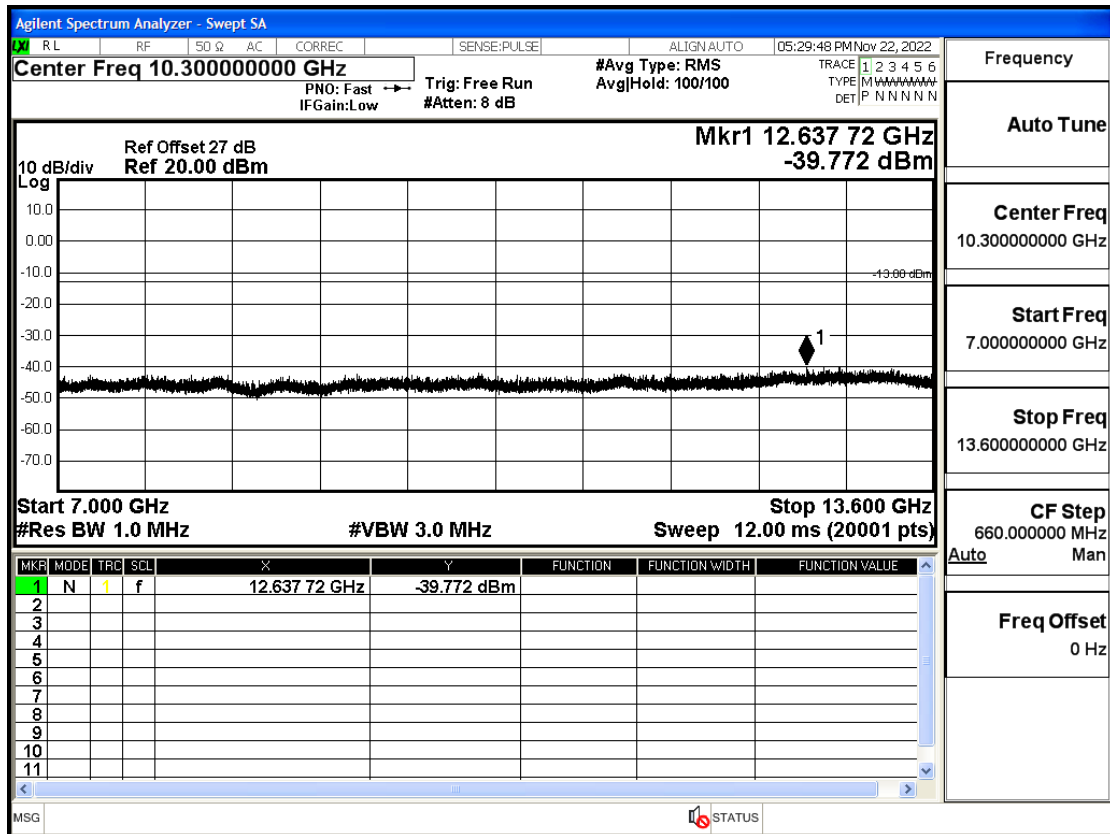
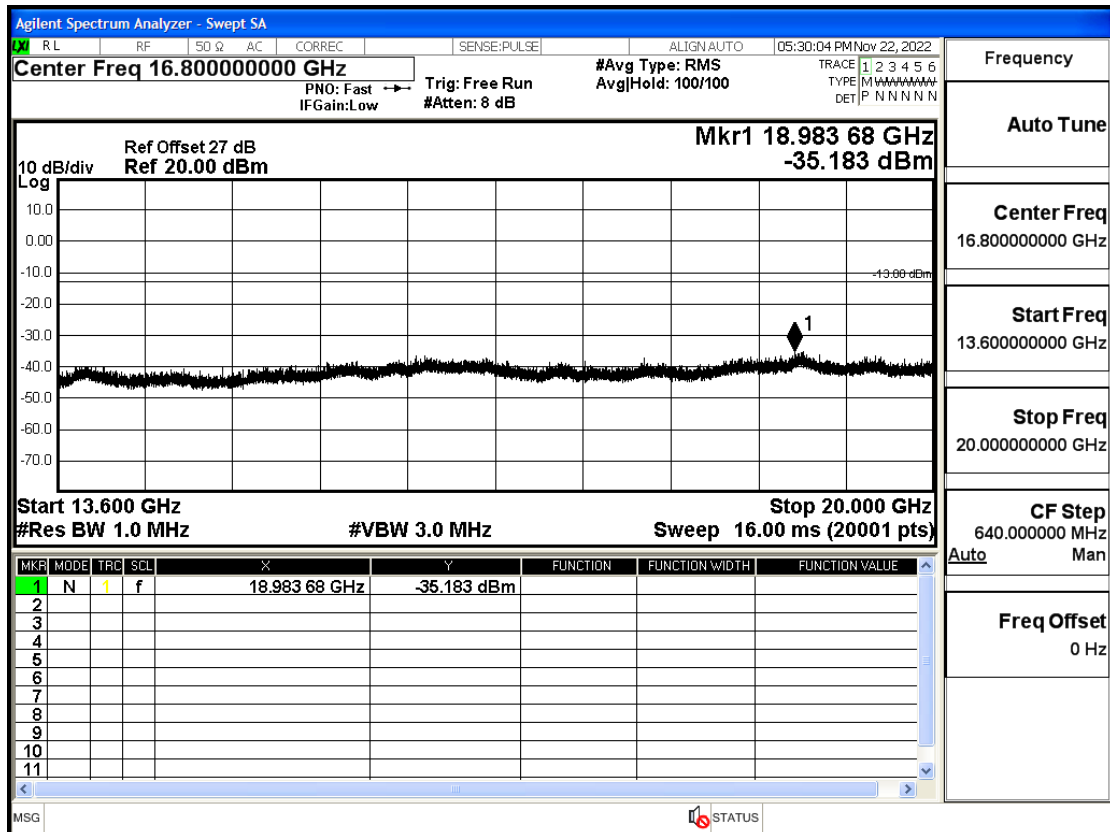


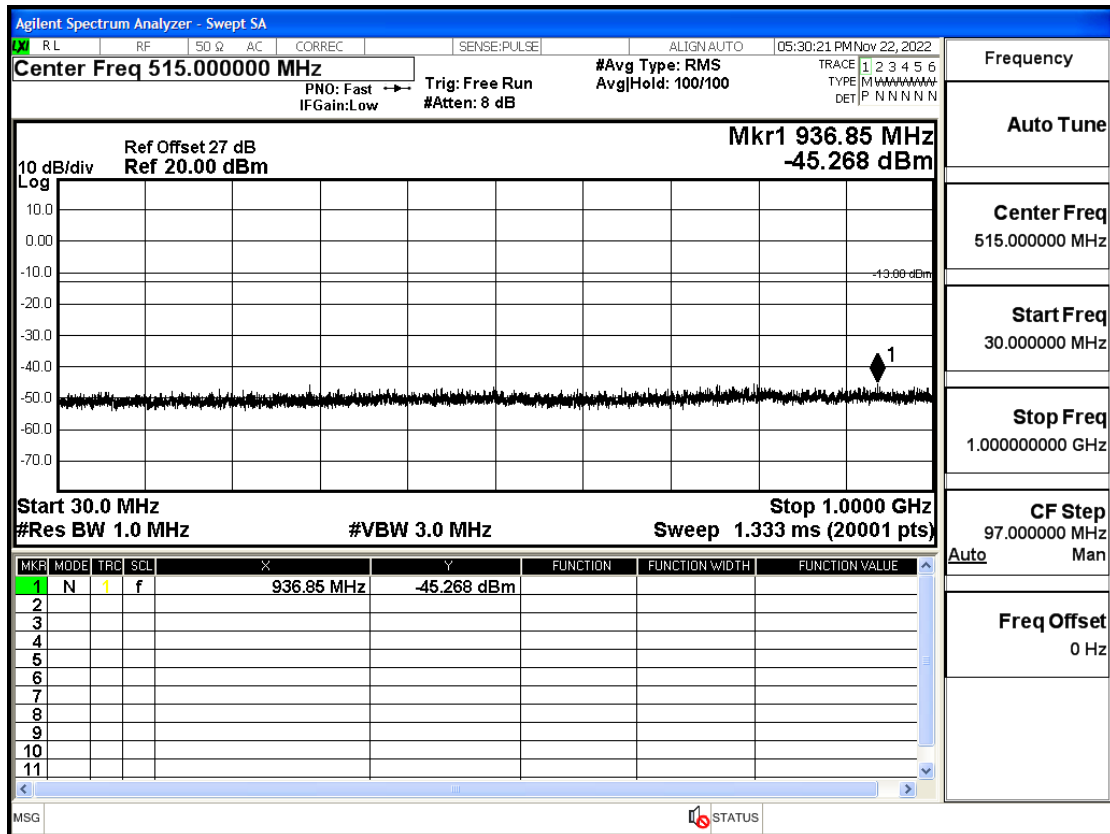
OB4-1.4-1732.5-Q16-6#LOW@7GHz-13.6GHz@Pass



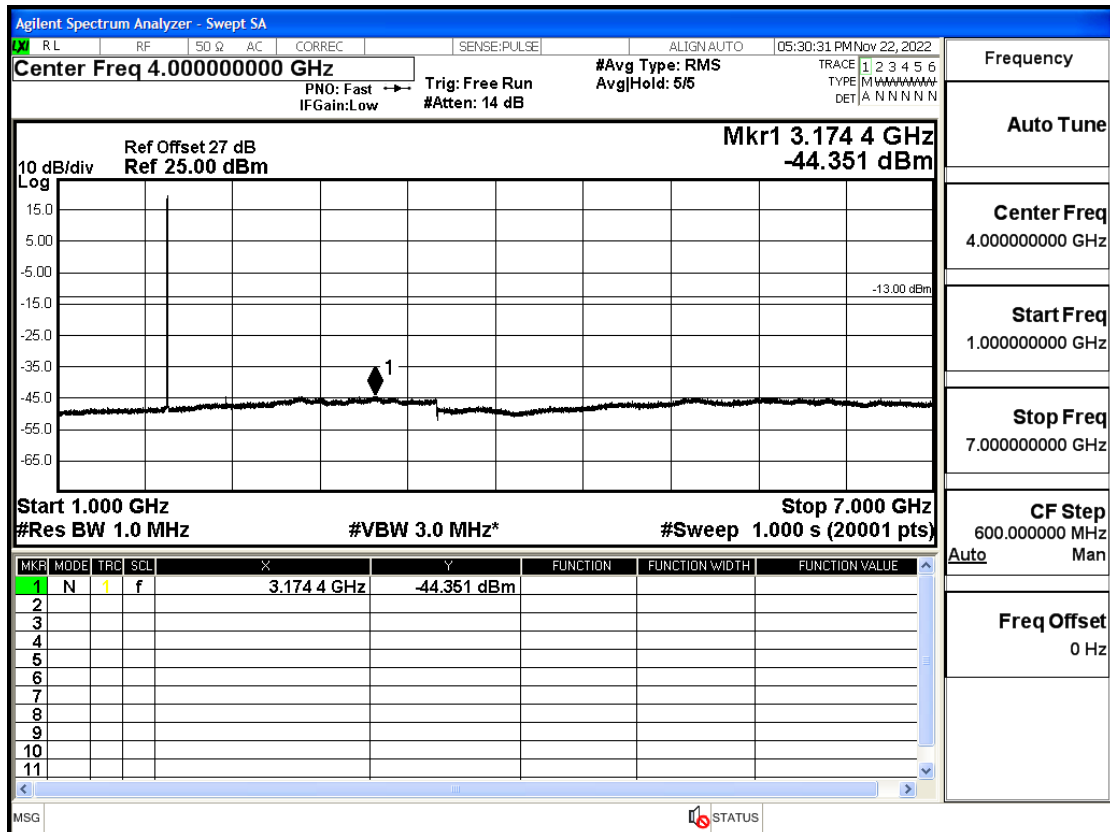
OB4-1.4-1732.5-Q16-6#LOW@13.6GHz-20GHz@Pass



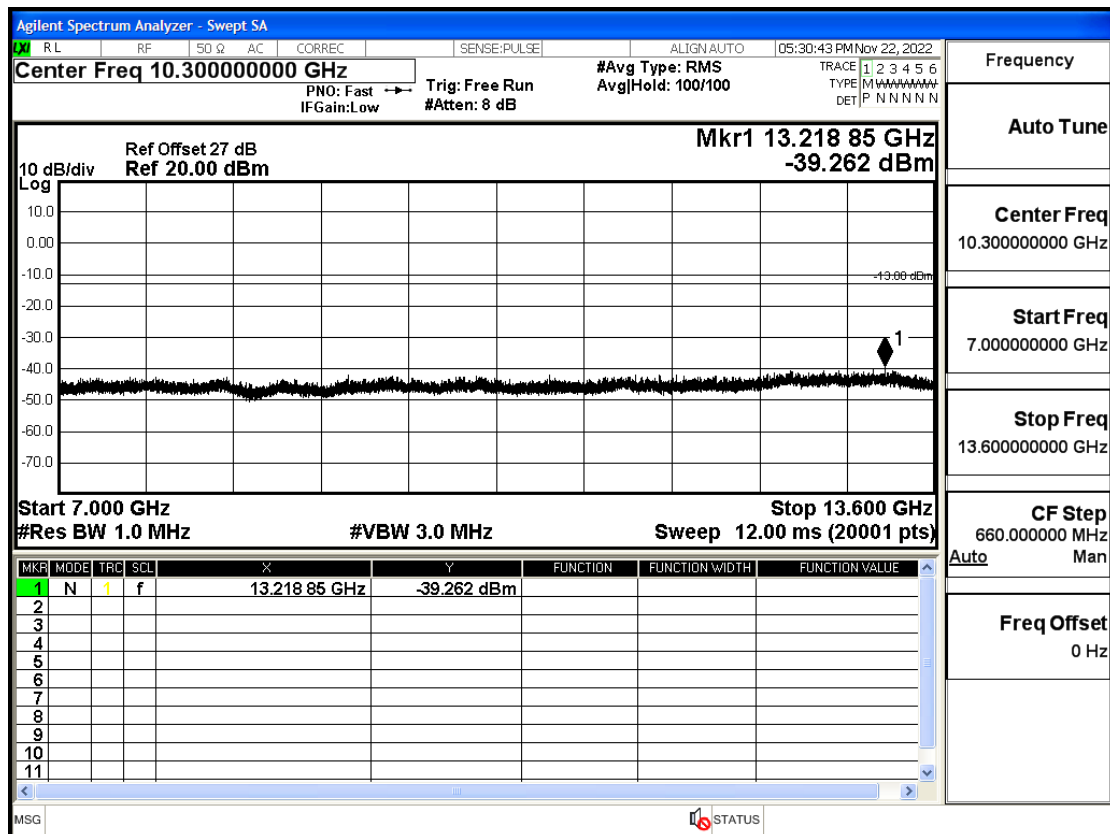
OB4-1.4-1754.3-Q16-6#LOW@30mHz-1GHz@Pass



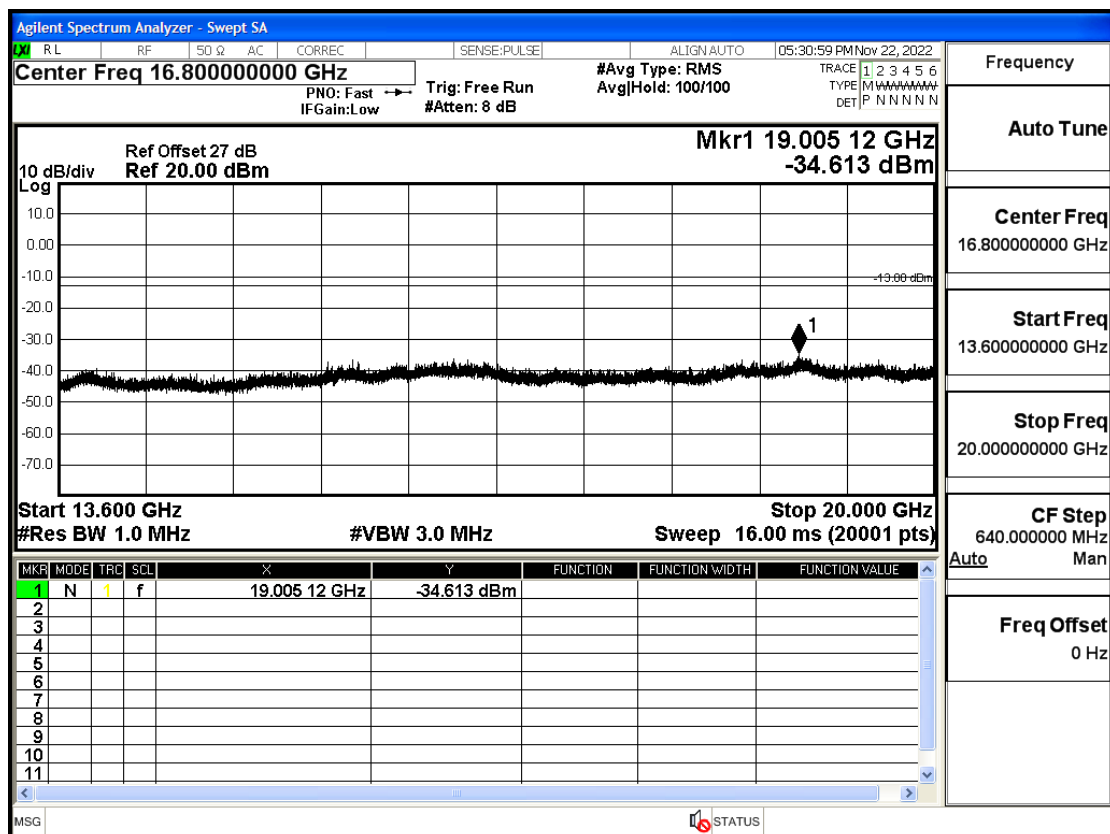
OB4-1.4-1754.3-Q16-6#LOW@1GHz-7GHz@Pass



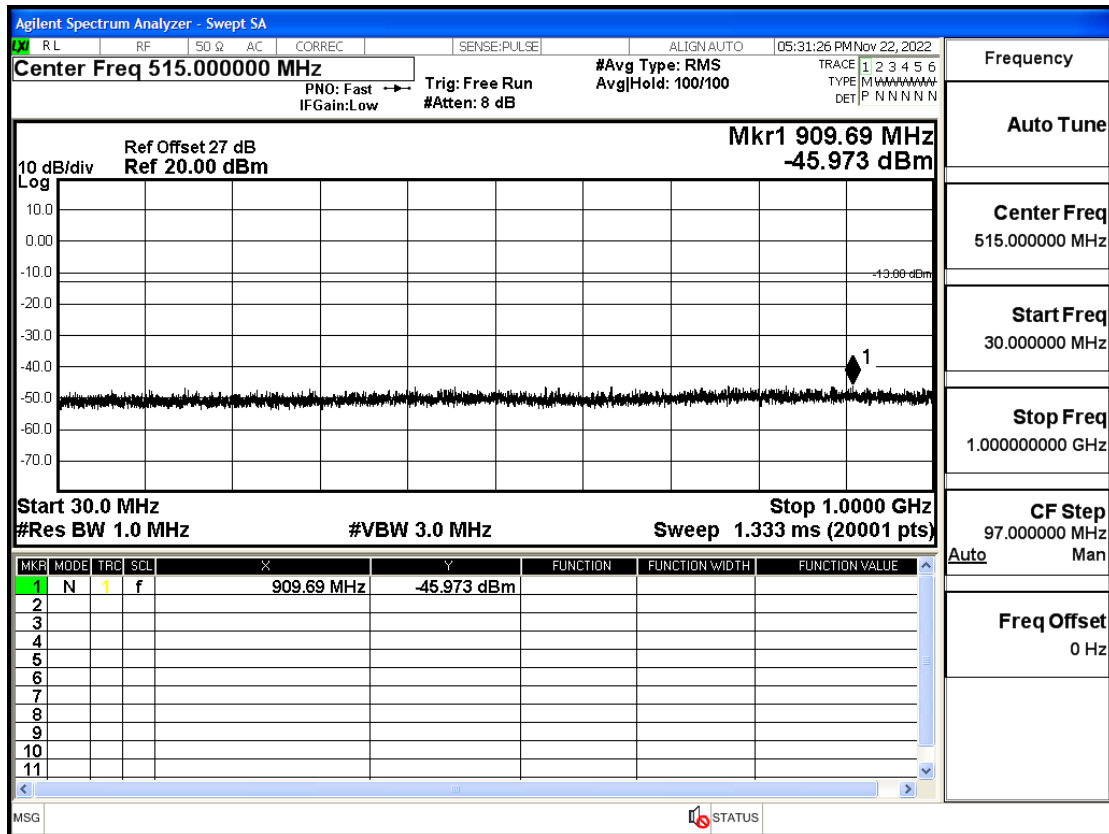
OB4-1.4-1754.3-Q16-6#LOW@7GHz-13.6GHz@Pass



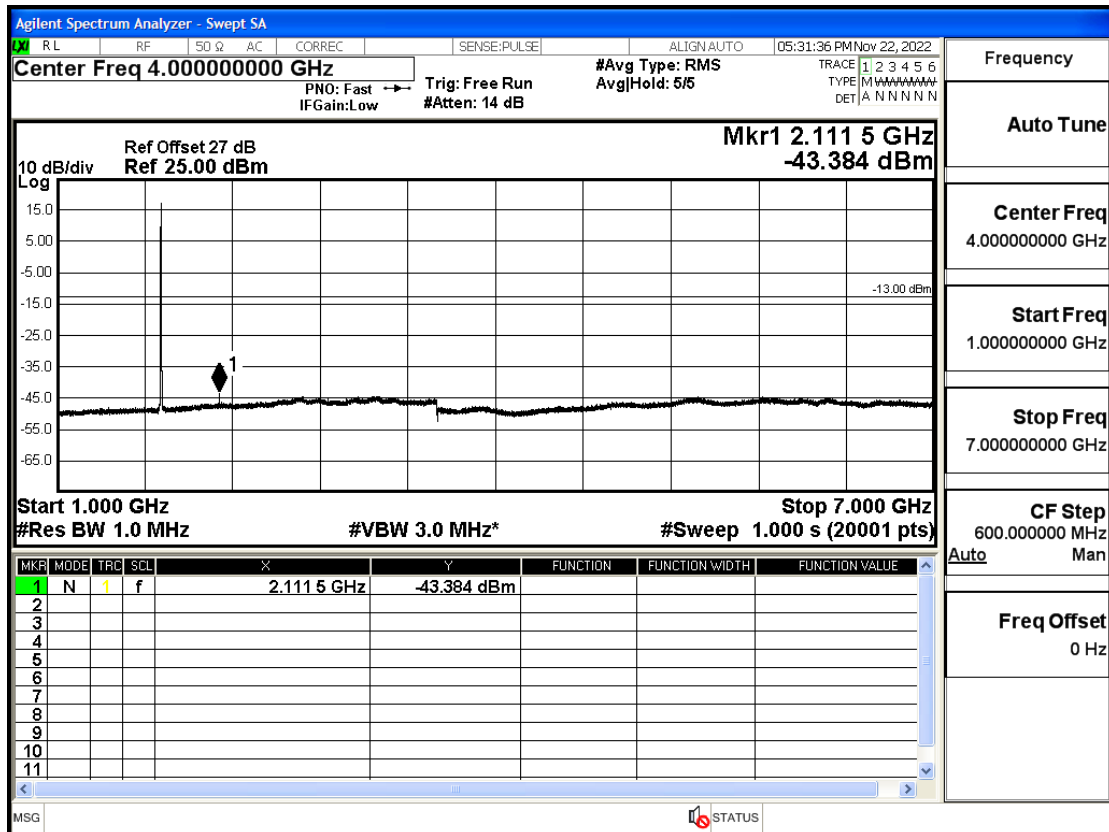
OB4-1.4-1754.3-Q16-6#LOW@13.6GHz-20GHz@Pass



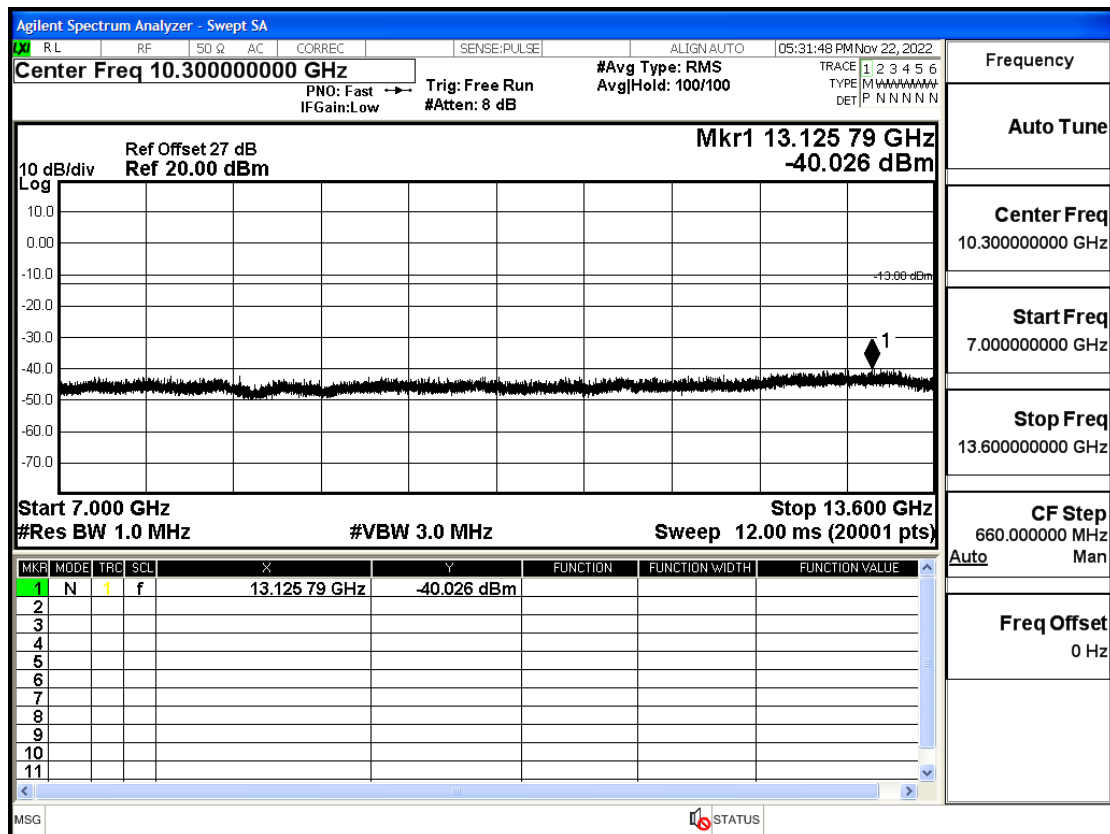
OB4-3-1711.5-Q16-15#LOW@30mHz-1GHz@Pass



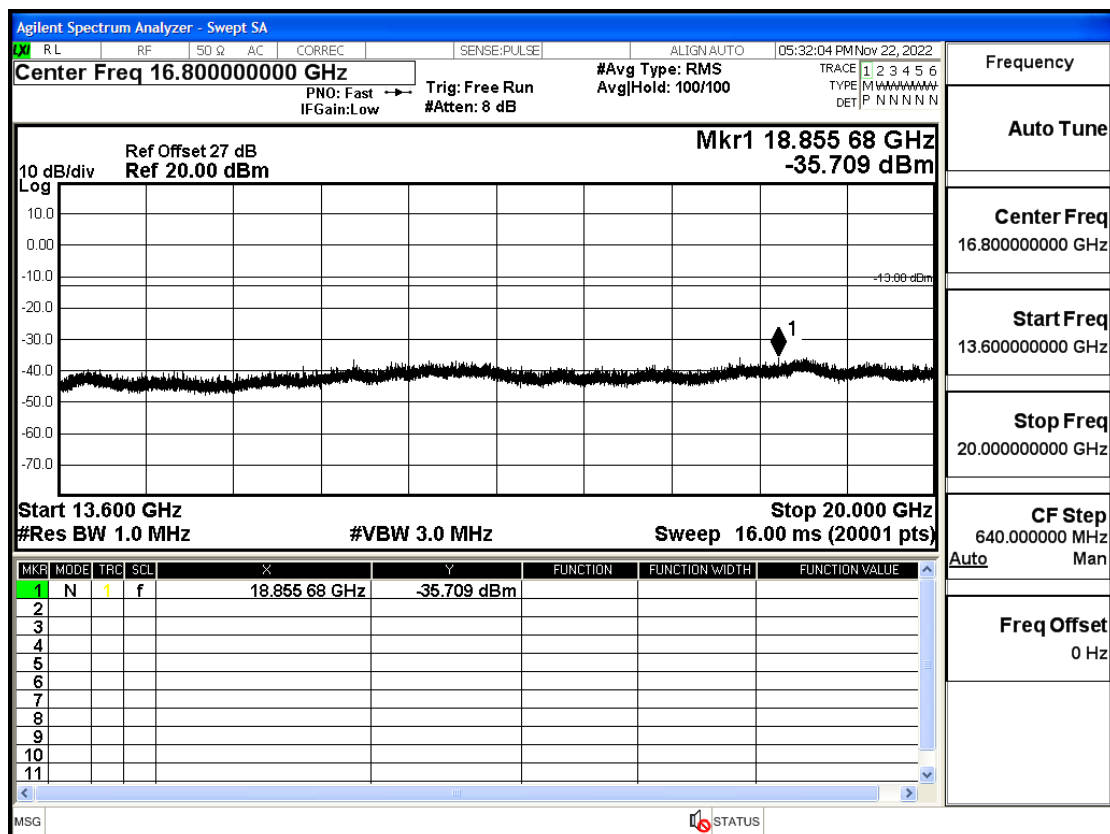
OB4-3-1711.5-Q16-15#LOW@1GHz-7GHz@Pass



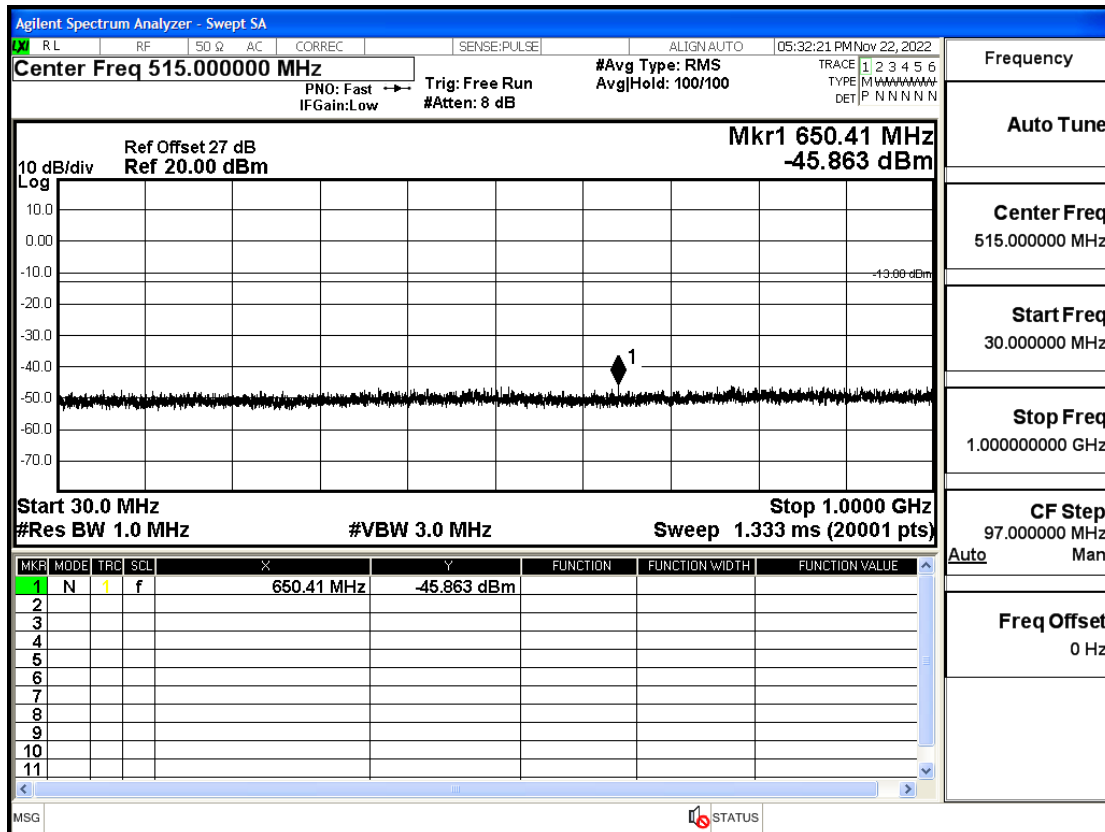
OB4-3-1711.5-Q16-15#LOW@7GHz-13.6GHz@Pass



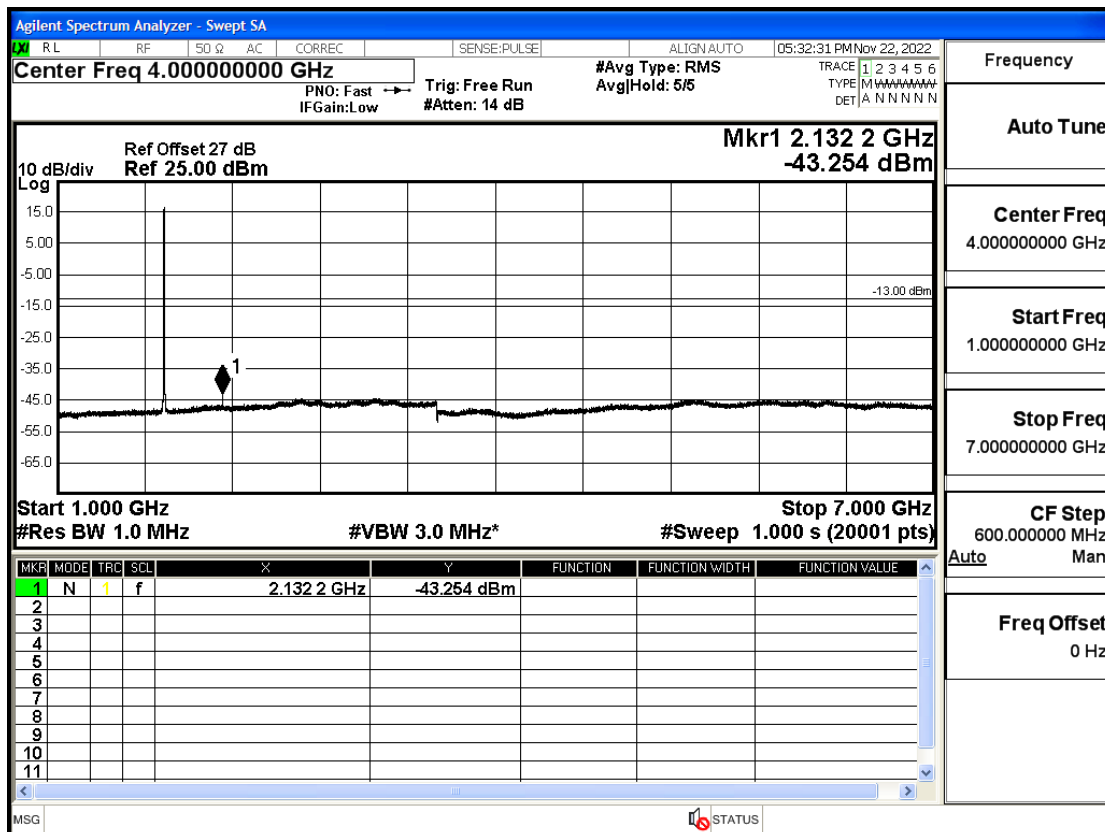
OB4-3-1711.5-Q16-15#LOW@13.6GHz-20GHz@Pass



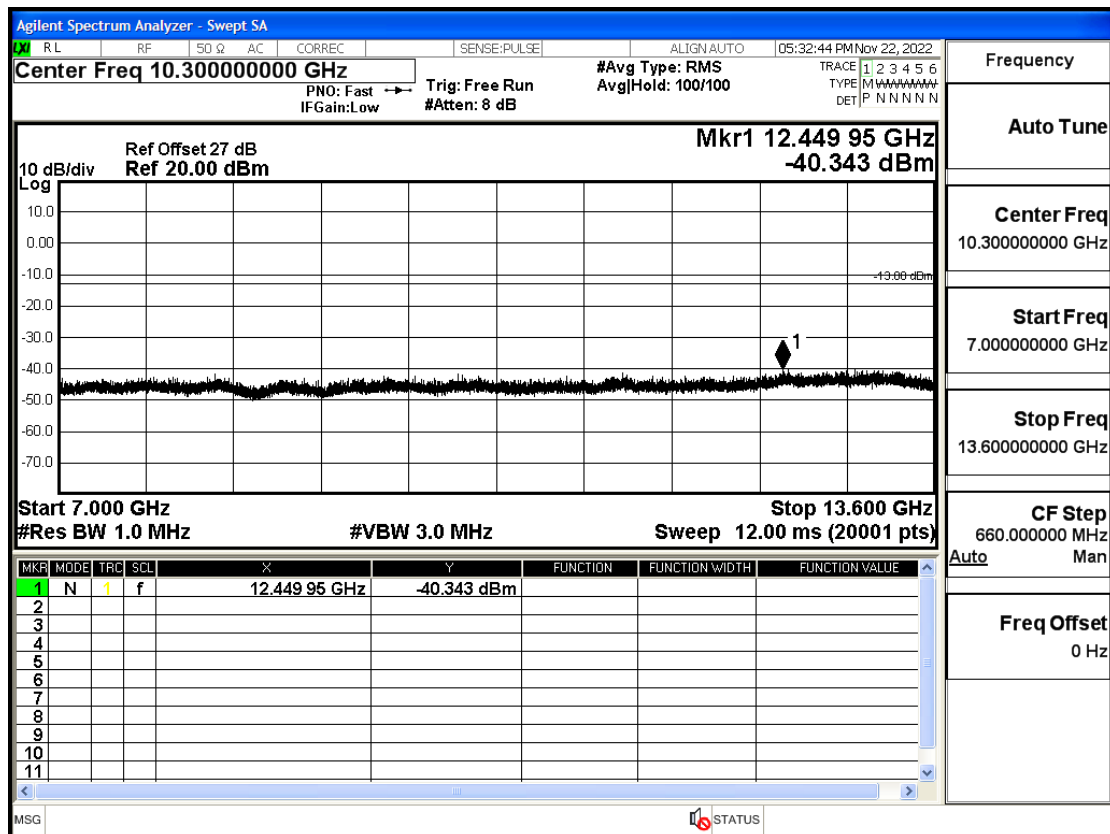
OB4-3-1732.5-Q16-15#LOW@30mHz-1GHz@Pass



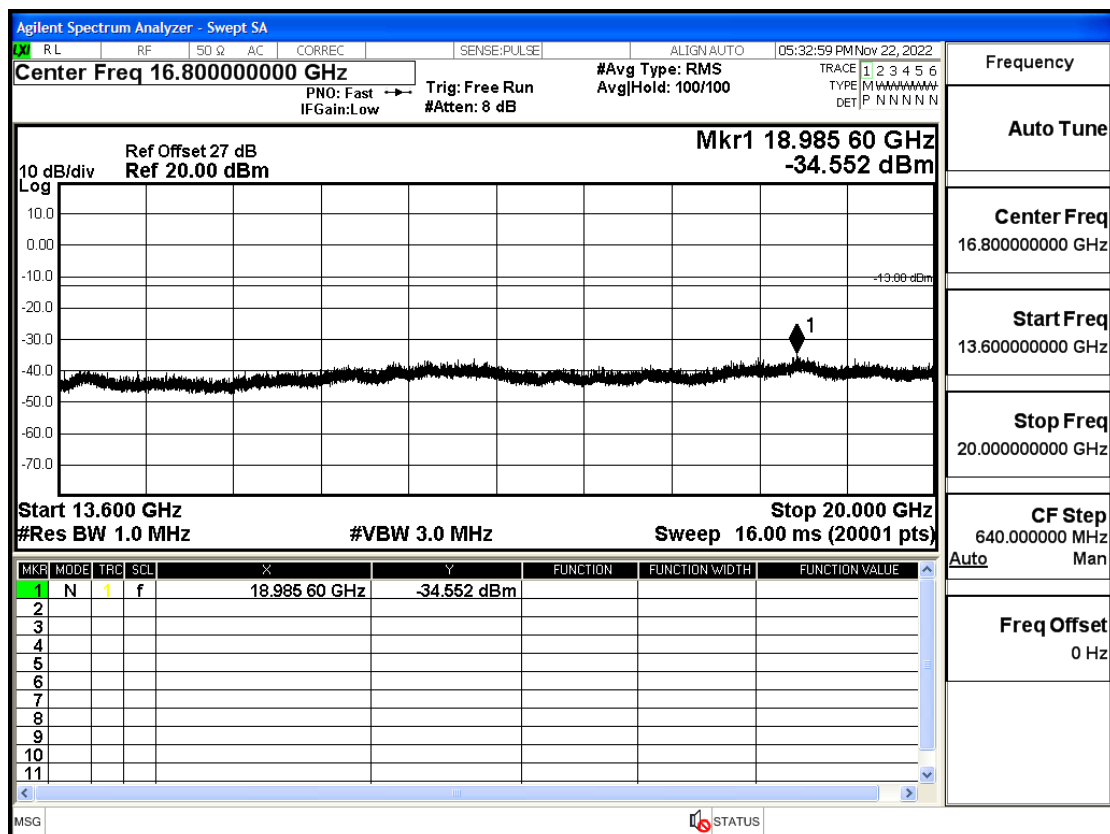
OB4-3-1732.5-Q16-15#LOW@1GHz-7GHz@Pass



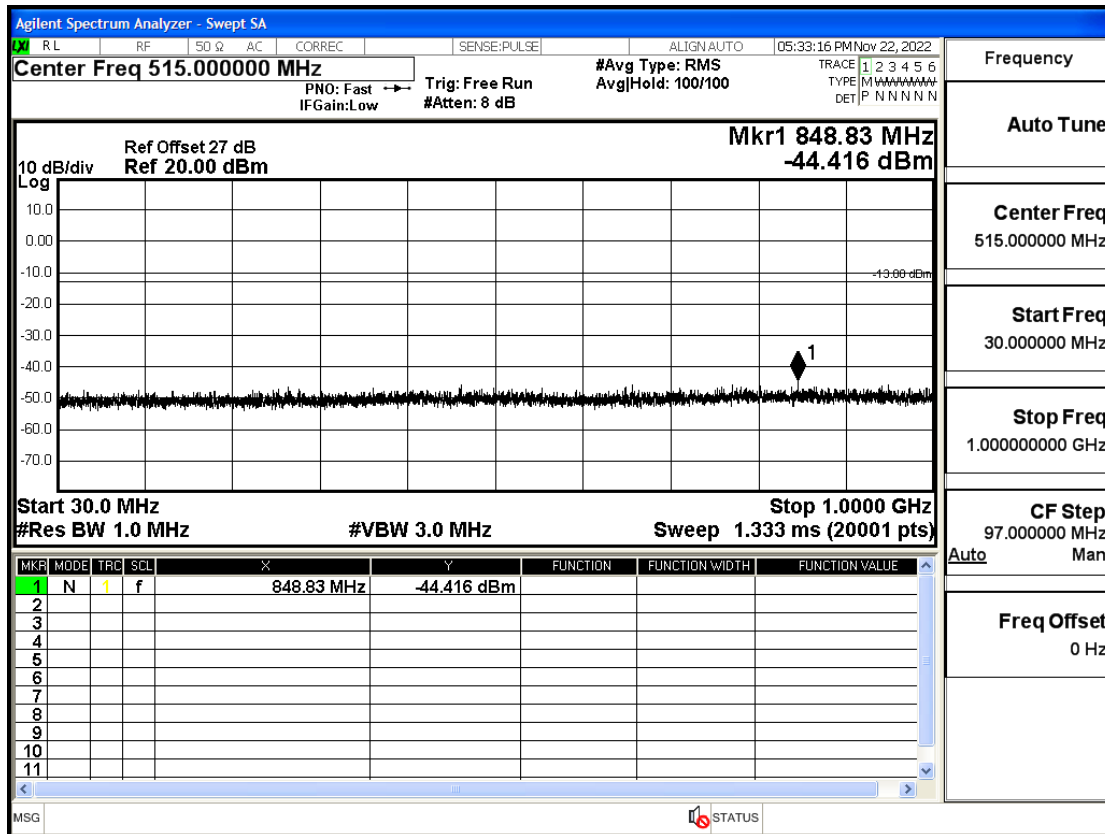
OB4-3-1732.5-Q16-15#LOW@7GHz-13.6GHz@Pass



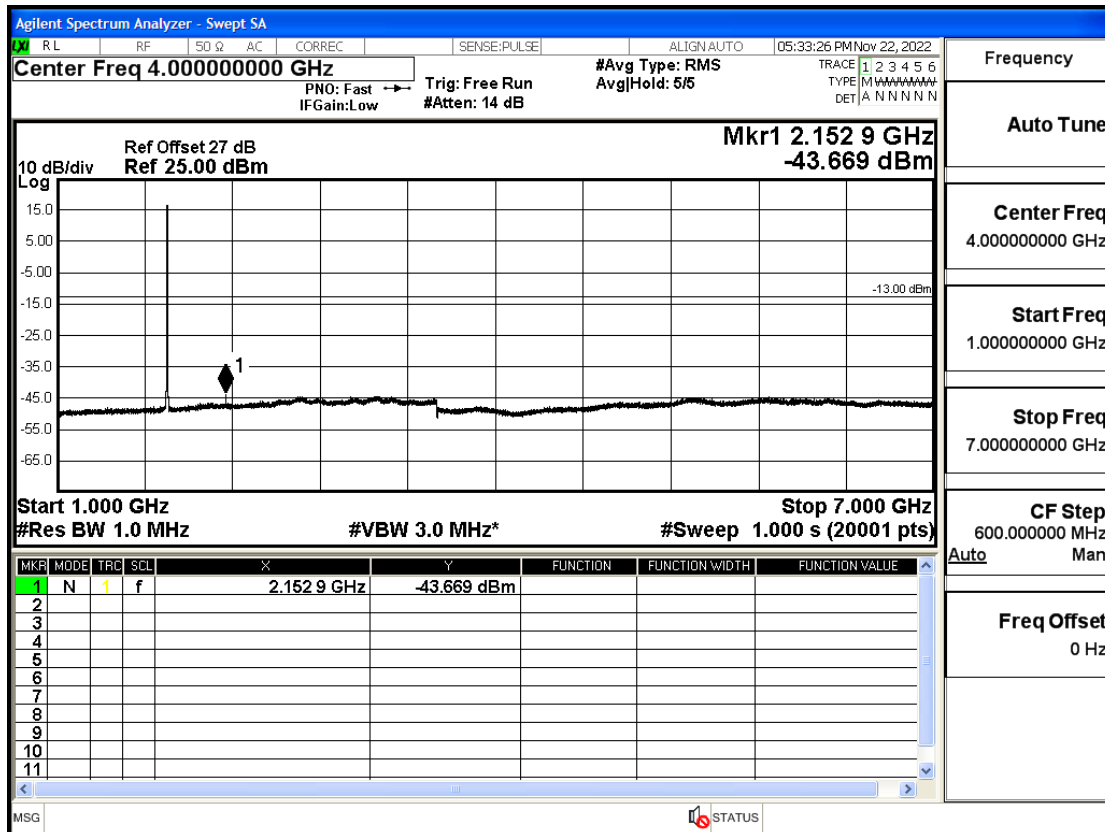
OB4-3-1732.5-Q16-15#LOW@13.6GHz-20GHz@Pass



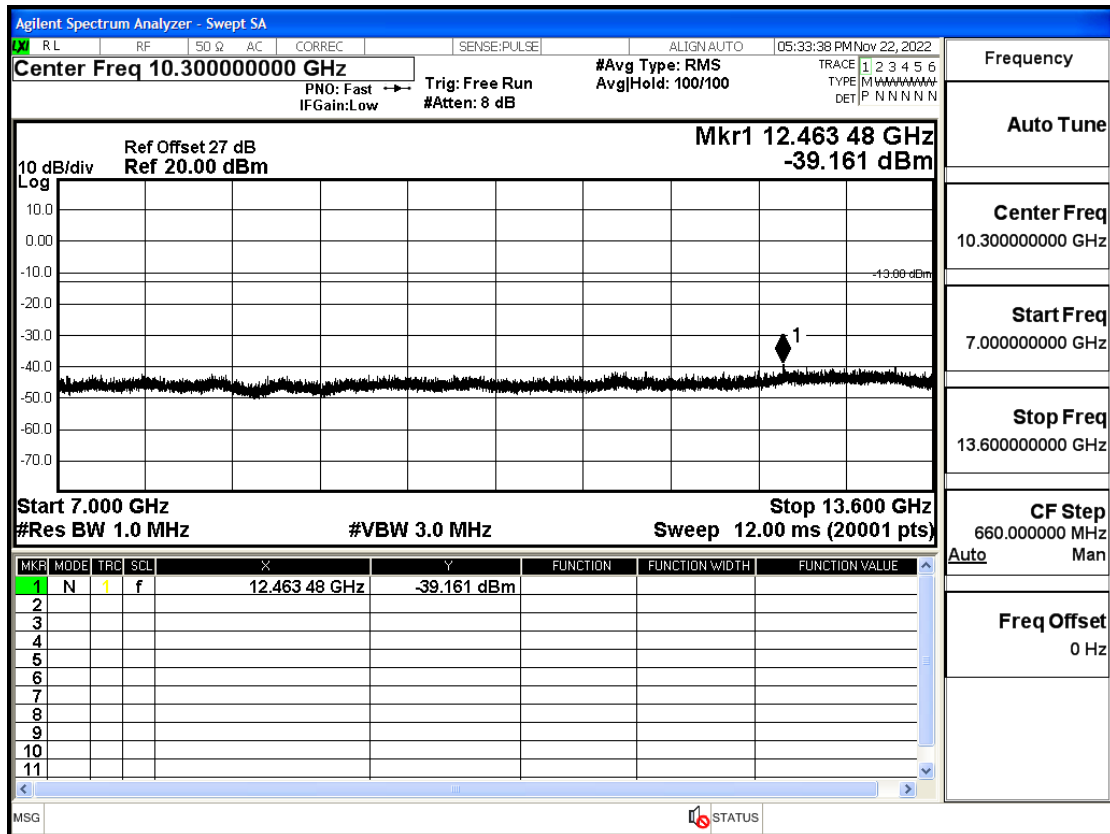
OB4-3-1753.5-Q16-15#LOW@30mHz-1GHz@Pass



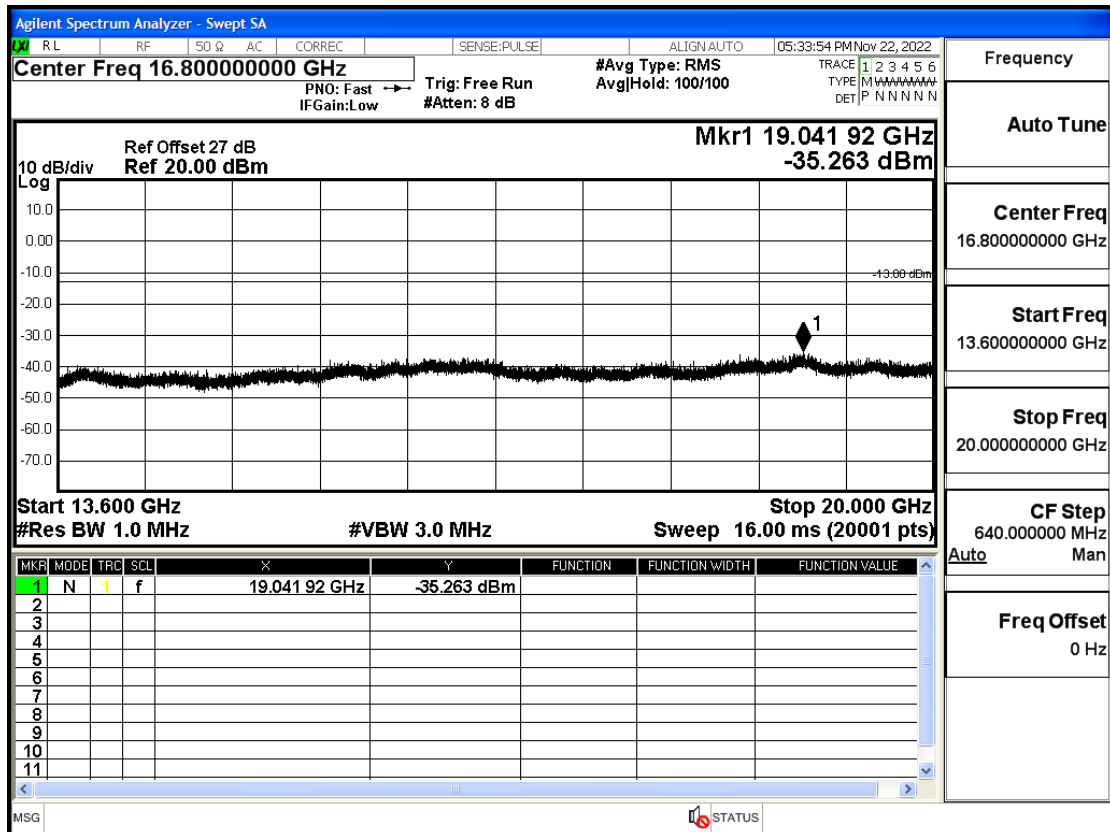
OB4-3-1753.5-Q16-15#LOW@1GHz-7GHz@Pass



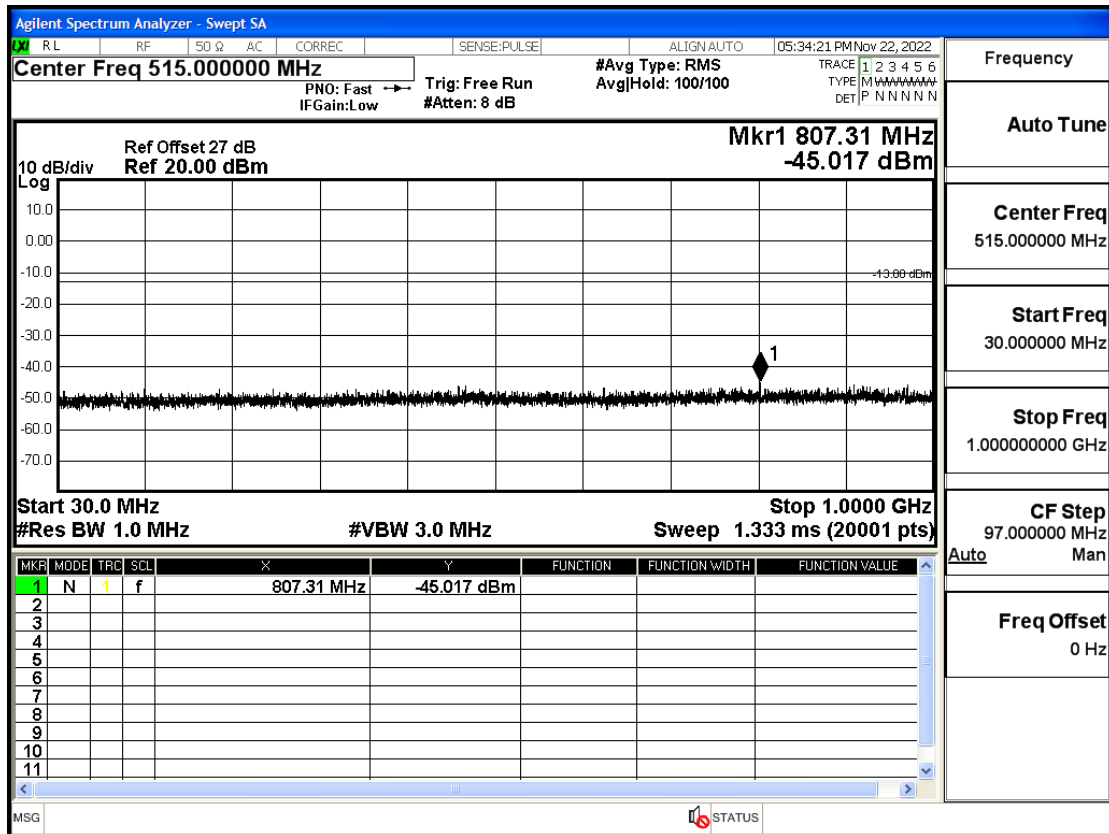
OB4-3-1753.5-Q16-15#LOW@7GHz-13.6GHz@Pass



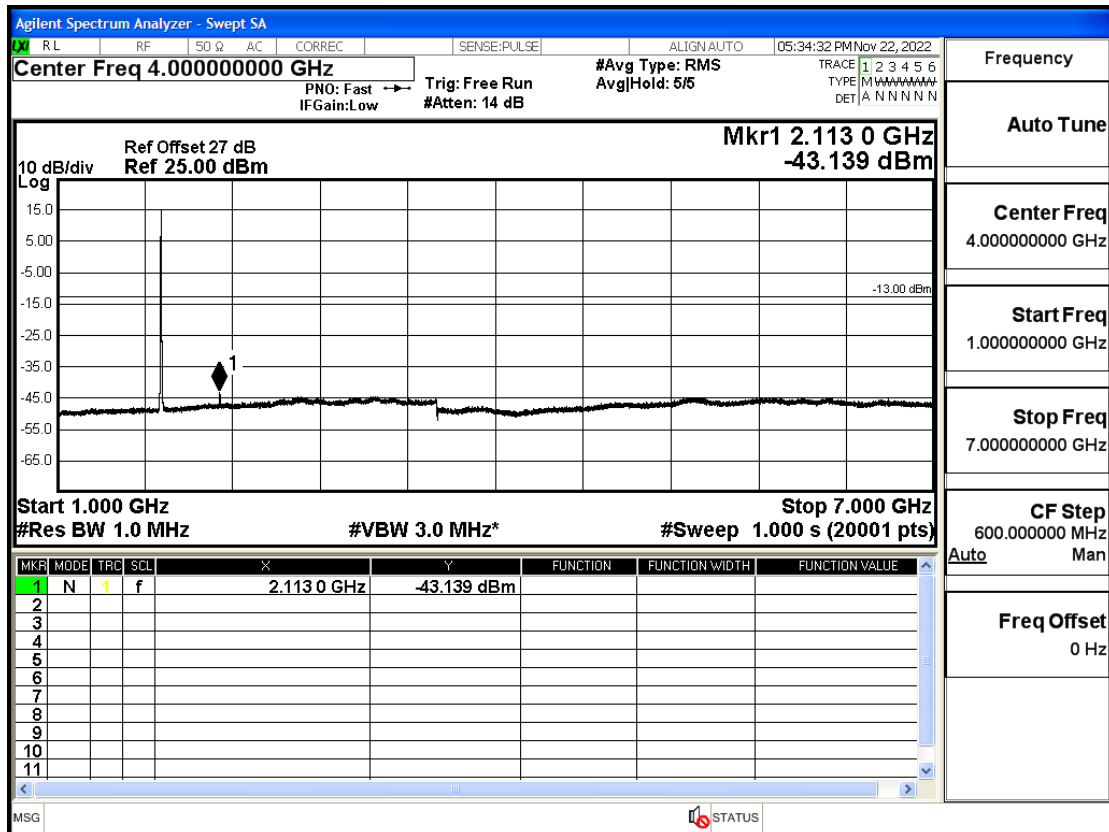
OB4-3-1753.5-Q16-15#LOW@13.6GHz-20GHz@Pass



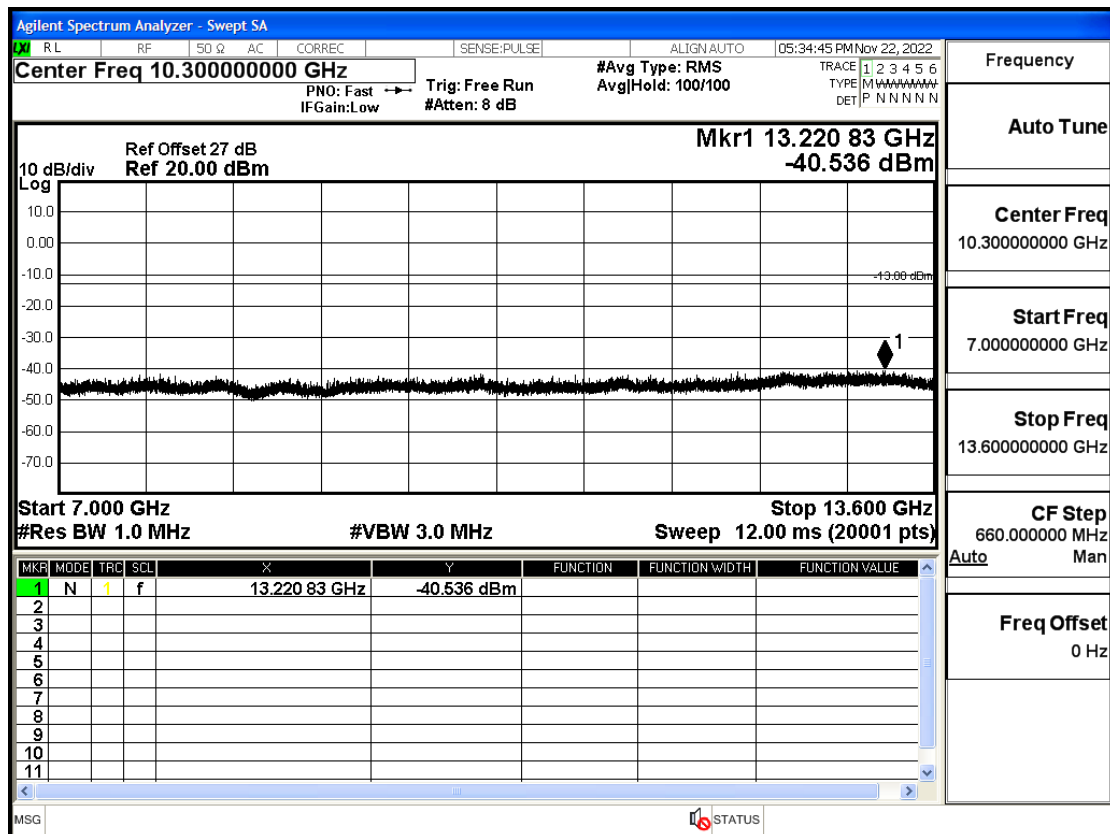
OB4-5-1712.5-Q16-25#LOW@30mHz-1GHz@Pass



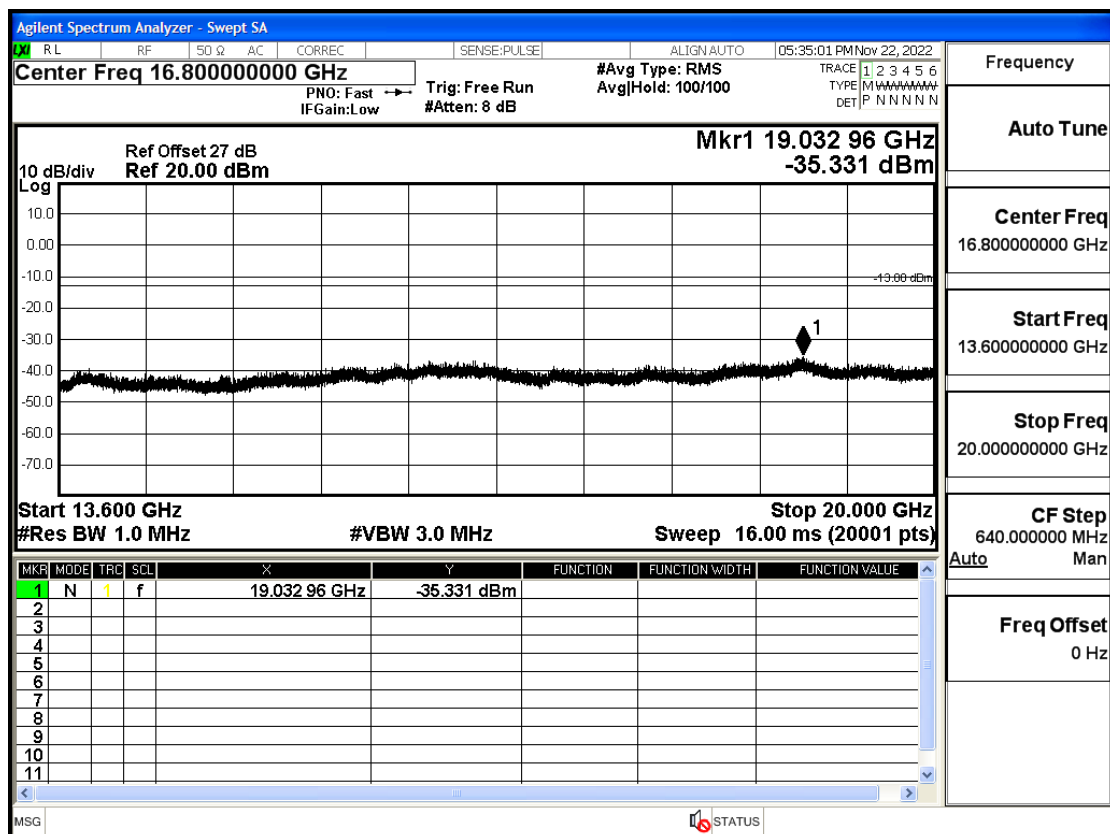
OB4-5-1712.5-Q16-25#LOW@1GHz-7GHz@Pass



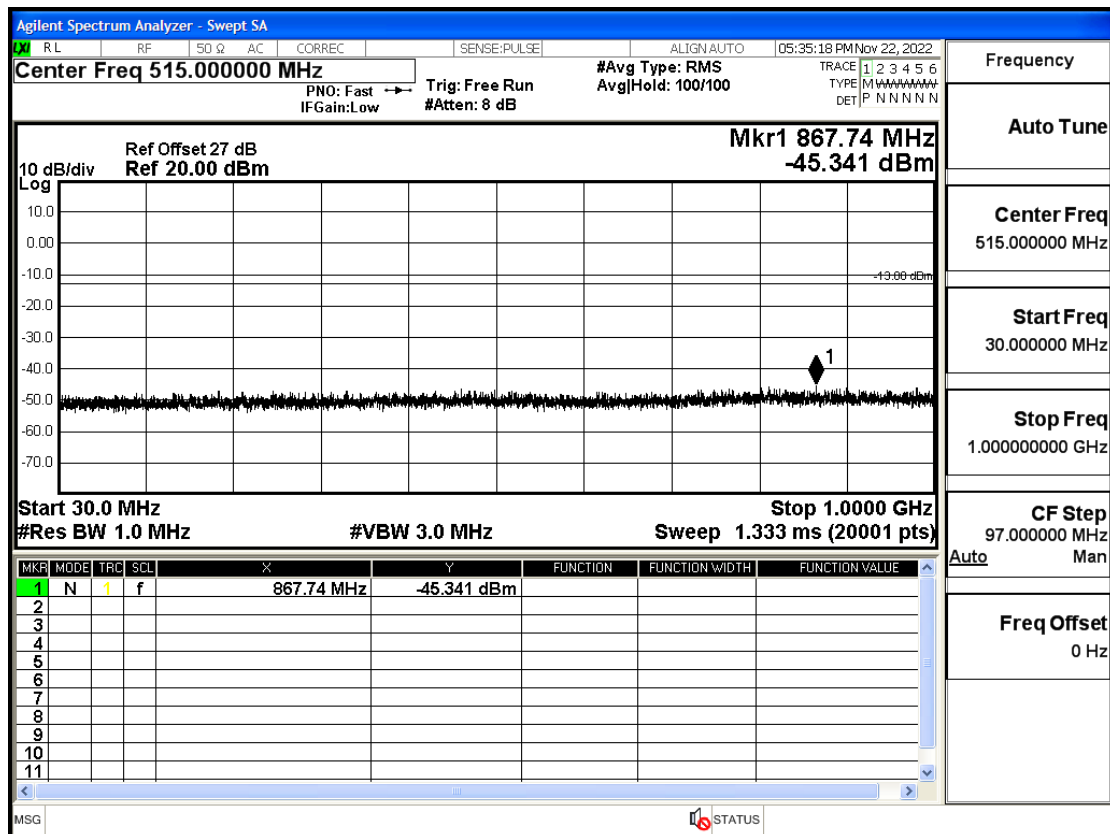
OB4-5-1712.5-Q16-25#LOW@7GHz-13.6GHz@Pass



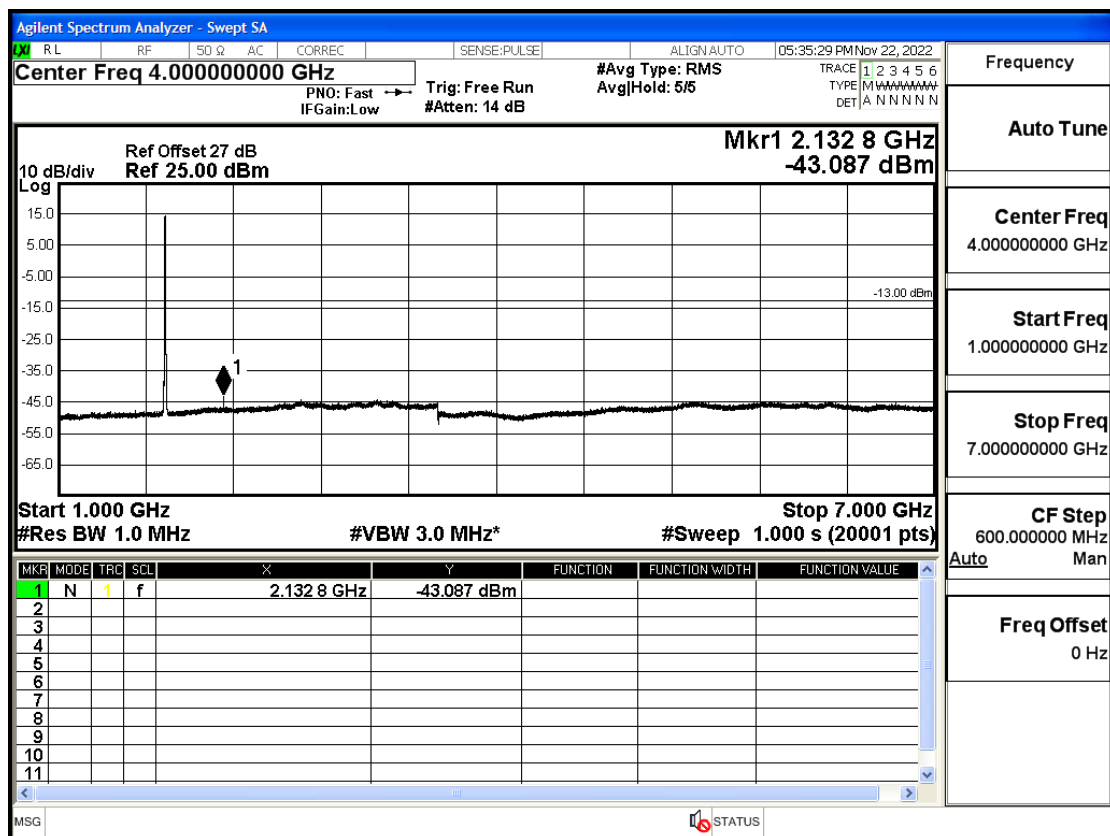
OB4-5-1712.5-Q16-25#LOW@13.6GHz-20GHz@Pass



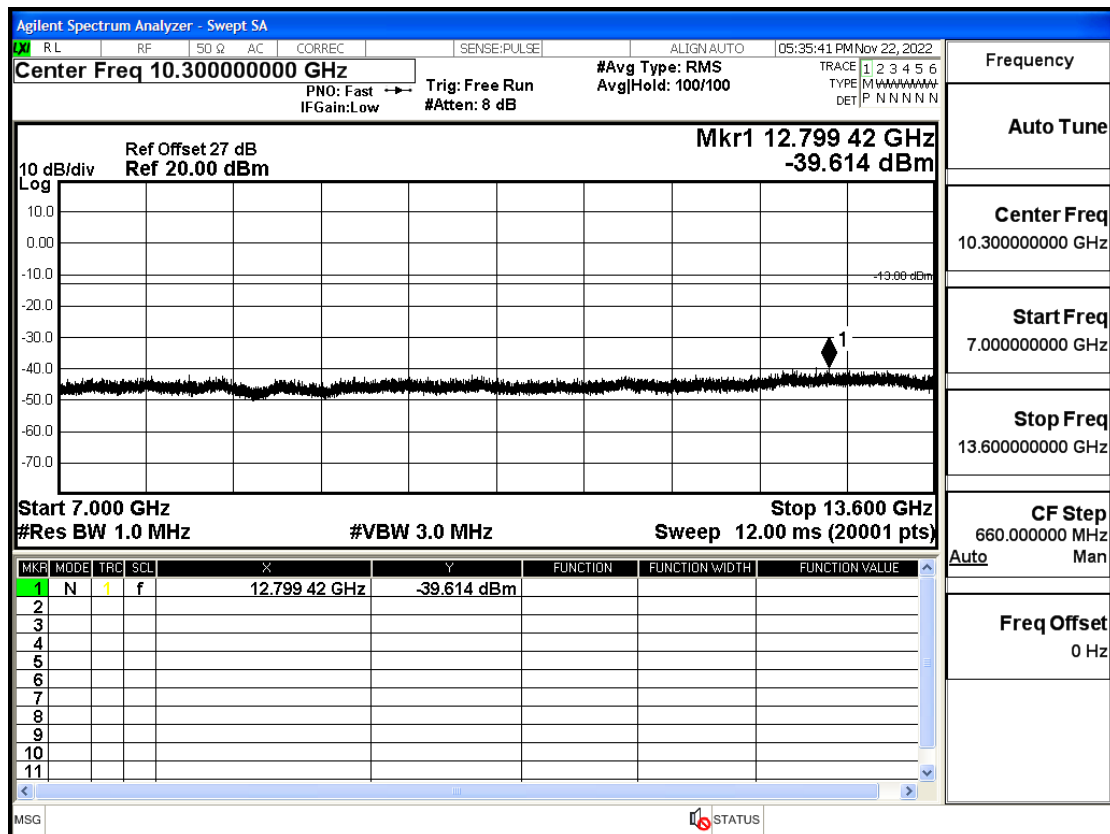
OB4-5-1732.5-Q16-25#LOW@30mHz-1GHz@Pass



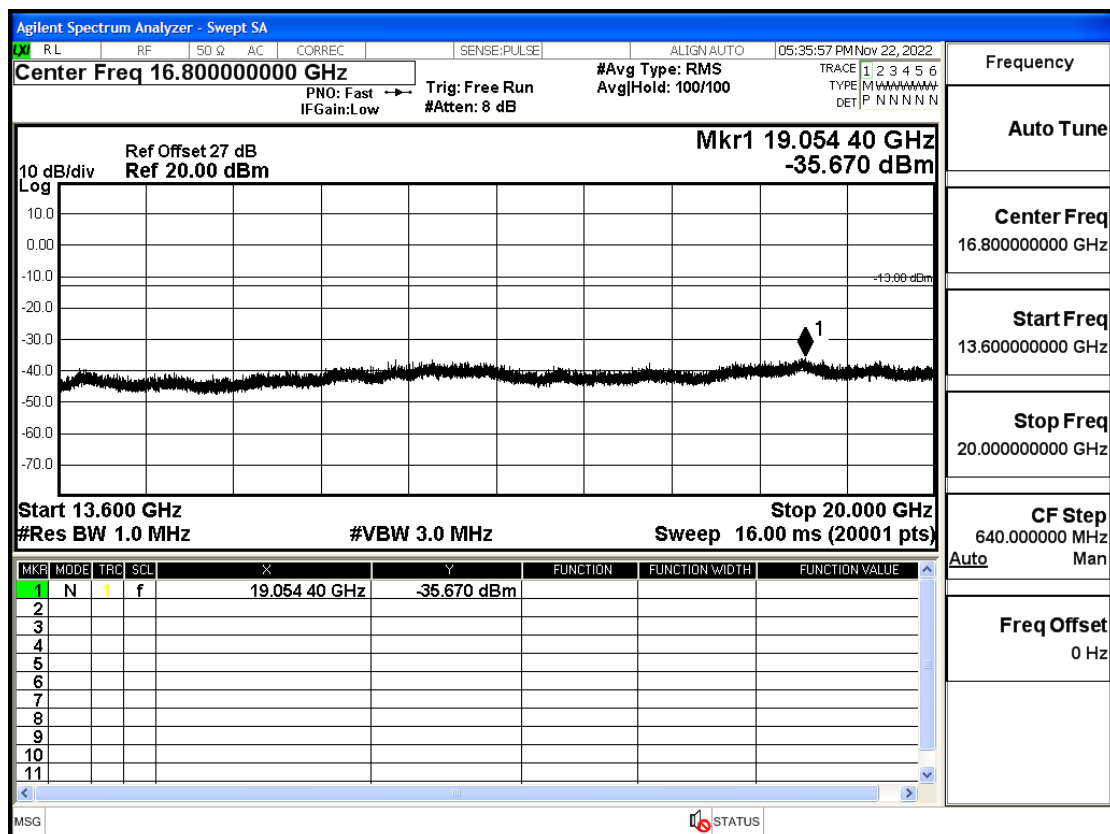
OB4-5-1732.5-Q16-25#LOW@1GHz-7GHz@Pass



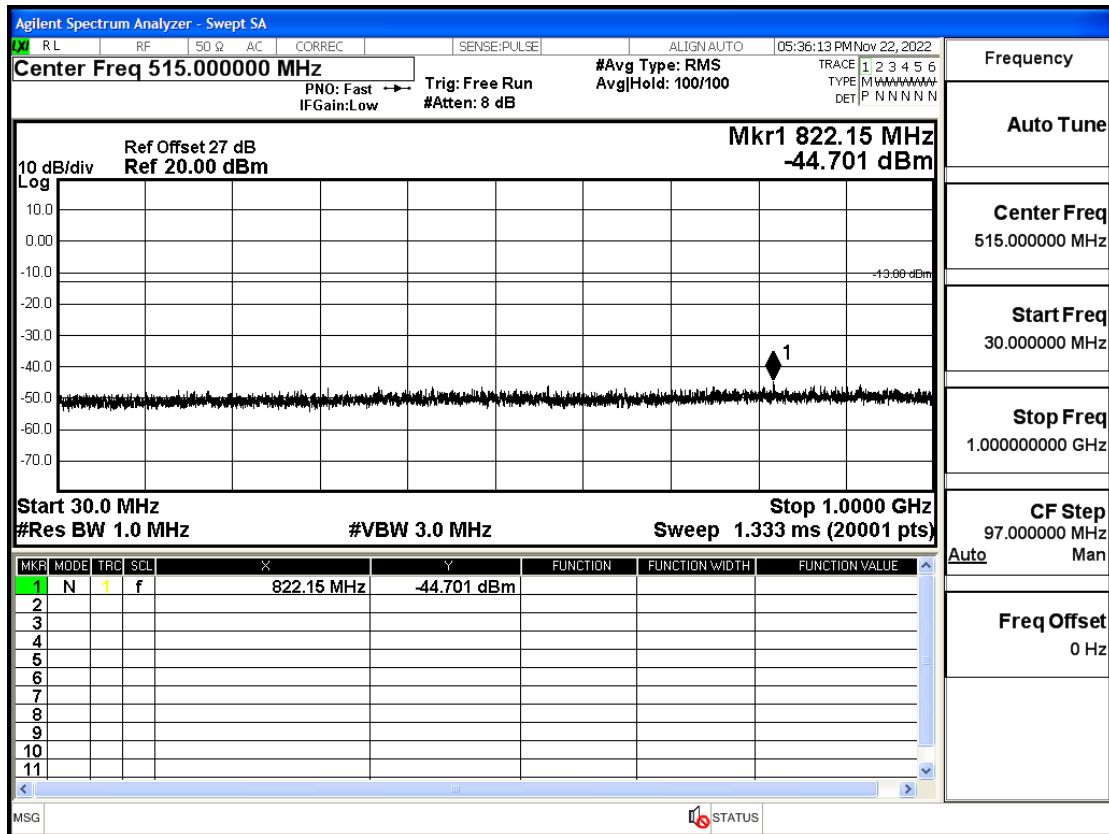
OB4-5-1732.5-Q16-25#LOW@7GHz-13.6GHz@Pass



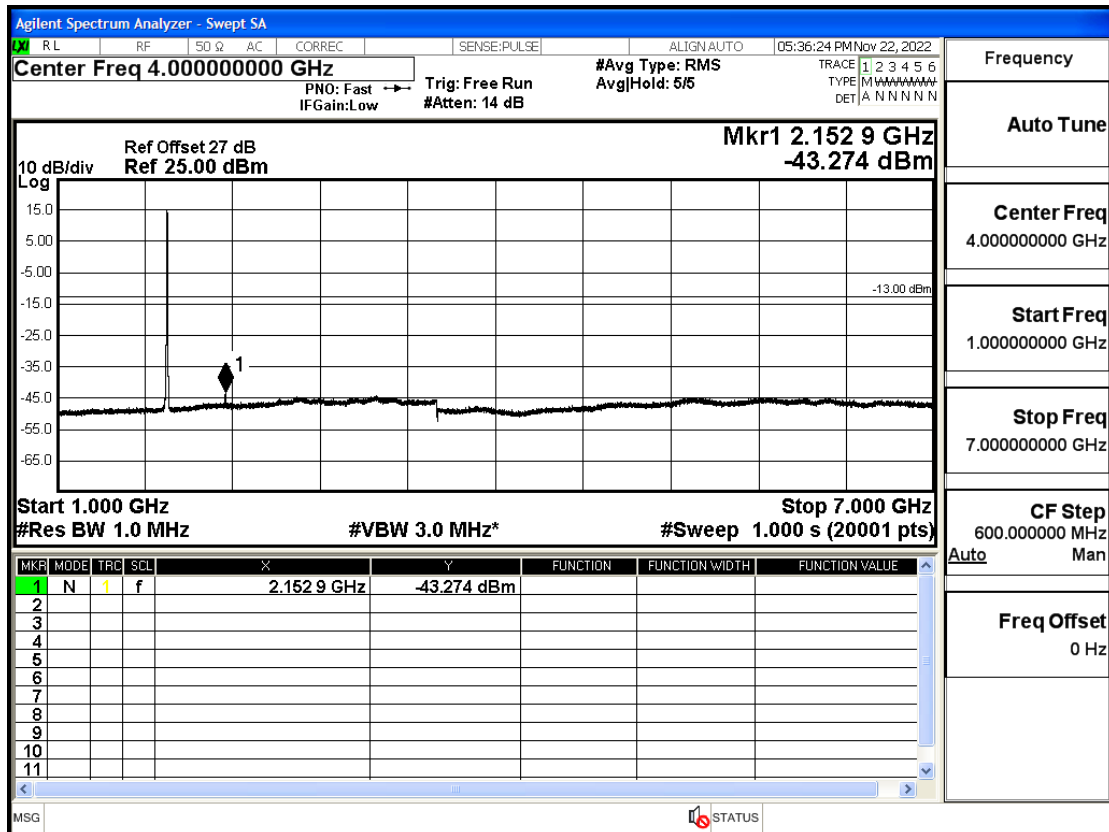
OB4-5-1732.5-Q16-25#LOW@13.6GHz-20GHz@Pass



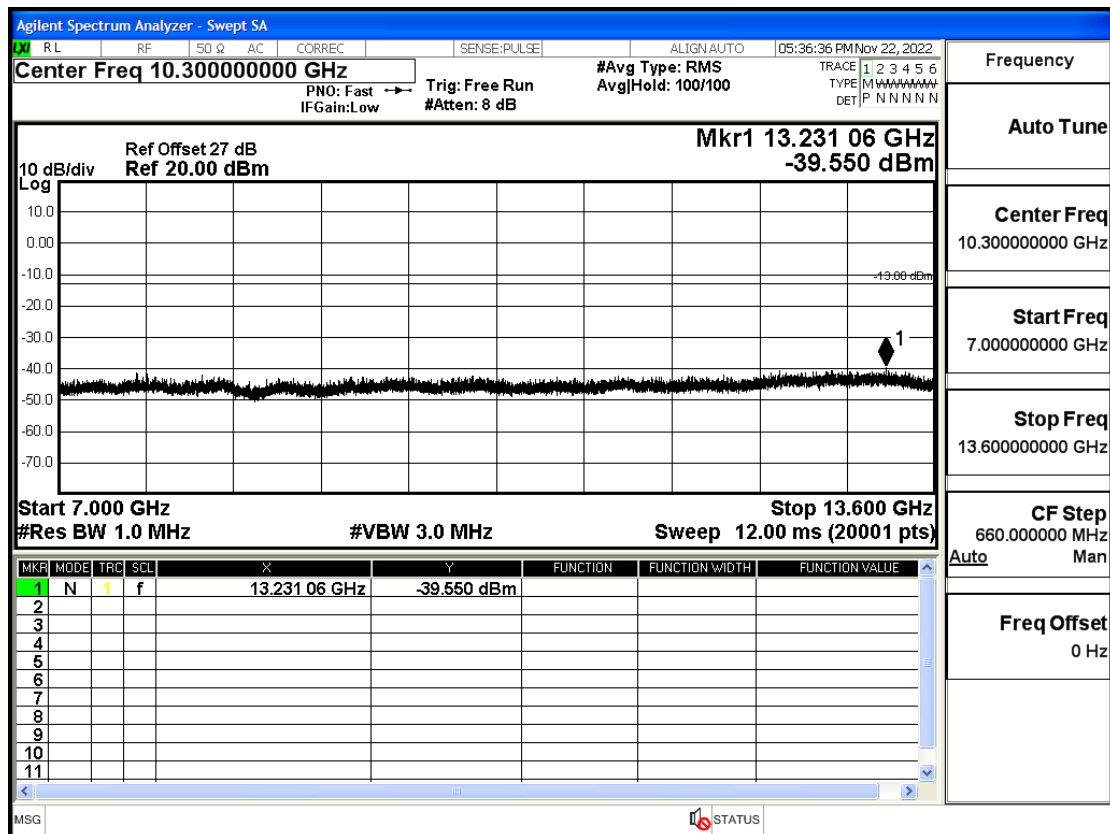
OB4-5-1752.5-Q16-25#LOW@30mHz-1GHz@Pass



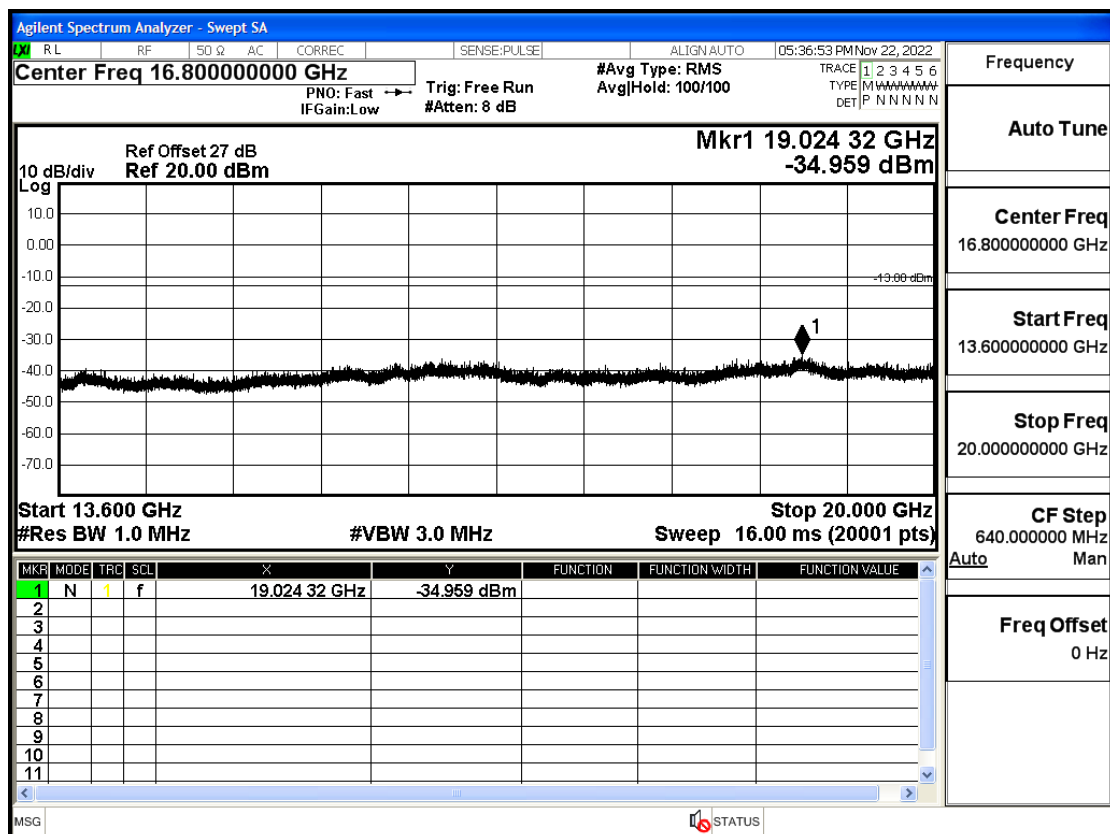
OB4-5-1752.5-Q16-25#LOW@1GHz-7GHz@Pass



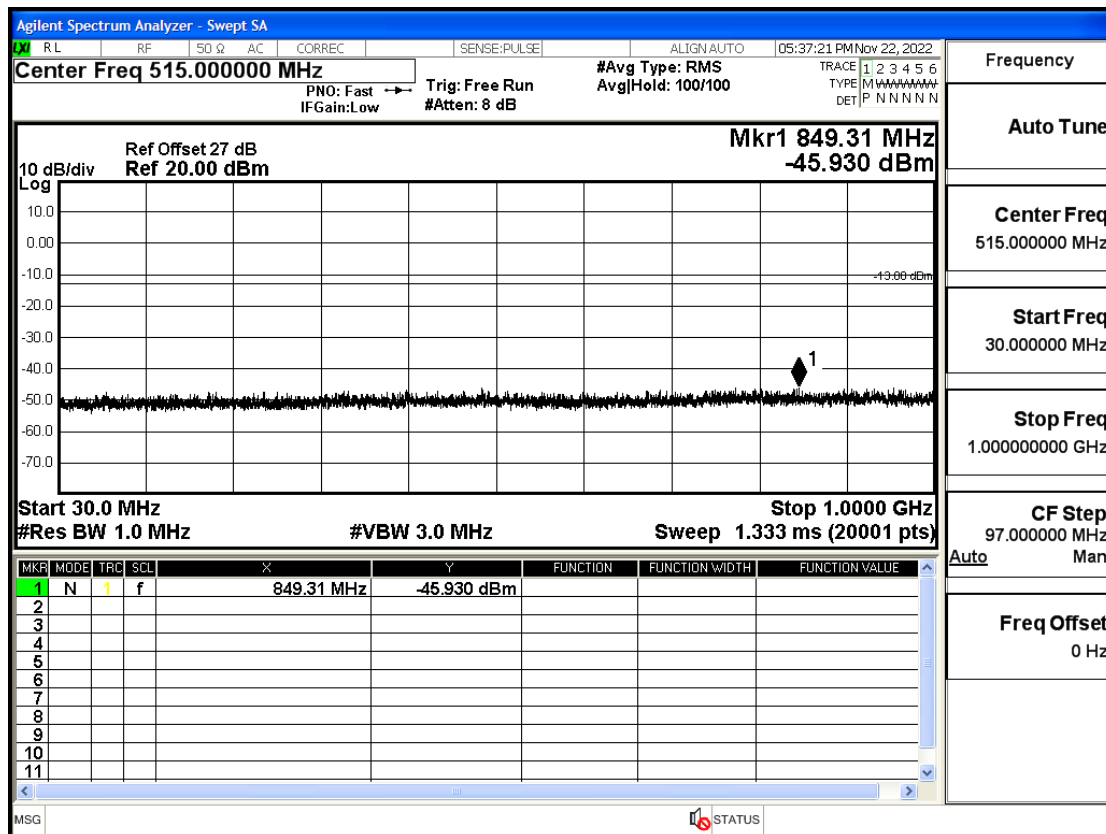
OB4-5-1752.5-Q16-25#LOW@7GHz-13.6GHz@Pass



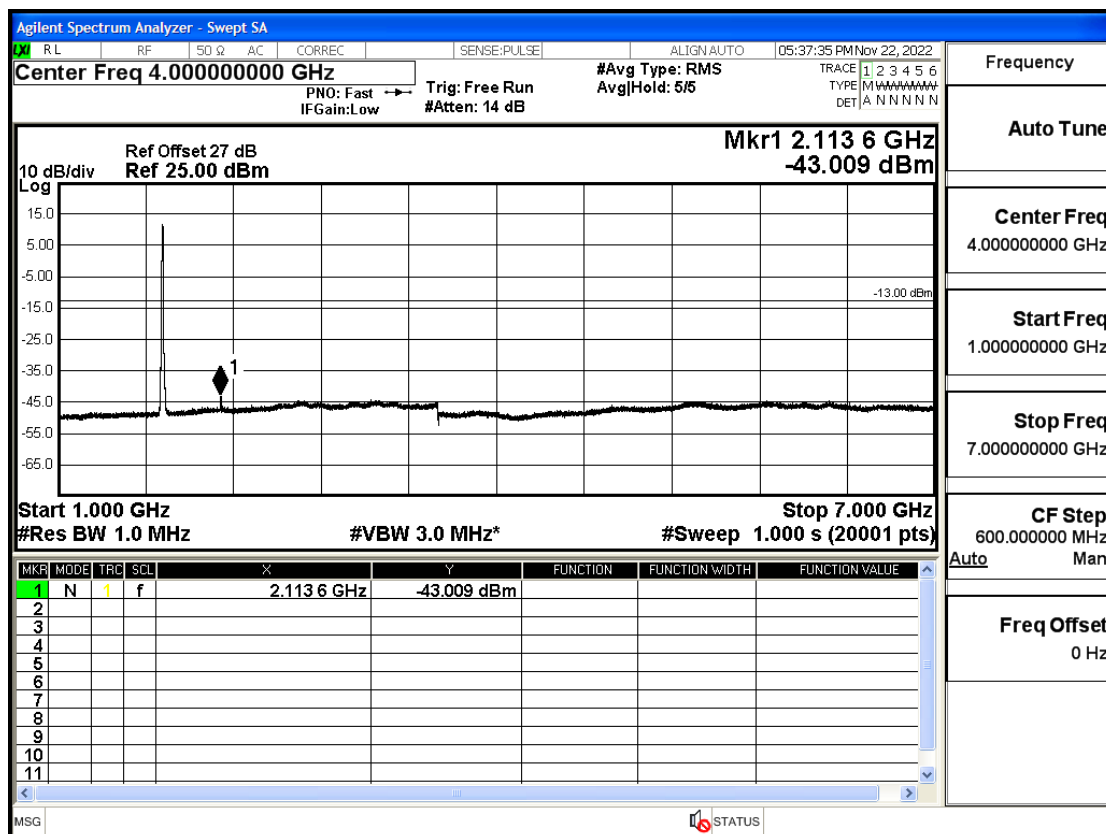
OB4-5-1752.5-Q16-25#LOW@13.6GHz-20GHz@Pass



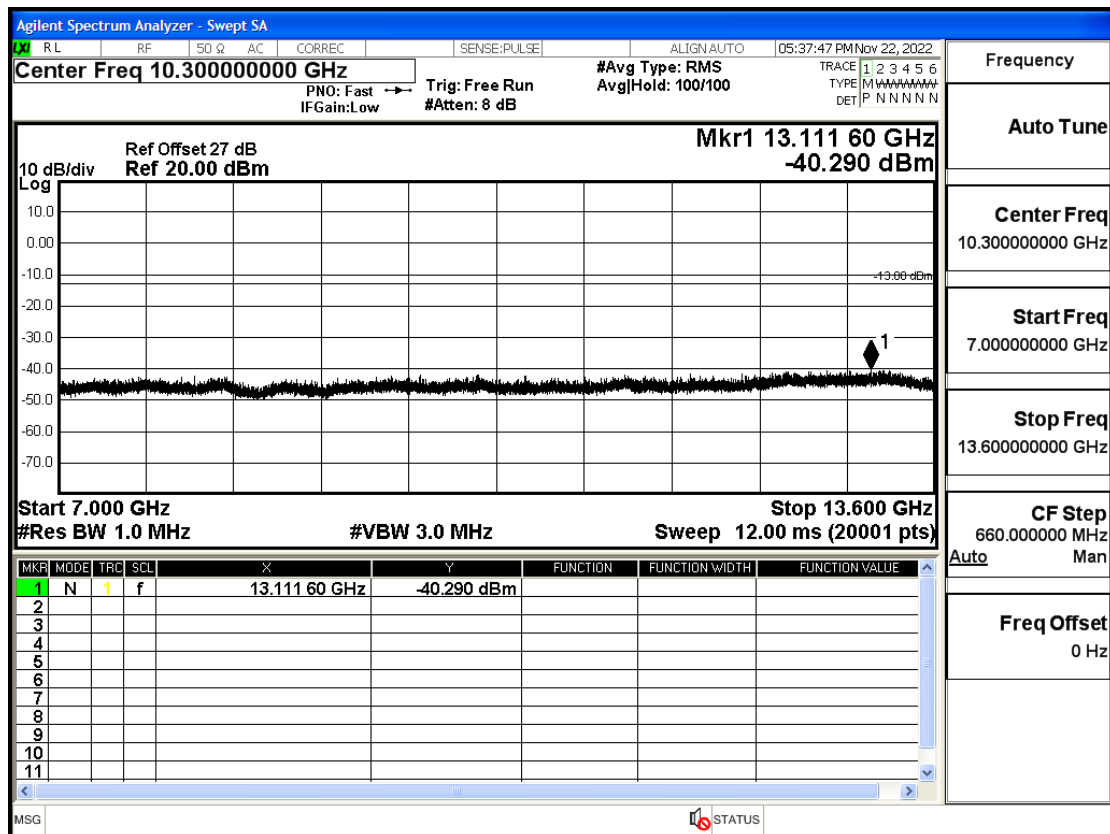
OB4-10-1715-Q16-50#LOW@30mHz-1GHz@Pass



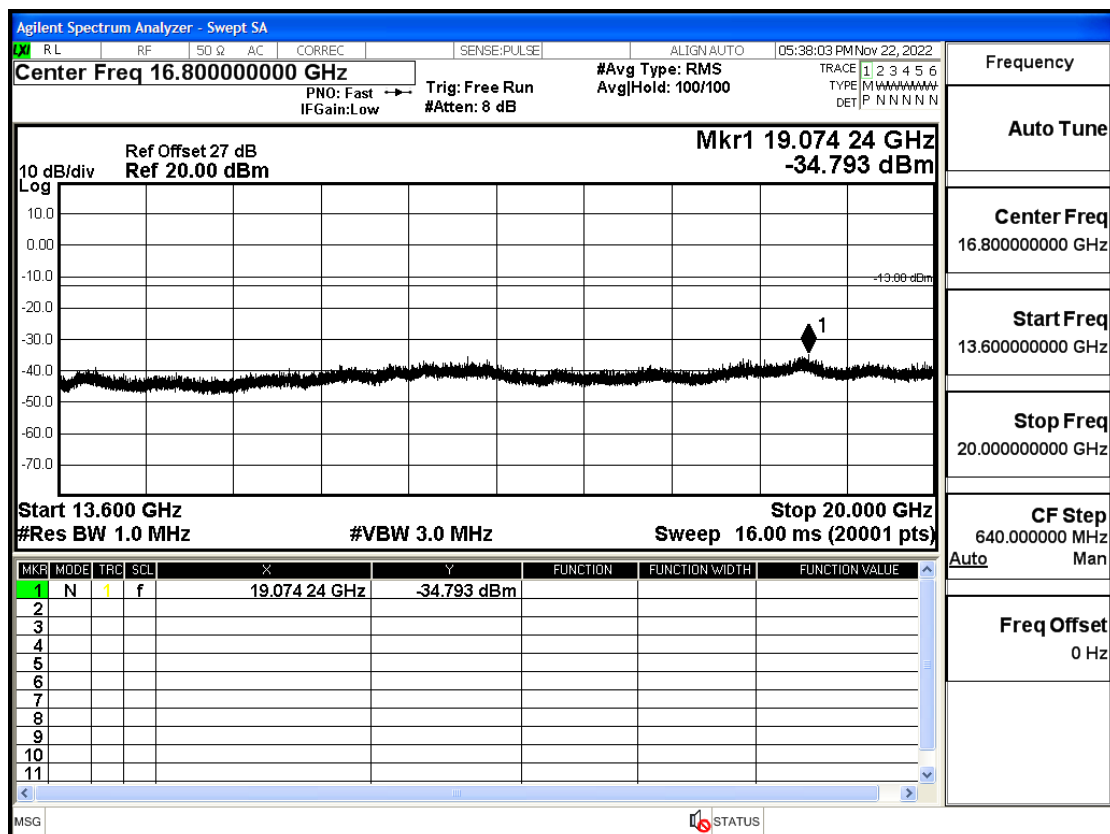
OB4-10-1715-Q16-50#LOW@1GHz-7GHz@Pass



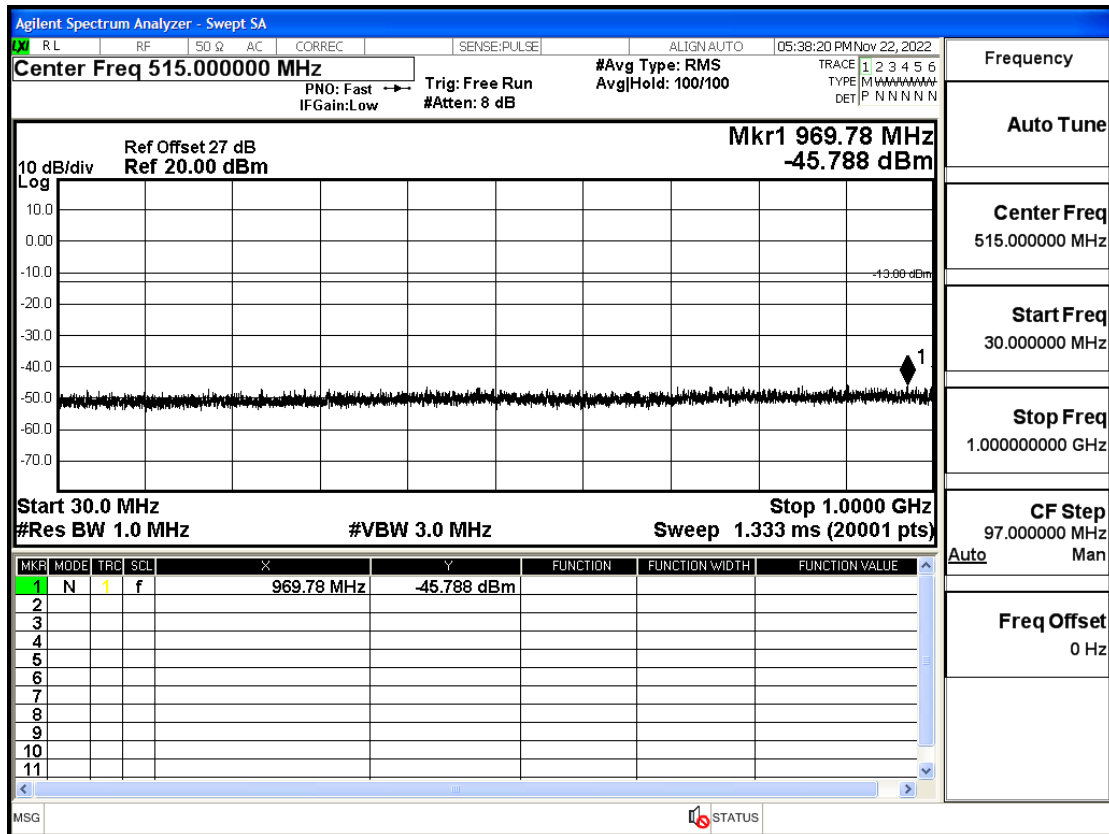
OB4-10-1715-Q16-50#LOW@7GHz-13.6GHz@Pass



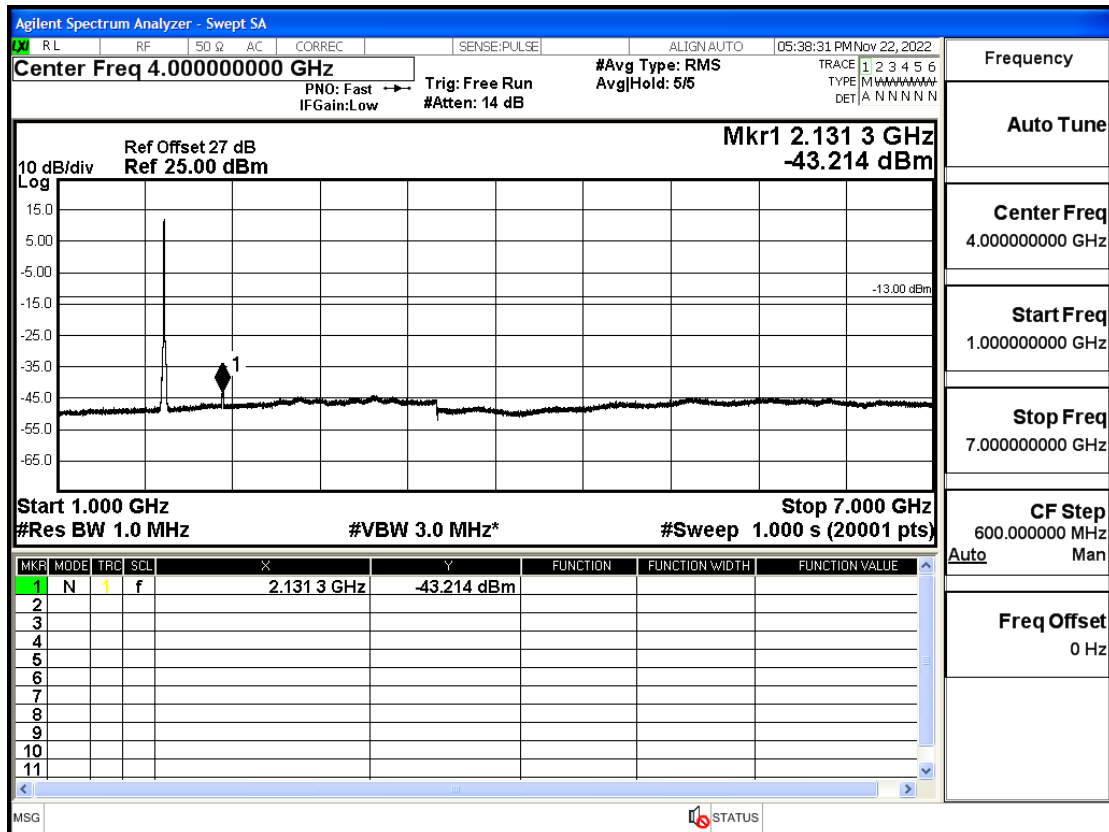
OB4-10-1715-Q16-50#LOW@13.6GHz-20GHz@Pass



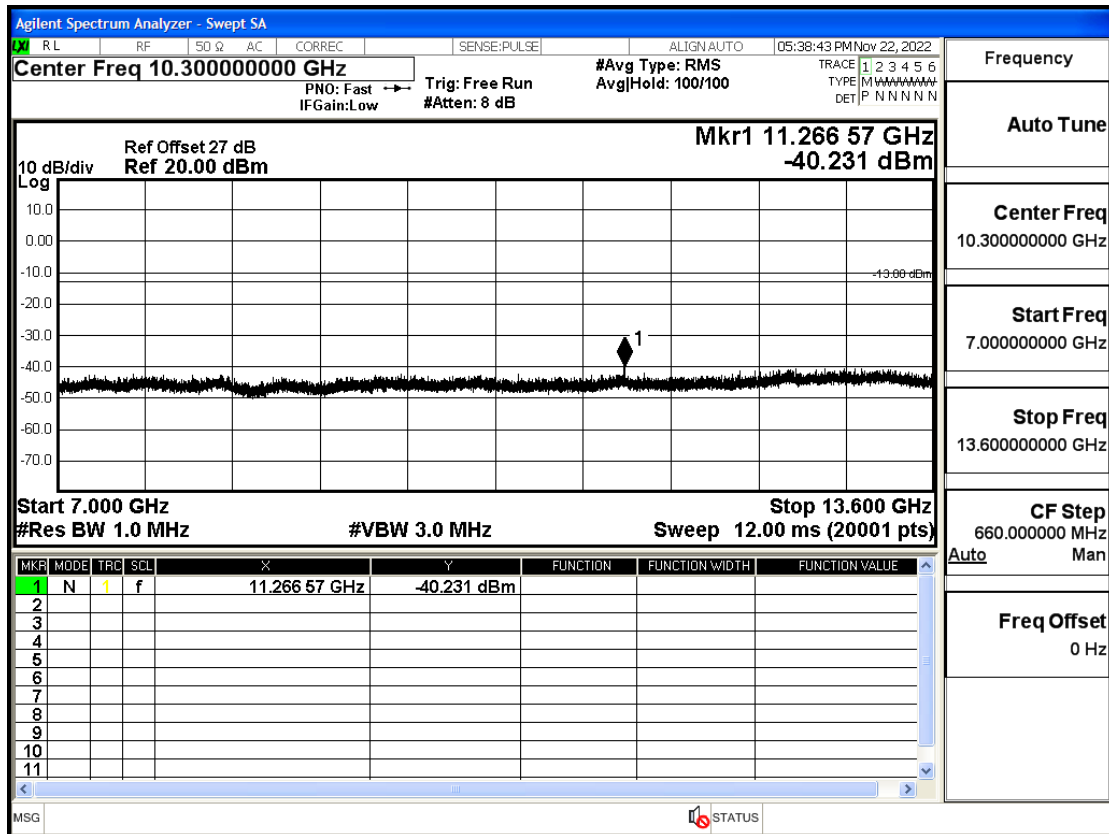
OB4-10-1732.5-Q16-50#LOW@30mHz-1GHz@Pass



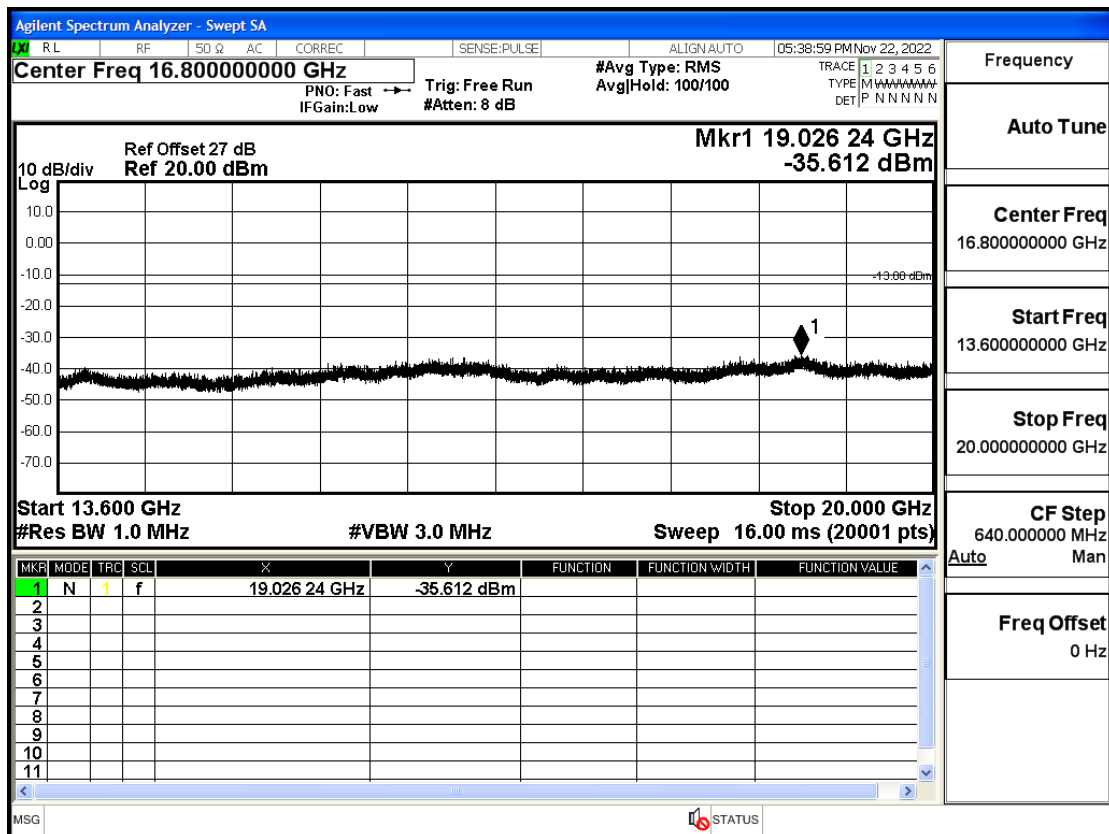
OB4-10-1732.5-Q16-50#LOW@1GHz-7GHz@Pass



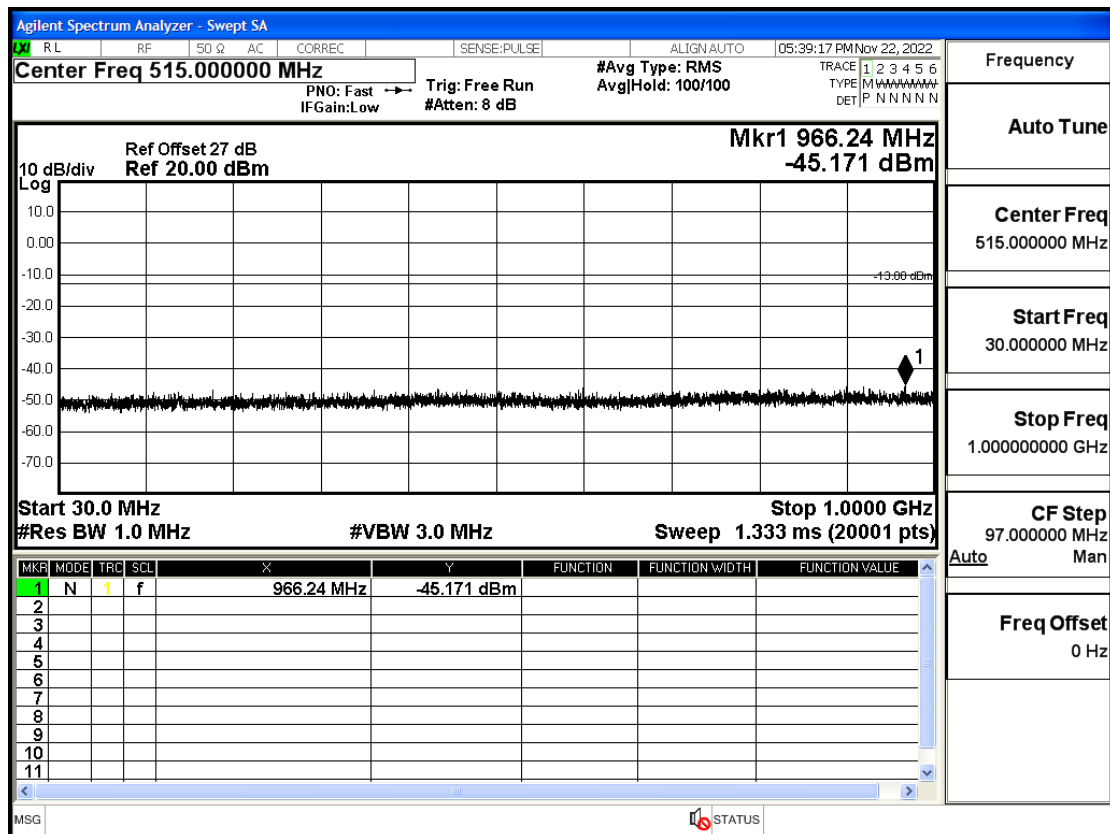
OB4-10-1732.5-Q16-50#LOW@7GHz-13.6GHz@Pass



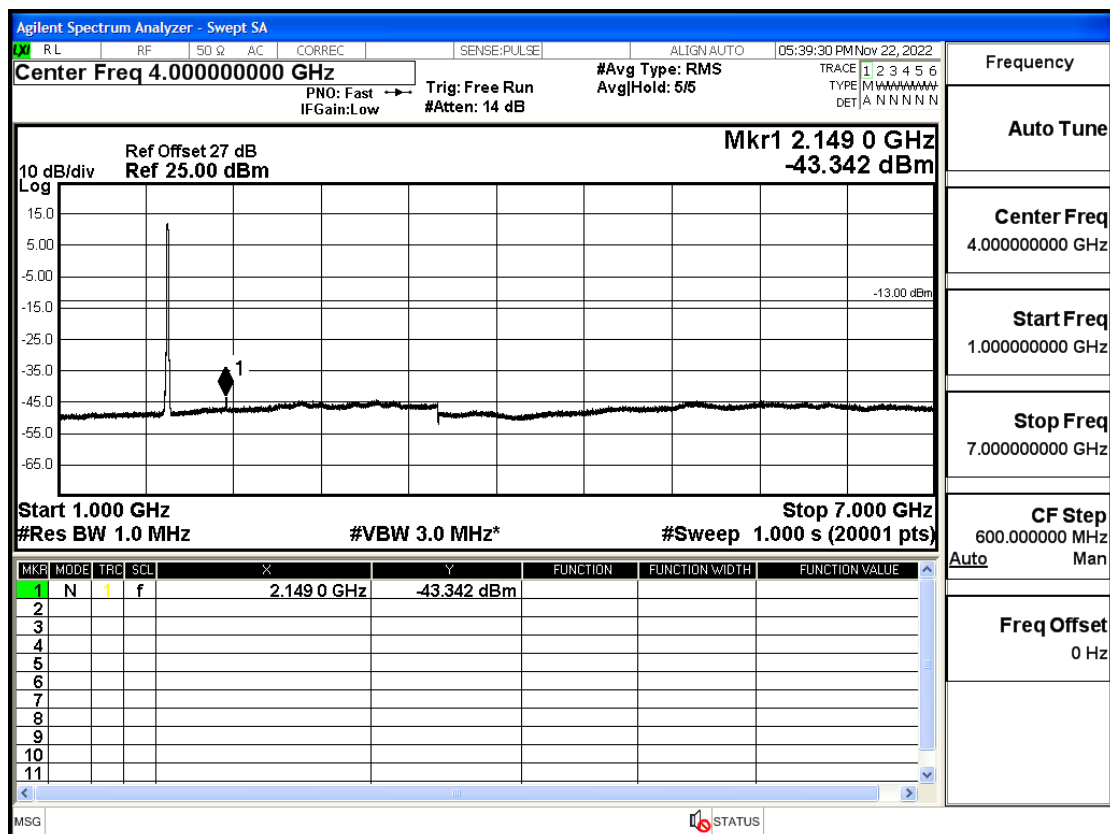
OB4-10-1732.5-Q16-50#LOW@13.6GHz-20GHz@Pass



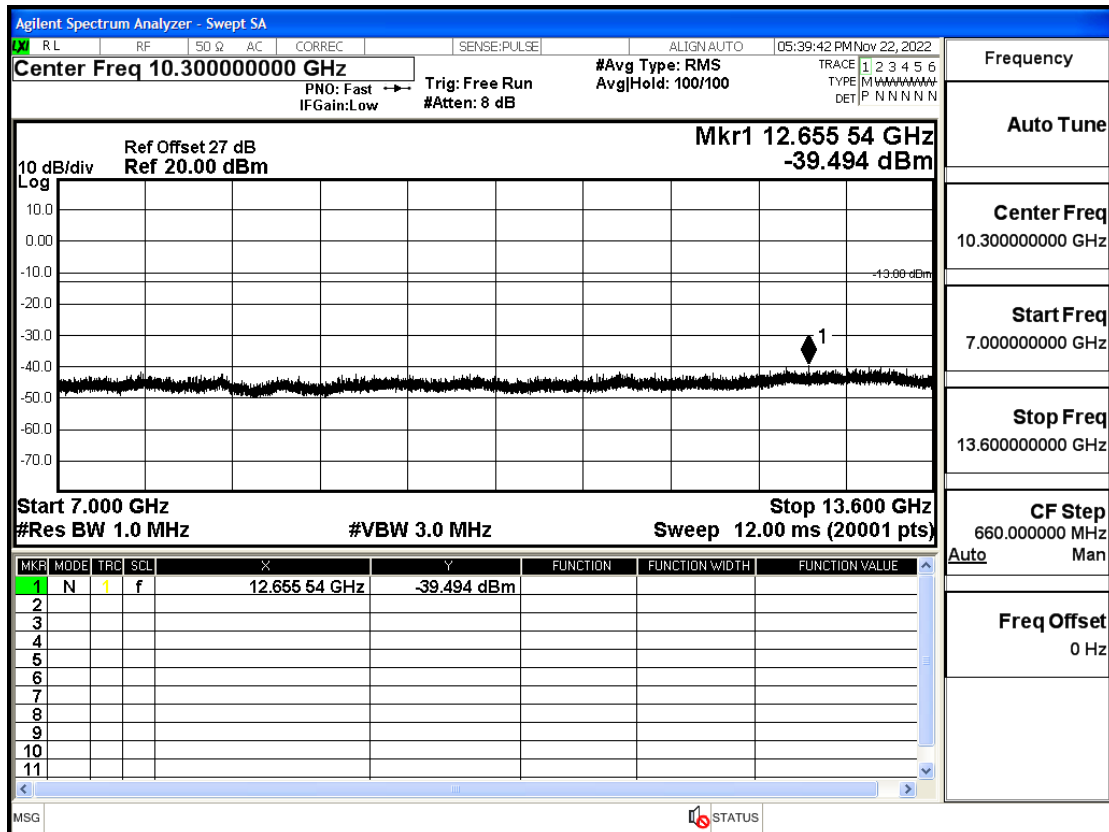
OB4-10-1750-Q16-50#LOW@30mHz-1GHz@Pass



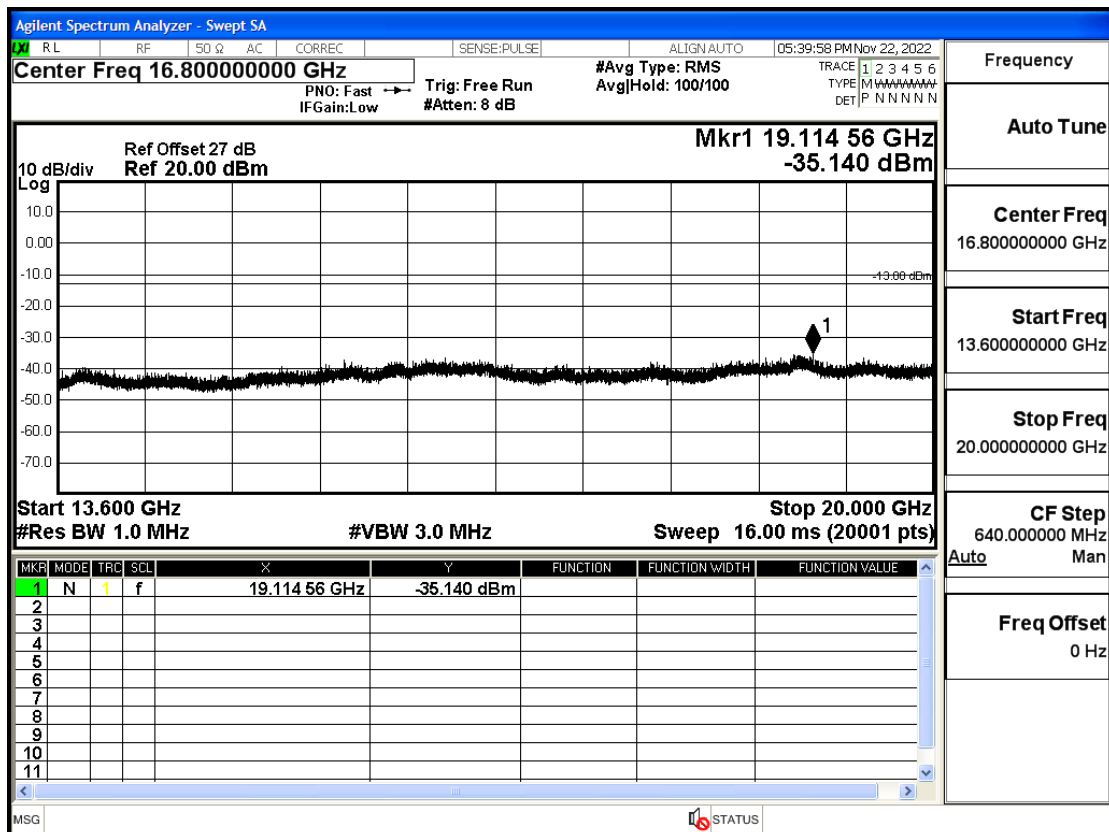
OB4-10-1750-Q16-50#LOW@1GHz-7GHz@Pass



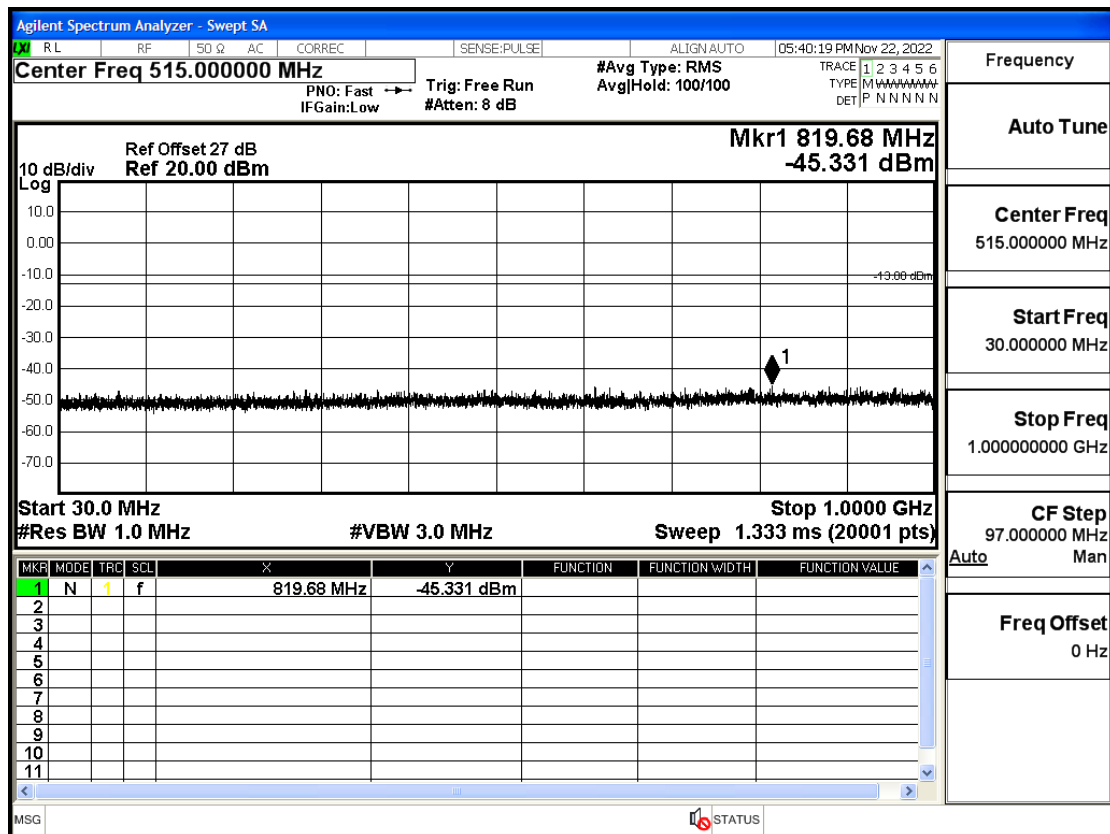
OB4-10-1750-Q16-50#LOW@7GHz-13.6GHz@Pass



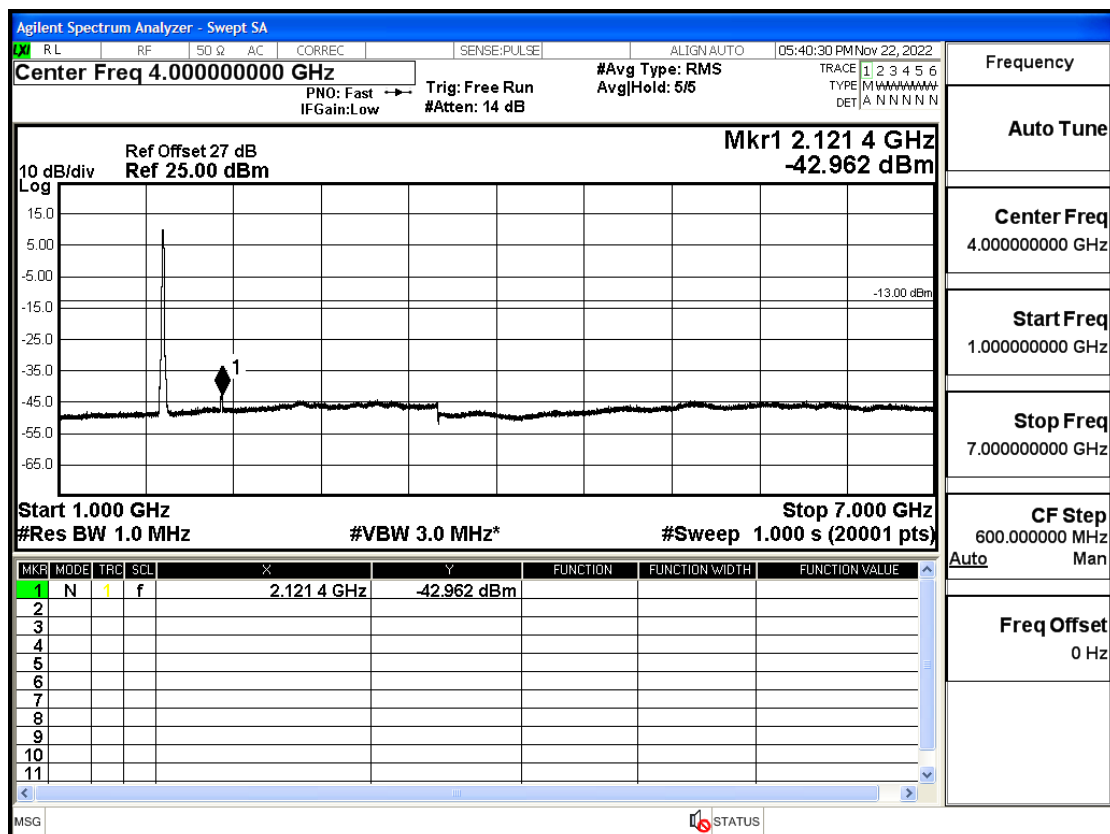
OB4-10-1750-Q16-50#LOW@13.6GHz-20GHz@Pass



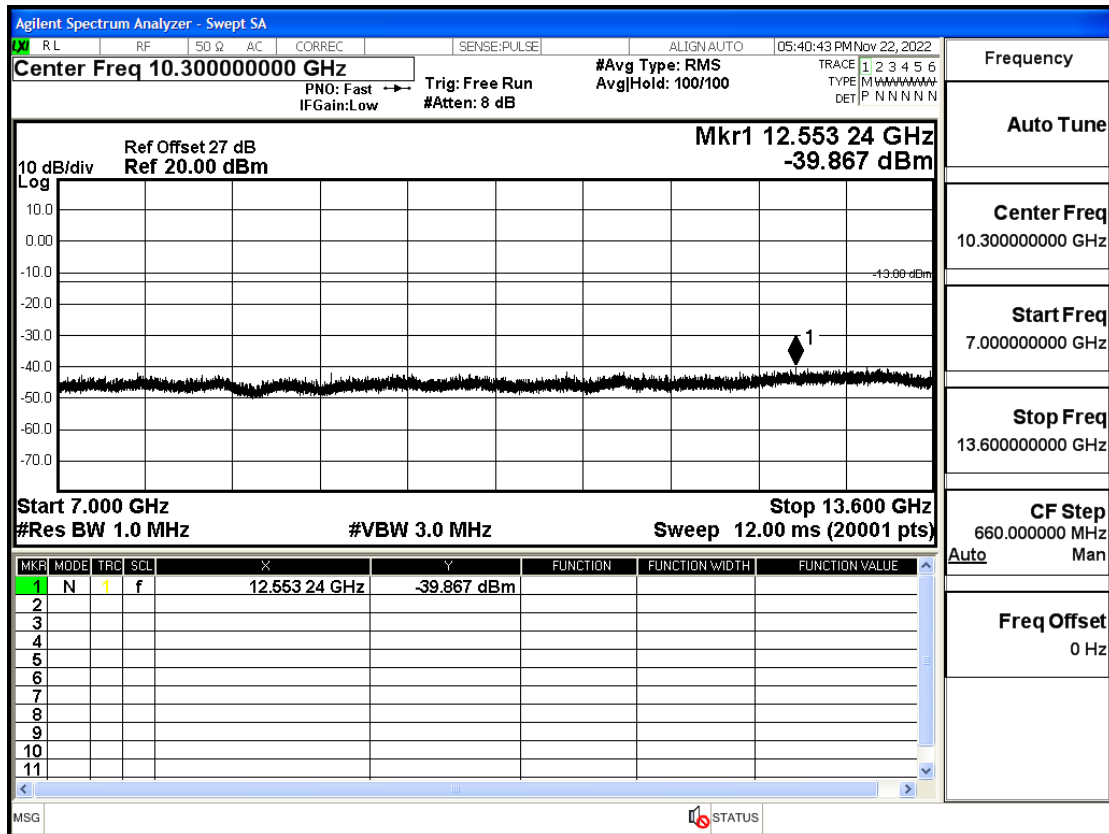
OB4-15-1717.5-Q16-75#LOW@30mHz-1GHz@Pass



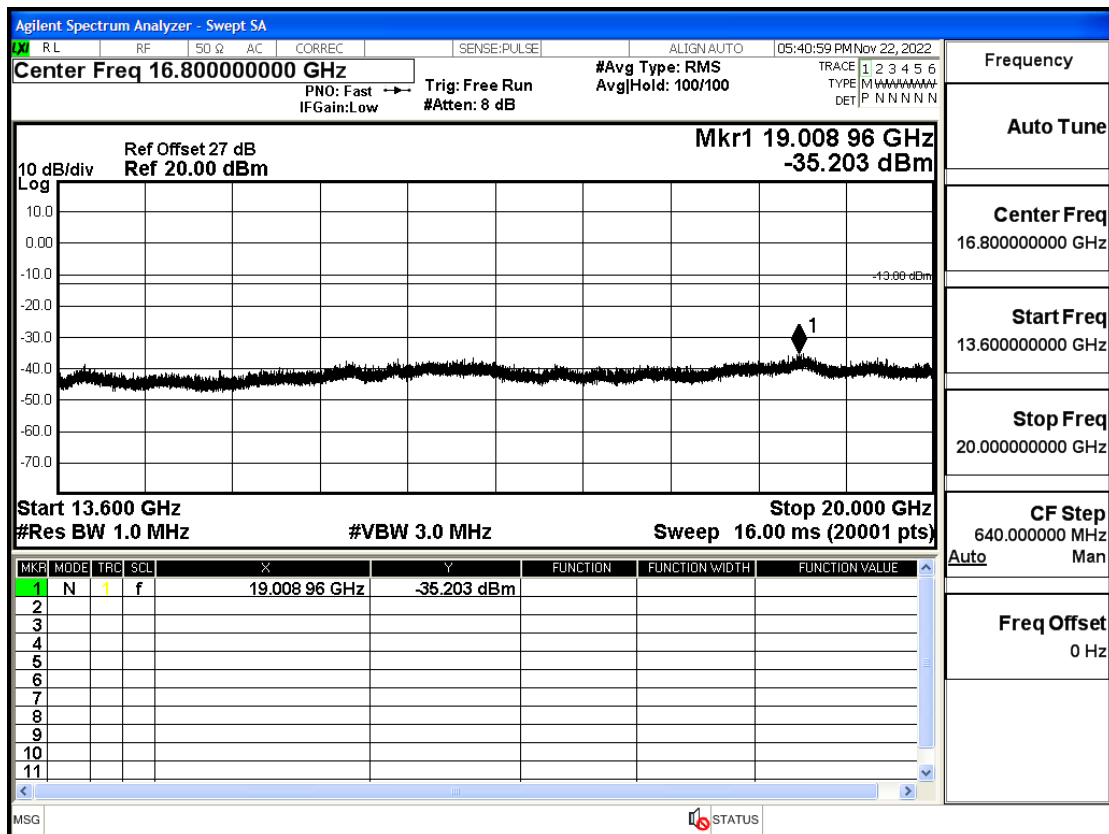
OB4-15-1717.5-Q16-75#LOW@1GHz-7GHz@Pass



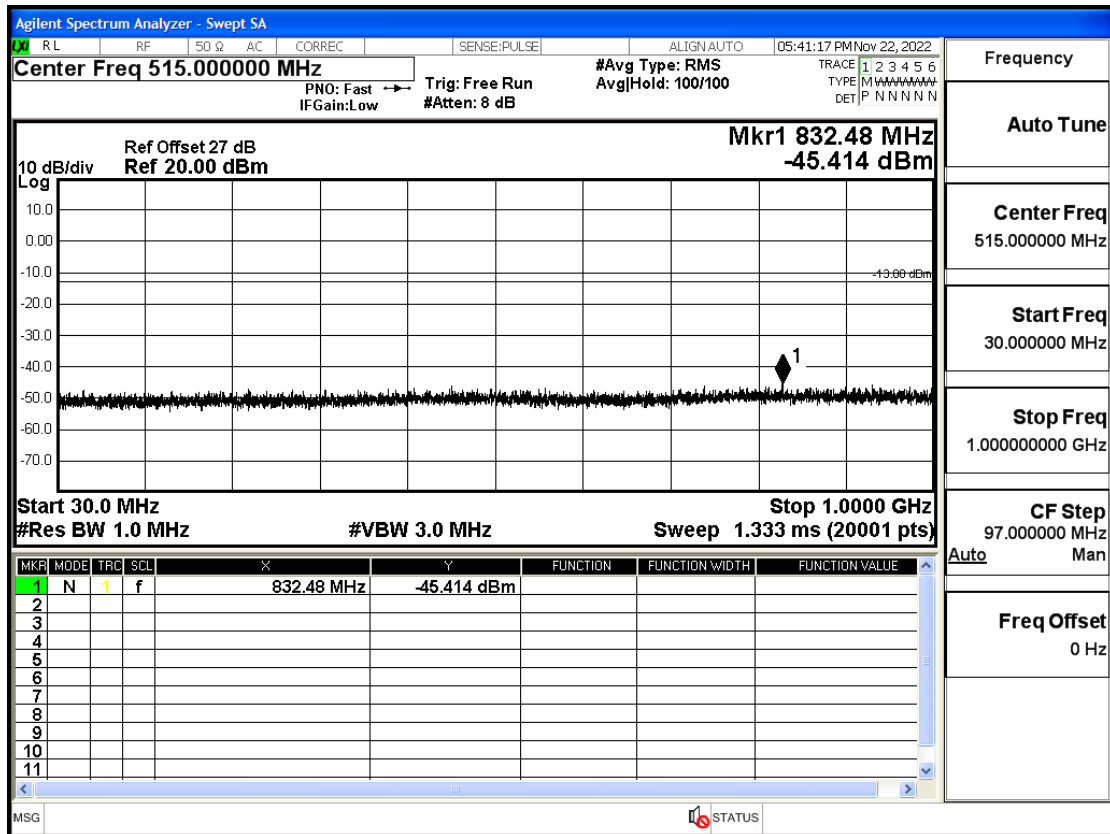
OB4-15-1717.5-Q16-75#LOW@7GHz-13.6GHz@Pass



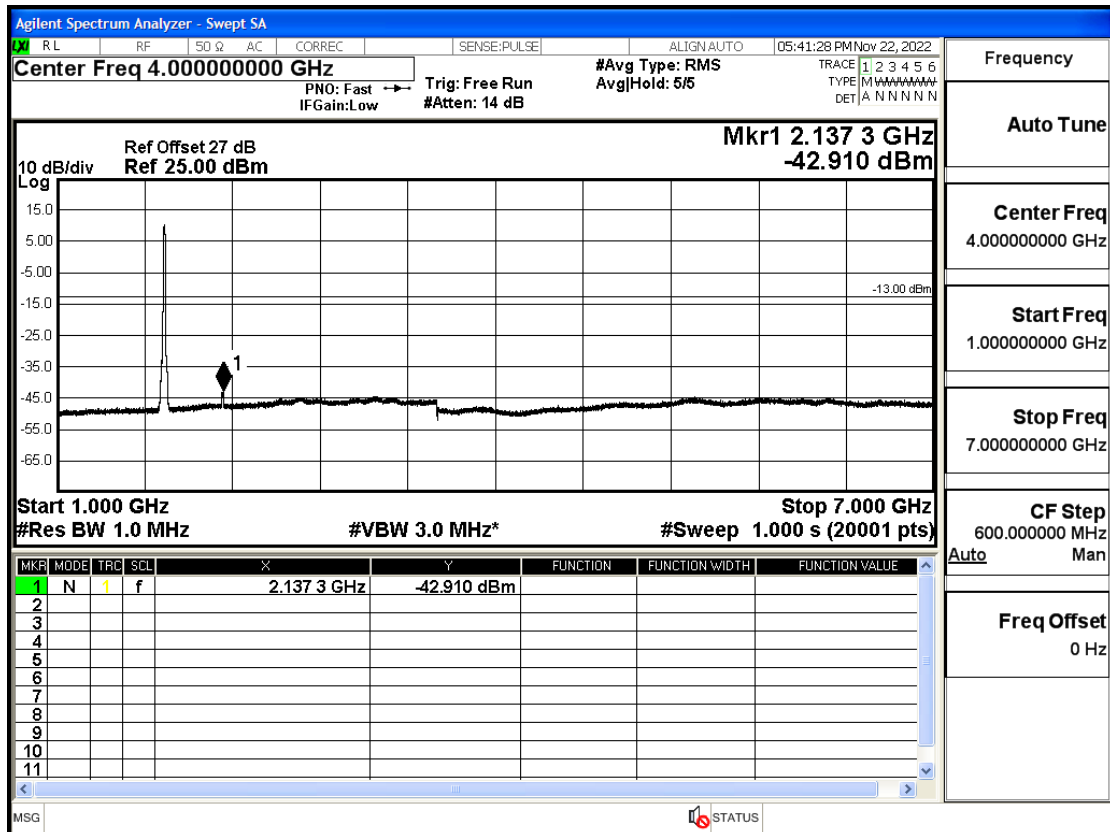
OB4-15-1717.5-Q16-75#LOW@13.6GHz-20GHz@Pass



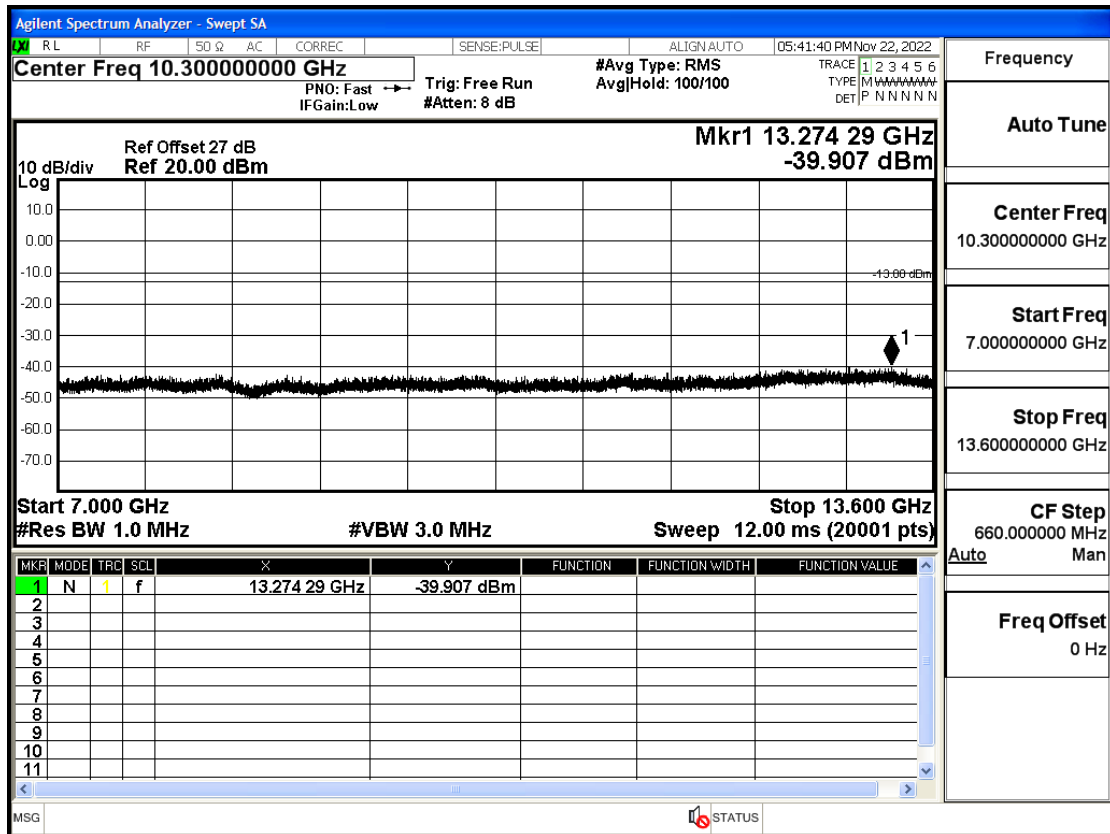
OB4-15-1732.5-Q16-75#LOW@30mHz-1GHz@Pass



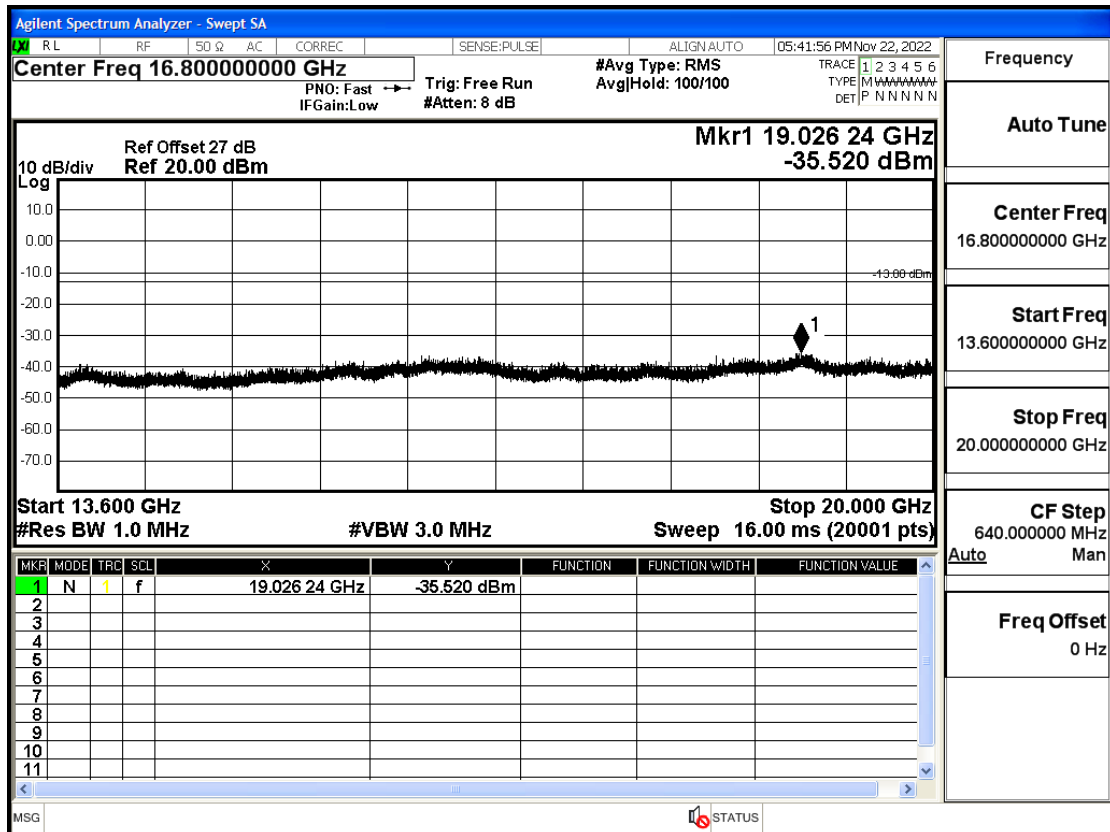
OB4-15-1732.5-Q16-75#LOW@1GHz-7GHz@Pass



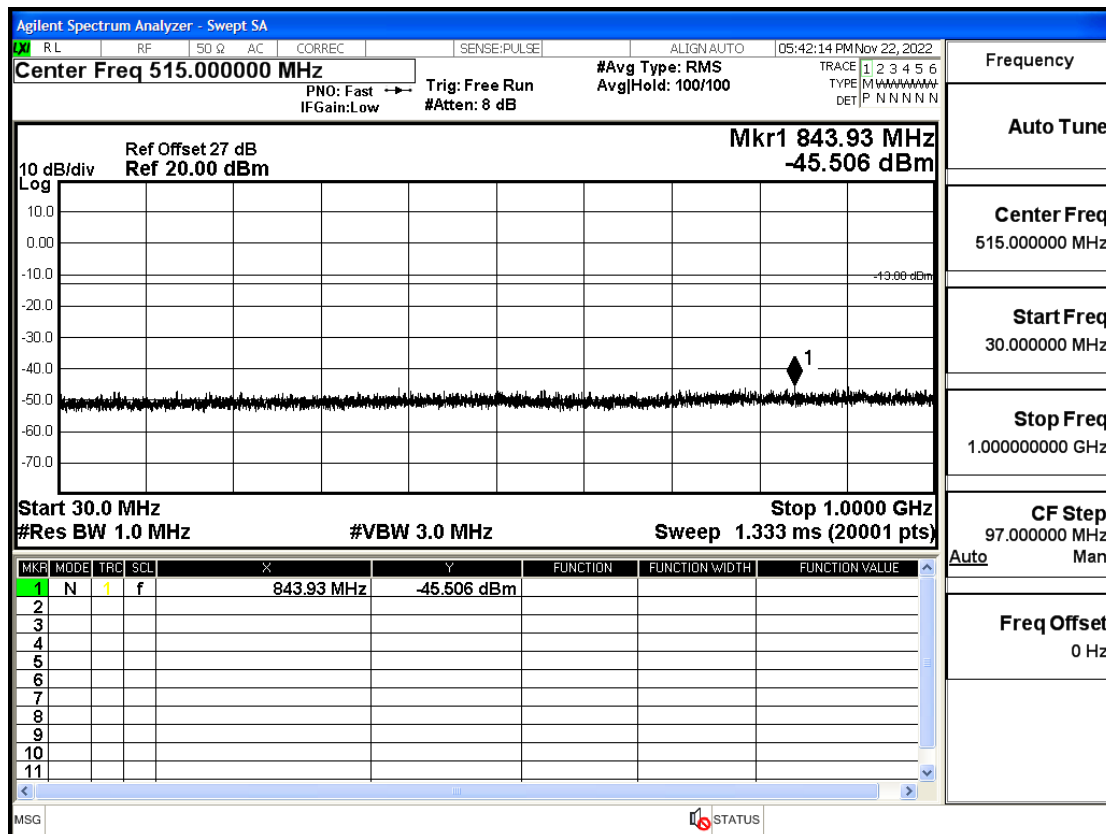
OB4-15-1732.5-Q16-75#LOW@7GHz-13.6GHz@Pass



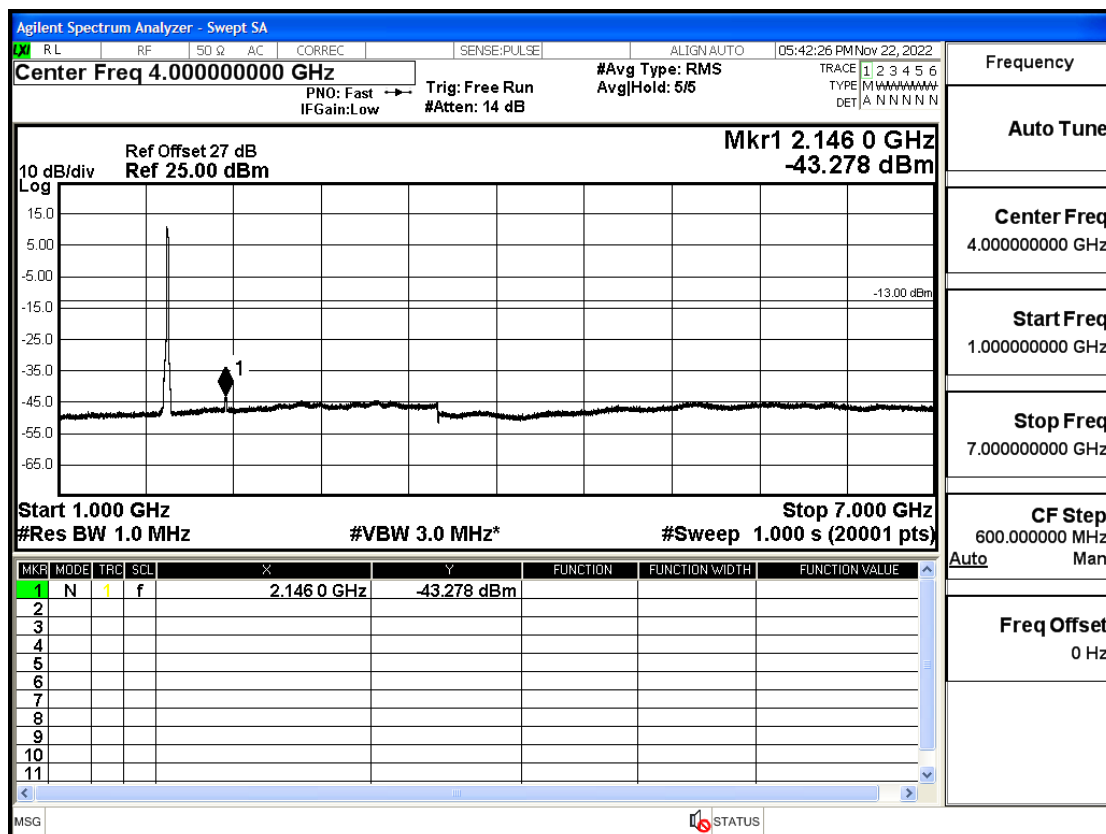
OB4-15-1732.5-Q16-75#LOW@13.6GHz-20GHz@Pass



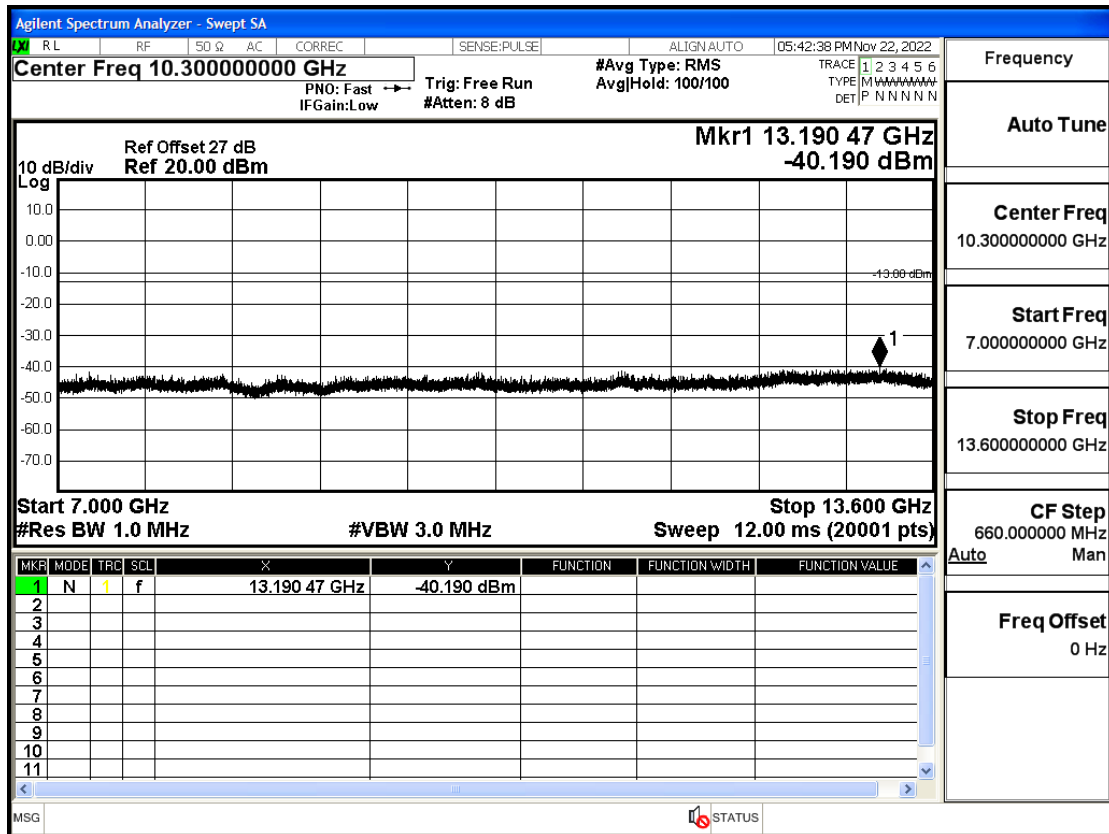
OB4-15-1747.5-Q16-75#LOW@30mHz-1GHz@Pass



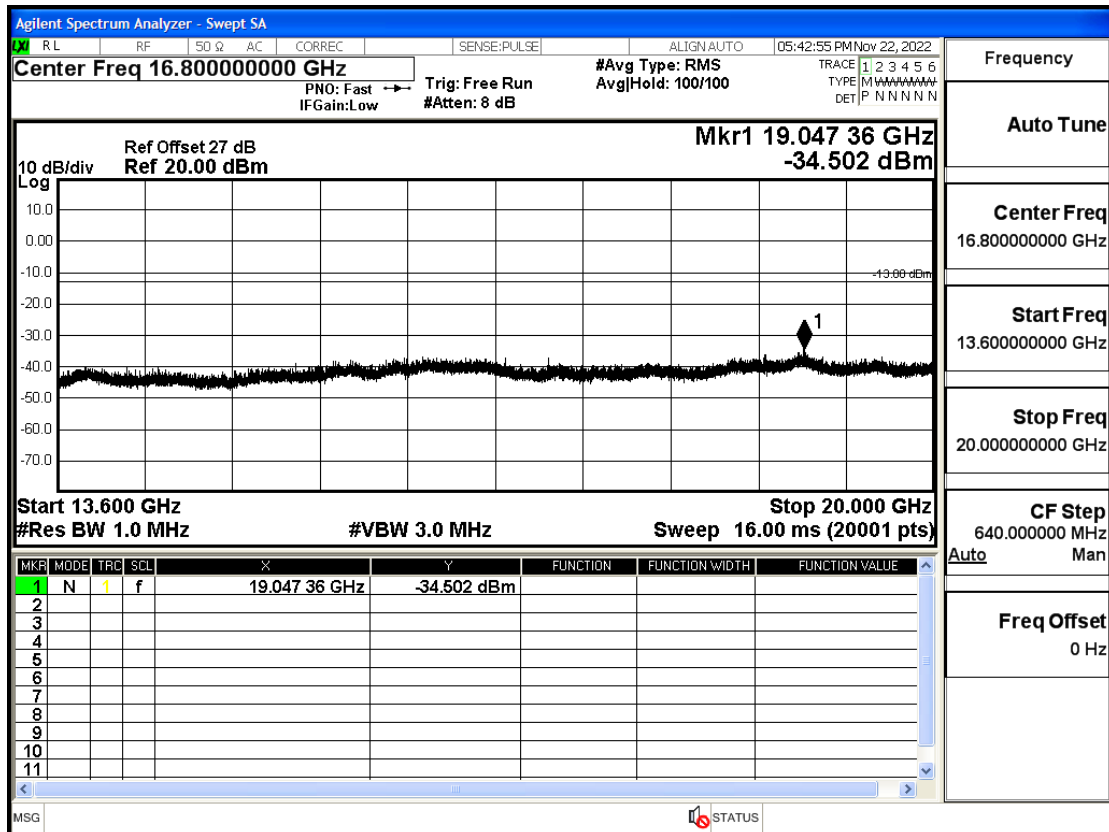
OB4-15-1747.5-Q16-75#LOW@1GHz-7GHz@Pass



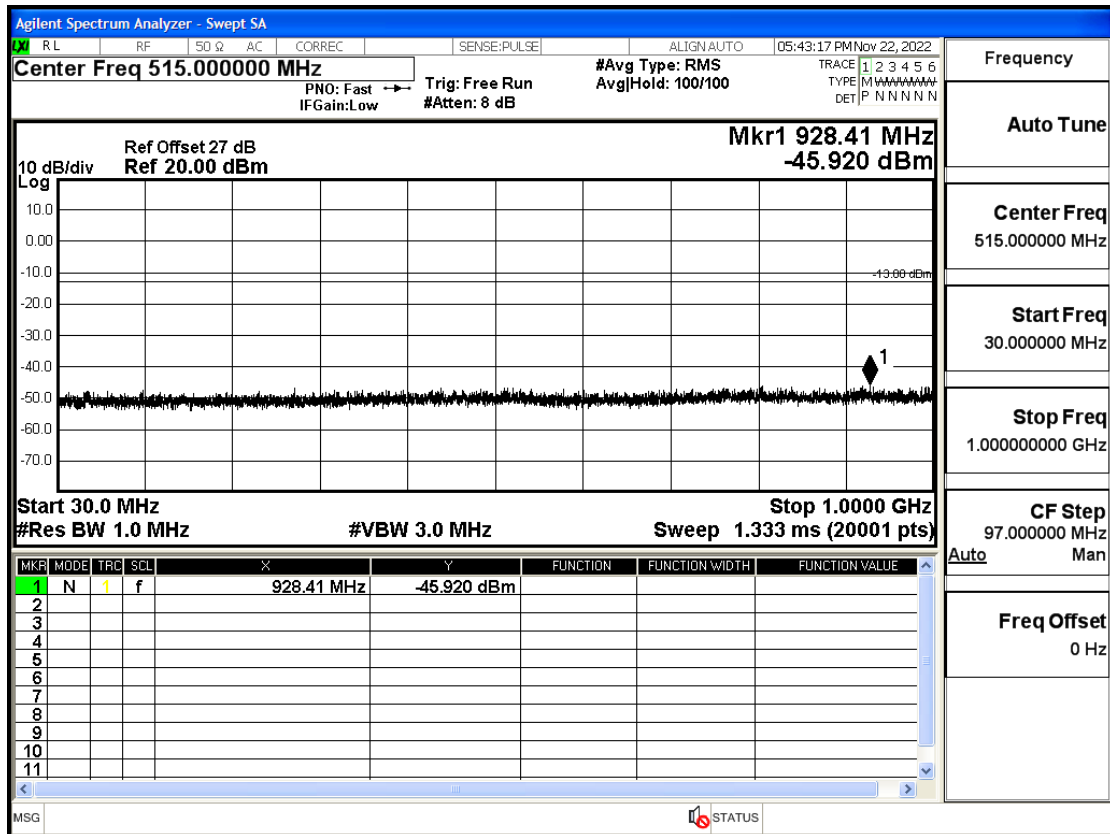
OB4-15-1747.5-Q16-75#LOW@7GHz-13.6GHz@Pass



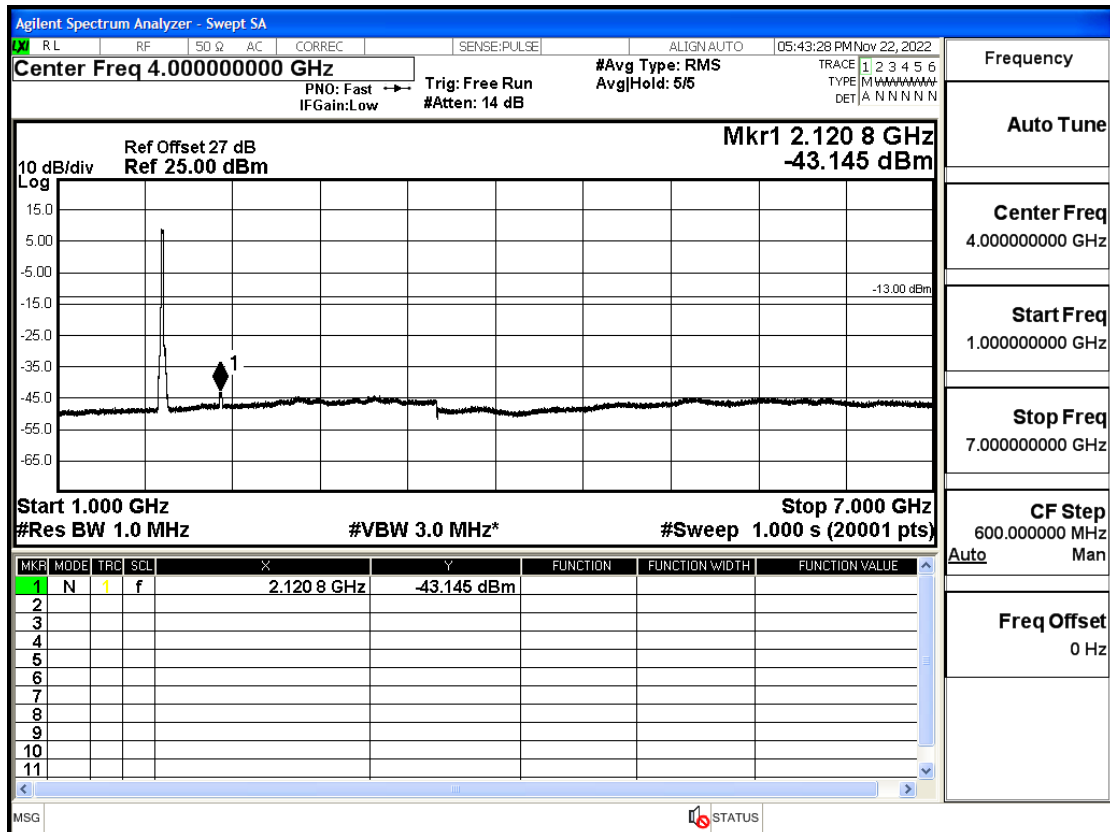
OB4-15-1747.5-Q16-75#LOW@13.6GHz-20GHz@Pass



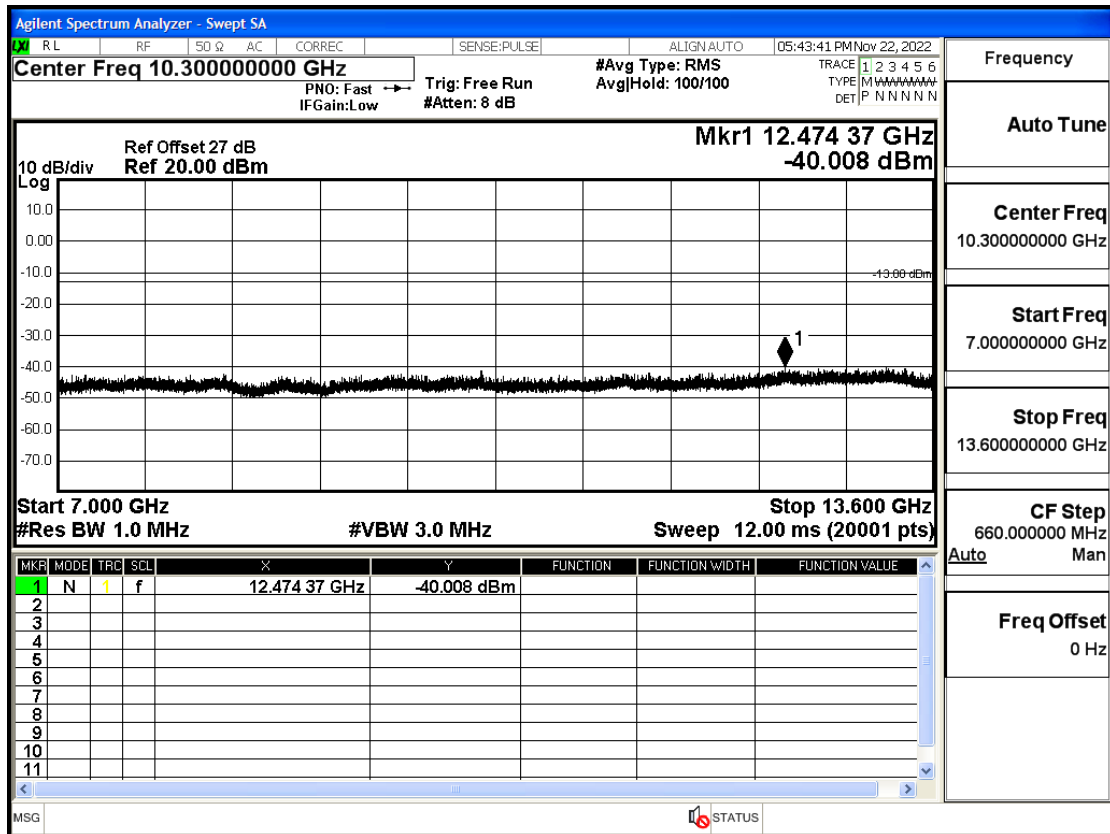
OB4-20-1720-Q16-100#LOW@30mHz-1GHz@Pass



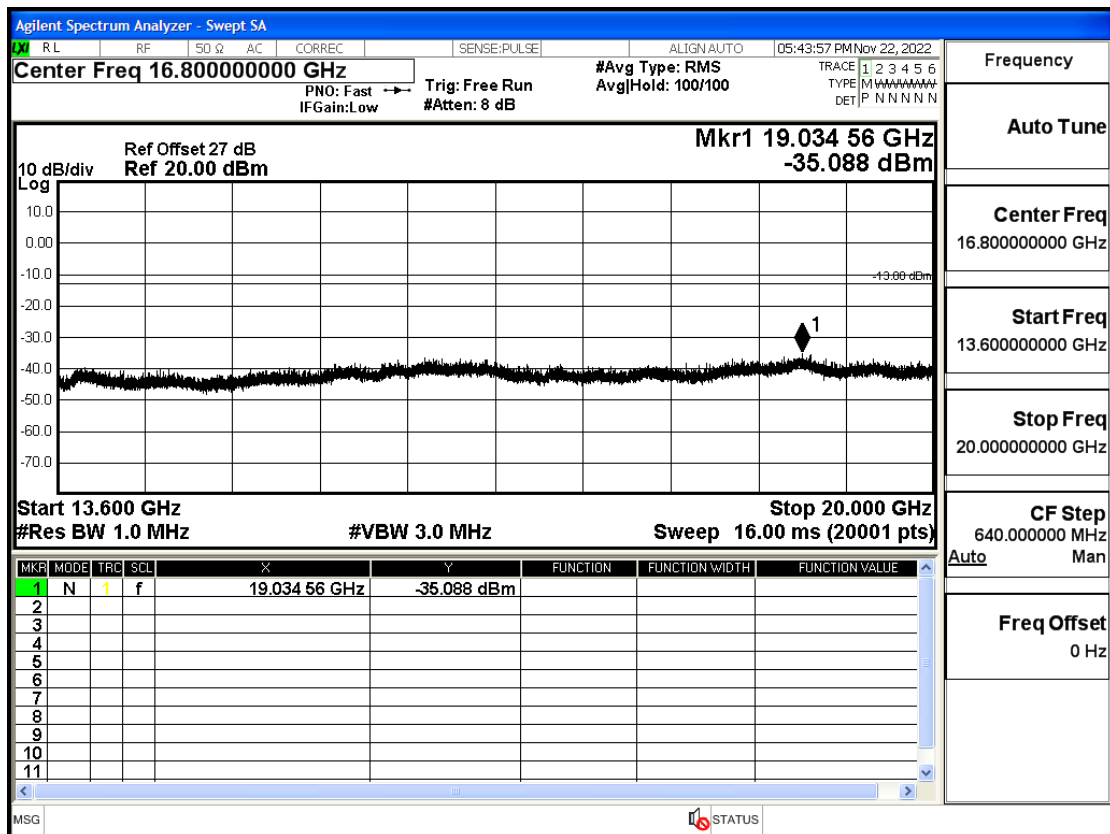
OB4-20-1720-Q16-100#LOW@1GHz-7GHz@Pass



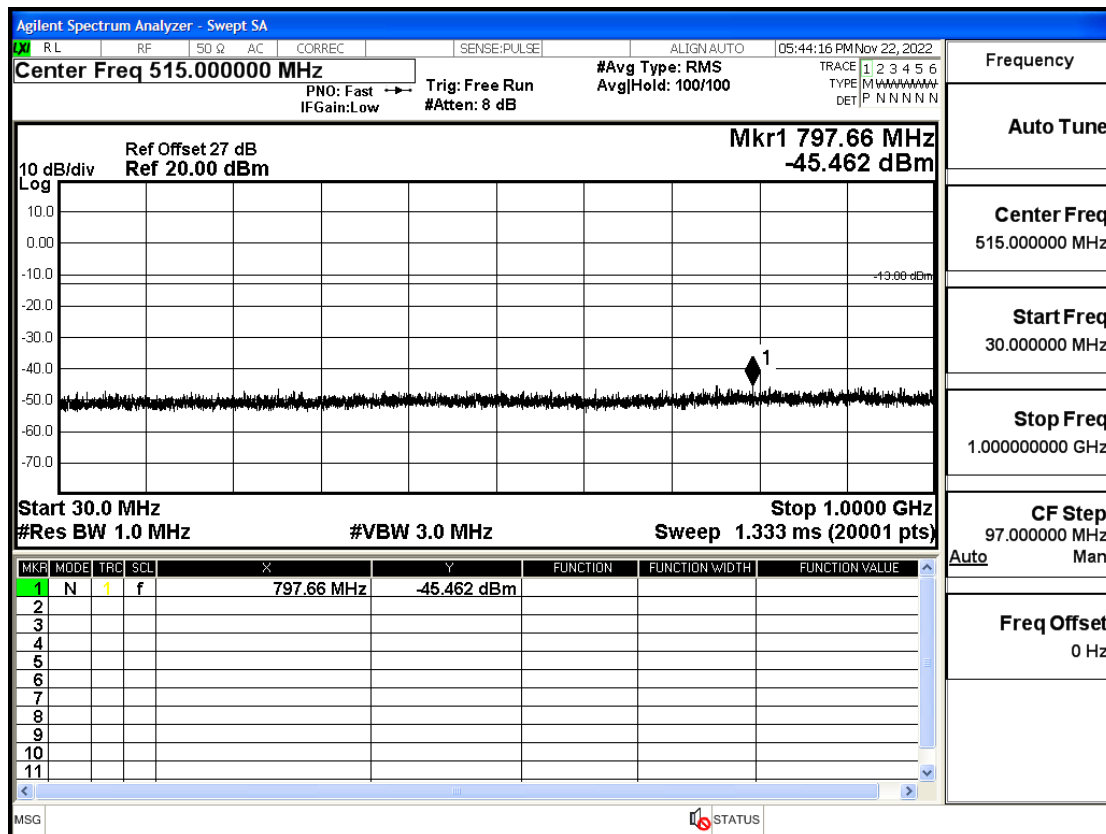
OB4-20-1720-Q16-100#LOW@7GHz-13.6GHz@Pass



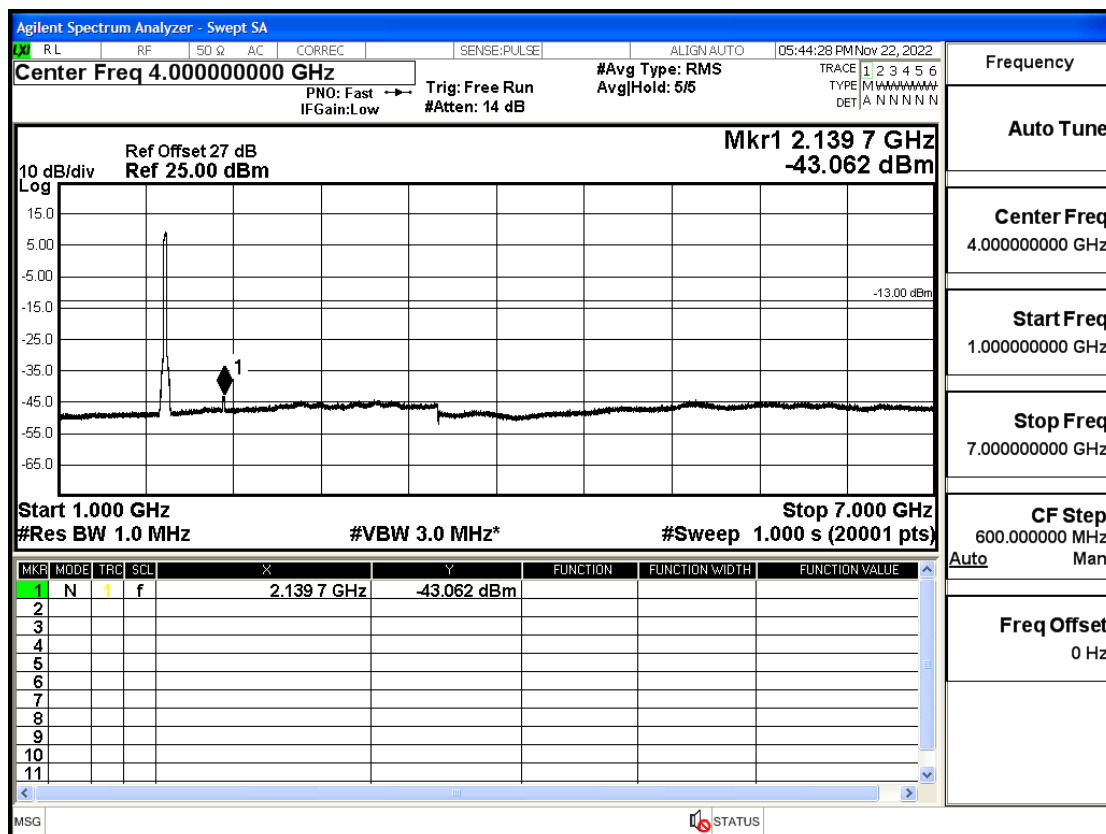
OB4-20-1720-Q16-100#LOW@13.6GHz-20GHz@Pass



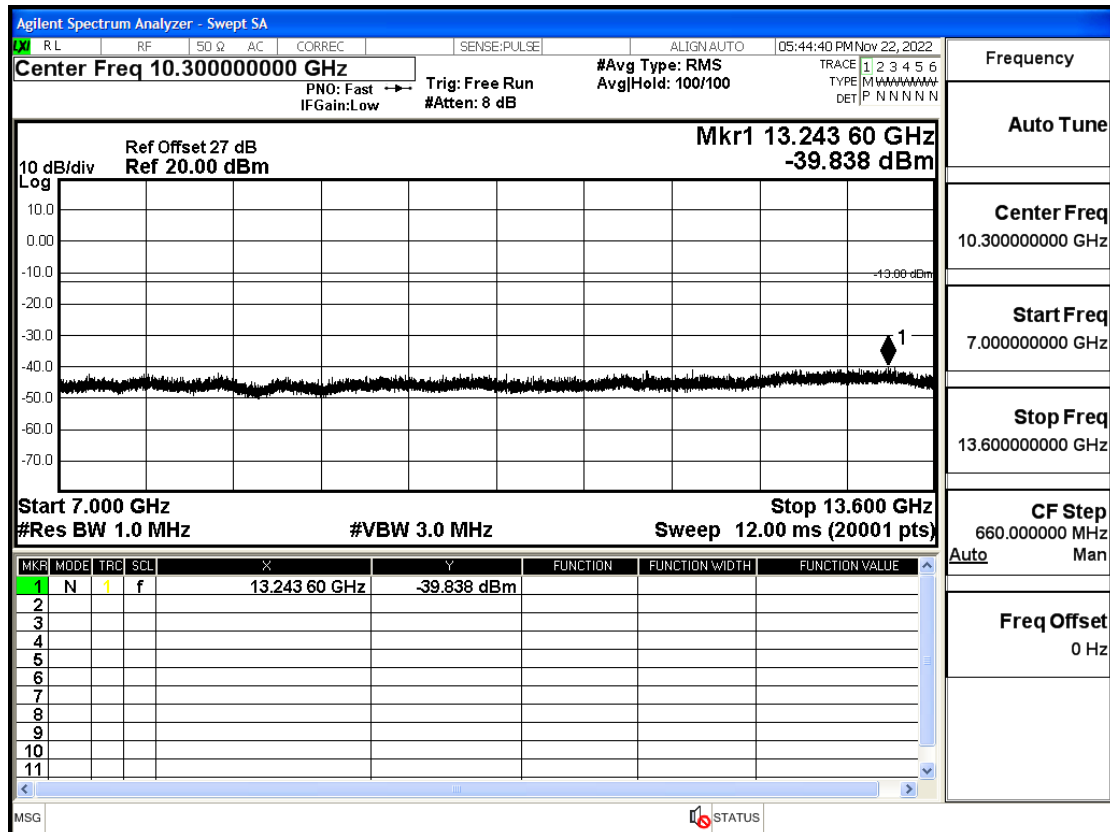
OB4-20-1732.5-Q16-100#LOW@30mHz-1GHz@Pass



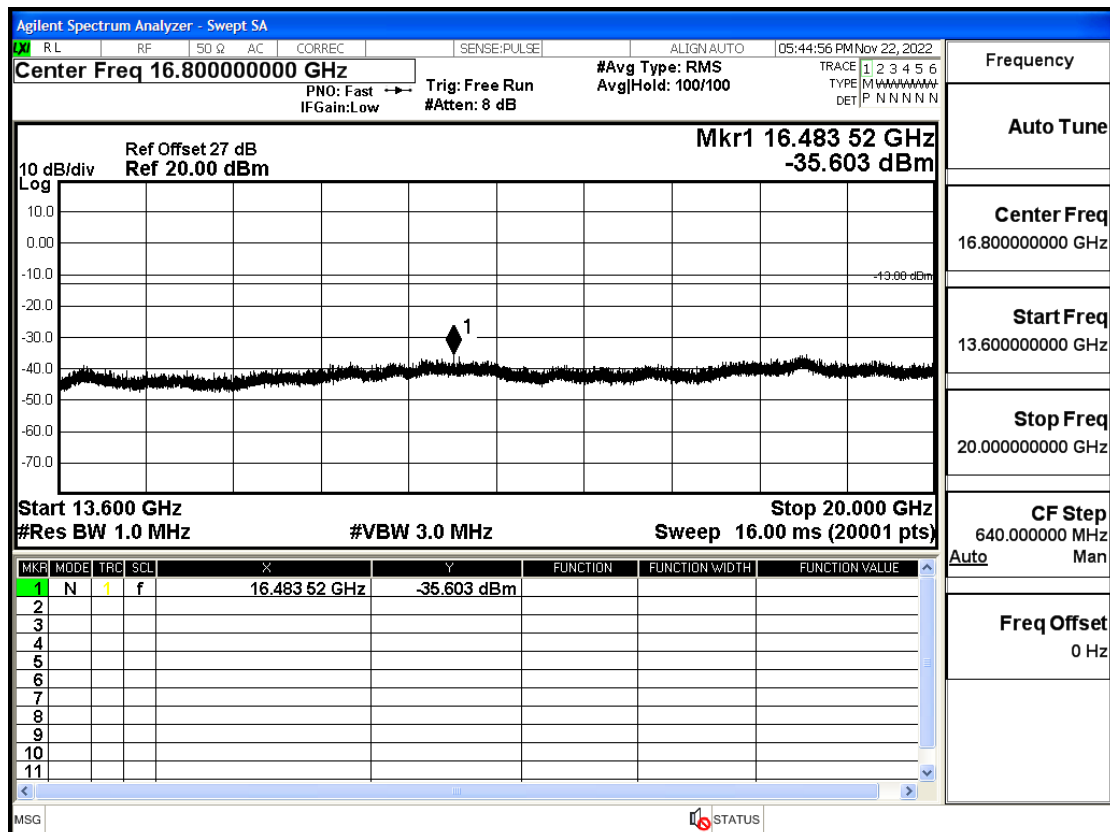
OB4-20-1732.5-Q16-100#LOW@1GHz-7GHz@Pass



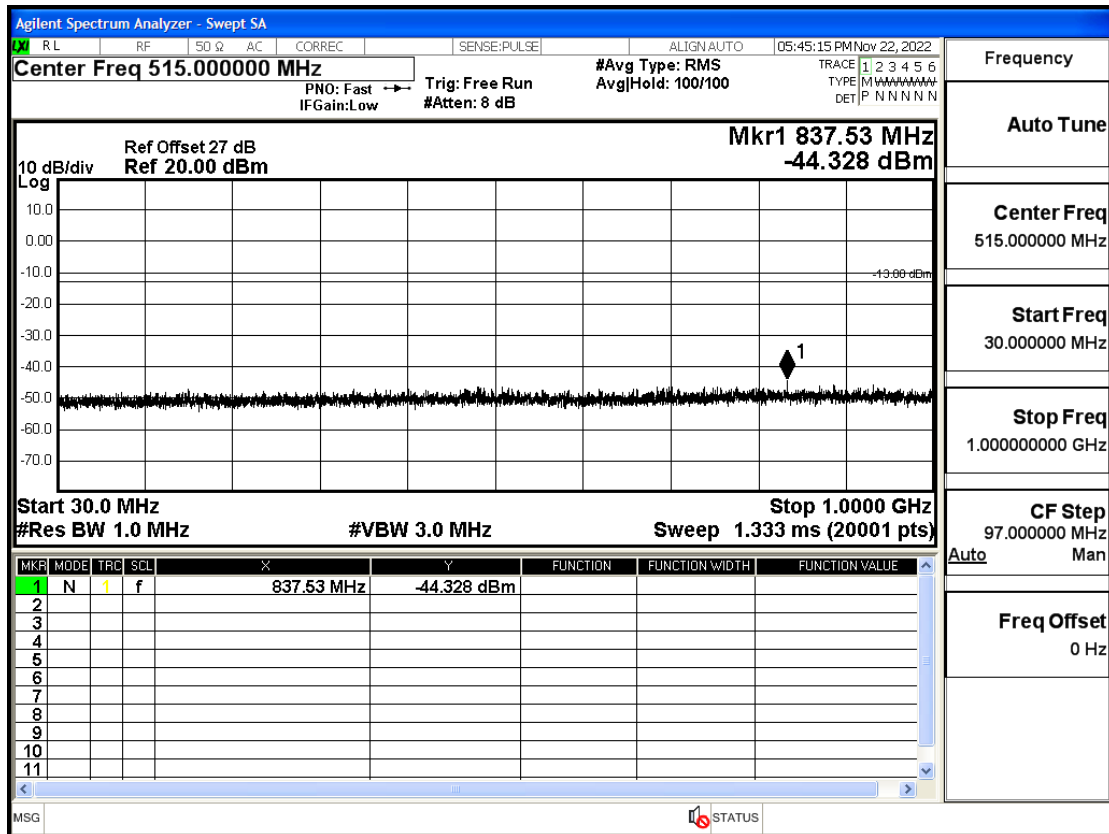
OB4-20-1732.5-Q16-100#LOW@7GHz-13.6GHz@Pass



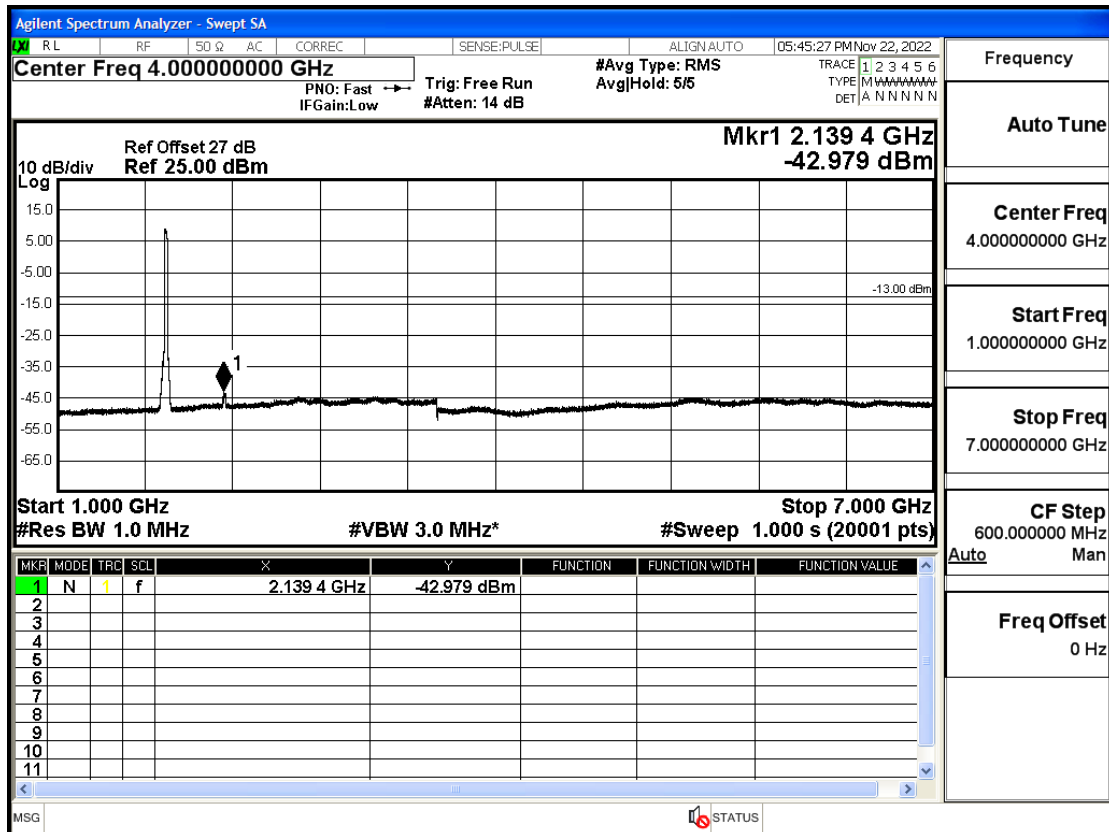
OB4-20-1732.5-Q16-100#LOW@13.6GHz-20GHz@Pass



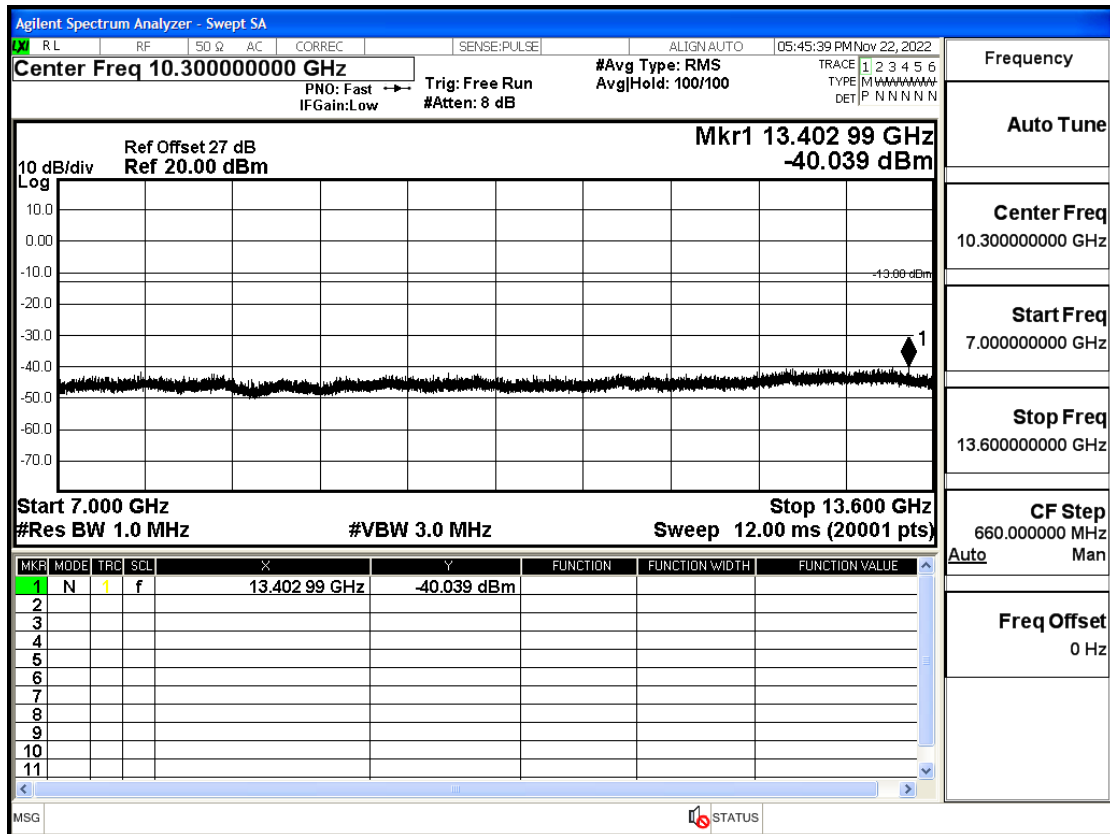
OB4-20-1745-Q16-100#LOW@30mHz-1GHz@Pass



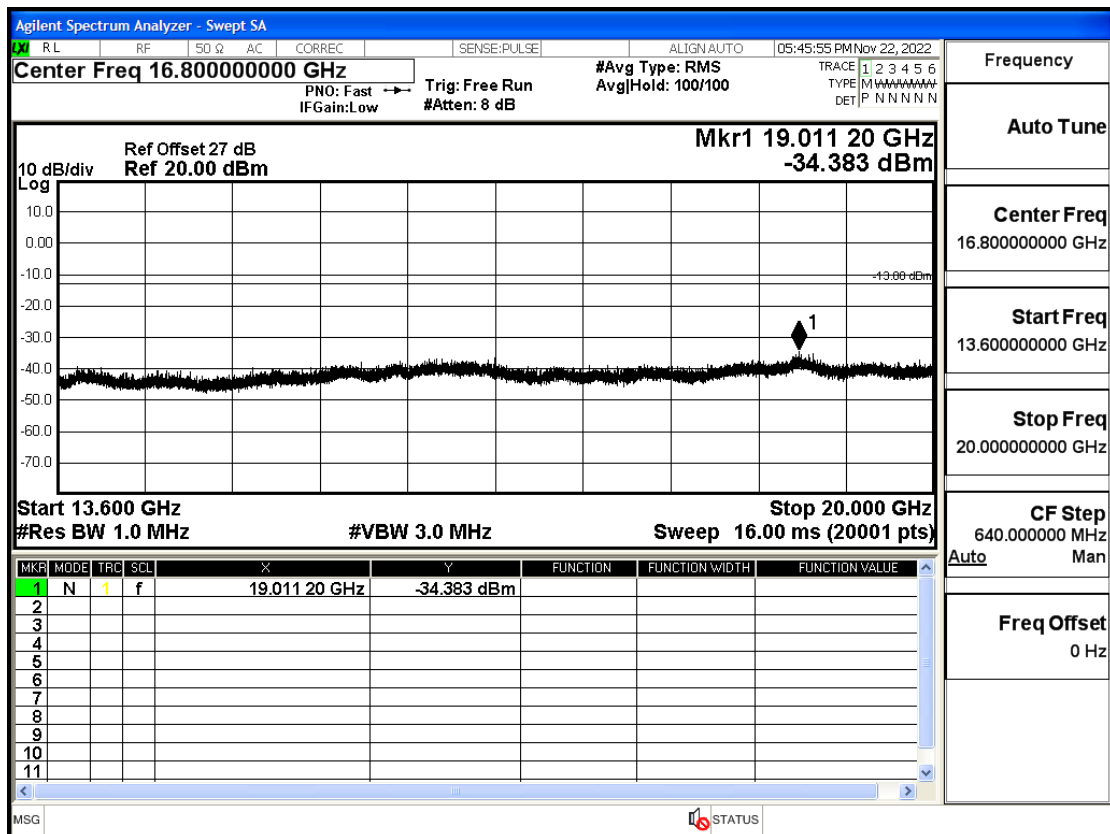
OB4-20-1745-Q16-100#LOW@1GHz-7GHz@Pass



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



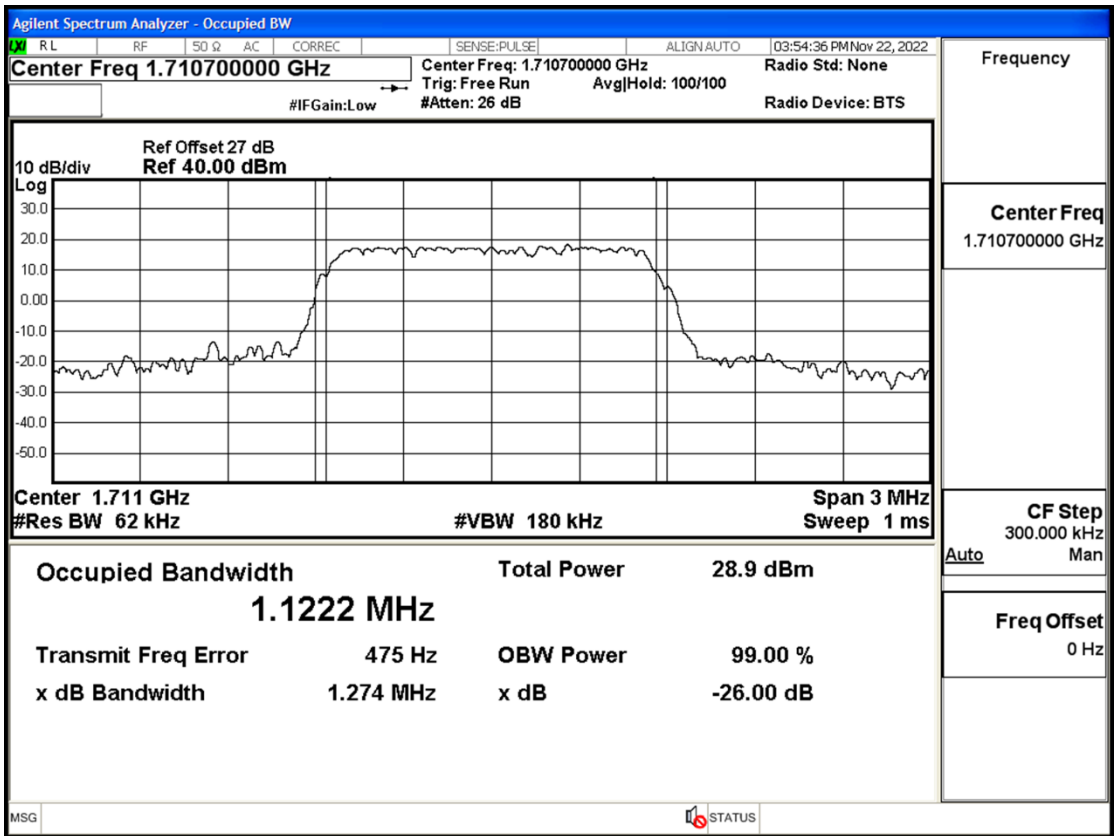
OB4-20-1745-Q16-100#LOW@13.6GHz-20GHz@Pass



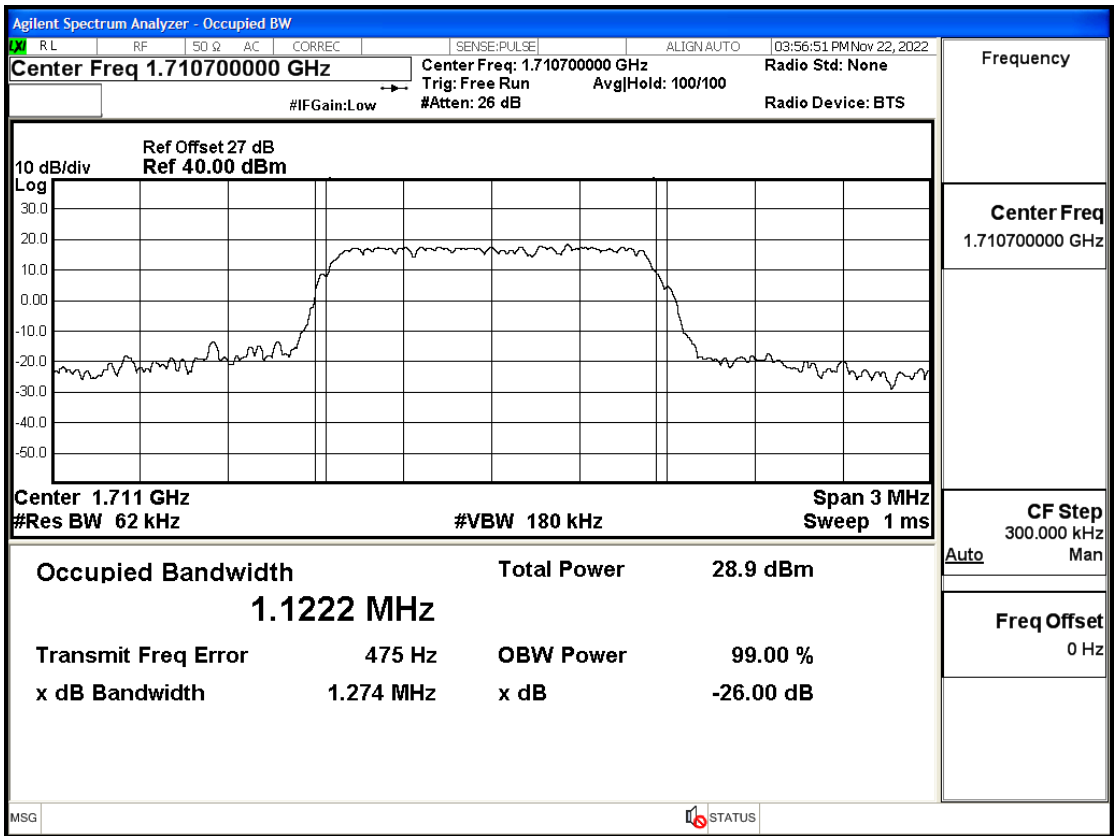
Emission bandwidth and OBW

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	2969.2	3000	No limit
Band4	1.4	1710.7	16QAM	6	LOW	1122.2	1274	No limit
Band4	1.4	1732.5	QPSK	6	LOW	1109.9	1295	No limit
Band4	1.4	1732.5	16QAM	6	LOW	1110.4	1272	No limit
Band4	1.4	1754.3	QPSK	6	LOW	1124.7	1289	No limit
Band4	1.4	1754.3	16QAM	6	LOW	1117	1288	No limit
Band4	3	1711.5	QPSK	15	LOW	2751.5	3088	No limit
Band4	3	1711.5	16QAM	15	LOW	2761.8	3050	No limit
Band4	3	1732.5	QPSK	15	LOW	2751.2	3097	No limit
Band4	3	1732.5	16QAM	15	LOW	2760.2	3111	No limit
Band4	3	1753.5	QPSK	15	LOW	2773.3	3097	No limit
Band4	3	1753.5	16QAM	15	LOW	2766.1	3142	No limit
Band4	5	1712.5	QPSK	25	LOW	4585.4	5071	No limit
Band4	5	1712.5	16QAM	25	LOW	4567.6	5111	No limit
Band4	5	1732.5	QPSK	25	LOW	4568.3	5095	No limit
Band4	5	1732.5	16QAM	25	LOW	4580.2	5133	No limit
Band4	5	1752.5	QPSK	25	LOW	4572	5084	No limit
Band4	5	1752.5	16QAM	25	LOW	4582.3	5078	No limit
Band4	10	1715	QPSK	50	LOW	9103.8	10160	No limit
Band4	10	1715	16QAM	50	LOW	9109.7	9965	No limit
Band4	10	1732.5	QPSK	50	LOW	9070.8	9992	No limit
Band4	10	1732.5	16QAM	50	LOW	9065.4	9965	No limit
Band4	10	1750	QPSK	50	LOW	9084.9	9971	No limit
Band4	10	1750	16QAM	50	LOW	9155.2	10070	No limit
Band4	15	1717.5	QPSK	75	LOW	13649	15430	No limit
Band4	15	1717.5	16QAM	75	LOW	13710	15250	No limit
Band4	15	1732.5	QPSK	75	LOW	13676	14920	No limit
Band4	15	1732.5	16QAM	75	LOW	13652	15350	No limit
Band4	15	1747.5	QPSK	75	LOW	13633	15220	No limit
Band4	15	1747.5	16QAM	75	LOW	13692	15090	No limit
Band4	20	1720	QPSK	100	LOW	18264	20270	No limit
Band4	20	1720	16QAM	100	LOW	18319	20420	No limit
Band4	20	1732.5	QPSK	100	LOW	18211	19910	No limit
Band4	20	1732.5	16QAM	100	LOW	18204	20170	No limit
Band4	20	1745	QPSK	100	LOW	18319	20260	No limit
Band4	20	1745	16QAM	100	LOW	18188	20190	No limit

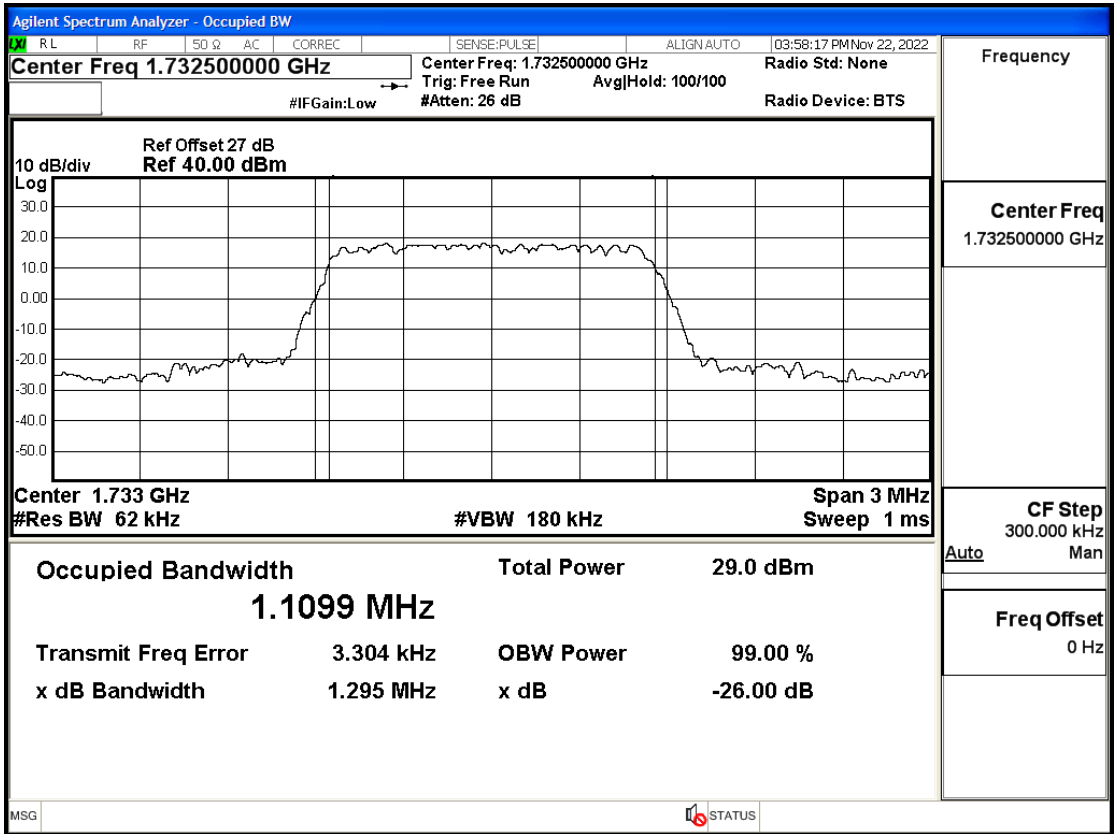
Band4-1.4-1710.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



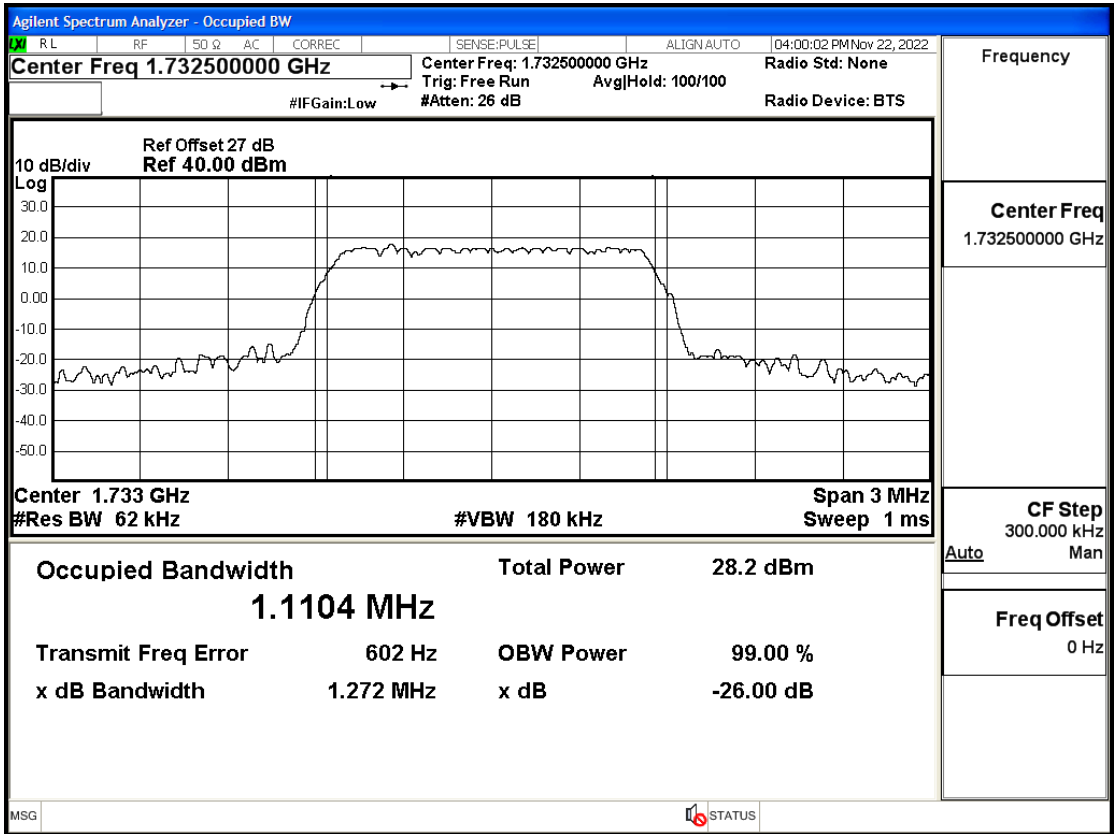
Band4-1.4-1710.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



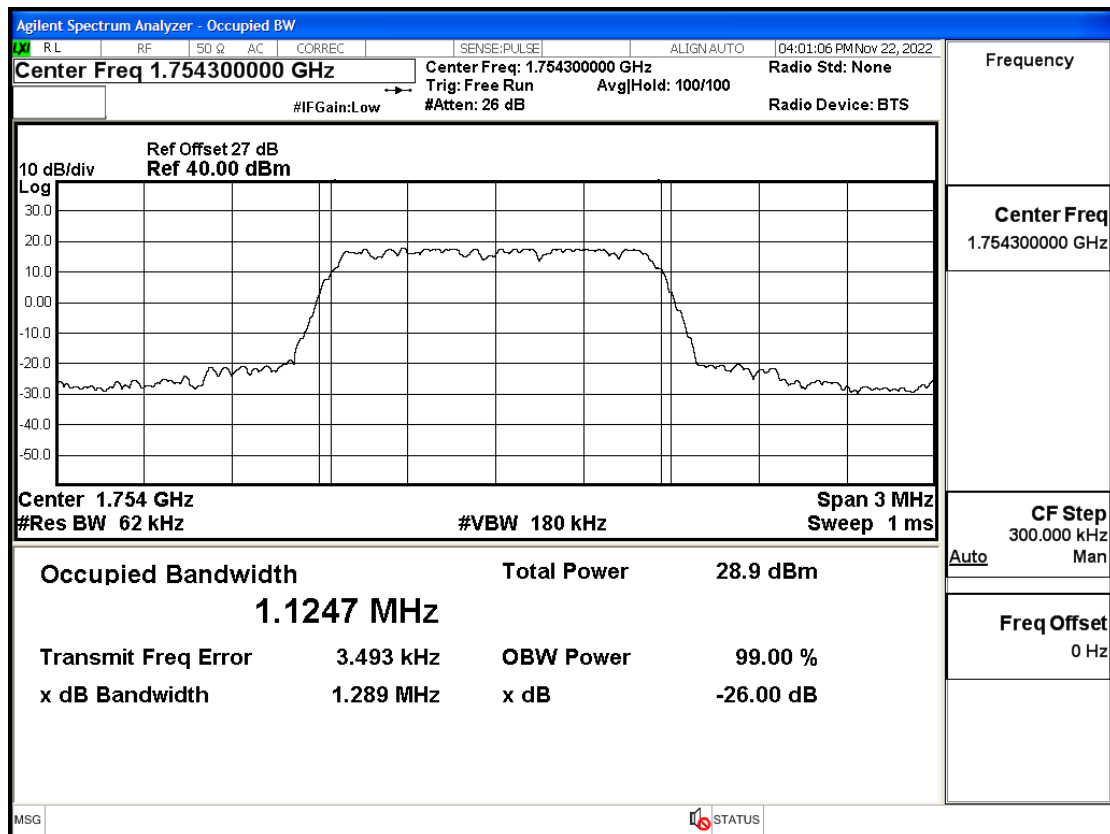
Band4-1.4-1732.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



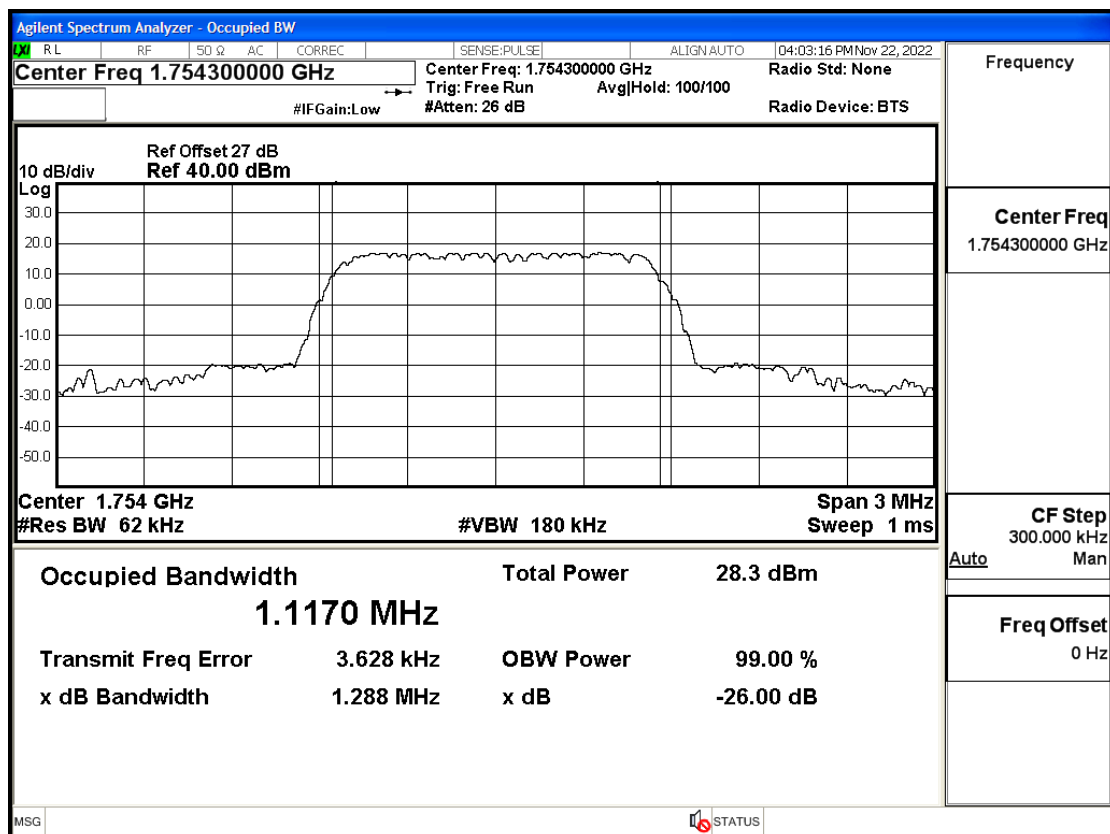
Band4-1.4-1732.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



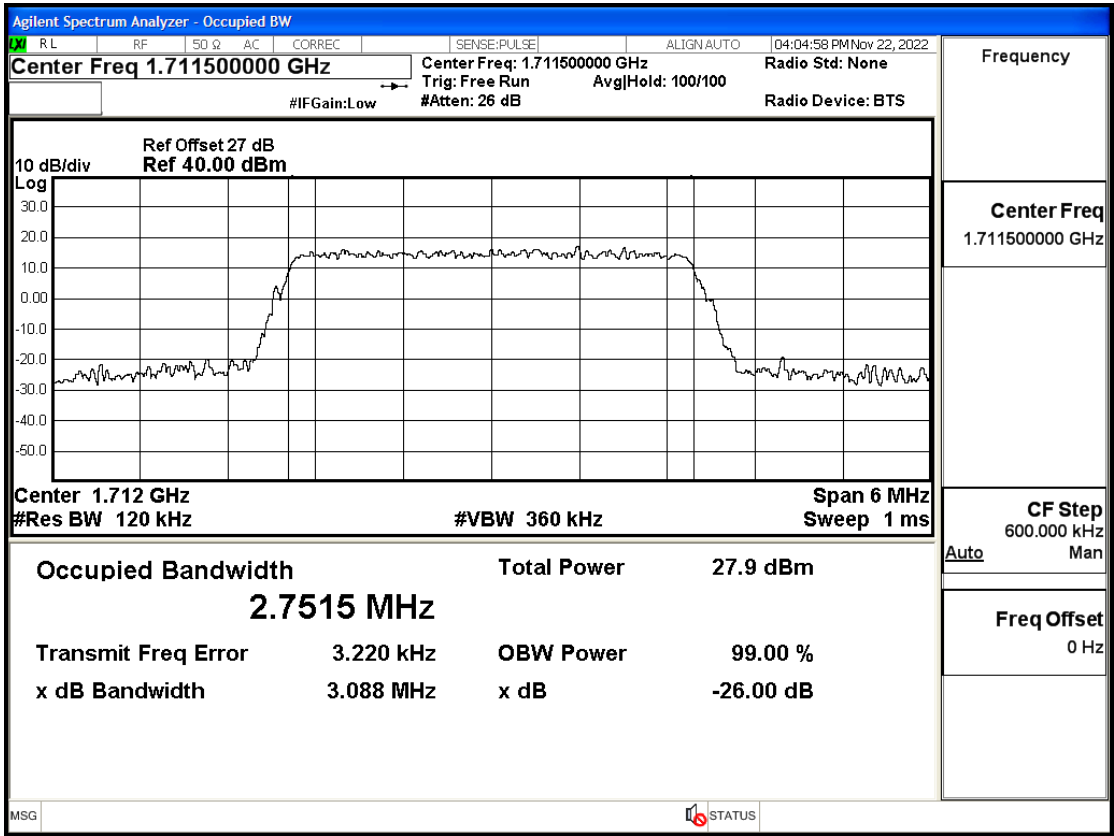
Band4-1.4-1754.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



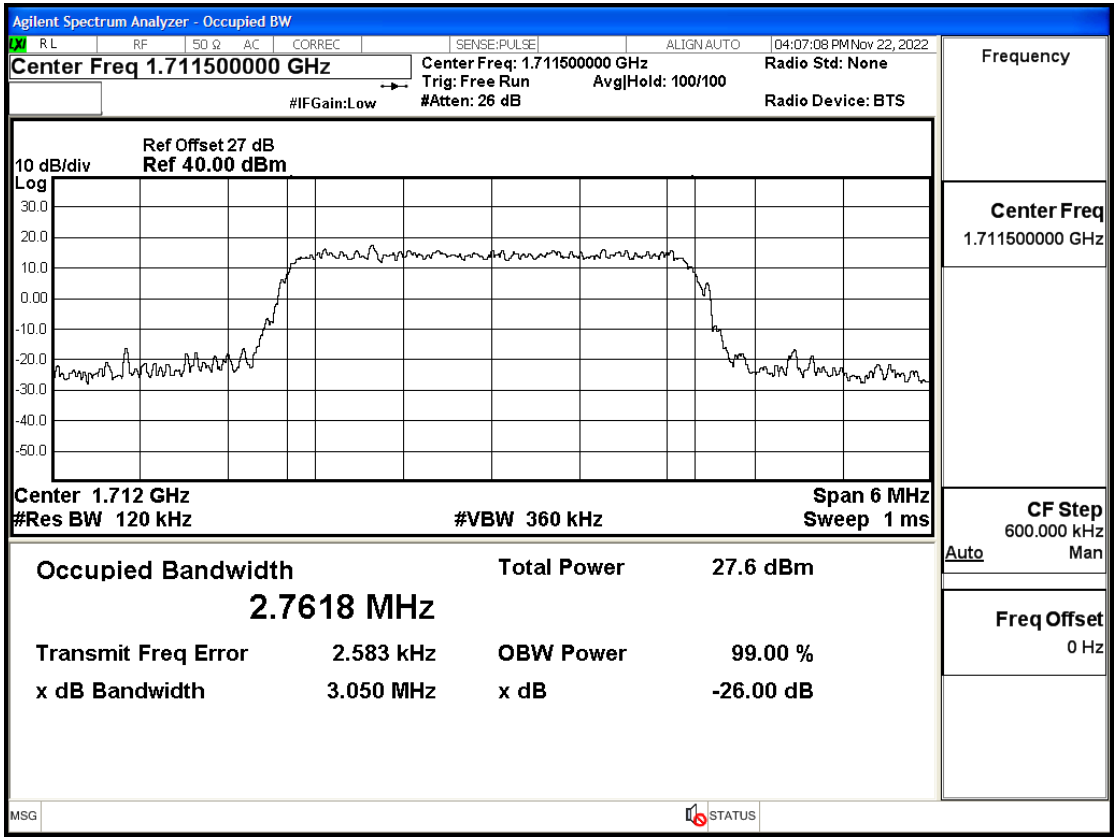
Band4-1.4-1754.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



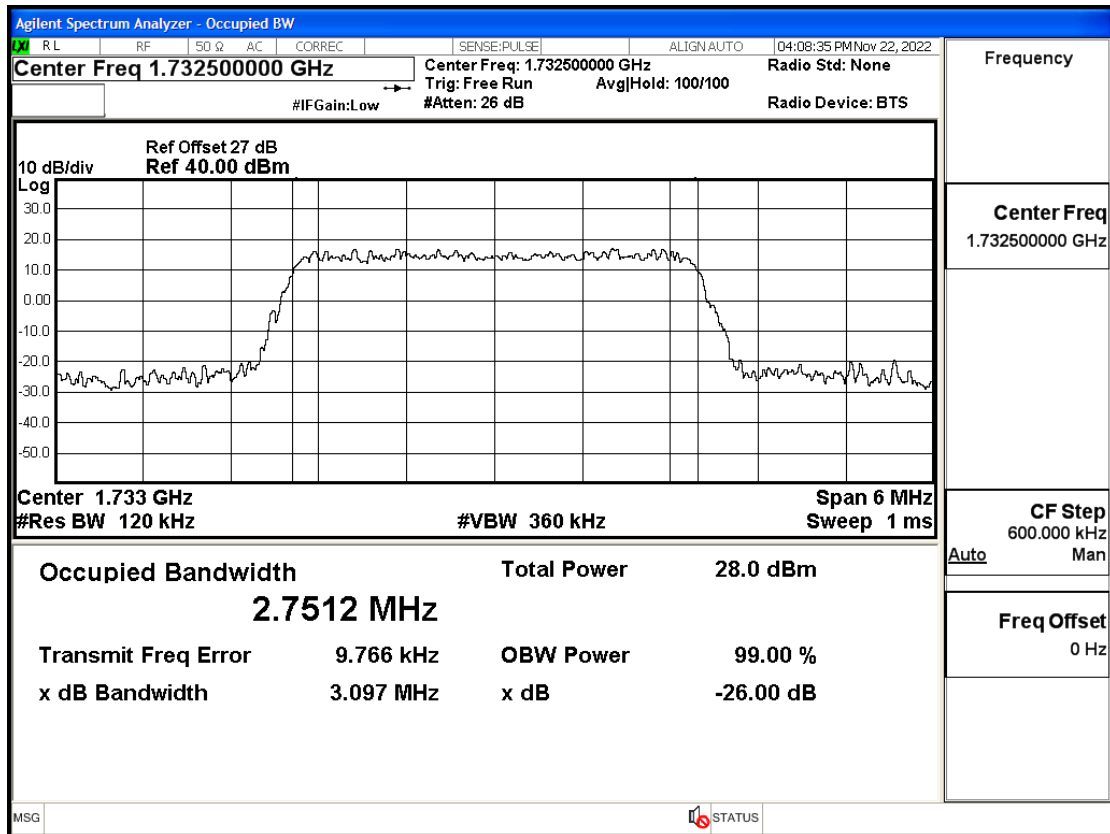
Band4-3-1711.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



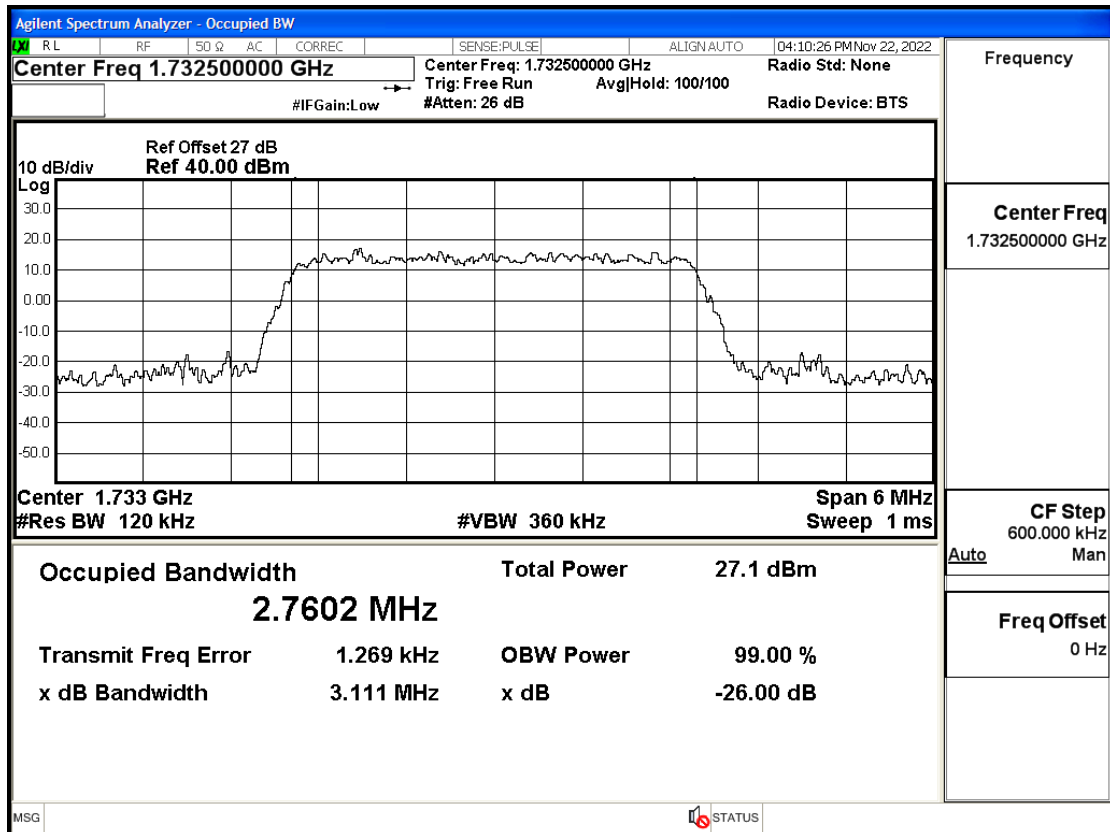
Band4-3-1711.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



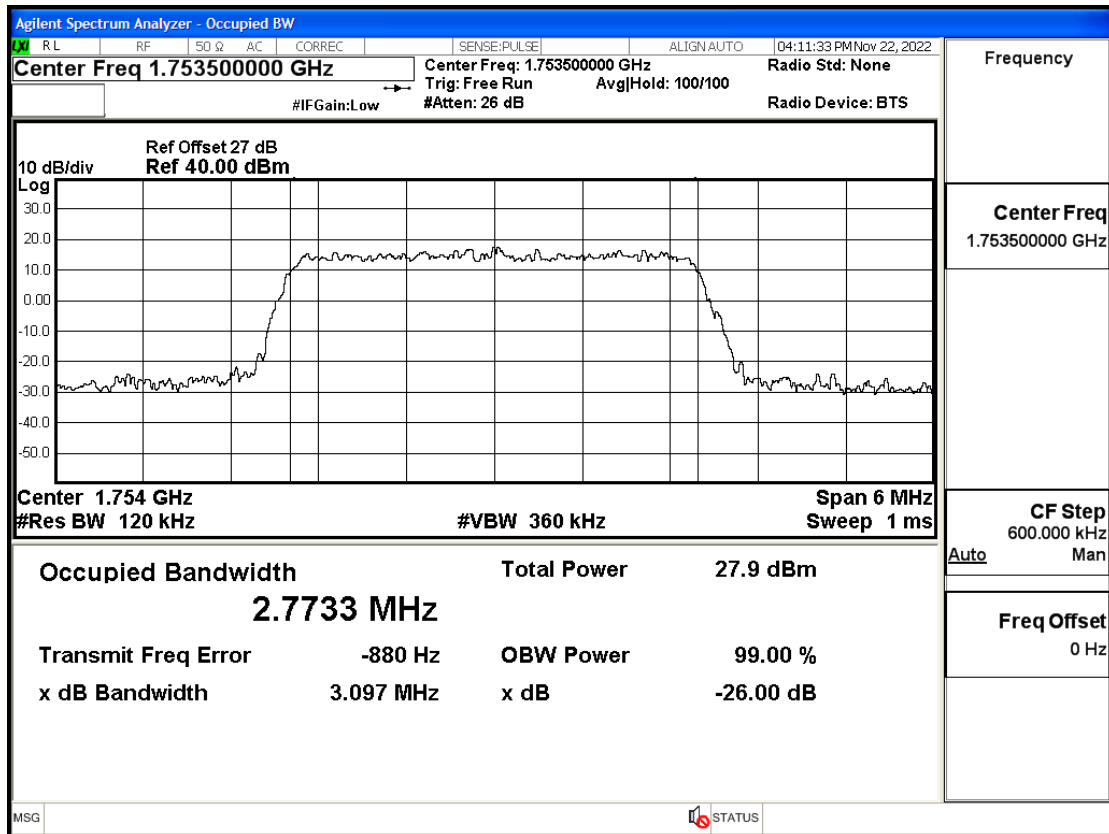
Band4-3-1732.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



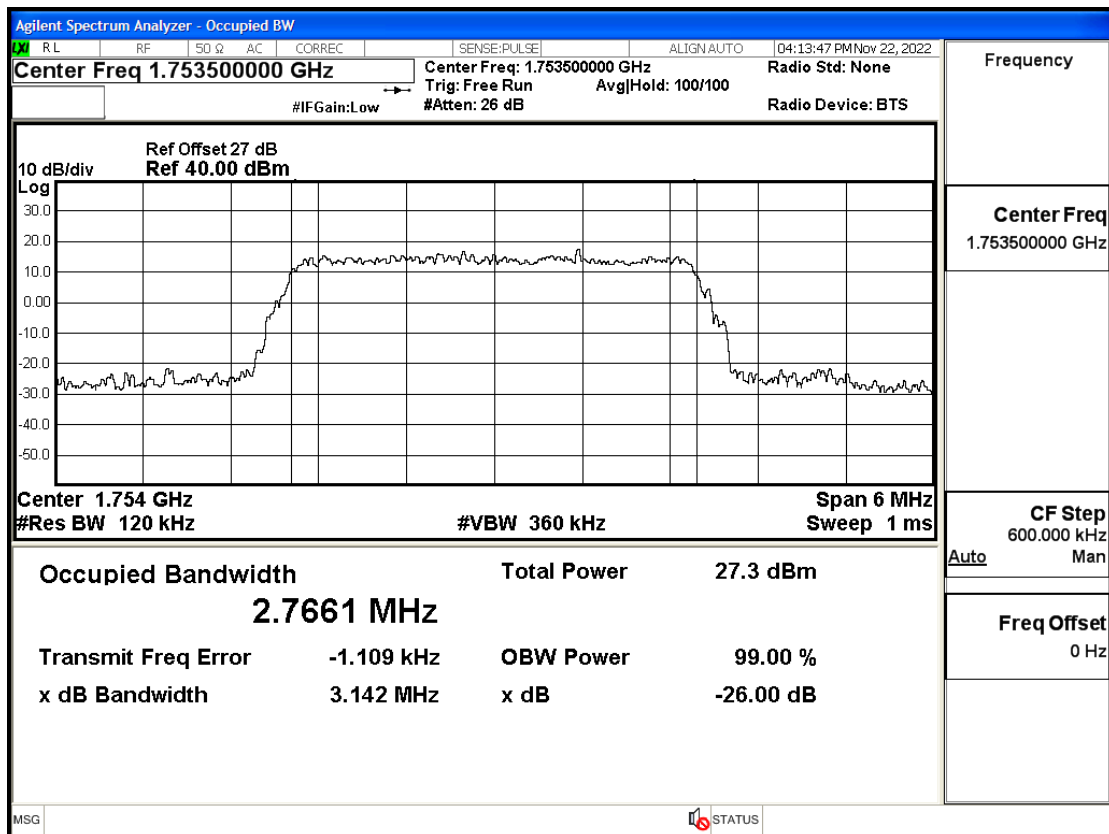
Band4-3-1732.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



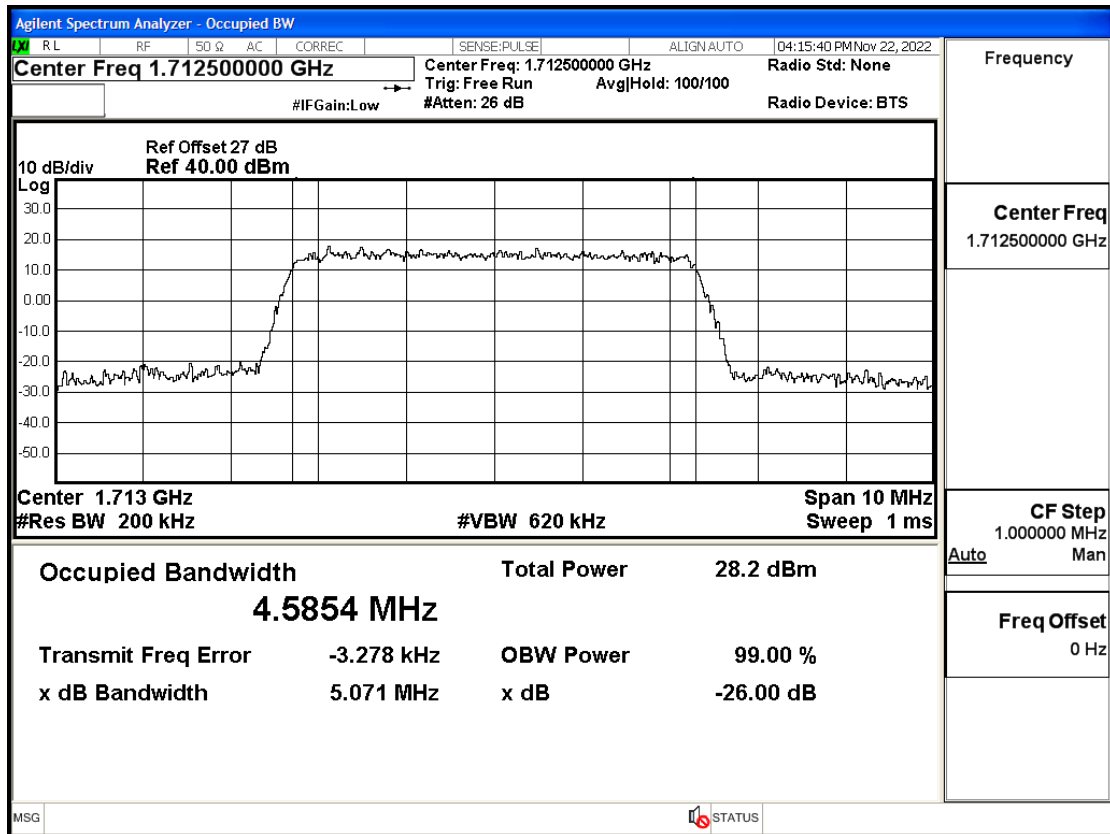
Band4-3-1753.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



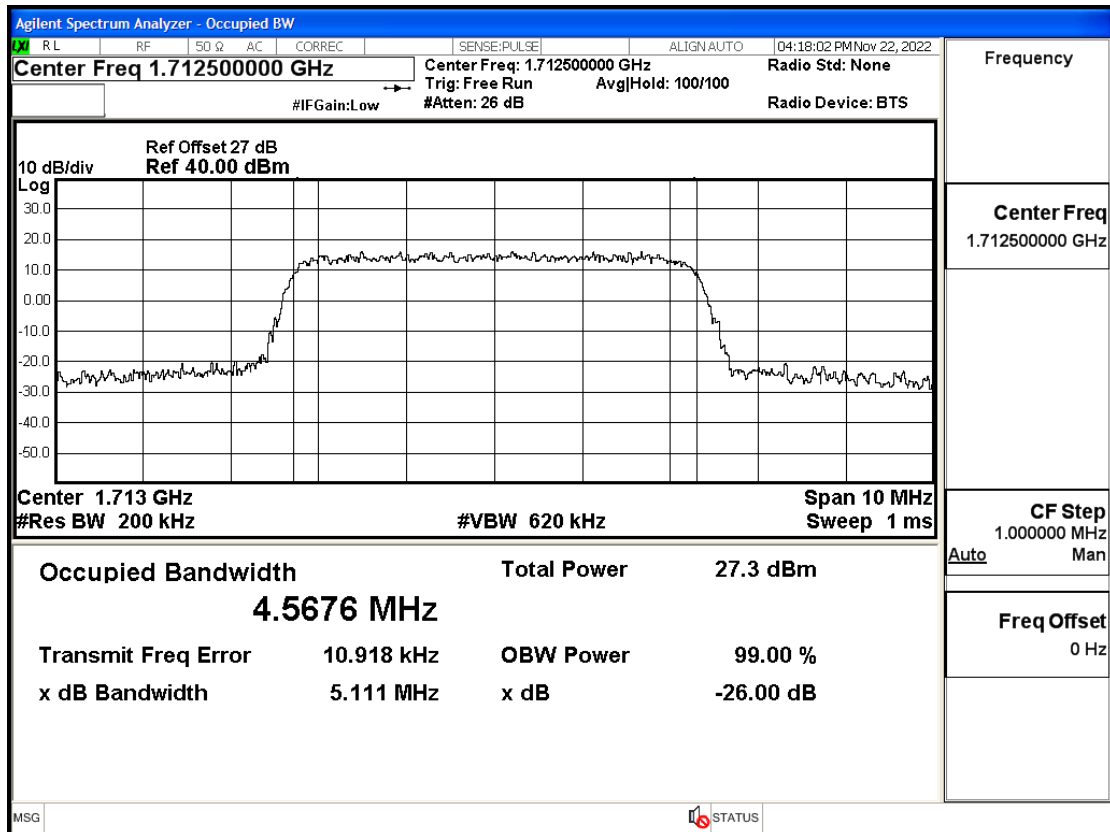
Band4-3-1753.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



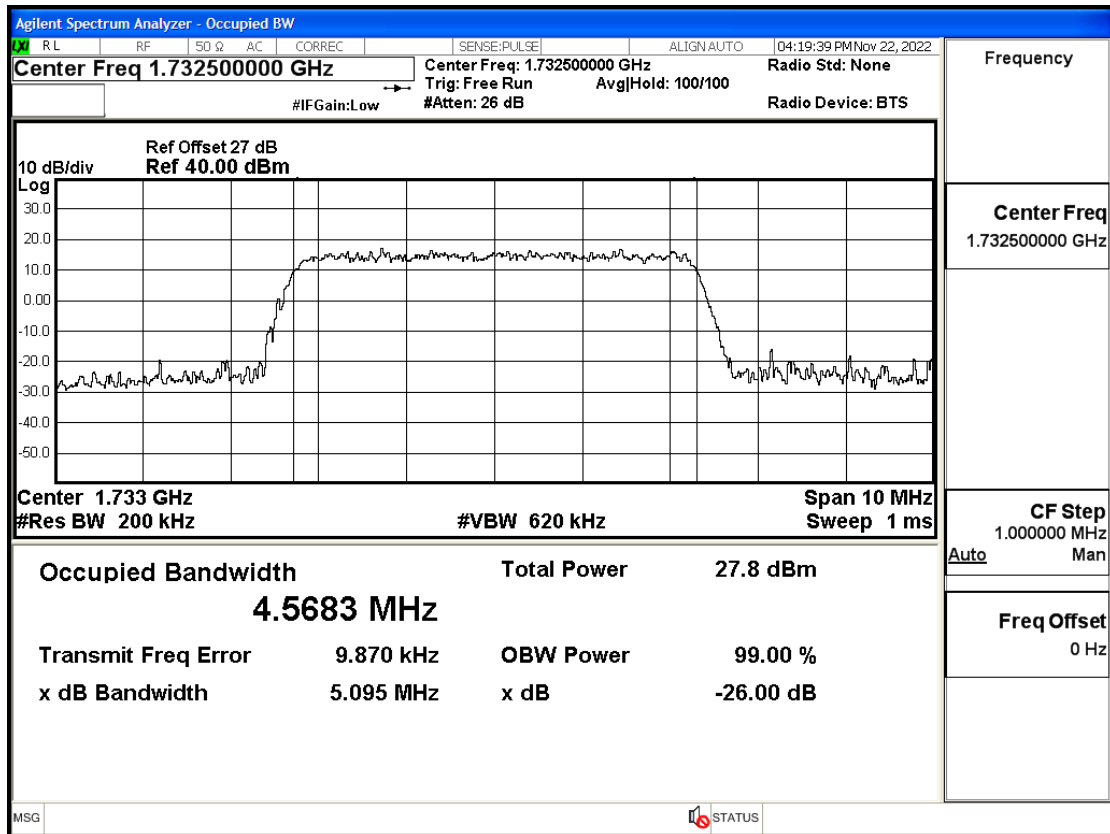
Band4-5-1712.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



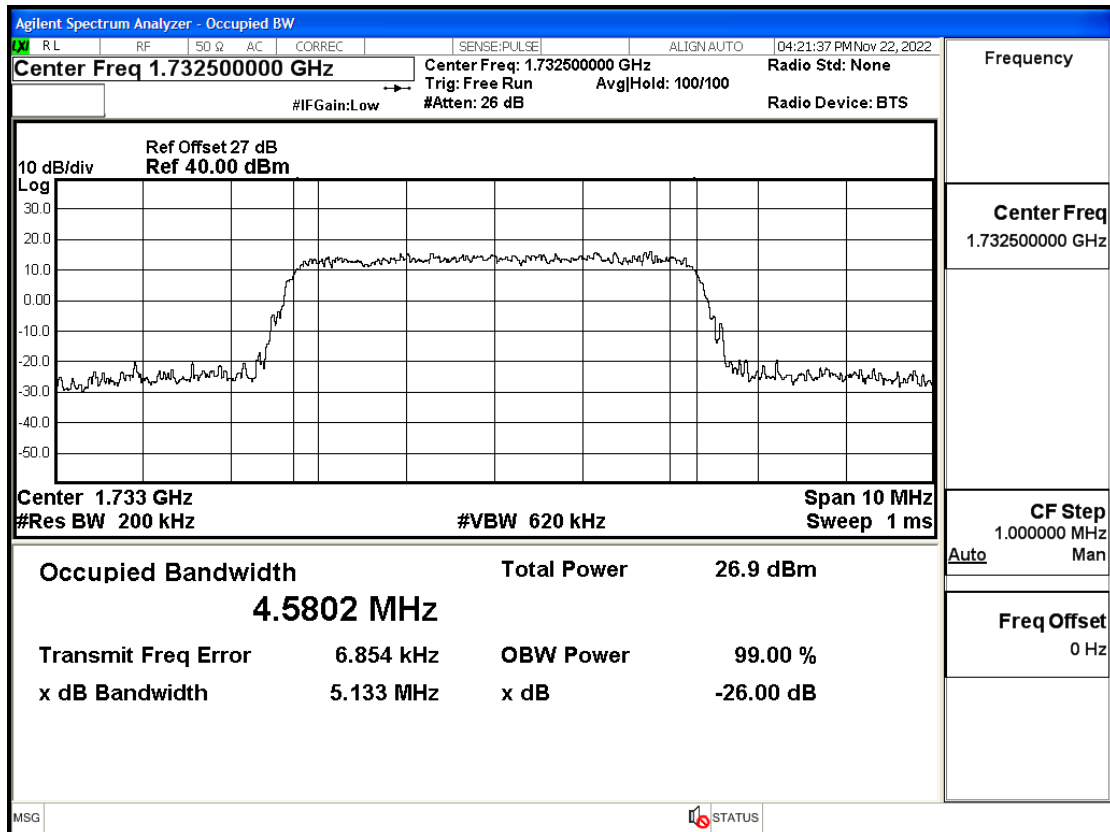
Band4-5-1712.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



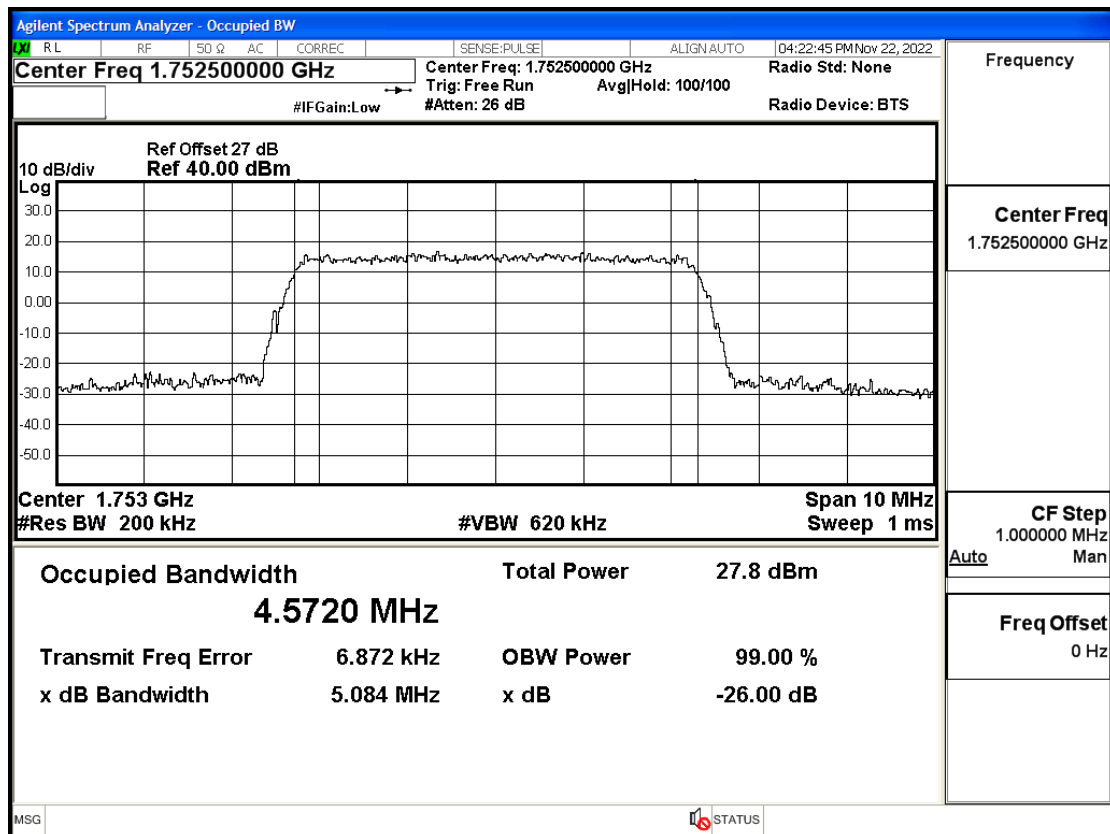
Band4-5-1732.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



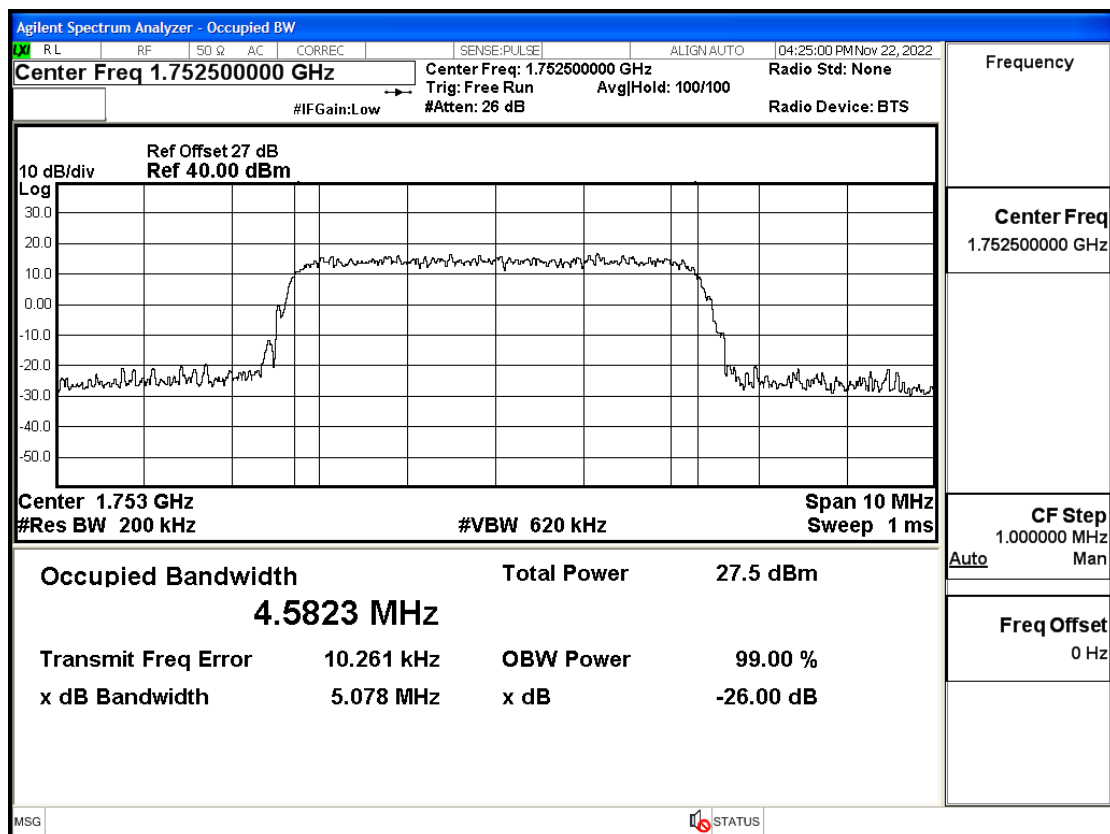
Band4-5-1732.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



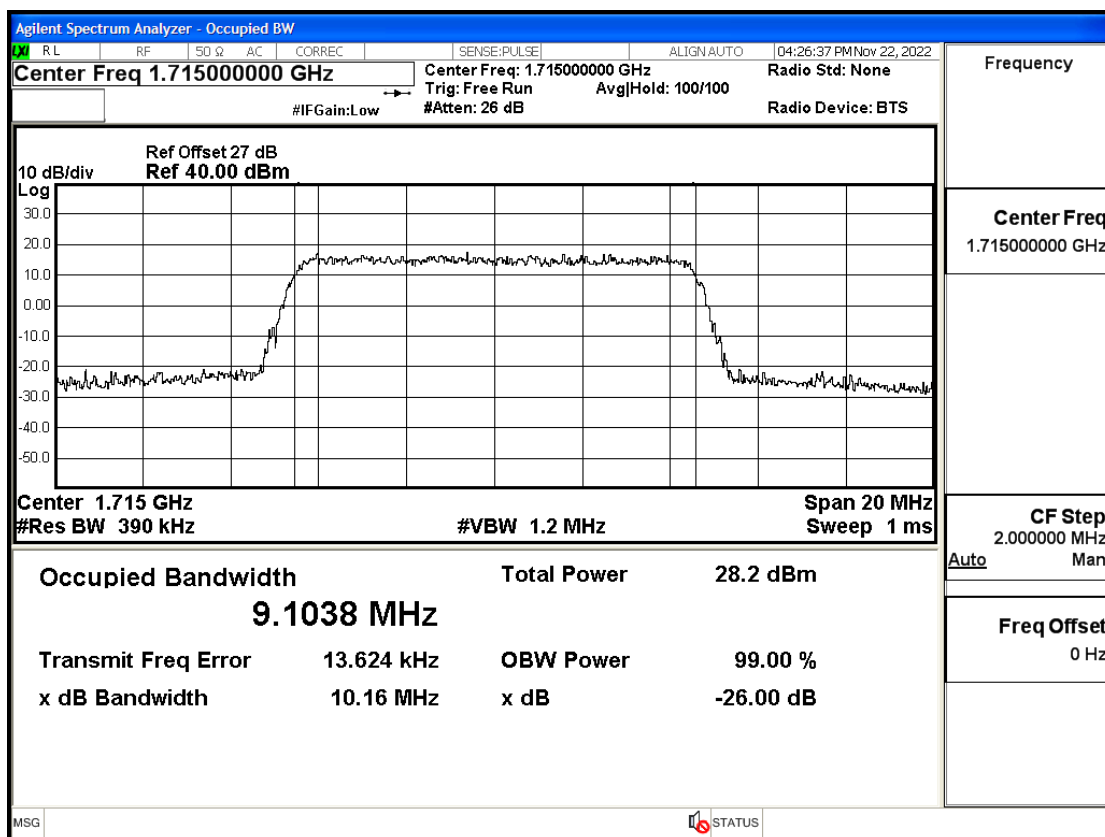
Band4-5-1752.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



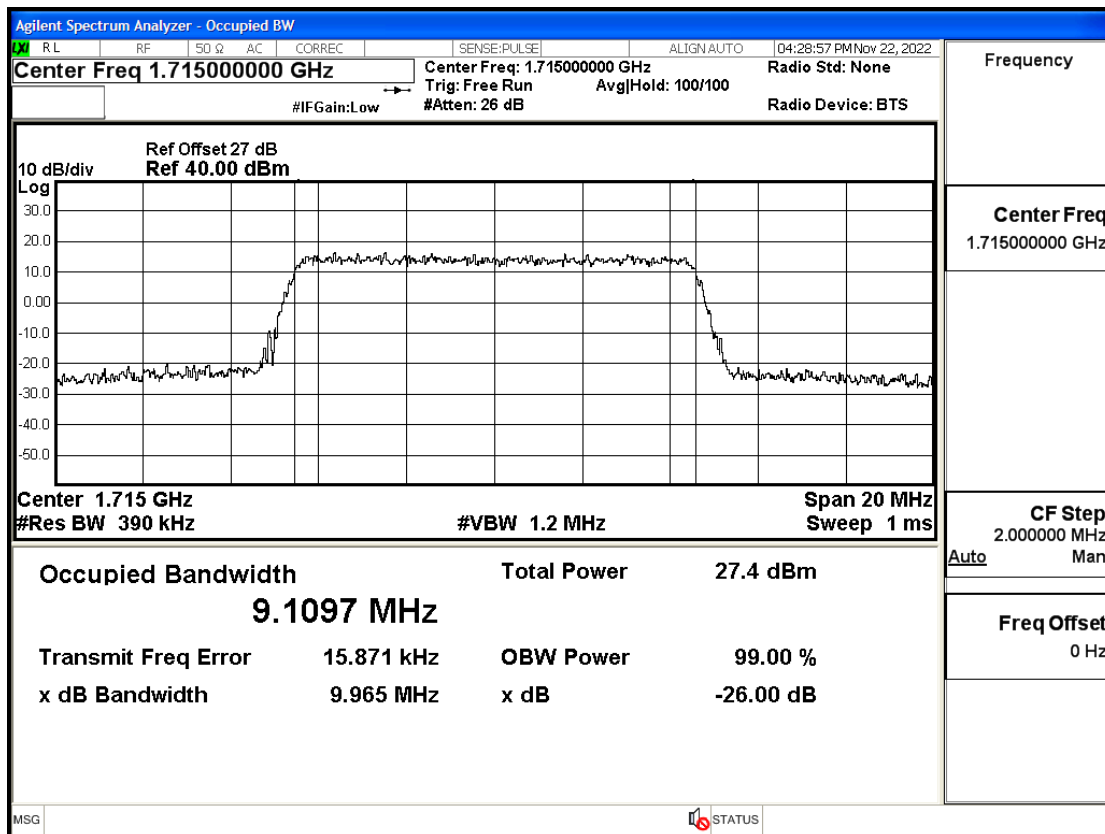
Band4-5-1752.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



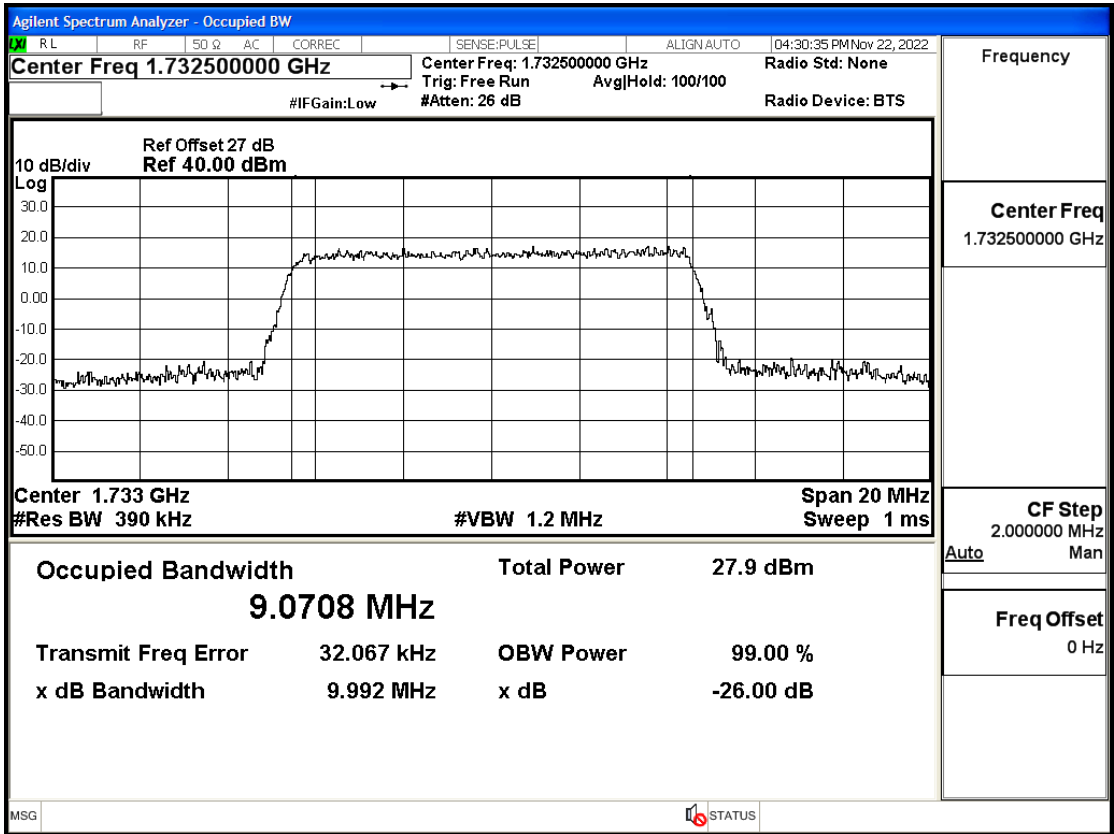
Band4-10-1715-QPSK-50#LOW@26dB and 99PCT Bandwidth



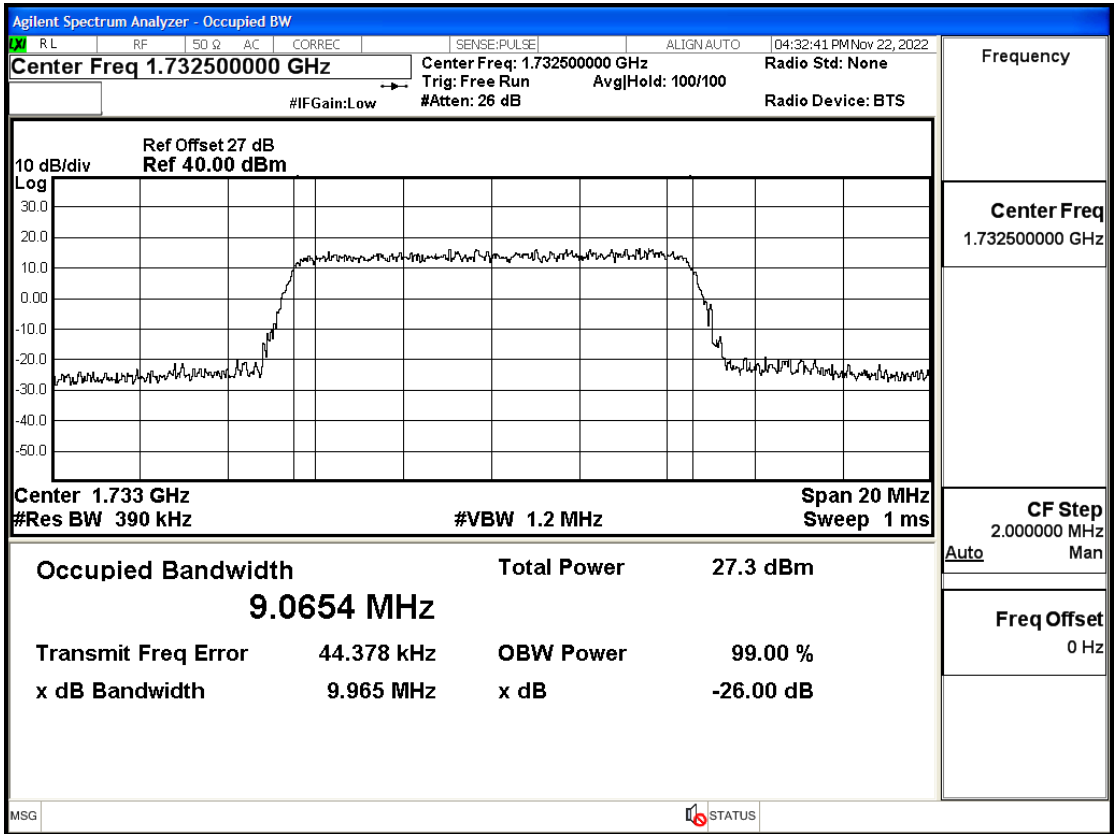
Band4-10-1715-16QAM-50#LOW@26dB and 99PCT Bandwidth



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



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



Agilent Spectrum Analyzer - Occupied BW

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN: AUTO 04:33:56 PM Nov 22, 2022

Center Freq 1.750000000 GHz Center Freq: 1.750000000 GHz Radio Std: None
 Trig: Free Run Avg/Hold: 100/100
 #IFGain: Low #Atten: 26 dB Radio Device: BTS

Ref Offset 27 dB
 Ref 40.00 dBm

10 dB/div
 Log

Center 1.75 GHz Span 20 MHz
 #Res BW 390 kHz #VBW 1.2 MHz Sweep 1 ms

Occupied Bandwidth	Total Power	28.2 dBm
9.0849 MHz		
Transmit Freq Error	7.564 kHz	OBW Power
x dB Bandwidth	9.971 MHz	x dB
		99.00 %
		-26.00 dB

CF Step 2.000000 MHz
 Auto Man
 Freq Offset 0 Hz

MSG STATUS

Agilent Spectrum Analyzer - Occupied BW

EX R L RF 50 Ω AC CORREC SENSE:PULSE ALIGN: AUTO 04:36:28 PM Nov 22, 2022

Center Freq 1.75000000 GHz Center Freq: 1.75000000 GHz Radio Std: None
 Trig: Free Run Avg/Hold: 100/100
 #IFGain: Low #Atten: 26 dB Radio Device: BTS

10 dB/div Ref Offset 27 dB
 Ref 40.00 dBm

Center 1.75 GHz Span 20 MHz
 #Res BW 390 kHz #VBW 1.2 MHz Sweep 1 ms

Occupied Bandwidth		Total Power	
9.1552 MHz		27.2 dBm	

Transmit Freq Error		OBW Power	
-8.730 kHz		99.00 %	

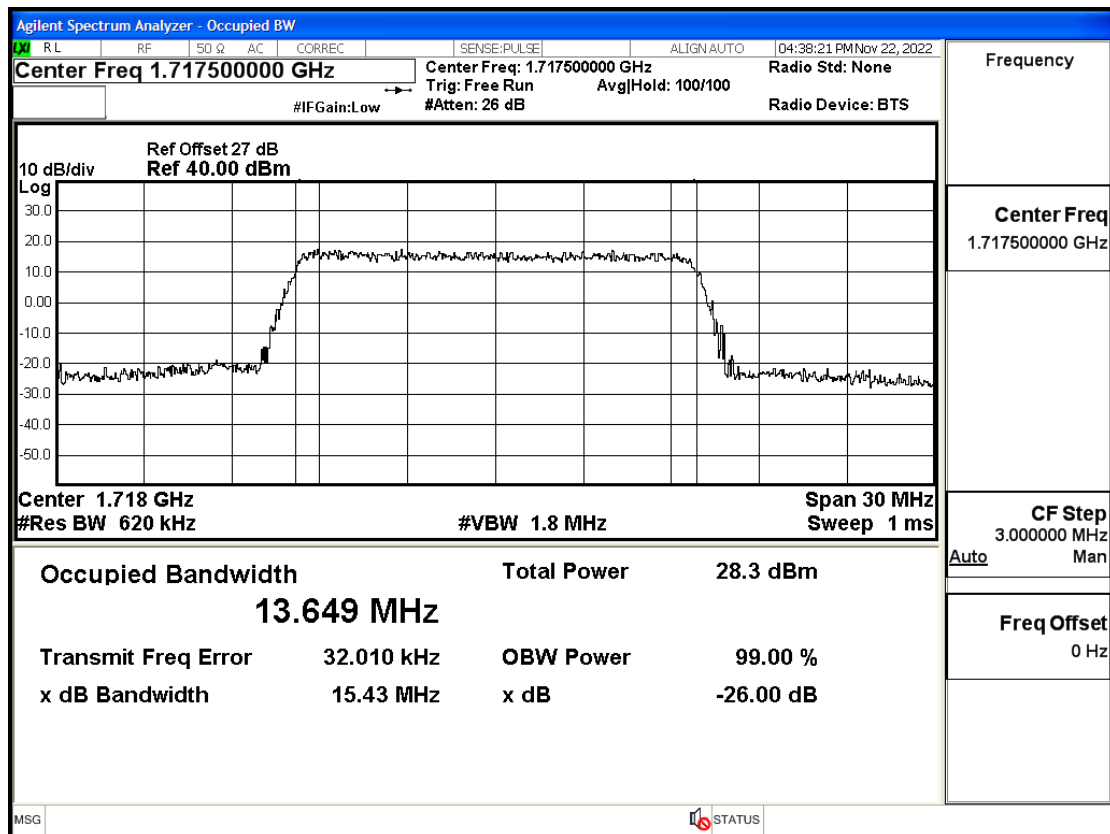
x dB Bandwidth		x dB	
10.07 MHz		-26.00 dB	

CF Step 2.000000 MHz
 Auto Man

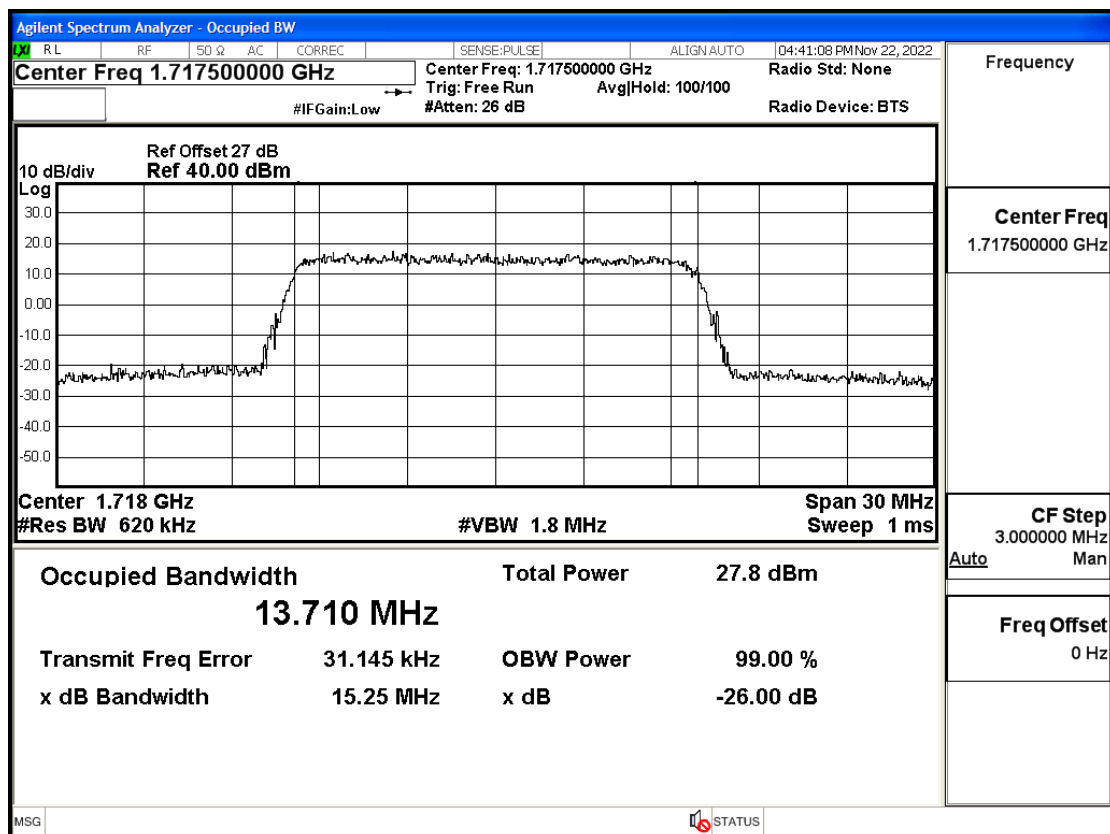
Freq Offset 0 Hz

MSG STATUS

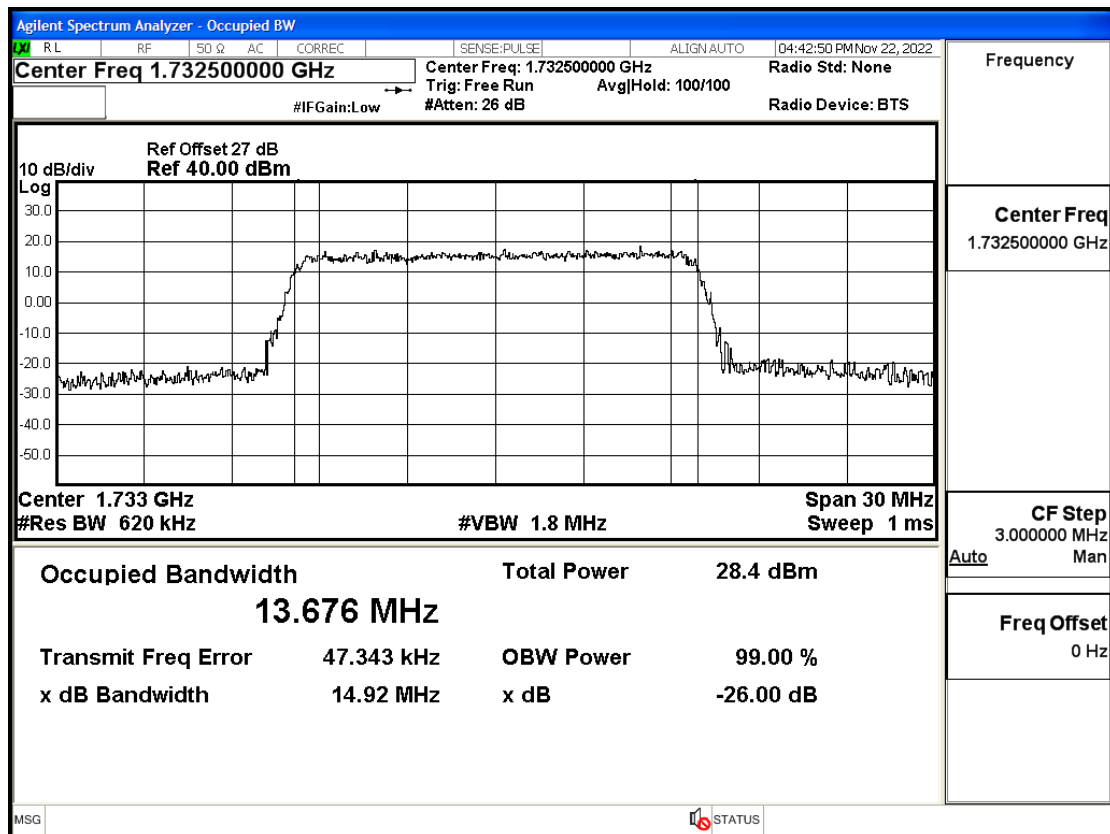
Band4-15-1717.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



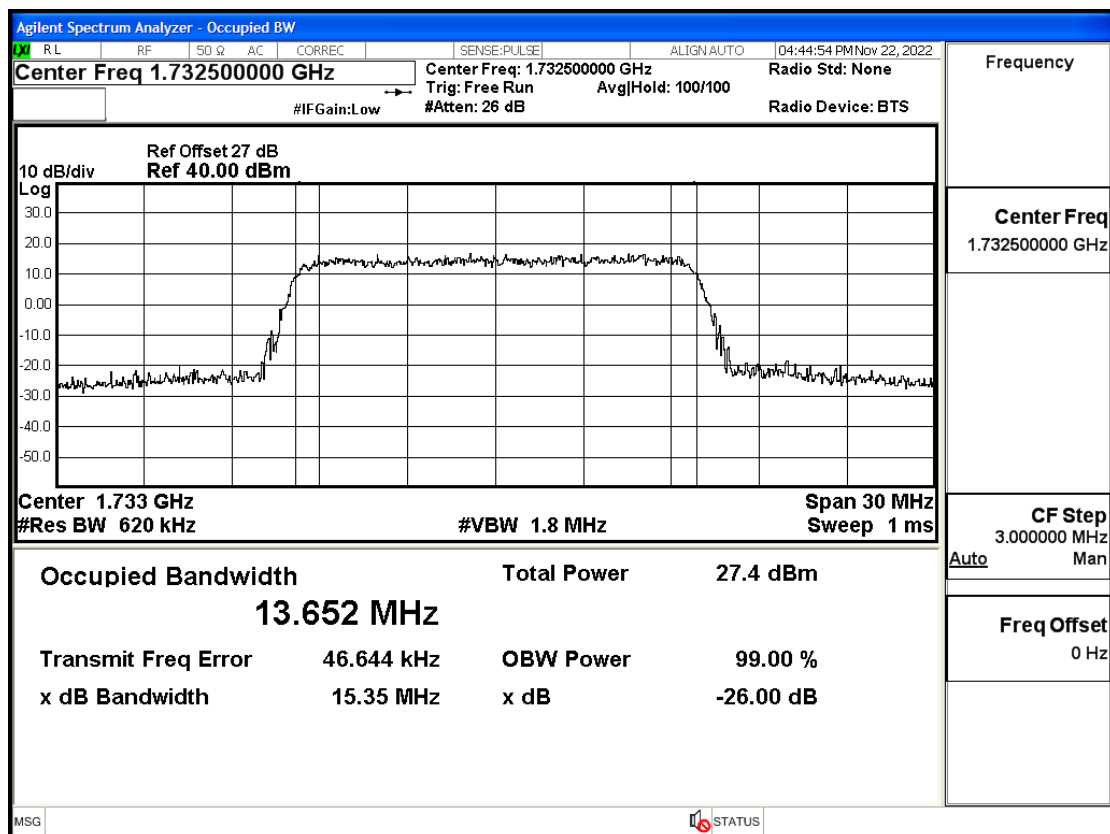
Band4-15-1717.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



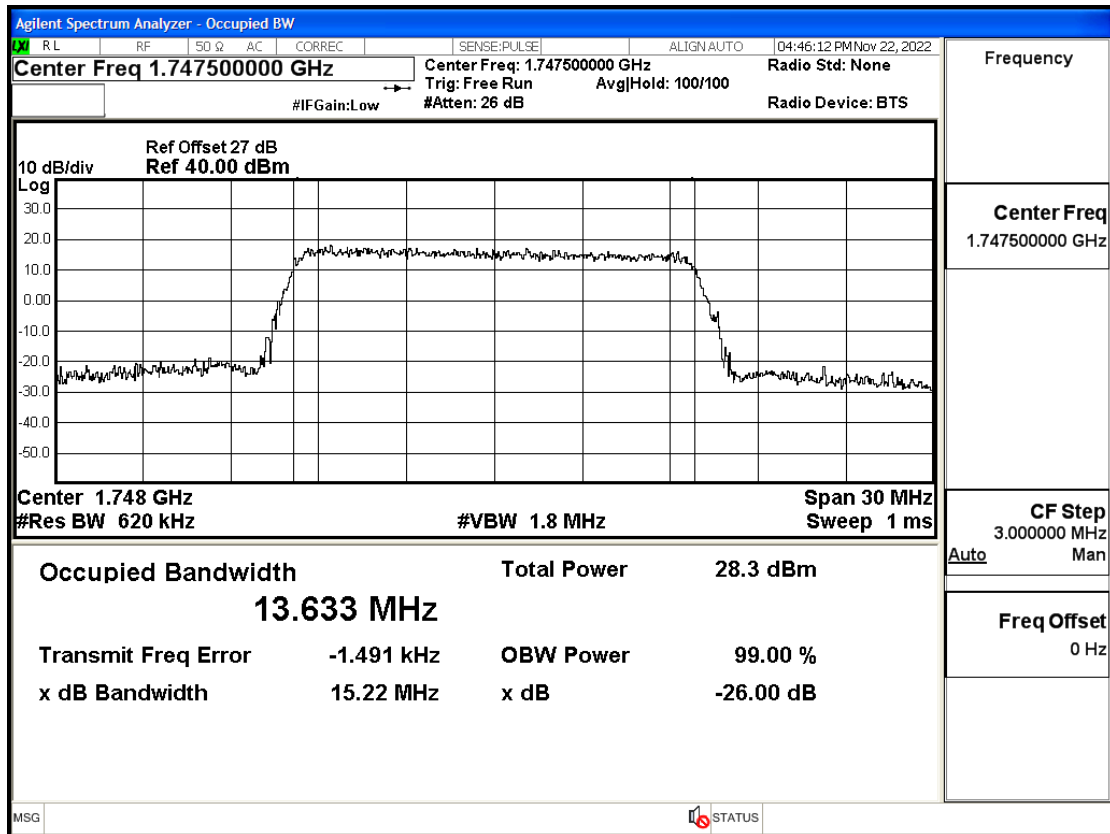
Band4-15-1732.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



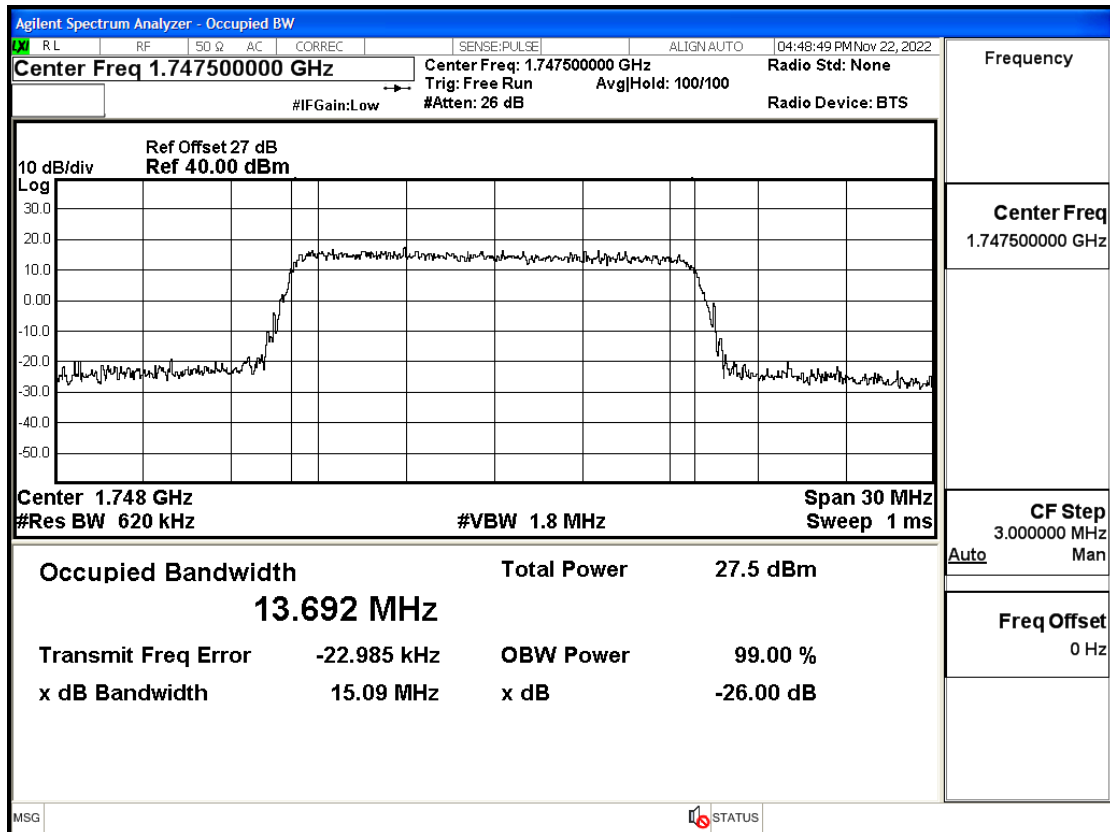
Band4-15-1732.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



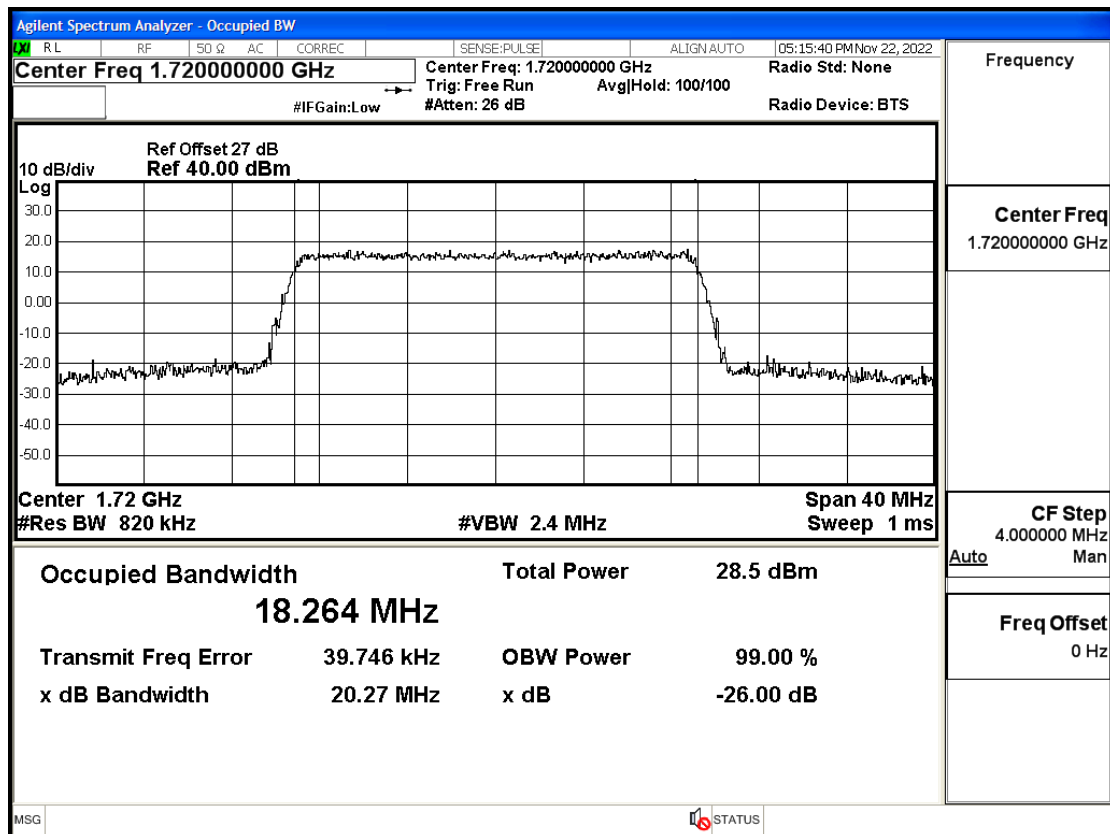
Band4-15-1747.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



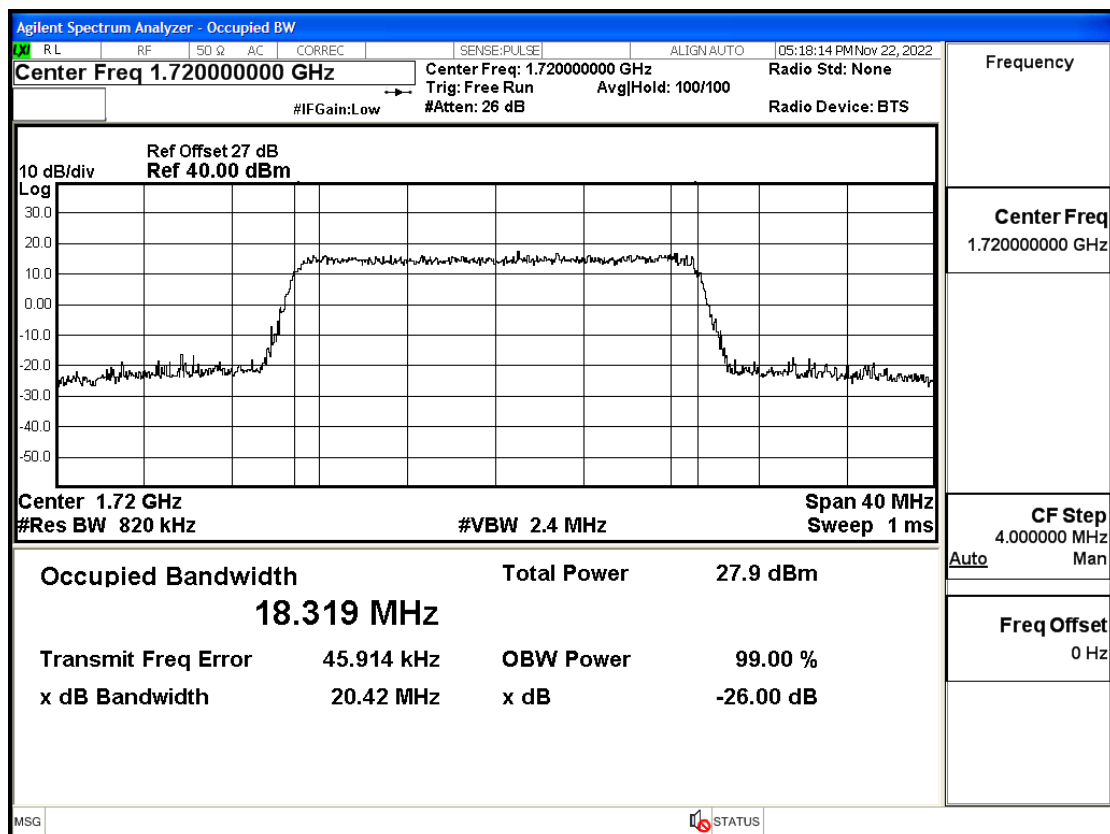
Band4-15-1747.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



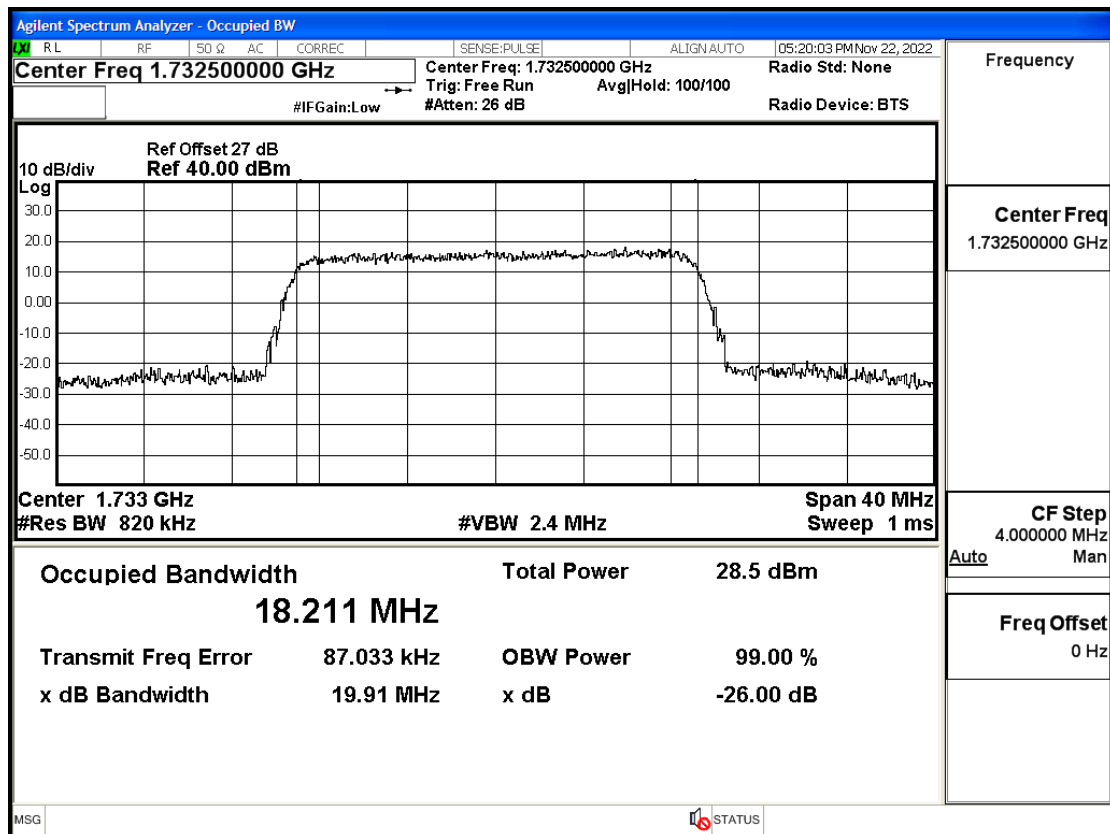
Band4-20-1720-QPSK-100#LOW@26dB and 99PCT Bandwidth



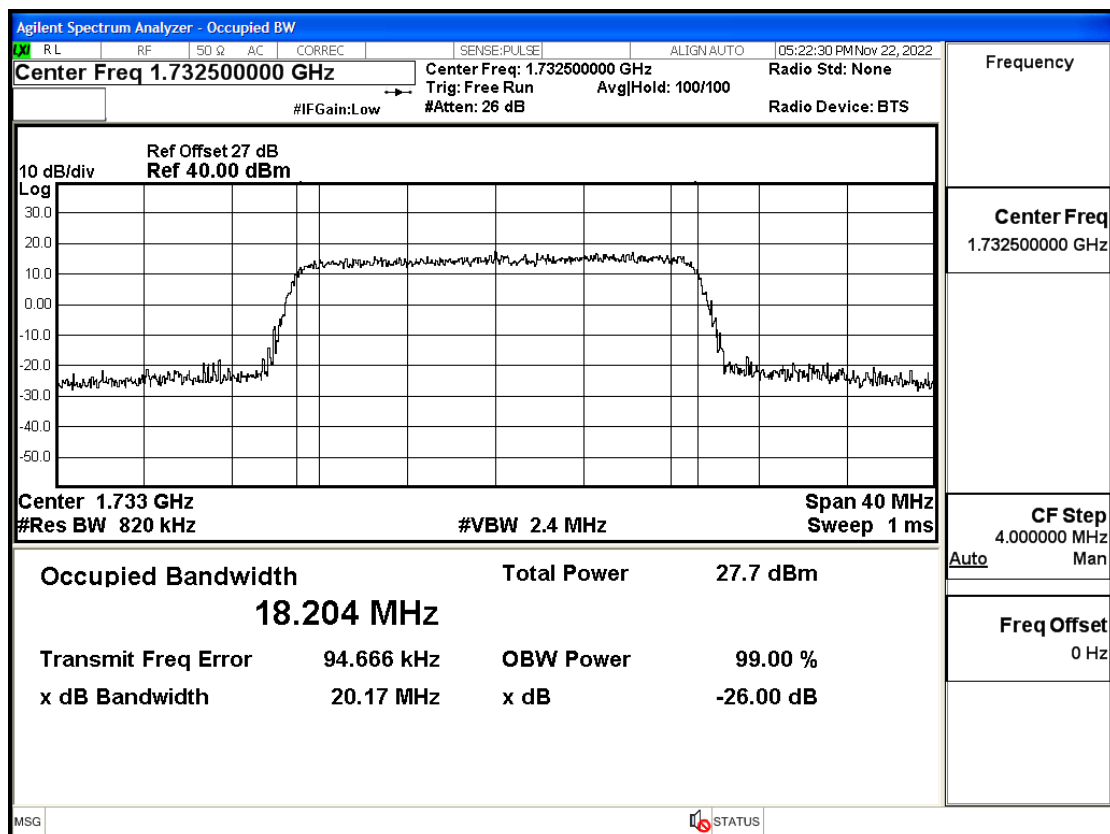
Band4-20-1720-16QAM-100#LOW@26dB and 99PCT Bandwidth



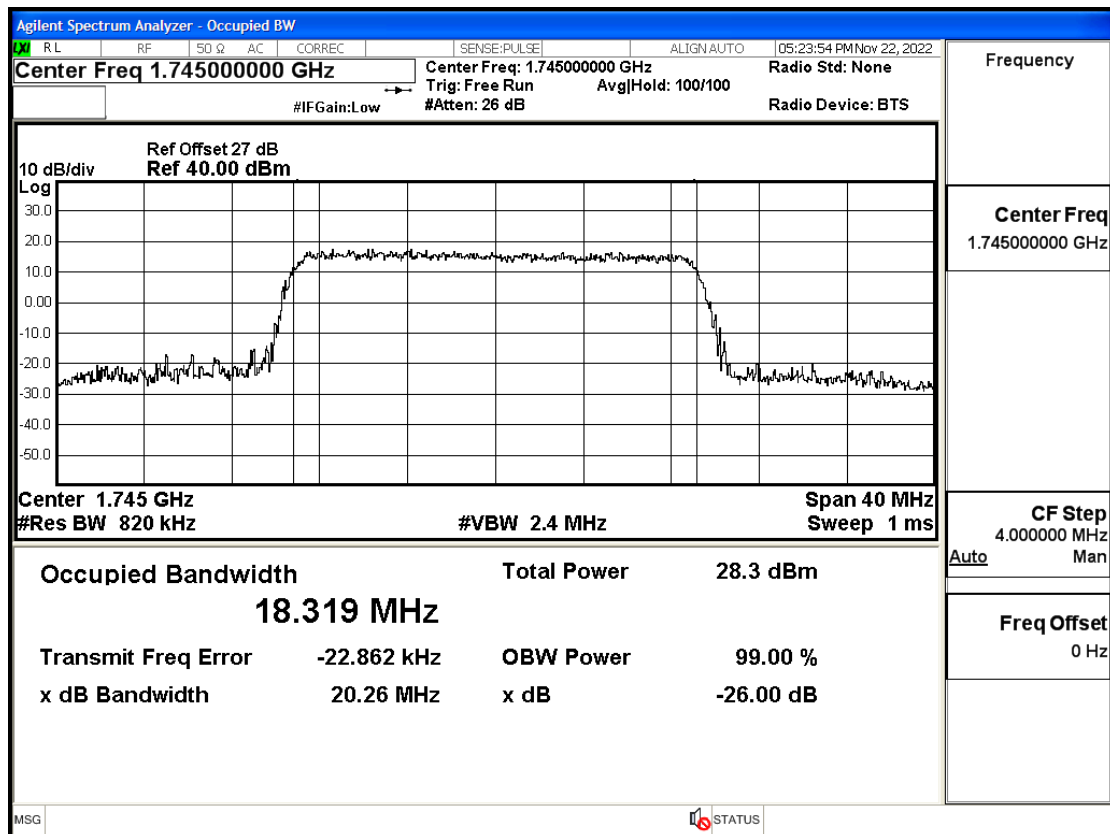
Band4-20-1732.5-QPSK-100#LOW@26dB and 99PCT Bandwidth



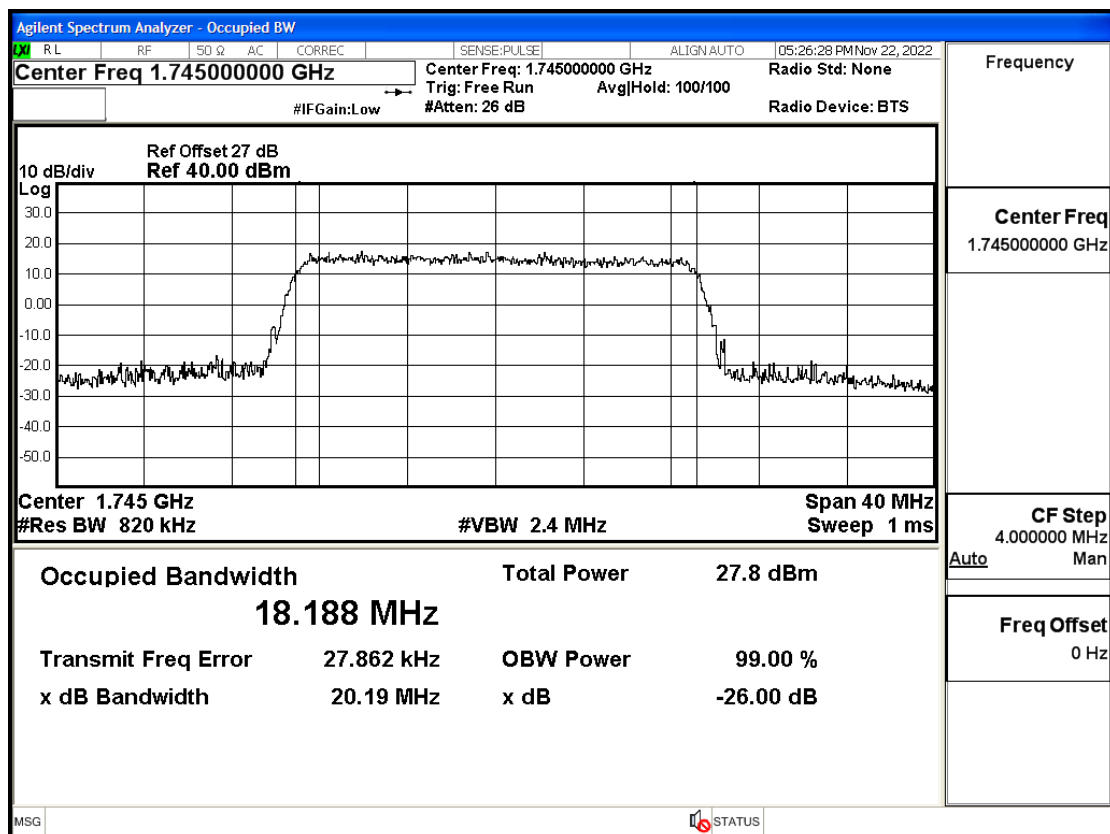
Band4-20-1732.5-16QAM-100#LOW@26dB and 99PCT Bandwidth



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	0.0576	PASS
40	Normal Voltage	0.0336	
30	Normal Voltage	0.0169	
20(Ref.)	Normal Voltage	0.0249	
10	Normal Voltage	0.0568	
0	Normal Voltage	0.0178	
-10	Normal Voltage	0.0414	
-20	Normal Voltage	0.0395	
-30	Normal Voltage	0.0189	
20	Maximum Voltage	0.0194	
20	Normal Voltage	0.0276	
20	Battery End Point	0.0584	

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	26.86	5.05	13	0.95	22.76	30	Pass
Band4	1.4	1710.7	QPSK	3	LOW	21.76	26.81	5.05	13	0.95	22.71	30	Pass
Band4	1.4	1710.7	QPSK	3	MID	21.71	26.77	5.06	13	0.95	22.66	30	Pass
Band4	1.4	1710.7	QPSK	3	HIGH	21.8	26.79	4.99	13	0.95	22.75	30	Pass
Band4	1.4	1710.7	QPSK	1	LOW	21.75	26.47	4.72	13	0.95	22.7	30	Pass
Band4	1.4	1710.7	QPSK	1	MID	21.85	26.62	4.77	13	0.95	22.8	30	Pass
Band4	1.4	1710.7	QPSK	1	HIGH	21.81	26.67	4.86	13	0.95	22.76	30	Pass
Band4	1.4	1710.7	16QAM	6	LOW	20.75	27.21	6.46	13	0.95	21.7	30	Pass
Band4	1.4	1710.7	16QAM	3	LOW	21.05	26.52	5.47	13	0.95	22	30	Pass
Band4	1.4	1710.7	16QAM	3	MID	21.05	26.52	5.47	13	0.95	22	30	Pass
Band4	1.4	1710.7	16QAM	3	HIGH	21.11	26.6	5.49	13	0.95	22.06	30	Pass
Band4	1.4	1710.7	16QAM	1	LOW	21.79	26.57	4.78	13	0.95	22.74	30	Pass
Band4	1.4	1710.7	16QAM	1	MID	21.83	26.59	4.76	13	0.95	22.78	30	Pass
Band4	1.4	1710.7	16QAM	1	HIGH	21.87	26.68	4.81	13	0.95	22.82	30	Pass
Band4	1.4	1732.5	QPSK	6	LOW	20.77	26.4	5.63	13	0.95	21.72	30	Pass
Band4	1.4	1732.5	QPSK	3	LOW	21.72	26.71	4.99	13	0.95	22.67	30	Pass
Band4	1.4	1732.5	QPSK	3	MID	21.7	26.74	5.04	13	0.95	22.65	30	Pass
Band4	1.4	1732.5	QPSK	3	HIGH	21.73	26.72	4.99	13	0.95	22.68	30	Pass
Band4	1.4	1732.5	QPSK	1	LOW	21.84	26.54	4.7	13	0.95	22.79	30	Pass
Band4	1.4	1732.5	QPSK	1	MID	21.86	26.5	4.64	13	0.95	22.81	30	Pass
Band4	1.4	1732.5	QPSK	1	HIGH	21.82	26.55	4.73	13	0.95	22.77	30	Pass
Band4	1.4	1732.5	16QAM	6	LOW	19.9	26.66	6.76	13	0.95	20.85	30	Pass
Band4	1.4	1732.5	16QAM	3	LOW	20.59	26.7	6.11	13	0.95	21.54	30	Pass
Band4	1.4	1732.5	16QAM	3	MID	20.79	26.82	6.03	13	0.95	21.74	30	Pass
Band4	1.4	1732.5	16QAM	3	HIGH	20.64	26.8	6.16	13	0.95	21.59	30	Pass
Band4	1.4	1732.5	16QAM	1	LOW	21.56	26.25	4.69	13	0.95	22.51	30	Pass
Band4	1.4	1732.5	16QAM	1	MID	21.55	26.01	4.46	13	0.95	22.5	30	Pass
Band4	1.4	1732.5	16QAM	1	HIGH	21.5	26.07	4.57	13	0.95	22.45	30	Pass
Band4	1.4	1754.3	QPSK	6	LOW	20.57	26.42	5.85	13	0.95	21.52	30	Pass
Band4	1.4	1754.3	QPSK	3	LOW	21.65	27.03	5.38	13	0.95	22.6	30	Pass
Band4	1.4	1754.3	QPSK	3	MID	21.64	27.04	5.4	13	0.95	22.59	30	Pass
Band4	1.4	1754.3	QPSK	3	HIGH	21.63	27.04	5.41	13	0.95	22.58	30	Pass
Band4	1.4	1754.3	QPSK	1	LOW	21.73	26.53	4.8	13	0.95	22.68	30	Pass
Band4	1.4	1754.3	QPSK	1	MID	21.78	26.56	4.78	13	0.95	22.73	30	Pass
Band4	1.4	1754.3	QPSK	1	HIGH	21.9	26.66	4.76	13	0.95	22.85	30	Pass
Band4	1.4	1754.3	16QAM	6	LOW	20.01	26.81	6.8	13	0.95	20.96	30	Pass
Band4	1.4	1754.3	16QAM	3	LOW	20.61	26.84	6.23	13	0.95	21.56	30	Pass
Band4	1.4	1754.3	16QAM	3	MID	20.6	26.85	6.25	13	0.95	21.55	30	Pass

Band4	1.4	1754.3	16QAM	3	HIGH	20.65	26.81	6.16	13	0.95	21.6	30	Pass
Band4	1.4	1754.3	16QAM	1	LOW	20.77	25.83	5.06	13	0.95	21.72	30	Pass
Band4	1.4	1754.3	16QAM	1	MID	20.84	25.89	5.05	13	0.95	21.79	30	Pass
Band4	1.4	1754.3	16QAM	1	HIGH	20.84	25.91	5.07	13	0.95	21.79	30	Pass
Band4	3	1711.5	QPSK	15	LOW	20.81	26.78	5.97	13	0.95	21.76	30	Pass
Band4	3	1711.5	QPSK	8	LOW	20.71	26.4	5.69	13	0.95	21.66	30	Pass
Band4	3	1711.5	QPSK	8	MID	20.72	26.37	5.65	13	0.95	21.67	30	Pass
Band4	3	1711.5	QPSK	8	HIGH	20.81	26.52	5.71	13	0.95	21.76	30	Pass
Band4	3	1711.5	QPSK	1	LOW	21.6	26.06	4.46	13	0.95	22.55	30	Pass
Band4	3	1711.5	QPSK	1	MID	21.69	26.29	4.6	13	0.95	22.64	30	Pass
Band4	3	1711.5	QPSK	1	HIGH	21.71	26.37	4.66	13	0.95	22.66	30	Pass
Band4	3	1711.5	16QAM	15	LOW	20.21	26.82	6.61	13	0.95	21.16	30	Pass
Band4	3	1711.5	16QAM	8	LOW	20.53	26.81	6.28	13	0.95	21.48	30	Pass
Band4	3	1711.5	16QAM	8	MID	20.53	26.76	6.23	13	0.95	21.48	30	Pass
Band4	3	1711.5	16QAM	8	HIGH	20.17	26.62	6.45	13	0.95	21.12	30	Pass
Band4	3	1711.5	16QAM	1	LOW	21.13	26.56	5.43	13	0.95	22.08	30	Pass
Band4	3	1711.5	16QAM	1	MID	21.17	26.71	5.54	13	0.95	22.12	30	Pass
Band4	3	1711.5	16QAM	1	HIGH	21.12	26.8	5.68	13	0.95	22.07	30	Pass
Band4	3	1732.5	QPSK	15	LOW	20.86	26.69	5.83	13	0.95	21.81	30	Pass
Band4	3	1732.5	QPSK	8	LOW	20.75	26.66	5.91	13	0.95	21.7	30	Pass
Band4	3	1732.5	QPSK	8	MID	20.74	26.47	5.73	13	0.95	21.69	30	Pass
Band4	3	1732.5	QPSK	8	HIGH	20.73	26.55	5.82	13	0.95	21.68	30	Pass
Band4	3	1732.5	QPSK	1	LOW	21.79	26.56	4.77	13	0.95	22.74	30	Pass
Band4	3	1732.5	QPSK	1	MID	21.82	26.44	4.62	13	0.95	22.77	30	Pass
Band4	3	1732.5	QPSK	1	HIGH	21.85	26.42	4.57	13	0.95	22.8	30	Pass
Band4	3	1732.5	16QAM	15	LOW	19.88	26.45	6.57	13	0.95	20.83	30	Pass
Band4	3	1732.5	16QAM	8	LOW	19.83	26.11	6.28	13	0.95	20.78	30	Pass
Band4	3	1732.5	16QAM	8	MID	19.84	26.08	6.24	13	0.95	20.79	30	Pass
Band4	3	1732.5	16QAM	8	HIGH	19.83	26.31	6.48	13	0.95	20.78	30	Pass
Band4	3	1732.5	16QAM	1	LOW	21.57	26.7	5.13	13	0.95	22.52	30	Pass
Band4	3	1732.5	16QAM	1	MID	21.52	26.56	5.04	13	0.95	22.47	30	Pass
Band4	3	1732.5	16QAM	1	HIGH	21.53	26.05	4.52	13	0.95	22.48	30	Pass
Band4	3	1753.5	QPSK	15	LOW	20.56	26.68	6.12	13	0.95	21.51	30	Pass
Band4	3	1753.5	QPSK	8	LOW	20.69	26.61	5.92	13	0.95	21.64	30	Pass
Band4	3	1753.5	QPSK	8	MID	20.68	26.65	5.97	13	0.95	21.63	30	Pass
Band4	3	1753.5	QPSK	8	HIGH	20.58	26.69	6.11	13	0.95	21.53	30	Pass
Band4	3	1753.5	QPSK	1	LOW	21.79	26.59	4.8	13	0.95	22.74	30	Pass
Band4	3	1753.5	QPSK	1	MID	21.78	26.55	4.77	13	0.95	22.73	30	Pass
Band4	3	1753.5	QPSK	1	HIGH	21.91	26.58	4.67	13	0.95	22.86	30	Pass
Band4	3	1753.5	16QAM	15	LOW	20.02	26.9	6.88	13	0.95	20.97	30	Pass
Band4	3	1753.5	16QAM	8	LOW	20.36	26.39	6.03	13	0.95	21.31	30	Pass
Band4	3	1753.5	16QAM	8	MID	20.37	26.38	6.01	13	0.95	21.32	30	Pass
Band4	3	1753.5	16QAM	8	HIGH	19.87	26.38	6.51	13	0.95	20.82	30	Pass
Band4	3	1753.5	16QAM	1	LOW	20.81	25.86	5.05	13	0.95	21.76	30	Pass
Band4	3	1753.5	16QAM	1	MID	20.82	25.8	4.98	13	0.95	21.77	30	Pass

Band4	3	1753.5	16QAM	1	HIGH	20.86	25.85	4.99	13	0.95	21.81	30	Pass
Band4	5	1712.5	QPSK	25	LOW	20.8	26.99	6.19	13	0.95	21.75	30	Pass
Band4	5	1712.5	QPSK	12	LOW	20.73	26.35	5.62	13	0.95	21.68	30	Pass
Band4	5	1712.5	QPSK	12	MID	20.74	26.41	5.67	13	0.95	21.69	30	Pass
Band4	5	1712.5	QPSK	12	HIGH	20.76	26.48	5.72	13	0.95	21.71	30	Pass
Band4	5	1712.5	QPSK	1	LOW	21.85	26.66	4.81	13	0.95	22.8	30	Pass
Band4	5	1712.5	QPSK	1	MID	21.75	26.98	5.23	13	0.95	22.7	30	Pass
Band4	5	1712.5	QPSK	1	HIGH	21.88	27.25	5.37	13	0.95	22.83	30	Pass
Band4	5	1712.5	16QAM	25	LOW	19.84	27.24	7.4	13	0.95	20.79	30	Pass
Band4	5	1712.5	16QAM	12	LOW	20.49	26.91	6.42	13	0.95	21.44	30	Pass
Band4	5	1712.5	16QAM	12	MID	20.37	26.95	6.58	13	0.95	21.32	30	Pass
Band4	5	1712.5	16QAM	12	HIGH	19.78	26.85	7.07	13	0.95	20.73	30	Pass
Band4	5	1712.5	16QAM	1	LOW	20.27	25.79	5.52	13	0.95	21.22	30	Pass
Band4	5	1712.5	16QAM	1	MID	20.15	25.82	5.67	13	0.95	21.1	30	Pass
Band4	5	1712.5	16QAM	1	HIGH	20.12	25.94	5.82	13	0.95	21.07	30	Pass
Band4	5	1732.5	QPSK	25	LOW	20.54	26.56	6.02	13	0.95	21.49	30	Pass
Band4	5	1732.5	QPSK	12	LOW	20.61	26.71	6.1	13	0.95	21.56	30	Pass
Band4	5	1732.5	QPSK	12	MID	20.61	26.64	6.03	13	0.95	21.56	30	Pass
Band4	5	1732.5	QPSK	12	HIGH	20.64	26.68	6.04	13	0.95	21.59	30	Pass
Band4	5	1732.5	QPSK	1	LOW	21.58	26.87	5.29	13	0.95	22.53	30	Pass
Band4	5	1732.5	QPSK	1	MID	21.59	26.15	4.56	13	0.95	22.54	30	Pass
Band4	5	1732.5	QPSK	1	HIGH	21.95	26.34	4.39	13	0.95	22.9	30	Pass
Band4	5	1732.5	16QAM	25	LOW	19.67	26.62	6.95	13	0.95	20.62	30	Pass
Band4	5	1732.5	16QAM	12	LOW	19.64	26.35	6.71	13	0.95	20.59	30	Pass
Band4	5	1732.5	16QAM	12	MID	19.65	26.38	6.73	13	0.95	20.6	30	Pass
Band4	5	1732.5	16QAM	12	HIGH	19.58	26.16	6.58	13	0.95	20.53	30	Pass
Band4	5	1732.5	16QAM	1	LOW	20.74	26.33	5.59	13	0.95	21.69	30	Pass
Band4	5	1732.5	16QAM	1	MID	20.85	26.16	5.31	13	0.95	21.8	30	Pass
Band4	5	1732.5	16QAM	1	HIGH	20.73	26	5.27	13	0.95	21.68	30	Pass
Band4	5	1752.5	QPSK	25	LOW	20.45	26.62	6.17	13	0.95	21.4	30	Pass
Band4	5	1752.5	QPSK	12	LOW	20.65	26.47	5.82	13	0.95	21.6	30	Pass
Band4	5	1752.5	QPSK	12	MID	20.65	26.33	5.68	13	0.95	21.6	30	Pass
Band4	5	1752.5	QPSK	12	HIGH	20.66	26.36	5.7	13	0.95	21.61	30	Pass
Band4	5	1752.5	QPSK	1	LOW	21.13	26.25	5.12	13	0.95	22.08	30	Pass
Band4	5	1752.5	QPSK	1	MID	21.36	26.55	5.19	13	0.95	22.31	30	Pass
Band4	5	1752.5	QPSK	1	HIGH	21.36	26.52	5.16	13	0.95	22.31	30	Pass
Band4	5	1752.5	16QAM	25	LOW	20.11	26.98	6.87	13	0.95	21.06	30	Pass
Band4	5	1752.5	16QAM	12	LOW	19.58	26.42	6.84	13	0.95	20.53	30	Pass
Band4	5	1752.5	16QAM	12	MID	19.61	26.3	6.69	13	0.95	20.56	30	Pass
Band4	5	1752.5	16QAM	12	HIGH	20	26.43	6.43	13	0.95	20.95	30	Pass
Band4	5	1752.5	16QAM	1	LOW	20.7	26.56	5.86	13	0.95	21.65	30	Pass
Band4	5	1752.5	16QAM	1	MID	20.68	26.55	5.87	13	0.95	21.63	30	Pass
Band4	5	1752.5	16QAM	1	HIGH	20.67	26.54	5.87	13	0.95	21.62	30	Pass
Band4	10	1715	QPSK	50	LOW	20.67	27.06	6.39	13	0.95	21.62	30	Pass
Band4	10	1715	QPSK	25	LOW	20.56	26.56	6	13	0.95	21.51	30	Pass

Band4	10	1715	QPSK	25	MID	20.57	26.58	6.01	13	0.95	21.52	30	Pass
Band4	10	1715	QPSK	25	HIGH	20.59	26.95	6.36	13	0.95	21.54	30	Pass
Band4	10	1715	QPSK	1	LOW	21.63	26.07	4.44	13	0.95	22.58	30	Pass
Band4	10	1715	QPSK	1	MID	21.62	26.42	4.8	13	0.95	22.57	30	Pass
Band4	10	1715	QPSK	1	HIGH	21.68	26.64	4.96	13	0.95	22.63	30	Pass
Band4	10	1715	16QAM	50	LOW	19.82	27.36	7.54	13	0.95	20.77	30	Pass
Band4	10	1715	16QAM	25	LOW	19.74	26.76	7.02	13	0.95	20.69	30	Pass
Band4	10	1715	16QAM	25	MID	19.76	26.71	6.95	13	0.95	20.71	30	Pass
Band4	10	1715	16QAM	25	HIGH	19.88	27.03	7.15	13	0.95	20.83	30	Pass
Band4	10	1715	16QAM	1	LOW	21.14	26.56	5.42	13	0.95	22.09	30	Pass
Band4	10	1715	16QAM	1	MID	19.43	25.8	6.37	13	0.95	20.38	30	Pass
Band4	10	1715	16QAM	1	HIGH	21.08	27.1	6.02	13	0.95	22.03	30	Pass
Band4	10	1732.5	QPSK	50	LOW	20.44	26.67	6.23	13	0.95	21.39	30	Pass
Band4	10	1732.5	QPSK	25	LOW	20.47	26.58	6.11	13	0.95	21.42	30	Pass
Band4	10	1732.5	QPSK	25	MID	20.46	26.58	6.12	13	0.95	21.41	30	Pass
Band4	10	1732.5	QPSK	25	HIGH	20.68	26.49	5.81	13	0.95	21.63	30	Pass
Band4	10	1732.5	QPSK	1	LOW	21.56	26.58	5.02	13	0.95	22.51	30	Pass
Band4	10	1732.5	QPSK	1	MID	21.6	26.18	4.58	13	0.95	22.55	30	Pass
Band4	10	1732.5	QPSK	1	HIGH	21.87	26.35	4.48	13	0.95	22.82	30	Pass
Band4	10	1732.5	16QAM	50	LOW	19.82	26.94	7.12	13	0.95	20.77	30	Pass
Band4	10	1732.5	16QAM	25	LOW	19.73	26.96	7.23	13	0.95	20.68	30	Pass
Band4	10	1732.5	16QAM	25	MID	19.74	26.88	7.14	13	0.95	20.69	30	Pass
Band4	10	1732.5	16QAM	25	HIGH	19.74	26.68	6.94	13	0.95	20.69	30	Pass
Band4	10	1732.5	16QAM	1	LOW	21.55	26.94	5.39	13	0.95	22.5	30	Pass
Band4	10	1732.5	16QAM	1	MID	20.94	25.65	4.71	13	0.95	21.89	30	Pass
Band4	10	1732.5	16QAM	1	HIGH	20.96	26.33	5.37	13	0.95	21.91	30	Pass
Band4	10	1750	QPSK	50	LOW	20.47	26.79	6.32	13	0.95	21.42	30	Pass
Band4	10	1750	QPSK	25	LOW	20.77	27.21	6.44	13	0.95	21.72	30	Pass
Band4	10	1750	QPSK	25	MID	20.58	27.14	6.56	13	0.95	21.53	30	Pass
Band4	10	1750	QPSK	25	HIGH	20.66	27.18	6.52	13	0.95	21.61	30	Pass
Band4	10	1750	QPSK	1	LOW	21.84	26.53	4.69	13	0.95	22.79	30	Pass
Band4	10	1750	QPSK	1	MID	21.74	26.6	4.86	13	0.95	22.69	30	Pass
Band4	10	1750	QPSK	1	HIGH	21.85	26.64	4.79	13	0.95	22.8	30	Pass
Band4	10	1750	16QAM	50	LOW	19.72	27.4	7.68	13	0.95	20.67	30	Pass
Band4	10	1750	16QAM	25	LOW	19.78	26.75	6.97	13	0.95	20.73	30	Pass
Band4	10	1750	16QAM	25	MID	19.8	26.77	6.97	13	0.95	20.75	30	Pass
Band4	10	1750	16QAM	25	HIGH	20.22	27.01	6.79	13	0.95	21.17	30	Pass
Band4	10	1750	16QAM	1	LOW	20.51	25.62	5.11	13	0.95	21.46	30	Pass
Band4	10	1750	16QAM	1	MID	20.62	25.78	5.16	13	0.95	21.57	30	Pass
Band4	10	1750	16QAM	1	HIGH	20.65	25.74	5.09	13	0.95	21.6	30	Pass
Band4	15	1717.5	QPSK	75	LOW	20.87	27.84	6.97	13	0.95	21.82	30	Pass
Band4	15	1717.5	QPSK	38	LOW	20.75	27.65	6.9	13	0.95	21.7	30	Pass
Band4	15	1717.5	QPSK	38	MID	20.74	27.74	7	13	0.95	21.69	30	Pass
Band4	15	1717.5	QPSK	38	HIGH	20.74	27.73	6.99	13	0.95	21.69	30	Pass
Band4	15	1717.5	QPSK	1	LOW	21.77	26.18	4.41	13	0.95	22.72	30	Pass

Band4	15	1717.5	QPSK	1	MID	21.82	26.75	4.93	13	0.95	22.77	30	Pass
Band4	15	1717.5	QPSK	1	HIGH	21.81	26.75	4.94	13	0.95	22.76	30	Pass
Band4	15	1717.5	16QAM	75	LOW	19.95	27.29	7.34	13	0.95	20.9	30	Pass
Band4	15	1717.5	16QAM	38	LOW	20.02	27.42	7.4	13	0.95	20.97	30	Pass
Band4	15	1717.5	16QAM	38	MID	20.03	27.47	7.44	13	0.95	20.98	30	Pass
Band4	15	1717.5	16QAM	38	HIGH	19.94	27.44	7.5	13	0.95	20.89	30	Pass
Band4	15	1717.5	16QAM	1	LOW	21.26	26.78	5.52	13	0.95	22.21	30	Pass
Band4	15	1717.5	16QAM	1	MID	21.21	27.29	6.08	13	0.95	22.16	30	Pass
Band4	15	1717.5	16QAM	1	HIGH	21.19	27.32	6.13	13	0.95	22.14	30	Pass
Band4	15	1732.5	QPSK	75	LOW	20.67	27.2	6.53	13	0.95	21.62	30	Pass
Band4	15	1732.5	QPSK	38	LOW	20.78	27.41	6.63	13	0.95	21.73	30	Pass
Band4	15	1732.5	QPSK	38	MID	20.79	27.44	6.65	13	0.95	21.74	30	Pass
Band4	15	1732.5	QPSK	38	HIGH	20.79	27.46	6.67	13	0.95	21.74	30	Pass
Band4	15	1732.5	QPSK	1	LOW	21.87	27.02	5.15	13	0.95	22.82	30	Pass
Band4	15	1732.5	QPSK	1	MID	21.88	26.49	4.61	13	0.95	22.83	30	Pass
Band4	15	1732.5	QPSK	1	HIGH	21.99	26.39	4.4	13	0.95	22.94	30	Pass
Band4	15	1732.5	16QAM	75	LOW	19.85	27.07	7.22	13	0.95	20.8	30	Pass
Band4	15	1732.5	16QAM	38	LOW	19.72	27	7.28	13	0.95	20.67	30	Pass
Band4	15	1732.5	16QAM	38	MID	19.73	27.02	7.29	13	0.95	20.68	30	Pass
Band4	15	1732.5	16QAM	38	HIGH	19.74	27.04	7.3	13	0.95	20.69	30	Pass
Band4	15	1732.5	16QAM	1	LOW	21.03	27.13	6.1	13	0.95	21.98	30	Pass
Band4	15	1732.5	16QAM	1	MID	20.97	25.68	4.71	13	0.95	21.92	30	Pass
Band4	15	1732.5	16QAM	1	HIGH	20.92	25.99	5.07	13	0.95	21.87	30	Pass
Band4	15	1747.5	QPSK	75	LOW	20.67	27.29	6.62	13	0.95	21.62	30	Pass
Band4	15	1747.5	QPSK	38	LOW	20.74	27.24	6.5	13	0.95	21.69	30	Pass
Band4	15	1747.5	QPSK	38	MID	20.74	27.2	6.46	13	0.95	21.69	30	Pass
Band4	15	1747.5	QPSK	38	HIGH	20.74	27.36	6.62	13	0.95	21.69	30	Pass
Band4	15	1747.5	QPSK	1	LOW	21.9	26.55	4.65	13	0.95	22.85	30	Pass
Band4	15	1747.5	QPSK	1	MID	21.81	26.51	4.7	13	0.95	22.76	30	Pass
Band4	15	1747.5	QPSK	1	HIGH	21.82	26.49	4.67	13	0.95	22.77	30	Pass
Band4	15	1747.5	16QAM	75	LOW	19.86	27.17	7.31	13	0.95	20.81	30	Pass
Band4	15	1747.5	16QAM	38	LOW	19.69	26.97	7.28	13	0.95	20.64	30	Pass
Band4	15	1747.5	16QAM	38	MID	19.71	26.99	7.28	13	0.95	20.66	30	Pass
Band4	15	1747.5	16QAM	38	HIGH	19.76	26.9	7.14	13	0.95	20.71	30	Pass
Band4	15	1747.5	16QAM	1	LOW	21.25	26.5	5.25	13	0.95	22.2	30	Pass
Band4	15	1747.5	16QAM	1	MID	21.16	26.01	4.85	13	0.95	22.11	30	Pass
Band4	15	1747.5	16QAM	1	HIGH	21.16	26.79	5.63	13	0.95	22.11	30	Pass
Band4	20	1720	QPSK	100	LOW	20.82	27.4	6.58	13	0.95	21.77	30	Pass
Band4	20	1720	QPSK	50	LOW	20.68	26.97	6.29	13	0.95	21.63	30	Pass
Band4	20	1720	QPSK	50	MID	20.69	26.98	6.29	13	0.95	21.64	30	Pass
Band4	20	1720	QPSK	50	HIGH	20.71	27.07	6.36	13	0.95	21.66	30	Pass
Band4	20	1720	QPSK	1	LOW	21.97	26.64	4.67	13	0.95	22.92	30	Pass
Band4	20	1720	QPSK	1	MID	21.88	27.02	5.14	13	0.95	22.83	30	Pass
Band4	20	1720	QPSK	1	HIGH	21.74	26.74	5	13	0.95	22.69	30	Pass
Band4	20	1720	16QAM	100	LOW	19.69	27.9	8.21	13	0.95	20.64	30	Pass

Band4	20	1720	16QAM	50	LOW	19.96	27.46	7.5	13	0.95	20.91	30	Pass
Band4	20	1720	16QAM	50	MID	19.97	27.52	7.55	13	0.95	20.92	30	Pass
Band4	20	1720	16QAM	50	HIGH	20.24	27.73	7.49	13	0.95	21.19	30	Pass
Band4	20	1720	16QAM	1	LOW	21.12	27.27	6.15	13	0.95	22.07	30	Pass
Band4	20	1720	16QAM	1	MID	21.05	26.77	5.72	13	0.95	22	30	Pass
Band4	20	1720	16QAM	1	HIGH	21.02	27.54	6.52	13	0.95	21.97	30	Pass
Band4	20	1732.5	QPSK	100	LOW	20.72	27.19	6.47	13	0.95	21.67	30	Pass
Band4	20	1732.5	QPSK	50	LOW	20.72	26.99	6.27	13	0.95	21.67	30	Pass
Band4	20	1732.5	QPSK	50	MID	20.7	27.03	6.33	13	0.95	21.65	30	Pass
Band4	20	1732.5	QPSK	50	HIGH	20.76	26.64	5.88	13	0.95	21.71	30	Pass
Band4	20	1732.5	QPSK	1	LOW	21.97	27.99	6.02	13	0.95	22.92	30	Pass
Band4	20	1732.5	QPSK	1	MID	22.06	26.44	4.38	13	0.95	23.01	30	Pass
Band4	20	1732.5	QPSK	1	HIGH	22.03	27.18	5.15	13	0.95	22.98	30	Pass
Band4	20	1732.5	16QAM	100	LOW	19.67	27.1	7.43	13	0.95	20.62	30	Pass
Band4	20	1732.5	16QAM	50	LOW	19.82	27.09	7.27	13	0.95	20.77	30	Pass
Band4	20	1732.5	16QAM	50	MID	19.81	27.06	7.25	13	0.95	20.76	30	Pass
Band4	20	1732.5	16QAM	50	HIGH	19.79	26.63	6.84	13	0.95	20.74	30	Pass
Band4	20	1732.5	16QAM	1	LOW	20.78	27.07	6.29	13	0.95	21.73	30	Pass
Band4	20	1732.5	16QAM	1	MID	20.92	26.61	5.69	13	0.95	21.87	30	Pass
Band4	20	1732.5	16QAM	1	HIGH	20.75	26.42	5.67	13	0.95	21.7	30	Pass
Band4	20	1745	QPSK	100	LOW	20.67	27.06	6.39	13	0.95	21.62	30	Pass
Band4	20	1745	QPSK	50	LOW	20.66	26.62	5.96	13	0.95	21.61	30	Pass
Band4	20	1745	QPSK	50	MID	20.68	26.6	5.92	13	0.95	21.63	30	Pass
Band4	20	1745	QPSK	50	HIGH	20.66	26.86	6.2	13	0.95	21.61	30	Pass
Band4	20	1745	QPSK	1	LOW	21.76	27.01	5.25	13	0.95	22.71	30	Pass
Band4	20	1745	QPSK	1	MID	21.84	26.65	4.81	13	0.95	22.79	30	Pass
Band4	20	1745	QPSK	1	HIGH	21.78	26.85	5.07	13	0.95	22.73	30	Pass
Band4	20	1745	16QAM	100	LOW	19.79	27.14	7.35	13	0.95	20.74	30	Pass
Band4	20	1745	16QAM	50	LOW	20.08	26.78	6.7	13	0.95	21.03	30	Pass
Band4	20	1745	16QAM	50	MID	20.09	26.79	6.7	13	0.95	21.04	30	Pass
Band4	20	1745	16QAM	50	HIGH	19.75	26.97	7.22	13	0.95	20.7	30	Pass
Band4	20	1745	16QAM	1	LOW	21.28	26.65	5.37	13	0.95	22.23	30	Pass
Band4	20	1745	16QAM	1	MID	21.18	26.4	5.22	13	0.95	22.13	30	Pass
Band4	20	1745	16QAM	1	HIGH	21.42	27.44	6.02	13	0.95	22.37	30	Pass