

## RF Test Data for LTE (Conducted Measurement)

**Product Name: Mobile phone**

**Trade Mark: PCD**

**Test Model: P60**

**Sample ID: TZ210702434-1#**

**FCC ID: 2ALJJP60**

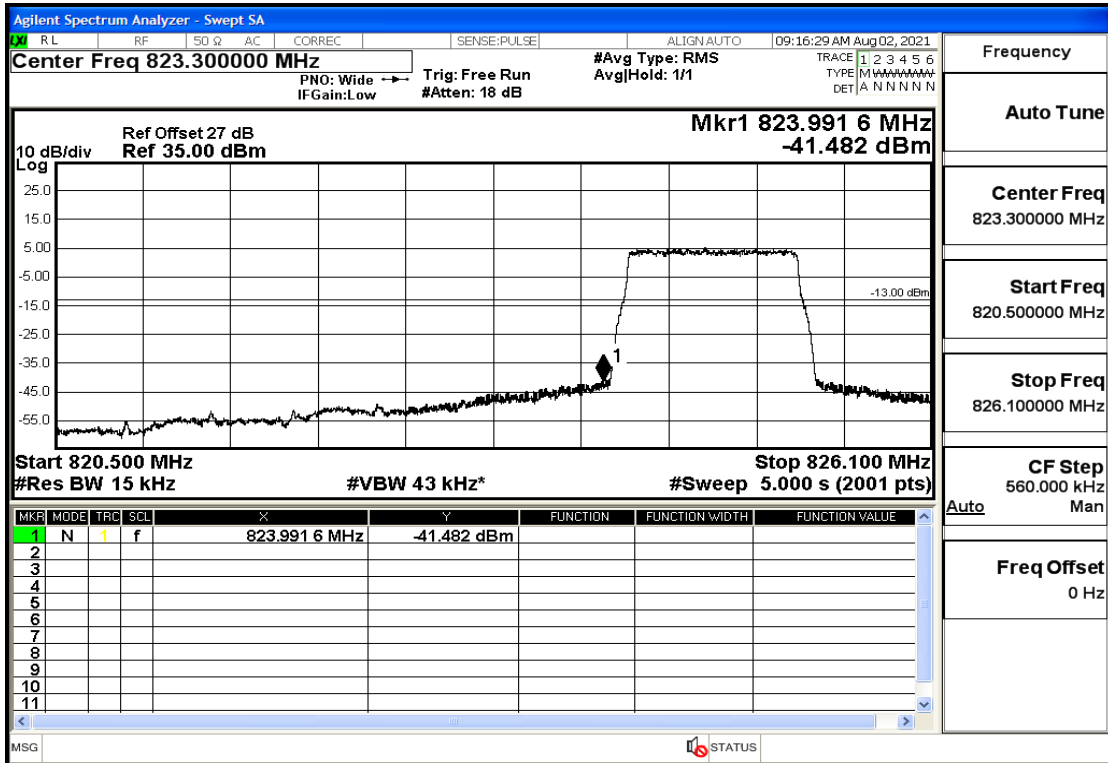
### Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
Remark:	For LTE BAND 5

## 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	10	829	QPSK	50	LOW	Pass
Band5	10	829	QPSK	1	LOW	Pass
Band5	10	829	16QAM	50	LOW	Pass
Band5	10	829	16QAM	1	LOW	Pass
Band5	10	844	QPSK	50	LOW	Pass
Band5	10	844	QPSK	1	HIGH	Pass
Band5	10	844	16QAM	50	LOW	Pass
Band5	10	844	16QAM	1	HIGH	Pass

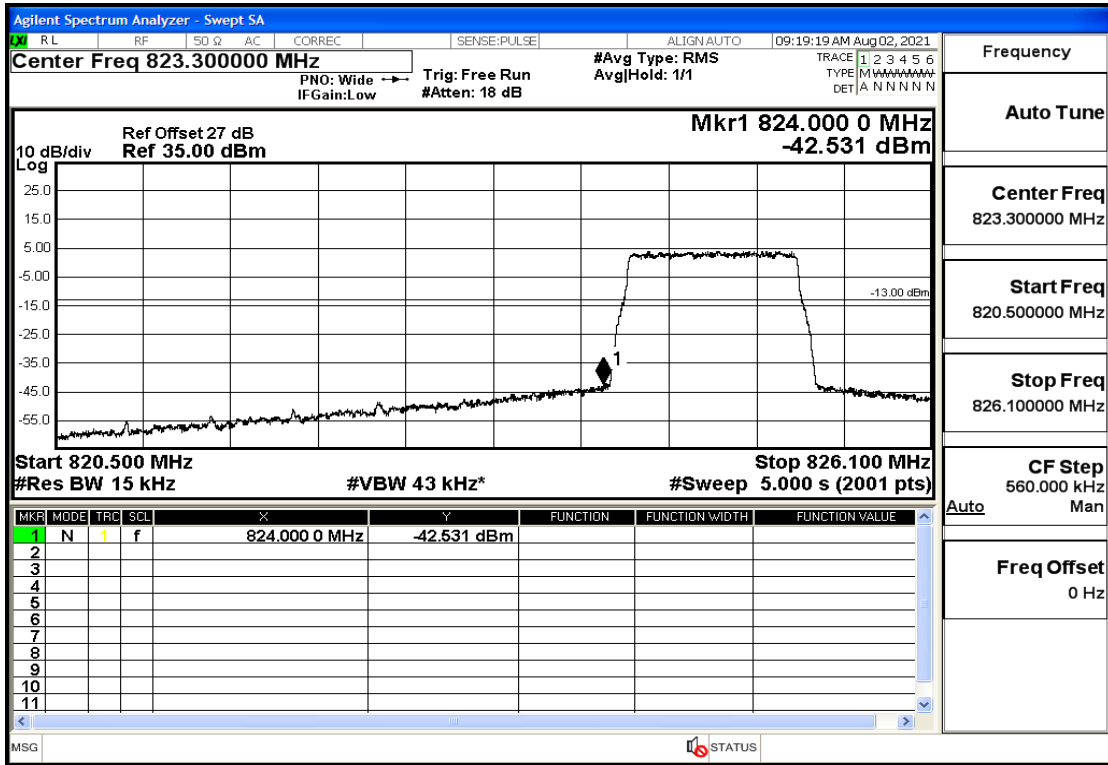
Band5-1.4-824.7-QPSK-6#LOW@Pass



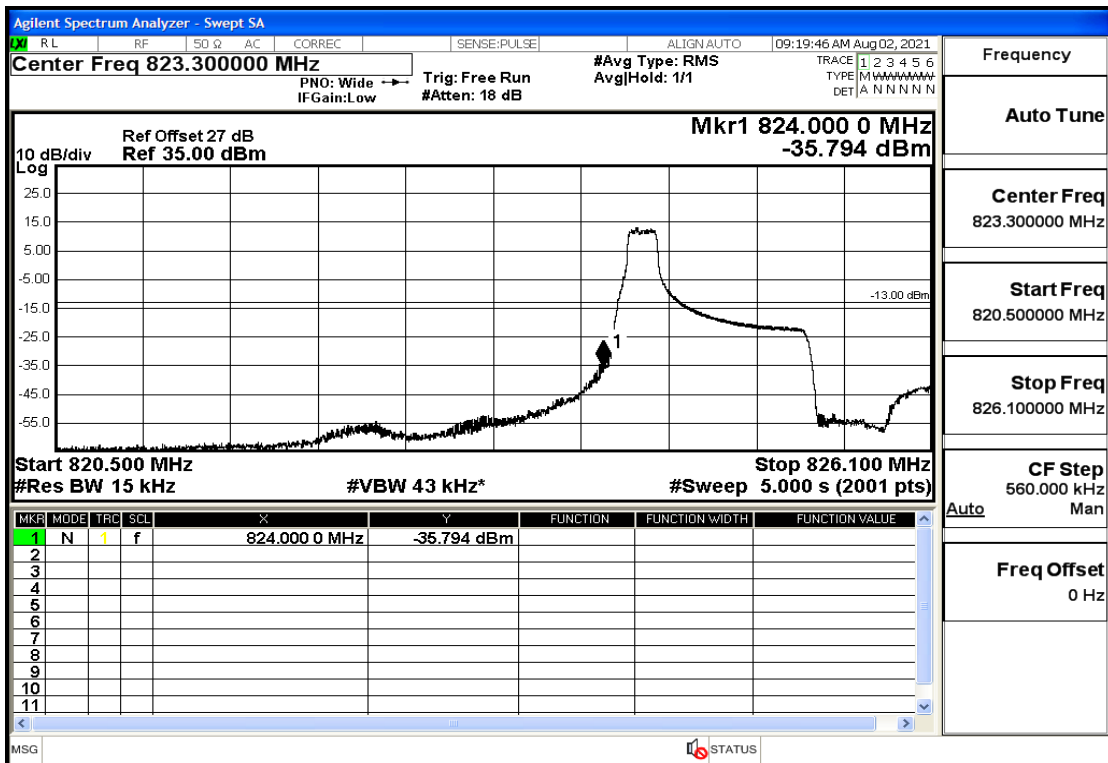
Band5-1.4-824.7-QPSK-1#LOW@Pass



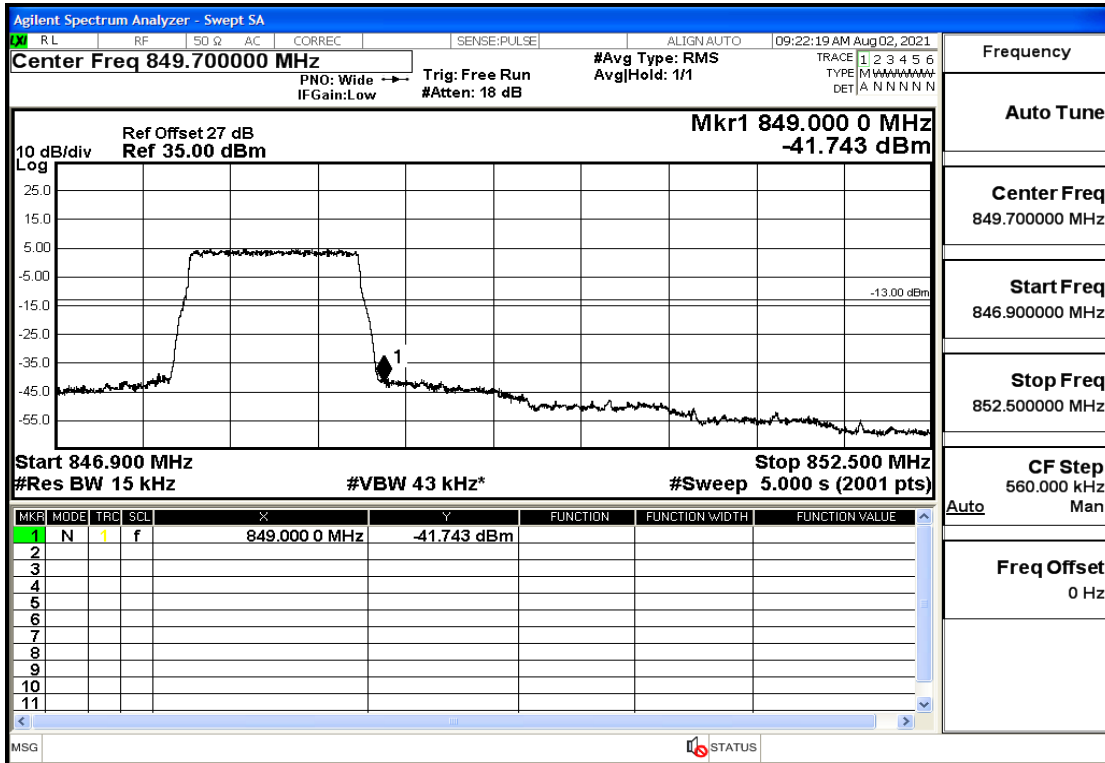
Band5-1.4-824.7-16QAM-6#LOW@Pass



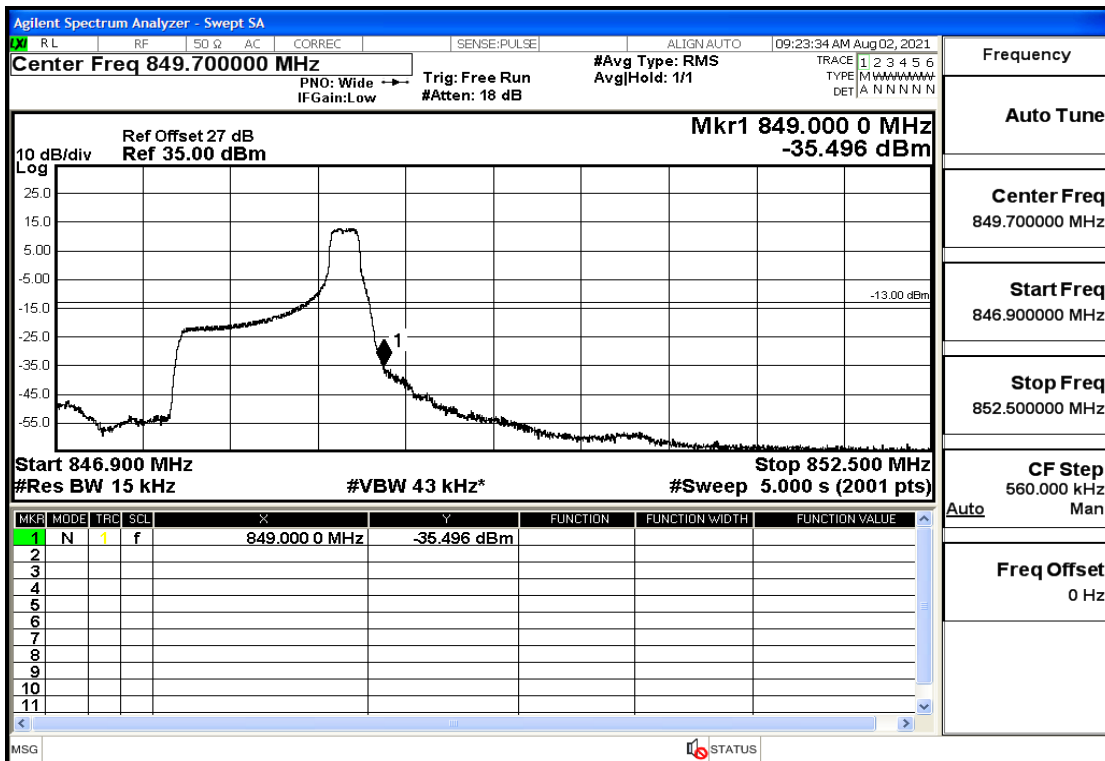
Band5-1.4-824.7-16QAM-1#LOW@Pass



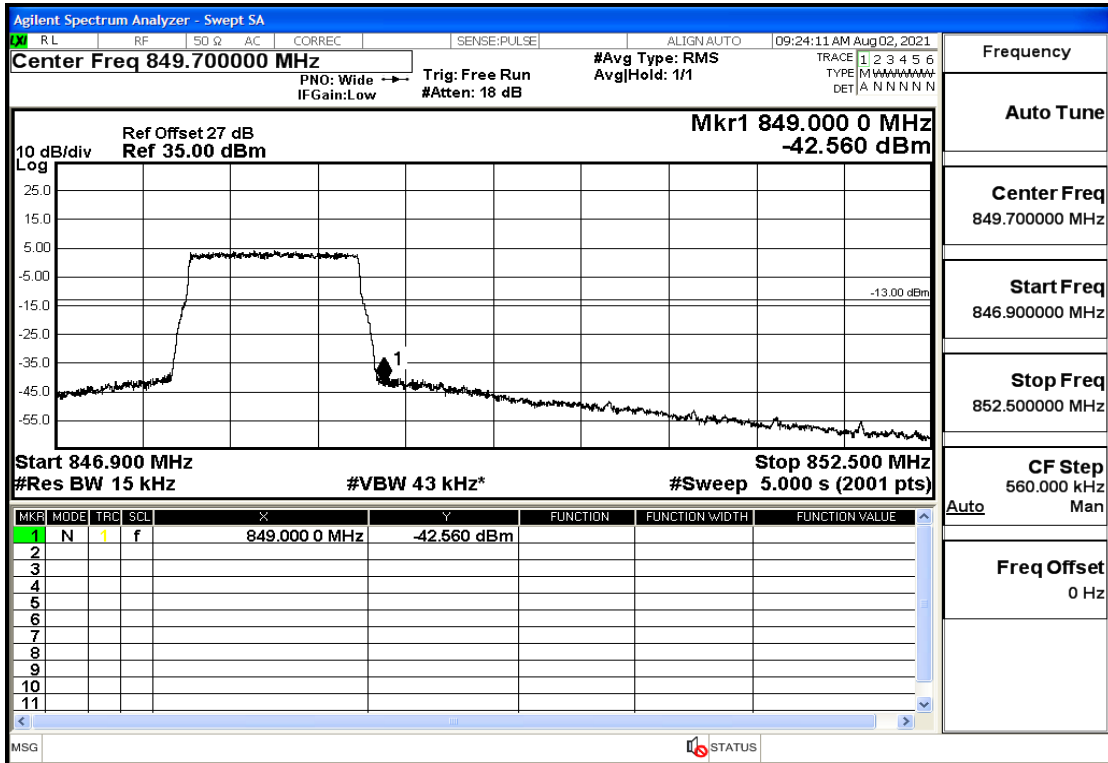
Band5-1.4-848.3-QPSK-6#LOW@Pass



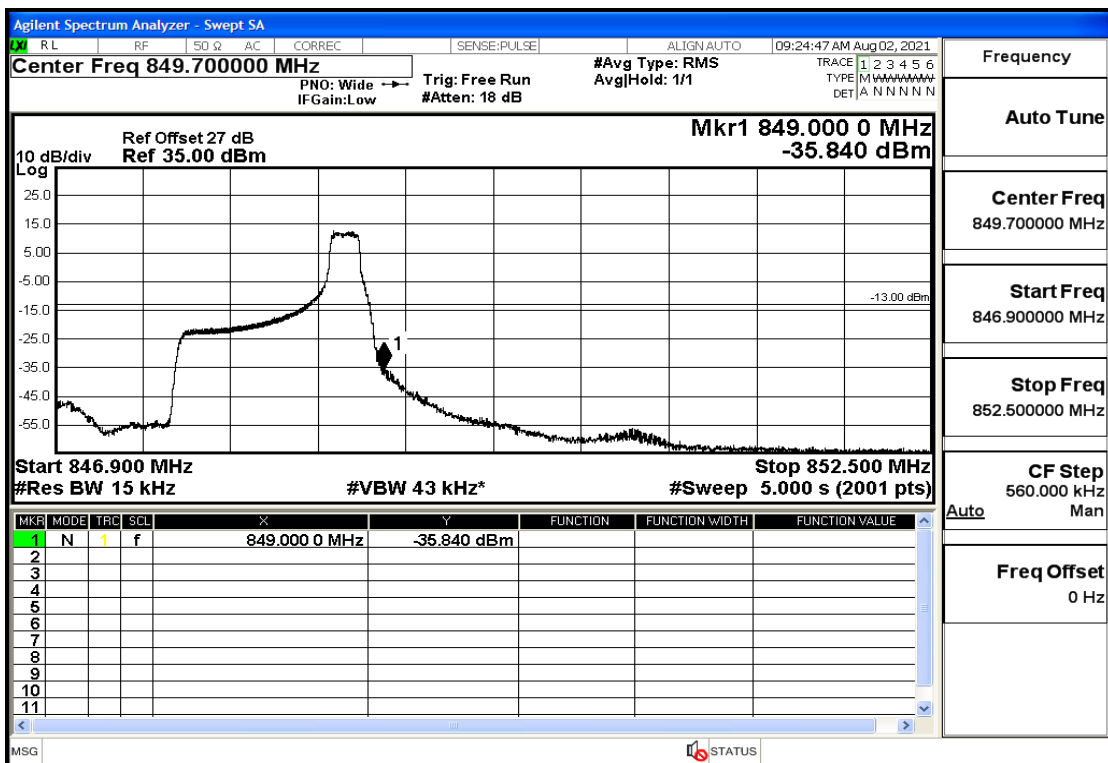
Band5-1.4-848.3-QPSK-1#HIGH@Pass



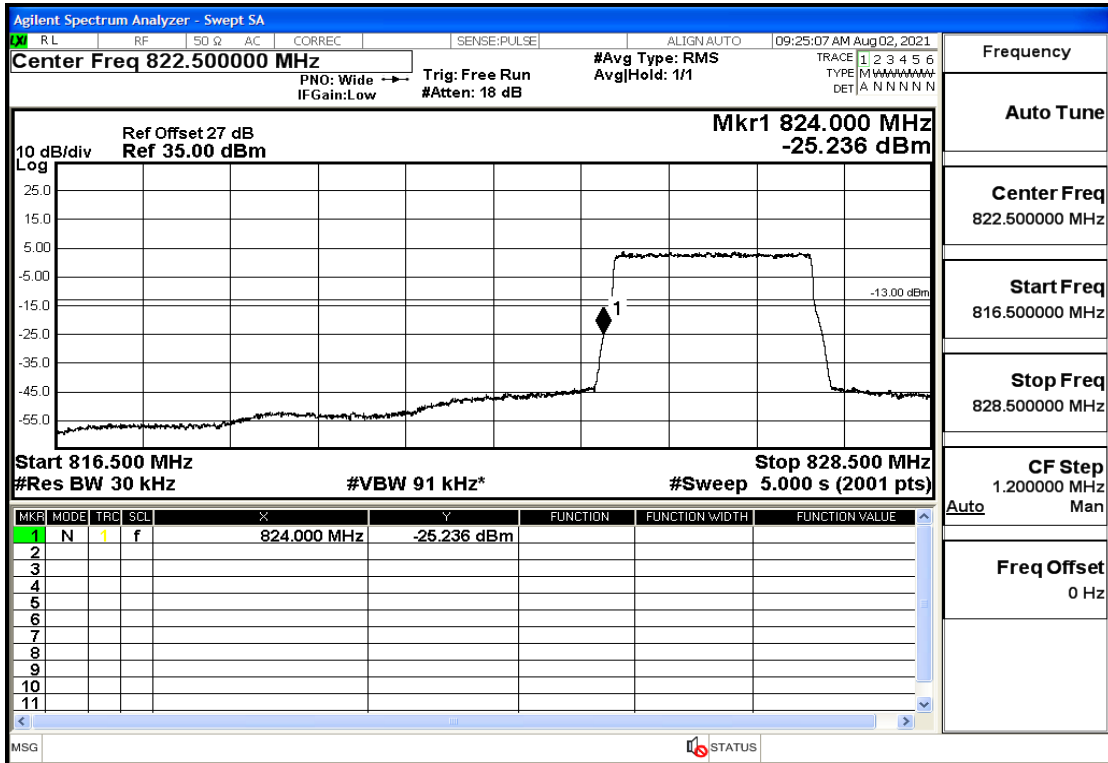
Band5-1.4-848.3-16QAM-6#LOW@Pass



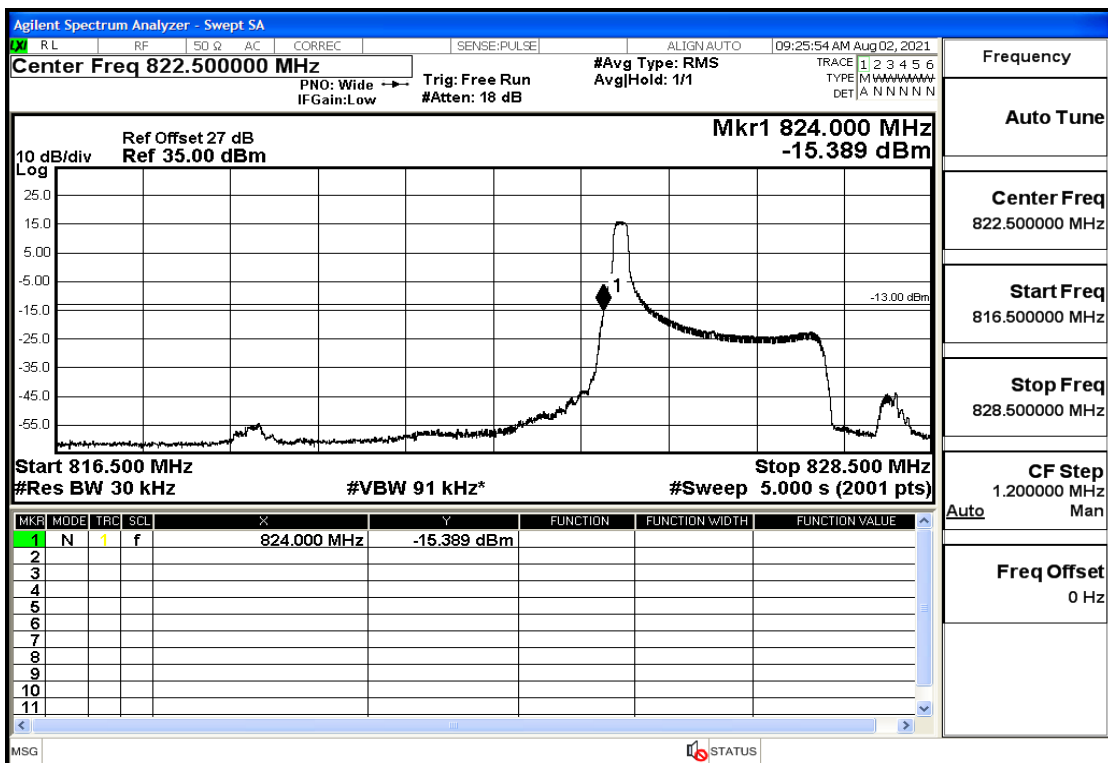
Band5-1.4-848.3-16QAM-1#HIGH@Pass



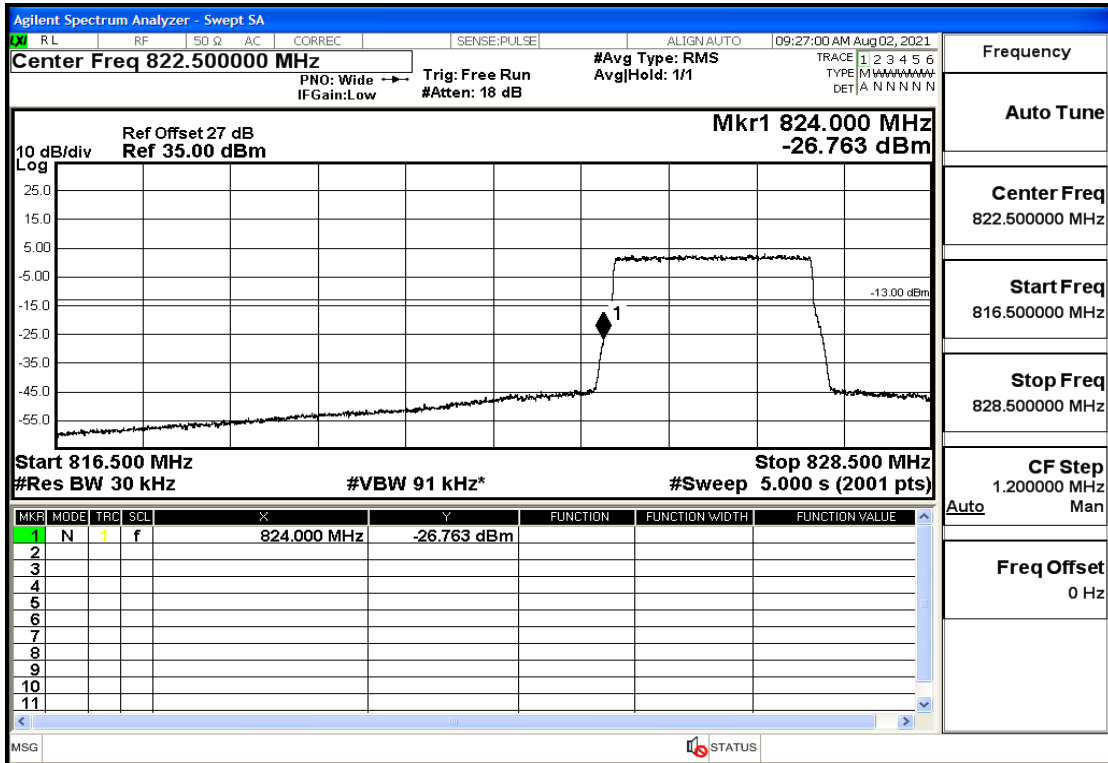
Band5-3-825.5-QPSK-15#LOW@Pass



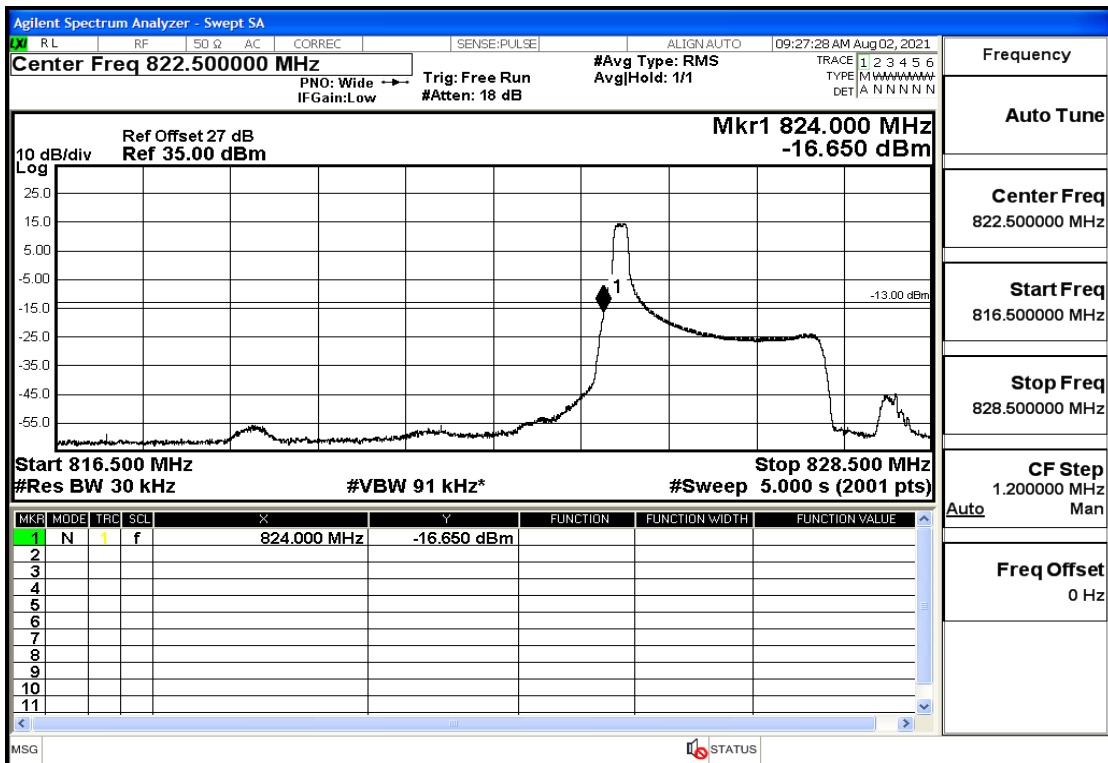
Band5-3-825.5-QPSK-1#LOW@Pass



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

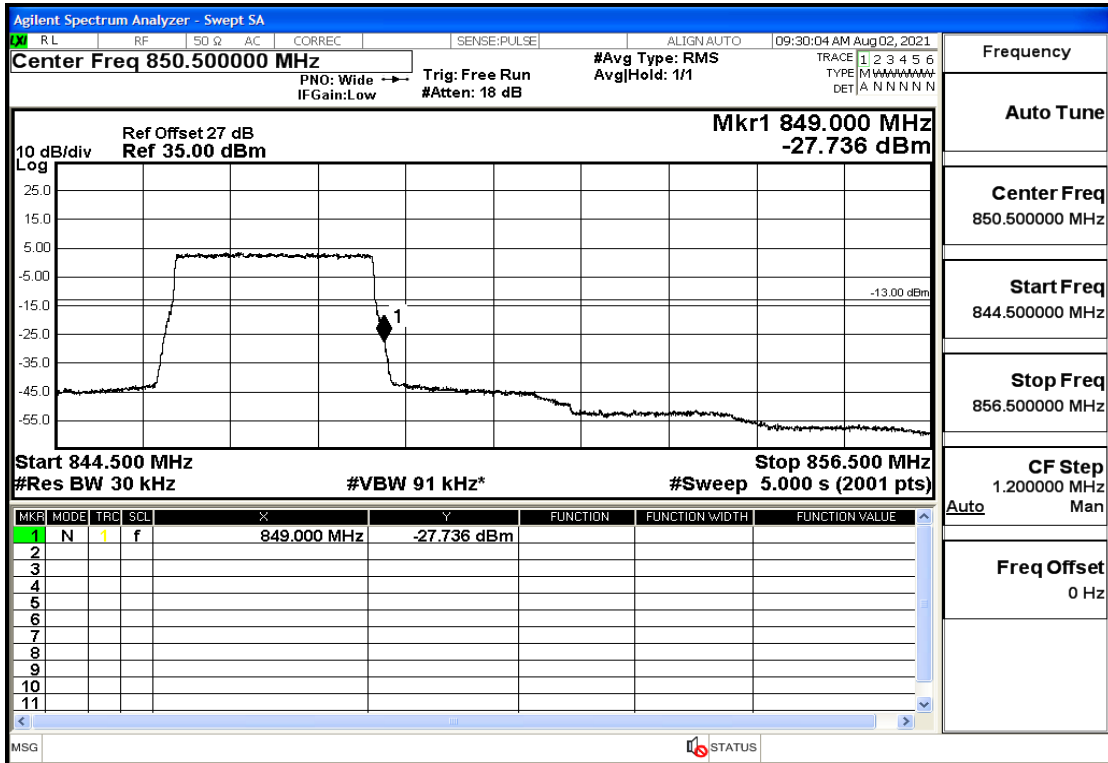


Band5-3-825.5-16QAM-1#LOW@Pass

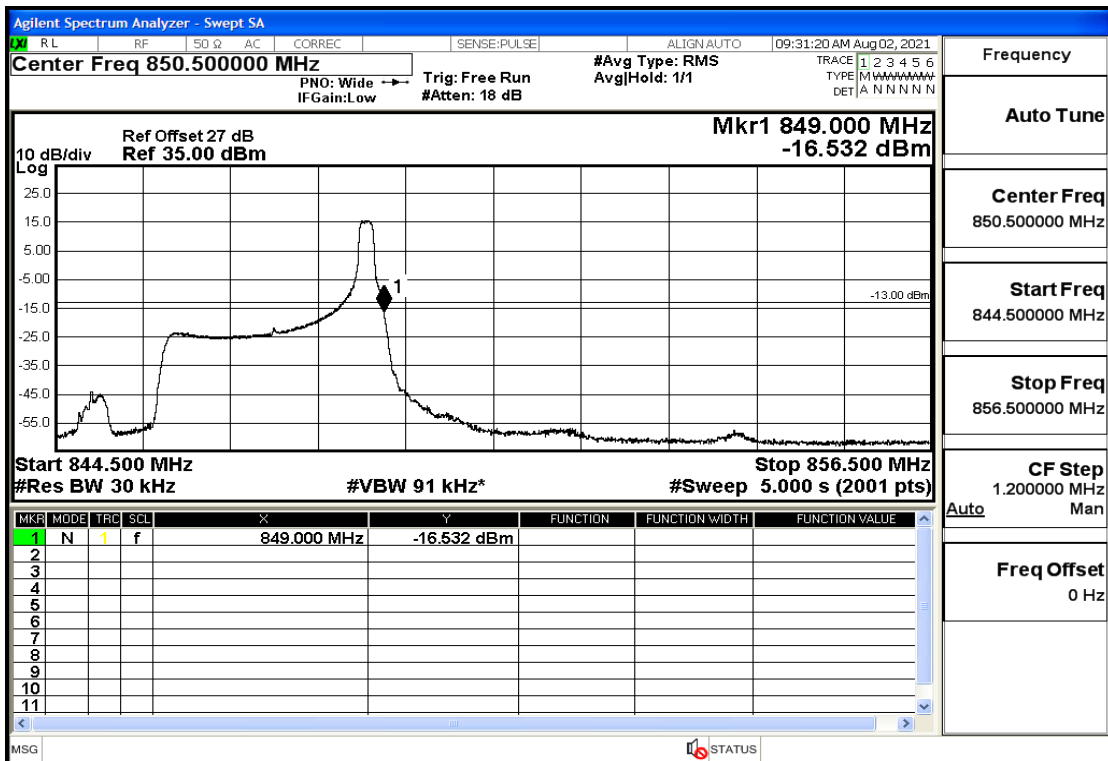




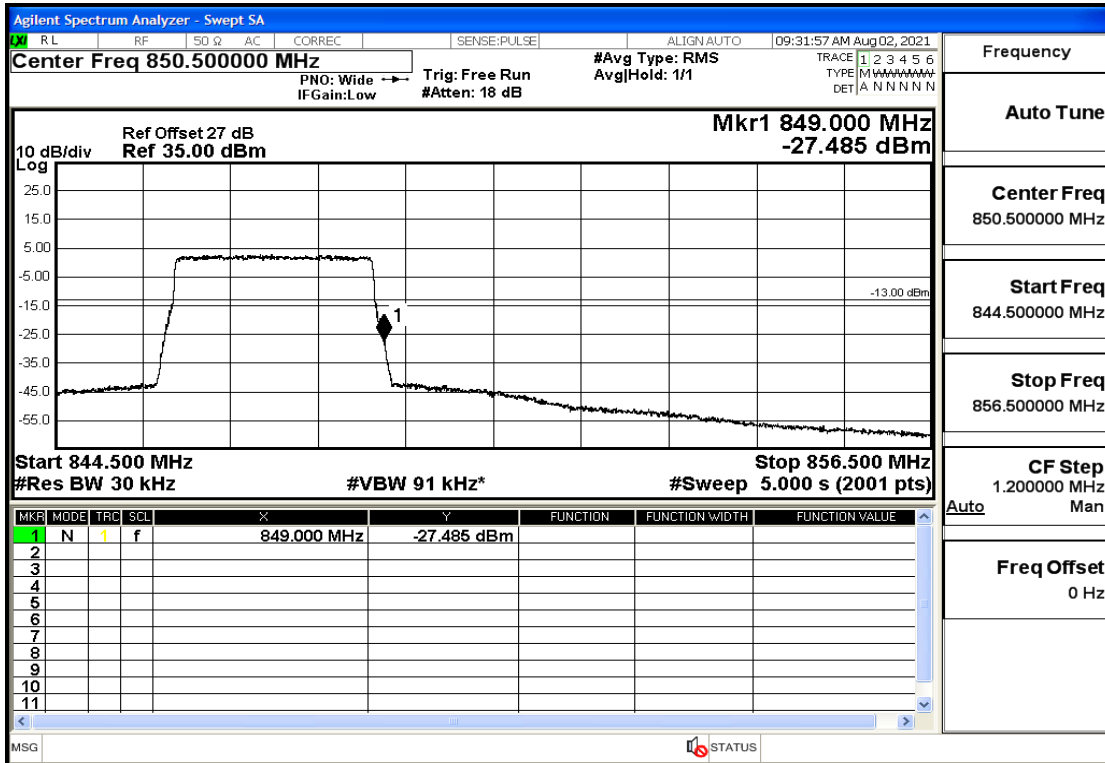
Band5-3-847.5-QPSK-15#LOW@Pass



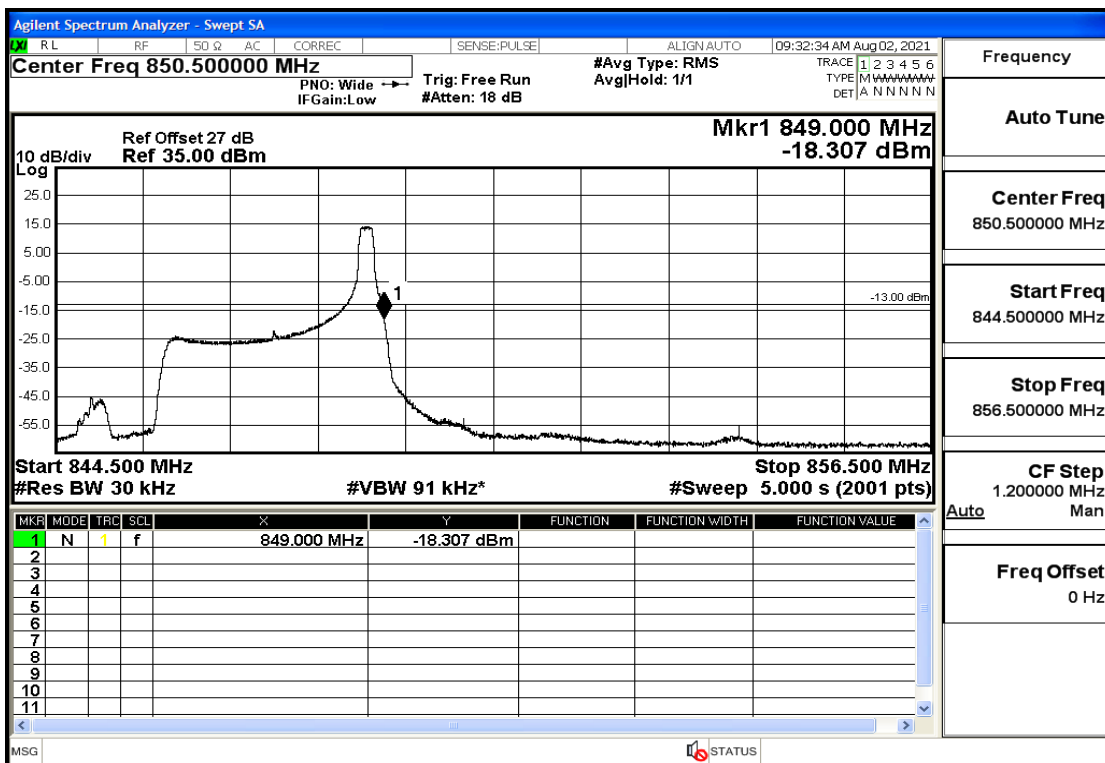
Band5-3-847.5-QPSK-1#HIGH@Pass



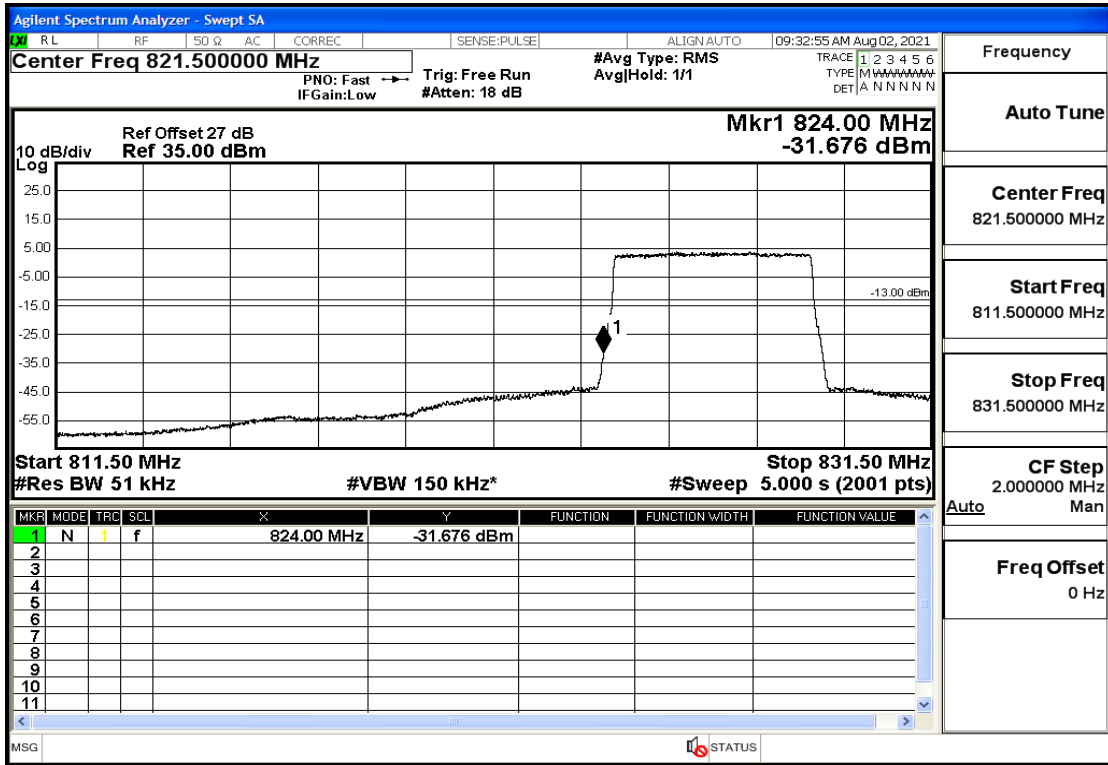
Band5-3-847.5-16QAM-15#LOW@Pass



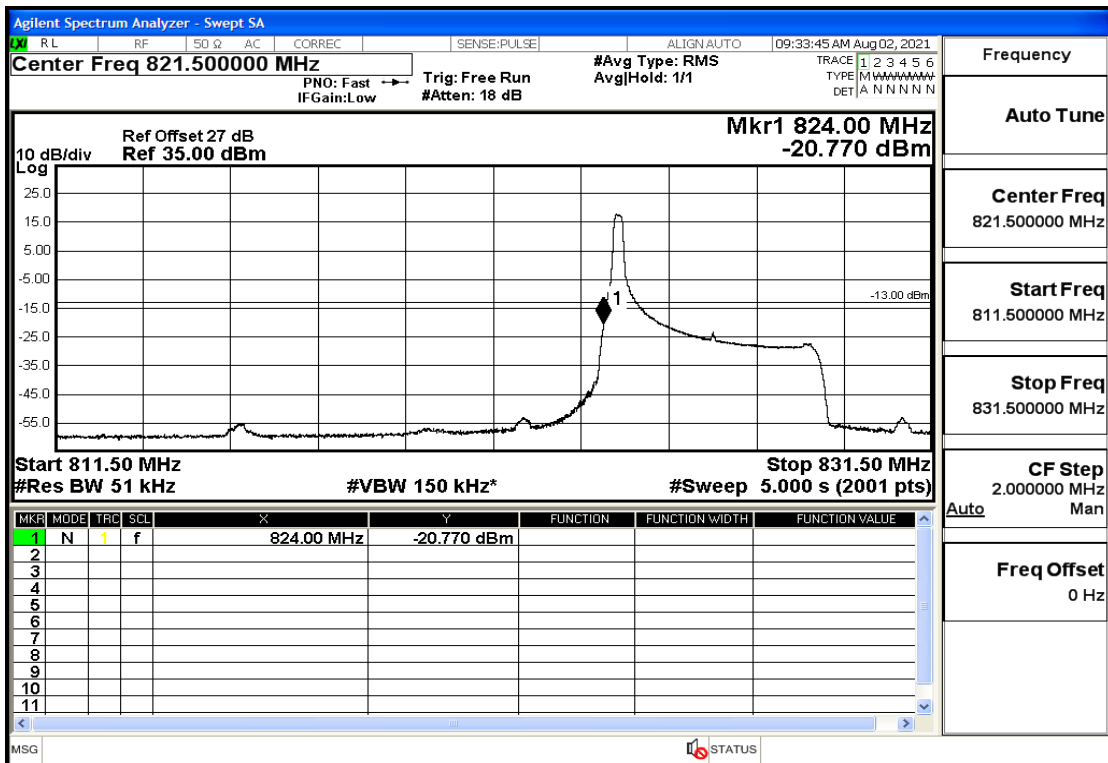
Band5-3-847.5-16QAM-1#HIGH@Pass



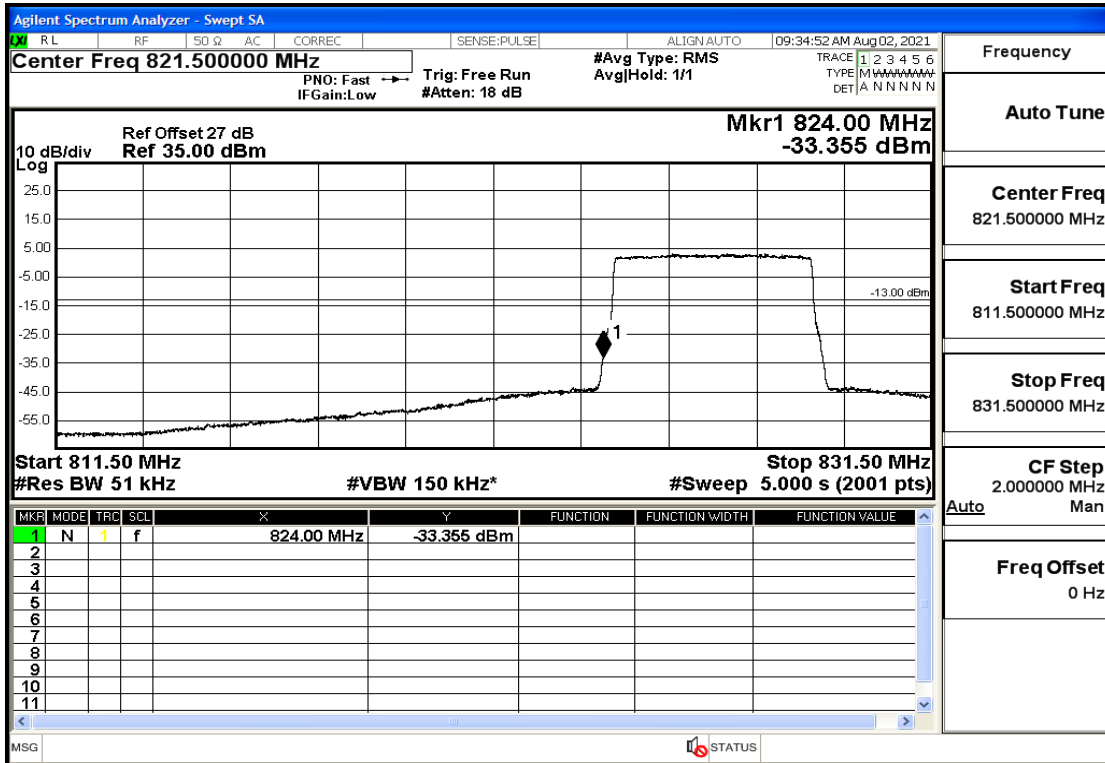
Band5-5-826.5-QPSK-25#LOW@Pass



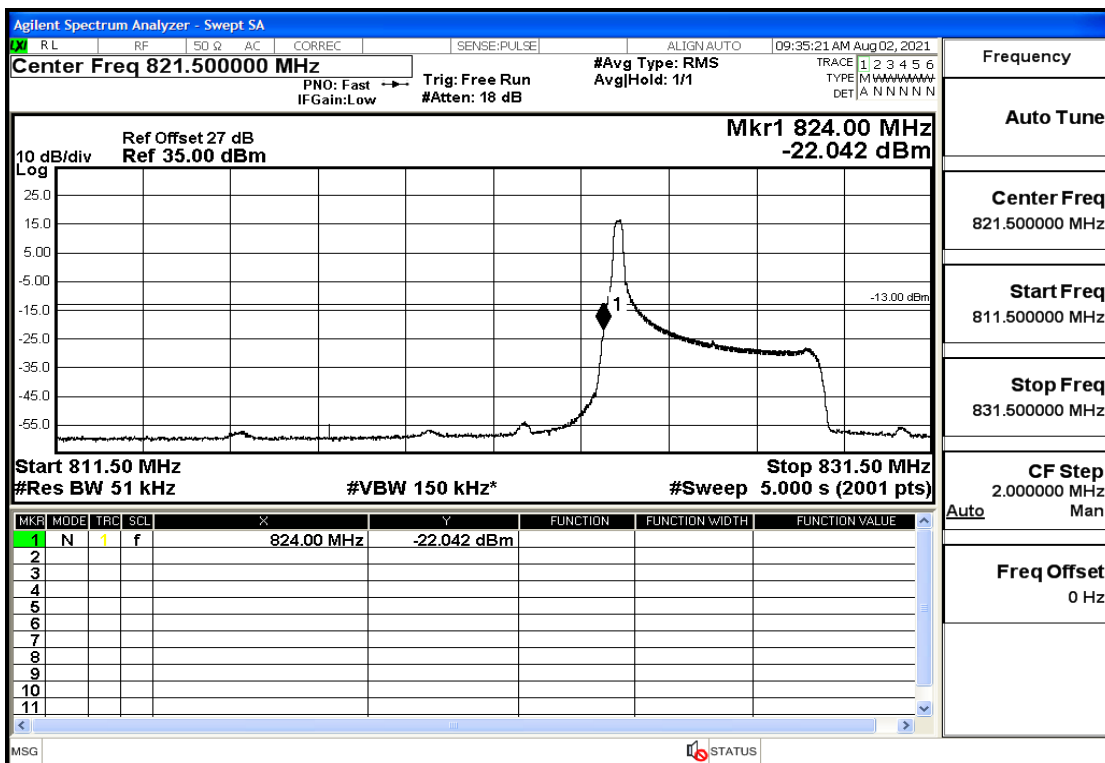
Band5-5-826.5-QPSK-1#LOW@Pass



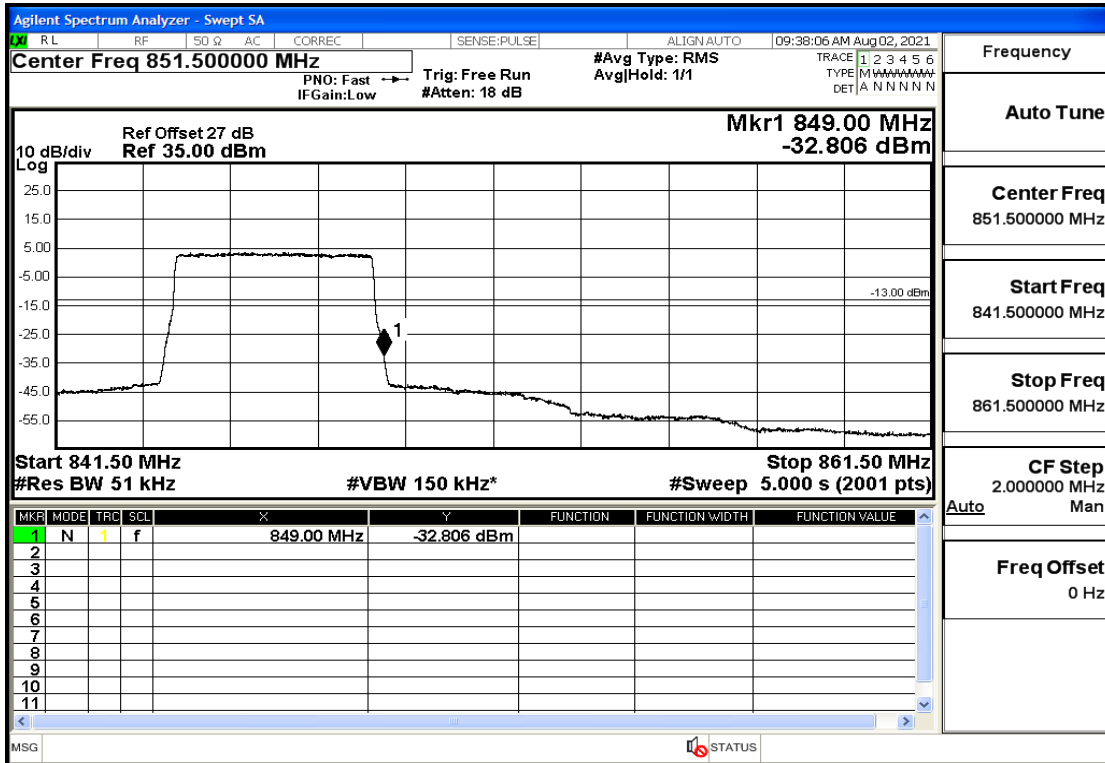
Band5-5-826.5-16QAM-25#LOW@Pass



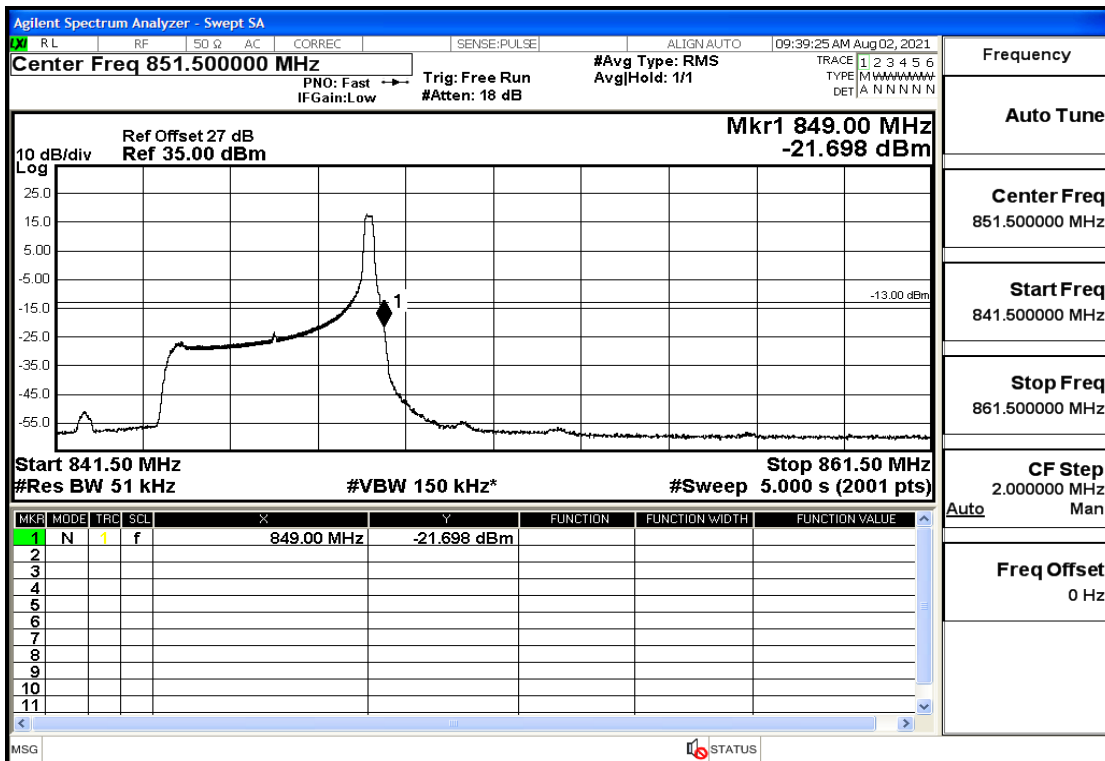
Band5-5-826.5-16QAM-1#LOW@Pass



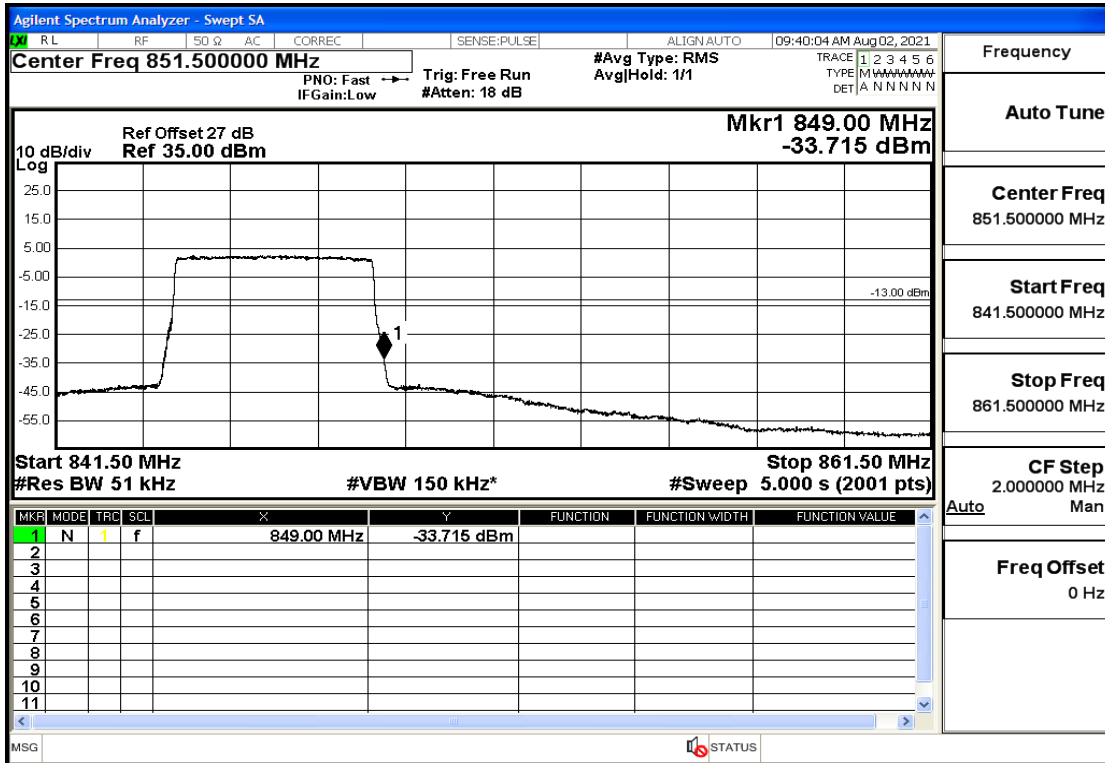
Band5-5-846.5-QPSK-25#LOW@Pass



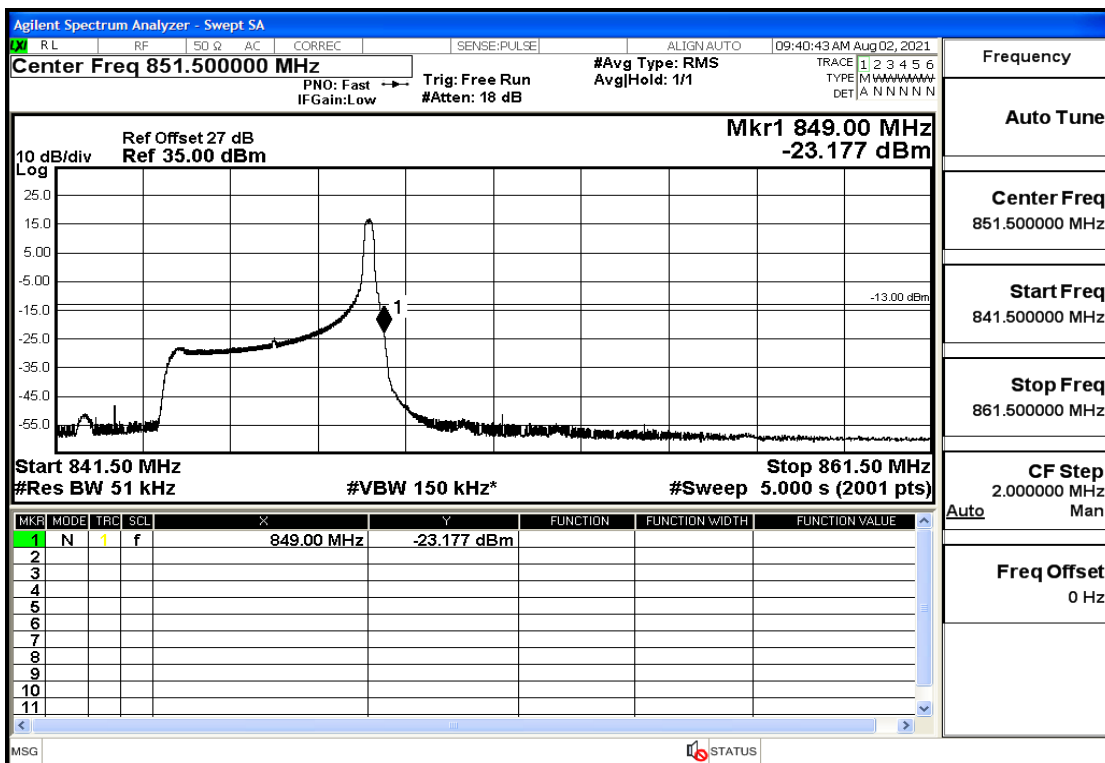
Band5-5-846.5-QPSK-1#HIGH@Pass



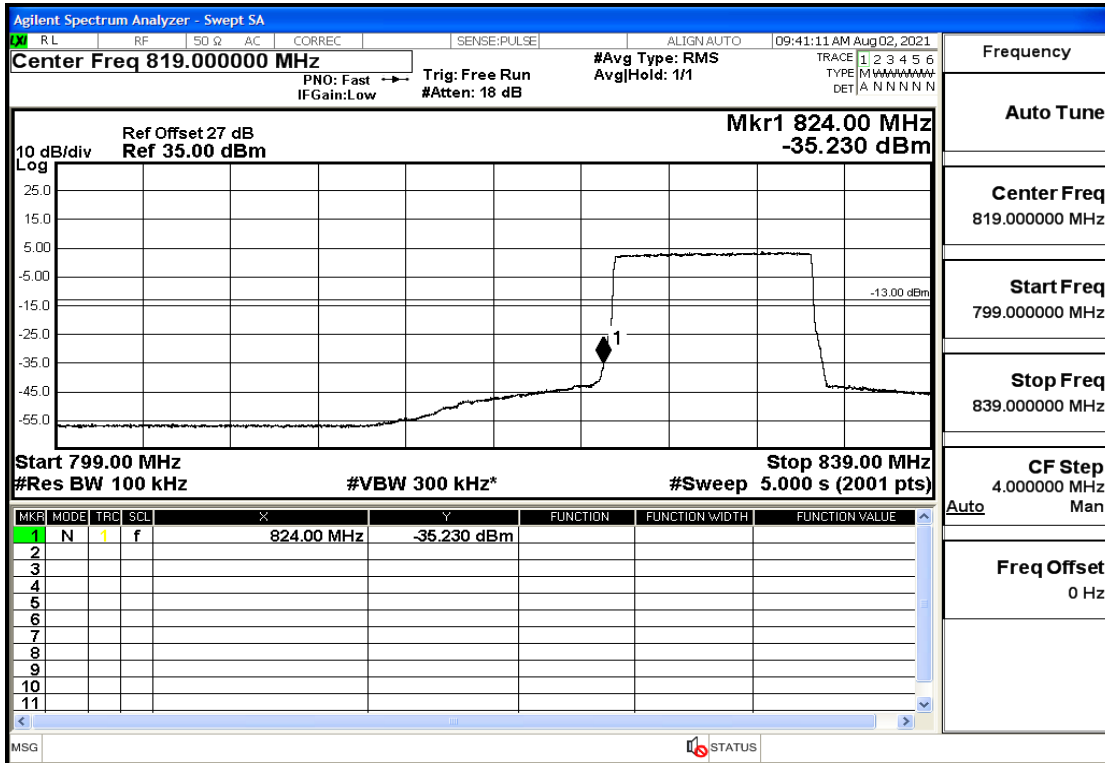
Band5-5-846.5-16QAM-25#LOW@Pass



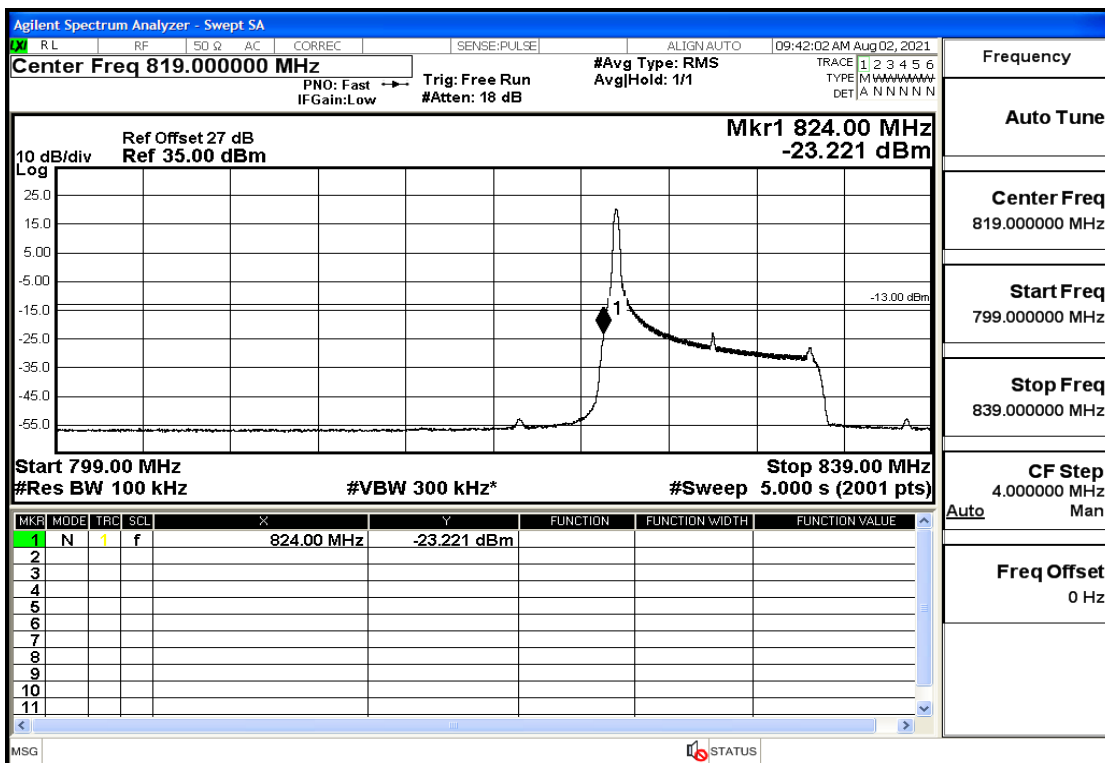
Band5-5-846.5-16QAM-1#HIGH@Pass



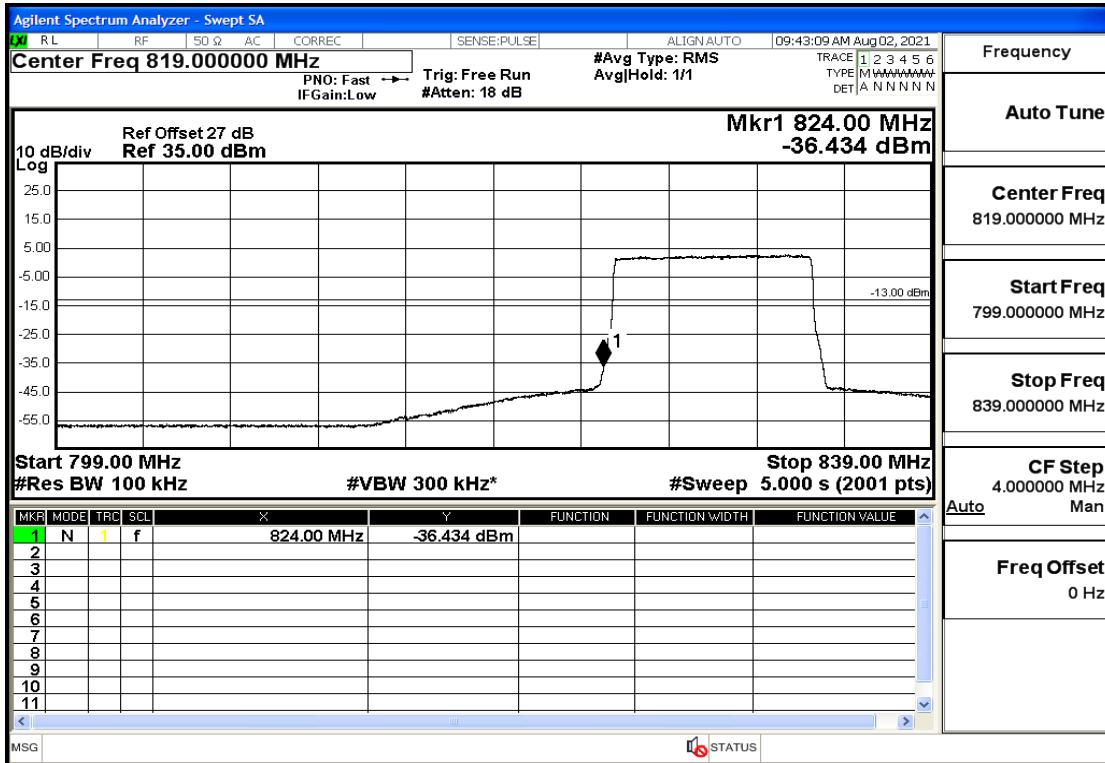
Band5-10-829-QPSK-50#LOW@Pass



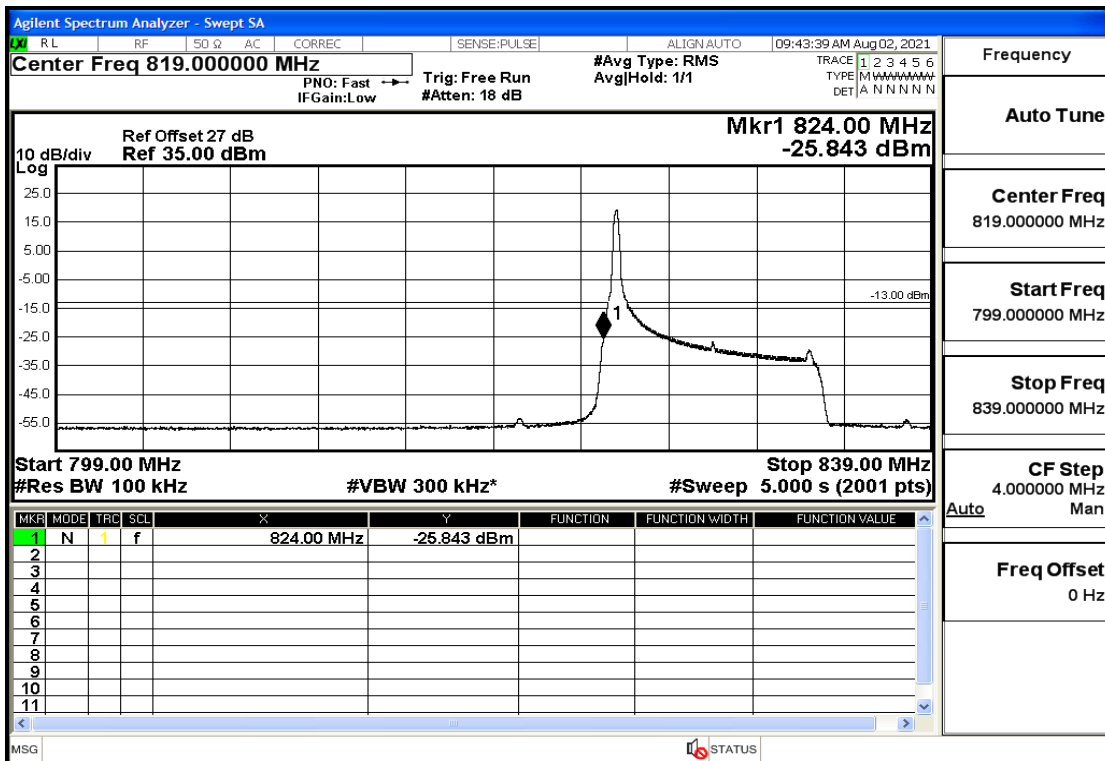
Band5-10-829-QPSK-1#LOW@Pass



Band5-10-829-16QAM-50#LOW@Pass

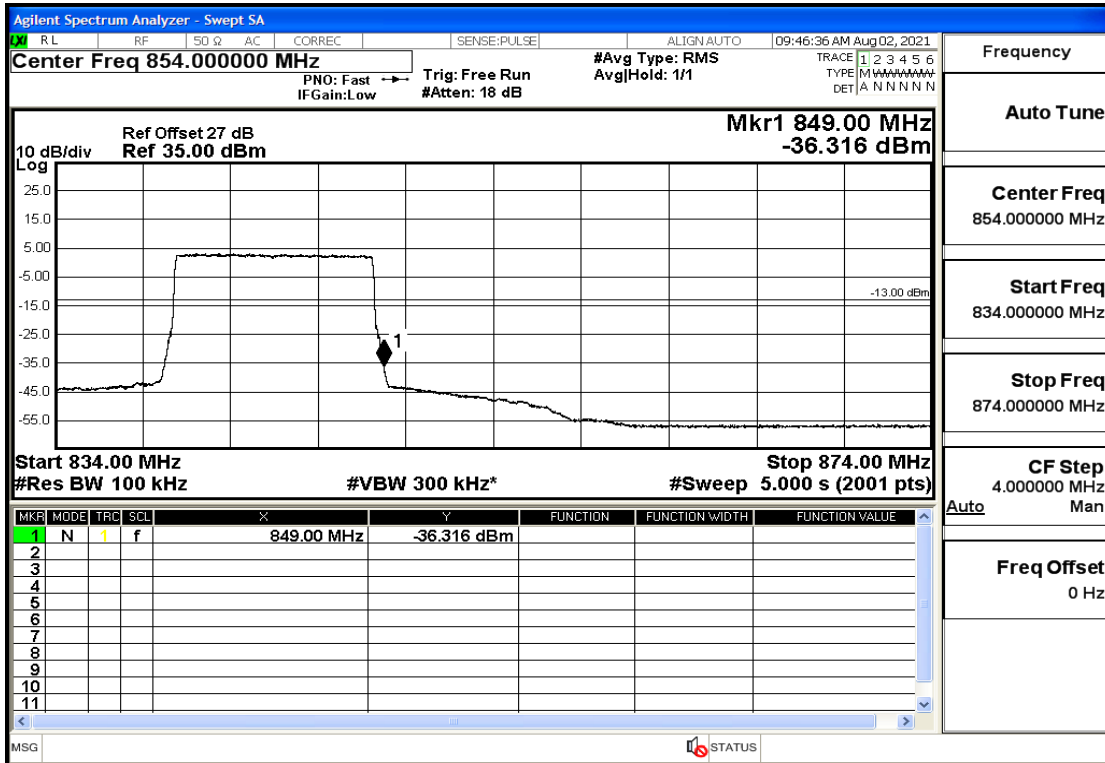


Band5-10-829-16QAM-1#LOW@Pass

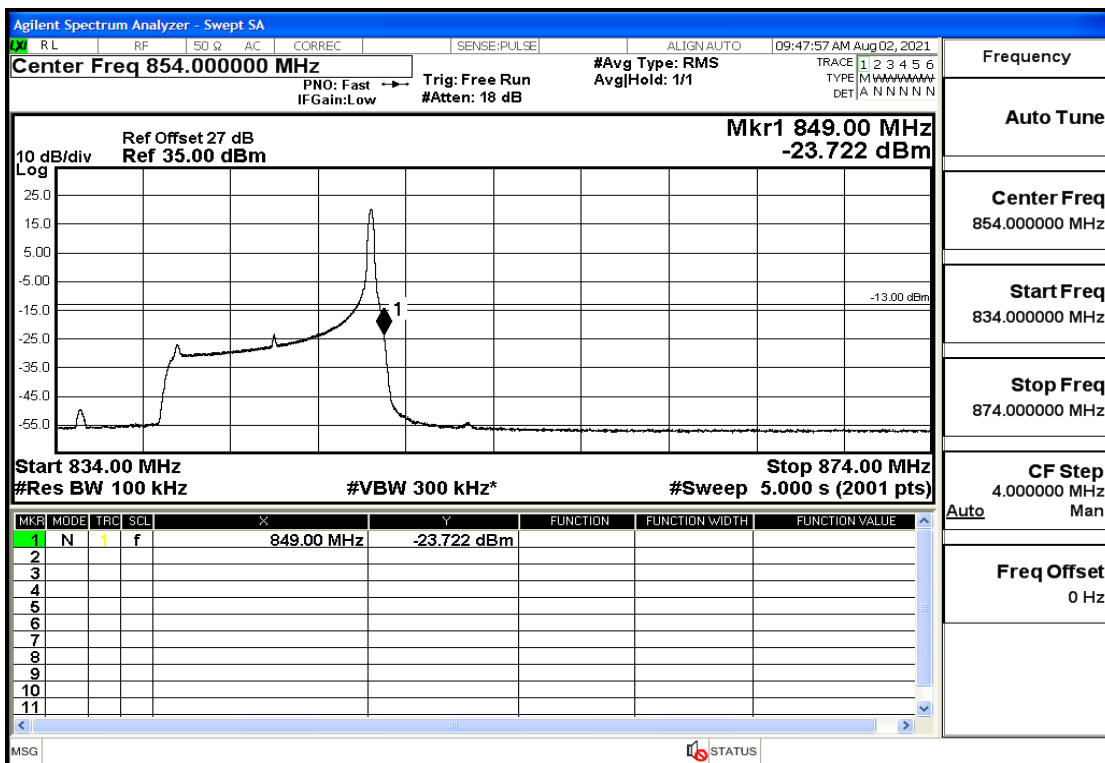




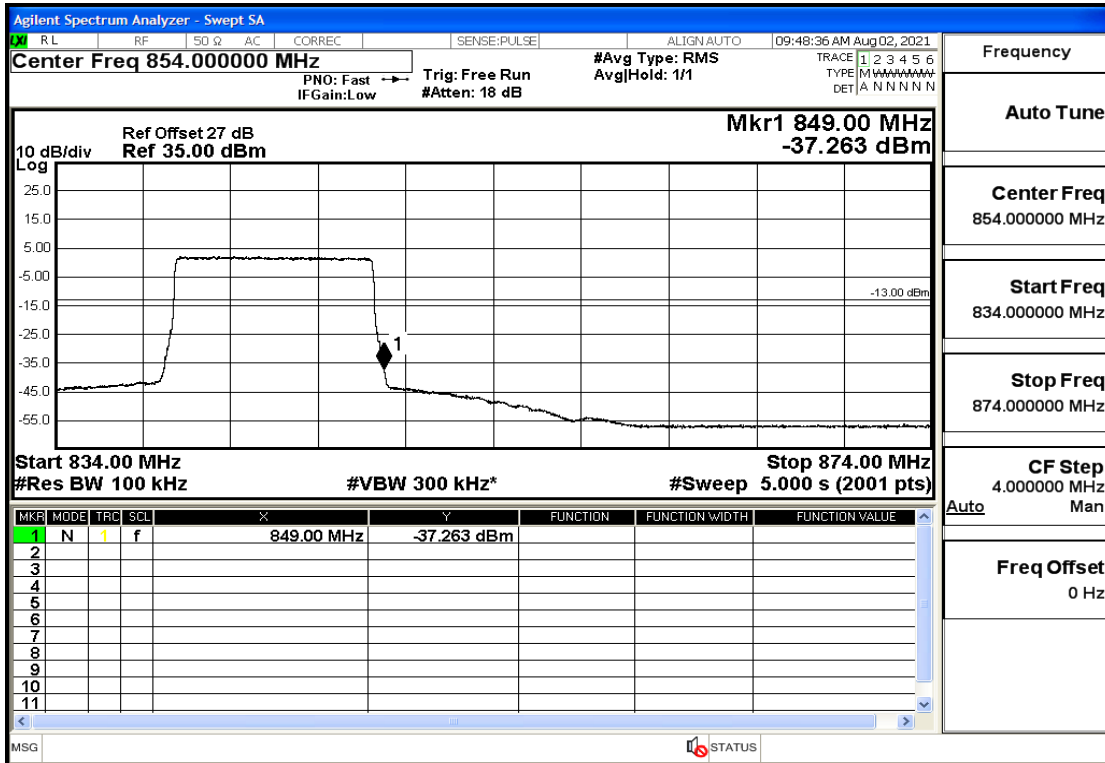
Band5-10-844-QPSK-50#LOW@Pass



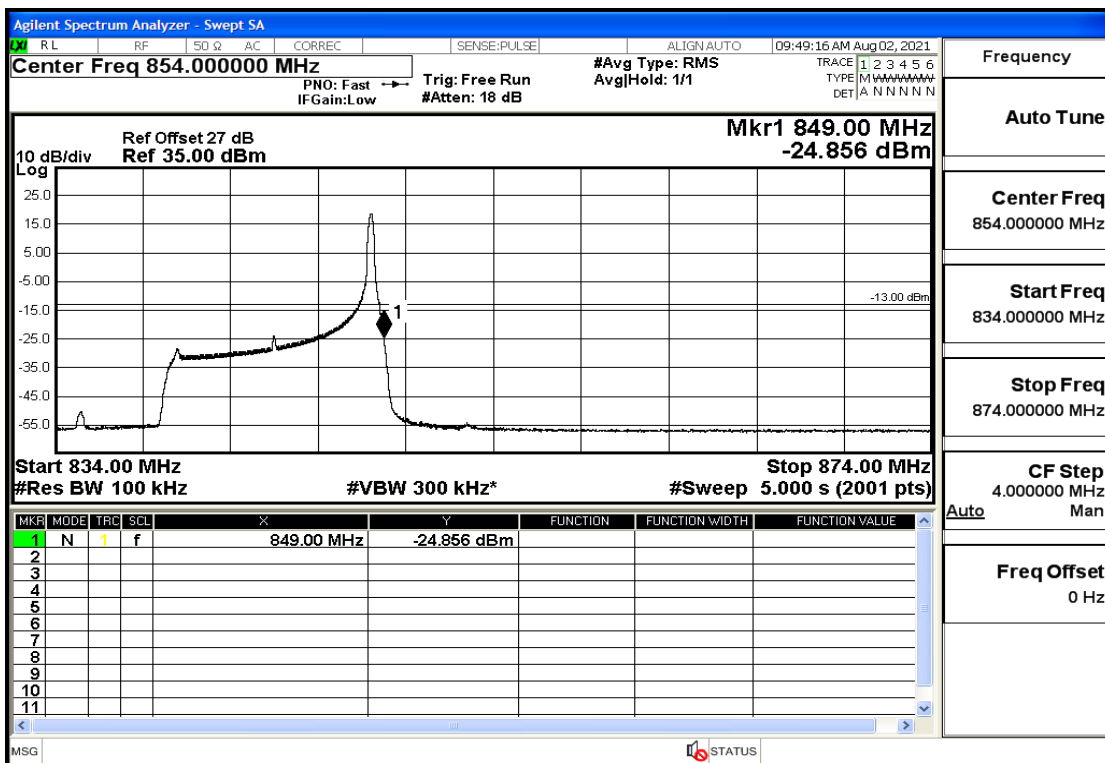
Band5-10-844-QPSK-1#HIGH@Pass



Band5-10-844-16QAM-50#LOW@Pass



Band5-10-844-16QAM-1#HIGH@Pass

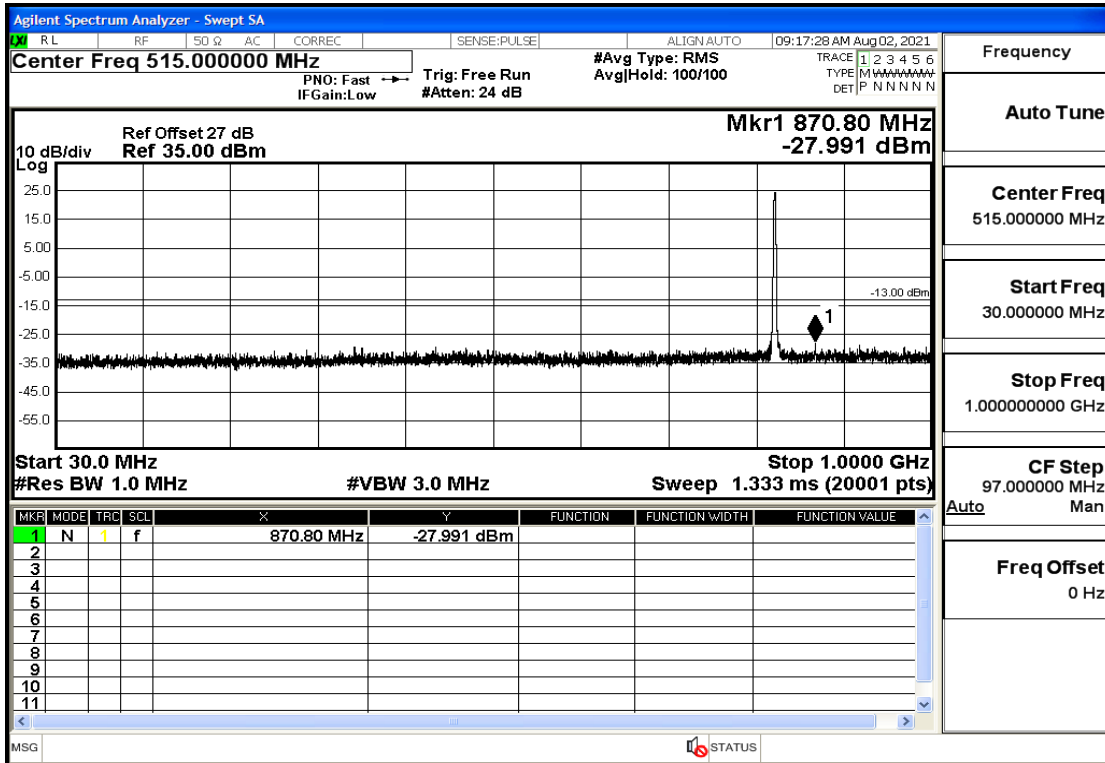


## Conducted Spurious Emission

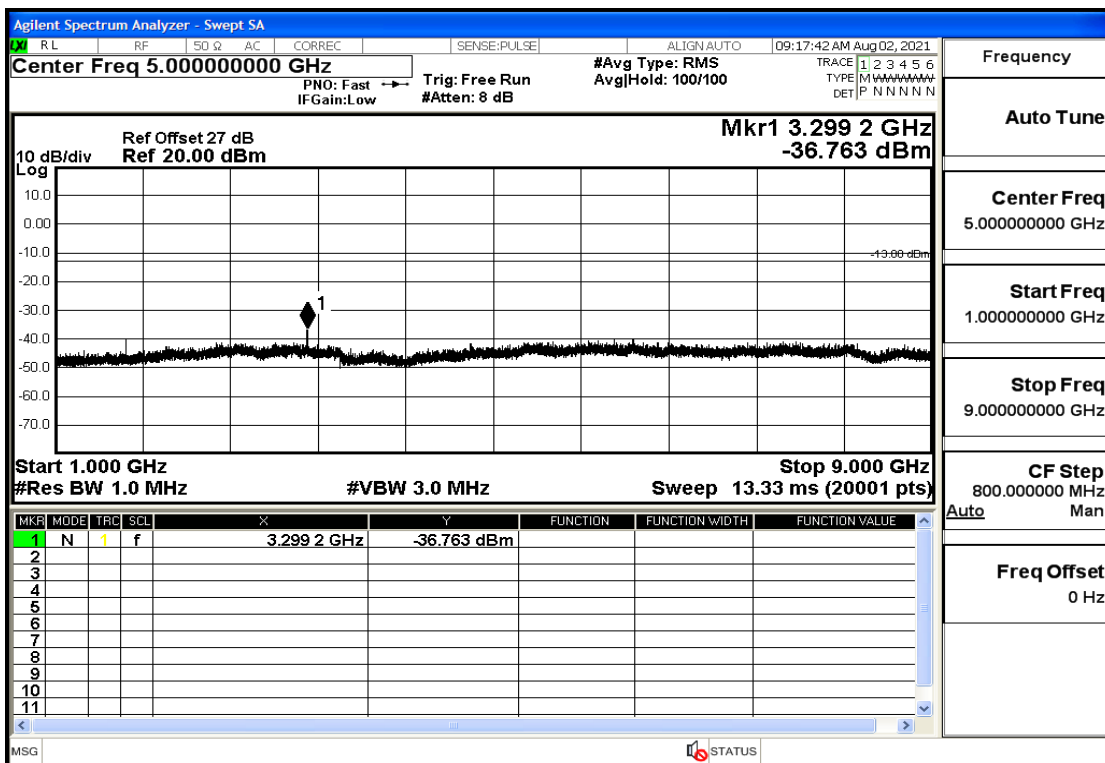
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Test Condition	Transmitter Spurious Emission(Pass/Fail)
OB5	1.4	824.7	QPSK	6	LOW	30mHz-1GHz	Pass
OB5	1.4	824.7	QPSK	6	LOW	1GHz-9GHz	Pass
OB5	1.4	824.7	QPSK	1	LOW	30mHz-1GHz	Pass
OB5	1.4	824.7	QPSK	1	LOW	1GHz-9GHz	Pass
OB5	1.4	824.7	QPSK	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	10	829	QPSK	50	LOW	30mHz-1GHz	Pass
OB5	10	829	QPSK	50	LOW	1GHz-9GHz	Pass
OB5	10	829	QPSK	1	LOW	30mHz-1GHz	Pass
OB5	10	829	QPSK	1	LOW	1GHz-9GHz	Pass
OB5	10	829	QPSK	1	HIGH	30mHz-1GHz	Pass
OB5	10	829	QPSK	1	HIGH	1GHz-9GHz	Pass
OB5	10	836.5	QPSK	50	LOW	30mHz-1GHz	Pass
OB5	10	836.5	QPSK	50	LOW	1GHz-9GHz	Pass
OB5	10	836.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB5	10	836.5	QPSK	1	LOW	1GHz-9GHz	Pass
OB5	10	836.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB5	10	836.5	QPSK	1	HIGH	1GHz-9GHz	Pass
OB5	10	844	QPSK	50	LOW	30mHz-1GHz	Pass
OB5	10	844	QPSK	50	LOW	1GHz-9GHz	Pass
OB5	10	844	QPSK	1	LOW	30mHz-1GHz	Pass
OB5	10	844	QPSK	1	LOW	1GHz-9GHz	Pass
OB5	10	844	QPSK	1	HIGH	30mHz-1GHz	Pass
OB5	10	844	QPSK	1	HIGH	1GHz-9GHz	Pass

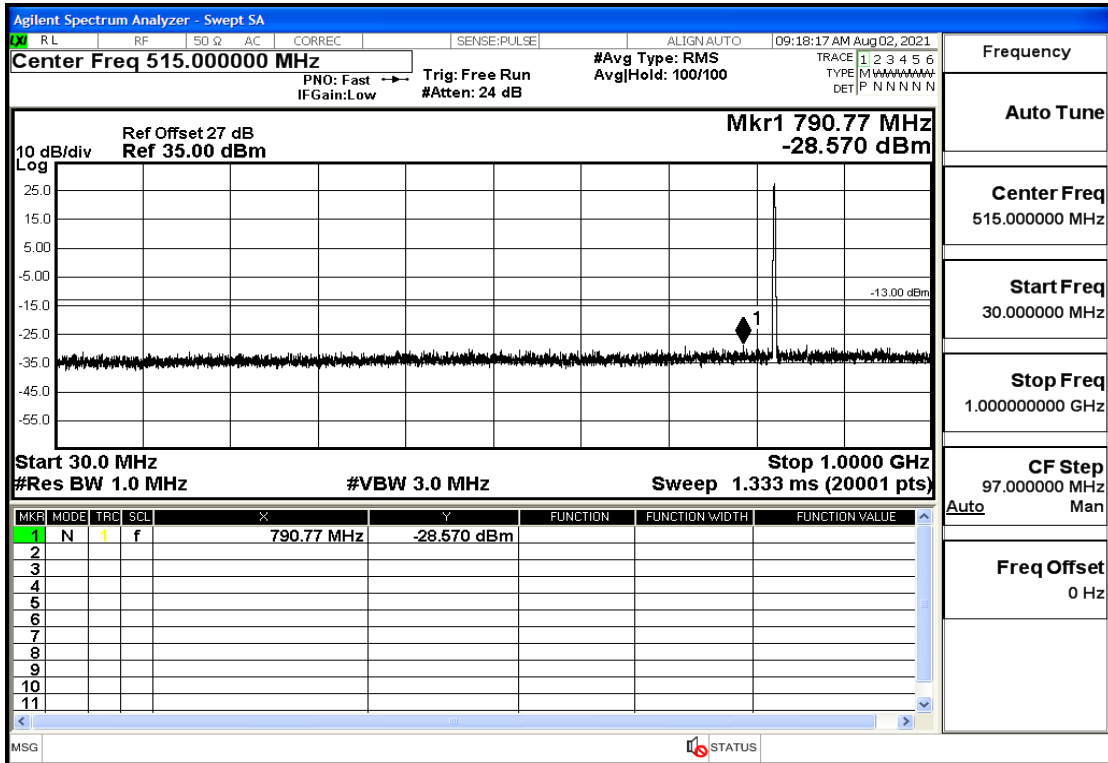
OB5-1.4-824.7-QPSK-6#LOW@30mHz-1GHz@Pass



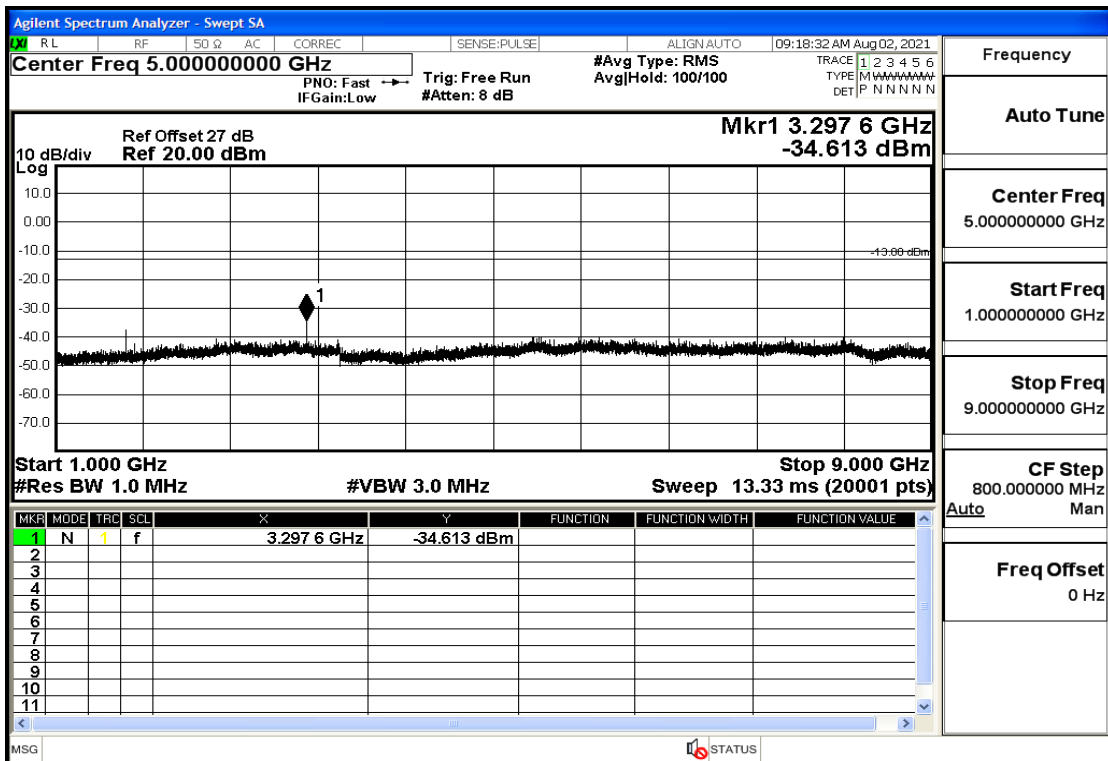
OB5-1.4-824.7-QPSK-6#LOW@1GHz-9GHz@Pass



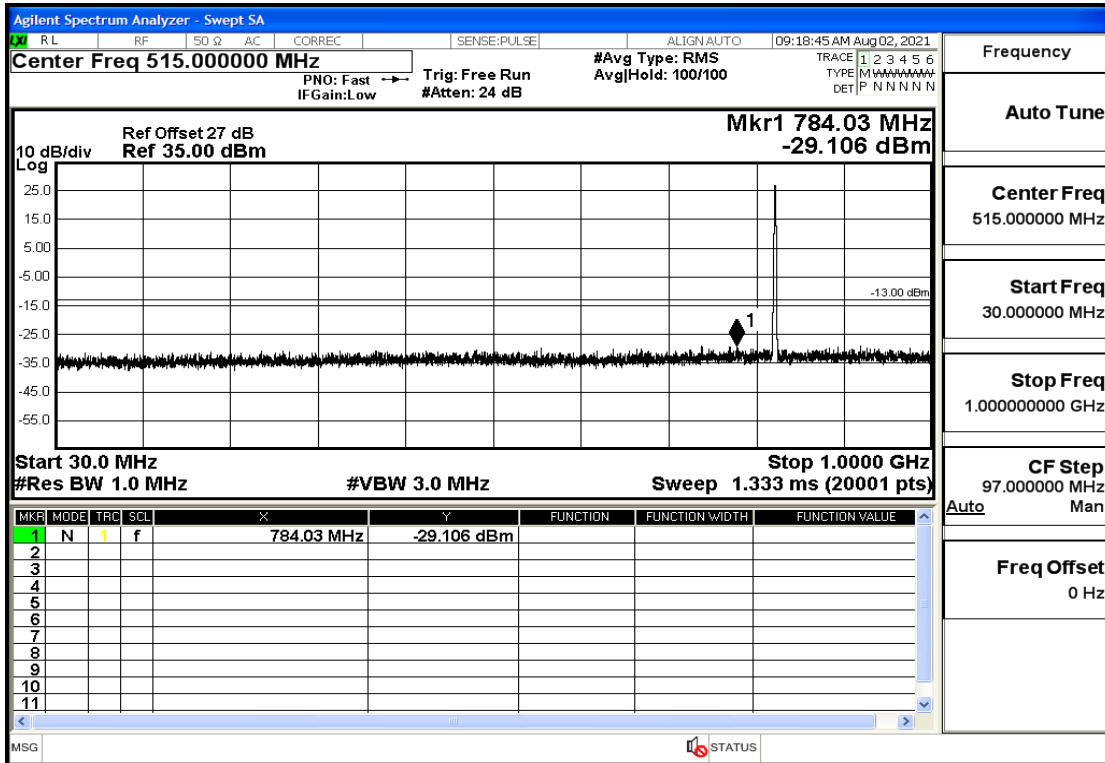
OB5-1.4-824.7-QPSK-1#LOW@30mHz-1GHz@Pass



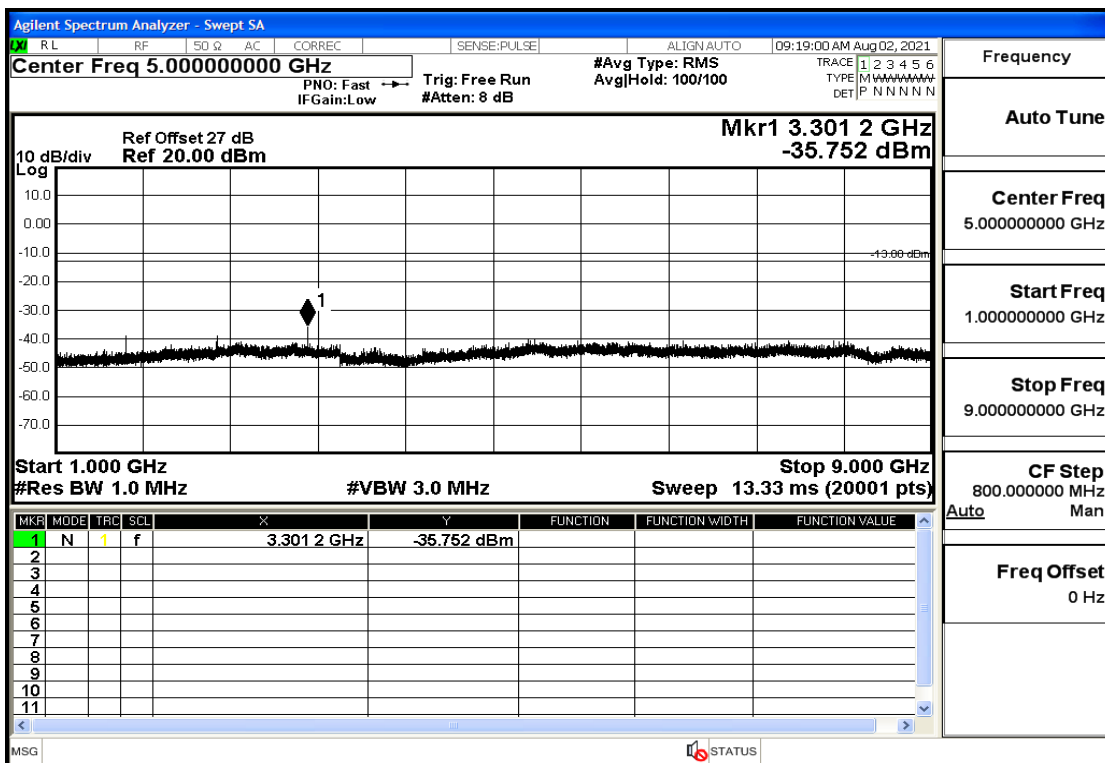
OB5-1.4-824.7-QPSK-1#LOW@1GHz-9GHz@Pass



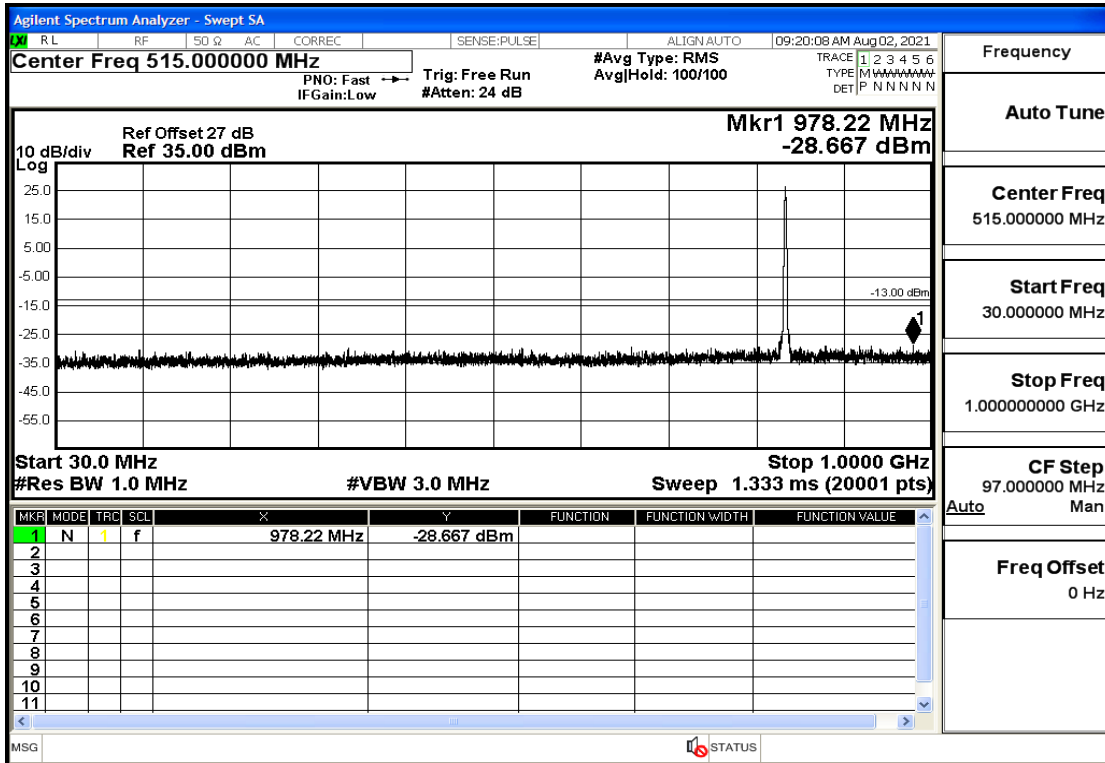
OB5-1.4-824.7-QPSK-1#HIGH@30mHz-1GHz@Pass



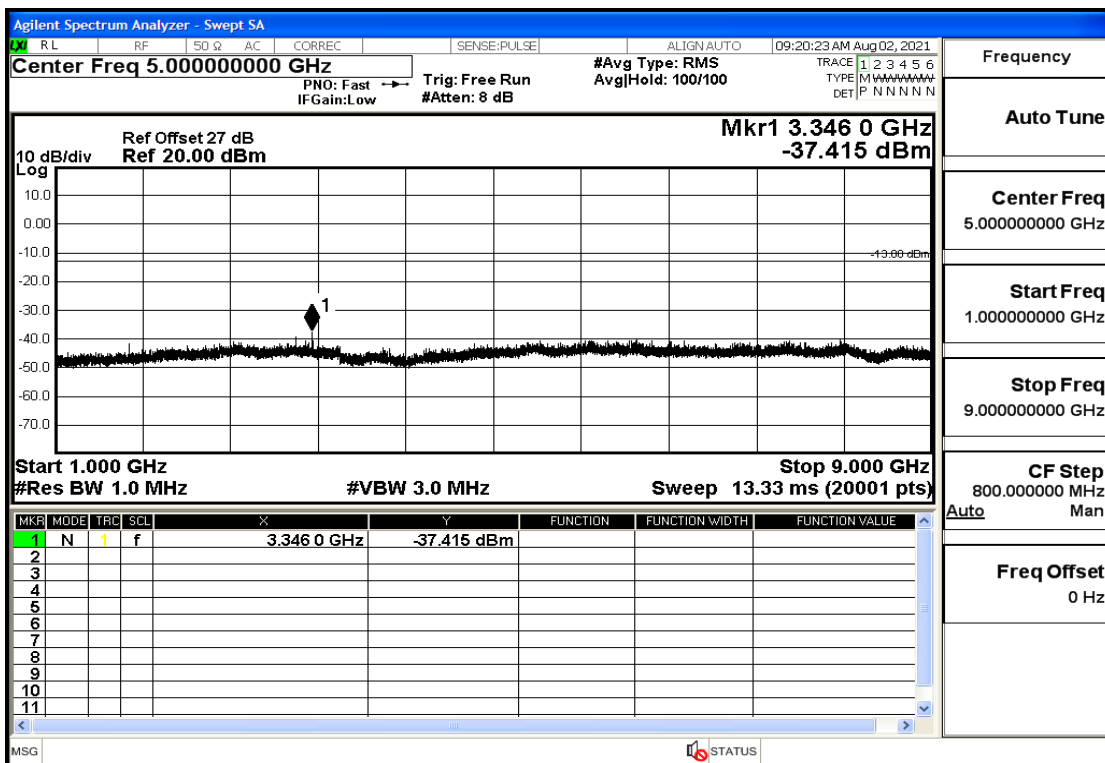
OB5-1.4-824.7-QPSK-1#HIGH@1GHz-9GHz@Pass



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

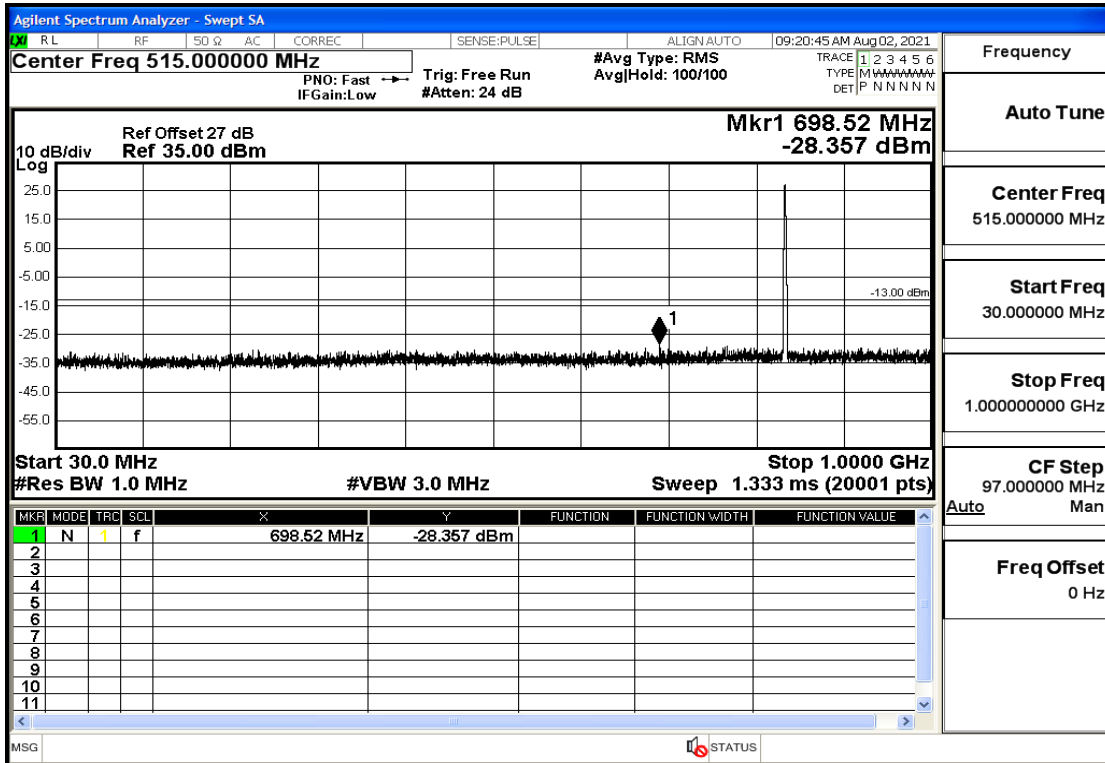


OB5-1.4-836.5-QPSK-6#LOW@1GHz-9GHz@Pass

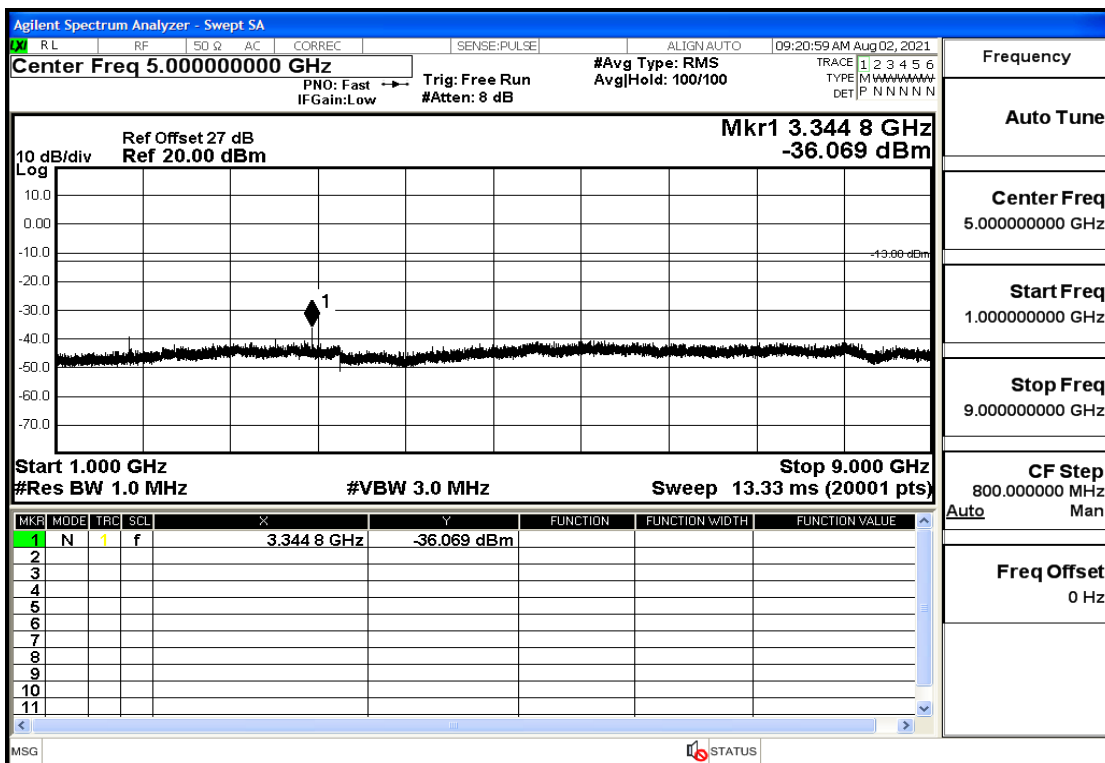




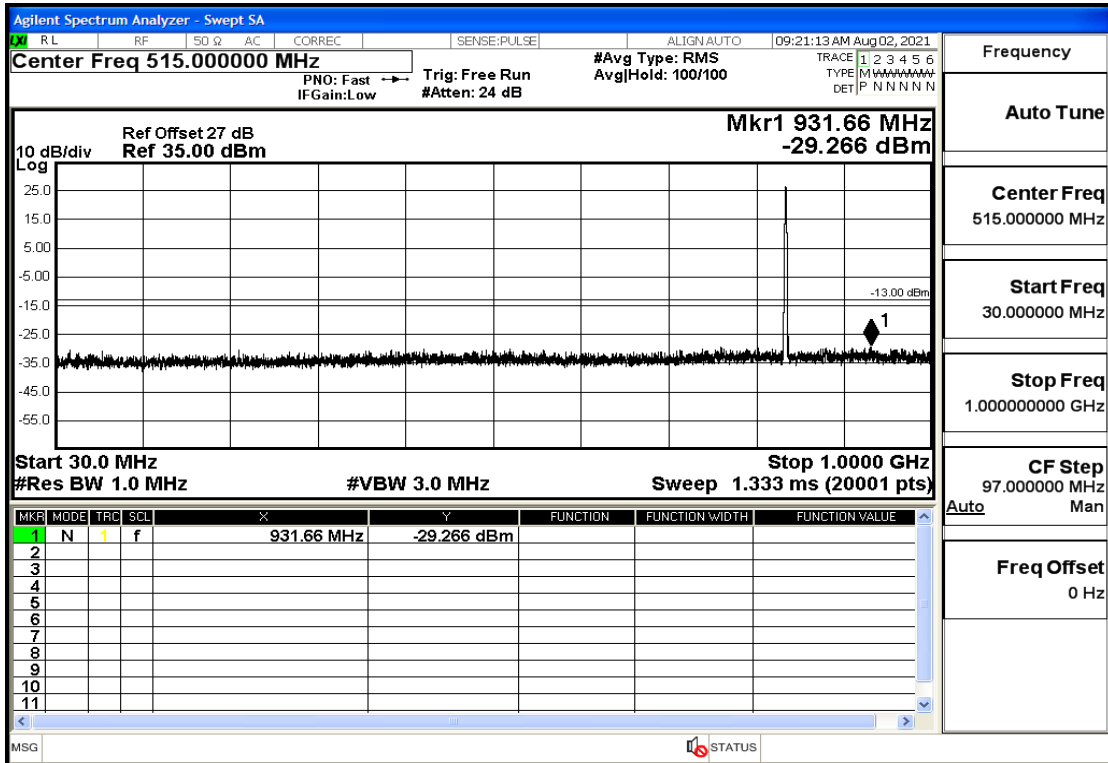
OB5-1.4-836.5-QPSK-1#LOW@30mHz-1GHz@Pass



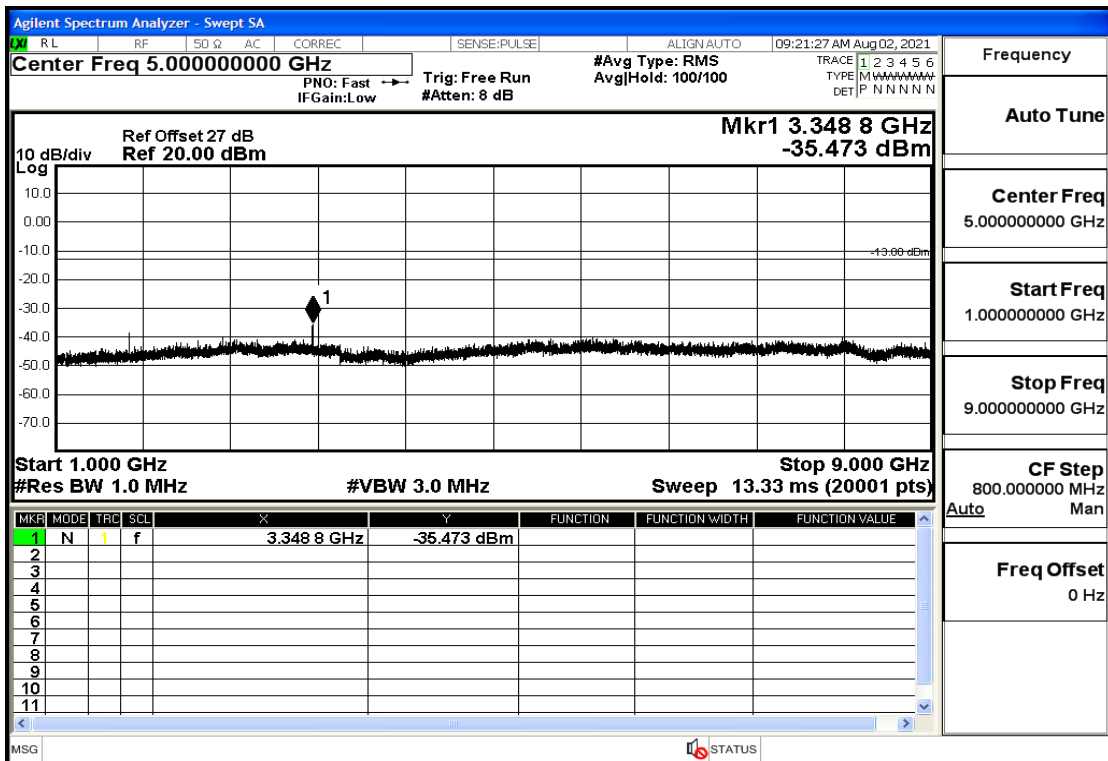
OB5-1.4-836.5-QPSK-1#LOW@1GHz-9GHz@Pass



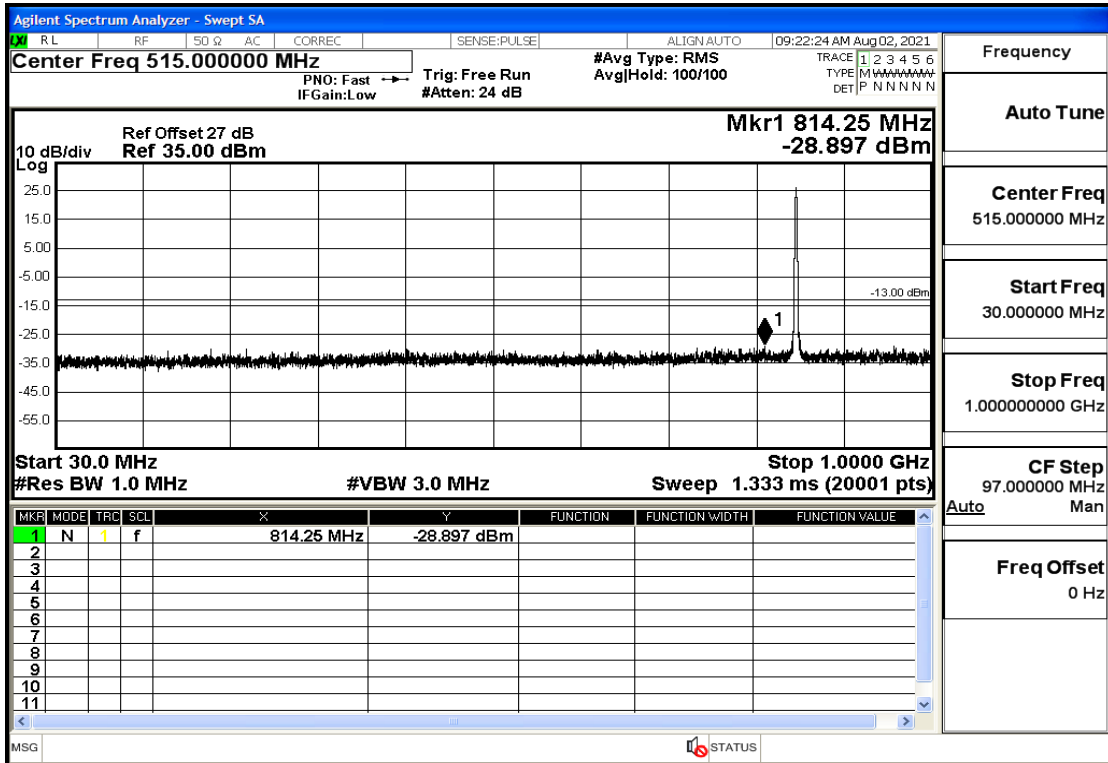
OB5-1.4-836.5-QPSK-1#HIGH@30mHz-1GHz@Pass



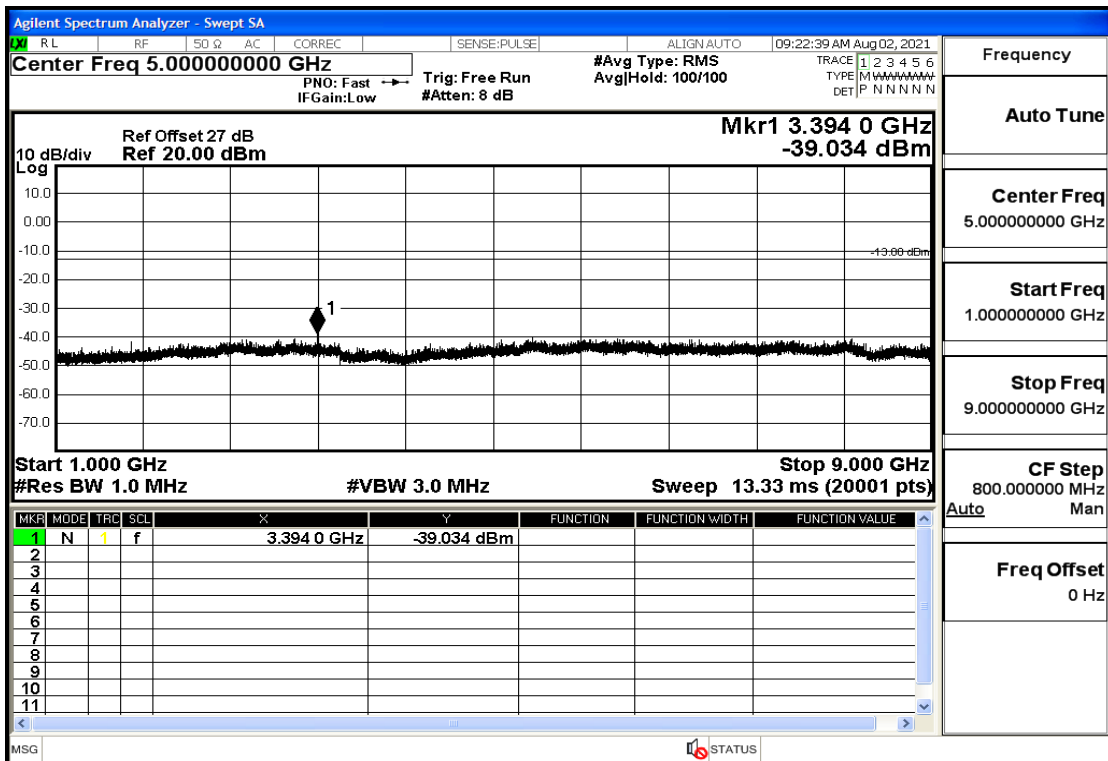
OB5-1.4-836.5-QPSK-1#HIGH@1GHz-9GHz@Pass



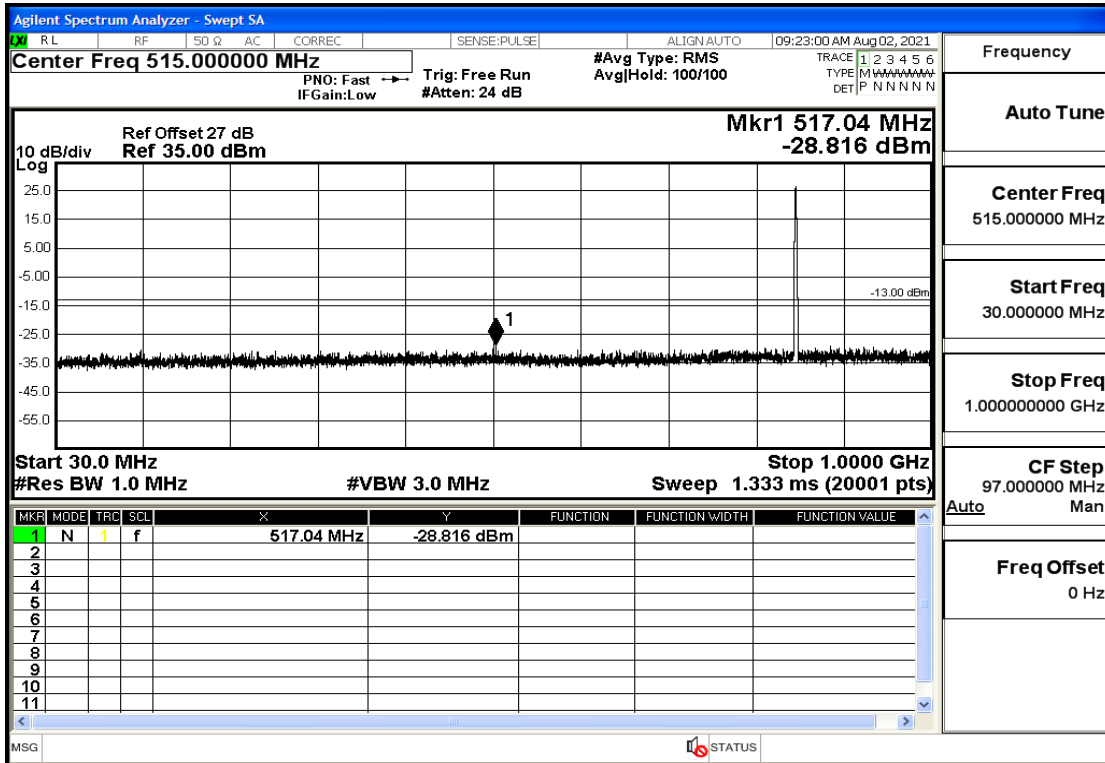
OB5-1.4-848.3-QPSK-6#LOW@30mHz-1GHz@Pass



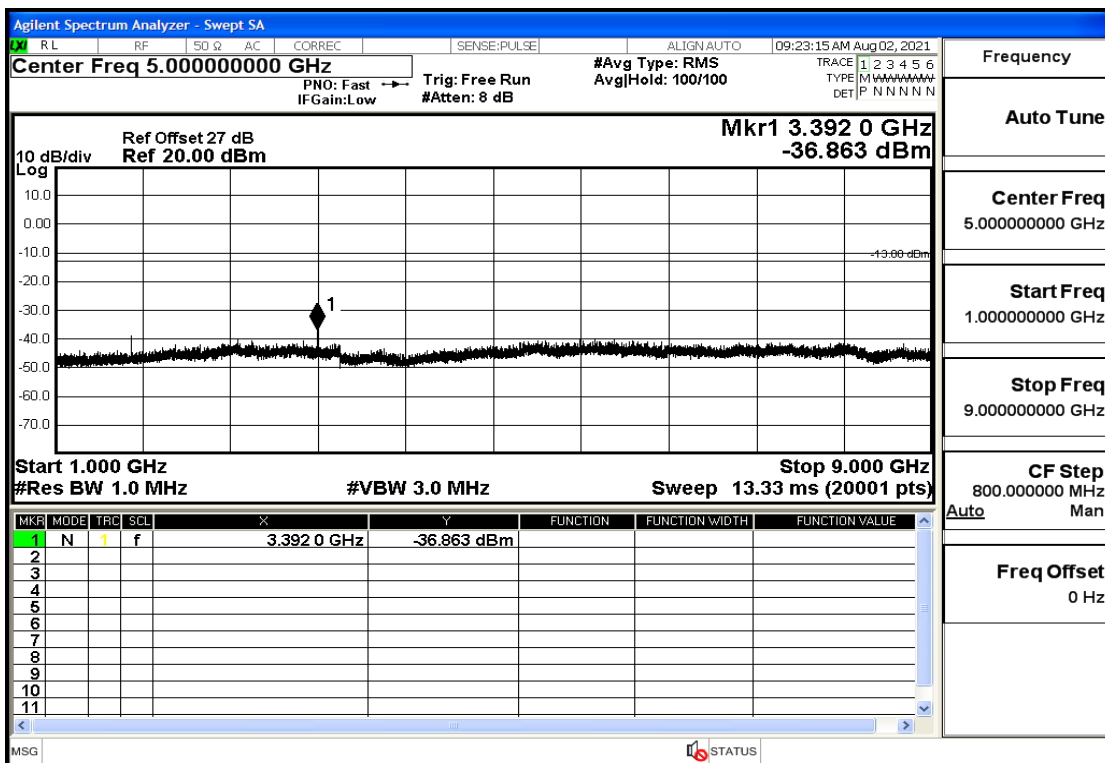
OB5-1.4-848.3-QPSK-6#LOW@1GHz-9GHz@Pass



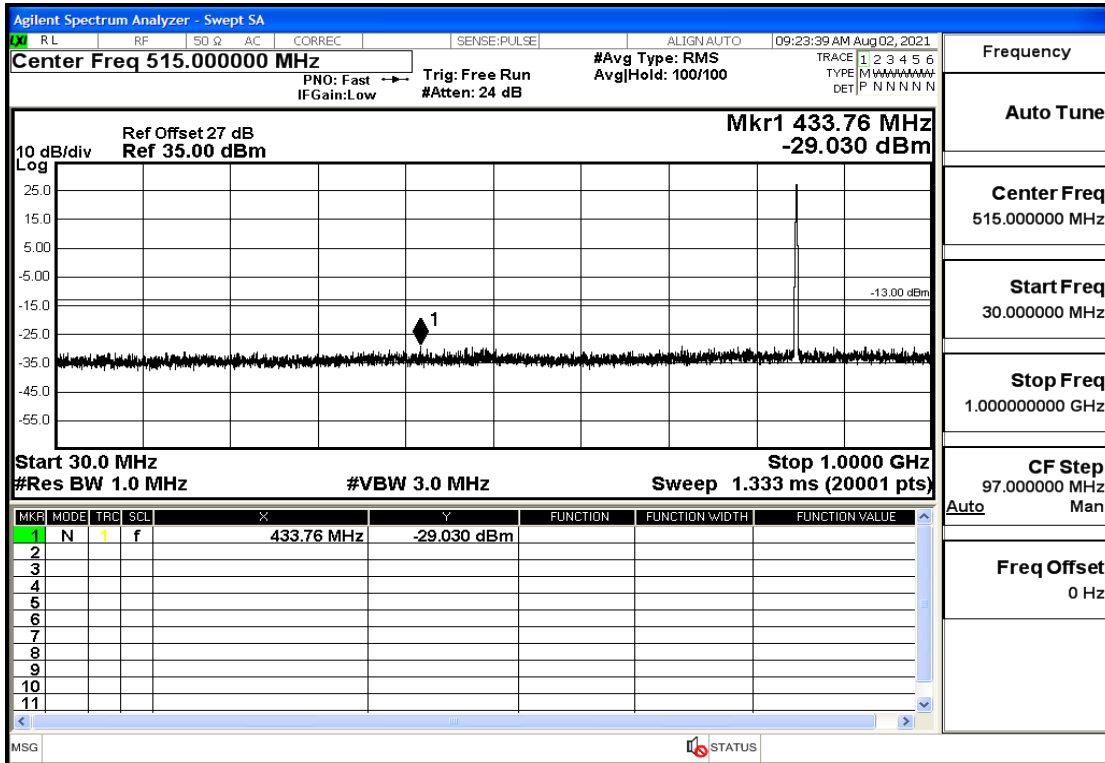
OB5-1.4-848.3-QPSK-1#LOW@30mHz-1GHz@Pass



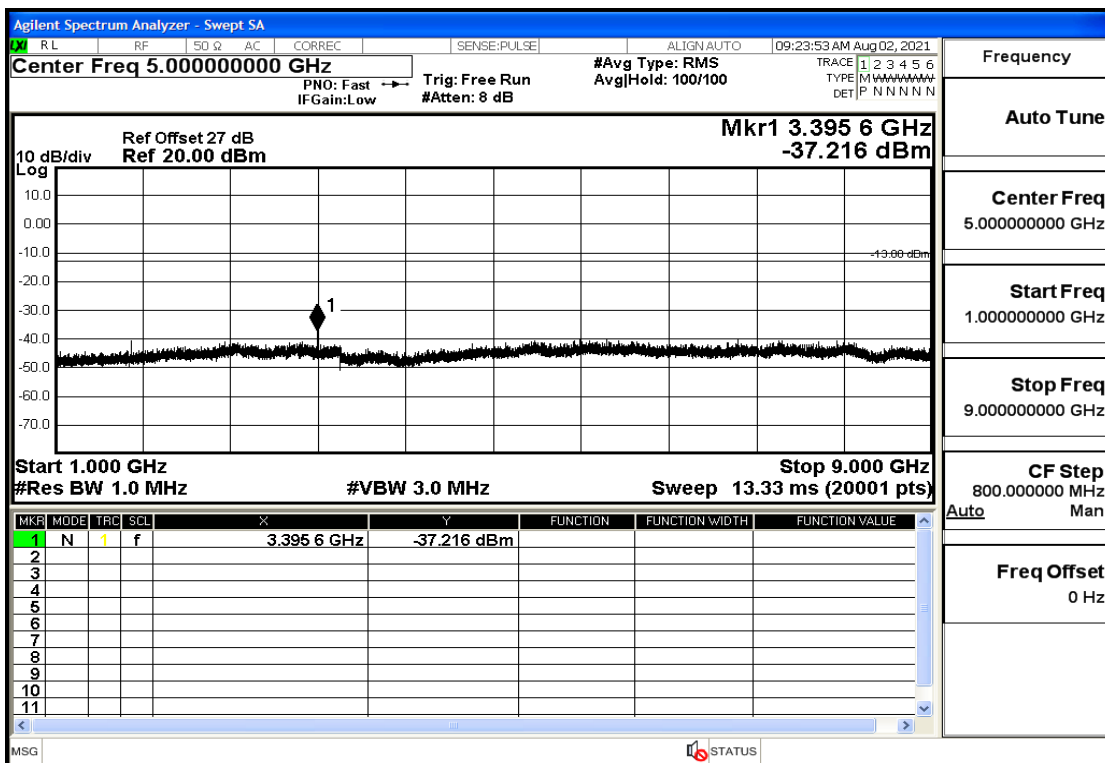
OB5-1.4-848.3-QPSK-1#LOW@1GHz-9GHz@Pass



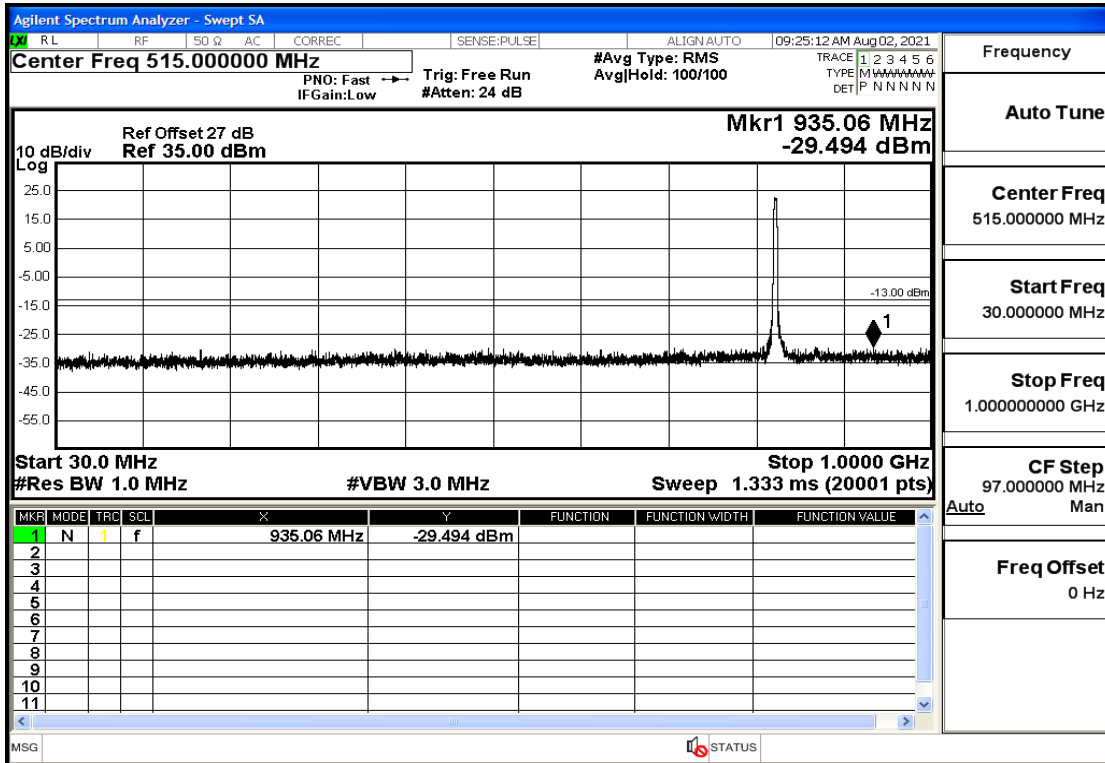
OB5-1.4-848.3-QPSK-1#HIGH@30mHz-1GHz@Pass



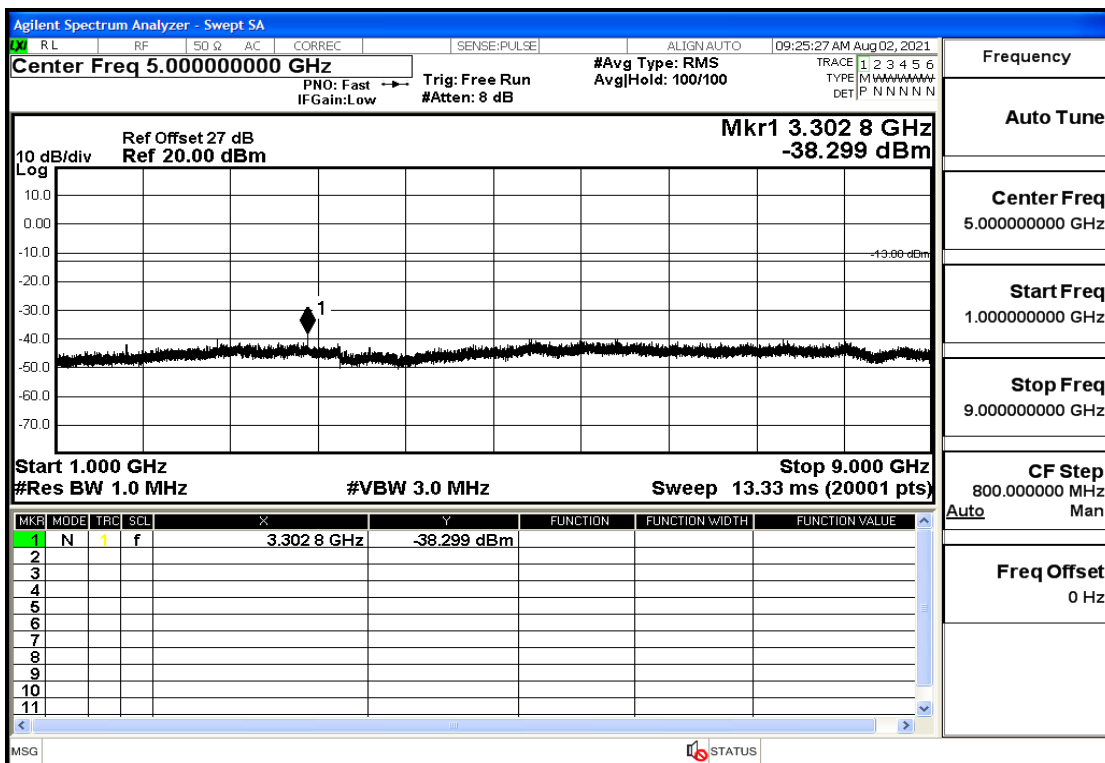
OB5-1.4-848.3-QPSK-1#HIGH@1GHz-9GHz@Pass



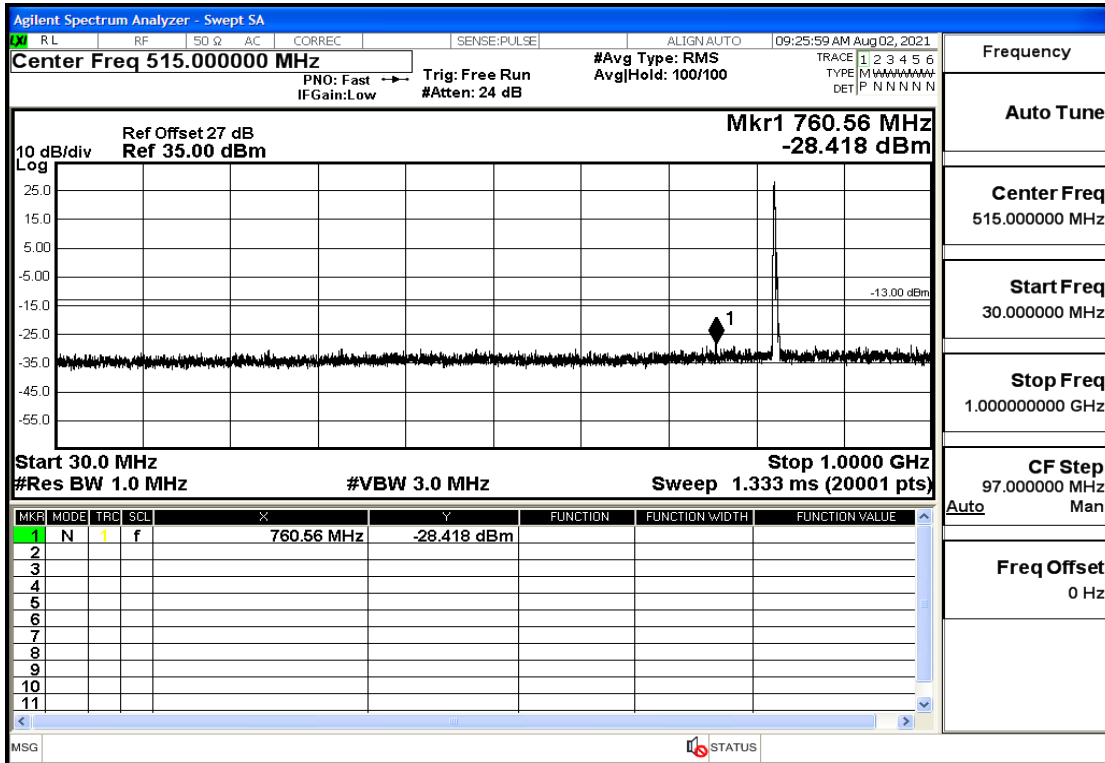
OB5-3-825.5-QPSK-15#LOW@30mHz-1GHz@Pass



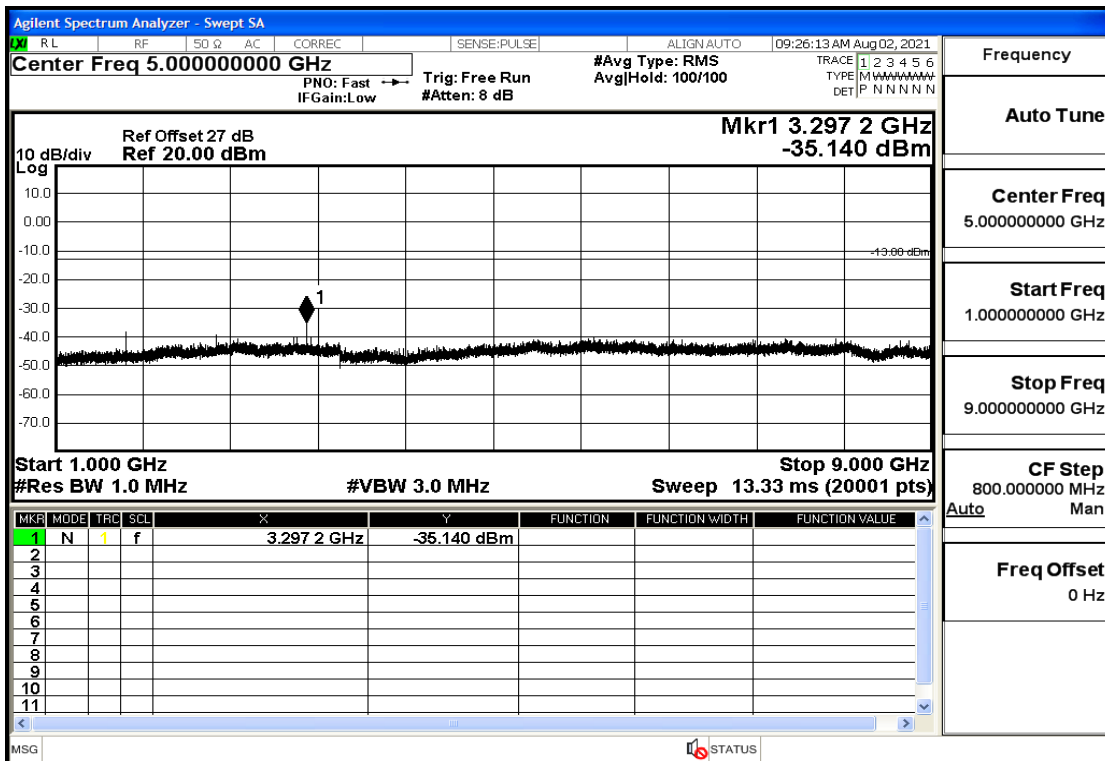
OB5-3-825.5-QPSK-15#LOW@1GHz-9GHz@Pass



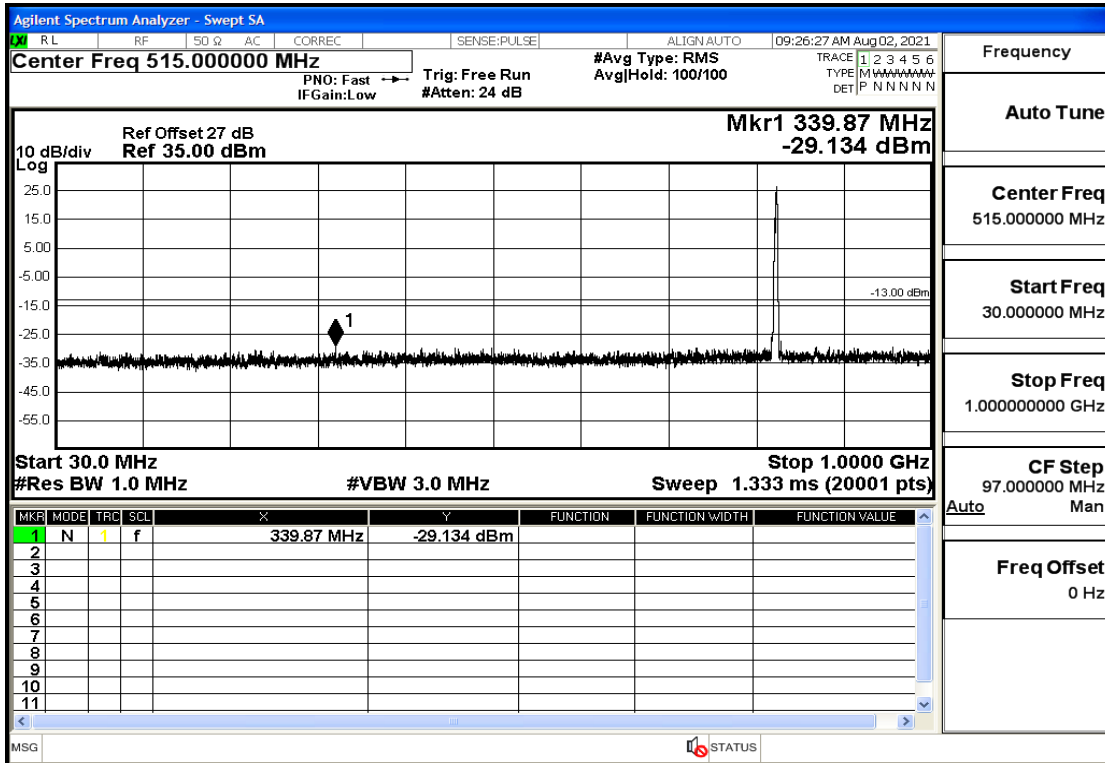
OB5-3-825.5-QPSK-1#LOW@30mHz-1GHz@Pass



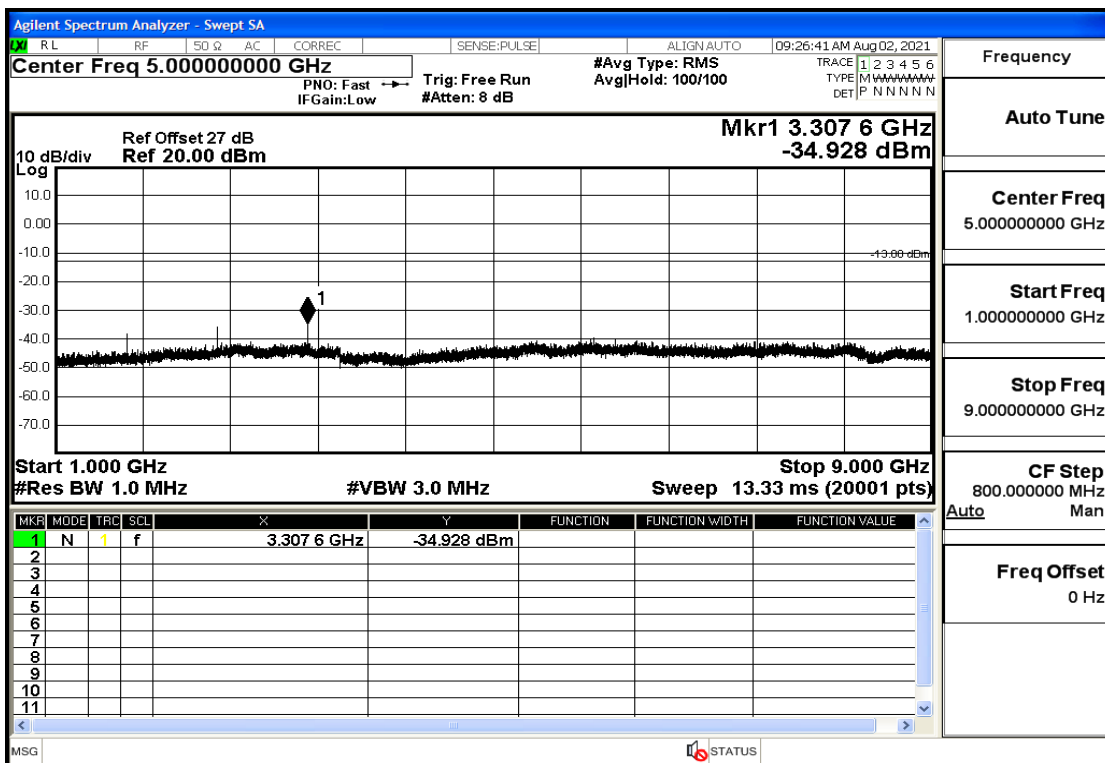
OB5-3-825.5-QPSK-1#LOW@1GHz-9GHz@Pass



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

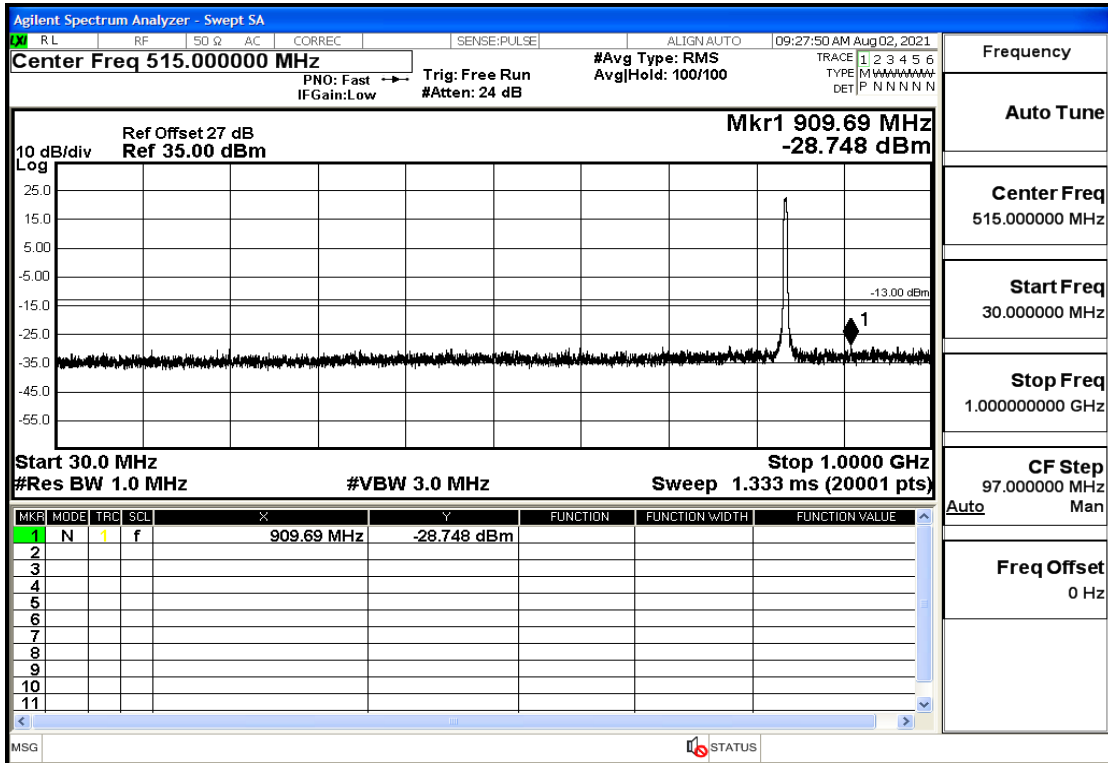


OB5-3-825.5-QPSK-1#HIGH@1GHz-9GHz@Pass

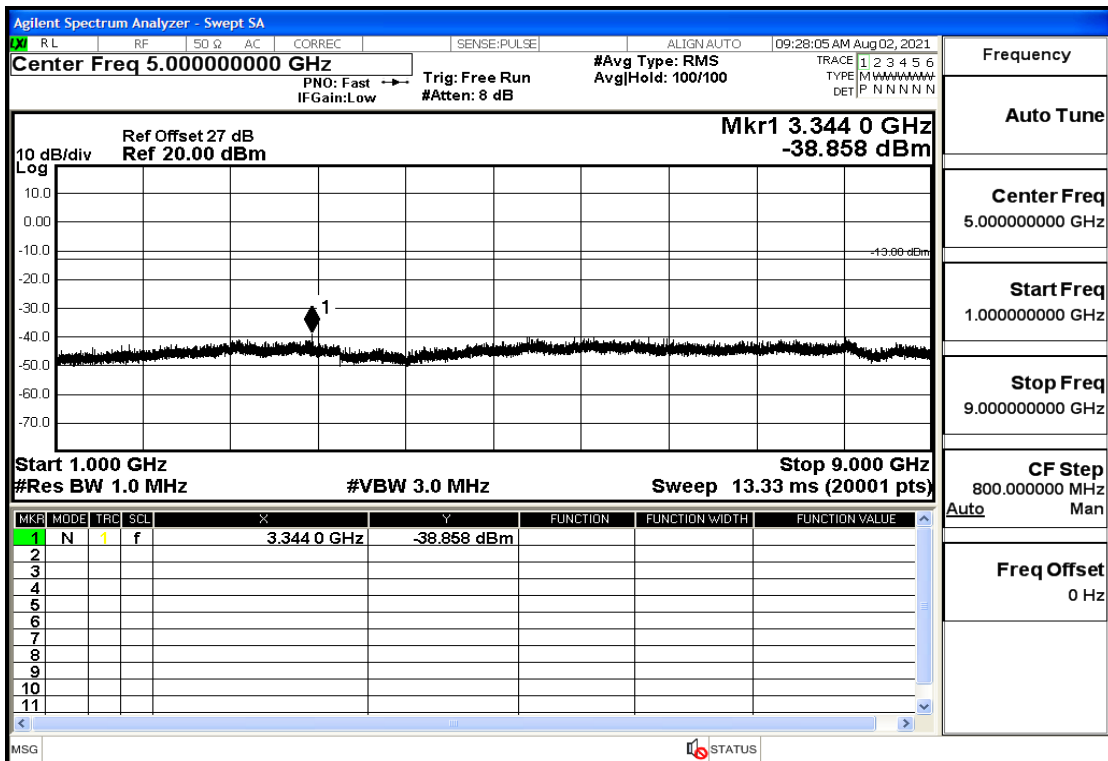




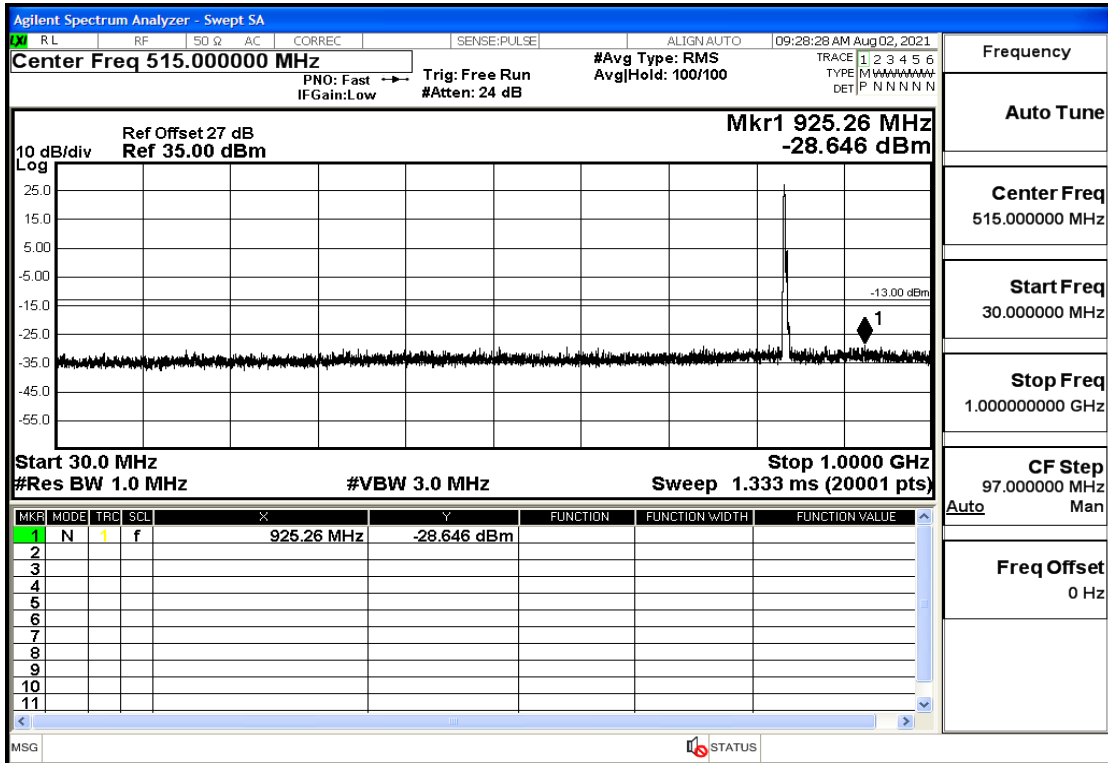
OB5-3-836.5-QPSK-15#LOW@30mHz-1GHz@Pass



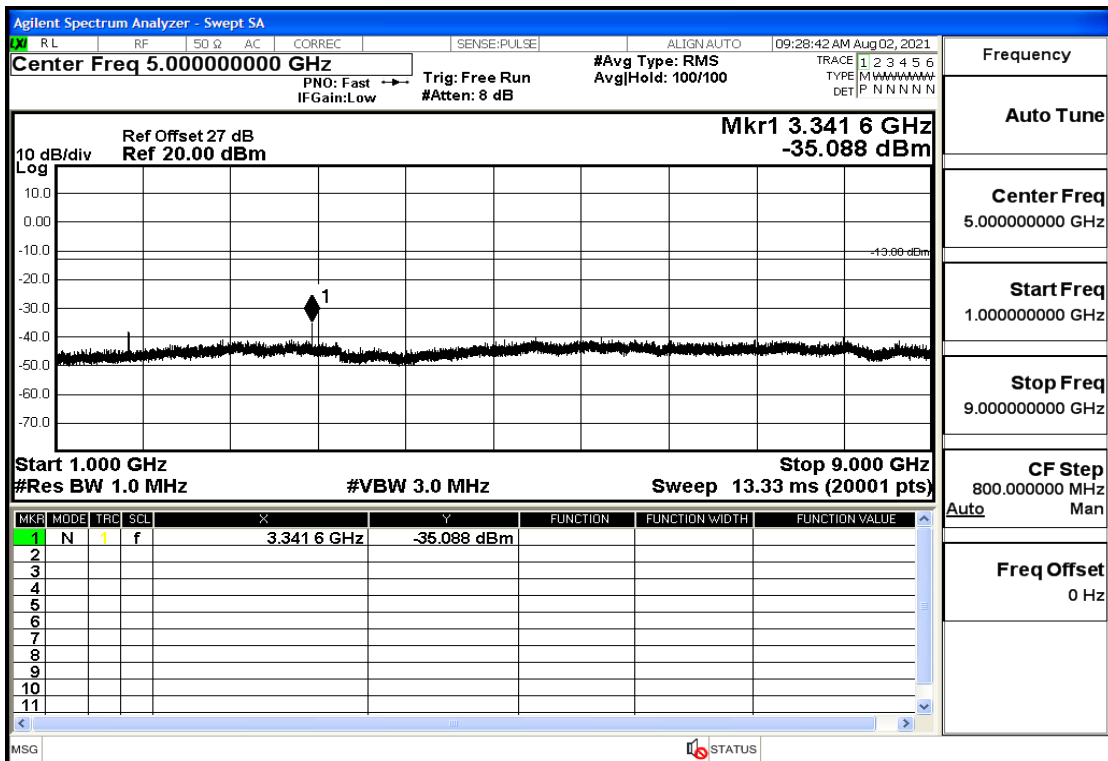
OB5-3-836.5-QPSK-15#LOW@1GHz-9GHz@Pass



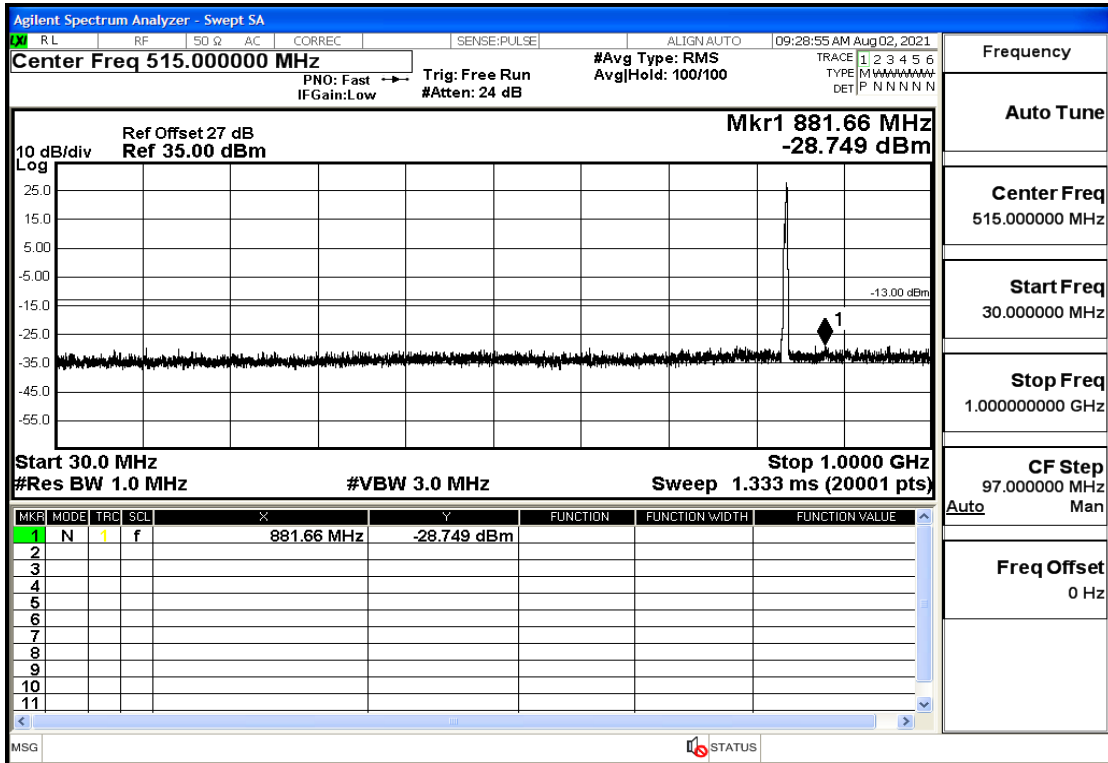
OB5-3-836.5-QPSK-1#LOW@30mHz-1GHz@Pass



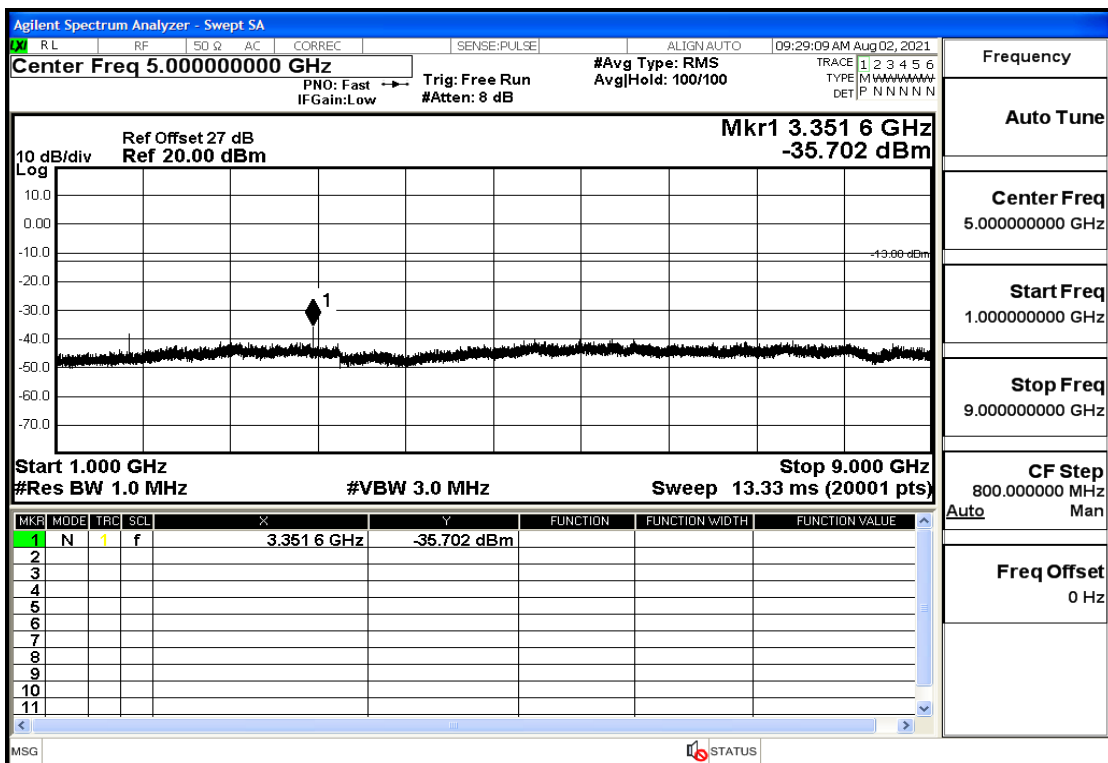
OB5-3-836.5-QPSK-1#LOW@1GHz-9GHz@Pass



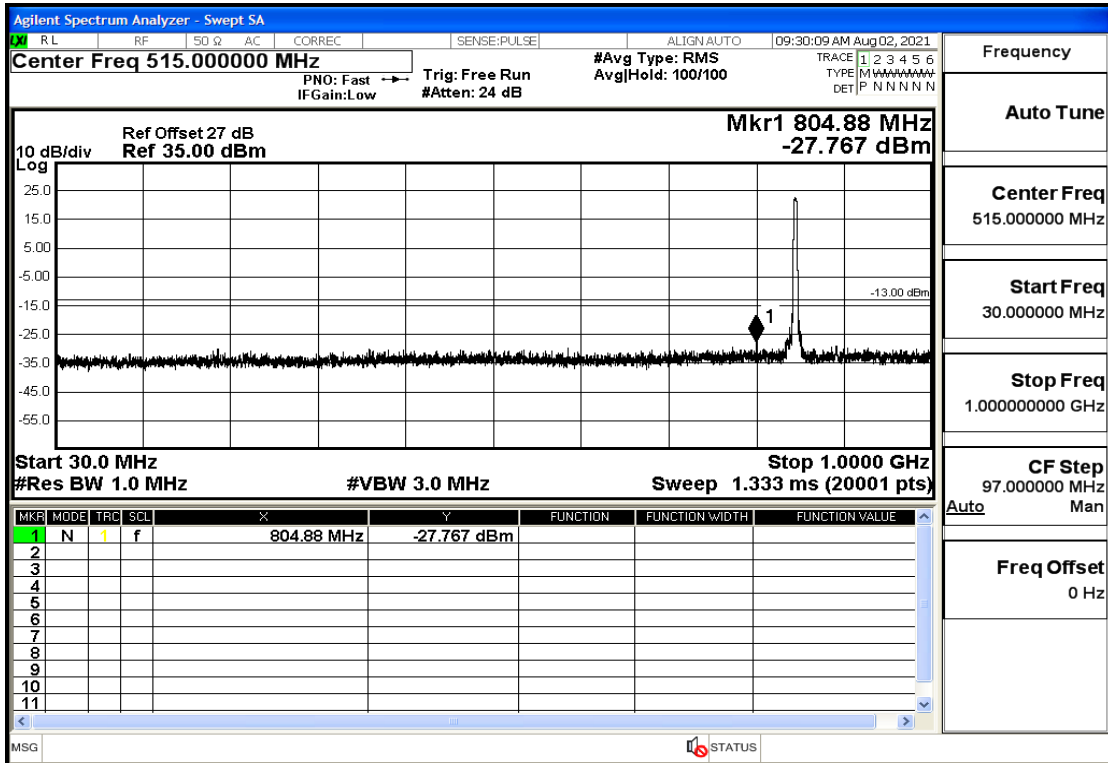
OB5-3-836.5-QPSK-1#HIGH@30mHz-1GHz@Pass



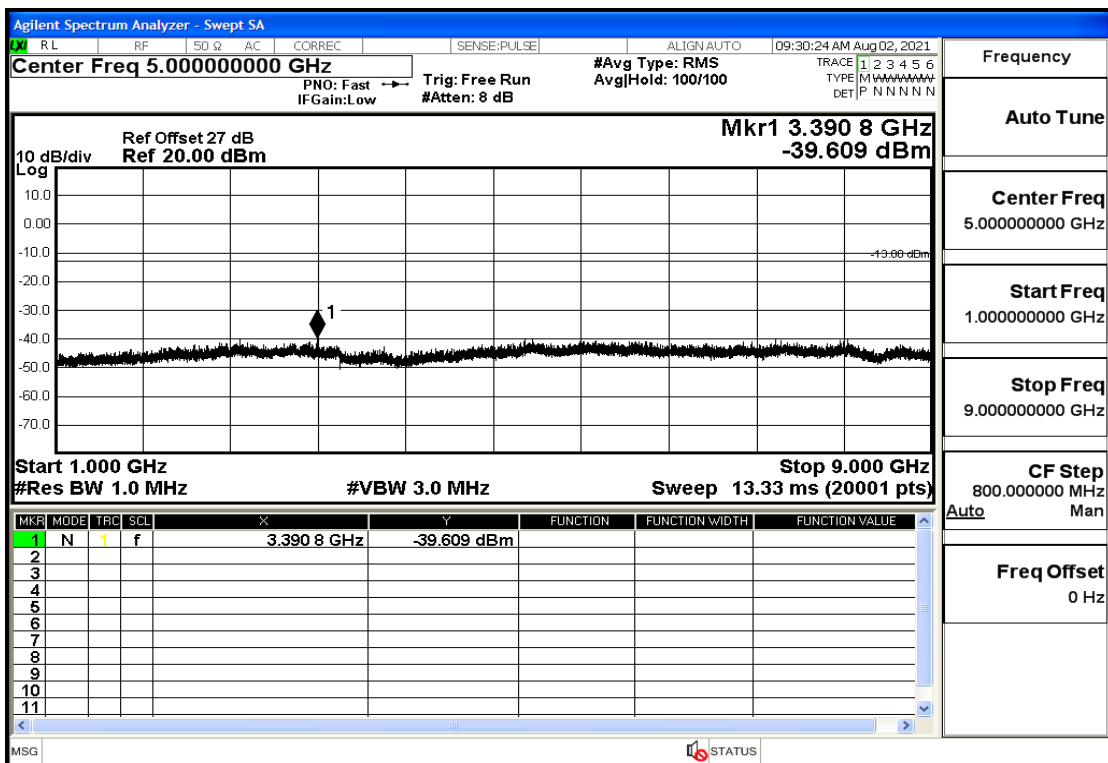
OB5-3-836.5-QPSK-1#HIGH@1GHz-9GHz@Pass



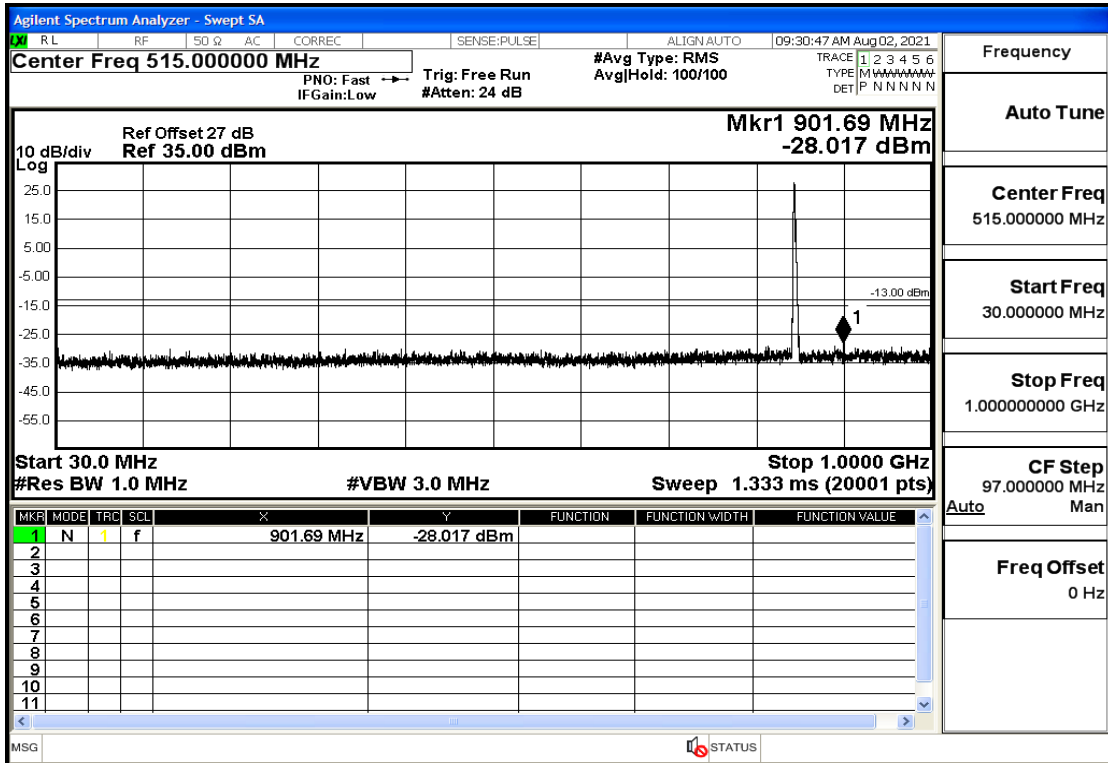
OB5-3-847.5-QPSK-15#LOW@30mHz-1GHz@Pass



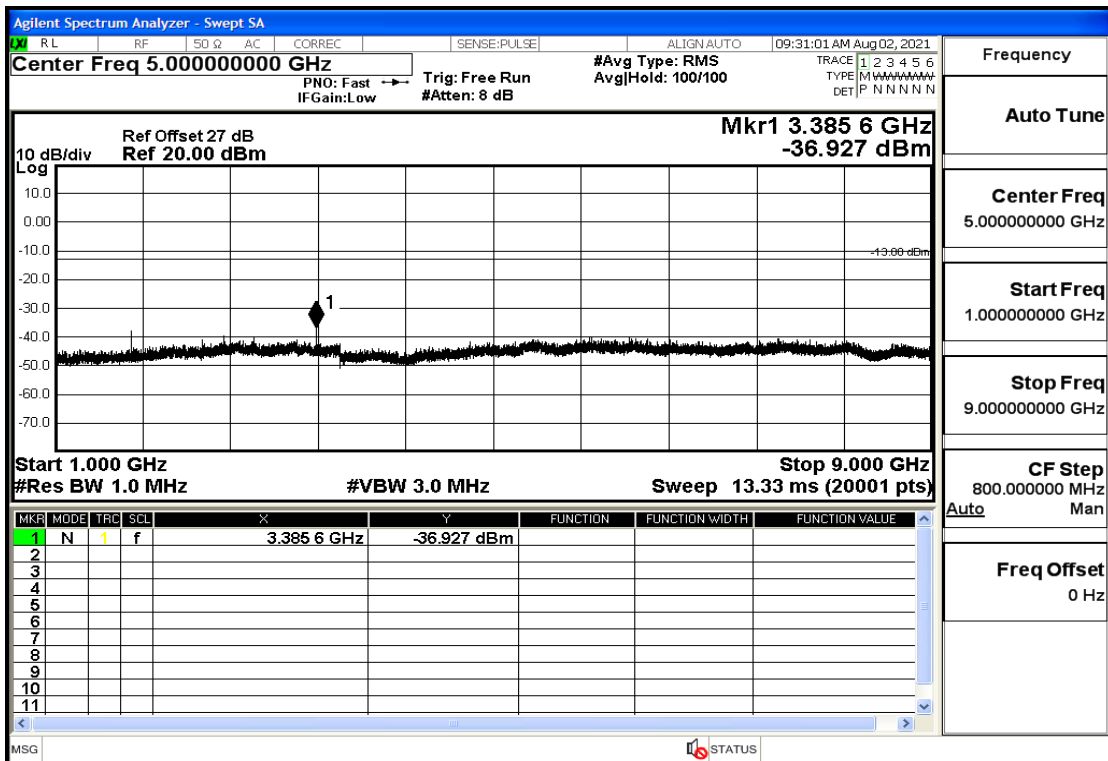
OB5-3-847.5-QPSK-15#LOW@1GHz-9GHz@Pass



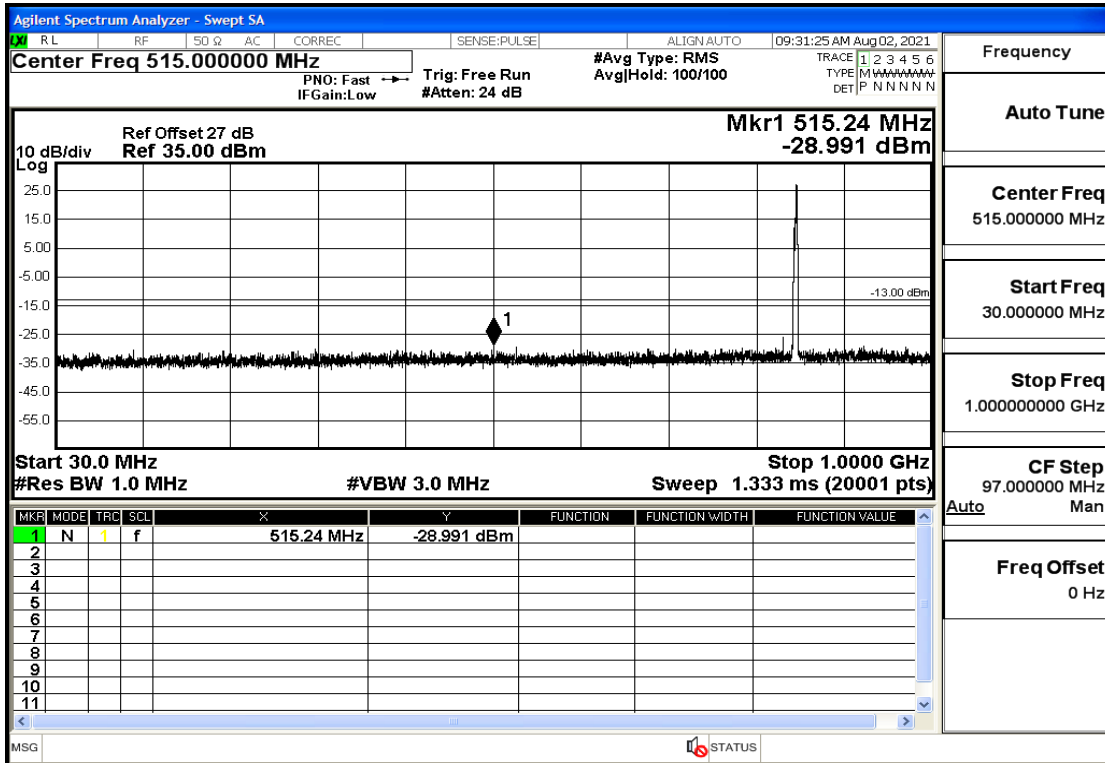
OB5-3-847.5-QPSK-1#LOW@30mHz-1GHz@Pass



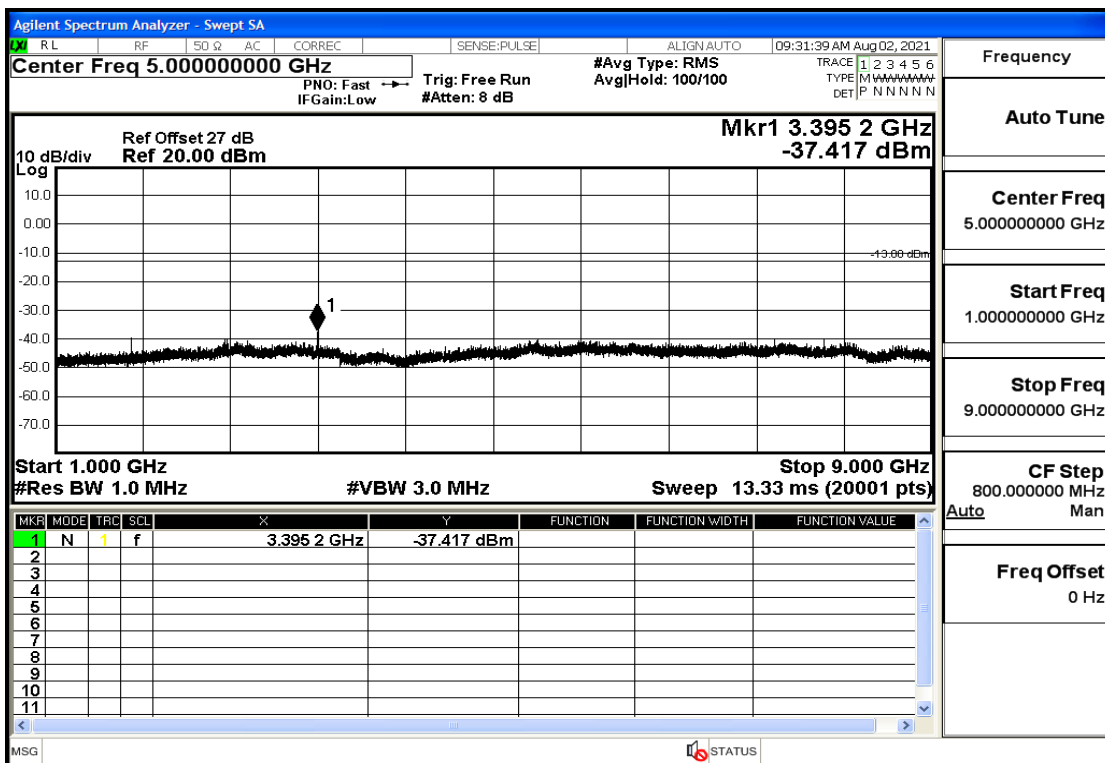
OB5-3-847.5-QPSK-1#LOW@1GHz-9GHz@Pass



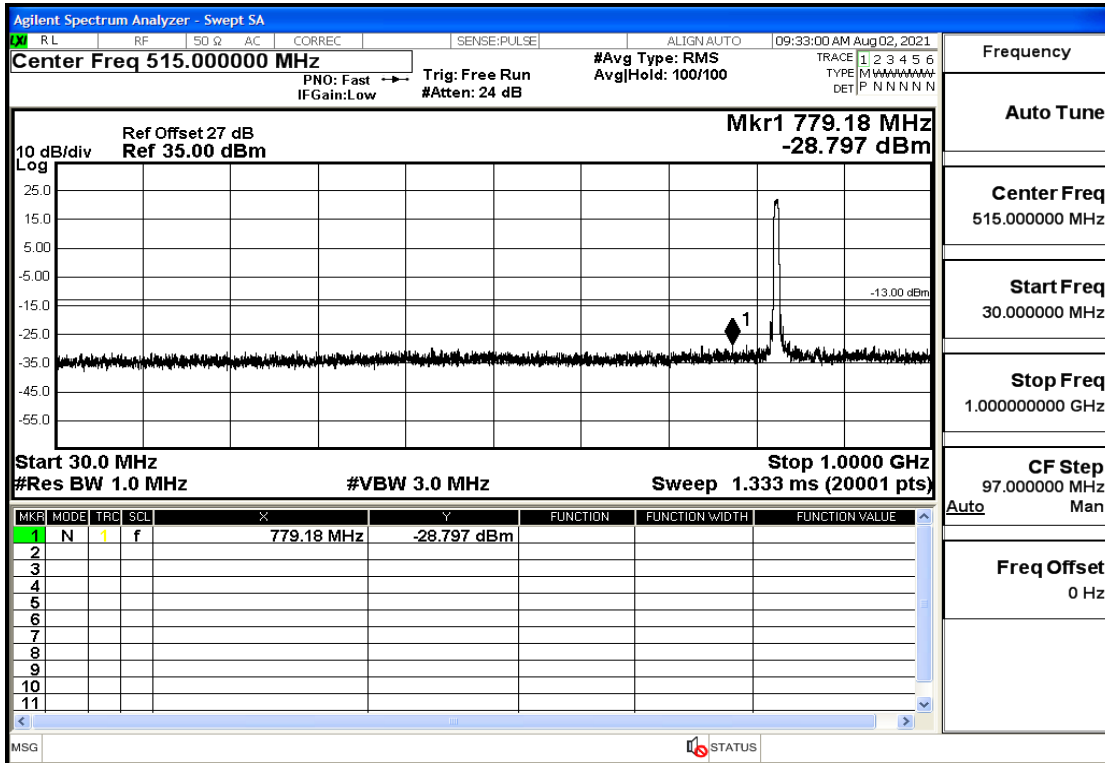
OB5-3-847.5-QPSK-1#HIGH@30mHz-1GHz@Pass



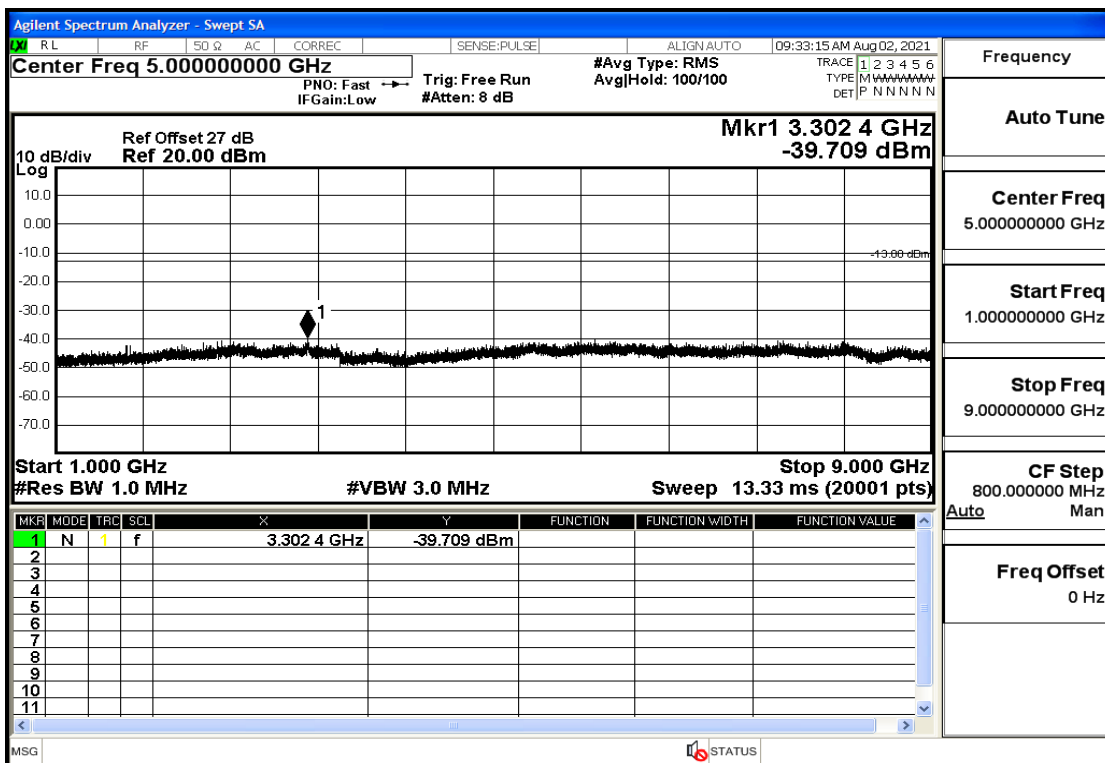
OB5-3-847.5-QPSK-1#HIGH@1GHz-9GHz@Pass



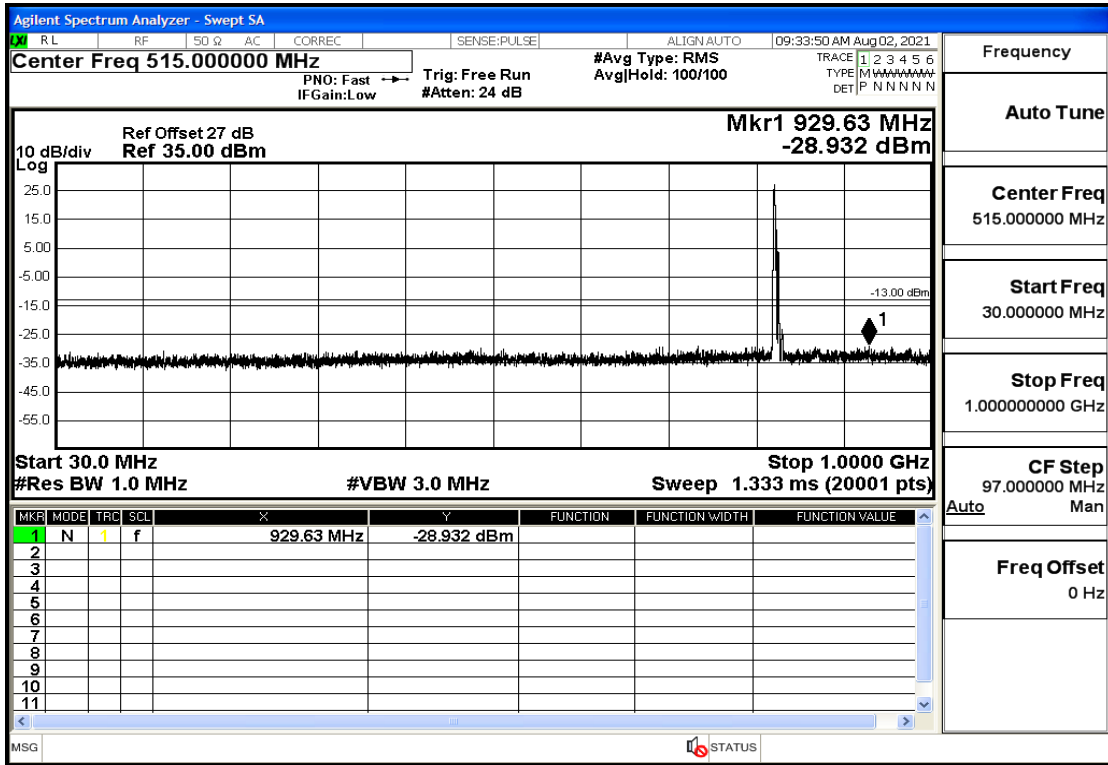
OB5-5-826.5-QPSK-25#LOW@30mHz-1GHz@Pass



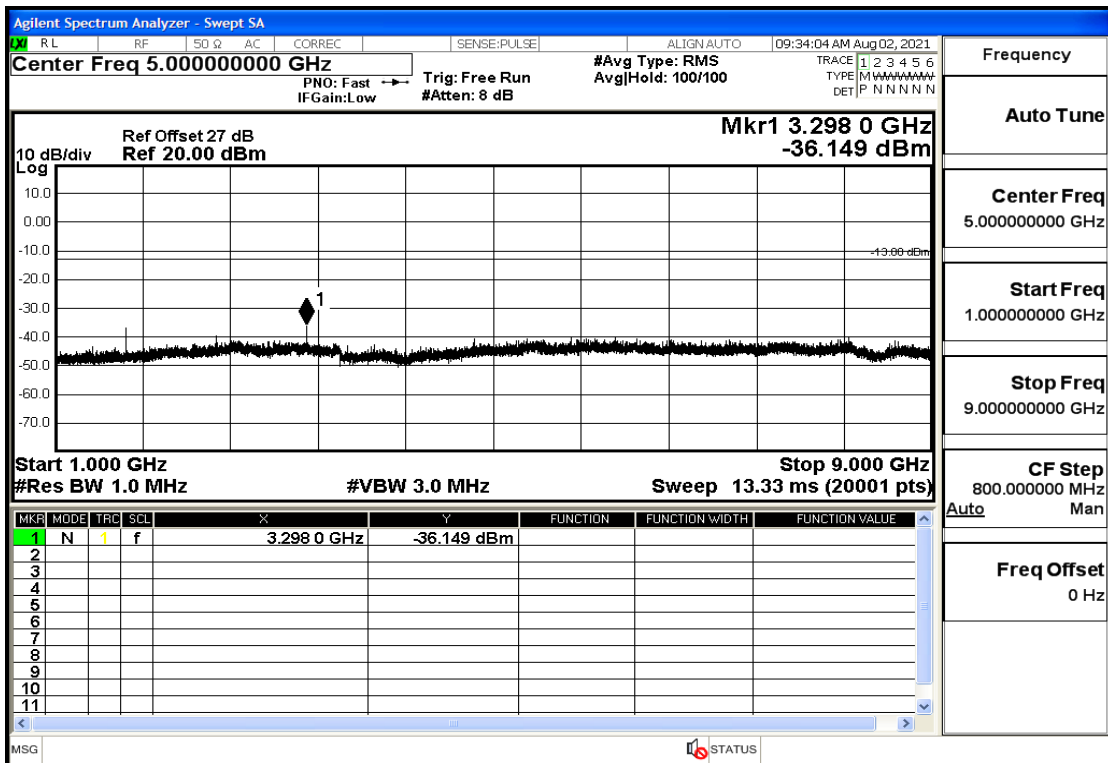
OB5-5-826.5-QPSK-25#LOW@1GHz-9GHz@Pass



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

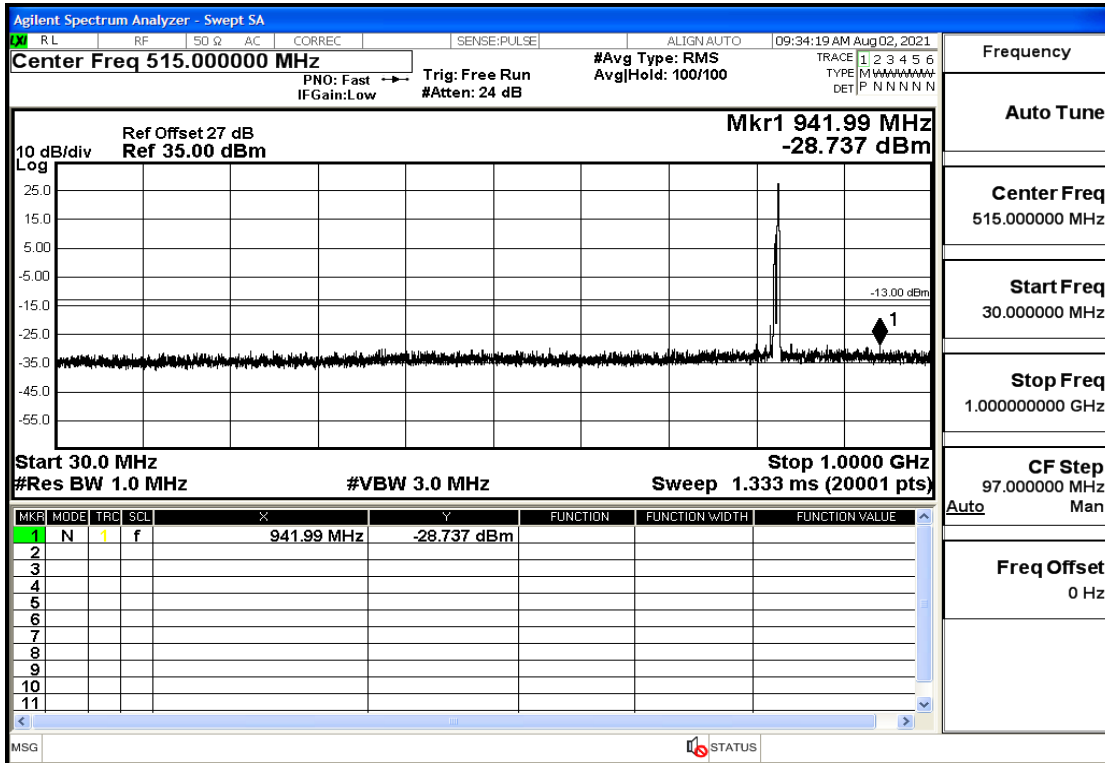


OB5-5-826.5-QPSK-1#LOW@1GHz-9GHz@Pass

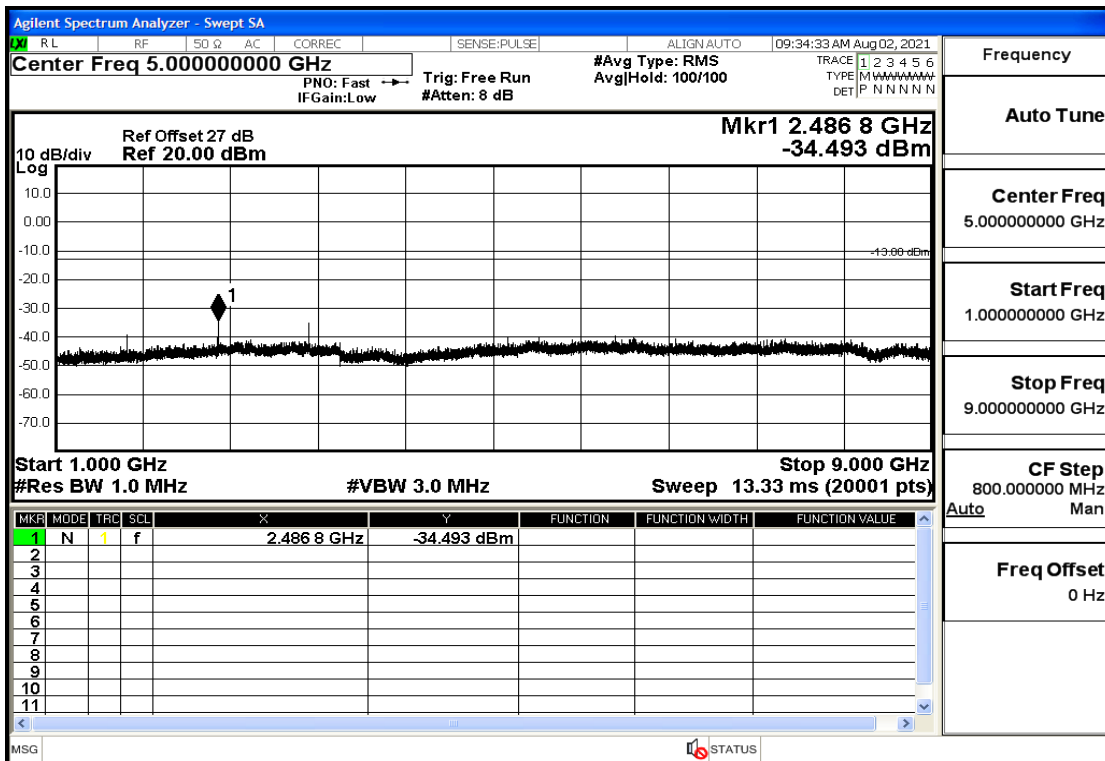




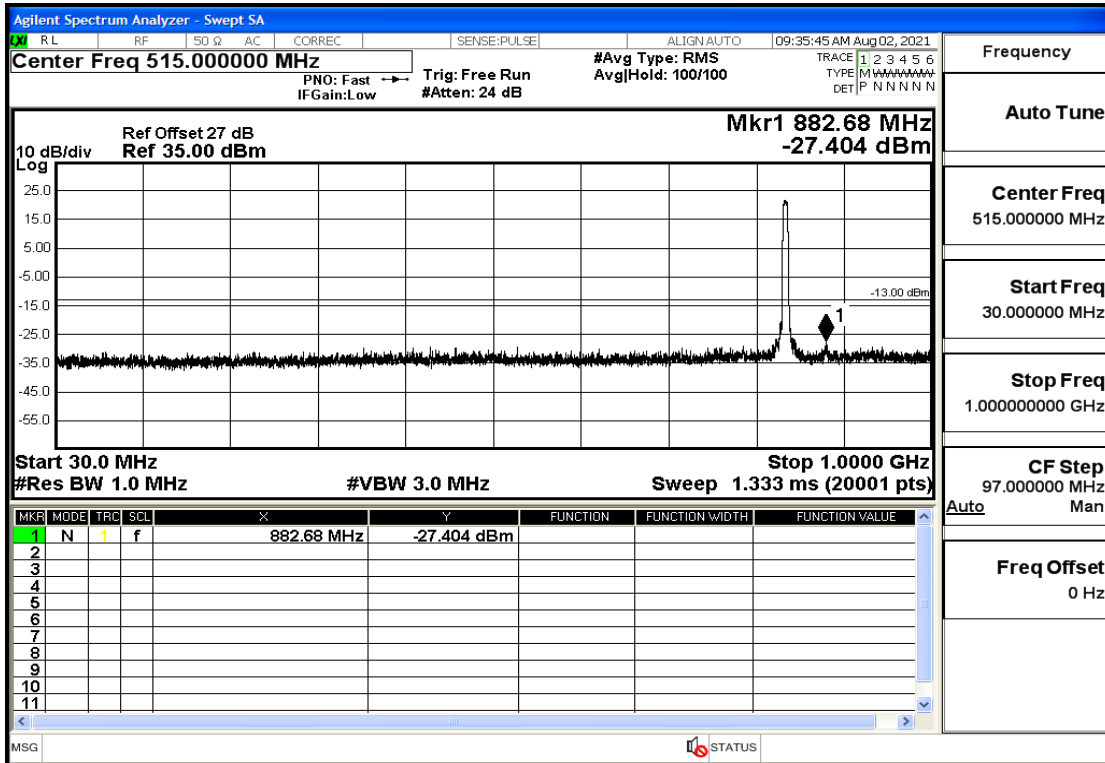
OB5-5-826.5-QPSK-1#HIGH@30mHz-1GHz@Pass



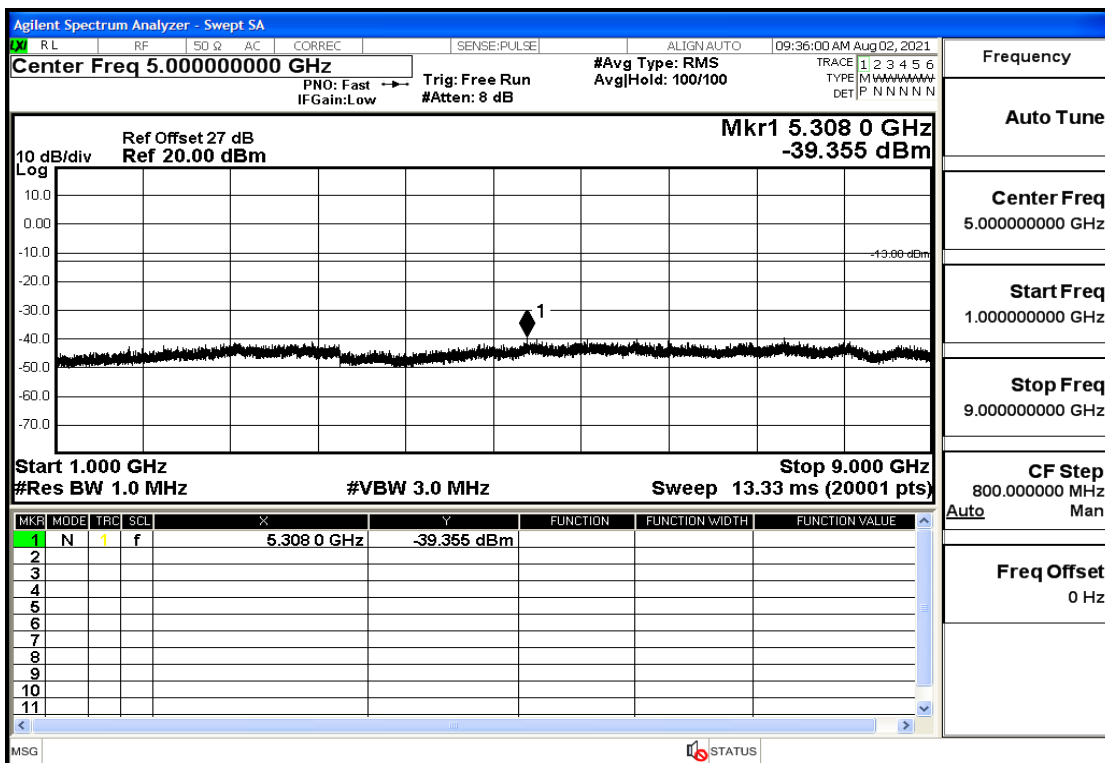
OB5-5-826.5-QPSK-1#HIGH@1GHz-9GHz@Pass



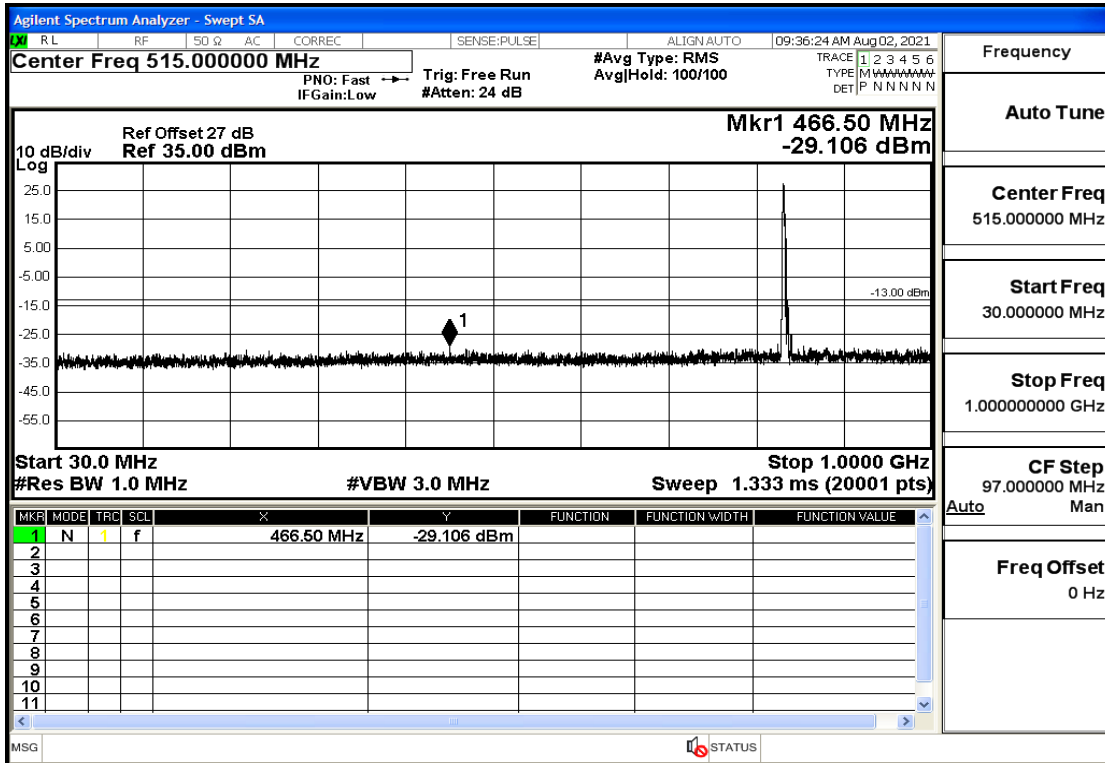
OB5-5-836.5-QPSK-25#LOW@30mHz-1GHz@Pass



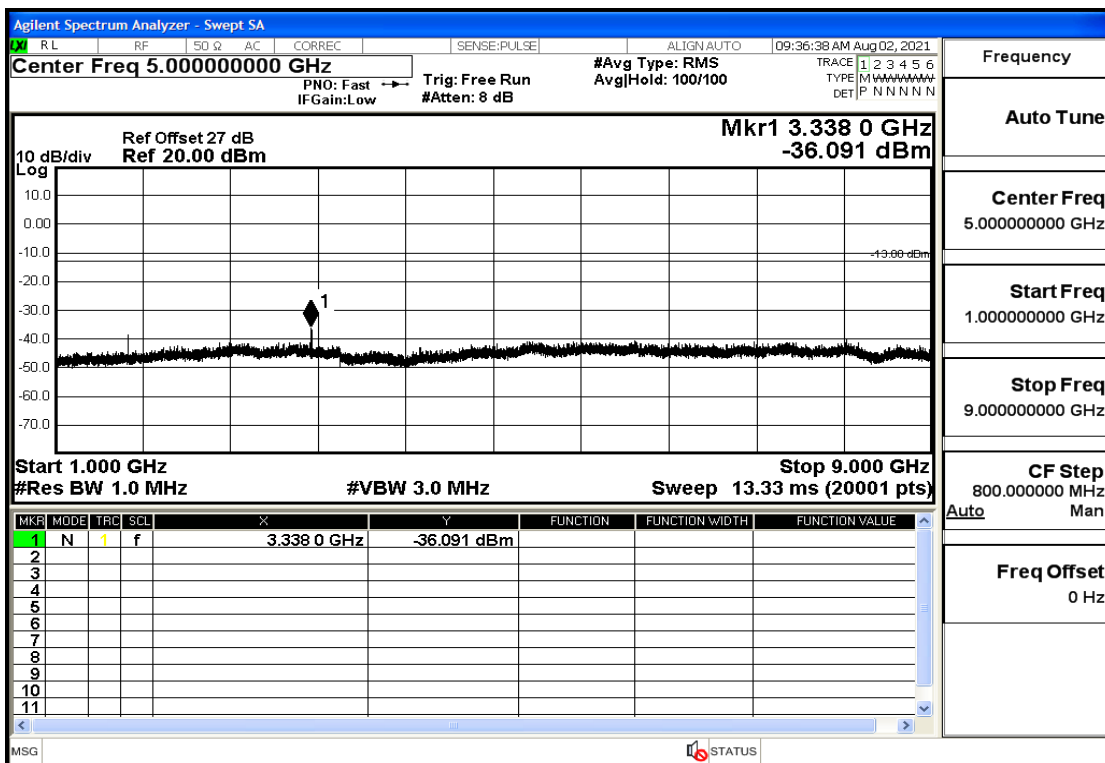
OB5-5-836.5-QPSK-25#LOW@1GHz-9GHz@Pass



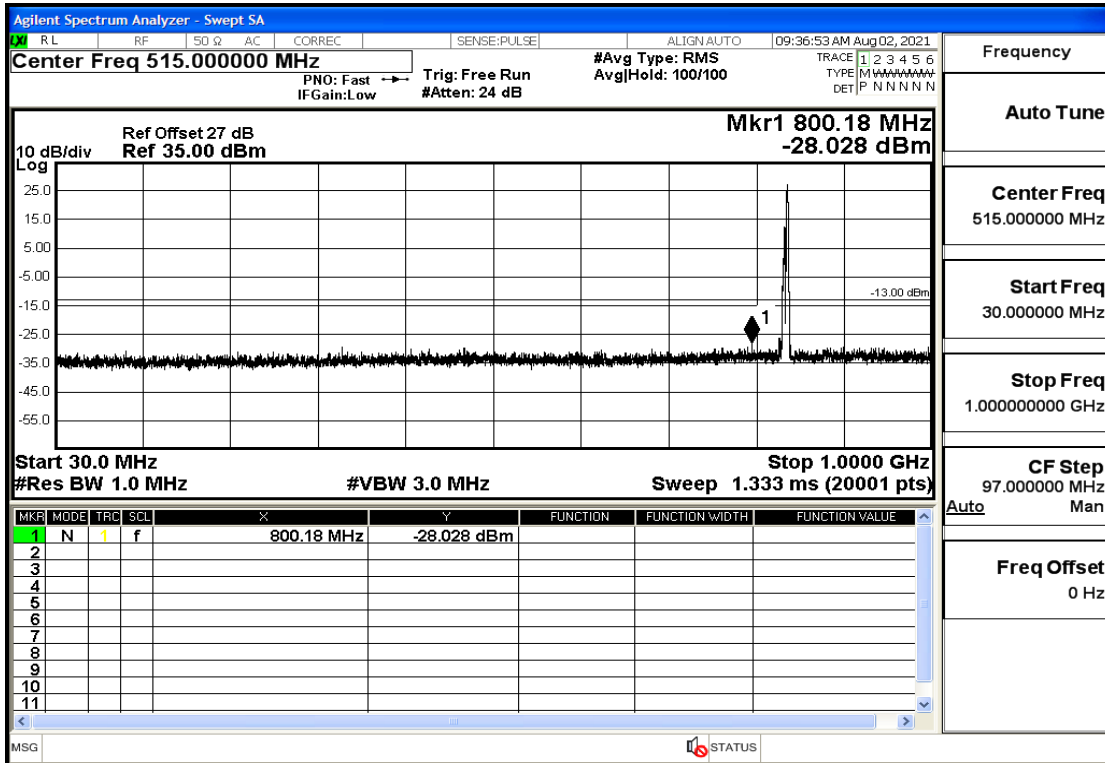
OB5-5-836.5-QPSK-1#LOW@30mHz-1GHz@Pass



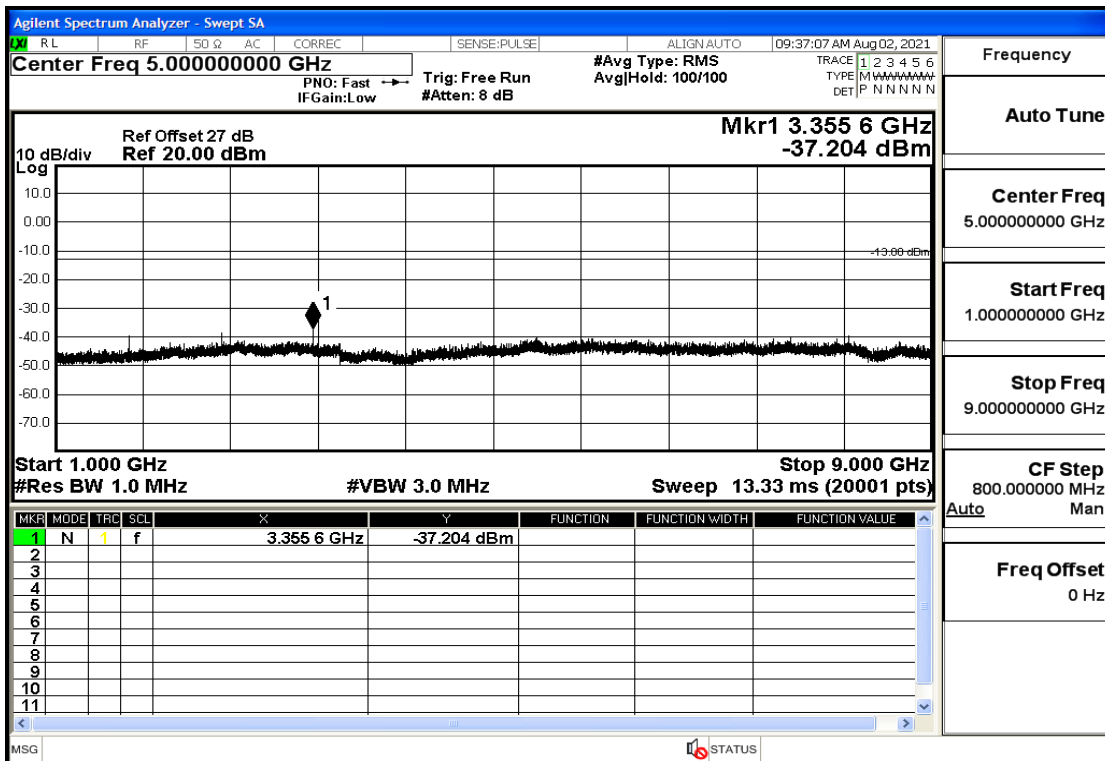
OB5-5-836.5-QPSK-1#LOW@1GHz-9GHz@Pass



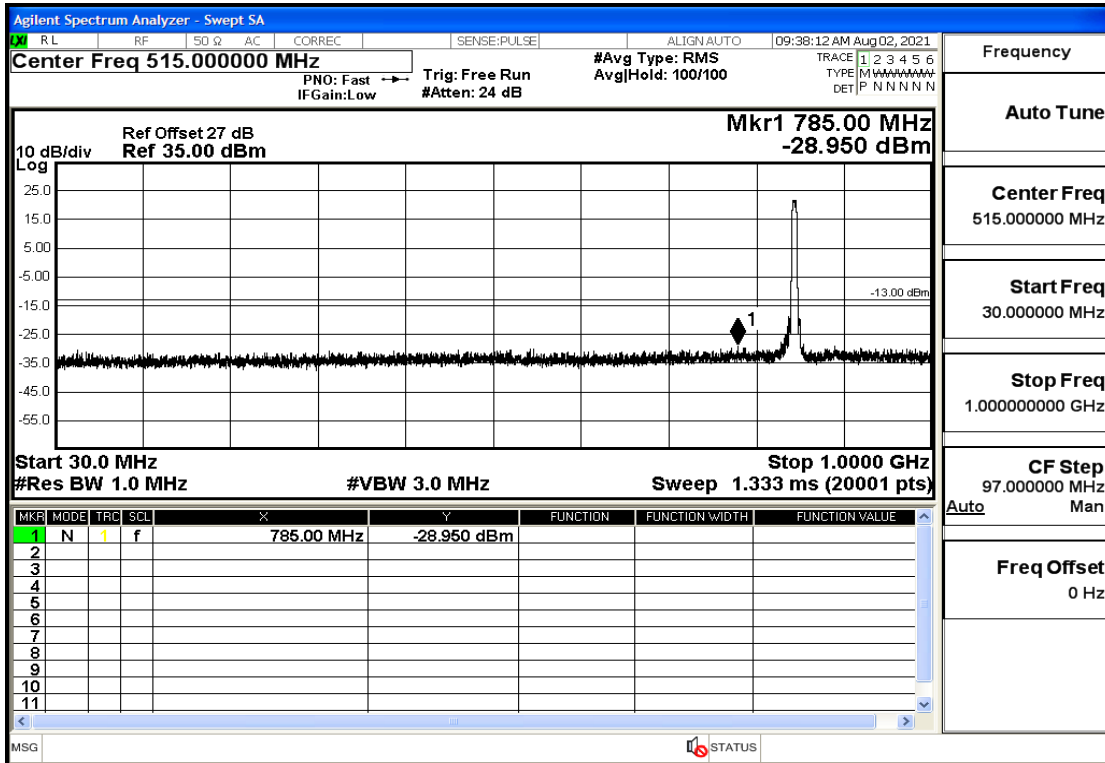
OB5-5-836.5-QPSK-1#HIGH@30mHz-1GHz@Pass



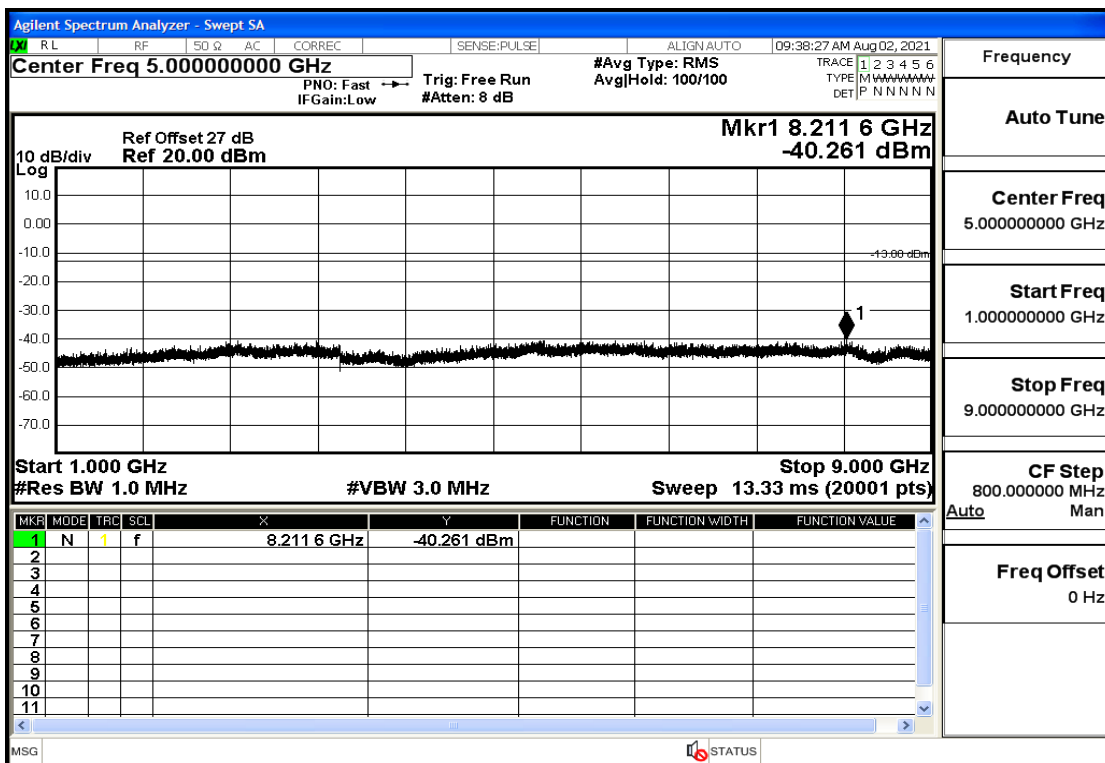
OB5-5-836.5-QPSK-1#HIGH@1GHz-9GHz@Pass



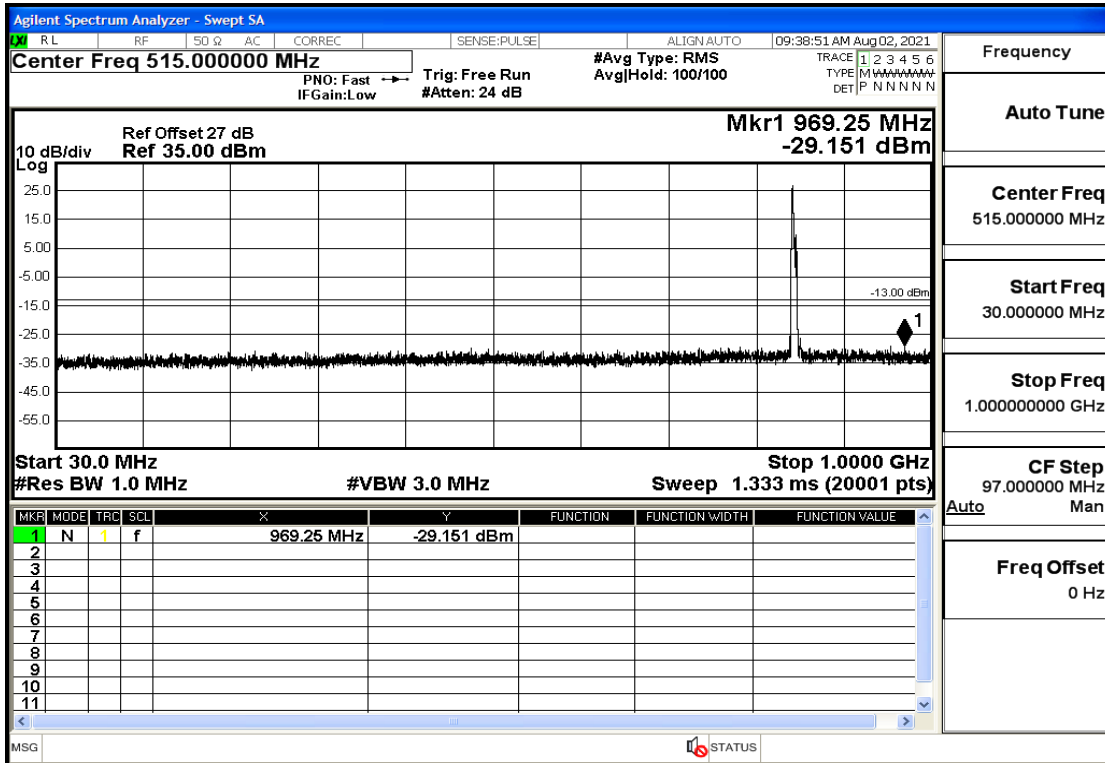
OB5-5-846.5-QPSK-25#LOW@30mHz-1GHz@Pass



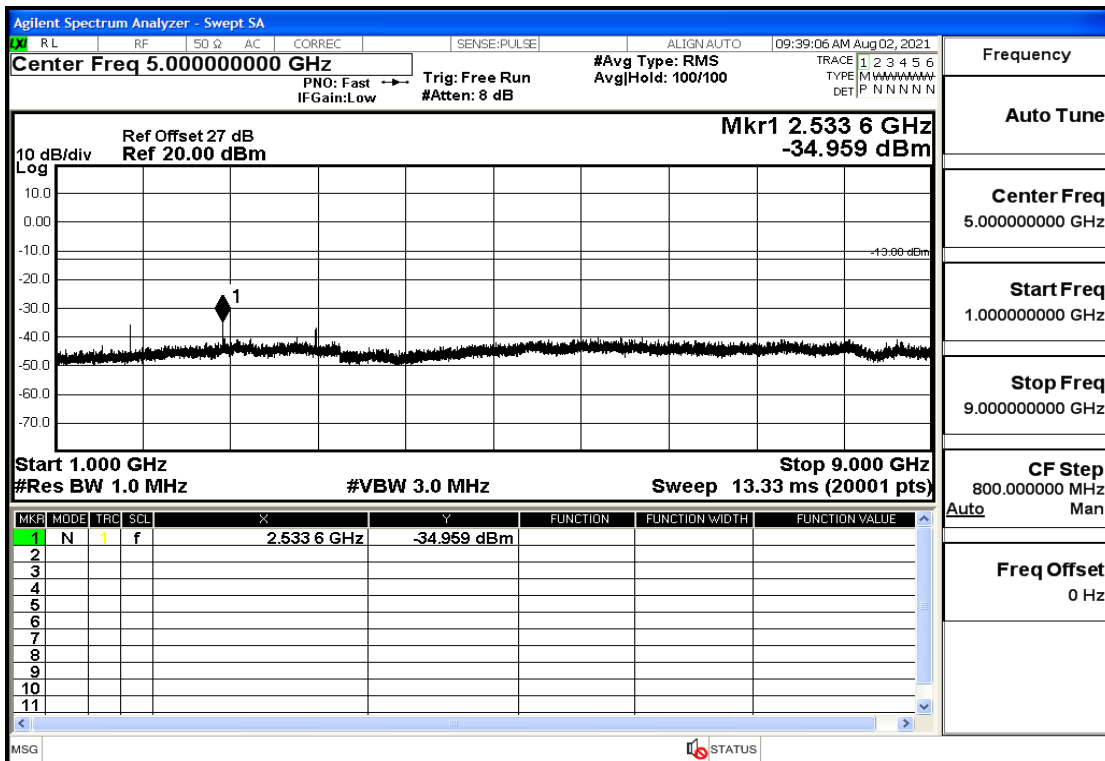
OB5-5-846.5-QPSK-25#LOW@1GHz-9GHz@Pass



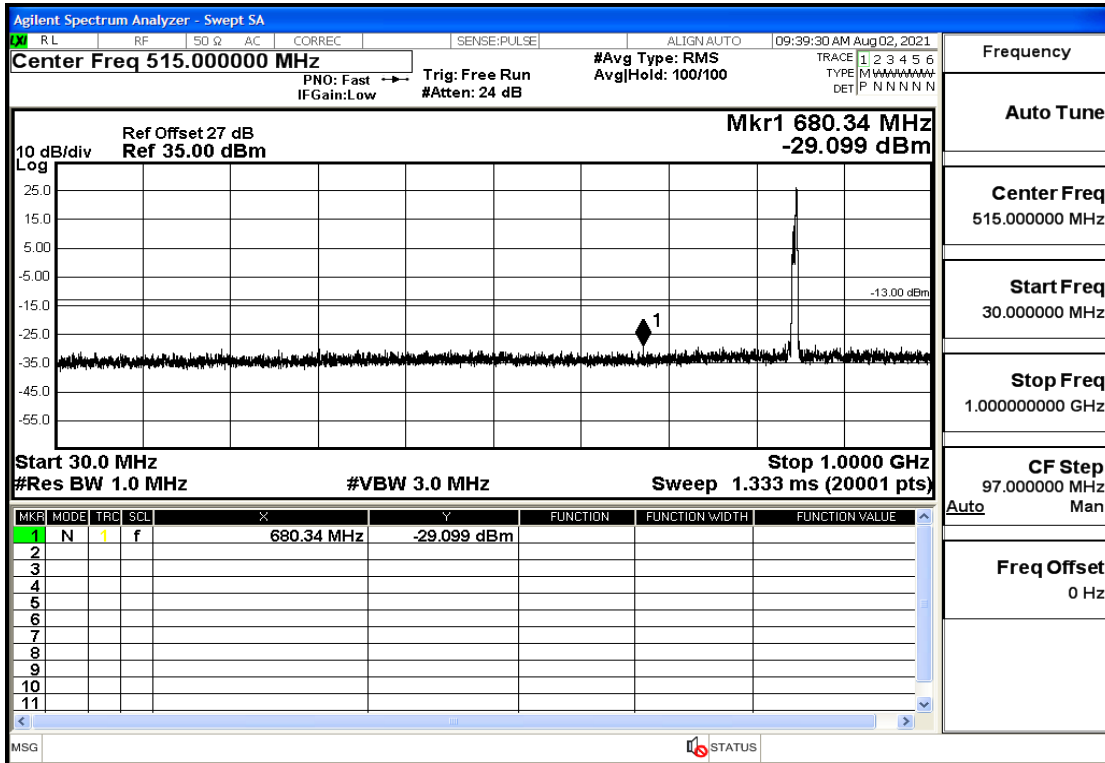
OB5-5-846.5-QPSK-1#LOW@30mHz-1GHz@Pass



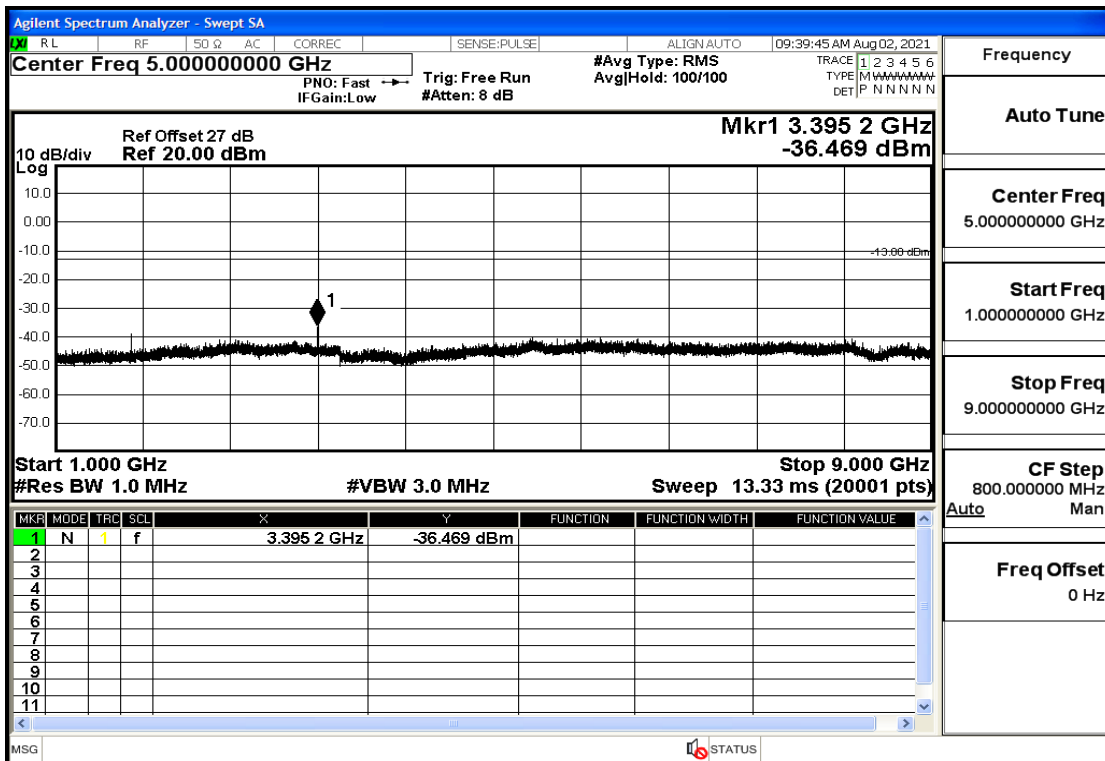
OB5-5-846.5-QPSK-1#LOW@1GHz-9GHz@Pass



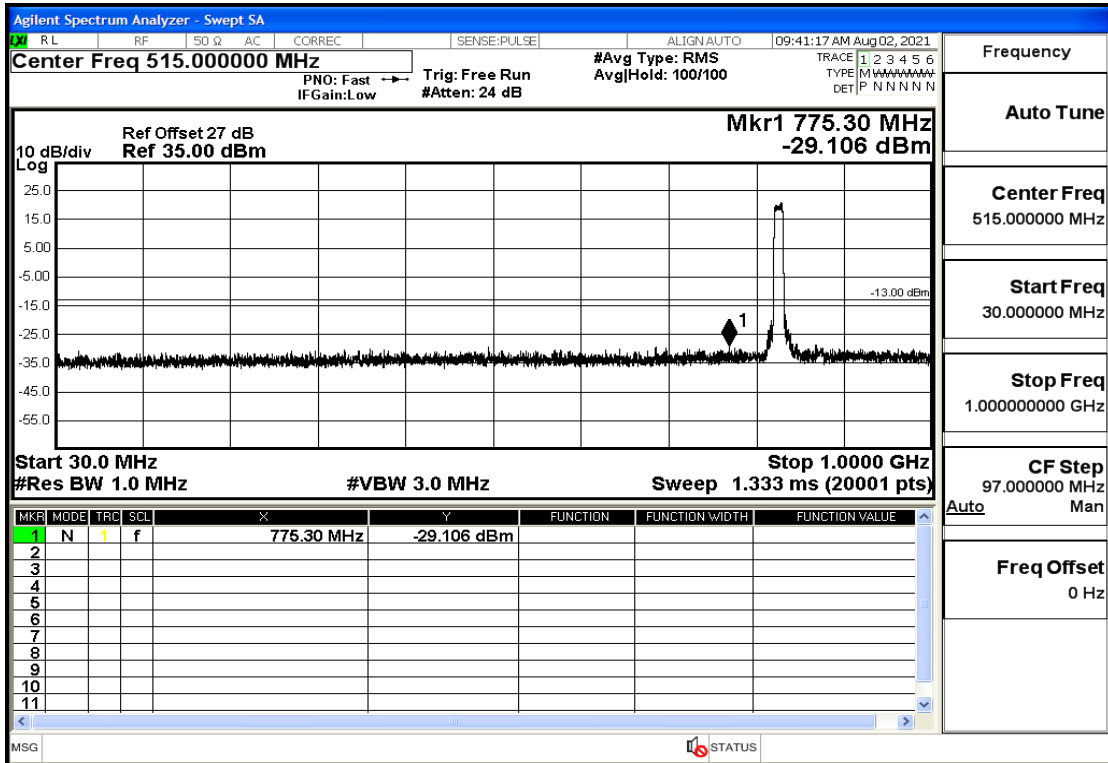
OB5-5-846.5-QPSK-1#HIGH@30mHz-1GHz@Pass



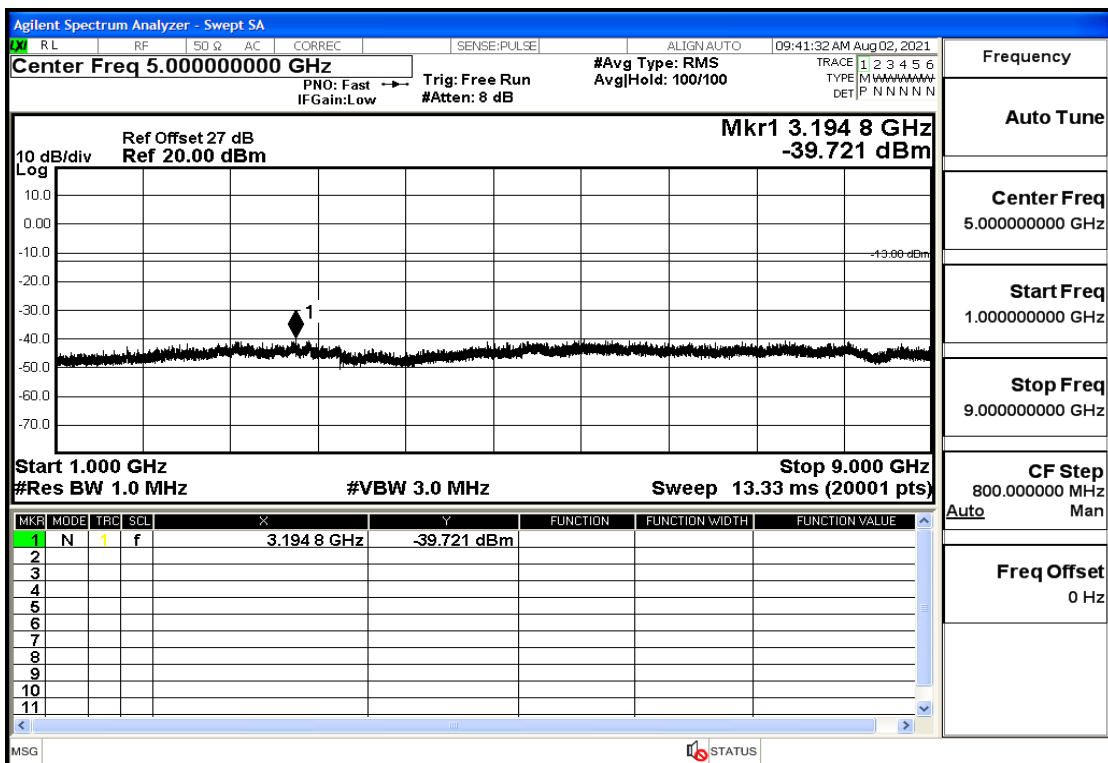
OB5-5-846.5-QPSK-1#HIGH@1GHz-9GHz@Pass



OB5-10-829-QPSK-50#LOW@30mHz-1GHz@Pass

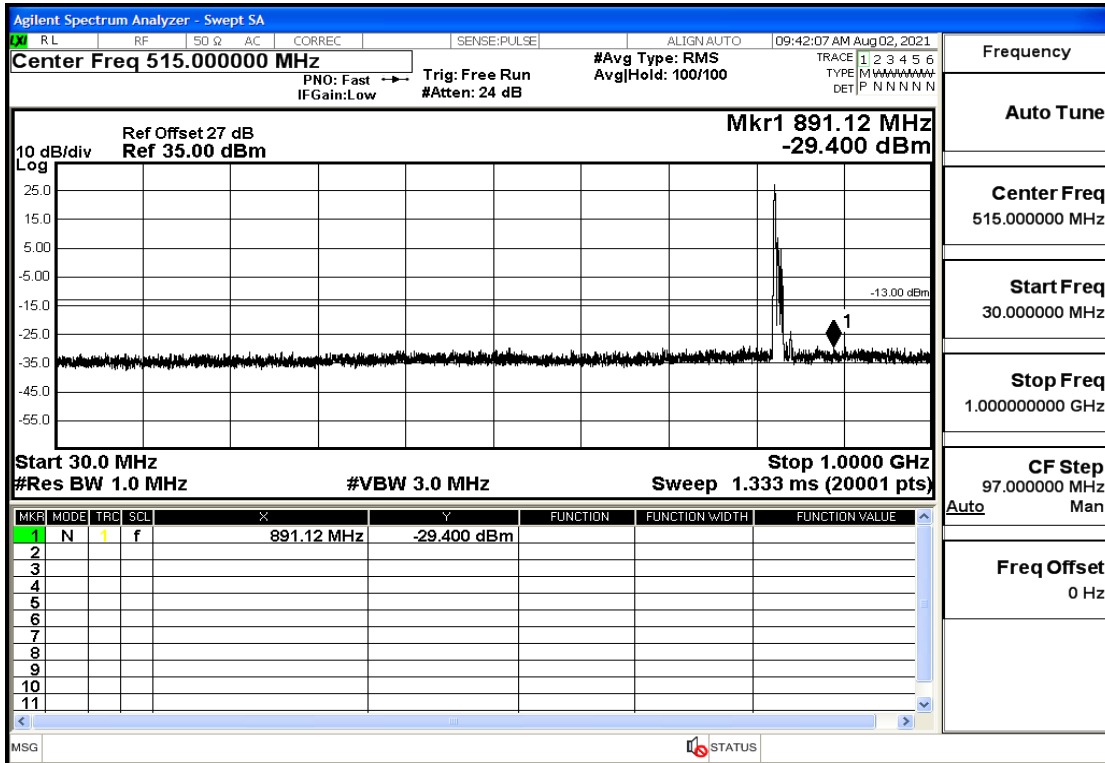


OB5-10-829-QPSK-50#LOW@1GHz-9GHz@Pass

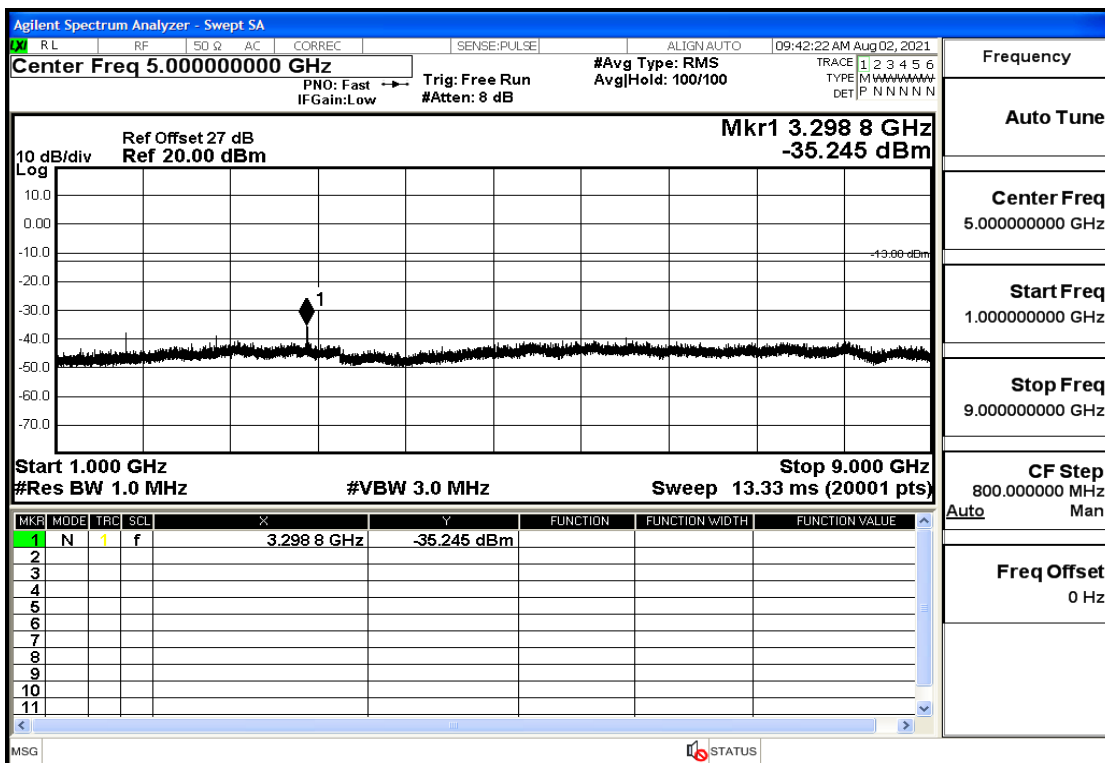




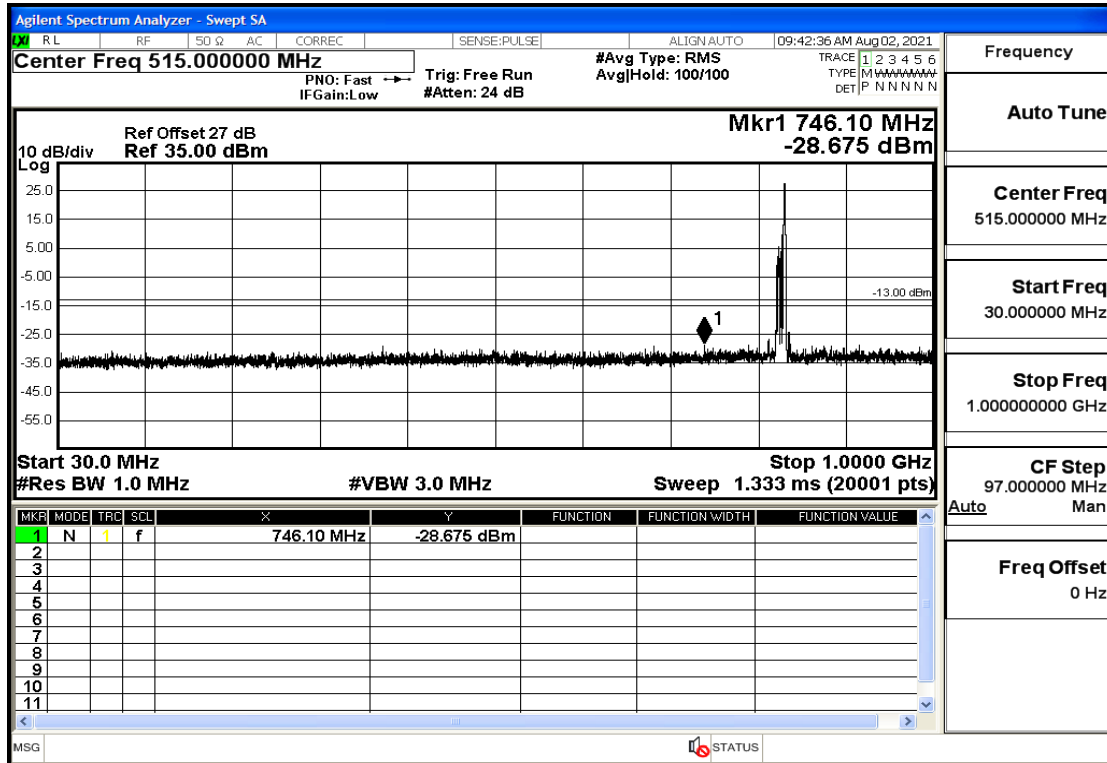
OB5-10-829-QPSK-1#LOW@30mHz-1GHz@Pass



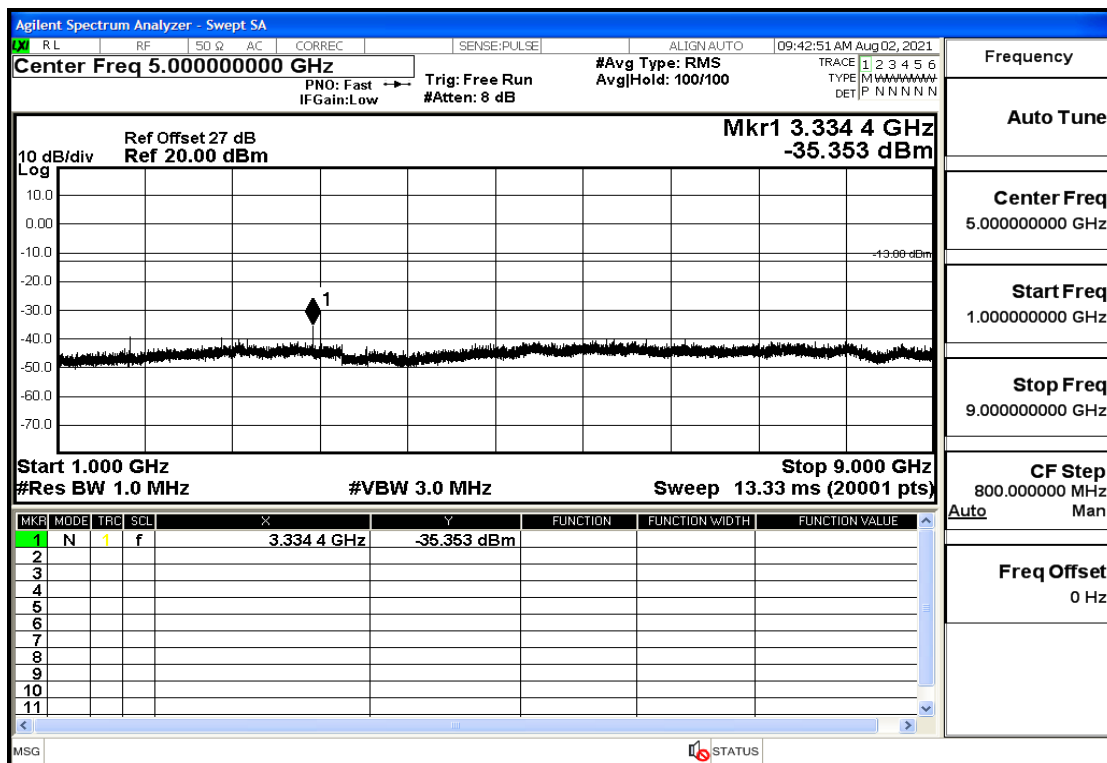
OB5-10-829-QPSK-1#LOW@1GHz-9GHz@Pass



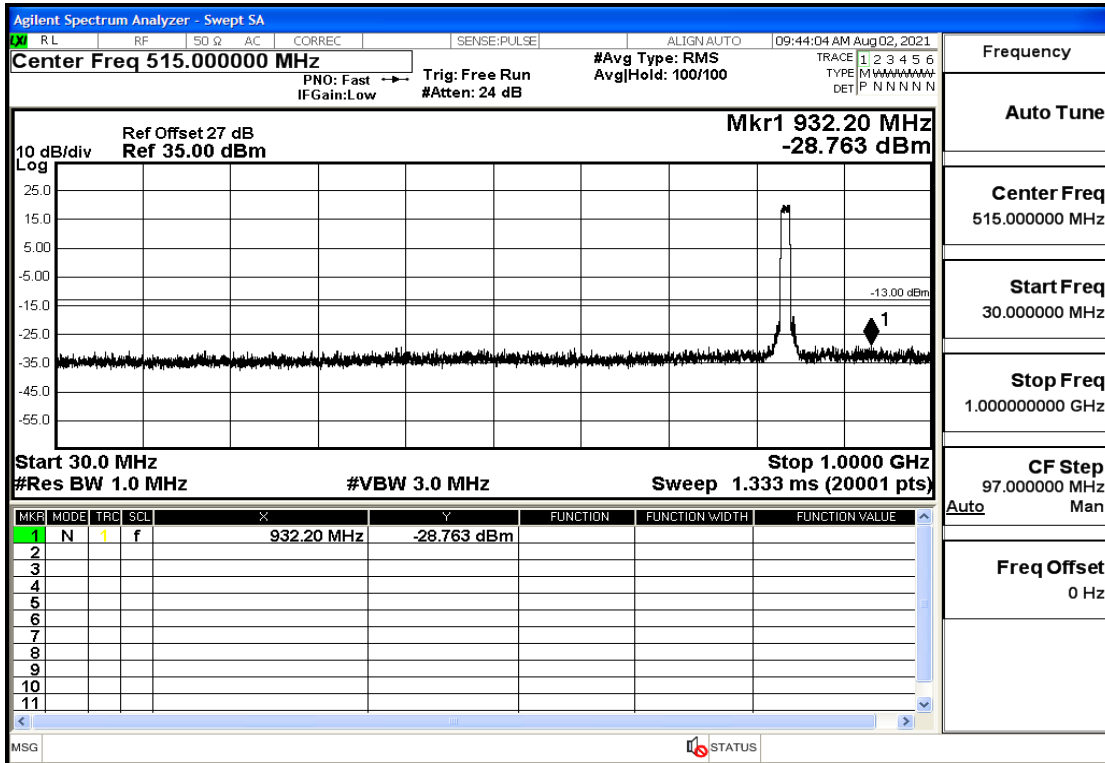
OB5-10-829-QPSK-1#HIGH@30mHz-1GHz@Pass



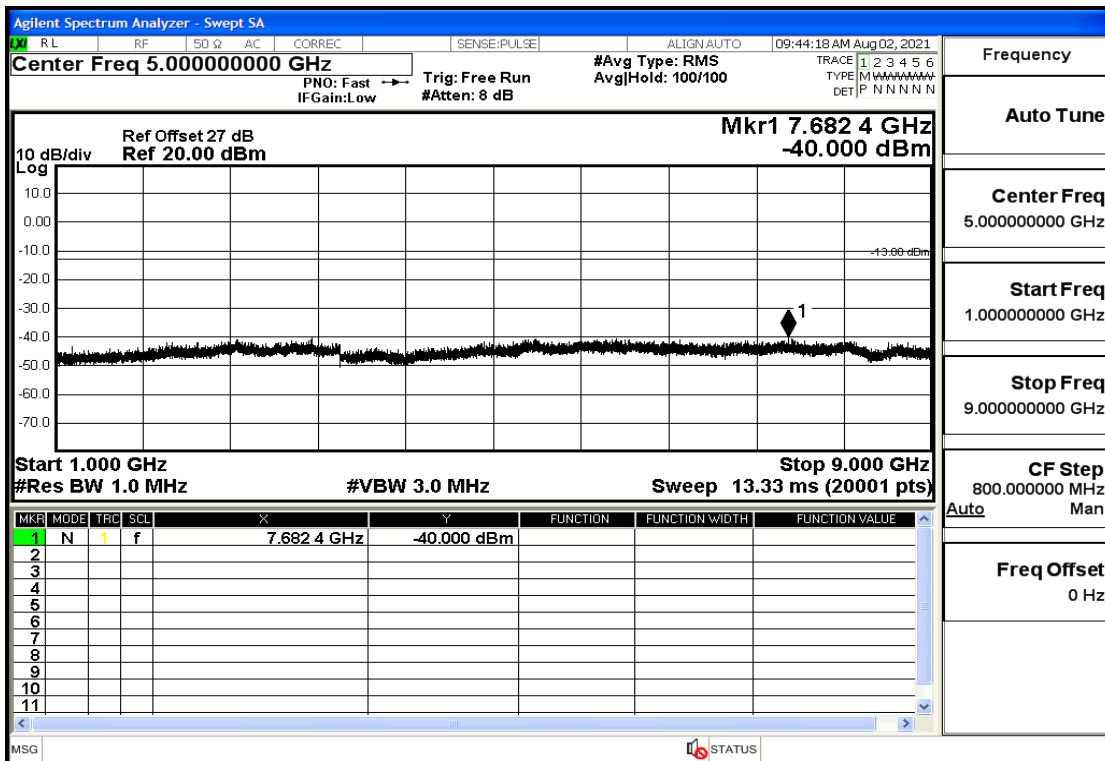
OB5-10-829-QPSK-1#HIGH@1GHz-9GHz@Pass



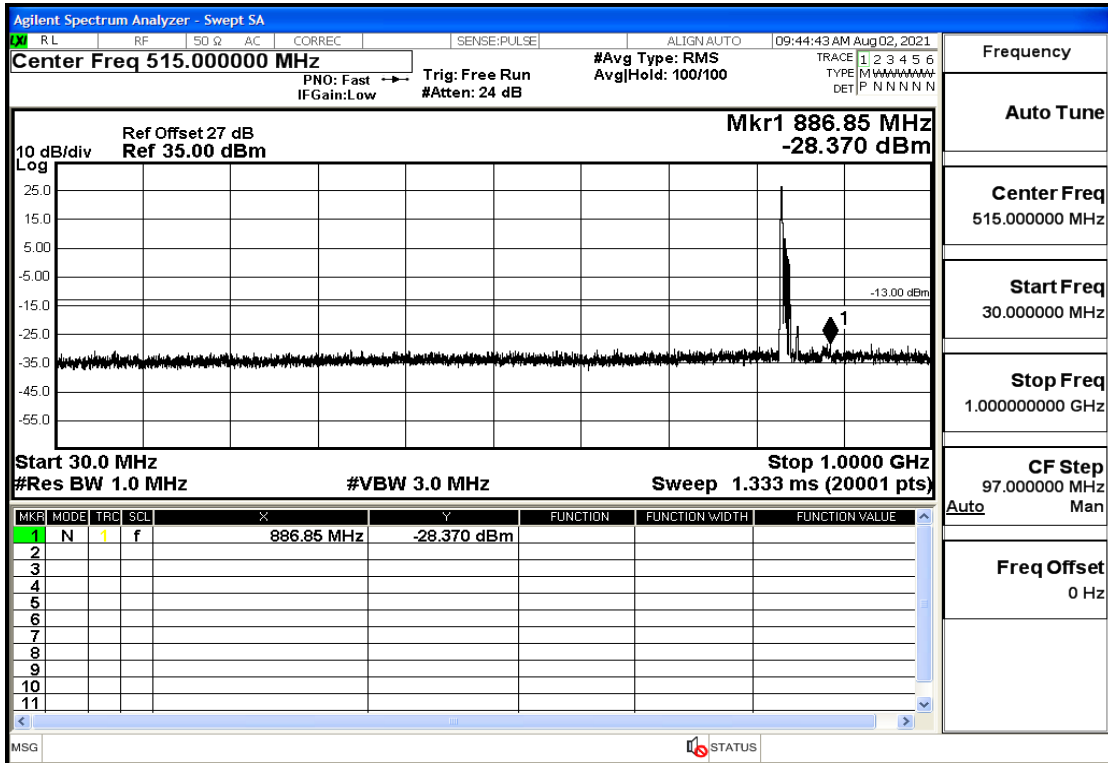
OB5-10-836.5-QPSK-50#LOW@30mHz-1GHz@Pass



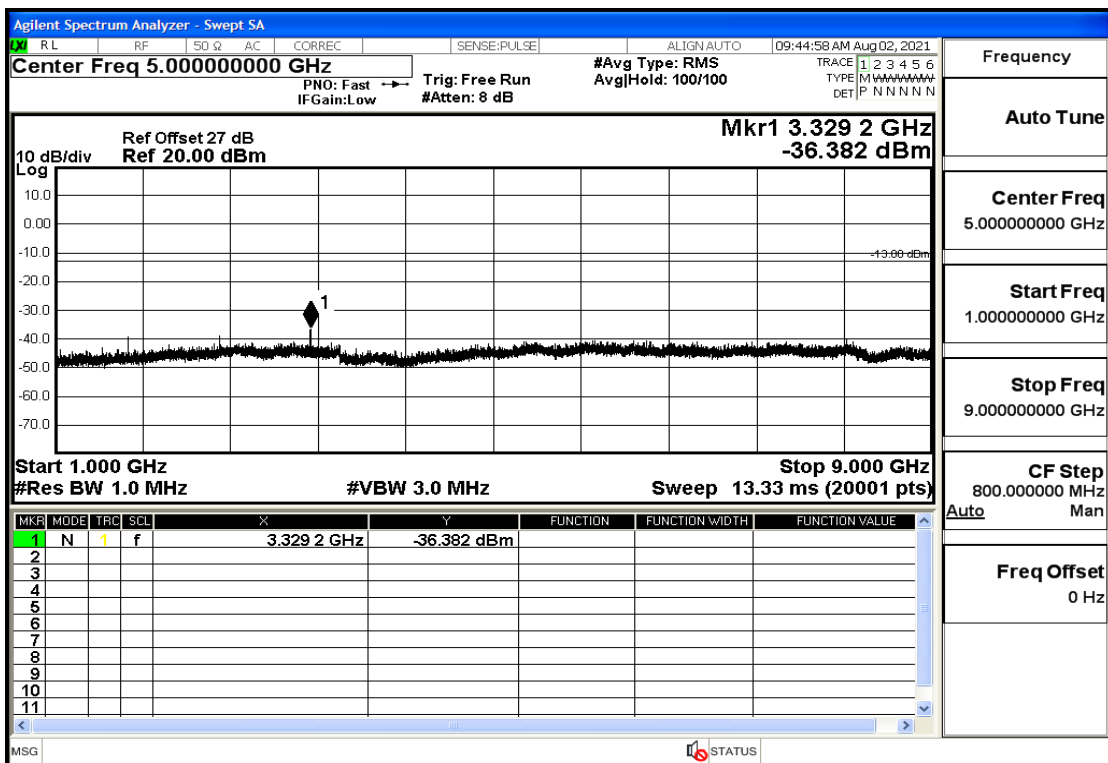
OB5-10-836.5-QPSK-50#LOW@1GHz-9GHz@Pass



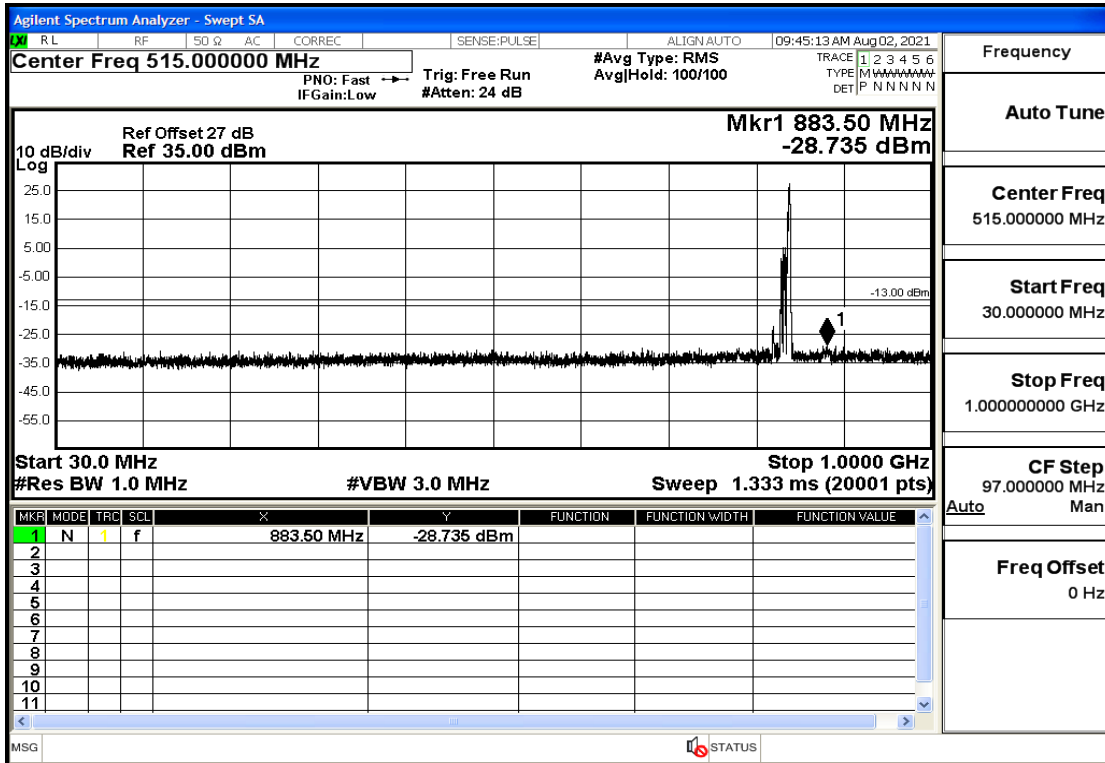
OB5-10-836.5-QPSK-1#LOW@30mHz-1GHz@Pass



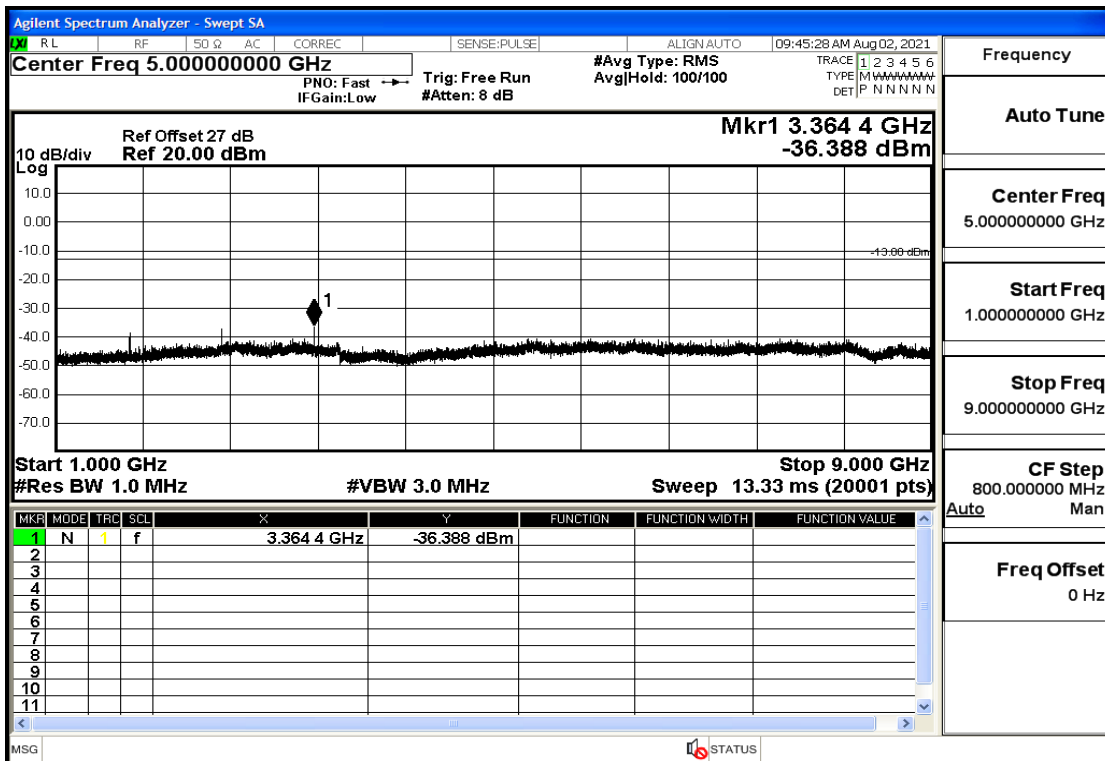
OB5-10-836.5-QPSK-1#LOW@1GHz-9GHz@Pass



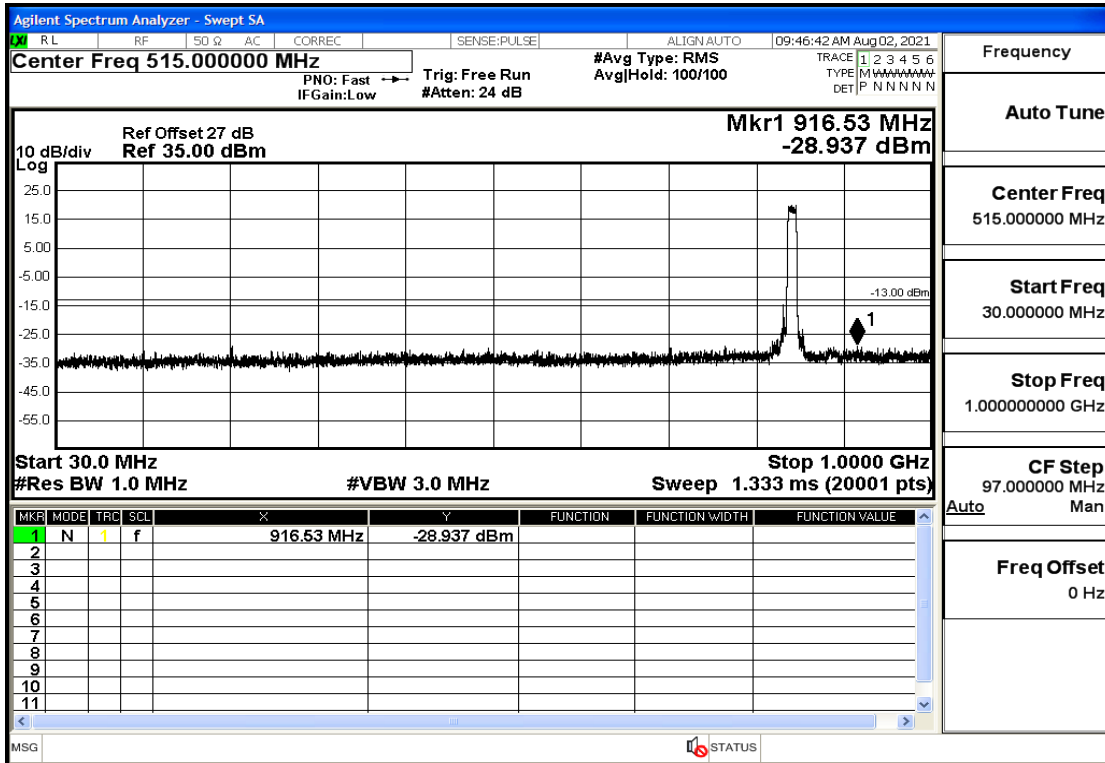
OB5-10-836.5-QPSK-1#HIGH@30mHz-1GHz@Pass



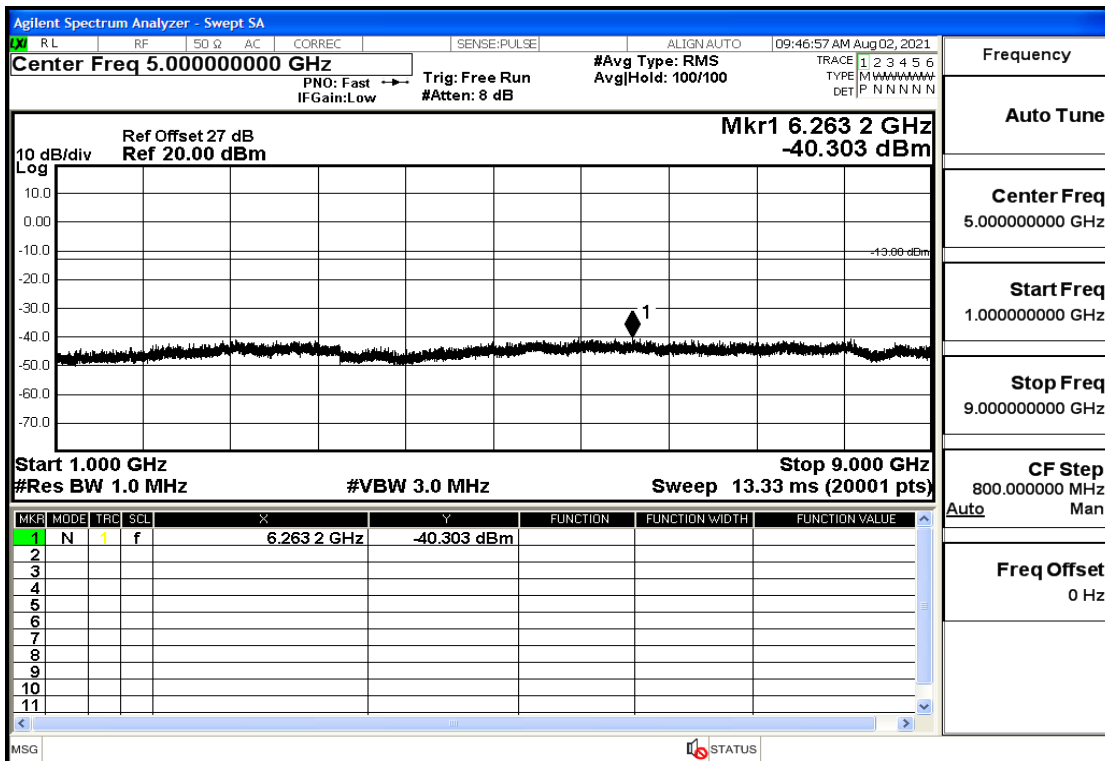
OB5-10-836.5-QPSK-1#HIGH@1GHz-9GHz@Pass



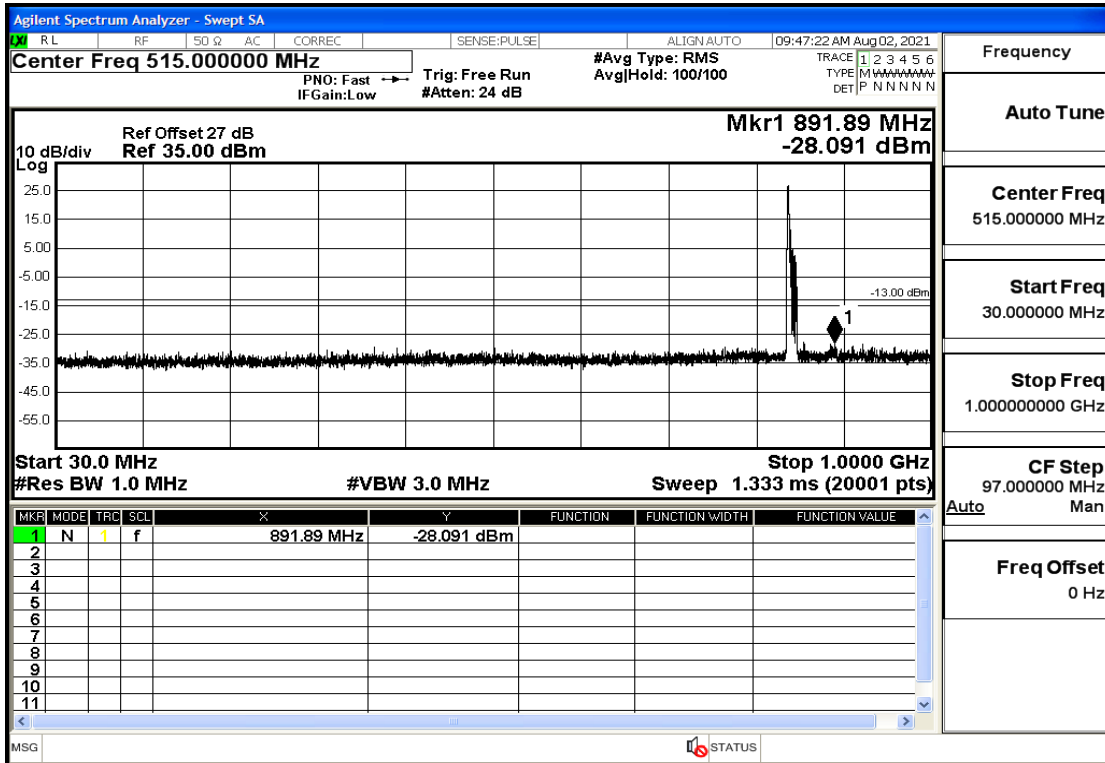
OB5-10-844-QPSK-50#LOW@30mHz-1GHz@Pass



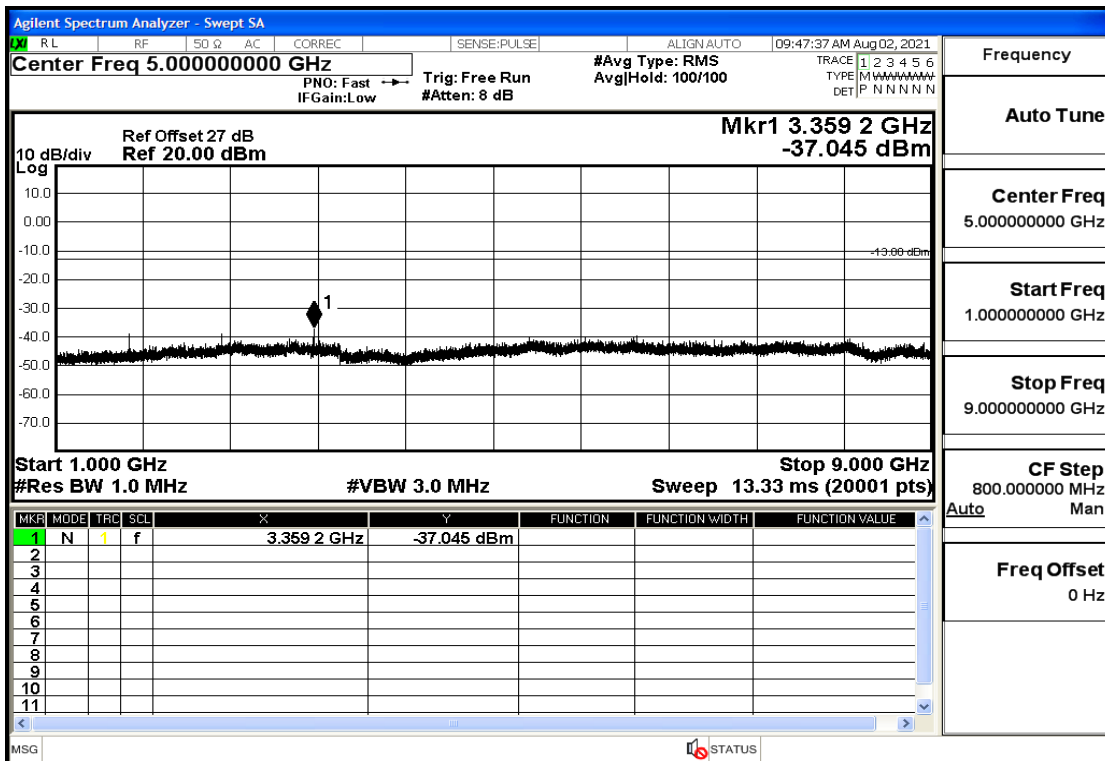
OB5-10-844-QPSK-50#LOW@1GHz-9GHz@Pass



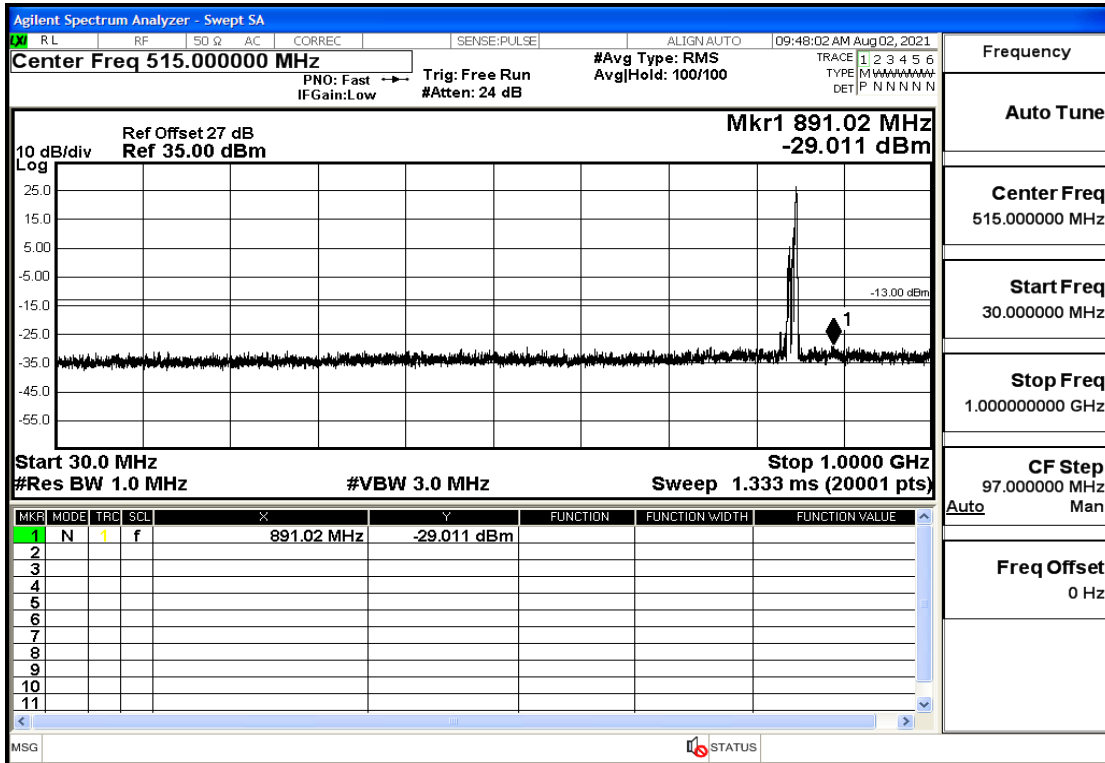
OB5-10-844-QPSK-1#LOW@30mHz-1GHz@Pass



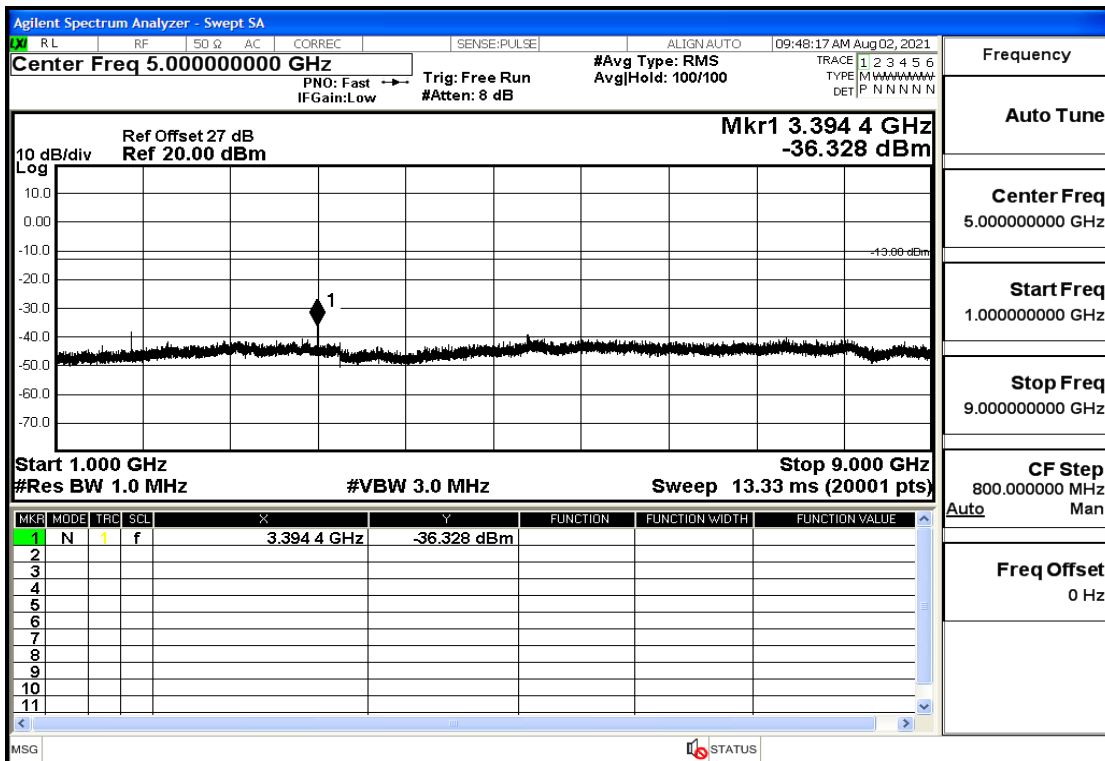
OB5-10-844-QPSK-1#LOW@1GHz-9GHz@Pass



OB5-10-844-QPSK-1#HIGH@30mHz-1GHz@Pass



OB5-10-844-QPSK-1#HIGH@1GHz-9GHz@Pass

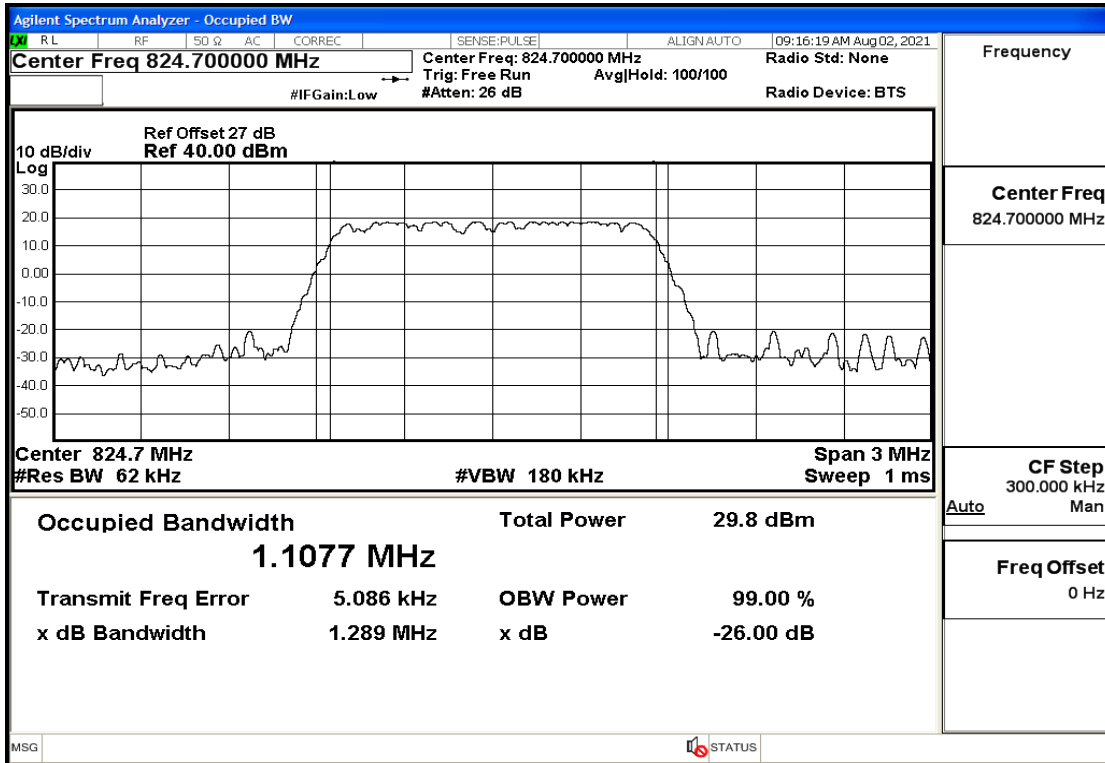




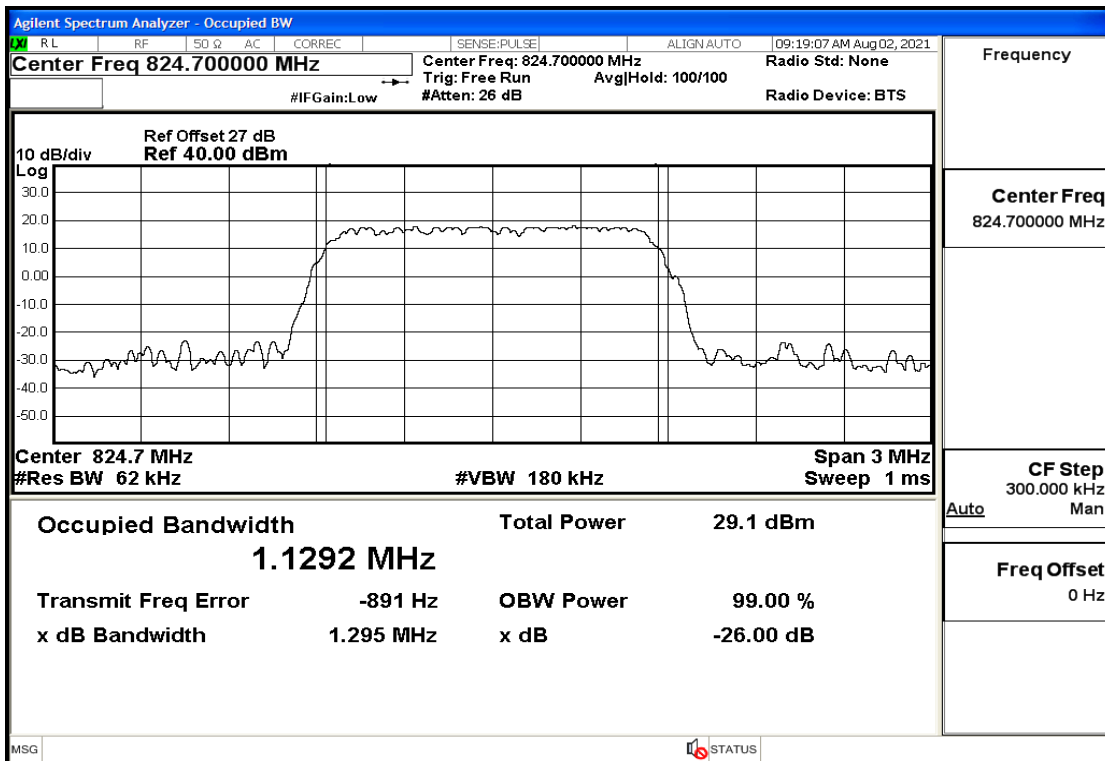
### Emission bandwidth and OBW

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	1107.7	1289	No limit
Band5	1.4	824.7	16QAM	6	LOW	1129.2	1295	No limit
Band5	1.4	836.5	QPSK	6	LOW	1109.3	1279	No limit
Band5	1.4	836.5	16QAM	6	LOW	1116.9	1297	No limit
Band5	1.4	848.3	QPSK	6	LOW	1128.4	1276	No limit
Band5	1.4	848.3	16QAM	6	LOW	1111.3	1282	No limit
Band5	3	825.5	QPSK	15	LOW	2746.5	3115	No limit
Band5	3	825.5	16QAM	15	LOW	2752.1	3126	No limit
Band5	3	836.5	QPSK	15	LOW	2745.3	3075	No limit
Band5	3	836.5	16QAM	15	LOW	2752.1	3113	No limit
Band5	3	847.5	QPSK	15	LOW	2752.1	3099	No limit
Band5	3	847.5	16QAM	15	LOW	2771.5	3043	No limit
Band5	5	826.5	QPSK	25	LOW	4593.2	5048	No limit
Band5	5	826.5	16QAM	25	LOW	4562.5	5057	No limit
Band5	5	836.5	QPSK	25	LOW	4577.7	5060	No limit
Band5	5	836.5	16QAM	25	LOW	4569.9	5086	No limit
Band5	5	846.5	QPSK	25	LOW	4566.2	5055	No limit
Band5	5	846.5	16QAM	25	LOW	4566.3	5080	No limit
Band5	10	829	QPSK	50	LOW	9086.1	10050	No limit
Band5	10	829	16QAM	50	LOW	9102.2	10050	No limit
Band5	10	836.5	QPSK	50	LOW	9053.4	10170	No limit
Band5	10	836.5	16QAM	50	LOW	9073.2	9938	No limit
Band5	10	844	QPSK	50	LOW	9067.9	10090	No limit
Band5	10	844	16QAM	50	LOW	9061.2	10050	No limit

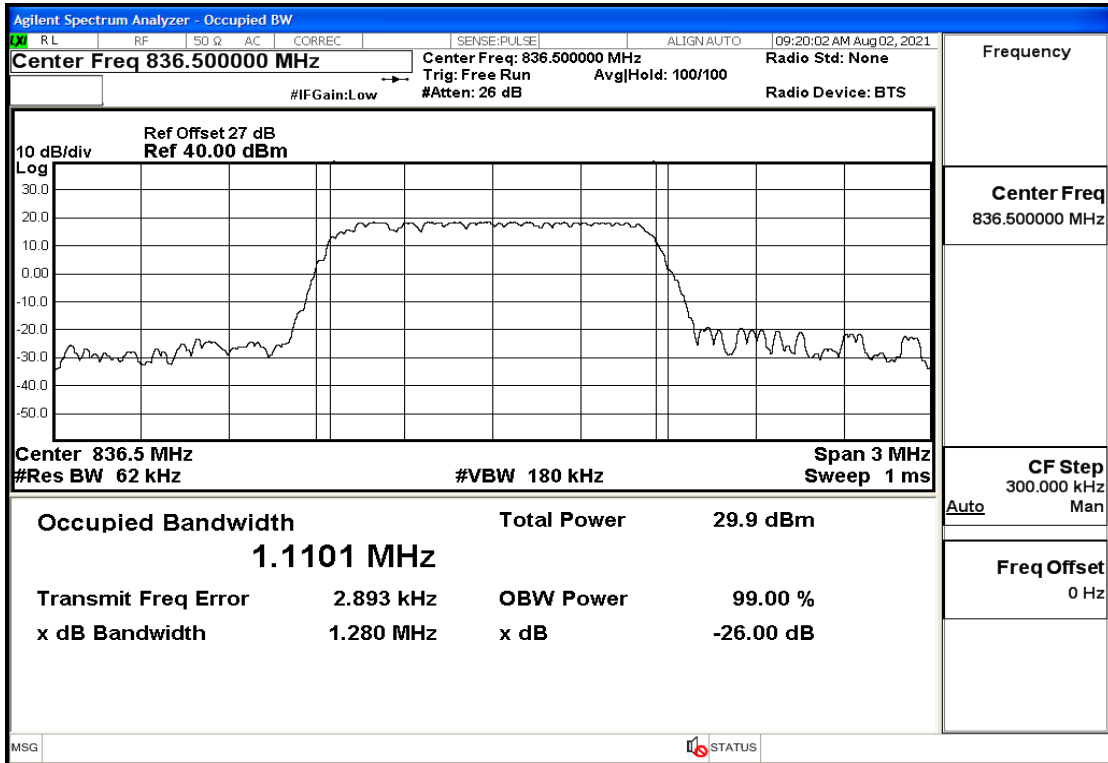
Band5-1.4-824.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



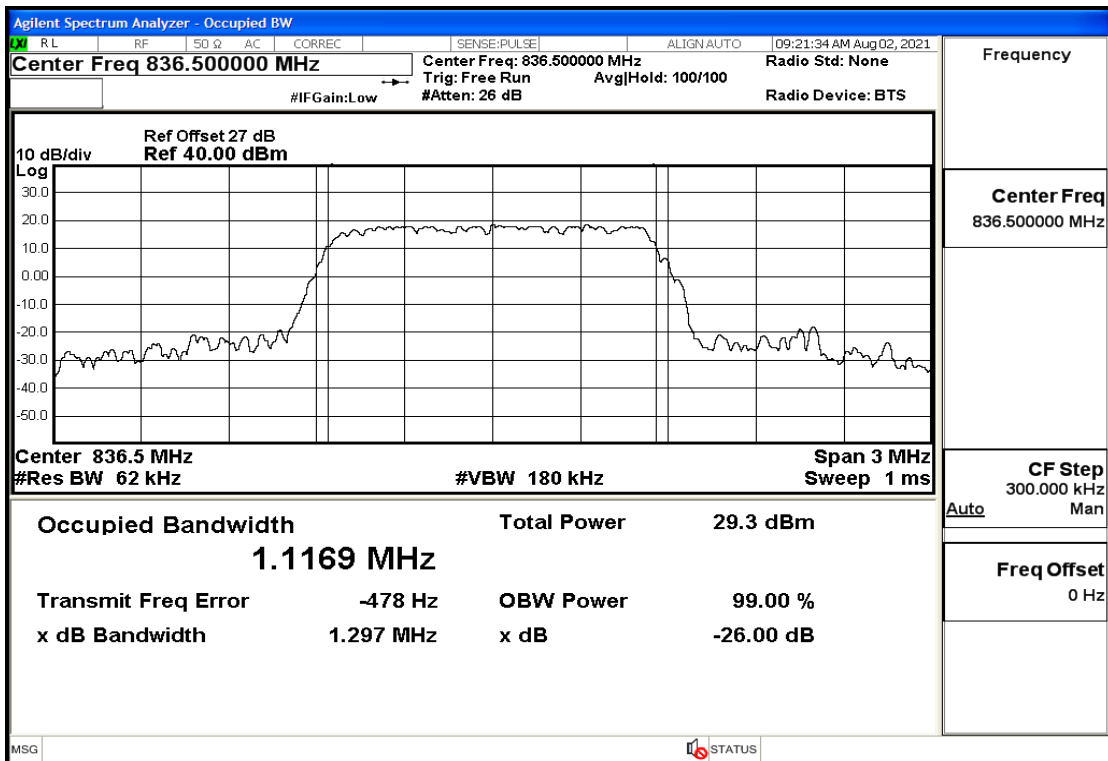
Band5-1.4-824.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



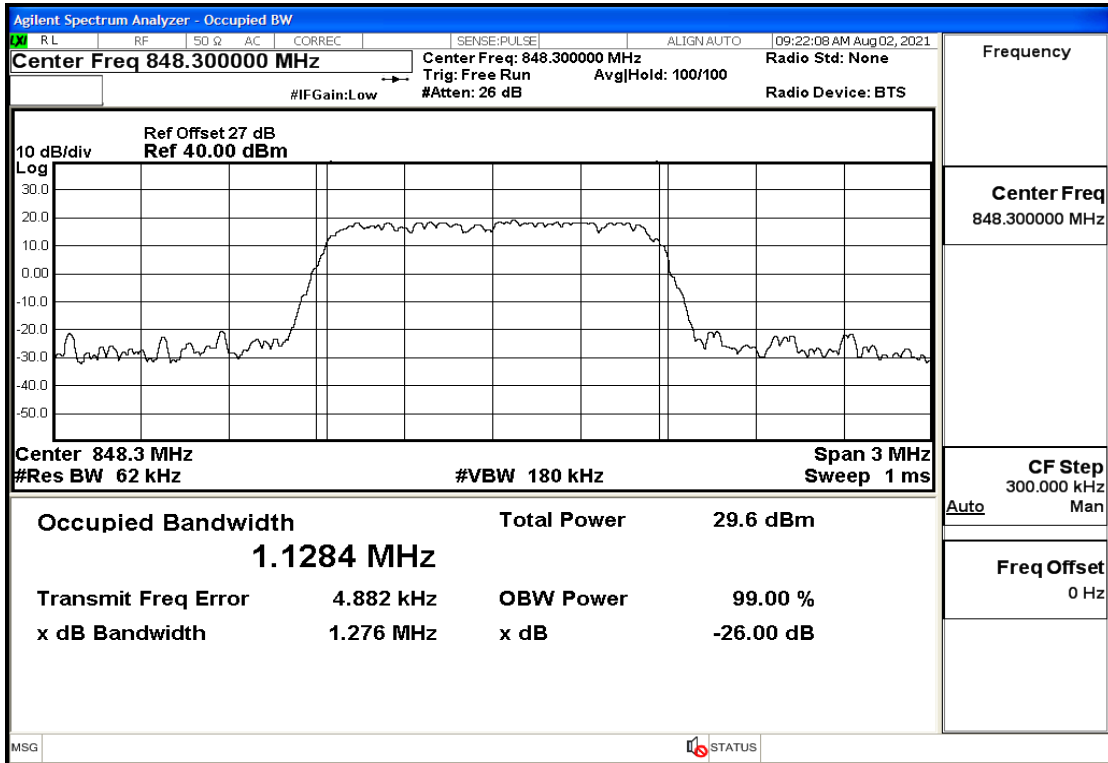
Band5-1.4-836.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



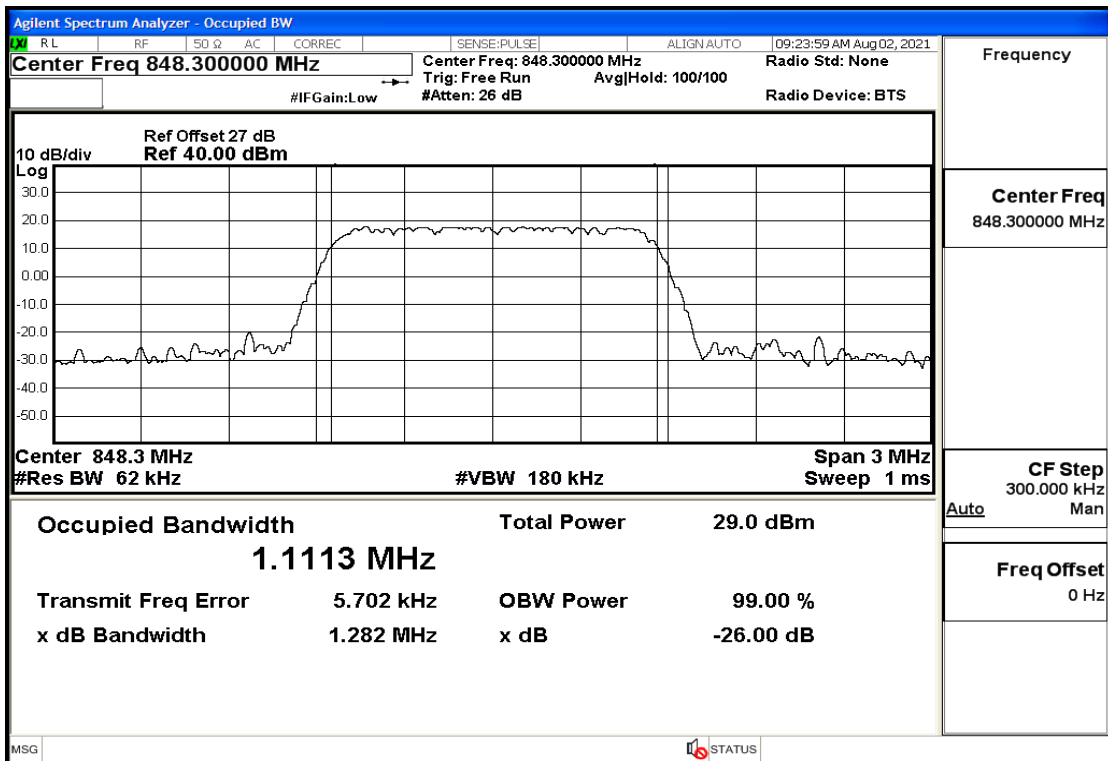
Band5-1.4-836.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



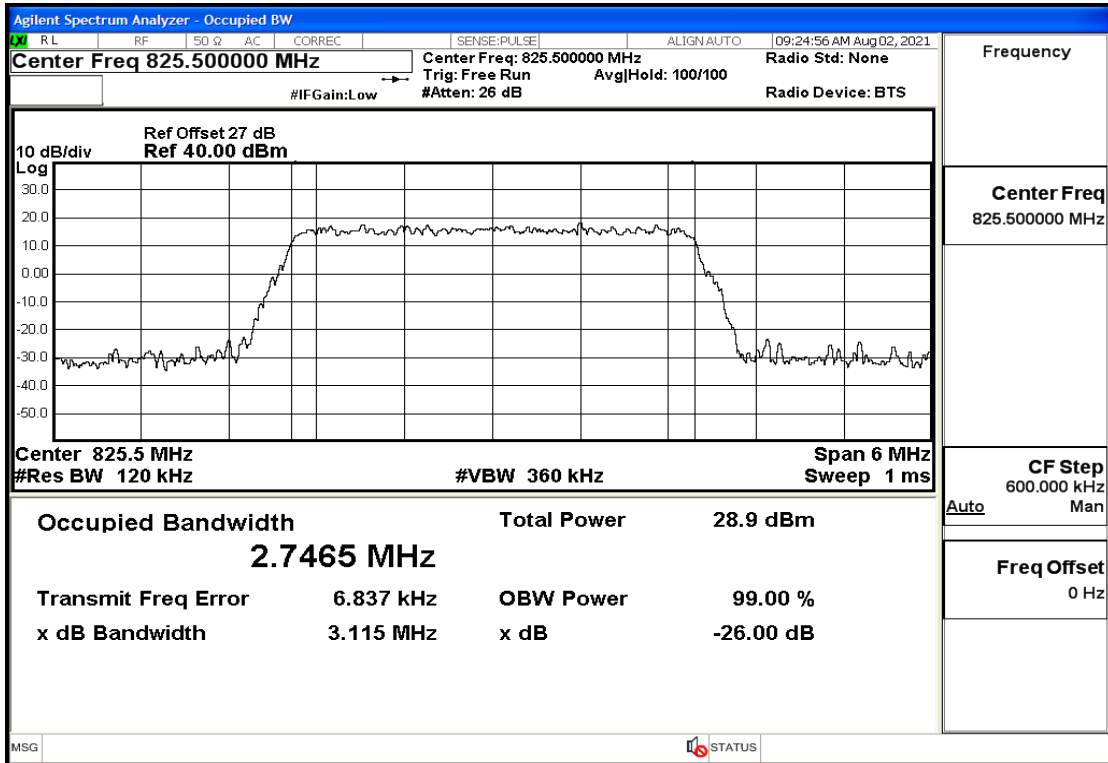
Band5-1.4-848.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



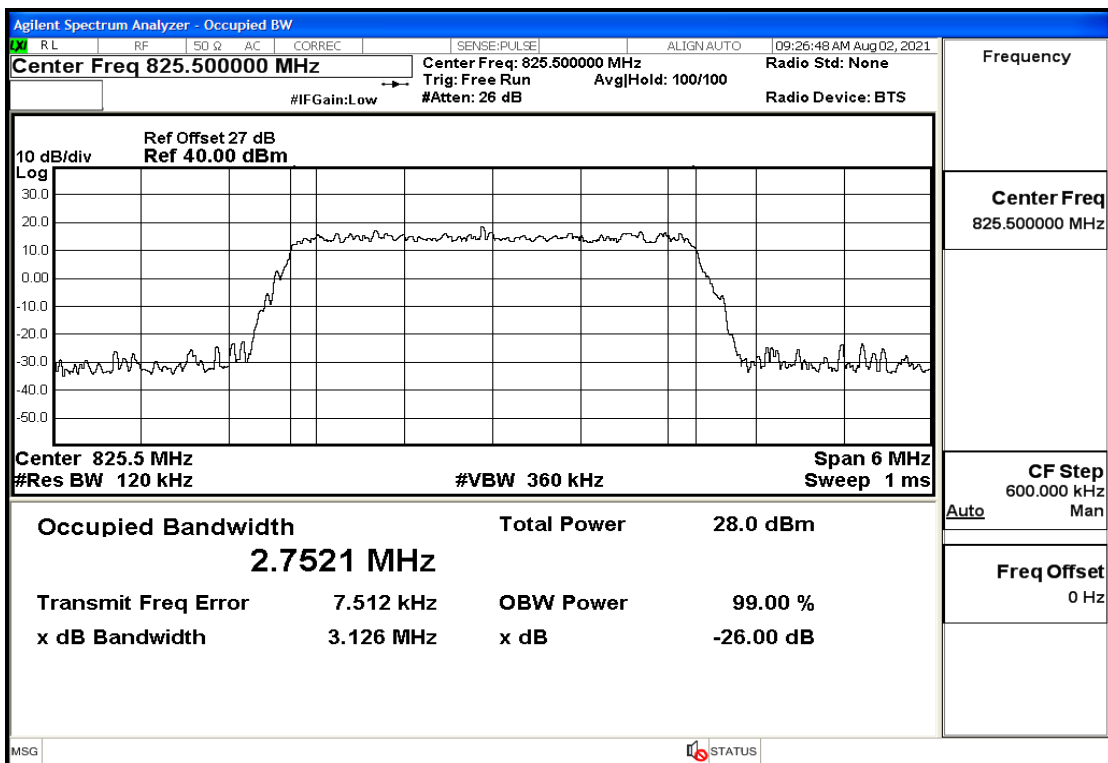
Band5-1.4-848.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



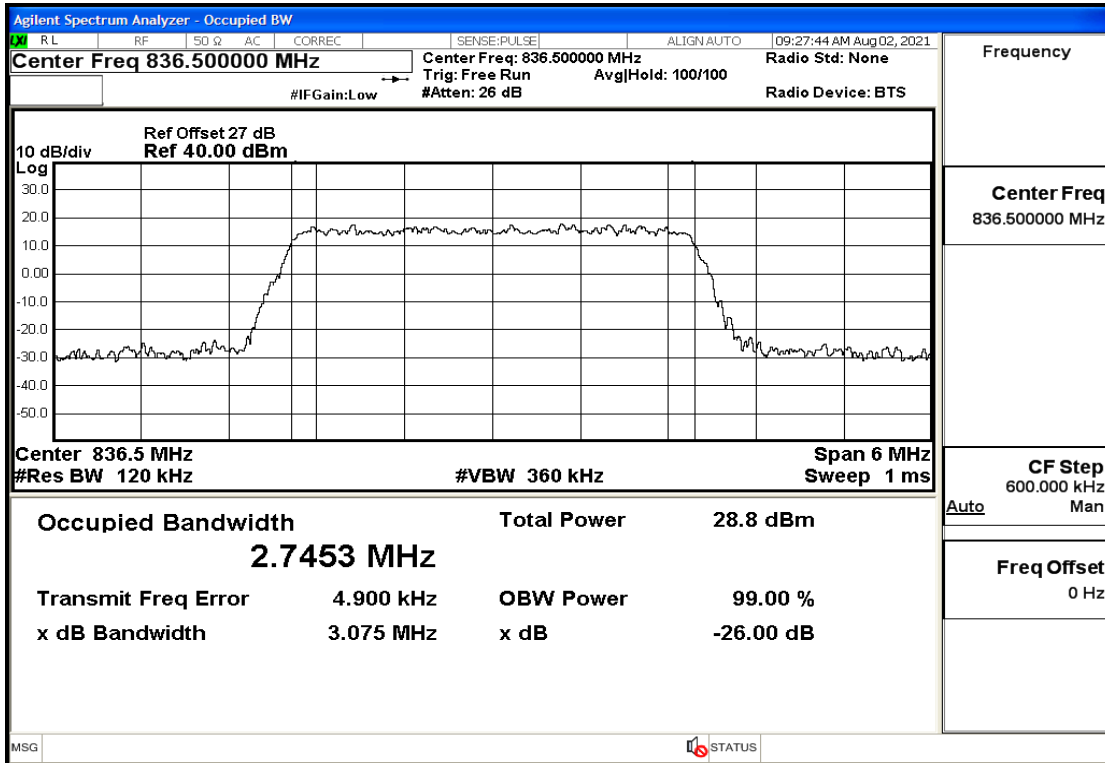
Band5-3-825.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



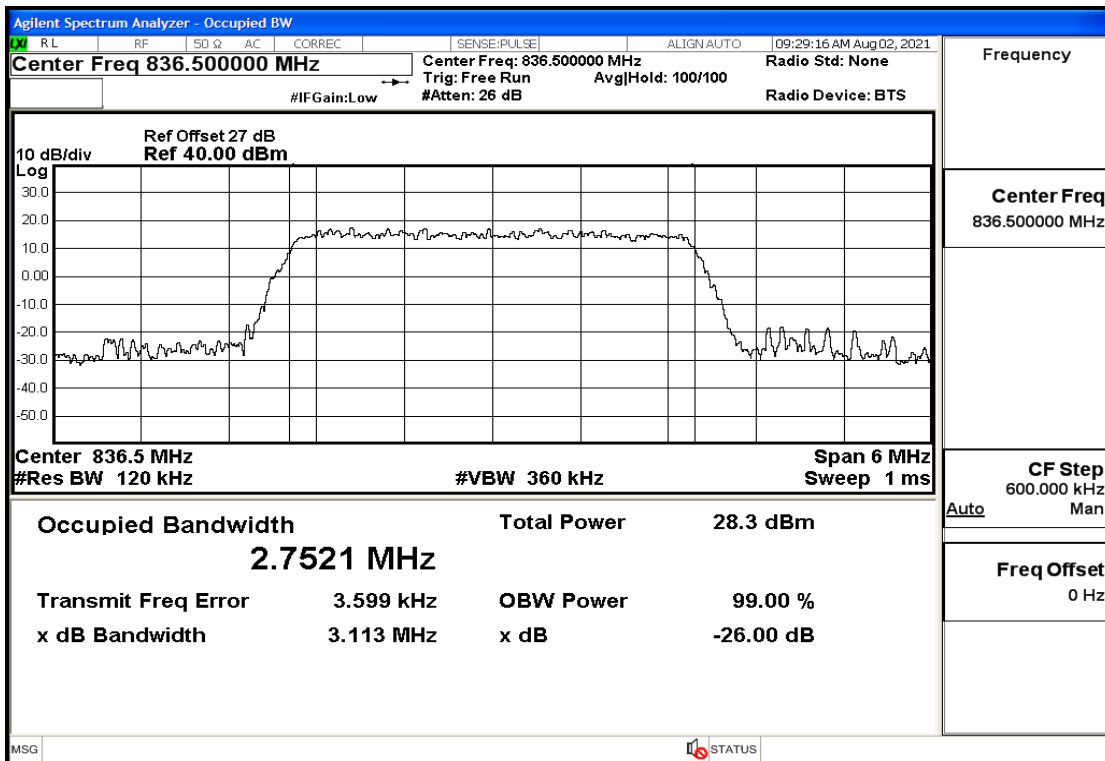
Band5-3-825.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



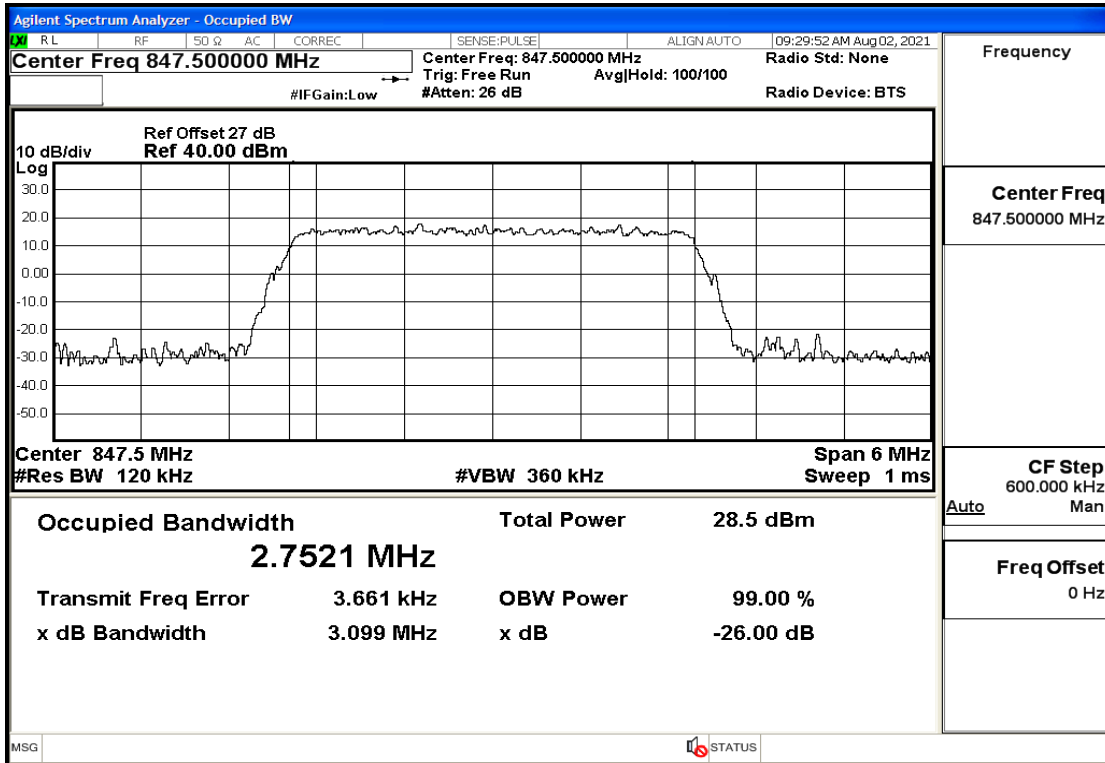
Band5-3-836.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



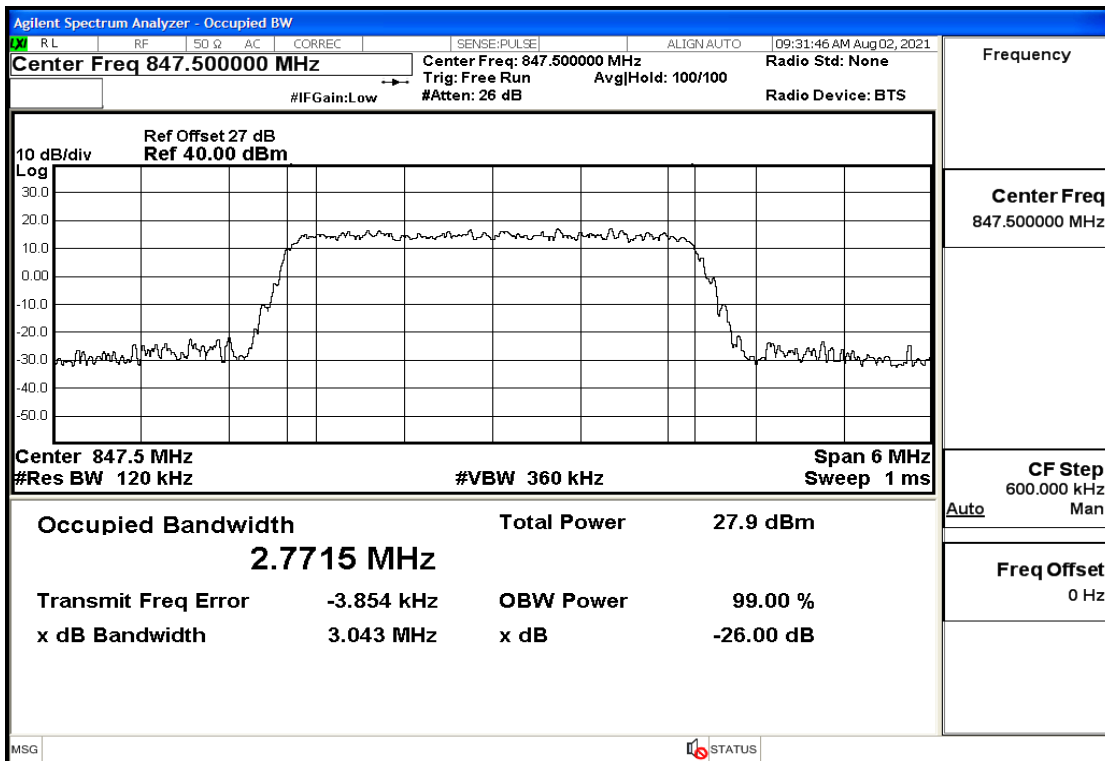
Band5-3-836.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



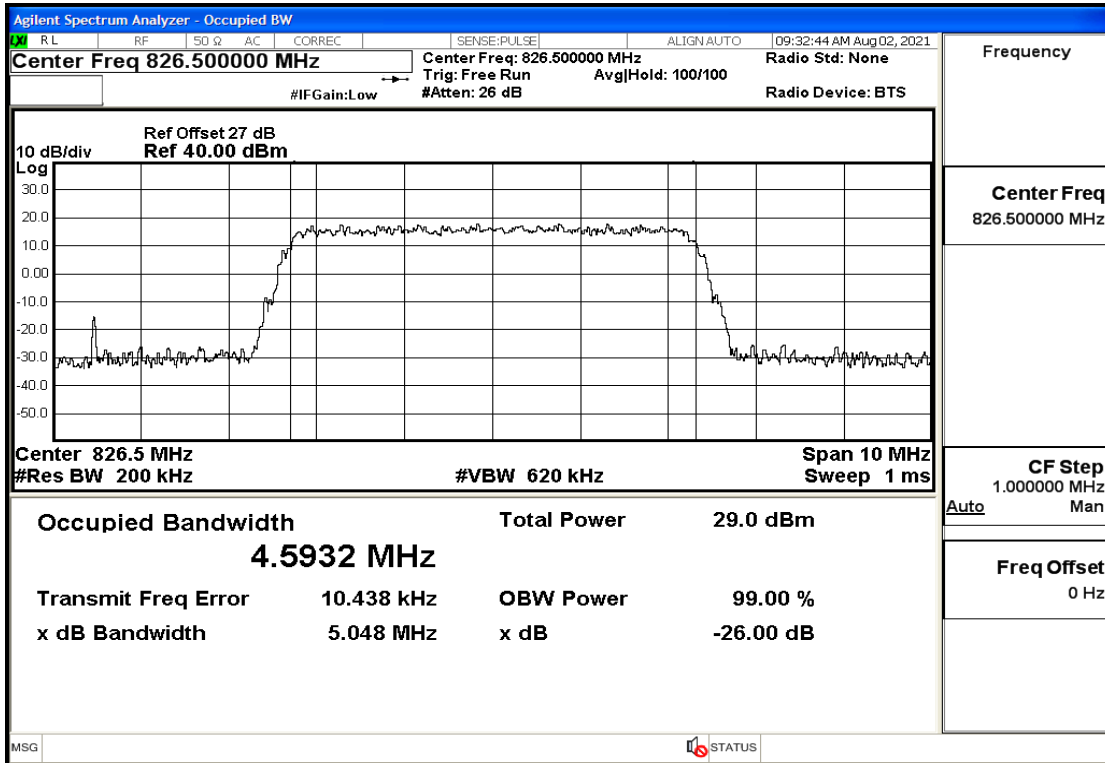
Band5-3-847.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



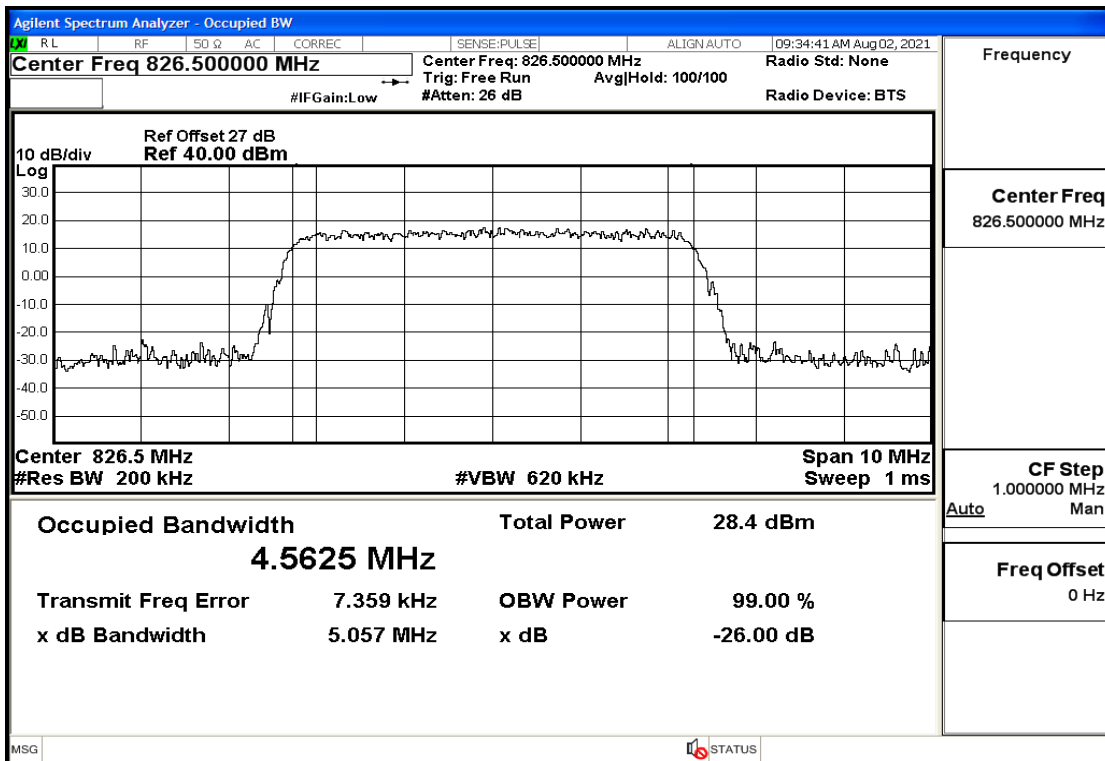
Band5-3-847.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



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

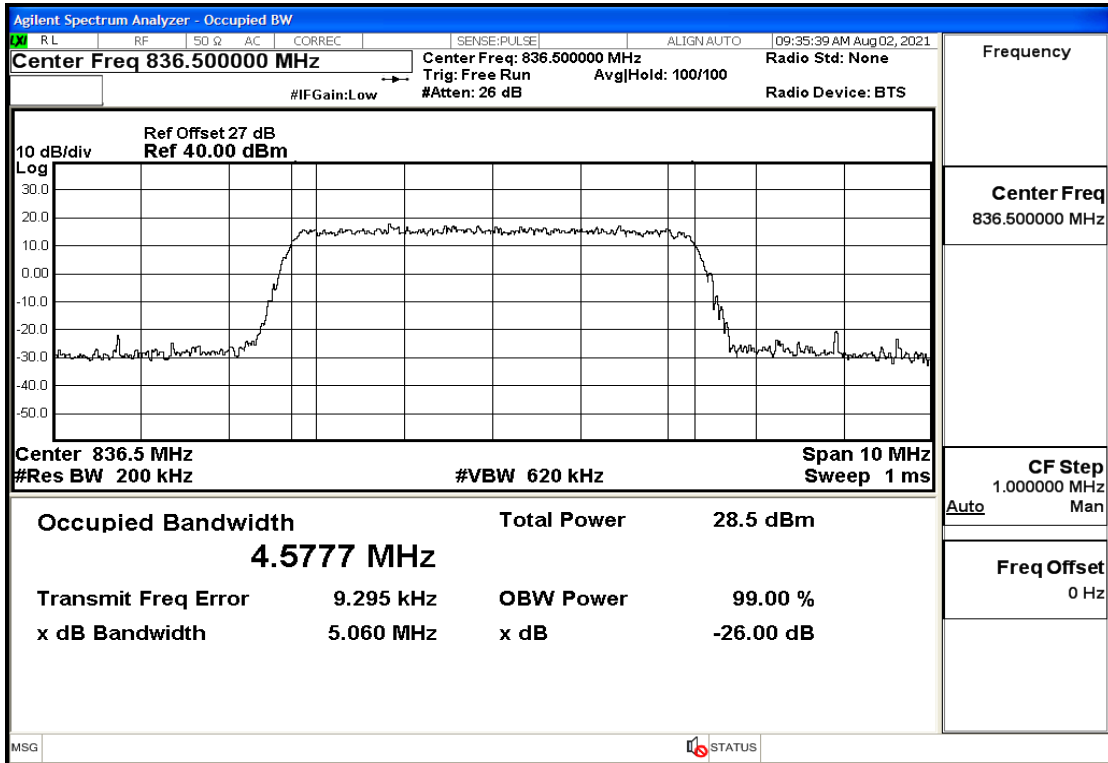


Band5-5-826.5-16QAM-25#LOW@26dB and 99PCT Bandwidth

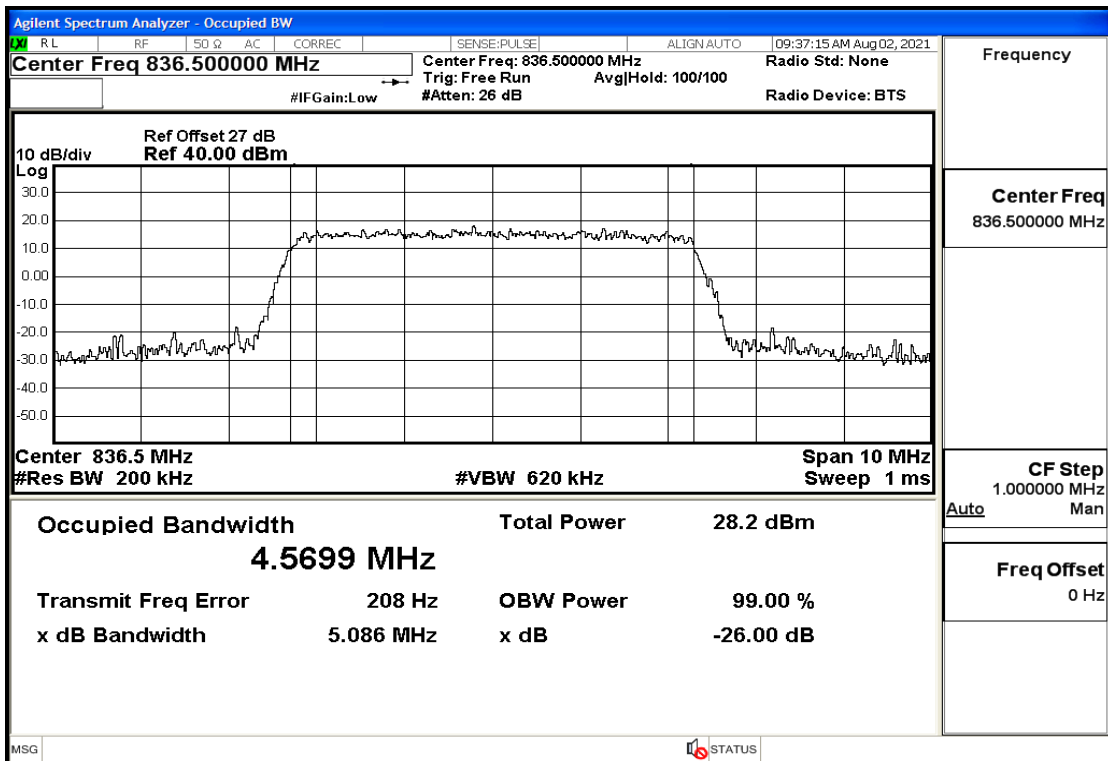




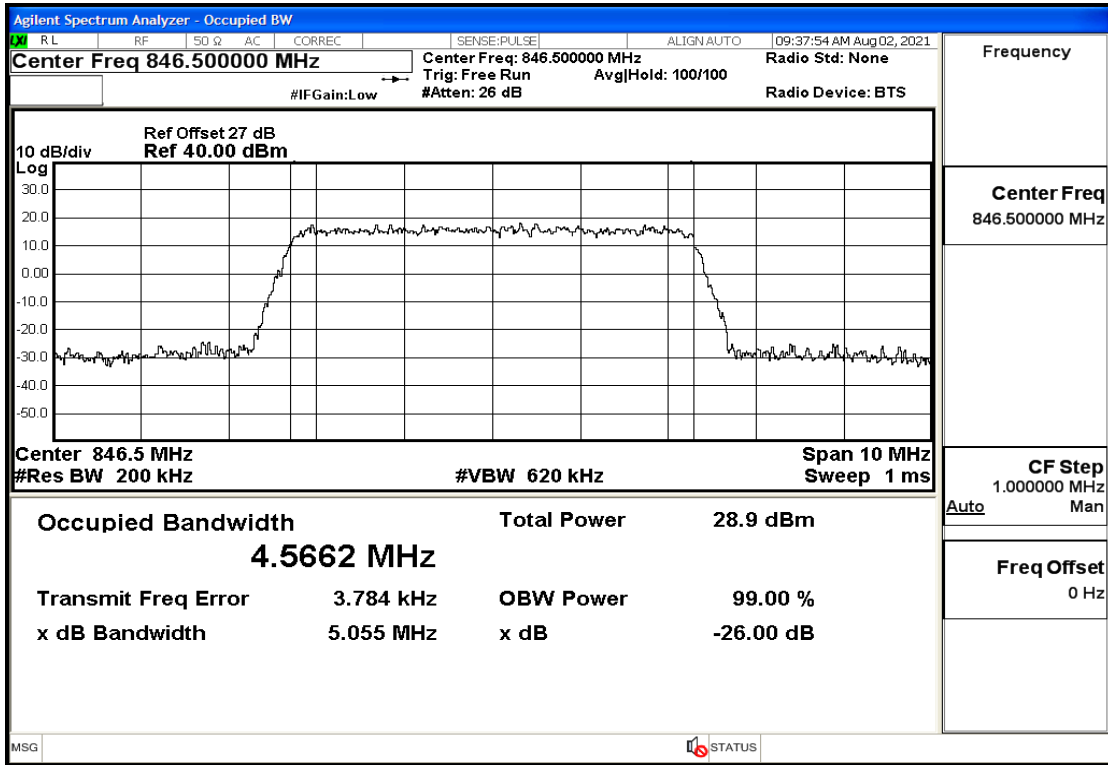
Band5-5-836.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



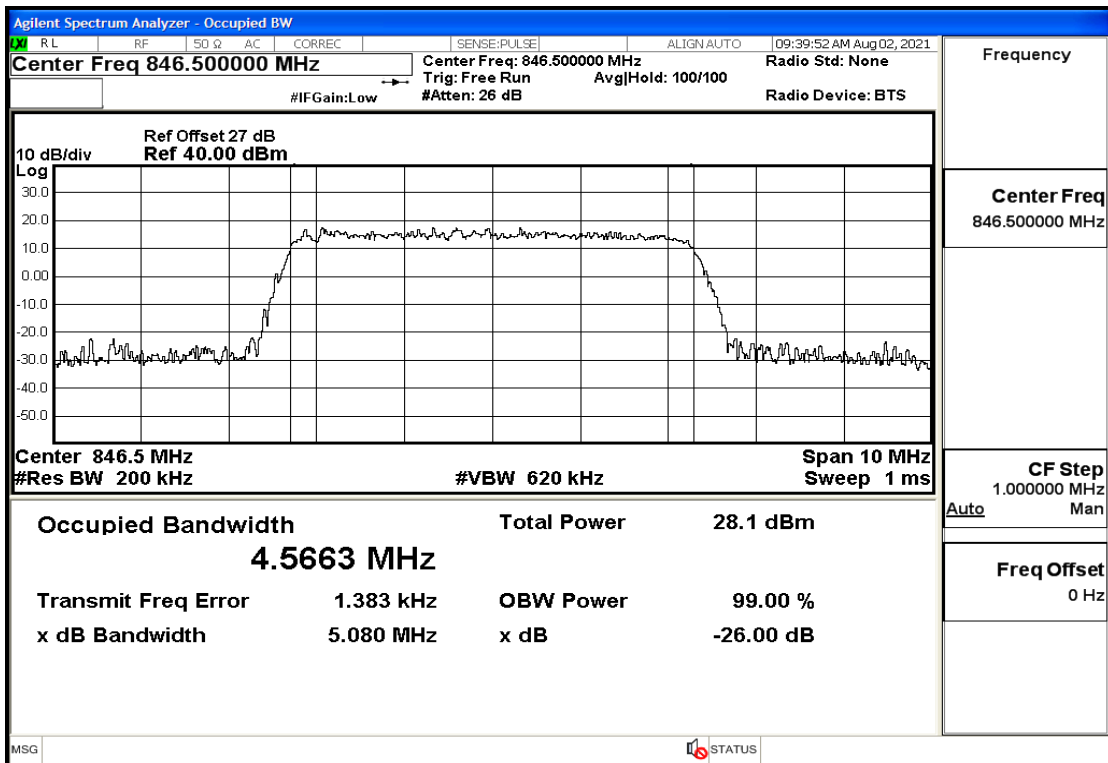
Band5-5-836.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



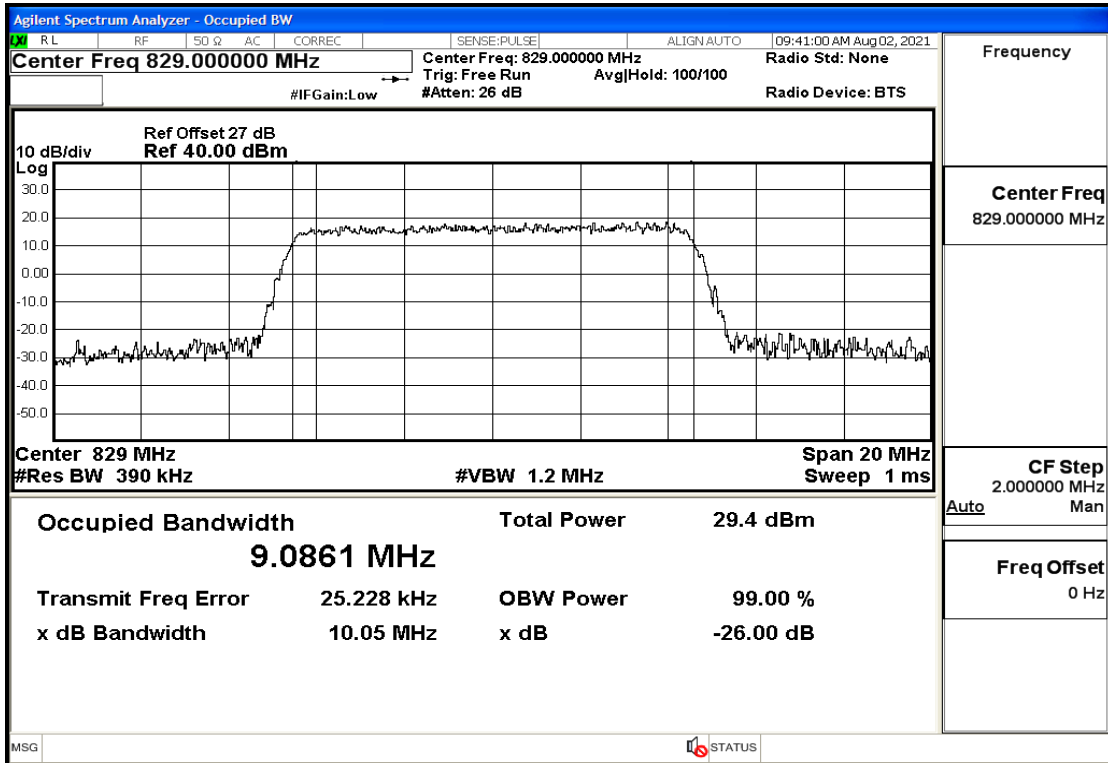
Band5-5-846.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



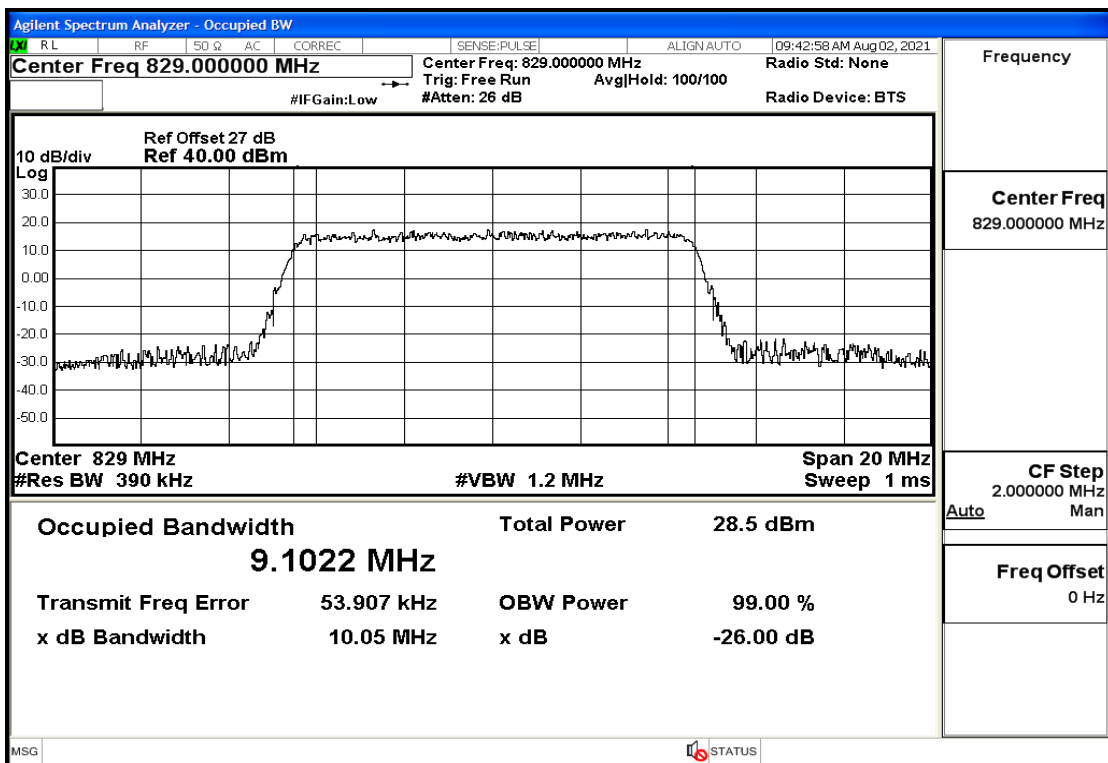
Band5-5-846.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



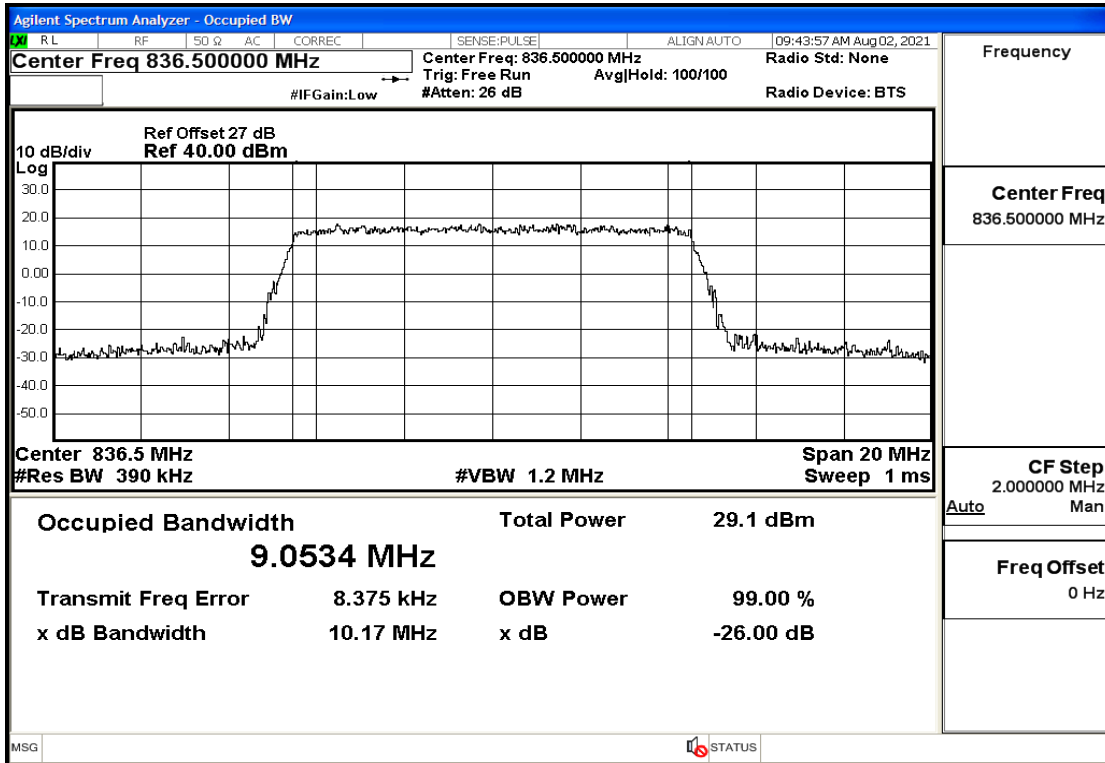
Band5-10-829-QPSK-50#LOW@26dB and 99PCT Bandwidth



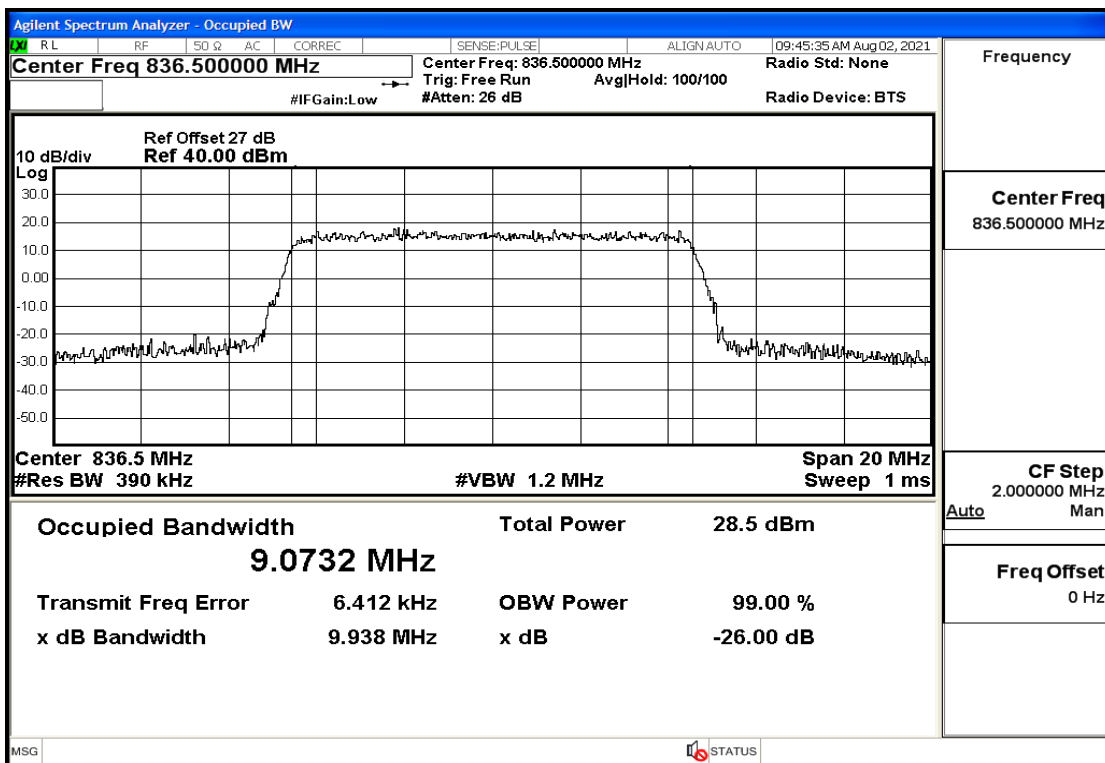
Band5-10-829-16QAM-50#LOW@26dB and 99PCT Bandwidth



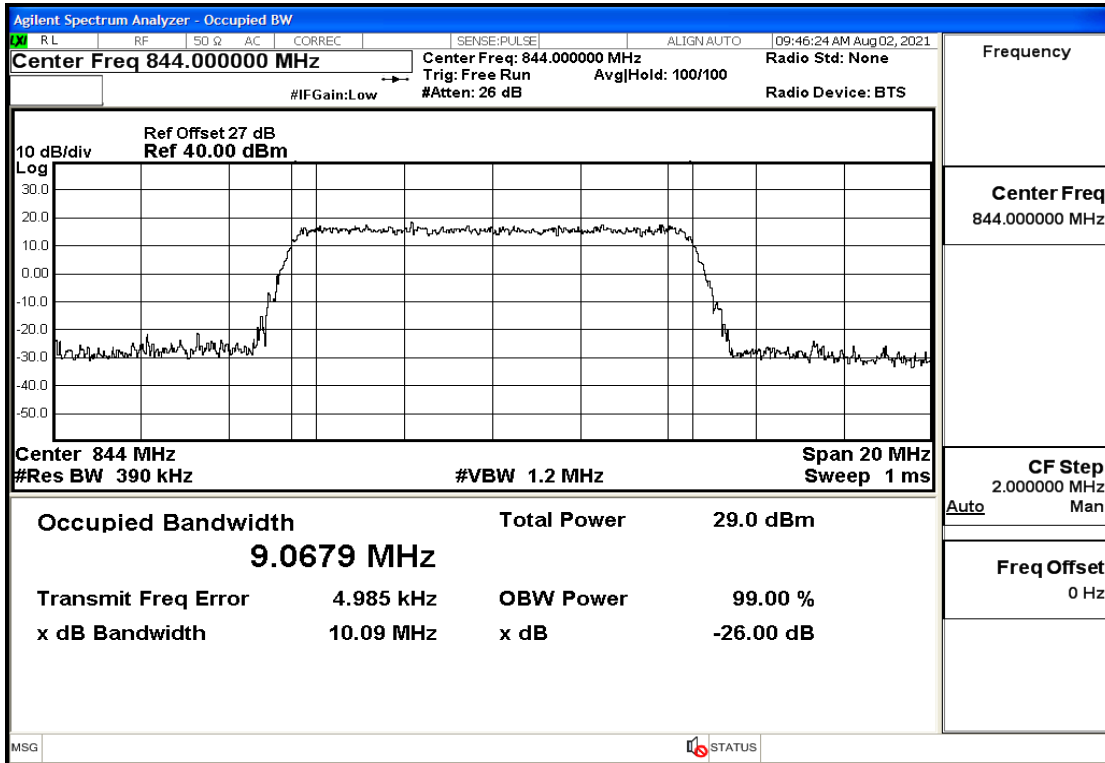
Band5-10-836.5-QPSK-50#LOW@26dB and 99PCT Bandwidth



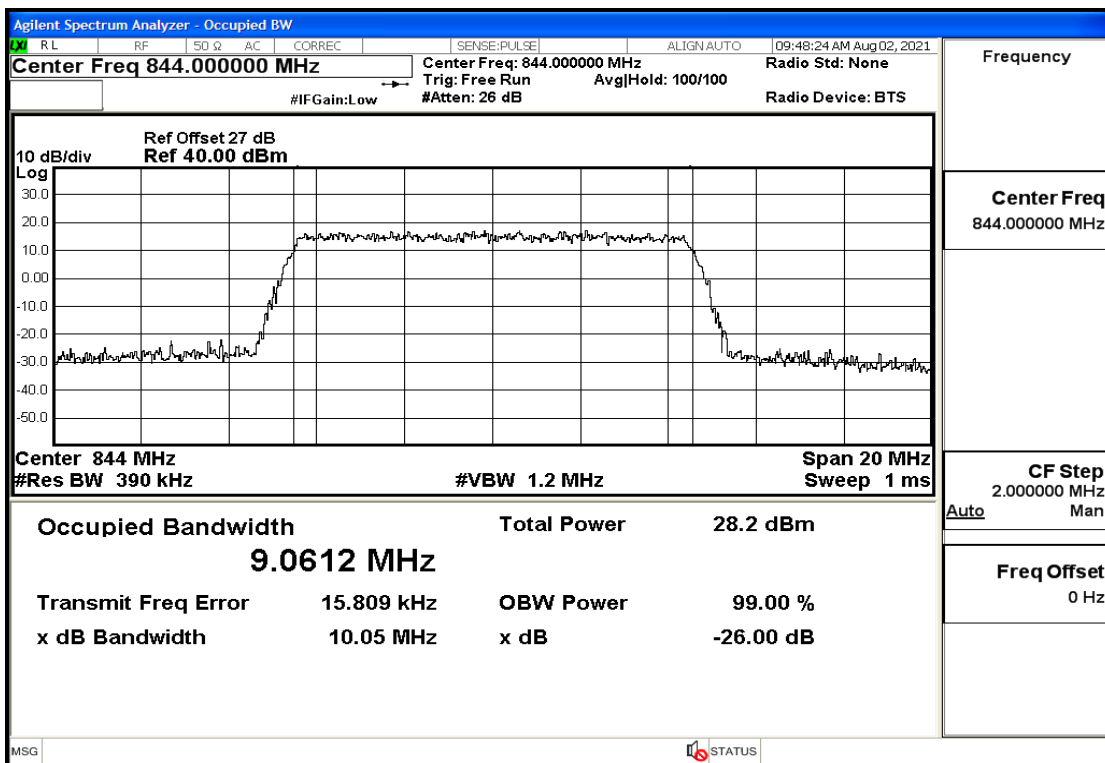
Band5-10-836.5-16QAM-50#LOW@26dB and 99PCT Bandwidth



Band5-10-844-QPSK-50#LOW@26dB and 99PCT Bandwidth



Band5-10-844-16QAM-50#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	0.0616	PASS
40	Normal Voltage	0.0395	
30	Normal Voltage	0.0173	
20(Ref.)	Normal Voltage	0.0279	
10	Normal Voltage	0.0659	
0	Normal Voltage	0.0186	
-10	Normal Voltage	0.0412	
-20	Normal Voltage	0.0382	
-30	Normal Voltage	0.0162	
20	Maximum Voltage	0.0189	
20	Normal Voltage	0.0263	
20	Battery End Point	0.0620	

## 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	21.36	27.84	6.48	13	-0.47	18.74	38.5	Pass
Band5	1.4	824.7	QPSK	3	LOW	22.56	28.27	5.71	13	-0.47	19.94	38.5	Pass
Band5	1.4	824.7	QPSK	3	MID	22.54	28.23	5.69	13	-0.47	19.92	38.5	Pass
Band5	1.4	824.7	QPSK	3	HIGH	22.56	28.23	5.67	13	-0.47	19.94	38.5	Pass
Band5	1.4	824.7	QPSK	1	LOW	22.56	27.88	5.32	13	-0.47	19.94	38.5	Pass
Band5	1.4	824.7	QPSK	1	MID	22.49	27.9	5.41	13	-0.47	19.87	38.5	Pass
Band5	1.4	824.7	QPSK	1	HIGH	22.41	27.9	5.49	13	-0.47	19.79	38.5	Pass
Band5	1.4	824.7	16QAM	6	LOW	20.75	28.09	7.34	13	-0.47	18.13	38.5	Pass
Band5	1.4	824.7	16QAM	3	LOW	21.74	27.76	6.02	13	-0.47	19.12	38.5	Pass
Band5	1.4	824.7	16QAM	3	MID	21.74	27.75	6.01	13	-0.47	19.12	38.5	Pass
Band5	1.4	824.7	16QAM	3	HIGH	21.78	27.8	6.02	13	-0.47	19.16	38.5	Pass
Band5	1.4	824.7	16QAM	1	LOW	22.31	27.74	5.43	13	-0.47	19.69	38.5	Pass
Band5	1.4	824.7	16QAM	1	MID	22.13	27.69	5.56	13	-0.47	19.51	38.5	Pass
Band5	1.4	824.7	16QAM	1	HIGH	22.26	27.79	5.53	13	-0.47	19.64	38.5	Pass
Band5	1.4	836.5	QPSK	6	LOW	21.45	27.59	6.14	13	-0.47	18.83	38.5	Pass
Band5	1.4	836.5	QPSK	3	LOW	22.43	28.05	5.62	13	-0.47	19.81	38.5	Pass
Band5	1.4	836.5	QPSK	3	MID	22.42	28.09	5.67	13	-0.47	19.8	38.5	Pass
Band5	1.4	836.5	QPSK	3	HIGH	22.39	28.02	5.63	13	-0.47	19.77	38.5	Pass
Band5	1.4	836.5	QPSK	1	LOW	22.43	27.74	5.31	13	-0.47	19.81	38.5	Pass
Band5	1.4	836.5	QPSK	1	MID	22.47	27.76	5.29	13	-0.47	19.85	38.5	Pass
Band5	1.4	836.5	QPSK	1	HIGH	22.52	27.81	5.29	13	-0.47	19.9	38.5	Pass
Band5	1.4	836.5	16QAM	6	LOW	21.05	28.03	6.98	13	-0.47	18.43	38.5	Pass
Band5	1.4	836.5	16QAM	3	LOW	21.54	27.46	5.92	13	-0.47	18.92	38.5	Pass
Band5	1.4	836.5	16QAM	3	MID	21.53	27.49	5.96	13	-0.47	18.91	38.5	Pass
Band5	1.4	836.5	16QAM	3	HIGH	21.52	27.52	6	13	-0.47	18.9	38.5	Pass
Band5	1.4	836.5	16QAM	1	LOW	22.18	27.58	5.4	13	-0.47	19.56	38.5	Pass
Band5	1.4	836.5	16QAM	1	MID	22.08	27.51	5.43	13	-0.47	19.46	38.5	Pass
Band5	1.4	836.5	16QAM	1	HIGH	22.16	27.57	5.41	13	-0.47	19.54	38.5	Pass
Band5	1.4	848.3	QPSK	6	LOW	21.46	27.2	5.74	13	-0.47	18.84	38.5	Pass
Band5	1.4	848.3	QPSK	3	LOW	22.51	27.77	5.26	13	-0.47	19.89	38.5	Pass
Band5	1.4	848.3	QPSK	3	MID	22.5	27.78	5.28	13	-0.47	19.88	38.5	Pass
Band5	1.4	848.3	QPSK	3	HIGH	22.43	27.71	5.28	13	-0.47	19.81	38.5	Pass
Band5	1.4	848.3	QPSK	1	LOW	22.66	27.63	4.97	13	-0.47	20.04	38.5	Pass
Band5	1.4	848.3	QPSK	1	MID	22.46	27.43	4.97	13	-0.47	19.84	38.5	Pass
Band5	1.4	848.3	QPSK	1	HIGH	22.47	27.45	4.98	13	-0.47	19.85	38.5	Pass
Band5	1.4	848.3	16QAM	6	LOW	20.76	27.52	6.76	13	-0.47	18.14	38.5	Pass
Band5	1.4	848.3	16QAM	3	LOW	21.47	27.67	6.2	13	-0.47	18.85	38.5	Pass
Band5	1.4	848.3	16QAM	3	MID	21.46	27.72	6.26	13	-0.47	18.84	38.5	Pass
Band5	1.4	848.3	16QAM	3	HIGH	21.27	27.63	6.36	13	-0.47	18.65	38.5	Pass
Band5	1.4	848.3	16QAM	1	LOW	22.15	26.95	4.8	13	-0.47	19.53	38.5	Pass

Band5	1.4	848.3	16QAM	1	MID	21.86	26.62	4.76	13	-0.47	19.24	38.5	Pass
Band5	1.4	848.3	16QAM	1	HIGH	22.05	26.85	4.8	13	-0.47	19.43	38.5	Pass
Band5	3	825.5	QPSK	15	LOW	21.43	27.51	6.08	13	-0.47	18.81	38.5	Pass
Band5	3	825.5	QPSK	8	LOW	21.39	27.3	5.91	13	-0.47	18.77	38.5	Pass
Band5	3	825.5	QPSK	8	MID	21.39	27.35	5.96	13	-0.47	18.77	38.5	Pass
Band5	3	825.5	QPSK	8	HIGH	21.46	27.3	5.84	13	-0.47	18.84	38.5	Pass
Band5	3	825.5	QPSK	1	LOW	22.37	27.32	4.95	13	-0.47	19.75	38.5	Pass
Band5	3	825.5	QPSK	1	MID	22.38	27.41	5.03	13	-0.47	19.76	38.5	Pass
Band5	3	825.5	QPSK	1	HIGH	22.46	27.46	5	13	-0.47	19.84	38.5	Pass
Band5	3	825.5	16QAM	15	LOW	20.71	27.69	6.98	13	-0.47	18.09	38.5	Pass
Band5	3	825.5	16QAM	8	LOW	20.91	27.6	6.69	13	-0.47	18.29	38.5	Pass
Band5	3	825.5	16QAM	8	MID	20.91	27.79	6.88	13	-0.47	18.29	38.5	Pass
Band5	3	825.5	16QAM	8	HIGH	21.32	28.05	6.73	13	-0.47	18.7	38.5	Pass
Band5	3	825.5	16QAM	1	LOW	21.99	27.95	5.96	13	-0.47	19.37	38.5	Pass
Band5	3	825.5	16QAM	1	MID	21.95	28.09	6.14	13	-0.47	19.33	38.5	Pass
Band5	3	825.5	16QAM	1	HIGH	22.15	28.21	6.06	13	-0.47	19.53	38.5	Pass
Band5	3	836.5	QPSK	15	LOW	21.52	27.6	6.08	13	-0.47	18.9	38.5	Pass
Band5	3	836.5	QPSK	8	LOW	21.31	27.37	6.06	13	-0.47	18.69	38.5	Pass
Band5	3	836.5	QPSK	8	MID	21.32	27.37	6.05	13	-0.47	18.7	38.5	Pass
Band5	3	836.5	QPSK	8	HIGH	21.42	27.49	6.07	13	-0.47	18.8	38.5	Pass
Band5	3	836.5	QPSK	1	LOW	22.65	27.58	4.93	13	-0.47	20.03	38.5	Pass
Band5	3	836.5	QPSK	1	MID	22.46	27.5	5.04	13	-0.47	19.84	38.5	Pass
Band5	3	836.5	QPSK	1	HIGH	22.36	27.5	5.14	13	-0.47	19.74	38.5	Pass
Band5	3	836.5	16QAM	15	LOW	20.8	27.22	6.42	13	-0.47	18.18	38.5	Pass
Band5	3	836.5	16QAM	8	LOW	20.88	27.26	6.38	13	-0.47	18.26	38.5	Pass
Band5	3	836.5	16QAM	8	MID	20.88	27.36	6.48	13	-0.47	18.26	38.5	Pass
Band5	3	836.5	16QAM	8	HIGH	20.99	27.36	6.37	13	-0.47	18.37	38.5	Pass
Band5	3	836.5	16QAM	1	LOW	22.16	27.28	5.12	13	-0.47	19.54	38.5	Pass
Band5	3	836.5	16QAM	1	MID	22.11	26.85	4.74	13	-0.47	19.49	38.5	Pass
Band5	3	836.5	16QAM	1	HIGH	22.12	27.01	4.89	13	-0.47	19.5	38.5	Pass
Band5	3	847.5	QPSK	15	LOW	21.46	28.23	6.77	13	-0.47	18.84	38.5	Pass
Band5	3	847.5	QPSK	8	LOW	21.52	27.78	6.26	13	-0.47	18.9	38.5	Pass
Band5	3	847.5	QPSK	8	MID	21.52	27.76	6.24	13	-0.47	18.9	38.5	Pass
Band5	3	847.5	QPSK	8	HIGH	21.4	27.61	6.21	13	-0.47	18.78	38.5	Pass
Band5	3	847.5	QPSK	1	LOW	22.5	27.56	5.06	13	-0.47	19.88	38.5	Pass
Band5	3	847.5	QPSK	1	MID	22.69	27.47	4.78	13	-0.47	20.07	38.5	Pass
Band5	3	847.5	QPSK	1	HIGH	22.55	27.35	4.8	13	-0.47	19.93	38.5	Pass
Band5	3	847.5	16QAM	15	LOW	20.85	28.09	7.24	13	-0.47	18.23	38.5	Pass
Band5	3	847.5	16QAM	8	LOW	20.91	27.07	6.16	13	-0.47	18.29	38.5	Pass
Band5	3	847.5	16QAM	8	MID	20.91	27.55	6.64	13	-0.47	18.29	38.5	Pass
Band5	3	847.5	16QAM	8	HIGH	20.79	26.92	6.13	13	-0.47	18.17	38.5	Pass
Band5	3	847.5	16QAM	1	LOW	21.4	26.62	5.22	13	-0.47	18.78	38.5	Pass
Band5	3	847.5	16QAM	1	MID	21.41	26.47	5.06	13	-0.47	18.79	38.5	Pass
Band5	3	847.5	16QAM	1	HIGH	21.27	27.47	6.2	13	-0.47	18.65	38.5	Pass
Band5	5	826.5	QPSK	25	LOW	21.76	28.04	6.28	13	-0.47	19.14	38.5	Pass
Band5	5	826.5	QPSK	12	LOW	21.4	27.45	6.05	13	-0.47	18.78	38.5	Pass



Band5	5	826.5	QPSK	12	MID	21.4	27.37	5.97	13	-0.47	18.78	38.5	Pass
Band5	5	826.5	QPSK	12	HIGH	21.55	27.39	5.84	13	-0.47	18.93	38.5	Pass
Band5	5	826.5	QPSK	1	LOW	22.5	28.06	5.56	13	-0.47	19.88	38.5	Pass
Band5	5	826.5	QPSK	1	MID	22.49	28.3	5.81	13	-0.47	19.87	38.5	Pass
Band5	5	826.5	QPSK	1	HIGH	22.49	28.31	5.82	13	-0.47	19.87	38.5	Pass
Band5	5	826.5	16QAM	25	LOW	20.92	28.46	7.54	13	-0.47	18.3	38.5	Pass
Band5	5	826.5	16QAM	12	LOW	20.6	27.93	7.33	13	-0.47	17.98	38.5	Pass
Band5	5	826.5	16QAM	12	MID	20.6	27.82	7.22	13	-0.47	17.98	38.5	Pass
Band5	5	826.5	16QAM	12	HIGH	21.08	28.18	7.1	13	-0.47	18.46	38.5	Pass
Band5	5	826.5	16QAM	1	LOW	20.89	26.63	5.74	13	-0.47	18.27	38.5	Pass
Band5	5	826.5	16QAM	1	MID	20.97	26.76	5.79	13	-0.47	18.35	38.5	Pass
Band5	5	826.5	16QAM	1	HIGH	21.12	26.92	5.8	13	-0.47	18.5	38.5	Pass
Band5	5	836.5	QPSK	25	LOW	21.36	27.76	6.4	13	-0.47	18.74	38.5	Pass
Band5	5	836.5	QPSK	12	LOW	21.37	27.74	6.37	13	-0.47	18.75	38.5	Pass
Band5	5	836.5	QPSK	12	MID	21.37	27.76	6.39	13	-0.47	18.75	38.5	Pass
Band5	5	836.5	QPSK	12	HIGH	21.35	27.84	6.49	13	-0.47	18.73	38.5	Pass
Band5	5	836.5	QPSK	1	LOW	22.64	27.57	4.93	13	-0.47	20.02	38.5	Pass
Band5	5	836.5	QPSK	1	MID	22.46	27.72	5.26	13	-0.47	19.84	38.5	Pass
Band5	5	836.5	QPSK	1	HIGH	22.57	27.59	5.02	13	-0.47	19.95	38.5	Pass
Band5	5	836.5	16QAM	25	LOW	20.84	28.69	7.85	13	-0.47	18.22	38.5	Pass
Band5	5	836.5	16QAM	12	LOW	20.85	27.38	6.53	13	-0.47	18.23	38.5	Pass
Band5	5	836.5	16QAM	12	MID	20.86	27.45	6.59	13	-0.47	18.24	38.5	Pass
Band5	5	836.5	16QAM	12	HIGH	20.91	27.43	6.52	13	-0.47	18.29	38.5	Pass
Band5	5	836.5	16QAM	1	LOW	21.69	27.29	5.6	13	-0.47	19.07	38.5	Pass
Band5	5	836.5	16QAM	1	MID	21.59	27.22	5.63	13	-0.47	18.97	38.5	Pass
Band5	5	836.5	16QAM	1	HIGH	21.83	27.43	5.6	13	-0.47	19.21	38.5	Pass
Band5	5	846.5	QPSK	25	LOW	21.43	27.58	6.15	13	-0.47	18.81	38.5	Pass
Band5	5	846.5	QPSK	12	LOW	21.51	27.35	5.84	13	-0.47	18.89	38.5	Pass
Band5	5	846.5	QPSK	12	MID	21.51	27.3	5.79	13	-0.47	18.89	38.5	Pass
Band5	5	846.5	QPSK	12	HIGH	21.64	27.27	5.63	13	-0.47	19.02	38.5	Pass
Band5	5	846.5	QPSK	1	LOW	22.41	27.75	5.34	13	-0.47	19.79	38.5	Pass
Band5	5	846.5	QPSK	1	MID	22.51	27.67	5.16	13	-0.47	19.89	38.5	Pass
Band5	5	846.5	QPSK	1	HIGH	22.41	27.42	5.01	13	-0.47	19.79	38.5	Pass
Band5	5	846.5	16QAM	25	LOW	20.73	28.36	7.63	13	-0.47	18.11	38.5	Pass
Band5	5	846.5	16QAM	12	LOW	20.65	27.43	6.78	13	-0.47	18.03	38.5	Pass
Band5	5	846.5	16QAM	12	MID	20.65	27.55	6.9	13	-0.47	18.03	38.5	Pass
Band5	5	846.5	16QAM	12	HIGH	20.6	27.23	6.63	13	-0.47	17.98	38.5	Pass
Band5	5	846.5	16QAM	1	LOW	21.03	27.45	6.42	13	-0.47	18.41	38.5	Pass
Band5	5	846.5	16QAM	1	MID	21.23	27.44	6.21	13	-0.47	18.61	38.5	Pass
Band5	5	846.5	16QAM	1	HIGH	21.13	27.26	6.13	13	-0.47	18.51	38.5	Pass
Band5	10	829	QPSK	50	LOW	21.8	27.96	6.16	13	-0.47	19.18	38.5	Pass
Band5	10	829	QPSK	25	LOW	21.66	27.93	6.27	13	-0.47	19.04	38.5	Pass
Band5	10	829	QPSK	25	MID	21.67	27.93	6.26	13	-0.47	19.05	38.5	Pass
Band5	10	829	QPSK	25	HIGH	21.38	27.76	6.38	13	-0.47	18.76	38.5	Pass
Band5	10	829	QPSK	1	LOW	22.41	27.34	4.93	13	-0.47	19.79	38.5	Pass
Band5	10	829	QPSK	1	MID	22.43	27.42	4.99	13	-0.47	19.81	38.5	Pass

Band5	10	829	QPSK	1	HIGH	22.36	27.2	4.84	13	-0.47	19.74	38.5	Pass
Band5	10	829	16QAM	50	LOW	20.88	28.4	7.52	13	-0.47	18.26	38.5	Pass
Band5	10	829	16QAM	25	LOW	20.9	28.05	7.15	13	-0.47	18.28	38.5	Pass
Band5	10	829	16QAM	25	MID	20.91	28.47	7.56	13	-0.47	18.29	38.5	Pass
Band5	10	829	16QAM	25	HIGH	21.03	28.05	7.02	13	-0.47	18.41	38.5	Pass
Band5	10	829	16QAM	1	LOW	21.89	27.89	6	13	-0.47	19.27	38.5	Pass
Band5	10	829	16QAM	1	MID	22.12	28.17	6.05	13	-0.47	19.5	38.5	Pass
Band5	10	829	16QAM	1	HIGH	21.7	27.7	6	13	-0.47	19.08	38.5	Pass
Band5	10	836.5	QPSK	50	LOW	21.54	27.66	6.12	13	-0.47	18.92	38.5	Pass
Band5	10	836.5	QPSK	25	LOW	21.52	27.44	5.92	13	-0.47	18.9	38.5	Pass
Band5	10	836.5	QPSK	25	MID	21.52	27.63	6.11	13	-0.47	18.9	38.5	Pass
Band5	10	836.5	QPSK	25	HIGH	21.58	27.82	6.24	13	-0.47	18.96	38.5	Pass
Band5	10	836.5	QPSK	1	LOW	22.79	27.78	4.99	13	-0.47	20.17	38.5	Pass
Band5	10	836.5	QPSK	1	MID	22.82	27.64	4.82	13	-0.47	20.2	38.5	Pass
Band5	10	836.5	QPSK	1	HIGH	22.66	27.75	5.09	13	-0.47	20.04	38.5	Pass
Band5	10	836.5	16QAM	50	LOW	20.86	28.02	7.16	13	-0.47	18.24	38.5	Pass
Band5	10	836.5	16QAM	25	LOW	20.99	28.08	7.09	13	-0.47	18.37	38.5	Pass
Band5	10	836.5	16QAM	25	MID	20.99	28.08	7.09	13	-0.47	18.37	38.5	Pass
Band5	10	836.5	16QAM	25	HIGH	20.73	28	7.27	13	-0.47	18.11	38.5	Pass
Band5	10	836.5	16QAM	1	LOW	21.66	27.37	5.71	13	-0.47	19.04	38.5	Pass
Band5	10	836.5	16QAM	1	MID	21.63	26.41	4.78	13	-0.47	19.01	38.5	Pass
Band5	10	836.5	16QAM	1	HIGH	21.97	27.81	5.84	13	-0.47	19.35	38.5	Pass
Band5	10	844	QPSK	50	LOW	21.42	27.49	6.07	13	-0.47	18.8	38.5	Pass
Band5	10	844	QPSK	25	LOW	21.79	28.32	6.53	13	-0.47	19.17	38.5	Pass
Band5	10	844	QPSK	25	MID	21.8	28.14	6.34	13	-0.47	19.18	38.5	Pass
Band5	10	844	QPSK	25	HIGH	21.71	28.05	6.34	13	-0.47	19.09	38.5	Pass
Band5	10	844	QPSK	1	LOW	22.49	27.47	4.98	13	-0.47	19.87	38.5	Pass
Band5	10	844	QPSK	1	MID	22.47	27.57	5.1	13	-0.47	19.85	38.5	Pass
Band5	10	844	QPSK	1	HIGH	22.48	27.28	4.8	13	-0.47	19.86	38.5	Pass
Band5	10	844	16QAM	50	LOW	20.55	28.06	7.51	13	-0.47	17.93	38.5	Pass
Band5	10	844	16QAM	25	LOW	20.93	27.98	7.05	13	-0.47	18.31	38.5	Pass
Band5	10	844	16QAM	25	MID	20.94	27.99	7.05	13	-0.47	18.32	38.5	Pass
Band5	10	844	16QAM	25	HIGH	20.98	27.93	6.95	13	-0.47	18.36	38.5	Pass
Band5	10	844	16QAM	1	LOW	21.37	26.53	5.16	13	-0.47	18.75	38.5	Pass
Band5	10	844	16QAM	1	MID	21.35	26.59	5.24	13	-0.47	18.73	38.5	Pass
Band5	10	844	16QAM	1	HIGH	21.19	26.32	5.13	13	-0.47	18.57	38.5	Pass