

## Appendix F: Frequency Stability for SA

### Test Result

#### Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	20	DFT-PI2B PSK	L	Outer_Full	VN	NT	-6.45	0.00	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	VN	NT	21.45	0.01	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	VN	NT	-18.81	-0.01	PASS
N41	30	20	DFT-64QAM	L	Outer_Full	VN	NT	-19.76	-0.01	PASS
N41	30	20	DFT-256QAM	L	Outer_Full	VN	NT	-8.81	0.00	PASS
N41	30	20	CP-QPSK	L	Outer_Full	VN	NT	-0.01	0.00	PASS
N41	30	20	CP-16QAM	L	Outer_Full	VN	NT	-2.45	0.00	PASS
N41	30	20	CP-64QAM	L	Outer_Full	VN	NT	-19.53	-0.01	PASS
N41	30	20	CP-256QAM	L	Outer_Full	VN	NT	-10.07	0.00	PASS
N41	30	20	DFT-PI2B PSK	M	Outer_Full	VN	NT	-4.58	0.00	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	VN	NT	-8.32	0.00	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	VN	NT	-4.50	0.00	PASS
N41	30	20	DFT-64QAM	M	Outer_Full	VN	NT	-25.77	-0.01	PASS
N41	30	20	DFT-256QAM	M	Outer_Full	VN	NT	4.29	0.00	PASS
N41	30	20	CP-QPSK	M	Outer_Full	VN	NT	9.11	0.00	PASS
N41	30	20	CP-16QAM	M	Outer_Full	VN	NT	-21.36	-0.01	PASS

1			M		Full					S
N4 1	30	20	CP-64QA M	M	Outer_ Full	VN	NT	-7.28	0.00	PAS S
N4 1	30	20	CP-256QA M	M	Outer_ Full	VN	NT	-10.70	0.00	PAS S
N4 1	30	20	DFT-PI2B PSK	H	Outer_ Full	VN	NT	-0.30	0.00	PAS S
N4 1	30	20	DFT-QPS K	H	Outer_ Full	VN	NT	-4.81	0.00	PAS S
N4 1	30	20	DFT-16QA M	H	Outer_ Full	VN	NT	-14.54	-0.01	PAS S
N4 1	30	20	DFT-64QA M	H	Outer_ Full	VN	NT	-3.89	0.00	PAS S
N4 1	30	20	DFT-256Q AM	H	Outer_ Full	VN	NT	-13.79	-0.01	PAS S
N4 1	30	20	CP-QPSK	H	Outer_ Full	VN	NT	-19.13	-0.01	PAS S
N4 1	30	20	CP-16QA M	H	Outer_ Full	VN	NT	-16.07	-0.01	PAS S
N4 1	30	20	CP-64QA M	H	Outer_ Full	VN	NT	-13.12	0.00	PAS S
N4 1	30	20	CP-256QA M	H	Outer_ Full	VN	NT	-20.87	-0.01	PAS S
N4 1	30	40	DFT-PI2B PSK	L	Outer_ Full	VN	NT	-22.34	-0.01	PAS S
N4 1	30	40	DFT-QPS K	L	Outer_ Full	VN	NT	-4.14	0.00	PAS S
N4 1	30	40	DFT-16QA M	L	Outer_ Full	VN	NT	-18.81	-0.01	PAS S
N4 1	30	40	DFT-64QA M	L	Outer_ Full	VN	NT	-17.53	-0.01	PAS S
N4 1	30	40	DFT-256Q AM	L	Outer_ Full	VN	NT	-21.30	-0.01	PAS S
N4 1	30	40	CP-QPSK	L	Outer_ Full	VN	NT	6.58	0.00	PAS S
N4 1	30	40	CP-16QA M	L	Outer_ Full	VN	NT	-0.12	0.00	PAS S
N4 1	30	40	CP-64QA M	L	Outer_ Full	VN	NT	-34.10	-0.01	PAS S
N4 1	30	40	CP-256QA M	L	Outer_ Full	VN	NT	-6.33	0.00	PAS S
N4	30	40	DFT-PI2B	M	Outer_ Full	VN	NT	-13.95	-0.01	PAS

1			PSK		Full					S
N4 1	30	40	DFT-QPS K	M	Outer_ Full	VN	NT	8.28	0.00	PAS S
N4 1	30	40	DFT-16QA M	M	Outer_ Full	VN	NT	-8.91	0.00	PAS S
N4 1	30	40	DFT-64QA M	M	Outer_ Full	VN	NT	-0.05	0.00	PAS S
N4 1	30	40	DFT-256Q AM	M	Outer_ Full	VN	NT	-36.72	-0.01	PAS S
N4 1	30	40	CP-QPSK	M	Outer_ Full	VN	NT	-20.71	-0.01	PAS S
N4 1	30	40	CP-16QA M	M	Outer_ Full	VN	NT	-7.25	0.00	PAS S
N4 1	30	40	CP-64QA M	M	Outer_ Full	VN	NT	-15.14	-0.01	PAS S
N4 1	30	40	CP-256QA M	M	Outer_ Full	VN	NT	-9.48	0.00	PAS S
N4 1	30	40	DFT-PI2B PSK	H	Outer_ Full	VN	NT	-3.82	0.00	PAS S
N4 1	30	40	DFT-QPS K	H	Outer_ Full	VN	NT	1.46	0.00	PAS S
N4 1	30	40	DFT-16QA M	H	Outer_ Full	VN	NT	-10.72	0.00	PAS S
N4 1	30	40	DFT-64QA M	H	Outer_ Full	VN	NT	-15.02	-0.01	PAS S
N4 1	30	40	DFT-256Q AM	H	Outer_ Full	VN	NT	-25.12	-0.01	PAS S
N4 1	30	40	CP-QPSK	H	Outer_ Full	VN	NT	-6.23	0.00	PAS S
N4 1	30	40	CP-16QA M	H	Outer_ Full	VN	NT	-6.97	0.00	PAS S
N4 1	30	40	CP-64QA M	H	Outer_ Full	VN	NT	-10.37	0.00	PAS S
N4 1	30	40	CP-256QA M	H	Outer_ Full	VN	NT	-4.30	0.00	PAS S
N4 1	30	60	DFT-PI2B PSK	L	Outer_ Full	VN	NT	-23.09	-0.01	PAS S
N4 1	30	60	DFT-QPS K	L	Outer_ Full	VN	NT	-0.05	0.00	PAS S
N4 1	30	60	DFT-16QA M	L	Outer_ Full	VN	NT	-21.76	-0.01	PAS S
N4 1	30	60	DFT-64QA	L	Outer_ Full	VN	NT	6.54	0.00	PAS

1			M		Full					S
N4 1	30	60	DFT-256Q AM	L	Outer_ Full	VN	NT	4.71	0.00	PAS S
N4 1	30	60	CP-QPSK	L	Outer_ Full	VN	NT	-37.03	-0.01	PAS S
N4 1	30	60	CP-16QA M	L	Outer_ Full	VN	NT	-13.08	-0.01	PAS S
N4 1	30	60	CP-64QA M	L	Outer_ Full	VN	NT	-6.29	0.00	PAS S
N4 1	30	60	CP-256QA M	L	Outer_ Full	VN	NT	-10.85	0.00	PAS S
N4 1	30	60	DFT-PI2B PSK	M	Outer_ Full	VN	NT	6.52	0.00	PAS S
N4 1	30	60	DFT-QPS K	M	Outer_ Full	VN	NT	-25.41	-0.01	PAS S
N4 1	30	60	DFT-16QA M	M	Outer_ Full	VN	NT	-7.83	0.00	PAS S
N4 1	30	60	DFT-64QA M	M	Outer_ Full	VN	NT	-15.83	-0.01	PAS S
N4 1	30	60	DFT-256Q AM	M	Outer_ Full	VN	NT	5.49	0.00	PAS S
N4 1	30	60	CP-QPSK	M	Outer_ Full	VN	NT	-10.64	0.00	PAS S
N4 1	30	60	CP-16QA M	M	Outer_ Full	VN	NT	9.24	0.00	PAS S
N4 1	30	60	CP-64QA M	M	Outer_ Full	VN	NT	-17.83	-0.01	PAS S
N4 1	30	60	CP-256QA M	M	Outer_ Full	VN	NT	8.06	0.00	PAS S
N4 1	30	60	DFT-PI2B PSK	H	Outer_ Full	VN	NT	-4.55	0.00	PAS S
N4 1	30	60	DFT-QPS K	H	Outer_ Full	VN	NT	-21.12	-0.01	PAS S
N4 1	30	60	DFT-16QA M	H	Outer_ Full	VN	NT	-3.61	0.00	PAS S
N4 1	30	60	DFT-64QA M	H	Outer_ Full	VN	NT	9.36	0.00	PAS S
N4 1	30	60	DFT-256Q AM	H	Outer_ Full	VN	NT	-14.14	-0.01	PAS S
N4 1	30	60	CP-QPSK	H	Outer_ Full	VN	NT	-11.06	0.00	PAS S
N4	30	60	CP-16QA	H	Outer_ Full	VN	NT	9.33	0.00	PAS

1			M		Full					S
N4 1	30	60	CP-64QA M	H	Outer_ Full	VN	NT	20.66	0.01	PAS S
N4 1	30	60	CP-256QA M	H	Outer_ Full	VN	NT	3.82	0.00	PAS S
N4 1	30	100	DFT-PI2B PSK	L	Outer_ Full	VN	NT	-10.67	0.00	PAS S
N4 1	30	100	DFT-QPS K	L	Outer_ Full	VN	NT	-2.33	0.00	PAS S
N4 1	30	100	DFT-16QA M	L	Outer_ Full	VN	NT	21.46	0.01	PAS S
N4 1	30	100	DFT-64QA M	L	Outer_ Full	VN	NT	-24.24	-0.01	PAS S
N4 1	30	100	DFT-256Q AM	L	Outer_ Full	VN	NT	-20.82	-0.01	PAS S
N4 1	30	100	CP-QPSK	L	Outer_ Full	VN	NT	-8.24	0.00	PAS S
N4 1	30	100	CP-16QA M	L	Outer_ Full	VN	NT	-36.37	-0.01	PAS S
N4 1	30	100	CP-64QA M	L	Outer_ Full	VN	NT	-37.80	-0.01	PAS S
N4 1	30	100	CP-256QA M	L	Outer_ Full	VN	NT	-18.21	-0.01	PAS S
N4 1	30	100	DFT-PI2B PSK	M	Outer_ Full	VN	NT	-2.59	0.00	PAS S
N4 1	30	100	DFT-QPS K	M	Outer_ Full	VN	NT	8.66	0.00	PAS S
N4 1	30	100	DFT-16QA M	M	Outer_ Full	VN	NT	-23.51	-0.01	PAS S
N4 1	30	100	DFT-64QA M	M	Outer_ Full	VN	NT	19.23	0.01	PAS S
N4 1	30	100	DFT-256Q AM	M	Outer_ Full	VN	NT	8.84	0.00	PAS S
N4 1	30	100	CP-QPSK	M	Outer_ Full	VN	NT	8.30	0.00	PAS S
N4 1	30	100	CP-16QA M	M	Outer_ Full	VN	NT	4.89	0.00	PAS S
N4 1	30	100	CP-64QA M	M	Outer_ Full	VN	NT	-6.73	0.00	PAS S
N4 1	30	100	CP-256QA M	M	Outer_ Full	VN	NT	-12.36	0.00	PAS S
N4	30	100	DFT-PI2B	H	Outer_	VN	NT	-9.44	0.00	PAS

1			PSK		Full					S
N4 1	30	100	DFT-QPSK	H	Outer_ Full	VN	NT	-19.39	-0.01	PAS S
N4 1	30	100	DFT-16QAM	H	Outer_ Full	VN	NT	6.20	0.00	PAS S
N4 1	30	100	DFT-64QAM	H	Outer_ Full	VN	NT	10.08	0.00	PAS S
N4 1	30	100	DFT-256QAM	H	Outer_ Full	VN	NT	3.90	0.00	PAS S
N4 1	30	100	CP-QPSK	H	Outer_ Full	VN	NT	-33.51	-0.01	PAS S
N4 1	30	100	CP-16QAM	H	Outer_ Full	VN	NT	-31.73	-0.01	PAS S
N4 1	30	100	CP-64QAM	H	Outer_ Full	VN	NT	-11.07	0.00	PAS S
N4 1	30	100	CP-256QAM	H	Outer_ Full	VN	NT	9.87	0.00	PAS S

**Frequency Error VS. Temperature**

Voltage										
Band	SC S	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	20	DFT-PI2B PSK	L	Outer_ Full	NV	TN	-18.24952 3	-0.0072 82	PAS S
N41	30	20	DFT-QPSK	L	Outer_ Full	NV	TN	-12.10985 0	-0.0048 32	PAS S
N41	30	20	DFT-16QAM	L	Outer_ Full	NV	TN	-23.22033 9	-0.0092 66	PAS S
N41	30	20	DFT-64QAM	L	Outer_ Full	NV	TN	-20.96893 5	-0.0083 67	PAS S
N41	30	20	DFT-256QAM	L	Outer_ Full	NV	TN	3.574033	0.0014 26	PAS S
N41	30	20	CP-QPSK	L	Outer_ Full	NV	TN	-13.10191 6	-0.0052 28	PAS S
N41	30	20	CP-16QAM	L	Outer_ Full	NV	TN	25.45977 0	0.0101 59	PAS S
N41	30	20	CP-64QAM	L	Outer_ Full	NV	TN	-0.353900	-0.0001 41	PAS S
N41	30	20	CP-256QAM	L	Outer_ Full	NV	TN	-2.552031	-0.0010 18	PAS S
N41	30	20	DFT-PI2B PSK	M	Outer_ Full	NV	TN	-14.37177 8	-0.0055 43	PAS S
N41	30	20	DFT-QPSK	M	Outer_ Full	NV	TN	11.99864 4	0.0046 27	PAS S
N41	30	20	DFT-16QAM	M	Outer_ Full	NV	TN	-5.796844	-0.0022 36	PAS S
N41	30	20	DFT-64QAM	M	Outer_ Full	NV	TN	4.506148	0.0017 38	PAS S
N41	30	20	DFT-256QAM	M	Outer_ Full	NV	TN	-17.43809 7	-0.0067 25	PAS S
N41	30	20	CP-QPSK	M	Outer_ Full	NV	TN	2.664562	0.0010 28	PAS S
N41	30	20	CP-16QAM	M	Outer_ Full	NV	TN	-15.57017 8	-0.0060 05	PAS S
N41	30	20	CP-64QAM	M	Outer_ Full	NV	TN	-10.74441 3	-0.0041 44	PAS S
N41	30	20	CP-256QAM	M	Outer_ Full	NV	TN	5.146157	0.0019 85	PAS S



N4 1	30	20	DFT-PI2B PSK	H	Outer_ Full	NV	TN	-2.259618	-0.0008 43	PAS S
N4 1	30	20	DFT-QPS K	H	Outer_ Full	NV	TN	-2.883596	-0.0010 76	PAS S
N4 1	30	20	DFT-16QA M	H	Outer_ Full	NV	TN	-23.22602 1	-0.0086 66	PAS S
N4 1	30	20	DFT-64QA M	H	Outer_ Full	NV	TN	-8.944276	-0.0033 37	PAS S
N4 1	30	20	DFT-256Q AM	H	Outer_ Full	NV	TN	-3.699101	-0.0013 80	PAS S
N4 1	30	20	CP-QPSK	H	Outer_ Full	NV	TN	-11.99700 6	-0.0044 77	PAS S
N4 1	30	20	CP-16QA M	H	Outer_ Full	NV	TN	-13.55908 2	-0.0050 59	PAS S
N4 1	30	20	CP-64QA M	H	Outer_ Full	NV	TN	-17.74667 0	-0.0066 22	PAS S
N4 1	30	20	CP-256QA M	H	Outer_ Full	NV	TN	9.645206	0.0035 99	PAS S
N4 1	30	40	DFT-PI2B PSK	L	Outer_ Full	NV	TN	-19.54029 3	-0.0077 66	PAS S
N4 1	30	40	DFT-QPS K	L	Outer_ Full	NV	TN	-13.00539 7	-0.0051 69	PAS S
N4 1	30	40	DFT-16QA M	L	Outer_ Full	NV	TN	20.85967 6	0.0082 91	PAS S
N4 1	30	40	DFT-64QA M	L	Outer_ Full	NV	TN	-12.11421 9	-0.0048 15	PAS S
N4 1	30	40	DFT-256Q AM	L	Outer_ Full	NV	TN	-11.29212 7	-0.0044 88	PAS S
N4 1	30	40	CP-QPSK	L	Outer_ Full	NV	TN	-1.368863	-0.0005 44	PAS S
N4 1	30	40	CP-16QA M	L	Outer_ Full	NV	TN	-6.214867	-0.0024 70	PAS S
N4 1	30	40	CP-64QA M	L	Outer_ Full	NV	TN	-1.488079	-0.0005 91	PAS S
N4 1	30	40	CP-256QA M	L	Outer_ Full	NV	TN	-25.56104 9	-0.0101 59	PAS S
N4 1	30	40	DFT-PI2B PSK	M	Outer_ Full	NV	TN	14.14834 6	0.0054 56	PAS S
N4 1	30	40	DFT-QPS K	M	Outer_ Full	NV	TN	-0.313078	-0.0001 21	PAS S
N4 1	30	40	DFT-16QA M	M	Outer_ Full	NV	TN	-21.59855 1	-0.0083 30	PAS S

N4 1	30	40	DFT-64QA M	M	Outer_ Full	NV	TN	-10.04113 2	-0.0038 72	PAS S
N4 1	30	40	DFT-256Q AM	M	Outer_ Full	NV	TN	-17.46136 1	-0.0067 34	PAS S
N4 1	30	40	CP-QPSK	M	Outer_ Full	NV	TN	-8.998544	-0.0034 70	PAS S
N4 1	30	40	CP-16QA M	M	Outer_ Full	NV	TN	-20.24394 6	-0.0078 07	PAS S
N4 1	30	40	CP-64QA M	M	Outer_ Full	NV	TN	-21.77276 8	-0.0083 97	PAS S
N4 1	30	40	CP-256QA M	M	Outer_ Full	NV	TN	-13.64541 5	-0.0052 62	PAS S
N4 1	30	40	DFT-PI2B PSK	H	Outer_ Full	NV	TN	11.06978 0	0.0041 46	PAS S
N4 1	30	40	DFT-QPS K	H	Outer_ Full	NV	TN	-14.49684 0	-0.0054 30	PAS S
N4 1	30	40	DFT-16QA M	H	Outer_ Full	NV	TN	0.963524	0.0003 61	PAS S
N4 1	30	40	DFT-64QA M	H	Outer_ Full	NV	TN	-4.039541	-0.0015 13	PAS S
N4 1	30	40	DFT-256Q AM	H	Outer_ Full	NV	TN	-0.747882	-0.0002 80	PAS S
N4 1	30	40	CP-QPSK	H	Outer_ Full	NV	TN	-15.63686 7	-0.0058 57	PAS S
N4 1	30	40	CP-16QA M	H	Outer_ Full	NV	TN	-16.32666 6	-0.0061 15	PAS S
N4 1	30	40	CP-64QA M	H	Outer_ Full	NV	TN	-10.95284 4	-0.0041 02	PAS S
N4 1	30	40	CP-256QA M	H	Outer_ Full	NV	TN	6.409753	0.0024 01	PAS S
N4 1	30	60	DFT-PI2B PSK	L	Outer_ Full	NV	TN	-46.97050 1	-0.0185 95	PAS S
N4 1	30	60	DFT-QPS K	L	Outer_ Full	NV	TN	11.64288 3	0.0046 09	PAS S
N4 1	30	60	DFT-16QA M	L	Outer_ Full	NV	TN	-31.11075 4	-0.0123 16	PAS S
N4 1	30	60	DFT-64QA M	L	Outer_ Full	NV	TN	29.86537 0	0.0118 23	PAS S
N4 1	30	60	DFT-256Q AM	L	Outer_ Full	NV	TN	1.726025	0.0006 83	PAS S
N4 1	30	60	CP-QPSK	L	Outer_ Full	NV	TN	-31.37452 7	-0.0124 21	PAS S

N4 1	30	60	CP-16QA M	L	Outer_ Full	NV	TN	1.341589	0.0005 31	PAS S
N4 1	30	60	CP-64QA M	L	Outer_ Full	NV	TN	-10.38531 8	-0.0041 11	PAS S
N4 1	30	60	CP-256QA M	L	Outer_ Full	NV	TN	-23.96008 7	-0.0094 85	PAS S
N4 1	30	60	DFT-PI2B PSK	M	Outer_ Full	NV	TN	7.682222	0.0029 63	PAS S
N4 1	30	60	DFT-QPS K	M	Outer_ Full	NV	TN	-24.93725 2	-0.0096 17	PAS S
N4 1	30	60	DFT-16QA M	M	Outer_ Full	NV	TN	-1.327878	-0.0005 12	PAS S
N4 1	30	60	DFT-64QA M	M	Outer_ Full	NV	TN	-16.23183 4	-0.0062 60	PAS S
N4 1	30	60	DFT-256Q AM	M	Outer_ Full	NV	TN	-28.72690 0	-0.0110 79	PAS S
N4 1	30	60	CP-QPSK	M	Outer_ Full	NV	TN	-4.413392	-0.0017 02	PAS S
N4 1	30	60	CP-16QA M	M	Outer_ Full	NV	TN	2.944336	0.0011 35	PAS S
N4 1	30	60	CP-64QA M	M	Outer_ Full	NV	TN	0.803411	0.0003 10	PAS S
N4 1	30	60	CP-256QA M	M	Outer_ Full	NV	TN	-10.48457 7	-0.0040 43	PAS S
N4 1	30	60	DFT-PI2B PSK	H	Outer_ Full	NV	TN	-12.36437 3	-0.0046 48	PAS S
N4 1	30	60	DFT-QPS K	H	Outer_ Full	NV	TN	-19.22553 3	-0.0072 28	PAS S
N4 1	30	60	DFT-16QA M	H	Outer_ Full	NV	TN	-3.703581	-0.0013 92	PAS S
N4 1	30	60	DFT-64QA M	H	Outer_ Full	NV	TN	-4.847359	-0.0018 22	PAS S
N4 1	30	60	DFT-256Q AM	H	Outer_ Full	NV	TN	-21.12728 3	-0.0079 43	PAS S
N4 1	30	60	CP-QPSK	H	Outer_ Full	NV	TN	-7.988877	-0.0030 03	PAS S
N4 1	30	60	CP-16QA M	H	Outer_ Full	NV	TN	-1.905941	-0.0007 17	PAS S
N4 1	30	60	CP-64QA M	H	Outer_ Full	NV	TN	-13.57866 6	-0.0051 05	PAS S
N4 1	30	60	CP-256QA M	H	Outer_ Full	NV	TN	-10.78446 0	-0.0040 54	PAS S

N4 1	30	100	DFT-PI2B PSK	L	Outer_ Full	NV	TN	28.73526 2	0.0112 86	PAS S
N4 1	30	100	DFT-QPS K	L	Outer_ Full	NV	TN	31.78516 2	0.0124 84	PAS S
N4 1	30	100	DFT-16QA M	L	Outer_ Full	NV	TN	30.37605 3	0.0119 31	PAS S
N4 1	30	100	DFT-64QA M	L	Outer_ Full	NV	TN	-20.18895 9	-0.0079 30	PAS S
N4 1	30	100	DFT-256Q AM	L	Outer_ Full	NV	TN	-16.69284 1	-0.0065 56	PAS S
N4 1	30	100	CP-QPSK	L	Outer_ Full	NV	TN	-1.344900	-0.0005 28	PAS S
N4 1	30	100	CP-16QA M	L	Outer_ Full	NV	TN	-10.43939 7	-0.0041 00	PAS S
N4 1	30	100	CP-64QA M	L	Outer_ Full	NV	TN	16.78974 0	0.0065 95	PAS S
N4 1	30	100	CP-256QA M	L	Outer_ Full	NV	TN	-20.82852 7	-0.0081 81	PAS S
N4 1	30	100	DFT-PI2B PSK	M	Outer_ Full	NV	TN	-5.310684	-0.0020 48	PAS S
N4 1	30	100	DFT-QPS K	M	Outer_ Full	NV	TN	-10.02186 0	-0.0038 65	PAS S
N4 1	30	100	DFT-16QA M	M	Outer_ Full	NV	TN	6.949907	0.0026 80	PAS S
N4 1	30	100	DFT-64QA M	M	Outer_ Full	NV	TN	-5.501618	-0.0021 22	PAS S
N4 1	30	100	DFT-256Q AM	M	Outer_ Full	NV	TN	-0.889299	-0.0003 43	PAS S
N4 1	30	100	CP-QPSK	M	Outer_ Full	NV	TN	8.825145	0.0034 03	PAS S
N4 1	30	100	CP-16QA M	M	Outer_ Full	NV	TN	-24.89540 1	-0.0096 01	PAS S
N4 1	30	100	CP-64QA M	M	Outer_ Full	NV	TN	-5.870174	-0.0022 64	PAS S
N4 1	30	100	CP-256QA M	M	Outer_ Full	NV	TN	-35.16917 0	-0.0135 63	PAS S
N4 1	30	100	DFT-PI2B PSK	H	Outer_ Full	NV	TN	10.98778 8	0.0041 62	PAS S
N4 1	30	100	DFT-QPS K	H	Outer_ Full	NV	TN	-13.92501 4	-0.0052 75	PAS S
N4 1	30	100	DFT-16QA M	H	Outer_ Full	NV	TN	-15.52301 6	-0.0058 80	PAS S

N4 1	30	100	DFT-64QA M	H	Outer_ Full	NV	TN	2.245478	0.0008 51	PAS S
N4 1	30	100	DFT-256Q AM	H	Outer_ Full	NV	TN	-23.02278 9	-0.0087 21	PAS S
N4 1	30	100	CP-QPSK	H	Outer_ Full	NV	TN	4.407827	0.0016 70	PAS S
N4 1	30	100	CP-16QA M	H	Outer_ Full	NV	TN	-17.52836 4	-0.0066 40	PAS S
N4 1	30	100	CP-64QA M	H	Outer_ Full	NV	TN	-23.30601 5	-0.0088 28	PAS S
N4 1	30	100	CP-256QA M	H	Outer_ Full	NV	TN	-4.525218	-0.0017 14	PAS S

## Appendix F: Modulation characteristics for SA

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N41	30	20	DFT-PI2BPSK	L	Outer_Full	see graph	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	see graph	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	see graph	PASS
N41	30	20	DFT-64QAM	L	Outer_Full	see graph	PASS
N41	30	20	DFT-256QAM	L	Outer_Full	see graph	PASS
N41	30	20	CP-QPSK	L	Outer_Full	see graph	PASS
N41	30	20	CP-16QAM	L	Outer_Full	see graph	PASS
N41	30	20	CP-64QAM	L	Outer_Full	see graph	PASS
N41	30	20	CP-256QAM	L	Outer_Full	see graph	PASS
N41	30	20	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	see graph	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	see graph	PASS
N41	30	20	DFT-64QAM	M	Outer_Full	see graph	PASS
N41	30	20	DFT-256QAM	M	Outer_Full	see graph	PASS
N41	30	20	CP-QPSK	M	Outer_Full	see graph	PASS
N41	30	20	CP-16QAM	M	Outer_Full	see graph	PASS
N41	30	20	CP-64QAM	M	Outer_Full	see graph	PASS
N41	30	20	CP-256QAM	M	Outer_Full	see graph	PASS
N41	30	20	DFT-PI2BPSK	H	Outer_Full	see	PASS

						graph	
N41	30	20	DFT-QPSK	H	Outer_Full	see graph	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	see graph	PASS
N41	30	20	DFT-64QAM	H	Outer_Full	see graph	PASS
N41	30	20	DFT-256QAM	H	Outer_Full	see graph	PASS
N41	30	20	CP-QPSK	H	Outer_Full	see graph	PASS
N41	30	20	CP-16QAM	H	Outer_Full	see graph	PASS
N41	30	20	CP-64QAM	H	Outer_Full	see graph	PASS
N41	30	20	CP-256QAM	H	Outer_Full	see graph	PASS
N41	30	40	DFT-PI2BPSK	L	Outer_Full	see graph	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	see graph	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	see graph	PASS
N41	30	40	DFT-64QAM	L	Outer_Full	see graph	PASS
N41	30	40	DFT-256QAM	L	Outer_Full	see graph	PASS
N41	30	40	CP-QPSK	L	Outer_Full	see graph	PASS
N41	30	40	CP-16QAM	L	Outer_Full	see graph	PASS
N41	30	40	CP-64QAM	L	Outer_Full	see graph	PASS
N41	30	40	CP-256QAM	L	Outer_Full	see graph	PASS
N41	30	40	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	see graph	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	see graph	PASS
N41	30	40	DFT-64QAM	M	Outer_Full	see	PASS

						graph	
N41	30	40	DFT-256QAM	M	Outer_Full	see graph	PASS
N41	30	40	CP-QPSK	M	Outer_Full	see graph	PASS
N41	30	40	CP-16QAM	M	Outer_Full	see graph	PASS
N41	30	40	CP-64QAM	M	Outer_Full	see graph	PASS
N41	30	40	CP-256QAM	M	Outer_Full	see graph	PASS
N41	30	40	DFT-PI2BPSK	H	Outer_Full	see graph	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	see graph	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	see graph	PASS
N41	30	40	DFT-64QAM	H	Outer_Full	see graph	PASS
N41	30	40	DFT-256QAM	H	Outer_Full	see graph	PASS
N41	30	40	CP-QPSK	H	Outer_Full	see graph	PASS
N41	30	40	CP-16QAM	H	Outer_Full	see graph	PASS
N41	30	40	CP-64QAM	H	Outer_Full	see graph	PASS
N41	30	40	CP-256QAM	H	Outer_Full	see graph	PASS
N41	30	60	DFT-PI2BPSK	L	Outer_Full	see graph	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	see graph	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	see graph	PASS
N41	30	60	DFT-64QAM	L	Outer_Full	see graph	PASS
N41	30	60	DFT-256QAM	L	Outer_Full	see graph	PASS
N41	30	60	CP-QPSK	L	Outer_Full	see graph	PASS
N41	30	60	CP-16QAM	L	Outer_Full	see	PASS

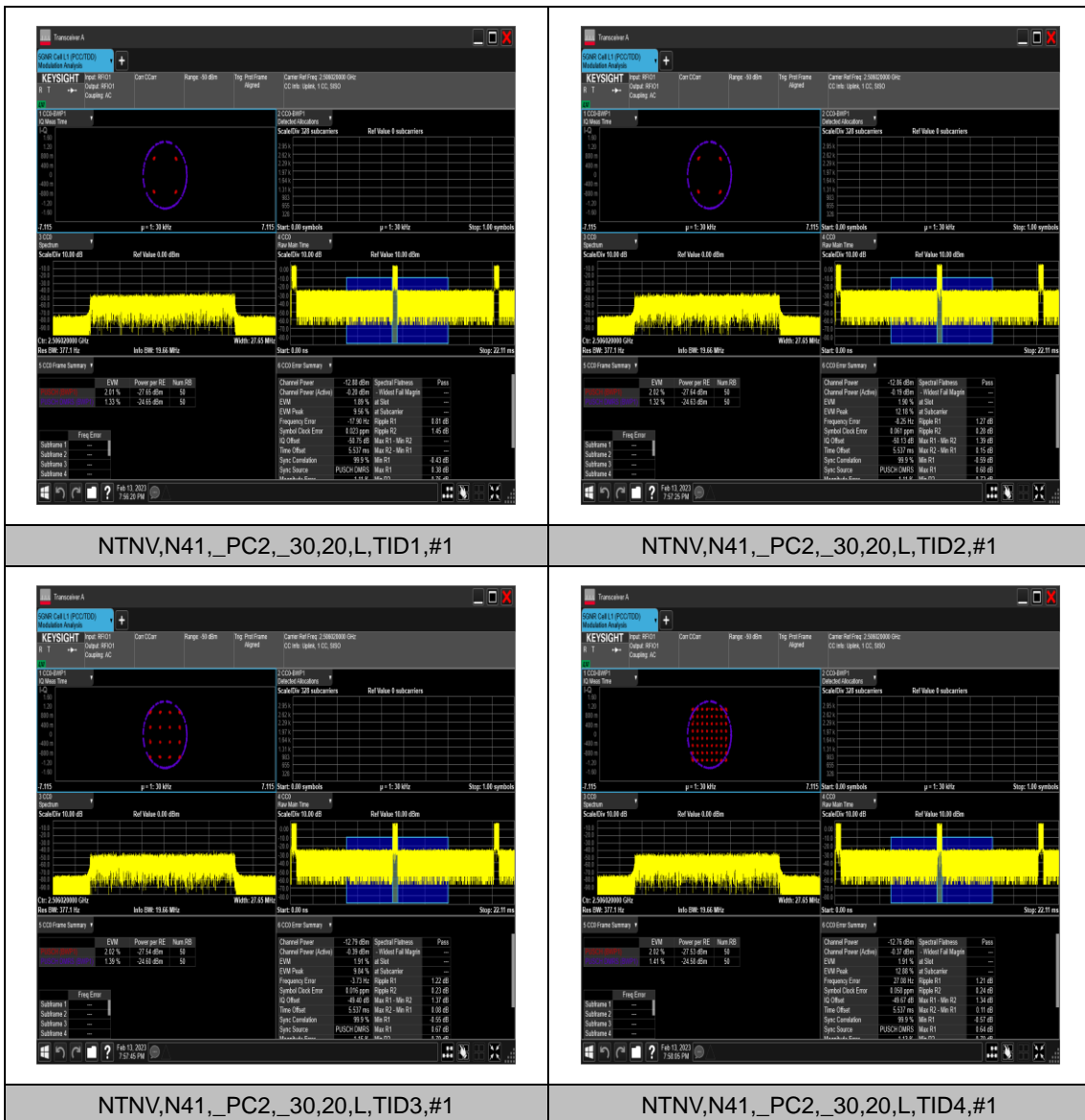


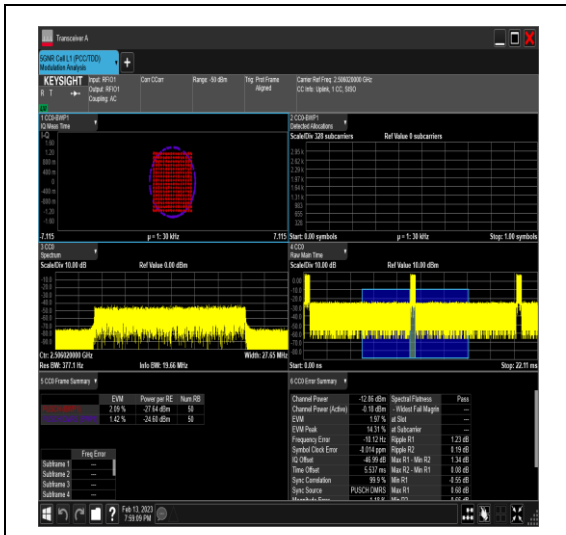
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N41	30	60	CP-64QAM	L	Outer_Full	see graph	PASS
N41	30	60	CP-256QAM	L	Outer_Full	see graph	PASS
N41	30	60	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	see graph	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	see graph	PASS
N41	30	60	DFT-64QAM	M	Outer_Full	see graph	PASS
N41	30	60	DFT-256QAM	M	Outer_Full	see graph	PASS
N41	30	60	CP-QPSK	M	Outer_Full	see graph	PASS
N41	30	60	CP-16QAM	M	Outer_Full	see graph	PASS
N41	30	60	CP-64QAM	M	Outer_Full	see graph	PASS
N41	30	60	CP-256QAM	M	Outer_Full	see graph	PASS
N41	30	60	DFT-PI2BPSK	H	Outer_Full	see graph	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	see graph	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	see graph	PASS
N41	30	60	DFT-64QAM	H	Outer_Full	see graph	PASS
N41	30	60	DFT-256QAM	H	Outer_Full	see graph	PASS
N41	30	60	CP-QPSK	H	Outer_Full	see graph	PASS
N41	30	60	CP-16QAM	H	Outer_Full	see graph	PASS
N41	30	60	CP-64QAM	H	Outer_Full	see graph	PASS
N41	30	60	CP-256QAM	H	Outer_Full	see graph	PASS
N41	30	100	DFT-PI2BPSK	L	Outer_Full	see	PASS

						graph	
N41	30	100	DFT-QPSK	L	Outer_Full	see graph	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	see graph	PASS
N41	30	100	DFT-64QAM	L	Outer_Full	see graph	PASS
N41	30	100	DFT-256QAM	L	Outer_Full	see graph	PASS
N41	30	100	CP-QPSK	L	Outer_Full	see graph	PASS
N41	30	100	CP-16QAM	L	Outer_Full	see graph	PASS
N41	30	100	CP-64QAM	L	Outer_Full	see graph	PASS
N41	30	100	CP-256QAM	L	Outer_Full	see graph	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	see graph	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	see graph	PASS
N41	30	100	DFT-64QAM	M	Outer_Full	see graph	PASS
N41	30	100	DFT-256QAM	M	Outer_Full	see graph	PASS
N41	30	100	CP-QPSK	M	Outer_Full	see graph	PASS
N41	30	100	CP-16QAM	M	Outer_Full	see graph	PASS
N41	30	100	CP-64QAM	M	Outer_Full	see graph	PASS
N41	30	100	CP-256QAM	M	Outer_Full	see graph	PASS
N41	30	100	DFT-PI2BPSK	H	Outer_Full	see graph	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	see graph	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	see graph	PASS
N41	30	100	DFT-64QAM	H	Outer_Full	see	PASS

						graph	
N41	30	100	DFT-256QAM	H	Outer_Full	see graph	PASS
N41	30	100	CP-QPSK	H	Outer_Full	see graph	PASS

### Test Graphs





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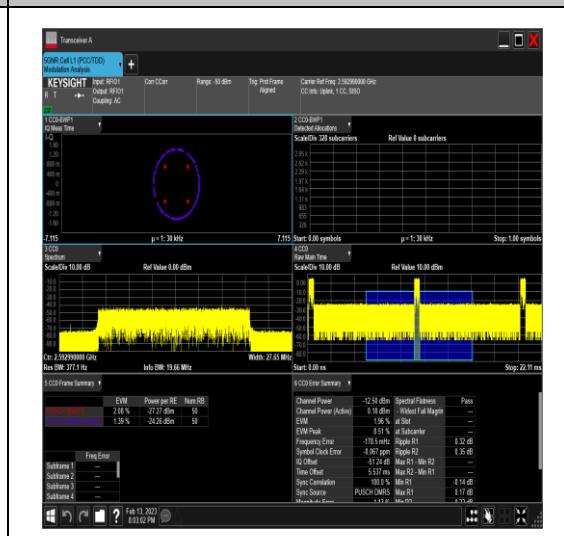
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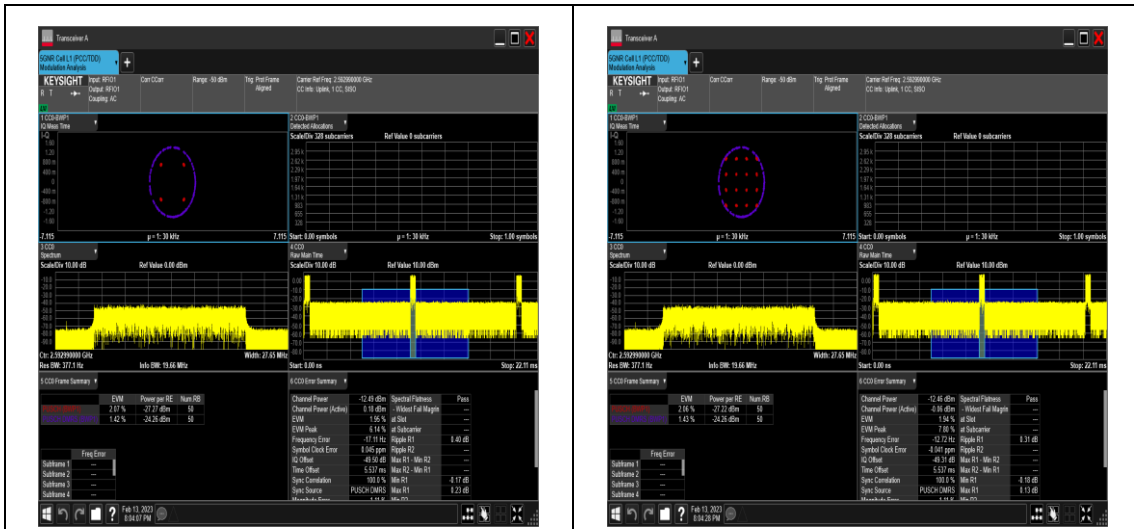
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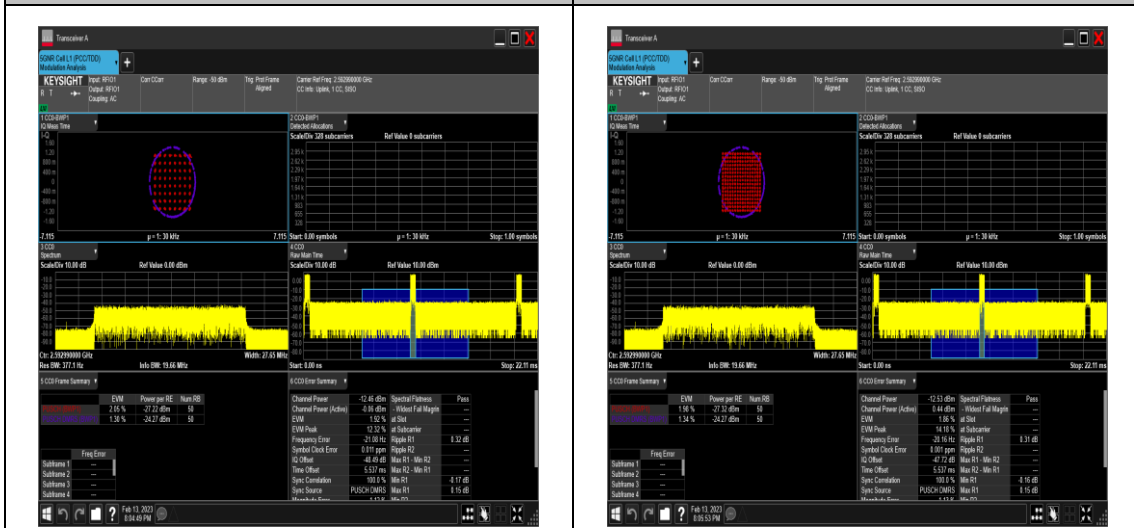


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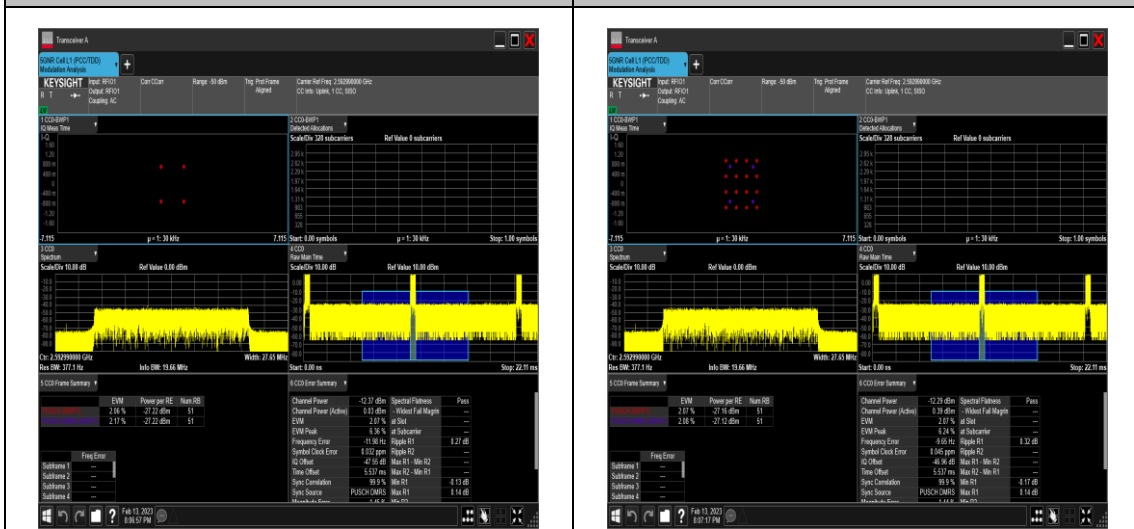
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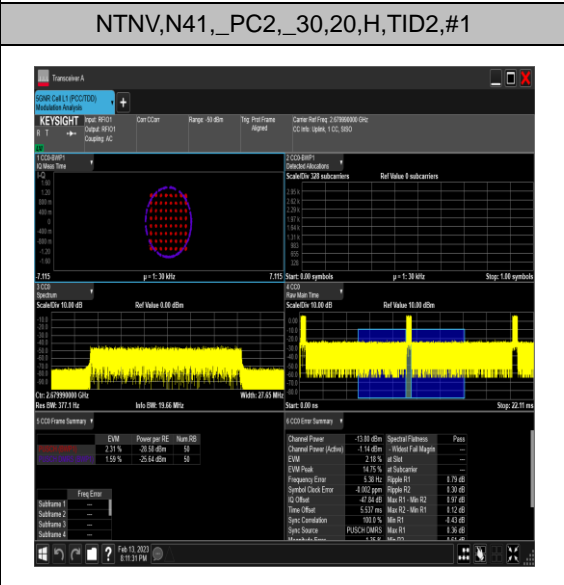
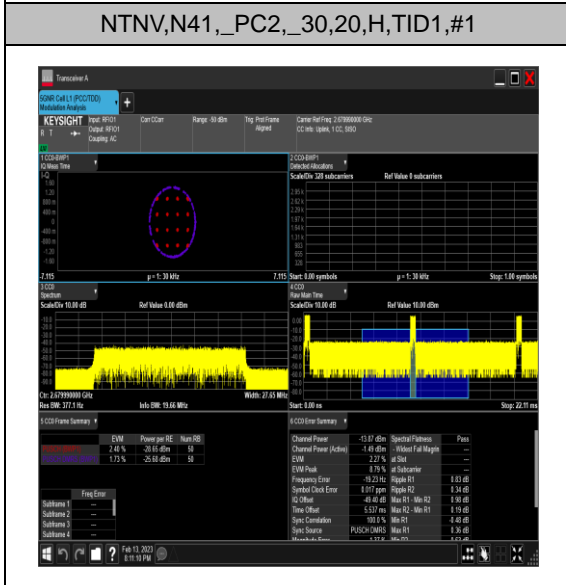
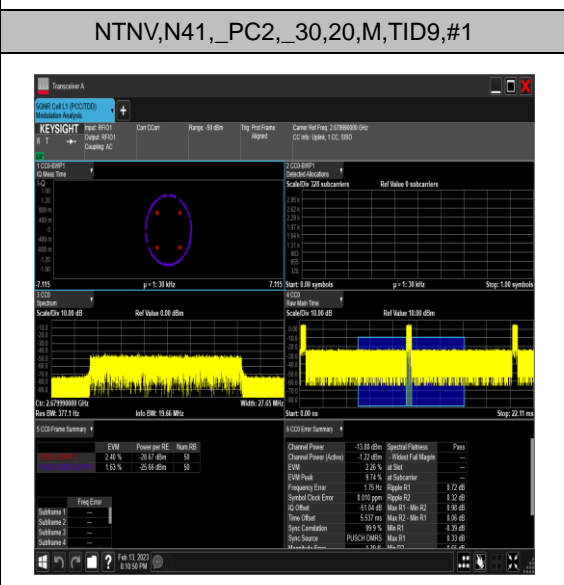
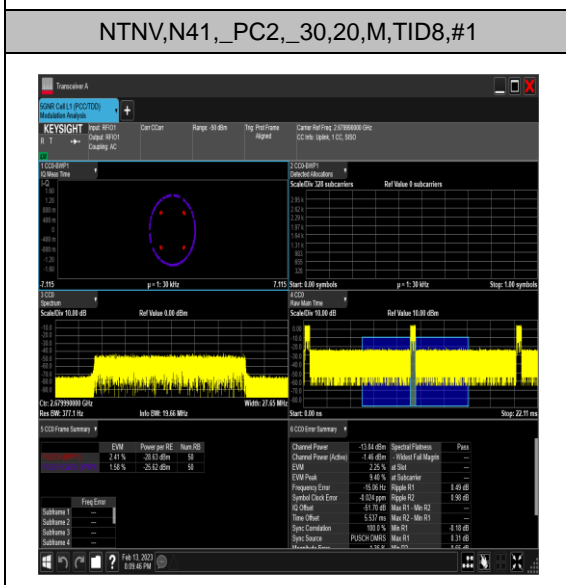
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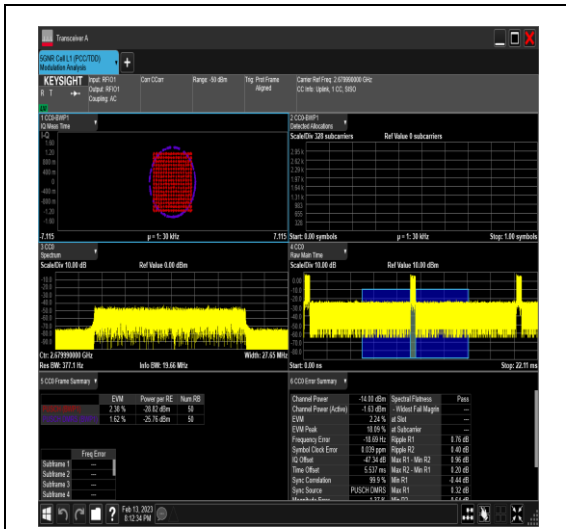
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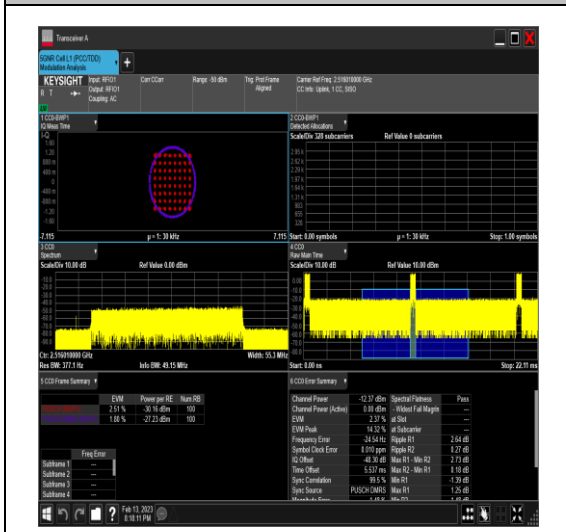




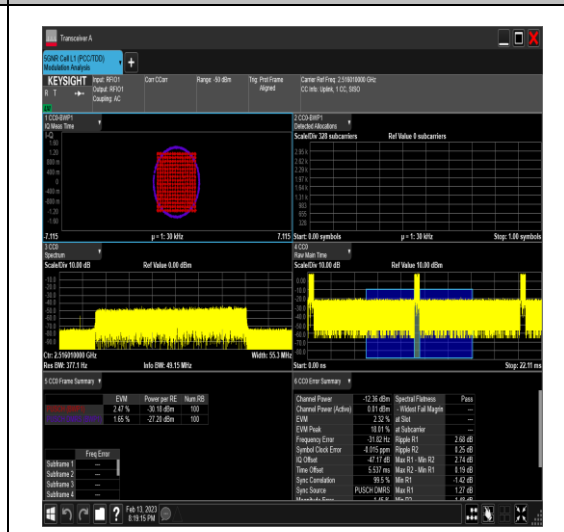
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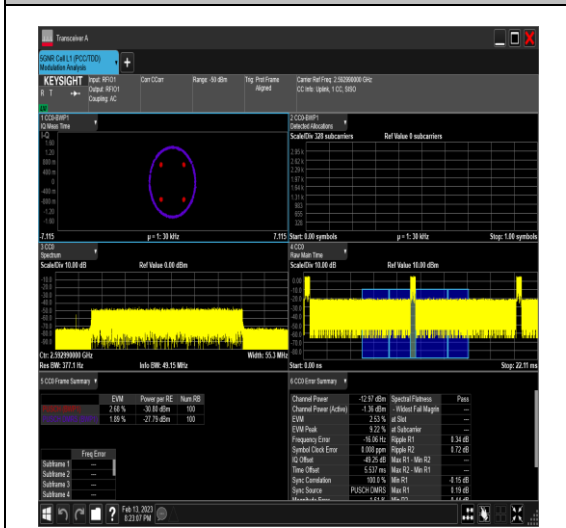
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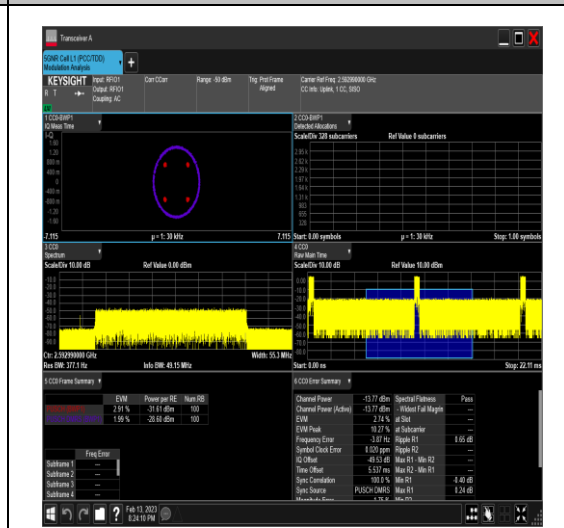
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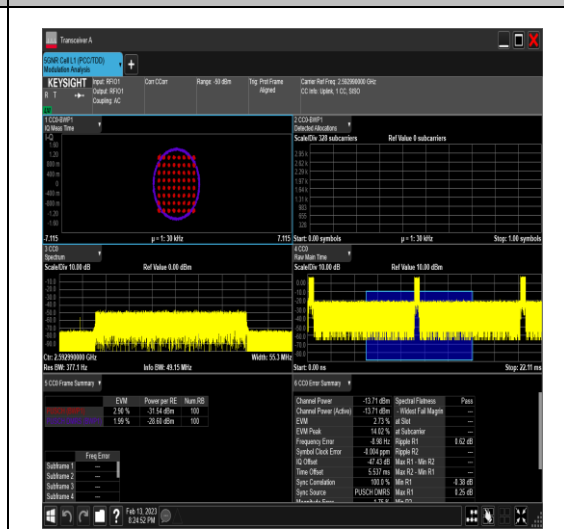
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NTNV,N41,\_PC2,\_30,40,M,TID4,#1



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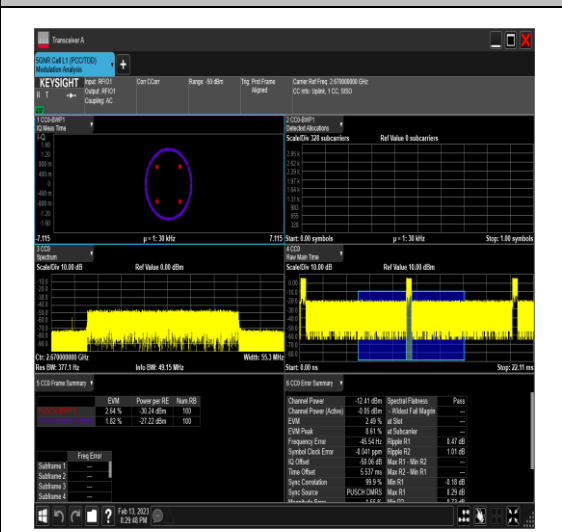
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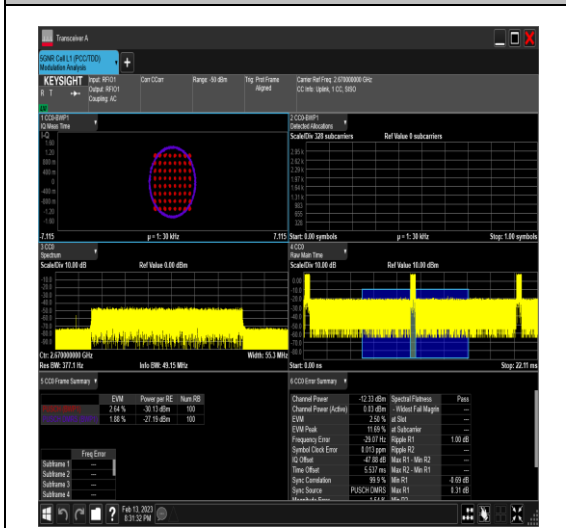
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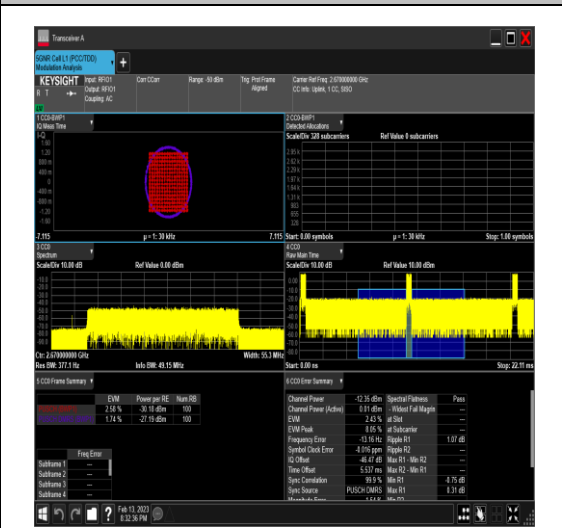
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NTNV,N41,\_PC2,\_30,40,H,TID4,#1



NTNV,N41,\_PC2,\_30,40,H,TID5,#1



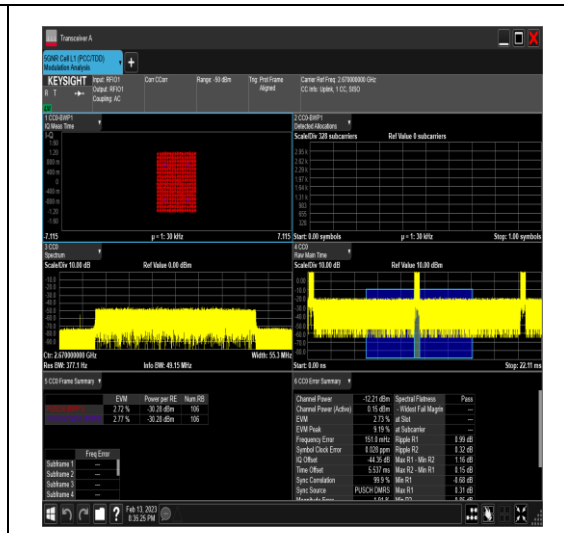
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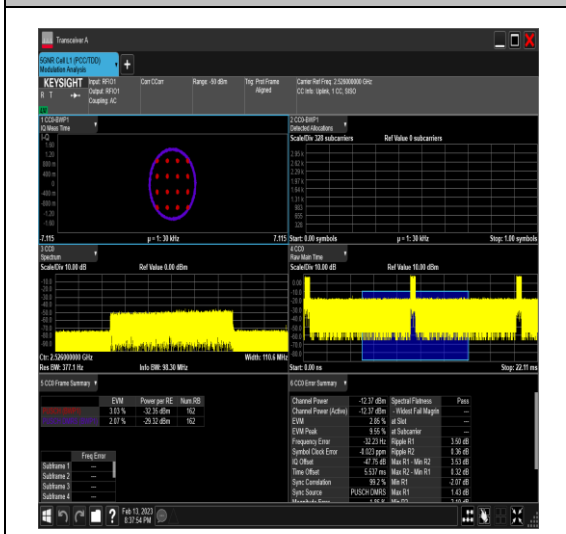
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NTNV,N41,\_PC2,\_30,60,L,TID6,#1



NTNV,N41,\_PC2,\_30,60,L,TID7,#1



NTNV,N41,\_PC2,\_30,60,L,TID8,#1



NTNV,N41,\_PC2,\_30,60,L,TID9,#1



NTNV,N41,\_PC2,\_30,60,M,TID1,#1