

64QAM	10MHz	2685.00	-25.60	3.73	44.98	6.43	22.08	33.00	10.92	H
	15MHz	2682.48	-25.39	3.73	44.98	6.43	22.29	33.00	10.71	H
	20MHz	2679.99	-25.21	3.73	44.97	6.42	22.45	33.00	10.55	H
	40MHz	2670.00	-25.33	3.78	44.97	6.41	22.27	33.00	10.73	H
	50MHz	2664.99	-25.89	3.72	44.96	6.40	21.75	33.00	11.25	H
	60MHz	2659.98	-25.96	3.70	44.96	6.39	21.69	33.00	11.31	H
	80MHz	2649.99	-26.28	3.69	44.96	6.37	21.36	33.00	11.64	V
	90MHz	2541.00	-26.11	3.63	45.10	6.17	21.53	33.00	11.47	H
	100MHz	2546.01	-26.52	3.62	45.33	6.18	21.37	33.00	11.63	H
256QAM	10MHz	2685.00	-27.64	3.73	44.98	6.43	20.04	33.00	12.96	H
	15MHz	2682.48	-27.39	3.73	44.98	6.43	20.29	33.00	12.71	H
	20MHz	2679.99	-27.23	3.73	44.97	6.42	20.43	33.00	12.57	H
	40MHz	2670.00	-27.35	3.78	44.97	6.41	20.25	33.00	12.75	H
	50MHz	2664.99	-27.89	3.72	44.96	6.40	19.75	33.00	13.25	H
	60MHz	2659.98	-27.97	3.70	44.96	6.39	19.68	33.00	13.32	H
	80MHz	2536.02	-27.99	3.63	44.87	6.16	19.41	33.00	13.59	H
	90MHz	2541.00	-28.15	3.63	45.10	6.17	19.49	33.00	13.51	H
	100MHz	2546.01	-28.56	3.62	45.33	6.18	19.33	33.00	13.67	H

NR n77L(3450MHz~3550MHz)- EIRP
Limits: ≤30dBm (1W)

Mod.	Bandwidth	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	P _{Ag} (dB)	G _a (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Ant.Pol
pi/2 BPSK	10MHz	3455.01	-26.58	4.24	43.27	8.09	20.54	30.00	9.46	H
	10MHz	3500.01	-26.75	4.29	44.92	8.20	22.08	30.00	7.92	H
	10MHz	3544.98	-24.79	4.30	43.70	8.22	22.83	30.00	7.17	V
	15MHz	3457.50	-27.08	4.24	43.94	8.10	20.72	30.00	9.28	H
	15MHz	3500.01	-26.62	4.29	44.92	8.20	22.21	30.00	7.79	H
	15MHz	3542.49	-24.59	4.31	43.44	8.22	22.77	30.00	7.23	V
	20MHz	3460.02	-26.72	4.23	43.80	8.10	20.95	30.00	9.05	H
	20MHz	3500.01	-26.58	4.29	44.92	8.20	22.25	30.00	7.75	H
	20MHz	3540.00	-25.12	4.31	43.85	8.22	22.64	30.00	7.36	H
	40MHz	3470.01	-26.66	4.23	43.82	8.13	21.06	30.00	8.94	H
	40MHz	3500.01	-26.58	4.29	44.92	8.20	22.25	30.00	7.75	H
	40MHz	3529.98	-25.08	4.32	43.74	8.22	22.55	30.00	7.45	H
	50MHz	3475.02	-26.83	4.24	44.11	8.14	21.18	30.00	8.82	H
	50MHz	3500.01	-26.65	4.29	44.92	8.20	22.18	30.00	7.82	H
	50MHz	3525.00	-25.28	4.32	44.03	8.21	22.64	30.00	7.36	H
	60MHz	3480.00	-25.77	4.24	43.16	8.15	21.30	30.00	8.70	H
	60MHz	3500.01	-26.86	4.29	44.92	8.20	21.97	30.00	8.03	H
	60MHz	3519.99	-25.53	4.32	44.13	8.21	22.49	30.00	7.51	H
	80MHz	3490.02	-25.88	4.25	43.78	8.18	21.82	30.00	8.18	H
	80MHz	3500.01	-26.81	4.29	44.92	8.20	22.02	30.00	7.98	H
	80MHz	3510.00	-24.72	4.33	43.41	8.21	22.57	30.00	7.43	H
90MHz	3495.00	-25.78	4.27	43.69	8.19	21.83	30.00	8.17	H	
90MHz	3500.01	-26.66	4.29	44.92	8.20	22.17	30.00	7.83	H	
90MHz	3504.99	-26.42	4.31	44.84	8.20	22.31	30.00	7.69	H	
QPSK	10MHz	3455.01	-26.57	4.24	43.27	8.09	20.55	30.00	9.45	H
	10MHz	3500.01	-26.60	4.29	44.92	8.20	22.23	30.00	7.77	H
	10MHz	3544.98	-24.84	4.30	43.70	8.22	22.78	30.00	7.22	V
	15MHz	3457.50	-27.13	4.24	43.94	8.10	20.67	30.00	9.33	H
	15MHz	3500.01	-26.71	4.29	44.92	8.20	22.12	30.00	7.88	H
	15MHz	3542.49	-24.76	4.31	43.44	8.22	22.60	30.00	7.40	V
	20MHz	3460.02	-26.86	4.23	43.80	8.10	20.81	30.00	9.19	H
	20MHz	3500.01	-26.71	4.29	44.92	8.20	22.12	30.00	7.88	H
	20MHz	3540.00	-25.16	4.31	43.85	8.22	22.60	30.00	7.40	V
	40MHz	3470.01	-26.80	4.23	43.82	8.13	20.92	30.00	9.08	H
	40MHz	3500.01	-26.71	4.29	44.92	8.20	22.12	30.00	7.88	H
	40MHz	3529.98	-25.18	4.32	43.74	8.22	22.45	30.00	7.55	H
	50MHz	3475.02	-26.96	4.24	44.11	8.14	21.05	30.00	8.95	H
50MHz	3500.01	-26.69	4.29	44.92	8.20	22.14	30.00	7.86	H	

	50MHz	3525.00	-25.12	4.32	44.03	8.21	22.80	30.00	7.20	V
	60MHz	3480.00	-23.94	4.24	43.16	8.15	23.13	30.00	6.87	V
	60MHz	3500.01	-27.81	4.29	44.92	8.20	21.02	30.00	8.98	V
	60MHz	3519.99	-23.03	4.32	44.13	8.21	24.99	30.00	5.01	V
	80MHz	3490.02	-24.60	4.25	43.78	8.18	23.10	30.00	6.90	H
	80MHz	3500.01	-25.92	4.29	44.92	8.20	22.91	30.00	7.09	H
	80MHz	3510.00	-24.42	4.33	43.41	8.21	22.87	30.00	7.13	H
	90MHz	3495.00	-25.51	4.27	43.69	8.19	22.10	30.00	7.90	H
	90MHz	3500.01	-26.67	4.29	44.92	8.20	22.16	30.00	7.84	H
	90MHz	3504.99	-26.20	4.31	44.84	8.20	22.53	30.00	7.47	H
16QAM	10MHz	3455.01	-27.49	4.24	43.27	8.09	19.63	30.00	10.37	H
	10MHz	3500.01	-28.05	4.29	44.92	8.20	20.78	30.00	9.22	H
	10MHz	3544.98	-25.94	4.30	43.70	8.22	21.68	30.00	8.32	H
	15MHz	3457.50	-27.95	4.24	43.94	8.10	19.85	30.00	10.15	H
	15MHz	3500.01	-27.49	4.29	44.92	8.20	21.34	30.00	8.66	H
	15MHz	3542.49	-25.51	4.31	43.44	8.22	21.85	30.00	8.15	H
	20MHz	3460.02	-27.59	4.23	43.80	8.10	20.08	30.00	9.92	H
	20MHz	3500.01	-27.53	4.29	44.92	8.20	21.30	30.00	8.70	H
	20MHz	3540.00	-26.16	4.31	43.85	8.22	21.60	30.00	8.40	H
	40MHz	3470.01	-27.53	4.23	43.82	8.13	20.19	30.00	9.81	H
	40MHz	3500.01	-27.53	4.29	44.92	8.20	21.30	30.00	8.70	H
	40MHz	3529.98	-26.12	4.32	43.74	8.22	21.51	30.00	8.49	H
	50MHz	3475.02	-27.86	4.24	44.11	8.14	20.15	30.00	9.85	H
	50MHz	3500.01	-27.47	4.29	44.92	8.20	21.36	30.00	8.64	H
	50MHz	3525.00	-26.09	4.32	44.03	8.21	21.83	30.00	8.17	H
	60MHz	3480.00	-26.62	4.24	43.16	8.15	20.45	30.00	9.55	H
	60MHz	3500.01	-27.50	4.29	44.92	8.20	21.33	30.00	8.67	H
	60MHz	3519.99	-26.47	4.32	44.13	8.21	21.55	30.00	8.45	H
	80MHz	3490.02	-26.60	4.25	43.78	8.18	21.10	30.00	8.90	H
	80MHz	3500.01	-27.44	4.29	44.92	8.20	21.39	30.00	8.61	H
80MHz	3510.00	-25.46	4.33	43.41	8.21	21.83	30.00	8.17	H	
64QAM	90MHz	3495.00	-26.51	4.27	43.69	8.19	21.10	30.00	8.90	H
	90MHz	3500.01	-27.53	4.29	44.92	8.20	21.30	30.00	8.70	H
	90MHz	3504.99	-27.28	4.31	44.84	8.20	21.45	30.00	8.55	H
	10MHz	3544.98	-27.62	4.30	43.70	8.22	20.00	30.00	10.00	H
	15MHz	3542.49	-27.55	4.31	43.44	8.22	19.81	30.00	10.19	H
	20MHz	3540.00	-27.42	4.31	43.85	8.22	20.34	30.00	9.66	V
	40MHz	3529.98	-27.49	4.32	43.74	8.22	20.14	30.00	9.86	H
	50MHz	3525.00	-27.79	4.32	44.03	8.21	20.13	30.00	9.87	H
256QAM	60MHz	3519.99	-28.07	4.32	44.13	8.21	19.95	30.00	10.05	H
	80MHz	3510.00	-27.03	4.33	43.41	8.21	20.26	30.00	9.74	H
	90MHz	3504.99	-28.91	4.31	44.84	8.20	19.82	30.00	10.18	H
	10MHz	3544.98	-28.71	4.30	43.70	8.22	18.91	30.00	11.09	V



	15MHz	3542.49	-29.35	4.31	43.44	8.22	18.01	30.00	11.99	H
	20MHz	3540.00	-29.69	4.31	43.85	8.22	18.07	30.00	11.93	V
	40MHz	3529.98	-29.73	4.32	43.74	8.22	17.90	30.00	12.10	V
	50MHz	3525.00	-29.84	4.32	44.03	8.21	18.08	30.00	11.92	H
	60MHz	3519.99	-29.98	4.32	44.13	8.21	18.04	30.00	11.96	H
	80MHz	3510.00	-28.65	4.33	43.41	8.21	18.64	30.00	11.36	H
	90MHz	3504.99	-31.01	4.31	44.84	8.20	17.72	30.00	12.28	H

NR n77H(3700MHz~3980MHz) - EIRP
Limits: ≤30dBm (1W)

Mod.	Bandwidth	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	P _{Ag} (dB)	G _a (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Ant.Pol
pi/2 BPSK	10MHz	3705.00	-23.13	4.42	43.47	8.30	24.23	30.00	5.77	H
	10MHz	3840.00	-25.12	4.55	43.44	8.37	22.15	30.00	7.85	H
	10MHz	3975.00	-28.84	4.62	44.62	8.44	19.61	30.00	10.39	H
	15MHz	3707.52	-24.38	4.41	44.60	8.31	24.11	30.00	5.89	H
	15MHz	3840.00	-25.07	4.55	43.44	8.37	22.20	30.00	7.80	H
	15MHz	3972.48	-29.16	4.63	44.95	8.44	19.60	30.00	10.40	H
	20MHz	3710.01	-25.39	4.41	43.69	8.31	22.20	30.00	7.80	V
	20MHz	3840.00	-25.04	4.55	43.44	8.37	22.23	30.00	7.77	H
	20MHz	3969.99	-28.21	4.63	43.87	8.44	19.47	30.00	10.53	H
	40MHz	3720.00	-26.22	4.42	44.62	8.31	22.29	30.00	7.71	H
	40MHz	3840.00	-25.04	4.55	43.44	8.37	22.23	30.00	7.77	H
	40MHz	3960.00	-29.28	4.58	44.74	8.43	19.31	30.00	10.69	H
	50MHz	3725.01	-24.59	4.42	44.76	8.31	24.07	30.00	5.93	H
	50MHz	3840.00	-25.01	4.55	43.44	8.37	22.26	30.00	7.74	H
	50MHz	3954.48	-28.09	4.56	43.19	8.43	18.97	30.00	11.03	H
	60MHz	3730.02	-23.95	4.43	44.14	8.32	24.08	30.00	5.92	H
	60MHz	3840.00	-24.81	4.55	43.44	8.37	22.46	30.00	7.54	H
	60MHz	3949.98	-29.56	4.53	44.47	8.43	18.81	30.00	11.19	H
	80MHz	3740.01	-24.70	4.48	43.45	8.32	22.59	30.00	7.41	H
	80MHz	3840.00	-25.74	4.55	43.44	8.37	21.53	30.00	8.47	H
	80MHz	3939.99	-29.46	4.51	44.18	8.42	18.63	30.00	11.37	H
	90MHz	3745.02	-25.24	4.51	43.94	8.33	22.52	30.00	7.48	H
	90MHz	3840.00	-26.83	4.55	43.44	8.37	20.44	30.00	9.56	V
	90MHz	3934.98	-30.48	4.50	44.98	8.42	18.42	30.00	11.58	H
100MHz	3750.00	-25.32	4.54	43.93	8.33	22.40	30.00	7.60	H	
100MHz	3840.00	-25.75	4.55	43.44	8.37	21.52	30.00	8.48	H	
100MHz	3930.00	-29.93	4.49	44.53	8.42	18.53	30.00	11.47	H	
QPSK	10MHz	3705.00	-23.17	4.42	43.47	8.30	24.19	30.00	5.81	H
	10MHz	3840.00	-25.29	4.55	43.44	8.37	21.98	30.00	8.02	H
	10MHz	3975.00	-28.86	4.62	44.62	8.44	19.59	30.00	10.41	H
	15MHz	3707.52	-24.31	4.41	44.60	8.31	24.18	30.00	5.82	H
	15MHz	3840.00	-25.00	4.55	43.44	8.37	22.27	30.00	7.73	H
	15MHz	3972.48	-29.25	4.63	44.95	8.44	19.51	30.00	10.49	H
	20MHz	3710.01	-23.50	4.41	43.69	8.31	24.09	30.00	5.91	H
	20MHz	3840.00	-25.02	4.55	43.44	8.37	22.25	30.00	7.75	H
	20MHz	3969.99	-28.30	4.63	43.87	8.44	19.38	30.00	10.62	H
	40MHz	3720.00	-24.56	4.42	44.62	8.31	23.95	30.00	6.05	H
40MHz	3840.00	-25.02	4.55	43.44	8.37	22.25	30.00	7.75	H	

	40MHz	3960.00	-29.37	4.58	44.74	8.43	19.22	30.00	10.78	H
	50MHz	3725.01	-24.54	4.42	44.76	8.31	24.12	30.00	5.88	H
	50MHz	3840.00	-24.82	4.55	43.44	8.37	22.45	30.00	7.55	H
	50MHz	3954.48	-28.12	4.56	43.19	8.43	18.94	30.00	11.06	H
	60MHz	3730.02	-23.88	4.43	44.14	8.32	24.15	30.00	5.85	H
	60MHz	3840.00	-24.70	4.55	43.44	8.37	22.57	30.00	7.43	H
	60MHz	3949.98	-29.51	4.53	44.47	8.43	18.86	30.00	11.14	H
	80MHz	3740.01	-24.58	4.48	43.45	8.32	22.71	30.00	7.29	H
	80MHz	3840.00	-25.71	4.55	43.44	8.37	21.56	30.00	8.44	H
	80MHz	3939.99	-29.49	4.51	44.18	8.42	18.60	30.00	11.40	H
	90MHz	3745.02	-25.27	4.51	43.94	8.33	22.49	30.00	7.51	H
	90MHz	3840.00	-25.77	4.55	43.44	8.37	21.50	30.00	8.50	H
	90MHz	3934.98	-30.62	4.50	44.98	8.42	18.28	30.00	11.72	H
	100MHz	3750.00	-25.27	4.54	43.93	8.33	22.45	30.00	7.55	H
	100MHz	3840.00	-25.72	4.55	43.44	8.37	21.55	30.00	8.45	H
	100MHz	3930.00	-30.02	4.49	44.53	8.42	18.44	30.00	11.56	H
16QAM	10MHz	3705.00	-24.11	4.42	43.47	8.30	23.25	30.00	6.75	H
	10MHz	3840.00	-26.20	4.55	43.44	8.37	21.07	30.00	8.93	H
	10MHz	3975.00	-29.71	4.62	44.62	8.44	18.74	30.00	11.26	H
	15MHz	3707.52	-25.37	4.41	44.60	8.31	23.12	30.00	6.88	H
	15MHz	3840.00	-26.07	4.55	43.44	8.37	21.20	30.00	8.80	H
	15MHz	3972.48	-30.08	4.63	44.95	8.44	18.68	30.00	11.32	H
	20MHz	3710.01	-24.67	4.41	43.69	8.31	22.92	30.00	7.08	H
	20MHz	3840.00	-26.22	4.55	43.44	8.37	21.05	30.00	8.95	H
	20MHz	3969.99	-29.12	4.63	43.87	8.44	18.56	30.00	11.44	H
	40MHz	3720.00	-25.73	4.42	44.62	8.31	22.78	30.00	7.22	H
	40MHz	3840.00	-26.22	4.55	43.44	8.37	21.05	30.00	8.95	H
	40MHz	3960.00	-30.19	4.58	44.74	8.43	18.40	30.00	11.60	H
	50MHz	3725.01	-25.53	4.42	44.76	8.31	23.13	30.00	6.87	H
	50MHz	3840.00	-25.95	4.55	43.44	8.37	21.32	30.00	8.68	H
	50MHz	3954.48	-29.08	4.56	43.19	8.43	17.98	30.00	12.02	H
	60MHz	3730.02	-24.99	4.43	44.14	8.32	23.04	30.00	6.96	H
	60MHz	3840.00	-25.75	4.55	43.44	8.37	21.52	30.00	8.48	H
	60MHz	3949.98	-30.33	4.53	44.47	8.43	18.04	30.00	11.96	H
	80MHz	3740.01	-25.42	4.48	43.45	8.32	21.87	30.00	8.13	H
	80MHz	3840.00	-26.57	4.55	43.44	8.37	20.70	30.00	9.30	H
	80MHz	3939.99	-30.41	4.51	44.18	8.42	17.68	30.00	12.32	H
	90MHz	3745.02	-26.28	4.51	43.94	8.33	21.48	30.00	8.52	H
	90MHz	3840.00	-26.75	4.55	43.44	8.37	20.52	30.00	9.48	H
	90MHz	3934.98	-31.37	4.50	44.98	8.42	17.53	30.00	12.47	H
100MHz	3750.00	-26.27	4.54	43.93	8.33	21.45	30.00	8.55	H	
100MHz	3840.00	-26.70	4.55	43.44	8.37	20.57	30.00	9.43	H	
100MHz	3930.00	-30.85	4.49	44.53	8.42	17.61	30.00	12.39	H	

64QAM	10MHz	3705.00	-25.81	4.42	43.47	8.30	21.55	30.00	8.45	H
	15MHz	3707.52	-27.12	4.41	44.60	8.31	21.37	30.00	8.63	H
	20MHz	3710.01	-26.24	4.41	43.69	8.31	21.35	30.00	8.65	H
	40MHz	3720.00	-27.30	4.42	44.62	8.31	21.21	30.00	8.79	H
	50MHz	3725.01	-27.19	4.42	44.76	8.31	21.47	30.00	8.53	H
	60MHz	3730.02	-26.57	4.43	44.14	8.32	21.46	30.00	8.54	H
	80MHz	3740.01	-27.32	4.48	43.45	8.32	19.97	30.00	10.03	H
	90MHz	3745.02	-27.84	4.51	43.94	8.33	19.92	30.00	10.08	H
	100MHz	3750.00	-27.88	4.54	43.93	8.33	19.84	30.00	10.16	H
256QAM	10MHz	3705.00	-27.53	4.42	43.47	8.30	19.83	30.00	10.17	H
	15MHz	3707.52	-28.78	4.41	44.60	8.31	19.71	30.00	10.29	H
	20MHz	3710.01	-27.93	4.41	43.69	8.31	19.66	30.00	10.34	H
	40MHz	3720.00	-28.99	4.42	44.62	8.31	19.52	30.00	10.48	H
	50MHz	3725.01	-29.23	4.42	44.76	8.31	19.43	30.00	10.57	H
	60MHz	3730.02	-28.37	4.43	44.14	8.32	19.66	30.00	10.34	H
	80MHz	3740.01	-28.93	4.48	43.45	8.32	18.36	30.00	11.64	H
	90MHz	3745.02	-29.59	4.51	43.94	8.33	18.17	30.00	11.83	H
	100MHz	3750.00	-30.34	4.54	43.93	8.33	17.38	30.00	12.62	V

NR n78L(3450MHz~3550MHz) - EIRP
Limits: ≤30dBm (1W)

Mod.	Bandwidth	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	P _{Ag} (dB)	G _a (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Ant.Pol
pi/2 BPSK	10MHz	3455.01	-26.08	4.24	43.27	8.09	21.04	30.00	8.96	H
	10MHz	3500.01	-26.70	4.29	44.92	8.20	22.13	30.00	7.87	H
	10MHz	3544.98	-26.82	4.30	43.70	8.22	20.80	30.00	9.20	H
	15MHz	3457.50	-26.55	4.24	43.94	8.10	21.25	30.00	8.75	H
	15MHz	3500.01	-26.62	4.29	44.92	8.20	22.21	30.00	7.79	H
	15MHz	3542.49	-26.61	4.31	43.44	8.22	20.75	30.00	9.25	V
	20MHz	3460.02	-26.31	4.23	43.80	8.10	21.36	30.00	8.64	H
	20MHz	3500.01	-26.46	4.29	44.92	8.20	22.37	30.00	7.63	H
	20MHz	3540.00	-26.91	4.31	43.85	8.22	20.85	30.00	9.15	H
	40MHz	3470.01	-26.25	4.23	43.82	8.13	21.47	30.00	8.53	H
	40MHz	3500.01	-26.46	4.29	44.92	8.20	22.37	30.00	7.63	H
	40MHz	3529.98	-26.87	4.32	43.74	8.22	20.76	30.00	9.24	H
	50MHz	3475.02	-25.68	4.24	44.11	8.14	22.33	30.00	7.67	H
	50MHz	3500.01	-26.58	4.29	44.92	8.20	22.25	30.00	7.75	H
	50MHz	3525.00	-26.34	4.32	44.03	8.21	21.58	30.00	8.42	H
	60MHz	3480.00	-25.05	4.24	43.16	8.15	22.02	30.00	7.98	H
	60MHz	3500.01	-26.47	4.29	44.92	8.20	22.36	30.00	7.64	H
	60MHz	3519.99	-25.93	4.32	44.13	8.21	22.09	30.00	7.91	H
	80MHz	3490.02	-25.22	4.25	43.78	8.18	22.48	30.00	7.52	H
	80MHz	3500.01	-26.35	4.29	44.92	8.20	22.48	30.00	7.52	H
	80MHz	3510.00	-24.84	4.33	43.41	8.21	22.45	30.00	7.55	H
QPSK	90MHz	3495.00	-25.12	4.27	43.69	8.19	22.49	30.00	7.51	H
	90MHz	3500.01	-26.47	4.29	44.92	8.20	22.36	30.00	7.64	H
	90MHz	3504.99	-26.31	4.31	44.84	8.20	22.42	30.00	7.58	H
	10MHz	3455.01	-26.18	4.24	43.27	8.09	20.94	30.00	9.06	H
	10MHz	3500.01	-26.85	4.29	44.92	8.20	21.98	30.00	8.02	H
	10MHz	3544.98	-26.87	4.30	43.70	8.22	20.75	30.00	9.25	H
	15MHz	3457.50	-26.62	4.24	43.94	8.10	21.18	33.00	11.82	H
	15MHz	3500.01	-26.80	4.29	44.92	8.20	22.03	30.00	7.97	H
	15MHz	3542.49	-26.75	4.31	43.44	8.22	20.61	30.00	9.39	H
	20MHz	3460.02	-26.34	4.23	43.80	8.10	21.33	30.00	8.67	H
	20MHz	3500.01	-26.61	4.29	44.92	8.20	22.22	30.00	7.78	H
	20MHz	3540.00	-27.10	4.31	43.85	8.22	20.66	30.00	9.34	H
	40MHz	3470.01	-26.28	4.23	43.82	8.13	21.44	30.00	8.56	H
40MHz	3500.01	-26.61	4.29	44.92	8.20	22.22	30.00	7.78	H	
40MHz	3529.98	-27.06	4.32	43.74	8.22	20.57	30.00	9.43	H	
50MHz	3475.02	-25.62	4.24	44.11	8.14	22.39	30.00	7.61	H	
50MHz	3500.01	-26.63	4.29	44.92	8.20	22.20	30.00	7.80	H	

	50MHz	3525.00	-26.35	4.32	44.03	8.21	21.57	30.00	8.43	H
	60MHz	3480.00	-25.11	4.24	43.16	8.15	21.96	30.00	8.04	H
	60MHz	3500.01	-26.58	4.29	44.92	8.20	22.25	30.00	7.75	H
	60MHz	3519.99	-26.08	4.32	44.13	8.21	21.94	30.00	8.06	H
	80MHz	3490.02	-25.36	4.25	43.78	8.18	22.34	30.00	7.66	H
	80MHz	3500.01	-26.47	4.29	44.92	8.20	22.36	30.00	7.64	H
	80MHz	3510.00	-25.06	4.33	43.41	8.21	22.23	30.00	7.77	H
	90MHz	3495.00	-25.20	4.27	43.69	8.19	22.41	30.00	7.59	H
	90MHz	3500.01	-26.54	4.29	44.92	8.20	22.29	30.00	7.71	H
	90MHz	3504.99	-26.40	4.31	44.84	8.20	22.33	30.00	7.67	H
16QAM	10MHz	3455.01	-27.18	4.24	43.27	8.09	19.94	30.00	10.06	H
	10MHz	3500.01	-27.82	4.29	44.92	8.20	21.01	30.00	8.99	H
	10MHz	3544.98	-27.90	4.30	43.70	8.22	19.72	30.00	10.28	H
	15MHz	3457.50	-27.67	4.24	43.94	8.10	20.13	33.00	12.87	H
	15MHz	3500.01	-27.72	4.29	44.92	8.20	21.11	30.00	8.89	H
	15MHz	3542.49	-27.65	4.31	43.44	8.22	19.71	30.00	10.29	V
	20MHz	3460.02	-27.12	4.23	43.80	8.10	20.55	30.00	9.45	H
	20MHz	3500.01	-27.51	4.29	44.92	8.20	21.32	30.00	8.68	H
	20MHz	3540.00	-27.71	4.31	43.85	8.22	20.05	30.00	9.95	H
	40MHz	3470.01	-27.06	4.23	43.82	8.13	20.66	30.00	9.34	H
	40MHz	3500.01	-27.51	4.29	44.92	8.20	21.32	30.00	8.68	H
	40MHz	3529.98	-27.67	4.32	43.74	8.22	19.96	30.00	10.04	H
	50MHz	3475.02	-26.45	4.24	44.11	8.14	21.56	30.00	8.44	H
	50MHz	3500.01	-27.40	4.29	44.92	8.20	21.43	30.00	8.57	H
	50MHz	3525.00	-27.13	4.32	44.03	8.21	20.79	30.00	9.21	H
	60MHz	3480.00	-25.86	4.24	43.16	8.15	21.21	30.00	8.79	H
	60MHz	3500.01	-27.29	4.29	44.92	8.20	21.54	30.00	8.46	H
	60MHz	3519.99	-27.06	4.32	44.13	8.21	20.96	30.00	9.04	H
	80MHz	3490.02	-26.37	4.25	43.78	8.18	21.33	30.00	8.67	H
	80MHz	3500.01	-27.40	4.29	44.92	8.20	21.43	30.00	8.57	H
80MHz	3510.00	-26.00	4.33	43.41	8.21	21.29	30.00	8.71	H	
90MHz	3495.00	-26.19	4.27	43.69	8.19	21.42	30.00	8.58	H	
90MHz	3500.01	-27.34	4.29	44.92	8.20	21.49	30.00	8.51	H	
90MHz	3504.99	-27.34	4.31	44.84	8.20	21.39	30.00	8.61	H	
64QAM	10MHz	3500.01	-29.26	4.29	44.92	8.20	19.57	30.00	10.43	H
	15MHz	3500.01	-29.17	4.29	44.92	8.20	19.66	30.00	10.34	H
	20MHz	3500.01	-29.04	4.29	44.92	8.20	19.79	30.00	10.21	H
	40MHz	3500.01	-29.04	4.29	44.92	8.20	19.79	30.00	10.21	H
	50MHz	3500.01	-29.37	4.29	44.92	8.20	19.46	30.00	10.54	H
	60MHz	3500.01	-29.15	4.29	44.92	8.20	19.68	30.00	10.32	H
	80MHz	3500.01	-29.03	4.29	44.92	8.20	19.80	30.00	10.20	H
	90MHz	3495.00	-27.67	4.27	43.69	8.19	19.94	30.00	10.06	H
256QAM	10MHz	3500.01	-31.01	4.29	44.92	8.20	17.82	30.00	12.18	H

	15MHz	3500.01	-30.90	4.29	44.92	8.20	17.93	30.00	12.07	H
	20MHz	3500.01	-30.81	4.29	44.92	8.20	18.02	30.00	11.98	H
	40MHz	3500.01	-30.81	4.29	44.92	8.20	18.02	30.00	11.98	H
	50MHz	3500.01	-30.68	4.29	44.92	8.20	18.15	30.00	11.85	H
	60MHz	3500.01	-30.71	4.29	44.92	8.20	18.12	30.00	11.88	H
	80MHz	3500.01	-30.64	4.29	44.92	8.20	18.19	30.00	11.81	H
	90MHz	3495.00	-29.59	4.27	43.69	8.19	18.02	30.00	11.98	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 4.69$ dB, $k = 2$.

A.2 Emission Limit

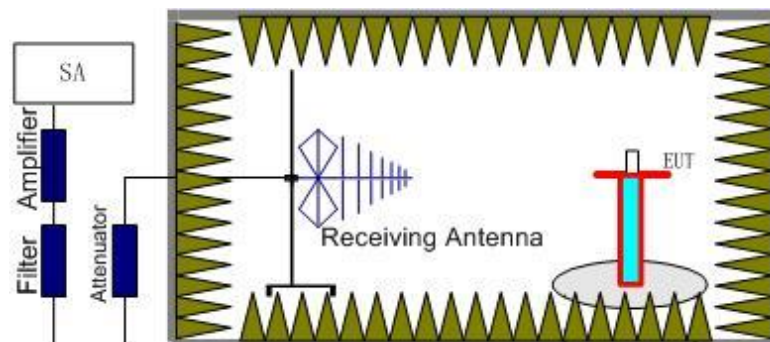
A.2.1 Measurement Method

The measurements procedures in ANSI C63.26 are used. This measurement is carried out in fully-anechoic chamber.

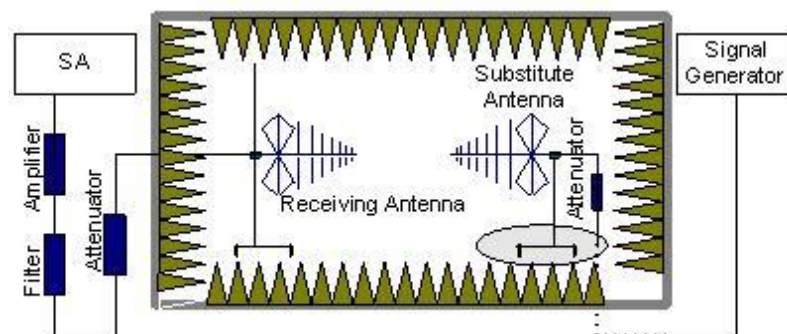
The spectrum was scanned from 9 kHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier. The resolution bandwidth is set 1MHz. The spectrum was scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of each NR Band.

The procedure of radiated spurious emissions is as follows:

1. EUT was placed on a 0.8/1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The receiving antenna shall be varied from 1 to 4m in height above the reference ground. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT through 360° and the EUT is manipulated through all orthogonal planes representative of its typical use. The test is carried out with both vertical and horizontal polarization of the receiving antenna. The radiated emission measurements of all non-harmonic and harmonics of the transmit frequency through the 10th harmonic were measured with peak detector.



2. The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (Pr).
3. The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.



In the chamber, a substitution antenna for the frequency band of interest is placed at the

reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna. Adjust the level of the signal generator output until the value of the receiver reaches the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

4. The Path loss (P_{pl}) between the Signal Source with the Substitution Antenna and the Substitution Antenna Gain (G_a) should be recorded after test.

An amplifier should be connected in for the test.

The Path loss (P_{pl}) is the summation of the cable loss and the gain of the amplifier.

The measurement results are obtained as described below:

$$\text{Power (EIRP)} = P_{Mea} - P_{pl} + G_a$$

5. This value is EIRP since the measurement is calibrated using an antenna of known gain (unit: dBi) and known input power.
6. ERP can be calculated from EIRP by subtracting the gain of the dipole, $ERP = EIRP - 2.15\text{dB}$.

A.2.2 Measurement Limit

n5: 22.917 specify that Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

n7, n38, n41: 27.53(m) (4) specifies " For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. ".

n77, n78:

Part 27.53(n) states for mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/ MHz

Part 27.53(l) states for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz

A.2.3 Measurement Results

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies of each NR Band. It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of each NR Band into any of the other blocks. The equipment must still, however, meet emissions requirements with the carrier at all frequencies over which it is capable

of operating and it is the manufacturer's responsibility to verify this.

For NR operation, all subcarrier spacing (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and worst case configuration results are reported in this section.

Spurious emissions shown in this section measured while operating in EN-DC mode with sub 6GHz NR carrier as well as an LTE (anchor). Spurious emission from the NR carrier device is subject to the rules under which the NR carrier operates. Spurious emissions caused by the LTE carrier must meet the requirement of the rules under which the LTE carrier operates.

The range of evaluated frequency is from 9 kHz to 10th harmonic of the fundamental frequency of the transmitter. Measurement value showed only up to 6 maximum emissions noted.

NR n5, 5MHz, PI/2 BPSK, Channel 165300

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1411.01	-55.89	3.25	5.04	2.15	-56.25	-13.00	43.25	H
2136.50	-48.76	4.23	5.01	2.15	-50.13	-13.00	37.13	H
2822.50	-45.09	4.94	6.68	2.15	-45.50	-13.00	32.50	H
3534.18	-59.07	5.66	8.25	2.15	-58.63	-13.00	45.63	H
4246.62	-58.31	6.24	9.15	2.15	-57.55	-13.00	44.55	H
4962.55	-56.55	6.67	9.86	2.15	-55.51	-13.00	42.51	V

NR n5, 5MHz, PI/2 BPSK, Channel 167300

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1425.51	-55.84	3.27	5.11	2.15	-56.15	-13.00	43.15	H
2133.00	-48.98	4.23	5.00	2.15	-50.36	-13.00	37.36	H
2819.50	-45.88	4.94	6.68	2.15	-46.29	-13.00	33.29	H
3543.23	-58.36	5.75	8.26	2.15	-58.00	-13.00	45.00	V
4257.07	-57.48	6.23	9.16	2.15	-56.70	-13.00	43.70	V
4954.89	-56.70	6.68	9.85	2.15	-55.68	-13.00	42.68	H

NR n5, 5MHz, PI/2 BPSK, Channel 169300

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1428.01	-56.11	3.27	5.13	2.15	-56.40	-13.00	43.40	H
2130.50	-50.06	4.22	4.99	2.15	-51.44	-13.00	38.44	H
2843.50	-45.48	4.96	6.72	2.15	-45.87	-13.00	32.87	H
3544.63	-58.32	5.77	8.26	2.15	-57.98	-13.00	44.98	V
4259.86	-57.71	6.23	9.16	2.15	-56.93	-13.00	43.93	V
4966.03	-57.39	6.66	9.87	2.15	-56.33	-13.00	43.33	H

NR n7, 5MHz, PI/2 BPSK, Channel 500500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5027.01	-59.76	6.57	9.94	-56.39	-25.00	31.39	H
7507.01	-53.29	8.36	12.21	-49.44	-25.00	24.44	V
10009.01	-54.00	9.21	12.90	-50.31	-25.00	25.31	V
12533.00	-48.97	10.27	13.22	-46.02	-25.00	21.02	H
15009.00	-43.84	11.23	13.99	-41.08	-25.00	16.08	V
17543.00	-40.08	12.89	14.96	-38.01	-25.00	13.01	H

NR n7, 5MHz, PI/2 BPSK, Channel 507000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5070.01	-58.81	6.69	10.00	-55.50	-25.00	30.50	H
7607.01	-52.13	8.00	12.29	-47.84	-25.00	22.84	V
10113.01	-53.41	9.44	12.95	-49.90	-25.00	24.90	V
12698.00	-48.20	10.30	13.32	-45.18	-25.00	20.18	H
15234.00	-44.40	11.36	13.86	-41.90	-25.00	16.90	H
17742.00	-41.08	12.41	15.24	-38.25	-25.00	13.25	V

NR n7, 5MHz, PI/2 BPSK, Channel 513500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5136.01	-59.30	6.86	10.09	-56.07	-25.00	31.07	H
7706.01	-55.21	8.42	12.36	-51.27	-25.00	26.27	V
10292.01	-52.23	9.62	13.02	-48.83	-25.00	23.83	V
12845.00	-47.83	10.65	13.41	-45.07	-25.00	20.07	H
15426.00	-44.17	11.43	13.74	-41.86	-25.00	16.86	H
17944.00	-41.25	12.89	15.52	-38.62	-25.00	13.62	V

NR EN-DC B5-n7, 5MHz, PI/2 BPSK, Channel 500500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
4168.01	-56.92	6.13	9.07	-53.98	-25.00	28.98	V
6249.01	-57.11	7.44	10.75	-53.80	-25.00	28.80	V
8343.01	-53.59	8.66	12.87	-49.38	-25.00	24.38	V
10410.01	-50.96	9.79	13.06	-47.69	-25.00	22.69	V
12535.00	-49.11	10.28	13.22	-46.17	-25.00	21.17	V
14640.00	-45.30	11.17	14.29	-42.18	-25.00	17.18	H

NR EN-DC B5-n7, 5MHz, PI/2 BPSK, Channel 507000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
4233.01	-57.71	6.26	9.13	-54.84	-25.00	29.84	V
6358.01	-58.02	7.56	10.86	-54.72	-25.00	29.72	H
8475.01	-53.69	8.66	12.98	-49.37	-25.00	24.37	V
10605.00	-51.57	9.28	13.12	-47.73	-25.00	22.73	V
12742.00	-48.19	10.49	13.35	-45.33	-25.00	20.33	H
14882.00	-44.20	11.18	14.09	-41.29	-25.00	16.29	H

NR EN-DC B5-n7, 5MHz, PI/2 BPSK, Channel 513500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
4194.01	-59.09	6.19	9.09	-56.19	-25.00	31.19	H
6305.01	-56.98	7.53	10.81	-53.70	-25.00	28.70	V
8386.01	-54.46	8.64	12.91	-50.19	-25.00	25.19	V
10470.01	-50.80	9.70	13.09	-47.41	-25.00	22.41	V
12618.00	-48.52	10.44	13.27	-45.69	-25.00	20.69	H
14721.00	-44.55	11.19	14.22	-41.52	-25.00	16.52	H

NR n38, 10MHz, PI/2 BPSK, Channel 515000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5150.01	-59.98	6.88	10.11	-56.75	-25.00	31.75	H
7742.01	-55.96	8.37	12.39	-51.94	-25.00	26.94	V
10314.01	-51.33	9.67	13.03	-47.97	-25.00	22.97	V
12849.00	-48.20	10.64	13.41	-45.43	-25.00	20.43	H
15458.00	-43.47	11.48	13.73	-41.22	-25.00	16.22	H
17999.00	-41.60	12.90	15.60	-38.90	-25.00	13.90	H

NR n38, 10MHz, PI/2 BPSK, Channel 519000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5193.01	-60.25	6.95	10.17	-57.03	-25.00	32.03	H
7764.01	-56.05	8.34	12.41	-51.98	-25.00	26.98	V
10392.01	-50.71	9.79	13.06	-47.44	-25.00	22.44	V
12963.00	-48.34	10.48	13.48	-45.34	-25.00	20.34	V
15532.00	-44.18	11.52	13.70	-42.00	-25.00	17.00	H
16845.00	-40.37	12.06	13.74	-38.69	-25.00	13.69	H

NR n38, 10MHz, PI/2 BPSK, Channel 523000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5230.01	-57.32	7.00	10.22	-54.10	-25.00	29.10	H
7867.01	-55.99	8.38	12.49	-51.88	-25.00	26.88	V
10450.01	-50.94	9.73	13.08	-47.59	-25.00	22.59	V
13065.00	-45.55	10.77	13.59	-42.73	-25.00	17.73	V
15661.00	-44.25	11.56	13.70	-42.11	-25.00	17.11	H
17011.00	-40.95	12.41	13.82	-39.54	-25.00	14.54	H

NR n41, 20MHz, PI/2 BPSK, Channel 501204

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5029.01	-59.31	6.57	9.94	-55.94	-25.00	30.94	V
7492.01	-54.22	8.37	12.19	-50.40	-25.00	25.40	V
10013.01	-53.31	9.22	12.91	-49.62	-25.00	24.62	V
12544.00	-48.36	10.30	13.23	-45.43	-25.00	20.43	V
15055.00	-44.24	11.29	13.97	-41.56	-25.00	16.56	V
17563.00	-39.57	12.97	14.99	-37.55	-25.00	12.55	V

NR n41, 20MHz, PI/2 BPSK, Channel 518598

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5174.01	-60.20	6.92	10.14	-56.98	-25.00	31.98	H
7776.01	-55.55	8.32	12.42	-51.45	-25.00	26.45	V
10342.01	-50.74	9.71	13.04	-47.41	-25.00	22.41	V
12957.00	-48.32	10.48	13.47	-45.33	-25.00	20.33	V
15535.00	-43.93	11.52	13.70	-41.75	-25.00	16.75	H
16847.00	-40.66	12.06	13.74	-38.98	-25.00	13.98	H

NR n41, 20MHz, PI/2 BPSK, Channel 535998

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5330.01	-60.61	6.98	10.36	-57.23	-25.00	32.23	V
8042.01	-54.66	8.32	12.63	-50.35	-25.00	25.35	V
10723.00	-48.11	9.36	13.14	-44.33	-25.00	19.33	V
13386.00	-44.59	10.57	14.04	-41.12	-25.00	16.12	H
16098.00	-43.45	11.85	13.68	-41.62	-25.00	16.62	H
17417.00	-39.20	12.54	14.72	-37.02	-25.00	12.02	V

NR EN-DC B66 -n41, 20MHz, PI/2 BPSK, Channel 501204

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3510.01	-60.84	5.54	8.21	-58.17	-25.00	33.17	H
5268.01	-51.24	6.99	10.28	-47.95	-25.00	22.95	V
7005.01	-54.06	8.29	11.61	-50.74	-25.00	25.74	V
8759.01	-53.46	8.54	13.05	-48.95	-25.00	23.95	V
10543.00	-51.31	9.49	13.11	-47.69	-25.00	22.69	V
12294.00	-48.87	10.00	13.12	-45.75	-25.00	20.75	V

NR EN-DC B 66-n41, 20MHz, PI/2 BPSK, Channel 518598

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3536.01	-61.55	5.68	8.25	-58.98	-25.00	33.98	H
5267.01	-50.93	6.99	10.27	-47.65	-25.00	22.65	V
7014.01	-54.36	8.28	11.62	-51.02	-25.00	26.02	V
8796.01	-53.45	8.65	13.06	-49.04	-25.00	24.04	V
10501.00	-51.44	9.65	13.10	-47.99	-25.00	22.99	V
12263.00	-48.91	10.02	13.11	-45.82	-25.00	20.82	V

NR EN-DC B 66-n41, 20MHz, PI/2 BPSK, Channel 535998

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3510.01	-61.24	5.54	8.21	-58.57	-25.00	33.57	H
5266.01	-57.23	6.99	10.27	-53.95	-25.00	28.95	H
7000.01	-54.34	8.30	11.60	-51.04	-25.00	26.04	V
8779.01	-53.86	8.60	13.06	-49.40	-25.00	24.40	H
10530.00	-51.80	9.54	13.11	-48.23	-25.00	23.23	V
12318.00	-48.96	10.08	13.13	-45.91	-25.00	20.91	V

NR n77L, 20MHz, PI/2 BPSK, Channel 630668

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
6889.00	-55.35	7.77	11.47	-51.65	-13.00	38.65	V
10380.00	-51.66	9.77	13.05	-48.38	-13.00	35.38	V
12125.00	-48.49	10.27	13.05	-45.71	-13.00	32.71	H
13828.00	-44.33	10.66	14.40	-40.59	-13.00	27.59	V
15580.00	-44.91	11.49	13.70	-42.70	-13.00	29.70	H
17313.00	-39.75	12.39	14.49	-37.65	-13.00	24.65	V

NR n77L, 20MHz, PI/2 BPSK, Channel 633334

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
6986.00	-54.99	8.19	11.58	-51.60	-13.00	38.60	H
10517.00	-51.95	9.59	13.10	-48.44	-13.00	35.44	H
12281.00	-49.50	10.01	13.11	-46.40	-13.00	33.40	V
13977.00	-44.88	10.84	14.49	-41.23	-13.00	28.23	H
15760.00	-43.10	11.64	13.70	-41.04	-13.00	28.04	H
17529.00	-39.43	12.84	14.94	-37.33	-13.00	24.33	V

NR n77L, 20MHz, PI/2 BPSK, Channel 636000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
7060.00	-55.81	8.21	11.67	-52.35	-13.00	39.35	H
10620.00	-51.45	9.29	13.12	-47.62	-13.00	34.62	V
12361.00	-49.44	10.27	13.14	-46.57	-13.00	33.57	V
14166.00	-44.45	10.94	14.47	-40.92	-13.00	27.92	V
15902.00	-43.71	11.62	13.70	-41.63	-13.00	28.63	V
17683.00	-40.43	12.34	15.16	-37.61	-13.00	24.61	V

NR n77H, 20MHz, PI/2 BPSK, Channel 647334

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
7420.00	-52.27	8.17	12.10	-48.34	-13.00	35.34	H
9304.00	-54.02	9.15	13.28	-49.89	-13.00	36.89	V
11130.00	-49.91	9.71	13.17	-46.45	-13.00	33.45	V
13004.00	-45.72	10.48	13.51	-42.69	-13.00	29.69	H
14828.00	-44.49	11.14	14.14	-41.49	-13.00	28.49	H
16727.00	-40.88	11.83	13.69	-39.02	-13.00	26.02	V

NR n77H, 20MHz, PI/2 BPSK, Channel 656000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
7654.00	-54.96	8.22	12.32	-50.86	-13.00	37.86	H
9598.00	-54.46	9.19	13.30	-50.35	-13.00	37.35	H
11520.00	-50.10	9.81	13.10	-46.81	-13.00	33.81	H
13430.00	-43.83	10.59	14.10	-40.32	-13.00	27.32	H
15343.00	-44.31	11.33	13.79	-41.85	-13.00	28.85	H
17289.00	-38.35	12.37	14.44	-36.28	-13.00	23.28	V

NR n77H, 20MHz, PI/2 BPSK, Channel 664666

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
7946.00	-54.99	8.38	12.56	-50.81	-13.00	37.81	V
9915.00	-53.89	9.10	12.99	-50.00	-13.00	37.00	V
11891.00	-48.92	10.48	13.02	-46.38	-13.00	33.38	V
13912.00	-44.10	10.81	14.45	-40.46	-13.00	27.46	V
15878.00	-43.35	11.62	13.70	-41.27	-13.00	28.27	H
17865.00	-39.80	12.82	15.41	-37.21	-13.00	24.21	V

NR n78L, 20MHz, PI/2 BPSK, Channel 630668

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
8621.00	-54.21	8.46	13.02	-49.65	-13.00	36.65	V
10380.00	-52.16	9.77	13.05	-48.88	-13.00	35.88	H
12113.00	-49.31	10.31	13.05	-46.57	-13.00	33.57	V
13813.00	-44.50	10.63	14.39	-40.74	-13.00	27.74	H
15580.00	-44.66	11.49	13.70	-42.45	-13.00	29.45	H
17312.00	-40.02	12.39	14.49	-37.92	-13.00	24.92	V

NR n78L, 20MHz, PI/2 BPSK, Channel 633334

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
8744.00	-54.03	8.49	13.05	-49.47	-13.00	36.47	V
10523.00	-52.45	9.57	13.10	-48.92	-13.00	35.92	V
12232.00	-50.04	10.04	13.09	-46.99	-13.00	33.99	H
13991.00	-44.79	10.85	14.49	-41.15	-13.00	28.15	H
15771.00	-43.42	11.64	13.70	-41.36	-13.00	28.36	H
17501.00	-39.50	12.73	14.90	-37.33	-13.00	24.33	V

NR n78L, 20MHz, PI/2 BPSK, Channel 636000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
8840.00	-54.48	8.73	13.07	-50.14	-13.00	37.14	H
10637.00	-51.31	9.29	13.13	-47.47	-13.00	34.47	V
12414.00	-49.16	10.40	13.17	-46.39	-13.00	33.39	H
14138.00	-44.83	11.00	14.47	-41.36	-13.00	28.36	H
15908.00	-43.83	11.63	13.70	-41.76	-13.00	28.76	H
17713.00	-39.81	12.26	15.20	-36.87	-13.00	23.87	V

NR EN-DC B7-n78L, 20MHz, PI/2 BPSK, Channel 630668

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
7508.00	-54.81	8.36	12.21	-50.96	-25.00	25.96	V
7606.00	-50.40	8.00	12.28	-46.12	-25.00	21.12	V
10141.00	-48.21	9.40	12.96	-44.65	-25.00	19.65	V
12646.00	-48.36	10.39	13.29	-45.46	-25.00	20.46	H
15219.00	-44.28	11.38	13.87	-41.79	-25.00	16.79	H
17736.00	-39.65	12.38	15.23	-36.80	-25.00	11.80	V

NR EN-DC B7-n78L, 20MHz, PI/2 BPSK, Channel 633334

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
6455.00	-57.25	7.55	10.96	-53.84	-25.00	28.84	V
7606.00	-49.28	8.00	12.28	-45.00	-25.00	20.00	H
10141.00	-49.23	9.40	12.96	-45.67	-25.00	20.67	V
12655.00	-47.80	10.37	13.29	-44.88	-25.00	19.88	H
15232.00	-44.89	11.36	13.86	-42.39	-25.00	17.39	V
17757.00	-40.75	12.50	15.26	-37.99	-25.00	12.99	V

NR EN-DC B7-n78L, 20MHz, PI/2 BPSK, Channel 636000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
6722.00	-55.17	7.99	11.27	-51.89	-25.00	26.89	H
7606.00	-44.02	8.00	12.28	-39.74	-25.00	14.74	H
10140.00	-49.40	9.40	12.96	-45.84	-25.00	20.84	V
12645.00	-48.85	10.39	13.29	-45.95	-25.00	20.95	H
15190.00	-44.93	11.39	13.89	-42.43	-25.00	17.43	H
17770.00	-40.51	12.57	15.28	-37.80	-25.00	12.80	V

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 4.69$ dB, $k = 2$.

A.3 Frequency Stability

A.3.1 Method of Measurement

Frequency stability is a measure of the frequency drift due to temperature and supply voltage variations, with reference to the frequency measured at +20 °C and rated supply voltage. Two reference points are established at the applicable unwanted emissions limit using a RBW equal to the RBW required by the unwanted emissions specification of the applicable regulatory standard. These reference points measured using the lowest and highest channel of operation shall be identified as F_L and F_H respectively.

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a "call mode". This is accomplished with the use of MT8000A.

1. Measure the carrier frequency at room temperature.
2. Subject the EUT to overnight soak at -30°C.
3. With the EUT, powered via nominal voltage, connected to the MT8000A, and in a simulated call on middle channel for each NR band, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
4. Repeat the above measurements at 10°C increments from -30°C to +50°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1.5 hours unpowered, to allow any self-heating to stabilize, before continuing.
6. Subject the EUT to overnight soak at +50°C.
7. With the EUT, powered via nominal voltage, connected to the MT8000A and in a simulated call on the center channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
8. Repeat the above measurements at 10 °C decrements from +50°C to -30°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
9. At all temperature levels hold the temperature to +/- 0.5°C during the measurement procedure.

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. As this transceiver is considered "Hand carried, battery powered equipment" Section 2.1055(d)(2) applies. This requires that the lower voltage for frequency stability testing be specified by the manufacturer. This transceiver is specified to operate with an input voltage of the lower, higher and nominal voltage. Operation above or below these voltage limits is prohibited by transceiver software in order to prevent improper operation as well as to protect components from overstress.

A.3.2 Measurement results

n5

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	824.272	847.624		
50				-3.00	0.0036
40				0.30	0.0004
30				0.30	0.0004
10				1.50	0.0018
0				-1.10	0.0013
-10				-1.30	0.0016
-20				-2.10	0.0025
-30				1.30	0.0016

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	824.272	847.624	0.50	0.0006
4.4				-0.40	0.0005

n7

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	2500.304	2568.592		
50				-3.20	0.0013
40				-0.60	0.0002
30				-2.30	0.0009
10				-2.80	0.0011
0				4.40	0.0017
-10				-5.60	0.0022
-20				-4.40	0.0017
-30				-1.60	0.0006

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	2500.304	2568.592	-0.50	0.0002
4.4				-2.00	0.0008

n38
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	2570.624	2618.976		
50				-2.60	0.0010
40				-8.20	0.0032
30				-2.10	0.0008
10				-2.30	0.0009
0				-1.20	0.0005
-10				-1.20	0.0005
-20				0.50	0.0002
-30				1.00	0.0004

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	2570.624	2618.976	1.20	0.0005
4.4				6.00	0.0023

n41
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	2496.736	2688.128		
50				-11.70	0.0045
40				-4.30	0.0017
30				-10.10	0.0039
10				-7.70	0.0030
0				-0.90	0.0003
-10				4.80	0.0019
-20				-9.20	0.0035
-30				-10.30	0.0040

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	2496.736	2688.128	-10.20	0.0039
4.4				-8.50	0.0033

n77L
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	3450.752	3548.480		
50				7.50	0.0021
40				-8.20	0.0023
30				1.10	0.0003
10				2.50	0.0007
0				-2.90	0.0008
-10				0.70	0.0002
-20				4.50	0.0013
-30				10.50	0.0030

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	3450.752	3548.480	2.60	0.0007
4.4				2.70	0.0008

n77H
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	3700.464	3978.416		
50				-28.40	0.0074
40				-22.40	0.0058
30				-13.70	0.0036
10				-9.40	0.0024
0				-17.50	0.0046
-10				-13.20	0.0034
-20				-8.90	0.0023
-30				-9.50	0.0025

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	3700.464	3978.416	-18.40	0.0048
4.4				-12.20	0.0032

n78L
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	3450.752	3548.496		
50				-14.50	0.0041
40				-10.00	0.0029
30				-4.30	0.0012
10				-12.70	0.0036
0				-1.50	0.0004
-10				-8.10	0.0023
-20				-5.10	0.0015
-30				-5.80	0.0017

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	3450.752	3548.496	-0.60	0.0002
4.4				-1.80	0.0005

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 0.047\text{k Hz}$, $k = 2$.

A.4 Occupied Bandwidth

Occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the mid frequencies frequency. The table below lists the measured 99% BW. Spectrum analyzer plots are included on the following pages.

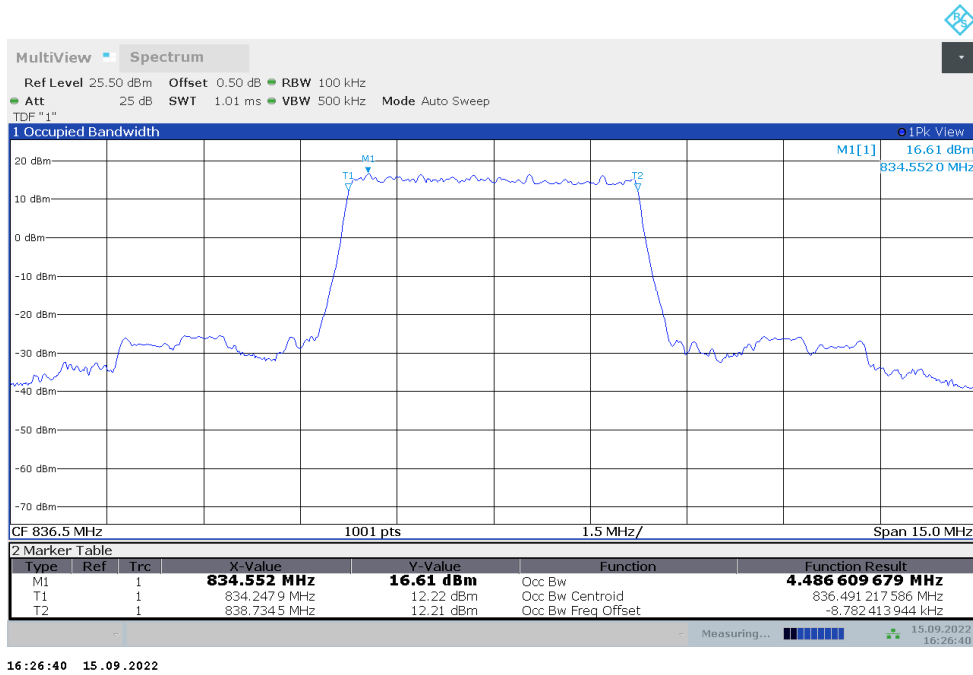
The measurement method is from ANSI C63.26:

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts.
- b) The nominal IF filter 3 dB bandwidth (RBW) shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times$ RBW.
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation.
- d) Set the detection mode to peak, and the trace mode to max-hold.

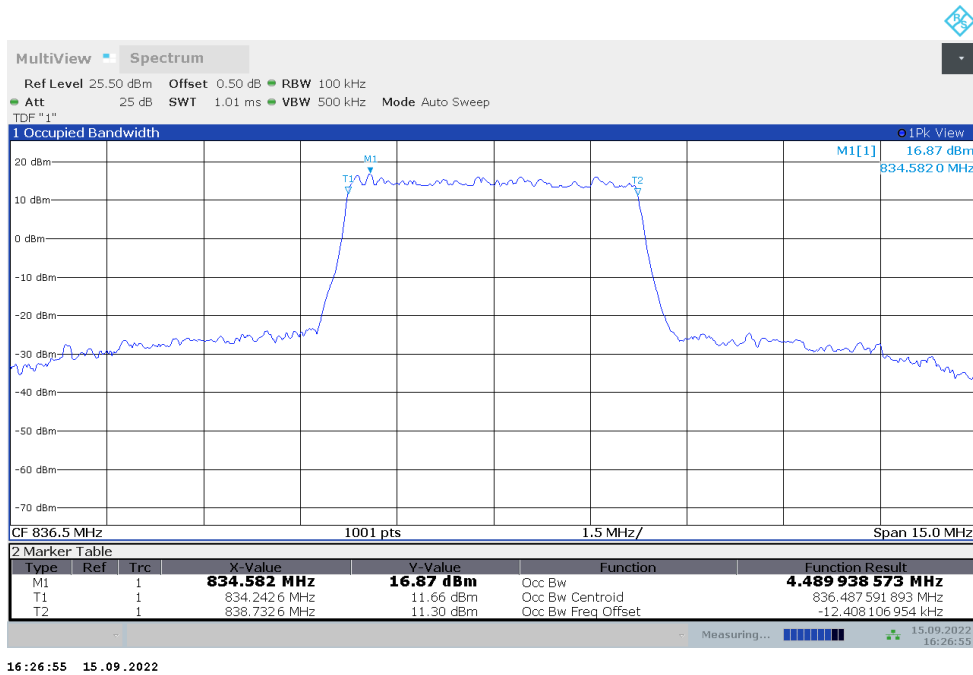
n5
n5,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	4.487	4.490

n5,5MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

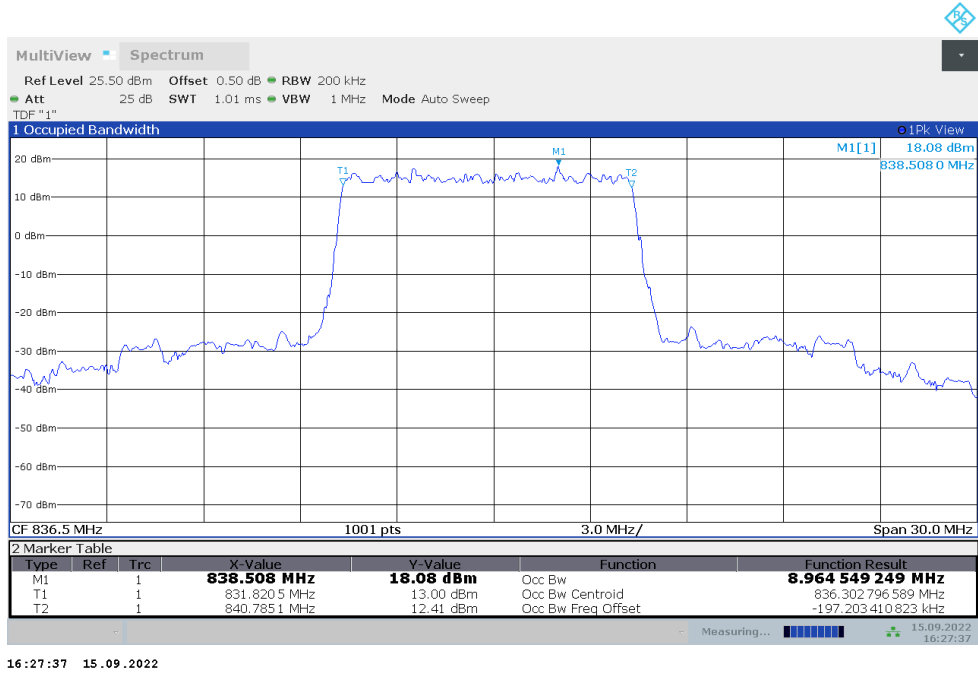
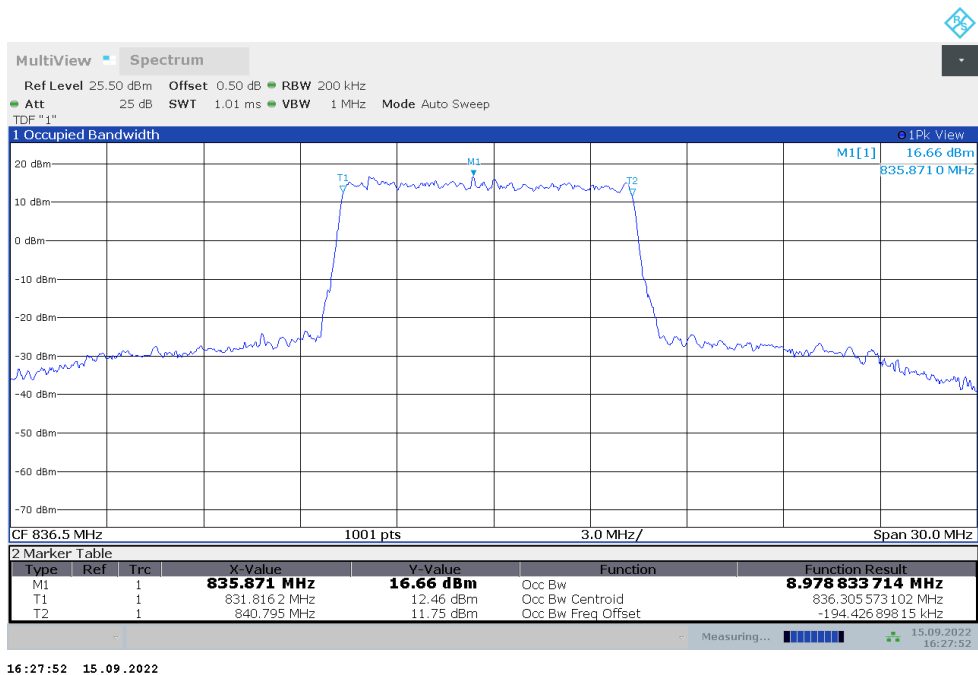


n5,5MHz Bandwidth,DFT-s-QPSK (99% BW)



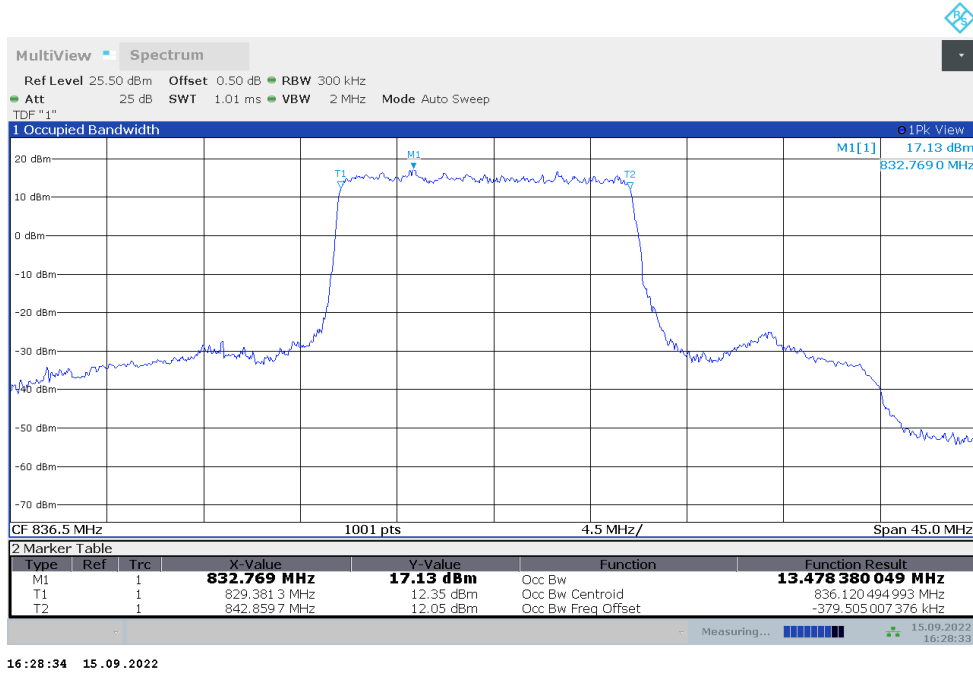
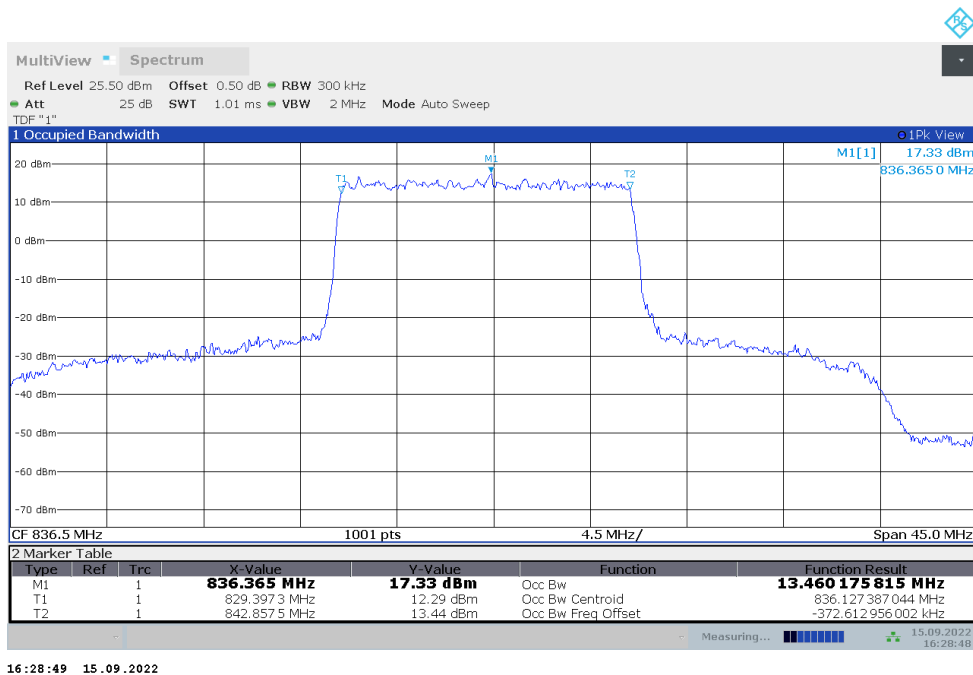
n5,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	8.965	8.979

n5,10MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n5,10MHz Bandwidth,DFT-s-QPSK (99% BW)


n5,15MHz(99%)

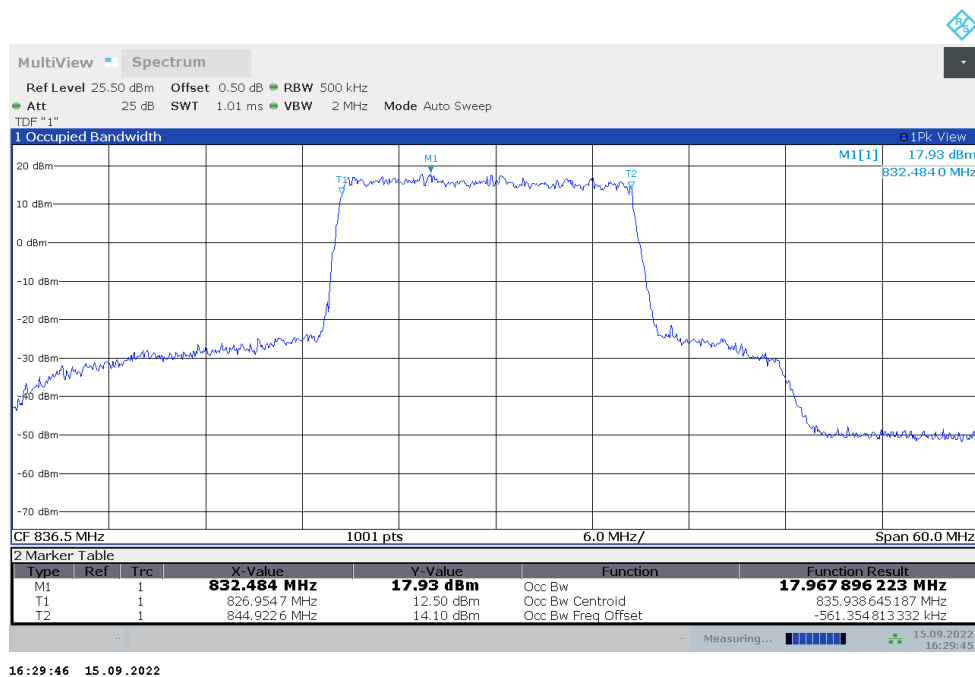
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	13.478	13.460

n5,15MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n5,15MHz Bandwidth,DFT-s-QPSK (99% BW)


n5,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	17.967	17.968

n5,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n5,20MHz Bandwidth,DFT-s-QPSK (99% BW)


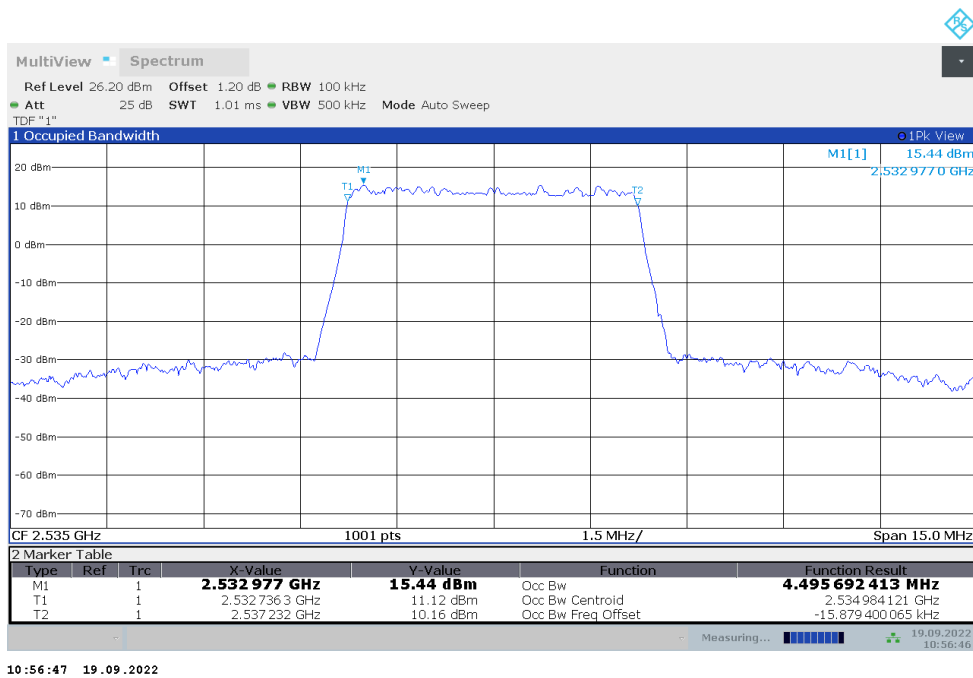
n7
n7,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	4.505	4.496

n7,5MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

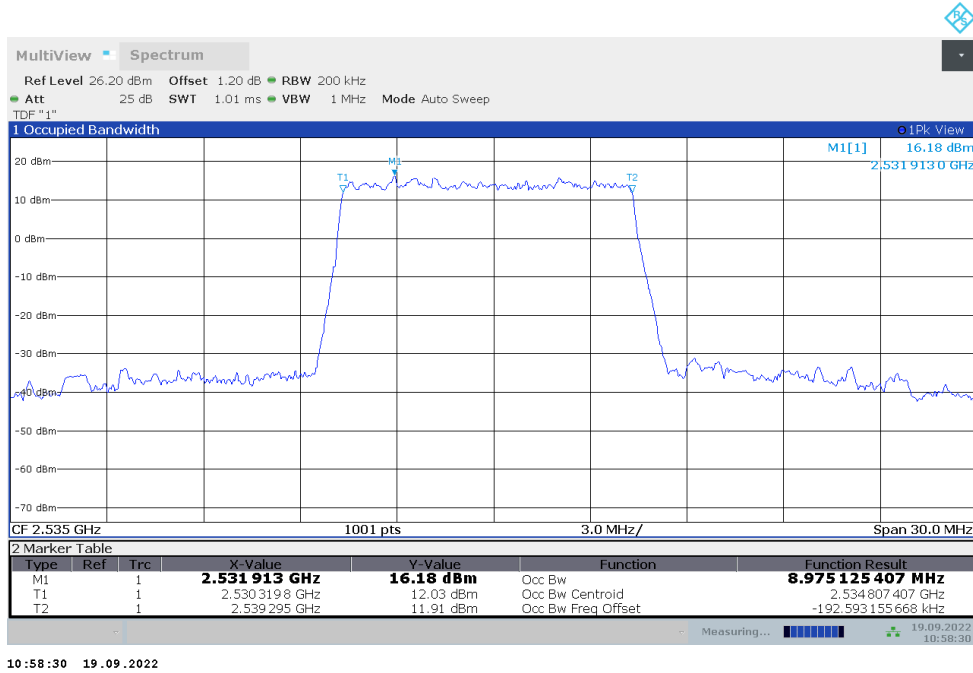
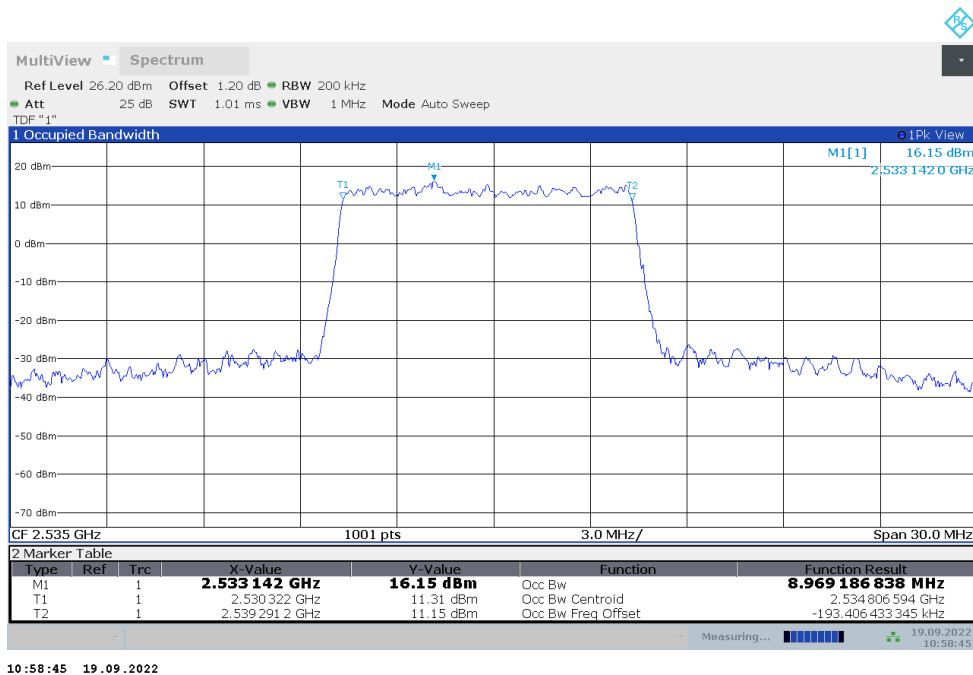


n7,5MHz Bandwidth,DFT-s-QPSK (99% BW)



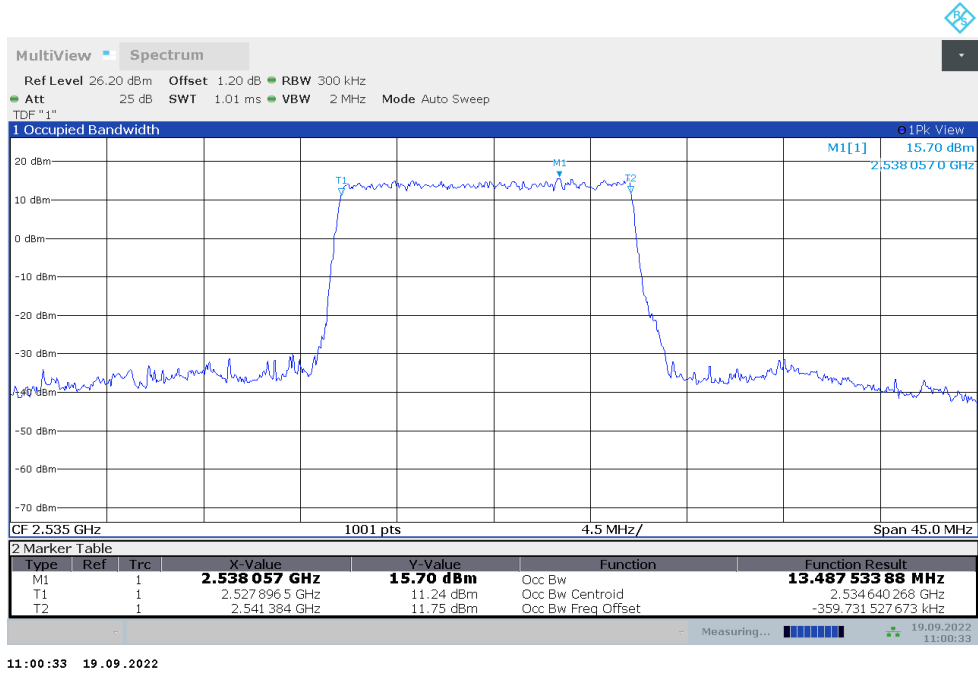
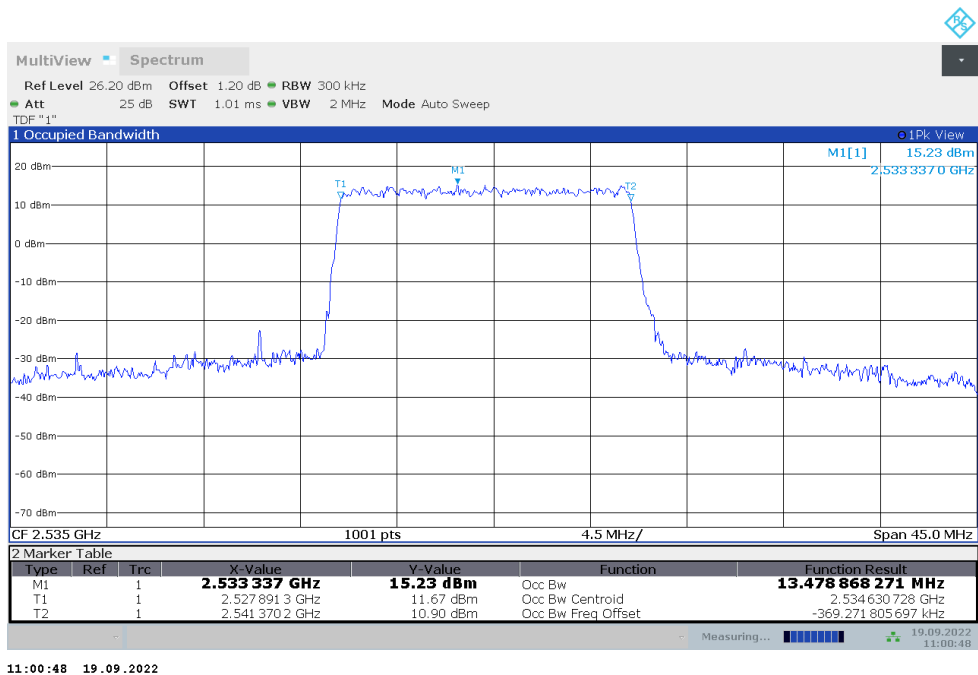
n7,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	8.975	8.969

n7,10MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n7,10MHz Bandwidth,DFT-s-QPSK (99% BW)


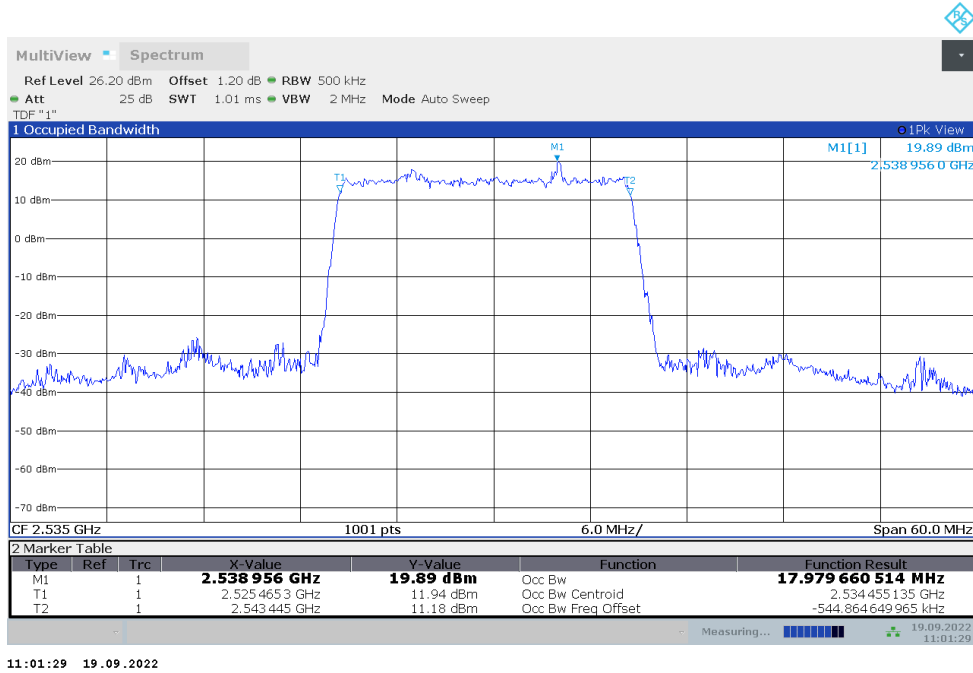
n7,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	13.488	13.479

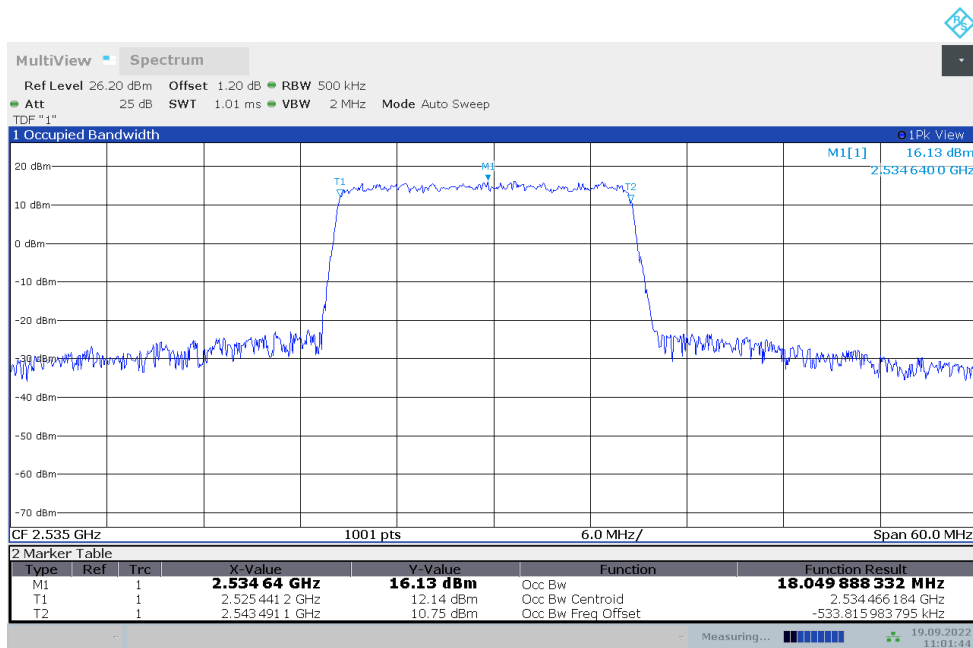
n7,15MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n7,15MHz Bandwidth,DFT-s-QPSK (99% BW)


n7,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	17.980	18.050

n7,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)


11:01:29 19.09.2022

n7,20MHz Bandwidth,DFT-s-QPSK (99% BW)


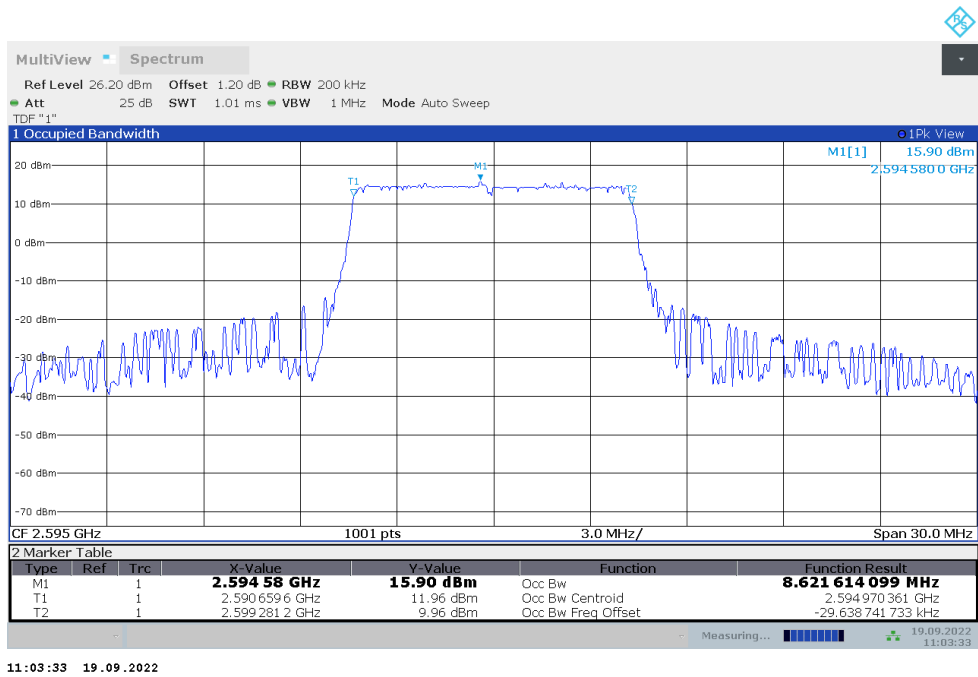
11:01:44 19.09.2022

n38

n38,10MHz(99%)

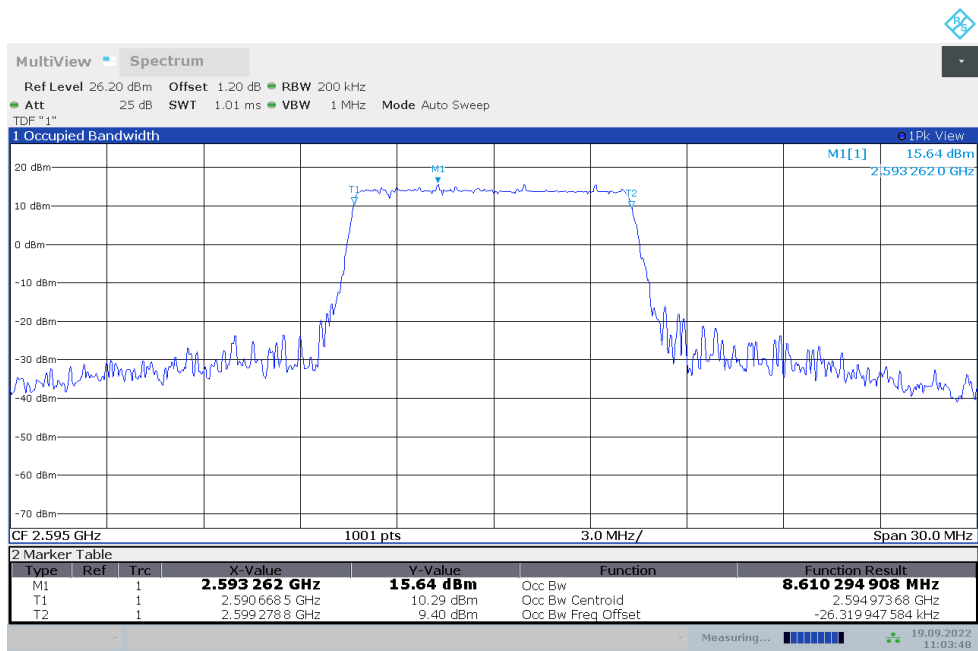
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2595	8.622	8.610

n38,10MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



11:03:33 19.09.2022

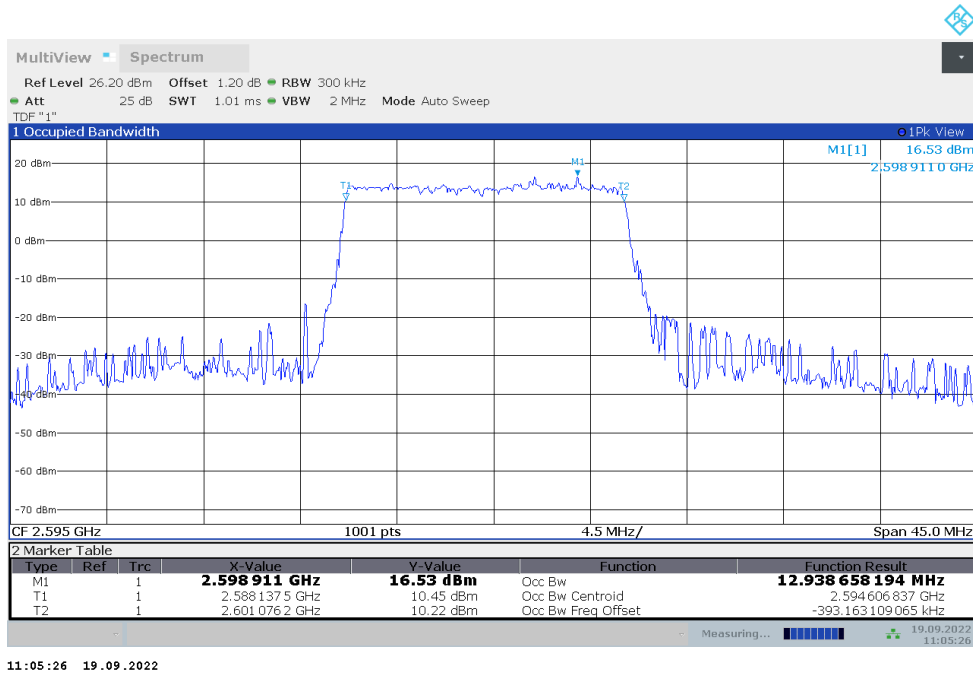
n38,10MHz Bandwidth,DFT-s-QPSK (99% BW)



11:03:48 19.09.2022

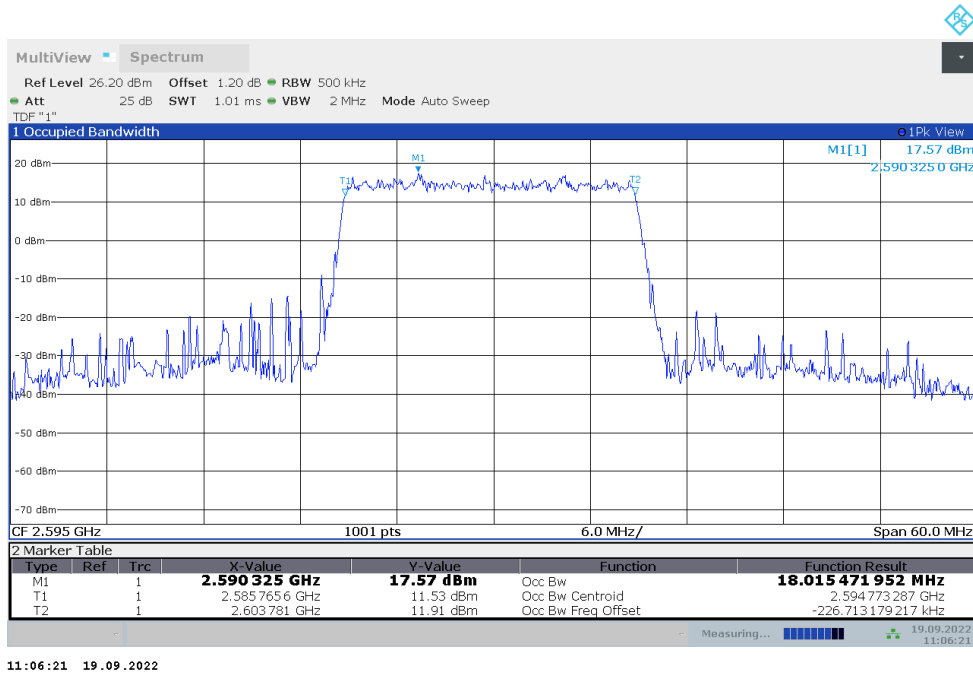
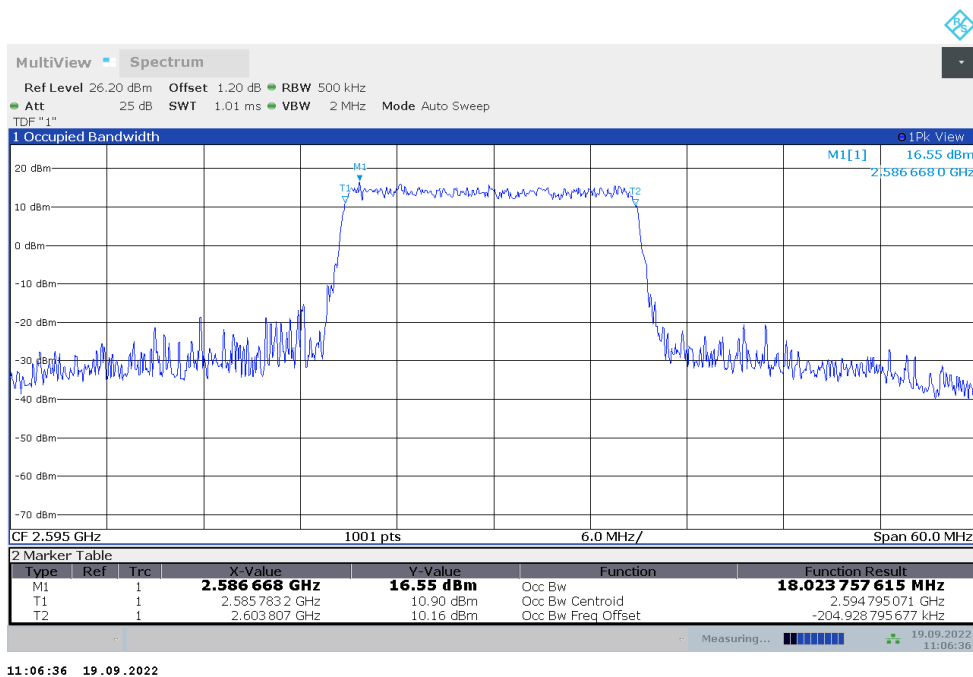
n38,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2595	12.939	12.928

n38,15MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n38,15MHz Bandwidth,DFT-s-QPSK (99% BW)


n38,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2595	18.015	18.024

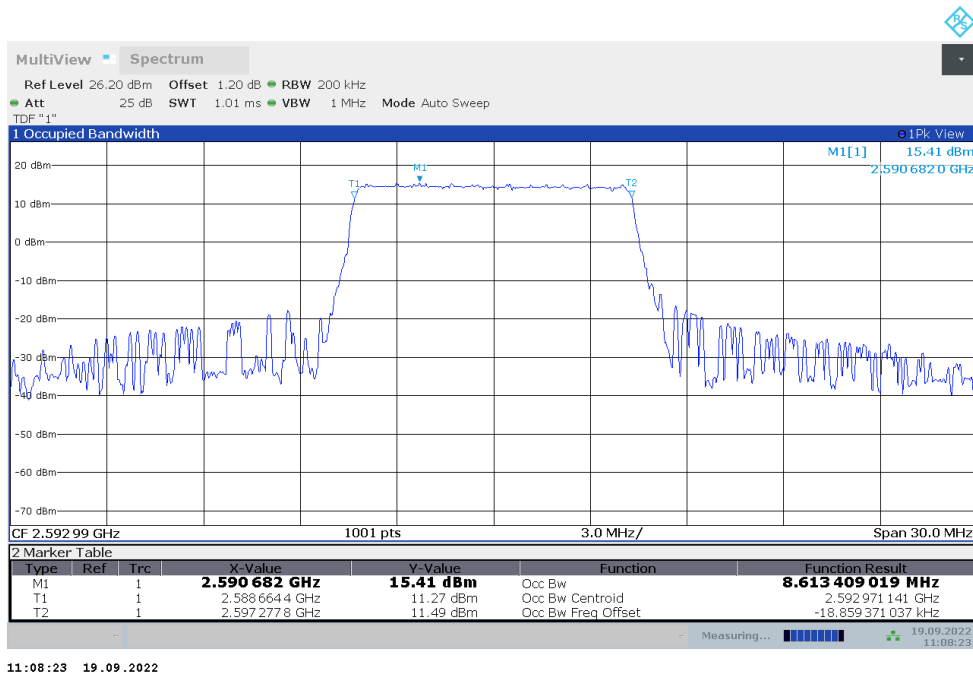
n38,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n38,20MHz Bandwidth,DFT-s-QPSK (99% BW)


n41

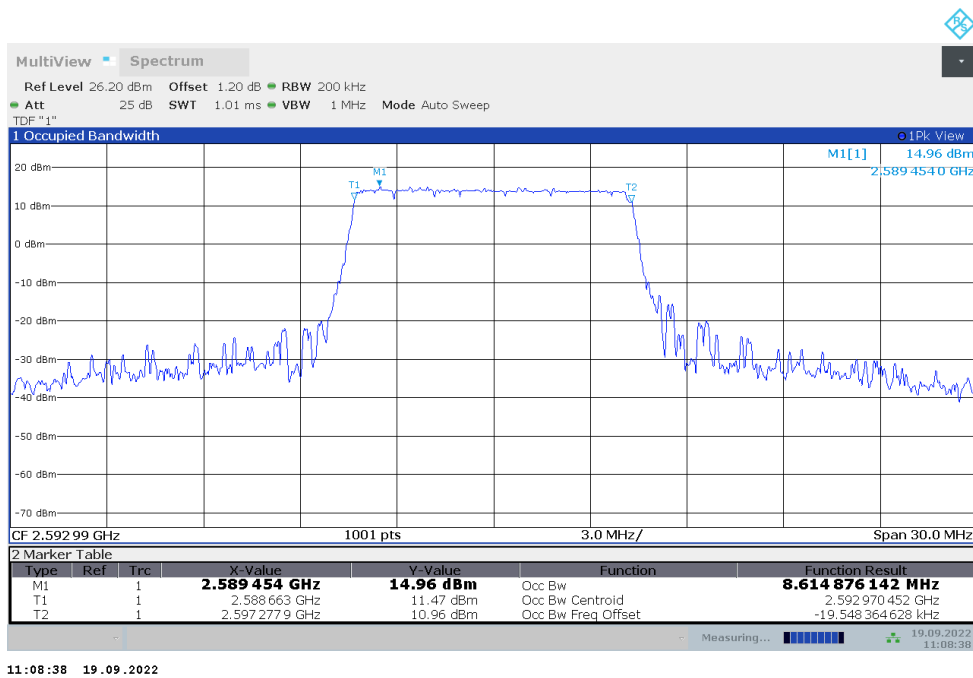
n41,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	8.613	8.615

n41,10MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

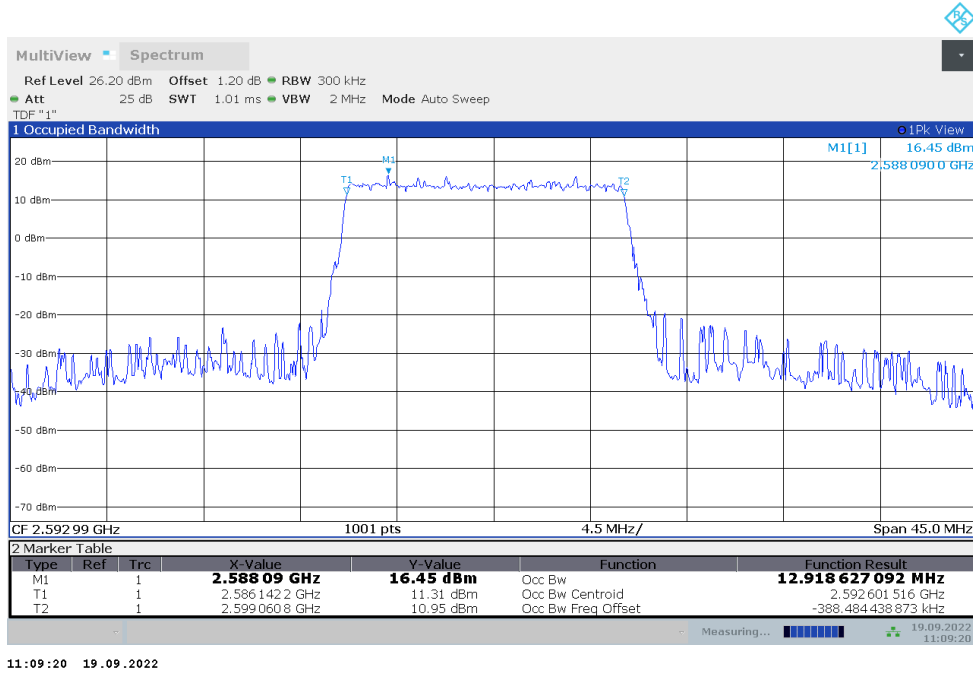
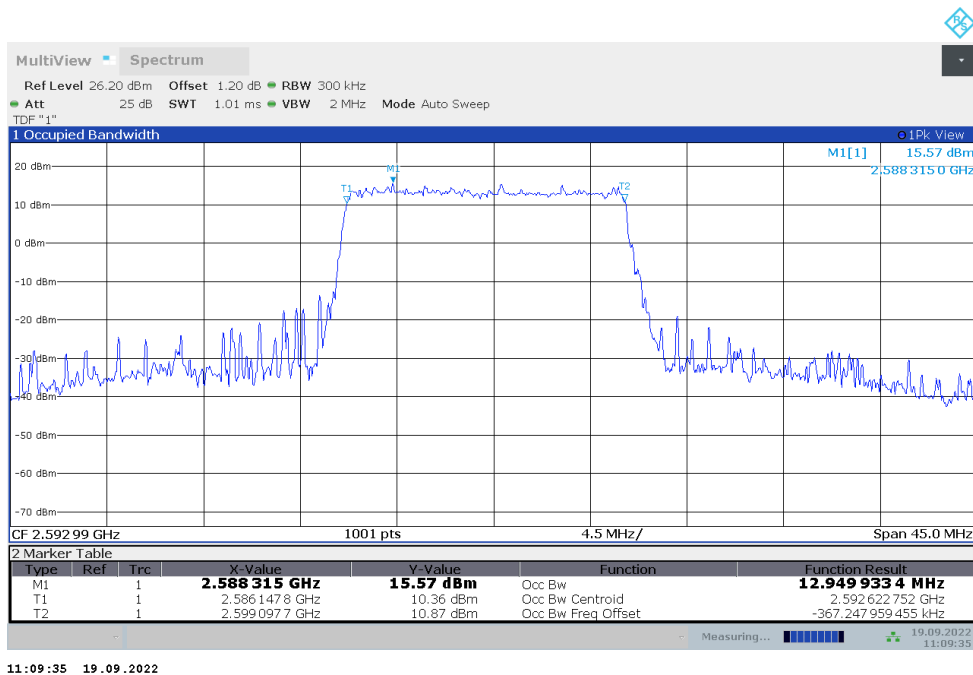


n41,10MHz Bandwidth,DFT-s-QPSK (99% BW)



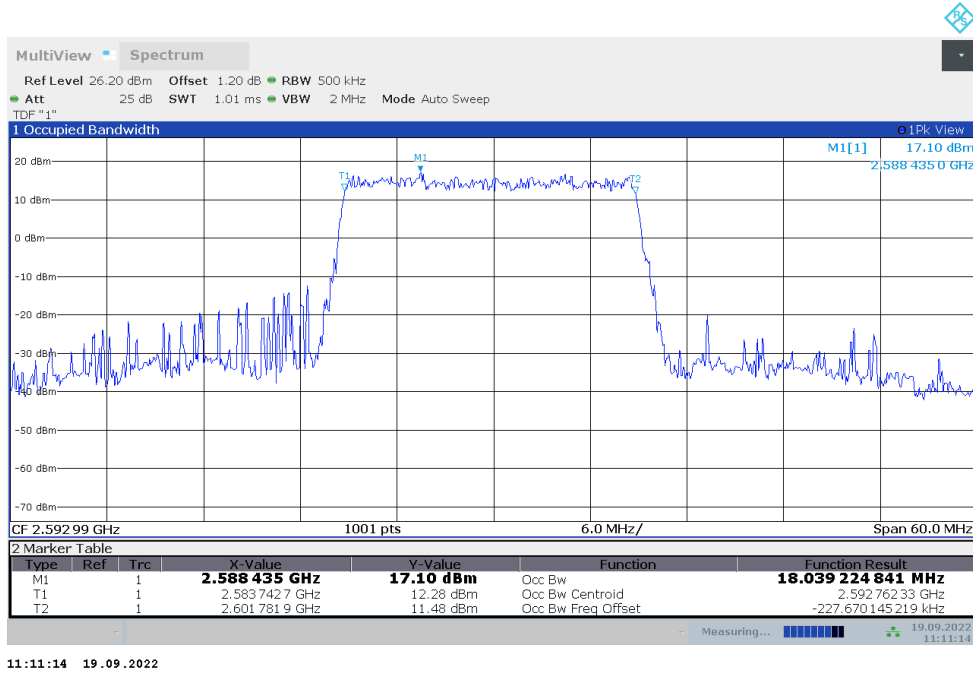
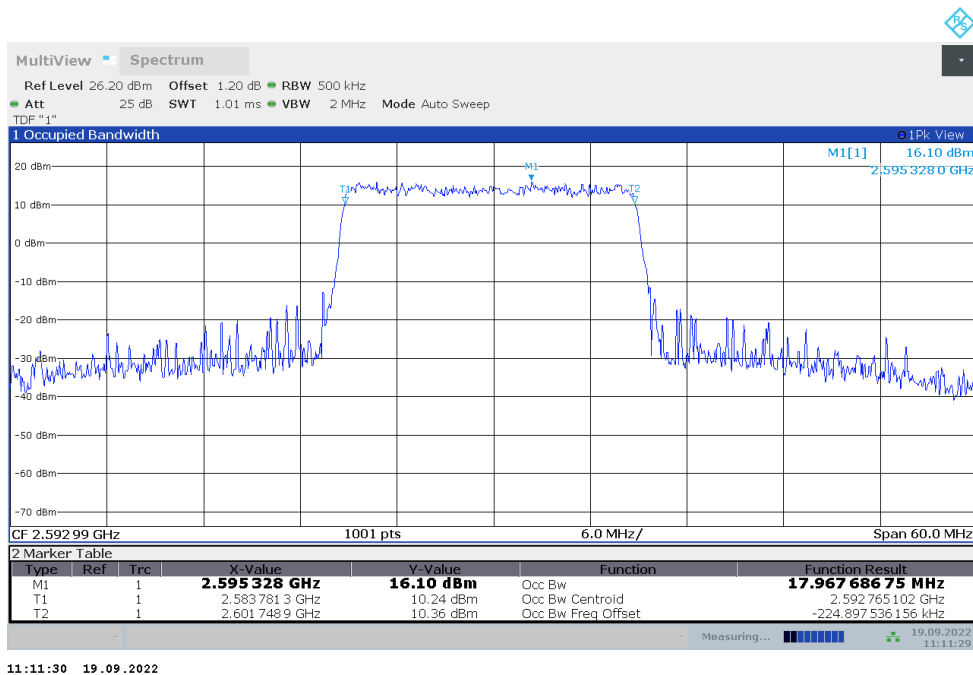
n41,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	12.919	12.950

n41,15MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n41,15MHz Bandwidth,DFT-s-QPSK (99% BW)


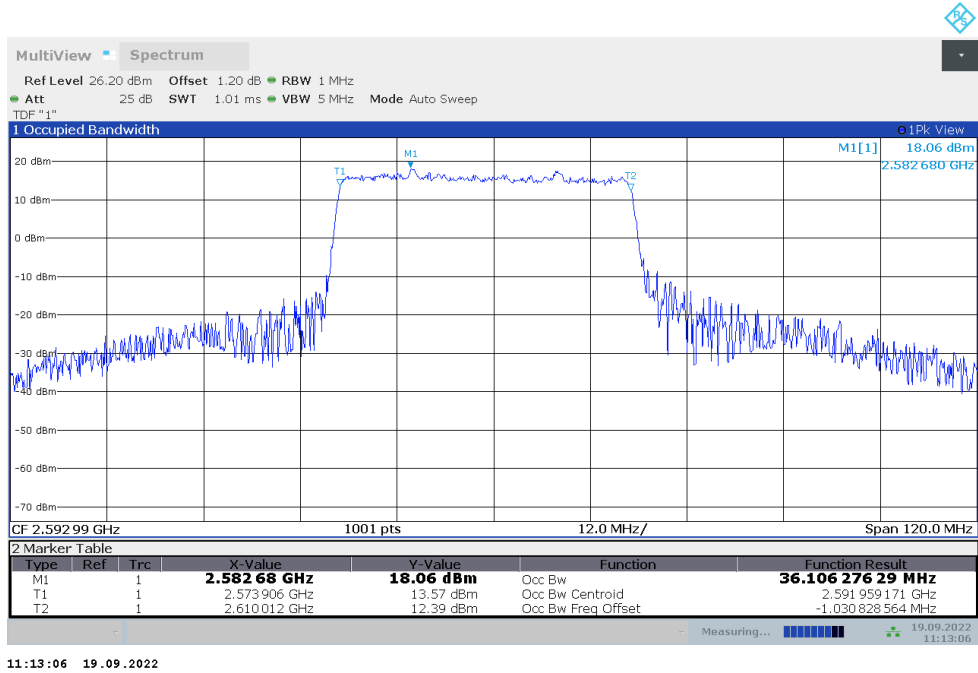
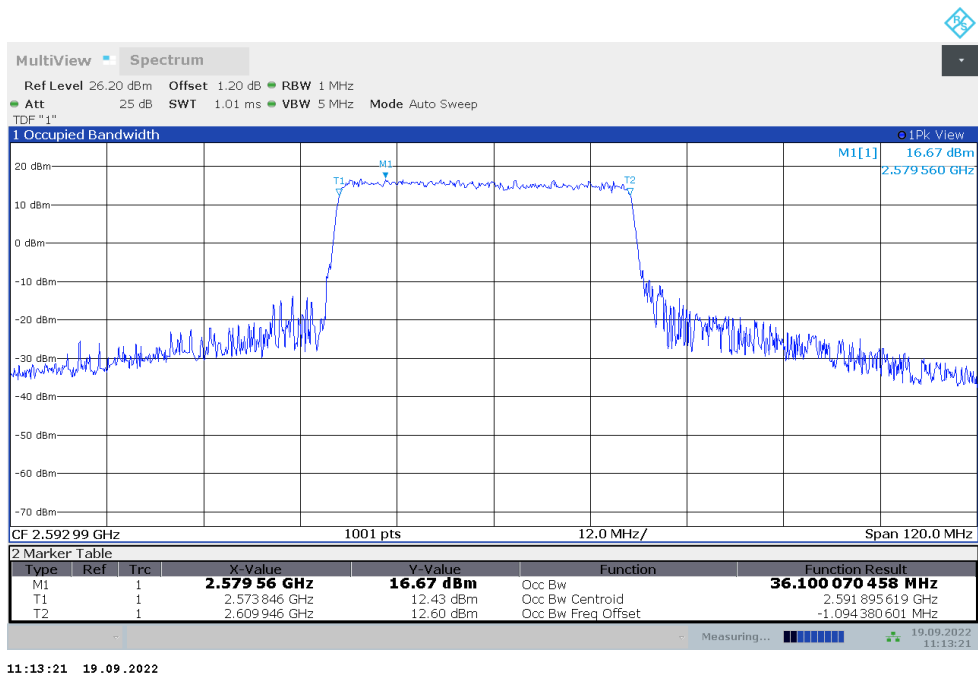
n41,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	18.039	17.968

n41,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n41,20MHz Bandwidth,DFT-s-QPSK (99% BW)


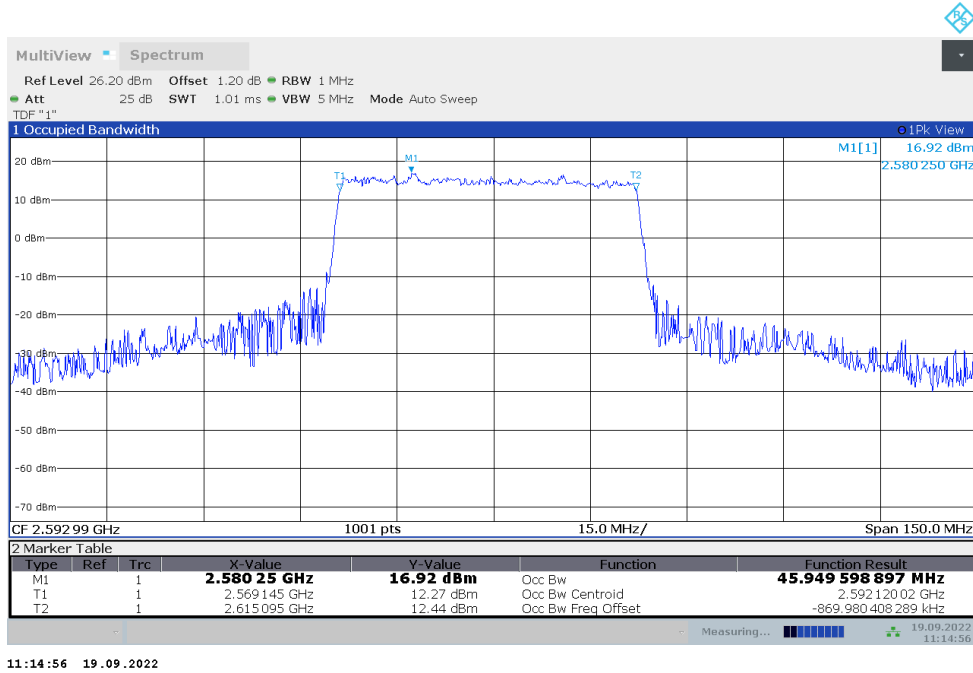
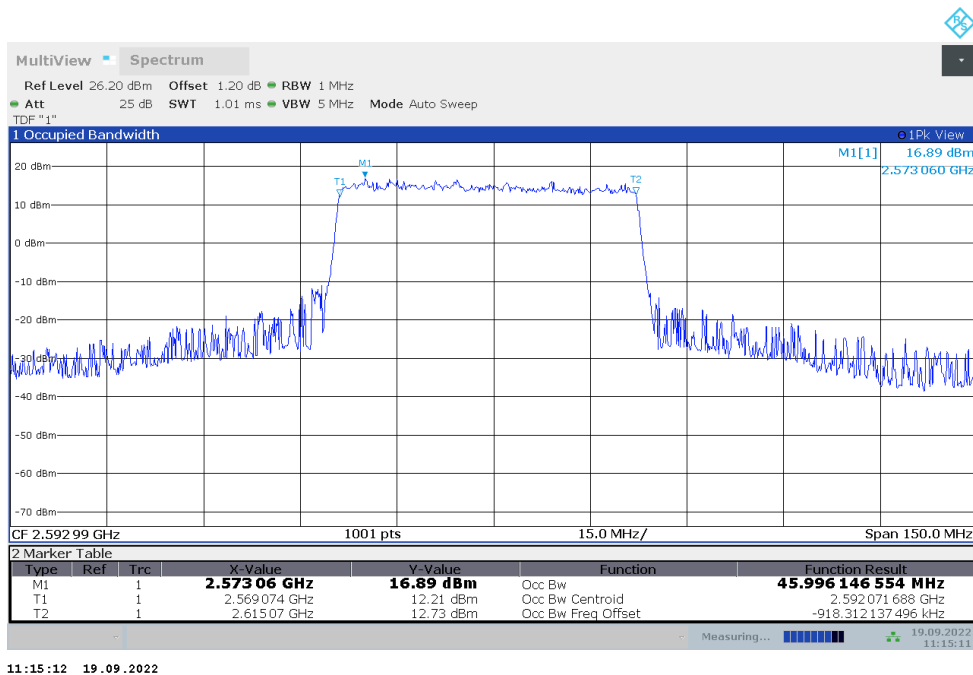
n41,40MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	36.106	36.100

n41,40MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n41,40MHz Bandwidth,DFT-s-QPSK (99% BW)


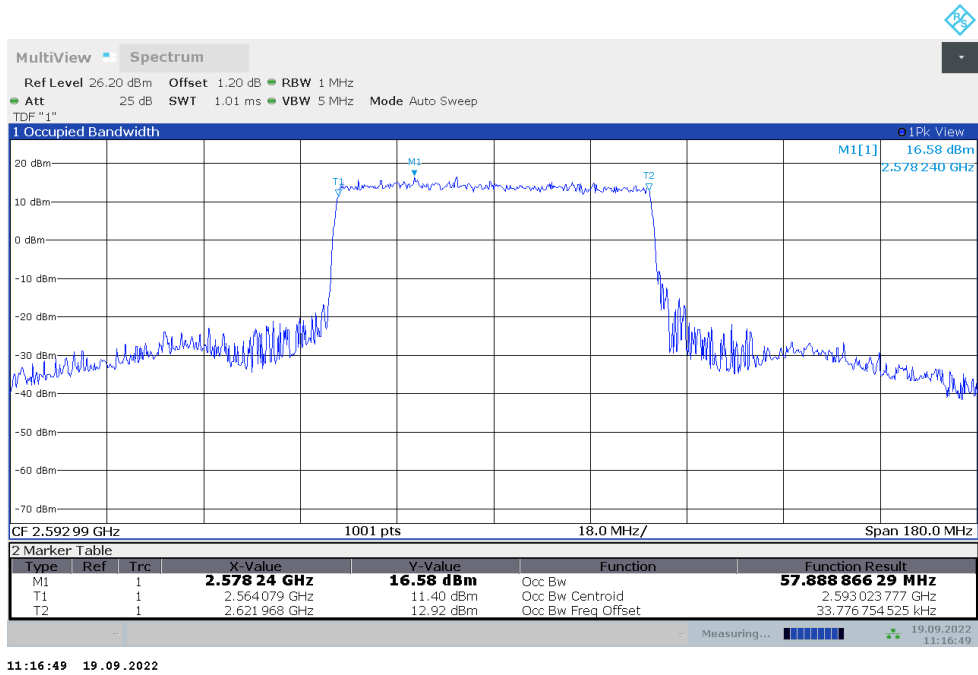
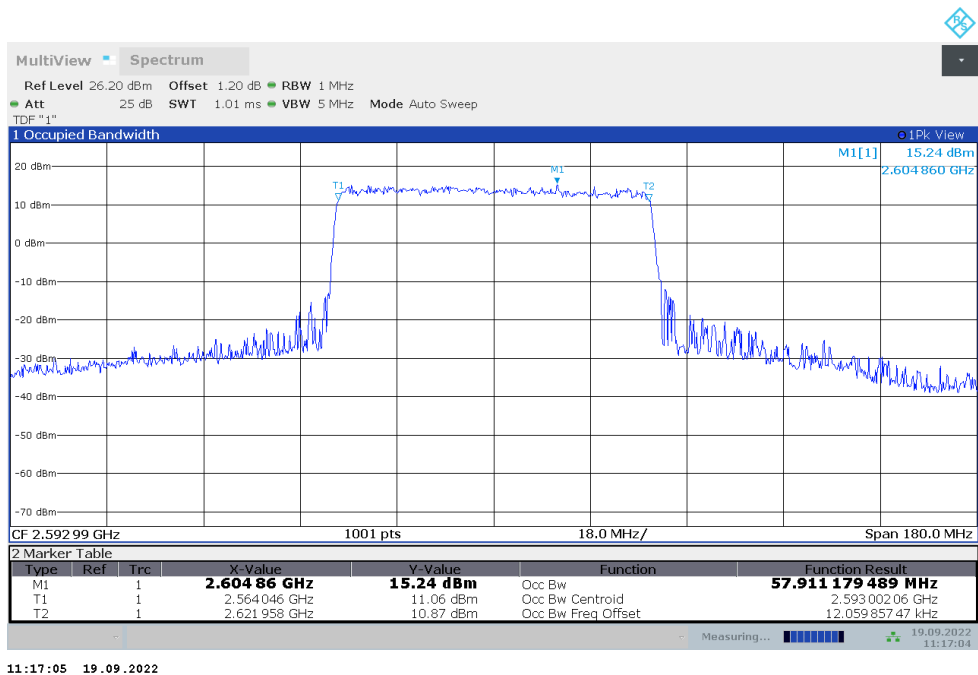
n41,50MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	45.950	45.996

n41,50MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n41,50MHz Bandwidth,DFT-s-QPSK (99% BW)


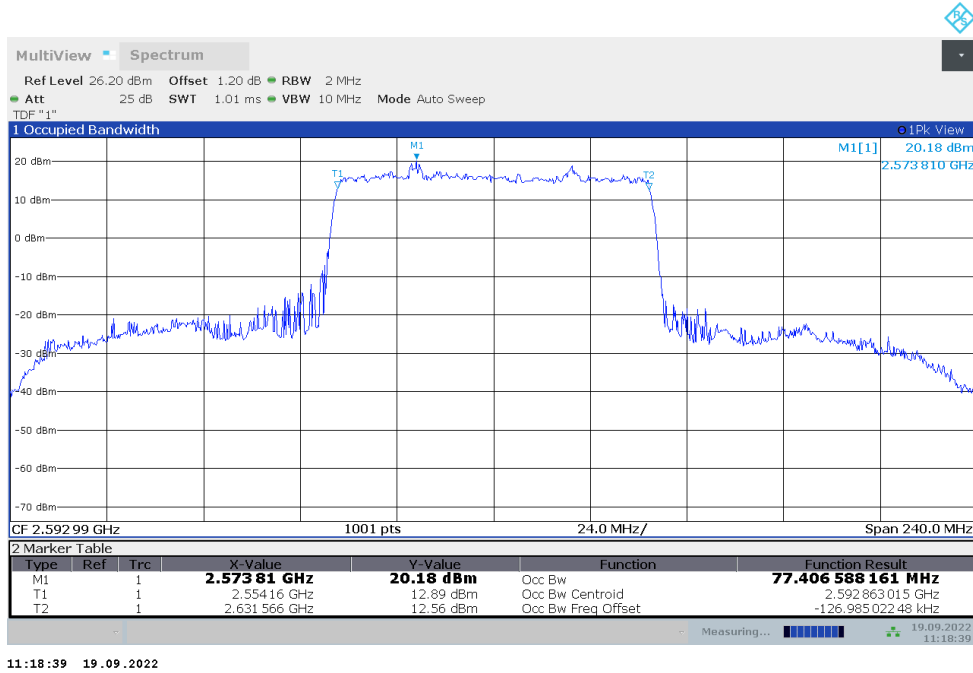
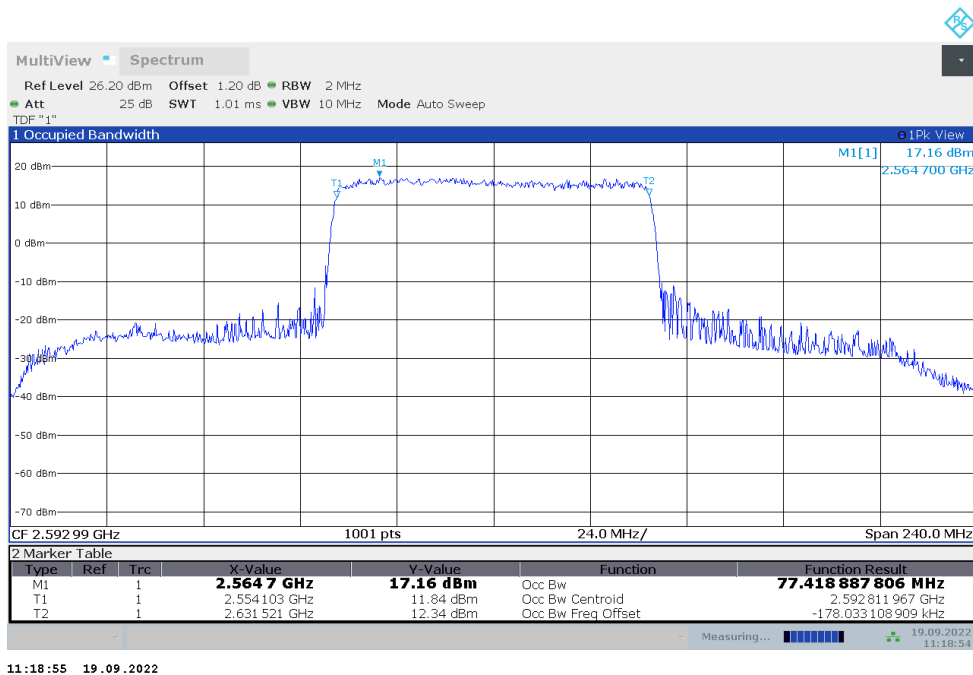
n41,60MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	57.889	57.911

n41,60MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n41,60MHz Bandwidth,DFT-s-QPSK (99% BW)


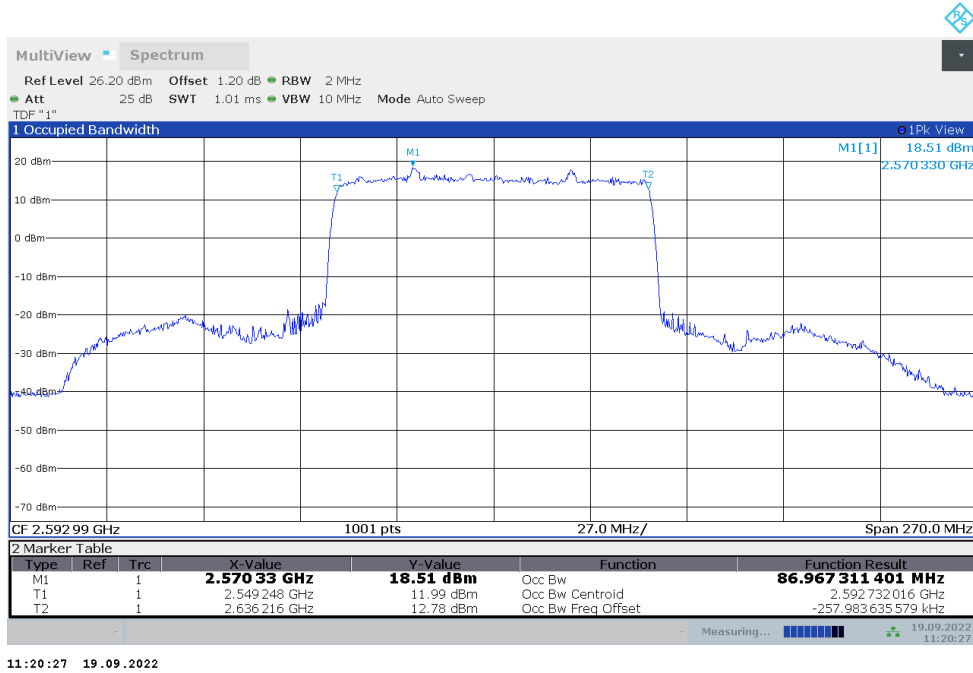
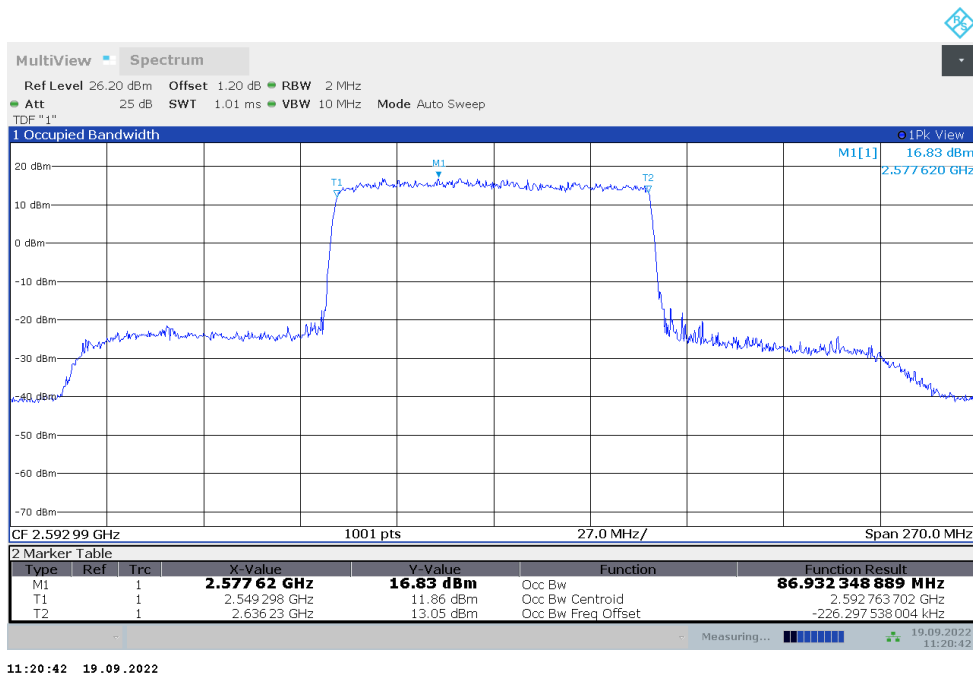
n41,80MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	77.407	77.419

n41,80MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n41,80MHz Bandwidth,DFT-s-QPSK (99% BW)


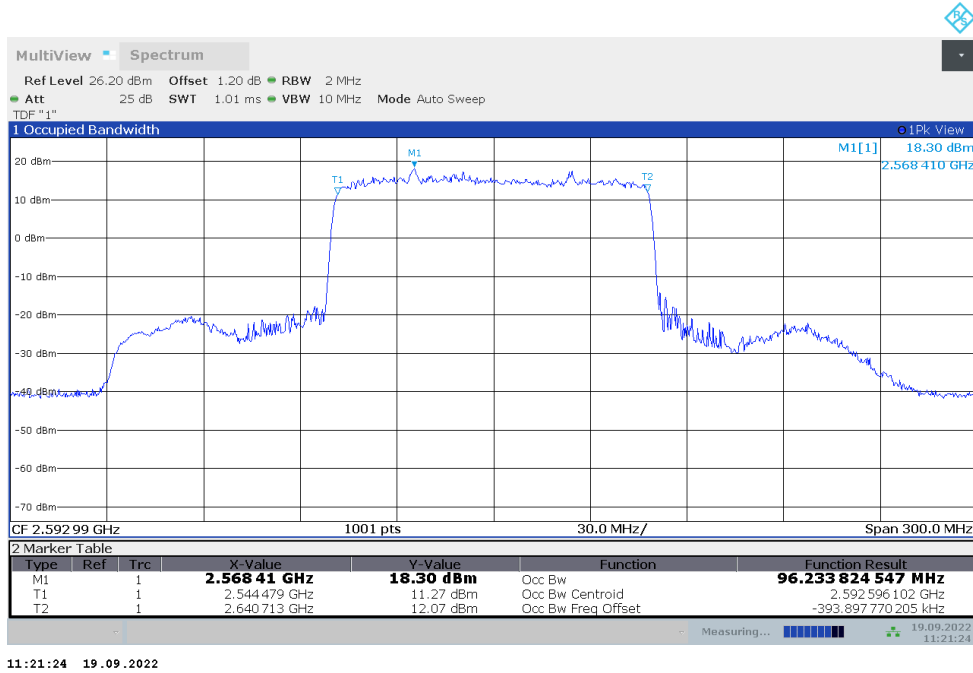
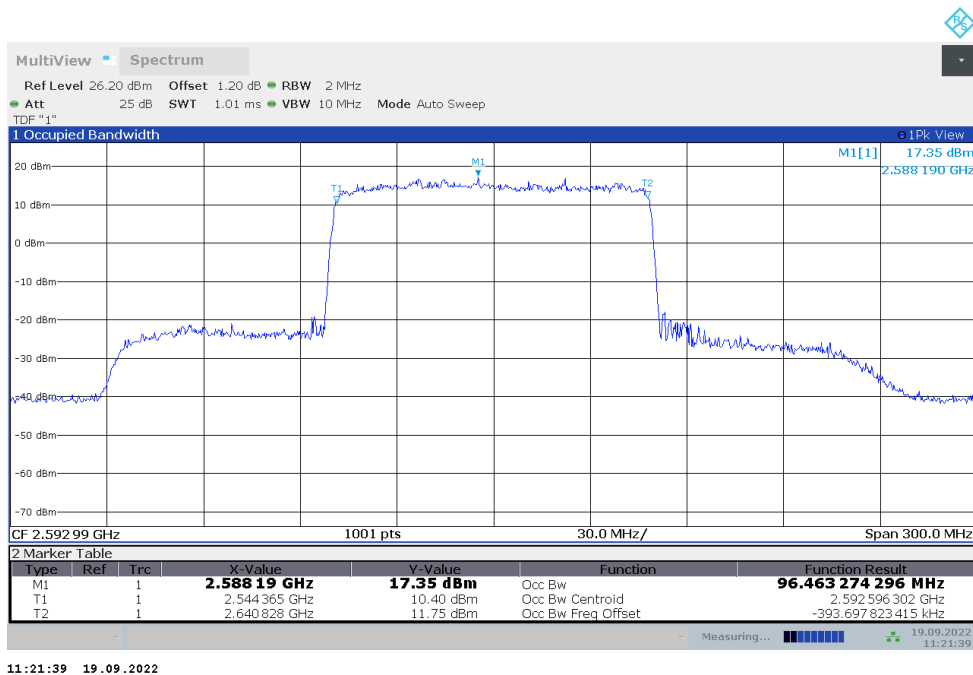
n41,90MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	86.967	86.932

n41,90MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n41,90MHz Bandwidth,DFT-s-QPSK (99% BW)


n41,100MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	96.234	96.463

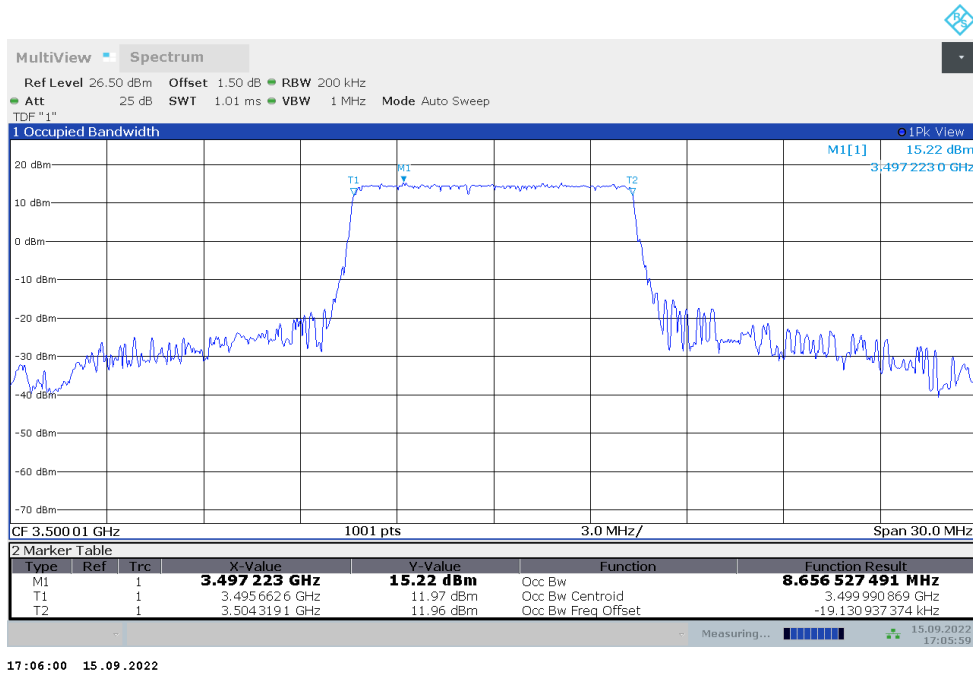
n41,100MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n41,100MHz Bandwidth,DFT-s-QPSK (99% BW)


n77L

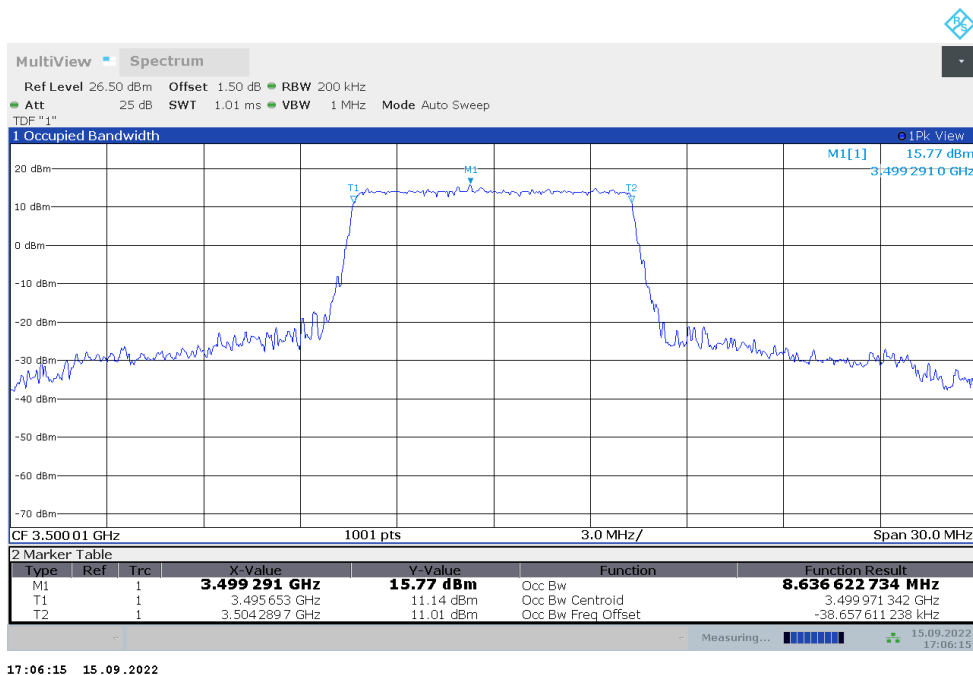
n77L,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	8.657	8.637

n77L,10MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

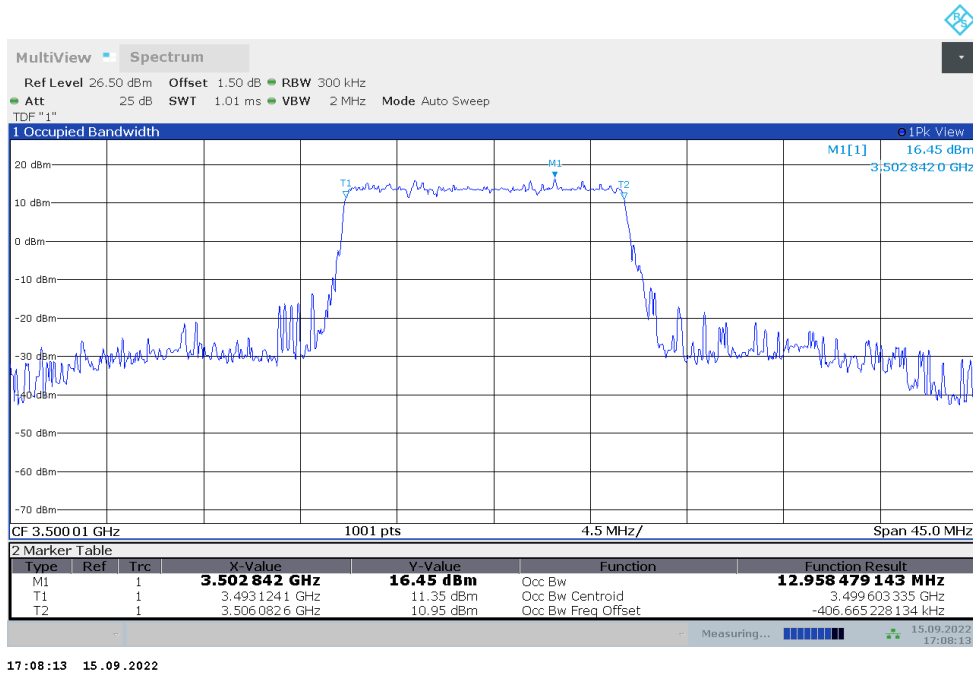


n77L,10MHz Bandwidth,DFT-s-QPSK (99% BW)

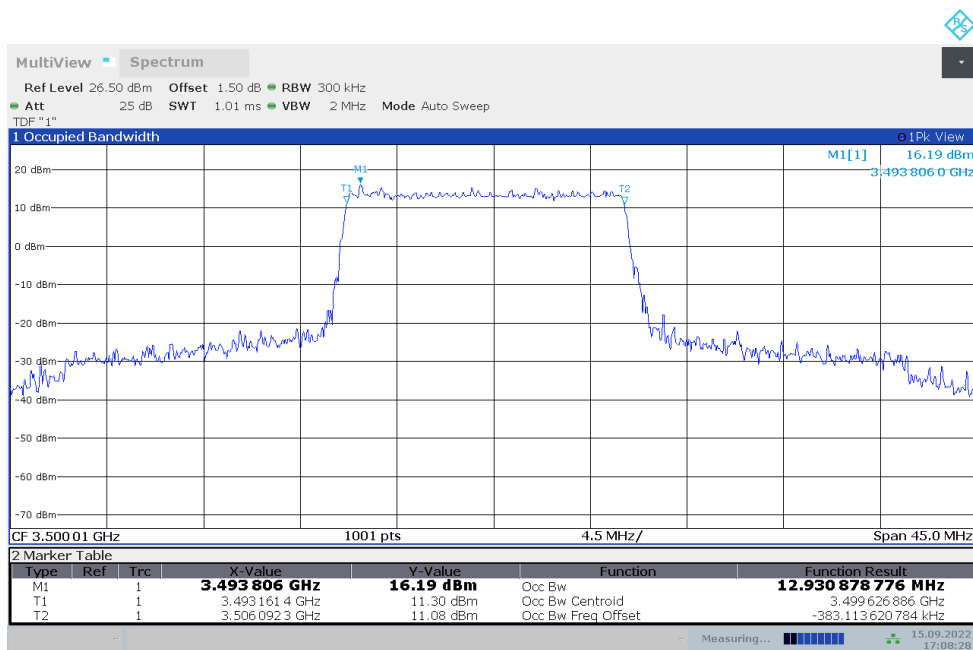


n77L,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	12.958	12.931

n77L,15MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)


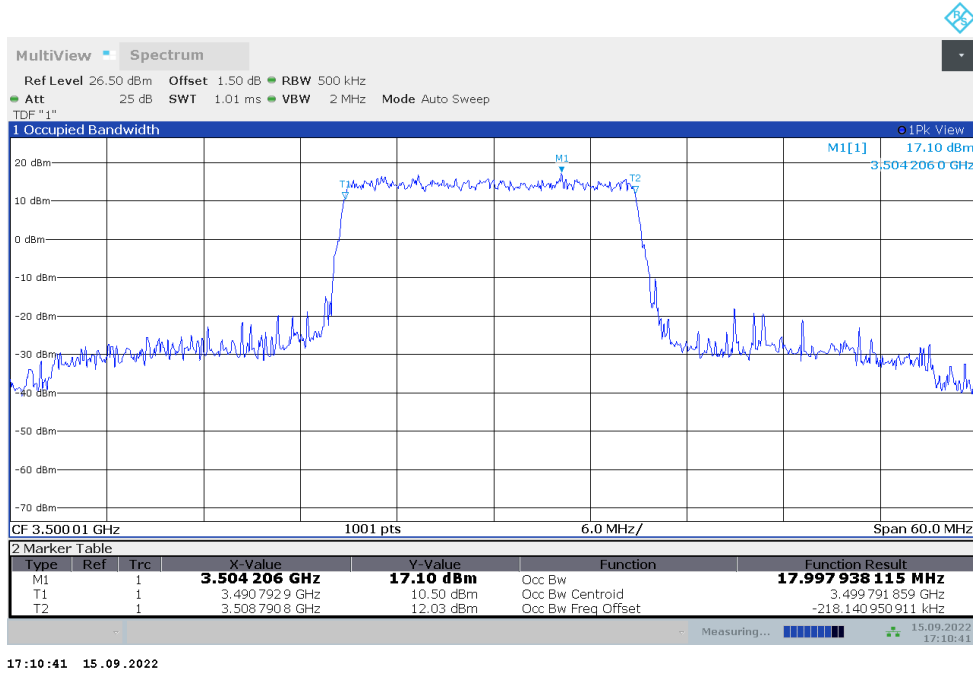
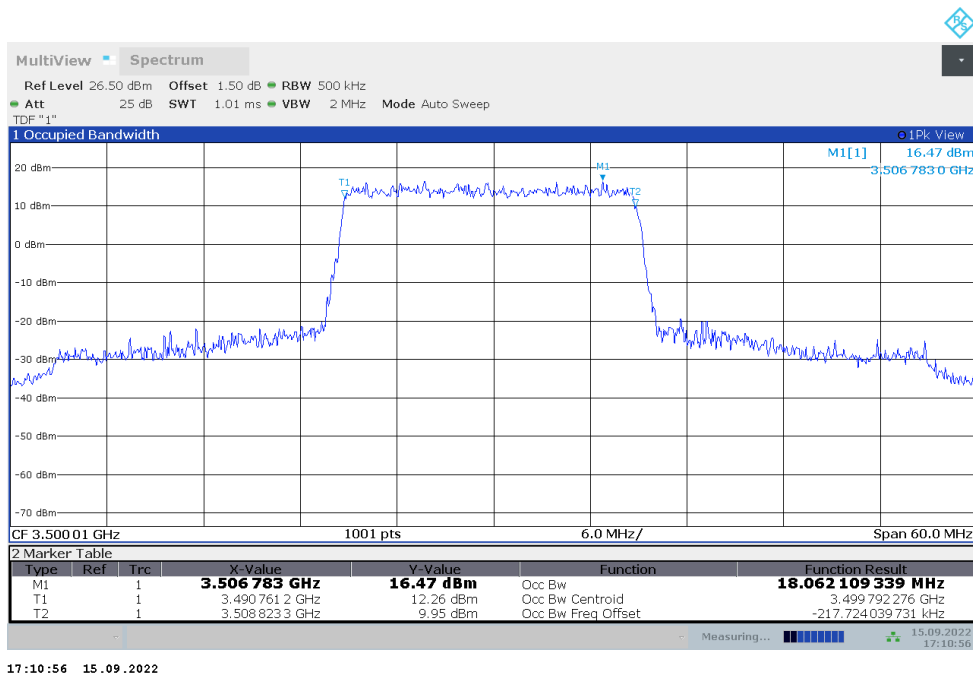
17:08:13 15.09.2022

n77L,15MHz Bandwidth,DFT-s-QPSK (99% BW)


17:08:28 15.09.2022

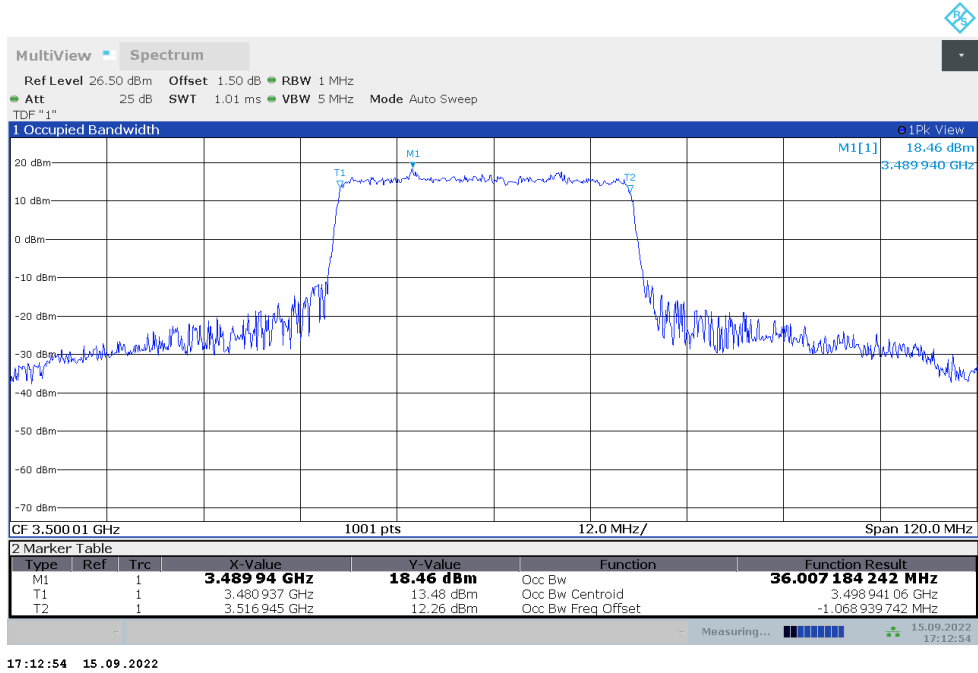
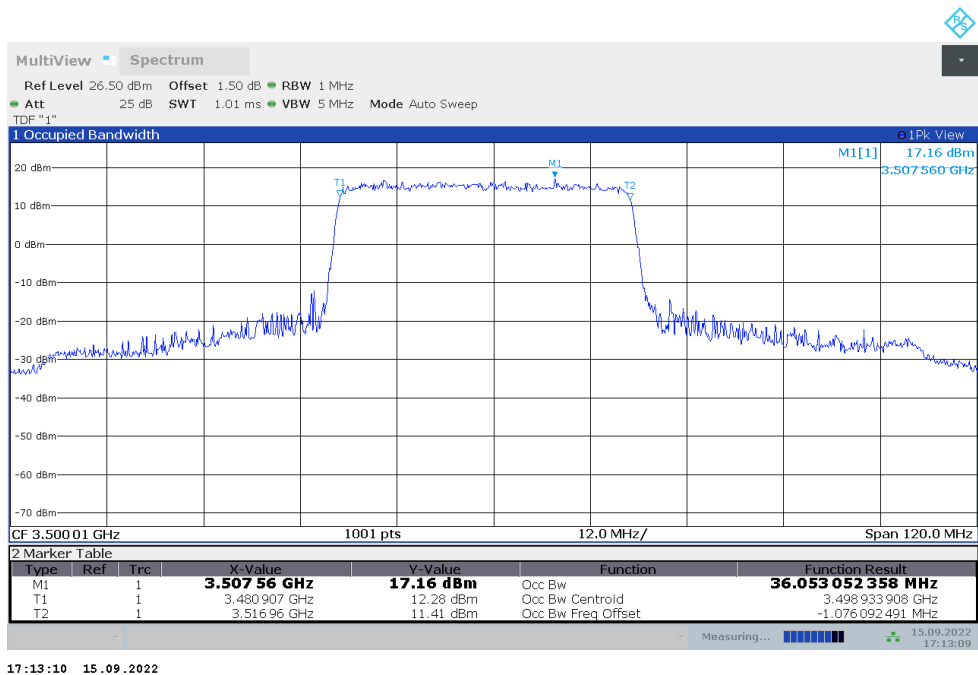
n77L,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	17.998	18.062

n77L,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n77L,20MHz Bandwidth,DFT-s-QPSK (99% BW)


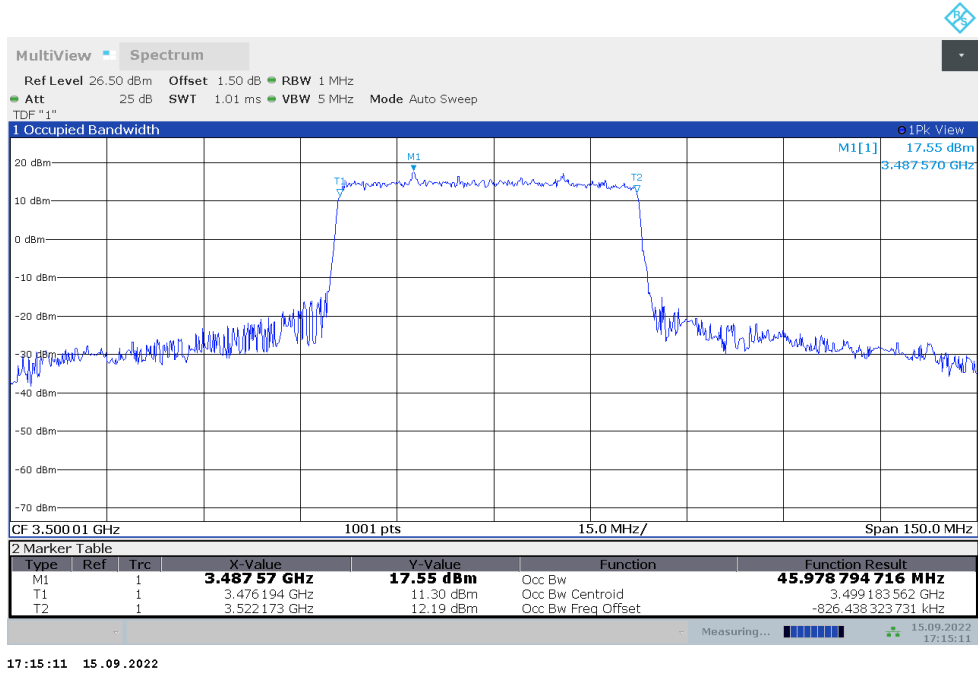
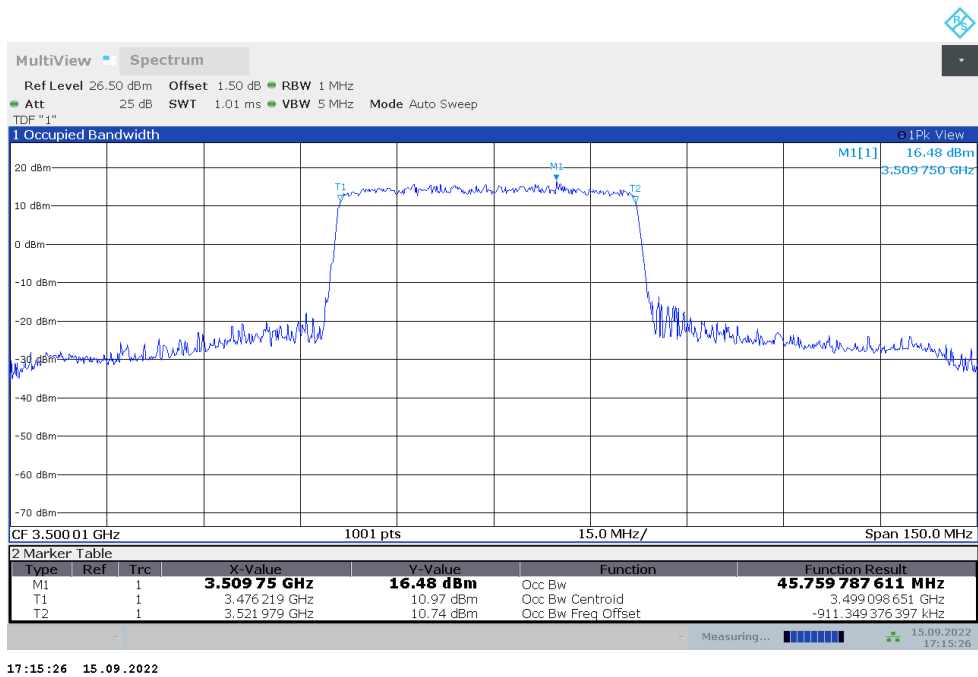
n77L,40MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	36.007	36.053

n77L,40MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n77L,40MHz Bandwidth,DFT-s-QPSK (99% BW)


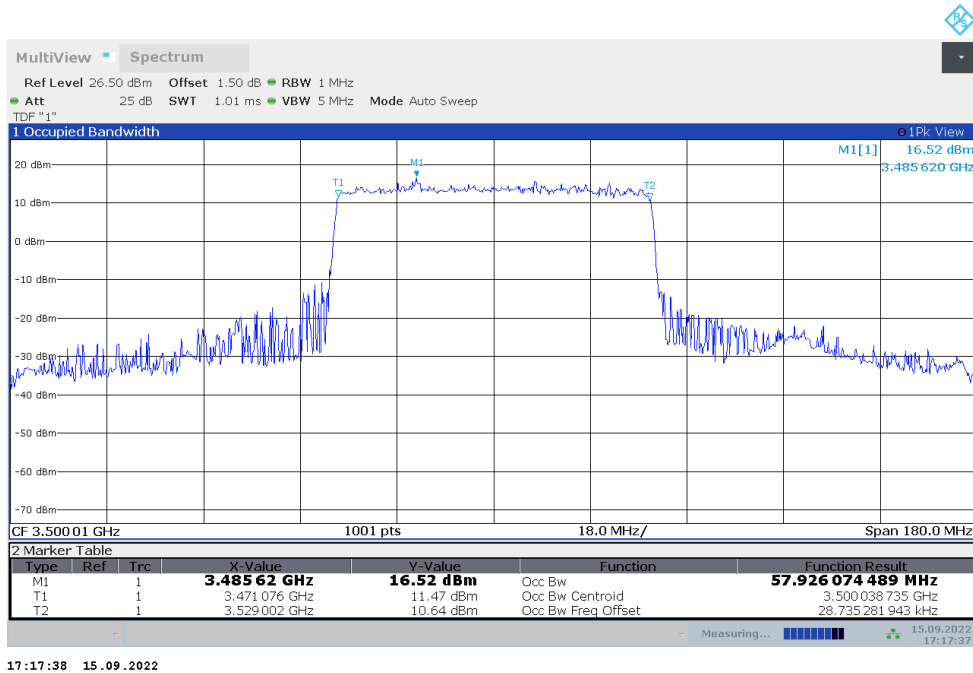
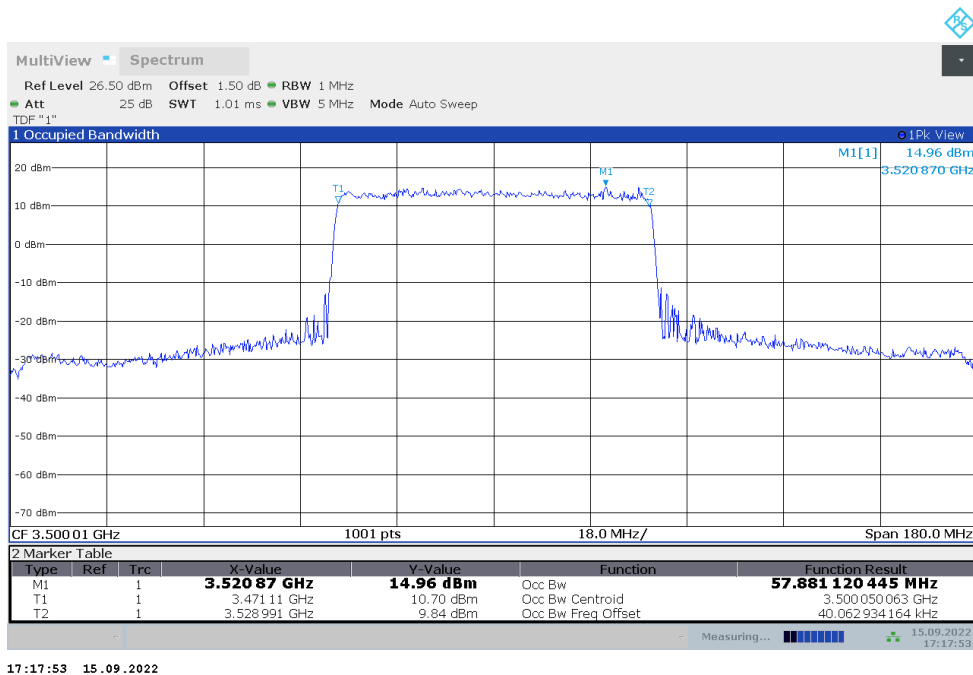
n77L,50MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	45.979	45.760

n77L,50MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n77L,50MHz Bandwidth,DFT-s-QPSK (99% BW)


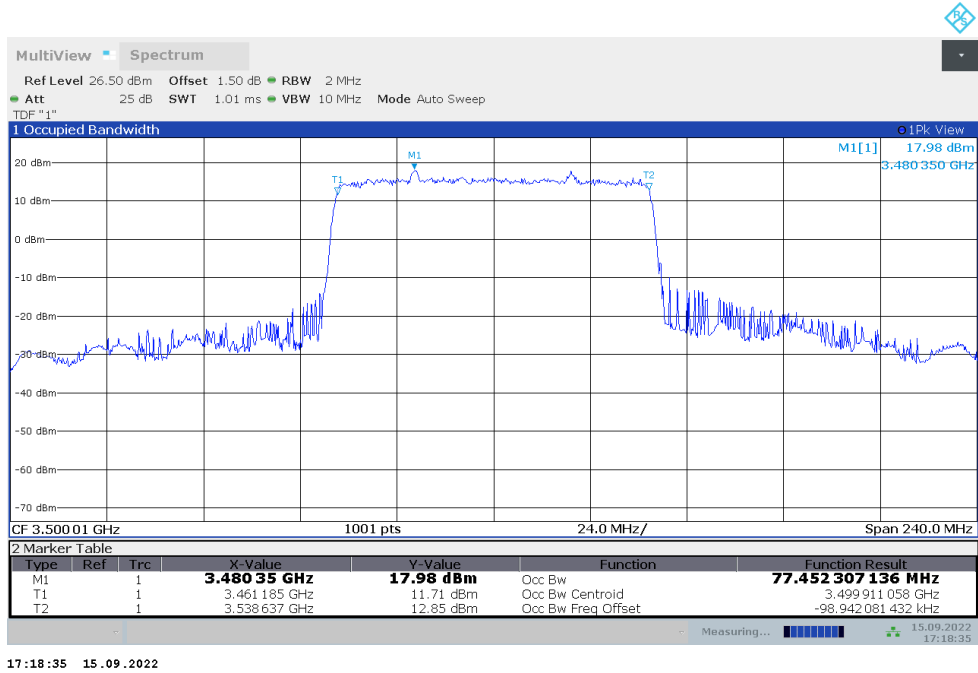
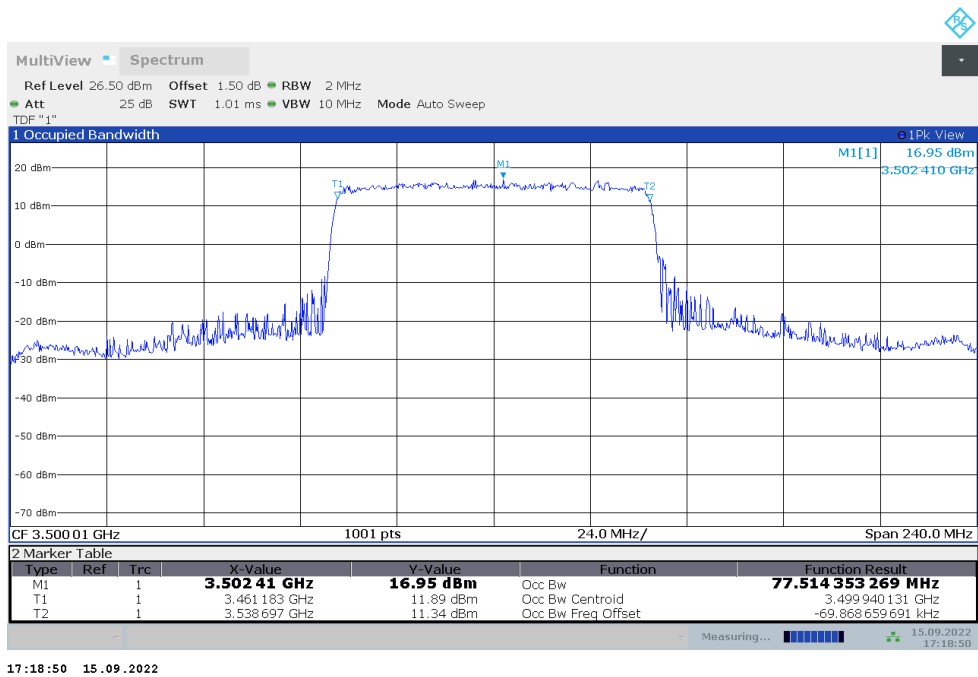
n77L,60MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	57.926	57.881

n77L,60MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n77L,60MHz Bandwidth,DFT-s-QPSK (99% BW)


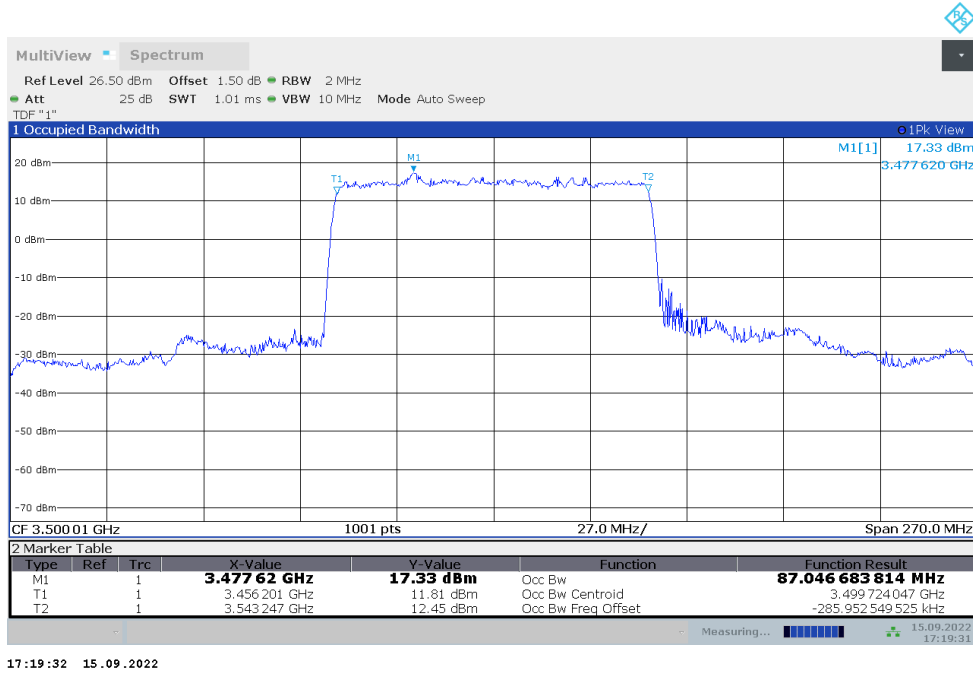
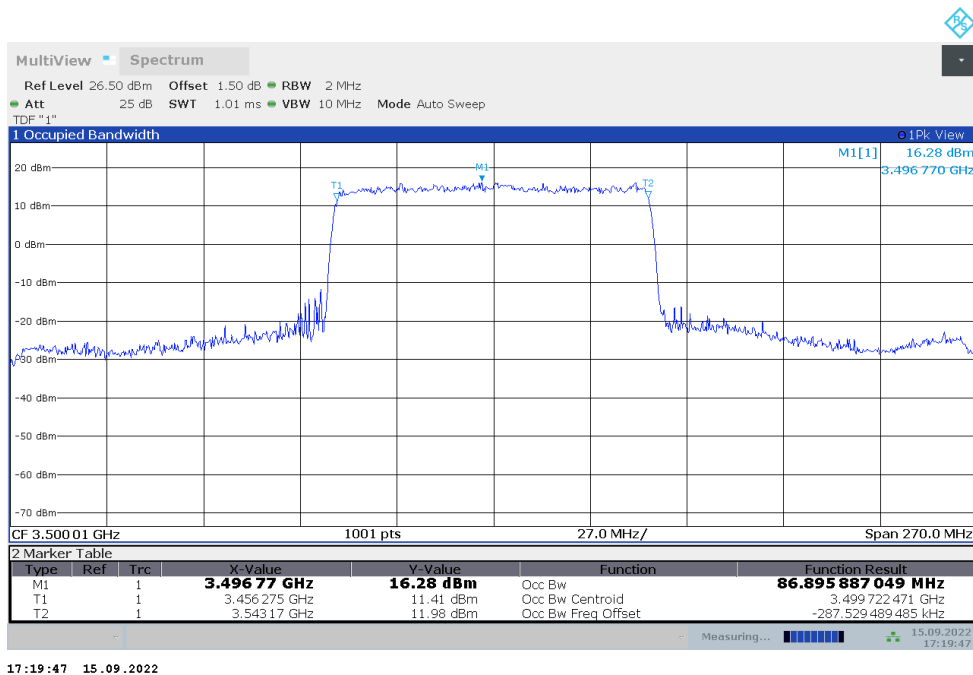
n77L,80MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	77.452	77.514

n77L,80MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n77L,80MHz Bandwidth,DFT-s-QPSK (99% BW)


n77L,90MHz(99%)

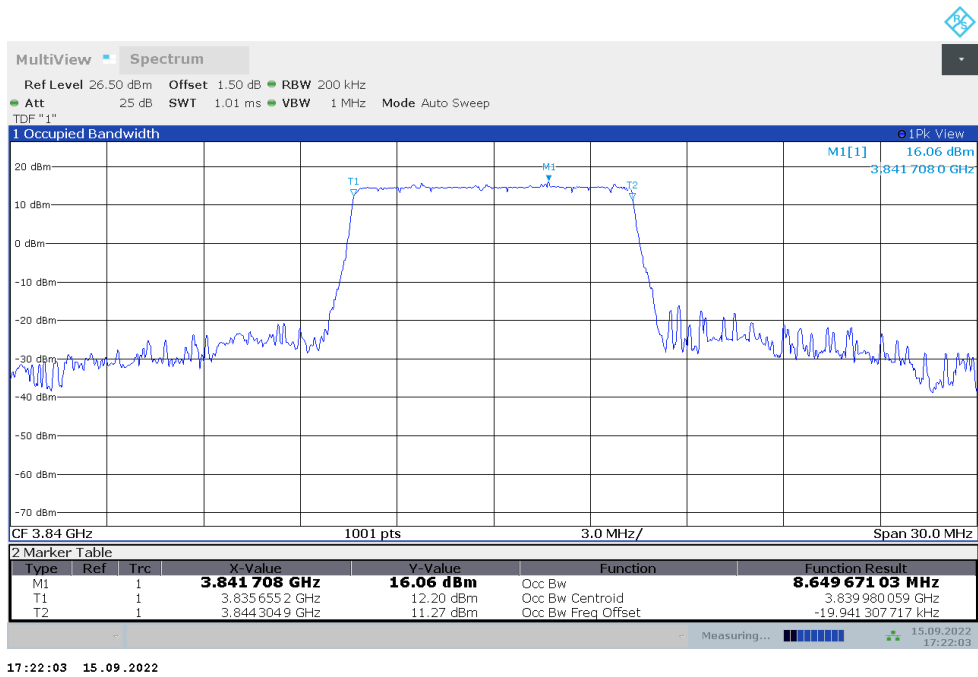
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	87.047	86.896

n77L,90MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n77L,90MHz Bandwidth,DFT-s-QPSK (99% BW)


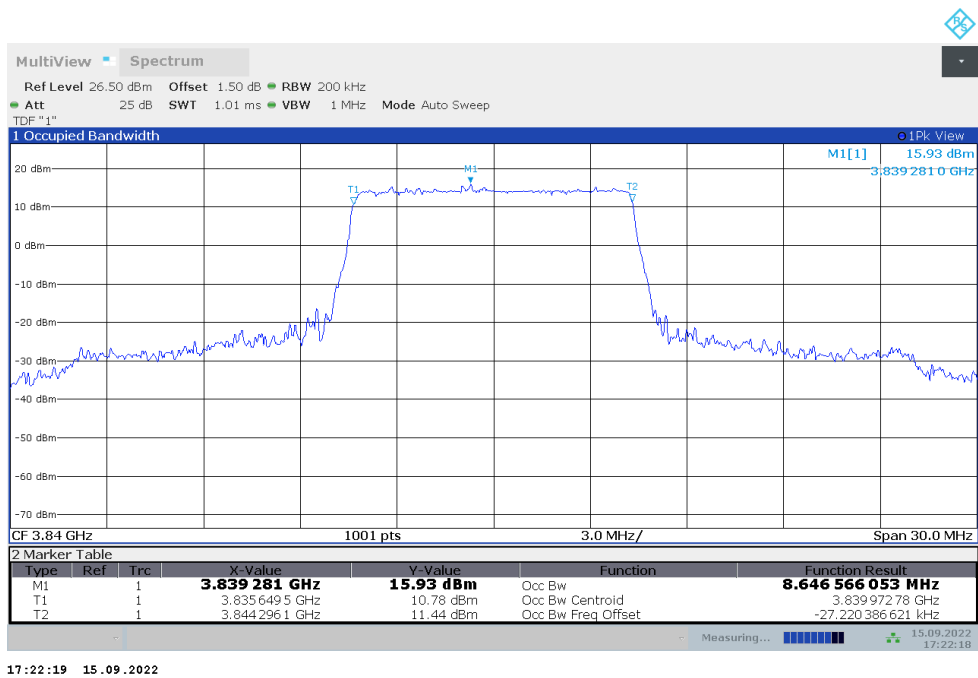
n77H
n77H,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	8.650	8.647

n77H,10MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

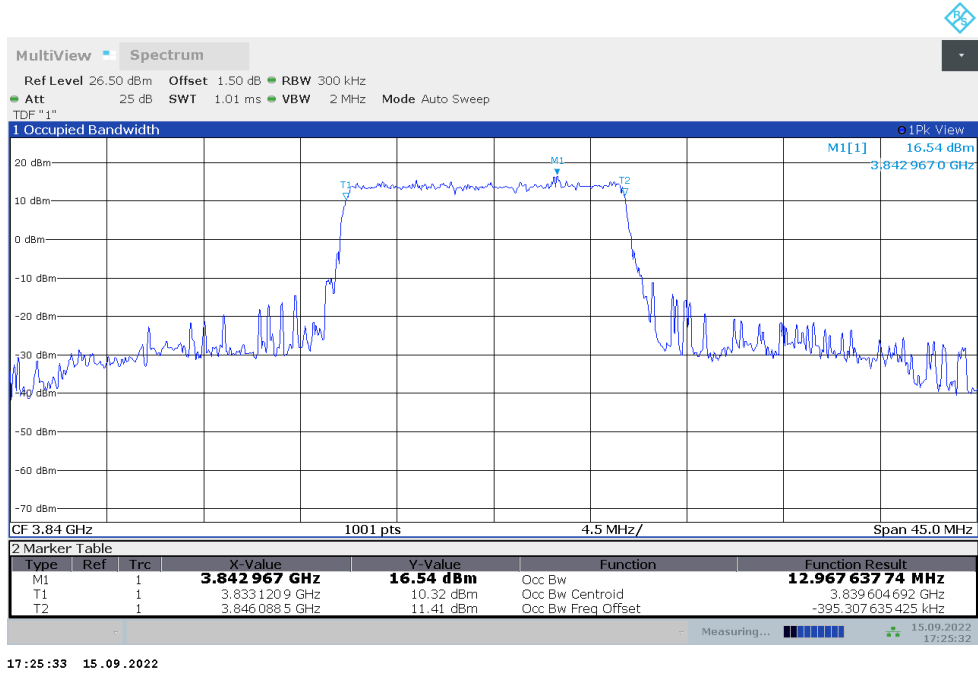


n77H,10MHz Bandwidth,DFT-s-QPSK (99% BW)



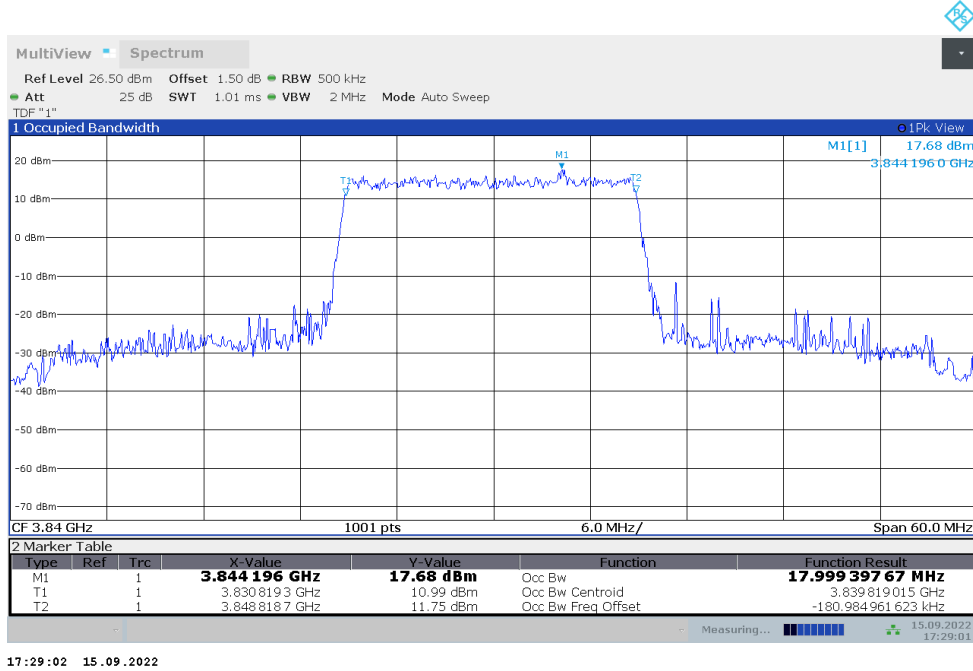
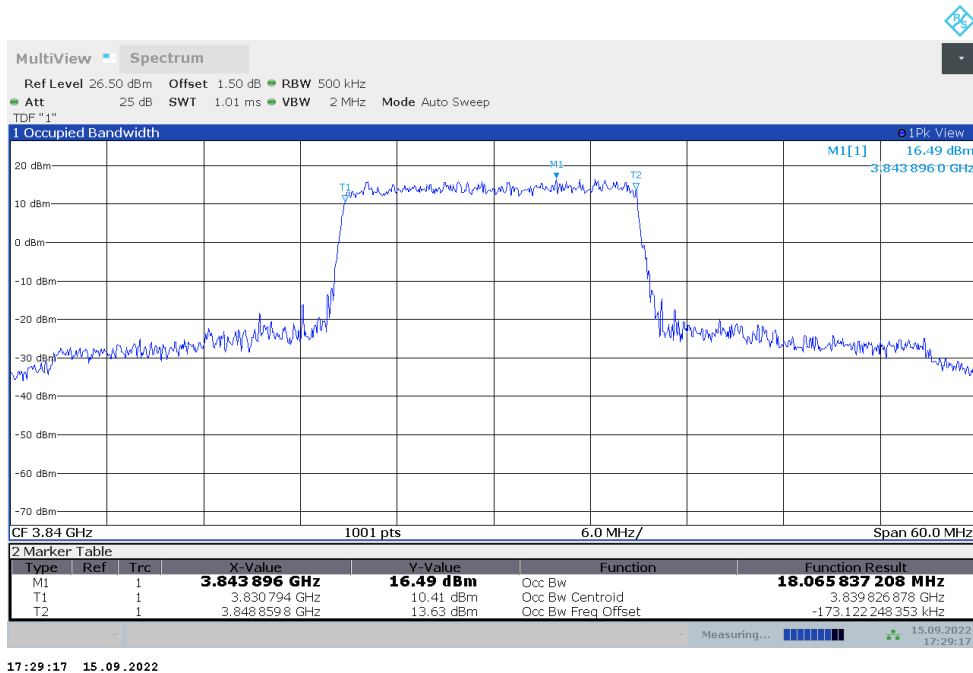
n77H,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	12.968	12.924

n77H,15MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n77H,15MHz Bandwidth,DFT-s-QPSK (99% BW)

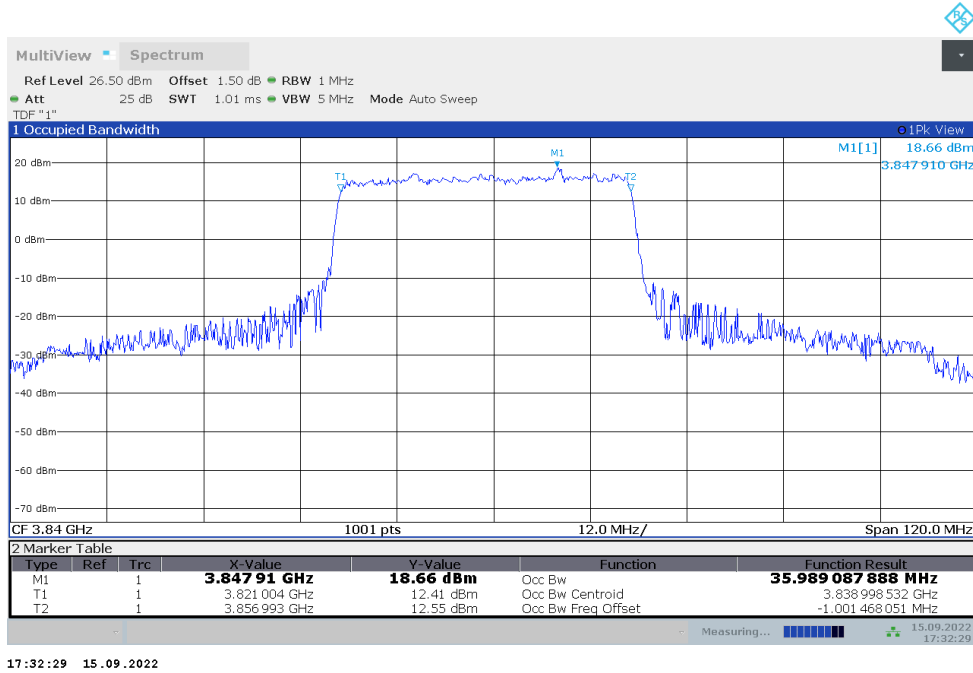
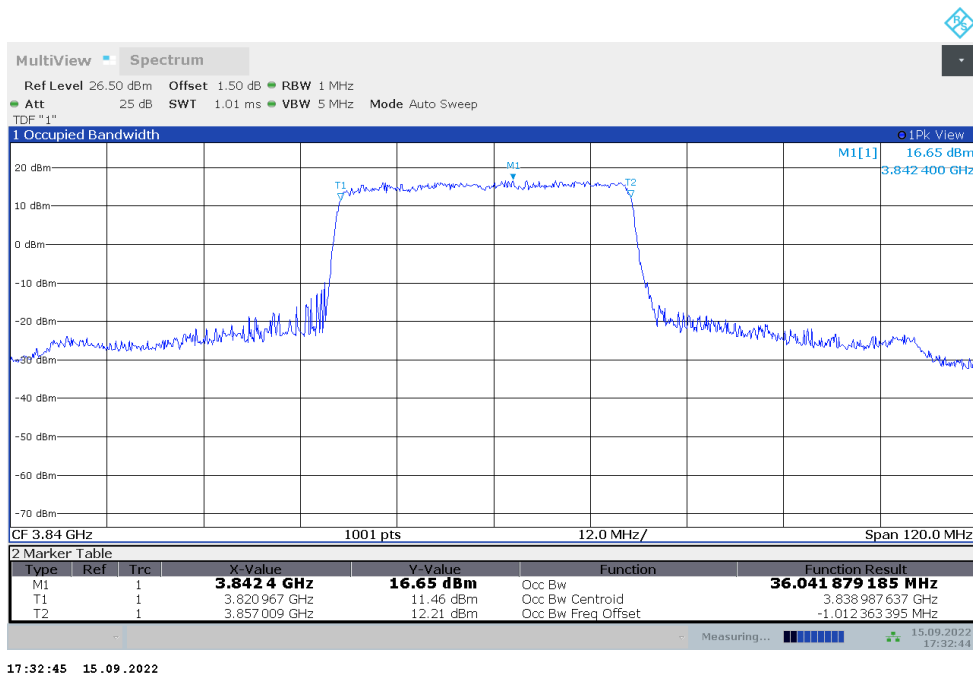

n77H,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	17.999	18.066

n77H,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n77H,20MHz Bandwidth,DFT-s-QPSK (99% BW)


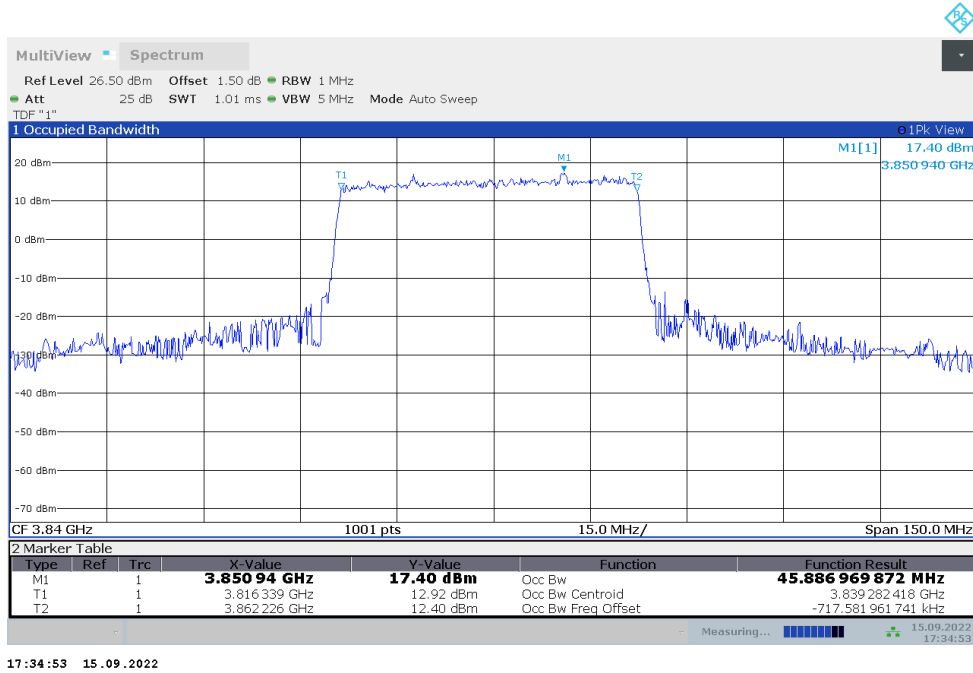
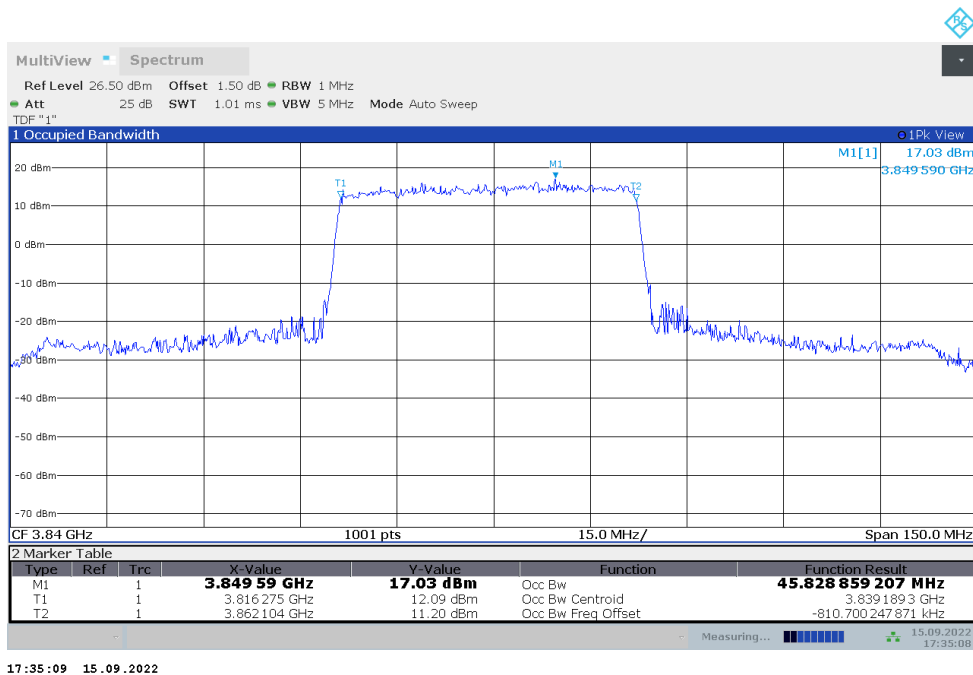
n77H,40MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	35.989	36.042

n77H,40MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n77H,40MHz Bandwidth,DFT-s-QPSK (99% BW)


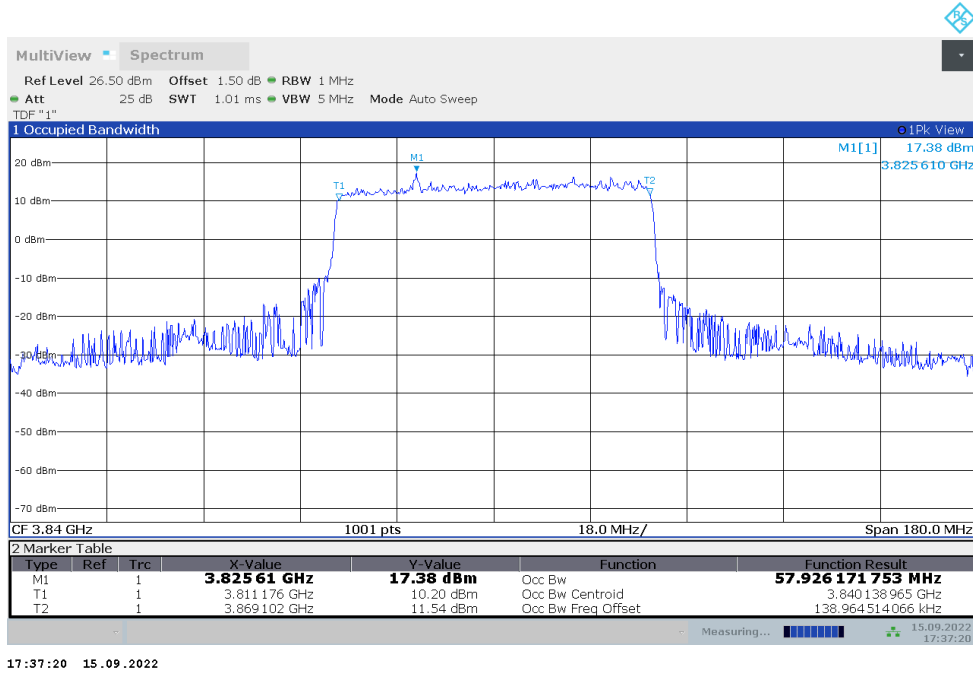
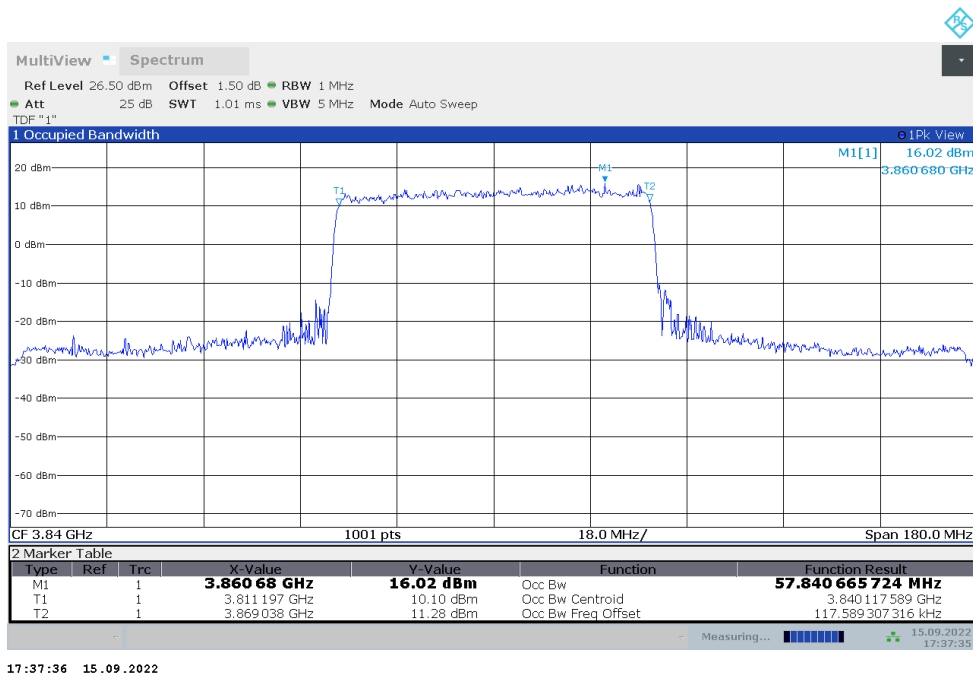
n77H,50MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	45.887	45.829

n77H,50MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n77H,50MHz Bandwidth,DFT-s-QPSK (99% BW)


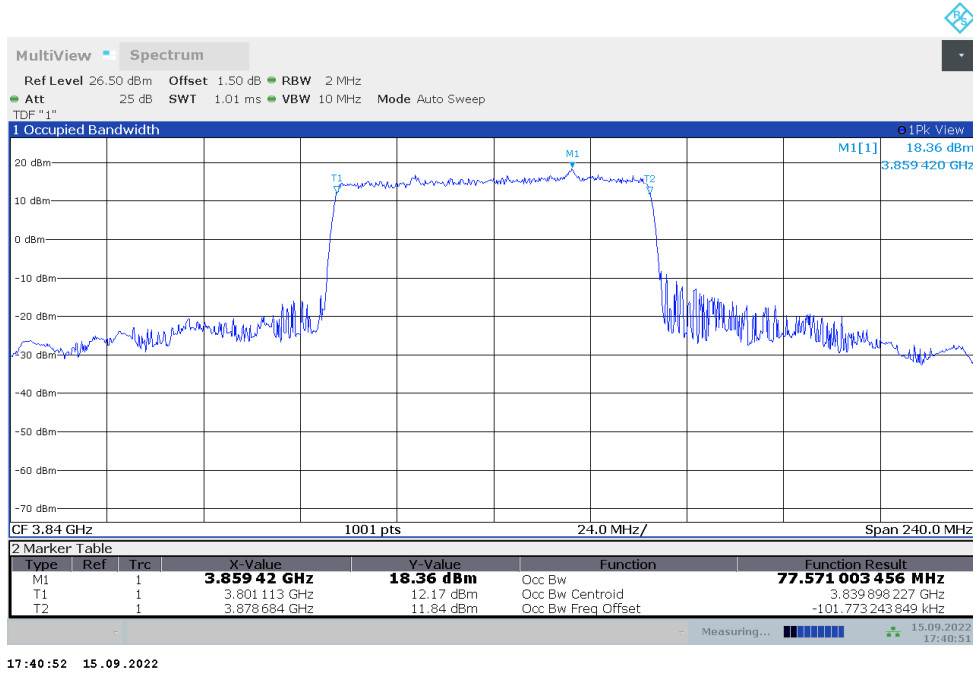
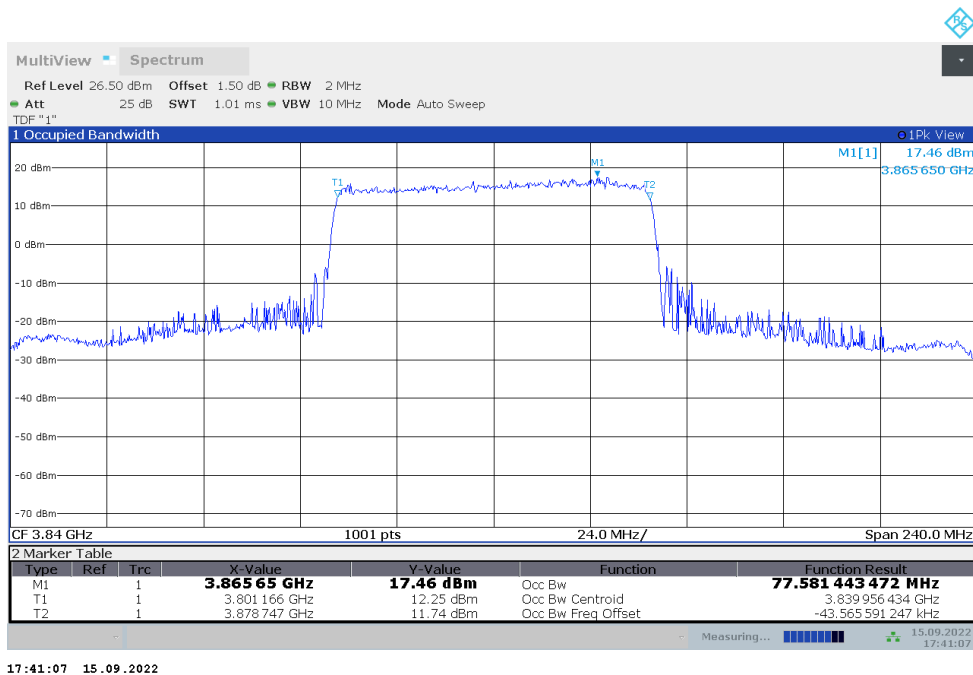
n77H,60MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	57.926	57.841

n77H,60MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n77H,60MHz Bandwidth,DFT-s-QPSK (99% BW)


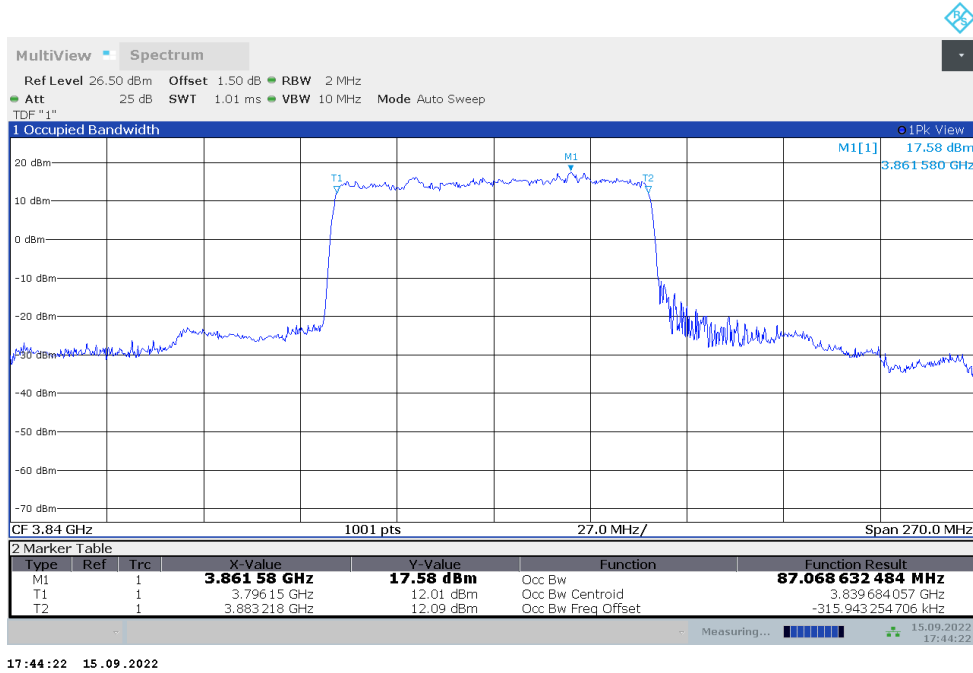
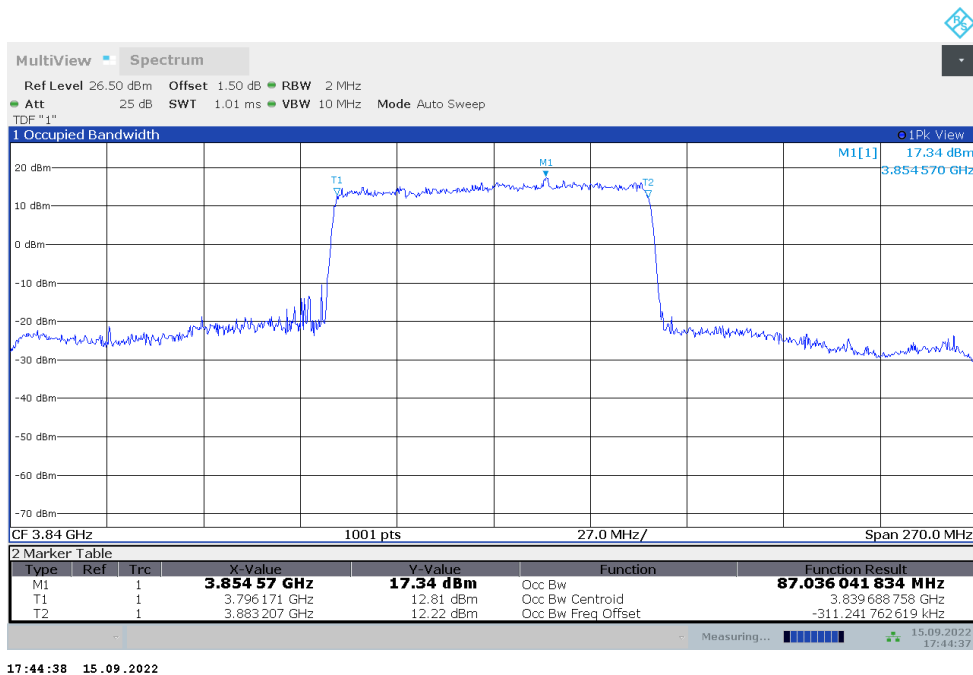
n77H,80MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	77.571	77.581

n77H,80MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n77H,80MHz Bandwidth,DFT-s-QPSK (99% BW)


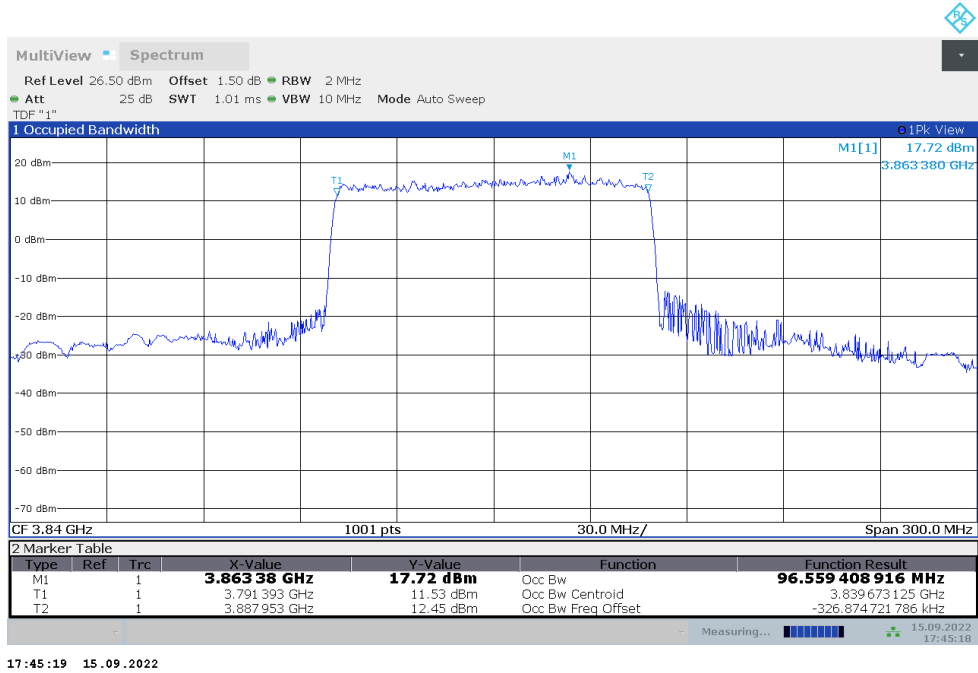
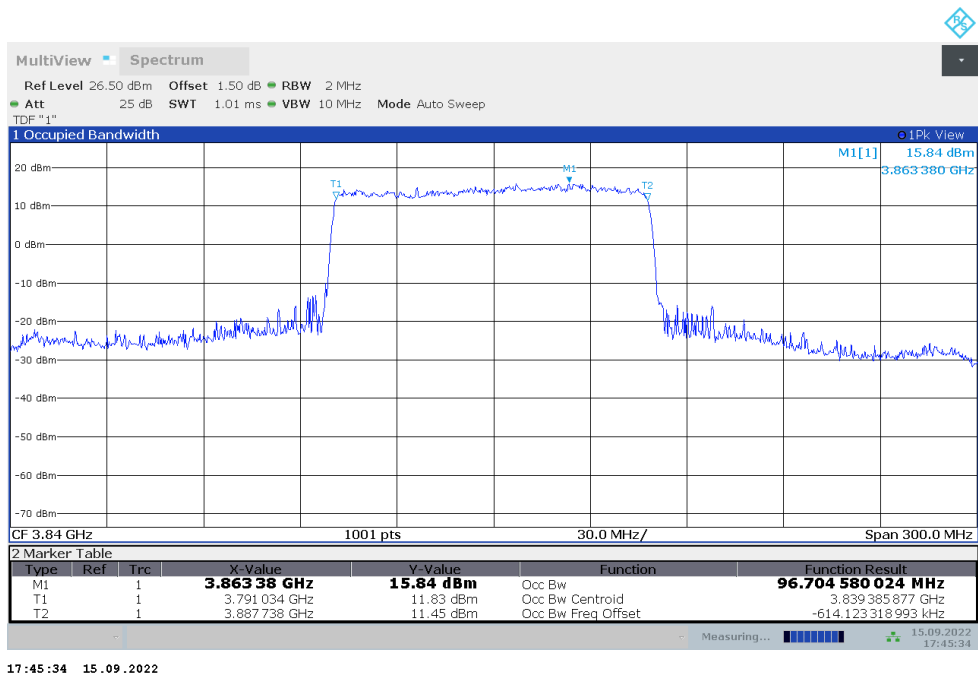
n77H,90MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	87.069	87.036

n77H,90MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n77H,90MHz Bandwidth,DFT-s-QPSK (99% BW)


n77H,100MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	96.559	96.705

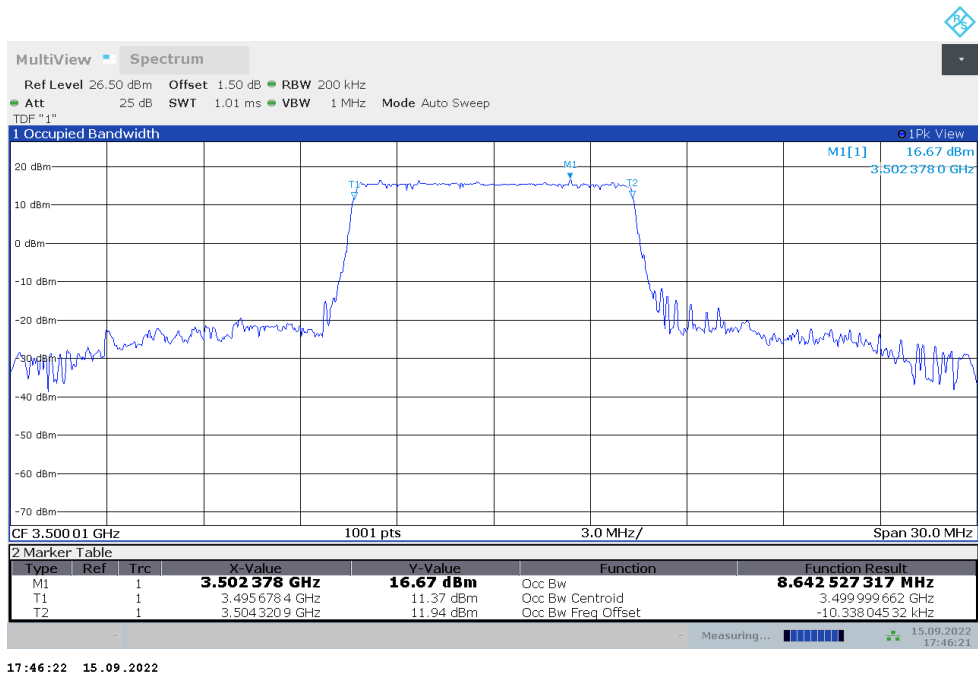
n77H,100MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n77H,100MHz Bandwidth,DFT-s-QPSK (99% BW)


n78L

n78L,10MHz(99%)

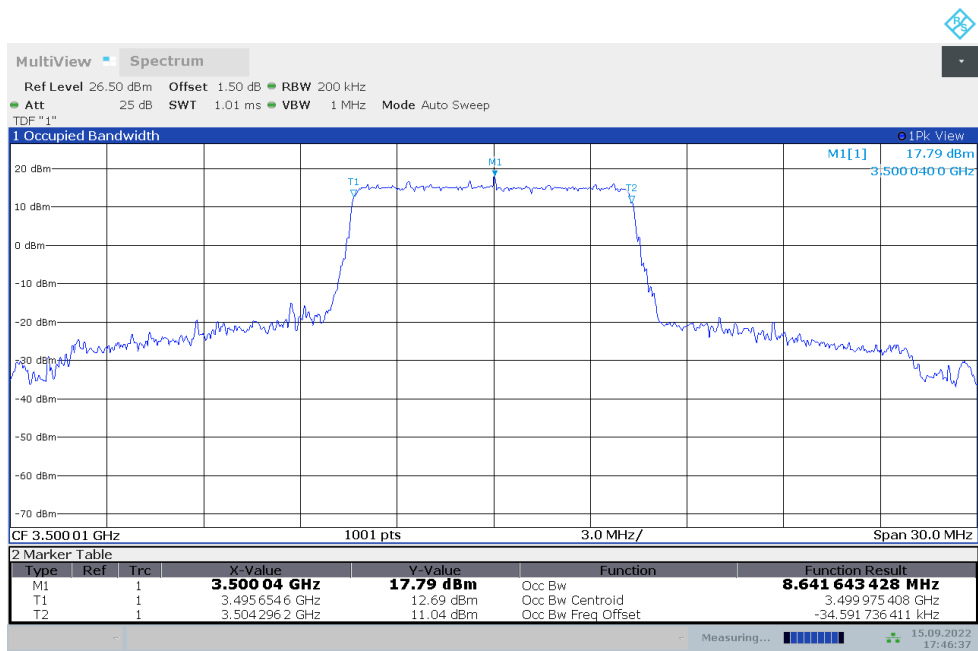
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	8.643	8.642

n78L,10MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



17:46:22 15.09.2022

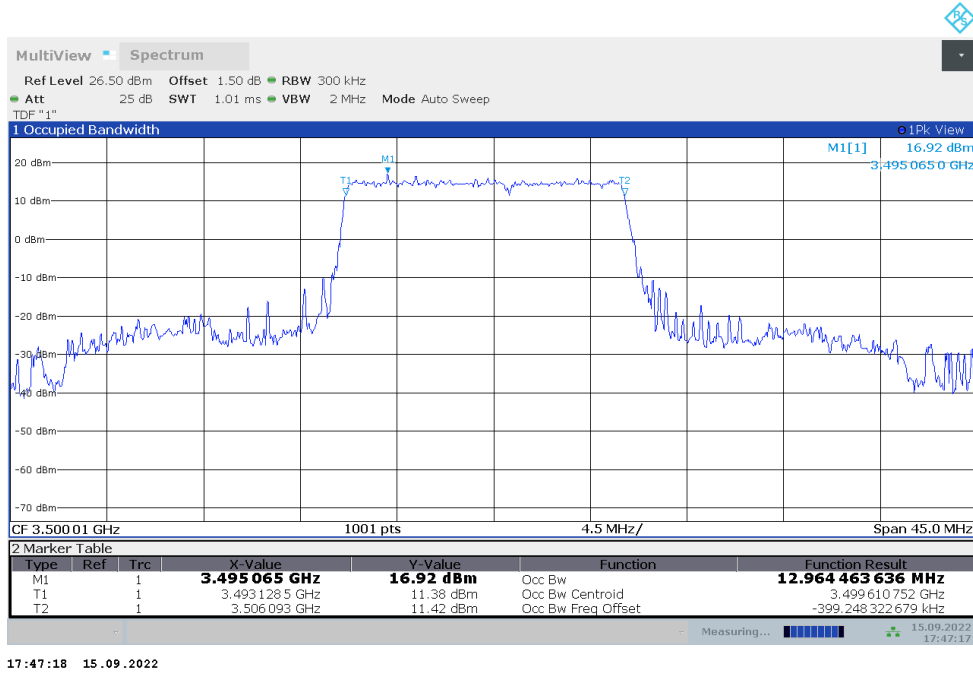
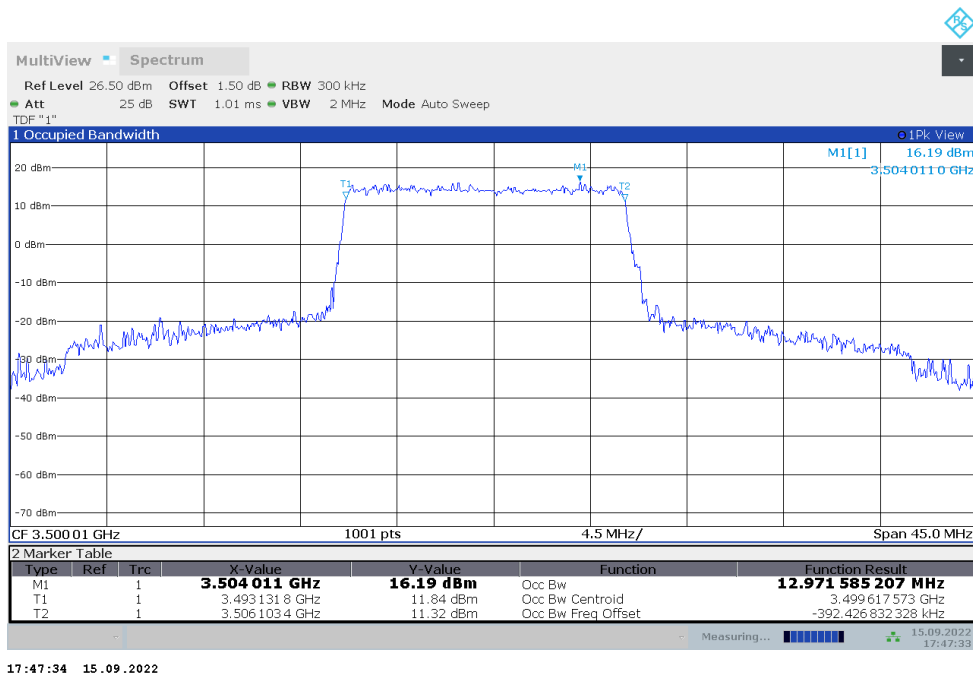
n78L,10MHz Bandwidth,DFT-s-QPSK (99% BW)



17:46:37 15.09.2022

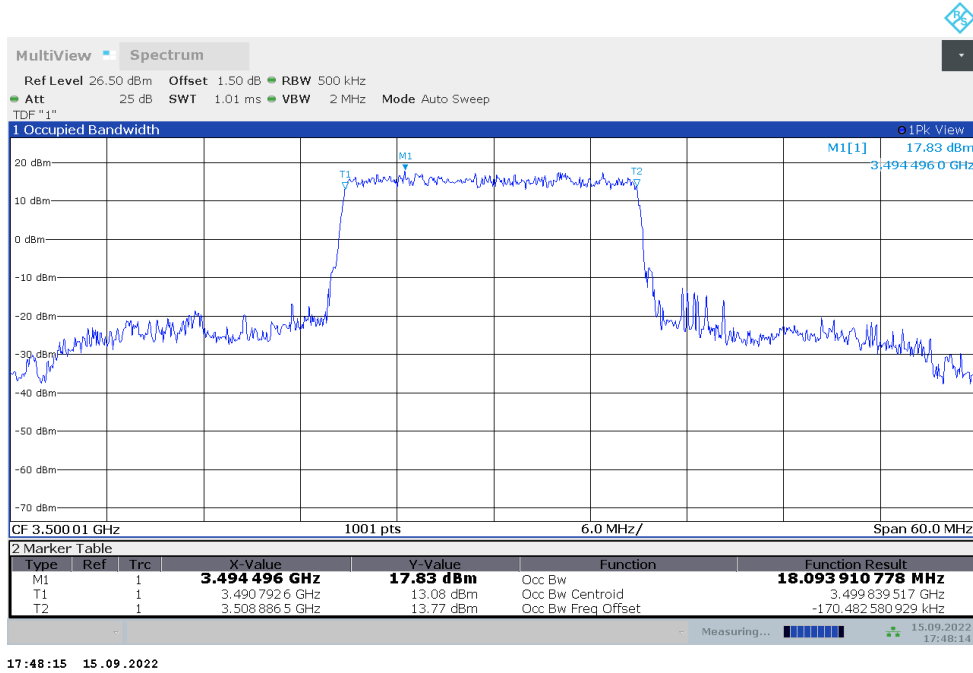
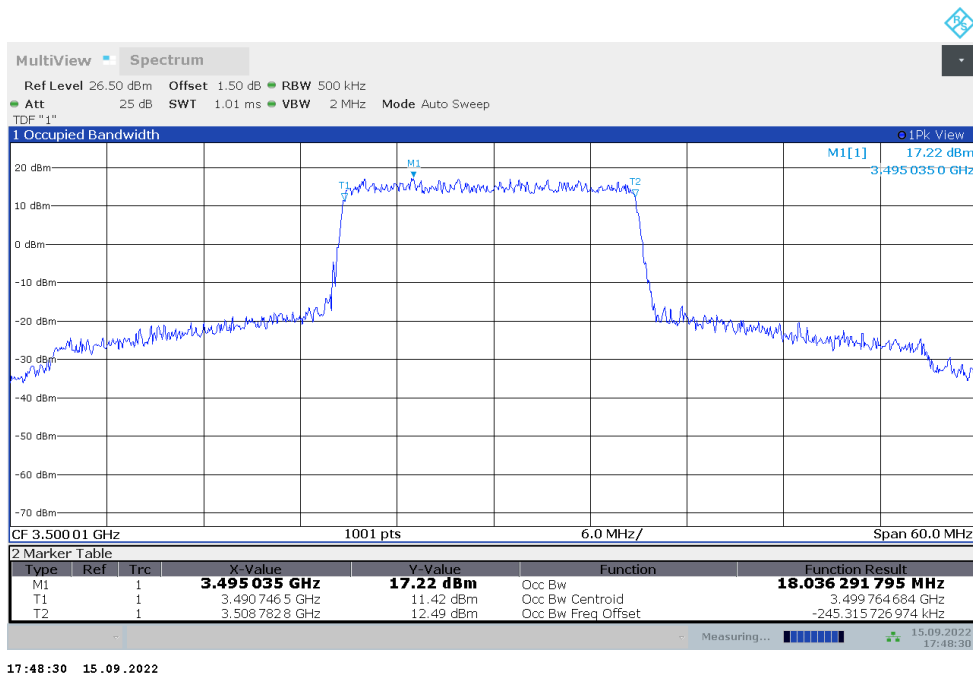
n78L,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	12.964	12.972

n78L,15MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n78L,15MHz Bandwidth,DFT-s-QPSK (99% BW)


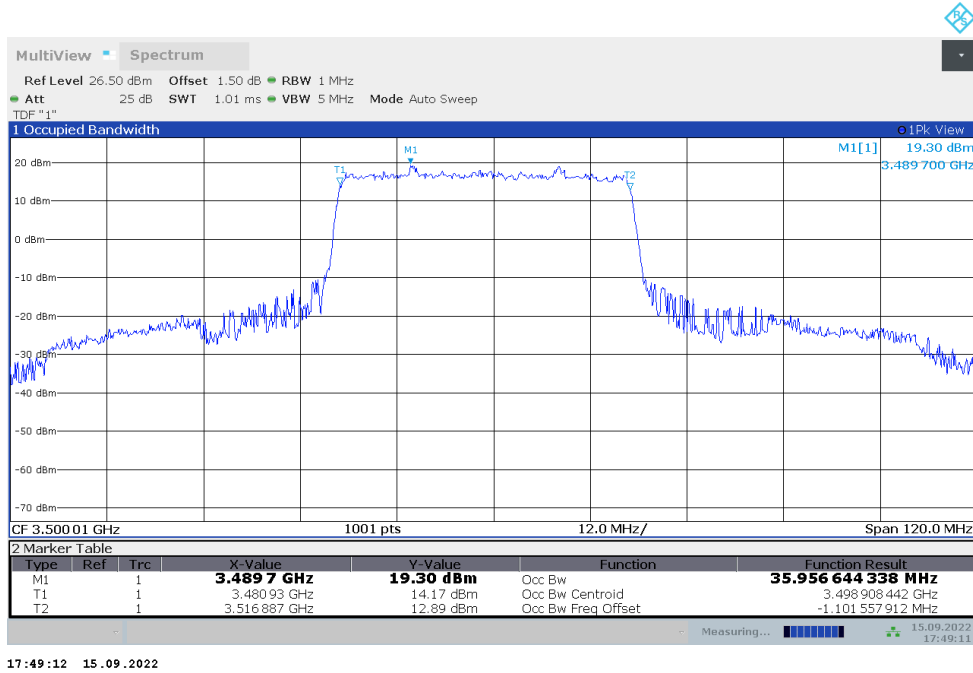
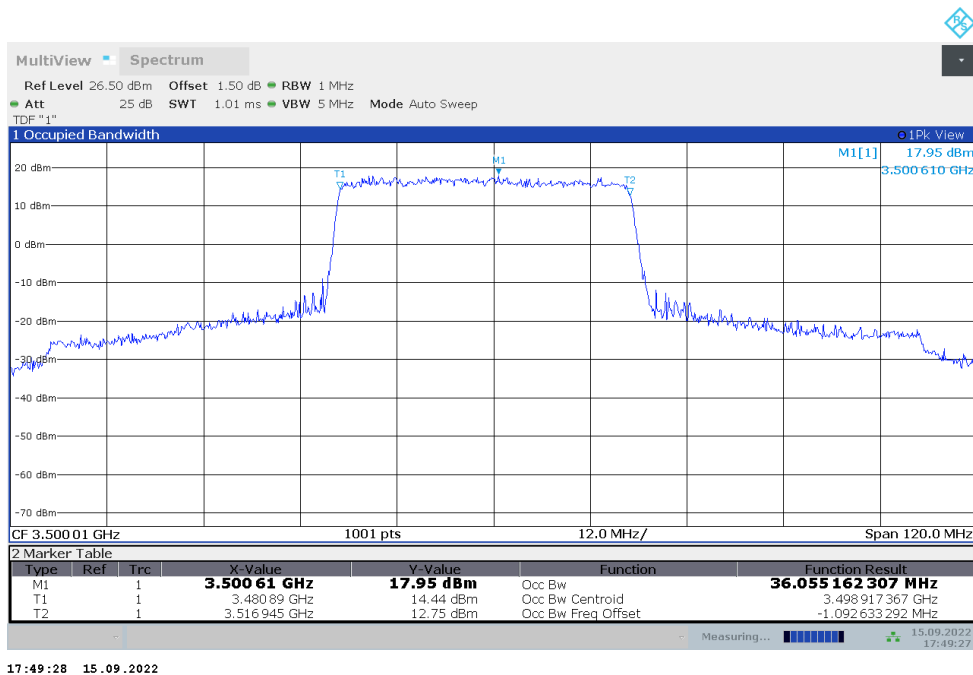
n78L,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	18.094	18.036

n78L,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n78L,20MHz Bandwidth,DFT-s-QPSK (99% BW)


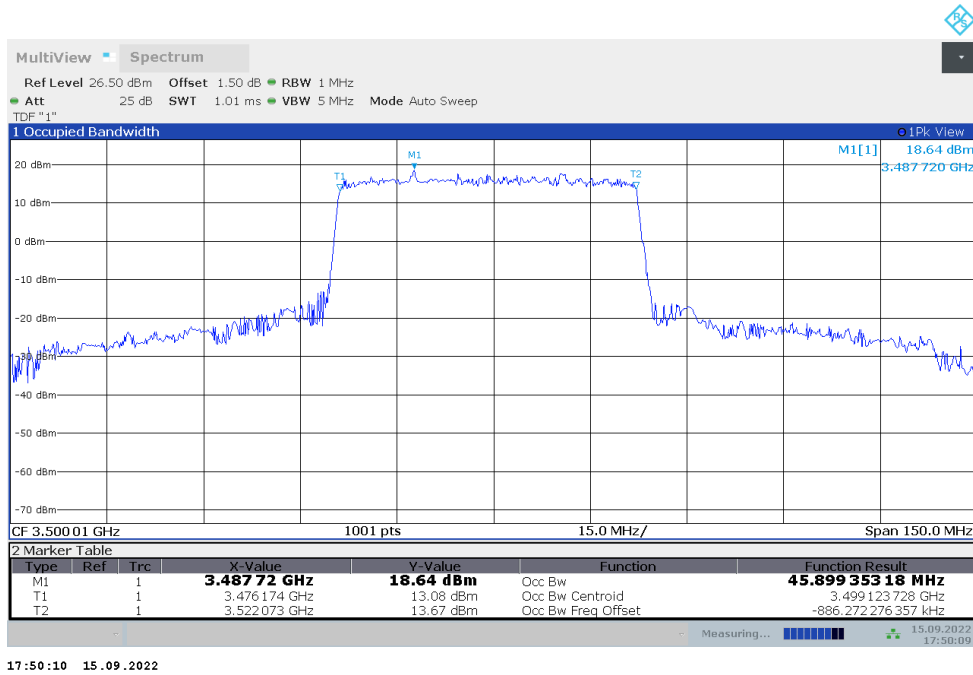
n78L,40MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	35.957	36.055

n78L,40MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n78L,40MHz Bandwidth,DFT-s-QPSK (99% BW)


n78L,50MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	45.899	45.900

n78L,50MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)

n78L,50MHz Bandwidth,DFT-s-QPSK (99% BW)
