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Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N38	30	40	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	see graph	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	see graph	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	see graph	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	see graph	PASS
N38	30	40	CP-QPSK	M	Outer_Full	see graph	PASS
N38	30	40	CP-16QAM	M	Outer_Full	see graph	PASS
N38	30	40	CP-64QAM	M	Outer_Full	see graph	PASS
N38	30	40	CP-256QAM	M	Outer_Full	see graph	PASS



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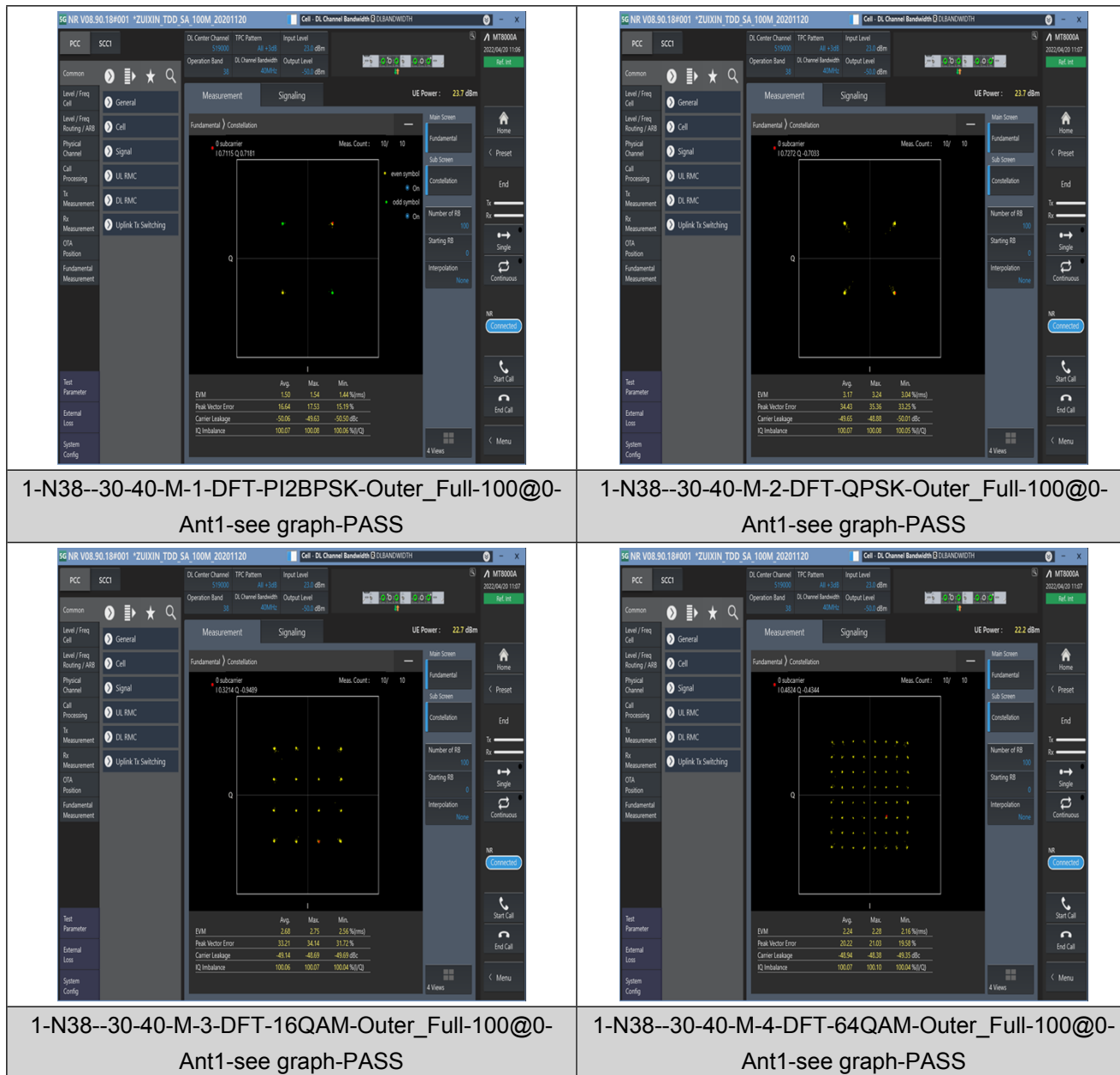
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Test Graphs

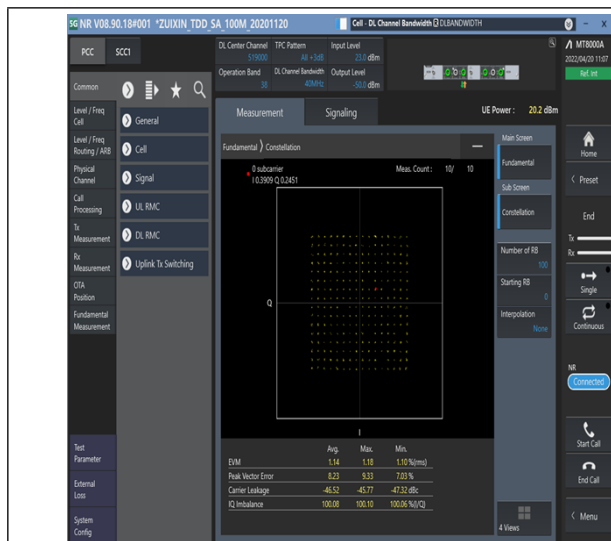


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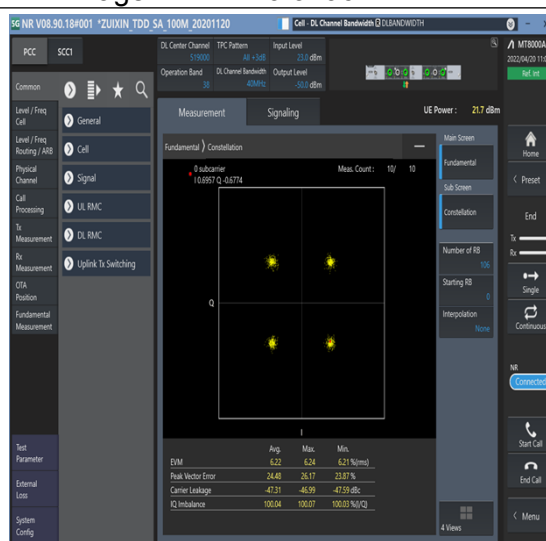
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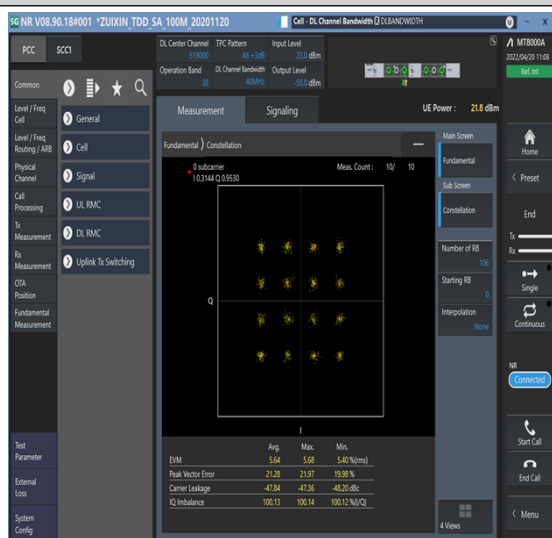
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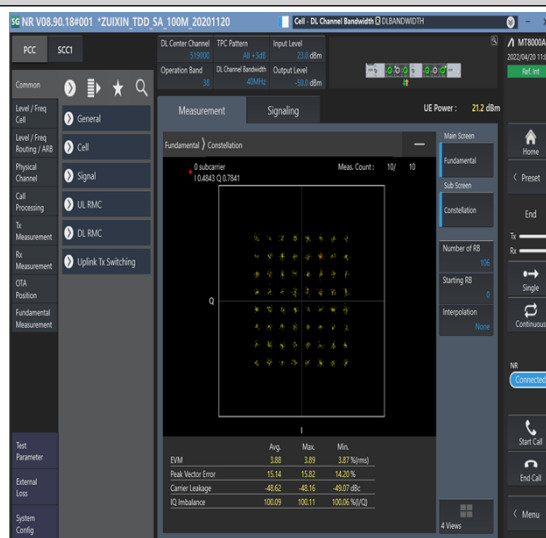
1-N38--30-40-M-5-DFT-256QAM-Outer_Full-100@0-Ant1-see graph-PASS



1-N38--30-40-M-6-CP-QPSK-Outer_Full-106@0-Ant1-see graph-PASS



1-N38--30-40-M-7-CP-16QAM-Outer_Full-106@0-Ant1-see graph-PASS

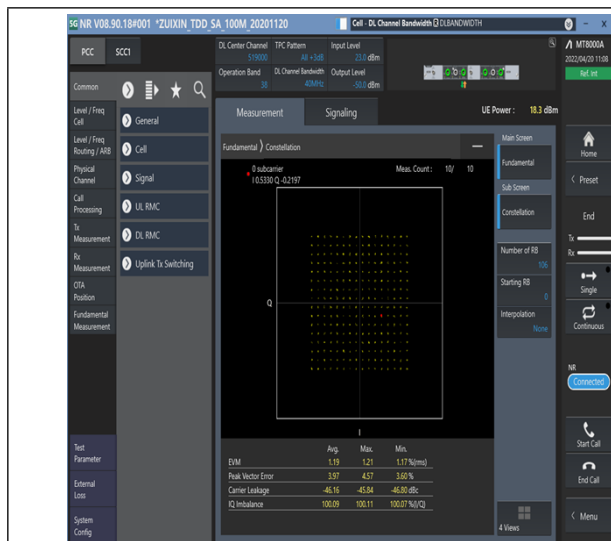


1-N38--30-40-M-8-CP-64QAM-Outer_Full-106@0-Ant1-see graph-PASS

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1-N38--30-40-M-9-CP-256QAM-Outer_Full-106@0-
Ant1-see graph-PASS



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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
N38	30	10	DFT-QPSK	L	Outer_Full	8.577	9.400	PASS
N38	30	10	DFT-PI2BPSK	L	Outer_Full	8.544	9.360	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	8.592	9.500	PASS
N38	30	10	DFT-64QAM	L	Outer_Full	8.558	9.480	PASS
N38	30	10	DFT-256QAM	L	Outer_Full	8.591	10.000	PASS
N38	30	10	CP-QPSK	L	Outer_Full	8.565	9.480	PASS
N38	30	10	CP-16QAM	L	Outer_Full	8.615	9.440	PASS
N38	30	10	CP-64QAM	L	Outer_Full	8.608	9.500	PASS
N38	30	10	CP-256QAM	L	Outer_Full	8.583	9.620	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	8.595	9.860	PASS
N38	30	10	DFT-PI2BPSK	M	Outer_Full	8.574	9.360	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	8.592	10.000	PASS
N38	30	10	DFT-64QAM	M	Outer_Full	8.6	9.320	PASS
N38	30	10	DFT-256QAM	M	Outer_Full	8.57	9.500	PASS
N38	30	10	CP-QPSK	M	Outer_Full	8.601	9.440	PASS
N38	30	10	CP-16QAM	M	Outer_Full	8.6	9.540	PASS
N38	30	10	CP-64QAM	M	Outer_Full	8.608	9.500	PASS
N38	30	10	CP-256QAM	M	Outer_Full	8.577	9.540	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	8.599	9.480	PASS
N38	30	10	DFT-PI2BPSK	H	Outer_Full	8.58	9.320	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	8.608	9.540	PASS
N38	30	10	DFT-64QAM	H	Outer_Full	8.594	9.360	PASS
N38	30	10	DFT-256QAM	H	Outer_Full	8.559	9.860	PASS
N38	30	10	CP-QPSK	H	Outer_Full	8.615	9.600	PASS
N38	30	10	CP-16QAM	H	Outer_Full	8.571	10.020	PASS
N38	30	10	CP-64QAM	H	Outer_Full	8.609	9.420	PASS
N38	30	10	CP-256QAM	H	Outer_Full	8.595	9.760	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	12.885	14.280	PASS
N38	30	15	DFT-PI2BPSK	L	Outer_Full	12.949	14.040	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	12.852	14.010	PASS
N38	30	15	DFT-64QAM	L	Outer_Full	12.891	14.250	PASS
N38	30	15	DFT-256QAM	L	Outer_Full	12.813	13.920	PASS



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N38	30	15	CP-QPSK	L	Outer_Full	13.588	14.670	PASS
N38	30	15	CP-16QAM	L	Outer_Full	13.571	14.940	PASS
N38	30	15	CP-64QAM	L	Outer_Full	13.606	14.970	PASS
N38	30	15	CP-256QAM	L	Outer_Full	13.604	14.820	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	12.914	14.010	PASS
N38	30	15	DFT-PI2BPSK	M	Outer_Full	12.896	14.070	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	12.899	14.190	PASS
N38	30	15	DFT-64QAM	M	Outer_Full	12.887	14.250	PASS
N38	30	15	DFT-256QAM	M	Outer_Full	12.871	14.340	PASS
N38	30	15	CP-QPSK	M	Outer_Full	13.581	14.640	PASS
N38	30	15	CP-16QAM	M	Outer_Full	13.575	15.060	PASS
N38	30	15	CP-64QAM	M	Outer_Full	13.675	14.790	PASS
N38	30	15	CP-256QAM	M	Outer_Full	13.615	14.970	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	12.877	14.010	PASS
N38	30	15	DFT-PI2BPSK	H	Outer_Full	12.834	14.130	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	12.835	13.950	PASS
N38	30	15	DFT-64QAM	H	Outer_Full	12.878	14.400	PASS
N38	30	15	DFT-256QAM	H	Outer_Full	12.829	13.680	PASS
N38	30	15	CP-QPSK	H	Outer_Full	13.607	14.610	PASS
N38	30	15	CP-16QAM	H	Outer_Full	13.589	14.550	PASS
N38	30	15	CP-64QAM	H	Outer_Full	13.568	14.400	PASS
N38	30	15	CP-256QAM	H	Outer_Full	13.524	14.850	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	17.906	19.560	PASS
N38	30	20	DFT-PI2BPSK	L	Outer_Full	17.871	19.720	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	17.906	19.560	PASS
N38	30	20	DFT-64QAM	L	Outer_Full	17.906	19.480	PASS
N38	30	20	DFT-256QAM	L	Outer_Full	17.877	19.560	PASS
N38	30	20	CP-QPSK	L	Outer_Full	18.213	20.080	PASS
N38	30	20	CP-16QAM	L	Outer_Full	18.236	20.000	PASS
N38	30	20	CP-64QAM	L	Outer_Full	18.23	19.880	PASS
N38	30	20	CP-256QAM	L	Outer_Full	18.237	19.680	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	17.897	19.560	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	17.858	19.760	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	17.912	19.600	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	17.9	19.520	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	17.891	19.480	PASS
N38	30	20	CP-QPSK	M	Outer_Full	18.226	20.000	PASS
N38	30	20	CP-16QAM	M	Outer_Full	18.235	19.720	PASS



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N38	30	20	CP-64QAM	M	Outer_Full	18.225	19.880	PASS
N38	30	20	CP-256QAM	M	Outer_Full	18.235	19.720	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	17.846	19.520	PASS
N38	30	20	DFT-PI2BPSK	H	Outer_Full	17.858	19.720	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	17.948	19.560	PASS
N38	30	20	DFT-64QAM	H	Outer_Full	17.896	19.560	PASS
N38	30	20	DFT-256QAM	H	Outer_Full	17.858	19.720	PASS
N38	30	20	CP-QPSK	H	Outer_Full	18.231	19.960	PASS
N38	30	20	CP-16QAM	H	Outer_Full	18.228	20.000	PASS
N38	30	20	CP-64QAM	H	Outer_Full	18.219	19.840	PASS
N38	30	20	CP-256QAM	H	Outer_Full	18.26	19.840	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	26.83	28.740	PASS
N38	30	30	DFT-PI2BPSK	L	Outer_Full	26.835	28.860	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	26.856	28.740	PASS
N38	30	30	DFT-64QAM	L	Outer_Full	26.831	28.800	PASS
N38	30	30	DFT-256QAM	L	Outer_Full	26.819	28.980	PASS
N38	30	30	CP-QPSK	L	Outer_Full	27.914	30.420	PASS
N38	30	30	CP-16QAM	L	Outer_Full	27.911	29.820	PASS
N38	30	30	CP-64QAM	L	Outer_Full	27.905	30.660	PASS
N38	30	30	CP-256QAM	L	Outer_Full	27.892	29.880	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	26.839	28.860	PASS
N38	30	30	DFT-PI2BPSK	M	Outer_Full	26.898	28.800	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	26.885	28.800	PASS
N38	30	30	DFT-64QAM	M	Outer_Full	26.846	28.860	PASS
N38	30	30	DFT-256QAM	M	Outer_Full	26.868	28.920	PASS
N38	30	30	CP-QPSK	M	Outer_Full	27.882	30.120	PASS
N38	30	30	CP-16QAM	M	Outer_Full	27.9	29.880	PASS
N38	30	30	CP-64QAM	M	Outer_Full	27.872	30.000	PASS
N38	30	30	CP-256QAM	M	Outer_Full	27.87	29.700	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	26.796	28.860	PASS
N38	30	30	DFT-PI2BPSK	H	Outer_Full	26.813	28.680	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	26.862	28.860	PASS
N38	30	30	DFT-64QAM	H	Outer_Full	26.835	29.100	PASS
N38	30	30	DFT-256QAM	H	Outer_Full	26.82	28.680	PASS
N38	30	30	CP-QPSK	H	Outer_Full	27.845	30.660	PASS
N38	30	30	CP-16QAM	H	Outer_Full	27.875	29.880	PASS
N38	30	30	CP-64QAM	H	Outer_Full	27.852	29.760	PASS
N38	30	30	CP-256QAM	H	Outer_Full	27.851	29.700	PASS



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N38	30	40	DFT-QPSK	L	Outer_Full	35.764	38.320	PASS
N38	30	40	DFT-PI2BPSK	L	Outer_Full	35.783	38.160	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	35.775	38.160	PASS
N38	30	40	DFT-64QAM	L	Outer_Full	35.904	38.240	PASS
N38	30	40	DFT-256QAM	L	Outer_Full	35.772	38.080	PASS
N38	30	40	CP-QPSK	L	Outer_Full	37.96	40.320	PASS
N38	30	40	CP-16QAM	L	Outer_Full	37.956	40.480	PASS
N38	30	40	CP-64QAM	L	Outer_Full	37.93	40.560	PASS
N38	30	40	CP-256QAM	L	Outer_Full	37.89	40.160	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	35.78	38.320	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	35.815	38.160	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	35.777	38.320	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	35.923	38.240	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	35.782	38.160	PASS
N38	30	40	CP-QPSK	M	Outer_Full	37.961	40.400	PASS
N38	30	40	CP-16QAM	M	Outer_Full	37.943	40.480	PASS
N38	30	40	CP-64QAM	M	Outer_Full	37.931	40.480	PASS
N38	30	40	CP-256QAM	M	Outer_Full	37.897	40.320	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	35.764	38.240	PASS
N38	30	40	DFT-PI2BPSK	H	Outer_Full	35.802	38.000	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	35.769	38.160	PASS
N38	30	40	DFT-64QAM	H	Outer_Full	35.875	38.080	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	35.739	38.000	PASS
N38	30	40	CP-QPSK	H	Outer_Full	37.958	40.320	PASS
N38	30	40	CP-16QAM	H	Outer_Full	37.944	40.480	PASS
N38	30	40	CP-64QAM	H	Outer_Full	37.889	40.400	PASS
N38	30	40	CP-256QAM	H	Outer_Full	37.92	40.320	PASS



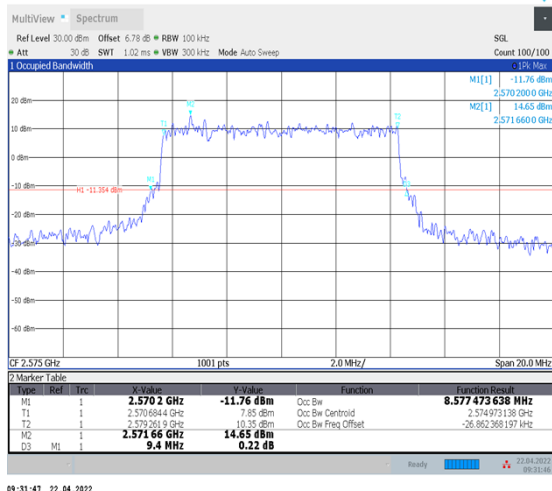
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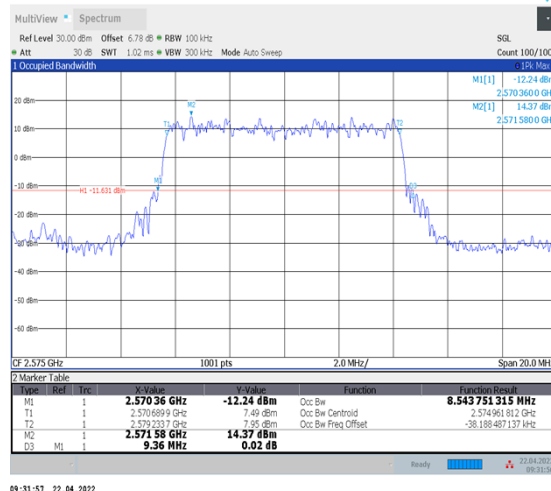
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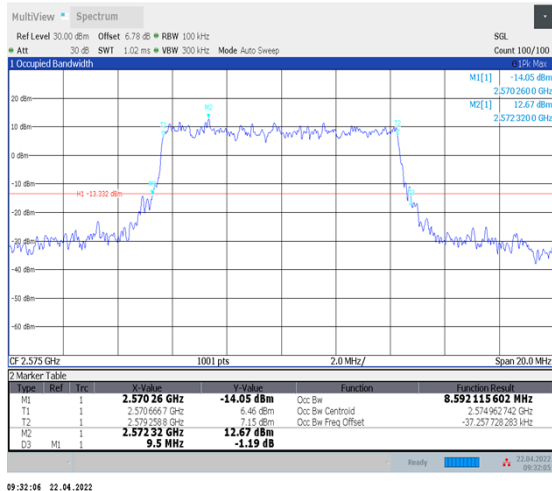
Test Graphs



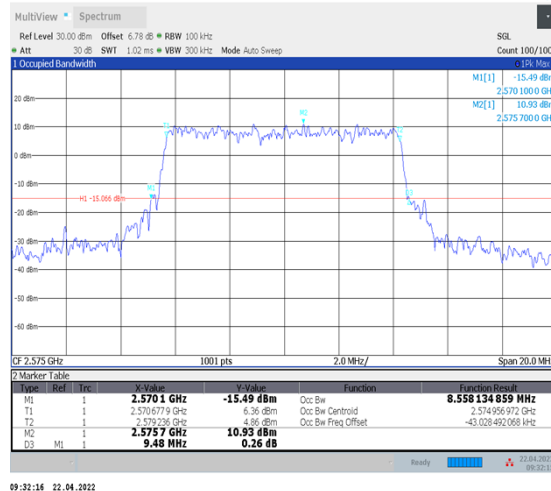
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1-N38--30-10-L-2-DFT-PI2BPSK-Outer_Full-24@0-
Ant1-8.544-9.360-≤10-PASS



1-N38--30-10-L-3-DFT-16QAM-Outer_Full-24@0-
Ant1-8.592-9.500-≤10-PASS



1-N38--30-10-L-4-DFT-64QAM-Outer_Full-24@0-
Ant1-8.558-9.480-≤10-PASS



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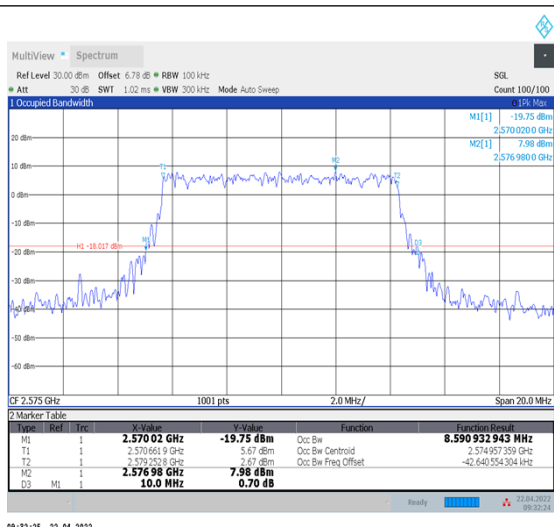
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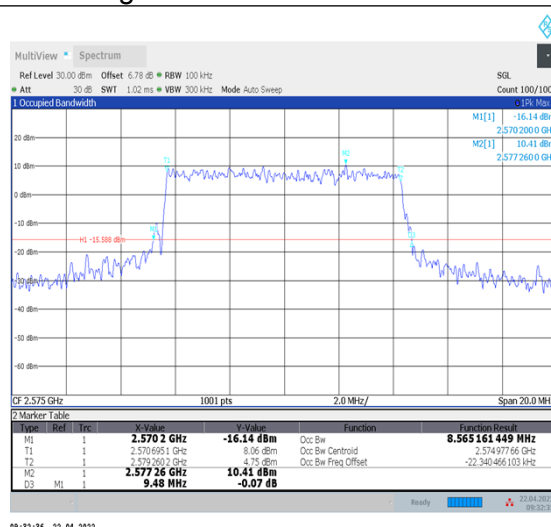
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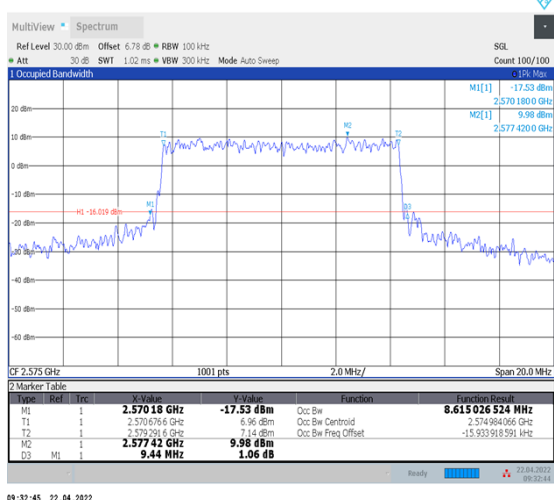
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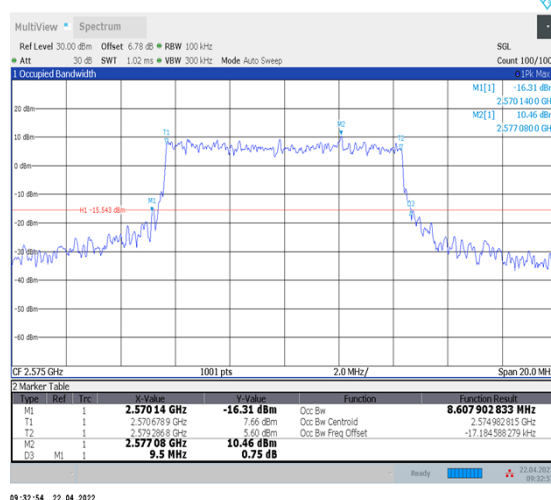
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1-N38--30-10-L-6-CP-QPSK-Outer_Full-24@0-Ant1-8.565-9.480-≤10-PASS



1-N38--30-10-L-7-CP-16QAM-Outer_Full-24@0-Ant1-8.615-9.440-≤10-PASS



1-N38--30-10-L-8-CP-64QAM-Outer_Full-24@0-Ant1-8.608-9.500-≤10-PASS



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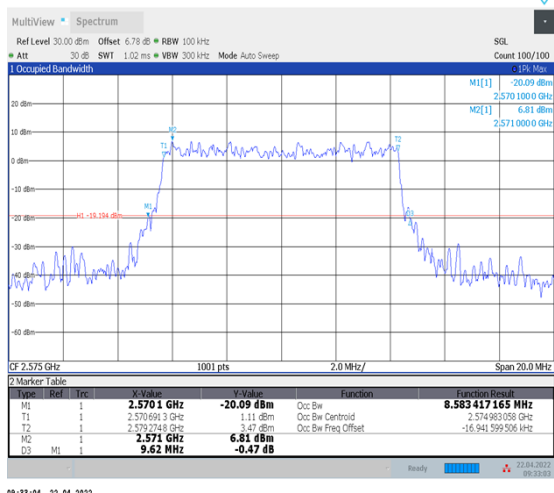
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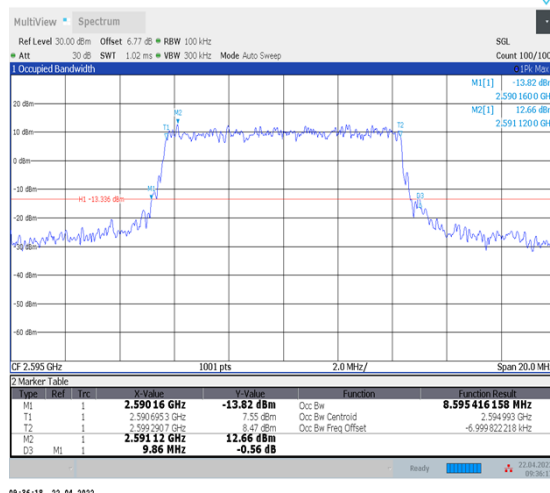
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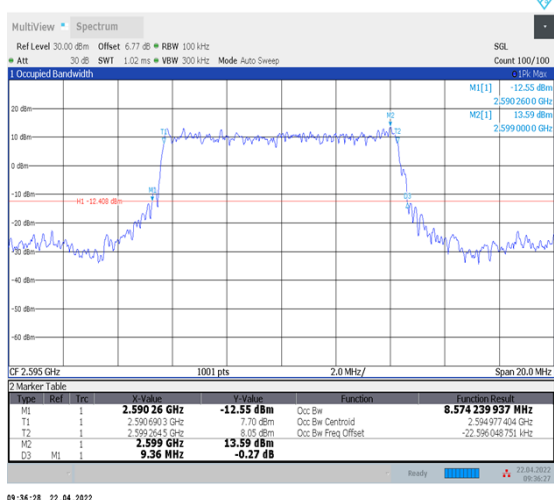
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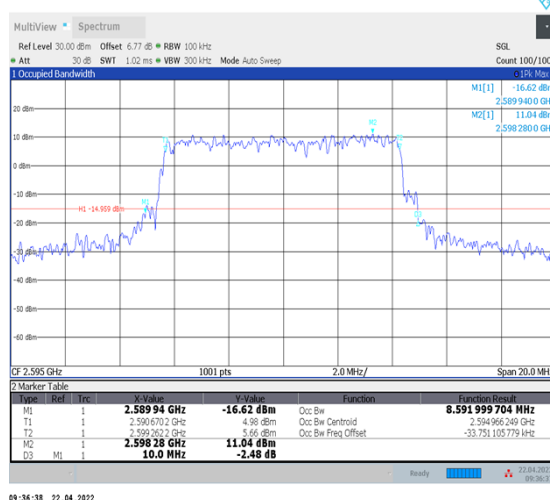
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1-N38--30-10-M-1-DFT-QPSK-Outer_Full-24@0-
Ant1-8.595-9.860-≤10-PASS



1-N38--30-10-M-2-DFT-PI2BPSK-Outer_Full-24@0-
Ant1-8.574-9.360-≤10-PASS



1-N38--30-10-M-3-DFT-16QAM-Outer_Full-24@0-
Ant1-8.592-10.000-≤10-PASS



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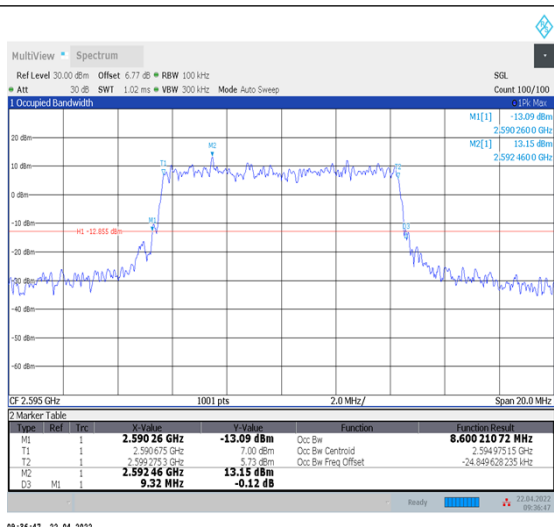
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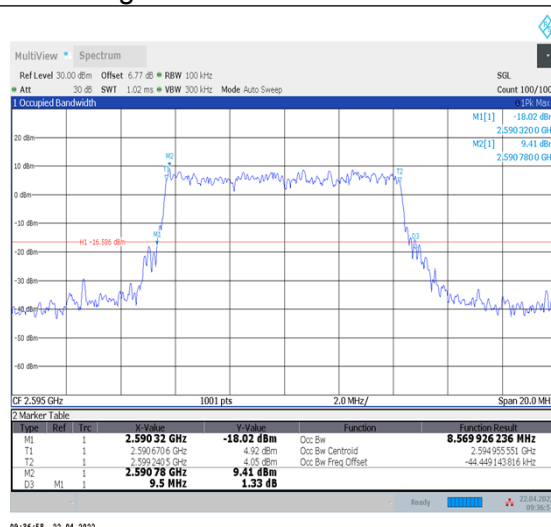
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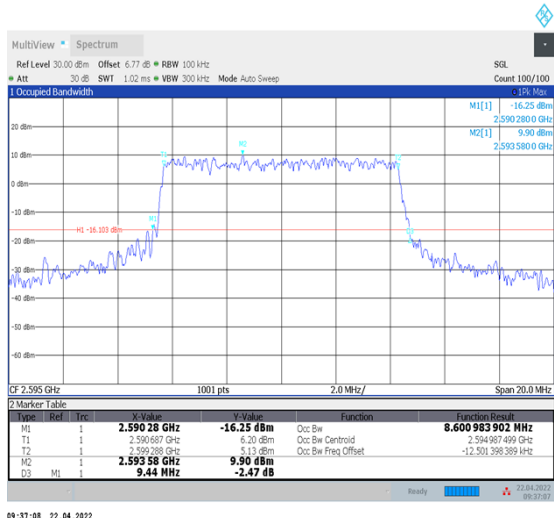
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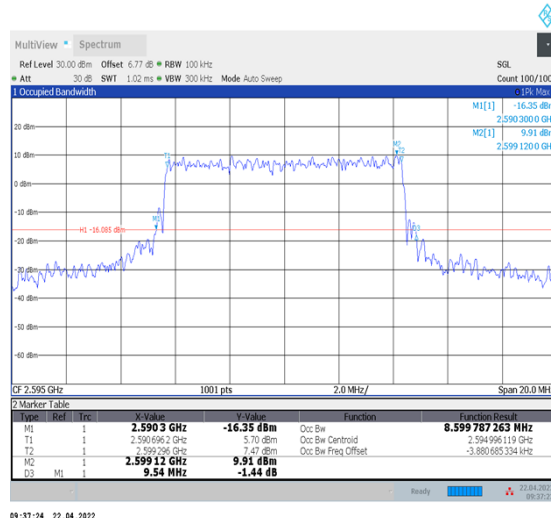
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1-N38--30-10-M-6-CP-QPSK-Outer_Full-24@0-Ant1-8.601-9.440-≤10-PASS



1-N38--30-10-M-7-CP-16QAM-Outer_Full-24@0-Ant1-8.6-9.540-≤10-PASS



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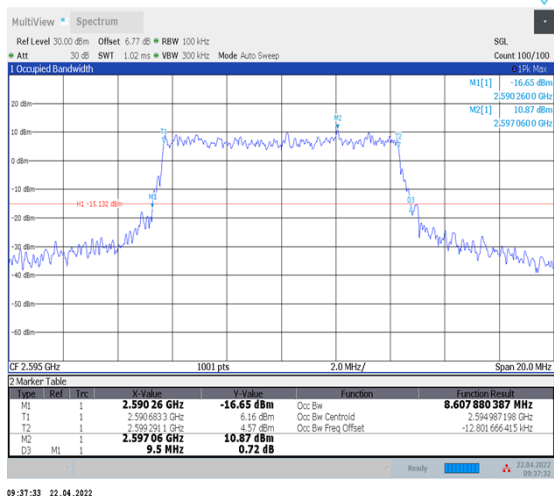
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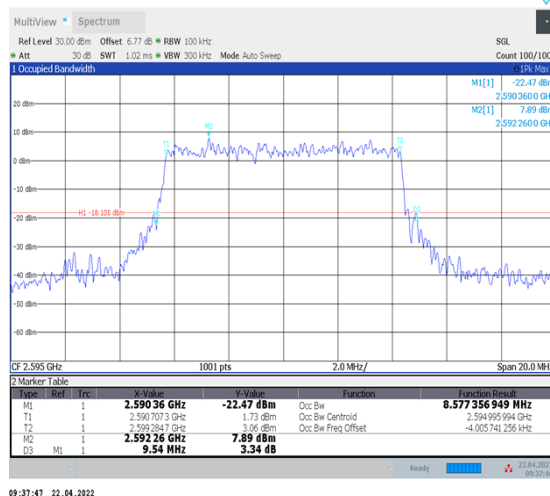
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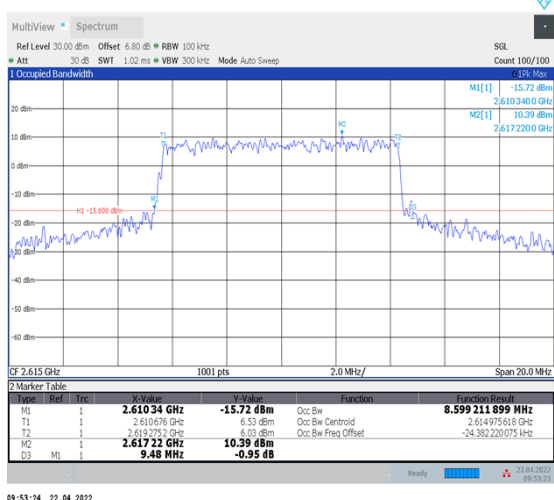
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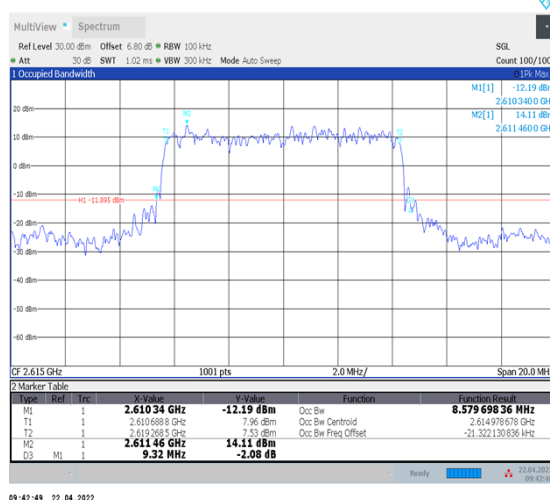
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Ant1-8.577-9.540-≤10-PASS



1-N38--30-10-H-1-DFT-QPSK-Outer_Full-24@0-
Ant1-8.599-9.480-≤10-PASS



1-N38--30-10-H-2-DFT-PI2BPSK-Outer_Full-24@0-
Ant1-8.58-9.320-≤10-PASS



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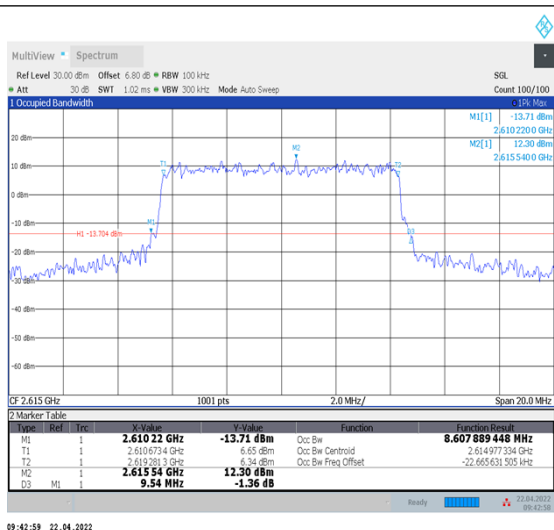
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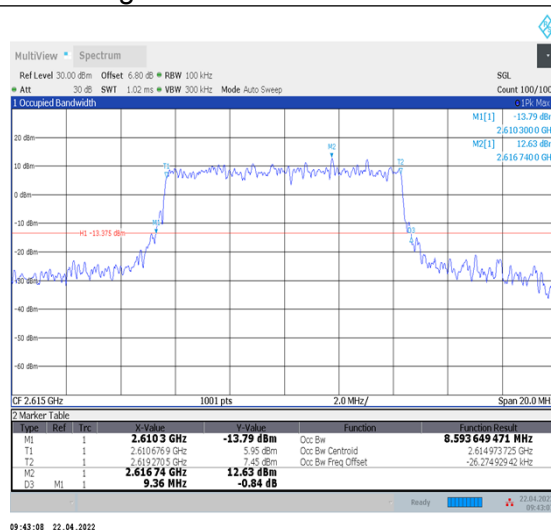
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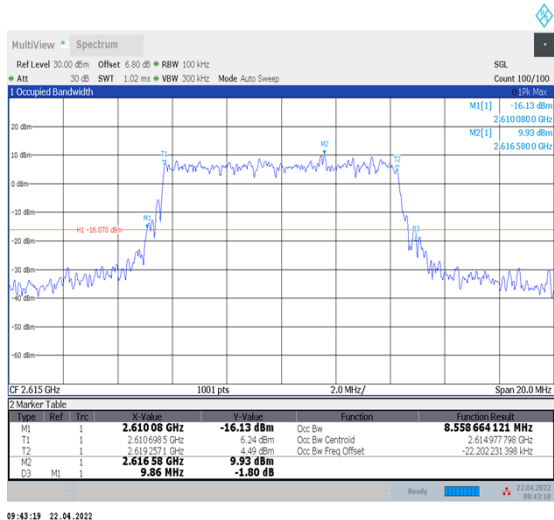
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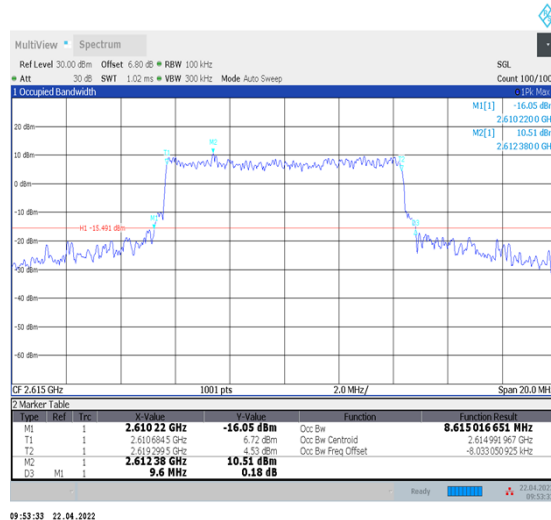
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1-N38--30-10-H-5-DFT-256QAM-Outer_Full-24@0-Ant1-8.559-9.860-≤10-PASS



1-N38--30-10-H-6-CP-QPSK-Outer_Full-24@0-Ant1-8.615-9.600-≤10-PASS



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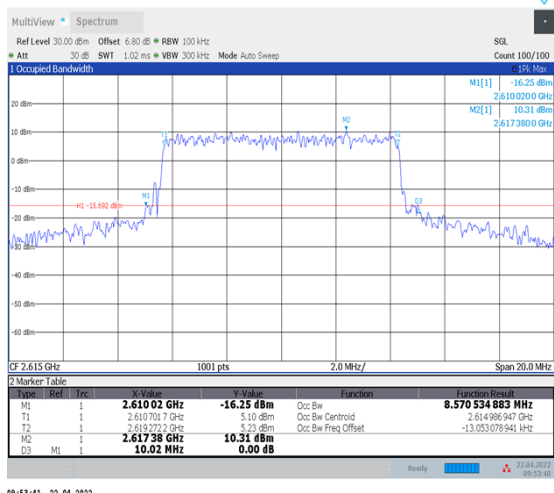
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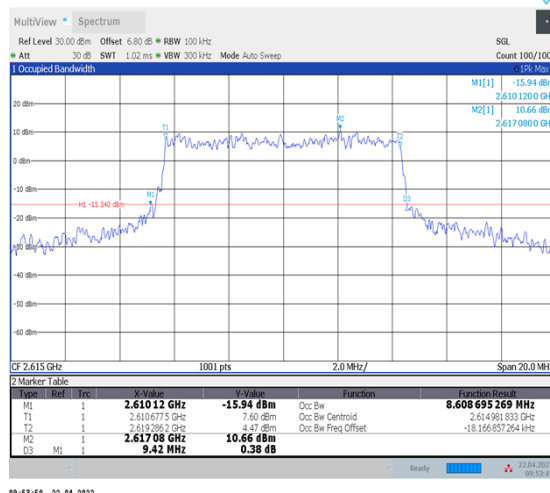
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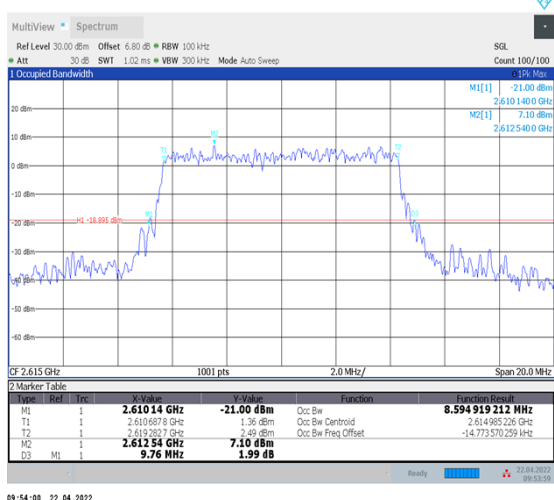
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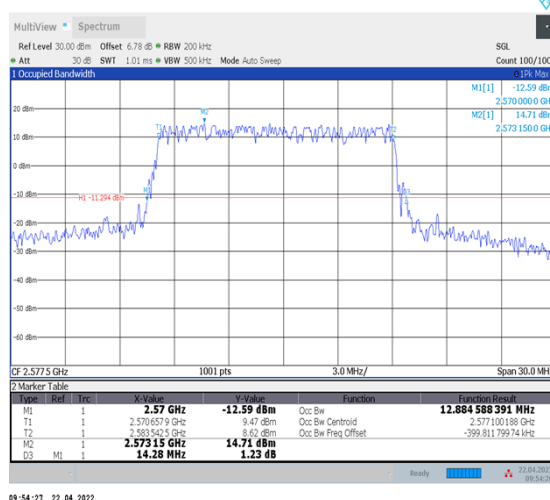
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1-N38--30-10-H-8-CP-64QAM-Outer_Full-24@0-
Ant1-8.609-9.420-≤10-PASS



1-N38--30-10-H-9-CP-256QAM-Outer_Full-24@0-
Ant1-8.595-9.760-≤10-PASS



1-N38--30-15-L-1-DFT-QPSK-Outer_Full-36@0-
Ant1-12.885-14.280-≤15-PASS



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