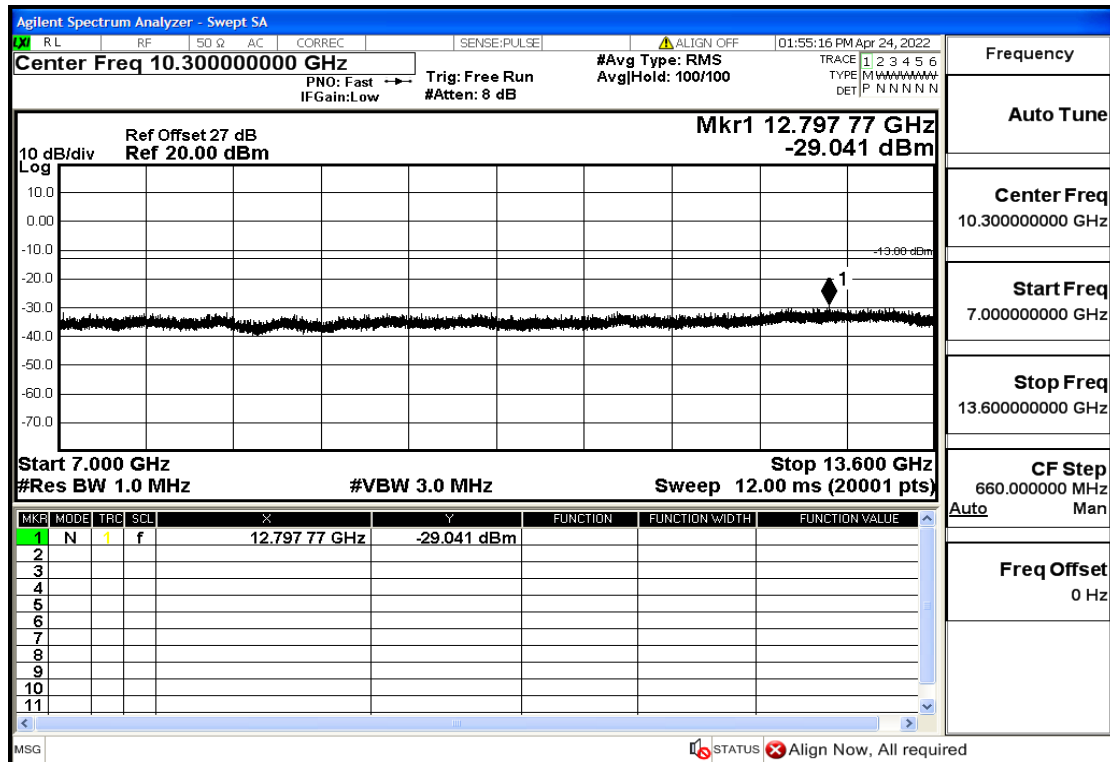
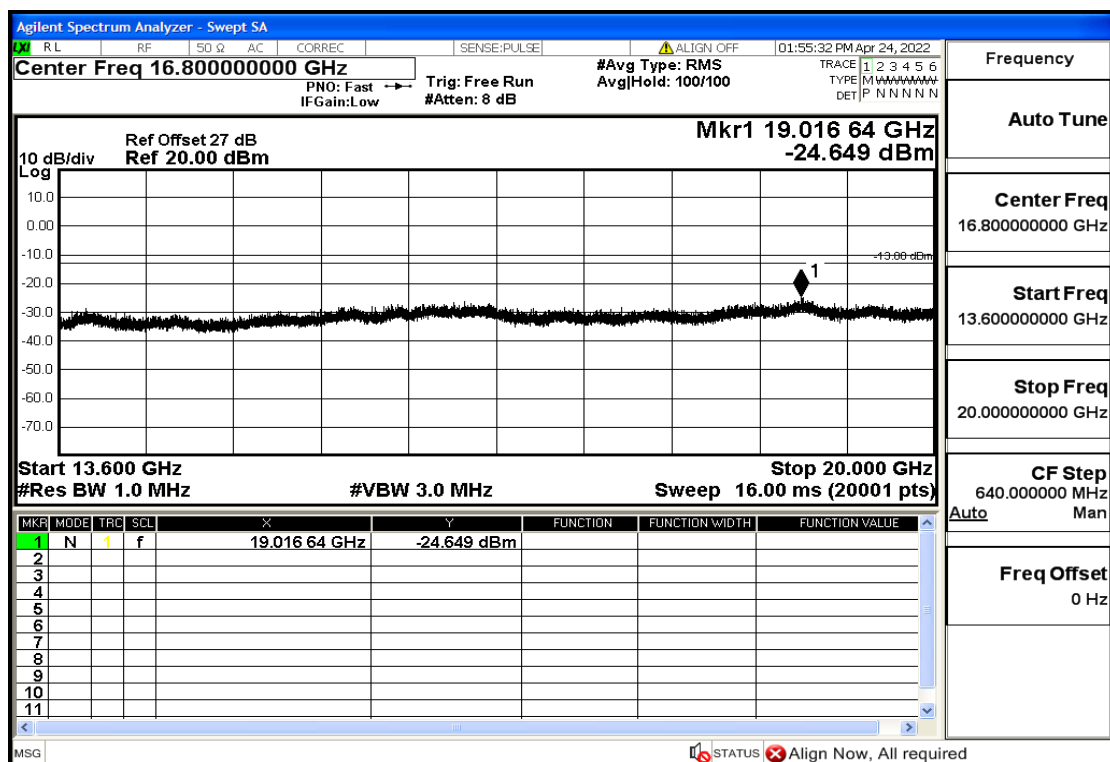


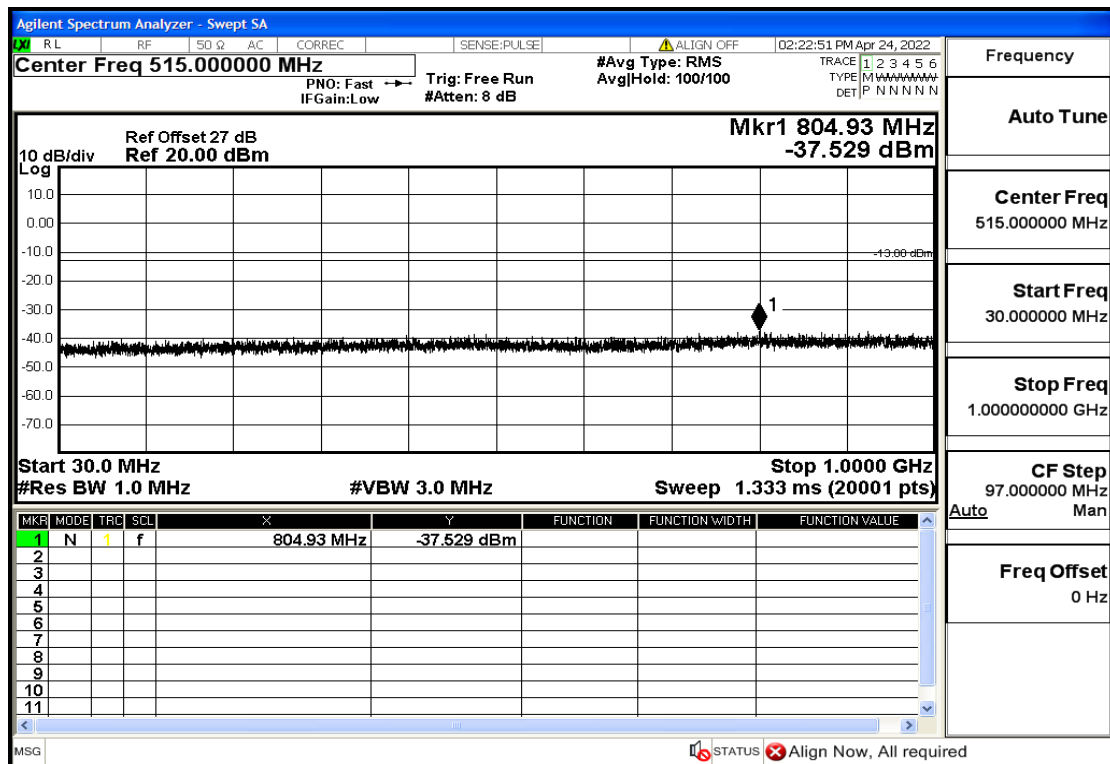
OB4-20-1745-QPSK-100#LOW@7GHz-13.6GHz@Pass



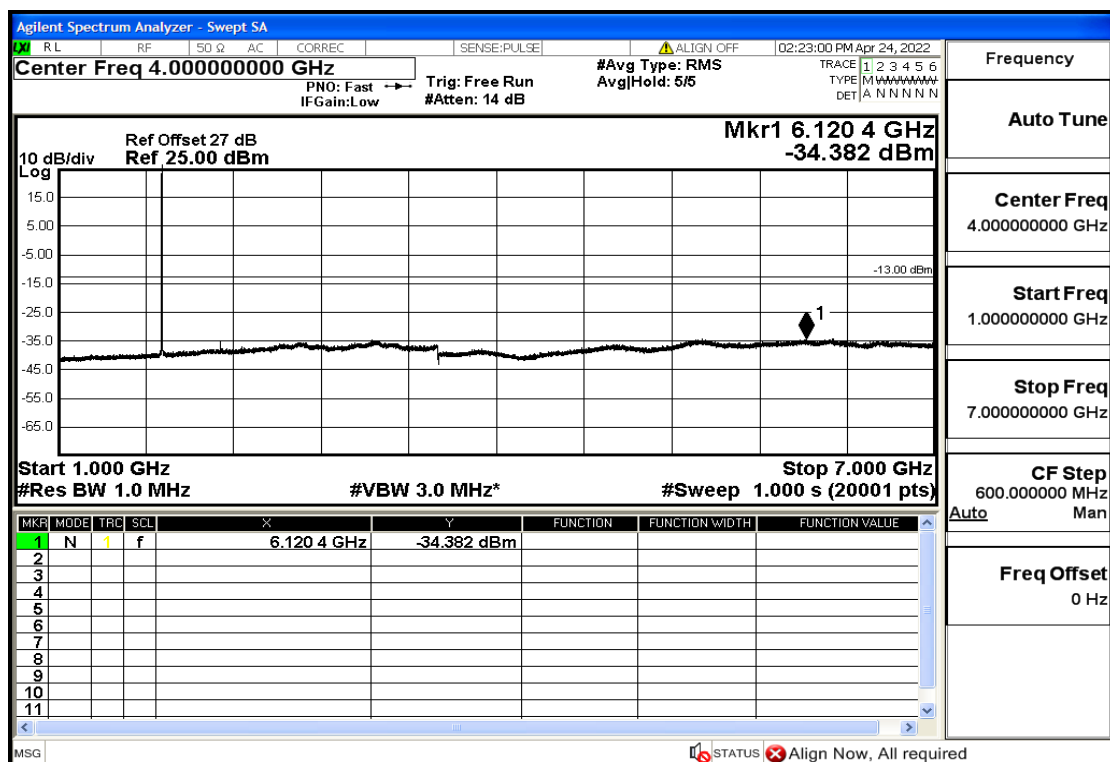
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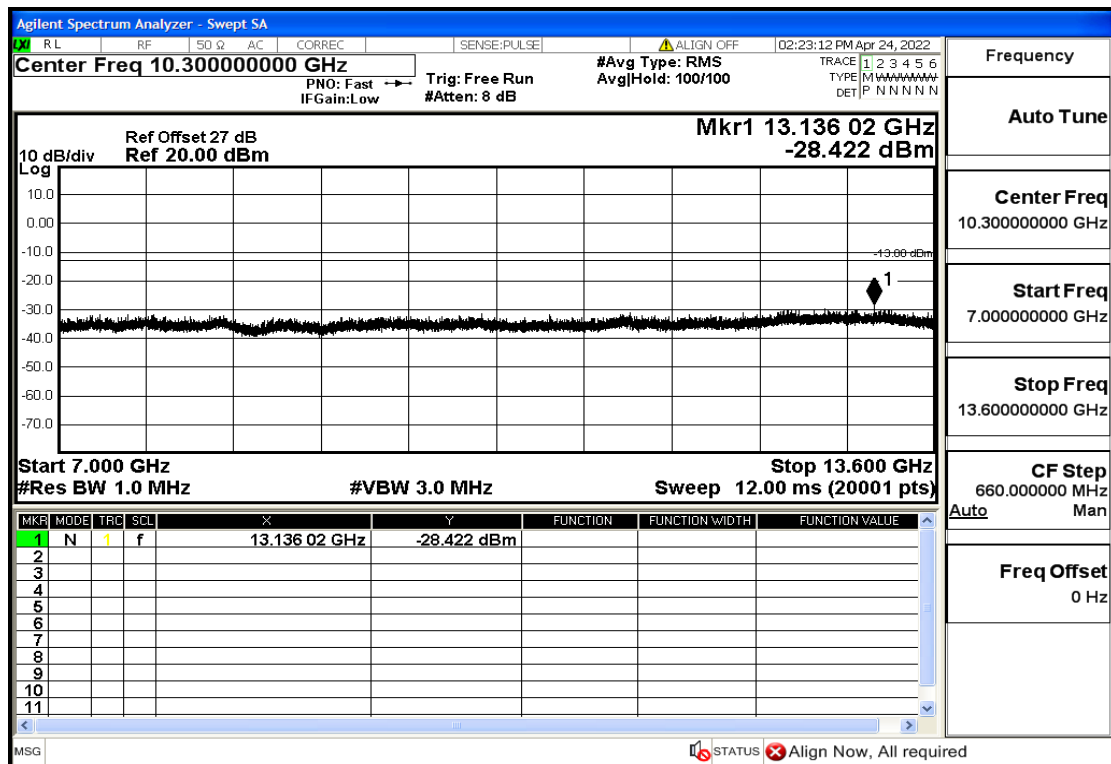
OB4-1.4-1710.7-Q16-6#LOW@30mHz-1GHz@Pass



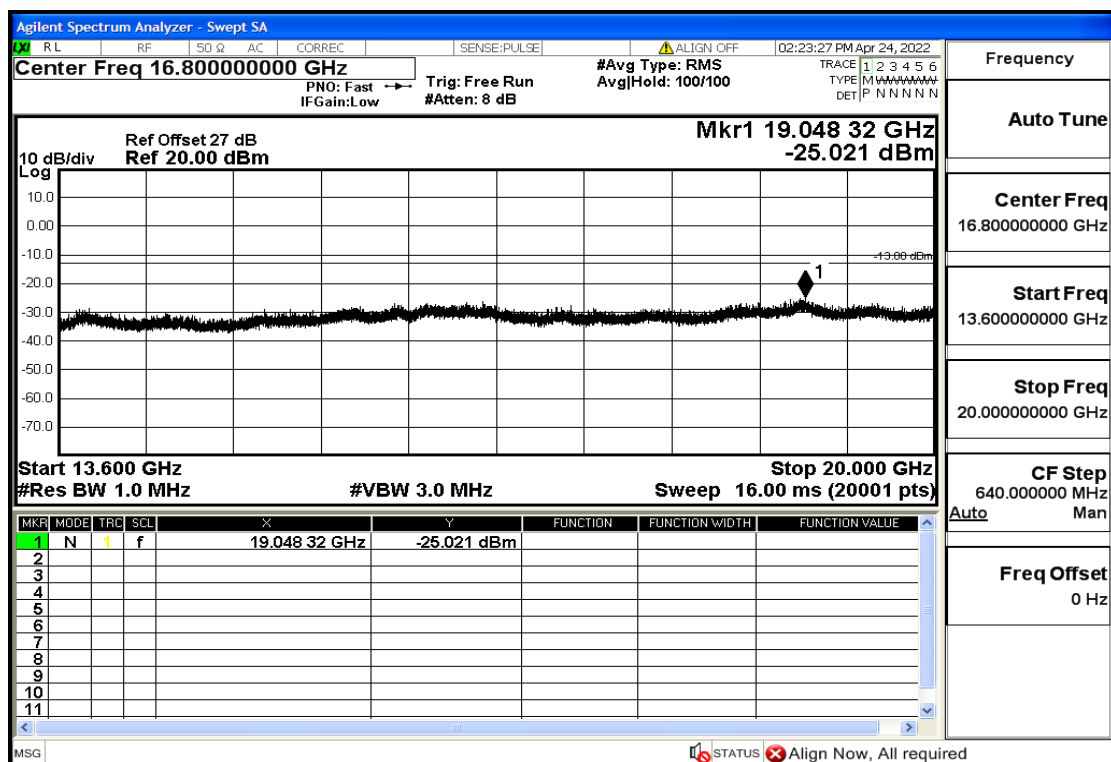
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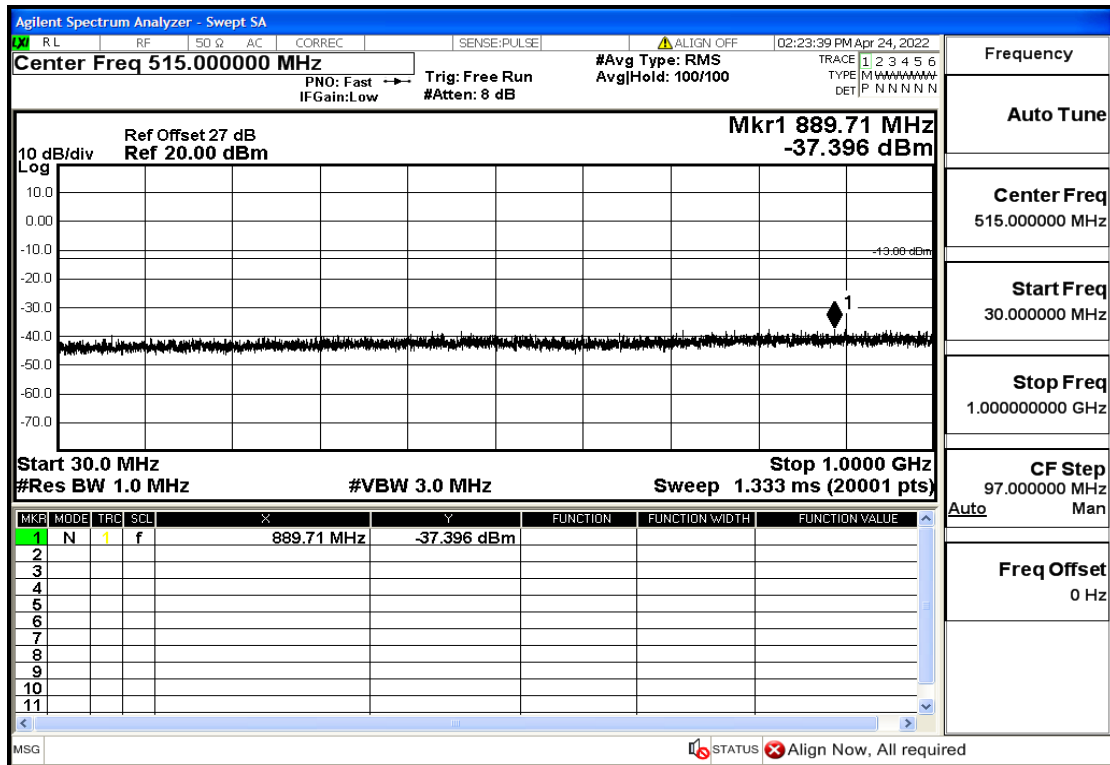
OB4-1.4-1710.7-Q16-6#LOW@7GHz-13.6GHz@Pass



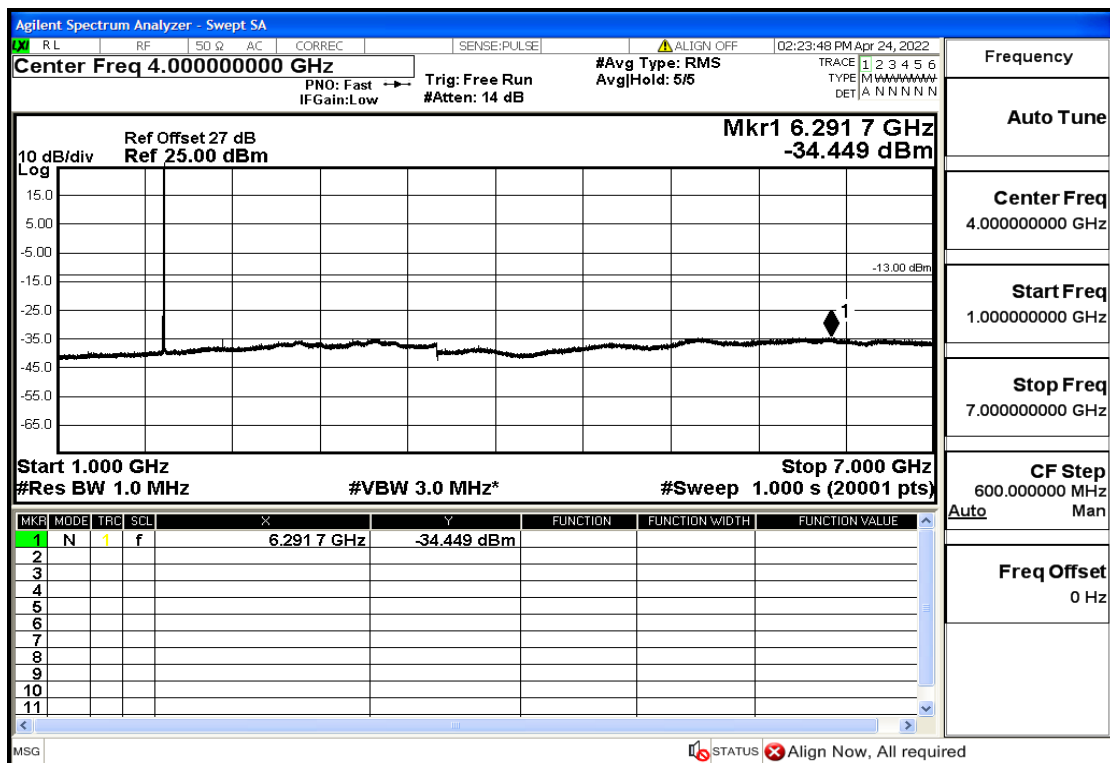
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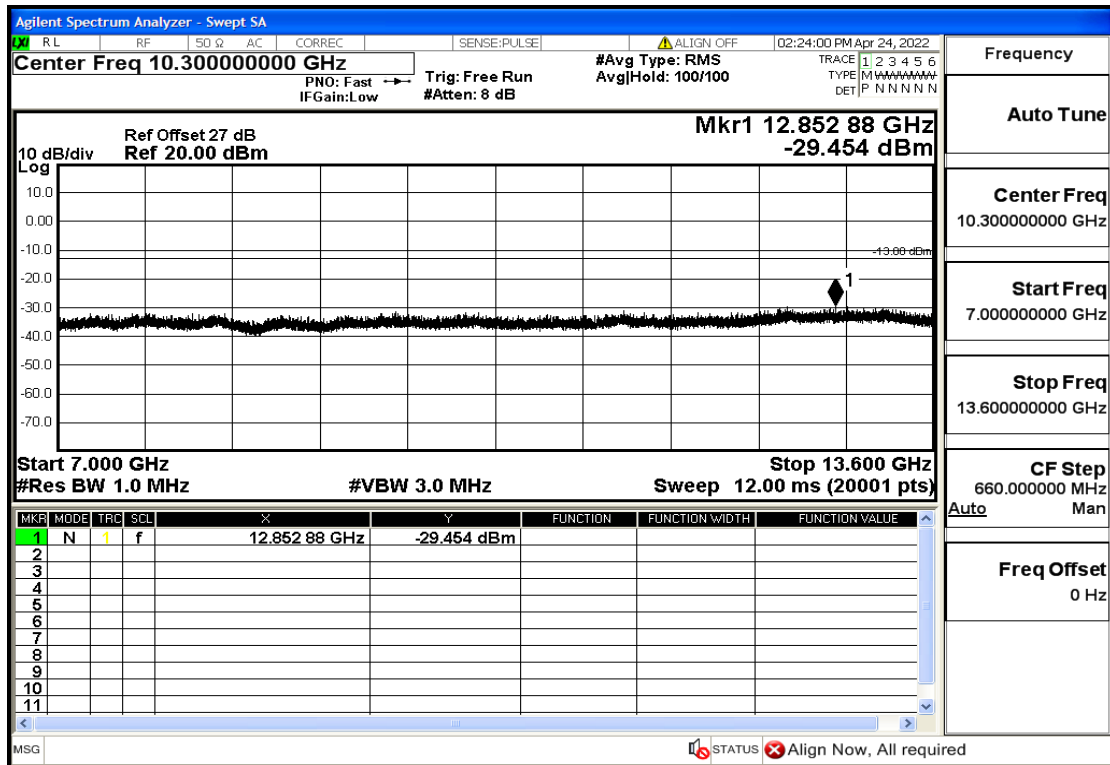
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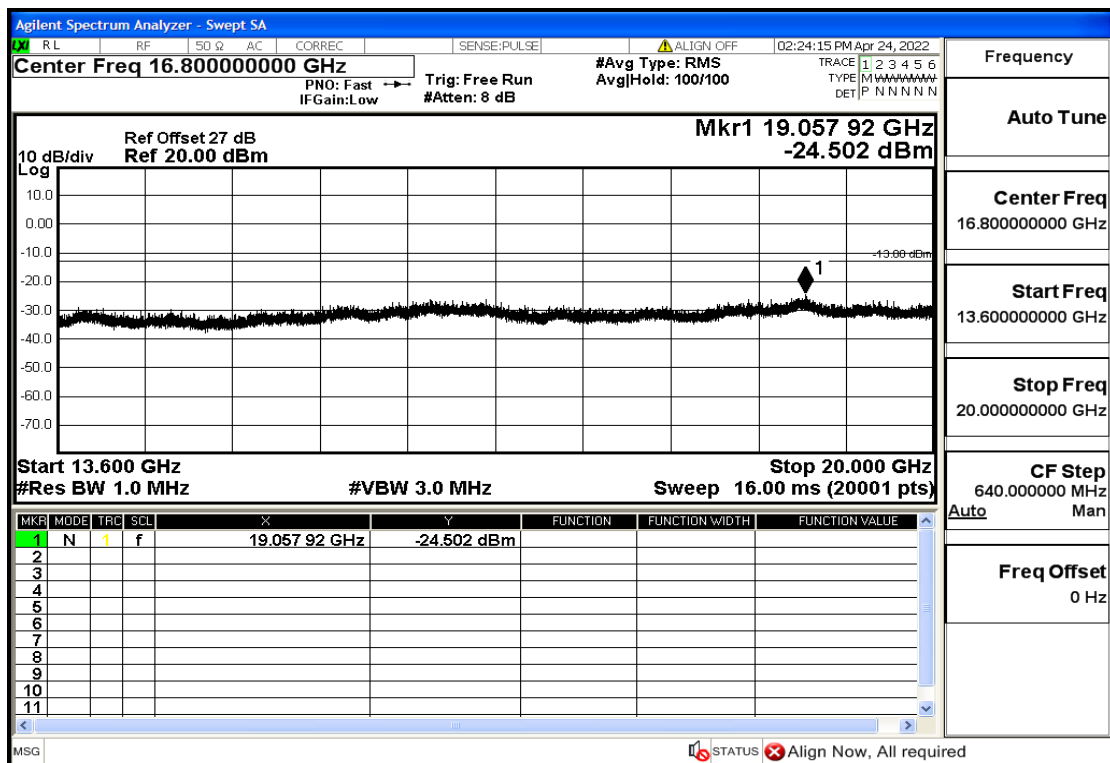
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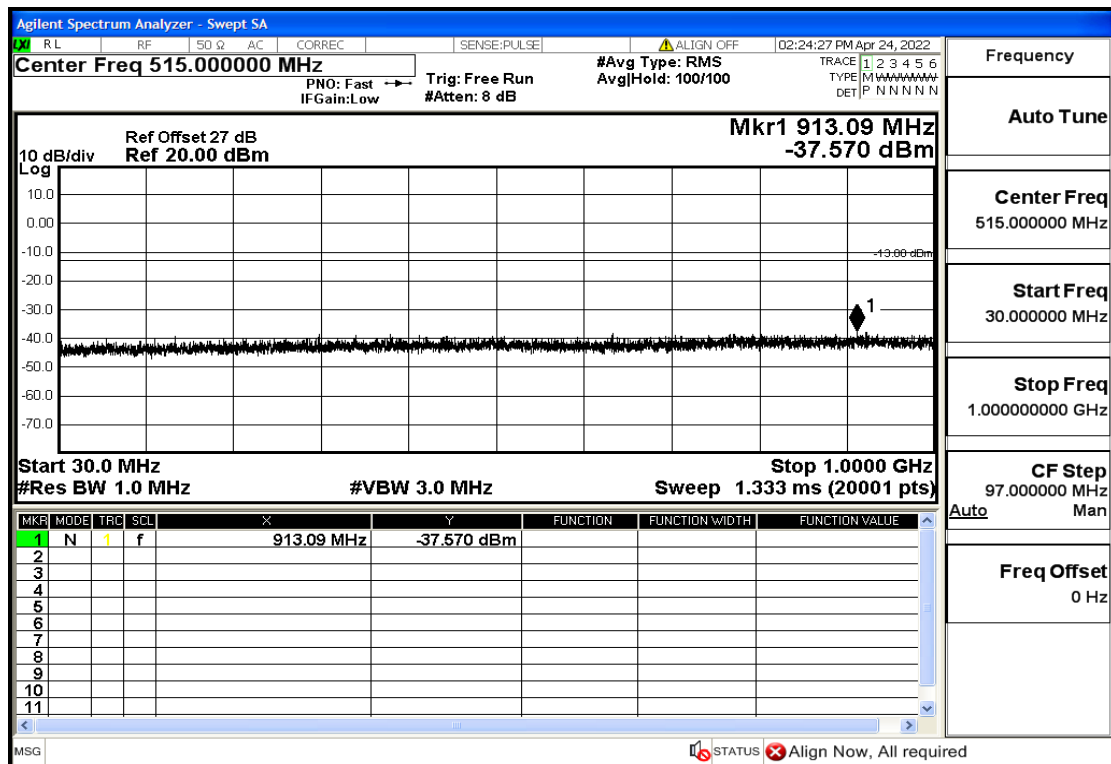
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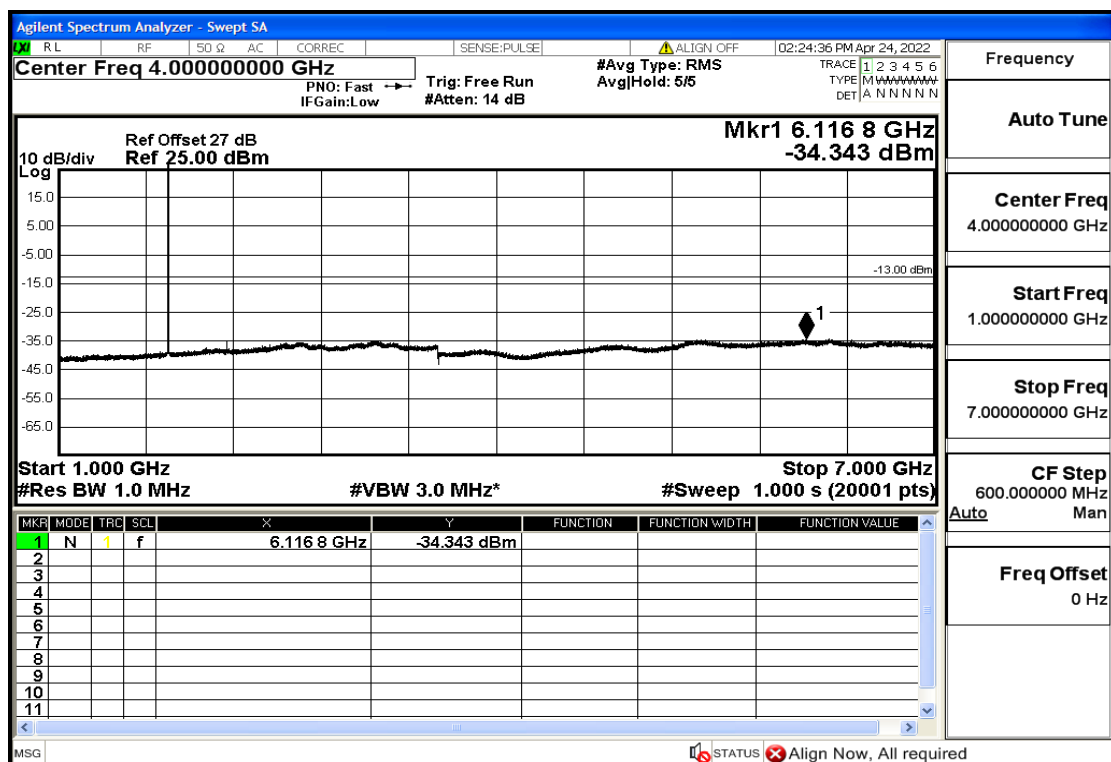
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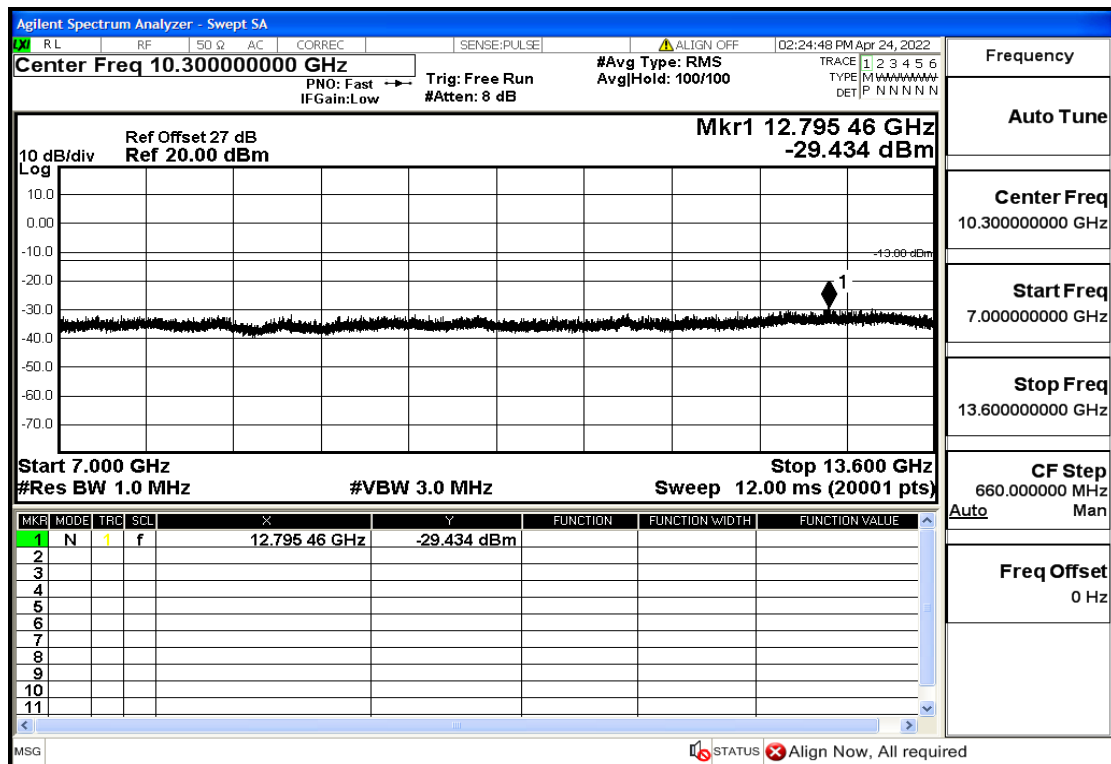
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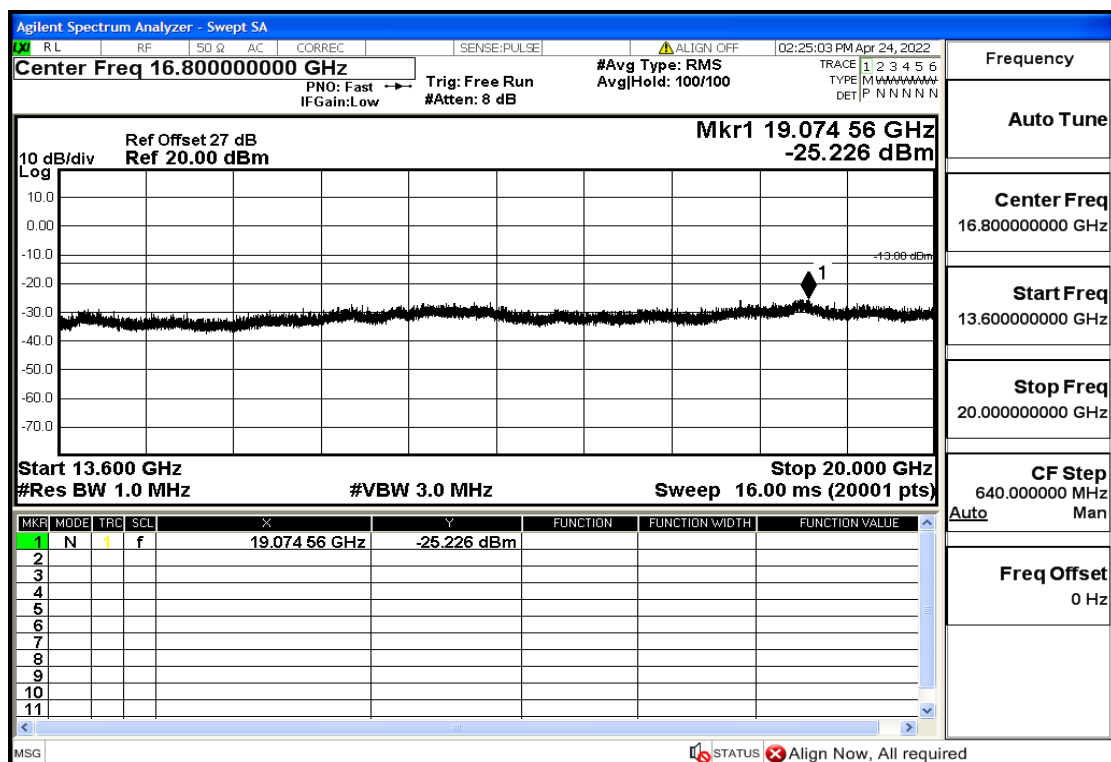
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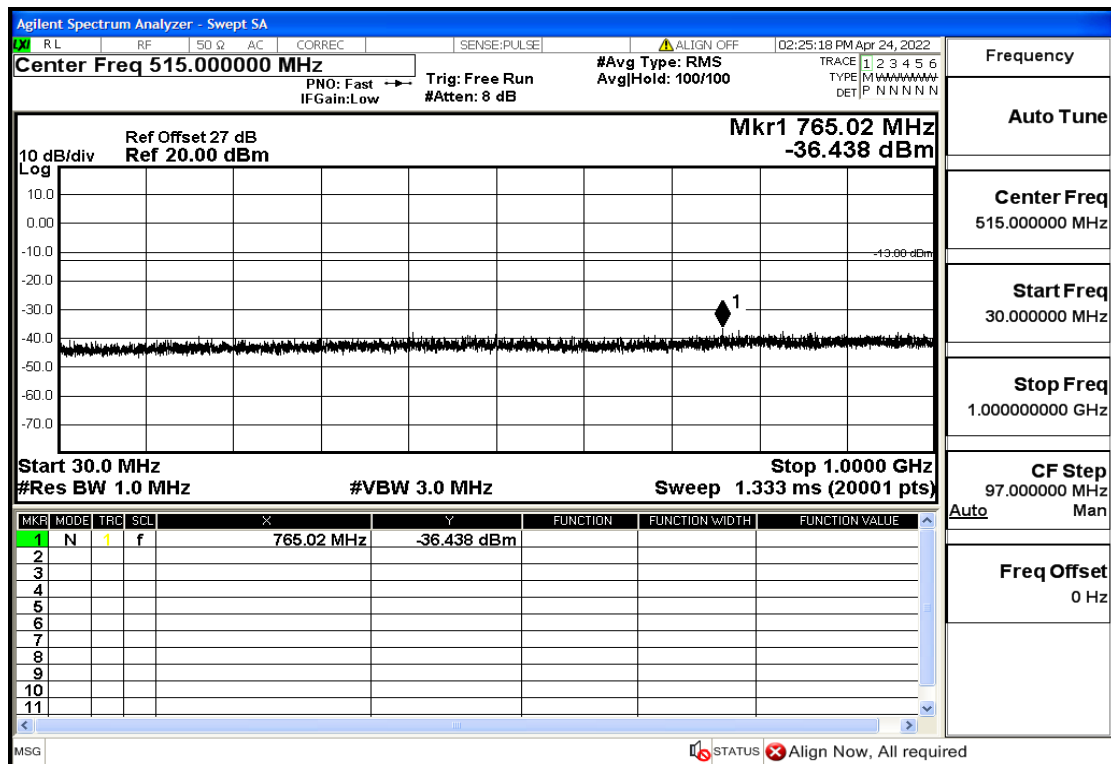
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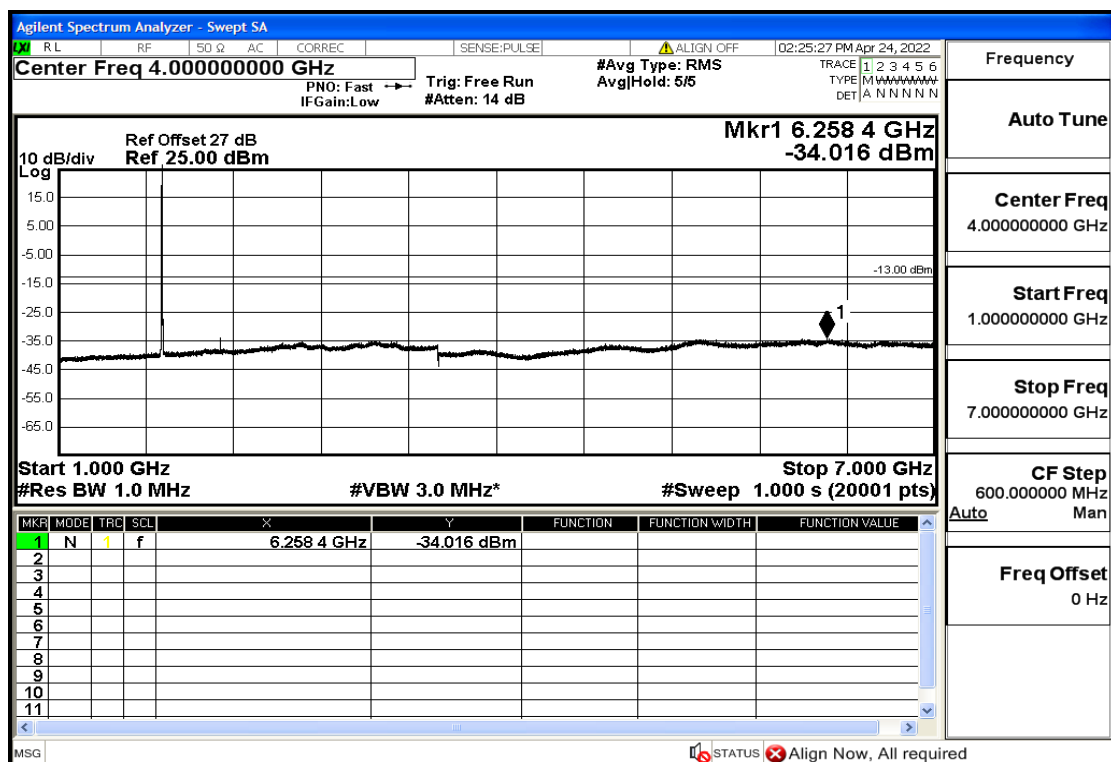
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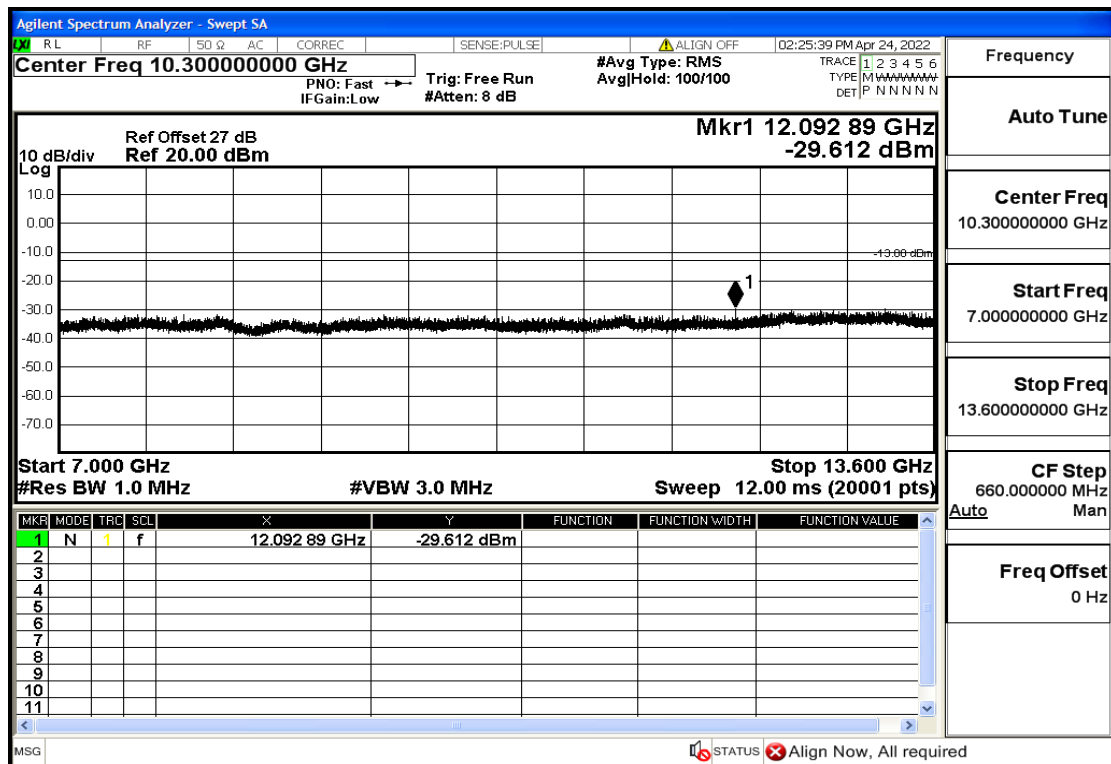
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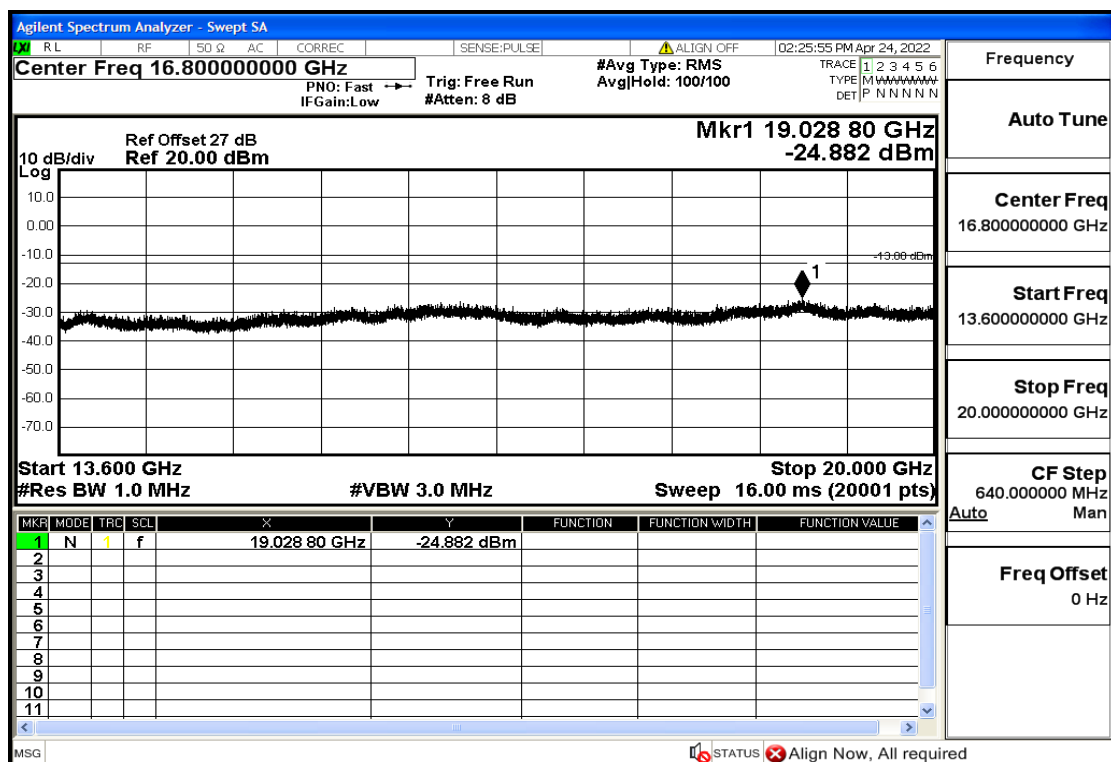
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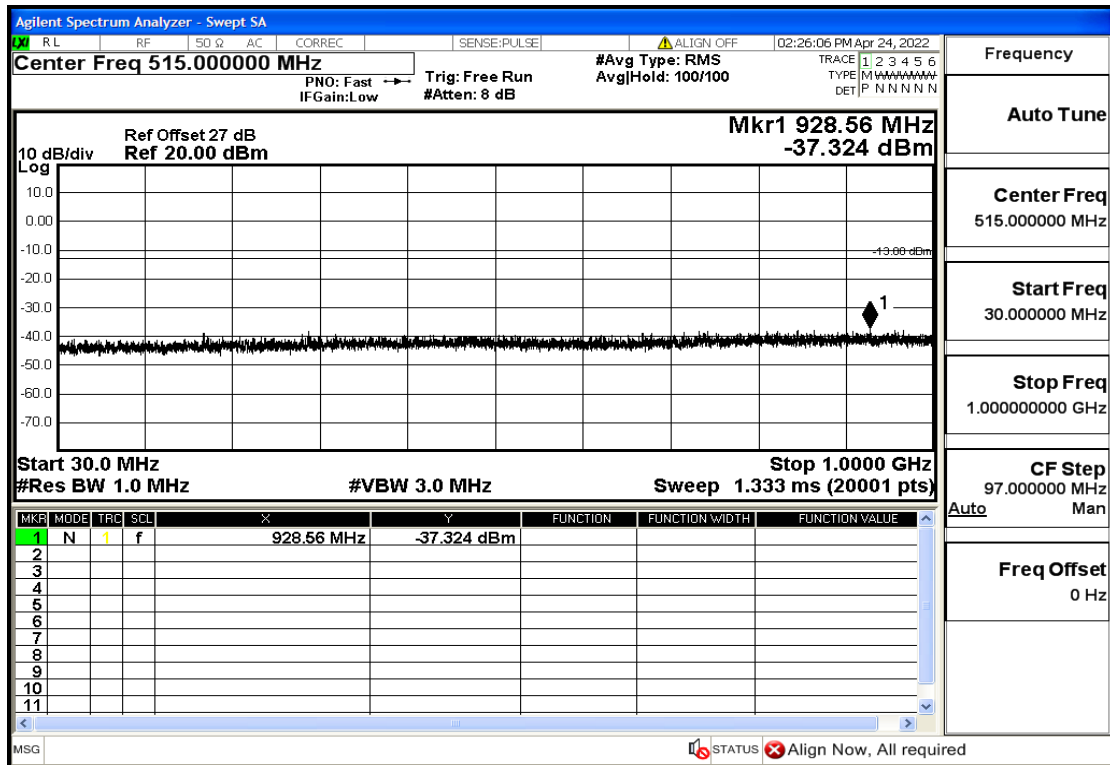
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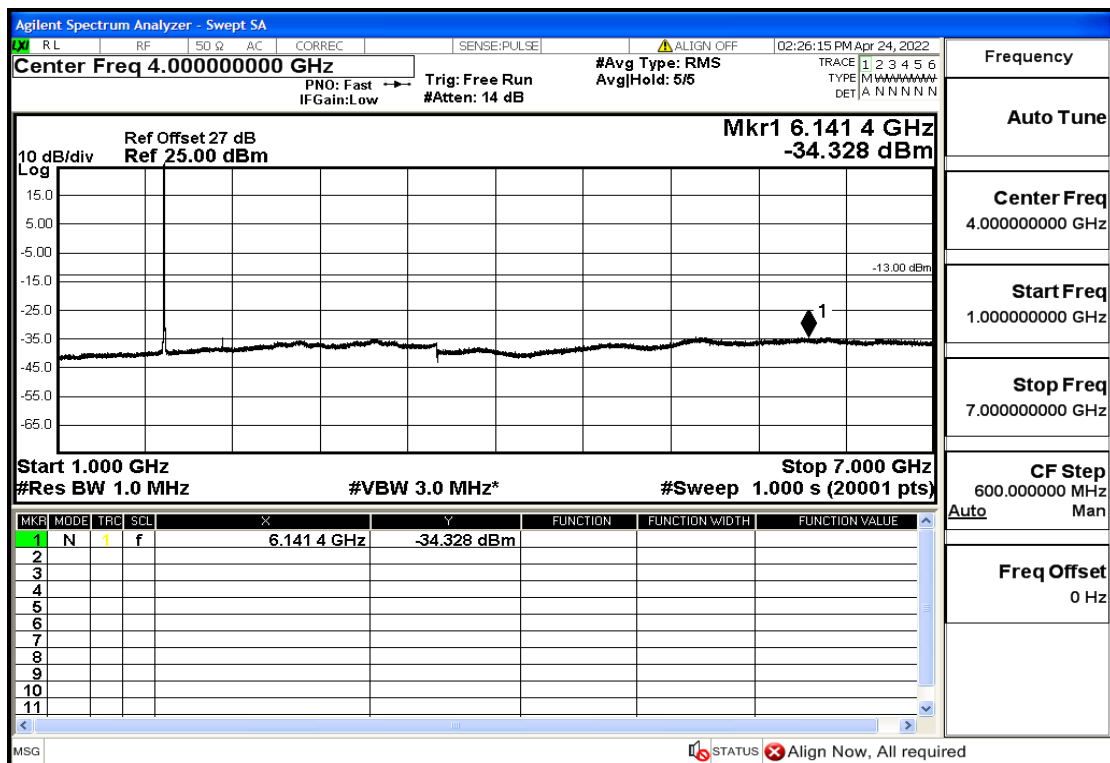
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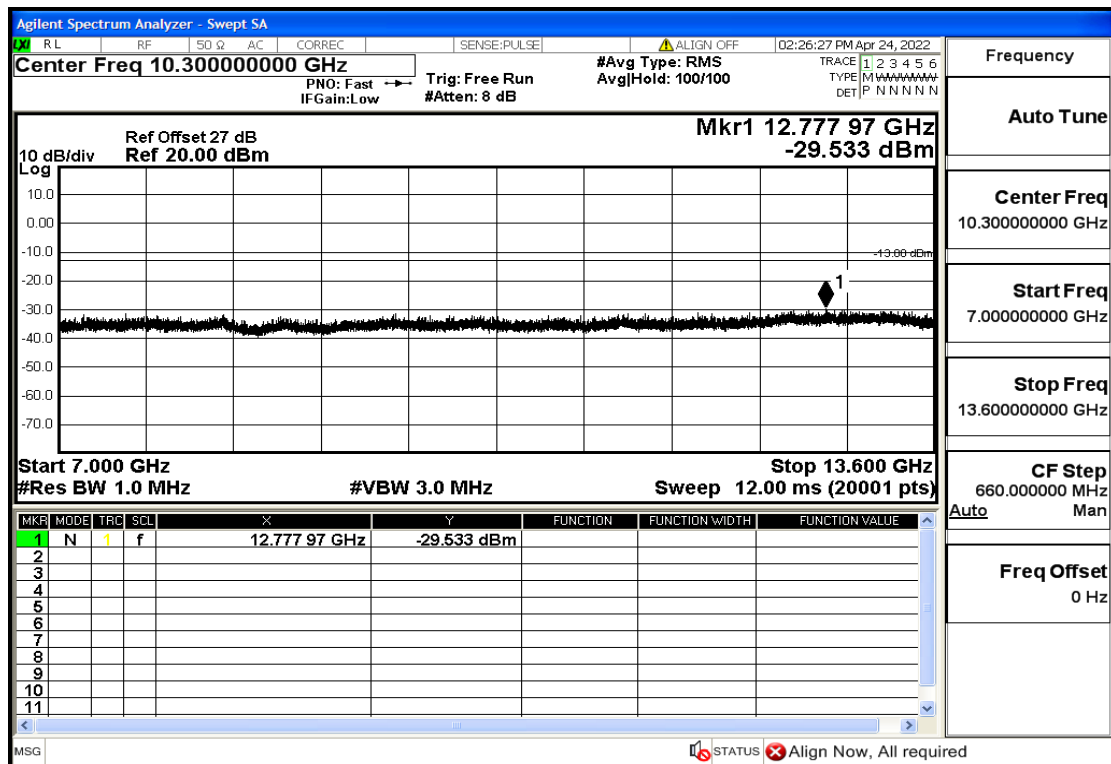
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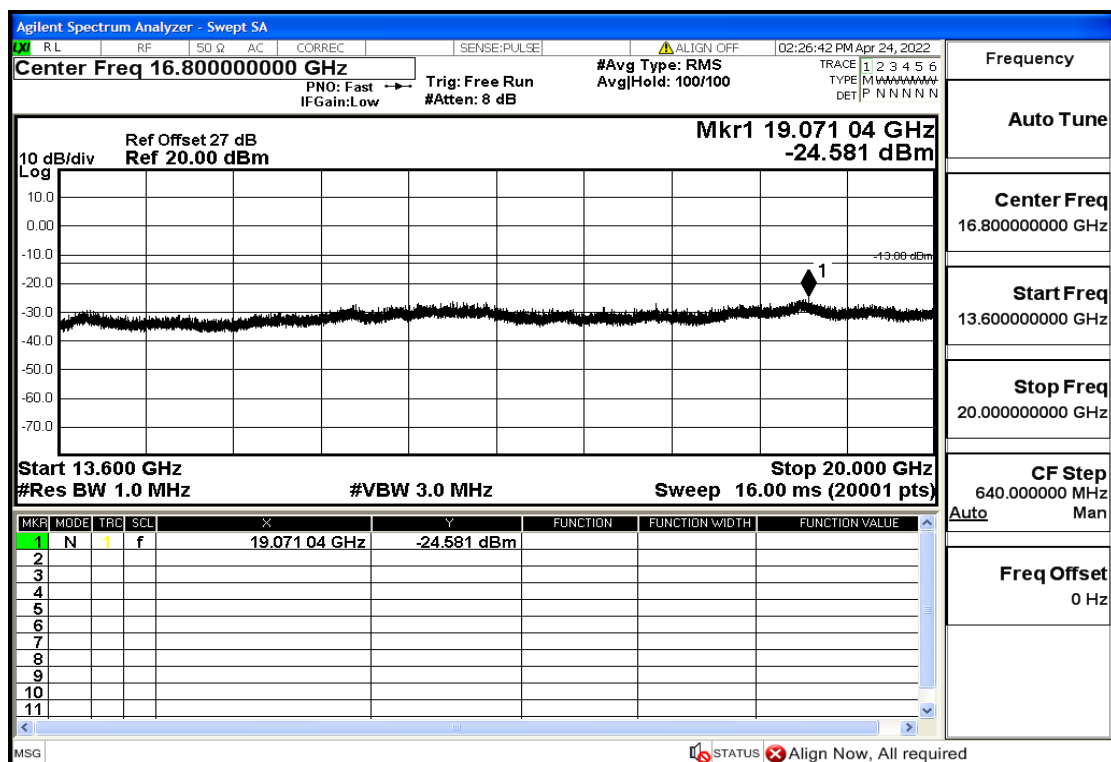
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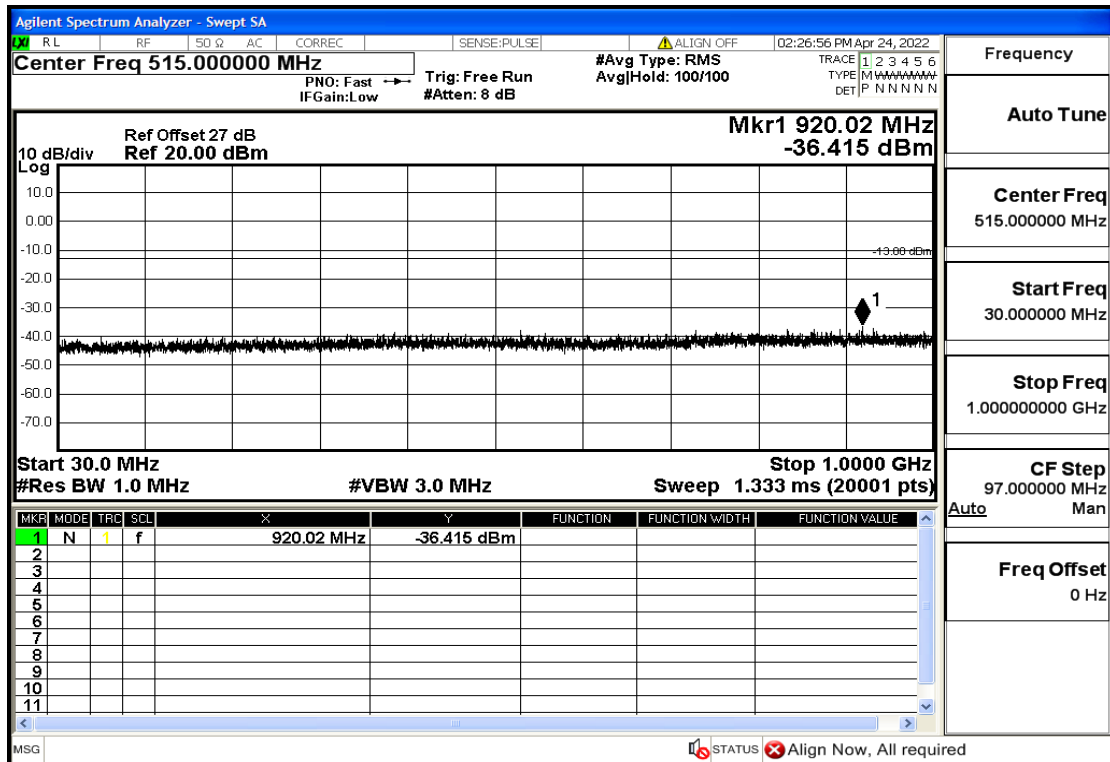
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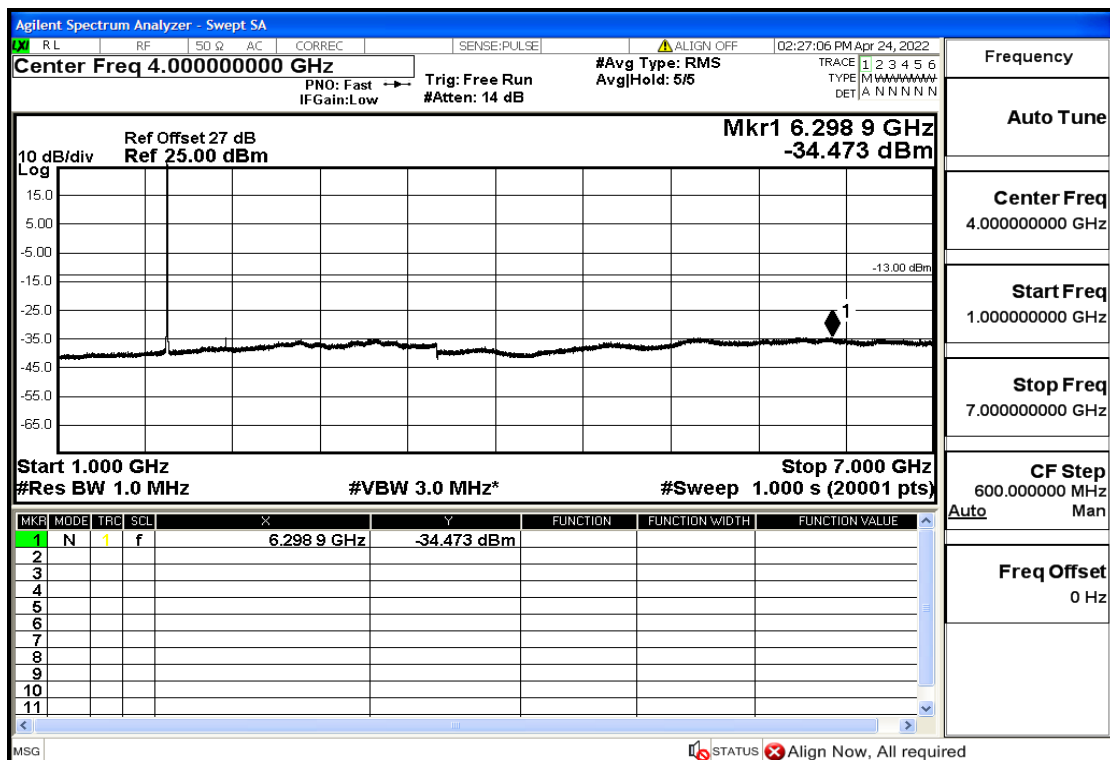
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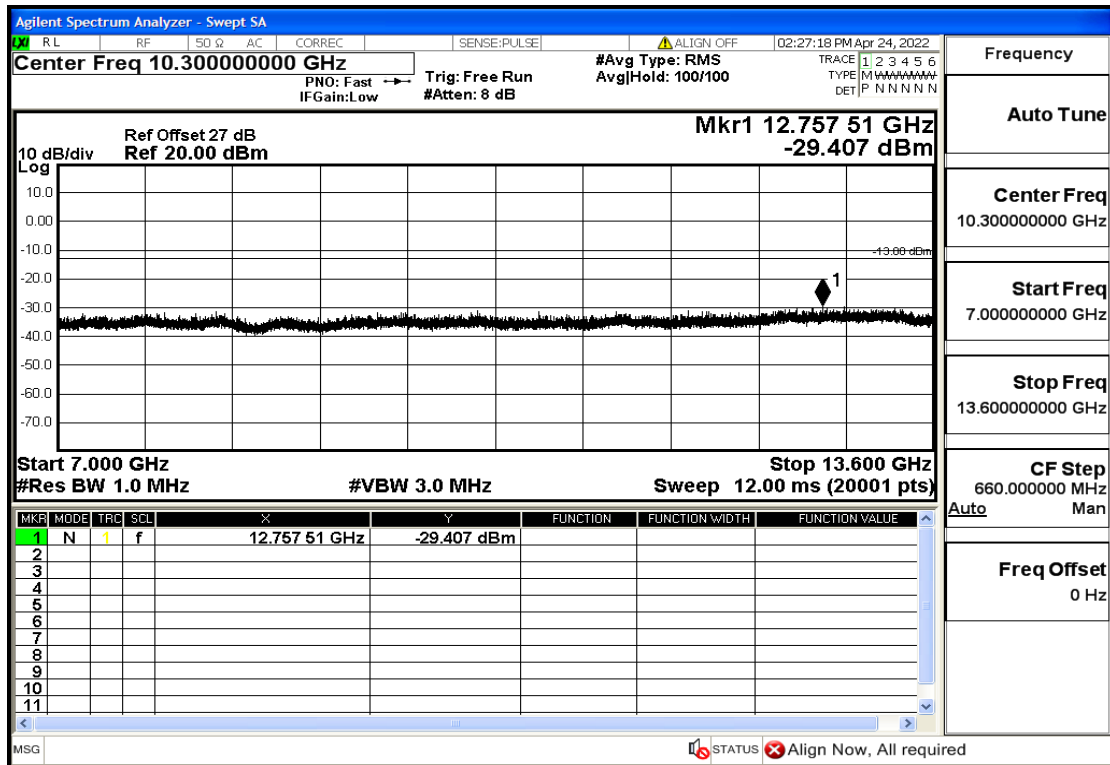
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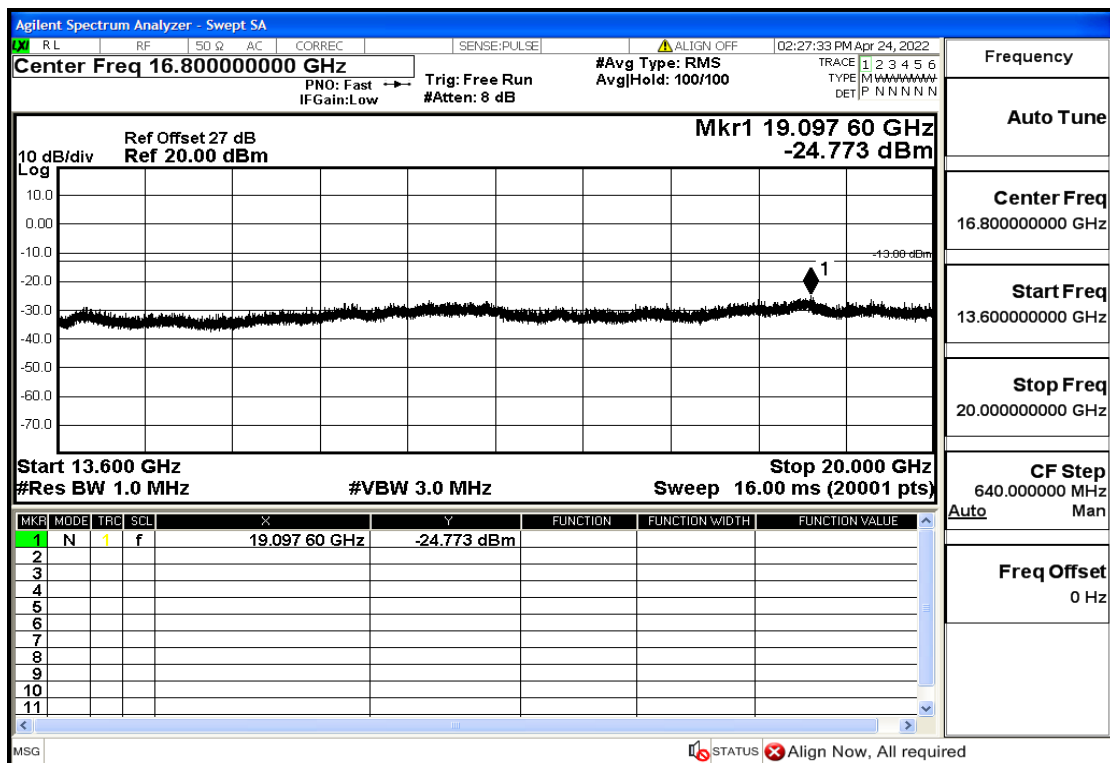
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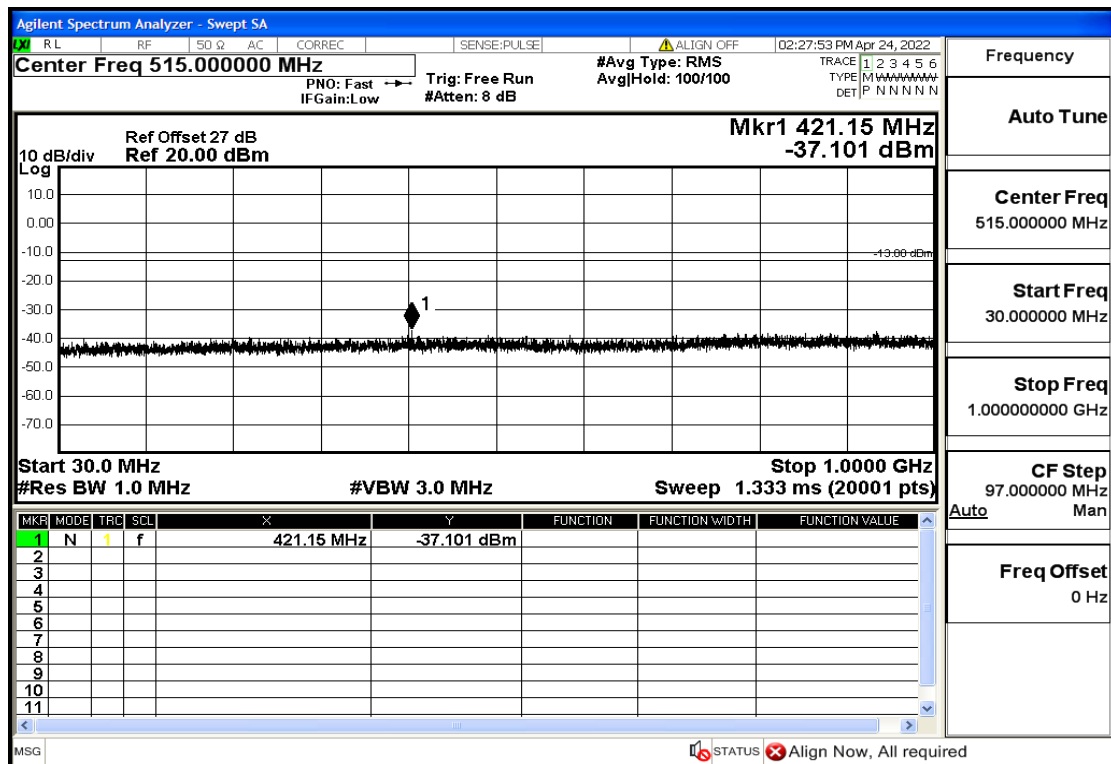
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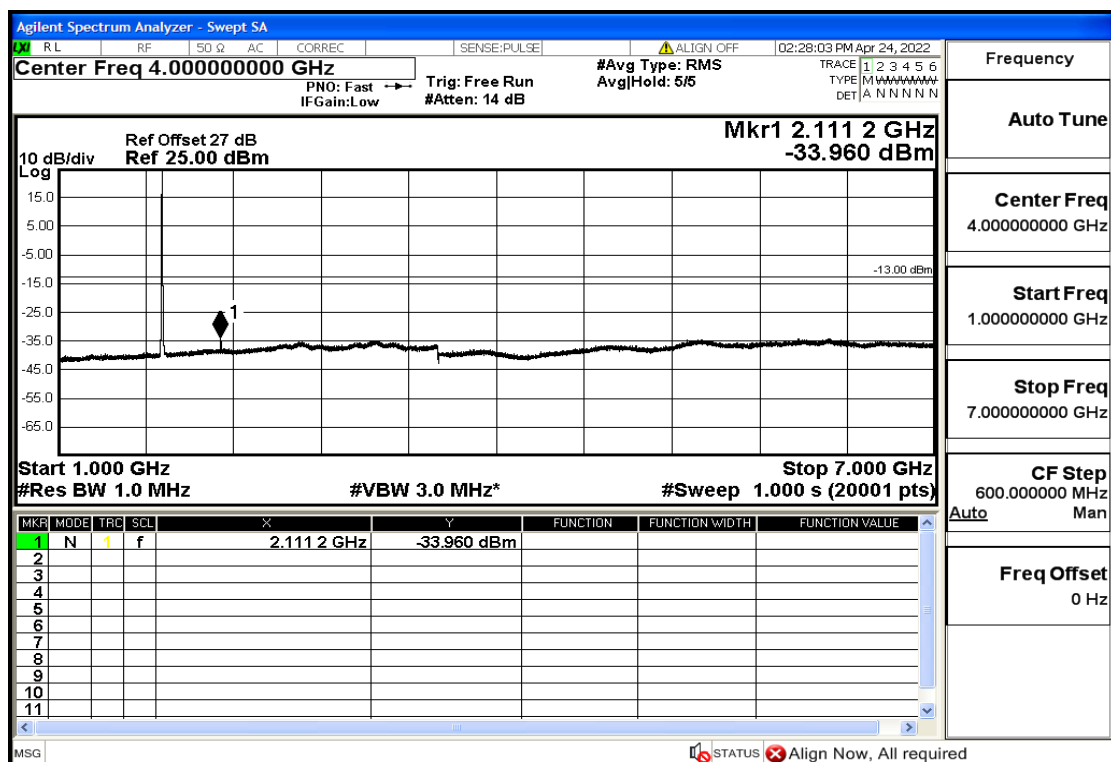
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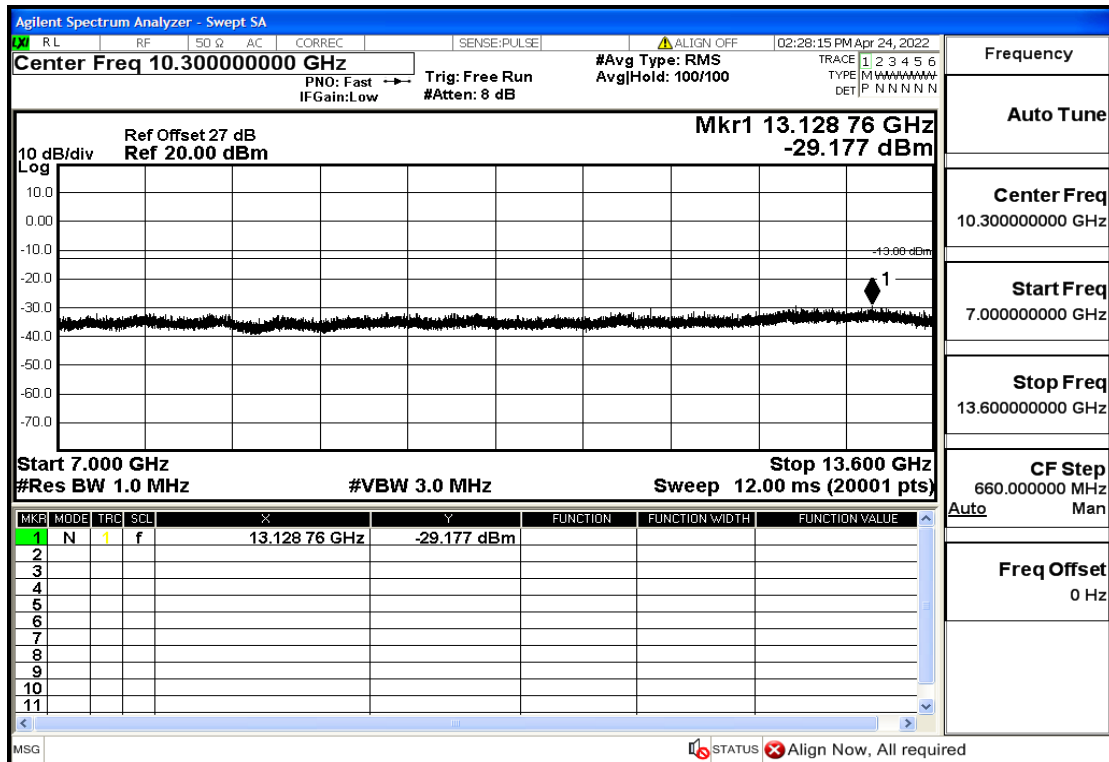
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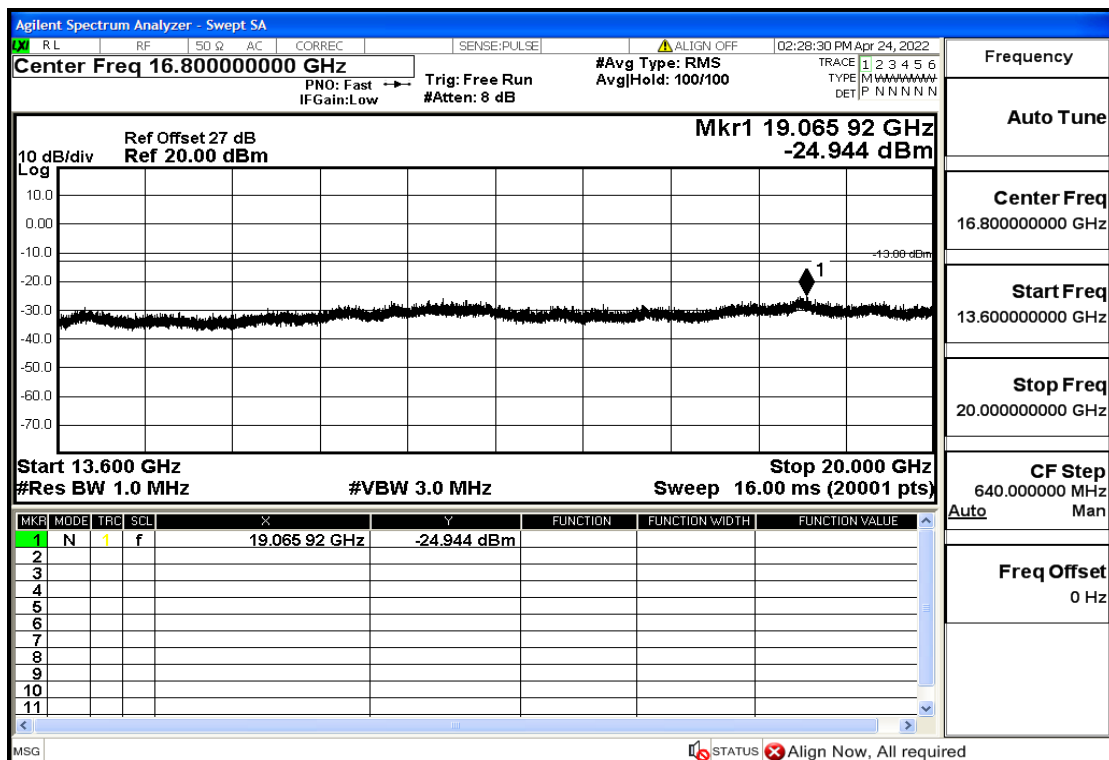
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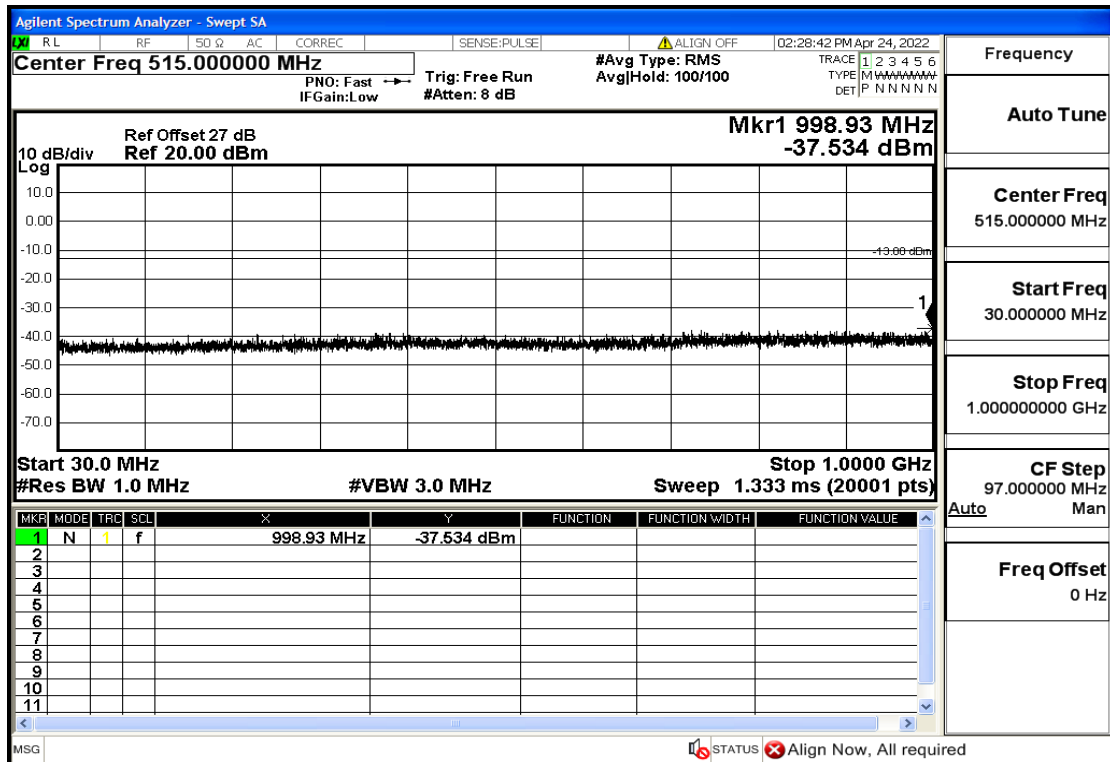
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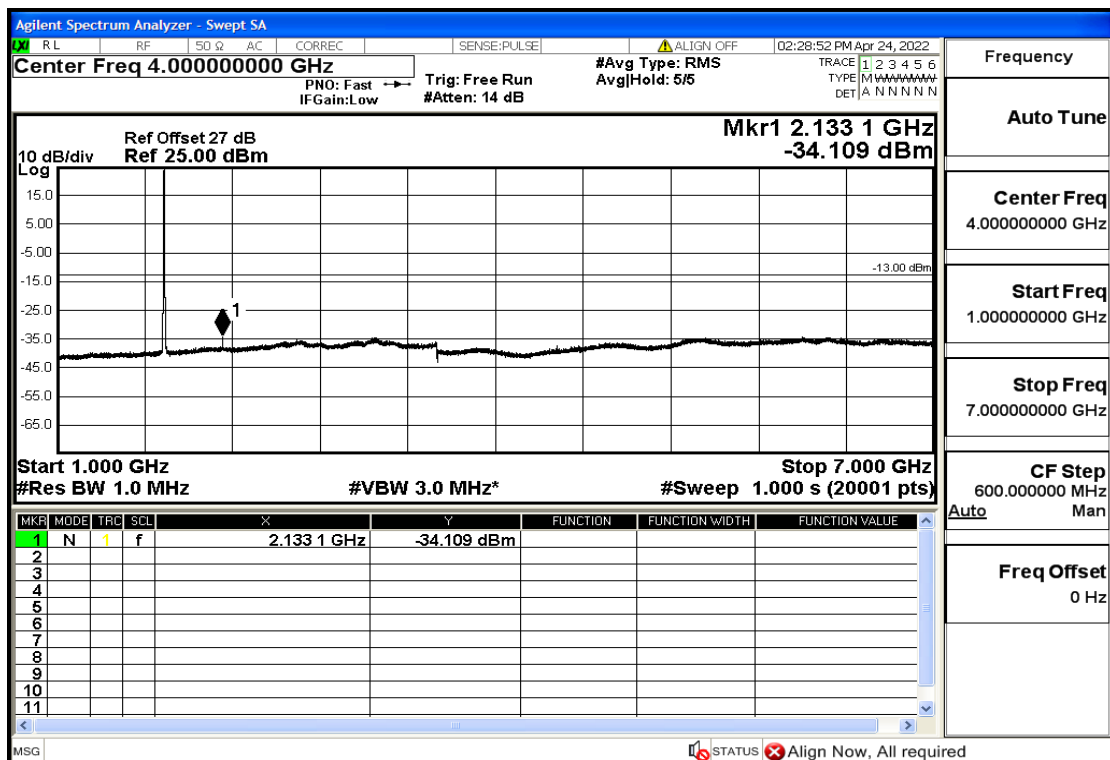
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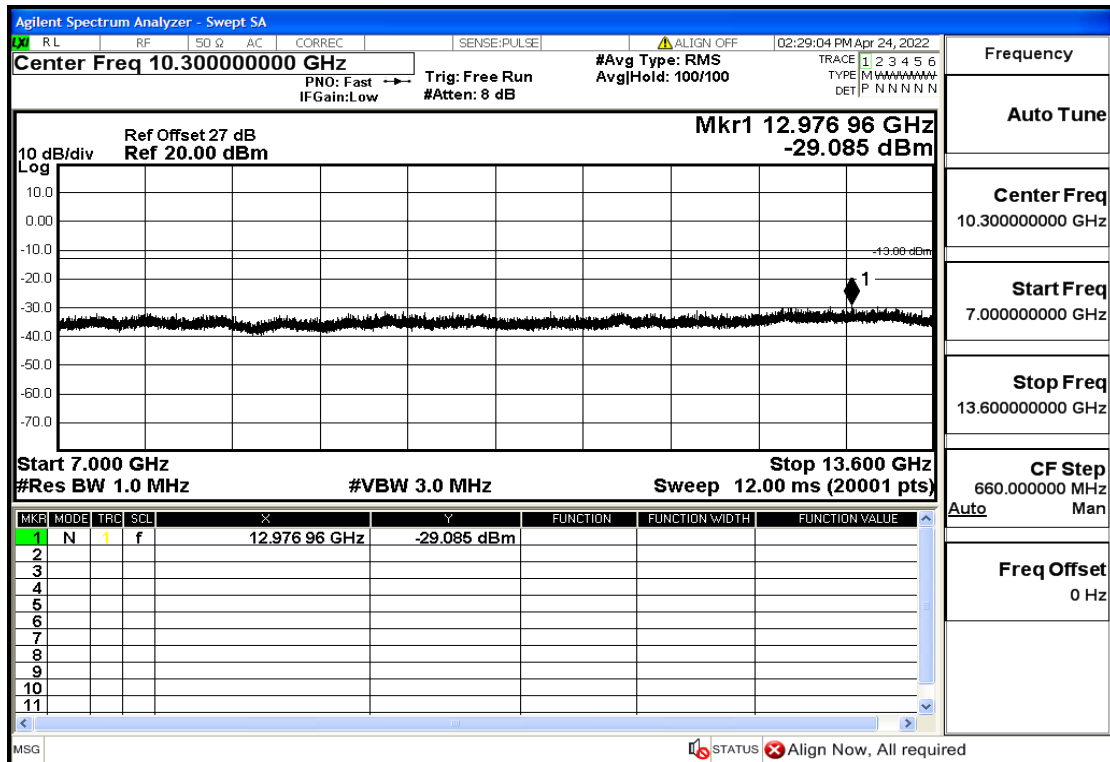
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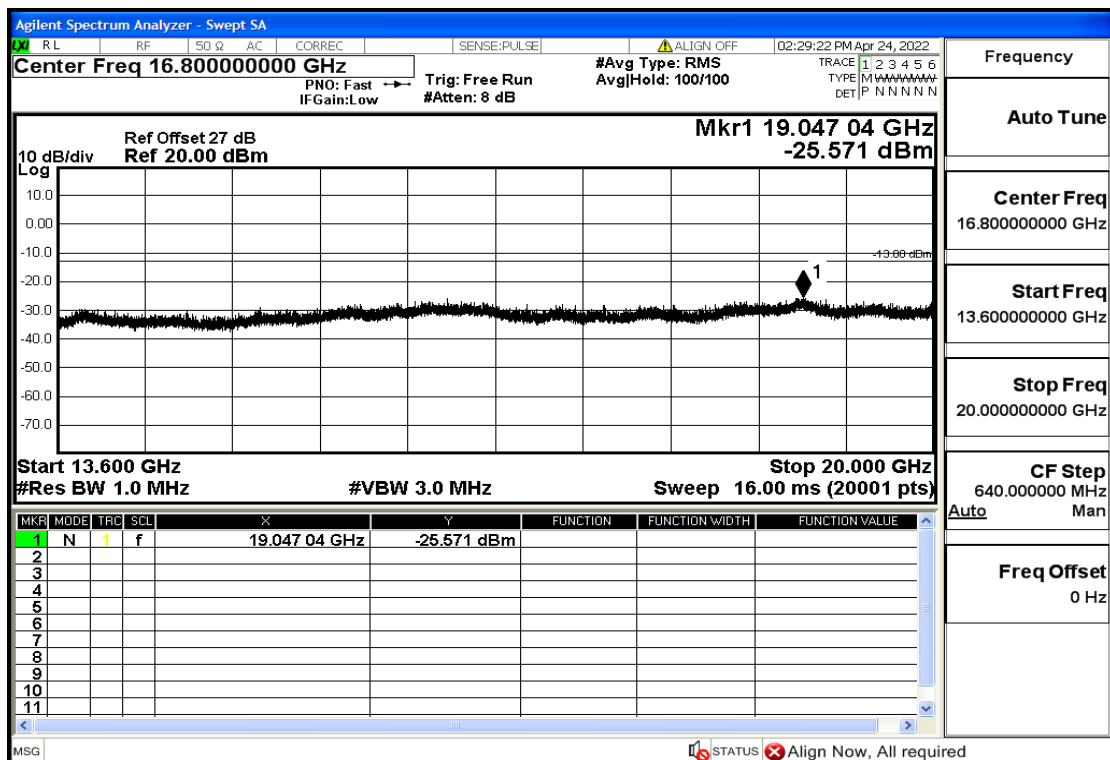
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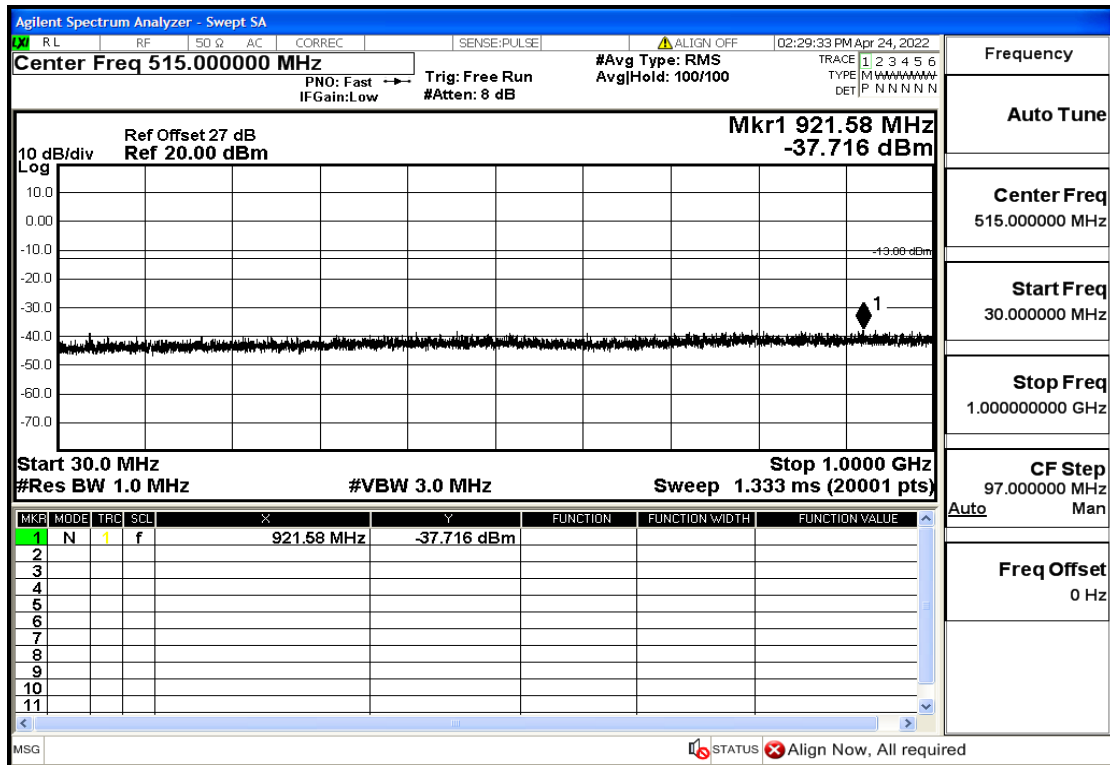
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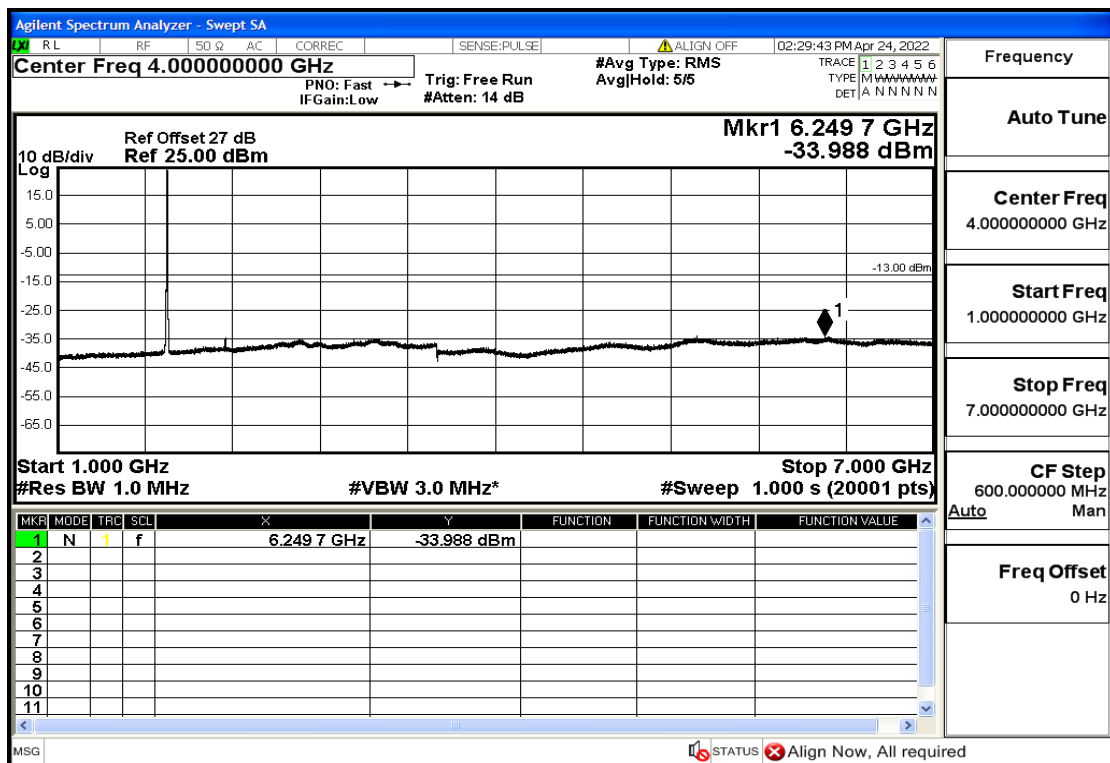
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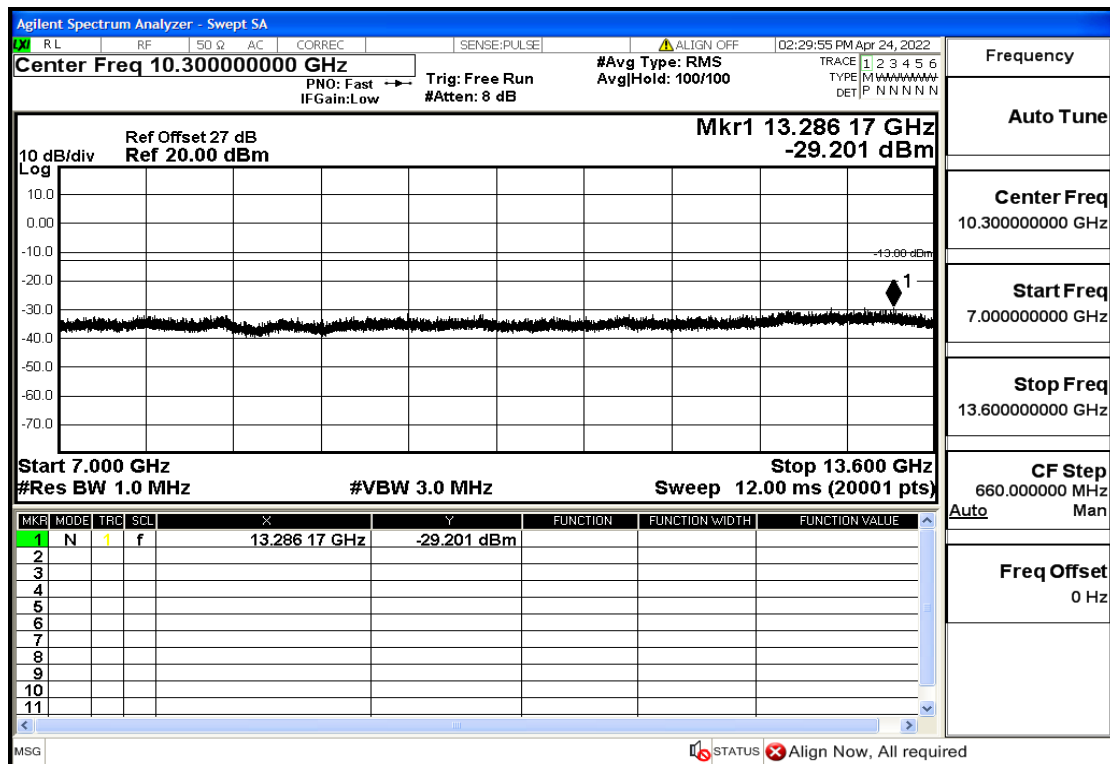
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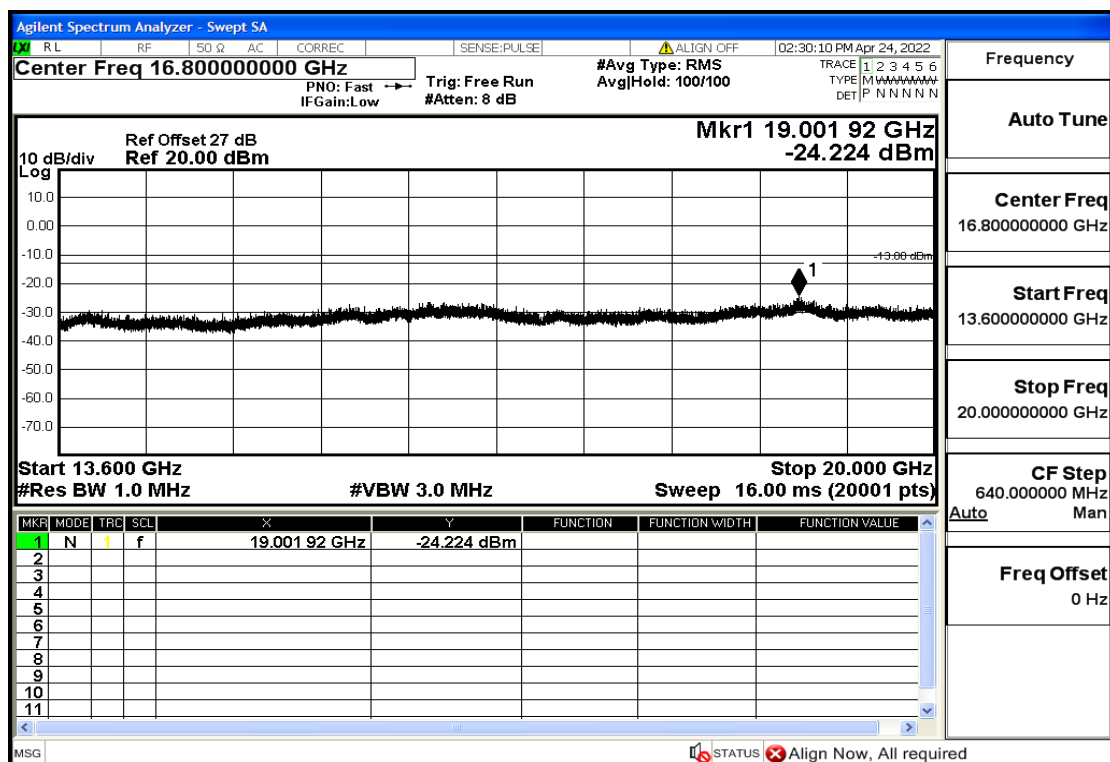
OB4-5-1752.5-Q16-25#LOW@1GHz-7GHz@Pass



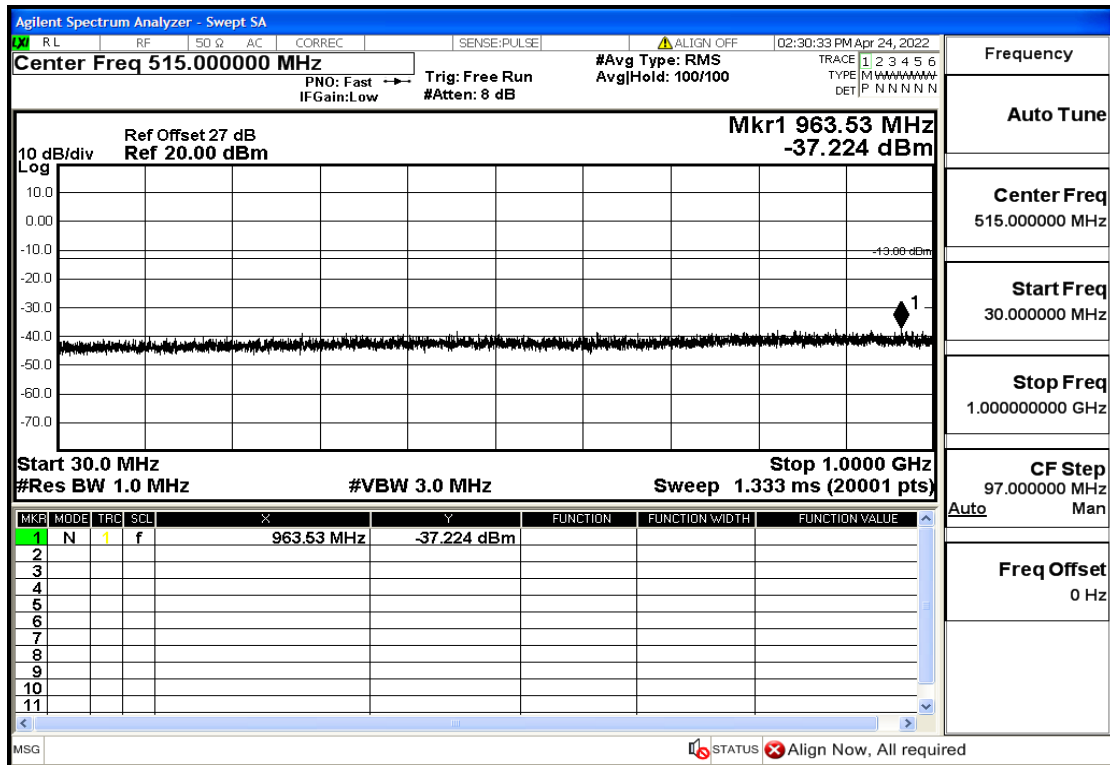
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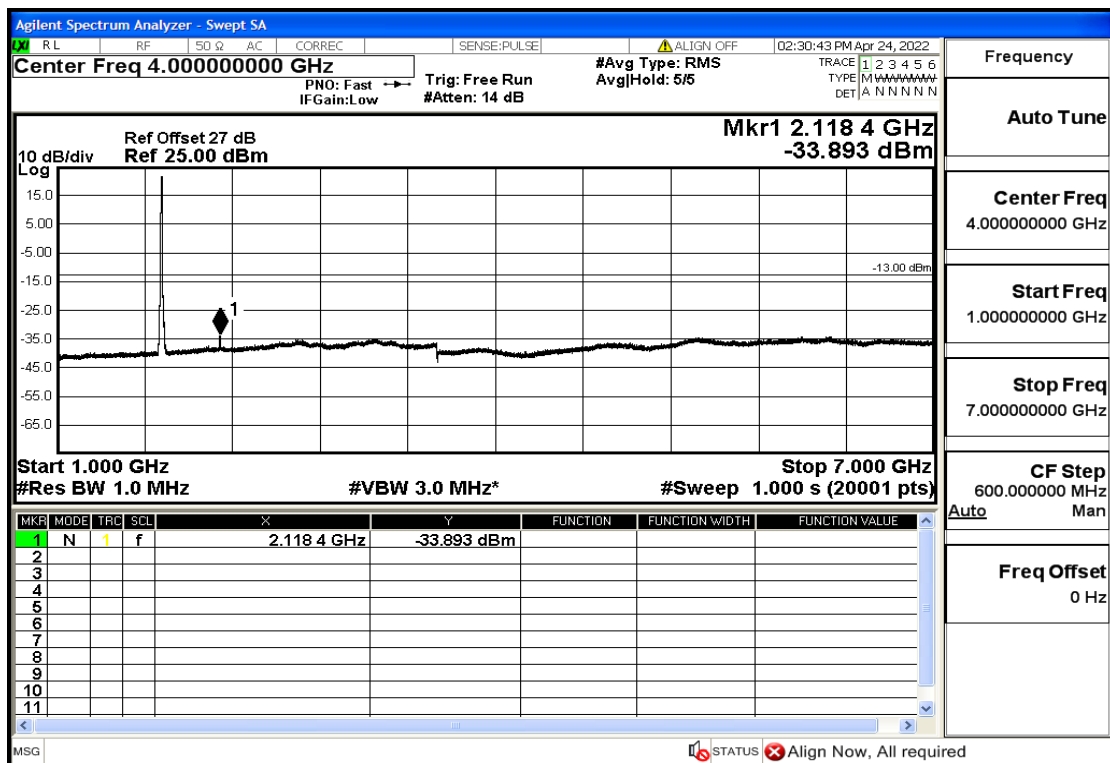
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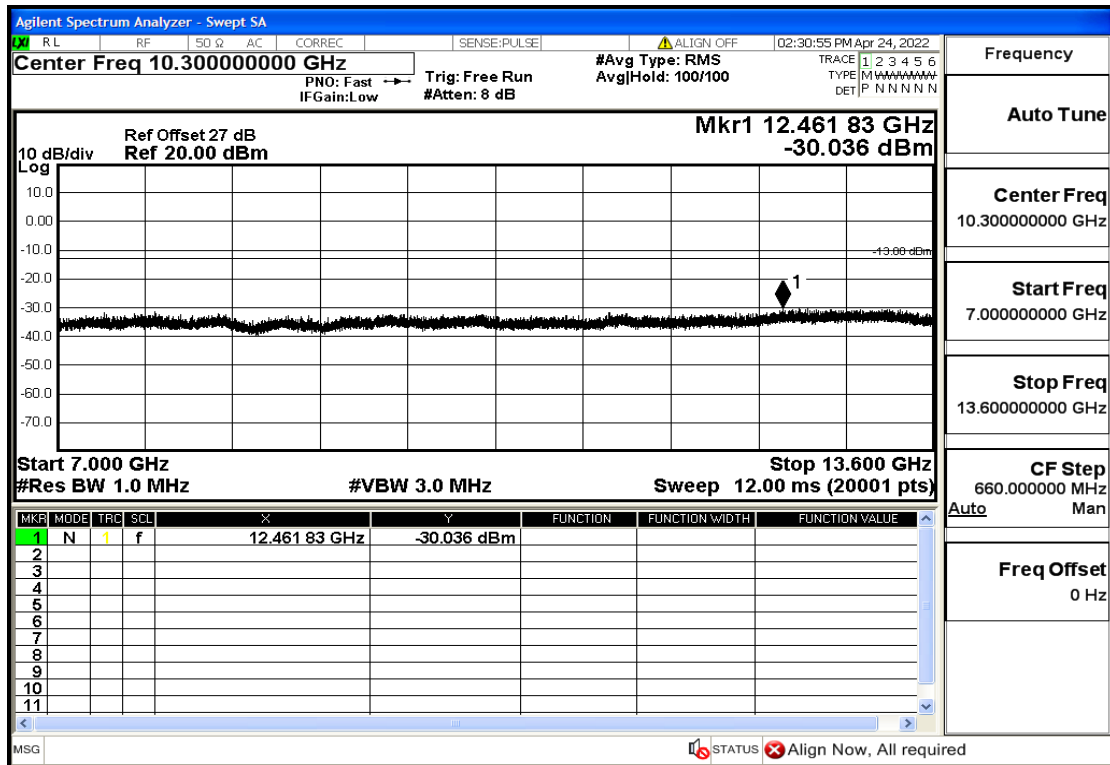
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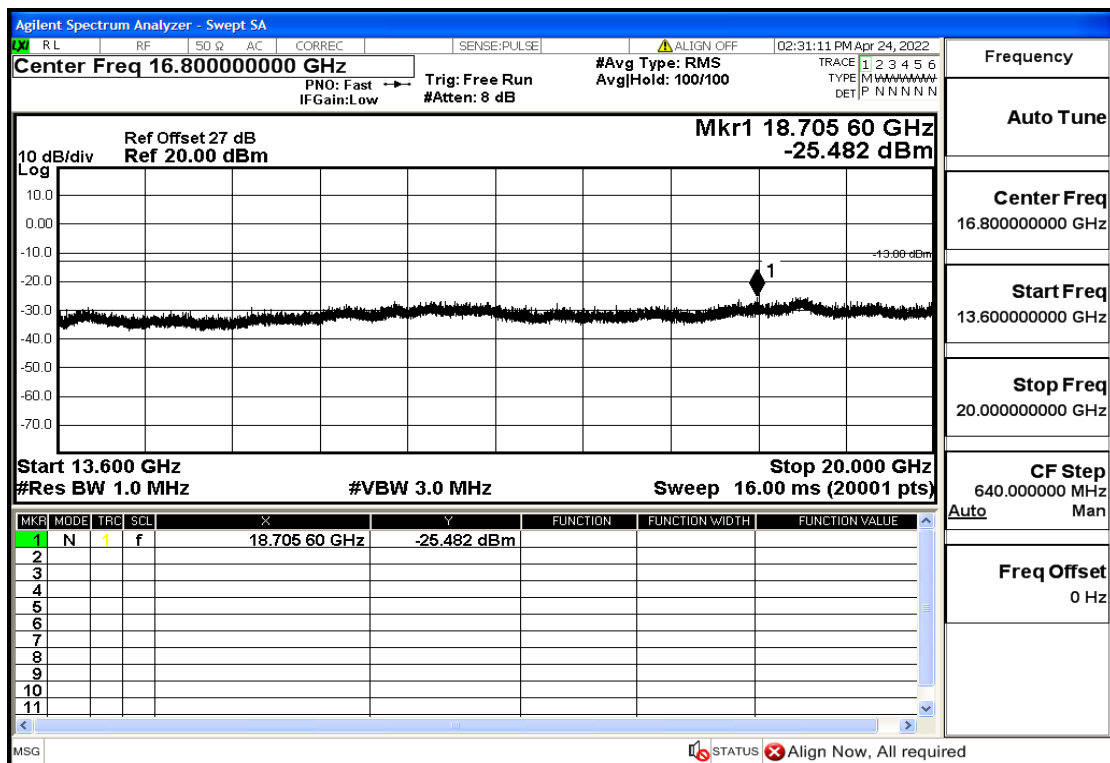
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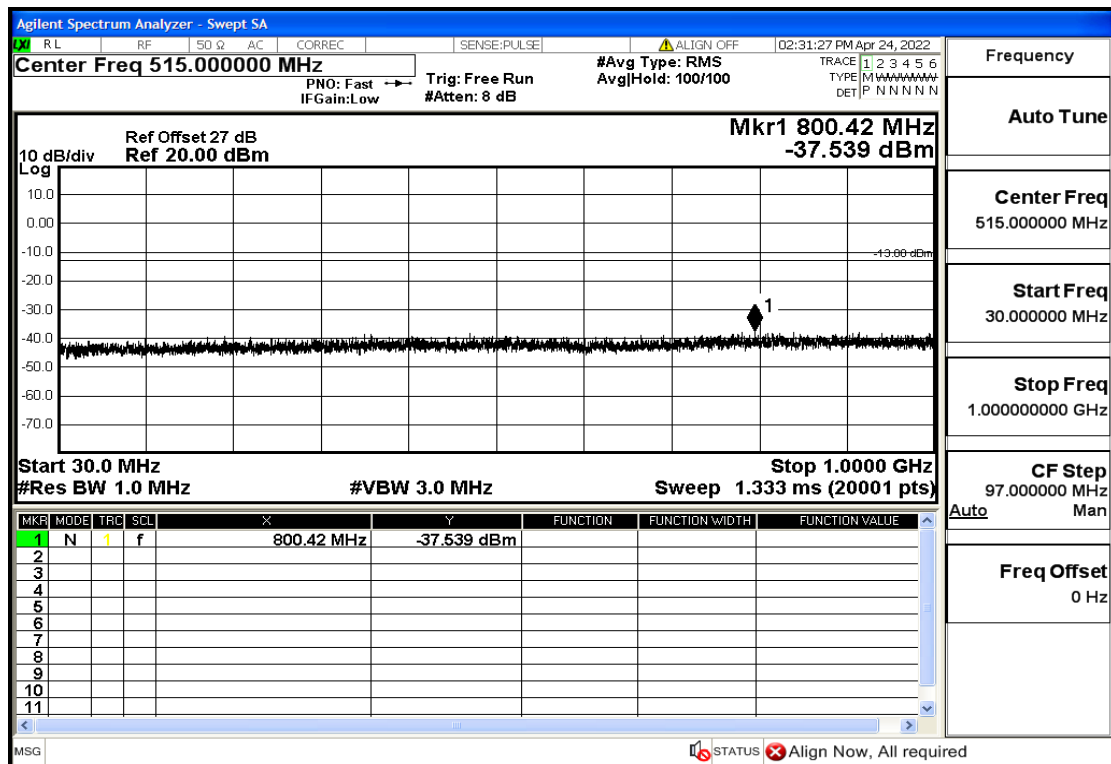
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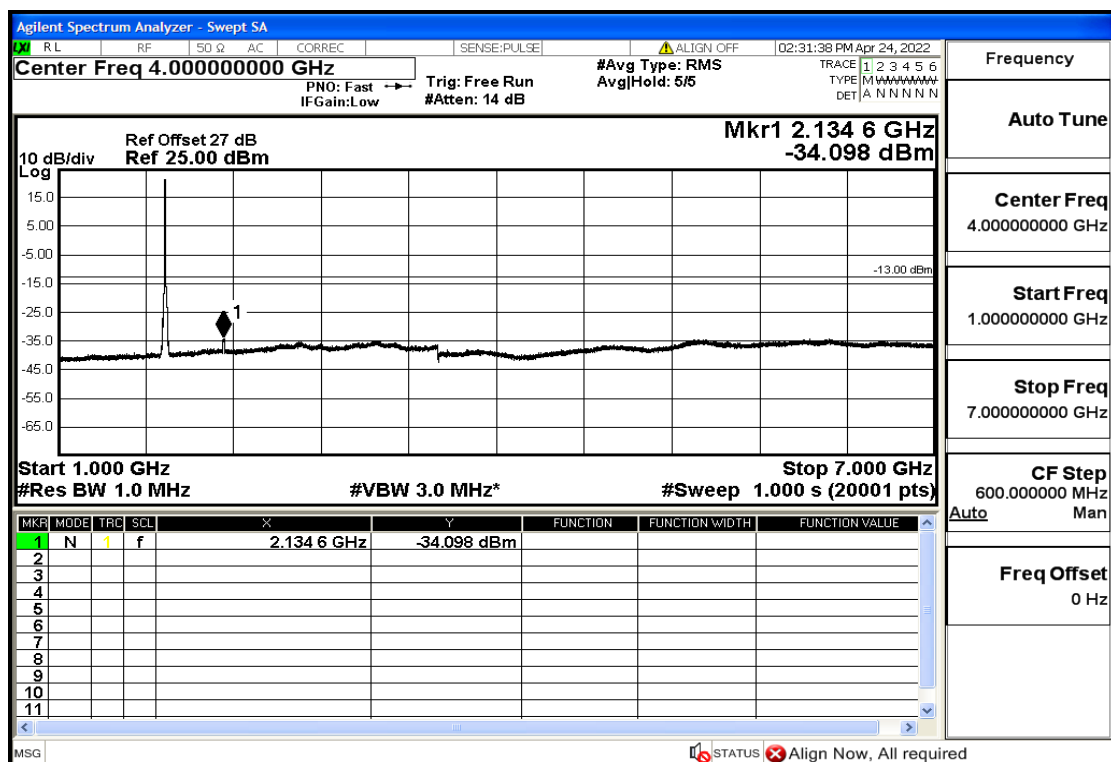
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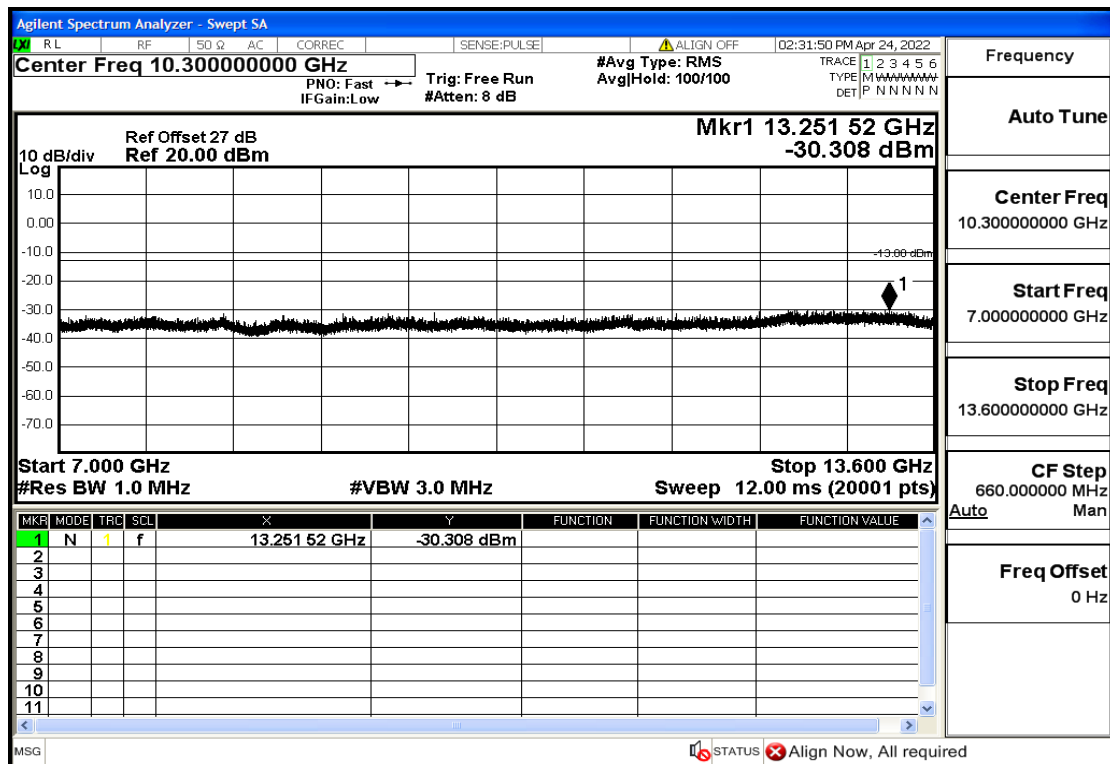
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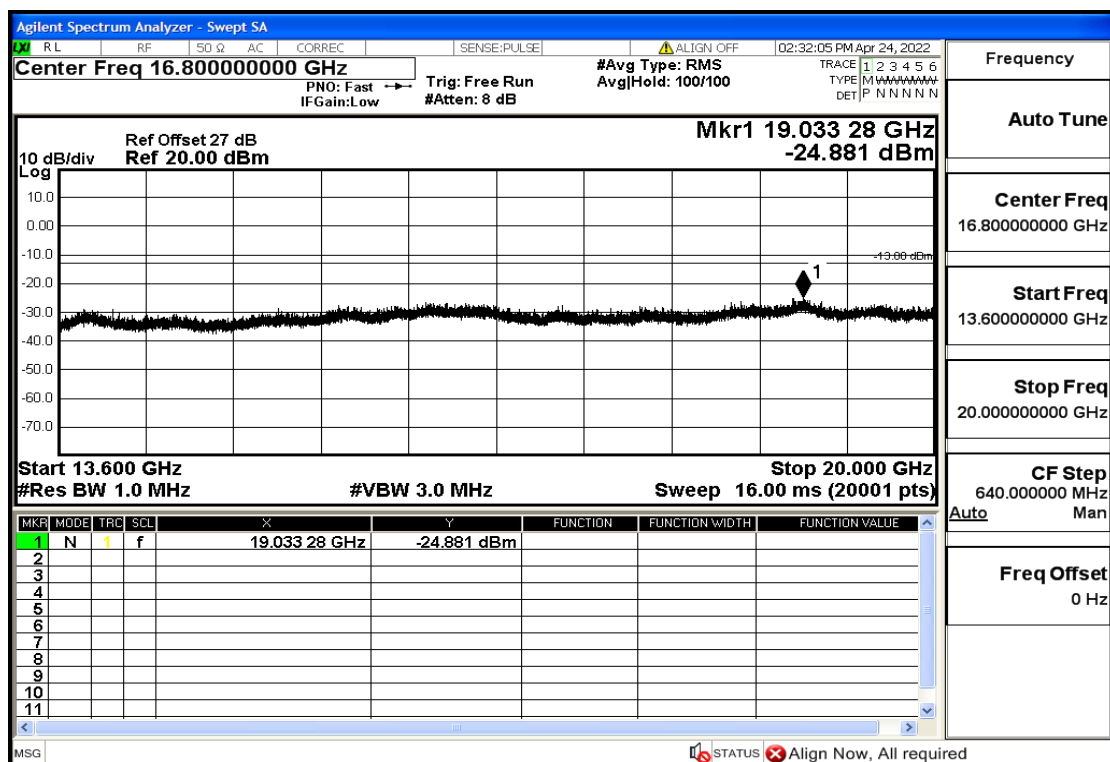
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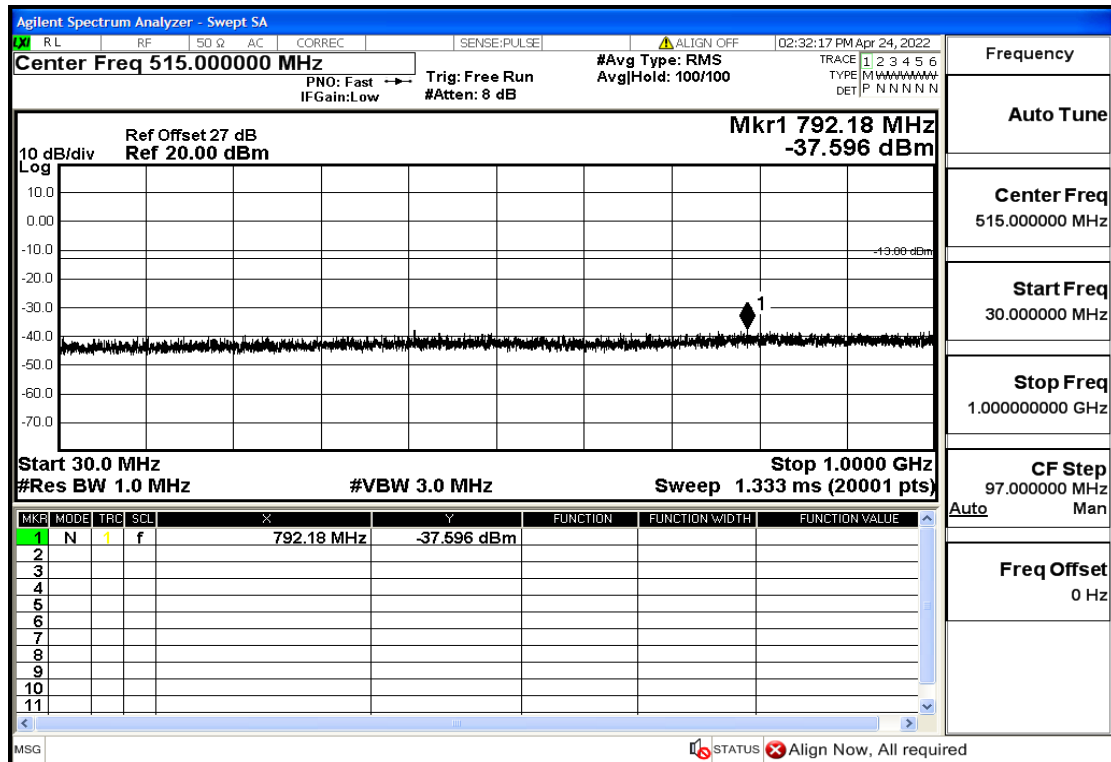
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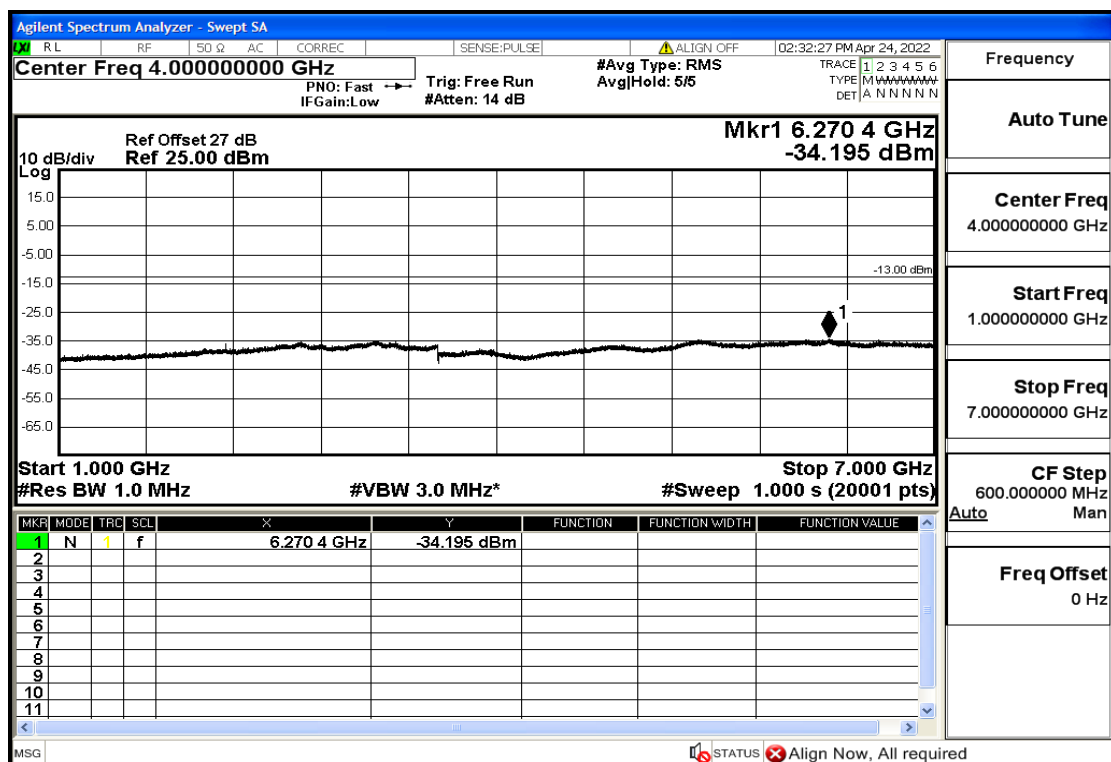
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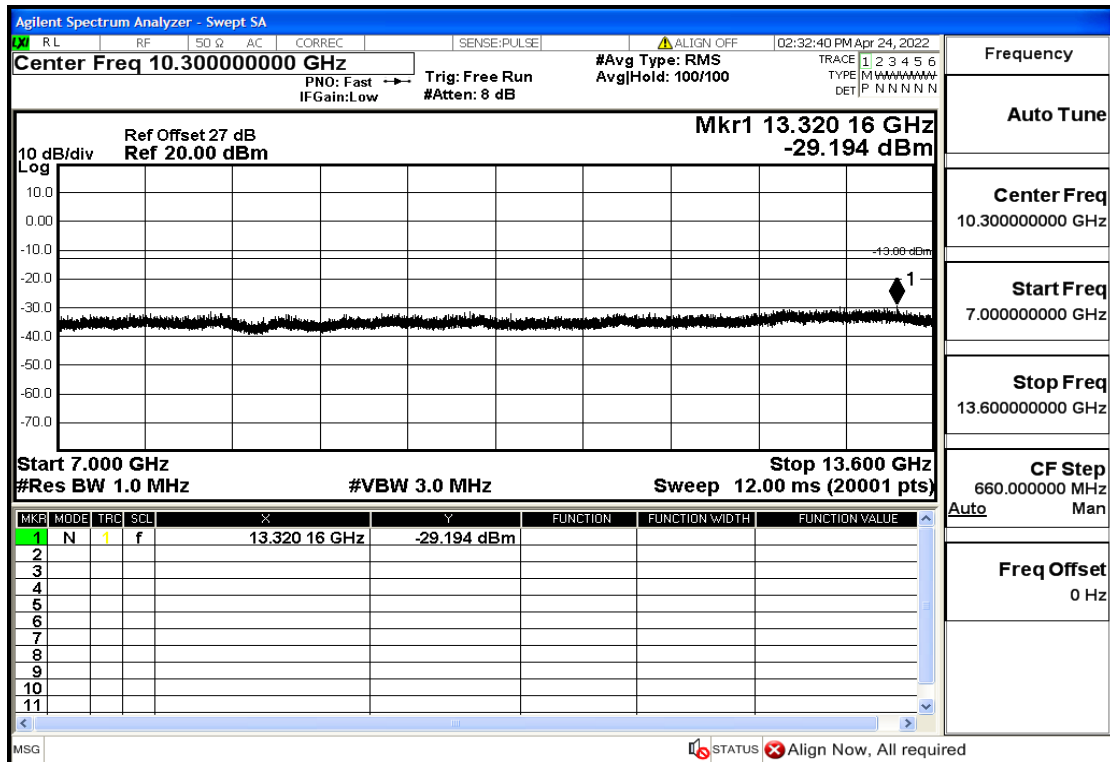
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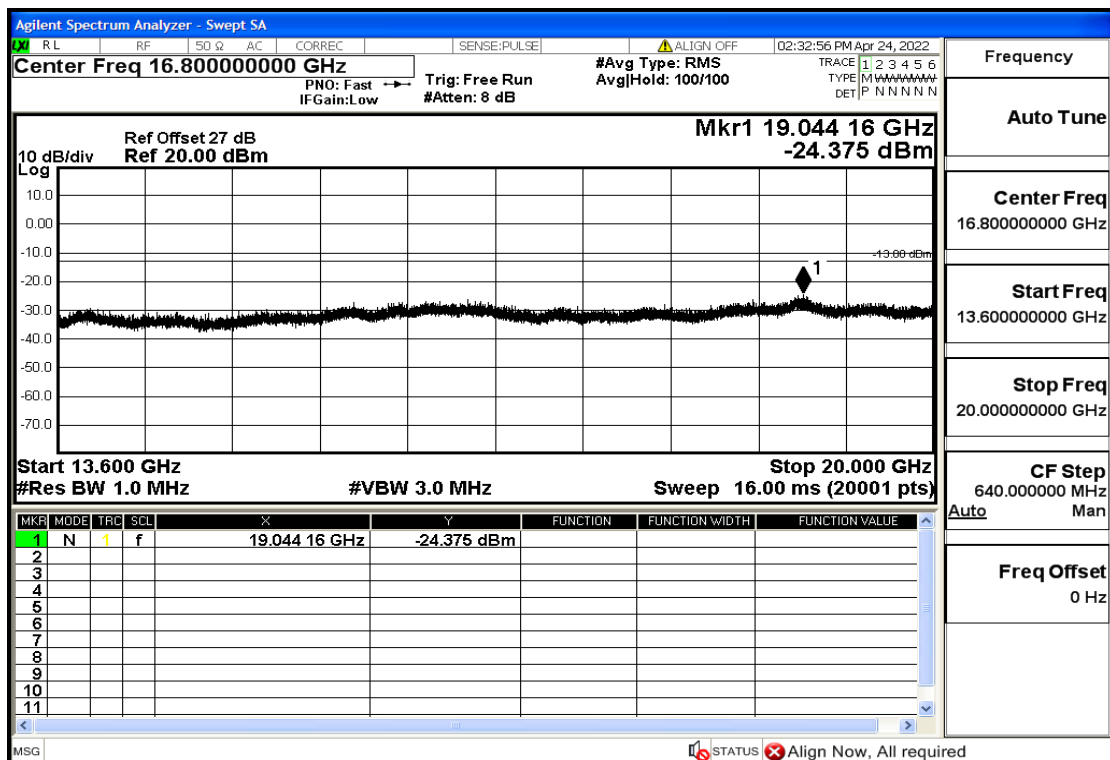
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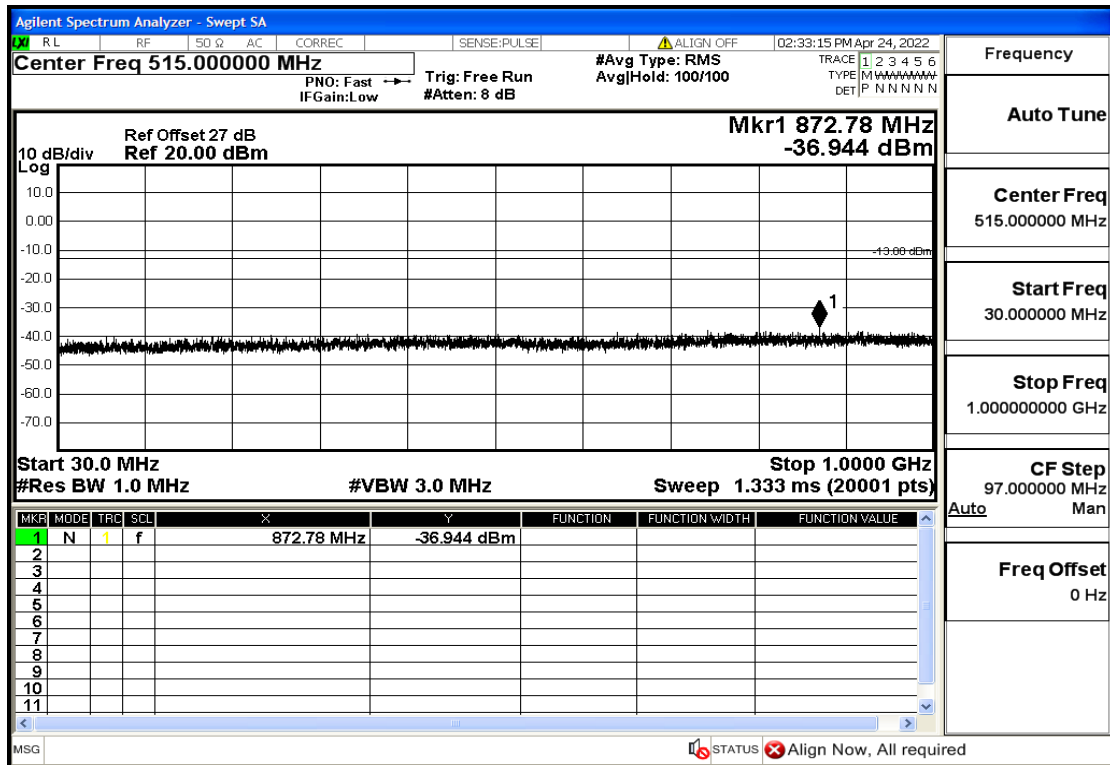
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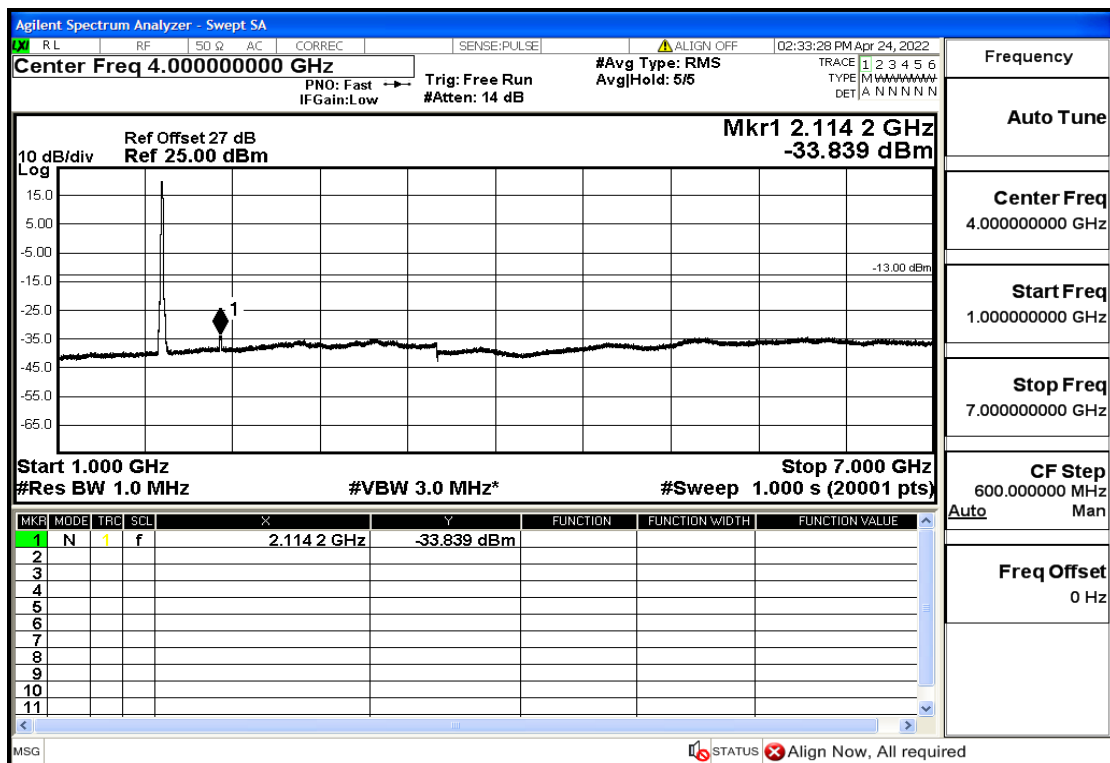
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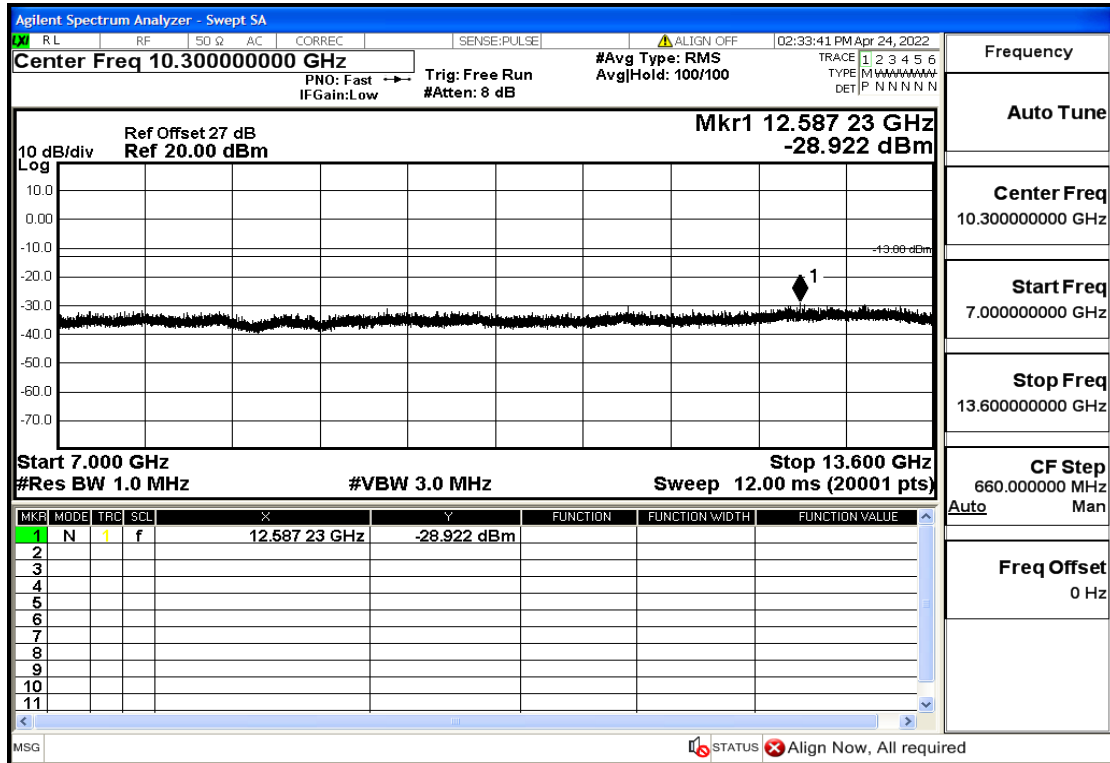
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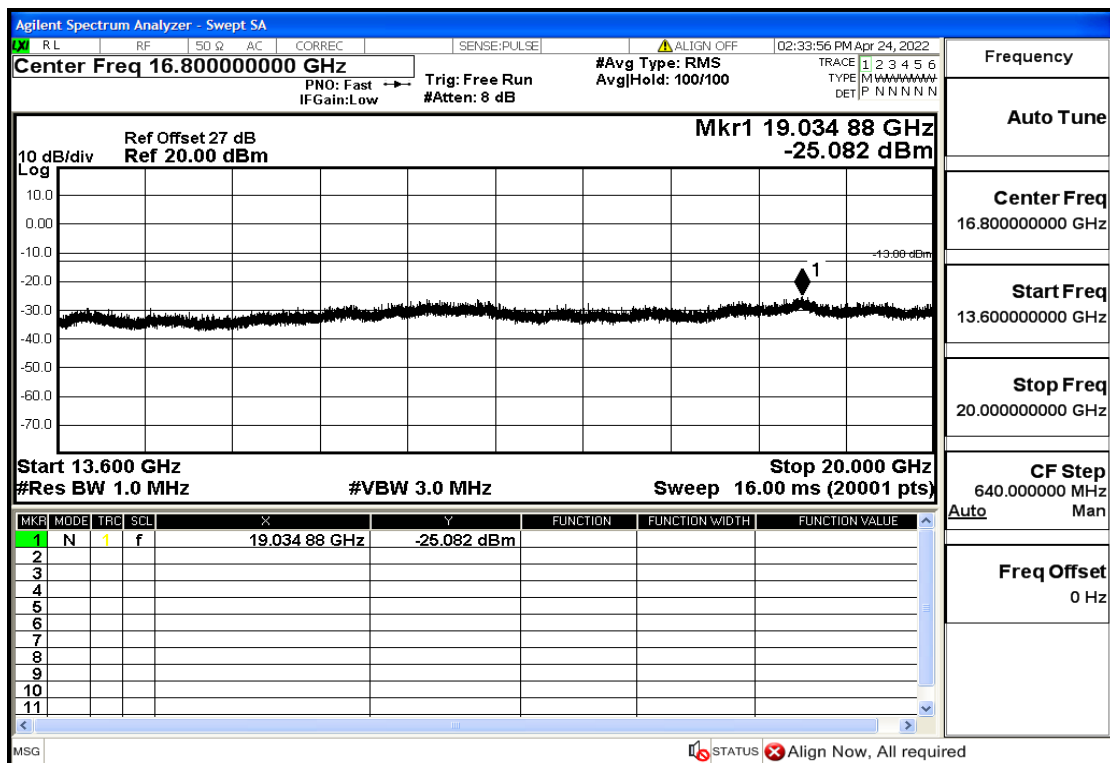
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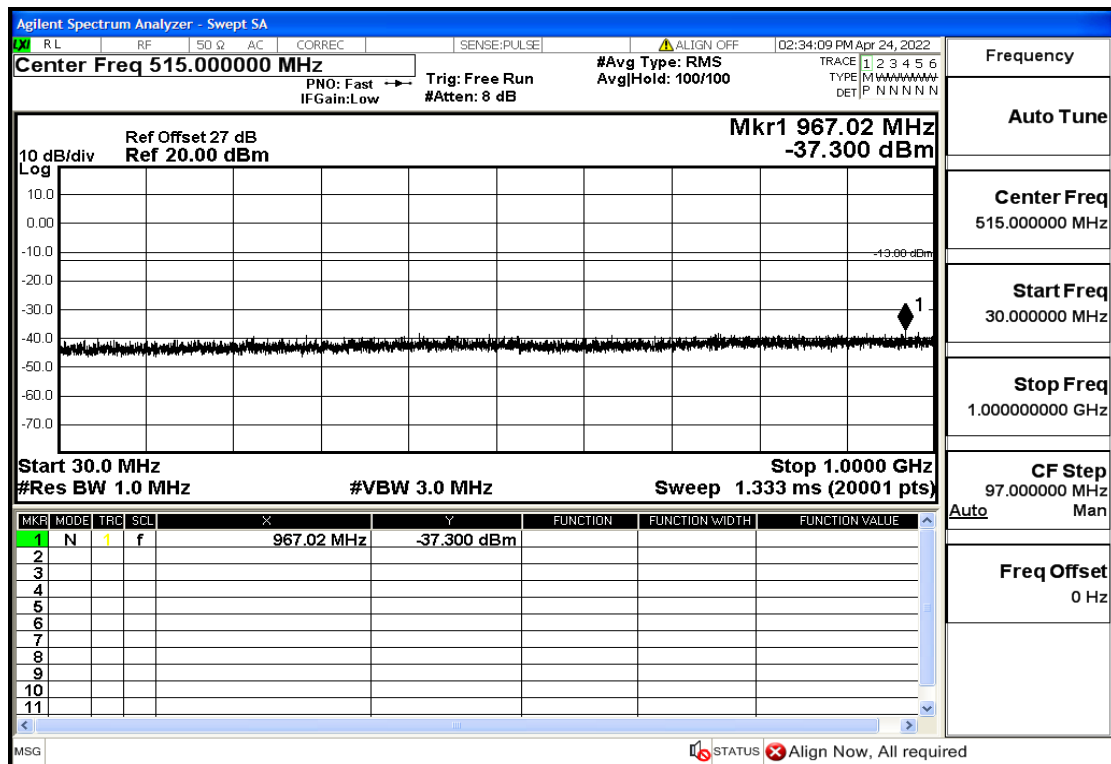
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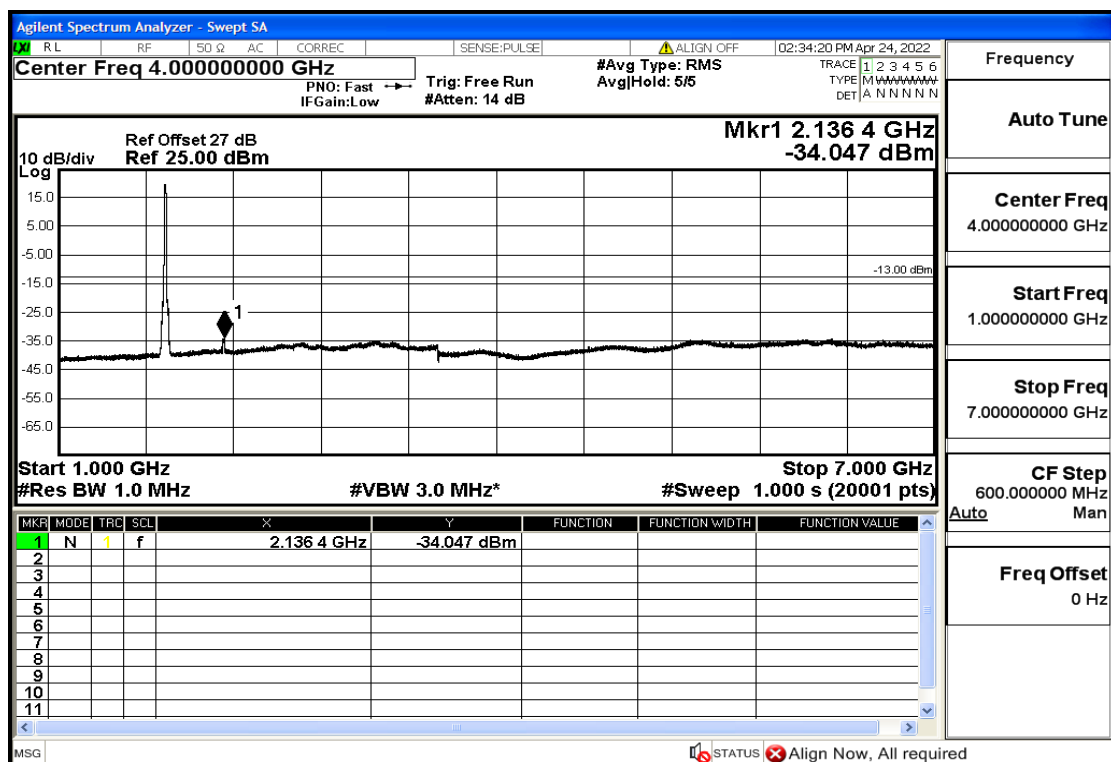
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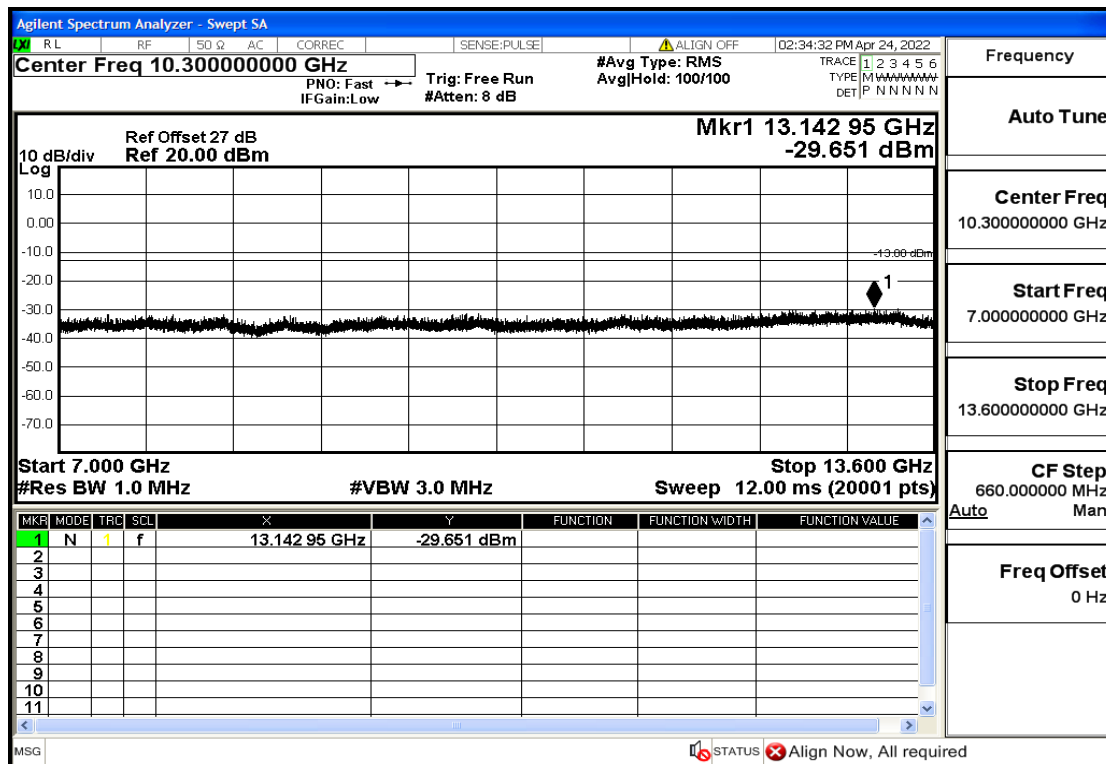
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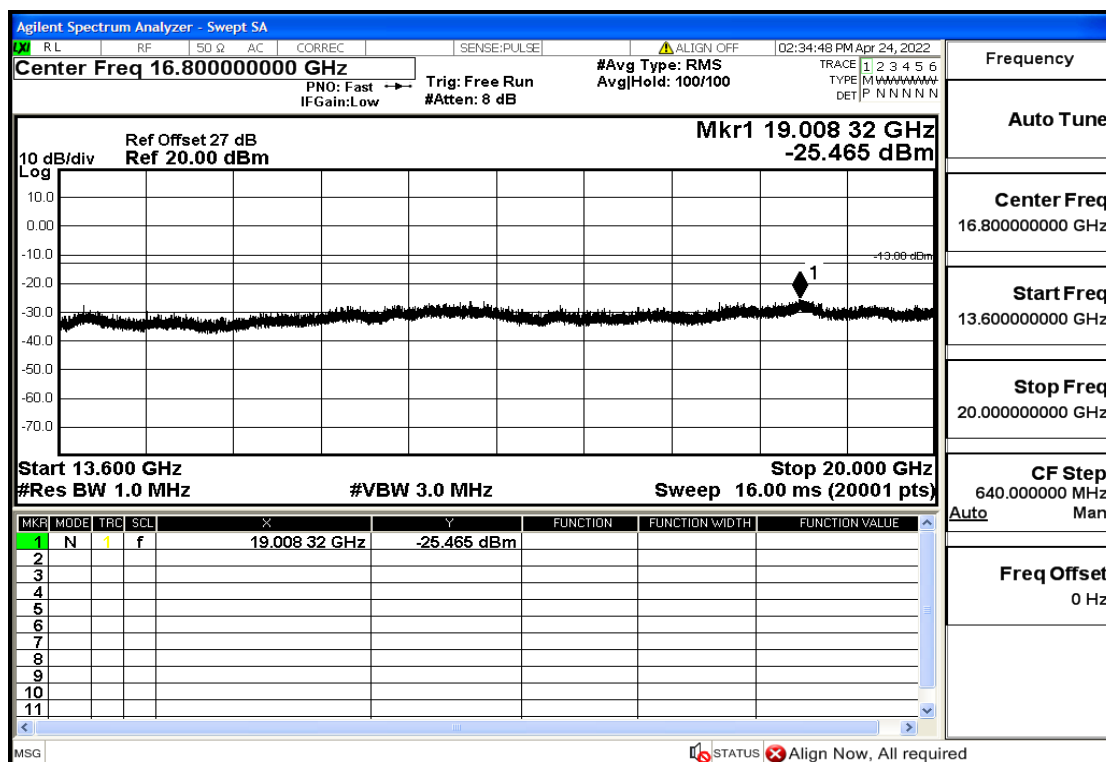
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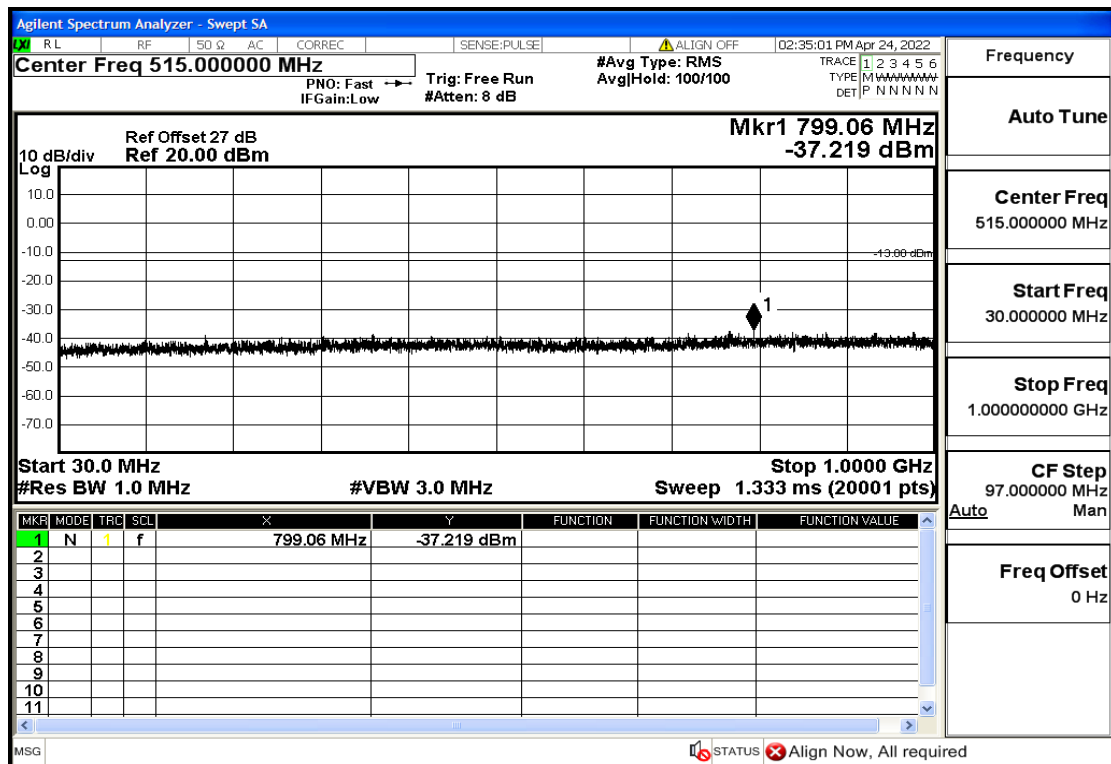
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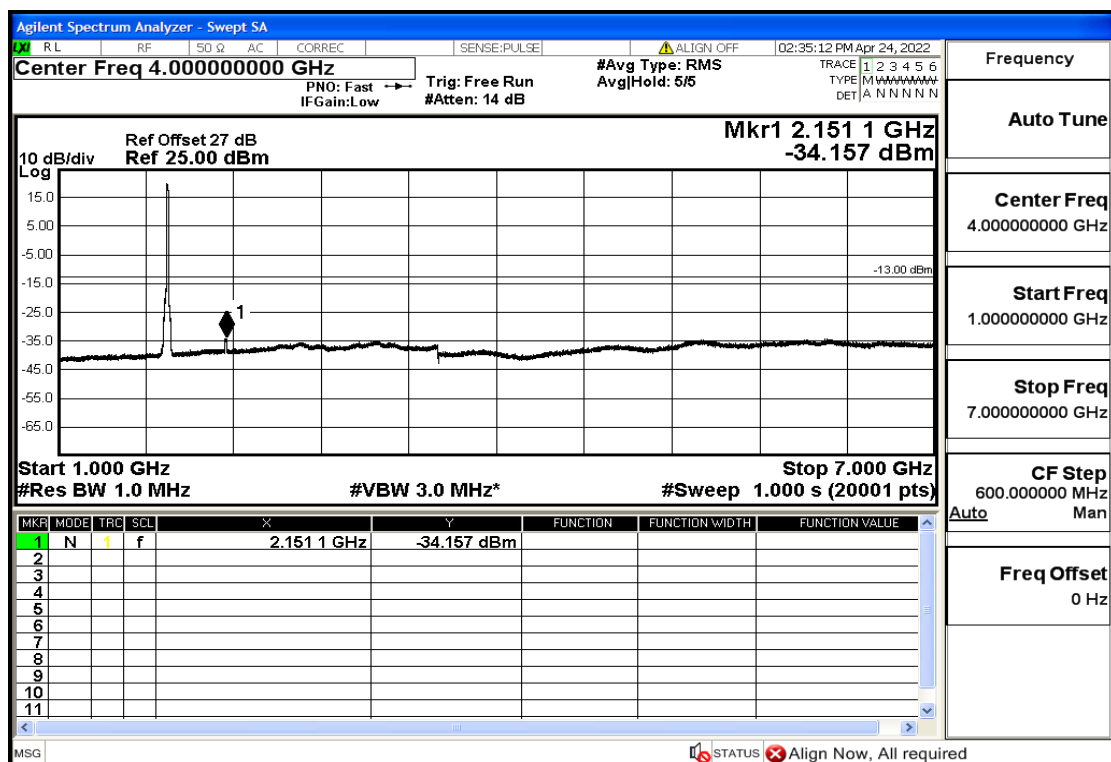
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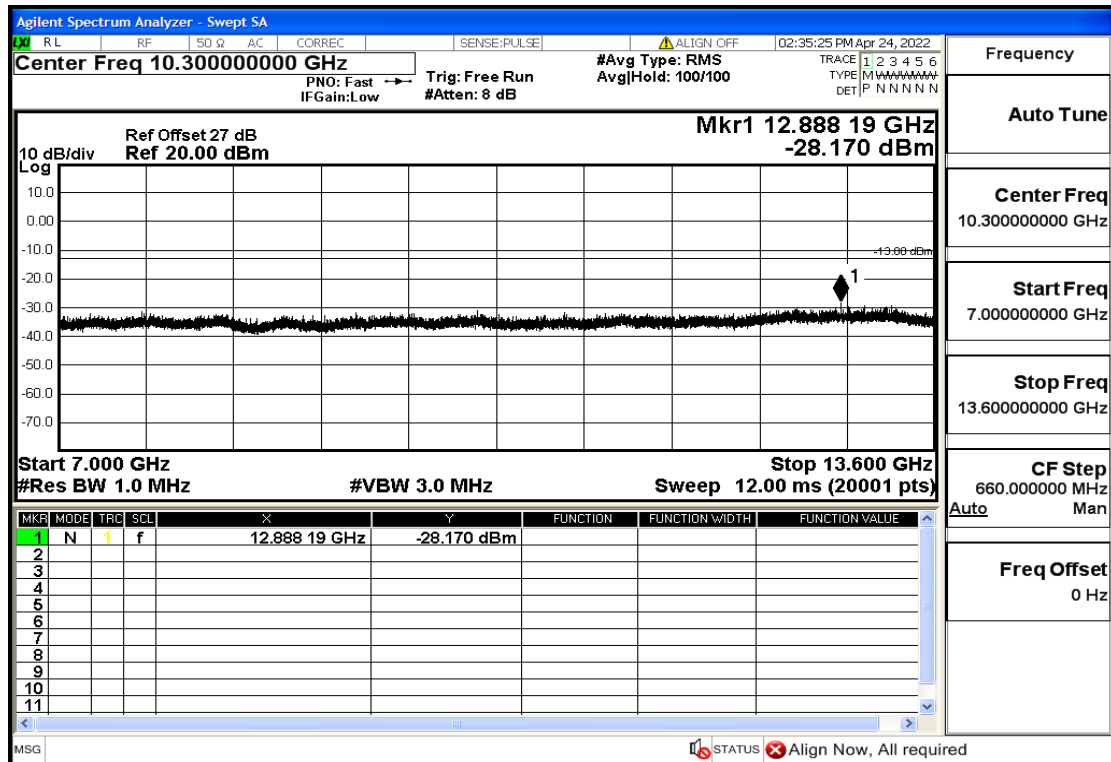
OB4-15-1747.5-Q16-75#LOW@30mHz-1GHz@Pass



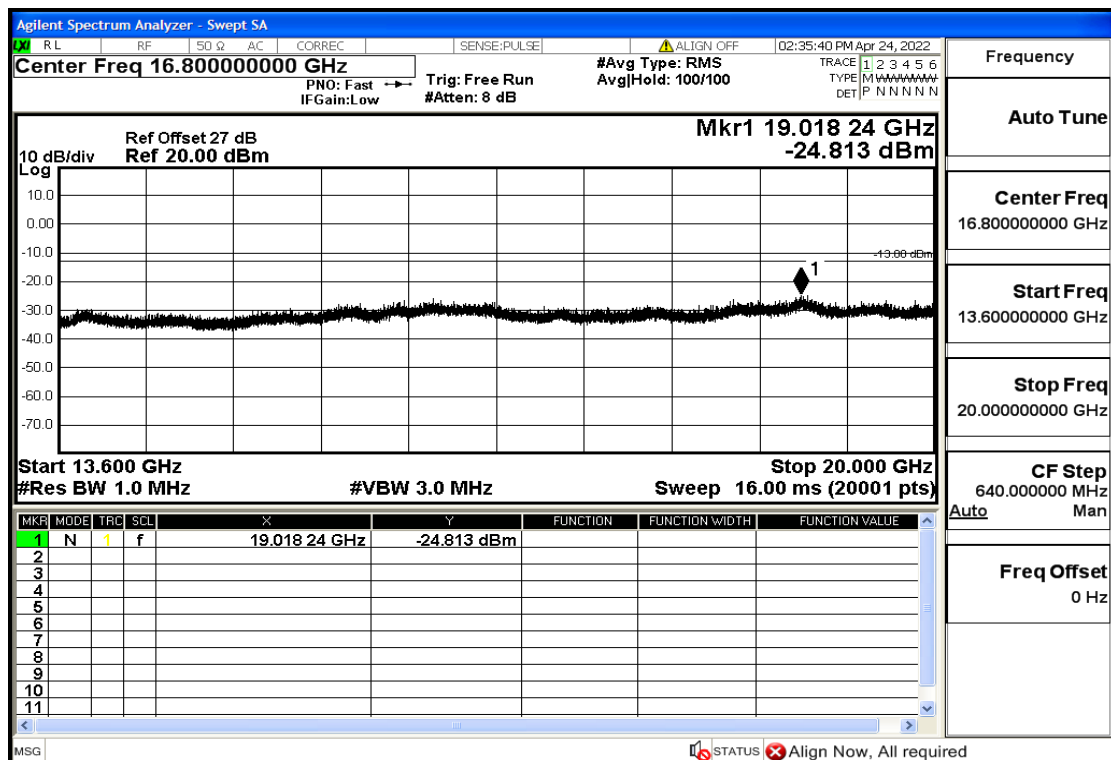
OB4-15-1747.5-Q16-75#LOW@1GHz-7GHz@Pass



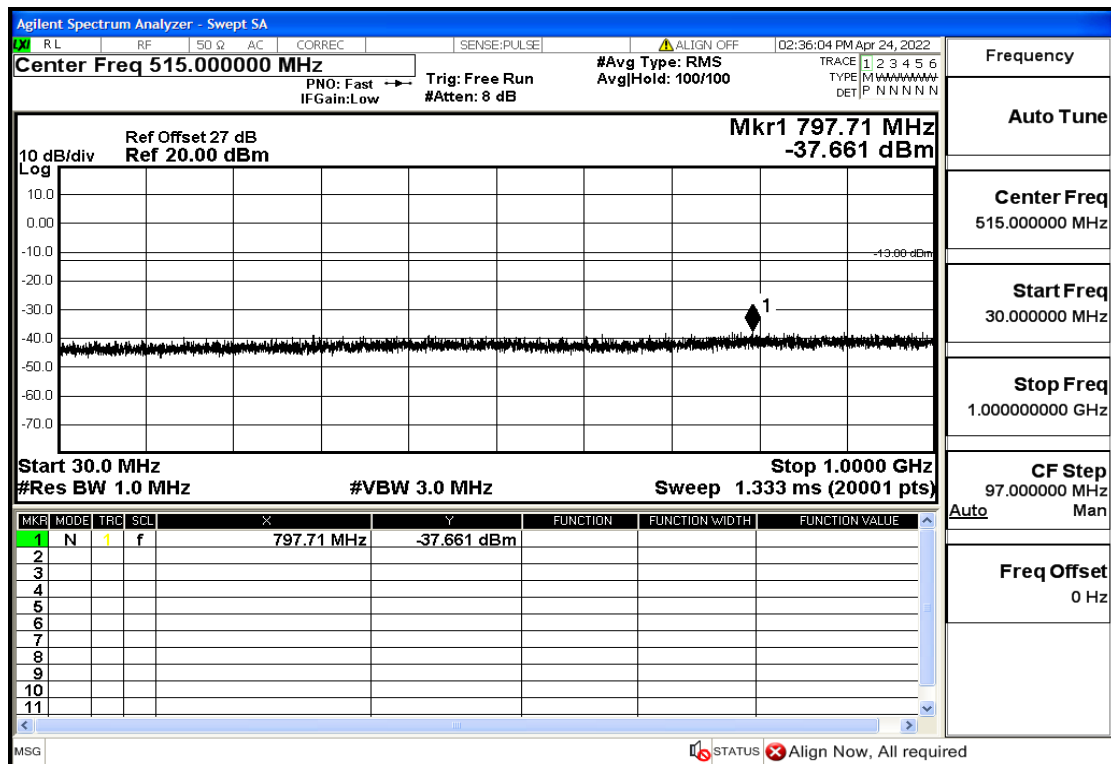
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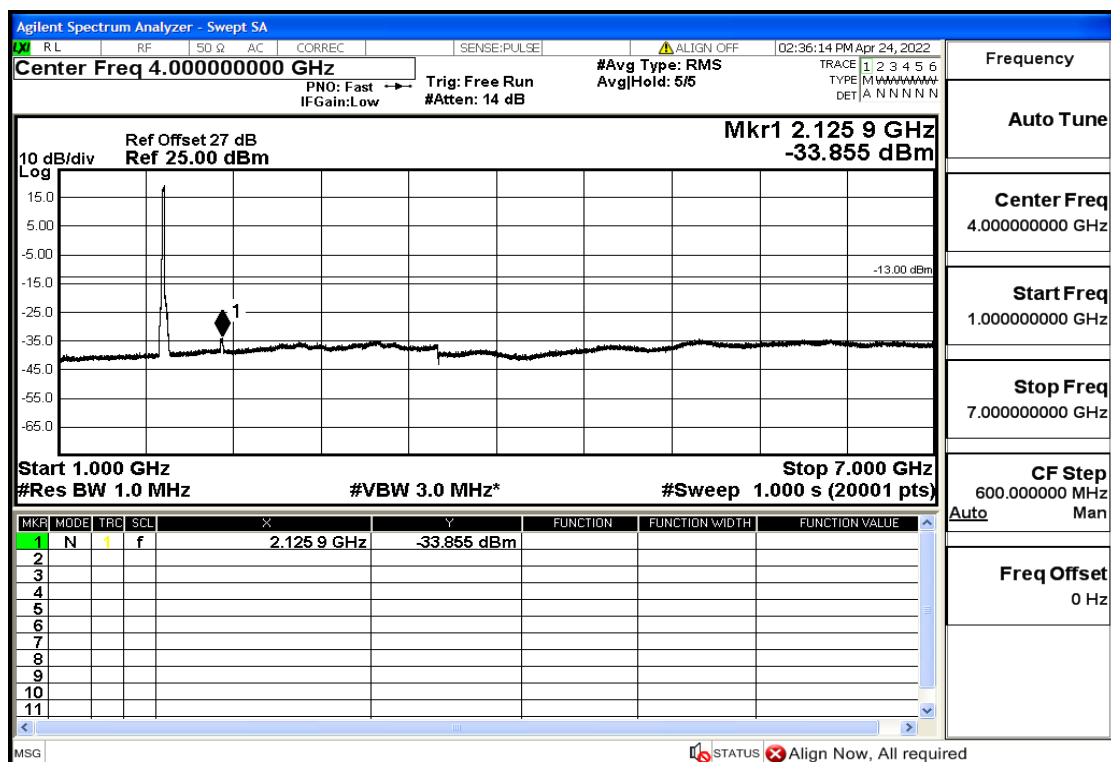
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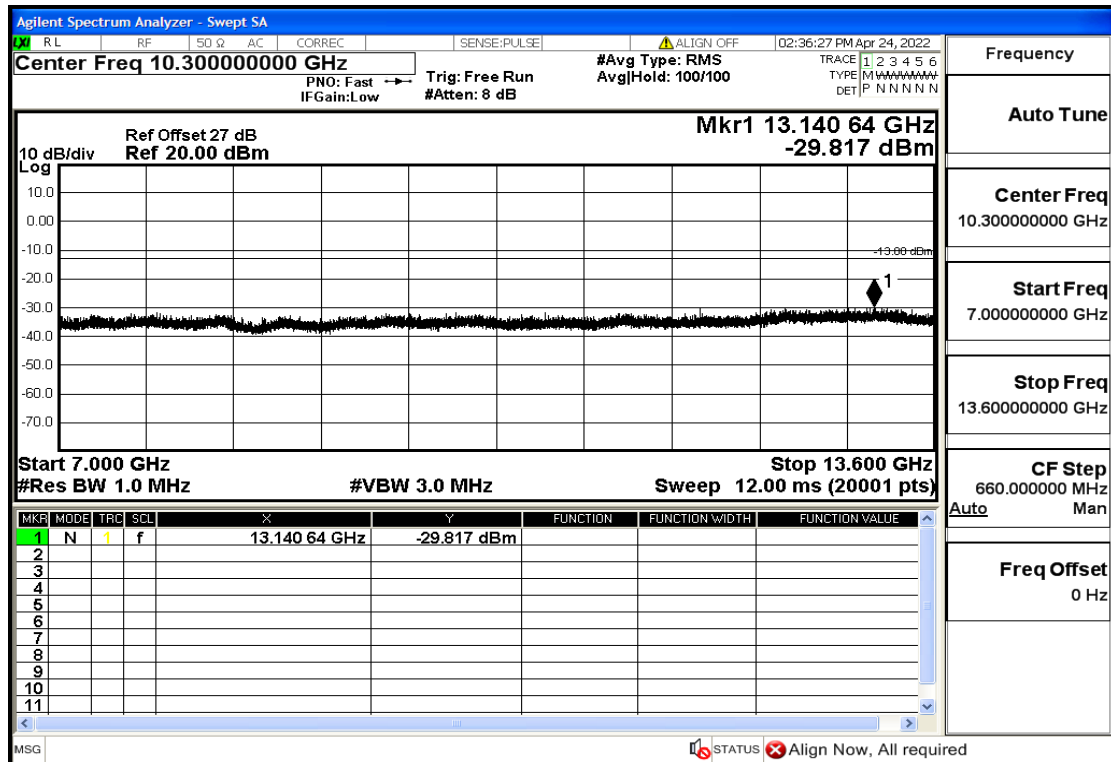
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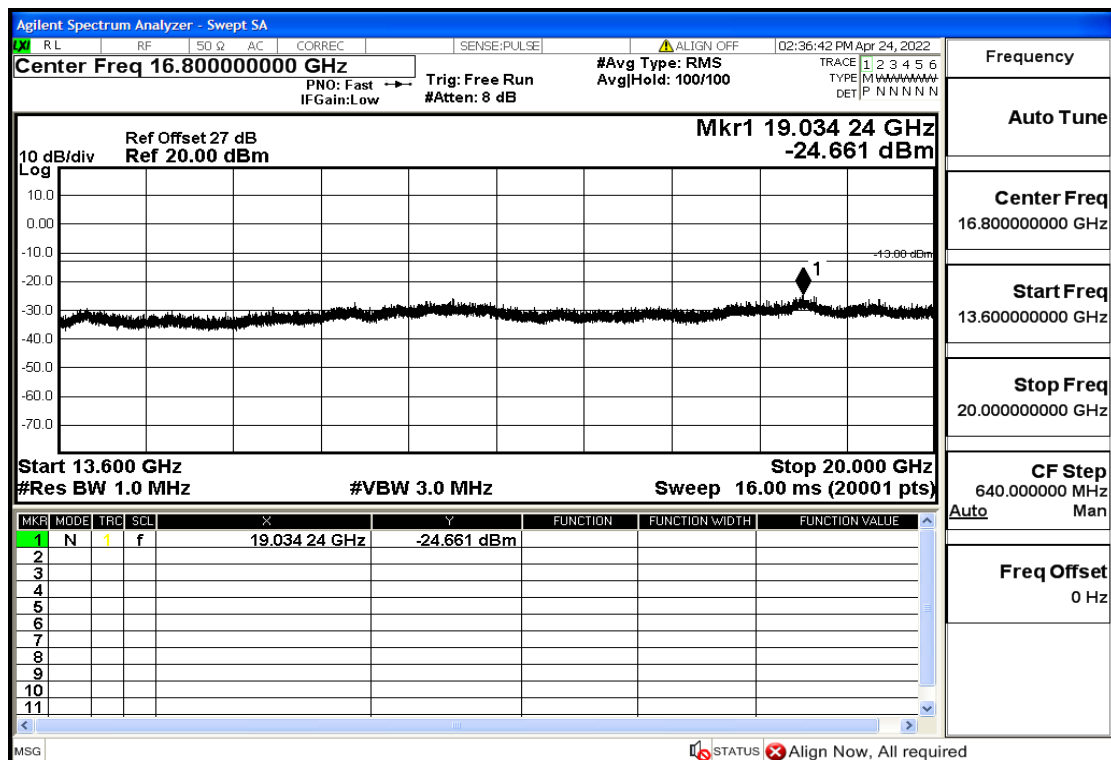
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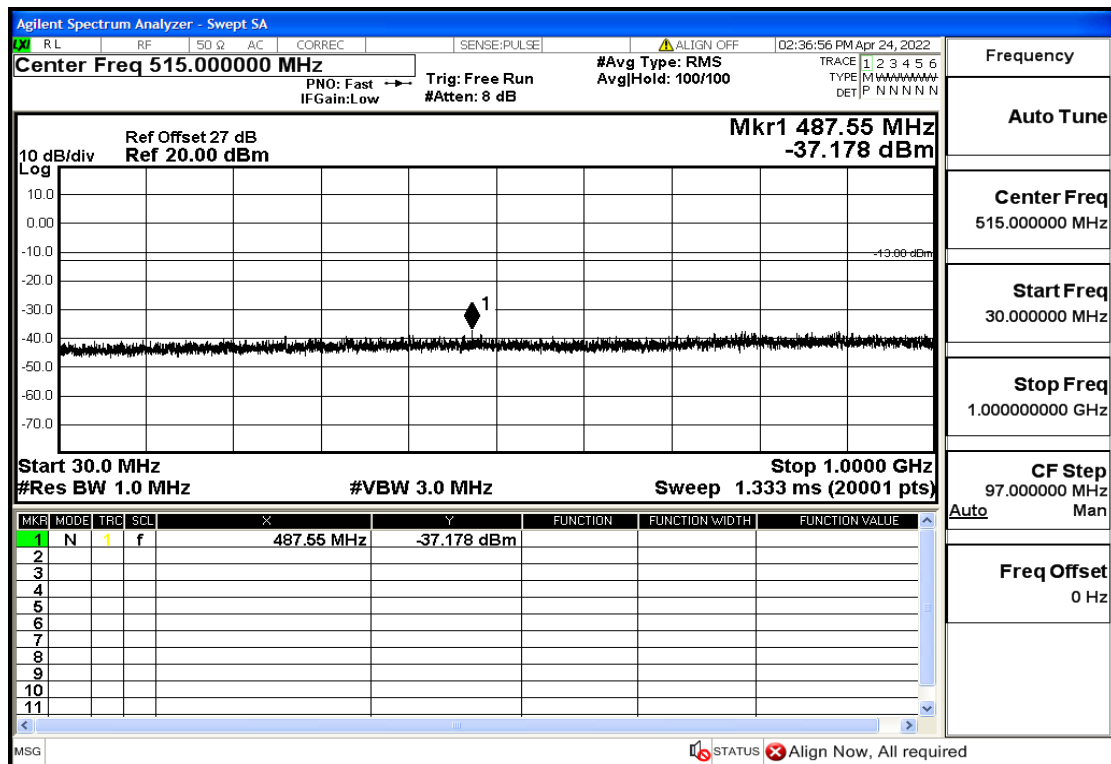
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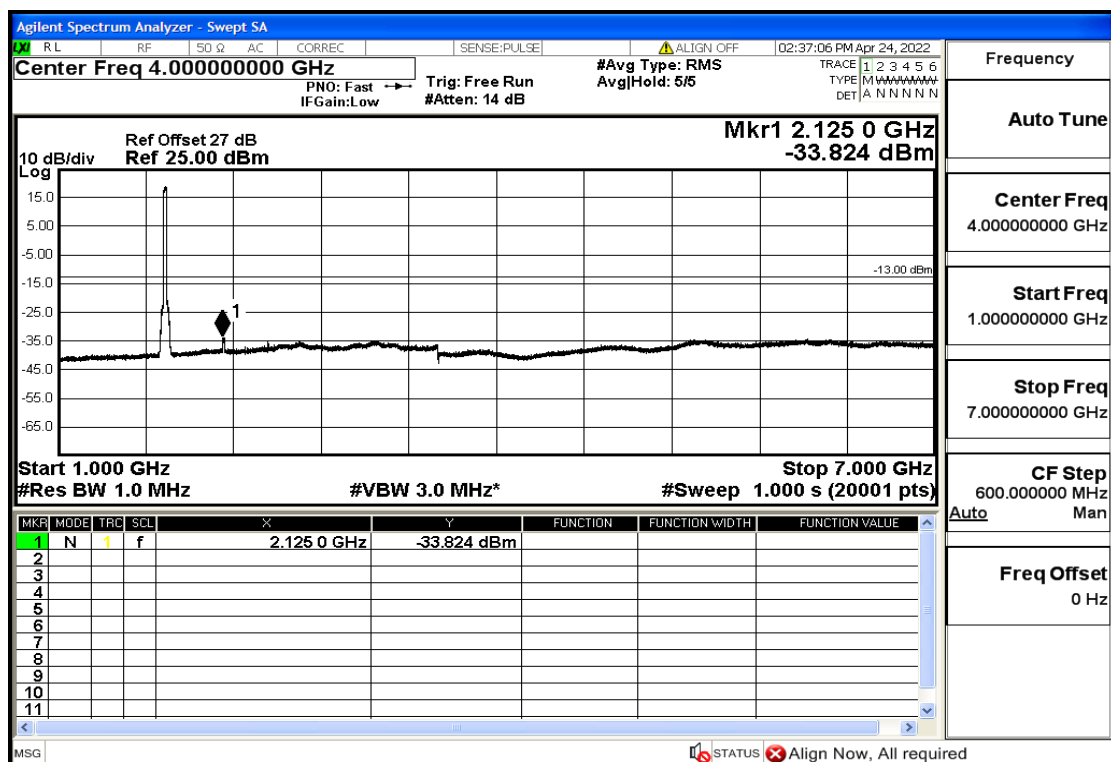
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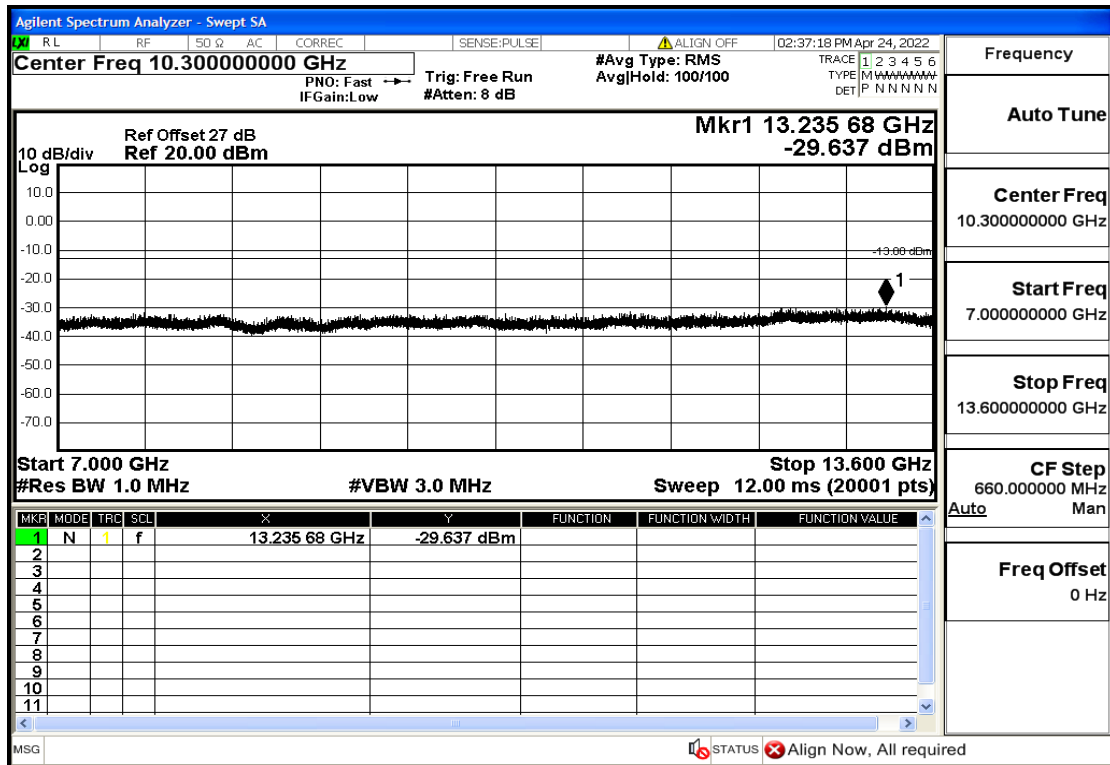
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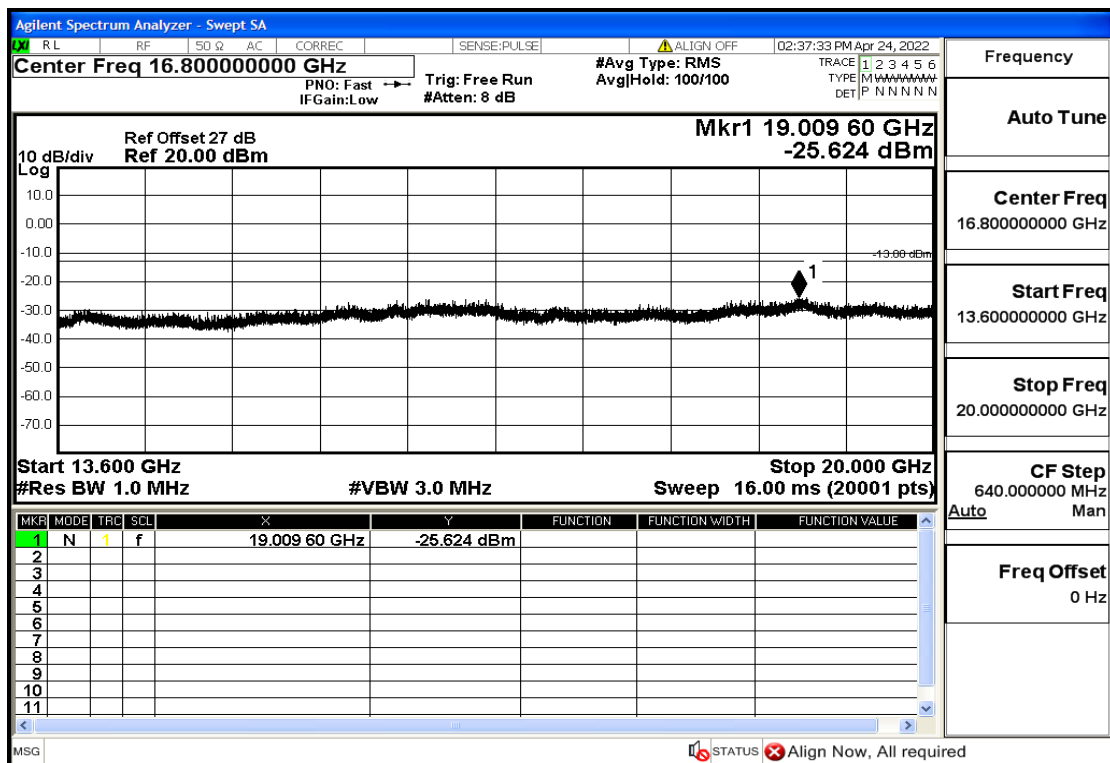
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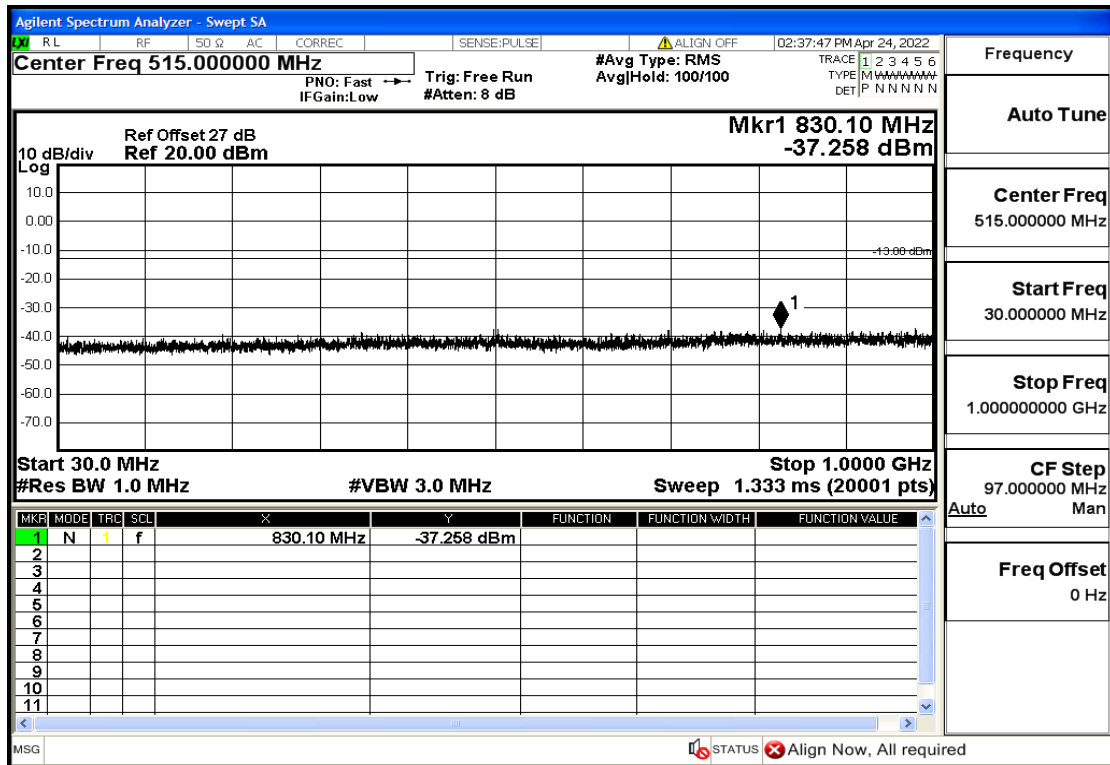
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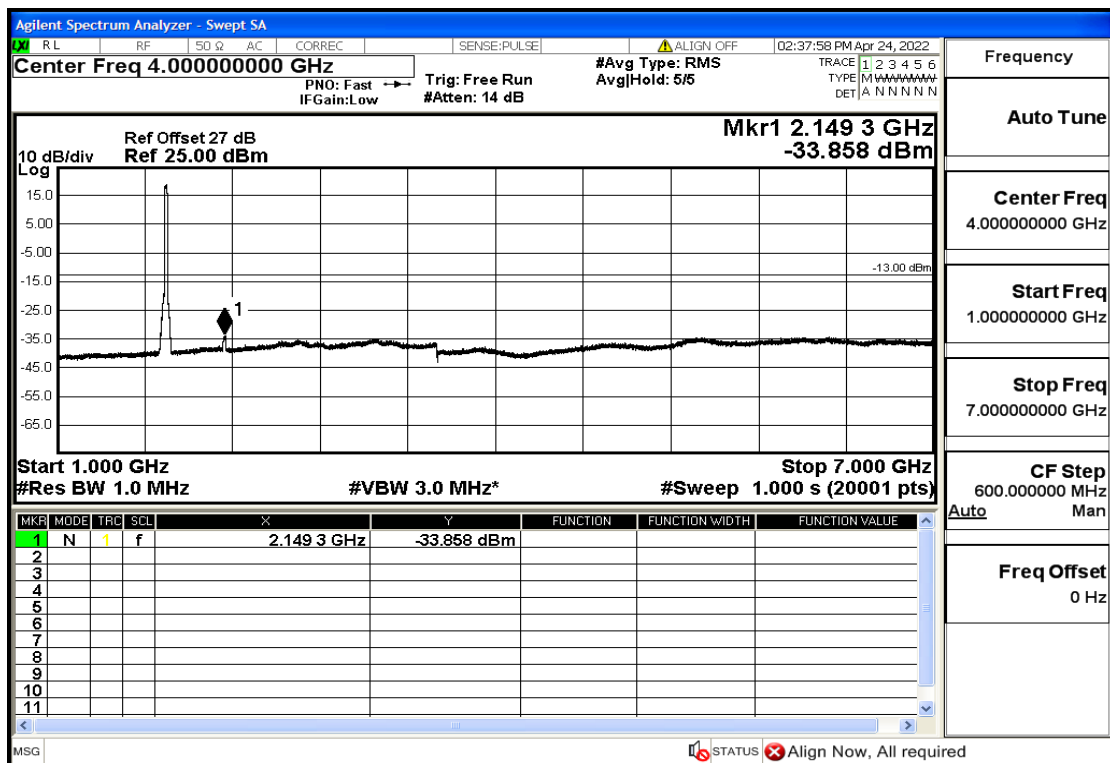
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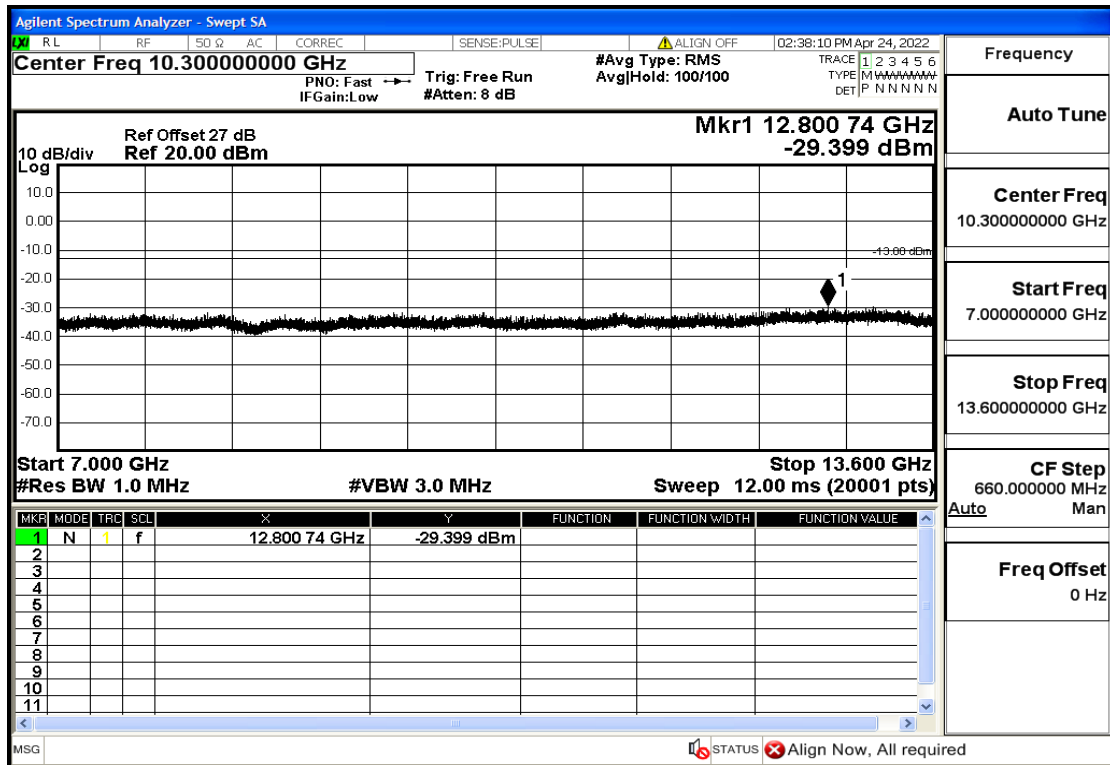
OB4-20-1745-Q16-100#LOW@30mHz-1GHz@Pass



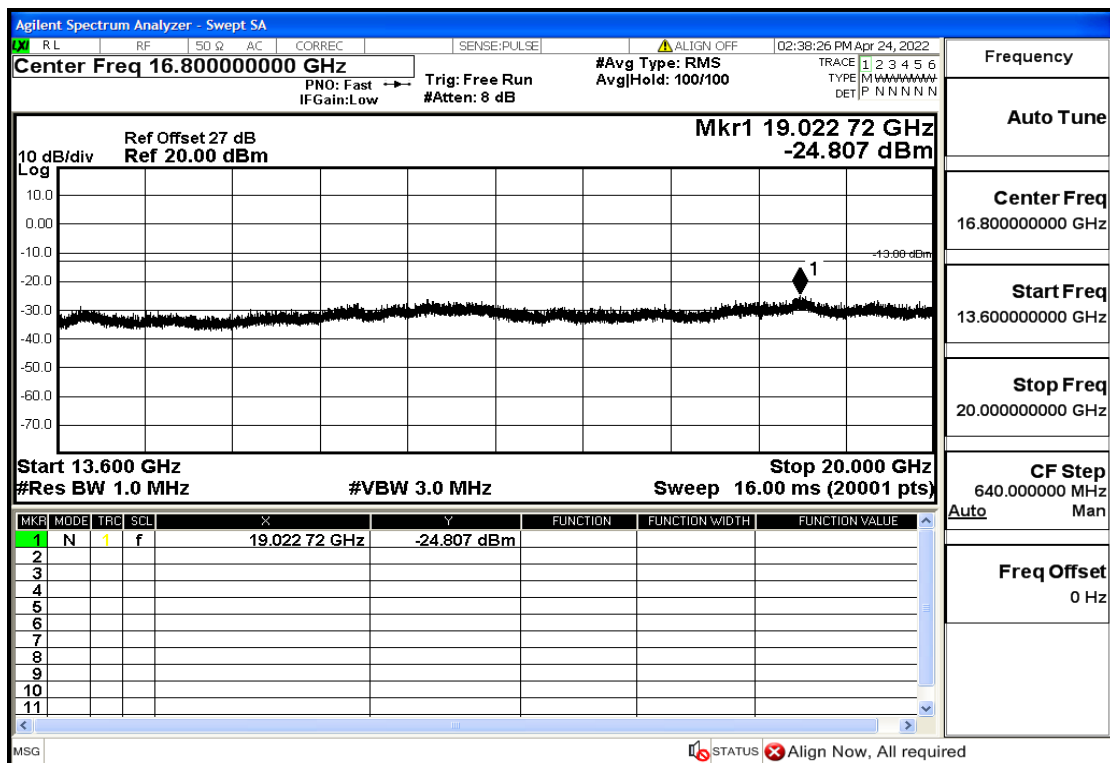
OB4-20-1745-Q16-100#LOW@1GHz-7GHz@Pass



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



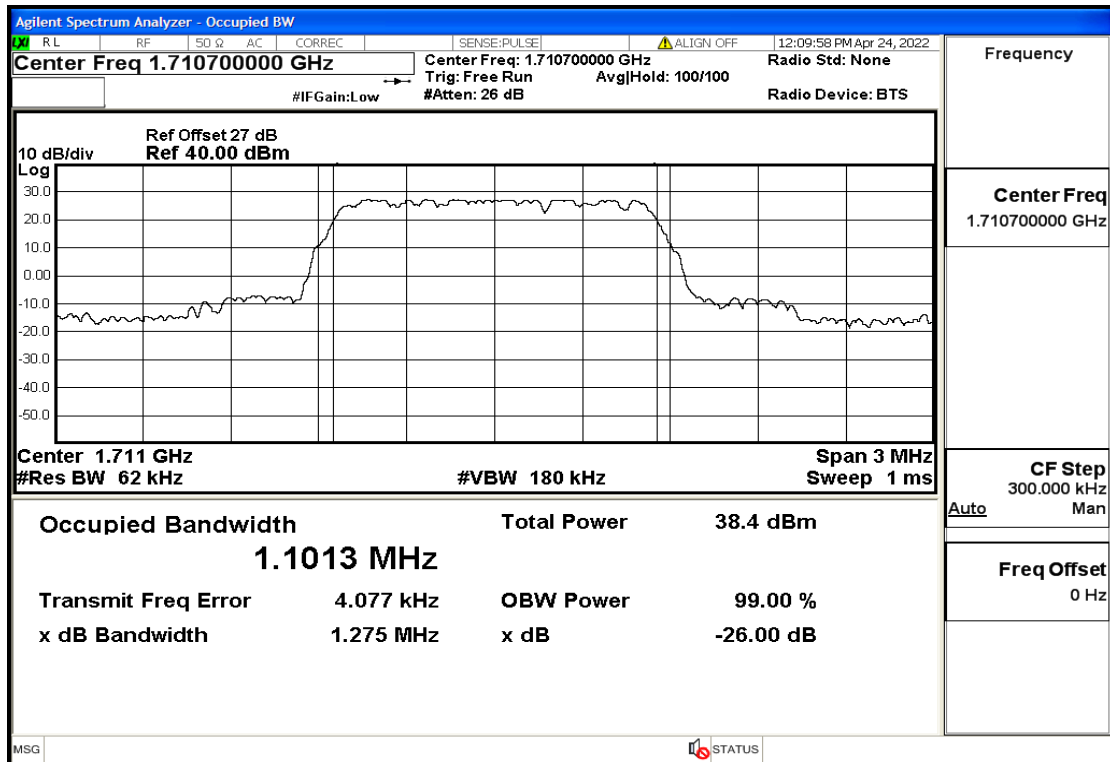
OB4-20-1745-Q16-100#LOW@13.6GHz-20GHz@Pass



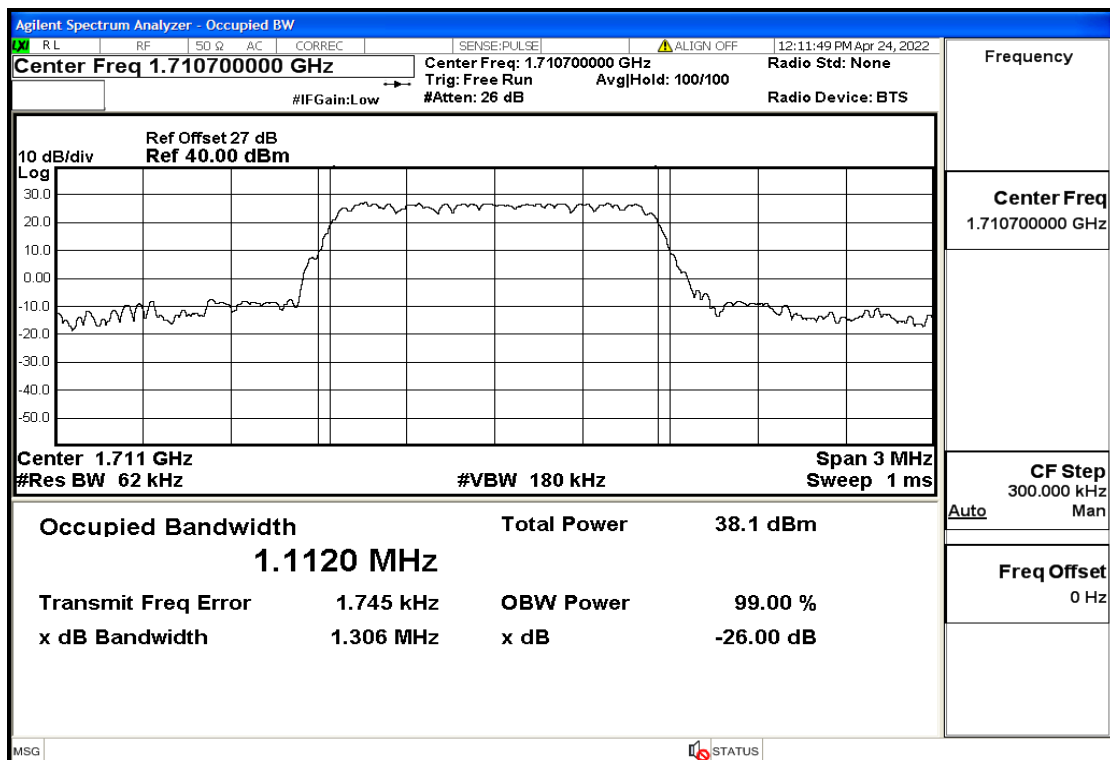
Emission bandwidth and OBW

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	1101.3	1275	No limit
Band4	1.4	1710.7	16QAM	6	LOW	1112	1306	No limit
Band4	1.4	1732.5	QPSK	6	LOW	1108.2	1293	No limit
Band4	1.4	1732.5	16QAM	6	LOW	1116.3	1291	No limit
Band4	1.4	1754.3	QPSK	6	LOW	1118.5	1271	No limit
Band4	1.4	1754.3	16QAM	6	LOW	1112.7	1283	No limit
Band4	3	1711.5	QPSK	15	LOW	1876.5	1400	No limit
Band4	3	1711.5	16QAM	15	LOW	2743.3	3106	No limit
Band4	3	1732.5	QPSK	15	LOW	2752.7	3115	No limit
Band4	3	1732.5	16QAM	15	LOW	2746.9	3089	No limit
Band4	3	1753.5	QPSK	15	LOW	2747.3	3032	No limit
Band4	3	1753.5	16QAM	15	LOW	2758.8	3100	No limit
Band4	5	1712.5	QPSK	25	LOW	4559.7	5073	No limit
Band4	5	1712.5	16QAM	25	LOW	4580.5	5087	No limit
Band4	5	1732.5	QPSK	25	LOW	4574.1	5038	No limit
Band4	5	1732.5	16QAM	25	LOW	4597.9	5045	No limit
Band4	5	1752.5	QPSK	25	LOW	4569	5056	No limit
Band4	5	1752.5	16QAM	25	LOW	4592.7	5086	No limit
Band4	10	1715	QPSK	50	LOW	9079.8	9964	No limit
Band4	10	1715	16QAM	50	LOW	9090.7	10190	No limit
Band4	10	1732.5	QPSK	50	LOW	9077.5	10060	No limit
Band4	10	1732.5	16QAM	50	LOW	9062.4	9716	No limit
Band4	10	1750	QPSK	50	LOW	9083.2	10060	No limit
Band4	10	1750	16QAM	50	LOW	9092	9962	No limit
Band4	15	1717.5	QPSK	75	LOW	13734	15220	No limit
Band4	15	1717.5	16QAM	75	LOW	13638	15150	No limit
Band4	15	1732.5	QPSK	75	LOW	13666	15240	No limit
Band4	15	1732.5	16QAM	75	LOW	13664	15290	No limit
Band4	15	1747.5	QPSK	75	LOW	13666	15180	No limit
Band4	15	1747.5	16QAM	75	LOW	13708	15060	No limit
Band4	20	1720	QPSK	100	LOW	18219	20120	No limit
Band4	20	1720	16QAM	100	LOW	18323	20140	No limit
Band4	20	1732.5	QPSK	100	LOW	18243	20010	No limit
Band4	20	1732.5	16QAM	100	LOW	18199	20150	No limit
Band4	20	1745	QPSK	100	LOW	18272	20270	No limit
Band4	20	1745	16QAM	100	LOW	18311	20210	No limit

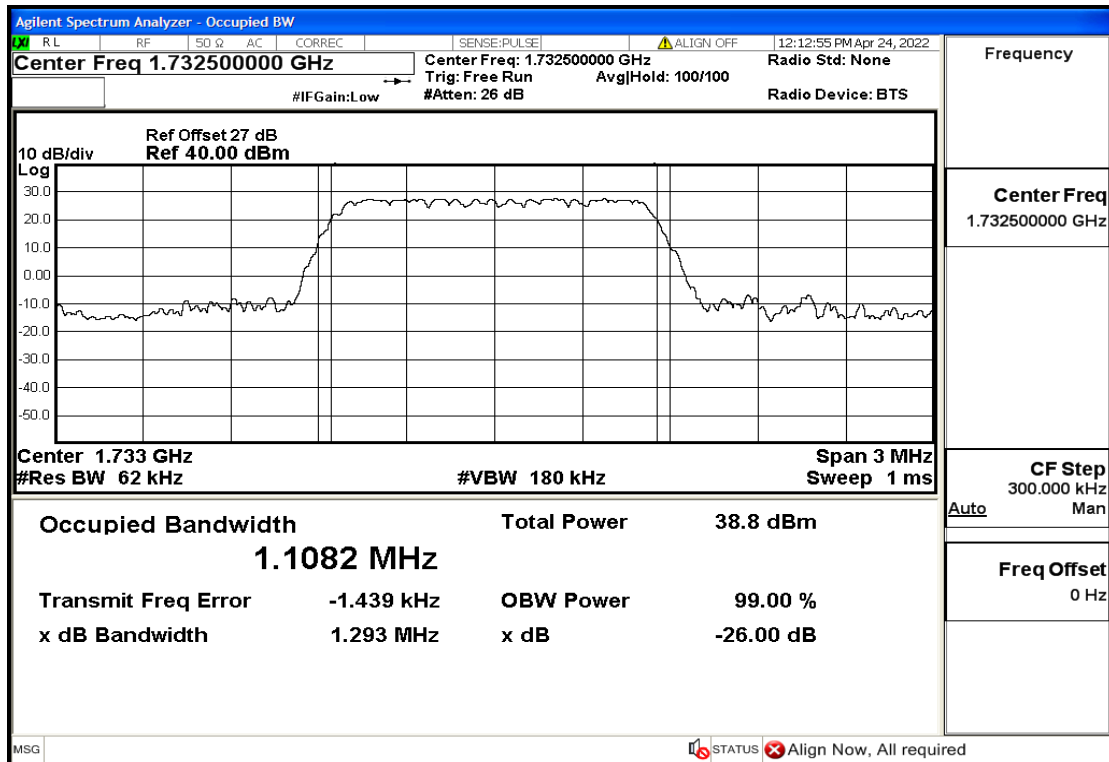
Band4-1.4-1710.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



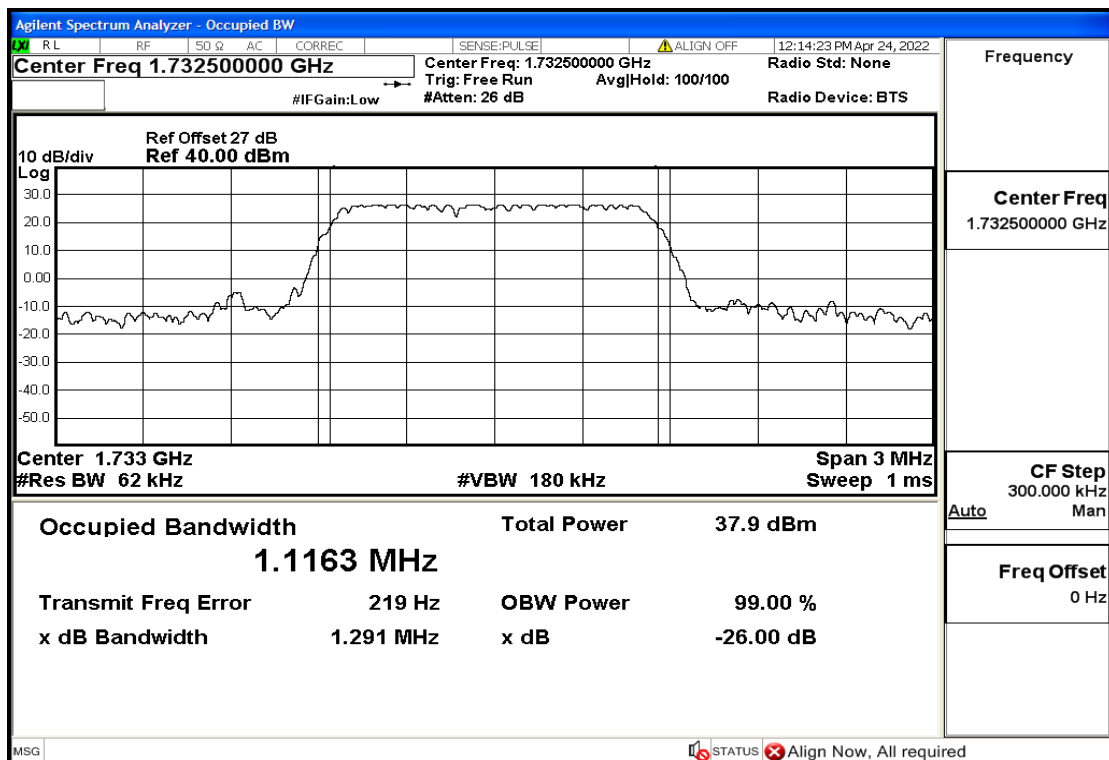
Band4-1.4-1710.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



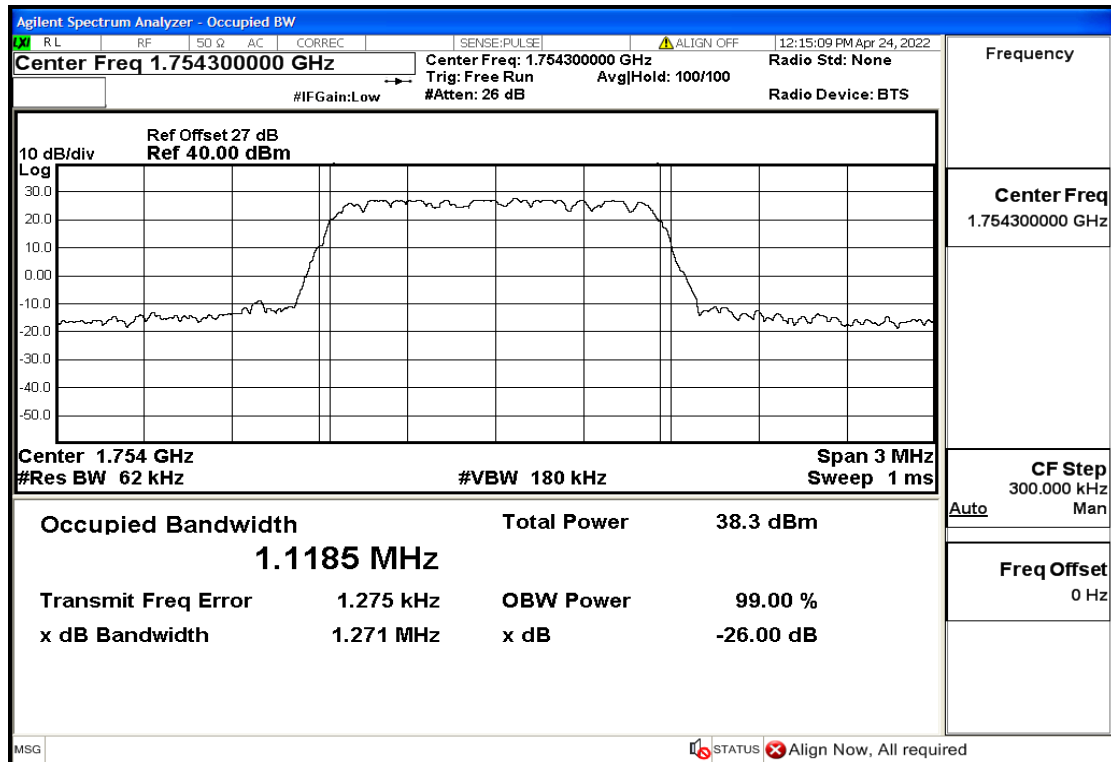
Band4-1.4-1732.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



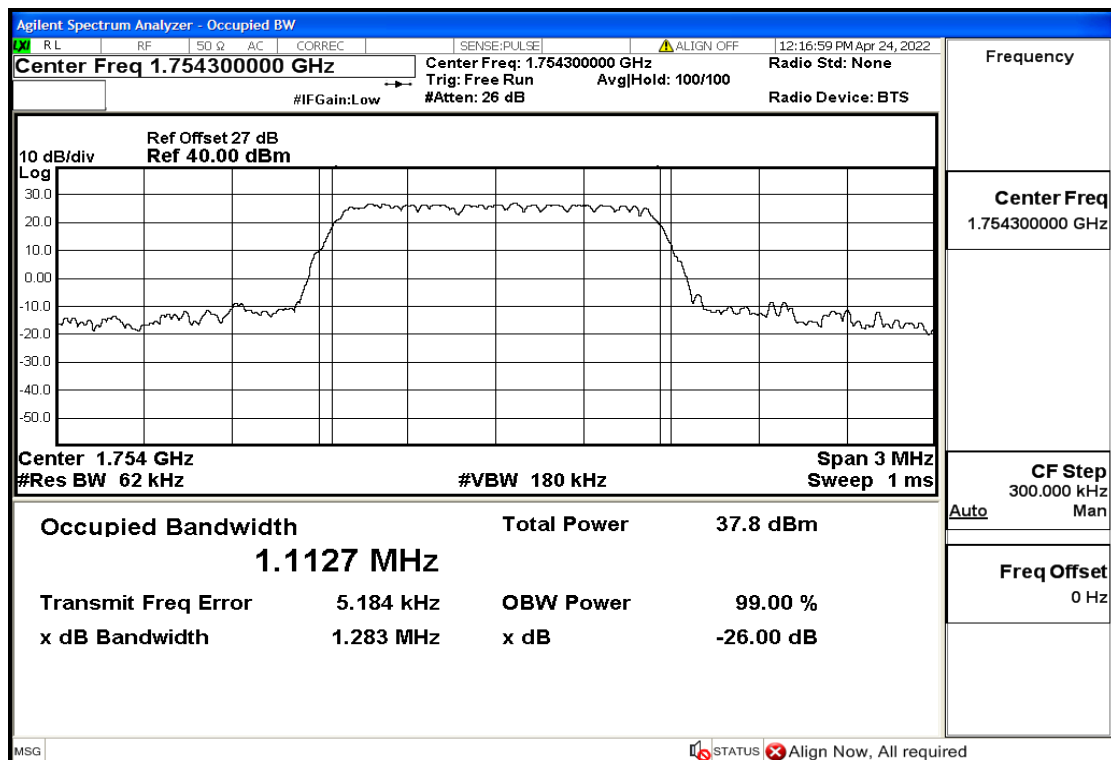
Band4-1.4-1732.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



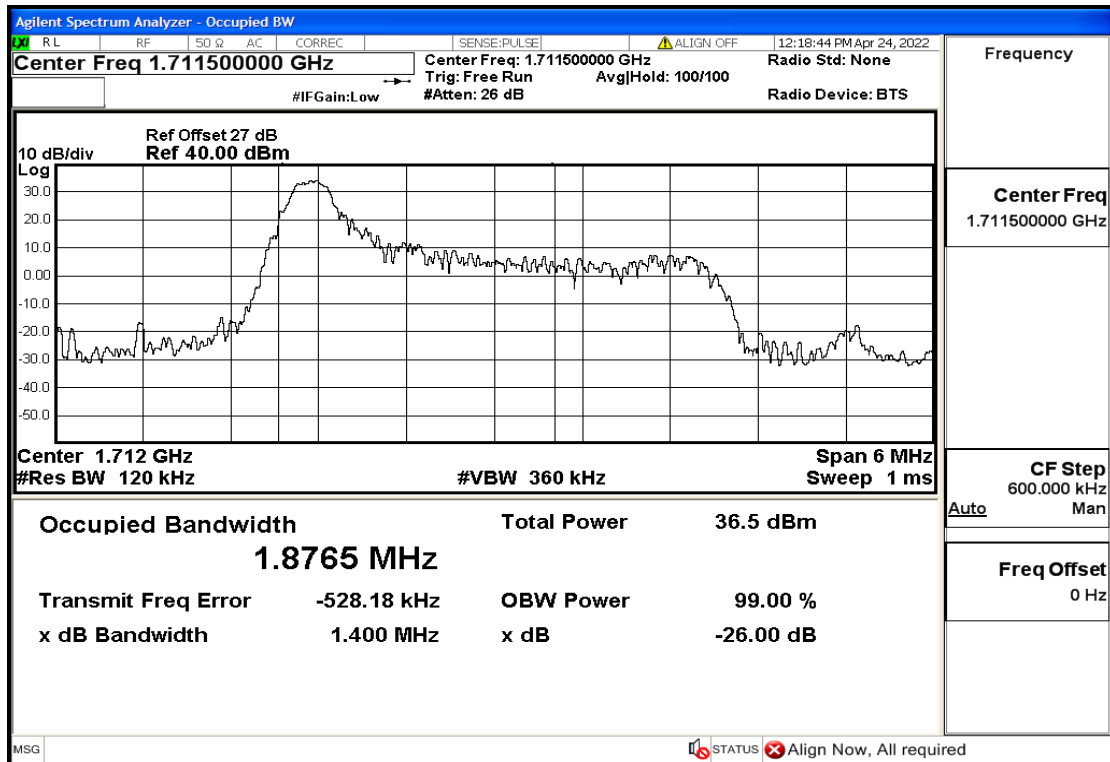
Band4-1.4-1754.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



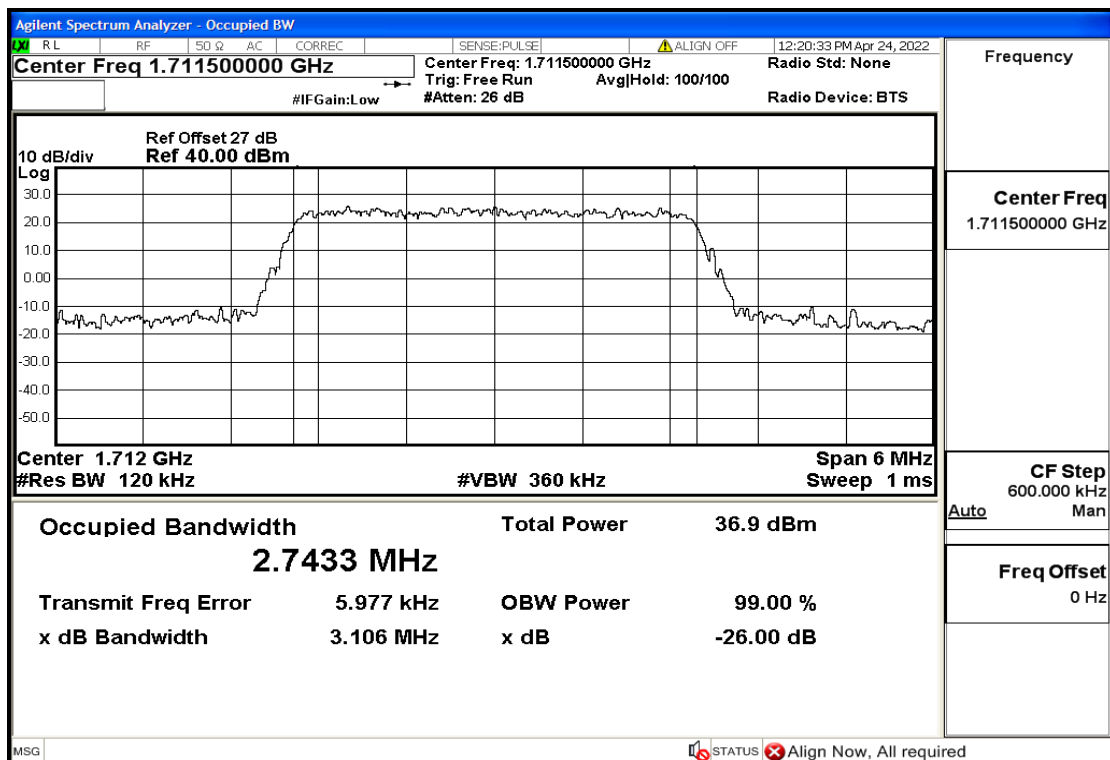
Band4-1.4-1754.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



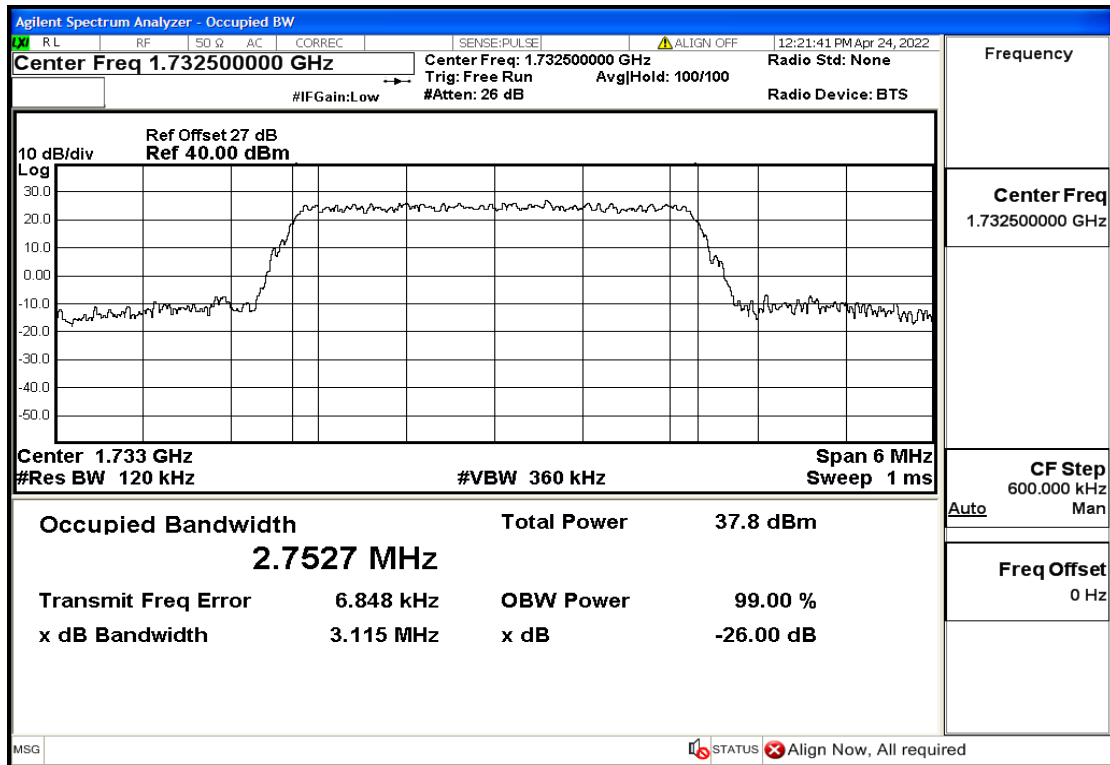
Band4-3-1711.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



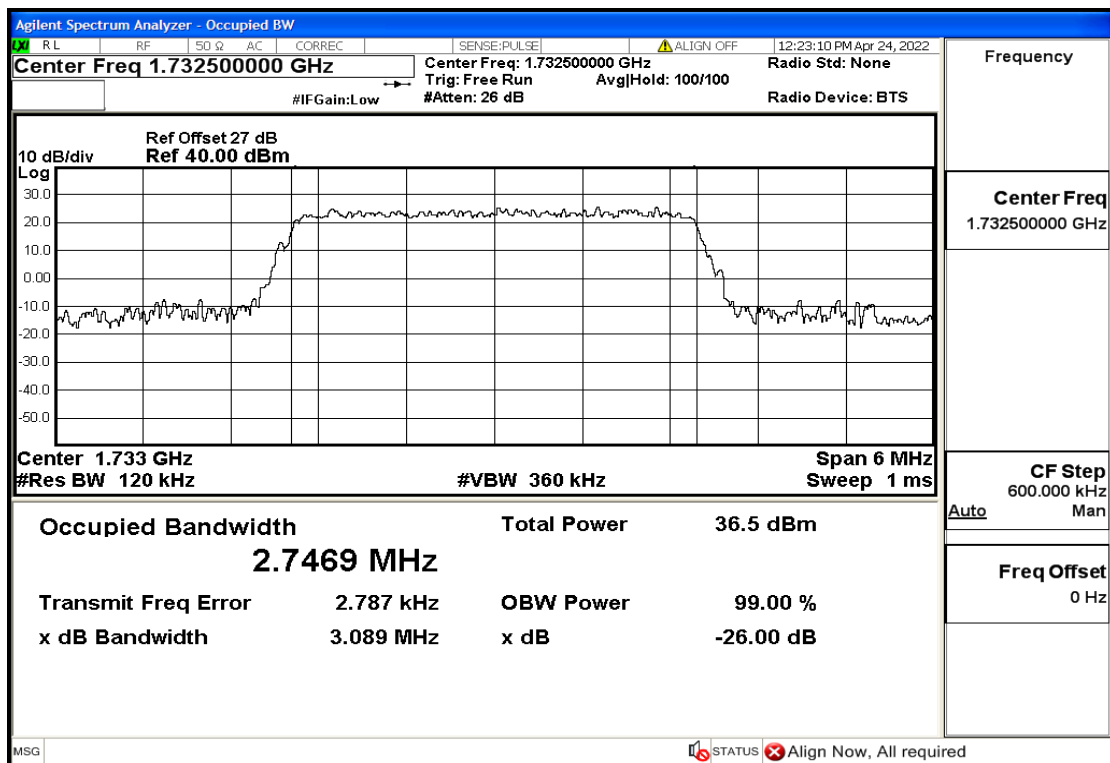
Band4-3-1711.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



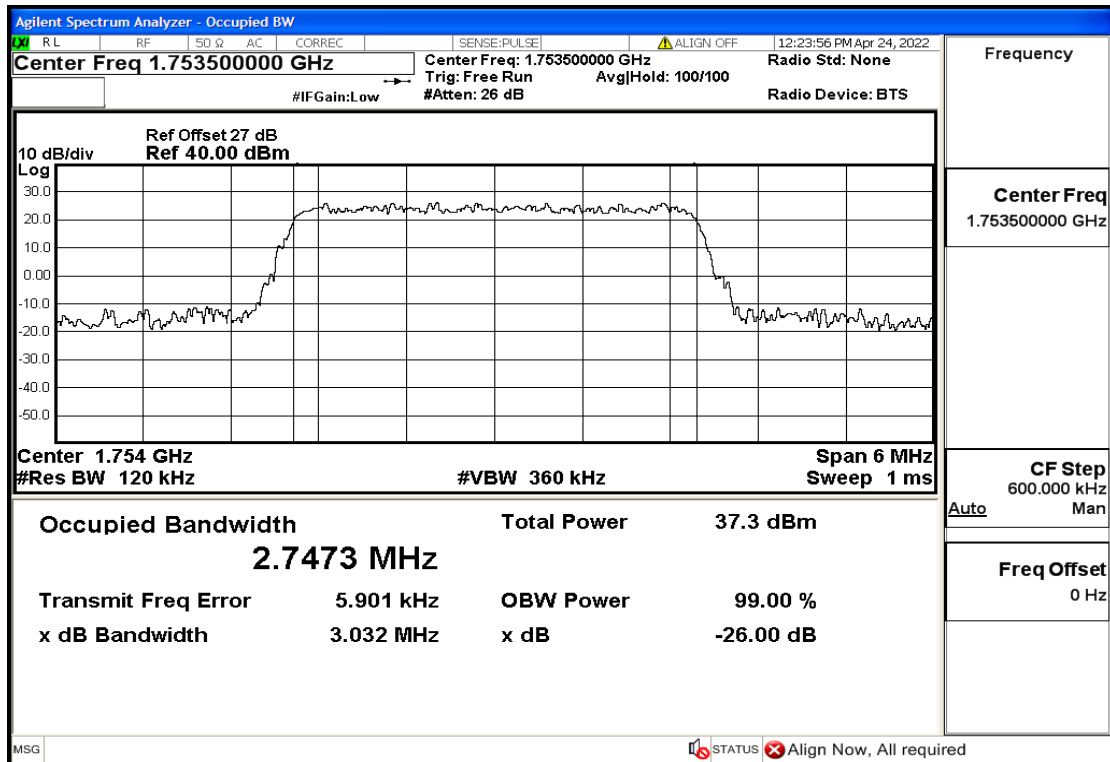
Band4-3-1732.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



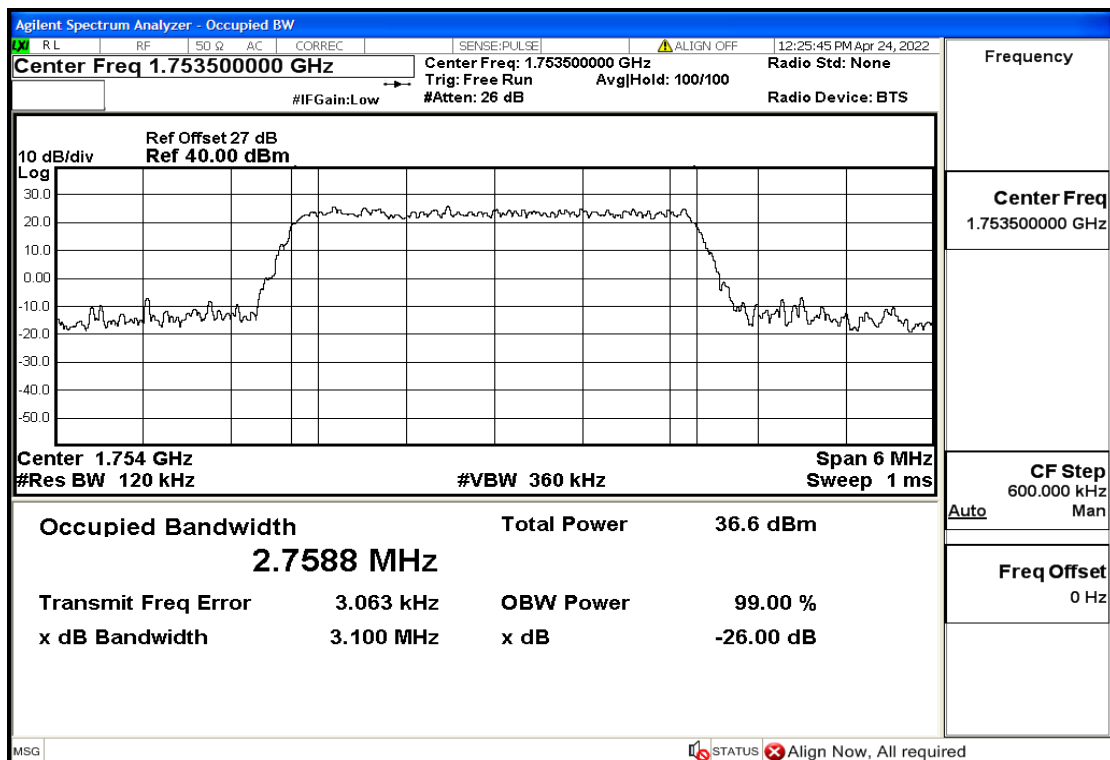
Band4-3-1732.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



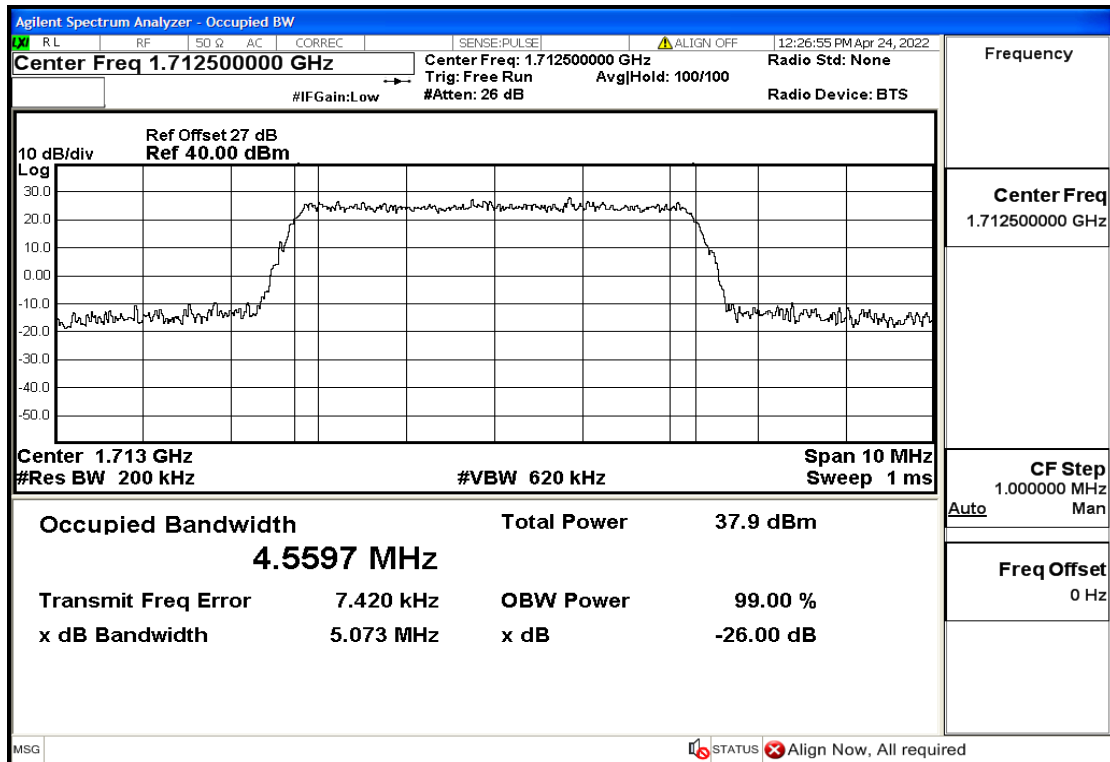
Band4-3-1753.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



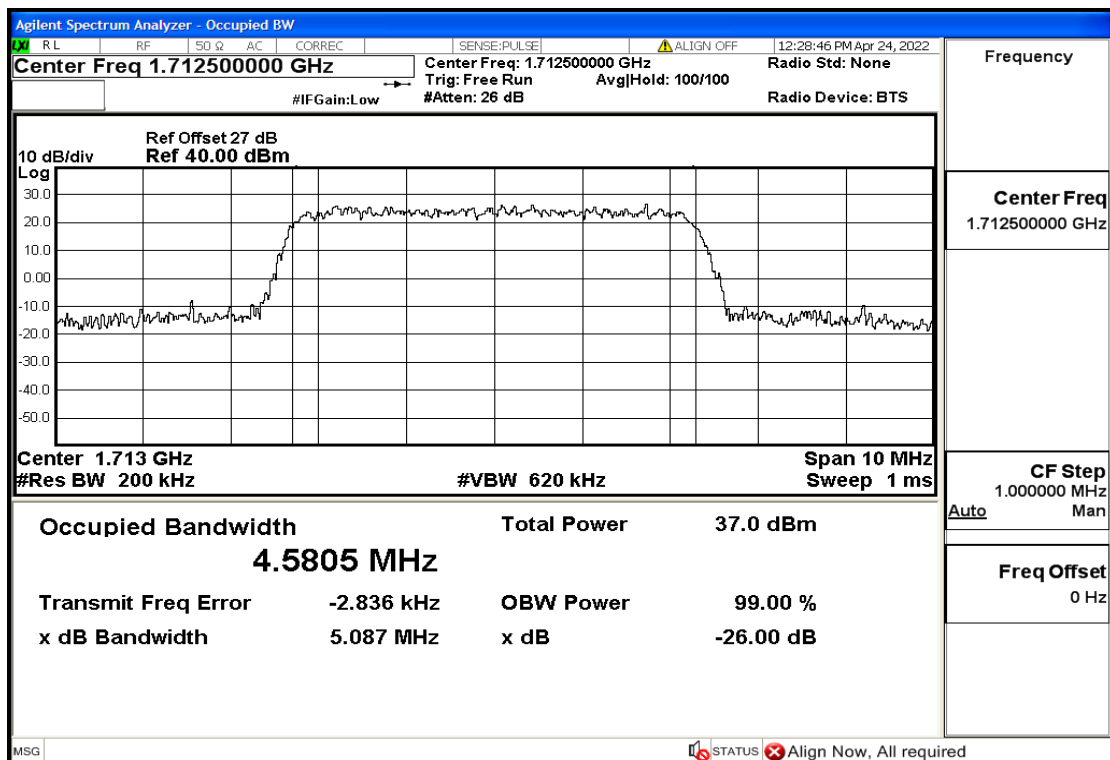
Band4-3-1753.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



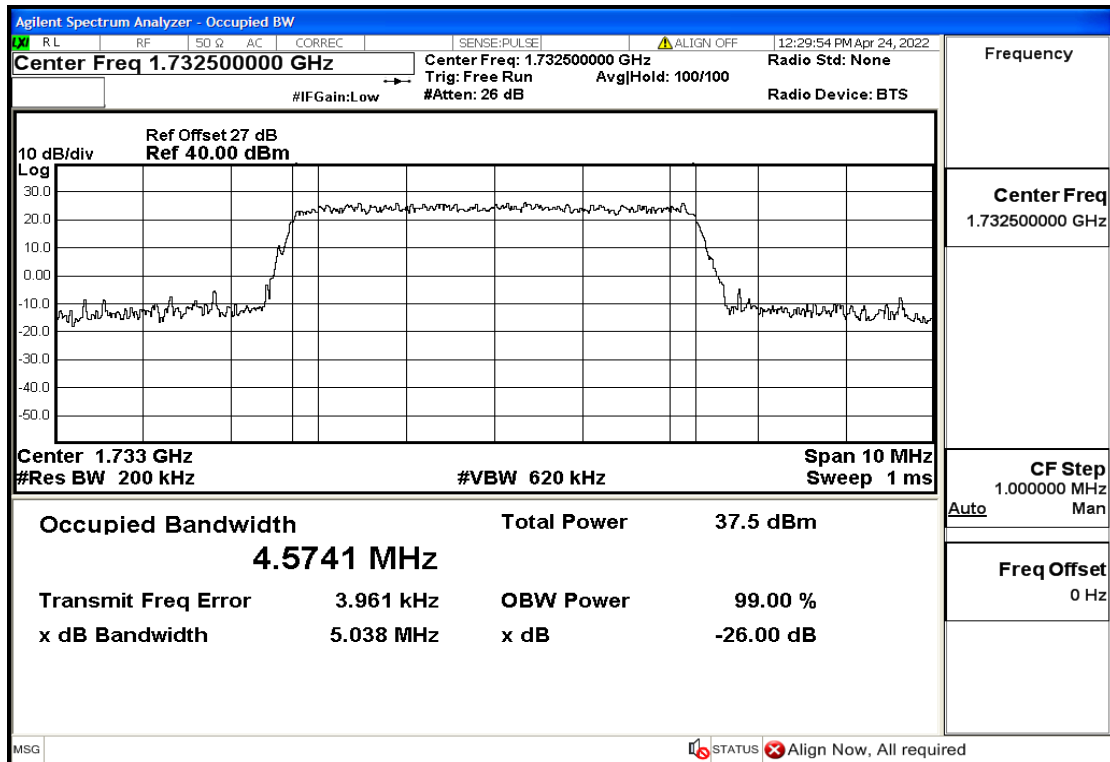
Band4-5-1712.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



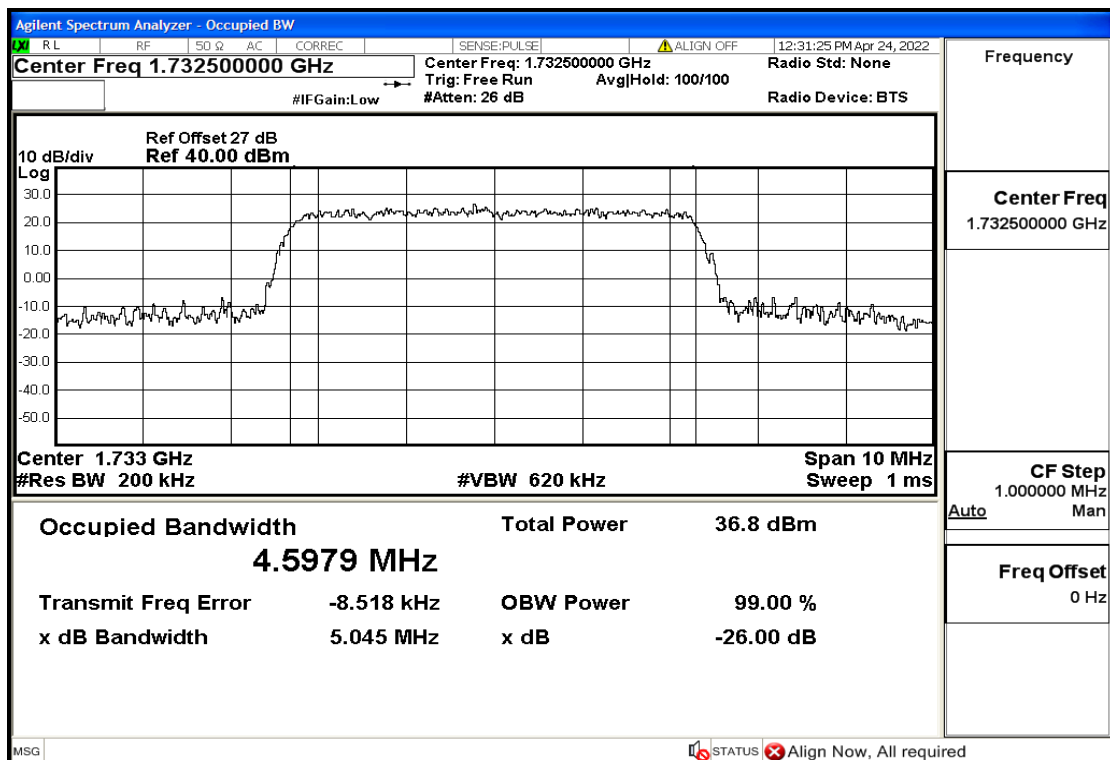
Band4-5-1712.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



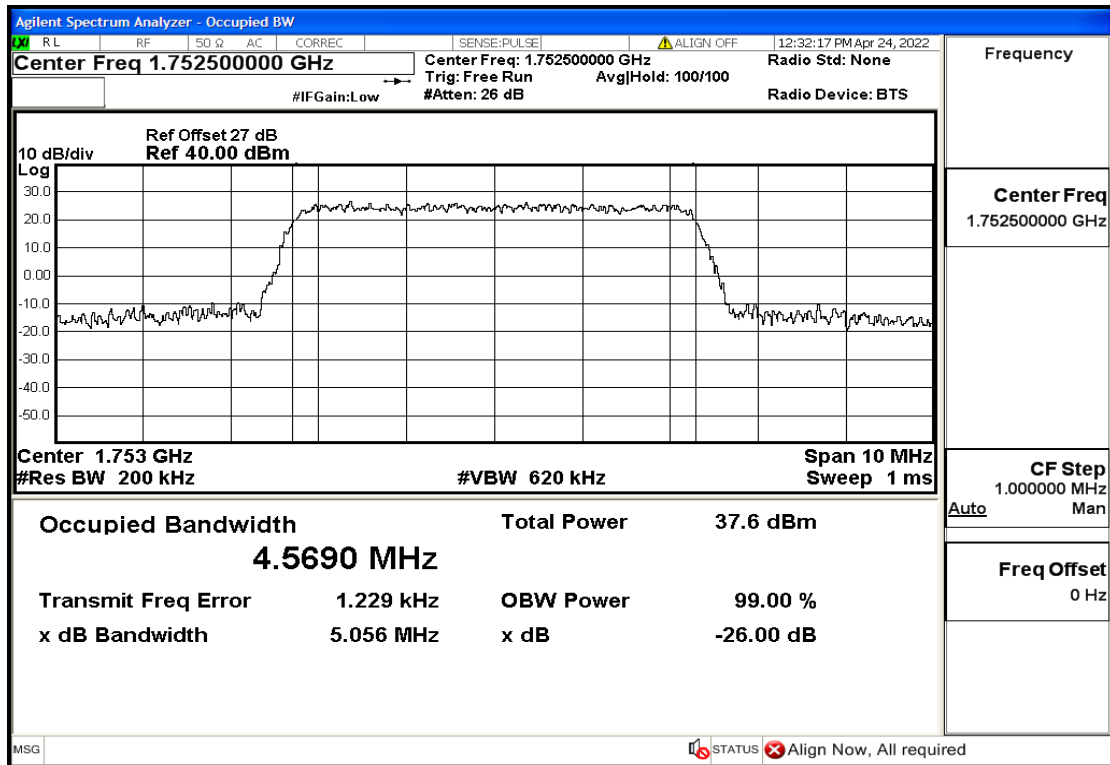
Band4-5-1732.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



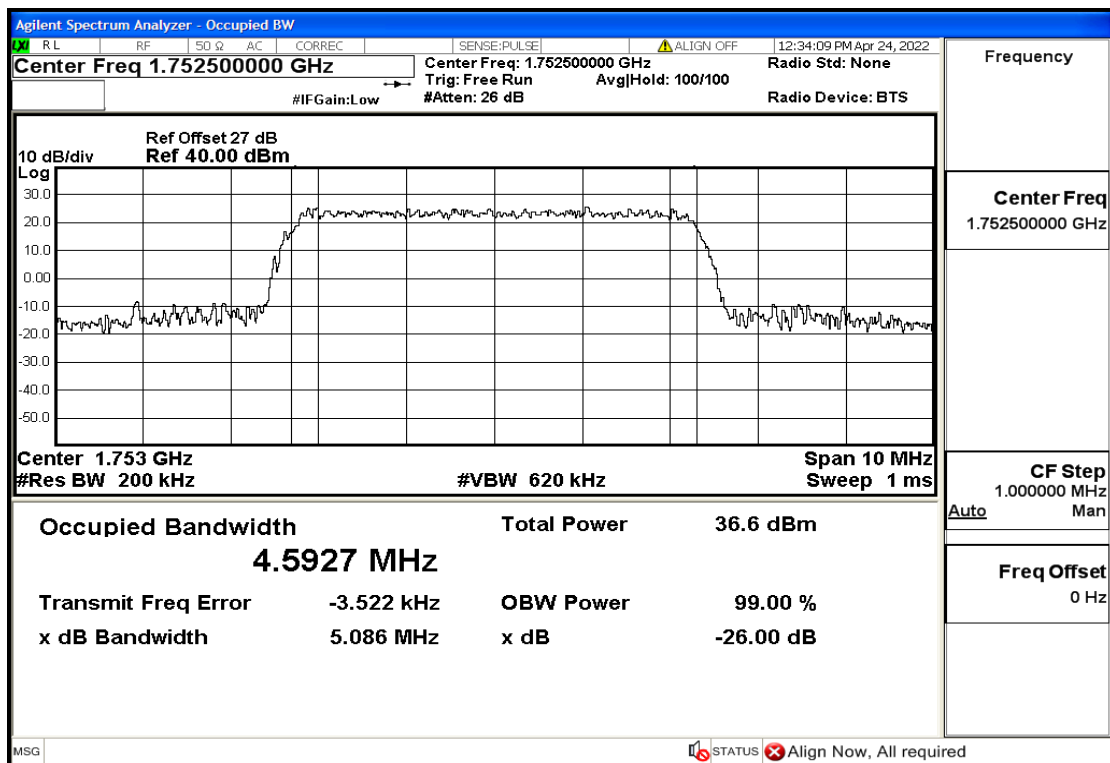
Band4-5-1732.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



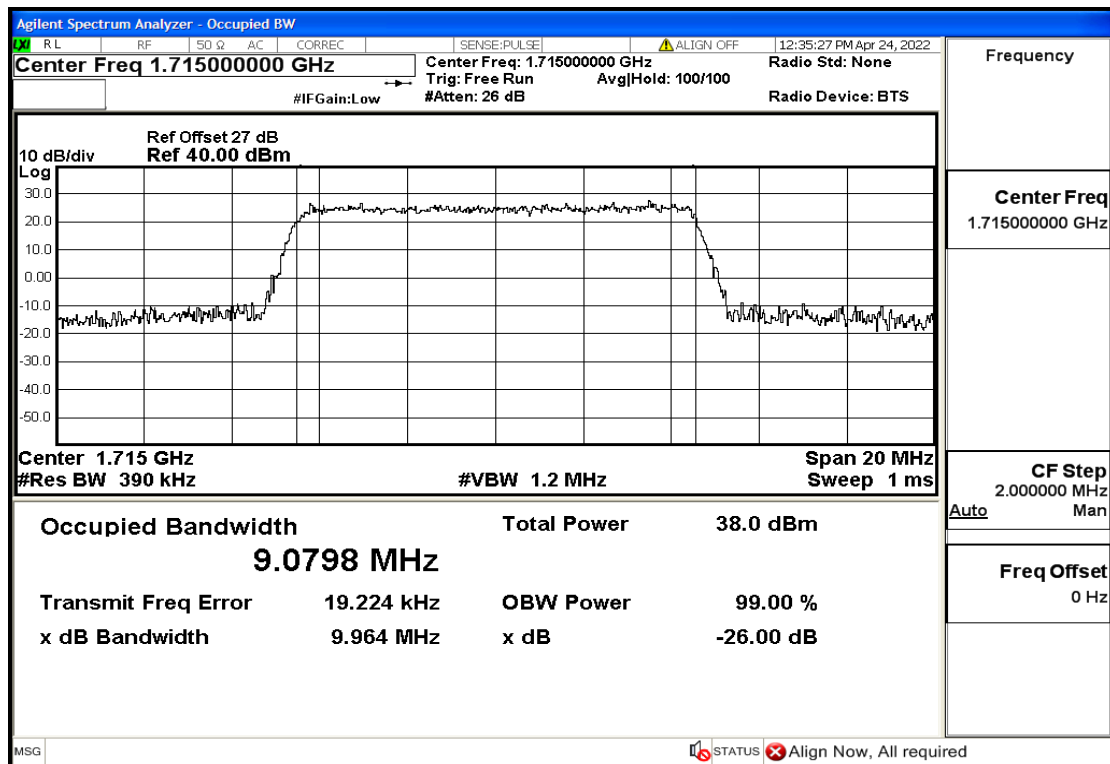
Band4-5-1752.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



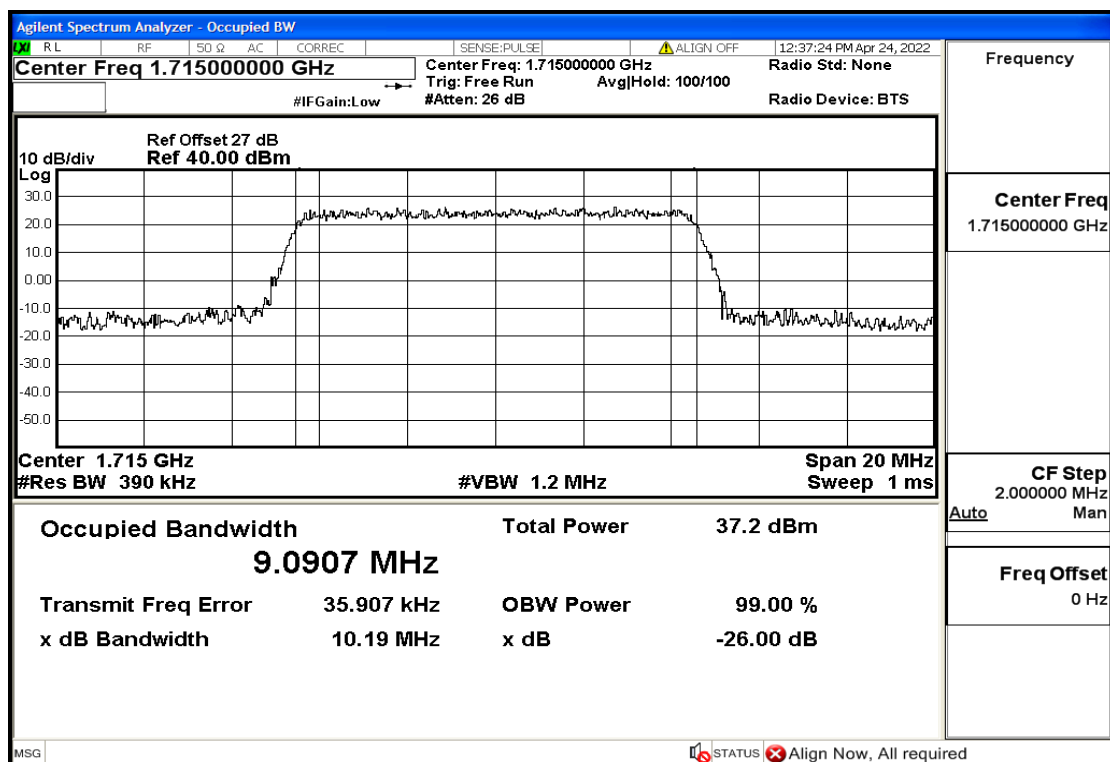
Band4-5-1752.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



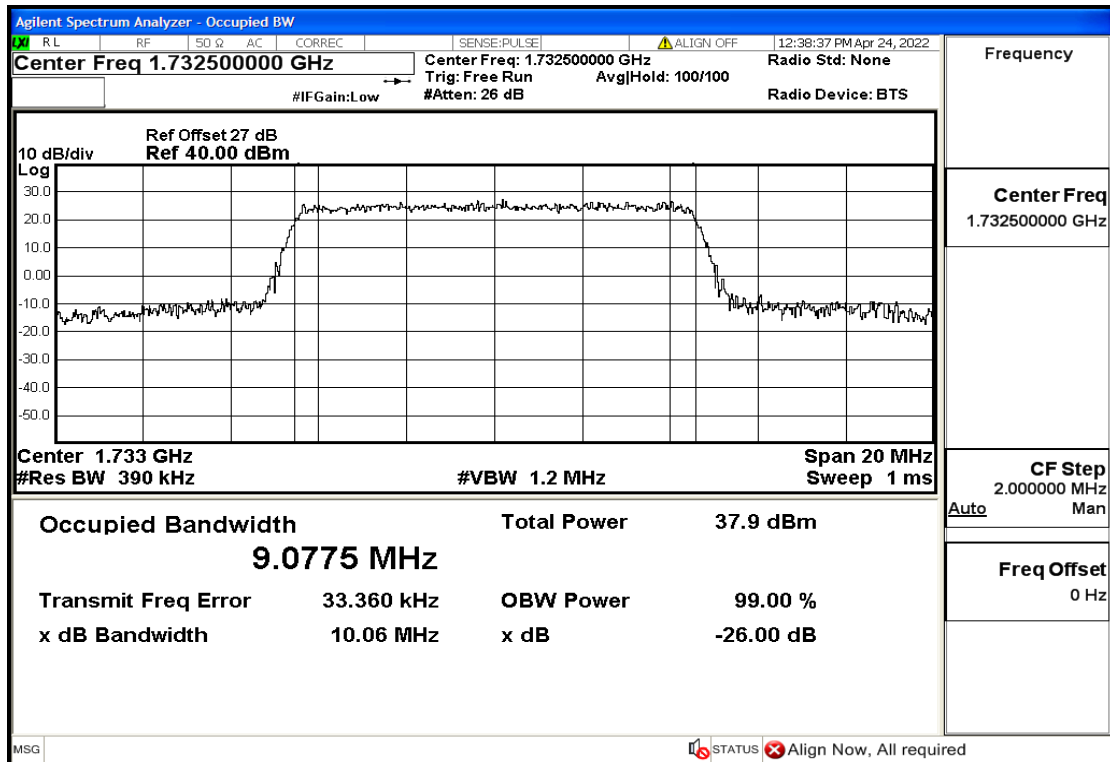
Band4-10-1715-QPSK-50#LOW@26dB and 99PCT Bandwidth



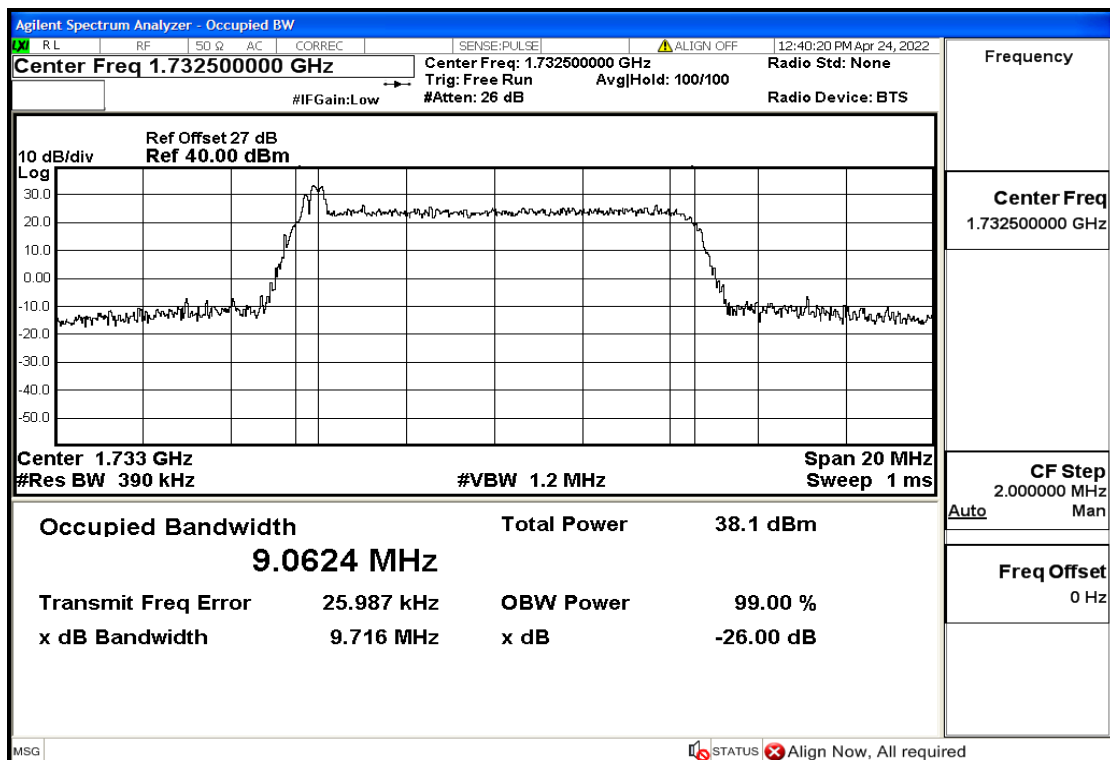
Band4-10-1715-16QAM-50#LOW@26dB and 99PCT Bandwidth



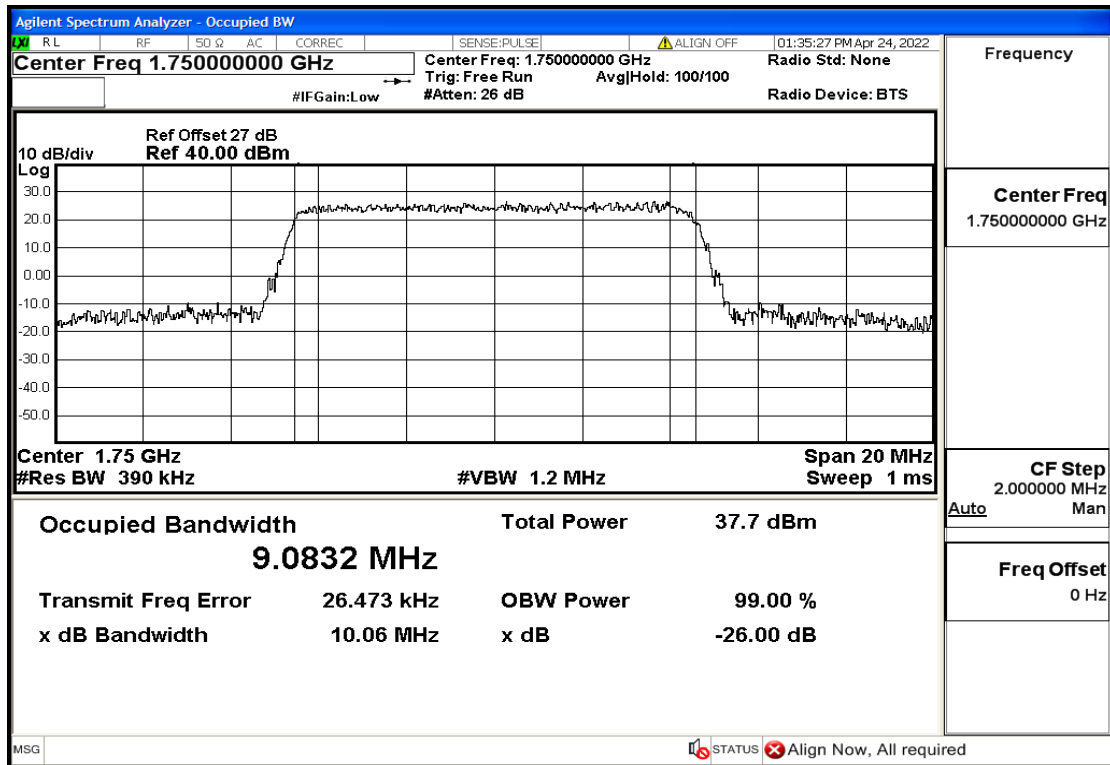
Band4-10-1732.5-QPSK-50#LOW@26dB and 99PCT Bandwidth



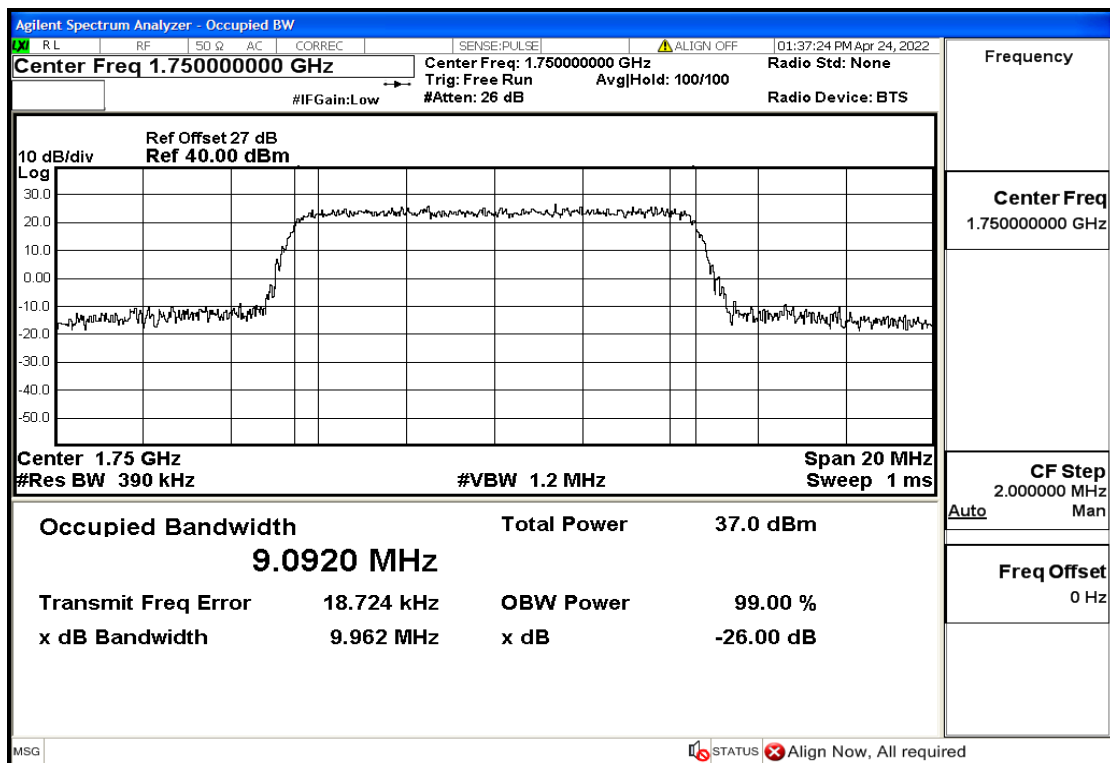
Band4-10-1732.5-16QAM-50#LOW@26dB and 99PCT Bandwidth



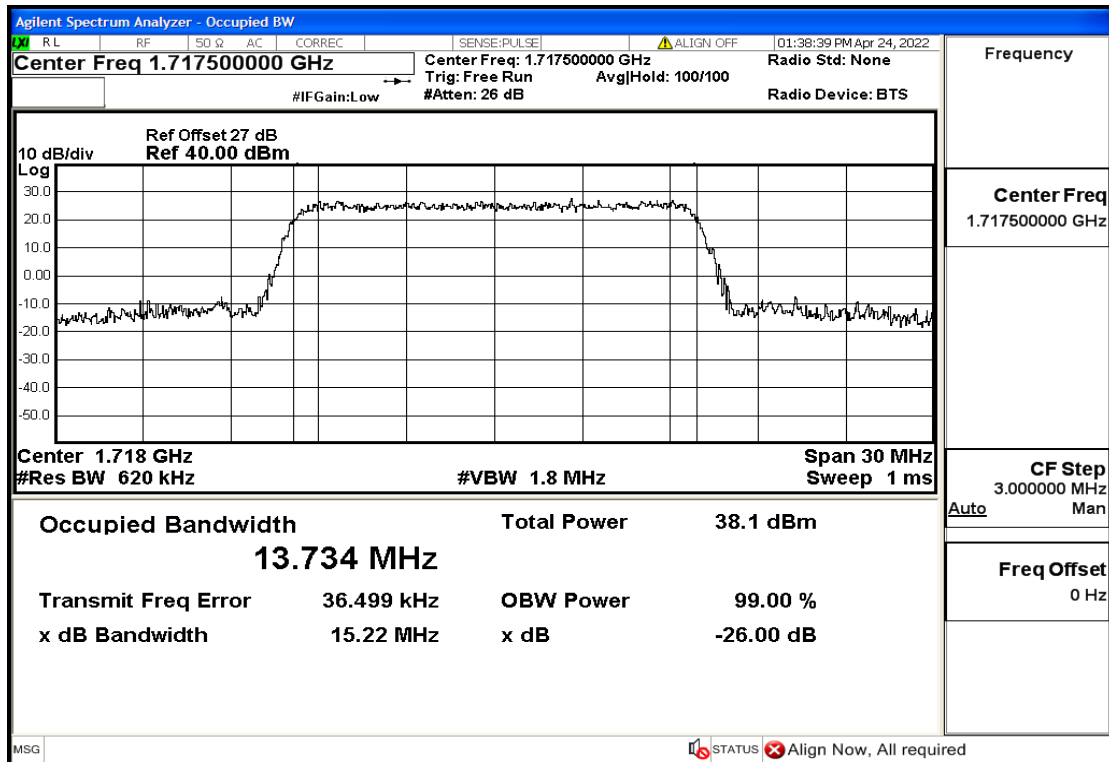
Band4-10-1750-QPSK-50#LOW@26dB and 99PCT Bandwidth



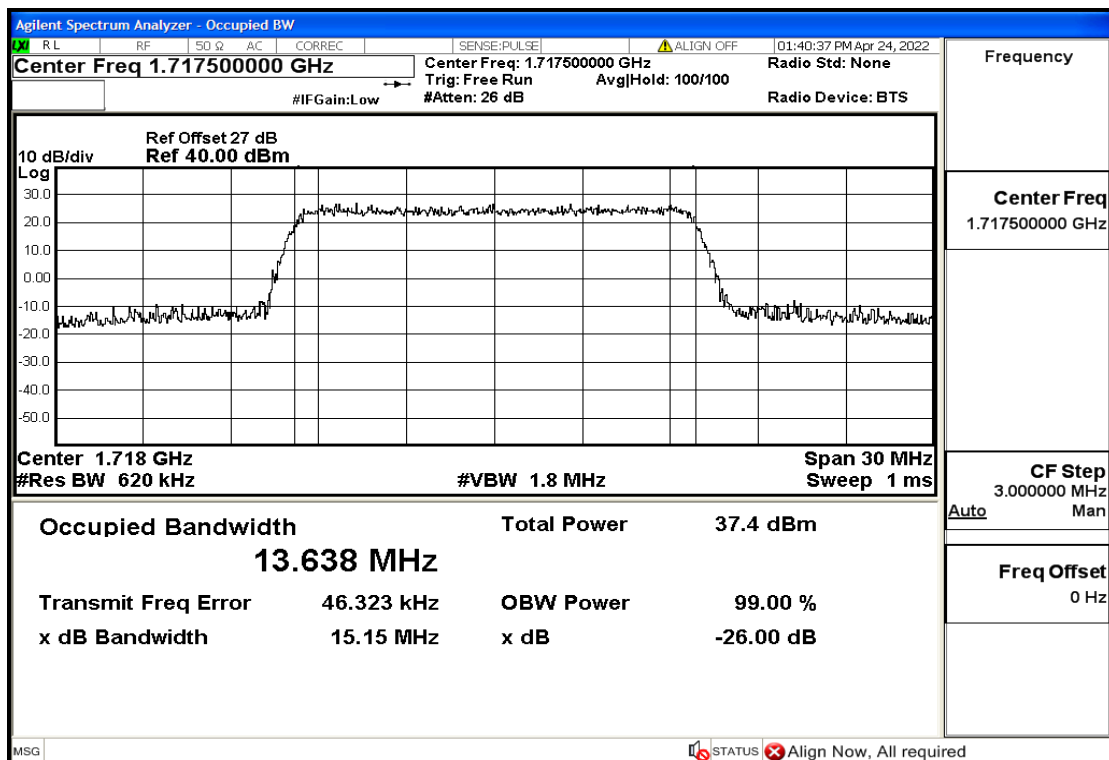
Band4-10-1750-16QAM-50#LOW@26dB and 99PCT Bandwidth



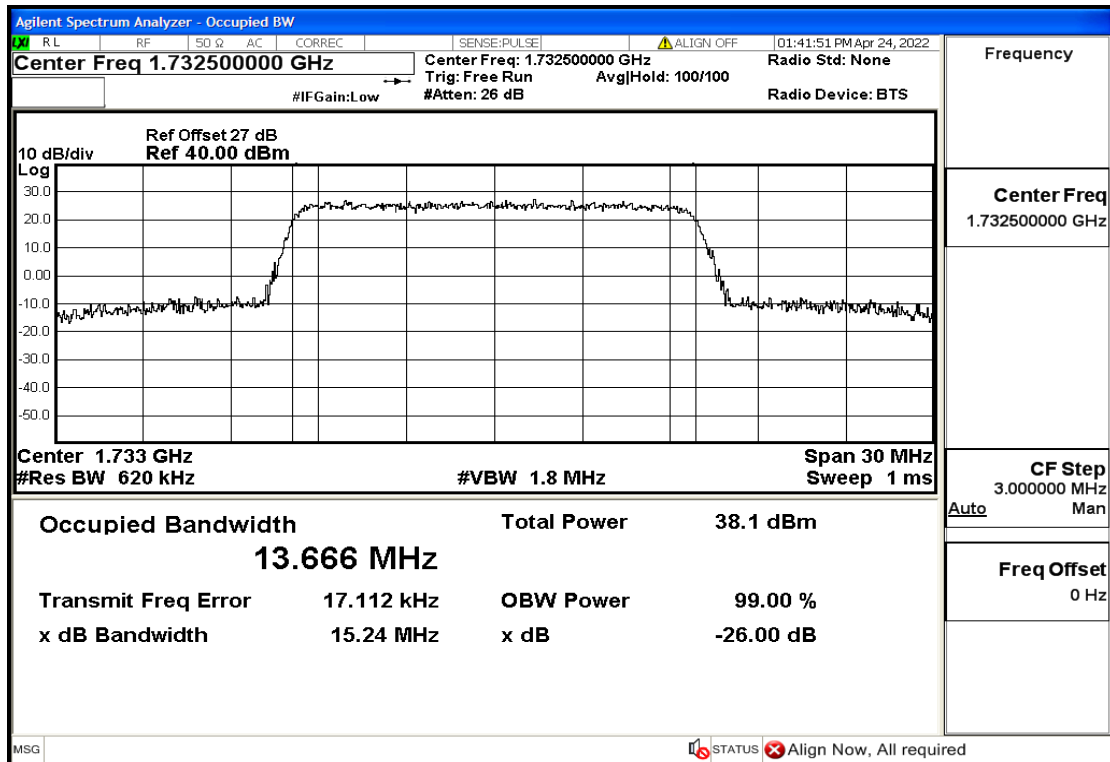
Band4-15-1717.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



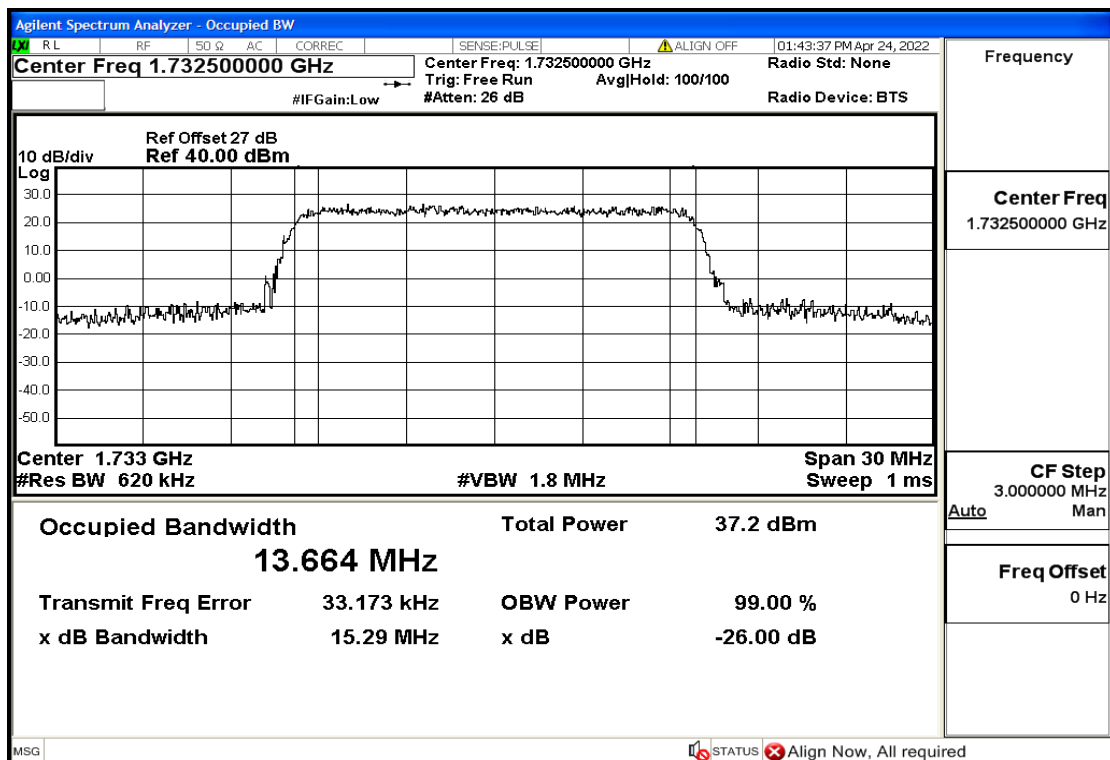
Band4-15-1717.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



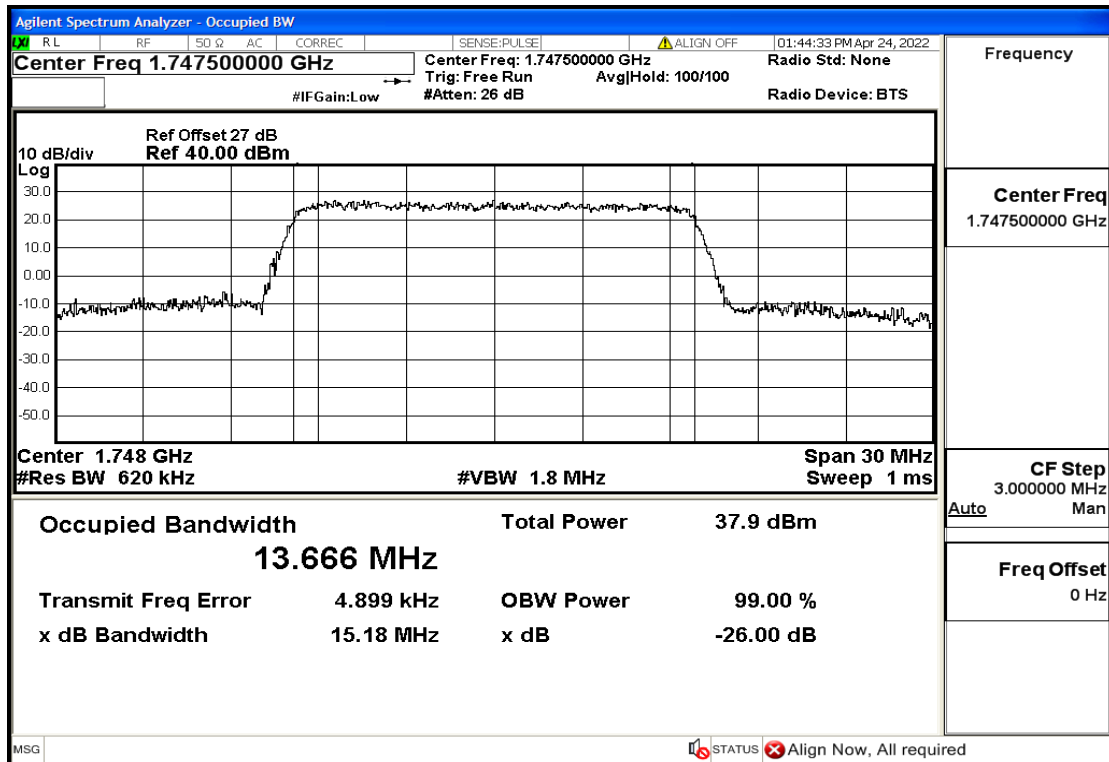
Band4-15-1732.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



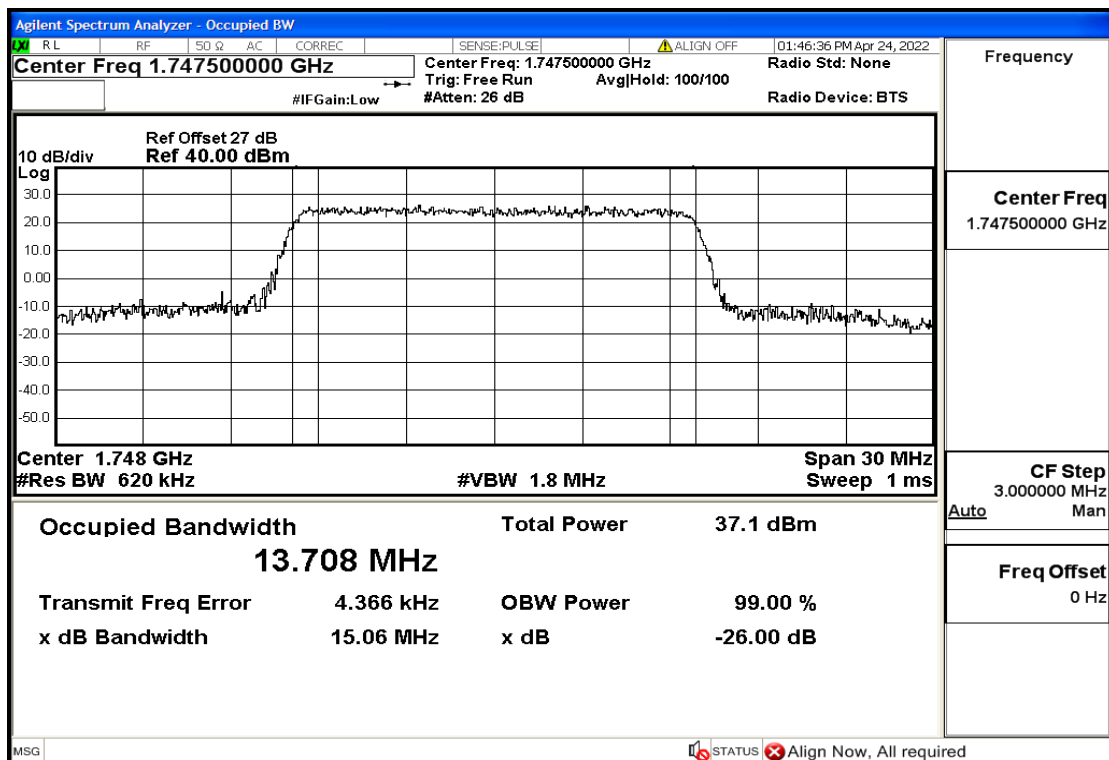
Band4-15-1732.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



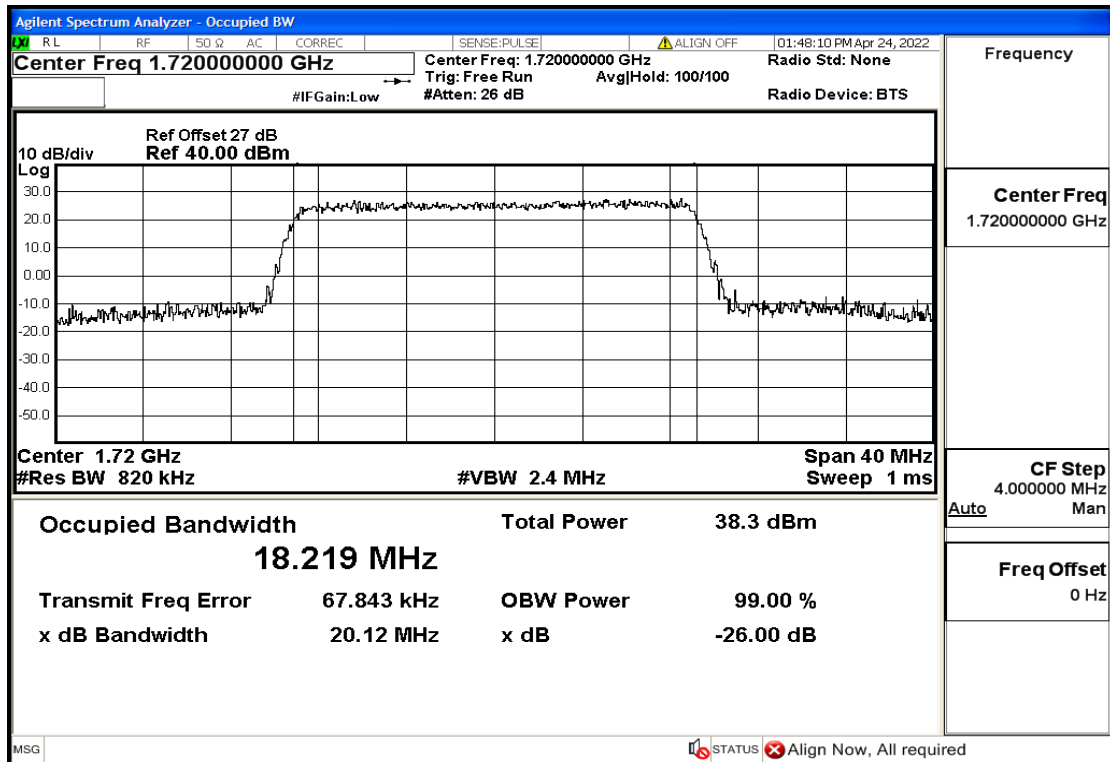
Band4-15-1747.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



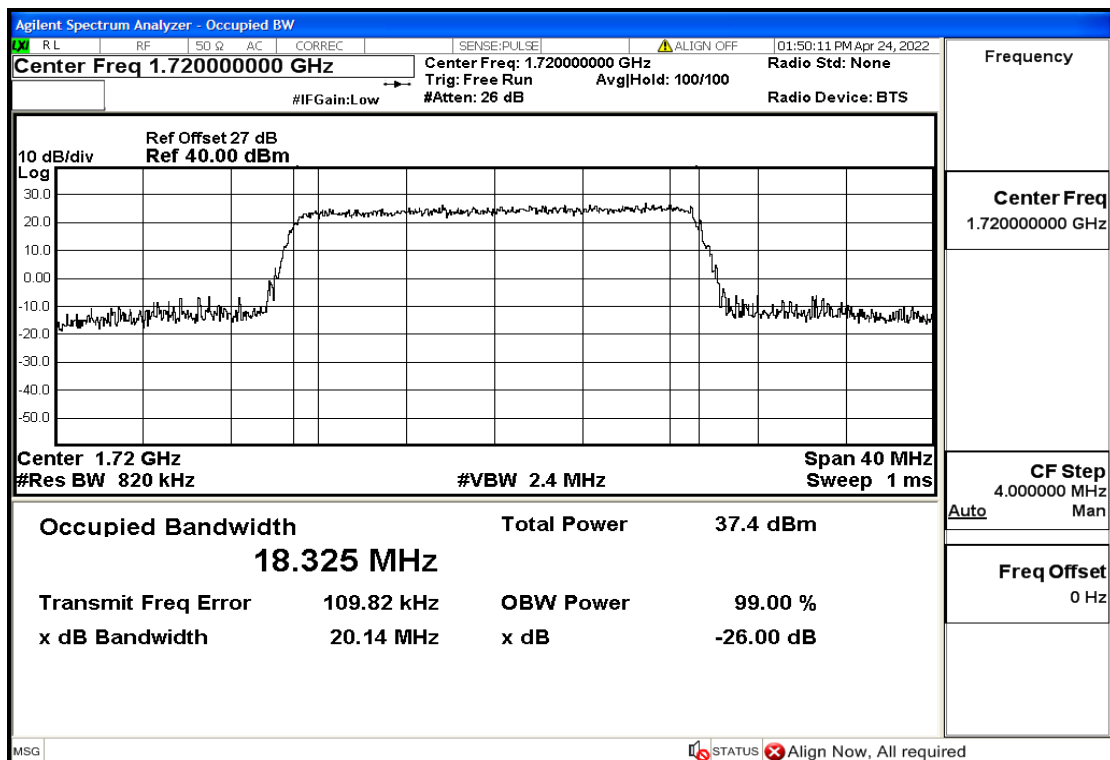
Band4-15-1747.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



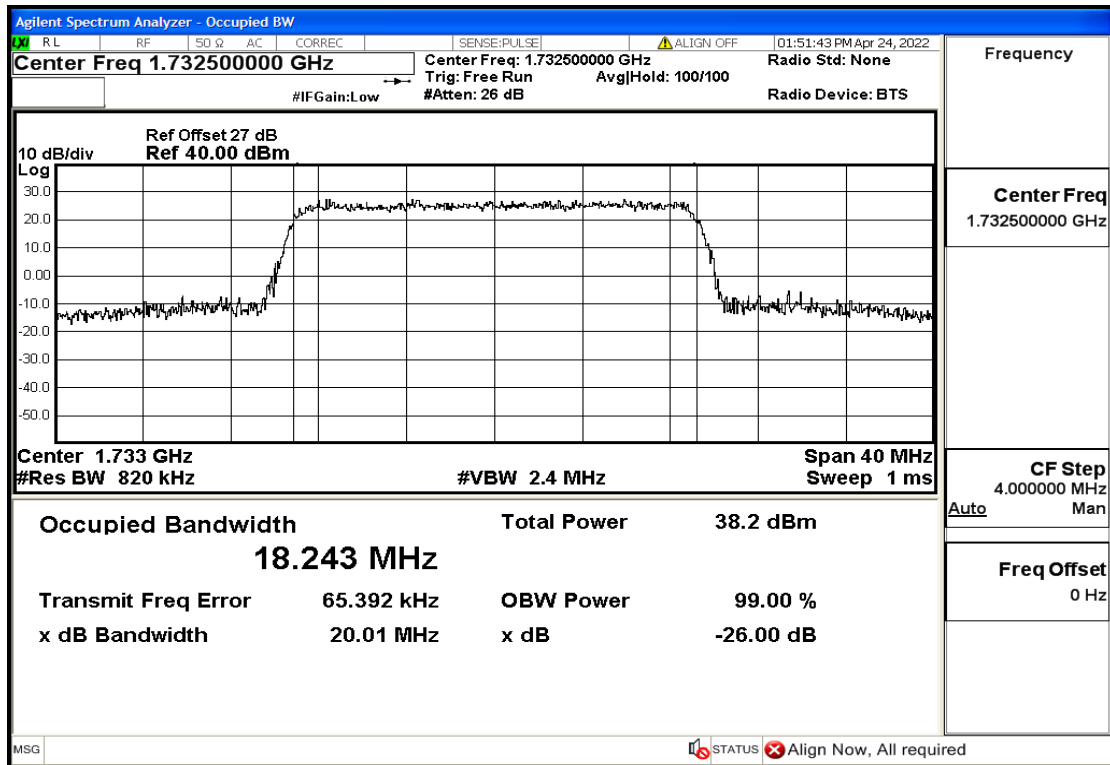
Band4-20-1720-QPSK-100#LOW@26dB and 99PCT Bandwidth



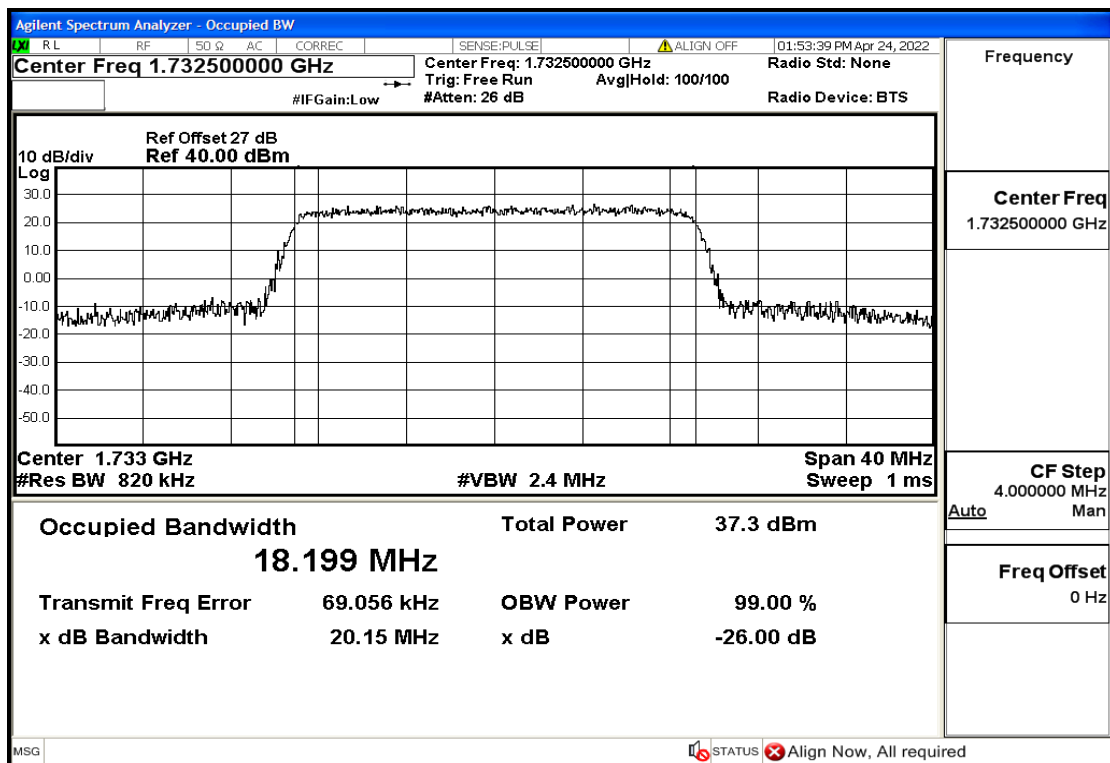
Band4-20-1720-16QAM-100#LOW@26dB and 99PCT Bandwidth



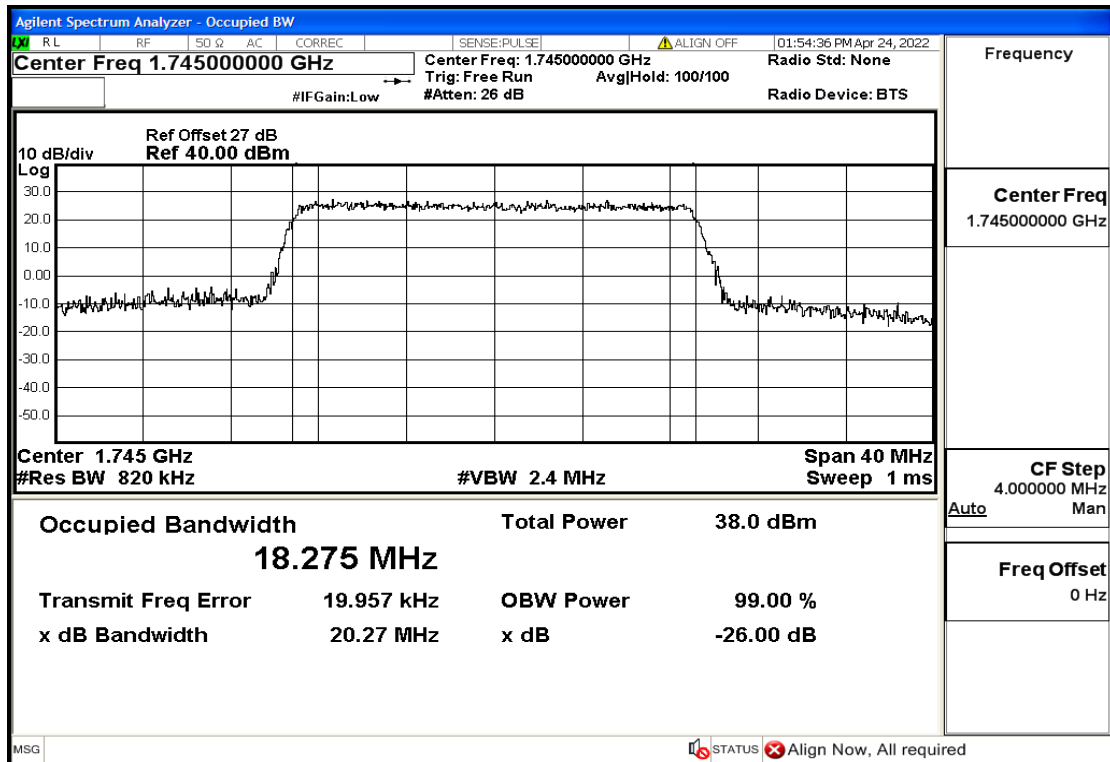
Band4-20-1732.5-QPSK-100#LOW@26dB and 99PCT Bandwidth



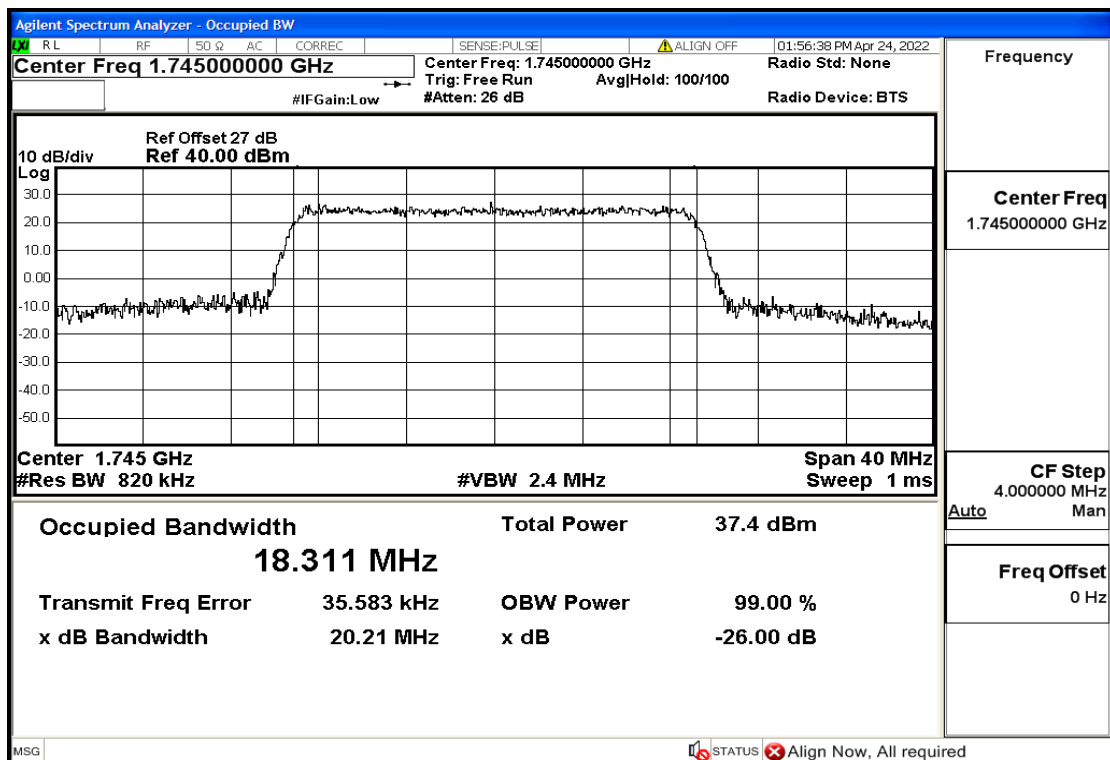
Band4-20-1732.5-16QAM-100#LOW@26dB and 99PCT Bandwidth



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



Band4-20-1745-16QAM-100#LOW@26dB and 99PCT Bandwidth



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0672	PASS
40	Normal Voltage	0.0345	
30	Normal Voltage	0.0167	
20(Ref.)	Normal Voltage	0.0286	
10	Normal Voltage	0.0597	
0	Normal Voltage	0.0194	
-10	Normal Voltage	0.0496	
-20	Normal Voltage	0.0399	
-30	Normal Voltage	0.0172	
20	Maximum Voltage	0.0187	
20	Normal Voltage	0.0246	
20	Battery End Point	0.0666	

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	21.39	27.58	6.19	13	0.8	22.19	30	Pass
Band4	1.4	1710.7	QPSK	3	LOW	22.57	27.56	4.99	13	0.8	23.37	30	Pass
Band4	1.4	1710.7	QPSK	3	MID	22.54	27.59	5.05	13	0.8	23.34	30	Pass
Band4	1.4	1710.7	QPSK	3	HIGH	22.52	27.53	5.01	13	0.8	23.32	30	Pass
Band4	1.4	1710.7	QPSK	1	LOW	22.53	27.23	4.7	13	0.8	23.33	30	Pass
Band4	1.4	1710.7	QPSK	1	MID	22.58	27.34	4.76	13	0.8	23.38	30	Pass
Band4	1.4	1710.7	QPSK	1	HIGH	22.56	27.37	4.81	13	0.8	23.36	30	Pass
Band4	1.4	1710.7	16QAM	6	LOW	20.96	27.51	6.55	13	0.8	21.76	30	Pass
Band4	1.4	1710.7	16QAM	3	LOW	21.76	27.26	5.5	13	0.8	22.56	30	Pass
Band4	1.4	1710.7	16QAM	3	MID	21.75	27.22	5.47	13	0.8	22.55	30	Pass
Band4	1.4	1710.7	16QAM	3	HIGH	21.81	27.34	5.53	13	0.8	22.61	30	Pass
Band4	1.4	1710.7	16QAM	1	LOW	22.44	27.27	4.83	13	0.8	23.24	30	Pass
Band4	1.4	1710.7	16QAM	1	MID	22.49	27.27	4.78	13	0.8	23.29	30	Pass
Band4	1.4	1710.7	16QAM	1	HIGH	22.49	27.32	4.83	13	0.8	23.29	30	Pass
Band4	1.4	1732.5	QPSK	6	LOW	21.46	26.84	5.38	13	0.8	22.26	30	Pass
Band4	1.4	1732.5	QPSK	3	LOW	22.41	26.87	4.46	13	0.8	23.21	30	Pass
Band4	1.4	1732.5	QPSK	3	MID	22.39	26.89	4.5	13	0.8	23.19	30	Pass
Band4	1.4	1732.5	QPSK	3	HIGH	22.38	26.84	4.46	13	0.8	23.18	30	Pass
Band4	1.4	1732.5	QPSK	1	LOW	22.49	26.64	4.15	13	0.8	23.29	30	Pass
Band4	1.4	1732.5	QPSK	1	MID	22.43	26.6	4.17	13	0.8	23.23	30	Pass
Band4	1.4	1732.5	QPSK	1	HIGH	22.6	26.79	4.19	13	0.8	23.4	30	Pass
Band4	1.4	1732.5	16QAM	6	LOW	20.95	27.19	6.24	13	0.8	21.75	30	Pass
Band4	1.4	1732.5	16QAM	3	LOW	21.46	26.97	5.51	13	0.8	22.26	30	Pass
Band4	1.4	1732.5	16QAM	3	MID	21.45	26.97	5.52	13	0.8	22.25	30	Pass
Band4	1.4	1732.5	16QAM	3	HIGH	21.45	27.04	5.59	13	0.8	22.25	30	Pass
Band4	1.4	1732.5	16QAM	1	LOW	22.24	26.53	4.29	13	0.8	23.04	30	Pass
Band4	1.4	1732.5	16QAM	1	MID	22.18	26.35	4.17	13	0.8	22.98	30	Pass
Band4	1.4	1732.5	16QAM	1	HIGH	22.21	26.37	4.16	13	0.8	23.01	30	Pass
Band4	1.4	1754.3	QPSK	6	LOW	21.19	26.8	5.61	13	0.8	21.99	30	Pass
Band4	1.4	1754.3	QPSK	3	LOW	22.37	27.14	4.77	13	0.8	23.17	30	Pass
Band4	1.4	1754.3	QPSK	3	MID	22.45	27.17	4.72	13	0.8	23.25	30	Pass
Band4	1.4	1754.3	QPSK	3	HIGH	22.43	27.2	4.77	13	0.8	23.23	30	Pass
Band4	1.4	1754.3	QPSK	1	LOW	22.42	26.74	4.32	13	0.8	23.22	30	Pass
Band4	1.4	1754.3	QPSK	1	MID	22.47	26.73	4.26	13	0.8	23.27	30	Pass
Band4	1.4	1754.3	QPSK	1	HIGH	22.35	26.73	4.38	13	0.8	23.15	30	Pass
Band4	1.4	1754.3	16QAM	6	LOW	20.48	27.28	6.8	13	0.8	21.28	30	Pass
Band4	1.4	1754.3	16QAM	3	LOW	21.14	26.94	5.8	13	0.8	21.94	30	Pass
Band4	1.4	1754.3	16QAM	3	MID	21.26	26.95	5.69	13	0.8	22.06	30	Pass
Band4	1.4	1754.3	16QAM	3	HIGH	21.2	26.91	5.71	13	0.8	22	30	Pass
Band4	1.4	1754.3	16QAM	1	LOW	21.29	26.09	4.8	13	0.8	22.09	30	Pass

Band4	1.4	1754.3	16QAM	1	MID	21.17	26	4.83	13	0.8	21.97	30	Pass
Band4	1.4	1754.3	16QAM	1	HIGH	21.25	26.02	4.77	13	0.8	22.05	30	Pass
Band4	3	1711.5	QPSK	15	LOW	21.61	26.51	4.9	13	0.8	22.41	30	Pass
Band4	3	1711.5	QPSK	8	LOW	21.49	27.32	5.83	13	0.8	22.29	30	Pass
Band4	3	1711.5	QPSK	8	MID	21.48	27.31	5.83	13	0.8	22.28	30	Pass
Band4	3	1711.5	QPSK	8	HIGH	21.46	27.32	5.86	13	0.8	22.26	30	Pass
Band4	3	1711.5	QPSK	1	LOW	22.42	26.9	4.48	13	0.8	23.22	30	Pass
Band4	3	1711.5	QPSK	1	MID	22.51	27.04	4.53	13	0.8	23.31	30	Pass
Band4	3	1711.5	QPSK	1	HIGH	22.71	27.22	4.51	13	0.8	23.51	30	Pass
Band4	3	1711.5	16QAM	15	LOW	20.65	27.45	6.8	13	0.8	21.45	30	Pass
Band4	3	1711.5	16QAM	8	LOW	20.89	26.71	5.82	13	0.8	21.69	30	Pass
Band4	3	1711.5	16QAM	8	MID	20.89	27.16	6.27	13	0.8	21.69	30	Pass
Band4	3	1711.5	16QAM	8	HIGH	20.88	27.07	6.19	13	0.8	21.68	30	Pass
Band4	3	1711.5	16QAM	1	LOW	21.66	26.53	4.87	13	0.8	22.46	30	Pass
Band4	3	1711.5	16QAM	1	MID	21.54	26.46	4.92	13	0.8	22.34	30	Pass
Band4	3	1711.5	16QAM	1	HIGH	21.63	26.57	4.94	13	0.8	22.43	30	Pass
Band4	3	1732.5	QPSK	15	LOW	21.45	27.04	5.59	13	0.8	22.25	30	Pass
Band4	3	1732.5	QPSK	8	LOW	21.39	26.68	5.29	13	0.8	22.19	30	Pass
Band4	3	1732.5	QPSK	8	MID	21.39	26.6	5.21	13	0.8	22.19	30	Pass
Band4	3	1732.5	QPSK	8	HIGH	21.38	26.6	5.22	13	0.8	22.18	30	Pass
Band4	3	1732.5	QPSK	1	LOW	22.26	26.42	4.16	13	0.8	23.06	30	Pass
Band4	3	1732.5	QPSK	1	MID	22.27	26.38	4.11	13	0.8	23.07	30	Pass
Band4	3	1732.5	QPSK	1	HIGH	22.28	26.3	4.02	13	0.8	23.08	30	Pass
Band4	3	1732.5	16QAM	15	LOW	20.57	26.86	6.29	13	0.8	21.37	30	Pass
Band4	3	1732.5	16QAM	8	LOW	20.8	26.99	6.19	13	0.8	21.6	30	Pass
Band4	3	1732.5	16QAM	8	MID	20.81	26.92	6.11	13	0.8	21.61	30	Pass
Band4	3	1732.5	16QAM	8	HIGH	20.79	26.74	5.95	13	0.8	21.59	30	Pass
Band4	3	1732.5	16QAM	1	LOW	22.07	26.97	4.9	13	0.8	22.87	30	Pass
Band4	3	1732.5	16QAM	1	MID	21.88	26.82	4.94	13	0.8	22.68	30	Pass
Band4	3	1732.5	16QAM	1	HIGH	21.98	26.79	4.81	13	0.8	22.78	30	Pass
Band4	3	1753.5	QPSK	15	LOW	21.18	26.81	5.63	13	0.8	21.98	30	Pass
Band4	3	1753.5	QPSK	8	LOW	21.29	26.8	5.51	13	0.8	22.09	30	Pass
Band4	3	1753.5	QPSK	8	MID	21.3	26.96	5.66	13	0.8	22.1	30	Pass
Band4	3	1753.5	QPSK	8	HIGH	21.24	26.91	5.67	13	0.8	22.04	30	Pass
Band4	3	1753.5	QPSK	1	LOW	22.44	26.79	4.35	13	0.8	23.24	30	Pass
Band4	3	1753.5	QPSK	1	MID	22.48	26.78	4.3	13	0.8	23.28	30	Pass
Band4	3	1753.5	QPSK	1	HIGH	22.54	26.73	4.19	13	0.8	23.34	30	Pass
Band4	3	1753.5	16QAM	15	LOW	20.66	27.18	6.52	13	0.8	21.46	30	Pass
Band4	3	1753.5	16QAM	8	LOW	20.55	26.44	5.89	13	0.8	21.35	30	Pass
Band4	3	1753.5	16QAM	8	MID	20.55	26.59	6.04	13	0.8	21.35	30	Pass
Band4	3	1753.5	16QAM	8	HIGH	20.51	26.68	6.17	13	0.8	21.31	30	Pass
Band4	3	1753.5	16QAM	1	LOW	21.66	26.73	5.07	13	0.8	22.46	30	Pass
Band4	3	1753.5	16QAM	1	MID	21.7	26.68	4.98	13	0.8	22.5	30	Pass
Band4	3	1753.5	16QAM	1	HIGH	21.62	26.18	4.56	13	0.8	22.42	30	Pass
Band4	5	1712.5	QPSK	25	LOW	21.52	27.62	6.1	13	0.8	22.32	30	Pass
Band4	5	1712.5	QPSK	12	LOW	21.55	27.1	5.55	13	0.8	22.35	30	Pass

Band4	5	1712.5	QPSK	12	MID	21.57	27.17	5.6	13	0.8	22.37	30	Pass
Band4	5	1712.5	QPSK	12	HIGH	21.51	27.18	5.67	13	0.8	22.31	30	Pass
Band4	5	1712.5	QPSK	1	LOW	22.58	27.31	4.73	13	0.8	23.38	30	Pass
Band4	5	1712.5	QPSK	1	MID	22.6	27.57	4.97	13	0.8	23.4	30	Pass
Band4	5	1712.5	QPSK	1	HIGH	22.55	27.69	5.14	13	0.8	23.35	30	Pass
Band4	5	1712.5	16QAM	25	LOW	20.71	27.42	6.71	13	0.8	21.51	30	Pass
Band4	5	1712.5	16QAM	12	LOW	20.83	27.45	6.62	13	0.8	21.63	30	Pass
Band4	5	1712.5	16QAM	12	MID	20.71	27.43	6.72	13	0.8	21.51	30	Pass
Band4	5	1712.5	16QAM	12	HIGH	20.68	27.54	6.86	13	0.8	21.48	30	Pass
Band4	5	1712.5	16QAM	1	LOW	20.98	26.46	5.48	13	0.8	21.78	30	Pass
Band4	5	1712.5	16QAM	1	MID	21.1	26.65	5.55	13	0.8	21.9	30	Pass
Band4	5	1712.5	16QAM	1	HIGH	20.97	26.63	5.66	13	0.8	21.77	30	Pass
Band4	5	1732.5	QPSK	25	LOW	21.34	27.35	6.01	13	0.8	22.14	30	Pass
Band4	5	1732.5	QPSK	12	LOW	21.38	26.84	5.46	13	0.8	22.18	30	Pass
Band4	5	1732.5	QPSK	12	MID	21.37	26.93	5.56	13	0.8	22.17	30	Pass
Band4	5	1732.5	QPSK	12	HIGH	21.33	26.88	5.55	13	0.8	22.13	30	Pass
Band4	5	1732.5	QPSK	1	LOW	22.58	26.7	4.12	13	0.8	23.38	30	Pass
Band4	5	1732.5	QPSK	1	MID	22.53	26.53	4	13	0.8	23.33	30	Pass
Band4	5	1732.5	QPSK	1	HIGH	22.51	26.48	3.97	13	0.8	23.31	30	Pass
Band4	5	1732.5	16QAM	25	LOW	20.49	27.79	7.3	13	0.8	21.29	30	Pass
Band4	5	1732.5	16QAM	12	LOW	20.62	26.67	6.05	13	0.8	21.42	30	Pass
Band4	5	1732.5	16QAM	12	MID	20.5	26.58	6.08	13	0.8	21.3	30	Pass
Band4	5	1732.5	16QAM	12	HIGH	20.71	26.63	5.92	13	0.8	21.51	30	Pass
Band4	5	1732.5	16QAM	1	LOW	21.64	26.6	4.96	13	0.8	22.44	30	Pass
Band4	5	1732.5	16QAM	1	MID	21.62	26.46	4.84	13	0.8	22.42	30	Pass
Band4	5	1732.5	16QAM	1	HIGH	21.74	26.45	4.71	13	0.8	22.54	30	Pass
Band4	5	1752.5	QPSK	25	LOW	21.31	27.23	5.92	13	0.8	22.11	30	Pass
Band4	5	1752.5	QPSK	12	LOW	21.36	26.63	5.27	13	0.8	22.16	30	Pass
Band4	5	1752.5	QPSK	12	MID	21.36	26.77	5.41	13	0.8	22.16	30	Pass
Band4	5	1752.5	QPSK	12	HIGH	21.38	26.71	5.33	13	0.8	22.18	30	Pass
Band4	5	1752.5	QPSK	1	LOW	22.19	26.86	4.67	13	0.8	22.99	30	Pass
Band4	5	1752.5	QPSK	1	MID	22.33	26.84	4.51	13	0.8	23.13	30	Pass
Band4	5	1752.5	QPSK	1	HIGH	22.32	26.79	4.47	13	0.8	23.12	30	Pass
Band4	5	1752.5	16QAM	25	LOW	20.53	27.69	7.16	13	0.8	21.33	30	Pass
Band4	5	1752.5	16QAM	12	LOW	20.46	26.68	6.22	13	0.8	21.26	30	Pass
Band4	5	1752.5	16QAM	12	MID	20.34	26.77	6.43	13	0.8	21.14	30	Pass
Band4	5	1752.5	16QAM	12	HIGH	20.24	26.63	6.39	13	0.8	21.04	30	Pass
Band4	5	1752.5	16QAM	1	LOW	20.89	26.64	5.75	13	0.8	21.69	30	Pass
Band4	5	1752.5	16QAM	1	MID	20.91	26.56	5.65	13	0.8	21.71	30	Pass
Band4	5	1752.5	16QAM	1	HIGH	20.94	26.8	5.86	13	0.8	21.74	30	Pass
Band4	10	1715	QPSK	50	LOW	21.55	27.6	6.05	13	0.8	22.35	30	Pass
Band4	10	1715	QPSK	25	LOW	21.49	27.36	5.87	13	0.8	22.29	30	Pass
Band4	10	1715	QPSK	25	MID	21.49	27.36	5.87	13	0.8	22.29	30	Pass
Band4	10	1715	QPSK	25	HIGH	21.39	27.42	6.03	13	0.8	22.19	30	Pass
Band4	10	1715	QPSK	1	LOW	22.46	26.8	4.34	13	0.8	23.26	30	Pass
Band4	10	1715	QPSK	1	MID	22.57	27.09	4.52	13	0.8	23.37	30	Pass

Band4	10	1715	QPSK	1	HIGH	22.45	27.09	4.64	13	0.8	23.25	30	Pass
Band4	10	1715	16QAM	50	LOW	20.63	27.99	7.36	13	0.8	21.43	30	Pass
Band4	10	1715	16QAM	25	LOW	20.68	27.49	6.81	13	0.8	21.48	30	Pass
Band4	10	1715	16QAM	25	MID	20.69	27.52	6.83	13	0.8	21.49	30	Pass
Band4	10	1715	16QAM	25	HIGH	20.74	27.62	6.88	13	0.8	21.54	30	Pass
Band4	10	1715	16QAM	1	LOW	21.98	27.31	5.33	13	0.8	22.78	30	Pass
Band4	10	1715	16QAM	1	MID	21.98	27.58	5.6	13	0.8	22.78	30	Pass
Band4	10	1715	16QAM	1	HIGH	21.95	27.62	5.67	13	0.8	22.75	30	Pass
Band4	10	1732.5	QPSK	50	LOW	21.41	27.13	5.72	13	0.8	22.21	30	Pass
Band4	10	1732.5	QPSK	25	LOW	21.26	26.82	5.56	13	0.8	22.06	30	Pass
Band4	10	1732.5	QPSK	25	MID	21.26	26.72	5.46	13	0.8	22.06	30	Pass
Band4	10	1732.5	QPSK	25	HIGH	21.36	26.7	5.34	13	0.8	22.16	30	Pass
Band4	10	1732.5	QPSK	1	LOW	22.45	26.78	4.33	13	0.8	23.25	30	Pass
Band4	10	1732.5	QPSK	1	MID	22.45	26.49	4.04	13	0.8	23.25	30	Pass
Band4	10	1732.5	QPSK	1	HIGH	22.53	26.5	3.97	13	0.8	23.33	30	Pass
Band4	10	1732.5	16QAM	50	LOW	20.59	27.04	6.45	13	0.8	21.39	30	Pass
Band4	10	1732.5	16QAM	25	LOW	20.71	27.03	6.32	13	0.8	21.51	30	Pass
Band4	10	1732.5	16QAM	25	MID	20.71	27.14	6.43	13	0.8	21.51	30	Pass
Band4	10	1732.5	16QAM	25	HIGH	20.6	26.93	6.33	13	0.8	21.4	30	Pass
Band4	10	1732.5	16QAM	1	LOW	21.67	26.99	5.32	13	0.8	22.47	30	Pass
Band4	10	1732.5	16QAM	1	MID	21.65	26.05	4.4	13	0.8	22.45	30	Pass
Band4	10	1732.5	16QAM	1	HIGH	21.62	26.54	4.92	13	0.8	22.42	30	Pass
Band4	10	1750	QPSK	50	LOW	21.26	27.38	6.12	13	0.8	22.06	30	Pass
Band4	10	1750	QPSK	25	LOW	21.32	27.03	5.71	13	0.8	22.12	30	Pass
Band4	10	1750	QPSK	25	MID	21.32	27.02	5.7	13	0.8	22.12	30	Pass
Band4	10	1750	QPSK	25	HIGH	21.36	27.2	5.84	13	0.8	22.16	30	Pass
Band4	10	1750	QPSK	1	LOW	22.51	27.01	4.5	13	0.8	23.31	30	Pass
Band4	10	1750	QPSK	1	MID	22.48	26.69	4.21	13	0.8	23.28	30	Pass
Band4	10	1750	QPSK	1	HIGH	22.53	26.7	4.17	13	0.8	23.33	30	Pass
Band4	10	1750	16QAM	50	LOW	20.51	27.05	6.54	13	0.8	21.31	30	Pass
Band4	10	1750	16QAM	25	LOW	20.63	27.11	6.48	13	0.8	21.43	30	Pass
Band4	10	1750	16QAM	25	MID	20.51	27.05	6.54	13	0.8	21.31	30	Pass
Band4	10	1750	16QAM	25	HIGH	20.37	27	6.63	13	0.8	21.17	30	Pass
Band4	10	1750	16QAM	1	LOW	22.36	27.41	5.05	13	0.8	23.16	30	Pass
Band4	10	1750	16QAM	1	MID	22.26	26.35	4.09	13	0.8	23.06	30	Pass
Band4	10	1750	16QAM	1	HIGH	22.26	27.37	5.11	13	0.8	23.06	30	Pass
Band4	15	1717.5	QPSK	75	LOW	21.54	28.2	6.66	13	0.8	22.34	30	Pass
Band4	15	1717.5	QPSK	38	LOW	21.4	28.12	6.72	13	0.8	22.2	30	Pass
Band4	15	1717.5	QPSK	38	MID	21.4	28.07	6.67	13	0.8	22.2	30	Pass
Band4	15	1717.5	QPSK	38	HIGH	21.4	28.02	6.62	13	0.8	22.2	30	Pass
Band4	15	1717.5	QPSK	1	LOW	22.44	26.97	4.53	13	0.8	23.24	30	Pass
Band4	15	1717.5	QPSK	1	MID	22.52	27.08	4.56	13	0.8	23.32	30	Pass
Band4	15	1717.5	QPSK	1	HIGH	22.49	27.02	4.53	13	0.8	23.29	30	Pass
Band4	15	1717.5	16QAM	75	LOW	20.54	27.84	7.3	13	0.8	21.34	30	Pass
Band4	15	1717.5	16QAM	38	LOW	20.74	27.97	7.23	13	0.8	21.54	30	Pass
Band4	15	1717.5	16QAM	38	MID	20.74	27.83	7.09	13	0.8	21.54	30	Pass

Band4	15	1717.5	16QAM	38	HIGH	20.75	27.98	7.23	13	0.8	21.55	30	Pass
Band4	15	1717.5	16QAM	1	LOW	22.17	27.64	5.47	13	0.8	22.97	30	Pass
Band4	15	1717.5	16QAM	1	MID	22.31	27.69	5.38	13	0.8	23.11	30	Pass
Band4	15	1717.5	16QAM	1	HIGH	22.16	27.46	5.3	13	0.8	22.96	30	Pass
Band4	15	1732.5	QPSK	75	LOW	21.48	27.57	6.09	13	0.8	22.28	30	Pass
Band4	15	1732.5	QPSK	38	LOW	21.45	27.72	6.27	13	0.8	22.25	30	Pass
Band4	15	1732.5	QPSK	38	MID	21.45	27.71	6.26	13	0.8	22.25	30	Pass
Band4	15	1732.5	QPSK	38	HIGH	21.45	27.71	6.26	13	0.8	22.25	30	Pass
Band4	15	1732.5	QPSK	1	LOW	22.61	26.96	4.35	13	0.8	23.41	30	Pass
Band4	15	1732.5	QPSK	1	MID	22.48	26.46	3.98	13	0.8	23.28	30	Pass
Band4	15	1732.5	QPSK	1	HIGH	22.65	26.71	4.06	13	0.8	23.45	30	Pass
Band4	15	1732.5	16QAM	75	LOW	20.56	27.39	6.83	13	0.8	21.36	30	Pass
Band4	15	1732.5	16QAM	38	LOW	20.56	27.45	6.89	13	0.8	21.36	30	Pass
Band4	15	1732.5	16QAM	38	MID	20.57	27.44	6.87	13	0.8	21.37	30	Pass
Band4	15	1732.5	16QAM	38	HIGH	20.57	27.43	6.86	13	0.8	21.37	30	Pass
Band4	15	1732.5	16QAM	1	LOW	21.73	27.26	5.53	13	0.8	22.53	30	Pass
Band4	15	1732.5	16QAM	1	MID	21.64	25.98	4.34	13	0.8	22.44	30	Pass
Band4	15	1732.5	16QAM	1	HIGH	21.58	26.45	4.87	13	0.8	22.38	30	Pass
Band4	15	1747.5	QPSK	75	LOW	21.33	27.52	6.19	13	0.8	22.13	30	Pass
Band4	15	1747.5	QPSK	38	LOW	21.36	27.66	6.3	13	0.8	22.16	30	Pass
Band4	15	1747.5	QPSK	38	MID	21.36	27.67	6.31	13	0.8	22.16	30	Pass
Band4	15	1747.5	QPSK	38	HIGH	21.35	27.48	6.13	13	0.8	22.15	30	Pass
Band4	15	1747.5	QPSK	1	LOW	22.57	27.07	4.5	13	0.8	23.37	30	Pass
Band4	15	1747.5	QPSK	1	MID	22.59	26.69	4.1	13	0.8	23.39	30	Pass
Band4	15	1747.5	QPSK	1	HIGH	22.55	26.72	4.17	13	0.8	23.35	30	Pass
Band4	15	1747.5	16QAM	75	LOW	20.49	27.47	6.98	13	0.8	21.29	30	Pass
Band4	15	1747.5	16QAM	38	LOW	20.43	27.3	6.87	13	0.8	21.23	30	Pass
Band4	15	1747.5	16QAM	38	MID	20.43	27.37	6.94	13	0.8	21.23	30	Pass
Band4	15	1747.5	16QAM	38	HIGH	20.44	27.4	6.96	13	0.8	21.24	30	Pass
Band4	15	1747.5	16QAM	1	LOW	22.01	27.17	5.16	13	0.8	22.81	30	Pass
Band4	15	1747.5	16QAM	1	MID	21.99	26.37	4.38	13	0.8	22.79	30	Pass
Band4	15	1747.5	16QAM	1	HIGH	22.02	27.18	5.16	13	0.8	22.82	30	Pass
Band4	20	1720	QPSK	100	LOW	21.55	27.7	6.15	13	0.8	22.35	30	Pass
Band4	20	1720	QPSK	50	LOW	21.5	27.45	5.95	13	0.8	22.3	30	Pass
Band4	20	1720	QPSK	50	MID	21.5	27.46	5.96	13	0.8	22.3	30	Pass
Band4	20	1720	QPSK	50	HIGH	21.41	27.32	5.91	13	0.8	22.21	30	Pass
Band4	20	1720	QPSK	1	LOW	22.74	27.16	4.42	13	0.8	23.54	30	Pass
Band4	20	1720	QPSK	1	MID	22.67	27.25	4.58	13	0.8	23.47	30	Pass
Band4	20	1720	QPSK	1	HIGH	22.69	26.79	4.1	13	0.8	23.49	30	Pass
Band4	20	1720	16QAM	100	LOW	20.56	28.21	7.65	13	0.8	21.36	30	Pass
Band4	20	1720	16QAM	50	LOW	20.79	27.98	7.19	13	0.8	21.59	30	Pass
Band4	20	1720	16QAM	50	MID	20.8	27.97	7.17	13	0.8	21.6	30	Pass
Band4	20	1720	16QAM	50	HIGH	20.82	27.72	6.9	13	0.8	21.62	30	Pass
Band4	20	1720	16QAM	1	LOW	21.98	27.81	5.83	13	0.8	22.78	30	Pass
Band4	20	1720	16QAM	1	MID	21.85	27.19	5.34	13	0.8	22.65	30	Pass
Band4	20	1720	16QAM	1	HIGH	21.77	27.84	6.07	13	0.8	22.57	30	Pass

Band4	20	1732.5	QPSK	100	LOW	21.42	27.44	6.02	13	0.8	22.22	30	Pass
Band4	20	1732.5	QPSK	50	LOW	21.27	27.04	5.77	13	0.8	22.07	30	Pass
Band4	20	1732.5	QPSK	50	MID	21.47	27.13	5.66	13	0.8	22.27	30	Pass
Band4	20	1732.5	QPSK	50	HIGH	21.36	26.79	5.43	13	0.8	22.16	30	Pass
Band4	20	1732.5	QPSK	1	LOW	22.68	27.97	5.29	13	0.8	23.48	30	Pass
Band4	20	1732.5	QPSK	1	MID	22.71	26.43	3.72	13	0.8	23.51	30	Pass
Band4	20	1732.5	QPSK	1	HIGH	22.72	27.5	4.78	13	0.8	23.52	30	Pass
Band4	20	1732.5	16QAM	100	LOW	20.43	27.52	7.09	13	0.8	21.23	30	Pass
Band4	20	1732.5	16QAM	50	LOW	20.64	27.17	6.53	13	0.8	21.44	30	Pass
Band4	20	1732.5	16QAM	50	MID	20.65	27.27	6.62	13	0.8	21.45	30	Pass
Band4	20	1732.5	16QAM	50	HIGH	20.66	26.95	6.29	13	0.8	21.46	30	Pass
Band4	20	1732.5	16QAM	1	LOW	21.78	27.38	5.6	13	0.8	22.58	30	Pass
Band4	20	1732.5	16QAM	1	MID	21.67	26.71	5.04	13	0.8	22.47	30	Pass
Band4	20	1732.5	16QAM	1	HIGH	21.65	26.72	5.07	13	0.8	22.45	30	Pass
Band4	20	1745	QPSK	100	LOW	21.43	27.59	6.16	13	0.8	22.23	30	Pass
Band4	20	1745	QPSK	50	LOW	21.5	27.05	5.55	13	0.8	22.3	30	Pass
Band4	20	1745	QPSK	50	MID	21.49	27.06	5.57	13	0.8	22.29	30	Pass
Band4	20	1745	QPSK	50	HIGH	21.56	27.17	5.61	13	0.8	22.36	30	Pass
Band4	20	1745	QPSK	1	LOW	22.52	27.29	4.77	13	0.8	23.32	30	Pass
Band4	20	1745	QPSK	1	MID	22.54	26.71	4.17	13	0.8	23.34	30	Pass
Band4	20	1745	QPSK	1	HIGH	22.56	27.07	4.51	13	0.8	23.36	30	Pass
Band4	20	1745	16QAM	100	LOW	20.67	27.55	6.88	13	0.8	21.47	30	Pass
Band4	20	1745	16QAM	50	LOW	20.51	26.9	6.39	13	0.8	21.31	30	Pass
Band4	20	1745	16QAM	50	MID	20.52	27	6.48	13	0.8	21.32	30	Pass
Band4	20	1745	16QAM	50	HIGH	20.41	27.09	6.68	13	0.8	21.21	30	Pass
Band4	20	1745	16QAM	1	LOW	22.21	27.12	4.91	13	0.8	23.01	30	Pass
Band4	20	1745	16QAM	1	MID	22	26.62	4.62	13	0.8	22.8	30	Pass
Band4	20	1745	16QAM	1	HIGH	22.07	27.63	5.56	13	0.8	22.87	30	Pass