RF Test Data for LTE (Conducted Measurement)

Product Name: Mobile Phone

Trade Mark: TG

Test Model: TGMovil

FCC ID: 2BA86TGMOVIL

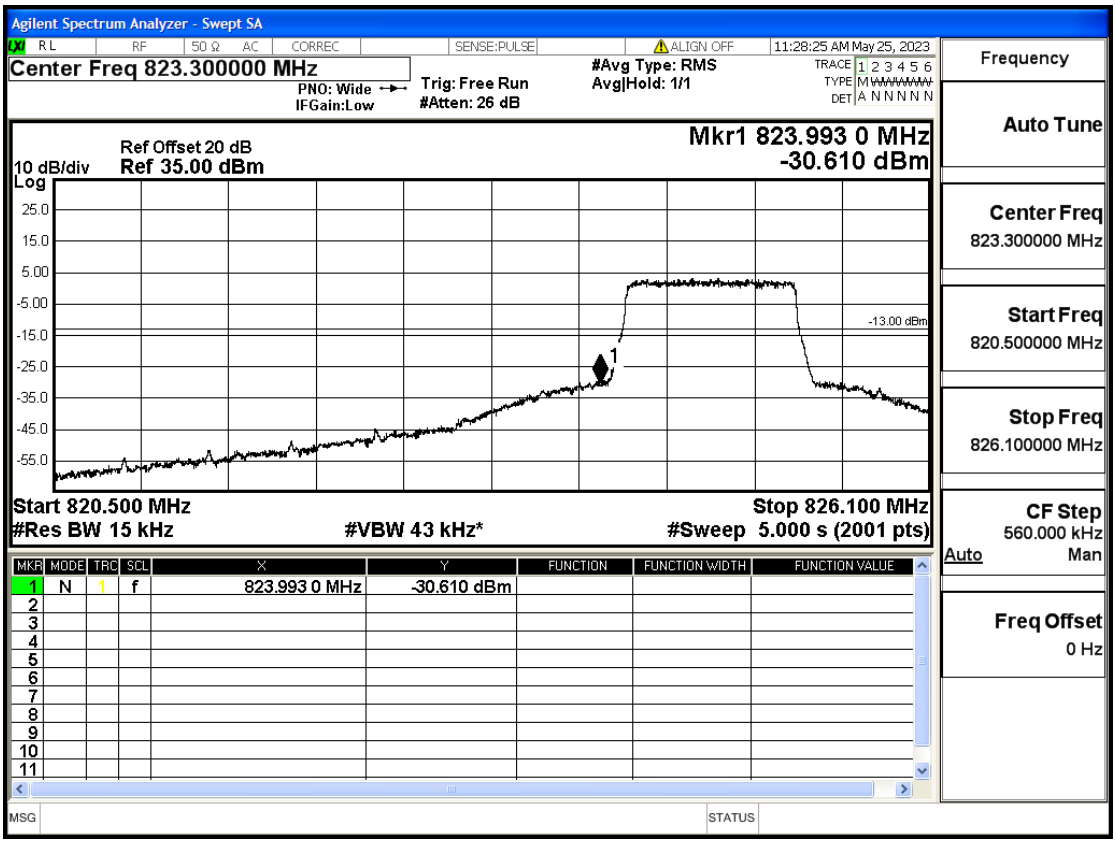
Environmental Conditions

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

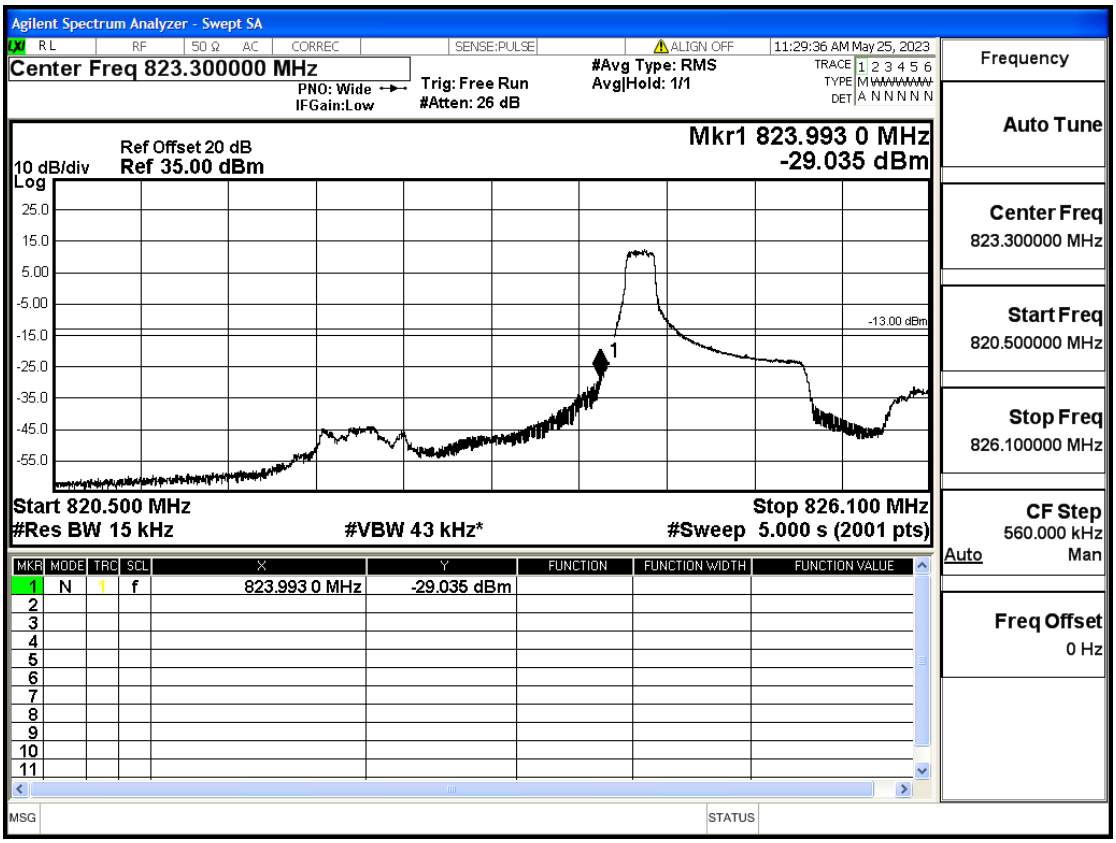
Band Edge and Emission Mask

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

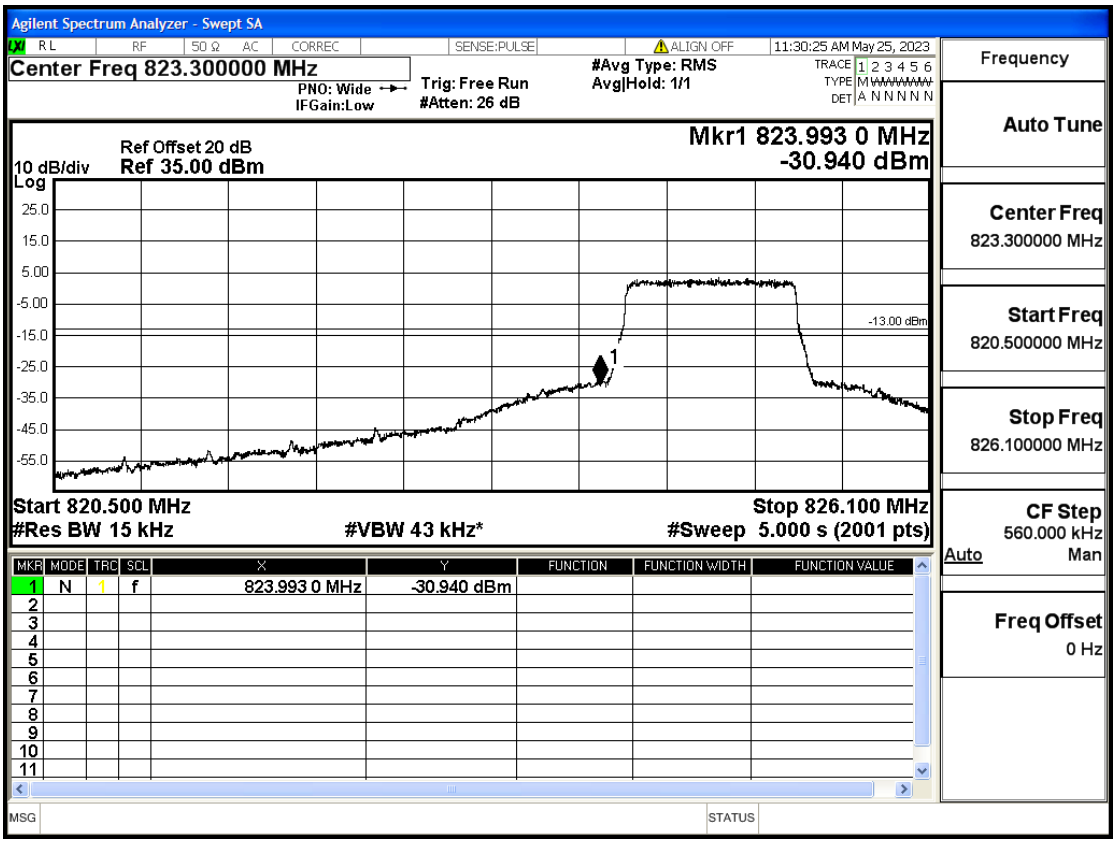
Band5-1.4-824.7-QPSK-6#LOW@Pass



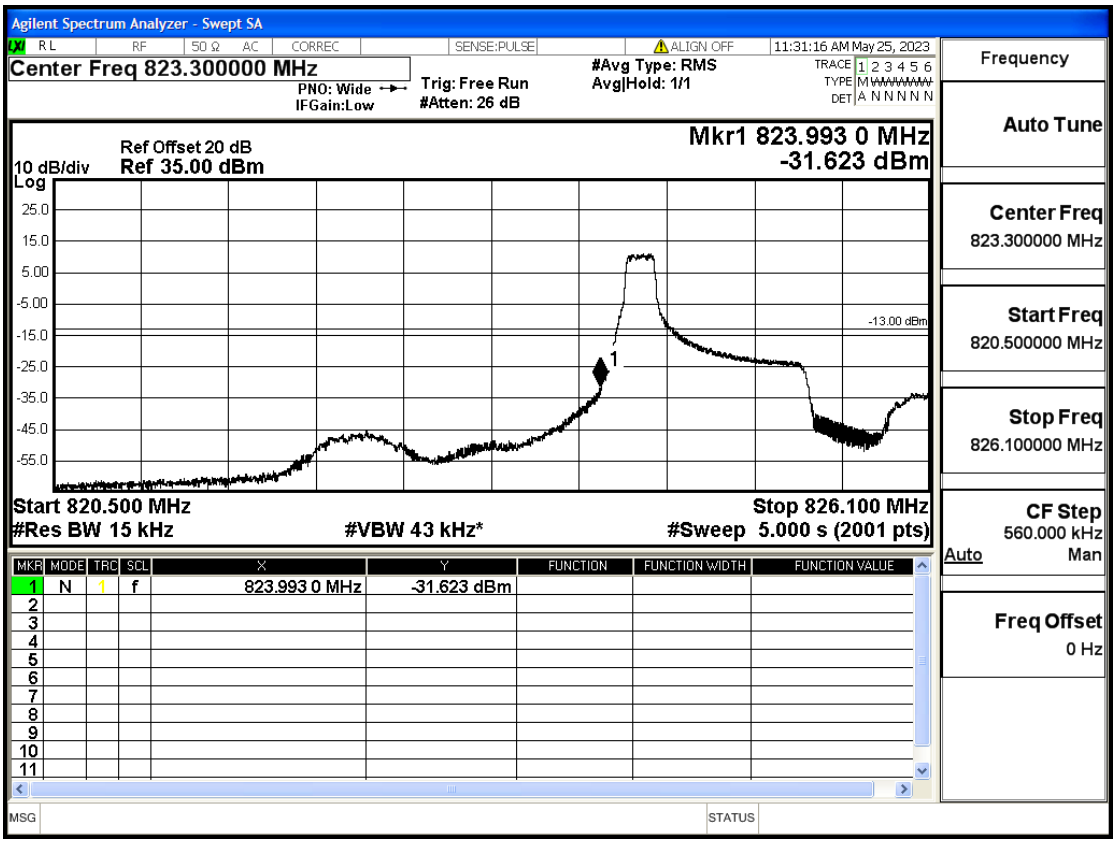
Band5-1.4-824.7-QPSK-1#LOW@Pass



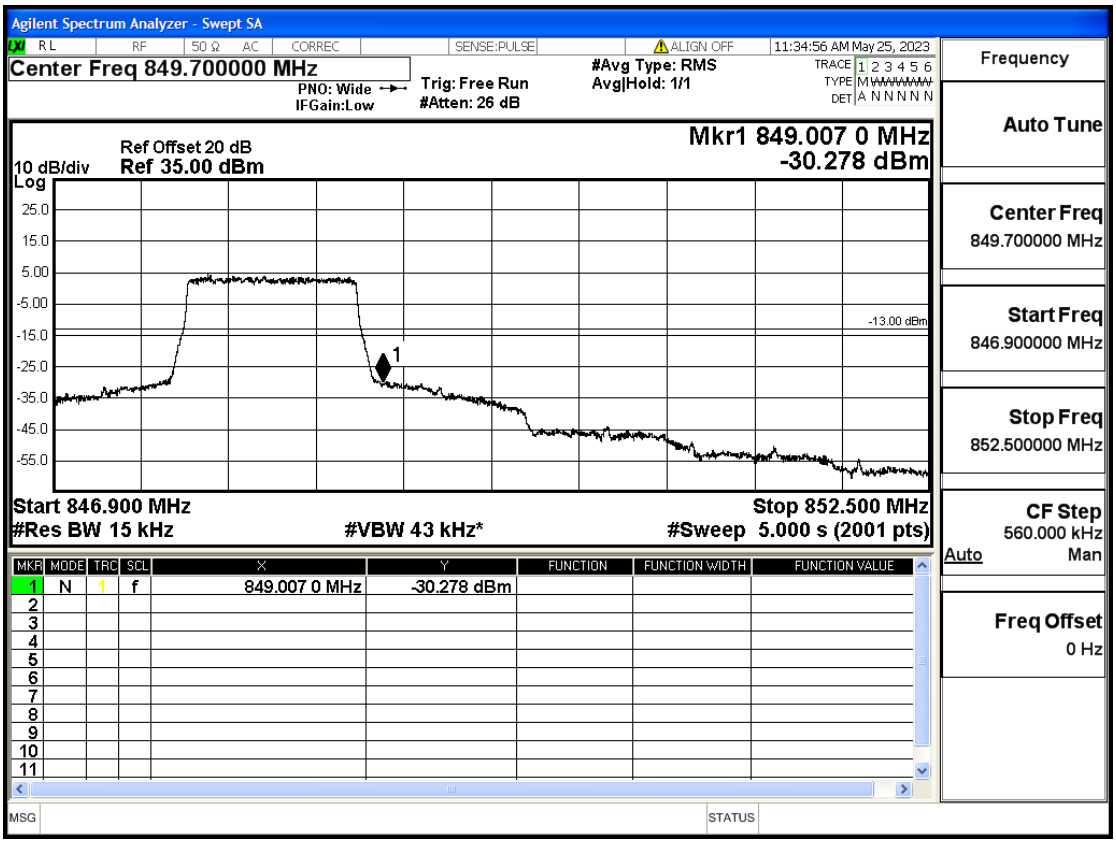
Band5-1.4-824.7-16QAM-6#LOW@Pass



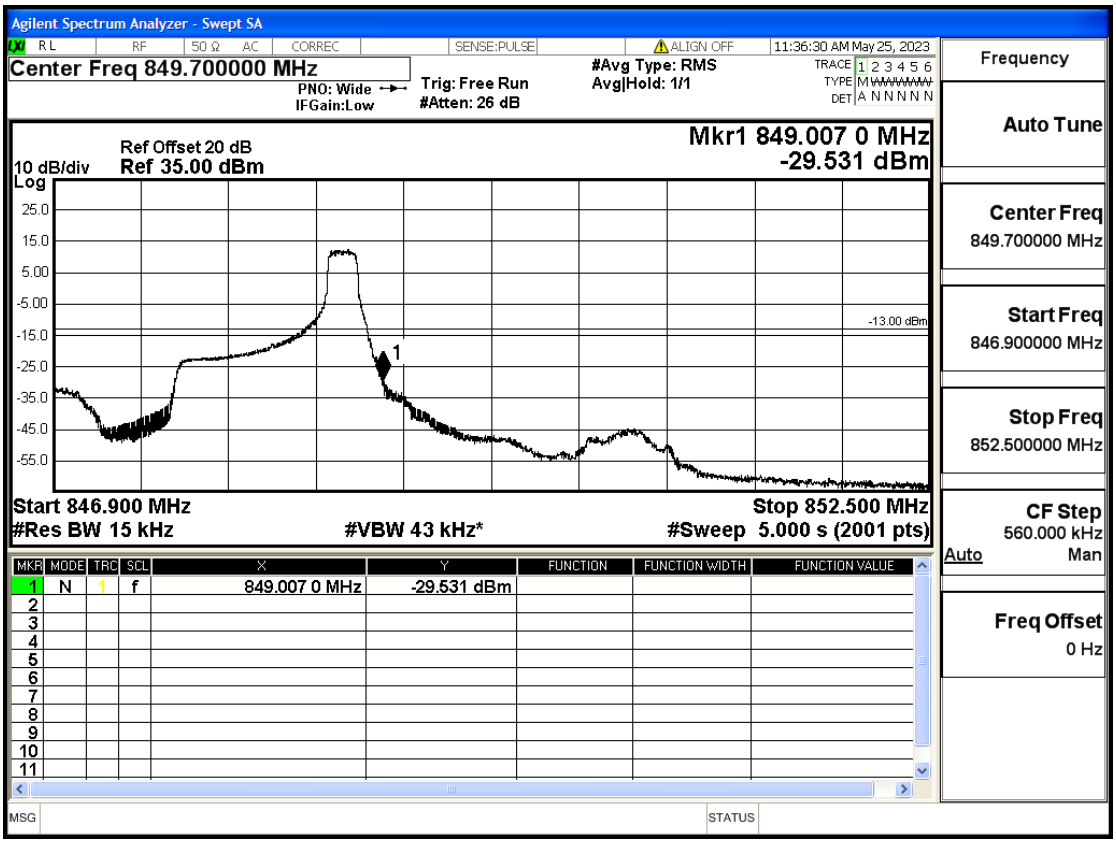
Band5-1.4-824.7-16QAM-1#LOW@Pass



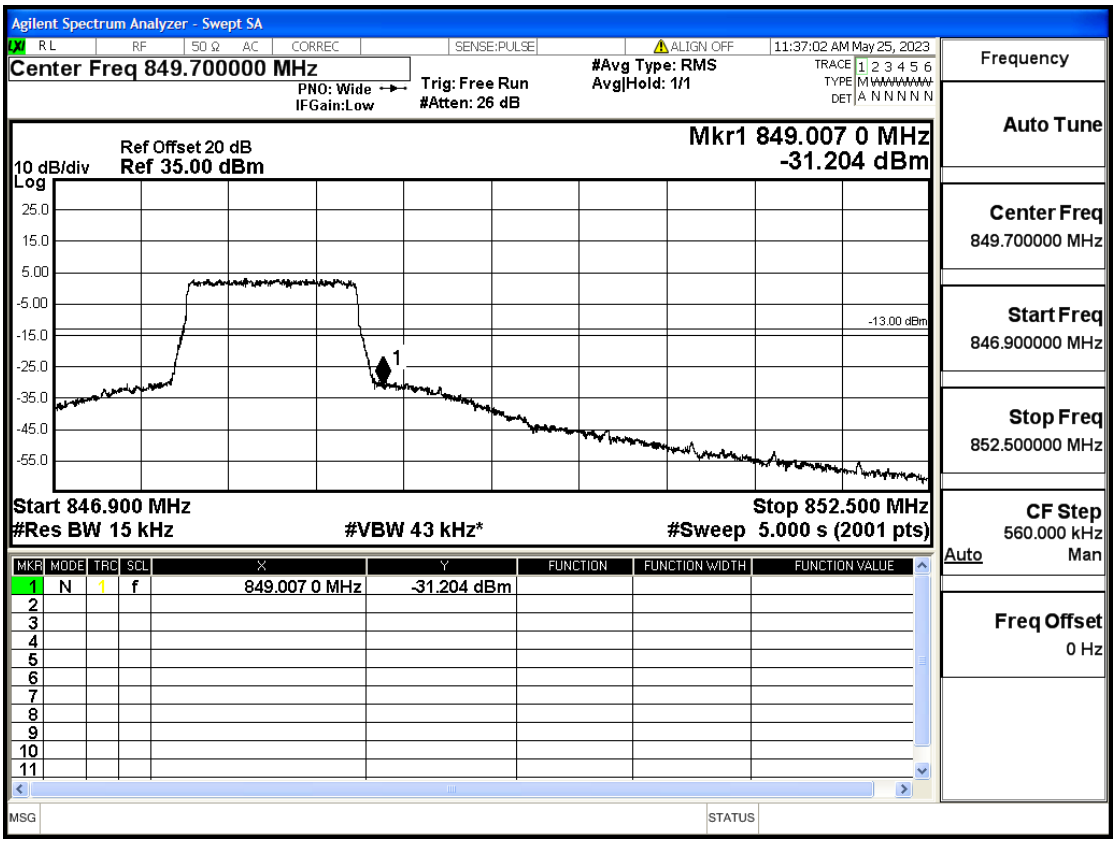
Band5-1.4-848.3-QPSK-6#LOW@Pass



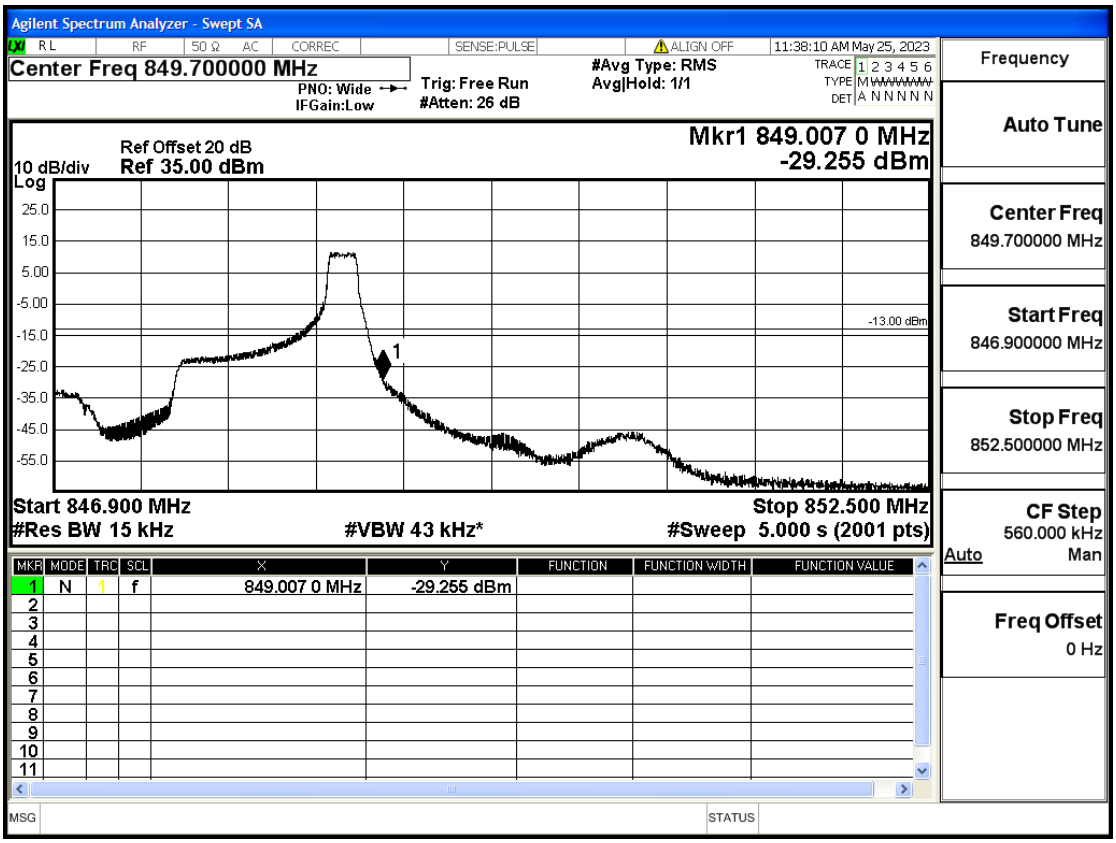
Band5-1.4-848.3-QPSK-1#HIGH@Pass



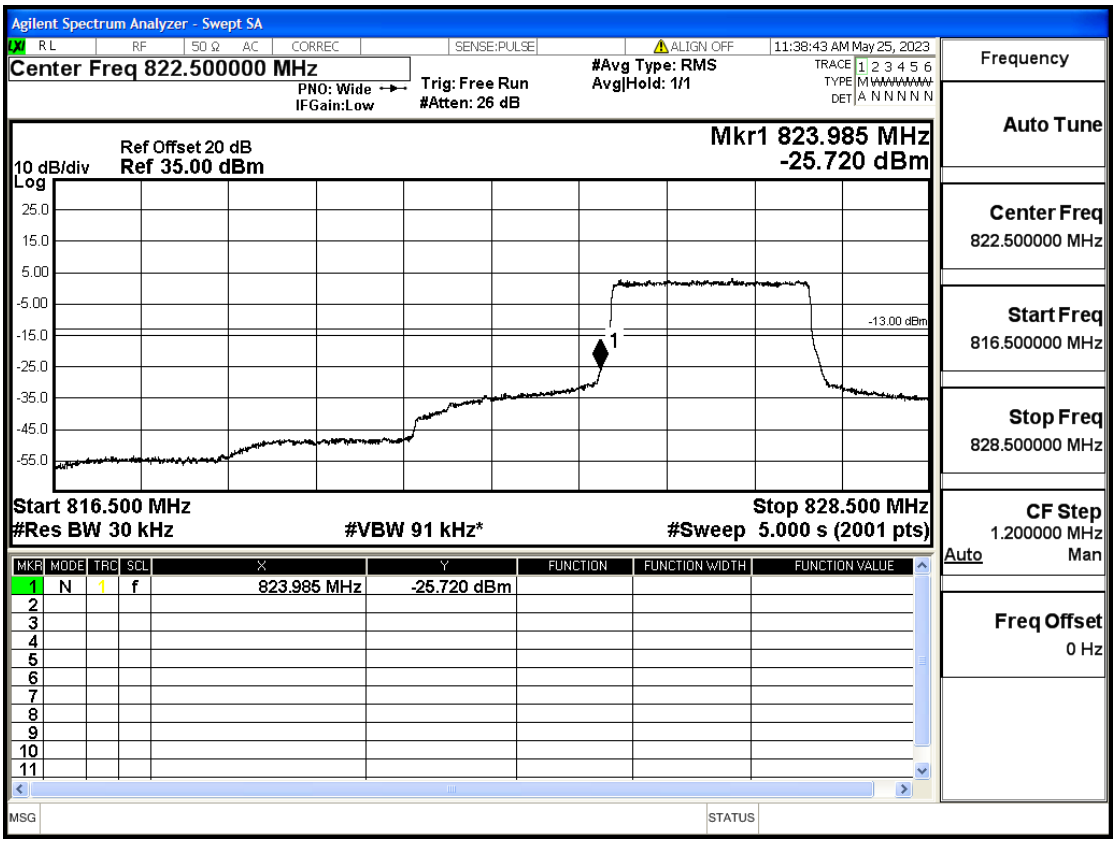
Band5-1.4-848.3-16QAM-6#LOW@Pass



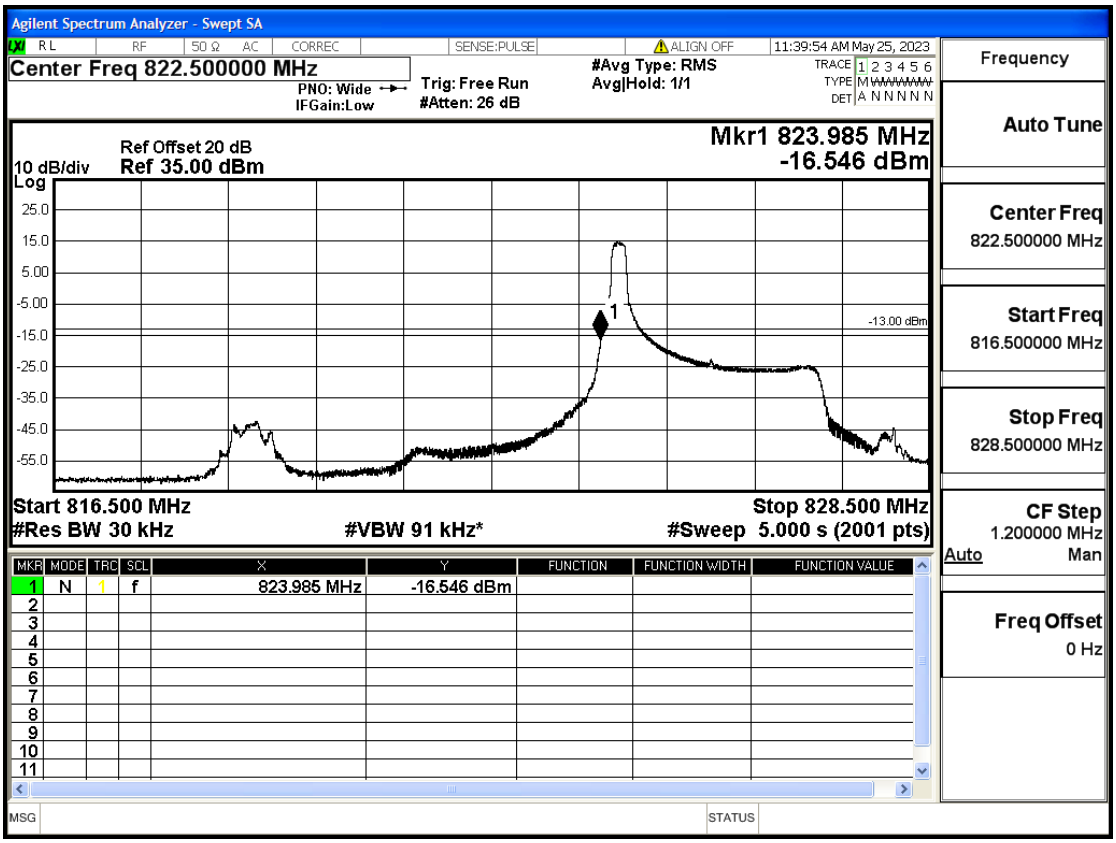
Band5-1.4-848.3-16QAM-1#HIGH@Pass



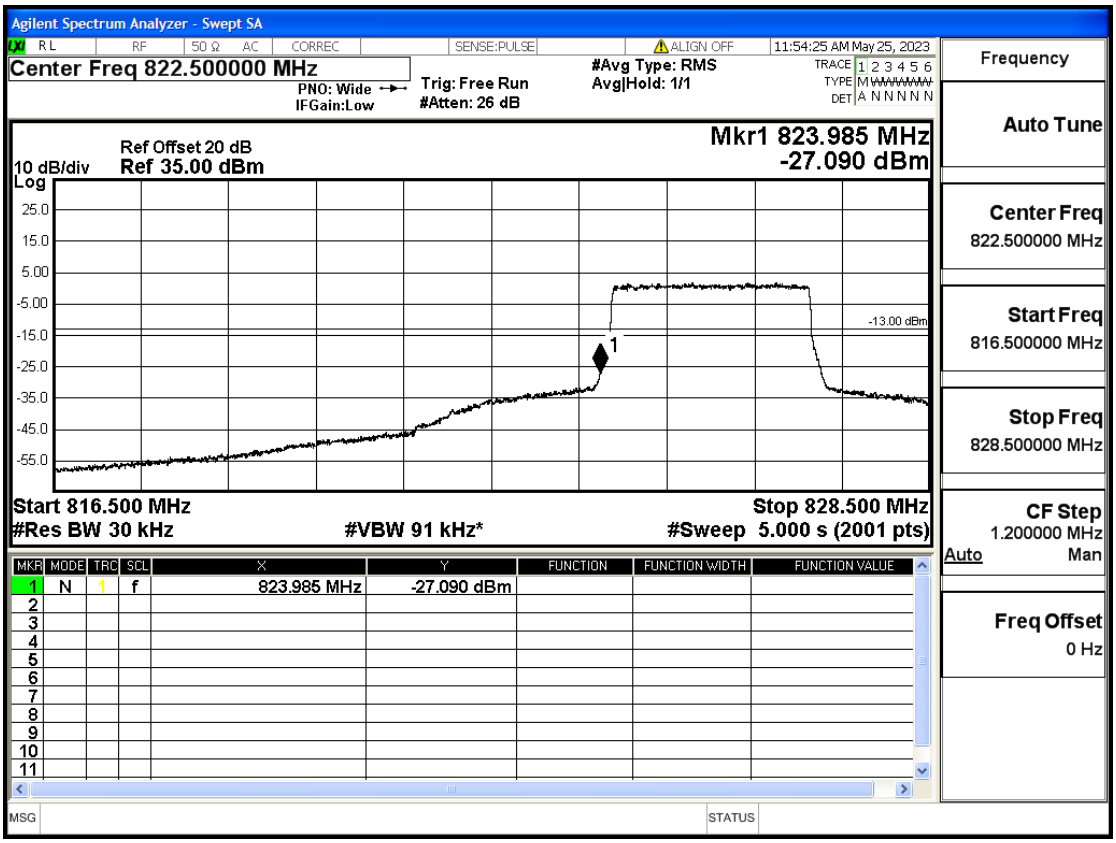
Band5-3-825.5-QPSK-15#LOW@Pass



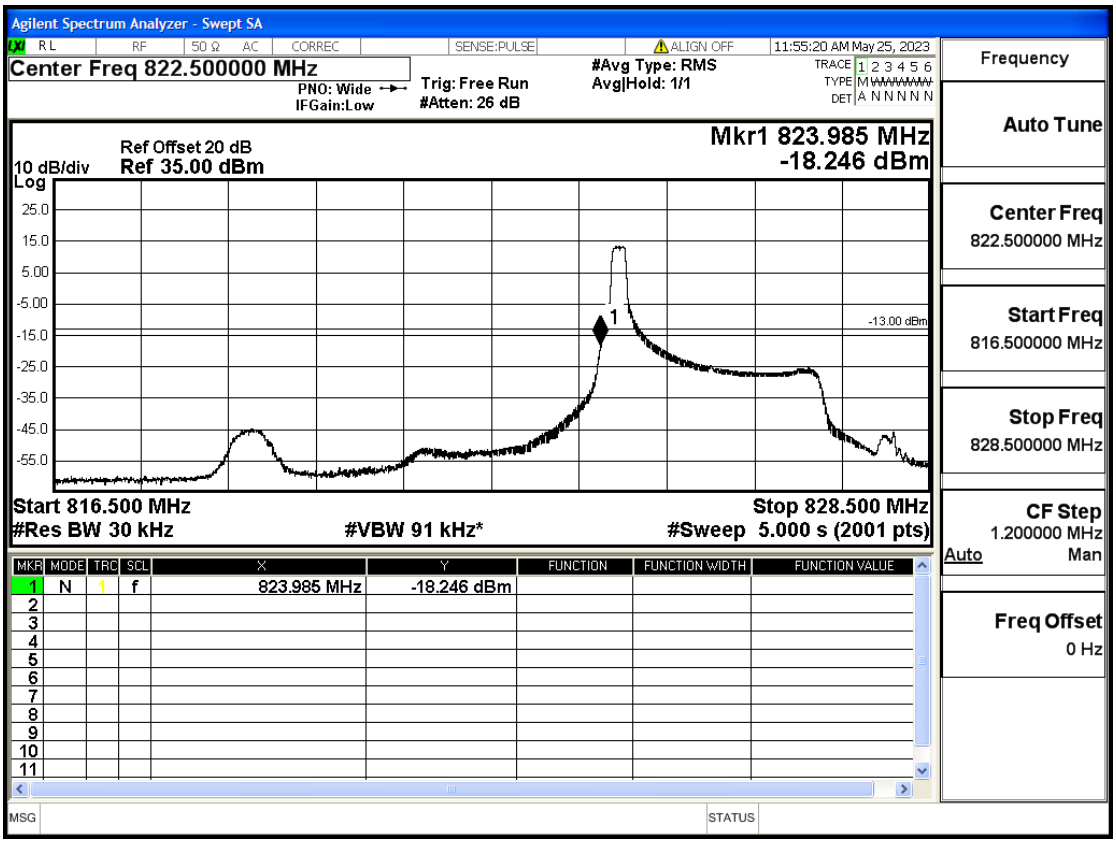
Band5-3-825.5-QPSK-1#LOW@Pass



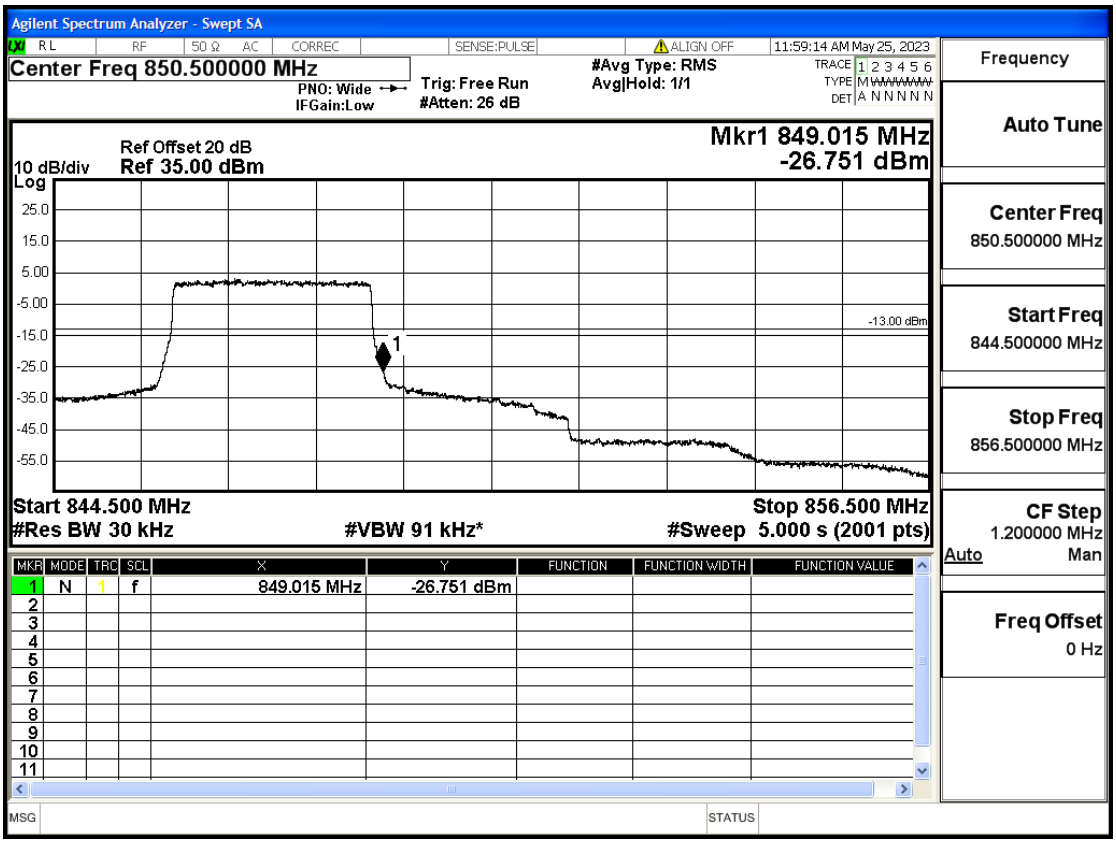
Band5-3-825.5-16QAM-15#LOW@Pass



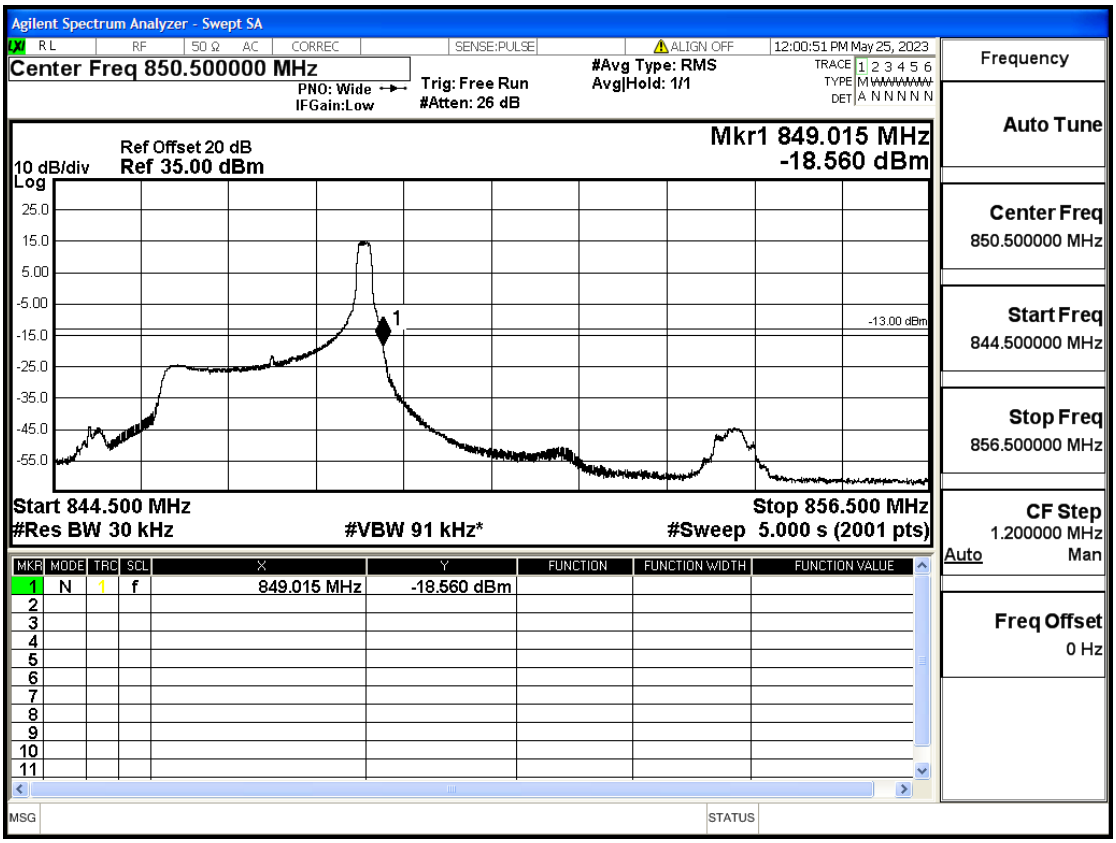
Band5-3-825.5-16QAM-1#LOW@Pass



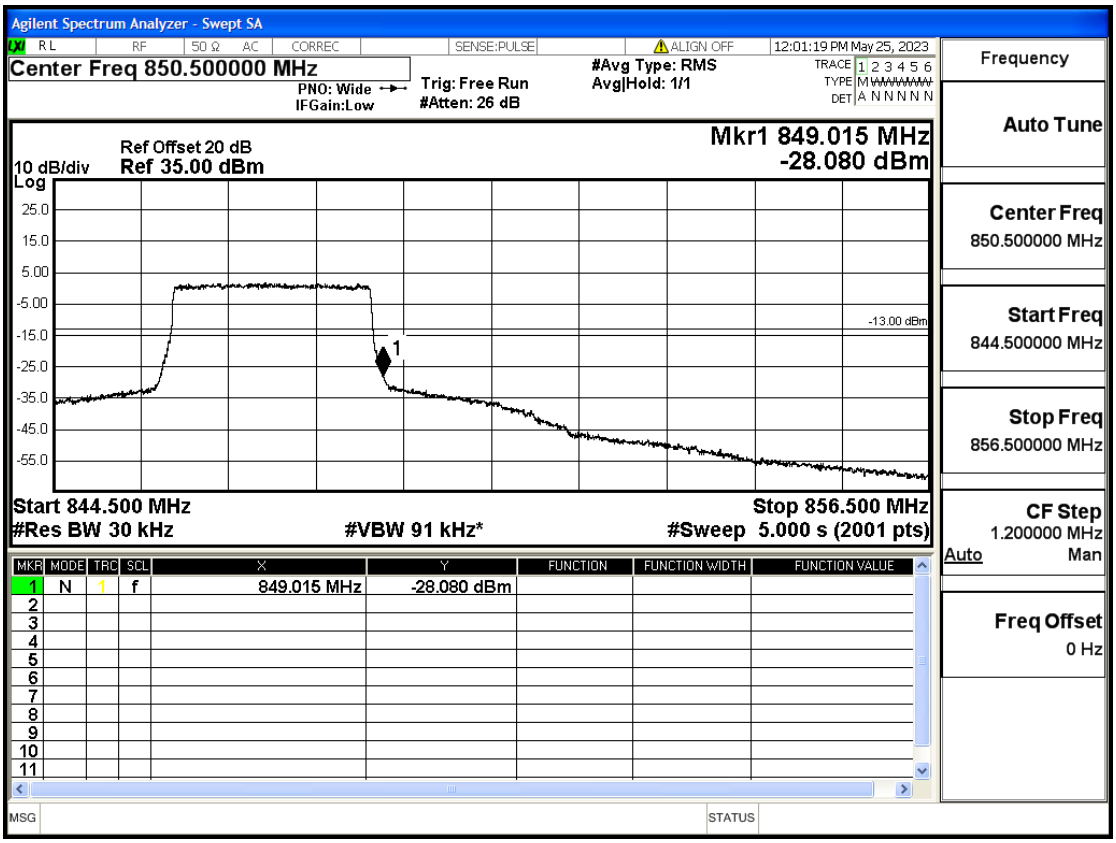
Band5-3-847.5-QPSK-15#LOW@Pass



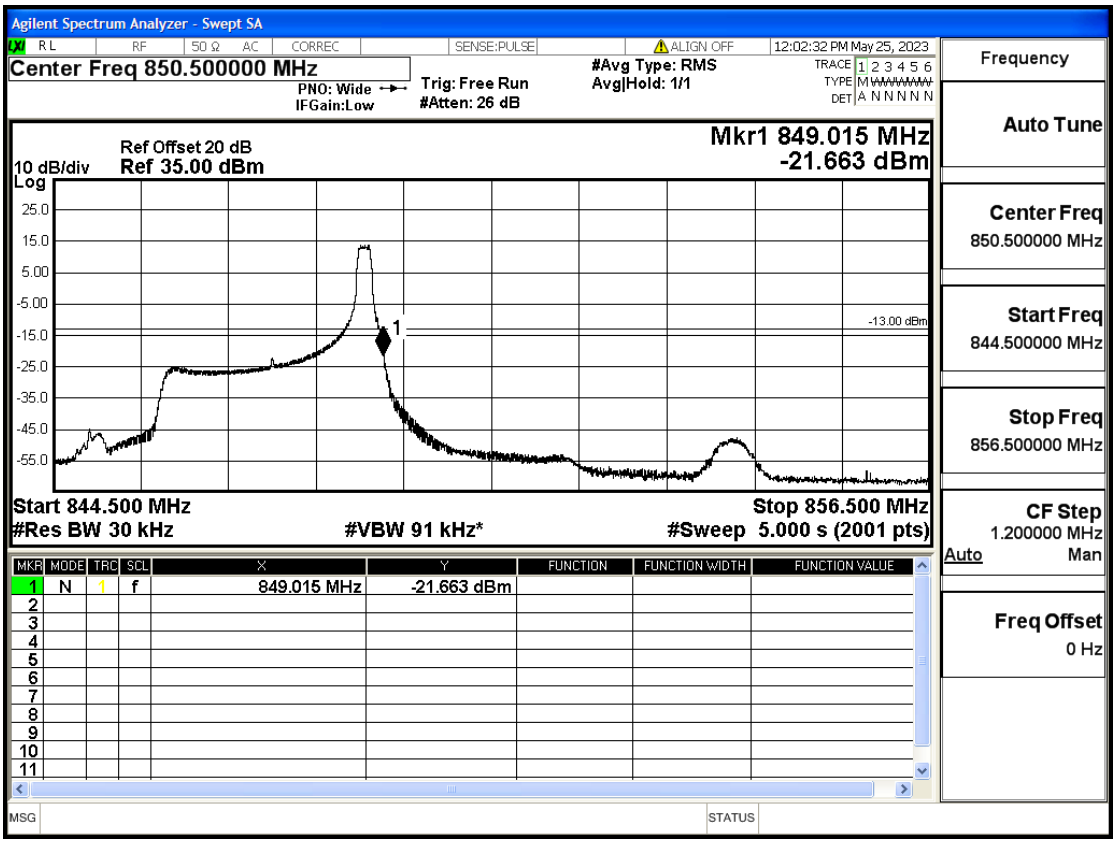
Band5-3-847.5-QPSK-1#HIGH@Pass



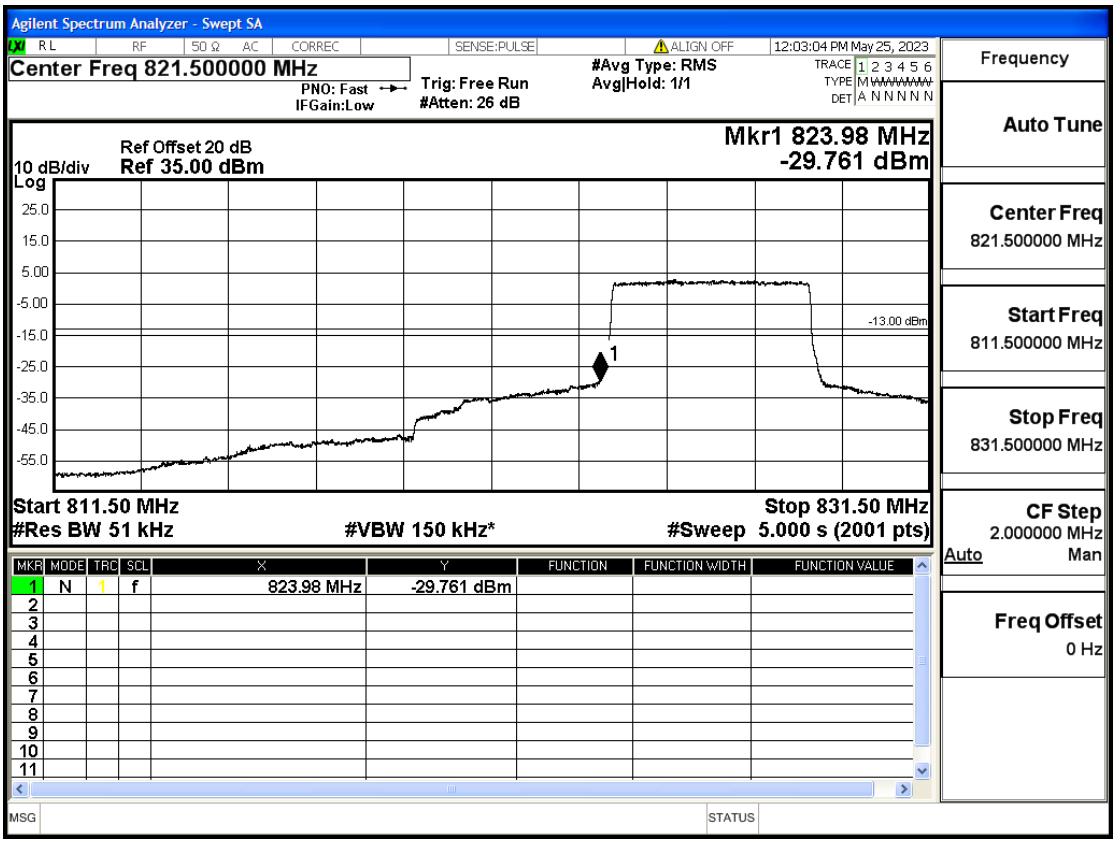
Band5-3-847.5-16QAM-15#LOW@Pass



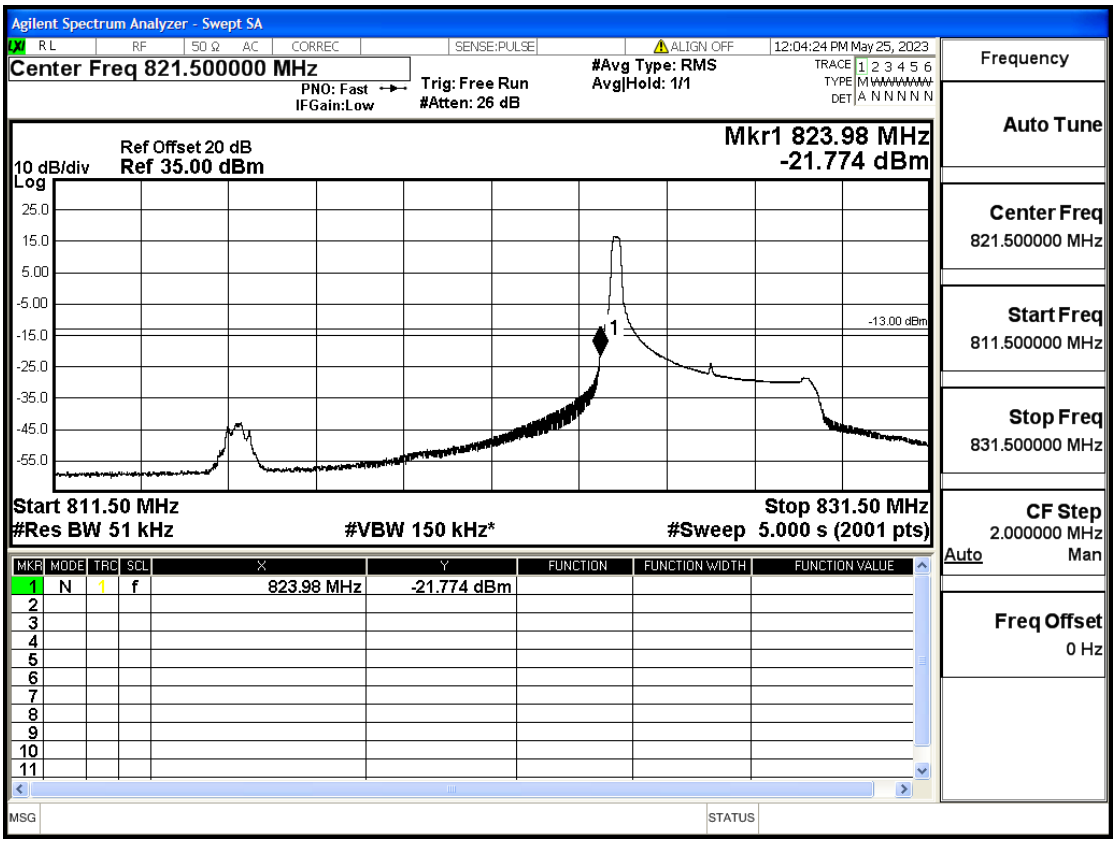
Band5-3-847.5-16QAM-1#HIGH@Pass



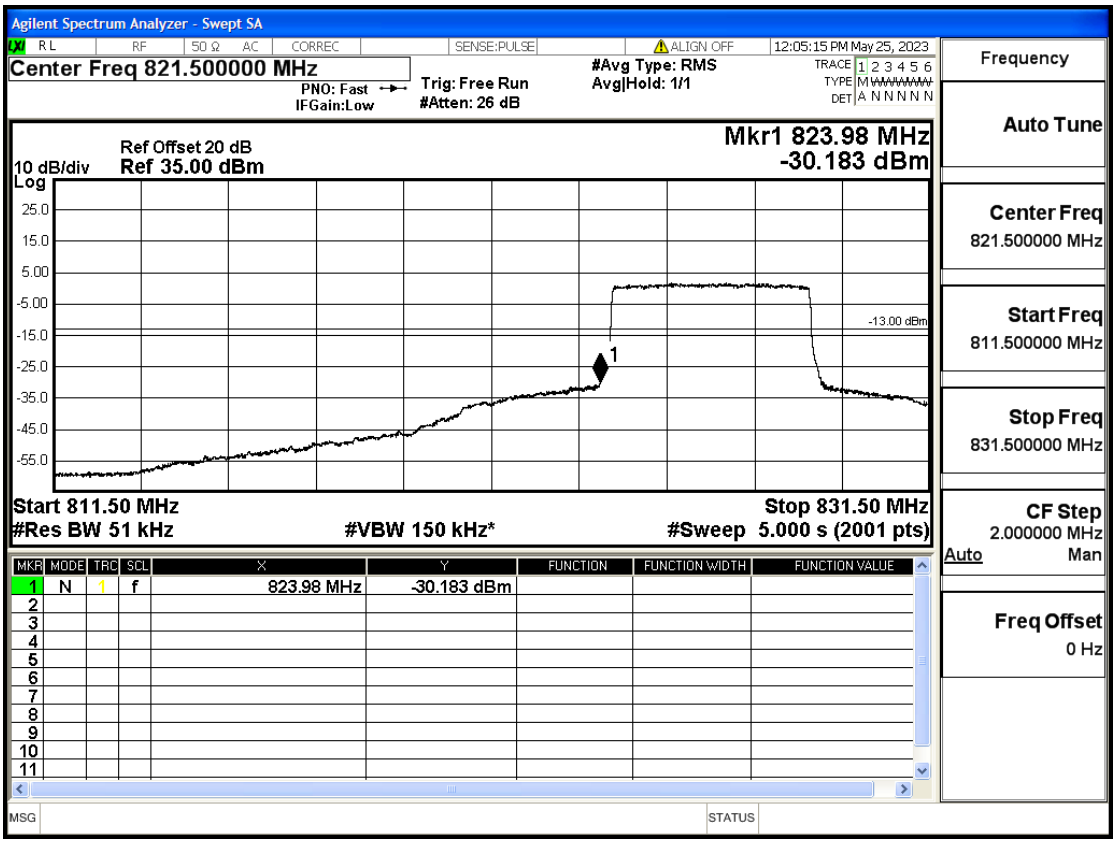
Band5-5-826.5-QPSK-25#LOW@Pass



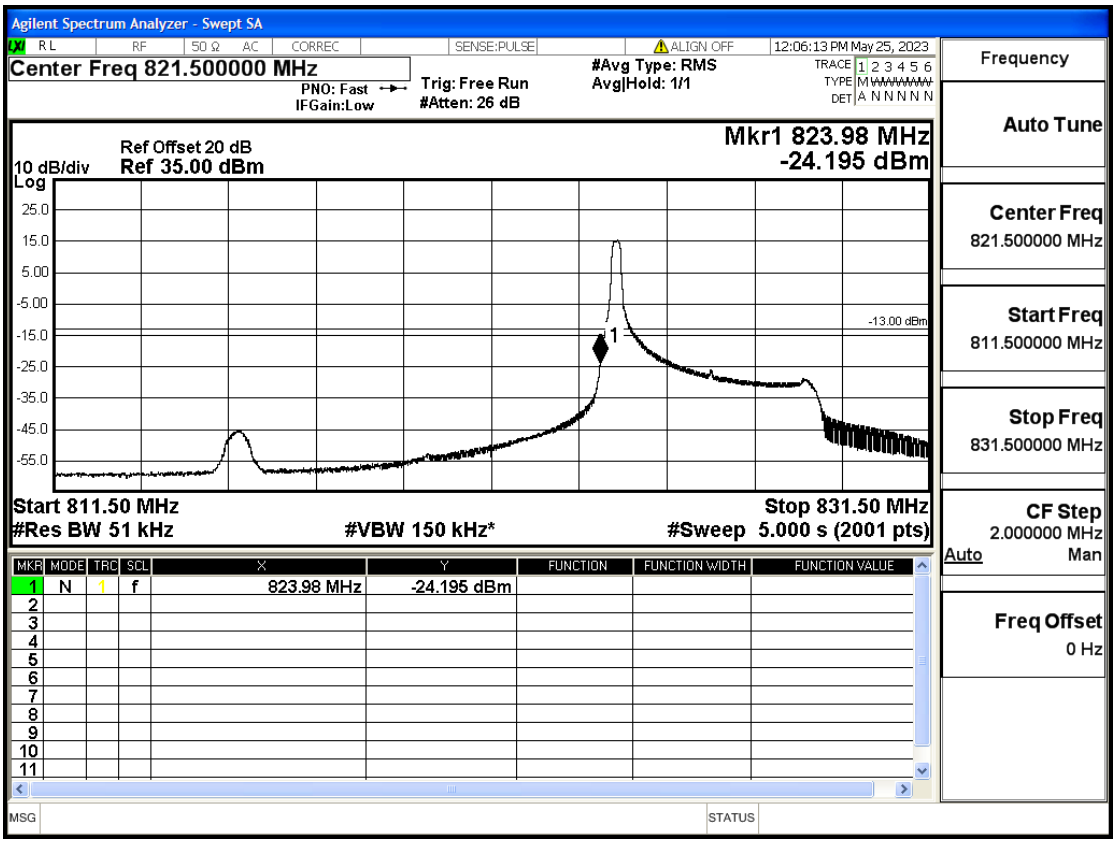
Band5-5-826.5-QPSK-1#LOW@Pass



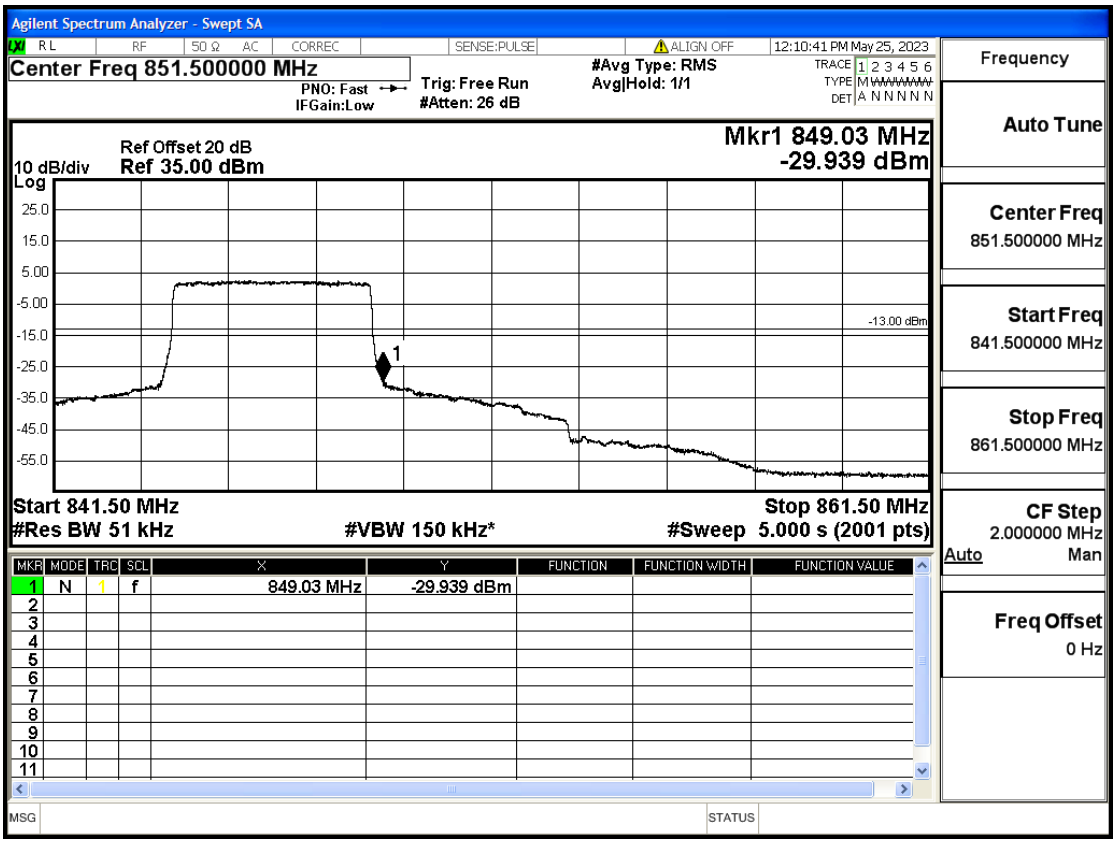
Band5-5-826.5-16QAM-25#LOW@Pass



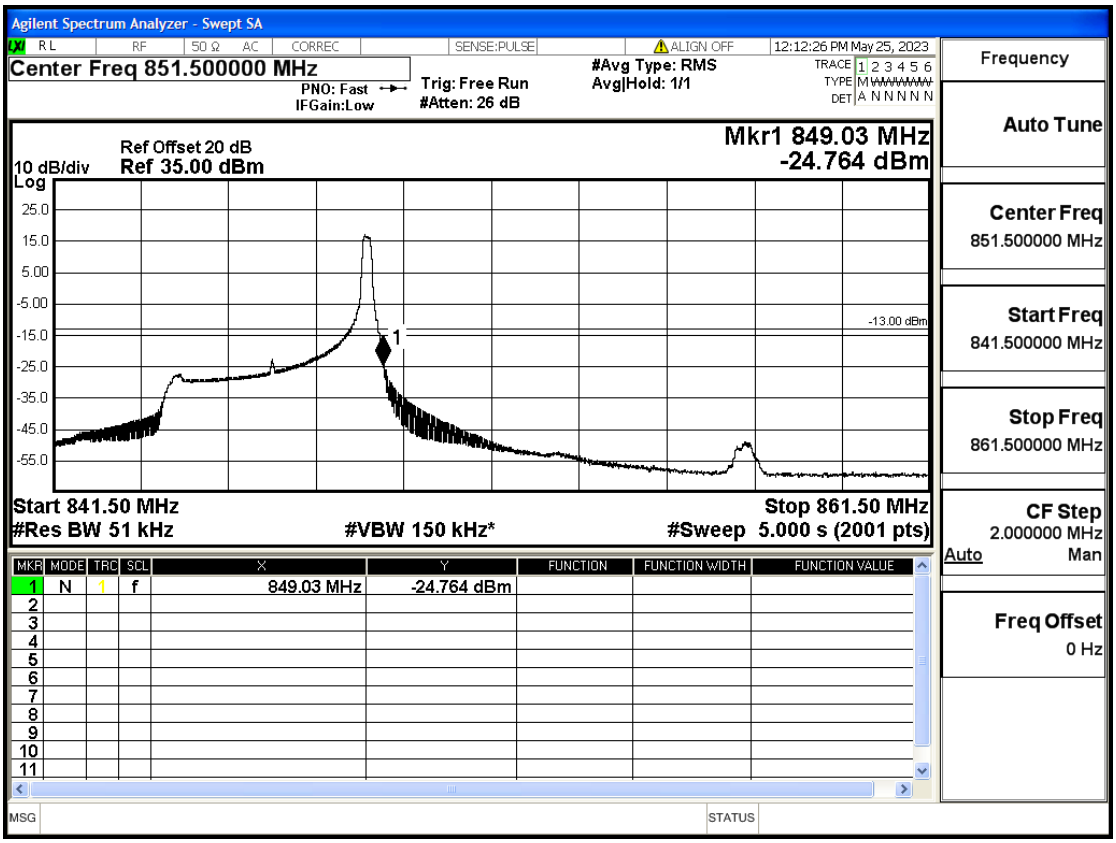
Band5-5-826.5-16QAM-1#LOW@Pass



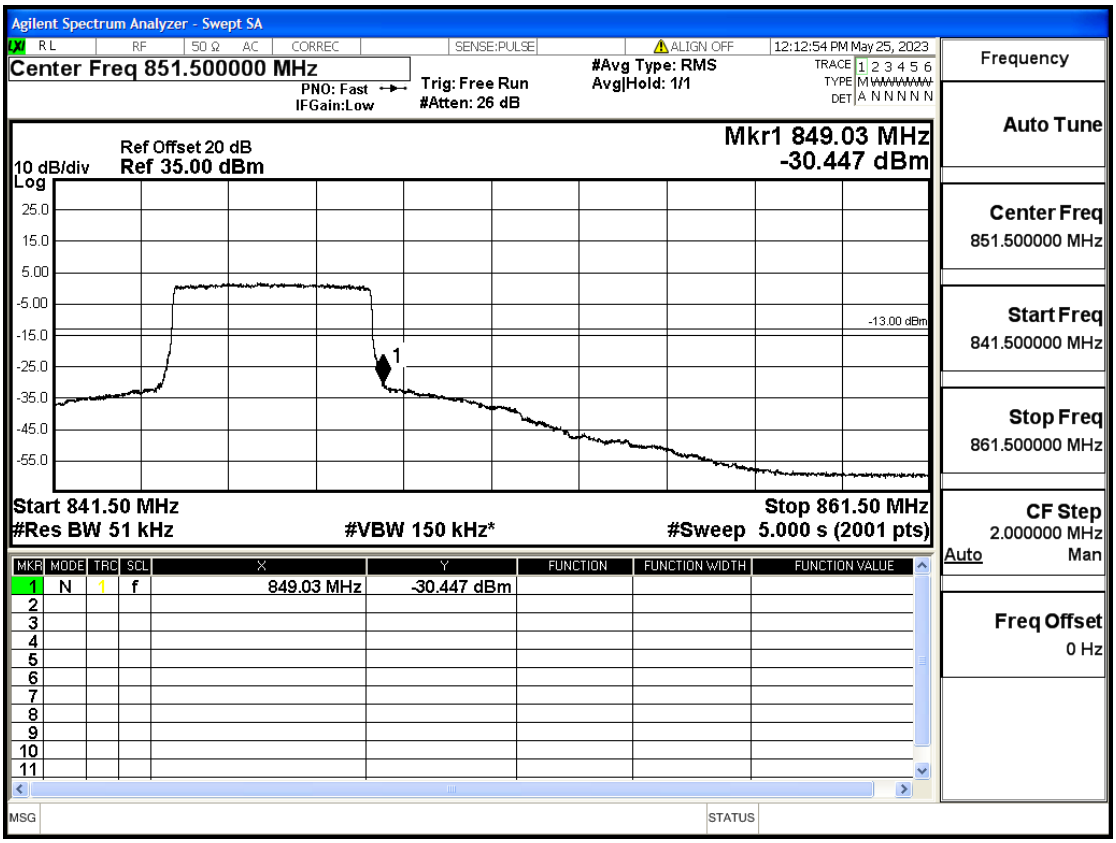
Band5-5-846.5-QPSK-25#LOW@Pass



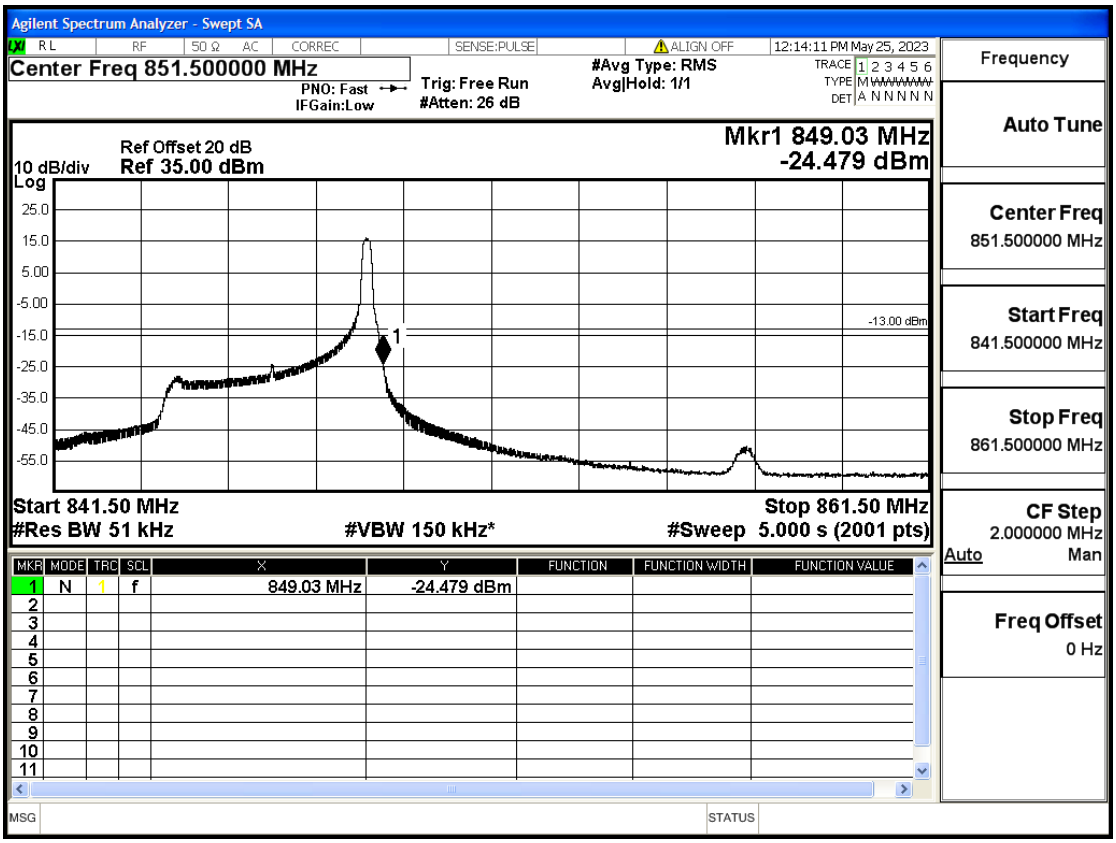
Band5-5-846.5-QPSK-1#HIGH@Pass



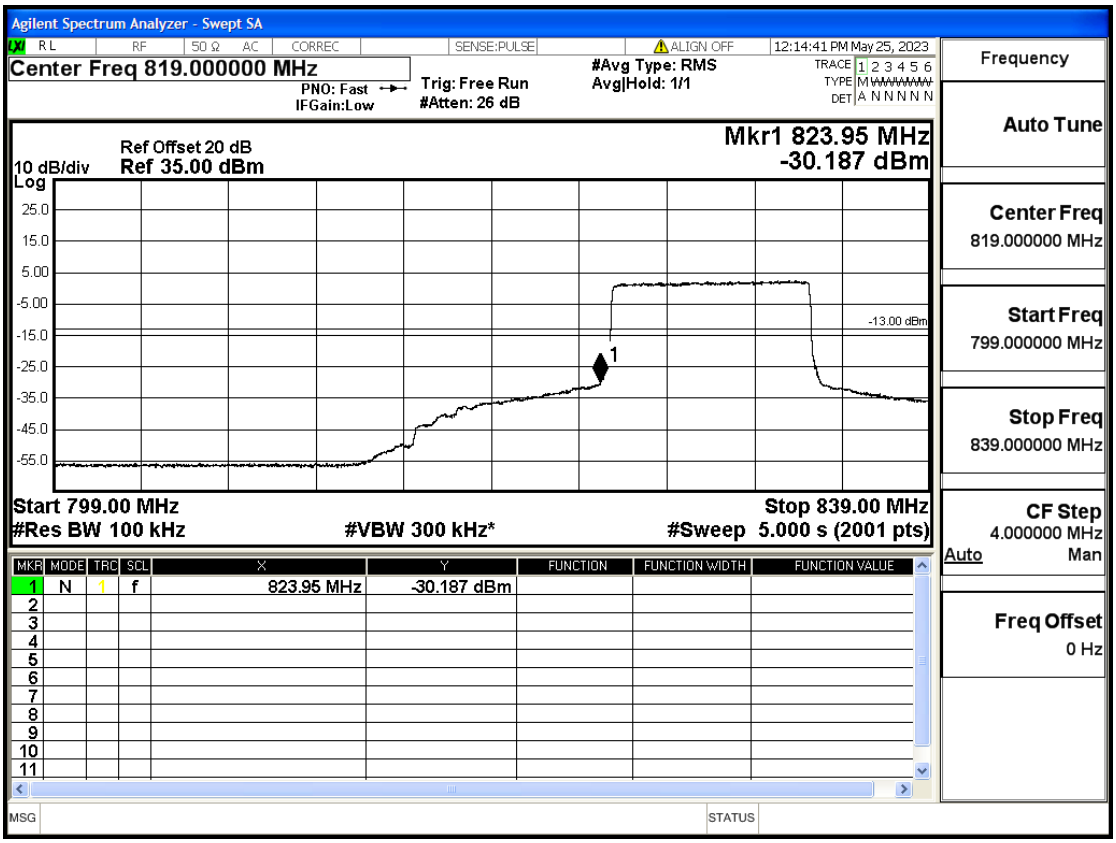
Band5-5-846.5-16QAM-25#LOW@Pass



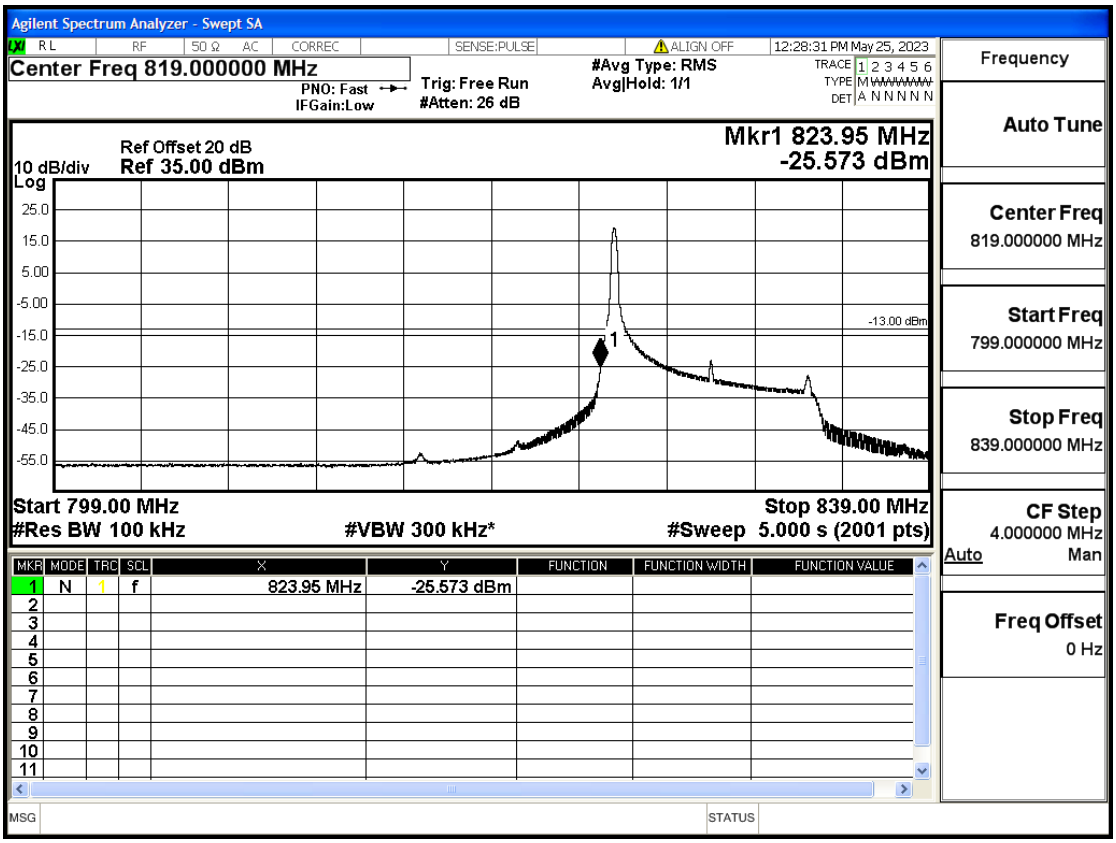
Band5-5-846.5-16QAM-1#HIGH@Pass



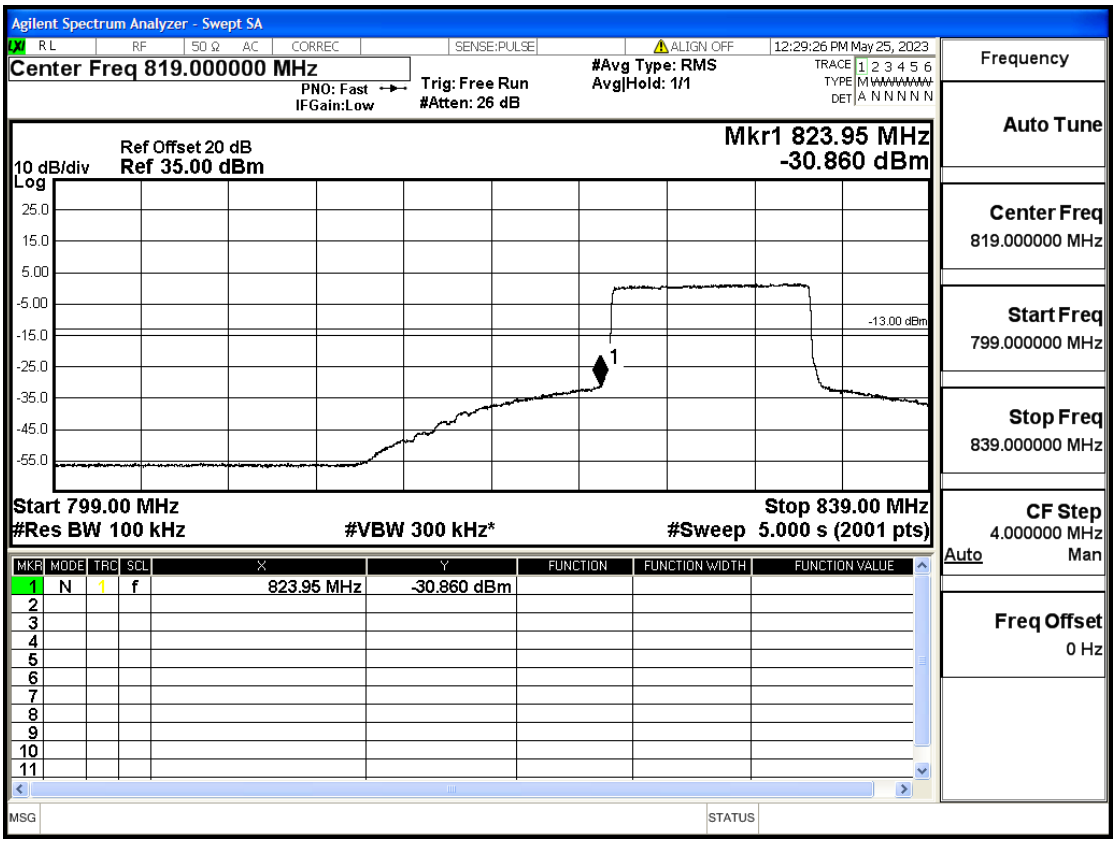
Band5-10-829-QPSK-50#LOW@Pass



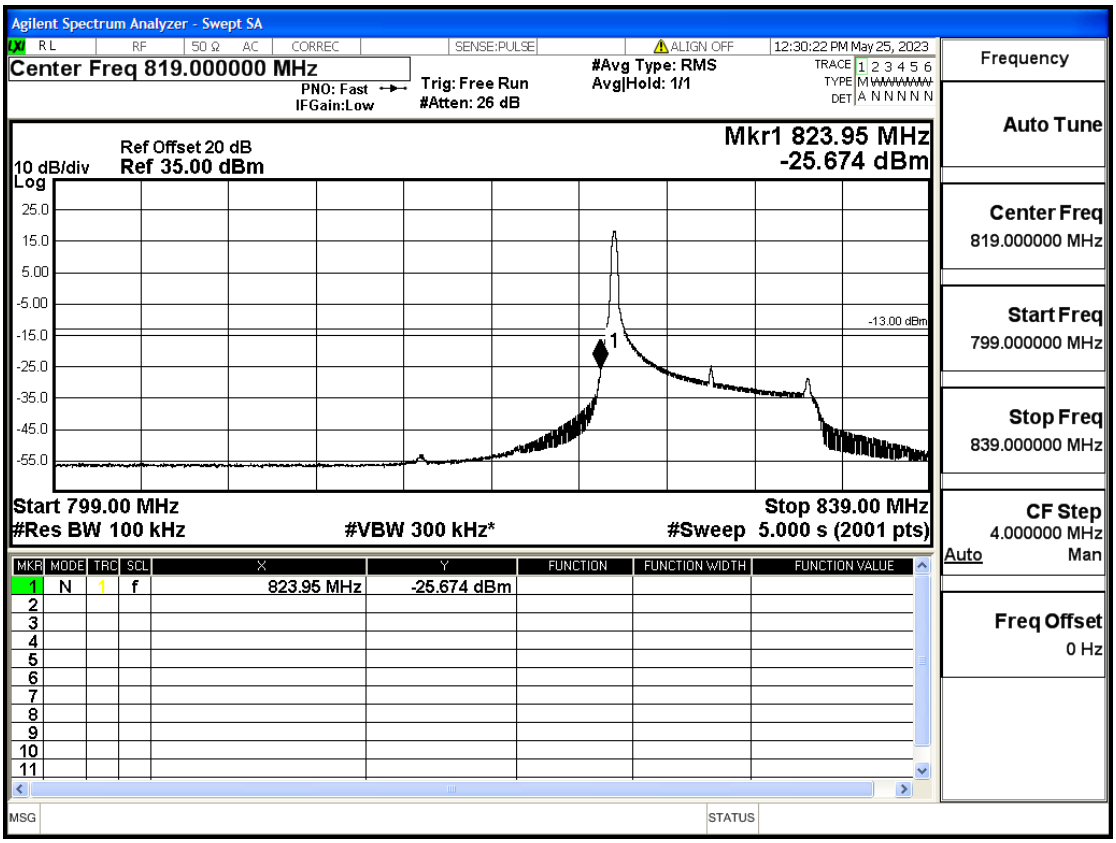
Band5-10-829-QPSK-1#LOW@Pass



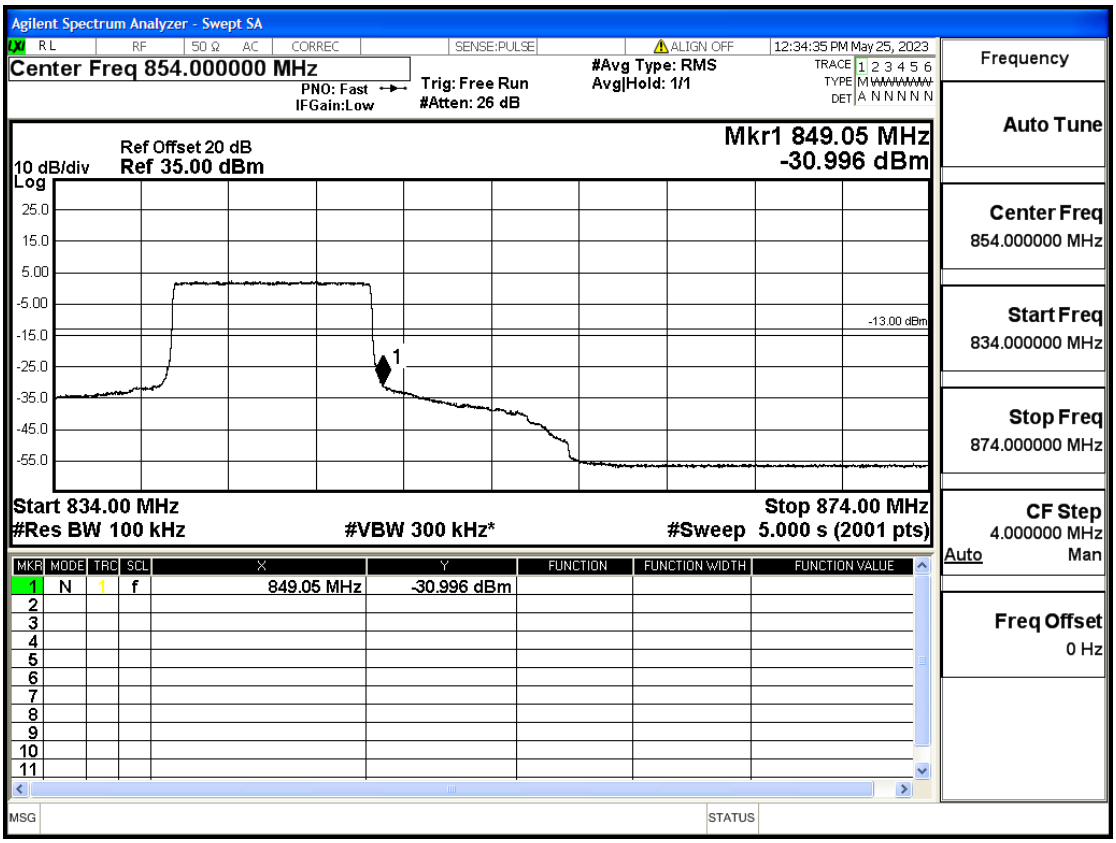
Band5-10-829-16QAM-50#LOW@Pass



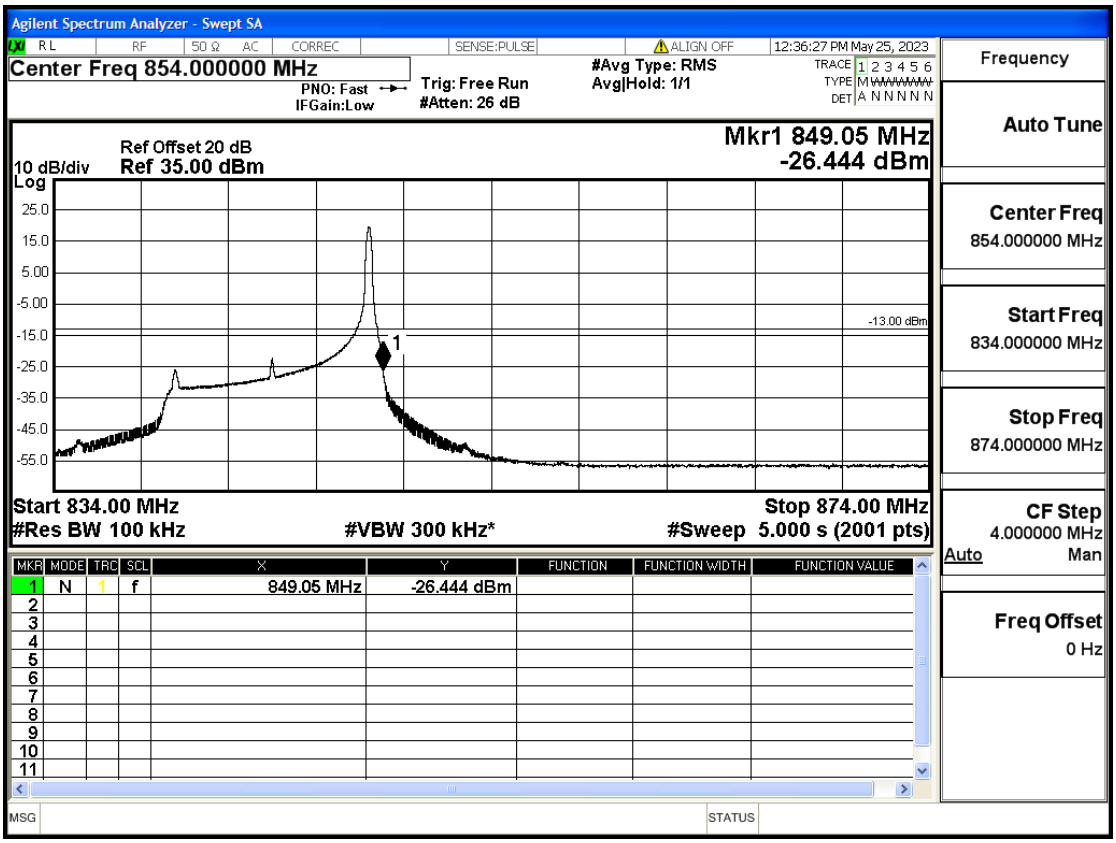
Band5-10-829-16QAM-1#LOW@Pass



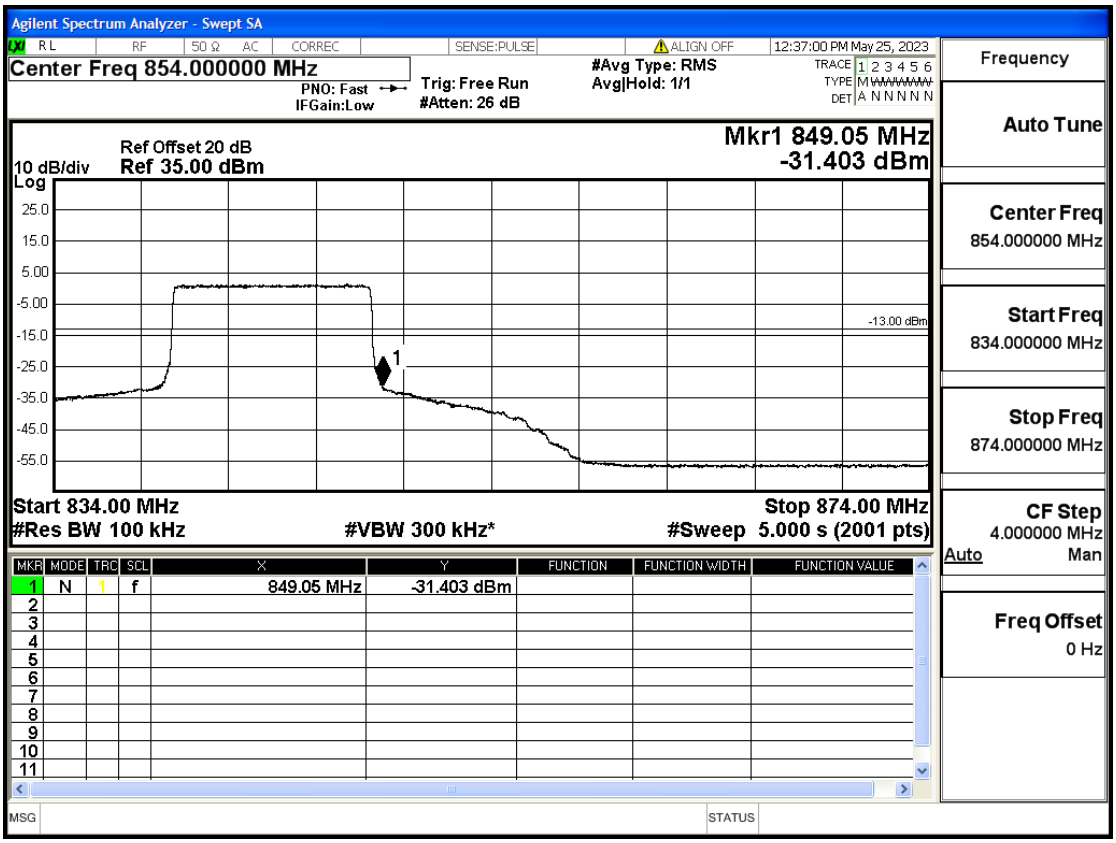
Band5-10-844-QPSK-50#LOW@Pass



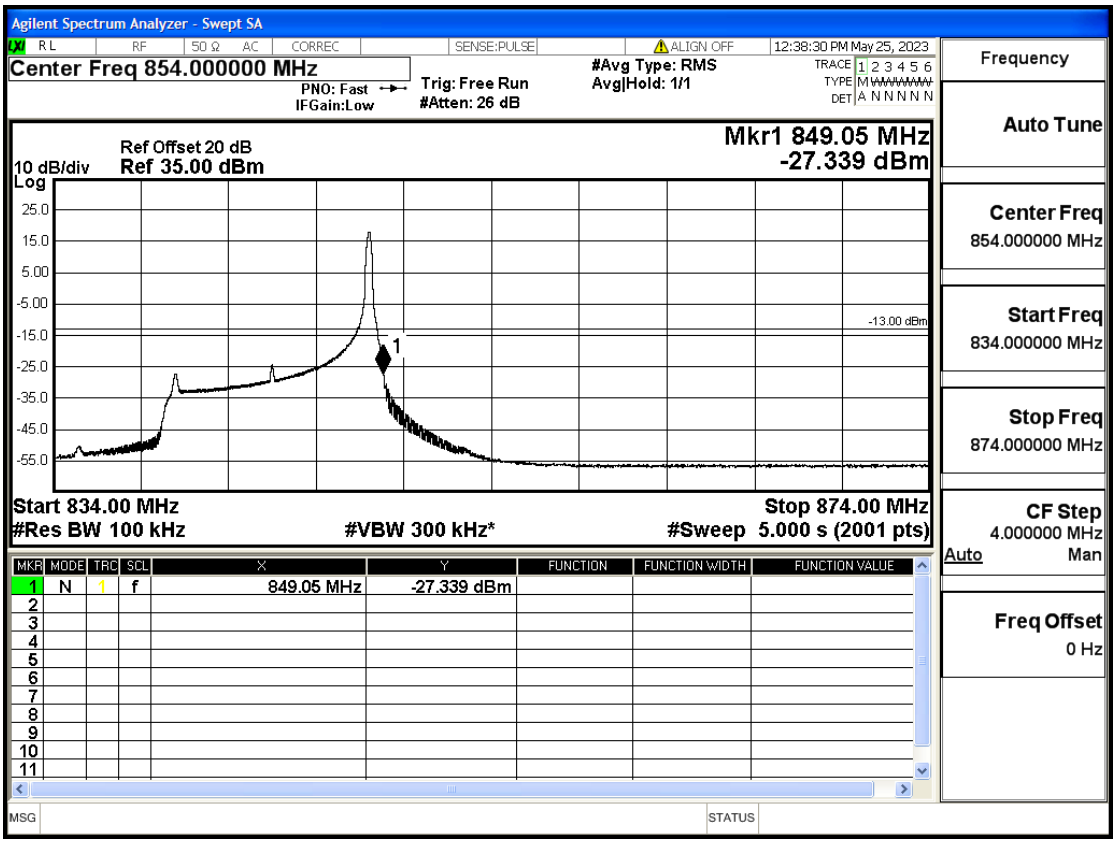
Band5-10-844-QPSK-1#HIGH@Pass



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



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

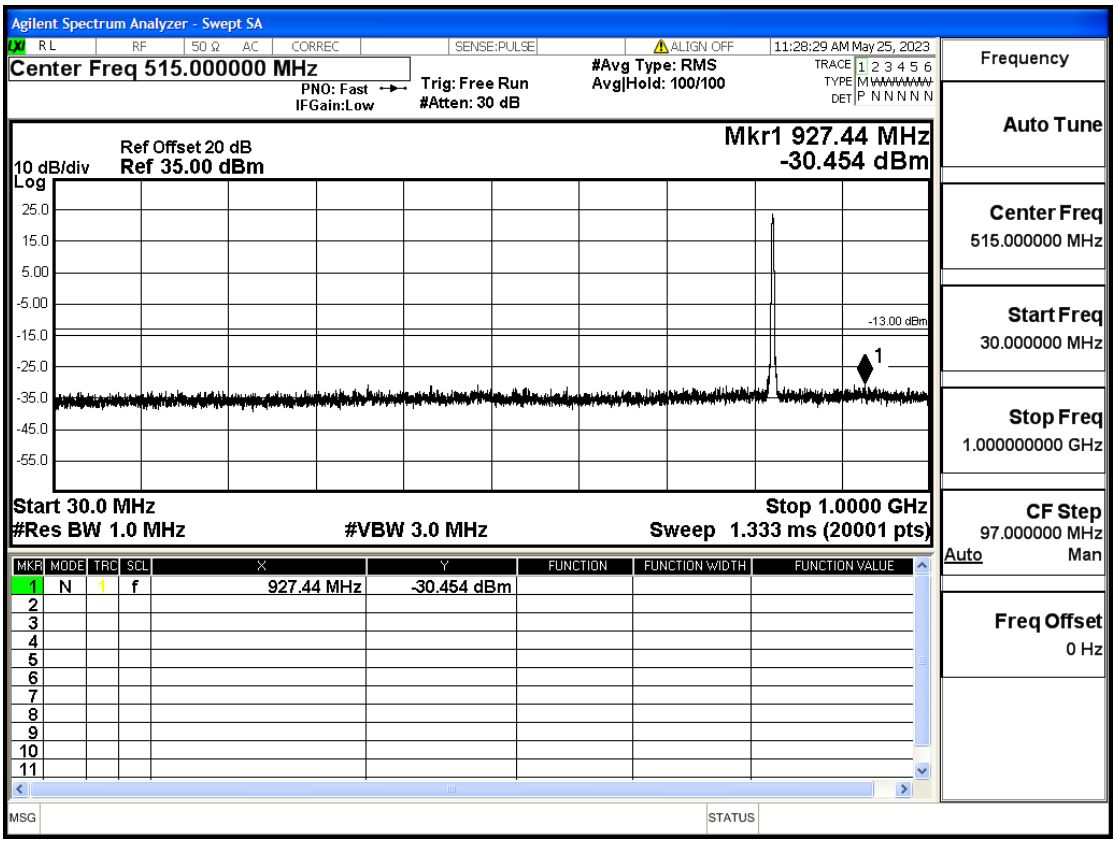


Conducted Spurious Emission

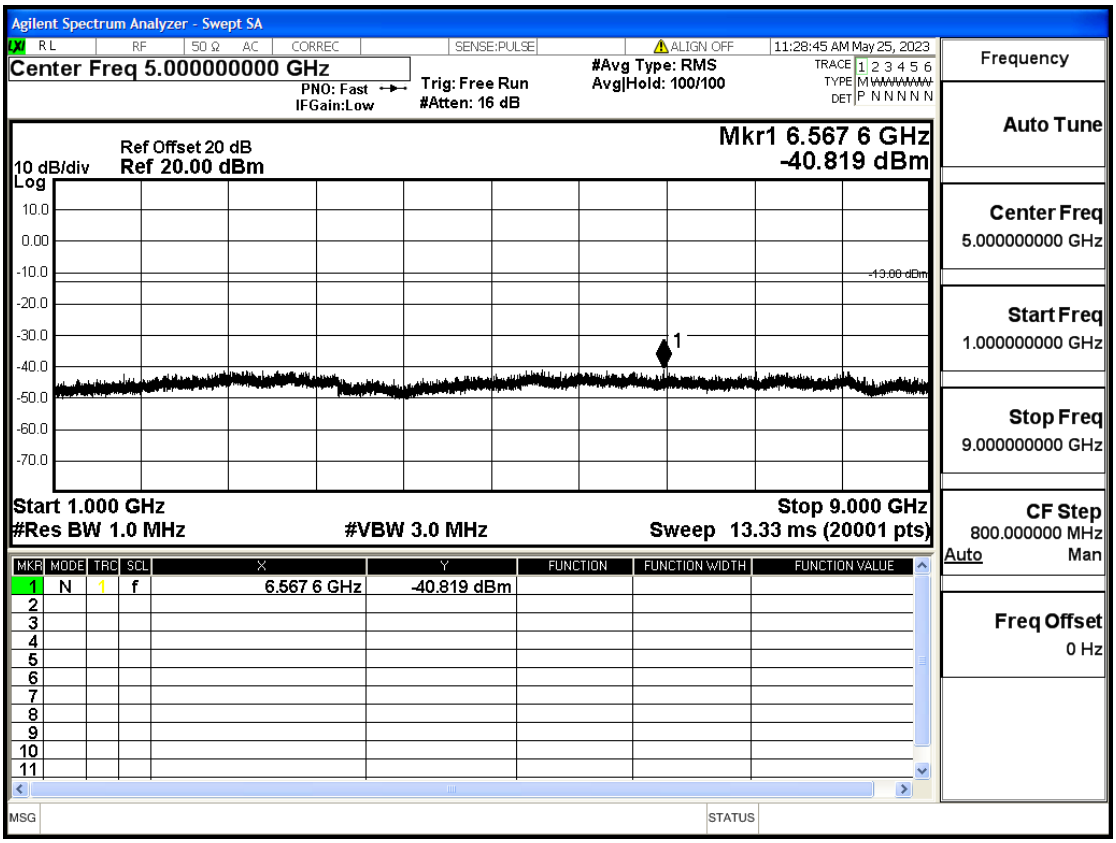
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Test Condition	Transmitter Spurious Emission(Pass/Fail)
OB5	1.4	824.7	QPSK	6	LOW	30mHz-1GHz	Pass
OB5	1.4	824.7	QPSK	6	LOW	1GHz-9GHz	Pass
OB5	1.4	836.5	QPSK	6	LOW	30mHz-1GHz	Pass
OB5	1.4	836.5	QPSK	6	LOW	1GHz-9GHz	Pass
OB5	1.4	848.3	QPSK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

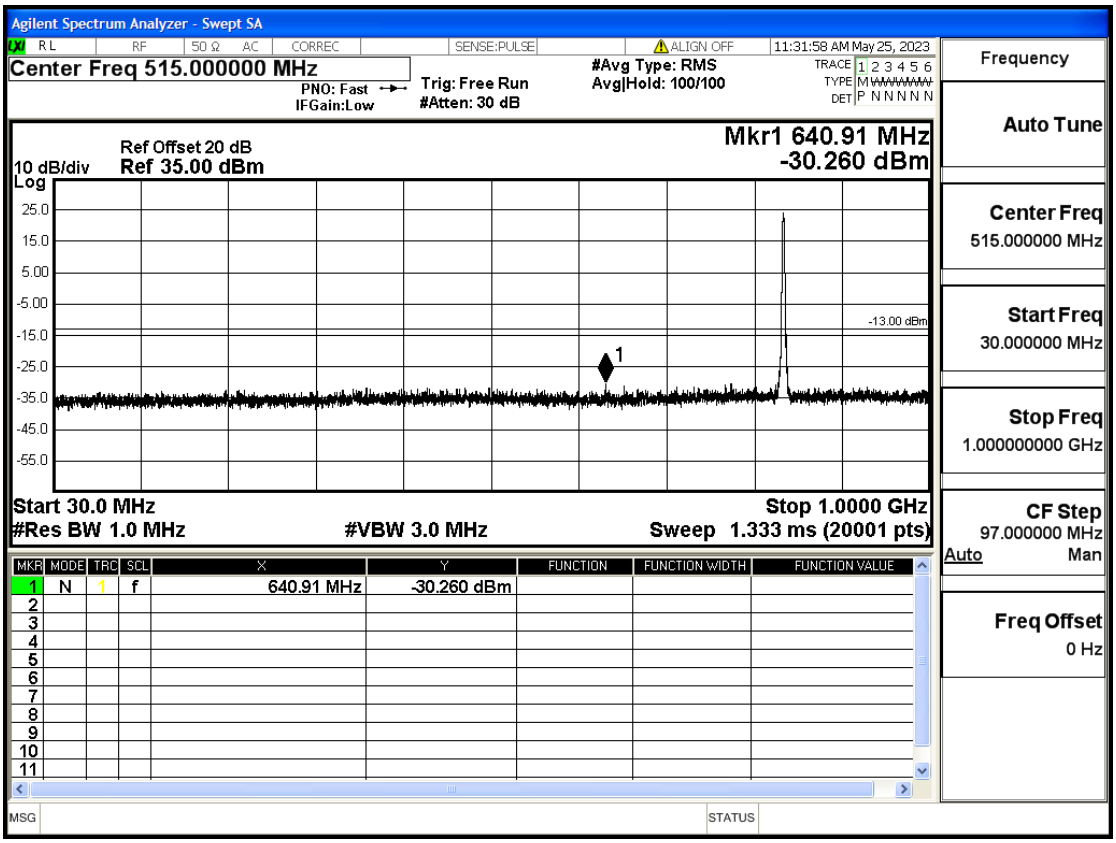
OB5-1.4-824.7-QPSK-6#LOW@30mHz-1GHz@Pass



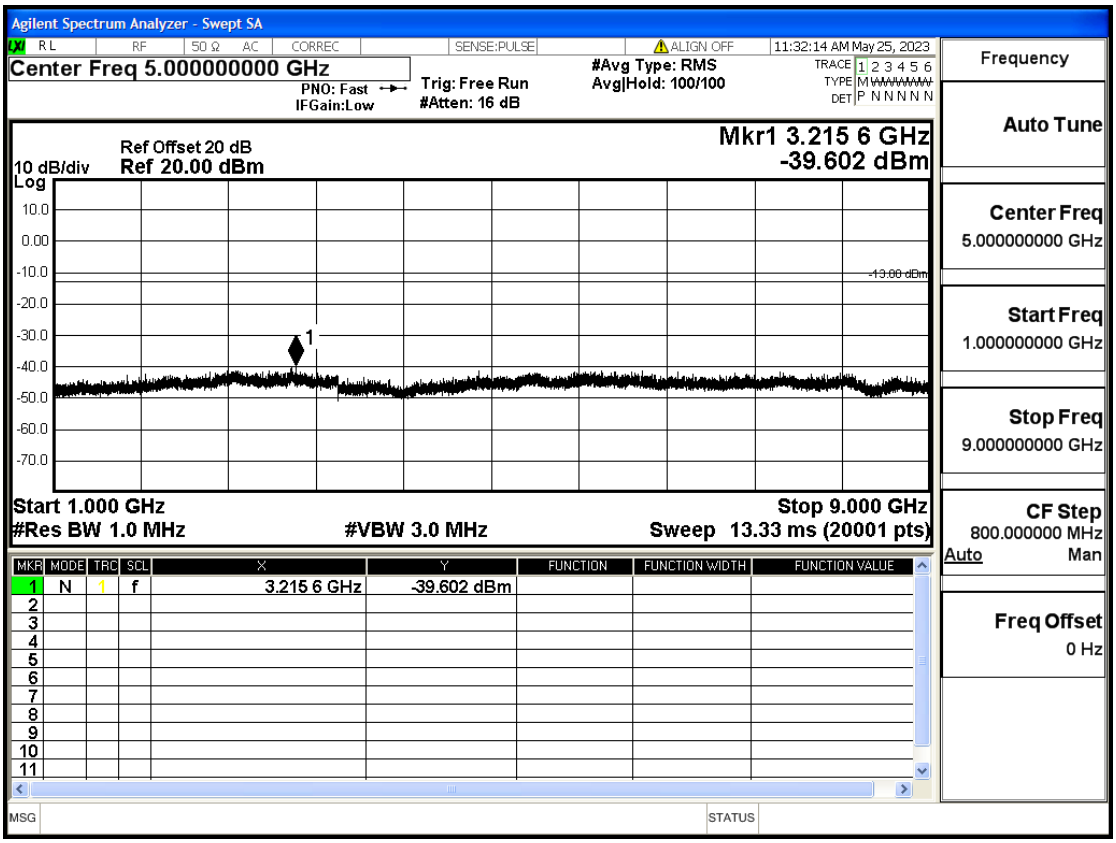
OB5-1.4-824.7-QPSK-6#LOW@1GHz-9GHz@Pass



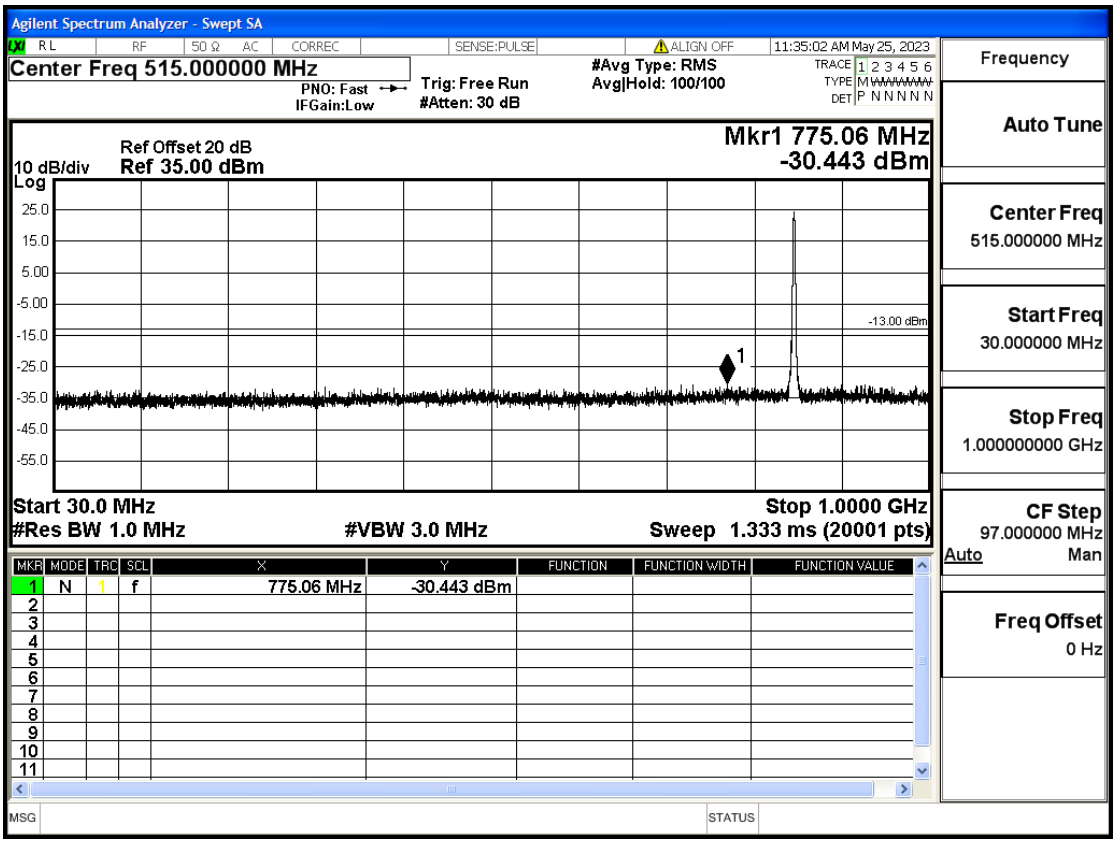
OB5-1.4-836.5-QPSK-6#LOW@30mHz-1GHz@Pass



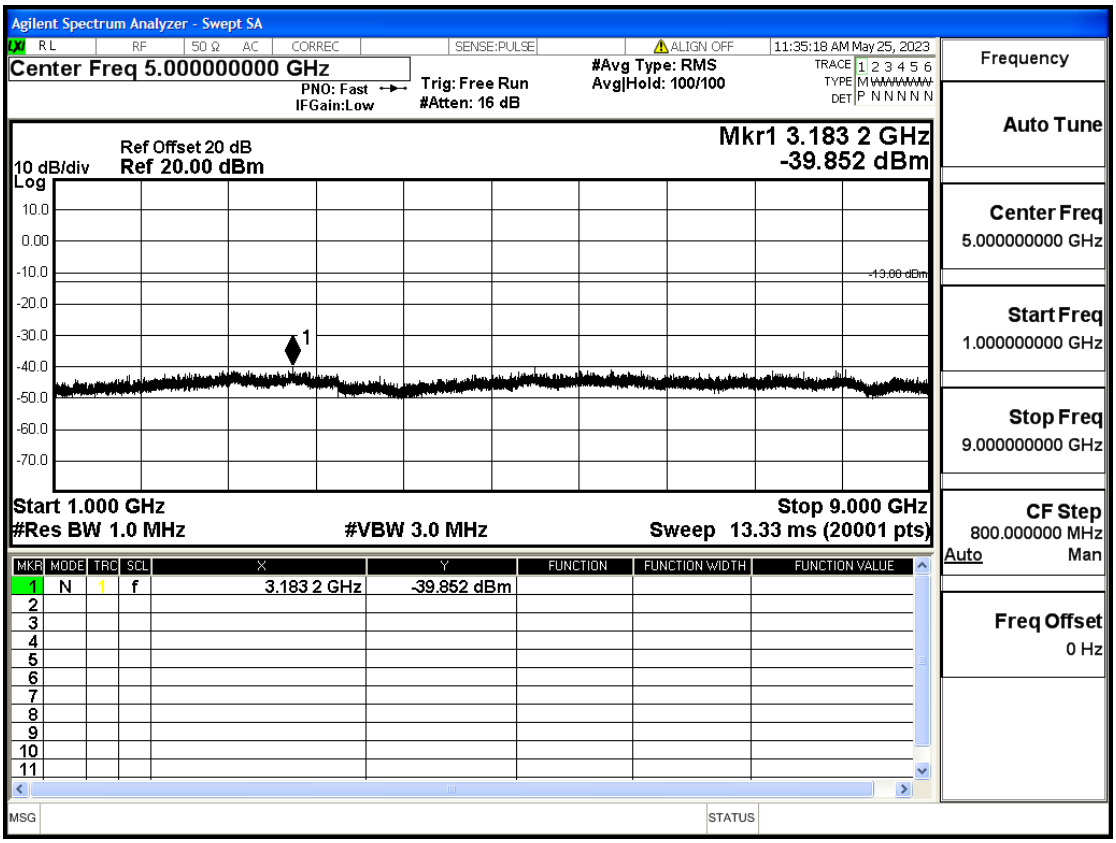
OB5-1.4-836.5-QPSK-6#LOW@1GHz-9GHz@Pass



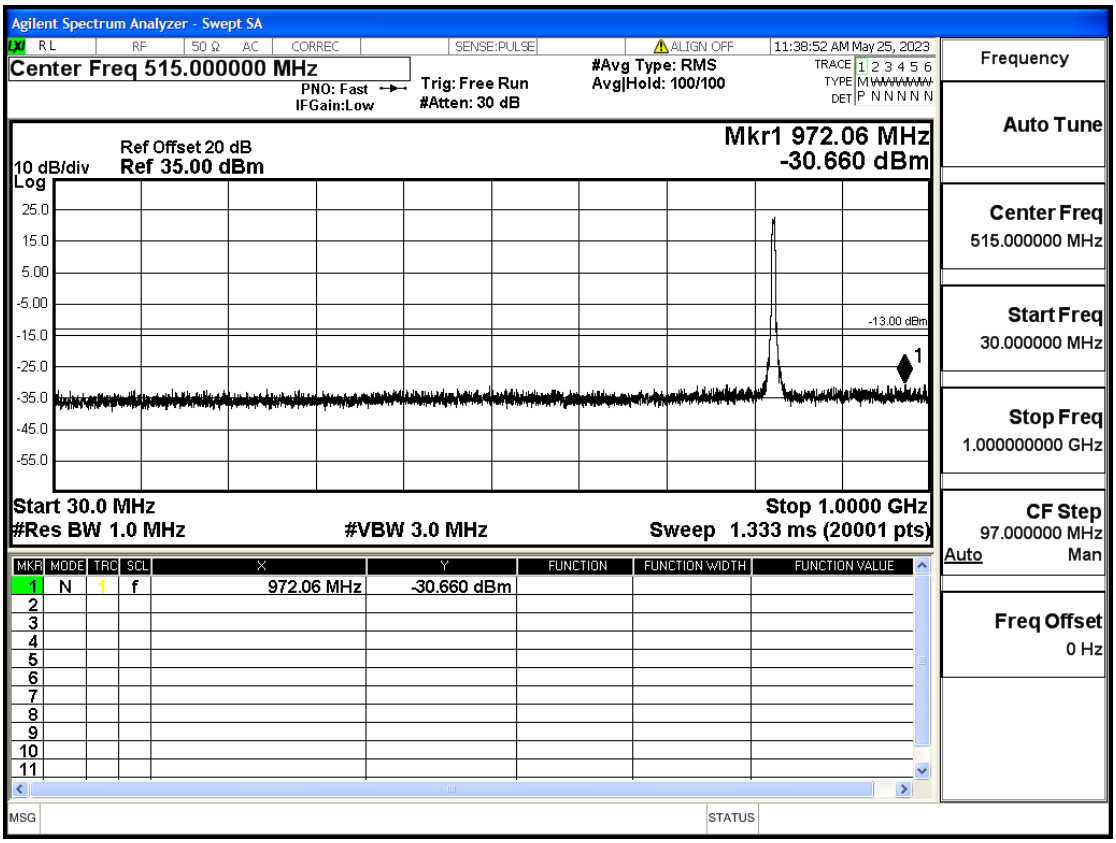
OB5-1.4-848.3-QPSK-6#LOW@30mHz-1GHz@Pass



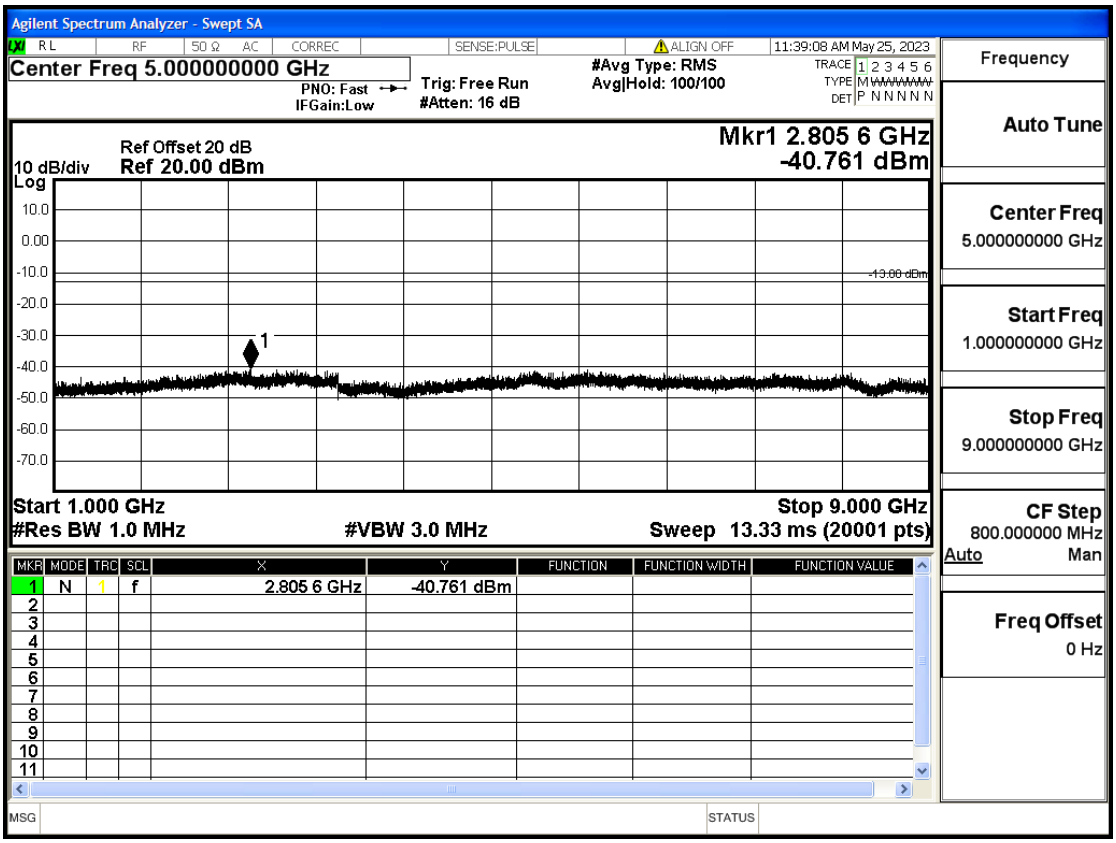
OB5-1.4-848.3-QPSK-6#LOW@1GHz-9GHz@Pass



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



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



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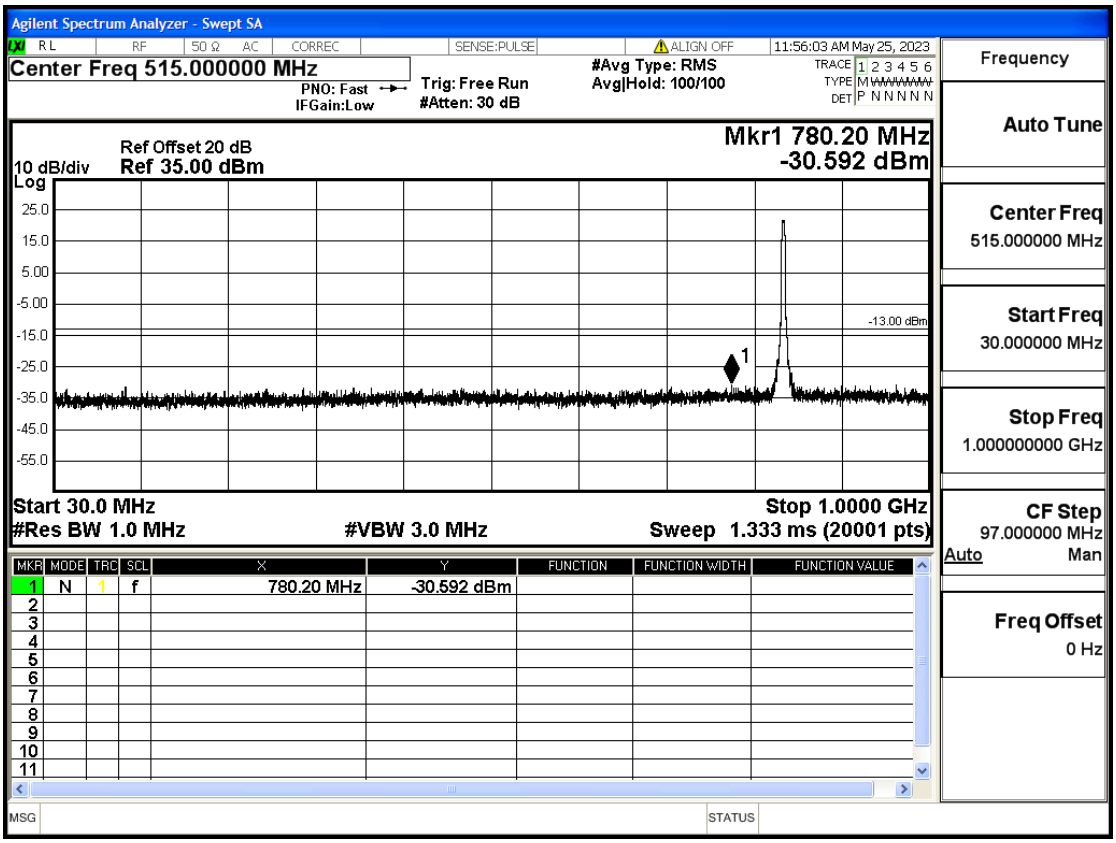

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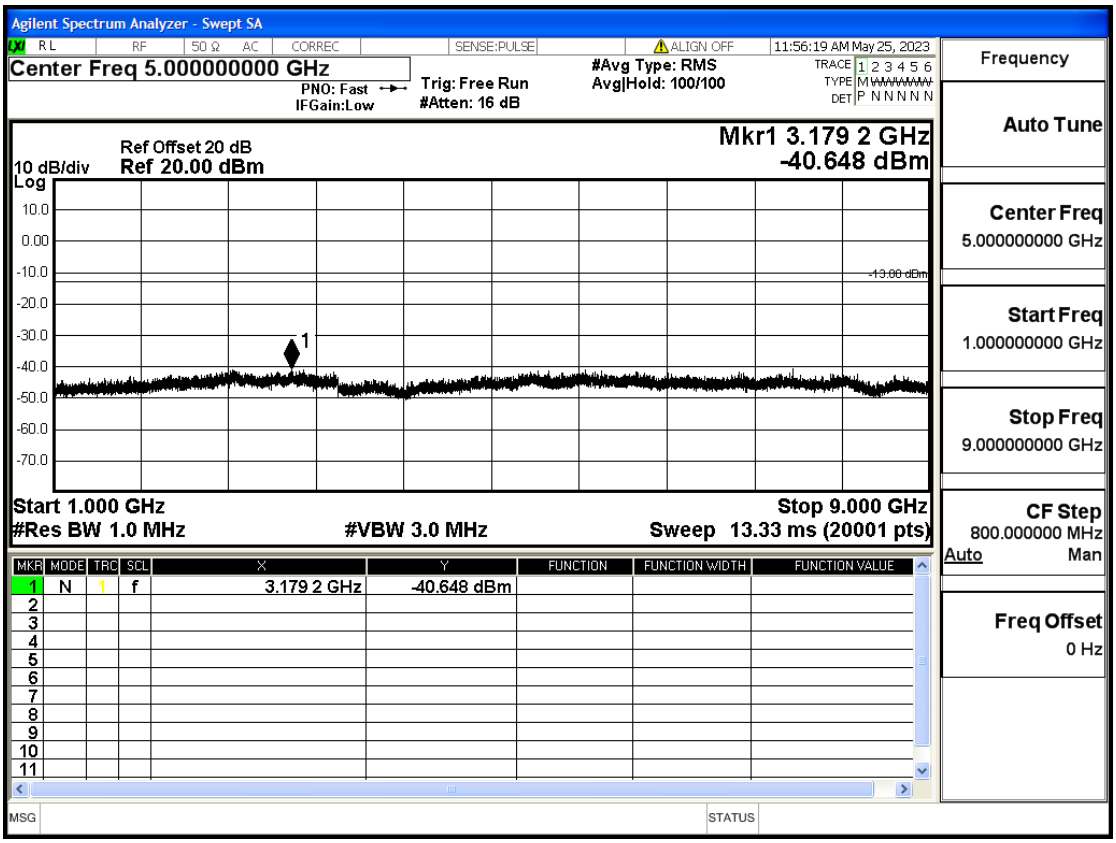
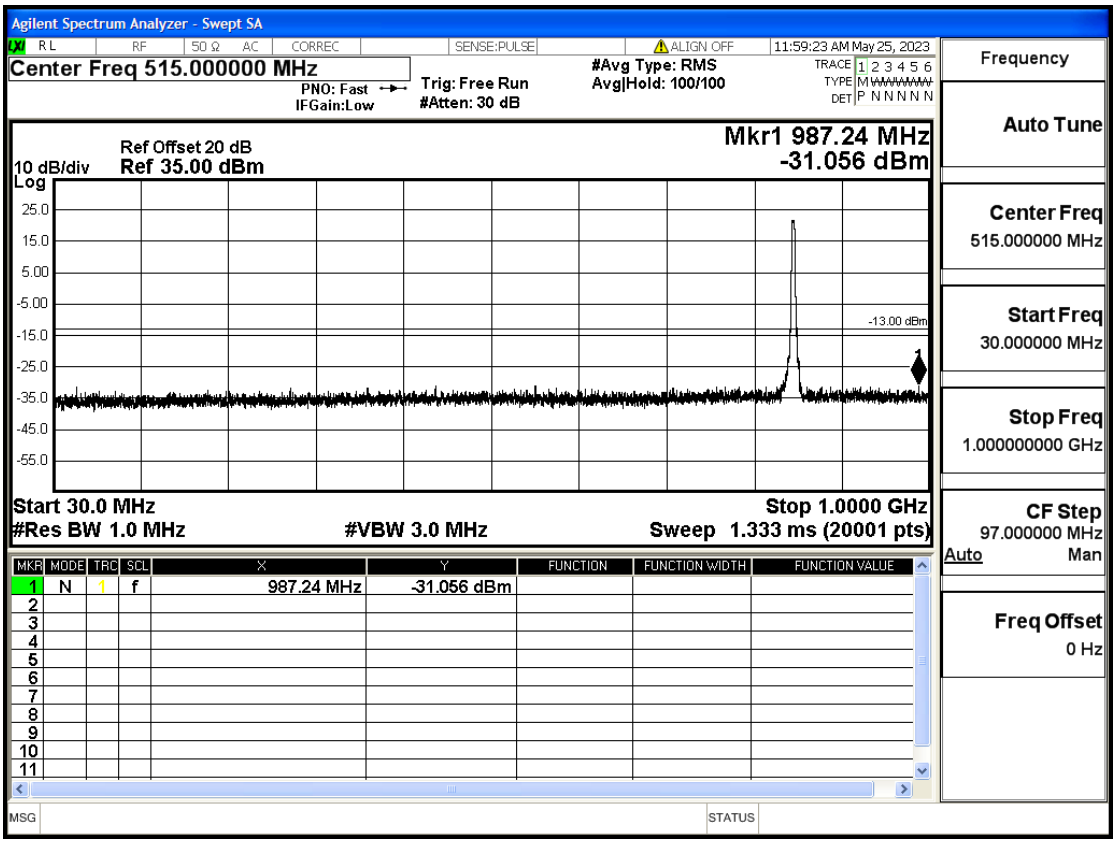
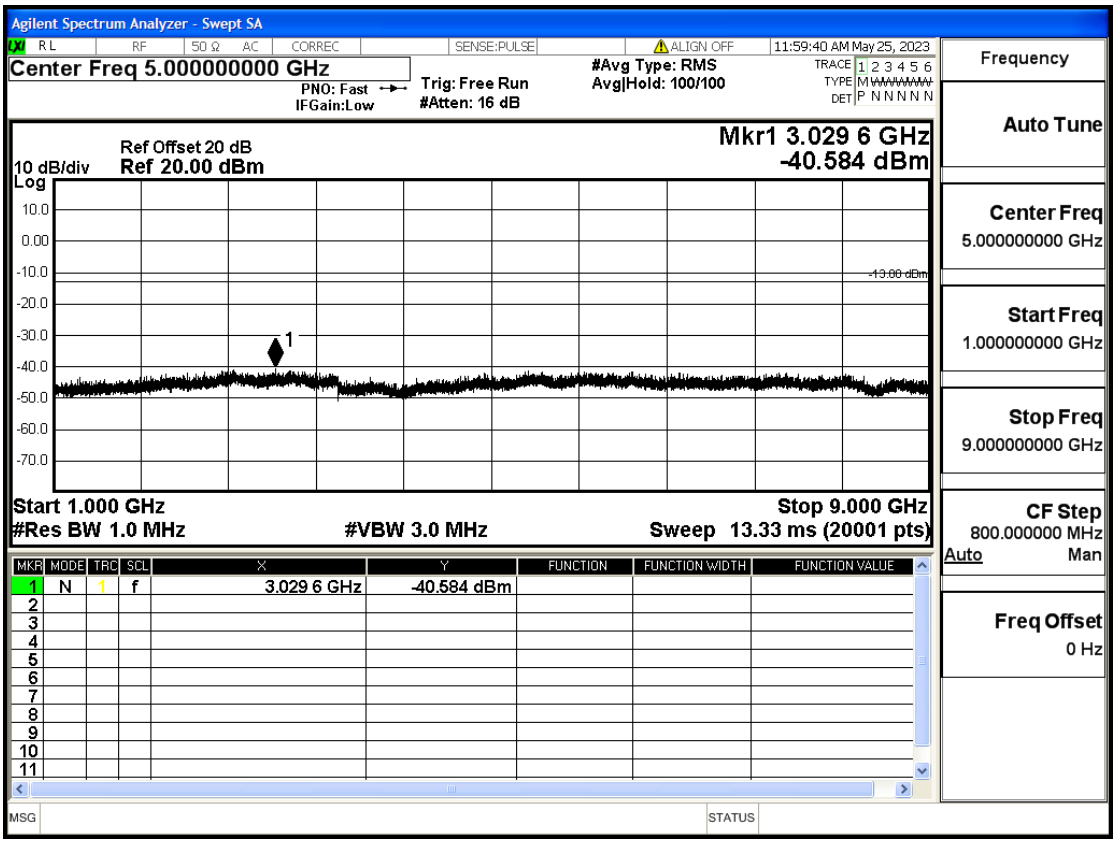


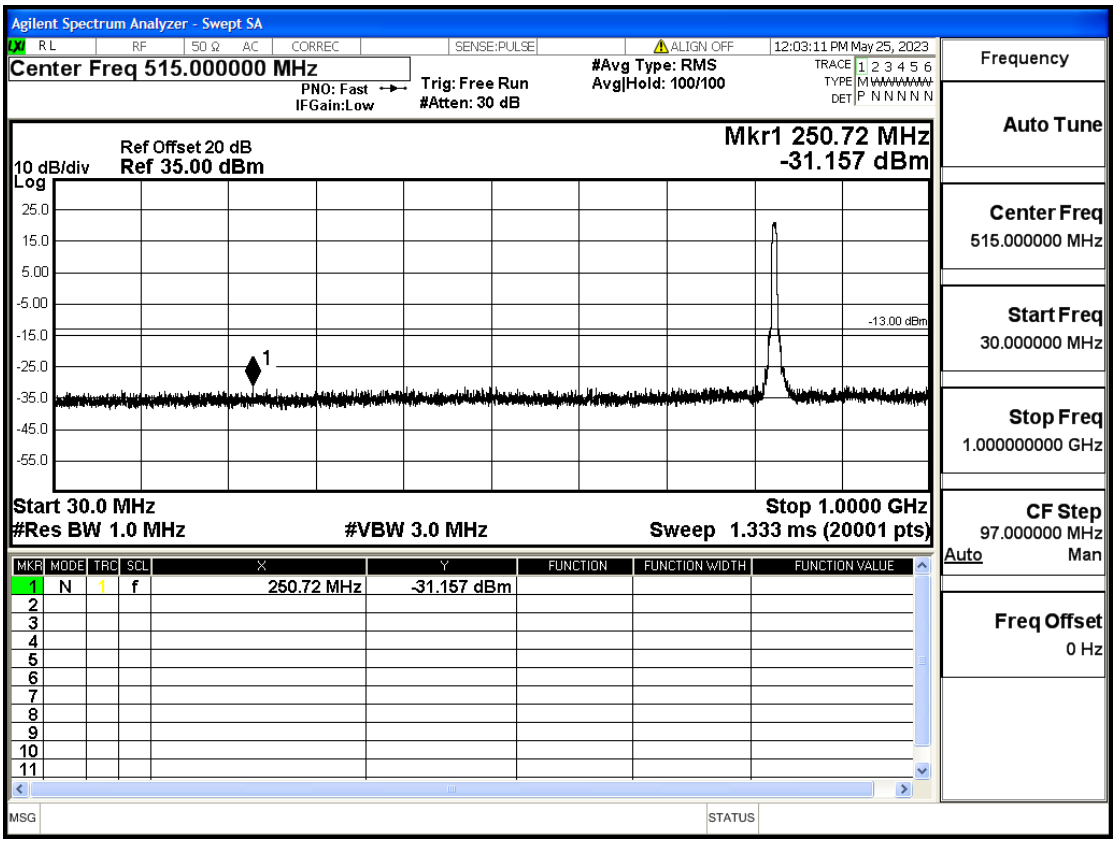
OB5-3-847.5-QPSK-15#LOW@30mHz-1GHz@Pass



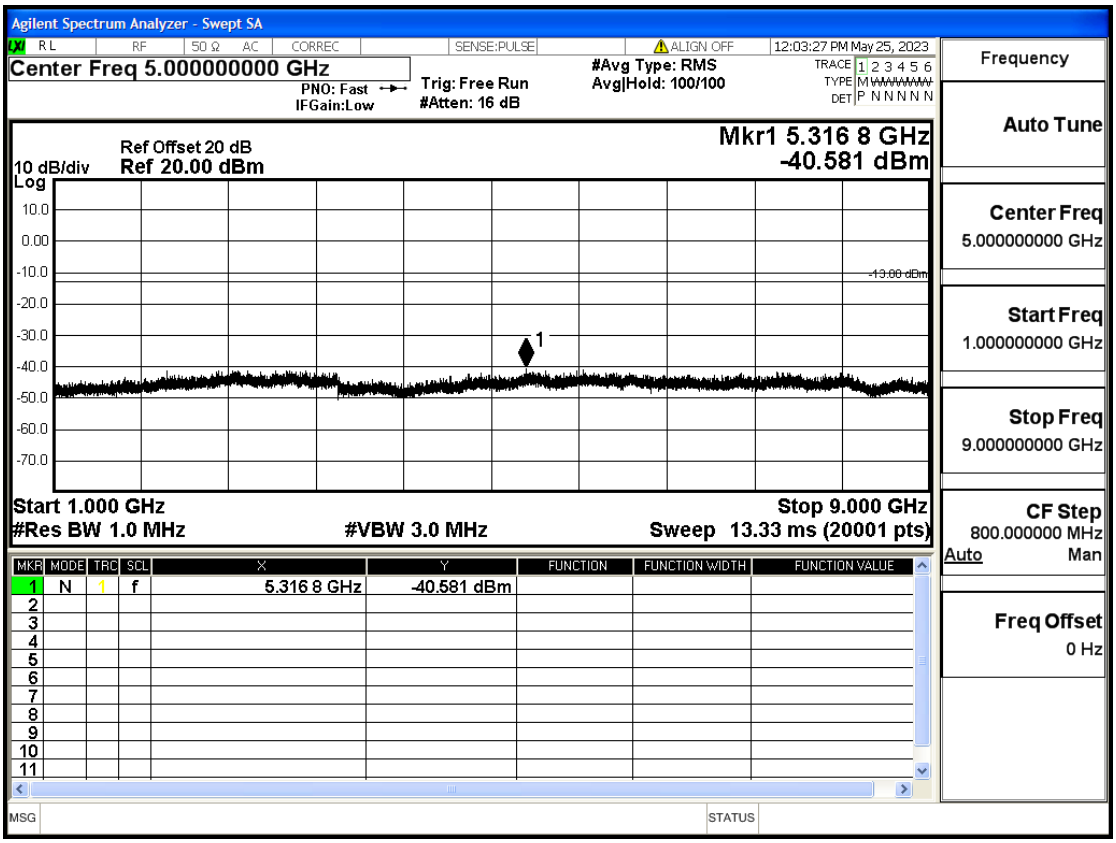
OB5-3-847.5-QPSK-15#LOW@1GHz-9GHz@Pass



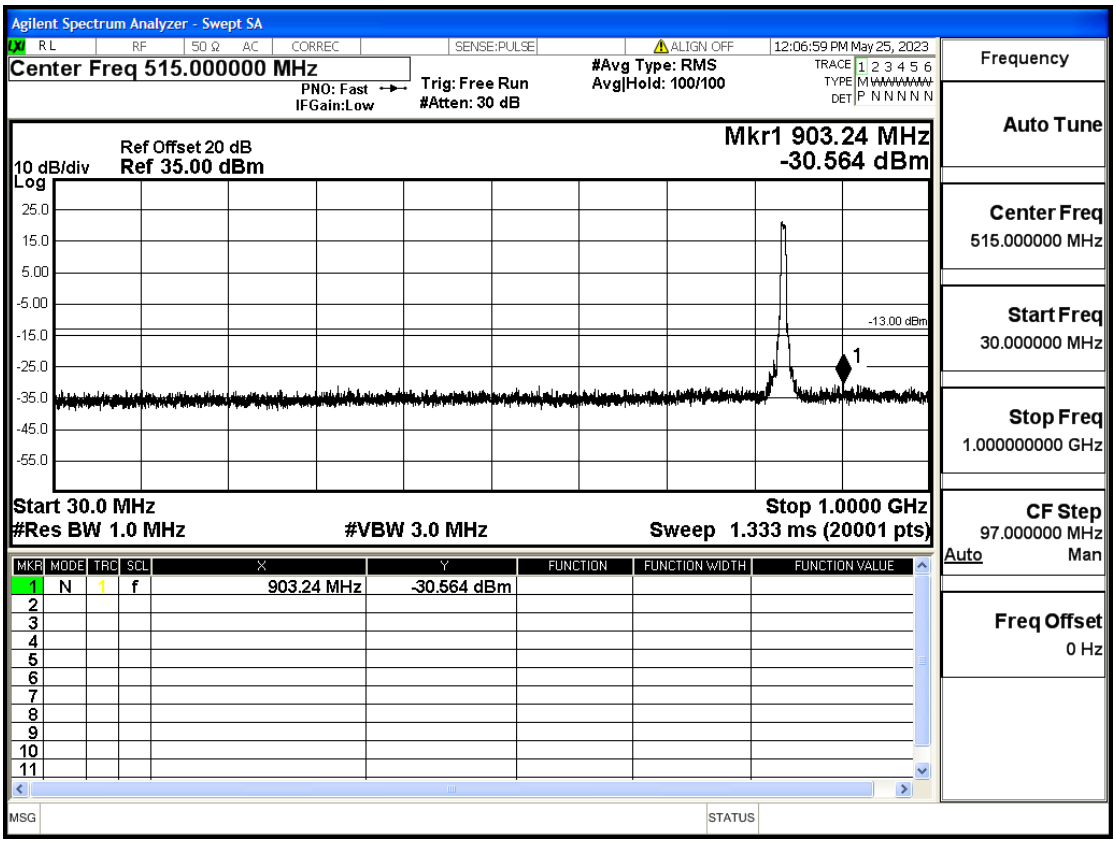
OB5-5-826.5-QPSK-25#LOW@30mHz-1GHz@Pass



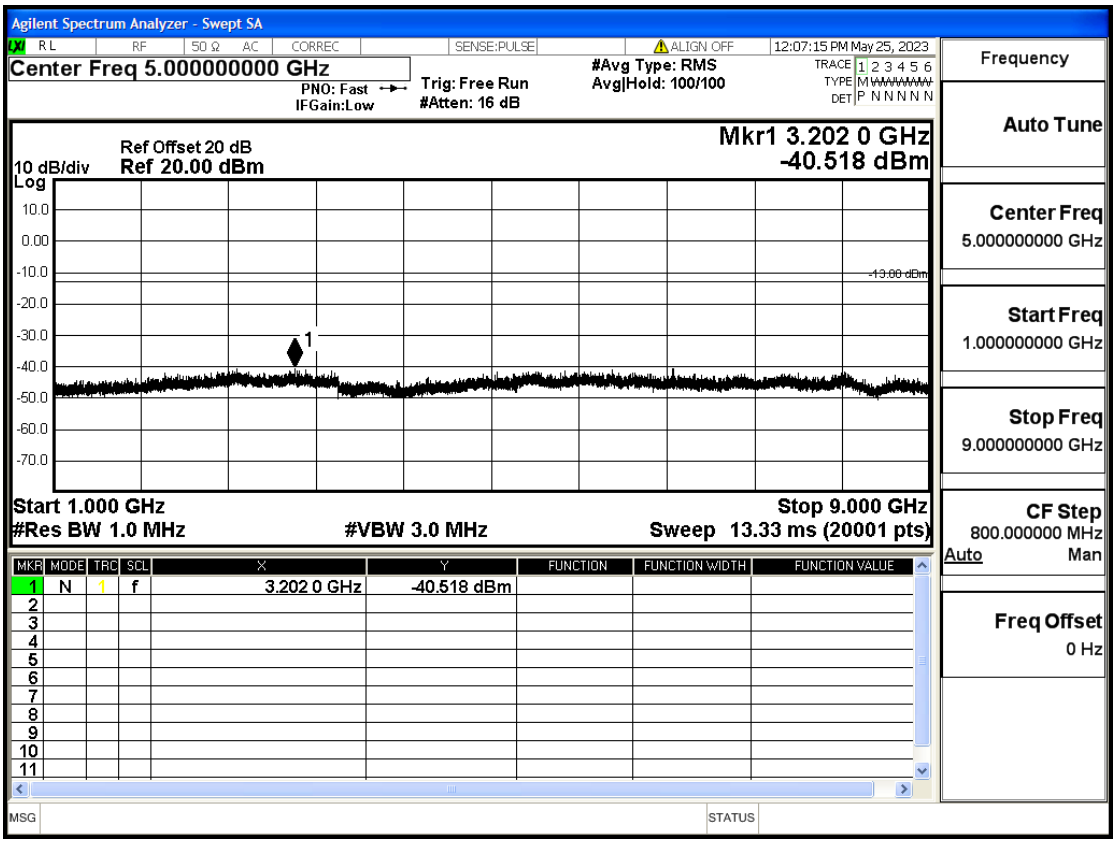
OB5-5-826.5-QPSK-25#LOW@1GHz-9GHz@Pass



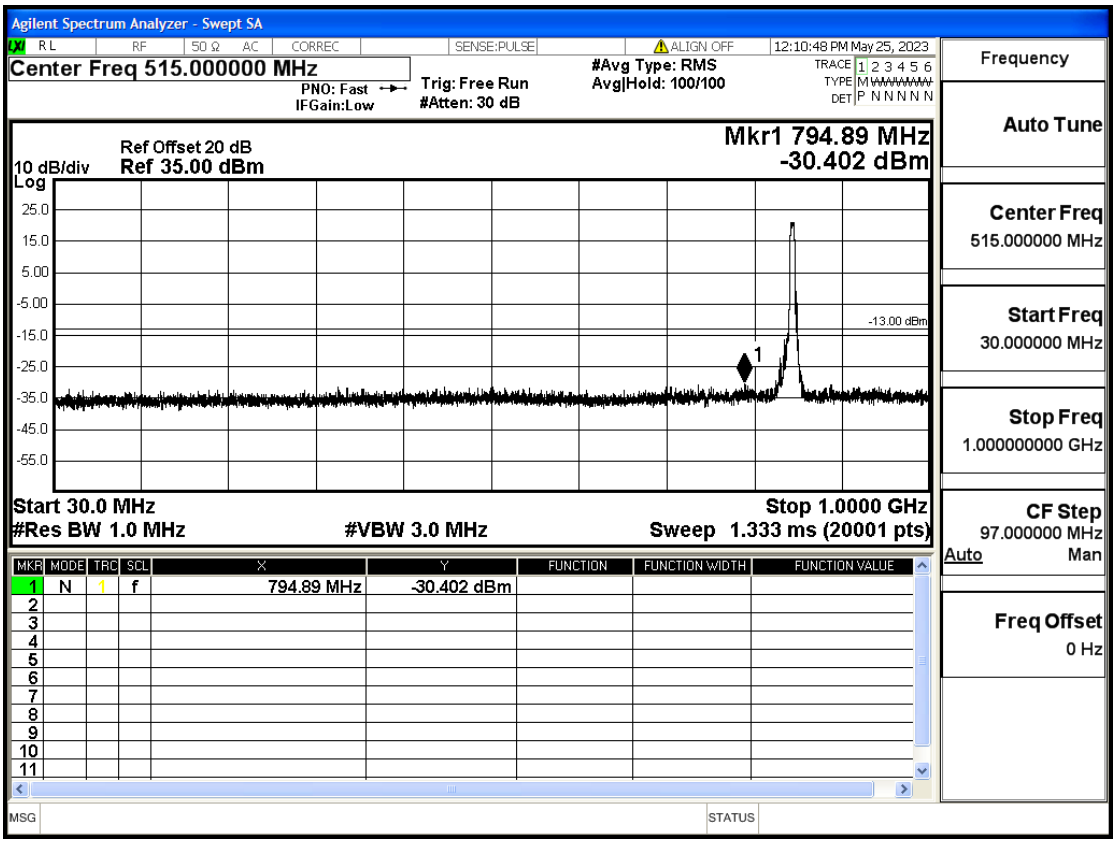
OB5-5-836.5-QPSK-25#LOW@30mHz-1GHz@Pass



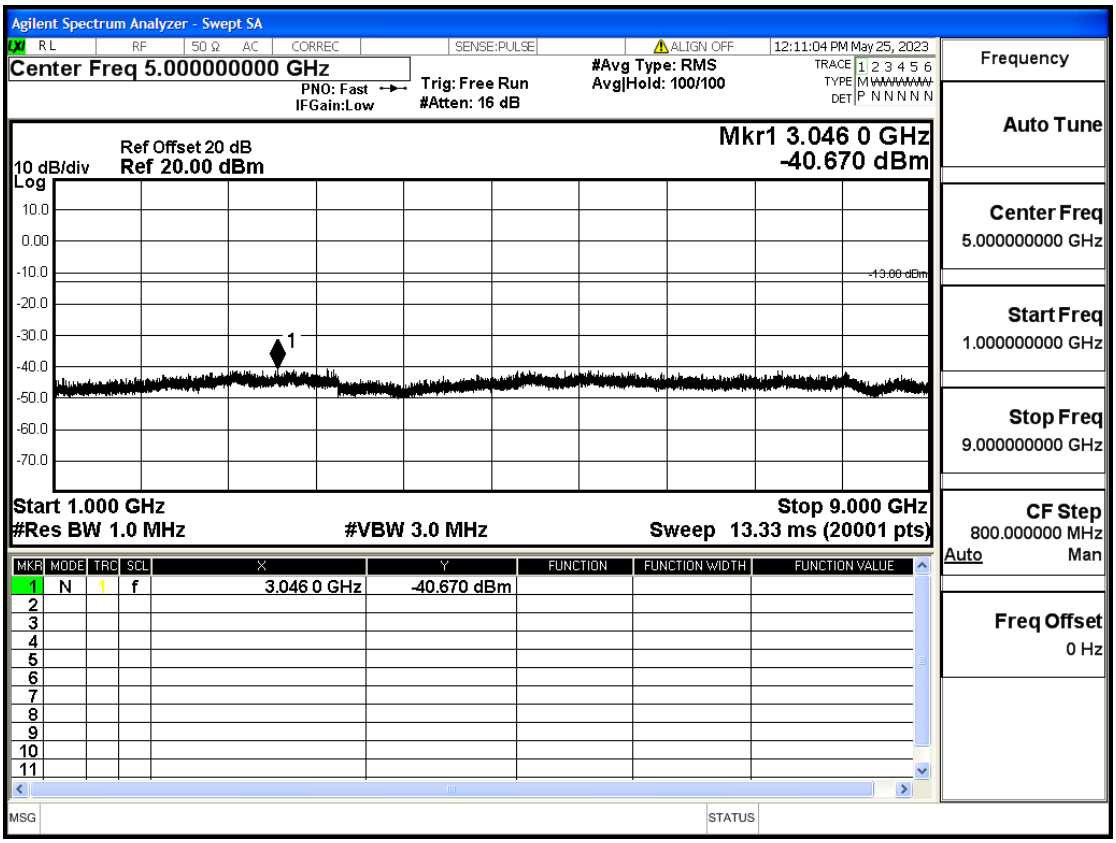
OB5-5-836.5-QPSK-25#LOW@1GHz-9GHz@Pass



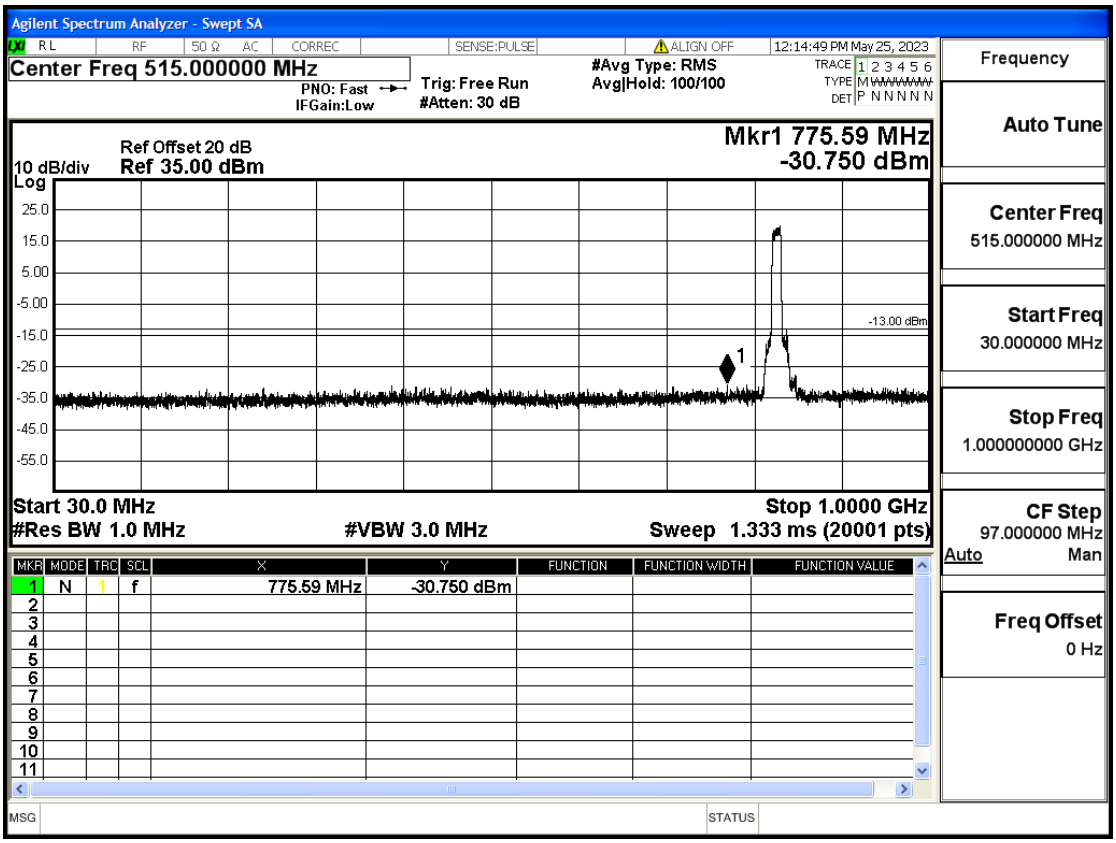
OB5-5-846.5-QPSK-25#LOW@30mHz-1GHz@Pass



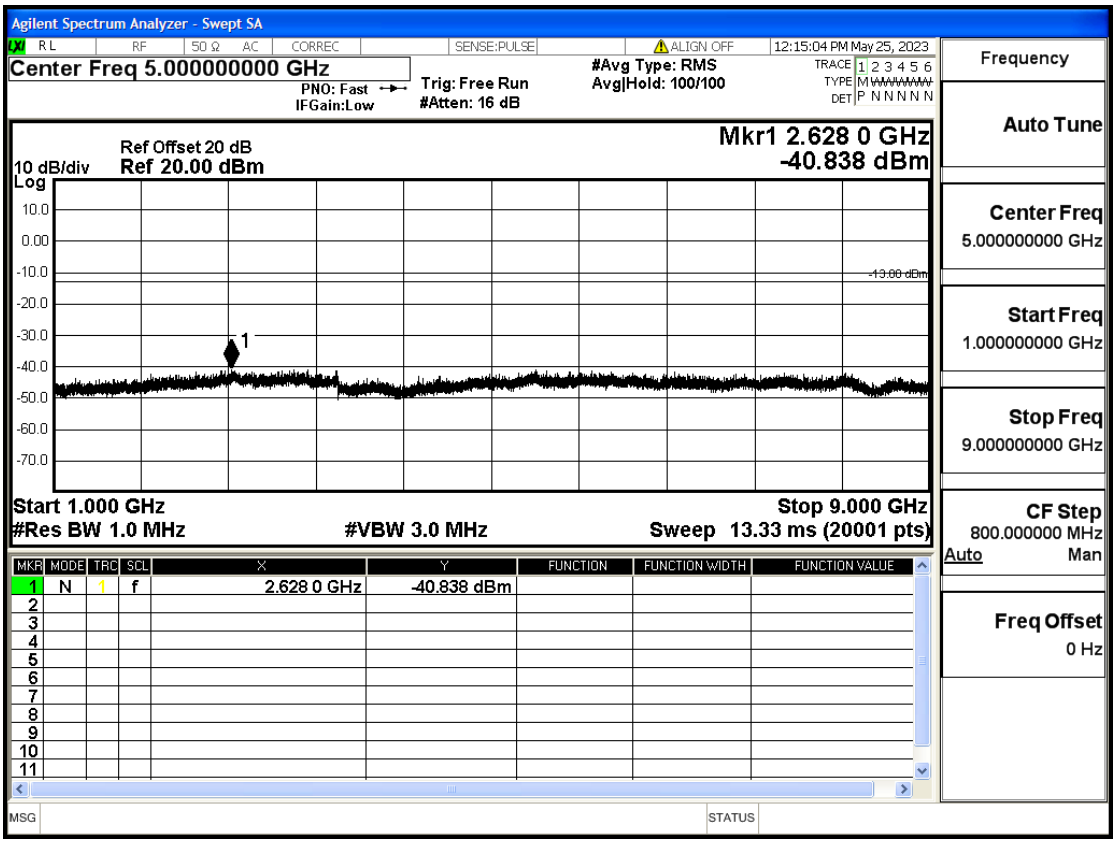
OB5-5-846.5-QPSK-25#LOW@1GHz-9GHz@Pass



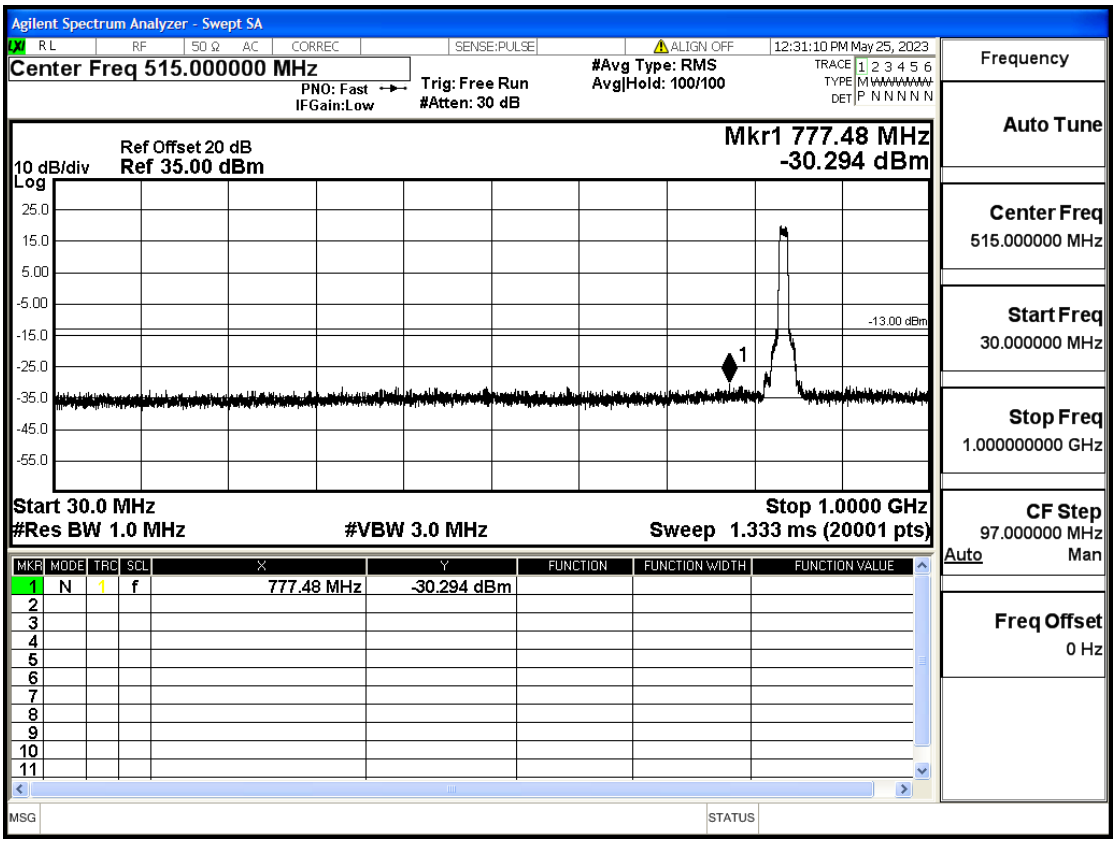
OB5-10-829-QPSK-50#LOW@30mHz-1GHz@Pass



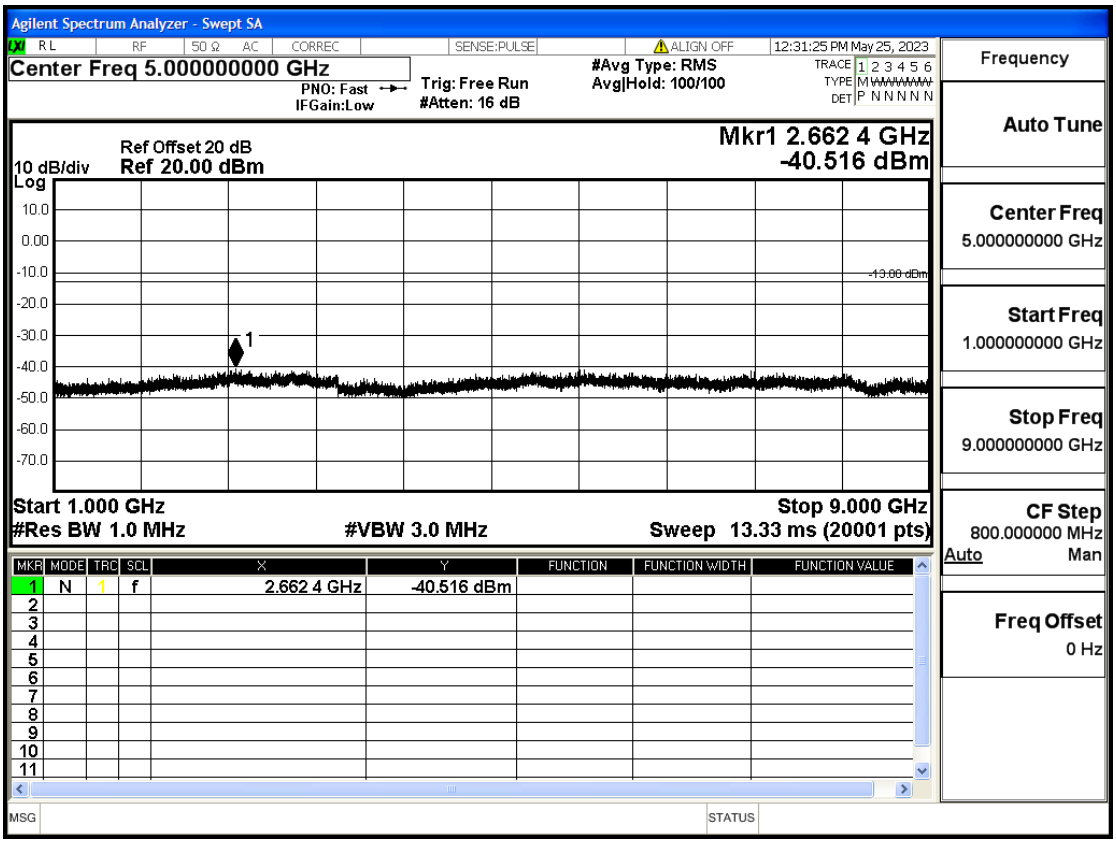
OB5-10-829-QPSK-50#LOW@1GHz-9GHz@Pass



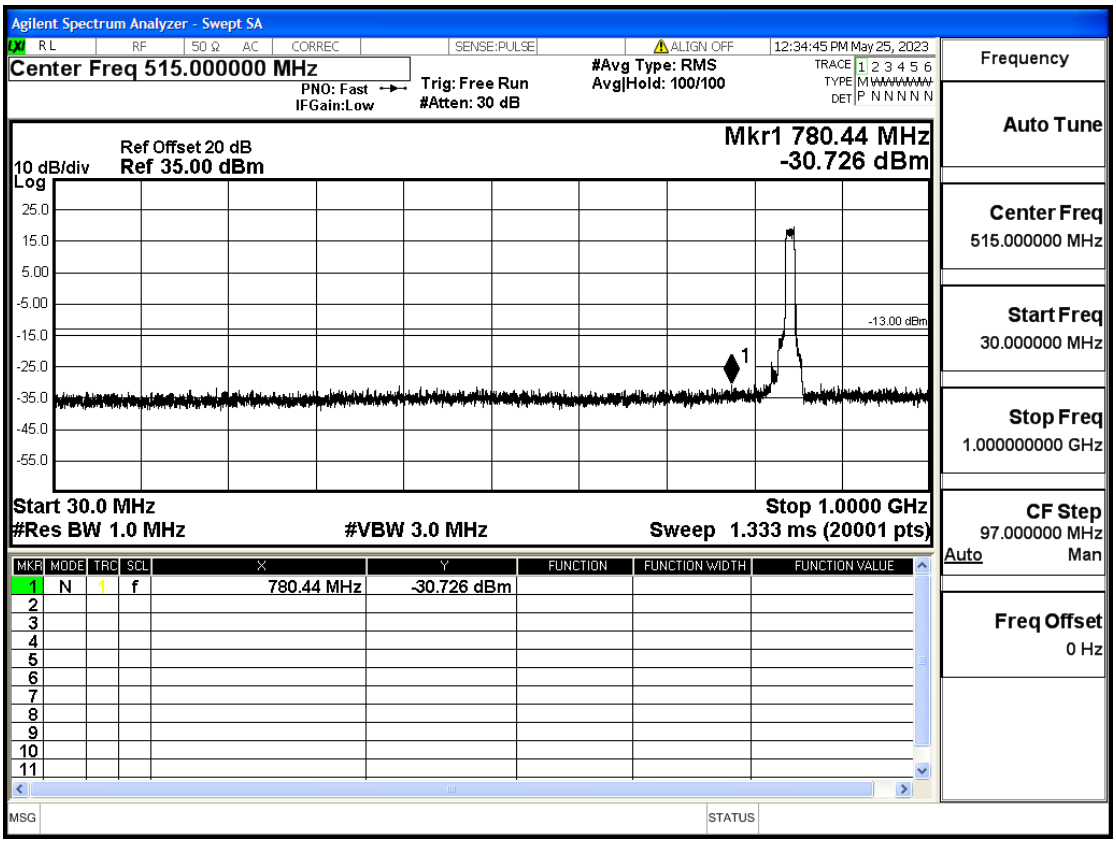
OB5-10-836.5-QPSK-50#LOW@30mHz-1GHz@Pass



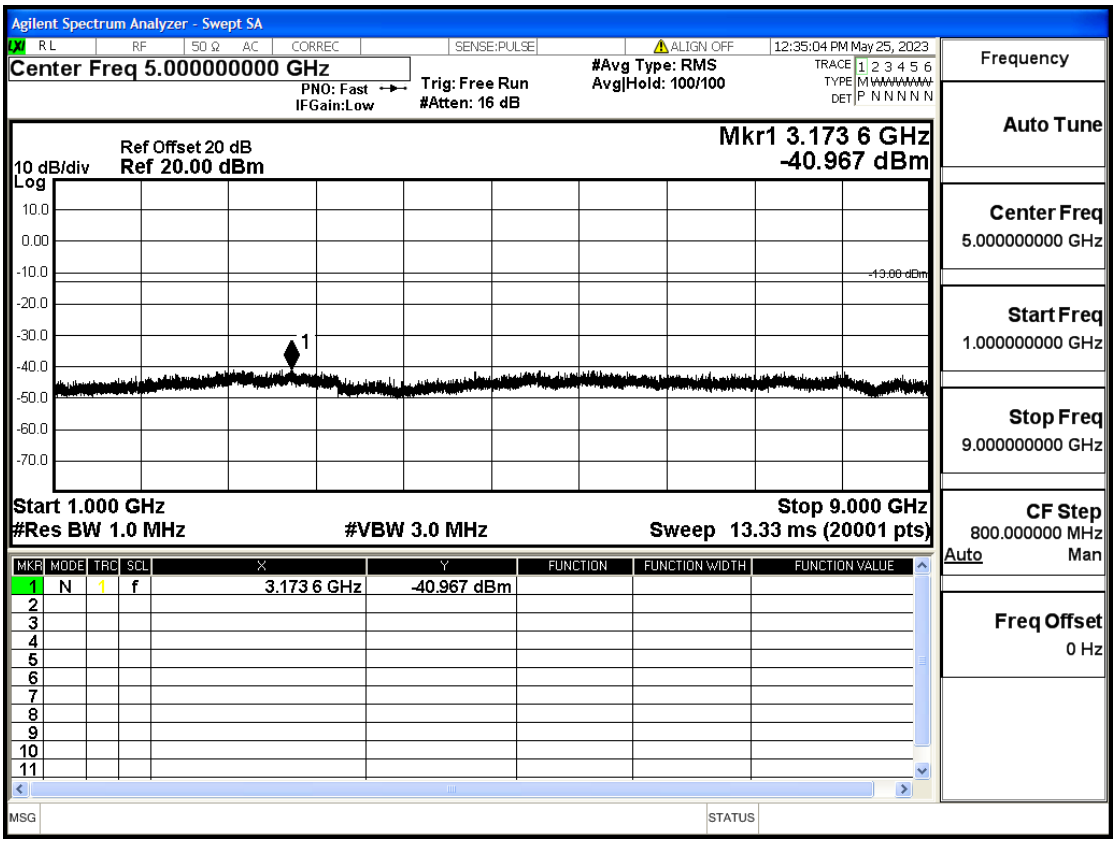
OB5-10-836.5-QPSK-50#LOW@1GHz-9GHz@Pass



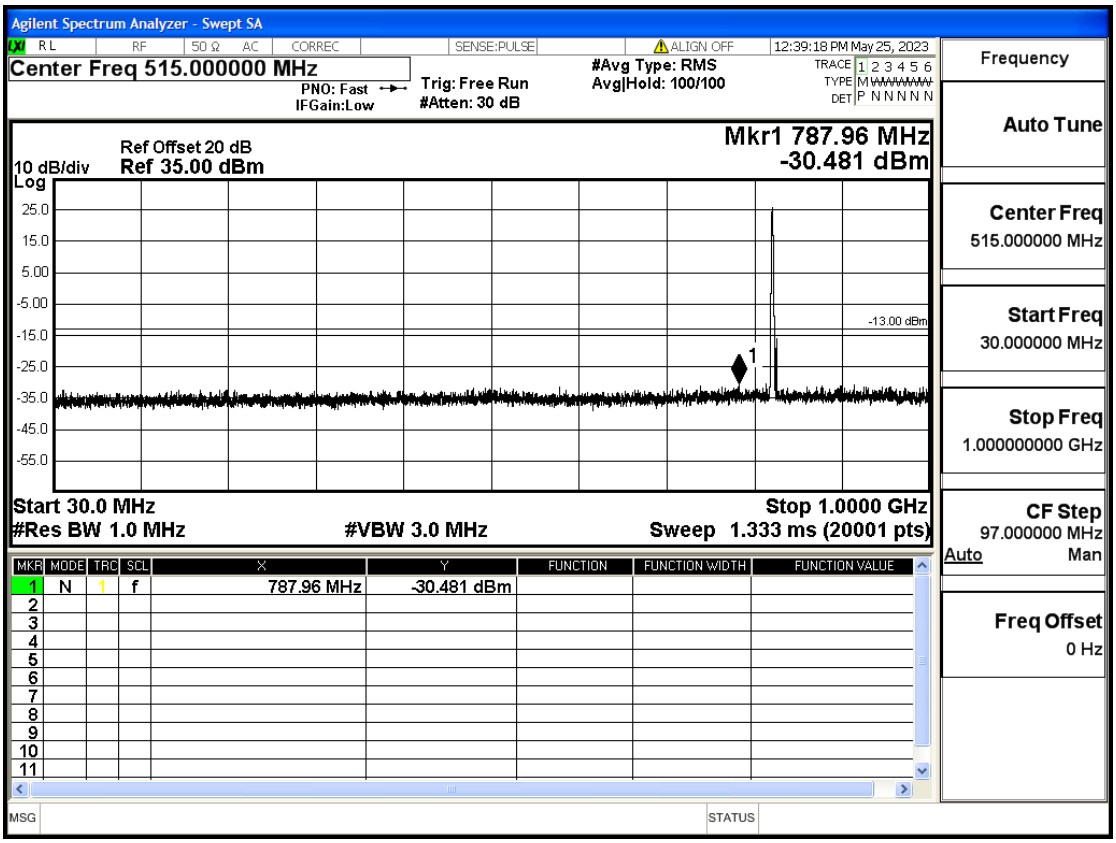
OB5-10-844-QPSK-50#LOW@30mHz-1GHz@Pass



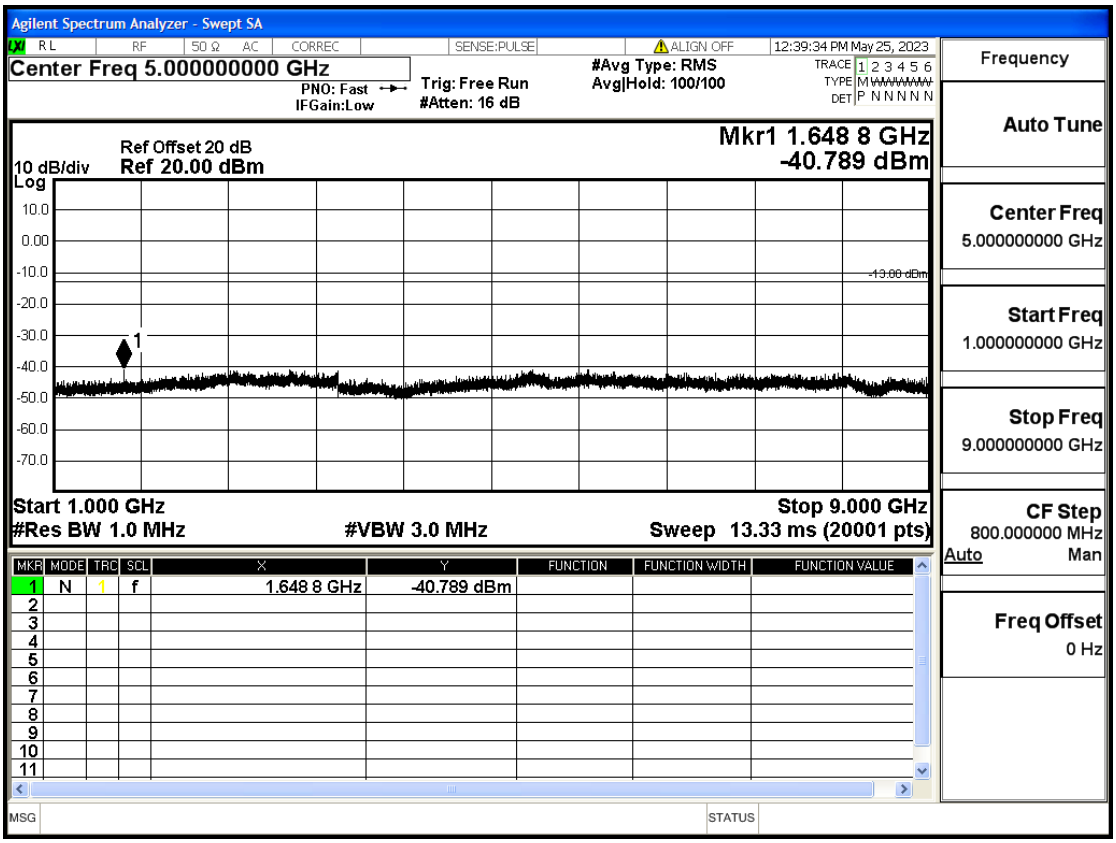
OB5-10-844-QPSK-50#LOW@1GHz-9GHz@Pass



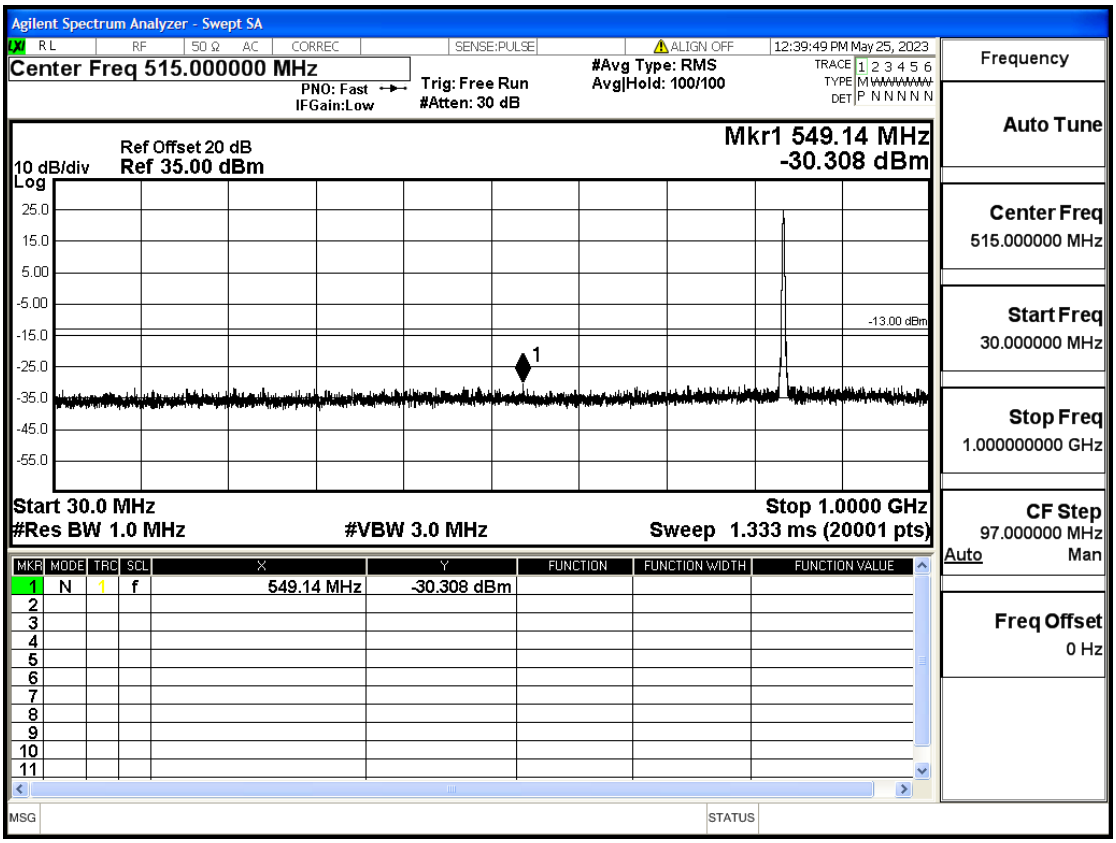
OB5-1.4-824.7-Q16-6#LOW@30mHz-1GHz@Pass



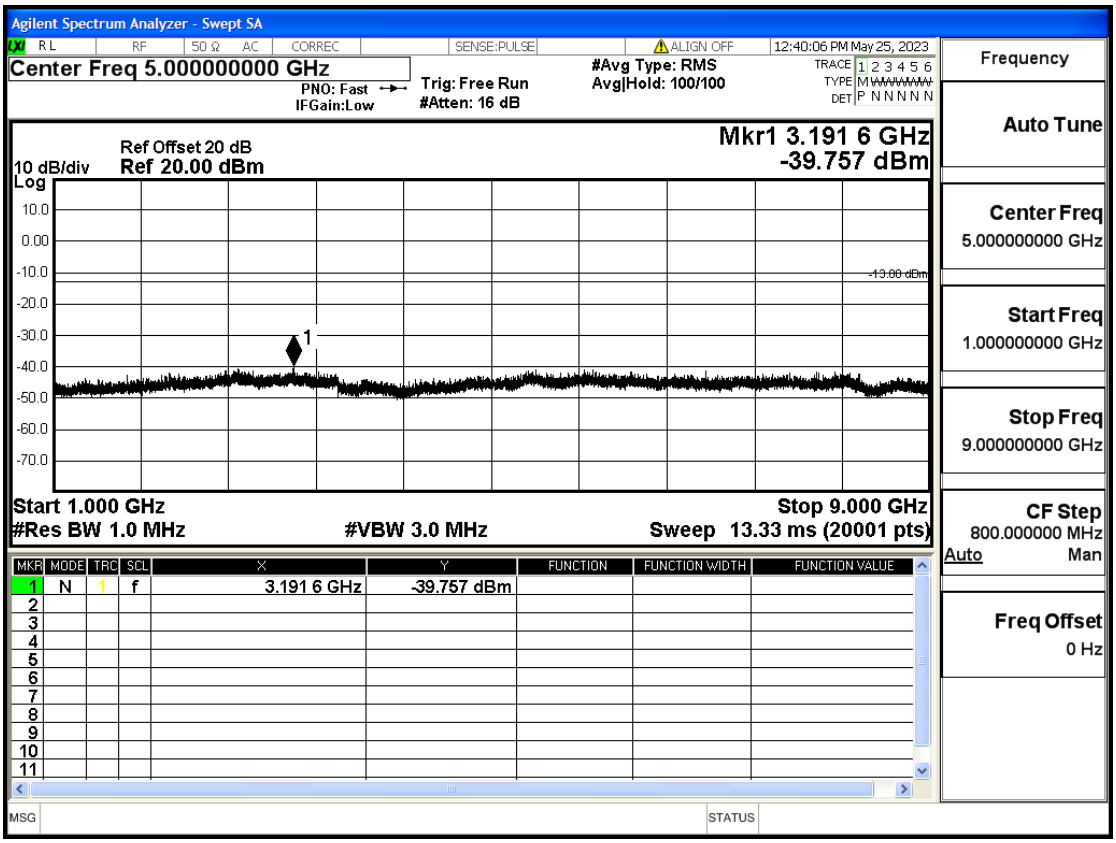
OB5-1.4-824.7-Q16-6#LOW@1GHz-9GHz@Pass



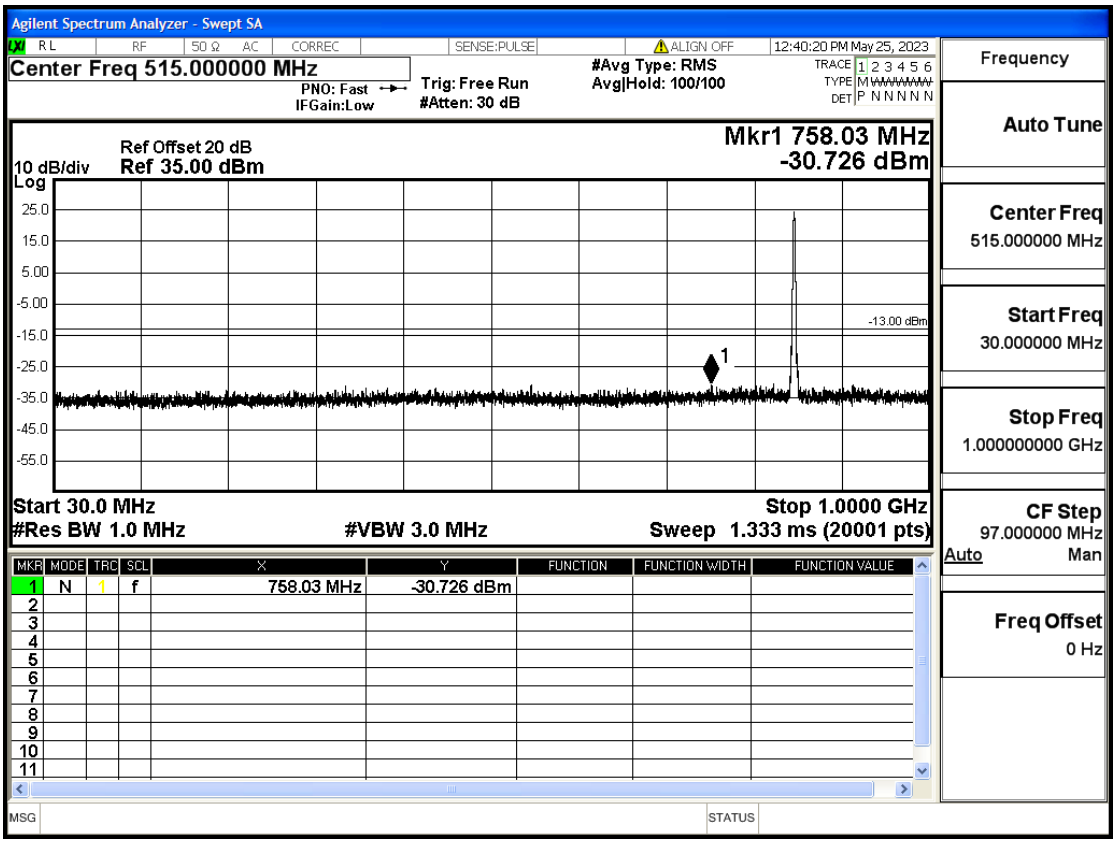
OB5-1.4-836.5-Q16-6#LOW@30mHz-1GHz@Pass



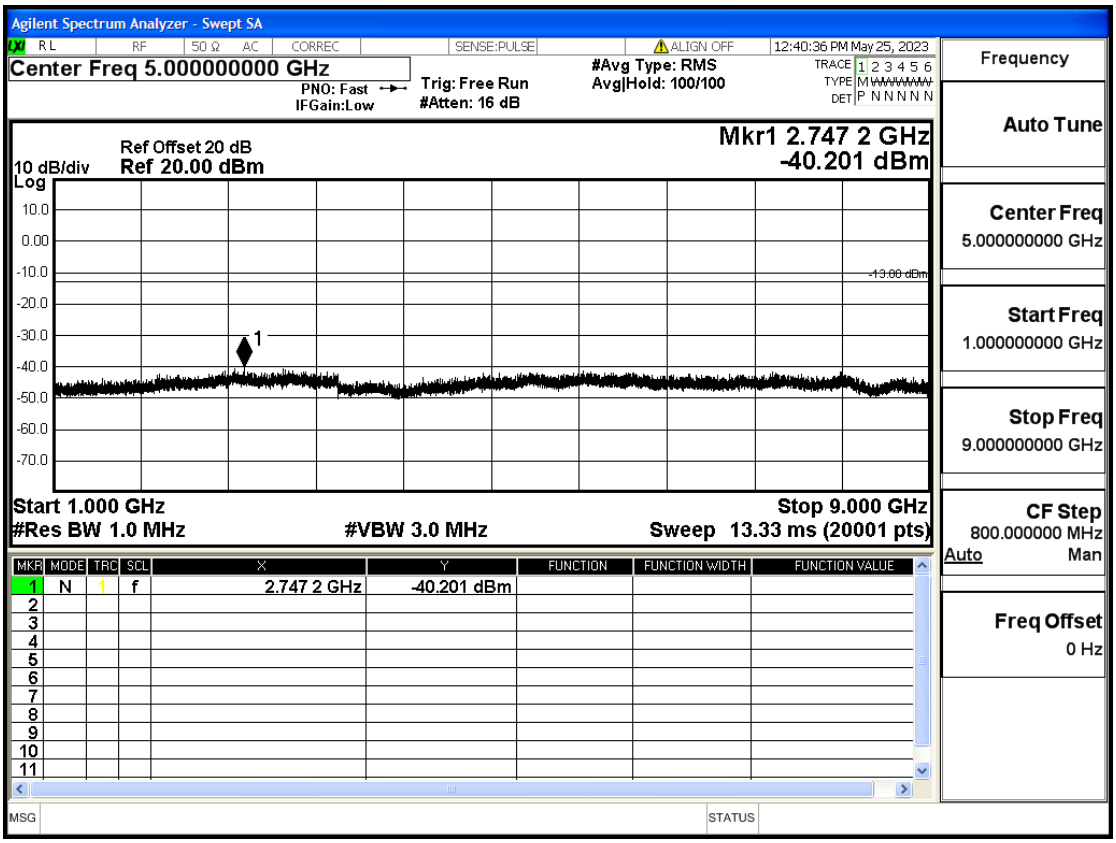
OB5-1.4-836.5-Q16-6#LOW@1GHz-9GHz@Pass



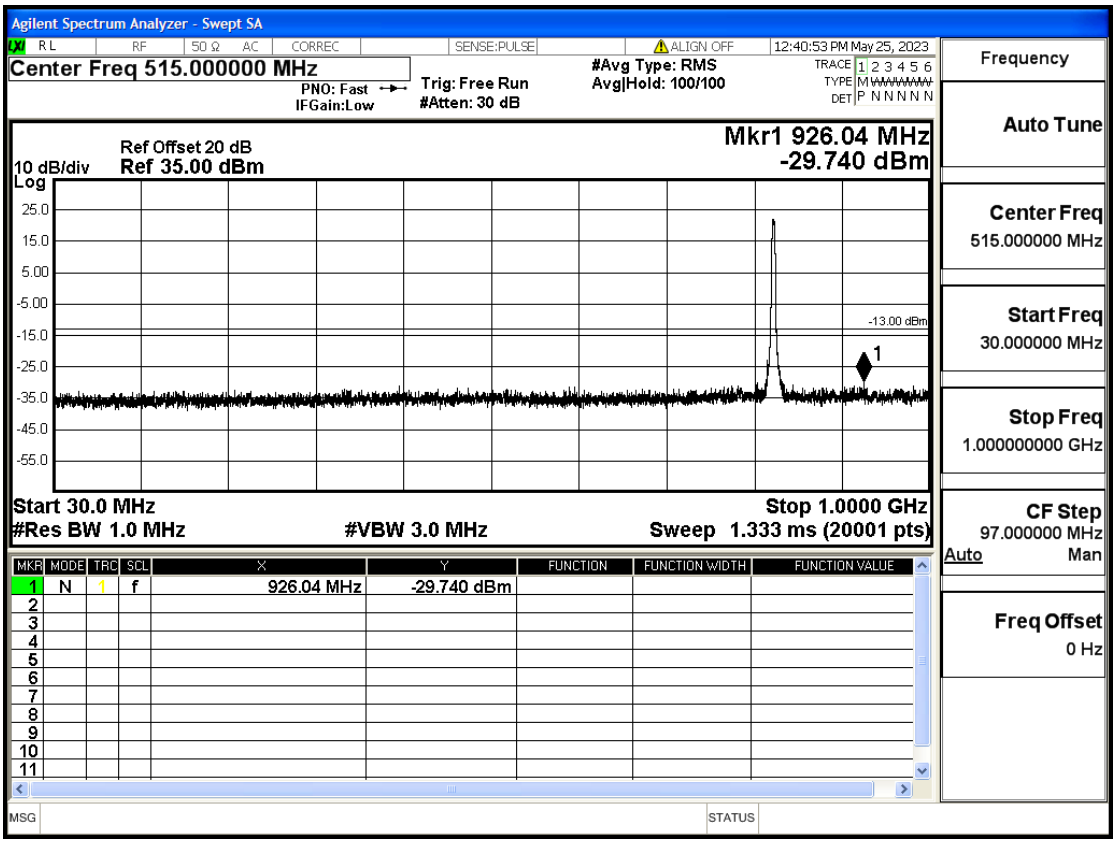
OB5-1.4-848.3-Q16-6#LOW@30mHz-1GHz@Pass



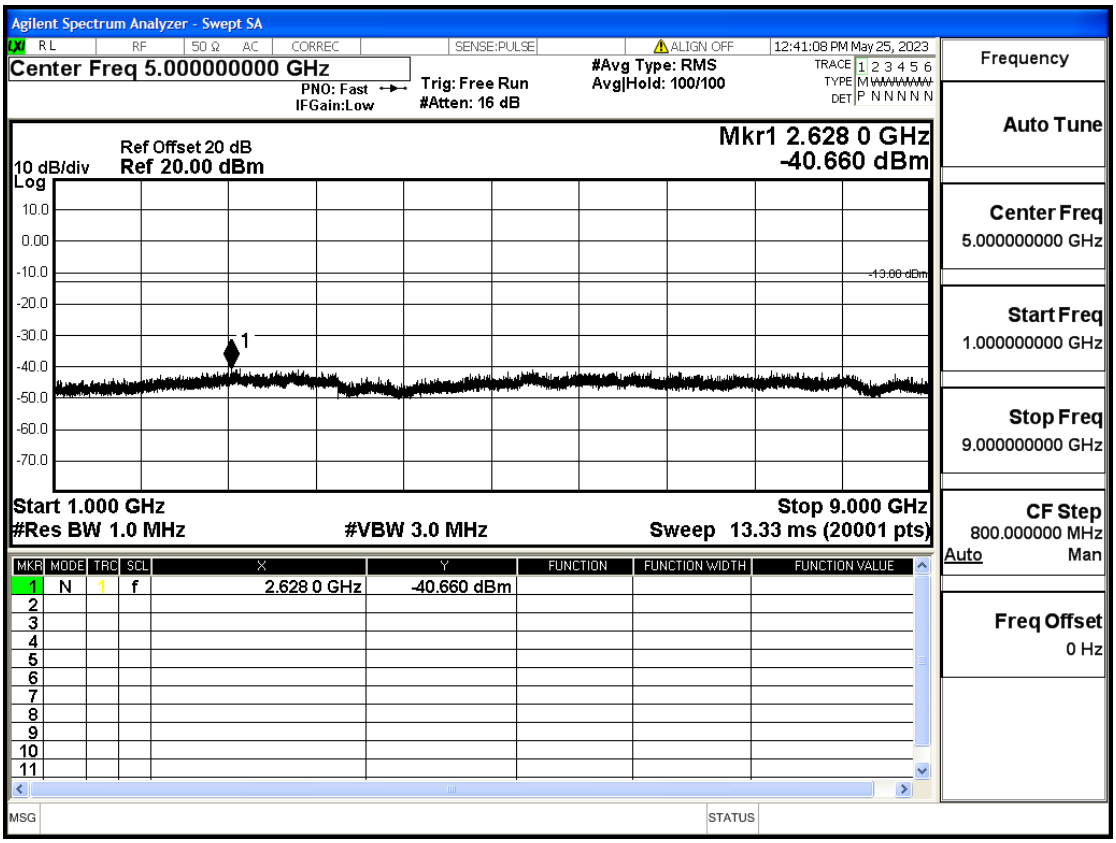
OB5-1.4-848.3-Q16-6#LOW@1GHz-9GHz@Pass



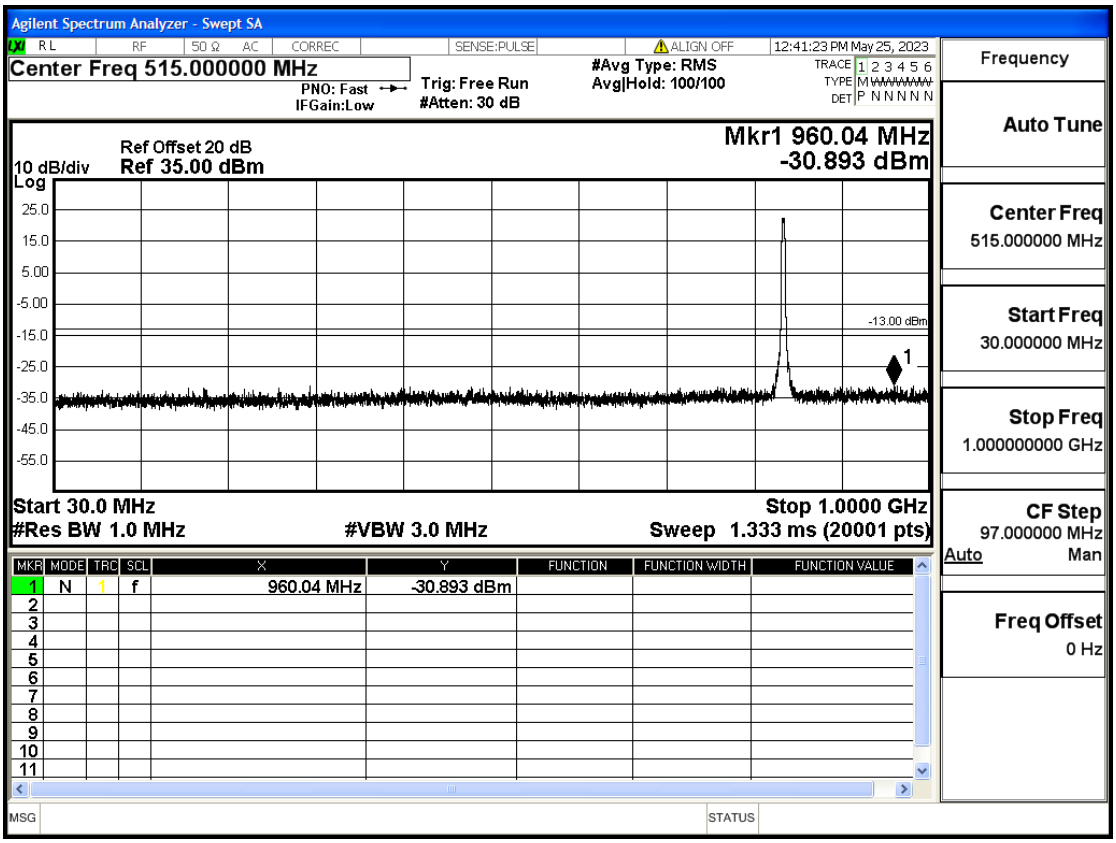
OB5-3-825.5-Q16-15#LOW@30mHz-1GHz@Pass



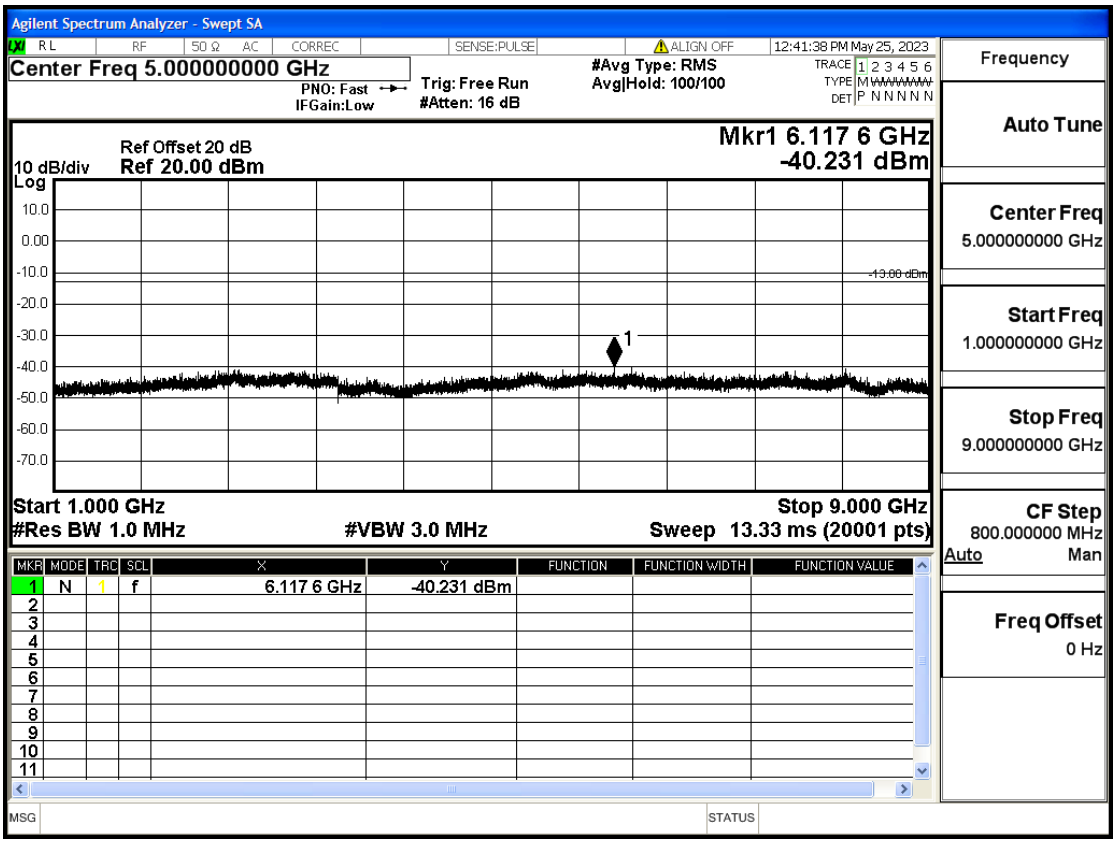
OB5-3-825.5-Q16-15#LOW@1GHz-9GHz@Pass



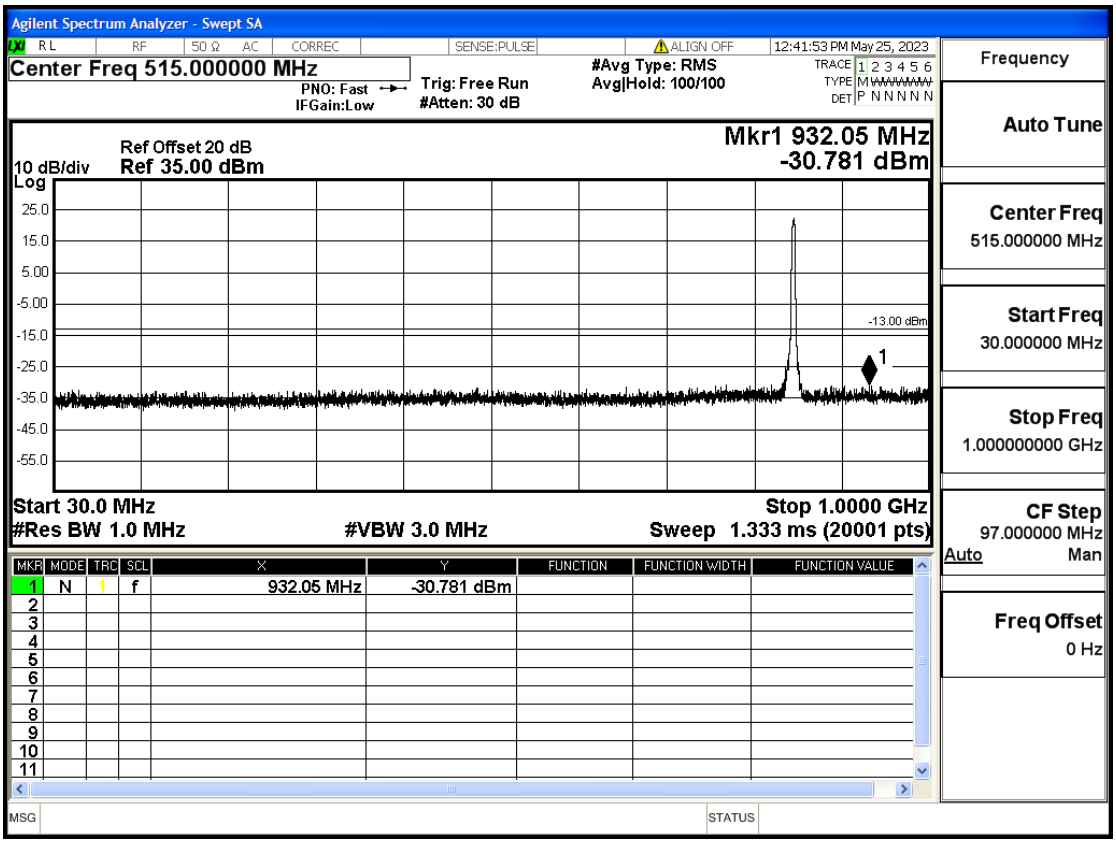
OB5-3-836.5-Q16-15#LOW@30mHz-1GHz@Pass



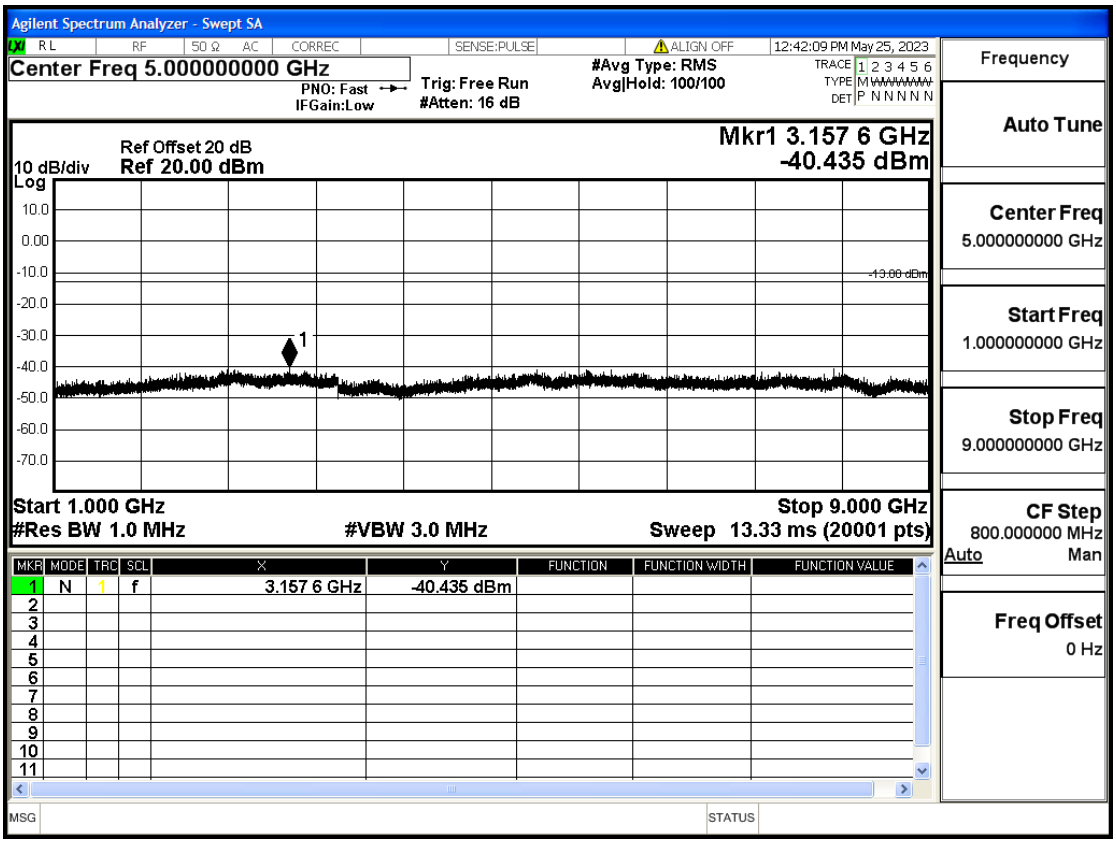
OB5-3-836.5-Q16-15#LOW@1GHz-9GHz@Pass



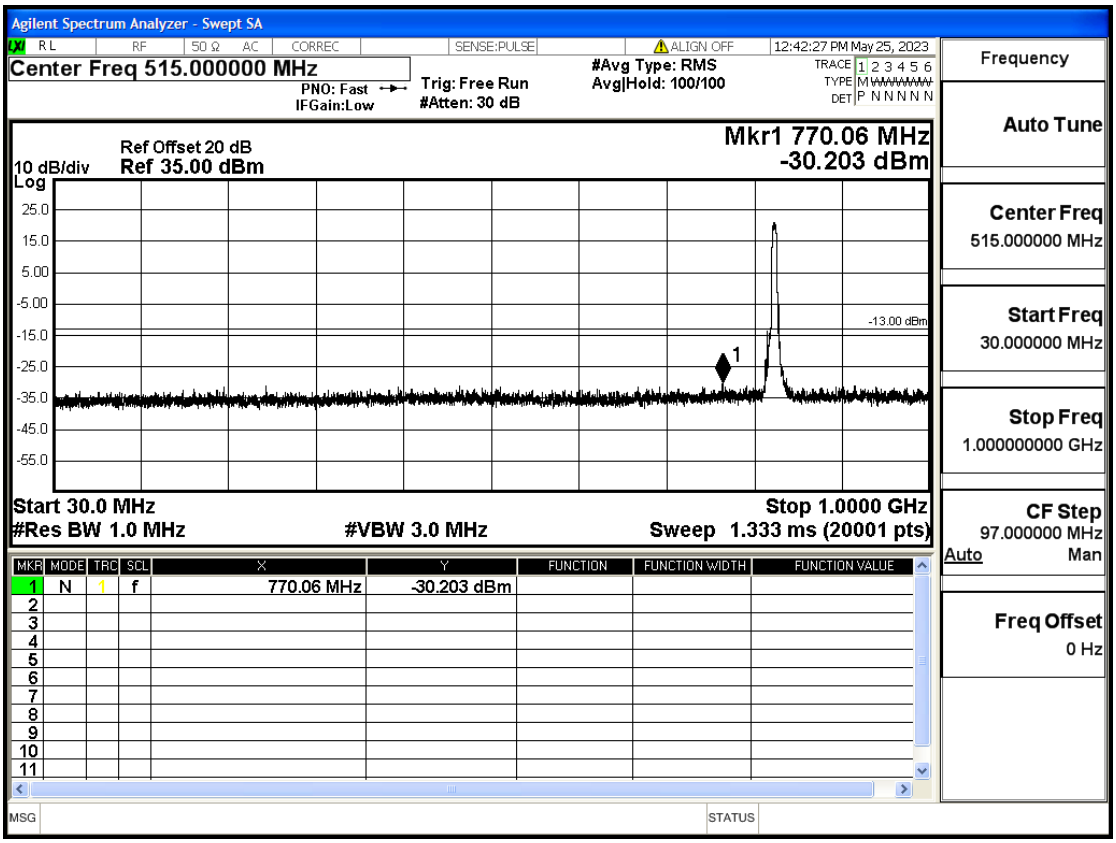
OB5-3-847.5-Q16-15#LOW@30mHz-1GHz@Pass



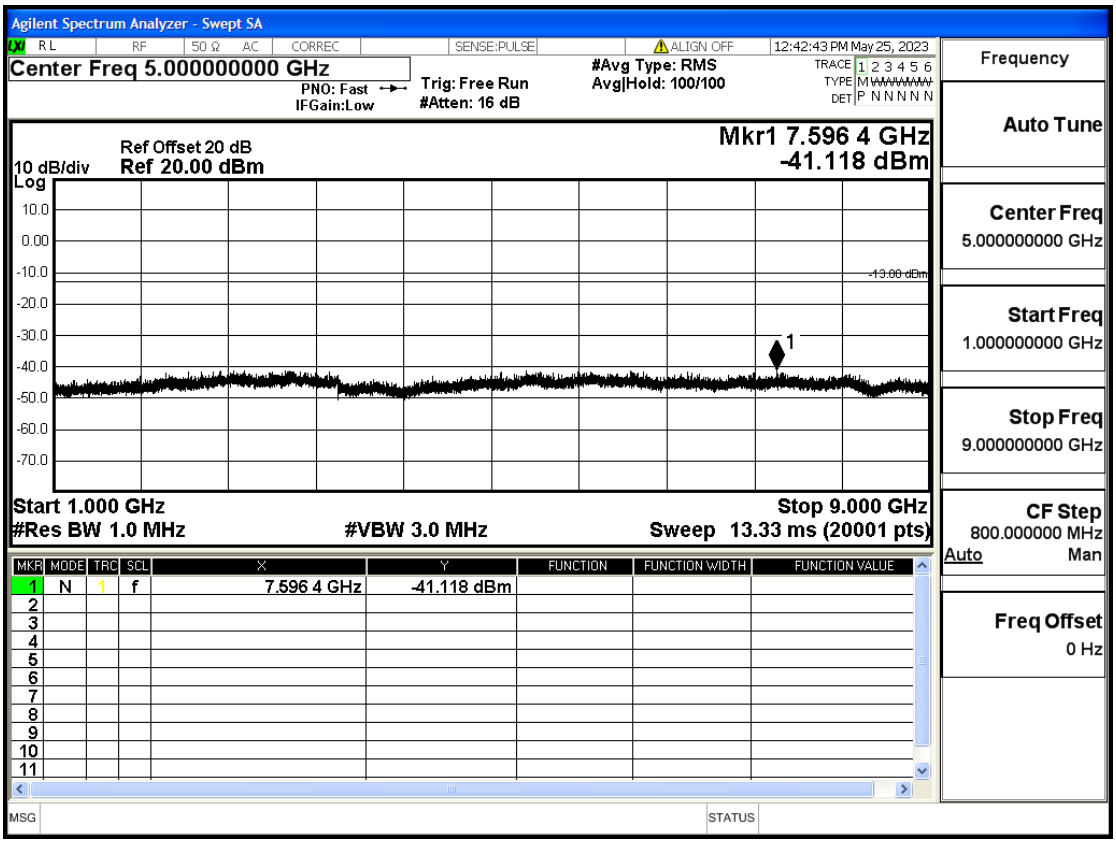
OB5-3-847.5-Q16-15#LOW@1GHz-9GHz@Pass



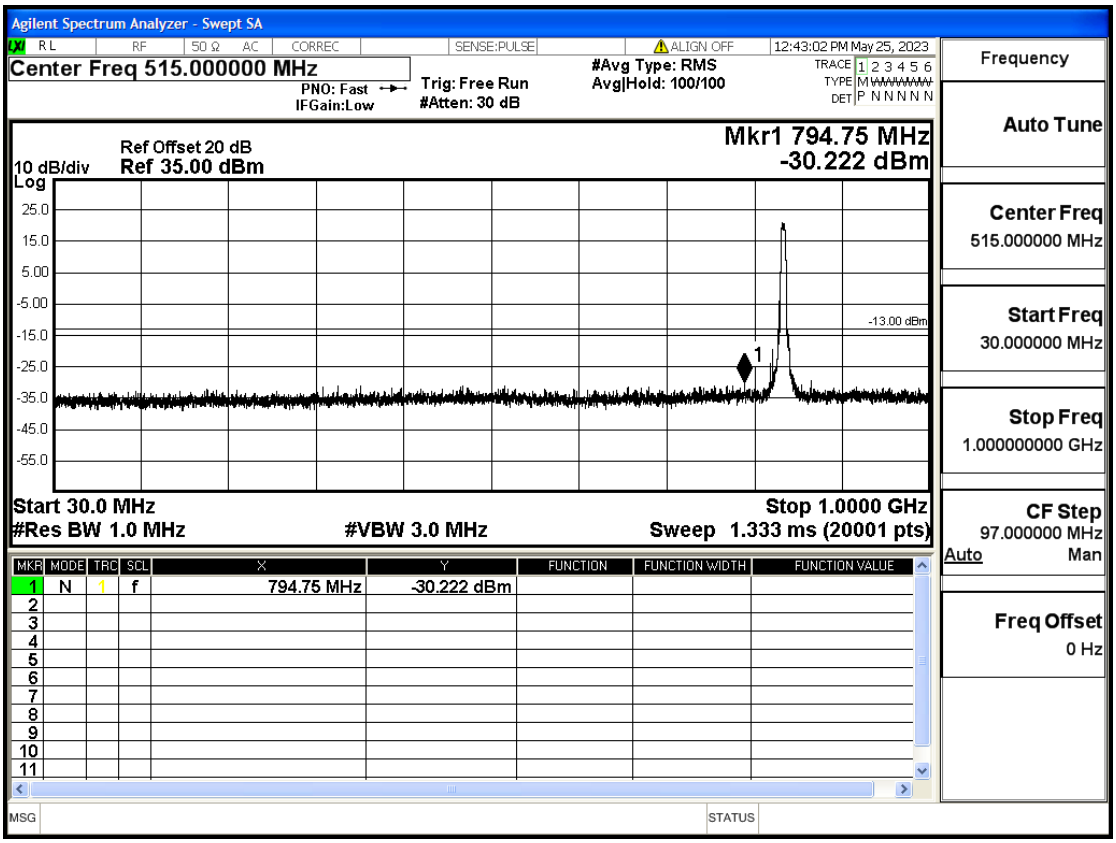
OB5-5-826.5-Q16-25#LOW@30mHz-1GHz@Pass



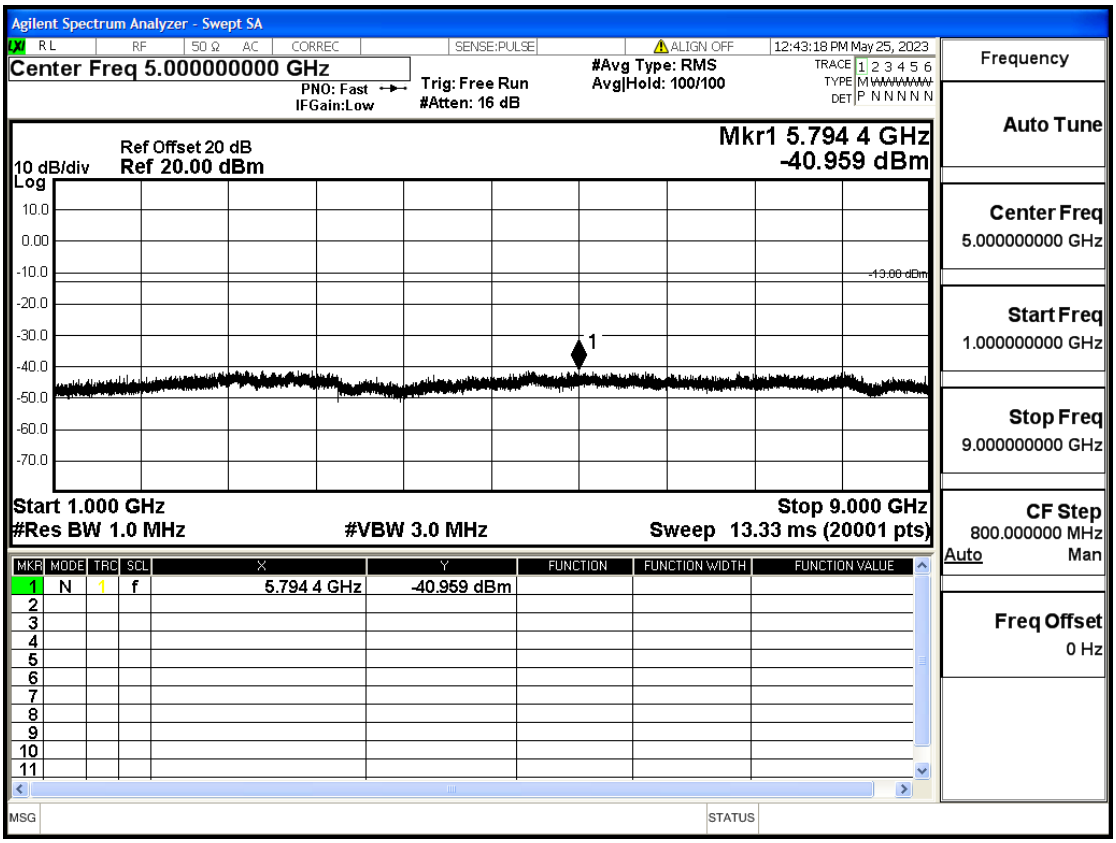
OB5-5-826.5-Q16-25#LOW@1GHz-9GHz@Pass



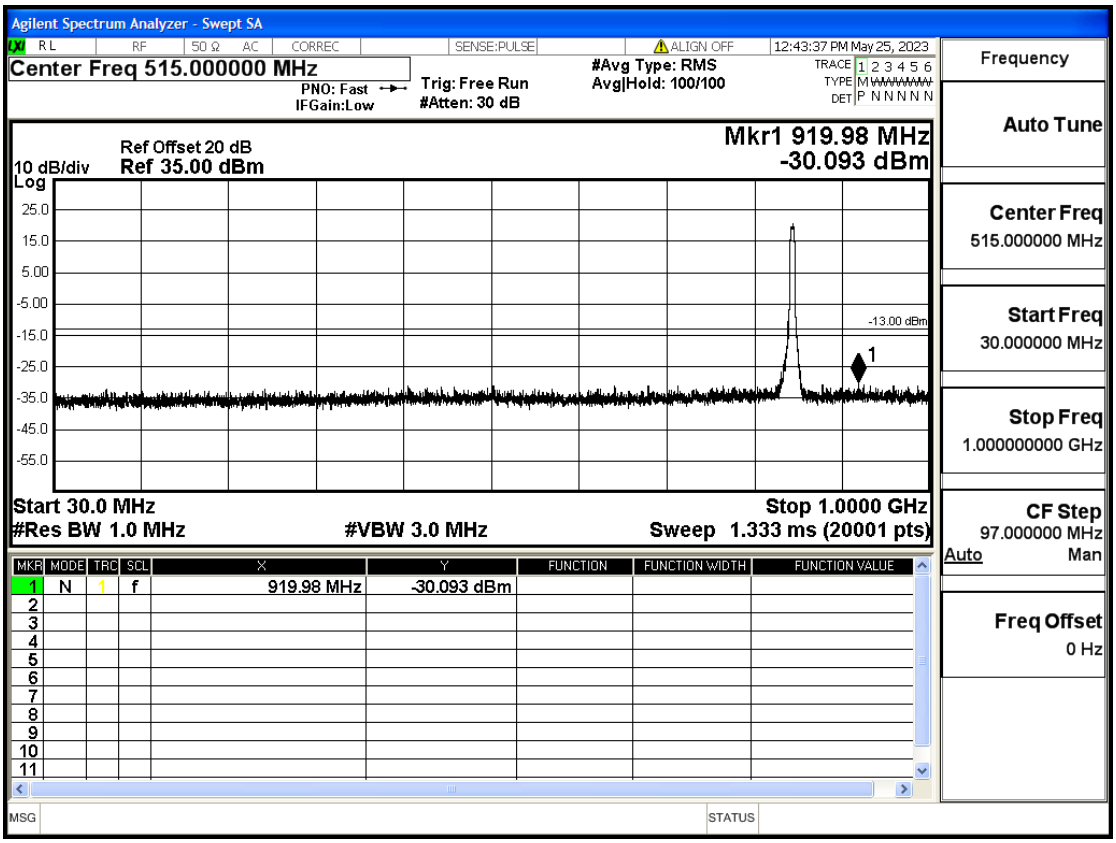
OB5-5-836.5-Q16-25#LOW@30mHz-1GHz@Pass



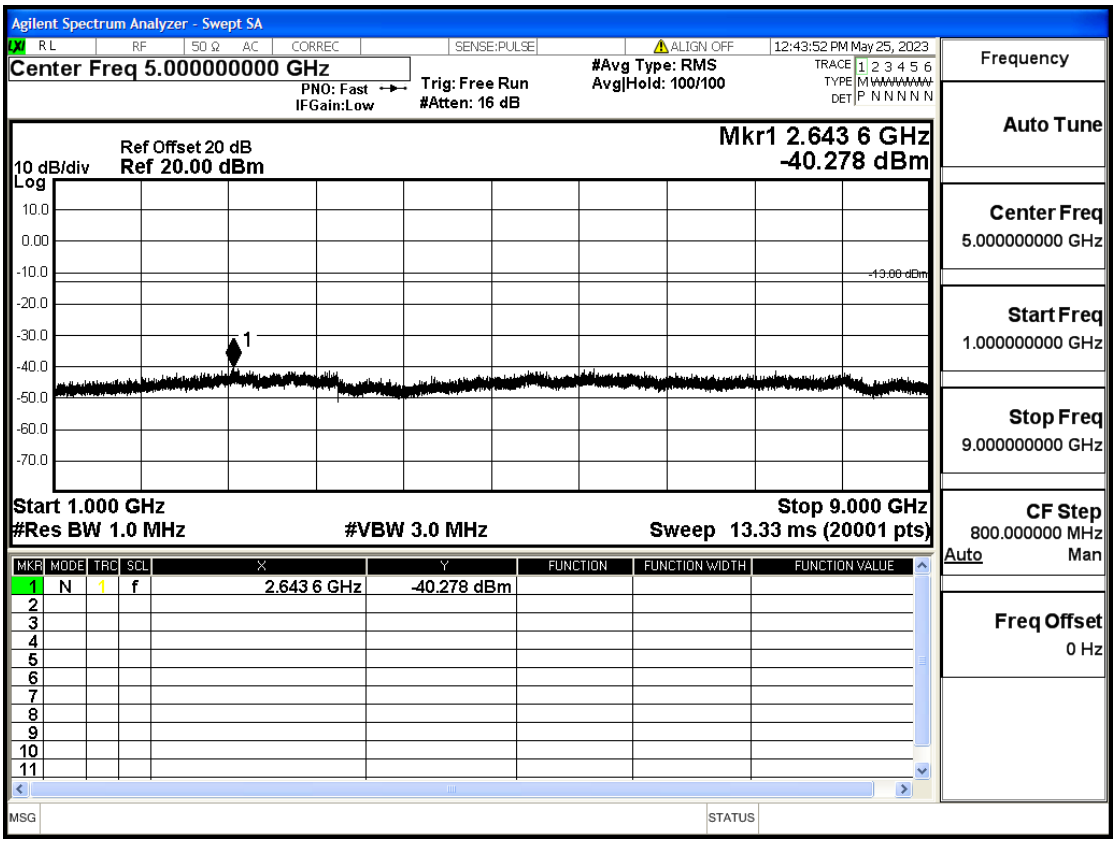
OB5-5-836.5-Q16-25#LOW@1GHz-9GHz@Pass



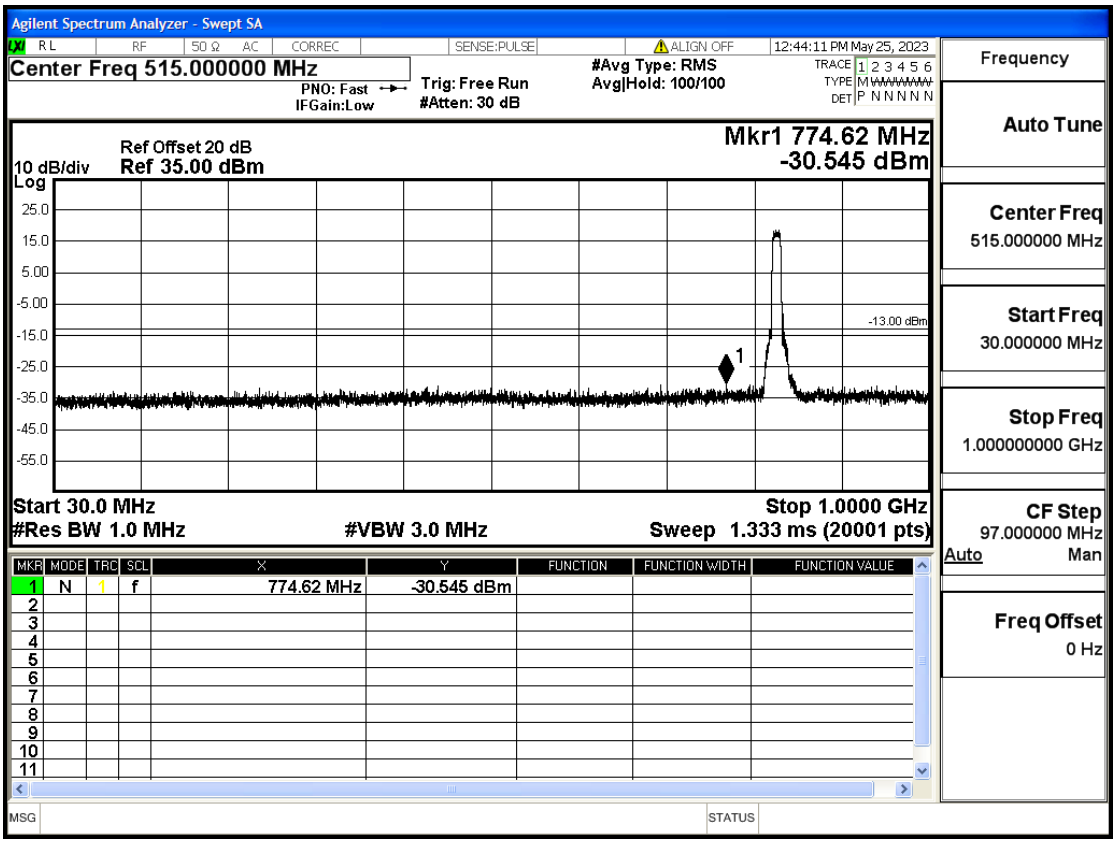
OB5-5-846.5-Q16-25#LOW@30mHz-1GHz@Pass



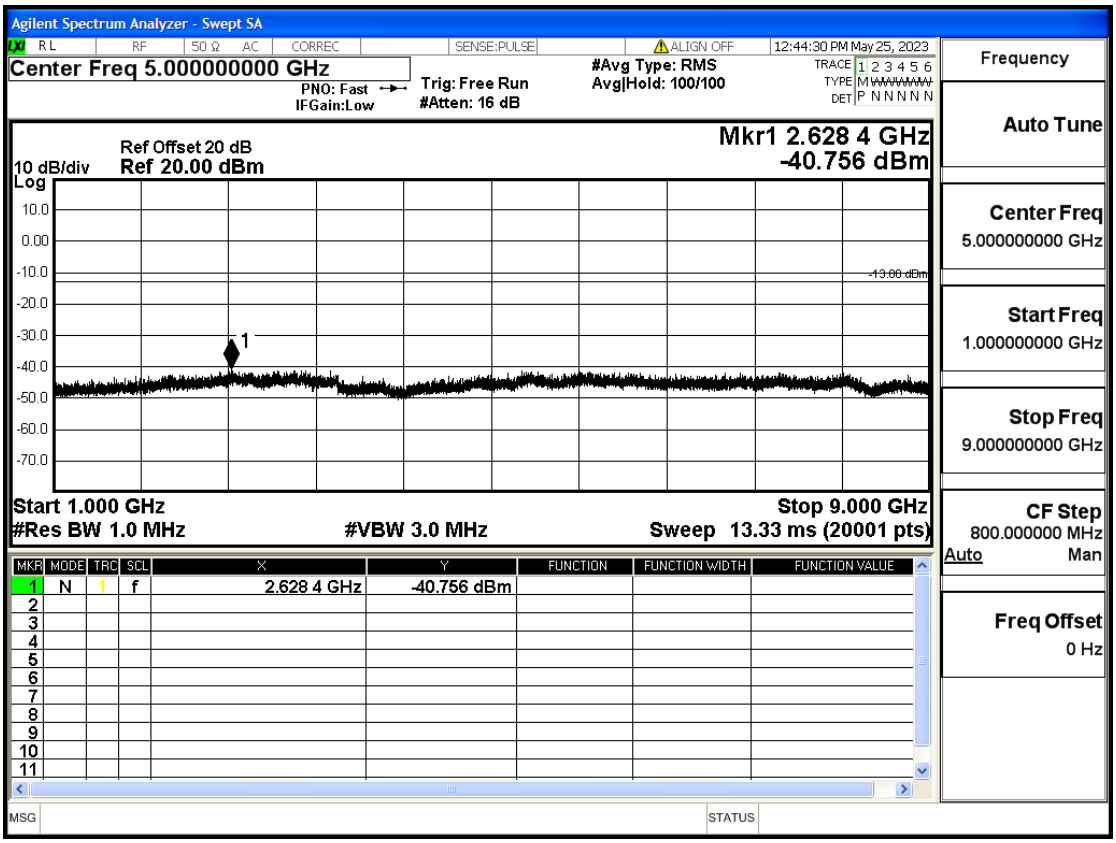
OB5-5-846.5-Q16-25#LOW@1GHz-9GHz@Pass



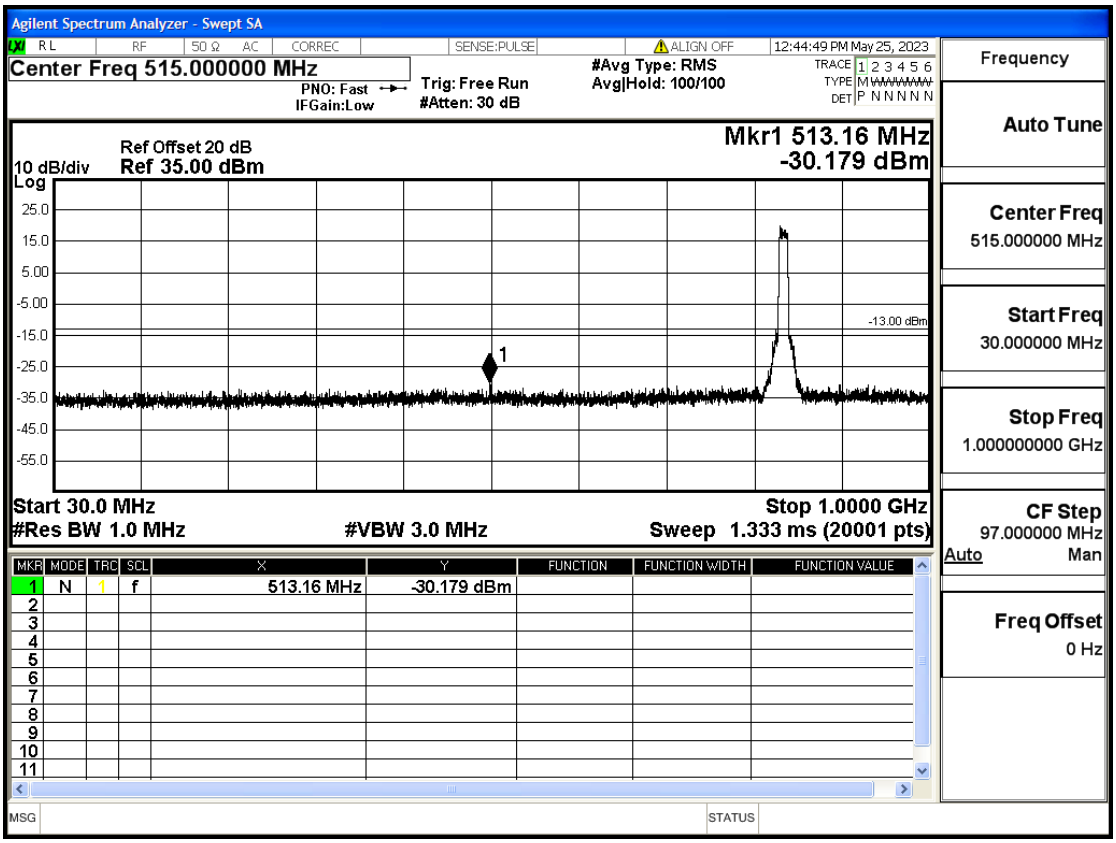
OB5-10-829-Q16-50#LOW@30mHz-1GHz@Pass



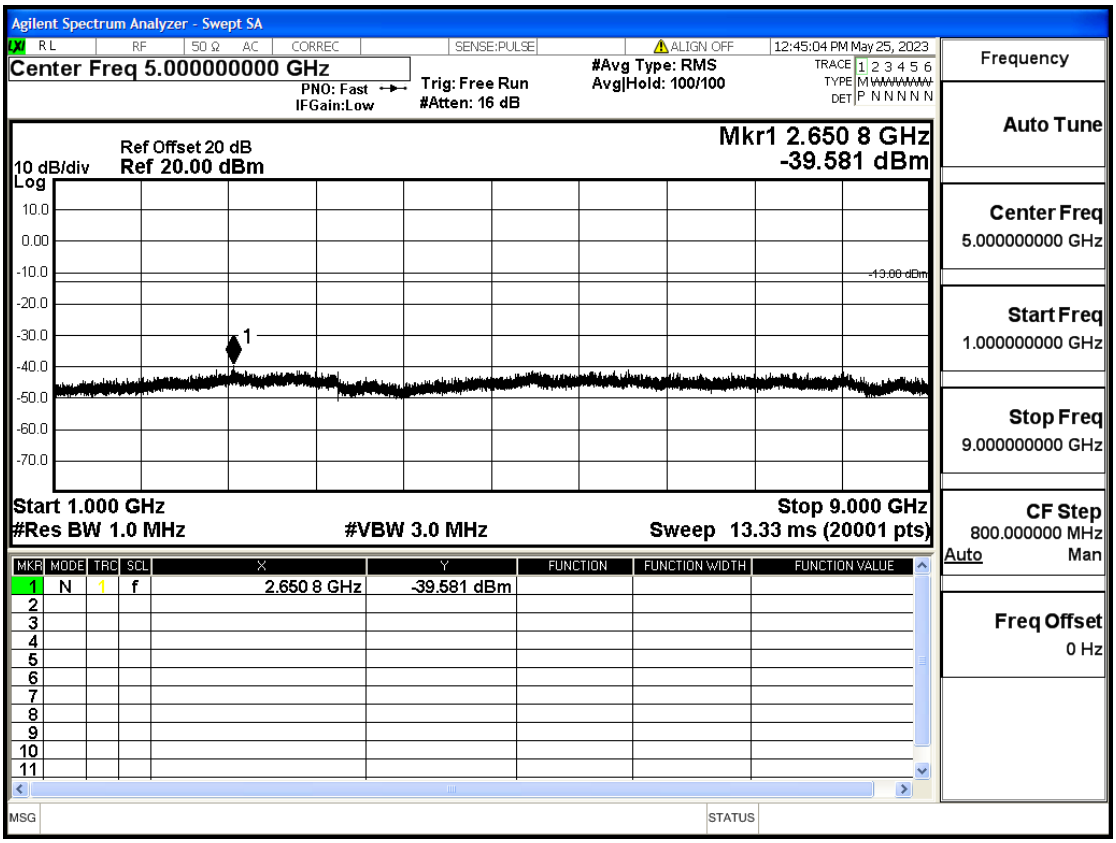
OB5-10-829-Q16-50#LOW@1GHz-9GHz@Pass



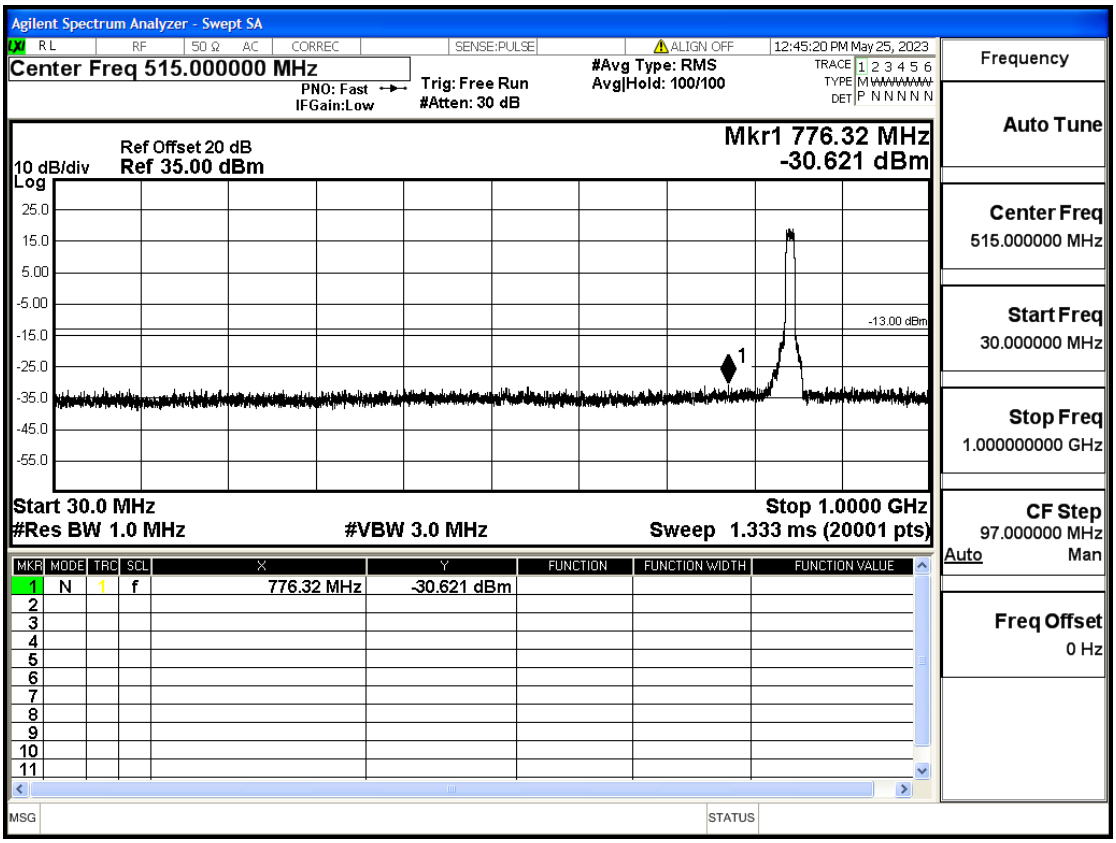
OB5-10-836.5-Q16-50#LOW@30mHz-1GHz@Pass



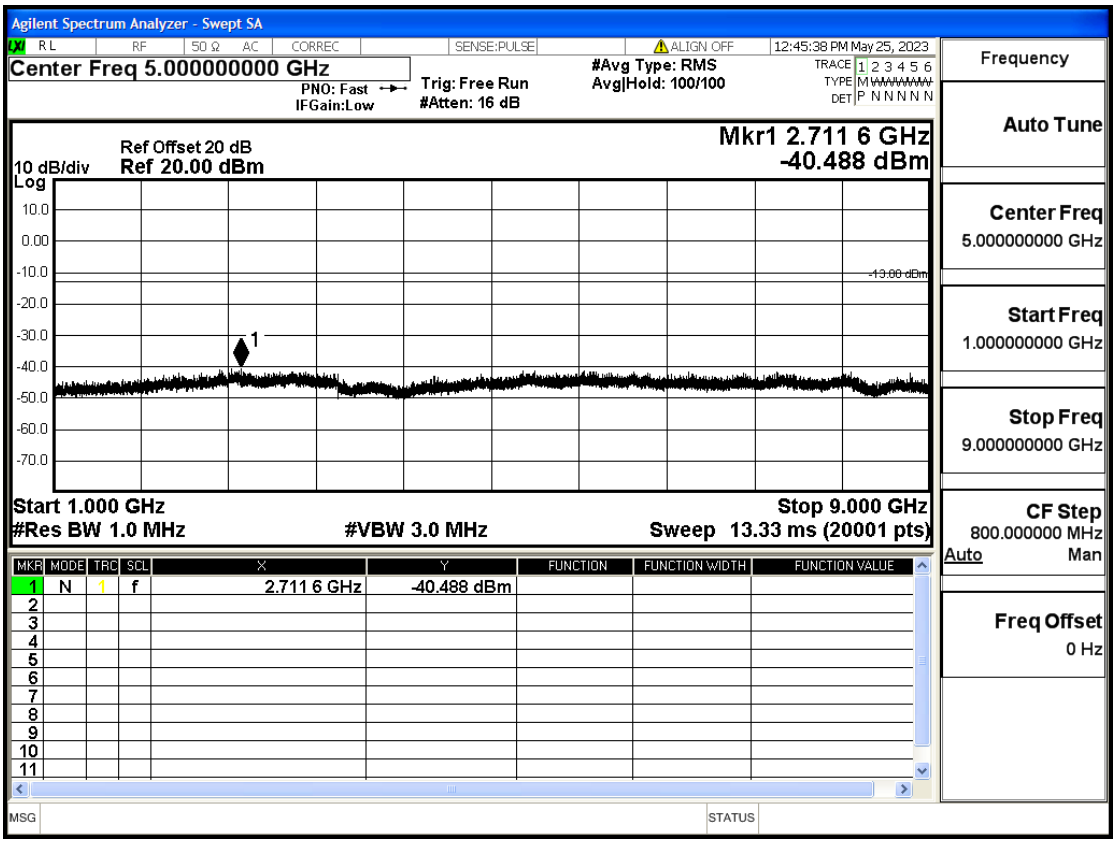
OB5-10-836.5-Q16-50#LOW@1GHz-9GHz@Pass



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



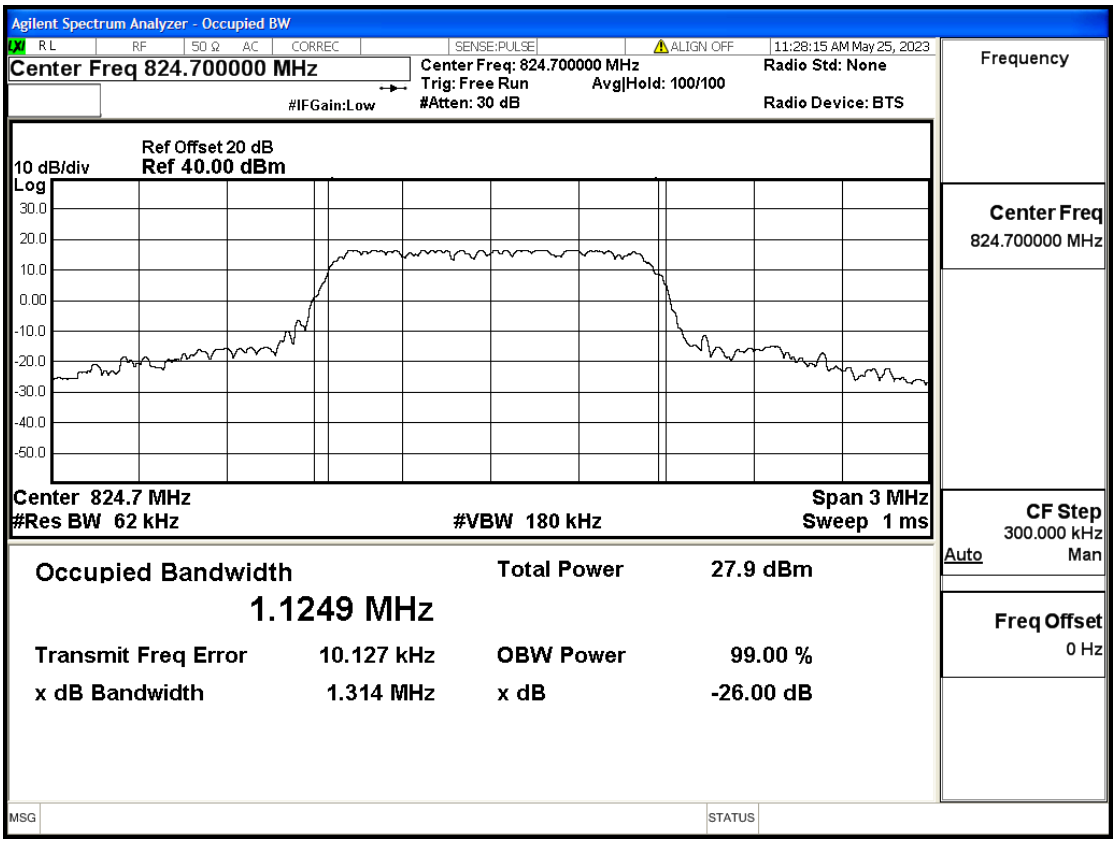
OB5-10-844-Q16-50#LOW@1GHz-9GHz@Pass



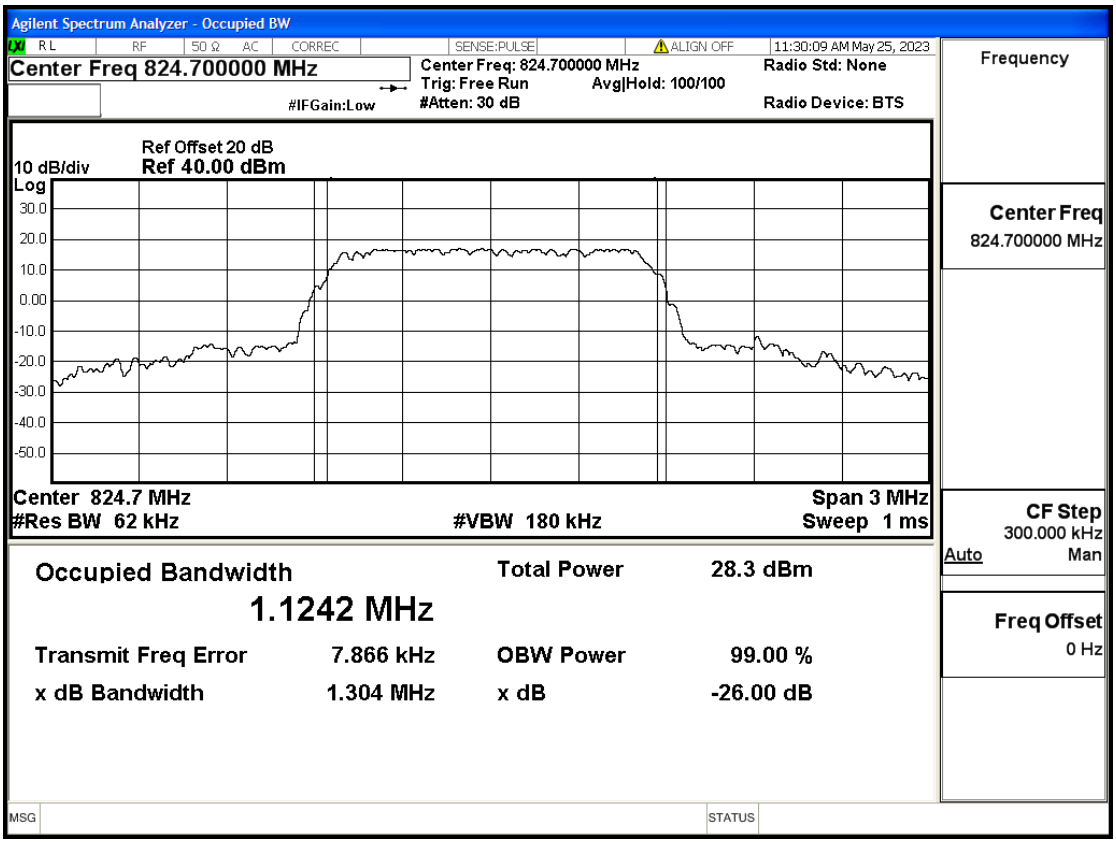
Emission bandwidth and OBW

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	1124.9	1314	No limit
Band5	1.4	824.7	16QAM	6	LOW	1124.2	1304	No limit
Band5	1.4	836.5	QPSK	6	LOW	1115.5	1350	No limit
Band5	1.4	836.5	16QAM	6	LOW	1115.9	1299	No limit
Band5	1.4	848.3	QPSK	6	LOW	1112.5	1294	No limit
Band5	1.4	848.3	16QAM	6	LOW	1106.9	1290	No limit
Band5	3	825.5	QPSK	15	LOW	2760.2	3142	No limit
Band5	3	825.5	16QAM	15	LOW	2758.8	3086	No limit
Band5	3	836.5	QPSK	15	LOW	2770.7	3190	No limit
Band5	3	836.5	16QAM	15	LOW	2762	3171	No limit
Band5	3	847.5	QPSK	15	LOW	2744.2	3111	No limit
Band5	3	847.5	16QAM	15	LOW	2757.1	3108	No limit
Band5	5	826.5	QPSK	25	LOW	4550.3	4913	No limit
Band5	5	826.5	16QAM	25	LOW	4582.5	5777	No limit
Band5	5	836.5	QPSK	25	LOW	4585.9	5221	No limit
Band5	5	836.5	16QAM	25	LOW	4584.1	5783	No limit
Band5	5	846.5	QPSK	25	LOW	4570.2	5564	No limit
Band5	5	846.5	16QAM	25	LOW	4571.1	5495	No limit
Band5	10	829	QPSK	50	LOW	9106.3	10290	No limit
Band5	10	829	16QAM	50	LOW	9124.4	10240	No limit
Band5	10	836.5	QPSK	50	LOW	9070.8	10330	No limit
Band5	10	836.5	16QAM	50	LOW	9080.5	10380	No limit
Band5	10	844	QPSK	50	LOW	9096.7	10350	No limit
Band5	10	844	16QAM	50	LOW	9109.3	10370	No limit

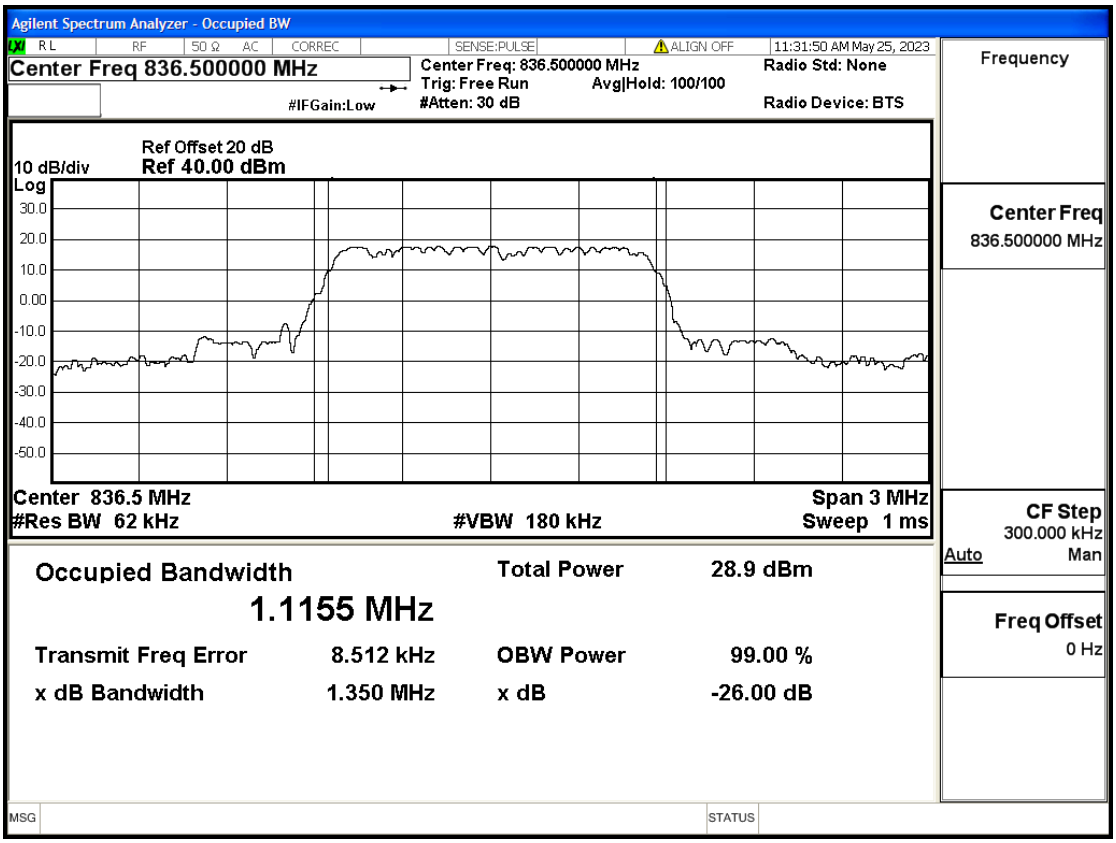
Band5-1.4-824.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



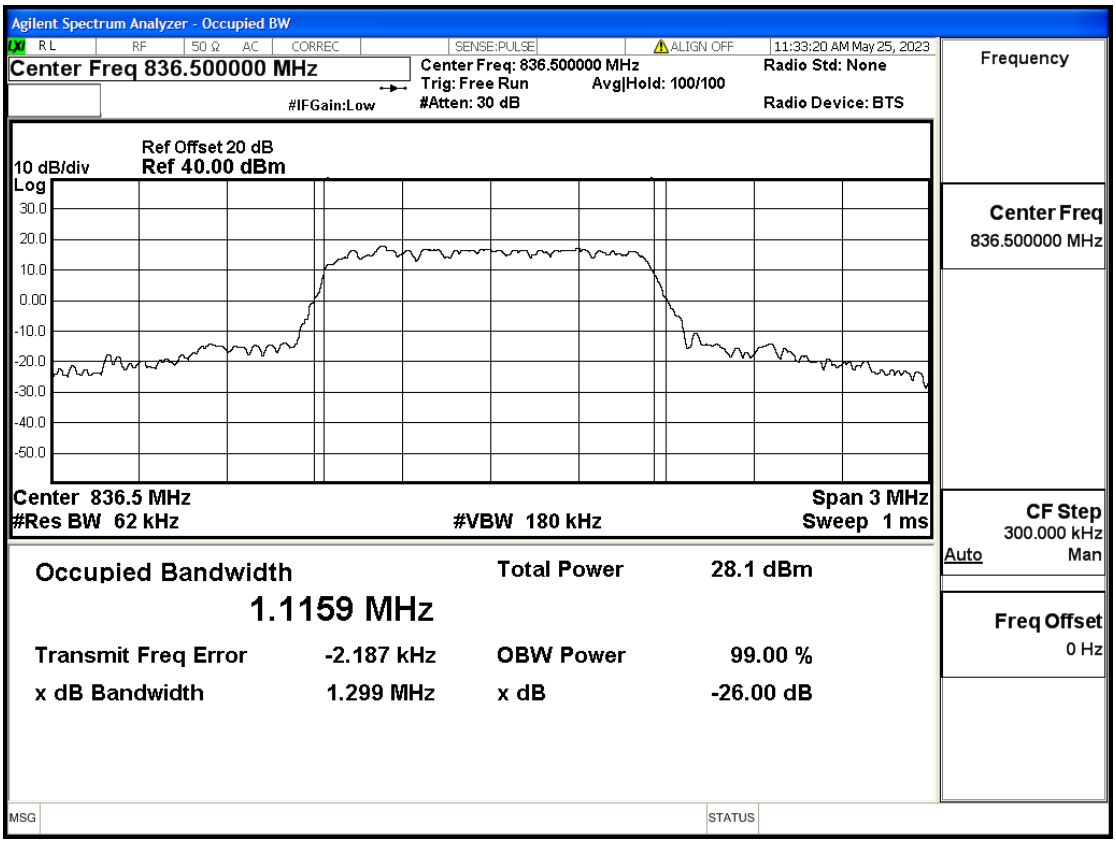
Band5-1.4-824.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



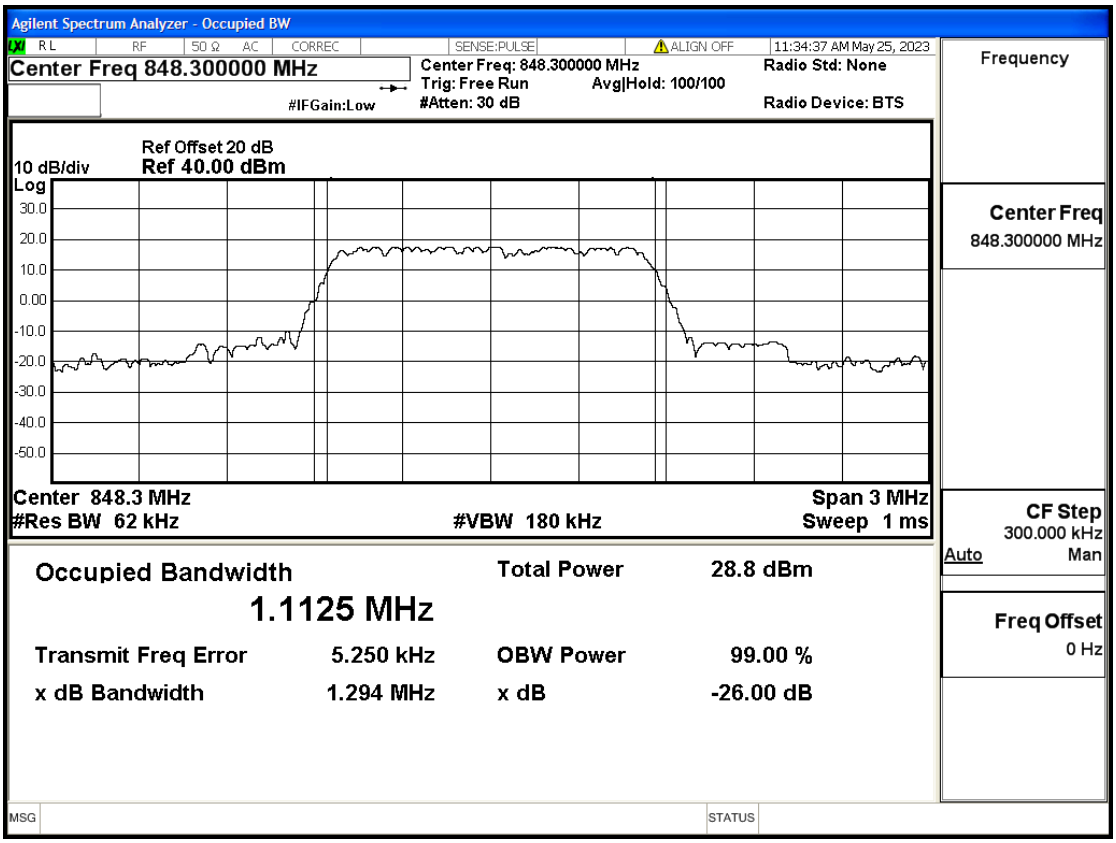
Band5-1.4-836.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



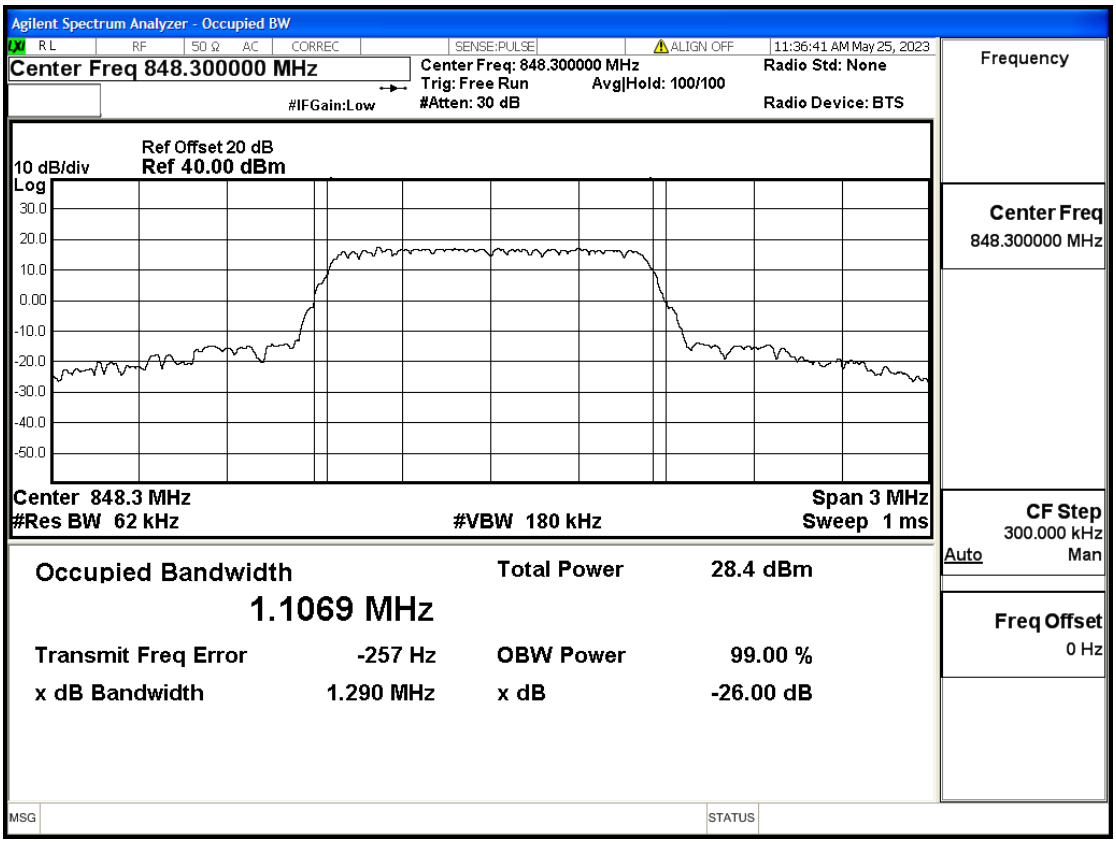
Band5-1.4-836.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



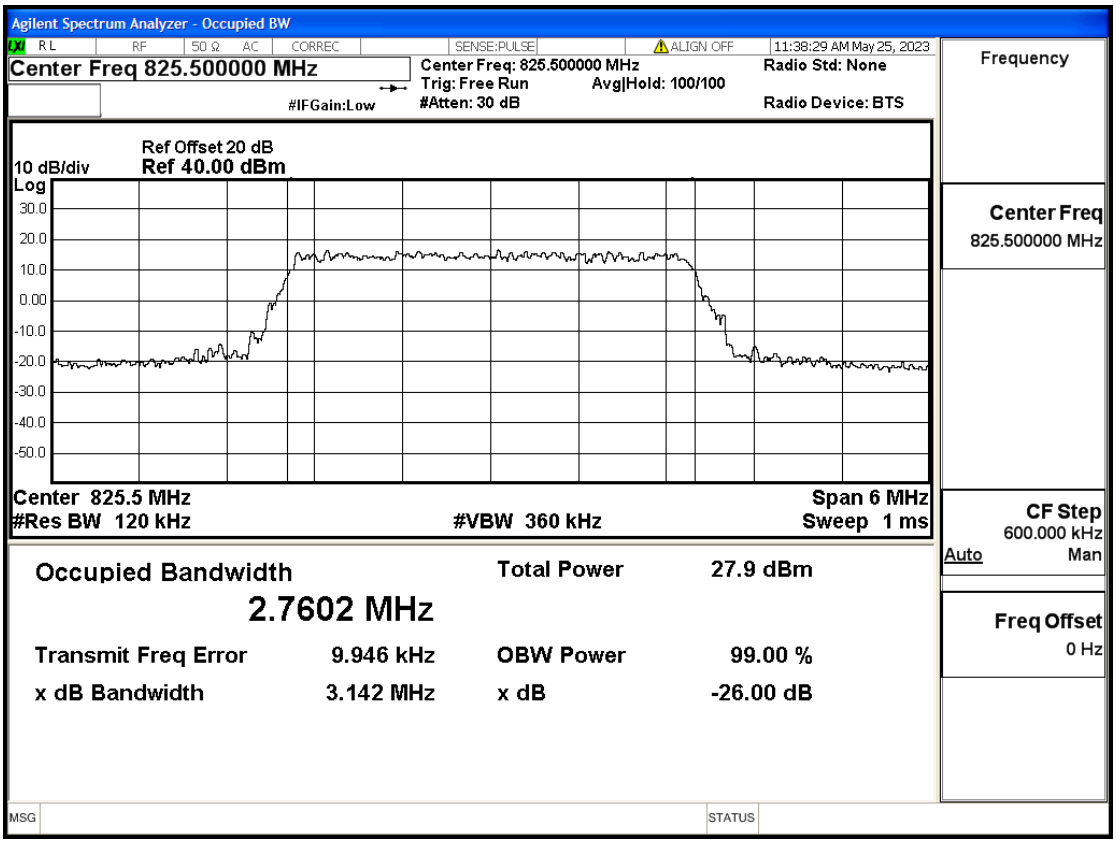
Band5-1.4-848.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



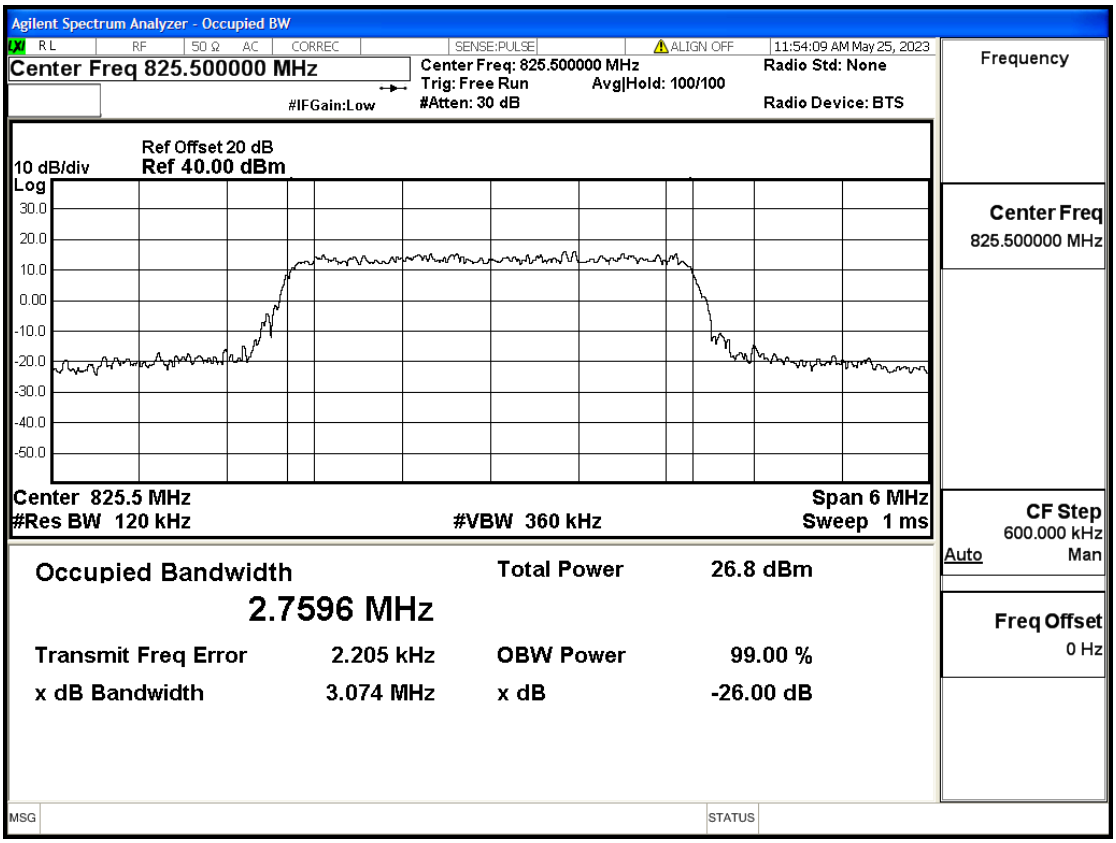
Band5-1.4-848.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



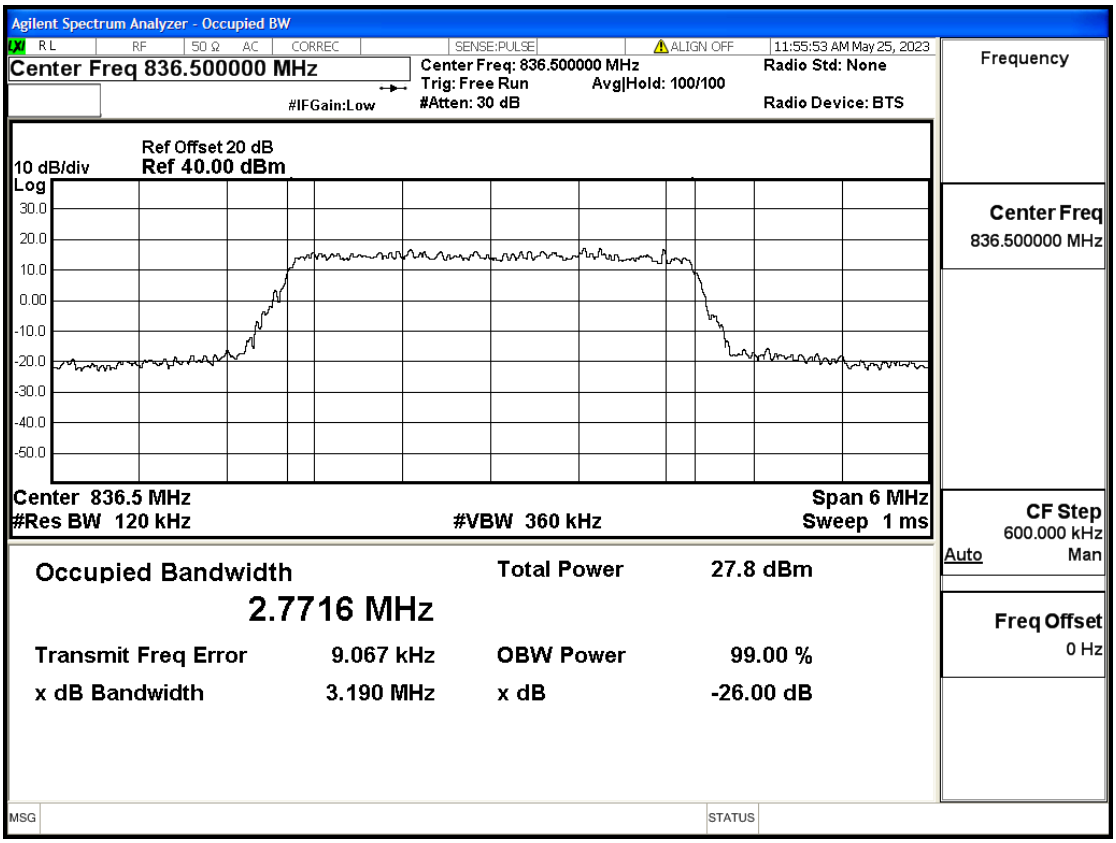
Band5-3-825.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



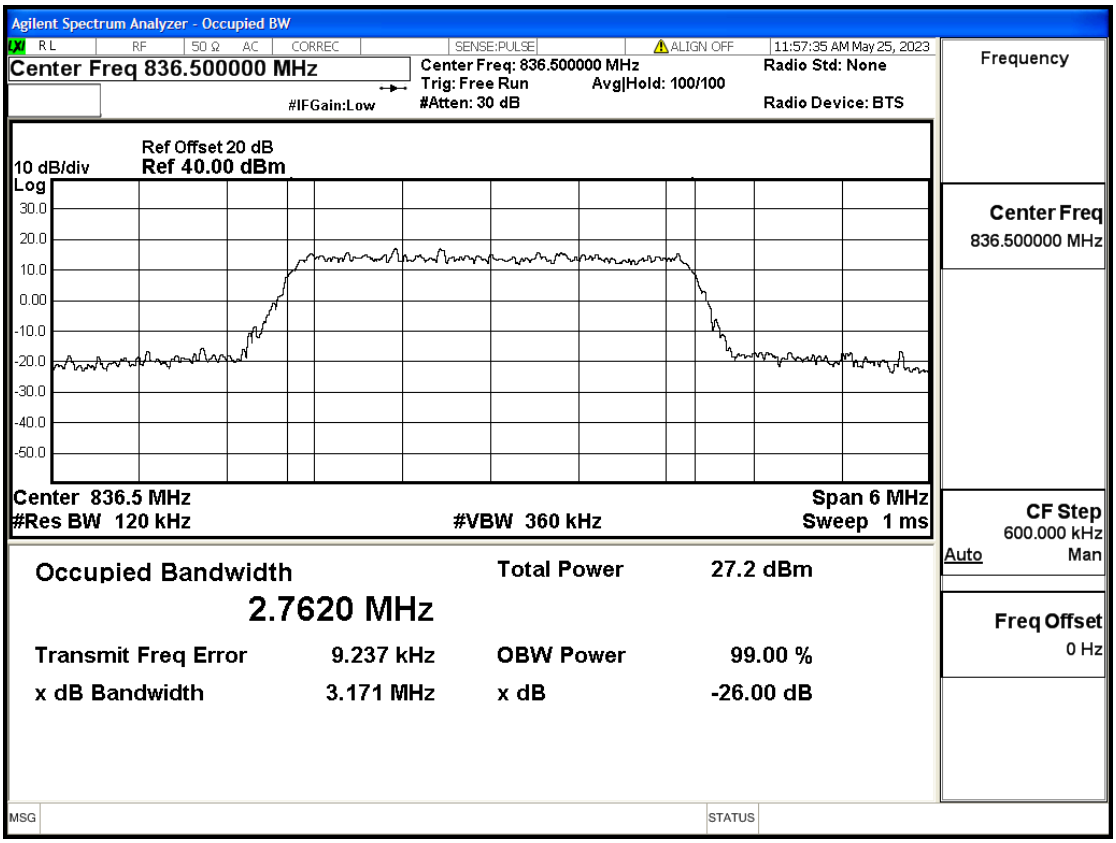
Band5-3-825.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



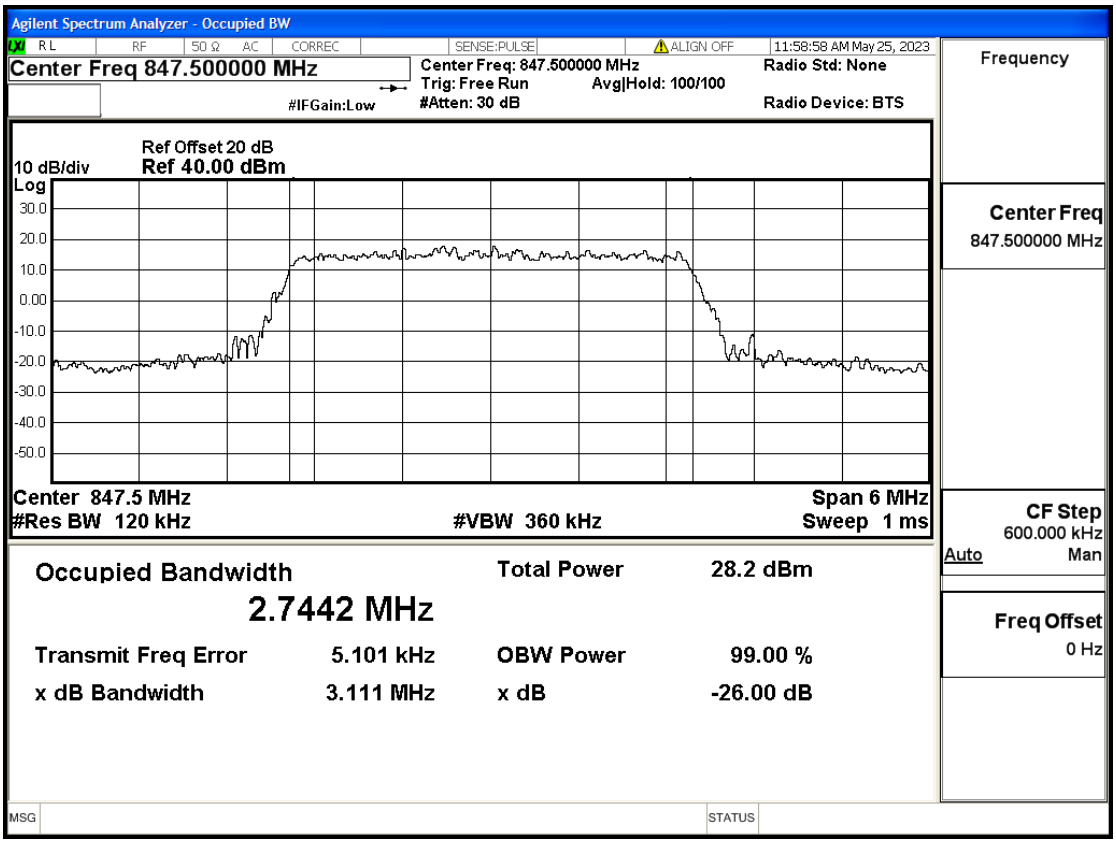
Band5-3-836.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



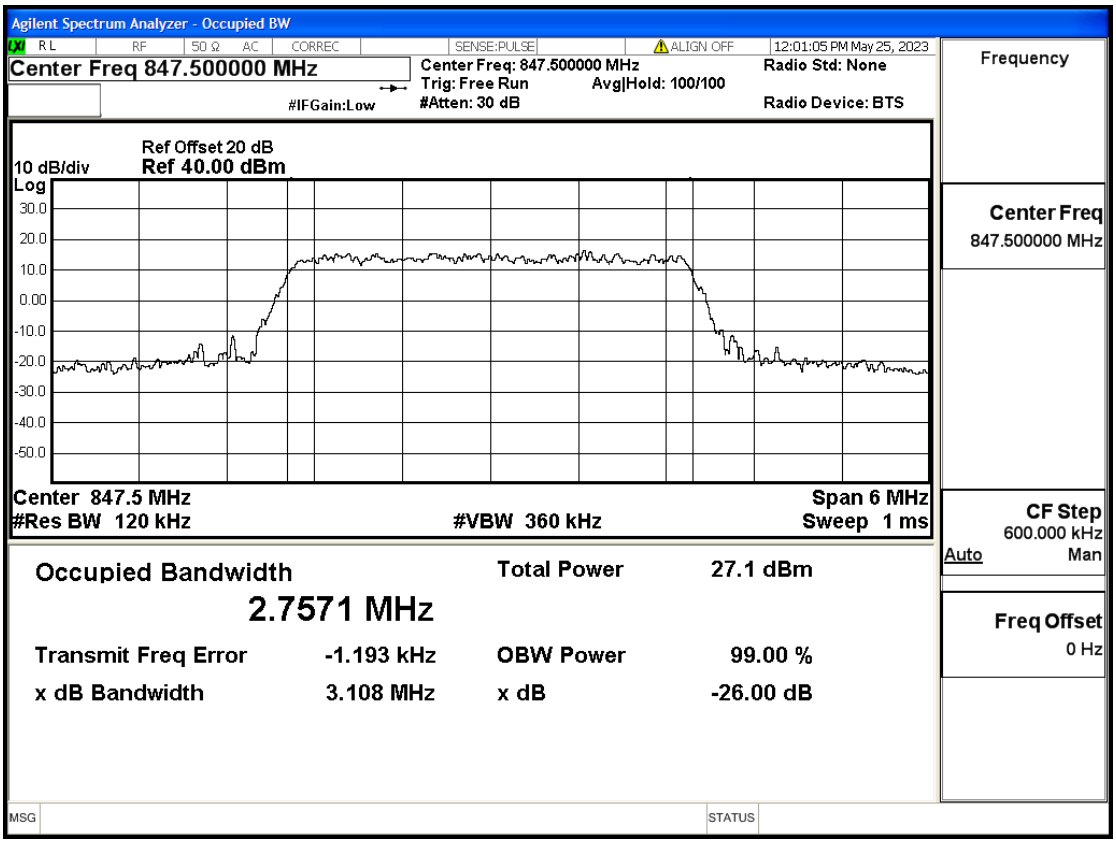
Band5-3-836.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



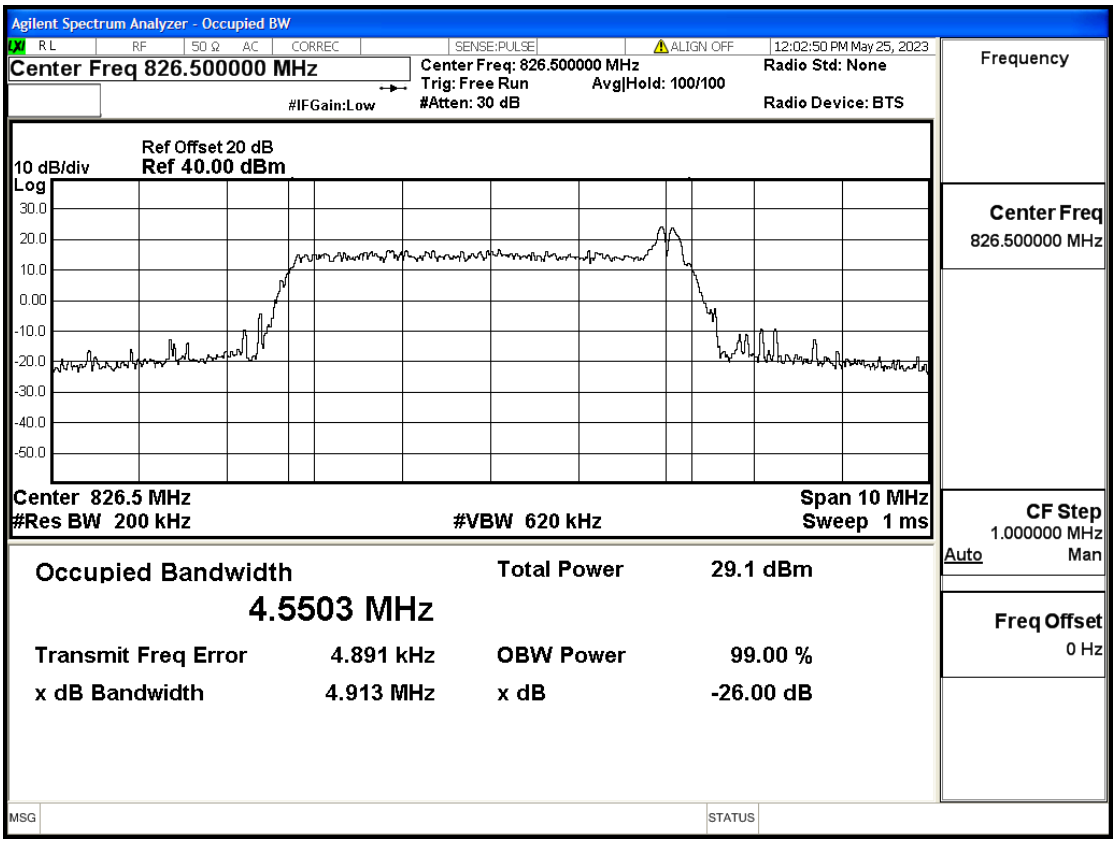
Band5-3-847.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



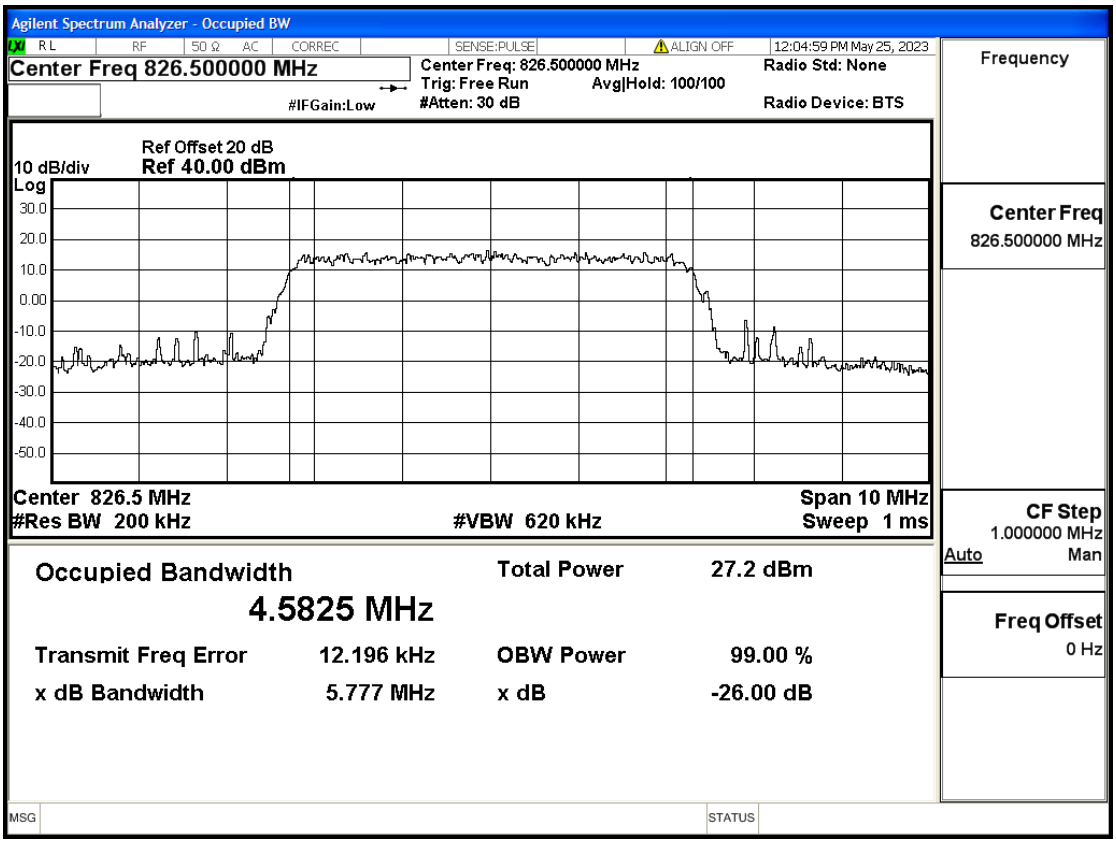
Band5-3-847.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



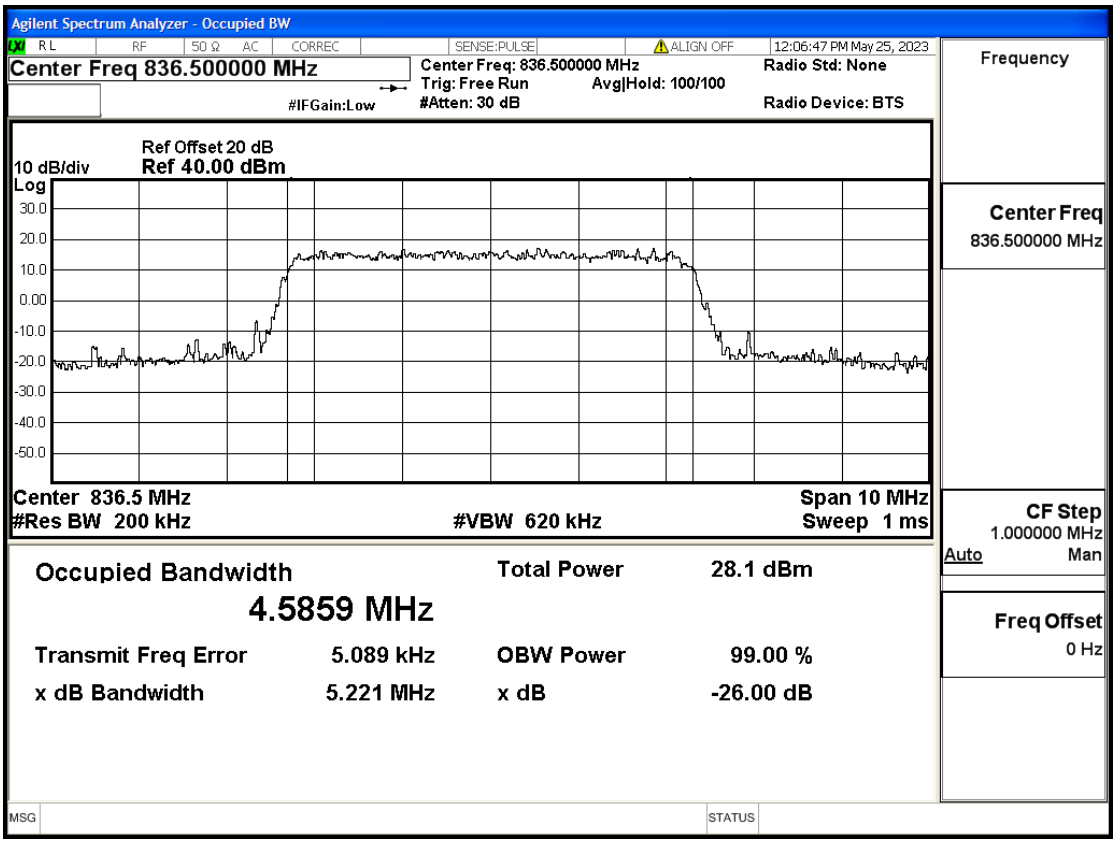
Band5-5-826.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



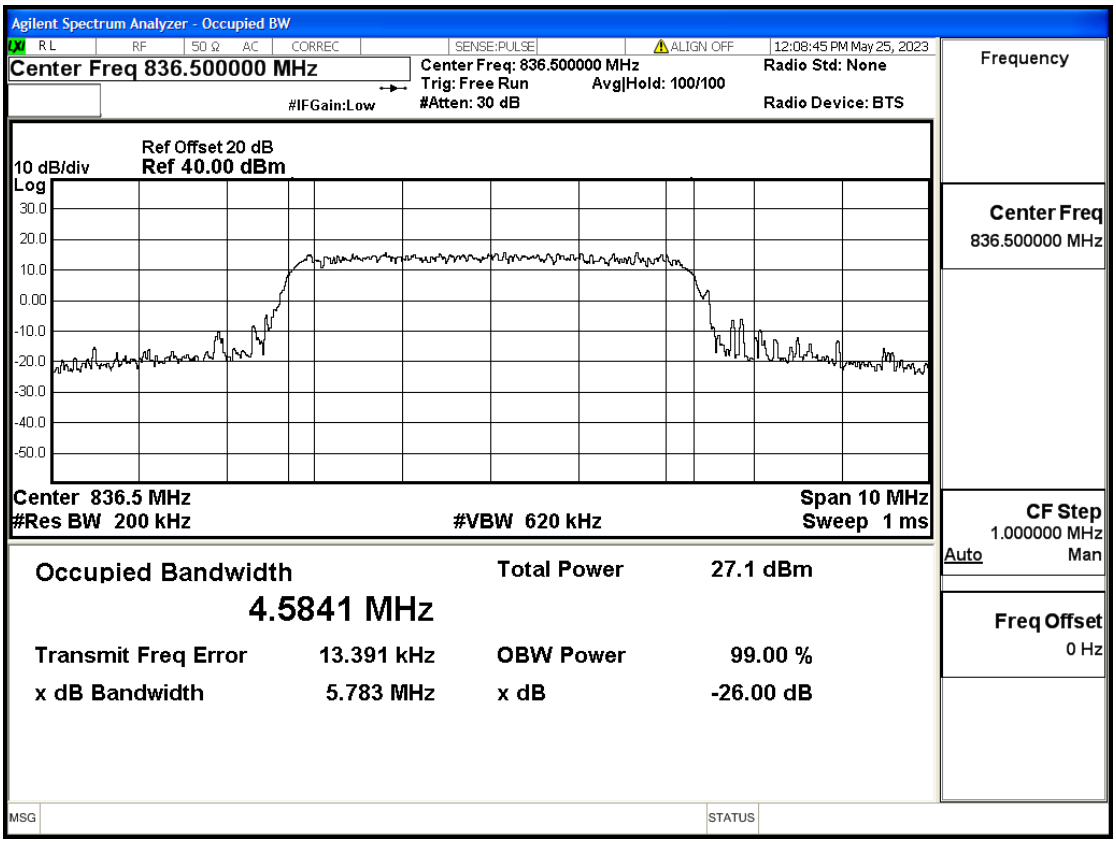
Band5-5-826.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



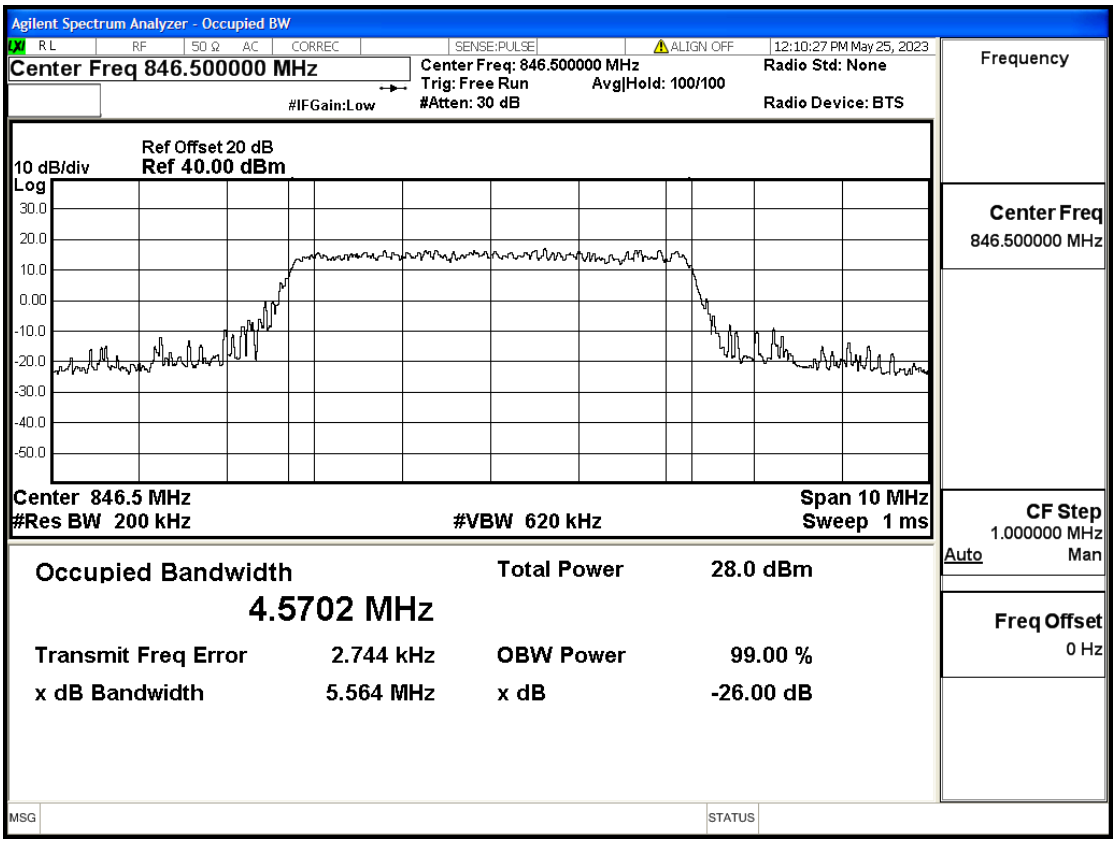
Band5-5-836.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



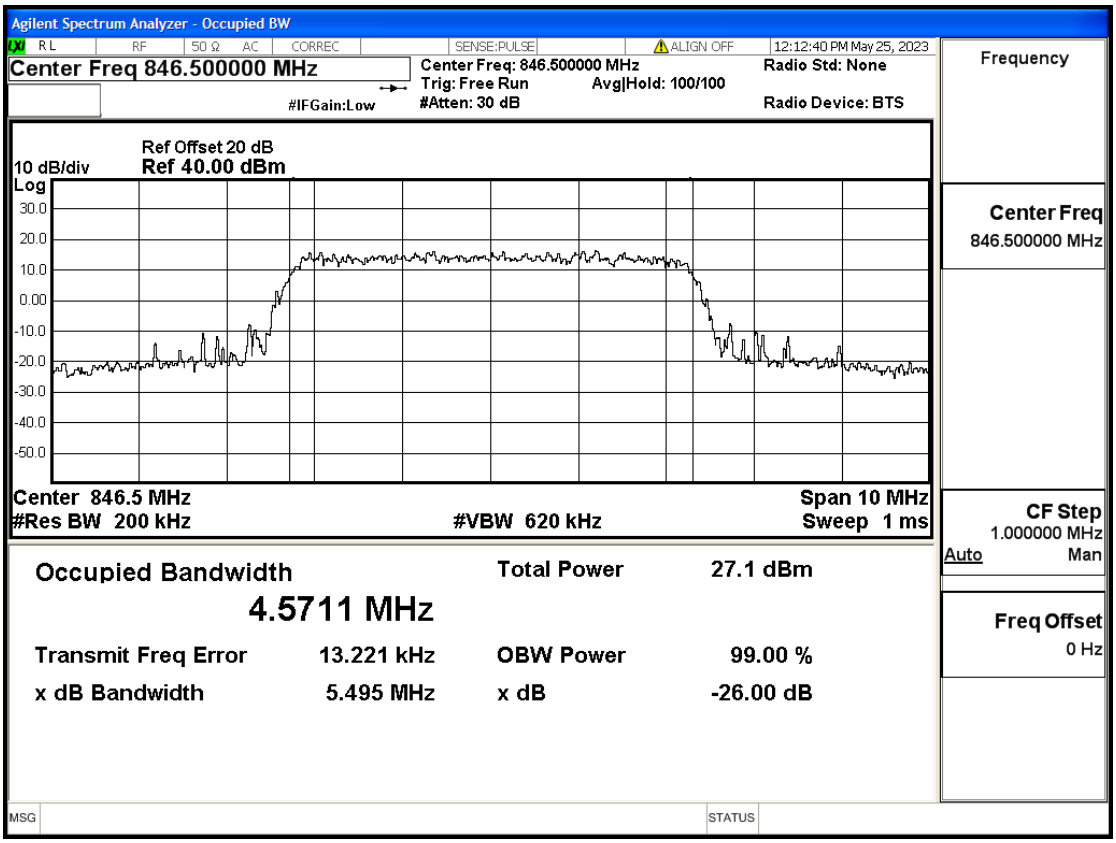
Band5-5-836.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



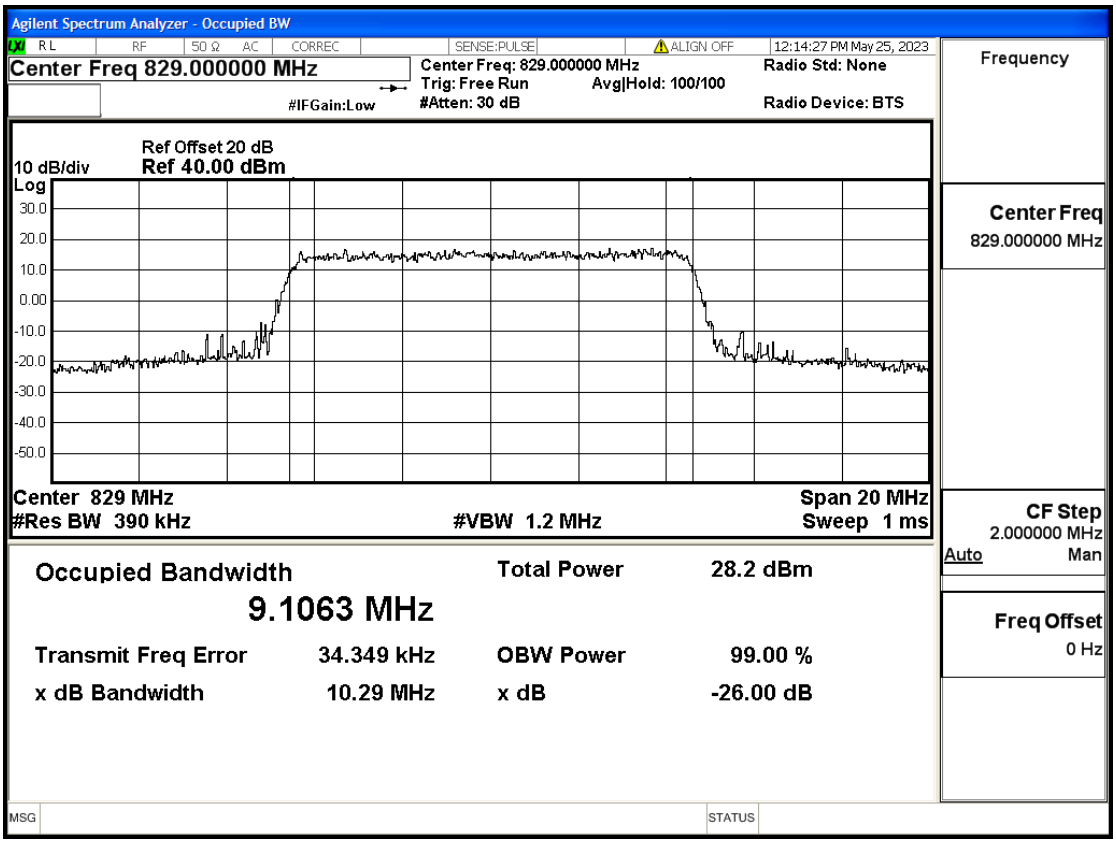
Band5-5-846.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



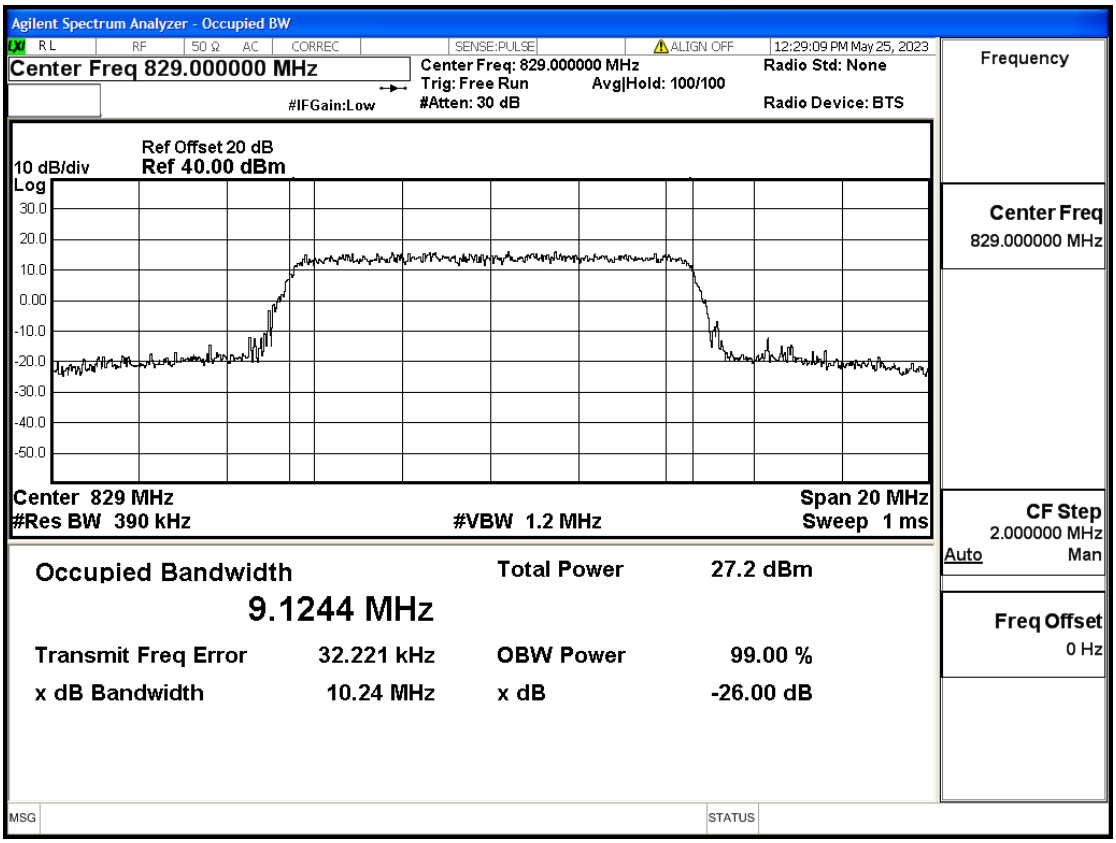
Band5-5-846.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



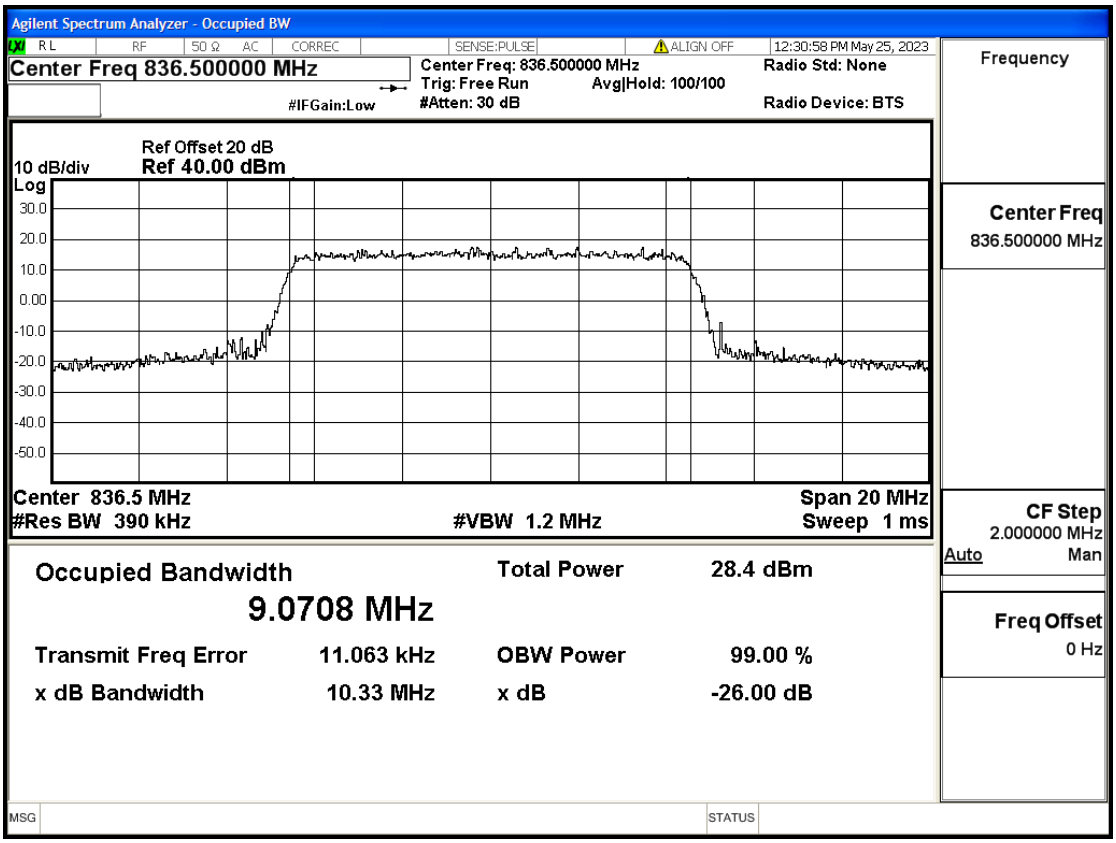
Band5-10-829-QPSK-50#LOW@26dB and 99PCT Bandwidth



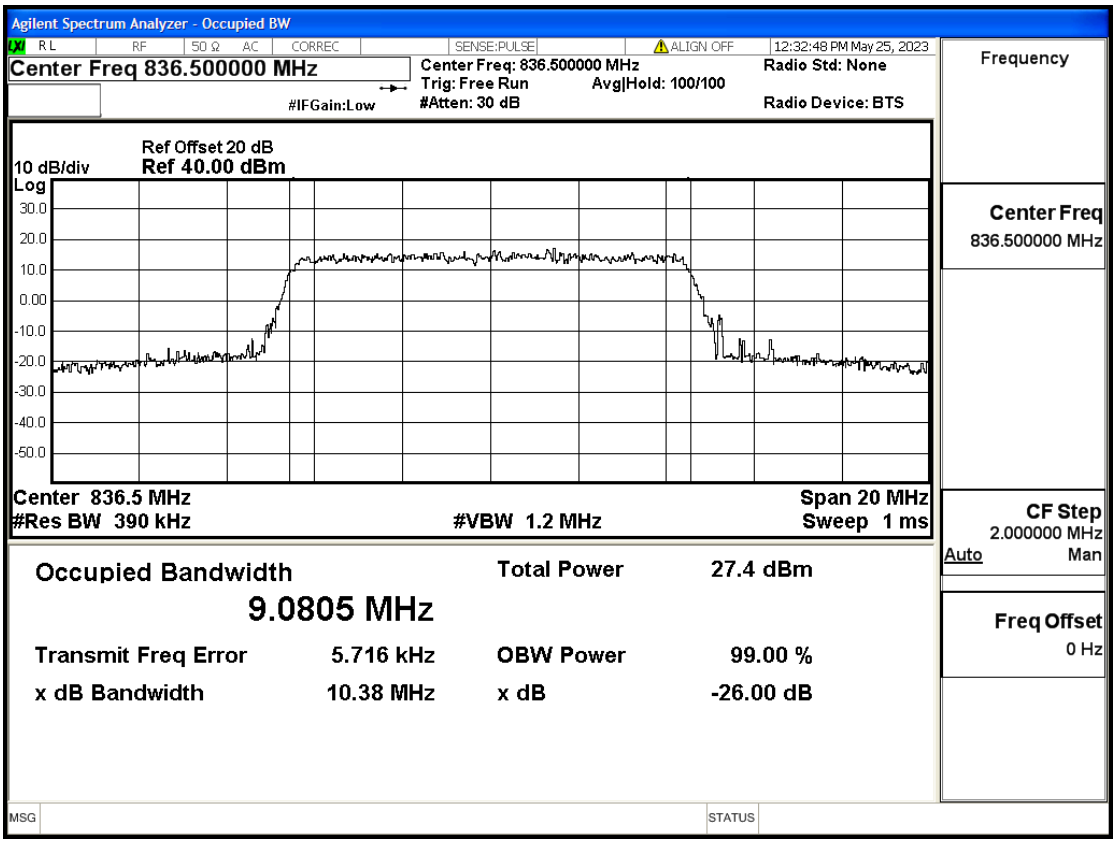
Band5-10-829-16QAM-50#LOW@26dB and 99PCT Bandwidth



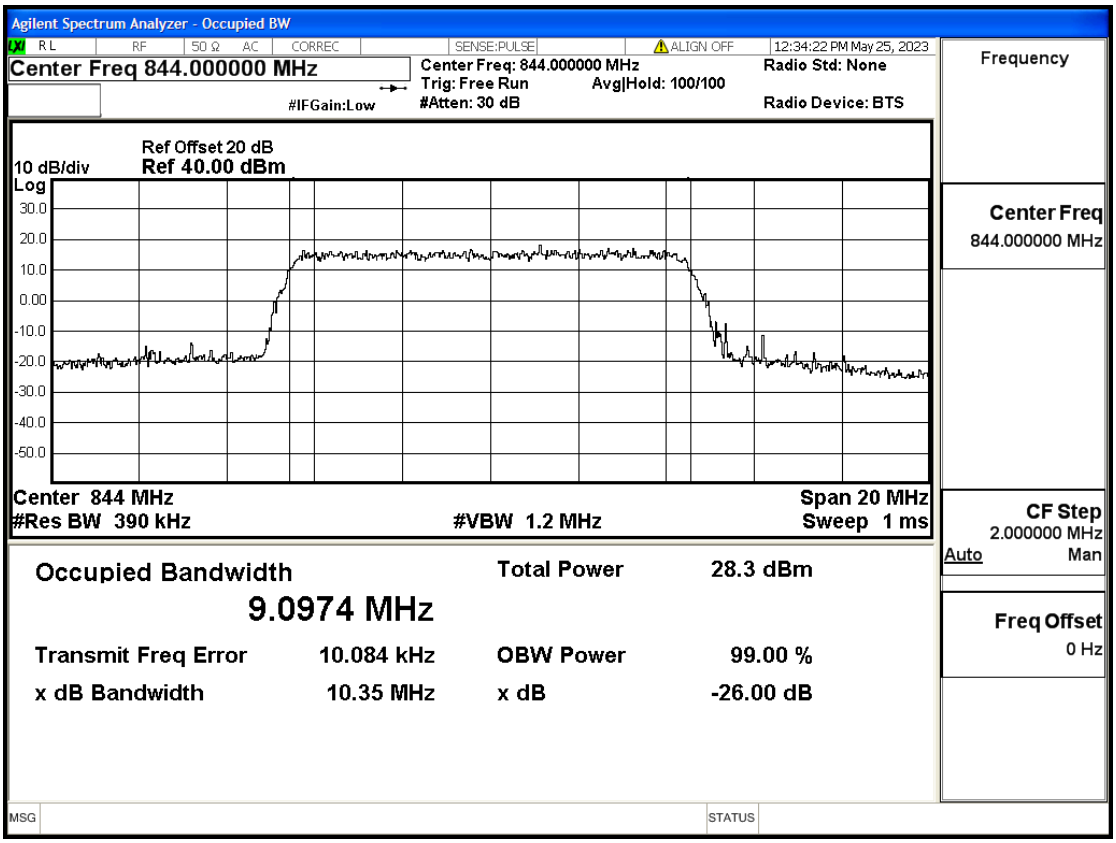
Band5-10-836.5-QPSK-50#LOW@26dB and 99PCT Bandwidth



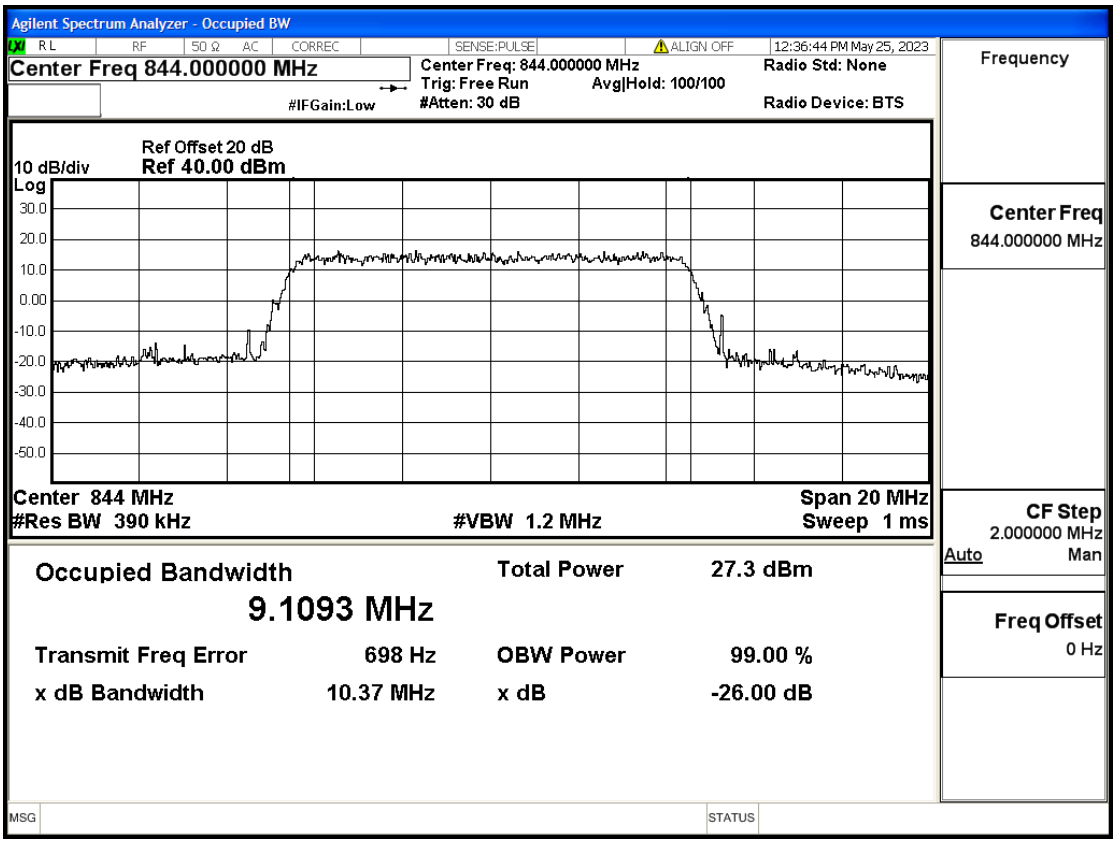
Band5-10-836.5-16QAM-50#LOW@26dB and 99PCT Bandwidth



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 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0694	PASS
40	Normal Voltage	0.0333	
30	Normal Voltage	0.0192	
20(Ref.)	Normal Voltage	0.0262	
10	Normal Voltage	0.0590	
0	Normal Voltage	0.0197	
-10	Normal Voltage	0.0463	
-20	Normal Voltage	0.0396	
-30	Normal Voltage	0.0177	
20	Maximum Voltage	0.0178	
20	Normal Voltage	0.0273	
20	Battery End Point	0.0686	

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	21.65	28.11	6.46	13	-0.13	19.37	38.5	Pass
Band5	1.4	824.7	QPSK	3	LOW	23.74	28.73	4.99	13	-0.13	21.46	38.5	Pass
Band5	1.4	824.7	QPSK	3	MID	23.7	28.7	5	13	-0.13	21.42	38.5	Pass
Band5	1.4	824.7	QPSK	3	HIGH	23.74	28.74	5	13	-0.13	21.46	38.5	Pass
Band5	1.4	824.7	QPSK	1	LOW	23.64	28.11	4.47	13	-0.13	21.36	38.5	Pass
Band5	1.4	824.7	QPSK	1	MID	23.67	28.21	4.54	13	-0.13	21.39	38.5	Pass
Band5	1.4	824.7	QPSK	1	HIGH	23.59	28.28	4.69	13	-0.13	21.31	38.5	Pass
Band5	1.4	824.7	16QAM	6	LOW	21.96	28.36	6.4	13	-0.13	19.68	38.5	Pass
Band5	1.4	824.7	16QAM	3	LOW	22.66	28.49	5.83	13	-0.13	20.38	38.5	Pass
Band5	1.4	824.7	16QAM	3	MID	22.66	28.44	5.78	13	-0.13	20.38	38.5	Pass
Band5	1.4	824.7	16QAM	3	HIGH	22.67	28.55	5.88	13	-0.13	20.39	38.5	Pass
Band5	1.4	824.7	16QAM	1	LOW	22.81	27.49	4.68	13	-0.13	20.53	38.5	Pass
Band5	1.4	824.7	16QAM	1	MID	22.61	27.35	4.74	13	-0.13	20.33	38.5	Pass
Band5	1.4	824.7	16QAM	1	HIGH	22.6	27.4	4.8	13	-0.13	20.32	38.5	Pass
Band5	1.4	836.5	QPSK	6	LOW	22.55	28.52	5.97	13	-0.13	20.27	38.5	Pass
Band5	1.4	836.5	QPSK	3	LOW	23.67	28.89	5.22	13	-0.13	21.39	38.5	Pass
Band5	1.4	836.5	QPSK	3	MID	23.66	28.81	5.15	13	-0.13	21.38	38.5	Pass
Band5	1.4	836.5	QPSK	3	HIGH	23.7	28.81	5.11	13	-0.13	21.42	38.5	Pass
Band5	1.4	836.5	QPSK	1	LOW	23.58	28.46	4.88	13	-0.13	21.3	38.5	Pass
Band5	1.4	836.5	QPSK	1	MID	23.64	28.37	4.73	13	-0.13	21.36	38.5	Pass
Band5	1.4	836.5	QPSK	1	HIGH	23.65	28.53	4.88	13	-0.13	21.37	38.5	Pass
Band5	1.4	836.5	16QAM	6	LOW	21.76	28.6	6.84	13	-0.13	19.48	38.5	Pass
Band5	1.4	836.5	16QAM	3	LOW	22.81	28.27	5.46	13	-0.13	20.53	38.5	Pass
Band5	1.4	836.5	16QAM	3	MID	22.8	28.22	5.42	13	-0.13	20.52	38.5	Pass
Band5	1.4	836.5	16QAM	3	HIGH	22.71	28.27	5.56	13	-0.13	20.43	38.5	Pass
Band5	1.4	836.5	16QAM	1	LOW	22.85	28.05	5.2	13	-0.13	20.57	38.5	Pass
Band5	1.4	836.5	16QAM	1	MID	22.92	28.09	5.17	13	-0.13	20.64	38.5	Pass
Band5	1.4	836.5	16QAM	1	HIGH	22.99	28.18	5.19	13	-0.13	20.71	38.5	Pass
Band5	1.4	848.3	QPSK	6	LOW	22.48	28.68	6.2	13	-0.13	20.2	38.5	Pass
Band5	1.4	848.3	QPSK	3	LOW	23.61	28.81	5.2	13	-0.13	21.33	38.5	Pass
Band5	1.4	848.3	QPSK	3	MID	23.58	28.78	5.2	13	-0.13	21.3	38.5	Pass
Band5	1.4	848.3	QPSK	3	HIGH	23.67	28.71	5.04	13	-0.13	21.39	38.5	Pass
Band5	1.4	848.3	QPSK	1	LOW	23.83	28.32	4.49	13	-0.13	21.55	38.5	Pass
Band5	1.4	848.3	QPSK	1	MID	23.76	28.22	4.46	13	-0.13	21.48	38.5	Pass
Band5	1.4	848.3	QPSK	1	HIGH	23.79	28.31	4.52	13	-0.13	21.51	38.5	Pass
Band5	1.4	848.3	16QAM	6	LOW	21.86	28.62	6.76	13	-0.13	19.58	38.5	Pass
Band5	1.4	848.3	16QAM	3	LOW	22.66	28.24	5.58	13	-0.13	20.38	38.5	Pass
Band5	1.4	848.3	16QAM	3	MID	22.66	28.26	5.6	13	-0.13	20.38	38.5	Pass

Band5	1.4	848.3	16QAM	3	HIGH	22.56	28.22	5.66	13	-0.13	20.28	38.5	Pass
Band5	1.4	848.3	16QAM	1	LOW	22.81	28.11	5.3	13	-0.13	20.53	38.5	Pass
Band5	1.4	848.3	16QAM	1	MID	22.83	28.12	5.29	13	-0.13	20.55	38.5	Pass
Band5	1.4	848.3	16QAM	1	HIGH	23.3	28.25	4.95	13	-0.13	21.02	38.5	Pass
Band5	3	825.5	QPSK	15	LOW	22.58	28.72	6.14	13	-0.13	20.3	38.5	Pass
Band5	3	825.5	QPSK	8	LOW	22.68	28.11	5.43	13	-0.13	20.4	38.5	Pass
Band5	3	825.5	QPSK	8	MID	22.68	27.98	5.3	13	-0.13	20.4	38.5	Pass
Band5	3	825.5	QPSK	8	HIGH	22.69	28.26	5.57	13	-0.13	20.41	38.5	Pass
Band5	3	825.5	QPSK	1	LOW	23.5	28.41	4.91	13	-0.13	21.22	38.5	Pass
Band5	3	825.5	QPSK	1	MID	23.52	28.1	4.58	13	-0.13	21.24	38.5	Pass
Band5	3	825.5	QPSK	1	HIGH	23.64	28.14	4.5	13	-0.13	21.36	38.5	Pass
Band5	3	825.5	16QAM	15	LOW	21.66	27.83	6.17	13	-0.13	19.38	38.5	Pass
Band5	3	825.5	16QAM	8	LOW	21.8	28.14	6.34	13	-0.13	19.52	38.5	Pass
Band5	3	825.5	16QAM	8	MID	21.8	28.18	6.38	13	-0.13	19.52	38.5	Pass
Band5	3	825.5	16QAM	8	HIGH	21.83	28.1	6.27	13	-0.13	19.55	38.5	Pass
Band5	3	825.5	16QAM	1	LOW	22.9	28.39	5.49	13	-0.13	20.62	38.5	Pass
Band5	3	825.5	16QAM	1	MID	22.87	28.58	5.71	13	-0.13	20.59	38.5	Pass
Band5	3	825.5	16QAM	1	HIGH	22.8	28.52	5.72	13	-0.13	20.52	38.5	Pass
Band5	3	836.5	QPSK	15	LOW	22.67	28.34	5.67	13	-0.13	20.39	38.5	Pass
Band5	3	836.5	QPSK	8	LOW	22.5	28.09	5.59	13	-0.13	20.22	38.5	Pass
Band5	3	836.5	QPSK	8	MID	22.5	28.03	5.53	13	-0.13	20.22	38.5	Pass
Band5	3	836.5	QPSK	8	HIGH	22.59	28.2	5.61	13	-0.13	20.31	38.5	Pass
Band5	3	836.5	QPSK	1	LOW	23.7	28.38	4.68	13	-0.13	21.42	38.5	Pass
Band5	3	836.5	QPSK	1	MID	23.74	28.39	4.65	13	-0.13	21.46	38.5	Pass
Band5	3	836.5	QPSK	1	HIGH	23.71	28.45	4.74	13	-0.13	21.43	38.5	Pass
Band5	3	836.5	16QAM	15	LOW	21.79	27.89	6.1	13	-0.13	19.51	38.5	Pass
Band5	3	836.5	16QAM	8	LOW	21.75	27.81	6.06	13	-0.13	19.47	38.5	Pass
Band5	3	836.5	16QAM	8	MID	21.77	27.75	5.98	13	-0.13	19.49	38.5	Pass
Band5	3	836.5	16QAM	8	HIGH	21.92	27.81	5.89	13	-0.13	19.64	38.5	Pass
Band5	3	836.5	16QAM	1	LOW	22.69	27.63	4.94	13	-0.13	20.41	38.5	Pass
Band5	3	836.5	16QAM	1	MID	22.81	27.38	4.57	13	-0.13	20.53	38.5	Pass
Band5	3	836.5	16QAM	1	HIGH	22.7	27.41	4.71	13	-0.13	20.42	38.5	Pass
Band5	3	847.5	QPSK	15	LOW	22.61	29.47	6.86	13	-0.13	20.33	38.5	Pass
Band5	3	847.5	QPSK	8	LOW	22.64	28.52	5.88	13	-0.13	20.36	38.5	Pass
Band5	3	847.5	QPSK	8	MID	22.63	28.55	5.92	13	-0.13	20.35	38.5	Pass
Band5	3	847.5	QPSK	8	HIGH	22.51	28.37	5.86	13	-0.13	20.23	38.5	Pass
Band5	3	847.5	QPSK	1	LOW	23.86	28.43	4.57	13	-0.13	21.58	38.5	Pass
Band5	3	847.5	QPSK	1	MID	23.63	28.24	4.61	13	-0.13	21.35	38.5	Pass
Band5	3	847.5	QPSK	1	HIGH	23.69	28.16	4.47	13	-0.13	21.41	38.5	Pass
Band5	3	847.5	16QAM	15	LOW	21.72	28.33	6.61	13	-0.13	19.44	38.5	Pass
Band5	3	847.5	16QAM	8	LOW	21.95	28.03	6.08	13	-0.13	19.67	38.5	Pass
Band5	3	847.5	16QAM	8	MID	21.96	28.31	6.35	13	-0.13	19.68	38.5	Pass
Band5	3	847.5	16QAM	8	HIGH	21.99	27.92	5.93	13	-0.13	19.71	38.5	Pass
Band5	3	847.5	16QAM	1	LOW	22.7	27.58	4.88	13	-0.13	20.42	38.5	Pass
Band5	3	847.5	16QAM	1	MID	22.59	27.42	4.83	13	-0.13	20.31	38.5	Pass
Band5	3	847.5	16QAM	1	HIGH	22.52	27.38	4.86	13	-0.13	20.24	38.5	Pass

Band5	5	826.5	QPSK	25	LOW	22.64	28.49	5.85	13	-0.13	20.36	38.5	Pass
Band5	5	826.5	QPSK	12	LOW	22.73	28.1	5.37	13	-0.13	20.45	38.5	Pass
Band5	5	826.5	QPSK	12	MID	22.73	28.29	5.56	13	-0.13	20.45	38.5	Pass
Band5	5	826.5	QPSK	12	HIGH	22.6	28.18	5.58	13	-0.13	20.32	38.5	Pass
Band5	5	826.5	QPSK	1	LOW	23.56	28.61	5.05	13	-0.13	21.28	38.5	Pass
Band5	5	826.5	QPSK	1	MID	23.61	28.96	5.35	13	-0.13	21.33	38.5	Pass
Band5	5	826.5	QPSK	1	HIGH	23.69	28.91	5.22	13	-0.13	21.41	38.5	Pass
Band5	5	826.5	16QAM	25	LOW	21.7	28.72	7.02	13	-0.13	19.42	38.5	Pass
Band5	5	826.5	16QAM	12	LOW	21.65	28.3	6.65	13	-0.13	19.37	38.5	Pass
Band5	5	826.5	16QAM	12	MID	21.66	28.45	6.79	13	-0.13	19.38	38.5	Pass
Band5	5	826.5	16QAM	12	HIGH	21.53	28.5	6.97	13	-0.13	19.25	38.5	Pass
Band5	5	826.5	16QAM	1	LOW	22.02	27.29	5.27	13	-0.13	19.74	38.5	Pass
Band5	5	826.5	16QAM	1	MID	22.05	27.39	5.34	13	-0.13	19.77	38.5	Pass
Band5	5	826.5	16QAM	1	HIGH	21.94	27.34	5.4	13	-0.13	19.66	38.5	Pass
Band5	5	836.5	QPSK	25	LOW	22.65	28.76	6.11	13	-0.13	20.37	38.5	Pass
Band5	5	836.5	QPSK	12	LOW	22.6	28.47	5.87	13	-0.13	20.32	38.5	Pass
Band5	5	836.5	QPSK	12	MID	22.61	28.57	5.96	13	-0.13	20.33	38.5	Pass
Band5	5	836.5	QPSK	12	HIGH	22.64	28.59	5.95	13	-0.13	20.36	38.5	Pass
Band5	5	836.5	QPSK	1	LOW	23.63	28.32	4.69	13	-0.13	21.35	38.5	Pass
Band5	5	836.5	QPSK	1	MID	23.74	28.36	4.62	13	-0.13	21.46	38.5	Pass
Band5	5	836.5	QPSK	1	HIGH	23.81	28.42	4.61	13	-0.13	21.53	38.5	Pass
Band5	5	836.5	16QAM	25	LOW	21.8	28.35	6.55	13	-0.13	19.52	38.5	Pass
Band5	5	836.5	16QAM	12	LOW	21.72	27.86	6.14	13	-0.13	19.44	38.5	Pass
Band5	5	836.5	16QAM	12	MID	21.72	27.97	6.25	13	-0.13	19.44	38.5	Pass
Band5	5	836.5	16QAM	12	HIGH	21.78	28	6.22	13	-0.13	19.5	38.5	Pass
Band5	5	836.5	16QAM	1	LOW	22.9	28.11	5.21	13	-0.13	20.62	38.5	Pass
Band5	5	836.5	16QAM	1	MID	22.86	28.14	5.28	13	-0.13	20.58	38.5	Pass
Band5	5	836.5	16QAM	1	HIGH	22.92	28.19	5.27	13	-0.13	20.64	38.5	Pass
Band5	5	846.5	QPSK	25	LOW	22.53	28.54	6.01	13	-0.13	20.25	38.5	Pass
Band5	5	846.5	QPSK	12	LOW	22.65	28.08	5.43	13	-0.13	20.37	38.5	Pass
Band5	5	846.5	QPSK	12	MID	22.65	28.23	5.58	13	-0.13	20.37	38.5	Pass
Band5	5	846.5	QPSK	12	HIGH	22.52	27.96	5.44	13	-0.13	20.24	38.5	Pass
Band5	5	846.5	QPSK	1	LOW	23.56	28.67	5.11	13	-0.13	21.28	38.5	Pass
Band5	5	846.5	QPSK	1	MID	23.62	28.43	4.81	13	-0.13	21.34	38.5	Pass
Band5	5	846.5	QPSK	1	HIGH	23.52	28.19	4.67	13	-0.13	21.24	38.5	Pass
Band5	5	846.5	16QAM	25	LOW	21.56	28.79	7.23	13	-0.13	19.28	38.5	Pass
Band5	5	846.5	16QAM	12	LOW	21.61	28.18	6.57	13	-0.13	19.33	38.5	Pass
Band5	5	846.5	16QAM	12	MID	21.61	28.05	6.44	13	-0.13	19.33	38.5	Pass
Band5	5	846.5	16QAM	12	HIGH	21.63	28.16	6.53	13	-0.13	19.35	38.5	Pass
Band5	5	846.5	16QAM	1	LOW	22.43	28.48	6.05	13	-0.13	20.15	38.5	Pass
Band5	5	846.5	16QAM	1	MID	22.43	28.35	5.92	13	-0.13	20.15	38.5	Pass
Band5	5	846.5	16QAM	1	HIGH	22.33	28.14	5.81	13	-0.13	20.05	38.5	Pass
Band5	10	829	QPSK	50	LOW	22.55	28.53	5.98	13	-0.13	20.27	38.5	Pass
Band5	10	829	QPSK	25	LOW	22.68	28.43	5.75	13	-0.13	20.4	38.5	Pass
Band5	10	829	QPSK	25	MID	22.68	28.46	5.78	13	-0.13	20.4	38.5	Pass
Band5	10	829	QPSK	25	HIGH	22.6	28.32	5.72	13	-0.13	20.32	38.5	Pass

Band5	10	829	QPSK	1	LOW	23.51	28.05	4.54	13	-0.13	21.23	38.5	Pass
Band5	10	829	QPSK	1	MID	23.57	28.07	4.5	13	-0.13	21.29	38.5	Pass
Band5	10	829	QPSK	1	HIGH	23.6	28.03	4.43	13	-0.13	21.32	38.5	Pass
Band5	10	829	16QAM	50	LOW	21.78	28.81	7.03	13	-0.13	19.5	38.5	Pass
Band5	10	829	16QAM	25	LOW	21.63	28.41	6.78	13	-0.13	19.35	38.5	Pass
Band5	10	829	16QAM	25	MID	21.64	28.35	6.71	13	-0.13	19.36	38.5	Pass
Band5	10	829	16QAM	25	HIGH	21.66	28.25	6.59	13	-0.13	19.38	38.5	Pass
Band5	10	829	16QAM	1	LOW	23.01	28.52	5.51	13	-0.13	20.73	38.5	Pass
Band5	10	829	16QAM	1	MID	22.85	28.63	5.78	13	-0.13	20.57	38.5	Pass
Band5	10	829	16QAM	1	HIGH	22.96	28.47	5.51	13	-0.13	20.68	38.5	Pass
Band5	10	836.5	QPSK	50	LOW	22.73	28.8	6.07	13	-0.13	20.45	38.5	Pass
Band5	10	836.5	QPSK	25	LOW	22.56	28.23	5.67	13	-0.13	20.28	38.5	Pass
Band5	10	836.5	QPSK	25	MID	22.56	28.28	5.72	13	-0.13	20.28	38.5	Pass
Band5	10	836.5	QPSK	25	HIGH	22.52	28.42	5.9	13	-0.13	20.24	38.5	Pass
Band5	10	836.5	QPSK	1	LOW	23.87	28.5	4.63	13	-0.13	21.59	38.5	Pass
Band5	10	836.5	QPSK	1	MID	23.95	28.38	4.43	13	-0.13	21.67	38.5	Pass
Band5	10	836.5	QPSK	1	HIGH	23.89	28.73	4.84	13	-0.13	21.61	38.5	Pass
Band5	10	836.5	16QAM	50	LOW	21.9	28.79	6.89	13	-0.13	19.62	38.5	Pass
Band5	10	836.5	16QAM	25	LOW	21.9	28.56	6.66	13	-0.13	19.62	38.5	Pass
Band5	10	836.5	16QAM	25	MID	21.9	28.71	6.81	13	-0.13	19.62	38.5	Pass
Band5	10	836.5	16QAM	25	HIGH	21.87	28.81	6.94	13	-0.13	19.59	38.5	Pass
Band5	10	836.5	16QAM	1	LOW	22.86	28.07	5.21	13	-0.13	20.58	38.5	Pass
Band5	10	836.5	16QAM	1	MID	22.96	27.48	4.52	13	-0.13	20.68	38.5	Pass
Band5	10	836.5	16QAM	1	HIGH	22.94	28.66	5.72	13	-0.13	20.66	38.5	Pass
Band5	10	844	QPSK	50	LOW	22.59	28.69	6.1	13	-0.13	20.31	38.5	Pass
Band5	10	844	QPSK	25	LOW	22.57	29.11	6.54	13	-0.13	20.29	38.5	Pass
Band5	10	844	QPSK	25	MID	22.59	28.85	6.26	13	-0.13	20.31	38.5	Pass
Band5	10	844	QPSK	25	HIGH	22.56	28.98	6.42	13	-0.13	20.28	38.5	Pass
Band5	10	844	QPSK	1	LOW	23.68	28.43	4.75	13	-0.13	21.4	38.5	Pass
Band5	10	844	QPSK	1	MID	23.63	28.41	4.78	13	-0.13	21.35	38.5	Pass
Band5	10	844	QPSK	1	HIGH	23.63	28.22	4.59	13	-0.13	21.35	38.5	Pass
Band5	10	844	16QAM	50	LOW	21.8	29.31	7.51	13	-0.13	19.52	38.5	Pass
Band5	10	844	16QAM	25	LOW	21.93	28.84	6.91	13	-0.13	19.65	38.5	Pass
Band5	10	844	16QAM	25	MID	21.94	28.79	6.85	13	-0.13	19.66	38.5	Pass
Band5	10	844	16QAM	25	HIGH	21.93	28.73	6.8	13	-0.13	19.65	38.5	Pass
Band5	10	844	16QAM	1	LOW	22.46	27.36	4.9	13	-0.13	20.18	38.5	Pass
Band5	10	844	16QAM	1	MID	22.45	27.39	4.94	13	-0.13	20.17	38.5	Pass
Band5	10	844	16QAM	1	HIGH	22.34	27.28	4.94	13	-0.13	20.06	38.5	Pass