

RF Test Data for LTE (Conducted Measurement)

Product Name: 4G Mobile Phone

Trade Mark: GYRO

Test Model: S6001

FCC ID: 2AYVXFIRTSS6001

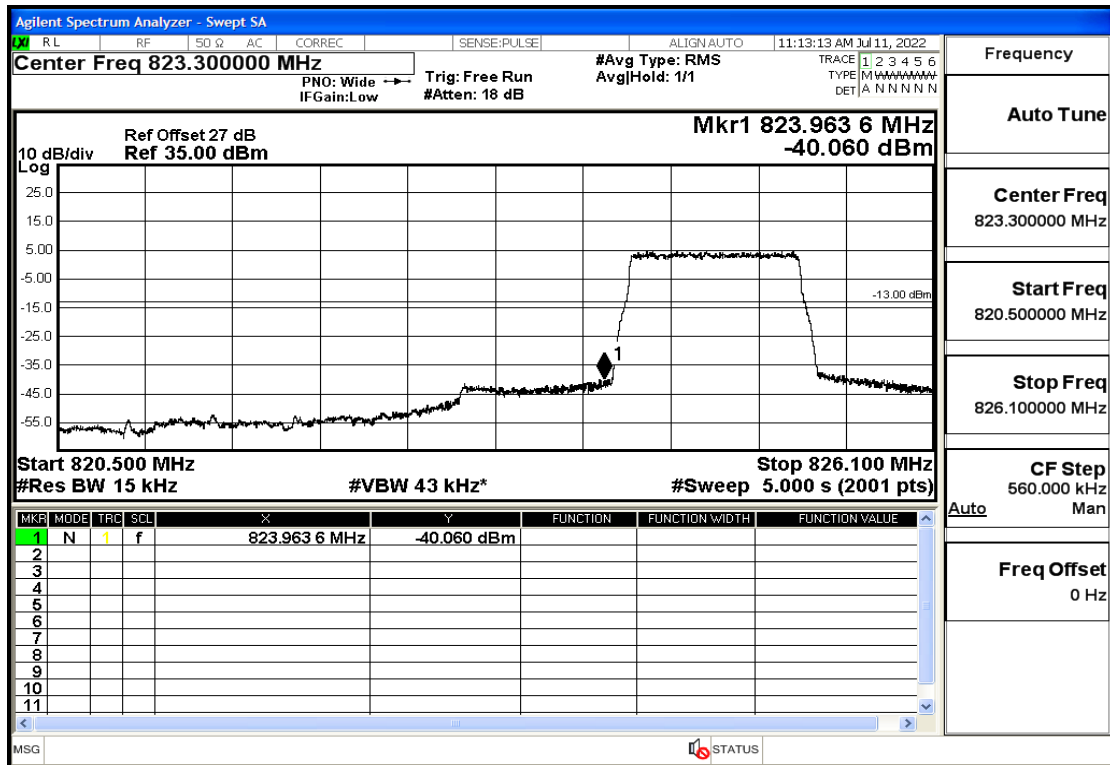
Environmental Conditions

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

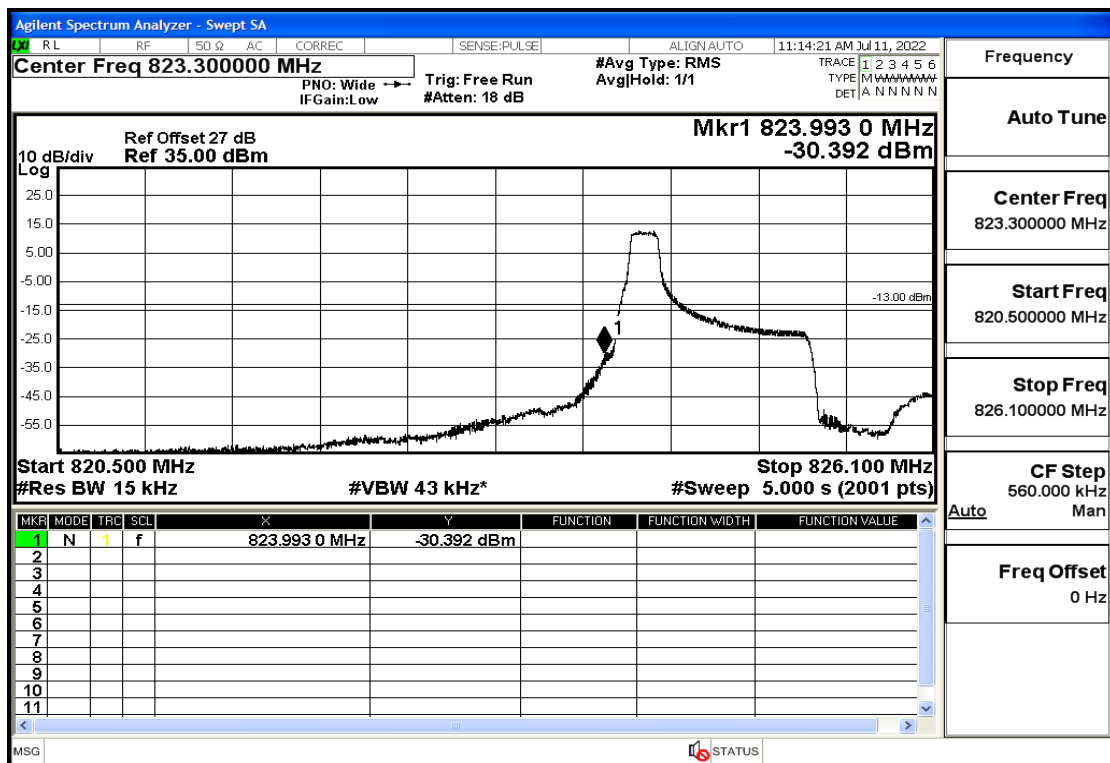
Band Edge and Emission Mask

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	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

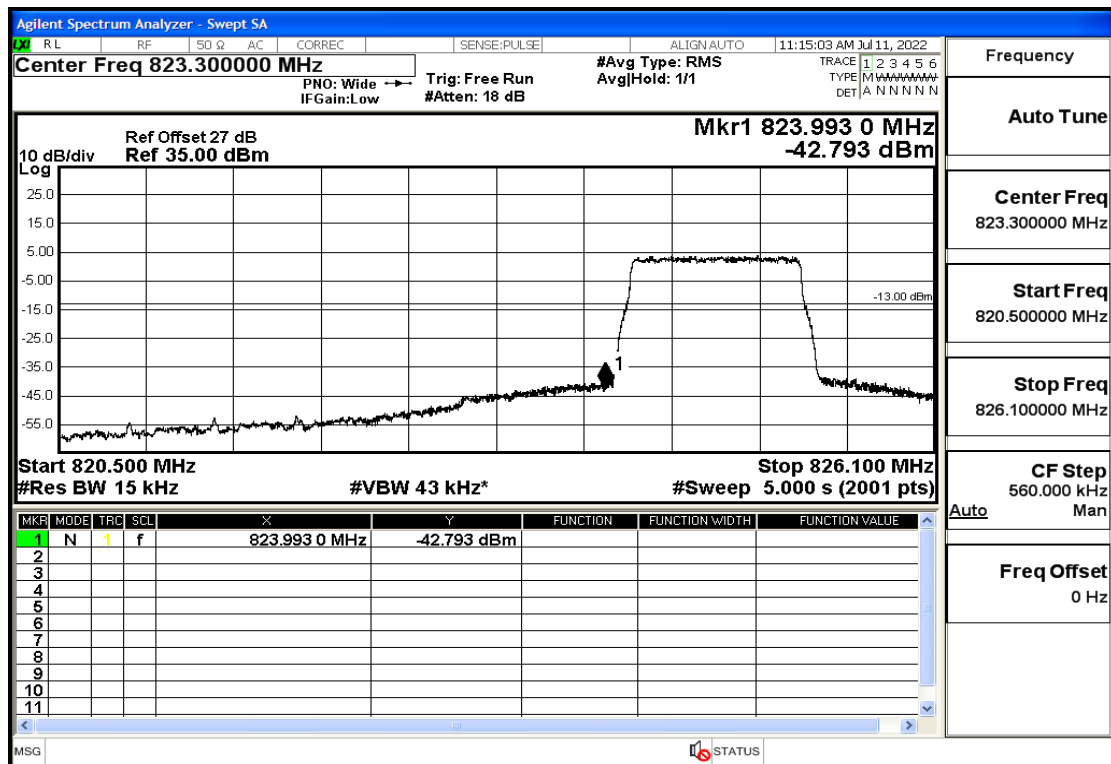
Band5-1.4-824.7-QPSK-6#LOW@Pass



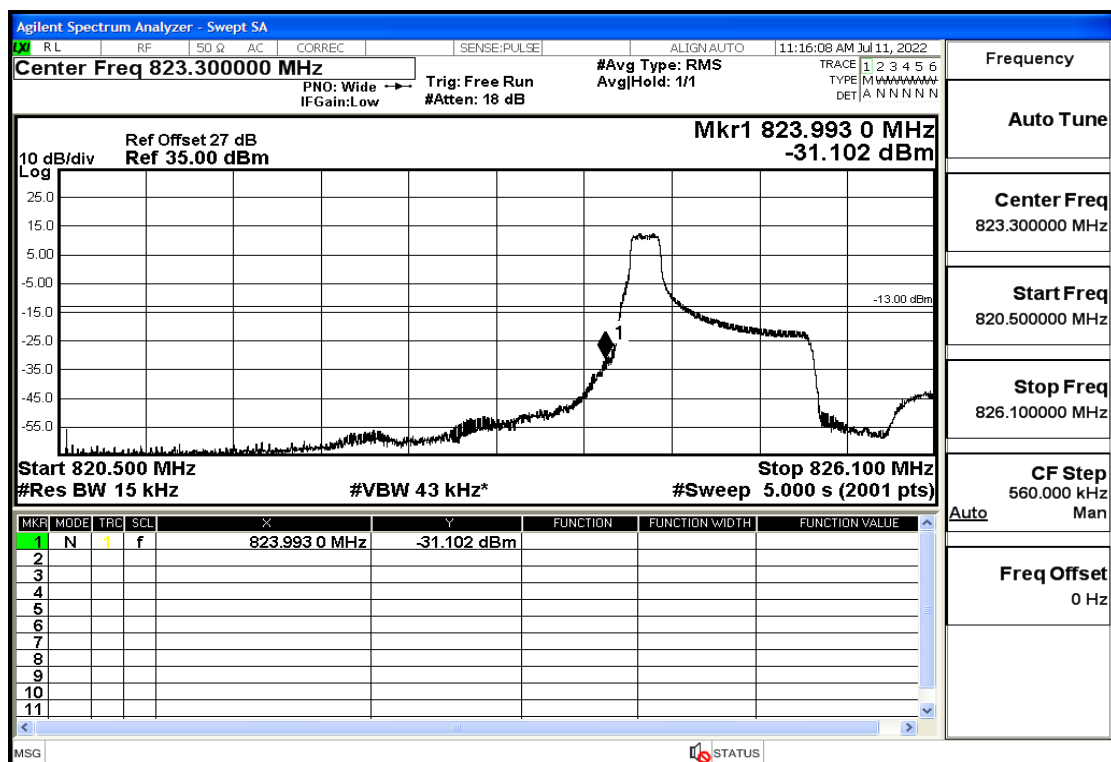
Band5-1.4-824.7-QPSK-1#LOW@Pass



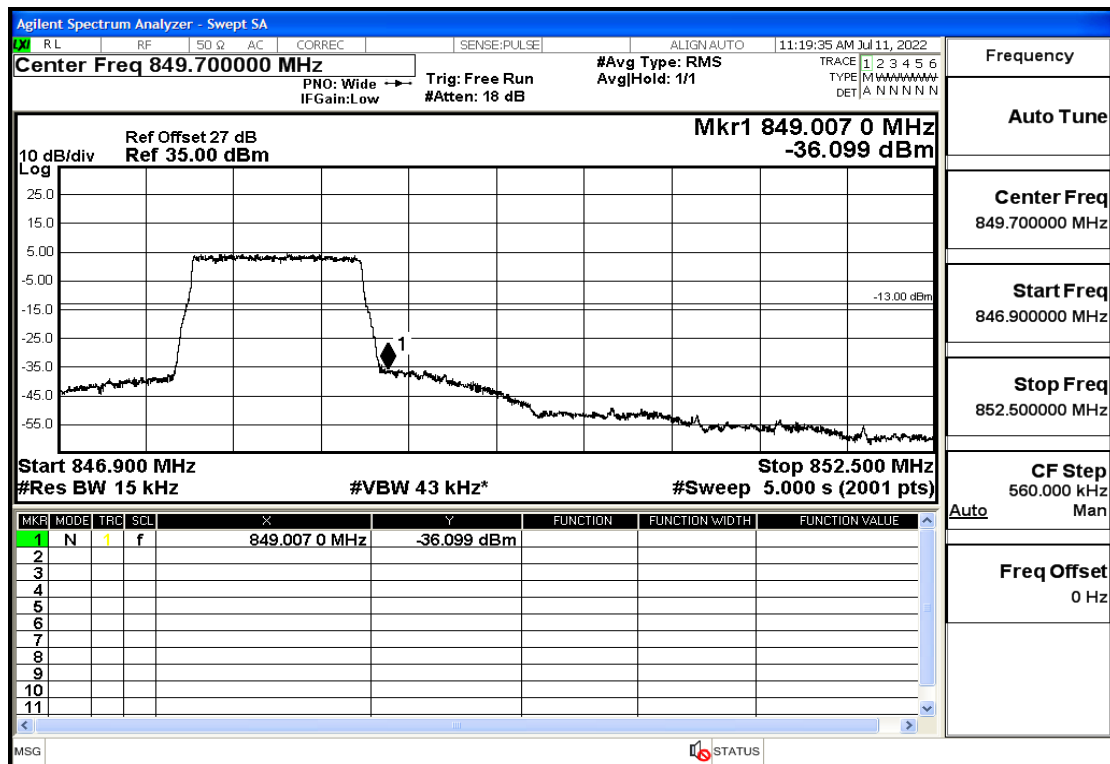
Band5-1.4-824.7-16QAM-6#LOW@Pass



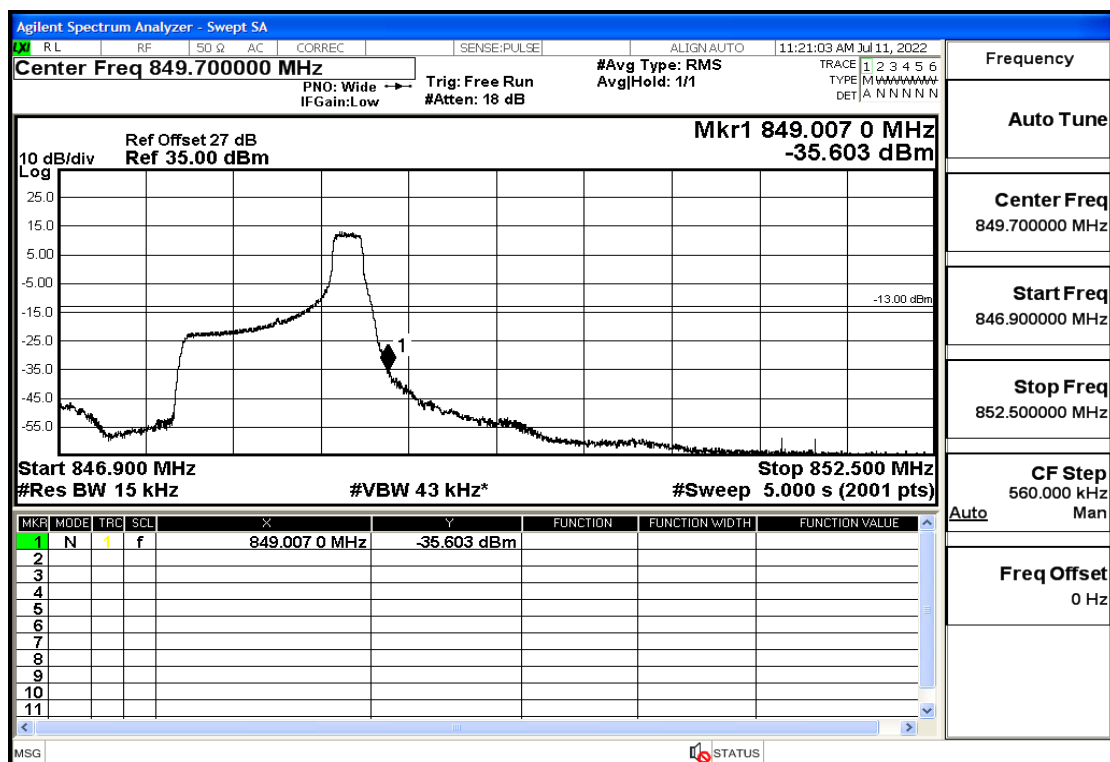
Band5-1.4-824.7-16QAM-1#LOW@Pass



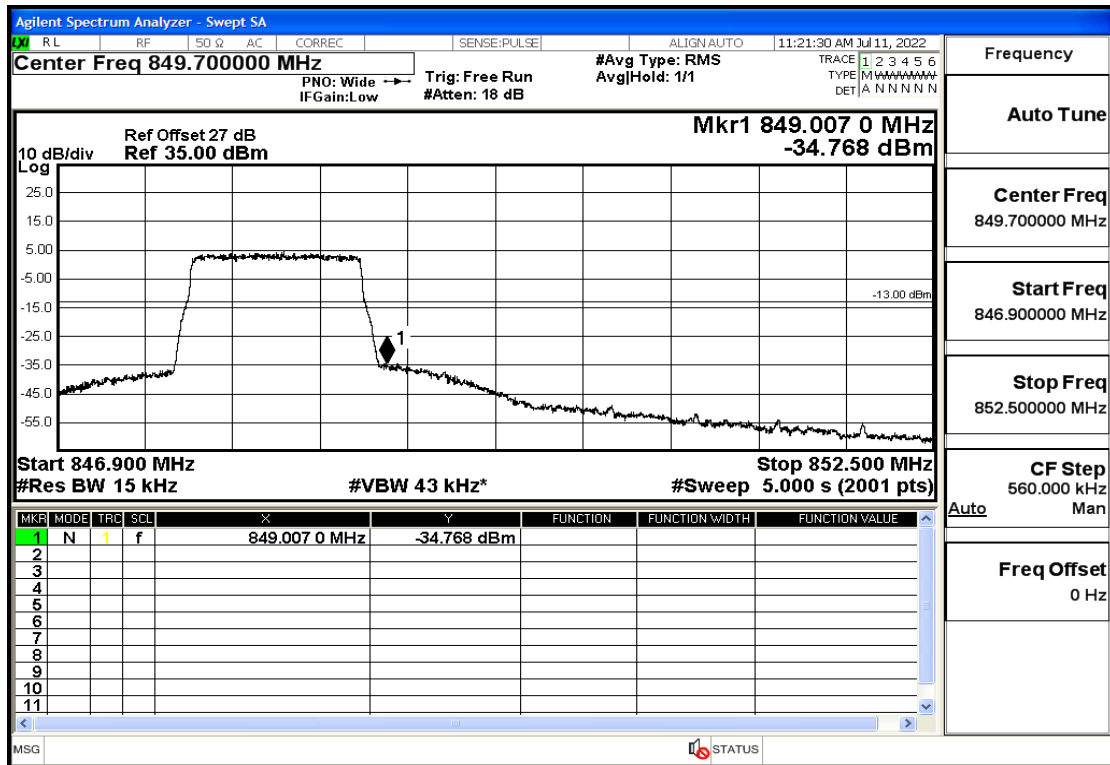
Band5-1.4-848.3-QPSK-6#LOW@Pass



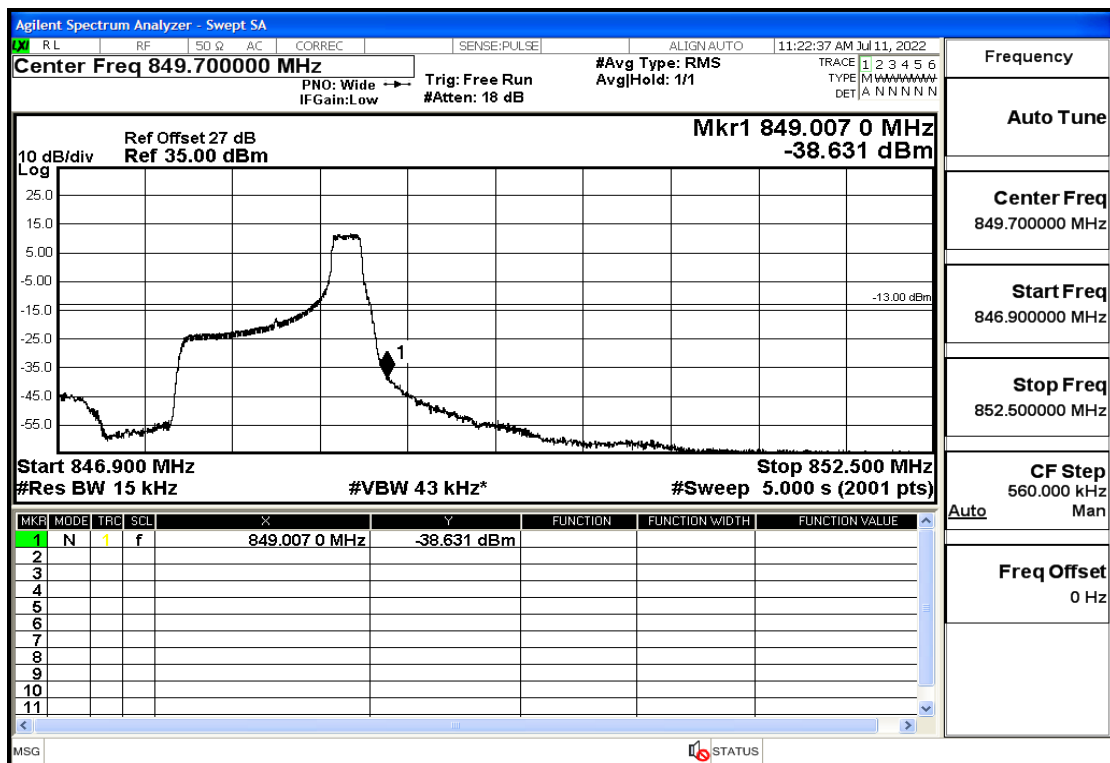
Band5-1.4-848.3-QPSK-1#HIGH@Pass



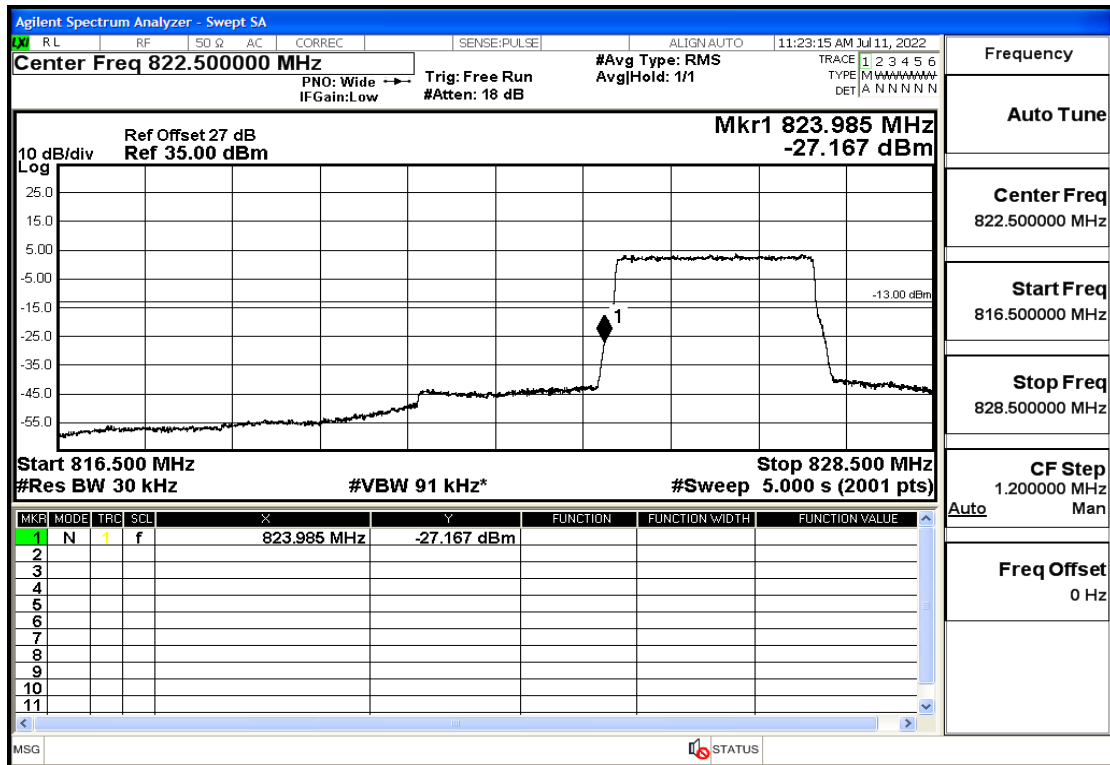
Band5-1.4-848.3-16QAM-6#LOW@Pass



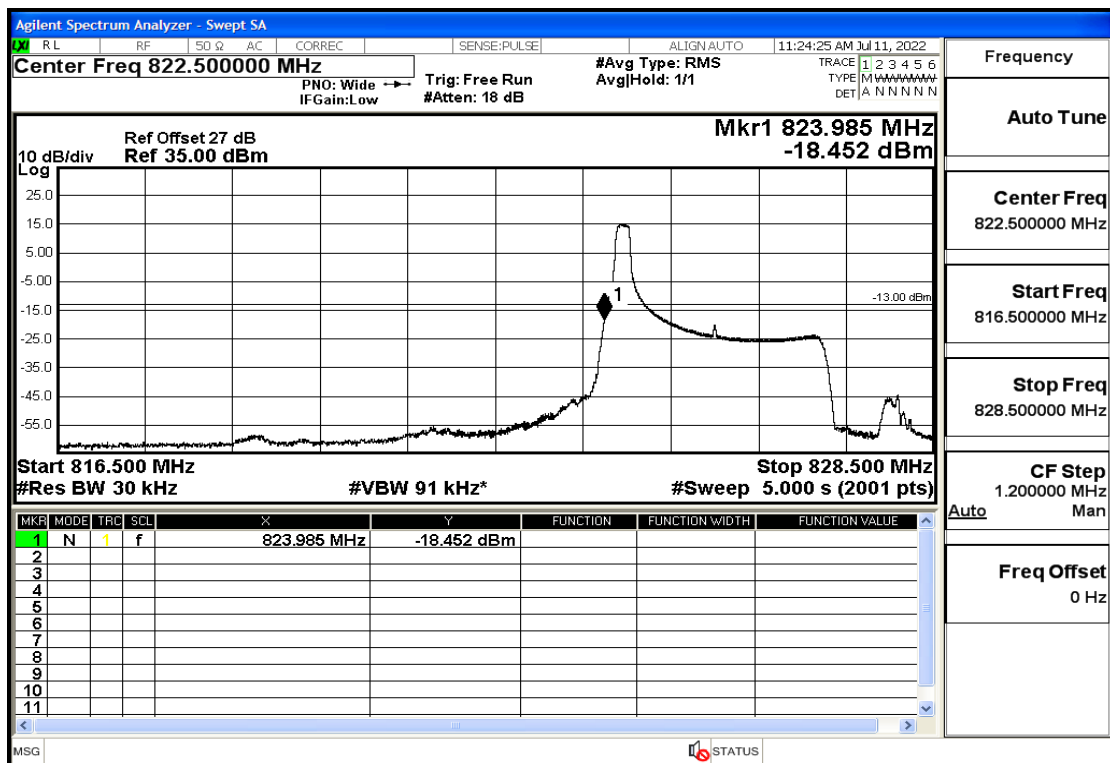
Band5-1.4-848.3-16QAM-1#HIGH@Pass



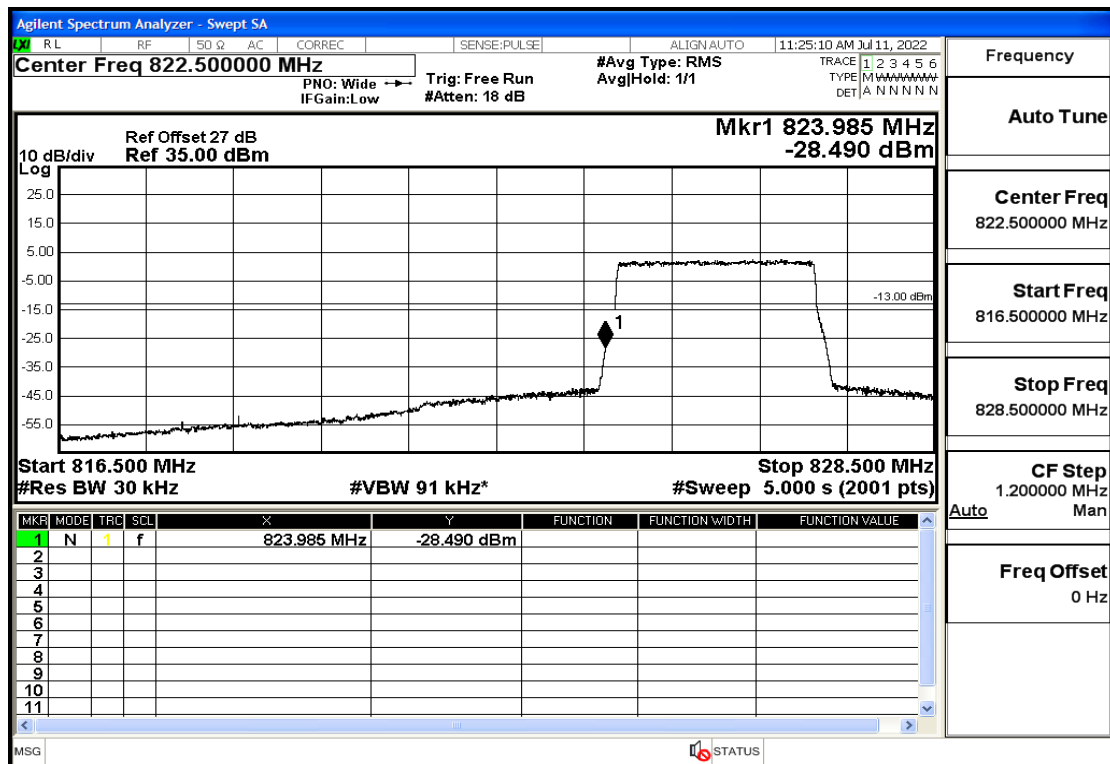
Band5-3-825.5-QPSK-15#LOW@Pass



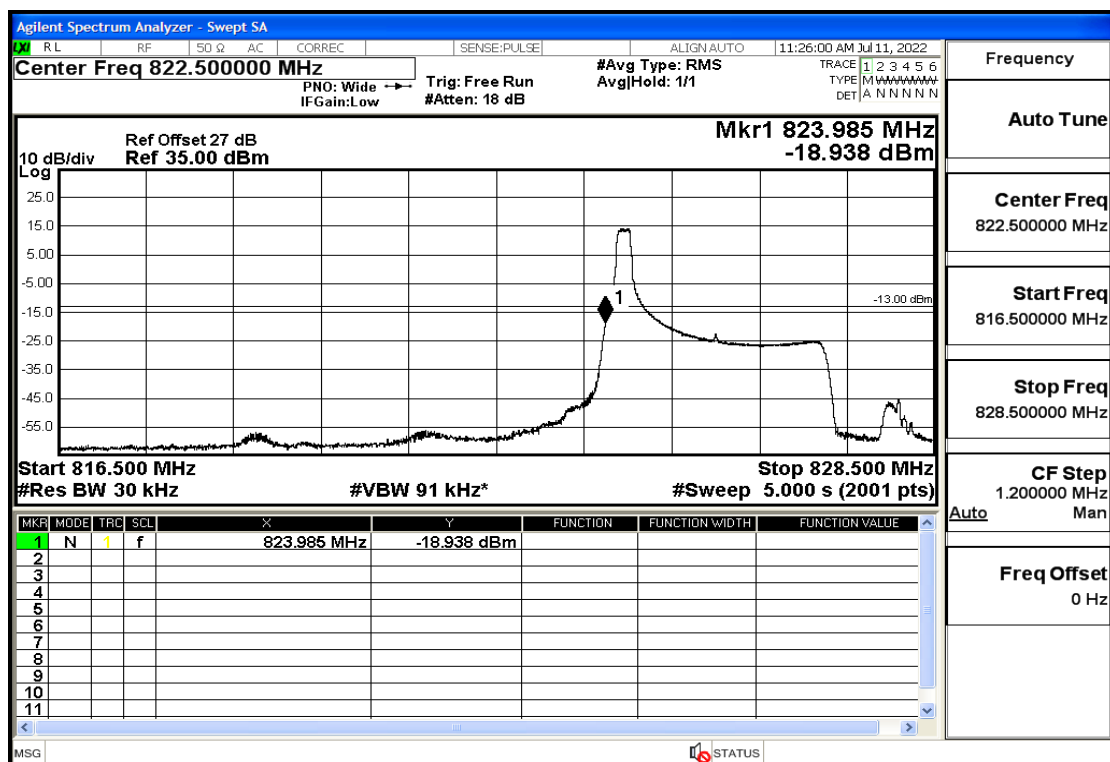
Band5-3-825.5-QPSK-1#LOW@Pass



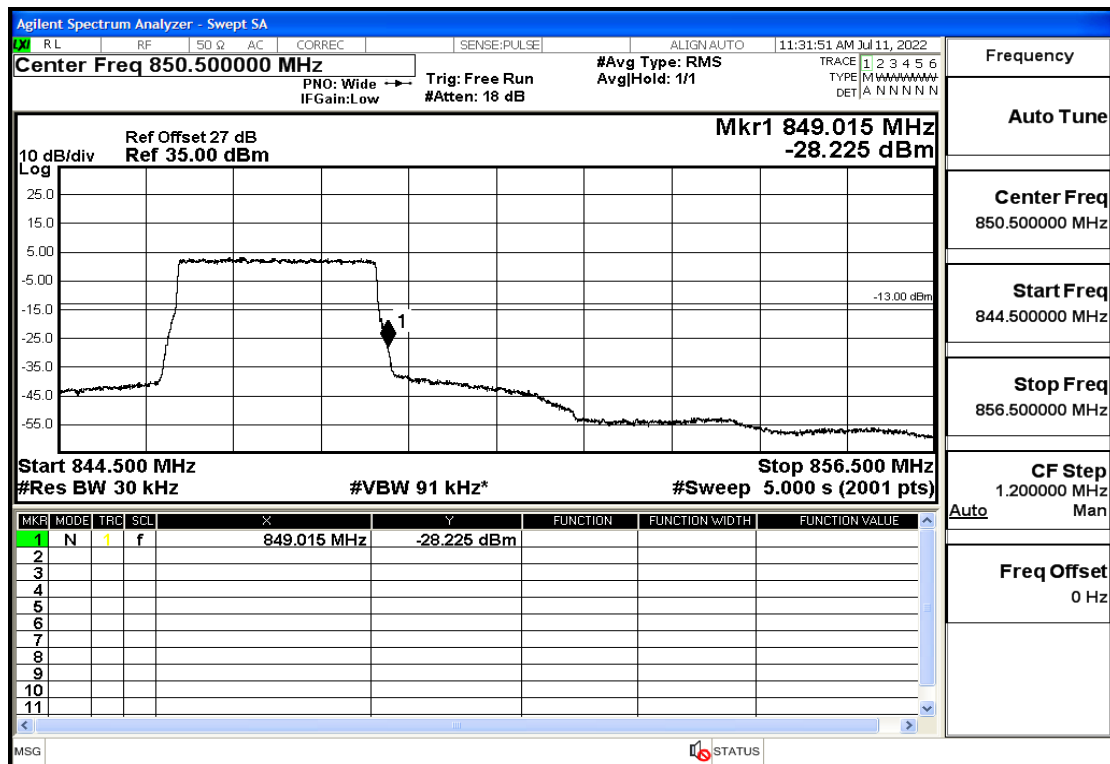
Band5-3-825.5-16QAM-15#LOW@Pass



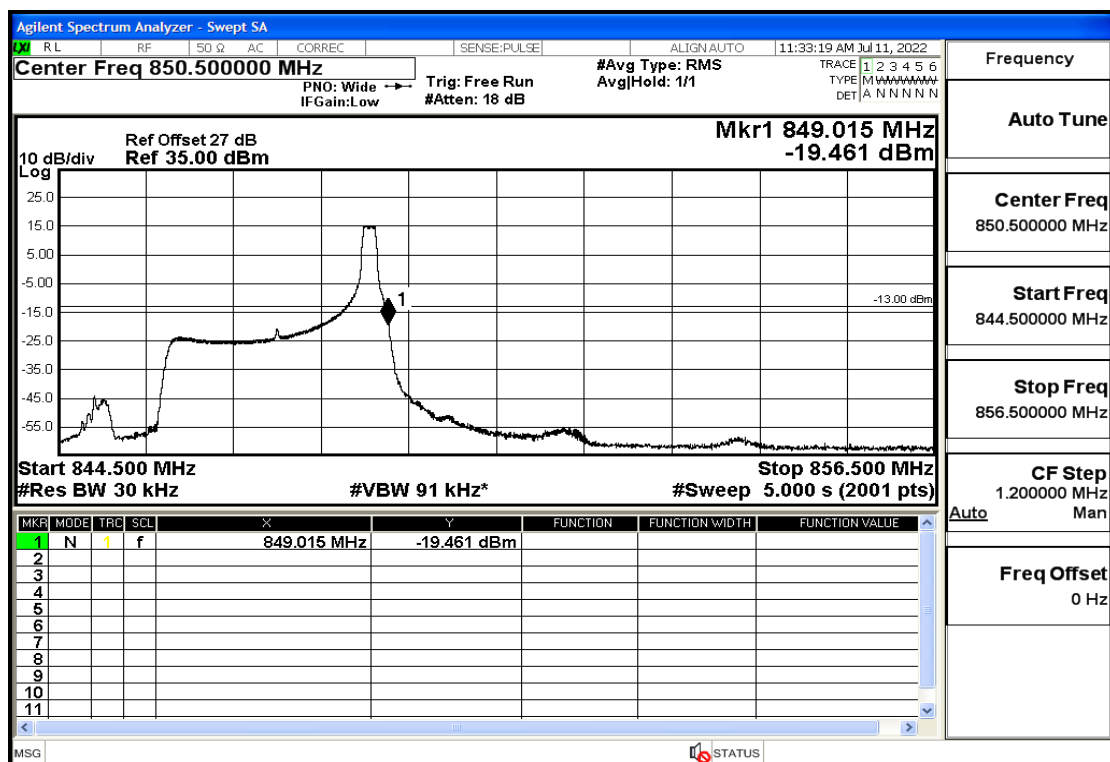
Band5-3-825.5-16QAM-1#LOW@Pass



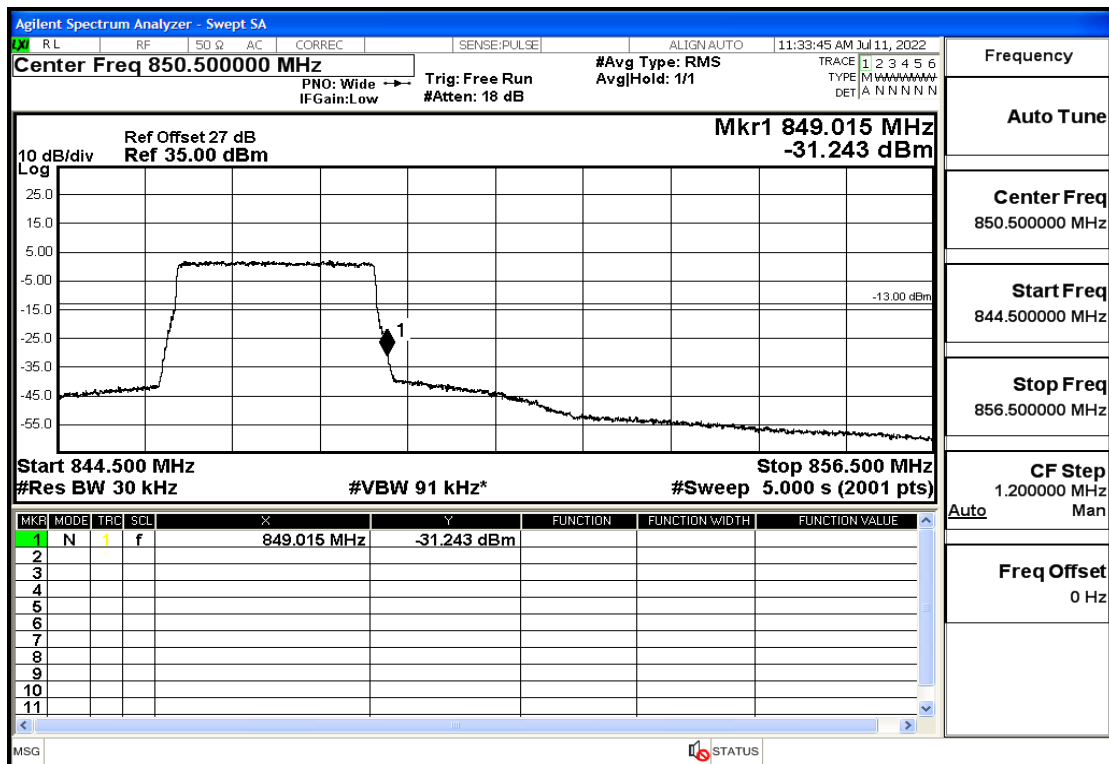
Band5-3-847.5-QPSK-15#LOW@Pass



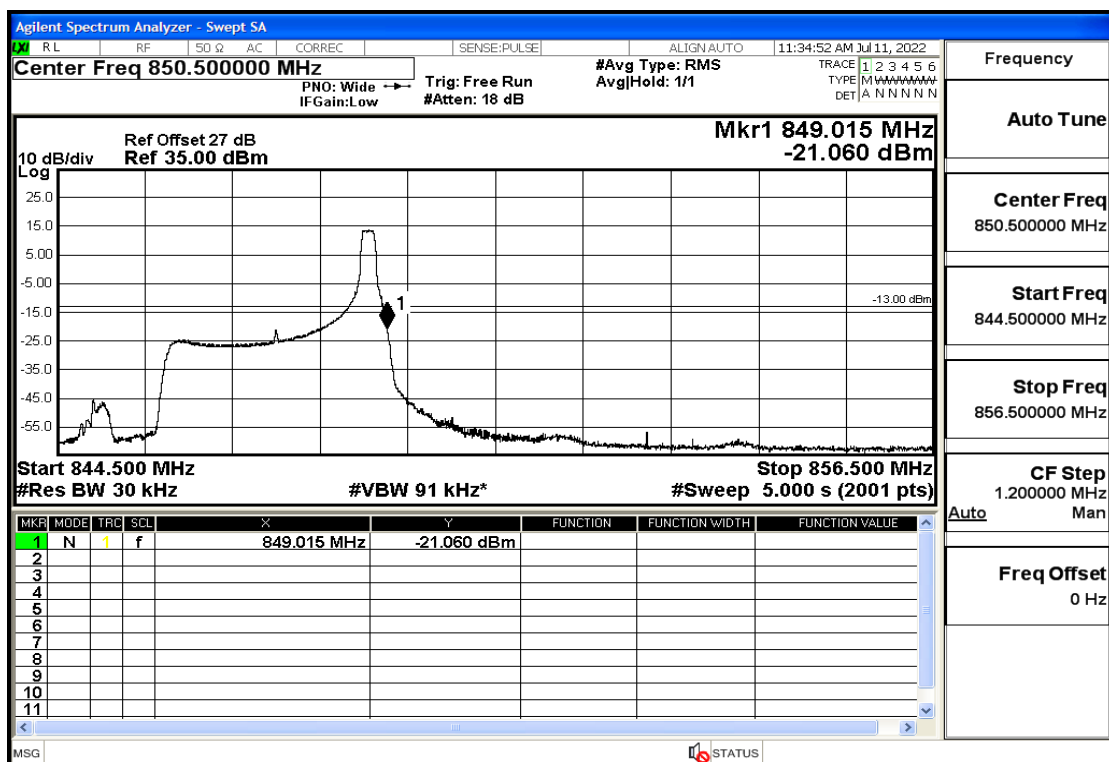
Band5-3-847.5-QPSK-1#HIGH@Pass



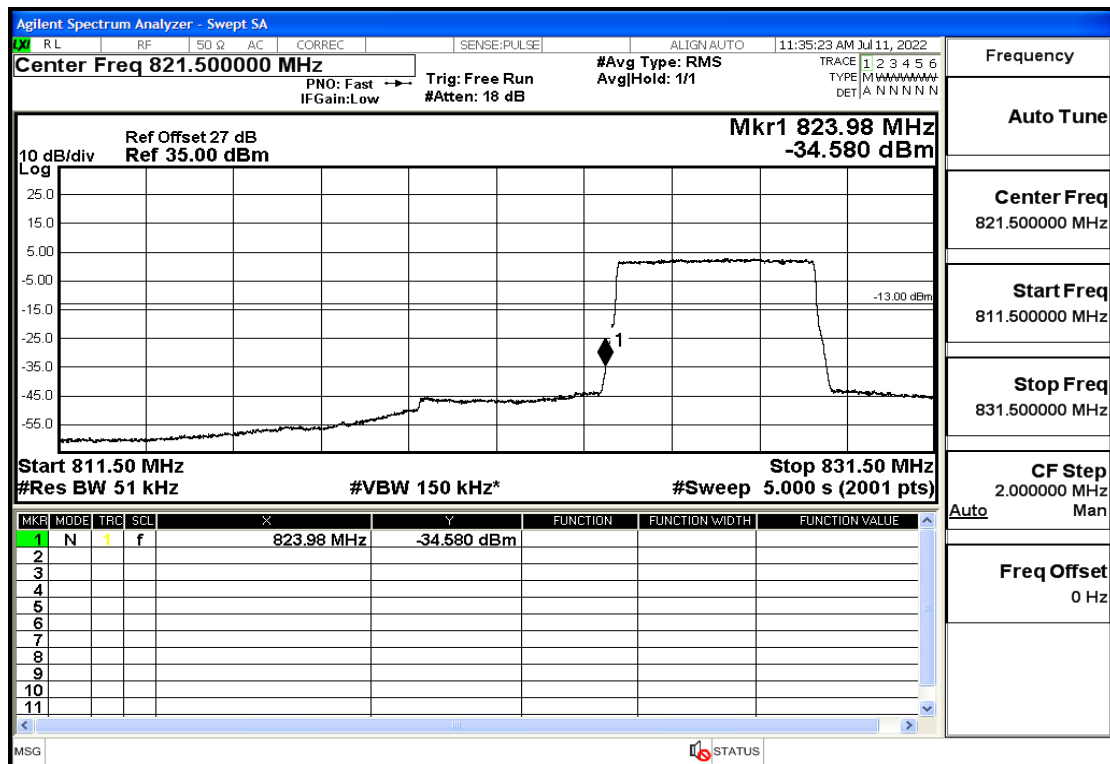
Band5-3-847.5-16QAM-15#LOW@Pass



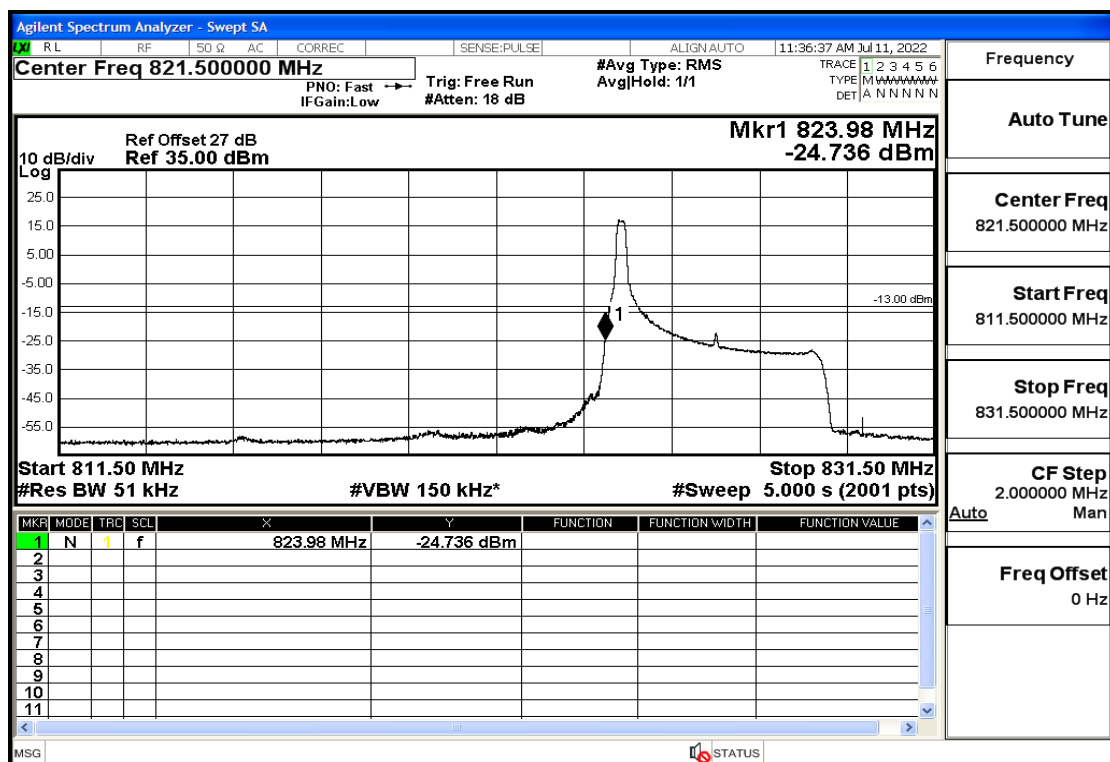
Band5-3-847.5-16QAM-1#HIGH@Pass



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



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



Agilent Spectrum Analyzer - Swept SA

Center Freq 821.500000 MHz

Ref Offset 27 dB
Ref 35.00 dBm

Mkr1 823.98 MHz
-36.384 dBm

Start 811.50 MHz
#Res BW 51 kHz

Stop 831.50 MHz
#Sweep 5.000 s (2001 pts)

#Avg Type: RMS
Avg/Hold: 1/1

Trig: Free Run
#Atten: 18 dB

PN0: Fast
IF Gain: Low

Frequency

Auto Tune

Center Freq
821.500000 MHz

Start Freq
811.500000 MHz

Stop Freq
831.500000 MHz

CF Step
2.000000 MHz

Man

Freq Offset
0 Hz

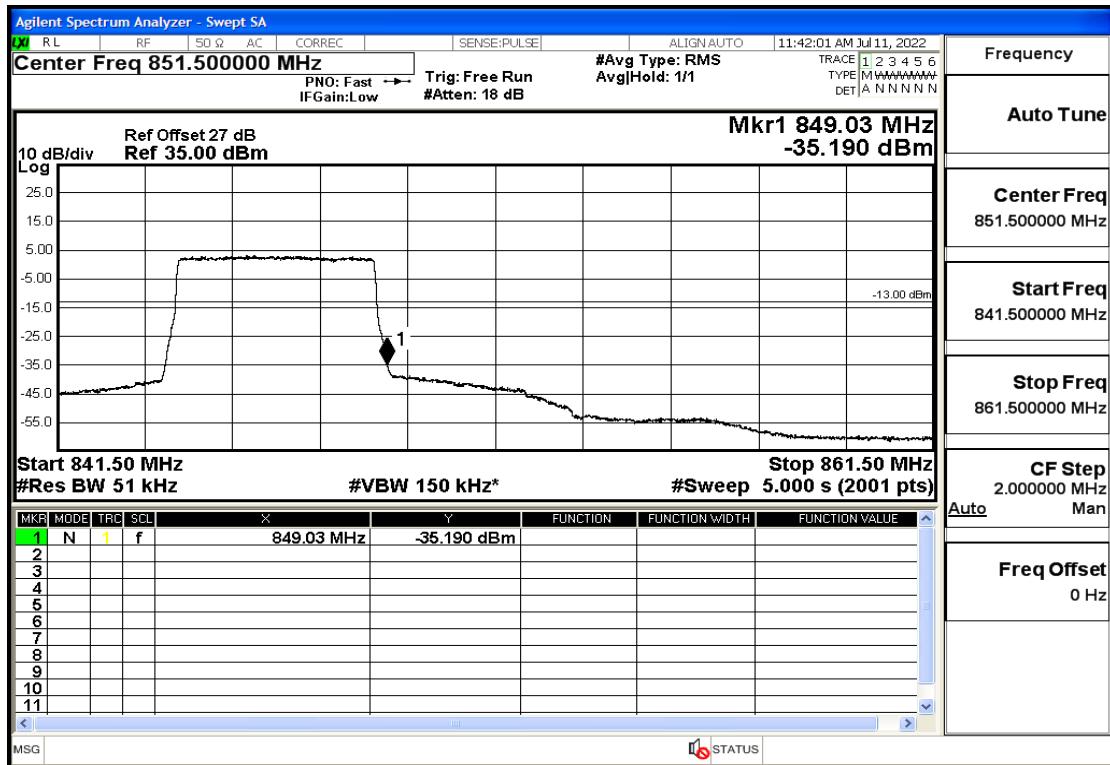
Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	823.98 MHz	-36.384 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG

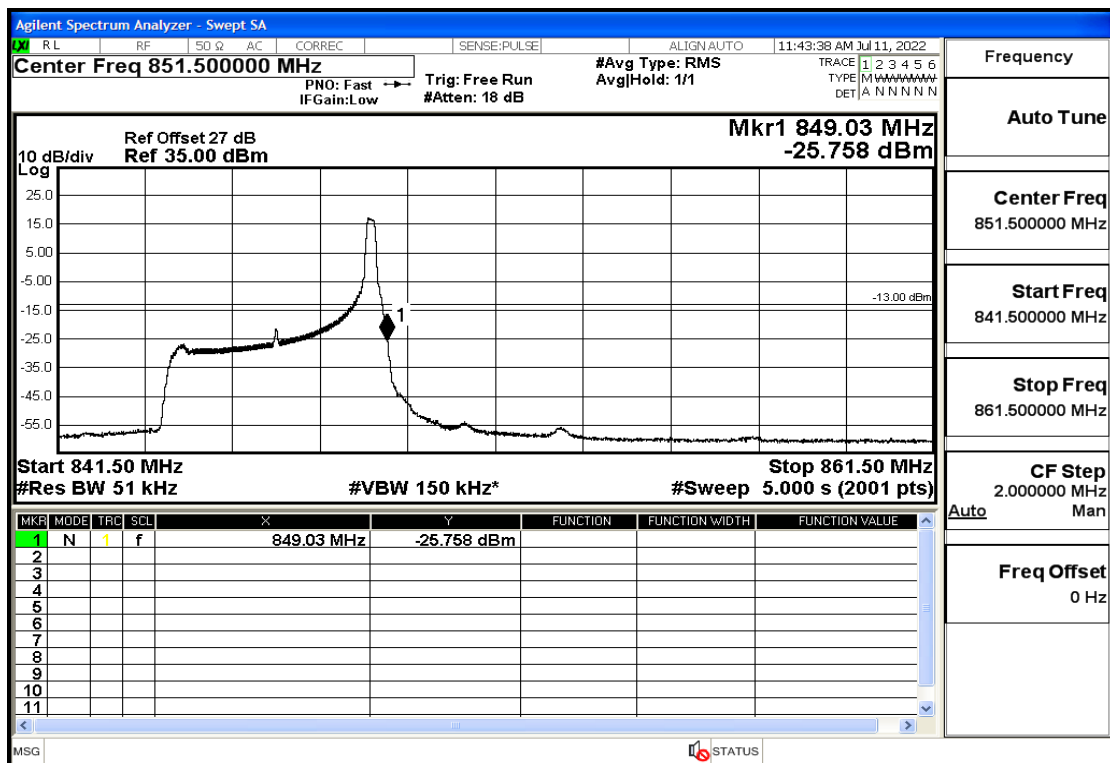
STATUS

[illegible]

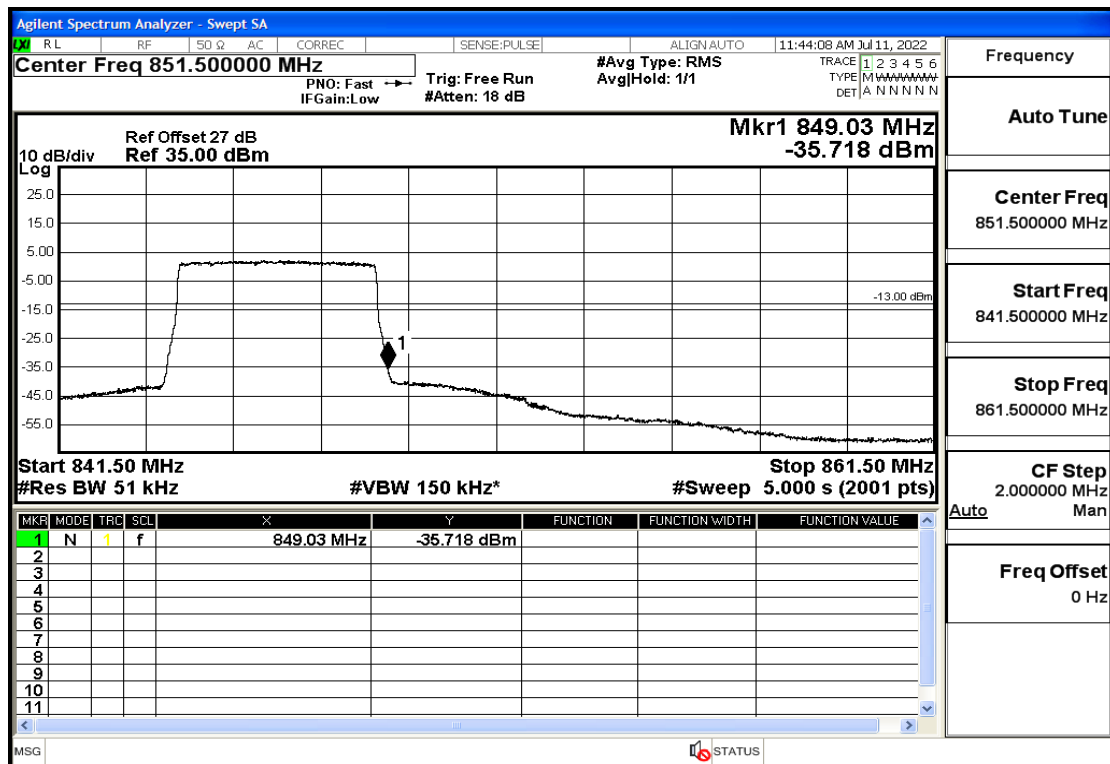
Band5-5-846.5-QPSK-25#LOW@Pass



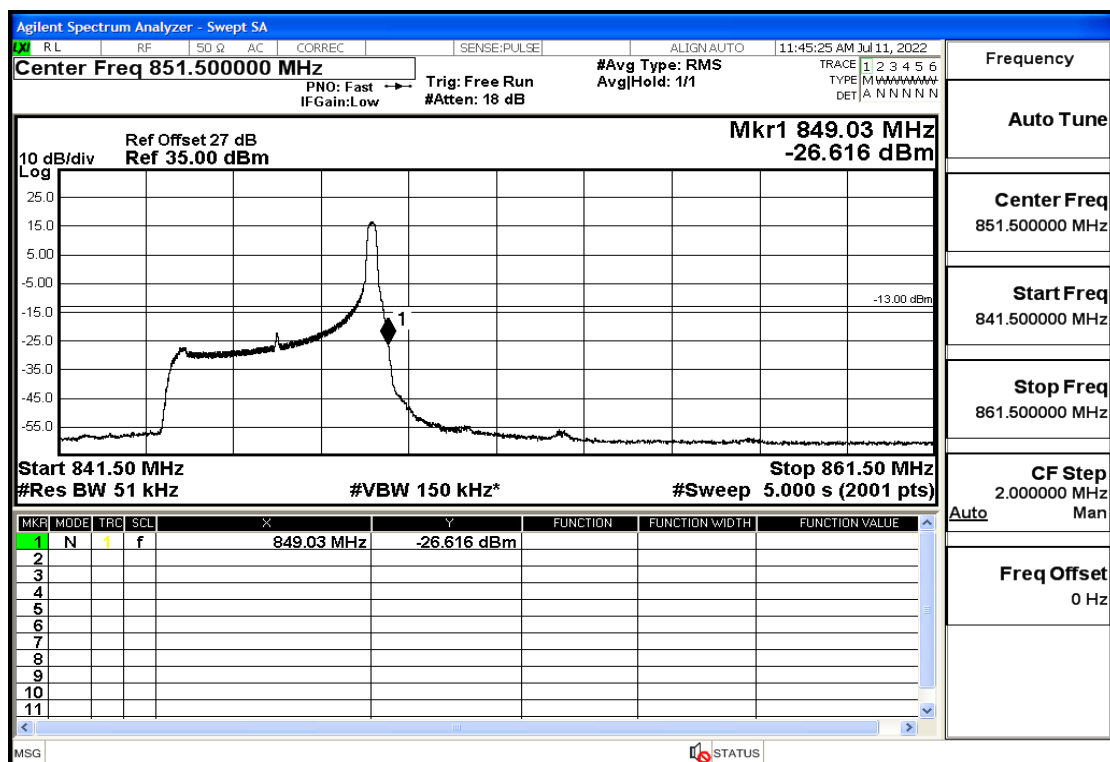
Band5-5-846.5-QPSK-1#HIGH@Pass



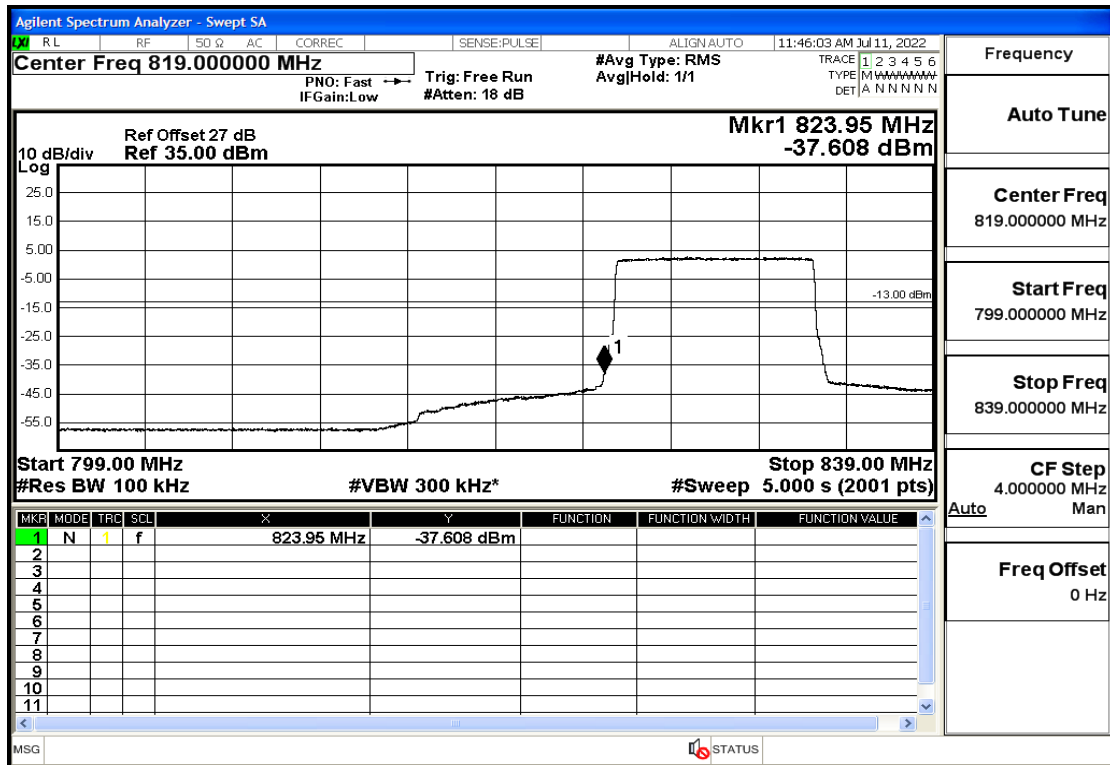
Band5-5-846.5-16QAM-25#LOW@Pass



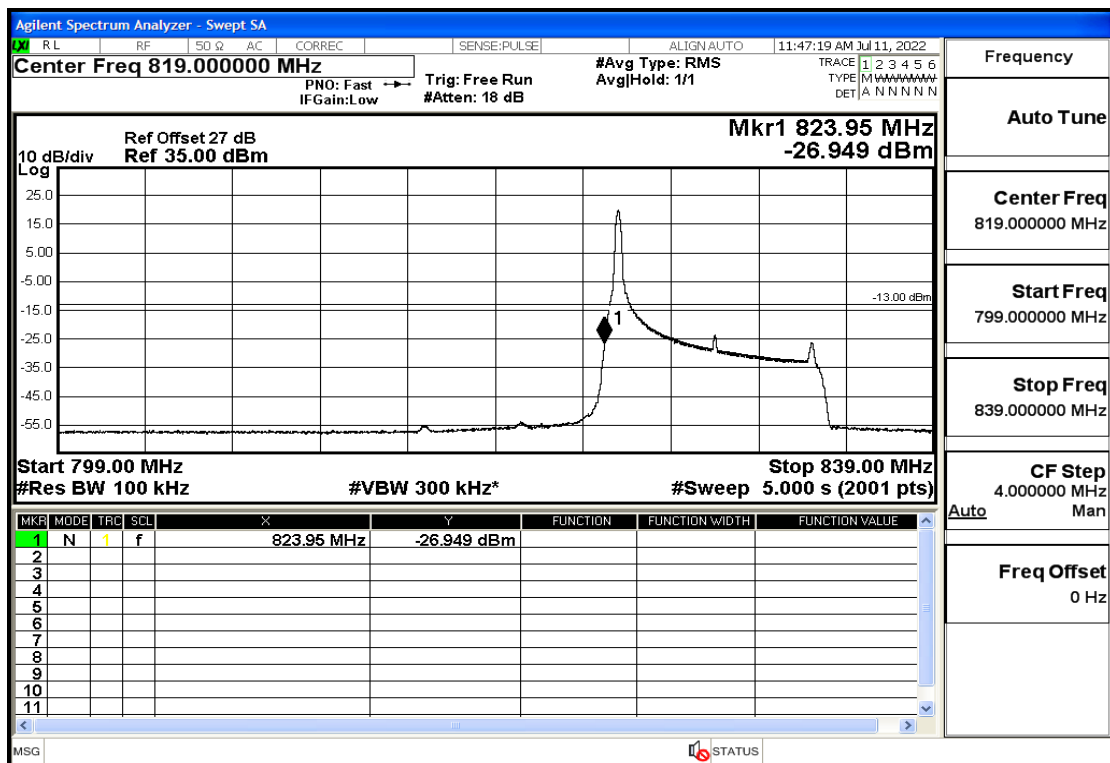
Band5-5-846.5-16QAM-1#HIGH@Pass



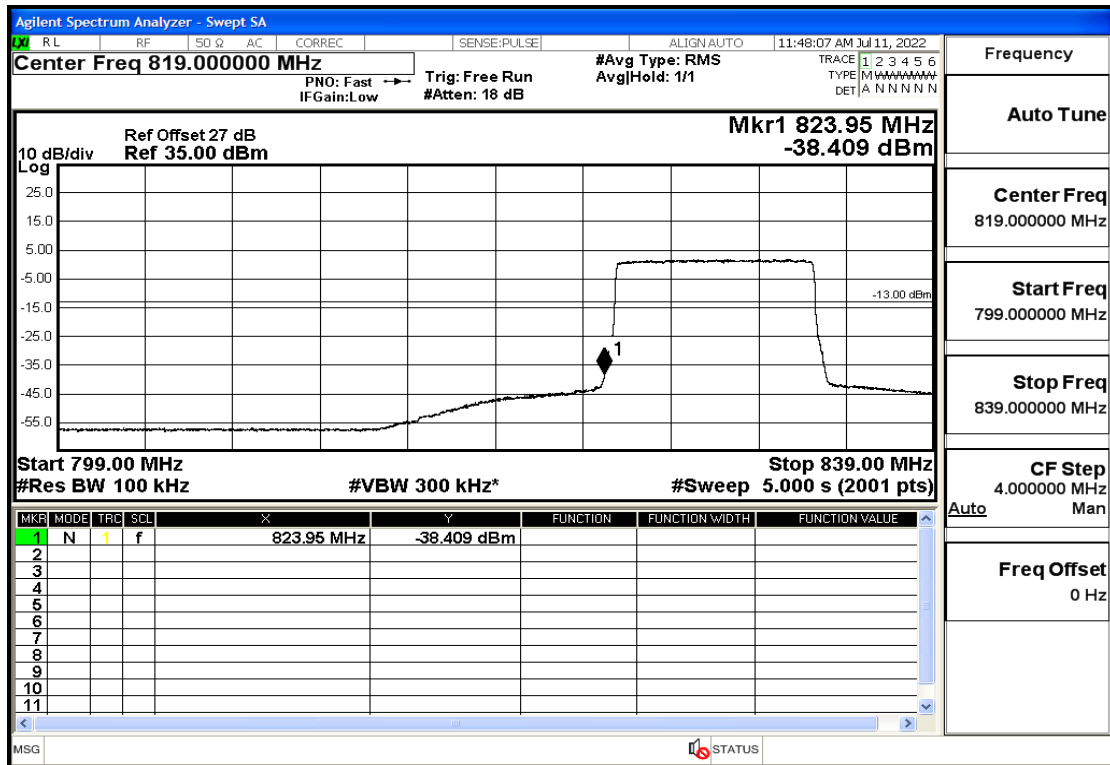
Band5-10-829-QPSK-50#LOW@Pass



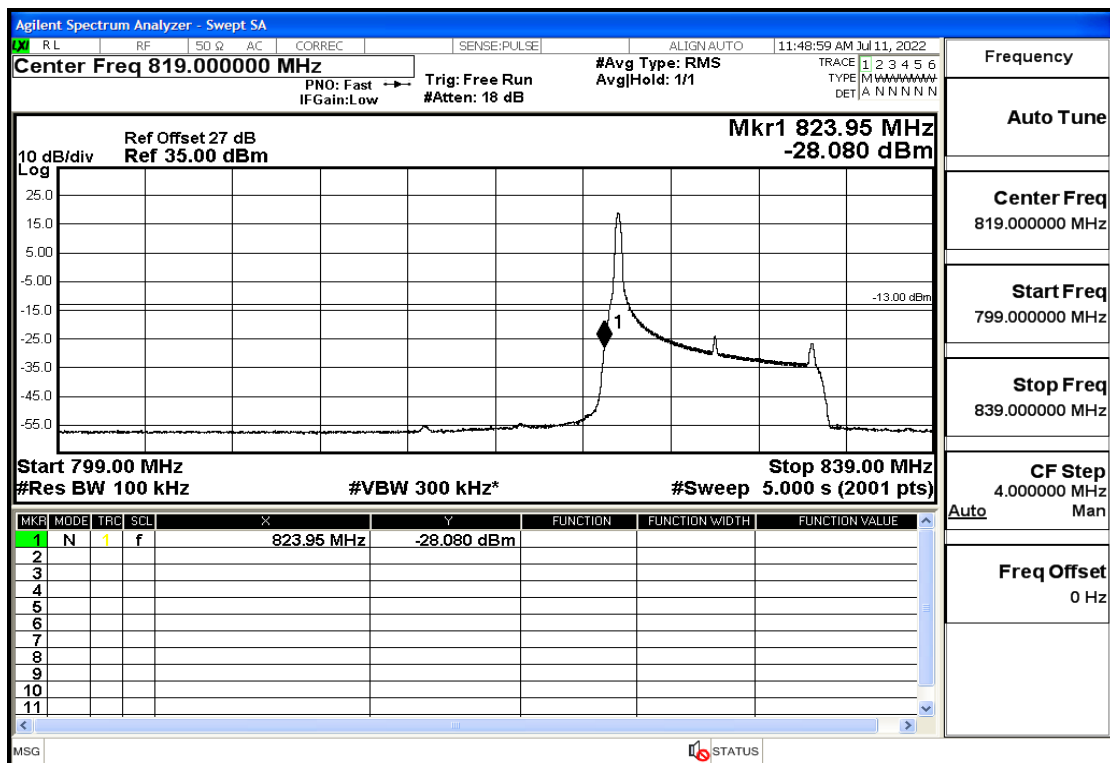
Band5-10-829-QPSK-1#LOW@Pass



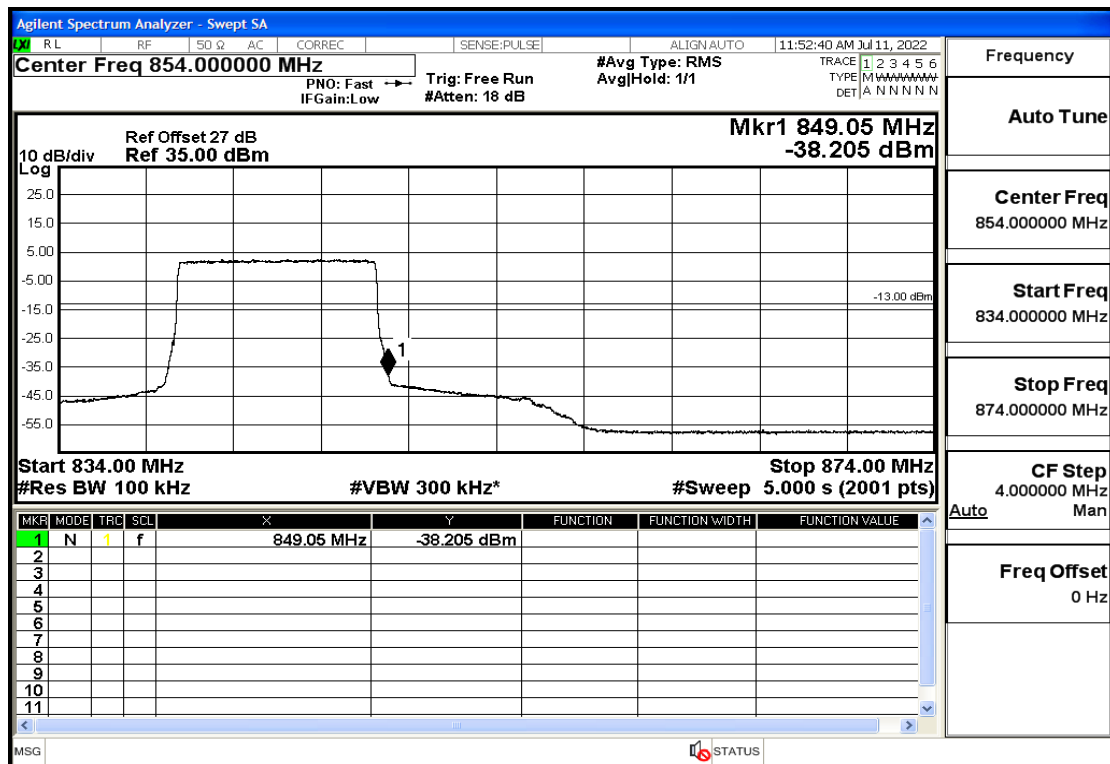
Band5-10-829-16QAM-50#LOW@Pass



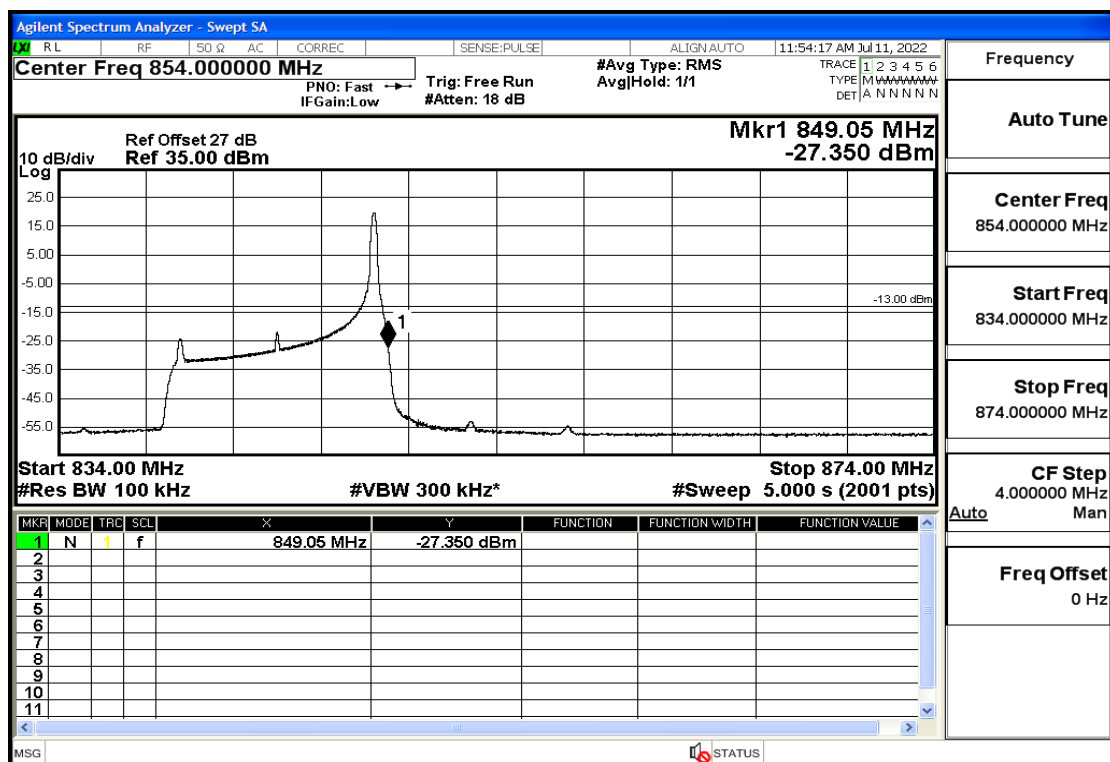
Band5-10-829-16QAM-1#LOW@Pass



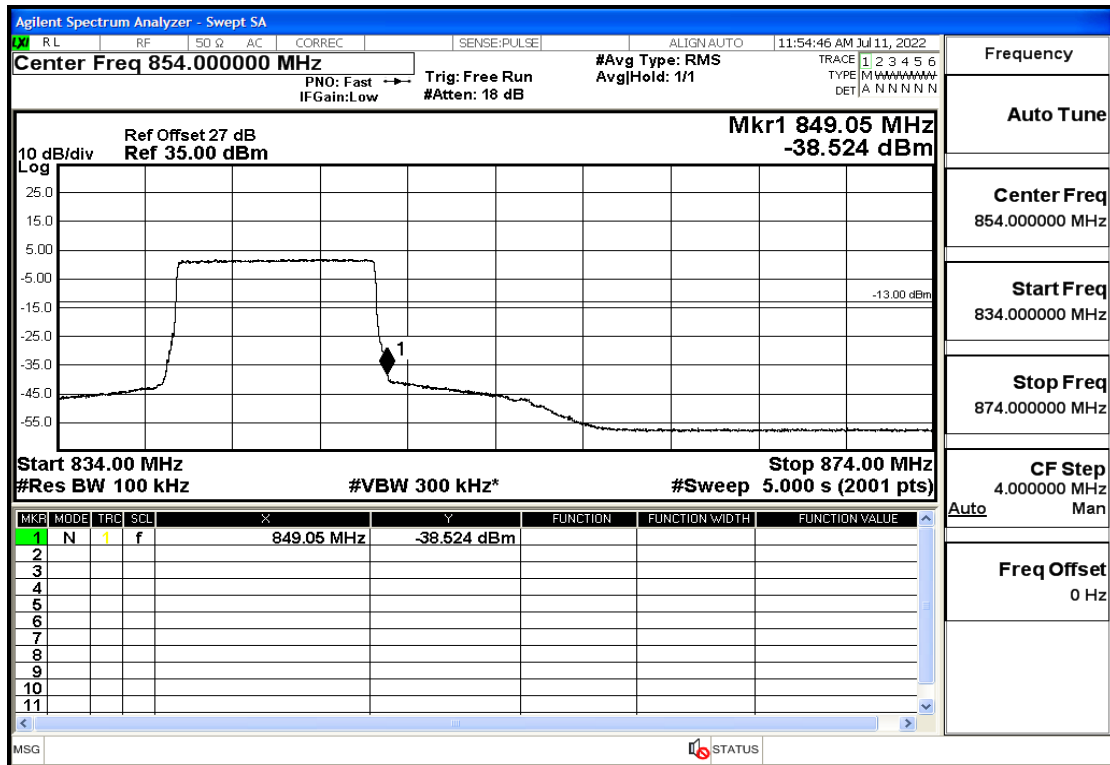
Band5-10-844-QPSK-50#LOW@Pass



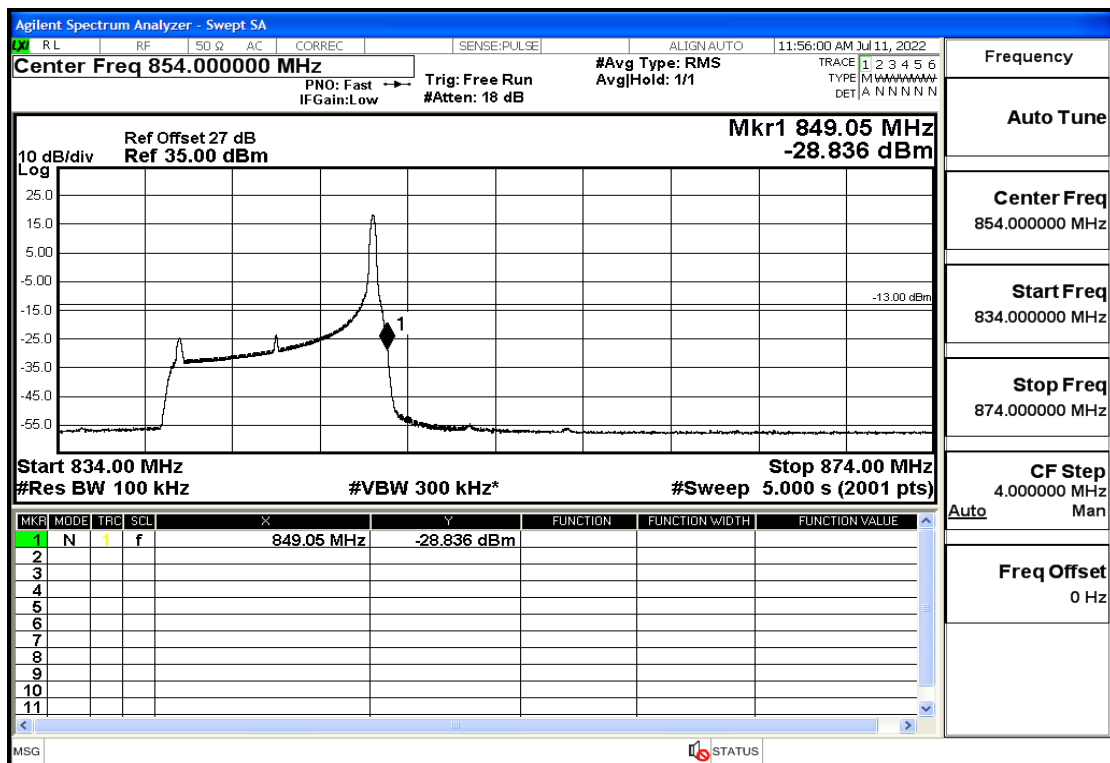
Band5-10-844-QPSK-1#HIGH@Pass



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



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

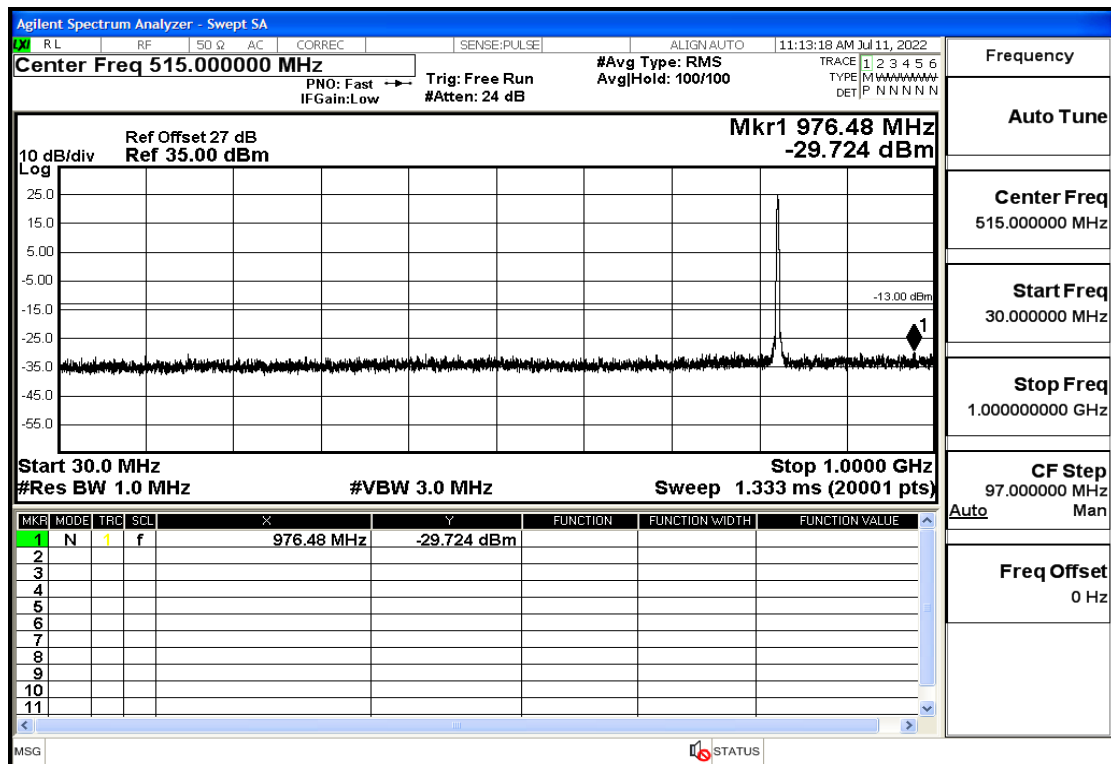


Conducted Spurious Emission

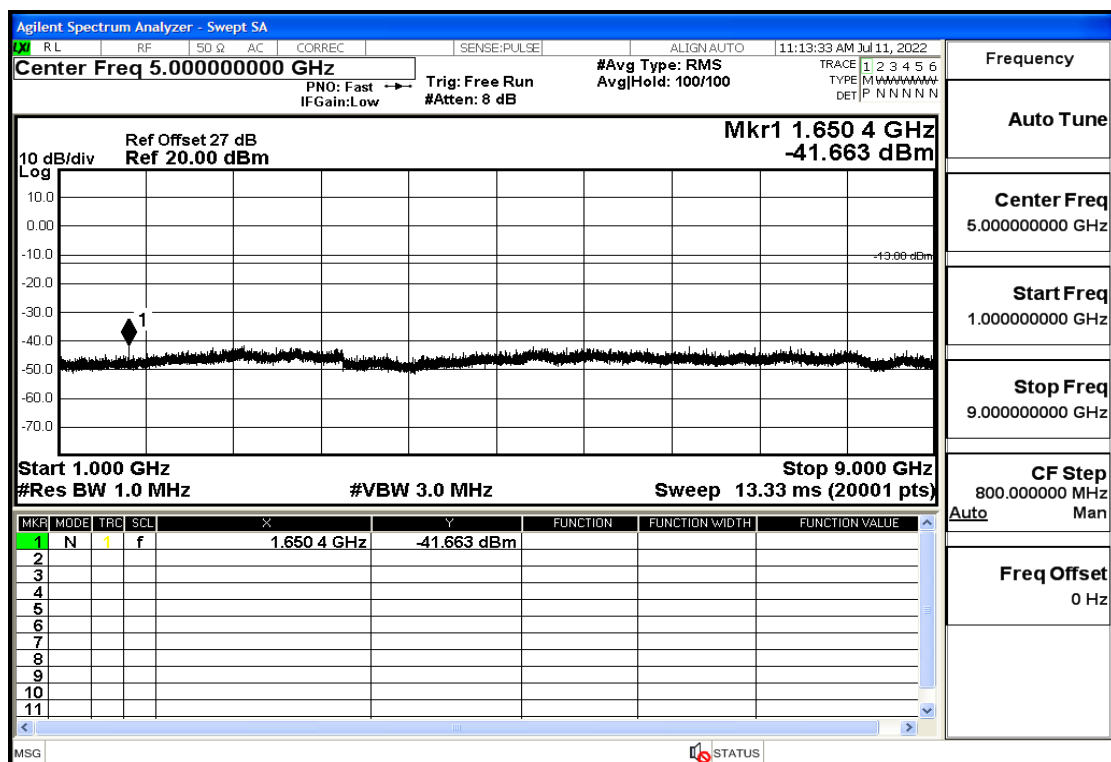
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Test Condition	Transmitter Spurious Emission(Pass/Fail)
OB5	1.4	824.7	QPSK	6	LOW	30mHz-1GHz	Pass
OB5	1.4	824.7	QPSK	6	LOW	1GHz-9GHz	Pass
OB5	1.4	836.5	QPSK	6	LOW	30mHz-1GHz	Pass
OB5	1.4	836.5	QPSK	6	LOW	1GHz-9GHz	Pass
OB5	1.4	848.3	QPSK	6	LOW	30mHz-1GHz	Pass
OB5	1.4	848.3	QPSK	6	LOW	1GHz-9GHz	Pass
OB5	3	825.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB5	3	825.5	QPSK	15	LOW	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	847.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB5	3	847.5	QPSK	15	LOW	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	836.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB5	5	836.5	QPSK	25	LOW	1GHz-9GHz	Pass
OB5	5	846.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB5	5	846.5	QPSK	25	LOW	1GHz-9GHz	Pass
OB5	10	829	QPSK	50	LOW	30mHz-1GHz	Pass
OB5	10	829	QPSK	50	LOW	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	844	QPSK	50	LOW	30mHz-1GHz	Pass
OB5	10	844	QPSK	50	LOW	1GHz-9GHz	Pass
OB5	1.4	824.7	Q16	6	LOW	30mHz-1GHz	Pass
OB5	1.4	824.7	Q16	6	LOW	1GHz-9GHz	Pass
OB5	1.4	836.5	Q16	6	LOW	30mHz-1GHz	Pass
OB5	1.4	836.5	Q16	6	LOW	1GHz-9GHz	Pass
OB5	1.4	848.3	Q16	6	LOW	30mHz-1GHz	Pass
OB5	1.4	848.3	Q16	6	LOW	1GHz-9GHz	Pass
OB5	3	825.5	Q16	15	LOW	30mHz-1GHz	Pass
OB5	3	825.5	Q16	15	LOW	1GHz-9GHz	Pass
OB5	3	836.5	Q16	15	LOW	30mHz-1GHz	Pass
OB5	3	836.5	Q16	15	LOW	1GHz-9GHz	Pass
OB5	3	847.5	Q16	15	LOW	30mHz-1GHz	Pass
OB5	3	847.5	Q16	15	LOW	1GHz-9GHz	Pass
OB5	5	826.5	Q16	25	LOW	30mHz-1GHz	Pass
OB5	5	826.5	Q16	25	LOW	1GHz-9GHz	Pass
OB5	5	836.5	Q16	25	LOW	30mHz-1GHz	Pass
OB5	5	836.5	Q16	25	LOW	1GHz-9GHz	Pass

OB5	5	846.5	Q16	25	LOW	30mHz-1GHz	Pass
OB5	5	846.5	Q16	25	LOW	1GHz-9GHz	Pass
OB5	10	829	Q16	50	LOW	30mHz-1GHz	Pass
OB5	10	829	Q16	50	LOW	1GHz-9GHz	Pass
OB5	10	836.5	Q16	50	LOW	30mHz-1GHz	Pass
OB5	10	836.5	Q16	50	LOW	1GHz-9GHz	Pass
OB5	10	844	Q16	50	LOW	30mHz-1GHz	Pass
OB5	10	844	Q16	50	LOW	1GHz-9GHz	Pass

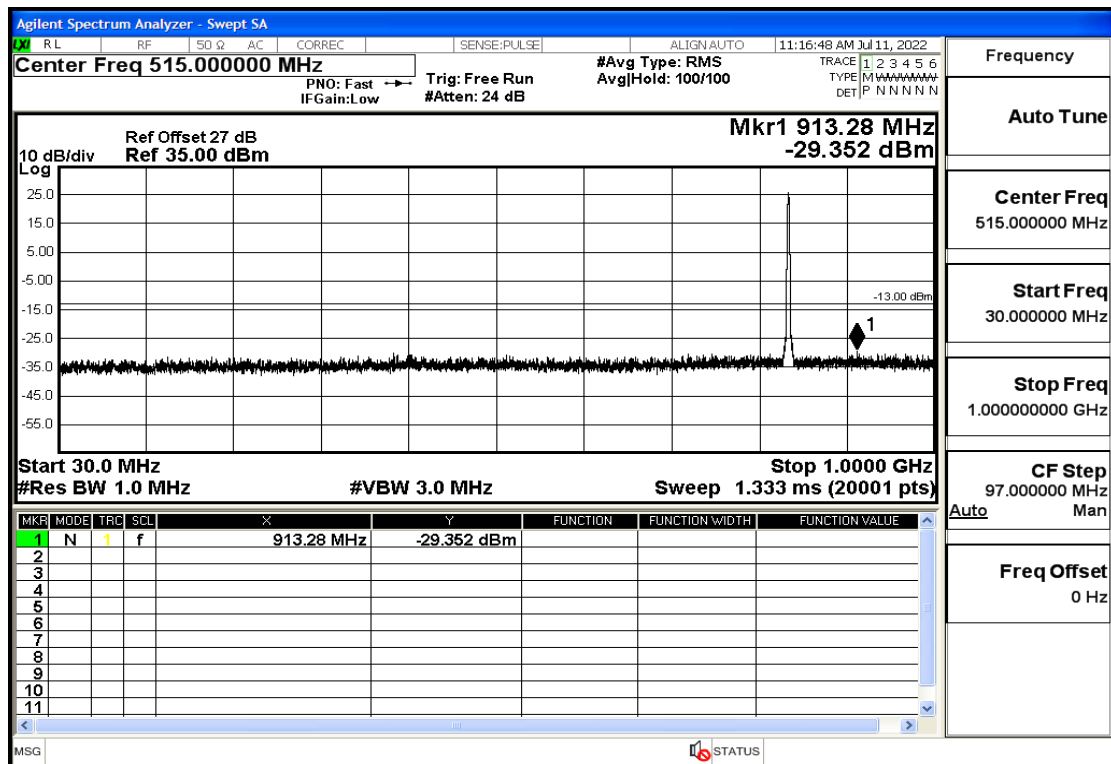
OB5-1.4-824.7-QPSK-6#LOW@30mHz-1GHz@Pass



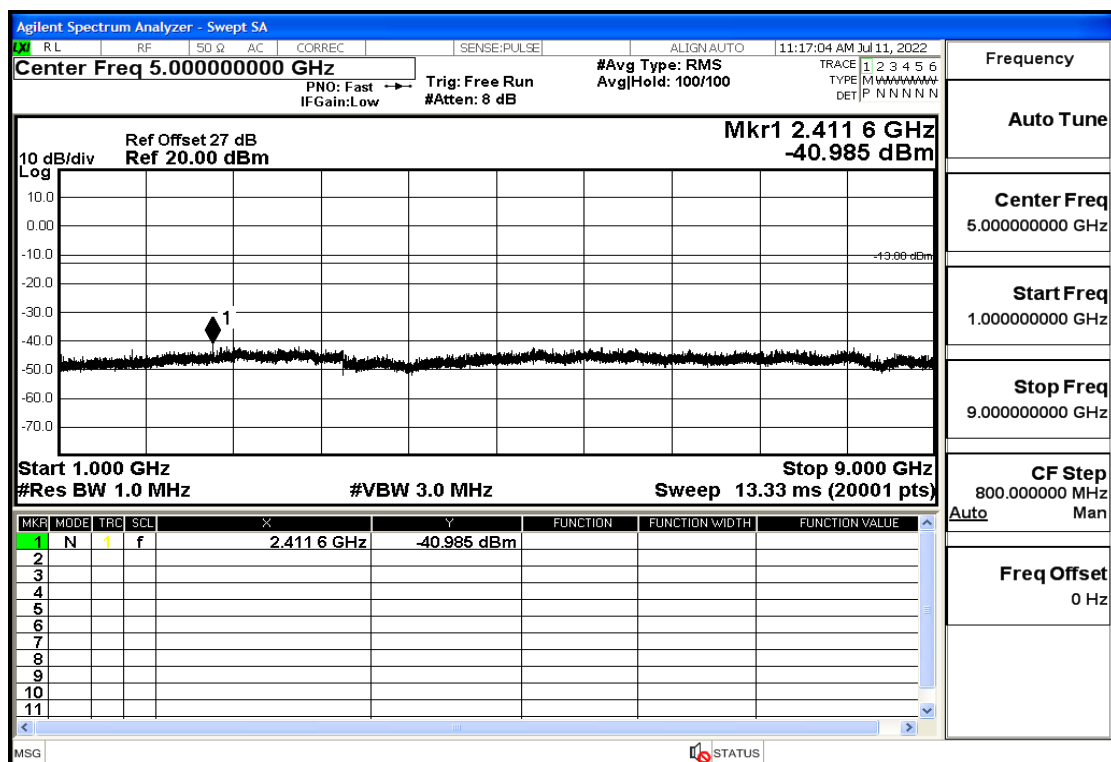
OB5-1.4-824.7-QPSK-6#LOW@1GHz-9GHz@Pass



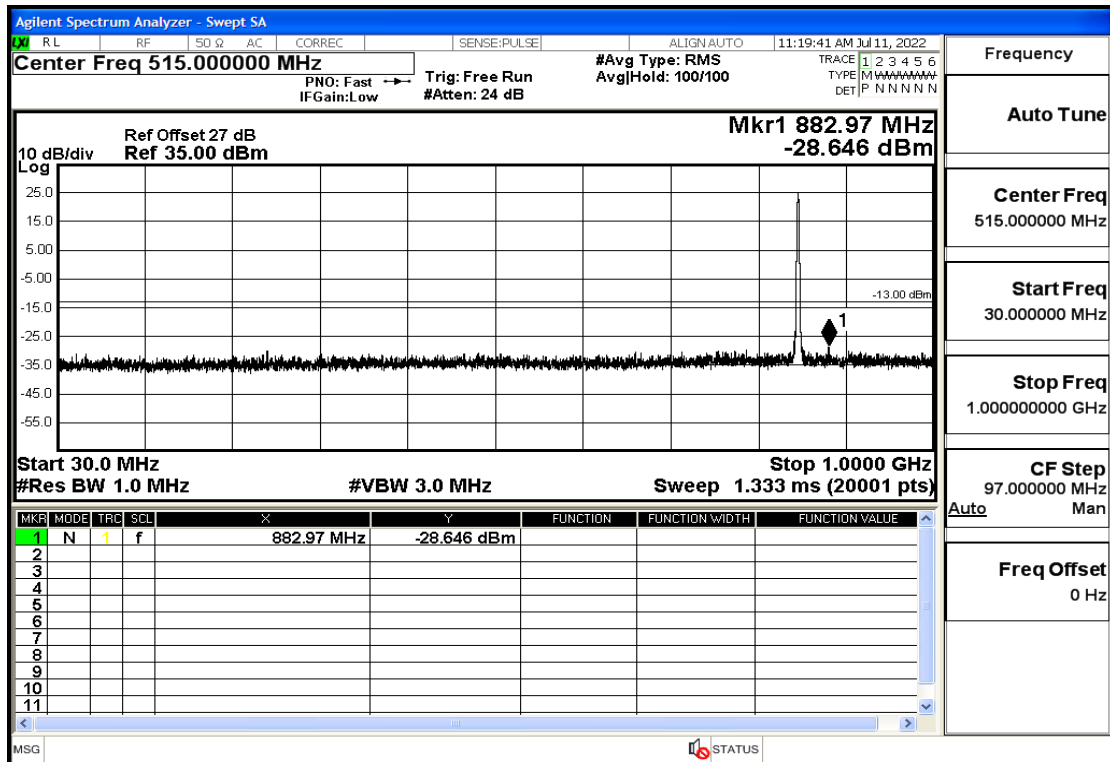
OB5-1.4-836.5-QPSK-6#LOW@30mHz-1GHz@Pass



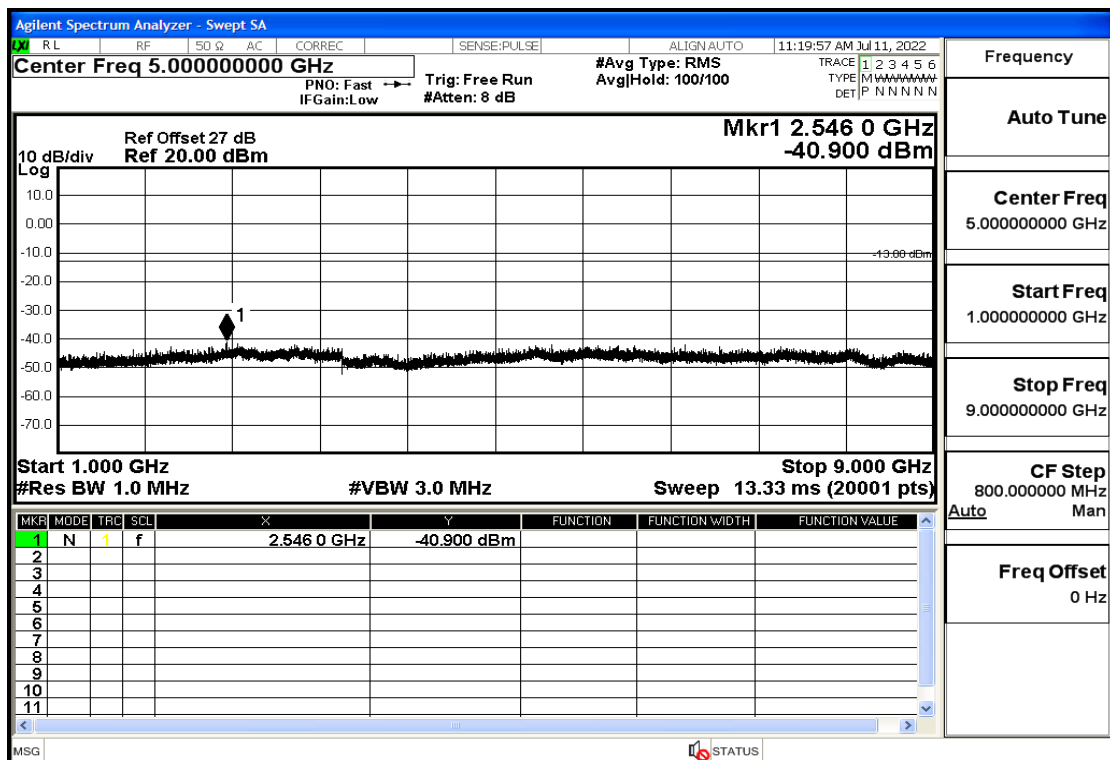
OB5-1.4-836.5-QPSK-6#LOW@1GHz-9GHz@Pass



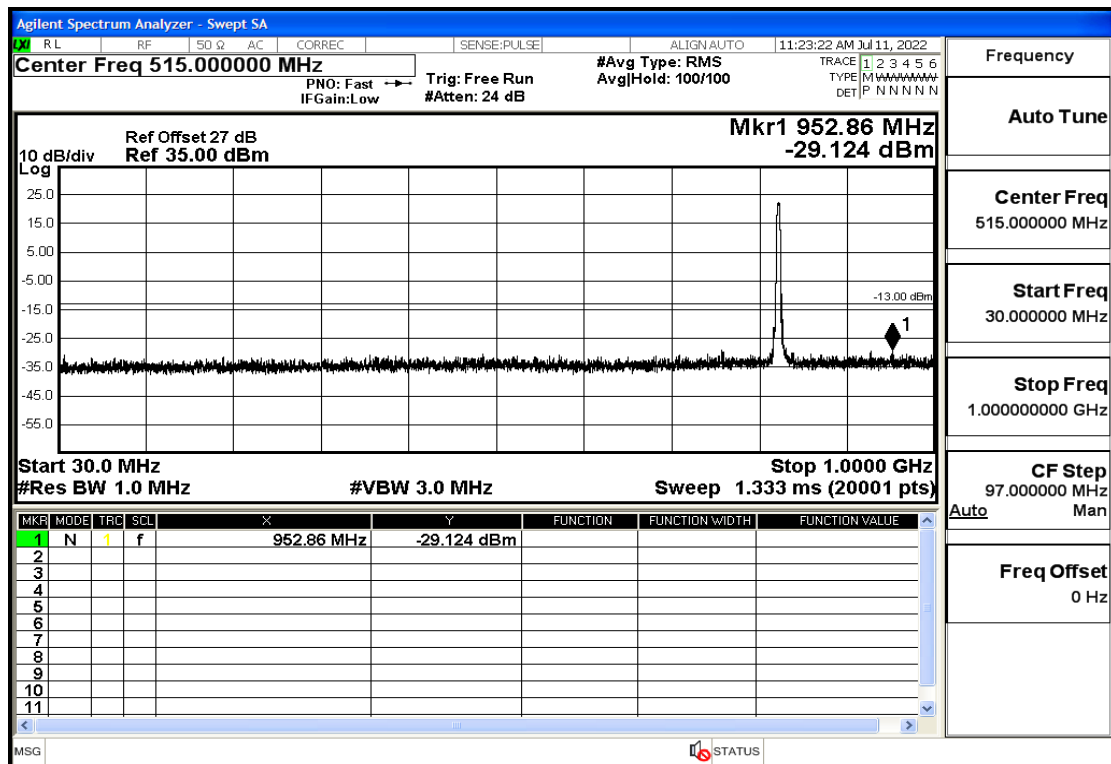
OB5-1.4-848.3-QPSK-6#LOW@30mHz-1GHz@Pass



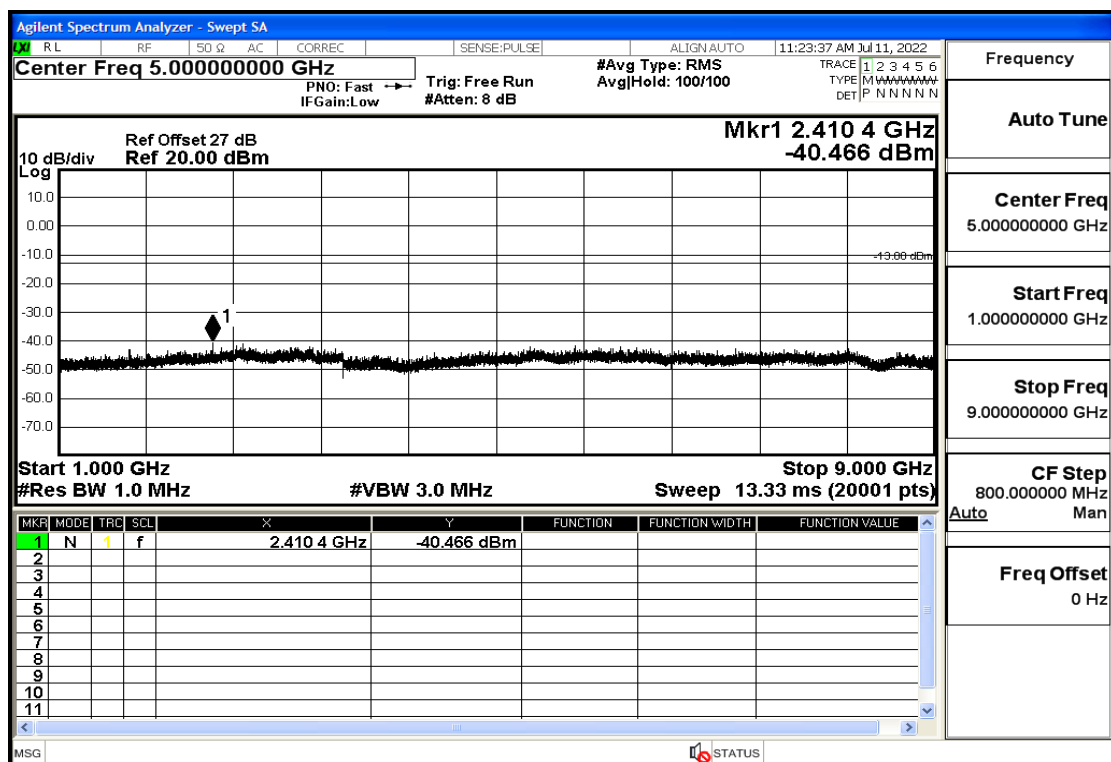
OB5-1.4-848.3-QPSK-6#LOW@1GHz-9GHz@Pass



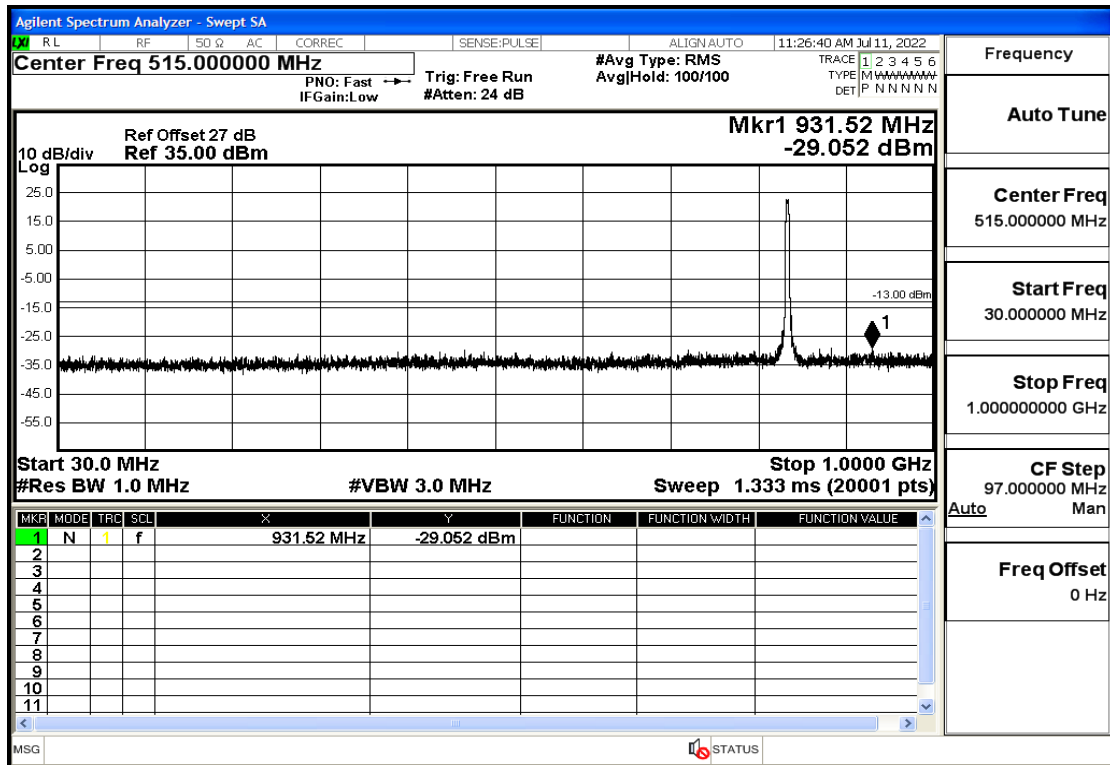
OB5-3-825.5-QPSK-15#LOW@30mHz-1GHz@Pass



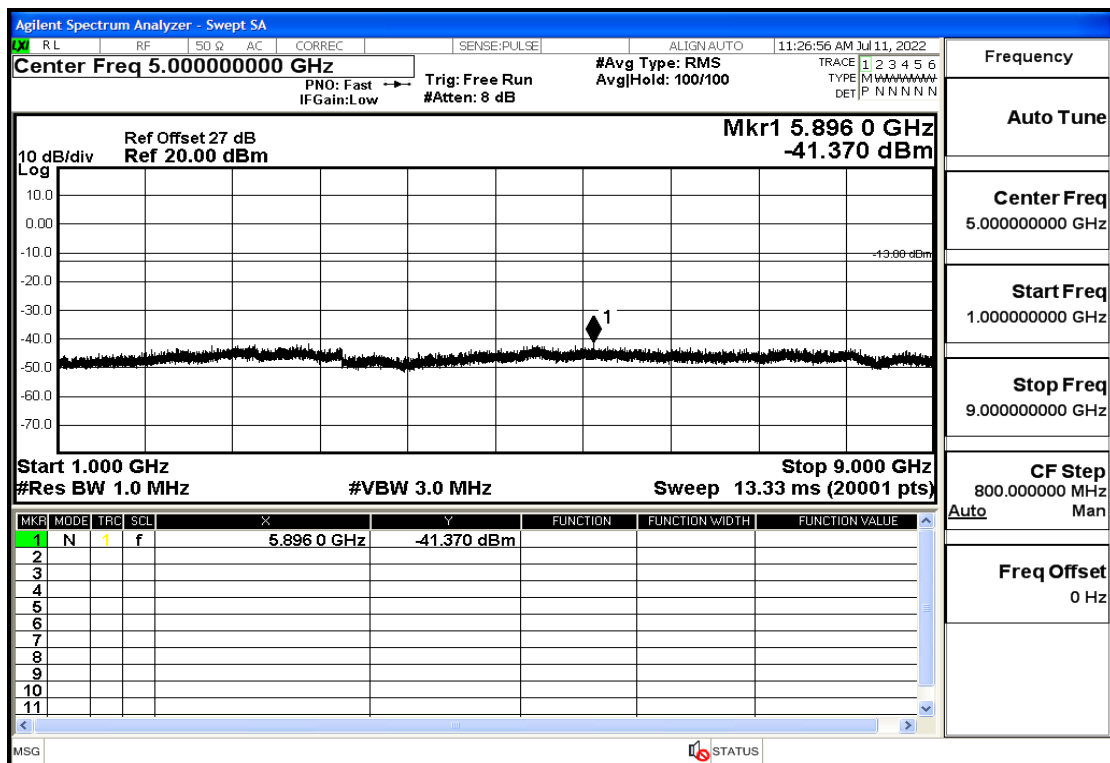
OB5-3-825.5-QPSK-15#LOW@1GHz-9GHz@Pass



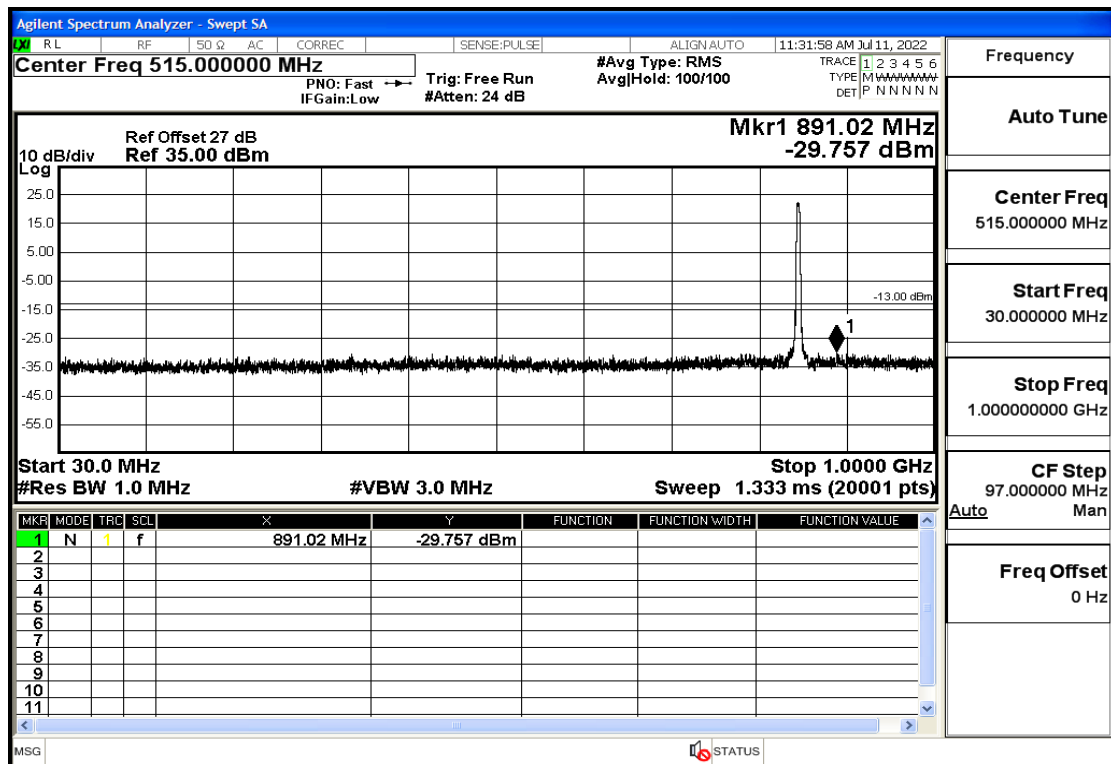
OB5-3-836.5-QPSK-15#LOW@30mHz-1GHz@Pass



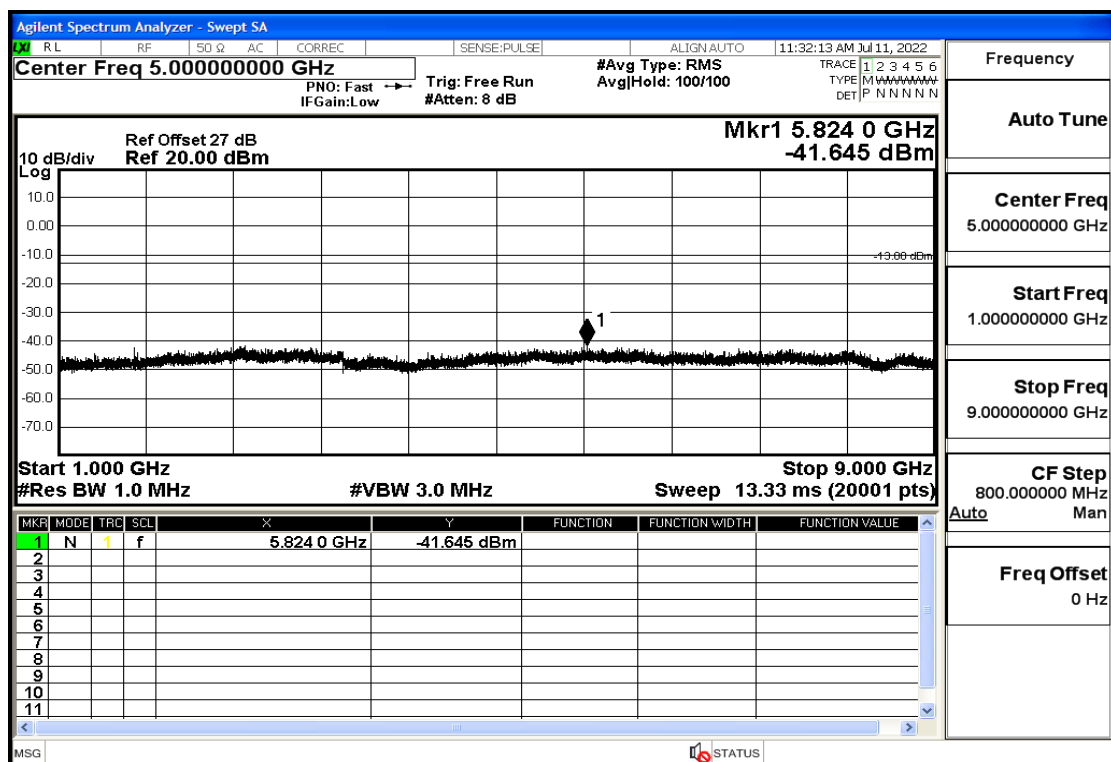
OB5-3-836.5-QPSK-15#LOW@1GHz-9GHz@Pass



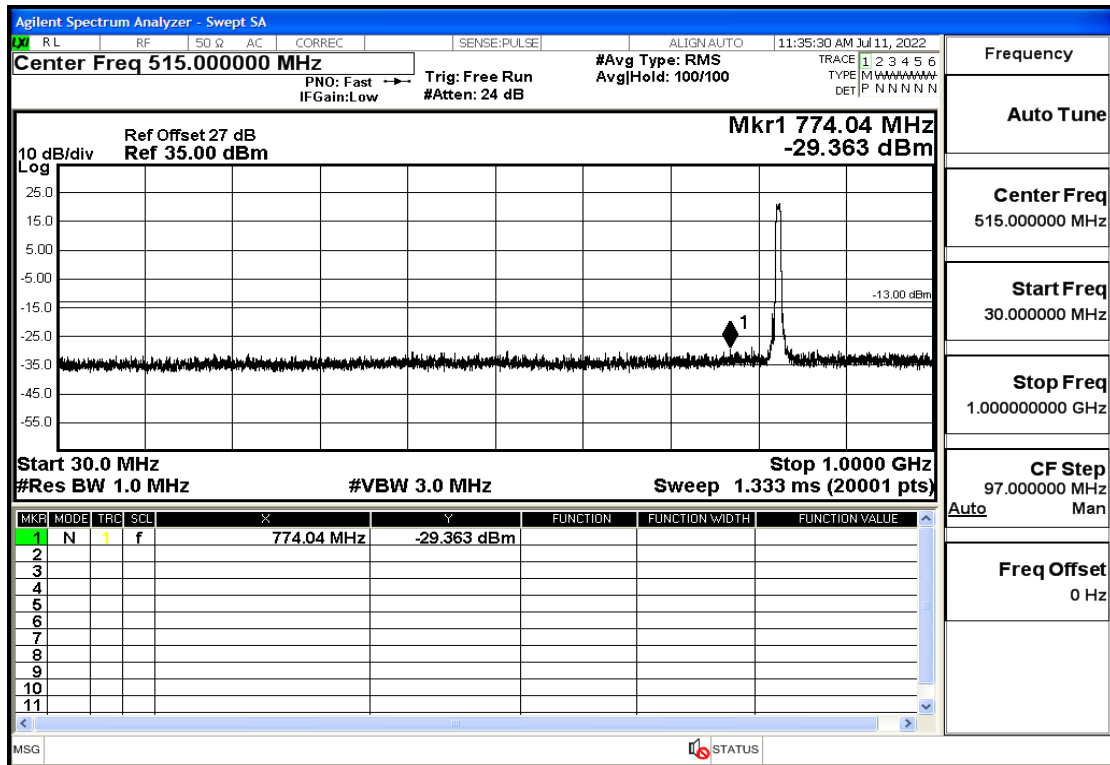
OB5-3-847.5-QPSK-15#LOW@30mHz-1GHz@Pass



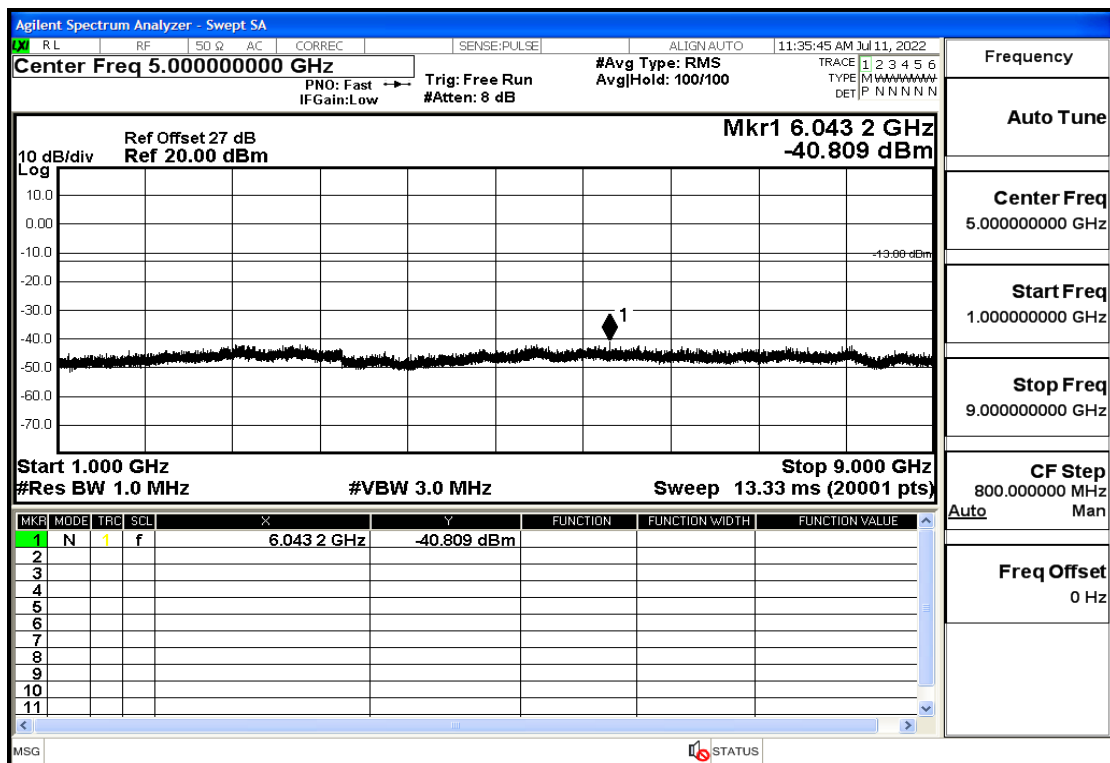
OB5-3-847.5-QPSK-15#LOW@1GHz-9GHz@Pass



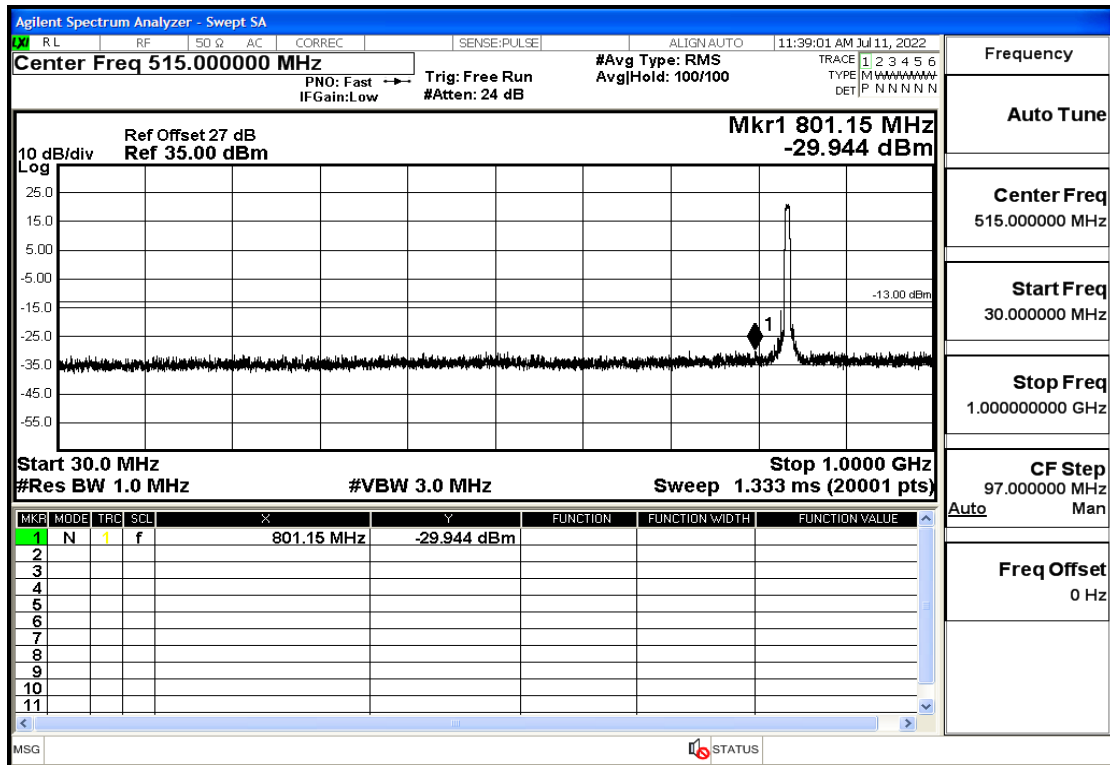
OB5-5-826.5-QPSK-25#LOW@30mHz-1GHz@Pass



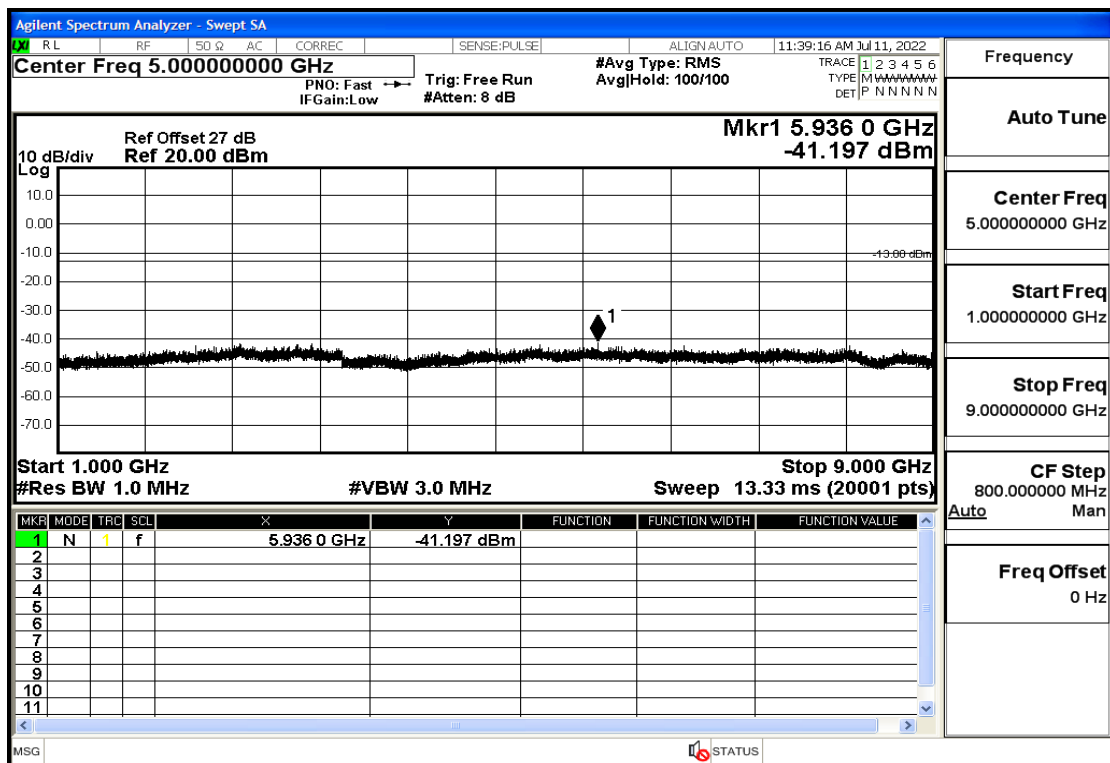
OB5-5-826.5-QPSK-25#LOW@1GHz-9GHz@Pass



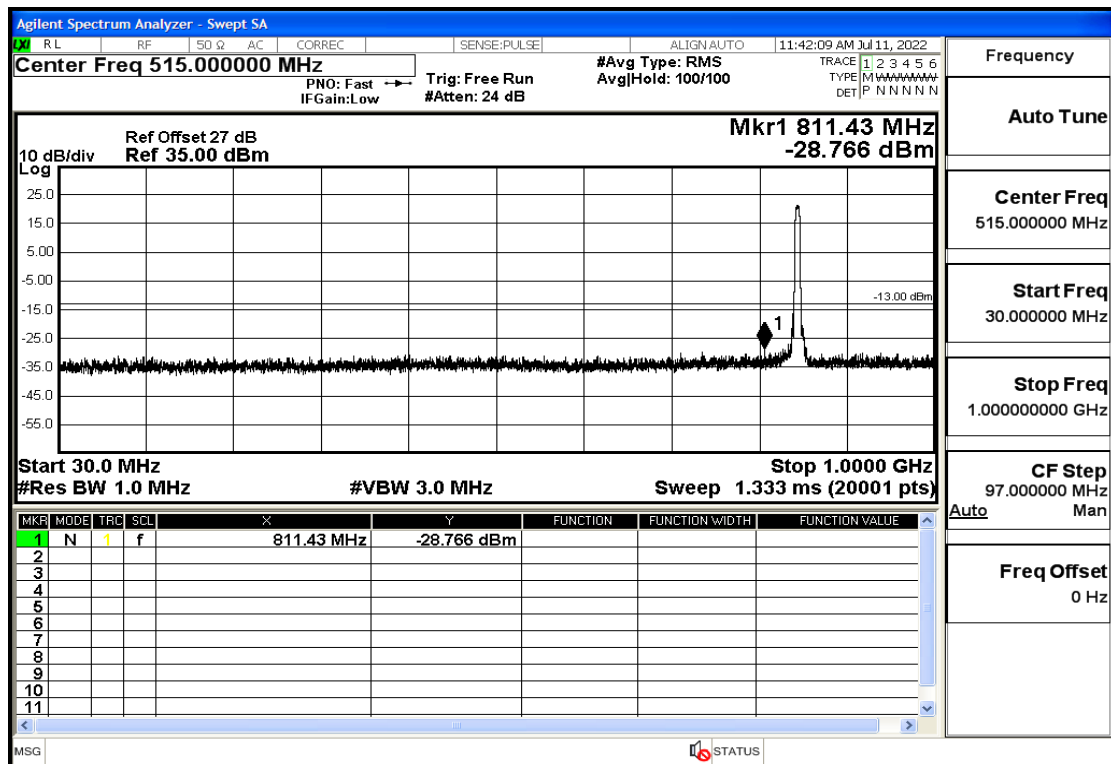
OB5-5-836.5-QPSK-25#LOW@30mHz-1GHz@Pass



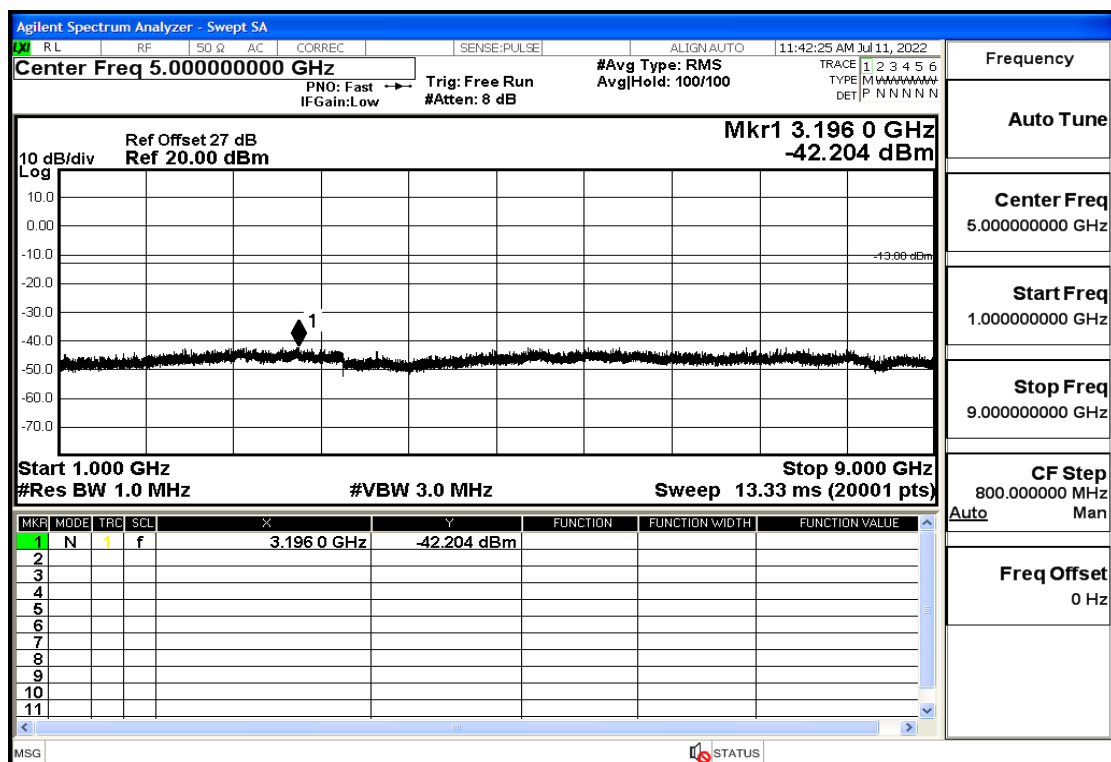
OB5-5-836.5-QPSK-25#LOW@1GHz-9GHz@Pass



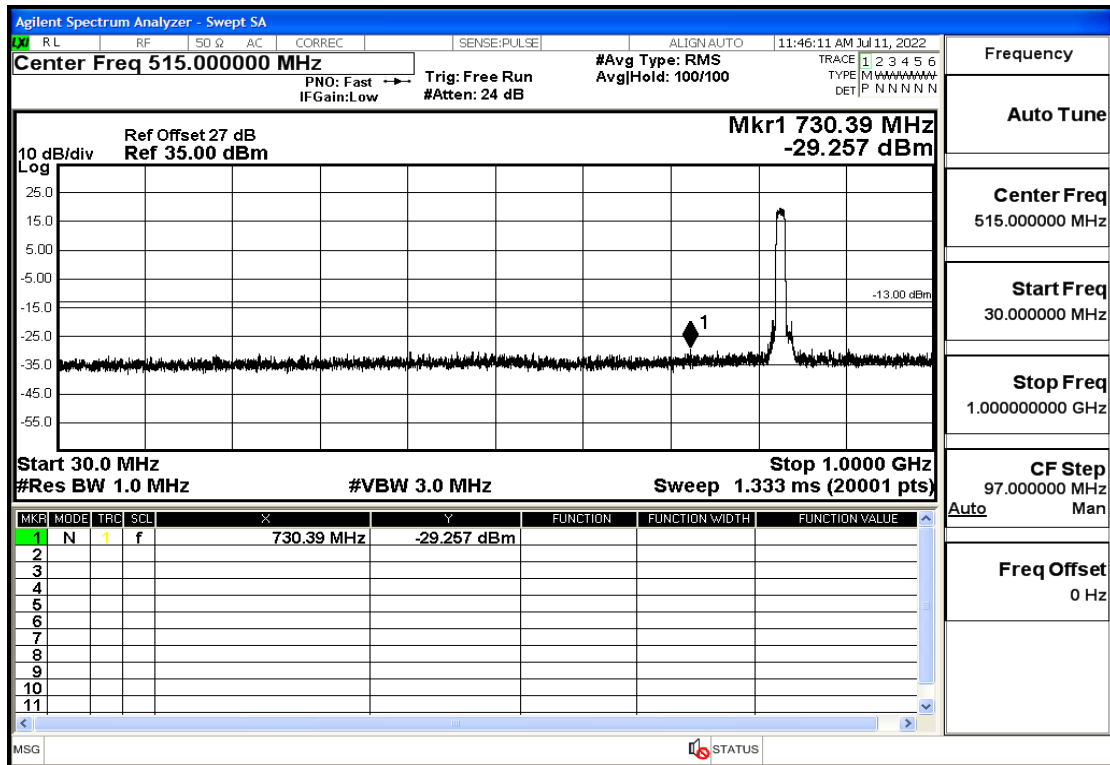
OB5-5-846.5-QPSK-25#LOW@30mHz-1GHz@Pass



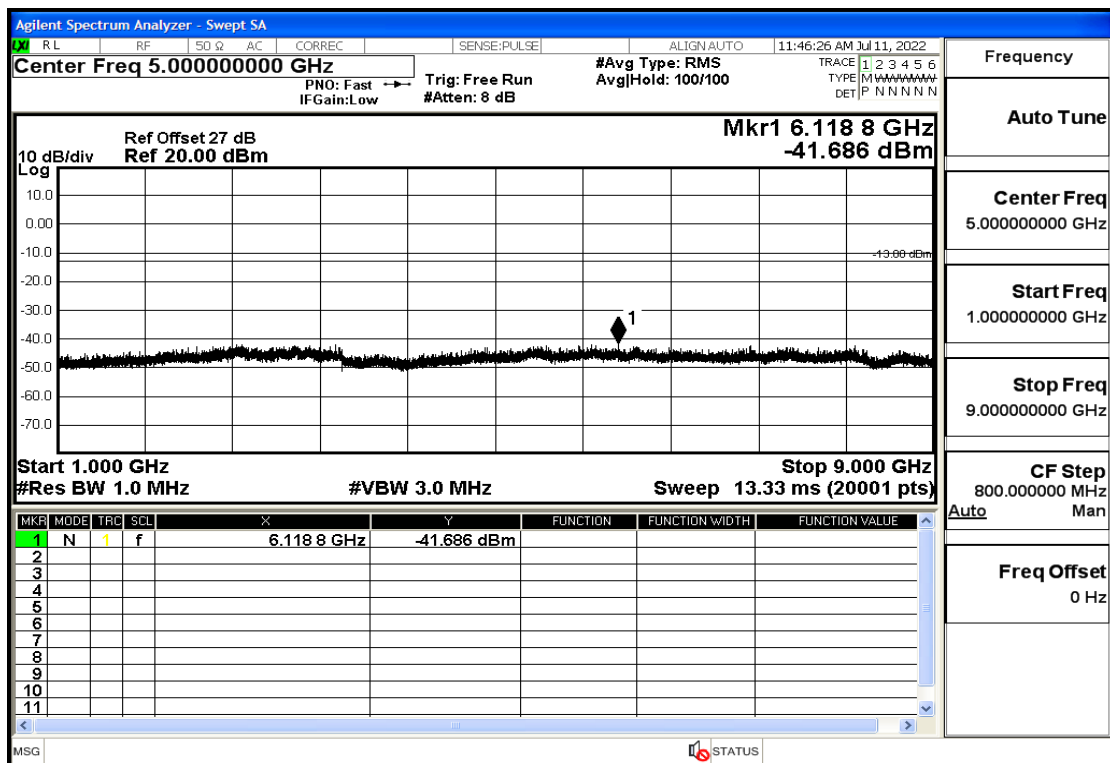
OB5-5-846.5-QPSK-25#LOW@1GHz-9GHz@Pass



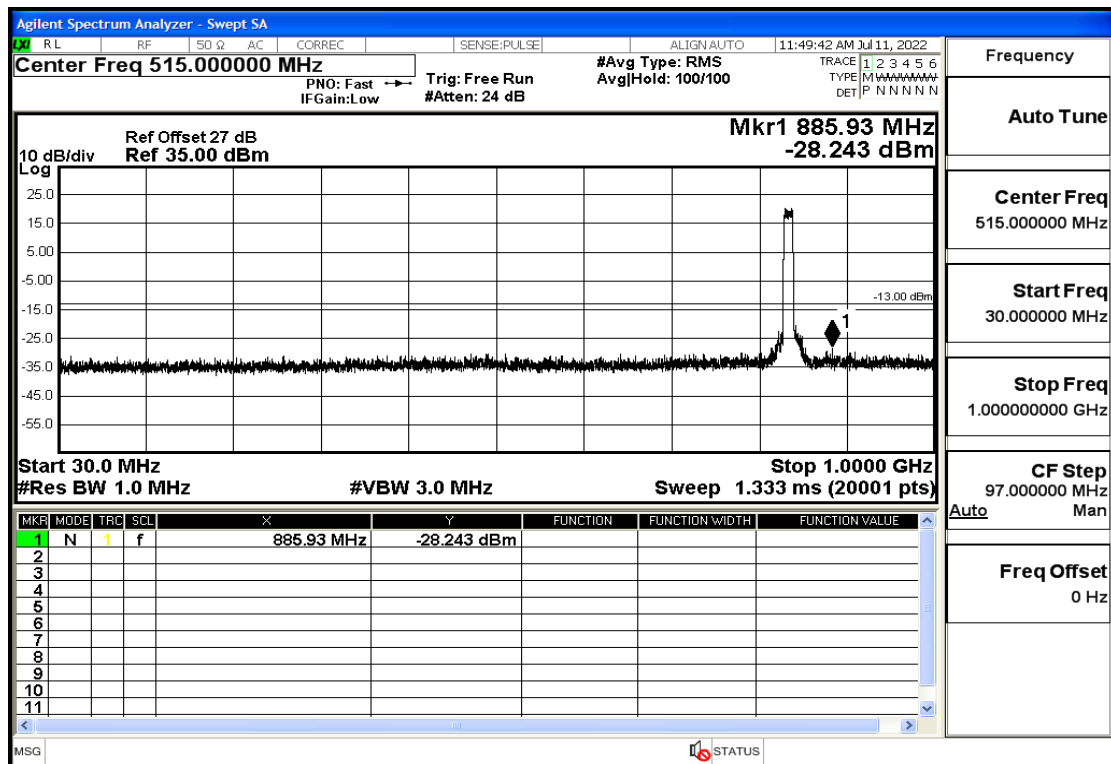
OB5-10-829-QPSK-50#LOW@30mHz-1GHz@Pass



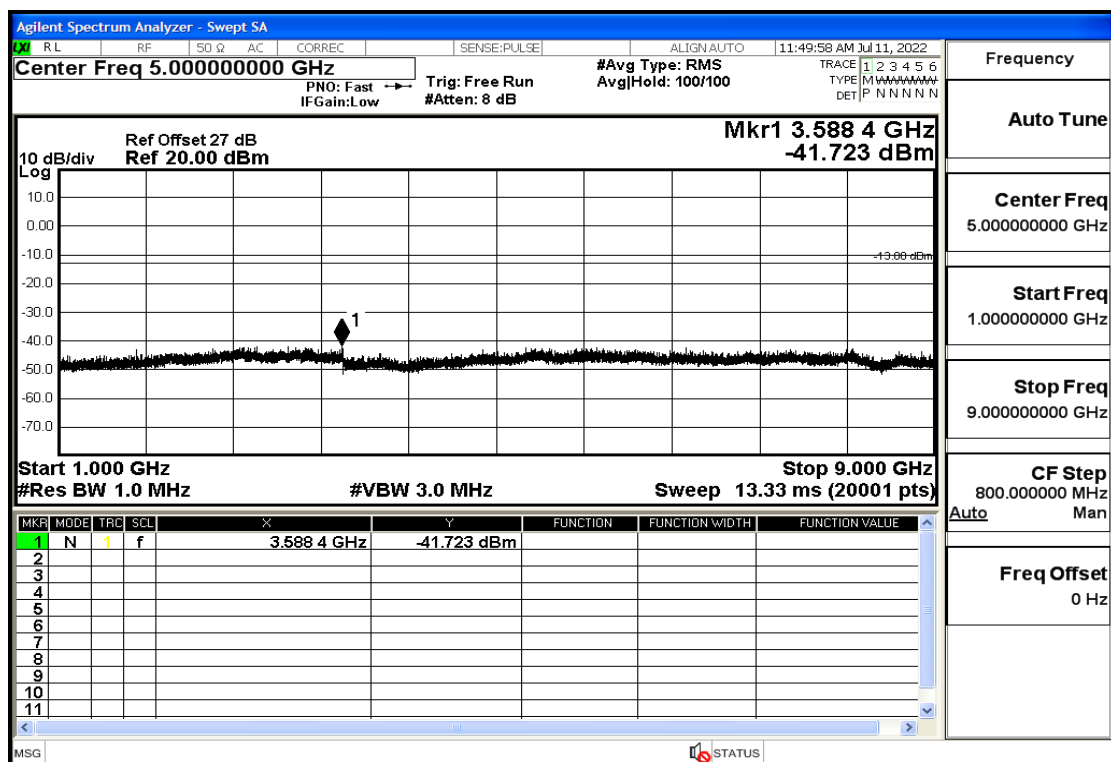
OB5-10-829-QPSK-50#LOW@1GHz-9GHz@Pass



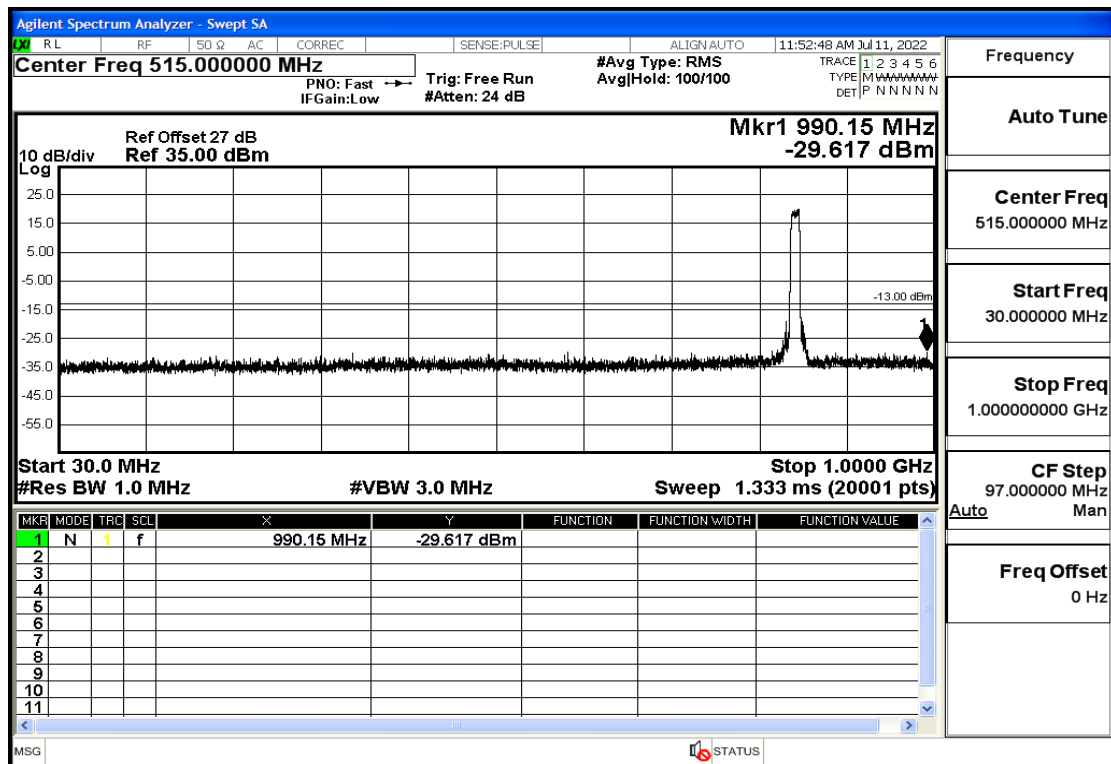
OB5-10-836.5-QPSK-50#LOW@30MHz-1GHz@Pass



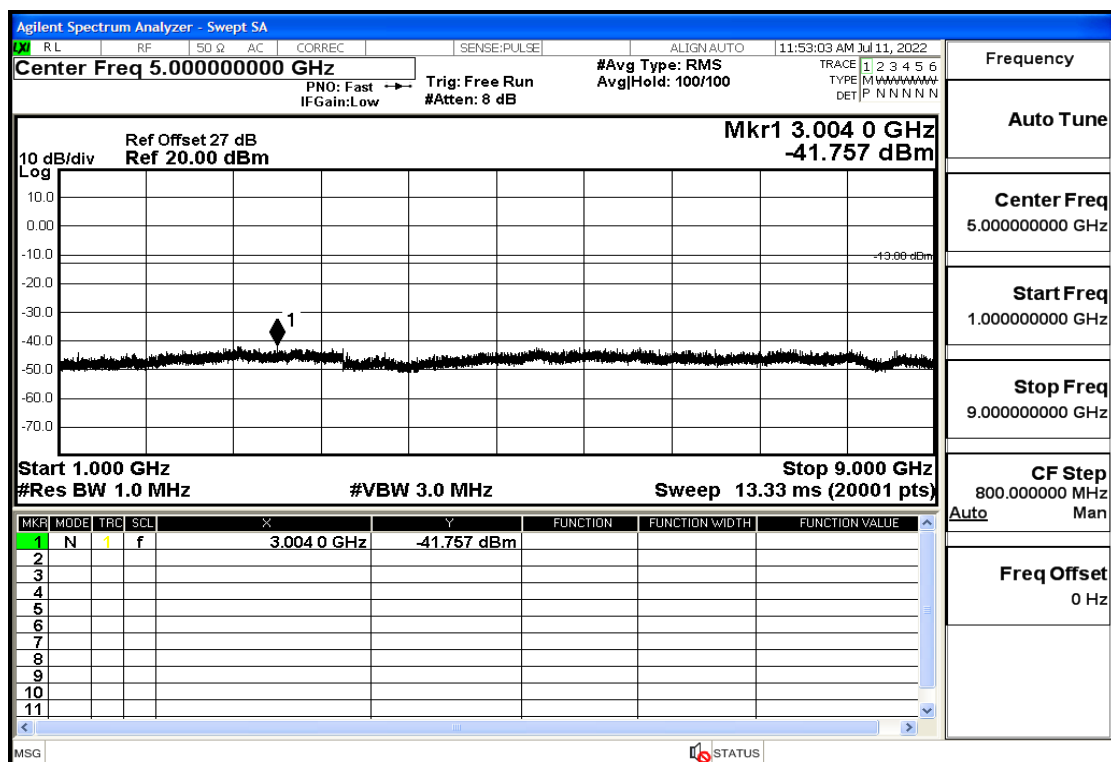
OB5-10-836.5-QPSK-50#LOW@1GHz-9GHz@Pass



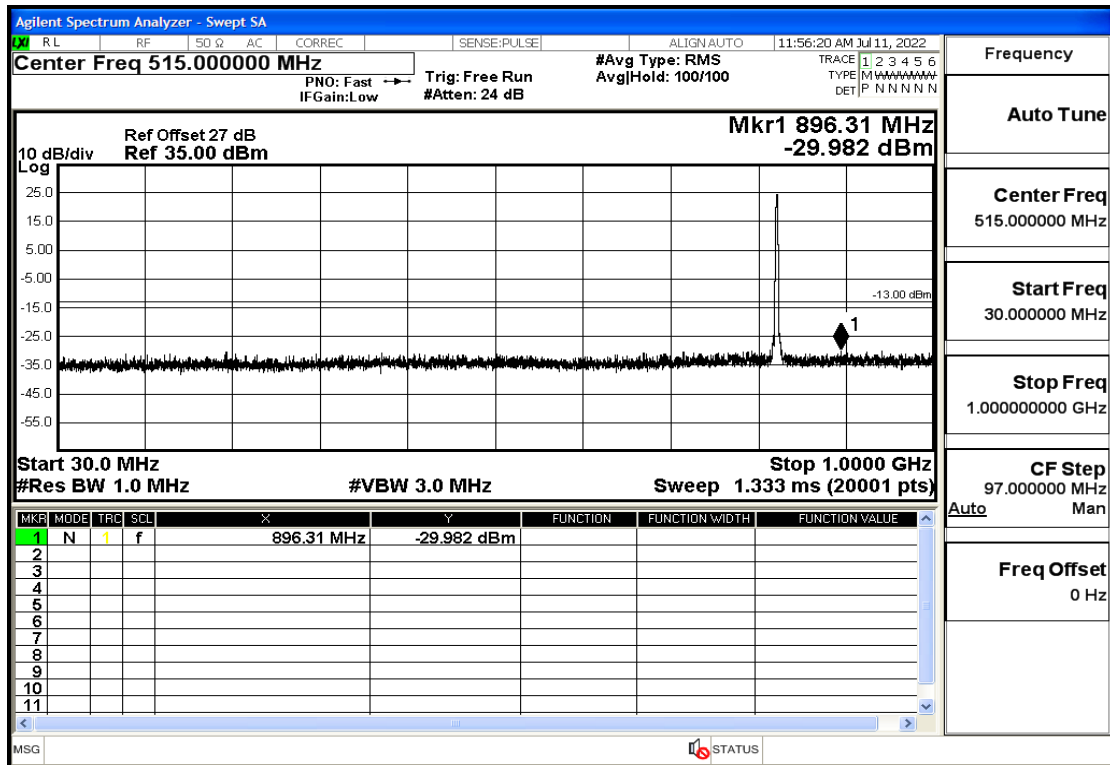
OB5-10-844-QPSK-50#LOW@30mHz-1GHz@Pass



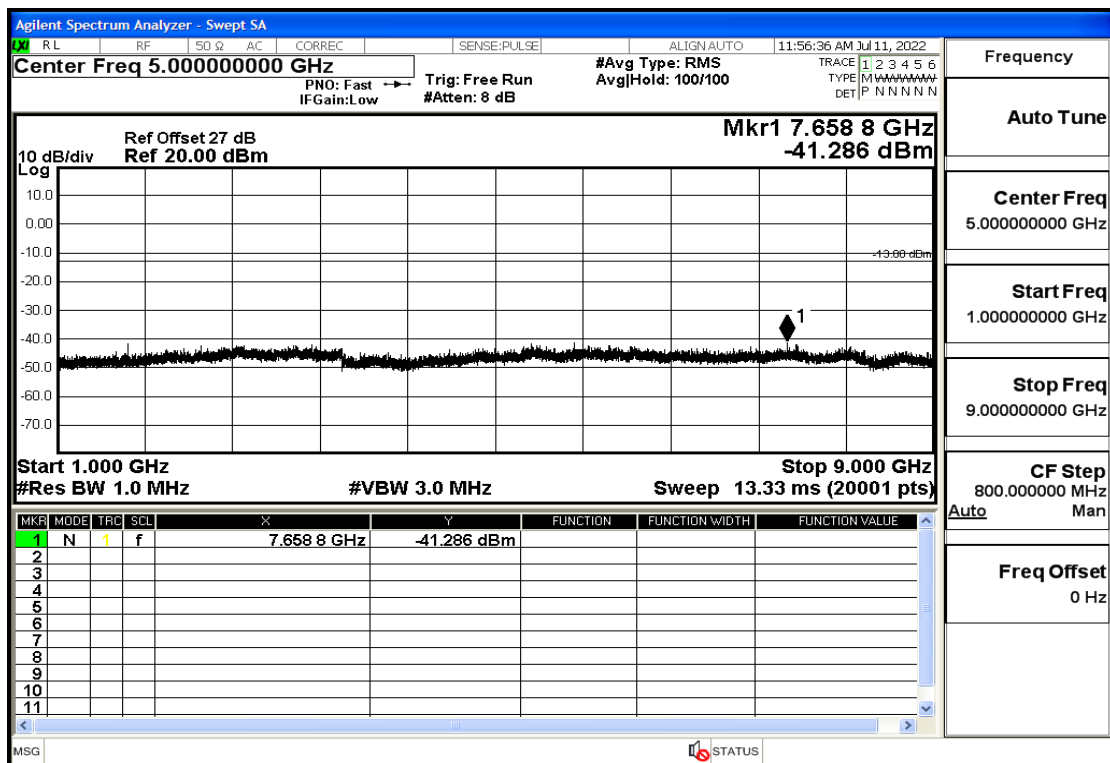
OB5-10-844-QPSK-50#LOW@1GHz-9GHz@Pass



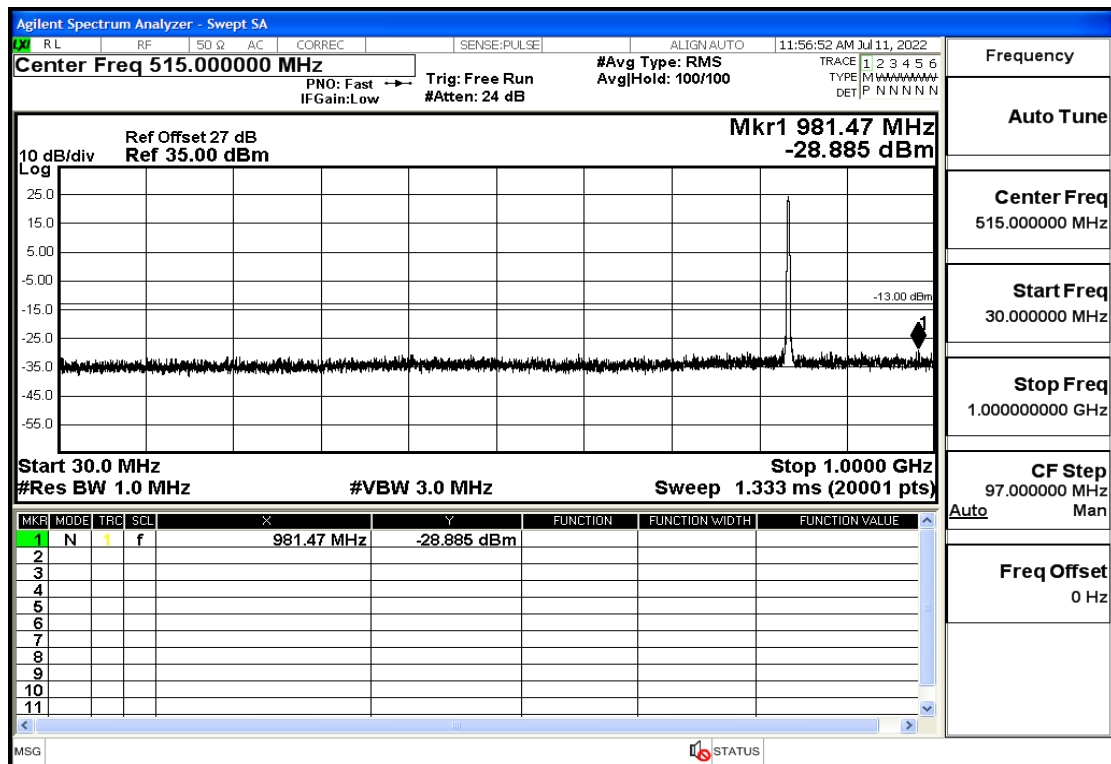
OB5-1.4-824.7-Q16-6#LOW@30mHz-1GHz@Pass



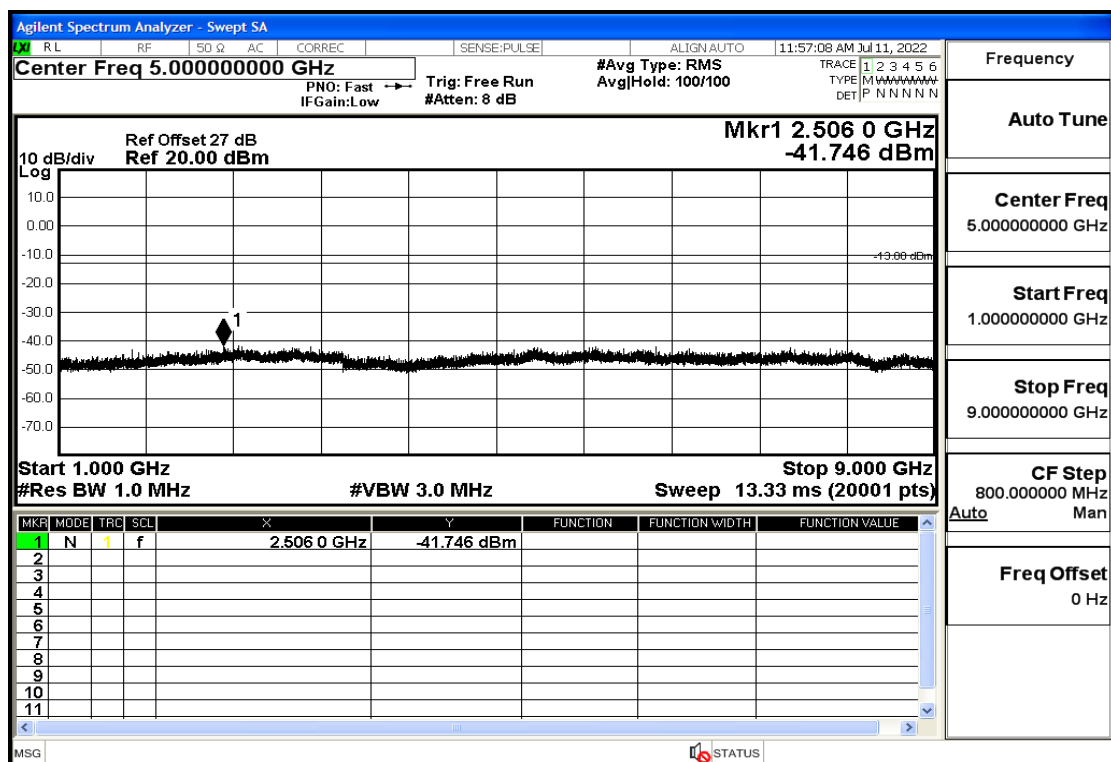
OB5-1.4-824.7-Q16-6#LOW@1GHz-9GHz@Pass



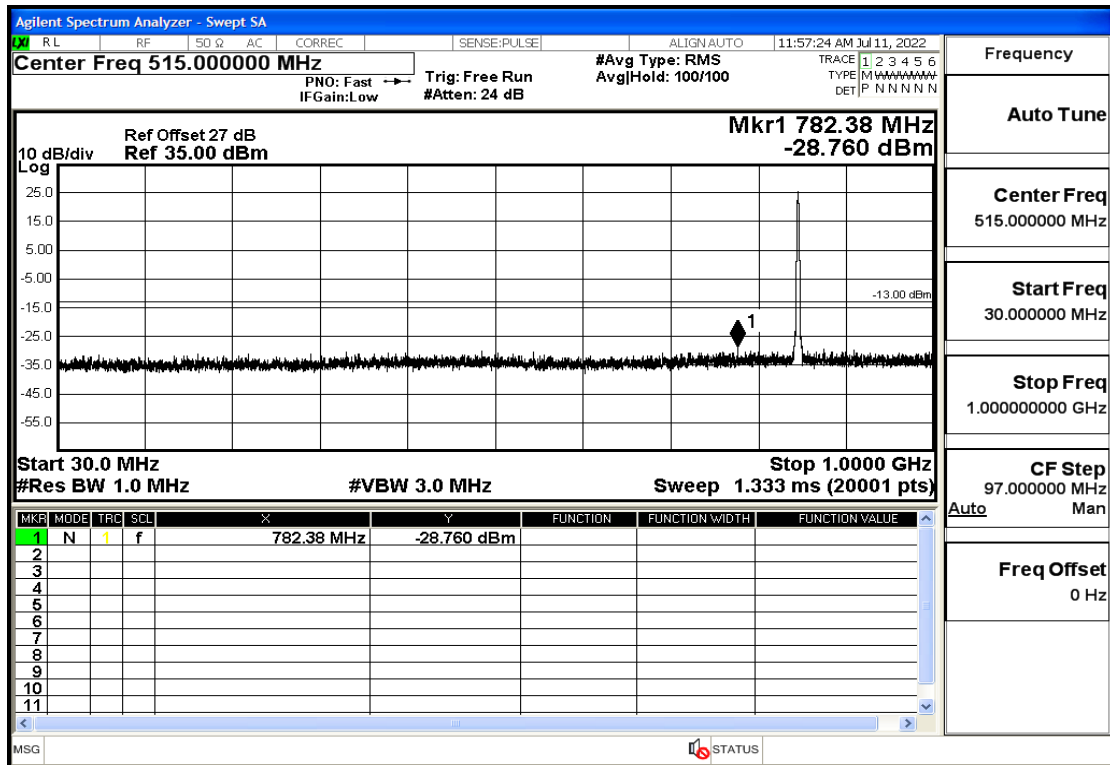
OB5-1.4-836.5-Q16-6#LOW@30mHz-1GHz@Pass



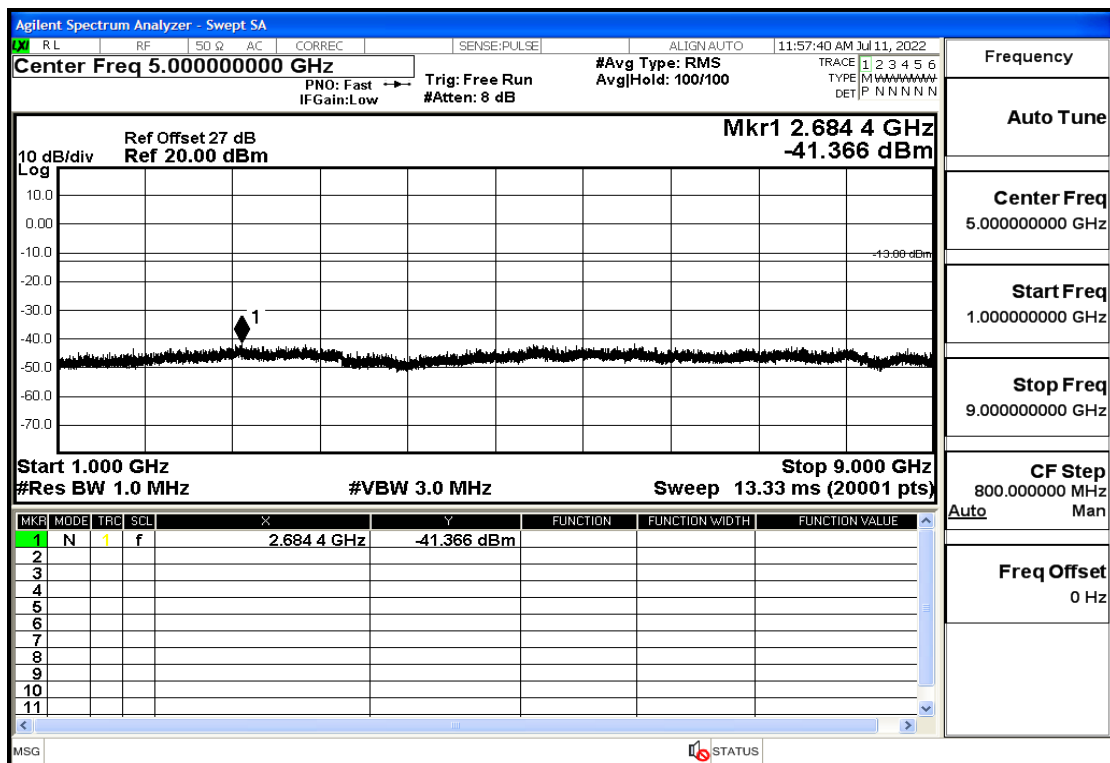
OB5-1.4-836.5-Q16-6#LOW@1GHz-9GHz@Pass



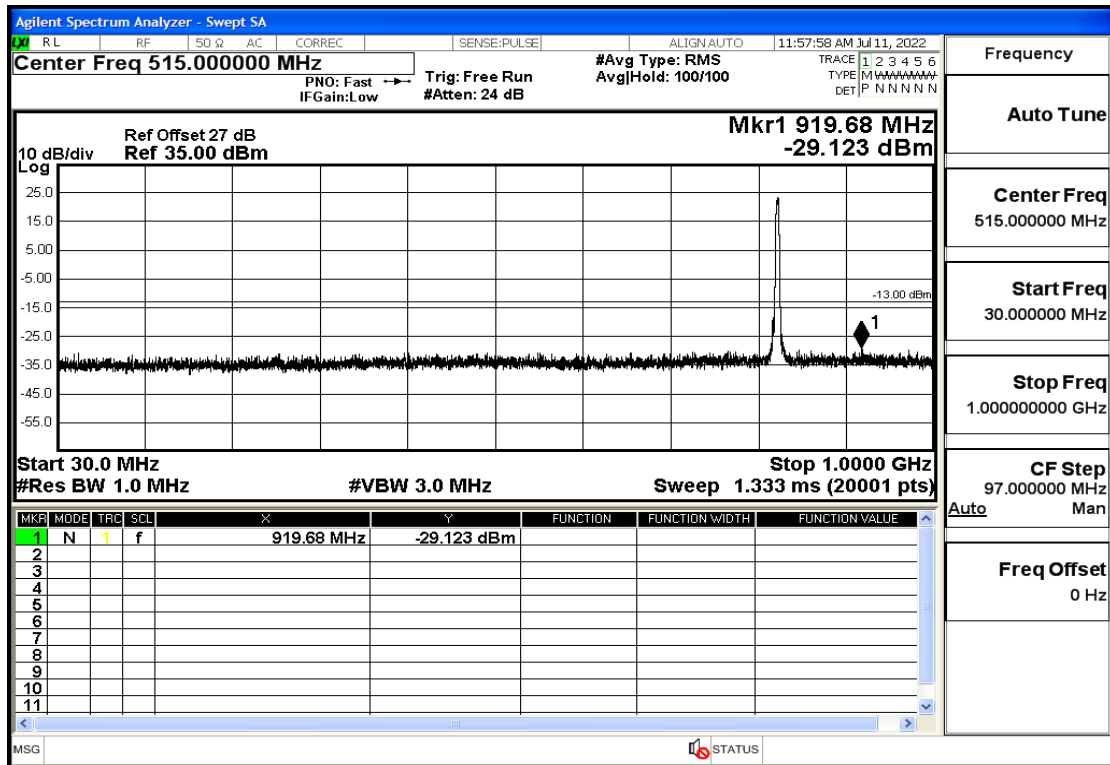
OB5-1.4-848.3-Q16-6#LOW@30mHz-1GHz@Pass



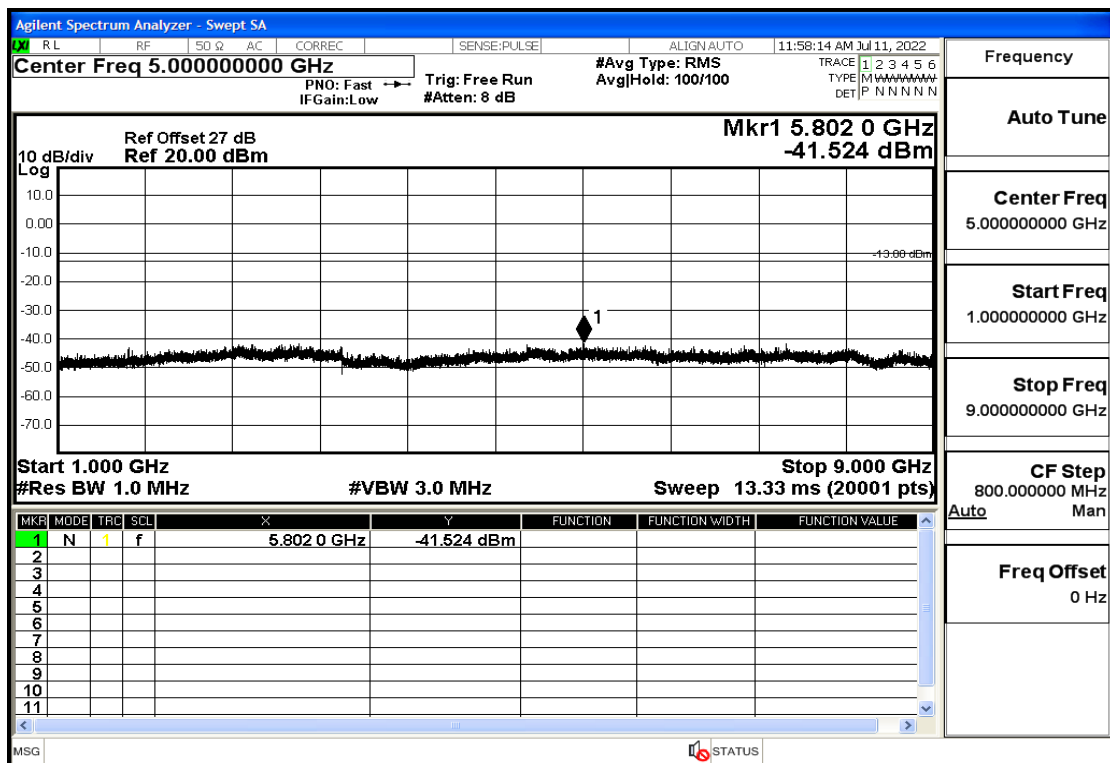
OB5-1.4-848.3-Q16-6#LOW@1GHz-9GHz@Pass



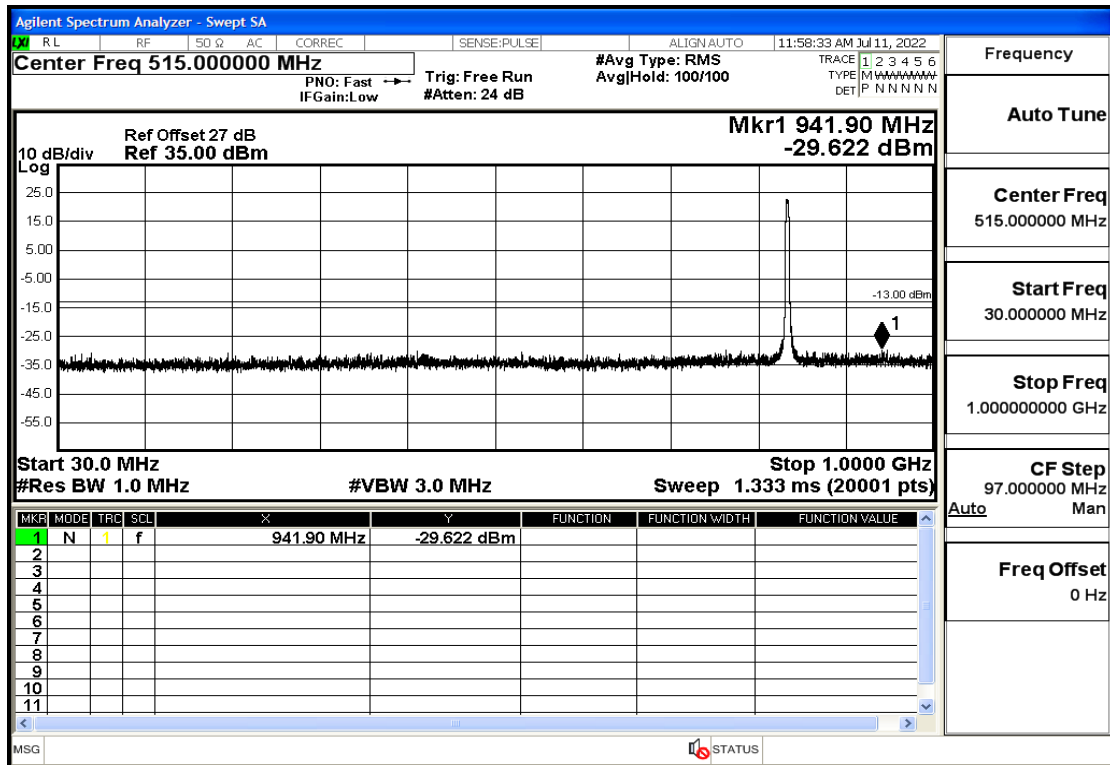
OB5-3-825.5-Q16-15#LOW@30mHz-1GHz@Pass



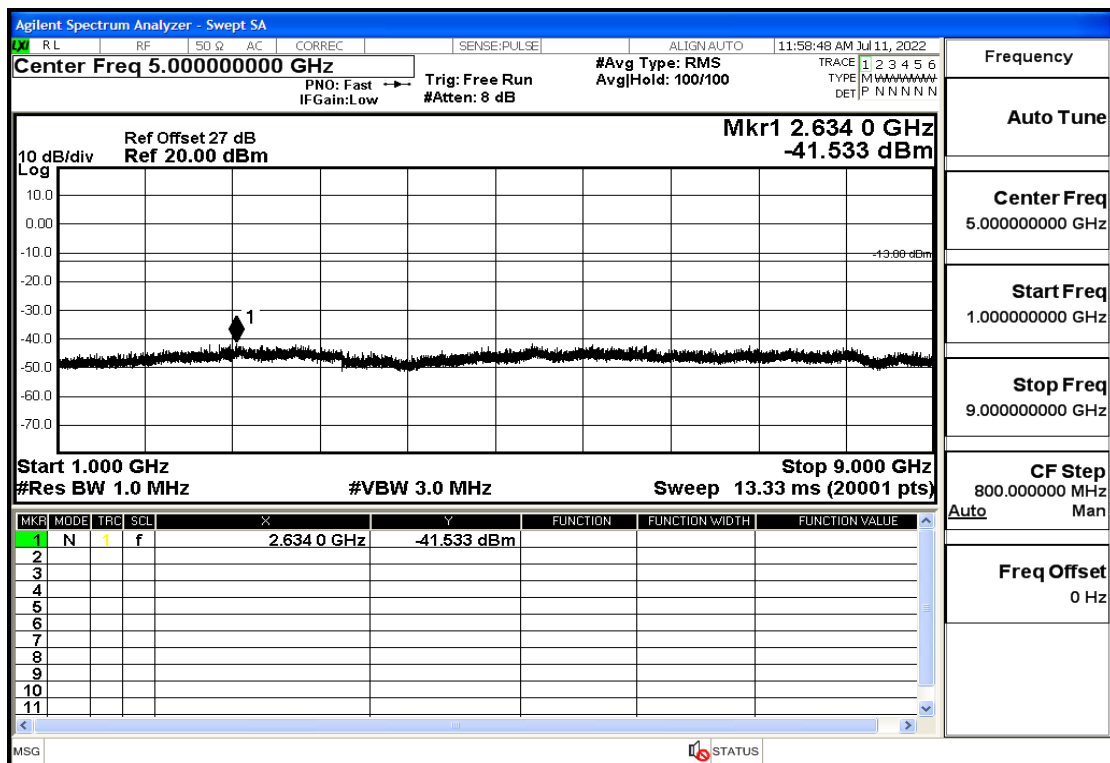
OB5-3-825.5-Q16-15#LOW@1GHz-9GHz@Pass



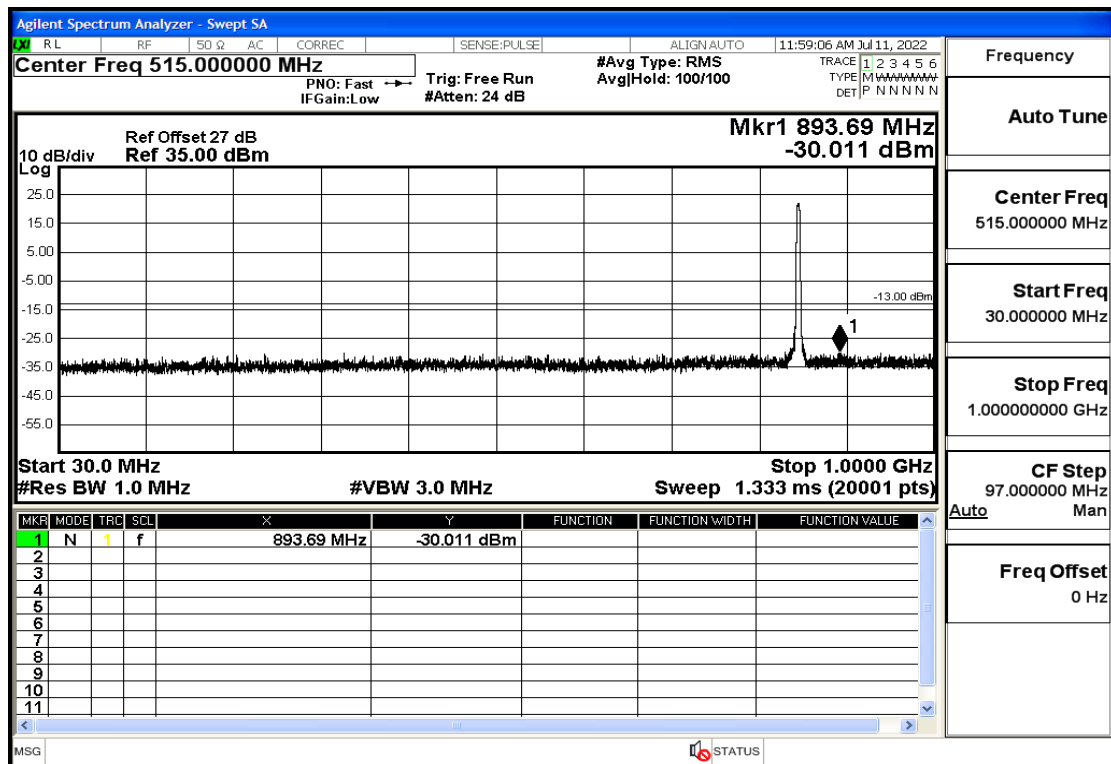
OB5-3-836.5-Q16-15#LOW@30mHz-1GHz@Pass



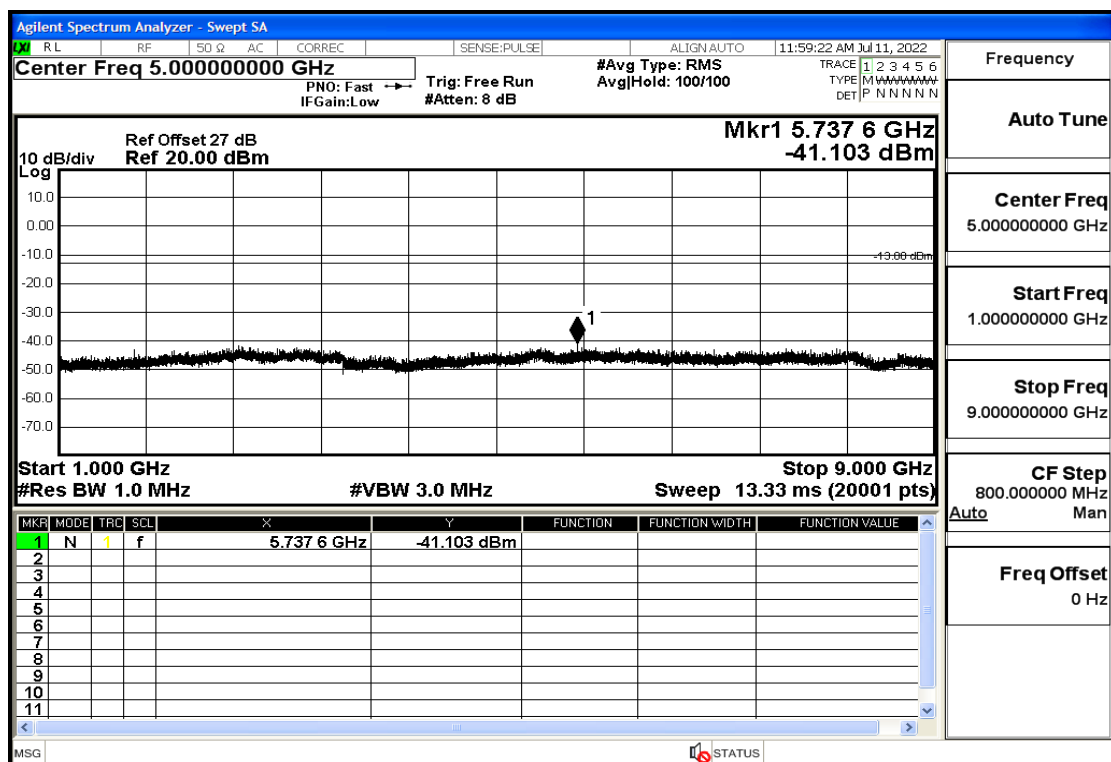
OB5-3-836.5-Q16-15#LOW@1GHz-9GHz@Pass



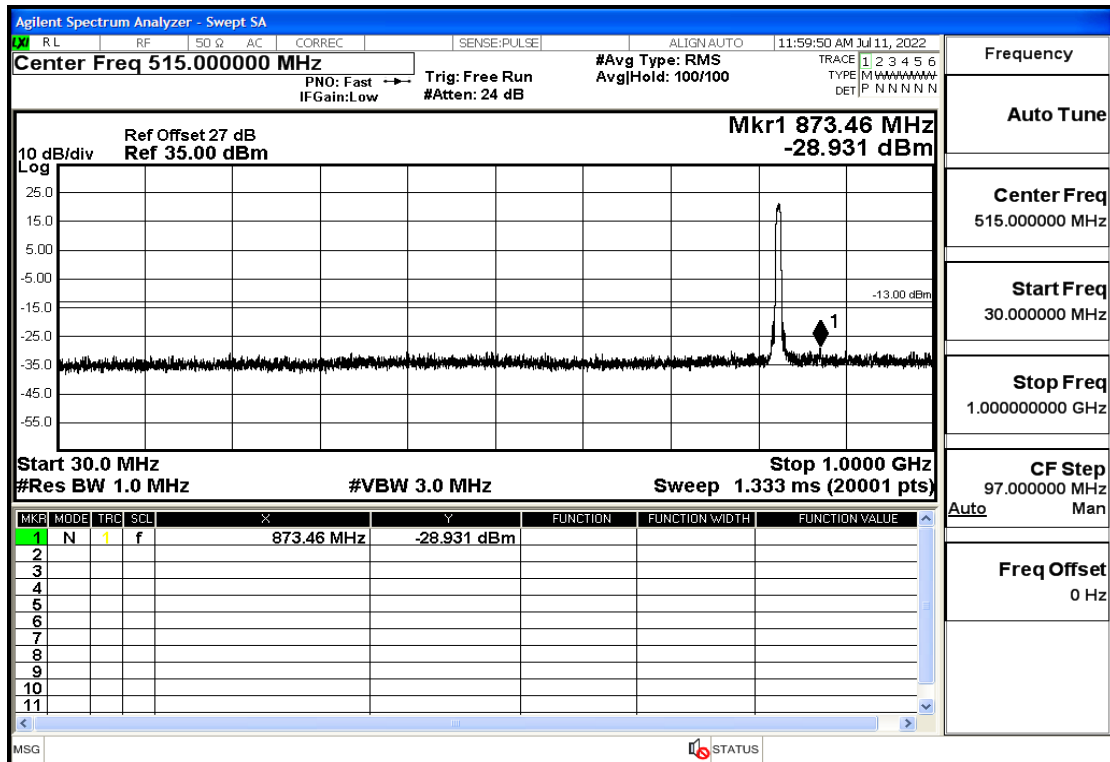
OB5-3-847.5-Q16-15#LOW@30mHz-1GHz@Pass



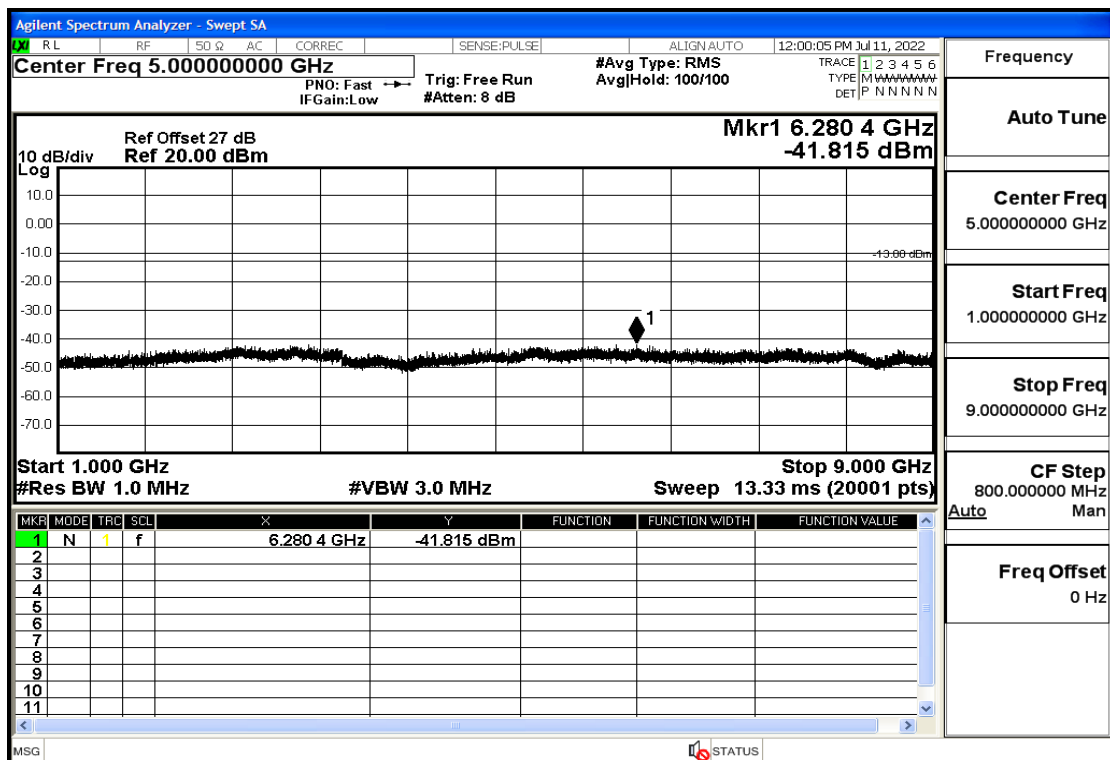
OB5-3-847.5-Q16-15#LOW@1GHz-9GHz@Pass



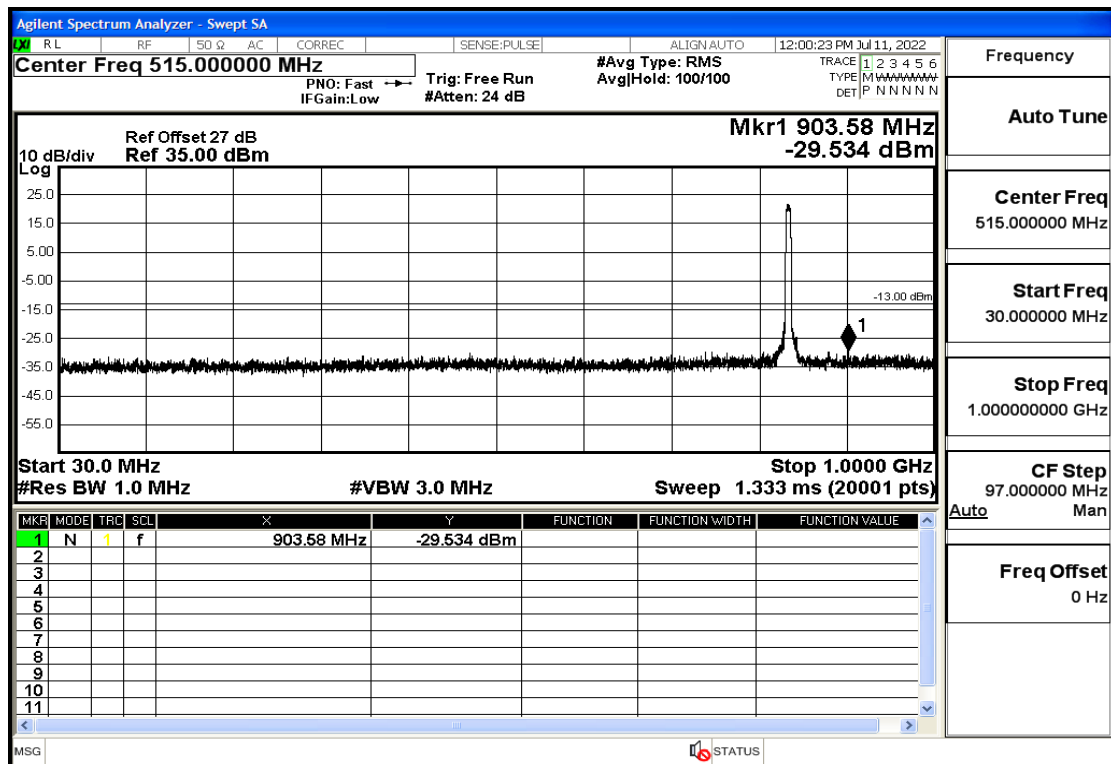
OB5-5-826.5-Q16-25#LOW@30mHz-1GHz@Pass



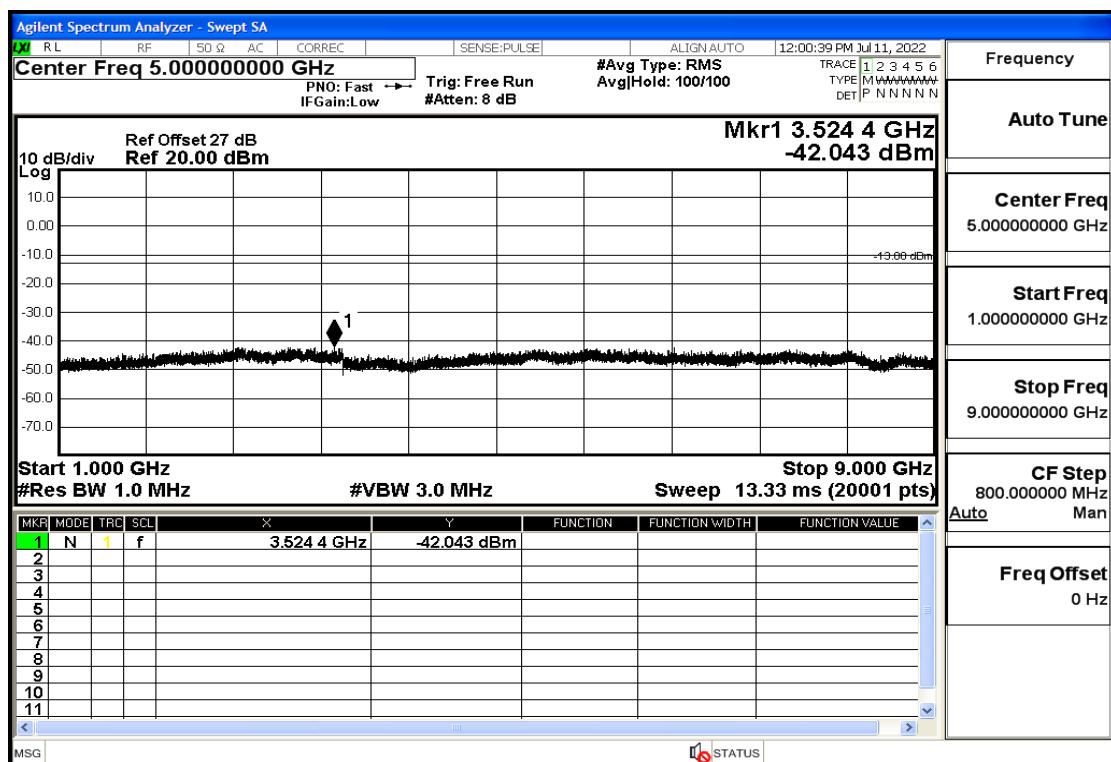
OB5-5-826.5-Q16-25#LOW@1GHz-9GHz@Pass



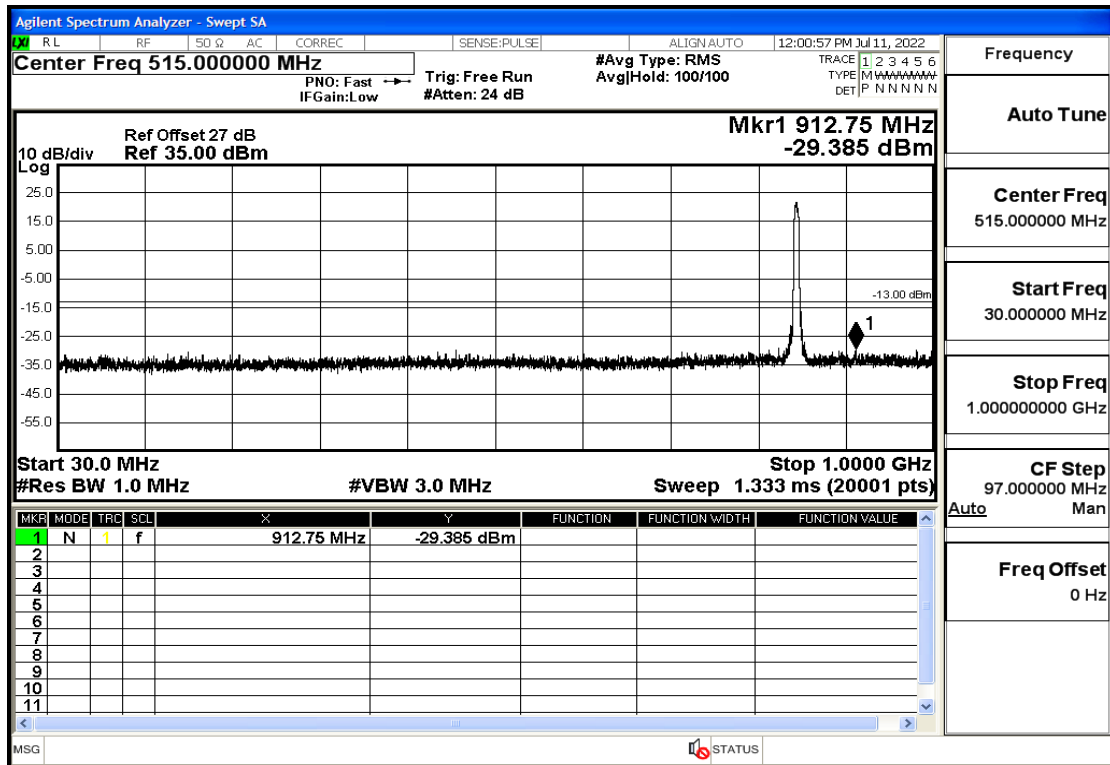
OB5-5-836.5-Q16-25#LOW@30mHz-1GHz@Pass



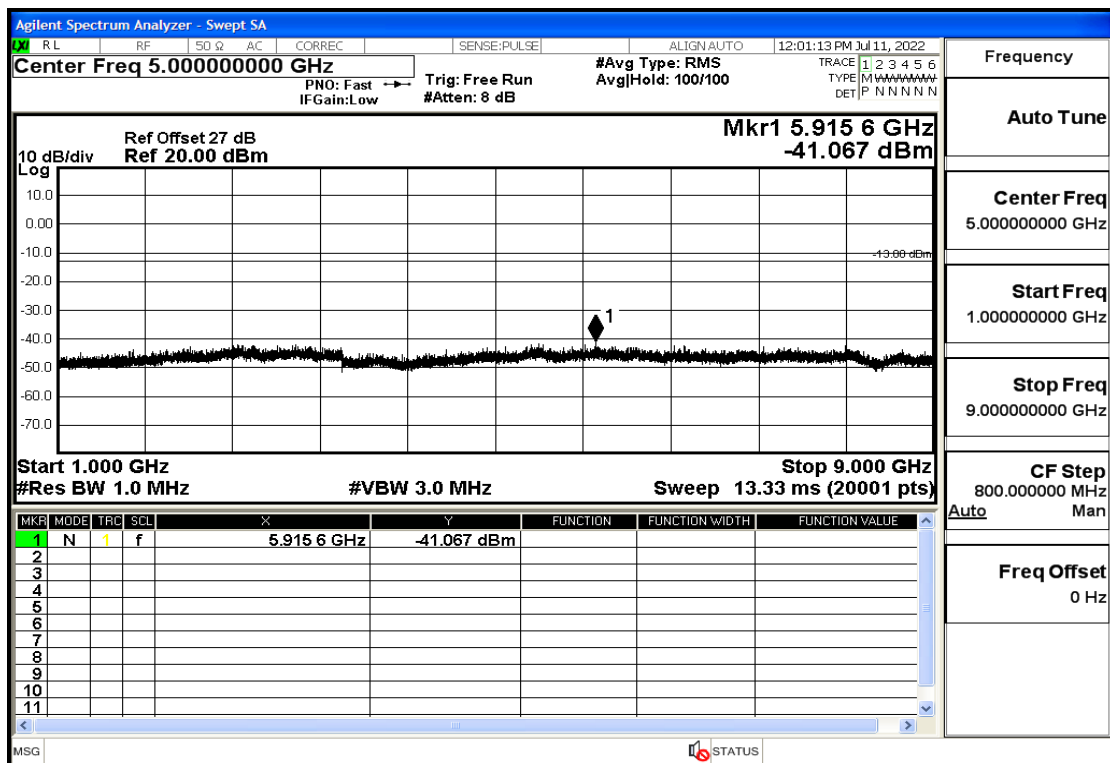
OB5-5-836.5-Q16-25#LOW@1GHz-9GHz@Pass



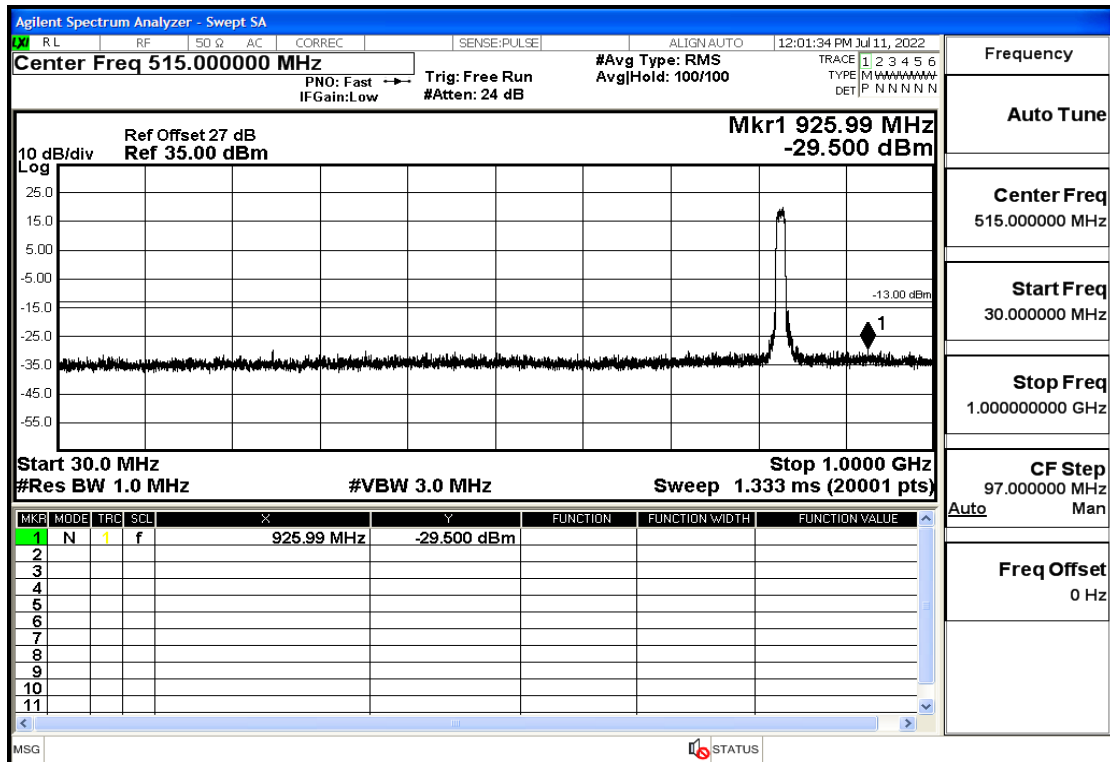
OB5-5-846.5-Q16-25#LOW@30mHz-1GHz@Pass



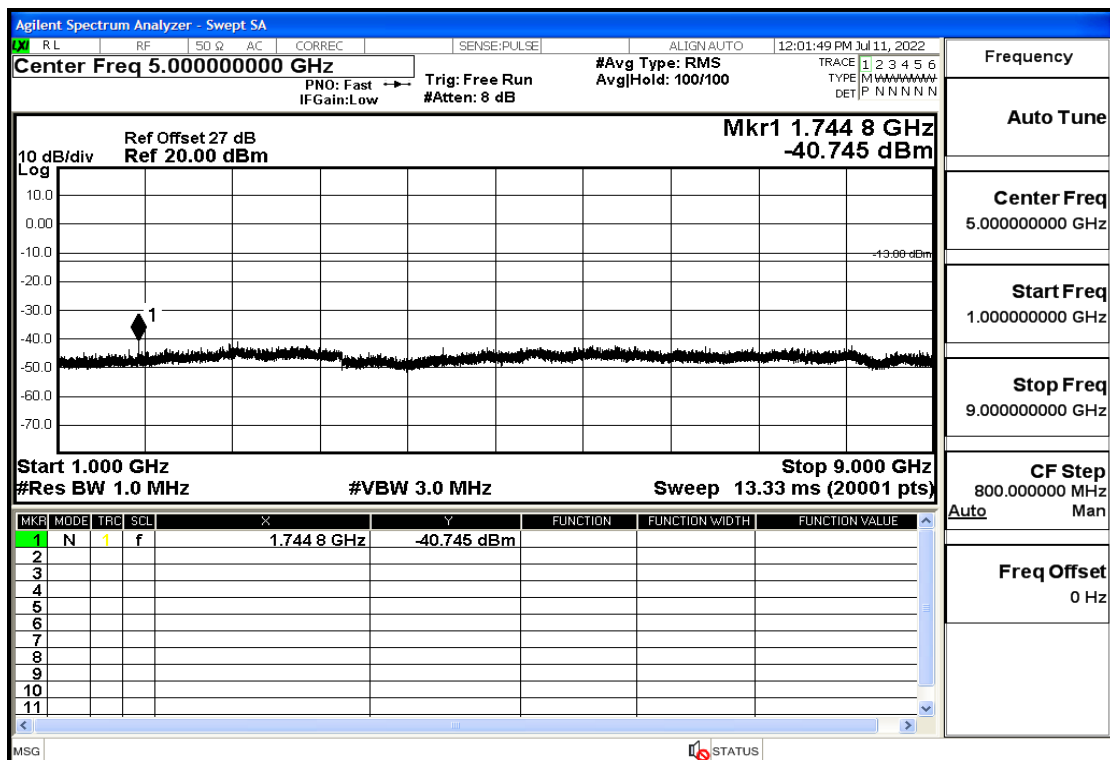
OB5-5-846.5-Q16-25#LOW@1GHz-9GHz@Pass



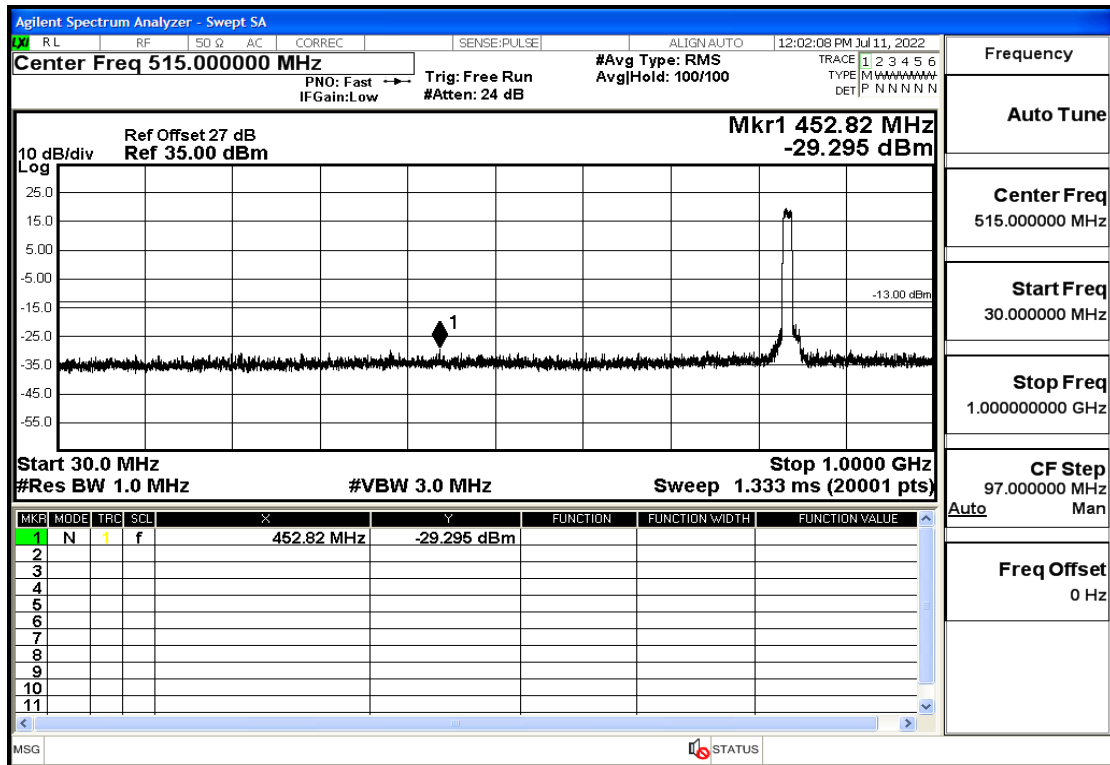
OB5-10-829-Q16-50#LOW@30mHz-1GHz@Pass



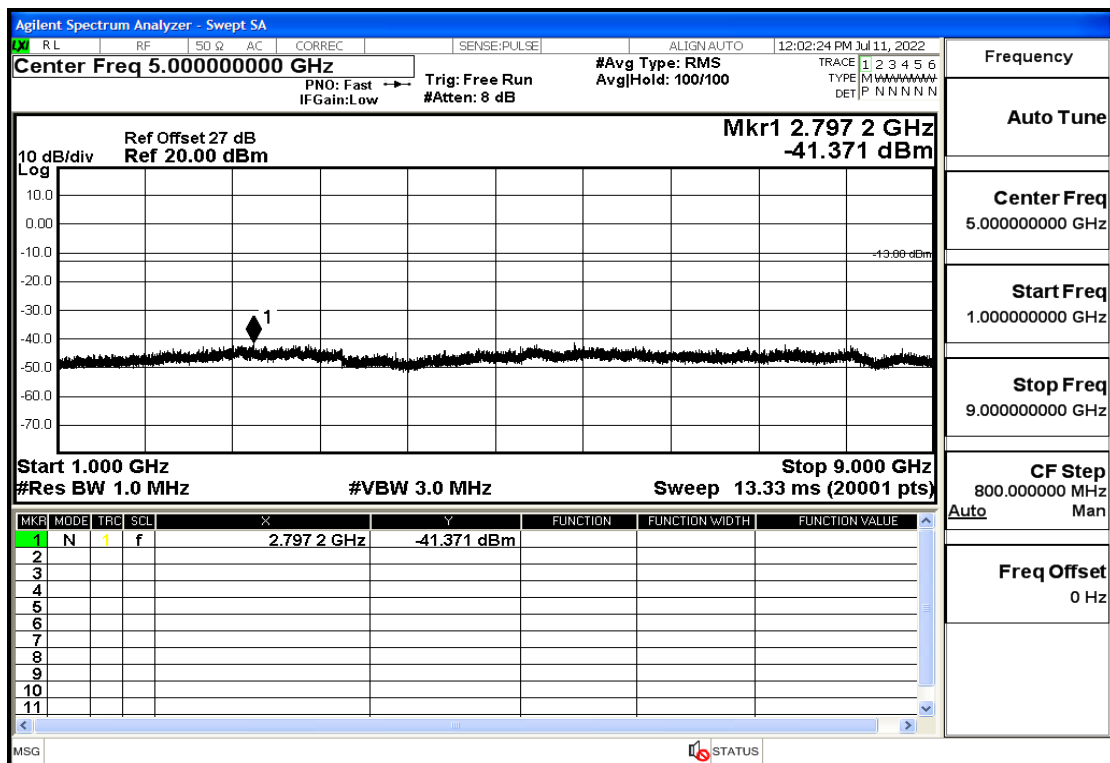
OB5-10-829-Q16-50#LOW@1GHz-9GHz@Pass



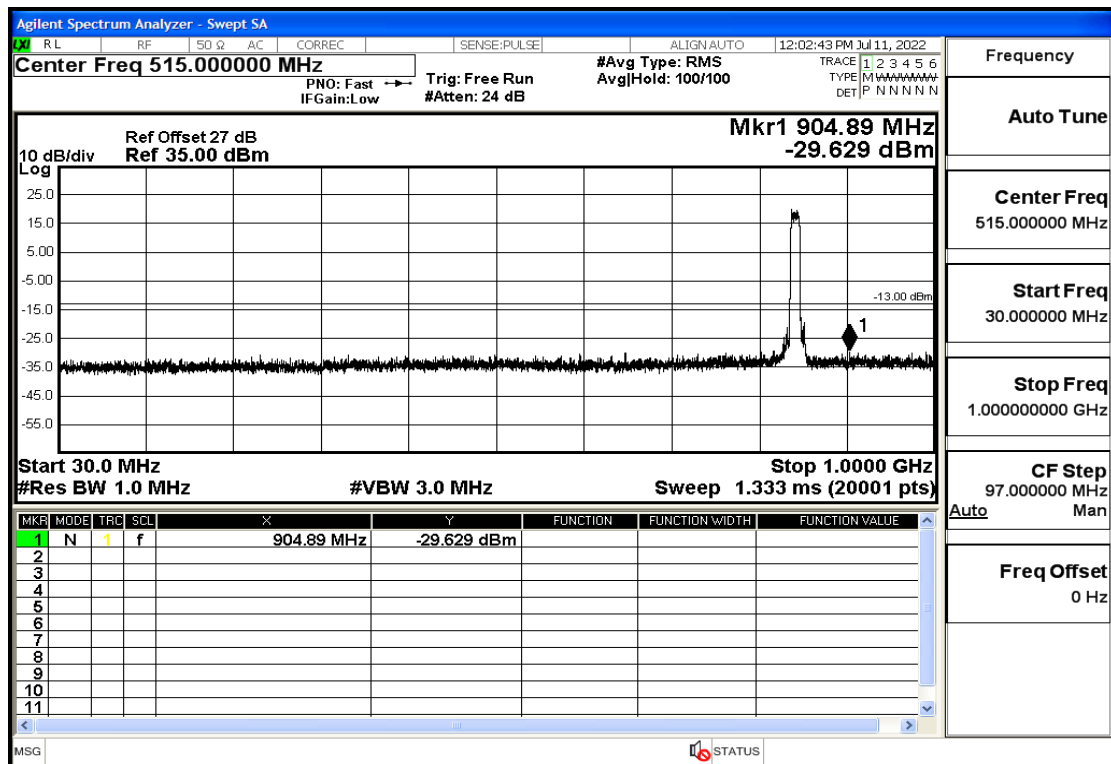
OB5-10-836.5-Q16-50#LOW@30mHz-1GHz@Pass



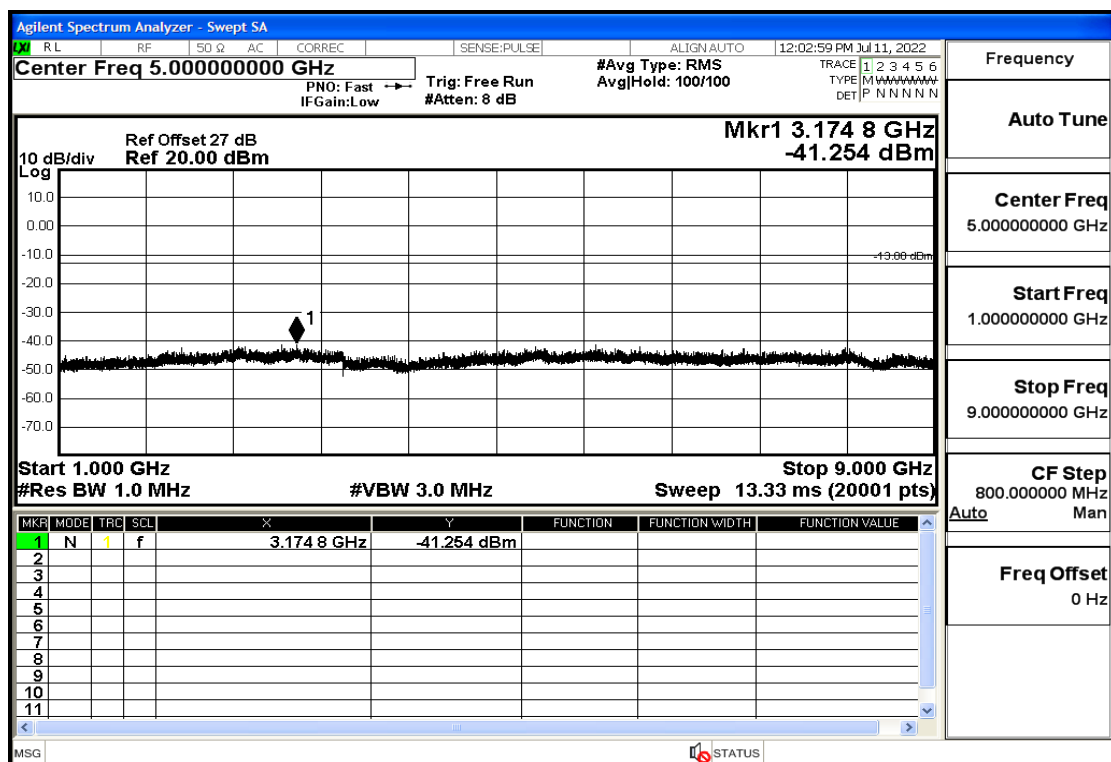
OB5-10-836.5-Q16-50#LOW@1GHz-9GHz@Pass



OB5-10-844-Q16-50#LOW@30mHz-1GHz@Pass



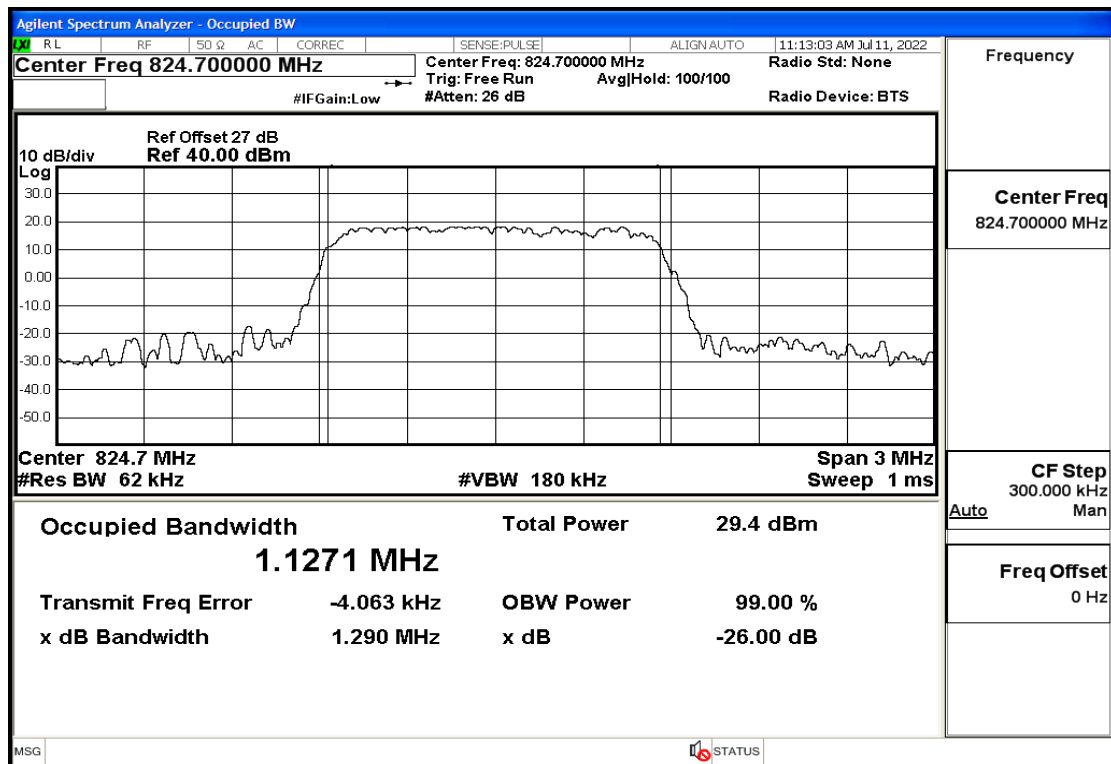
OB5-10-844-Q16-50#LOW@1GHz-9GHz@Pass



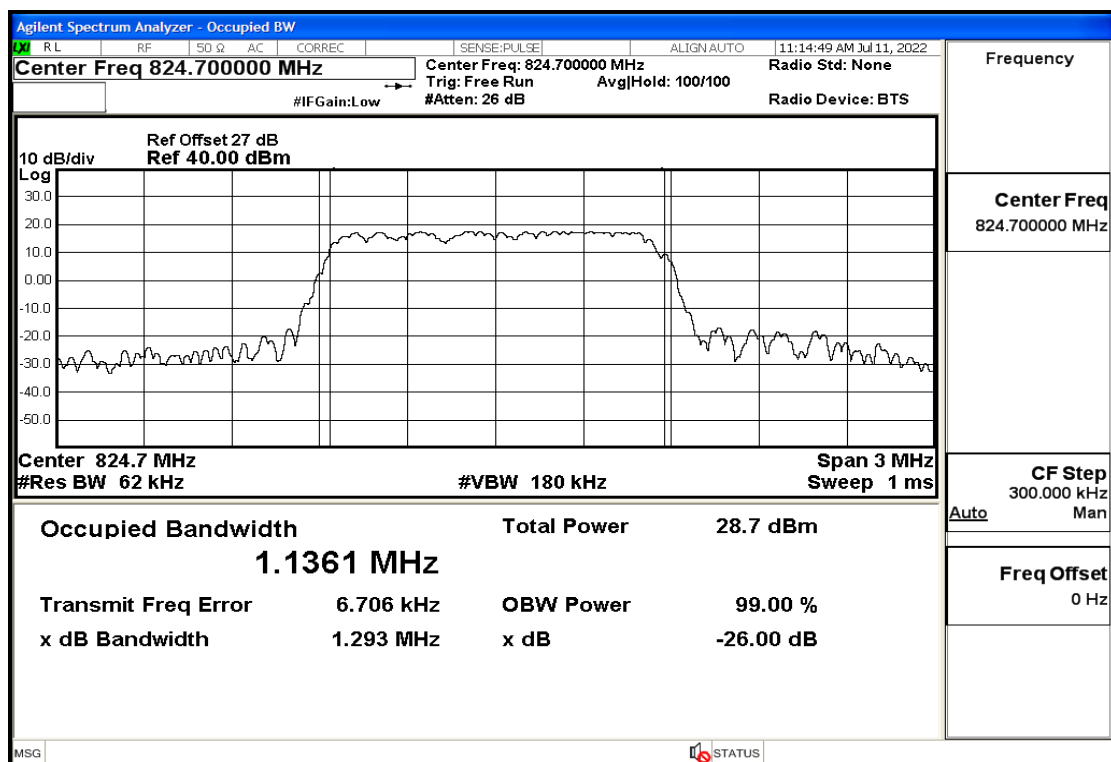
Emission bandwidth and OBW

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	1127.1	1290	No limit
Band5	1.4	824.7	16QAM	6	LOW	1136.1	1293	No limit
Band5	1.4	836.5	QPSK	6	LOW	1109.6	1282	No limit
Band5	1.4	836.5	16QAM	6	LOW	1110	1297	No limit
Band5	1.4	848.3	QPSK	6	LOW	1121.4	1290	No limit
Band5	1.4	848.3	16QAM	6	LOW	1115.4	1283	No limit
Band5	3	825.5	QPSK	15	LOW	2753.7	3114	No limit
Band5	3	825.5	16QAM	15	LOW	2770.6	3088	No limit
Band5	3	836.5	QPSK	15	LOW	2776.2	3060	No limit
Band5	3	836.5	16QAM	15	LOW	2761.9	3106	No limit
Band5	3	847.5	QPSK	15	LOW	2758.9	3085	No limit
Band5	3	847.5	16QAM	15	LOW	2771.3	3089	No limit
Band5	5	826.5	QPSK	25	LOW	4585.3	5105	No limit
Band5	5	826.5	16QAM	25	LOW	4580.6	5043	No limit
Band5	5	836.5	QPSK	25	LOW	4578.3	5109	No limit
Band5	5	836.5	16QAM	25	LOW	4573.2	5081	No limit
Band5	5	846.5	QPSK	25	LOW	4570.2	5072	No limit
Band5	5	846.5	16QAM	25	LOW	4568.8	5117	No limit
Band5	10	829	QPSK	50	LOW	9125.1	10030	No limit
Band5	10	829	16QAM	50	LOW	9107.5	10030	No limit
Band5	10	836.5	QPSK	50	LOW	9085.5	9994	No limit
Band5	10	836.5	16QAM	50	LOW	9101.7	10060	No limit
Band5	10	844	QPSK	50	LOW	9117.9	10140	No limit
Band5	10	844	16QAM	50	LOW	9083.9	9975	No limit

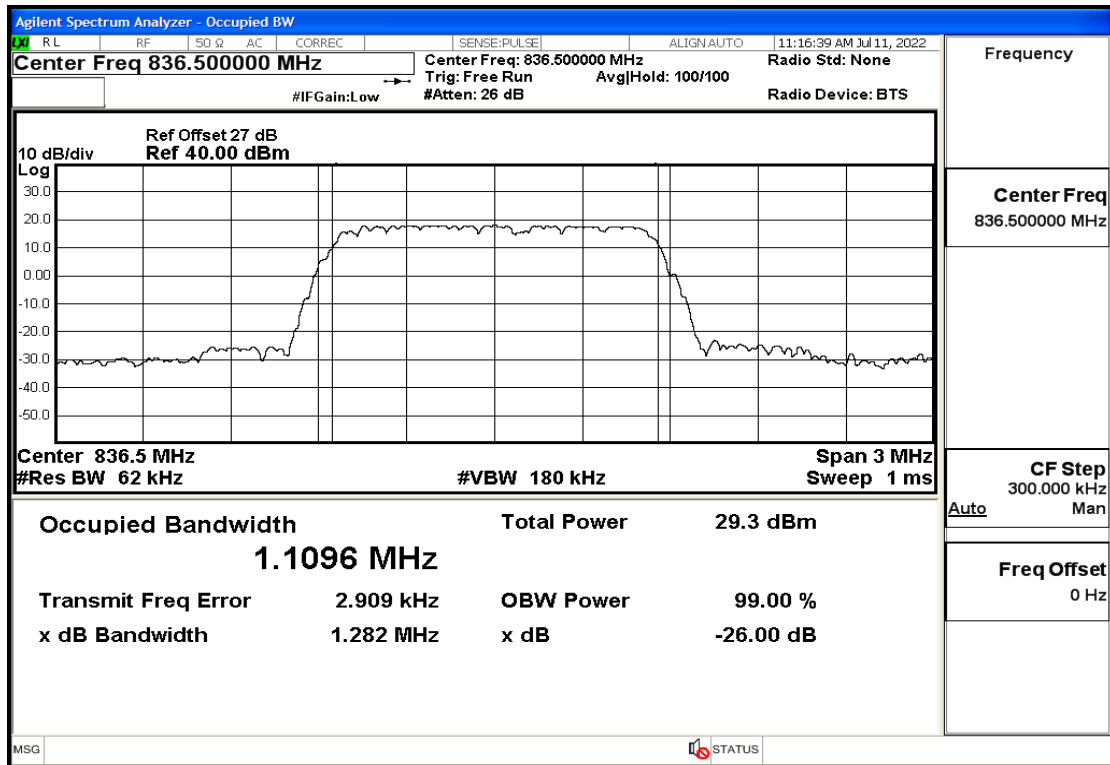
Band5-1.4-824.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



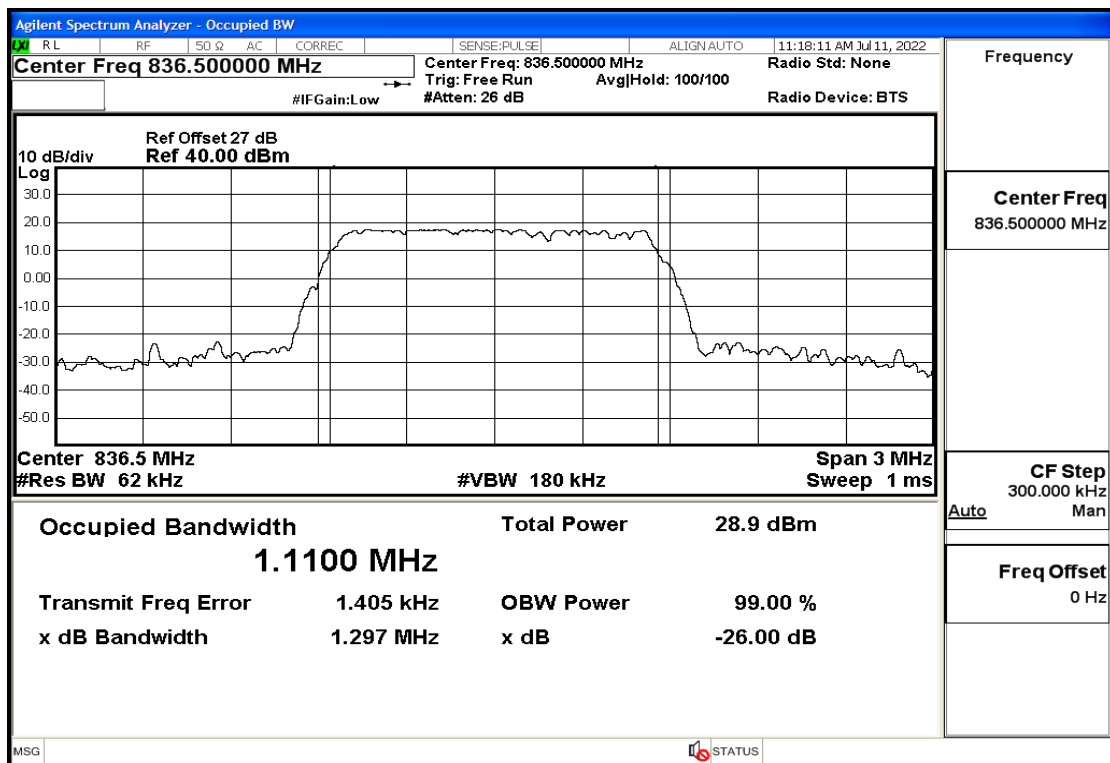
Band5-1.4-824.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



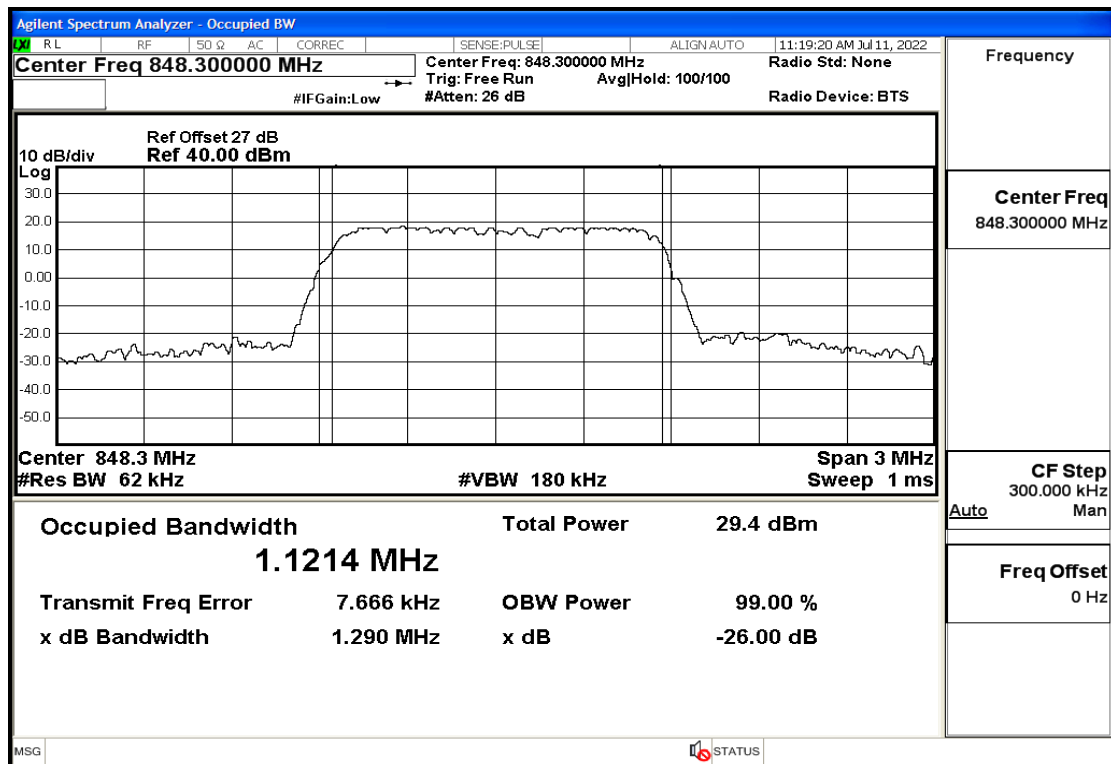
Band5-1.4-836.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



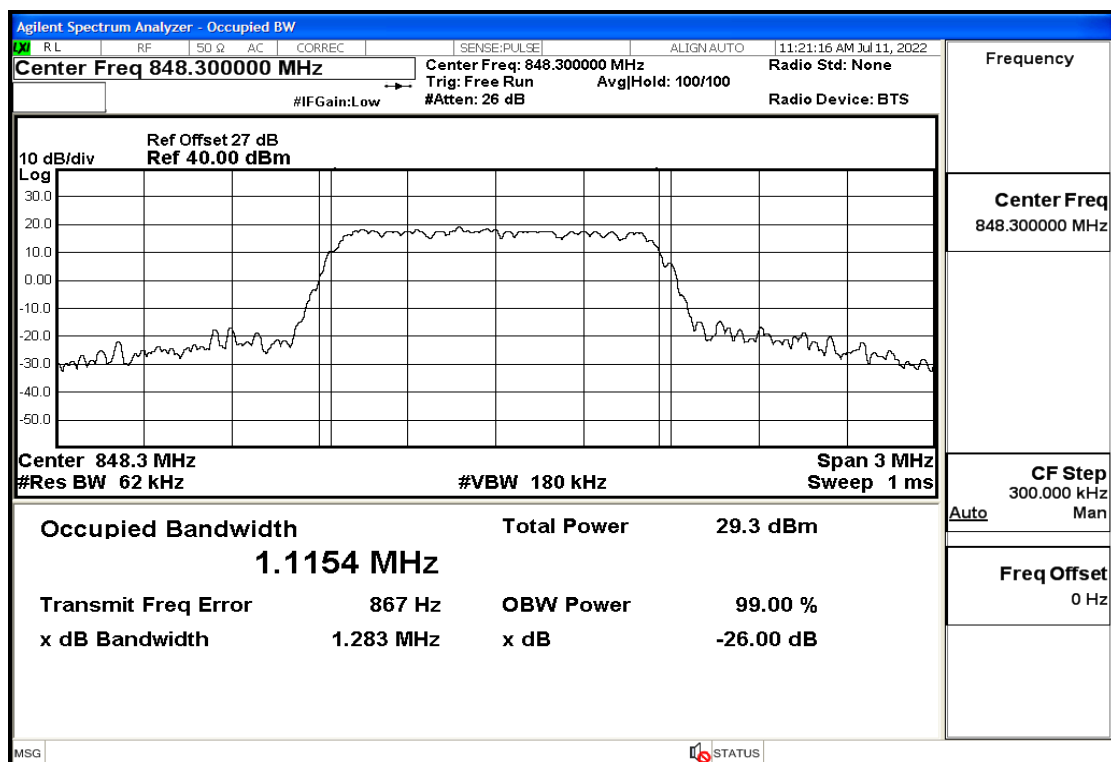
Band5-1.4-836.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



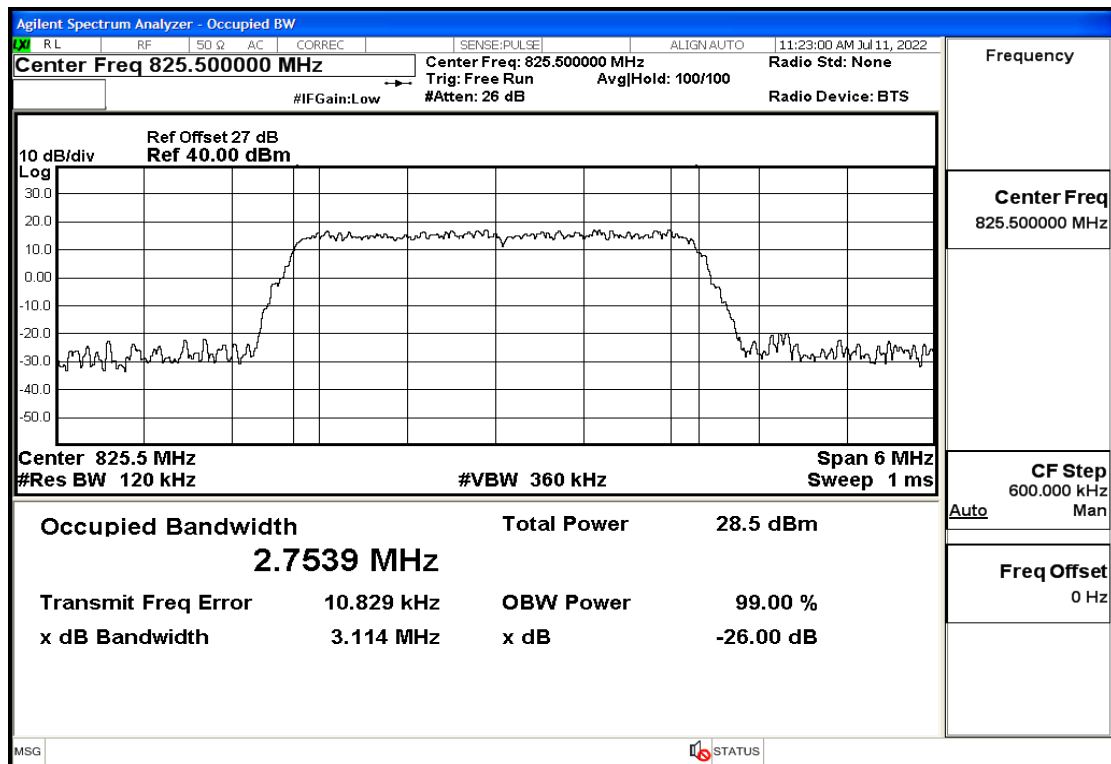
Band5-1.4-848.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



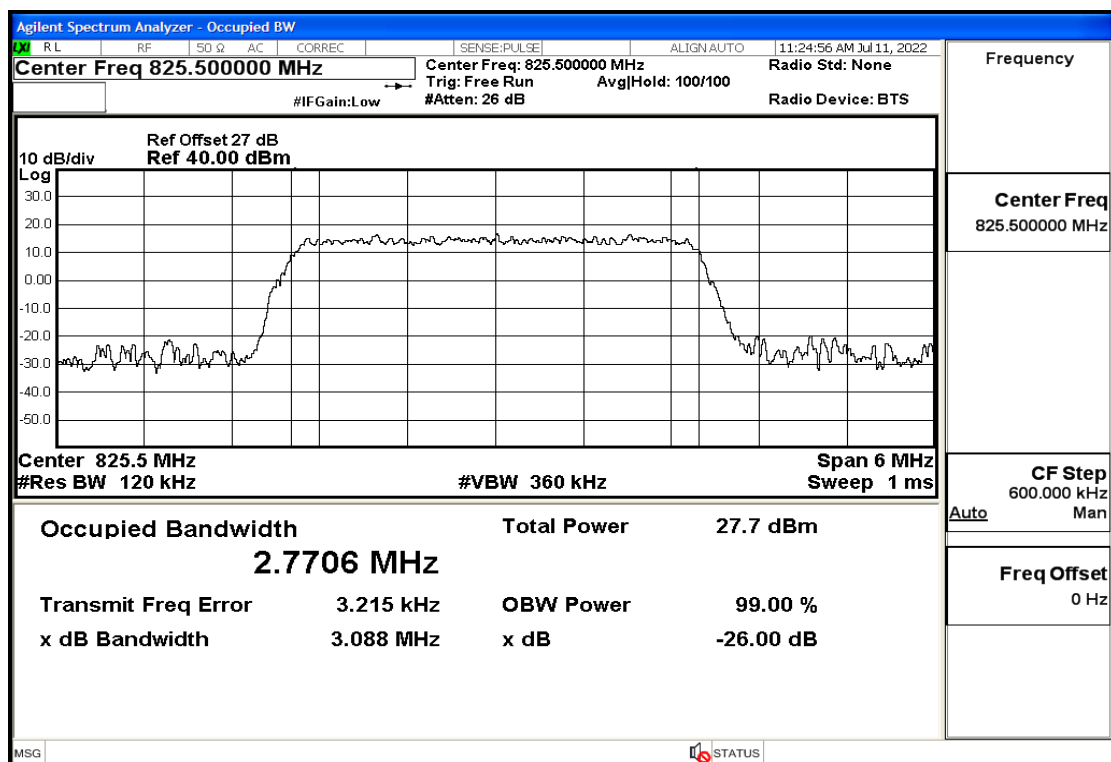
Band5-1.4-848.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



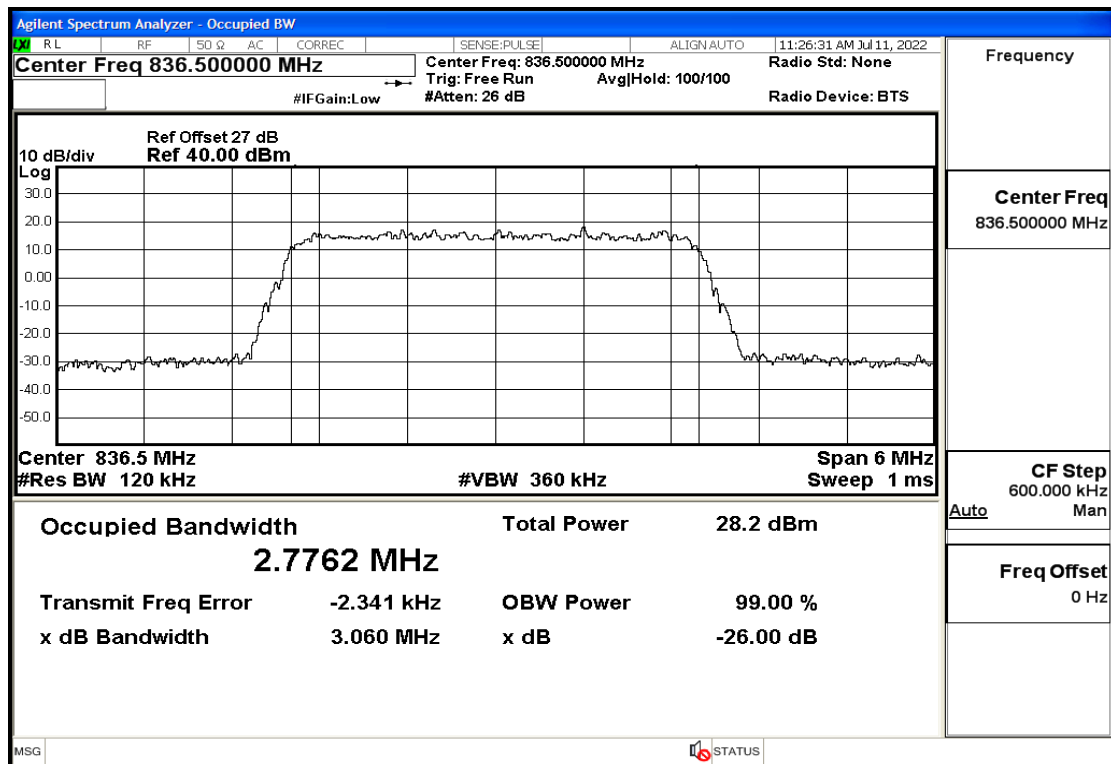
Band5-3-825.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



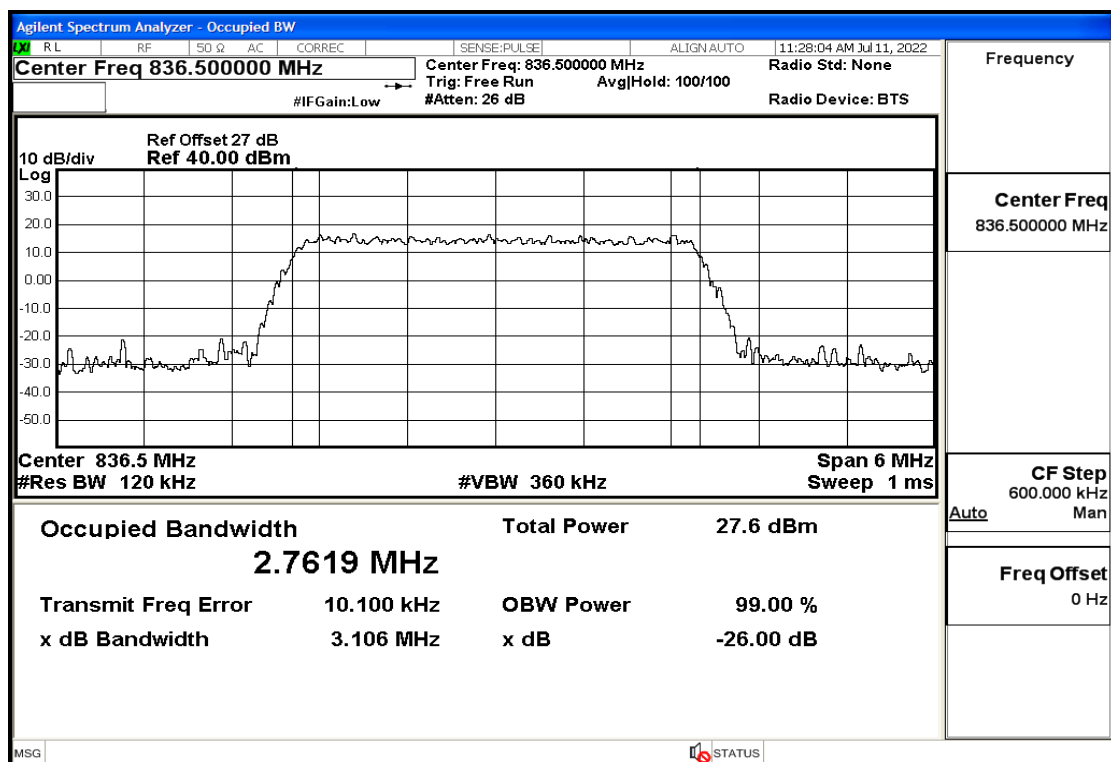
Band5-3-825.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



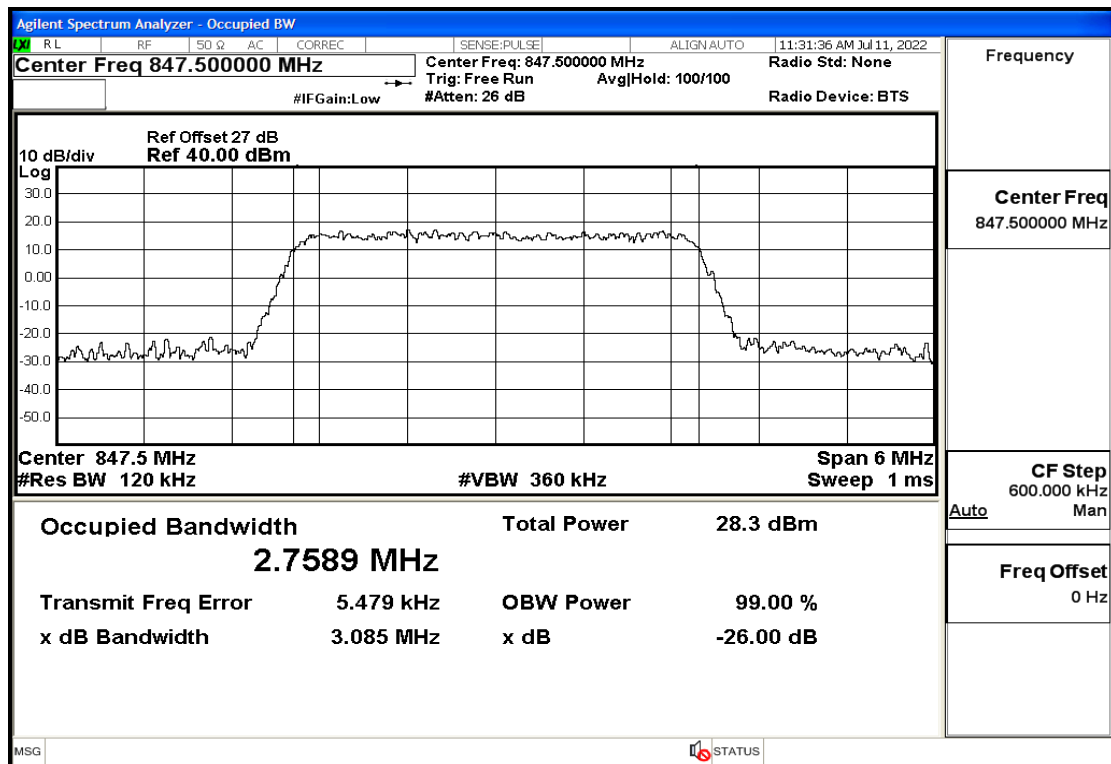
Band5-3-836.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



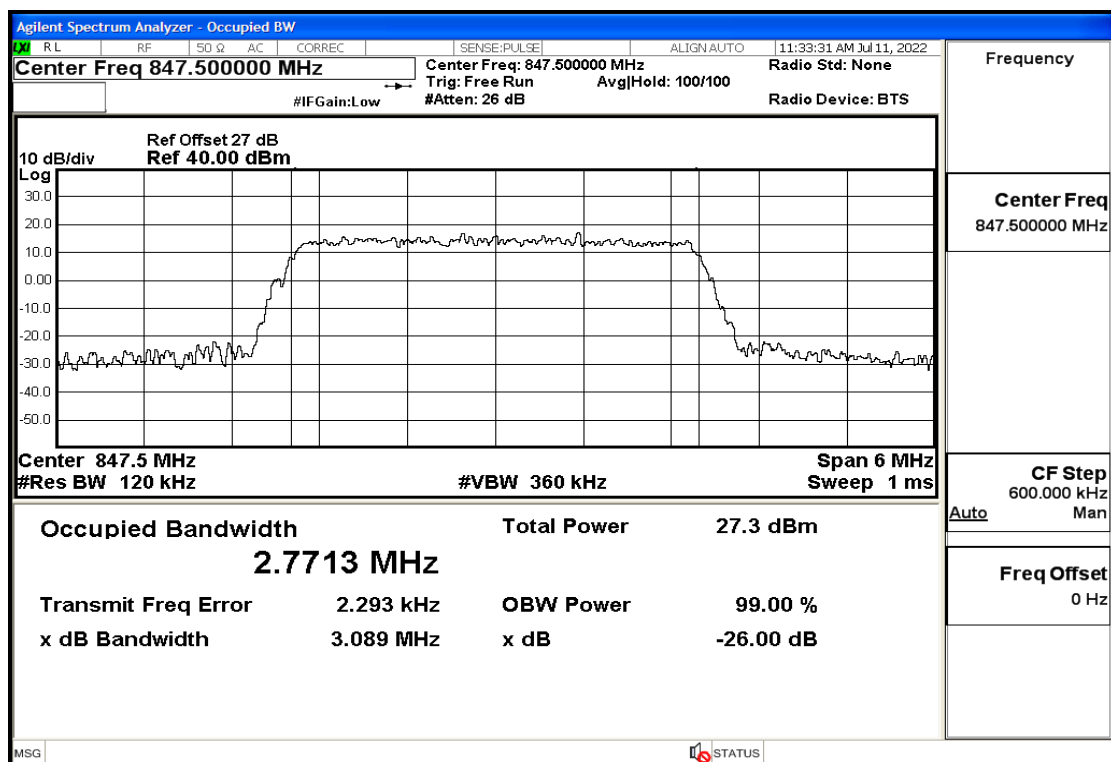
Band5-3-836.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



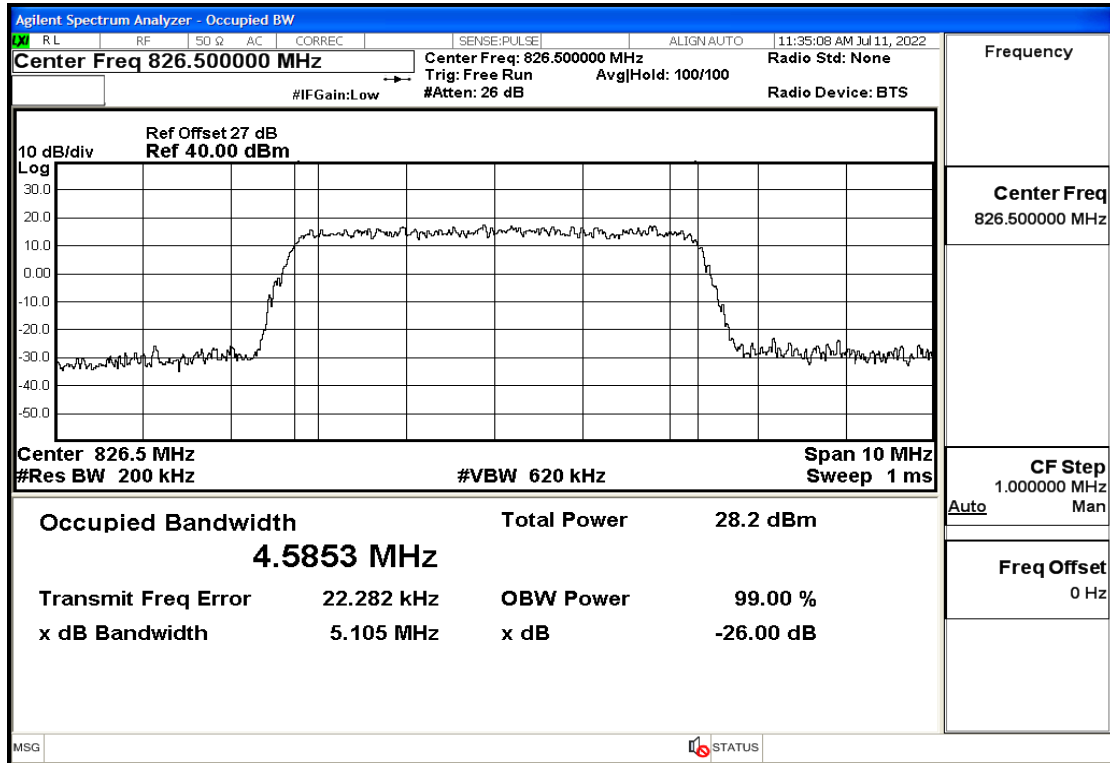
Band5-3-847.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



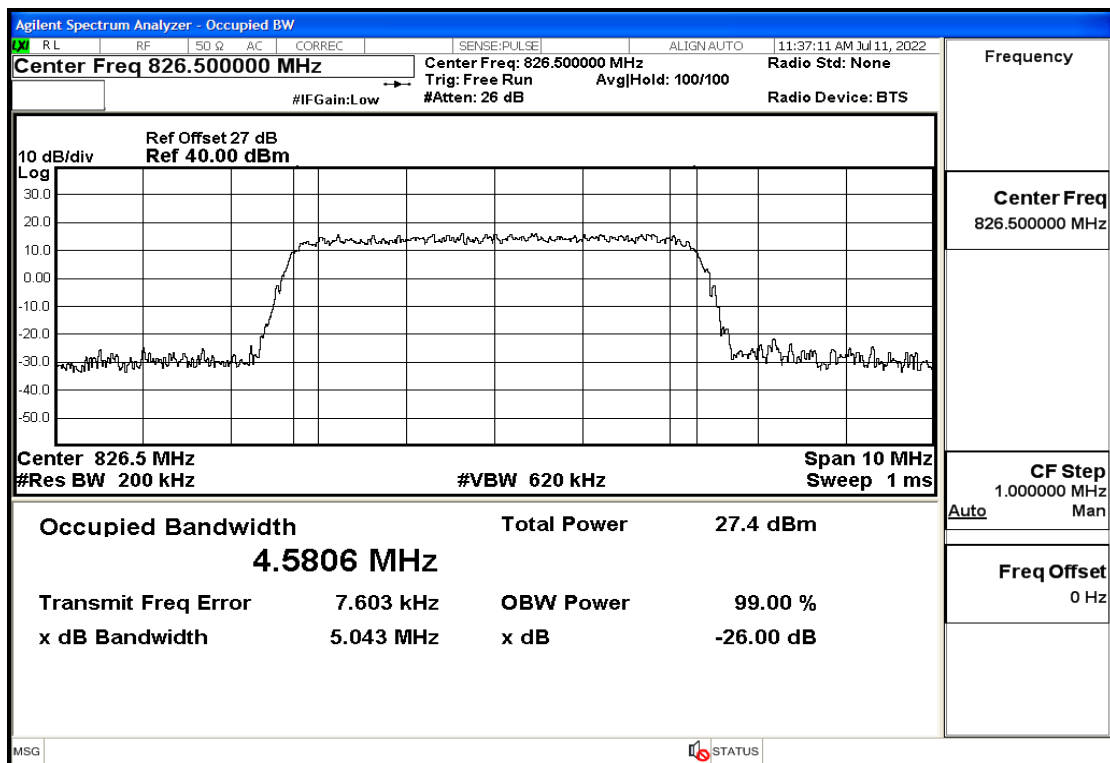
Band5-3-847.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



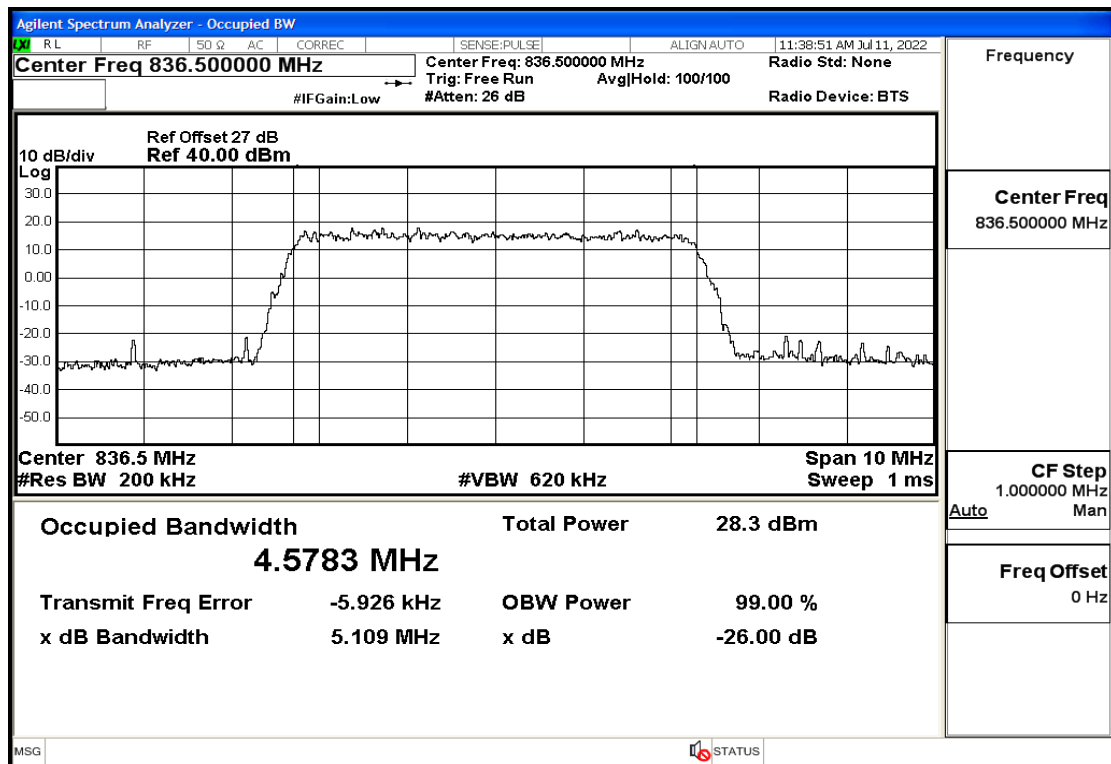
Band5-5-826.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



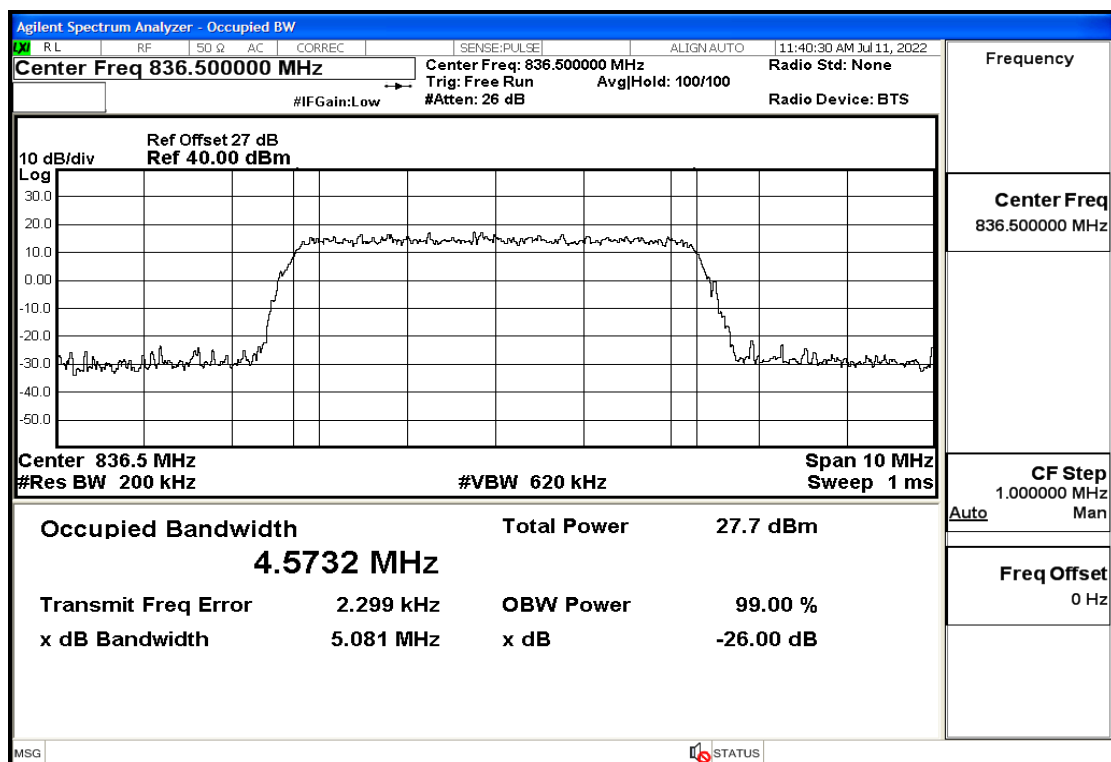
Band5-5-826.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



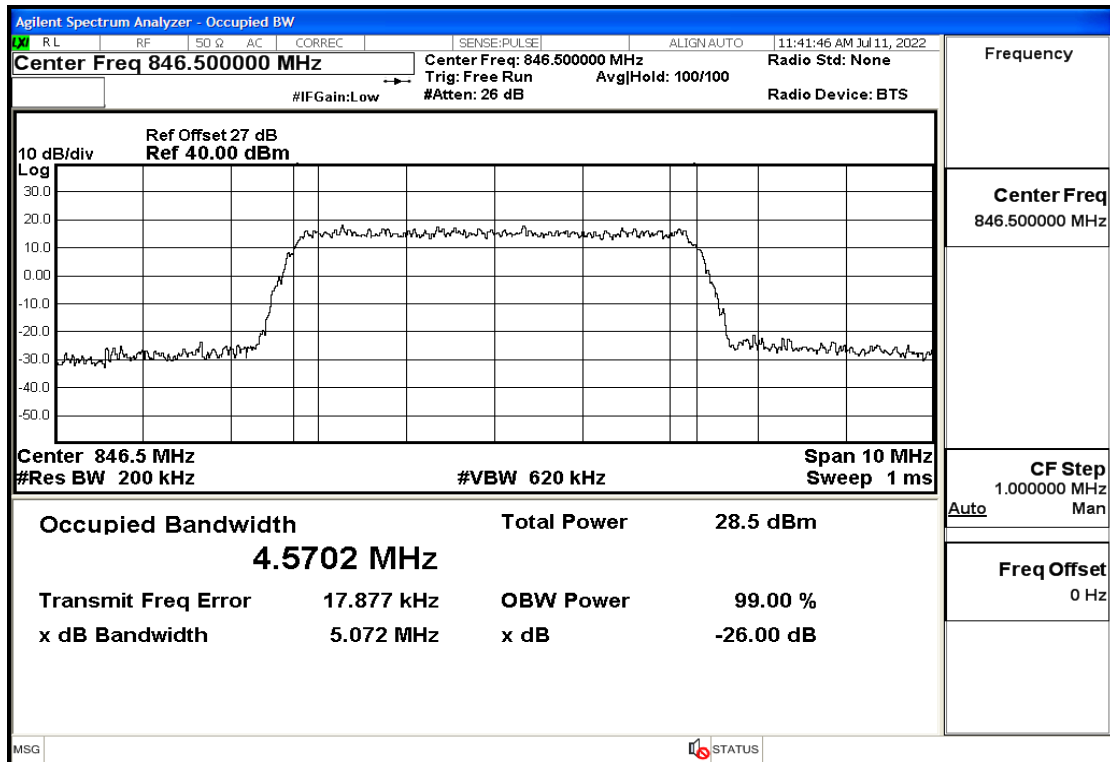
Band5-5-836.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



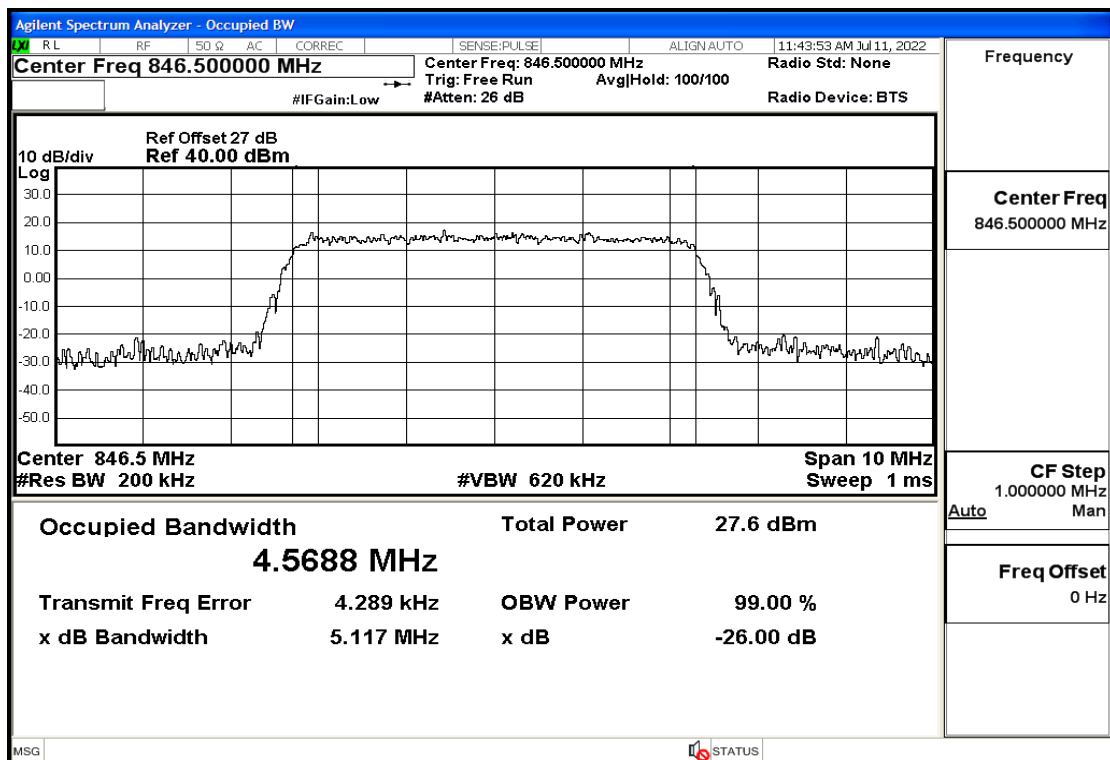
Band5-5-836.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



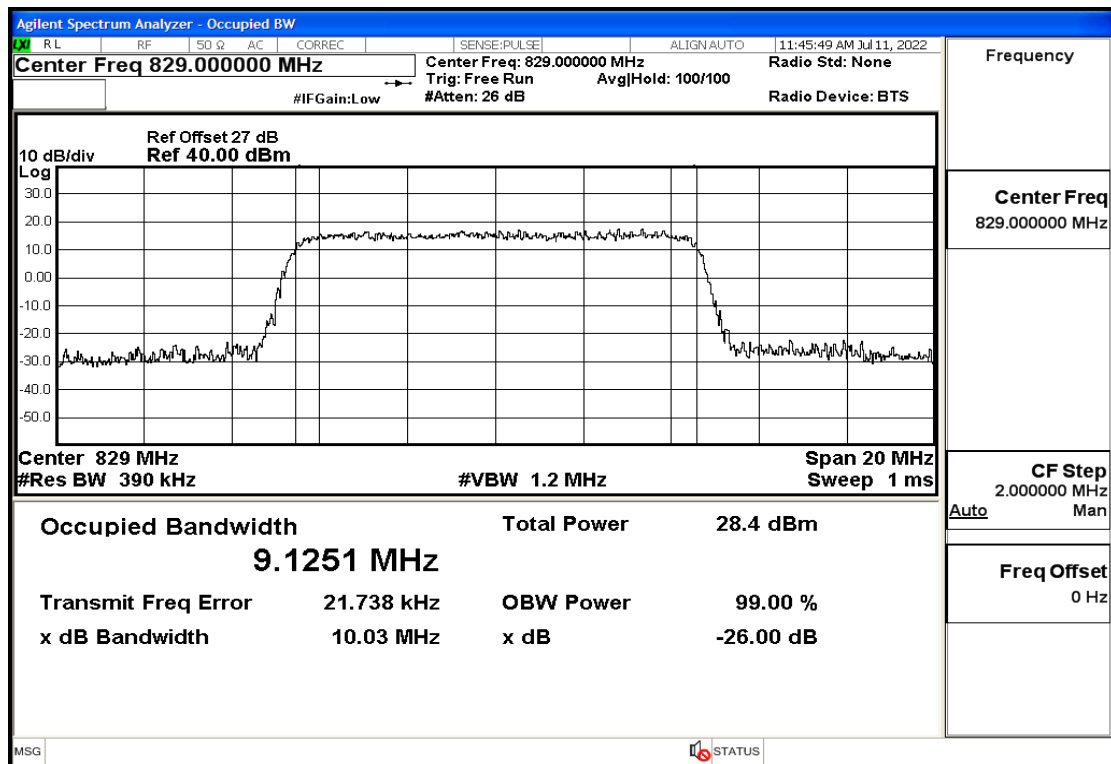
Band5-5-846.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



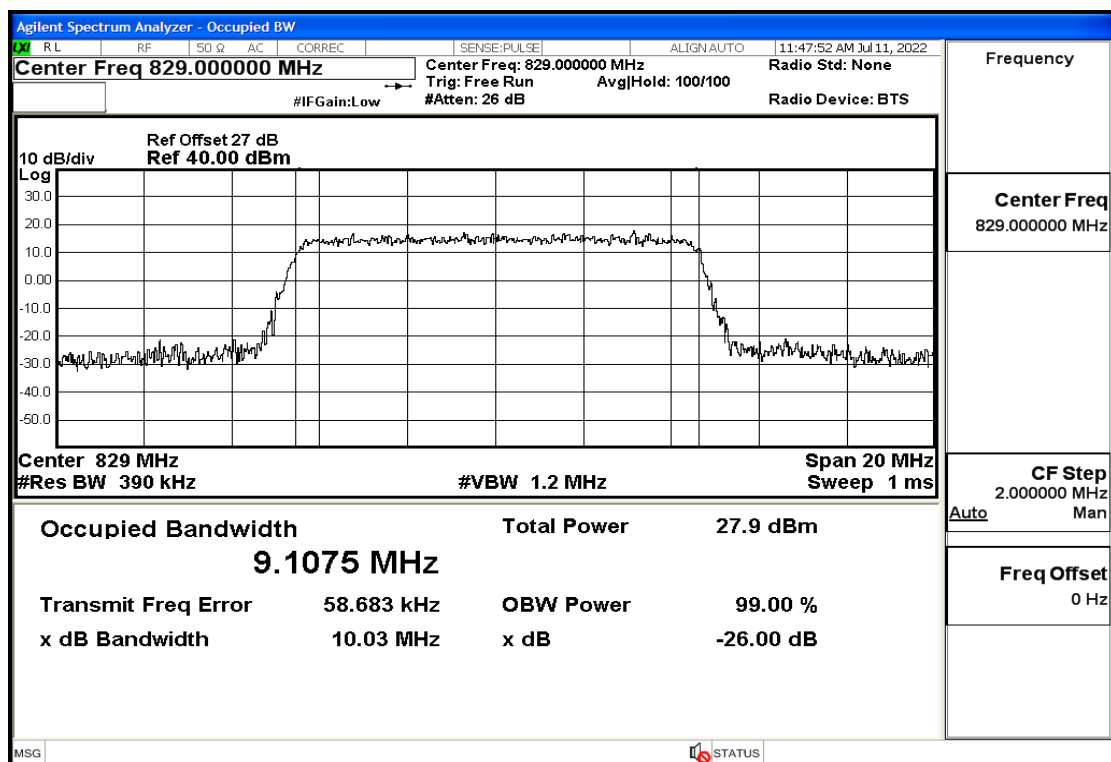
Band5-5-846.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



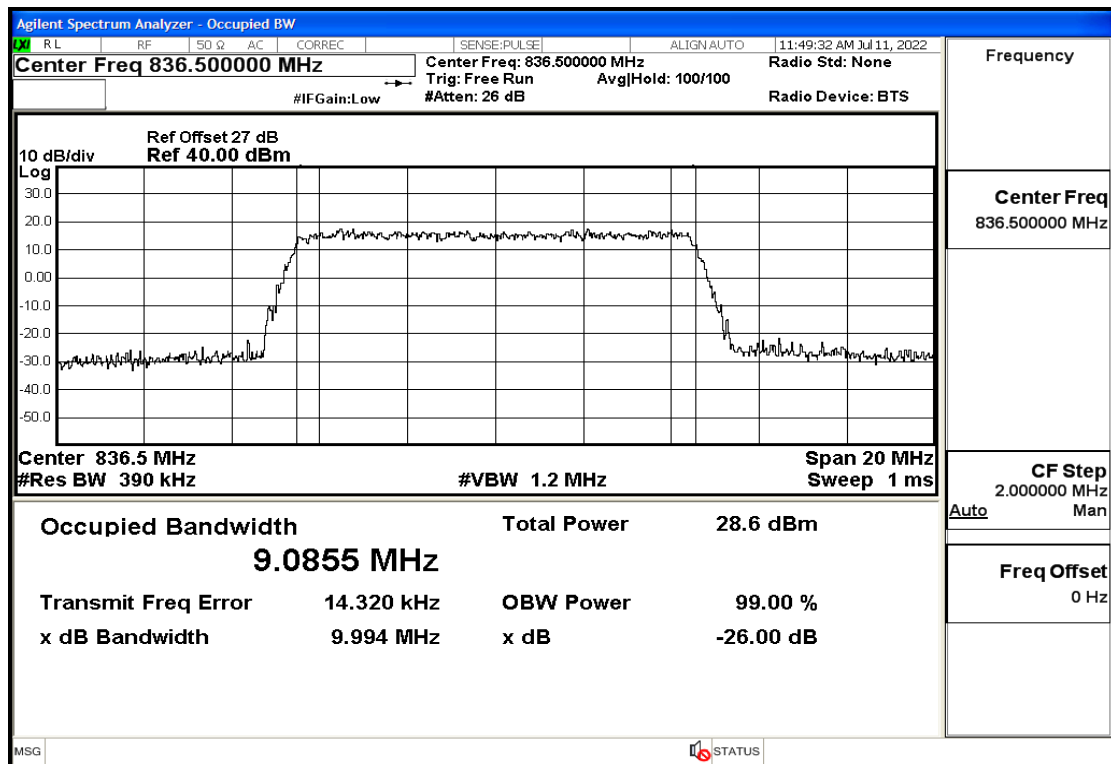
Band5-10-829-QPSK-50#LOW@26dB and 99PCT Bandwidth



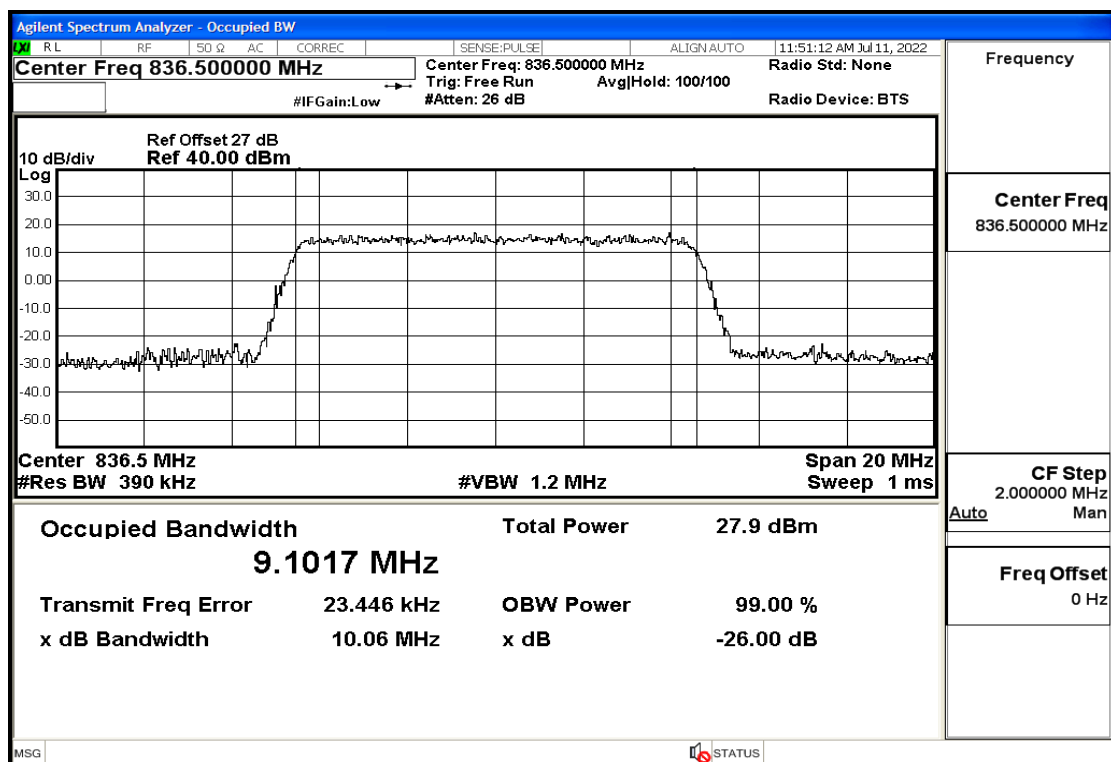
Band5-10-829-16QAM-50#LOW@26dB and 99PCT Bandwidth



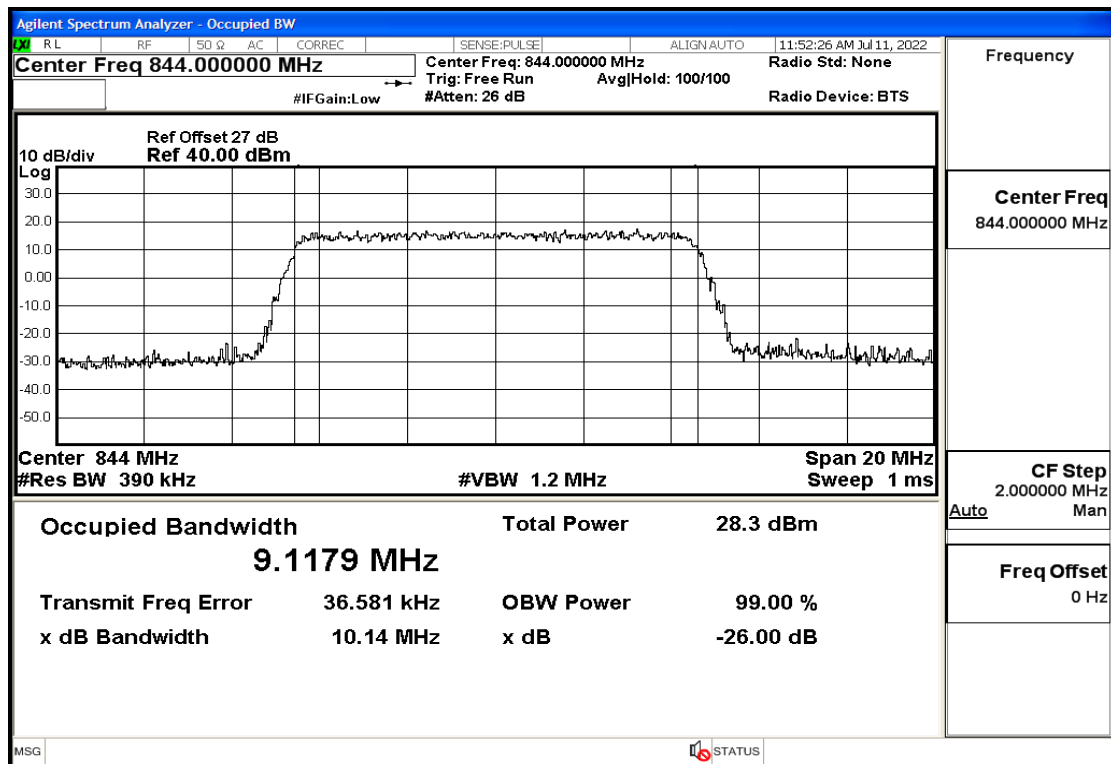
Band5-10-836.5-QPSK-50#LOW@26dB and 99PCT Bandwidth



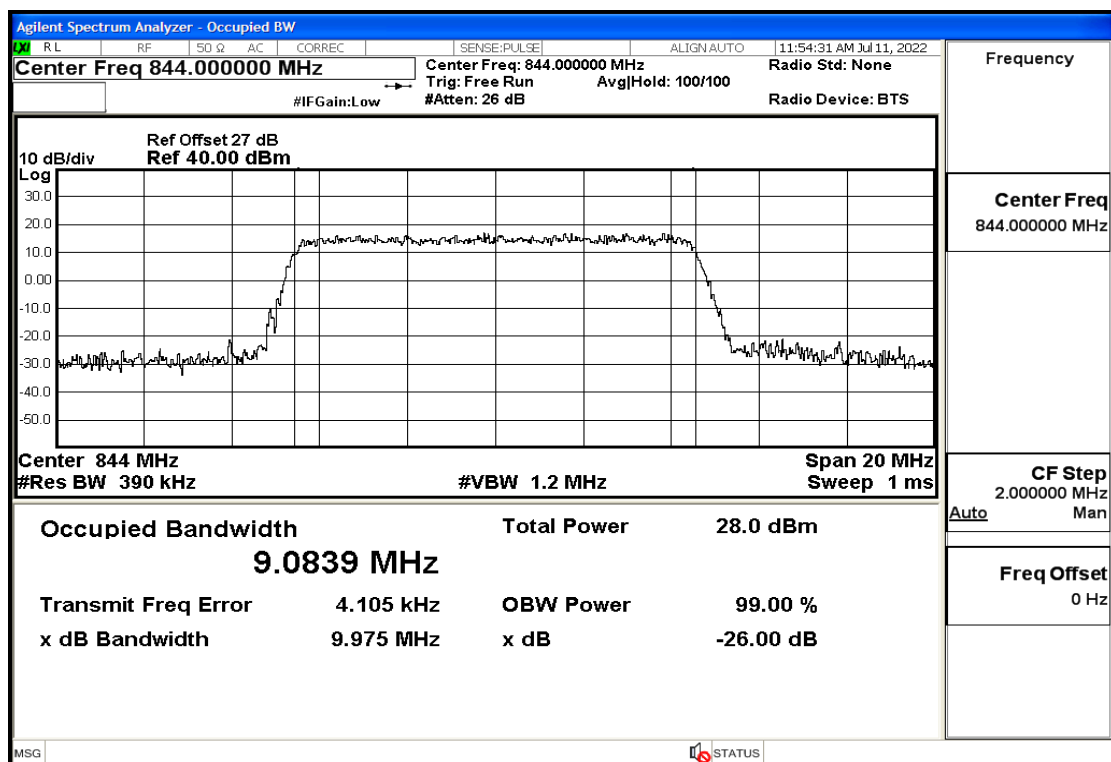
Band5-10-836.5-16QAM-50#LOW@26dB and 99PCT Bandwidth



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	0.0608	PASS
40	Normal Voltage	0.0341	
30	Normal Voltage	0.0167	
20(Ref.)	Normal Voltage	0.0279	
10	Normal Voltage	0.0630	
0	Normal Voltage	0.0168	
-10	Normal Voltage	0.0411	
-20	Normal Voltage	0.0324	
-30	Normal Voltage	0.0183	
20	Maximum Voltage	0.0200	
20	Normal Voltage	0.0243	
20	Battery End Point	0.0656	

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	21.49	27.55	6.06	13	0.6	19.94	38.5	Pass
Band5	1.4	824.7	QPSK	3	LOW	22.14	27.68	5.54	13	0.6	20.59	38.5	Pass
Band5	1.4	824.7	QPSK	3	MID	22.13	27.74	5.61	13	0.6	20.58	38.5	Pass
Band5	1.4	824.7	QPSK	3	HIGH	22.13	27.65	5.52	13	0.6	20.58	38.5	Pass
Band5	1.4	824.7	QPSK	1	LOW	22.14	27.24	5.1	13	0.6	20.59	38.5	Pass
Band5	1.4	824.7	QPSK	1	MID	22	27.13	5.13	13	0.6	20.45	38.5	Pass
Band5	1.4	824.7	QPSK	1	HIGH	21.96	27.09	5.13	13	0.6	20.41	38.5	Pass
Band5	1.4	824.7	16QAM	6	LOW	20.63	27.74	7.11	13	0.6	19.08	38.5	Pass
Band5	1.4	824.7	16QAM	3	LOW	21.52	27.24	5.72	13	0.6	19.97	38.5	Pass
Band5	1.4	824.7	16QAM	3	MID	21.51	27.28	5.77	13	0.6	19.96	38.5	Pass
Band5	1.4	824.7	16QAM	3	HIGH	21.54	27.22	5.68	13	0.6	19.99	38.5	Pass
Band5	1.4	824.7	16QAM	1	LOW	21.99	27.19	5.2	13	0.6	20.44	38.5	Pass
Band5	1.4	824.7	16QAM	1	MID	22	27.16	5.16	13	0.6	20.45	38.5	Pass
Band5	1.4	824.7	16QAM	1	HIGH	21.95	27.14	5.19	13	0.6	20.4	38.5	Pass
Band5	1.4	836.5	QPSK	6	LOW	20.9	26.74	5.84	13	0.6	19.35	38.5	Pass
Band5	1.4	836.5	QPSK	3	LOW	22.12	27.64	5.52	13	0.6	20.57	38.5	Pass
Band5	1.4	836.5	QPSK	3	MID	22.1	27.64	5.54	13	0.6	20.55	38.5	Pass
Band5	1.4	836.5	QPSK	3	HIGH	22.14	27.7	5.56	13	0.6	20.59	38.5	Pass
Band5	1.4	836.5	QPSK	1	LOW	22.21	27.45	5.24	13	0.6	20.66	38.5	Pass
Band5	1.4	836.5	QPSK	1	MID	22.04	27.32	5.28	13	0.6	20.49	38.5	Pass
Band5	1.4	836.5	QPSK	1	HIGH	22.12	27.45	5.33	13	0.6	20.57	38.5	Pass
Band5	1.4	836.5	16QAM	6	LOW	20.54	27.33	6.79	13	0.6	18.99	38.5	Pass
Band5	1.4	836.5	16QAM	3	LOW	21.25	27.73	6.48	13	0.6	19.7	38.5	Pass
Band5	1.4	836.5	16QAM	3	MID	21.25	27.74	6.49	13	0.6	19.7	38.5	Pass
Band5	1.4	836.5	16QAM	3	HIGH	21.17	27.78	6.61	13	0.6	19.62	38.5	Pass
Band5	1.4	836.5	16QAM	1	LOW	22.12	26.96	4.84	13	0.6	20.57	38.5	Pass
Band5	1.4	836.5	16QAM	1	MID	22.05	26.86	4.81	13	0.6	20.5	38.5	Pass
Band5	1.4	836.5	16QAM	1	HIGH	22.07	26.93	4.86	13	0.6	20.52	38.5	Pass
Band5	1.4	848.3	QPSK	6	LOW	21.1	26.74	5.64	13	0.6	19.55	38.5	Pass
Band5	1.4	848.3	QPSK	3	LOW	22.03	27.17	5.14	13	0.6	20.48	38.5	Pass
Band5	1.4	848.3	QPSK	3	MID	22.02	27.18	5.16	13	0.6	20.47	38.5	Pass
Band5	1.4	848.3	QPSK	3	HIGH	22.11	27.09	4.98	13	0.6	20.56	38.5	Pass
Band5	1.4	848.3	QPSK	1	LOW	22.13	26.72	4.59	13	0.6	20.58	38.5	Pass
Band5	1.4	848.3	QPSK	1	MID	22.2	26.71	4.51	13	0.6	20.65	38.5	Pass
Band5	1.4	848.3	QPSK	1	HIGH	21.99	26.61	4.62	13	0.6	20.44	38.5	Pass
Band5	1.4	848.3	16QAM	6	LOW	20.73	27.19	6.46	13	0.6	19.18	38.5	Pass
Band5	1.4	848.3	16QAM	3	LOW	21.27	27.16	5.89	13	0.6	19.72	38.5	Pass
Band5	1.4	848.3	16QAM	3	MID	21.27	27.2	5.93	13	0.6	19.72	38.5	Pass
Band5	1.4	848.3	16QAM	3	HIGH	21.22	27.07	5.85	13	0.6	19.67	38.5	Pass
Band5	1.4	848.3	16QAM	1	LOW	21.17	26.1	4.93	13	0.6	19.62	38.5	Pass

Band5	1.4	848.3	16QAM	1	MID	21.21	26.11	4.9	13	0.6	19.66	38.5	Pass
Band5	1.4	848.3	16QAM	1	HIGH	21.05	25.98	4.93	13	0.6	19.5	38.5	Pass
Band5	3	825.5	QPSK	15	LOW	21.3	27.67	6.37	13	0.6	19.75	38.5	Pass
Band5	3	825.5	QPSK	8	LOW	21.45	27.17	5.72	13	0.6	19.9	38.5	Pass
Band5	3	825.5	QPSK	8	MID	21.44	27.17	5.73	13	0.6	19.89	38.5	Pass
Band5	3	825.5	QPSK	8	HIGH	21.01	26.84	5.83	13	0.6	19.46	38.5	Pass
Band5	3	825.5	QPSK	1	LOW	22.07	26.84	4.77	13	0.6	20.52	38.5	Pass
Band5	3	825.5	QPSK	1	MID	21.9	26.69	4.79	13	0.6	20.35	38.5	Pass
Band5	3	825.5	QPSK	1	HIGH	21.92	26.64	4.72	13	0.6	20.37	38.5	Pass
Band5	3	825.5	16QAM	15	LOW	20.46	27.21	6.75	13	0.6	18.91	38.5	Pass
Band5	3	825.5	16QAM	8	LOW	20.67	27.32	6.65	13	0.6	19.12	38.5	Pass
Band5	3	825.5	16QAM	8	MID	20.62	27.26	6.64	13	0.6	19.07	38.5	Pass
Band5	3	825.5	16QAM	8	HIGH	20.19	26.84	6.65	13	0.6	18.64	38.5	Pass
Band5	3	825.5	16QAM	1	LOW	21.53	27.41	5.88	13	0.6	19.98	38.5	Pass
Band5	3	825.5	16QAM	1	MID	21.61	27.4	5.79	13	0.6	20.06	38.5	Pass
Band5	3	825.5	16QAM	1	HIGH	21.19	27.13	5.94	13	0.6	19.64	38.5	Pass
Band5	3	836.5	QPSK	15	LOW	21.07	27.06	5.99	13	0.6	19.52	38.5	Pass
Band5	3	836.5	QPSK	8	LOW	21	27.22	6.22	13	0.6	19.45	38.5	Pass
Band5	3	836.5	QPSK	8	MID	21.16	27.25	6.09	13	0.6	19.61	38.5	Pass
Band5	3	836.5	QPSK	8	HIGH	21	27.26	6.26	13	0.6	19.45	38.5	Pass
Band5	3	836.5	QPSK	1	LOW	22.18	27.38	5.2	13	0.6	20.63	38.5	Pass
Band5	3	836.5	QPSK	1	MID	22.12	27.38	5.26	13	0.6	20.57	38.5	Pass
Band5	3	836.5	QPSK	1	HIGH	22.11	27.39	5.28	13	0.6	20.56	38.5	Pass
Band5	3	836.5	16QAM	15	LOW	20.5	27.23	6.73	13	0.6	18.95	38.5	Pass
Band5	3	836.5	16QAM	8	LOW	20.14	26.65	6.51	13	0.6	18.59	38.5	Pass
Band5	3	836.5	16QAM	8	MID	20.15	26.52	6.37	13	0.6	18.6	38.5	Pass
Band5	3	836.5	16QAM	8	HIGH	20.44	27.11	6.67	13	0.6	18.89	38.5	Pass
Band5	3	836.5	16QAM	1	LOW	21.94	27.14	5.2	13	0.6	20.39	38.5	Pass
Band5	3	836.5	16QAM	1	MID	21.66	27.07	5.41	13	0.6	20.11	38.5	Pass
Band5	3	836.5	16QAM	1	HIGH	21.69	26.63	4.94	13	0.6	20.14	38.5	Pass
Band5	3	847.5	QPSK	15	LOW	21	27.61	6.61	13	0.6	19.45	38.5	Pass
Band5	3	847.5	QPSK	8	LOW	21.07	26.98	5.91	13	0.6	19.52	38.5	Pass
Band5	3	847.5	QPSK	8	MID	21.07	26.93	5.86	13	0.6	19.52	38.5	Pass
Band5	3	847.5	QPSK	8	HIGH	20.99	27.01	6.02	13	0.6	19.44	38.5	Pass
Band5	3	847.5	QPSK	1	LOW	22.22	26.94	4.72	13	0.6	20.67	38.5	Pass
Band5	3	847.5	QPSK	1	MID	22.14	26.72	4.58	13	0.6	20.59	38.5	Pass
Band5	3	847.5	QPSK	1	HIGH	22.14	26.64	4.5	13	0.6	20.59	38.5	Pass
Band5	3	847.5	16QAM	15	LOW	20.1	26.79	6.69	13	0.6	18.55	38.5	Pass
Band5	3	847.5	16QAM	8	LOW	20.39	26.79	6.4	13	0.6	18.84	38.5	Pass
Band5	3	847.5	16QAM	8	MID	20.39	26.54	6.15	13	0.6	18.84	38.5	Pass
Band5	3	847.5	16QAM	8	HIGH	20.65	26.88	6.23	13	0.6	19.1	38.5	Pass
Band5	3	847.5	16QAM	1	LOW	21.1	26.12	5.02	13	0.6	19.55	38.5	Pass
Band5	3	847.5	16QAM	1	MID	21.07	25.98	4.91	13	0.6	19.52	38.5	Pass
Band5	3	847.5	16QAM	1	HIGH	20.96	25.85	4.89	13	0.6	19.41	38.5	Pass
Band5	5	826.5	QPSK	25	LOW	20.82	27.11	6.29	13	0.6	19.27	38.5	Pass
Band5	5	826.5	QPSK	12	LOW	21.33	27.25	5.92	13	0.6	19.78	38.5	Pass

Band5	5	826.5	QPSK	12	MID	21.32	27.13	5.81	13	0.6	19.77	38.5	Pass
Band5	5	826.5	QPSK	12	HIGH	20.95	26.85	5.9	13	0.6	19.4	38.5	Pass
Band5	5	826.5	QPSK	1	LOW	22.13	27.65	5.52	13	0.6	20.58	38.5	Pass
Band5	5	826.5	QPSK	1	MID	21.92	27.42	5.5	13	0.6	20.37	38.5	Pass
Band5	5	826.5	QPSK	1	HIGH	22.15	27.48	5.33	13	0.6	20.6	38.5	Pass
Band5	5	826.5	16QAM	25	LOW	20.17	27.52	7.35	13	0.6	18.62	38.5	Pass
Band5	5	826.5	16QAM	12	LOW	20.41	27.36	6.95	13	0.6	18.86	38.5	Pass
Band5	5	826.5	16QAM	12	MID	20.4	27.47	7.07	13	0.6	18.85	38.5	Pass
Band5	5	826.5	16QAM	12	HIGH	19.99	27.13	7.14	13	0.6	18.44	38.5	Pass
Band5	5	826.5	16QAM	1	LOW	20.64	26.31	5.67	13	0.6	19.09	38.5	Pass
Band5	5	826.5	16QAM	1	MID	20.35	26.02	5.67	13	0.6	18.8	38.5	Pass
Band5	5	826.5	16QAM	1	HIGH	20.34	26.05	5.71	13	0.6	18.79	38.5	Pass
Band5	5	836.5	QPSK	25	LOW	20.98	27.55	6.57	13	0.6	19.43	38.5	Pass
Band5	5	836.5	QPSK	12	LOW	21.17	27.7	6.53	13	0.6	19.62	38.5	Pass
Band5	5	836.5	QPSK	12	MID	21.17	27.6	6.43	13	0.6	19.62	38.5	Pass
Band5	5	836.5	QPSK	12	HIGH	20.99	27.72	6.73	13	0.6	19.44	38.5	Pass
Band5	5	836.5	QPSK	1	LOW	22.14	27.58	5.44	13	0.6	20.59	38.5	Pass
Band5	5	836.5	QPSK	1	MID	22.45	27.58	5.13	13	0.6	20.9	38.5	Pass
Band5	5	836.5	QPSK	1	HIGH	22.2	27.56	5.36	13	0.6	20.65	38.5	Pass
Band5	5	836.5	16QAM	25	LOW	20.34	27.31	6.97	13	0.6	18.79	38.5	Pass
Band5	5	836.5	16QAM	12	LOW	20.1	26.86	6.76	13	0.6	18.55	38.5	Pass
Band5	5	836.5	16QAM	12	MID	20.11	26.98	6.87	13	0.6	18.56	38.5	Pass
Band5	5	836.5	16QAM	12	HIGH	20.41	27.17	6.76	13	0.6	18.86	38.5	Pass
Band5	5	836.5	16QAM	1	LOW	21.24	26.99	5.75	13	0.6	19.69	38.5	Pass
Band5	5	836.5	16QAM	1	MID	21.24	27.08	5.84	13	0.6	19.69	38.5	Pass
Band5	5	836.5	16QAM	1	HIGH	21.59	27.33	5.74	13	0.6	20.04	38.5	Pass
Band5	5	846.5	QPSK	25	LOW	21.07	27.09	6.02	13	0.6	19.52	38.5	Pass
Band5	5	846.5	QPSK	12	LOW	21.39	27.01	5.62	13	0.6	19.84	38.5	Pass
Band5	5	846.5	QPSK	12	MID	21.38	27.04	5.66	13	0.6	19.83	38.5	Pass
Band5	5	846.5	QPSK	12	HIGH	20.99	26.65	5.66	13	0.6	19.44	38.5	Pass
Band5	5	846.5	QPSK	1	LOW	22.03	27.19	5.16	13	0.6	20.48	38.5	Pass
Band5	5	846.5	QPSK	1	MID	22.13	27.05	4.92	13	0.6	20.58	38.5	Pass
Band5	5	846.5	QPSK	1	HIGH	21.88	26.73	4.85	13	0.6	20.33	38.5	Pass
Band5	5	846.5	16QAM	25	LOW	20.14	27.16	7.02	13	0.6	18.59	38.5	Pass
Band5	5	846.5	16QAM	12	LOW	20.3	26.82	6.52	13	0.6	18.75	38.5	Pass
Band5	5	846.5	16QAM	12	MID	20.46	27	6.54	13	0.6	18.91	38.5	Pass
Band5	5	846.5	16QAM	12	HIGH	20.28	26.8	6.52	13	0.6	18.73	38.5	Pass
Band5	5	846.5	16QAM	1	LOW	21.35	27.29	5.94	13	0.6	19.8	38.5	Pass
Band5	5	846.5	16QAM	1	MID	21.17	26.98	5.81	13	0.6	19.62	38.5	Pass
Band5	5	846.5	16QAM	1	HIGH	21.16	26.95	5.79	13	0.6	19.61	38.5	Pass
Band5	10	829	QPSK	50	LOW	21.11	27.38	6.27	13	0.6	19.56	38.5	Pass
Band5	10	829	QPSK	25	LOW	20.98	27.18	6.2	13	0.6	19.43	38.5	Pass
Band5	10	829	QPSK	25	MID	20.98	27.15	6.17	13	0.6	19.43	38.5	Pass
Band5	10	829	QPSK	25	HIGH	21.09	27.23	6.14	13	0.6	19.54	38.5	Pass
Band5	10	829	QPSK	1	LOW	22.06	26.86	4.8	13	0.6	20.51	38.5	Pass
Band5	10	829	QPSK	1	MID	22.04	26.76	4.72	13	0.6	20.49	38.5	Pass

Band5	10	829	QPSK	1	HIGH	21.97	26.87	4.9	13	0.6	20.42	38.5	Pass
Band5	10	829	16QAM	50	LOW	20.42	28.01	7.59	13	0.6	18.87	38.5	Pass
Band5	10	829	16QAM	25	LOW	20.03	27.16	7.13	13	0.6	18.48	38.5	Pass
Band5	10	829	16QAM	25	MID	20.03	27.1	7.07	13	0.6	18.48	38.5	Pass
Band5	10	829	16QAM	25	HIGH	20.17	27.22	7.05	13	0.6	18.62	38.5	Pass
Band5	10	829	16QAM	1	LOW	21.63	27.48	5.85	13	0.6	20.08	38.5	Pass
Band5	10	829	16QAM	1	MID	21.24	27.24	6	13	0.6	19.69	38.5	Pass
Band5	10	829	16QAM	1	HIGH	21.26	27.36	6.1	13	0.6	19.71	38.5	Pass
Band5	10	836.5	QPSK	50	LOW	21.1	27.58	6.48	13	0.6	19.55	38.5	Pass
Band5	10	836.5	QPSK	25	LOW	21.13	27.21	6.08	13	0.6	19.58	38.5	Pass
Band5	10	836.5	QPSK	25	MID	21.14	27.42	6.28	13	0.6	19.59	38.5	Pass
Band5	10	836.5	QPSK	25	HIGH	21.31	27.72	6.41	13	0.6	19.76	38.5	Pass
Band5	10	836.5	QPSK	1	LOW	22.25	27.22	4.97	13	0.6	20.7	38.5	Pass
Band5	10	836.5	QPSK	1	MID	22.34	27.52	5.18	13	0.6	20.79	38.5	Pass
Band5	10	836.5	QPSK	1	HIGH	22.2	27.45	5.25	13	0.6	20.65	38.5	Pass
Band5	10	836.5	16QAM	50	LOW	20.56	27.87	7.31	13	0.6	19.01	38.5	Pass
Band5	10	836.5	16QAM	25	LOW	20.23	27.5	7.27	13	0.6	18.68	38.5	Pass
Band5	10	836.5	16QAM	25	MID	20.24	27.63	7.39	13	0.6	18.69	38.5	Pass
Band5	10	836.5	16QAM	25	HIGH	20.54	27.98	7.44	13	0.6	18.99	38.5	Pass
Band5	10	836.5	16QAM	1	LOW	21.12	26.7	5.58	13	0.6	19.57	38.5	Pass
Band5	10	836.5	16QAM	1	MID	21.39	26.31	4.92	13	0.6	19.84	38.5	Pass
Band5	10	836.5	16QAM	1	HIGH	21.34	26.97	5.63	13	0.6	19.79	38.5	Pass
Band5	10	844	QPSK	50	LOW	20.9	27.05	6.15	13	0.6	19.35	38.5	Pass
Band5	10	844	QPSK	25	LOW	20.93	27.71	6.78	13	0.6	19.38	38.5	Pass
Band5	10	844	QPSK	25	MID	20.93	27.74	6.81	13	0.6	19.38	38.5	Pass
Band5	10	844	QPSK	25	HIGH	21	27.43	6.43	13	0.6	19.45	38.5	Pass
Band5	10	844	QPSK	1	LOW	22.16	27.32	5.16	13	0.6	20.61	38.5	Pass
Band5	10	844	QPSK	1	MID	22.08	27.01	4.93	13	0.6	20.53	38.5	Pass
Band5	10	844	QPSK	1	HIGH	21.98	26.66	4.68	13	0.6	20.43	38.5	Pass
Band5	10	844	16QAM	50	LOW	20.3	27.72	7.42	13	0.6	18.75	38.5	Pass
Band5	10	844	16QAM	25	LOW	20.5	27.6	7.1	13	0.6	18.95	38.5	Pass
Band5	10	844	16QAM	25	MID	20.5	27.59	7.09	13	0.6	18.95	38.5	Pass
Band5	10	844	16QAM	25	HIGH	20.33	27.11	6.78	13	0.6	18.78	38.5	Pass
Band5	10	844	16QAM	1	LOW	21.04	26.29	5.25	13	0.6	19.49	38.5	Pass
Band5	10	844	16QAM	1	MID	20.76	25.93	5.17	13	0.6	19.21	38.5	Pass
Band5	10	844	16QAM	1	HIGH	20.81	25.78	4.97	13	0.6	19.26	38.5	Pass