

n41	30	100	528000	135@67	DFT_QAM64	19.46	-3.6	15.86	38.55	2000	PASS
n41	30	100	528000	1@1	DFT_QAM64	18.32	-3.6	14.72	29.65	2000	PASS
n41	30	100	528000	1@271	DFT_QAM64	18.66	-3.6	15.06	32.06	2000	PASS
n41	30	100	528000	270@0	DFT_QAM256	15.36	-3.6	11.76	15	2000	PASS
n41	30	100	528000	135@67	DFT_QAM256	15.24	-3.6	11.64	14.59	2000	PASS
n41	30	100	528000	1@1	DFT_QAM256	14.94	-3.6	11.34	13.61	2000	PASS
n41	30	100	528000	1@271	DFT_QAM256	14.53	-3.6	10.93	12.39	2000	PASS
n41	30	100	528000	273@0	CP_QPSK	19.42	-3.6	15.82	38.19	2000	PASS
n41	30	100	528000	137@68	CP_QPSK	20.4	-3.6	16.8	47.86	2000	PASS
n41	30	100	528000	1@1	CP_QPSK	19.46	-3.6	15.86	38.55	2000	PASS
n41	30	100	528000	1@271	CP_QPSK	19.84	-3.6	16.24	42.07	2000	PASS
n41	30	100	528000	273@0	CP_QAM16	18.75	-3.6	15.15	32.73	2000	PASS
n41	30	100	528000	137@68	CP_QAM16	19.94	-3.6	16.34	43.05	2000	PASS
n41	30	100	528000	1@1	CP_QAM16	18.88	-3.6	15.28	33.73	2000	PASS
n41	30	100	528000	1@271	CP_QAM16	19.22	-3.6	15.62	36.48	2000	PASS
n41	30	100	528000	273@0	CP_QAM64	18.27	-3.6	14.67	29.31	2000	PASS
n41	30	100	528000	137@68	CP_QAM64	18.41	-3.6	14.81	30.27	2000	PASS
n41	30	100	528000	1@1	CP_QAM64	17.57	-3.6	13.97	24.95	2000	PASS
n41	30	100	528000	1@271	CP_QAM64	17.98	-3.6	14.38	27.42	2000	PASS
n41	30	100	528000	273@0	CP_QAM256	15.19	-3.6	11.59	14.42	2000	PASS
n41	30	100	528000	137@68	CP_QAM256	15.39	-3.6	11.79	15.1	2000	PASS
n41	30	100	528000	1@1	CP_QAM256	14.07	-3.6	10.47	11.14	2000	PASS
n41	30	100	528000	1@271	CP_QAM256	14.48	-3.6	10.88	12.25	2000	PASS

2 Frequency stability

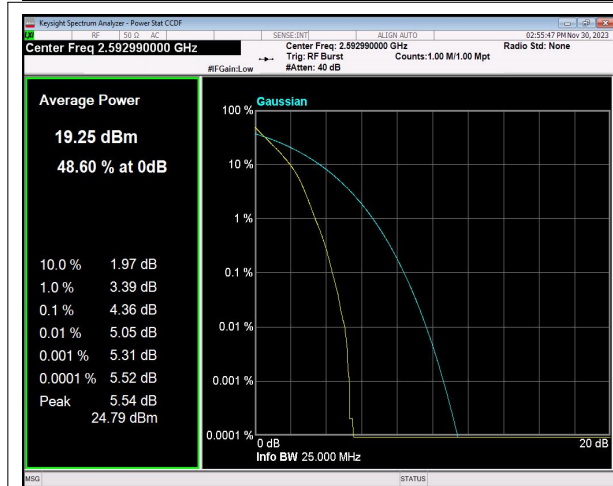
Condition		Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (Hz)	Result (ppm)	Verdict
Temperature (°C)	Voltage (V)									
20(Ref.)	3.0	n41	30	100	518598	270@0	DFT_BPSK	-6.3	-0.00243	PASS
20(Ref.)	3.87	n41	30	100	518598	270@0	DFT_BPSK	-2.1	-0.00081	PASS
20(Ref.)	4.35	n41	30	100	518598	270@0	DFT_BPSK	-5.2	-0.00201	PASS
-30	3.87	n41	30	100	518598	270@0	DFT_BPSK	-1.6	-0.00062	PASS
-20	3.87	n41	30	100	518598	270@0	DFT_BPSK	-4.8	-0.00185	PASS
-10	3.87	n41	30	100	518598	270@0	DFT_BPSK	-8.6	-0.00332	PASS
0	3.87	n41	30	100	518598	270@0	DFT_BPSK	-7.2	-0.00278	PASS
10	3.87	n41	30	100	518598	270@0	DFT_BPSK	-3.1	-0.0012	PASS
20(Ref.)	3.87	n41	30	100	518598	270@0	DFT_BPSK	-2.1	-0.00081	PASS
30	3.87	n41	30	100	518598	270@0	DFT_BPSK	-5.5	-0.00212	PASS
40	3.87	n41	30	100	518598	270@0	DFT_BPSK	-6.3	-0.00243	PASS
50	3.87	n41	30	100	518598	270@0	DFT_BPSK	-6.9	-0.00266	PASS

Note:

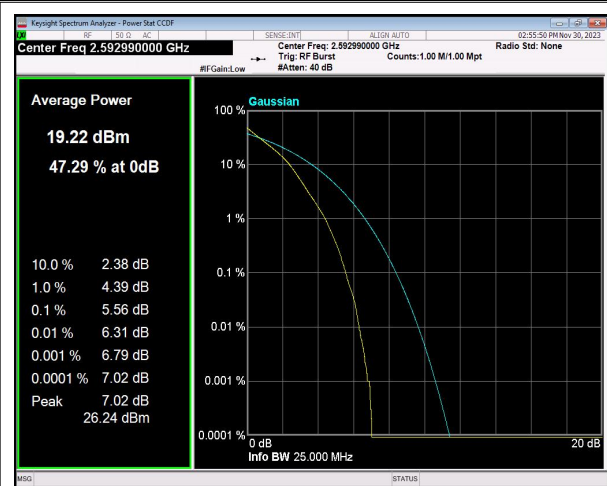
1. Normal Voltage = 3.87 V, Battery End Point (BEP) = 3.0 V, Maximum Voltage = 4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

3 Peak-to-Average Ratio for EN-DC

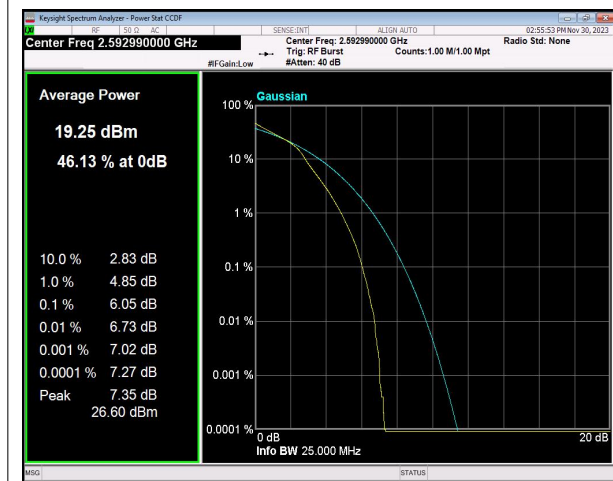
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	High Limit (dB)	Verdict
n41	30	20	518598	50@0	DFT_BPSK	4.36	13	PASS
n41	30	20	518598	50@0	DFT_QPSK	5.56	13	PASS
n41	30	20	518598	50@0	DFT_16QAM	6.05	13	PASS
n41	30	20	518598	50@0	DFT_64QAM	6.15	13	PASS
n41	30	20	518598	50@0	DFT_256QAM	6.64	13	PASS



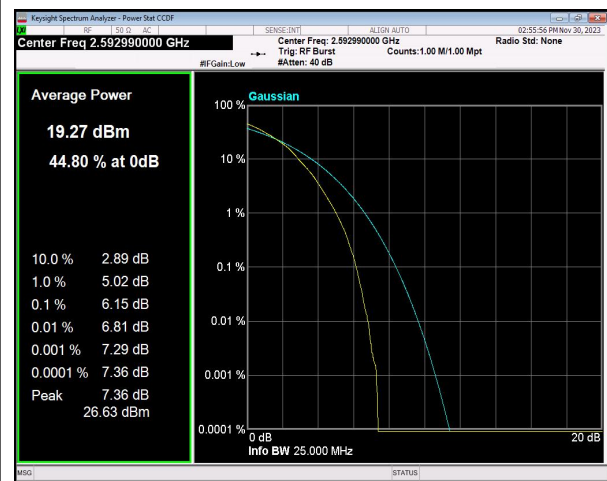
n41 SCS=30kHz DFT_BPSK BW=20MHz Channel=518598
RB=50@0



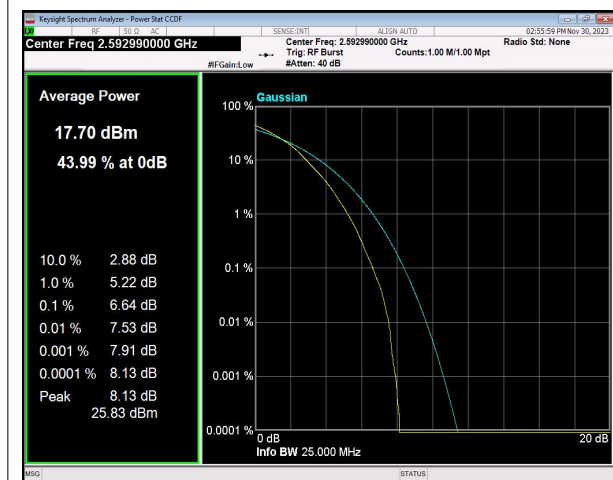
n41 SCS=30kHz DFT_QPSK BW=20MHz Channel=518598
RB=50@0



n41 SCS=30kHz DFT_16QAM BW=20MHz Channel=518598
RB=50@0



n41 SCS=30kHz DFT_64QAM BW=20MHz Channel=518598
RB=50@0

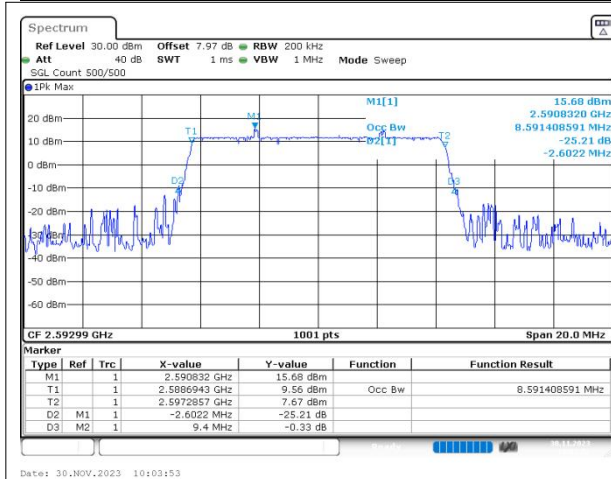


n41 SCS=30kHz DFT_256QAM BW=20MHz Channel=518598
RB=50@0

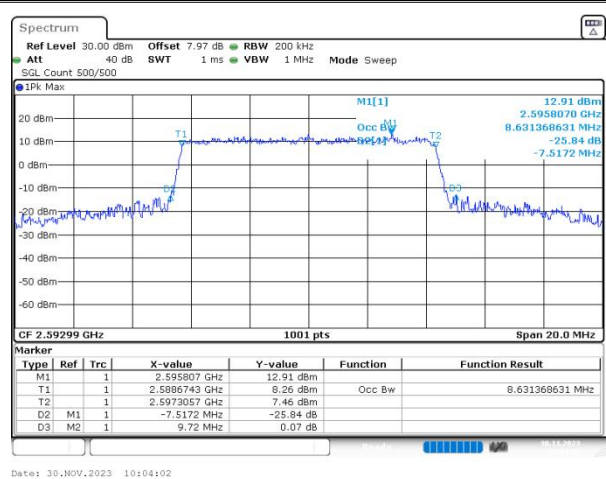
4 Occupied bandwidth

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	UL Frequency (MHz)	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n41	30	10	518598	2592.99	24@0	DFT_BPSK	8.591	9.400	PASS
n41	30	10	518598	2592.99	24@0	CP_QPSK	8.631	9.720	PASS
n41	30	10	518598	2592.99	24@0	CP_16QAM	8.631	9.980	PASS
n41	30	10	518598	2592.99	24@0	CP_64QAM	8.631	10.160	PASS
n41	30	10	518598	2592.99	24@0	CP_256QAM	8.611	9.280	PASS
n41	30	15	518598	2592.99	36@0	DFT_BPSK	12.917	13.860	PASS
n41	30	15	518598	2592.99	38@0	CP_QPSK	13.636	16.380	PASS
n41	30	15	518598	2592.99	38@0	CP_16QAM	13.636	15.060	PASS
n41	30	15	518598	2592.99	38@0	CP_64QAM	13.636	14.850	PASS
n41	30	15	518598	2592.99	38@0	CP_256QAM	13.636	14.580	PASS
n41	30	20	518598	2592.99	50@0	DFT_BPSK	18.022	19.360	PASS
n41	30	20	518598	2592.99	51@0	CP_QPSK	18.342	20.600	PASS
n41	30	20	518598	2592.99	51@0	CP_16QAM	18.342	21.120	PASS
n41	30	20	518598	2592.99	51@0	CP_64QAM	18.262	19.480	PASS
n41	30	20	518598	2592.99	51@0	CP_256QAM	18.222	19.600	PASS
n41	30	30	518598	2592.99	75@0	DFT_BPSK	27.033	29.340	PASS
n41	30	30	518598	2592.99	78@0	CP_QPSK	28.232	30.660	PASS
n41	30	30	518598	2592.99	78@0	CP_16QAM	28.232	36.000	PASS
n41	30	30	518598	2592.99	78@0	CP_64QAM	28.112	30.360	PASS
n41	30	30	518598	2592.99	78@0	CP_256QAM	28.052	30.240	PASS
n41	30	40	518598	2592.99	100@0	DFT_BPSK	35.964	39.440	PASS
n41	30	40	518598	2592.99	106@0	CP_QPSK	38.122	40.560	PASS
n41	30	40	518598	2592.99	106@0	CP_16QAM	38.282	40.640	PASS
n41	30	40	518598	2592.99	106@0	CP_64QAM	38.042	41.120	PASS
n41	30	40	518598	2592.99	106@0	CP_256QAM	38.122	42.640	PASS
n41	30	50	518598	2592.99	128@0	DFT_BPSK	45.854	48.600	PASS
n41	30	50	518598	2592.99	133@0	CP_QPSK	47.652	59.300	PASS
n41	30	50	518598	2592.99	133@0	CP_16QAM	47.752	53.600	PASS
n41	30	50	518598	2592.99	133@0	CP_64QAM	47.552	50.000	PASS
n41	30	50	518598	2592.99	133@0	CP_256QAM	47.453	50.300	PASS
n41	30	60	518598	2592.99	162@0	DFT_BPSK	58.501	62.760	PASS
n41	30	60	518598	2592.99	162@0	CP_QPSK	58.501	62.760	PASS
n41	30	60	518598	2592.99	162@0	CP_16QAM	58.621	70.440	PASS
n41	30	60	518598	2592.99	162@0	CP_64QAM	58.382	64.560	PASS
n41	30	60	518598	2592.99	162@0	CP_256QAM	58.501	63.000	PASS
n41	30	80	518598	2592.99	216@0	DFT_BPSK	77.522	83.040	PASS
n41	30	80	518598	2592.99	217@0	CP_QPSK	77.842	85.600	PASS

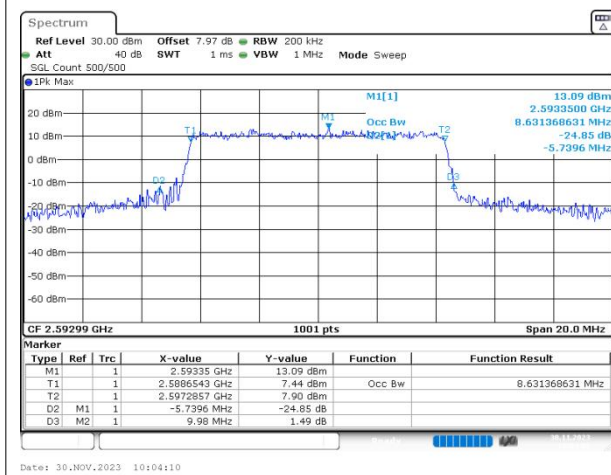
n41	30	80	518598	2592.99	217@0	CP_16QAM	77.842	92.640	PASS
n41	30	80	518598	2592.99	217@0	CP_64QAM	77.682	83.840	PASS
n41	30	80	518598	2592.99	217@0	CP_256QAM	77.842	82.400	PASS
n41	30	90	518598	2592.99	240@0	DFT_BPSK	85.594	90.540	PASS
n41	30	90	518598	2592.99	245@0	CP_QPSK	87.752	94.500	PASS
n41	30	90	518598	2592.99	245@0	CP_16QAM	87.752	94.500	PASS
n41	30	90	518598	2592.99	245@0	CP_64QAM	87.752	92.700	PASS
n41	30	90	518598	2592.99	245@0	CP_256QAM	87.393	92.340	PASS
n41	30	100	518598	2592.99	270@0	DFT_BPSK	96.304	102.800	PASS
n41	30	100	518598	2592.99	273@0	CP_QPSK	97.303	104.200	PASS
n41	30	100	518598	2592.99	273@0	CP_16QAM	97.502	102.800	PASS
n41	30	100	518598	2592.99	273@0	CP_64QAM	97.502	102.600	PASS
n41	30	100	518598	2592.99	273@0	CP_256QAM	97.303	102.600	PASS



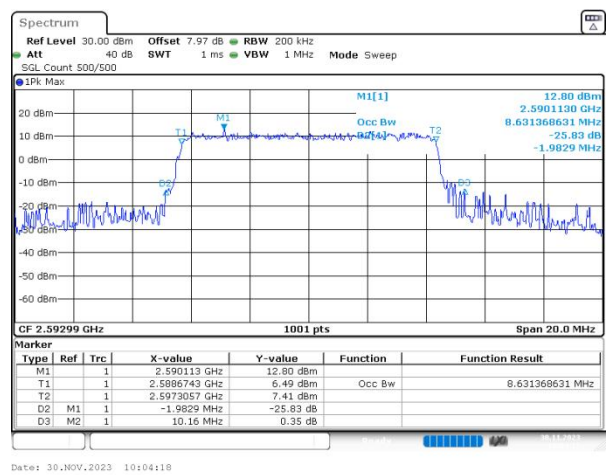
n41 SCS=30kHz DFT_BPSK BW=10MHz Channel=518598
RB=24@0



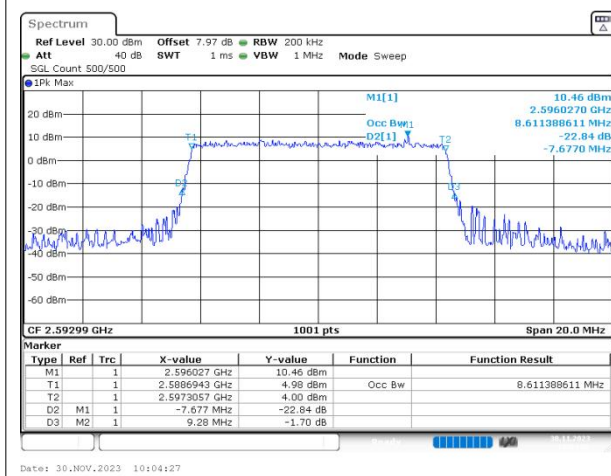
n41 SCS=30kHz CP_QPSK BW=10MHz Channel=518598
RB=24@0



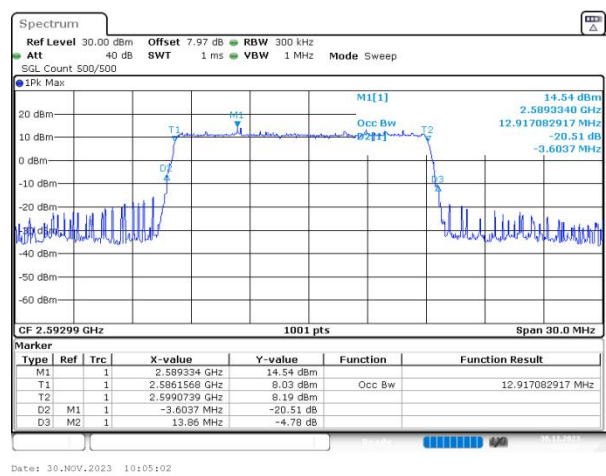
n41 SCS=30kHz CP_16QAM BW=10MHz Channel=518598
RB=24@0



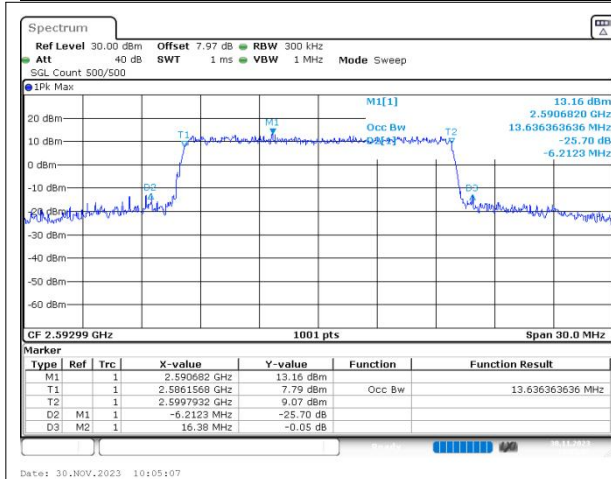
n41 SCS=30kHz CP_64QAM BW=10MHz Channel=518598
RB=24@0



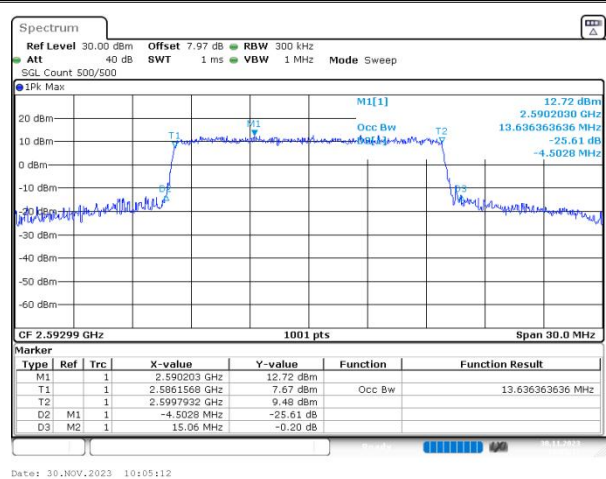
n41 SCS=30kHz CP_256QAM BW=10MHz Channel=518598
RB=24@0



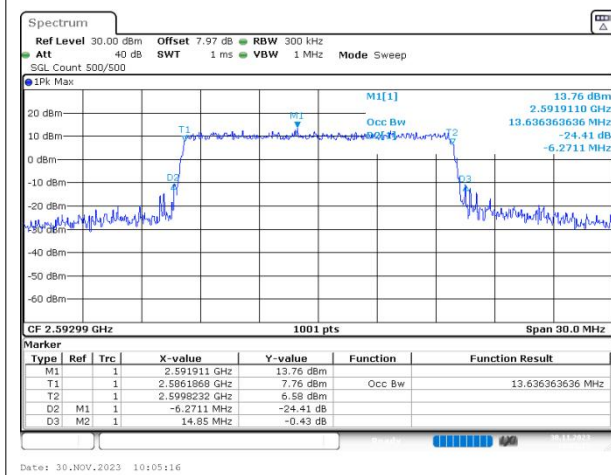
n41 SCS=30kHz DFT_BPSK BW=15MHz Channel=518598
RB=36@0



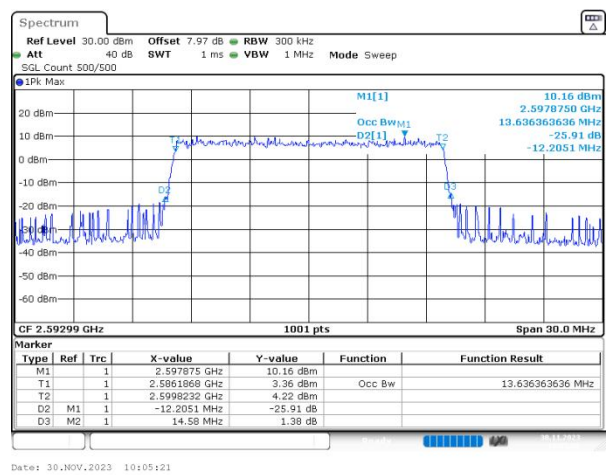
n41 SCS=30kHz CP_QPSK BW=15MHz Channel=518598
RB=38@0



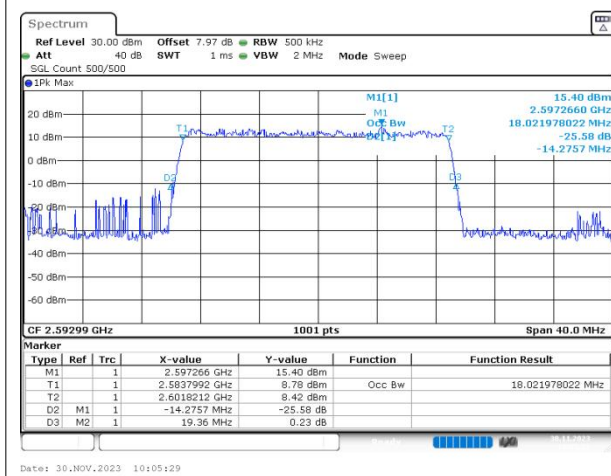
n41 SCS=30kHz CP_16QAM BW=15MHz Channel=518598
RB=38@0



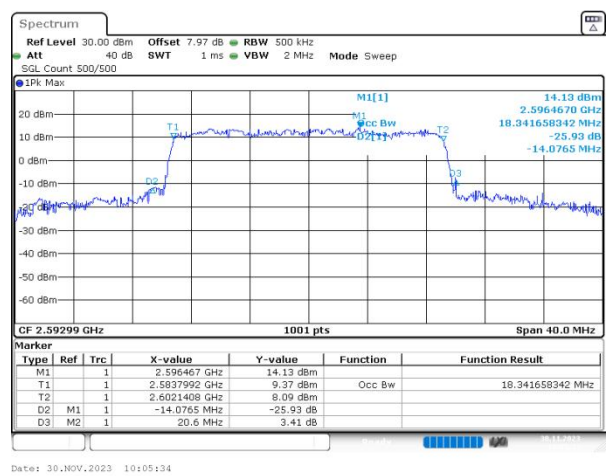
n41 SCS=30kHz CP_64QAM BW=15MHz Channel=518598
RB=38@0



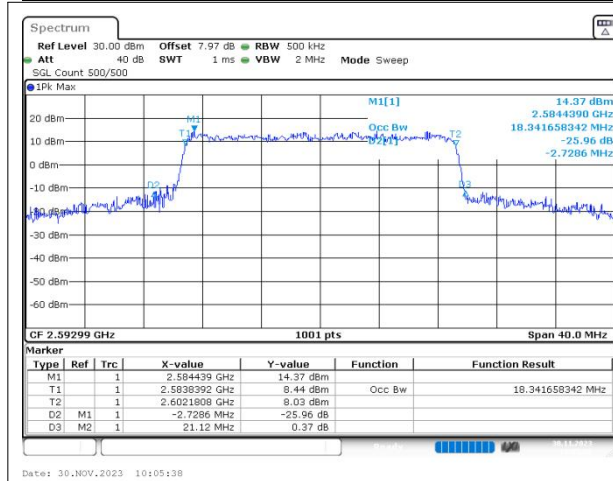
n41 SCS=30kHz CP_256QAM BW=15MHz Channel=518598
RB=38@0



n41 SCS=30kHz DFT_BPSK BW=20MHz Channel=518598
RB=50@0

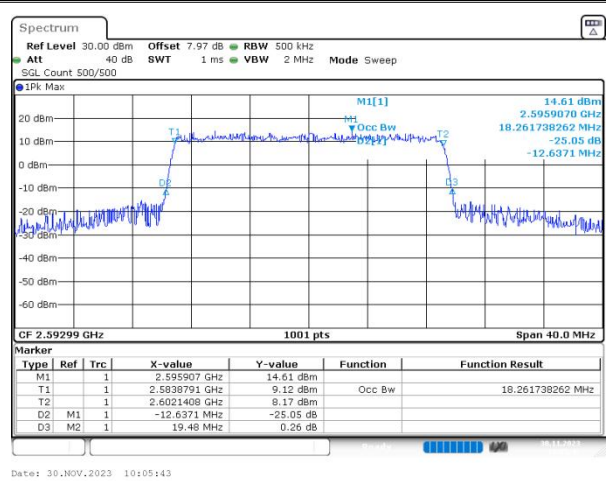


n41 SCS=30kHz CP_QPSK BW=20MHz Channel=518598
RB=51@0



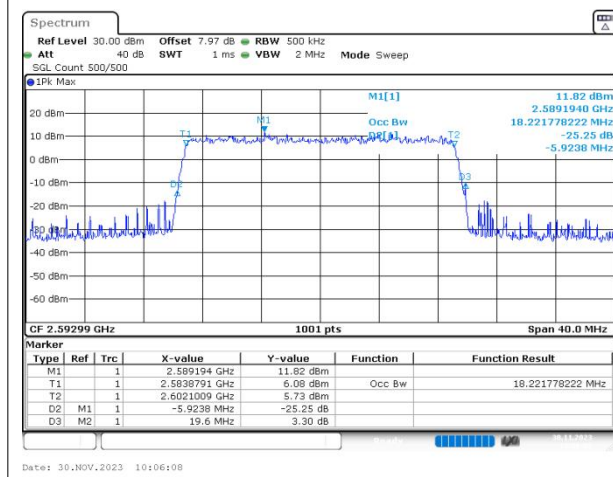
n41 SCS=30kHz CP_16QAM BW=20MHz Channel=518598

RB=51@0



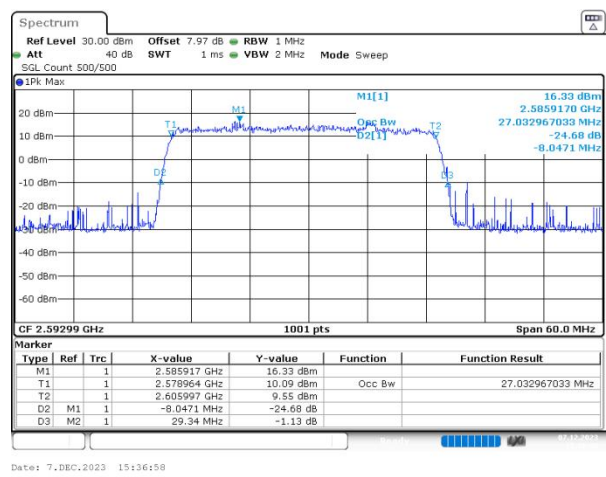
n41 SCS=30kHz CP_64QAM BW=20MHz Channel=518598

RB=51@0



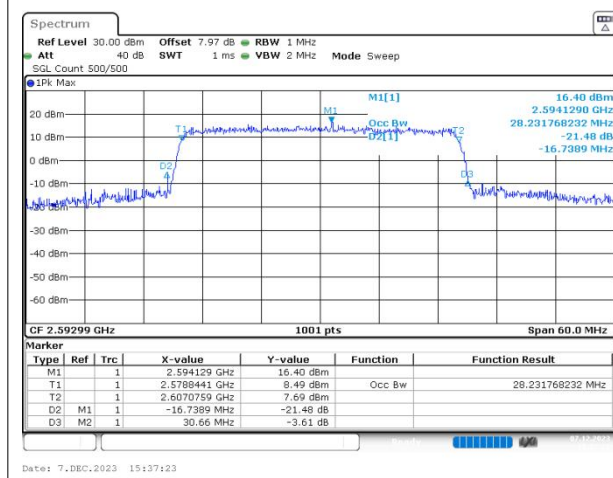
n41 SCS=30kHz CP_256QAM BW=20MHz Channel=518598

RB=51@0



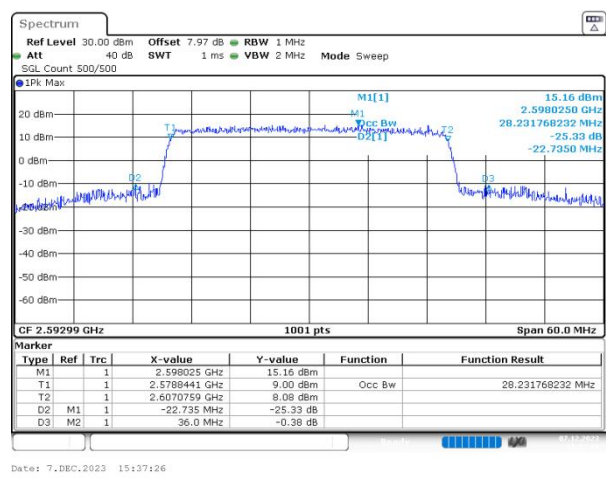
n41 SCS=30kHz DFT_BPSK BW=30MHz Channel=518598

RB=75@0



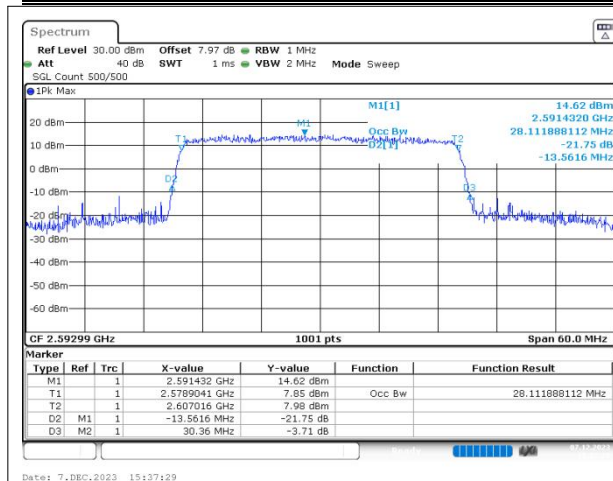
n41 SCS=30kHz CP_QPSK BW=30MHz Channel=518598

RB=78@0

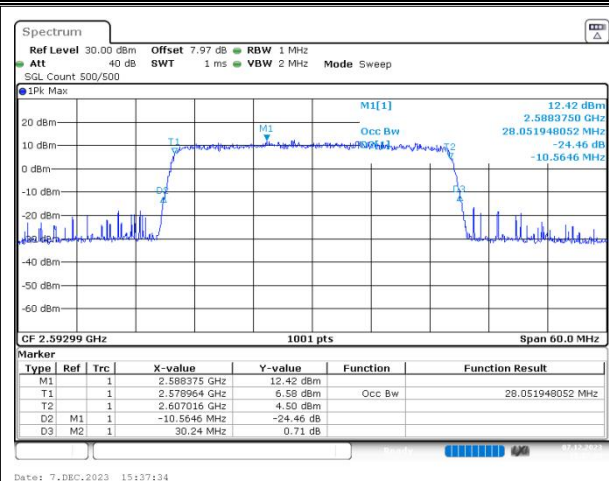


n41 SCS=30kHz CP_16QAM BW=30MHz Channel=518598

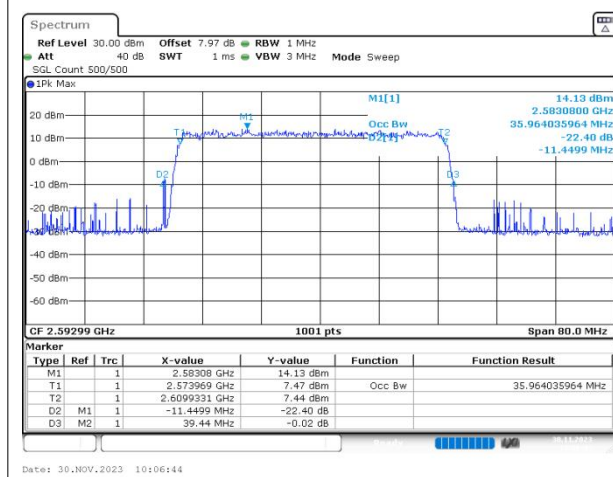
RB=78@0



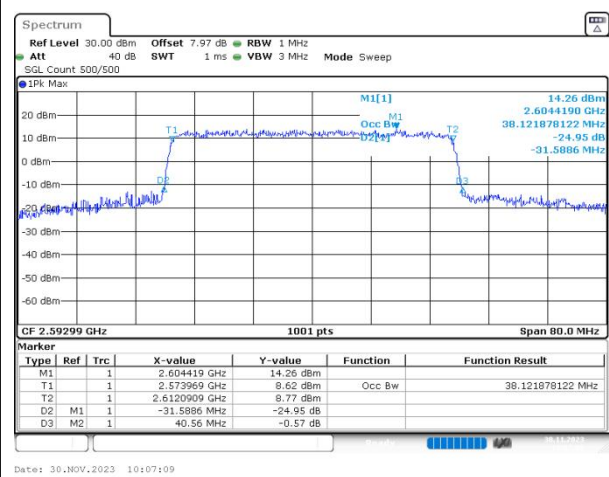
n41 SCS=30kHz CP_64QAM BW=30MHz Channel=518598
RB=78@0



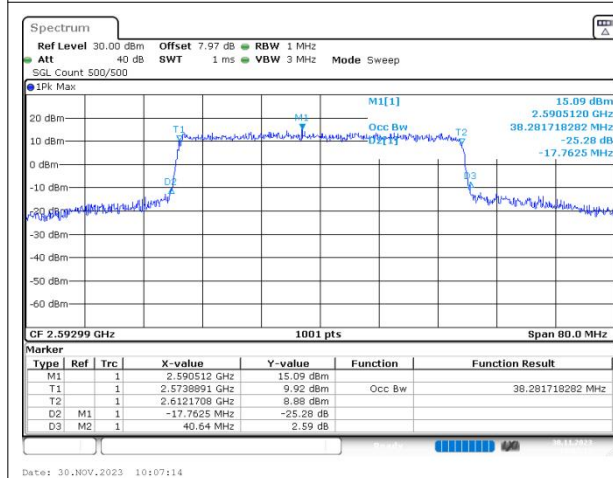
n41 SCS=30kHz CP_256QAM BW=30MHz Channel=518598
RB=78@0



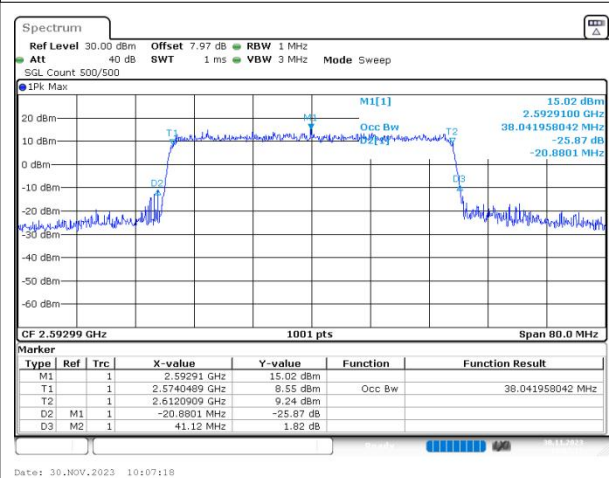
n41 SCS=30kHz DFT_BPSK BW=40MHz Channel=518598
RB=100@0



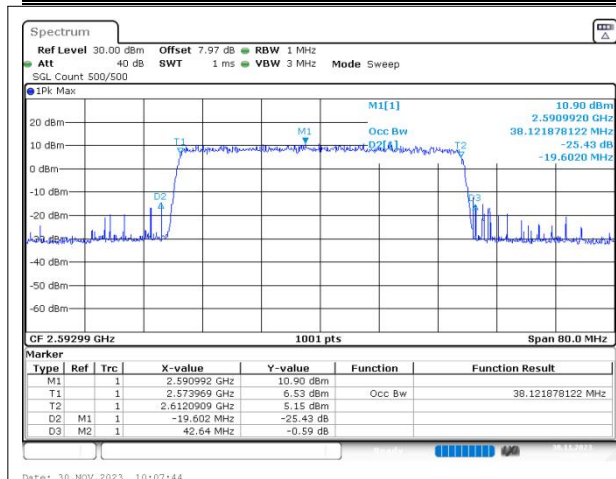
n41 SCS=30kHz CP_QPSK BW=40MHz Channel=518598
RB=106@0



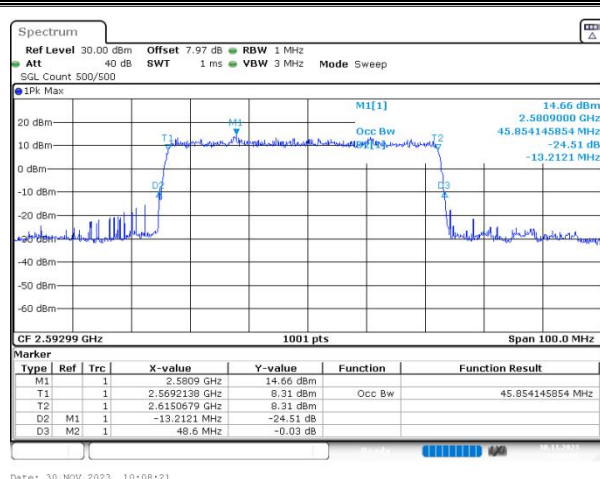
n41 SCS=30kHz CP_16QAM BW=40MHz Channel=518598
RB=106@0



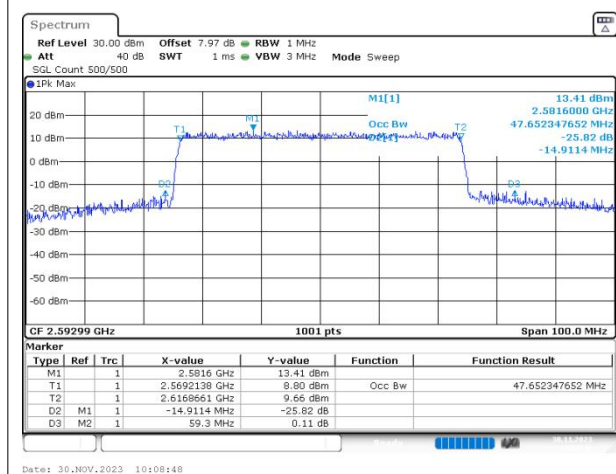
n41 SCS=30kHz CP_64QAM BW=40MHz Channel=518598
RB=106@0



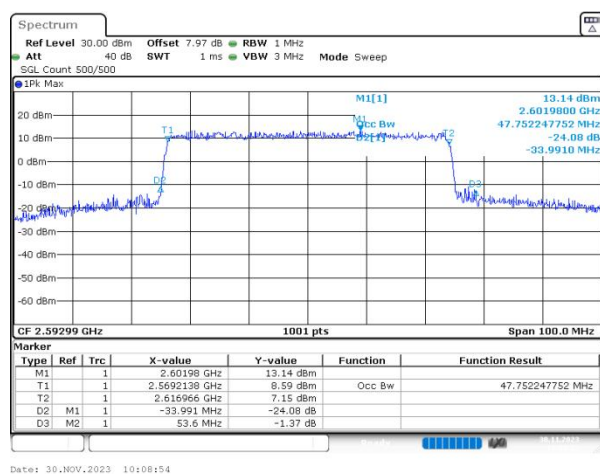
n41 SCS=30kHz CP_256QAM BW=40MHz Channel=518598
RB=106@0



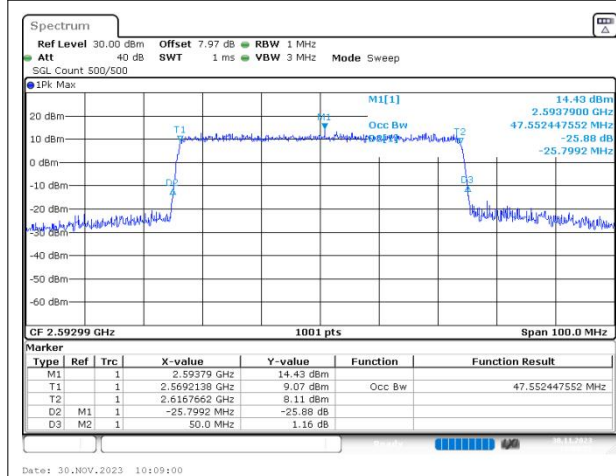
n41 SCS=30kHz DFT_BPSK BW=50MHz Channel=518598
RB=128@0



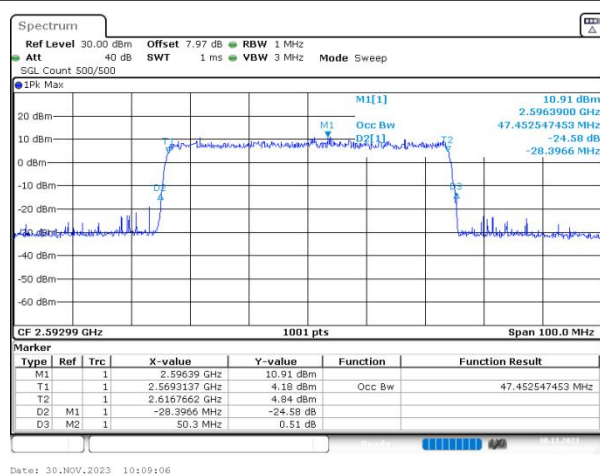
n41 SCS=30kHz CP_QPSK BW=50MHz Channel=518598
RB=133@0



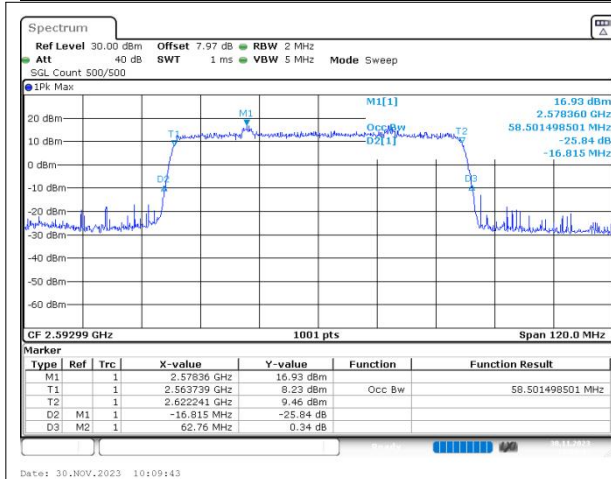
n41 SCS=30kHz CP_16QAM BW=50MHz Channel=518598
RB=133@0



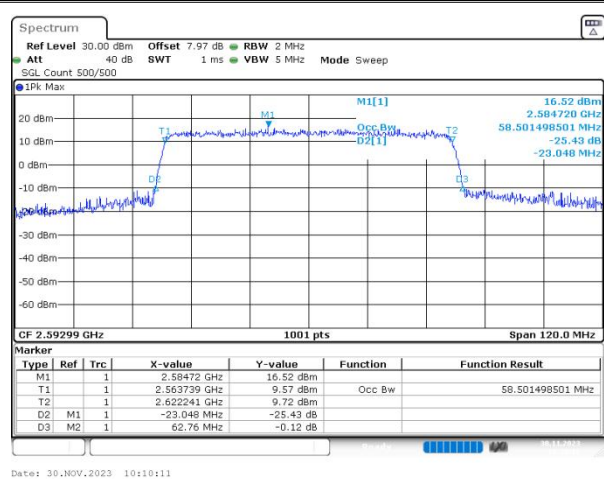
n41 SCS=30kHz CP_64QAM BW=50MHz Channel=518598
RB=133@0



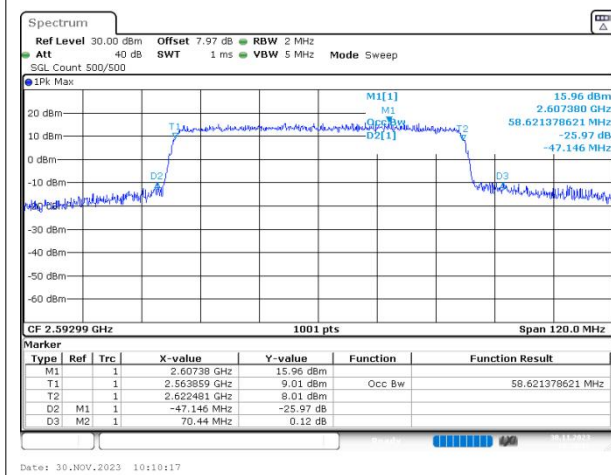
n41 SCS=30kHz CP_256QAM BW=50MHz Channel=518598
RB=133@0



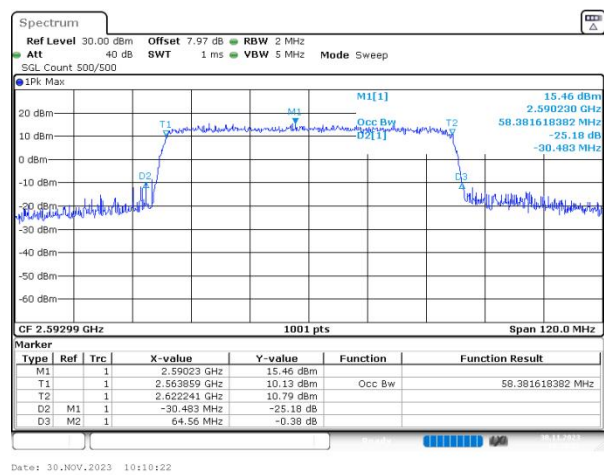
n41 SCS=30kHz DFT_BPSK BW=60MHz Channel=518598
RB=162@0



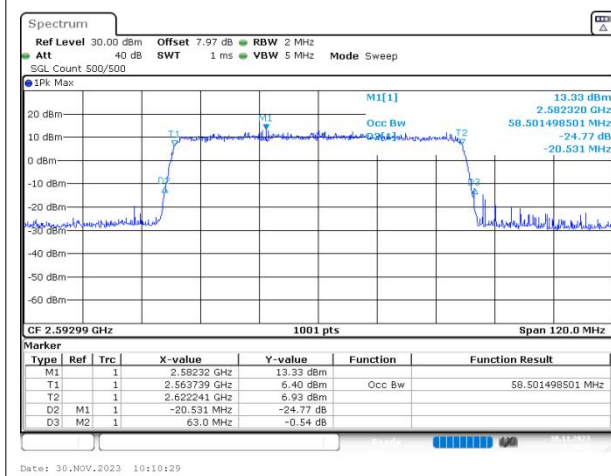
n41 SCS=30kHz CP_QPSK BW=60MHz Channel=518598
RB=162@0



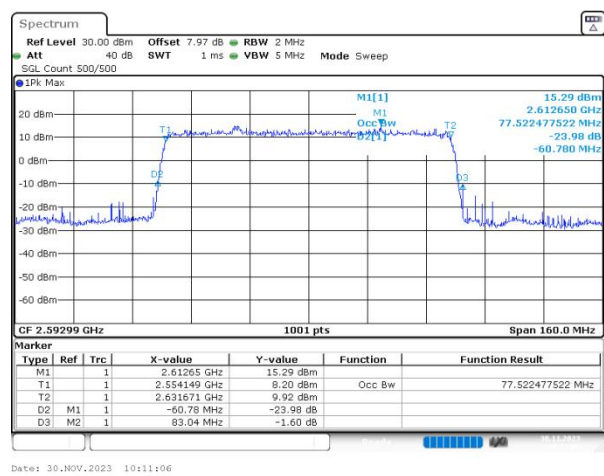
n41 SCS=30kHz CP_16QAM BW=60MHz Channel=518598
RB=162@0



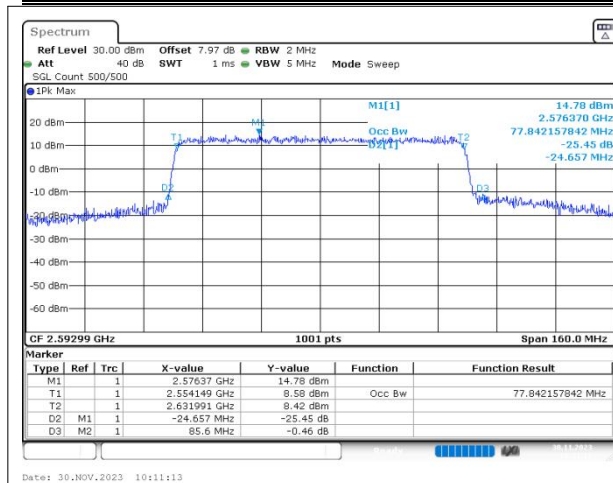
n41 SCS=30kHz CP_64QAM BW=60MHz Channel=518598
RB=162@0



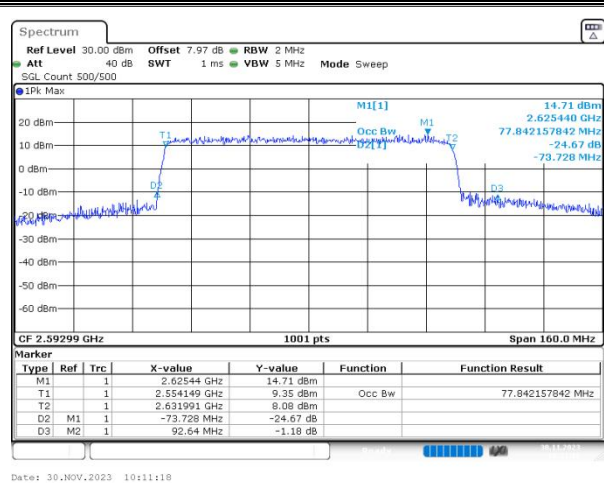
n41 SCS=30kHz CP_256QAM BW=60MHz Channel=518598
RB=162@0



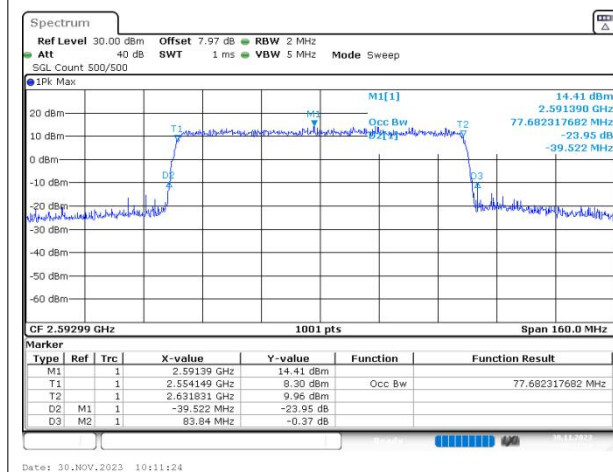
n41 SCS=30kHz DFT_BPSK BW=80MHz Channel=518598
RB=216@0



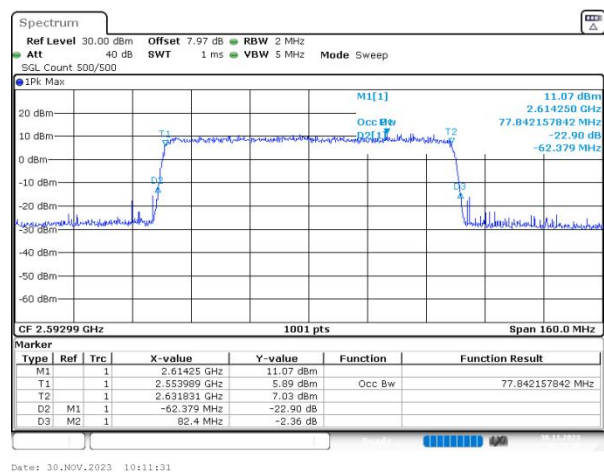
n41 SCS=30kHz CP_QPSK BW=80MHz Channel=518598
RB=217@0



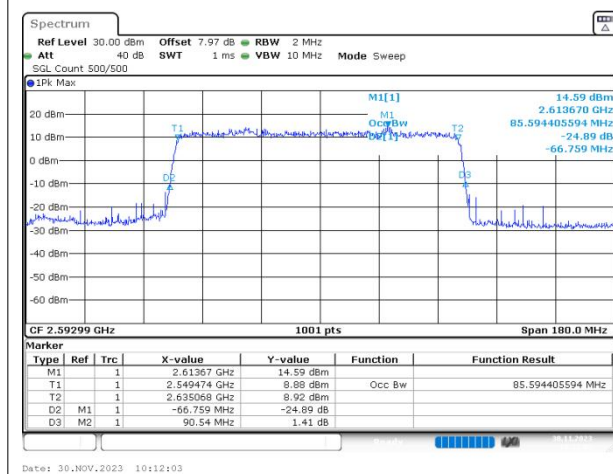
n41 SCS=30kHz CP_16QAM BW=80MHz Channel=518598
RB=217@0



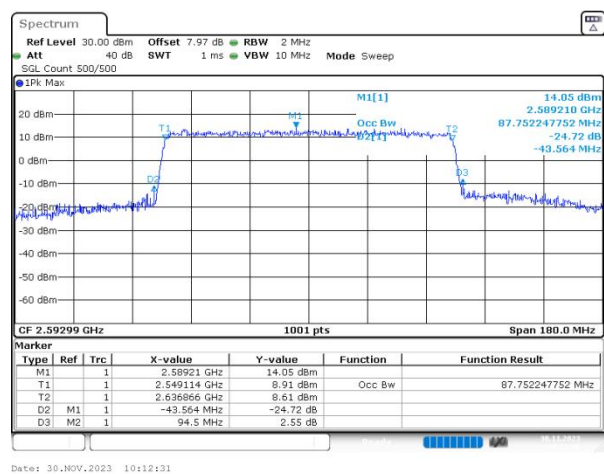
n41 SCS=30kHz CP_64QAM BW=80MHz Channel=518598
RB=217@0



n41 SCS=30kHz CP_256QAM BW=80MHz Channel=518598
RB=217@0



n41 SCS=30kHz DFT_BPSK BW=90MHz Channel=518598
RB=240@0



n41 SCS=30kHz CP_QPSK BW=90MHz Channel=518598
RB=245@0