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N41	30	100	DFT-256QAM	H	Outer_Full	21.23	21.44	24.35	25.13	PASS
N41	30	100	CP-QPSK	H	Inner_1RB_Left	24.3	24.1	27.27	28.05	PASS
N41	30	100	CP-QPSK	H	Inner_1RB_Right	24.48	24.66	27.64	28.42	PASS
N41	30	100	CP-QPSK	H	Outer_Full	22.81	22.39	25.67	26.45	PASS
N41	30	100	CP-16QAM	H	Inner_1RB_Left	23.87	23.58	26.79	27.57	PASS
N41	30	100	CP-16QAM	H	Inner_1RB_Right	24.07	24.08	27.14	27.92	PASS
N41	30	100	CP-16QAM	H	Outer_Full	22.79	22.44	25.68	26.46	PASS
N41	30	100	CP-64QAM	H	Inner_1RB_Left	22.32	22.08	25.27	26.05	PASS
N41	30	100	CP-64QAM	H	Inner_1RB_Right	22.54	22.59	25.63	26.41	PASS
N41	30	100	CP-64QAM	H	Outer_Full	22.29	21.91	25.17	25.95	PASS
N41	30	100	CP-256QAM	H	Inner_1RB_Left	19.4	19.08	22.31	23.09	PASS
N41	30	100	CP-256QAM	H	Inner_1RB_Right	19.58	19.58	22.65	23.43	PASS
N41	30	100	CP-256QAM	H	Outer_Full	19.33	18.93	22.2	22.98	PASS



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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N41	30	100	DFT-256QAM	L	Outer_Full	9.99	≤13	PASS
N41	30	100	CP-256QAM	L	Outer_Full	9.63	≤13	PASS
N41	30	100	DFT-256QAM	M	Outer_Full	9.72	≤13	PASS
N41	30	100	CP-256QAM	M	Outer_Full	10.12	≤13	PASS
N41	30	100	DFT-256QAM	H	Outer_Full	9.92	≤13	PASS
N41	30	100	CP-256QAM	H	Outer_Full	10.34	≤13	PASS

Test Result for MIMO

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N41	30	100	DFT-256QAM	L	Outer_Full	19.56%	7.09	2.45	≤13	PASS
N41	30	100	CP-256QAM	L	Outer_Full	19.56%	7.09	2.80	≤13	PASS
N41	30	100	DFT-256QAM	M	Outer_Full	19.56%	7.09	2.52	≤13	PASS
N41	30	100	CP-256QAM	M	Outer_Full	19.56%	7.09	2.45	≤13	PASS
N41	30	100	DFT-256QAM	H	Outer_Full	19.56%	7.09	2.74	≤13	PASS
N41	30	100	CP-256QAM	H	Outer_Full	19.56%	7.09	2.87	≤13	PASS



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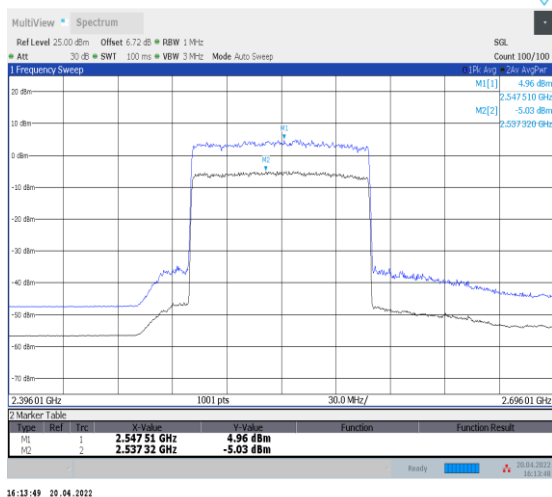
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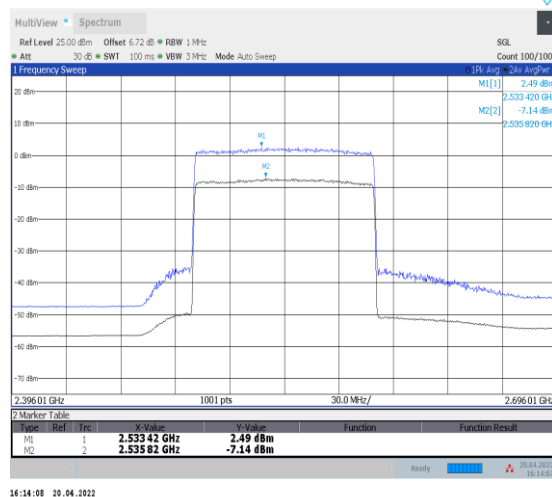
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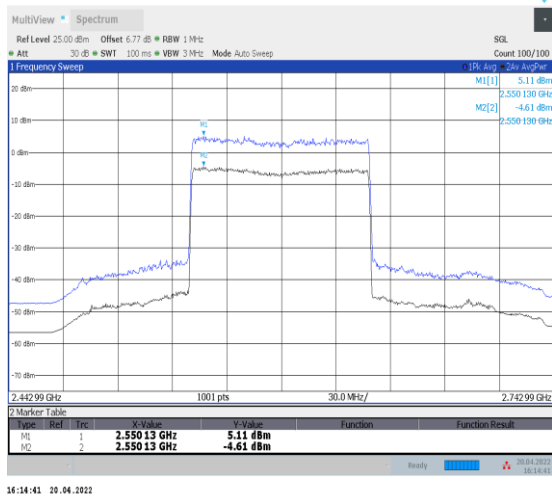
Test Graphs



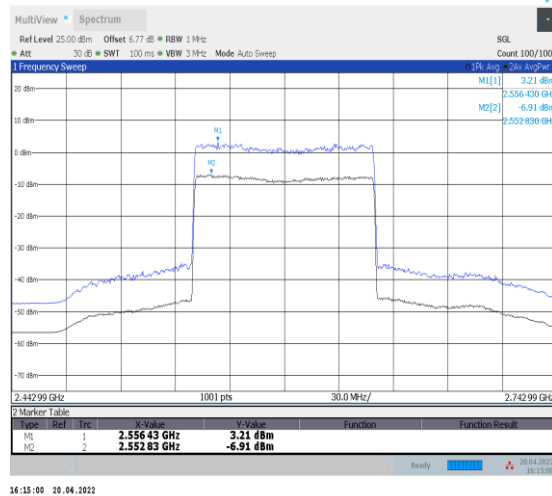
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-Ant1-9.99-100%-0.00-9.99-PASS-≤13



1-N41--30-100-L-2-CP-256QAM-Outer_Full-273@0-
Ant1-9.63-100%-0.00-9.63-PASS-≤13



1-N41--30-100-M-1-DFT-256QAM-Outer_Full-270@
0-Ant1-9.72-100%-0.00-9.72-PASS-≤13



1-N41--30-100-M-2-CP-256QAM-Outer_Full-273@0-
Ant1-10.12-100%-0.00-10.12-PASS-≤13



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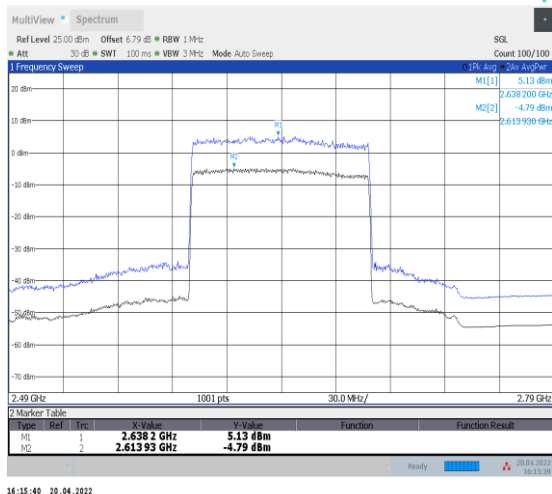
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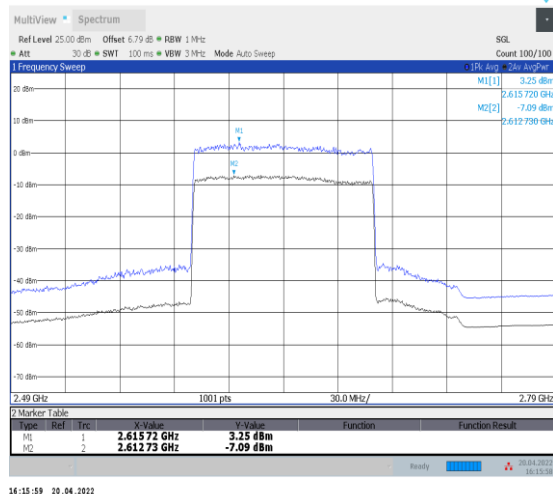
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0-Ant1-9.92-100%-0.00-9.92-PASS-≤13



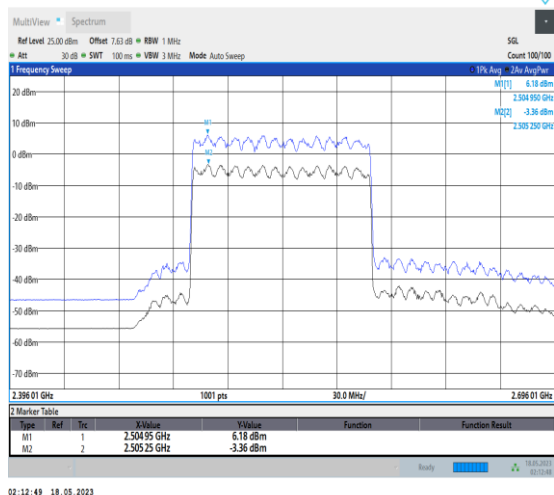
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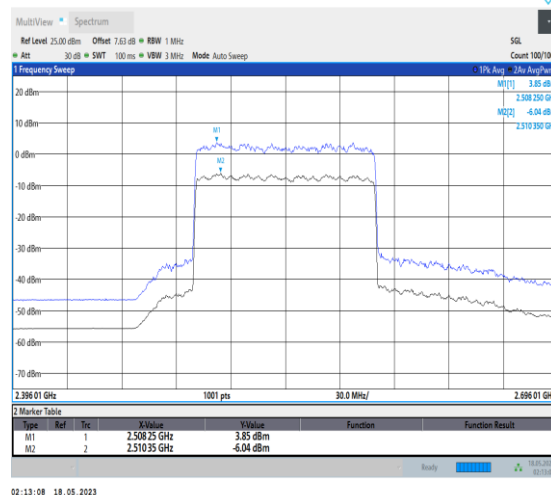
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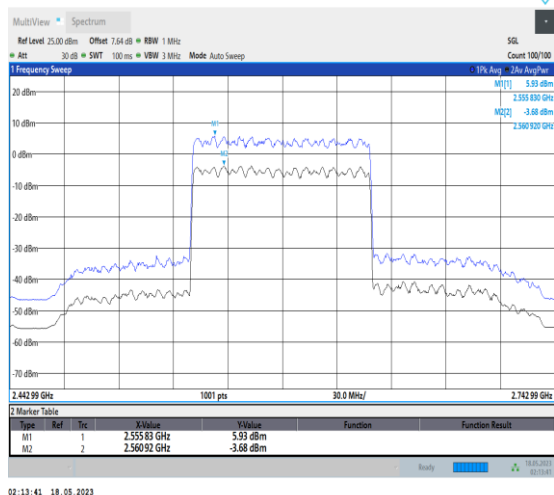
Test Graphs for MIMO



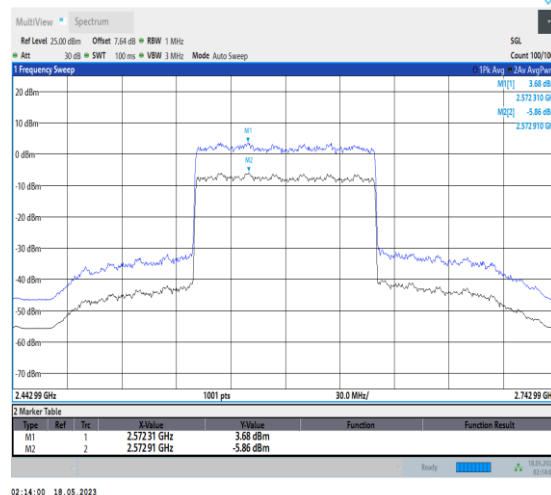
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1-N41-PC1-30-100-L-2-CP-256QAM-Outer_Full-273@0-Ant1-9.89-19.56%-7.09-2.80-PASS-≤13



1-N41-PC1-30-100-M-1-DFT-256QAM-Outer_Full-270@0-Ant1-9.61-19.56%-7.09-2.52-PASS-≤13



1-N41-PC1-30-100-M-2-CP-256QAM-Outer_Full-273@0-Ant1-9.54-19.56%-7.09-2.45-PASS-≤13



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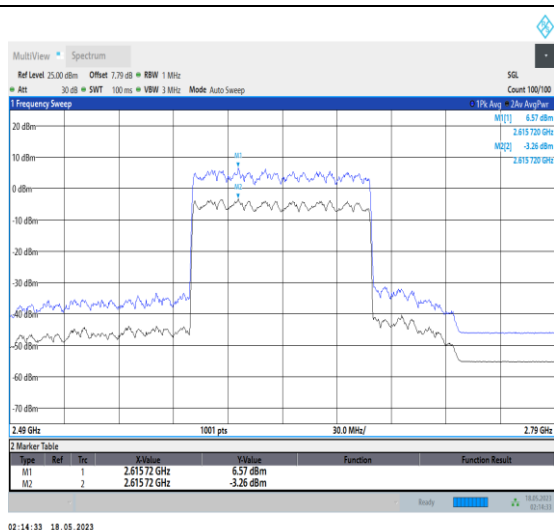
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1-N41-PC1-30-100-H-1-DFT-256QAM-Outer_Full-270@0-Ant1-9.83-19.56%-7.09-2.74-PASS-≤13



1-N41-PC1-30-100-H-2-CP-256QAM-Outer_Full-273@0-Ant1-9.96-19.56%-7.09-2.87-PASS-≤13



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Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
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



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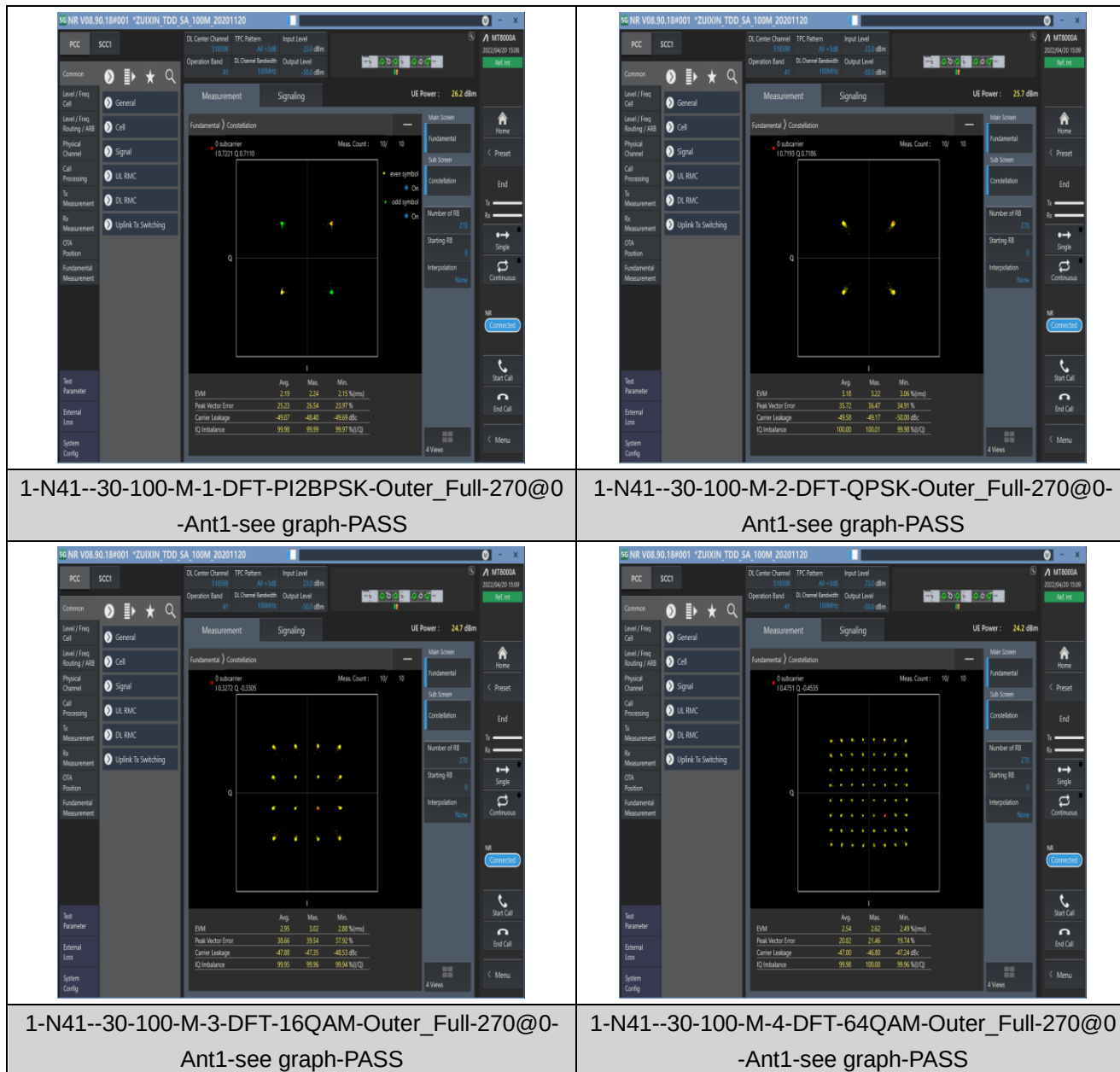
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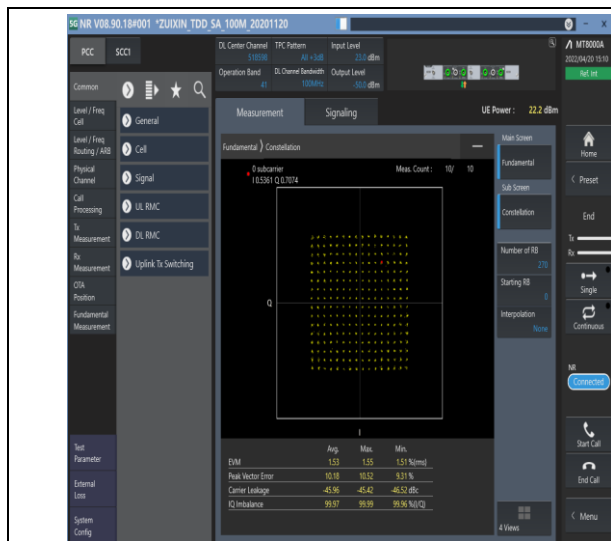
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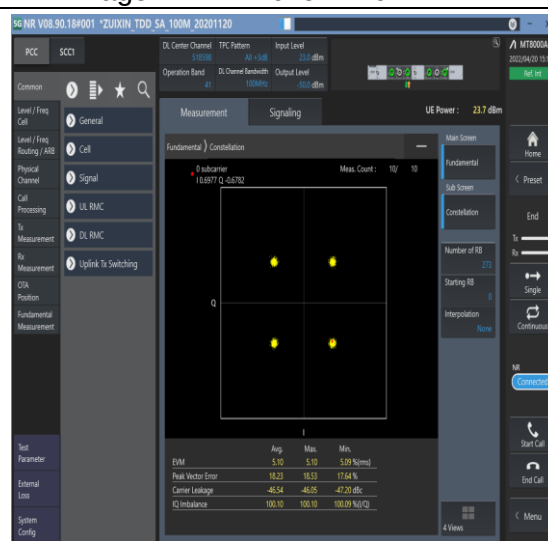
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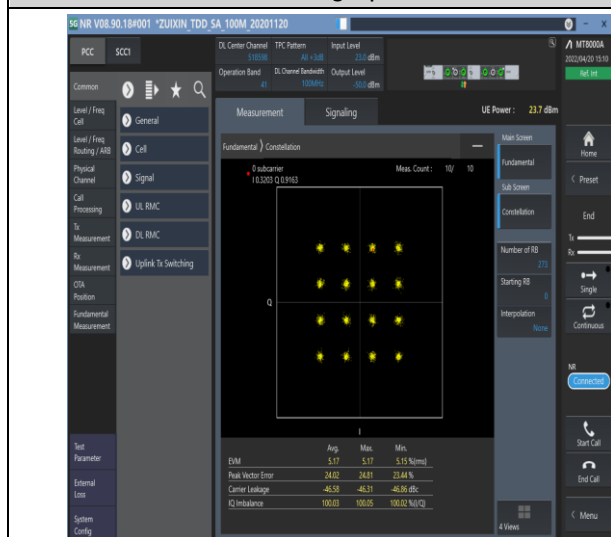
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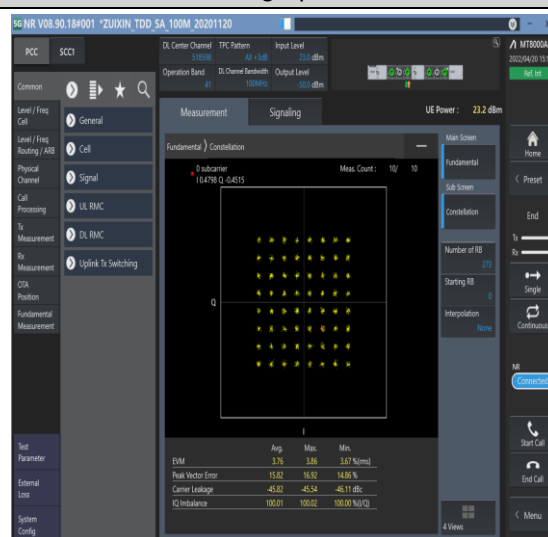
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1-N41--30-100-M-6-CP-QPSK-Out_Full-273@0-Ant1-see graph-PASS



1-N41--30-100-M-7-CP-16QAM-Out_Full-273@0-Ant1-see graph-PASS



1-N41--30-100-M-8-CP-64QAM-Out_Full-273@0-Ant1-see graph-PASS



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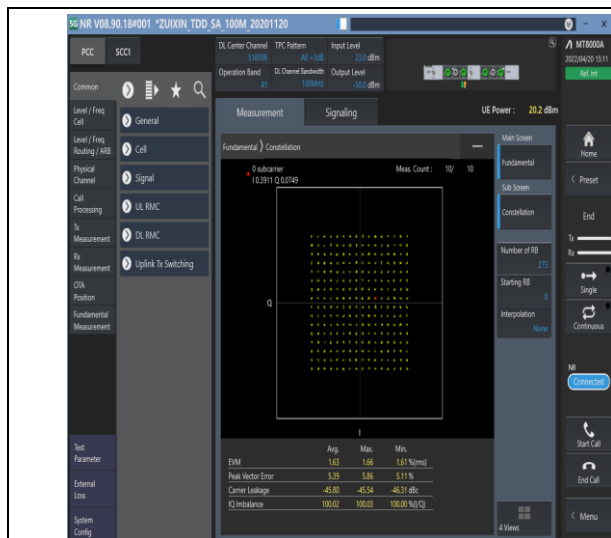
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1-N41--30-100-M-9-CP-256QAM-Outer_Full-273@0-
Ant1-see graph-PASS



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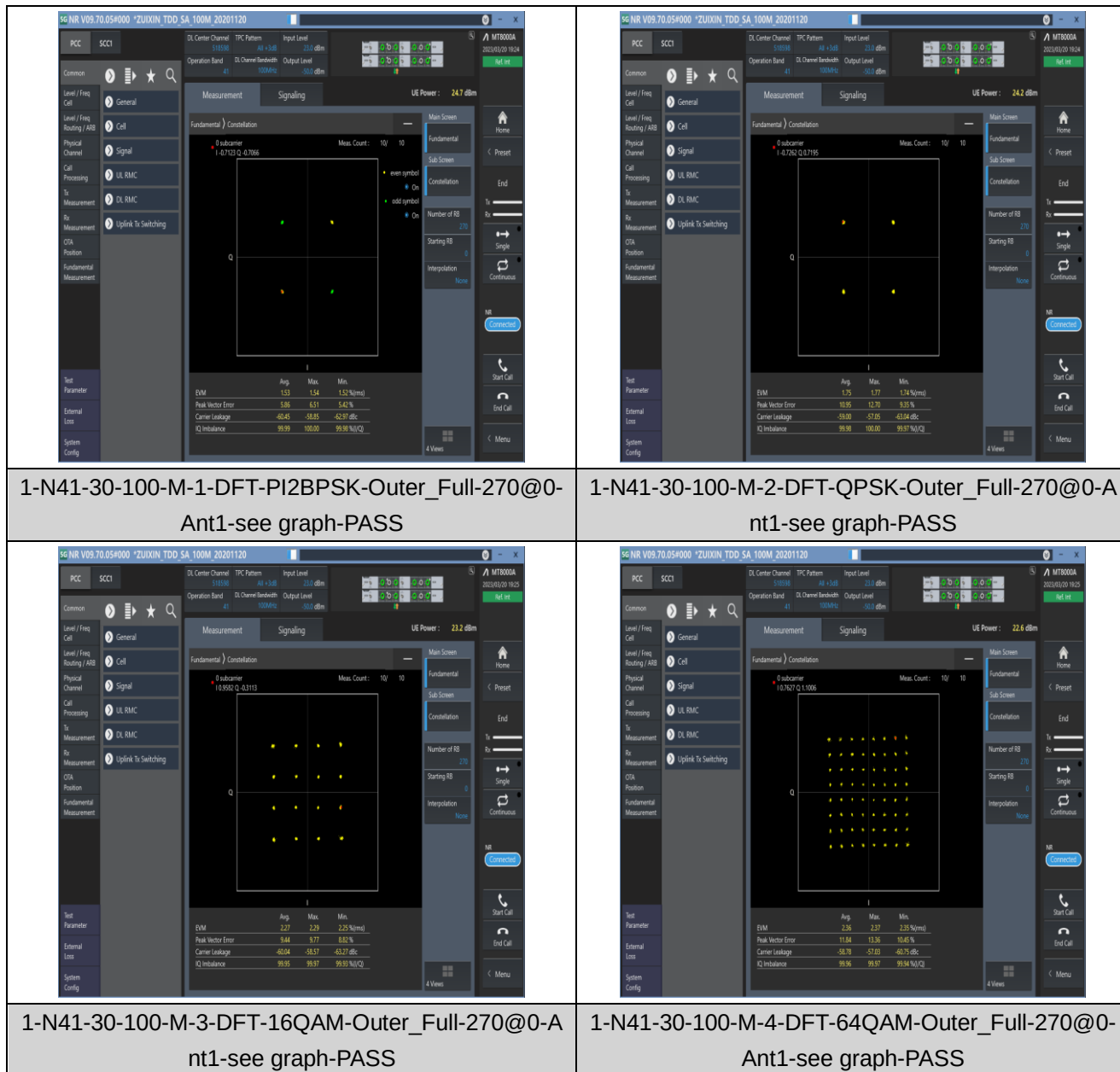
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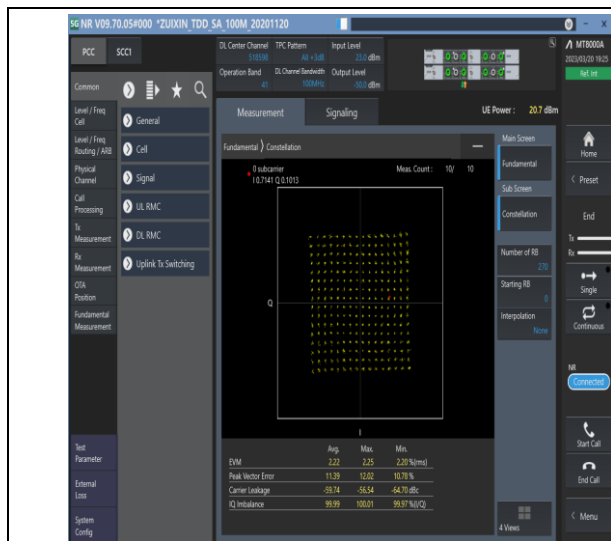
Test Graphs for MIMO



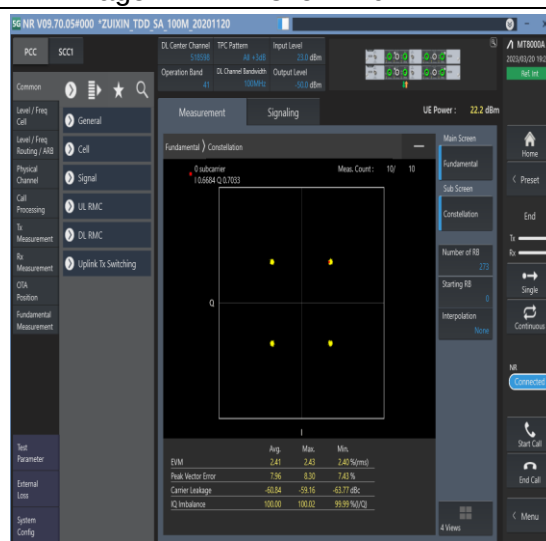
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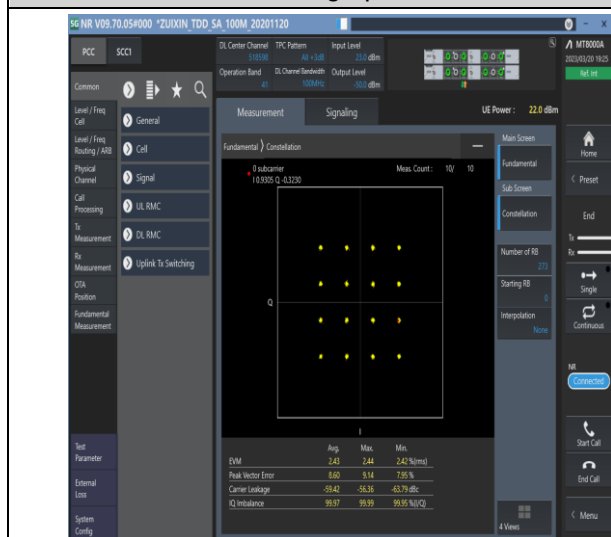
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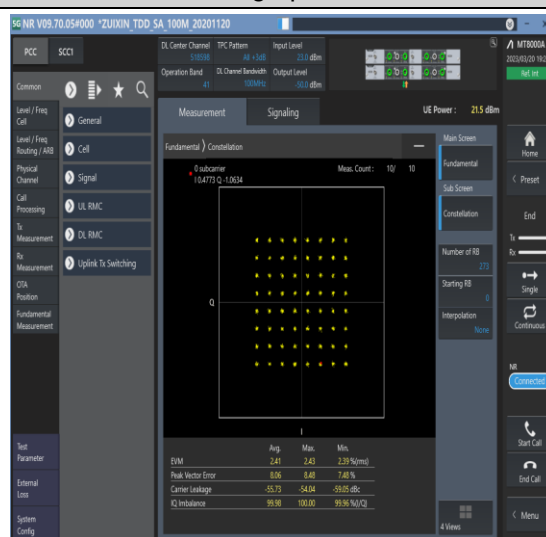
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1-N41-30-100-M-6-CP-QPSK-Outer_Full-273@0-An t1-see graph-PASS



1-N41-30-100-M-7-CP-16QAM-Outer_Full-273@0-An t1-see graph-PASS

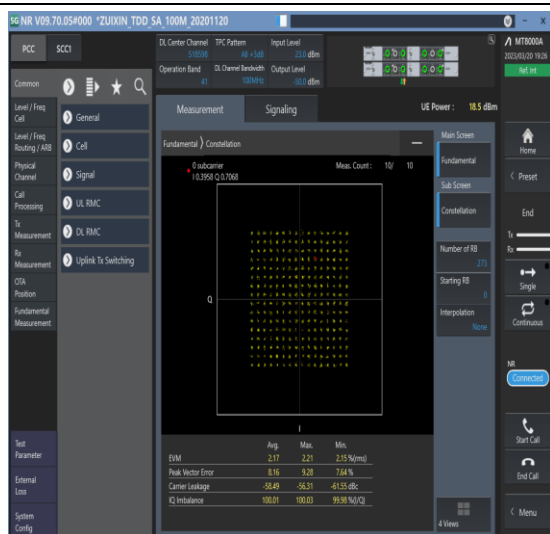


1-N41-30-100-M-8-CP-64QAM-Outer_Full-273@0-Ant1-see graph-PASS

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1-N41-30-100-M-9-CP-256QAM-Outer_Full-273@0-Ant1-see
graph-PASS



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N41	30	20	DFT-QPSK	L	Outer_Full	17.852	19.440	PASS
N41	30	20	DFT-PI2BPSK	L	Outer_Full	17.870	19.440	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	17.851	19.240	PASS
N41	30	20	DFT-64QAM	L	Outer_Full	17.890	19.440	PASS
N41	30	20	DFT-256QAM	L	Outer_Full	17.833	19.240	PASS
N41	30	20	CP-QPSK	L	Outer_Full	18.204	20.280	PASS
N41	30	20	CP-16QAM	L	Outer_Full	18.237	20.120	PASS
N41	30	20	CP-64QAM	L	Outer_Full	18.249	20.160	PASS
N41	30	20	CP-256QAM	L	Outer_Full	18.233	19.320	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	17.840	19.040	PASS
N41	30	20	DFT-PI2BPSK	M	Outer_Full	17.855	19.640	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	17.884	18.800	PASS
N41	30	20	DFT-64QAM	M	Outer_Full	17.905	19.520	PASS
N41	30	20	DFT-256QAM	M	Outer_Full	17.861	19.400	PASS
N41	30	20	CP-QPSK	M	Outer_Full	18.174	19.480	PASS
N41	30	20	CP-16QAM	M	Outer_Full	18.254	20.160	PASS
N41	30	20	CP-64QAM	M	Outer_Full	18.273	19.240	PASS
N41	30	20	CP-256QAM	M	Outer_Full	18.251	19.960	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	17.856	18.920	PASS
N41	30	20	DFT-PI2BPSK	H	Outer_Full	17.899	19.880	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	17.812	18.560	PASS
N41	30	20	DFT-64QAM	H	Outer_Full	17.915	19.600	PASS
N41	30	20	DFT-256QAM	H	Outer_Full	17.880	19.440	PASS
N41	30	20	CP-QPSK	H	Outer_Full	18.250	20.000	PASS
N41	30	20	CP-16QAM	H	Outer_Full	18.232	19.520	PASS
N41	30	20	CP-64QAM	H	Outer_Full	18.260	20.440	PASS
N41	30	20	CP-256QAM	H	Outer_Full	18.166	19.560	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	26.839	28.860	PASS
N41	30	30	DFT-PI2BPSK	L	Outer_Full	26.845	28.800	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	26.895	28.800	PASS
N41	30	30	DFT-64QAM	L	Outer_Full	26.814	28.740	PASS
N41	30	30	DFT-256QAM	L	Outer_Full	26.823	28.920	PASS



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N41	30	30	CP-QPSK	L	Outer_Full	27.884	30.300	PASS
N41	30	30	CP-16QAM	L	Outer_Full	27.896	29.880	PASS
N41	30	30	CP-64QAM	L	Outer_Full	27.885	30.060	PASS
N41	30	30	CP-256QAM	L	Outer_Full	27.866	29.820	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	26.841	28.800	PASS
N41	30	30	DFT-PI2BPSK	M	Outer_Full	26.833	28.860	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	26.876	28.800	PASS
N41	30	30	DFT-64QAM	M	Outer_Full	26.850	28.920	PASS
N41	30	30	DFT-256QAM	M	Outer_Full	26.826	28.800	PASS
N41	30	30	CP-QPSK	M	Outer_Full	27.927	30.060	PASS
N41	30	30	CP-16QAM	M	Outer_Full	27.906	29.940	PASS
N41	30	30	CP-64QAM	M	Outer_Full	27.901	29.880	PASS
N41	30	30	CP-256QAM	M	Outer_Full	27.877	29.820	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	26.857	28.980	PASS
N41	30	30	DFT-PI2BPSK	H	Outer_Full	26.858	28.860	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	26.879	28.860	PASS
N41	30	30	DFT-64QAM	H	Outer_Full	26.899	29.100	PASS
N41	30	30	DFT-256QAM	H	Outer_Full	26.816	28.800	PASS
N41	30	30	CP-QPSK	H	Outer_Full	28.008	32.520	PASS
N41	30	30	CP-16QAM	H	Outer_Full	27.942	29.820	PASS
N41	30	30	CP-64QAM	H	Outer_Full	27.920	32.700	PASS
N41	30	30	CP-256QAM	H	Outer_Full	27.888	29.760	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	35.780	38.240	PASS
N41	30	40	DFT-PI2BPSK	L	Outer_Full	35.762	38.080	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	35.785	38.240	PASS
N41	30	40	DFT-64QAM	L	Outer_Full	35.904	38.160	PASS
N41	30	40	DFT-256QAM	L	Outer_Full	35.751	38.080	PASS
N41	30	40	CP-QPSK	L	Outer_Full	37.958	40.320	PASS
N41	30	40	CP-16QAM	L	Outer_Full	37.929	40.480	PASS
N41	30	40	CP-64QAM	L	Outer_Full	37.917	40.480	PASS
N41	30	40	CP-256QAM	L	Outer_Full	37.873	40.000	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	35.785	38.320	PASS
N41	30	40	DFT-PI2BPSK	M	Outer_Full	35.792	38.080	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	35.799	38.240	PASS
N41	30	40	DFT-64QAM	M	Outer_Full	35.889	38.160	PASS
N41	30	40	DFT-256QAM	M	Outer_Full	35.787	38.400	PASS
N41	30	40	CP-QPSK	M	Outer_Full	37.933	40.240	PASS
N41	30	40	CP-16QAM	M	Outer_Full	37.913	40.400	PASS



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