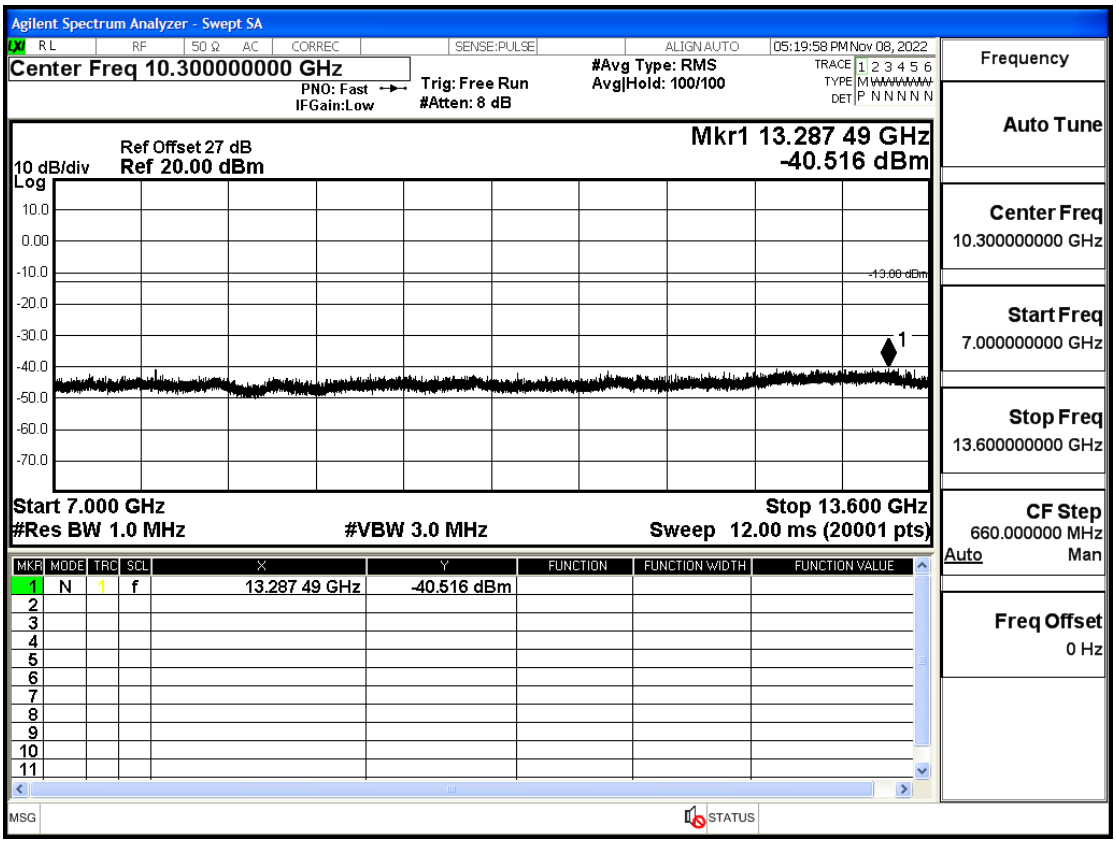
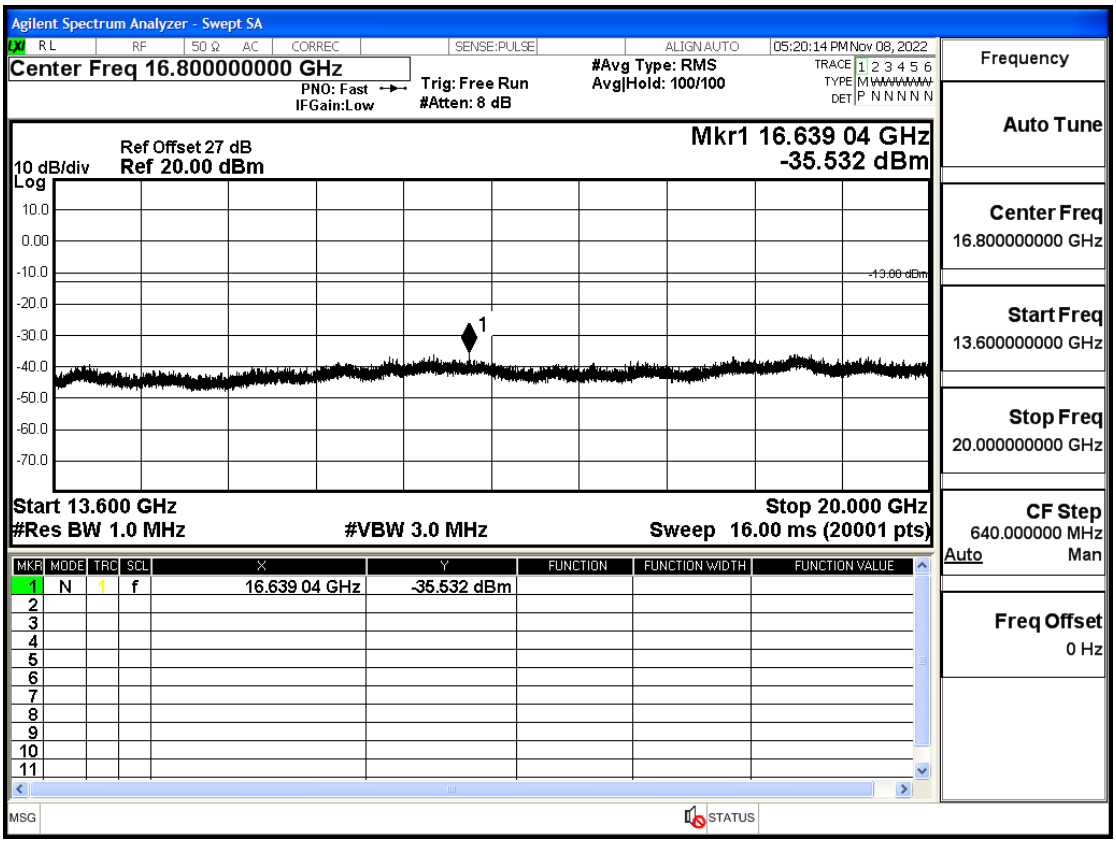
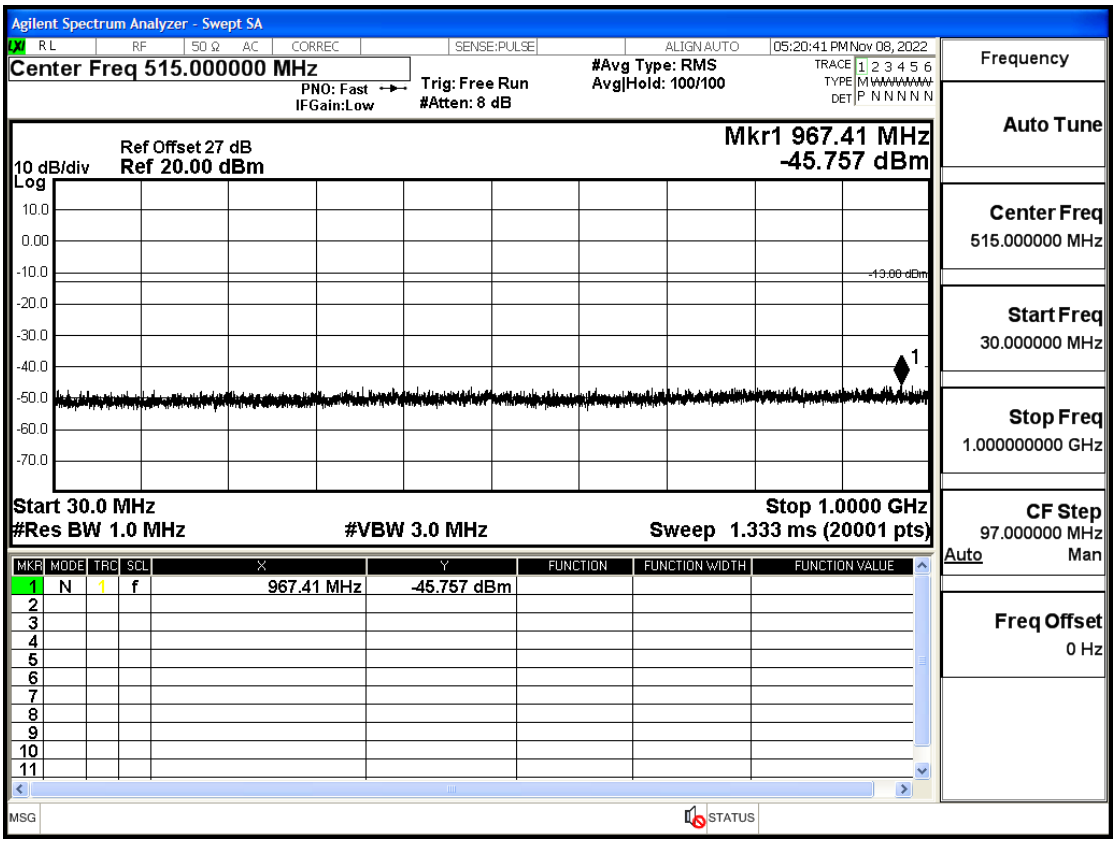
OB4-1.4-1754.3-Q16-6#LOW@7GHz-13.6GHz@Pass



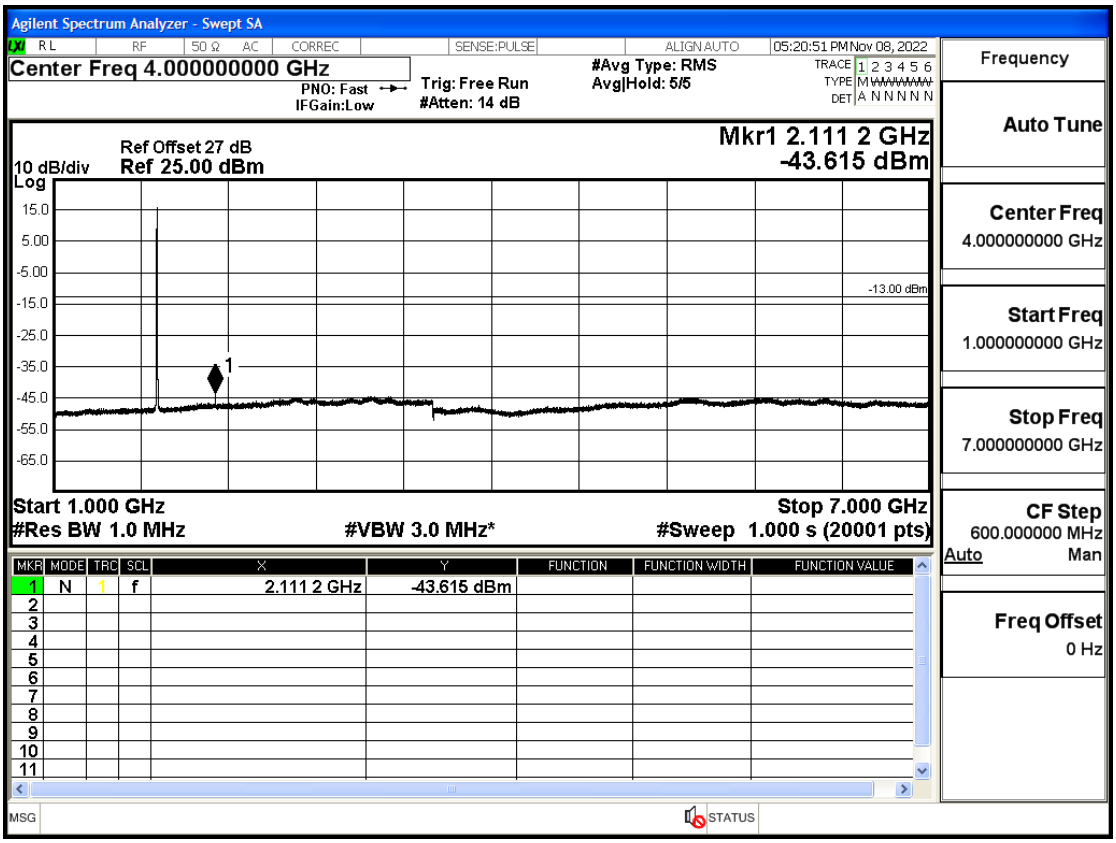
OB4-1.4-1754.3-Q16-6#LOW@13.6GHz-20GHz@Pass



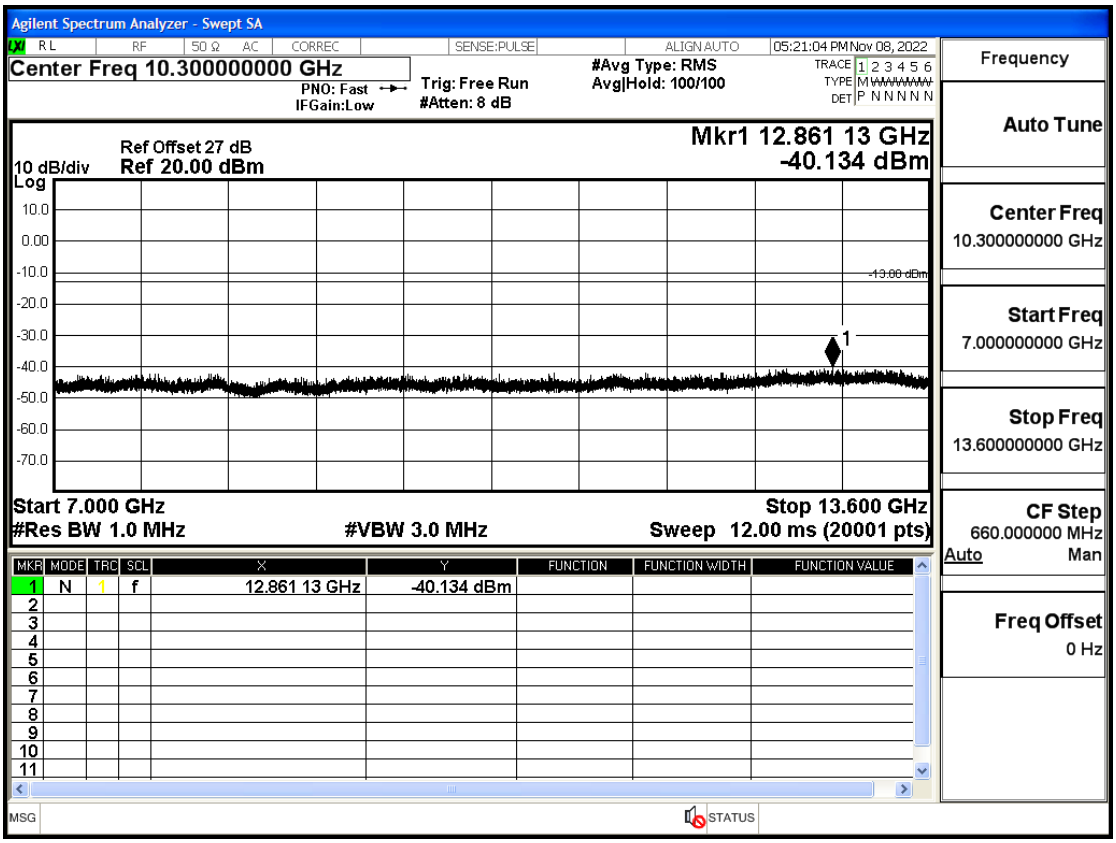
OB4-3-1711.5-Q16-15#LOW@30mHz-1GHz@Pass



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



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



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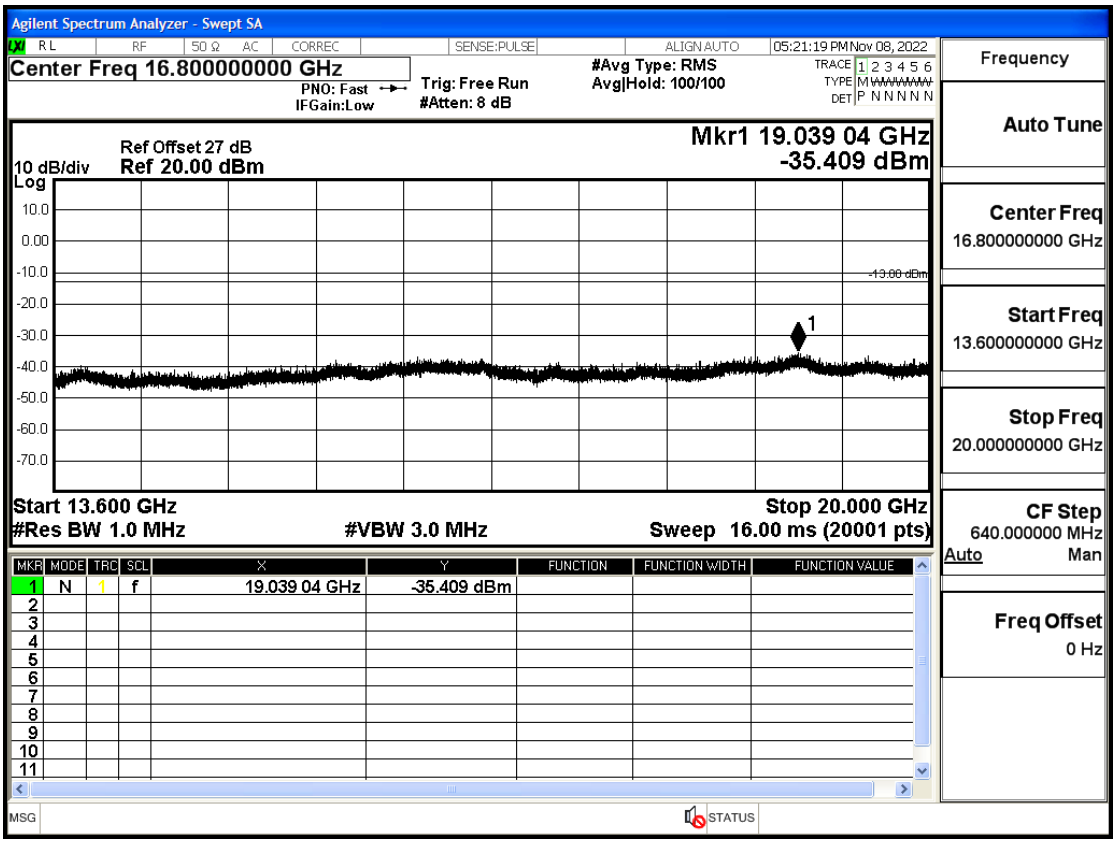
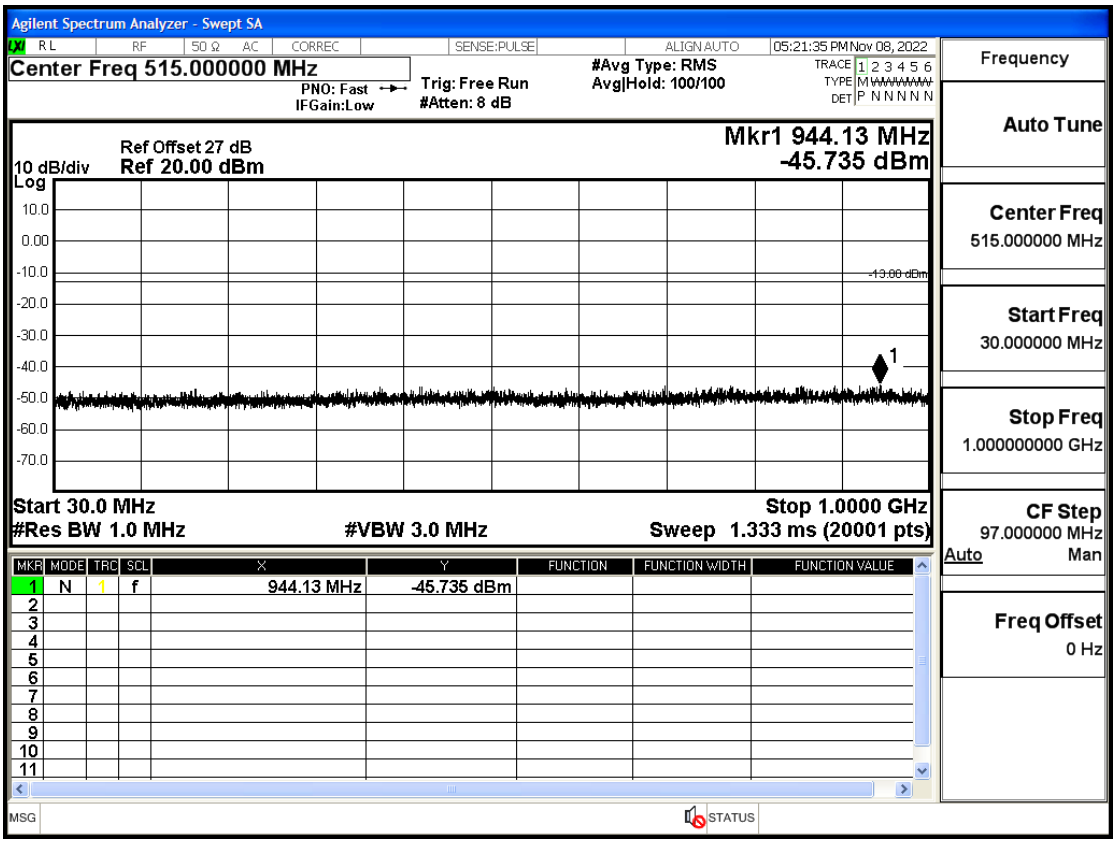
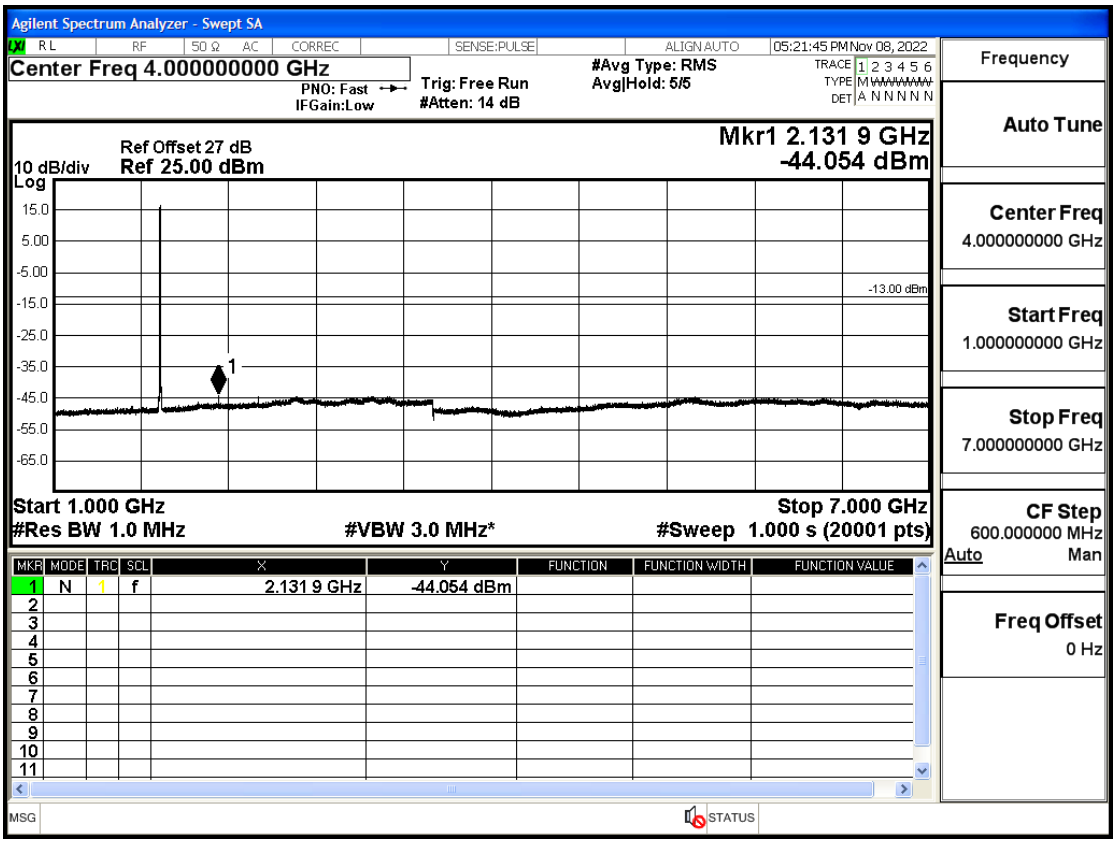


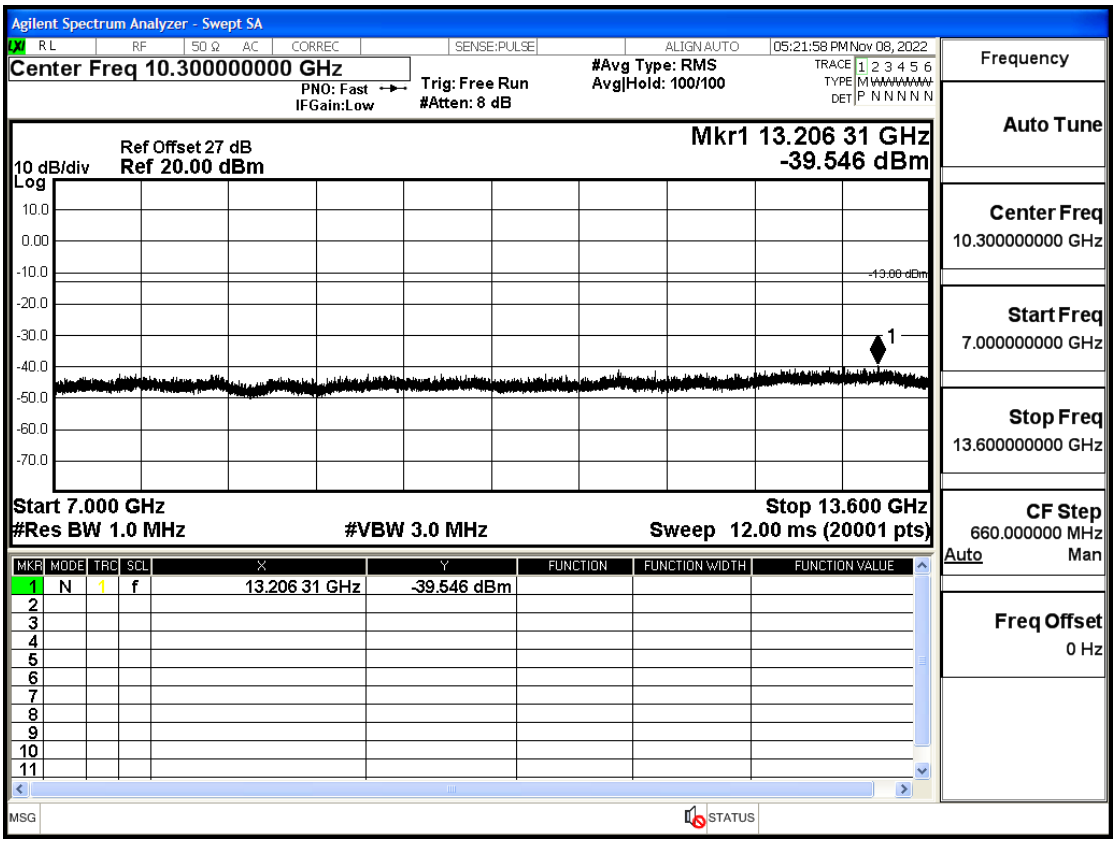
OB4-3-1732.5-Q16-15#LOW@30mHz-1GHz@Pass



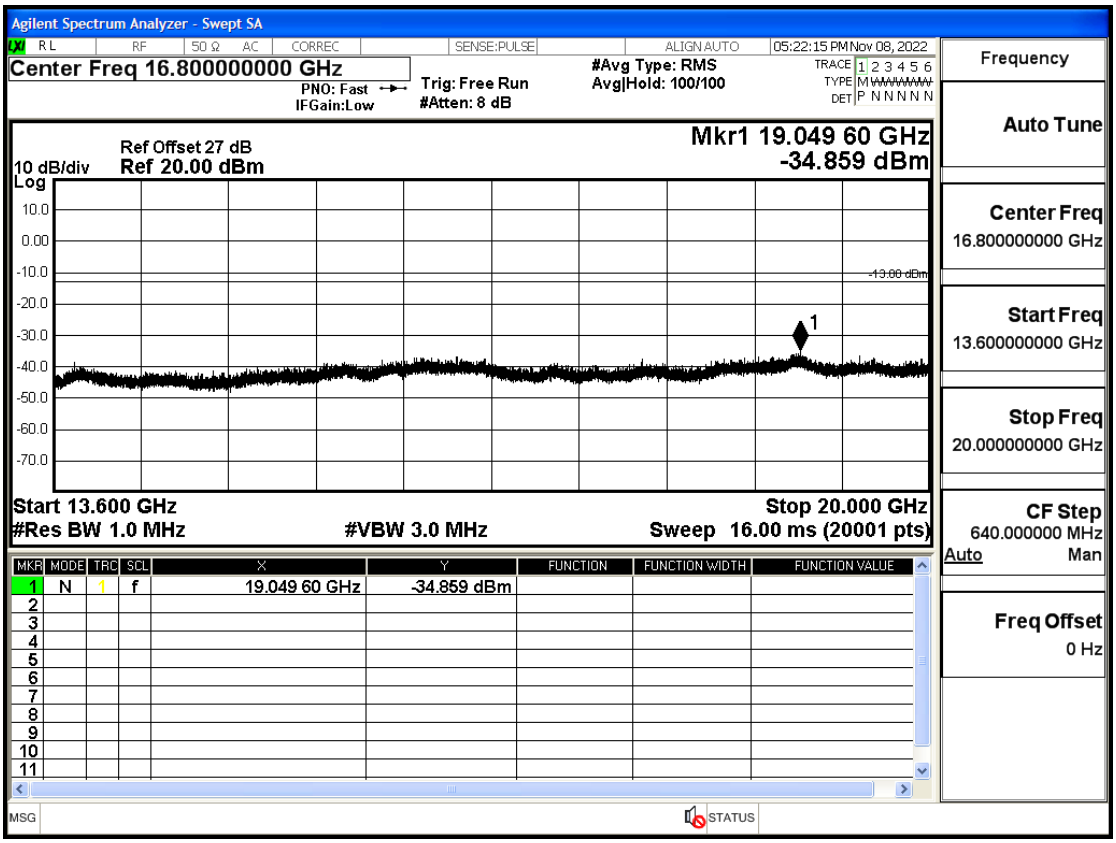
OB4-3-1732.5-Q16-15#LOW@1GHz-7GHz@Pass



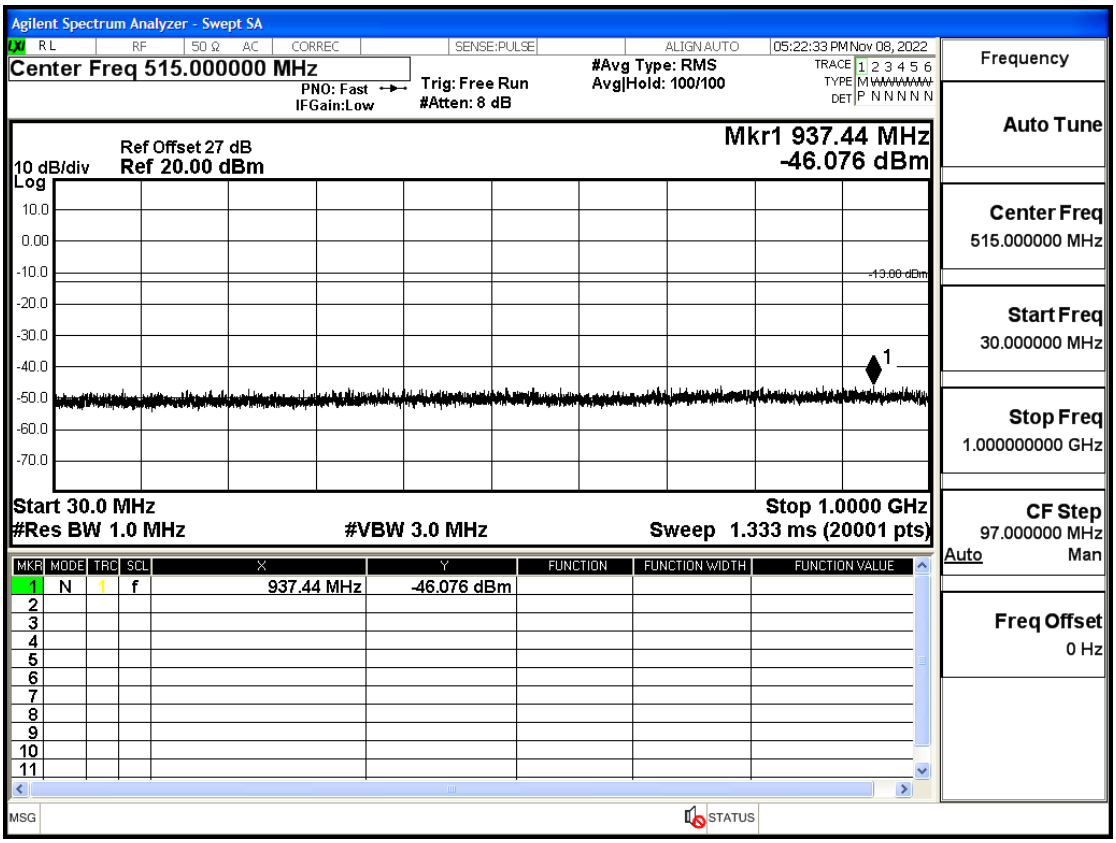
OB4-3-1732.5-Q16-15#LOW@7GHz-13.6GHz@Pass



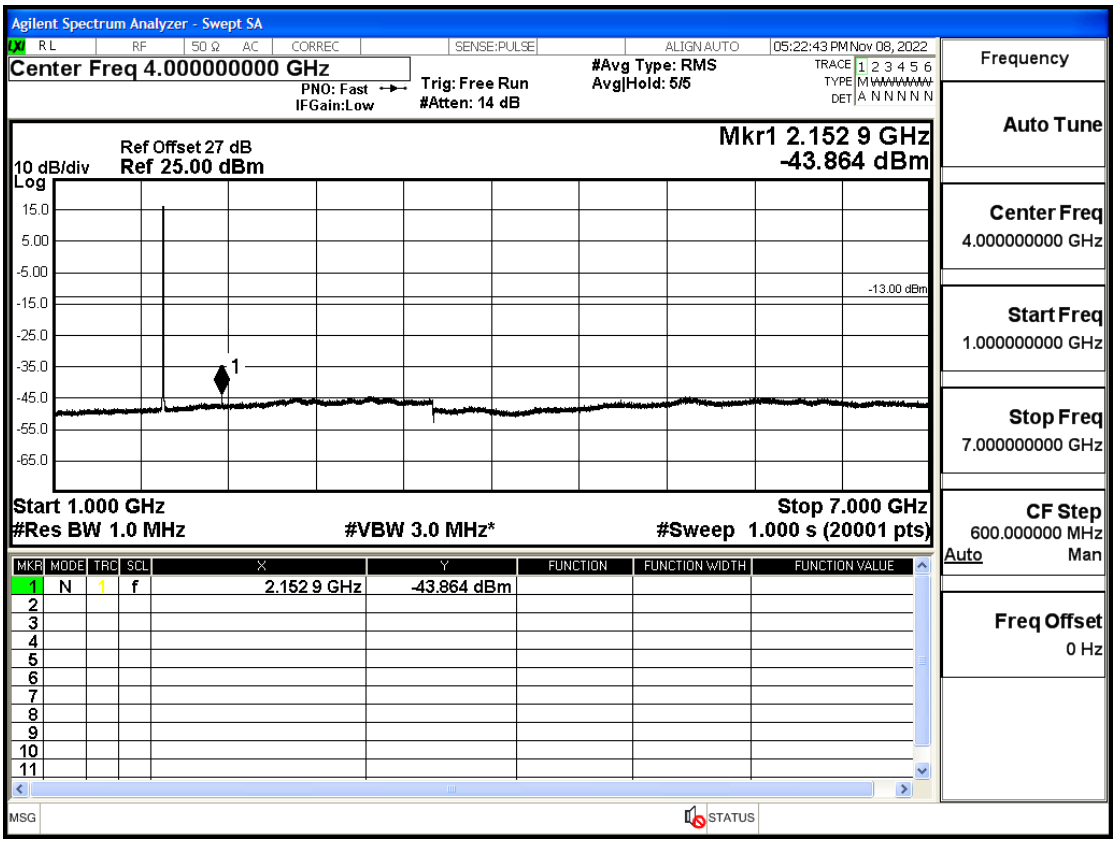
OB4-3-1732.5-Q16-15#LOW@13.6GHz-20GHz@Pass



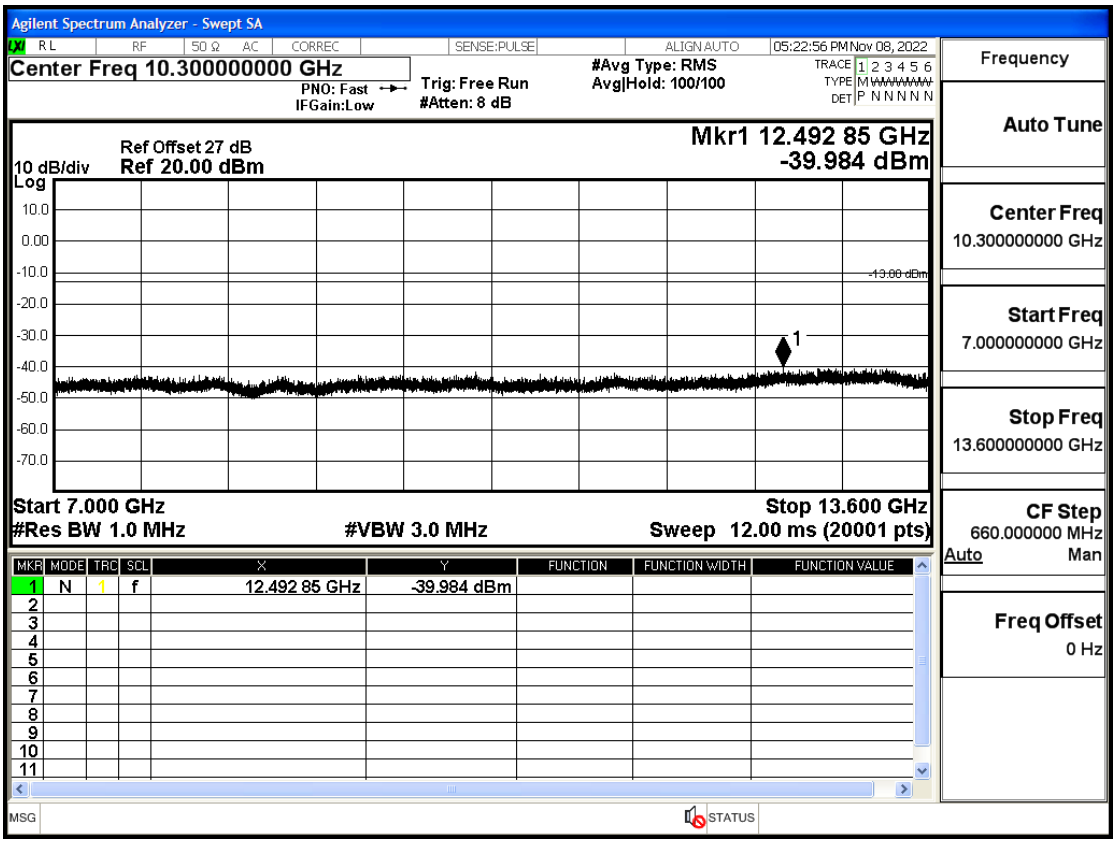
OB4-3-1753.5-Q16-15#LOW@30mHz-1GHz@Pass



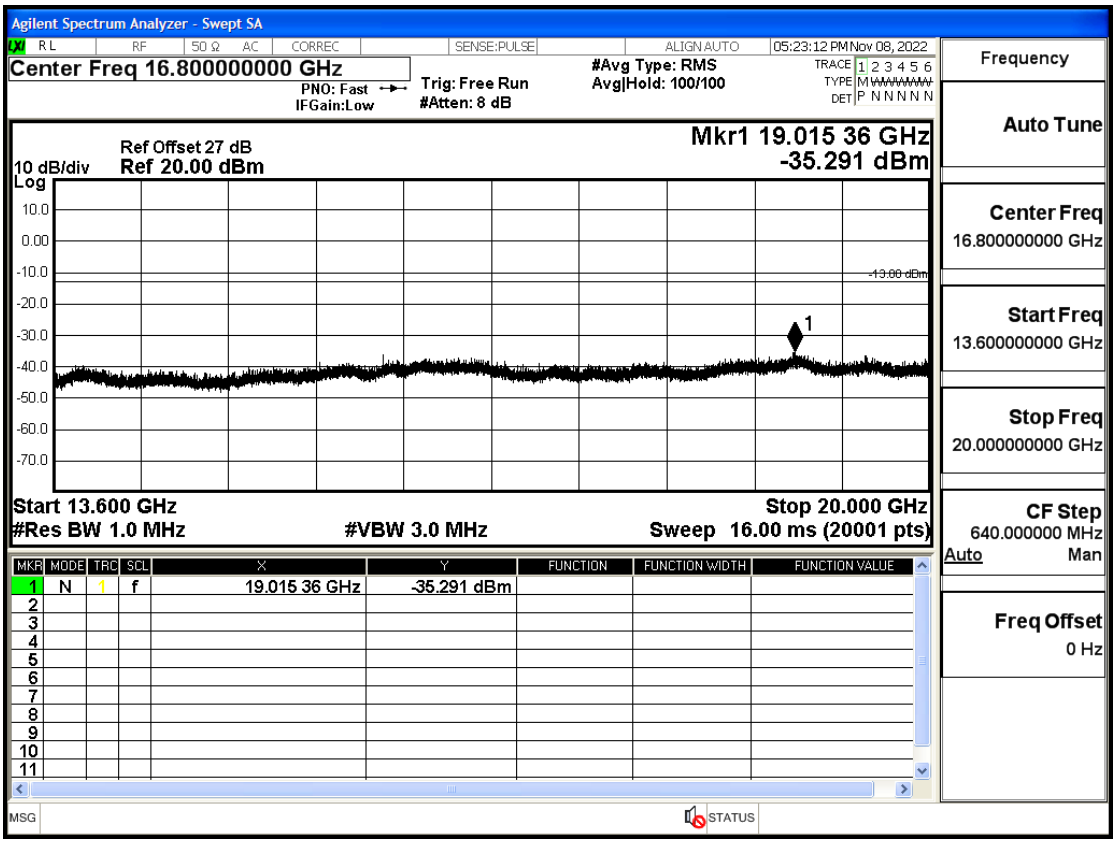
OB4-3-1753.5-Q16-15#LOW@1GHz-7GHz@Pass



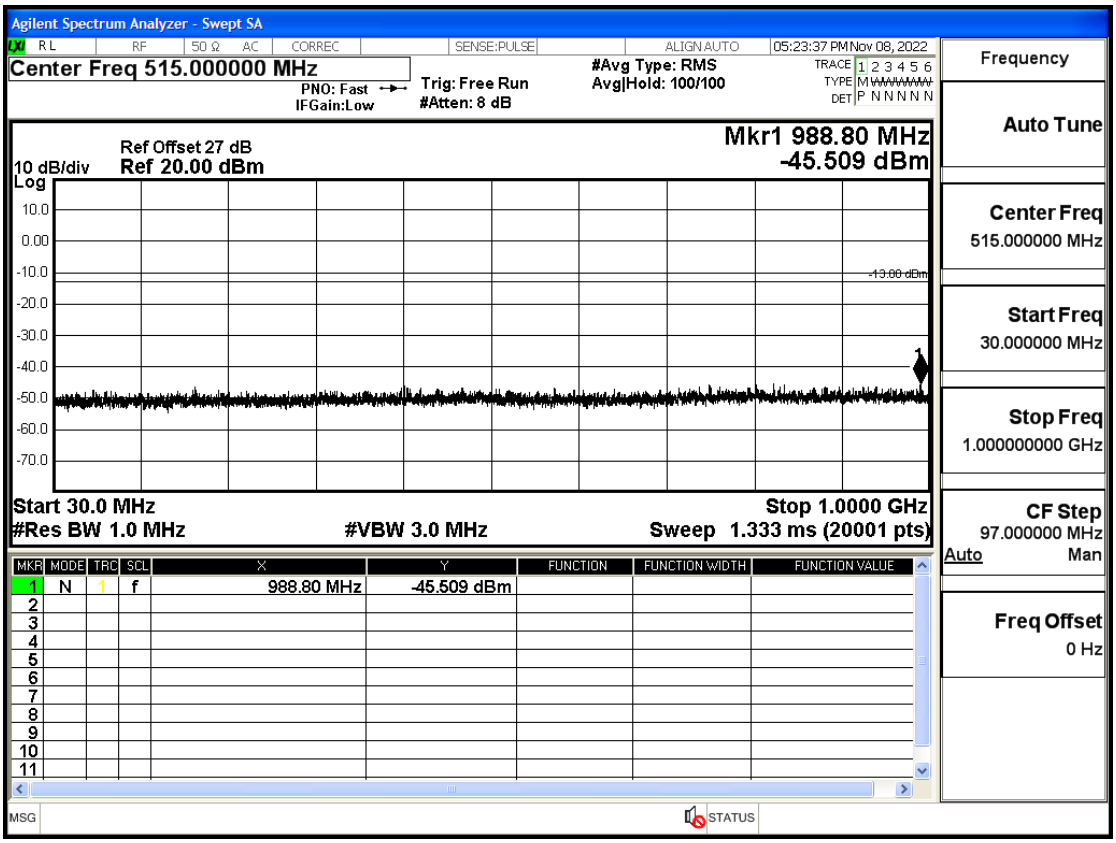
OB4-3-1753.5-Q16-15#LOW@7GHz-13.6GHz@Pass



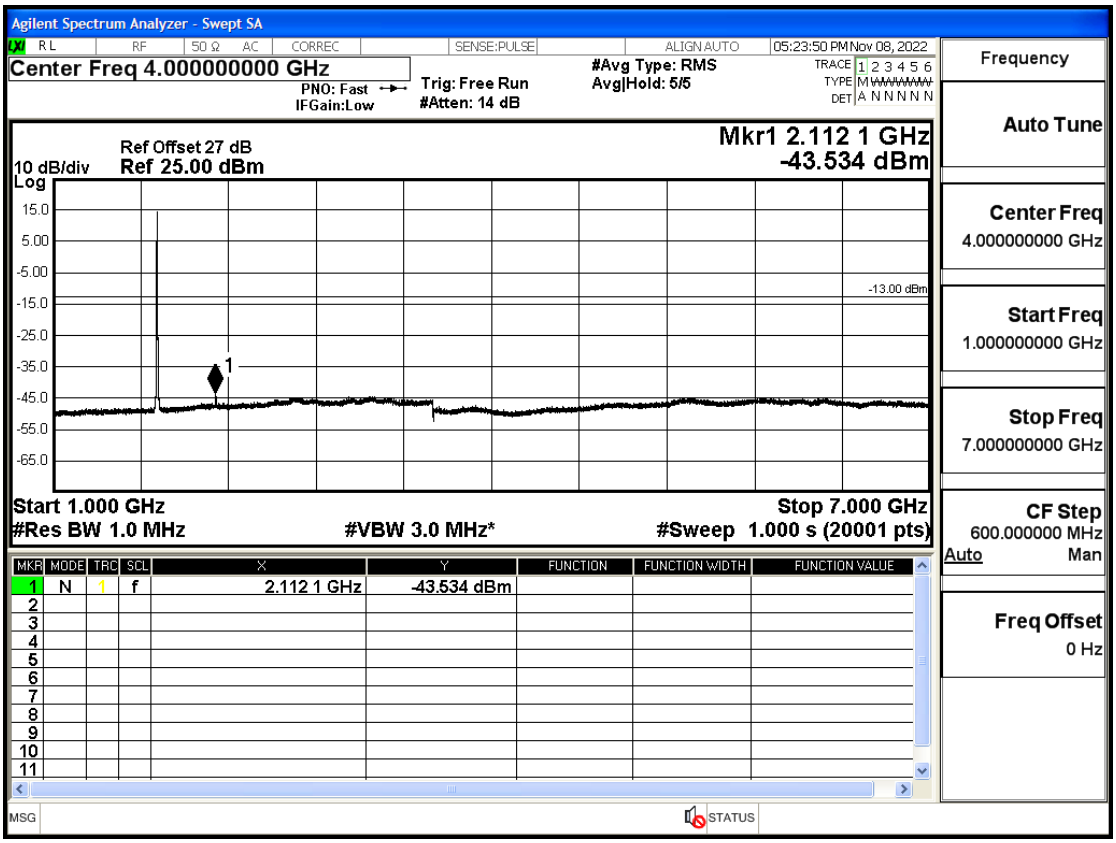
OB4-3-1753.5-Q16-15#LOW@13.6GHz-20GHz@Pass



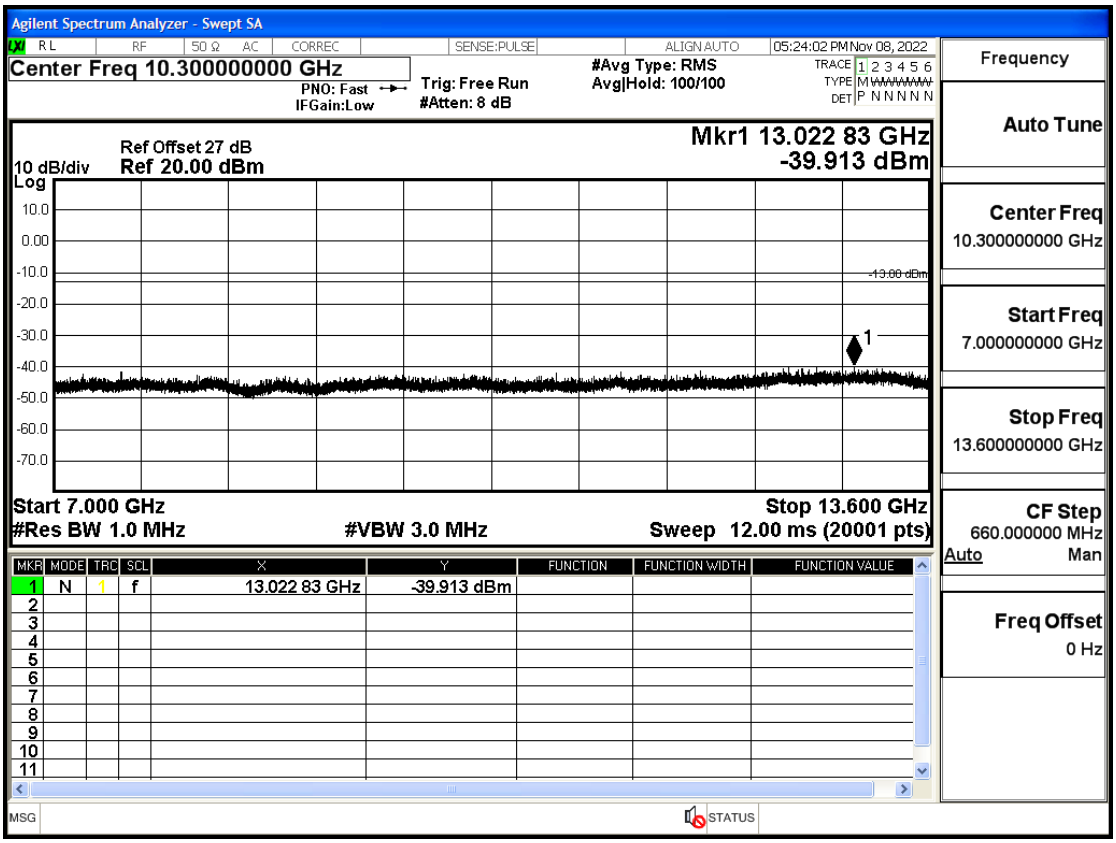
OB4-5-1712.5-Q16-25#LOW@30mHz-1GHz@Pass



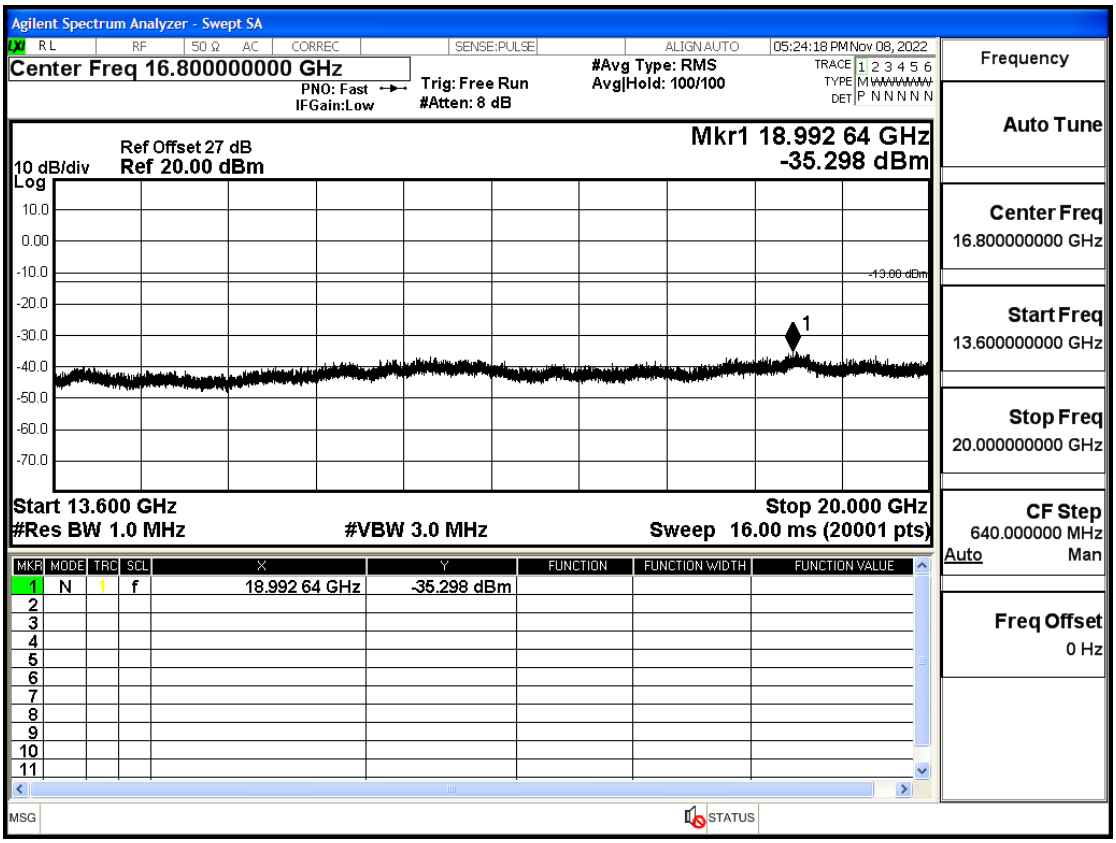
OB4-5-1712.5-Q16-25#LOW@1GHz-7GHz@Pass



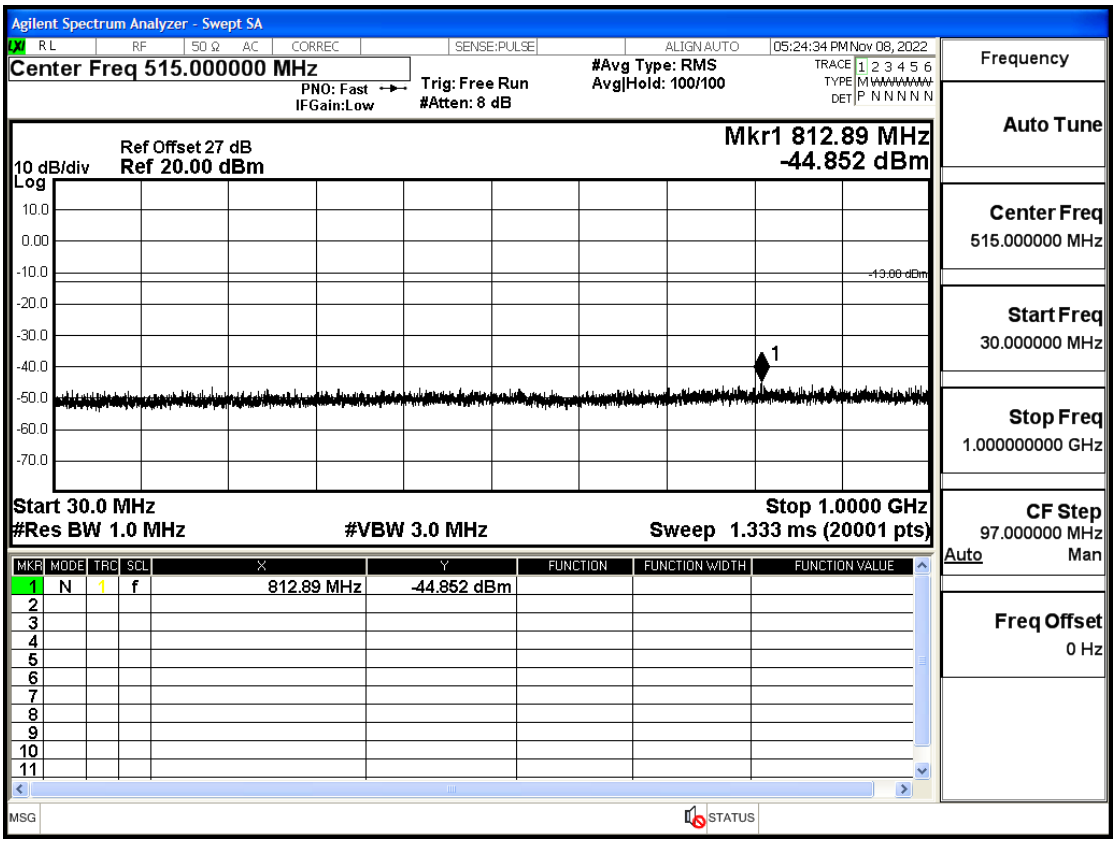
OB4-5-1712.5-Q16-25#LOW@7GHz-13.6GHz@Pass



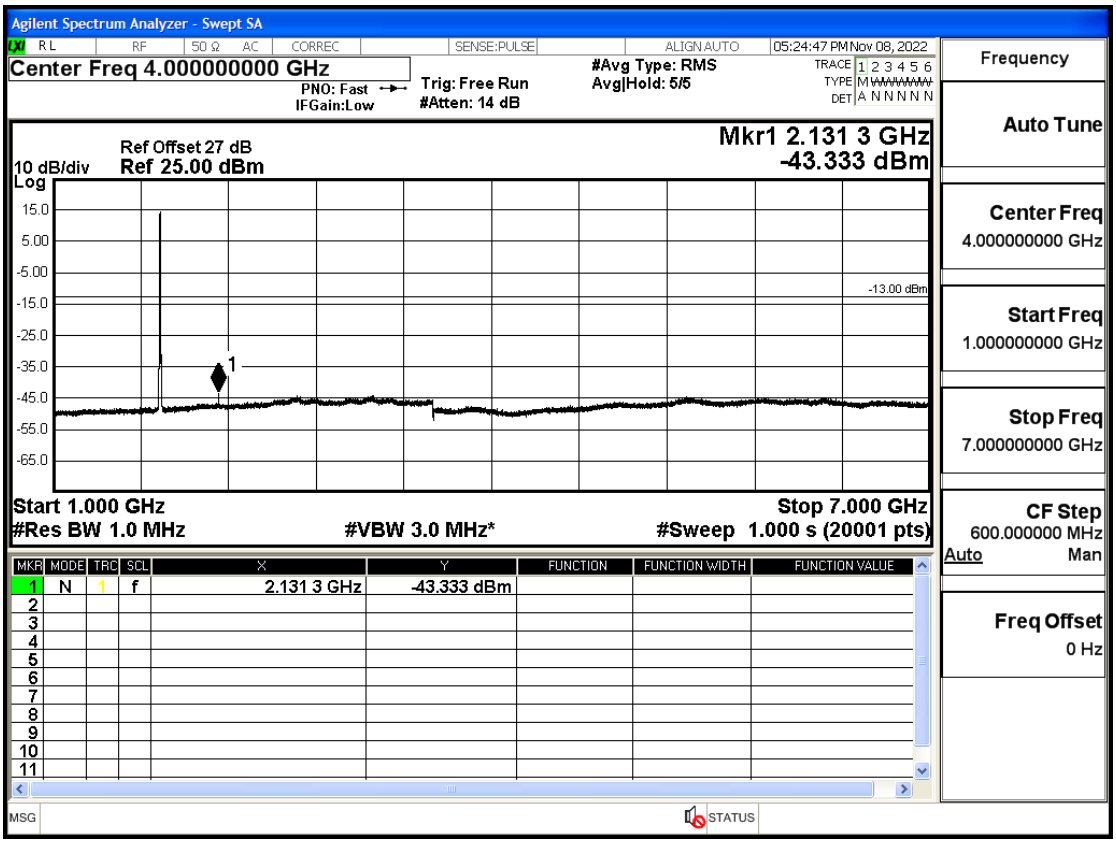
OB4-5-1712.5-Q16-25#LOW@13.6GHz-20GHz@Pass



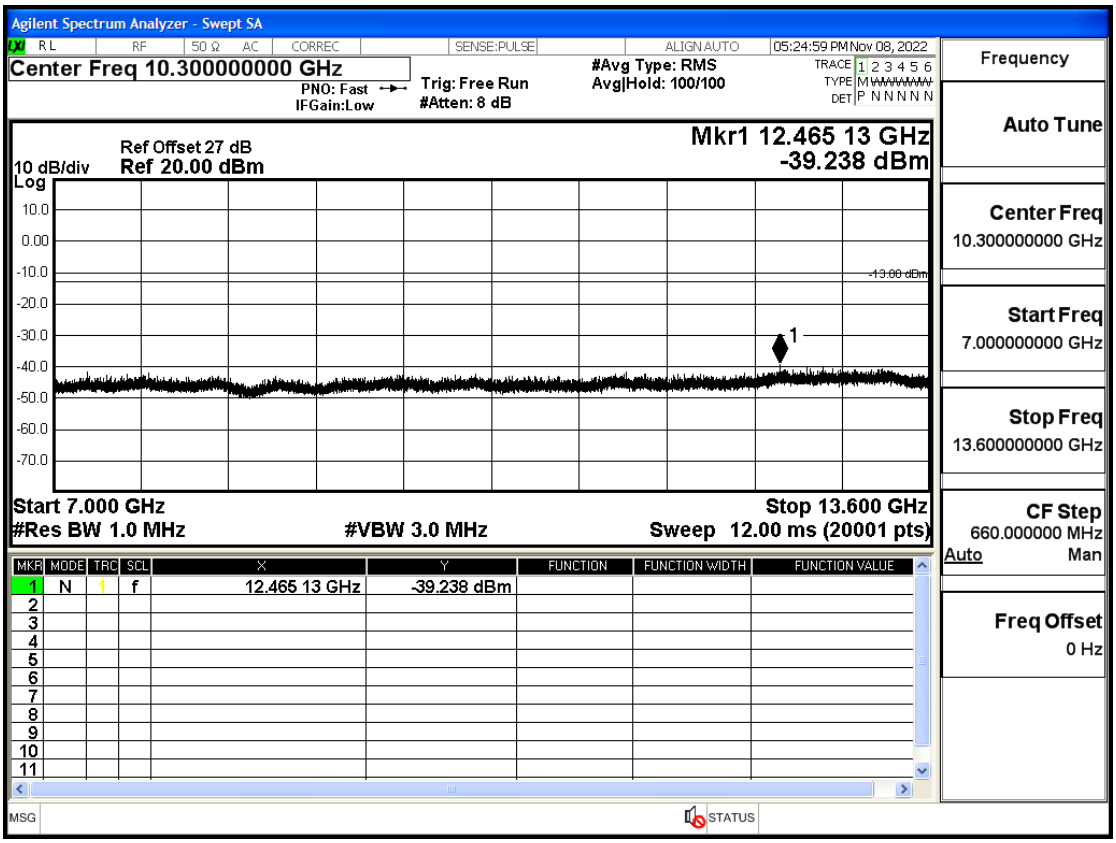
OB4-5-1732.5-Q16-25#LOW@30mHz-1GHz@Pass



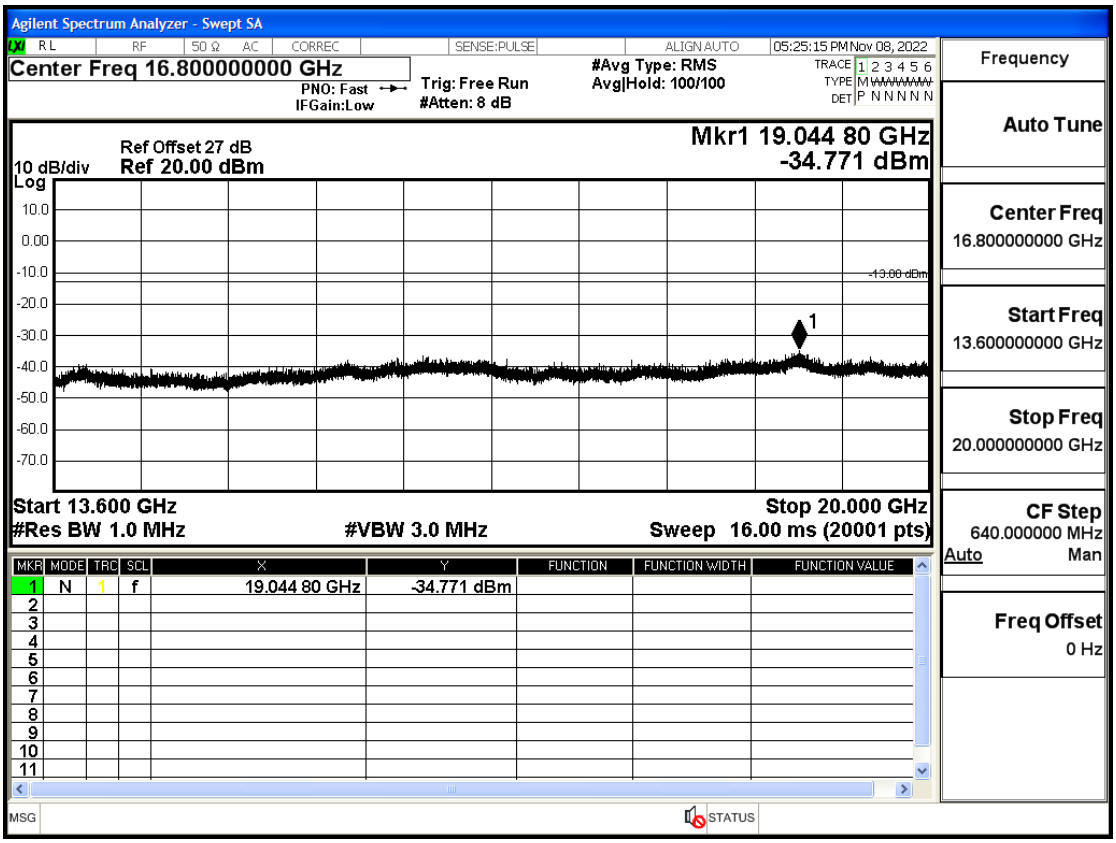
OB4-5-1732.5-Q16-25#LOW@1GHz-7GHz@Pass



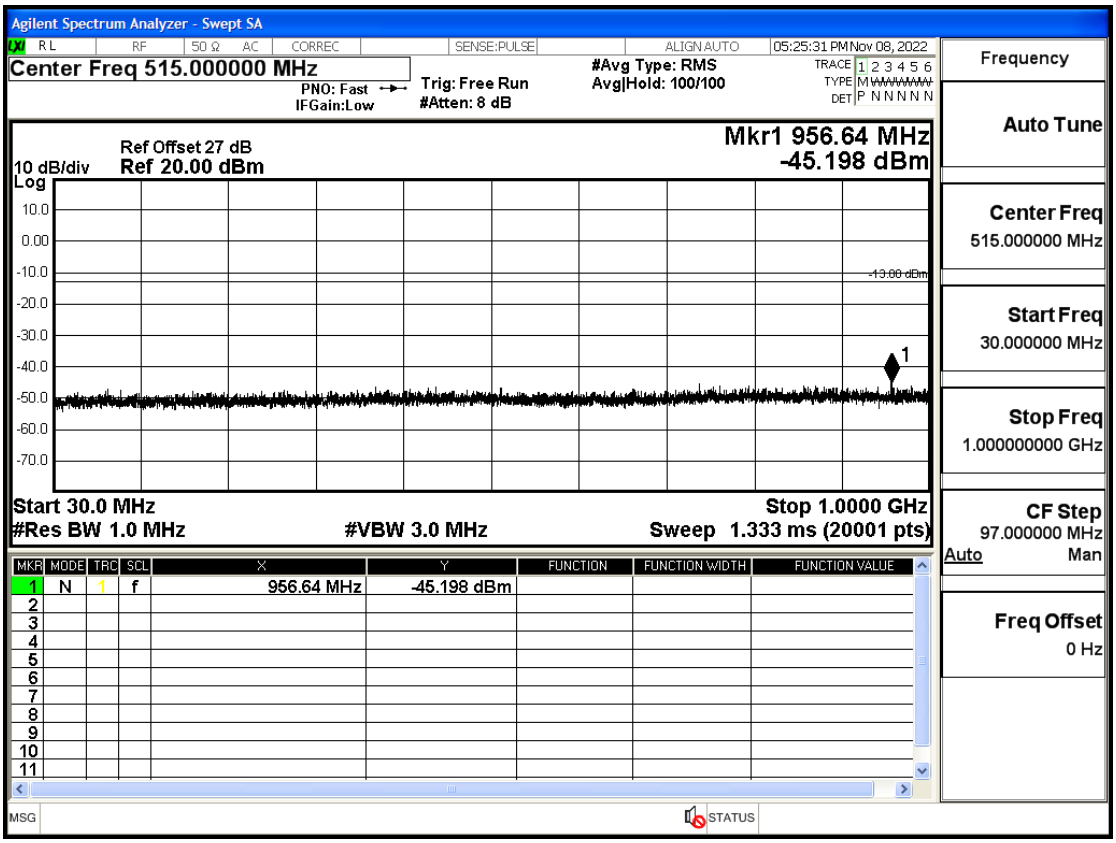
OB4-5-1732.5-Q16-25#LOW@7GHz-13.6GHz@Pass



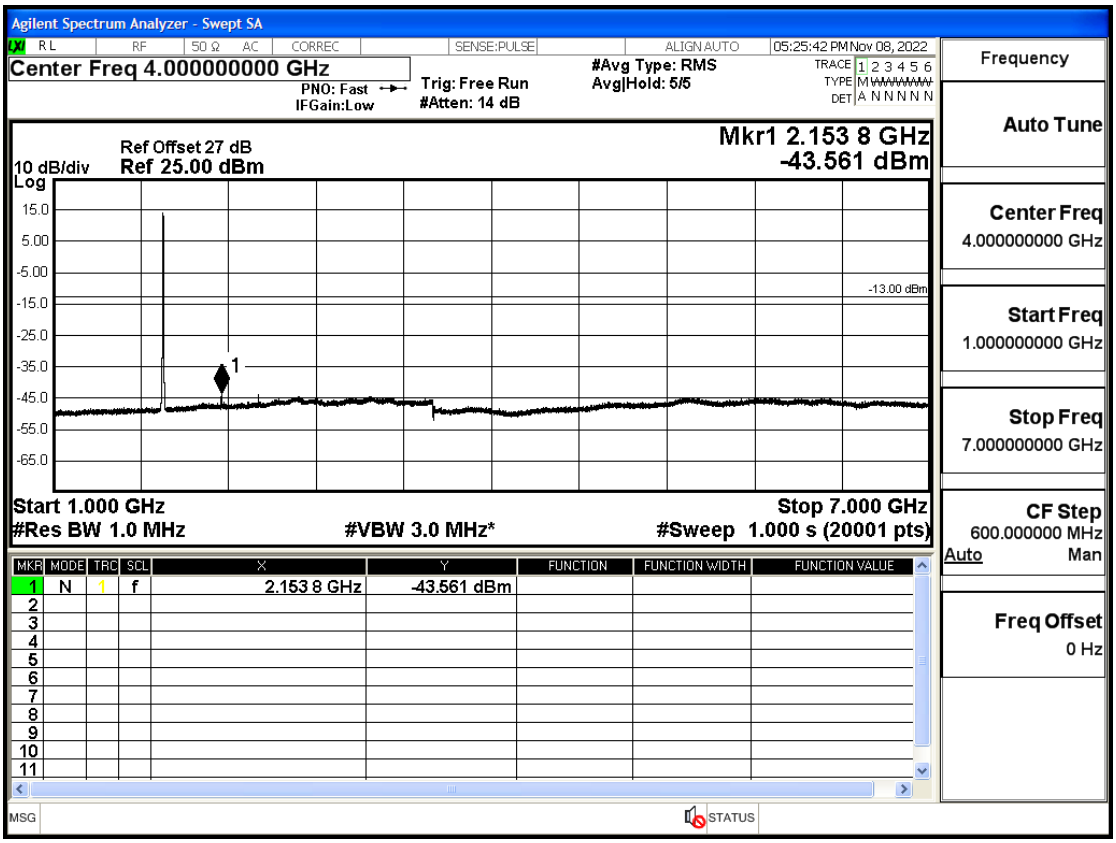
OB4-5-1732.5-Q16-25#LOW@13.6GHz-20GHz@Pass



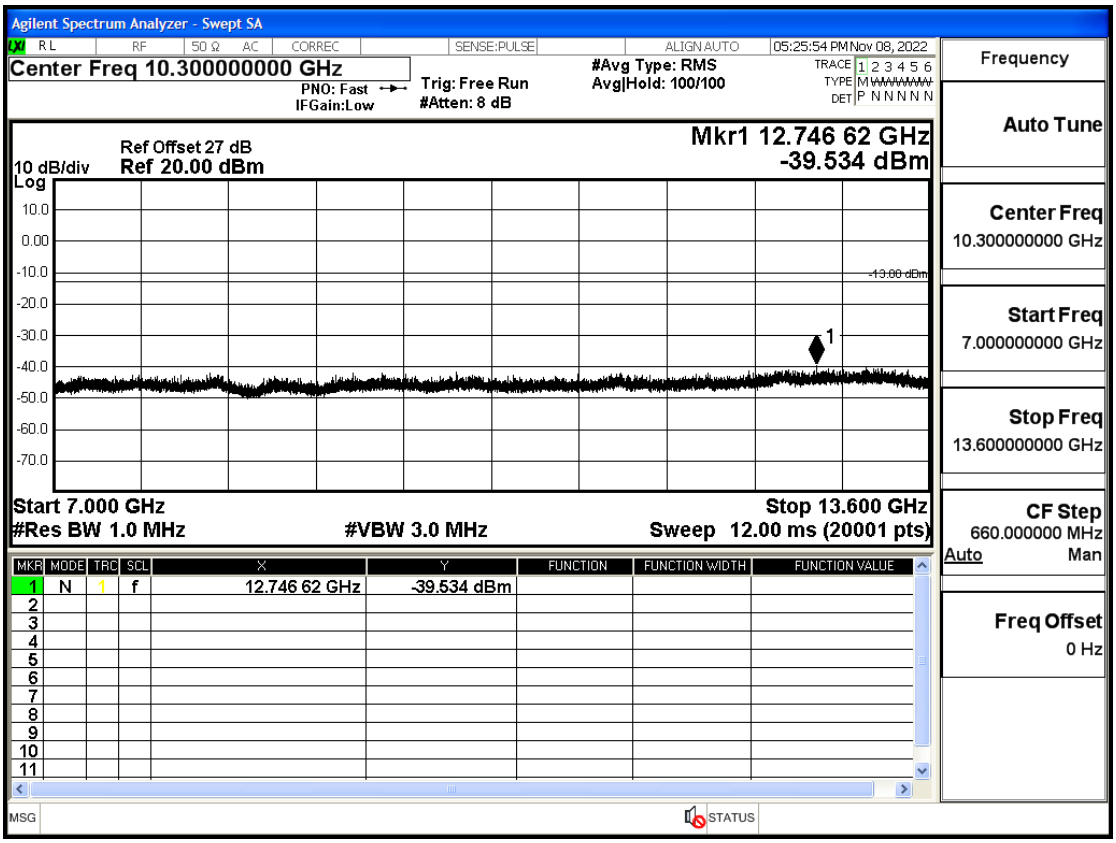
OB4-5-1752.5-Q16-25#LOW@30mHz-1GHz@Pass



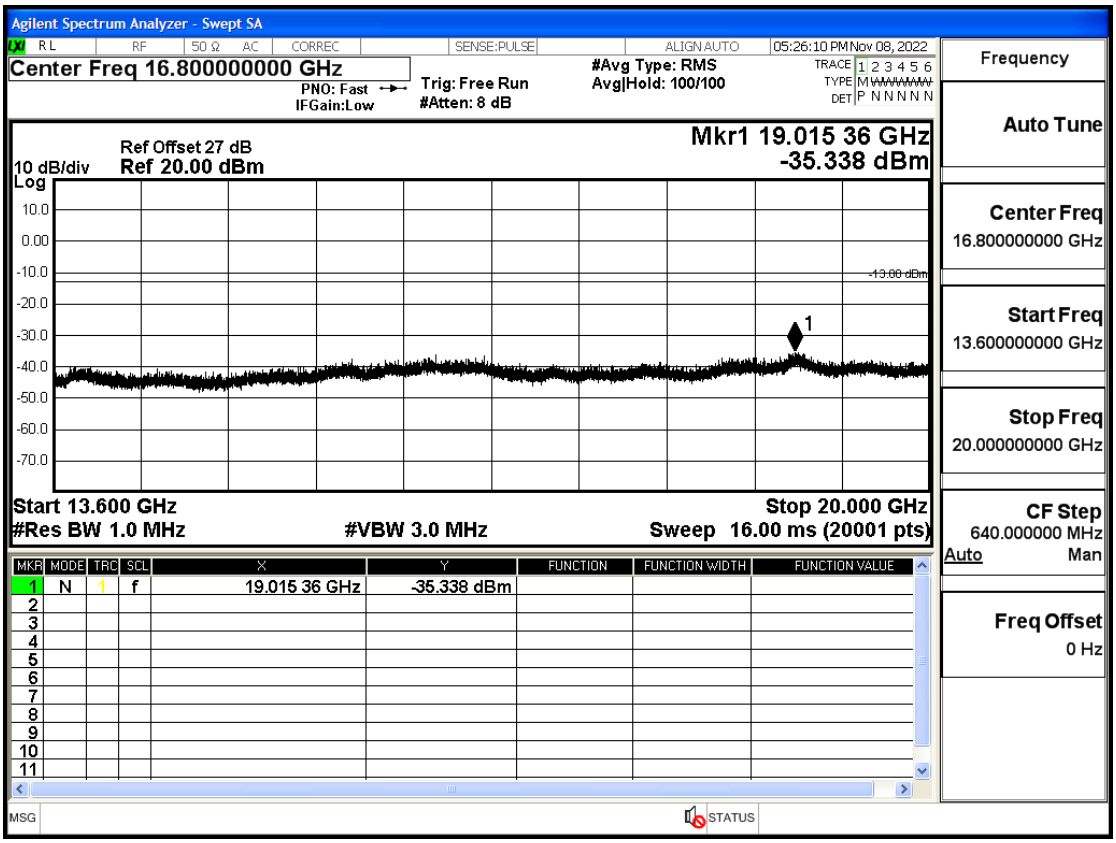
OB4-5-1752.5-Q16-25#LOW@1GHz-7GHz@Pass



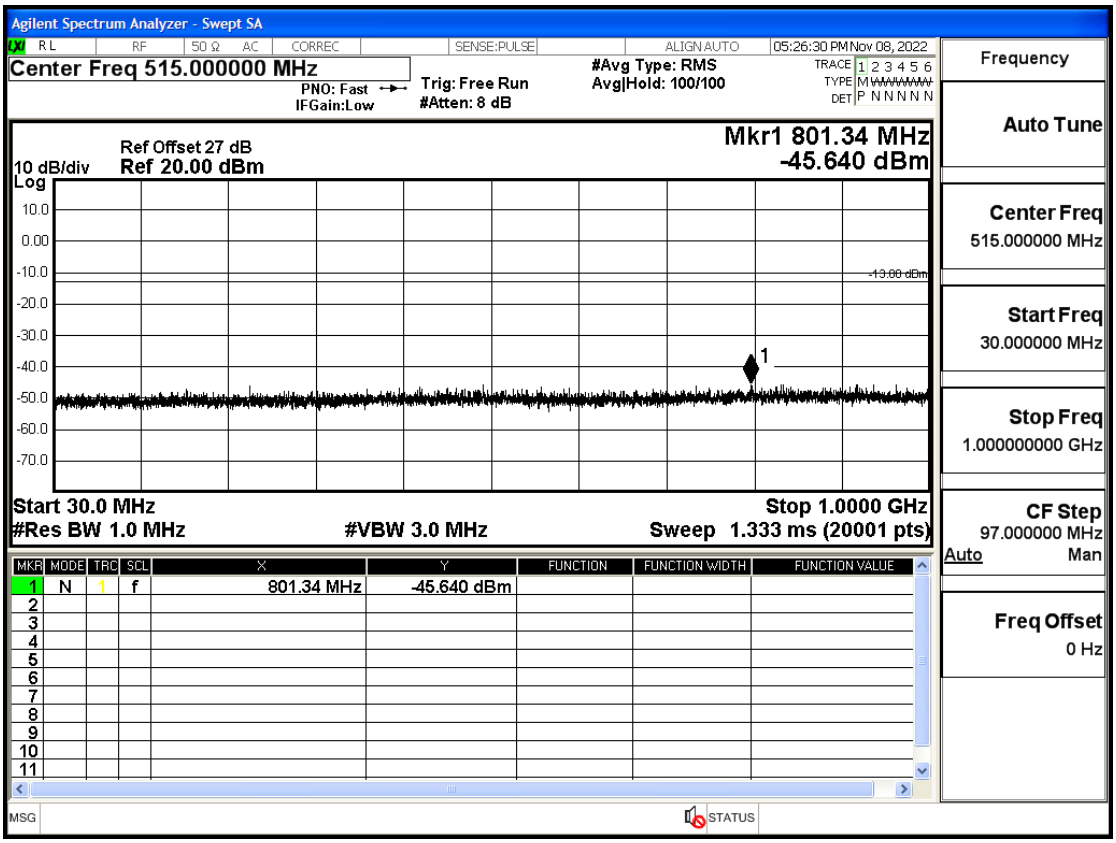
OB4-5-1752.5-Q16-25#LOW@7GHz-13.6GHz@Pass



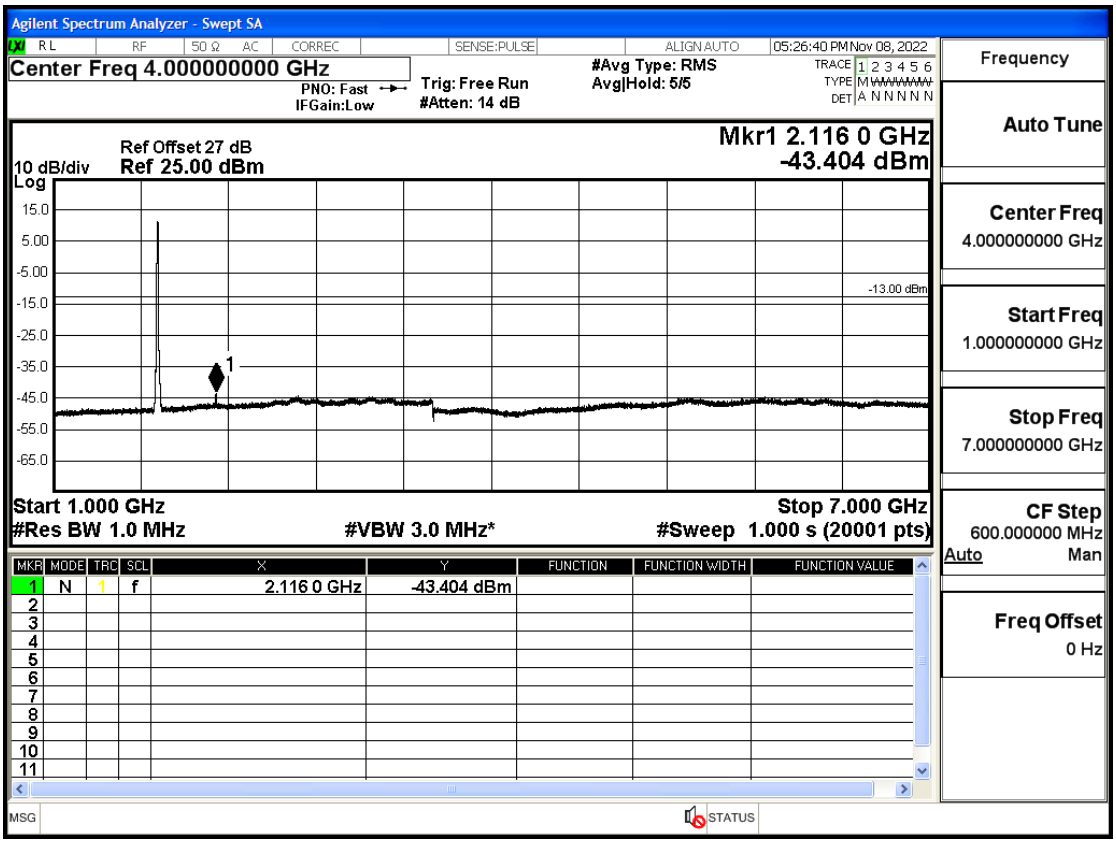
OB4-5-1752.5-Q16-25#LOW@13.6GHz-20GHz@Pass



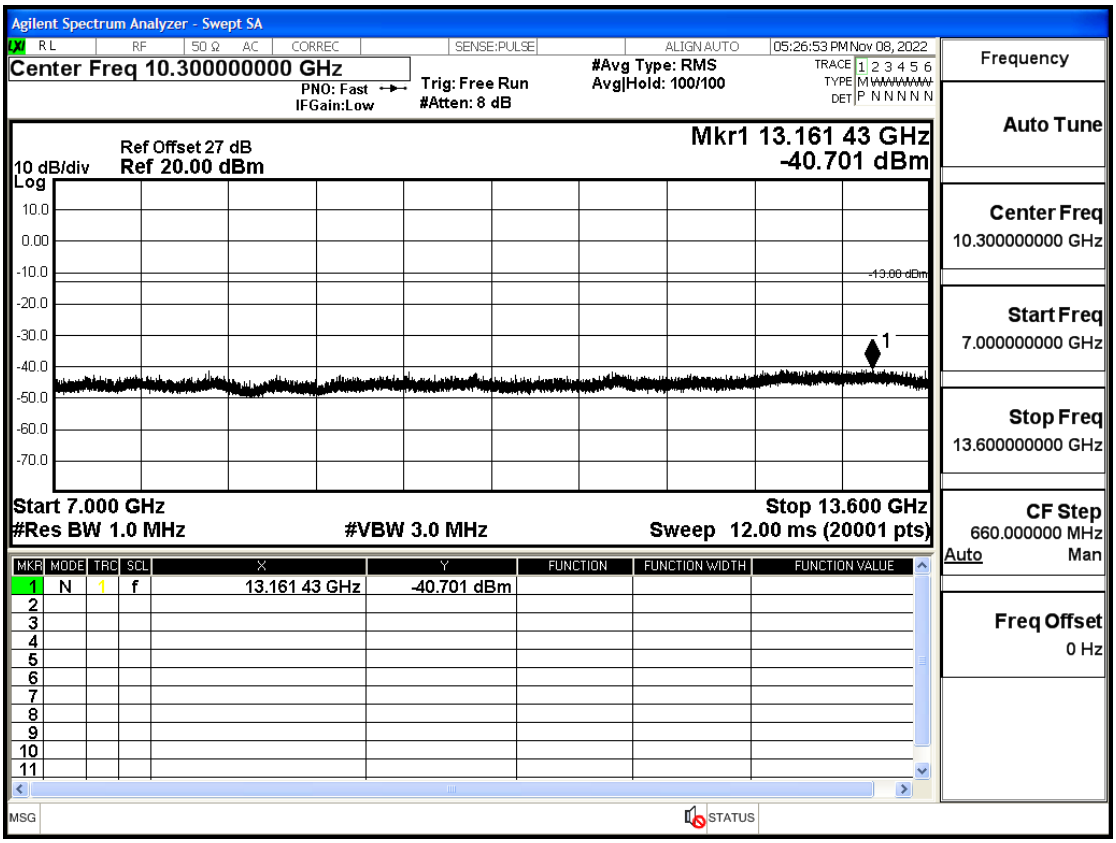
OB4-10-1715-Q16-50#LOW@30mHz-1GHz@Pass



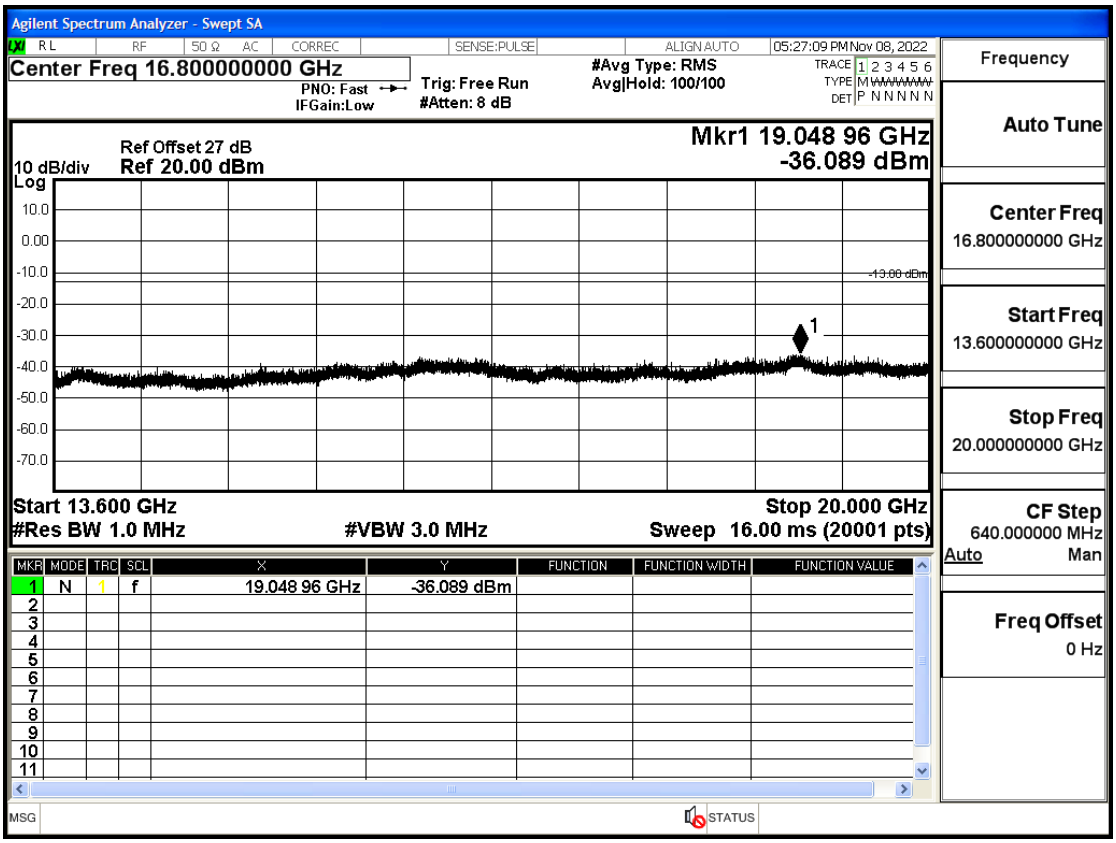
OB4-10-1715-Q16-50#LOW@1GHz-7GHz@Pass



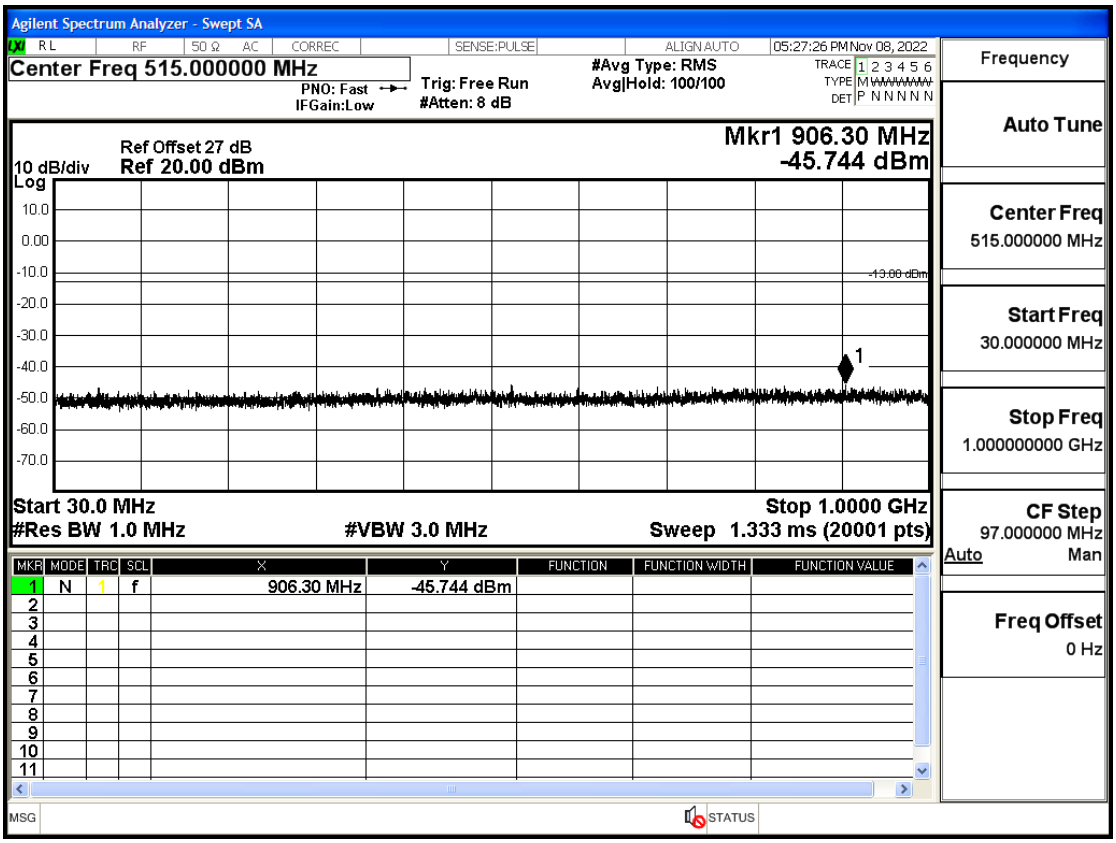
OB4-10-1715-Q16-50#LOW@7GHz-13.6GHz@Pass



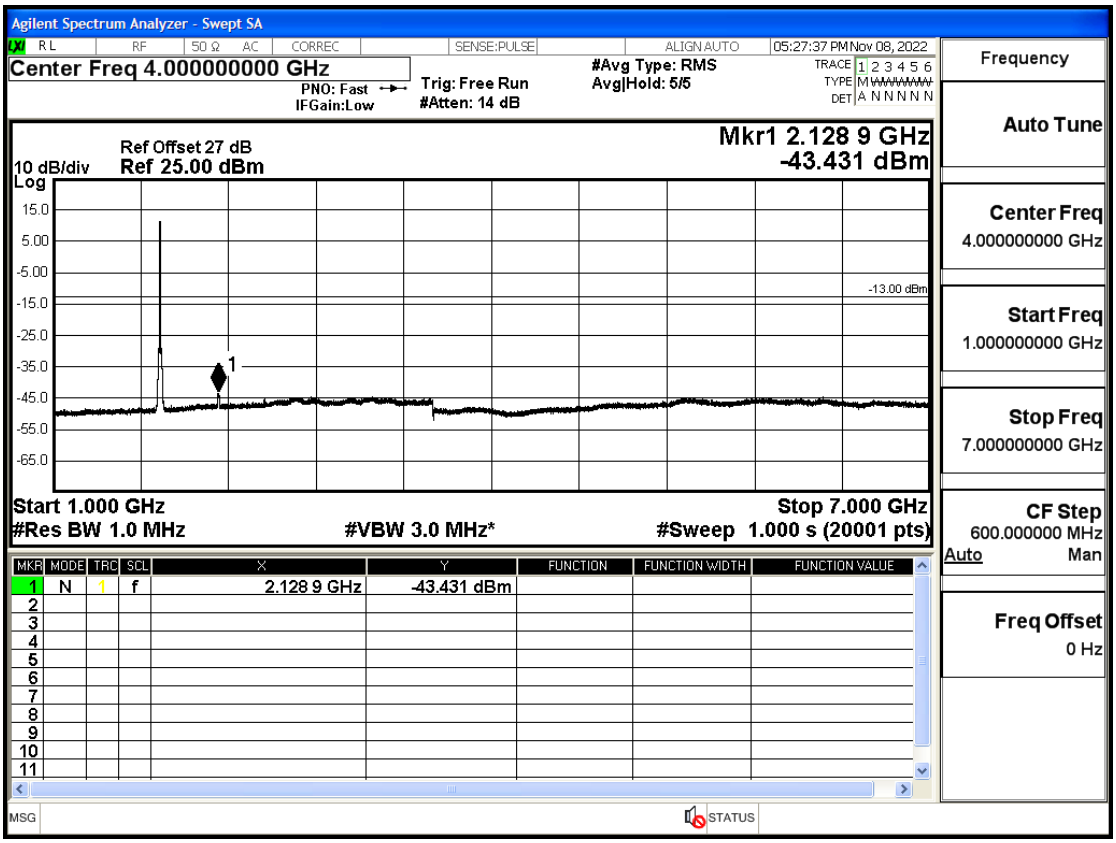
OB4-10-1715-Q16-50#LOW@13.6GHz-20GHz@Pass



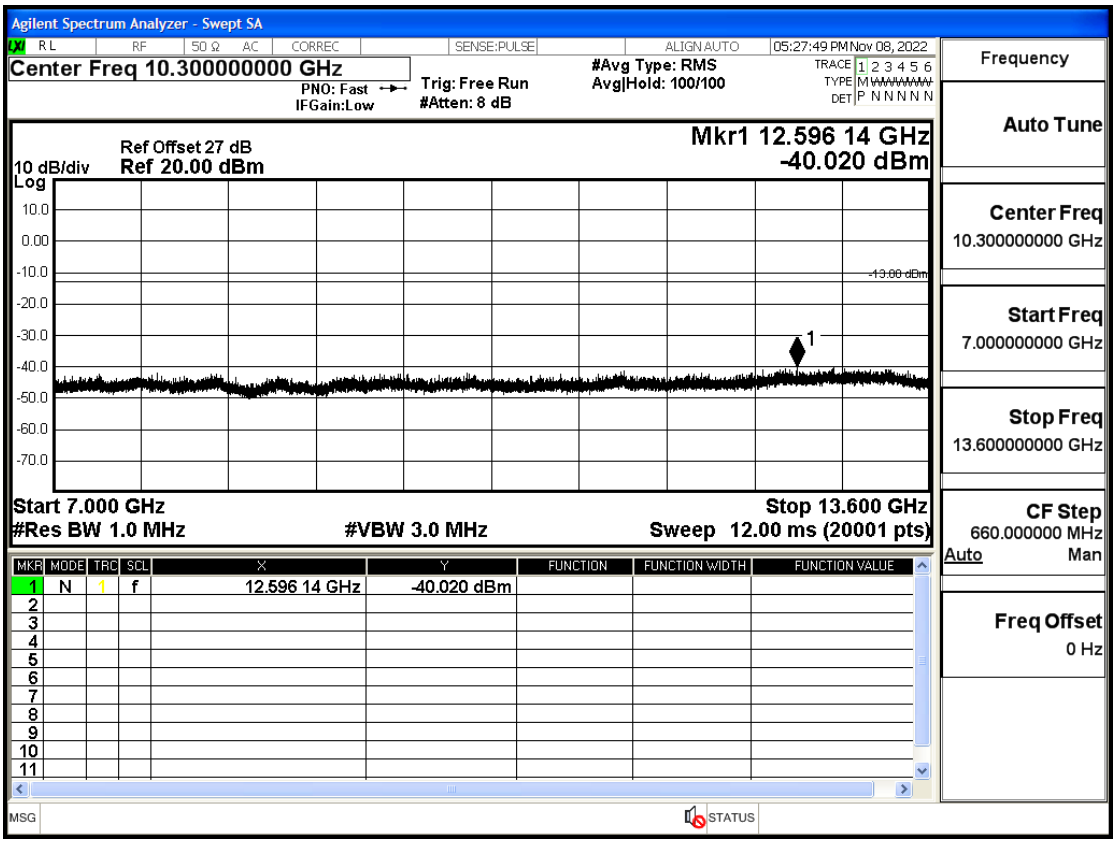
OB4-10-1732.5-Q16-50#LOW@30mHz-1GHz@Pass



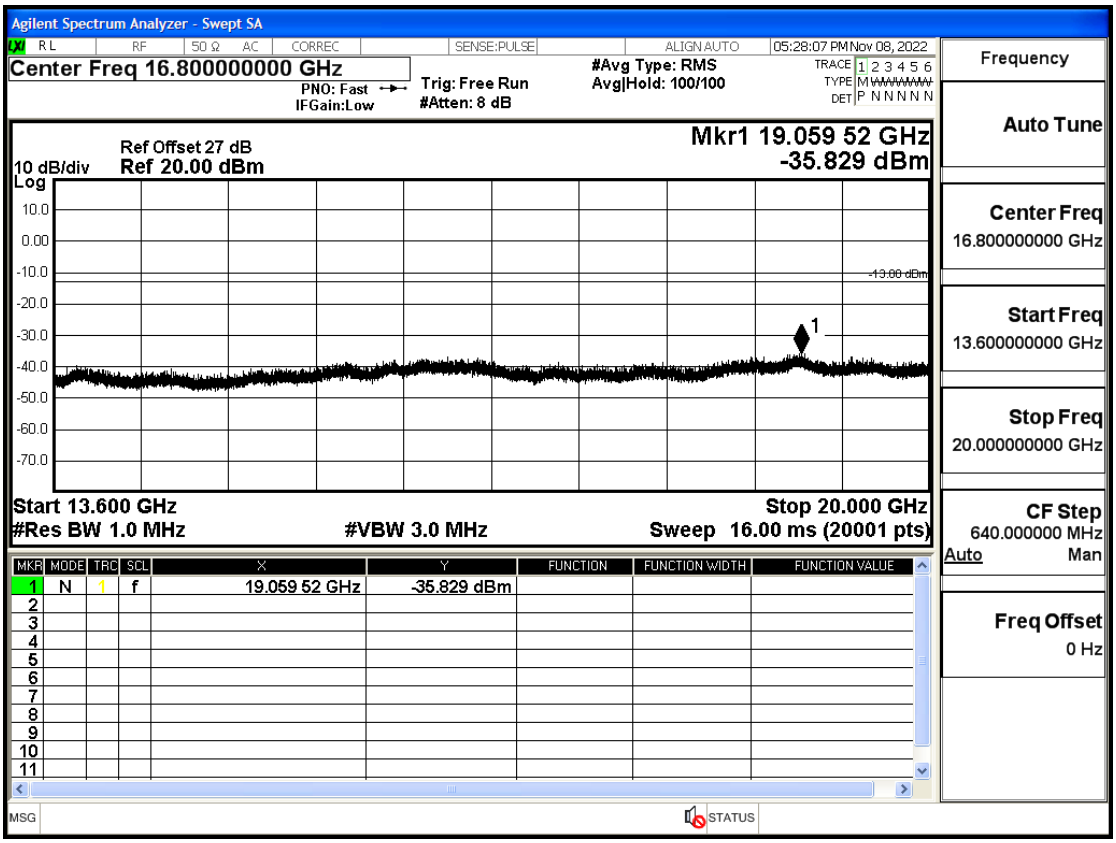
OB4-10-1732.5-Q16-50#LOW@1GHz-7GHz@Pass



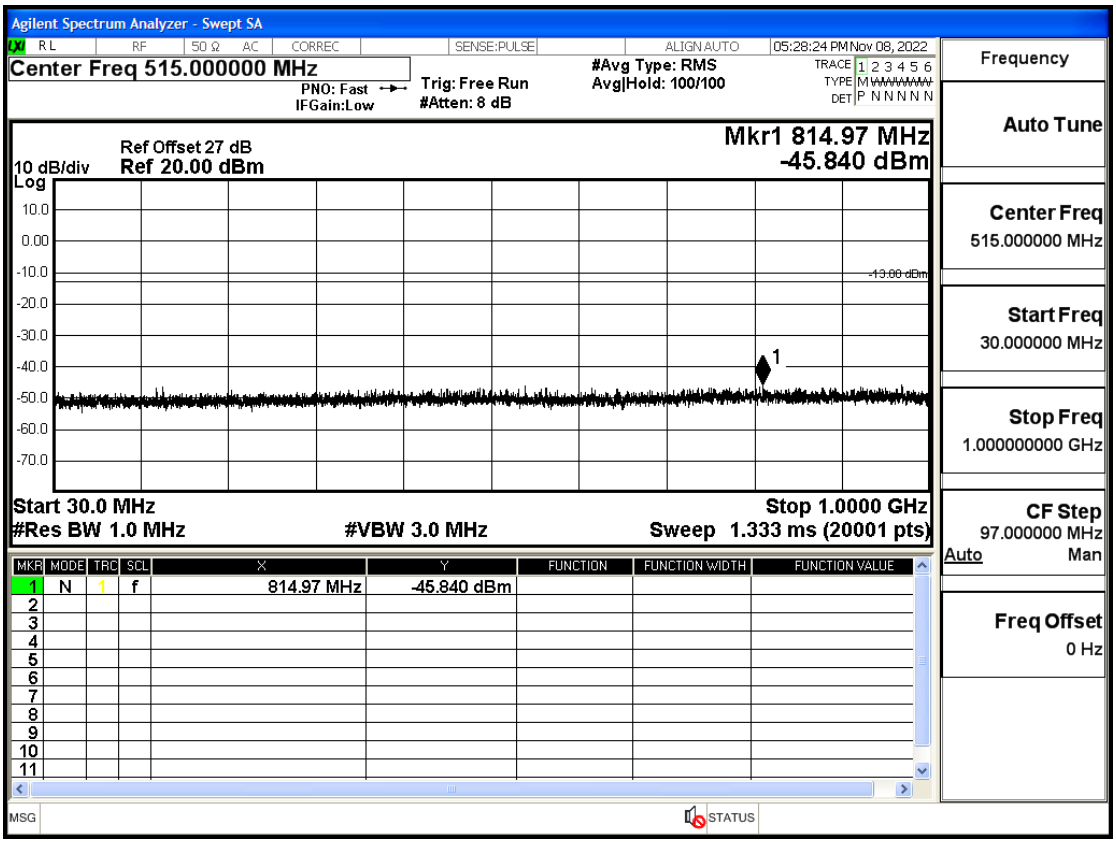
OB4-10-1732.5-Q16-50#LOW@7GHz-13.6GHz@Pass



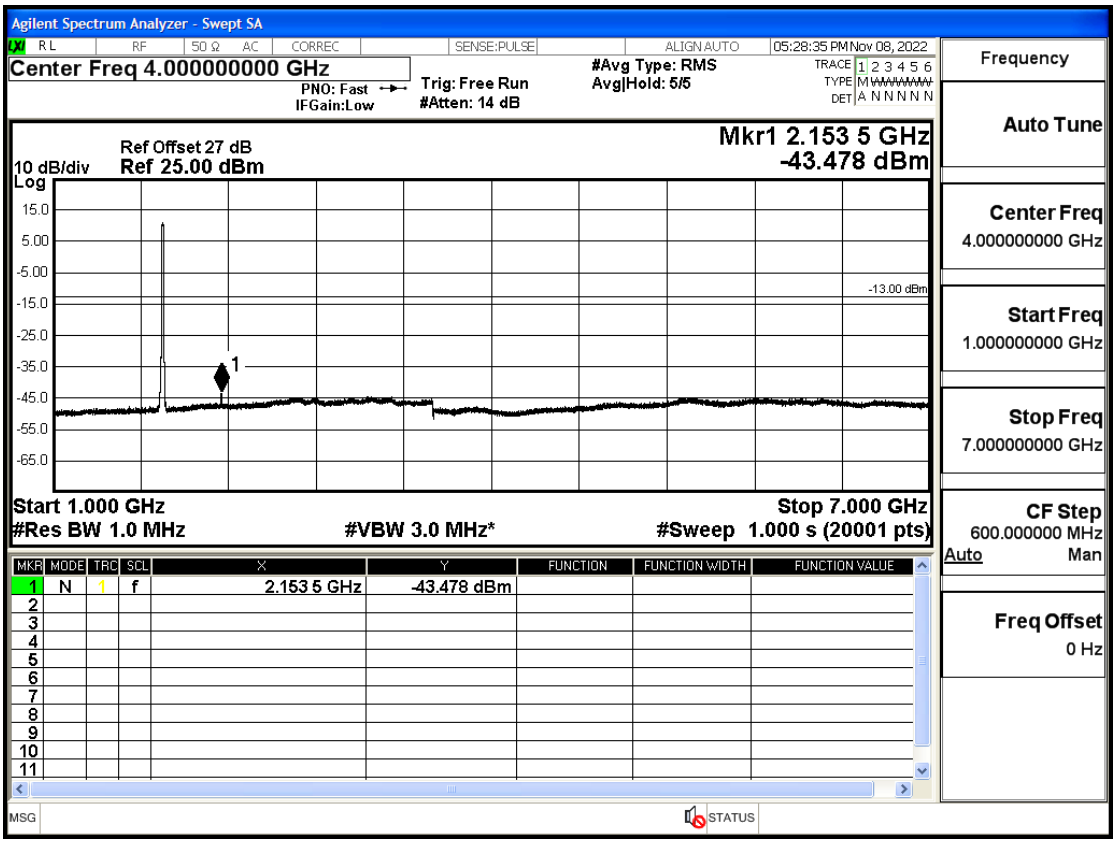
OB4-10-1732.5-Q16-50#LOW@13.6GHz-20GHz@Pass



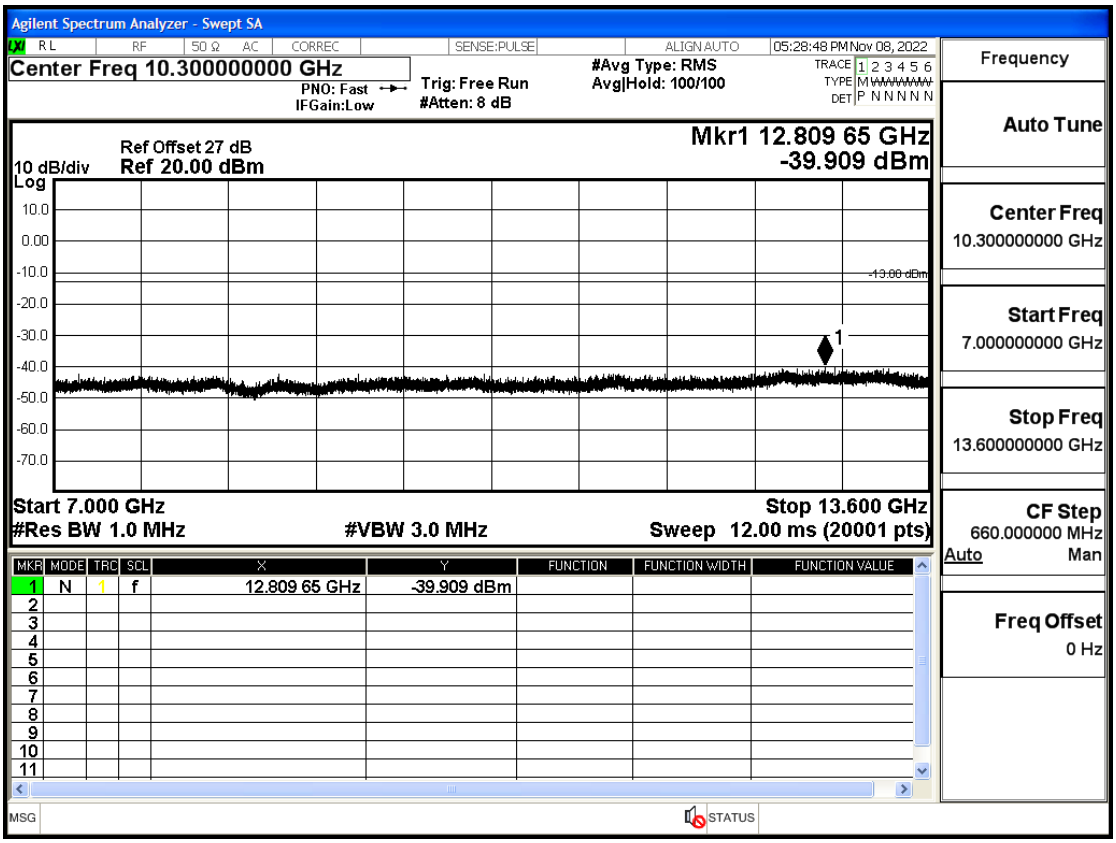
OB4-10-1750-Q16-50#LOW@30mHz-1GHz@Pass



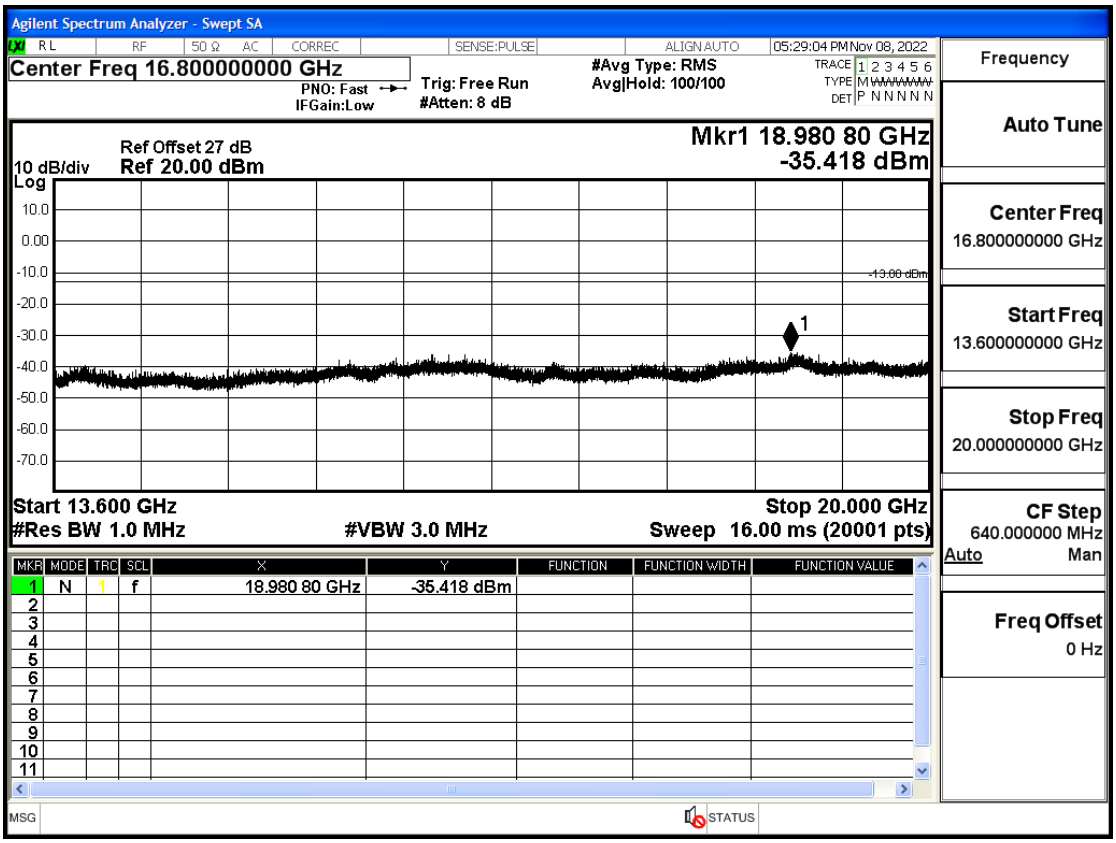
OB4-10-1750-Q16-50#LOW@1GHz-7GHz@Pass



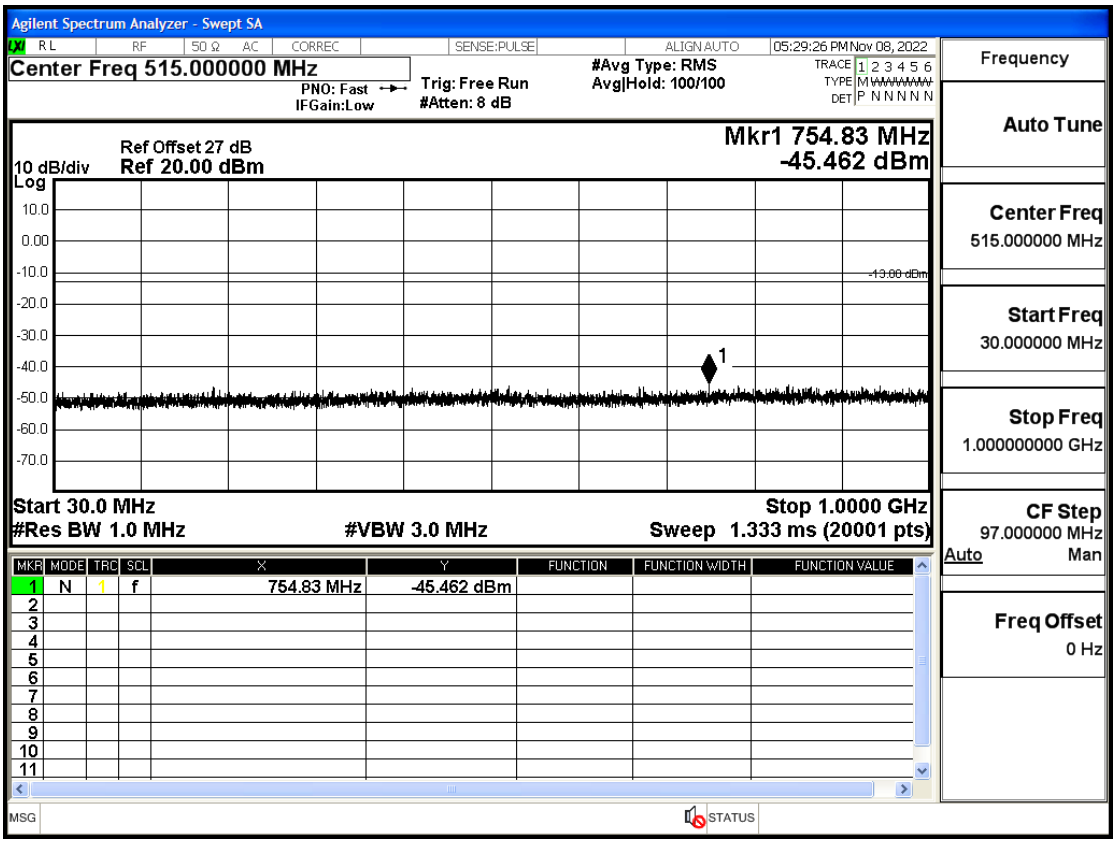
OB4-10-1750-Q16-50#LOW@7GHz-13.6GHz@Pass



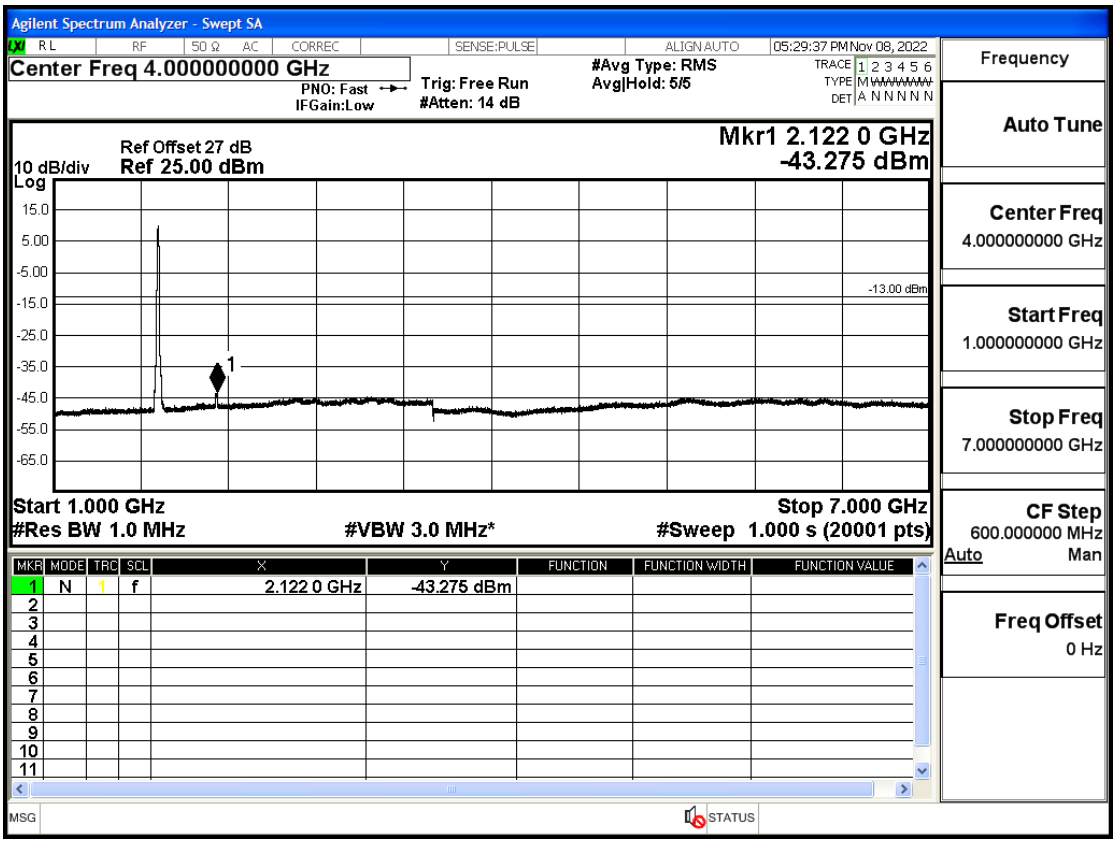
OB4-10-1750-Q16-50#LOW@13.6GHz-20GHz@Pass



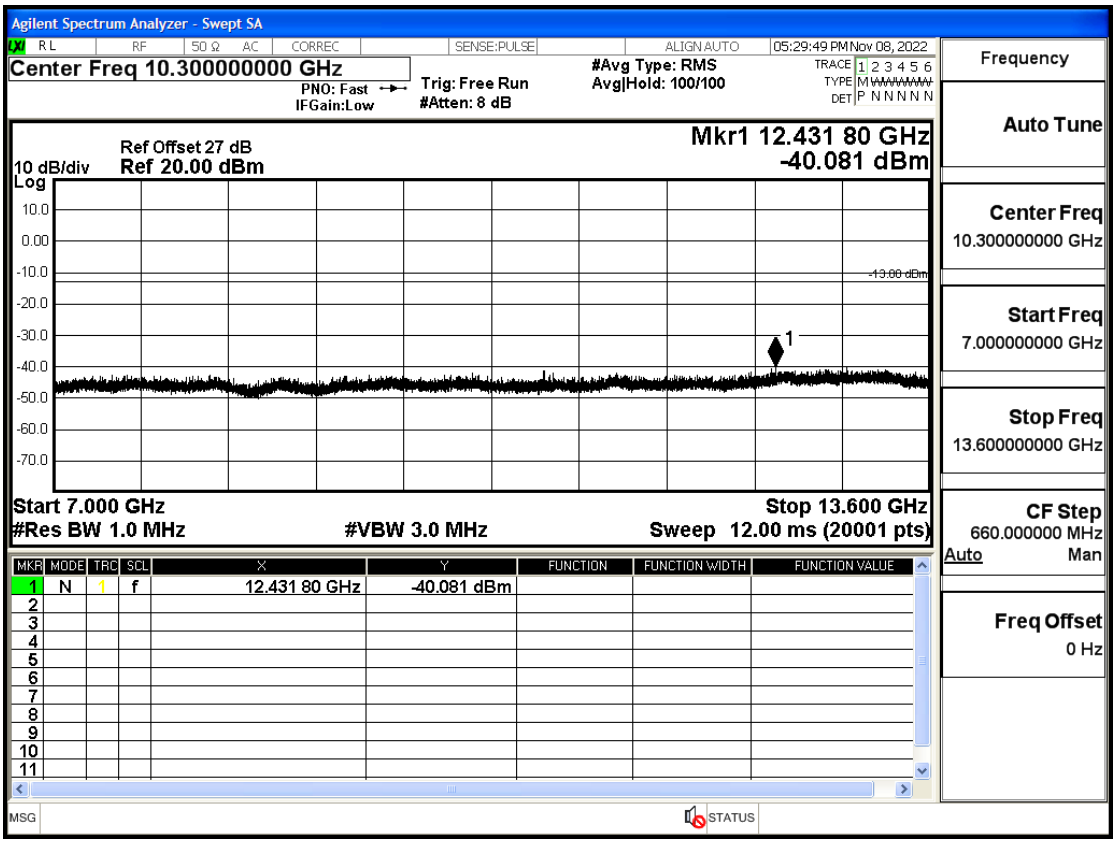
OB4-15-1717.5-Q16-75#LOW@30mHz-1GHz@Pass



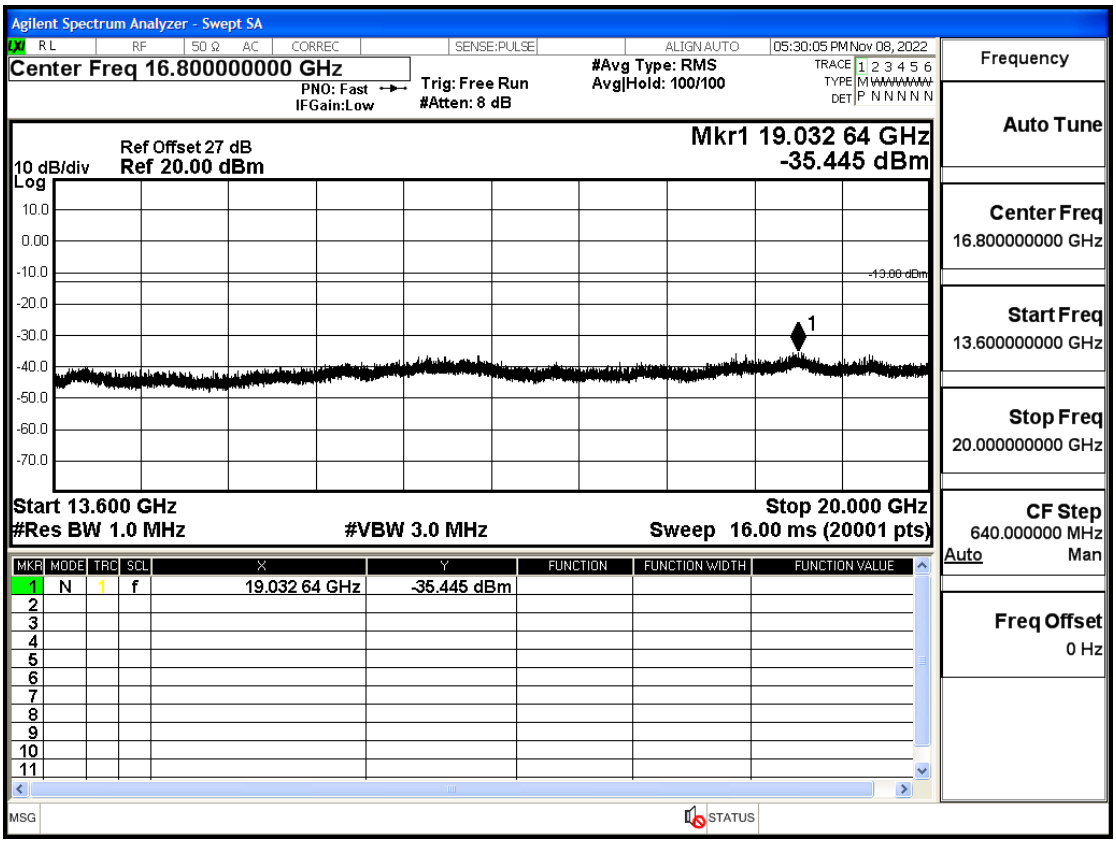
OB4-15-1717.5-Q16-75#LOW@1GHz-7GHz@Pass



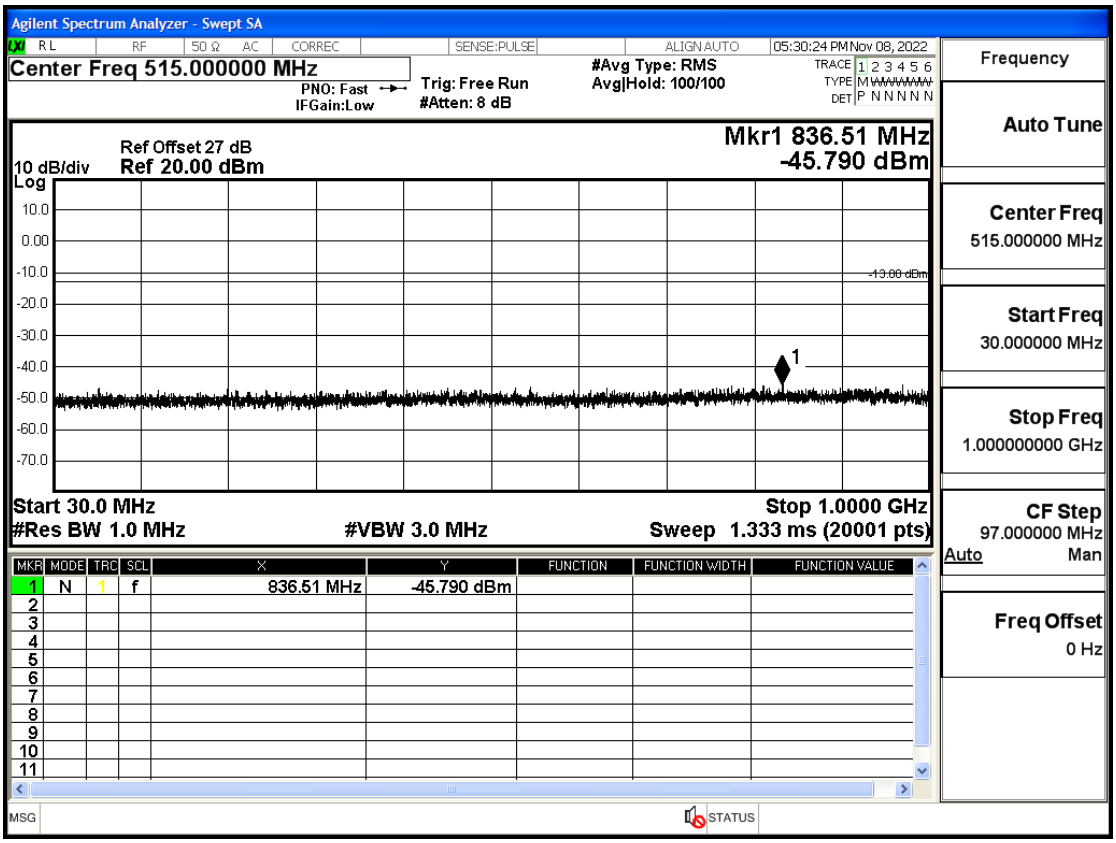
OB4-15-1717.5-Q16-75#LOW@7GHz-13.6GHz@Pass



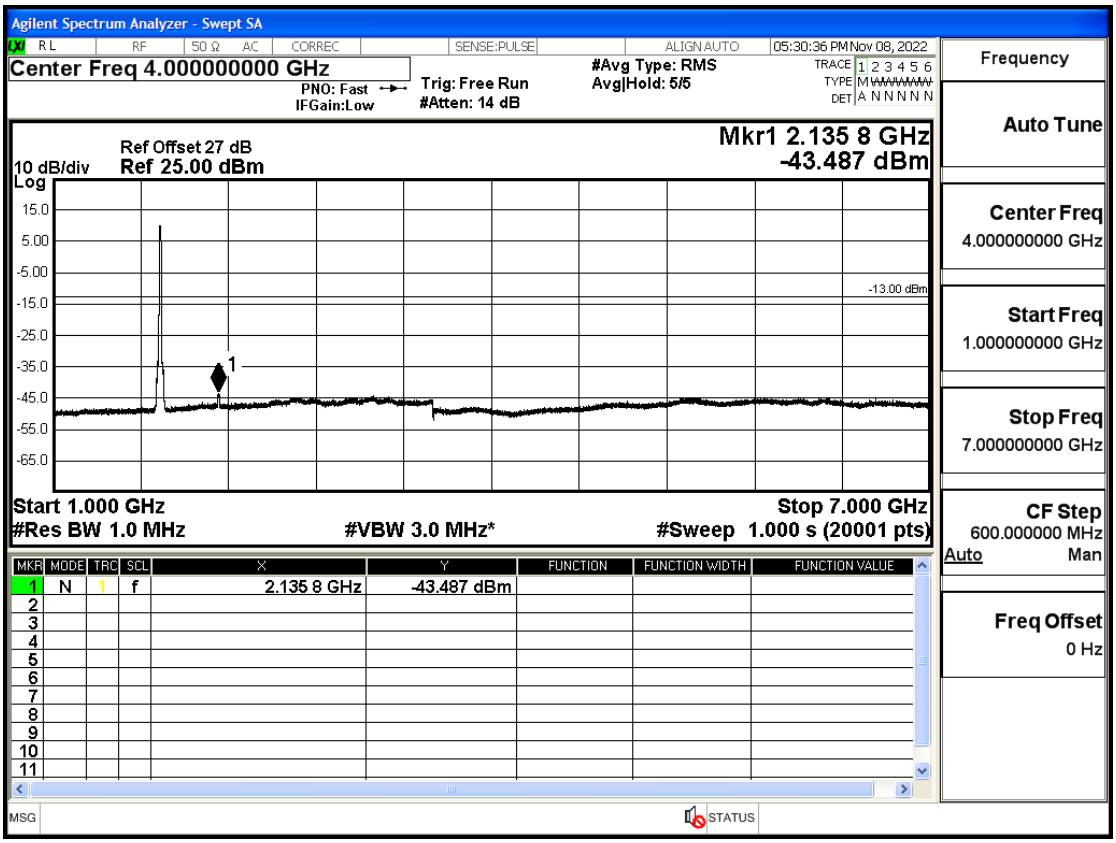
OB4-15-1717.5-Q16-75#LOW@13.6GHz-20GHz@Pass



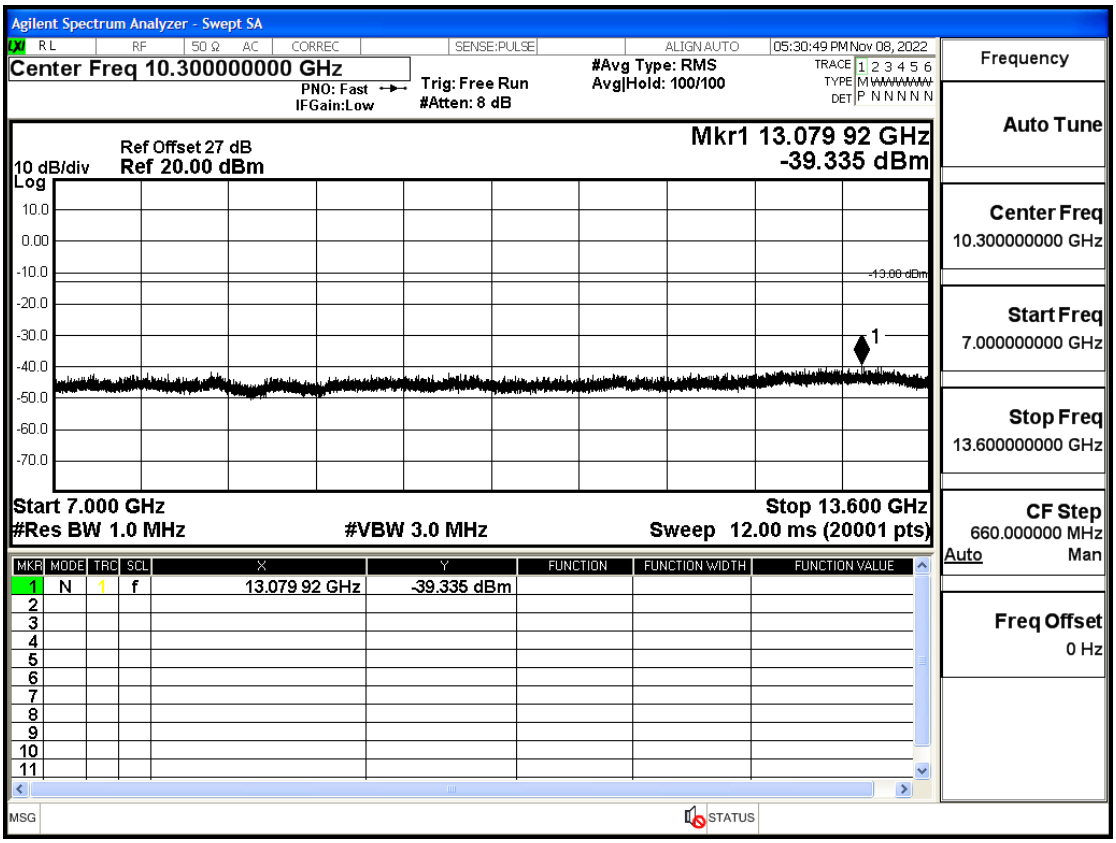
OB4-15-1732.5-Q16-75#LOW@30mHz-1GHz@Pass



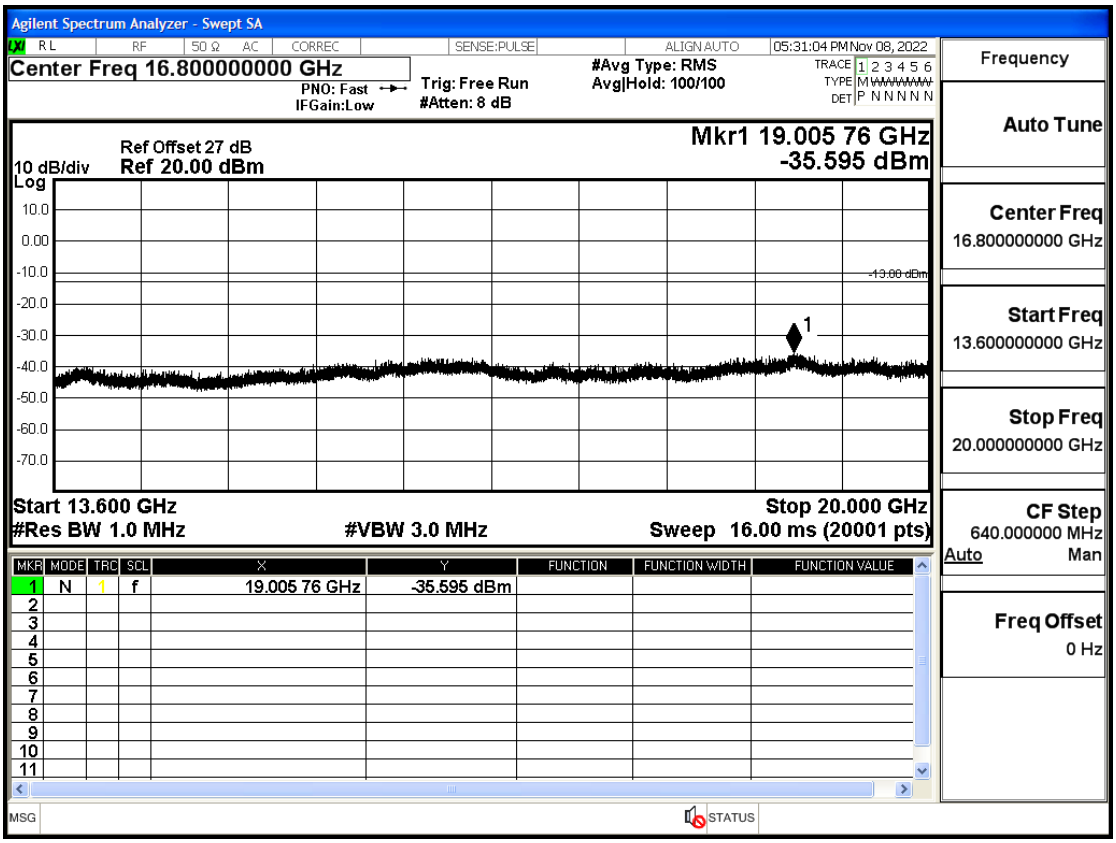
OB4-15-1732.5-Q16-75#LOW@1GHz-7GHz@Pass



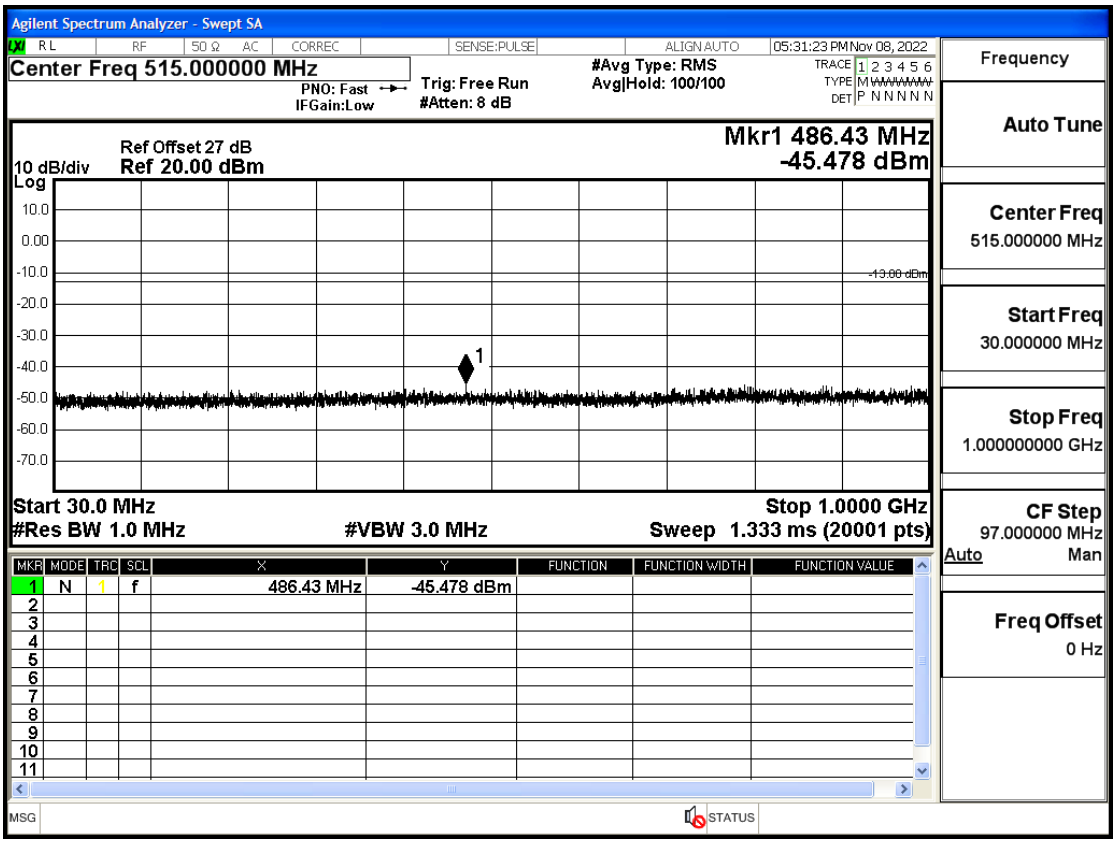
OB4-15-1732.5-Q16-75#LOW@7GHz-13.6GHz@Pass



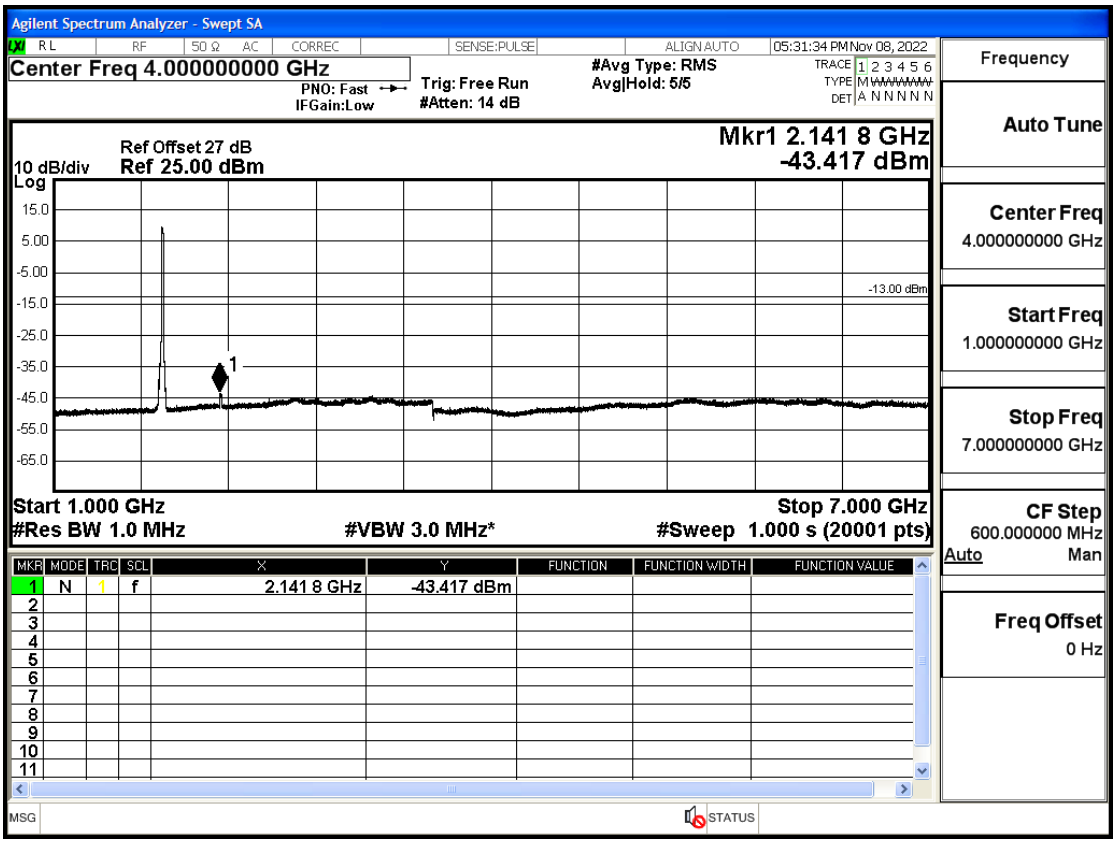
OB4-15-1732.5-Q16-75#LOW@13.6GHz-20GHz@Pass



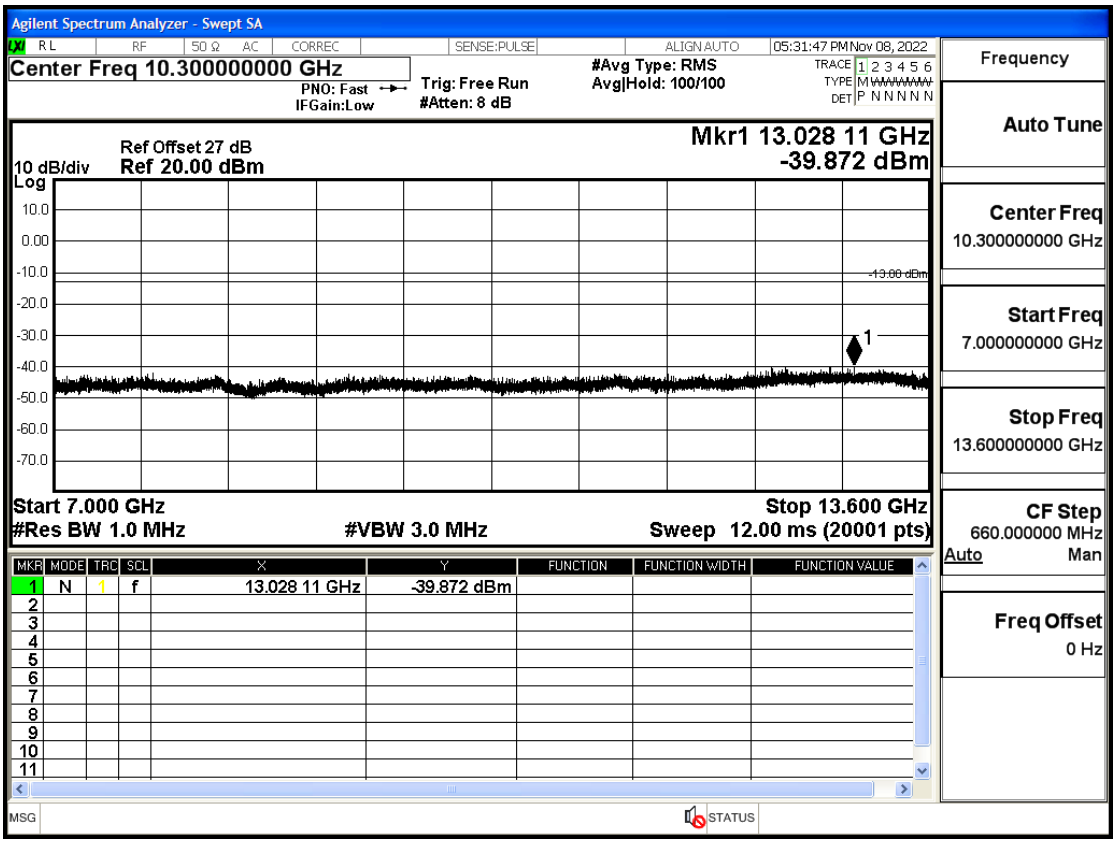
OB4-15-1747.5-Q16-75#LOW@30mHz-1GHz@Pass



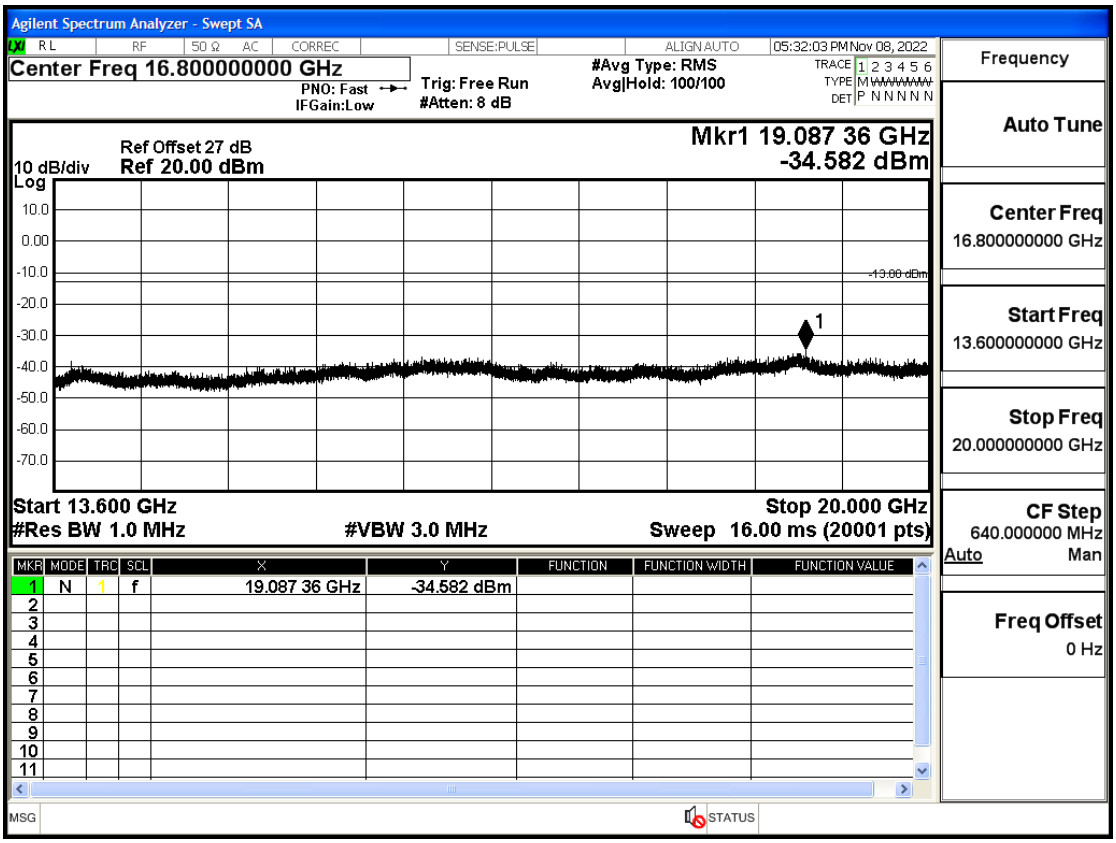
OB4-15-1747.5-Q16-75#LOW@1GHz-7GHz@Pass



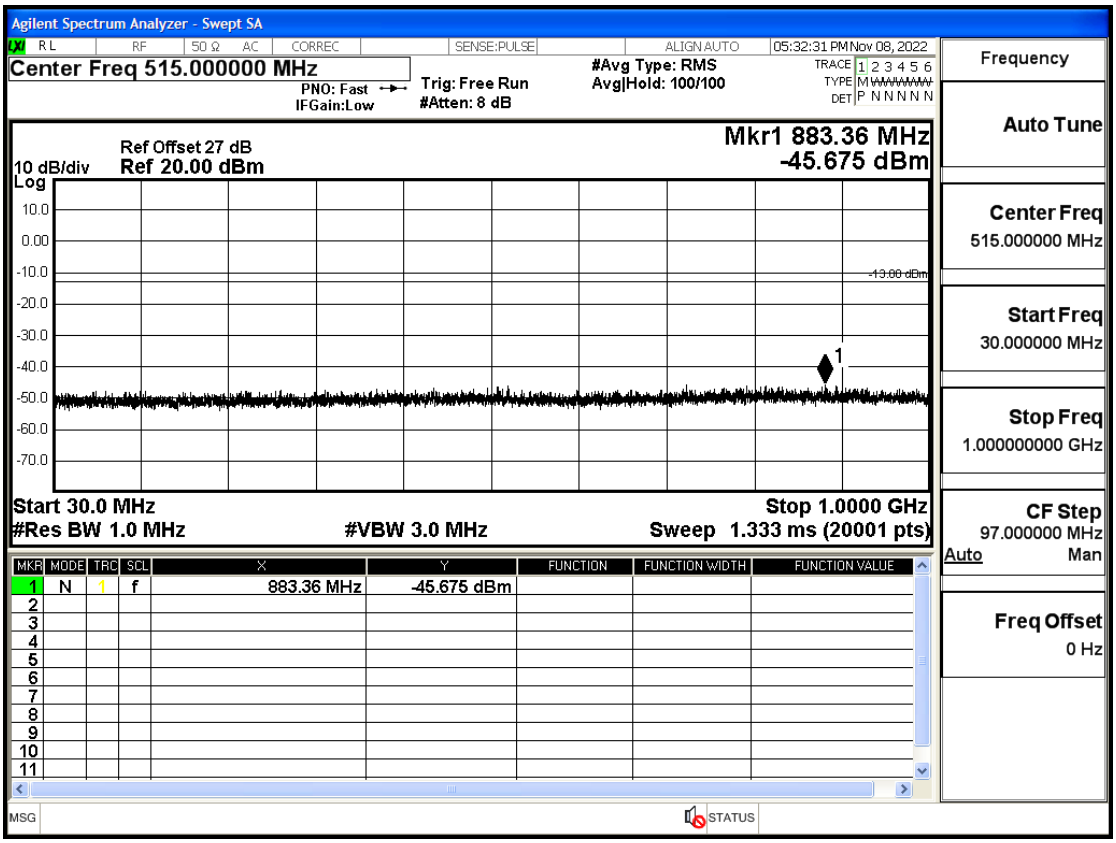
OB4-15-1747.5-Q16-75#LOW@7GHz-13.6GHz@Pass



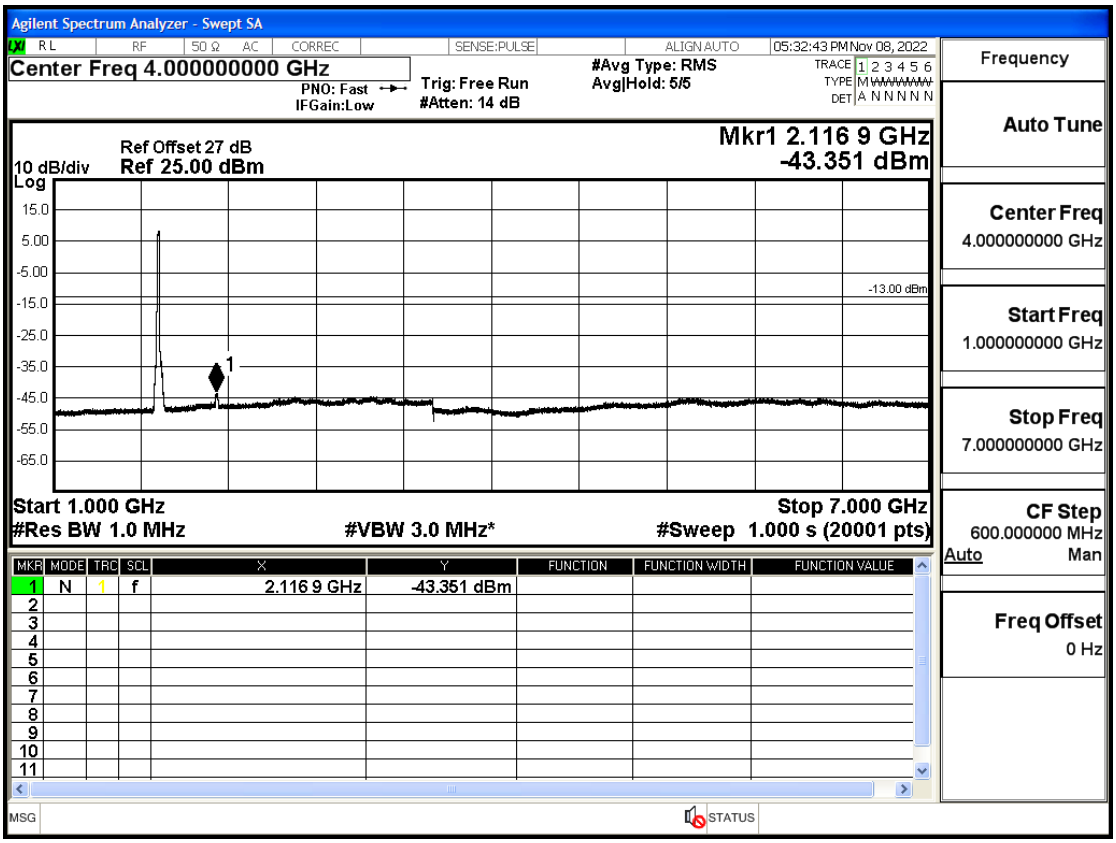
OB4-15-1747.5-Q16-75#LOW@13.6GHz-20GHz@Pass



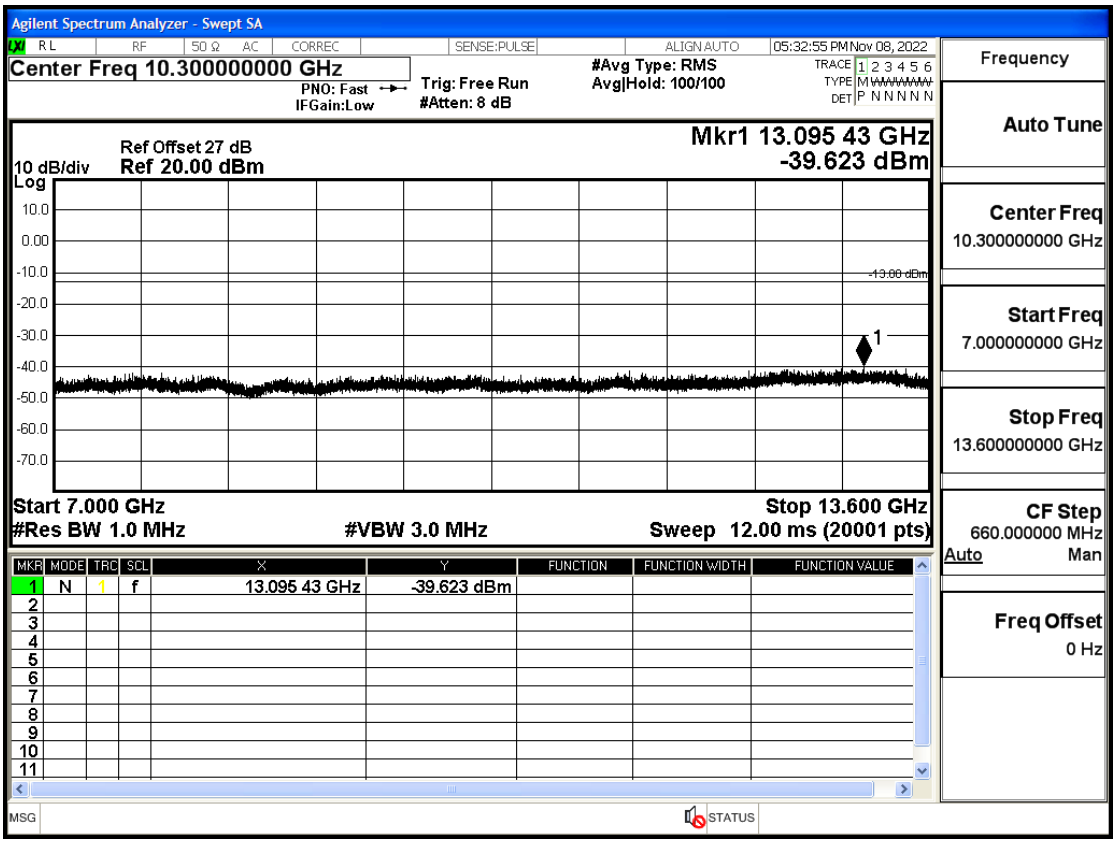
OB4-20-1720-Q16-100#LOW@30mHz-1GHz@Pass



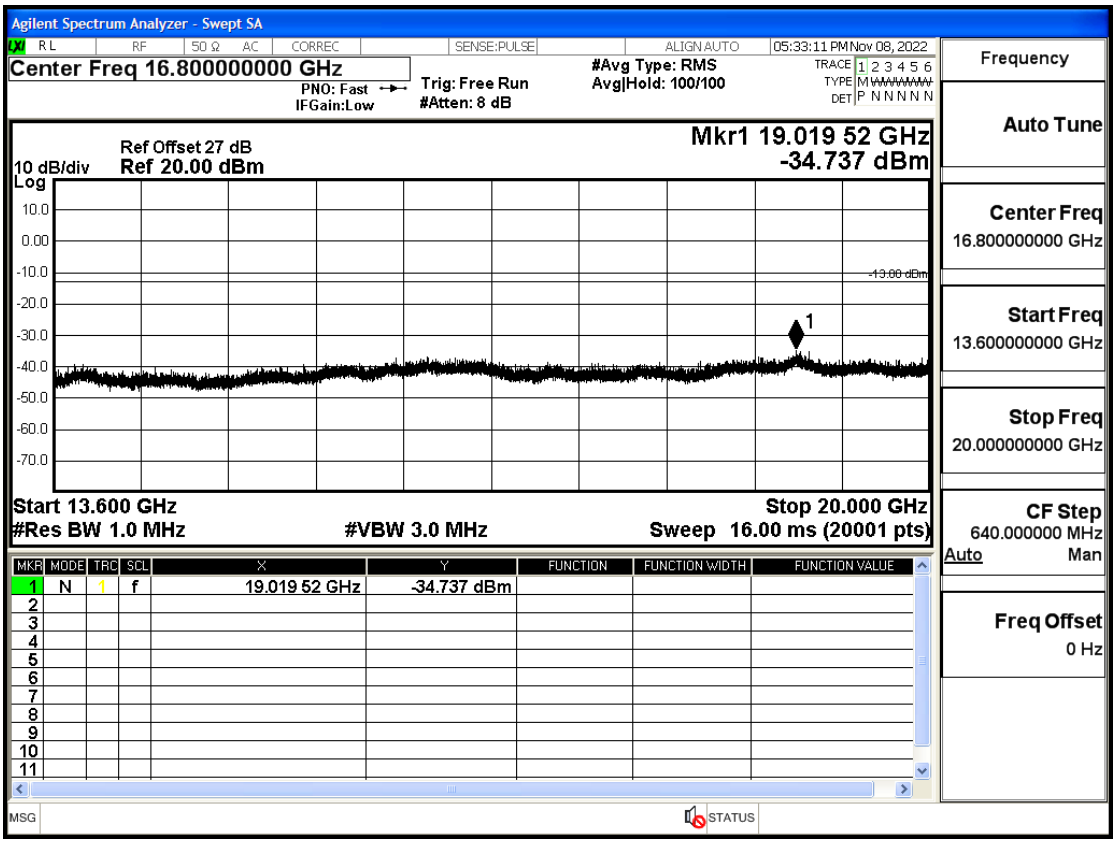
OB4-20-1720-Q16-100#LOW@1GHz-7GHz@Pass



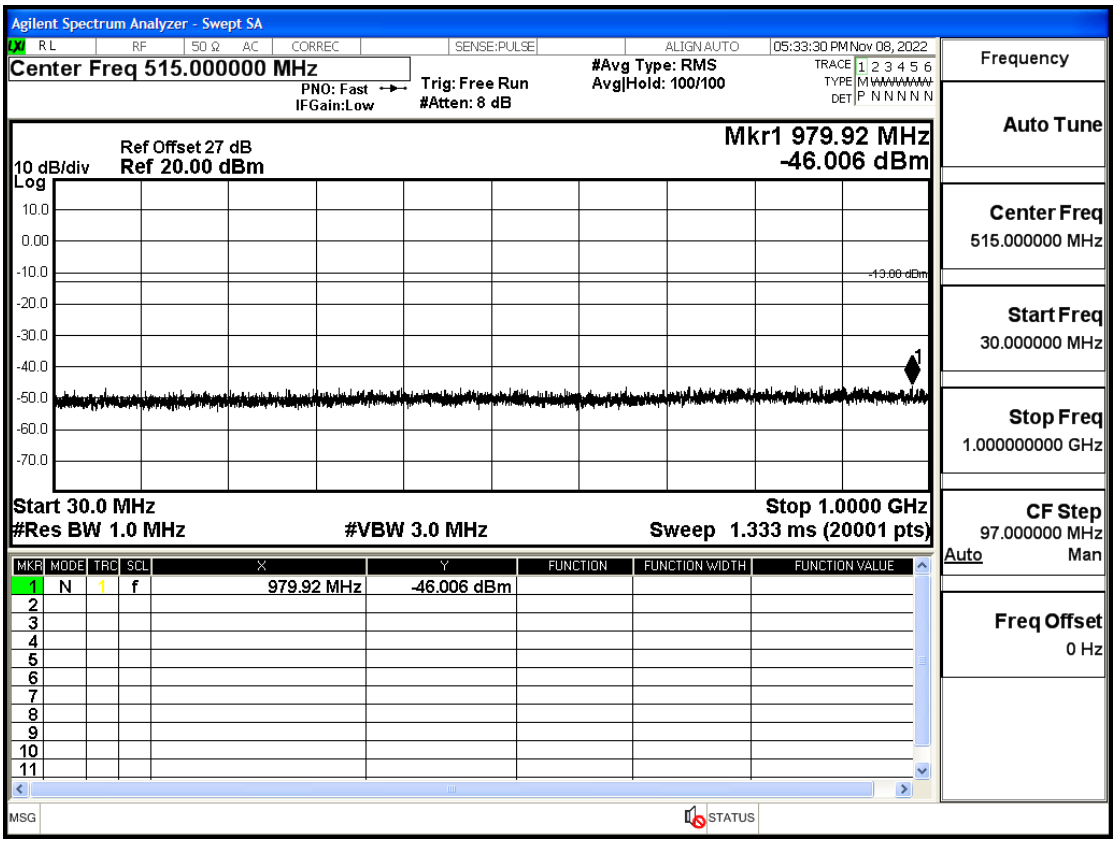
OB4-20-1720-Q16-100#LOW@7GHz-13.6GHz@Pass



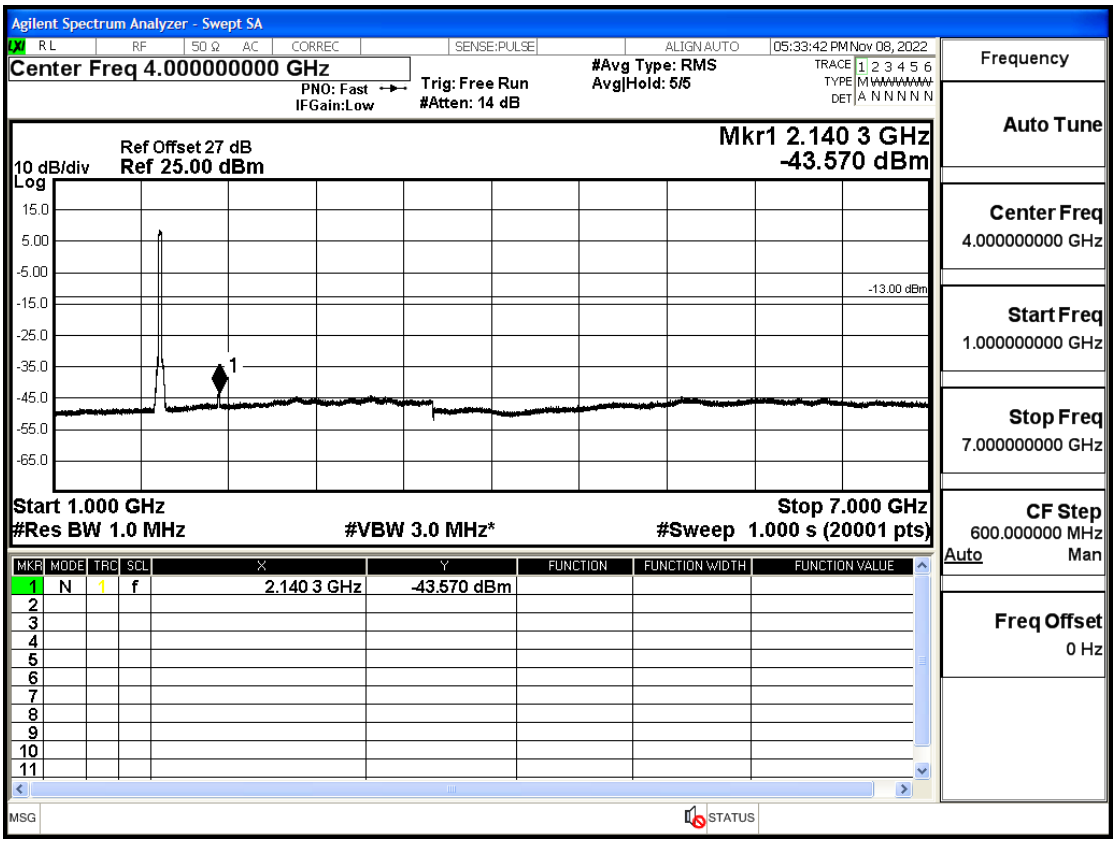
OB4-20-1720-Q16-100#LOW@13.6GHz-20GHz@Pass



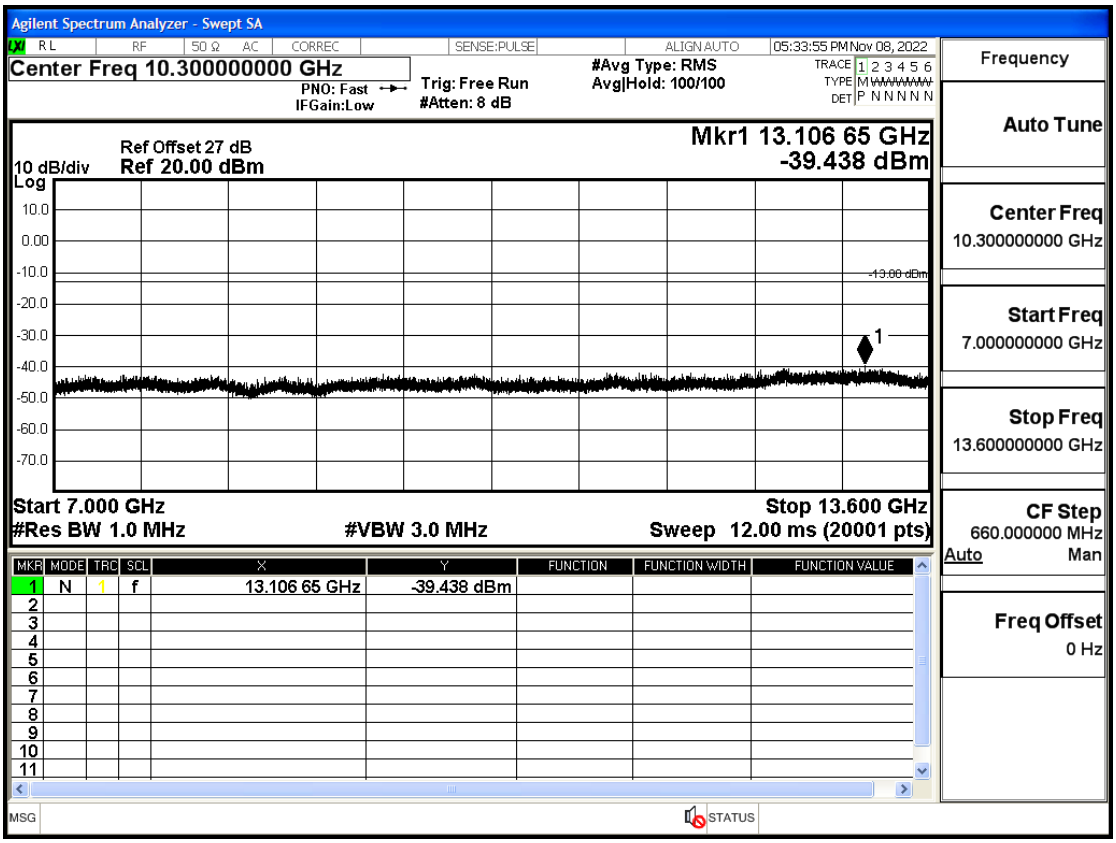
OB4-20-1732.5-Q16-100#LOW@30mHz-1GHz@Pass



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



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



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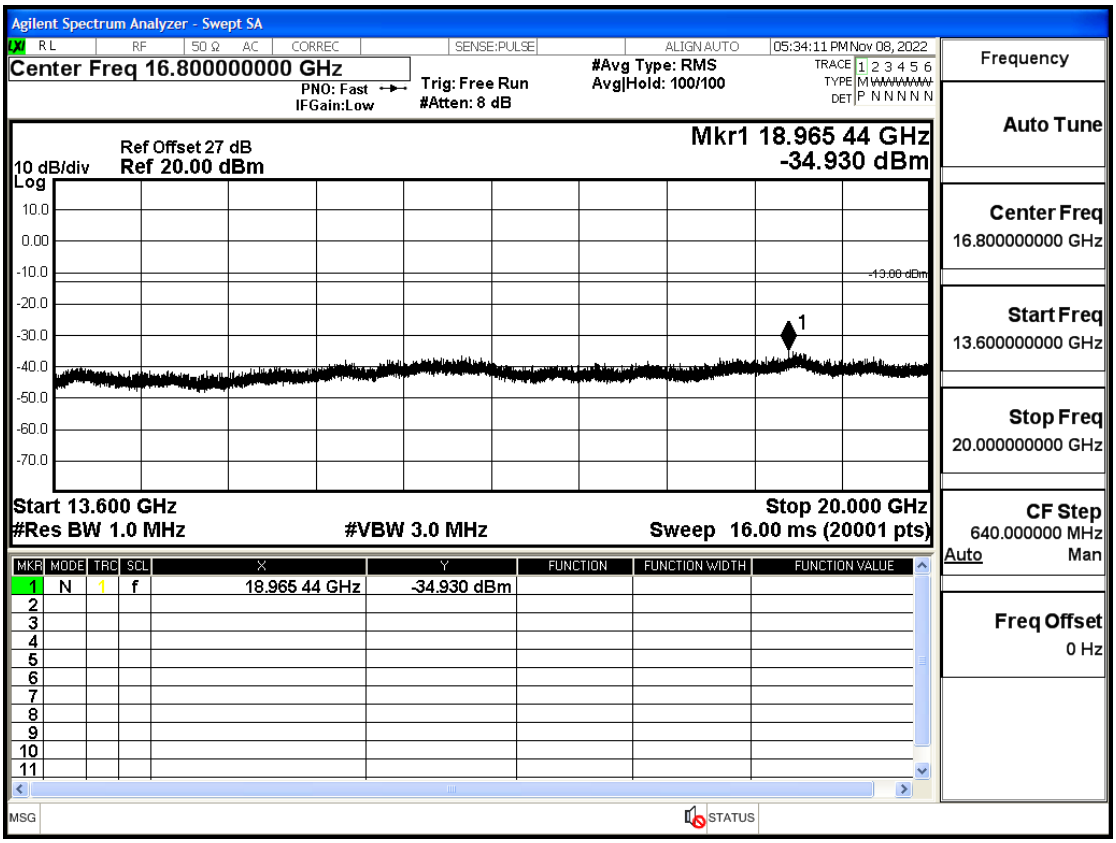

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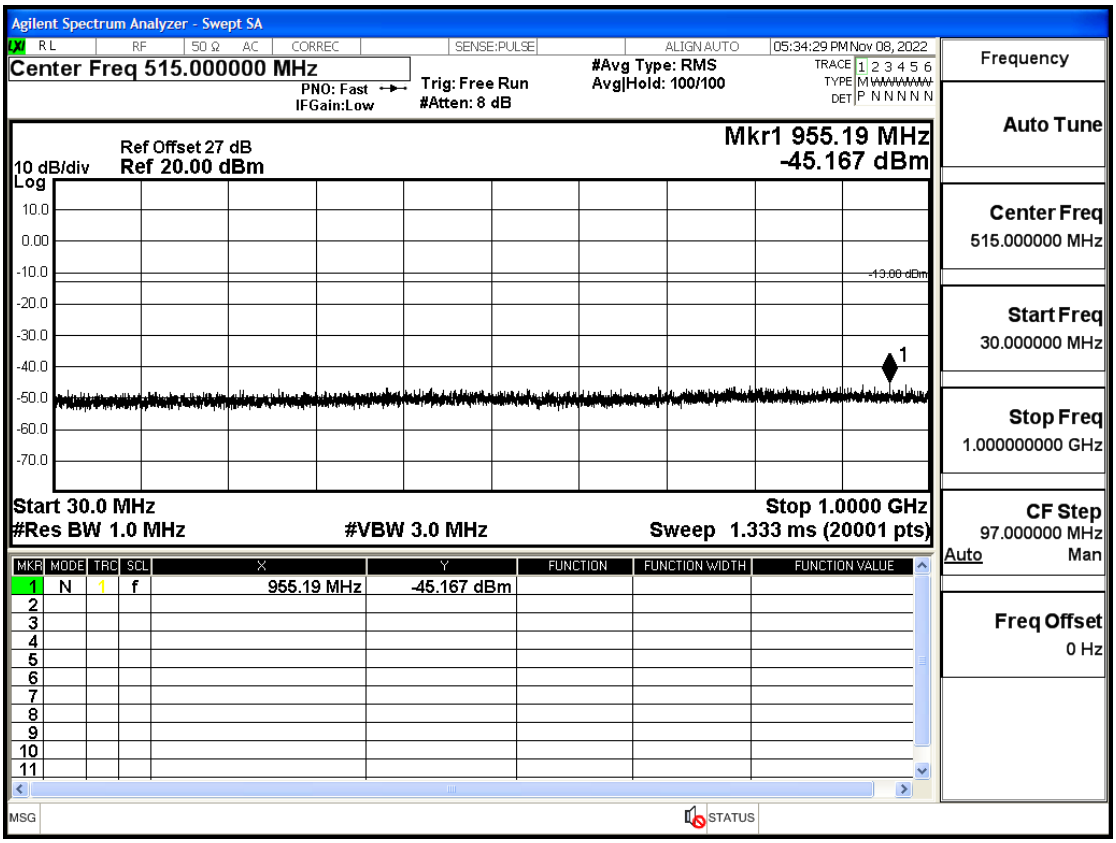
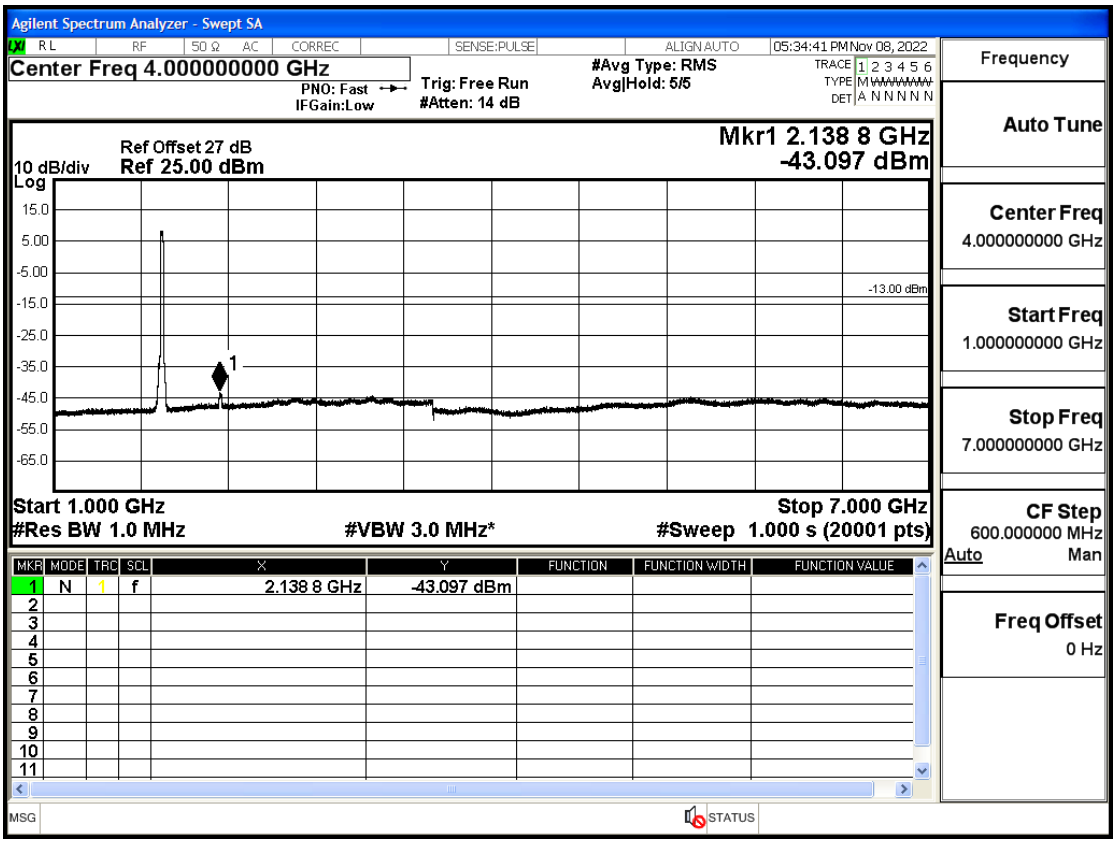
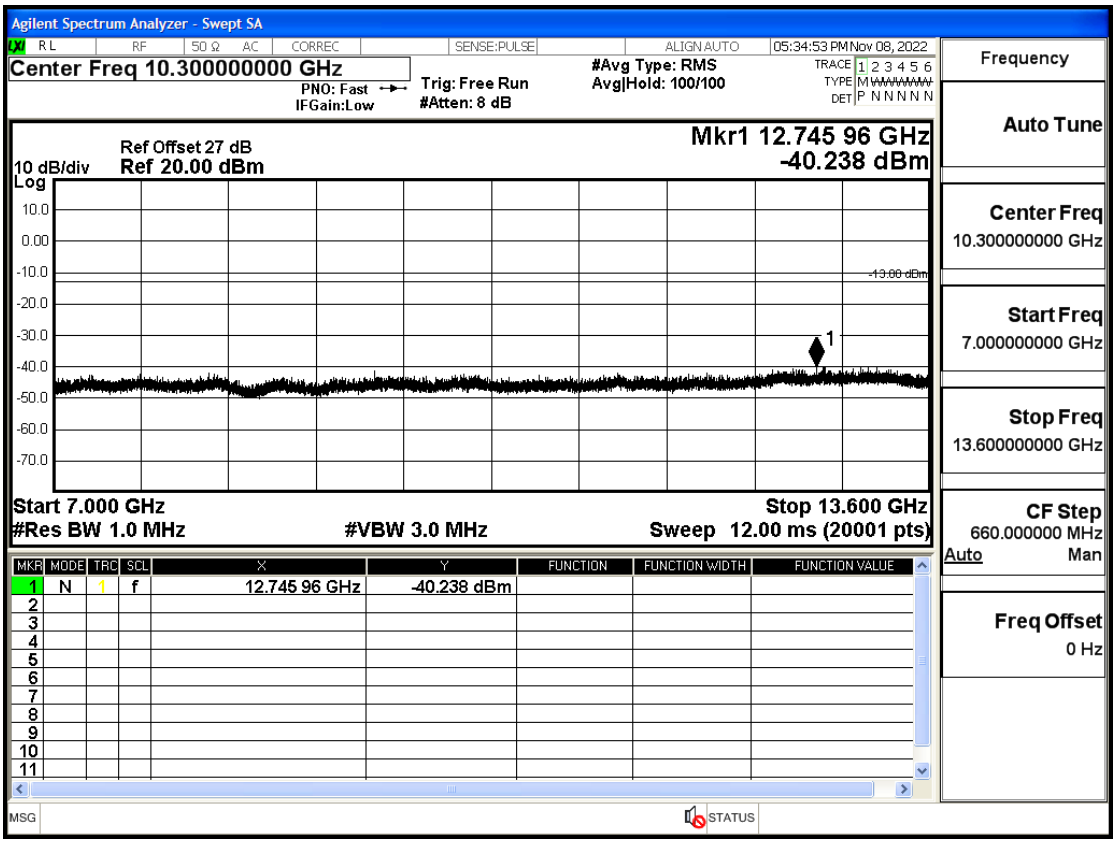


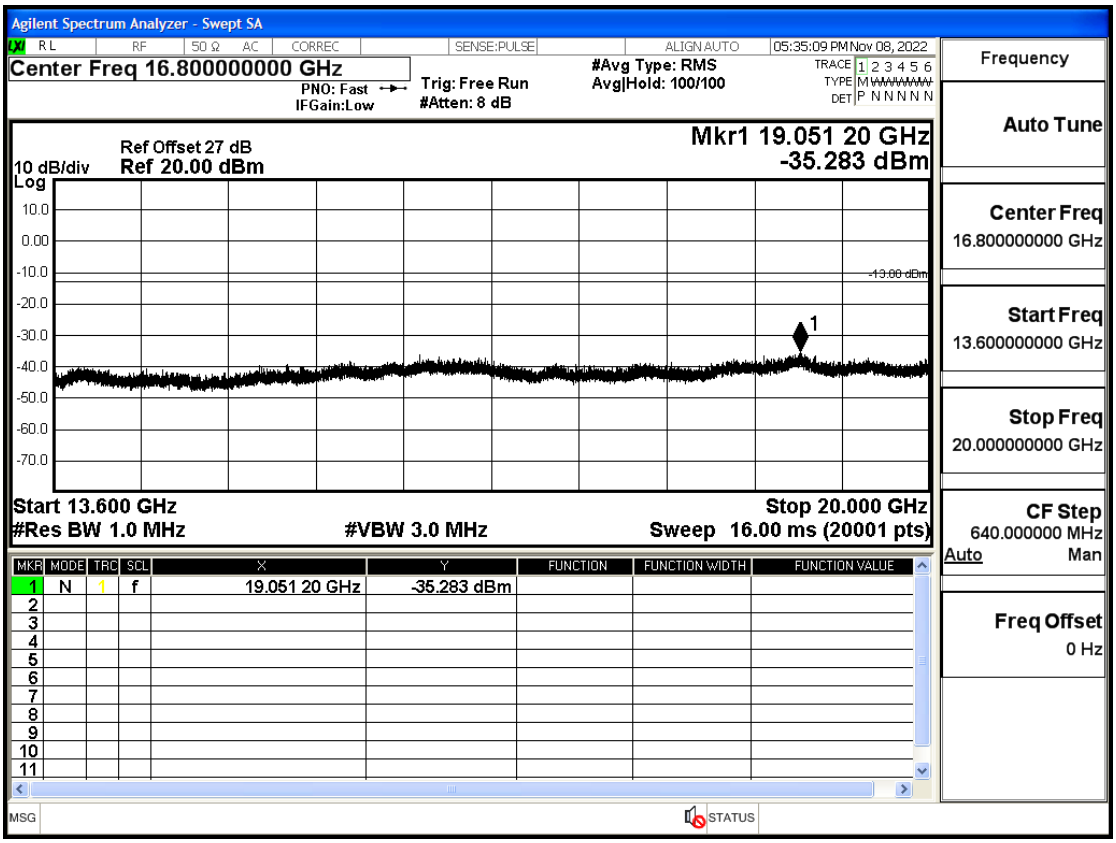
OB4-20-1745-Q16-100#LOW@1GHz-7GHz@Pass



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



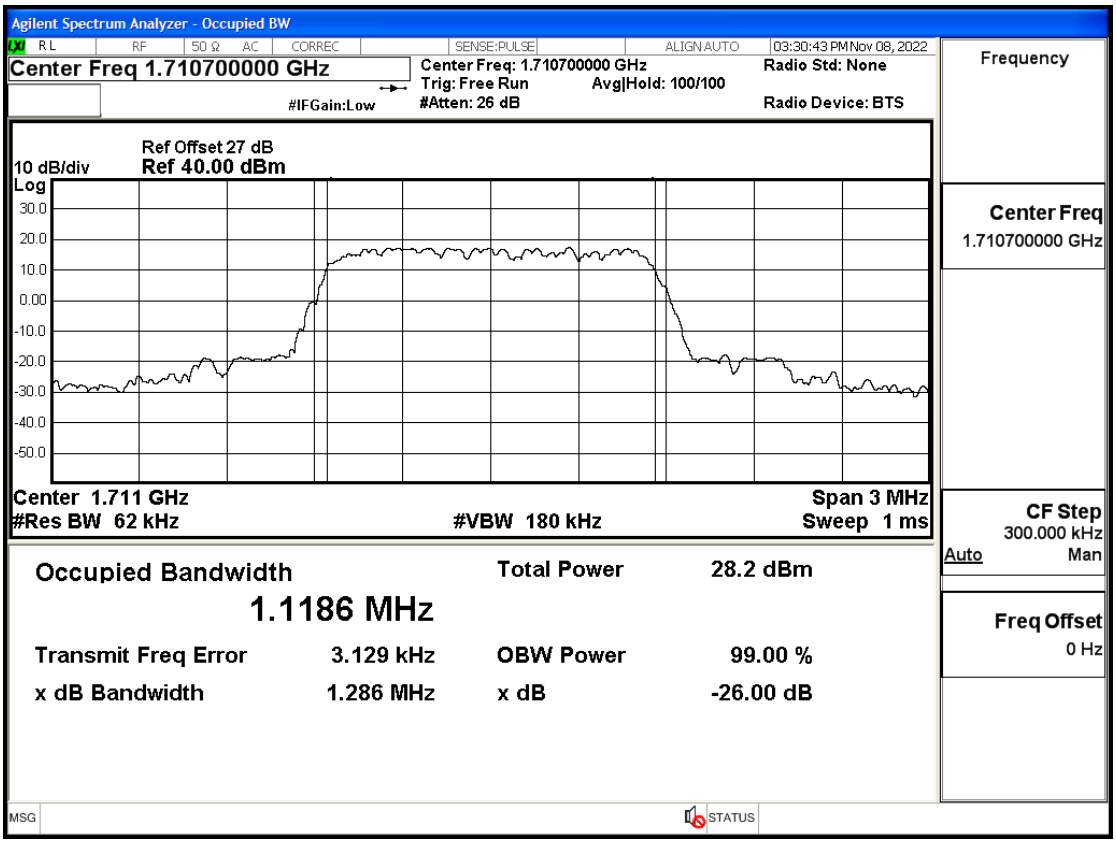
OB4-20-1745-Q16-100#LOW@13.6GHz-20GHz@Pass



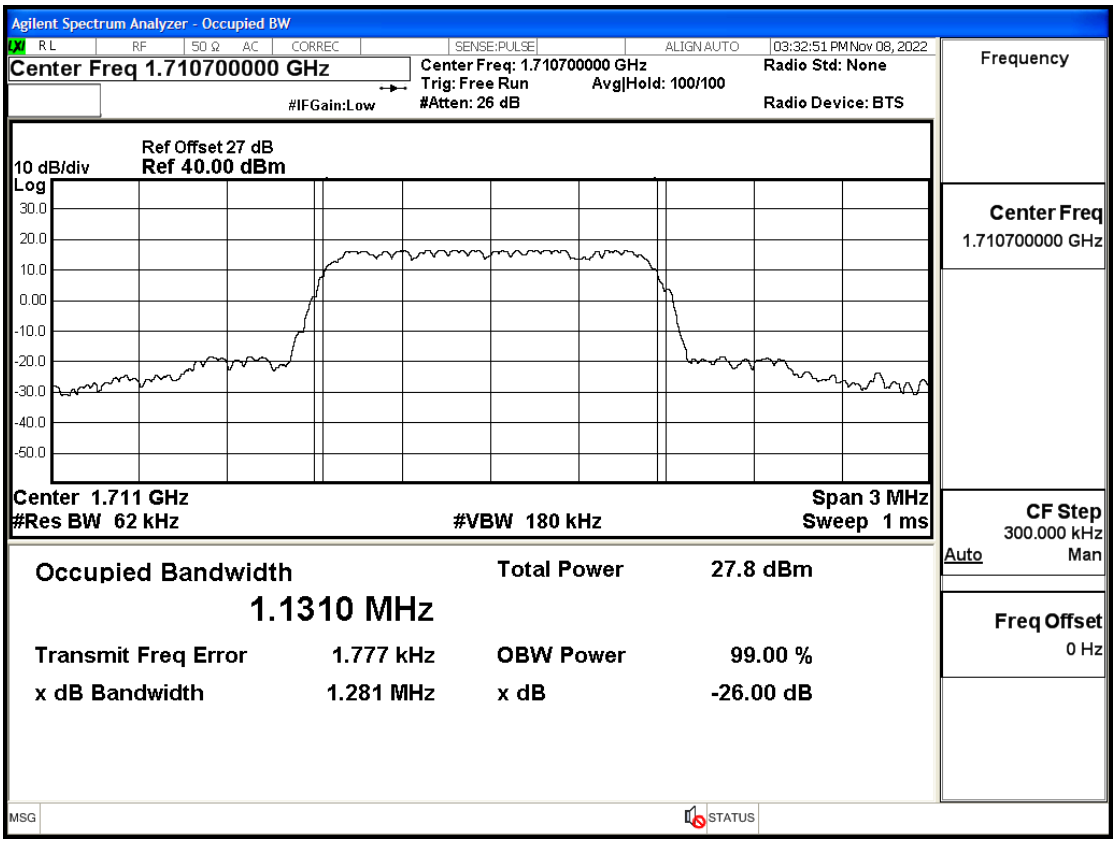
Emission bandwidth and OBW

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	1118.6	1286	No limit
Band4	1.4	1710.7	16QAM	6	LOW	1131	1281	No limit
Band4	1.4	1732.5	QPSK	6	LOW	1108.6	1299	No limit
Band4	1.4	1732.5	16QAM	6	LOW	1110.9	1294	No limit
Band4	1.4	1754.3	QPSK	6	LOW	1122.4	1286	No limit
Band4	1.4	1754.3	16QAM	6	LOW	1108.1	1299	No limit
Band4	3	1711.5	QPSK	15	LOW	2757.6	3081	No limit
Band4	3	1711.5	16QAM	15	LOW	2760.9	3121	No limit
Band4	3	1732.5	QPSK	15	LOW	2752	3076	No limit
Band4	3	1732.5	16QAM	15	LOW	2772.2	3108	No limit
Band4	3	1753.5	QPSK	15	LOW	2759.8	3091	No limit
Band4	3	1753.5	16QAM	15	LOW	2751.9	3141	No limit
Band4	5	1712.5	QPSK	25	LOW	4566.7	5068	No limit
Band4	5	1712.5	16QAM	25	LOW	4558.3	5044	No limit
Band4	5	1732.5	QPSK	25	LOW	4564.6	5085	No limit
Band4	5	1732.5	16QAM	25	LOW	4576.6	5071	No limit
Band4	5	1752.5	QPSK	25	LOW	4575	5053	No limit
Band4	5	1752.5	16QAM	25	LOW	4560.1	5111	No limit
Band4	10	1715	QPSK	50	LOW	9129.4	10080	No limit
Band4	10	1715	16QAM	50	LOW	9100.6	10150	No limit
Band4	10	1732.5	QPSK	50	LOW	9084.3	10010	No limit
Band4	10	1732.5	16QAM	50	LOW	9091.1	10010	No limit
Band4	10	1750	QPSK	50	LOW	9123.4	10040	No limit
Band4	10	1750	16QAM	50	LOW	9068.8	10100	No limit
Band4	15	1717.5	QPSK	75	LOW	13676	15330	No limit
Band4	15	1717.5	16QAM	75	LOW	13687	15430	No limit
Band4	15	1732.5	QPSK	75	LOW	13632	15070	No limit
Band4	15	1732.5	16QAM	75	LOW	13652	15280	No limit
Band4	15	1747.5	QPSK	75	LOW	13672	15250	No limit
Band4	15	1747.5	16QAM	75	LOW	13717	15200	No limit
Band4	20	1720	QPSK	100	LOW	18215	19900	No limit
Band4	20	1720	16QAM	100	LOW	18161	20200	No limit
Band4	20	1732.5	QPSK	100	LOW	18204	20100	No limit
Band4	20	1732.5	16QAM	100	LOW	18207	20320	No limit
Band4	20	1745	QPSK	100	LOW	18254	20240	No limit
Band4	20	1745	16QAM	100	LOW	18293	20250	No limit

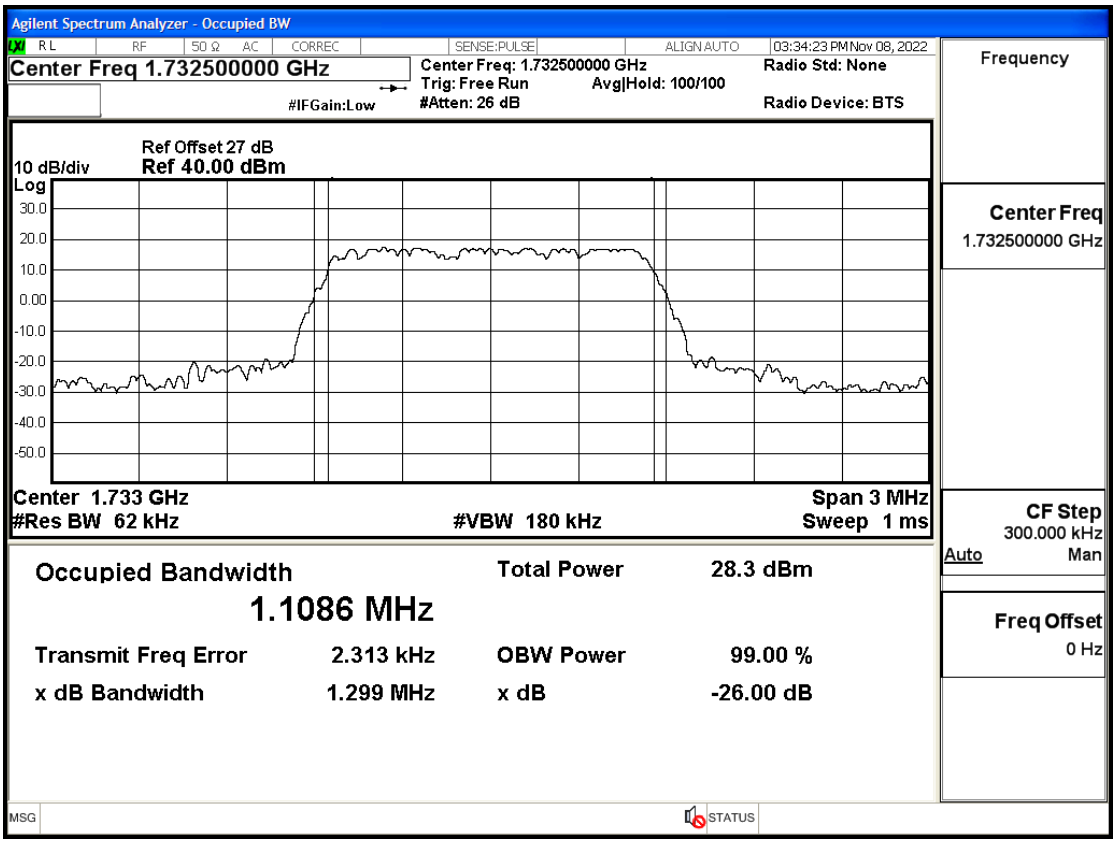
Band4-1.4-1710.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



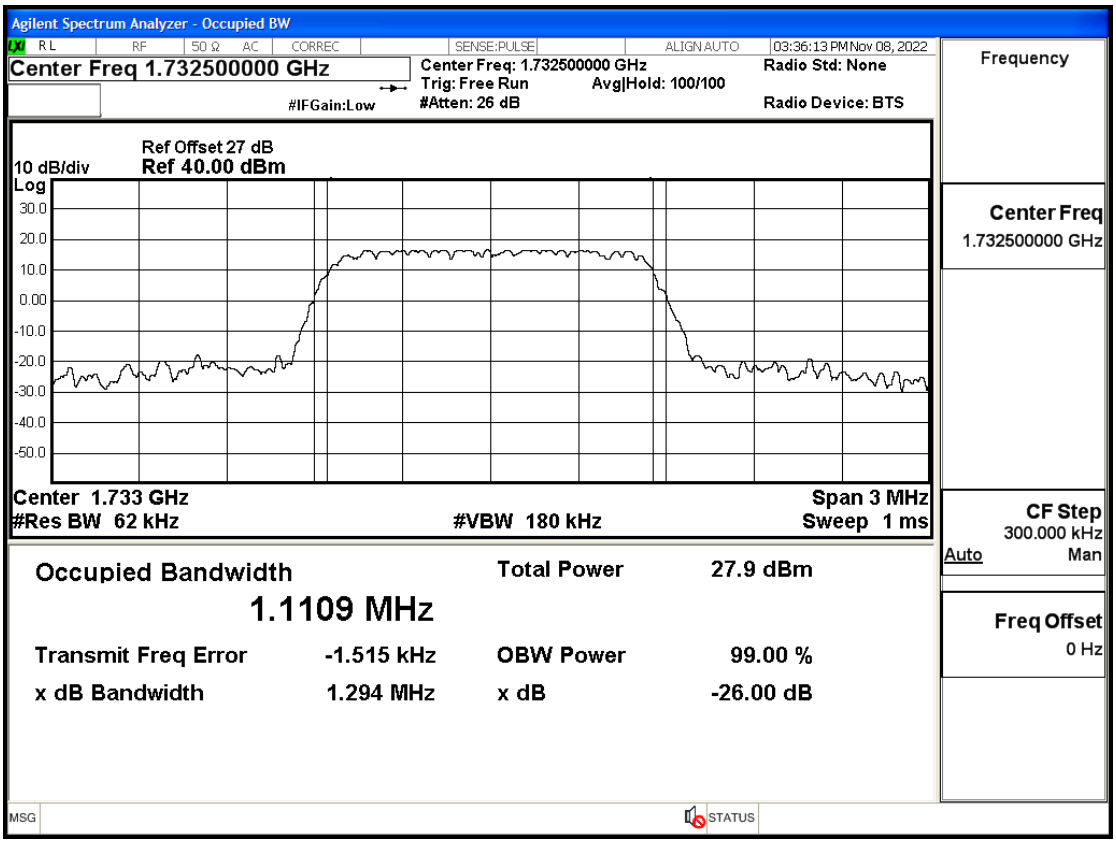
Band4-1.4-1710.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



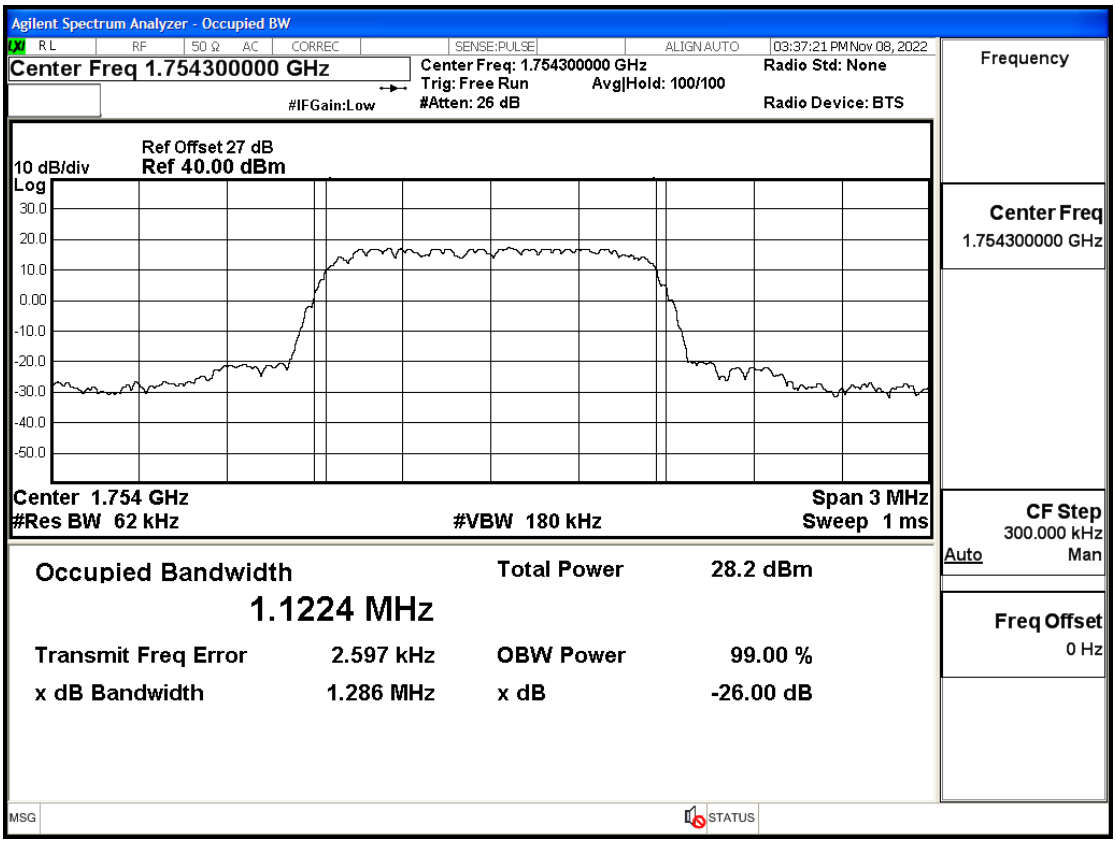
Band4-1.4-1732.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



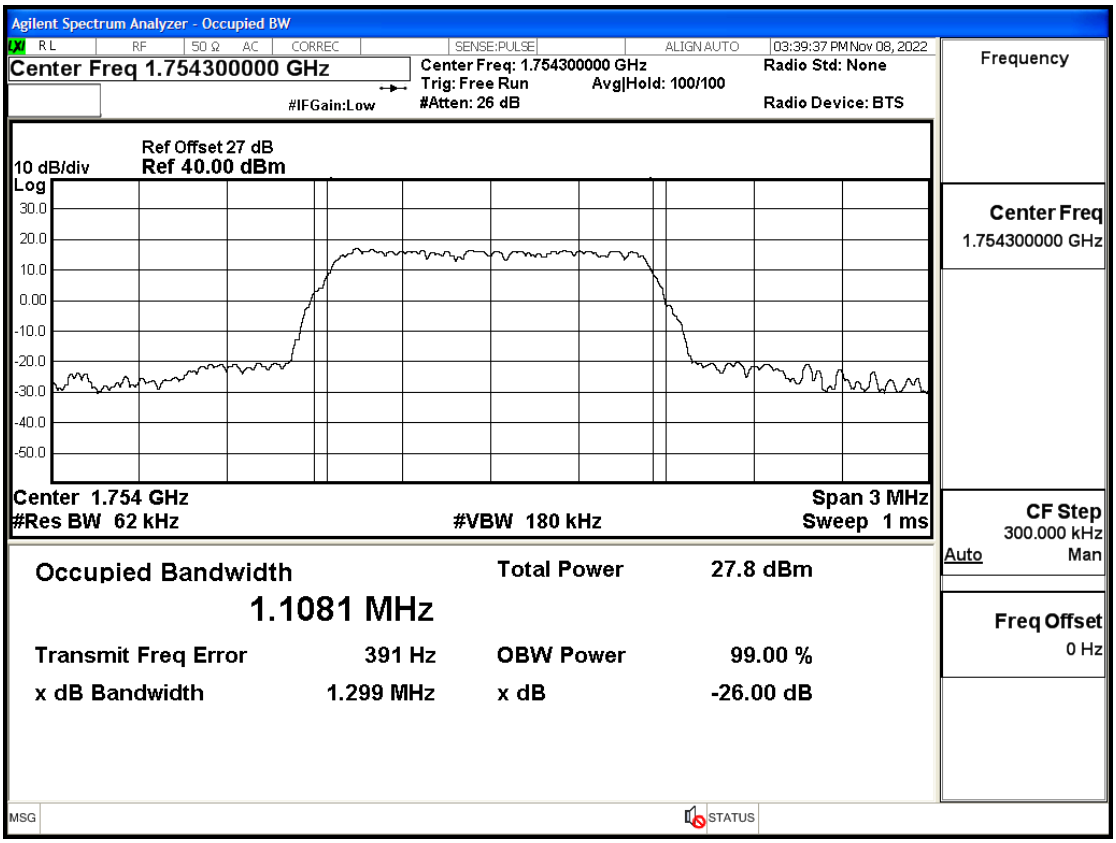
Band4-1.4-1732.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



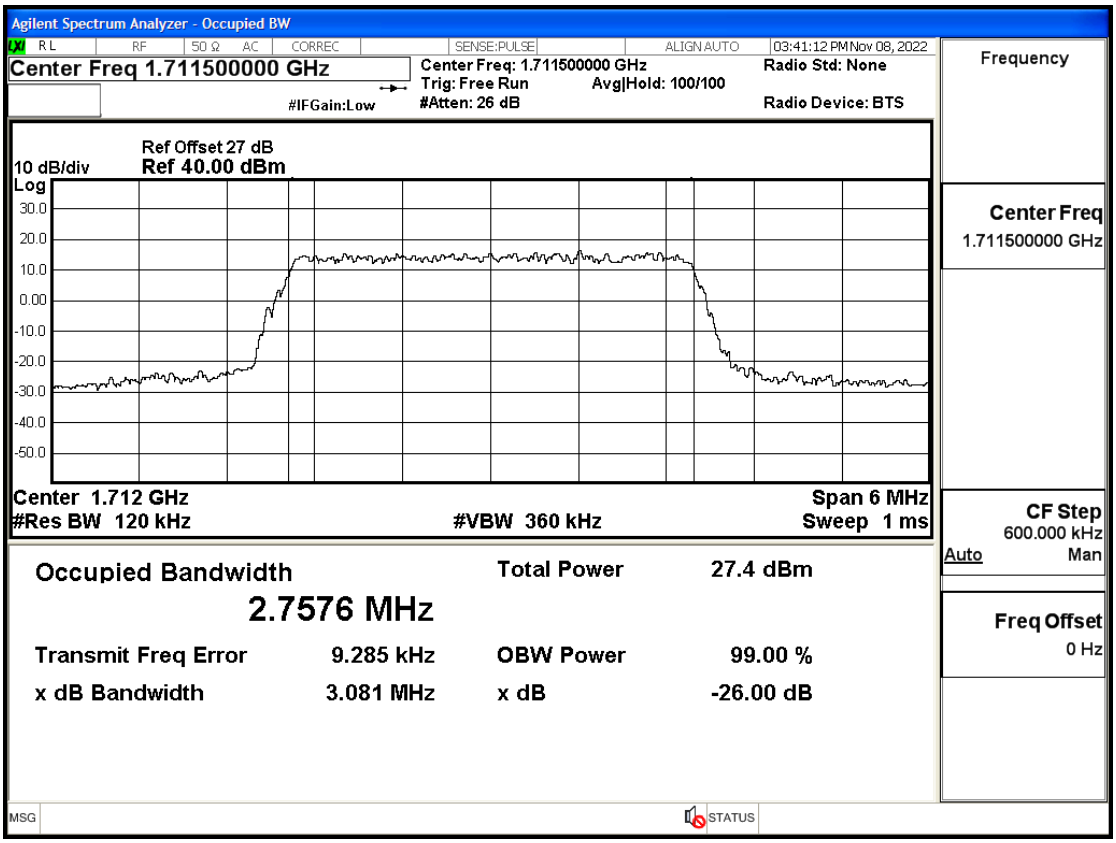
Band4-1.4-1754.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



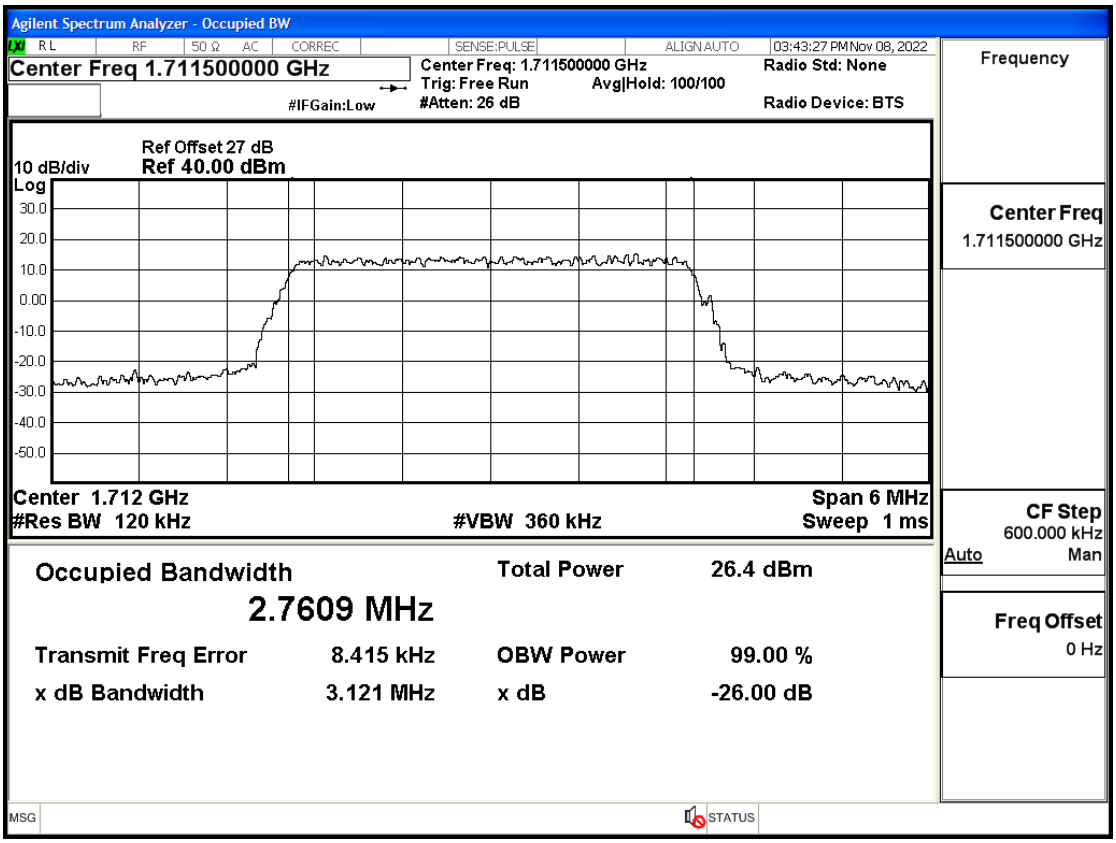
Band4-1.4-1754.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



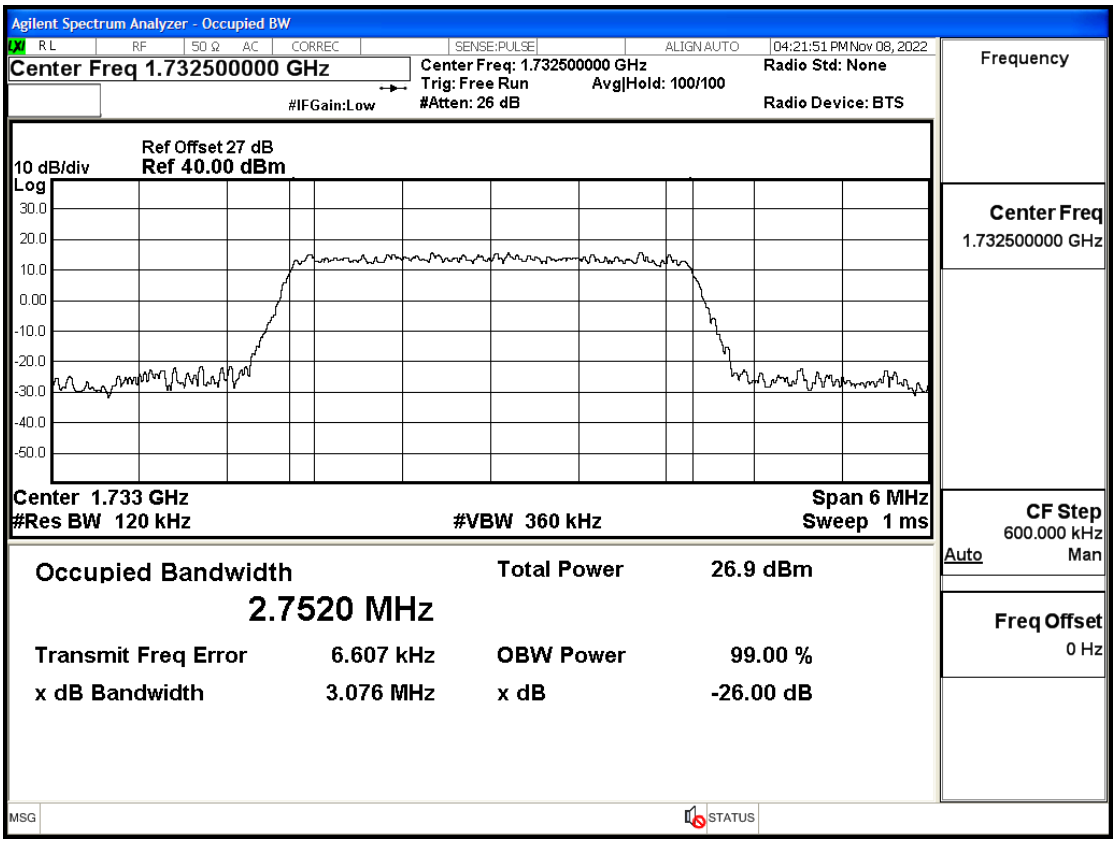
Band4-3-1711.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



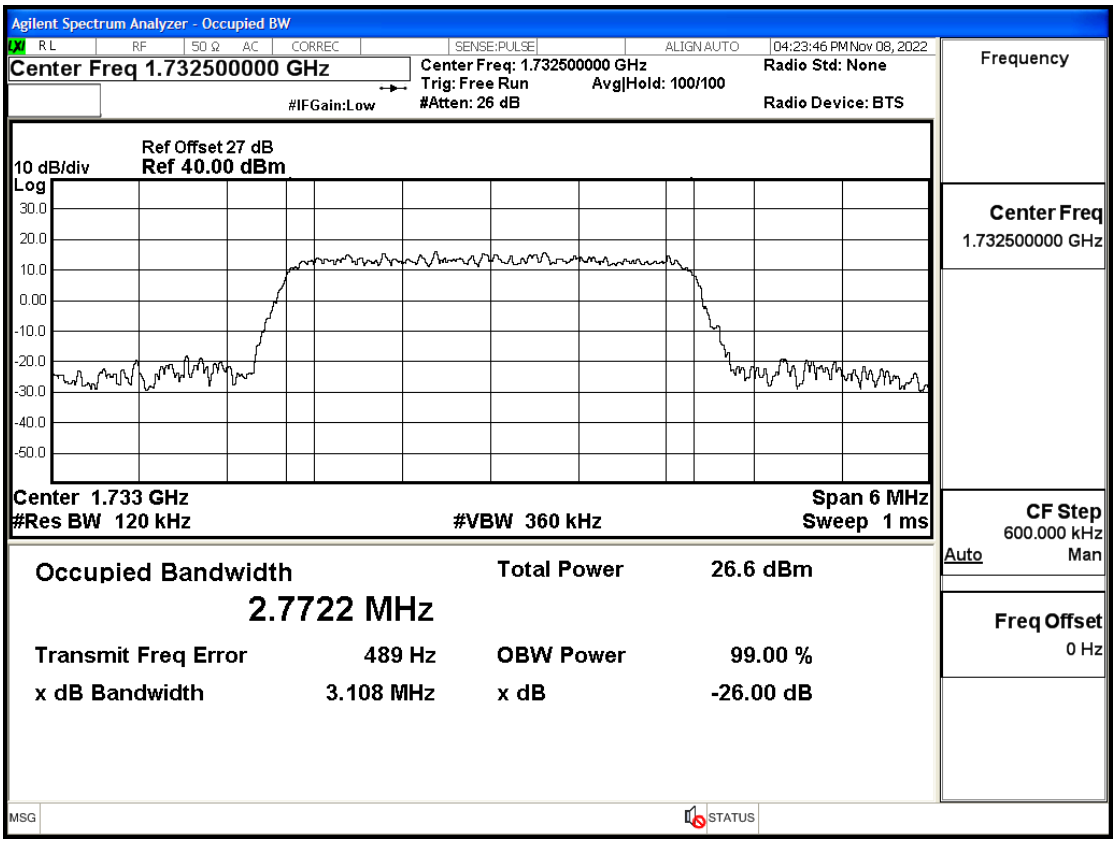
Band4-3-1711.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



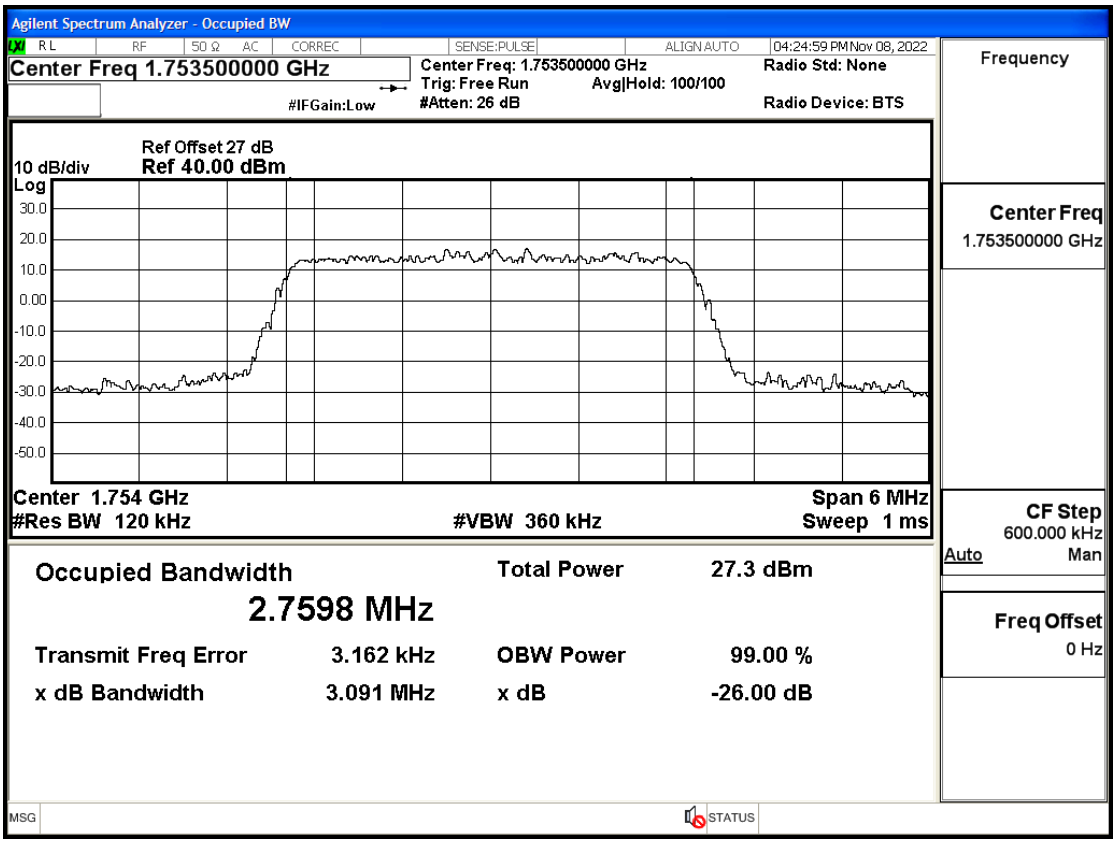
Band4-3-1732.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



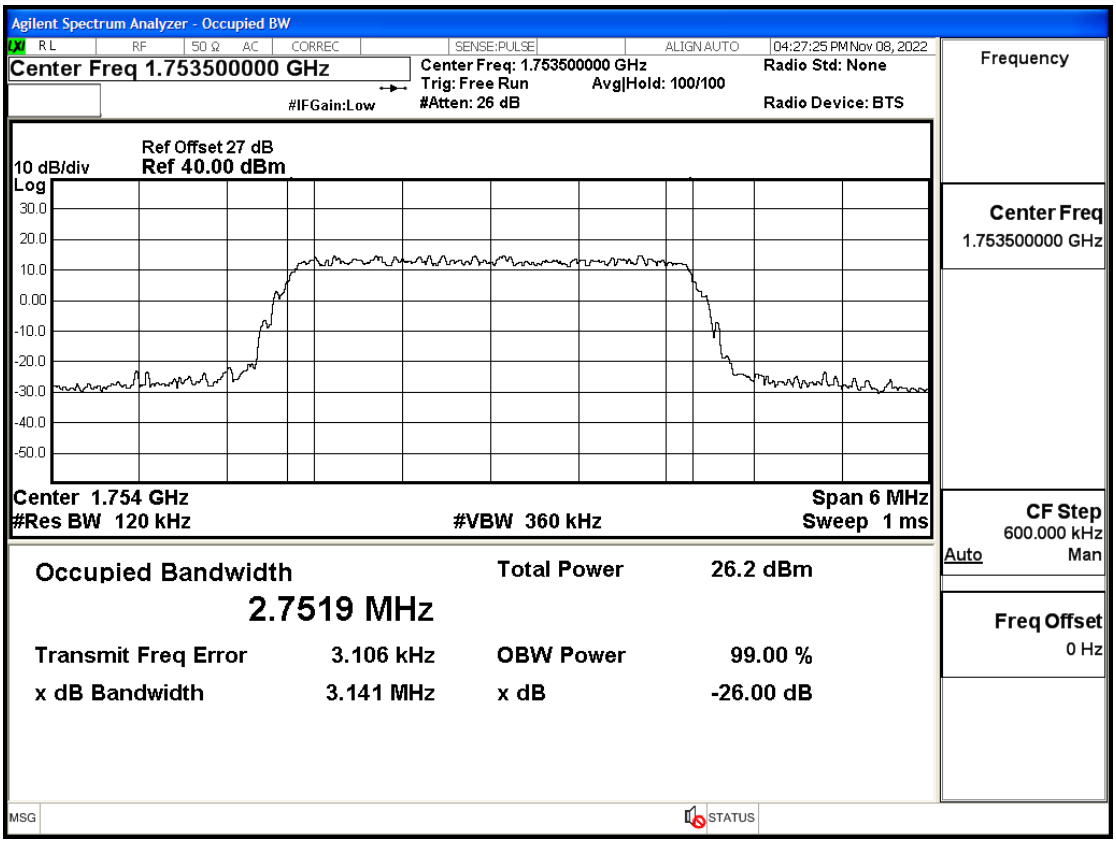
Band4-3-1732.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



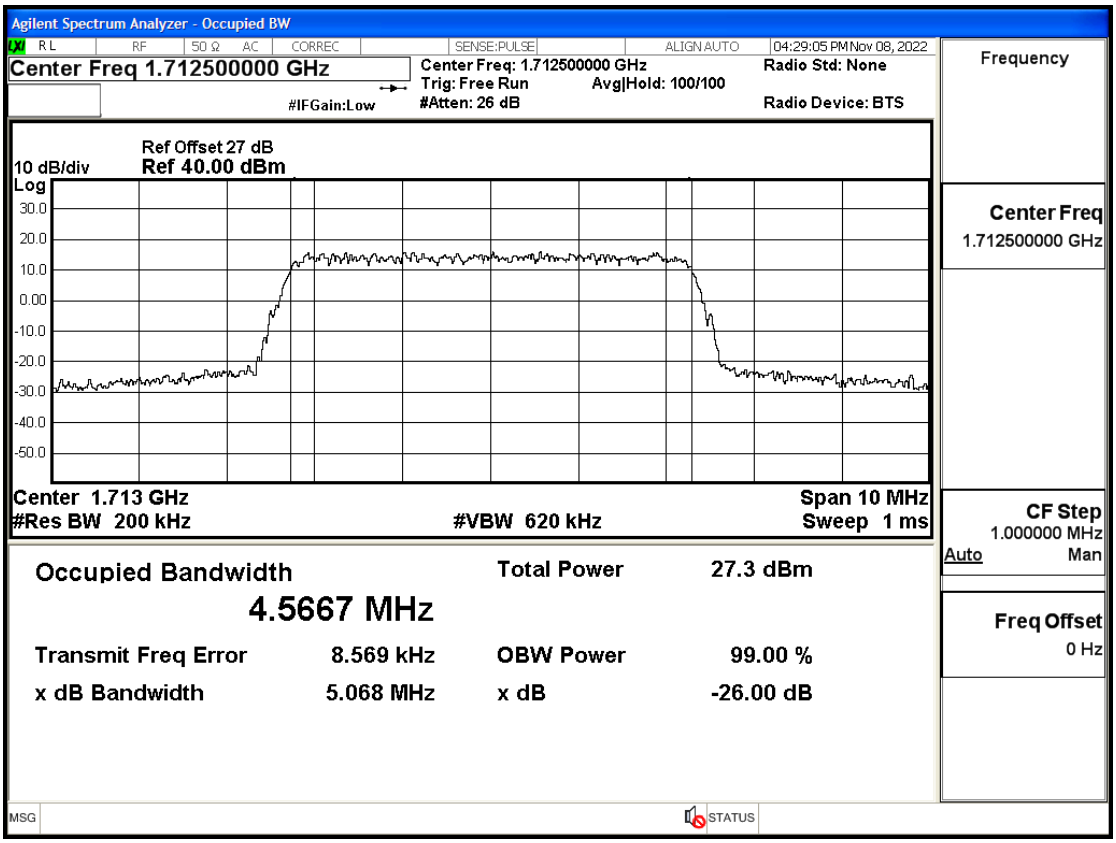
Band4-3-1753.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



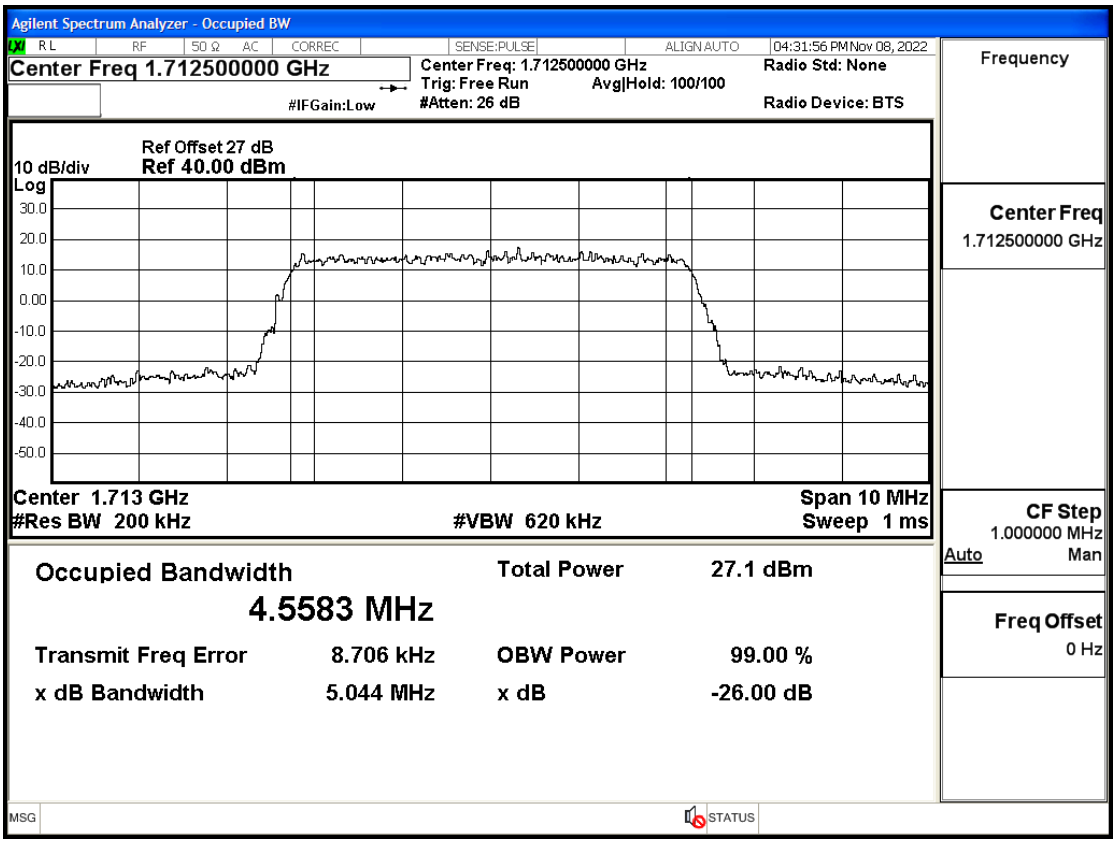
Band4-3-1753.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



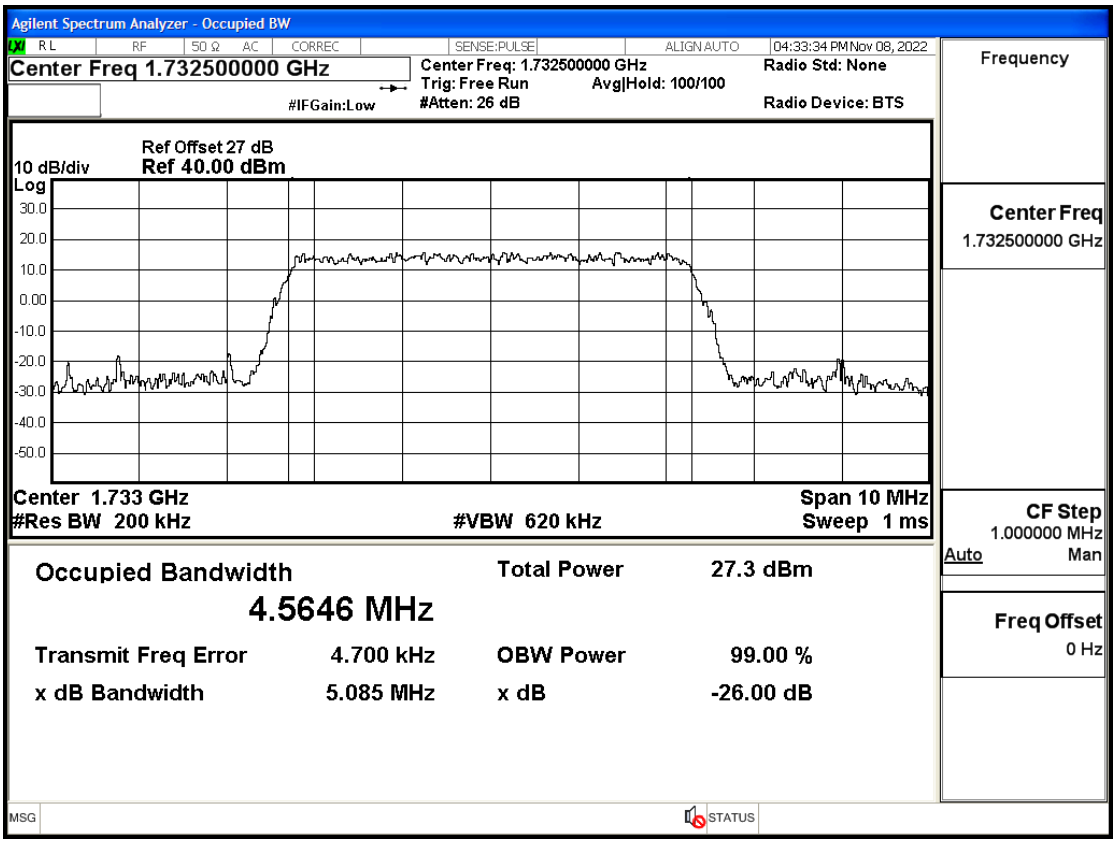
Band4-5-1712.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



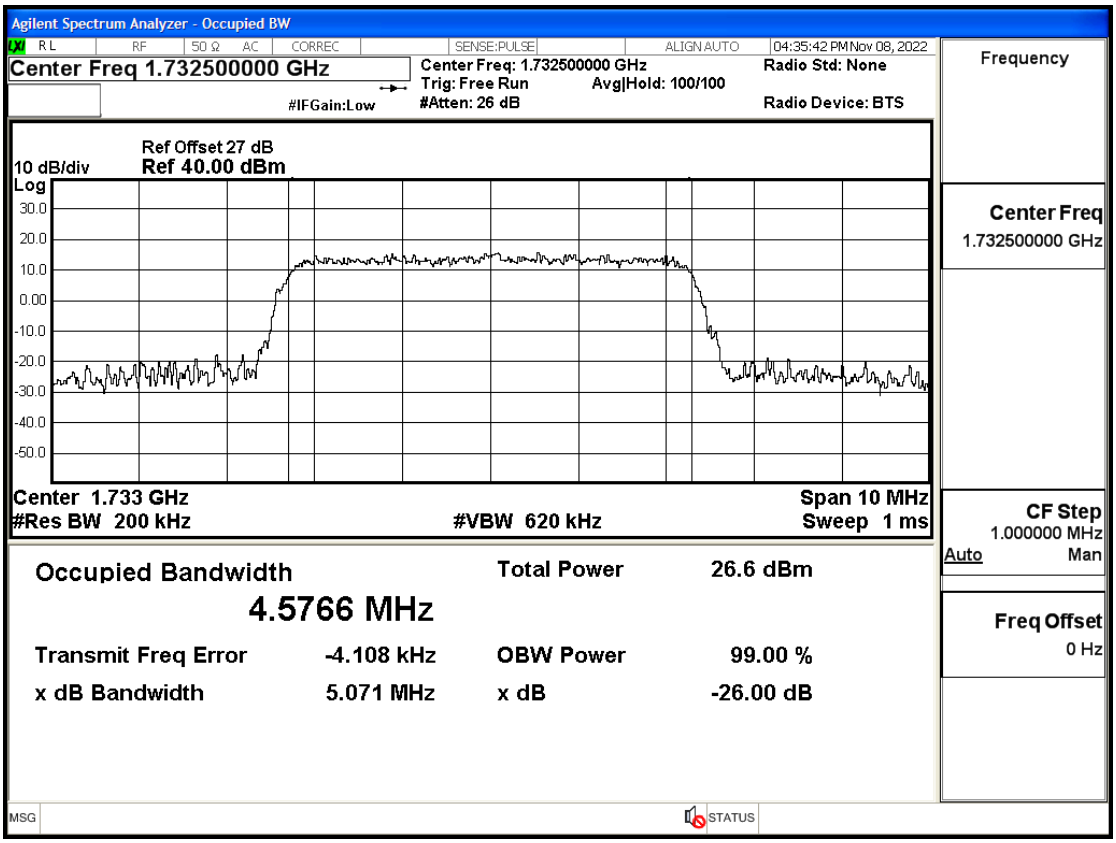
Band4-5-1712.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



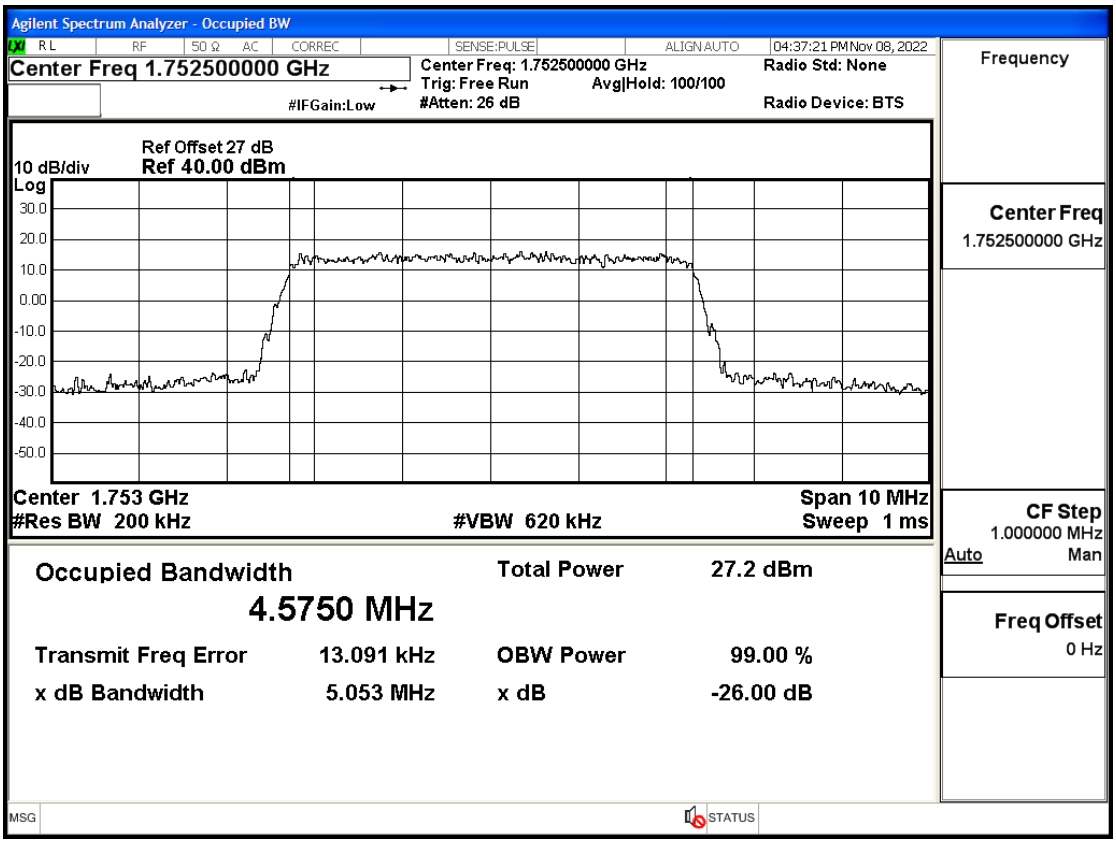
Band4-5-1732.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



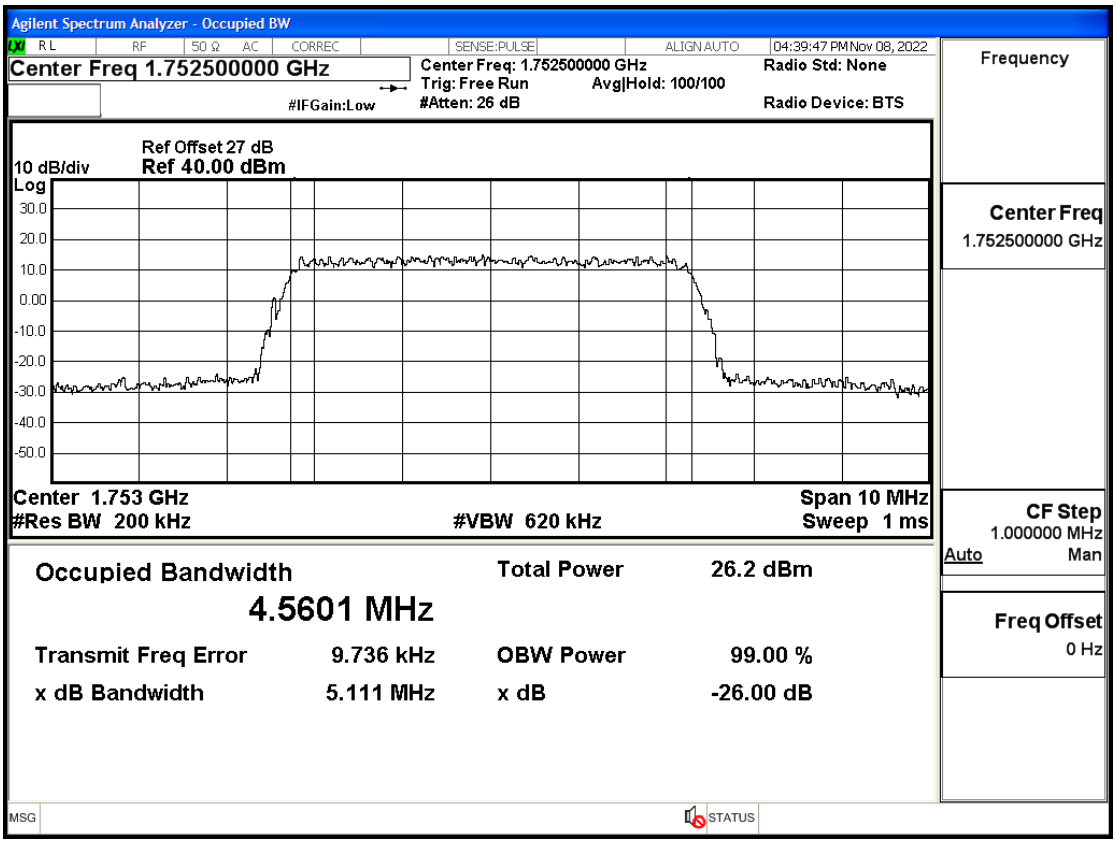
Band4-5-1732.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



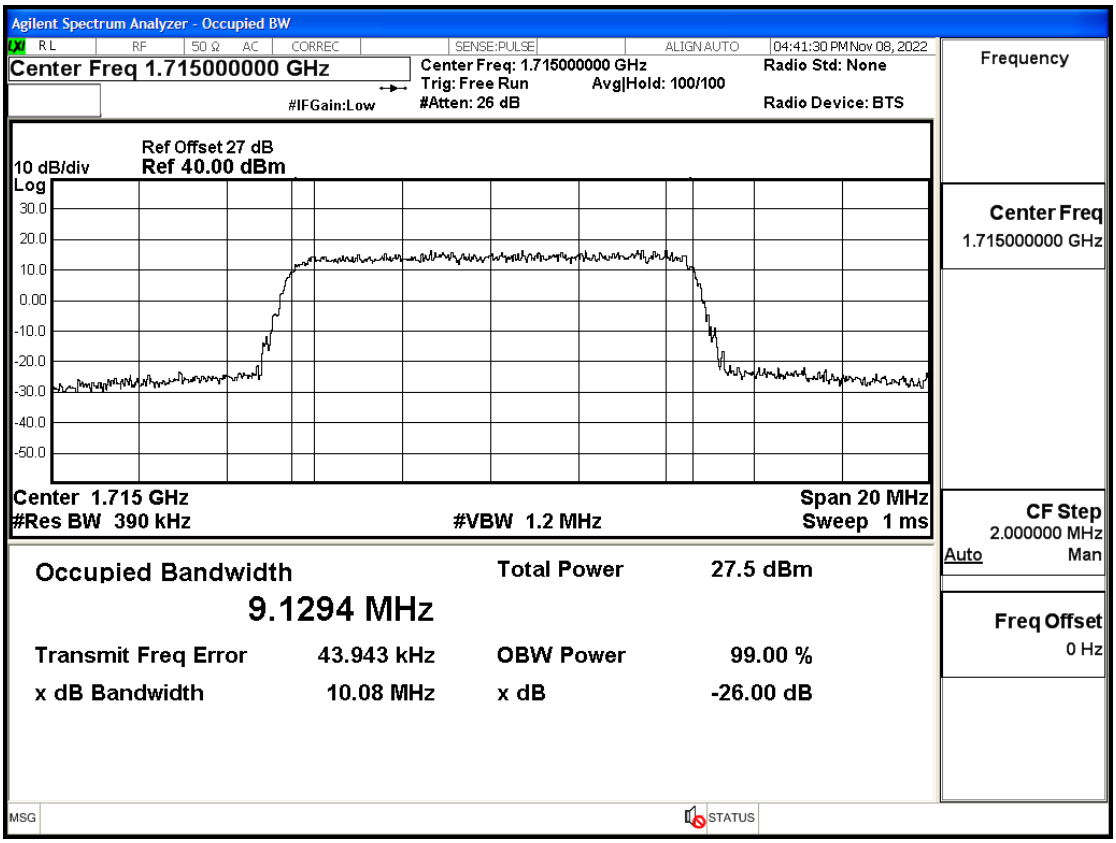
Band4-5-1752.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



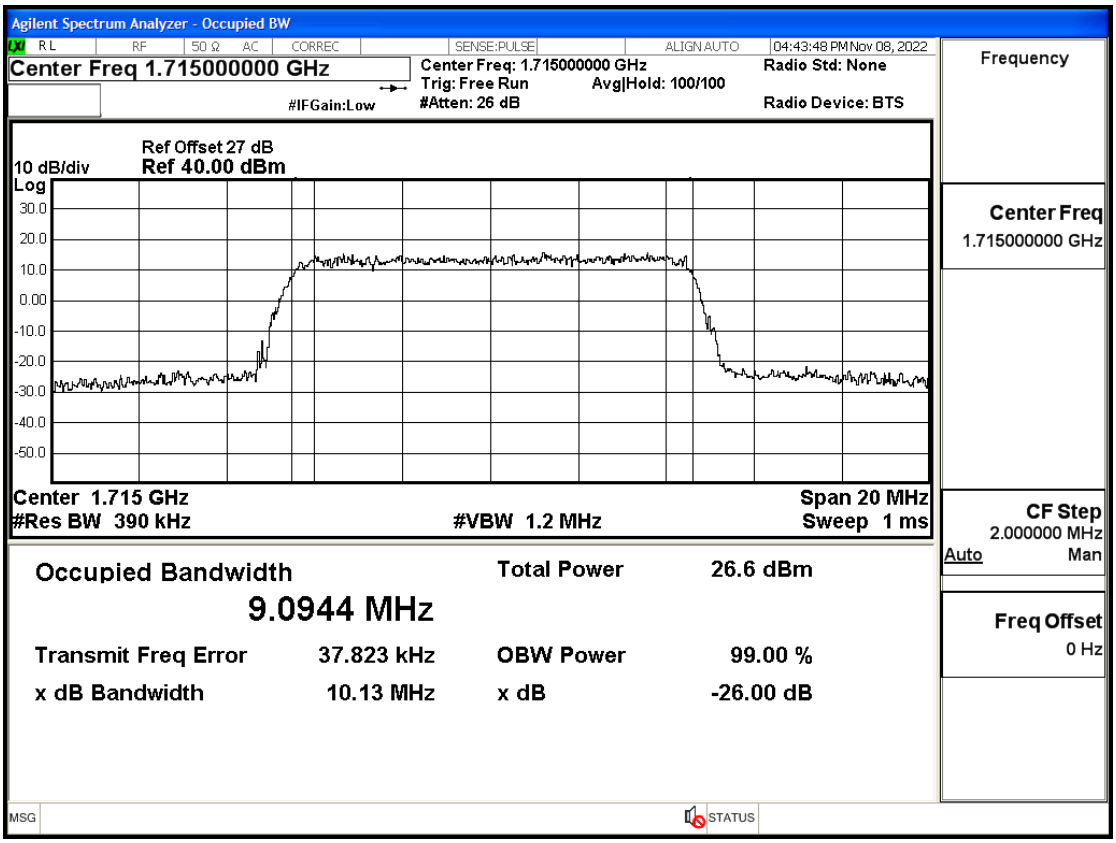
Band4-5-1752.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



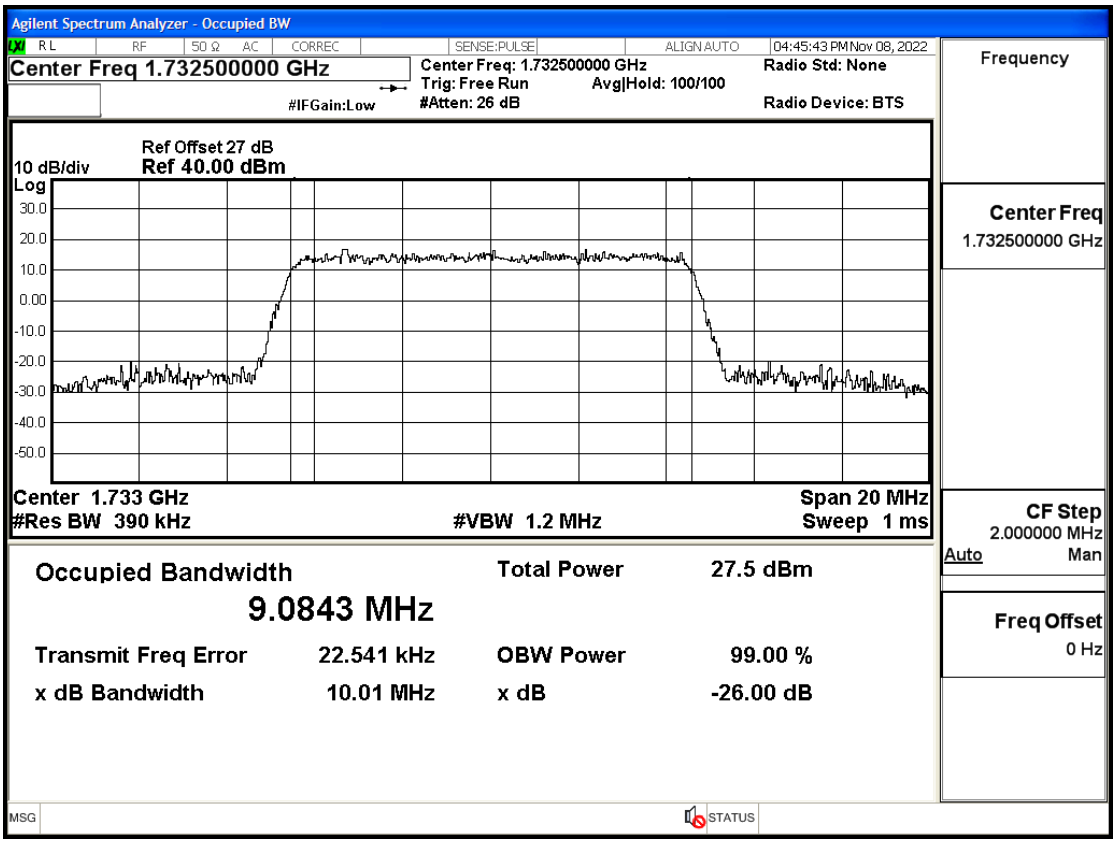
Band4-10-1715-QPSK-50#LOW@26dB and 99PCT Bandwidth



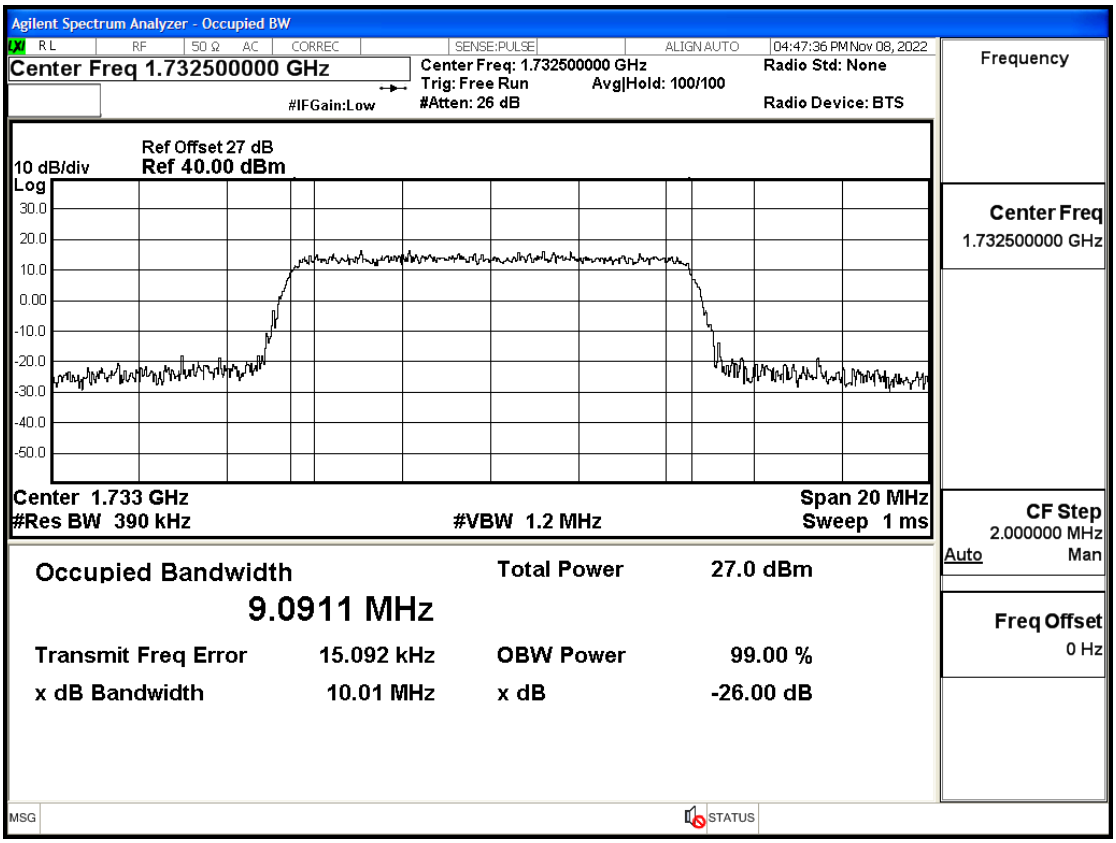
Band4-10-1715-16QAM-50#LOW@26dB and 99PCT Bandwidth



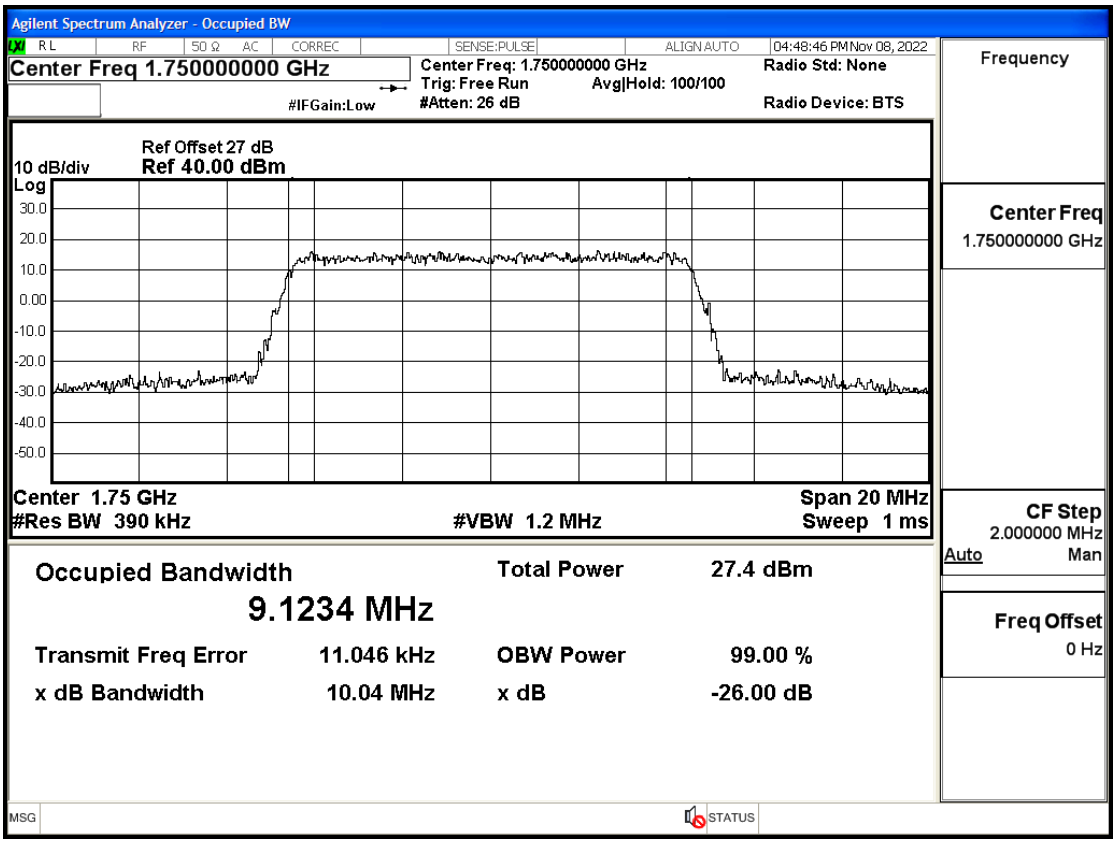
Band4-10-1732.5-QPSK-50#LOW@26dB and 99PCT Bandwidth



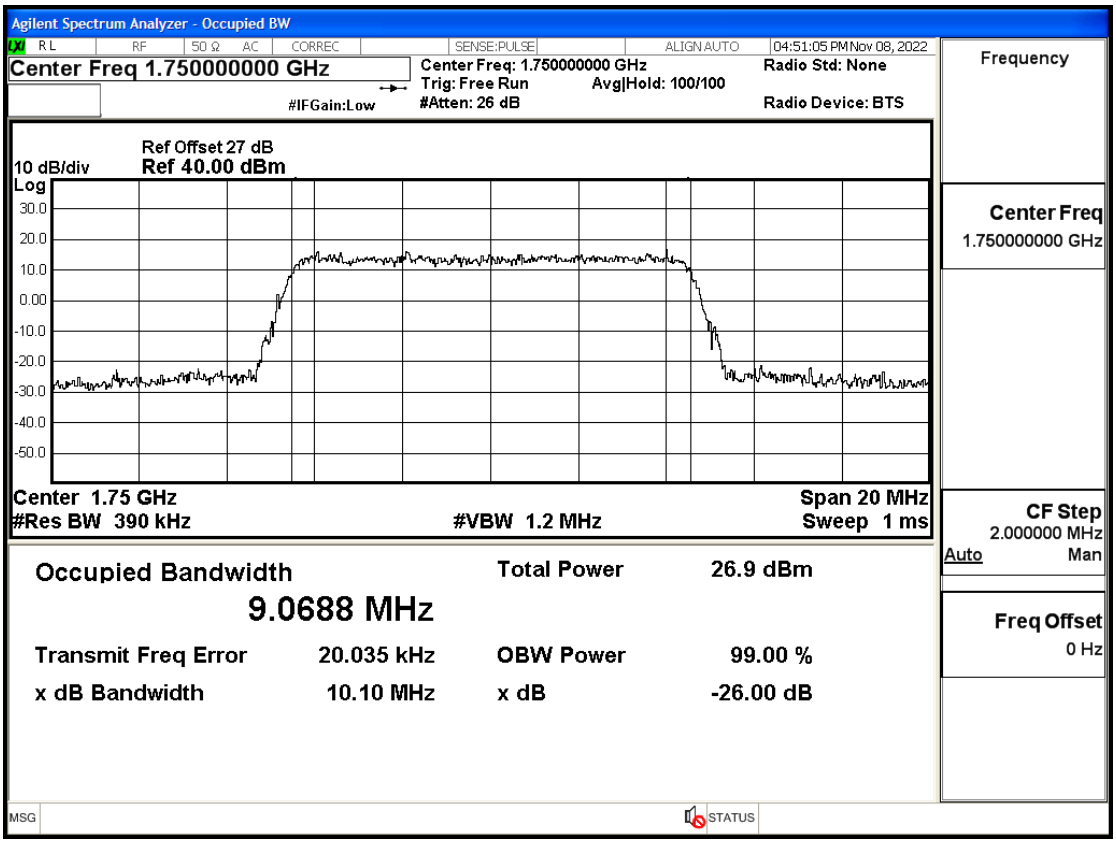
Band4-10-1732.5-16QAM-50#LOW@26dB and 99PCT Bandwidth



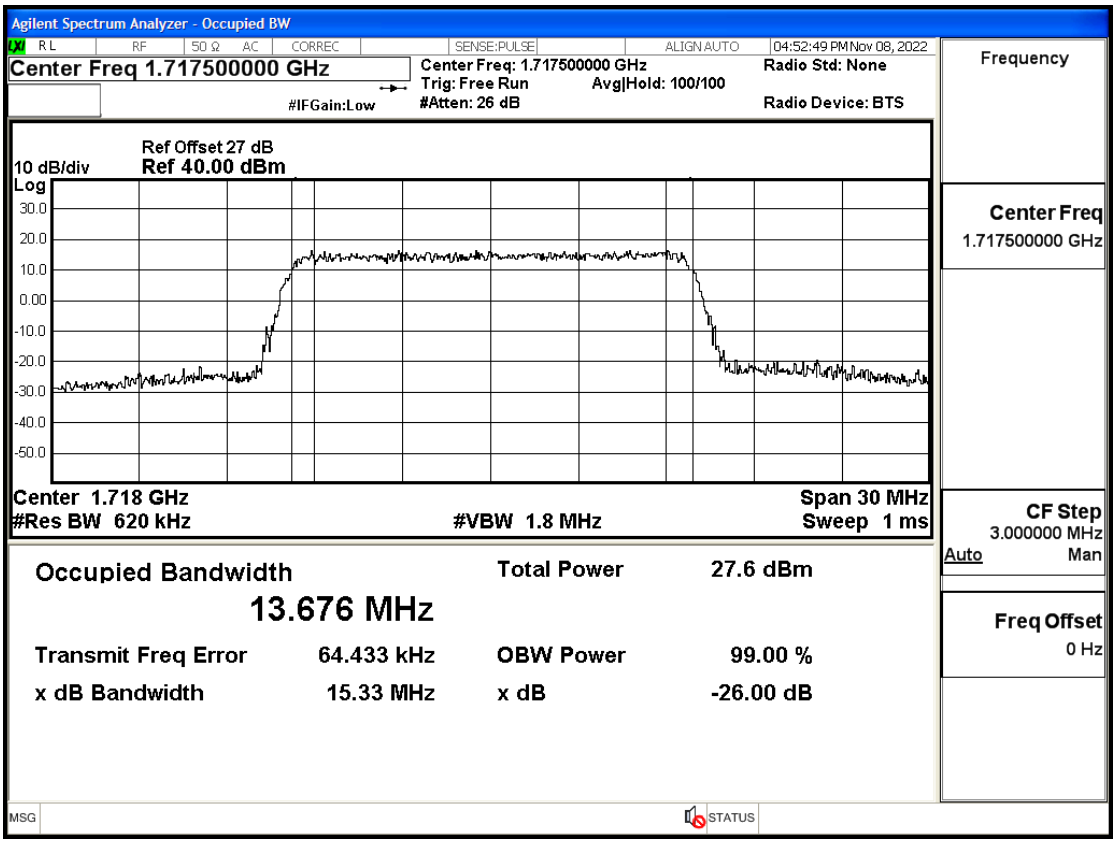
Band4-10-1750-QPSK-50#LOW@26dB and 99PCT Bandwidth



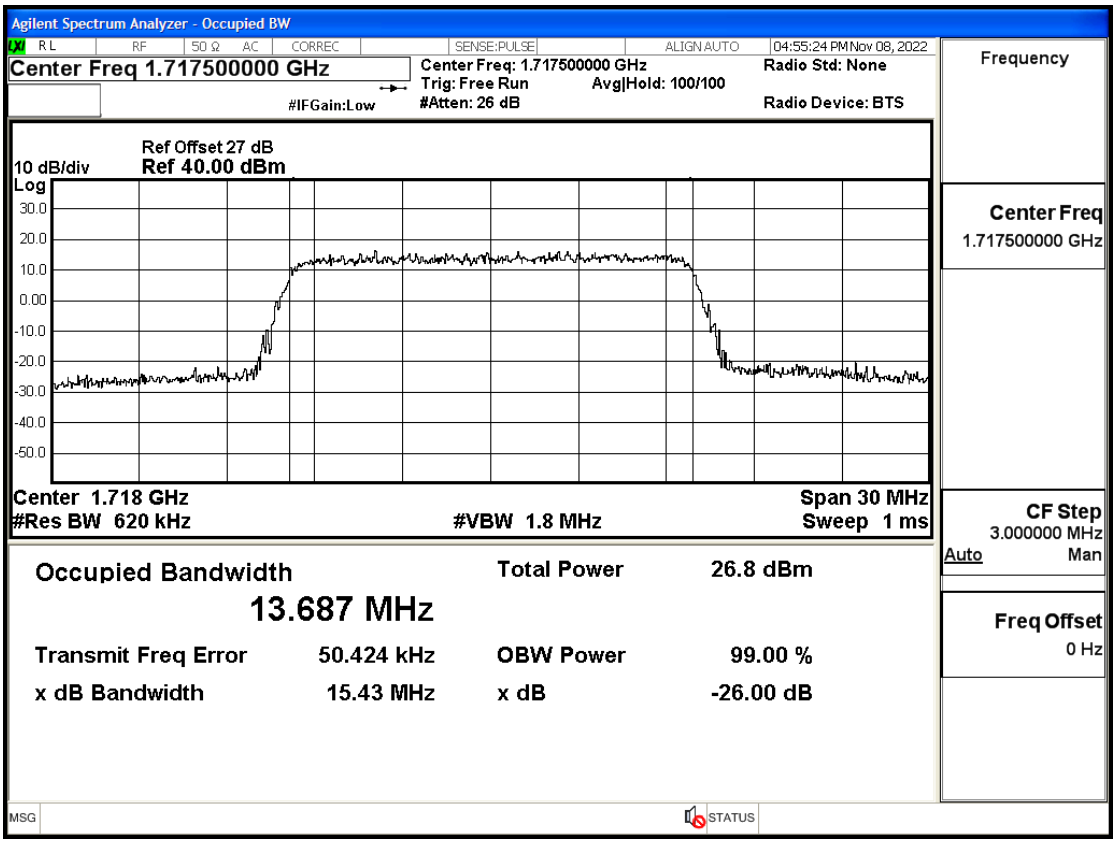
Band4-10-1750-16QAM-50#LOW@26dB and 99PCT Bandwidth



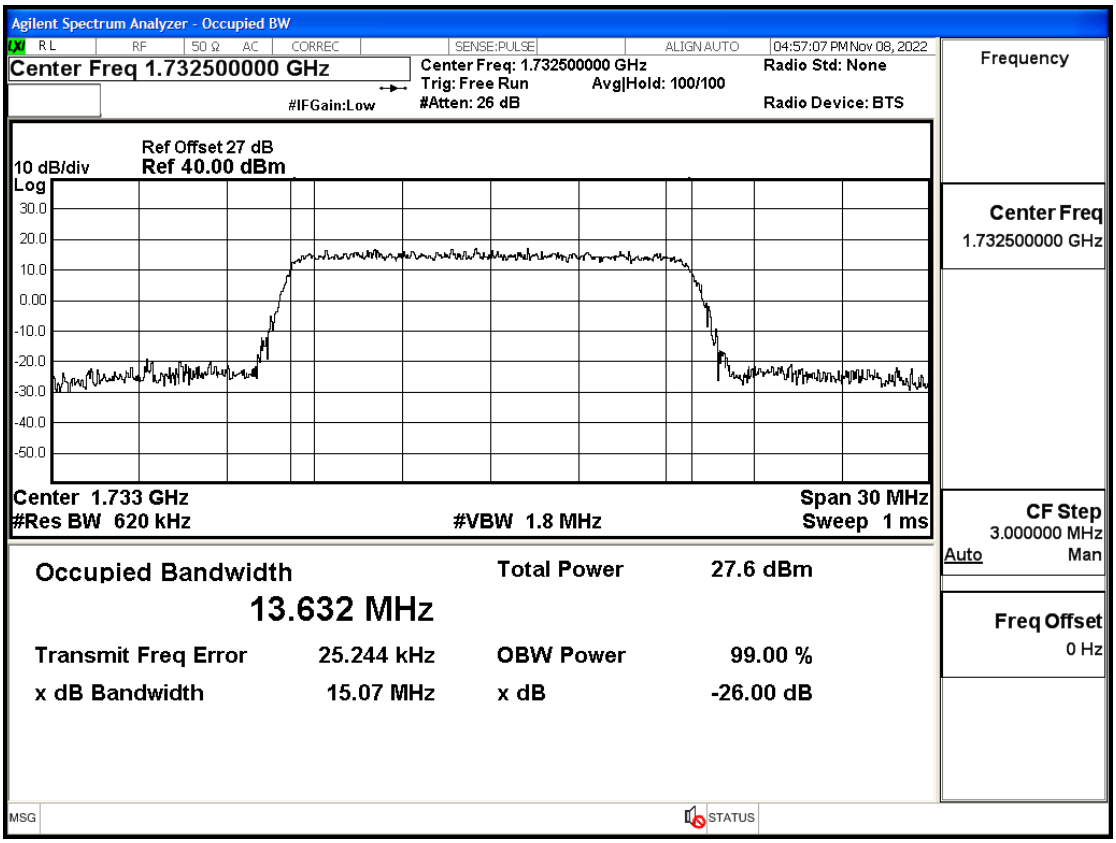
Band4-15-1717.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



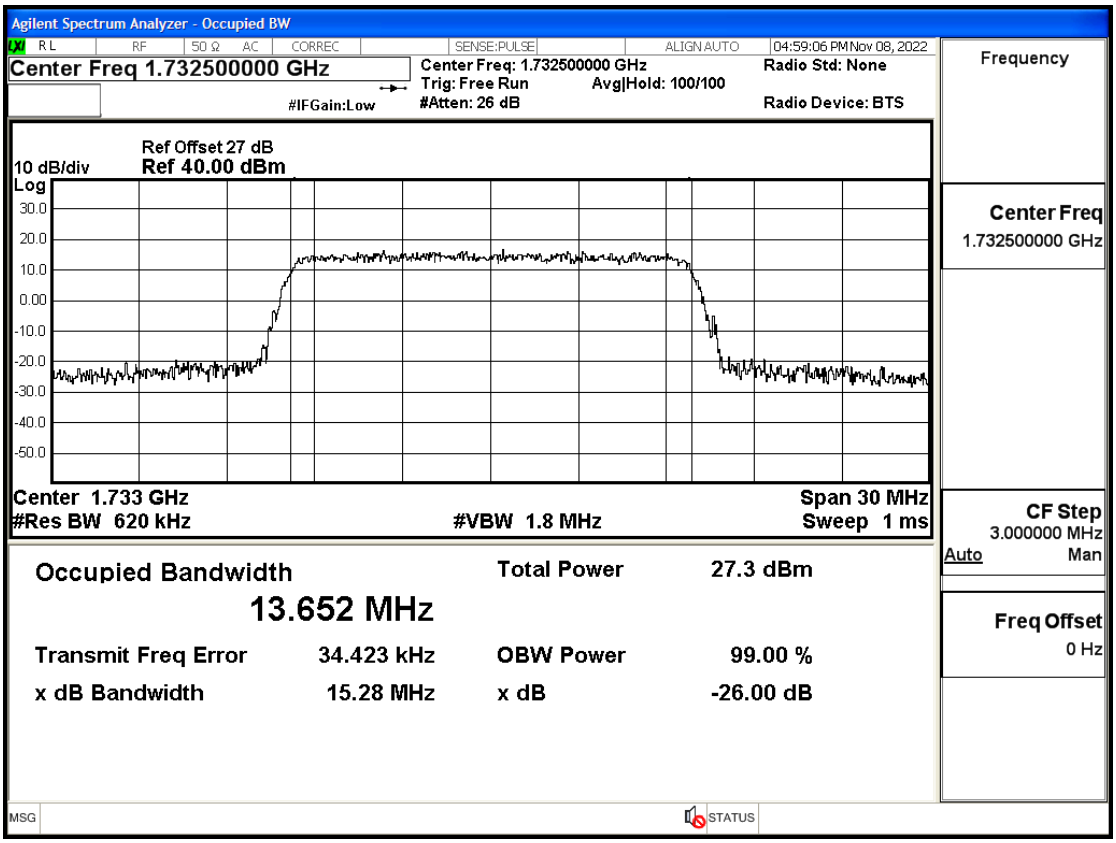
Band4-15-1717.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



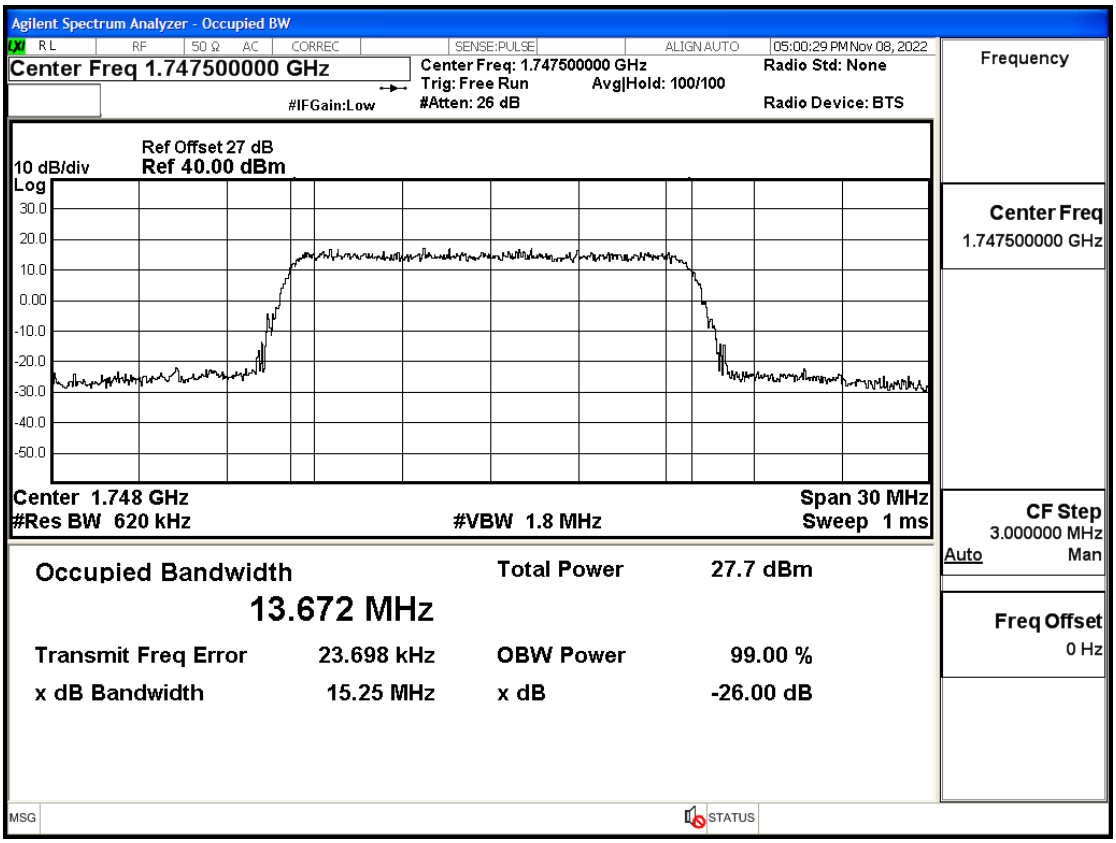
Band4-15-1732.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



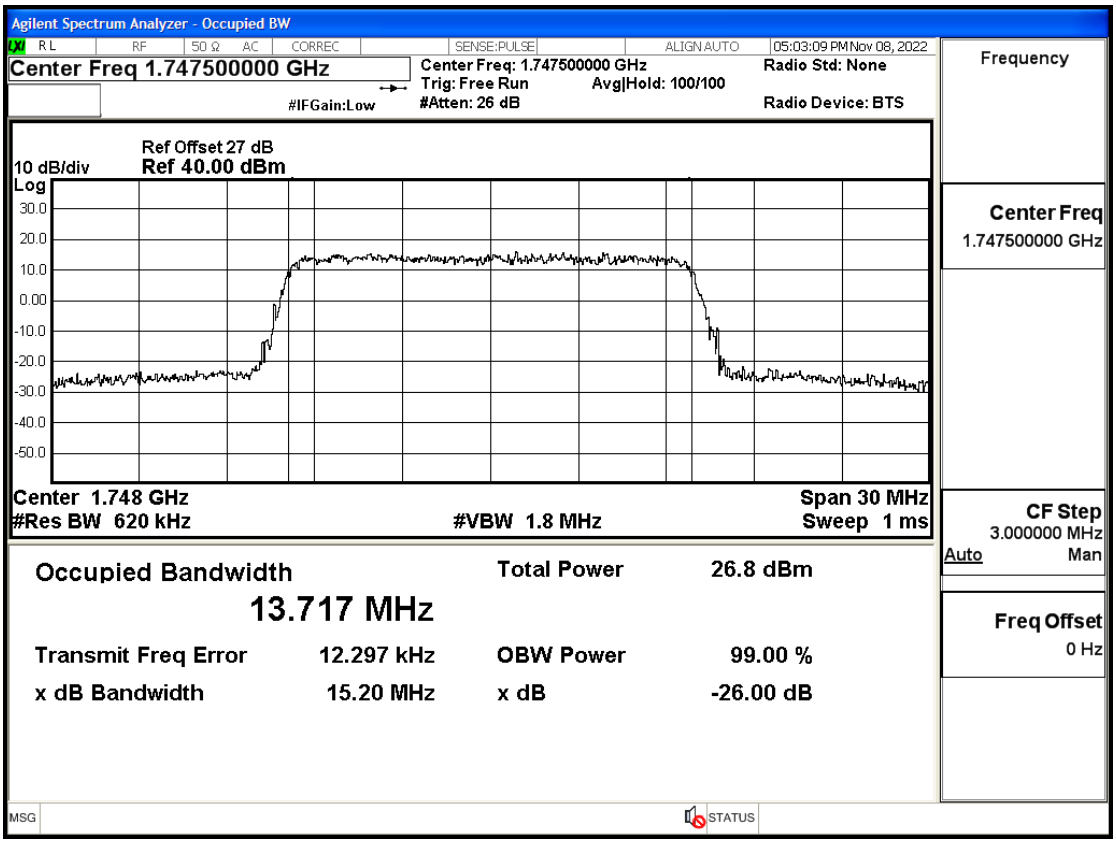
Band4-15-1732.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



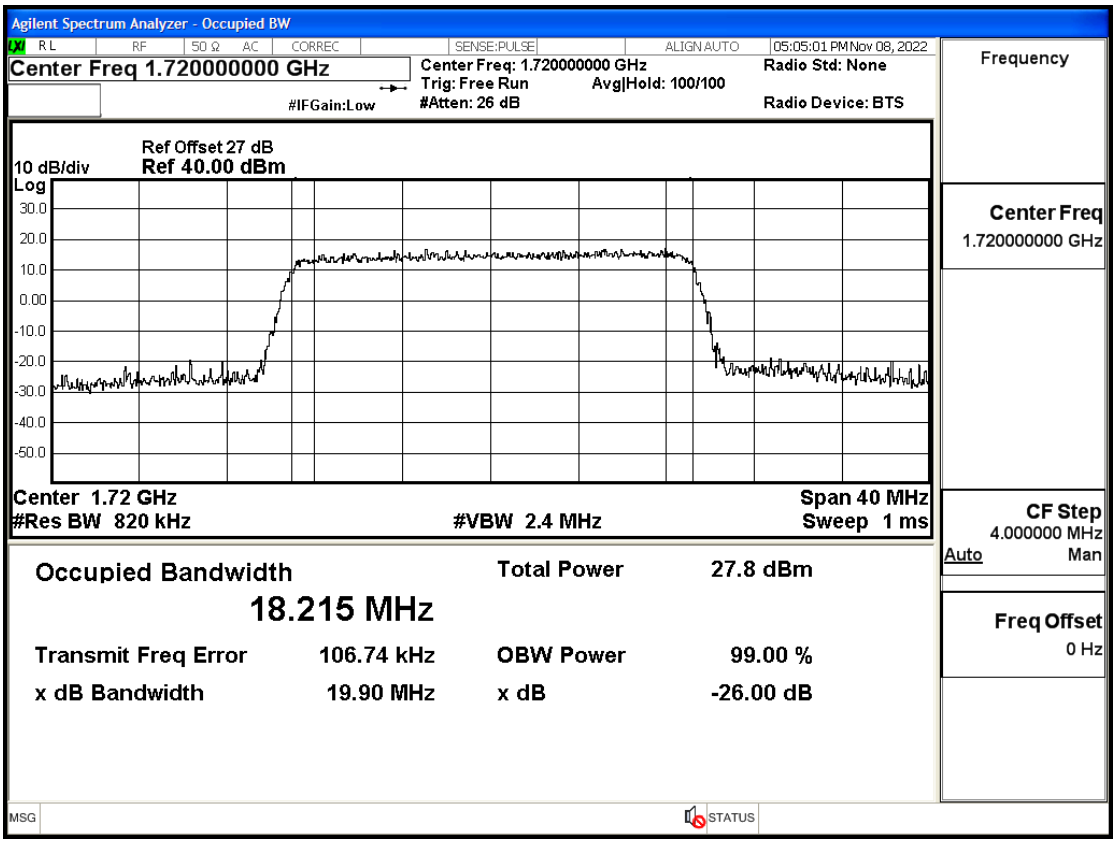
Band4-15-1747.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



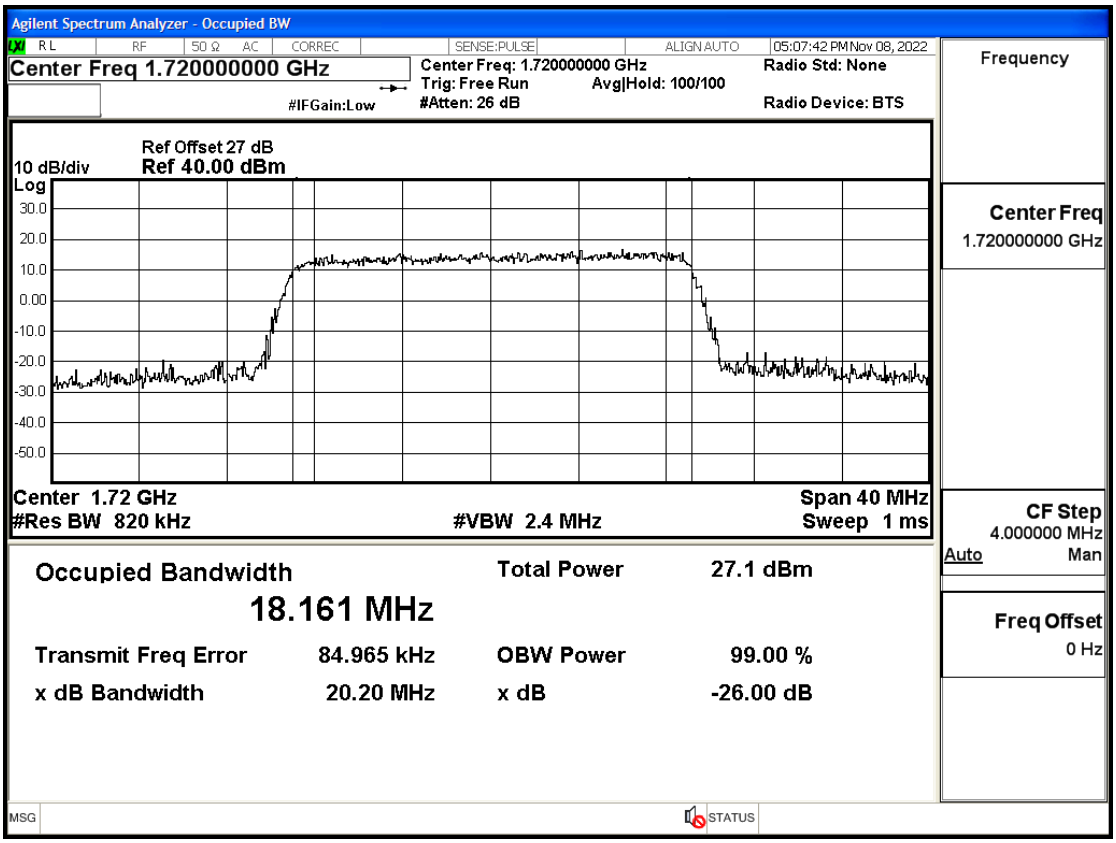
Band4-15-1747.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



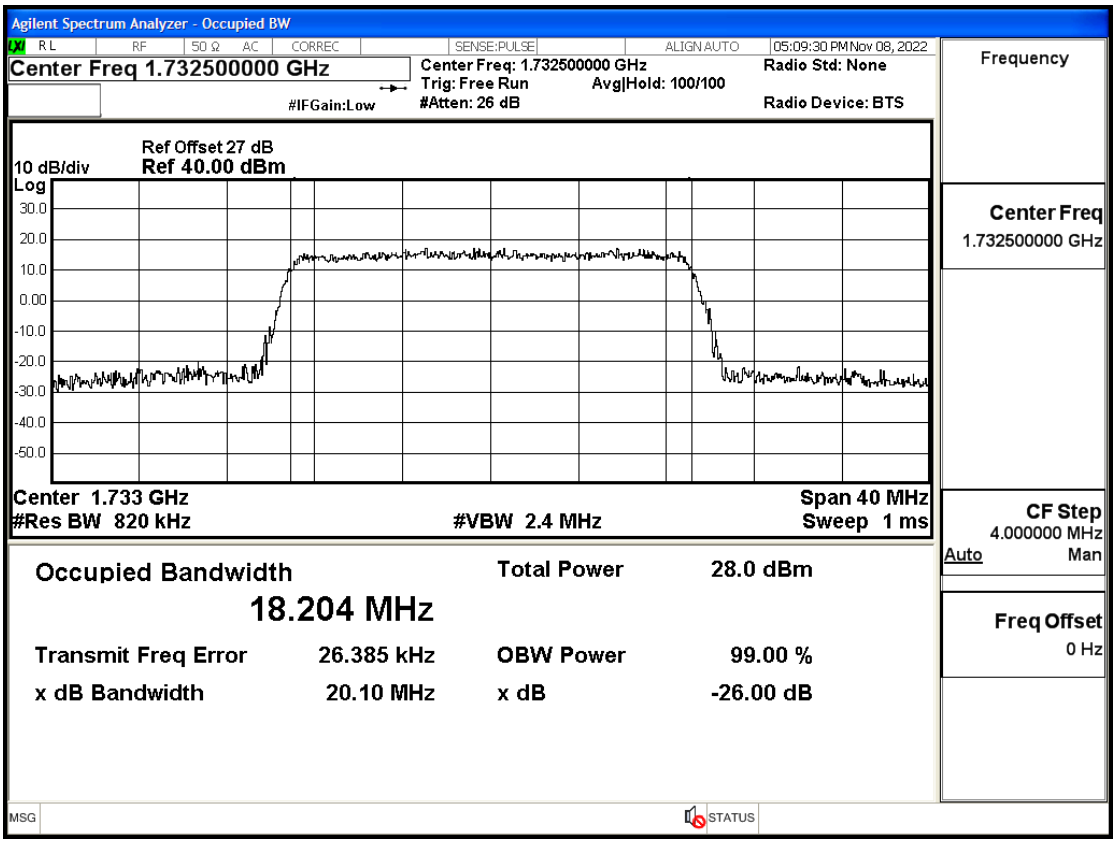
Band4-20-1720-QPSK-100#LOW@26dB and 99PCT Bandwidth



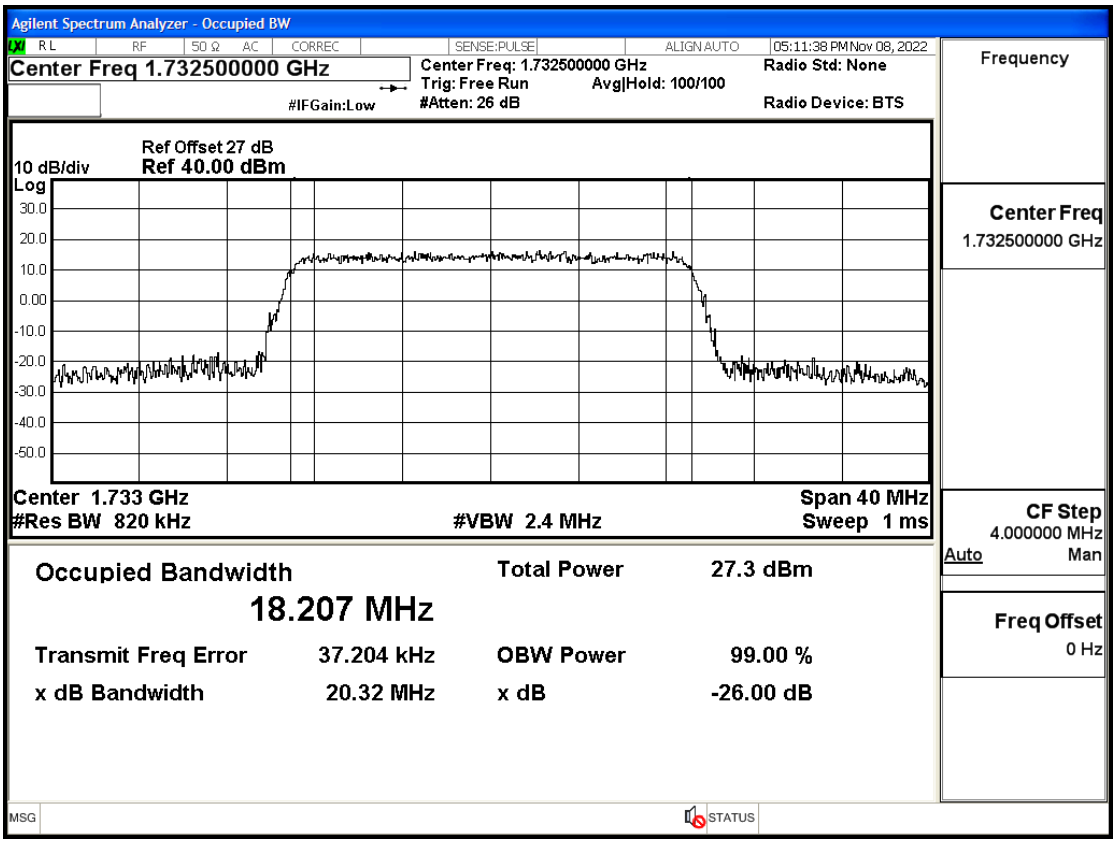
Band4-20-1720-16QAM-100#LOW@26dB and 99PCT Bandwidth



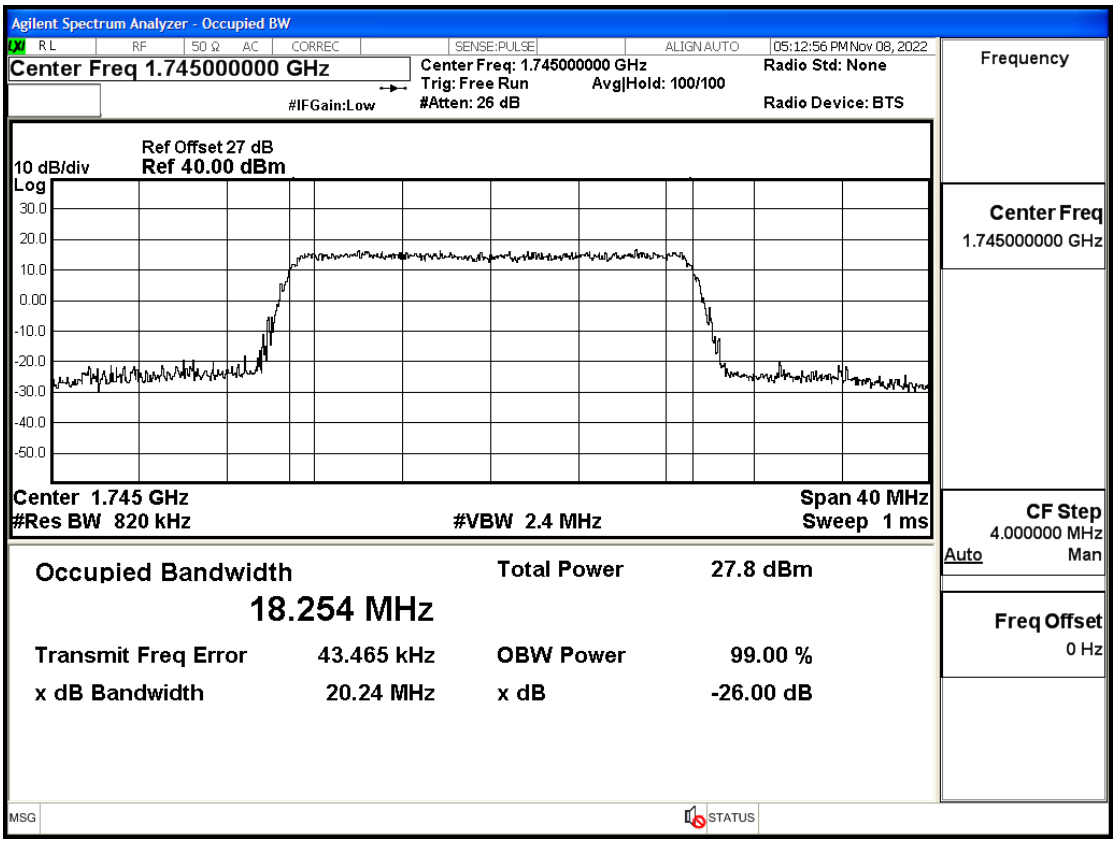
Band4-20-1732.5-QPSK-100#LOW@26dB and 99PCT Bandwidth



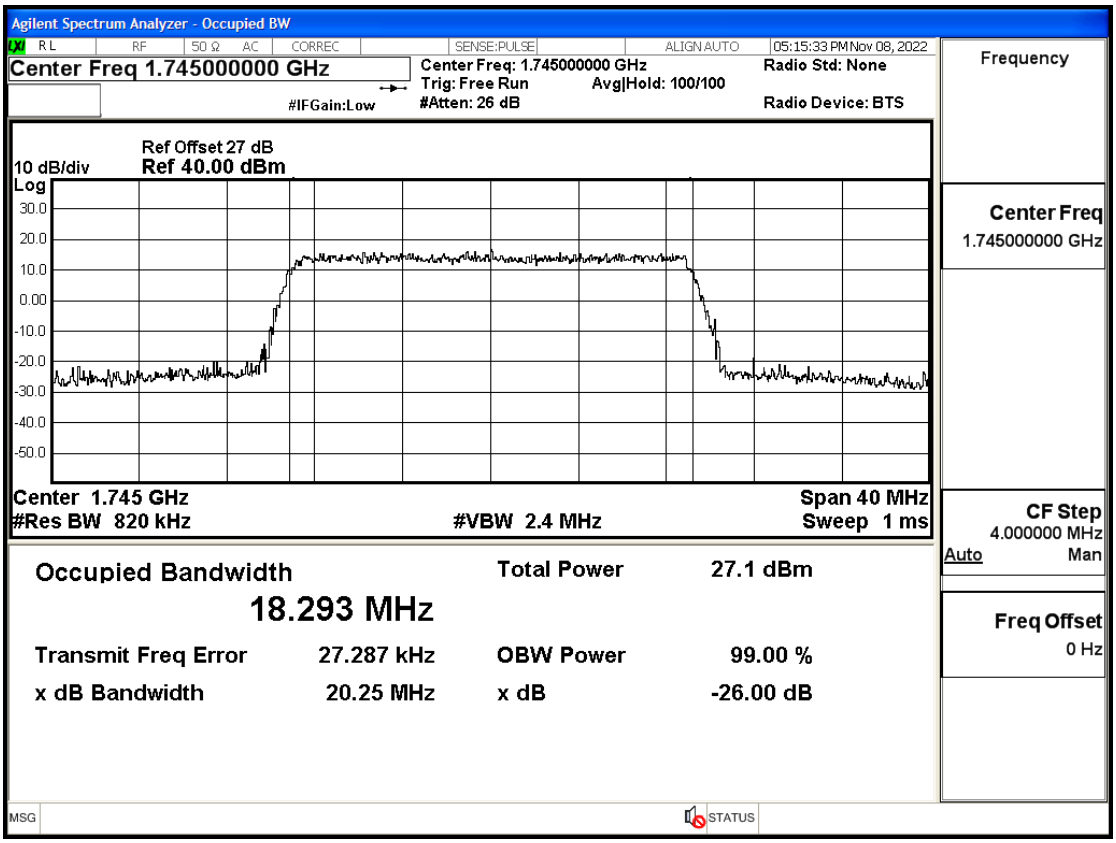
Band4-20-1732.5-16QAM-100#LOW@26dB and 99PCT Bandwidth



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	0.0563	PASS
40	Normal Voltage	0.0350	
30	Normal Voltage	0.0165	
20(Ref.)	Normal Voltage	0.0255	
10	Normal Voltage	0.0696	
0	Normal Voltage	0.0186	
-10	Normal Voltage	0.0471	
-20	Normal Voltage	0.0357	
-30	Normal Voltage	0.0177	
20	Maximum Voltage	0.0167	
20	Normal Voltage	0.0243	
20	Battery End Point	0.0615	

Peak and Average Power

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Average Power	Peak Power	Peak to Average(dB)	limit(dB)	AntGain(dBi)	ERP/EIRP(dBm)	Limit(dBm)	Conclusion
Band4	1.4	1710.7	QPSK	6	LOW	20.19	26.66	6.47	13	0.92	21.11	30	Pass
Band4	1.4	1710.7	QPSK	3	LOW	21.01	27.08	6.07	13	0.92	21.93	30	Pass
Band4	1.4	1710.7	QPSK	3	MID	20.99	27.04	6.05	13	0.92	21.91	30	Pass
Band4	1.4	1710.7	QPSK	3	HIGH	20.99	26.88	5.89	13	0.92	21.91	30	Pass
Band4	1.4	1710.7	QPSK	1	LOW	21	26.73	5.73	13	0.92	21.92	30	Pass
Band4	1.4	1710.7	QPSK	1	MID	21.02	26.74	5.72	13	0.92	21.94	30	Pass
Band4	1.4	1710.7	QPSK	1	HIGH	21	26.71	5.71	13	0.92	21.92	30	Pass
Band4	1.4	1710.7	16QAM	6	LOW	19.28	26.97	7.69	13	0.92	20.2	30	Pass
Band4	1.4	1710.7	16QAM	3	LOW	20.24	26.42	6.18	13	0.92	21.16	30	Pass
Band4	1.4	1710.7	16QAM	3	MID	20.23	26.46	6.23	13	0.92	21.15	30	Pass
Band4	1.4	1710.7	16QAM	3	HIGH	20.26	26.54	6.28	13	0.92	21.18	30	Pass
Band4	1.4	1710.7	16QAM	1	LOW	21.18	26.84	5.66	13	0.92	22.1	30	Pass
Band4	1.4	1710.7	16QAM	1	MID	20.98	26.68	5.7	13	0.92	21.9	30	Pass
Band4	1.4	1710.7	16QAM	1	HIGH	21.03	26.68	5.65	13	0.92	21.95	30	Pass
Band4	1.4	1732.5	QPSK	6	LOW	19.83	25.46	5.63	13	0.92	20.75	30	Pass
Band4	1.4	1732.5	QPSK	3	LOW	20.95	25.91	4.96	13	0.92	21.87	30	Pass
Band4	1.4	1732.5	QPSK	3	MID	20.95	25.92	4.97	13	0.92	21.87	30	Pass
Band4	1.4	1732.5	QPSK	3	HIGH	20.93	25.87	4.94	13	0.92	21.85	30	Pass
Band4	1.4	1732.5	QPSK	1	LOW	21.1	25.69	4.59	13	0.92	22.02	30	Pass
Band4	1.4	1732.5	QPSK	1	MID	21.01	25.63	4.62	13	0.92	21.93	30	Pass
Band4	1.4	1732.5	QPSK	1	HIGH	21.09	25.75	4.66	13	0.92	22.01	30	Pass
Band4	1.4	1732.5	16QAM	6	LOW	19.47	25.97	6.5	13	0.92	20.39	30	Pass
Band4	1.4	1732.5	16QAM	3	LOW	19.78	25.8	6.02	13	0.92	20.7	30	Pass
Band4	1.4	1732.5	16QAM	3	MID	19.79	25.81	6.02	13	0.92	20.71	30	Pass
Band4	1.4	1732.5	16QAM	3	HIGH	19.9	25.91	6.01	13	0.92	20.82	30	Pass
Band4	1.4	1732.5	16QAM	1	LOW	20.75	25.33	4.58	13	0.92	21.67	30	Pass
Band4	1.4	1732.5	16QAM	1	MID	20.73	25.2	4.47	13	0.92	21.65	30	Pass
Band4	1.4	1732.5	16QAM	1	HIGH	20.72	25.2	4.48	13	0.92	21.64	30	Pass
Band4	1.4	1754.3	QPSK	6	LOW	19.77	25.67	5.9	13	0.92	20.69	30	Pass
Band4	1.4	1754.3	QPSK	3	LOW	20.8	26.21	5.41	13	0.92	21.72	30	Pass
Band4	1.4	1754.3	QPSK	3	MID	20.79	26.21	5.42	13	0.92	21.71	30	Pass
Band4	1.4	1754.3	QPSK	3	HIGH	20.97	26.24	5.27	13	0.92	21.89	30	Pass
Band4	1.4	1754.3	QPSK	1	LOW	20.94	25.8	4.86	13	0.92	21.86	30	Pass
Band4	1.4	1754.3	QPSK	1	MID	21.02	25.77	4.75	13	0.92	21.94	30	Pass
Band4	1.4	1754.3	QPSK	1	HIGH	20.93	25.71	4.78	13	0.92	21.85	30	Pass
Band4	1.4	1754.3	16QAM	6	LOW	19.13	26.03	6.9	13	0.92	20.05	30	Pass
Band4	1.4	1754.3	16QAM	3	LOW	19.86	26.17	6.31	13	0.92	20.78	30	Pass
Band4	1.4	1754.3	16QAM	3	MID	19.86	26.16	6.3	13	0.92	20.78	30	Pass
Band4	1.4	1754.3	16QAM	3	HIGH	19.85	26.09	6.24	13	0.92	20.77	30	Pass
Band4	1.4	1754.3	16QAM	1	LOW	20.11	25.18	5.07	13	0.92	21.03	30	Pass

Band4	1.4	1754.3	16QAM	1	MID	20	25.1	5.1	13	0.92	20.92	30	Pass
Band4	1.4	1754.3	16QAM	1	HIGH	20.13	25.15	5.02	13	0.92	21.05	30	Pass
Band4	3	1711.5	QPSK	15	LOW	19.97	26.5	6.53	13	0.92	20.89	30	Pass
Band4	3	1711.5	QPSK	8	LOW	19.85	25.86	6.01	13	0.92	20.77	30	Pass
Band4	3	1711.5	QPSK	8	MID	19.85	26.02	6.17	13	0.92	20.77	30	Pass
Band4	3	1711.5	QPSK	8	HIGH	19.92	26	6.08	13	0.92	20.84	30	Pass
Band4	3	1711.5	QPSK	1	LOW	20.87	26.06	5.19	13	0.92	21.79	30	Pass
Band4	3	1711.5	QPSK	1	MID	20.88	26.07	5.19	13	0.92	21.8	30	Pass
Band4	3	1711.5	QPSK	1	HIGH	20.91	26.01	5.1	13	0.92	21.83	30	Pass
Band4	3	1711.5	16QAM	15	LOW	19.04	26.26	7.22	13	0.92	19.96	30	Pass
Band4	3	1711.5	16QAM	8	LOW	19.39	26.26	6.87	13	0.92	20.31	30	Pass
Band4	3	1711.5	16QAM	8	MID	19.38	26.56	7.18	13	0.92	20.3	30	Pass
Band4	3	1711.5	16QAM	8	HIGH	19.74	26.61	6.87	13	0.92	20.66	30	Pass
Band4	3	1711.5	16QAM	1	LOW	20.29	26.81	6.52	13	0.92	21.21	30	Pass
Band4	3	1711.5	16QAM	1	MID	20.37	26.79	6.42	13	0.92	21.29	30	Pass
Band4	3	1711.5	16QAM	1	HIGH	20.38	26.76	6.38	13	0.92	21.3	30	Pass
Band4	3	1732.5	QPSK	15	LOW	19.78	25.98	6.2	13	0.92	20.7	30	Pass
Band4	3	1732.5	QPSK	8	LOW	20.08	25.75	5.67	13	0.92	21	30	Pass
Band4	3	1732.5	QPSK	8	MID	19.96	25.79	5.83	13	0.92	20.88	30	Pass
Band4	3	1732.5	QPSK	8	HIGH	19.94	25.7	5.76	13	0.92	20.86	30	Pass
Band4	3	1732.5	QPSK	1	LOW	21.09	25.68	4.59	13	0.92	22.01	30	Pass
Band4	3	1732.5	QPSK	1	MID	21.02	25.72	4.7	13	0.92	21.94	30	Pass
Band4	3	1732.5	QPSK	1	HIGH	21.04	25.76	4.72	13	0.92	21.96	30	Pass
Band4	3	1732.5	16QAM	15	LOW	19.58	26.52	6.94	13	0.92	20.5	30	Pass
Band4	3	1732.5	16QAM	8	LOW	18.99	25.2	6.21	13	0.92	19.91	30	Pass
Band4	3	1732.5	16QAM	8	MID	19	25.29	6.29	13	0.92	19.92	30	Pass
Band4	3	1732.5	16QAM	8	HIGH	19.37	25.65	6.28	13	0.92	20.29	30	Pass
Band4	3	1732.5	16QAM	1	LOW	20.72	25.78	5.06	13	0.92	21.64	30	Pass
Band4	3	1732.5	16QAM	1	MID	20.73	25.73	5	13	0.92	21.65	30	Pass
Band4	3	1732.5	16QAM	1	HIGH	20.84	25.3	4.46	13	0.92	21.76	30	Pass
Band4	3	1753.5	QPSK	15	LOW	19.83	26.67	6.84	13	0.92	20.75	30	Pass
Band4	3	1753.5	QPSK	8	LOW	19.82	26.13	6.31	13	0.92	20.74	30	Pass
Band4	3	1753.5	QPSK	8	MID	19.82	26.1	6.28	13	0.92	20.74	30	Pass
Band4	3	1753.5	QPSK	8	HIGH	19.83	26.06	6.23	13	0.92	20.75	30	Pass
Band4	3	1753.5	QPSK	1	LOW	21.01	25.99	4.98	13	0.92	21.93	30	Pass
Band4	3	1753.5	QPSK	1	MID	20.97	25.85	4.88	13	0.92	21.89	30	Pass
Band4	3	1753.5	QPSK	1	HIGH	21.13	25.86	4.73	13	0.92	22.05	30	Pass
Band4	3	1753.5	16QAM	15	LOW	19.11	26.28	7.17	13	0.92	20.03	30	Pass
Band4	3	1753.5	16QAM	8	LOW	19.29	25.82	6.53	13	0.92	20.21	30	Pass
Band4	3	1753.5	16QAM	8	MID	19.16	25.37	6.21	13	0.92	20.08	30	Pass
Band4	3	1753.5	16QAM	8	HIGH	19.19	25.76	6.57	13	0.92	20.11	30	Pass
Band4	3	1753.5	16QAM	1	LOW	20.05	25.29	5.24	13	0.92	20.97	30	Pass
Band4	3	1753.5	16QAM	1	MID	19.97	25.12	5.15	13	0.92	20.89	30	Pass
Band4	3	1753.5	16QAM	1	HIGH	20.09	25.14	5.05	13	0.92	21.01	30	Pass
Band4	5	1712.5	QPSK	25	LOW	19.96	26.52	6.56	13	0.92	20.88	30	Pass
Band4	5	1712.5	QPSK	12	LOW	20.12	26.39	6.27	13	0.92	21.04	30	Pass

Band4	5	1712.5	QPSK	12	MID	20.25	26.42	6.17	13	0.92	21.17	30	Pass
Band4	5	1712.5	QPSK	12	HIGH	19.98	26.11	6.13	13	0.92	20.9	30	Pass
Band4	5	1712.5	QPSK	1	LOW	20.86	27.07	6.21	13	0.92	21.78	30	Pass
Band4	5	1712.5	QPSK	1	MID	21.06	27.12	6.06	13	0.92	21.98	30	Pass
Band4	5	1712.5	QPSK	1	HIGH	21.12	26.95	5.83	13	0.92	22.04	30	Pass
Band4	5	1712.5	16QAM	25	LOW	19.39	26.81	7.42	13	0.92	20.31	30	Pass
Band4	5	1712.5	16QAM	12	LOW	19.11	26.69	7.58	13	0.92	20.03	30	Pass
Band4	5	1712.5	16QAM	12	MID	19.09	26.8	7.71	13	0.92	20.01	30	Pass
Band4	5	1712.5	16QAM	12	HIGH	19.51	26.93	7.42	13	0.92	20.43	30	Pass
Band4	5	1712.5	16QAM	1	LOW	19.29	25.36	6.07	13	0.92	20.21	30	Pass
Band4	5	1712.5	16QAM	1	MID	19.33	25.38	6.05	13	0.92	20.25	30	Pass
Band4	5	1712.5	16QAM	1	HIGH	19.23	25.3	6.07	13	0.92	20.15	30	Pass
Band4	5	1732.5	QPSK	25	LOW	19.79	26.23	6.44	13	0.92	20.71	30	Pass
Band4	5	1732.5	QPSK	12	LOW	19.96	25.92	5.96	13	0.92	20.88	30	Pass
Band4	5	1732.5	QPSK	12	MID	19.96	25.83	5.87	13	0.92	20.88	30	Pass
Band4	5	1732.5	QPSK	12	HIGH	19.9	26.08	6.18	13	0.92	20.82	30	Pass
Band4	5	1732.5	QPSK	1	LOW	21.11	25.94	4.83	13	0.92	22.03	30	Pass
Band4	5	1732.5	QPSK	1	MID	21.06	25.68	4.62	13	0.92	21.98	30	Pass
Band4	5	1732.5	QPSK	1	HIGH	21	25.78	4.78	13	0.92	21.92	30	Pass
Band4	5	1732.5	16QAM	25	LOW	19.34	26.54	7.2	13	0.92	20.26	30	Pass
Band4	5	1732.5	16QAM	12	LOW	18.97	25.37	6.4	13	0.92	19.89	30	Pass
Band4	5	1732.5	16QAM	12	MID	18.98	25.45	6.47	13	0.92	19.9	30	Pass
Band4	5	1732.5	16QAM	12	HIGH	19.32	25.67	6.35	13	0.92	20.24	30	Pass
Band4	5	1732.5	16QAM	1	LOW	20.09	25.35	5.26	13	0.92	21.01	30	Pass
Band4	5	1732.5	16QAM	1	MID	20.24	25.44	5.2	13	0.92	21.16	30	Pass
Band4	5	1732.5	16QAM	1	HIGH	20.09	25.51	5.42	13	0.92	21.01	30	Pass
Band4	5	1752.5	QPSK	25	LOW	19.71	26.1	6.39	13	0.92	20.63	30	Pass
Band4	5	1752.5	QPSK	12	LOW	19.81	25.8	5.99	13	0.92	20.73	30	Pass
Band4	5	1752.5	QPSK	12	MID	19.8	25.68	5.88	13	0.92	20.72	30	Pass
Band4	5	1752.5	QPSK	12	HIGH	19.82	25.78	5.96	13	0.92	20.74	30	Pass
Band4	5	1752.5	QPSK	1	LOW	20.77	26.16	5.39	13	0.92	21.69	30	Pass
Band4	5	1752.5	QPSK	1	MID	20.74	26.05	5.31	13	0.92	21.66	30	Pass
Band4	5	1752.5	QPSK	1	HIGH	20.73	25.86	5.13	13	0.92	21.65	30	Pass
Band4	5	1752.5	16QAM	25	LOW	18.91	26.32	7.41	13	0.92	19.83	30	Pass
Band4	5	1752.5	16QAM	12	LOW	18.83	25.85	7.02	13	0.92	19.75	30	Pass
Band4	5	1752.5	16QAM	12	MID	18.83	25.81	6.98	13	0.92	19.75	30	Pass
Band4	5	1752.5	16QAM	12	HIGH	19.01	25.68	6.67	13	0.92	19.93	30	Pass
Band4	5	1752.5	16QAM	1	LOW	19.45	25.91	6.46	13	0.92	20.37	30	Pass
Band4	5	1752.5	16QAM	1	MID	19.38	25.74	6.36	13	0.92	20.3	30	Pass
Band4	5	1752.5	16QAM	1	HIGH	19.33	25.64	6.31	13	0.92	20.25	30	Pass
Band4	10	1715	QPSK	50	LOW	19.93	26.46	6.53	13	0.92	20.85	30	Pass
Band4	10	1715	QPSK	25	LOW	19.8	26.4	6.6	13	0.92	20.72	30	Pass
Band4	10	1715	QPSK	25	MID	19.89	26.45	6.56	13	0.92	20.81	30	Pass
Band4	10	1715	QPSK	25	HIGH	19.9	26.18	6.28	13	0.92	20.82	30	Pass
Band4	10	1715	QPSK	1	LOW	20.79	25.99	5.2	13	0.92	21.71	30	Pass
Band4	10	1715	QPSK	1	MID	21.04	25.99	4.95	13	0.92	21.96	30	Pass

Band4	10	1715	QPSK	1	HIGH	20.95	25.7	4.75	13	0.92	21.87	30	Pass
Band4	10	1715	16QAM	50	LOW	18.95	26.83	7.88	13	0.92	19.87	30	Pass
Band4	10	1715	16QAM	25	LOW	19.47	26.88	7.41	13	0.92	20.39	30	Pass
Band4	10	1715	16QAM	25	MID	19.47	26.8	7.33	13	0.92	20.39	30	Pass
Band4	10	1715	16QAM	25	HIGH	18.99	26.27	7.28	13	0.92	19.91	30	Pass
Band4	10	1715	16QAM	1	LOW	20.44	26.89	6.45	13	0.92	21.36	30	Pass
Band4	10	1715	16QAM	1	MID	20.38	26.58	6.2	13	0.92	21.3	30	Pass
Band4	10	1715	16QAM	1	HIGH	20.27	26.18	5.91	13	0.92	21.19	30	Pass
Band4	10	1732.5	QPSK	50	LOW	19.8	26.04	6.24	13	0.92	20.72	30	Pass
Band4	10	1732.5	QPSK	25	LOW	19.88	25.63	5.75	13	0.92	20.8	30	Pass
Band4	10	1732.5	QPSK	25	MID	19.89	25.67	5.78	13	0.92	20.81	30	Pass
Band4	10	1732.5	QPSK	25	HIGH	20.01	26.03	6.02	13	0.92	20.93	30	Pass
Band4	10	1732.5	QPSK	1	LOW	21.16	25.64	4.48	13	0.92	22.08	30	Pass
Band4	10	1732.5	QPSK	1	MID	21.09	25.68	4.59	13	0.92	22.01	30	Pass
Band4	10	1732.5	QPSK	1	HIGH	21.09	26.04	4.95	13	0.92	22.01	30	Pass
Band4	10	1732.5	16QAM	50	LOW	19.47	26.06	6.59	13	0.92	20.39	30	Pass
Band4	10	1732.5	16QAM	25	LOW	19.06	25.82	6.76	13	0.92	19.98	30	Pass
Band4	10	1732.5	16QAM	25	MID	19.07	25.76	6.69	13	0.92	19.99	30	Pass
Band4	10	1732.5	16QAM	25	HIGH	19.34	26.21	6.87	13	0.92	20.26	30	Pass
Band4	10	1732.5	16QAM	1	LOW	20.04	25.65	5.61	13	0.92	20.96	30	Pass
Band4	10	1732.5	16QAM	1	MID	20.22	24.91	4.69	13	0.92	21.14	30	Pass
Band4	10	1732.5	16QAM	1	HIGH	20.08	25.75	5.67	13	0.92	21	30	Pass
Band4	10	1750	QPSK	50	LOW	19.75	25.96	6.21	13	0.92	20.67	30	Pass
Band4	10	1750	QPSK	25	LOW	20.02	26.8	6.78	13	0.92	20.94	30	Pass
Band4	10	1750	QPSK	25	MID	20.02	26.72	6.7	13	0.92	20.94	30	Pass
Band4	10	1750	QPSK	25	HIGH	19.86	26.47	6.61	13	0.92	20.78	30	Pass
Band4	10	1750	QPSK	1	LOW	21	26.15	5.15	13	0.92	21.92	30	Pass
Band4	10	1750	QPSK	1	MID	21.03	26.05	5.02	13	0.92	21.95	30	Pass
Band4	10	1750	QPSK	1	HIGH	20.93	25.79	4.86	13	0.92	21.85	30	Pass
Band4	10	1750	16QAM	50	LOW	19.25	27	7.75	13	0.92	20.17	30	Pass
Band4	10	1750	16QAM	25	LOW	18.97	26.32	7.35	13	0.92	19.89	30	Pass
Band4	10	1750	16QAM	25	MID	18.97	26.31	7.34	13	0.92	19.89	30	Pass
Band4	10	1750	16QAM	25	HIGH	19.09	26.18	7.09	13	0.92	20.01	30	Pass
Band4	10	1750	16QAM	1	LOW	19.58	24.99	5.41	13	0.92	20.5	30	Pass
Band4	10	1750	16QAM	1	MID	19.58	24.94	5.36	13	0.92	20.5	30	Pass
Band4	10	1750	16QAM	1	HIGH	19.6	24.86	5.26	13	0.92	20.52	30	Pass
Band4	15	1717.5	QPSK	75	LOW	19.96	26.93	6.97	13	0.92	20.88	30	Pass
Band4	15	1717.5	QPSK	38	LOW	19.84	26.83	6.99	13	0.92	20.76	30	Pass
Band4	15	1717.5	QPSK	38	MID	19.85	26.87	7.02	13	0.92	20.77	30	Pass
Band4	15	1717.5	QPSK	38	HIGH	19.84	26.73	6.89	13	0.92	20.76	30	Pass
Band4	15	1717.5	QPSK	1	LOW	20.83	26.03	5.2	13	0.92	21.75	30	Pass
Band4	15	1717.5	QPSK	1	MID	21.07	25.88	4.81	13	0.92	21.99	30	Pass
Band4	15	1717.5	QPSK	1	HIGH	20.93	25.5	4.57	13	0.92	21.85	30	Pass
Band4	15	1717.5	16QAM	75	LOW	19.05	26.37	7.32	13	0.92	19.97	30	Pass
Band4	15	1717.5	16QAM	38	LOW	19.01	26.51	7.5	13	0.92	19.93	30	Pass
Band4	15	1717.5	16QAM	38	MID	19.01	26.52	7.51	13	0.92	19.93	30	Pass

Band4	15	1717.5	16QAM	38	HIGH	19.02	26.49	7.47	13	0.92	19.94	30	Pass
Band4	15	1717.5	16QAM	1	LOW	20.64	27	6.36	13	0.92	21.56	30	Pass
Band4	15	1717.5	16QAM	1	MID	20.63	26.44	5.81	13	0.92	21.55	30	Pass
Band4	15	1717.5	16QAM	1	HIGH	20.43	25.89	5.46	13	0.92	21.35	30	Pass
Band4	15	1732.5	QPSK	75	LOW	19.84	26.51	6.67	13	0.92	20.76	30	Pass
Band4	15	1732.5	QPSK	38	LOW	19.95	26.42	6.47	13	0.92	20.87	30	Pass
Band4	15	1732.5	QPSK	38	MID	19.95	26.62	6.67	13	0.92	20.87	30	Pass
Band4	15	1732.5	QPSK	38	HIGH	19.96	26.61	6.65	13	0.92	20.88	30	Pass
Band4	15	1732.5	QPSK	1	LOW	21.04	25.78	4.74	13	0.92	21.96	30	Pass
Band4	15	1732.5	QPSK	1	MID	21.25	25.78	4.53	13	0.92	22.17	30	Pass
Band4	15	1732.5	QPSK	1	HIGH	21.15	26.22	5.07	13	0.92	22.07	30	Pass
Band4	15	1732.5	16QAM	75	LOW	19.45	26.49	7.04	13	0.92	20.37	30	Pass
Band4	15	1732.5	16QAM	38	LOW	19.36	26.43	7.07	13	0.92	20.28	30	Pass
Band4	15	1732.5	16QAM	38	MID	19.37	26.41	7.04	13	0.92	20.29	30	Pass
Band4	15	1732.5	16QAM	38	HIGH	19.38	26.31	6.93	13	0.92	20.3	30	Pass
Band4	15	1732.5	16QAM	1	LOW	20.07	25.83	5.76	13	0.92	20.99	30	Pass
Band4	15	1732.5	16QAM	1	MID	20.07	24.78	4.71	13	0.92	20.99	30	Pass
Band4	15	1732.5	16QAM	1	HIGH	20.18	25.53	5.35	13	0.92	21.1	30	Pass
Band4	15	1747.5	QPSK	75	LOW	19.76	26.61	6.85	13	0.92	20.68	30	Pass
Band4	15	1747.5	QPSK	38	LOW	19.79	26.71	6.92	13	0.92	20.71	30	Pass
Band4	15	1747.5	QPSK	38	MID	19.79	26.64	6.85	13	0.92	20.71	30	Pass
Band4	15	1747.5	QPSK	38	HIGH	19.76	26.63	6.87	13	0.92	20.68	30	Pass
Band4	15	1747.5	QPSK	1	LOW	20.89	25.99	5.1	13	0.92	21.81	30	Pass
Band4	15	1747.5	QPSK	1	MID	20.91	25.91	5	13	0.92	21.83	30	Pass
Band4	15	1747.5	QPSK	1	HIGH	20.92	25.67	4.75	13	0.92	21.84	30	Pass
Band4	15	1747.5	16QAM	75	LOW	18.98	26.41	7.43	13	0.92	19.9	30	Pass
Band4	15	1747.5	16QAM	38	LOW	18.96	26.52	7.56	13	0.92	19.88	30	Pass
Band4	15	1747.5	16QAM	38	MID	18.97	26.46	7.49	13	0.92	19.89	30	Pass
Band4	15	1747.5	16QAM	38	HIGH	18.98	26.52	7.54	13	0.92	19.9	30	Pass
Band4	15	1747.5	16QAM	1	LOW	20.49	26.24	5.75	13	0.92	21.41	30	Pass
Band4	15	1747.5	16QAM	1	MID	20.3	25.34	5.04	13	0.92	21.22	30	Pass
Band4	15	1747.5	16QAM	1	HIGH	20.45	25.99	5.54	13	0.92	21.37	30	Pass
Band4	20	1720	QPSK	100	LOW	19.84	26.25	6.41	13	0.92	20.76	30	Pass
Band4	20	1720	QPSK	50	LOW	19.86	26.33	6.47	13	0.92	20.78	30	Pass
Band4	20	1720	QPSK	50	MID	19.81	26.29	6.48	13	0.92	20.73	30	Pass
Band4	20	1720	QPSK	50	HIGH	19.84	25.9	6.06	13	0.92	20.76	30	Pass
Band4	20	1720	QPSK	1	LOW	20.88	26.35	5.47	13	0.92	21.8	30	Pass
Band4	20	1720	QPSK	1	MID	21.06	25.85	4.79	13	0.92	21.98	30	Pass
Band4	20	1720	QPSK	1	HIGH	21.05	25.57	4.52	13	0.92	21.97	30	Pass
Band4	20	1720	16QAM	100	LOW	18.96	26.89	7.93	13	0.92	19.88	30	Pass
Band4	20	1720	16QAM	50	LOW	19.12	26.97	7.85	13	0.92	20.04	30	Pass
Band4	20	1720	16QAM	50	MID	19.11	26.97	7.86	13	0.92	20.03	30	Pass
Band4	20	1720	16QAM	50	HIGH	19.1	26.25	7.15	13	0.92	20.02	30	Pass
Band4	20	1720	16QAM	1	LOW	20.26	27.03	6.77	13	0.92	21.18	30	Pass
Band4	20	1720	16QAM	1	MID	20.26	25.71	5.45	13	0.92	21.18	30	Pass
Band4	20	1720	16QAM	1	HIGH	20.13	26.4	6.27	13	0.92	21.05	30	Pass

Band4	20	1732.5	QPSK	100	LOW	19.89	26.3	6.41	13	0.92	20.81	30	Pass
Band4	20	1732.5	QPSK	50	LOW	19.96	25.87	5.91	13	0.92	20.88	30	Pass
Band4	20	1732.5	QPSK	50	MID	19.96	25.8	5.84	13	0.92	20.88	30	Pass
Band4	20	1732.5	QPSK	50	HIGH	19.89	26.19	6.3	13	0.92	20.81	30	Pass
Band4	20	1732.5	QPSK	1	LOW	21.07	26.67	5.6	13	0.92	21.99	30	Pass
Band4	20	1732.5	QPSK	1	MID	21.1	25.59	4.49	13	0.92	22.02	30	Pass
Band4	20	1732.5	QPSK	1	HIGH	21.06	26.88	5.82	13	0.92	21.98	30	Pass
Band4	20	1732.5	16QAM	100	LOW	19.25	26.46	7.21	13	0.92	20.17	30	Pass
Band4	20	1732.5	16QAM	50	LOW	18.96	25.85	6.89	13	0.92	19.88	30	Pass
Band4	20	1732.5	16QAM	50	MID	18.97	25.83	6.86	13	0.92	19.89	30	Pass
Band4	20	1732.5	16QAM	50	HIGH	18.96	26.2	7.24	13	0.92	19.88	30	Pass
Band4	20	1732.5	16QAM	1	LOW	20.01	25.83	5.82	13	0.92	20.93	30	Pass
Band4	20	1732.5	16QAM	1	MID	19.95	25.76	5.81	13	0.92	20.87	30	Pass
Band4	20	1732.5	16QAM	1	HIGH	19.91	26.4	6.49	13	0.92	20.83	30	Pass
Band4	20	1745	QPSK	100	LOW	19.77	26.52	6.75	13	0.92	20.69	30	Pass
Band4	20	1745	QPSK	50	LOW	19.85	26.38	6.53	13	0.92	20.77	30	Pass
Band4	20	1745	QPSK	50	MID	19.86	26.35	6.49	13	0.92	20.78	30	Pass
Band4	20	1745	QPSK	50	HIGH	19.86	26.31	6.45	13	0.92	20.78	30	Pass
Band4	20	1745	QPSK	1	LOW	21.06	26.67	5.61	13	0.92	21.98	30	Pass
Band4	20	1745	QPSK	1	MID	21.01	26.29	5.28	13	0.92	21.93	30	Pass
Band4	20	1745	QPSK	1	HIGH	20.91	25.99	5.08	13	0.92	21.83	30	Pass
Band4	20	1745	16QAM	100	LOW	19.04	26.72	7.68	13	0.92	19.96	30	Pass
Band4	20	1745	16QAM	50	LOW	19.26	26.53	7.27	13	0.92	20.18	30	Pass
Band4	20	1745	16QAM	50	MID	19.26	26.56	7.3	13	0.92	20.18	30	Pass
Band4	20	1745	16QAM	50	HIGH	19.31	26.6	7.29	13	0.92	20.23	30	Pass
Band4	20	1745	16QAM	1	LOW	20.67	26.27	5.6	13	0.92	21.59	30	Pass
Band4	20	1745	16QAM	1	MID	20.72	26.73	6.01	13	0.92	21.64	30	Pass
Band4	20	1745	16QAM	1	HIGH	20.58	26.76	6.18	13	0.92	21.5	30	Pass