

RF Test Data for LTE (Conducted Measurement)

Product Name: FastHelp Home Emergency Alert Device – V4-4G

Trade Mark: FastHelp

Test Model: FH-V4-4G

Sample ID: TZ210702403-1#

FCC ID: 2AJG4-FH-V4-4G

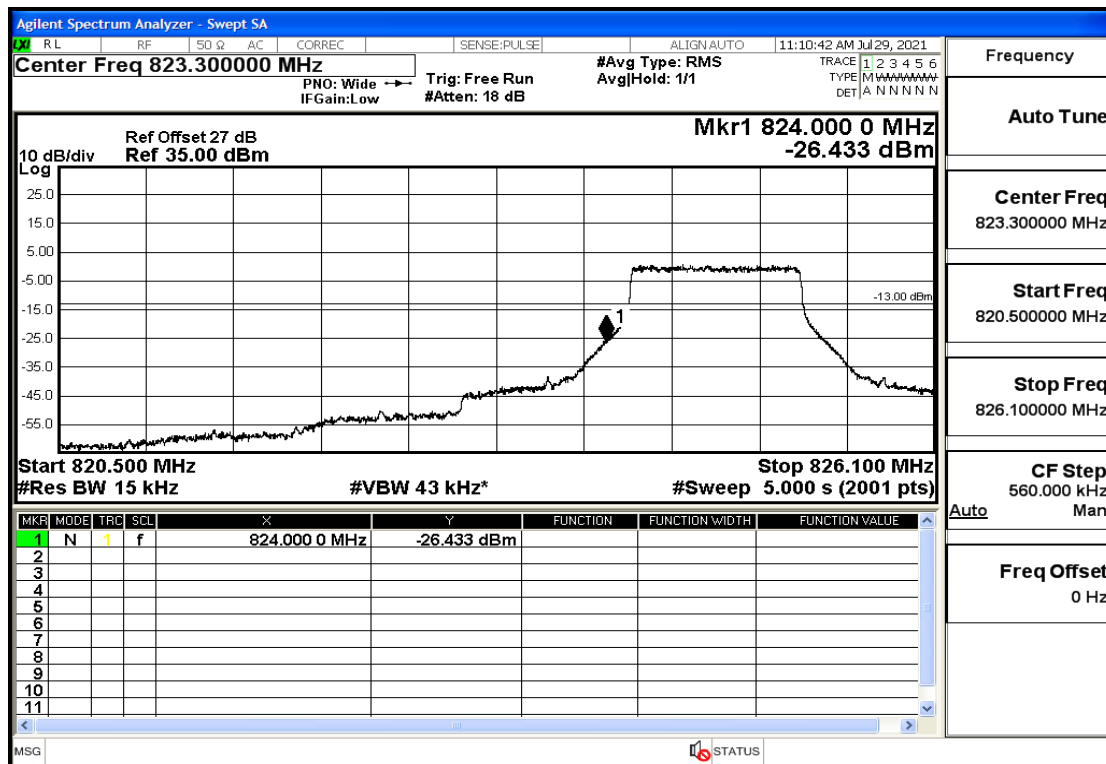
Environmental Conditions

Temperature:	23.8℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
Remark:	For LTE Band5

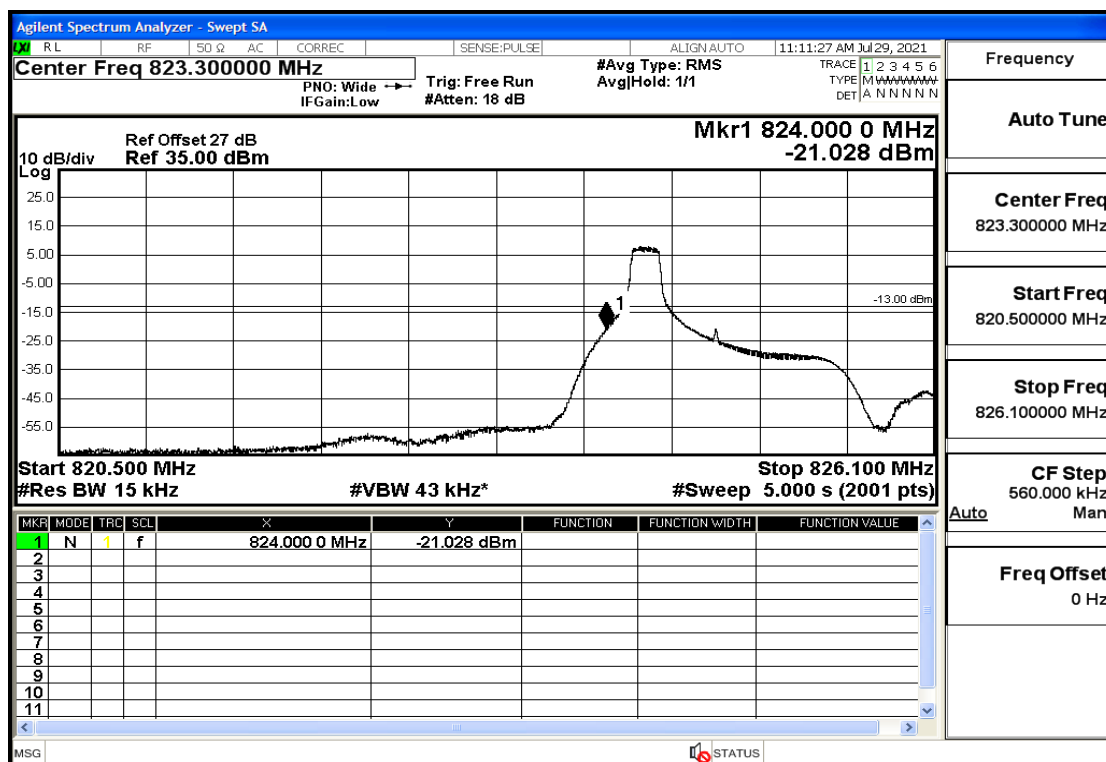
Band Edge and Emission Mask

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Conclusion
Band5	1.4	824.7	QPSK	6	LOW	Pass
Band5	1.4	824.7	QPSK	1	LOW	Pass
Band5	1.4	824.7	16QAM	6	LOW	Pass
Band5	1.4	824.7	16QAM	1	LOW	Pass
Band5	1.4	848.3	QPSK	6	LOW	Pass
Band5	1.4	848.3	QPSK	1	HIGH	Pass
Band5	1.4	848.3	16QAM	6	LOW	Pass
Band5	1.4	848.3	16QAM	1	HIGH	Pass
Band5	3	825.5	QPSK	15	LOW	Pass
Band5	3	825.5	QPSK	1	LOW	Pass
Band5	3	825.5	16QAM	15	LOW	Pass
Band5	3	825.5	16QAM	1	LOW	Pass
Band5	3	847.5	QPSK	15	LOW	Pass
Band5	3	847.5	QPSK	1	HIGH	Pass
Band5	3	847.5	16QAM	15	LOW	Pass
Band5	3	847.5	16QAM	1	HIGH	Pass
Band5	5	826.5	QPSK	25	LOW	Pass
Band5	5	826.5	QPSK	1	LOW	Pass
Band5	5	826.5	16QAM	25	LOW	Pass
Band5	5	826.5	16QAM	1	LOW	Pass
Band5	5	846.5	QPSK	25	LOW	Pass
Band5	5	846.5	QPSK	1	HIGH	Pass
Band5	5	846.5	16QAM	25	LOW	Pass
Band5	5	846.5	16QAM	1	HIGH	Pass

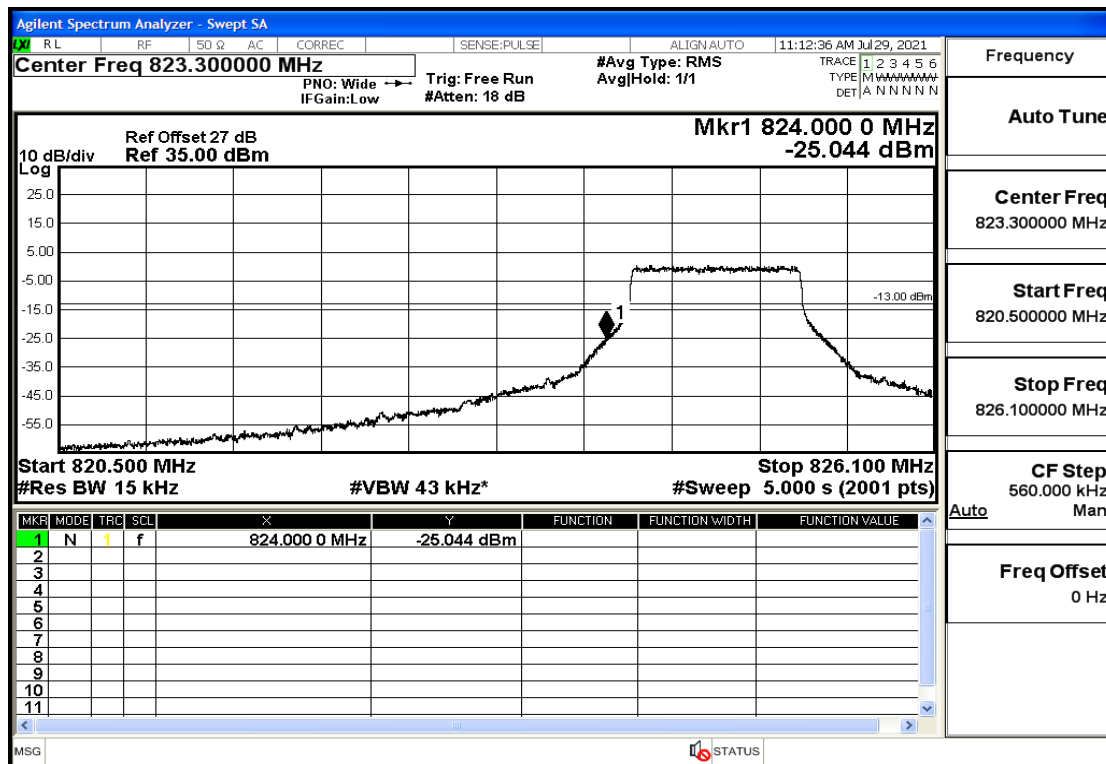
Band5-1.4-824.7-QPSK-6#LOW@Pass



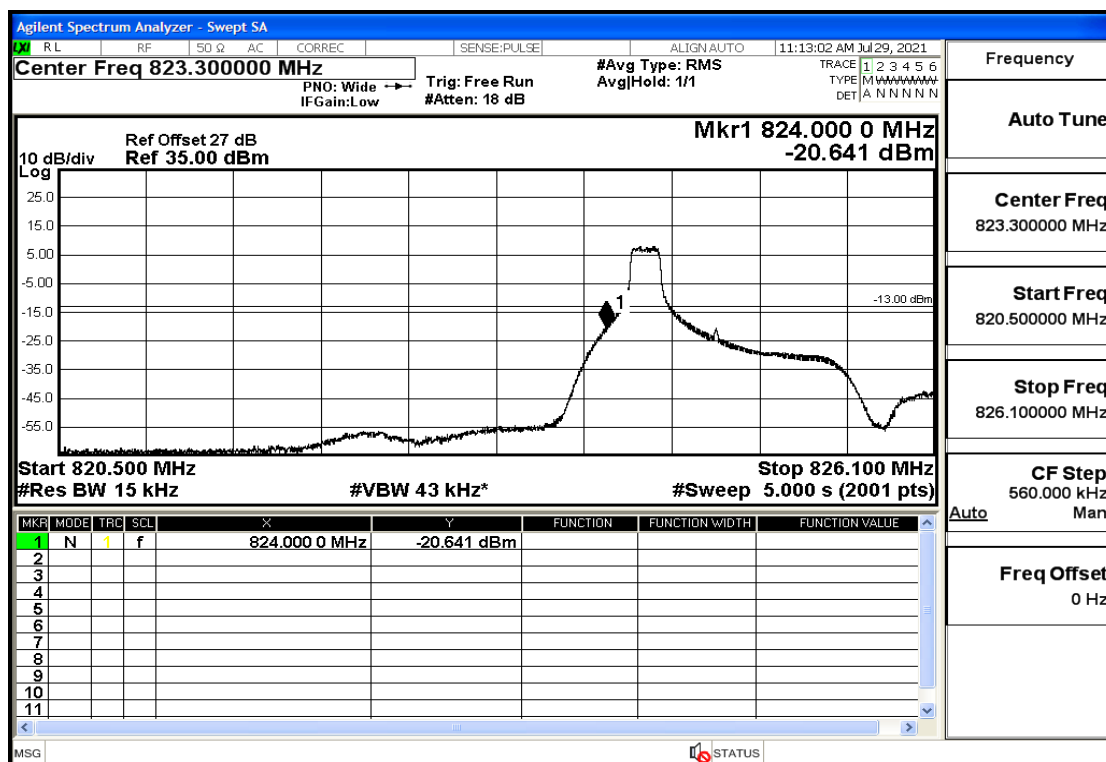
Band5-1.4-824.7-QPSK-1#LOW@Pass



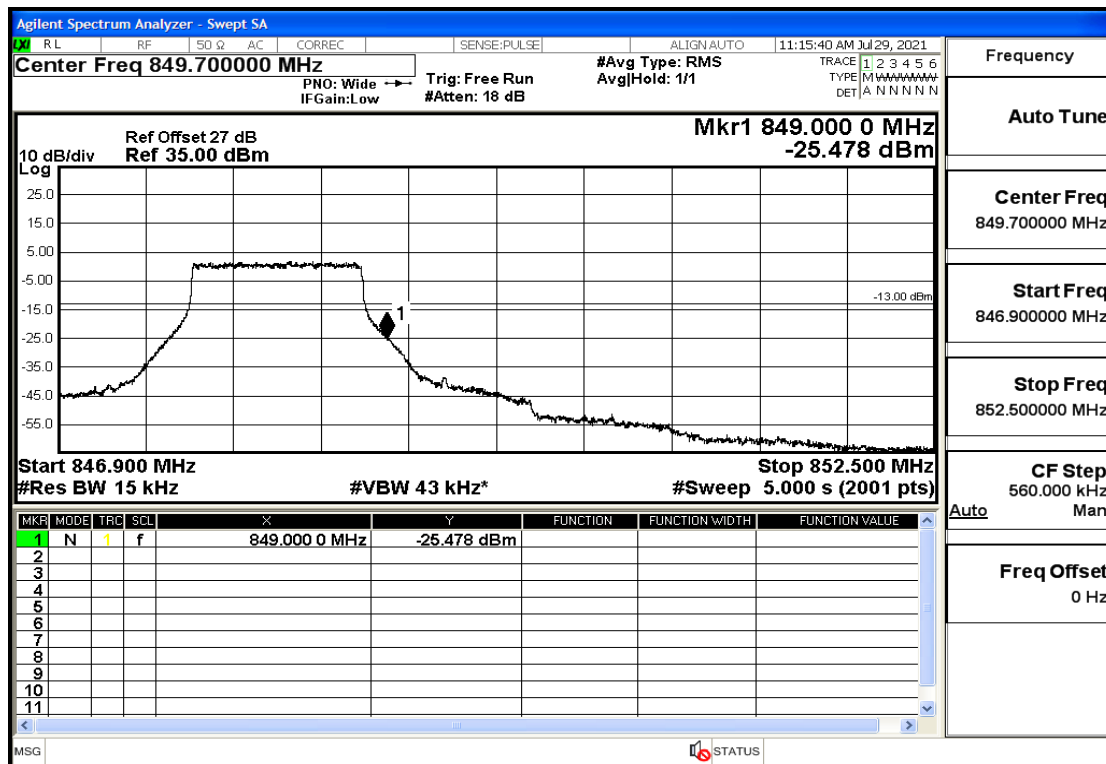
Band5-1.4-824.7-16QAM-6#LOW@Pass



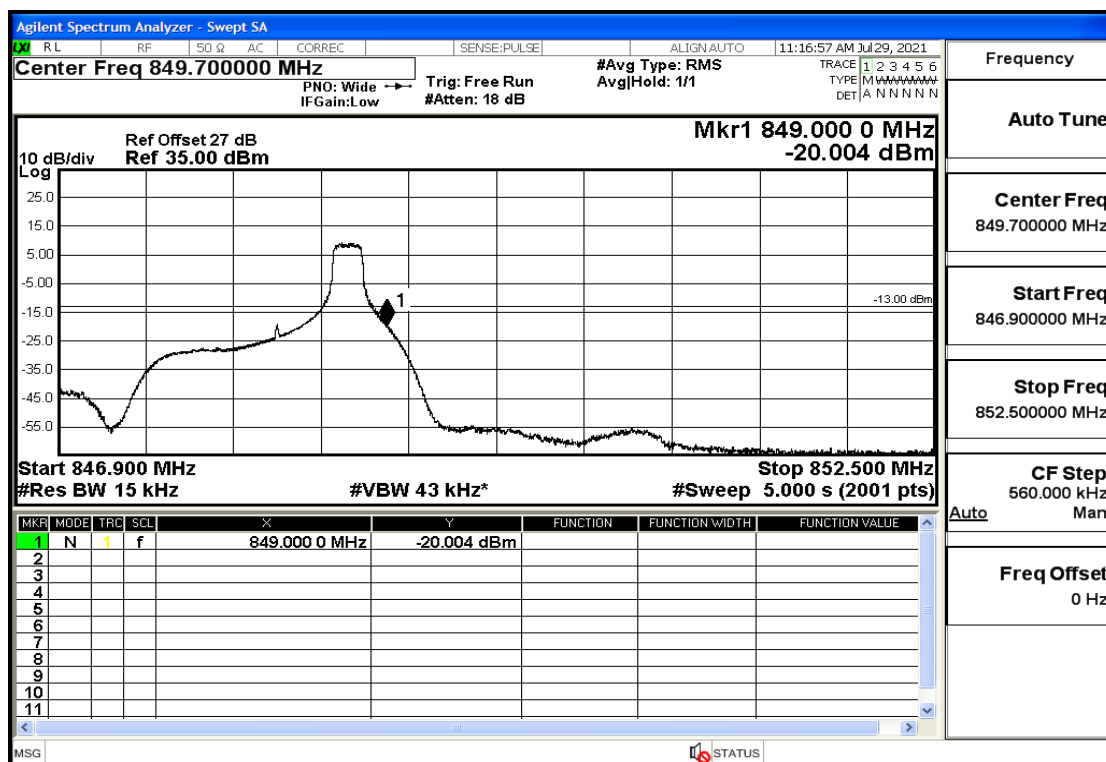
Band5-1.4-824.7-16QAM-1#LOW@Pass



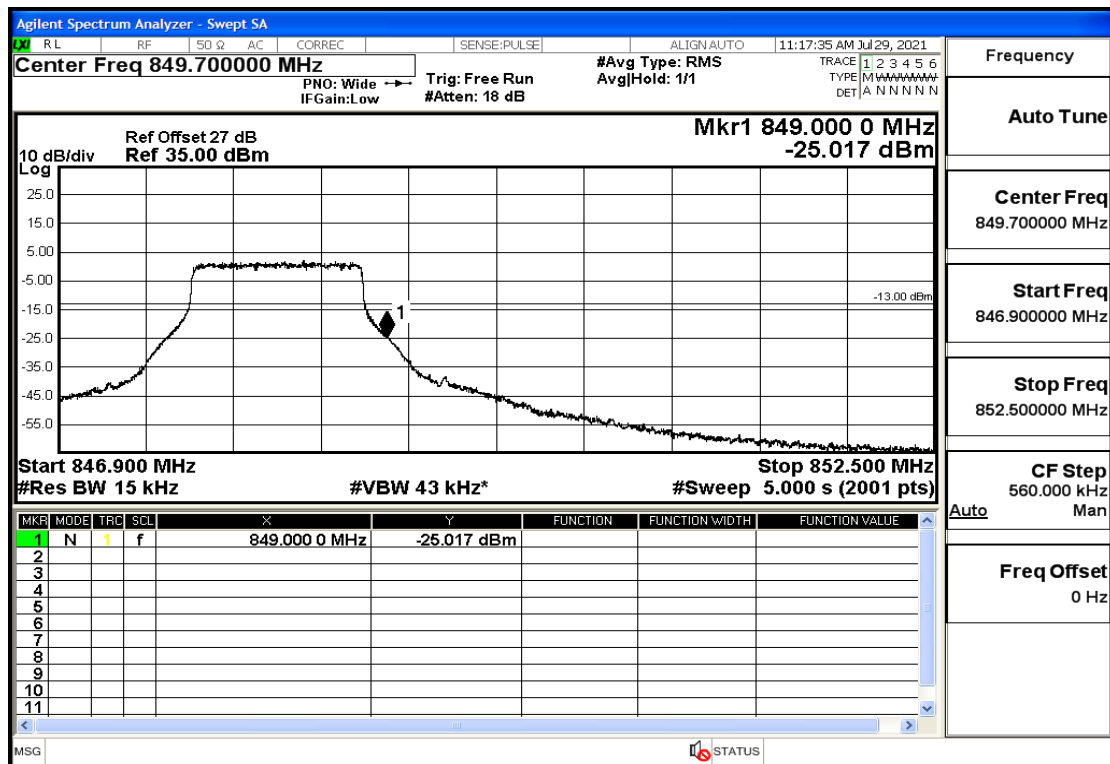
Band5-1.4-848.3-QPSK-6#LOW@Pass



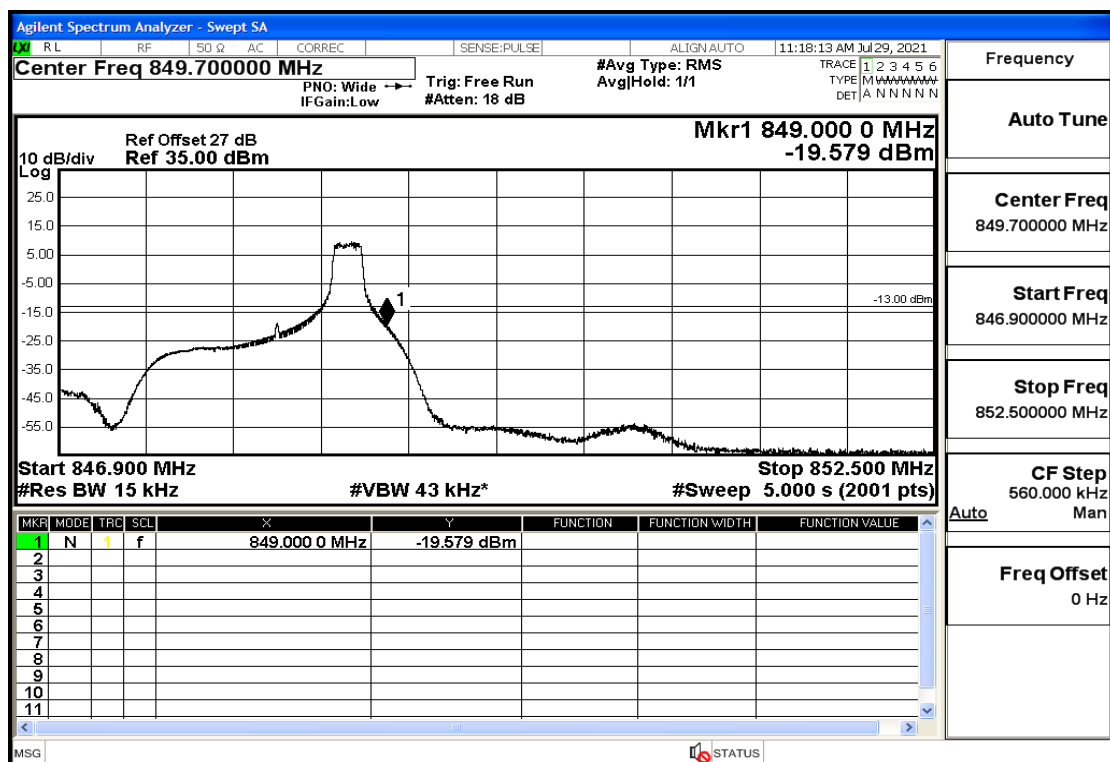
Band5-1.4-848.3-QPSK-1#HIGH@Pass



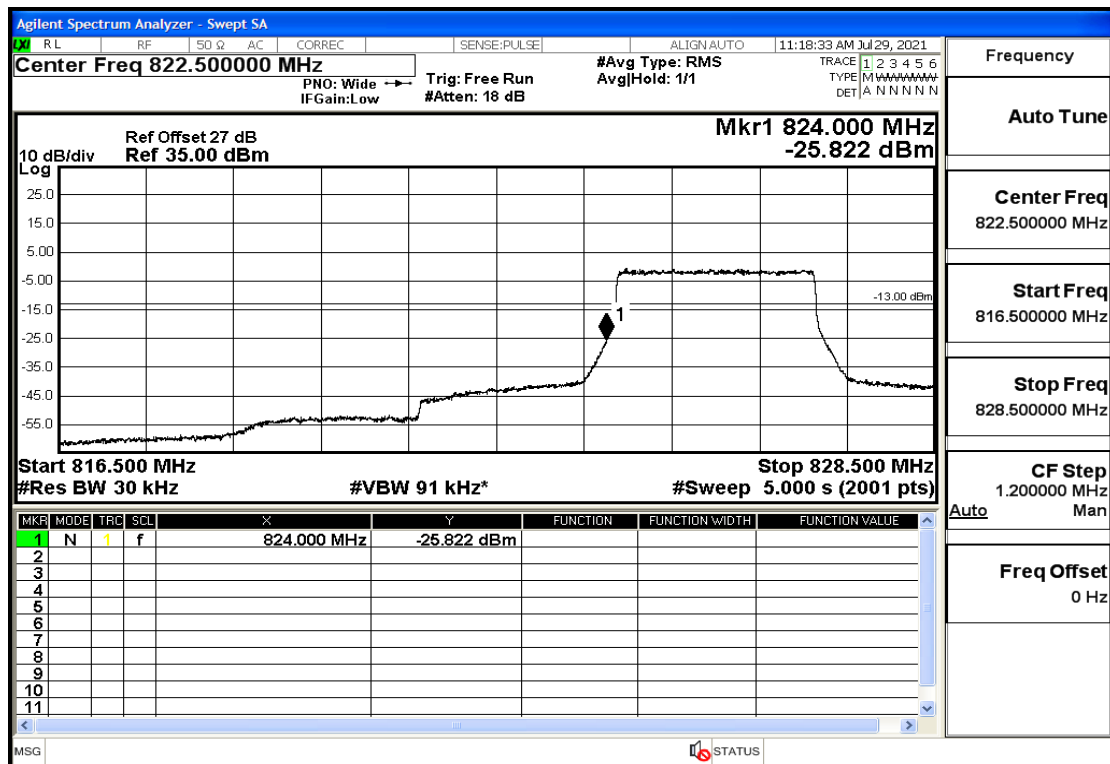
Band5-1.4-848.3-16QAM-6#LOW@Pass



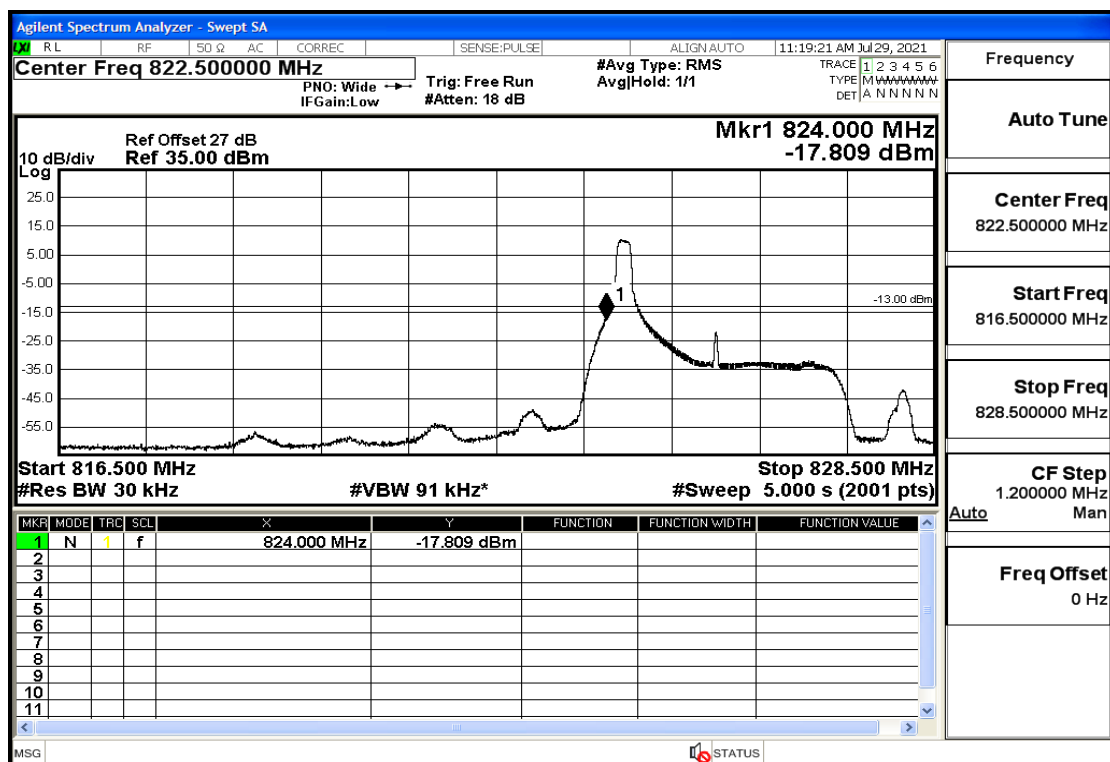
Band5-1.4-848.3-16QAM-1#HIGH@Pass



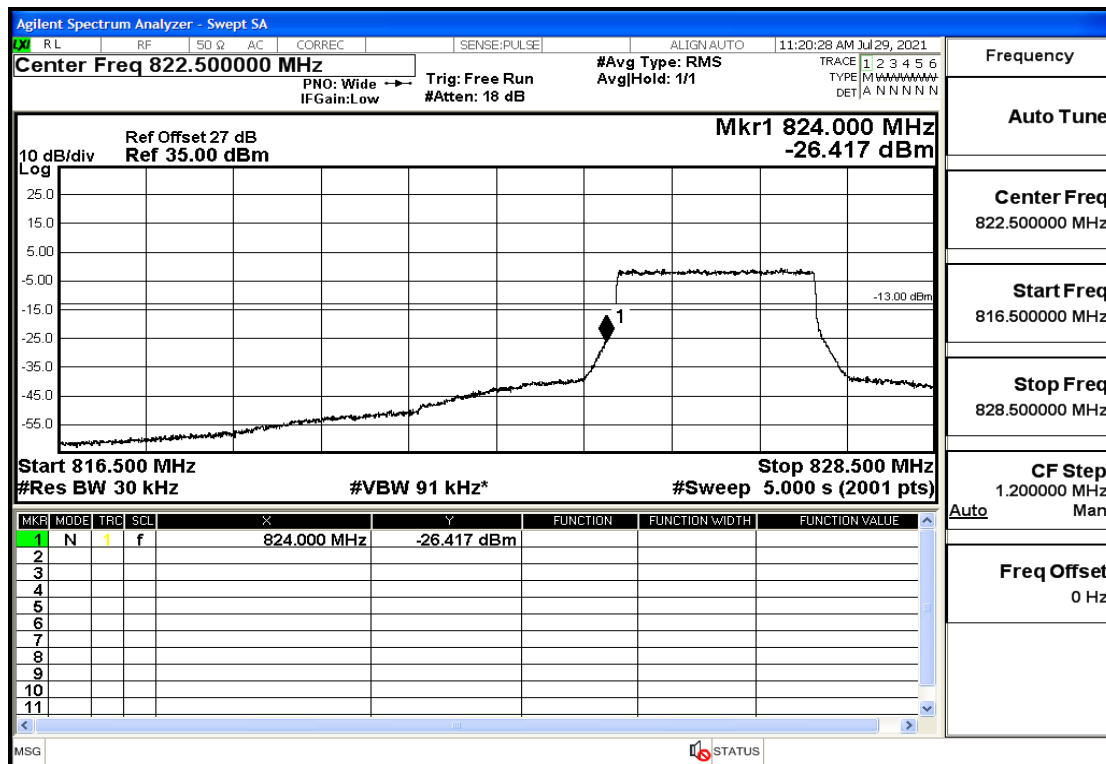
Band5-3-825.5-QPSK-15#LOW@Pass



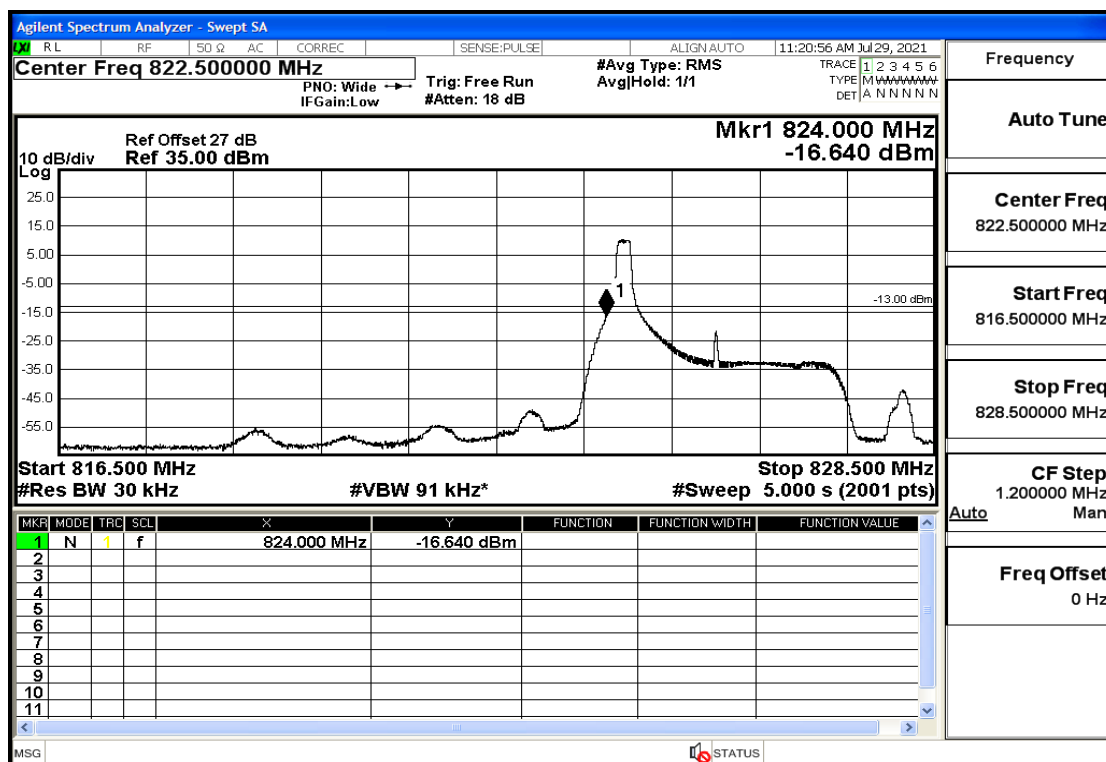
Band5-3-825.5-QPSK-1#LOW@Pass



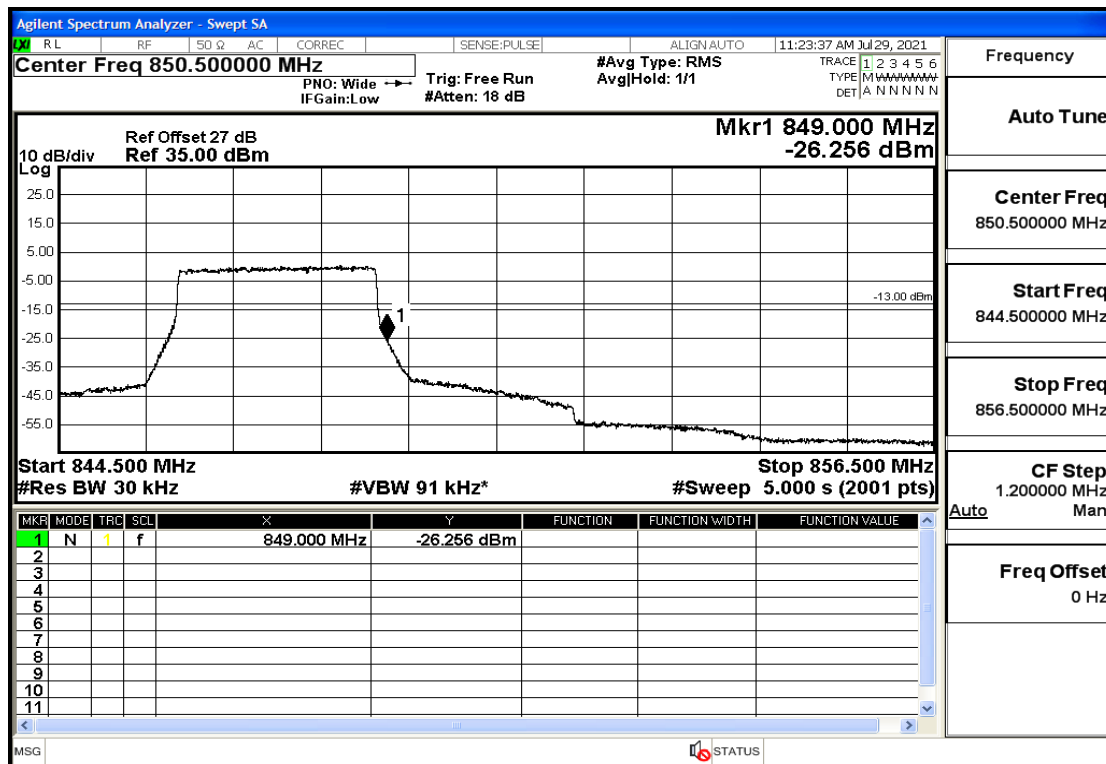
Band5-3-825.5-16QAM-15#LOW@Pass



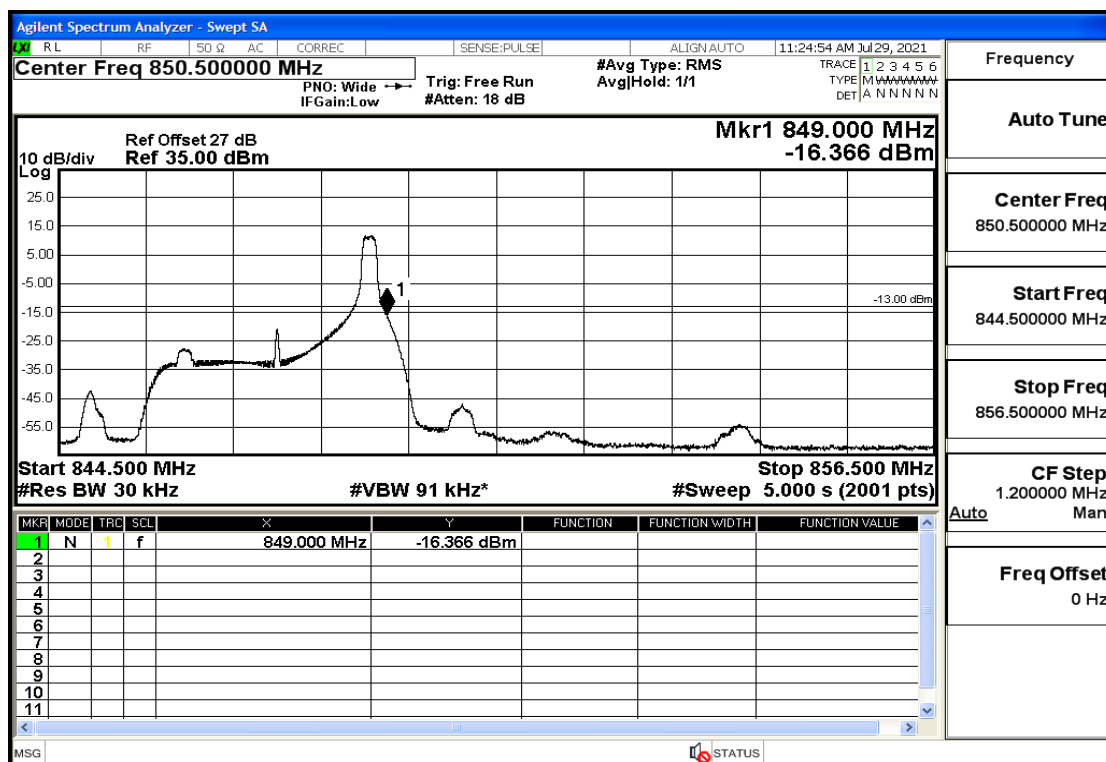
Band5-3-825.5-16QAM-1#LOW@Pass



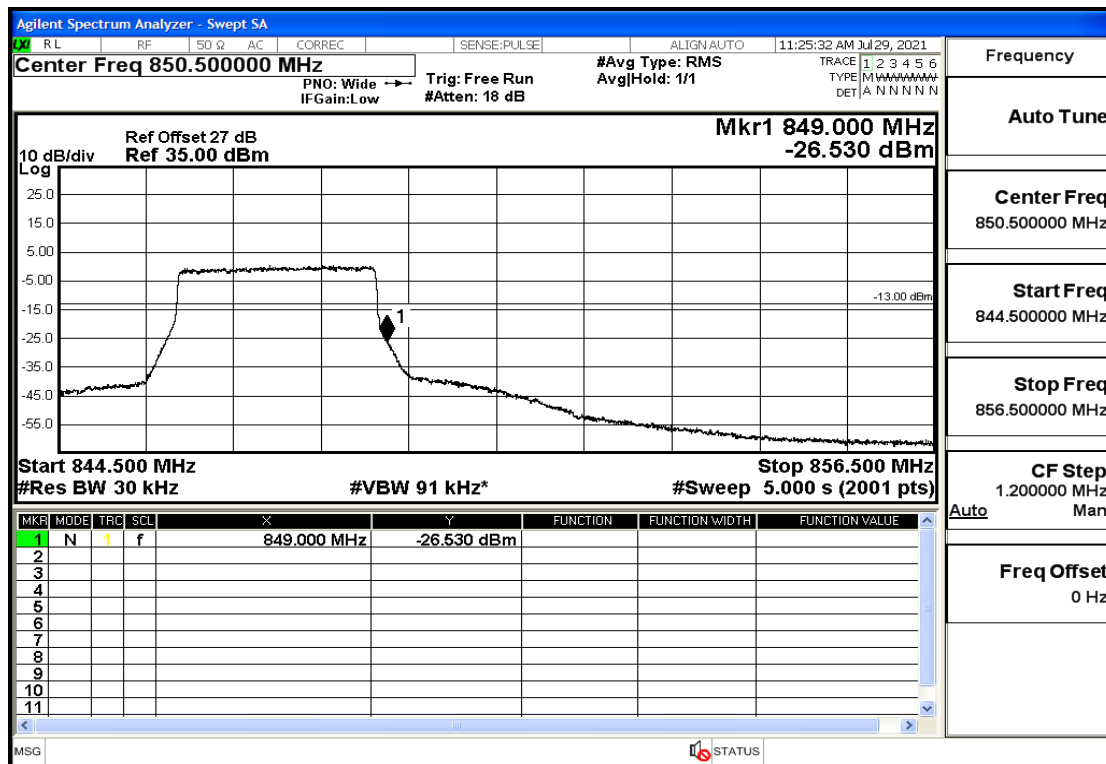
Band5-3-847.5-QPSK-15#LOW@Pass



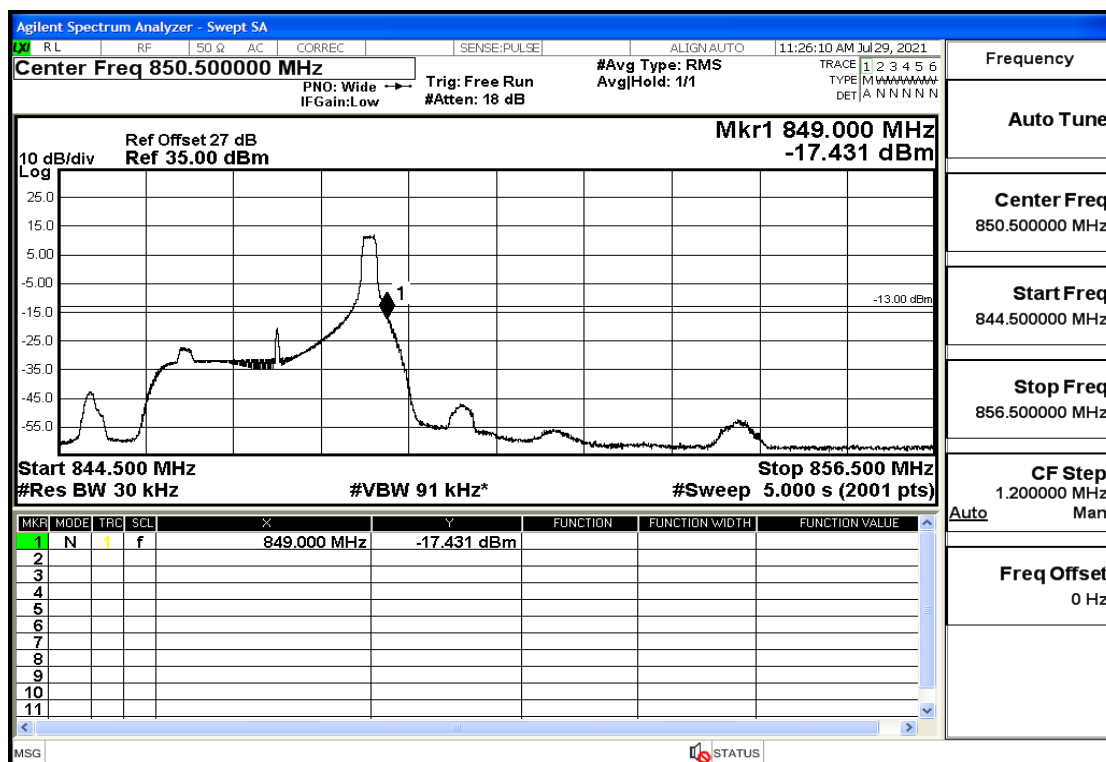
Band5-3-847.5-QPSK-1#HIGH@Pass



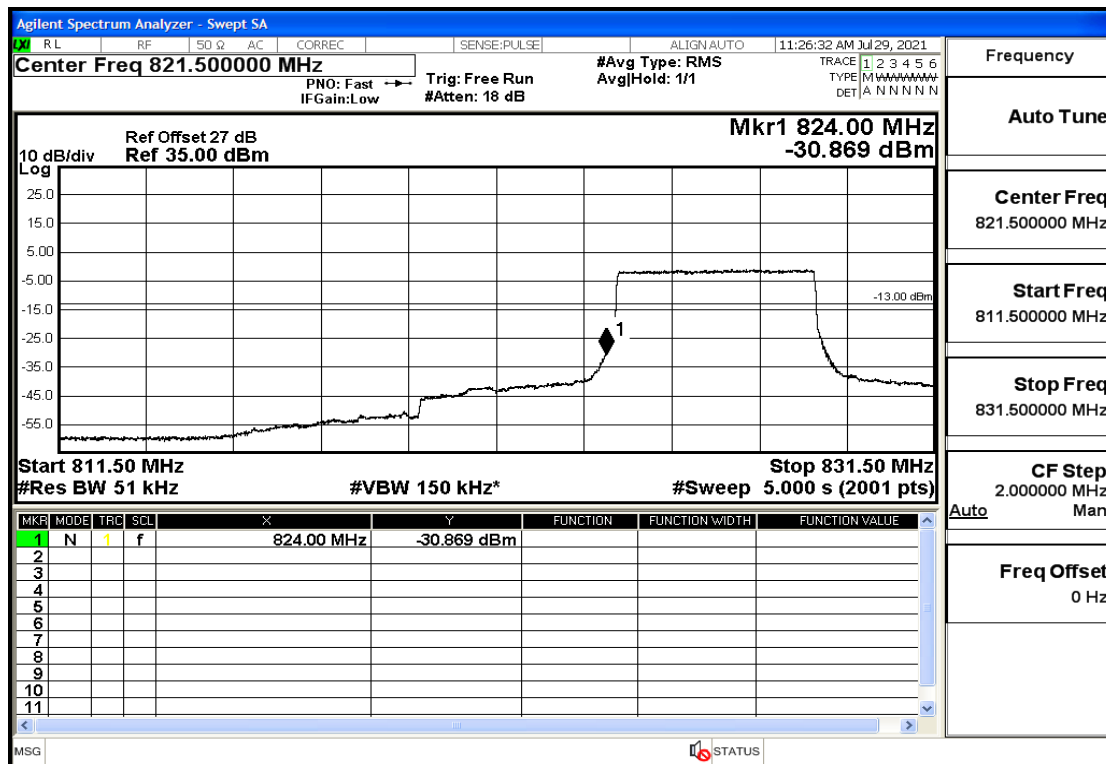
Band5-3-847.5-16QAM-15#LOW@Pass



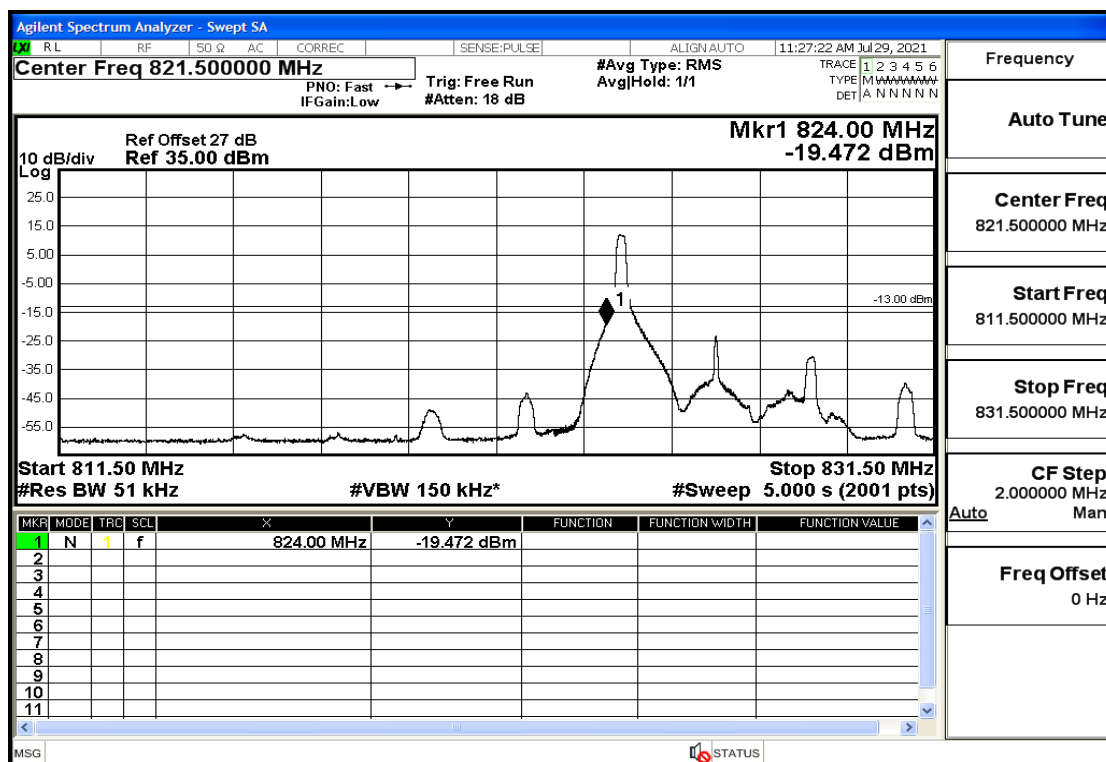
Band5-3-847.5-16QAM-1#HIGH@Pass



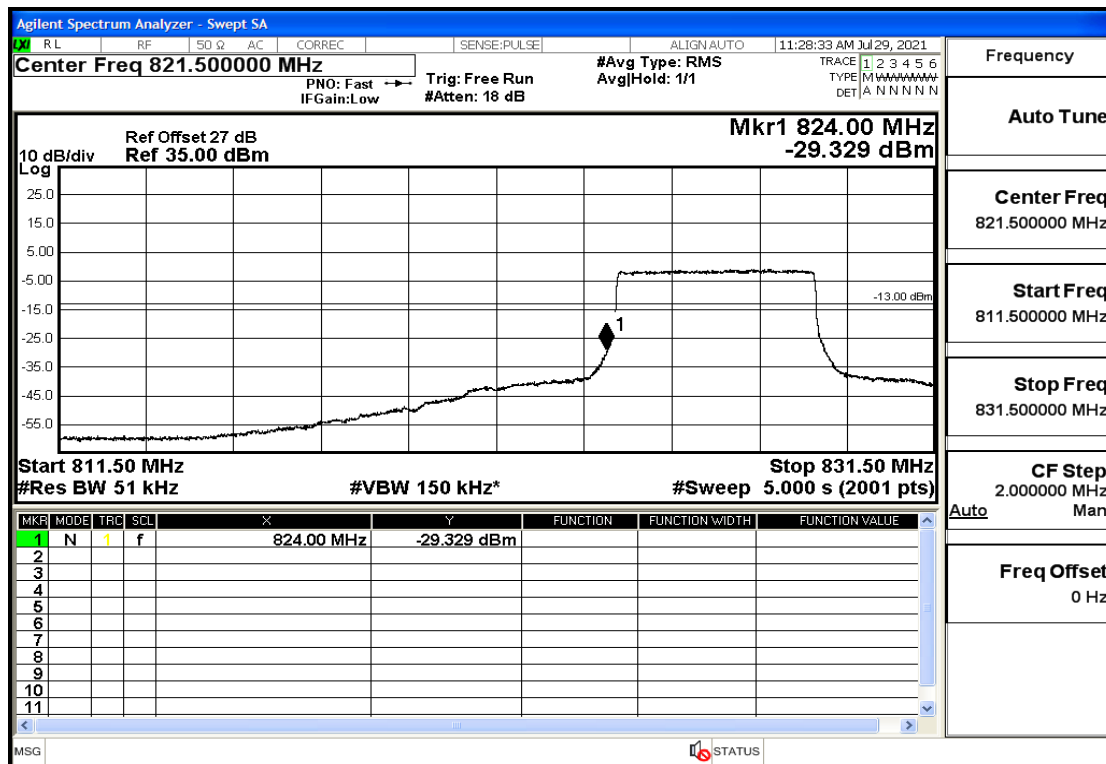
Band5-5-826.5-QPSK-25#LOW@Pass



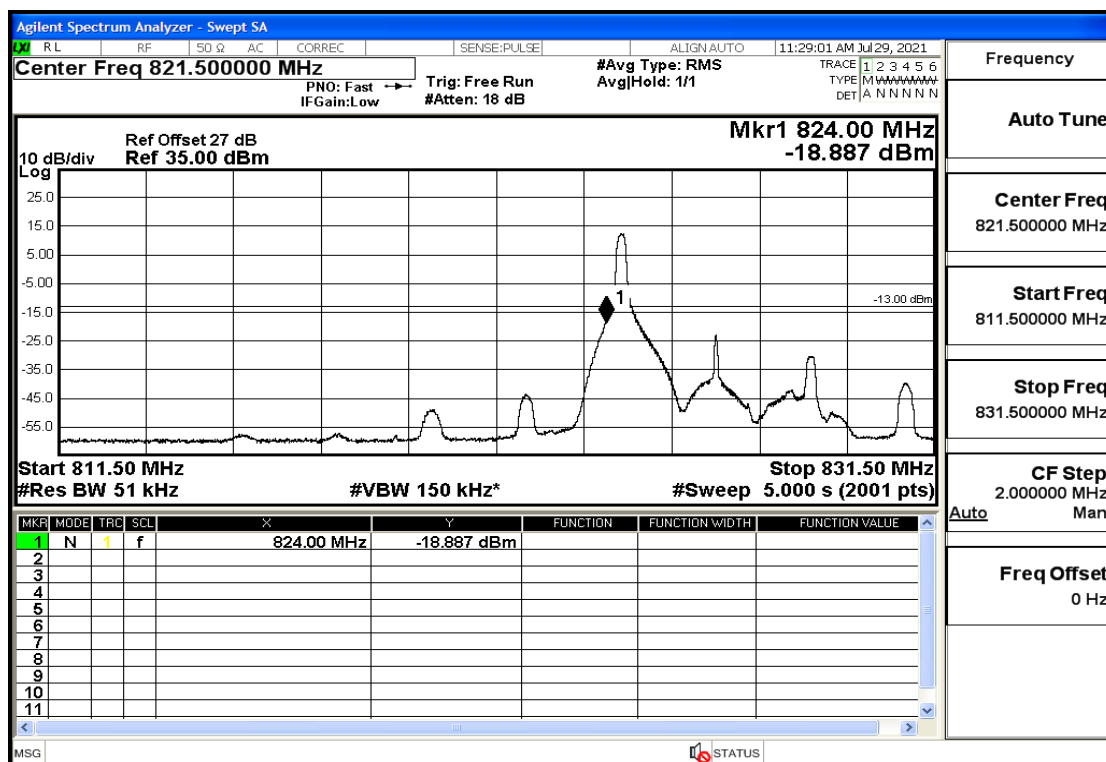
Band5-5-826.5-QPSK-1#LOW@Pass



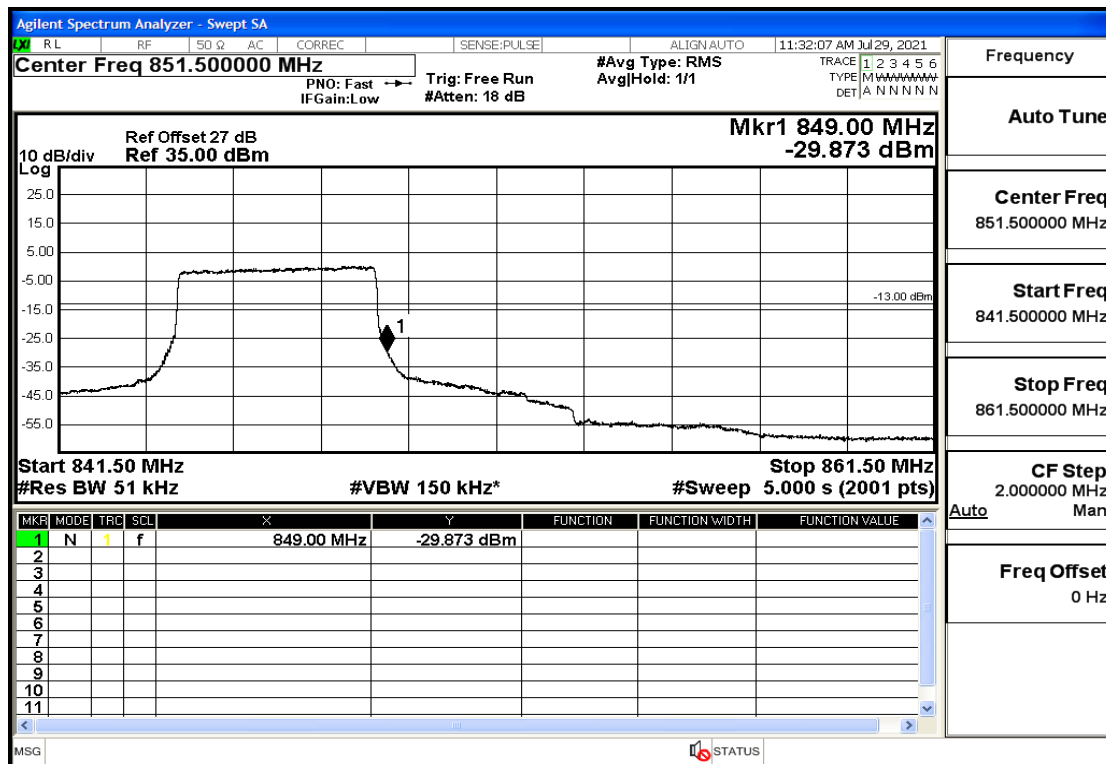
Band5-5-826.5-16QAM-25#LOW@Pass



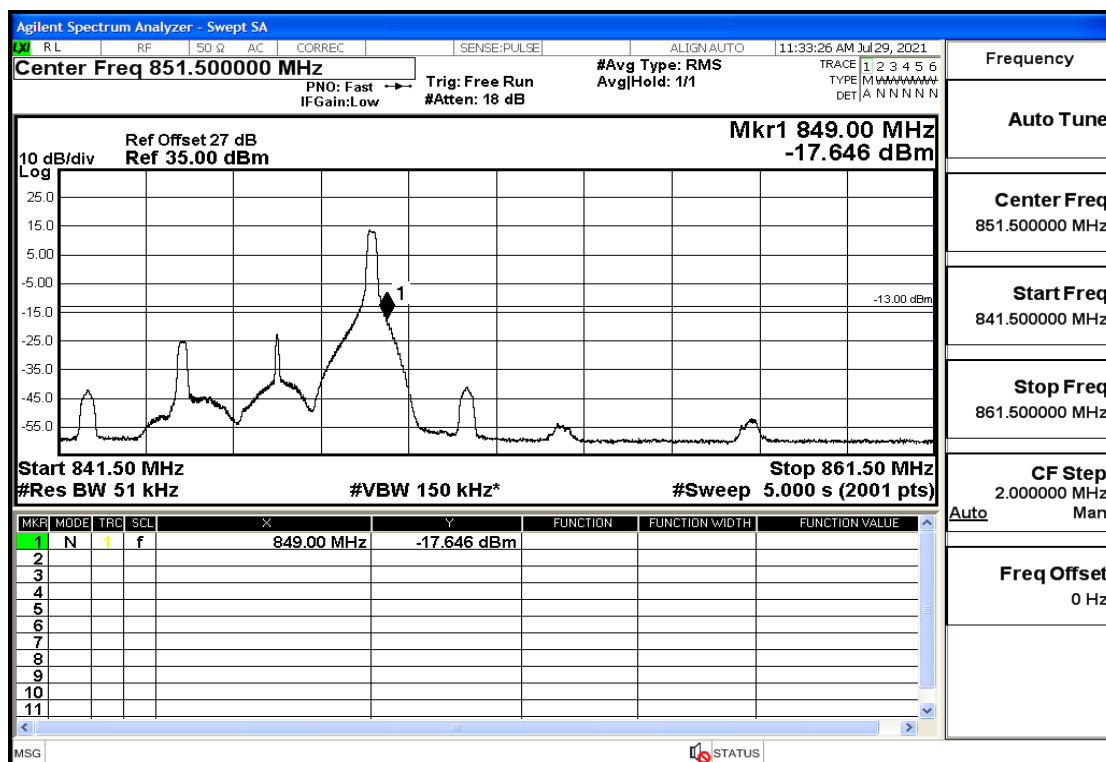
Band5-5-826.5-16QAM-1#LOW@Pass



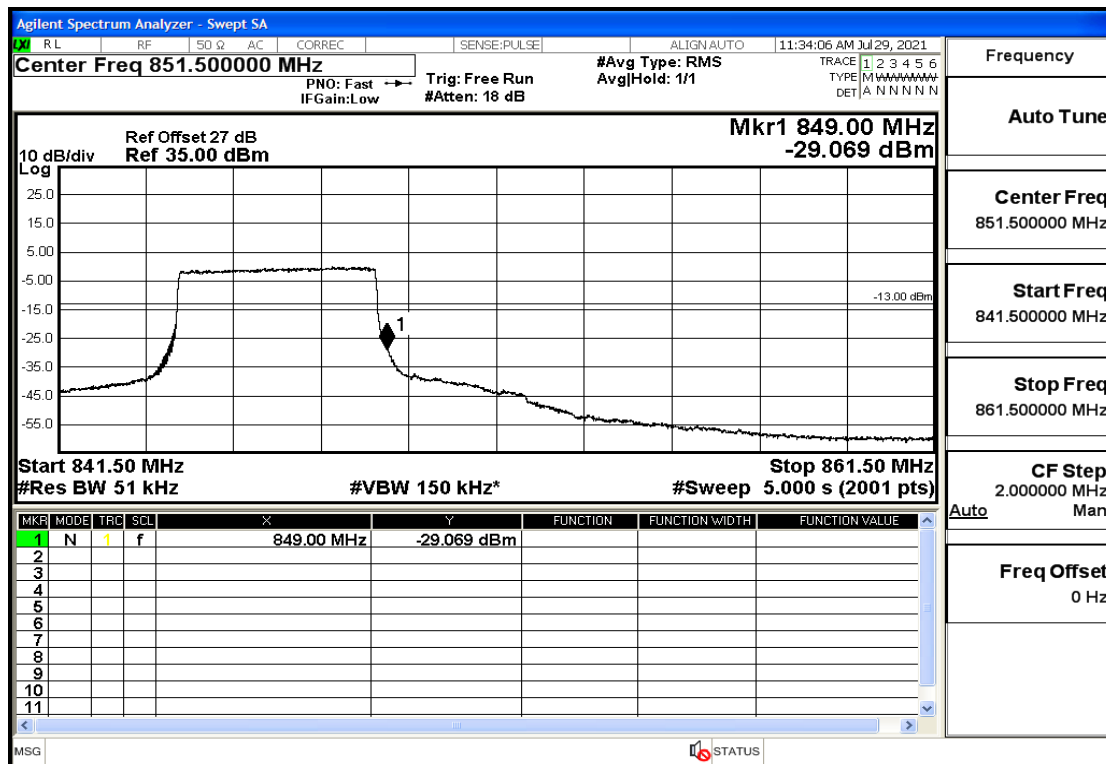
Band5-5-846.5-QPSK-25#LOW@Pass



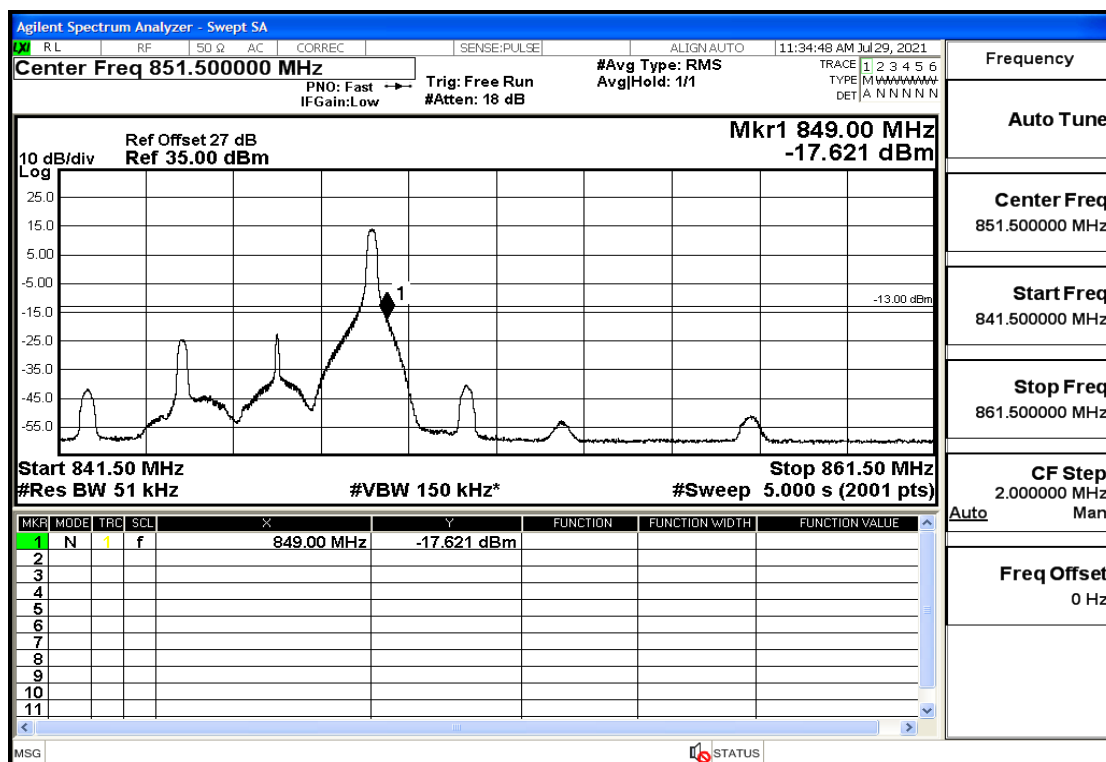
Band5-5-846.5-QPSK-1#HIGH@Pass



Band5-5-846.5-16QAM-25#LOW@Pass



Band5-5-846.5-16QAM-1#HIGH@Pass

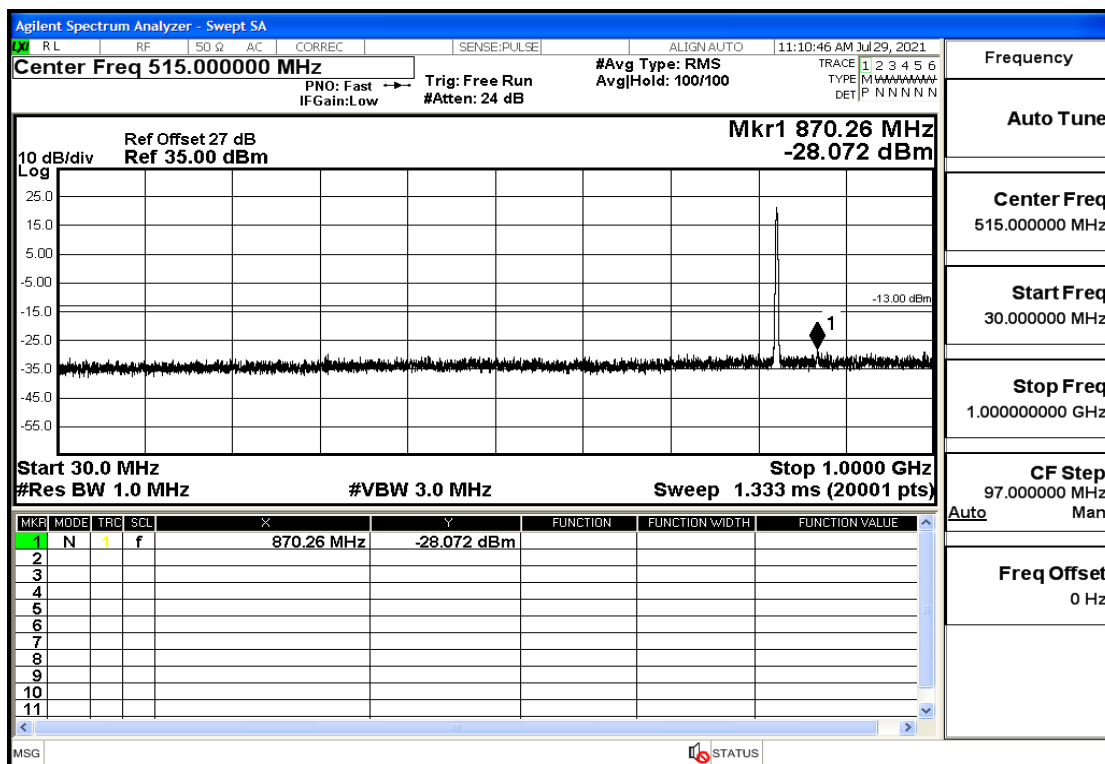


Conducted Spurious Emission

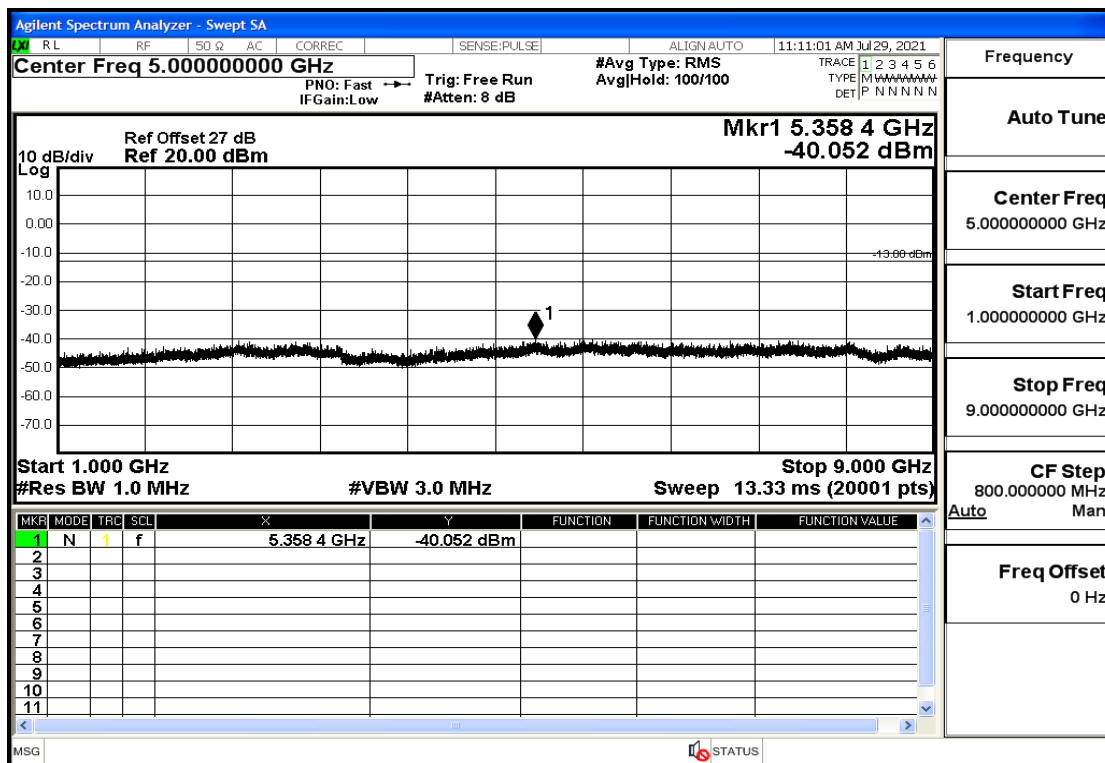
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Test Condition	Transmitter Spurious Emission(Pass/Fail)
OB5	1.4	824.7	QPSK	6	LOW	30mHz-1GHz	Pass
OB5	1.4	824.7	QPSK	6	LOW	1GHz-9GHz	Pass
OB5	1.4	824.7	QPSK	1	LOW	30mHz-1GHz	Pass
OB5	1.4	824.7	QPSK	1	LOW	1GHz-9GHz	Pass
OB5	1.4	824.7	QPSK	1	HIGH	30mHz-1GHz	Pass
OB5	1.4	824.7	QPSK	1	HIGH	1GHz-9GHz	Pass
OB5	1.4	836.5	QPSK	6	LOW	30mHz-1GHz	Pass
OB5	1.4	836.5	QPSK	6	LOW	1GHz-9GHz	Pass
OB5	1.4	836.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB5	1.4	836.5	QPSK	1	LOW	1GHz-9GHz	Pass
OB5	1.4	836.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB5	1.4	836.5	QPSK	1	HIGH	1GHz-9GHz	Pass
OB5	1.4	848.3	QPSK	6	LOW	30mHz-1GHz	Pass
OB5	1.4	848.3	QPSK	6	LOW	1GHz-9GHz	Pass
OB5	1.4	848.3	QPSK	1	LOW	30mHz-1GHz	Pass
OB5	1.4	848.3	QPSK	1	LOW	1GHz-9GHz	Pass
OB5	1.4	848.3	QPSK	1	HIGH	30mHz-1GHz	Pass
OB5	1.4	848.3	QPSK	1	HIGH	1GHz-9GHz	Pass
OB5	3	825.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB5	3	825.5	QPSK	15	LOW	1GHz-9GHz	Pass
OB5	3	825.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB5	3	825.5	QPSK	1	LOW	1GHz-9GHz	Pass
OB5	3	825.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB5	3	825.5	QPSK	1	HIGH	1GHz-9GHz	Pass
OB5	3	836.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB5	3	836.5	QPSK	15	LOW	1GHz-9GHz	Pass
OB5	3	836.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB5	3	836.5	QPSK	1	LOW	1GHz-9GHz	Pass
OB5	3	836.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB5	3	836.5	QPSK	1	HIGH	1GHz-9GHz	Pass
OB5	3	847.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB5	3	847.5	QPSK	15	LOW	1GHz-9GHz	Pass
OB5	3	847.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB5	3	847.5	QPSK	1	LOW	1GHz-9GHz	Pass
OB5	3	847.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB5	3	847.5	QPSK	1	HIGH	1GHz-9GHz	Pass
OB5	5	826.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB5	5	826.5	QPSK	25	LOW	1GHz-9GHz	Pass
OB5	5	826.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB5	5	826.5	QPSK	1	LOW	1GHz-9GHz	Pass

OB5	5	826.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB5	5	826.5	QPSK	1	HIGH	1GHz-9GHz	Pass
OB5	5	836.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB5	5	836.5	QPSK	25	LOW	1GHz-9GHz	Pass
OB5	5	836.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB5	5	836.5	QPSK	1	LOW	1GHz-9GHz	Pass
OB5	5	836.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB5	5	836.5	QPSK	1	HIGH	1GHz-9GHz	Pass
OB5	5	846.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB5	5	846.5	QPSK	25	LOW	1GHz-9GHz	Pass
OB5	5	846.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB5	5	846.5	QPSK	1	LOW	1GHz-9GHz	Pass
OB5	5	846.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB5	5	846.5	QPSK	1	HIGH	1GHz-9GHz	Pass

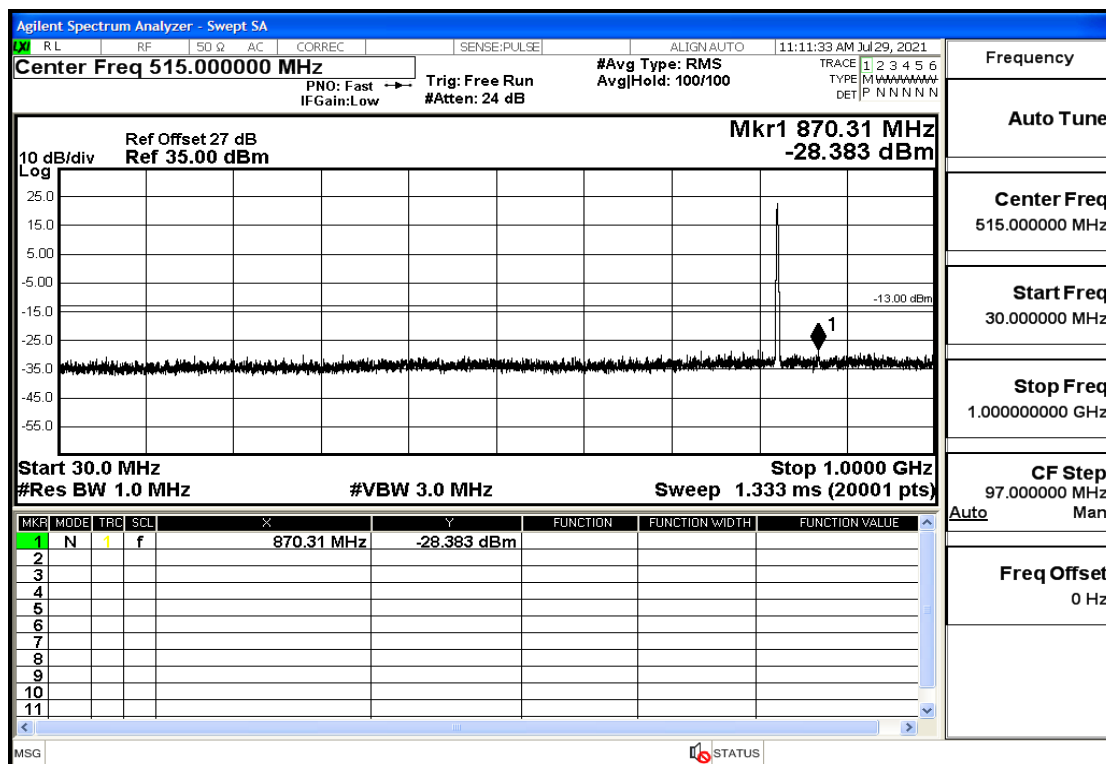
OB5-1.4-824.7-QPSK-6#LOW@30mHz-1GHz@Pass



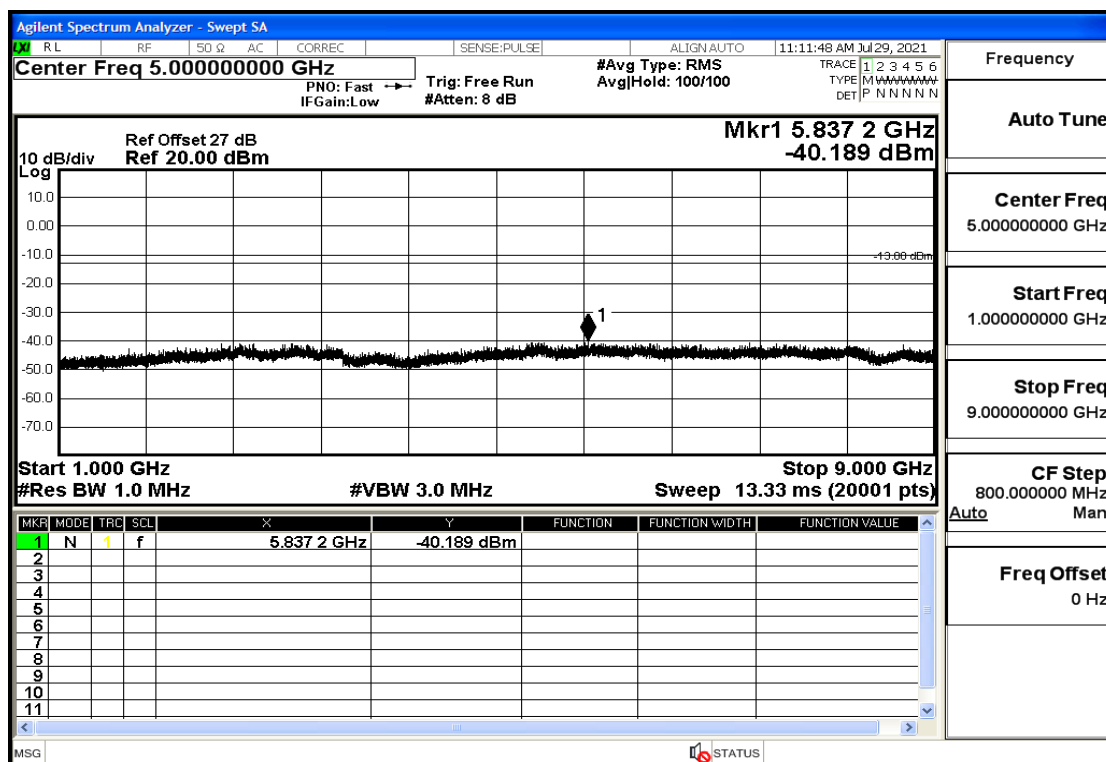
OB5-1.4-824.7-QPSK-6#LOW@1GHz-9GHz@Pass



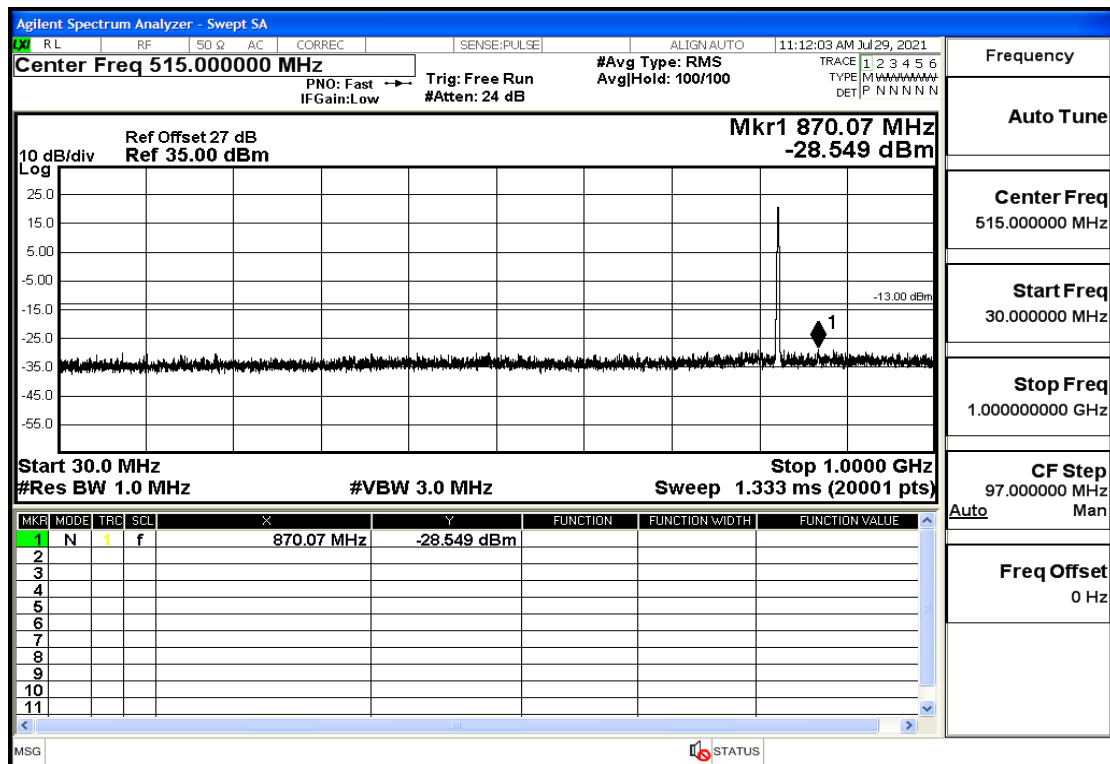
OB5-1.4-824.7-QPSK-1#LOW@30mHz-1GHz@Pass



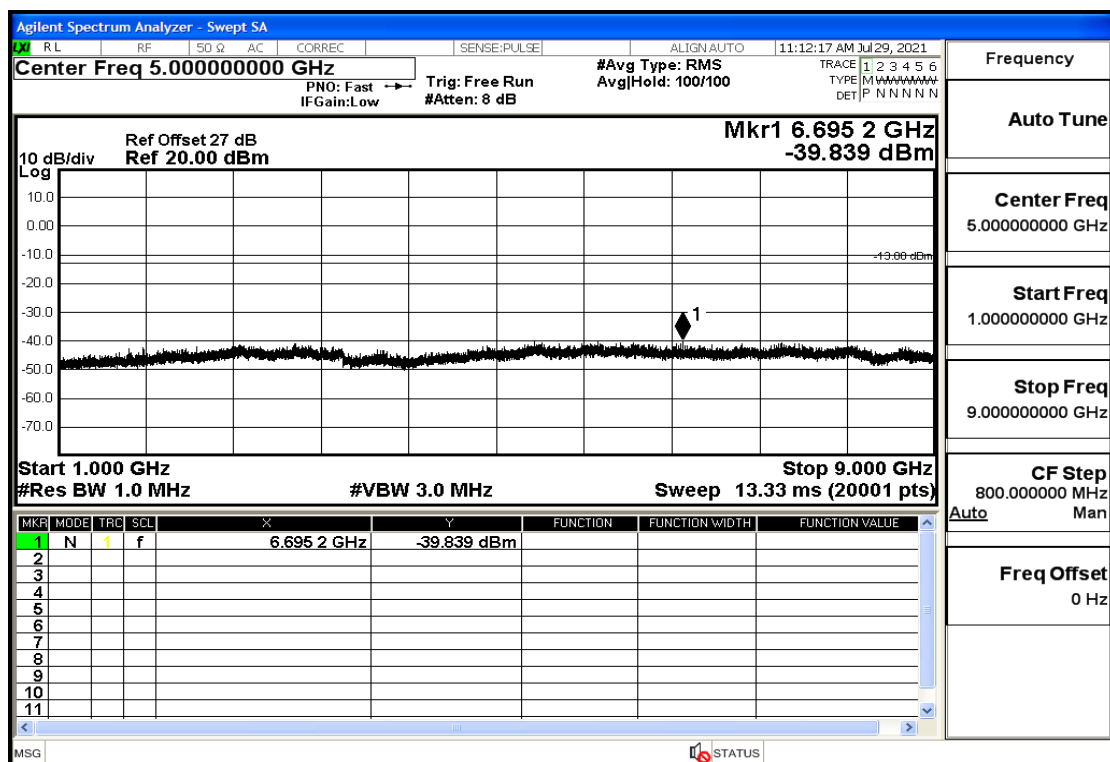
OB5-1.4-824.7-QPSK-1#LOW@1GHz-9GHz@Pass



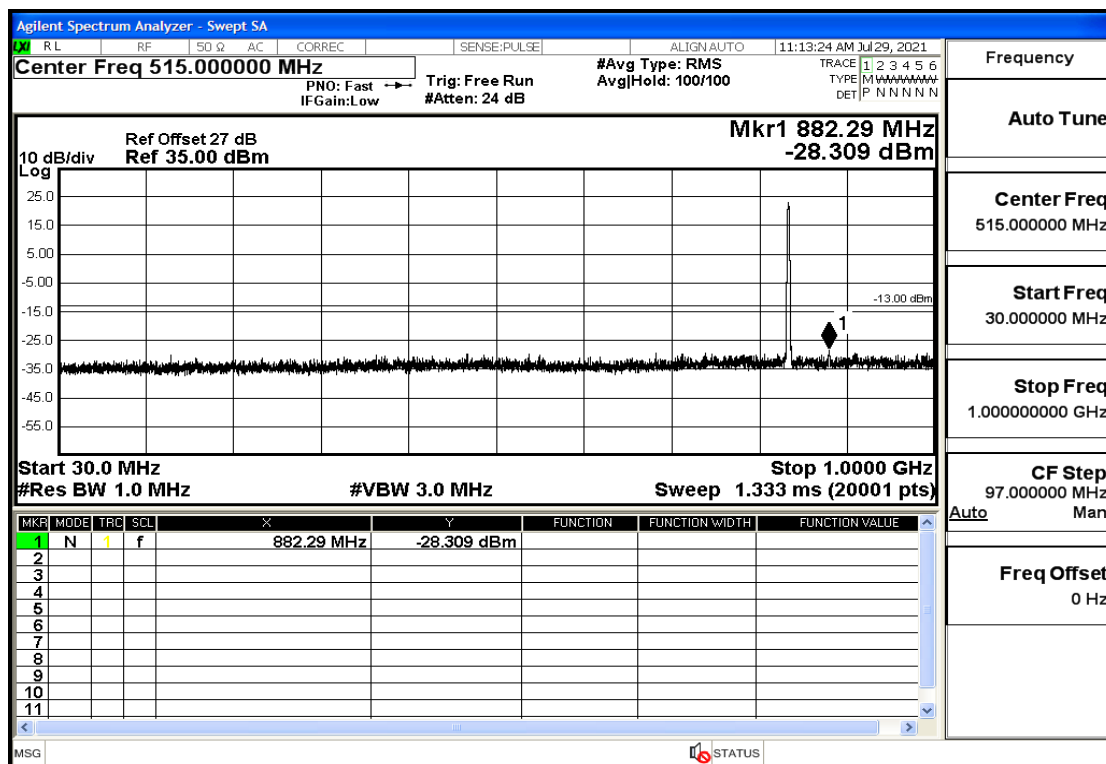
OB5-1.4-824.7-QPSK-1#HIGH@30MHz-1GHz@Pass



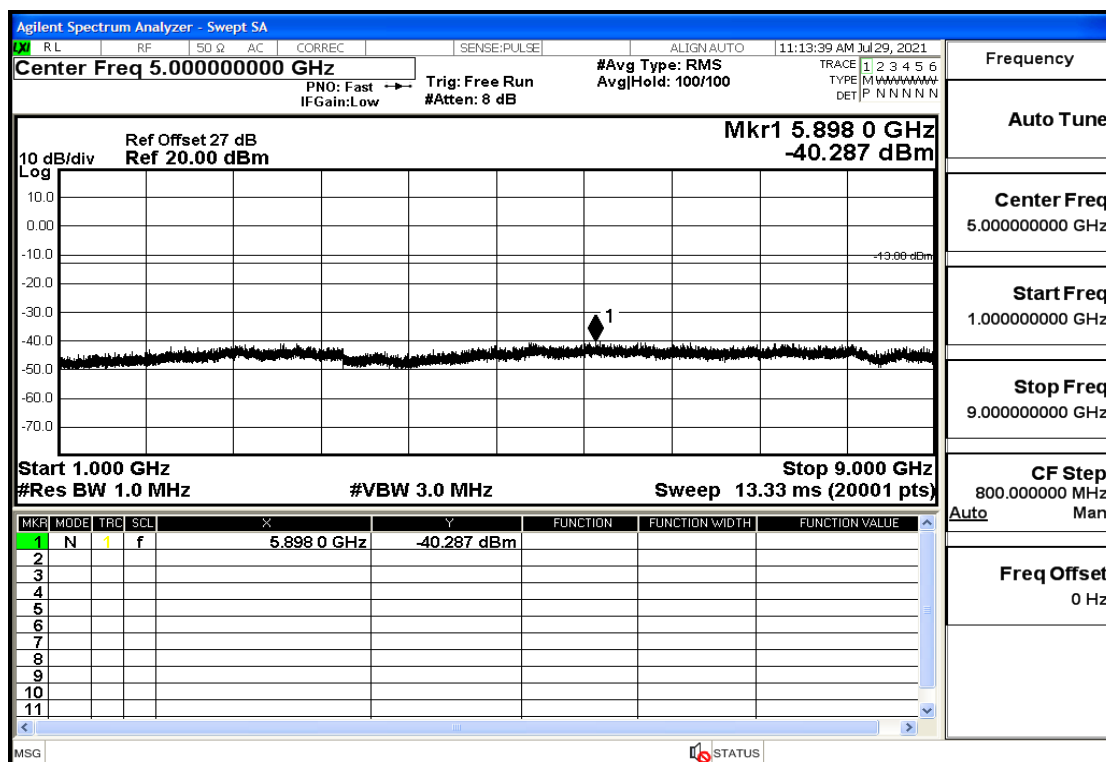
OB5-1.4-824.7-QPSK-1#HIGH@1GHz-9GHz@Pass



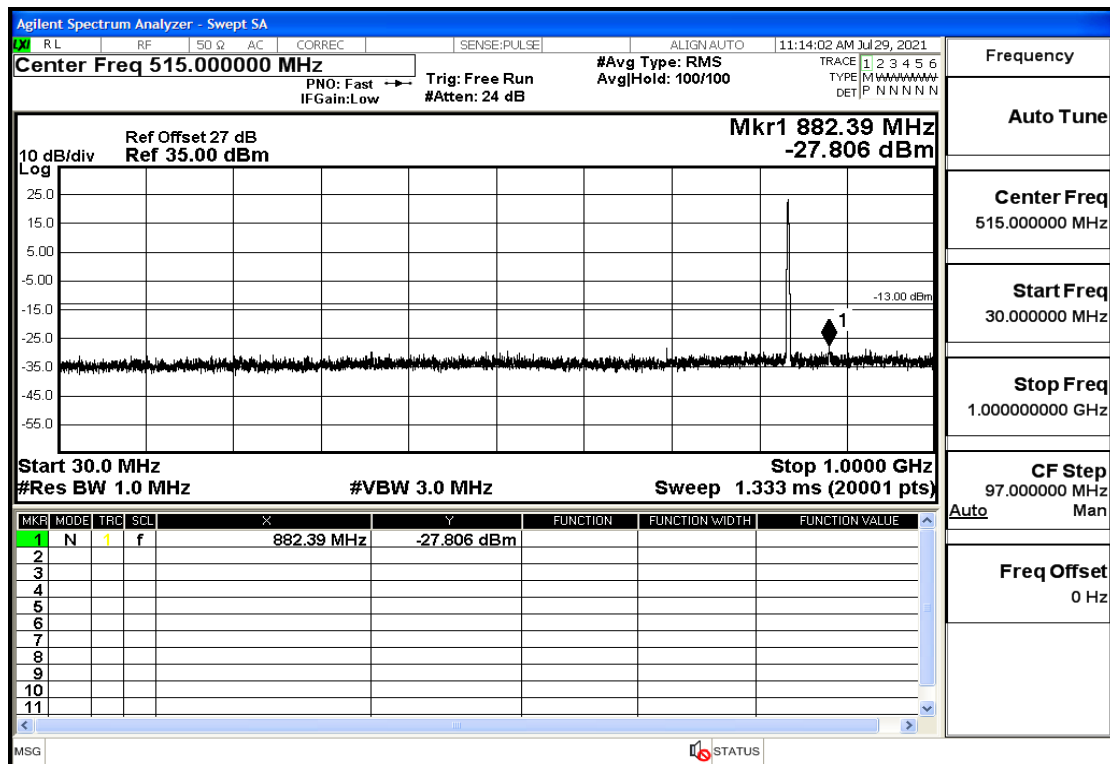
OB5-1.4-836.5-QPSK-6#LOW@30mHz-1GHz@Pass



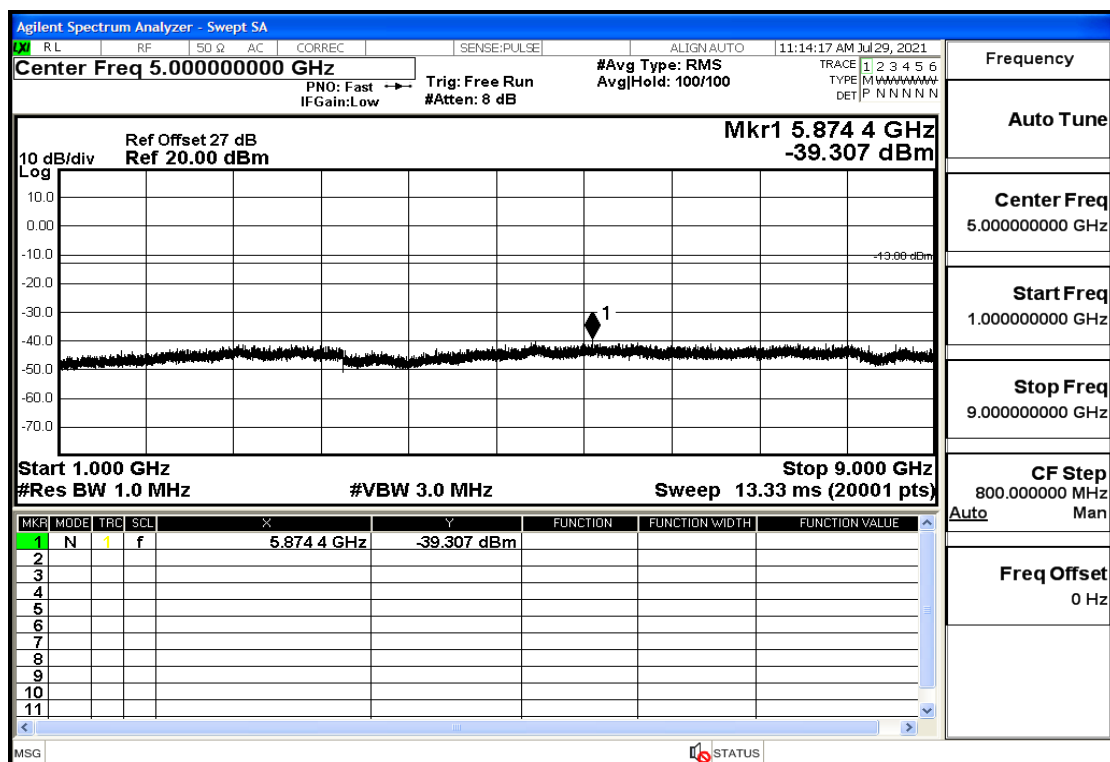
OB5-1.4-836.5-QPSK-6#LOW@1GHz-9GHz@Pass



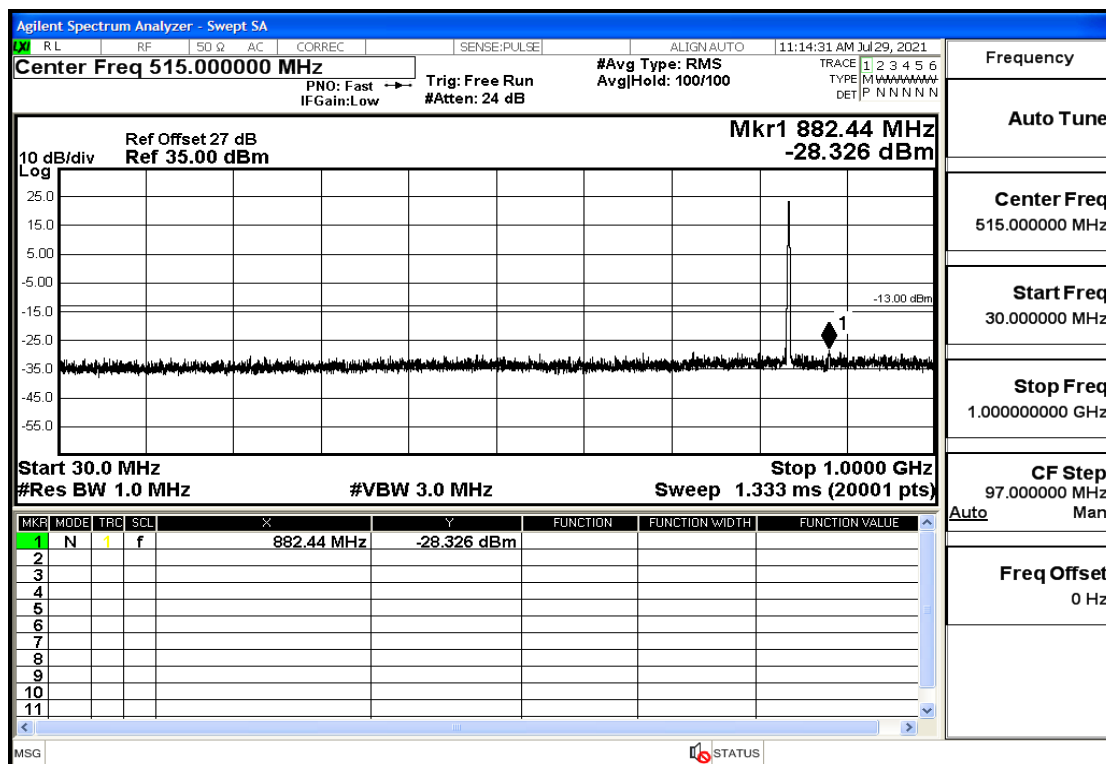
OB5-1.4-836.5-QPSK-1#LOW@30mHz-1GHz@Pass



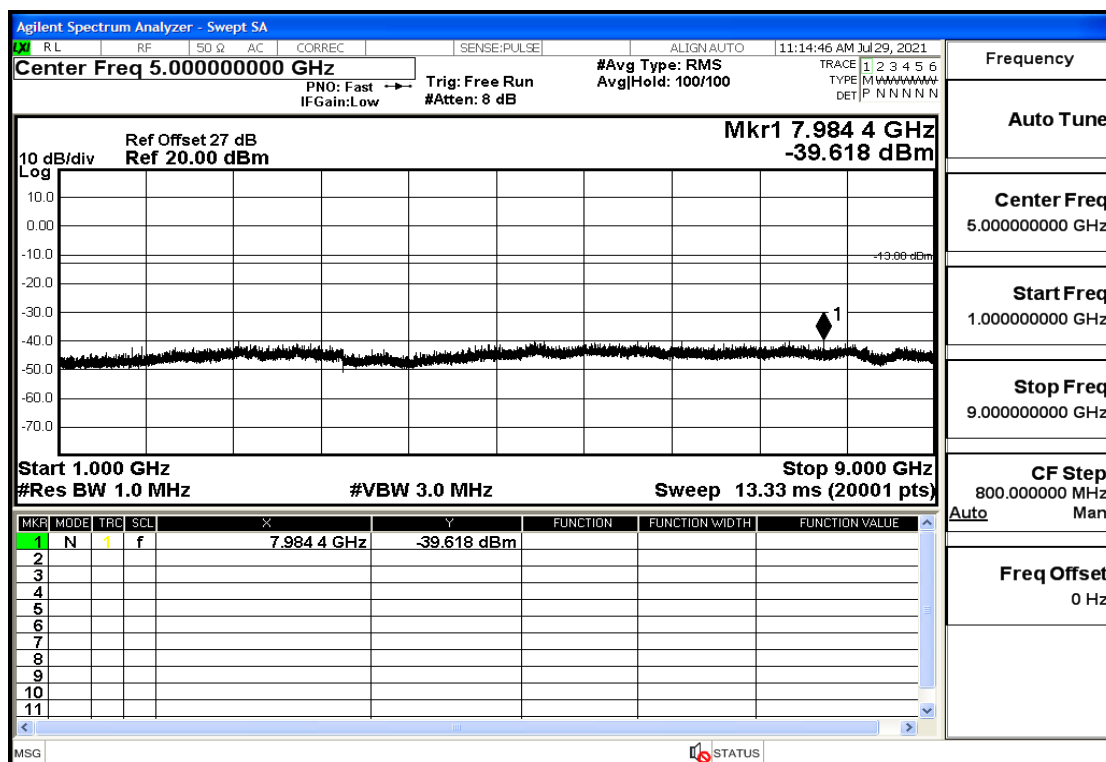
OB5-1.4-836.5-QPSK-1#LOW@1GHz-9GHz@Pass



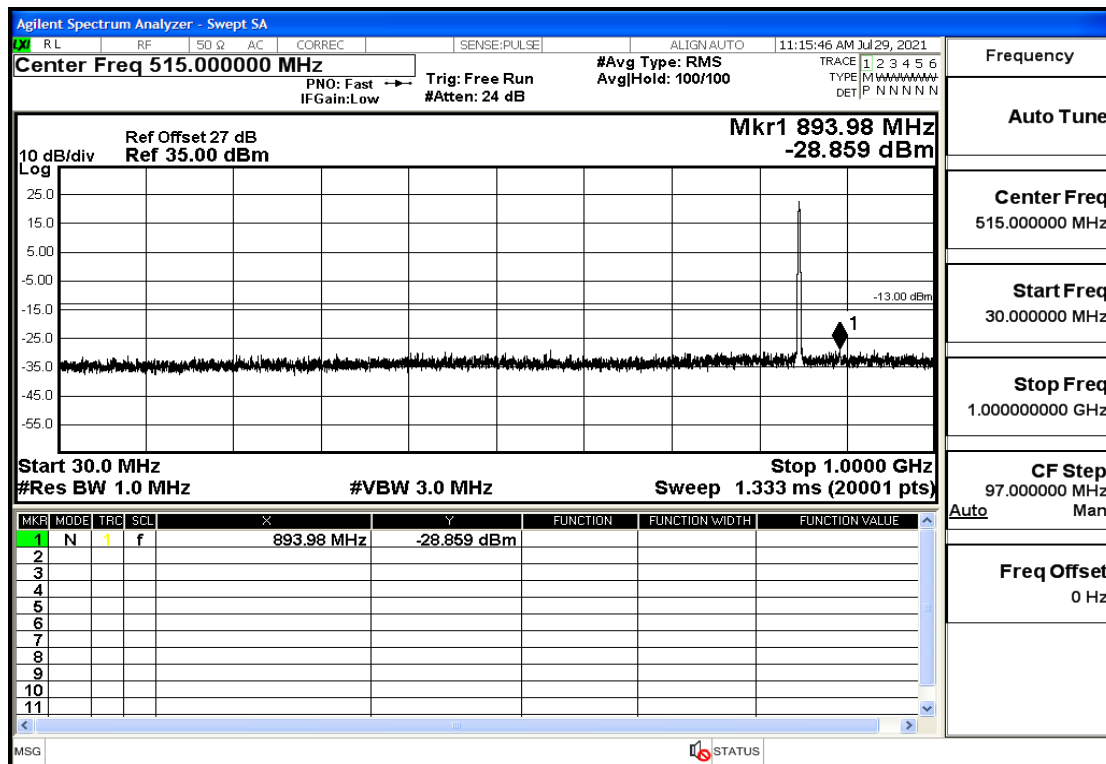
OB5-1.4-836.5-QPSK-1#HIGH@30MHz-1GHz@Pass



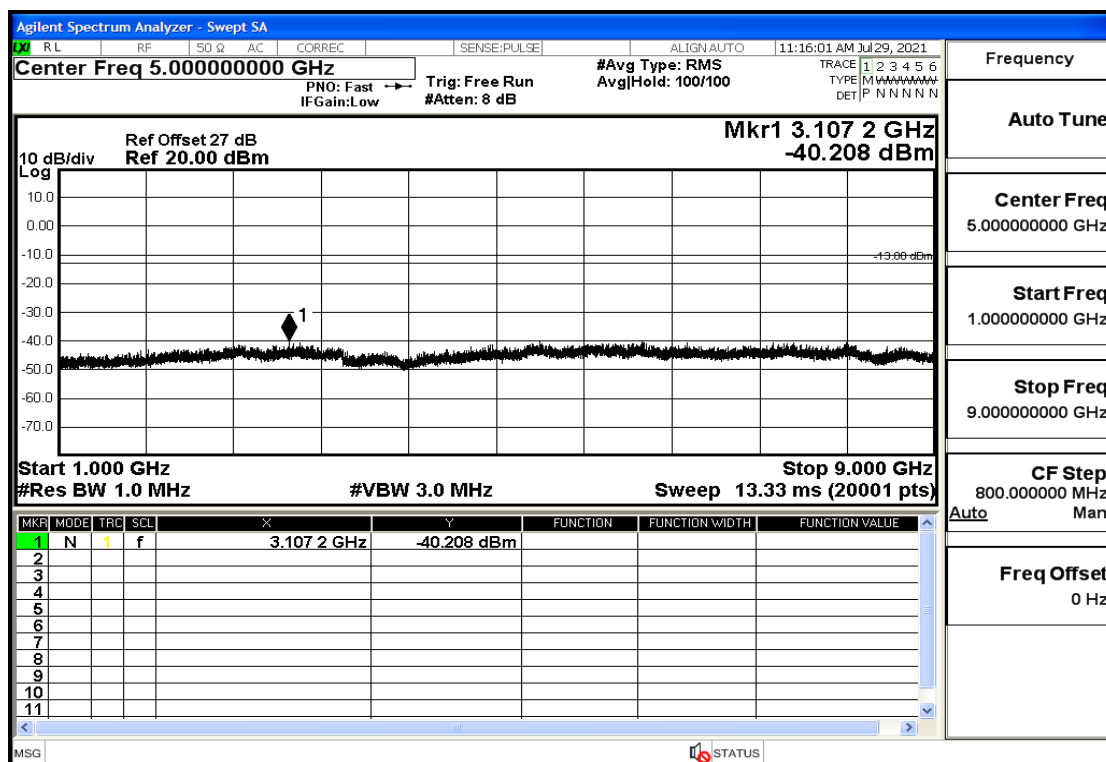
OB5-1.4-836.5-QPSK-1#HIGH@1GHz-9GHz@Pass



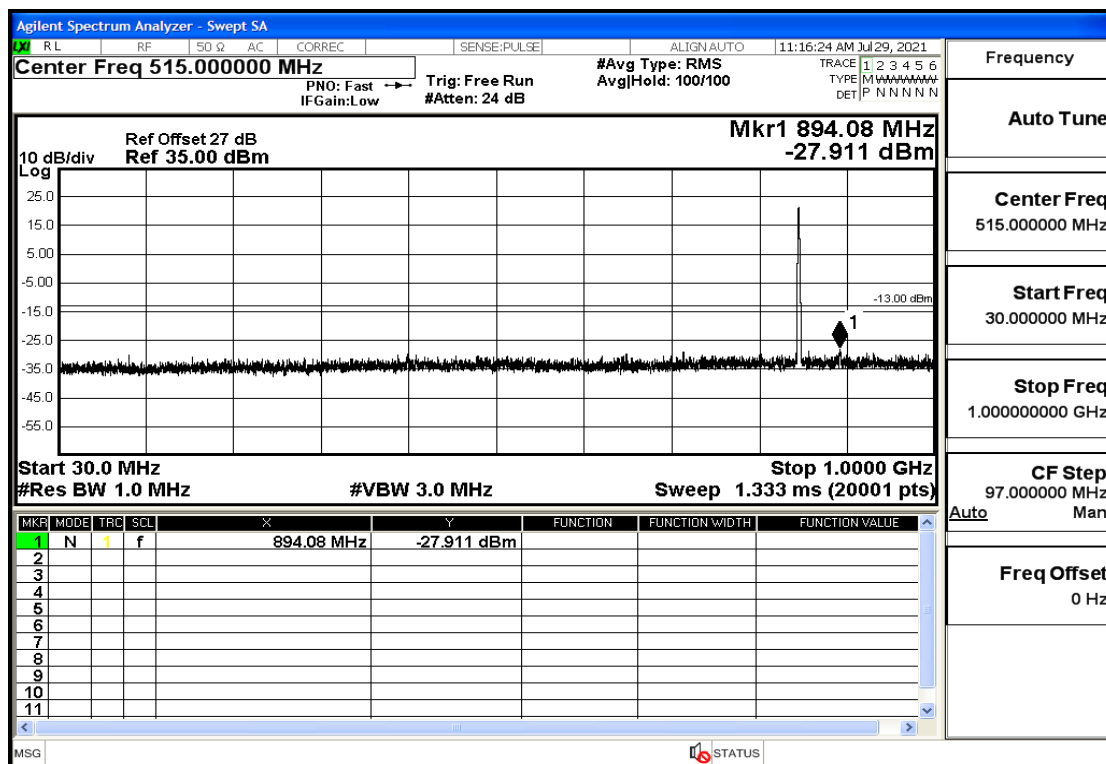
OB5-1.4-848.3-QPSK-6#LOW@30mHz-1GHz@Pass



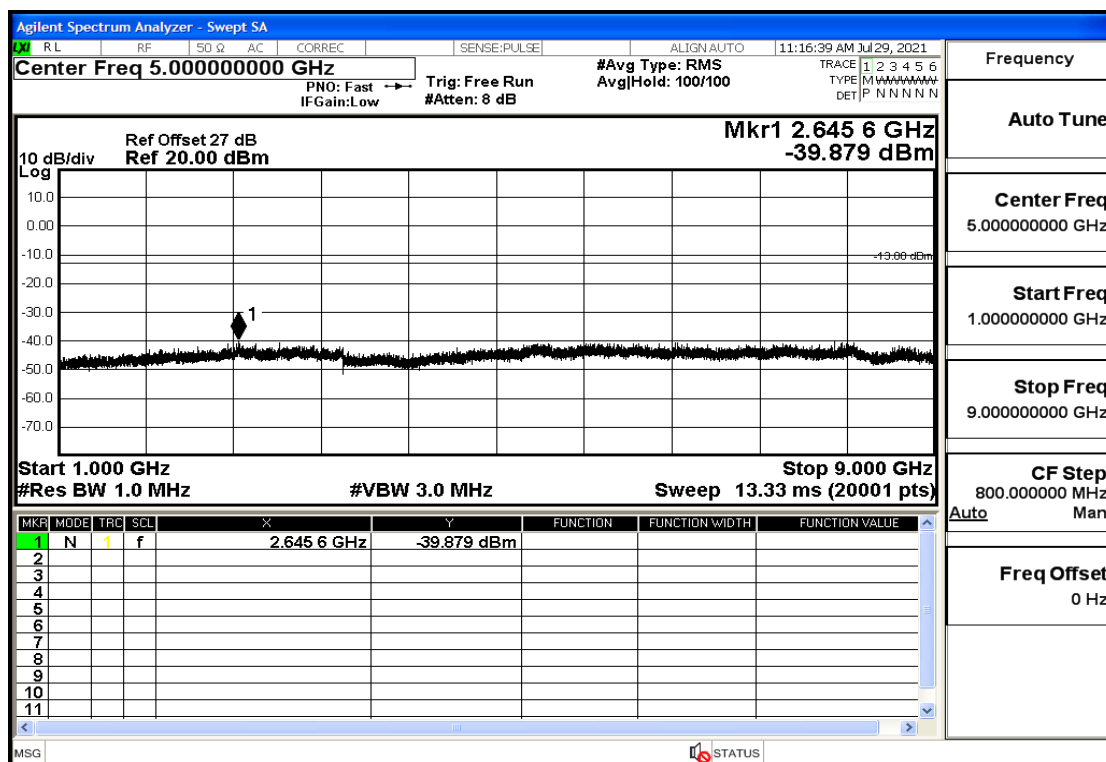
OB5-1.4-848.3-QPSK-6#LOW@1GHz-9GHz@Pass



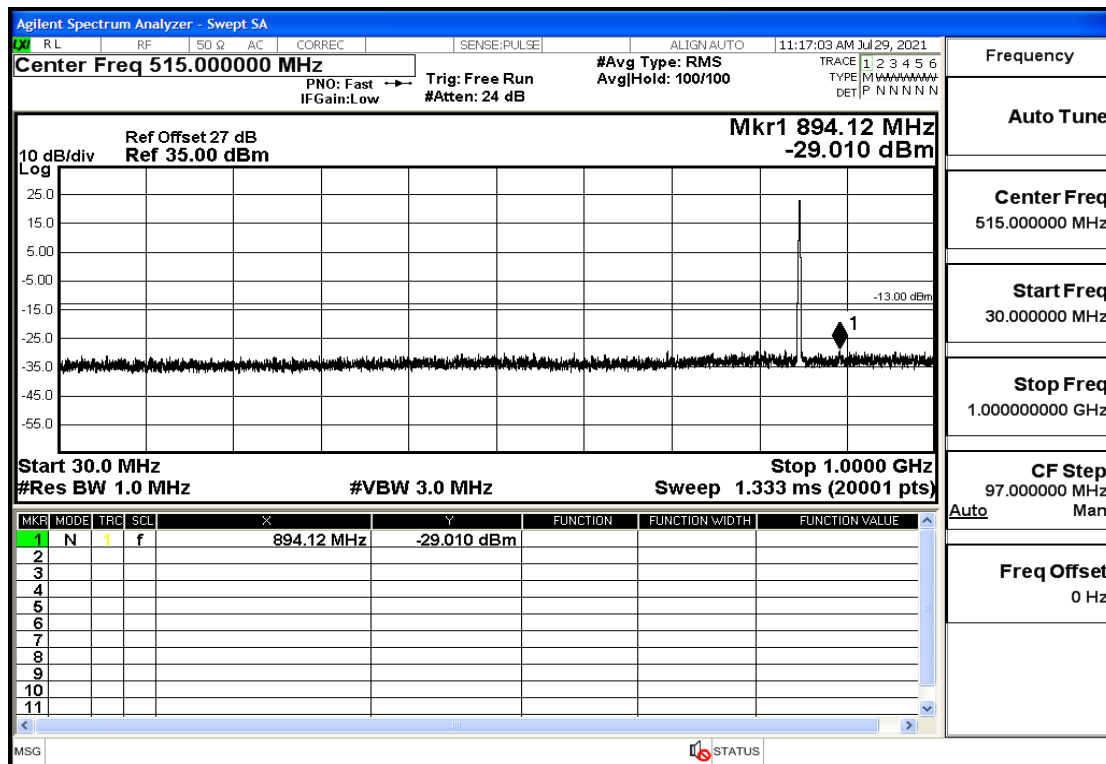
OB5-1.4-848.3-QPSK-1#LOW@30mHz-1GHz@Pass



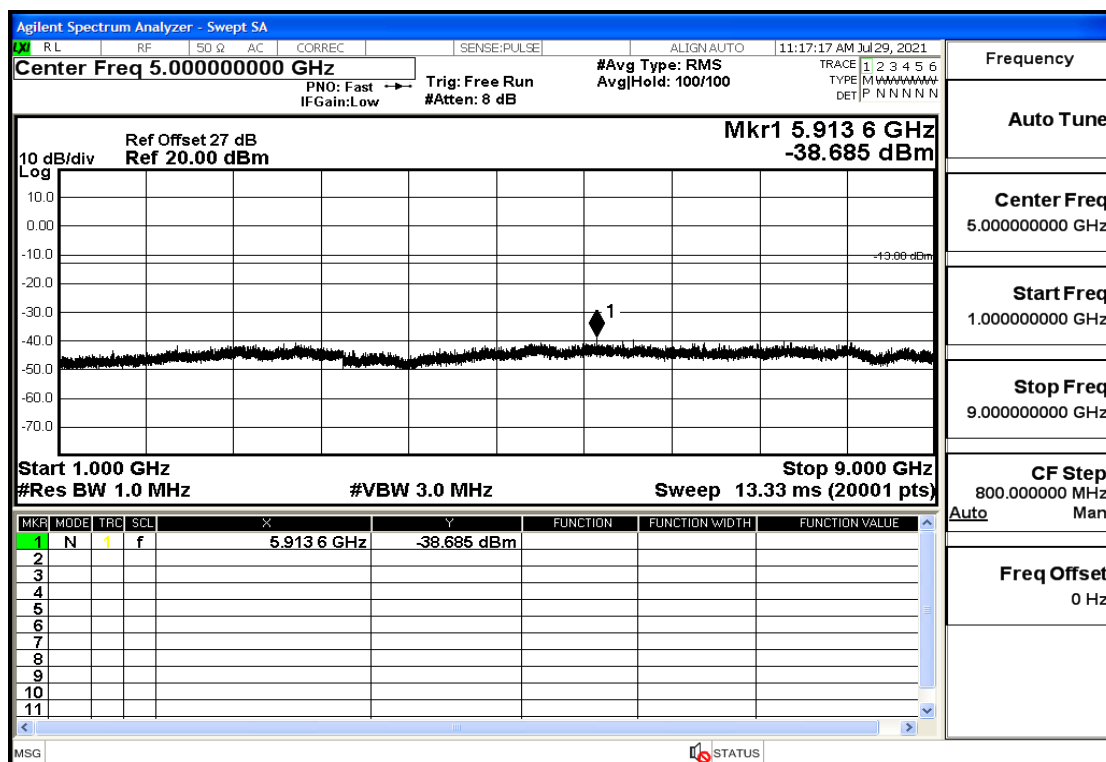
OB5-1.4-848.3-QPSK-1#LOW@1GHz-9GHz@Pass



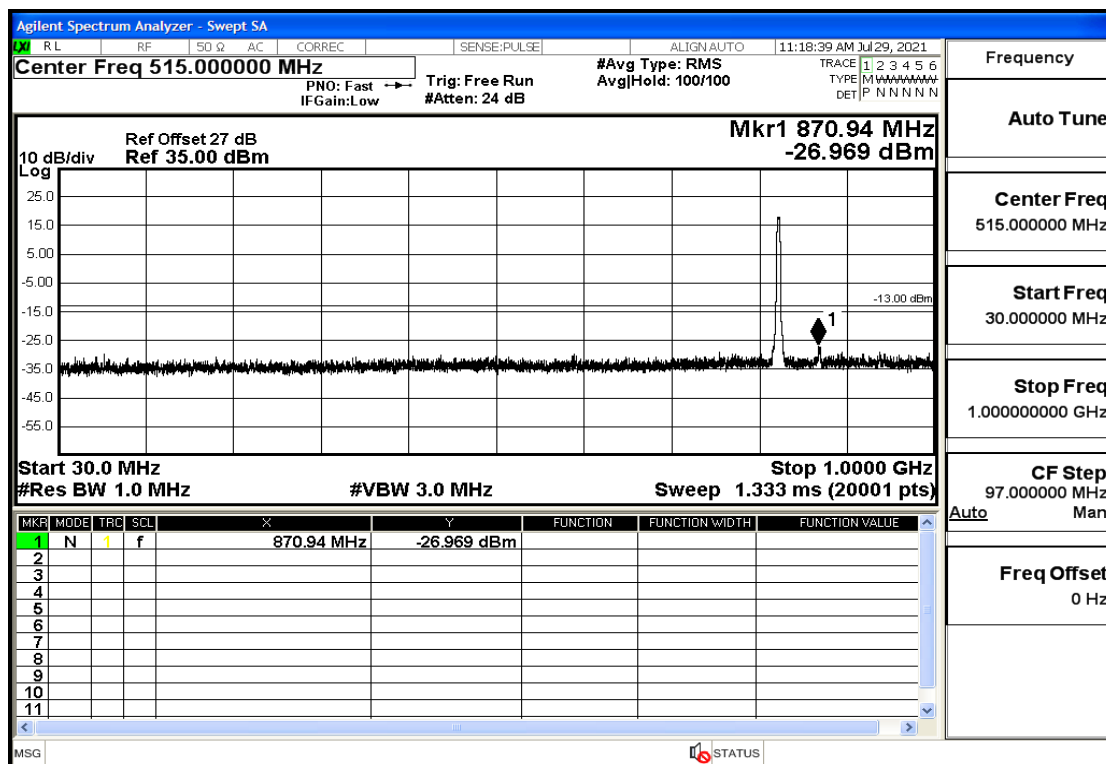
OB5-1.4-848.3-QPSK-1#HIGH@30MHz-1GHz@Pass



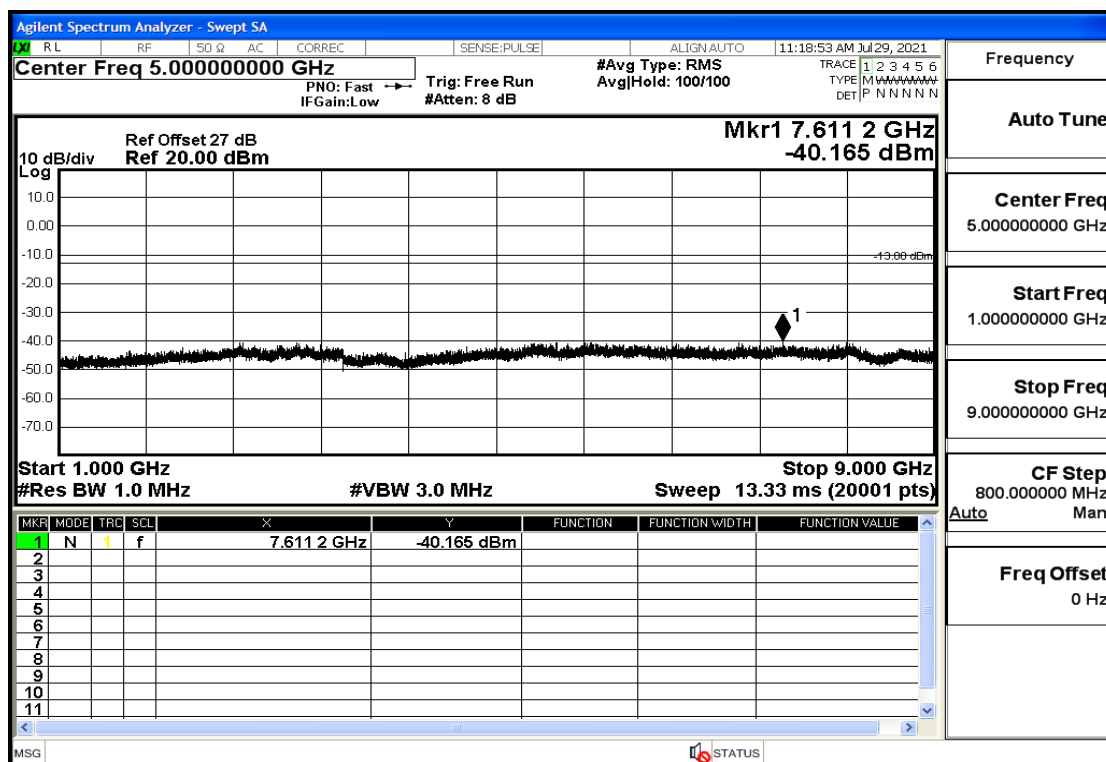
OB5-1.4-848.3-QPSK-1#HIGH@1GHz-9GHz@Pass



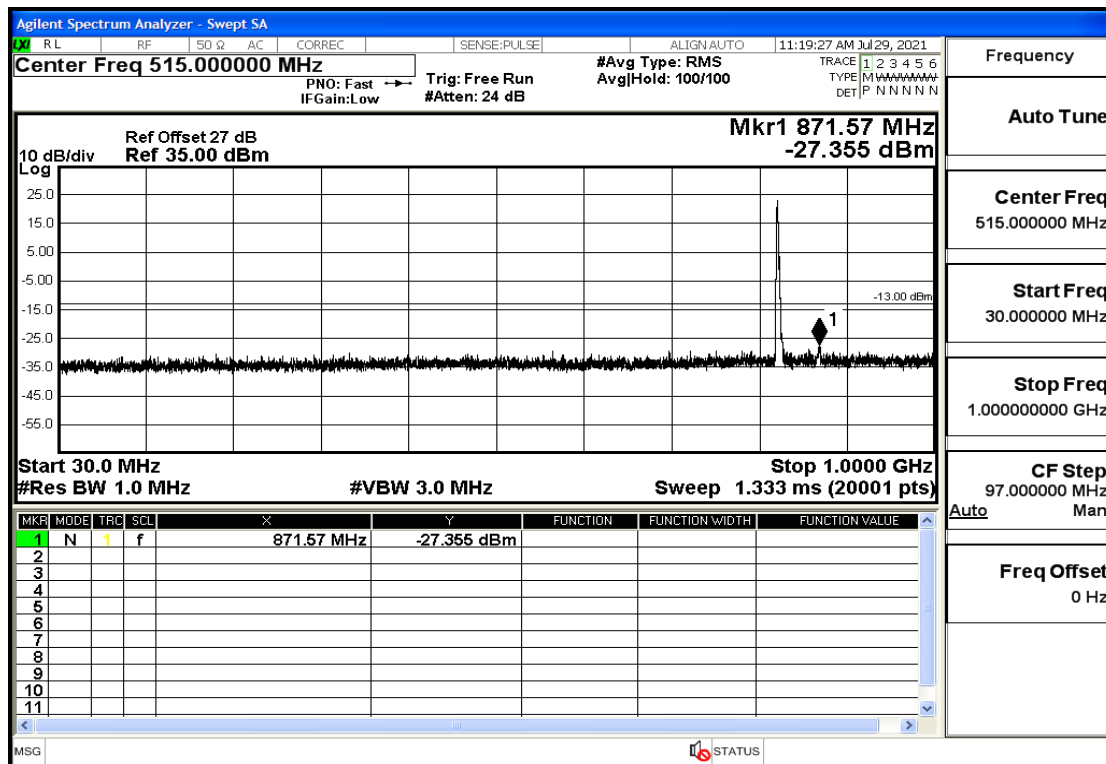
OB5-3-825.5-QPSK-15#LOW@30mHz-1GHz@Pass



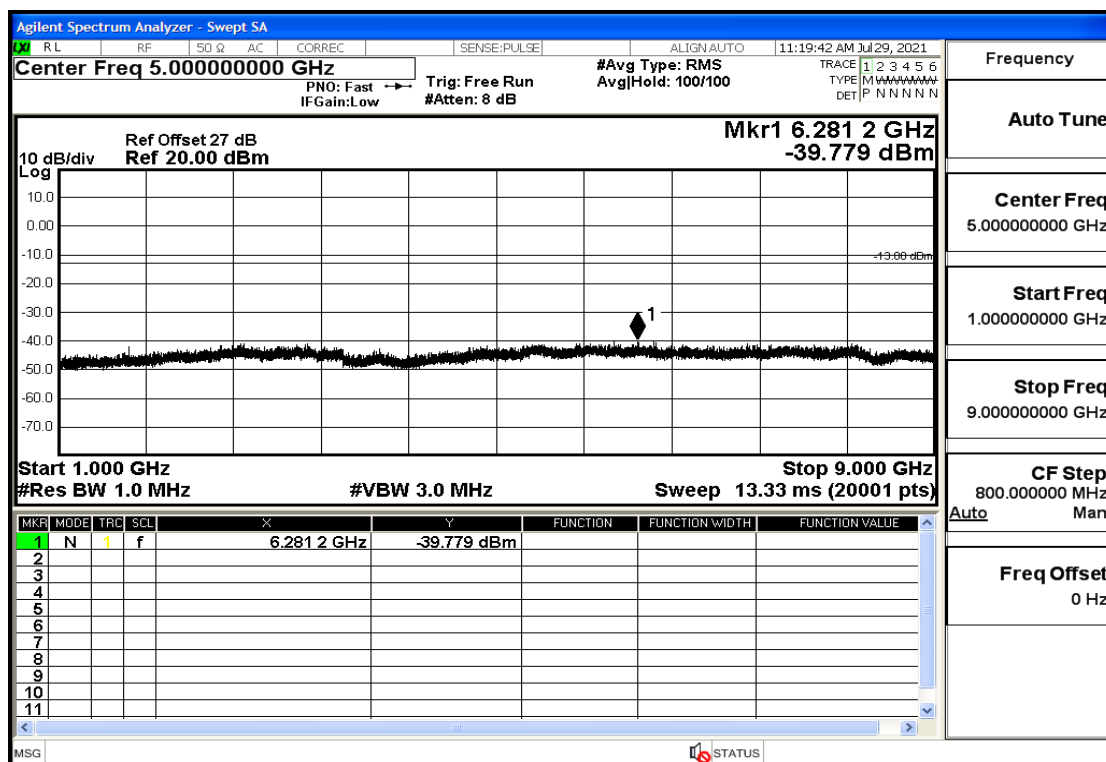
OB5-3-825.5-QPSK-15#LOW@1GHz-9GHz@Pass



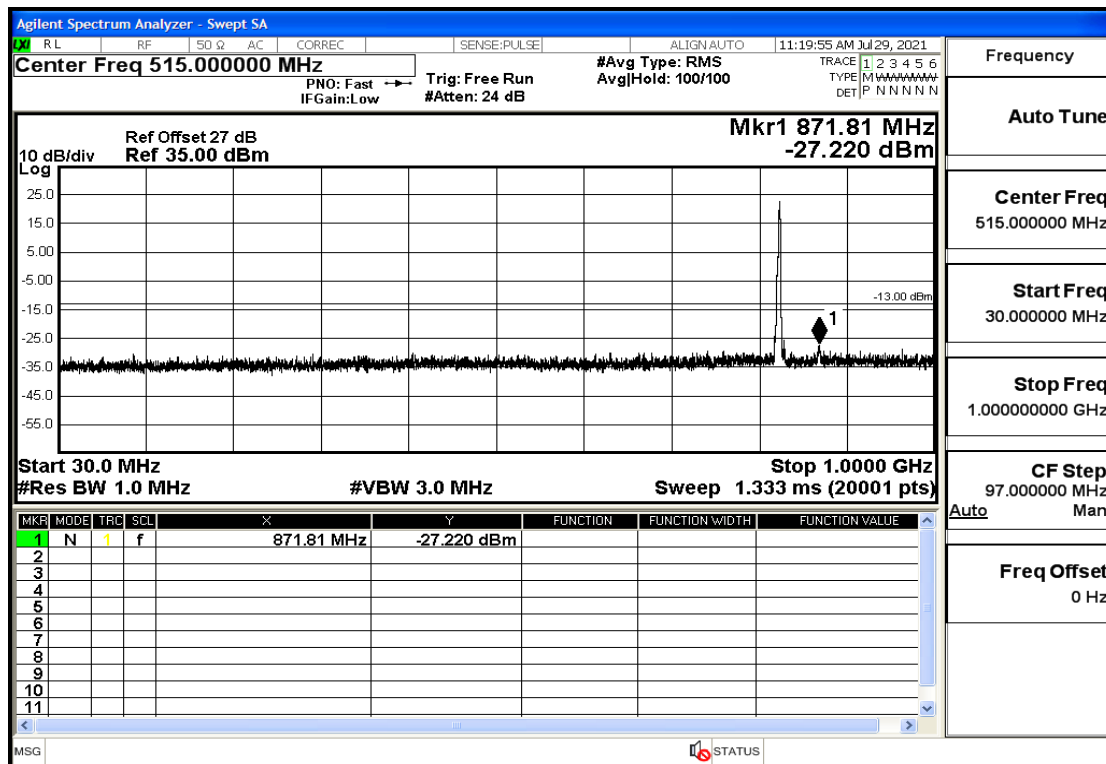
OB5-3-825.5-QPSK-1#LOW@30mHz-1GHz@Pass



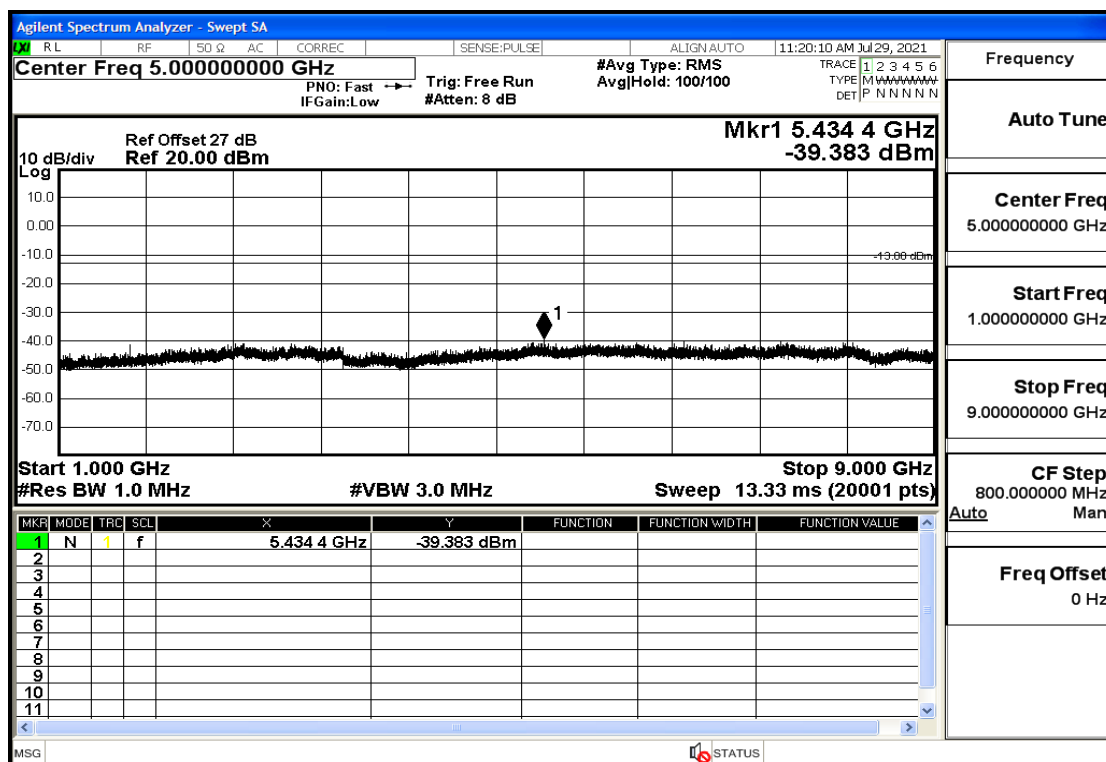
OB5-3-825.5-QPSK-1#LOW@1GHz-9GHz@Pass



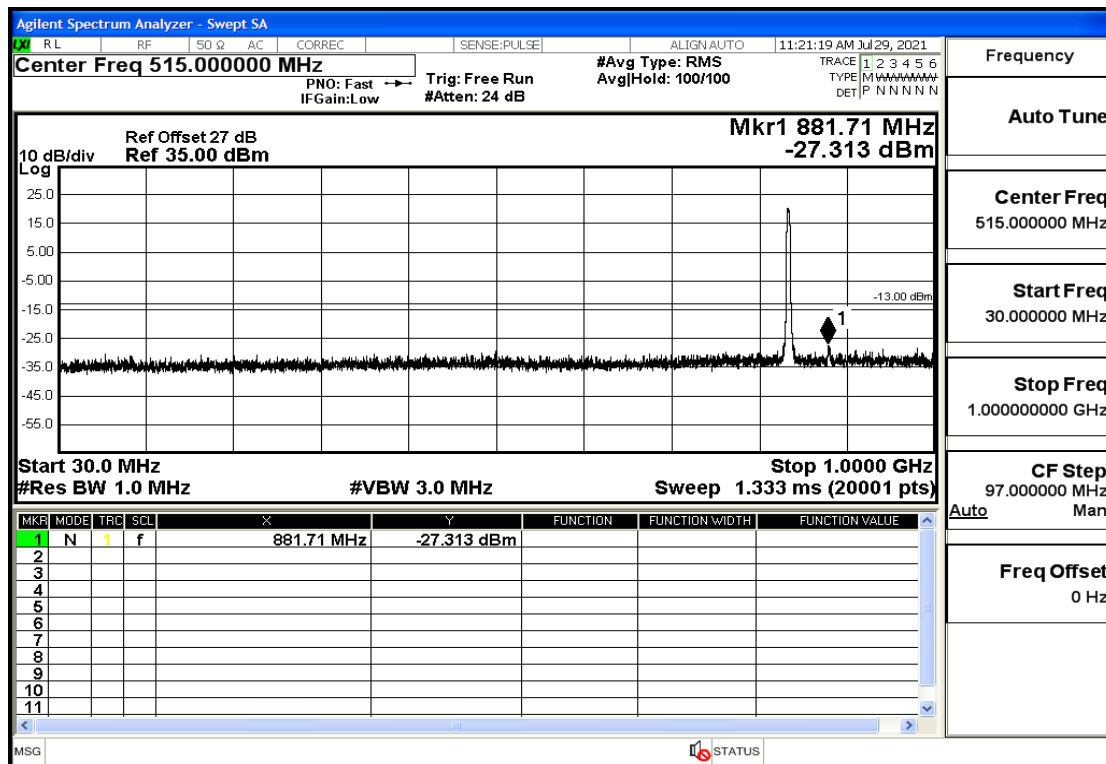
OB5-3-825.5-QPSK-1#HIGH@30mHz-1GHz@Pass



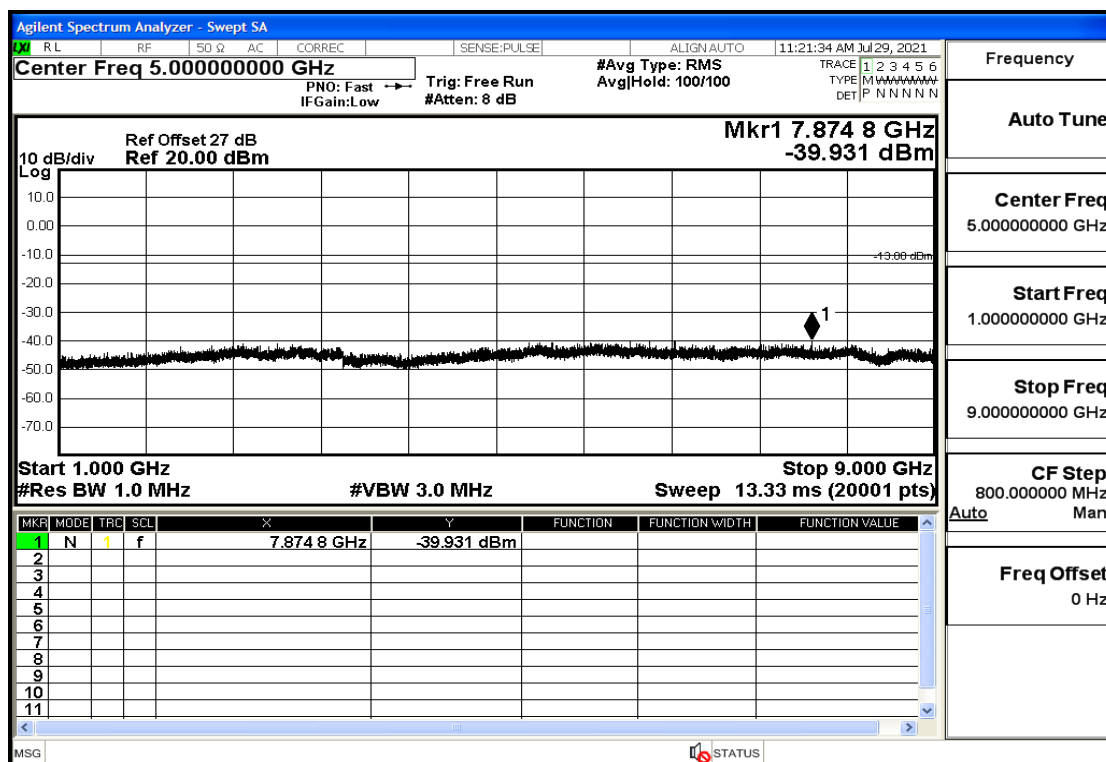
OB5-3-825.5-QPSK-1#HIGH@1GHz-9GHz@Pass



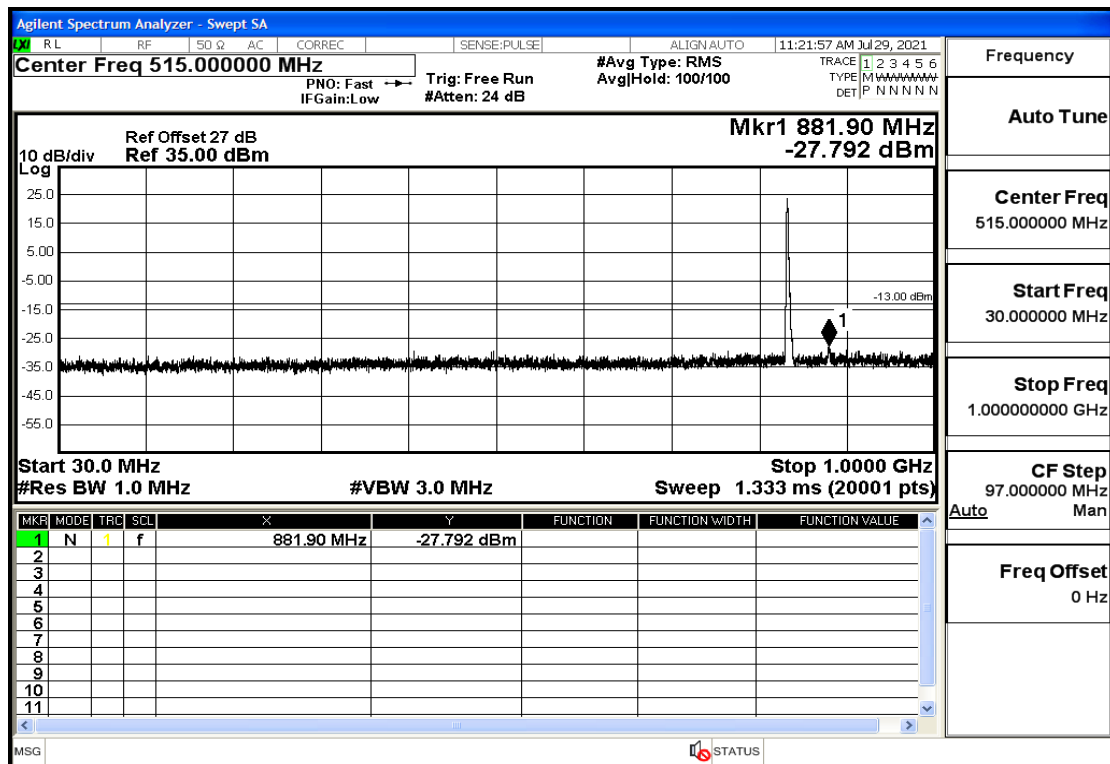
OB5-3-836.5-QPSK-15#LOW@30mHz-1GHz@Pass



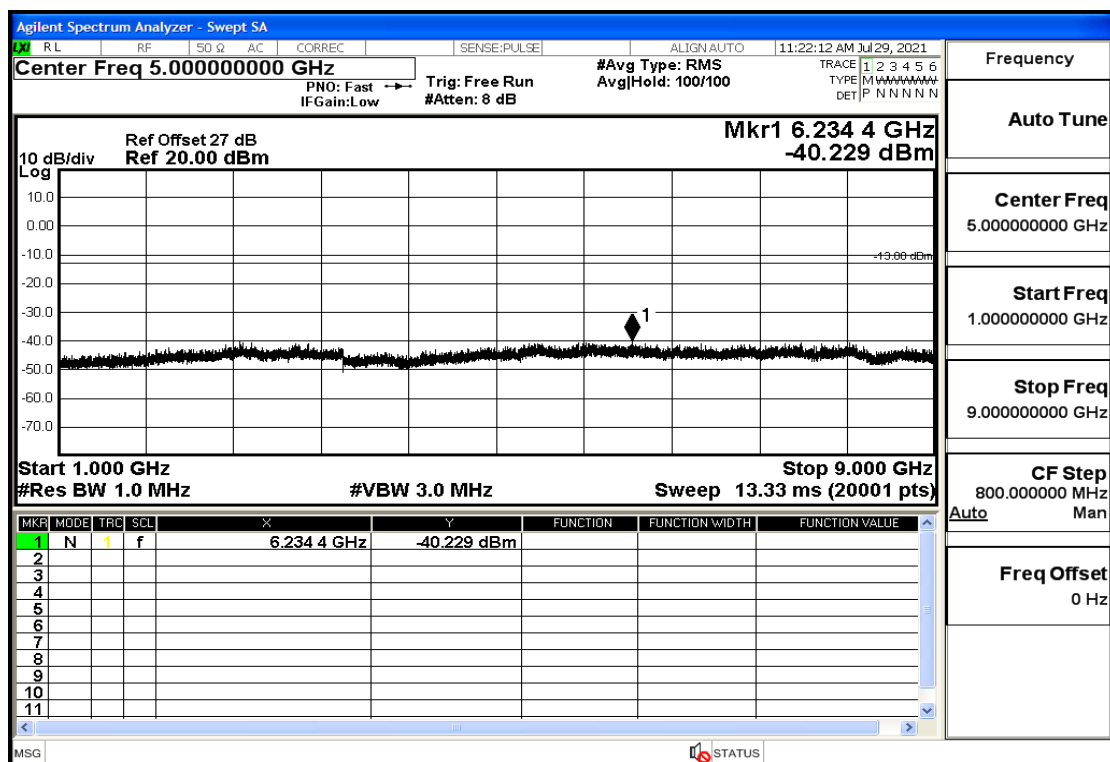
OB5-3-836.5-QPSK-15#LOW@1GHz-9GHz@Pass



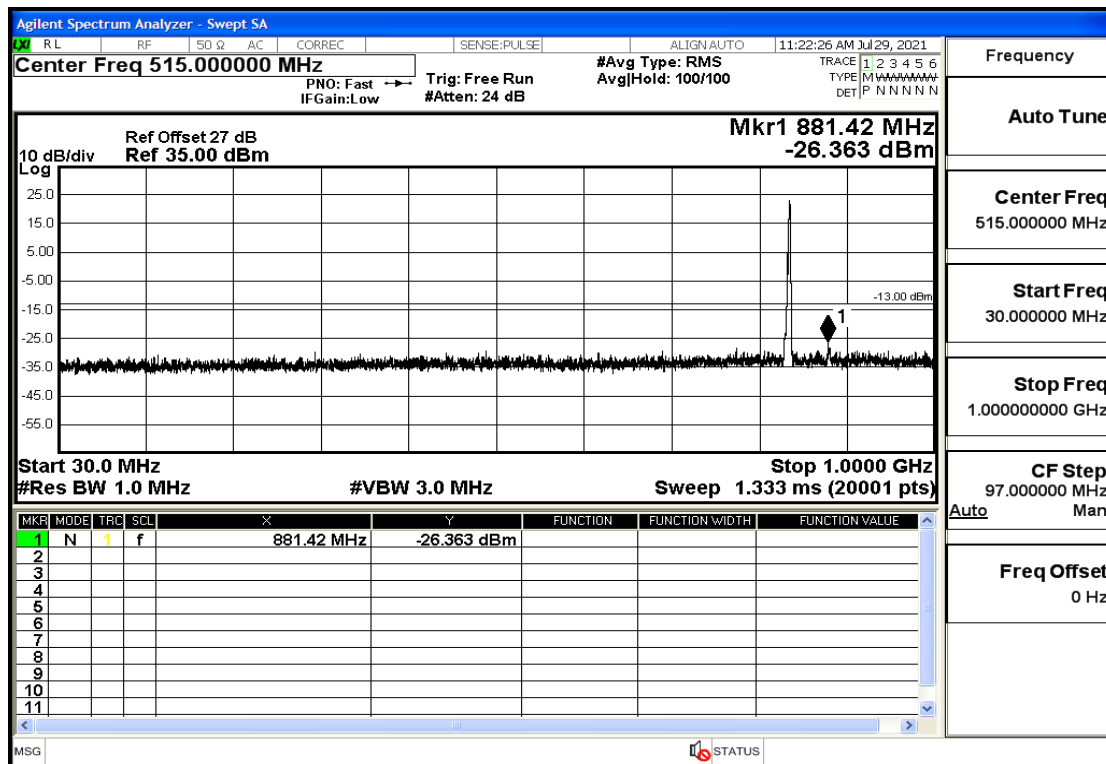
OB5-3-836.5-QPSK-1#LOW@30mHz-1GHz@Pass



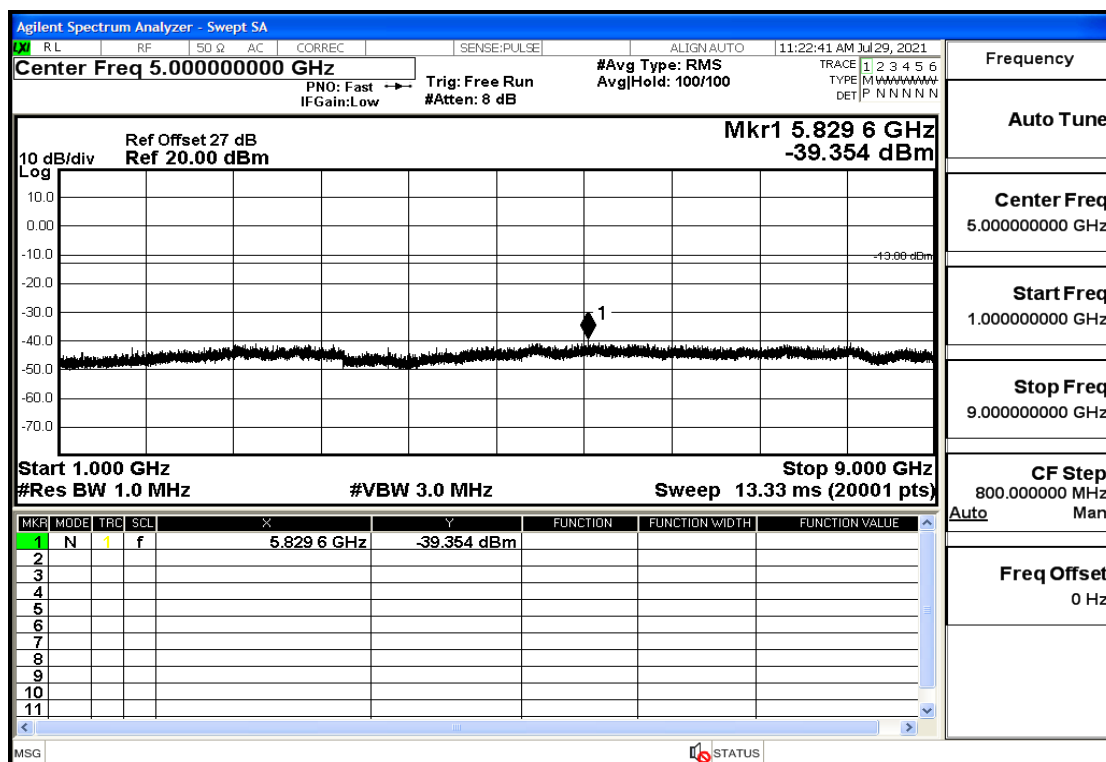
OB5-3-836.5-QPSK-1#LOW@1GHz-9GHz@Pass



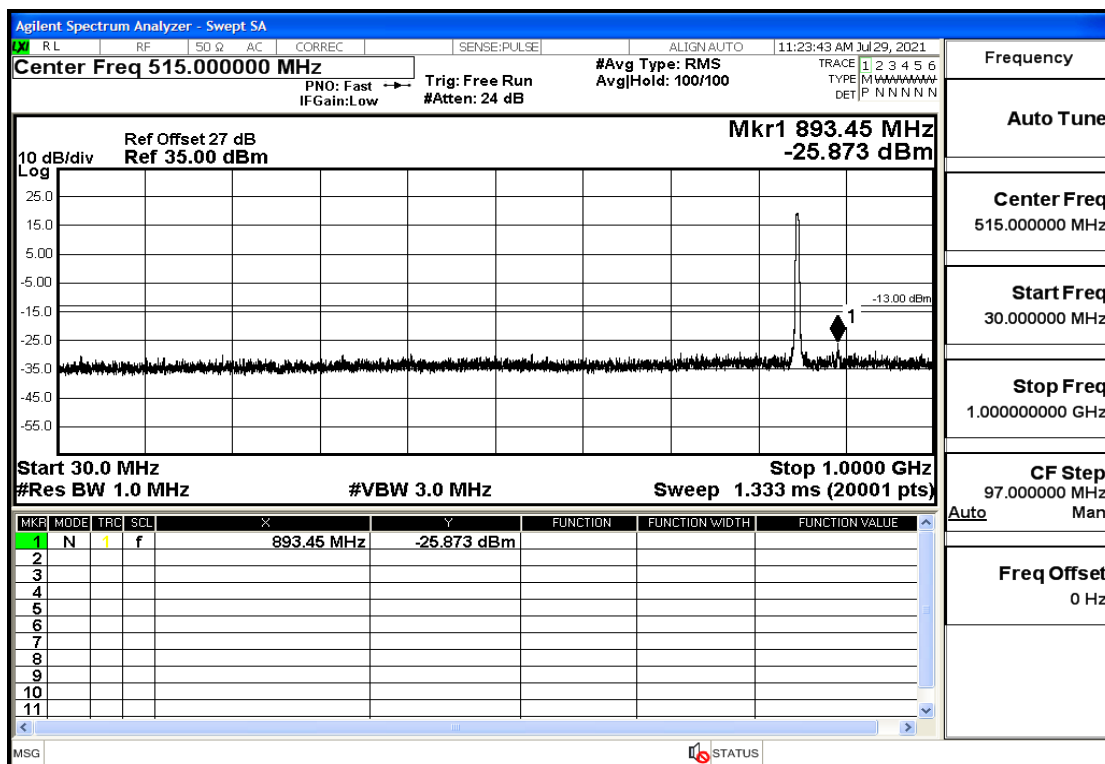
OB5-3-836.5-QPSK-1#HIGH@30mHz-1GHz@Pass



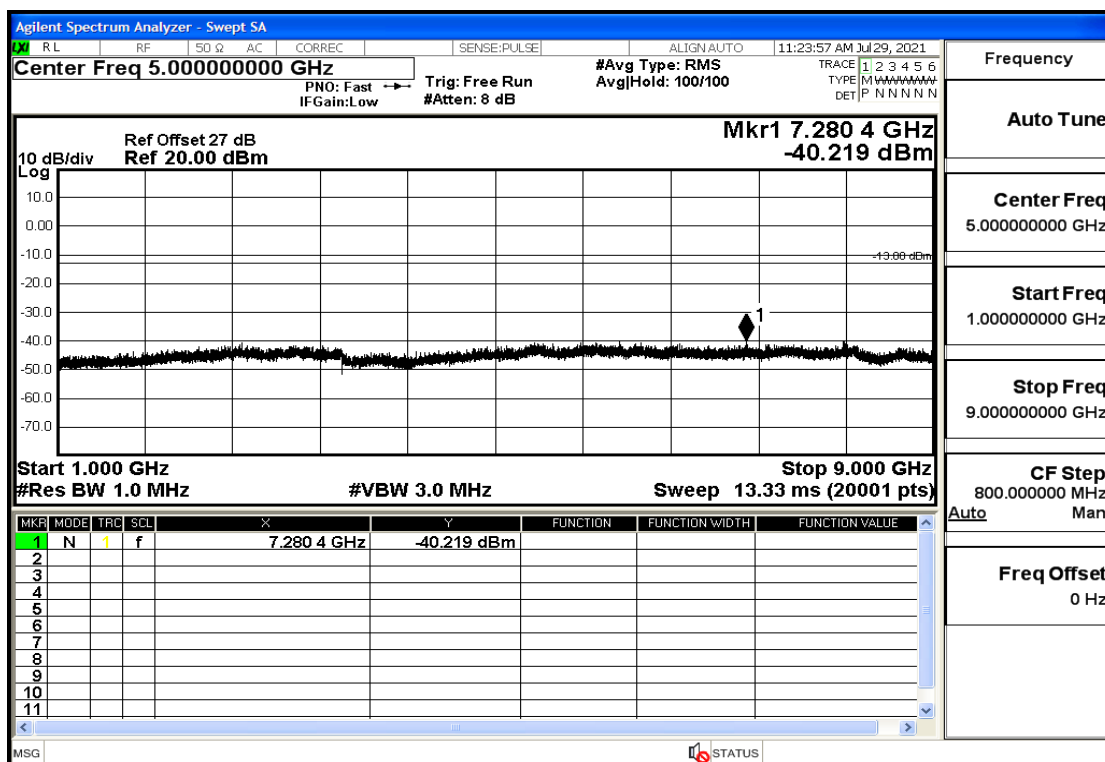
OB5-3-836.5-QPSK-1#HIGH@1GHz-9GHz@Pass



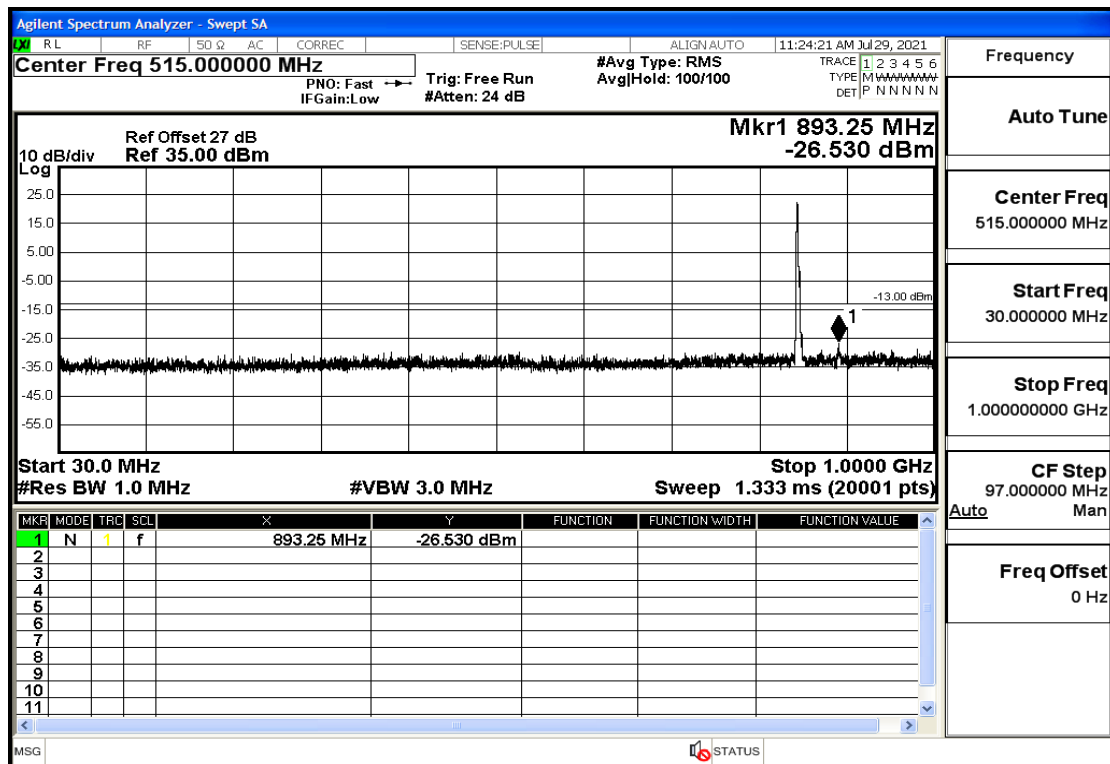
OB5-3-847.5-QPSK-15#LOW@30mHz-1GHz@Pass



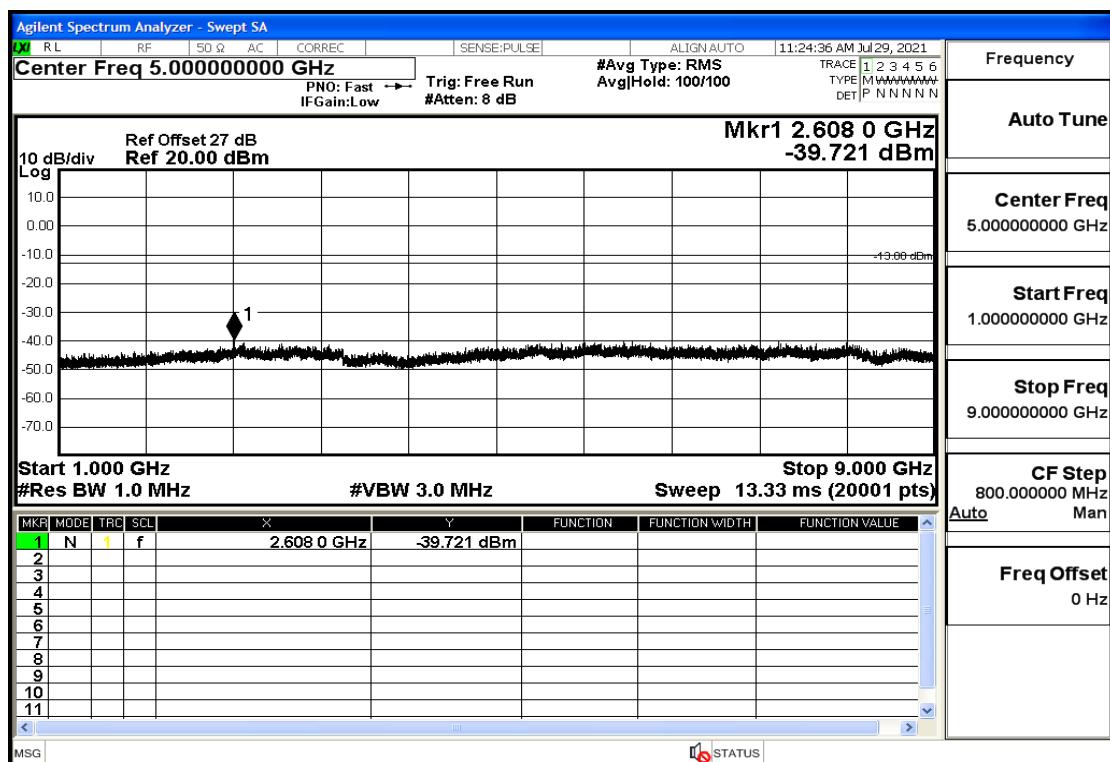
OB5-3-847.5-QPSK-15#LOW@1GHz-9GHz@Pass



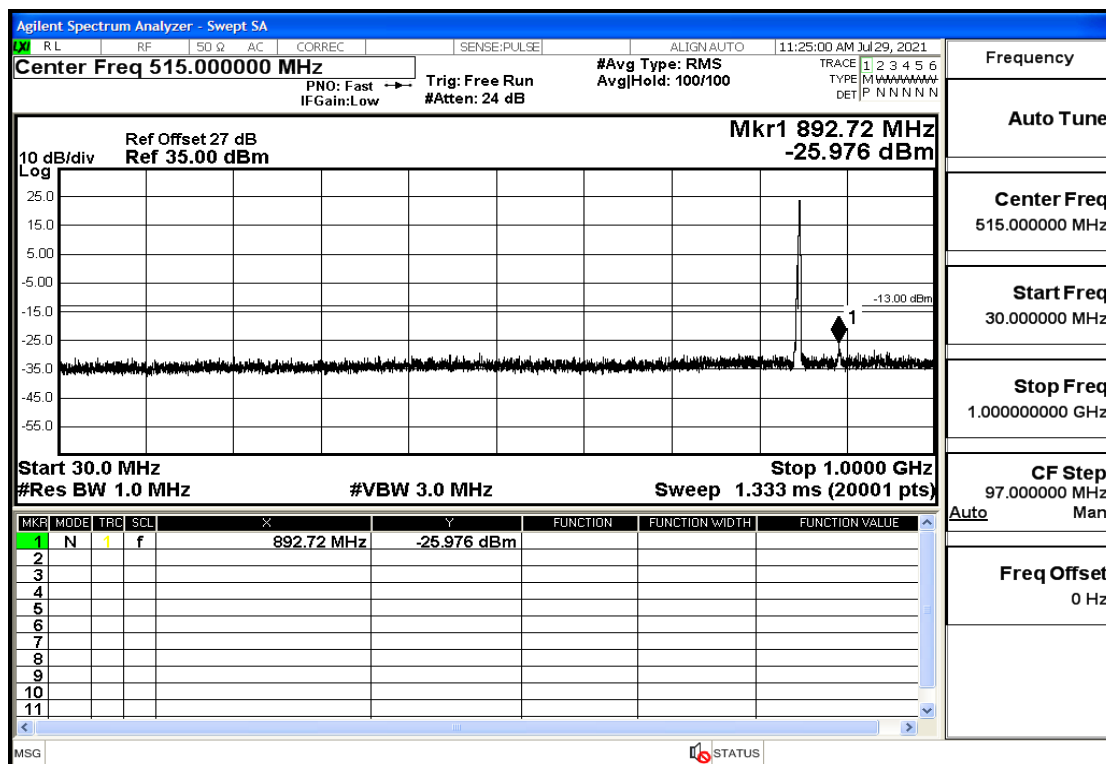
OB5-3-847.5-QPSK-1#LOW@30mHz-1GHz@Pass



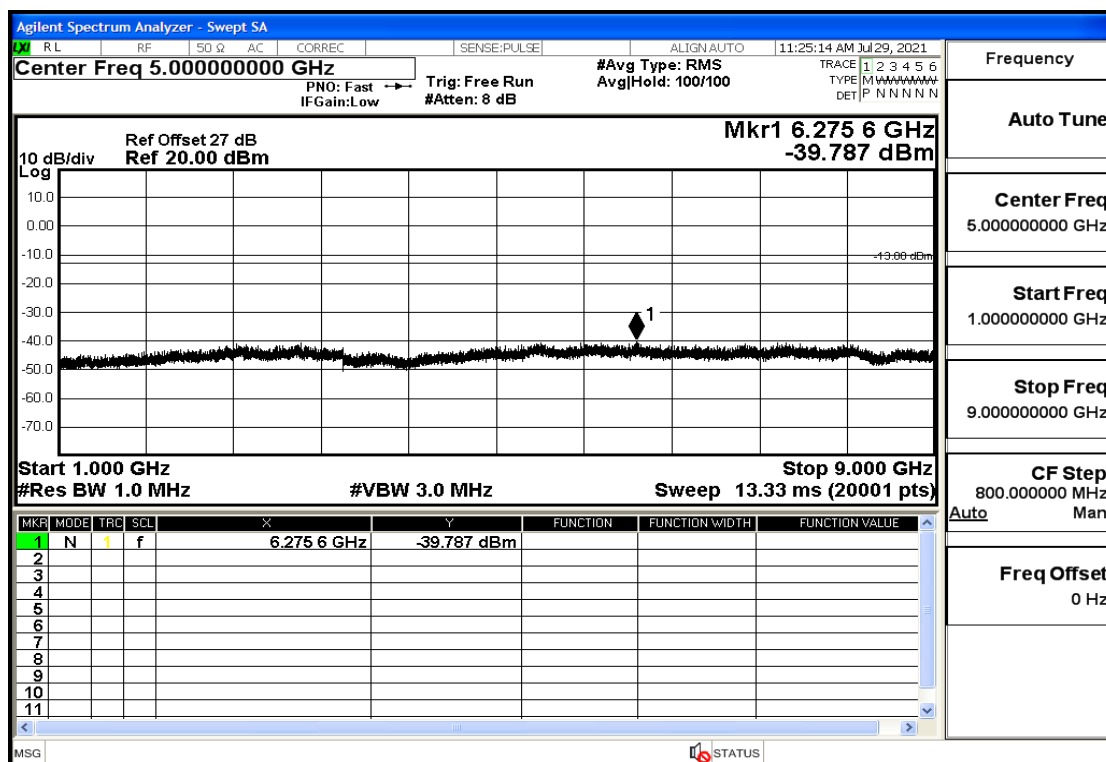
OB5-3-847.5-QPSK-1#LOW@1GHz-9GHz@Pass



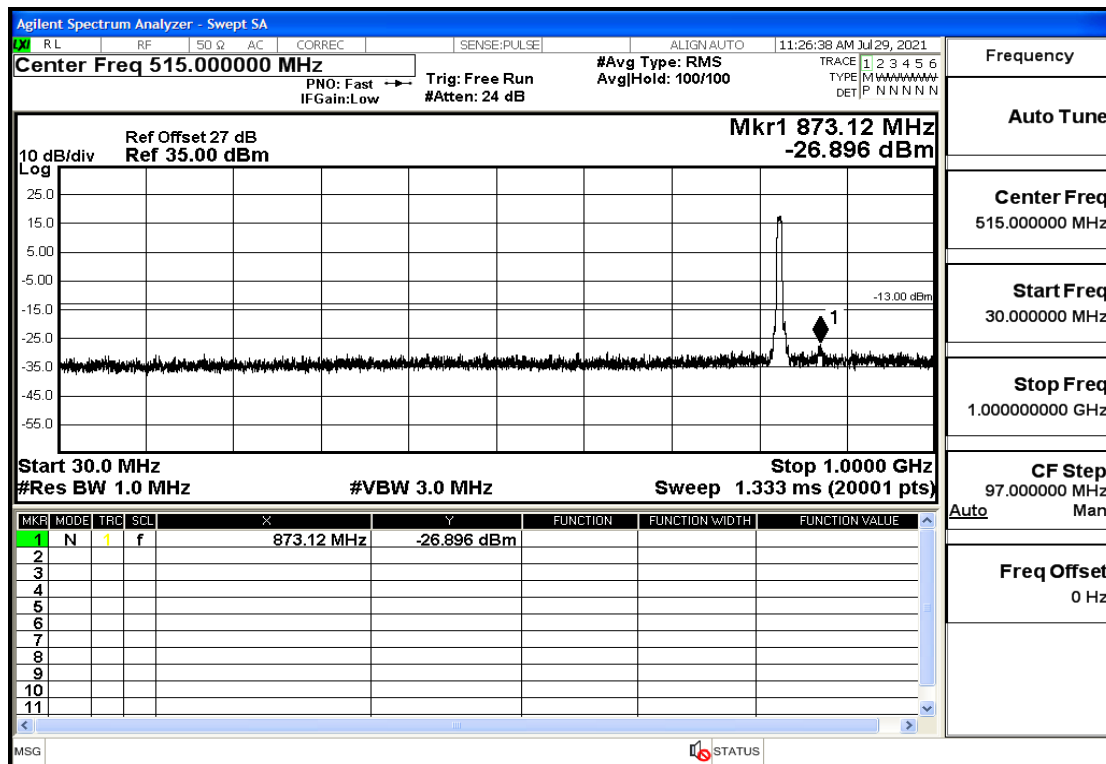
OB5-3-847.5-QPSK-1#HIGH@30mHz-1GHz@Pass



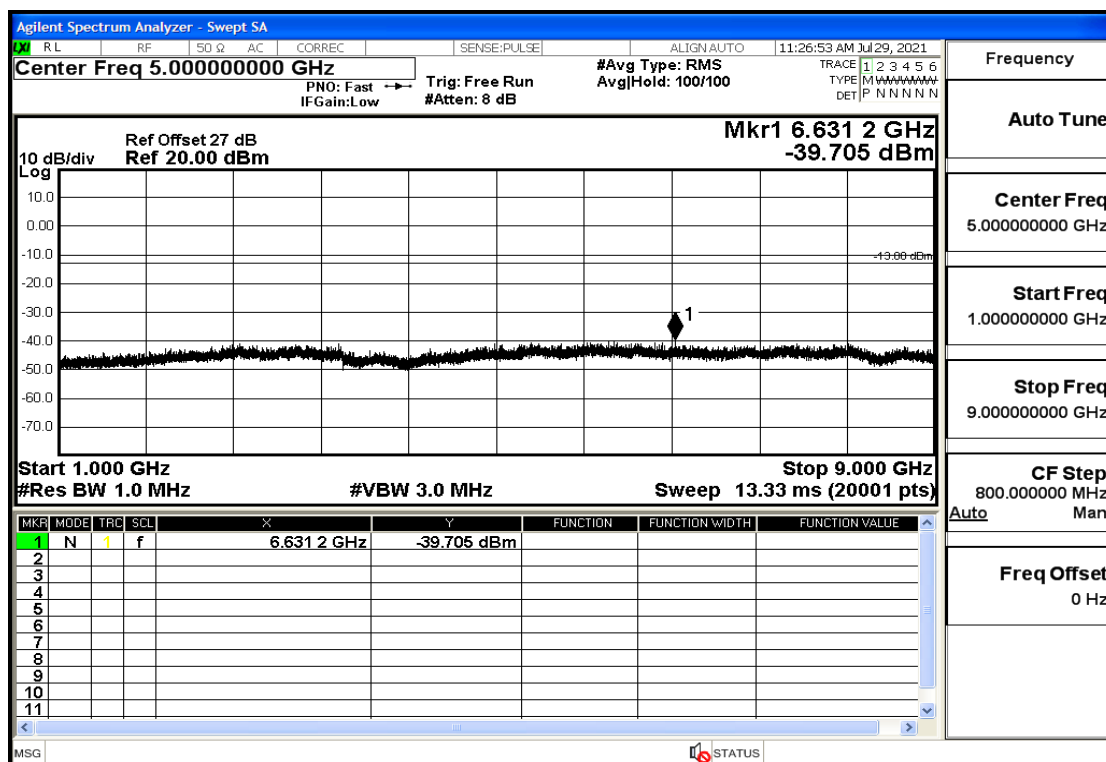
OB5-3-847.5-QPSK-1#HIGH@1GHz-9GHz@Pass



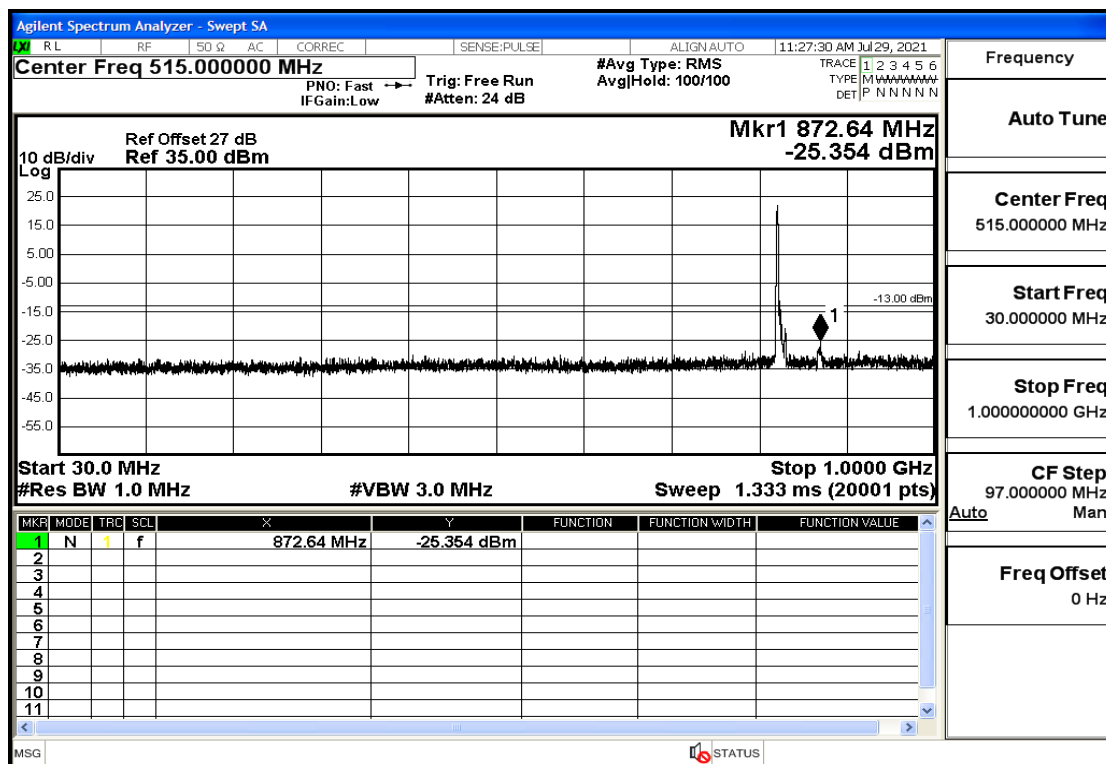
OB5-5-826.5-QPSK-25#LOW@30mHz-1GHz@Pass



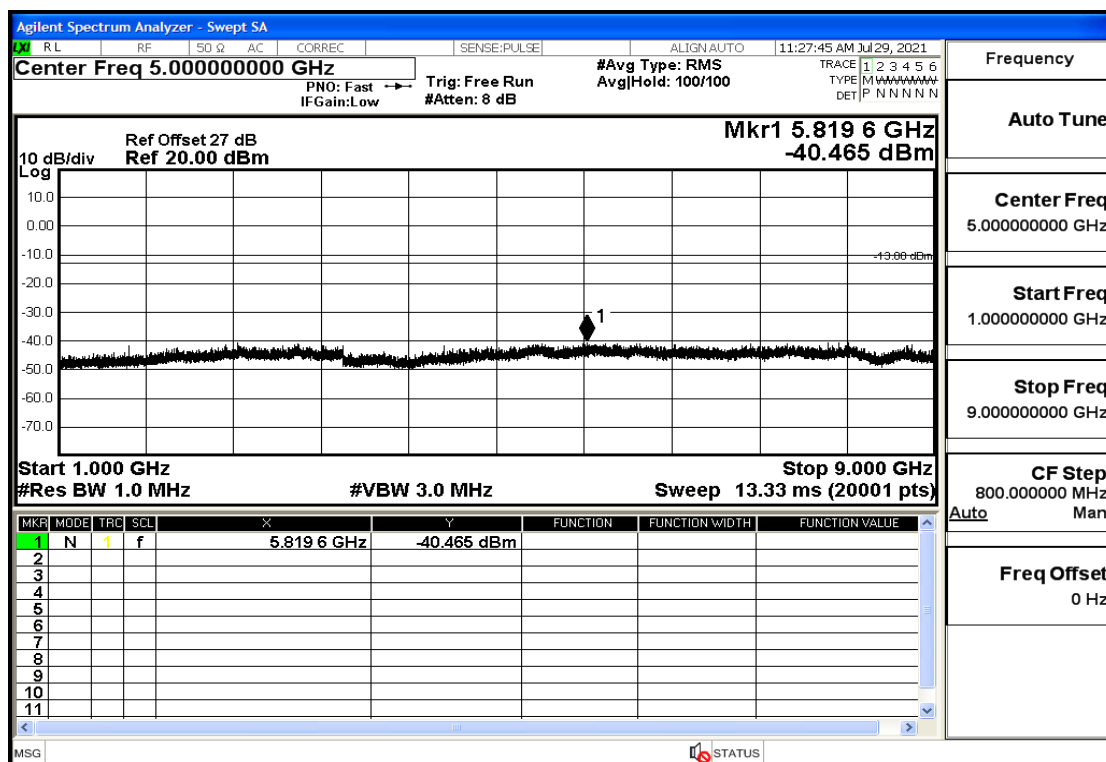
OB5-5-826.5-QPSK-25#LOW@1GHz-9GHz@Pass



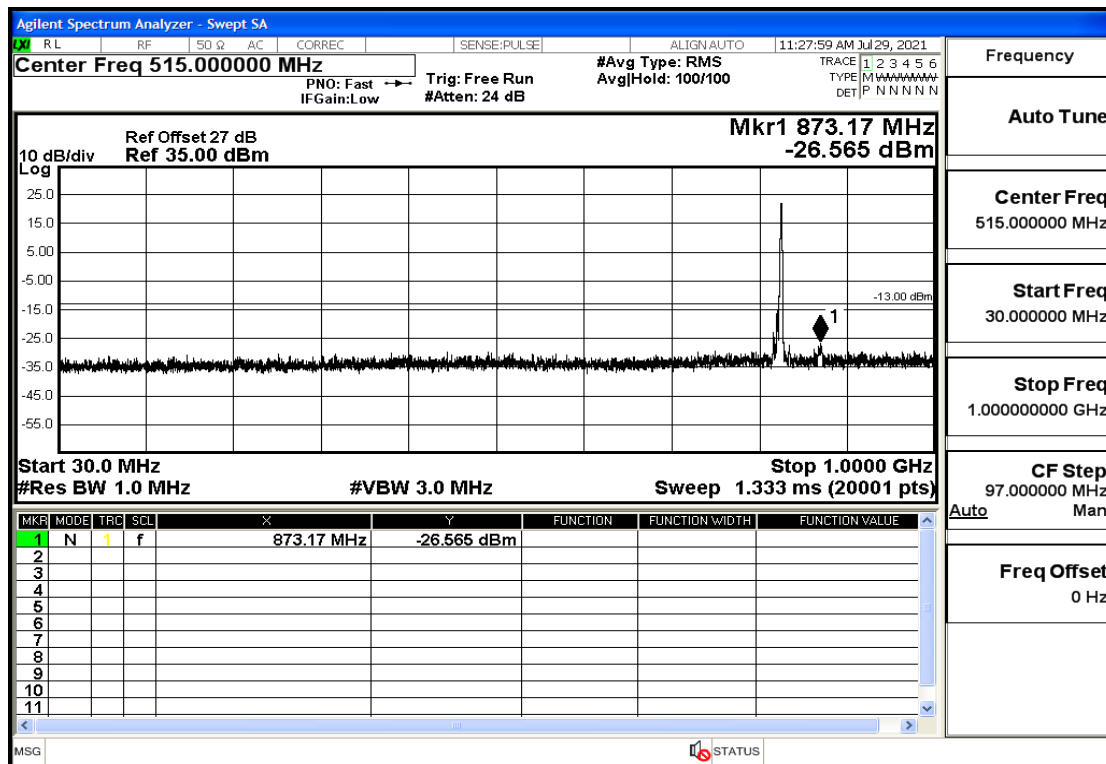
OB5-5-826.5-QPSK-1#LOW@30mHz-1GHz@Pass



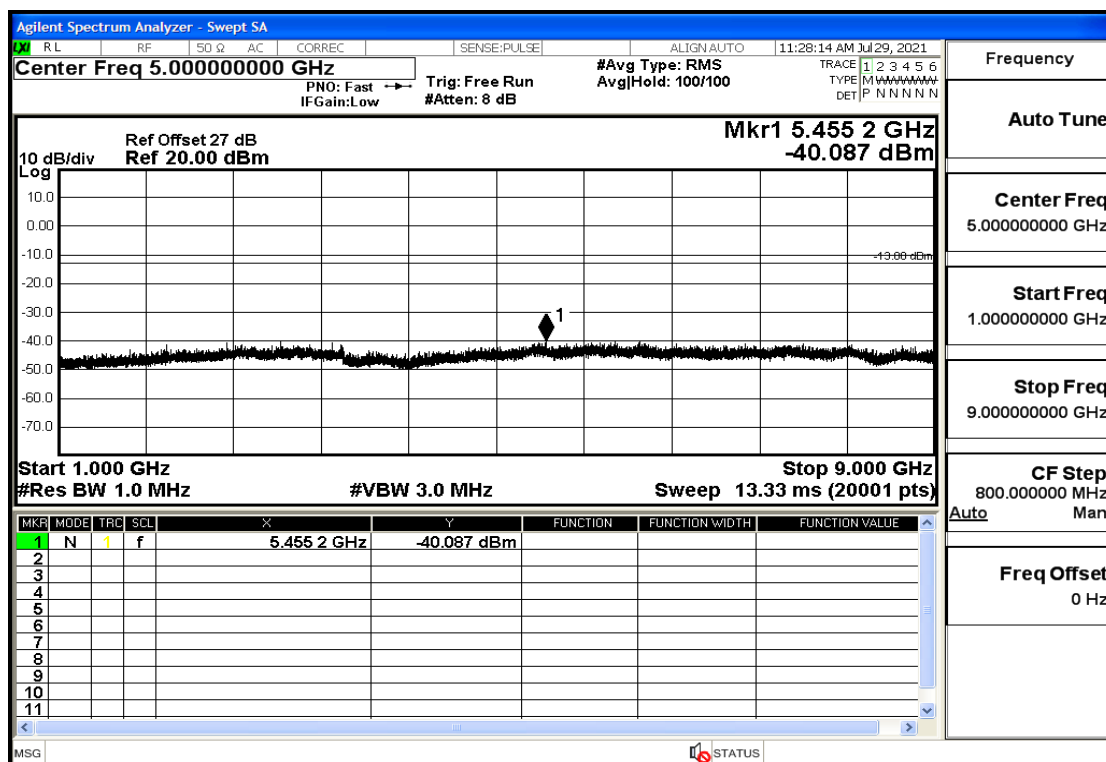
OB5-5-826.5-QPSK-1#LOW@1GHz-9GHz@Pass



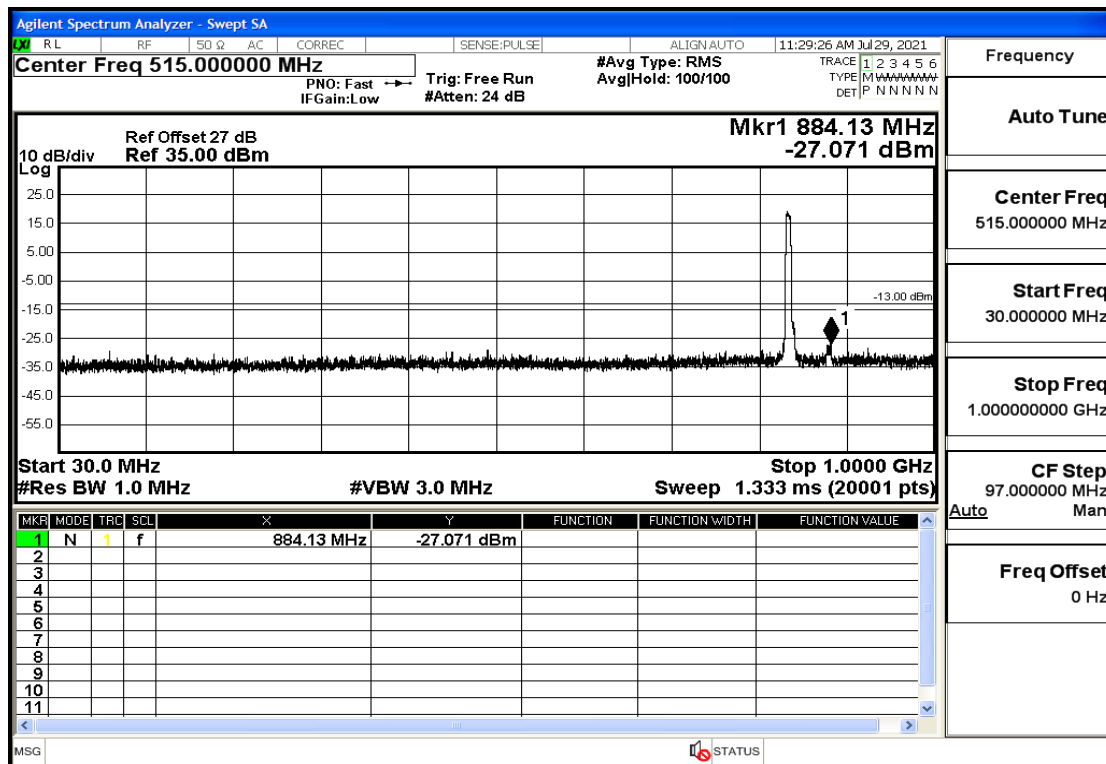
OB5-5-826.5-QPSK-1#HIGH@30mHz-1GHz@Pass



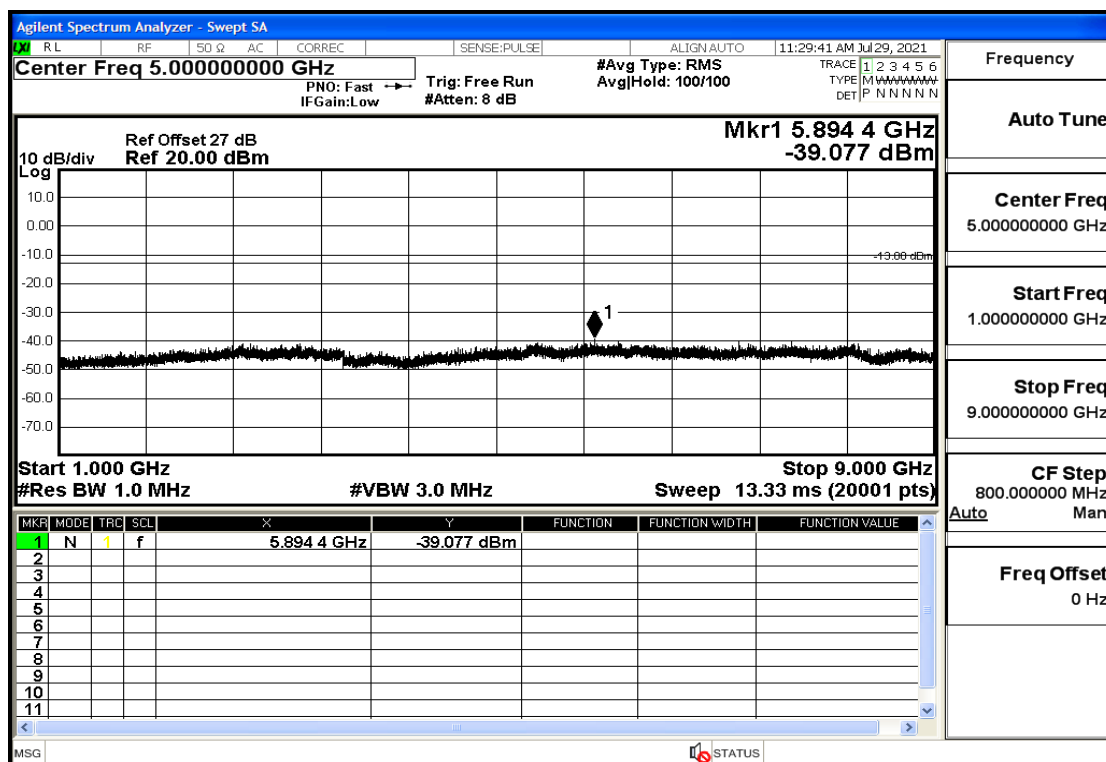
OB5-5-826.5-QPSK-1#HIGH@1GHz-9GHz@Pass



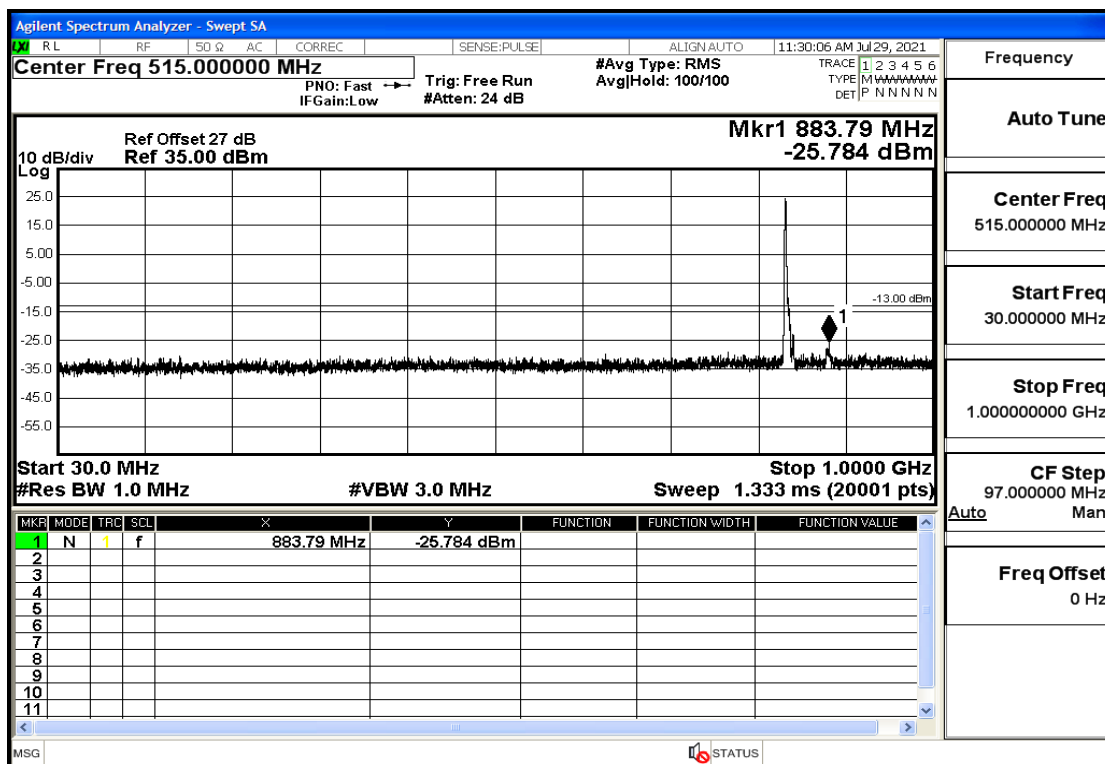
OB5-5-836.5-QPSK-25#LOW@30mHz-1GHz@Pass



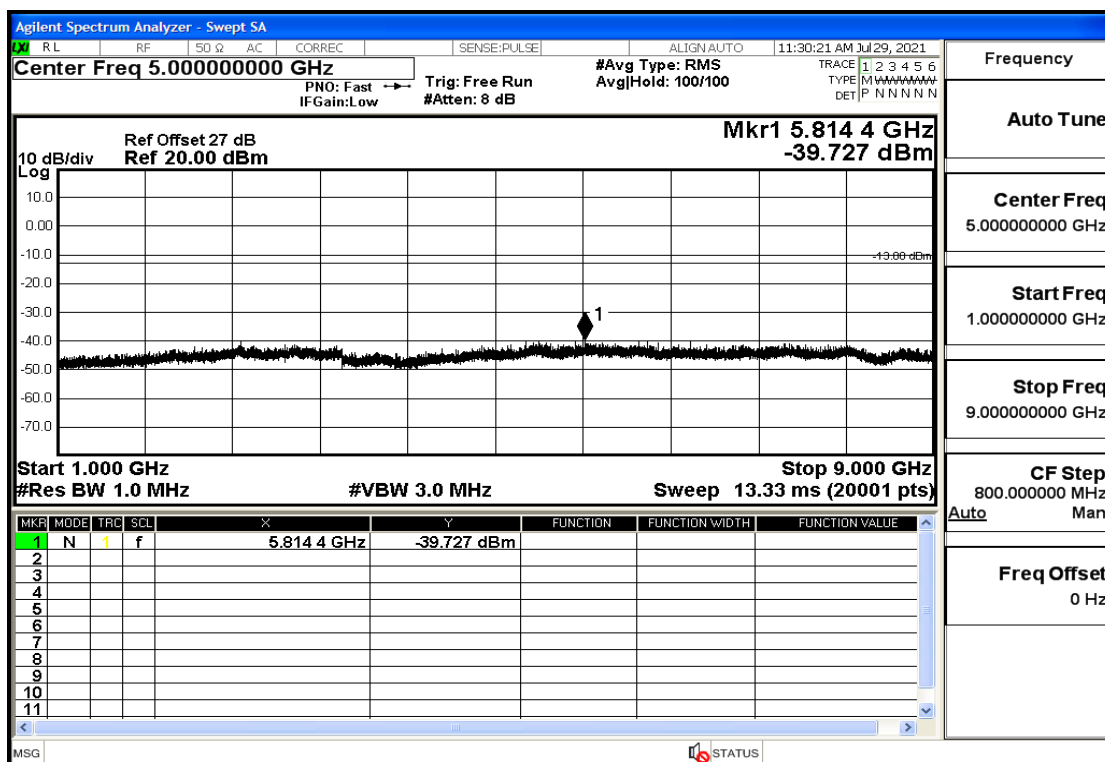
OB5-5-836.5-QPSK-25#LOW@1GHz-9GHz@Pass



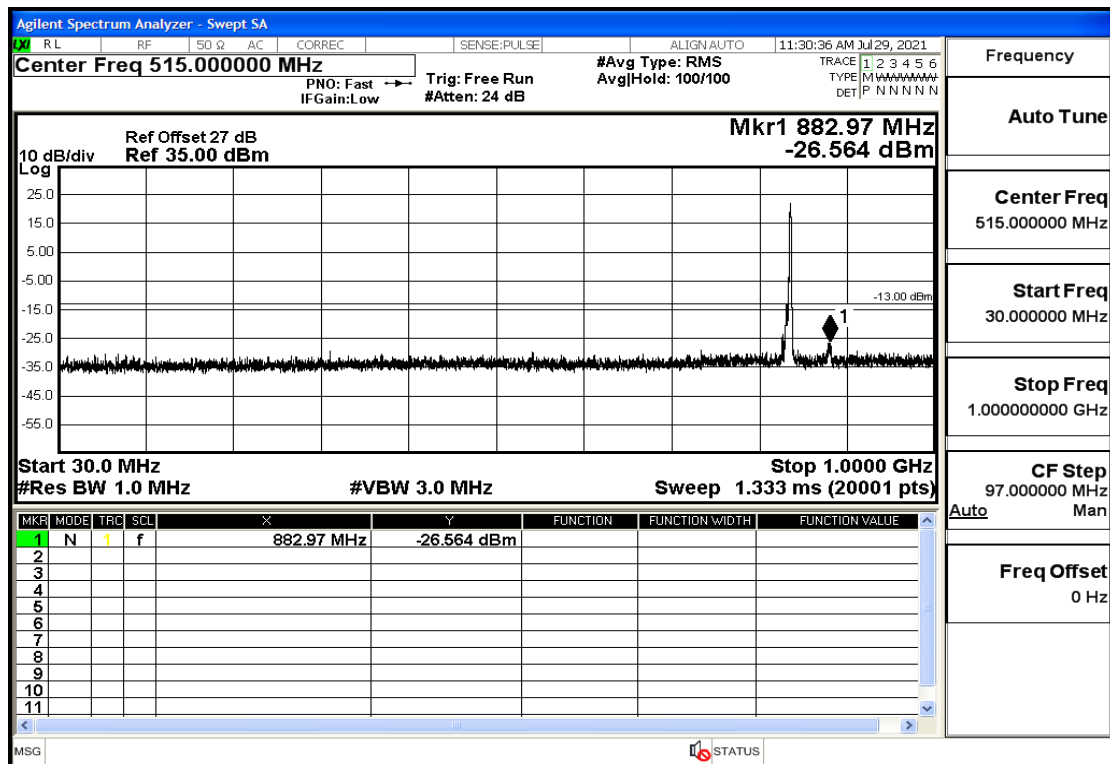
OB5-5-836.5-QPSK-1#LOW@30mHz-1GHz@Pass



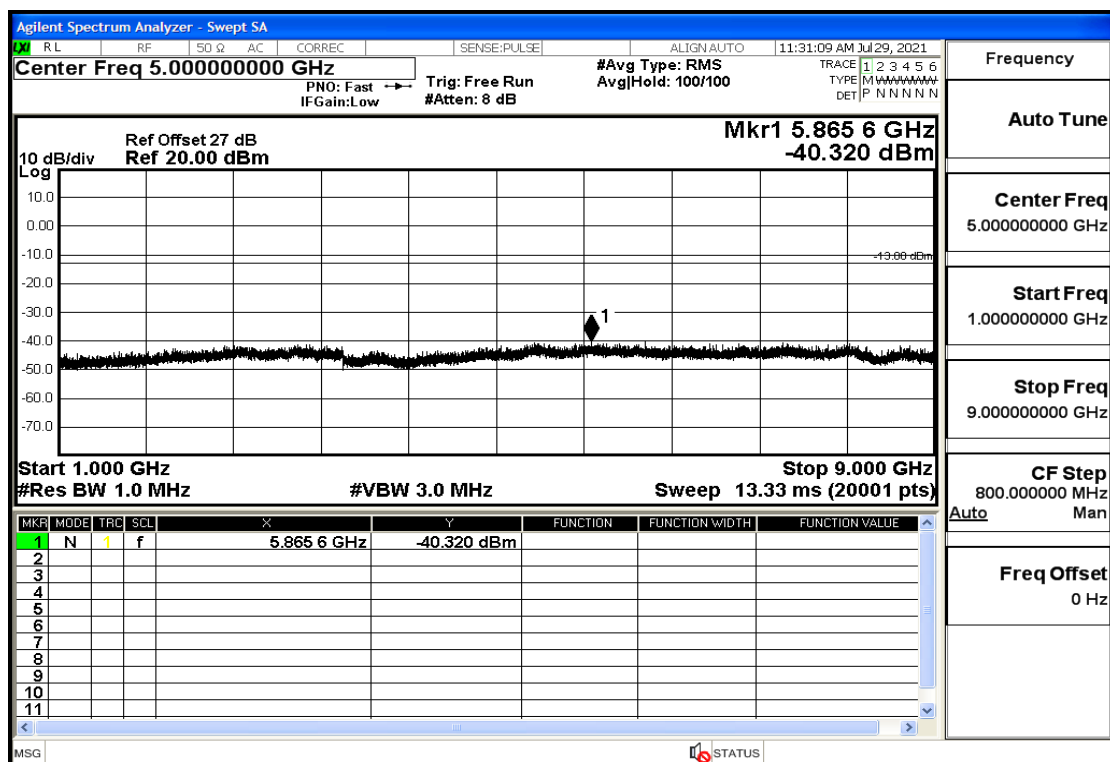
OB5-5-836.5-QPSK-1#LOW@1GHz-9GHz@Pass



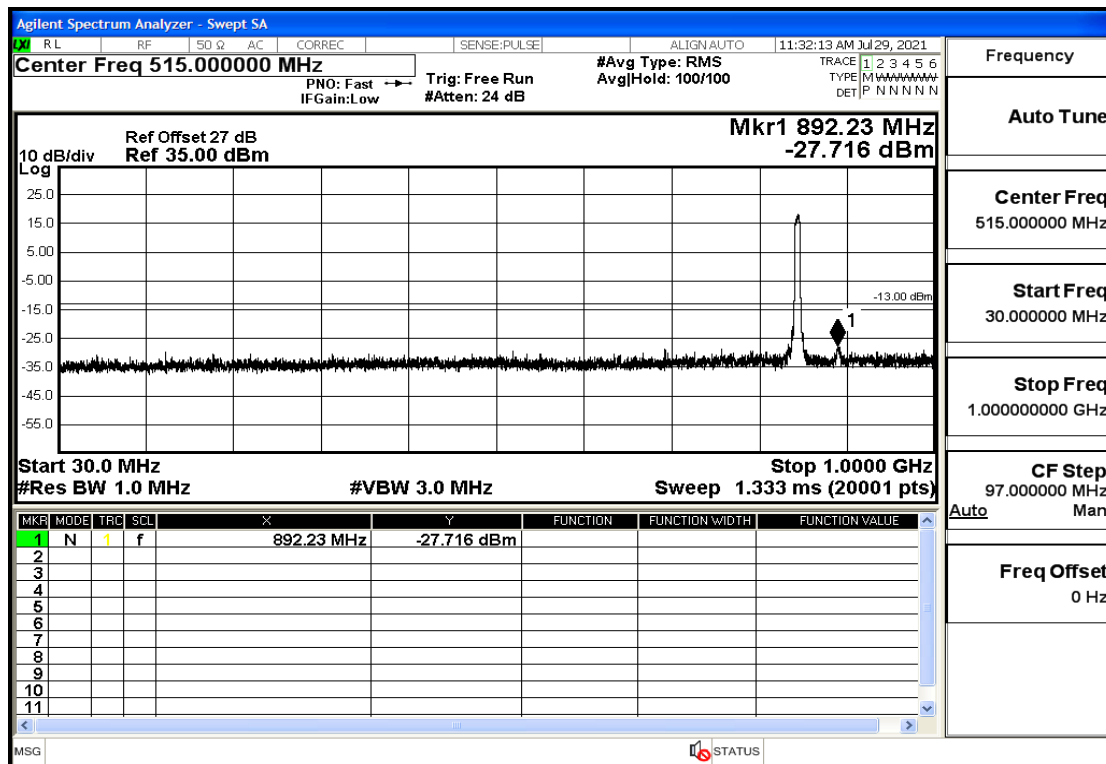
OB5-5-836.5-QPSK-1#HIGH@30mHz-1GHz@Pass



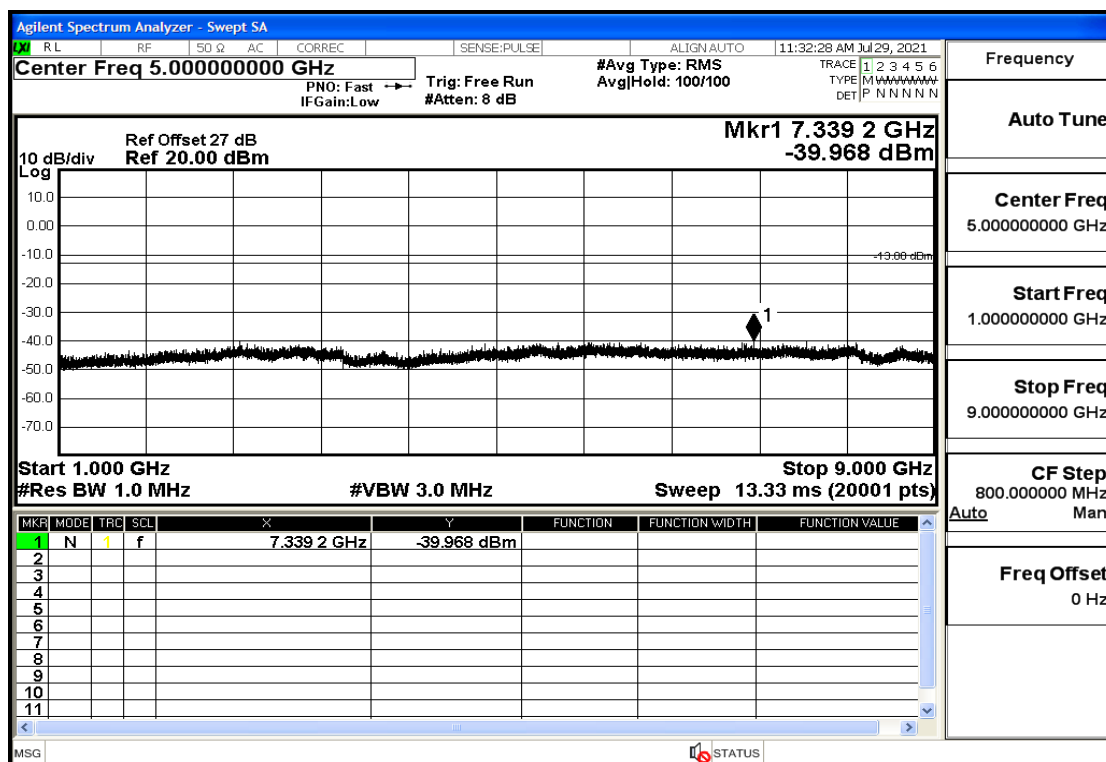
OB5-5-836.5-QPSK-1#HIGH@1GHz-9GHz@Pass



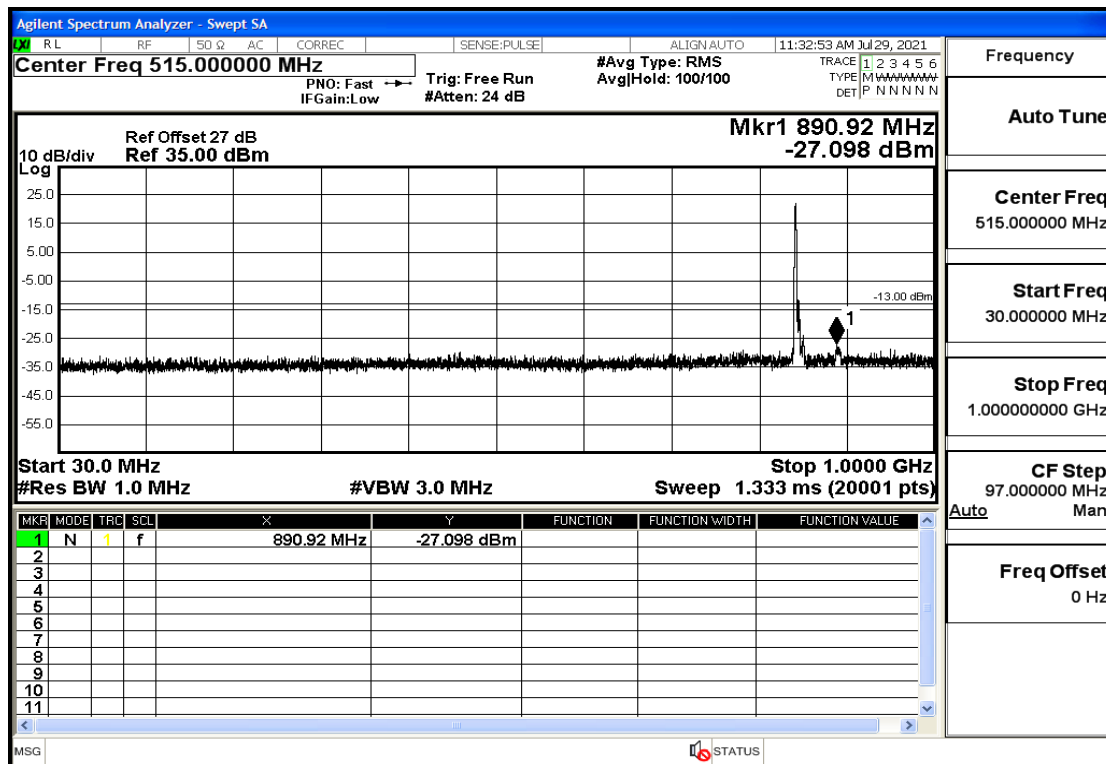
OB5-5-846.5-QPSK-25#LOW@30mHz-1GHz@Pass



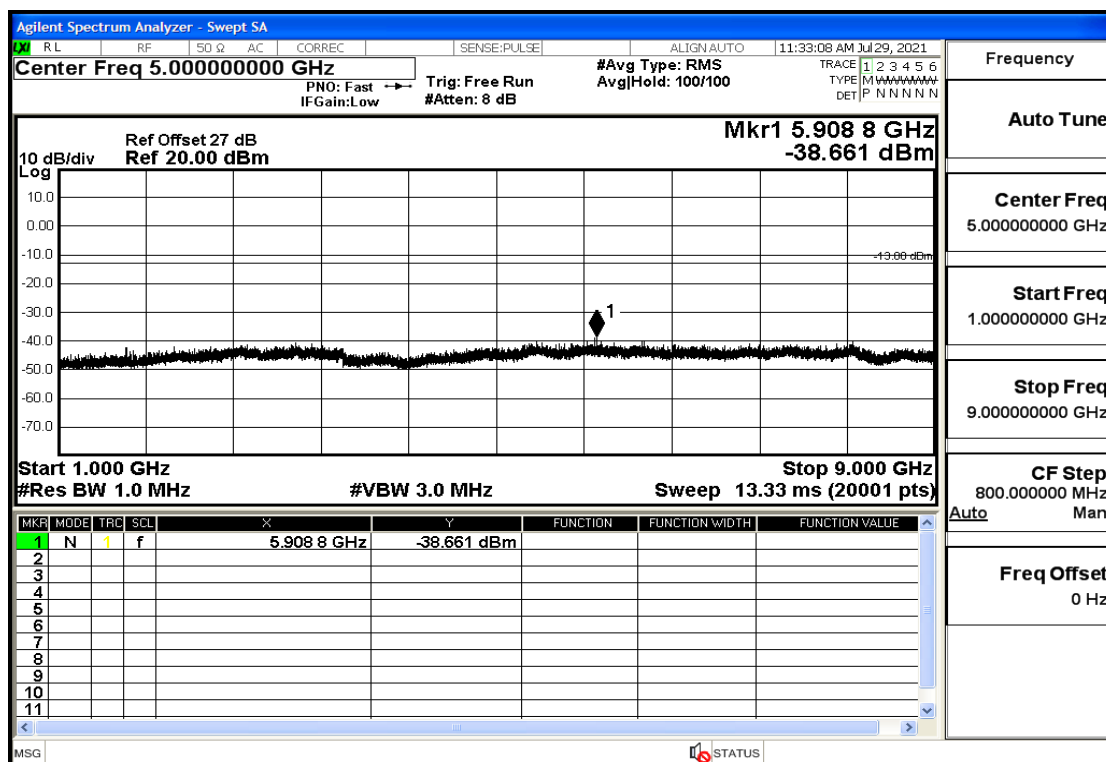
OB5-5-846.5-QPSK-25#LOW@1GHz-9GHz@Pass



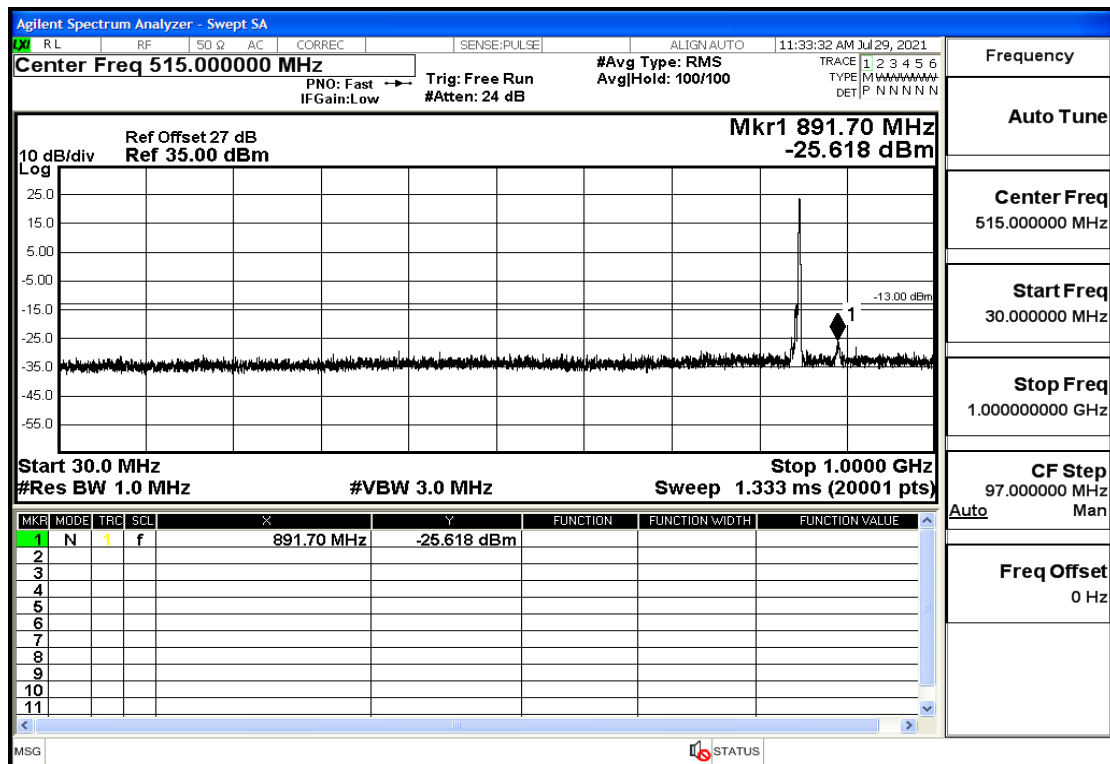
OB5-5-846.5-QPSK-1#LOW@30mHz-1GHz@Pass



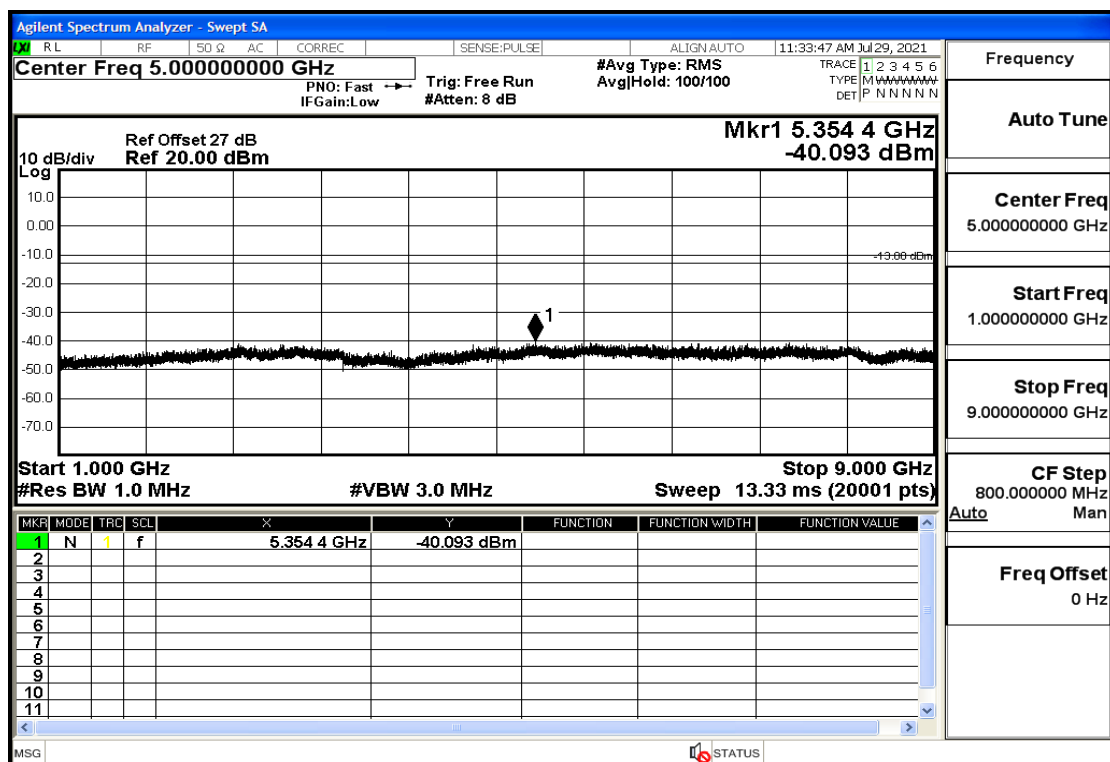
OB5-5-846.5-QPSK-1#LOW@1GHz-9GHz@Pass



OB5-5-846.5-QPSK-1#HIGH@30mHz-1GHz@Pass



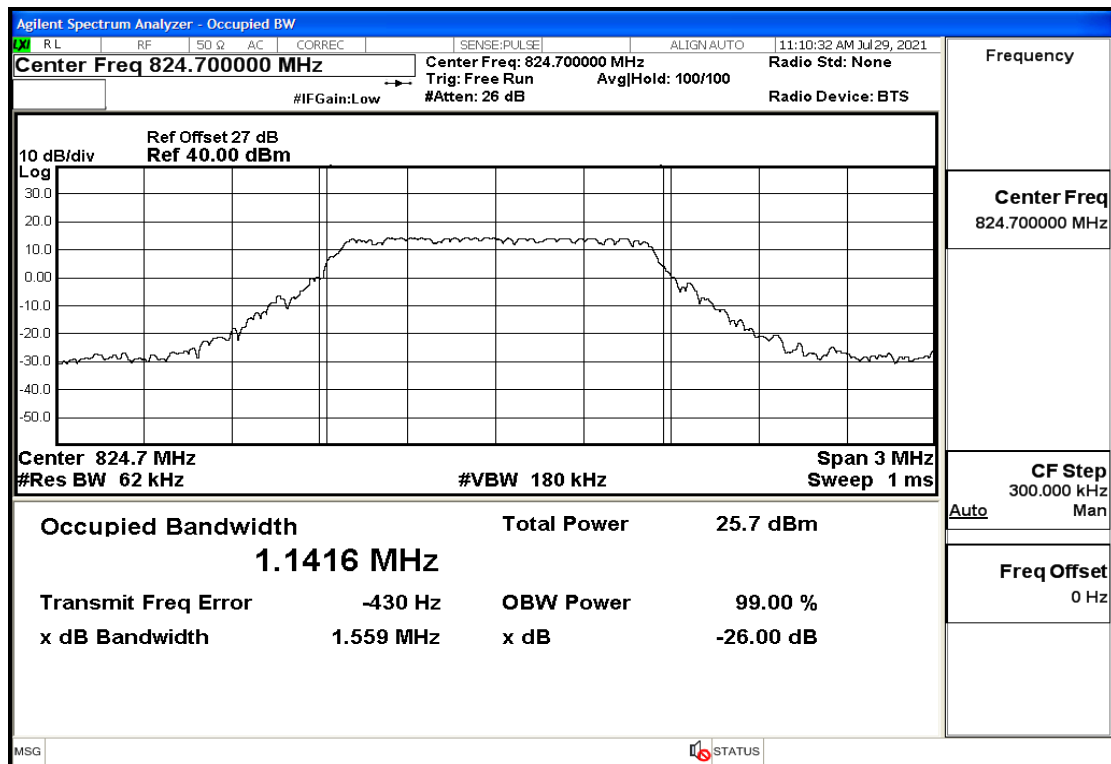
OB5-5-846.5-QPSK-1#HIGH@1GHz-9GHz@Pass



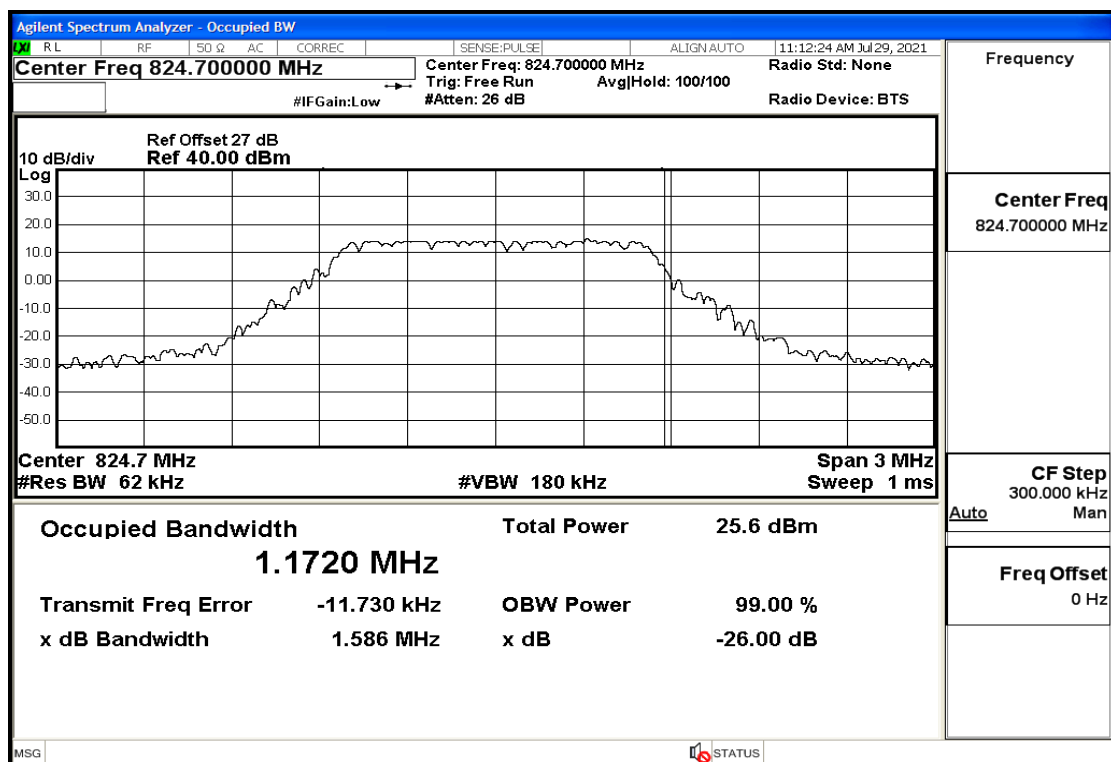
Emission bandwidth and OBW

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Occupied Bandwidth(KHz)	Emission Bandwidth(KHz)	Limit
Band5	1.4	824.7	QPSK	6	LOW	1141.6	1559	No limit
Band5	1.4	824.7	16QAM	6	LOW	1172	1586	No limit
Band5	1.4	836.5	QPSK	6	LOW	1153	1558	No limit
Band5	1.4	836.5	16QAM	6	LOW	1142.8	1582	No limit
Band5	1.4	848.3	QPSK	6	LOW	1137.3	1568	No limit
Band5	1.4	848.3	16QAM	6	LOW	1152.3	1582	No limit
Band5	3	825.5	QPSK	15	LOW	2800.3	3324	No limit
Band5	3	825.5	16QAM	15	LOW	2787.6	3327	No limit
Band5	3	836.5	QPSK	15	LOW	2763.3	3295	No limit
Band5	3	836.5	16QAM	15	LOW	2781.8	3311	No limit
Band5	3	847.5	QPSK	15	LOW	2785.7	3314	No limit
Band5	3	847.5	16QAM	15	LOW	2797.4	3307	No limit
Band5	5	826.5	QPSK	25	LOW	4605.7	5335	No limit
Band5	5	826.5	16QAM	25	LOW	4605.8	5334	No limit
Band5	5	836.5	QPSK	25	LOW	4585.5	5321	No limit
Band5	5	836.5	16QAM	25	LOW	4573.3	5374	No limit
Band5	5	846.5	QPSK	25	LOW	4578.7	5146	No limit
Band5	5	846.5	16QAM	25	LOW	4595	5363	No limit

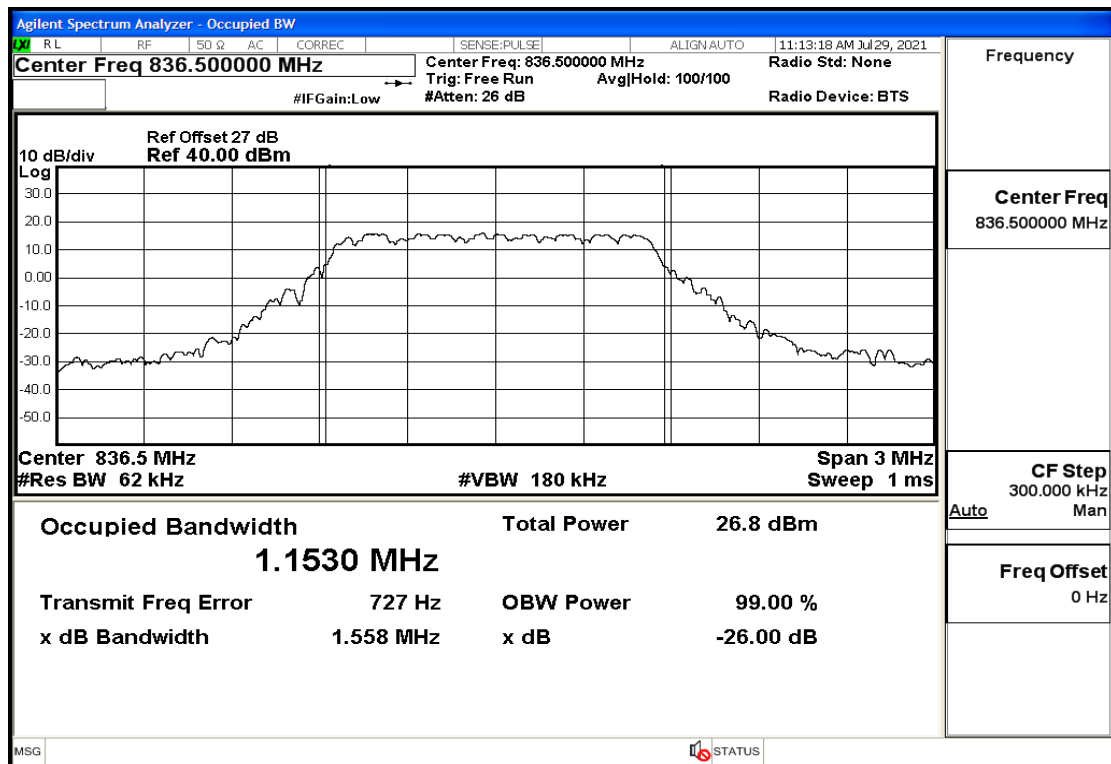
Band5-1.4-824.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



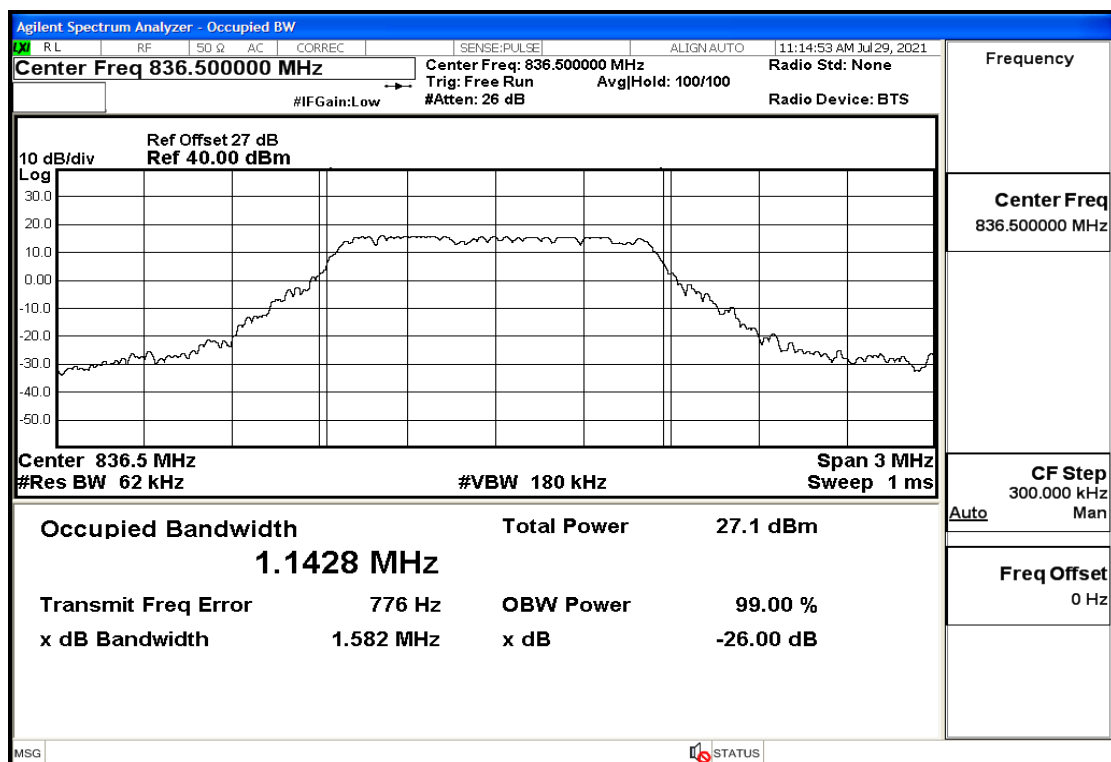
Band5-1.4-824.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



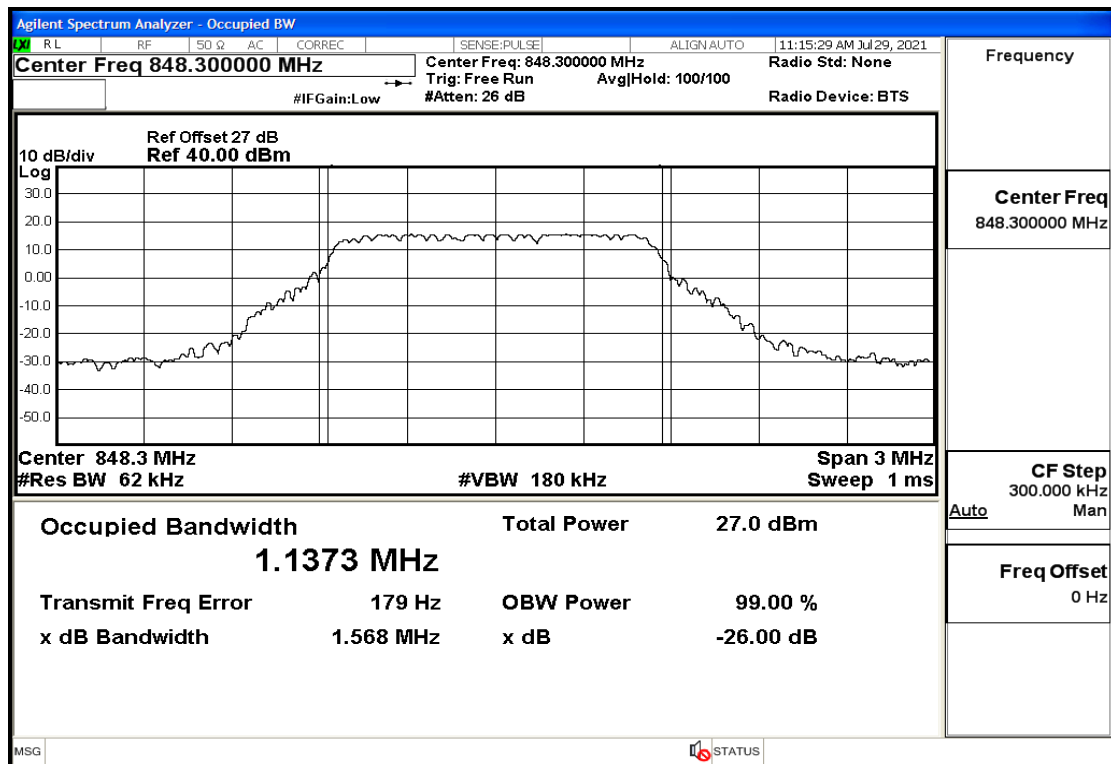
Band5-1.4-836.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



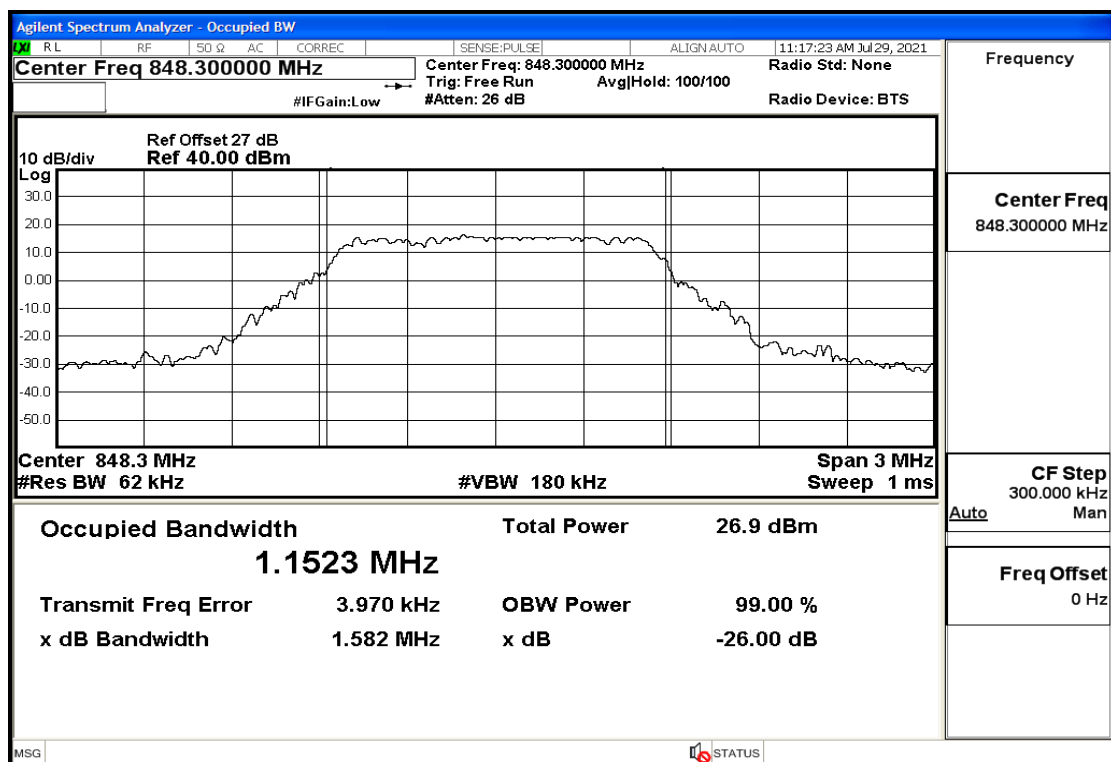
Band5-1.4-836.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



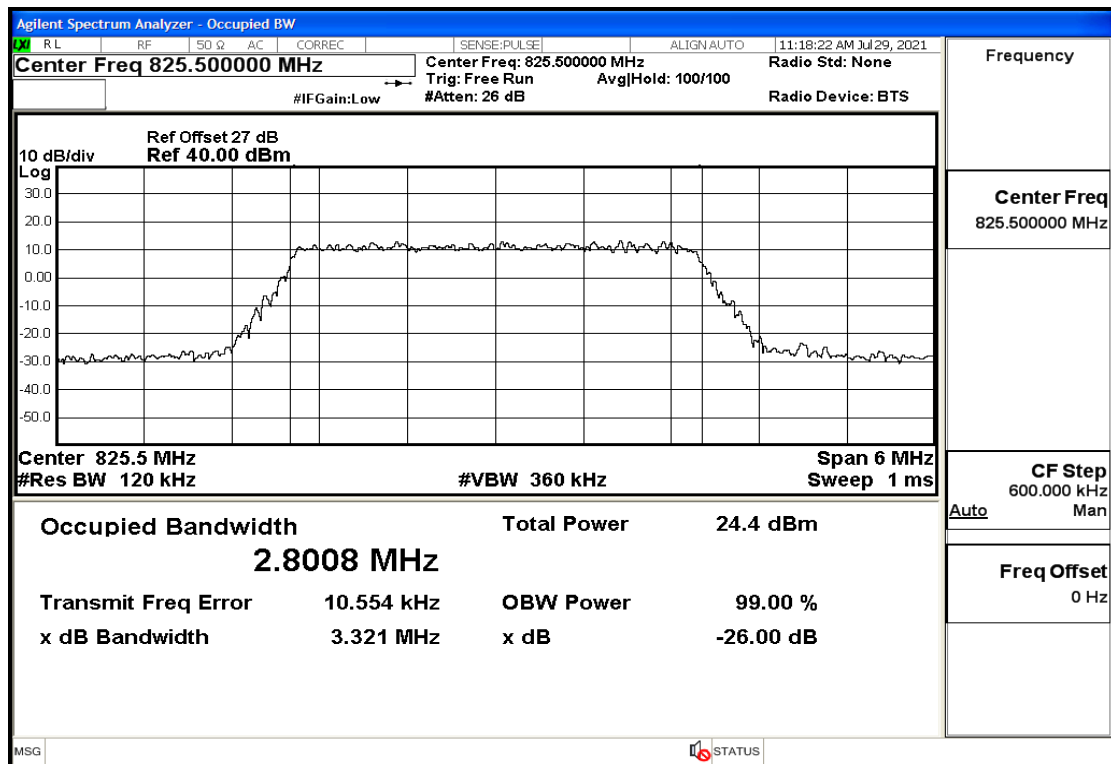
Band5-1.4-848.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



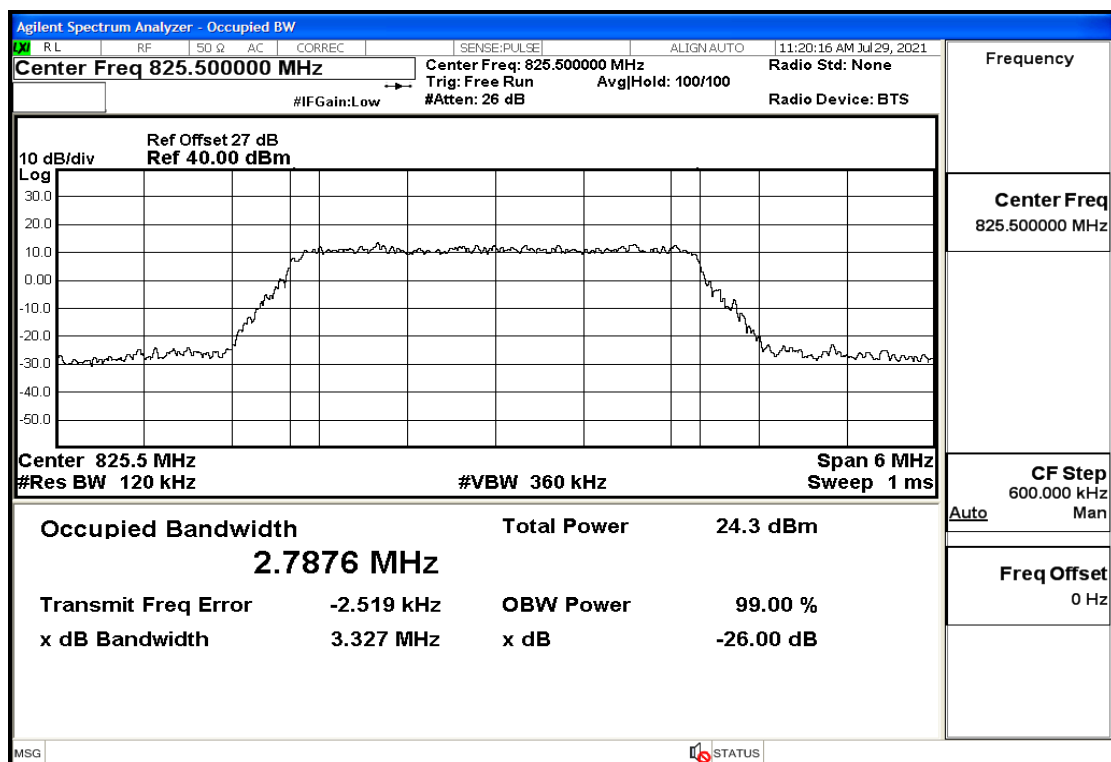
Band5-1.4-848.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



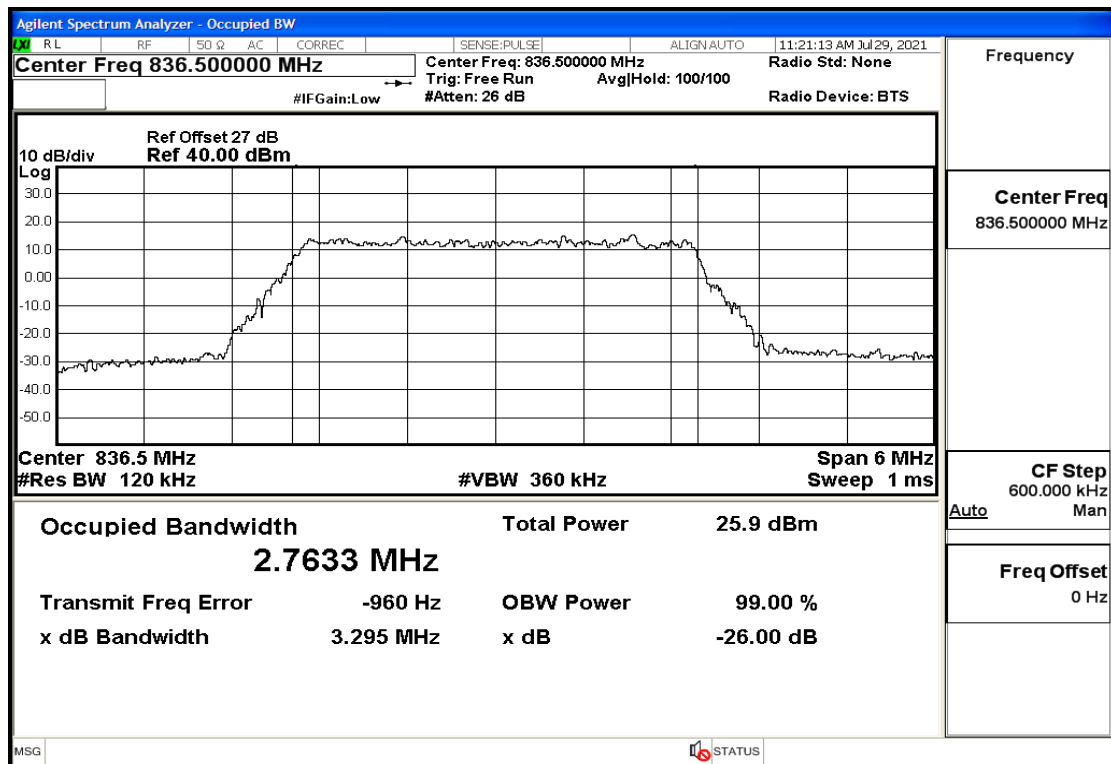
Band5-3-825.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



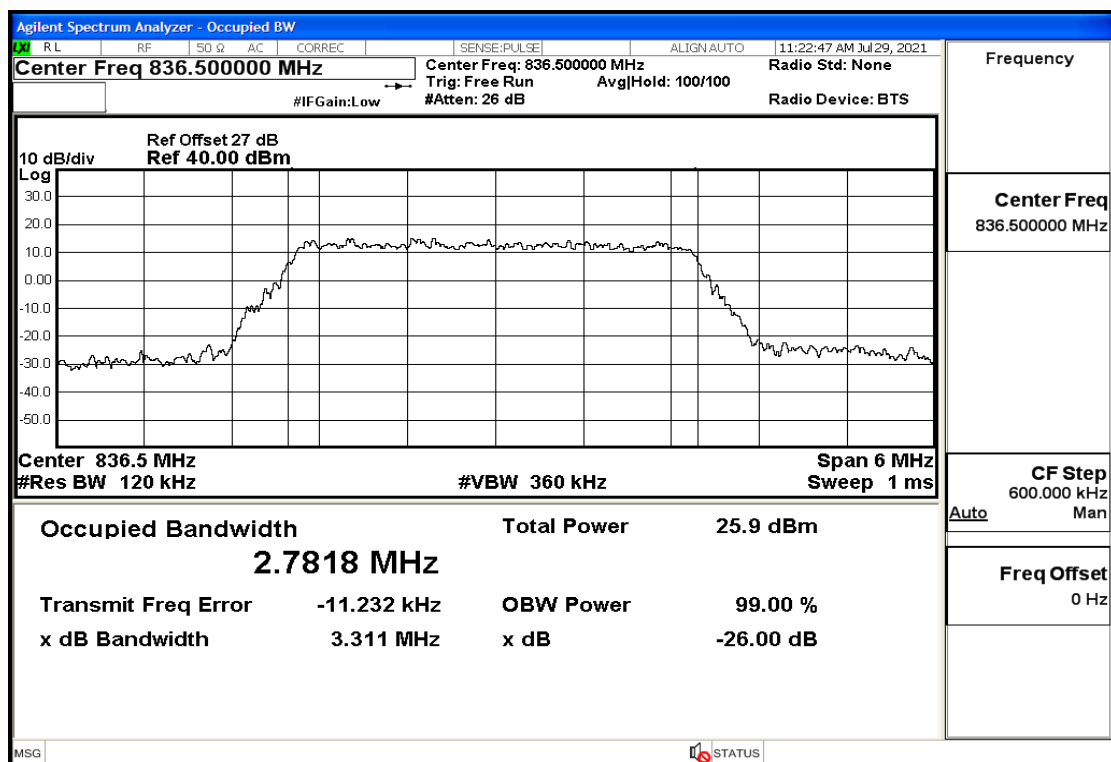
Band5-3-825.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



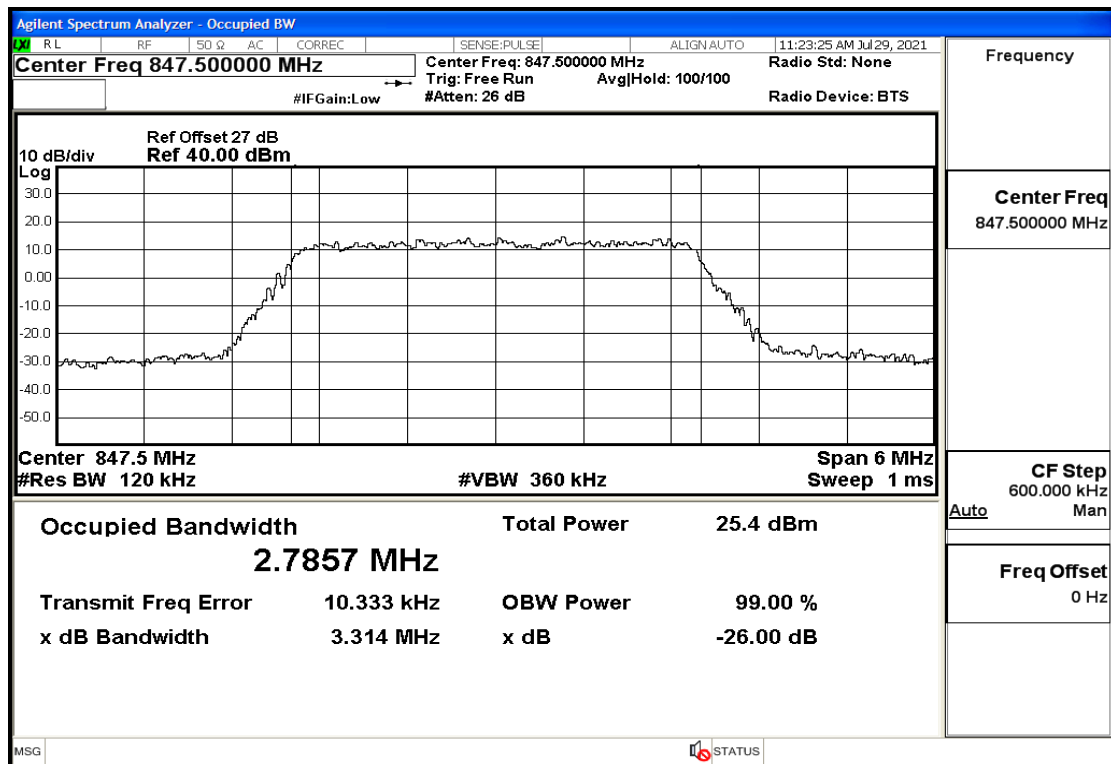
Band5-3-836.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



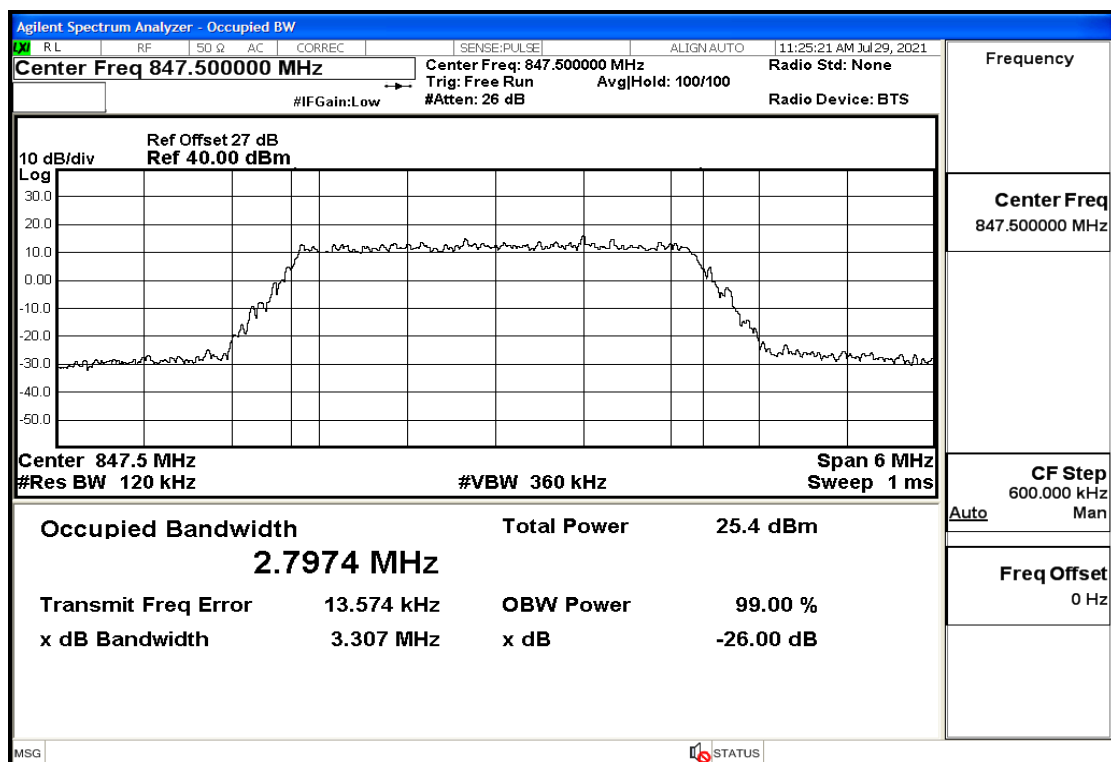
Band5-3-836.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



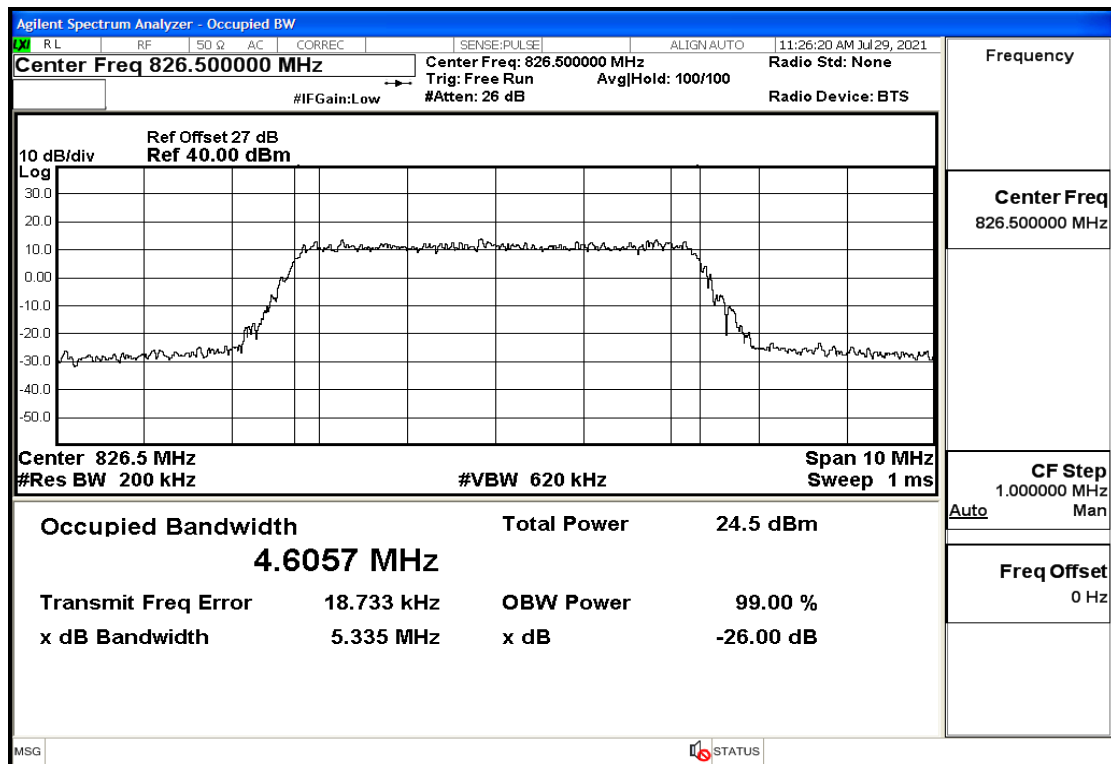
Band5-3-847.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



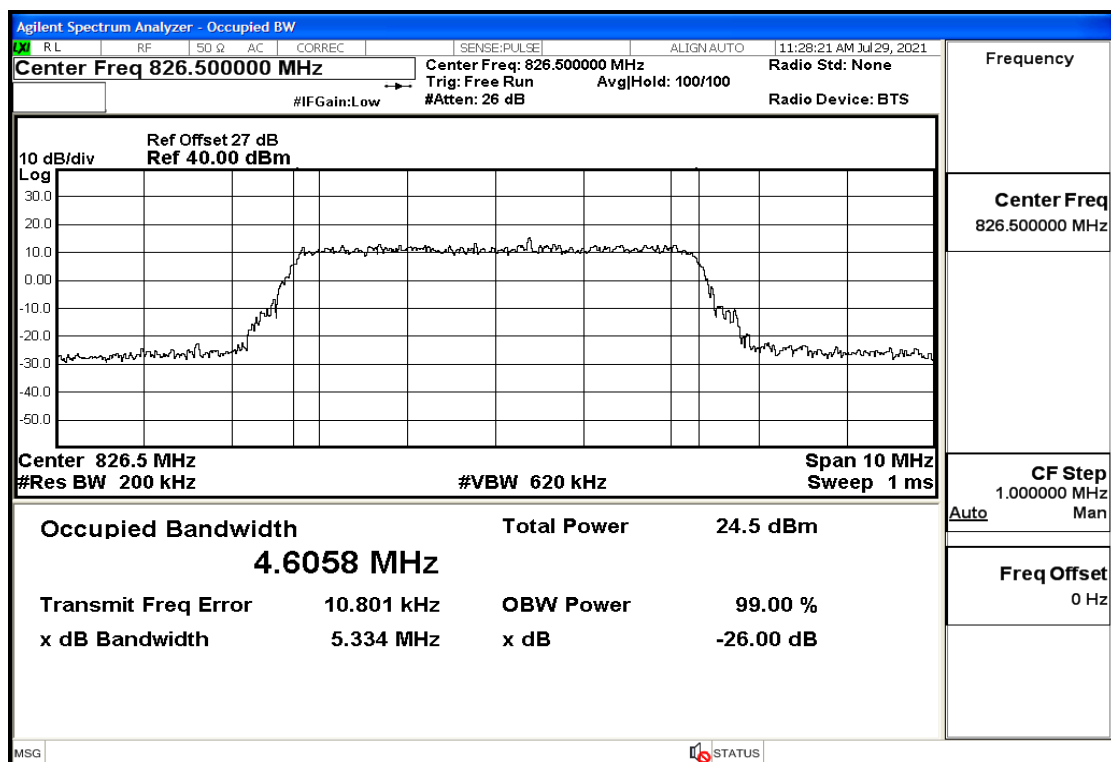
Band5-3-847.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



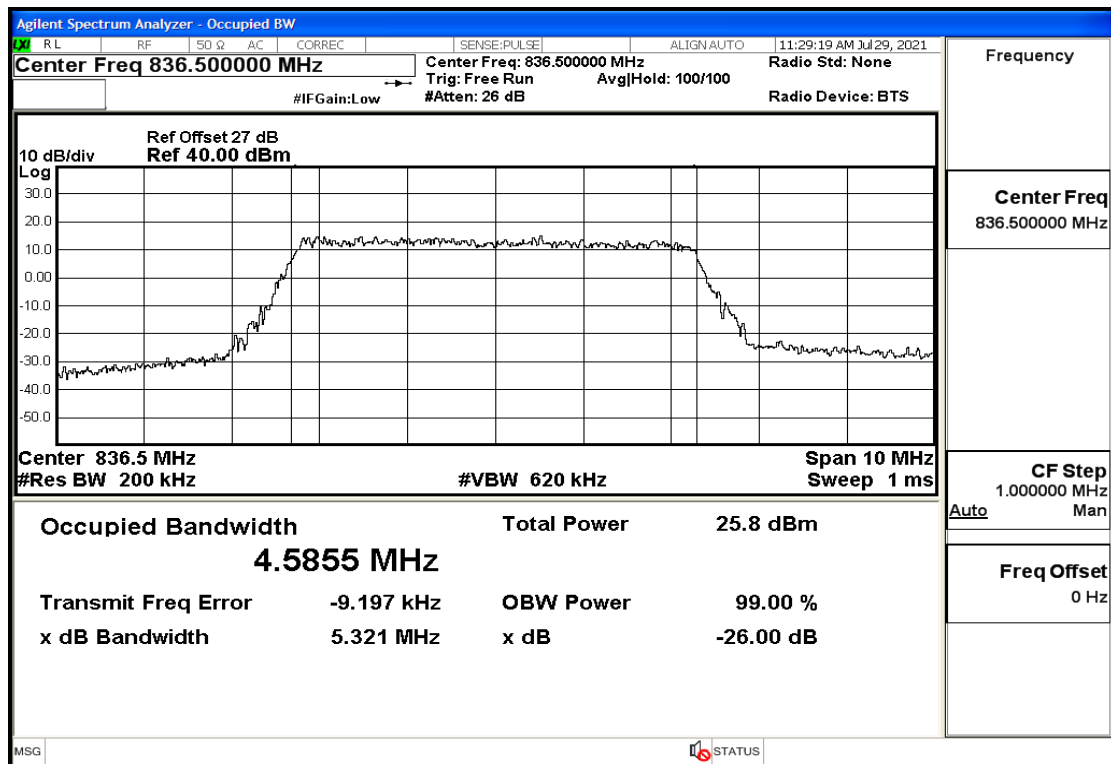
Band5-5-826.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



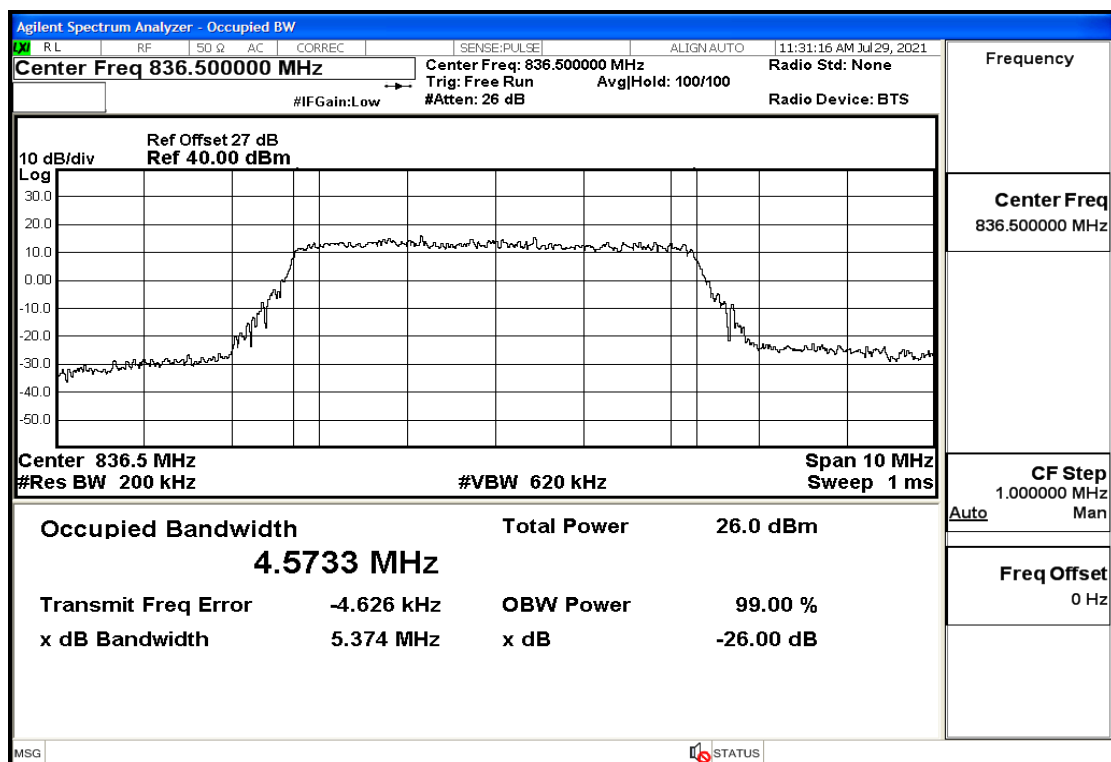
Band5-5-826.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



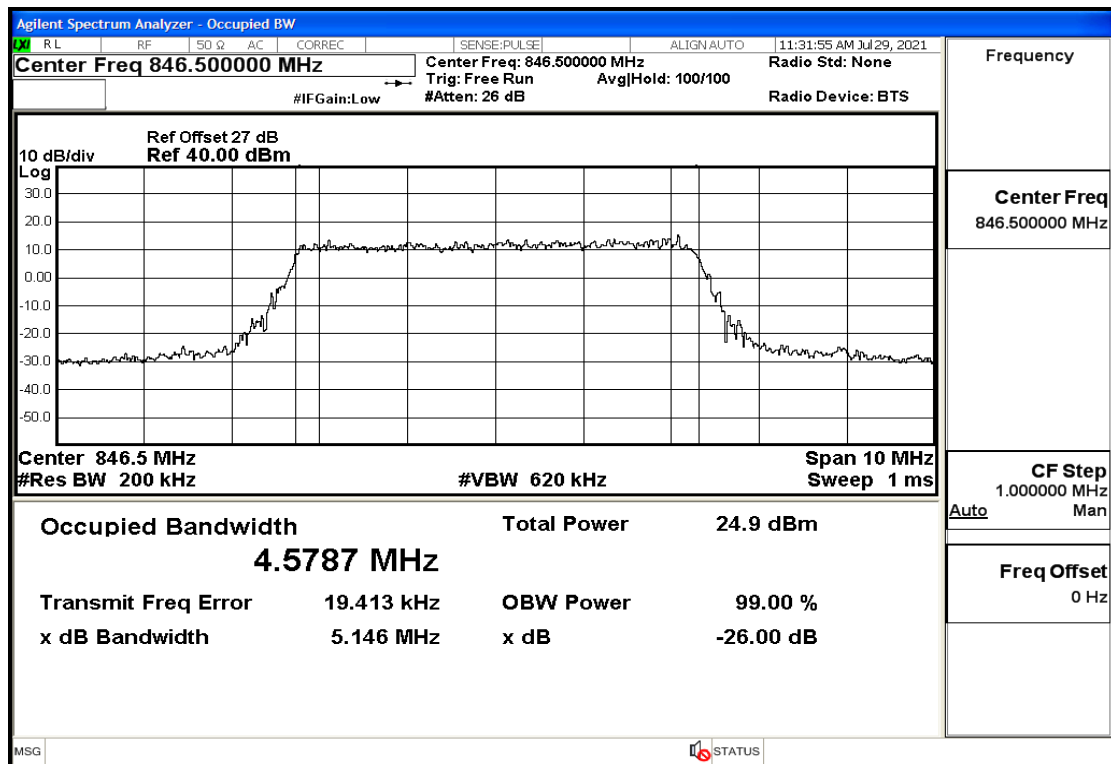
Band5-5-836.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



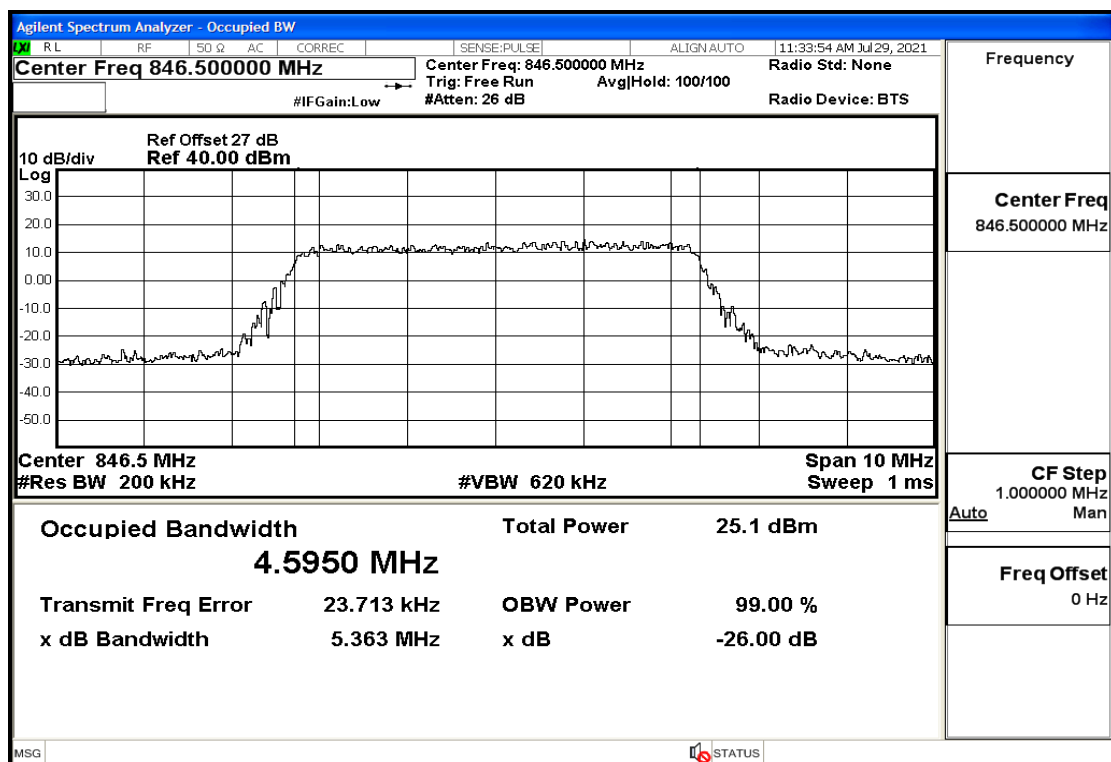
Band5-5-836.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



Band5-5-846.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



Band5-5-846.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



Frequency Stability

Test Conditions		LTE Band 5(QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0628	PASS
40	Normal Voltage	0.0357	
30	Normal Voltage	0.0162	
20(Ref.)	Normal Voltage	0.0280	
10	Normal Voltage	0.0689	
0	Normal Voltage	0.0199	
-10	Normal Voltage	0.0424	
-20	Normal Voltage	0.0396	
-30	Normal Voltage	0.0161	
20	Maximum Voltage	0.0194	
20	Normal Voltage	0.0260	
20	Battery End Point	0.0585	

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
Band5	1.4	824.7	QPSK	6	LOW	20.55	26.83	6.28	13	0.67	19.07	38.5	Pass
Band5	1.4	824.7	QPSK	3	LOW	21.53	27.35	5.82	13	0.67	20.05	38.5	Pass
Band5	1.4	824.7	QPSK	3	MID	21.49	27.3	5.81	13	0.67	20.01	38.5	Pass
Band5	1.4	824.7	QPSK	3	HIGH	21.38	27.55	6.17	13	0.67	19.9	38.5	Pass
Band5	1.4	824.7	QPSK	1	LOW	21.43	27.21	5.78	13	0.67	19.95	38.5	Pass
Band5	1.4	824.7	QPSK	1	MID	21.4	27.27	5.87	13	0.67	19.92	38.5	Pass
Band5	1.4	824.7	QPSK	1	HIGH	21.36	27.3	5.94	13	0.67	19.88	38.5	Pass
Band5	1.4	824.7	16QAM	6	LOW	19.46	27	7.54	13	0.67	17.98	38.5	Pass
Band5	1.4	824.7	16QAM	3	LOW	20.75	26.83	6.08	13	0.67	19.27	38.5	Pass
Band5	1.4	824.7	16QAM	3	MID	20.73	26.75	6.02	13	0.67	19.25	38.5	Pass
Band5	1.4	824.7	16QAM	3	HIGH	20.71	26.88	6.17	13	0.67	19.23	38.5	Pass
Band5	1.4	824.7	16QAM	1	LOW	20.64	26.35	5.71	13	0.67	19.16	38.5	Pass
Band5	1.4	824.7	16QAM	1	MID	20.62	26.41	5.79	13	0.67	19.14	38.5	Pass
Band5	1.4	824.7	16QAM	1	HIGH	20.6	26.42	5.82	13	0.67	19.12	38.5	Pass
Band5	1.4	836.5	QPSK	6	LOW	21.99	27.07	5.08	13	0.67	20.51	38.5	Pass
Band5	1.4	836.5	QPSK	3	LOW	23.03	27.55	4.52	13	0.67	21.55	38.5	Pass
Band5	1.4	836.5	QPSK	3	MID	23.03	27.57	4.54	13	0.67	21.55	38.5	Pass
Band5	1.4	836.5	QPSK	3	HIGH	22.87	27.52	4.65	13	0.67	21.39	38.5	Pass
Band5	1.4	836.5	QPSK	1	LOW	23.12	27.42	4.3	13	0.67	21.64	38.5	Pass
Band5	1.4	836.5	QPSK	1	MID	23	27.29	4.29	13	0.67	21.52	38.5	Pass
Band5	1.4	836.5	QPSK	1	HIGH	22.86	27.23	4.37	13	0.67	21.38	38.5	Pass
Band5	1.4	836.5	16QAM	6	LOW	21.11	27.05	5.94	13	0.67	19.63	38.5	Pass
Band5	1.4	836.5	16QAM	3	LOW	22.15	27.51	5.36	13	0.67	20.67	38.5	Pass
Band5	1.4	836.5	16QAM	3	MID	22.16	27.46	5.3	13	0.67	20.68	38.5	Pass
Band5	1.4	836.5	16QAM	3	HIGH	22.02	27.4	5.38	13	0.67	20.54	38.5	Pass
Band5	1.4	836.5	16QAM	1	LOW	22.27	26.5	4.23	13	0.67	20.79	38.5	Pass
Band5	1.4	836.5	16QAM	1	MID	22.21	26.4	4.19	13	0.67	20.73	38.5	Pass
Band5	1.4	836.5	16QAM	1	HIGH	22.04	26.27	4.23	13	0.67	20.56	38.5	Pass
Band5	1.4	848.3	QPSK	6	LOW	22.35	27.72	5.37	13	0.67	20.87	38.5	Pass
Band5	1.4	848.3	QPSK	3	LOW	23.23	28.16	4.93	13	0.67	21.75	38.5	Pass
Band5	1.4	848.3	QPSK	3	MID	23.19	28.13	4.94	13	0.67	21.71	38.5	Pass
Band5	1.4	848.3	QPSK	3	HIGH	23.29	28.06	4.77	13	0.67	21.81	38.5	Pass
Band5	1.4	848.3	QPSK	1	LOW	23.2	27.76	4.56	13	0.67	21.72	38.5	Pass
Band5	1.4	848.3	QPSK	1	MID	23.22	27.43	4.21	13	0.67	21.74	38.5	Pass
Band5	1.4	848.3	QPSK	1	HIGH	23.26	27.37	4.11	13	0.67	21.78	38.5	Pass
Band5	1.4	848.3	16QAM	6	LOW	21.33	27.56	6.23	13	0.67	19.85	38.5	Pass
Band5	1.4	848.3	16QAM	3	LOW	22.32	28.07	5.75	13	0.67	20.84	38.5	Pass
Band5	1.4	848.3	16QAM	3	MID	22.32	28.07	5.75	13	0.67	20.84	38.5	Pass
Band5	1.4	848.3	16QAM	3	HIGH	22.34	27.83	5.49	13	0.67	20.86	38.5	Pass
Band5	1.4	848.3	16QAM	1	LOW	22.47	27.16	4.69	13	0.67	20.99	38.5	Pass

Band5	1.4	848.3	16QAM	1	MID	22.5	26.87	4.37	13	0.67	21.02	38.5	Pass
Band5	1.4	848.3	16QAM	1	HIGH	22.56	26.89	4.33	13	0.67	21.08	38.5	Pass
Band5	3	825.5	QPSK	15	LOW	20.68	27.29	6.61	13	0.67	19.2	38.5	Pass
Band5	3	825.5	QPSK	8	LOW	20.52	26.39	5.87	13	0.67	19.04	38.5	Pass
Band5	3	825.5	QPSK	8	MID	20.5	26.32	5.82	13	0.67	19.02	38.5	Pass
Band5	3	825.5	QPSK	8	HIGH	20.54	26.68	6.14	13	0.67	19.06	38.5	Pass
Band5	3	825.5	QPSK	1	LOW	21.36	26.33	4.97	13	0.67	19.88	38.5	Pass
Band5	3	825.5	QPSK	1	MID	21.4	26.53	5.13	13	0.67	19.92	38.5	Pass
Band5	3	825.5	QPSK	1	HIGH	21.47	26.92	5.45	13	0.67	19.99	38.5	Pass
Band5	3	825.5	16QAM	15	LOW	19.51	25.89	6.38	13	0.67	18.03	38.5	Pass
Band5	3	825.5	16QAM	8	LOW	19.66	26.39	6.73	13	0.67	18.18	38.5	Pass
Band5	3	825.5	16QAM	8	MID	19.69	26.43	6.74	13	0.67	18.21	38.5	Pass
Band5	3	825.5	16QAM	8	HIGH	19.75	26.58	6.83	13	0.67	18.27	38.5	Pass
Band5	3	825.5	16QAM	1	LOW	21.1	27.23	6.13	13	0.67	19.62	38.5	Pass
Band5	3	825.5	16QAM	1	MID	21.19	27.81	6.62	13	0.67	19.71	38.5	Pass
Band5	3	825.5	16QAM	1	HIGH	21.17	28.05	6.88	13	0.67	19.69	38.5	Pass
Band5	3	836.5	QPSK	15	LOW	22.01	27.18	5.17	13	0.67	20.53	38.5	Pass
Band5	3	836.5	QPSK	8	LOW	22.2	27.32	5.12	13	0.67	20.72	38.5	Pass
Band5	3	836.5	QPSK	8	MID	22.23	27.43	5.2	13	0.67	20.75	38.5	Pass
Band5	3	836.5	QPSK	8	HIGH	21.83	27.07	5.24	13	0.67	20.35	38.5	Pass
Band5	3	836.5	QPSK	1	LOW	23.33	27.52	4.19	13	0.67	21.85	38.5	Pass
Band5	3	836.5	QPSK	1	MID	23.06	27.36	4.3	13	0.67	21.58	38.5	Pass
Band5	3	836.5	QPSK	1	HIGH	22.48	27.06	4.58	13	0.67	21	38.5	Pass
Band5	3	836.5	16QAM	15	LOW	21.08	27.88	6.8	13	0.67	19.6	38.5	Pass
Band5	3	836.5	16QAM	8	LOW	21.29	26.74	5.45	13	0.67	19.81	38.5	Pass
Band5	3	836.5	16QAM	8	MID	21.31	27	5.69	13	0.67	19.83	38.5	Pass
Band5	3	836.5	16QAM	8	HIGH	20.92	26.49	5.57	13	0.67	19.44	38.5	Pass
Band5	3	836.5	16QAM	1	LOW	22.54	26.69	4.15	13	0.67	21.06	38.5	Pass
Band5	3	836.5	16QAM	1	MID	22.2	26.35	4.15	13	0.67	20.72	38.5	Pass
Band5	3	836.5	16QAM	1	HIGH	21.71	26.07	4.36	13	0.67	20.23	38.5	Pass
Band5	3	847.5	QPSK	15	LOW	22.01	28.87	6.86	13	0.67	20.53	38.5	Pass
Band5	3	847.5	QPSK	8	LOW	21.66	28.03	6.37	13	0.67	20.18	38.5	Pass
Band5	3	847.5	QPSK	8	MID	21.68	27.77	6.09	13	0.67	20.2	38.5	Pass
Band5	3	847.5	QPSK	8	HIGH	22.22	27.92	5.7	13	0.67	20.74	38.5	Pass
Band5	3	847.5	QPSK	1	LOW	22.31	27.78	5.47	13	0.67	20.83	38.5	Pass
Band5	3	847.5	QPSK	1	MID	23.12	27.89	4.77	13	0.67	21.64	38.5	Pass
Band5	3	847.5	QPSK	1	HIGH	23.21	27.32	4.11	13	0.67	21.73	38.5	Pass
Band5	3	847.5	16QAM	15	LOW	21.08	27.64	6.56	13	0.67	19.6	38.5	Pass
Band5	3	847.5	16QAM	8	LOW	20.82	26.95	6.13	13	0.67	19.34	38.5	Pass
Band5	3	847.5	16QAM	8	MID	20.82	26.94	6.12	13	0.67	19.34	38.5	Pass
Band5	3	847.5	16QAM	8	HIGH	21.39	27.25	5.86	13	0.67	19.91	38.5	Pass
Band5	3	847.5	16QAM	1	LOW	21.53	26.67	5.14	13	0.67	20.05	38.5	Pass
Band5	3	847.5	16QAM	1	MID	22.38	27.13	4.75	13	0.67	20.9	38.5	Pass
Band5	3	847.5	16QAM	1	HIGH	22.48	26.81	4.33	13	0.67	21	38.5	Pass
Band5	5	826.5	QPSK	25	LOW	20.81	27.29	6.48	13	0.67	19.33	38.5	Pass
Band5	5	826.5	QPSK	12	LOW	20.46	26.38	5.92	13	0.67	18.98	38.5	Pass

Band5	5	826.5	QPSK	12	MID	20.44	26.24	5.8	13	0.67	18.96	38.5	Pass
Band5	5	826.5	QPSK	12	HIGH	20.75	27.2	6.45	13	0.67	19.27	38.5	Pass
Band5	5	826.5	QPSK	1	LOW	21.25	27.57	6.32	13	0.67	19.77	38.5	Pass
Band5	5	826.5	QPSK	1	MID	21.6	28.21	6.61	13	0.67	20.12	38.5	Pass
Band5	5	826.5	QPSK	1	HIGH	21.86	28.53	6.67	13	0.67	20.38	38.5	Pass
Band5	5	826.5	16QAM	25	LOW	19.62	27.62	8	13	0.67	18.14	38.5	Pass
Band5	5	826.5	16QAM	12	LOW	19.45	26.88	7.43	13	0.67	17.97	38.5	Pass
Band5	5	826.5	16QAM	12	MID	19.47	26.76	7.29	13	0.67	17.99	38.5	Pass
Band5	5	826.5	16QAM	12	HIGH	19.83	27.62	7.79	13	0.67	18.35	38.5	Pass
Band5	5	826.5	16QAM	1	LOW	20.37	25.89	5.52	13	0.67	18.89	38.5	Pass
Band5	5	826.5	16QAM	1	MID	20.71	26.53	5.82	13	0.67	19.23	38.5	Pass
Band5	5	826.5	16QAM	1	HIGH	20.93	26.97	6.04	13	0.67	19.45	38.5	Pass
Band5	5	836.5	QPSK	25	LOW	21.92	27.56	5.64	13	0.67	20.44	38.5	Pass
Band5	5	836.5	QPSK	12	LOW	22.25	27.62	5.37	13	0.67	20.77	38.5	Pass
Band5	5	836.5	QPSK	12	MID	22.26	27.7	5.44	13	0.67	20.78	38.5	Pass
Band5	5	836.5	QPSK	12	HIGH	21.61	27.32	5.71	13	0.67	20.13	38.5	Pass
Band5	5	836.5	QPSK	1	LOW	23.29	27.53	4.24	13	0.67	21.81	38.5	Pass
Band5	5	836.5	QPSK	1	MID	23.03	27.25	4.22	13	0.67	21.55	38.5	Pass
Band5	5	836.5	QPSK	1	HIGH	22.07	26.89	4.82	13	0.67	20.59	38.5	Pass
Band5	5	836.5	16QAM	25	LOW	21.05	28.36	7.31	13	0.67	19.57	38.5	Pass
Band5	5	836.5	16QAM	12	LOW	21.47	27.16	5.69	13	0.67	19.99	38.5	Pass
Band5	5	836.5	16QAM	12	MID	21.51	27.19	5.68	13	0.67	20.03	38.5	Pass
Band5	5	836.5	16QAM	12	HIGH	20.82	26.82	6	13	0.67	19.34	38.5	Pass
Band5	5	836.5	16QAM	1	LOW	22.72	27.44	4.72	13	0.67	21.24	38.5	Pass
Band5	5	836.5	16QAM	1	MID	22.43	27.15	4.72	13	0.67	20.95	38.5	Pass
Band5	5	836.5	16QAM	1	HIGH	21.46	26.68	5.22	13	0.67	19.98	38.5	Pass
Band5	5	846.5	QPSK	25	LOW	21.59	27.64	6.05	13	0.67	20.11	38.5	Pass
Band5	5	846.5	QPSK	12	LOW	20.9	26.99	6.09	13	0.67	19.42	38.5	Pass
Band5	5	846.5	QPSK	12	MID	20.86	27.01	6.15	13	0.67	19.38	38.5	Pass
Band5	5	846.5	QPSK	12	HIGH	22.02	27.49	5.47	13	0.67	20.54	38.5	Pass
Band5	5	846.5	QPSK	1	LOW	21.39	27.41	6.02	13	0.67	19.91	38.5	Pass
Band5	5	846.5	QPSK	1	MID	22.63	28.06	5.43	13	0.67	21.15	38.5	Pass
Band5	5	846.5	QPSK	1	HIGH	23.01	27.57	4.56	13	0.67	21.53	38.5	Pass
Band5	5	846.5	16QAM	25	LOW	20.58	28.18	7.6	13	0.67	19.1	38.5	Pass
Band5	5	846.5	16QAM	12	LOW	19.94	26.71	6.77	13	0.67	18.46	38.5	Pass
Band5	5	846.5	16QAM	12	MID	19.94	26.72	6.78	13	0.67	18.46	38.5	Pass
Band5	5	846.5	16QAM	12	HIGH	21.02	27.18	6.16	13	0.67	19.54	38.5	Pass
Band5	5	846.5	16QAM	1	LOW	20.51	27.32	6.81	13	0.67	19.03	38.5	Pass
Band5	5	846.5	16QAM	1	MID	21.65	28.05	6.4	13	0.67	20.17	38.5	Pass
Band5	5	846.5	16QAM	1	HIGH	22.14	27.54	5.4	13	0.67	20.66	38.5	Pass