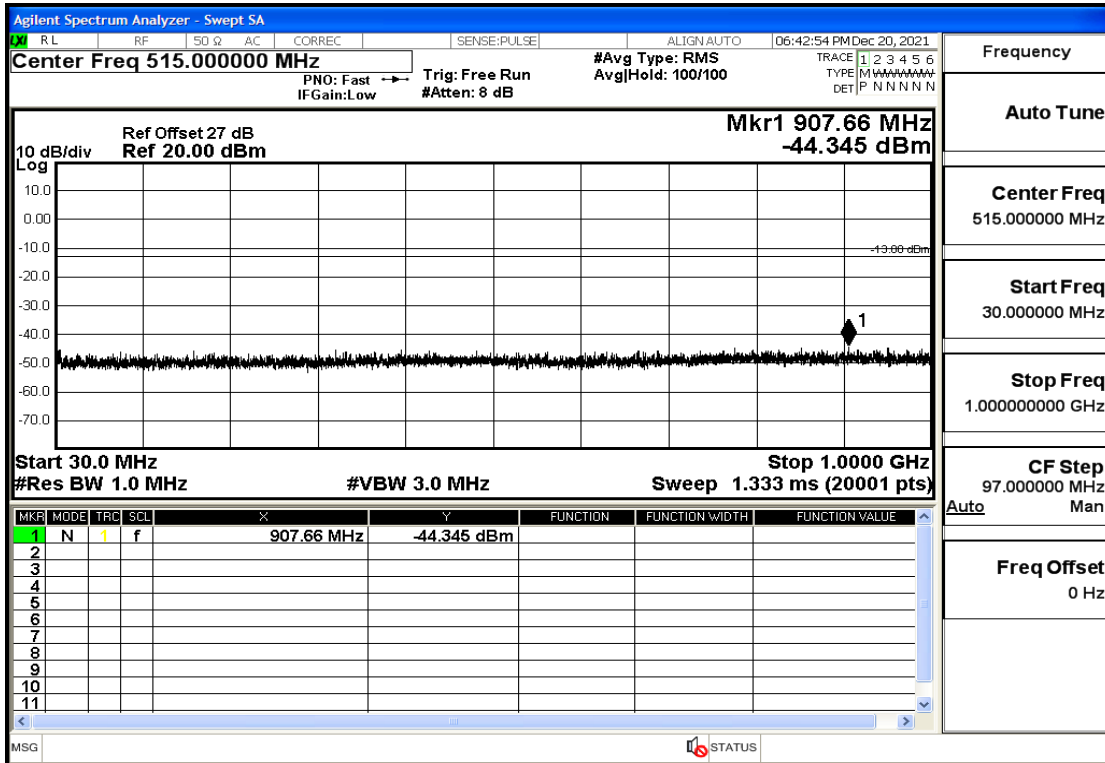
OB4-15-1717.5-Q16-75#LOW@7GHz-13.6GHz@Pass



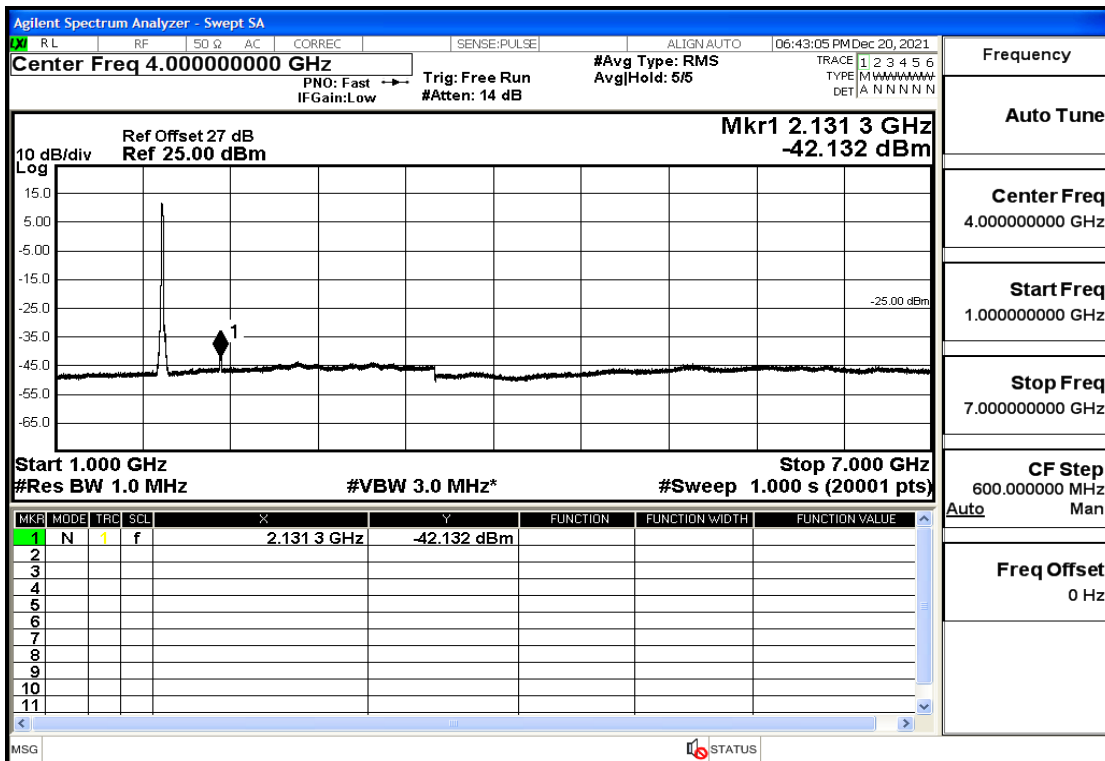
OB4-15-1717.5-Q16-75#LOW@13.6GHz-20GHz@Pass



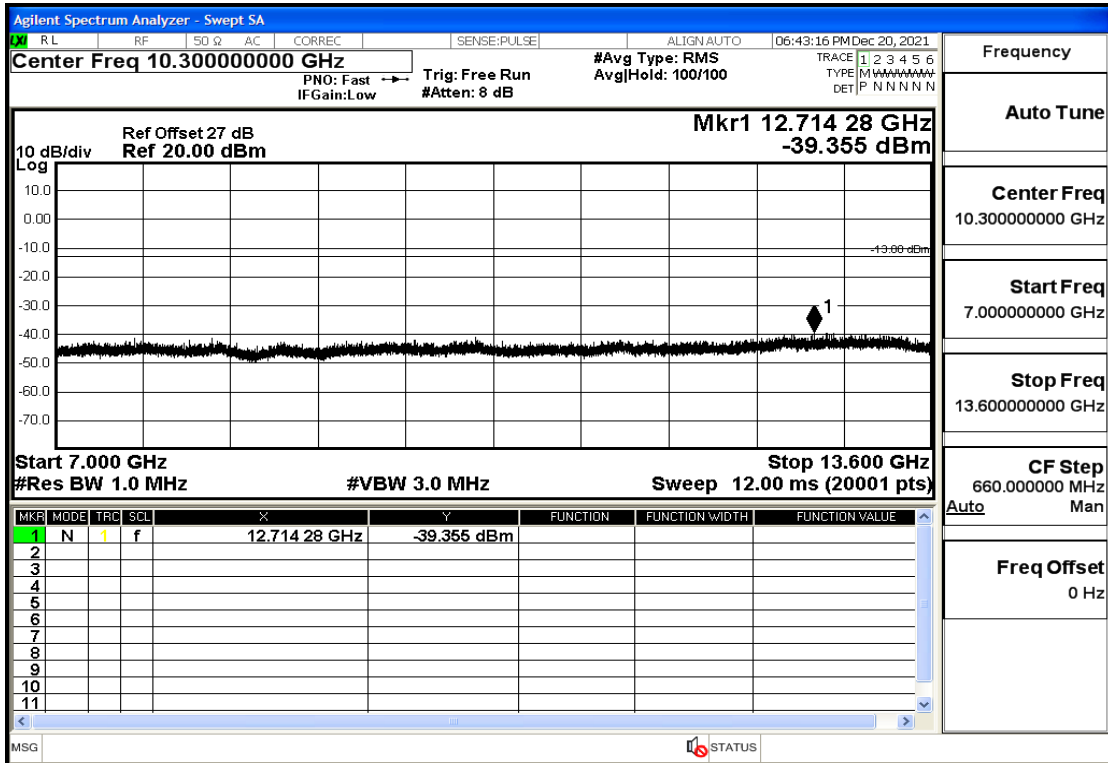
OB4-15-1732.5-Q16-75#LOW@30mHz-1GHz@Pass



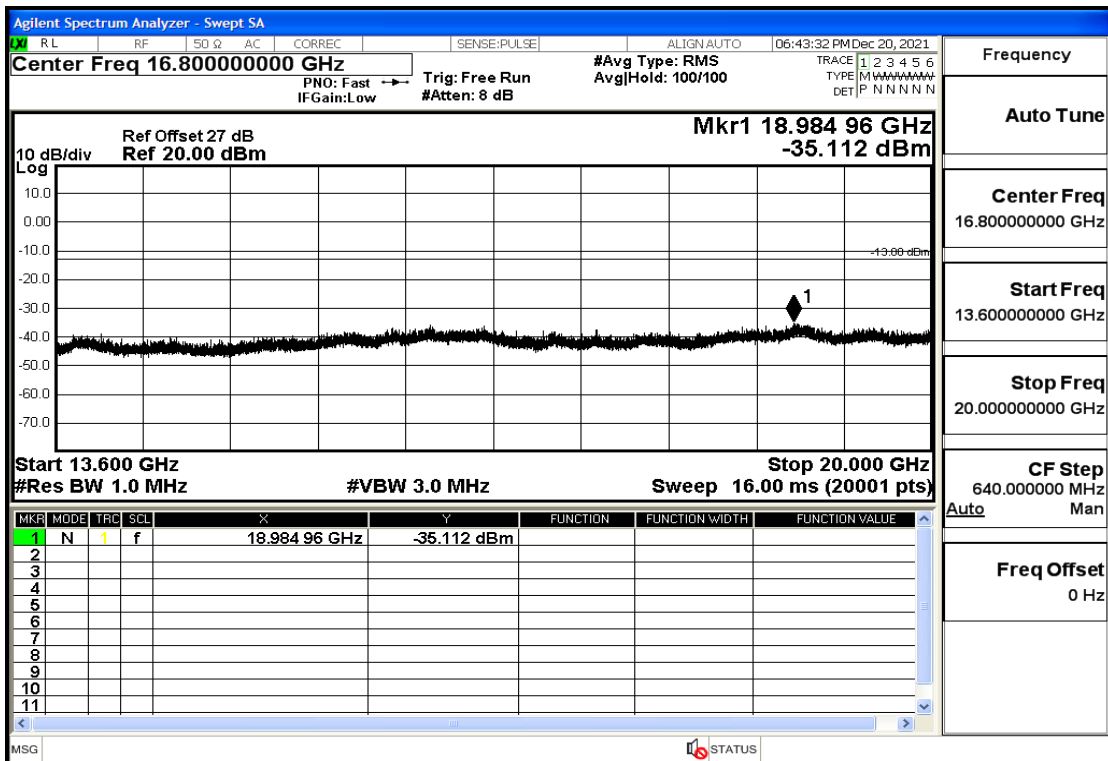
OB4-15-1732.5-Q16-75#LOW@1GHz-7GHz@Pass



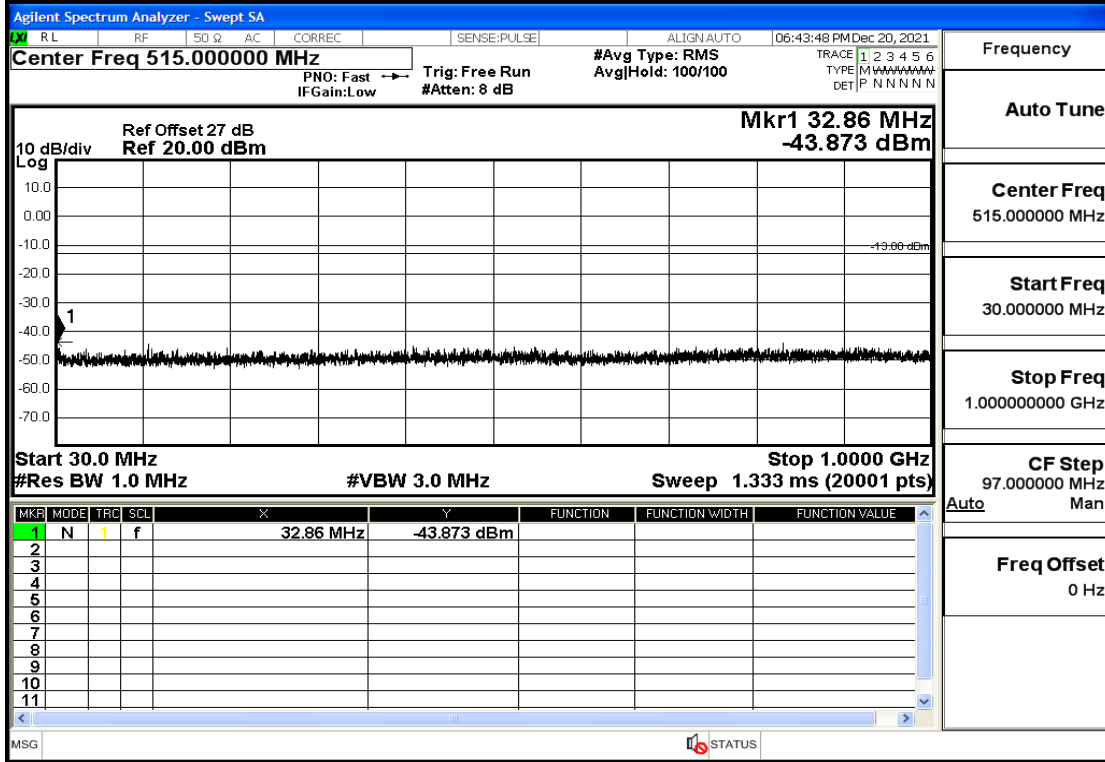
OB4-15-1732.5-Q16-75#LOW@7GHz-13.6GHz@Pass



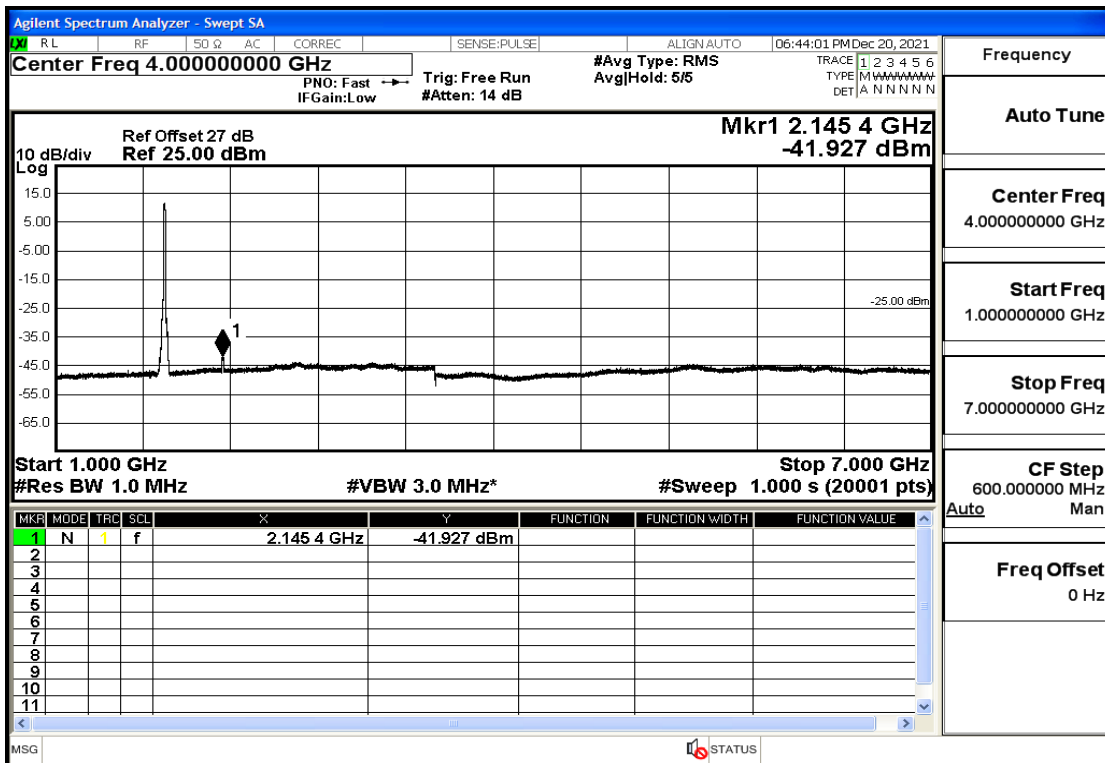
OB4-15-1732.5-Q16-75#LOW@13.6GHz-20GHz@Pass



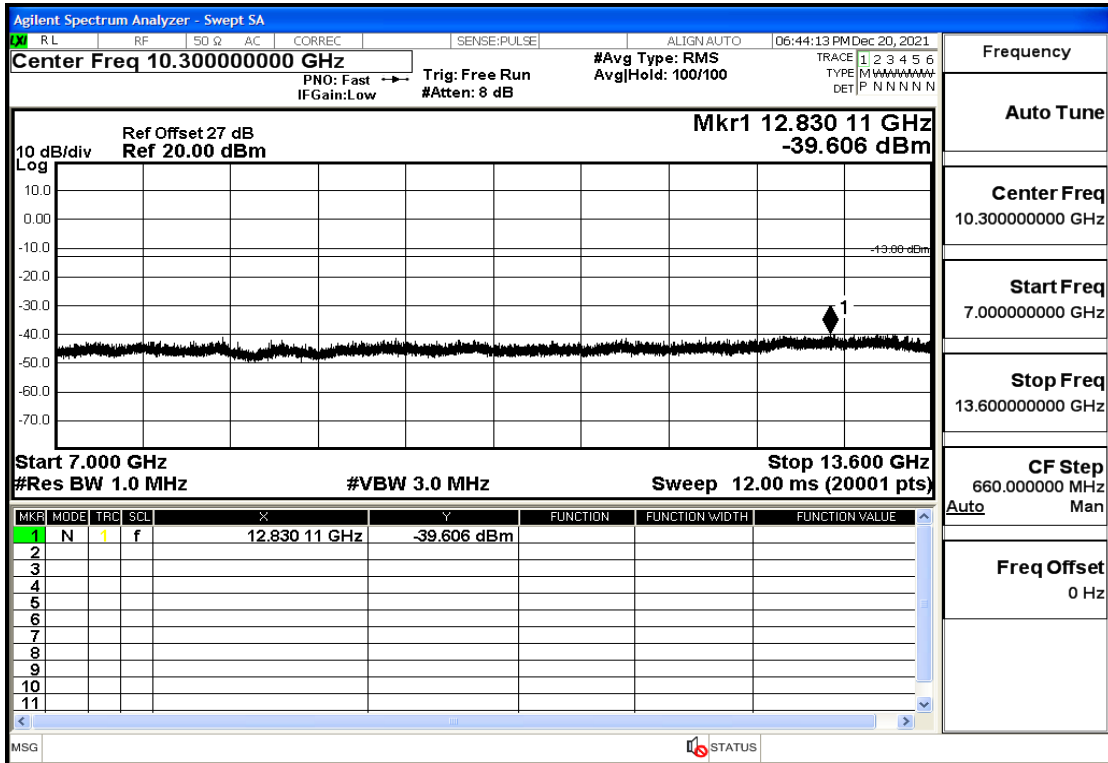
OB4-15-1747.5-Q16-75#LOW@30mHz-1GHz@Pass



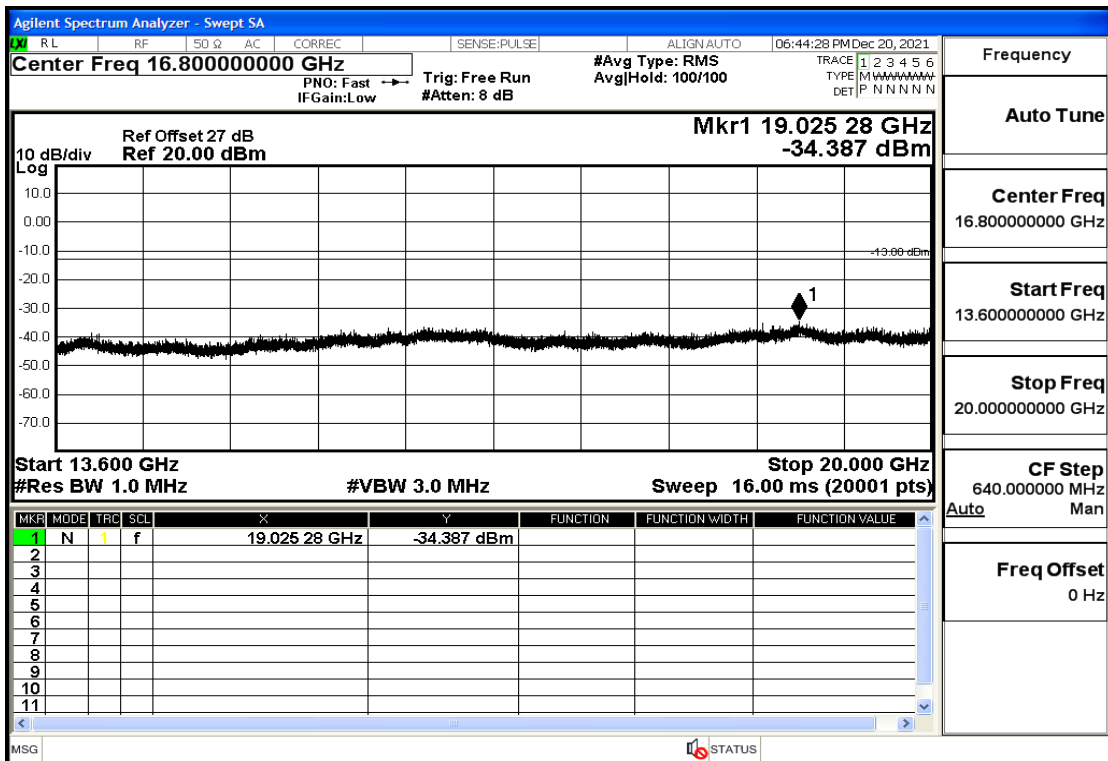
OB4-15-1747.5-Q16-75#LOW@1GHz-7GHz@Pass



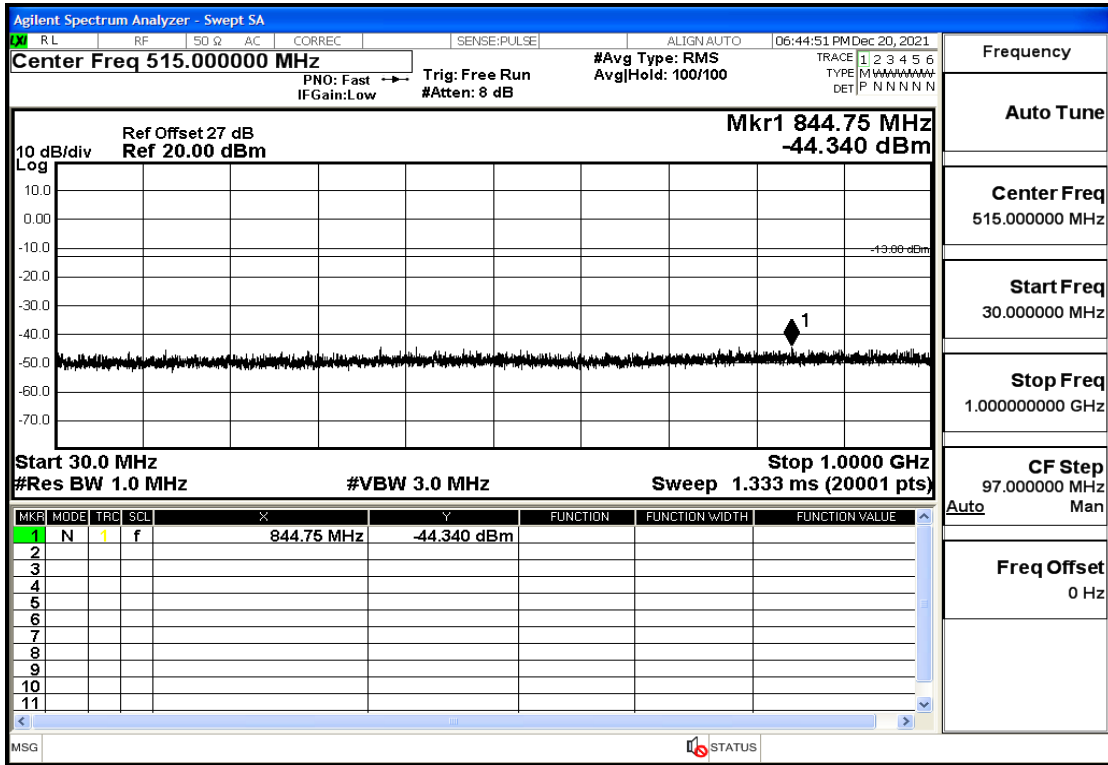
OB4-15-1747.5-Q16-75#LOW@7GHz-13.6GHz@Pass



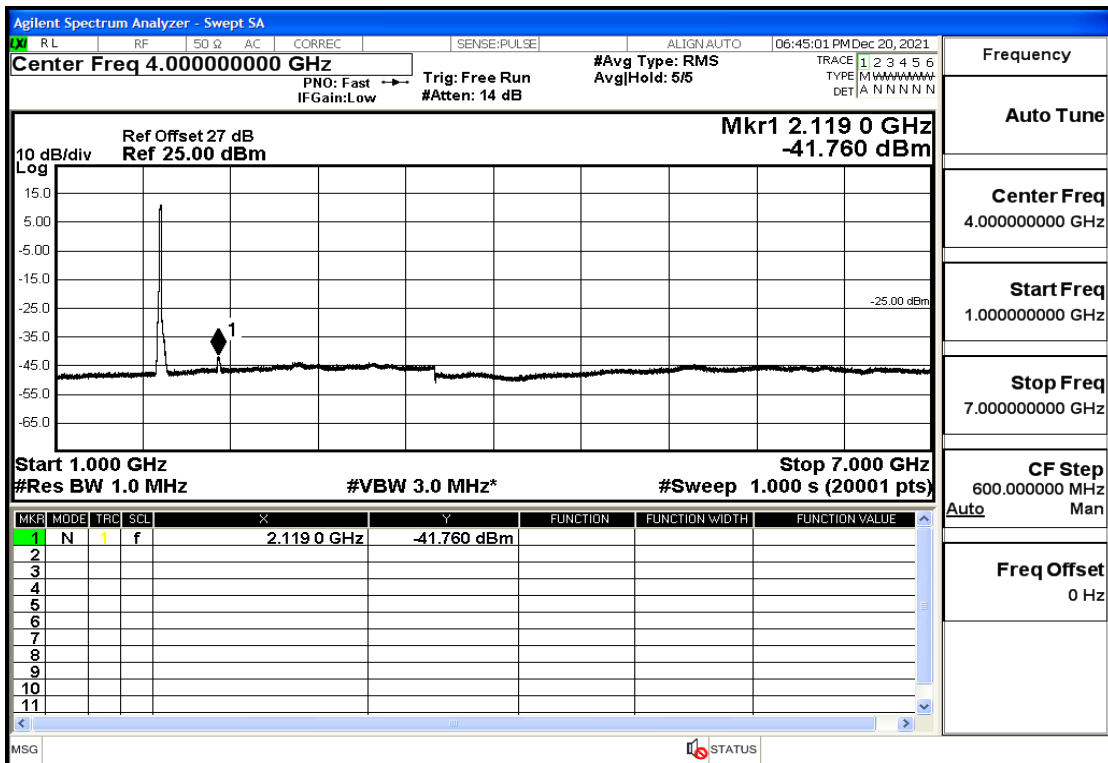
OB4-15-1747.5-Q16-75#LOW@13.6GHz-20GHz@Pass



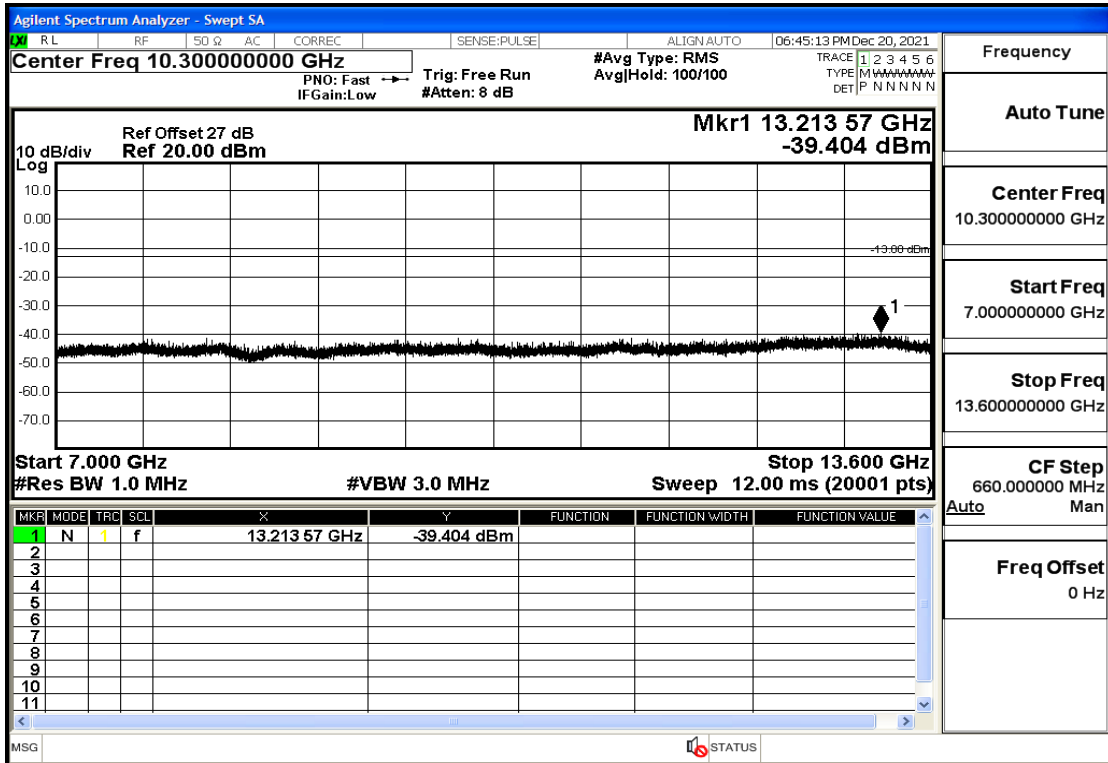
OB4-20-1720-Q16-100#LOW@30mHz-1GHz@Pass



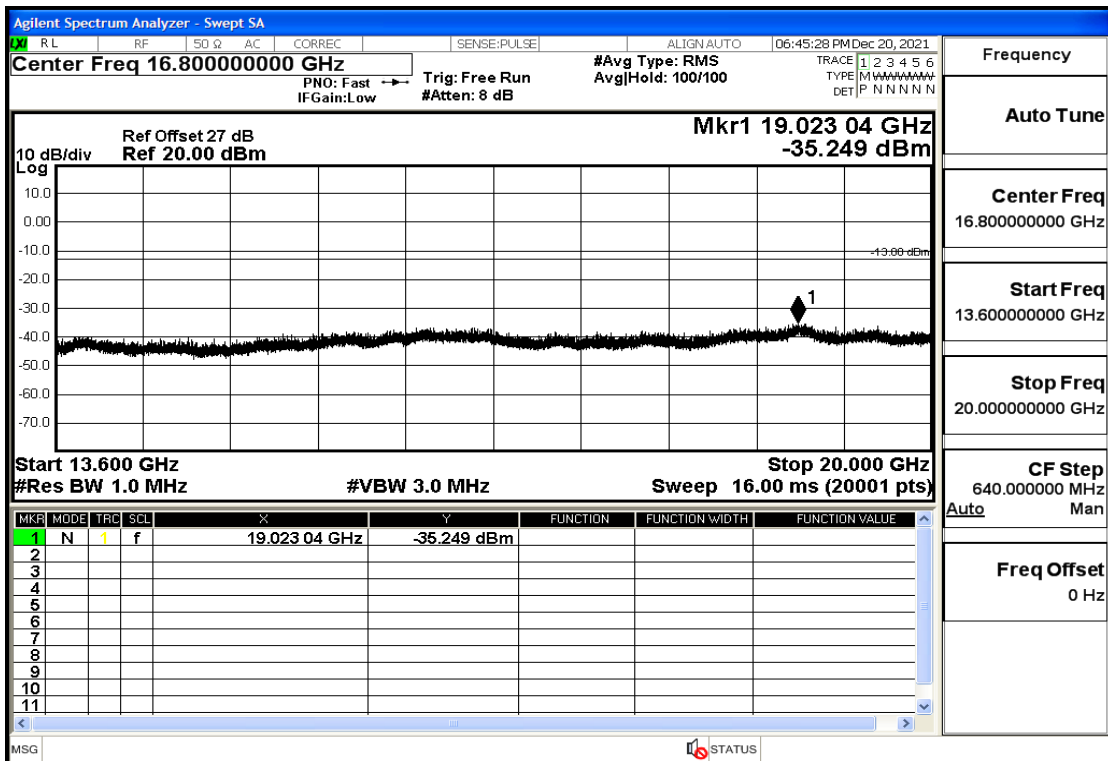
OB4-20-1720-Q16-100#LOW@1GHz-7GHz@Pass



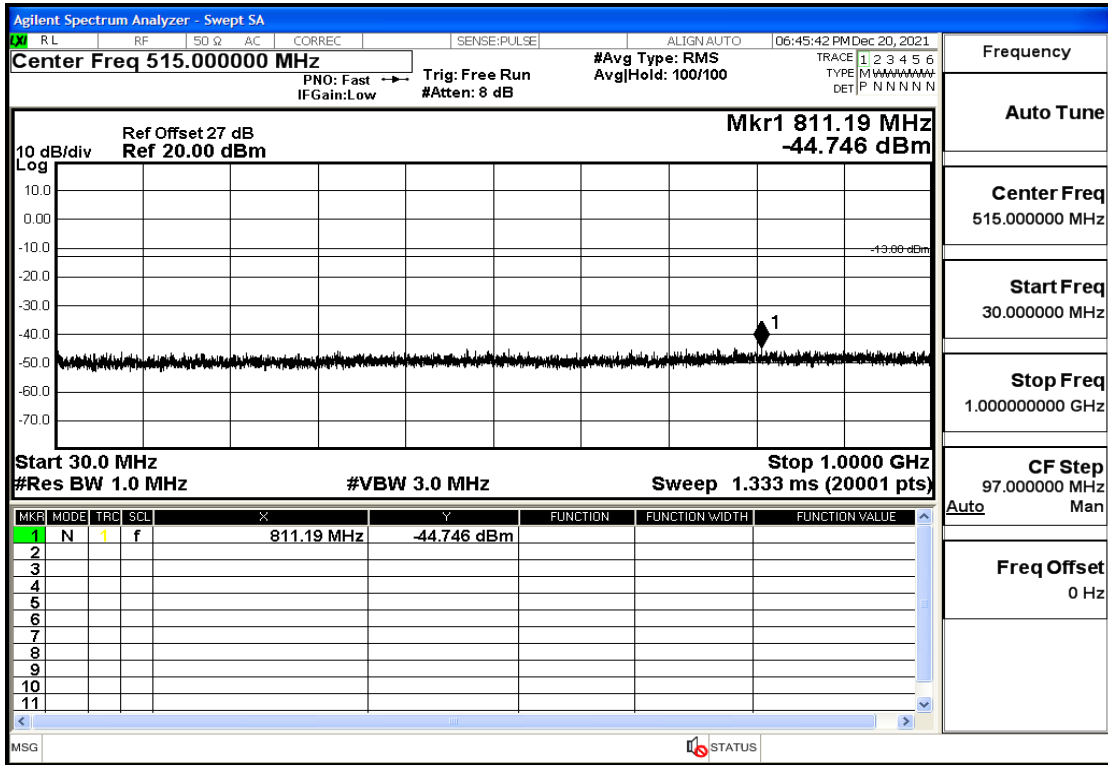
OB4-20-1720-Q16-100#LOW@7GHz-13.6GHz@Pass



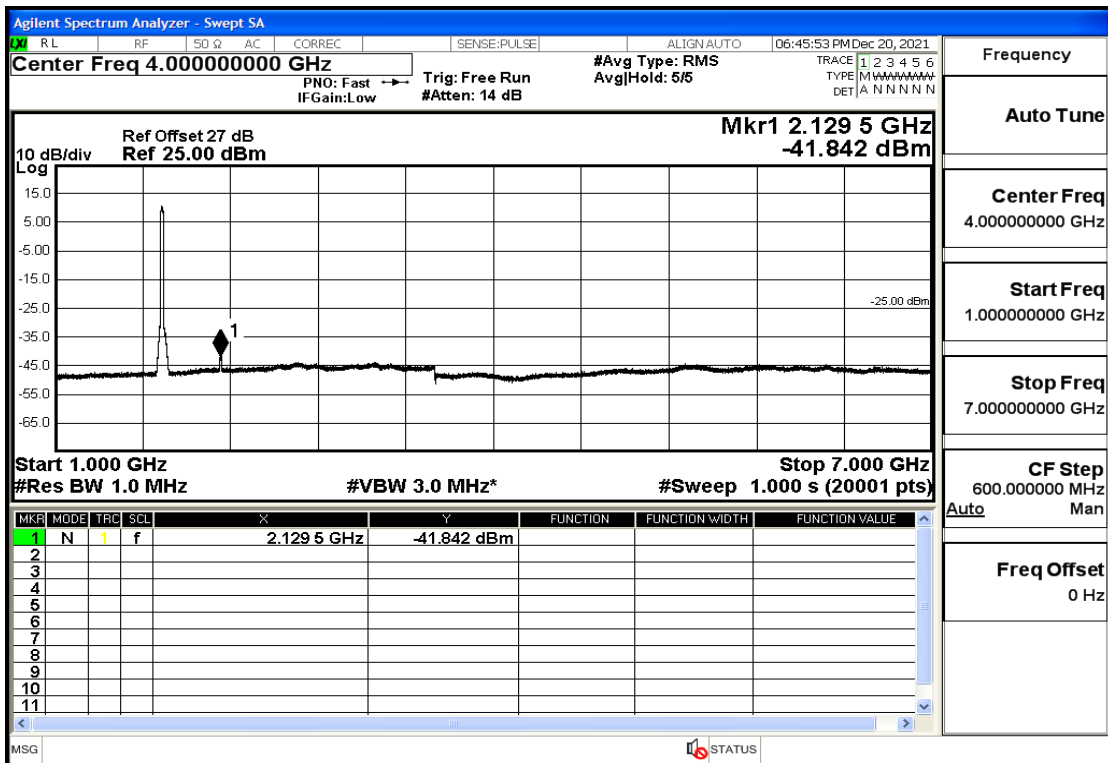
OB4-20-1720-Q16-100#LOW@13.6GHz-20GHz@Pass



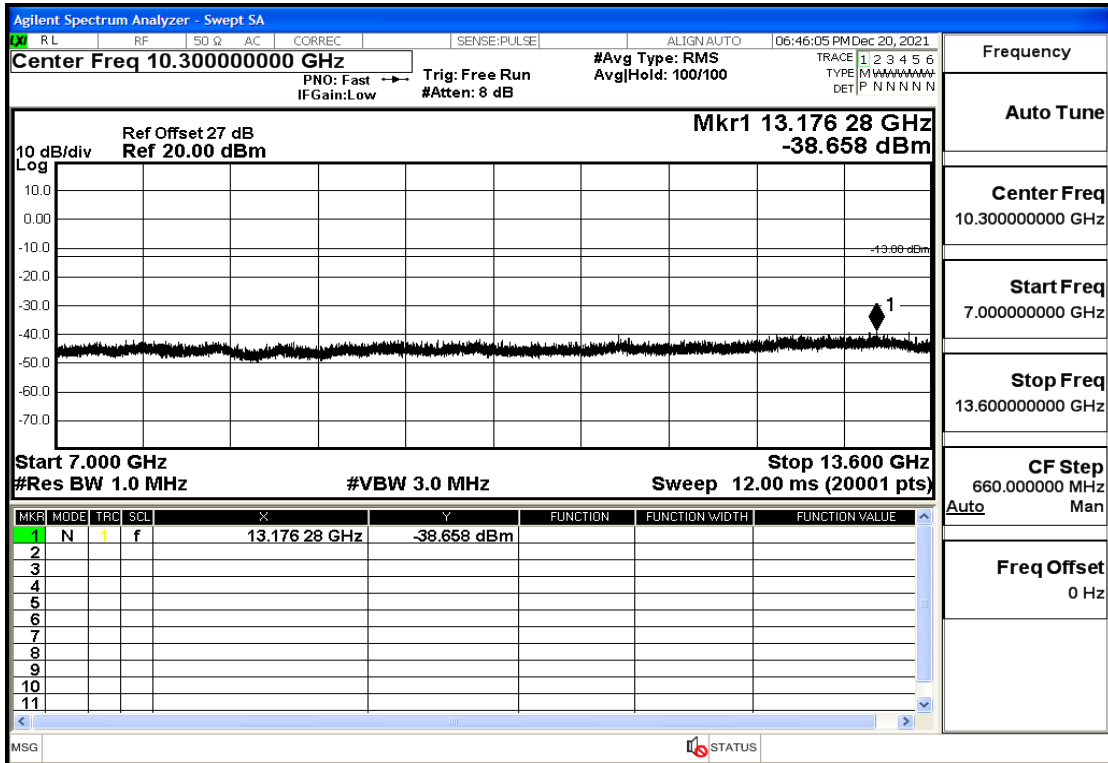
OB4-20-1732.5-Q16-100#LOW@30mHz-1GHz@Pass



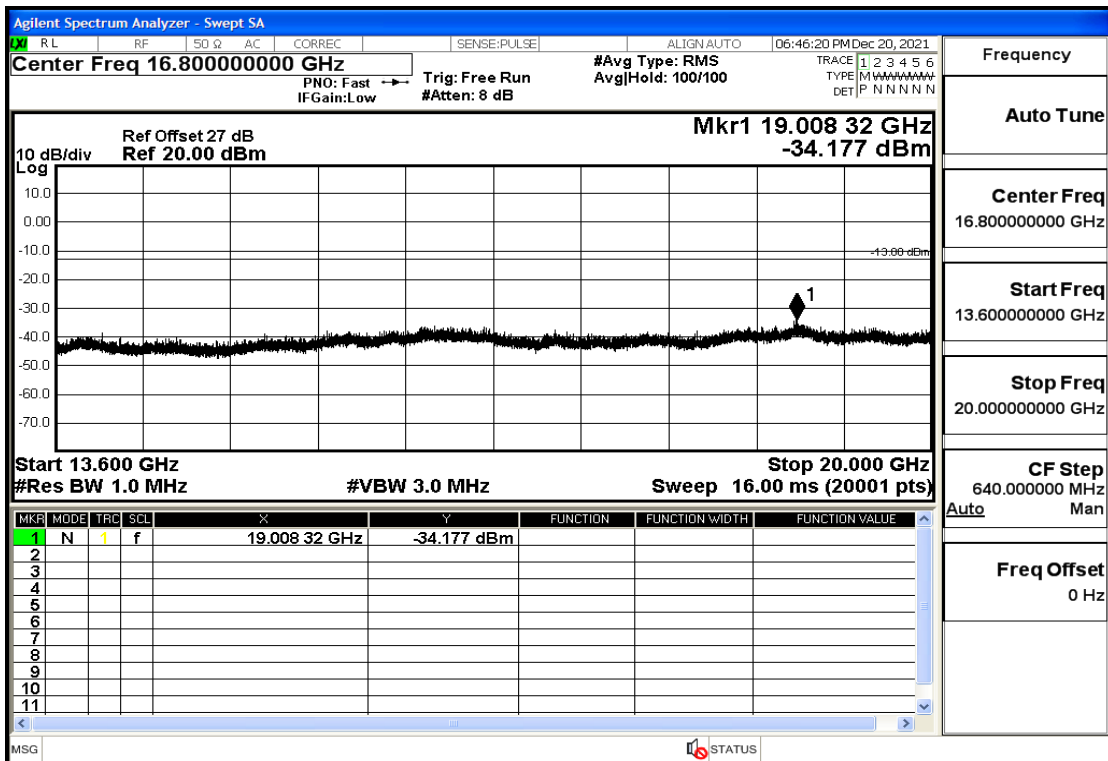
OB4-20-1732.5-Q16-100#LOW@1GHz-7GHz@Pass



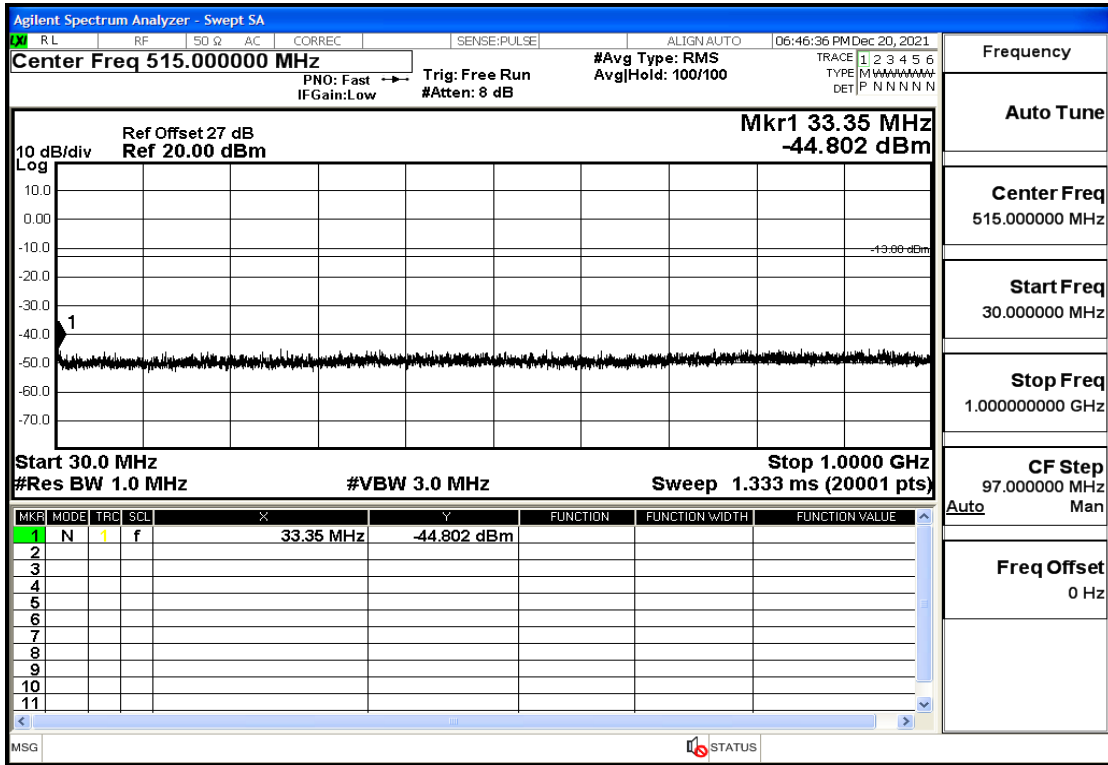
OB4-20-1732.5-Q16-100#LOW@7GHz-13.6GHz@Pass



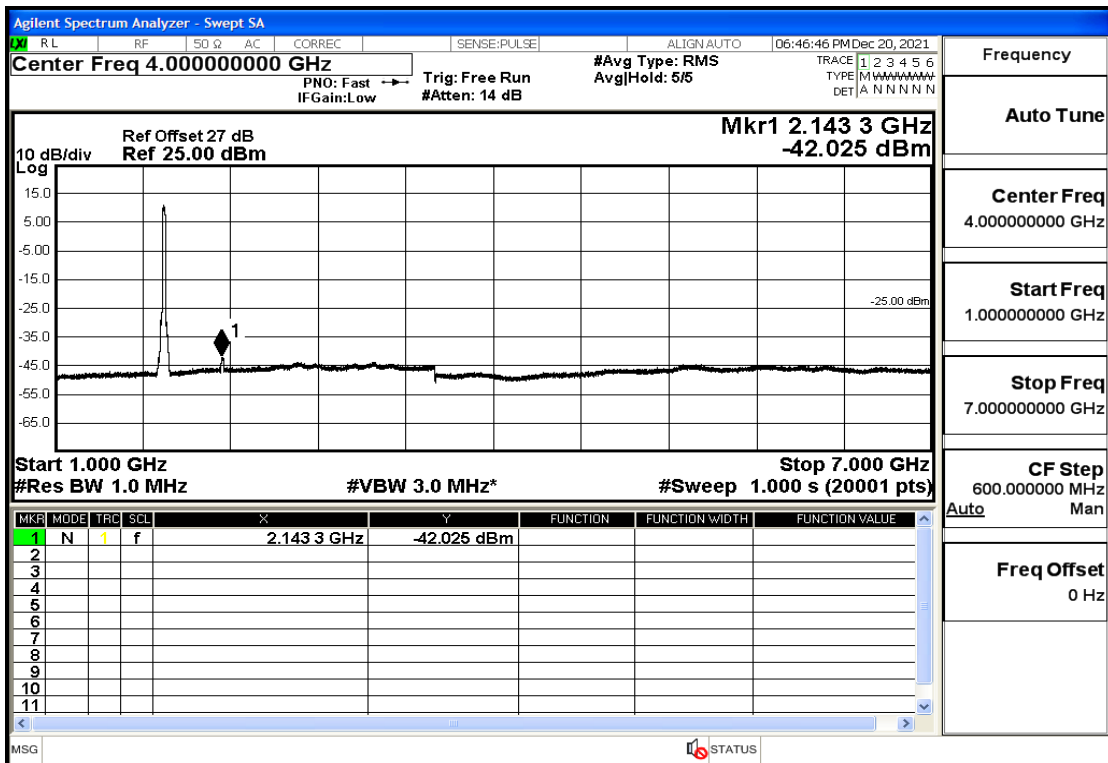
OB4-20-1732.5-Q16-100#LOW@13.6GHz-20GHz@Pass



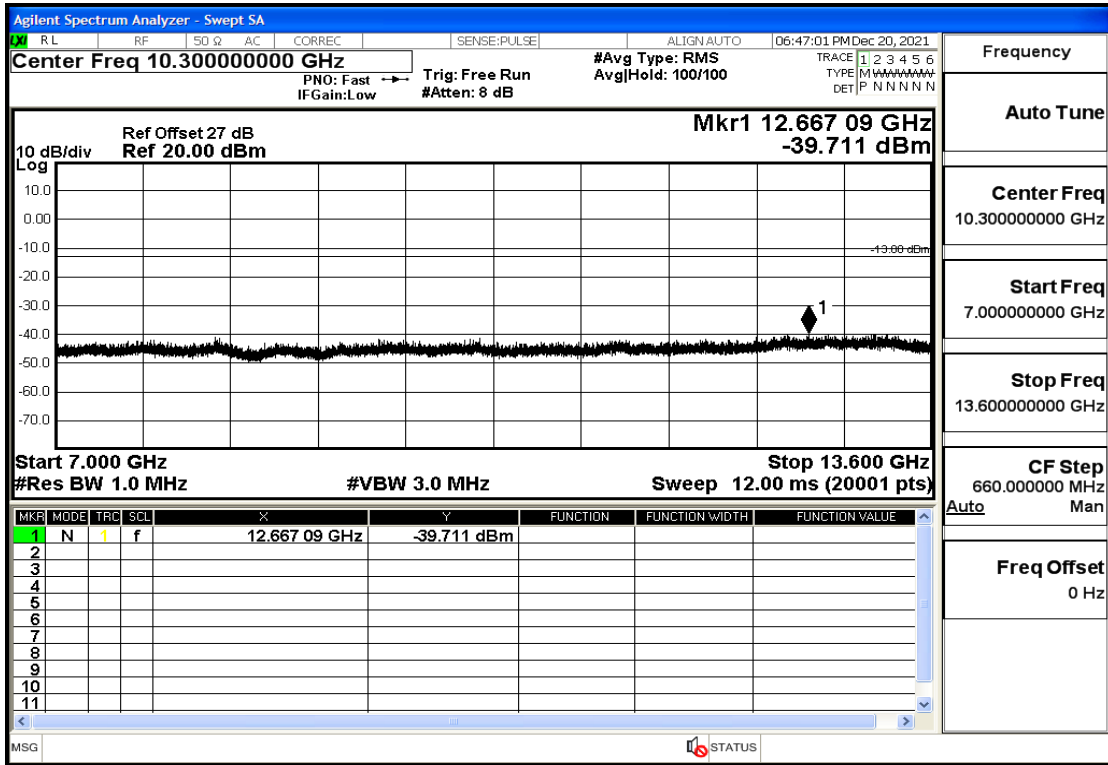
OB4-20-1745-Q16-100#LOW@30mHz-1GHz@Pass



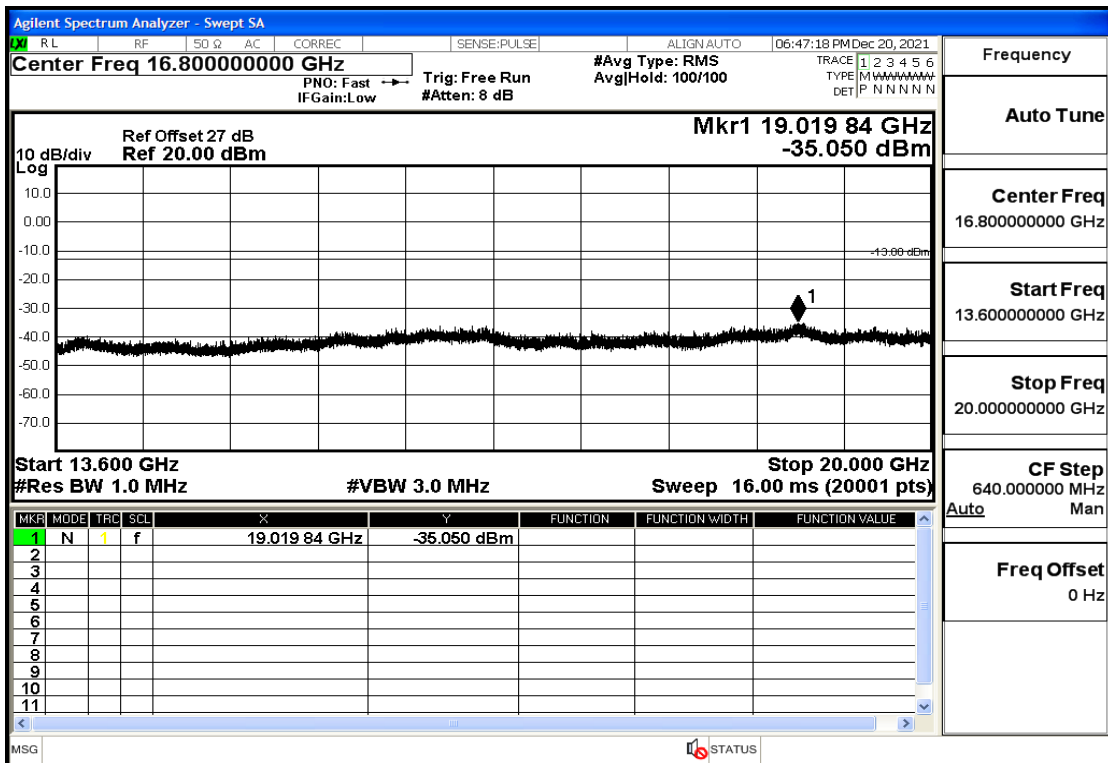
OB4-20-1745-Q16-100#LOW@1GHz-7GHz@Pass



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



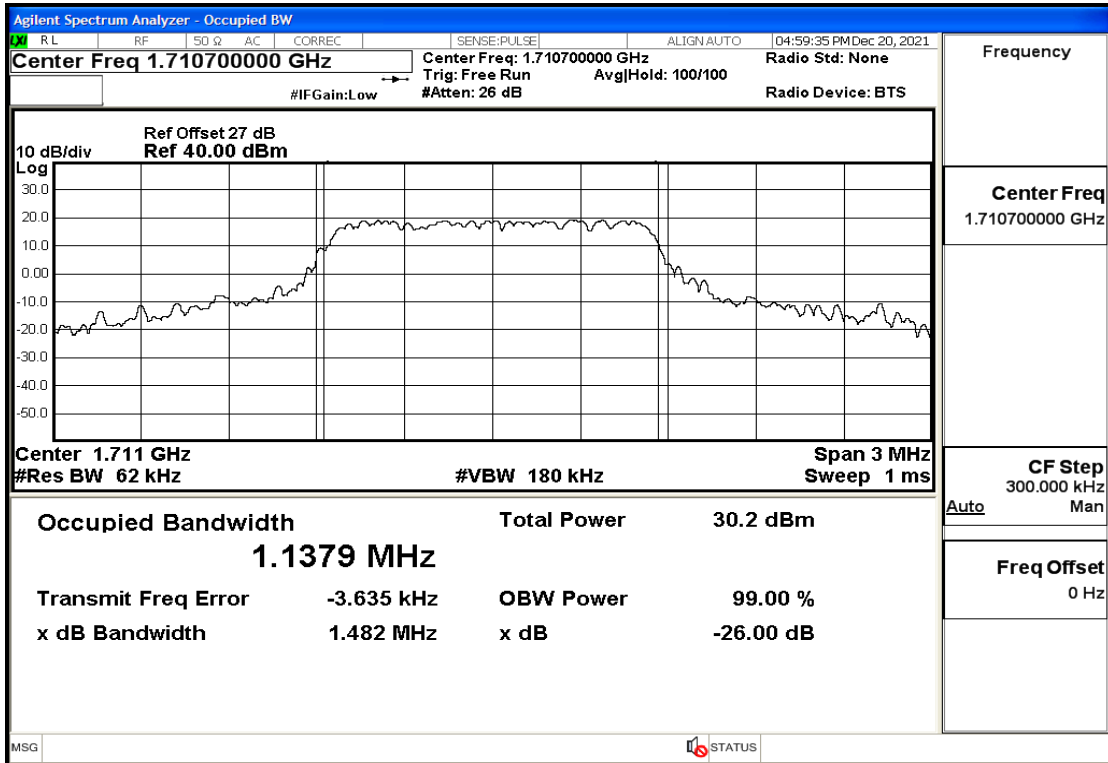
OB4-20-1745-Q16-100#LOW@13.6GHz-20GHz@Pass



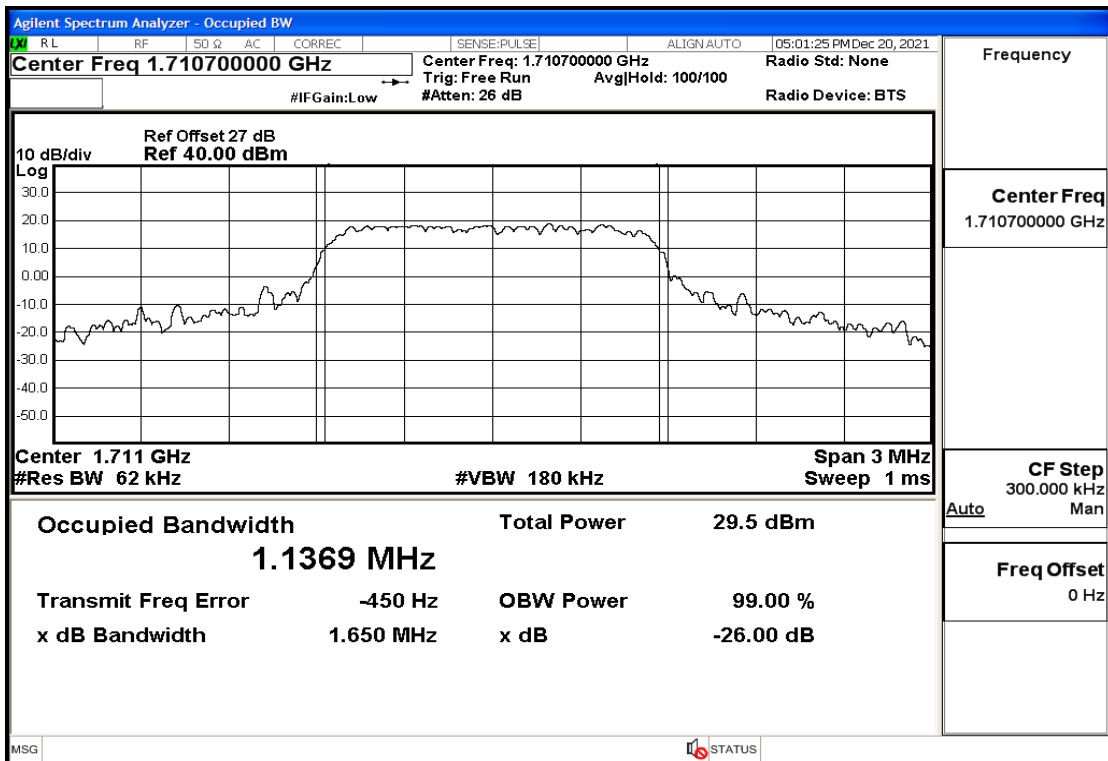
Emission bandwidth and OBW

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	1137.9	1482	No limit
Band4	1.4	1710.7	16QAM	6	LOW	1136.9	1650	No limit
Band4	1.4	1732.5	QPSK	6	LOW	1108	1266	No limit
Band4	1.4	1732.5	16QAM	6	LOW	1114.2	1329	No limit
Band4	1.4	1754.3	QPSK	6	LOW	1115.7	1369	No limit
Band4	1.4	1754.3	16QAM	6	LOW	1119.5	1321	No limit
Band4	3	1711.5	QPSK	15	LOW	2774.6	3099	No limit
Band4	3	1711.5	16QAM	15	LOW	2761.7	3047	No limit
Band4	3	1732.5	QPSK	15	LOW	2763.8	3072	No limit
Band4	3	1732.5	16QAM	15	LOW	2746.3	3075	No limit
Band4	3	1753.5	QPSK	15	LOW	2754.5	3050	No limit
Band4	3	1753.5	16QAM	15	LOW	2750.9	3074	No limit
Band4	5	1712.5	QPSK	25	LOW	4586.2	5088	No limit
Band4	5	1712.5	16QAM	25	LOW	4566	5072	No limit
Band4	5	1732.5	QPSK	25	LOW	4571.9	5137	No limit
Band4	5	1732.5	16QAM	25	LOW	4559.1	5089	No limit
Band4	5	1752.5	QPSK	25	LOW	4578.5	5123	No limit
Band4	5	1752.5	16QAM	25	LOW	4567.7	5074	No limit
Band4	10	1715	QPSK	50	LOW	9073.8	10150	No limit
Band4	10	1715	16QAM	50	LOW	9053.2	9917	No limit
Band4	10	1732.5	QPSK	50	LOW	9085.1	10080	No limit
Band4	10	1732.5	16QAM	50	LOW	9080.6	10090	No limit
Band4	10	1750	QPSK	50	LOW	9043.3	10090	No limit
Band4	10	1750	16QAM	50	LOW	9096.9	9960	No limit
Band4	15	1717.5	QPSK	75	LOW	13579	14970	No limit
Band4	15	1717.5	16QAM	75	LOW	13605	15150	No limit
Band4	15	1732.5	QPSK	75	LOW	13616	15030	No limit
Band4	15	1732.5	16QAM	75	LOW	13574	15070	No limit
Band4	15	1747.5	QPSK	75	LOW	13635	15160	No limit
Band4	15	1747.5	16QAM	75	LOW	13645	14890	No limit
Band4	20	1720	QPSK	100	LOW	18075	19860	No limit
Band4	20	1720	16QAM	100	LOW	18003	19710	No limit
Band4	20	1732.5	QPSK	100	LOW	18057	19700	No limit
Band4	20	1732.5	16QAM	100	LOW	18100	19860	No limit
Band4	20	1745	QPSK	100	LOW	18228	20140	No limit
Band4	20	1745	16QAM	100	LOW	18158	19880	No limit

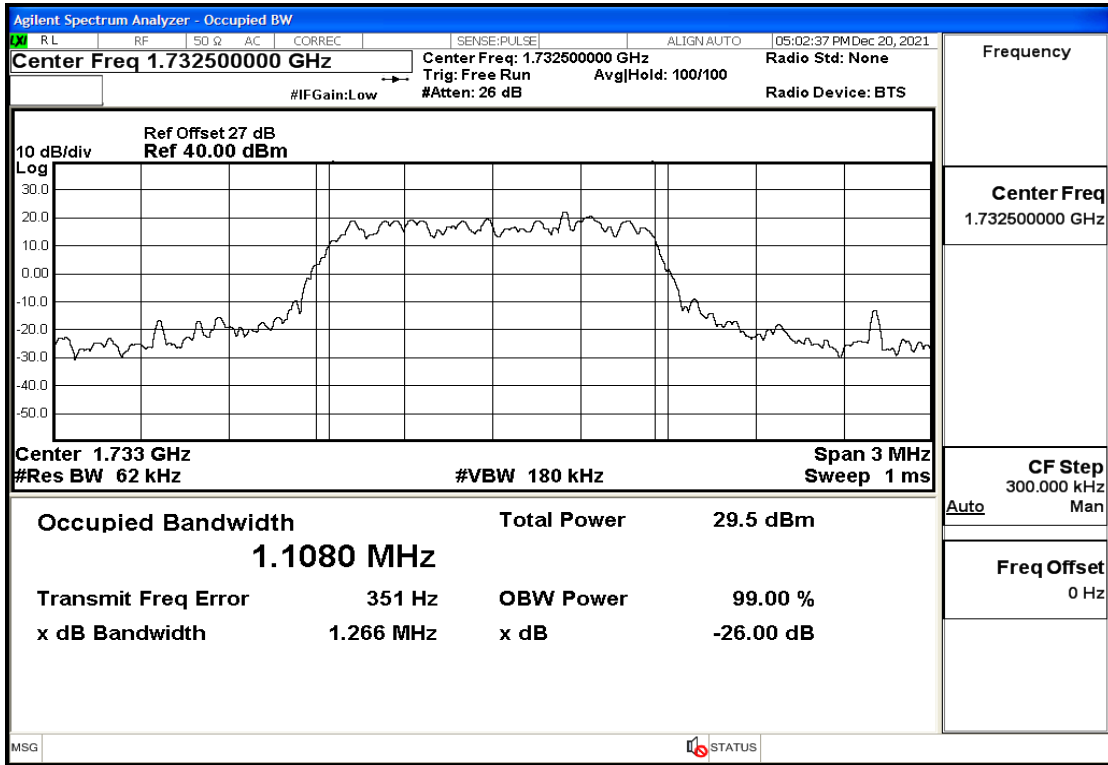
Band4-1.4-1710.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



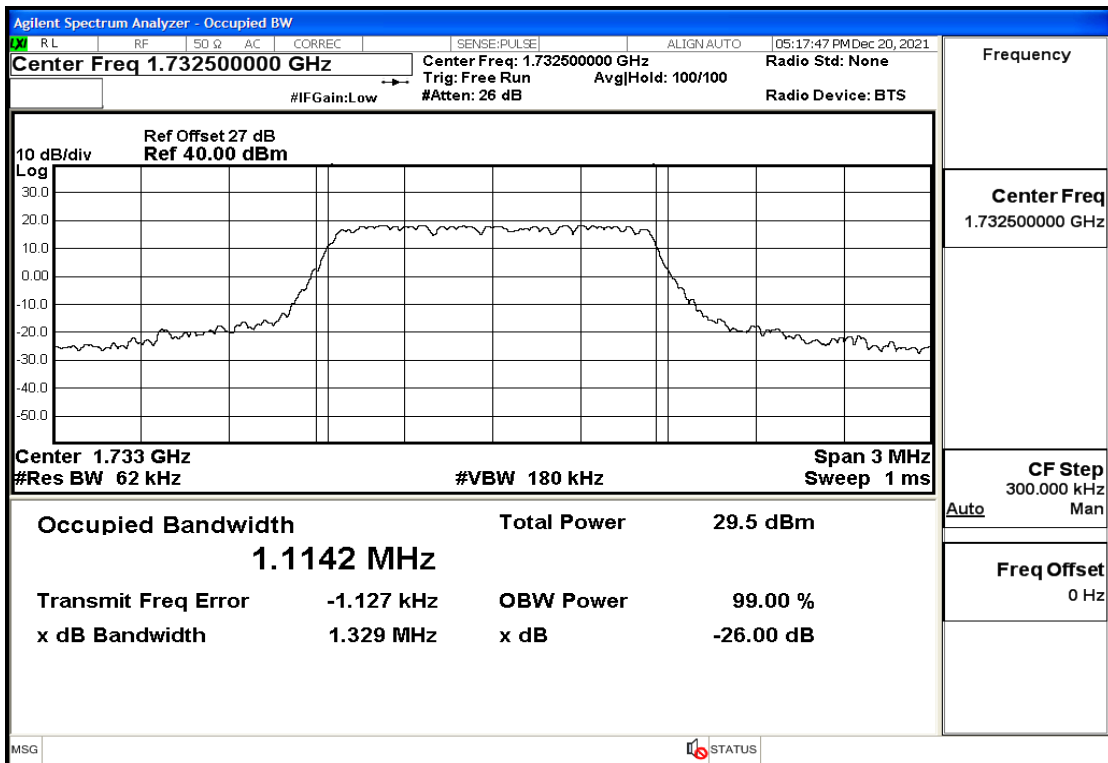
Band4-1.4-1710.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



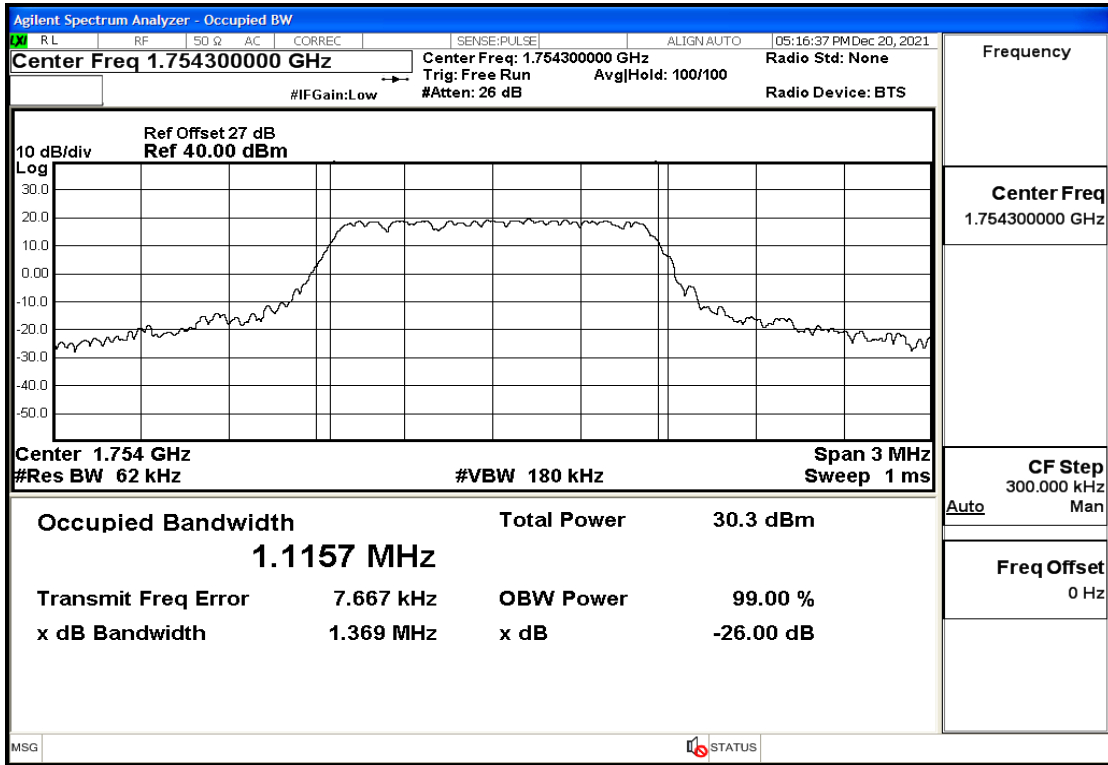
Band4-1.4-1732.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



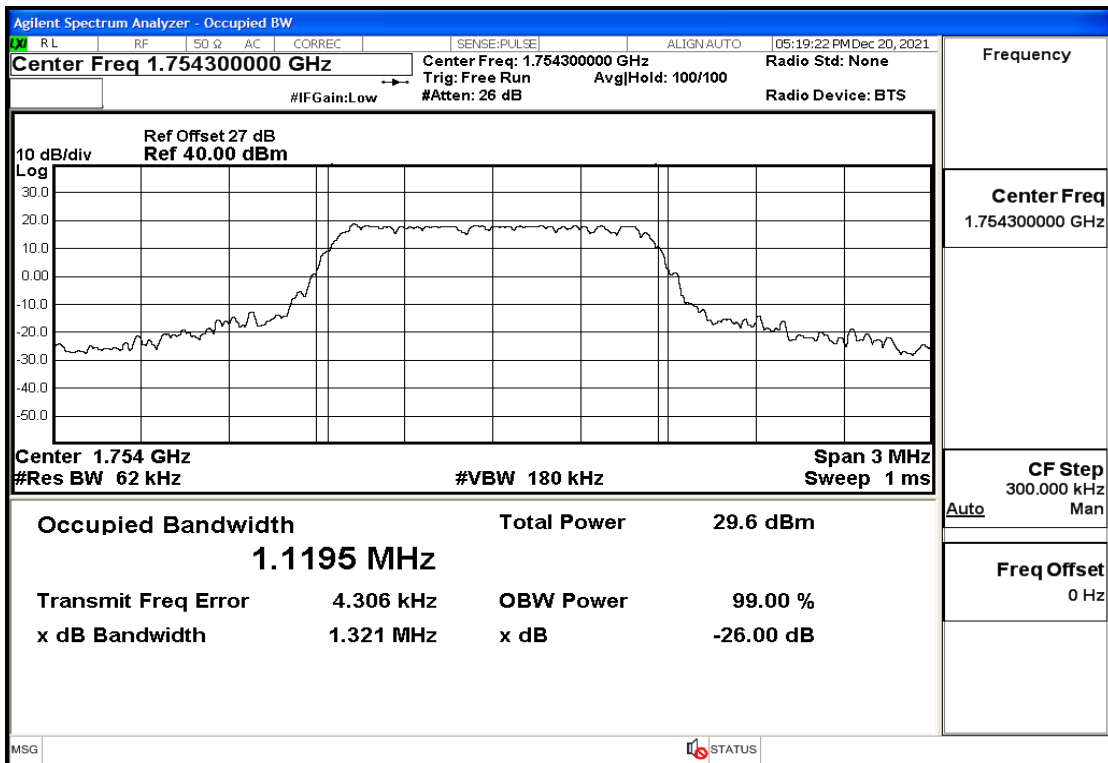
Band4-1.4-1732.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



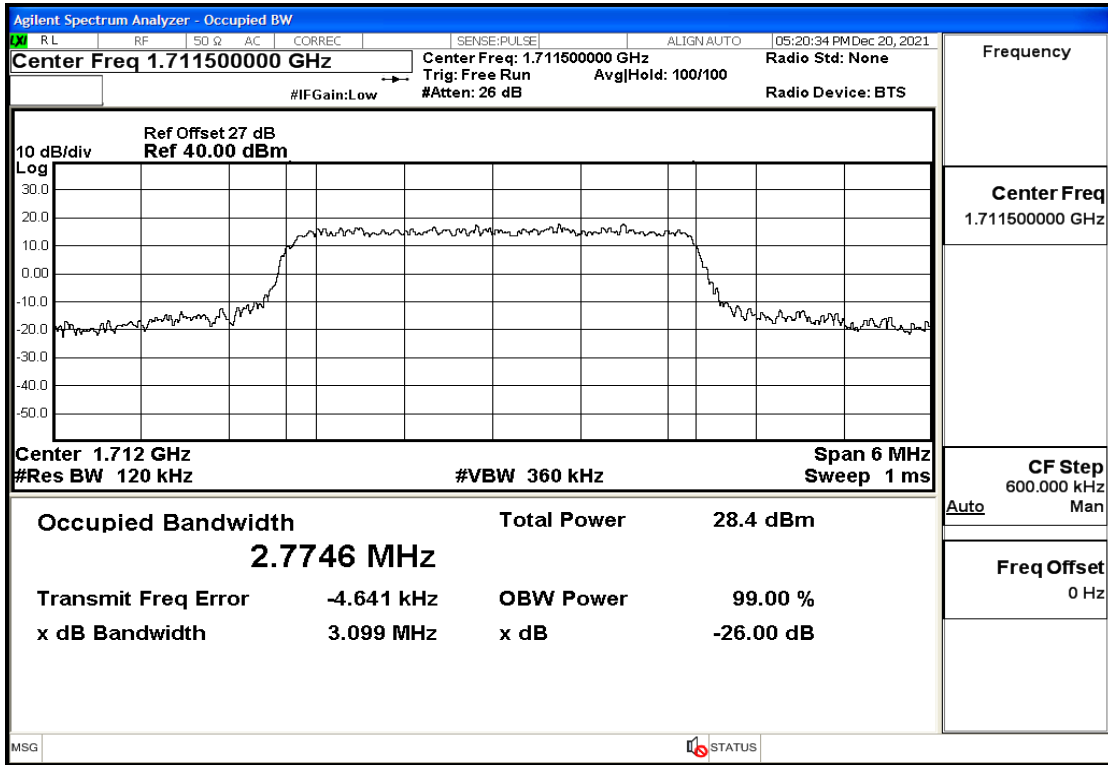
Band4-1.4-1754.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



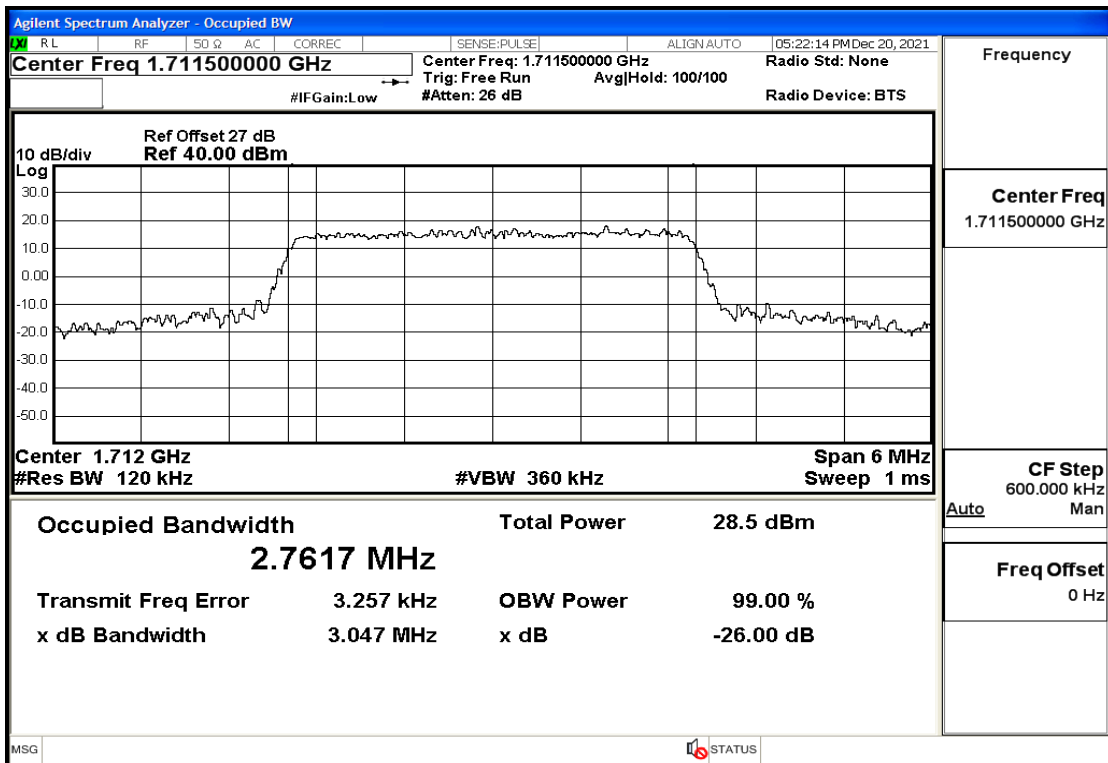
Band4-1.4-1754.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



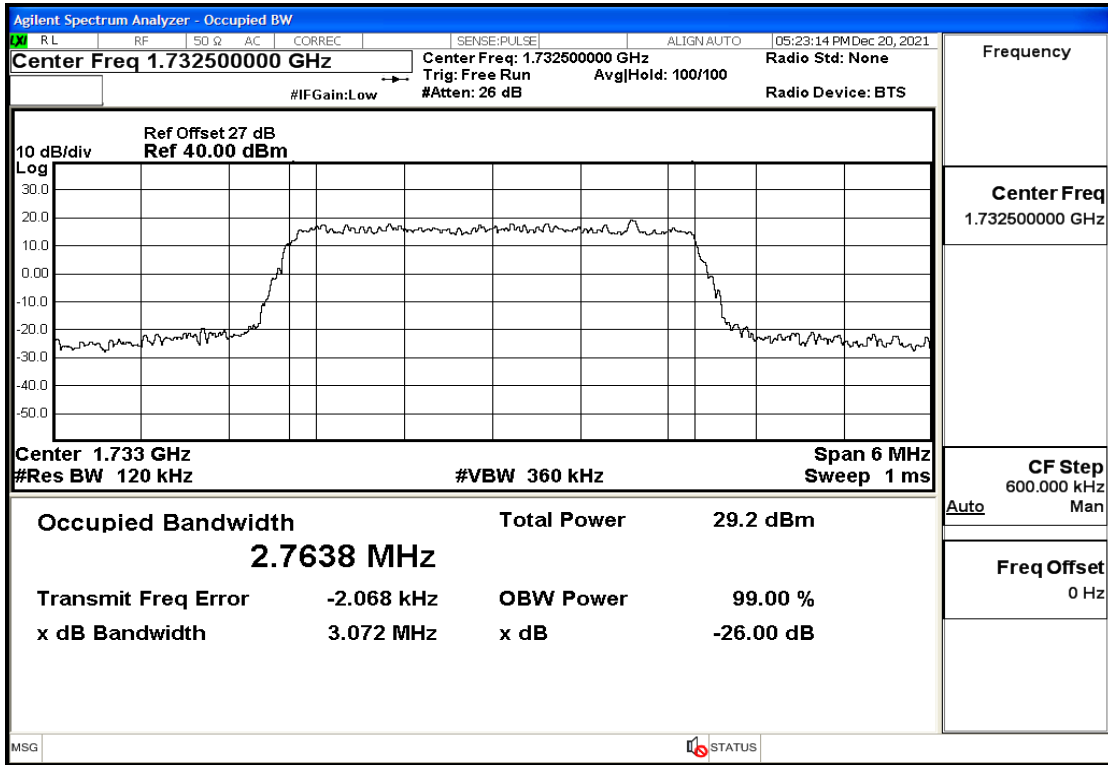
Band4-3-1711.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



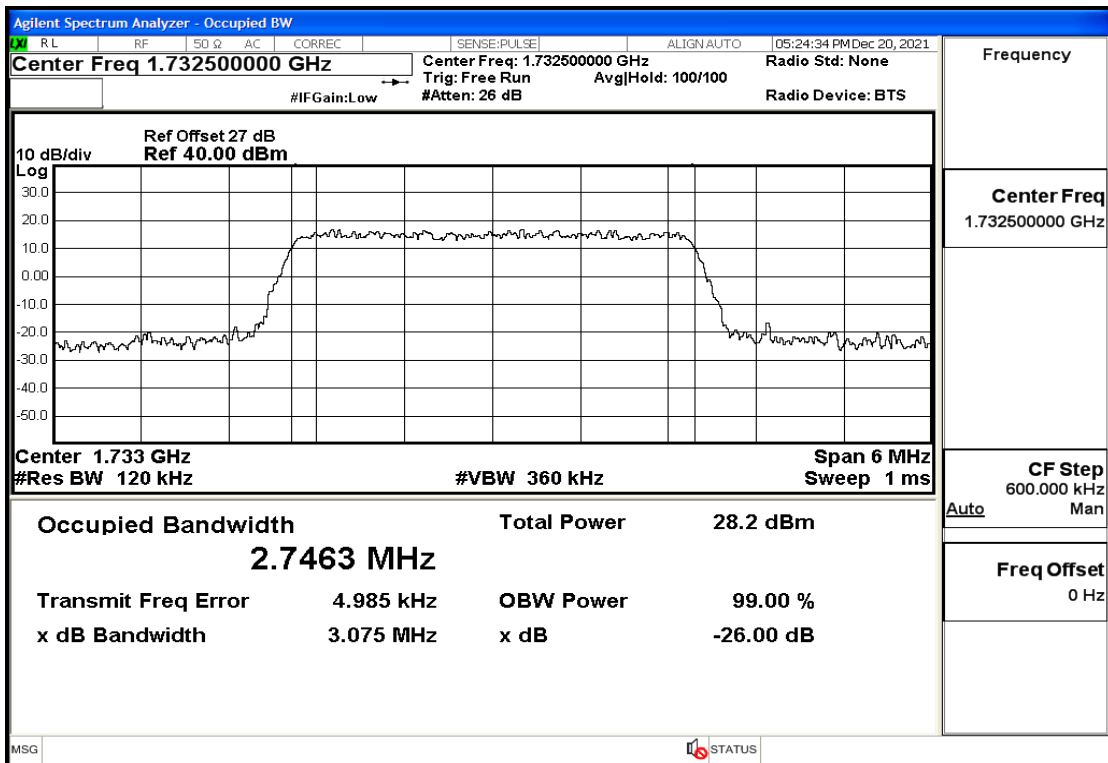
Band4-3-1711.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



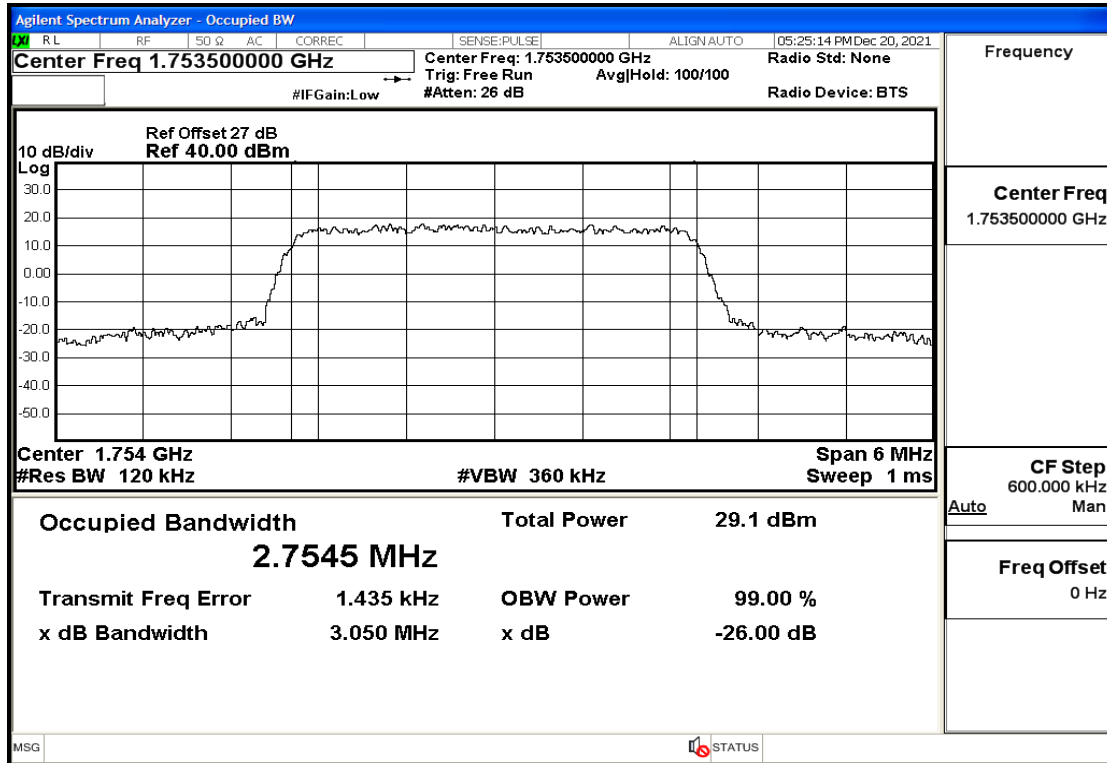
Band4-3-1732.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



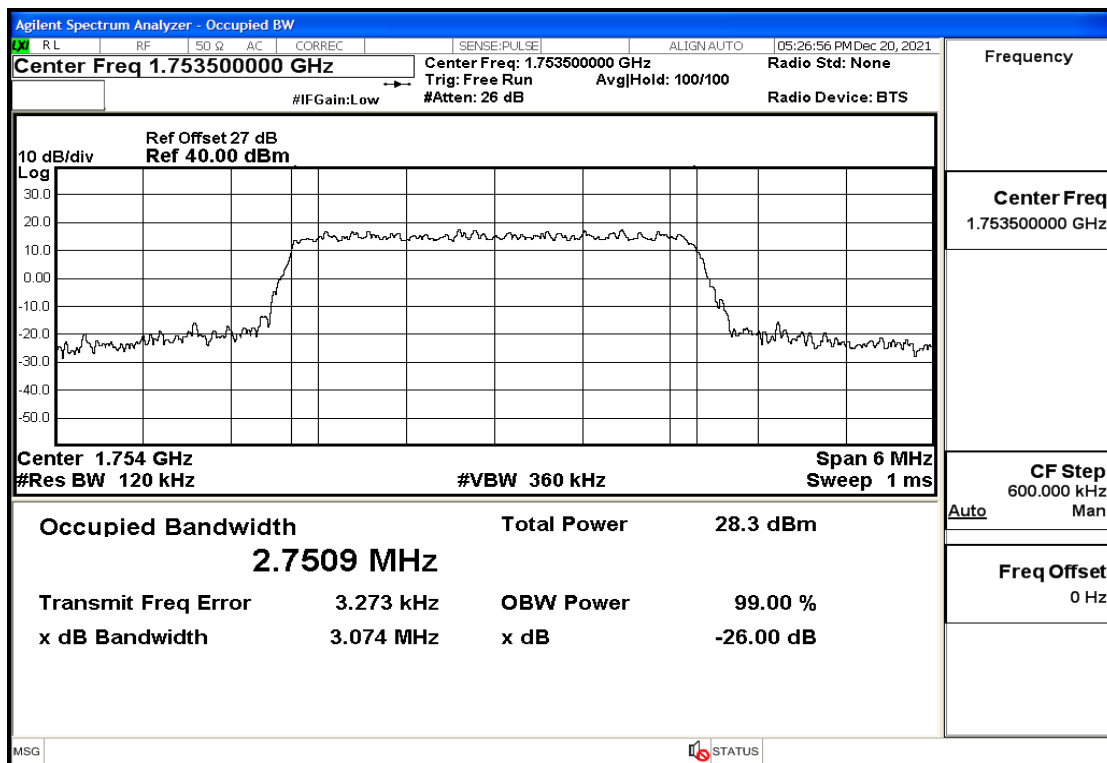
Band4-3-1732.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



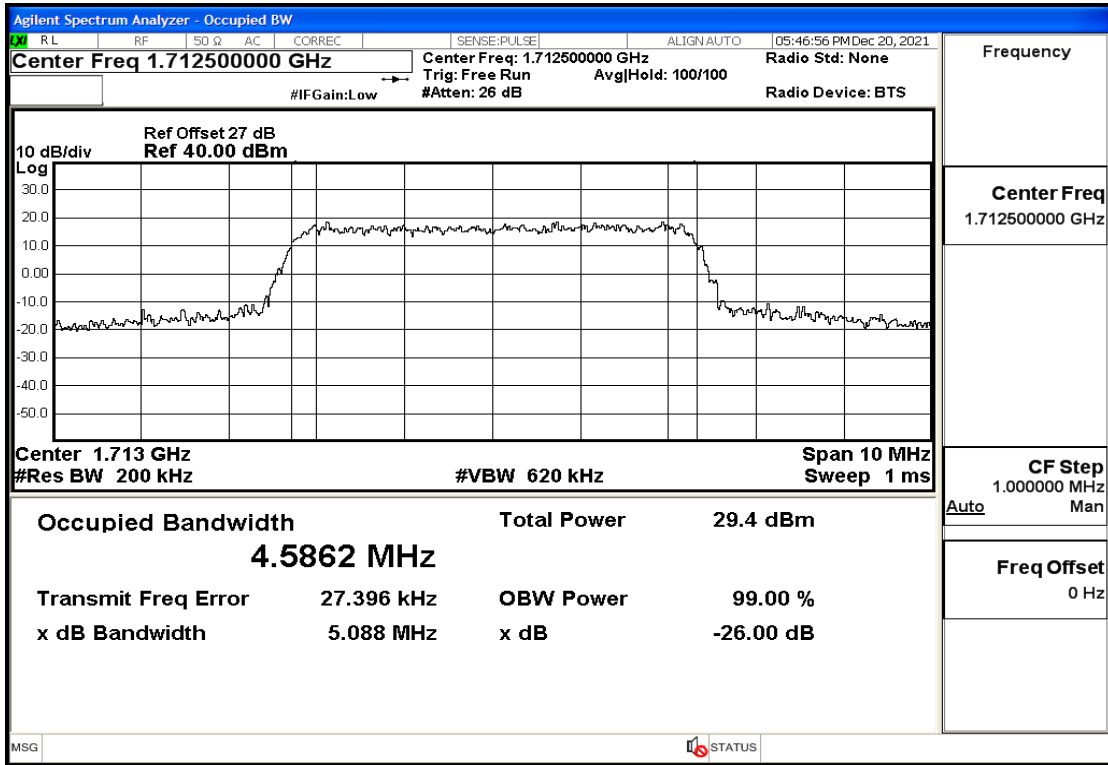
Band4-3-1753.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



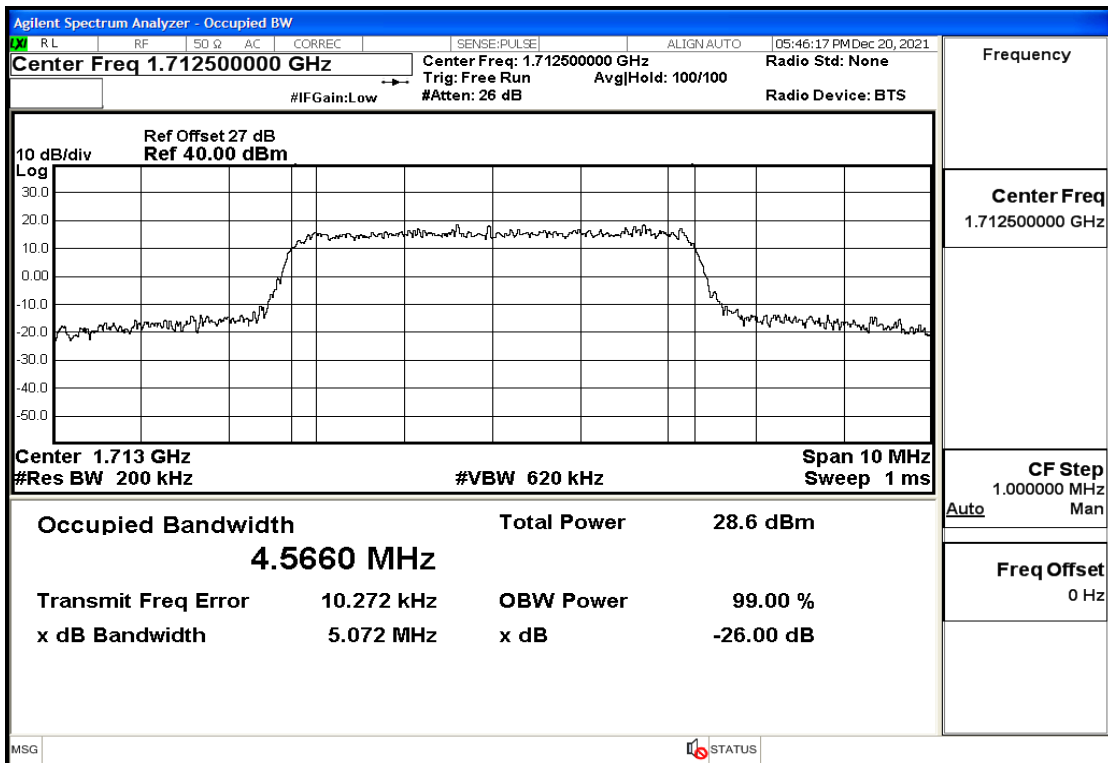
Band4-3-1753.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



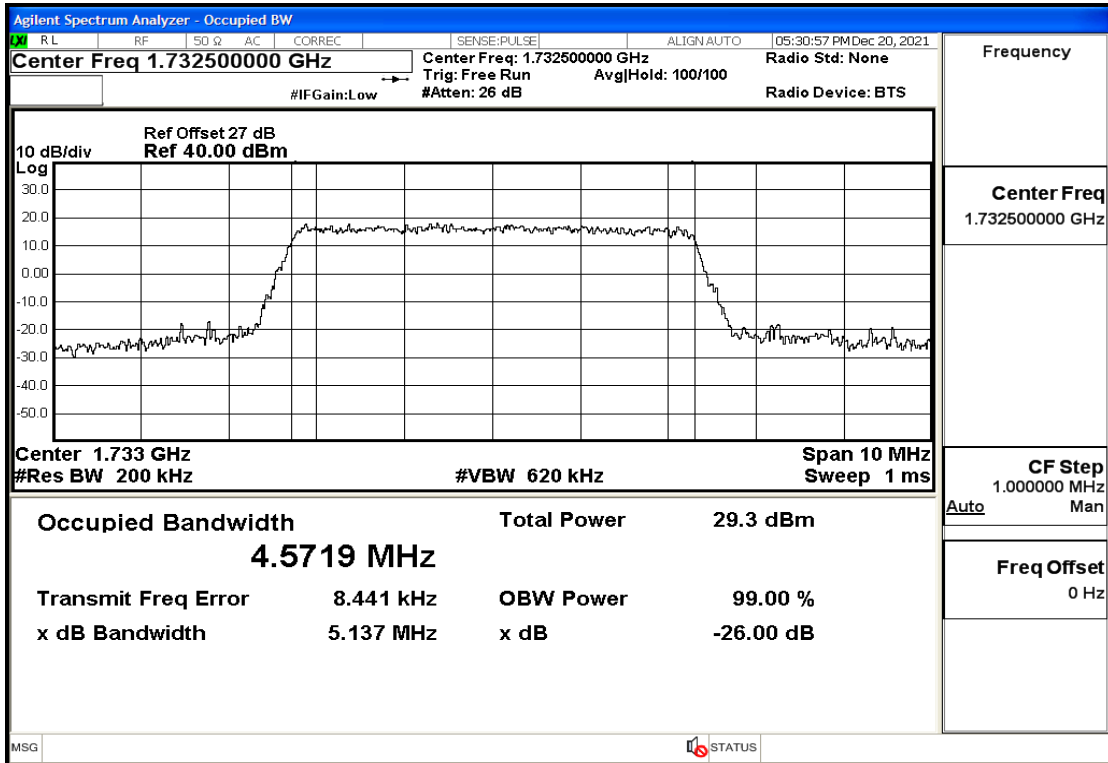
Band4-5-1712.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



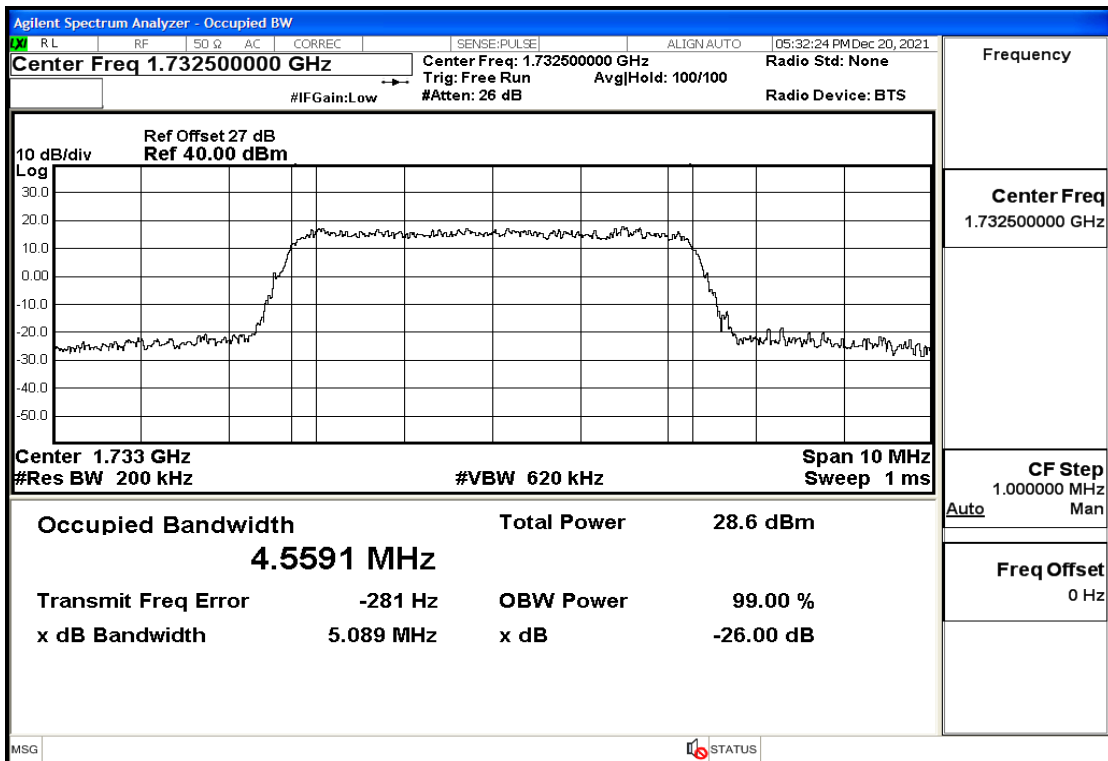
Band4-5-1712.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



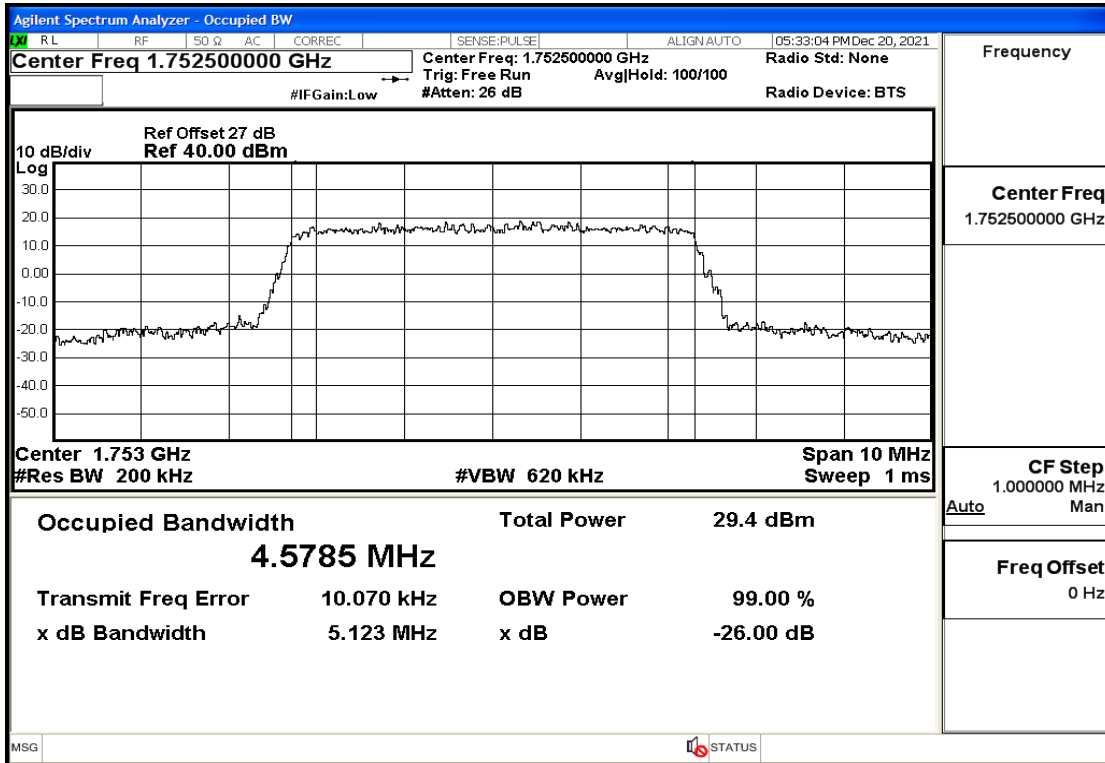
Band4-5-1732.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



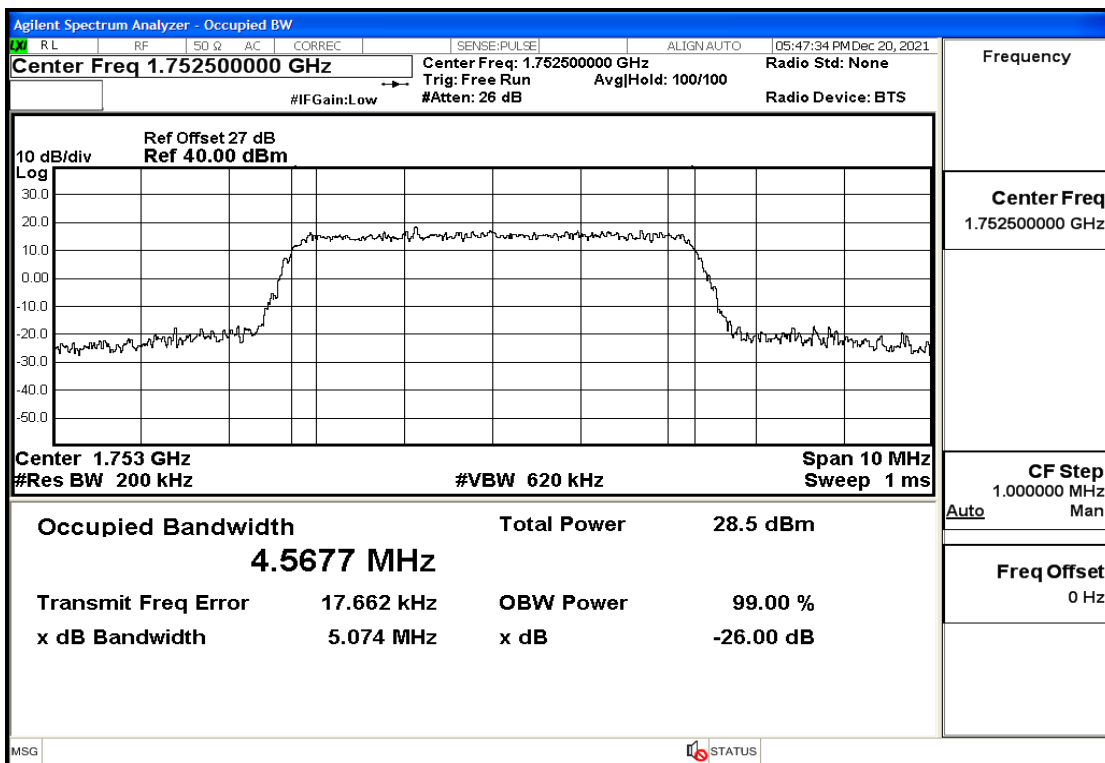
Band4-5-1732.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



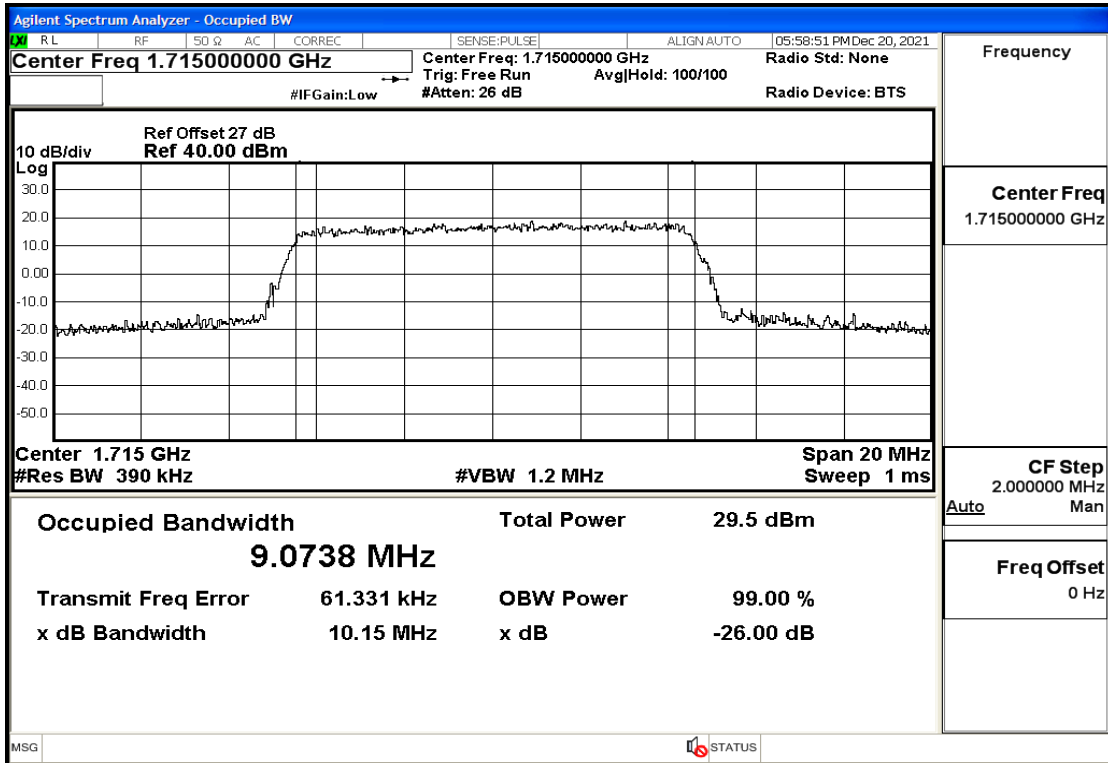
Band4-5-1752.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



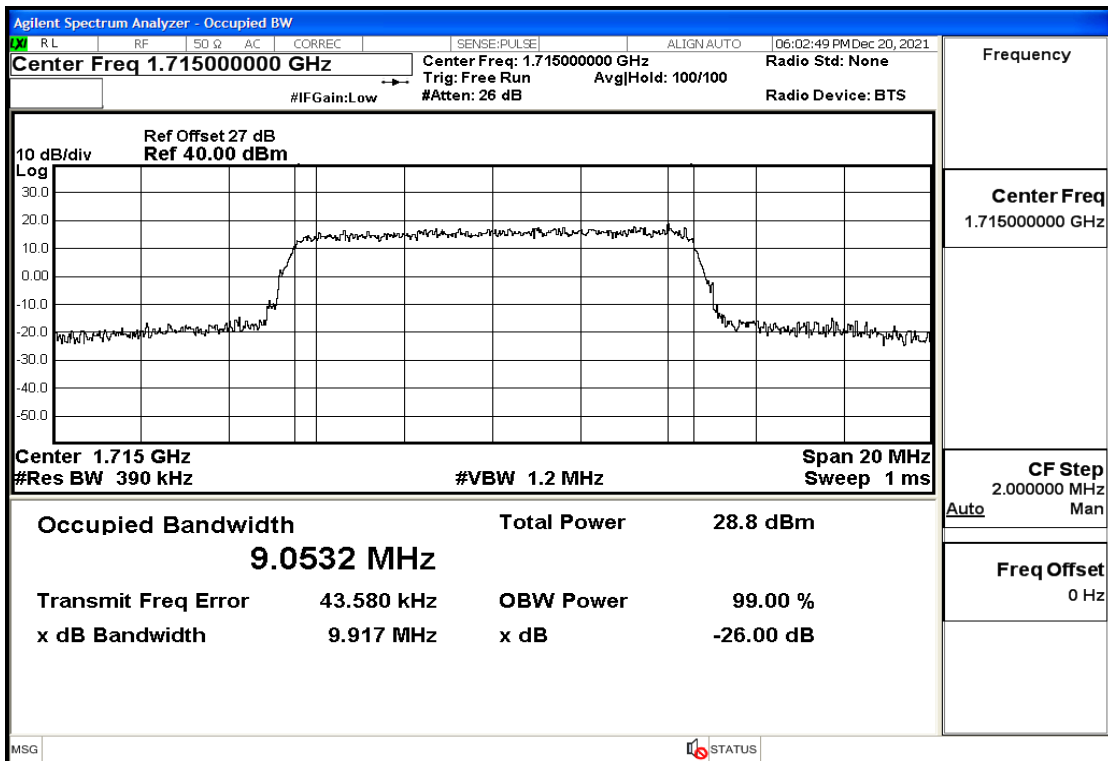
Band4-5-1752.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



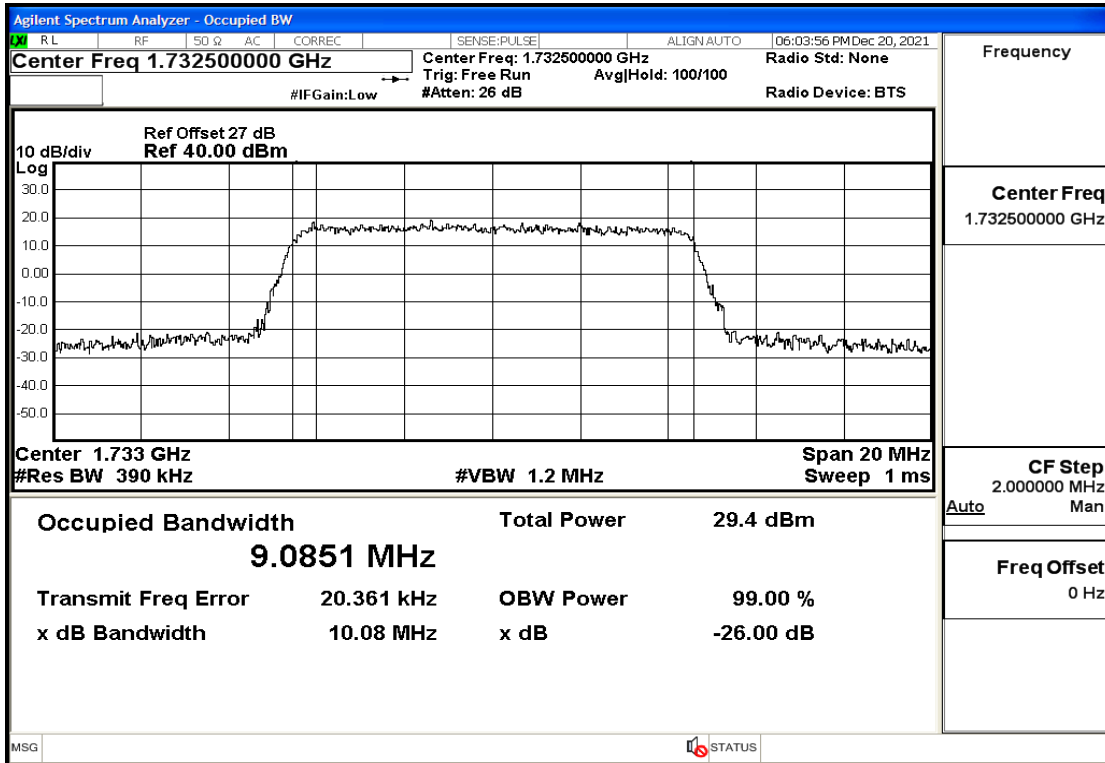
Band4-10-1715-QPSK-50#LOW@26dB and 99PCT Bandwidth



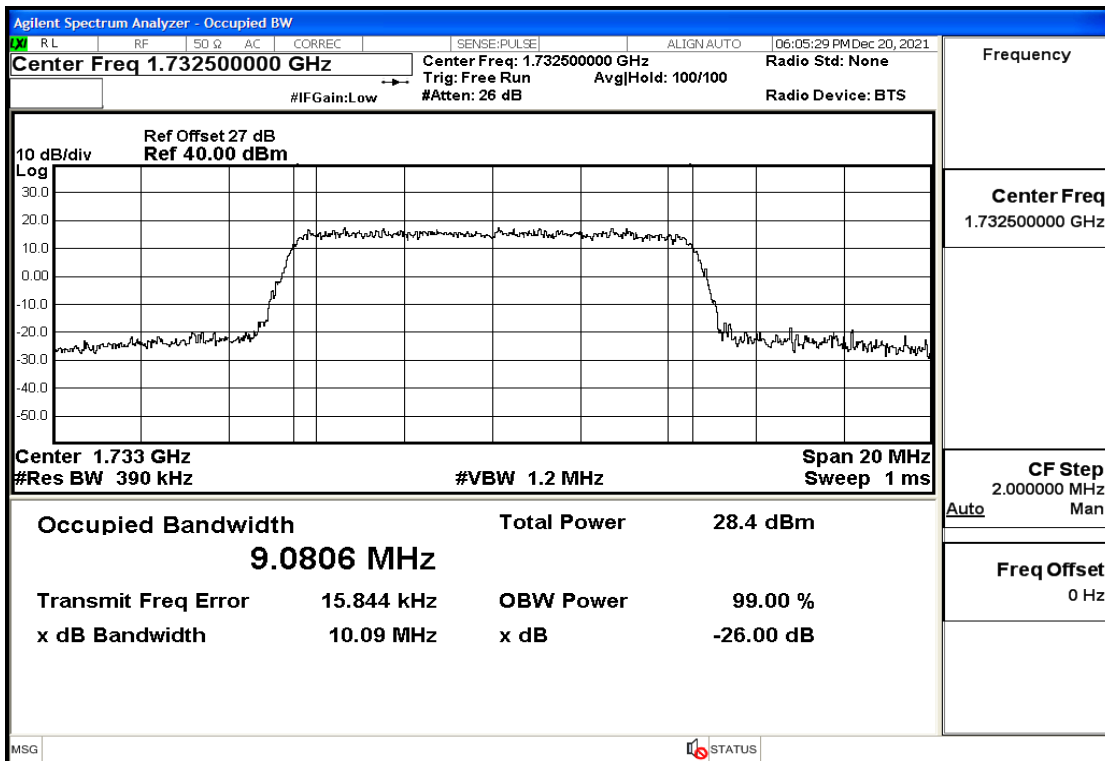
Band4-10-1715-16QAM-50#LOW@26dB and 99PCT Bandwidth



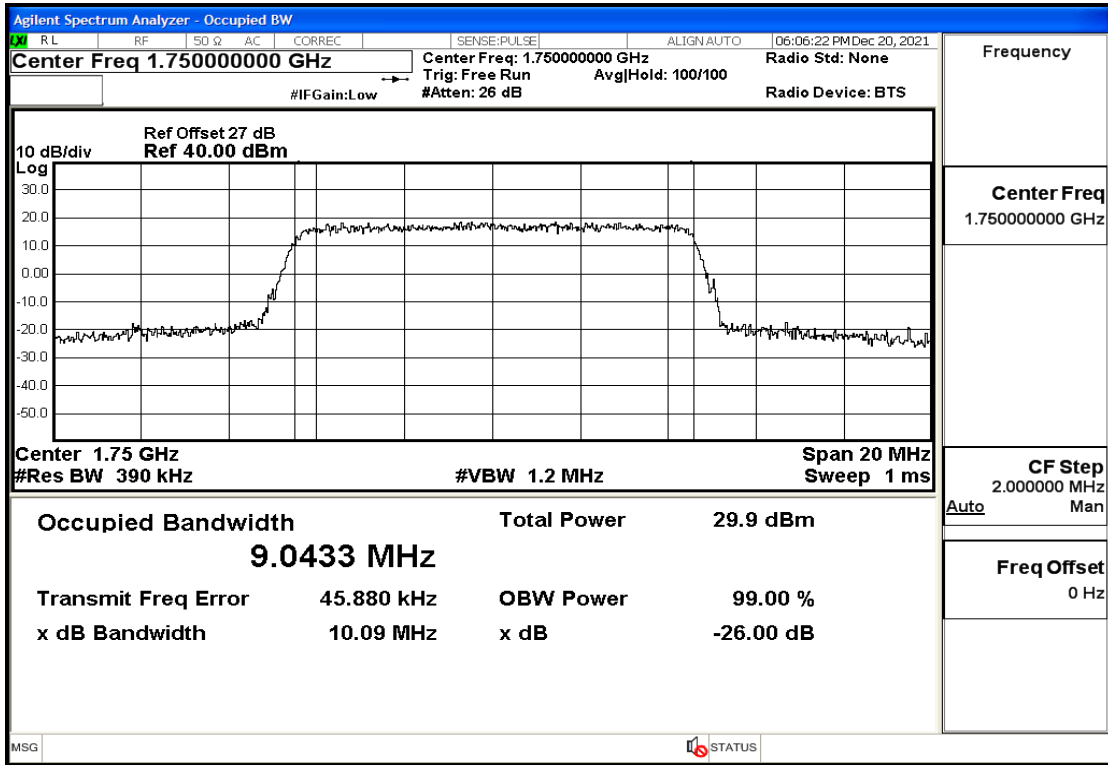
Band4-10-1732.5-QPSK-50#LOW@26dB and 99PCT Bandwidth



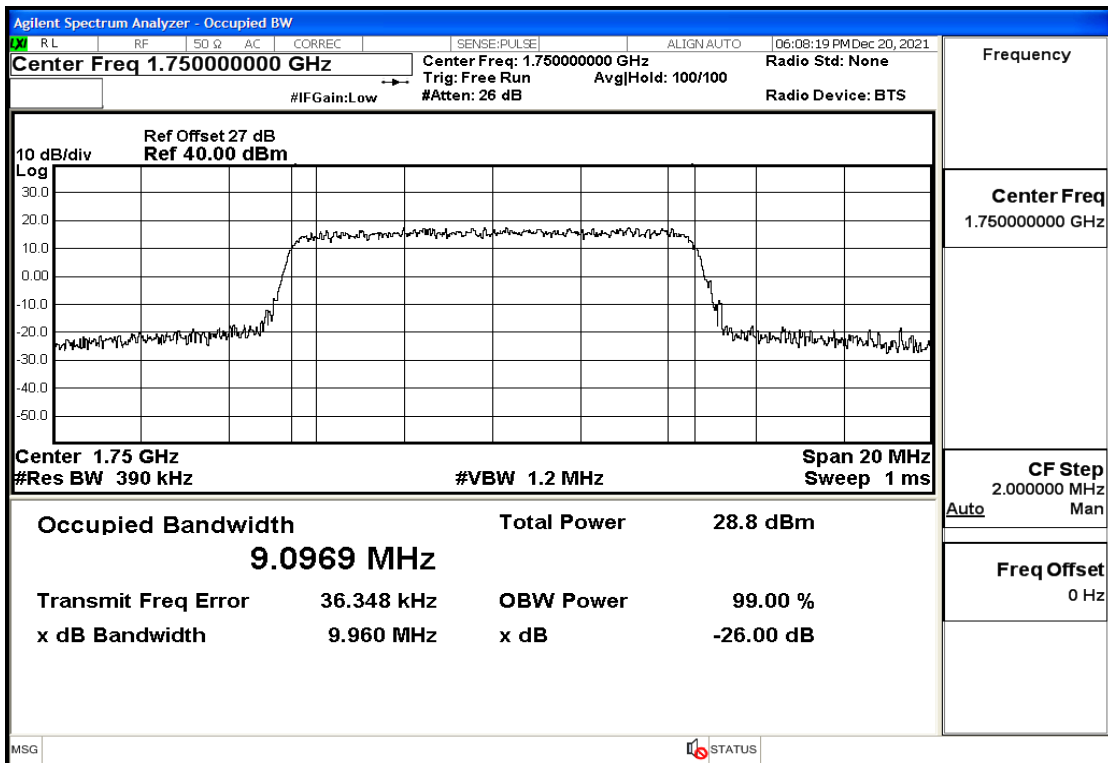
Band4-10-1732.5-16QAM-50#LOW@26dB and 99PCT Bandwidth



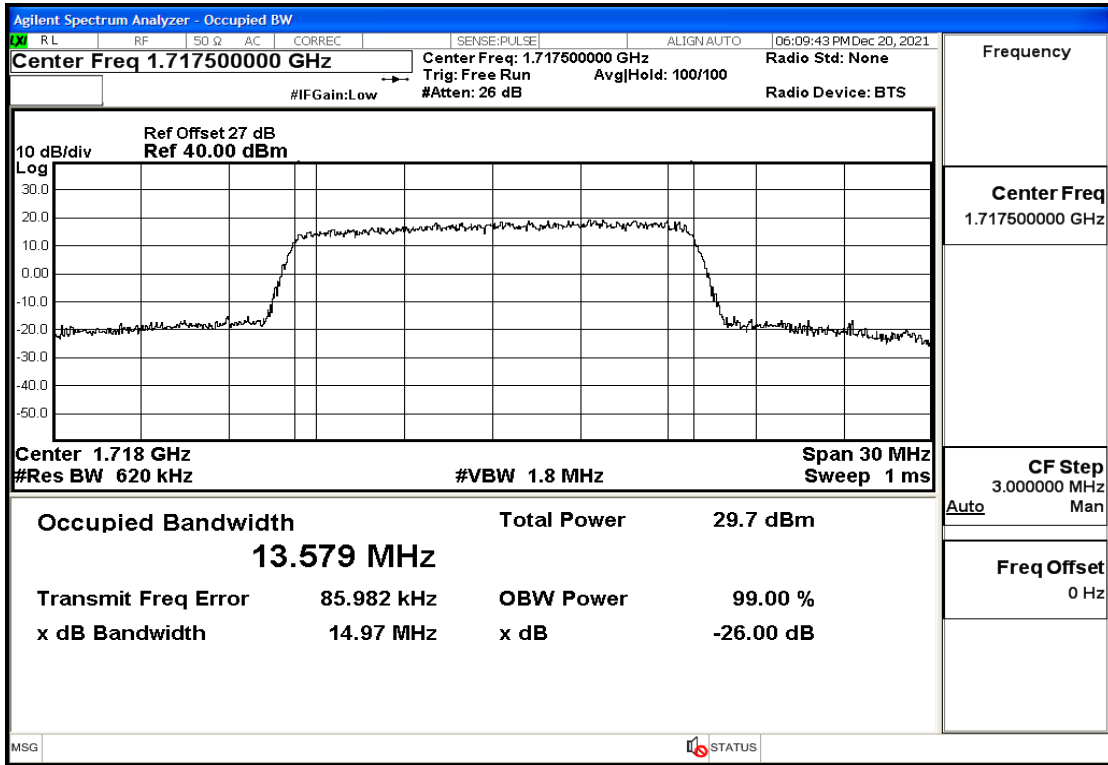
Band4-10-1750-QPSK-50#LOW@26dB and 99PCT Bandwidth



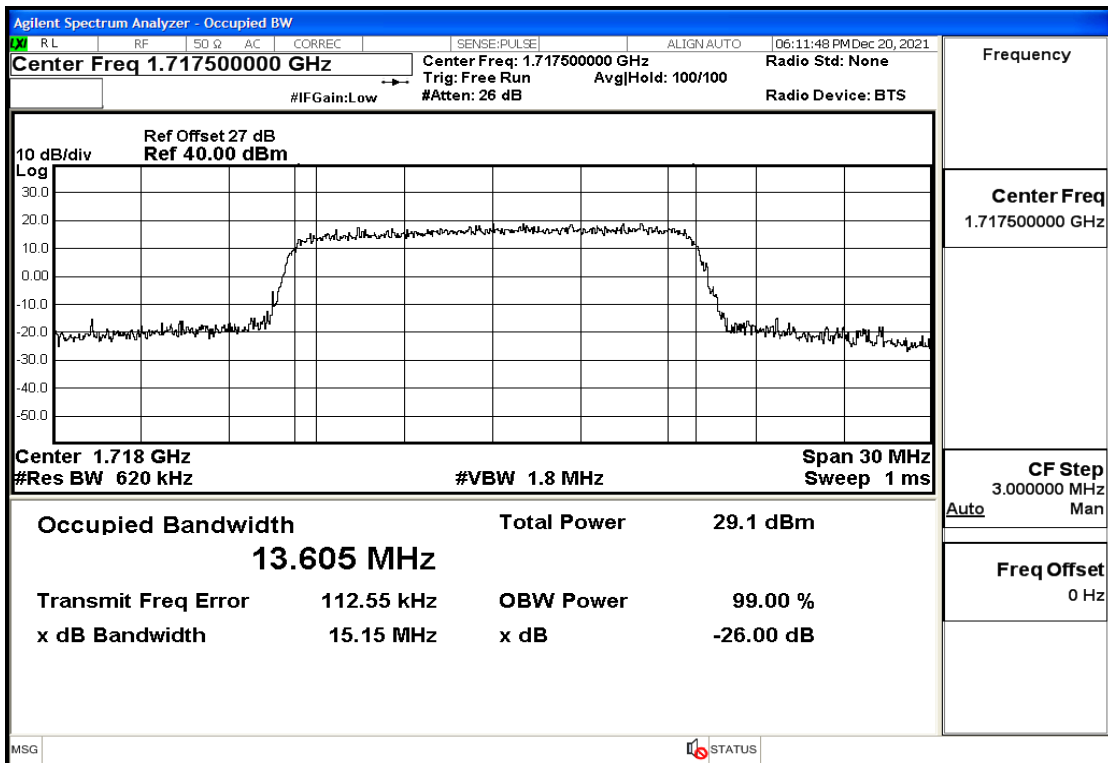
Band4-10-1750-16QAM-50#LOW@26dB and 99PCT Bandwidth



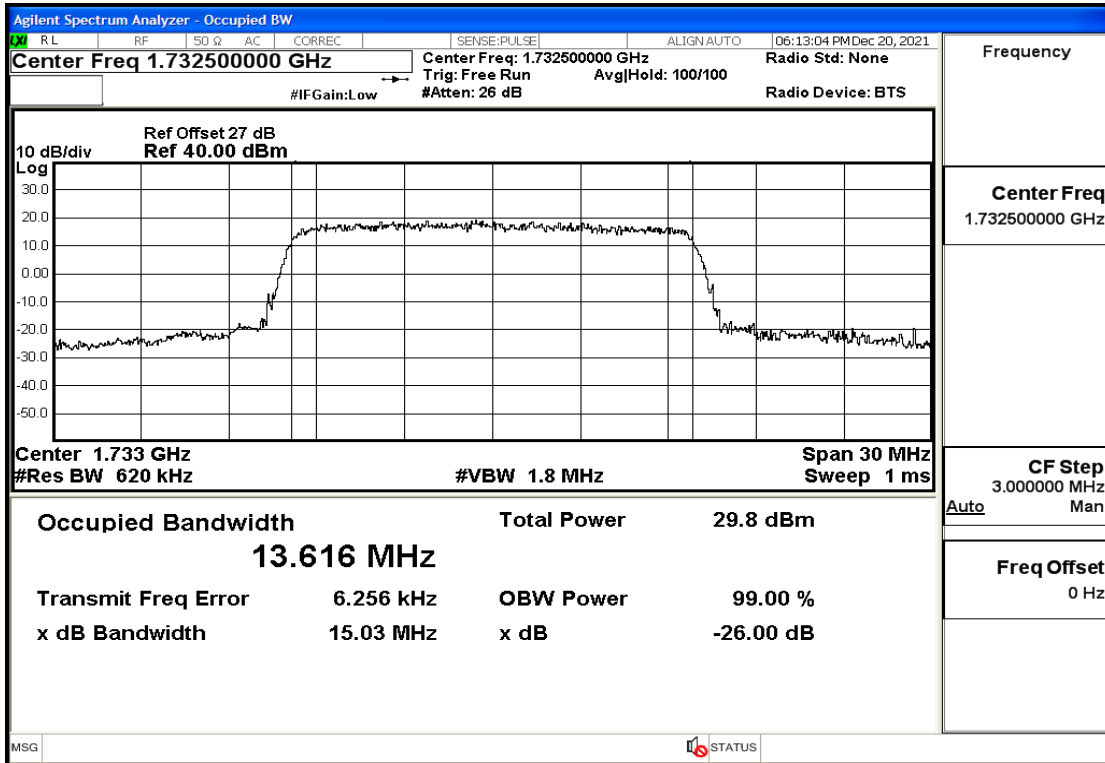
Band4-15-1717.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



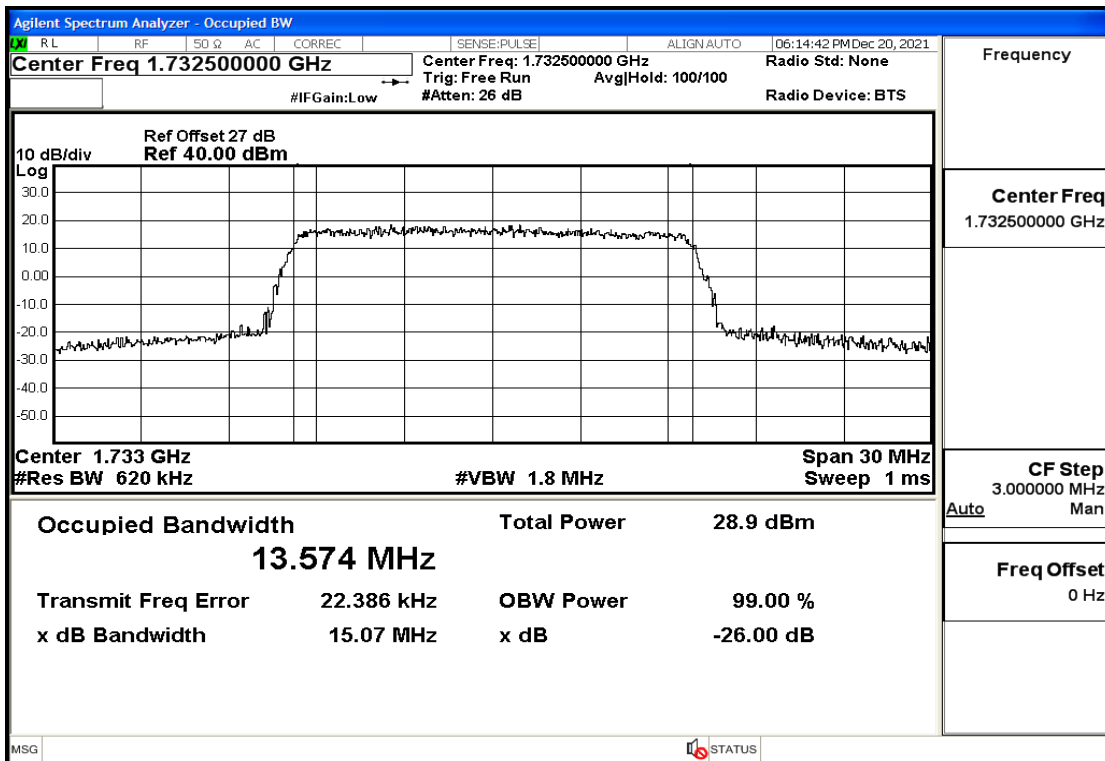
Band4-15-1717.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



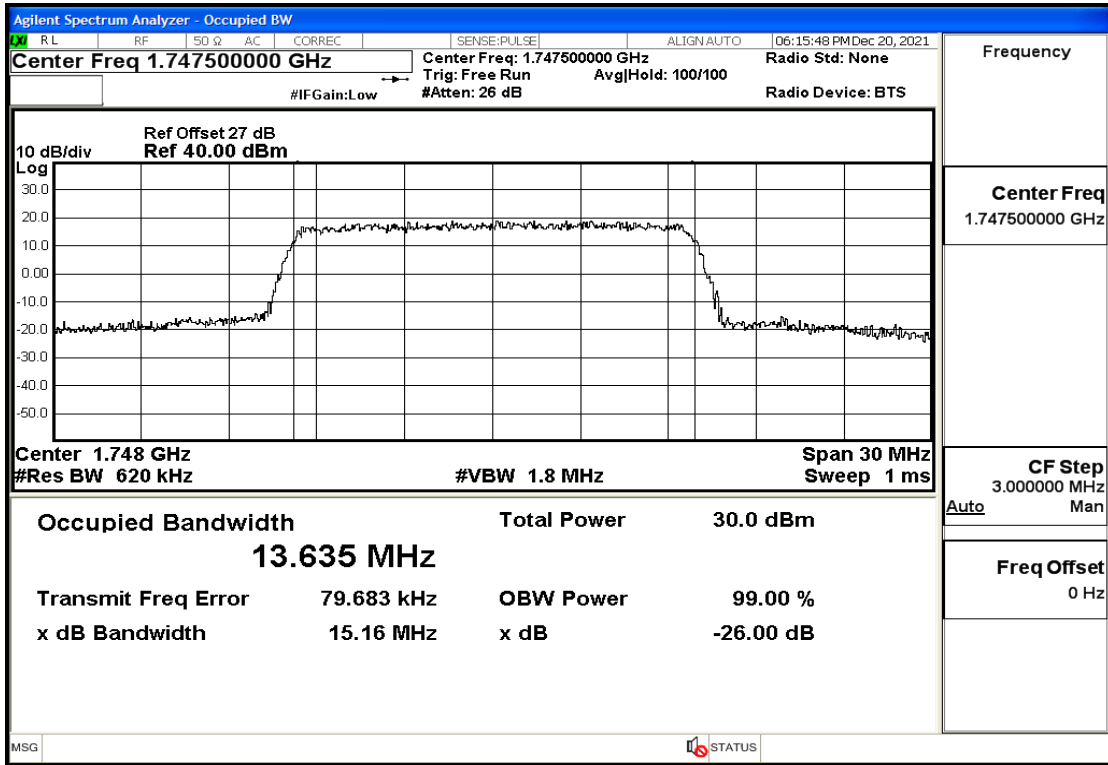
Band4-15-1732.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



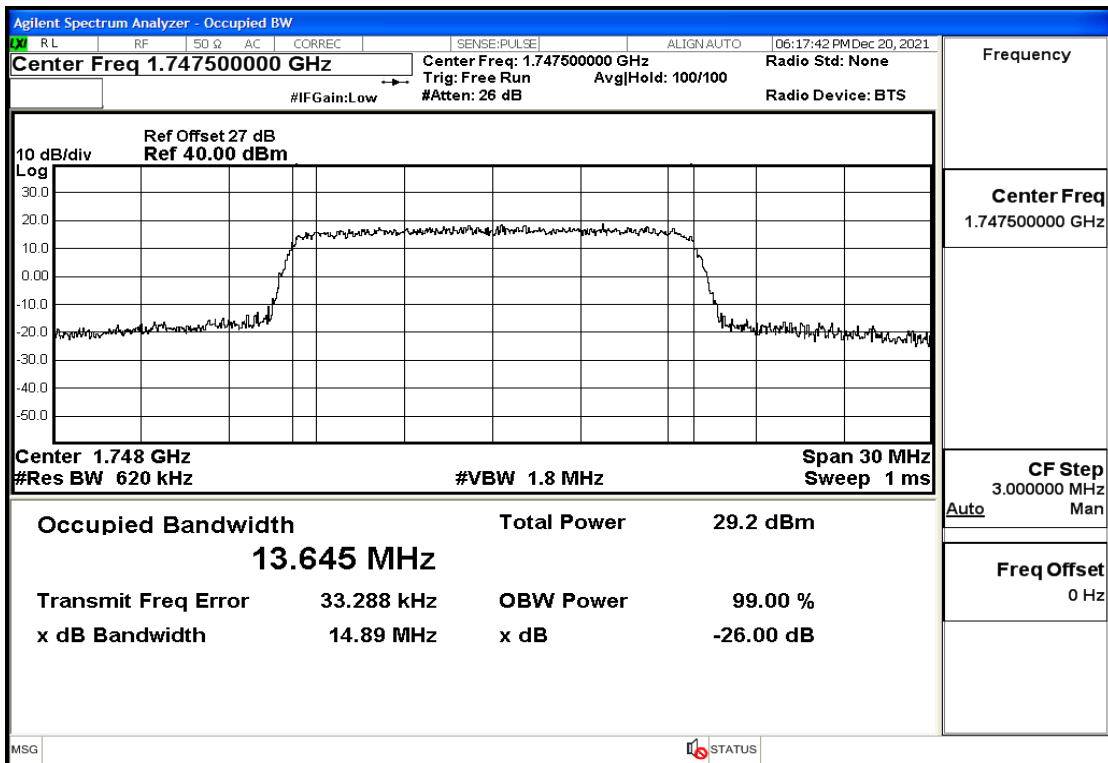
Band4-15-1732.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



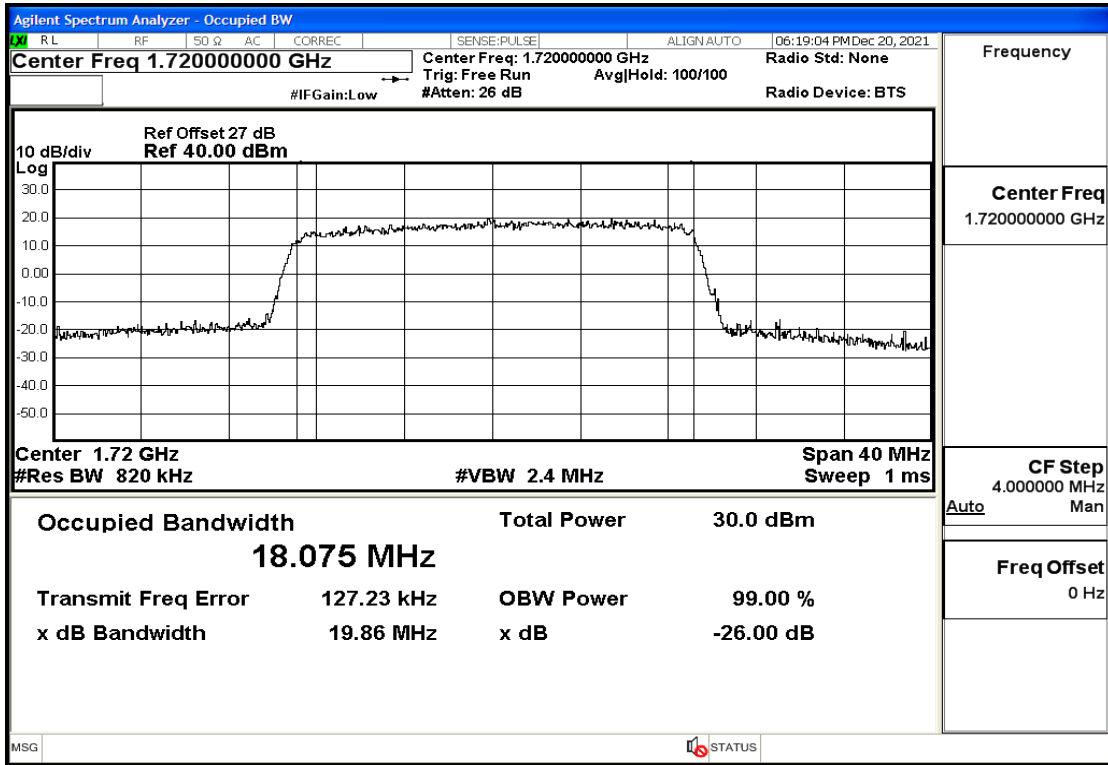
Band4-15-1747.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



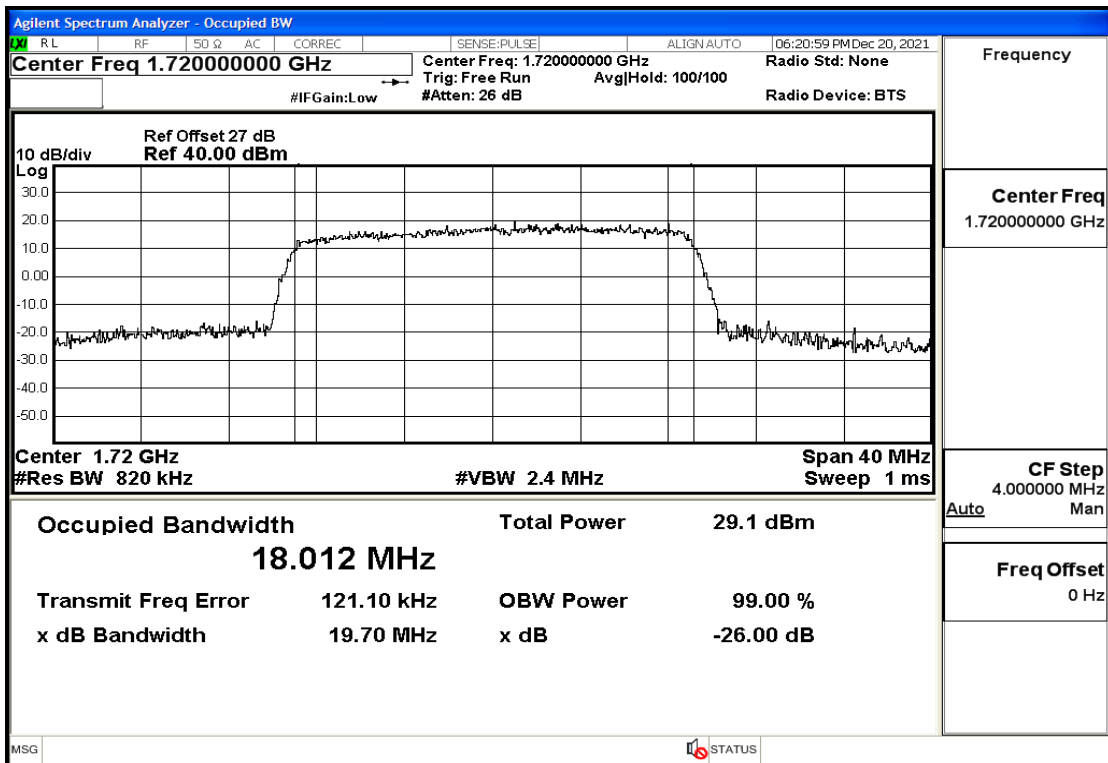
Band4-15-1747.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



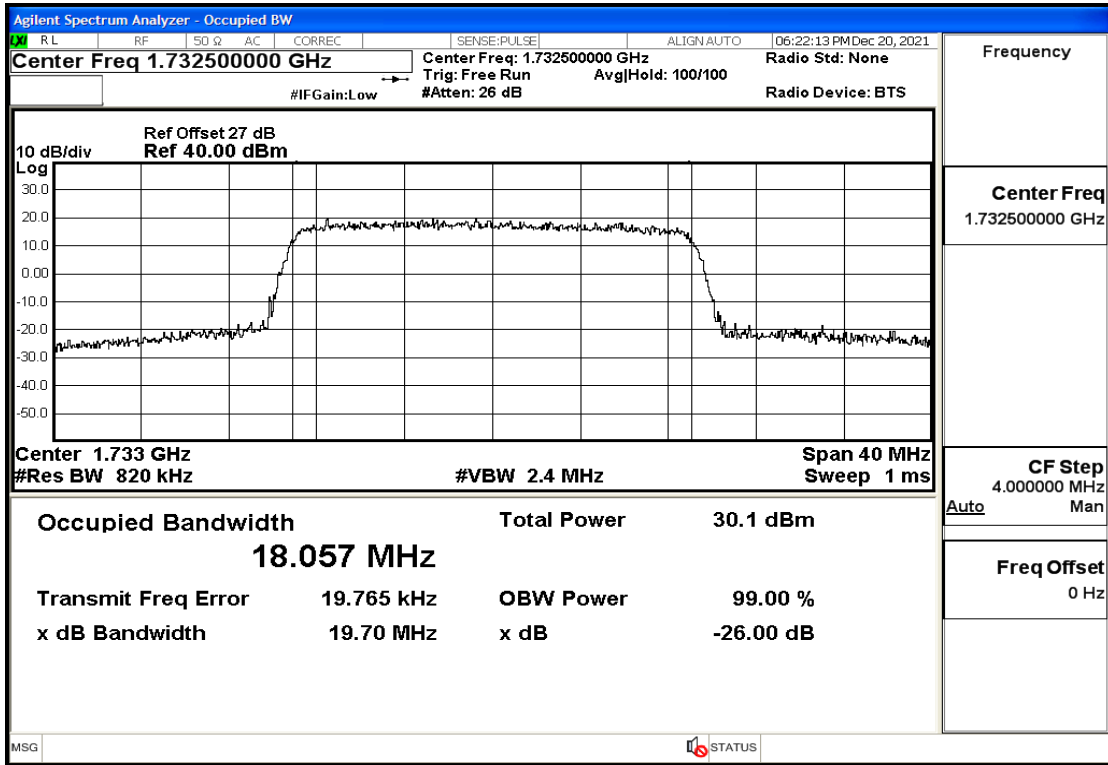
Band4-20-1720-QPSK-100#LOW@26dB and 99PCT Bandwidth



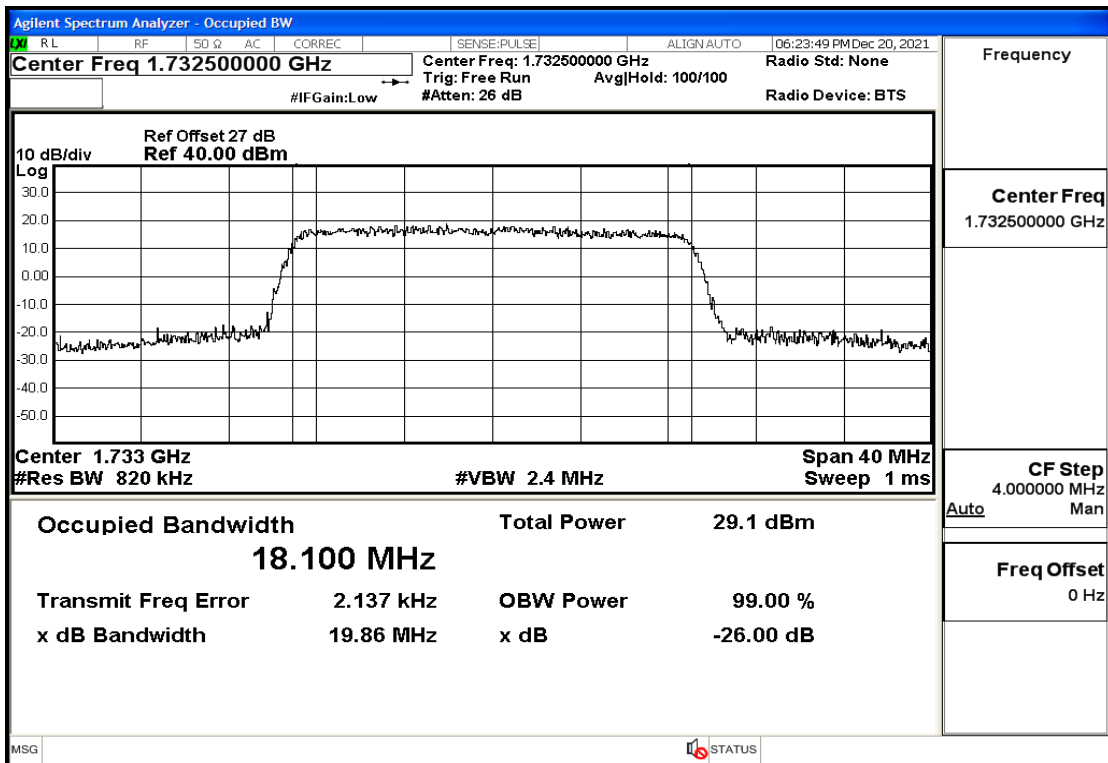
Band4-20-1720-16QAM-100#LOW@26dB and 99PCT Bandwidth



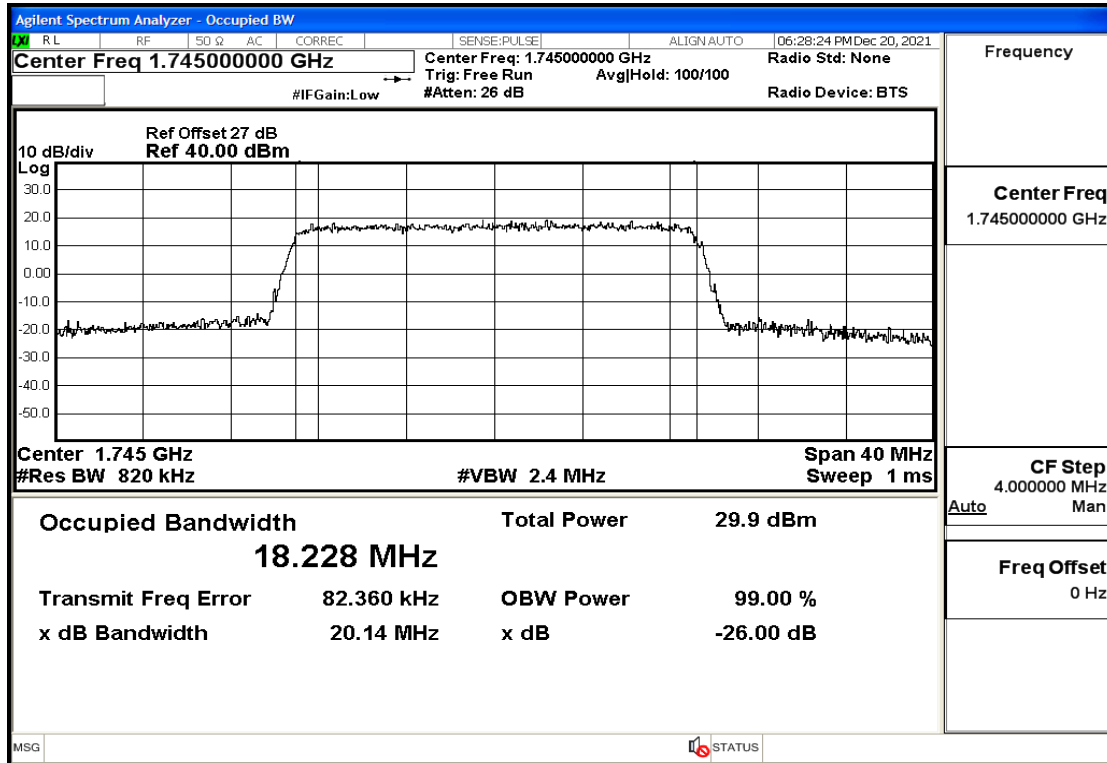
Band4-20-1732.5-QPSK-100#LOW@26dB and 99PCT Bandwidth



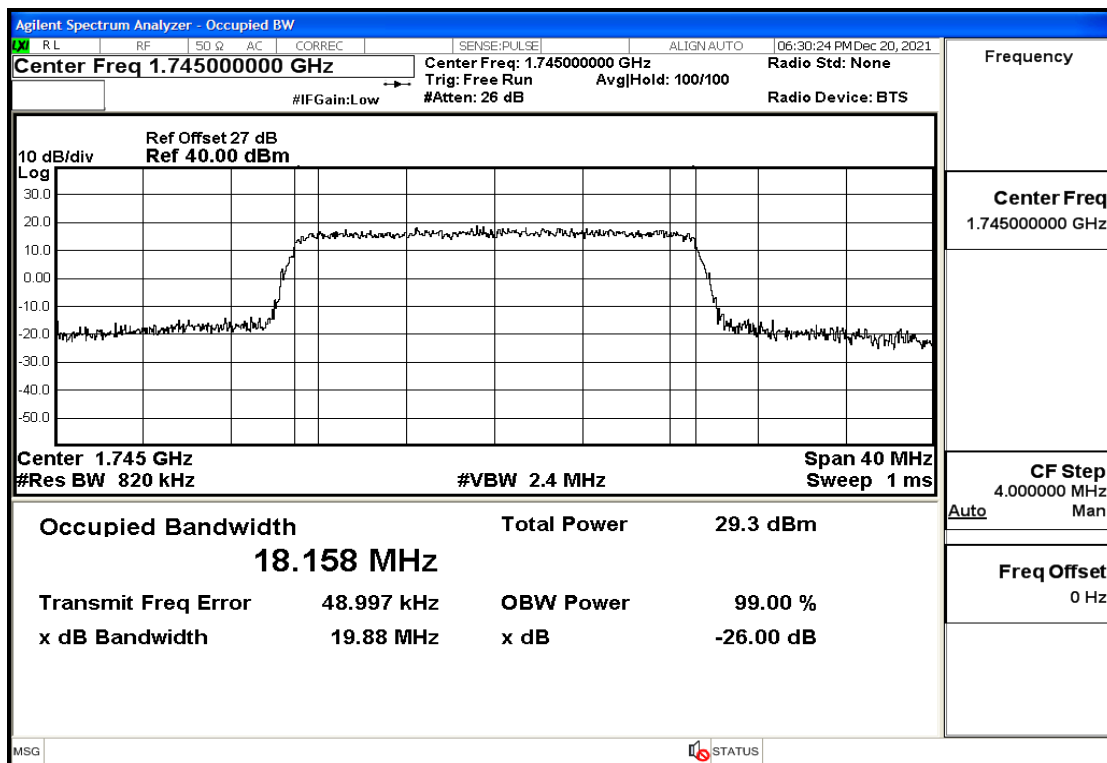
Band4-20-1732.5-16QAM-100#LOW@26dB and 99PCT Bandwidth



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	0.0606	PASS
40	Normal Voltage	0.0386	
30	Normal Voltage	0.0167	
20(Ref.)	Normal Voltage	0.0269	
10	Normal Voltage	0.0646	
0	Normal Voltage	0.0196	
-10	Normal Voltage	0.0477	
-20	Normal Voltage	0.0392	
-30	Normal Voltage	0.0184	
20	Maximum Voltage	0.0188	
20	Normal Voltage	0.0299	
20	Battery End Point	0.0627	

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	21.81	27.47	5.66	13	0.8	22.61	30	Pass
Band4	1.4	1710.7	QPSK	3	LOW	22.16	27.52	5.36	13	0.8	22.96	30	Pass
Band4	1.4	1710.7	QPSK	3	MID	22.14	27.49	5.35	13	0.8	22.94	30	Pass
Band4	1.4	1710.7	QPSK	3	HIGH	22.18	26.93	4.75	13	0.8	22.98	30	Pass
Band4	1.4	1710.7	QPSK	1	LOW	22.12	27.52	5.4	13	0.8	22.92	30	Pass
Band4	1.4	1710.7	QPSK	1	MID	22.3	27.09	4.79	13	0.8	23.1	30	Pass
Band4	1.4	1710.7	QPSK	1	HIGH	22.28	27.36	5.08	13	0.8	23.08	30	Pass
Band4	1.4	1710.7	16QAM	6	LOW	21.07	27.26	6.19	13	0.8	21.87	30	Pass
Band4	1.4	1710.7	16QAM	3	LOW	21.71	27.16	5.45	13	0.8	22.51	30	Pass
Band4	1.4	1710.7	16QAM	3	MID	21.7	27.18	5.48	13	0.8	22.5	30	Pass
Band4	1.4	1710.7	16QAM	3	HIGH	21.78	27.2	5.42	13	0.8	22.58	30	Pass
Band4	1.4	1710.7	16QAM	1	LOW	21.59	27.28	5.69	13	0.8	22.39	30	Pass
Band4	1.4	1710.7	16QAM	1	MID	21.59	26.66	5.07	13	0.8	22.39	30	Pass
Band4	1.4	1710.7	16QAM	1	HIGH	21.59	26.85	5.26	13	0.8	22.39	30	Pass
Band4	1.4	1732.5	QPSK	6	LOW	21.65	27.69	6.04	13	0.8	22.45	30	Pass
Band4	1.4	1732.5	QPSK	3	LOW	20.84	26.15	5.31	13	0.8	21.64	30	Pass
Band4	1.4	1732.5	QPSK	3	MID	20.84	26.2	5.36	13	0.8	21.64	30	Pass
Band4	1.4	1732.5	QPSK	3	HIGH	20.89	25.71	4.82	13	0.8	21.69	30	Pass
Band4	1.4	1732.5	QPSK	1	LOW	20.88	26.36	5.48	13	0.8	21.68	30	Pass
Band4	1.4	1732.5	QPSK	1	MID	20.81	25.96	5.15	13	0.8	21.61	30	Pass
Band4	1.4	1732.5	QPSK	1	HIGH	20.96	26.08	5.12	13	0.8	21.76	30	Pass
Band4	1.4	1732.5	16QAM	6	LOW	20.51	27.54	7.03	13	0.8	21.31	30	Pass
Band4	1.4	1732.5	16QAM	3	LOW	21.1	26.89	5.79	13	0.8	21.9	30	Pass
Band4	1.4	1732.5	16QAM	3	MID	21.03	26.71	5.68	13	0.8	21.83	30	Pass
Band4	1.4	1732.5	16QAM	3	HIGH	20.93	26.49	5.56	13	0.8	21.73	30	Pass
Band4	1.4	1732.5	16QAM	1	LOW	21.14	26.04	4.9	13	0.8	21.94	30	Pass
Band4	1.4	1732.5	16QAM	1	MID	21.22	25.77	4.55	13	0.8	22.02	30	Pass
Band4	1.4	1732.5	16QAM	1	HIGH	21.15	25.52	4.37	13	0.8	21.95	30	Pass
Band4	1.4	1754.3	QPSK	6	LOW	21.64	27.46	5.82	13	0.8	22.44	30	Pass
Band4	1.4	1754.3	QPSK	3	LOW	22.55	28.55	6	13	0.8	23.35	30	Pass
Band4	1.4	1754.3	QPSK	3	MID	22.6	28.62	6.02	13	0.8	23.4	30	Pass
Band4	1.4	1754.3	QPSK	3	HIGH	22.61	28.12	5.51	13	0.8	23.41	30	Pass
Band4	1.4	1754.3	QPSK	1	LOW	22.54	28	5.46	13	0.8	23.34	30	Pass
Band4	1.4	1754.3	QPSK	1	MID	22.67	27.73	5.06	13	0.8	23.47	30	Pass
Band4	1.4	1754.3	QPSK	1	HIGH	22.58	27.59	5.01	13	0.8	23.38	30	Pass
Band4	1.4	1754.3	16QAM	6	LOW	20.72	27.39	6.67	13	0.8	21.52	30	Pass
Band4	1.4	1754.3	16QAM	3	LOW	21.85	28.55	6.7	13	0.8	22.65	30	Pass
Band4	1.4	1754.3	16QAM	3	MID	21.67	28.39	6.72	13	0.8	22.47	30	Pass
Band4	1.4	1754.3	16QAM	3	HIGH	21.73	28.19	6.46	13	0.8	22.53	30	Pass
Band4	1.4	1754.3	16QAM	1	LOW	22.01	27.13	5.12	13	0.8	22.81	30	Pass

Band4	1.4	1754.3	16QAM	1	MID	21.89	26.97	5.08	13	0.8	22.69	30	Pass
Band4	1.4	1754.3	16QAM	1	HIGH	21.9	26.78	4.88	13	0.8	22.7	30	Pass
Band4	3	1711.5	QPSK	15	LOW	21.06	27.59	6.53	13	0.8	21.86	30	Pass
Band4	3	1711.5	QPSK	8	LOW	21.7	26.68	4.98	13	0.8	22.5	30	Pass
Band4	3	1711.5	QPSK	8	MID	21.74	26.67	4.93	13	0.8	22.54	30	Pass
Band4	3	1711.5	QPSK	8	HIGH	21.67	26.92	5.25	13	0.8	22.47	30	Pass
Band4	3	1711.5	QPSK	1	LOW	22	26.62	4.62	13	0.8	22.8	30	Pass
Band4	3	1711.5	QPSK	1	MID	22.4	26.77	4.37	13	0.8	23.2	30	Pass
Band4	3	1711.5	QPSK	1	HIGH	22.39	26.69	4.3	13	0.8	23.19	30	Pass
Band4	3	1711.5	16QAM	15	LOW	20.67	26.87	6.2	13	0.8	21.47	30	Pass
Band4	3	1711.5	16QAM	8	LOW	21.11	26.97	5.86	13	0.8	21.91	30	Pass
Band4	3	1711.5	16QAM	8	MID	21.11	27	5.89	13	0.8	21.91	30	Pass
Band4	3	1711.5	16QAM	8	HIGH	21.06	27.18	6.12	13	0.8	21.86	30	Pass
Band4	3	1711.5	16QAM	1	LOW	21.87	27.54	5.67	13	0.8	22.67	30	Pass
Band4	3	1711.5	16QAM	1	MID	22.2	27.25	5.05	13	0.8	23	30	Pass
Band4	3	1711.5	16QAM	1	HIGH	22.21	27.45	5.24	13	0.8	23.01	30	Pass
Band4	3	1732.5	QPSK	15	LOW	21.71	28.11	6.4	13	0.8	22.51	30	Pass
Band4	3	1732.5	QPSK	8	LOW	21.59	27.72	6.13	13	0.8	22.39	30	Pass
Band4	3	1732.5	QPSK	8	MID	21.6	27.72	6.12	13	0.8	22.4	30	Pass
Band4	3	1732.5	QPSK	8	HIGH	21.48	27.67	6.19	13	0.8	22.28	30	Pass
Band4	3	1732.5	QPSK	1	LOW	22.53	28.24	5.71	13	0.8	23.33	30	Pass
Band4	3	1732.5	QPSK	1	MID	22.43	28.01	5.58	13	0.8	23.23	30	Pass
Band4	3	1732.5	QPSK	1	HIGH	22.25	27.94	5.69	13	0.8	23.05	30	Pass
Band4	3	1732.5	16QAM	15	LOW	20.57	27.99	7.42	13	0.8	21.37	30	Pass
Band4	3	1732.5	16QAM	8	LOW	20.64	27.21	6.57	13	0.8	21.44	30	Pass
Band4	3	1732.5	16QAM	8	MID	20.58	27.51	6.93	13	0.8	21.38	30	Pass
Band4	3	1732.5	16QAM	8	HIGH	20.55	27.45	6.9	13	0.8	21.35	30	Pass
Band4	3	1732.5	16QAM	1	LOW	22.24	27.54	5.3	13	0.8	23.04	30	Pass
Band4	3	1732.5	16QAM	1	MID	22.14	27.15	5.01	13	0.8	22.94	30	Pass
Band4	3	1732.5	16QAM	1	HIGH	21.98	27.27	5.29	13	0.8	22.78	30	Pass
Band4	3	1753.5	QPSK	15	LOW	21.62	28.12	6.5	13	0.8	22.42	30	Pass
Band4	3	1753.5	QPSK	8	LOW	21.7	27.64	5.94	13	0.8	22.5	30	Pass
Band4	3	1753.5	QPSK	8	MID	21.7	27.62	5.92	13	0.8	22.5	30	Pass
Band4	3	1753.5	QPSK	8	HIGH	21.62	27.7	6.08	13	0.8	22.42	30	Pass
Band4	3	1753.5	QPSK	1	LOW	22.64	27.91	5.27	13	0.8	23.44	30	Pass
Band4	3	1753.5	QPSK	1	MID	22.96	27.72	4.76	13	0.8	23.76	30	Pass
Band4	3	1753.5	QPSK	1	HIGH	22.66	27.68	5.02	13	0.8	23.46	30	Pass
Band4	3	1753.5	16QAM	15	LOW	20.76	27.87	7.11	13	0.8	21.56	30	Pass
Band4	3	1753.5	16QAM	8	LOW	20.73	26.85	6.12	13	0.8	21.53	30	Pass
Band4	3	1753.5	16QAM	8	MID	20.66	26.76	6.1	13	0.8	21.46	30	Pass
Band4	3	1753.5	16QAM	8	HIGH	20.77	27.22	6.45	13	0.8	21.57	30	Pass
Band4	3	1753.5	16QAM	1	LOW	21.75	26.99	5.24	13	0.8	22.55	30	Pass
Band4	3	1753.5	16QAM	1	MID	22.04	26.87	4.83	13	0.8	22.84	30	Pass
Band4	3	1753.5	16QAM	1	HIGH	22.07	27.02	4.95	13	0.8	22.87	30	Pass
Band4	5	1712.5	QPSK	25	LOW	21.69	27.41	5.72	13	0.8	22.49	30	Pass
Band4	5	1712.5	QPSK	12	LOW	21.74	26.89	5.15	13	0.8	22.54	30	Pass
Band4	5	1712.5	QPSK	12	MID	21.65	26.84	5.19	13	0.8	22.45	30	Pass

Band4	5	1712.5	QPSK	12	HIGH	21.75	27.02	5.27	13	0.8	22.55	30	Pass
Band4	5	1712.5	QPSK	1	LOW	21.67	27.44	5.77	13	0.8	22.47	30	Pass
Band4	5	1712.5	QPSK	1	MID	22.59	27.56	4.97	13	0.8	23.39	30	Pass
Band4	5	1712.5	QPSK	1	HIGH	22.49	27.85	5.36	13	0.8	23.29	30	Pass
Band4	5	1712.5	16QAM	25	LOW	20.65	27.17	6.52	13	0.8	21.45	30	Pass
Band4	5	1712.5	16QAM	12	LOW	20.81	27.35	6.54	13	0.8	21.61	30	Pass
Band4	5	1712.5	16QAM	12	MID	20.82	27.34	6.52	13	0.8	21.62	30	Pass
Band4	5	1712.5	16QAM	12	HIGH	20.92	27.4	6.48	13	0.8	21.72	30	Pass
Band4	5	1712.5	16QAM	1	LOW	21.06	26.49	5.43	13	0.8	21.86	30	Pass
Band4	5	1712.5	16QAM	1	MID	21.9	26.91	5.01	13	0.8	22.7	30	Pass
Band4	5	1712.5	16QAM	1	HIGH	21.21	26.53	5.32	13	0.8	22.01	30	Pass
Band4	5	1732.5	QPSK	25	LOW	21.69	28.4	6.71	13	0.8	22.49	30	Pass
Band4	5	1732.5	QPSK	12	LOW	21.72	28.22	6.5	13	0.8	22.52	30	Pass
Band4	5	1732.5	QPSK	12	MID	21.72	28.22	6.5	13	0.8	22.52	30	Pass
Band4	5	1732.5	QPSK	12	HIGH	21.57	28.29	6.72	13	0.8	22.37	30	Pass
Band4	5	1732.5	QPSK	1	LOW	22.35	28.09	5.74	13	0.8	23.15	30	Pass
Band4	5	1732.5	QPSK	1	MID	22.43	27.94	5.51	13	0.8	23.23	30	Pass
Band4	5	1732.5	QPSK	1	HIGH	22.2	27.93	5.73	13	0.8	23	30	Pass
Band4	5	1732.5	16QAM	25	LOW	20.74	28.7	7.96	13	0.8	21.54	30	Pass
Band4	5	1732.5	16QAM	12	LOW	20.77	27.83	7.06	13	0.8	21.57	30	Pass
Band4	5	1732.5	16QAM	12	MID	20.67	27.84	7.17	13	0.8	21.47	30	Pass
Band4	5	1732.5	16QAM	12	HIGH	20.78	27.8	7.02	13	0.8	21.58	30	Pass
Band4	5	1732.5	16QAM	1	LOW	22.49	28.66	6.17	13	0.8	23.29	30	Pass
Band4	5	1732.5	16QAM	1	MID	22.52	28.36	5.84	13	0.8	23.32	30	Pass
Band4	5	1732.5	16QAM	1	HIGH	22.13	28.23	6.1	13	0.8	22.93	30	Pass
Band4	5	1752.5	QPSK	25	LOW	21.71	27.94	6.23	13	0.8	22.51	30	Pass
Band4	5	1752.5	QPSK	12	LOW	21.86	27.45	5.59	13	0.8	22.66	30	Pass
Band4	5	1752.5	QPSK	12	MID	21.86	27.57	5.71	13	0.8	22.66	30	Pass
Band4	5	1752.5	QPSK	12	HIGH	21.83	27.52	5.69	13	0.8	22.63	30	Pass
Band4	5	1752.5	QPSK	1	LOW	22.47	27.94	5.47	13	0.8	23.27	30	Pass
Band4	5	1752.5	QPSK	1	MID	22.77	28.17	5.4	13	0.8	23.57	30	Pass
Band4	5	1752.5	QPSK	1	HIGH	22.53	27.75	5.22	13	0.8	23.33	30	Pass
Band4	5	1752.5	16QAM	25	LOW	20.9	28	7.1	13	0.8	21.7	30	Pass
Band4	5	1752.5	16QAM	12	LOW	20.75	27.46	6.71	13	0.8	21.55	30	Pass
Band4	5	1752.5	16QAM	12	MID	20.75	27.57	6.82	13	0.8	21.55	30	Pass
Band4	5	1752.5	16QAM	12	HIGH	20.71	27.34	6.63	13	0.8	21.51	30	Pass
Band4	5	1752.5	16QAM	1	LOW	21.98	27.92	5.94	13	0.8	22.78	30	Pass
Band4	5	1752.5	16QAM	1	MID	22.55	28.01	5.46	13	0.8	23.35	30	Pass
Band4	5	1752.5	16QAM	1	HIGH	22.29	27.97	5.68	13	0.8	23.09	30	Pass
Band4	10	1715	QPSK	50	LOW	21.81	27.95	6.14	13	0.8	22.61	30	Pass
Band4	10	1715	QPSK	25	LOW	21.7	27.28	5.58	13	0.8	22.5	30	Pass
Band4	10	1715	QPSK	25	MID	21.7	27.37	5.67	13	0.8	22.5	30	Pass
Band4	10	1715	QPSK	25	HIGH	21.7	27.7	6	13	0.8	22.5	30	Pass
Band4	10	1715	QPSK	1	LOW	21.51	26.56	5.05	13	0.8	22.31	30	Pass
Band4	10	1715	QPSK	1	MID	23.15	27.46	4.31	13	0.8	23.95	30	Pass
Band4	10	1715	QPSK	1	HIGH	22.87	27.73	4.86	13	0.8	23.67	30	Pass
Band4	10	1715	16QAM	50	LOW	20.72	27.66	6.94	13	0.8	21.52	30	Pass

Band4	10	1715	16QAM	25	LOW	20.78	27.22	6.44	13	0.8	21.58	30	Pass
Band4	10	1715	16QAM	25	MID	20.76	27.16	6.4	13	0.8	21.56	30	Pass
Band4	10	1715	16QAM	25	HIGH	21.04	27.8	6.76	13	0.8	21.84	30	Pass
Band4	10	1715	16QAM	1	LOW	21.07	26.24	5.17	13	0.8	21.87	30	Pass
Band4	10	1715	16QAM	1	MID	22.11	26.78	4.67	13	0.8	22.91	30	Pass
Band4	10	1715	16QAM	1	HIGH	21.95	26.9	4.95	13	0.8	22.75	30	Pass
Band4	10	1732.5	QPSK	50	LOW	21.62	28.11	6.49	13	0.8	22.42	30	Pass
Band4	10	1732.5	QPSK	25	LOW	21.81	28.46	6.65	13	0.8	22.61	30	Pass
Band4	10	1732.5	QPSK	25	MID	21.82	28.43	6.61	13	0.8	22.62	30	Pass
Band4	10	1732.5	QPSK	25	HIGH	21.68	28.15	6.47	13	0.8	22.48	30	Pass
Band4	10	1732.5	QPSK	1	LOW	22.61	28.04	5.43	13	0.8	23.41	30	Pass
Band4	10	1732.5	QPSK	1	MID	22.6	27.76	5.16	13	0.8	23.4	30	Pass
Band4	10	1732.5	QPSK	1	HIGH	22.49	27.85	5.36	13	0.8	23.29	30	Pass
Band4	10	1732.5	16QAM	50	LOW	20.55	27.52	6.97	13	0.8	21.35	30	Pass
Band4	10	1732.5	16QAM	25	LOW	21.09	28.56	7.47	13	0.8	21.89	30	Pass
Band4	10	1732.5	16QAM	25	MID	20.89	28.38	7.49	13	0.8	21.69	30	Pass
Band4	10	1732.5	16QAM	25	HIGH	20.69	28.18	7.49	13	0.8	21.49	30	Pass
Band4	10	1732.5	16QAM	1	LOW	23.12	29.46	6.34	13	0.8	23.92	30	Pass
Band4	10	1732.5	16QAM	1	MID	22.37	28.84	6.47	13	0.8	23.17	30	Pass
Band4	10	1732.5	16QAM	1	HIGH	22.13	28.79	6.66	13	0.8	22.93	30	Pass
Band4	10	1750	QPSK	50	LOW	21.81	28.07	6.26	13	0.8	22.61	30	Pass
Band4	10	1750	QPSK	25	LOW	21.86	27.96	6.1	13	0.8	22.66	30	Pass
Band4	10	1750	QPSK	25	MID	21.85	27.82	5.97	13	0.8	22.65	30	Pass
Band4	10	1750	QPSK	25	HIGH	21.8	27.93	6.13	13	0.8	22.6	30	Pass
Band4	10	1750	QPSK	1	LOW	22.71	28.17	5.46	13	0.8	23.51	30	Pass
Band4	10	1750	QPSK	1	MID	22.9	27.81	4.91	13	0.8	23.7	30	Pass
Band4	10	1750	QPSK	1	HIGH	22.71	28.06	5.35	13	0.8	23.51	30	Pass
Band4	10	1750	16QAM	50	LOW	20.88	28	7.12	13	0.8	21.68	30	Pass
Band4	10	1750	16QAM	25	LOW	20.82	28.08	7.26	13	0.8	21.62	30	Pass
Band4	10	1750	16QAM	25	MID	20.83	28.19	7.36	13	0.8	21.63	30	Pass
Band4	10	1750	16QAM	25	HIGH	21.08	28.27	7.19	13	0.8	21.88	30	Pass
Band4	10	1750	16QAM	1	LOW	22.23	27.28	5.05	13	0.8	23.03	30	Pass
Band4	10	1750	16QAM	1	MID	22.26	26.97	4.71	13	0.8	23.06	30	Pass
Band4	10	1750	16QAM	1	HIGH	22.4	27.24	4.84	13	0.8	23.2	30	Pass
Band4	15	1717.5	QPSK	75	LOW	21.71	28.26	6.55	13	0.8	22.51	30	Pass
Band4	15	1717.5	QPSK	38	LOW	21.6	28.22	6.62	13	0.8	22.4	30	Pass
Band4	15	1717.5	QPSK	38	MID	21.61	28.2	6.59	13	0.8	22.41	30	Pass
Band4	15	1717.5	QPSK	38	HIGH	21.61	27.93	6.32	13	0.8	22.41	30	Pass
Band4	15	1717.5	QPSK	1	LOW	21.22	26.36	5.14	13	0.8	22.02	30	Pass
Band4	15	1717.5	QPSK	1	MID	22.81	27.47	4.66	13	0.8	23.61	30	Pass
Band4	15	1717.5	QPSK	1	HIGH	22.77	27.95	5.18	13	0.8	23.57	30	Pass
Band4	15	1717.5	16QAM	75	LOW	20.88	27.71	6.83	13	0.8	21.68	30	Pass
Band4	15	1717.5	16QAM	38	LOW	20.9	28	7.1	13	0.8	21.7	30	Pass
Band4	15	1717.5	16QAM	38	MID	20.88	27.97	7.09	13	0.8	21.68	30	Pass
Band4	15	1717.5	16QAM	38	HIGH	20.87	27.79	6.92	13	0.8	21.67	30	Pass
Band4	15	1717.5	16QAM	1	LOW	20.97	27.16	6.19	13	0.8	21.77	30	Pass
Band4	15	1717.5	16QAM	1	MID	22.21	27.82	5.61	13	0.8	23.01	30	Pass

Band4	15	1717.5	16QAM	1	HIGH	22.47	28.95	6.48	13	0.8	23.27	30	Pass
Band4	15	1732.5	QPSK	75	LOW	21.66	28.41	6.75	13	0.8	22.46	30	Pass
Band4	15	1732.5	QPSK	38	LOW	21.65	28.38	6.73	13	0.8	22.45	30	Pass
Band4	15	1732.5	QPSK	38	MID	21.64	28.39	6.75	13	0.8	22.44	30	Pass
Band4	15	1732.5	QPSK	38	HIGH	21.63	28.36	6.73	13	0.8	22.43	30	Pass
Band4	15	1732.5	QPSK	1	LOW	22.75	28.47	5.72	13	0.8	23.55	30	Pass
Band4	15	1732.5	QPSK	1	MID	22.71	28.23	5.52	13	0.8	23.51	30	Pass
Band4	15	1732.5	QPSK	1	HIGH	22.6	28.06	5.46	13	0.8	23.4	30	Pass
Band4	15	1732.5	16QAM	75	LOW	20.82	28.04	7.22	13	0.8	21.62	30	Pass
Band4	15	1732.5	16QAM	38	LOW	20.85	28.29	7.44	13	0.8	21.65	30	Pass
Band4	15	1732.5	16QAM	38	MID	20.79	28.22	7.43	13	0.8	21.59	30	Pass
Band4	15	1732.5	16QAM	38	HIGH	20.79	28.14	7.35	13	0.8	21.59	30	Pass
Band4	15	1732.5	16QAM	1	LOW	22.85	27.94	5.09	13	0.8	23.65	30	Pass
Band4	15	1732.5	16QAM	1	MID	22.34	27.27	4.93	13	0.8	23.14	30	Pass
Band4	15	1732.5	16QAM	1	HIGH	22.38	27.39	5.01	13	0.8	23.18	30	Pass
Band4	15	1747.5	QPSK	75	LOW	21.87	28.45	6.58	13	0.8	22.67	30	Pass
Band4	15	1747.5	QPSK	38	LOW	21.93	28.44	6.51	13	0.8	22.73	30	Pass
Band4	15	1747.5	QPSK	38	MID	21.92	28.48	6.56	13	0.8	22.72	30	Pass
Band4	15	1747.5	QPSK	38	HIGH	21.91	28.49	6.58	13	0.8	22.71	30	Pass
Band4	15	1747.5	QPSK	1	LOW	22.57	27.55	4.98	13	0.8	23.37	30	Pass
Band4	15	1747.5	QPSK	1	MID	23.49	27.62	4.13	13	0.8	24.29	30	Pass
Band4	15	1747.5	QPSK	1	HIGH	22.8	27.43	4.63	13	0.8	23.6	30	Pass
Band4	15	1747.5	16QAM	75	LOW	20.98	27.95	6.97	13	0.8	21.78	30	Pass
Band4	15	1747.5	16QAM	38	LOW	21.03	28.13	7.1	13	0.8	21.83	30	Pass
Band4	15	1747.5	16QAM	38	MID	21.04	28.03	6.99	13	0.8	21.84	30	Pass
Band4	15	1747.5	16QAM	38	HIGH	21.04	27.97	6.93	13	0.8	21.84	30	Pass
Band4	15	1747.5	16QAM	1	LOW	21.67	26.82	5.15	13	0.8	22.47	30	Pass
Band4	15	1747.5	16QAM	1	MID	22.29	26.82	4.53	13	0.8	23.09	30	Pass
Band4	15	1747.5	16QAM	1	HIGH	21.98	26.79	4.81	13	0.8	22.78	30	Pass
Band4	20	1720	QPSK	100	LOW	21.72	27.8	6.08	13	0.8	22.52	30	Pass
Band4	20	1720	QPSK	50	LOW	21.77	27.32	5.55	13	0.8	22.57	30	Pass
Band4	20	1720	QPSK	50	MID	21.74	27.25	5.51	13	0.8	22.54	30	Pass
Band4	20	1720	QPSK	50	HIGH	21.82	28.04	6.22	13	0.8	22.62	30	Pass
Band4	20	1720	QPSK	1	LOW	20.59	25.89	5.3	13	0.8	21.39	30	Pass
Band4	20	1720	QPSK	1	MID	23.06	27.82	4.76	13	0.8	23.86	30	Pass
Band4	20	1720	QPSK	1	HIGH	22.59	28.15	5.56	13	0.8	23.39	30	Pass
Band4	20	1720	16QAM	100	LOW	20.81	28.28	7.47	13	0.8	21.61	30	Pass
Band4	20	1720	16QAM	50	LOW	20.92	27.74	6.82	13	0.8	21.72	30	Pass
Band4	20	1720	16QAM	50	MID	20.9	27.74	6.84	13	0.8	21.7	30	Pass
Band4	20	1720	16QAM	50	HIGH	20.9	28.36	7.46	13	0.8	21.7	30	Pass
Band4	20	1720	16QAM	1	LOW	20.2	25.98	5.78	13	0.8	21	30	Pass
Band4	20	1720	16QAM	1	MID	23.11	28.23	5.12	13	0.8	23.91	30	Pass
Band4	20	1720	16QAM	1	HIGH	22.15	28.21	6.06	13	0.8	22.95	30	Pass
Band4	20	1732.5	QPSK	100	LOW	21.75	28.51	6.76	13	0.8	22.55	30	Pass

Band4	20	1732.5	QPSK	50	LOW	21.72	28.16	6.44	13	0.8	22.52	30	Pass
Band4	20	1732.5	QPSK	50	MID	21.74	28.12	6.38	13	0.8	22.54	30	Pass
Band4	20	1732.5	QPSK	50	HIGH	21.76	28.18	6.42	13	0.8	22.56	30	Pass
Band4	20	1732.5	QPSK	1	LOW	23.2	28.2	5	13	0.8	24	30	Pass
Band4	20	1732.5	QPSK	1	MID	23.08	27.9	4.82	13	0.8	23.88	30	Pass
Band4	20	1732.5	QPSK	1	HIGH	22.74	27.54	4.8	13	0.8	23.54	30	Pass
Band4	20	1732.5	16QAM	10 0	LOW	20.75	28.23	7.48	13	0.8	21.55	30	Pass
Band4	20	1732.5	16QAM	50	LOW	20.95	28.48	7.53	13	0.8	21.75	30	Pass
Band4	20	1732.5	16QAM	50	MID	20.99	28.52	7.53	13	0.8	21.79	30	Pass
Band4	20	1732.5	16QAM	50	HIGH	20.82	27.98	7.16	13	0.8	21.62	30	Pass
Band4	20	1732.5	16QAM	1	LOW	22.1	28.58	6.48	13	0.8	22.9	30	Pass
Band4	20	1732.5	16QAM	1	MID	21.99	28.34	6.35	13	0.8	22.79	30	Pass
Band4	20	1732.5	16QAM	1	HIGH	21.42	27.86	6.44	13	0.8	22.22	30	Pass
Band4	20	1745	QPSK	10 0	LOW	21.76	28.52	6.76	13	0.8	22.56	30	Pass
Band4	20	1745	QPSK	50	LOW	21.88	28.07	6.19	13	0.8	22.68	30	Pass
Band4	20	1745	QPSK	50	MID	21.86	28.04	6.18	13	0.8	22.66	30	Pass
Band4	20	1745	QPSK	50	HIGH	21.93	27.92	5.99	13	0.8	22.73	30	Pass
Band4	20	1745	QPSK	1	LOW	22.95	28.02	5.07	13	0.8	23.75	30	Pass
Band4	20	1745	QPSK	1	MID	23.29	27.44	4.15	13	0.8	24.09	30	Pass
Band4	20	1745	QPSK	1	HIGH	23.16	27.76	4.6	13	0.8	23.96	30	Pass
Band4	20	1745	16QAM	10 0	LOW	20.97	28.33	7.36	13	0.8	21.77	30	Pass
Band4	20	1745	16QAM	50	LOW	20.91	28.13	7.22	13	0.8	21.71	30	Pass
Band4	20	1745	16QAM	50	MID	21.01	28.16	7.15	13	0.8	21.81	30	Pass
Band4	20	1745	16QAM	50	HIGH	21.08	27.92	6.84	13	0.8	21.88	30	Pass
Band4	20	1745	16QAM	1	LOW	22.19	28.5	6.31	13	0.8	22.99	30	Pass
Band4	20	1745	16QAM	1	MID	22.14	27.63	5.49	13	0.8	22.94	30	Pass
Band4	20	1745	16QAM	1	HIGH	22.07	28.07	6	13	0.8	22.87	30	Pass