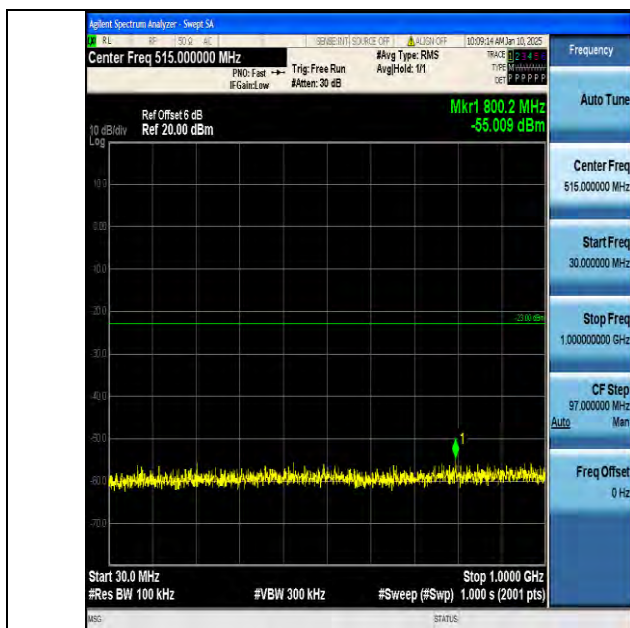
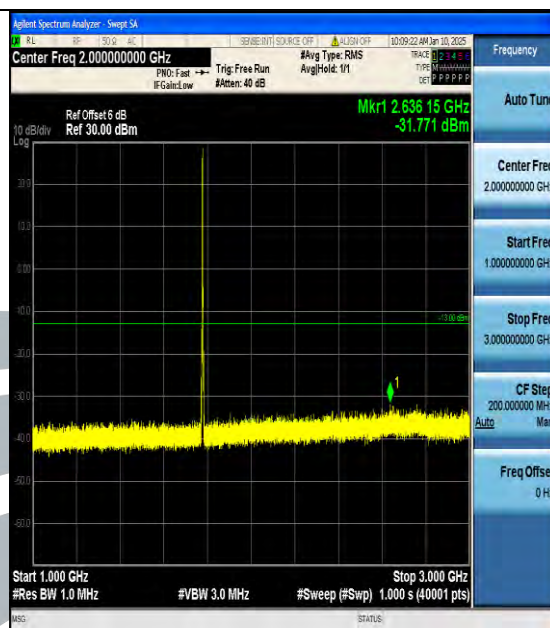
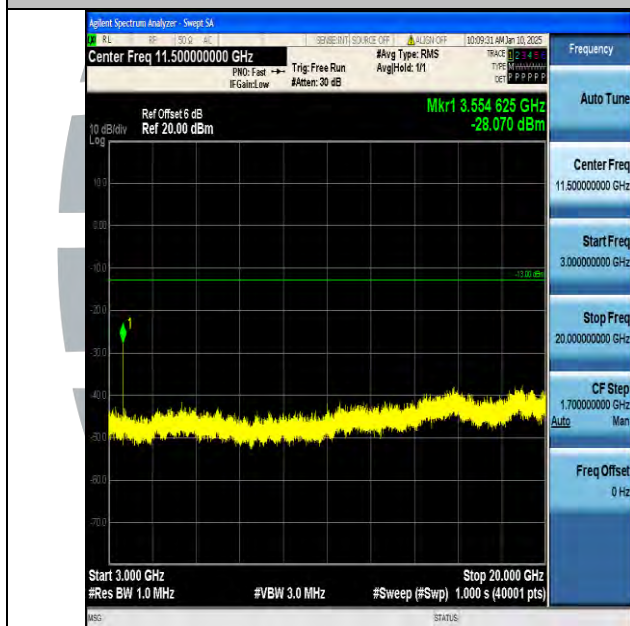




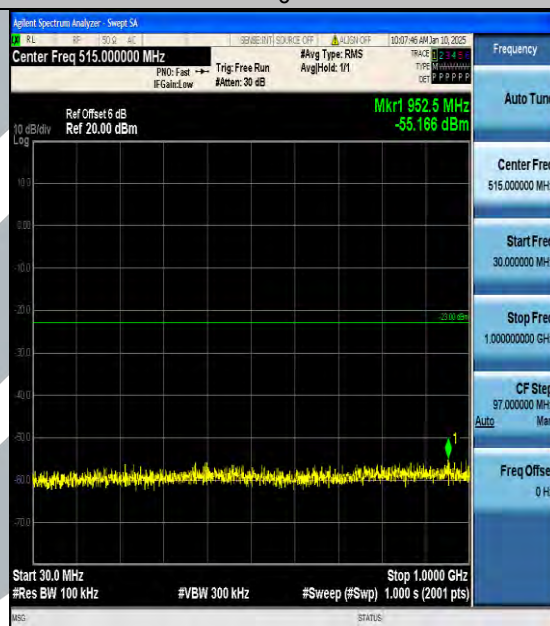
Band66_3MHz_QPSK_132657_1RB#0_30~1000_30~1000



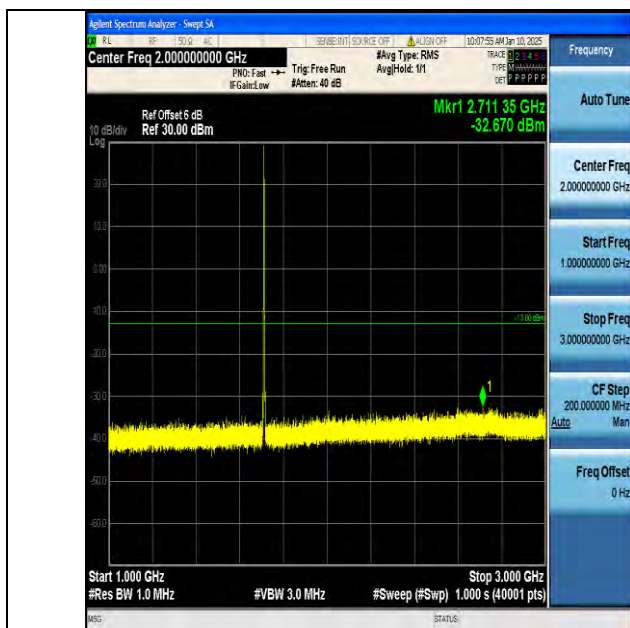
Band66_3MHz_QPSK_132657_1RB#0_1000~3000_1000~3000



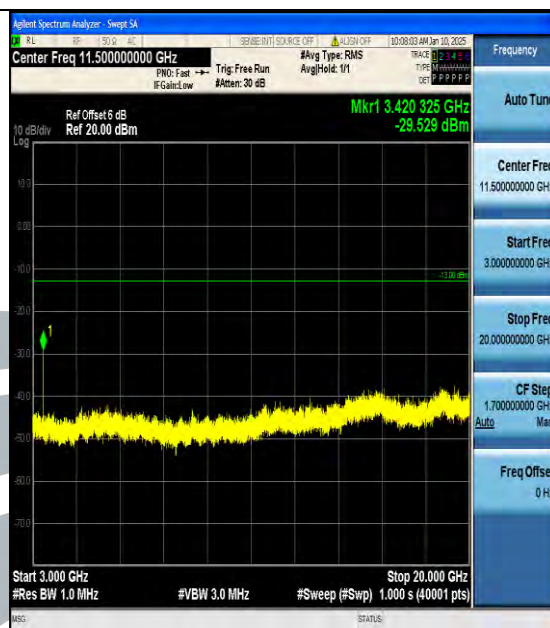
Band66_3MHz_QPSK_132657_1RB#0_3000~20000_3000~20000



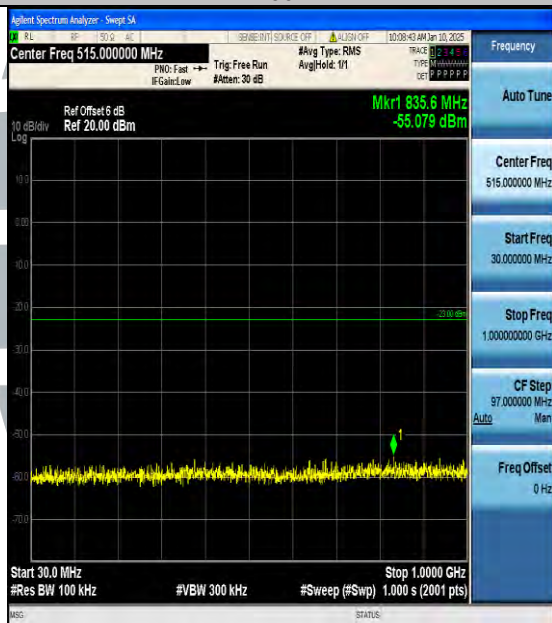
Band66_3MHz_16QAM_131987_1RB#0_30~1000_30~1000



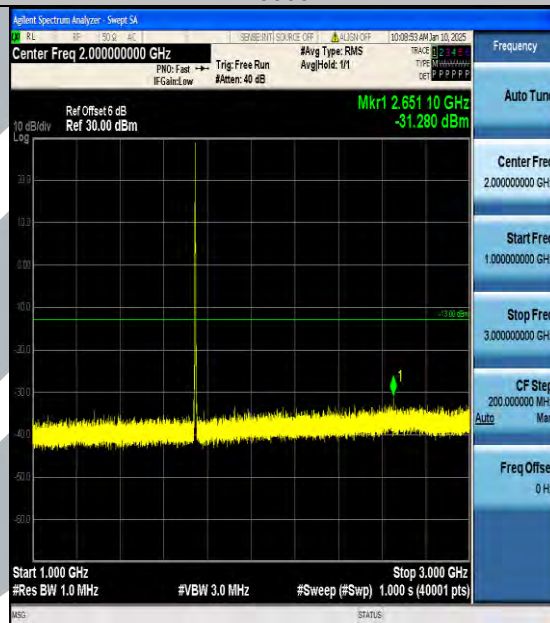
Band66_3MHz_16QAM_131987_1RB#0_1000~3000_1000~3000



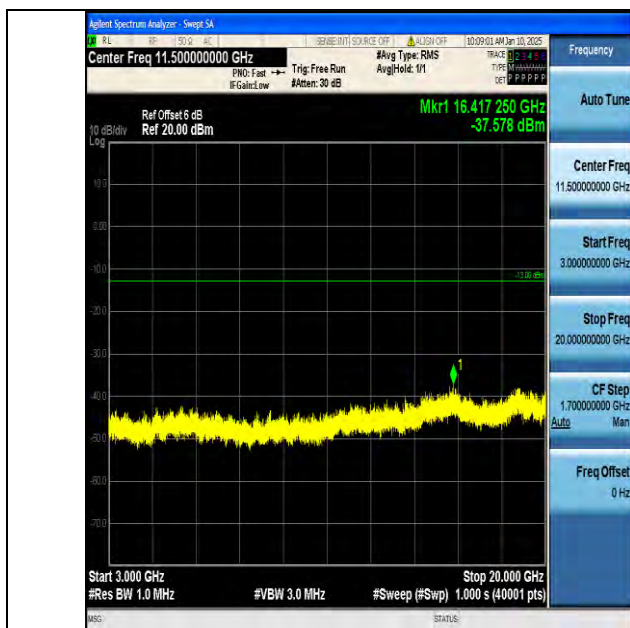
Band66_3MHz_16QAM_131987_1RB#0_3000~20000_3000~20000



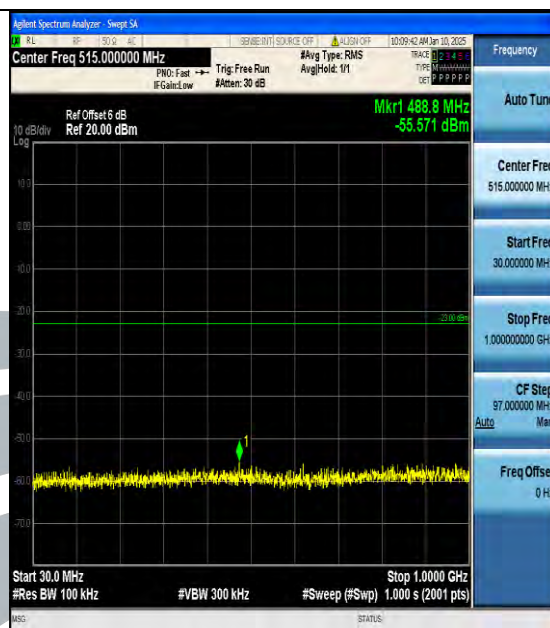
Band66_3MHz_16QAM_132322_1RB#0_30~1000_30~1000



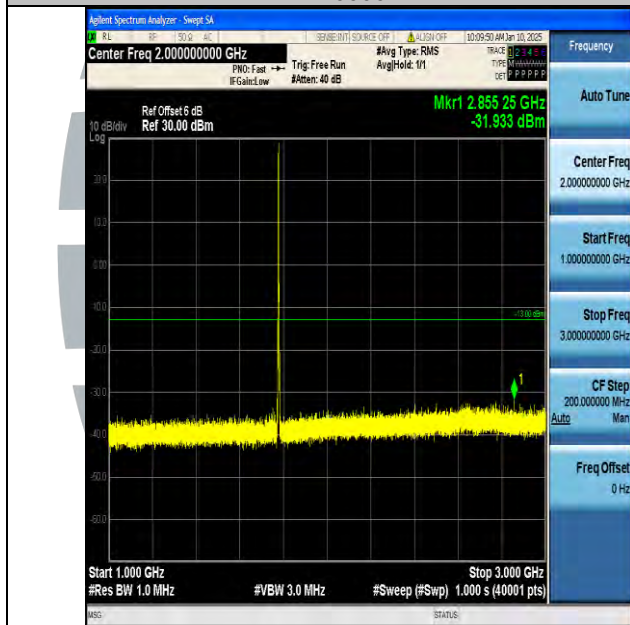
Band66_3MHz_16QAM_132322_1RB#0_1000~3000_1000~3000



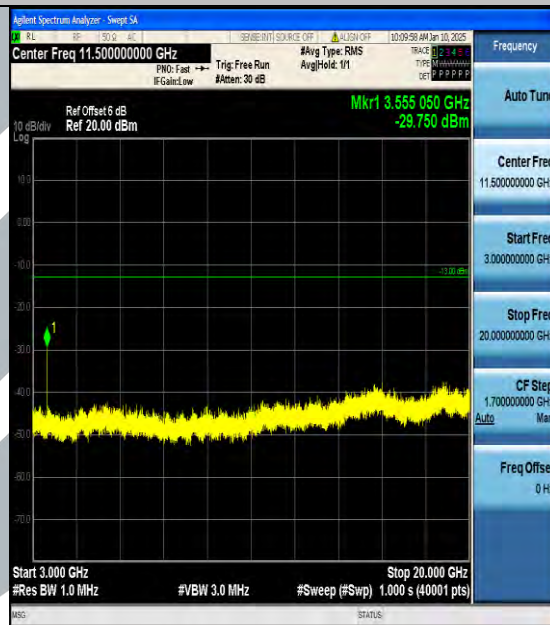
Band66_3MHz_16QAM_132322_1RB#0_3000~20000_3000~20000



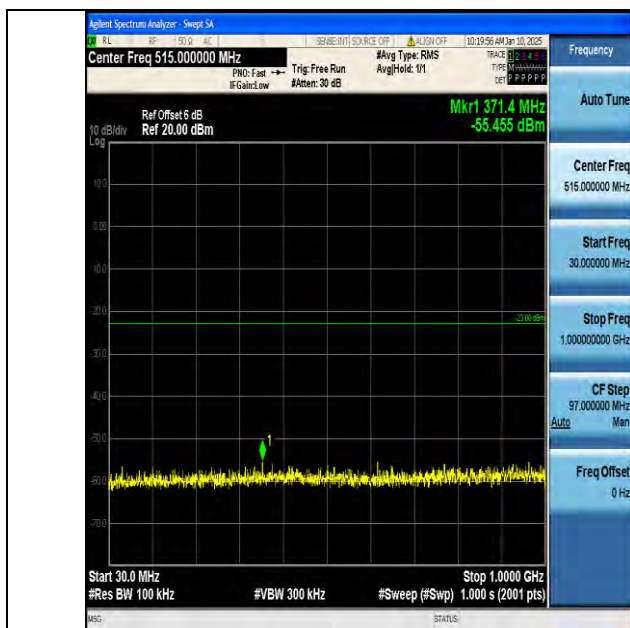
Band66_3MHz_16QAM_132657_1RB#0_30~1000_30~1000



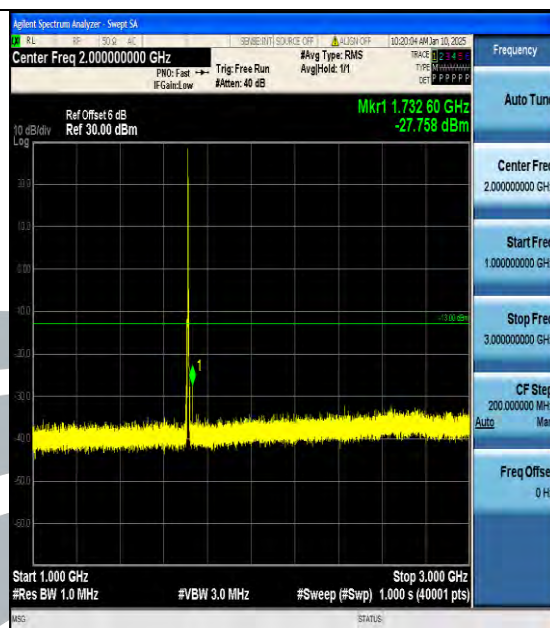
Band66_3MHz_16QAM_132657_1RB#0_1000~3000_1000~3000



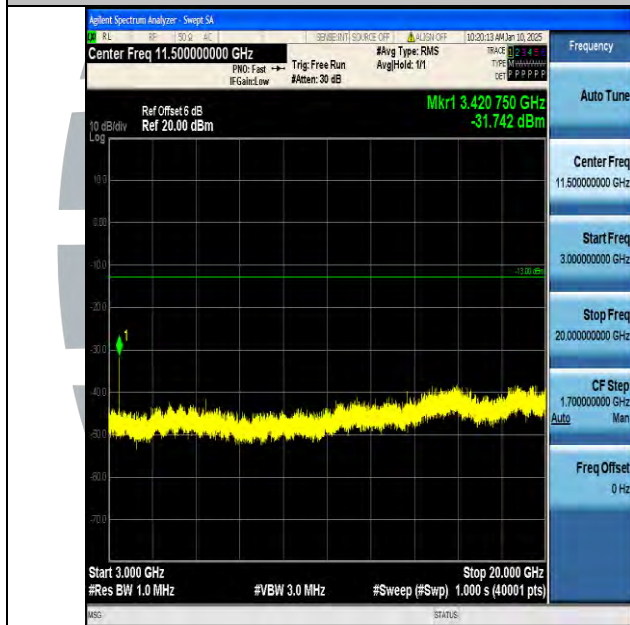
Band66_3MHz_16QAM_132657_1RB#0_3000~20000_3000~20000



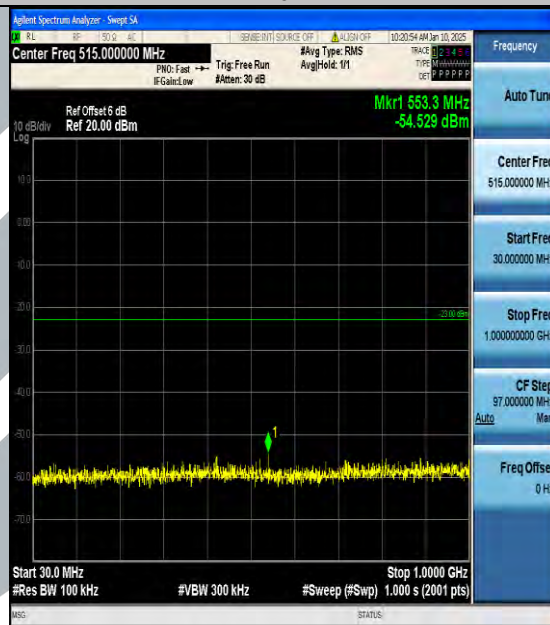
Band66_5MHz_QPSK_131997_1RB#0_30~1000_30~1000



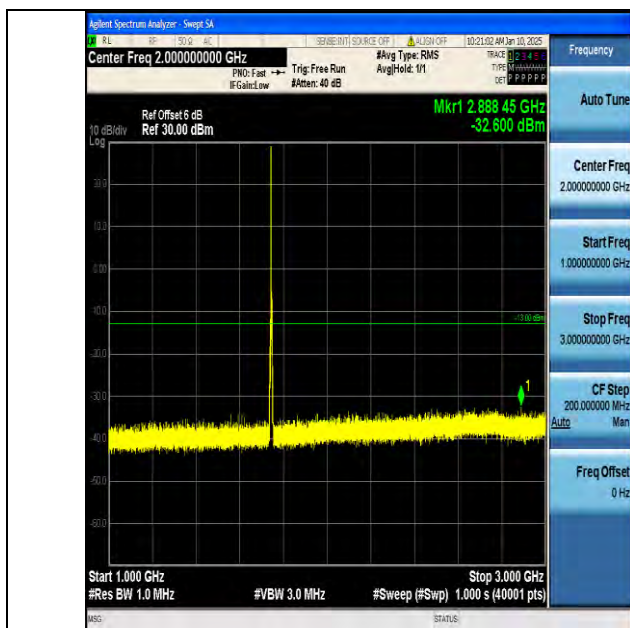
Band66_5MHz_QPSK_131997_1RB#0_1000~3000_1000~3000



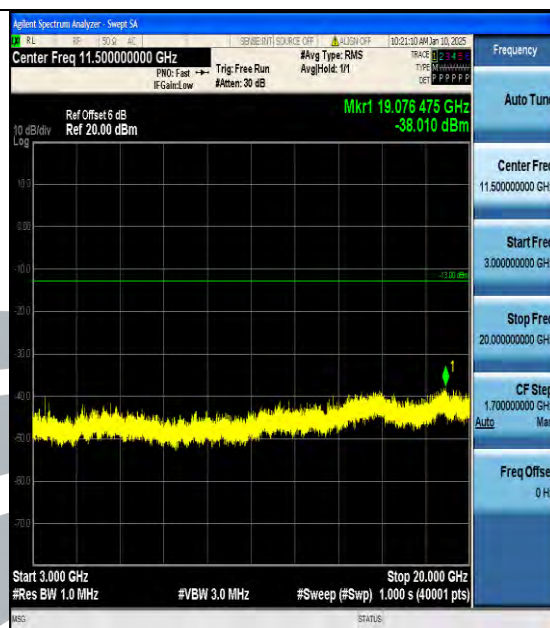
Band66_5MHz_QPSK_131997_1RB#0_3000~20000_3000~20000



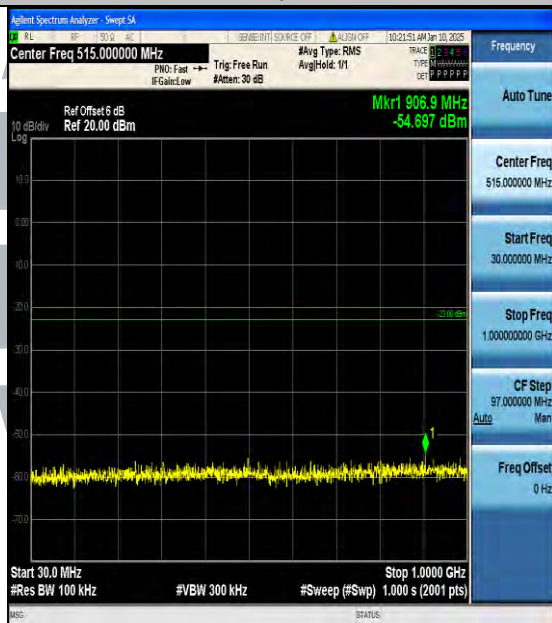
Band66_5MHz_QPSK_132322_1RB#0_30~1000_30~1000



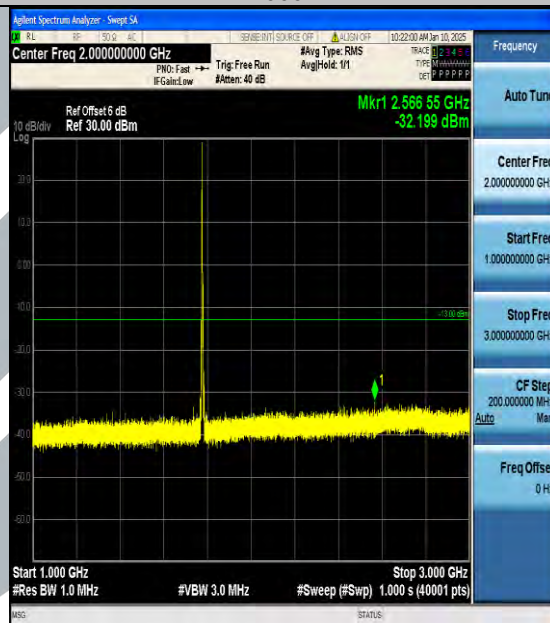
Band66_5MHz_QPSK_132322_1RB#0_1000~3000_1000~3000



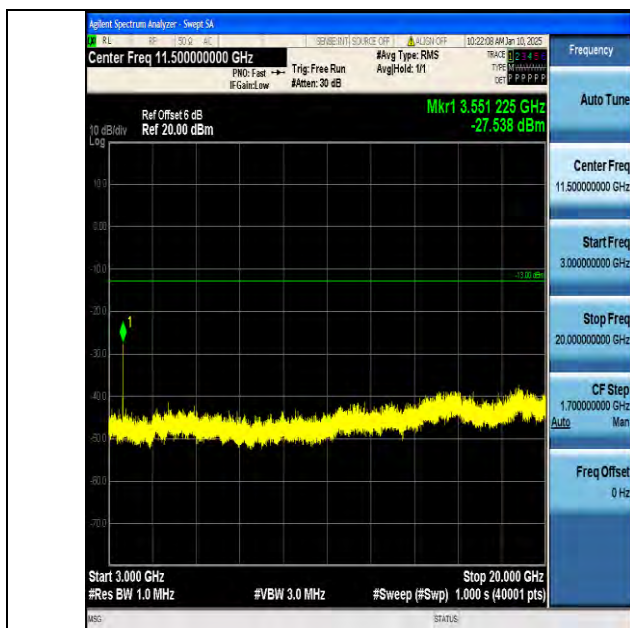
Band66_5MHz_QPSK_132322_1RB#0_3000~20000_3000~20000



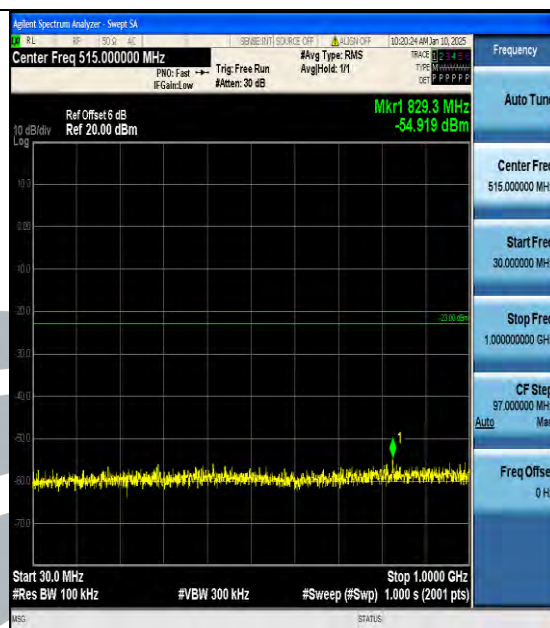
Band66_5MHz_QPSK_132647_1RB#0_30~1000_30~1000



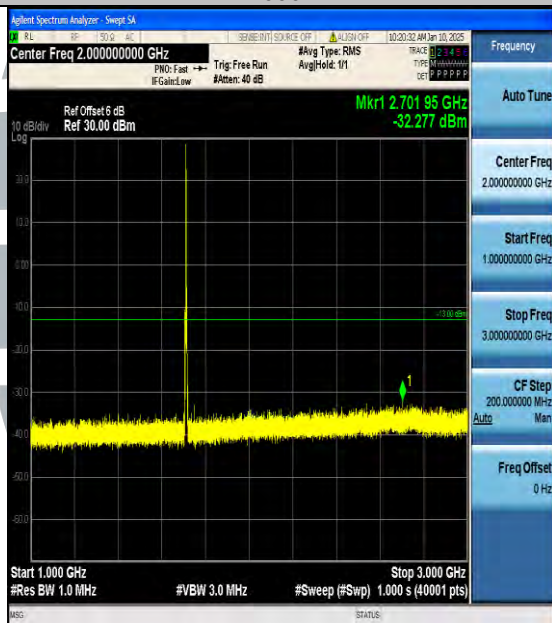
Band66_5MHz_QPSK_132647_1RB#0_1000~3000_1000~3000



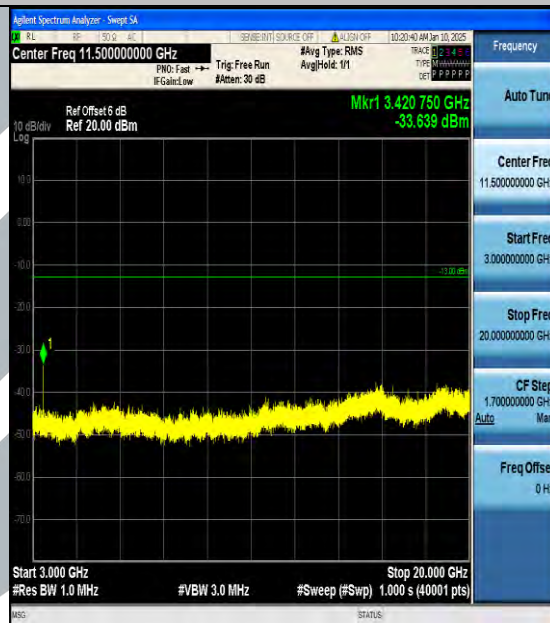
Band66_5MHz_QPSK_132647_1RB#0_3000~20000_3000~20000



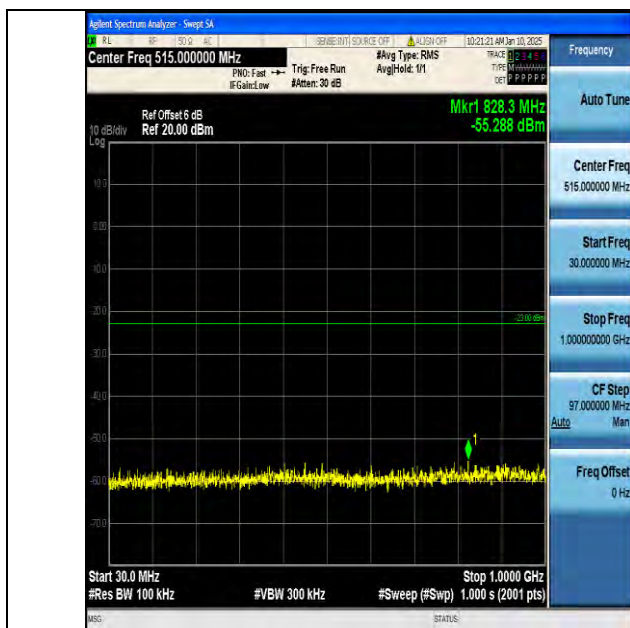
Band66_5MHz_16QAM_131997_1RB#0_30~1000_30~1000



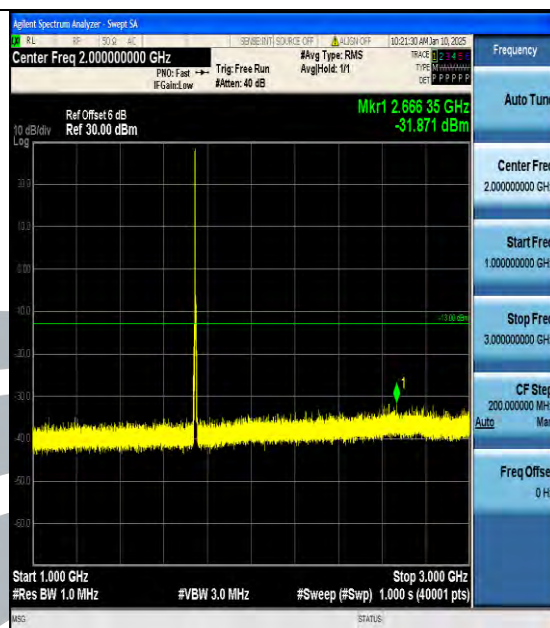
Band66_5MHz_16QAM_131997_1RB#0_1000~3000_1000~3000



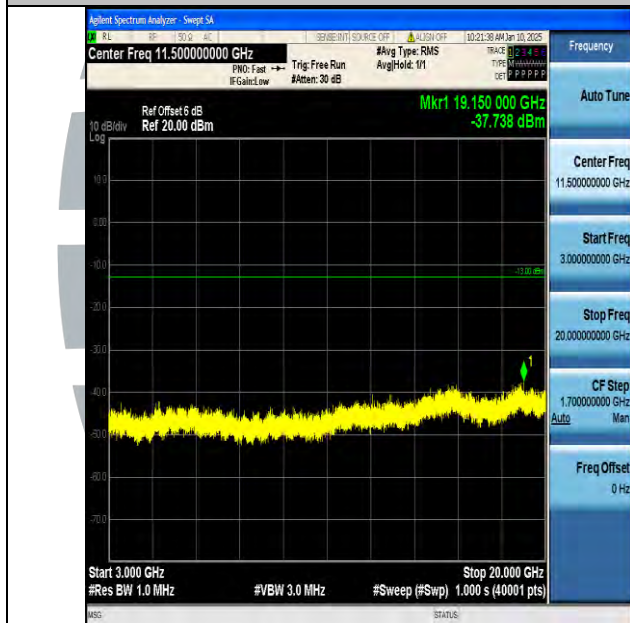
Band66_5MHz_16QAM_131997_1RB#0_3000~20000_3000~20000



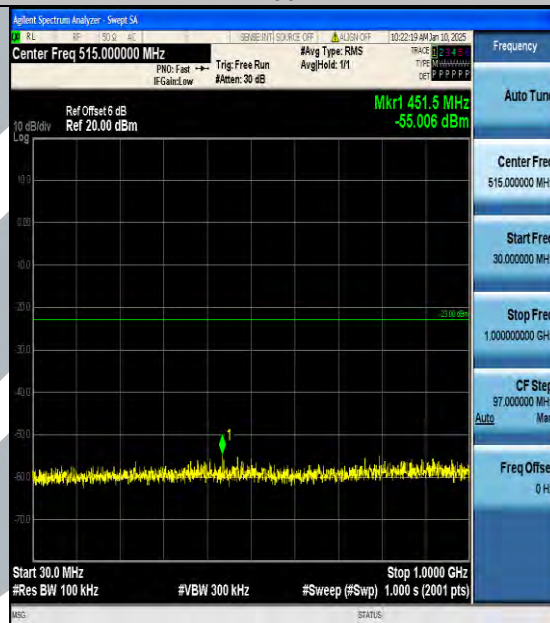
Band66_5MHz_16QAM_132322_1RB#0_30~1000_30~1000



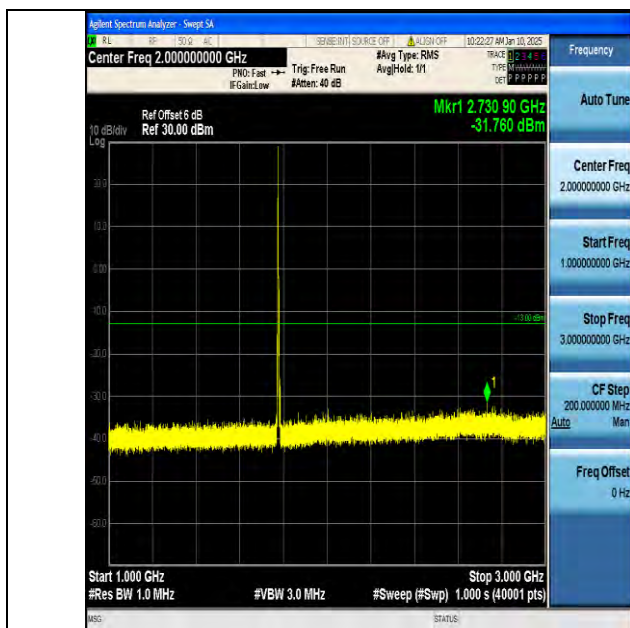
Band66_5MHz_16QAM_132322_1RB#0_1000~3000_1000~3000



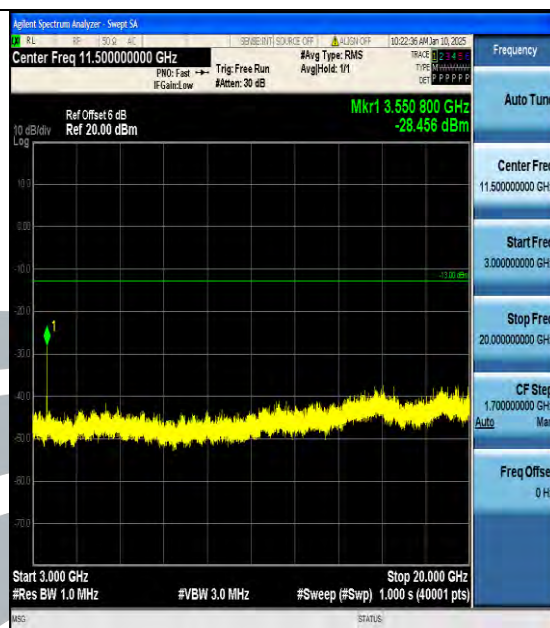
Band66_5MHz_16QAM_132322_1RB#0_3000~20000_3000~20000



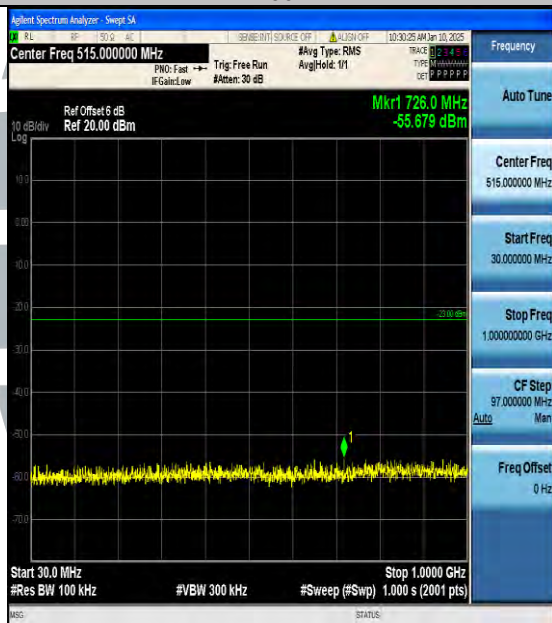
Band66_5MHz_16QAM_132647_1RB#0_30~1000_30~1000



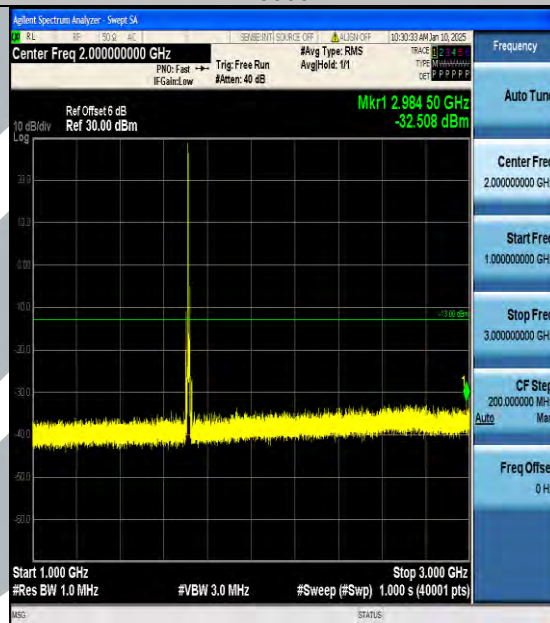
Band66_5MHz_16QAM_132647_1RB#0_1000~3000_1000~3000



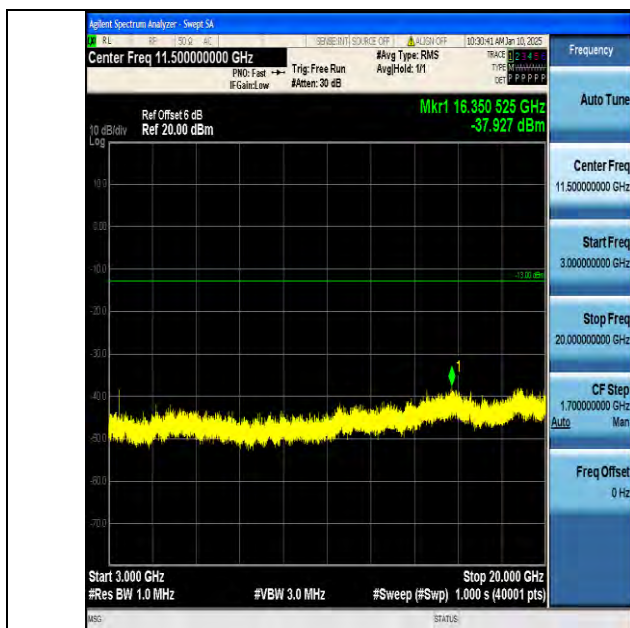
Band66_5MHz_16QAM_132647_1RB#0_3000~20000_3000~20000



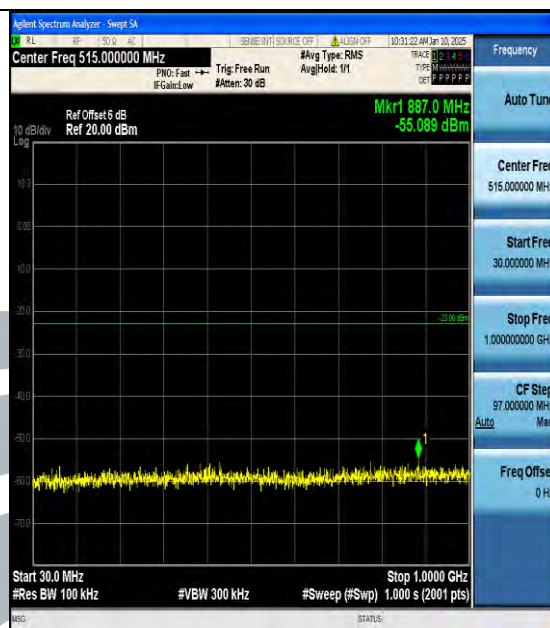
Band66_10MHz_QPSK_132022_1RB#0_30~1000_30~1000



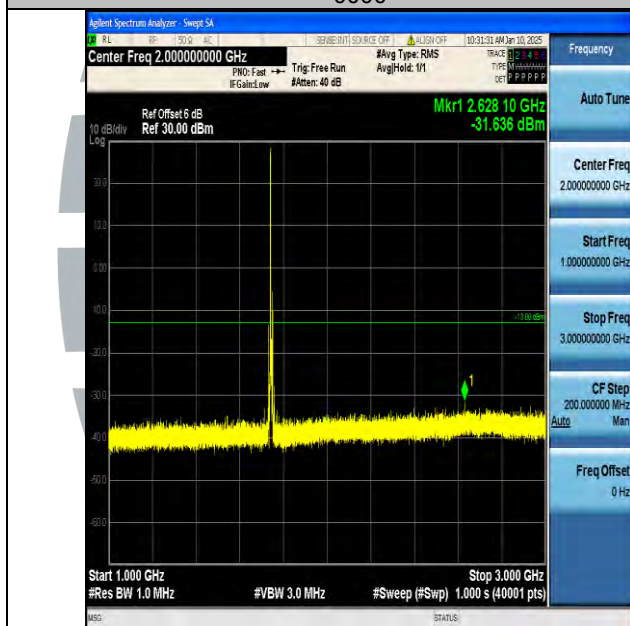
Band66_10MHz_QPSK_132022_1RB#0_1000~3000_1000~3000



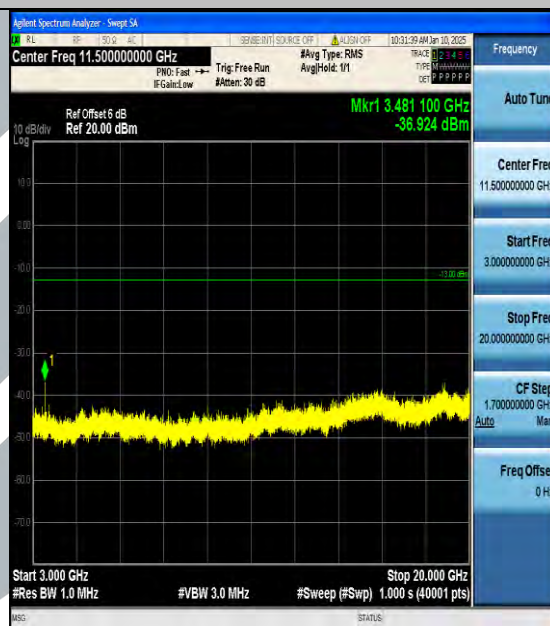
Band66_10MHz_QPSK_132022_1RB#0_3000~20000_3000~20000



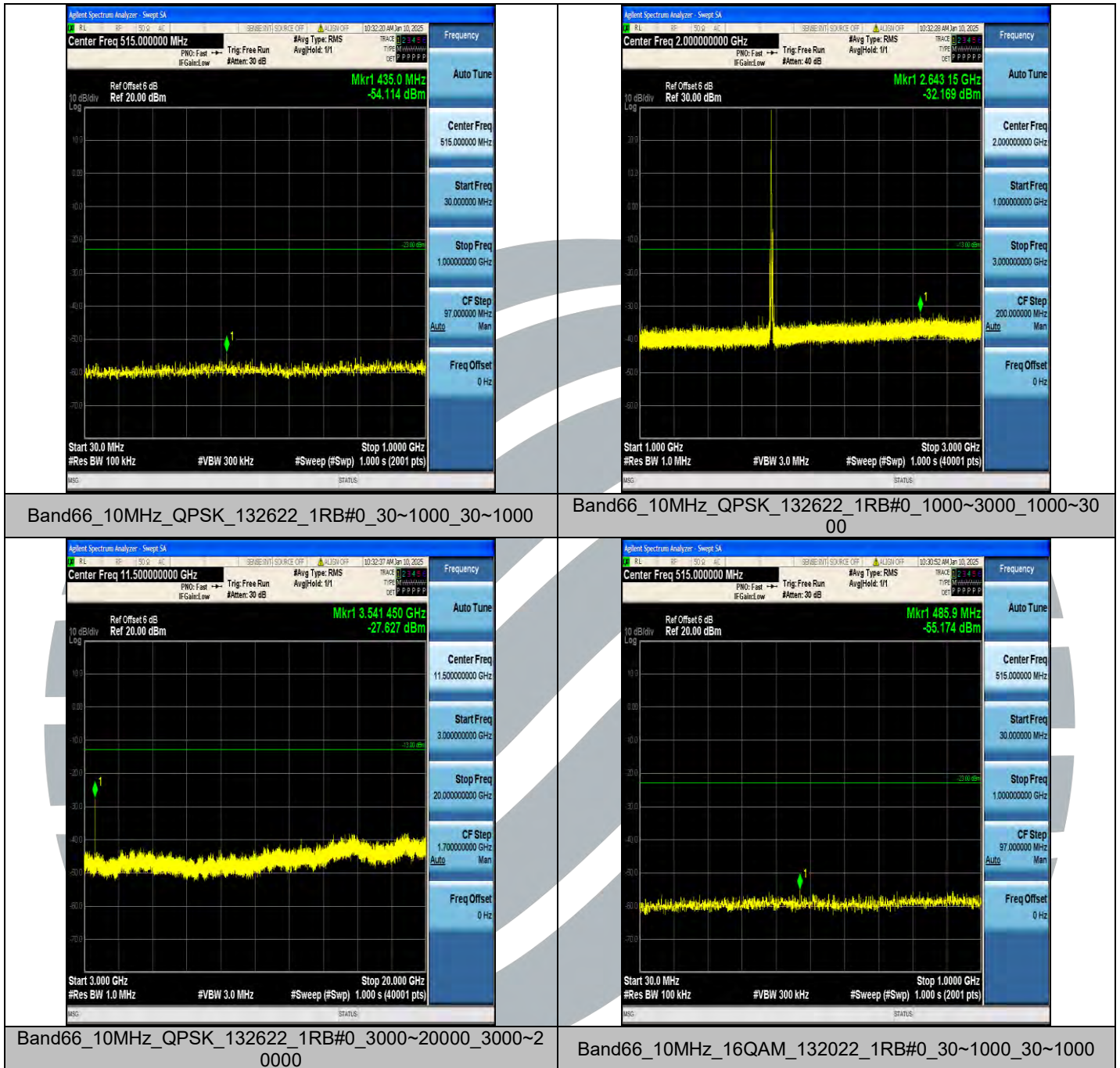
Band66_10MHz_QPSK_132322_1RB#0_30~1000_30~1000

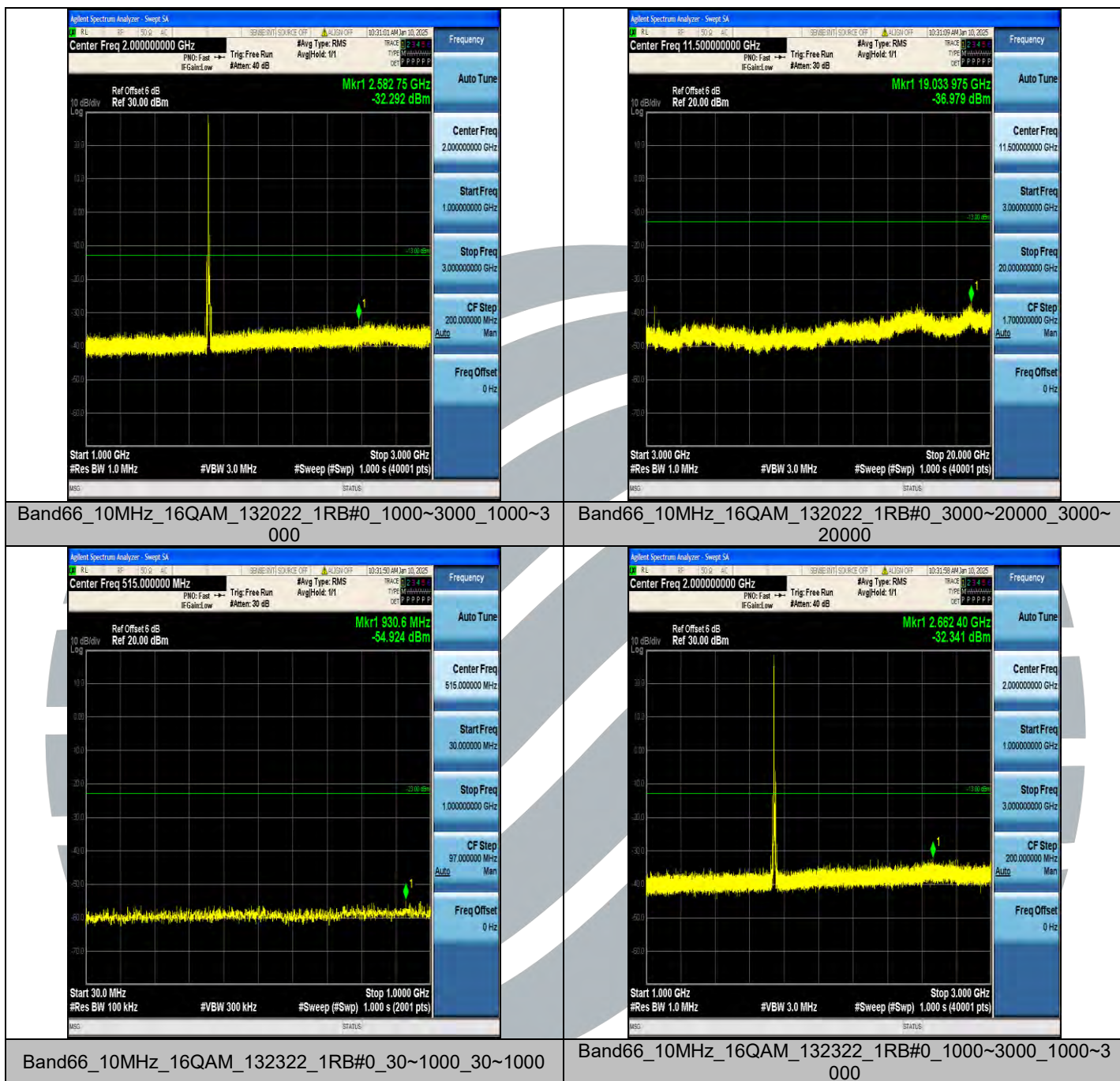


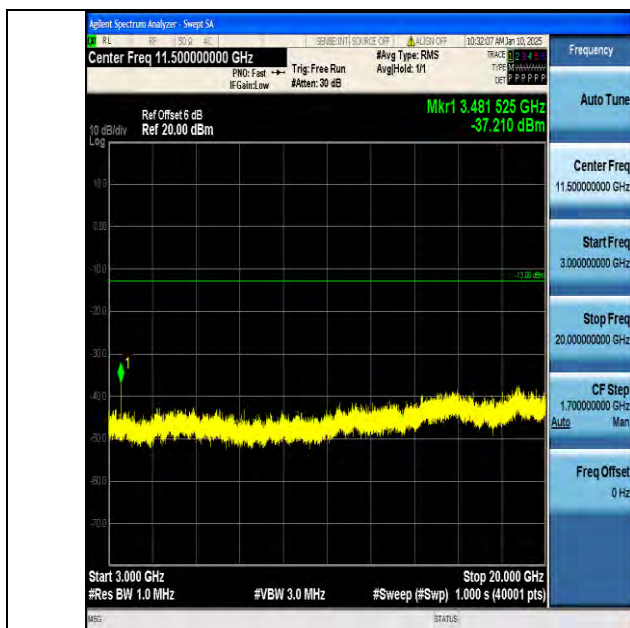
Band66_10MHz_QPSK_132322_1RB#0_1000~3000_1000~3000



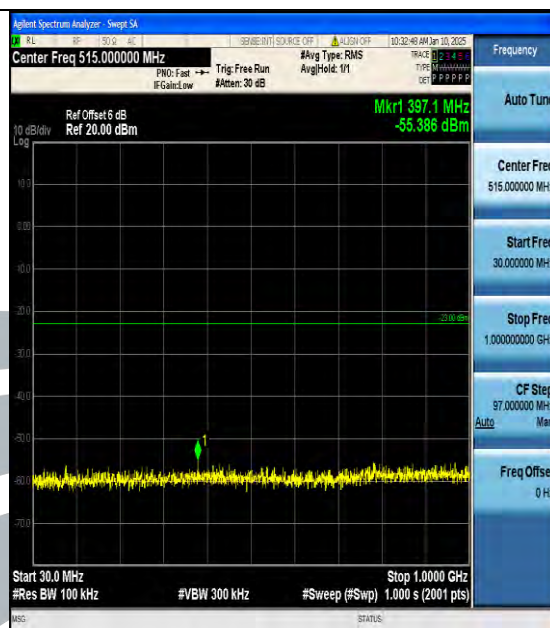
Band66_10MHz_QPSK_132322_1RB#0_3000~20000_3000~20000



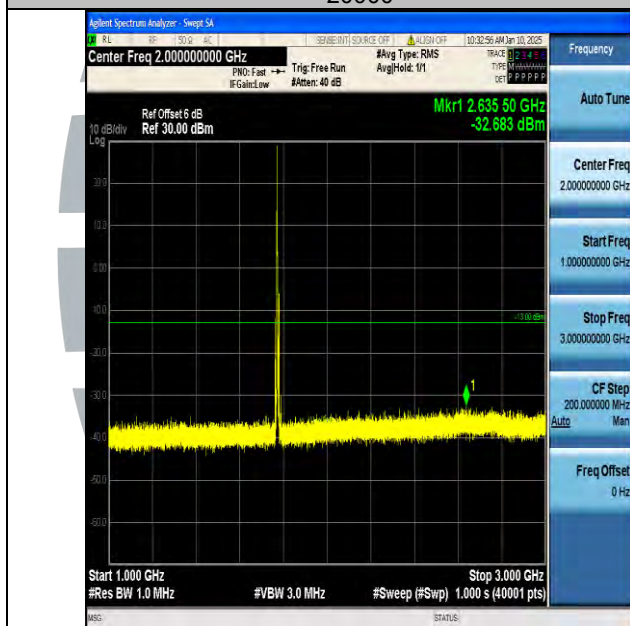




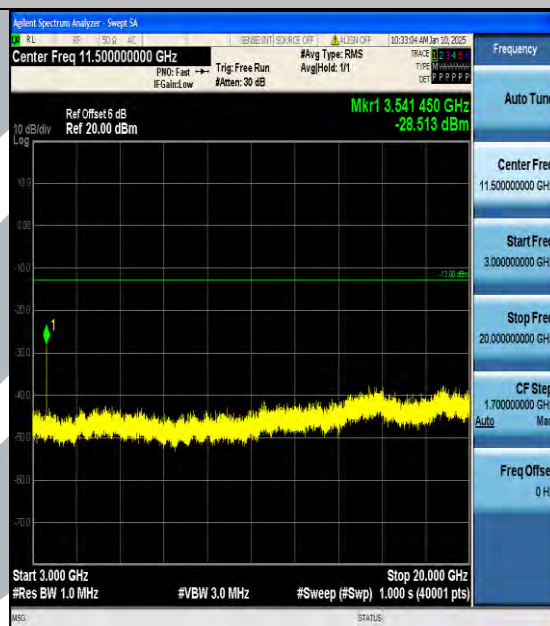
Band66_10MHz_16QAM_132322_1RB#0_3000~20000_3000~20000



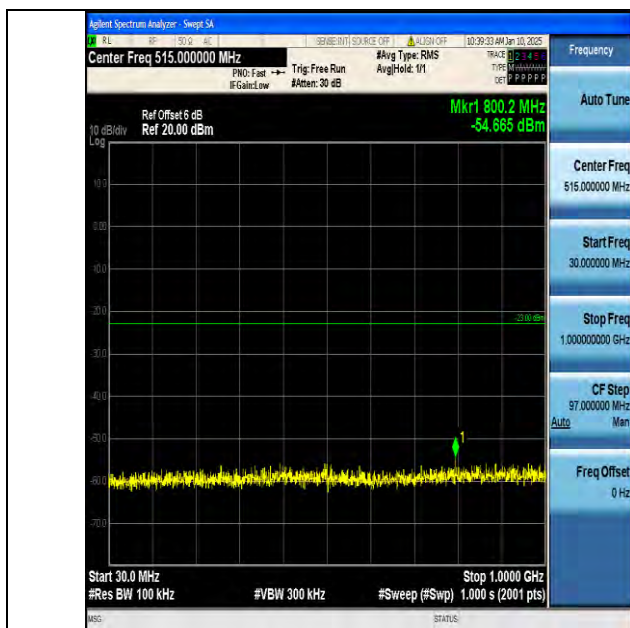
Band66_10MHz_16QAM_132622_1RB#0_30~1000_30~1000



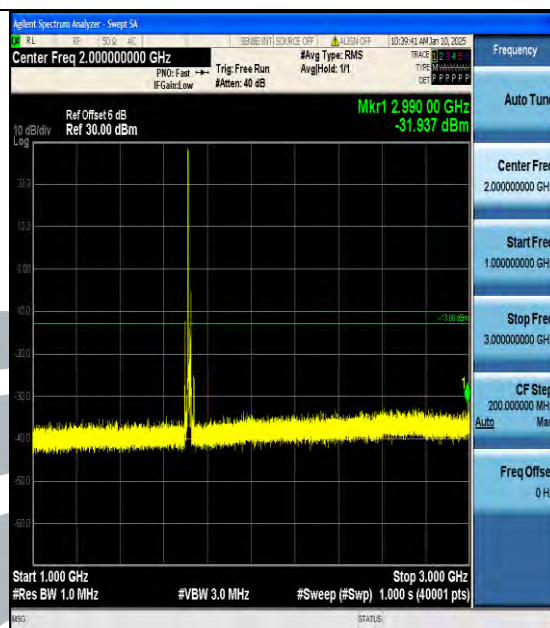
Band66_10MHz_16QAM_132622_1RB#0_1000~3000_1000~3000



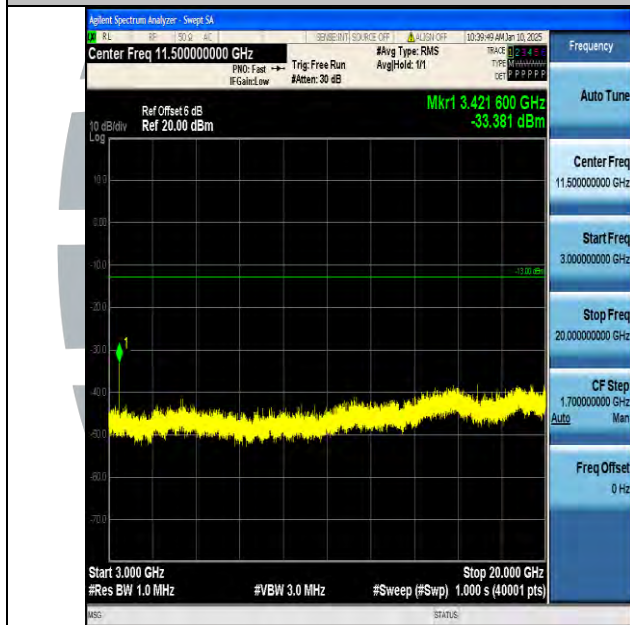
Band66_10MHz_16QAM_132622_1RB#0_3000~20000_3000~20000



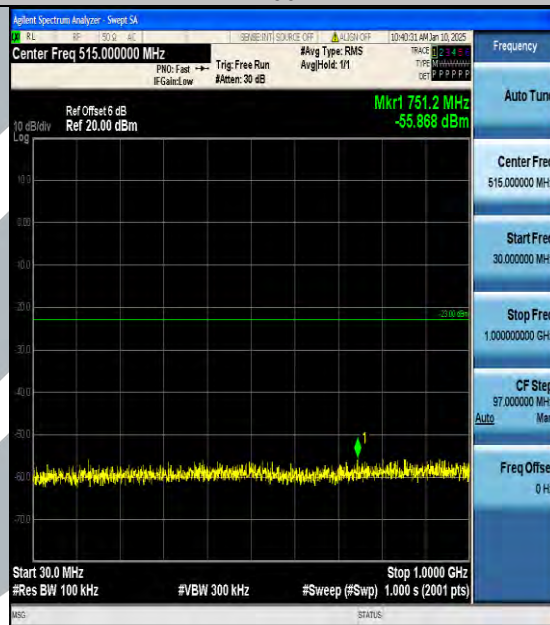
Band66_15MHz_QPSK_132047_1RB#0_30~1000_30~1000



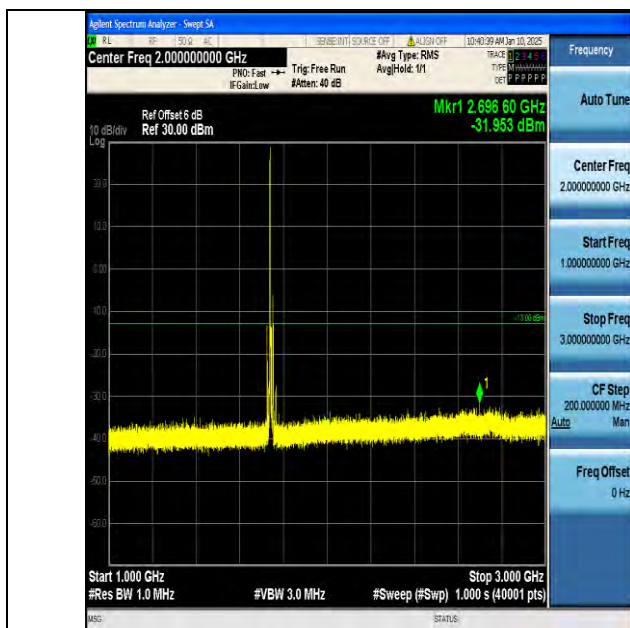
Band66_15MHz_QPSK_132047_1RB#0_1000~3000_1000~3000



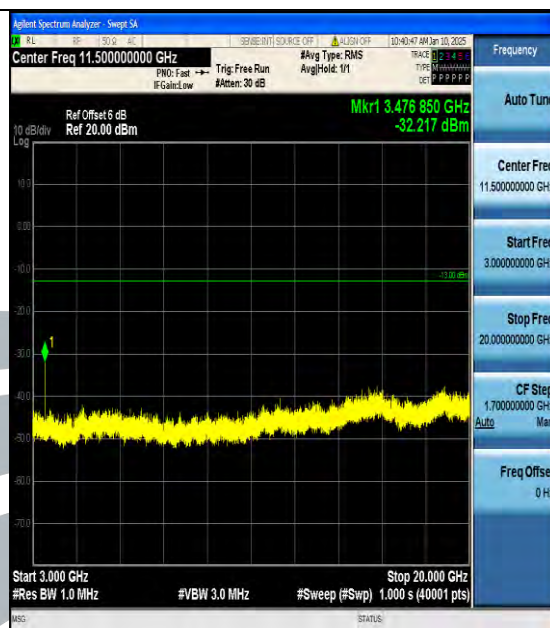
Band66_15MHz_QPSK_132047_1RB#0_3000~20000_3000~20000



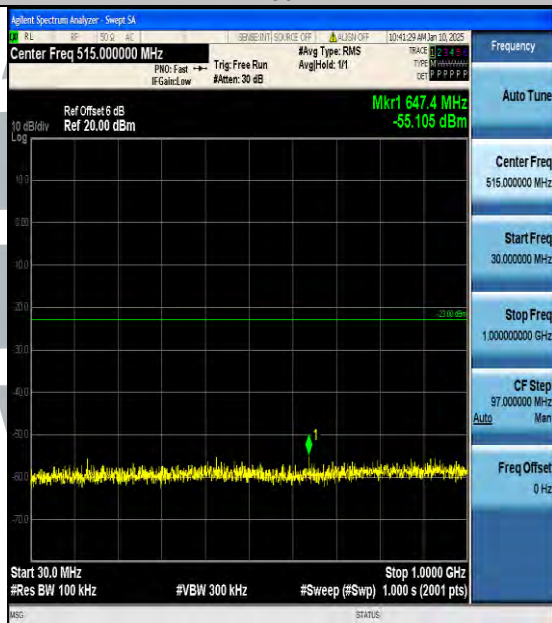
Band66_15MHz_QPSK_132322_1RB#0_30~1000_30~1000



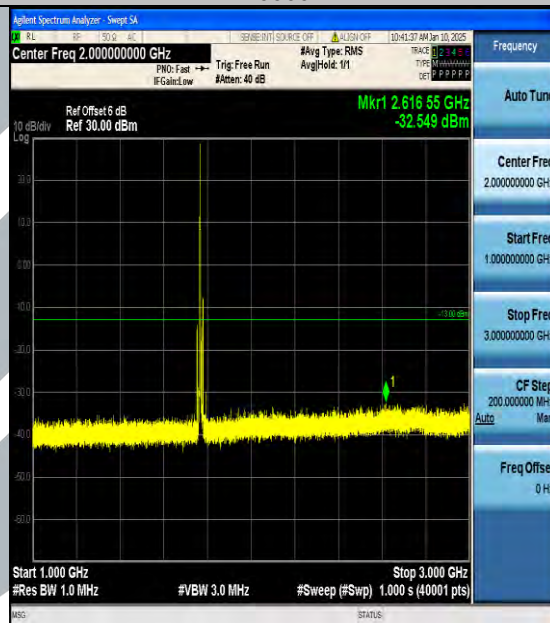
Band66_15MHz_QPSK_132322_1RB#0_1000~3000_1000~3000



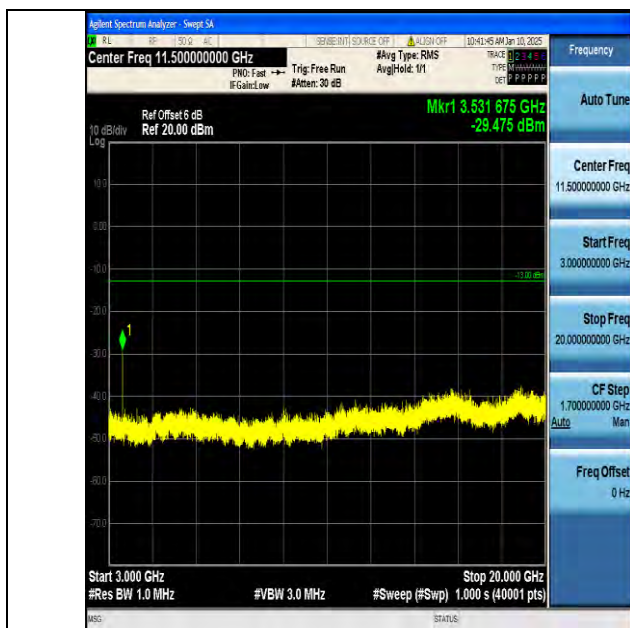
Band66_15MHz_QPSK_132322_1RB#0_3000~20000_3000~20000



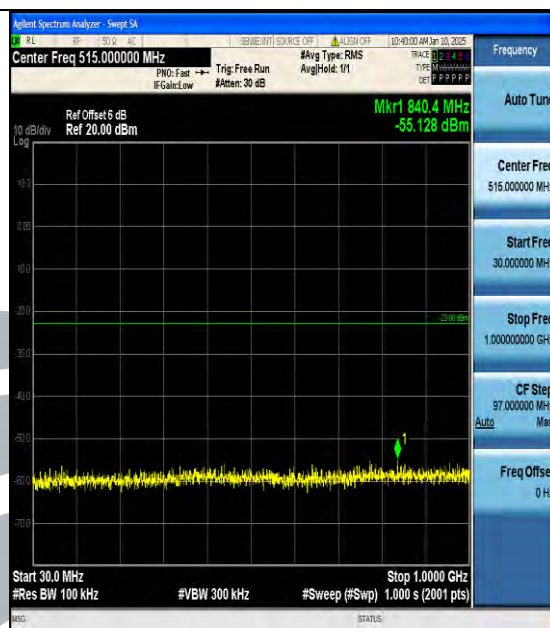
Band66_15MHz_QPSK_132597_1RB#0_30~1000_30~1000



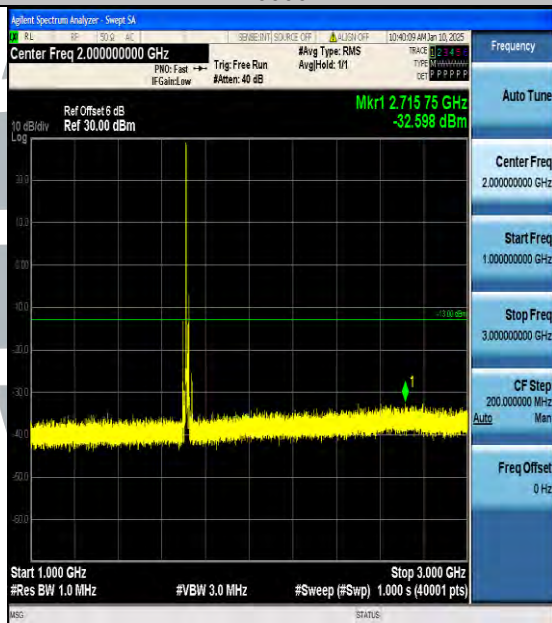
Band66_15MHz_QPSK_132597_1RB#0_1000~3000_1000~3000



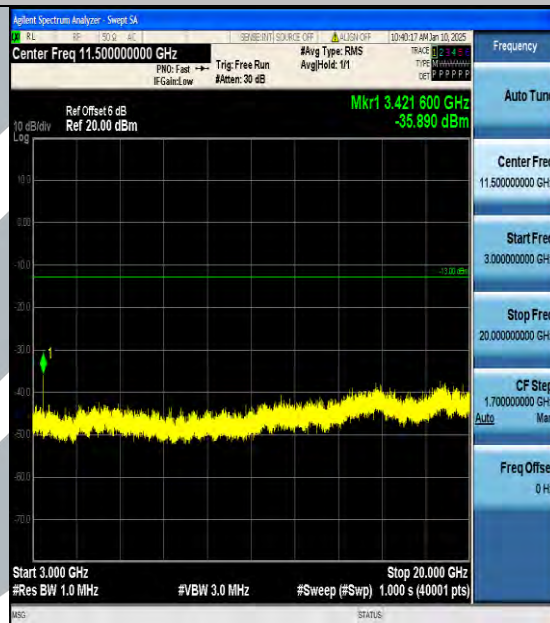
Band66_15MHz_QPSK_132597_1RB#0_3000~20000_3000~20000



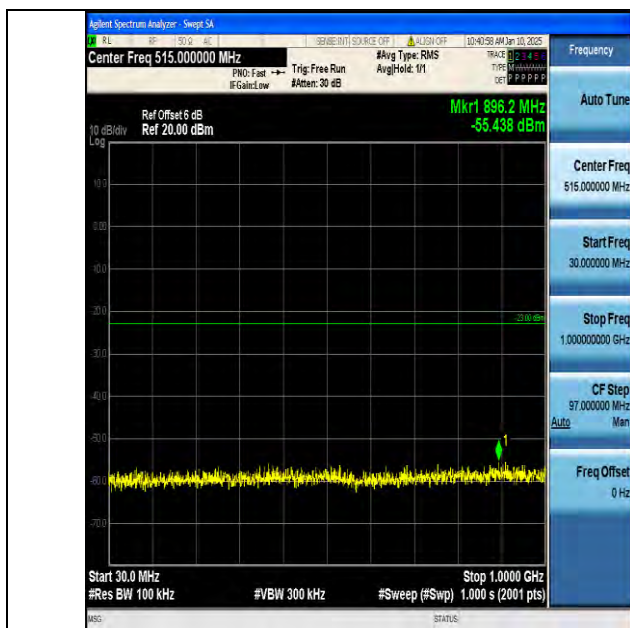
Band66_15MHz_16QAM_132047_1RB#0_30~1000_30~1000



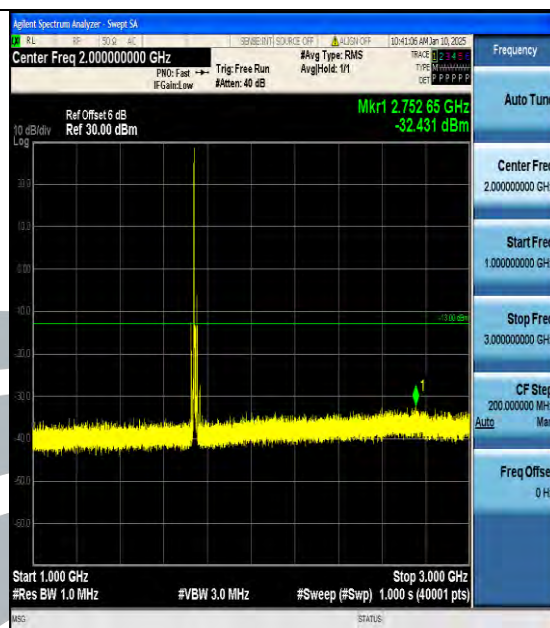
Band66_15MHz_16QAM_132047_1RB#0_1000~3000_1000~3000



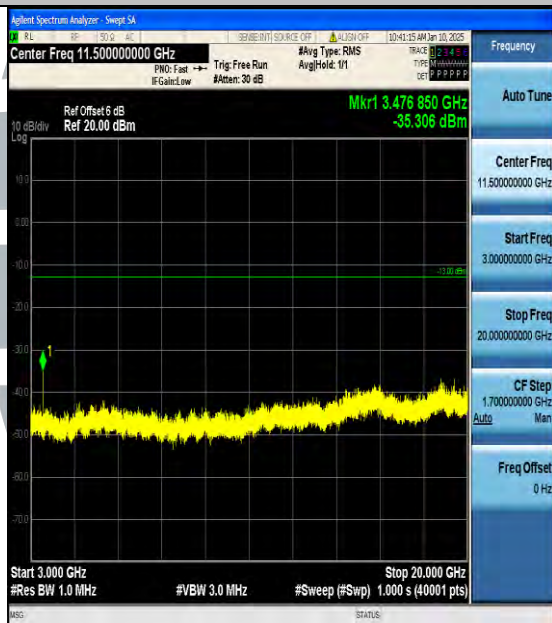
Band66_15MHz_16QAM_132047_1RB#0_3000~20000_3000~20000



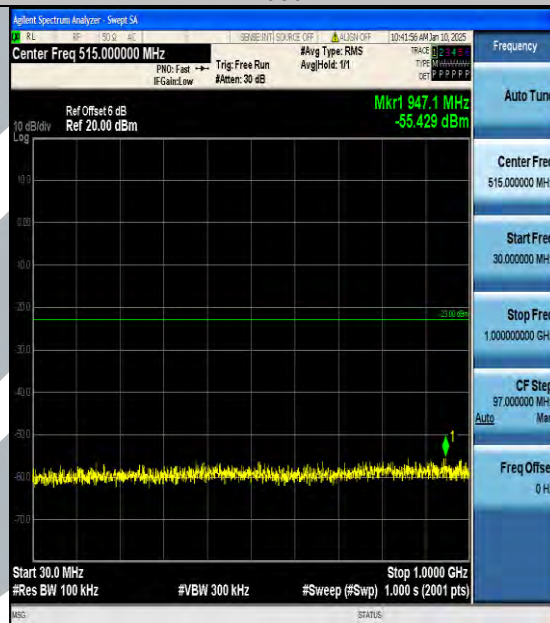
Band66_15MHz_16QAM_132322_1RB#0_30~1000_30~1000



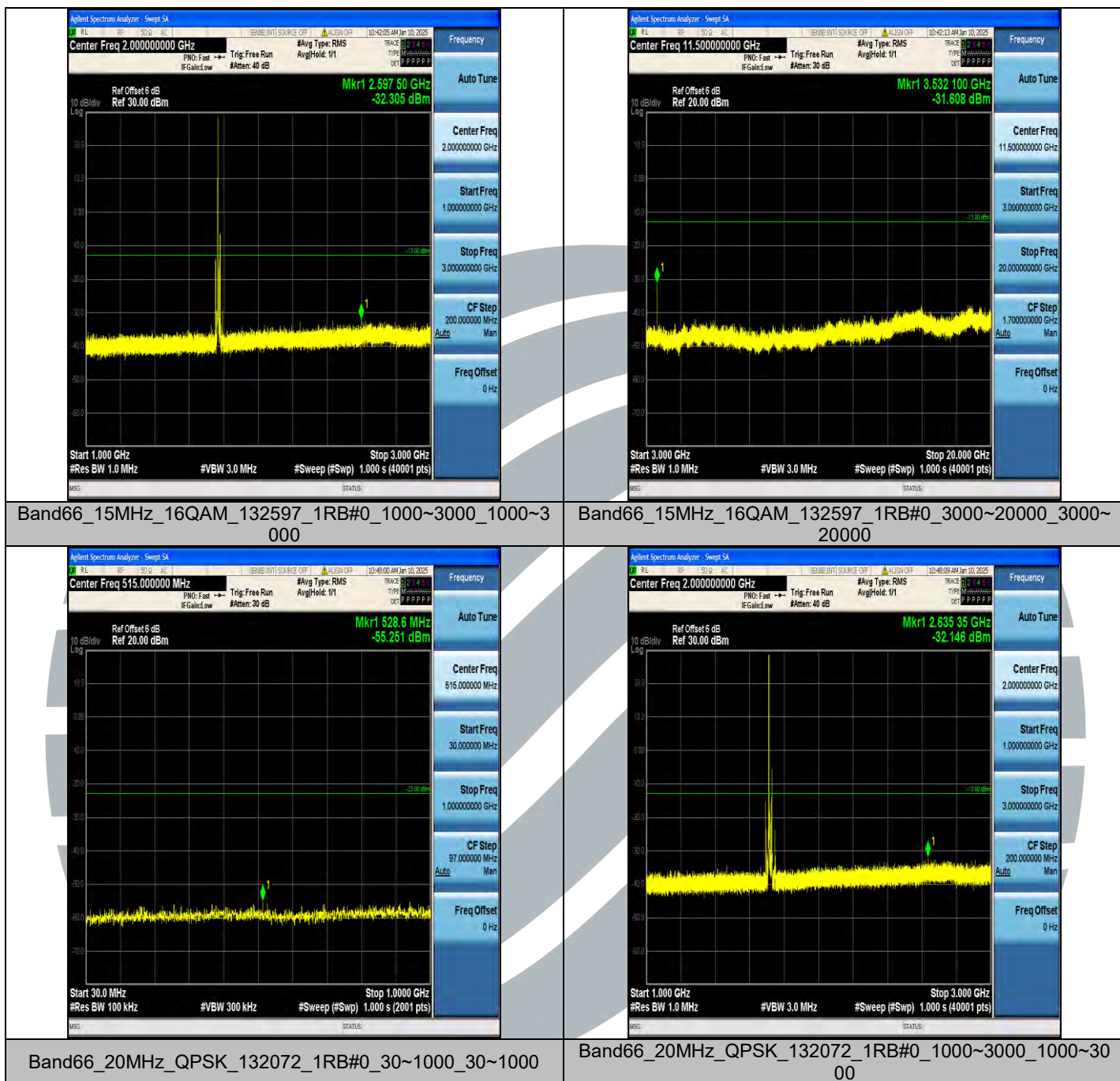
Band66_15MHz_16QAM_132322_1RB#0_1000~3000_1000~3000

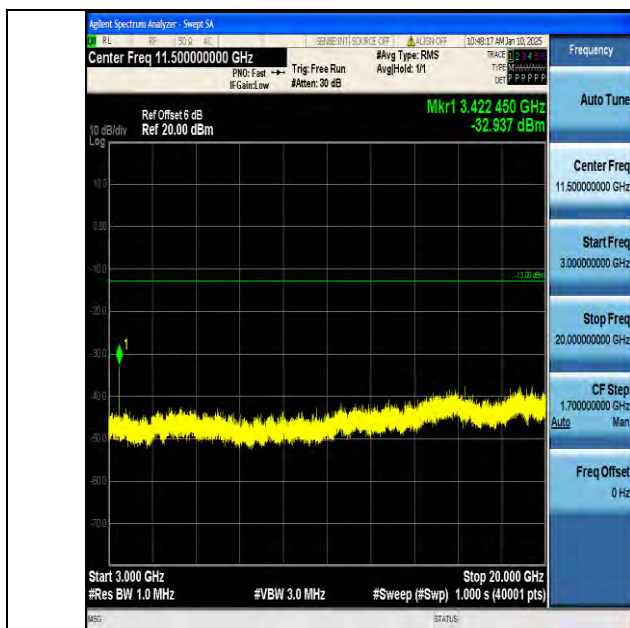


Band66_15MHz_16QAM_132322_1RB#0_3000~20000_3000~20000

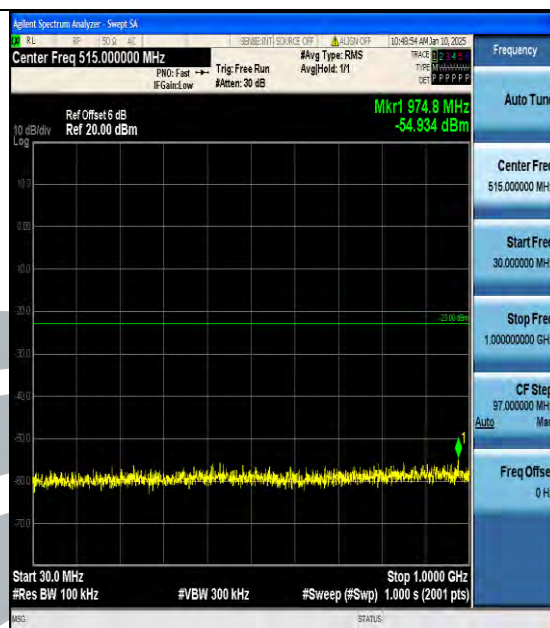


Band66_15MHz_16QAM_132597_1RB#0_30~1000_30~1000

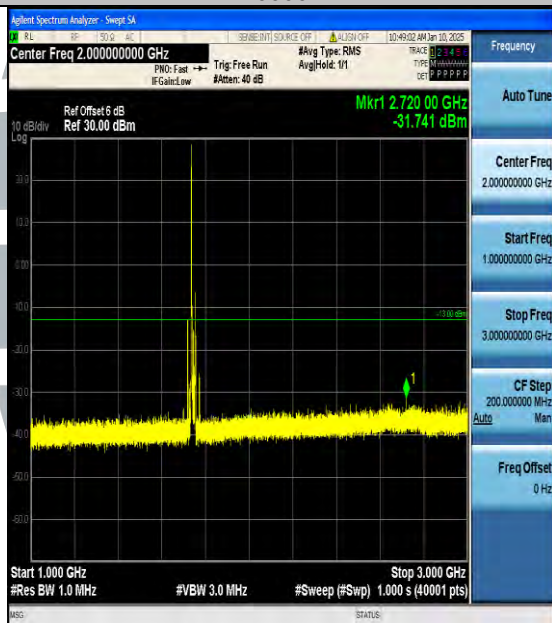




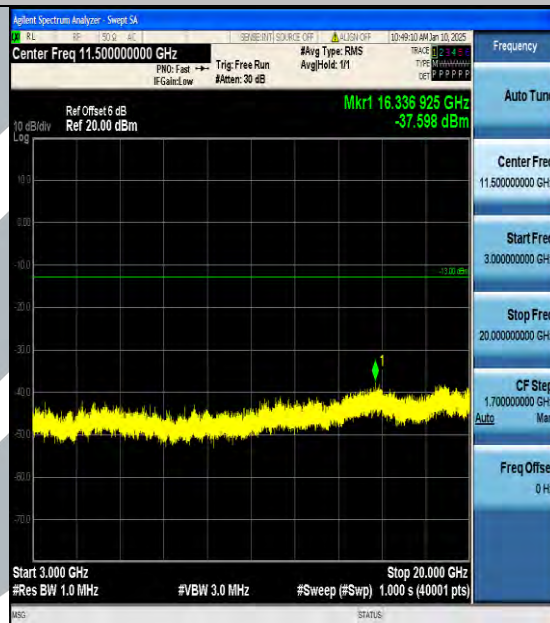
Band66_20MHz_QPSK_132072_1RB#0_3000~20000_3000~20000



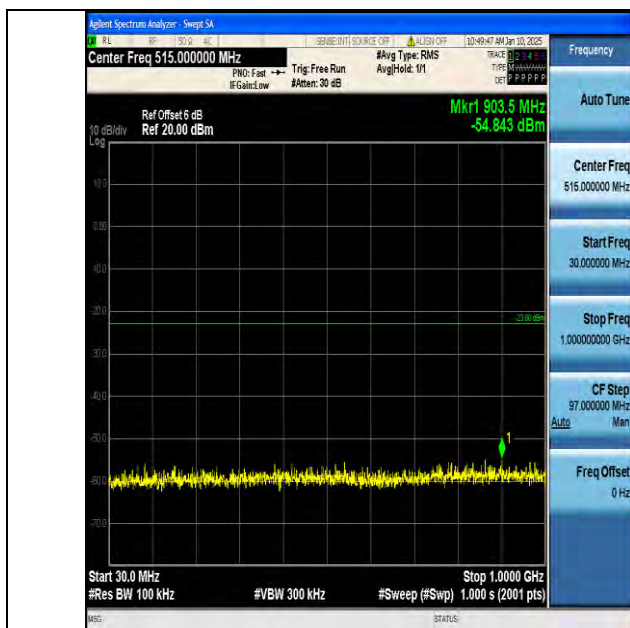
Band66_20MHz_QPSK_132322_1RB#0_30~1000_30~1000



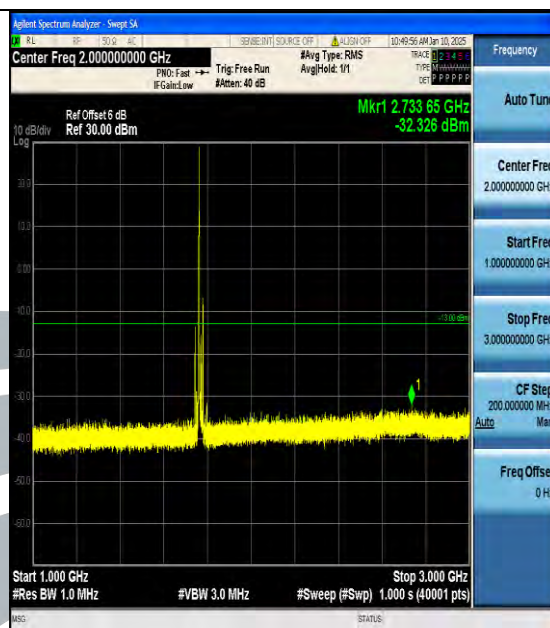
Band66_20MHz_QPSK_132322_1RB#0_1000~3000_1000~3000



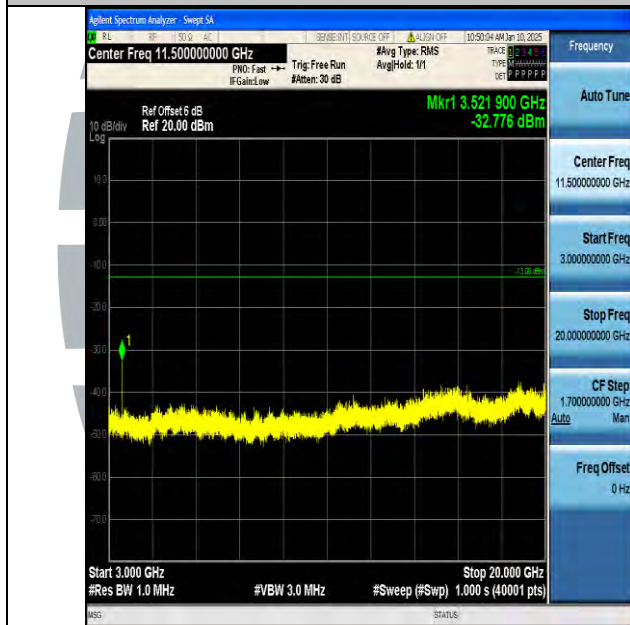
Band66_20MHz_QPSK_132322_1RB#0_3000~20000_3000~20000



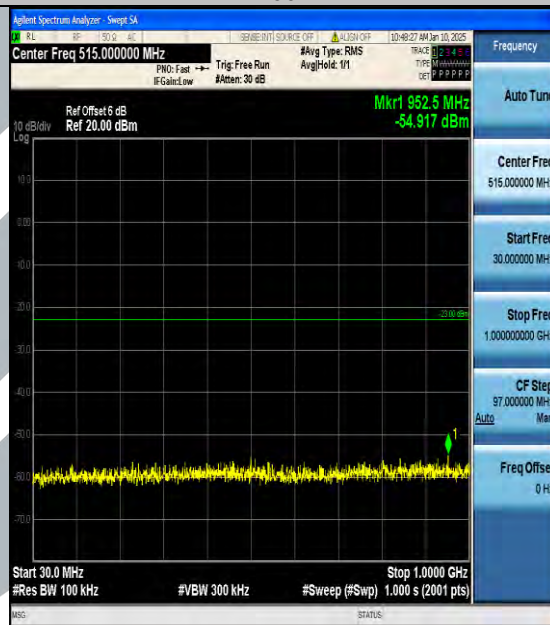
Band66_20MHz_QPSK_132572_1RB#0_30~1000_30~1000



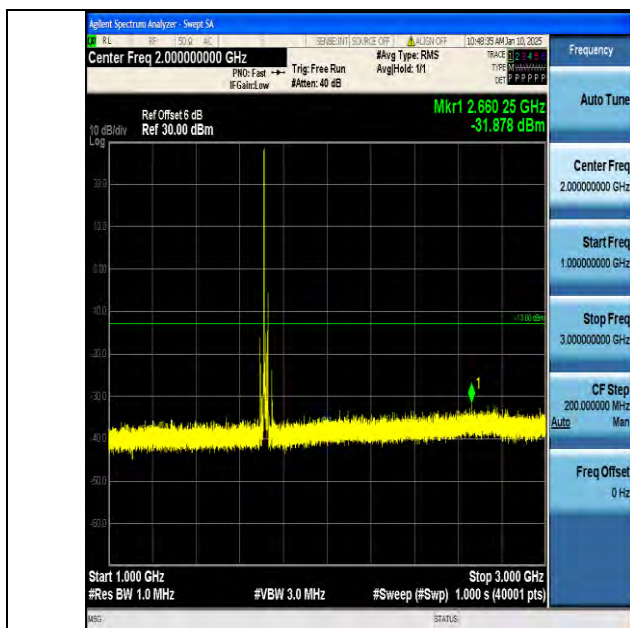
Band66_20MHz_QPSK_132572_1RB#0_1000~3000_1000~3000



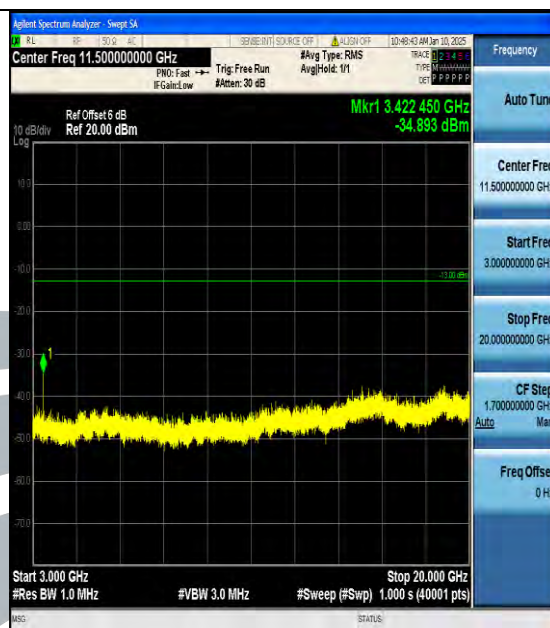
Band66_20MHz_QPSK_132572_1RB#0_3000~20000_3000~20000



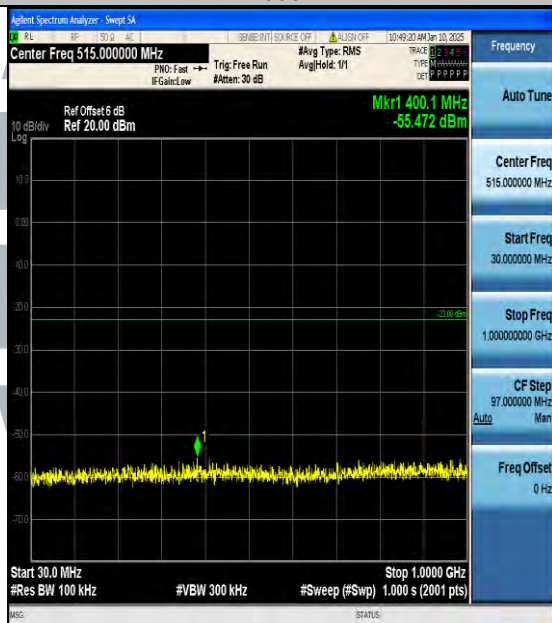
Band66_20MHz_16QAM_132072_1RB#0_30~1000_30~1000



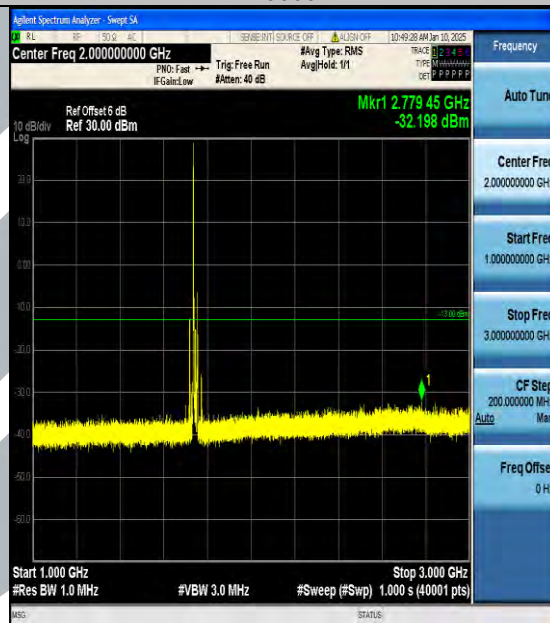
Band66_20MHz_16QAM_132072_1RB#0_1000~3000_1000~3000



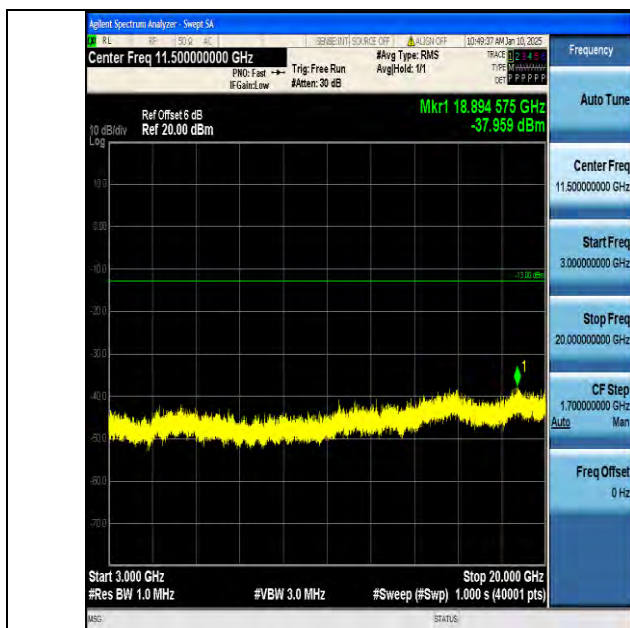
Band66_20MHz_16QAM_132072_1RB#0_3000~20000_3000~20000



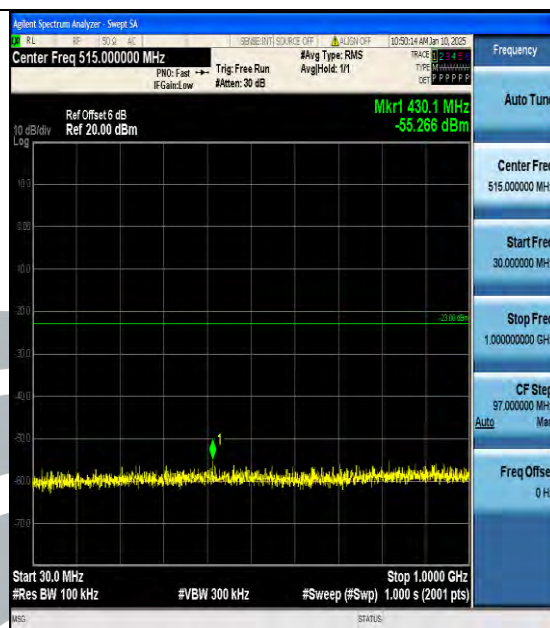
Band66_20MHz_16QAM_132322_1RB#0_30~1000_30~1000



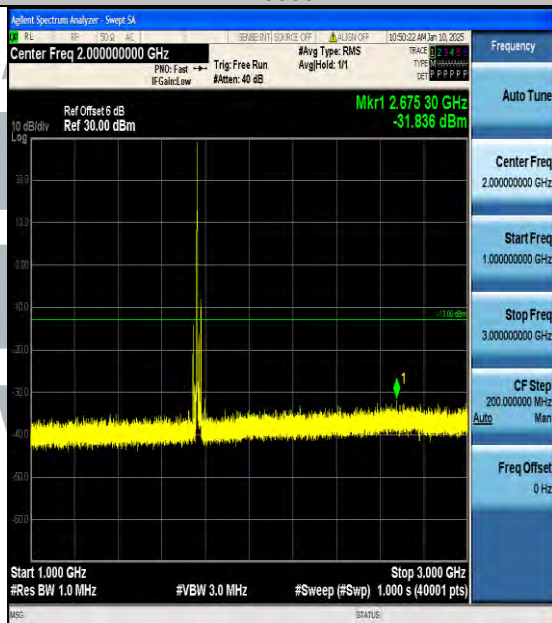
Band66_20MHz_16QAM_132322_1RB#0_1000~3000_1000~3000



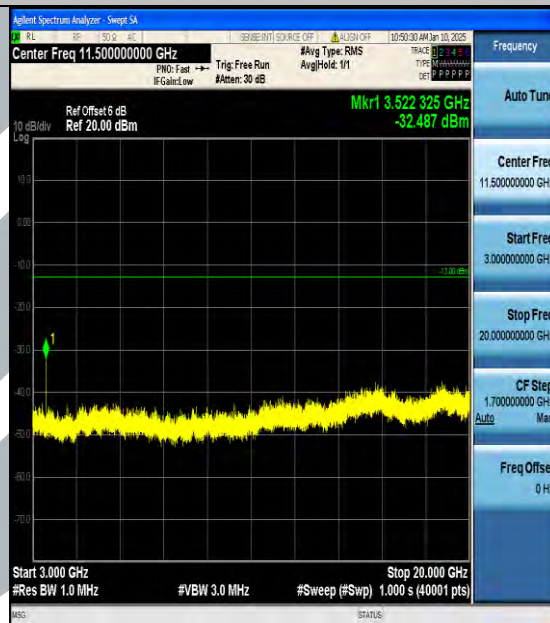
Band66_20MHz_16QAM_132322_1RB#0_3000~20000_3000~20000



Band66_20MHz_16QAM_132572_1RB#0_30~1000_30~1000



Band66_20MHz_16QAM_132572_1RB#0_1000~3000_1000~3000



Band66_20MHz_16QAM_132572_1RB#0_3000~20000_3000~20000

A.5 FREQUENCY STABILITY

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-3.49	-0.001856	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-2.60	-0.001383	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-5.61	-0.002984	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	4.98	0.002874	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	3.48	0.002009	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	6.01	0.003469	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	5.99	0.007161	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	5.14	0.006145	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	4.18	0.004997	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-5.46	-0.002154	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-8.20	-0.003235	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-6.51	-0.002568	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	3.58	0.005060	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	3.93	0.005555	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	3.79	0.005357	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	4.02	0.005141	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	3.83	0.004898	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	3.69	0.004719	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	3.91	0.005507	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	2.89	0.004070	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	3.05	0.004296	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-12.40	-0.004778	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-8.35	-0.003218	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-8.43	-0.003249	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-3.59	-0.002057	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-4.41	-0.002527	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-4.71	-0.002699	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-6.32	-0.003362	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-4.72	-0.002511	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-4.56	-0.002426	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-3.10	-0.001649	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-3.49	-0.001856	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-6.38	-0.003394	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-4.76	-0.002532	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-6.71	-0.003569	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-4.82	-0.002564	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	4.76	0.002747	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	6.27	0.003619	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-4.41	-0.002545	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	3.65	0.002107	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	6.21	0.003584	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	3.53	0.002038	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	4.33	0.002499	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	5.75	0.003319	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	6.29	0.003631	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	3.36	0.004017	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	5.04	0.006025	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	5.59	0.006683	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	2.26	0.002702	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	4.92	0.005882	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	4.08	0.004877	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	3.36	0.004017	±2.5	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCC4G-V1.1

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	NV	40	3.66	0.004375	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	4.66	0.005571	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-6.37	-0.002513	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-6.67	-0.002631	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-7.01	-0.002765	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-3.68	-0.001452	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-7.64	-0.003014	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-5.95	-0.002347	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-9.23	-0.003641	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-9.03	-0.003562	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-8.83	-0.003483	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	3.25	0.004594	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	3.22	0.004551	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	3.55	0.005018	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	4.63	0.006544	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	4.11	0.005809	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	2.98	0.004212	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	1.89	0.002671	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	4.84	0.006841	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	3.76	0.005314	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	4.43	0.005665	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	4.45	0.005691	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	2.45	0.003133	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	4.06	0.005192	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	3.38	0.004322	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	3.19	0.004079	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	3.78	0.004834	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	3.22	0.004118	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	4.05	0.005179	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	4.26	0.006000	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	2.43	0.003423	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	2.99	0.004211	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	3.96	0.005577	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	2.93	0.004127	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	3.23	0.004549	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	3.42	0.004817	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	3.50	0.004930	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	2.49	0.003507	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-6.48	-0.002497	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-11.79	-0.004543	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	-8.74	-0.003368	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-8.21	-0.003164	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-14.49	-0.005584	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-9.50	-0.003661	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-6.85	-0.002640	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-6.65	-0.002563	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-8.08	-0.003114	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-3.92	-0.002246	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-3.96	-0.002269	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-3.58	-0.002052	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-2.40	-0.001375	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	2.53	0.001450	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-3.49	-0.002000	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-3.88	-0.002223	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-3.19	-0.001828	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-3.42	-0.001960	±2.5	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCC4G-V1.1

APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photos.

*** End of Report ***

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of UnionTrust, this report can't be reproduced except in full.
