

n41	30	100	528000	135@67	DFT_QAM64	20.42	-3.6	16.82	48.08	2000	PASS
n41	30	100	528000	1@1	DFT_QAM64	19.09	-3.6	15.49	35.4	2000	PASS
n41	30	100	528000	1@271	DFT_QAM64	19.53	-3.6	15.93	39.17	2000	PASS
n41	30	100	528000	270@0	DFT_QAM256	18.17	-3.6	14.57	28.64	2000	PASS
n41	30	100	528000	135@67	DFT_QAM256	18.4	-3.6	14.8	30.2	2000	PASS
n41	30	100	528000	1@1	DFT_QAM256	17.19	-3.6	13.59	22.86	2000	PASS
n41	30	100	528000	1@271	DFT_QAM256	17.07	-3.6	13.47	22.23	2000	PASS
n41	30	100	528000	273@0	CP_QPSK	19.68	-3.6	16.08	40.55	2000	PASS
n41	30	100	528000	137@68	CP_QPSK	21.4	-3.6	17.8	60.26	2000	PASS
n41	30	100	528000	1@1	CP_QPSK	20.54	-3.6	16.94	49.43	2000	PASS
n41	30	100	528000	1@271	CP_QPSK	20.86	-3.6	17.26	53.21	2000	PASS
n41	30	100	528000	273@0	CP_QAM16	19.64	-3.6	16.04	40.18	2000	PASS
n41	30	100	528000	137@68	CP_QAM16	20.89	-3.6	17.29	53.58	2000	PASS
n41	30	100	528000	1@1	CP_QAM16	19.87	-3.6	16.27	42.36	2000	PASS
n41	30	100	528000	1@271	CP_QAM16	20.28	-3.6	16.68	46.56	2000	PASS
n41	30	100	528000	273@0	CP_QAM64	19.15	-3.6	15.55	35.89	2000	PASS
n41	30	100	528000	137@68	CP_QAM64	19.37	-3.6	15.77	37.76	2000	PASS
n41	30	100	528000	1@1	CP_QAM64	18.19	-3.6	14.59	28.77	2000	PASS
n41	30	100	528000	1@271	CP_QAM64	18.68	-3.6	15.08	32.21	2000	PASS
n41	30	100	528000	273@0	CP_QAM256	16.1	-3.6	12.5	17.78	2000	PASS
n41	30	100	528000	137@68	CP_QAM256	16.35	-3.6	12.75	18.84	2000	PASS
n41	30	100	528000	1@1	CP_QAM256	15.25	-3.6	11.65	14.62	2000	PASS
n41	30	100	528000	1@271	CP_QAM256	15.77	-3.6	12.17	16.48	2000	PASS

2 Frequency stability

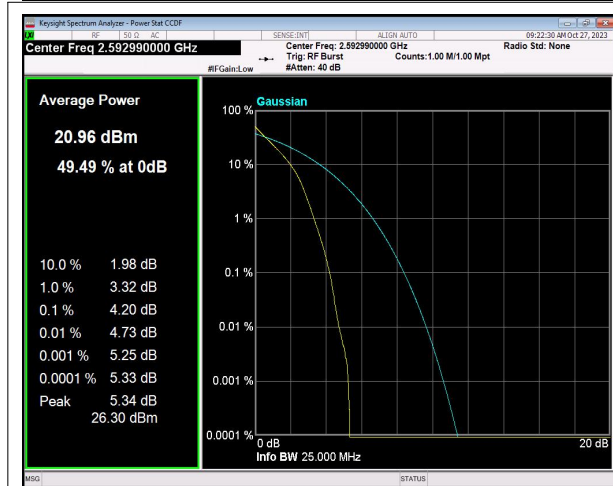
Condition		Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (Hz)	Result (ppm)	Verdict
Temperature (°C)	Voltage (V)									
20(Ref.)	3.0	n41	30	100	518598	270@0	DFT_BPSK	-6.2	-0.00239	PASS
20(Ref.)	3.87	n41	30	100	518598	270@0	DFT_BPSK	-2.7	-0.00104	PASS
20(Ref.)	4.35	n41	30	100	518598	270@0	DFT_BPSK	-3.5	-0.00135	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	-2.3	-0.00089	PASS
-10	3.87	n41	30	100	518598	270@0	DFT_BPSK	-3.7	-0.00143	PASS
0	3.87	n41	30	100	518598	270@0	DFT_BPSK	-6.4	-0.00247	PASS
10	3.87	n41	30	100	518598	270@0	DFT_BPSK	-7.9	-0.00305	PASS
20(Ref.)	3.87	n41	30	100	518598	270@0	DFT_BPSK	-2.7	-0.00104	PASS
30	3.87	n41	30	100	518598	270@0	DFT_BPSK	-9.1	-0.00351	PASS
40	3.87	n41	30	100	518598	270@0	DFT_BPSK	-5.3	-0.00204	PASS
50	3.87	n41	30	100	518598	270@0	DFT_BPSK	-9.6	-0.0037	PASS

Note:

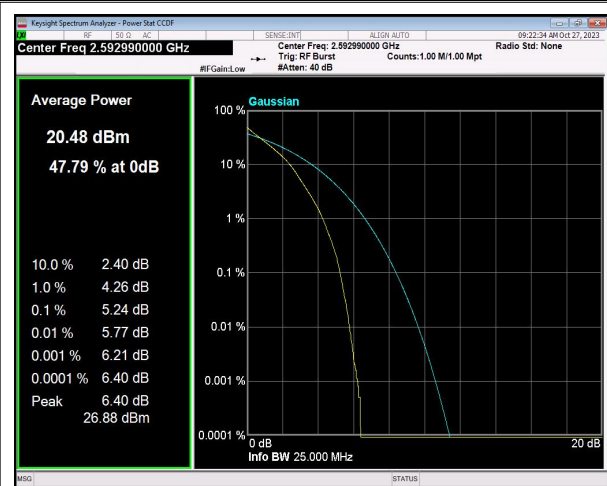
1. Normal Voltage = 3.87 V, Battery End Point (BEP) = 3.0 V, Maximum Voltage = 4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

3 Peak-to-Average Ratio

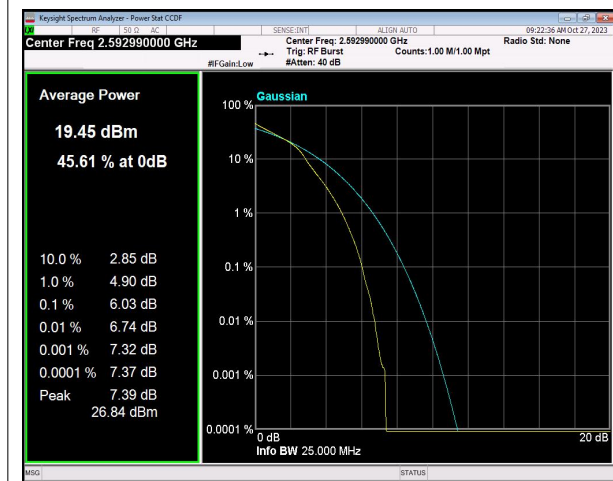
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	High Limit (dB)	Verdict
n41	30	20	518598	50@0	DFT_BPSK	4.20	13	PASS
n41	30	20	518598	50@0	DFT_QPSK	5.24	13	PASS
n41	30	20	518598	50@0	DFT_QAM16	6.03	13	PASS
n41	30	20	518598	50@0	DFT_QAM64	6.32	13	PASS
n41	30	20	518598	50@0	DFT_QAM256	6.64	13	PASS



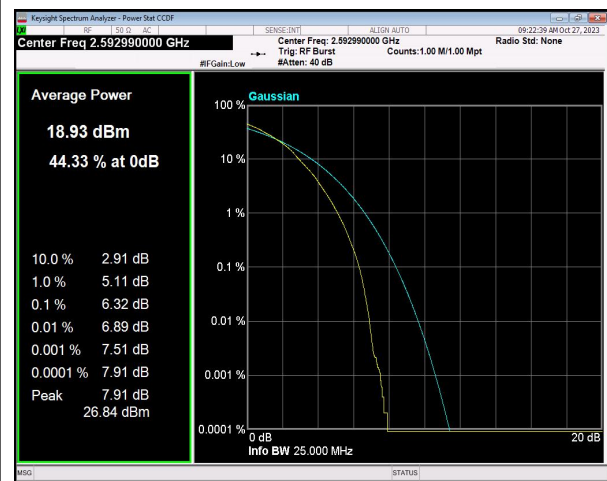
n41 SCS=30kHz DFT_BPSK BW=20MHz Channel=518598
RB=50@0



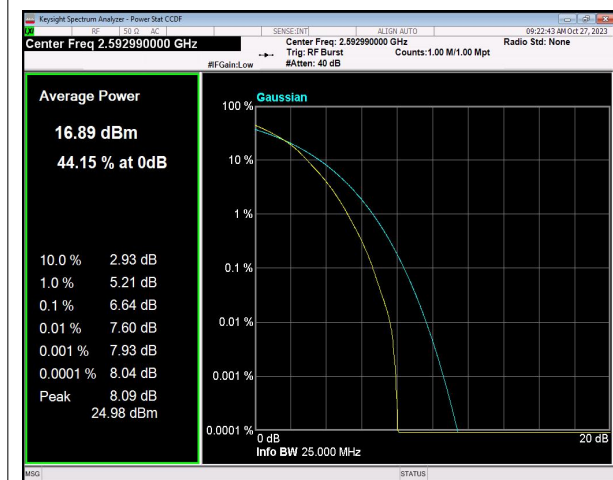
n41 SCS=30kHz DFT_QPSK BW=20MHz Channel=518598
RB=50@0



n41 SCS=30kHz DFT_QAM16 BW=20MHz Channel=518598
RB=50@0



n41 SCS=30kHz DFT_QAM64 BW=20MHz Channel=518598
RB=50@0

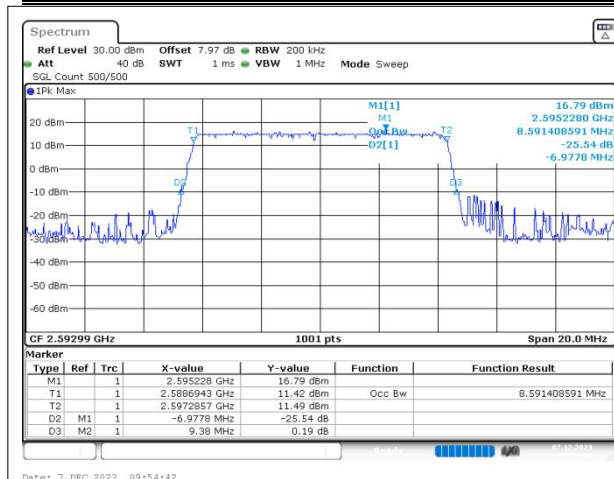


n41 SCS=30kHz DFT_QAM256 BW=20MHz Channel=518598
RB=50@0

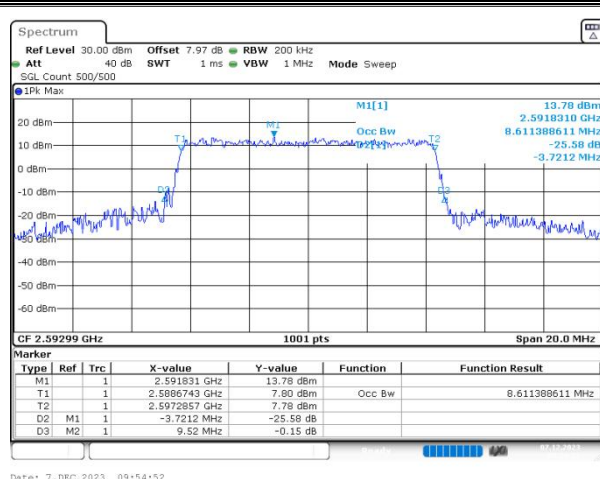
4 Occupied bandwidth

Ban d	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	9.380	PASS
n41	30	10	518598	2592.99	24@0	CP_QPSK	8.611	9.520	PASS
n41	30	10	518598	2592.99	24@0	CP_QAM16	8.631	9.880	PASS
n41	30	10	518598	2592.99	24@0	CP_QAM64	8.591	9.240	PASS
n41	30	10	518598	2592.99	24@0	CP_QAM256	8.591	9.220	PASS
n41	30	15	518598	2592.99	36@0	DFT_BPSK	12.887	13.830	PASS
n41	30	15	518598	2592.99	38@0	CP_QPSK	13.576	14.490	PASS
n41	30	15	518598	2592.99	38@0	CP_QAM16	13.606	15.030	PASS
n41	30	15	518598	2592.99	38@0	CP_QAM64	13.636	14.520	PASS
n41	30	15	518598	2592.99	38@0	CP_QAM256	13.606	14.520	PASS
n41	30	20	518598	2592.99	50@0	DFT_BPSK	17.982	19.080	PASS
n41	30	20	518598	2592.99	51@0	CP_QPSK	18.342	20.000	PASS
n41	30	20	518598	2592.99	51@0	CP_QAM16	18.342	21.280	PASS
n41	30	20	518598	2592.99	51@0	CP_QAM64	18.262	19.480	PASS
n41	30	20	518598	2592.99	51@0	CP_QAM256	18.302	19.520	PASS
n41	30	30	518598	2592.99	75@0	DFT_BPSK	27.033	29.220	PASS
n41	30	30	518598	2592.99	78@0	CP_QPSK	28.112	30.240	PASS
n41	30	30	518598	2592.99	78@0	CP_QAM16	28.112	30.360	PASS
n41	30	30	518598	2592.99	78@0	CP_QAM64	28.112	30.900	PASS
n41	30	30	518598	2592.99	78@0	CP_QAM256	28.112	30.240	PASS
n41	30	40	518598	2592.99	100@0	DFT_BPSK	35.964	38.240	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_QAM16	38.042	40.400	PASS
n41	30	40	518598	2592.99	106@0	CP_QAM64	38.042	40.480	PASS
n41	30	40	518598	2592.99	106@0	CP_QAM256	38.042	40.560	PASS
n41	30	50	518598	2592.99	128@0	DFT_BPSK	45.854	50.200	PASS
n41	30	50	518598	2592.99	133@0	CP_QPSK	47.652	51.000	PASS
n41	30	50	518598	2592.99	133@0	CP_QAM16	47.652	50.600	PASS
n41	30	50	518598	2592.99	133@0	CP_QAM64	47.652	50.400	PASS
n41	30	50	518598	2592.99	133@0	CP_QAM256	47.652	50.200	PASS
n41	30	60	518598	2592.99	162@0	DFT_BPSK	58.382	62.400	PASS
n41	30	60	518598	2592.99	162@0	CP_QPSK	58.382	63.720	PASS
n41	30	60	518598	2592.99	162@0	CP_QAM16	58.382	62.880	PASS
n41	30	60	518598	2592.99	162@0	CP_QAM64	58.621	62.880	PASS
n41	30	60	518598	2592.99	162@0	CP_QAM256	58.382	62.640	PASS
n41	30	80	518598	2592.99	216@0	DFT_BPSK	77.363	82.080	PASS
n41	30	80	518598	2592.99	217@0	CP_QPSK	77.842	88.160	PASS

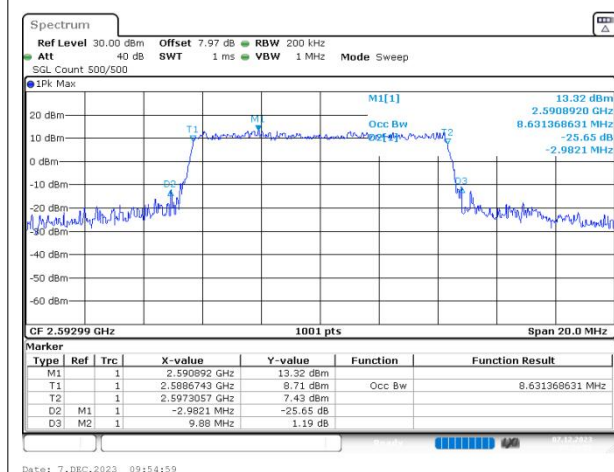
n41	30	80	518598	2592.99	217@0	CP_QAM16	77.842	91.040	PASS
n41	30	80	518598	2592.99	217@0	CP_QAM64	78.002	86.240	PASS
n41	30	80	518598	2592.99	217@0	CP_QAM256	77.842	82.400	PASS
n41	30	90	518598	2592.99	240@0	DFT_BPSK	85.954	91.080	PASS
n41	30	90	518598	2592.99	245@0	CP_QPSK	87.572	94.140	PASS
n41	30	90	518598	2592.99	245@0	CP_QAM16	87.572	92.880	PASS
n41	30	90	518598	2592.99	245@0	CP_QAM64	87.752	92.700	PASS
n41	30	90	518598	2592.99	245@0	CP_QAM256	87.393	93.780	PASS
n41	30	100	518598	2592.99	270@0	DFT_BPSK	96.104	102.000	PASS
n41	30	100	518598	2592.99	273@0	CP_QPSK	97.502	102.400	PASS
n41	30	100	518598	2592.99	273@0	CP_QAM16	97.303	102.800	PASS
n41	30	100	518598	2592.99	273@0	CP_QAM64	97.303	102.400	PASS
n41	30	100	518598	2592.99	273@0	CP_QAM256	97.303	102.400	PASS



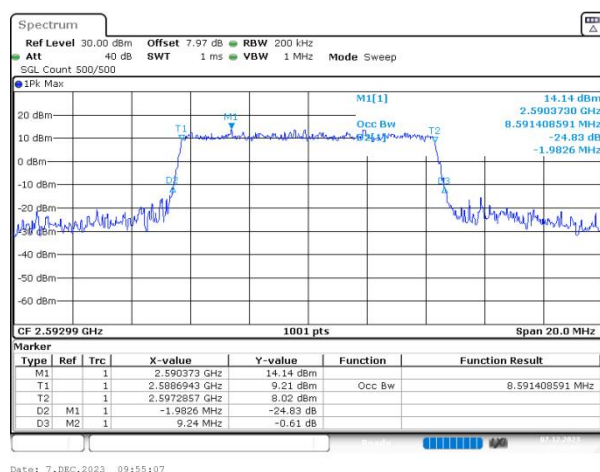
n41 SCS=30kHz DFT_BPSK BW=10MHz Channel=518598
RB=24@0



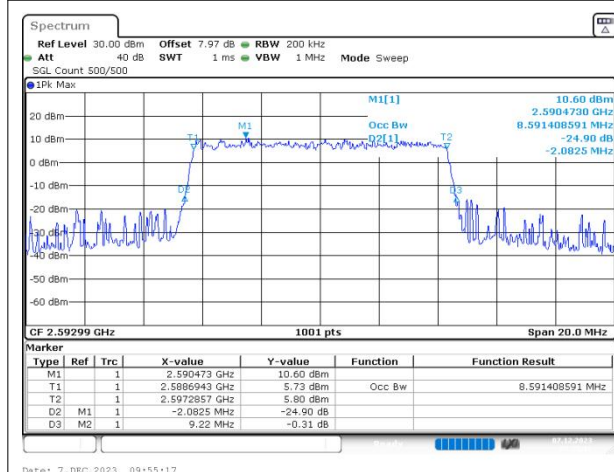
n41 SCS=30kHz CP_QPSK BW=10MHz Channel=518598
RB=24@0



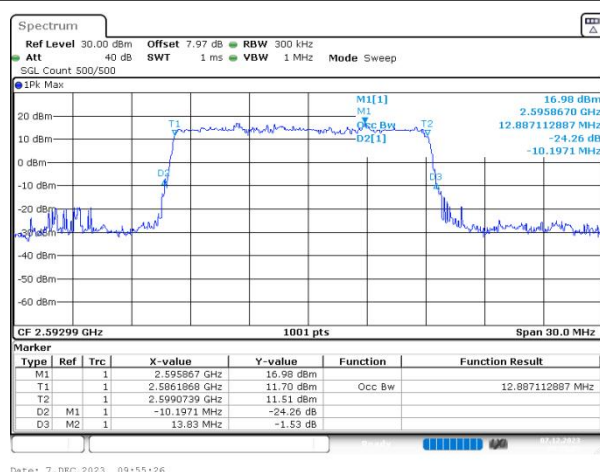
n41 SCS=30kHz CP_16QAM BW=10MHz Channel=518598
RB=24@0



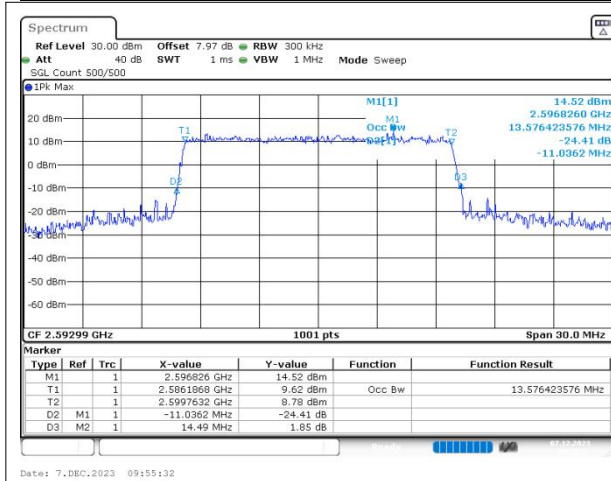
n41 SCS=30kHz CP_64QAM BW=10MHz Channel=518598
RB=24@0



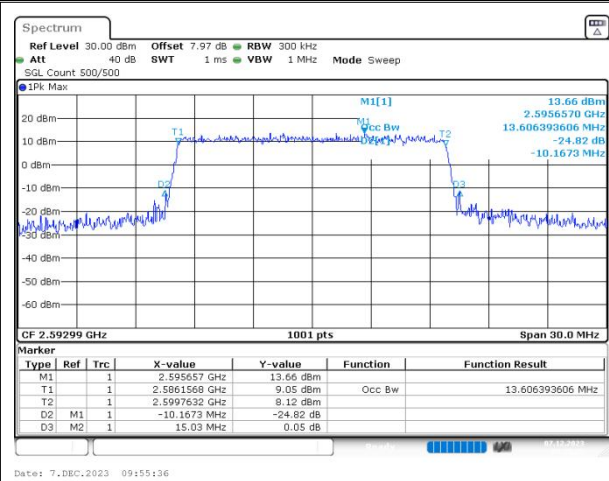
n41 SCS=30kHz CP_256QAM BW=10MHz Channel=518598
RB=24@0



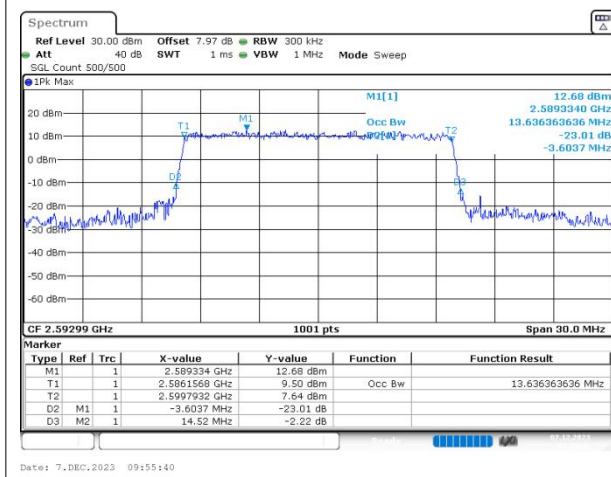
n41 SCS=30kHz DFT_BPSK BW=15MHz Channel=518598
RB=36@0



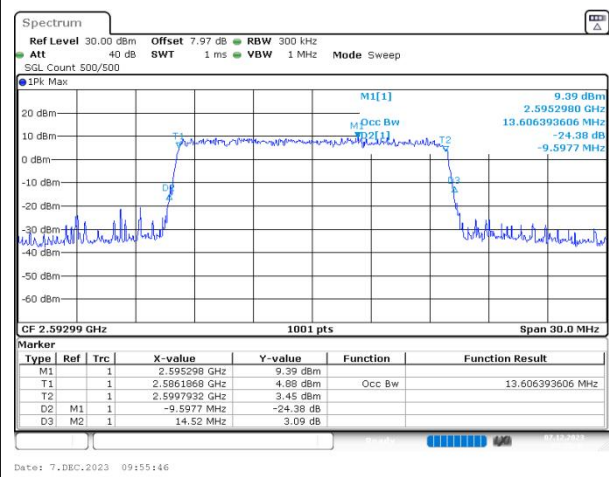
n41 SCS=30kHz CP_QPSK BW=15MHz Channel=518598
RB=38@0



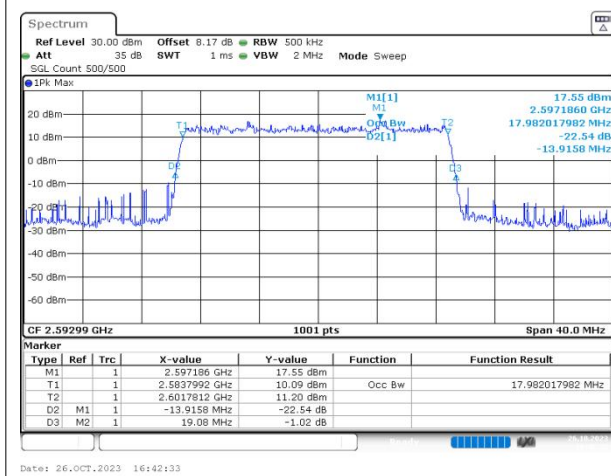
n41 SCS=30kHz CP_16QAM BW=15MHz Channel=518598
RB=38@0



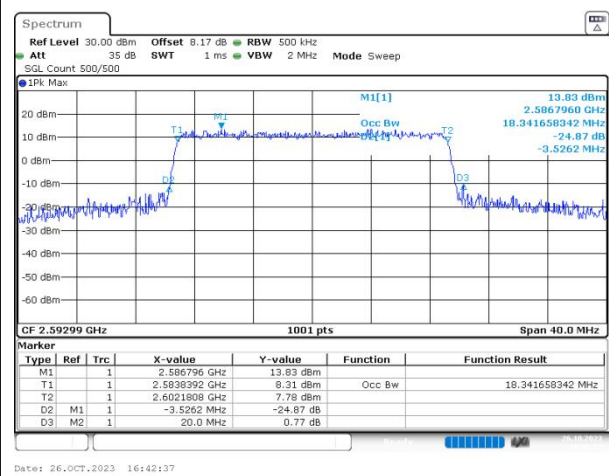
n41 SCS=30kHz CP_64QAM BW=15MHz Channel=518598
RB=38@0



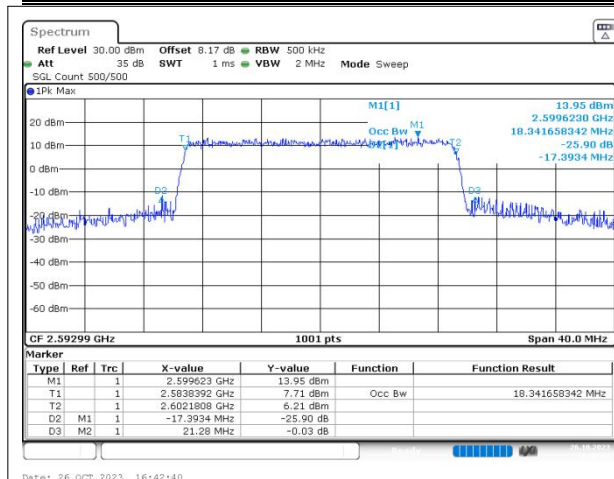
n41 SCS=30kHz CP_256QAM BW=15MHz Channel=518598
RB=38@0



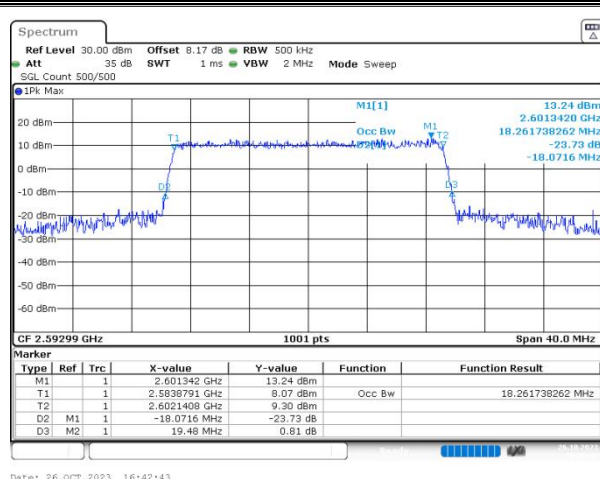
n41 SCS=30kHz DFT_BPSK BW=20MHz Channel=518598
RB=50@0



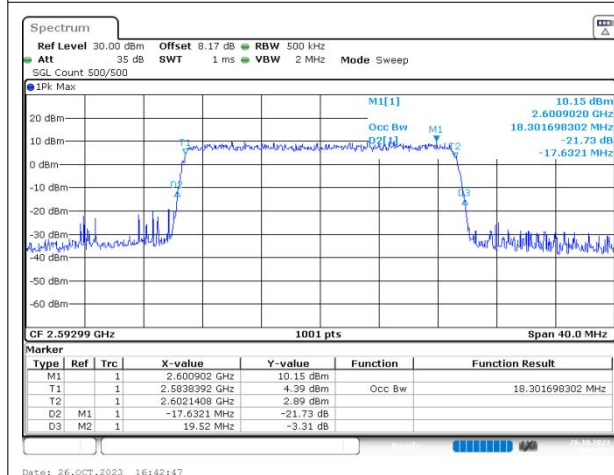
n41 SCS=30kHz CP_QPSK BW=20MHz Channel=518598
RB=51@0



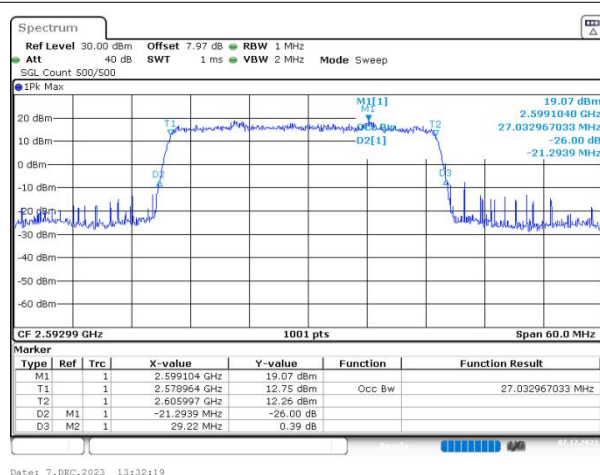
n41 SCS=30kHz CP_QAM16 BW=20MHz Channel=518598
RB=51@0



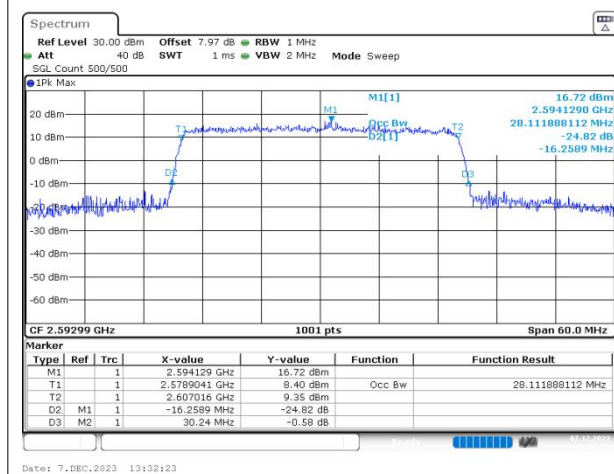
n41 SCS=30kHz CP_QAM64 BW=20MHz Channel=518598
RB=51@0



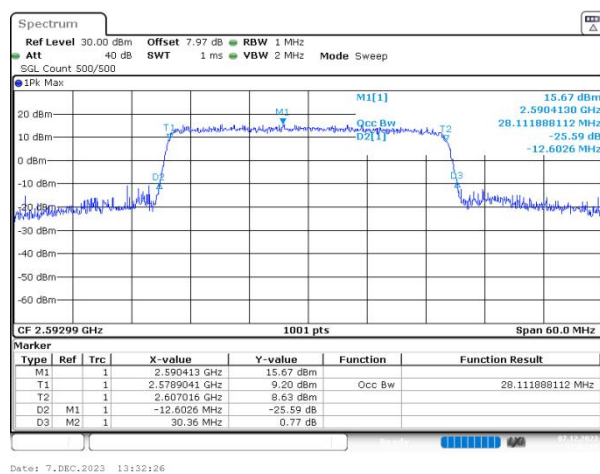
n41 SCS=30kHz CP_QAM256 BW=20MHz Channel=518598
RB=51@0



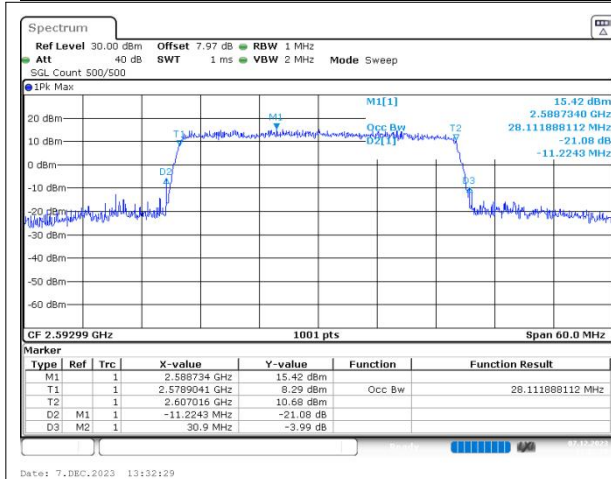
n41 SCS=30kHz DFT_BPSK BW=30MHz Channel=518598
RB=75@0



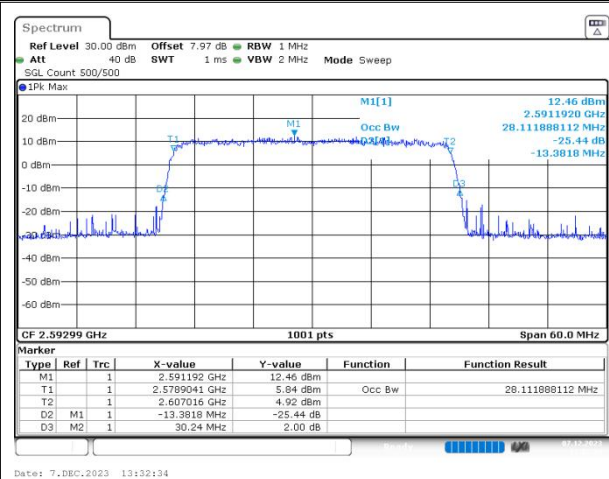
n41 SCS=30kHz CP_QPSK BW=30MHz Channel=518598
RB=78@0



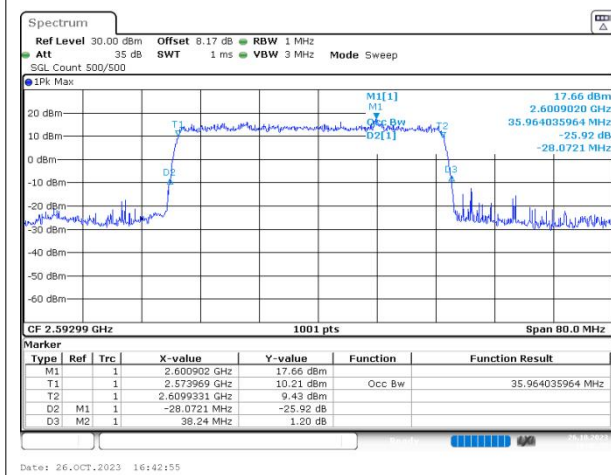
n41 SCS=30kHz CP_16QAM BW=30MHz Channel=518598
RB=78@0



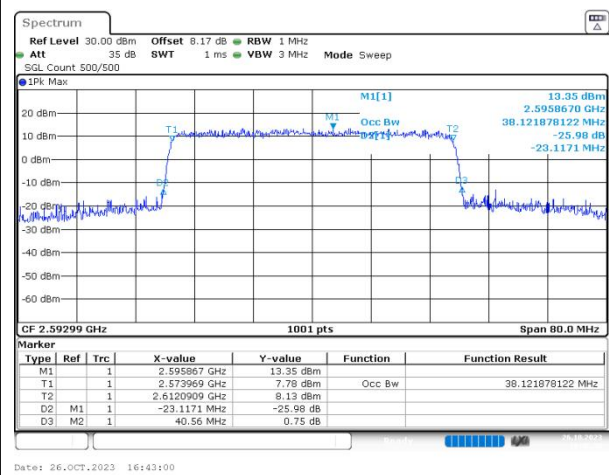
n41 SCS=30kHz CP_64QAM BW=30MHz Channel=518598
RB=78@0



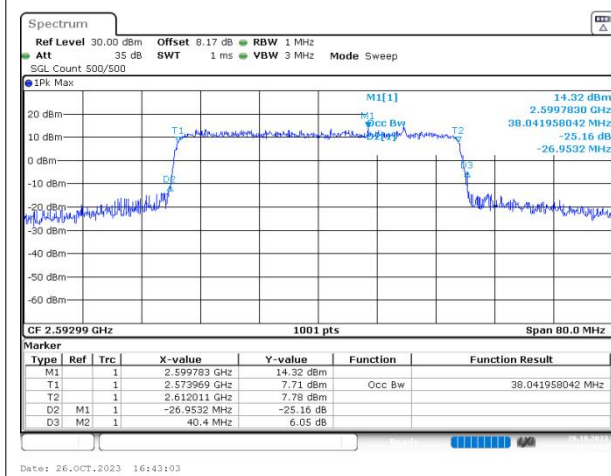
n41 SCS=30kHz CP_256QAM BW=30MHz Channel=518598
RB=78@0



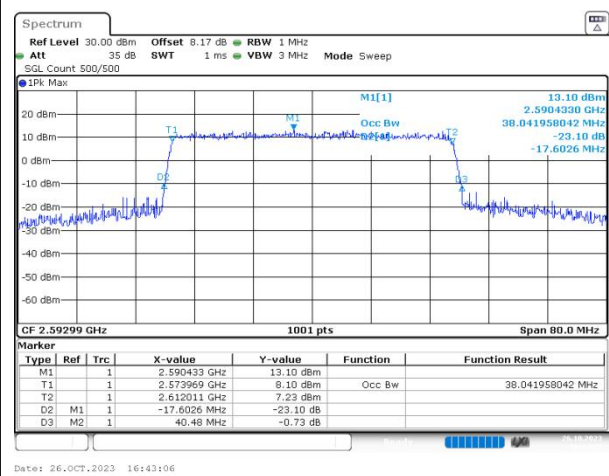
n41 SCS=30kHz DFT_BPSK BW=40MHz Channel=518598
RB=100@0



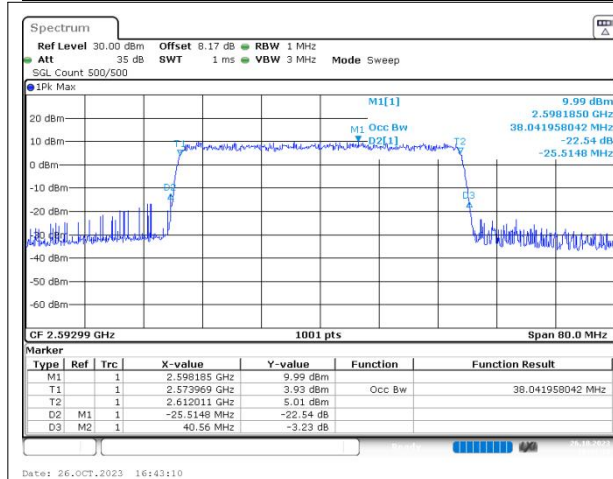
n41 SCS=30kHz CP_QPSK BW=40MHz Channel=518598
RB=106@0



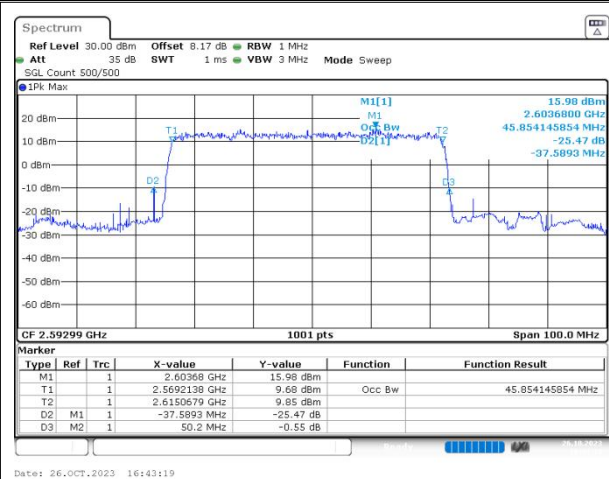
n41 SCS=30kHz CP_QAM16 BW=40MHz Channel=518598
RB=106@0



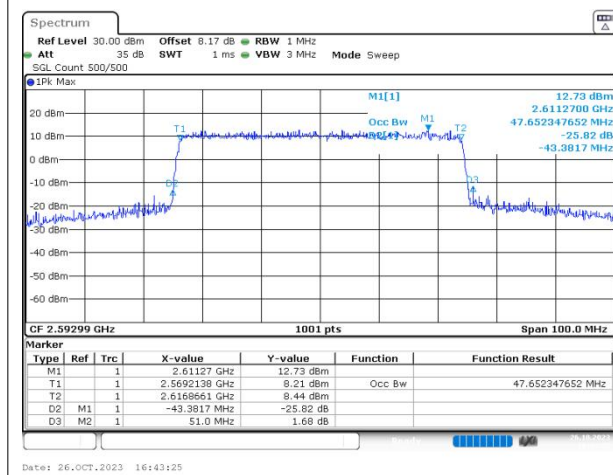
n41 SCS=30kHz CP_QAM64 BW=40MHz Channel=518598
RB=106@0



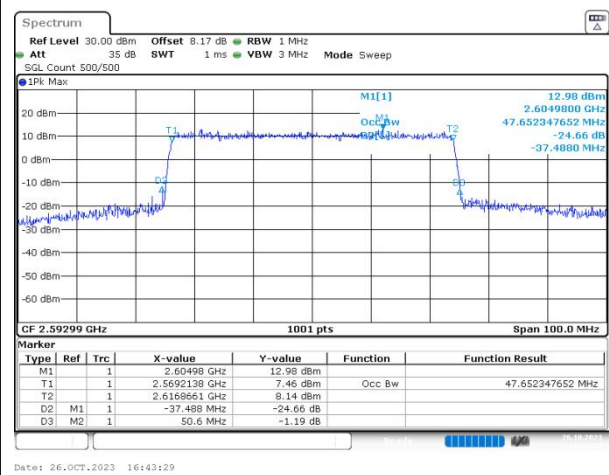
n41 SCS=30kHz CP_QAM256 BW=40MHz Channel=518598
RB=106@0



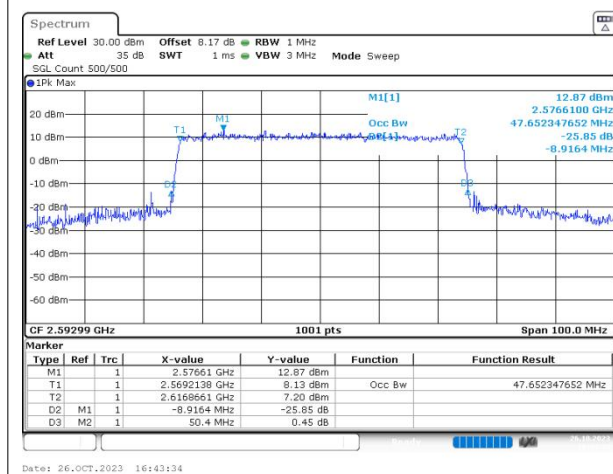
n41 SCS=30kHz DFT_BPSK BW=50MHz Channel=518598
RB=128@0



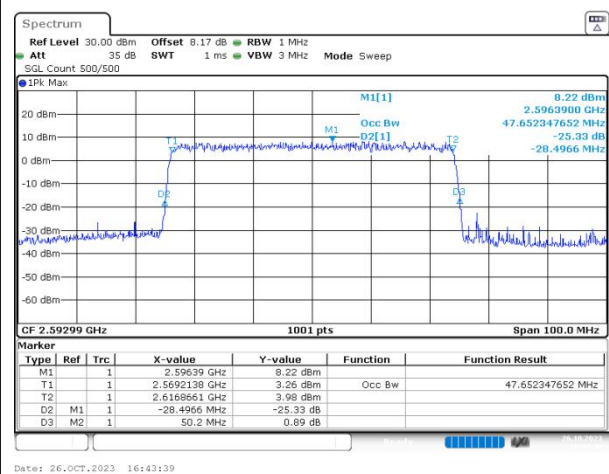
n41 SCS=30kHz CP_QPSK BW=50MHz Channel=518598
RB=133@0



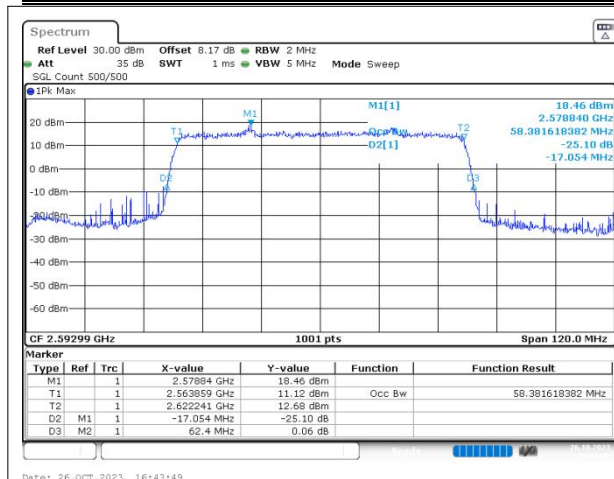
n41 SCS=30kHz CP_QAM16 BW=50MHz Channel=518598
RB=133@0



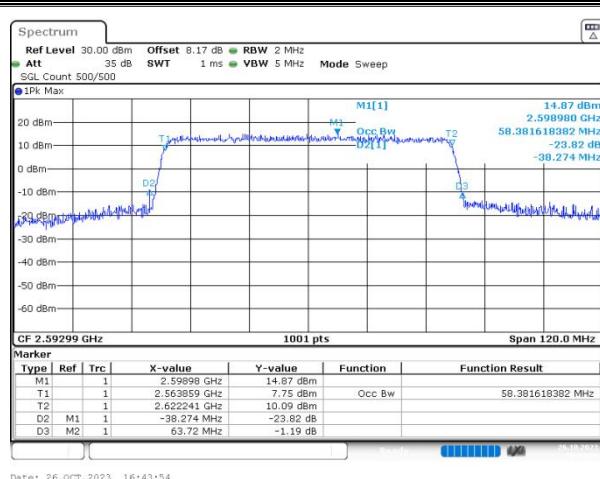
n41 SCS=30kHz CP_QAM64 BW=50MHz Channel=518598
RB=133@0



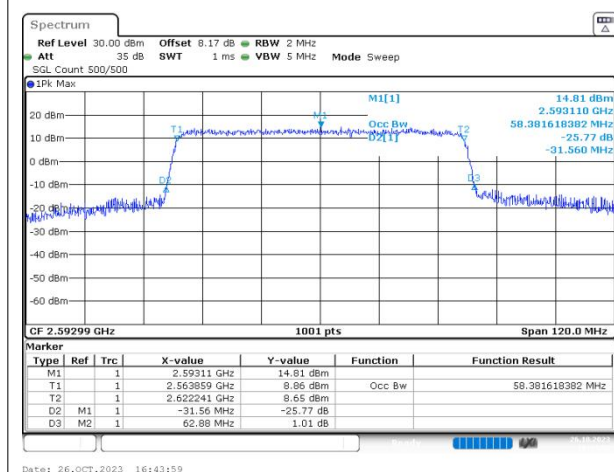
n41 SCS=30kHz CP_QAM256 BW=50MHz Channel=518598
RB=133@0



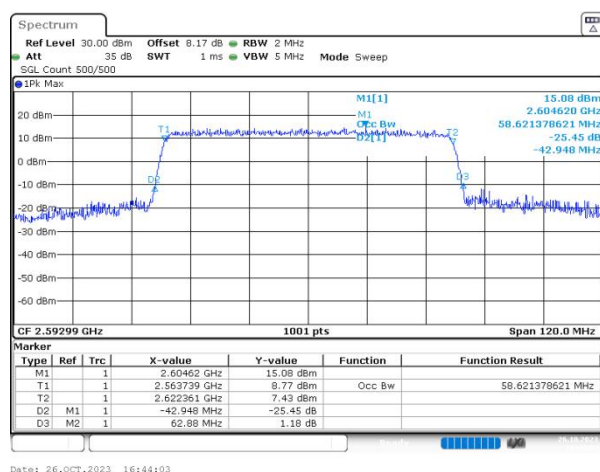
n41 SCS=30kHz DFT_BPSK BW=60MHz Channel=518598
RB=162@0



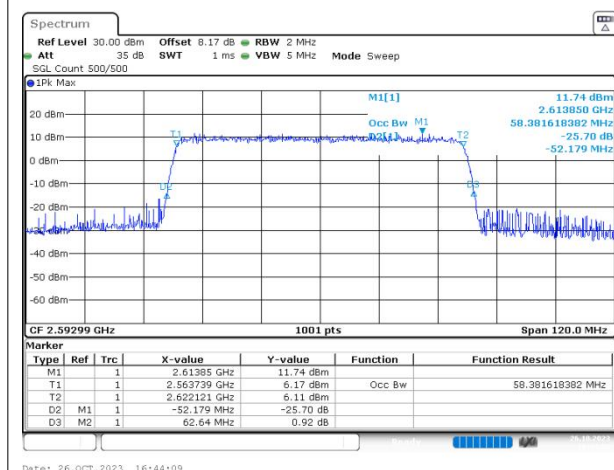
n41 SCS=30kHz CP_QPSK BW=60MHz Channel=518598
RB=162@0



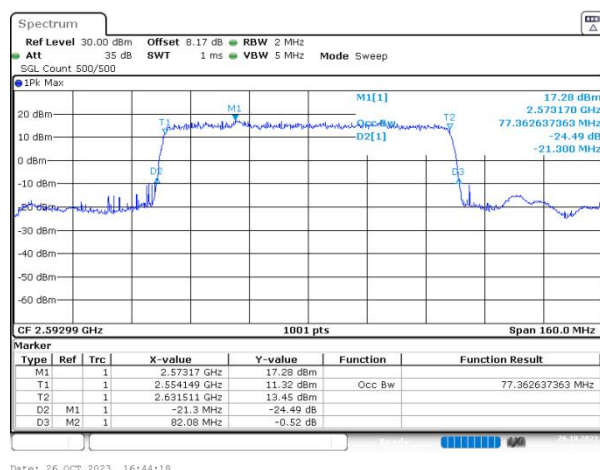
n41 SCS=30kHz CP_QAM16 BW=60MHz Channel=518598
RB=162@0



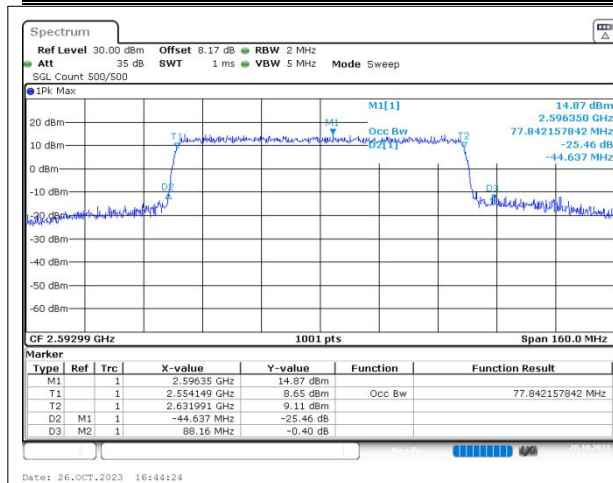
n41 SCS=30kHz CP_QAM64 BW=60MHz Channel=518598
RB=162@0



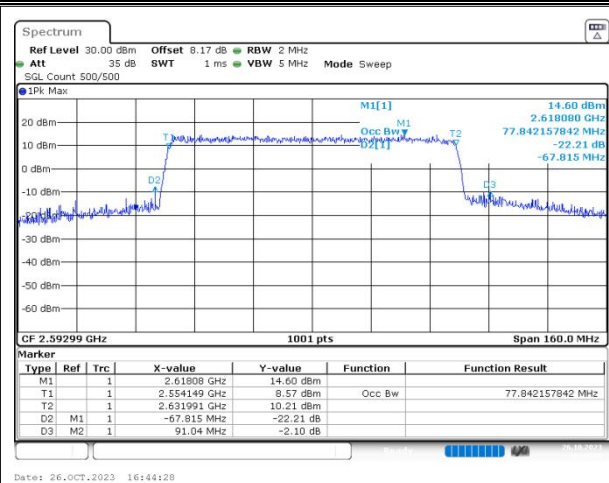
n41 SCS=30kHz CP_QAM256 BW=60MHz Channel=518598
RB=162@0



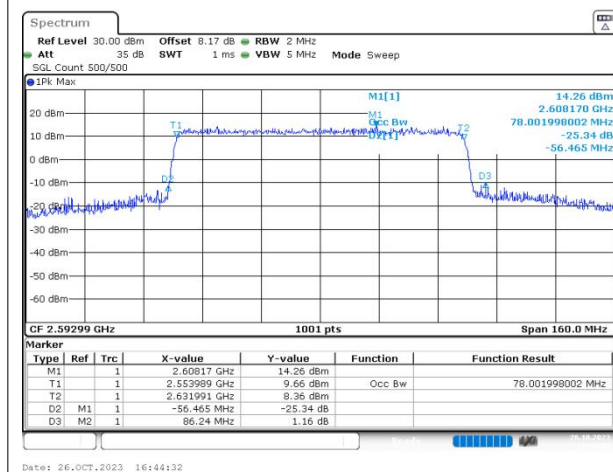
n41 SCS=30kHz DFT_BPSK BW=80MHz Channel=518598
RB=216@0



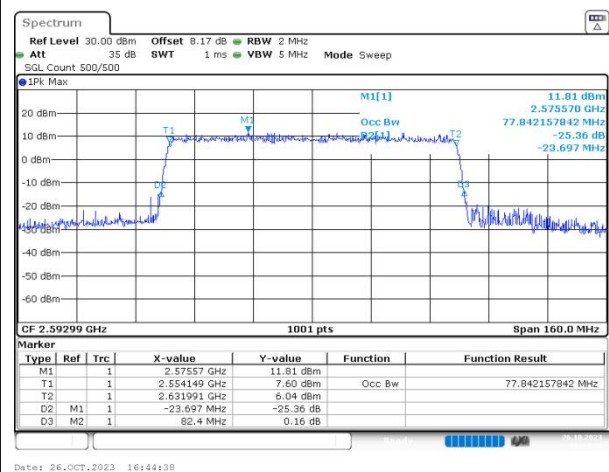
n41 SCS=30kHz CP_QPSK BW=80MHz Channel=518598
RB=217@0



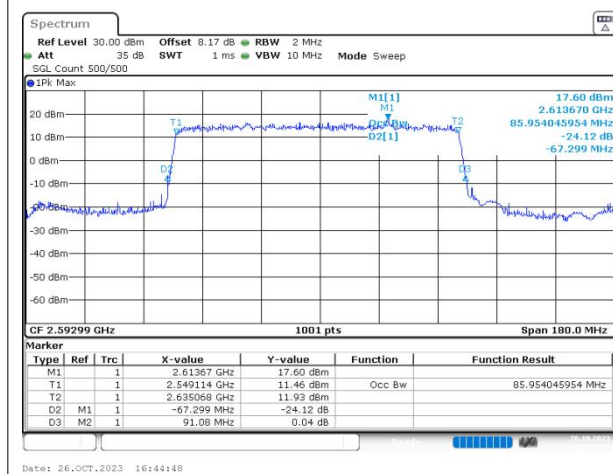
n41 SCS=30kHz CP_QAM16 BW=80MHz Channel=518598
RB=217@0



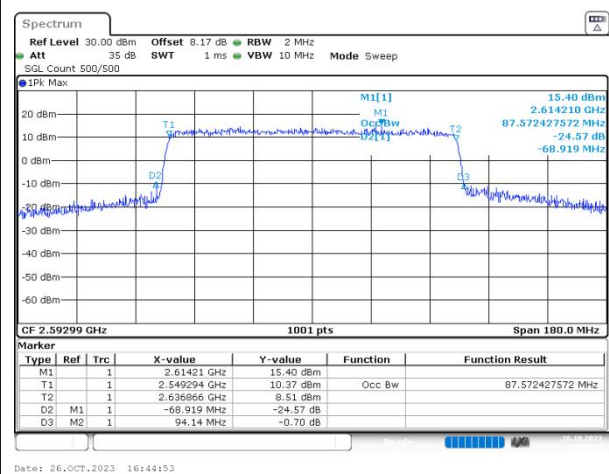
n41 SCS=30kHz CP_QAM64 BW=80MHz Channel=518598
RB=217@0



n41 SCS=30kHz CP_QAM256 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