

## 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**

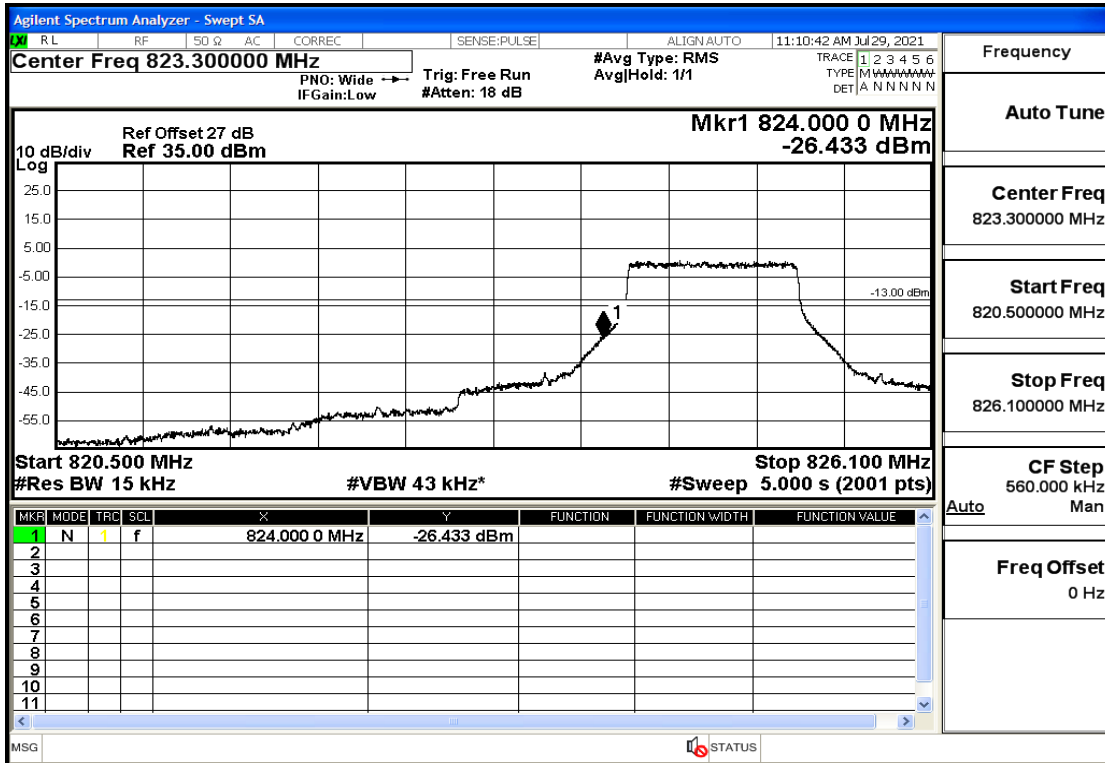
### Environmental Conditions

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

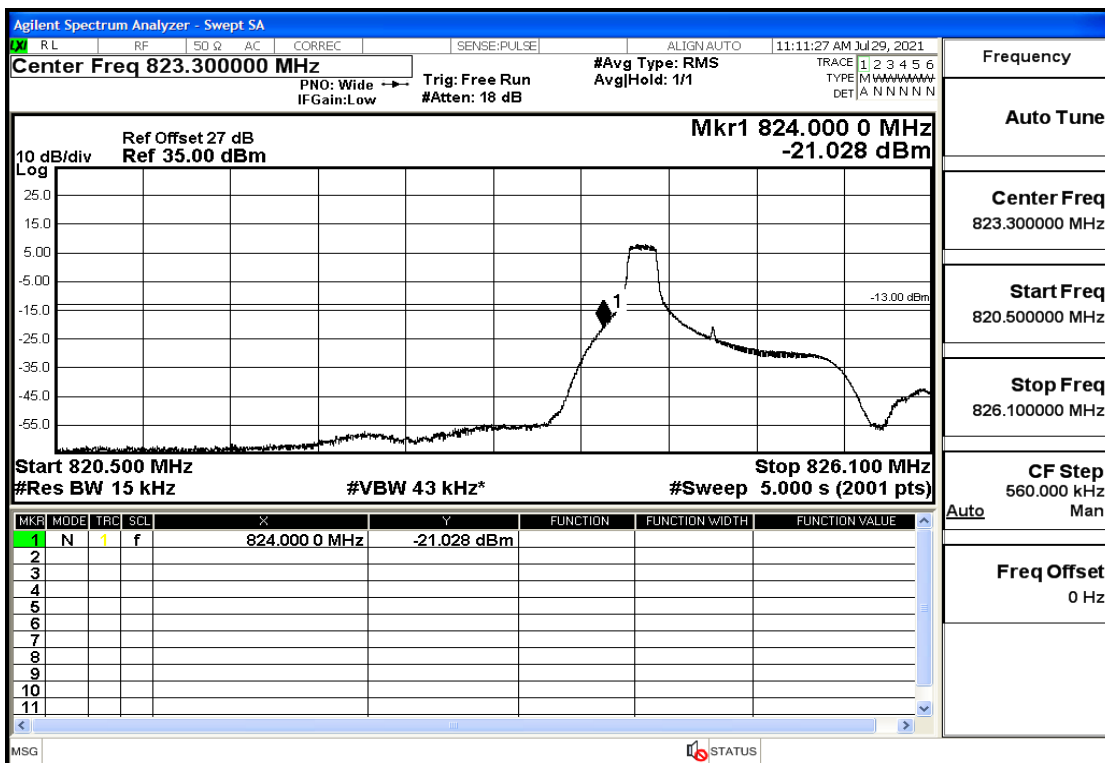
## Band Edge and Emission Mask

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

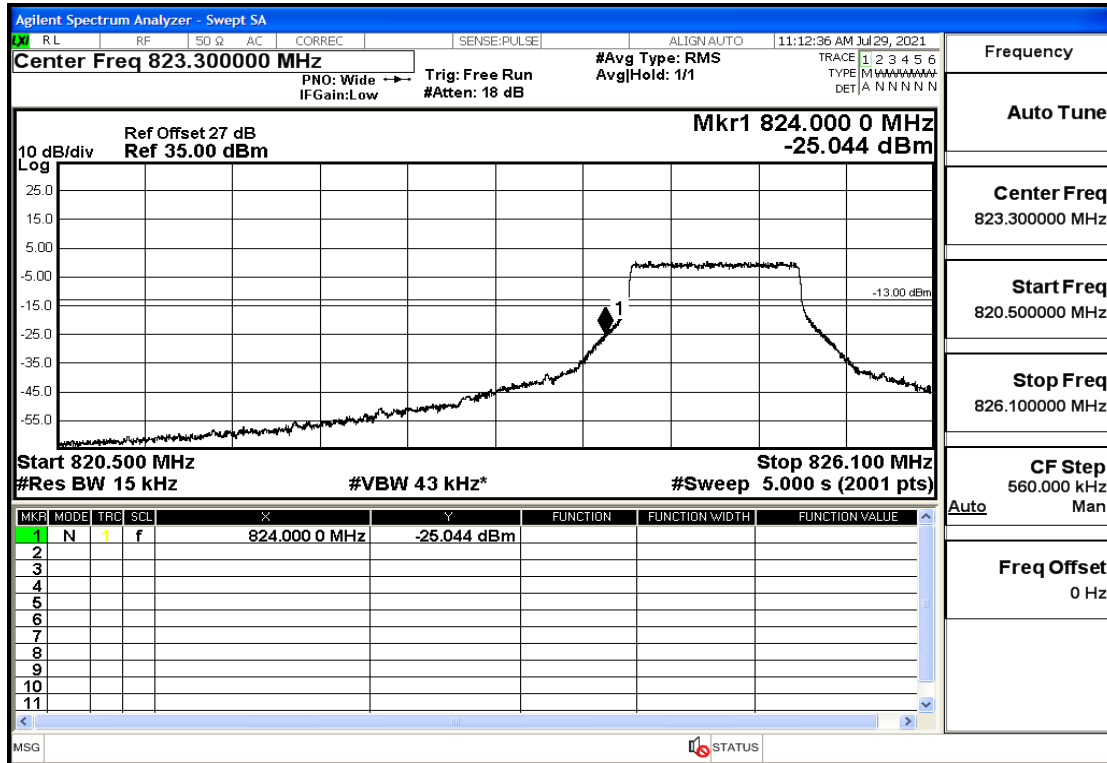
Band5-1.4-824.7-QPSK-6#LOW@Pass



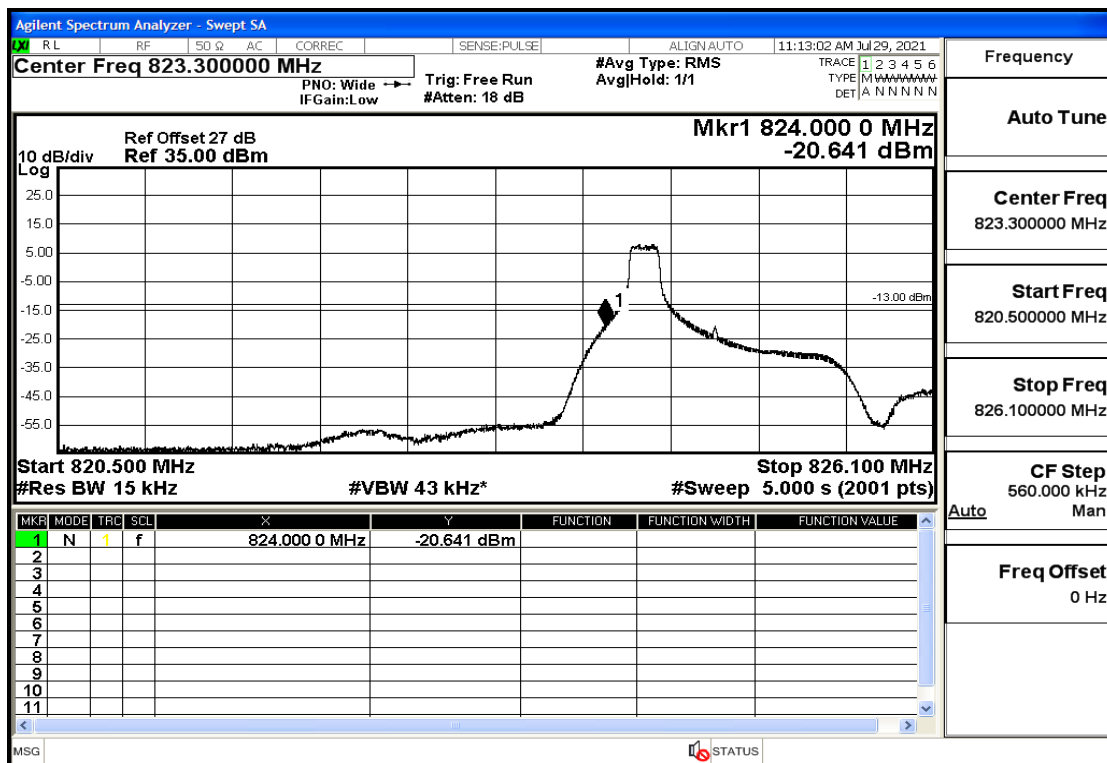
Band5-1.4-824.7-QPSK-1#LOW@Pass



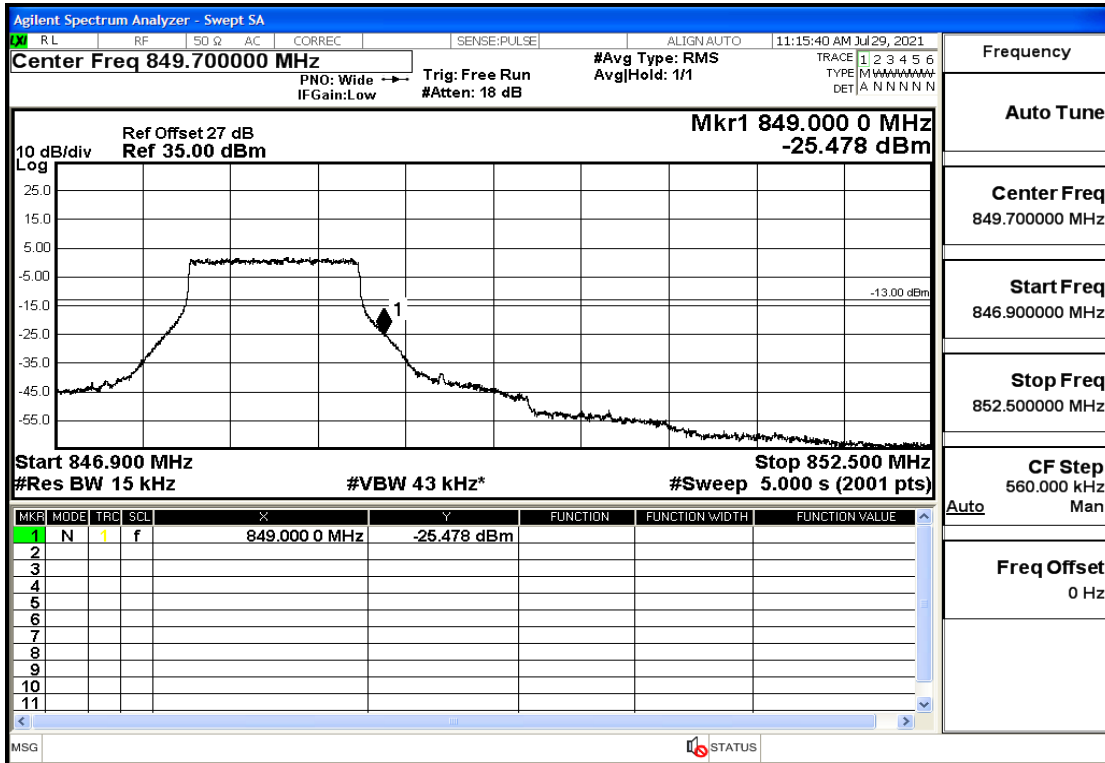
Band5-1.4-824.7-16QAM-6#LOW@Pass



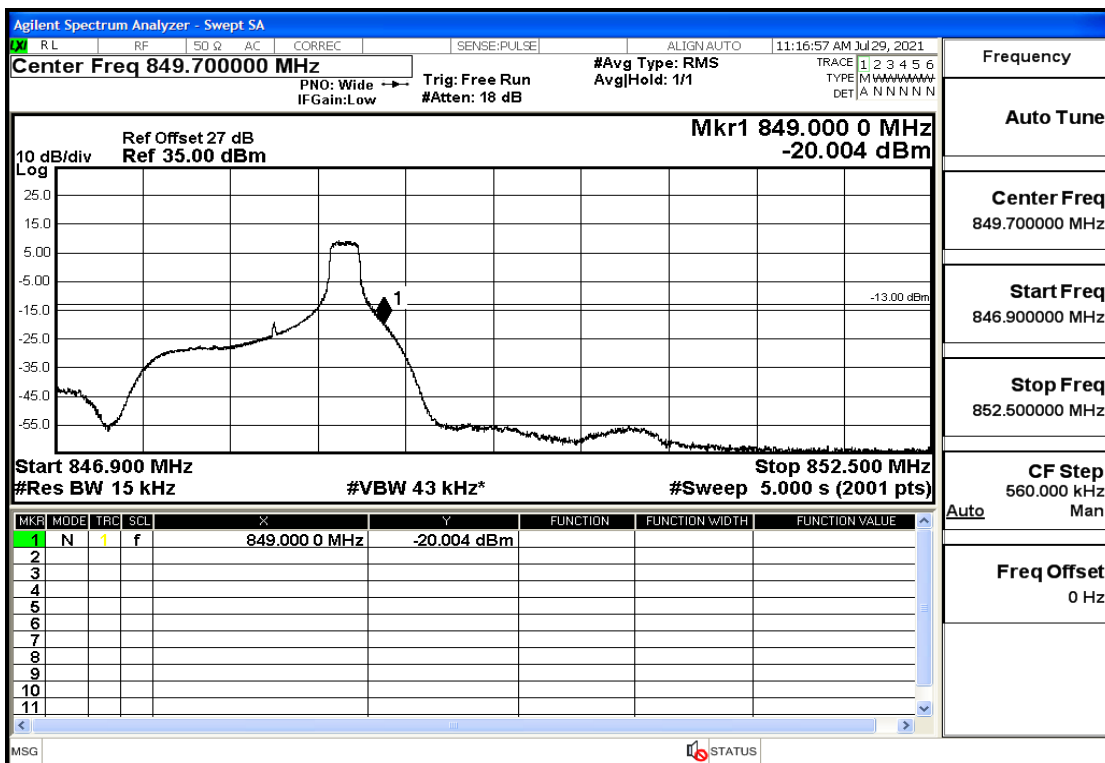
Band5-1.4-824.7-16QAM-1#LOW@Pass



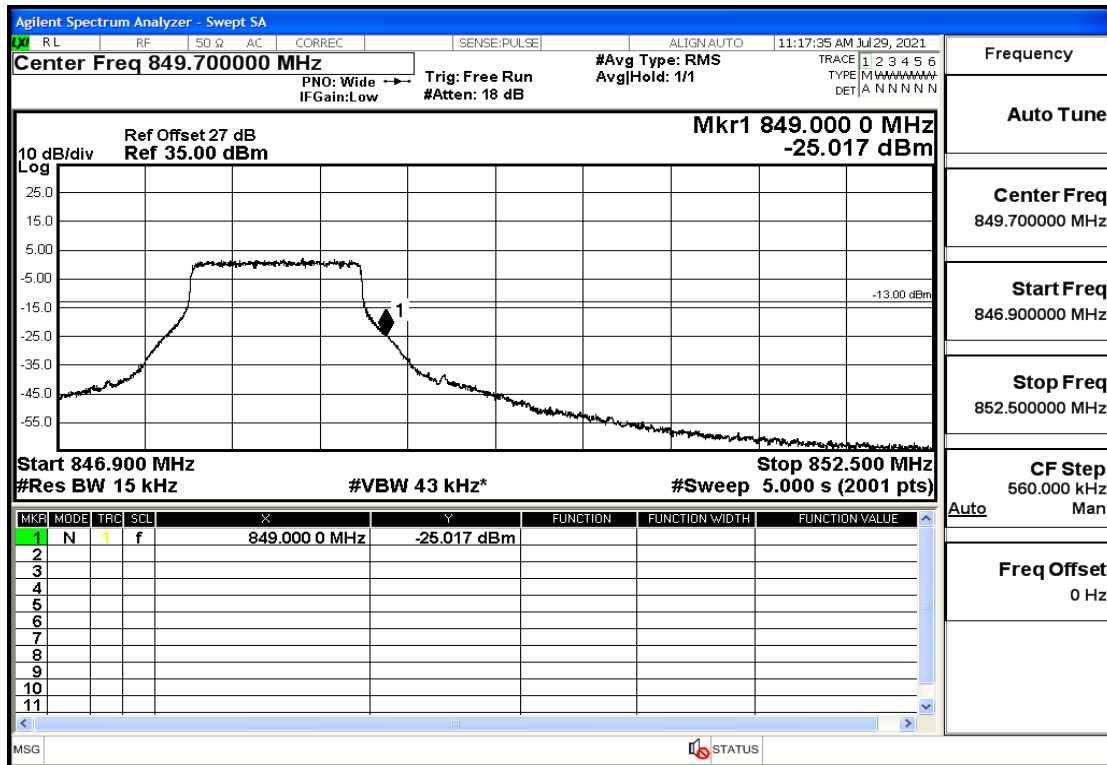
Band5-1.4-848.3-QPSK-6#LOW@Pass



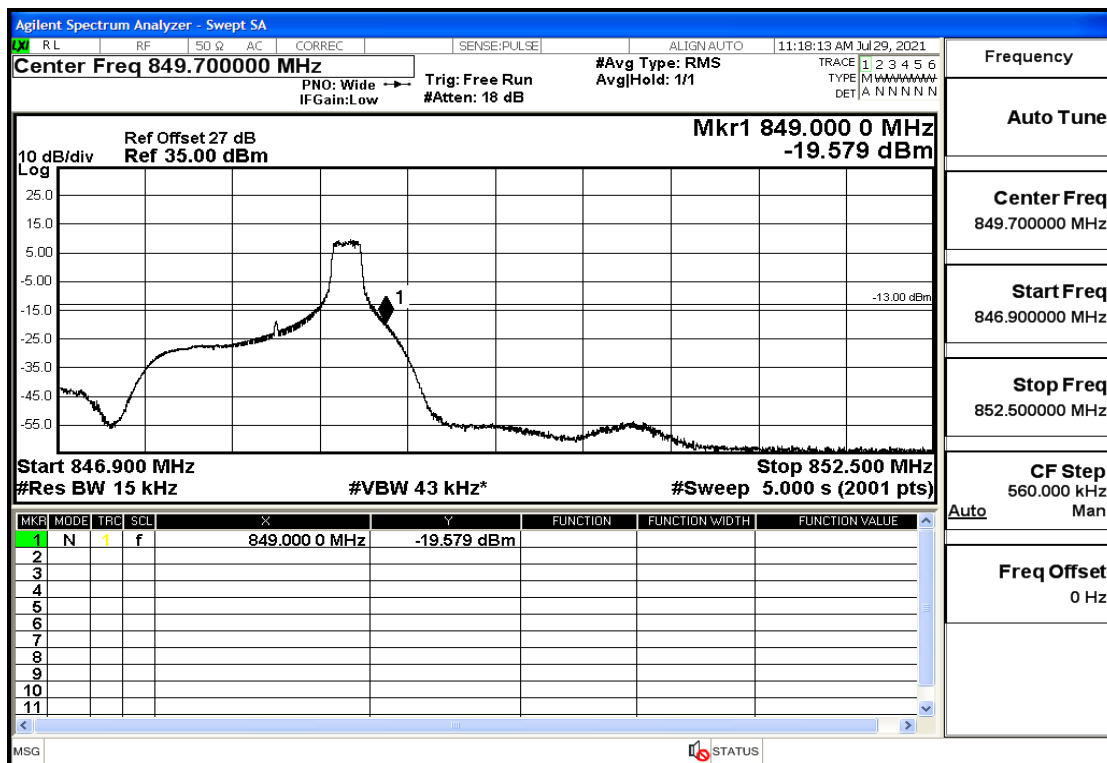
Band5-1.4-848.3-QPSK-1#HIGH@Pass



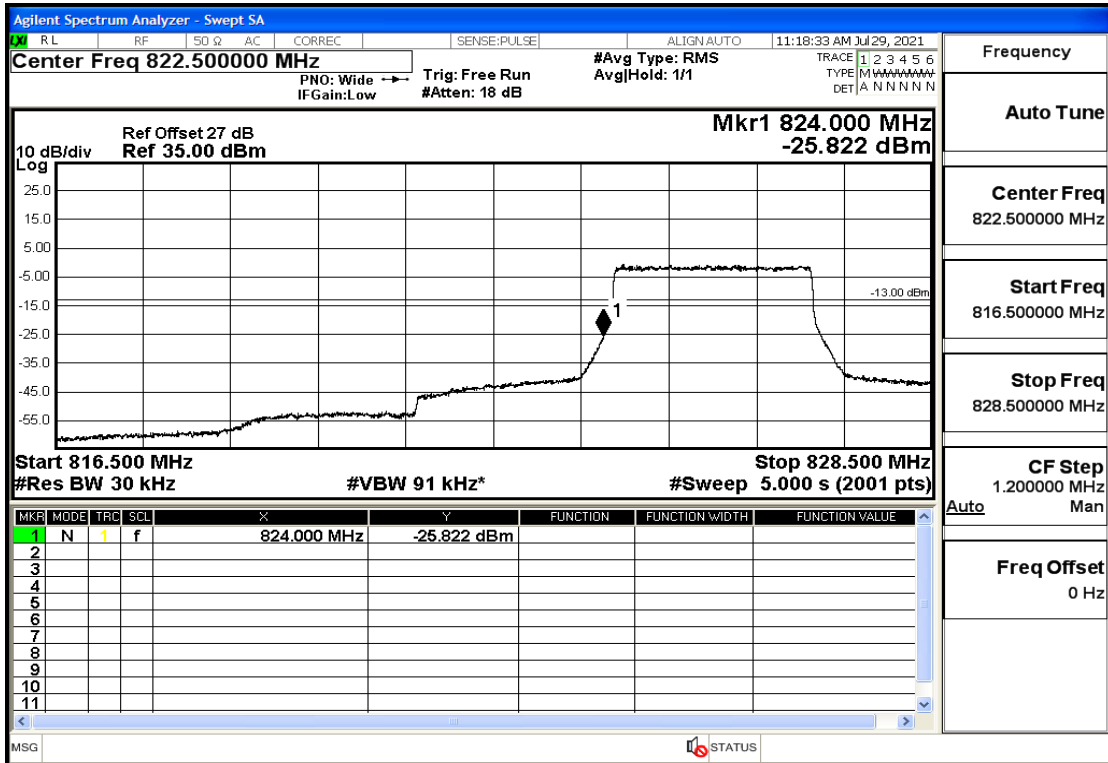
Band5-1.4-848.3-16QAM-6#LOW@Pass



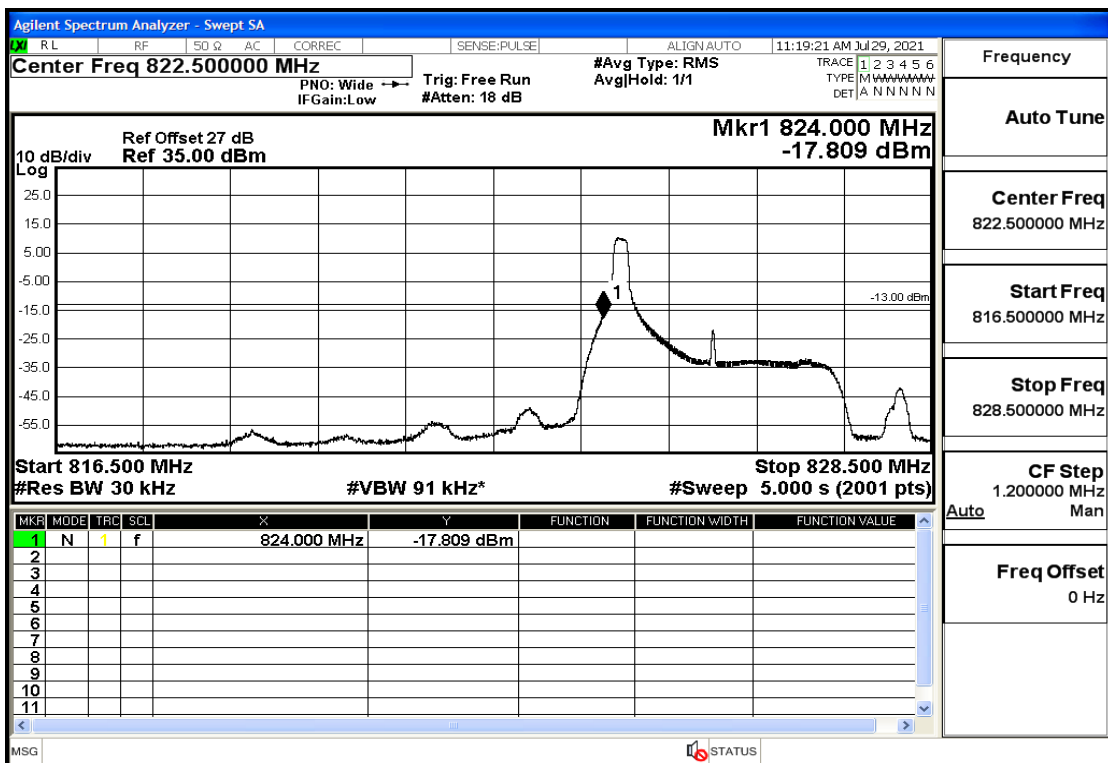
Band5-1.4-848.3-16QAM-1#HIGH@Pass



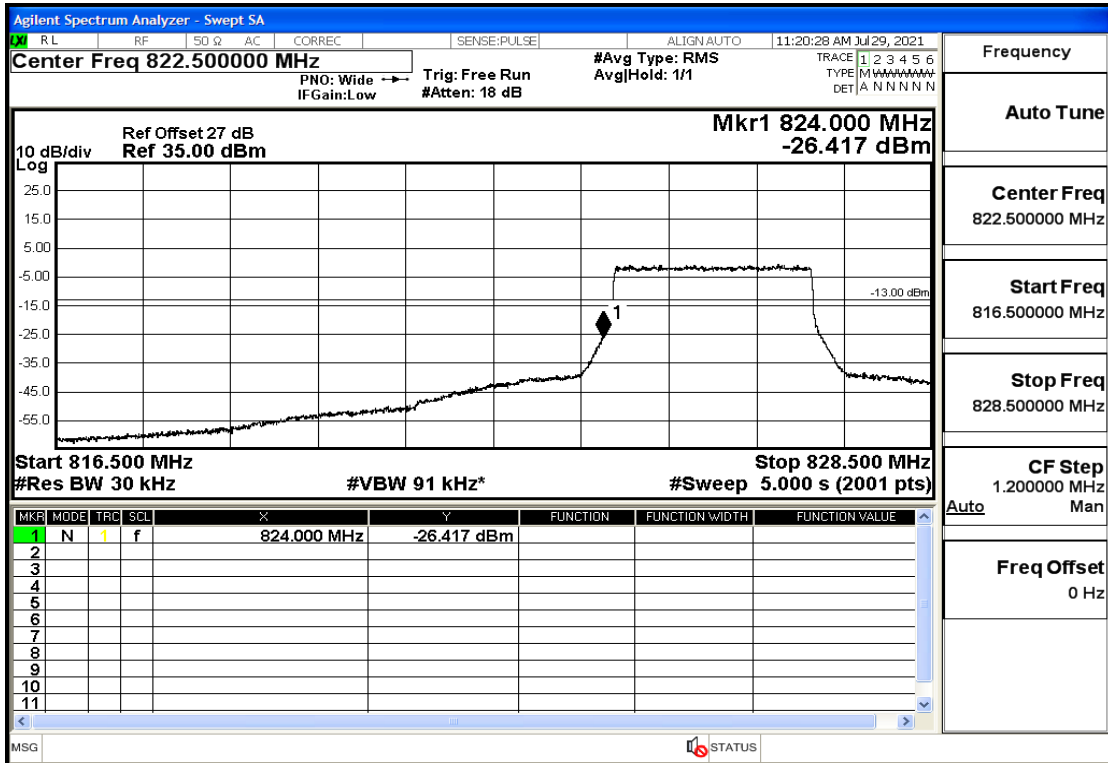
Band5-3-825.5-QPSK-15#LOW@Pass



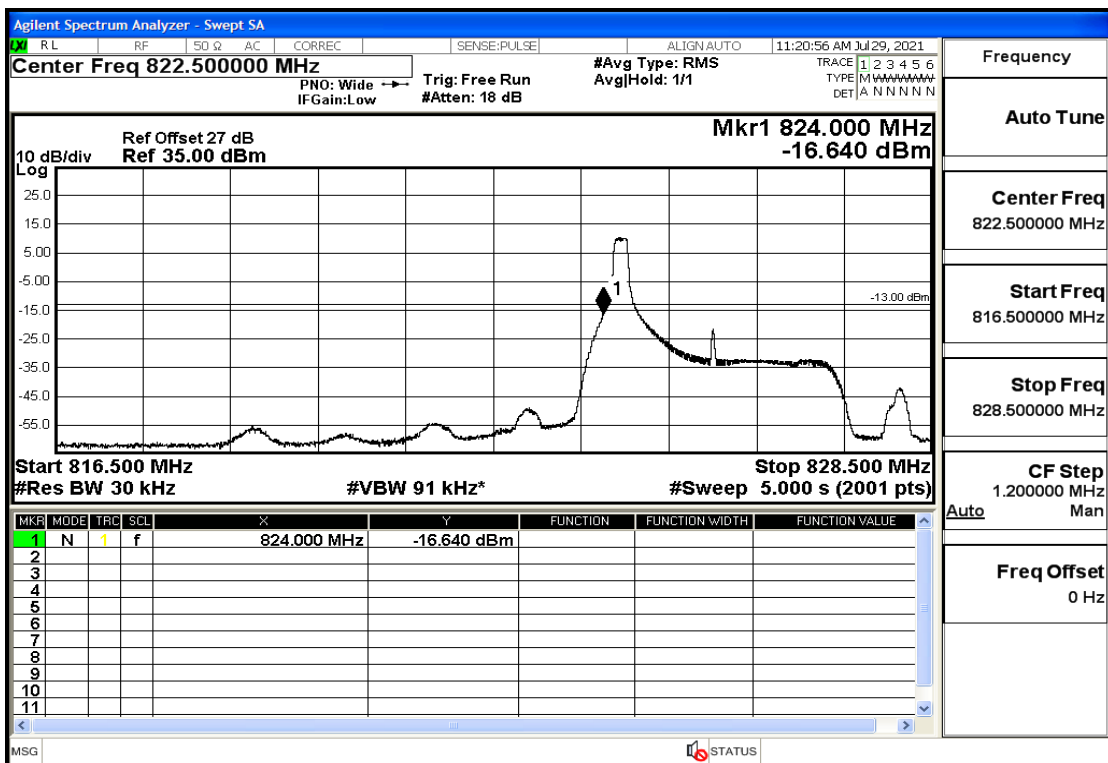
Band5-3-825.5-QPSK-1#LOW@Pass



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

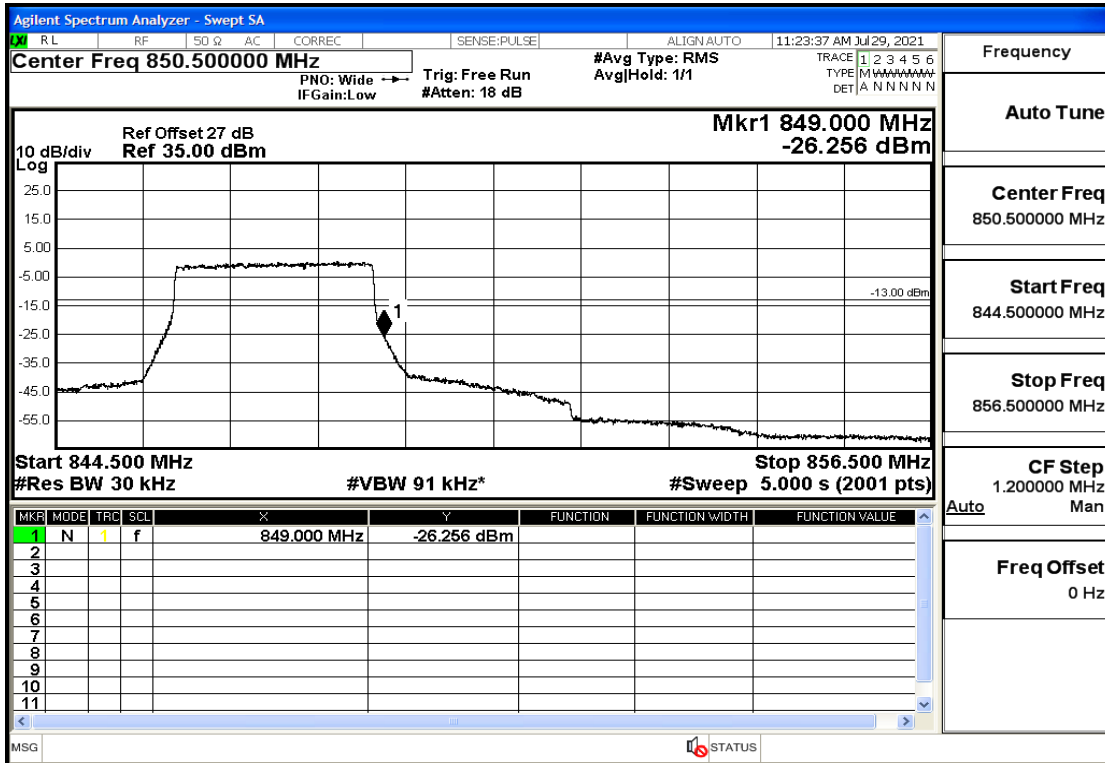


Band5-3-825.5-16QAM-1#LOW@Pass

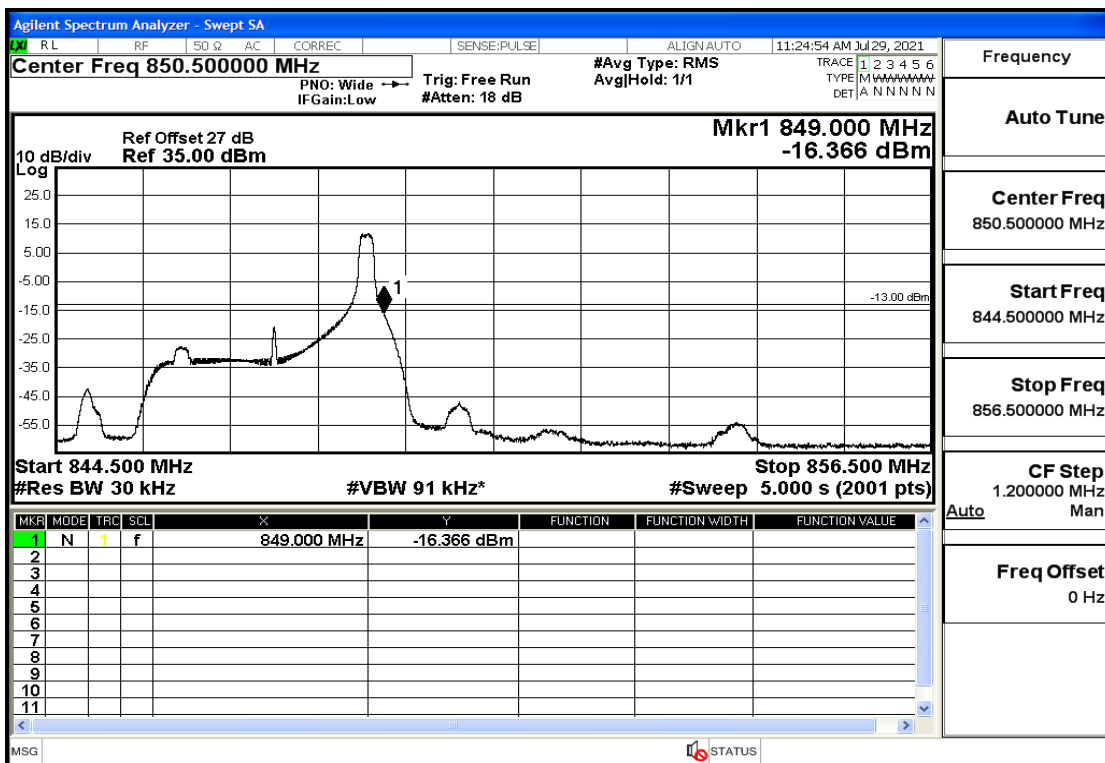




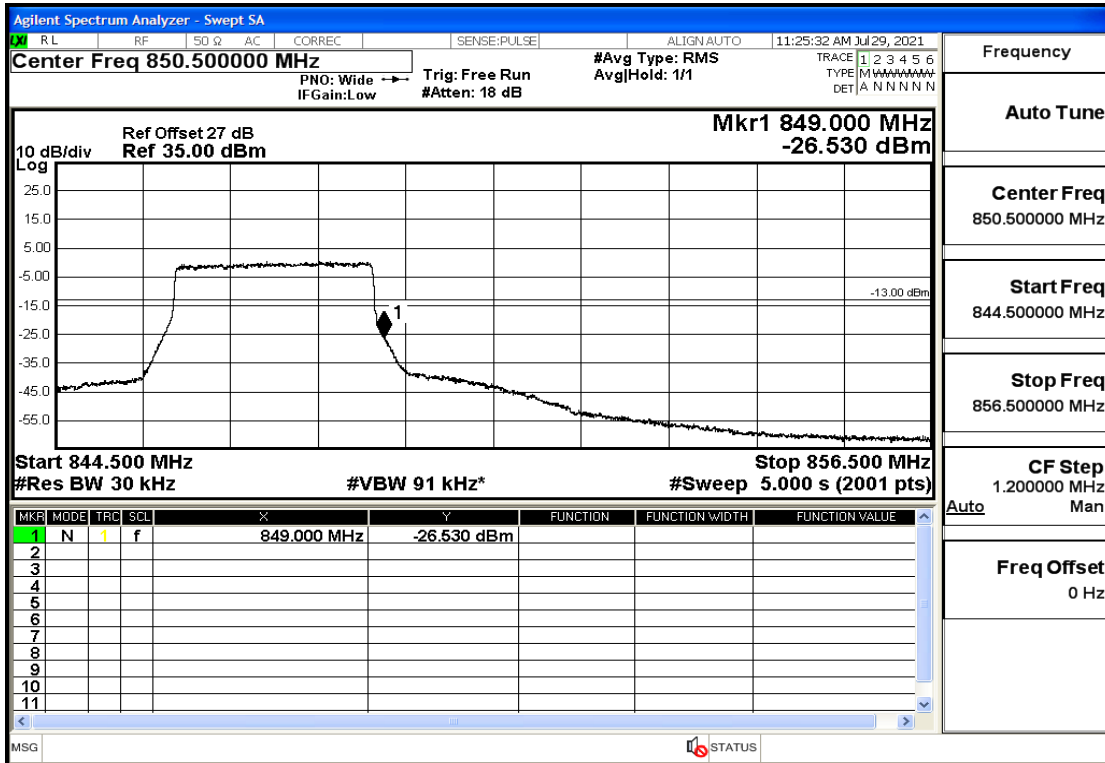
Band5-3-847.5-QPSK-15#LOW@Pass



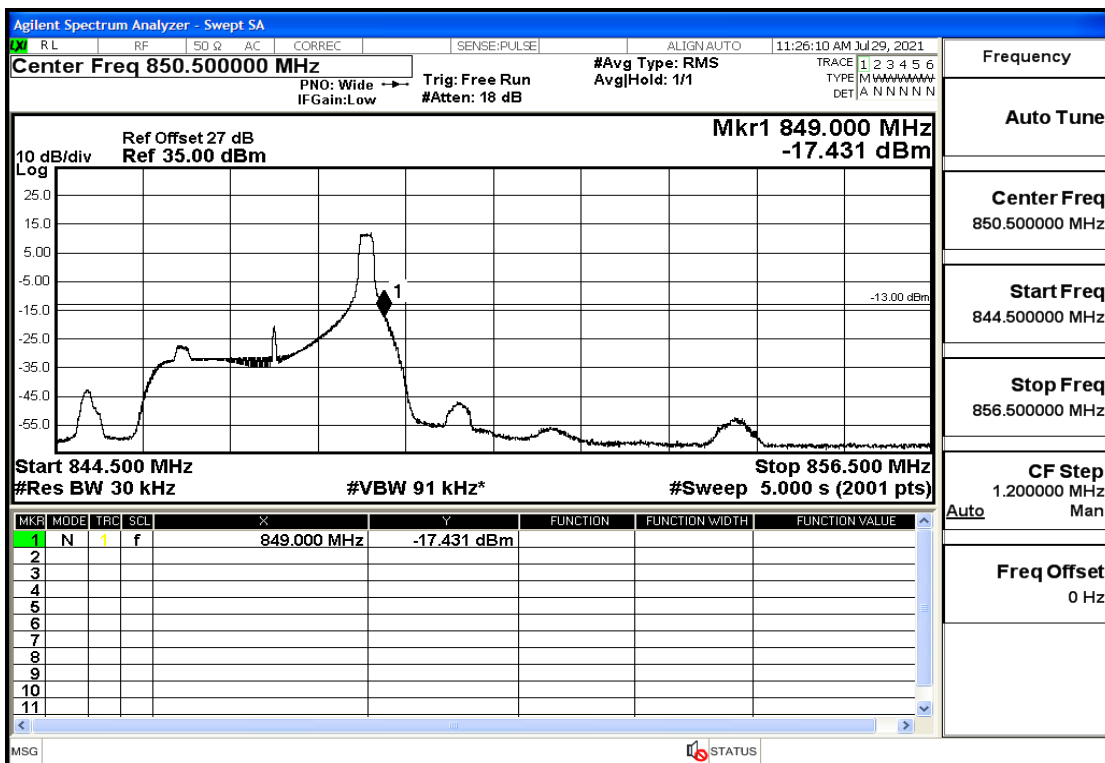
Band5-3-847.5-QPSK-1#HIGH@Pass



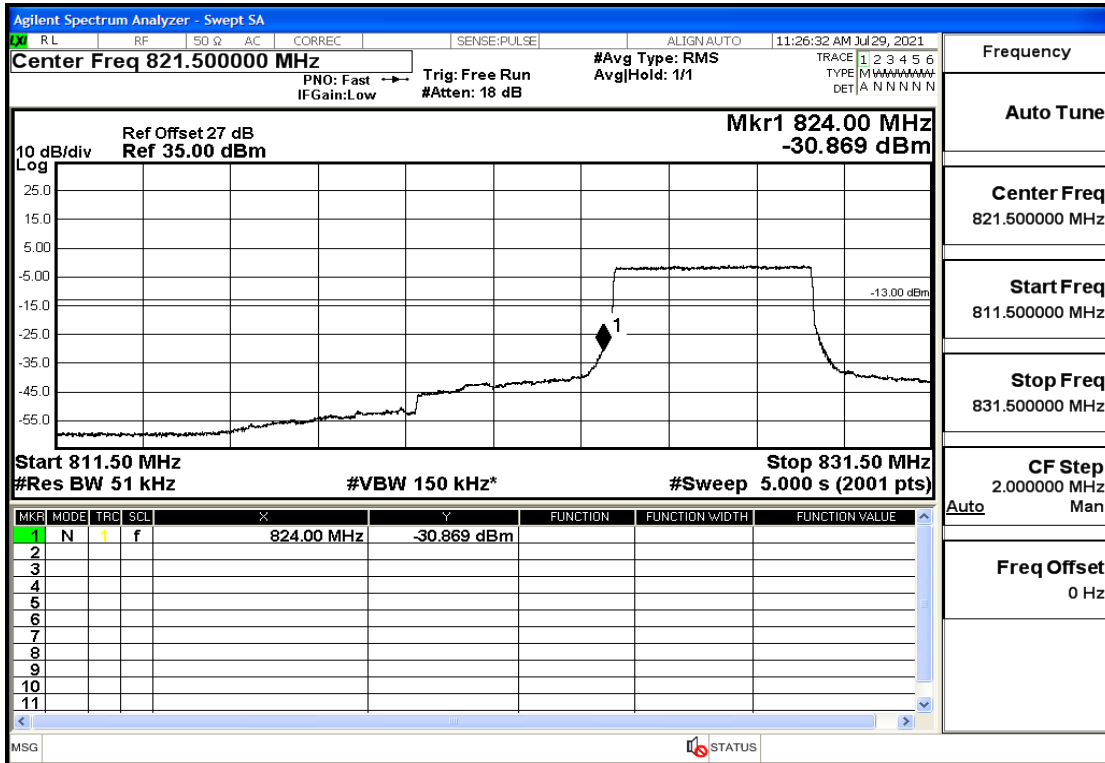
Band5-3-847.5-16QAM-15#LOW@Pass



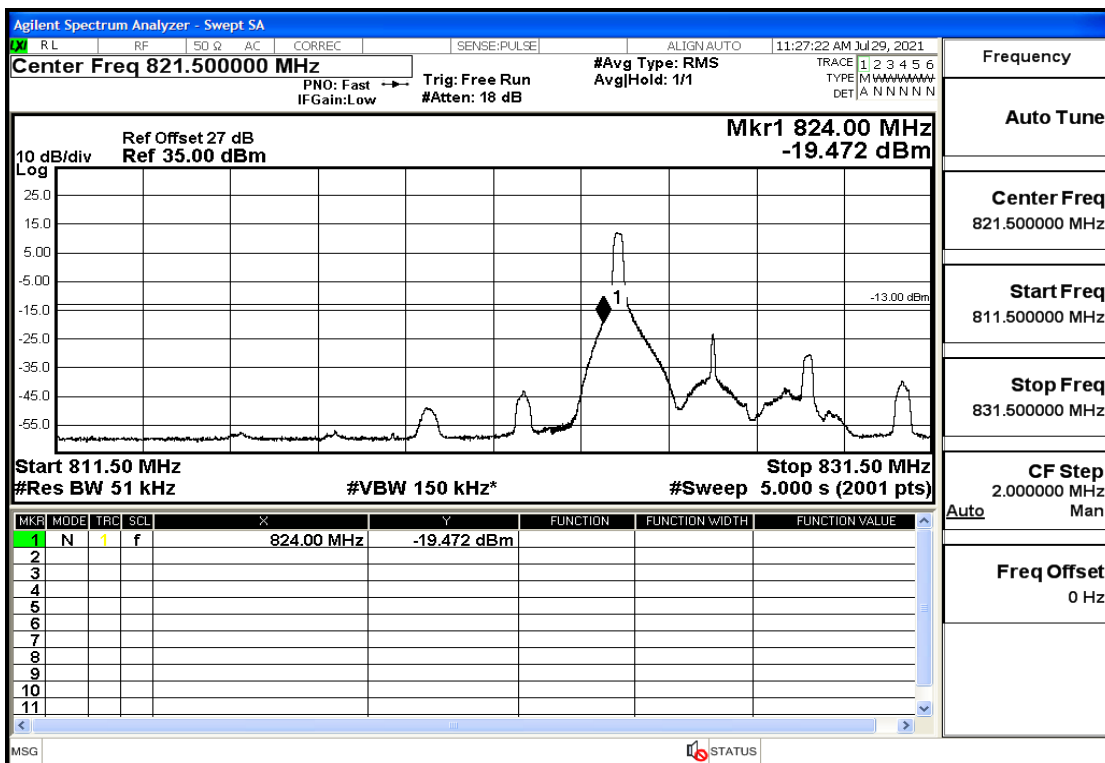
Band5-3-847.5-16QAM-1#HIGH@Pass



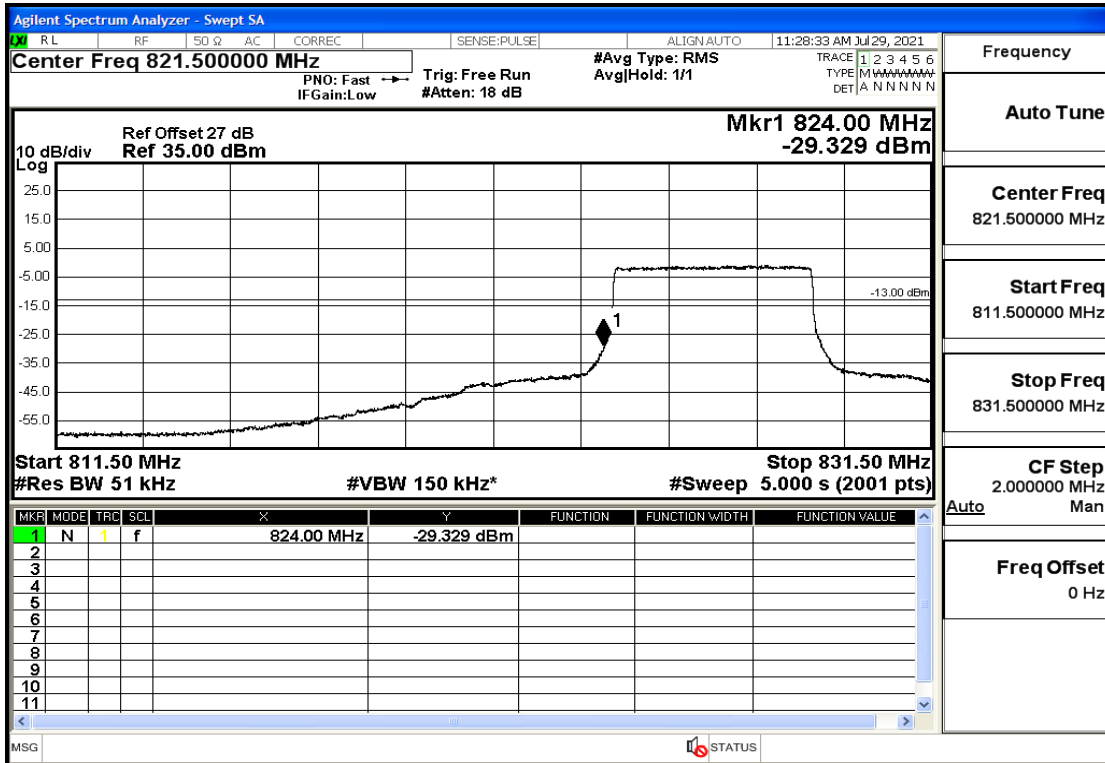
Band5-5-826.5-QPSK-25#LOW@Pass



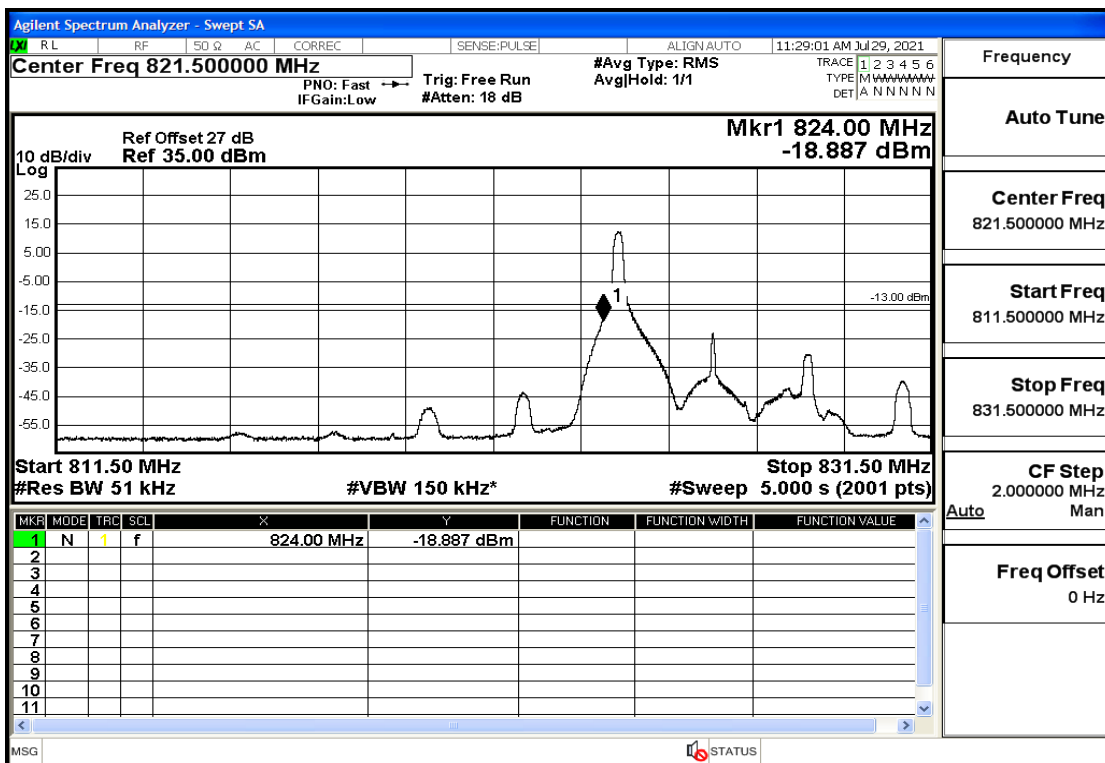
Band5-5-826.5-QPSK-1#LOW@Pass



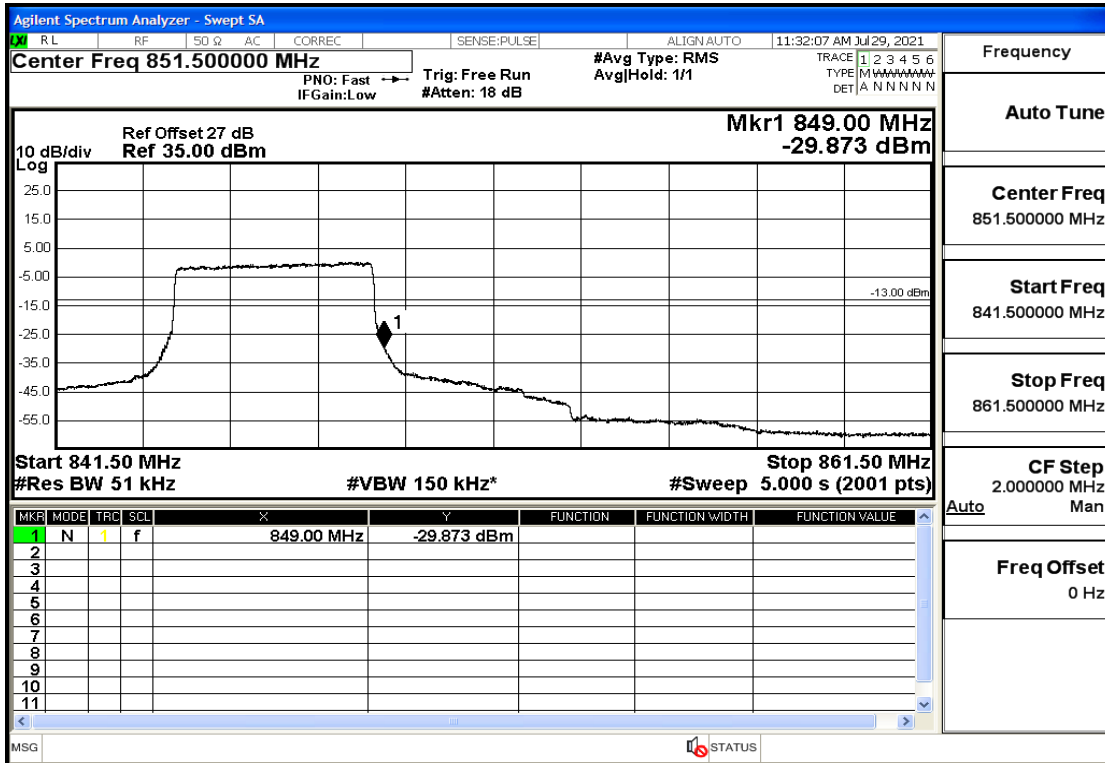
Band5-5-826.5-16QAM-25#LOW@Pass



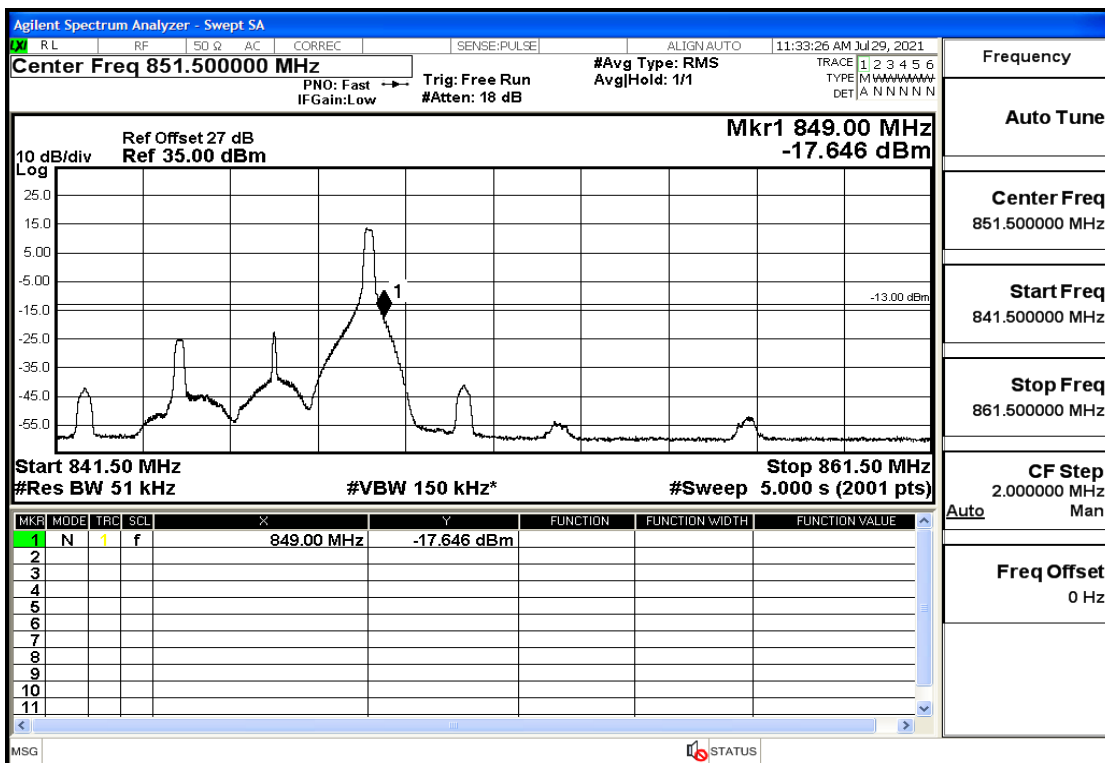
Band5-5-826.5-16QAM-1#LOW@Pass



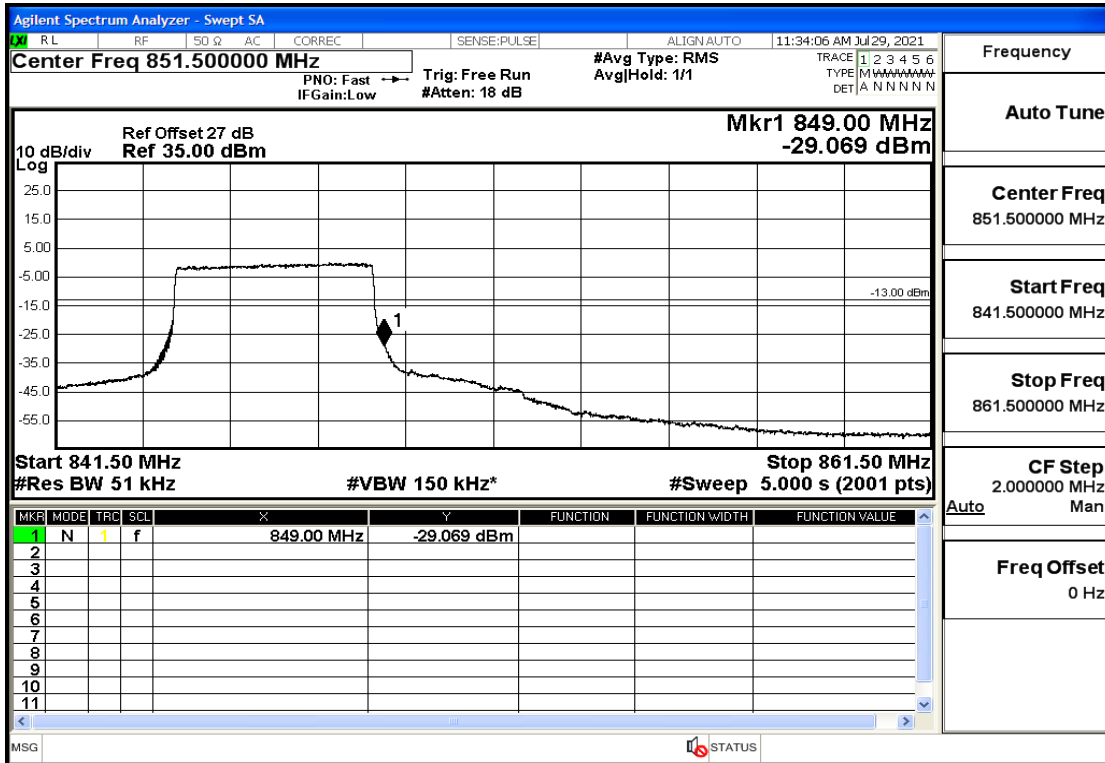
Band5-5-846.5-QPSK-25#LOW@Pass



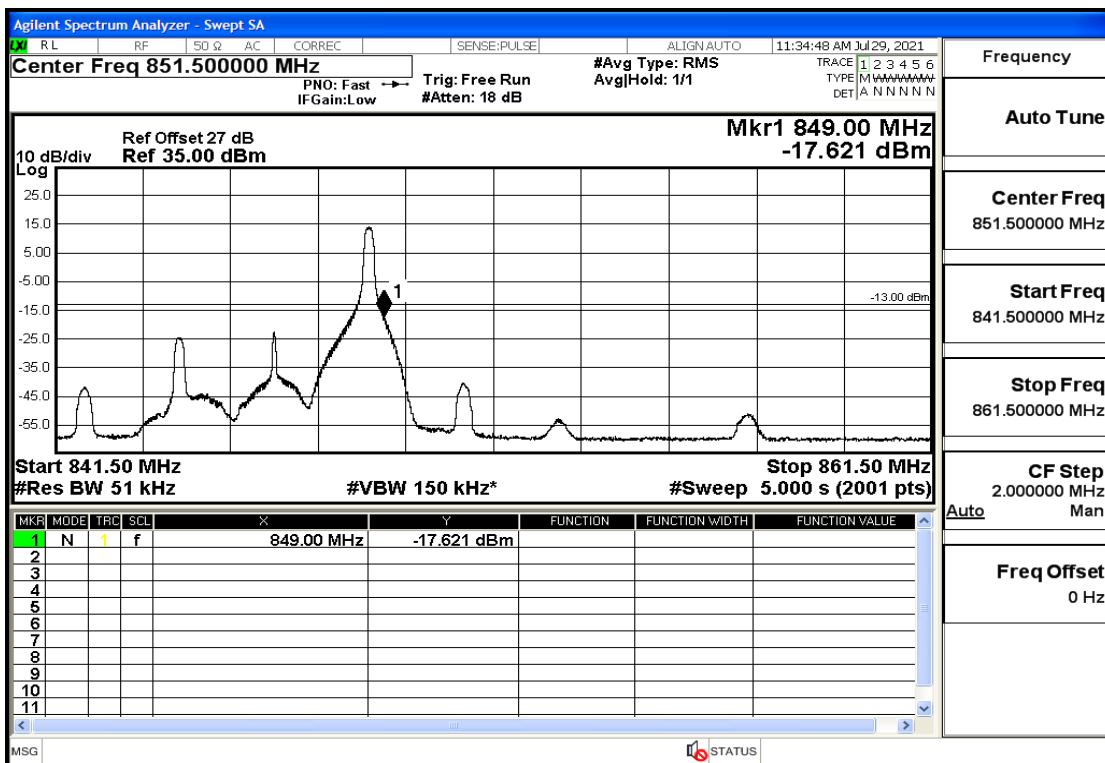
Band5-5-846.5-QPSK-1#HIGH@Pass



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



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



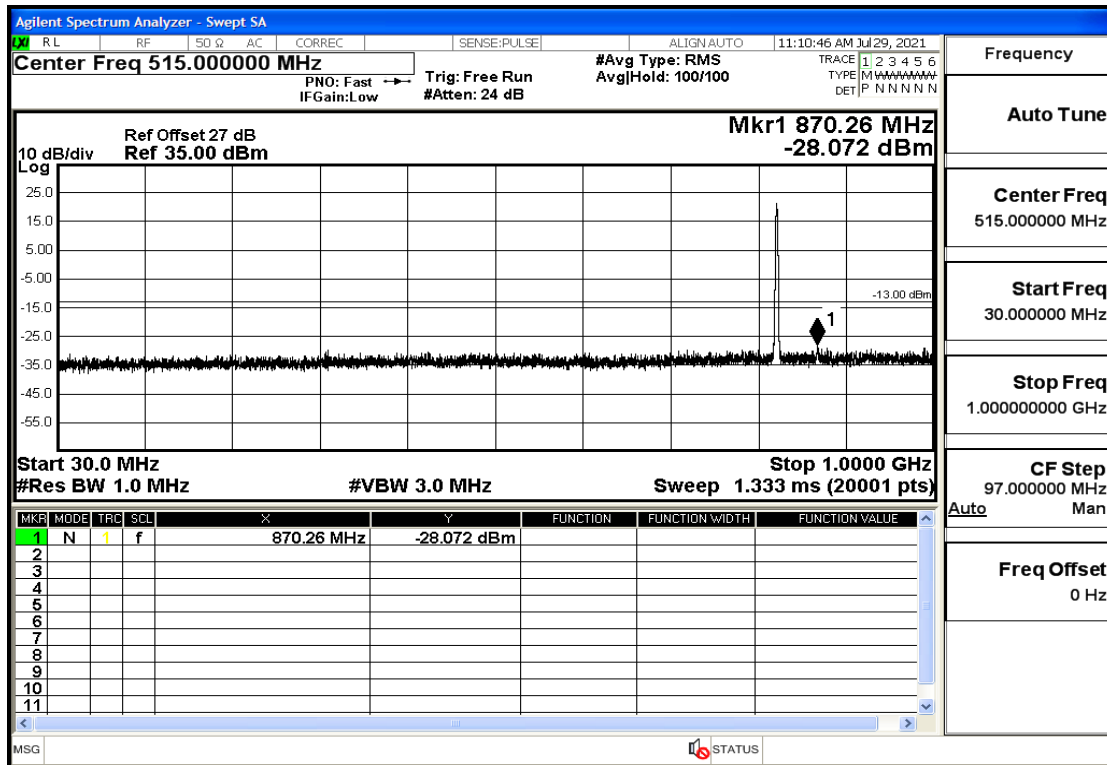
## Conducted Spurious Emission

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

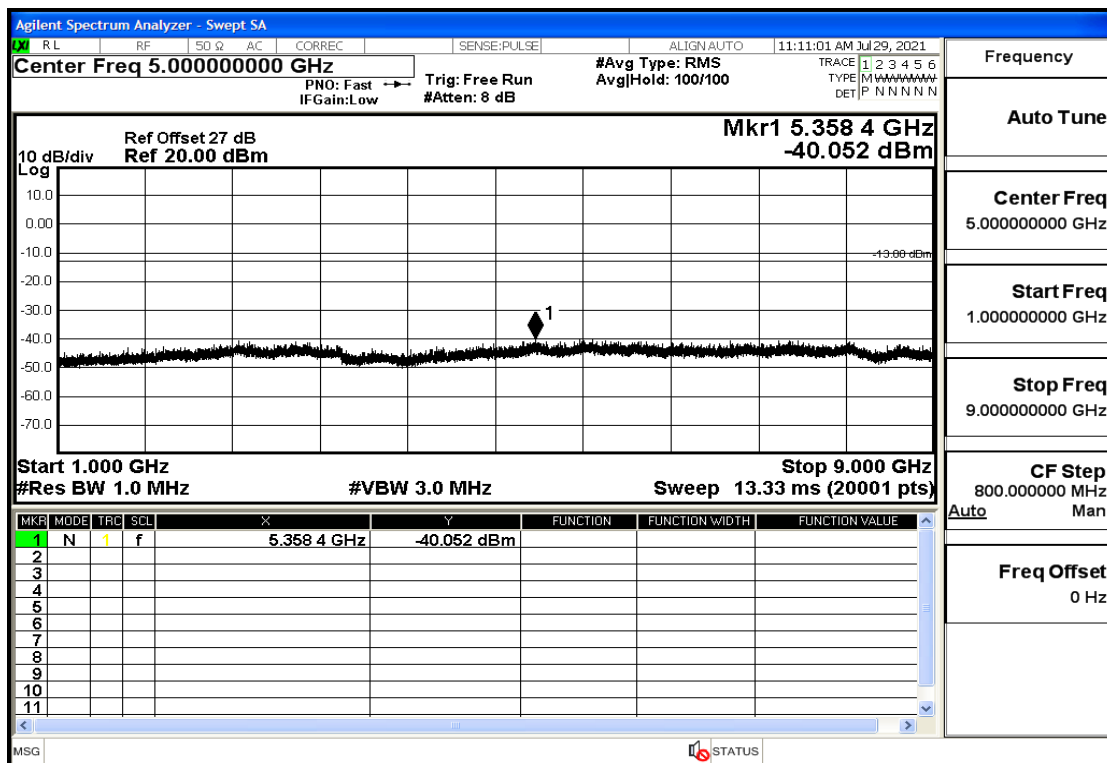
OB5	5	826.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB5	5	826.5	QPSK	1	HIGH	1GHz-9GHz	Pass
OB5	5	836.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB5	5	836.5	QPSK	25	LOW	1GHz-9GHz	Pass
OB5	5	836.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB5	5	836.5	QPSK	1	LOW	1GHz-9GHz	Pass
OB5	5	836.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB5	5	836.5	QPSK	1	HIGH	1GHz-9GHz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



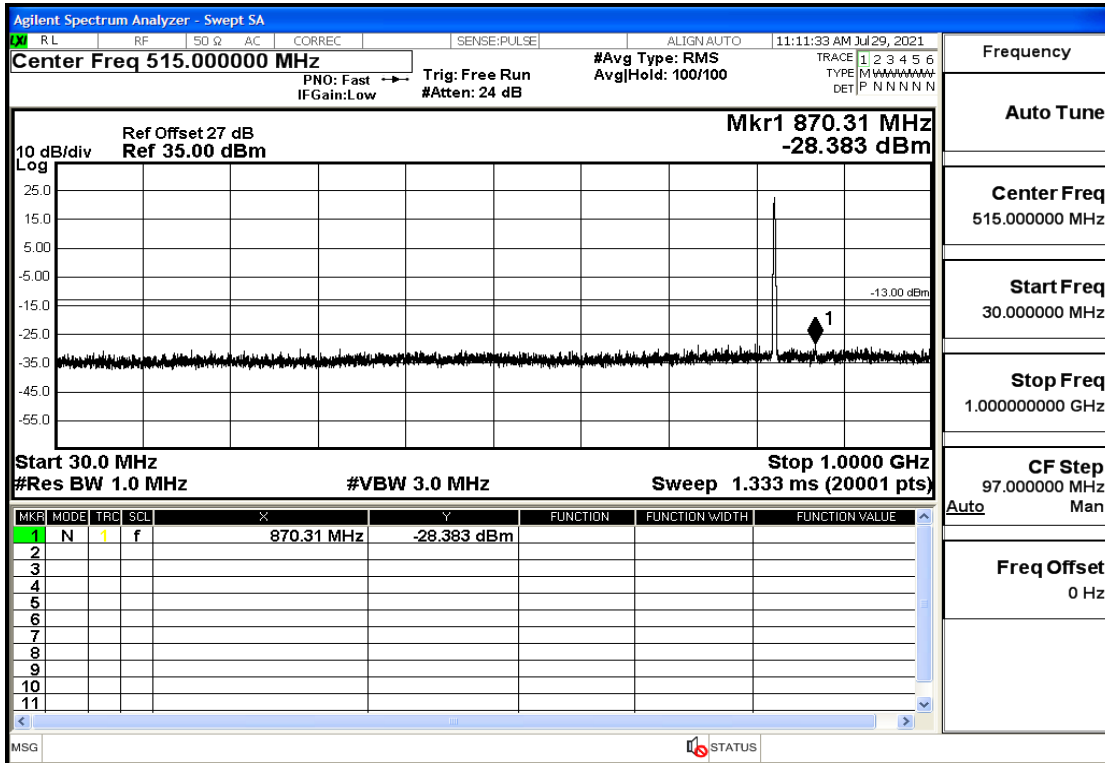
OB5-1.4-824.7-QPSK-6#LOW@30mHz-1GHz@Pass



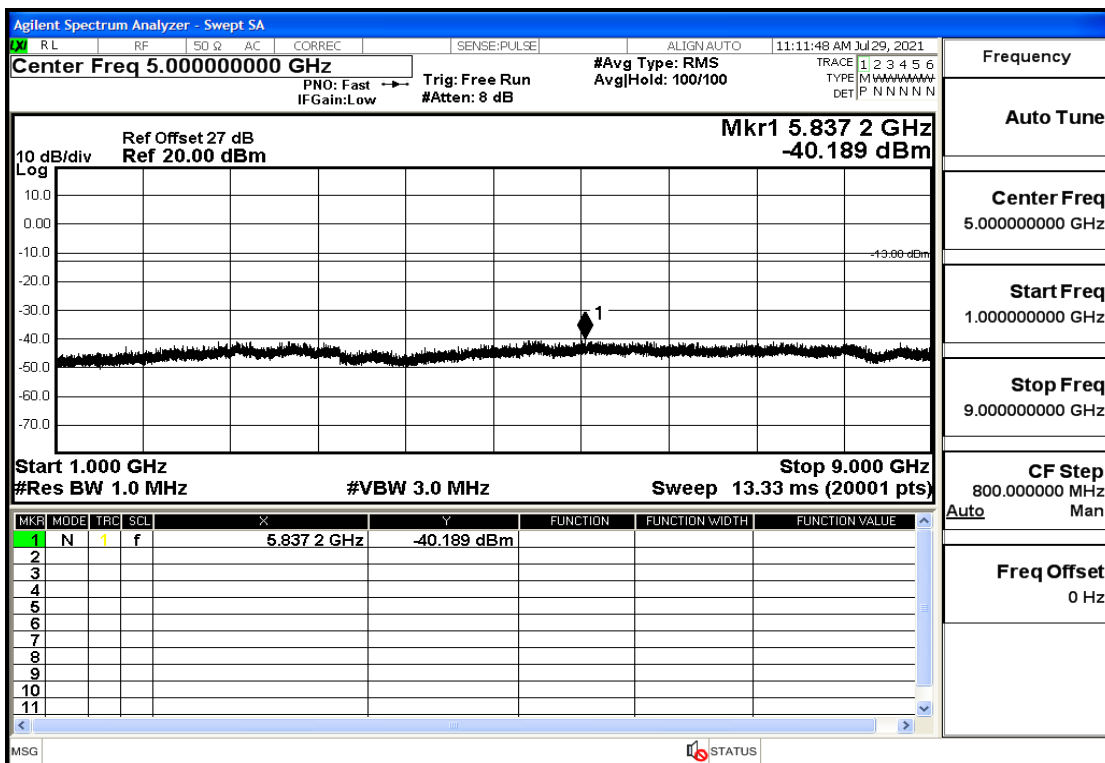
OB5-1.4-824.7-QPSK-6#LOW@1GHz-9GHz@Pass



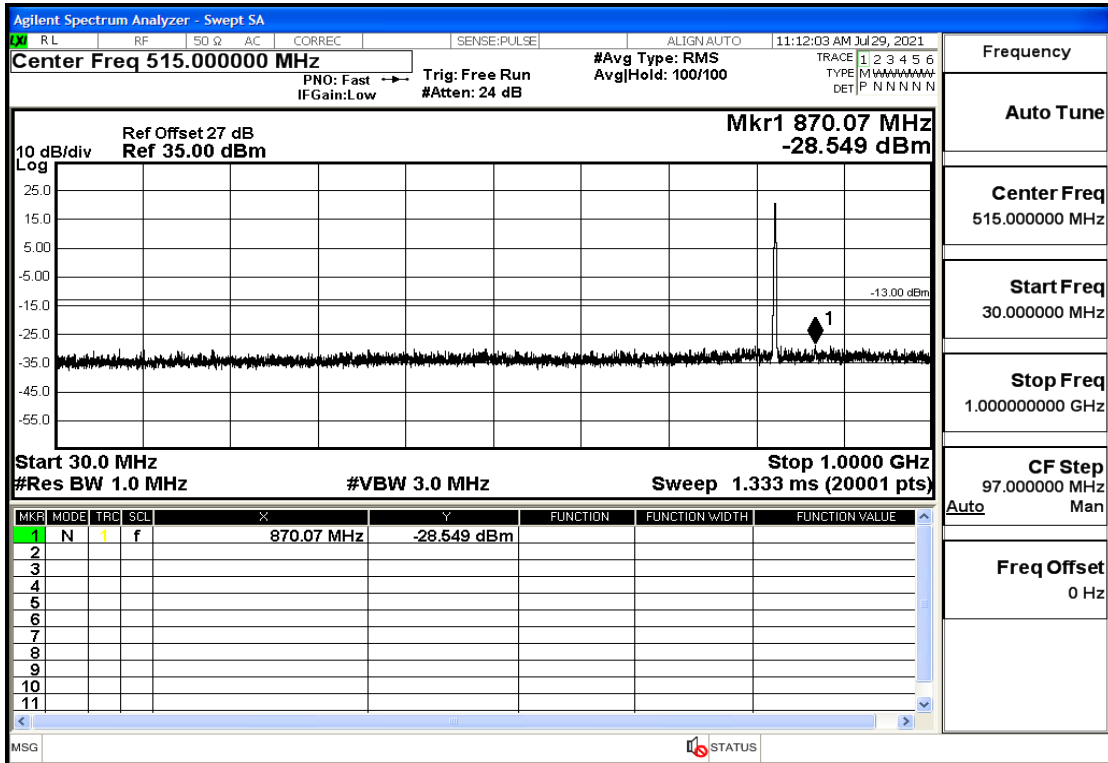
OB5-1.4-824.7-QPSK-1#LOW@30mHz-1GHz@Pass



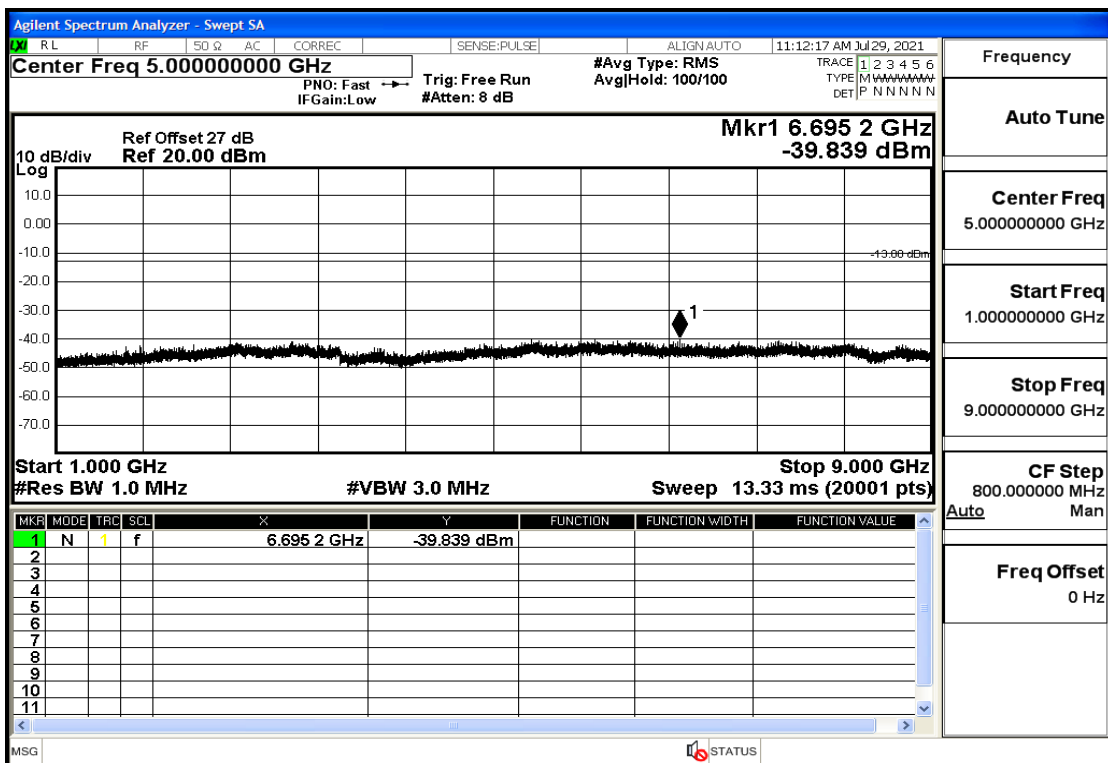
OB5-1.4-824.7-QPSK-1#LOW@1GHz-9GHz@Pass



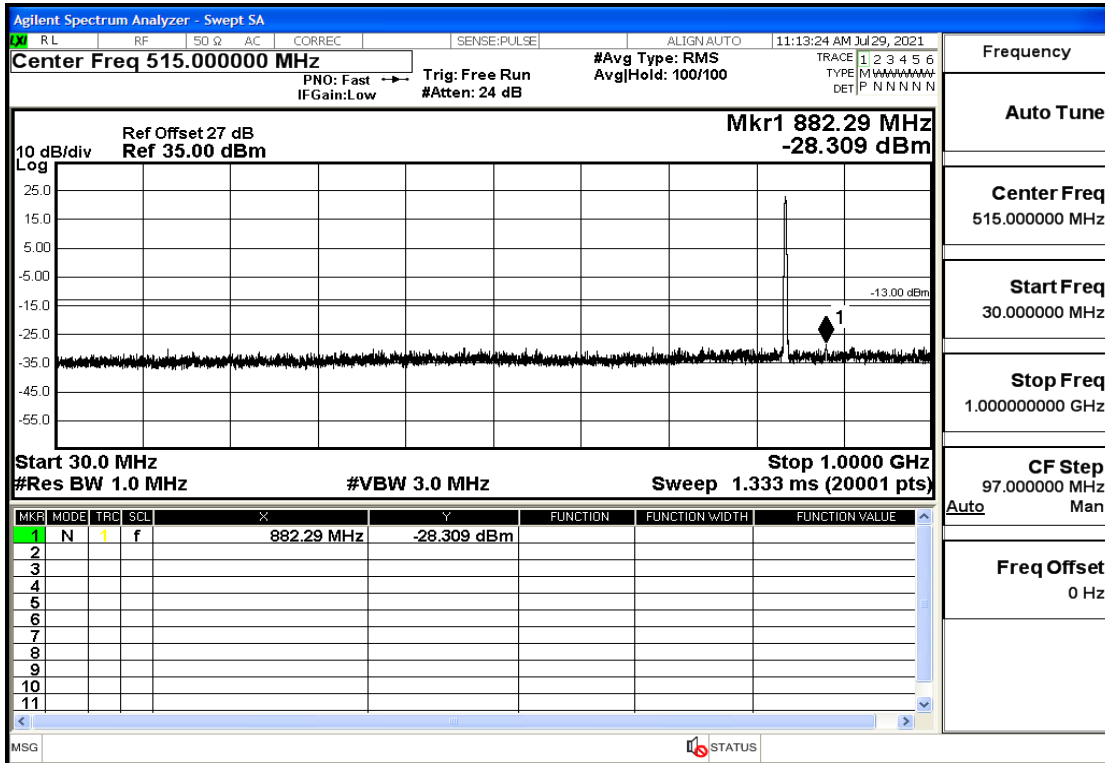
OB5-1.4-824.7-QPSK-1#HIGH@30MHz-1GHz@Pass



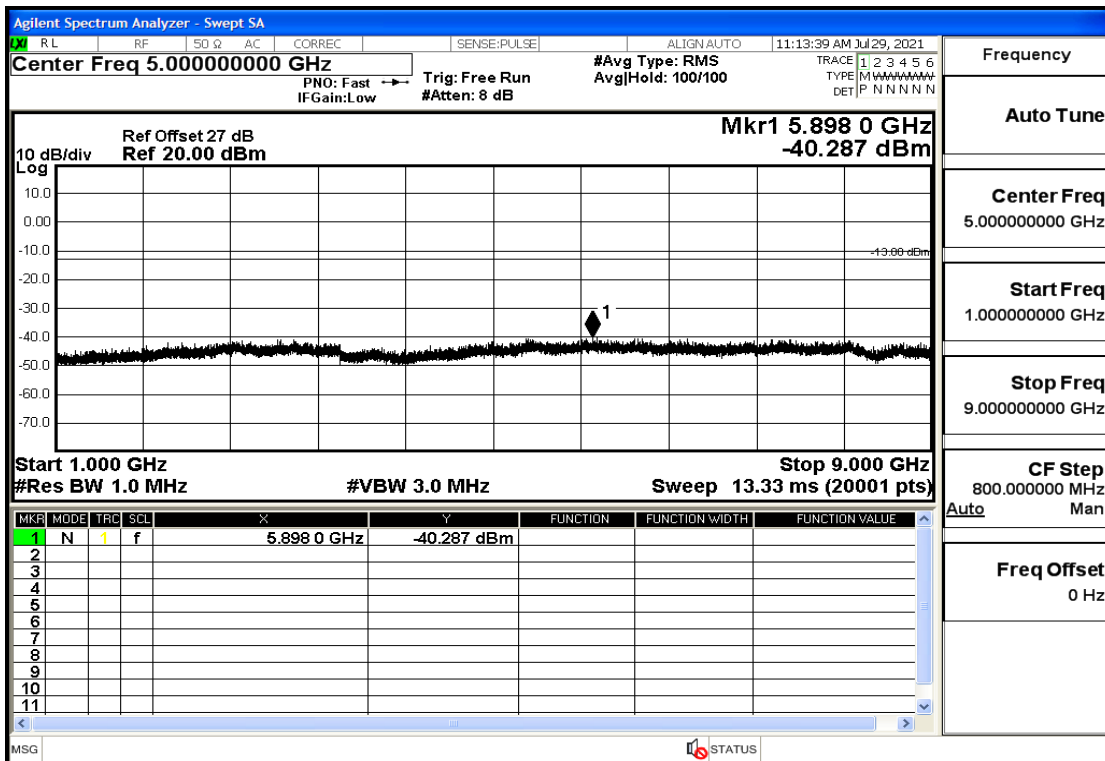
OB5-1.4-824.7-QPSK-1#HIGH@1GHz-9GHz@Pass



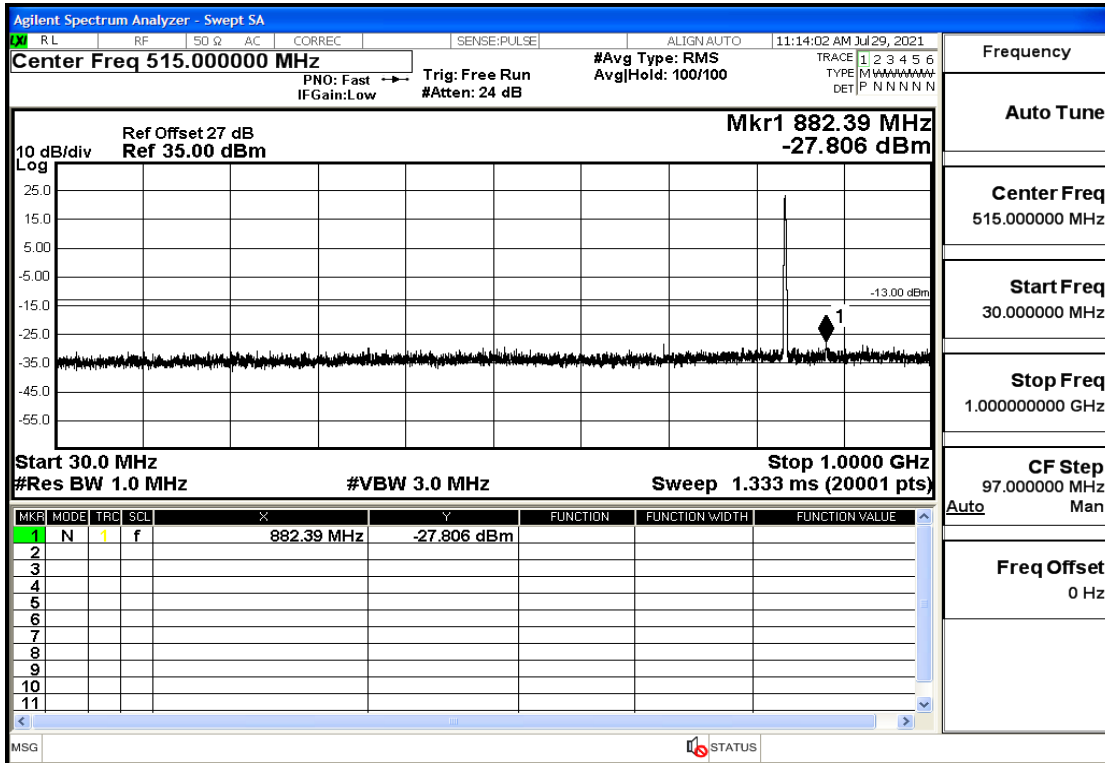
OB5-1.4-836.5-QPSK-6#LOW@30mHz-1GHz@Pass



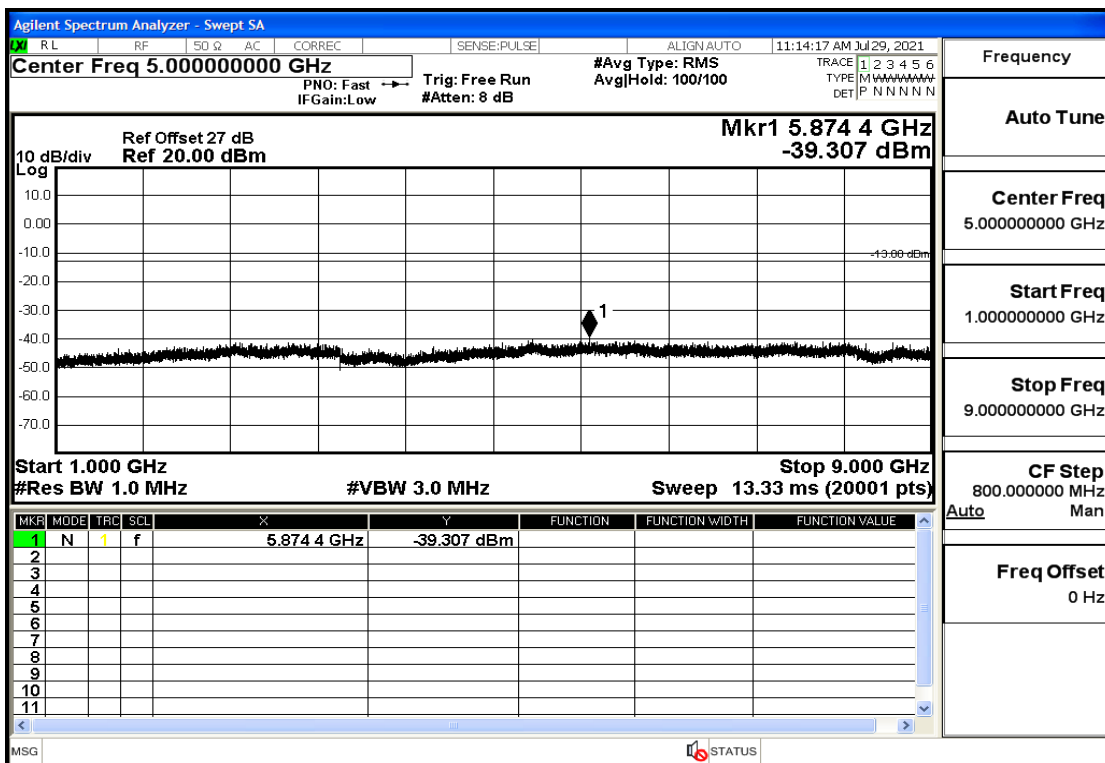
OB5-1.4-836.5-QPSK-6#LOW@1GHz-9GHz@Pass



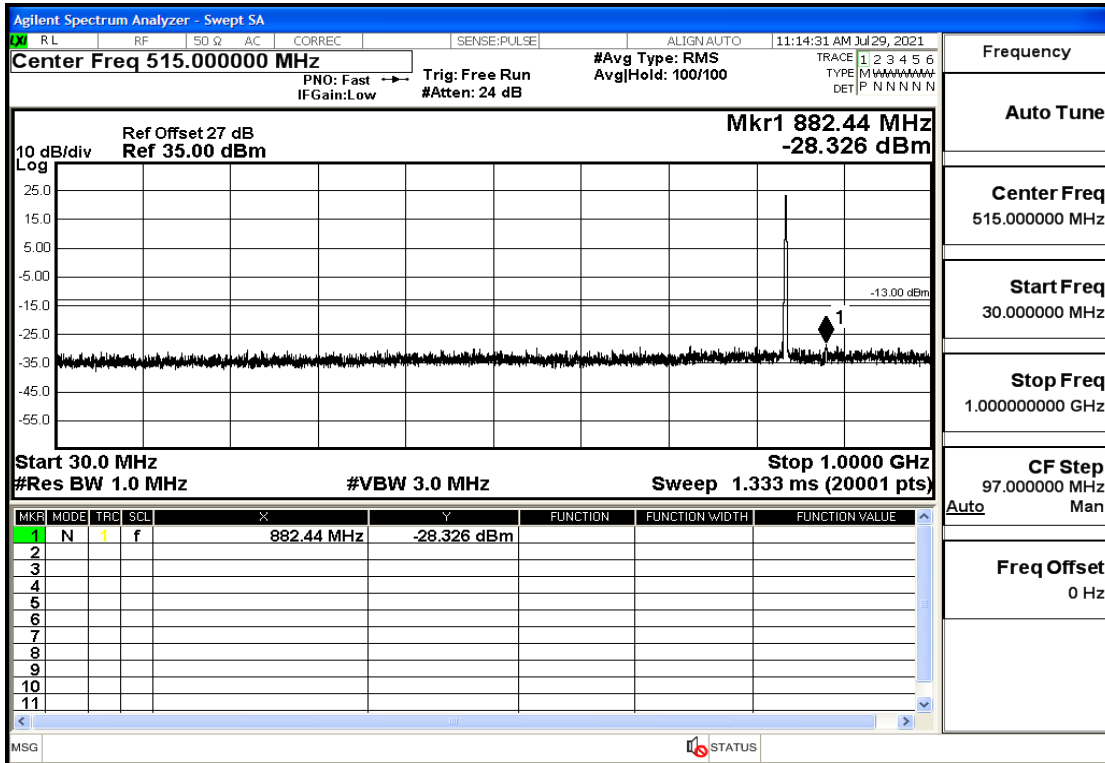
OB5-1.4-836.5-QPSK-1#LOW@30mHz-1GHz@Pass



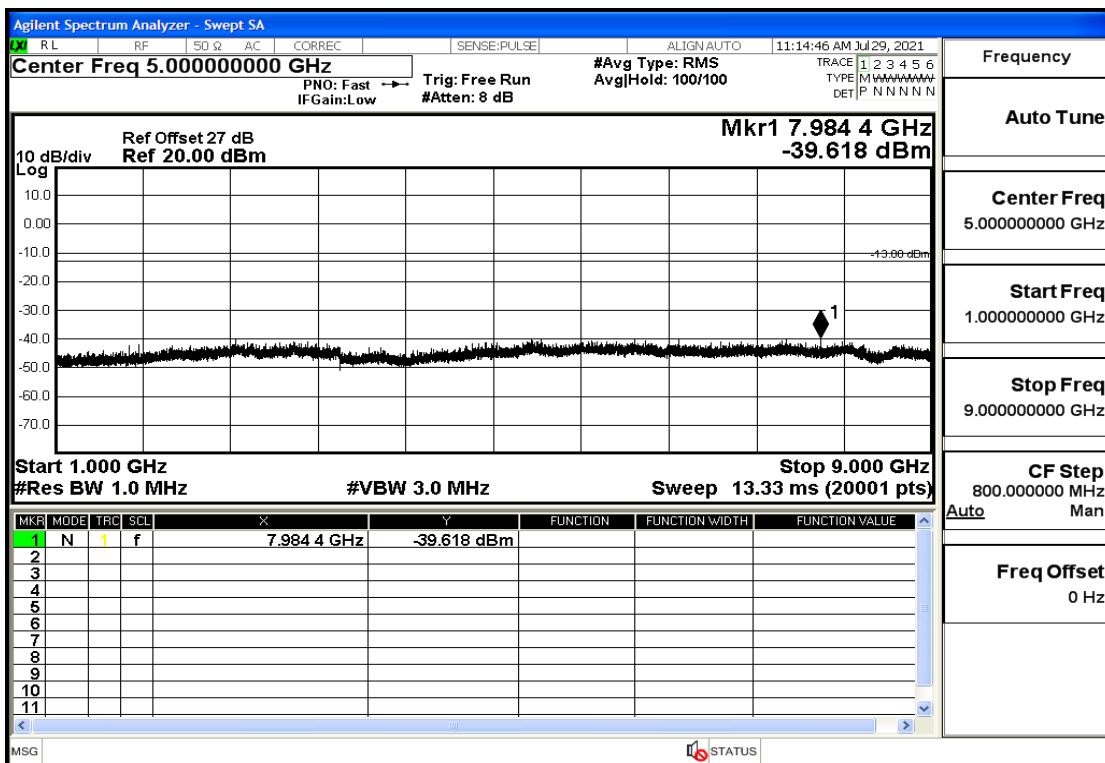
OB5-1.4-836.5-QPSK-1#LOW@1GHz-9GHz@Pass



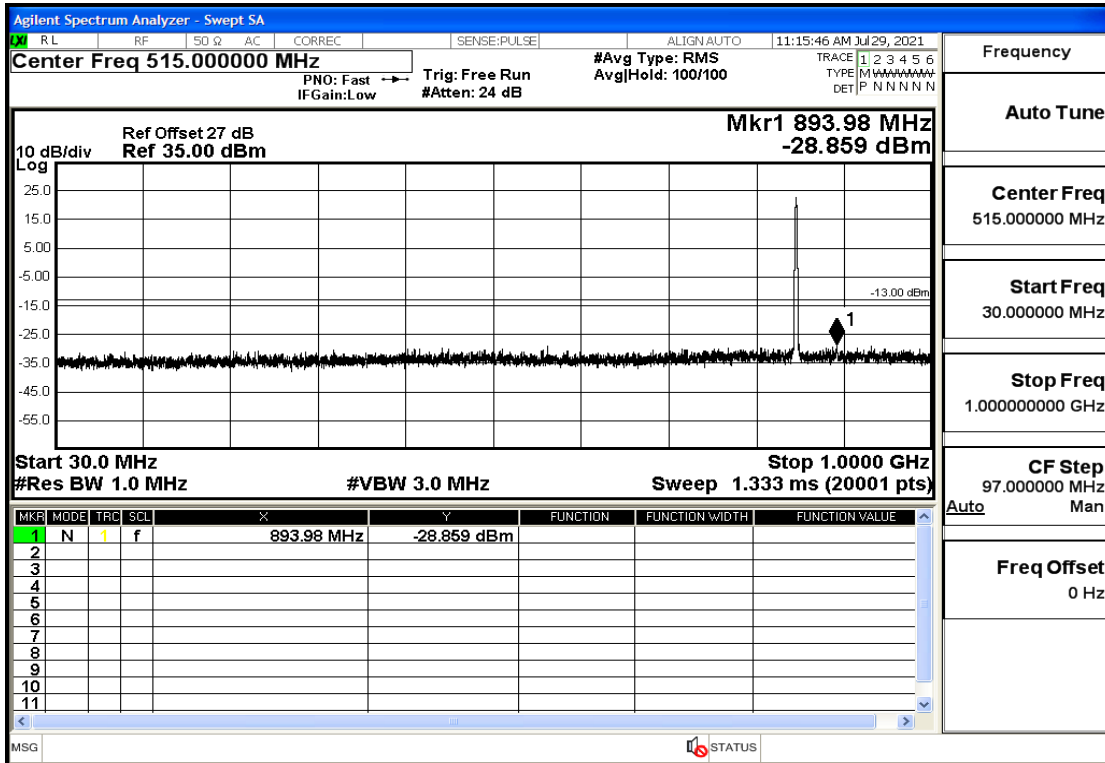
OB5-1.4-836.5-QPSK-1#HIGH@30mHz-1GHz@Pass



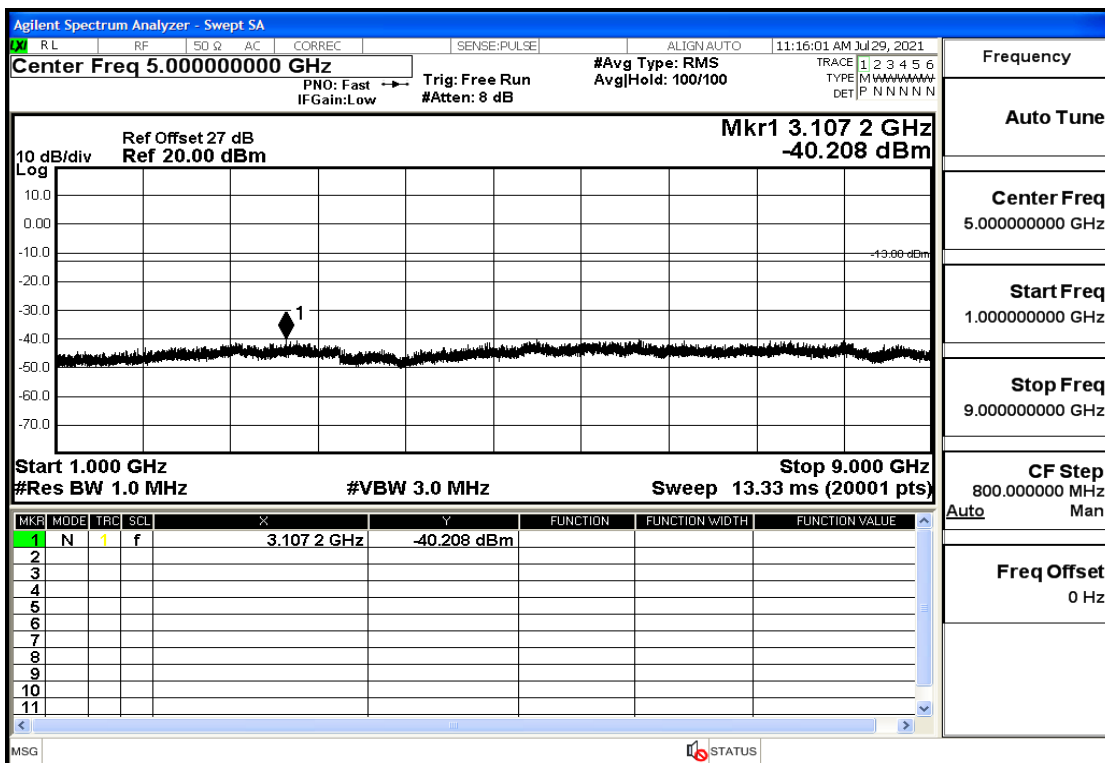
OB5-1.4-836.5-QPSK-1#HIGH@1GHz-9GHz@Pass



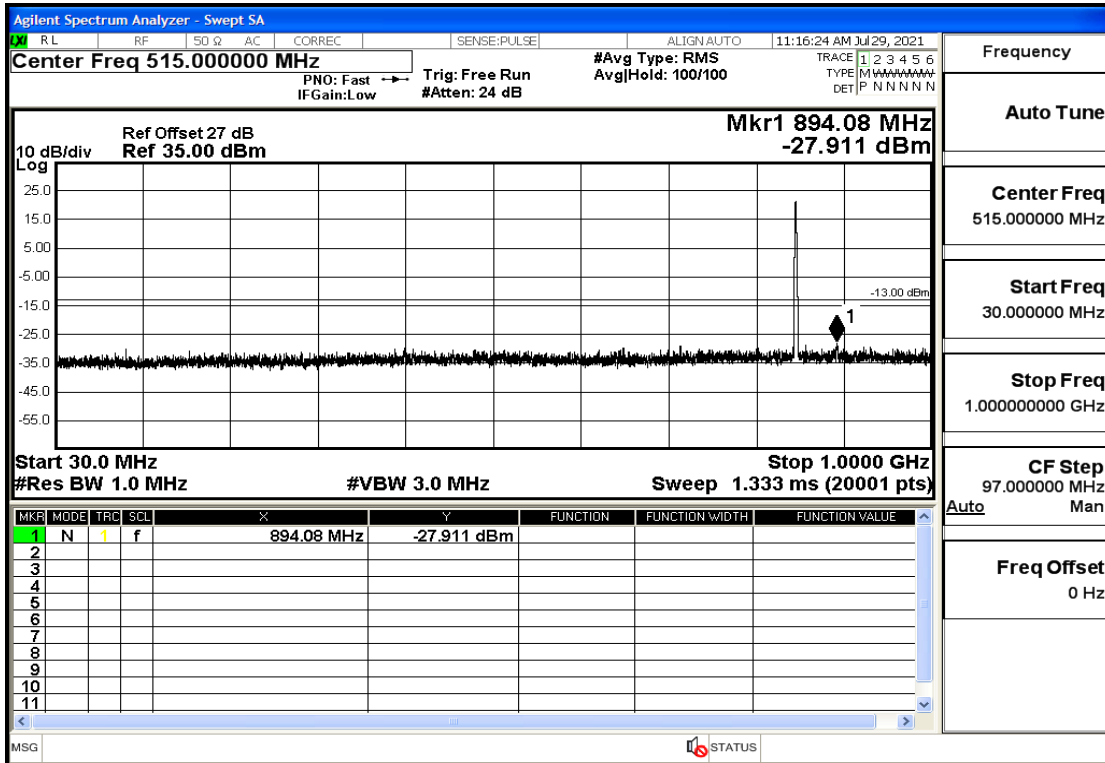
OB5-1.4-848.3-QPSK-6#LOW@30mHz-1GHz@Pass



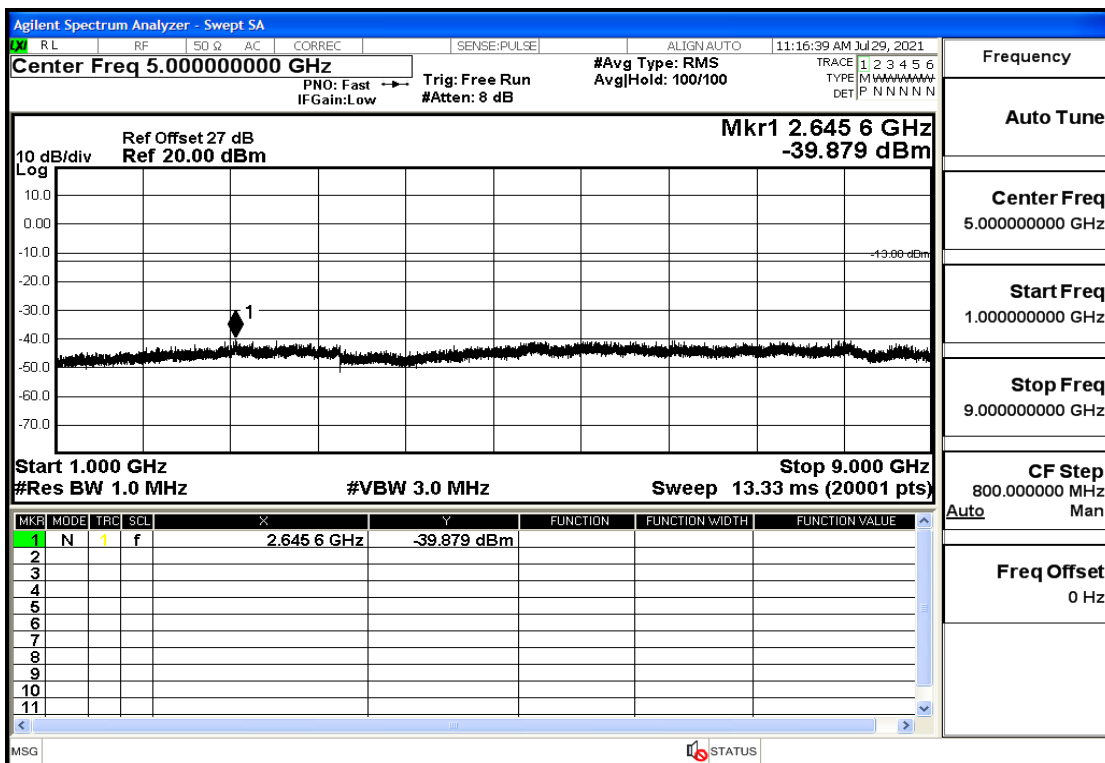
OB5-1.4-848.3-QPSK-6#LOW@1GHz-9GHz@Pass



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

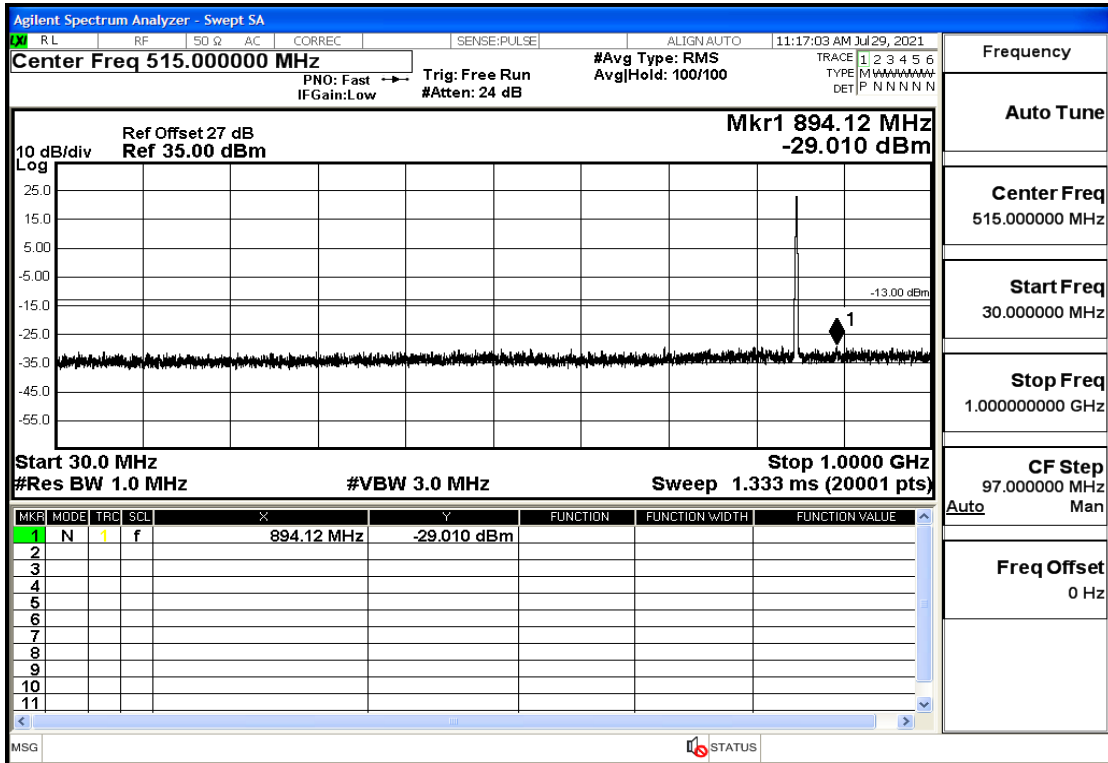


OB5-1.4-848.3-QPSK-1#LOW@1GHz-9GHz@Pass

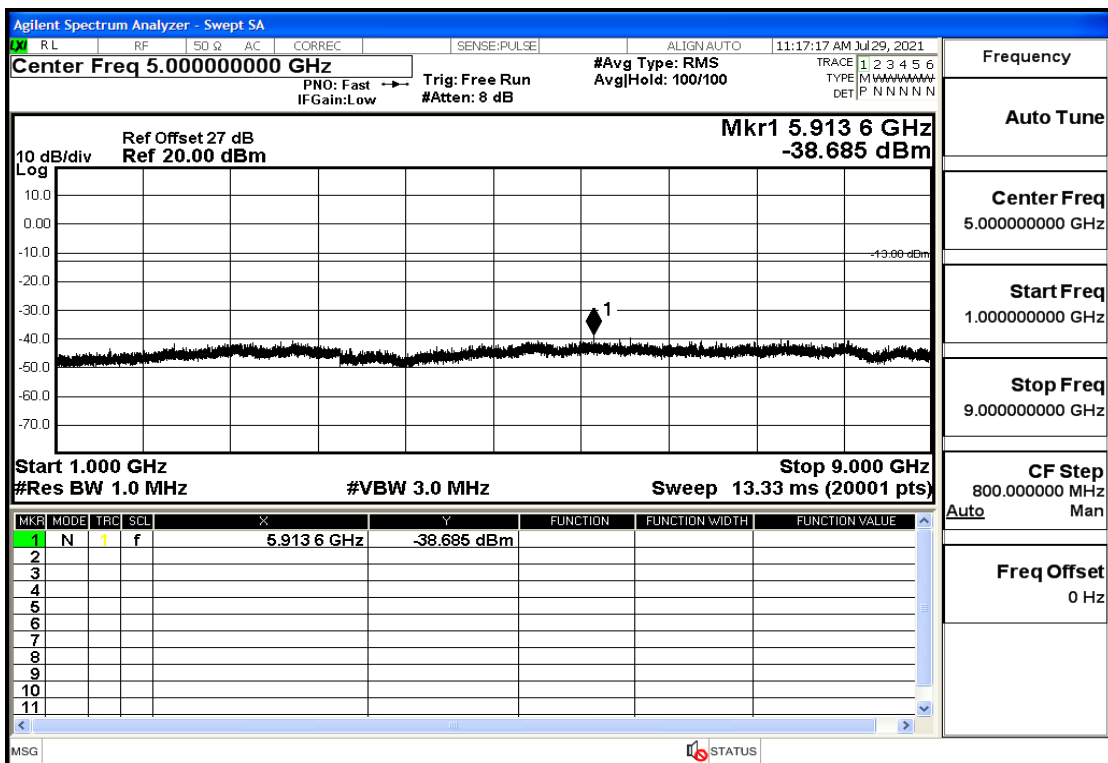




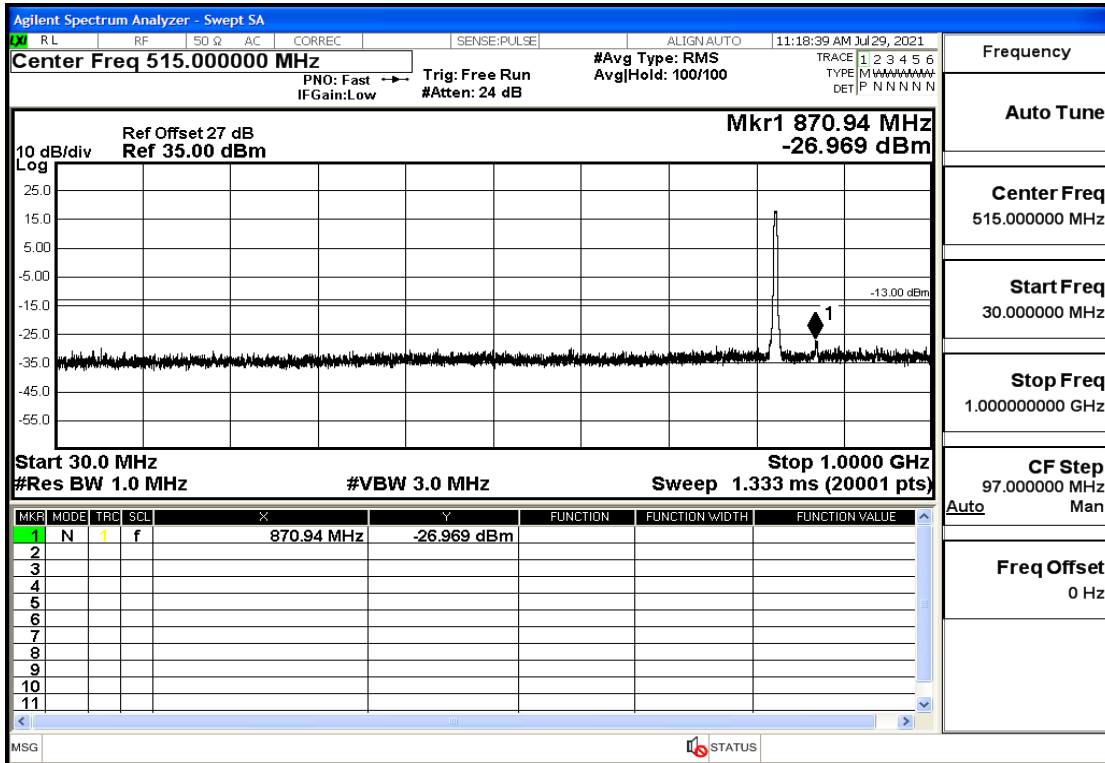
OB5-1.4-848.3-QPSK-1#HIGH@30mHz-1GHz@Pass



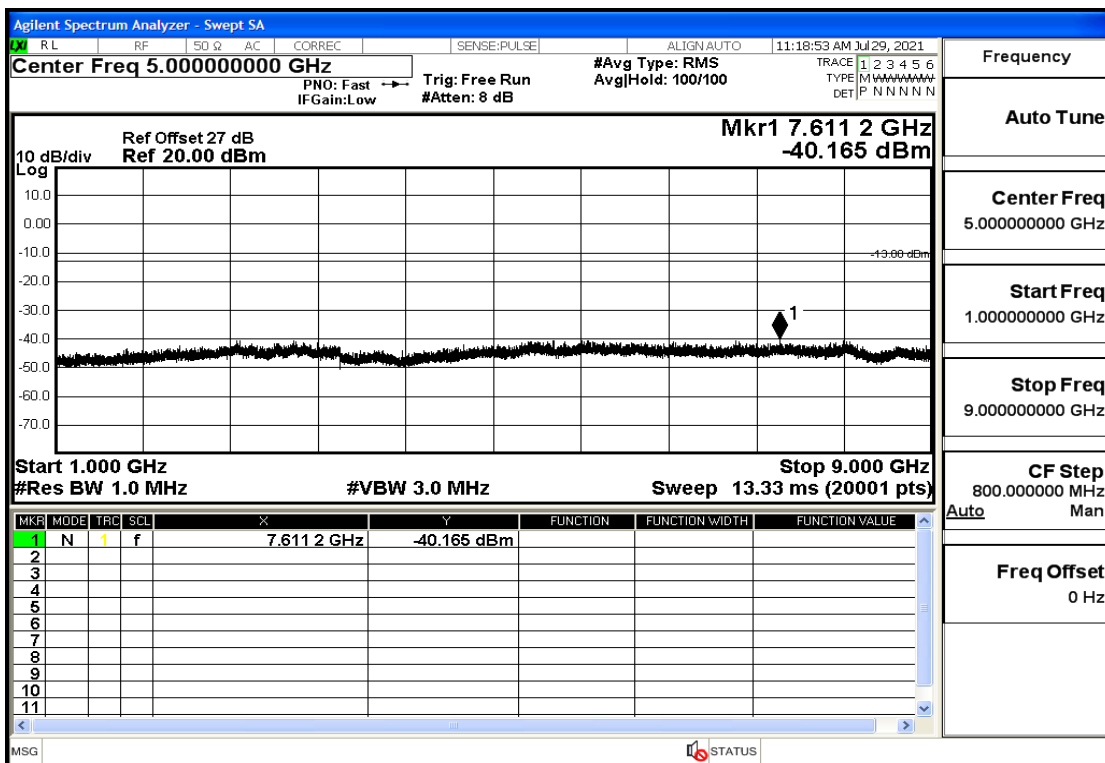
OB5-1.4-848.3-QPSK-1#HIGH@1GHz-9GHz@Pass



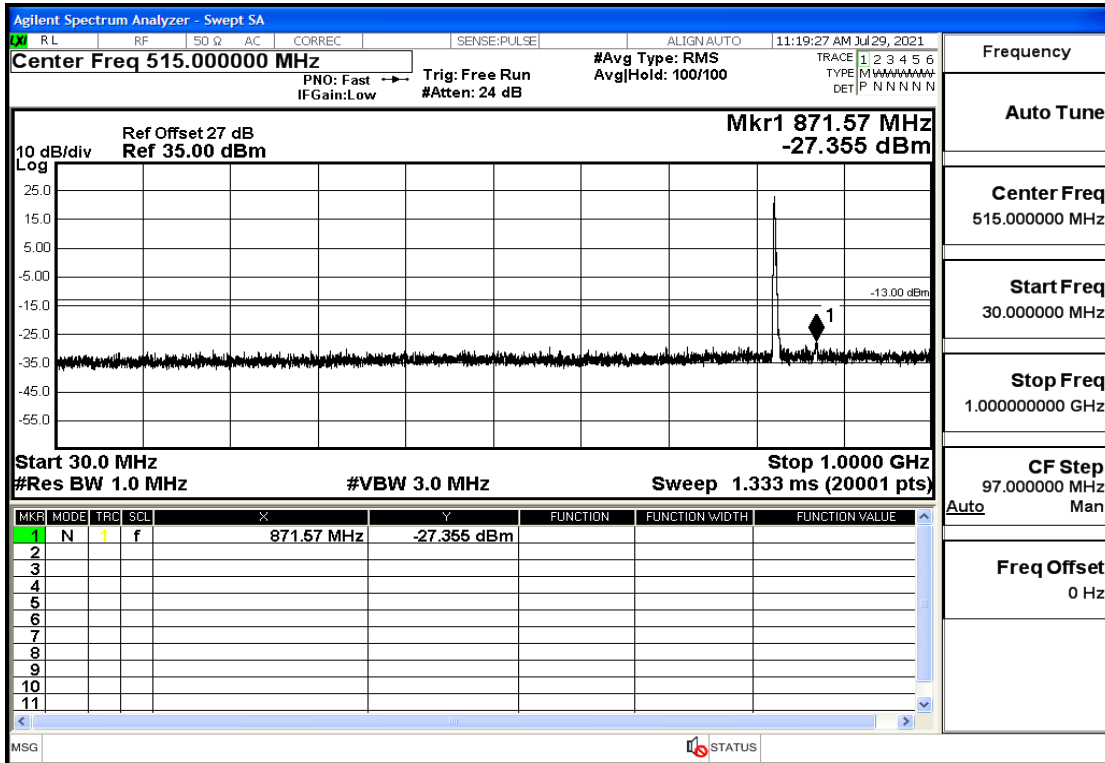
OB5-3-825.5-QPSK-15#LOW@30mHz-1GHz@Pass



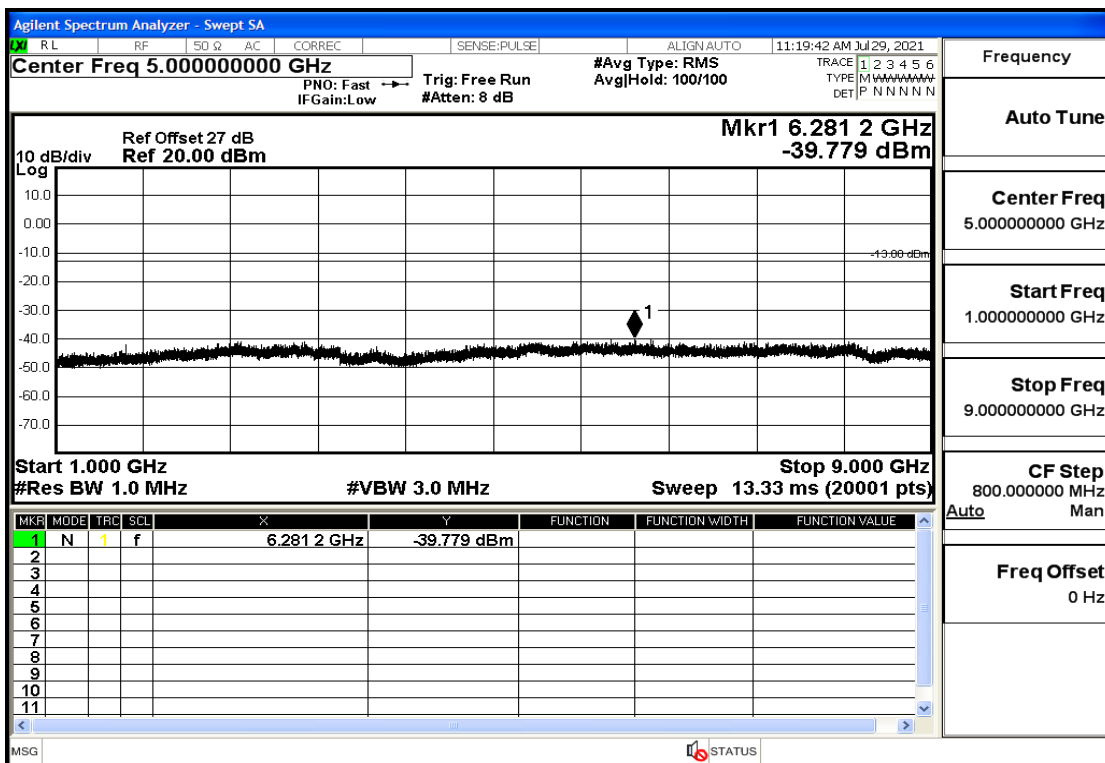
OB5-3-825.5-QPSK-15#LOW@1GHz-9GHz@Pass



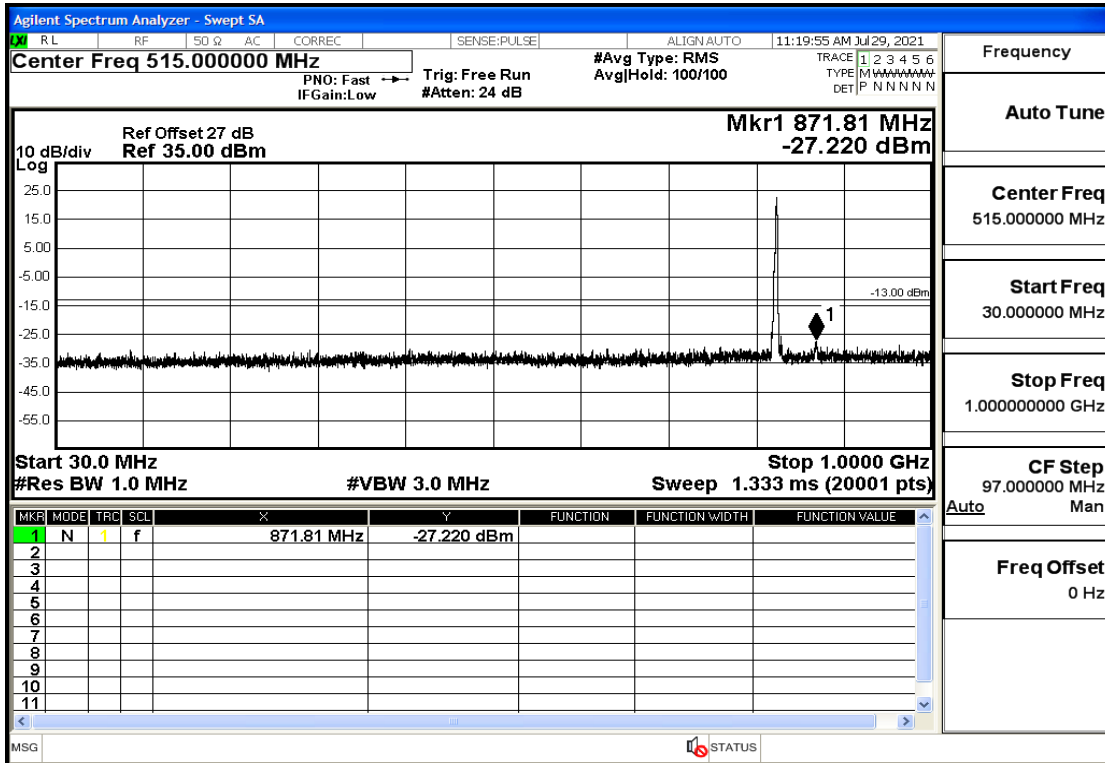
OB5-3-825.5-QPSK-1#LOW@30mHz-1GHz@Pass



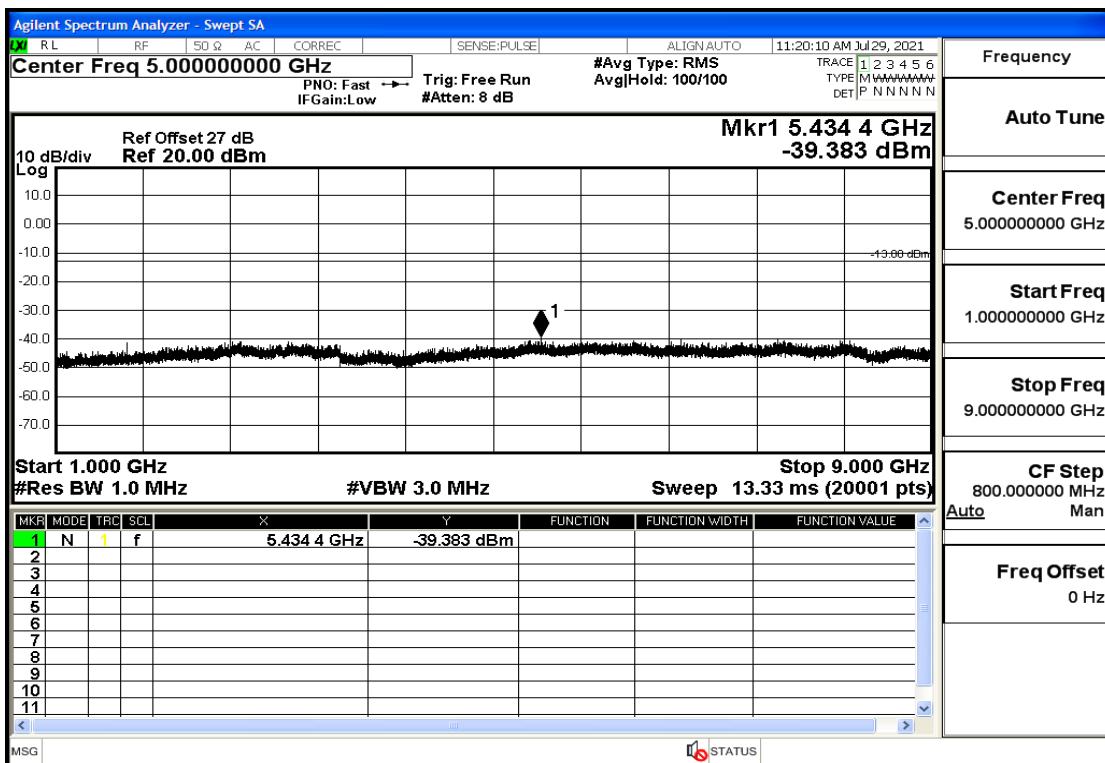
OB5-3-825.5-QPSK-1#LOW@1GHz-9GHz@Pass



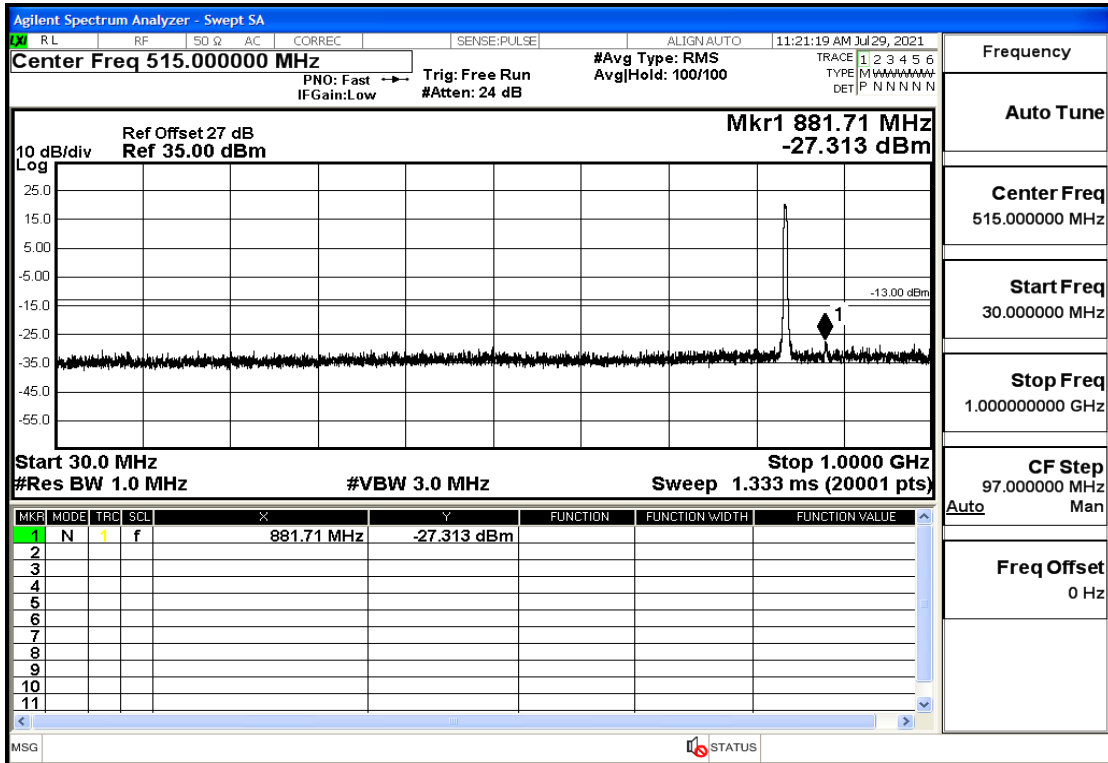
OB5-3-825.5-QPSK-1#HIGH@30mHz-1GHz@Pass



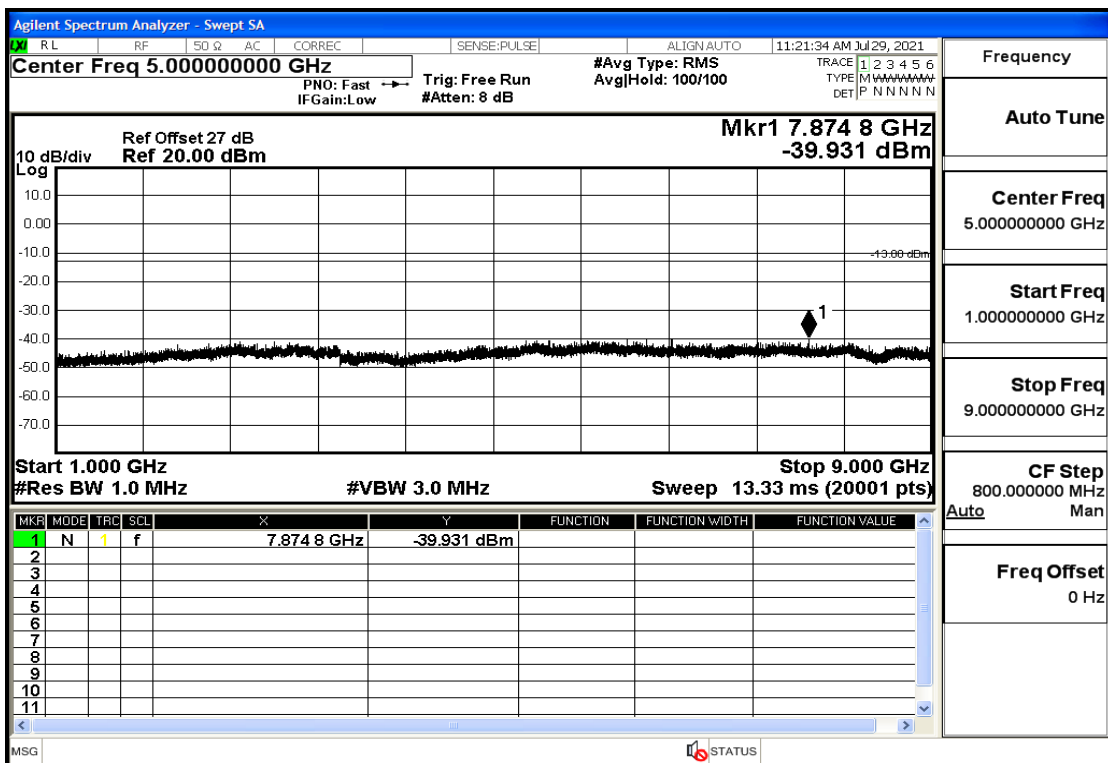
OB5-3-825.5-QPSK-1#HIGH@1GHz-9GHz@Pass



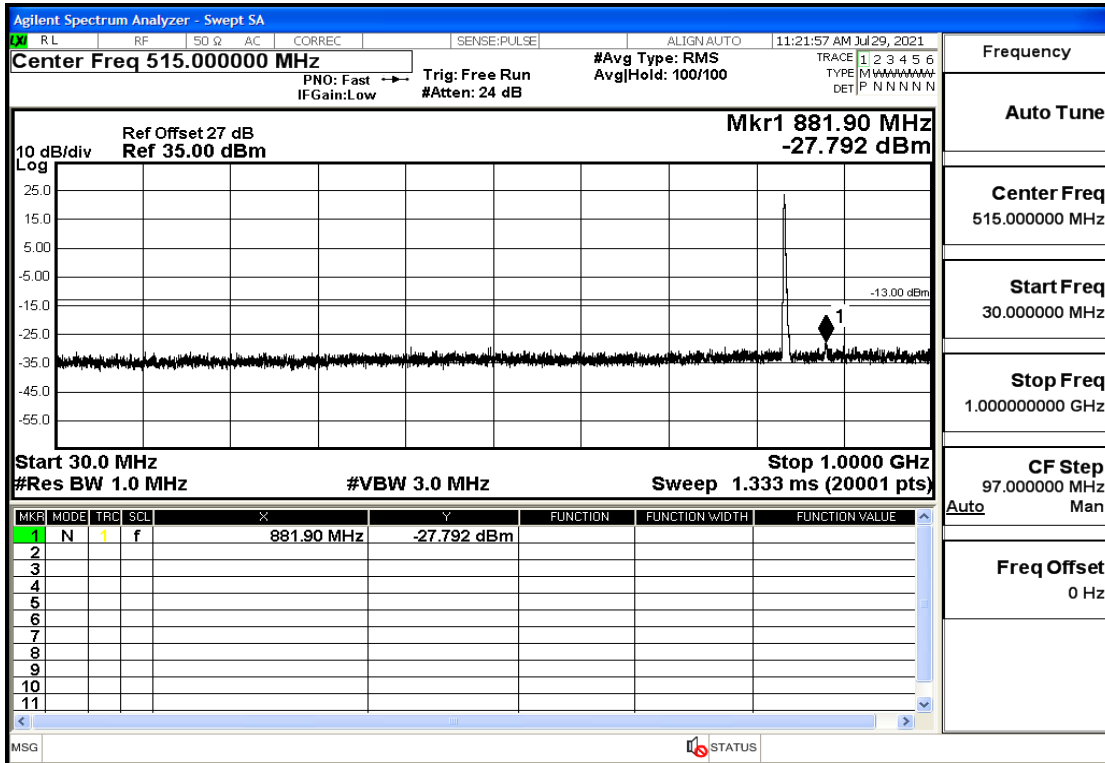
OB5-3-836.5-QPSK-15#LOW@30mHz-1GHz@Pass



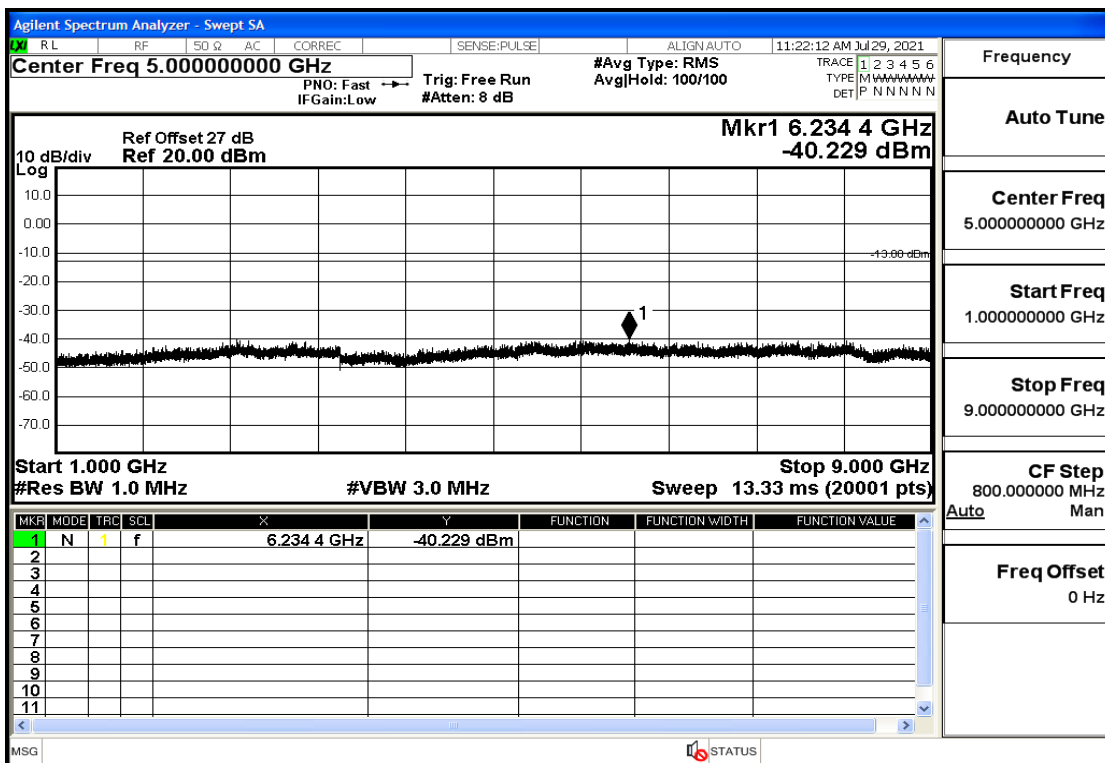
OB5-3-836.5-QPSK-15#LOW@1GHz-9GHz@Pass



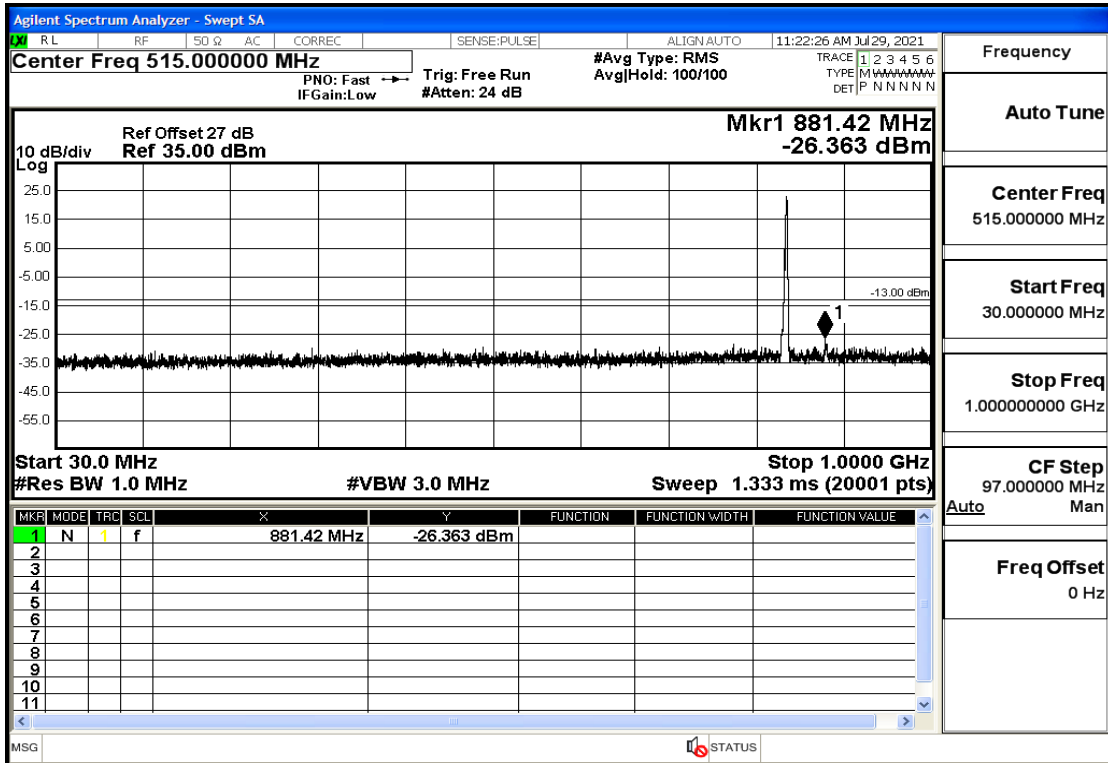
OB5-3-836.5-QPSK-1#LOW@30mHz-1GHz@Pass



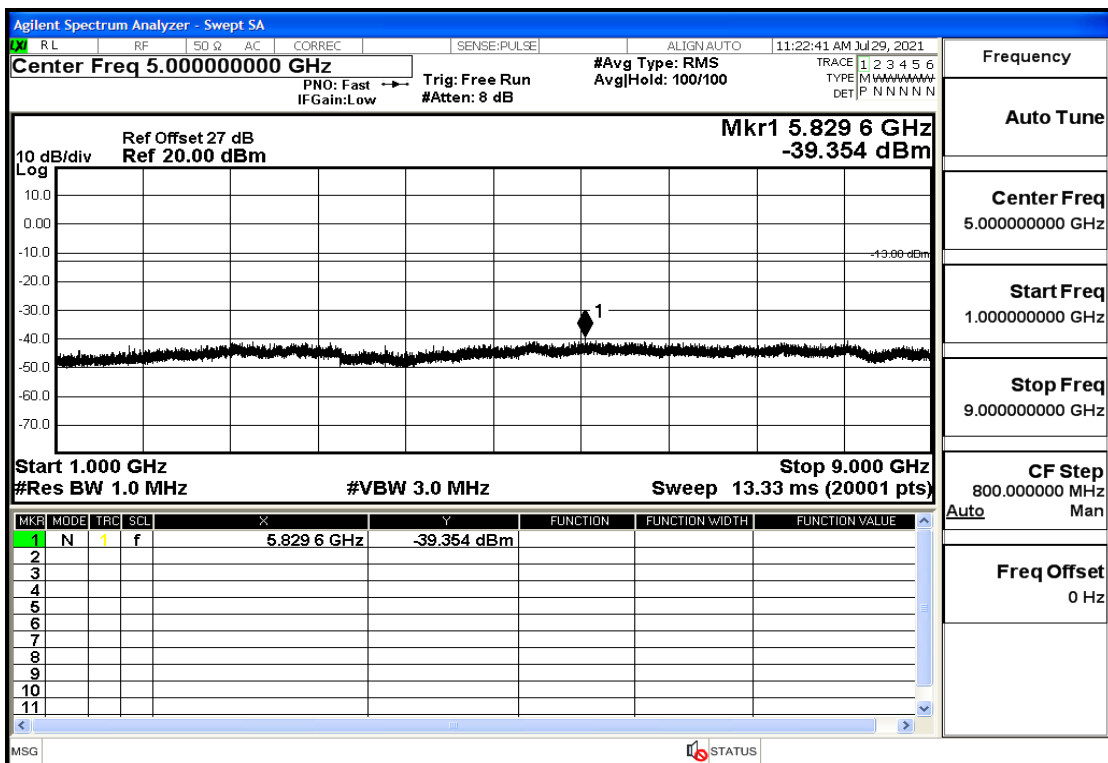
OB5-3-836.5-QPSK-1#LOW@1GHz-9GHz@Pass



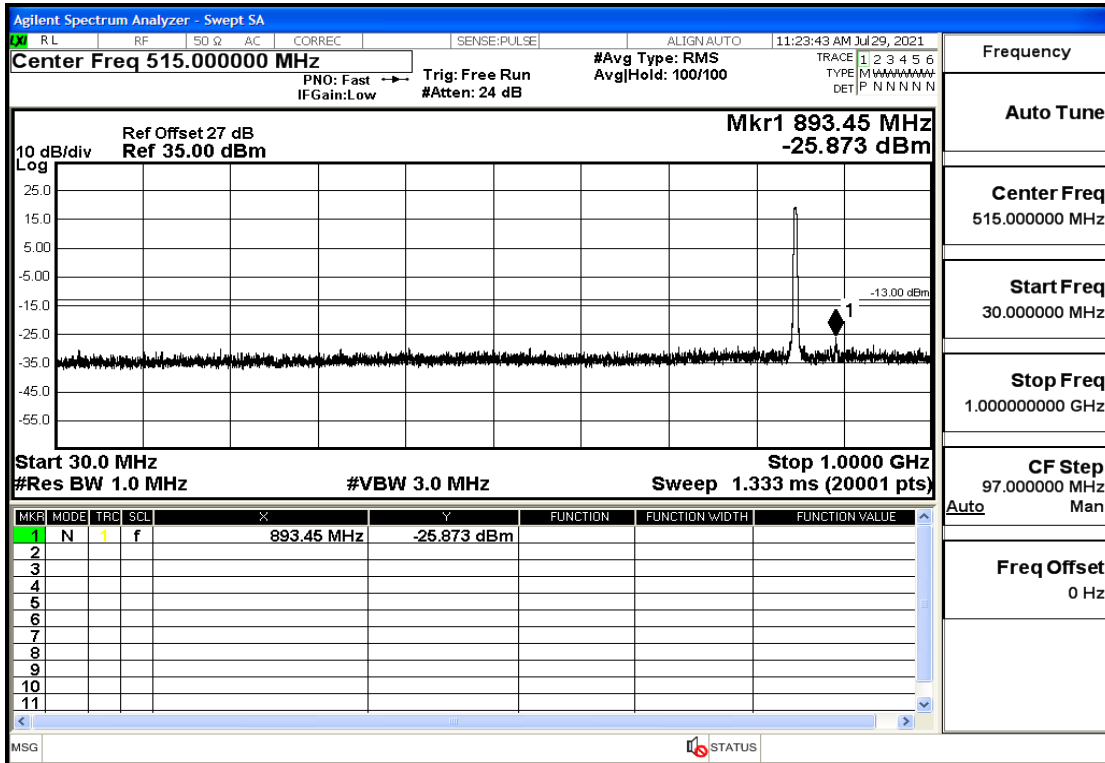
OB5-3-836.5-QPSK-1#HIGH@30mHz-1GHz@Pass



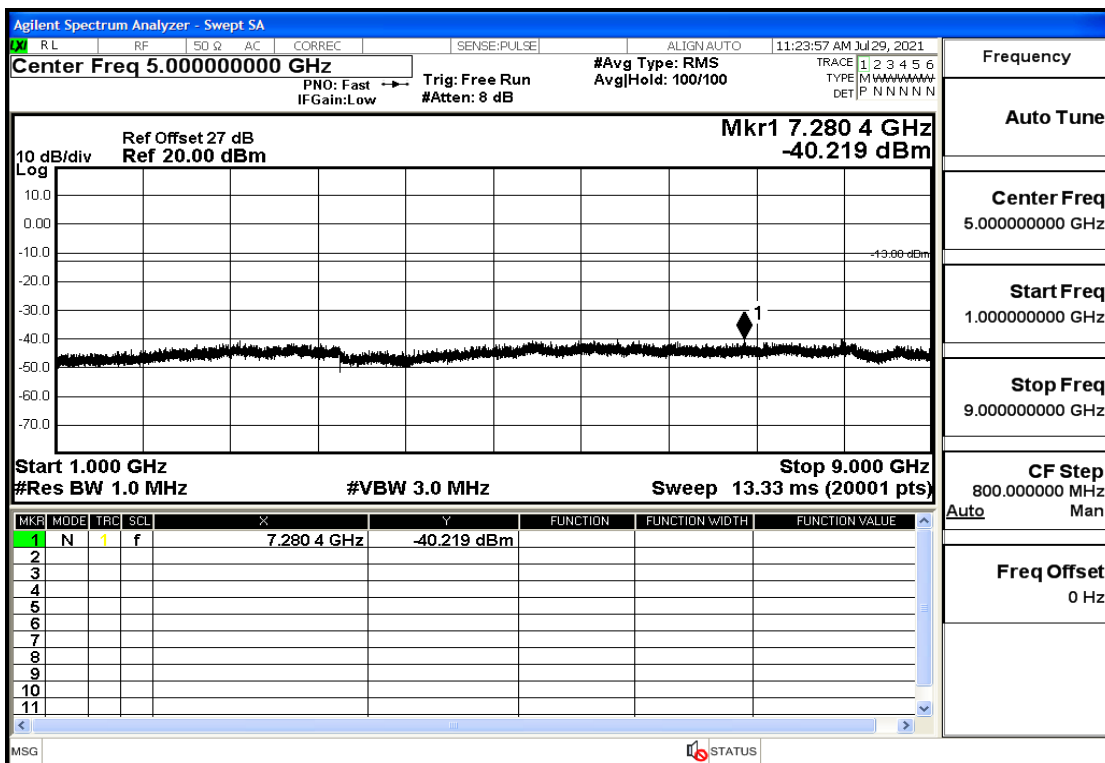
OB5-3-836.5-QPSK-1#HIGH@1GHz-9GHz@Pass



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

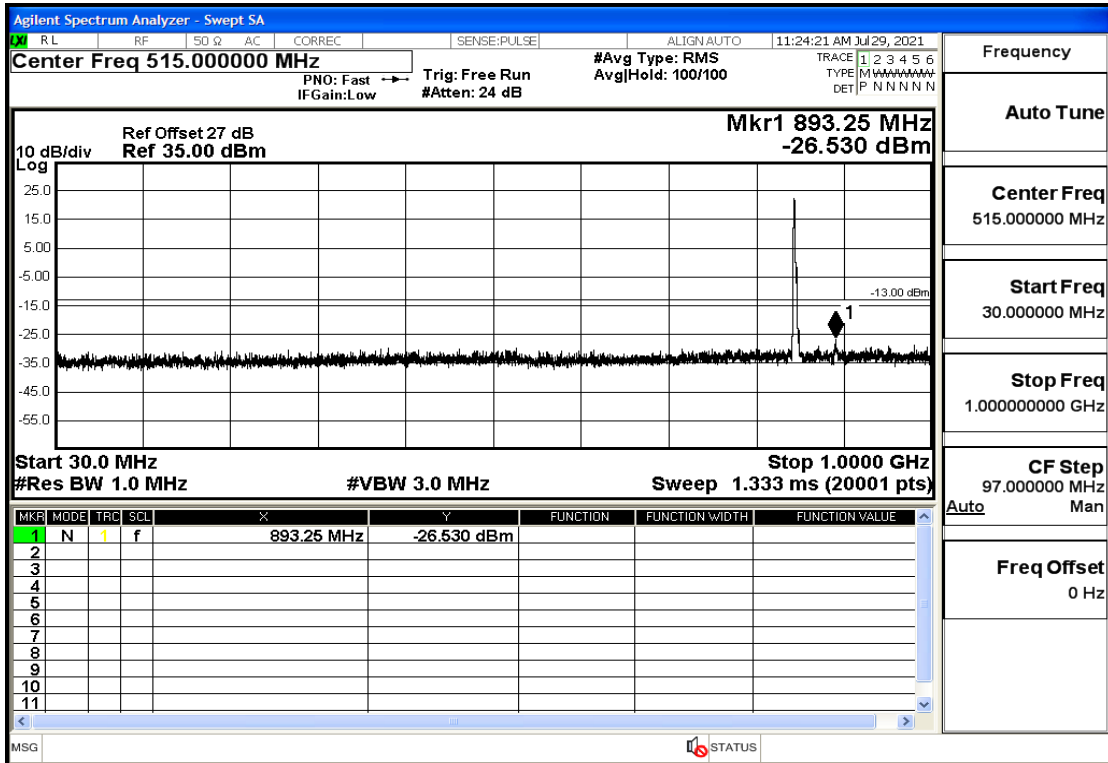


OB5-3-847.5-QPSK-15#LOW@1GHz-9GHz@Pass

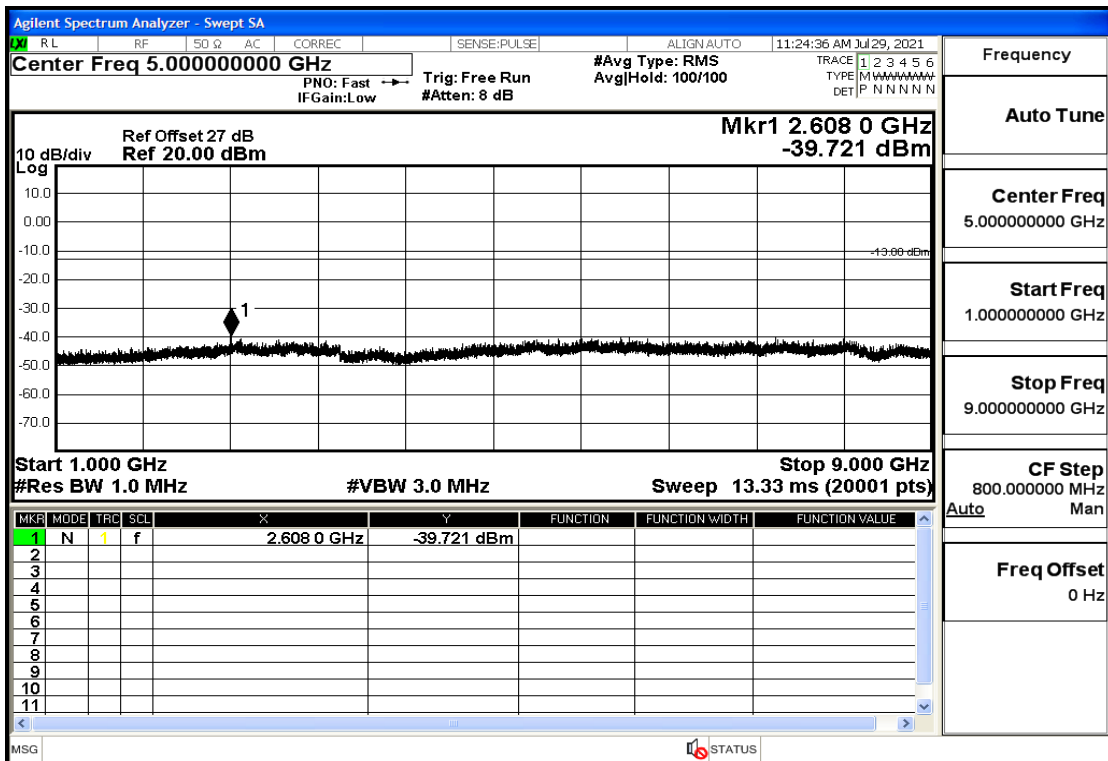




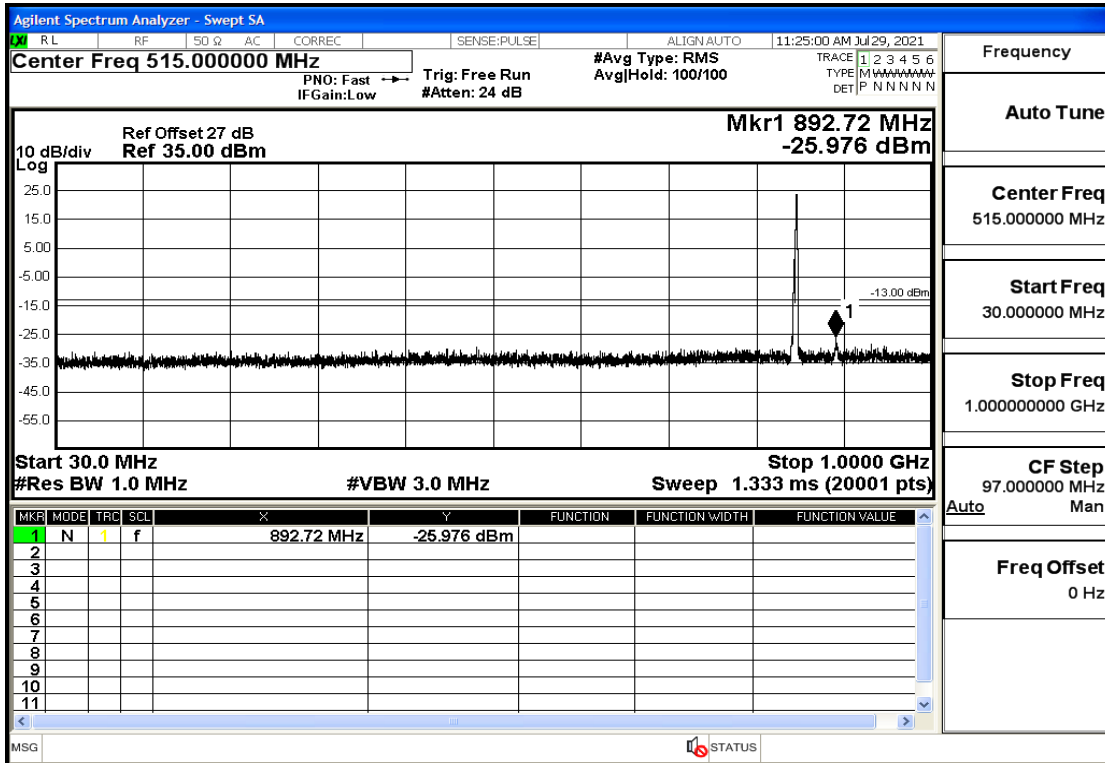
OB5-3-847.5-QPSK-1#LOW@30mHz-1GHz@Pass



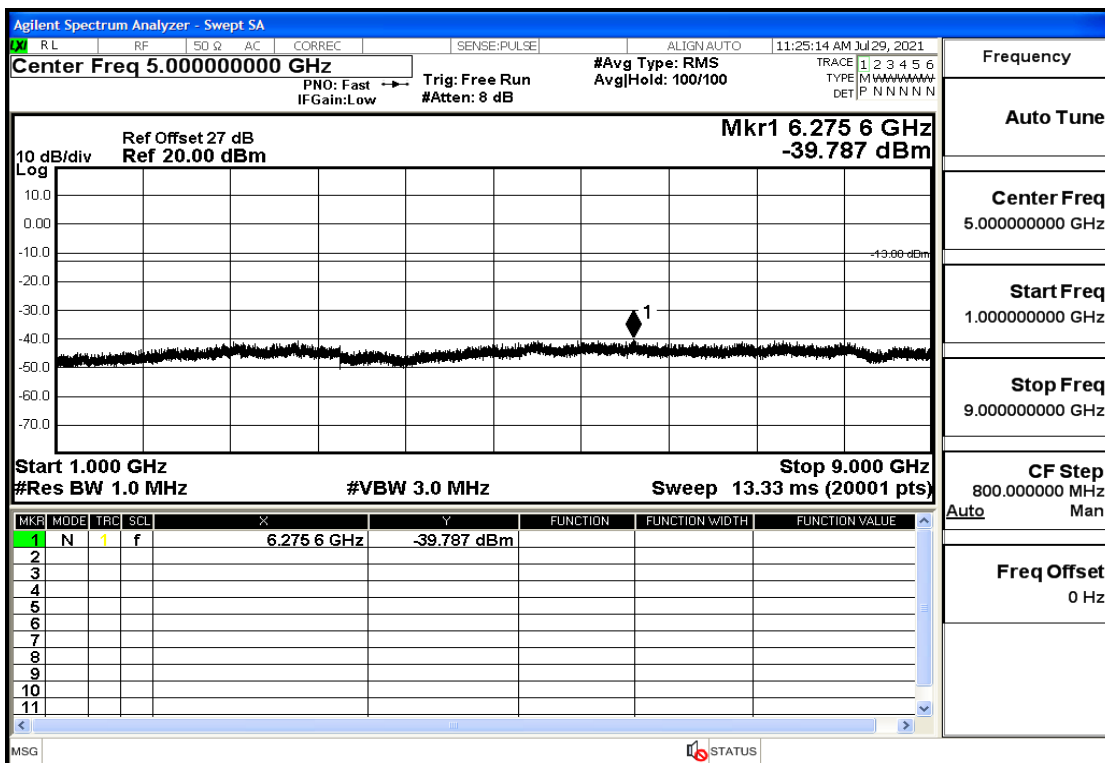
OB5-3-847.5-QPSK-1#LOW@1GHz-9GHz@Pass



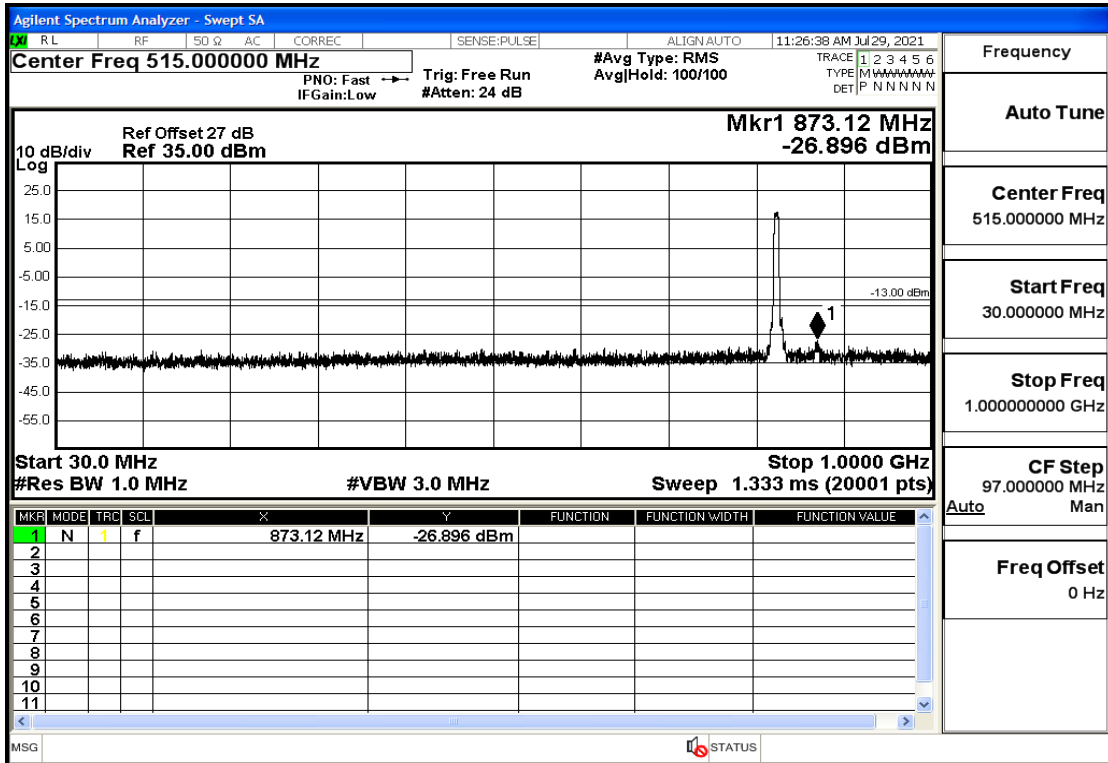
OB5-3-847.5-QPSK-1#HIGH@30mHz-1GHz@Pass



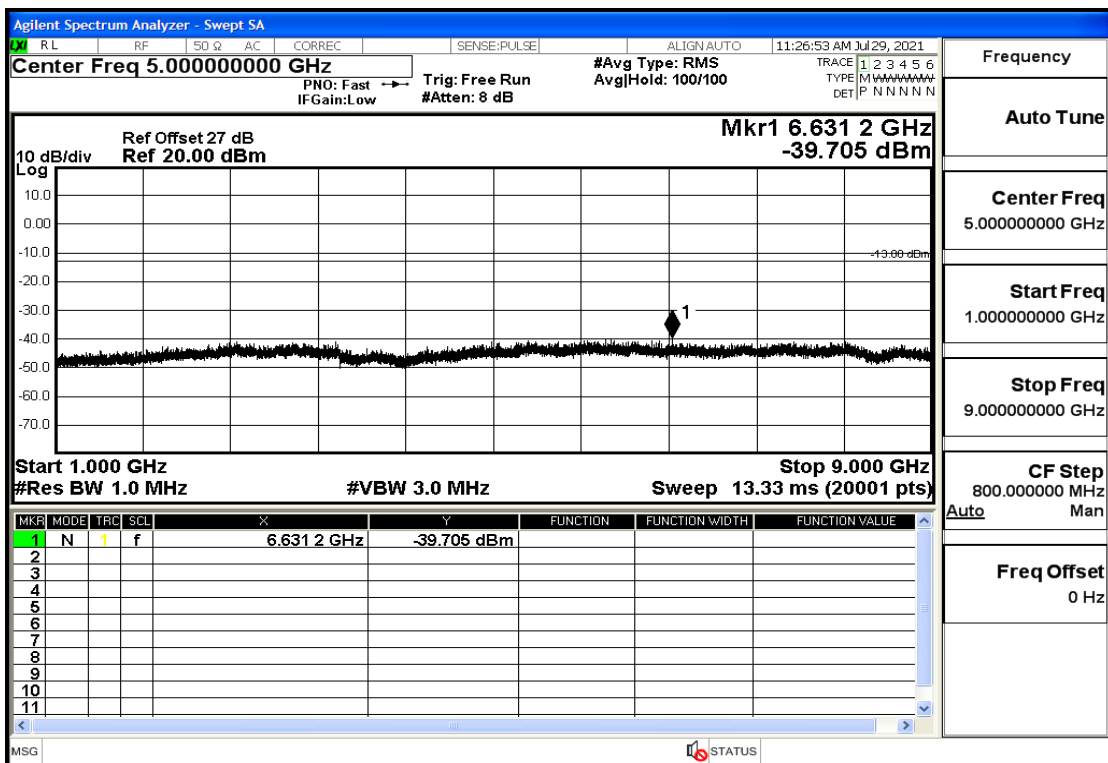
OB5-3-847.5-QPSK-1#HIGH@1GHz-9GHz@Pass



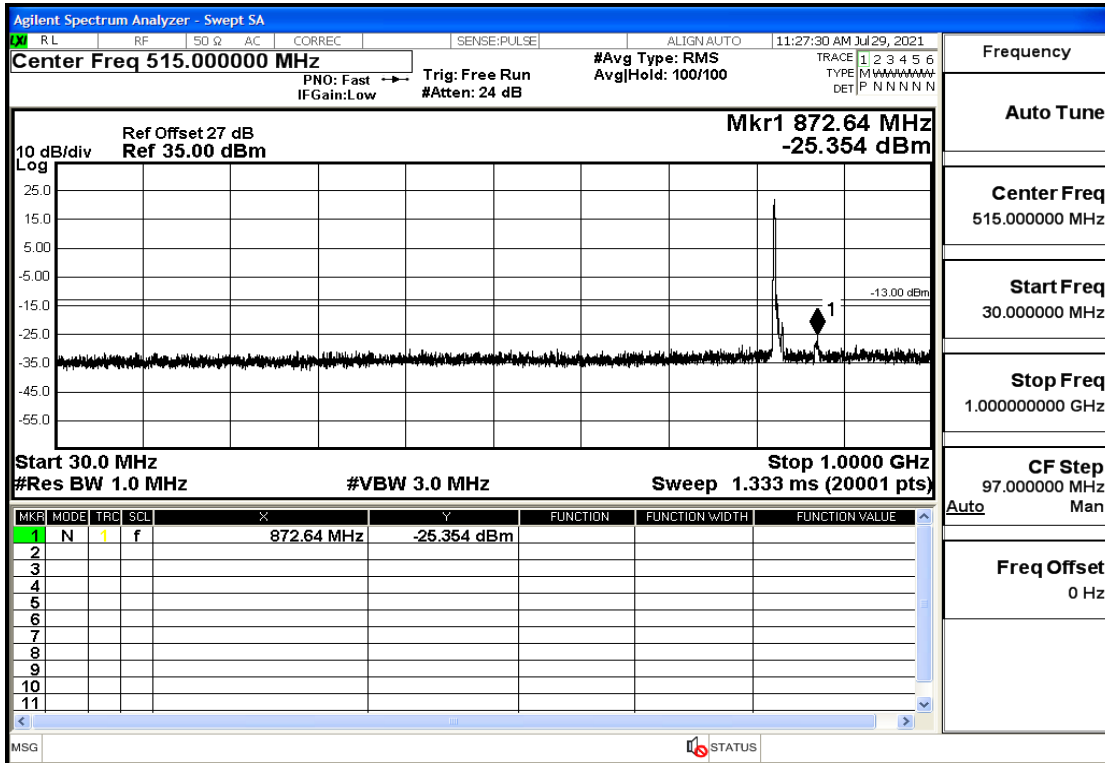
OB5-5-826.5-QPSK-25#LOW@30mHz-1GHz@Pass



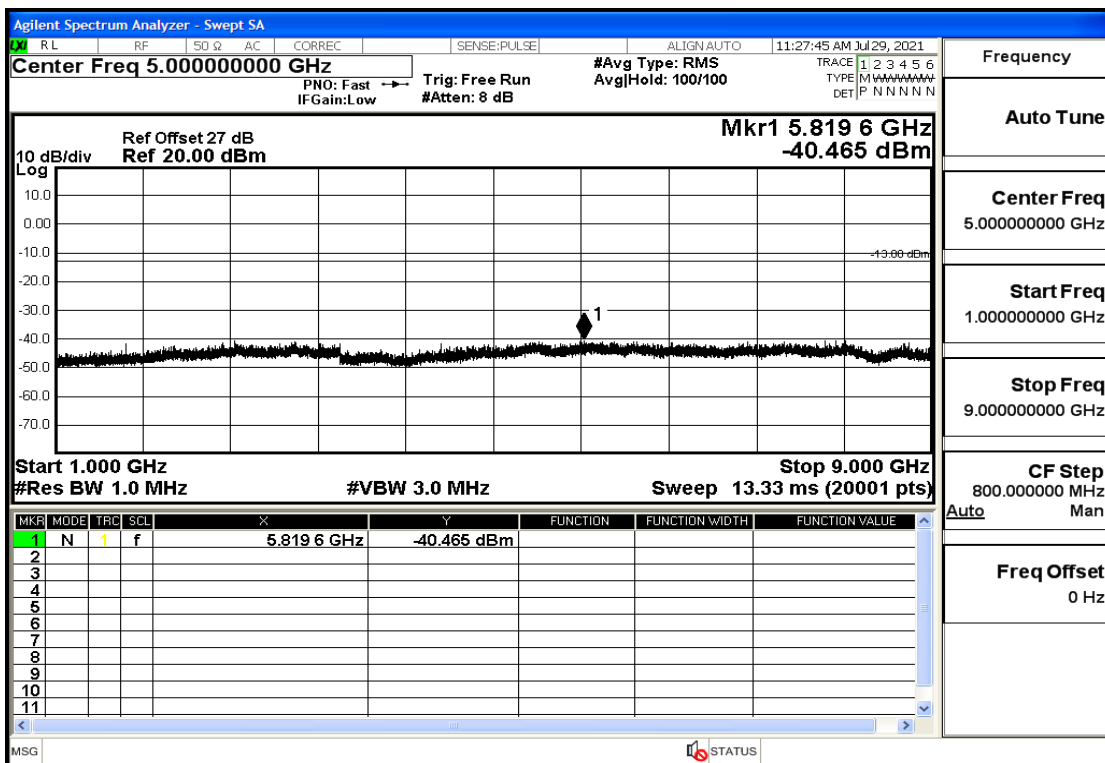
OB5-5-826.5-QPSK-25#LOW@1GHz-9GHz@Pass



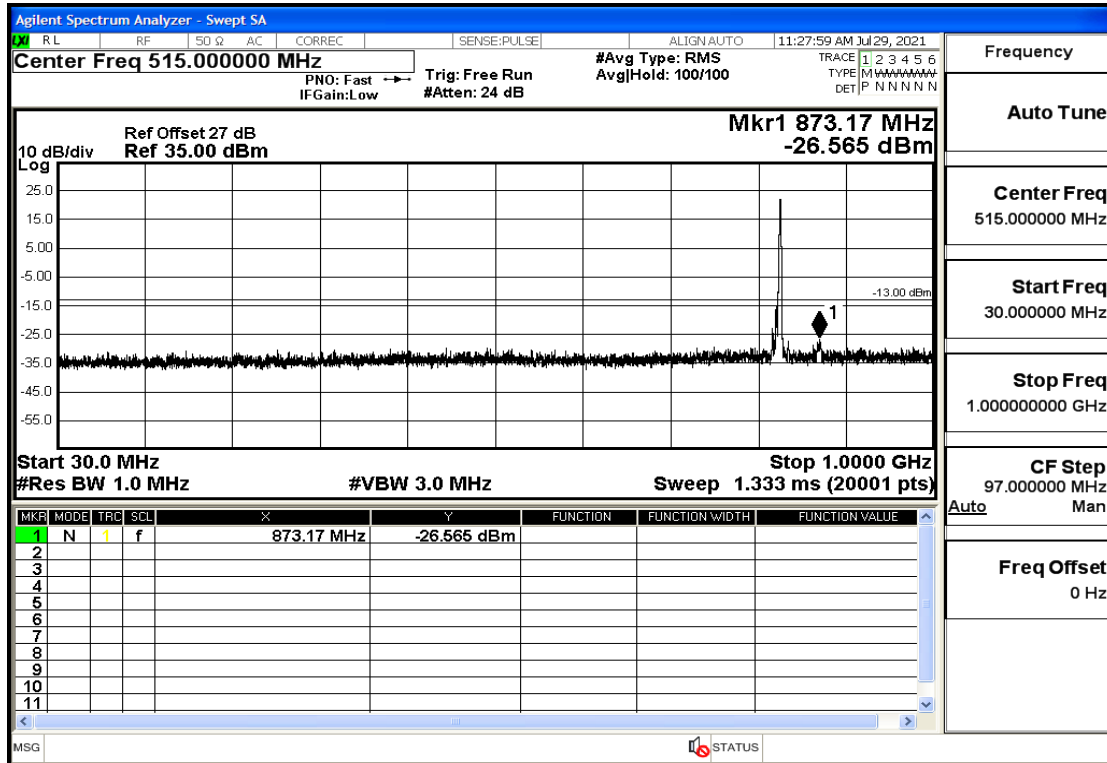
OB5-5-826.5-QPSK-1#LOW@30mHz-1GHz@Pass



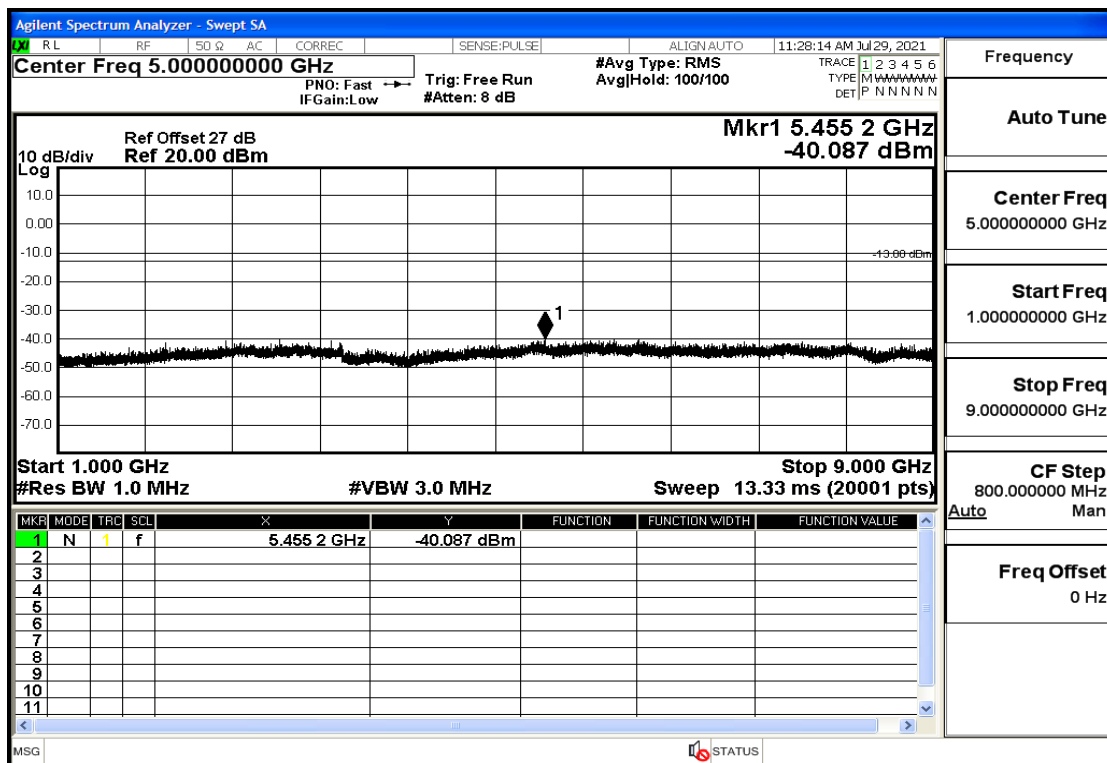
OB5-5-826.5-QPSK-1#LOW@1GHz-9GHz@Pass



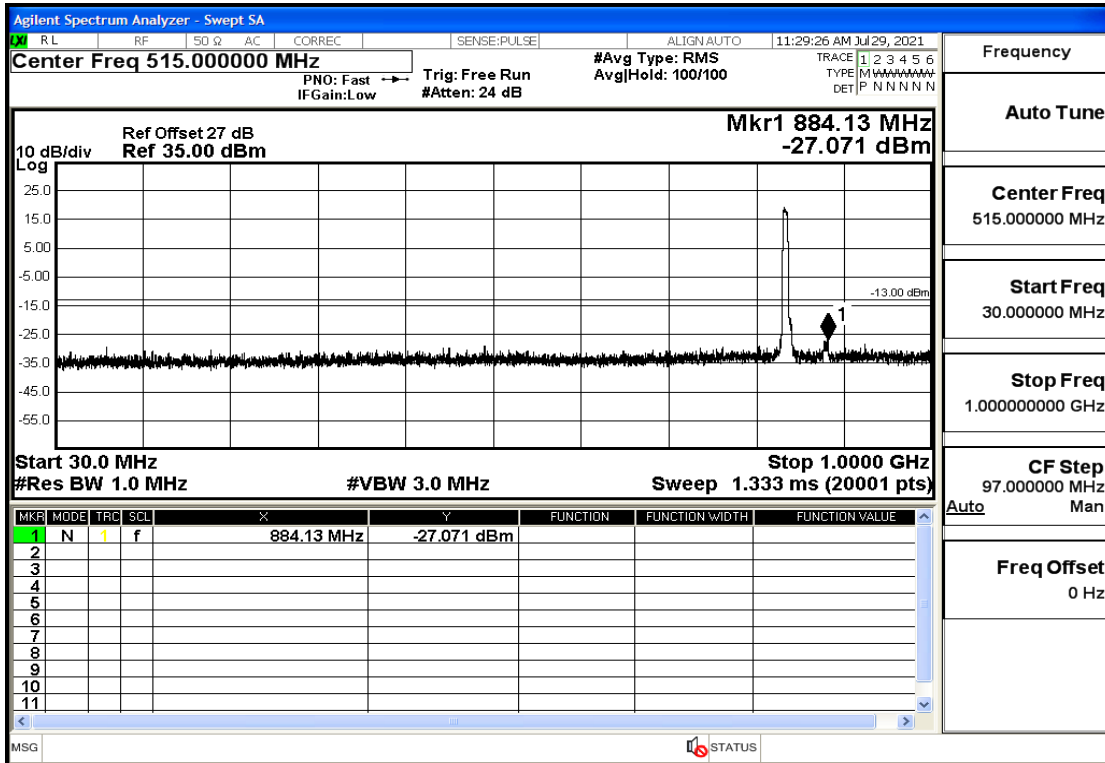
OB5-5-826.5-QPSK-1#HIGH@30mHz-1GHz@Pass



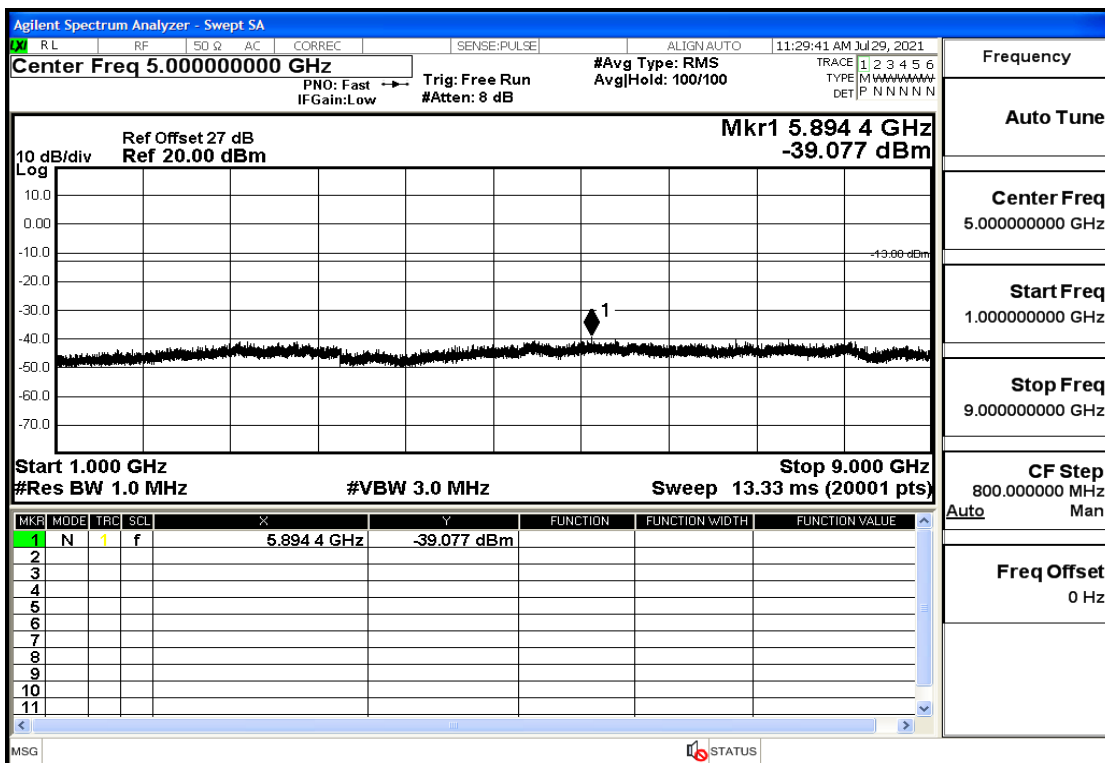
OB5-5-826.5-QPSK-1#HIGH@1GHz-9GHz@Pass



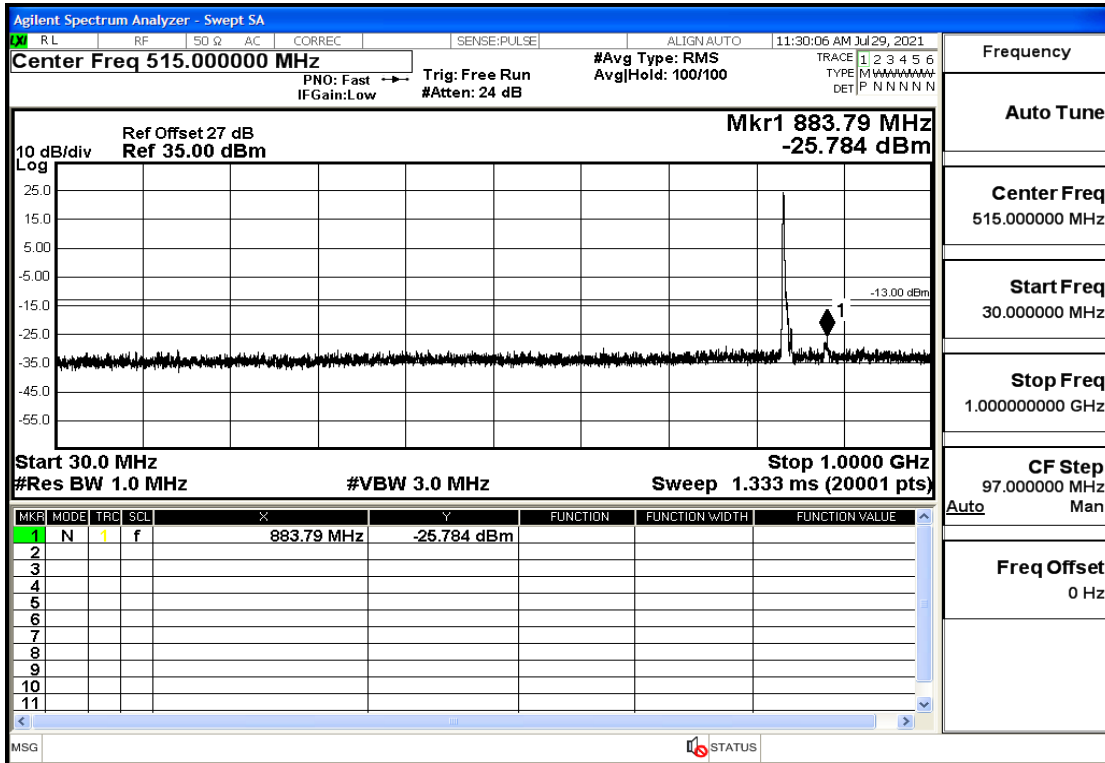
OB5-5-836.5-QPSK-25#LOW@30mHz-1GHz@Pass



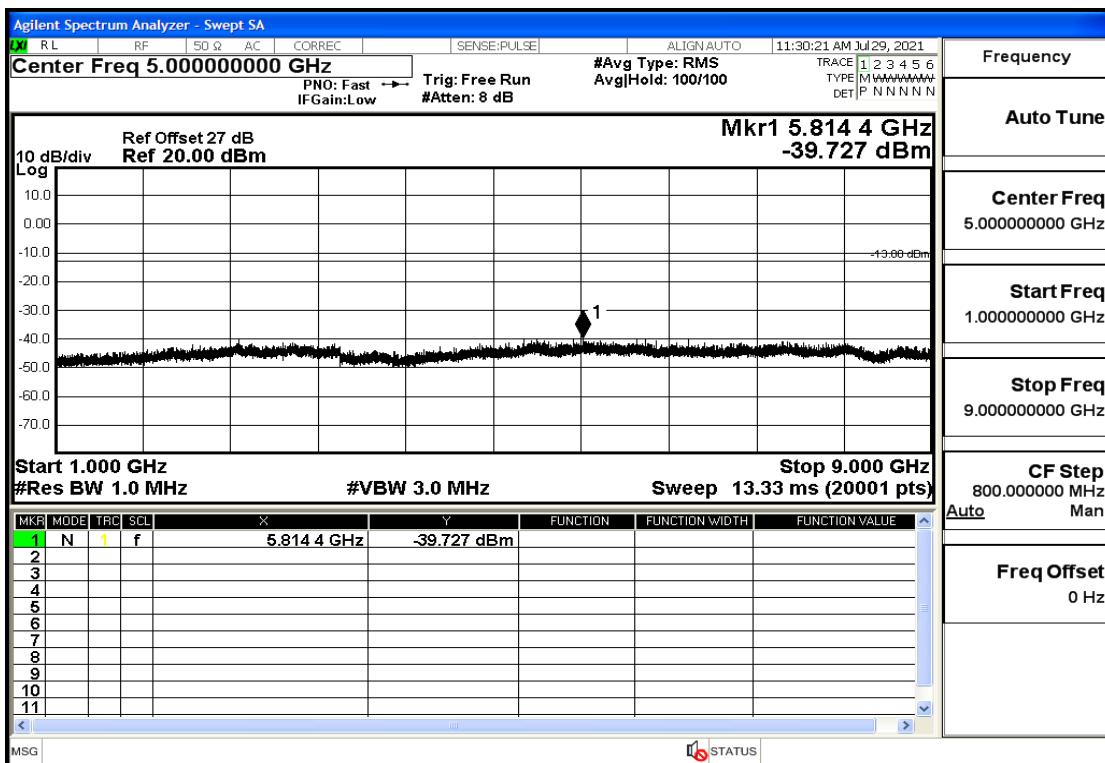
OB5-5-836.5-QPSK-25#LOW@1GHz-9GHz@Pass



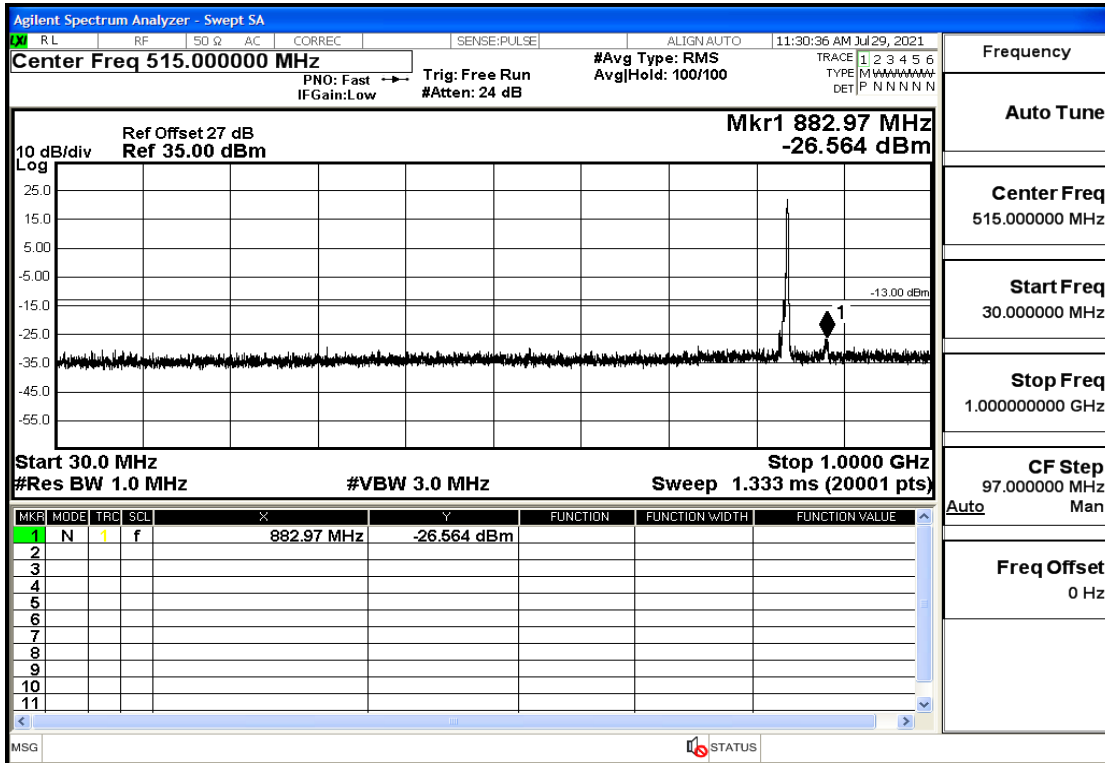
OB5-5-836.5-QPSK-1#LOW@30mHz-1GHz@Pass



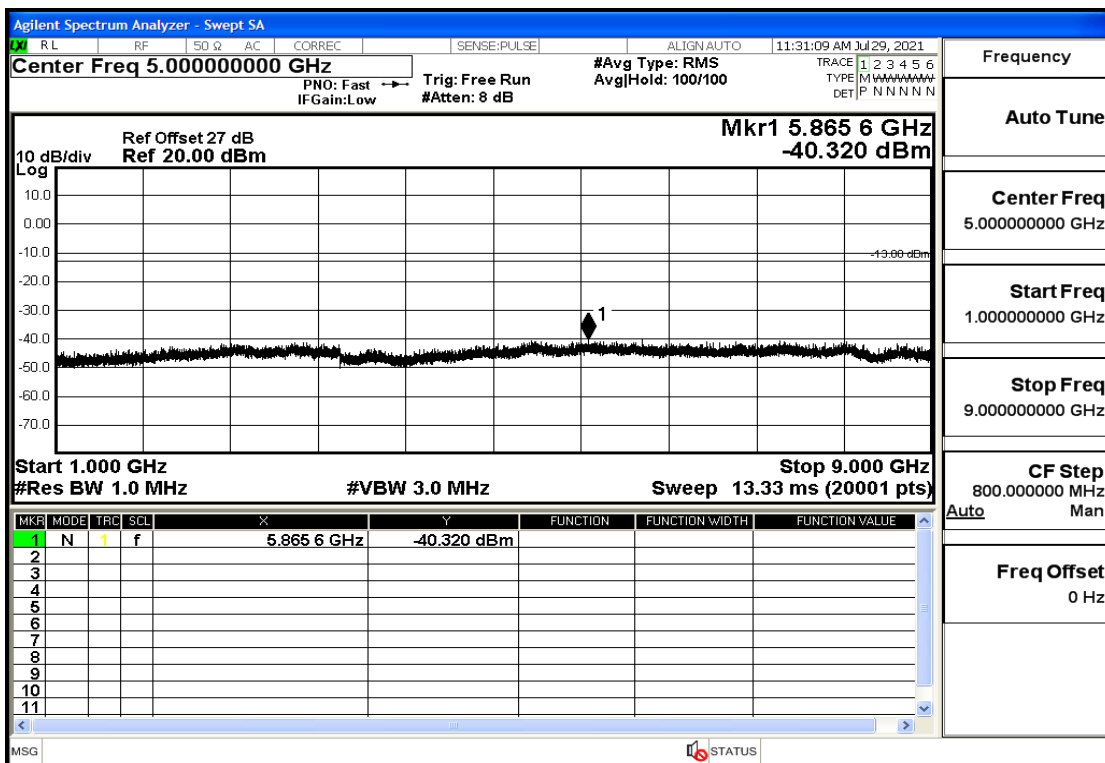
OB5-5-836.5-QPSK-1#LOW@1GHz-9GHz@Pass



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

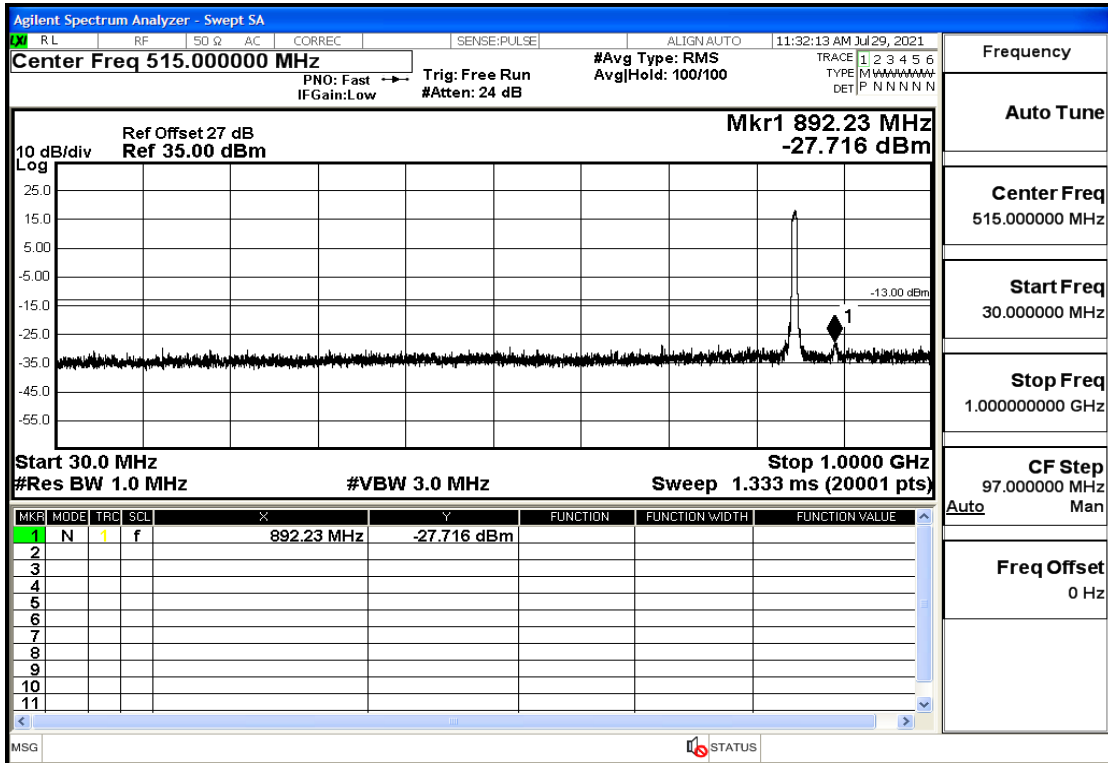


OB5-5-836.5-QPSK-1#HIGH@1GHz-9GHz@Pass

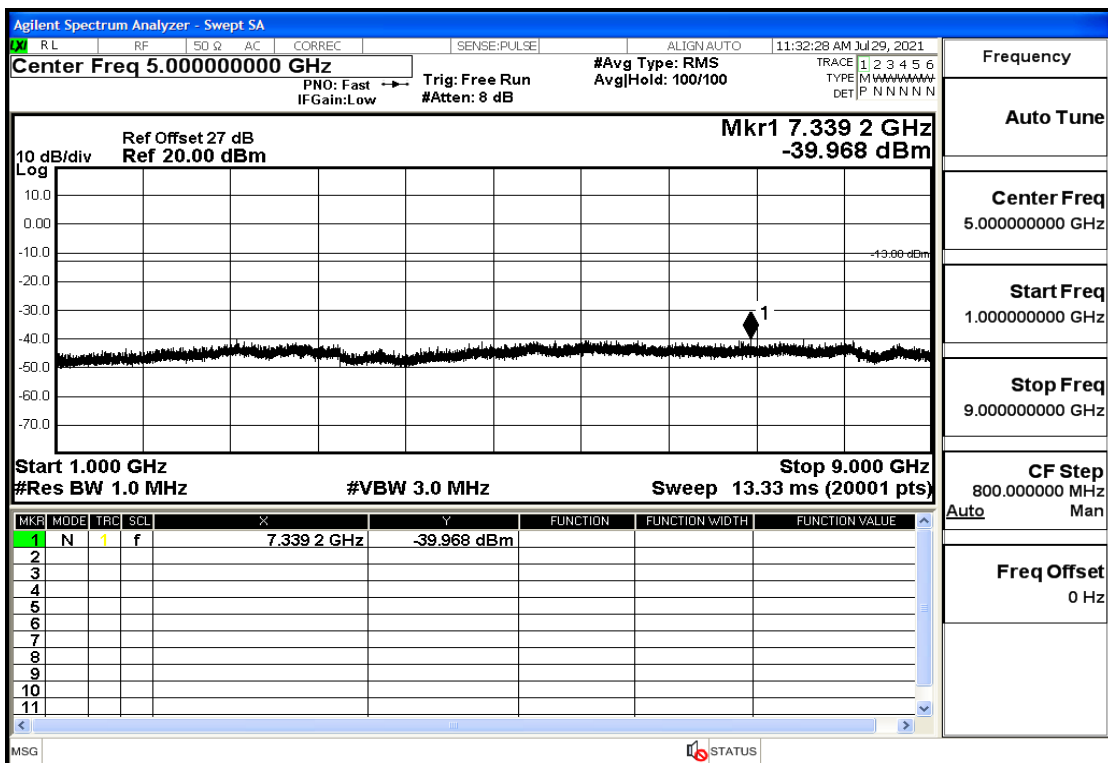




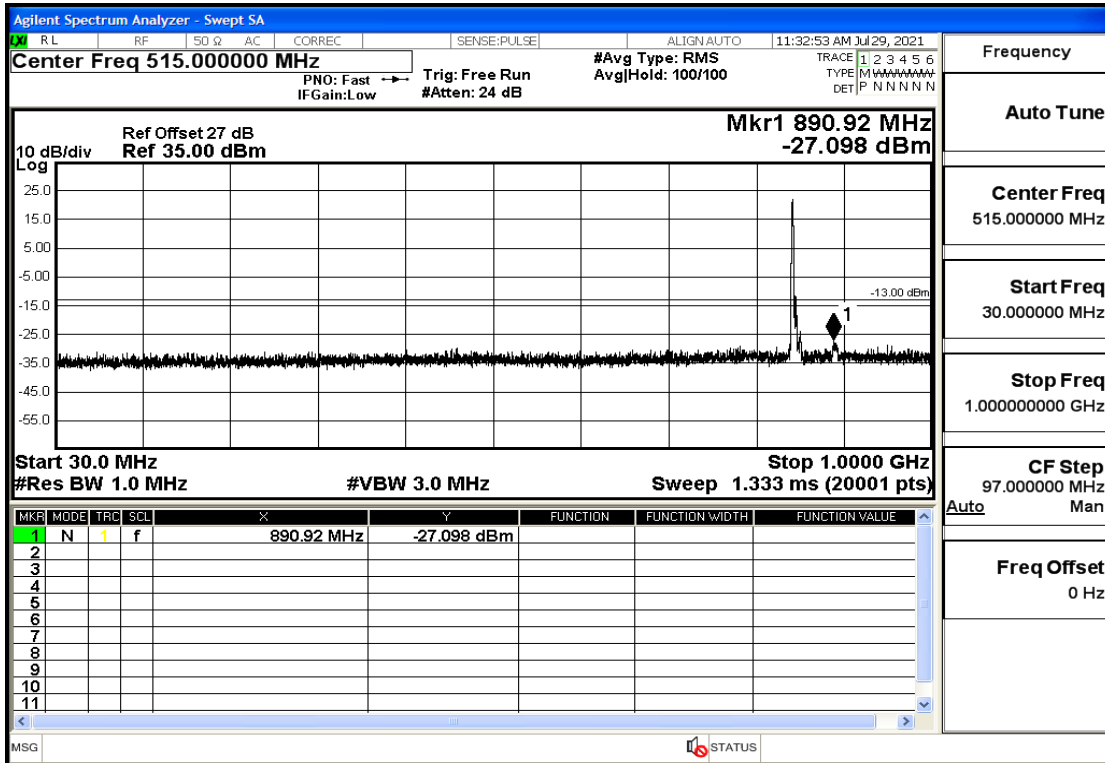
OB5-5-846.5-QPSK-25#LOW@30mHz-1GHz@Pass



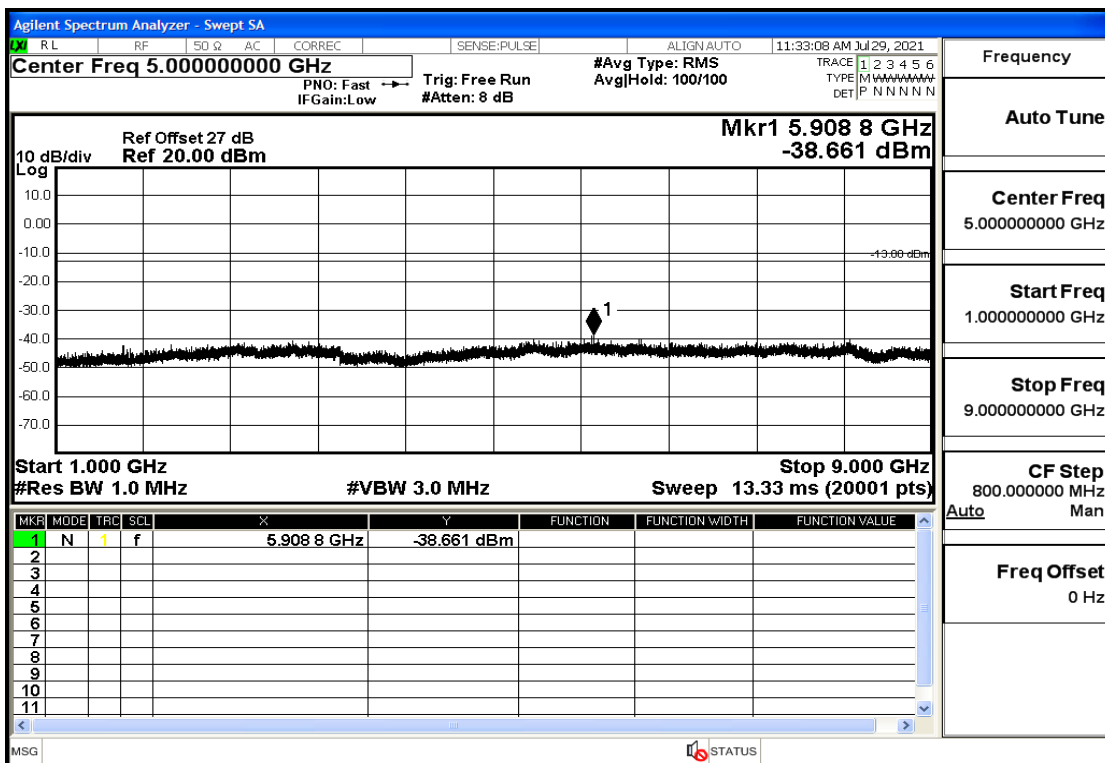
OB5-5-846.5-QPSK-25#LOW@1GHz-9GHz@Pass



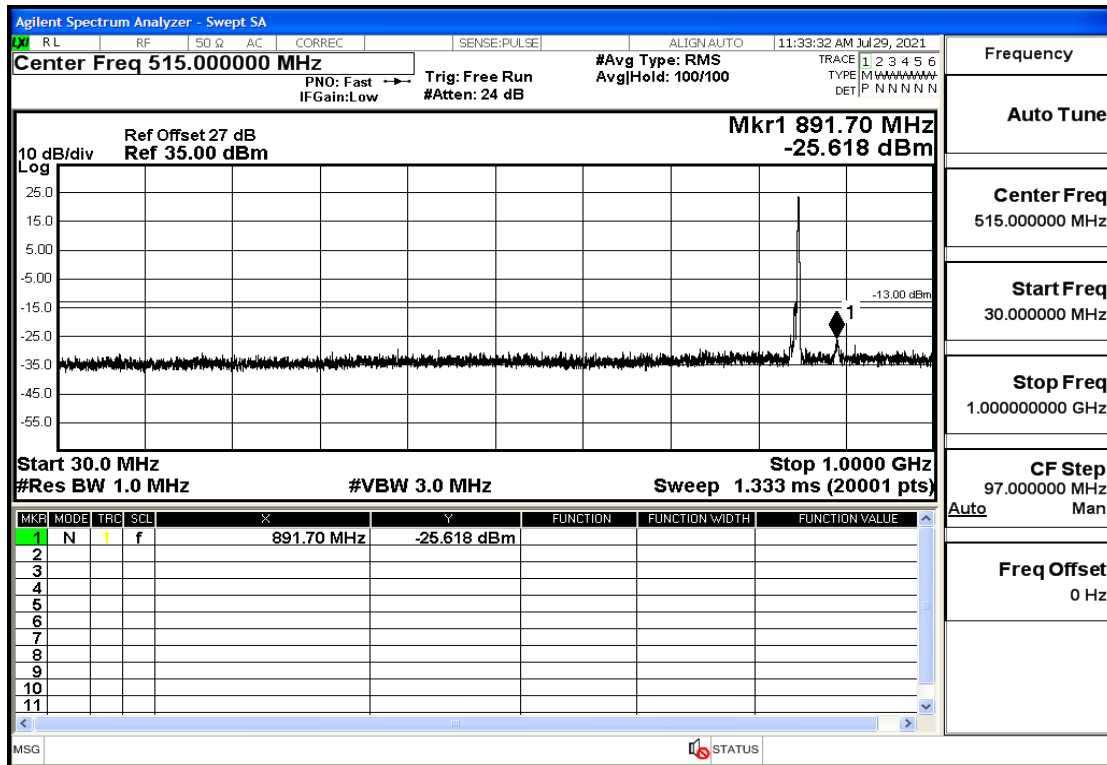
OB5-5-846.5-QPSK-1#LOW@30mHz-1GHz@Pass



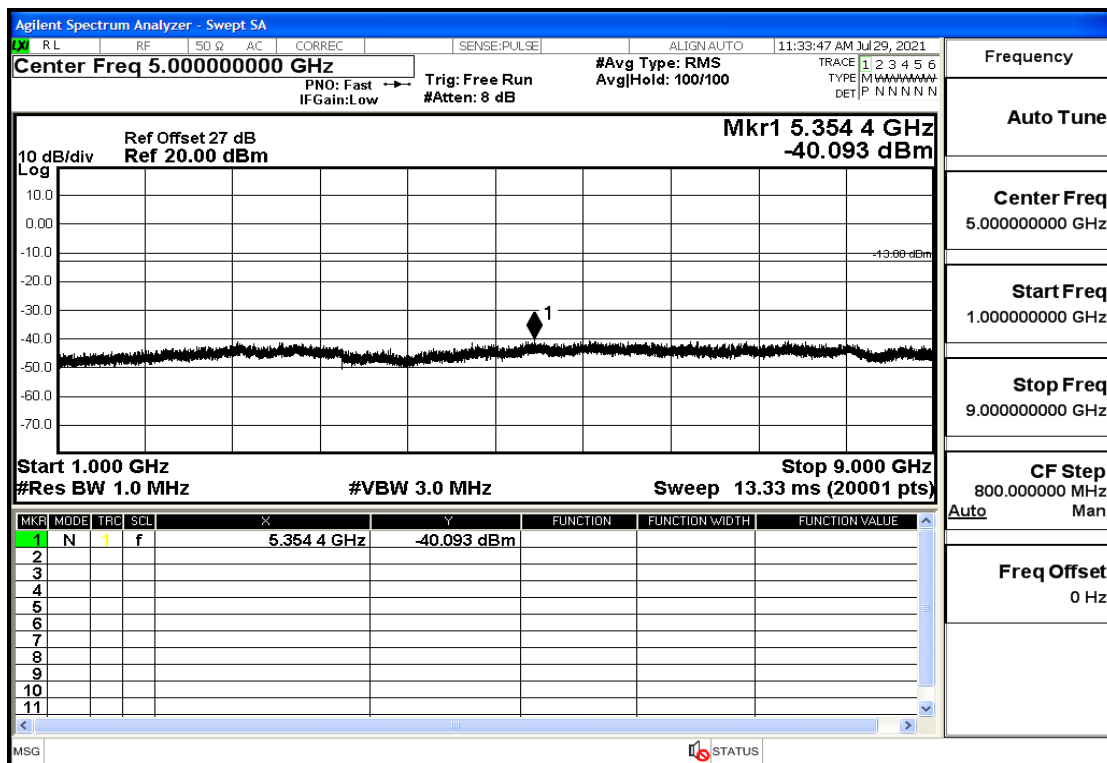
OB5-5-846.5-QPSK-1#LOW@1GHz-9GHz@Pass



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



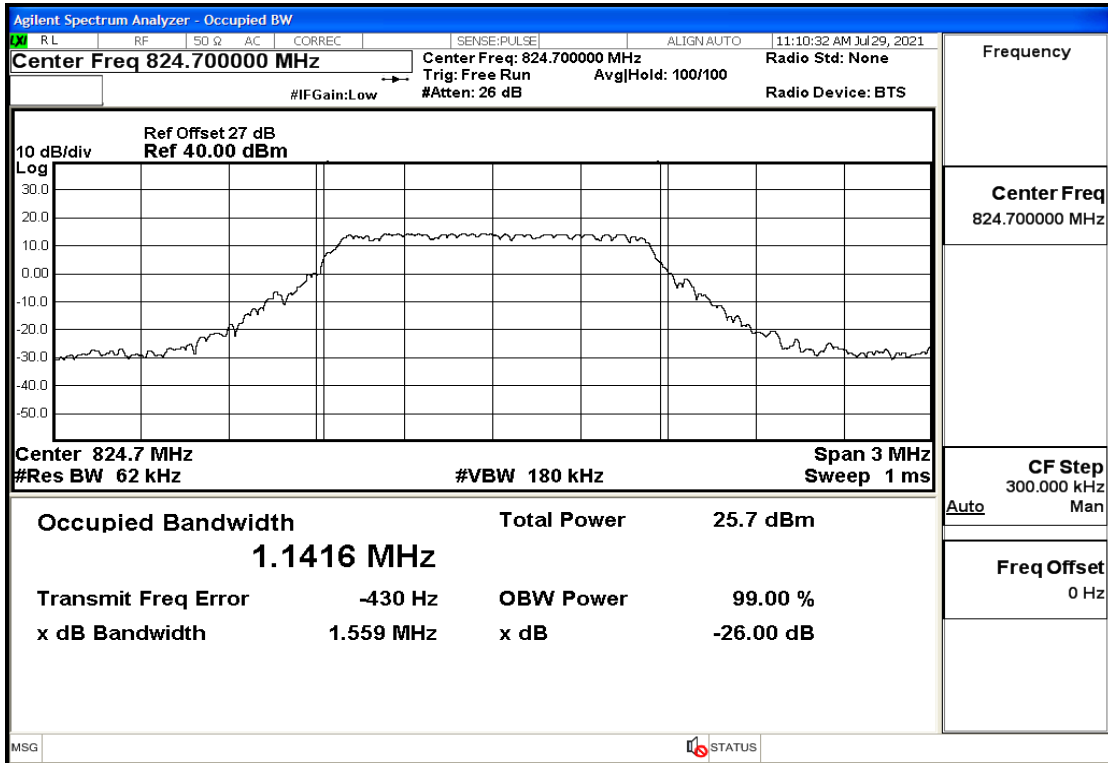
OB5-5-846.5-QPSK-1#HIGH@1GHz-9GHz@Pass



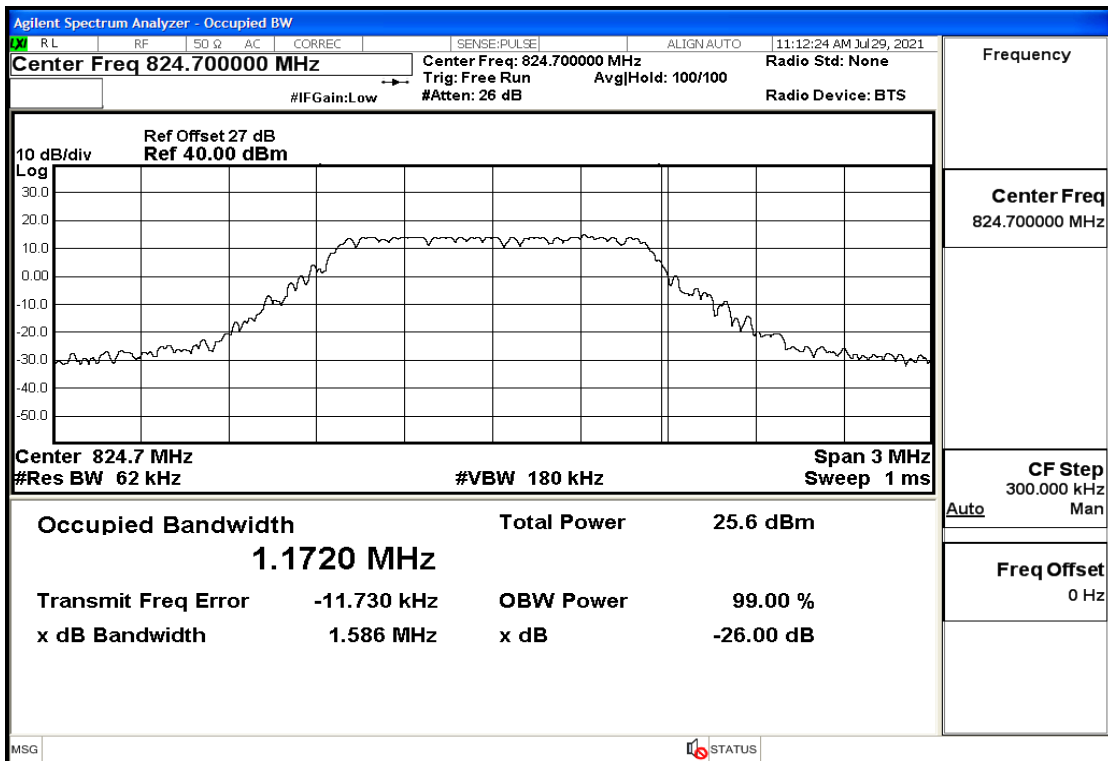
### Emission bandwidth and OBW

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

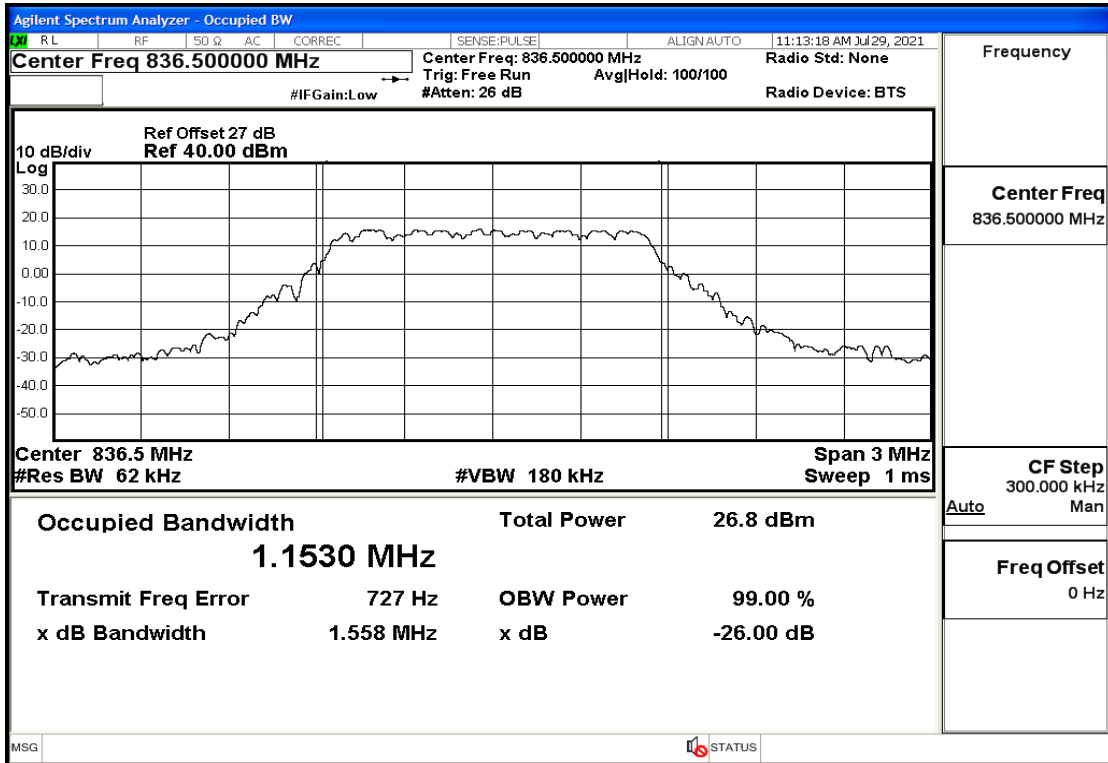
Band5-1.4-824.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



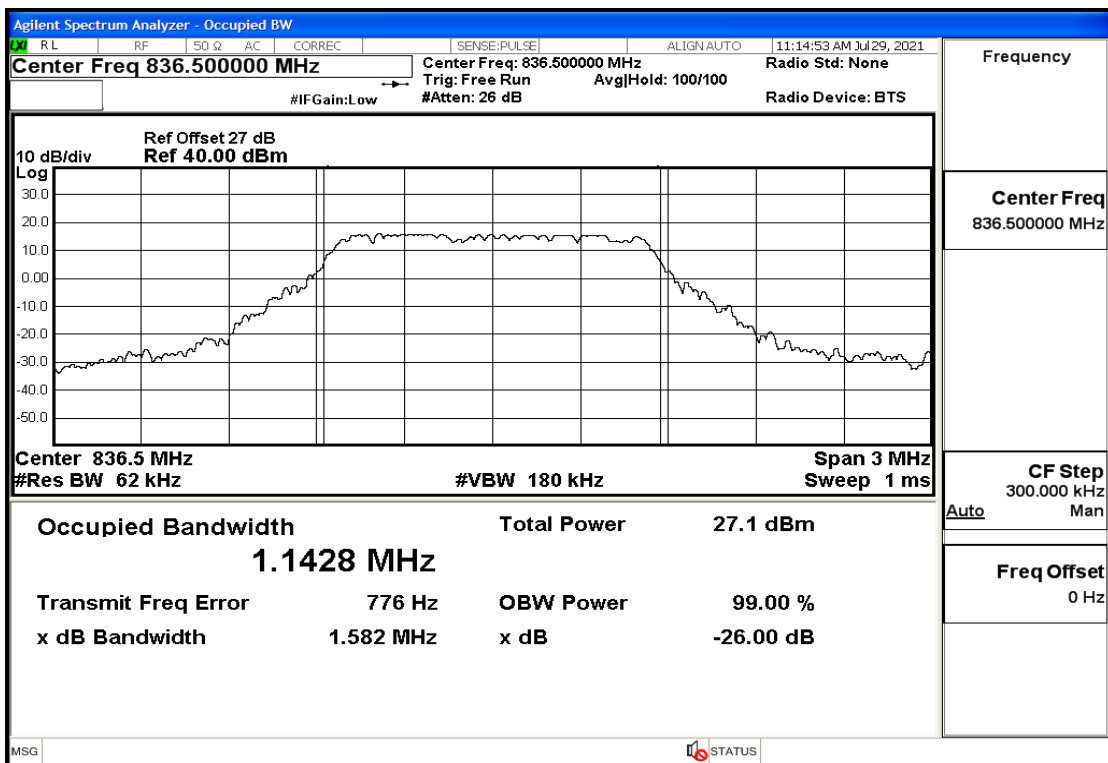
Band5-1.4-824.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



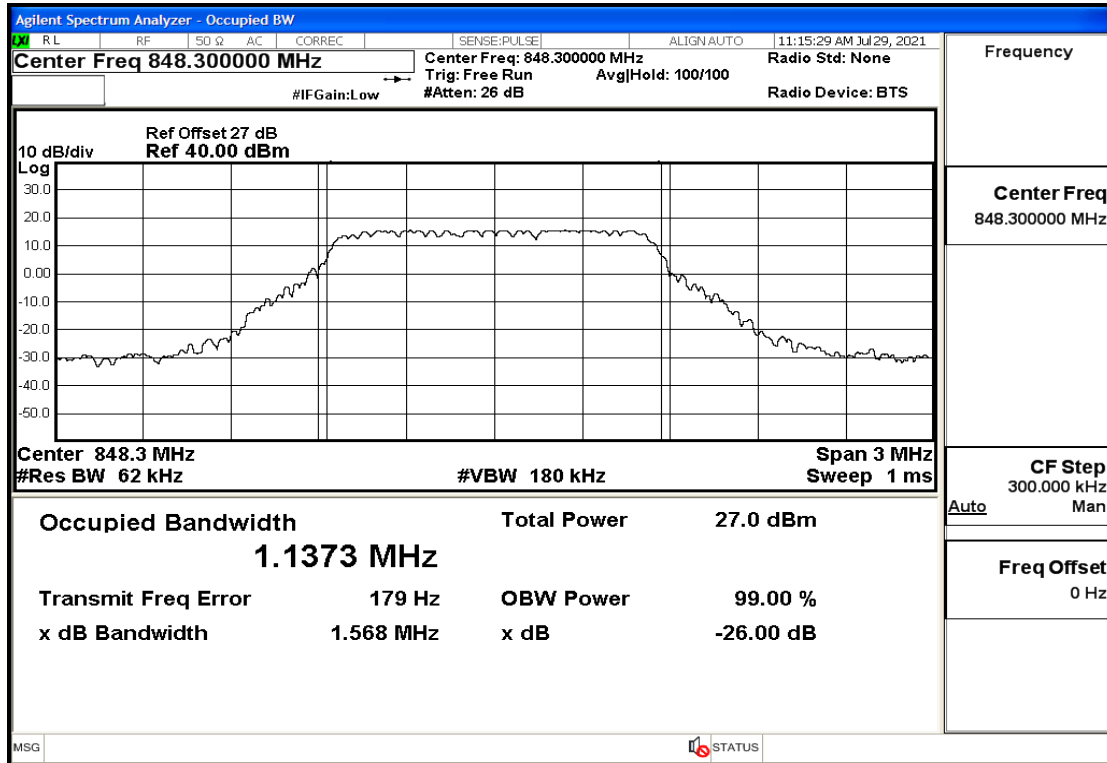
Band5-1.4-836.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



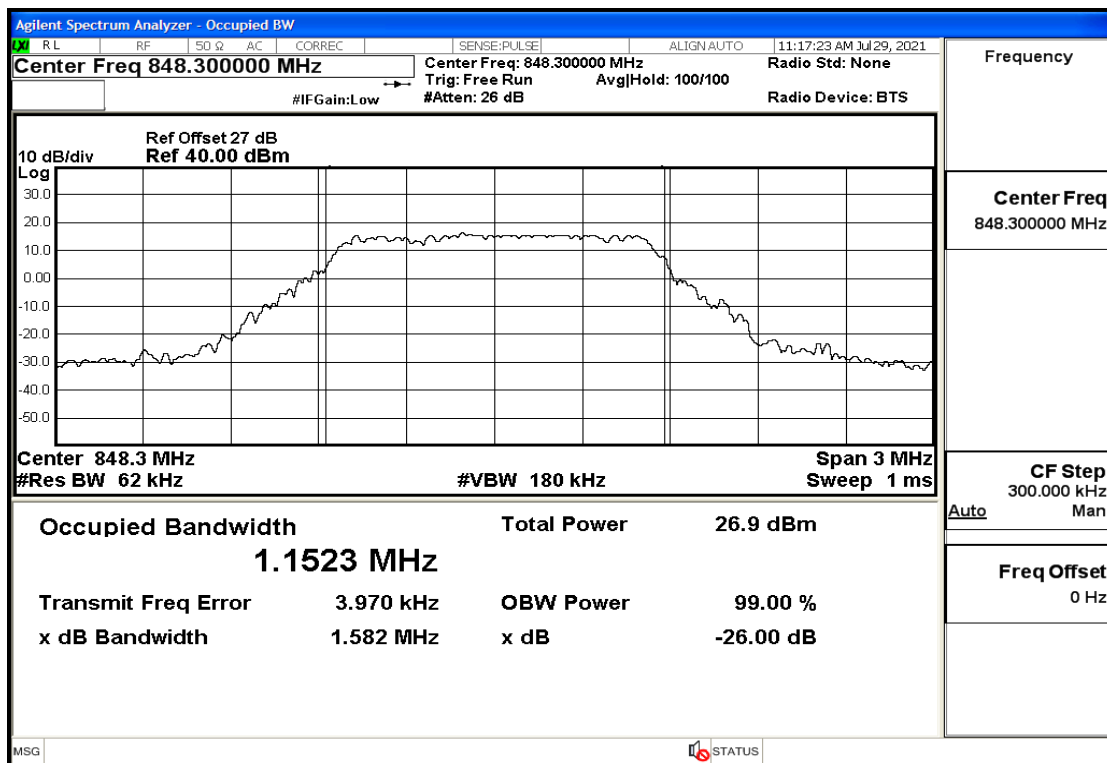
Band5-1.4-836.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



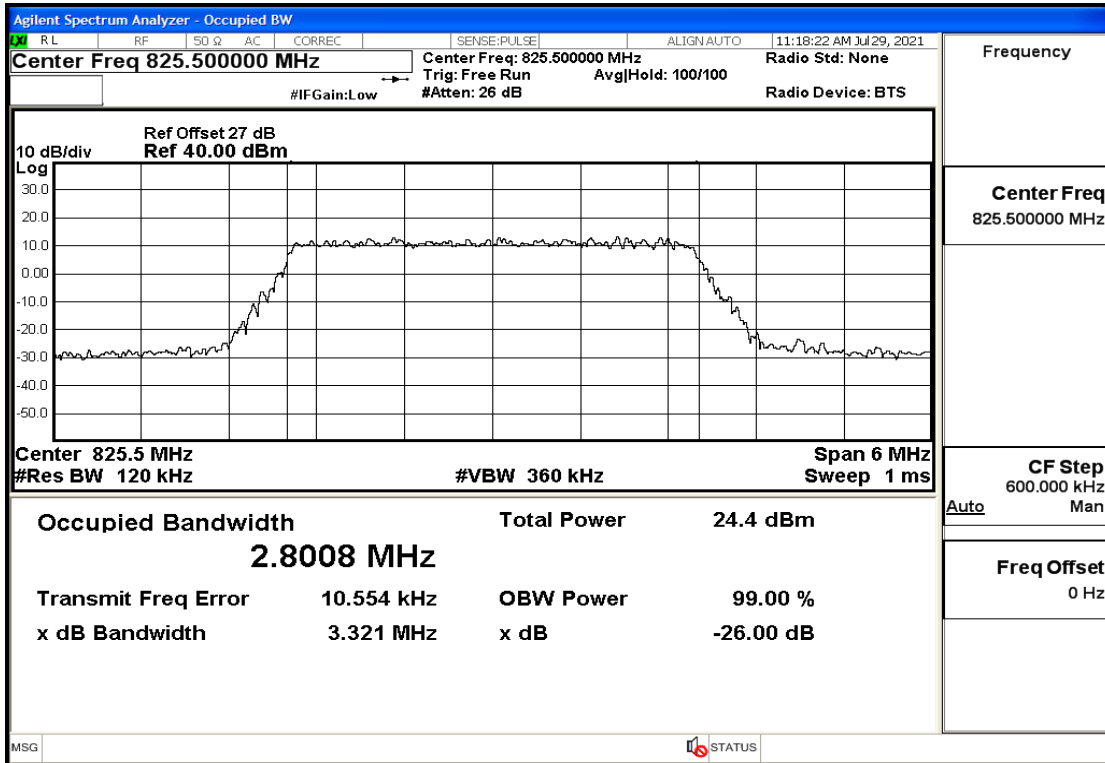
Band5-1.4-848.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



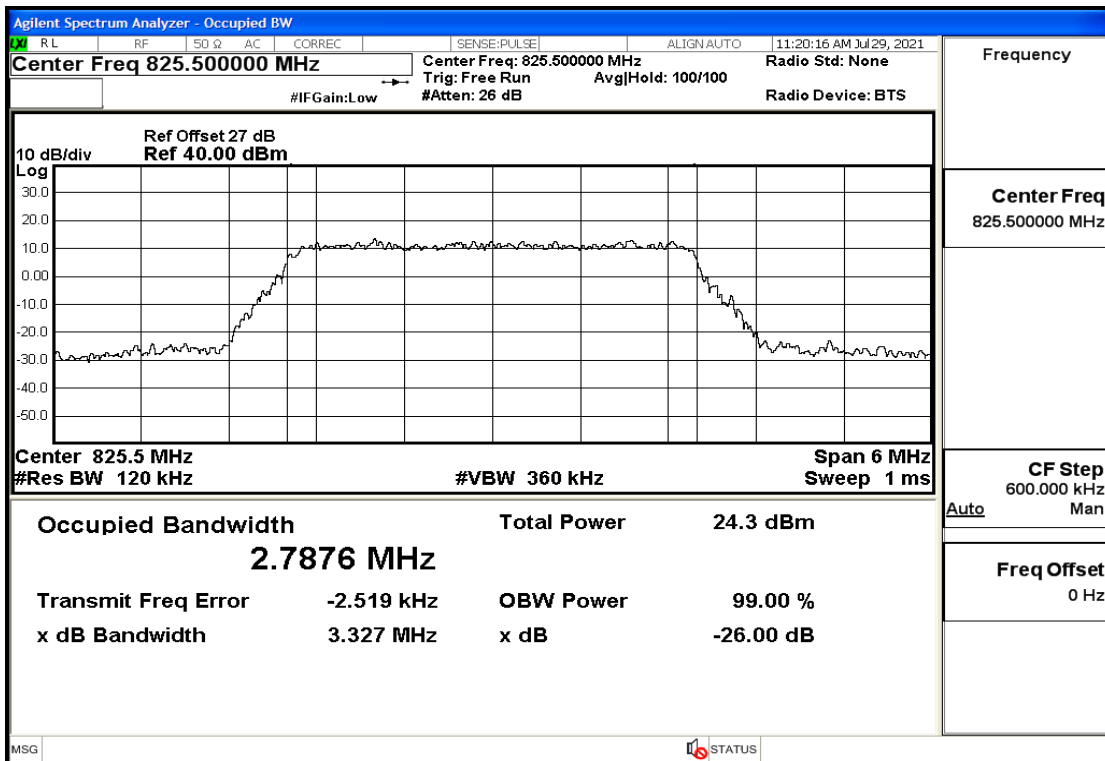
Band5-1.4-848.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



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

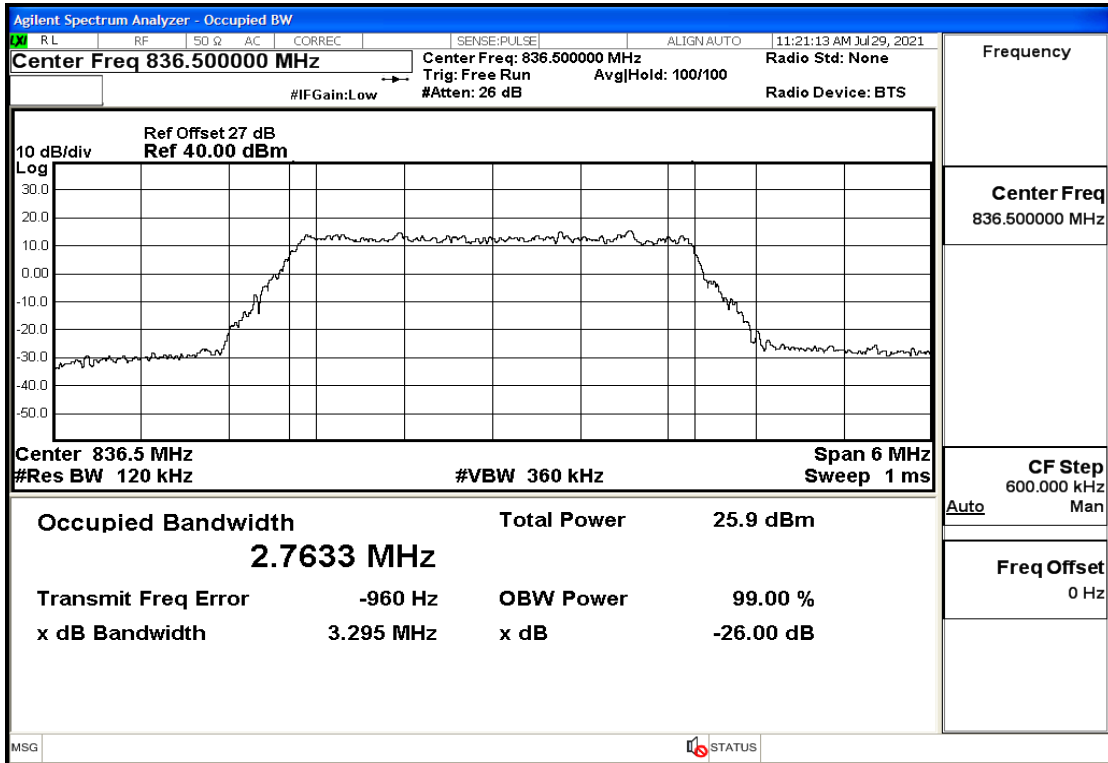


Band5-3-825.5-16QAM-15#LOW@26dB and 99PCT Bandwidth

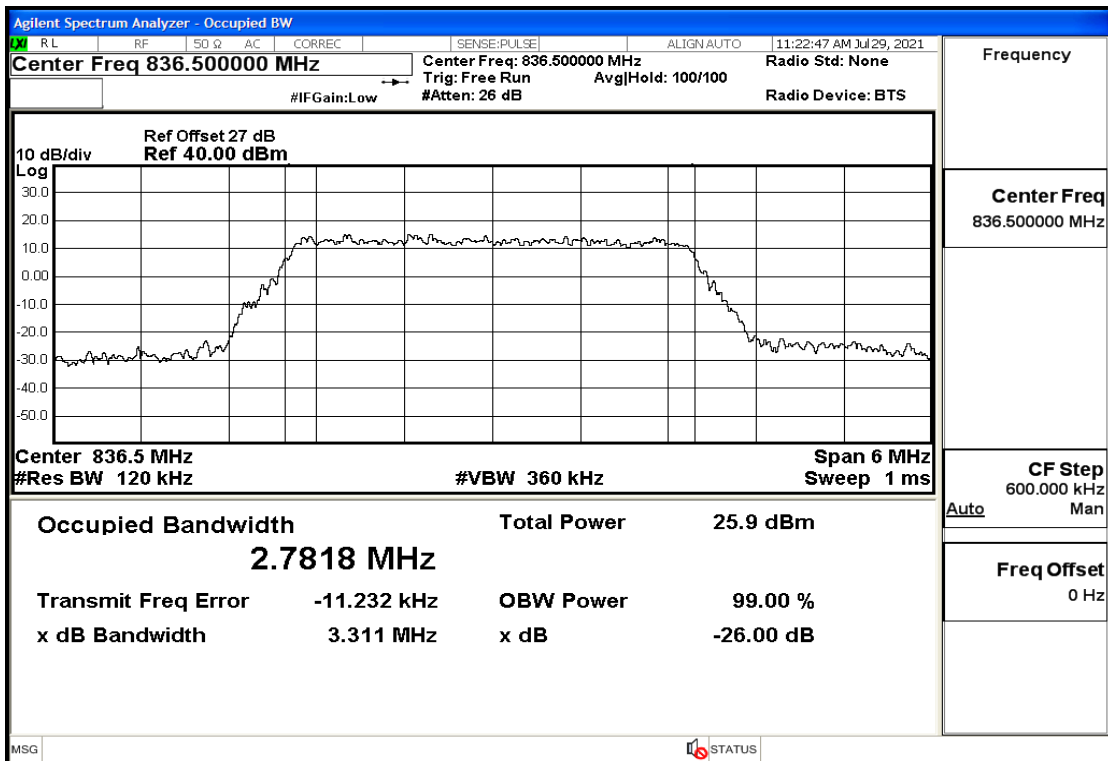




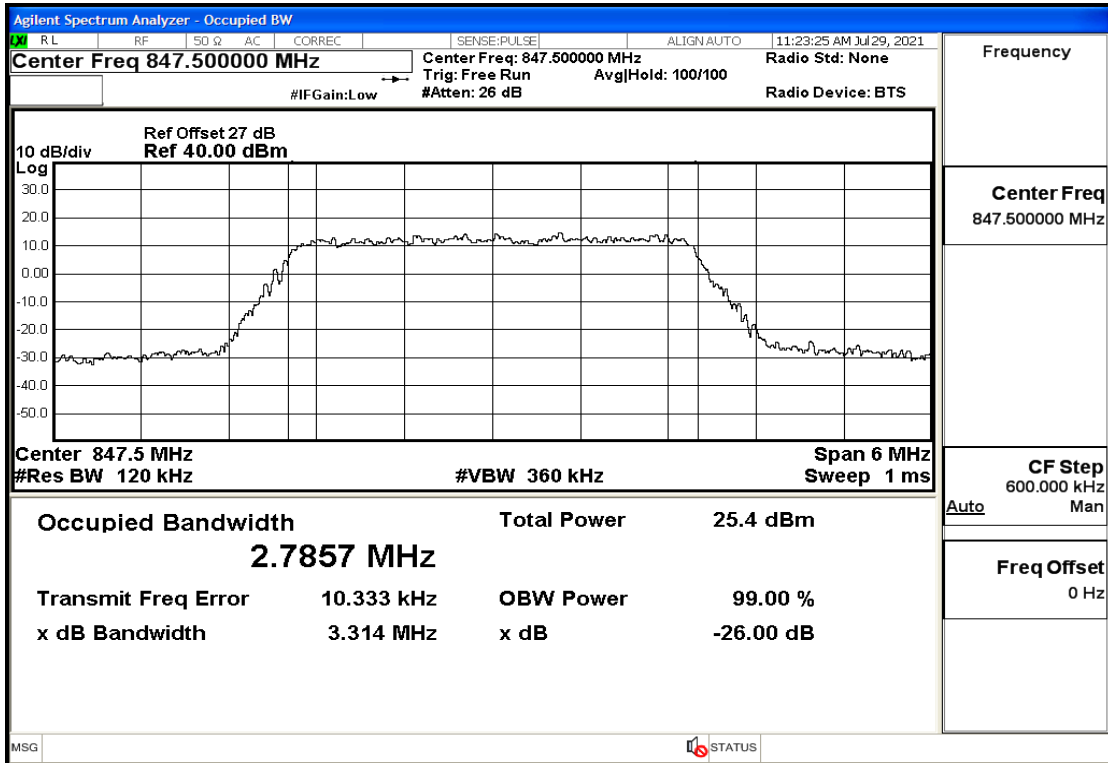
Band5-3-836.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



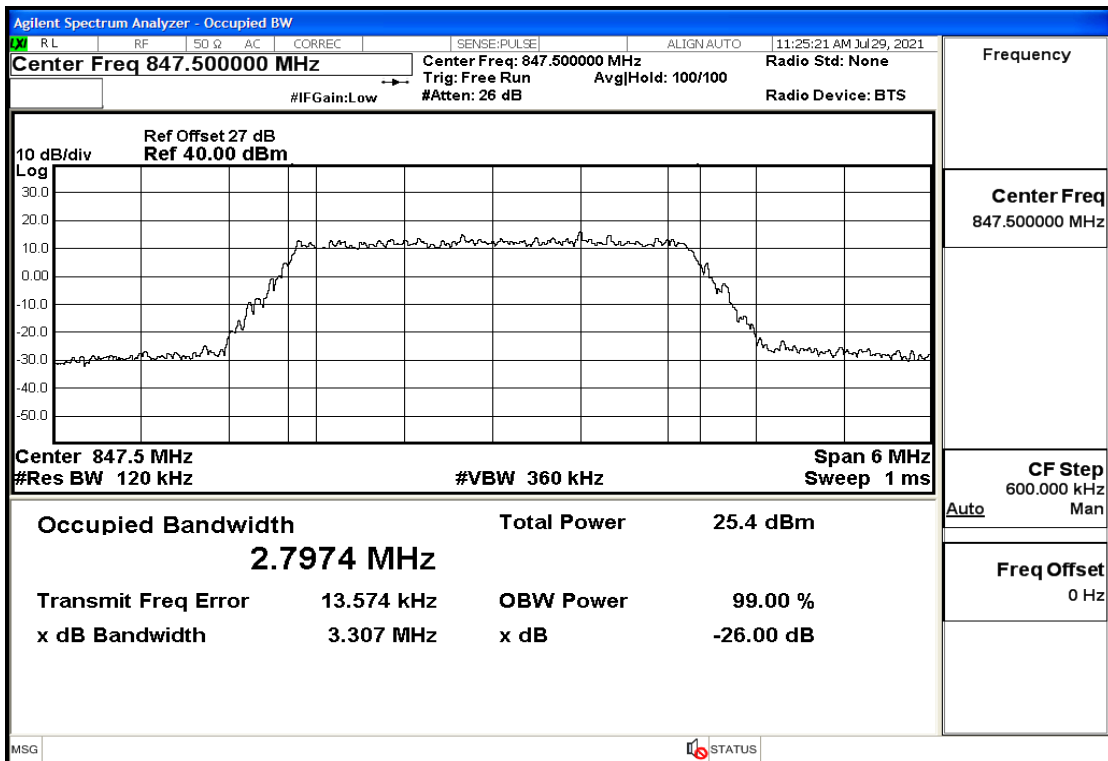
Band5-3-836.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



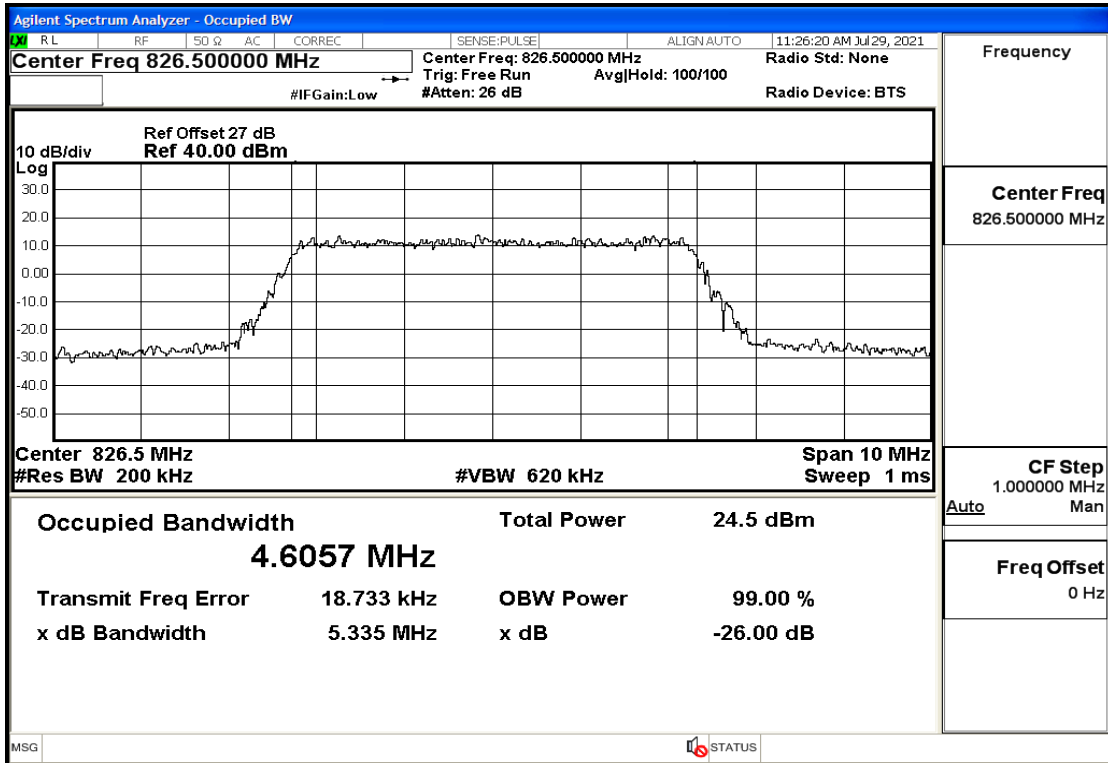
Band5-3-847.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



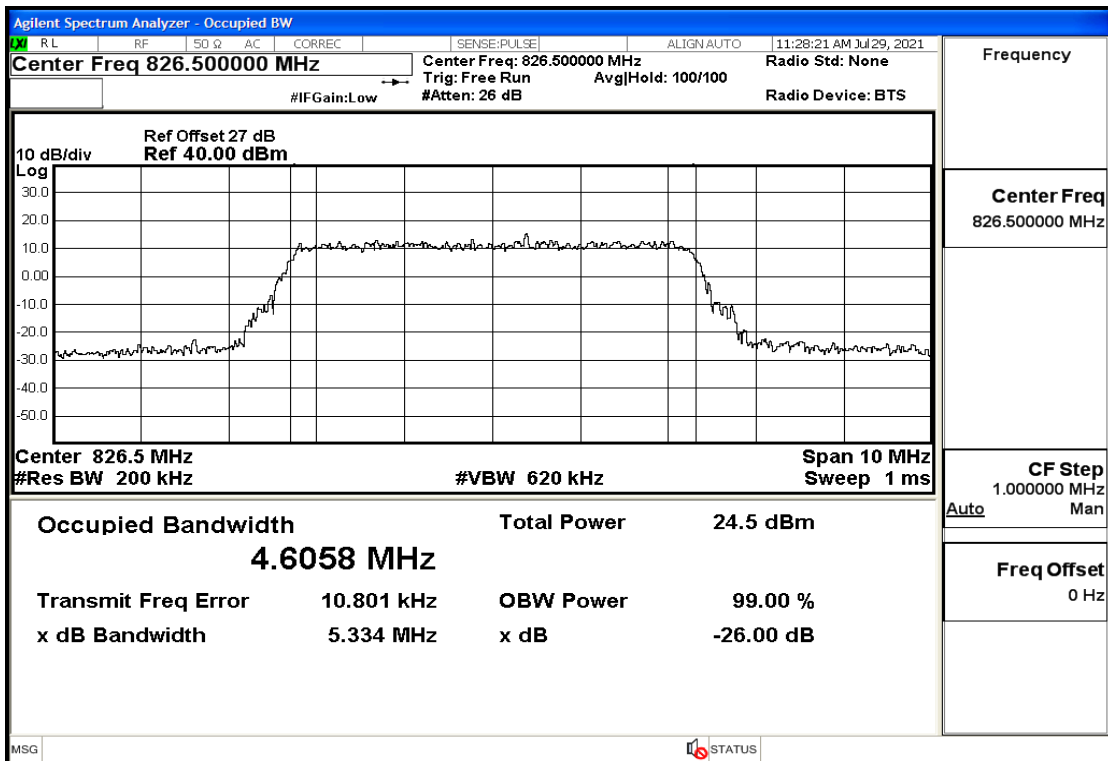
Band5-3-847.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



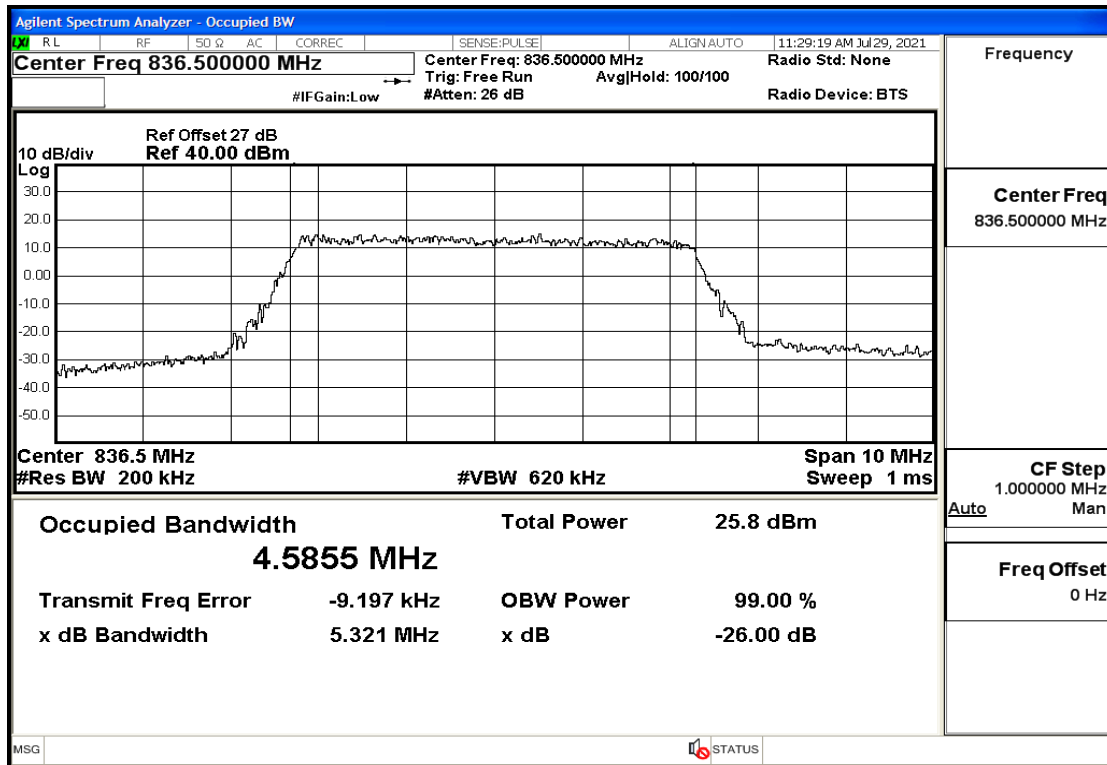
Band5-5-826.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



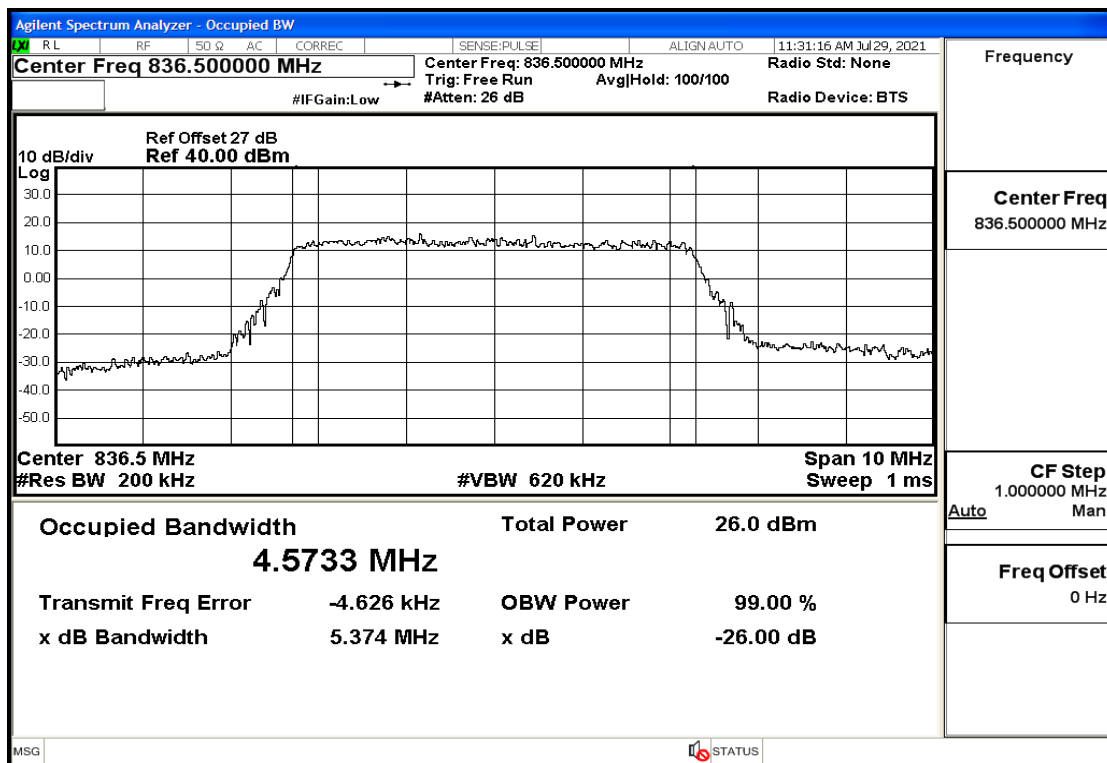
Band5-5-826.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



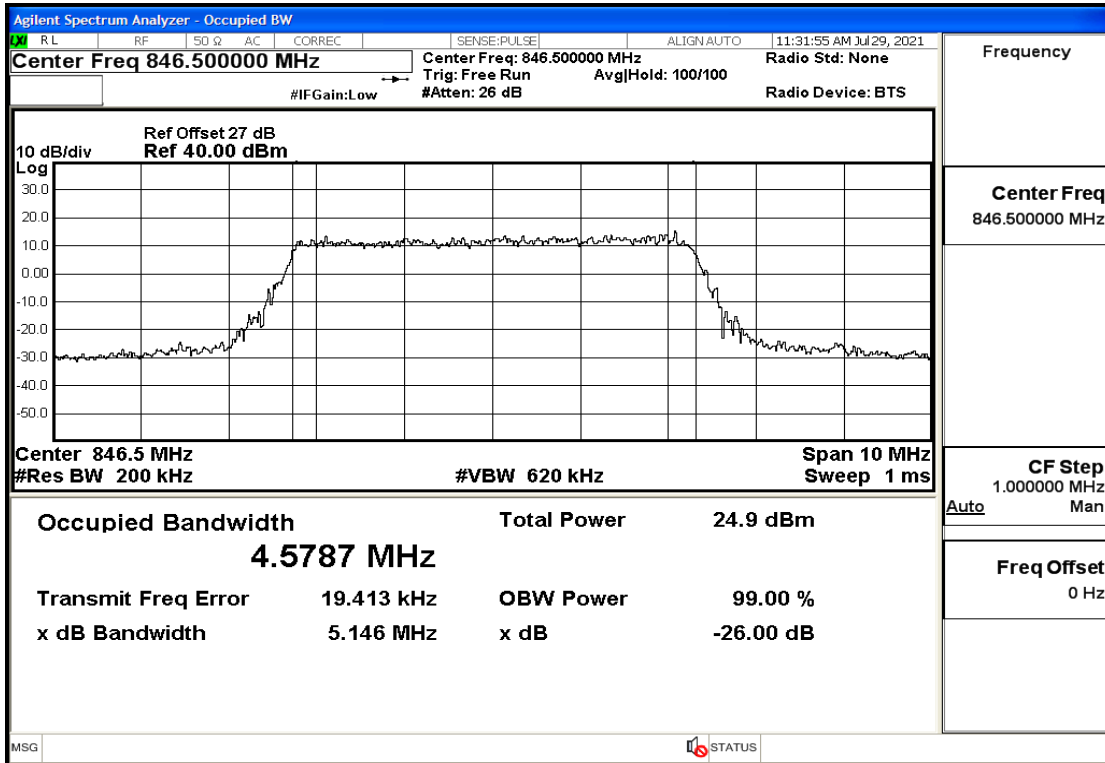
Band5-5-836.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



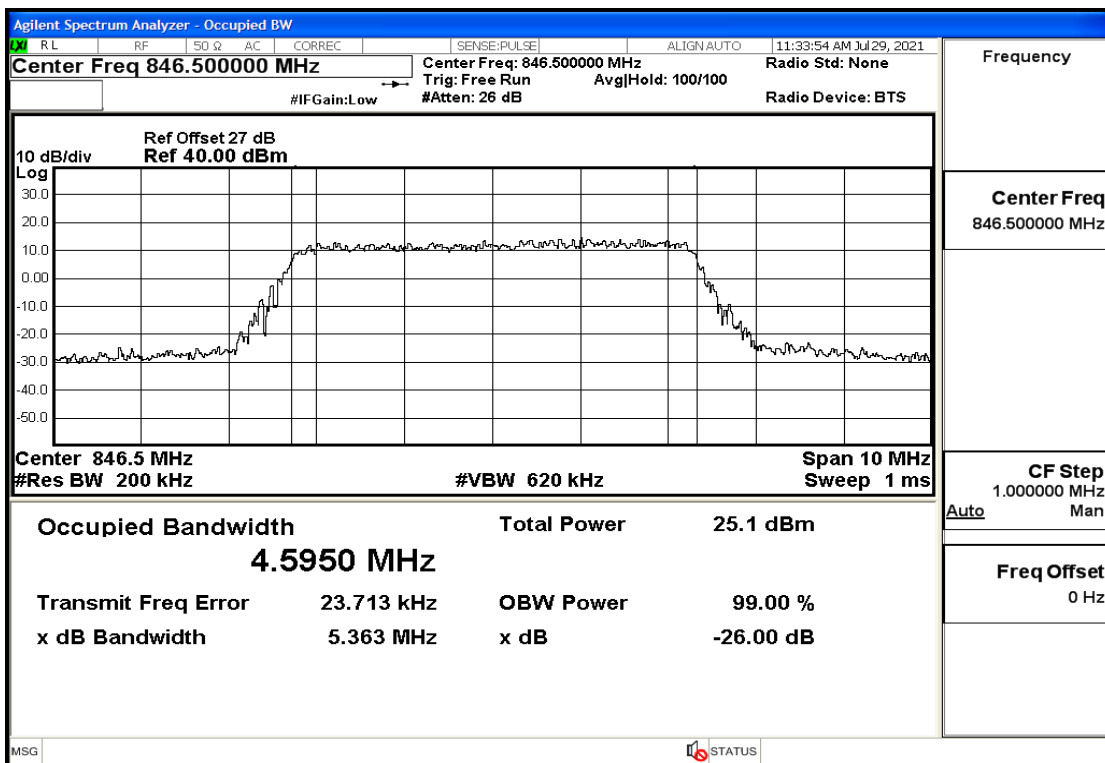
Band5-5-836.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



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