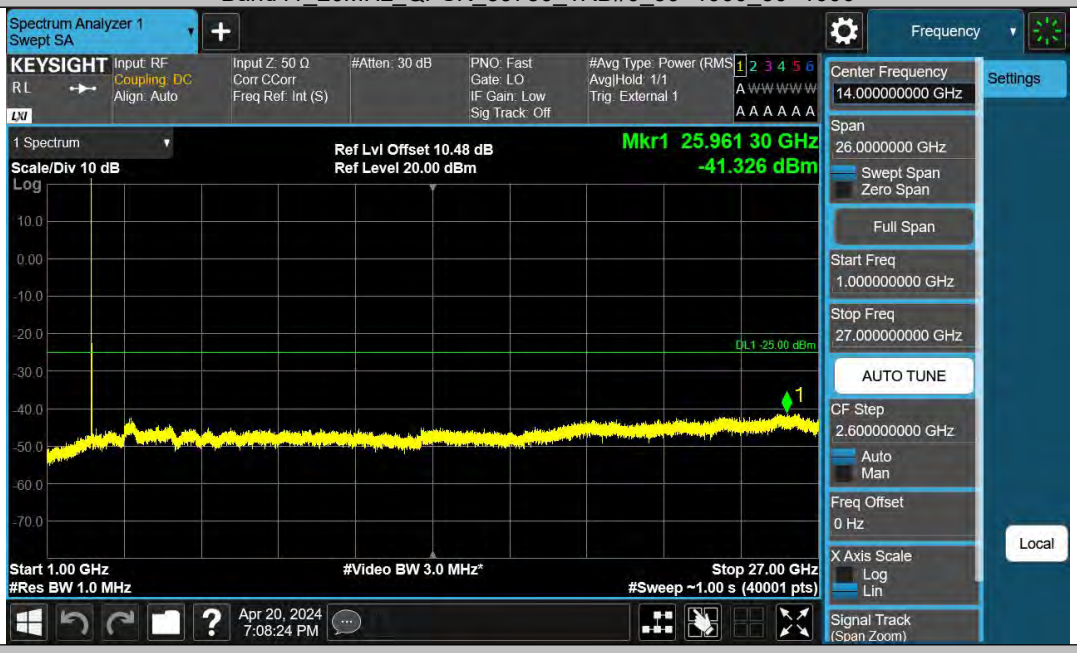
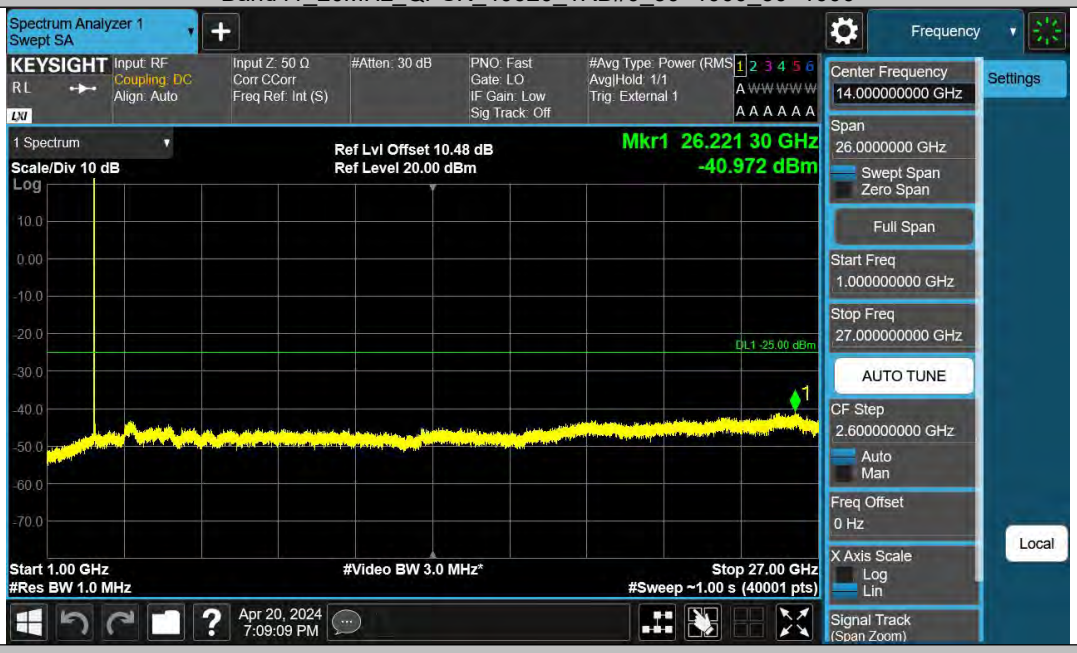
Band41_20MHz_QPSK_39750_1RB#0_30~1000_30~1000



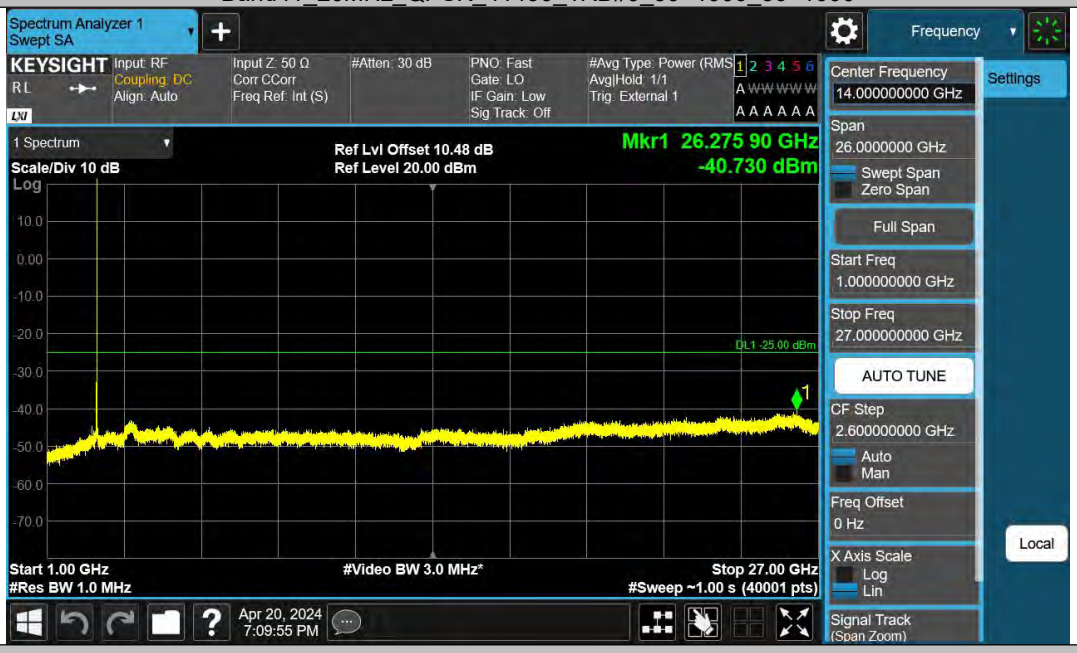
Band41_20MHz_QPSK_39750_1RB#0_1000~27000_1000~27000

Band41_20MHz_QPSK_40620_1RB#0_30~1000_30~1000



Band41_20MHz_QPSK_40620_1RB#0_1000~27000_1000~27000

Band41_20MHz_QPSK_41490_1RB#0_30~1000_30~1000



Band41_20MHz_QPSK_41490_1RB#0_1000~27000_1000~27000

FREQUENCY STABILITY
TEST RESULT

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	10MHz	QPSK	39700	50RB#0	VN	NT	-5.48	-0.002191	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	VL	NT	-3.35	-0.001339	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	VH	NT	-6.18	-0.002471	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VN	NT	-5.88	-0.002268	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VL	NT	-4.38	-0.001689	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VH	NT	5.54	0.002137	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	VN	NT	-6.27	-0.002335	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	VL	NT	2.86	0.001065	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	VH	NT	4.53	0.001687	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	10MHz	QPSK	39700	50RB#0	NV	-30	4.43	0.001771	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-20	4.16	0.001663	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-10	-5.31	-0.002123	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	0	-5.85	-0.002339	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	10	-5.48	-0.002191	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	20	2.06	0.000824	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	30	3.89	0.001555	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	40	-4.09	-0.001635	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	50	5.64	0.002255	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-30	-5.59	-0.002156	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-20	-2.20	-0.000848	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-10	-5.02	-0.001936	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	0	-4.56	-0.001759	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	10	-5.04	-0.001944	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	20	-5.49	-0.002117	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	30	-4.42	-0.001705	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	40	-8.74	-0.003371	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	50	3.02	0.001165	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-30	3.38	0.001259	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-20	-3.78	-0.001408	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-10	-4.61	-0.001717	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	0	-5.31	-0.001978	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	10	-6.55	-0.002439	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	20	-6.65	-0.002477	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	30	-4.23	-0.001575	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	40	-6.34	-0.002361	±2.5	PASS

Band41	10MHz	QPSK	41540	50RB#0	NV	50	6.95	0.002588	±2.5	PASS

LTE BAND66(INCLUDING B4)

PEAK-TO-AVERAGE RATIO(CCDF)

TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	1RB#0	3.96	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	4.99	13	PASS
Band66	20MHz	QPSK	132322	1RB#0	3.94	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.20	13	PASS
Band66	20MHz	QPSK	132572	1RB#0	3.92	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.17	13	PASS
Band66	20MHz	16QAM	132072	1RB#0	4.83	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	5.83	13	PASS
Band66	20MHz	16QAM	132322	1RB#0	4.90	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.05	13	PASS
Band66	20MHz	16QAM	132572	1RB#0	4.86	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.01	13	PASS

TEST GRAPHS

Band66-20MHz-QPSK-132072-1RB#0-PASS

Band66-20MHz-QPSK-132072-100RB#0-PASS

Band66-20MHz-QPSK-132322-1RB#0-PASS

Band66-20MHz-QPSK-132322-100RB#0-PASS

Band66-20MHz-QPSK-132572-1RB#0-PASS

Band66-20MHz-QPSK-132572-100RB#0-PASS

Band66-20MHz-16QAM-132072-1RB#0-PASS

Band66-20MHz-16QAM-132072-100RB#0-PASS

Band66-20MHz-16QAM-132322-1RB#0-PASS

Band66-20MHz-16QAM-132322-100RB#0-PASS

Band66-20MHz-16QAM-132572-1RB#0-PASS

Band66-20MHz-16QAM-132572-100RB#0-PASS

26DB BANDWIDTH AND OCCUPIED BANDWIDTH
TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.1017	1.364	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.1030	1.364	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.1037	1.378	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0982	1.373	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.1023	1.342	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.1035	1.384	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.7040	3.078	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.7066	3.055	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.7053	3.052	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.7078	3.055	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.7007	3.053	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.7140	3.061	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5311	5.196	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.5226	5.199	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.5230	5.196	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.5245	5.161	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.5296	5.200	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.5239	5.200	PASS
Band66	10MHz	QPSK	132022	50RB#0	9.0098	10.12	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9913	10.11	PASS
Band66	10MHz	QPSK	132622	50RB#0	9.0016	10.04	PASS
Band66	10MHz	16QAM	132022	50RB#0	9.0294	10.10	PASS
Band66	10MHz	16QAM	132322	50RB#0	9.0042	9.975	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9899	10.02	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.496	15.02	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.509	14.97	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.510	14.99	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.491	14.91	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.516	15.03	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.484	15.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.954	19.86	PASS
Band66	20MHz	QPSK	132322	100RB#0	18.008	19.84	PASS
Band66	20MHz	QPSK	132572	100RB#0	18.013	19.73	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.982	19.70	PASS
Band66	20MHz	16QAM	132322	100RB#0	18.029	19.69	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.976	19.71	PASS

TEST GRAPHS

Band66-1.4MHz-QPSK-131979-6RB#0-PASS

Band66-1.4MHz-QPSK-132322-6RB#0-PASS

Band66-1.4MHz-QPSK-132665-6RB#0-PASS

Band66-1.4MHz-16QAM-131979-6RB#0-PASS

Band66-1.4MHz-16QAM-132322-6RB#0-PASS

Band66-1.4MHz-16QAM-132665-6RB#0-PASS

Band66-3MHz-QPSK-131987-15RB#0-PASS

Band66-3MHz-QPSK-132322-15RB#0-PASS

Band66-3MHz-QPSK-132657-15RB#0-PASS

Band66-3MHz-16QAM-131987-15RB#0-PASS

Band66-3MHz-16QAM-132322-15RB#0-PASS

Band66-3MHz-16QAM-132657-15RB#0-PASS

Band66-5MHz-QPSK-131997-25RB#0-PASS

Band66-5MHz-QPSK-132322-25RB#0-PASS

Band66-5MHz-QPSK-132647-25RB#0-PASS

Band66-5MHz-16QAM-131997-25RB#0-PASS

Band66-5MHz-16QAM-132322-25RB#0-PASS

Band66-5MHz-16QAM-132647-25RB#0-PASS

Band66-10MHz-QPSK-132022-50RB#0-PASS

Band66-10MHz-QPSK-132322-50RB#0-PASS

Band66-10MHz-QPSK-132622-50RB#0-PASS

Band66-10MHz-16QAM-132022-50RB#0-PASS

Band66-10MHz-16QAM-132322-50RB#0-PASS

Band66-10MHz-16QAM-132622-50RB#0-PASS

Band66-15MHz-QPSK-132047-75RB#0-PASS

Band66-15MHz-QPSK-132322-75RB#0-PASS

Band66-15MHz-QPSK-132597-75RB#0-PASS

Band66-15MHz-16QAM-132047-75RB#0-PASS

Band66-15MHz-16QAM-132322-75RB#0-PASS

Band66-15MHz-16QAM-132597-75RB#0-PASS

Band66-20MHz-QPSK-132072-100RB#0-PASS

Band66-20MHz-QPSK-132322-100RB#0-PASS

Band66-20MHz-QPSK-132572-100RB#0-PASS

Band66-20MHz-16QAM-132072-100RB#0-PASS

Band66-20MHz-16QAM-132322-100RB#0-PASS

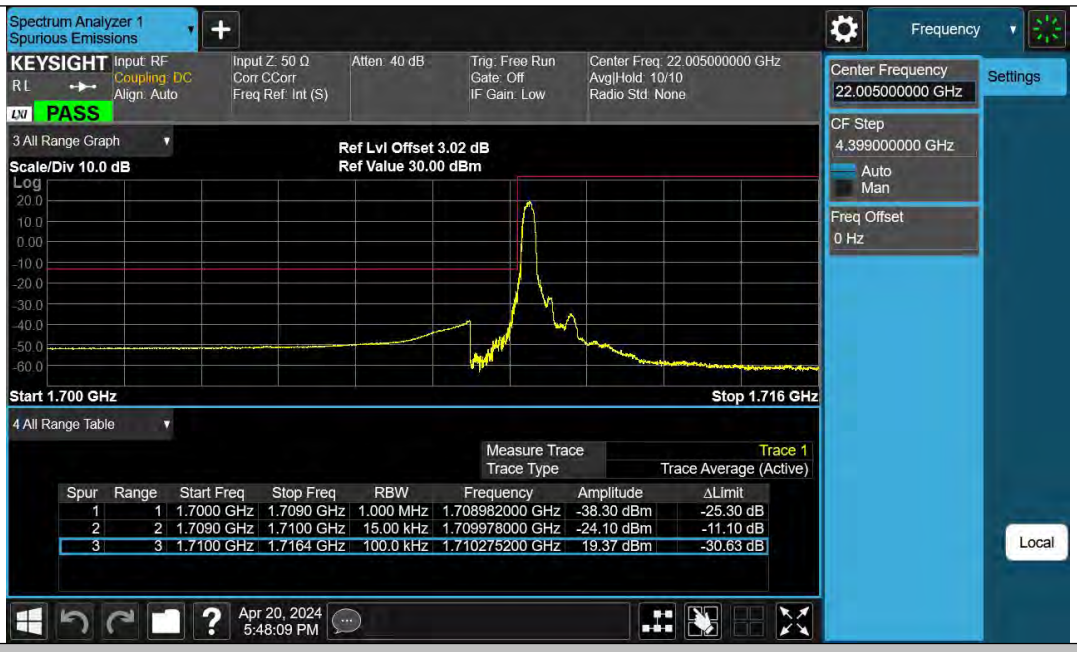
Band66-20MHz-16QAM-132572-100RB#0-PASS

BAND EDGE
TEST RESULT

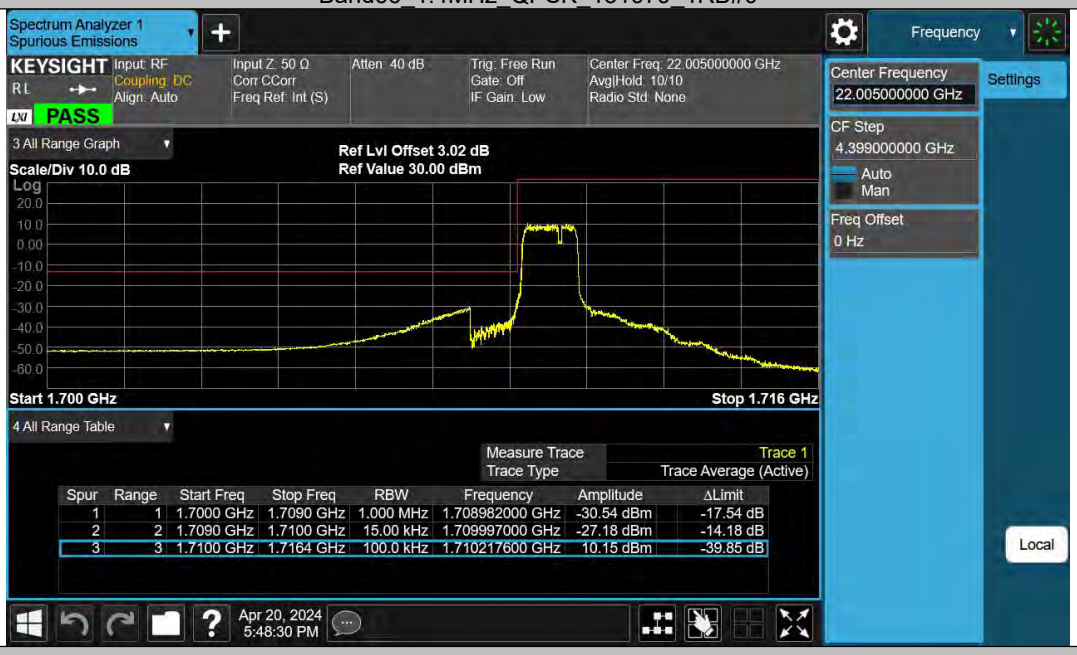
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	-24.10	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	-27.18	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	-21.54	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	-30.11	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	-22.10	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	-30.58	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	-23.66	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	-29.15	PASS
Band66	3MHz	QPSK	131987	1RB#0	-24.62	PASS
Band66	3MHz	QPSK	131987	15RB#0	-29.21	PASS
Band66	3MHz	QPSK	132657	1RB#14	-25.01	PASS
Band66	3MHz	QPSK	132657	15RB#0	-30.13	PASS
Band66	3MHz	16QAM	131987	1RB#0	-26.98	PASS
Band66	3MHz	16QAM	131987	15RB#0	-29.98	PASS
Band66	3MHz	16QAM	132657	1RB#14	-28.07	PASS
Band66	3MHz	16QAM	132657	15RB#0	-31.42	PASS
Band66	5MHz	QPSK	131997	1RB#0	-27.60	PASS
Band66	5MHz	QPSK	131997	1RB#24	-50.03	PASS
Band66	5MHz	QPSK	131997	25RB#0	-30.61	PASS
Band66	5MHz	QPSK	132647	1RB#0	-50.43	PASS
Band66	5MHz	QPSK	132647	1RB#24	-28.55	PASS
Band66	5MHz	QPSK	132647	25RB#0	-32.91	PASS
Band66	5MHz	16QAM	131997	1RB#0	-29.39	PASS
Band66	5MHz	16QAM	131997	25RB#0	-31.05	PASS
Band66	5MHz	16QAM	132647	1RB#24	-29.57	PASS
Band66	5MHz	16QAM	132647	25RB#0	-33.22	PASS
Band66	10MHz	QPSK	132022	1RB#0	-36.77	PASS
Band66	10MHz	QPSK	132022	50RB#0	-31.02	PASS
Band66	10MHz	QPSK	132622	1RB#49	-38.22	PASS
Band66	10MHz	QPSK	132622	50RB#0	-33.57	PASS
Band66	10MHz	16QAM	132022	1RB#0	-38.52	PASS
Band66	10MHz	16QAM	132022	50RB#0	-32.42	PASS
Band66	10MHz	16QAM	132622	1RB#49	-38.92	PASS
Band66	10MHz	16QAM	132622	50RB#0	-35.14	PASS
Band66	15MHz	QPSK	132047	1RB#0	-39.39	PASS
Band66	15MHz	QPSK	132047	75RB#0	-29.21	PASS
Band66	15MHz	QPSK	132597	1RB#74	-40.09	PASS
Band66	15MHz	QPSK	132597	75RB#0	-33.09	PASS
Band66	15MHz	16QAM	132047	1RB#0	-40.81	PASS
Band66	15MHz	16QAM	132047	75RB#0	-32.16	PASS
Band66	15MHz	16QAM	132597	1RB#74	-40.60	PASS
Band66	15MHz	16QAM	132597	75RB#0	-35.96	PASS
Band66	20MHz	QPSK	132072	1RB#0	-41.35	PASS
Band66	20MHz	QPSK	132072	100RB#0	-32.08	PASS

Band66	20MHz	QPSK	132572	1RB#99	-41.52	PASS
Band66	20MHz	QPSK	132572	100RB#0	-35.40	PASS
Band66	20MHz	16QAM	132072	1RB#0	-41.62	PASS
Band66	20MHz	16QAM	132072	100RB#0	-34.04	PASS
Band66	20MHz	16QAM	132572	1RB#99	-42.54	PASS
Band66	20MHz	16QAM	132572	100RB#0	-36.93	PASS

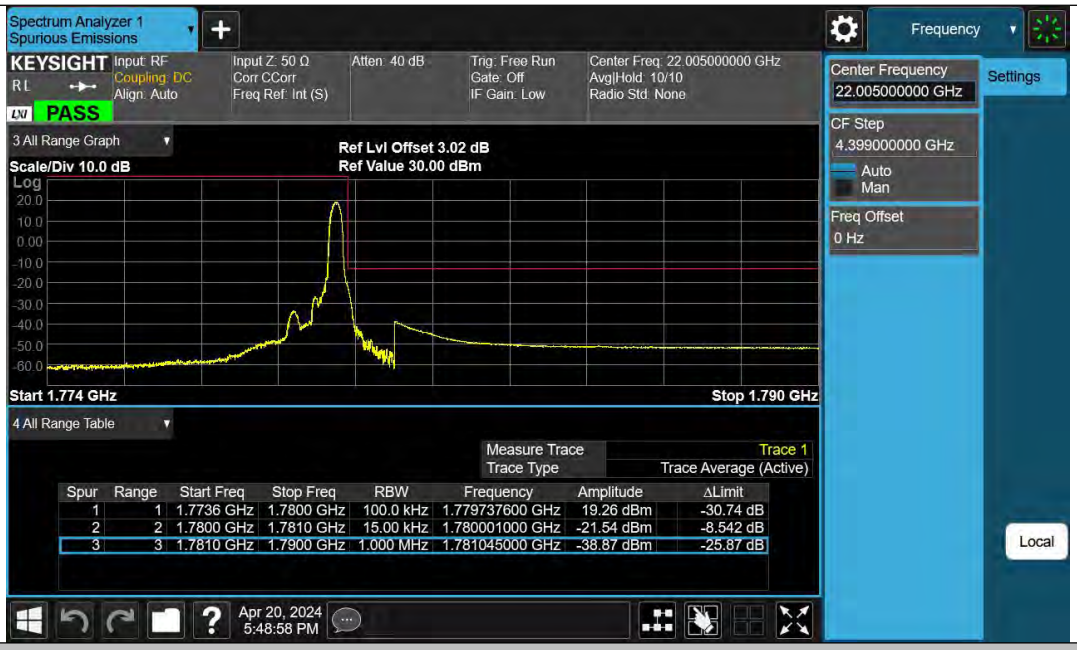
TEST GRAPHS



Band66_1.4MHz_QPSK_131979_1RB#0



Band66_1.4MHz_QPSK_131979_6RB#0



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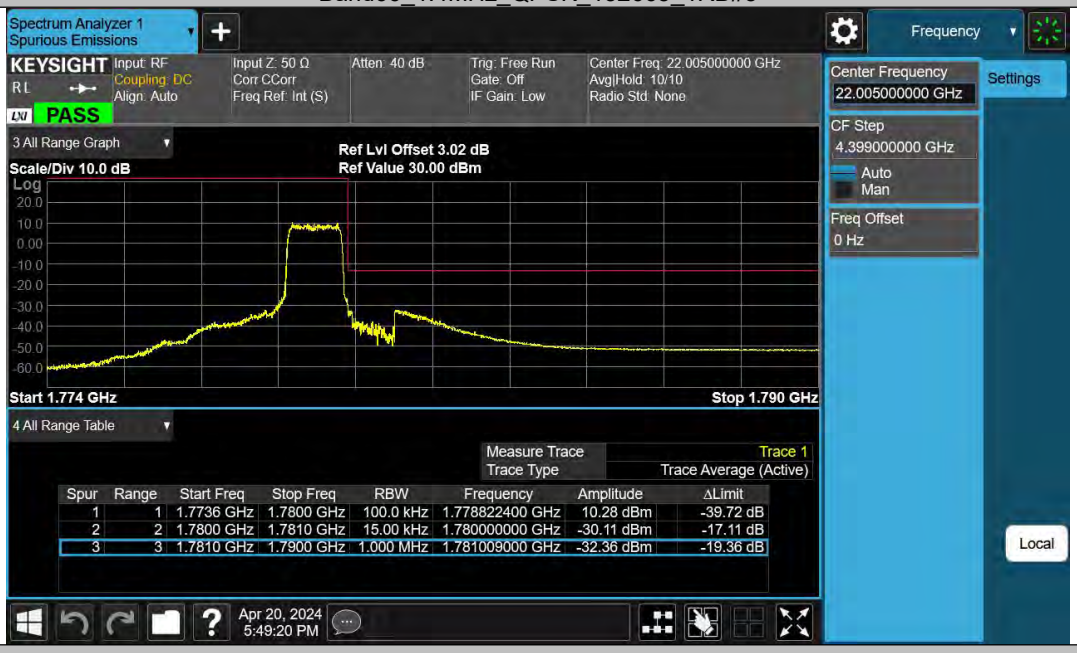
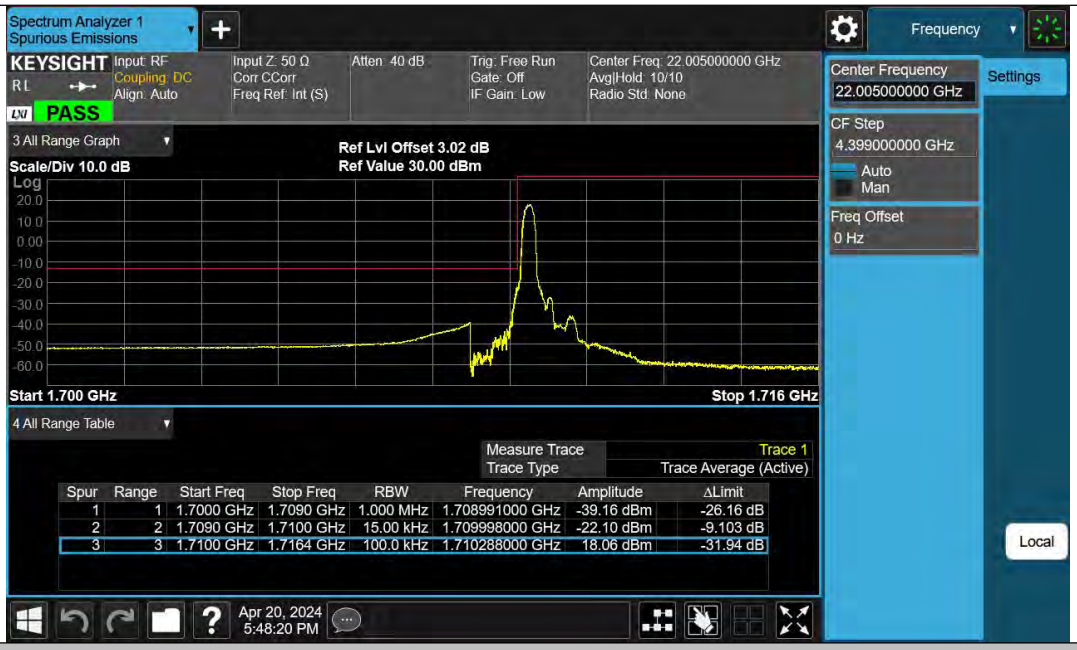
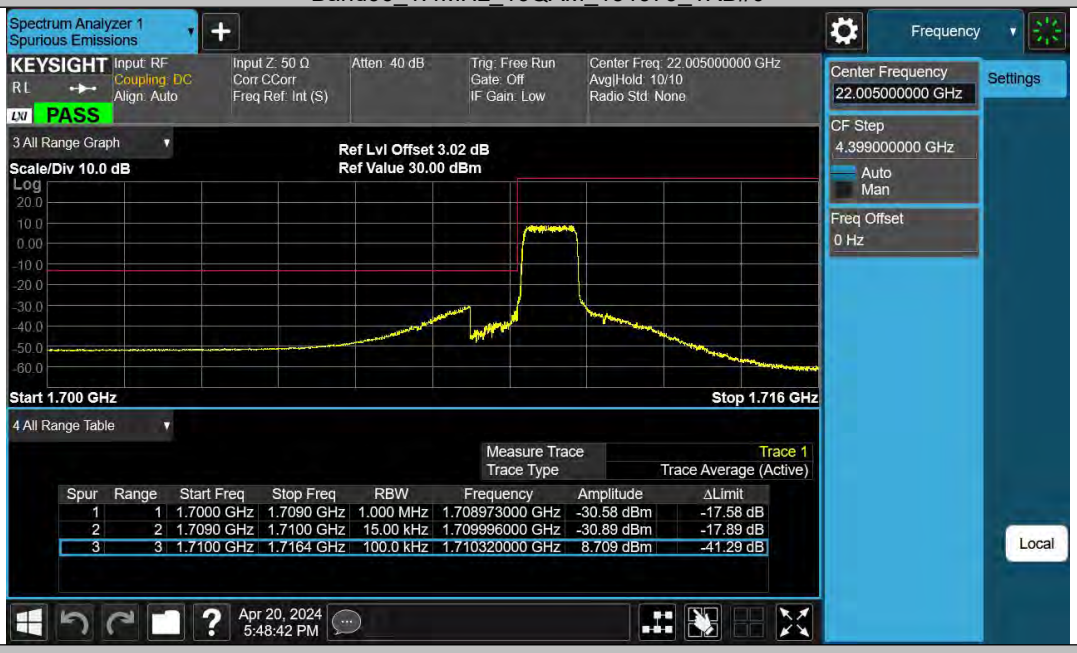


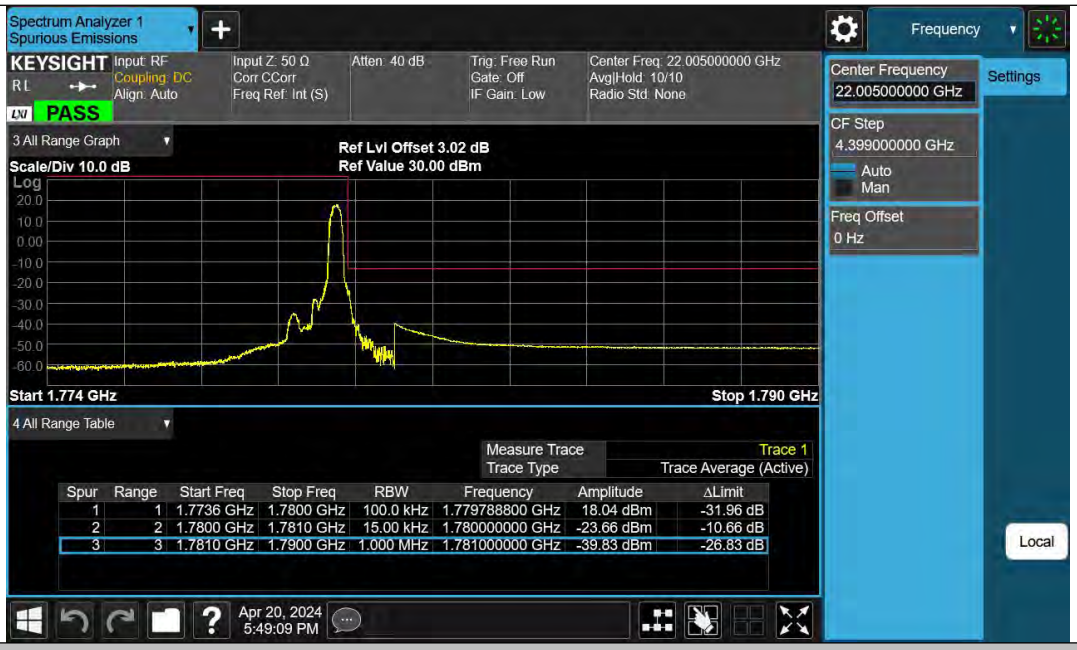
Band66_1.4MHz_QPSK_132665_6RB#0



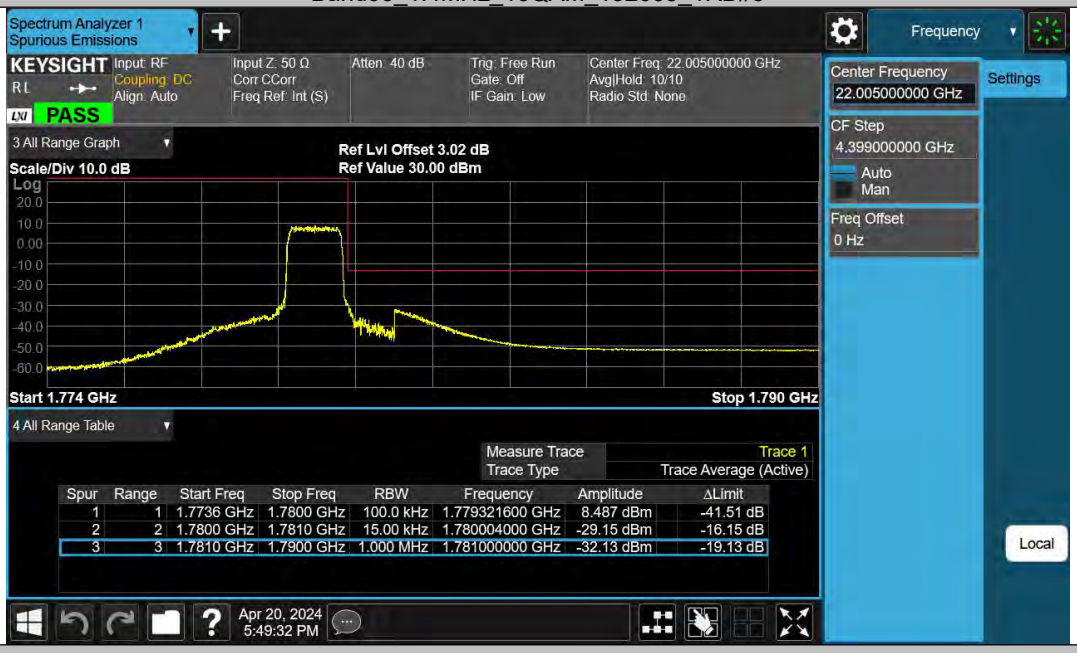
Band66_1.4MHz_16QAM_131979_1RB#0



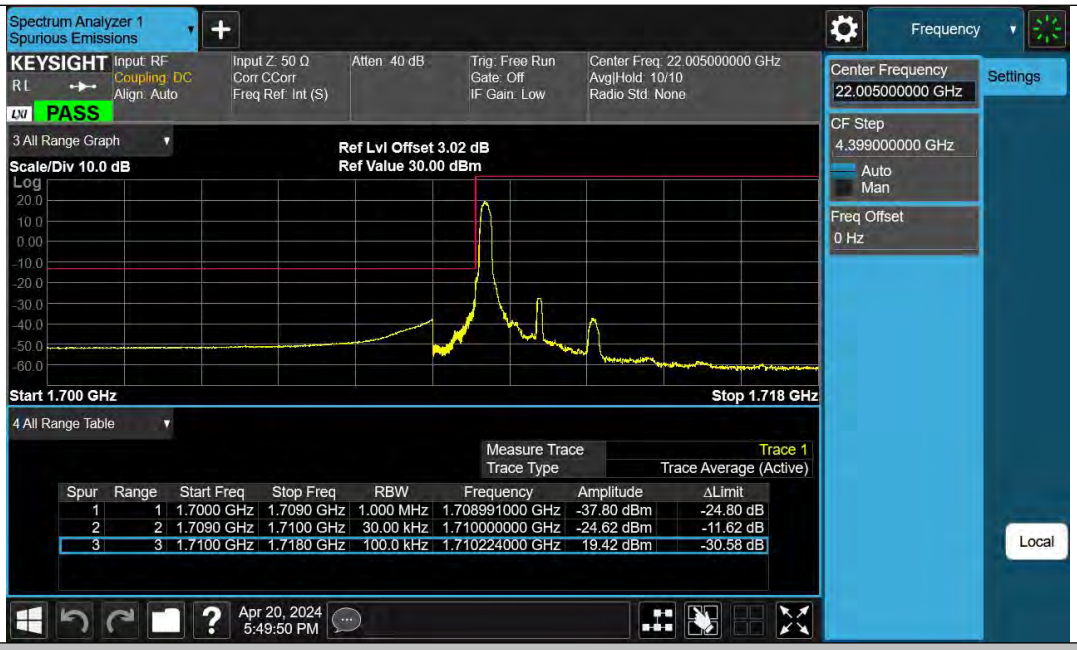
Band66_1.4MHz_16QAM_131979_6RB#0



Band66_1.4MHz_16QAM_132665_1RB#5

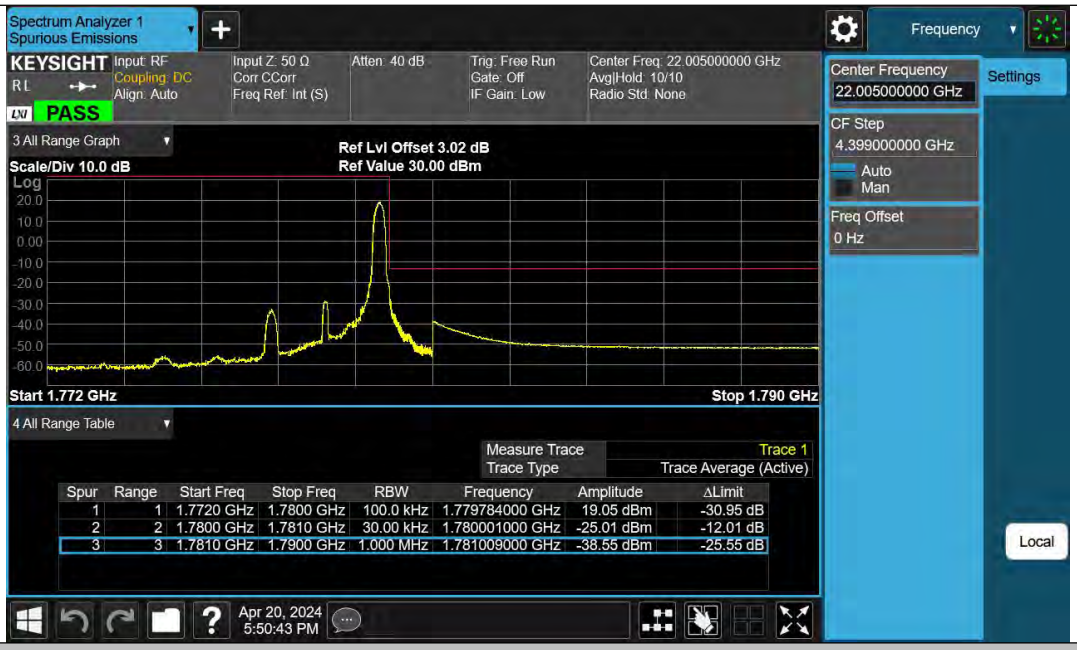


Band66_1.4MHz_16QAM_132665_6RB#0



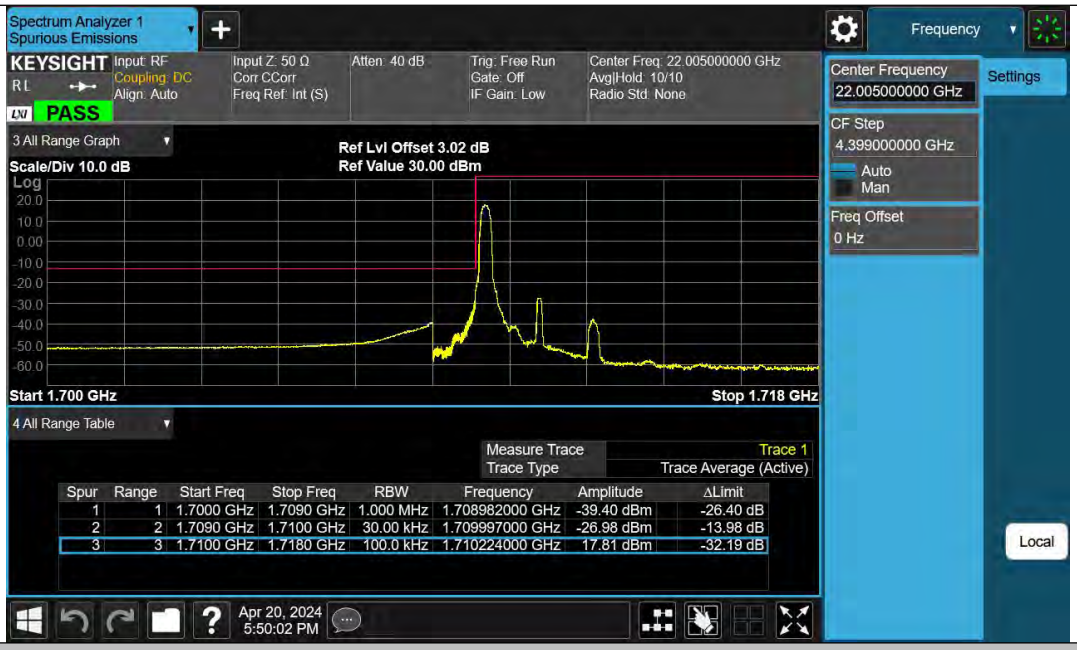
Band66_3MHz_QPSK_131987_1RB#0

Band66_3MHz_QPSK_131987_15RB#0



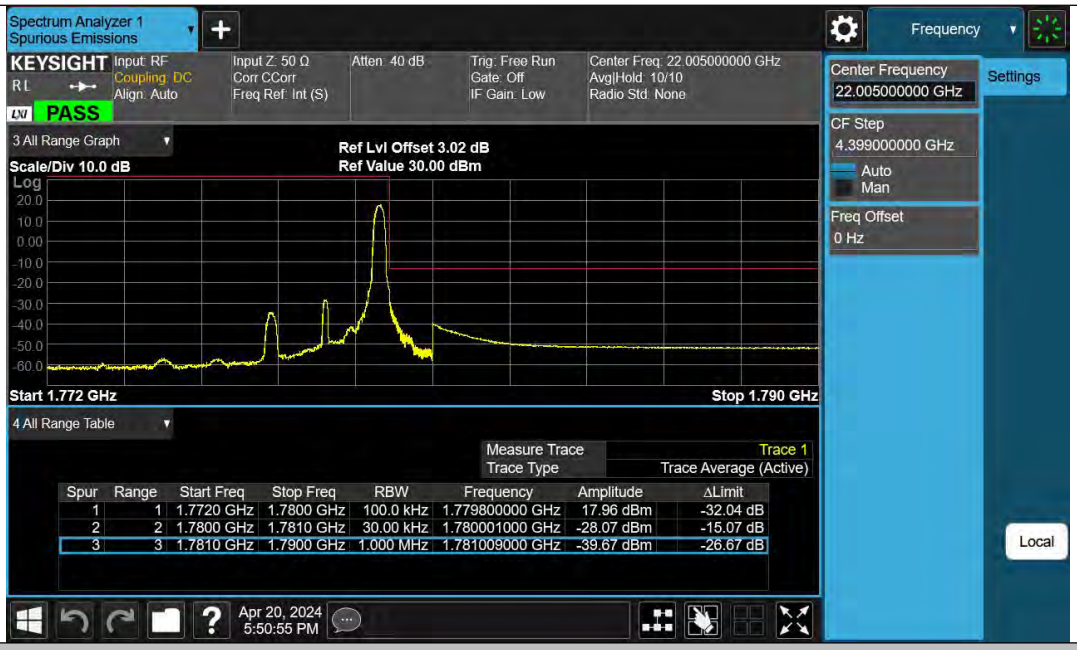
Band66_3MHz_QPSK_132657_1RB#14

Band66_3MHz_QPSK_132657_15RB#0

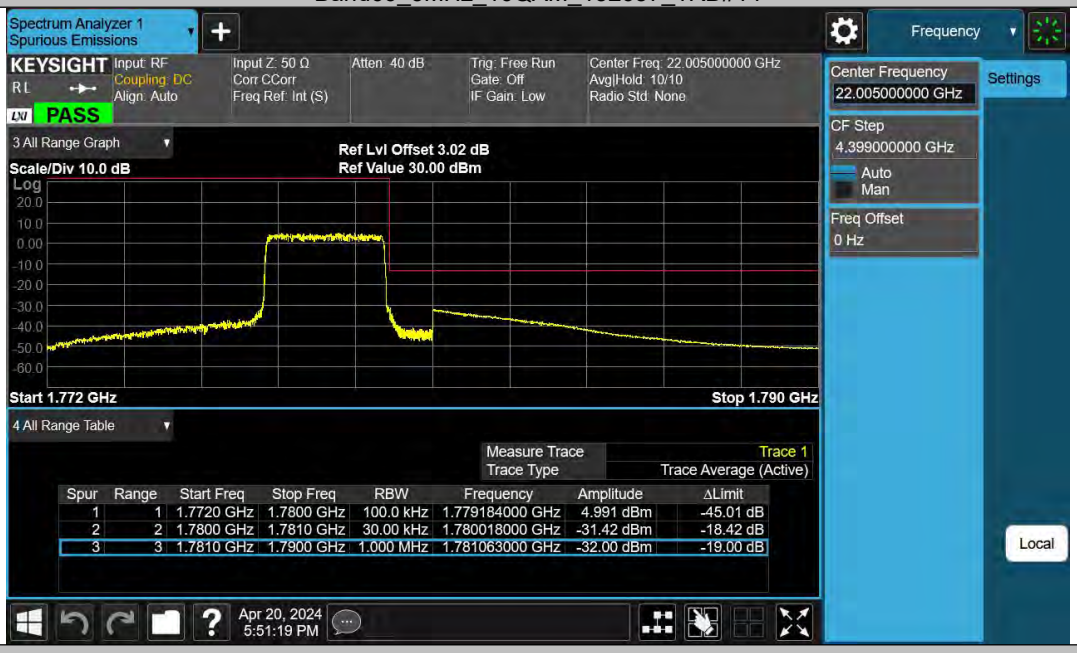


Band66_3MHz_16QAM_131987_1RB#0

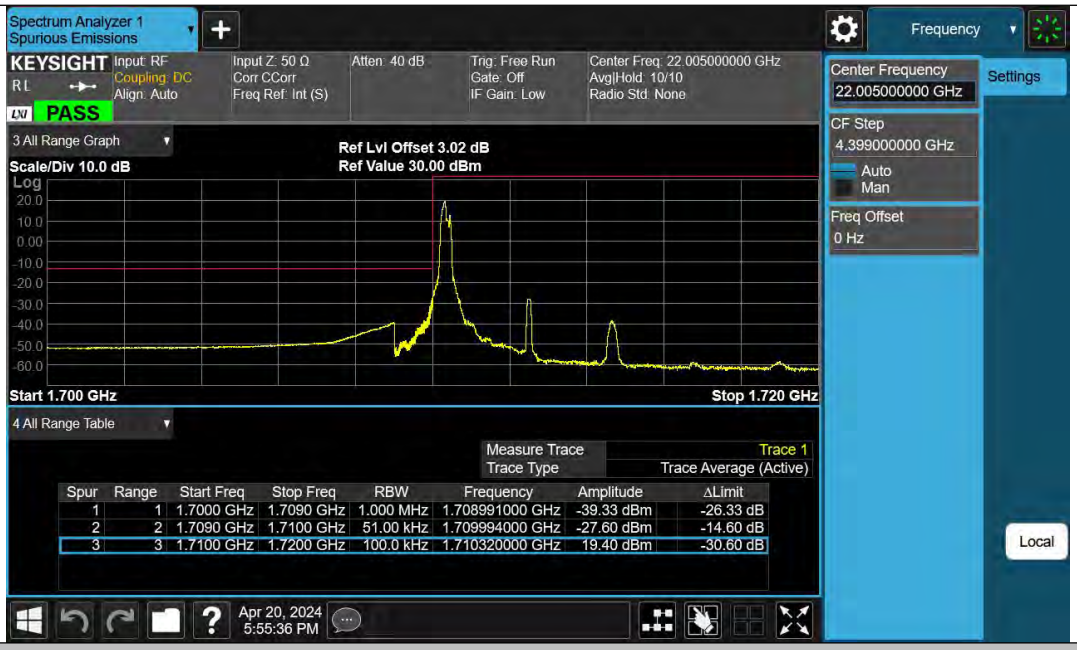
Band66_3MHz_16QAM_131987_15RB#0



Band66_3MHz_16QAM_132657_1RB#14

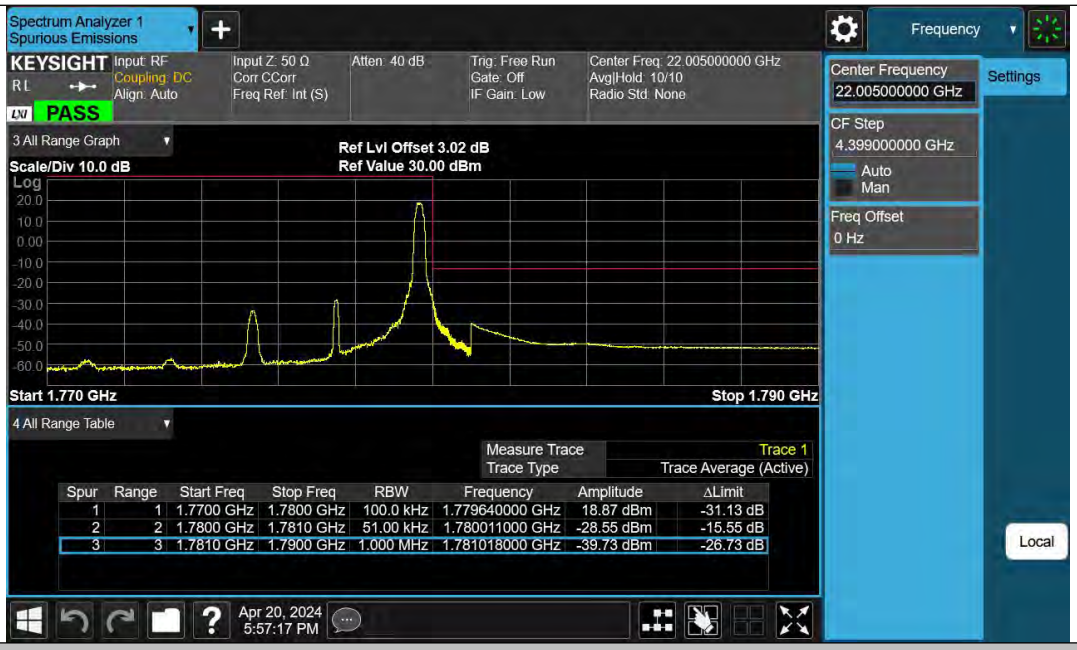


Band66_3MHz_16QAM_132657_15RB#0



Band66_5MHz_QPSK_131997_1RB#0

Band66_5MHz_QPSK_131997_25RB#0

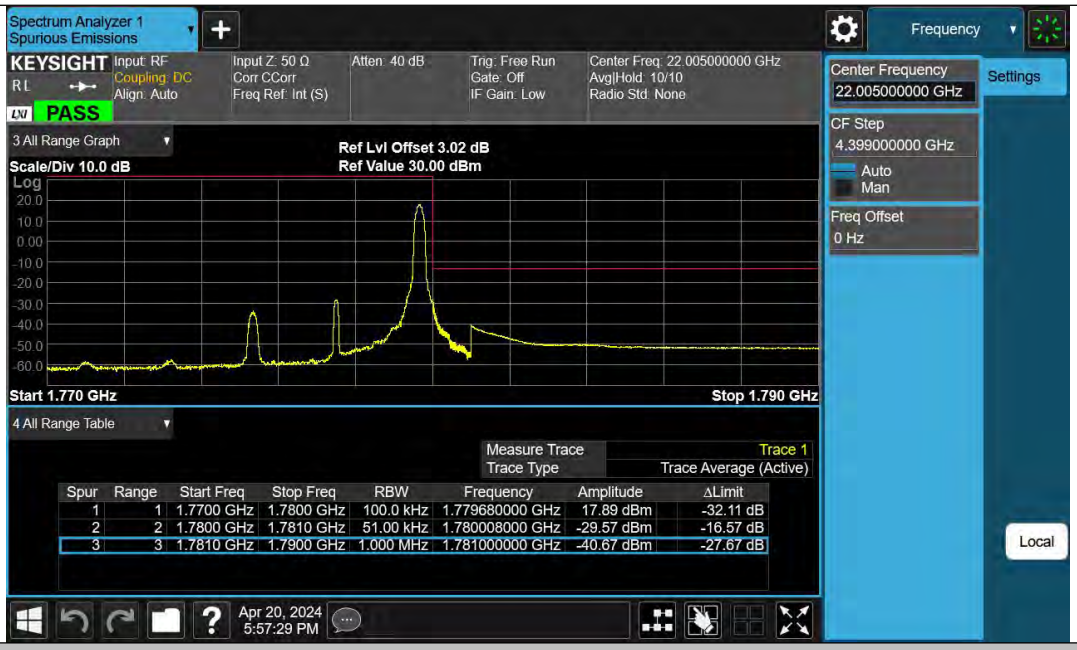


Band66_5MHz_QPSK_132647_1RB#24

Band66_5MHz_QPSK_132647_25RB#0

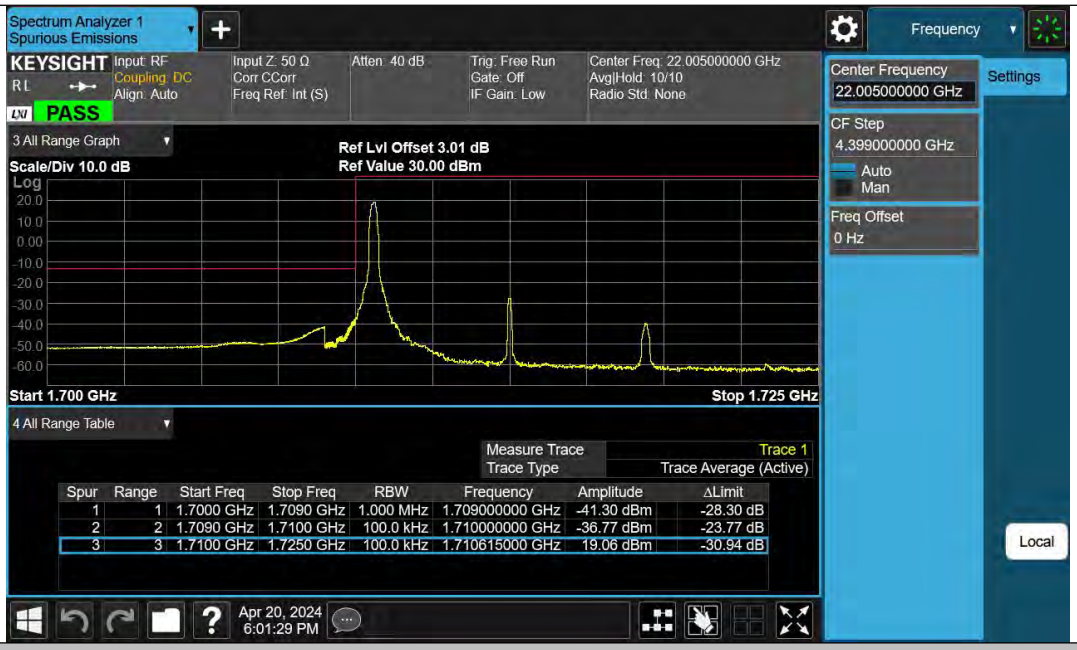
Band66_5MHz_16QAM_131997_1RB#0

Band66_5MHz_16QAM_131997_25RB#0



Band66_5MHz_16QAM_132647_1RB#24

Band66_5MHz_16QAM_132647_25RB#0

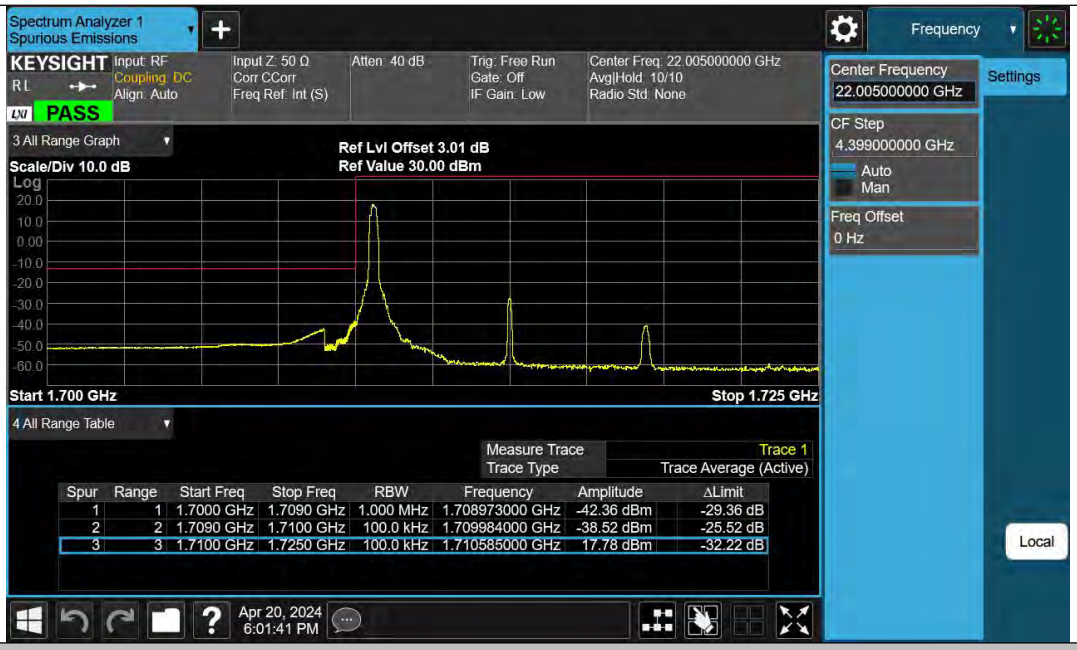


Band66_10MHz_QPSK_132022_1RB#0

Band66_10MHz_QPSK_132022_50RB#0

Band66_10MHz_QPSK_132622_1RB#49

Band66_10MHz_QPSK_132622_50RB#0

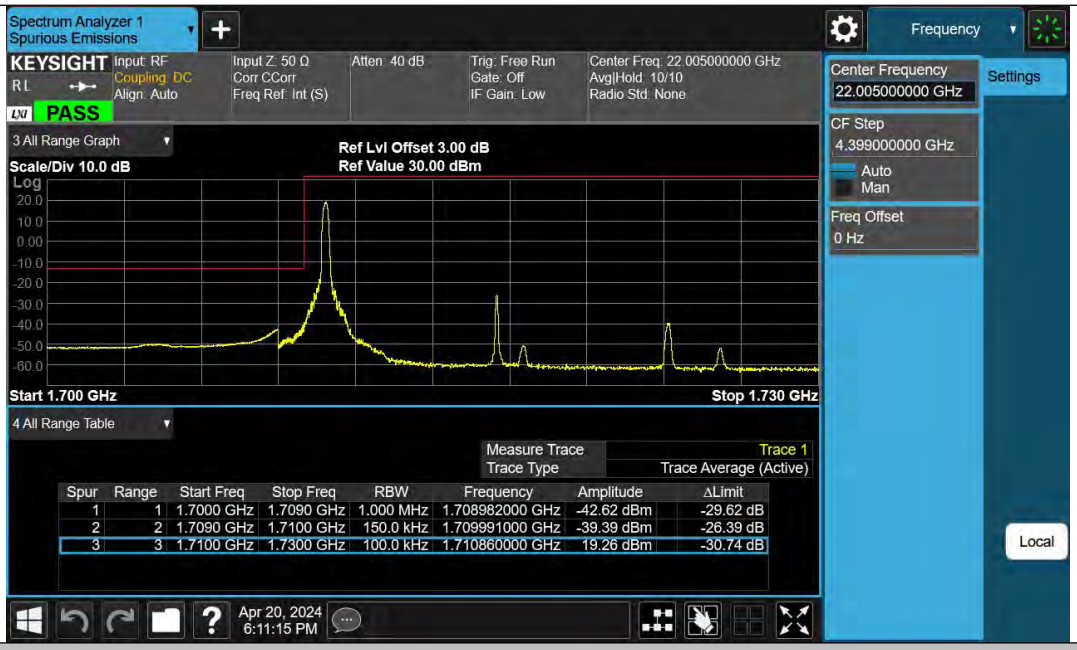


Band66_10MHz_16QAM_132022_1RB#0

Band66_10MHz_16QAM_132022_50RB#0

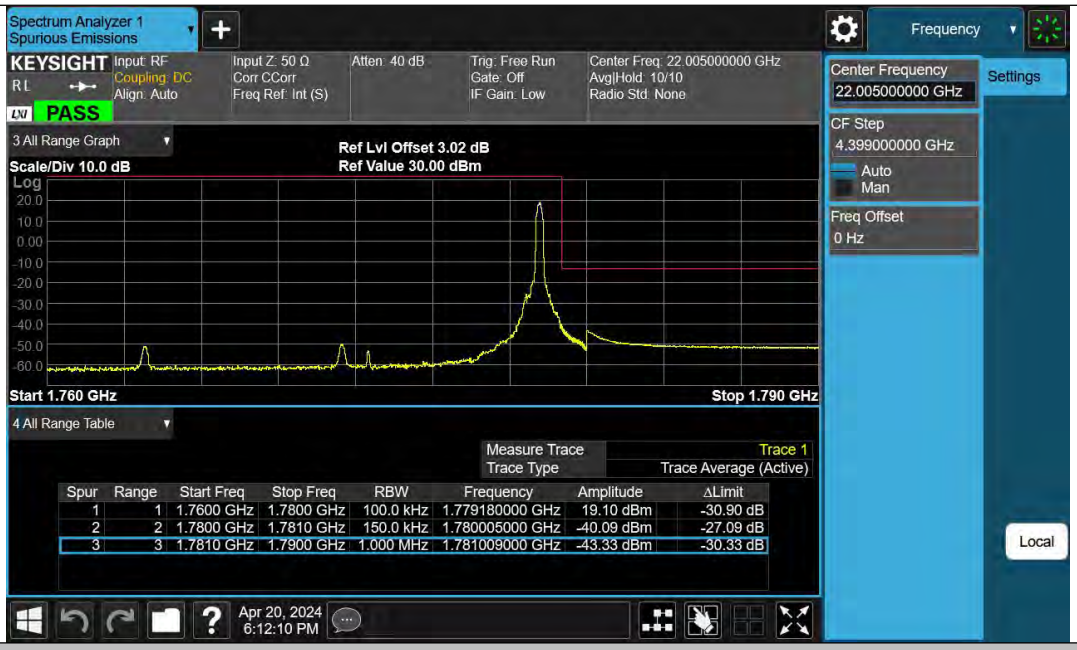
Band66_10MHz_16QAM_132622_1RB#49

Band66_10MHz_16QAM_132622_50RB#0



Band66_15MHz_QPSK_132047_1RB#0

Band66_15MHz_QPSK_132047_75RB#0



Band66_15MHz_QPSK_132597_1RB#74

Band66_15MHz_QPSK_132597_75RB#0