

**Frequency Stability**

Test Conditions		NR n41 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0031	

Note:

1. Normal Voltage =12 V. ; Battery End Point (BEP) =10.8 V. ; Maximum Voltage =13.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

FR1 n41AA (ANT5) – SCS 30kHz

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)= 4.7dBi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	NR Conducted Power(dBm)	LTE Conducted Power(dBm)	ENDC Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
41	30	10	500220	2501.1	DFT-s-OFDM PI/2 BPSK	12@6	23.8	22.8	26.34	31.04	1.2703
41	30	10	500220	2501.1	DFT-s-OFDM PI/2 BPSK	1@1	23.62	22.98	26.32	31.02	1.2653
41	30	10	500220	2501.1	DFT-s-OFDM PI/2 BPSK	1@22	23.68	22.83	26.29	30.99	1.2549
41	30	10	500220	2501.1	DFT-s-OFDM QPSK	12@6	23.87	22.89	26.42	31.12	1.2936
41	30	10	500220	2501.1	DFT-s-OFDM QPSK	1@1	23.73	22.73	26.27	30.97	1.2500
41	30	10	500220	2501.1	DFT-s-OFDM QPSK	1@22	23.79	22.83	26.35	31.05	1.2726
41	30	10	500220	2501.1	DFT-s-OFDM 16 QAM	12@6	22.82	22.7	25.77	30.47	1.1145
41	30	10	500220	2501.1	DFT-s-OFDM 16 QAM	1@1	22.82	22.76	25.80	30.50	1.1221
41	30	10	500220	2501.1	DFT-s-OFDM 16 QAM	1@22	22.88	22.95	25.93	30.63	1.1549
41	30	10	500220	2501.1	DFT-s-OFDM 64 QAM	12@6	21.32	22.91	25.20	29.90	0.9767
41	30	10	500220	2501.1	DFT-s-OFDM 64 QAM	1@1	21.55	22.85	25.26	29.96	0.9905
41	30	10	500220	2501.1	DFT-s-OFDM 64 QAM	1@22	21.48	22.7	25.14	29.84	0.9645
41	30	10	500220	2501.1	DFT-s-OFDM 256 QAM	12@6	19.45	22.83	24.47	29.17	0.8263
41	30	10	500220	2501.1	DFT-s-OFDM 256 QAM	1@1	19.29	22.96	24.51	29.21	0.8341
41	30	10	500220	2501.1	DFT-s-OFDM 256 QAM	1@22	19.33	22.71	24.35	29.05	0.8037
41	30	10	500220	2501.1	CP-OFDM QPSK	12@6	22.27	22.88	25.60	30.30	1.0705
41	30	10	500220	2501.1	CP-OFDM QPSK	1@1	22.2	22.78	25.51	30.21	1.0495
41	30	10	500220	2501.1	CP-OFDM QPSK	1@22	22.21	22.91	25.58	30.28	1.0677
41	30	10	516600	2583	DFT-s-OFDM PI/2 BPSK	12@6	23.86	22.85	26.39	31.09	1.2866
41	30	10	516600	2583	DFT-s-	1@1	23.83	22.93	26.41	31.11	1.2923

					OFDM PI/2 BPSK						
41	30	10	516600	2583	DFT-s- OFDM PI/2 BPSK	1@22	23.81	22.68	26.29	30.99	1.2566
41	30	10	516600	2583	DFT-s- OFDM QPSK	12@6	23.56	22.85	26.23	30.93	1.2387
41	30	10	516600	2583	DFT-s- OFDM QPSK	1@1	23.67	22.76	26.25	30.95	1.2443
41	30	10	516600	2583	DFT-s- OFDM QPSK	1@22	23.67	22.83	26.28	30.98	1.2533
41	30	10	516600	2583	DFT-s- OFDM 16 QAM	12@6	22.83	22.92	25.89	30.59	1.1443
41	30	10	516600	2583	DFT-s- OFDM 16 QAM	1@1	22.74	22.81	25.79	30.49	1.1183
41	30	10	516600	2583	DFT-s- OFDM 16 QAM	1@22	22.68	22.85	25.78	30.48	1.1159
41	30	10	516600	2583	DFT-s- OFDM 64 QAM	12@6	21.58	22.71	25.19	29.89	0.9754
41	30	10	516600	2583	DFT-s- OFDM 64 QAM	1@1	21.69	22.82	25.30	30.00	1.0004
41	30	10	516600	2583	DFT-s- OFDM 64 QAM	1@22	21.76	22.87	25.36	30.06	1.0141
41	30	10	516600	2583	DFT-s- OFDM 256 QAM	12@6	19.45	22.79	24.44	29.14	0.8211
41	30	10	516600	2583	DFT-s- OFDM 256 QAM	1@1	19.39	22.8	24.43	29.13	0.8188
41	30	10	516600	2583	DFT-s- OFDM 256 QAM	1@22	19.53	22.68	24.39	29.09	0.8119
41	30	10	516600	2583	CP-OFDM QPSK	12@6	22.25	22.89	25.59	30.29	1.0696
41	30	10	516600	2583	CP-OFDM QPSK	1@1	22.36	22.84	25.62	30.32	1.0757
41	30	10	516600	2583	CP-OFDM QPSK	1@22	22.37	22.94	25.67	30.37	1.0901
41	30	10	537000	2685	DFT-s- OFDM PI/2 BPSK	12@6	23.57	22.77	26.20	30.90	1.2299
41	30	10	537000	2685	DFT-s- OFDM PI/2 BPSK	1@1	23.58	22.74	26.19	30.89	1.2276
41	30	10	537000	2685	DFT-s- OFDM PI/2 BPSK	1@22	23.64	22.84	26.27	30.97	1.2499
41	30	10	537000	2685	DFT-s- OFDM QPSK	12@6	23.59	22.8	26.22	30.92	1.2369
41	30	10	537000	2685	DFT-s- OFDM QPSK	1@1	23.49	22.73	26.14	30.84	1.2125
41	30	10	537000	2685	DFT-s- OFDM QPSK	1@22	23.3	22.92	26.12	30.82	1.2091
41	30	10	537000	2685	DFT-s- OFDM 16 QAM	12@6	22.5	22.89	25.71	30.41	1.0989

41	30	10	537000	2685	DFT-s-OFDM 16 QAM	1@1	22.59	22.98	25.80	30.50	1.1219
41	30	10	537000	2685	DFT-s-OFDM 16 QAM	1@22	22.66	22.81	25.75	30.45	1.1081
41	30	10	537000	2685	DFT-s-OFDM 64 QAM	12@6	21.55	22.93	25.30	30.00	1.0011
41	30	10	537000	2685	DFT-s-OFDM 64 QAM	1@1	21.08	22.72	24.99	29.69	0.9305
41	30	10	537000	2685	DFT-s-OFDM 64 QAM	1@22	21.15	22.88	25.11	29.81	0.9574
41	30	10	537000	2685	DFT-s-OFDM 256 QAM	12@6	19.41	22.91	24.51	29.21	0.8344
41	30	10	537000	2685	DFT-s-OFDM 256 QAM	1@1	19.28	22.76	24.37	29.07	0.8072
41	30	10	537000	2685	DFT-s-OFDM 256 QAM	1@22	19.31	22.84	24.43	29.13	0.8193
41	30	10	537000	2685	CP-OFDM QPSK	12@6	22.48	22.68	25.59	30.29	1.0694
41	30	10	537000	2685	CP-OFDM QPSK	1@1	22.26	22.79	25.54	30.24	1.0576
41	30	10	537000	2685	CP-OFDM QPSK	1@22	22.37	22.9	25.65	30.35	1.0848
41	30	15	500742	2503.71	DFT-s-OFDM PI/2 BPSK	18@9	23.55	22.78	26.19	30.89	1.2281
41	30	15	500742	2503.71	DFT-s-OFDM PI/2 BPSK	1@1	23.59	22.75	26.20	30.90	1.2304
41	30	15	500742	2503.71	DFT-s-OFDM PI/2 BPSK	1@36	23.65	22.81	26.26	30.96	1.2475
41	30	15	500742	2503.71	DFT-s-OFDM QPSK	18@9	23.9	22.87	26.43	31.13	1.2959
41	30	15	500742	2503.71	DFT-s-OFDM QPSK	1@1	23.68	22.95	26.34	31.04	1.2708
41	30	15	500742	2503.71	DFT-s-OFDM QPSK	1@36	23.72	22.81	26.30	31.00	1.2587
41	30	15	500742	2503.71	DFT-s-OFDM 16 QAM	18@9	22.8	22.9	25.86	30.56	1.1378
41	30	15	500742	2503.71	DFT-s-OFDM 16 QAM	1@1	22.77	22.93	25.86	30.56	1.1379
41	30	15	500742	2503.71	DFT-s-OFDM 16 QAM	1@36	22.75	22.82	25.80	30.50	1.1208
41	30	15	500742	2503.71	DFT-s-OFDM 64 QAM	18@9	21.32	22.85	25.16	29.86	0.9688
41	30	15	500742	2503.71	DFT-s-OFDM 64 QAM	1@1	21.21	22.74	25.05	29.75	0.9446
41	30	15	500742	2503.71	DFT-s-OFDM 64 QAM	1@36	21.11	22.9	25.11	29.81	0.9565
41	30	15	500742	2503.71	DFT-s-OFDM 256 QAM	18@9	19.65	22.96	24.62	29.32	0.8557

41	30	15	500742	2503.71	DFT-s-OFDM 256 QAM	1@1	19.65	22.69	24.44	29.14	0.8205
41	30	15	500742	2503.71	DFT-s-OFDM 256 QAM	1@36	19.55	22.86	24.52	29.22	0.8362
41	30	15	500742	2503.71	CP-OFDM QPSK	19@9	22.31	22.92	25.64	30.34	1.0804
41	30	15	500742	2503.71	CP-OFDM QPSK	1@1	22.1	22.85	25.50	30.20	1.0475
41	30	15	500742	2503.71	CP-OFDM QPSK	1@36	22.15	22.8	25.50	30.20	1.0465
41	30	15	516582	2582.91	DFT-s-OFDM PI/2 BPSK	18@9	23.75	22.8	26.31	31.01	1.2622
41	30	15	516582	2582.91	DFT-s-OFDM PI/2 BPSK	1@1	23.93	22.7	26.37	31.07	1.2790
41	30	15	516582	2582.91	DFT-s-OFDM PI/2 BPSK	1@36	23.65	22.85	26.28	30.98	1.2528
41	30	15	516582	2582.91	DFT-s-OFDM QPSK	18@9	23.97	22.91	26.48	31.18	1.3130
41	30	15	516582	2582.91	DFT-s-OFDM QPSK	1@1	23.99	22.95	26.51	31.21	1.3217
41	30	15	516582	2582.91	DFT-s-OFDM QPSK	1@36	23.73	22.95	26.37	31.07	1.2787
41	30	15	516582	2582.91	DFT-s-OFDM 16 QAM	18@9	22.85	22.9	25.89	30.59	1.1443
41	30	15	516582	2582.91	DFT-s-OFDM 16 QAM	1@1	23.04	22.75	25.91	30.61	1.1502
41	30	15	516582	2582.91	DFT-s-OFDM 16 QAM	1@36	22.65	22.88	25.78	30.48	1.1160
41	30	15	516582	2582.91	DFT-s-OFDM 64 QAM	18@9	21.41	22.61	25.06	29.76	0.9466
41	30	15	516582	2582.91	DFT-s-OFDM 64 QAM	1@1	21.41	22.72	25.12	29.82	0.9604
41	30	15	516582	2582.91	DFT-s-OFDM 64 QAM	1@36	21.15	22.65	24.97	29.67	0.9278
41	30	15	516582	2582.91	DFT-s-OFDM 256 QAM	18@9	19.86	22.78	24.57	29.27	0.8455
41	30	15	516582	2582.91	DFT-s-OFDM 256 QAM	1@1	19.65	22.9	24.58	29.28	0.8477
41	30	15	516582	2582.91	DFT-s-OFDM 256 QAM	1@36	19.51	22.76	24.44	29.14	0.8208
41	30	15	516582	2582.91	CP-OFDM QPSK	19@9	22.3	22.89	25.62	30.32	1.0753
41	30	15	516582	2582.91	CP-OFDM QPSK	1@1	22.43	22.93	25.70	30.40	1.0958
41	30	15	516582	2582.91	CP-OFDM QPSK	1@36	22.18	22.81	25.52	30.22	1.0512
41	30	15	536478	2682.39	DFT-s-OFDM PI/2 BPSK	18@9	23.95	22.85	26.45	31.15	1.3017
41	30	15	536478	2682.39	DFT-s-OFDM PI/2 BPSK	1@1	23.71	22.85	26.31	31.01	1.2623

41	30	15	536478	2682.39	DFT-s-OFDM PI/2 BPSK	1@36	23.9	22.68	26.34	31.04	1.2715
41	30	15	536478	2682.39	DFT-s-OFDM QPSK	18@9	23.99	22.9	26.49	31.19	1.3150
41	30	15	536478	2682.39	DFT-s-OFDM QPSK	1@1	23.7	22.89	26.32	31.02	1.2659
41	30	15	536478	2682.39	DFT-s-OFDM QPSK	1@36	23.9	22.89	26.43	31.13	1.2986
41	30	15	536478	2682.39	DFT-s-OFDM 16 QAM	18@9	22.87	22.85	25.87	30.57	1.1403
41	30	15	536478	2682.39	DFT-s-OFDM 16 QAM	1@1	22.72	22.97	25.86	30.56	1.1369
41	30	15	536478	2682.39	DFT-s-OFDM 16 QAM	1@36	22.95	22.95	25.96	30.66	1.1642
41	30	15	536478	2682.39	DFT-s-OFDM 64 QAM	18@9	21.43	22.95	25.27	29.97	0.9923
41	30	15	536478	2682.39	DFT-s-OFDM 64 QAM	1@1	20.96	22.8	24.99	29.69	0.9305
41	30	15	536478	2682.39	DFT-s-OFDM 64 QAM	1@36	21.1	22.74	25.01	29.71	0.9348
41	30	15	536478	2682.39	DFT-s-OFDM 256 QAM	18@9	19.55	22.92	24.56	29.26	0.8442
41	30	15	536478	2682.39	DFT-s-OFDM 256 QAM	1@1	19.35	22.85	24.45	29.15	0.8230
41	30	15	536478	2682.39	DFT-s-OFDM 256 QAM	1@36	19.59	22.72	24.44	29.14	0.8206
41	30	15	536478	2682.39	CP-OFDM QPSK	19@9	22.31	22.85	25.60	30.30	1.0712
41	30	15	536478	2682.39	CP-OFDM QPSK	1@1	22.11	22.85	25.51	30.21	1.0486
41	30	15	536478	2682.39	CP-OFDM QPSK	1@36	22.36	22.65	25.52	30.22	1.0514
41	30	20	501240	2506.2	DFT-s-OFDM PI/2 BPSK	25@12	23.59	22.78	26.21	30.91	1.2343
41	30	20	501240	2506.2	DFT-s-OFDM PI/2 BPSK	1@1	23.59	22.79	26.22	30.92	1.2356
41	30	20	501240	2506.2	DFT-s-OFDM PI/2 BPSK	1@49	23.67	22.81	26.27	30.97	1.2507
41	30	20	501240	2506.2	DFT-s-OFDM QPSK	25@12	23.91	22.87	26.43	31.13	1.2976
41	30	20	501240	2506.2	DFT-s-OFDM QPSK	1@1	23.68	22.95	26.34	31.04	1.2708
41	30	20	501240	2506.2	DFT-s-OFDM QPSK	1@49	23.72	22.83	26.31	31.01	1.2613
41	30	20	501240	2506.2	DFT-s-OFDM 16 QAM	25@12	22.82	22.9	25.87	30.57	1.1404
41	30	20	501240	2506.2	DFT-s-OFDM 16 QAM	1@1	22.77	22.95	25.87	30.57	1.1406

41	30	20	501240	2506.2	DFT-s-OFDM 16 QAM	1@49	22.78	22.82	25.81	30.51	1.1247
41	30	20	501240	2506.2	DFT-s-OFDM 64 QAM	25@12	21.32	22.85	25.16	29.86	0.9688
41	30	20	501240	2506.2	DFT-s-OFDM 64 QAM	1@1	21.22	22.74	25.06	29.76	0.9455
41	30	20	501240	2506.2	DFT-s-OFDM 64 QAM	1@49	21.11	22.93	25.12	29.82	0.9605
41	30	20	501240	2506.2	DFT-s-OFDM 256 QAM	25@12	19.65	22.96	24.62	29.32	0.8557
41	30	20	501240	2506.2	DFT-s-OFDM 256 QAM	1@1	19.67	22.69	24.45	29.15	0.8218
41	30	20	501240	2506.2	DFT-s-OFDM 256 QAM	1@49	19.55	22.86	24.52	29.22	0.8362
41	30	20	501240	2506.2	CP-OFDM QPSK	25@12	22.35	22.92	25.65	30.35	1.0851
41	30	20	501240	2506.2	CP-OFDM QPSK	1@1	22.1	22.85	25.50	30.20	1.0475
41	30	20	501240	2506.2	CP-OFDM QPSK	1@49	22.17	22.82	25.52	30.22	1.0513
41	30	20	517620	2588.1	DFT-s-OFDM PI/2 BPSK	25@12	23.81	22.8	26.34	31.04	1.2719
41	30	20	517620	2588.1	DFT-s-OFDM PI/2 BPSK	1@1	23.93	22.7	26.37	31.07	1.2790
41	30	20	517620	2588.1	DFT-s-OFDM PI/2 BPSK	1@49	23.71	22.85	26.31	31.01	1.2623
41	30	20	517620	2588.1	DFT-s-OFDM QPSK	25@12	23.97	22.94	26.50	31.20	1.3170
41	30	20	517620	2588.1	DFT-s-OFDM QPSK	1@1	24.01	22.95	26.52	31.22	1.3251
41	30	20	517620	2588.1	DFT-s-OFDM QPSK	1@49	23.73	22.95	26.37	31.07	1.2787
41	30	20	517620	2588.1	DFT-s-OFDM 16 QAM	25@12	22.86	22.9	25.89	30.59	1.1456
41	30	20	517620	2588.1	DFT-s-OFDM 16 QAM	1@1	23.04	22.75	25.91	30.61	1.1502
41	30	20	517620	2588.1	DFT-s-OFDM 16 QAM	1@49	22.7	22.88	25.80	30.50	1.1223
41	30	20	517620	2588.1	DFT-s-OFDM 64 QAM	25@12	21.41	22.68	25.10	29.80	0.9553
41	30	20	517620	2588.1	DFT-s-OFDM 64 QAM	1@1	21.41	22.72	25.12	29.82	0.9604
41	30	20	517620	2588.1	DFT-s-OFDM 64 QAM	1@49	21.15	22.71	25.01	29.71	0.9354
41	30	20	517620	2588.1	DFT-s-OFDM 256 QAM	25@12	19.86	22.78	24.57	29.27	0.8455
41	30	20	517620	2588.1	DFT-s-OFDM 256 QAM	1@1	19.65	22.93	24.60	29.30	0.8517

41	30	20	517620	2588.1	DFT-s-OFDM 256 QAM	1@49	19.51	22.76	24.44	29.14	0.8208
41	30	20	517620	2588.1	CP-OFDM QPSK	25@12	22.34	22.89	25.63	30.33	1.0799
41	30	20	517620	2588.1	CP-OFDM QPSK	1@1	22.44	22.93	25.70	30.40	1.0970
41	30	20	517620	2588.1	CP-OFDM QPSK	1@49	22.18	22.85	25.54	30.24	1.0564
41	30	20	535980	2679.9	DFT-s-OFDM PI/2 BPSK	25@12	23.99	22.85	26.47	31.17	1.3085
41	30	20	535980	2679.9	DFT-s-OFDM PI/2 BPSK	1@1	23.71	22.85	26.31	31.01	1.2623
41	30	20	535980	2679.9	DFT-s-OFDM PI/2 BPSK	1@49	23.91	22.68	26.35	31.05	1.2731
41	30	20	535980	2679.9	DFT-s-OFDM QPSK	25@12	23.99	22.91	26.49	31.19	1.3164
41	30	20	535980	2679.9	DFT-s-OFDM QPSK	1@1	23.7	22.89	26.32	31.02	1.2659
41	30	20	535980	2679.9	DFT-s-OFDM QPSK	1@49	23.9	22.89	26.43	31.13	1.2986
41	30	20	535980	2679.9	DFT-s-OFDM 16 QAM	25@12	22.87	22.87	25.88	30.58	1.1430
41	30	20	535980	2679.9	DFT-s-OFDM 16 QAM	1@1	22.72	22.97	25.86	30.56	1.1369
41	30	20	535980	2679.9	DFT-s-OFDM 16 QAM	1@49	22.95	22.95	25.96	30.66	1.1642
41	30	20	535980	2679.9	DFT-s-OFDM 64 QAM	25@12	21.43	22.95	25.27	29.97	0.9923
41	30	20	535980	2679.9	DFT-s-OFDM 64 QAM	1@1	20.96	22.8	24.99	29.69	0.9305
41	30	20	535980	2679.9	DFT-s-OFDM 64 QAM	1@49	21.11	22.74	25.01	29.71	0.9357
41	30	20	535980	2679.9	DFT-s-OFDM 256 QAM	25@12	19.55	22.92	24.56	29.26	0.8442
41	30	20	535980	2679.9	DFT-s-OFDM 256 QAM	1@1	19.37	22.85	24.46	29.16	0.8241
41	30	20	535980	2679.9	DFT-s-OFDM 256 QAM	1@49	19.59	22.72	24.44	29.14	0.8206
41	30	20	535980	2679.9	CP-OFDM QPSK	25@12	22.34	22.85	25.61	30.31	1.0747
41	30	20	535980	2679.9	CP-OFDM QPSK	1@1	22.11	22.86	25.51	30.21	1.0499
41	30	20	535980	2679.9	CP-OFDM QPSK	1@49	22.36	22.7	25.54	30.24	1.0577
41	30	40	503202	2516.01	DFT-s-OFDM PI/2 BPSK	50@25	23.83	22.89	26.40	31.10	1.2870
41	30	40	503202	2516.01	DFT-s-OFDM PI/2 BPSK	1@1	23.23	22.97	26.11	30.81	1.2057
41	30	40	503202	2516.01	DFT-s-OFDM PI/2 BPSK	1@104	23.45	22.74	26.12	30.82	1.2078

41	30	40	503202	2516.01	DFT-s-OFDM QPSK	50@25	23.86	22.9	26.42	31.12	1.2932
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	1@1	23.36	22.7	26.05	30.75	1.1893
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	1@104	23.59	22.81	26.23	30.93	1.2382
41	30	40	503202	2516.01	DFT-s-OFDM 16 QAM	50@25	22.76	22.7	25.74	30.44	1.1067
41	30	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@1	22.34	22.69	25.53	30.23	1.0541
41	30	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@104	22.61	22.96	25.80	30.50	1.1217
41	30	40	503202	2516.01	DFT-s-OFDM 64 QAM	50@25	21.24	22.82	25.11	29.81	0.9576
41	30	40	503202	2516.01	DFT-s-OFDM 64 QAM	1@1	20.87	22.78	24.94	29.64	0.9203
41	30	40	503202	2516.01	DFT-s-OFDM 64 QAM	1@104	20.98	22.97	25.10	29.80	0.9546
41	30	40	503202	2516.01	DFT-s-OFDM 256 QAM	50@25	19.42	22.96	24.55	29.25	0.8417
41	30	40	503202	2516.01	DFT-s-OFDM 256 QAM	1@1	19.14	22.91	24.43	29.13	0.8189
41	30	40	503202	2516.01	DFT-s-OFDM 256 QAM	1@104	19.37	22.73	24.38	29.08	0.8086
41	30	40	503202	2516.01	CP-OFDM QPSK	53@26	22.53	22.98	25.77	30.47	1.1146
41	30	40	503202	2516.01	CP-OFDM QPSK	1@1	22.32	22.84	25.60	30.30	1.0710
41	30	40	503202	2516.01	CP-OFDM QPSK	1@104	22.34	22.93	25.66	30.36	1.0853
41	30	40	517602	2588.01	DFT-s-OFDM PI/2 BPSK	50@25	23.93	22.84	26.43	31.13	1.2970
41	30	40	517602	2588.01	DFT-s-OFDM PI/2 BPSK	1@1	23.51	22.89	26.22	30.92	1.2363
41	30	40	517602	2588.01	DFT-s-OFDM PI/2 BPSK	1@104	23.72	22.77	26.28	30.98	1.2535
41	30	40	517602	2588.01	DFT-s-OFDM QPSK	50@25	23.99	22.68	26.39	31.09	1.2866
41	30	40	517602	2588.01	DFT-s-OFDM QPSK	1@1	23.58	22.71	26.18	30.88	1.2238
41	30	40	517602	2588.01	DFT-s-OFDM QPSK	1@104	23.74	22.72	26.27	30.97	1.2503
41	30	40	517602	2588.01	DFT-s-OFDM 16 QAM	50@25	22.9	22.82	25.87	30.57	1.1404
41	30	40	517602	2588.01	DFT-s-OFDM 16 QAM	1@1	22.48	22.8	25.65	30.35	1.0847
41	30	40	517602	2588.01	DFT-s-OFDM 16 QAM	1@104	22.59	22.78	25.70	30.40	1.0956

41	30	40	517602	2588.01	DFT-s-OFDM 64 QAM	50@25	21.43	22.9	25.24	29.94	0.9856
41	30	40	517602	2588.01	DFT-s-OFDM 64 QAM	1@1	21.07	22.82	25.04	29.74	0.9425
41	30	40	517602	2588.01	DFT-s-OFDM 64 QAM	1@104	21.19	22.94	25.16	29.86	0.9689
41	30	40	517602	2588.01	DFT-s-OFDM 256 QAM	50@25	19.85	22.98	24.70	29.40	0.8712
41	30	40	517602	2588.01	DFT-s-OFDM 256 QAM	1@1	19.56	22.96	24.59	29.29	0.8501
41	30	40	517602	2588.01	DFT-s-OFDM 256 QAM	1@104	19.51	22.8	24.47	29.17	0.8260
41	30	40	517602	2588.01	CP-OFDM QPSK	53@26	22.35	22.91	25.65	30.35	1.0838
41	30	40	517602	2588.01	CP-OFDM QPSK	1@1	22.05	22.71	25.40	30.10	1.0240
41	30	40	517602	2588.01	CP-OFDM QPSK	1@104	22.14	22.92	25.56	30.26	1.0612
41	30	40	533958	2669.79	DFT-s-OFDM PI/2 BPSK	50@25	23.95	22.87	26.45	31.15	1.3043
41	30	40	533958	2669.79	DFT-s-OFDM PI/2 BPSK	1@1	23.39	22.95	26.19	30.89	1.2263
41	30	40	533958	2669.79	DFT-s-OFDM PI/2 BPSK	1@104	23.7	22.85	26.31	31.01	1.2607
41	30	40	533958	2669.79	DFT-s-OFDM QPSK	50@25	23.96	22.94	26.49	31.19	1.3153
41	30	40	533958	2669.79	DFT-s-OFDM QPSK	1@1	23.42	22.72	26.09	30.79	1.2007
41	30	40	533958	2669.79	DFT-s-OFDM QPSK	1@104	23.71	22.77	26.28	30.98	1.2519
41	30	40	533958	2669.79	DFT-s-OFDM 16 QAM	50@25	22.86	22.69	25.79	30.49	1.1184
41	30	40	533958	2669.79	DFT-s-OFDM 16 QAM	1@1	22.81	22.68	25.76	30.46	1.1107
41	30	40	533958	2669.79	DFT-s-OFDM 16 QAM	1@104	22.67	22.91	25.80	30.50	1.1225
41	30	40	533958	2669.79	DFT-s-OFDM 64 QAM	50@25	21.53	22.8	25.22	29.92	0.9821
41	30	40	533958	2669.79	DFT-s-OFDM 64 QAM	1@1	21.36	22.68	25.08	29.78	0.9507
41	30	40	533958	2669.79	DFT-s-OFDM 64 QAM	1@104	21.58	22.76	25.22	29.92	0.9818
41	30	40	533958	2669.79	DFT-s-OFDM 256 QAM	50@25	19.54	22.7	24.41	29.11	0.8150
41	30	40	533958	2669.79	DFT-s-OFDM 256 QAM	1@1	19.05	22.78	24.31	29.01	0.7969
41	30	40	533958	2669.79	DFT-s-OFDM 256 QAM	1@104	19.35	22.7	24.35	29.05	0.8036

41	30	40	533958	2669.79	CP-OFDM QPSK	53@26	22.36	22.89	25.64	30.34	1.0823
41	30	40	533958	2669.79	CP-OFDM QPSK	1@1	21.87	22.96	25.46	30.16	1.0374
41	30	40	533958	2669.79	CP-OFDM QPSK	1@104	22.16	22.73	25.46	30.16	1.0386
41	30	50	504240	2521.2	DFT-s-OFDM PI/2 BPSK	64@32	23.89	22.68	26.34	31.04	1.2698
41	30	50	504240	2521.2	DFT-s-OFDM PI/2 BPSK	1@1	23.46	22.85	26.18	30.88	1.2235
41	30	50	504240	2521.2	DFT-s-OFDM PI/2 BPSK	1@131	23.74	22.96	26.38	31.08	1.2817
41	30	50	504240	2521.2	DFT-s-OFDM QPSK	64@32	23.91	22.83	26.41	31.11	1.2923
41	30	50	504240	2521.2	DFT-s-OFDM QPSK	1@1	23.6	22.84	26.25	30.95	1.2436
41	30	50	504240	2521.2	DFT-s-OFDM QPSK	1@131	23.95	22.95	26.49	31.19	1.3149
41	30	50	504240	2521.2	DFT-s-OFDM 16 QAM	64@32	22.81	22.79	25.81	30.51	1.1247
41	30	50	504240	2521.2	DFT-s-OFDM 16 QAM	1@1	22.61	22.7	25.67	30.37	1.0878
41	30	50	504240	2521.2	DFT-s-OFDM 16 QAM	1@131	22.97	22.94	25.97	30.67	1.1656
41	30	50	504240	2521.2	DFT-s-OFDM 64 QAM	64@32	21.32	22.86	25.17	29.87	0.9701
41	30	50	504240	2521.2	DFT-s-OFDM 64 QAM	1@1	21.13	22.71	25.00	29.70	0.9336
41	30	50	504240	2521.2	DFT-s-OFDM 64 QAM	1@131	21.27	22.81	25.12	29.82	0.9590
41	30	50	504240	2521.2	DFT-s-OFDM 256 QAM	64@32	19.56	22.88	24.54	29.24	0.8395
41	30	50	504240	2521.2	DFT-s-OFDM 256 QAM	1@1	19.68	22.93	24.61	29.31	0.8536
41	30	50	504240	2521.2	DFT-s-OFDM 256 QAM	1@131	19.63	22.69	24.43	29.13	0.8193
41	30	50	504240	2521.2	CP-OFDM QPSK	67@33	22.53	22.79	25.67	30.37	1.0895
41	30	50	504240	2521.2	CP-OFDM QPSK	1@1	22.34	22.97	25.68	30.38	1.0906
41	30	50	504240	2521.2	CP-OFDM QPSK	1@131	22.57	22.85	25.72	30.42	1.1022
41	30	50	517620	2588.1	DFT-s-OFDM PI/2 BPSK	64@32	24.04	22.74	26.45	31.15	1.3028
41	30	50	517620	2588.1	DFT-s-OFDM PI/2 BPSK	1@1	23.74	22.83	26.32	31.02	1.2645
41	30	50	517620	2588.1	DFT-s-OFDM PI/2 BPSK	1@131	23.97	22.89	26.47	31.17	1.3103
41	30	50	517620	2588.1	DFT-s-OFDM QPSK	64@32	24.03	22.88	26.50	31.20	1.3192

41	30	50	517620	2588.1	DFT-s-OFDM QPSK	1@1	23.88	22.88	26.42	31.12	1.2939
41	30	50	517620	2588.1	DFT-s-OFDM QPSK	1@131	23.99	22.78	26.44	31.14	1.2994
41	30	50	517620	2588.1	DFT-s-OFDM 16 QAM	64@32	23	22.96	25.99	30.69	1.1723
41	30	50	517620	2588.1	DFT-s-OFDM 16 QAM	1@1	22.88	22.91	25.91	30.61	1.1496
41	30	50	517620	2588.1	DFT-s-OFDM 16 QAM	1@131	22.99	22.72	25.87	30.57	1.1396
41	30	50	517620	2588.1	DFT-s-OFDM 64 QAM	64@32	21.48	22.97	25.30	30.00	0.9997
41	30	50	517620	2588.1	DFT-s-OFDM 64 QAM	1@1	21.25	22.91	25.17	29.87	0.9703
41	30	50	517620	2588.1	DFT-s-OFDM 64 QAM	1@131	21.43	22.82	25.19	29.89	0.9751
41	30	50	517620	2588.1	DFT-s-OFDM 256 QAM	64@32	19.5	22.69	24.39	29.09	0.8113
41	30	50	517620	2588.1	DFT-s-OFDM 256 QAM	1@1	19.36	22.7	24.35	29.05	0.8042
41	30	50	517620	2588.1	DFT-s-OFDM 256 QAM	1@131	19.45	22.75	24.42	29.12	0.8159
41	30	50	517620	2588.1	CP-OFDM QPSK	67@33	22.32	22.89	25.62	30.32	1.0776
41	30	50	517620	2588.1	CP-OFDM QPSK	1@1	22.36	22.93	25.66	30.36	1.0876
41	30	50	517620	2588.1	CP-OFDM QPSK	1@131	22.38	22.74	25.57	30.27	1.0651
41	30	50	532980	2664.9	DFT-s-OFDM PI/2 BPSK	64@32	23.96	22.68	26.38	31.08	1.2815
41	30	50	532980	2664.9	DFT-s-OFDM PI/2 BPSK	1@1	23.65	22.98	26.34	31.04	1.2700
41	30	50	532980	2664.9	DFT-s-OFDM PI/2 BPSK	1@131	23.92	22.75	26.38	31.08	1.2837
41	30	50	532980	2664.9	DFT-s-OFDM QPSK	64@32	23.97	22.9	26.48	31.18	1.3116
41	30	50	532980	2664.9	DFT-s-OFDM QPSK	1@1	23.68	22.96	26.35	31.05	1.2721
41	30	50	532980	2664.9	DFT-s-OFDM QPSK	1@131	23.97	22.76	26.42	31.12	1.2934
41	30	50	532980	2664.9	DFT-s-OFDM 16 QAM	64@32	22.88	22.89	25.90	30.60	1.1469
41	30	50	532980	2664.9	DFT-s-OFDM 16 QAM	1@1	22.82	22.98	25.91	30.61	1.1511
41	30	50	532980	2664.9	DFT-s-OFDM 16 QAM	1@131	22.99	22.8	25.91	30.61	1.1498
41	30	50	532980	2664.9	DFT-s-OFDM 64 QAM	64@32	21.45	22.82	25.20	29.90	0.9770

41	30	50	532980	2664.9	DFT-s-OFDM 64 QAM	1@1	21.14	22.82	25.07	29.77	0.9486
41	30	50	532980	2664.9	DFT-s-OFDM 64 QAM	1@131	21.37	22.96	25.25	29.95	0.9880
41	30	50	532980	2664.9	DFT-s-OFDM 256 QAM	64@32	19.5	22.88	24.52	29.22	0.8358
41	30	50	532980	2664.9	DFT-s-OFDM 256 QAM	1@1	19.69	22.75	24.49	29.19	0.8307
41	30	50	532980	2664.9	DFT-s-OFDM 256 QAM	1@131	19.65	22.83	24.54	29.24	0.8385
41	30	50	532980	2664.9	CP-OFDM QPSK	67@33	22.33	22.76	25.56	30.26	1.0618
41	30	50	532980	2664.9	CP-OFDM QPSK	1@1	22.15	22.82	25.51	30.21	1.0491
41	30	50	532980	2664.9	CP-OFDM QPSK	1@131	22.35	22.76	25.57	30.27	1.0642
41	30	60	505218	2526.09	DFT-s-OFDM PI/2 BPSK	81@40	23.89	22.85	26.41	31.11	1.2916
41	30	60	505218	2526.09	DFT-s-OFDM PI/2 BPSK	1@1	23.36	22.96	26.17	30.87	1.2232
41	30	60	505218	2526.09	DFT-s-OFDM PI/2 BPSK	1@160	23.68	22.82	26.28	30.98	1.2536
41	30	60	505218	2526.09	DFT-s-OFDM QPSK	81@40	23.91	22.78	26.39	31.09	1.2859
41	30	60	505218	2526.09	DFT-s-OFDM QPSK	1@1	23.36	22.85	26.12	30.82	1.2086
41	30	60	505218	2526.09	DFT-s-OFDM QPSK	1@160	23.86	22.87	26.40	31.10	1.2893
41	30	60	505218	2526.09	DFT-s-OFDM 16 QAM	81@40	22.87	22.94	25.92	30.62	1.1522
41	30	60	505218	2526.09	DFT-s-OFDM 16 QAM	1@1	22.36	22.76	25.57	30.27	1.0653
41	30	60	505218	2526.09	DFT-s-OFDM 16 QAM	1@160	22.86	22.92	25.90	30.60	1.1483
41	30	60	505218	2526.09	DFT-s-OFDM 64 QAM	81@40	21.31	22.83	25.15	29.85	0.9653
41	30	60	505218	2526.09	DFT-s-OFDM 64 QAM	1@1	21.19	22.96	25.17	29.87	0.9716
41	30	60	505218	2526.09	DFT-s-OFDM 64 QAM	1@160	21.48	22.75	25.17	29.87	0.9709
41	30	60	505218	2526.09	DFT-s-OFDM 256 QAM	81@40	19.85	22.93	24.67	29.37	0.8645
41	30	60	505218	2526.09	DFT-s-OFDM 256 QAM	1@1	19.65	22.72	24.46	29.16	0.8243
41	30	60	505218	2526.09	DFT-s-OFDM 256 QAM	1@160	19.58	22.97	24.61	29.31	0.8527
41	30	60	505218	2526.09	CP-OFDM QPSK	81@40	22.31	22.94	25.65	30.35	1.0831

41	30	60	505218	2526.09	CP-OFDM QPSK	1@1	21.71	22.91	25.36	30.06	1.0143
41	30	60	505218	2526.09	CP-OFDM QPSK	1@160	22.2	22.72	25.48	30.18	1.0419
41	30	60	517578	2587.89	DFT-s-OFDM PI/2 BPSK	81@40	24.02	22.78	26.45	31.15	1.3045
41	30	60	517578	2587.89	DFT-s-OFDM PI/2 BPSK	1@1	23.39	22.83	26.13	30.83	1.2104
41	30	60	517578	2587.89	DFT-s-OFDM PI/2 BPSK	1@160	23.81	22.77	26.33	31.03	1.2680
41	30	60	517578	2587.89	DFT-s-OFDM QPSK	81@40	24.02	22.75	26.44	31.14	1.3006
41	30	60	517578	2587.89	DFT-s-OFDM QPSK	1@1	23.58	22.86	26.25	30.95	1.2431
41	30	60	517578	2587.89	DFT-s-OFDM QPSK	1@160	23.82	22.68	26.30	31.00	1.2582
41	30	60	517578	2587.89	DFT-s-OFDM 16 QAM	81@40	22.96	22.82	25.90	30.60	1.1484
41	30	60	517578	2587.89	DFT-s-OFDM 16 QAM	1@1	22.3	22.79	25.56	30.26	1.0622
41	30	60	517578	2587.89	DFT-s-OFDM 16 QAM	1@160	22.65	22.69	25.68	30.38	1.0915
41	30	60	517578	2587.89	DFT-s-OFDM 64 QAM	81@40	21.44	22.82	25.19	29.89	0.9761
41	30	60	517578	2587.89	DFT-s-OFDM 64 QAM	1@1	20.7	22.82	24.90	29.60	0.9117
41	30	60	517578	2587.89	DFT-s-OFDM 64 QAM	1@160	21.05	22.91	25.09	29.79	0.9526
41	30	60	517578	2587.89	DFT-s-OFDM 256 QAM	81@40	19.56	22.69	24.41	29.11	0.8150
41	30	60	517578	2587.89	DFT-s-OFDM 256 QAM	1@1	19.3	22.7	24.33	29.03	0.8007
41	30	60	517578	2587.89	DFT-s-OFDM 256 QAM	1@160	19.66	22.98	24.64	29.34	0.8590
41	30	60	517578	2587.89	CP-OFDM QPSK	81@40	22.15	22.75	25.47	30.17	1.0401
41	30	60	517578	2587.89	CP-OFDM QPSK	1@1	21.92	22.97	25.49	30.19	1.0440
41	30	60	517578	2587.89	CP-OFDM QPSK	1@160	22.22	22.95	25.61	30.31	1.0741
41	30	60	531942	2659.71	DFT-s-OFDM PI/2 BPSK	81@40	23.56	22.92	26.26	30.96	1.2480
41	30	60	531942	2659.71	DFT-s-OFDM PI/2 BPSK	1@1	23.47	22.76	26.14	30.84	1.2133
41	30	60	531942	2659.71	DFT-s-OFDM PI/2 BPSK	1@160	23.78	22.76	26.31	31.01	1.2619
41	30	60	531942	2659.71	DFT-s-OFDM QPSK	81@40	23.98	22.8	26.44	31.14	1.3002
41	30	60	531942	2659.71	DFT-s-OFDM	1@1	23.51	22.93	26.24	30.94	1.2416

					QPSK						
41	30	60	531942	2659.71	DFT-s-OFDM QPSK	1@160	23.83	22.68	26.30	31.00	1.2599
41	30	60	531942	2659.71	DFT-s-OFDM 16 QAM	81@40	22.91	22.76	25.85	30.55	1.1340
41	30	60	531942	2659.71	DFT-s-OFDM 16 QAM	1@1	22.54	22.85	25.71	30.41	1.0985
41	30	60	531942	2659.71	DFT-s-OFDM 16 QAM	1@160	22.9	22.83	25.88	30.58	1.1417
41	30	60	531942	2659.71	DFT-s-OFDM 64 QAM	81@40	21.42	22.93	25.25	29.95	0.9887
41	30	60	531942	2659.71	DFT-s-OFDM 64 QAM	1@1	20.97	22.71	24.94	29.64	0.9198
41	30	60	531942	2659.71	DFT-s-OFDM 64 QAM	1@160	21.28	22.9	25.18	29.88	0.9717
41	30	60	531942	2659.71	DFT-s-OFDM 256 QAM	81@40	19.56	22.94	24.58	29.28	0.8475
41	30	60	531942	2659.71	DFT-s-OFDM 256 QAM	1@1	19.3	22.95	24.51	29.21	0.8333
41	30	60	531942	2659.71	DFT-s-OFDM 256 QAM	1@160	19.69	22.78	24.51	29.21	0.8345
41	30	60	531942	2659.71	CP-OFDM QPSK	81@40	22.4	22.89	25.66	30.36	1.0870
41	30	60	531942	2659.71	CP-OFDM QPSK	1@1	21.92	22.88	25.44	30.14	1.0320
41	30	60	531942	2659.71	CP-OFDM QPSK	1@160	22.23	22.79	25.53	30.23	1.0542
41	30	80	507240	2536.2	DFT-s-OFDM PI/2 BPSK	108@54	23.56	22.77	26.19	30.89	1.2284
41	30	80	507240	2536.2	DFT-s-OFDM PI/2 BPSK	1@1	23.36	22.83	26.11	30.81	1.2060
41	30	80	507240	2536.2	DFT-s-OFDM PI/2 BPSK	1@215	23.58	22.8	26.22	30.92	1.2353
41	30	80	507240	2536.2	DFT-s-OFDM QPSK	108@54	23.53	22.8	26.19	30.89	1.2276
41	30	80	507240	2536.2	DFT-s-OFDM QPSK	1@1	23.56	22.7	26.16	30.86	1.2194
41	30	80	507240	2536.2	DFT-s-OFDM QPSK	1@215	23.84	22.75	26.34	31.04	1.2704
41	30	80	507240	2536.2	DFT-s-OFDM 16 QAM	108@54	22.88	22.96	25.93	30.63	1.1562
41	30	80	507240	2536.2	DFT-s-OFDM 16 QAM	1@1	22.2	22.97	25.61	30.31	1.0746
41	30	80	507240	2536.2	DFT-s-OFDM 16 QAM	1@215	22.21	22.72	25.48	30.18	1.0430
41	30	80	507240	2536.2	DFT-s-OFDM 64 QAM	108@54	21.53	22.91	25.28	29.98	0.9965
41	30	80	507240	2536.2	DFT-s-	1@1	21.55	22.78	25.22	29.92	0.9815

					OFDM 64 QAM						
41	30	80	507240	2536.2	DFT-s- OFDM 64 QAM	1@215	21.58	22.75	25.21	29.91	0.9805
41	30	80	507240	2536.2	DFT-s- OFDM 256 QAM	108@54	19.52	22.91	24.55	29.25	0.8410
41	30	80	507240	2536.2	DFT-s- OFDM 256 QAM	1@1	19.52	22.85	24.51	29.21	0.8331
41	30	80	507240	2536.2	DFT-s- OFDM 256 QAM	1@215	19.39	22.89	24.49	29.19	0.8306
41	30	80	507240	2536.2	CP-OFDM QPSK	109@54	22.32	22.91	25.64	30.34	1.0803
41	30	80	507240	2536.2	CP-OFDM QPSK	1@1	21.62	22.93	25.33	30.03	1.0080
41	30	80	507240	2536.2	CP-OFDM QPSK	1@215	22.27	22.77	25.54	30.24	1.0562
41	30	80	517620	2588.1	DFT-s- OFDM PI/2 BPSK	108@54	23.85	22.74	26.34	31.04	1.2708
41	30	80	517620	2588.1	DFT-s- OFDM PI/2 BPSK	1@1	23.58	22.74	26.19	30.89	1.2276
41	30	80	517620	2588.1	DFT-s- OFDM PI/2 BPSK	1@215	23.67	22.96	26.34	31.04	1.2705
41	30	80	517620	2588.1	DFT-s- OFDM QPSK	108@54	24.05	22.68	26.43	31.13	1.2969
41	30	80	517620	2588.1	DFT-s- OFDM QPSK	1@1	23.25	22.74	26.01	30.71	1.1784
41	30	80	517620	2588.1	DFT-s- OFDM QPSK	1@215	23.73	22.96	26.37	31.07	1.2801
41	30	80	517620	2588.1	DFT-s- OFDM 16 QAM	108@54	22.91	22.96	25.95	30.65	1.1602
41	30	80	517620	2588.1	DFT-s- OFDM 16 QAM	1@1	22.22	22.72	25.49	30.19	1.0441
41	30	80	517620	2588.1	DFT-s- OFDM 16 QAM	1@215	22.78	22.72	25.76	30.46	1.1118
41	30	80	517620	2588.1	DFT-s- OFDM 64 QAM	108@54	21.43	22.87	25.22	29.92	0.9817
41	30	80	517620	2588.1	DFT-s- OFDM 64 QAM	1@1	20.68	22.93	24.96	29.66	0.9246
41	30	80	517620	2588.1	DFT-s- OFDM 64 QAM	1@215	21.21	22.9	25.15	29.85	0.9654
41	30	80	517620	2588.1	DFT-s- OFDM 256 QAM	108@54	19.82	22.89	24.63	29.33	0.8573
41	30	80	517620	2588.1	DFT-s- OFDM 256 QAM	1@1	19.09	22.95	24.45	29.15	0.8214
41	30	80	517620	2588.1	DFT-s- OFDM 256 QAM	1@215	19.63	22.92	24.59	29.29	0.8491
41	30	80	517620	2588.1	CP-OFDM QPSK	109@54	22.35	22.79	25.59	30.29	1.0680
41	30	80	517620	2588.1	CP-OFDM QPSK	1@1	22.16	22.96	25.59	30.29	1.0687

41	30	80	517620	2588.1	CP-OFDM QPSK	1@215	22.14	22.7	25.44	30.14	1.0326
41	30	80	529980	2649.9	DFT-s-OFDM PI/2 BPSK	108@54	23.53	22.69	26.14	30.84	1.2136
41	30	80	529980	2649.9	DFT-s-OFDM PI/2 BPSK	1@1	23.87	22.72	26.34	31.04	1.2715
41	30	80	529980	2649.9	DFT-s-OFDM PI/2 BPSK	1@215	23.62	22.82	26.25	30.95	1.2441
41	30	80	529980	2649.9	DFT-s-OFDM QPSK	108@54	24.04	22.74	26.45	31.15	1.3028
41	30	80	529980	2649.9	DFT-s-OFDM QPSK	1@1	23.24	22.78	26.03	30.73	1.1821
41	30	80	529980	2649.9	DFT-s-OFDM QPSK	1@215	23.75	22.87	26.34	31.04	1.2713
41	30	80	529980	2649.9	DFT-s-OFDM 16 QAM	108@54	22.93	22.83	25.89	30.59	1.1457
41	30	80	529980	2649.9	DFT-s-OFDM 16 QAM	1@1	22.12	22.86	25.52	30.22	1.0510
41	30	80	529980	2649.9	DFT-s-OFDM 16 QAM	1@215	22.64	22.91	25.79	30.49	1.1188
41	30	80	529980	2649.9	DFT-s-OFDM 64 QAM	108@54	21.42	22.7	25.12	29.82	0.9588
41	30	80	529980	2649.9	DFT-s-OFDM 64 QAM	1@1	20.61	22.76	24.83	29.53	0.8968
41	30	80	529980	2649.9	DFT-s-OFDM 64 QAM	1@215	21.11	22.86	25.08	29.78	0.9512
41	30	80	529980	2649.9	DFT-s-OFDM 256 QAM	108@54	19.6	22.89	24.56	29.26	0.8433
41	30	80	529980	2649.9	DFT-s-OFDM 256 QAM	1@1	19.17	22.93	24.46	29.16	0.8232
41	30	80	529980	2649.9	DFT-s-OFDM 256 QAM	1@215	19.68	22.98	24.65	29.35	0.8603
41	30	80	529980	2649.9	CP-OFDM QPSK	109@54	22.38	22.98	25.70	30.40	1.0966
41	30	80	529980	2649.9	CP-OFDM QPSK	1@1	22.13	22.7	25.43	30.13	1.0315
41	30	80	529980	2649.9	CP-OFDM QPSK	1@215	22.11	22.69	25.42	30.12	1.0280
41	30	90	508242	2541.21	DFT-s-OFDM PI/2 BPSK	120@60	23.5	22.72	26.14	30.84	1.2128
41	30	90	508242	2541.21	DFT-s-OFDM PI/2 BPSK	1@1	23.31	22.78	26.06	30.76	1.1922
41	30	90	508242	2541.21	DFT-s-OFDM PI/2 BPSK	1@243	23.53	22.75	26.17	30.87	1.2212
41	30	90	508242	2541.21	DFT-s-OFDM QPSK	120@60	23.48	22.75	26.14	30.84	1.2136
41	30	90	508242	2541.21	DFT-s-OFDM QPSK	1@1	23.51	22.65	26.11	30.81	1.2055

41	30	90	508242	2541.21	DFT-s-OFDM QPSK	1@243	23.79	22.7	26.29	30.99	1.2559
41	30	90	508242	2541.21	DFT-s-OFDM 16 QAM	120@60	22.83	22.91	25.88	30.58	1.1430
41	30	90	508242	2541.21	DFT-s-OFDM 16 QAM	1@1	22.15	22.92	25.56	30.26	1.0623
41	30	90	508242	2541.21	DFT-s-OFDM 16 QAM	1@243	22.16	22.67	25.43	30.13	1.0310
41	30	90	508242	2541.21	DFT-s-OFDM 64 QAM	120@60	21.48	22.86	25.23	29.93	0.9851
41	30	90	508242	2541.21	DFT-s-OFDM 64 QAM	1@1	21.5	22.73	25.17	29.87	0.9702
41	30	90	508242	2541.21	DFT-s-OFDM 64 QAM	1@243	21.53	22.7	25.16	29.86	0.9693
41	30	90	508242	2541.21	DFT-s-OFDM 256 QAM	120@60	19.47	22.86	24.50	29.20	0.8314
41	30	90	508242	2541.21	DFT-s-OFDM 256 QAM	1@1	19.47	22.8	24.46	29.16	0.8236
41	30	90	508242	2541.21	DFT-s-OFDM 256 QAM	1@243	19.34	22.84	24.44	29.14	0.8211
41	30	90	508242	2541.21	CP-OFDM QPSK	123@61	22.27	22.86	25.59	30.29	1.0679
41	30	90	508242	2541.21	CP-OFDM QPSK	1@1	21.57	22.88	25.28	29.98	0.9964
41	30	90	508242	2541.21	CP-OFDM QPSK	1@243	22.22	22.72	25.49	30.19	1.0441
41	30	90	516582	2582.91	DFT-s-OFDM PI/2 BPSK	120@60	23.8	22.69	26.29	30.99	1.2562
41	30	90	516582	2582.91	DFT-s-OFDM PI/2 BPSK	1@1	23.53	22.69	26.14	30.84	1.2136
41	30	90	516582	2582.91	DFT-s-OFDM PI/2 BPSK	1@243	23.62	22.91	26.29	30.99	1.2560
41	30	90	516582	2582.91	DFT-s-OFDM QPSK	120@60	24	22.63	26.38	31.08	1.2821
41	30	90	516582	2582.91	DFT-s-OFDM QPSK	1@1	23.2	22.69	25.96	30.66	1.1649
41	30	90	516582	2582.91	DFT-s-OFDM QPSK	1@243	23.68	22.91	26.32	31.02	1.2654
41	30	90	516582	2582.91	DFT-s-OFDM 16 QAM	120@60	22.86	22.91	25.90	30.60	1.1469
41	30	90	516582	2582.91	DFT-s-OFDM 16 QAM	1@1	22.17	22.67	25.44	30.14	1.0322
41	30	90	516582	2582.91	DFT-s-OFDM 16 QAM	1@243	22.73	22.67	25.71	30.41	1.0991
41	30	90	516582	2582.91	DFT-s-OFDM 64 QAM	120@60	21.38	22.82	25.17	29.87	0.9704
41	30	90	516582	2582.91	DFT-s-OFDM 64 QAM	1@1	20.63	22.88	24.91	29.61	0.9140

41	30	90	516582	2582.91	DFT-s-OFDM 64 QAM	1@243	21.16	22.85	25.10	29.80	0.9543
41	30	90	516582	2582.91	DFT-s-OFDM 256 QAM	120@60	19.77	22.84	24.58	29.28	0.8474
41	30	90	516582	2582.91	DFT-s-OFDM 256 QAM	1@1	19.04	22.9	24.40	29.10	0.8120
41	30	90	516582	2582.91	DFT-s-OFDM 256 QAM	1@243	19.58	22.87	24.54	29.24	0.8394
41	30	90	516582	2582.91	CP-OFDM QPSK	123@61	22.3	22.74	25.54	30.24	1.0558
41	30	90	516582	2582.91	CP-OFDM QPSK	1@1	22.11	22.91	25.54	30.24	1.0565
41	30	90	516582	2582.91	CP-OFDM QPSK	1@243	22.09	22.65	25.39	30.09	1.0208
41	30	90	528978	2644.89	DFT-s-OFDM PI/2 BPSK	120@60	23.48	22.64	26.09	30.79	1.1997
41	30	90	528978	2644.89	DFT-s-OFDM PI/2 BPSK	1@1	23.82	22.67	26.29	30.99	1.2570
41	30	90	528978	2644.89	DFT-s-OFDM PI/2 BPSK	1@243	23.57	22.77	26.20	30.90	1.2299
41	30	90	528978	2644.89	DFT-s-OFDM QPSK	120@60	23.99	22.69	26.40	31.10	1.2879
41	30	90	528978	2644.89	DFT-s-OFDM QPSK	1@1	23.19	22.73	25.98	30.68	1.1685
41	30	90	528978	2644.89	DFT-s-OFDM QPSK	1@243	23.7	22.82	26.29	30.99	1.2568
41	30	90	528978	2644.89	DFT-s-OFDM 16 QAM	120@60	22.88	22.78	25.84	30.54	1.1326
41	30	90	528978	2644.89	DFT-s-OFDM 16 QAM	1@1	22.07	22.81	25.47	30.17	1.0390
41	30	90	528978	2644.89	DFT-s-OFDM 16 QAM	1@243	22.59	22.86	25.74	30.44	1.1060
41	30	90	528978	2644.89	DFT-s-OFDM 64 QAM	120@60	21.37	22.65	25.07	29.77	0.9478
41	30	90	528978	2644.89	DFT-s-OFDM 64 QAM	1@1	20.56	22.71	24.78	29.48	0.8865
41	30	90	528978	2644.89	DFT-s-OFDM 64 QAM	1@243	21.06	22.81	25.03	29.73	0.9403
41	30	90	528978	2644.89	DFT-s-OFDM 256 QAM	120@60	19.55	22.84	24.51	29.21	0.8336
41	30	90	528978	2644.89	DFT-s-OFDM 256 QAM	1@1	19.12	22.88	24.41	29.11	0.8138
41	30	90	528978	2644.89	DFT-s-OFDM 256 QAM	1@243	19.63	22.93	24.60	29.30	0.8504
41	30	90	528978	2644.89	CP-OFDM QPSK	123@61	22.33	22.93	25.65	30.35	1.0841
41	30	90	528978	2644.89	CP-OFDM QPSK	1@1	22.08	22.65	25.38	30.08	1.0197
41	30	90	528978	2644.89	CP-OFDM QPSK	1@243	22.06	22.64	25.37	30.07	1.0162

41	30	100	509220	2546.1	DFT-s-OFDM PI/2 BPSK	135@67	23.93	22.96	26.48	31.18	1.3129
41	30	100	509220	2546.1	DFT-s-OFDM PI/2 BPSK	1@1	23.36	22.75	26.08	30.78	1.1956
41	30	100	509220	2546.1	DFT-s-OFDM PI/2 BPSK	1@271	23.55	22.84	26.22	30.92	1.2359
41	30	100	509220	2546.1	DFT-s-OFDM QPSK	135@67	24.01	22.78	26.45	31.15	1.3028
41	30	100	509220	2546.1	DFT-s-OFDM QPSK	1@1	23.75	22.98	26.39	31.09	1.2860
41	30	100	509220	2546.1	DFT-s-OFDM QPSK	1@271	23.19	22.86	26.04	30.74	1.1853
41	30	100	509220	2546.1	DFT-s-OFDM 16 QAM	135@67	22.96	22.96	25.97	30.67	1.1669
41	30	100	509220	2546.1	DFT-s-OFDM 16 QAM	1@1	21.77	22.97	25.42	30.12	1.0284
41	30	100	509220	2546.1	DFT-s-OFDM 16 QAM	1@271	22.18	22.93	25.58	30.28	1.0670
41	30	100	509220	2546.1	DFT-s-OFDM 64 QAM	135@67	21.41	22.85	25.20	29.90	0.9772
41	30	100	509220	2546.1	DFT-s-OFDM 64 QAM	1@1	20.47	22.97	24.91	29.61	0.9136
41	30	100	509220	2546.1	DFT-s-OFDM 64 QAM	1@271	20.55	22.86	24.87	29.57	0.9051
41	30	100	509220	2546.1	DFT-s-OFDM 256 QAM	135@67	19.53	22.8	24.48	29.18	0.8272
41	30	100	509220	2546.1	DFT-s-OFDM 256 QAM	1@1	18.75	22.91	24.32	29.02	0.7981
41	30	100	509220	2546.1	DFT-s-OFDM 256 QAM	1@271	19.2	22.79	24.37	29.07	0.8065
41	30	100	509220	2546.1	CP-OFDM QPSK	137@68	21.56	22.94	25.31	30.01	1.0034
41	30	100	509220	2546.1	CP-OFDM QPSK	1@1	21.17	22.85	25.10	29.80	0.9552
41	30	100	509220	2546.1	CP-OFDM QPSK	1@271	21.53	22.83	25.24	29.94	0.9860
41	30	100	516600	2583	DFT-s-OFDM PI/2 BPSK	135@67	24	22.85	26.47	31.17	1.3102
41	30	100	516600	2583	DFT-s-OFDM PI/2 BPSK	1@1	22.63	22.9	25.78	30.48	1.1162
41	30	100	516600	2583	DFT-s-OFDM PI/2 BPSK	1@271	23.4	22.73	26.09	30.79	1.1990
41	30	100	516600	2583	DFT-s-OFDM QPSK	135@67	24.02	22.95	26.53	31.23	1.3268
41	30	100	516600	2583	DFT-s-OFDM QPSK	1@1	22.73	22.73	25.74	30.44	1.1067
41	30	100	516600	2583	DFT-s-OFDM QPSK	1@271	23.46	22.83	26.17	30.87	1.2209

41	30	100	516600	2583	DFT-s-OFDM 16 QAM	135@67	22.92	22.94	25.94	30.64	1.1589
41	30	100	516600	2583	DFT-s-OFDM 16 QAM	1@1	21.72	22.68	25.24	29.94	0.9855
41	30	100	516600	2583	DFT-s-OFDM 16 QAM	1@271	22.4	22.92	25.68	30.38	1.0910
41	30	100	516600	2583	DFT-s-OFDM 64 QAM	135@67	21.42	22.96	25.27	29.97	0.9927
41	30	100	516600	2583	DFT-s-OFDM 64 QAM	1@1	20.17	22.72	24.64	29.34	0.8590
41	30	100	516600	2583	DFT-s-OFDM 64 QAM	1@271	20.85	22.96	25.04	29.74	0.9424
41	30	100	516600	2583	DFT-s-OFDM 256 QAM	135@67	-30.57	22.78	22.78	27.48	0.5598
41	30	100	516600	2583	DFT-s-OFDM 256 QAM	1@1	18.62	22.76	24.18	28.88	0.7720
41	30	100	516600	2583	DFT-s-OFDM 256 QAM	1@271	19.35	22.68	24.34	29.04	0.8011
41	30	100	516600	2583	CP-OFDM QPSK	137@68	22.42	22.76	25.60	30.30	1.0724
41	30	100	516600	2583	CP-OFDM QPSK	1@1	21.11	22.84	25.07	29.77	0.9486
41	30	100	516600	2583	CP-OFDM QPSK	1@271	21.8	22.79	25.33	30.03	1.0077
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	135@67	24.01	22.9	26.50	31.20	1.3185
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	1@1	22.6	22.81	25.72	30.42	1.1007
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	1@271	23.41	22.97	26.21	30.91	1.2319
41	30	100	528000	2640	DFT-s-OFDM QPSK	135@67	24.02	22.97	26.54	31.24	1.3295
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@1	22.63	22.97	25.81	30.51	1.1255
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@271	23.5	22.95	26.24	30.94	1.2428
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	135@67	22.89	22.69	25.80	30.50	1.1224
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@1	21.67	22.86	25.32	30.02	1.0037
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@271	22.44	22.98	25.73	30.43	1.1037
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	135@67	21.43	22.82	25.19	29.89	0.9751
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@1	19.98	22.78	24.61	29.31	0.8535
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@271	20.66	22.92	24.95	29.65	0.9217

41	30	100	528000	2640	DFT-s-OFDM 256 QAM	135@67	19.35	22.84	24.45	29.15	0.8216
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@1	18.46	22.82	24.18	28.88	0.7720
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@271	19.3	22.69	24.33	29.03	0.7995
41	30	100	528000	2640	CP-OFDM QPSK	137@68	22.42	22.95	25.70	30.40	1.0973
41	30	100	528000	2640	CP-OFDM QPSK	1@1	21.06	22.75	25.00	29.70	0.9326
41	30	100	528000	2640	CP-OFDM QPSK	1@271	21.82	22.77	25.33	30.03	1.0072



FR1 N41AA(ANT5) – SCS 30kHz

Peak-to-Average Ratio

Mode	FR1 N41AA / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	PI/2 BPSK	QPSK	QPSK	Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.94	3.80	5.25	5.30	PASS
Middle CH	4.03	4.03	6.06	5.57	
Highest CH	4.26	4.14	5.36	5.62	



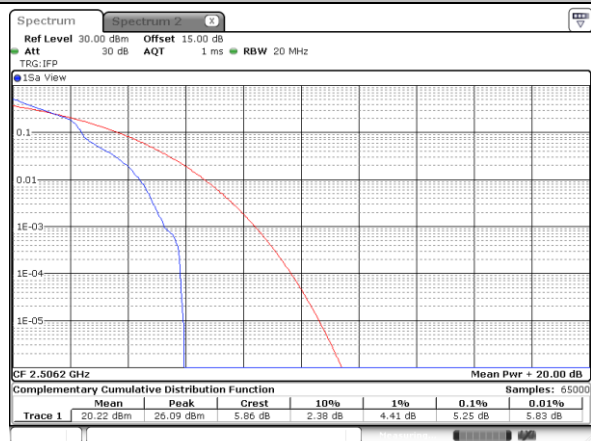
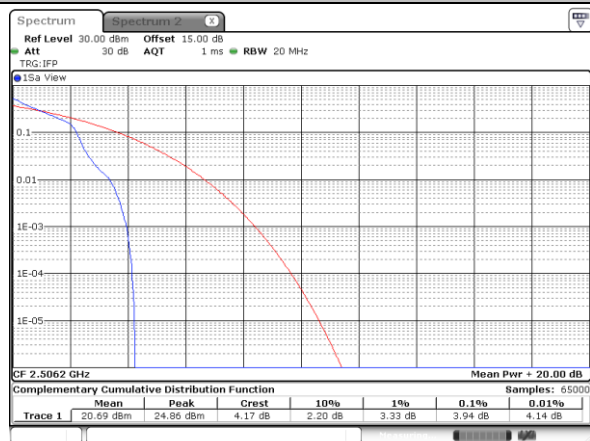
FR1 N41AA / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

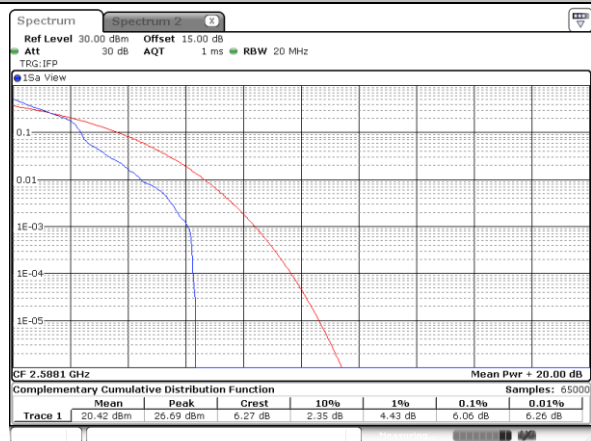
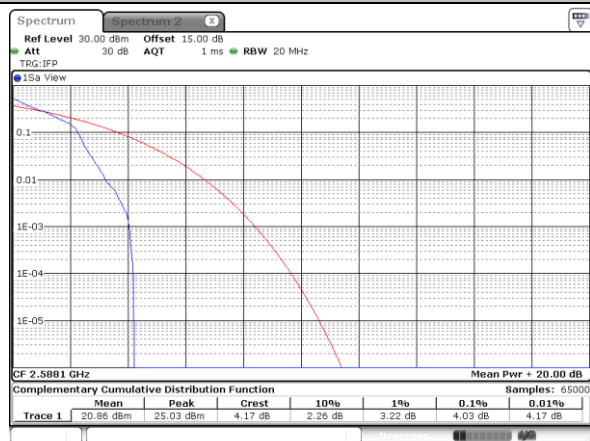
Lowest Channel / 1RB

Lowest Channel / 1RB



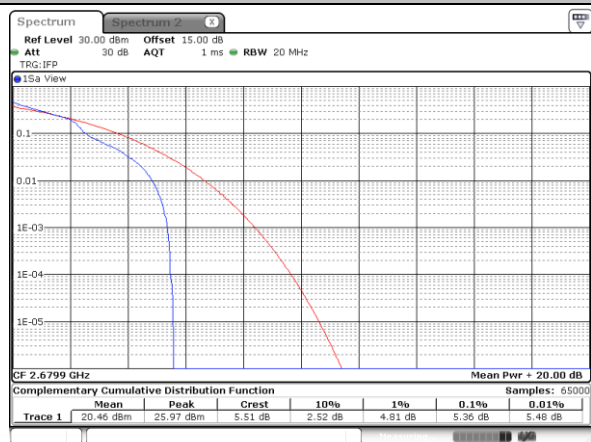
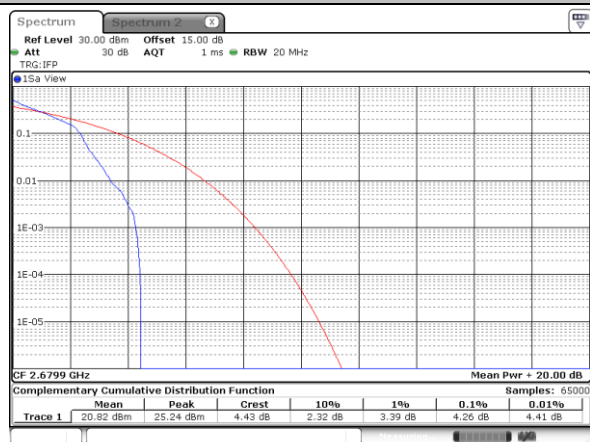
Middle Channel / 1 RB

Middle Channel / 1 RB



Highest Channel / 1 RB

Highest Channel / 1 RB





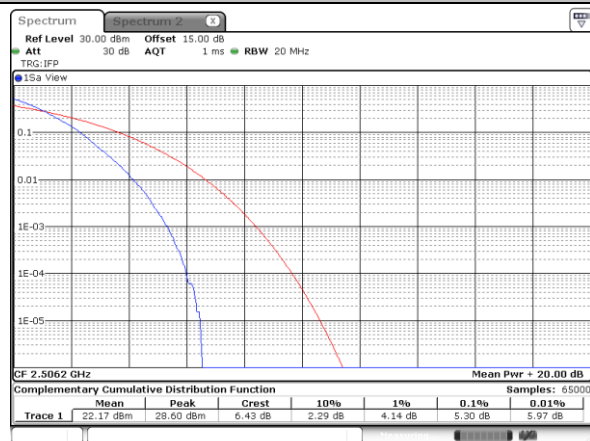
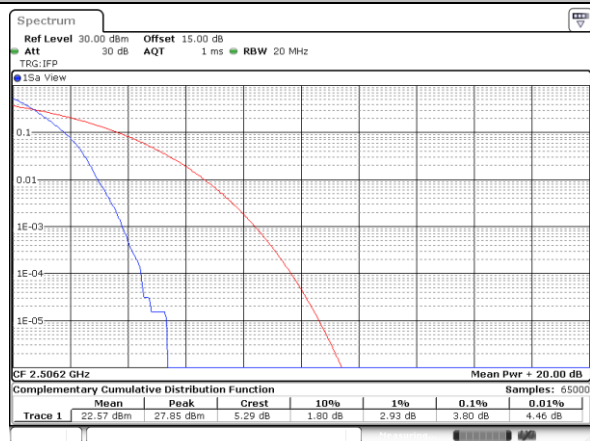
FR1 N41AA / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

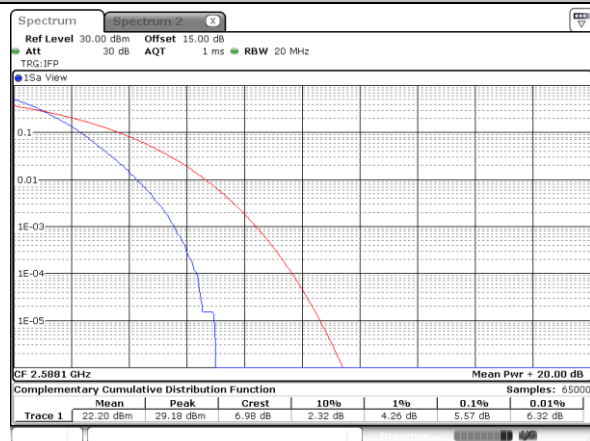
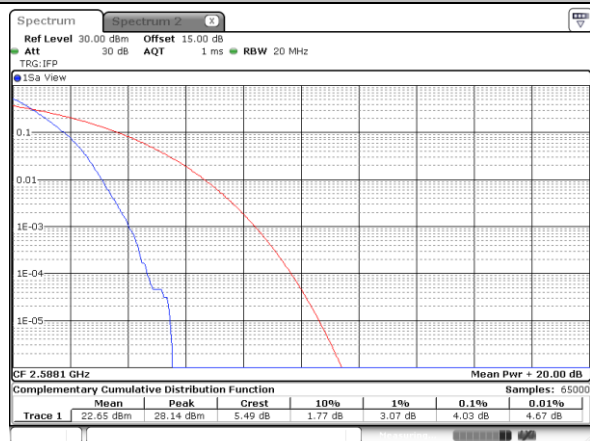
Lowest Channel / Full RB

Lowest Channel / Full RB



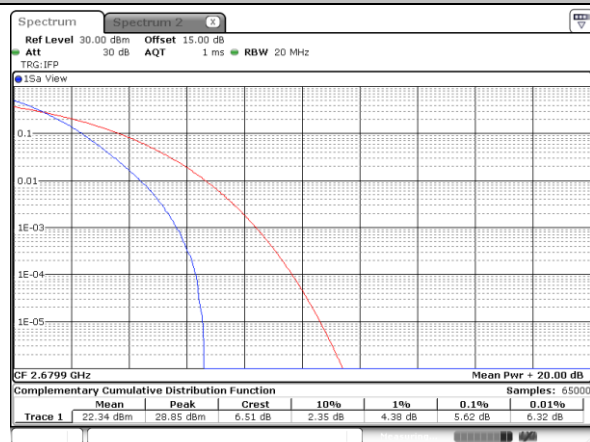
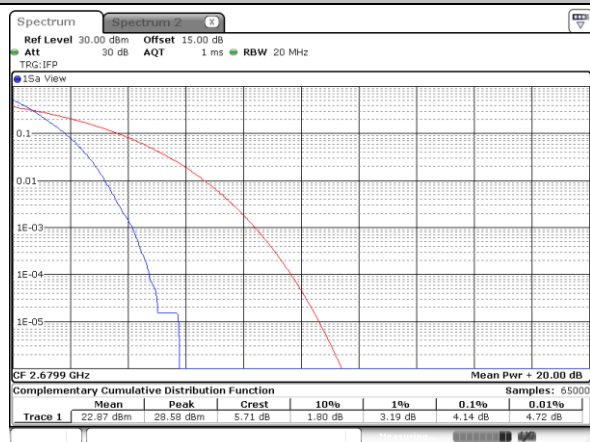
Middle Channel / Full RB

Middle Channel / Full RB



Highest Channel / Full RB

Highest Channel / Full RB



**26dB Bandwidth**

Mode	FR1 N41AA : 26dB BW(MHz) / CP-OFDM-LTE 20MHz+NR 10MHz							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	28.95	28.89	28.83	28.71				

Mode	FR1 N41AA : 26dB BW(MHz) / CP-OFDM-LTE 20MHz+NR 15MHz							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	33.62	33.74	33.74	33.86				

Mode	FR1 N41AA : 26dB BW(MHz) / CP-OFDM-LTE 10MHz+NR 20MHz							
BW	20MHz	20MHz	20MHz	20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	29.31	29.37	29.43	29.19				

Mode	FR1 N41AA : 26dB BW(MHz) / CP-OFDM -LTE 10MHz+NR 40MHz							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	50.35	50.45	50.95	50.35				

Mode	FR1 N41AA : 26dB BW(MHz) / CP-OFDM-LTE 10MHz+NR 50MHz							
BW	50MHz	50MHz	50MHz	50MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	60.34	60.34	60.44	60.14				

Mode	FR1 N41AA : 26dB BW(MHz) / CP-OFDM-LTE 10MHz+NR 60MHz							
BW	60MHz	60MHz	60MHz	60MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	70.73	70.61	70.61	70.25				

Mode	FR1 N41AA : 26dB BW(MHz) / CP-OFDM-LTE 10MHz+NR 80MHz							
BW	80MHz	80MHz	80MHz	80MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	90.47	90.31	90.31	90.31				



Mode	FR1 N41AA : 26dB BW(MHz) / CP-OFDM-LTE 20MHz+NR 90MHz							
BW	90MHz	90MHz	90MHz	90MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	110.05	110.05	109.87	109.87				

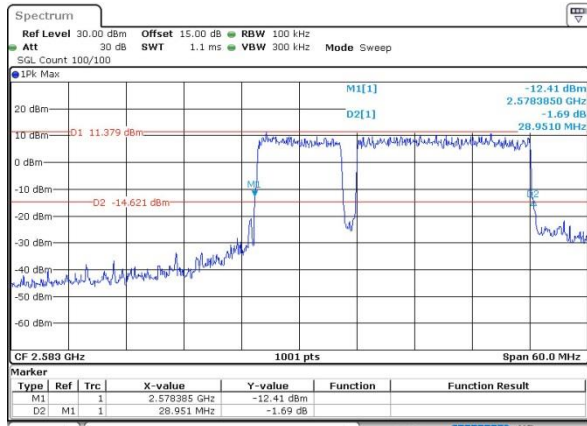
Mode	FR1 N41AA : 26dB BW(MHz) / CP-OFDM-LTE 20MHz+NR 100MHz							
BW	100MHz	100MHz	100MHz	100MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	119.88	120.28	119.68	119.88				



FR1 N41AA / 10MHz / CP-OFDM

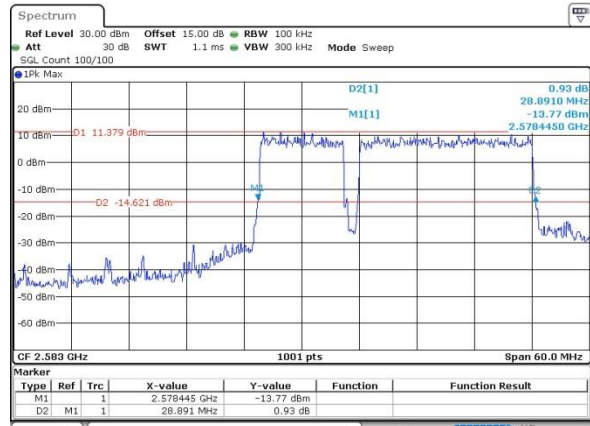
QPSK

Middle Channel



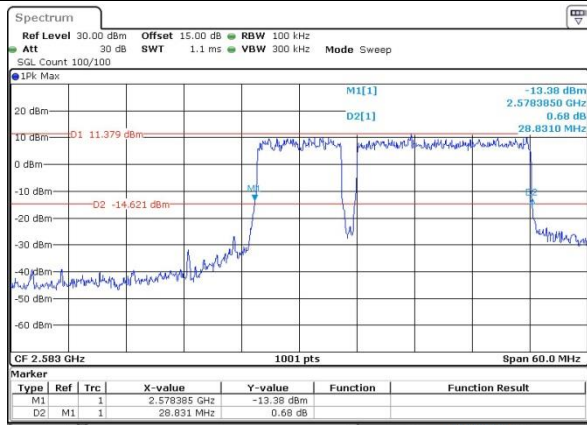
16QAM

Middle Channel



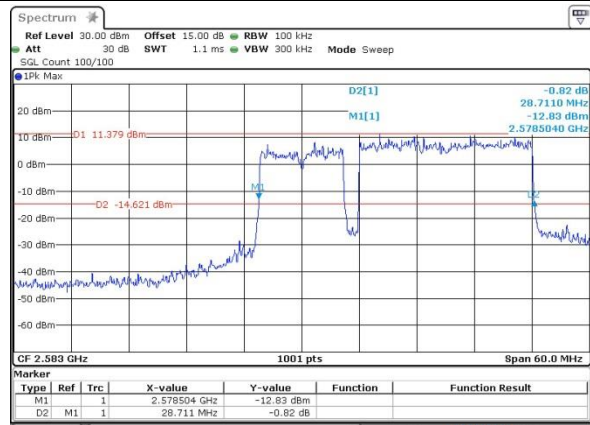
64QAM

Middle Channel



256QAM

Middle Channel

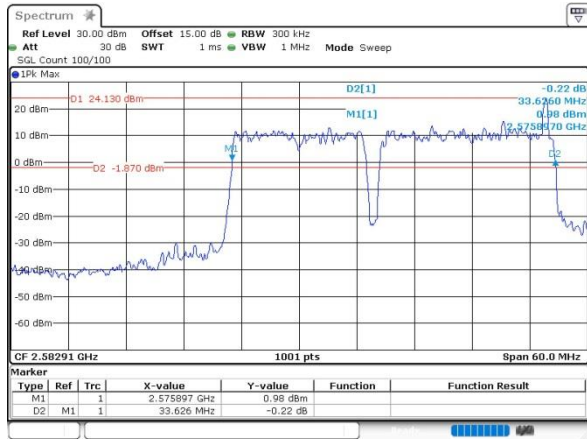




FR1 N41AA / 15MHz / CP-OFDM

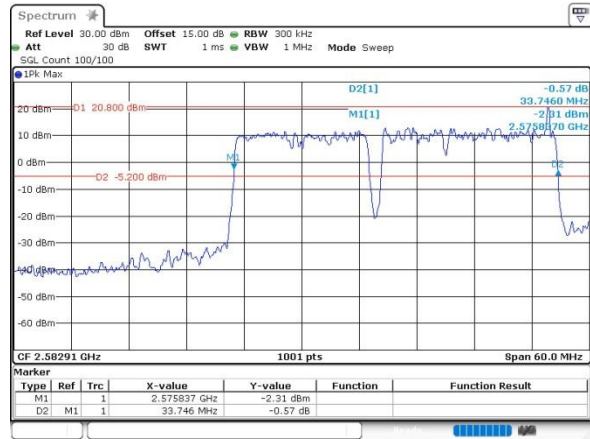
QPSK

Middle Channel



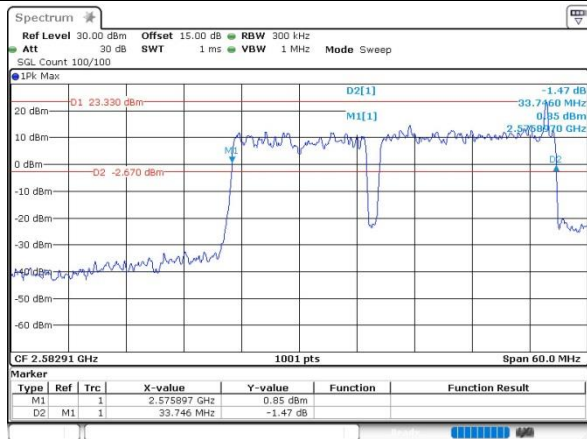
16QAM

Middle Channel



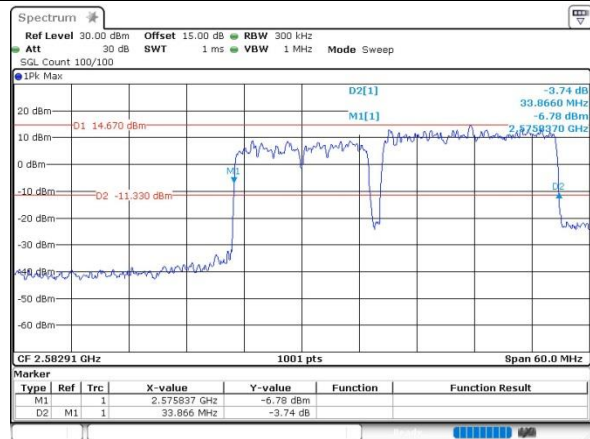
64QAM

Middle Channel



256QAM

Middle Channel

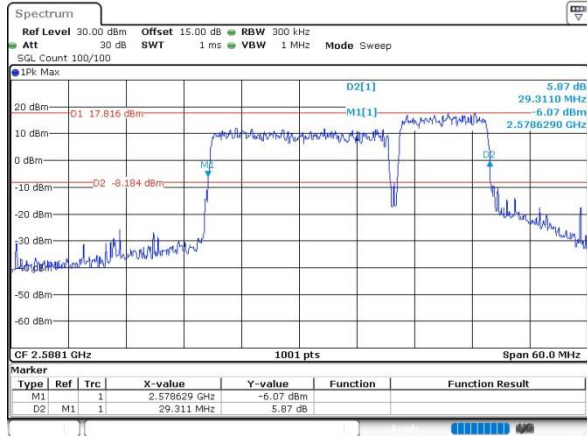




FR1 N41AA / 20MHz / CP-OFDM

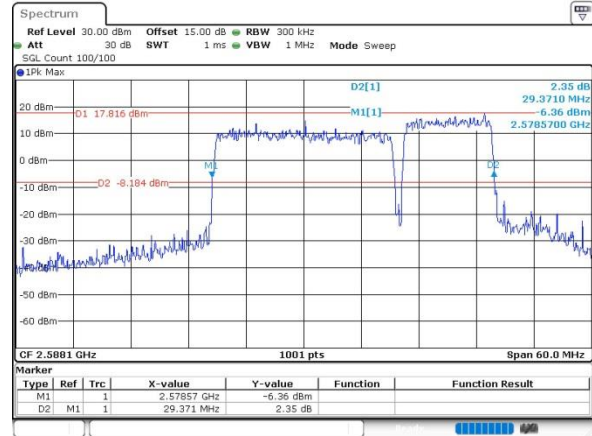
QPSK

Middle Channel



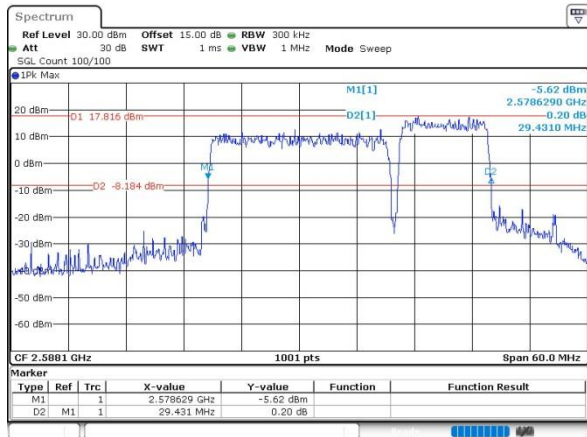
16QAM

Middle Channel



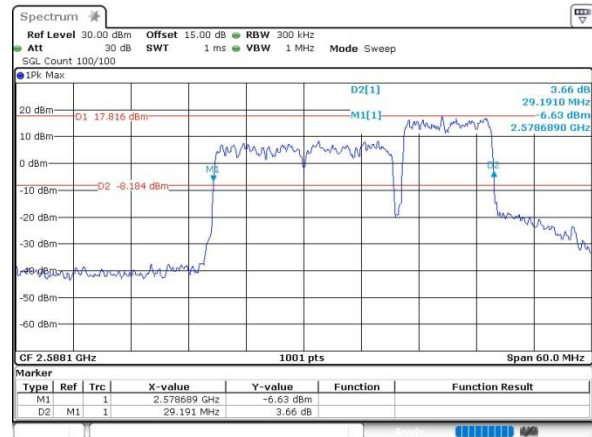
64QAM

Middle Channel



256QAM

Middle Channel

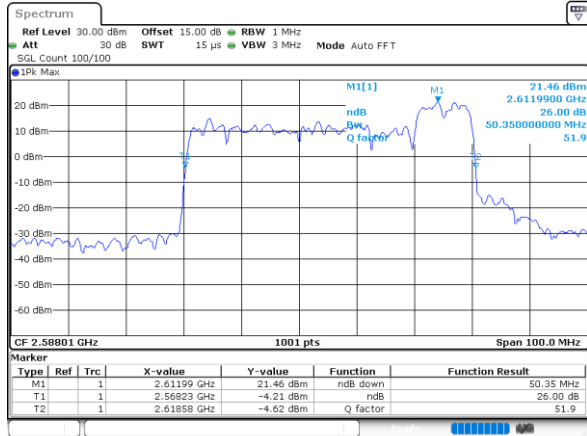




FR1 N41AA / 40MHz / CP-OFDM

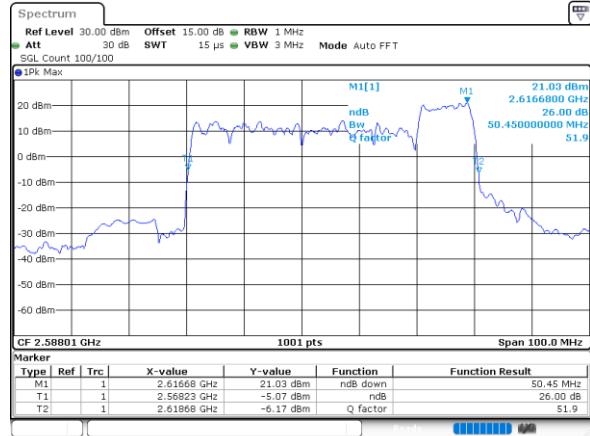
QPSK

Middle Channel



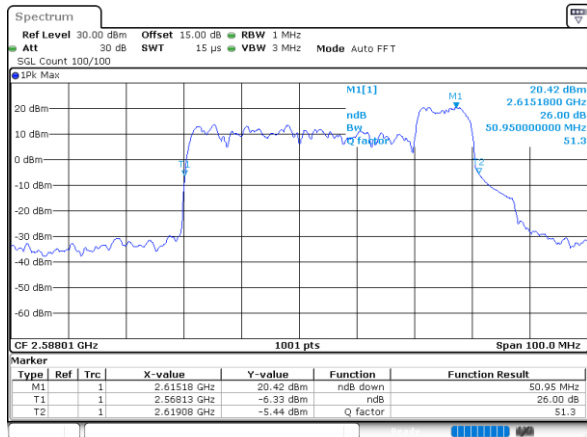
16QAM

Middle Channel



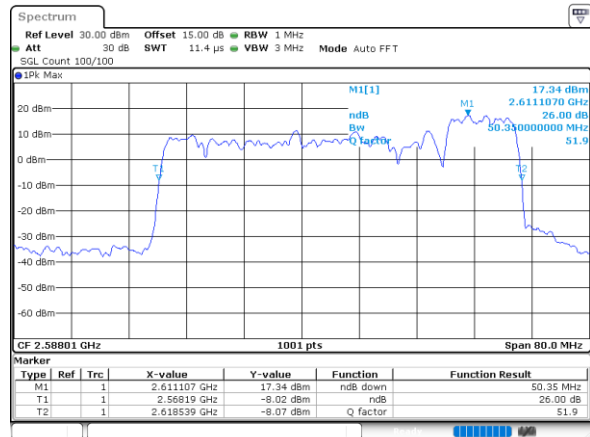
64QAM

Middle Channel



256QAM

Middle Channel





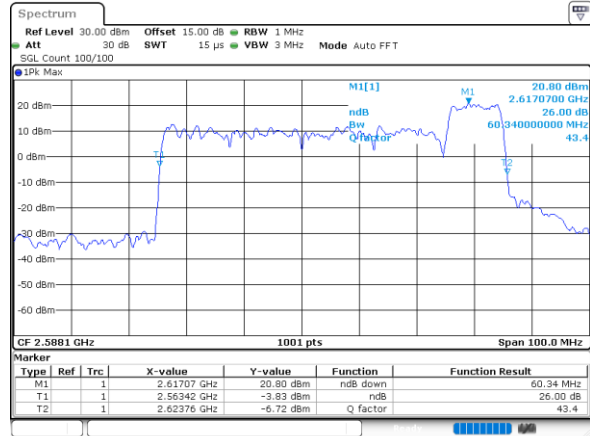
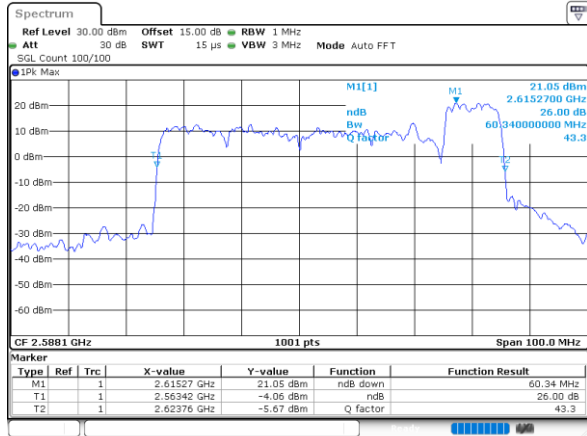
FR1 N41AA / 50MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel

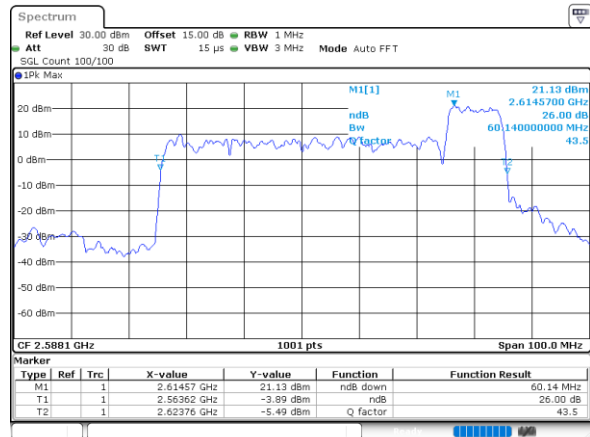
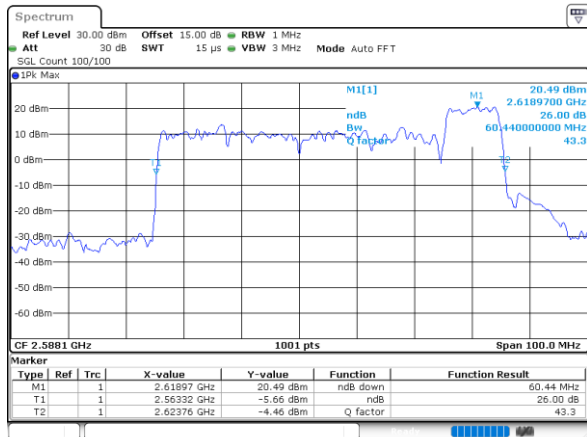


64QAM

256QAM

Middle Channel

Middle Channel





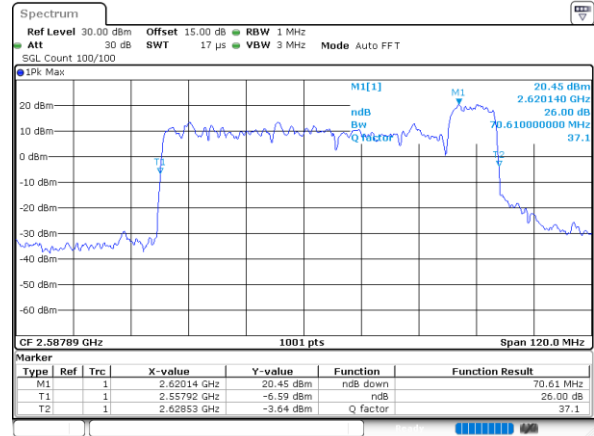
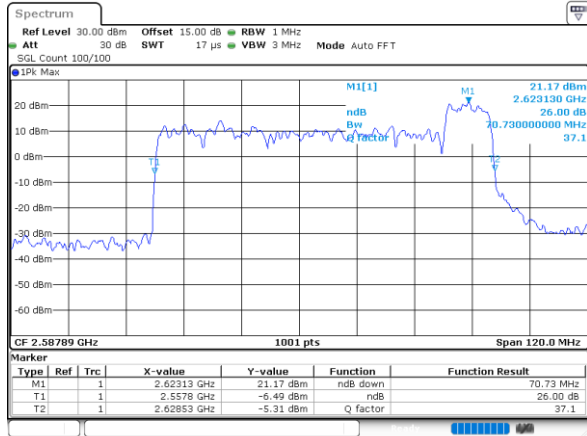
FR1 N41AA / 60MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel

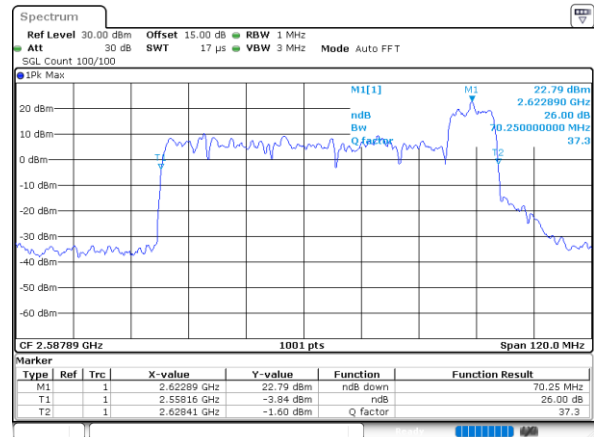
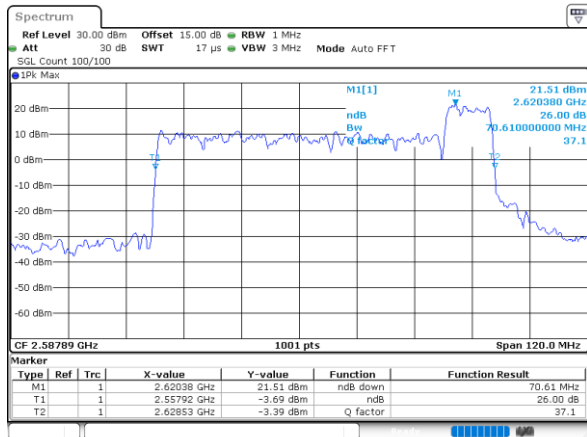


64QAM

256QAM

Middle Channel

Middle Channel





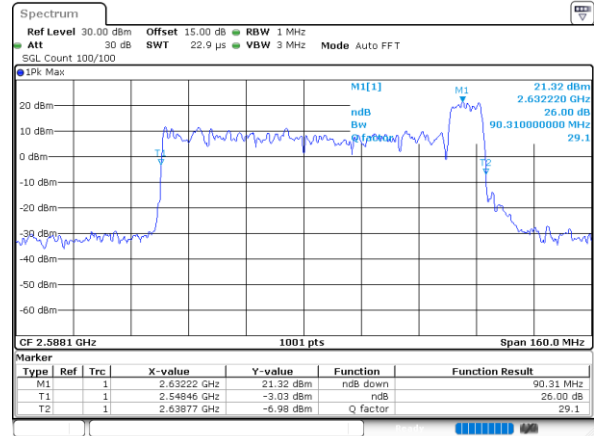
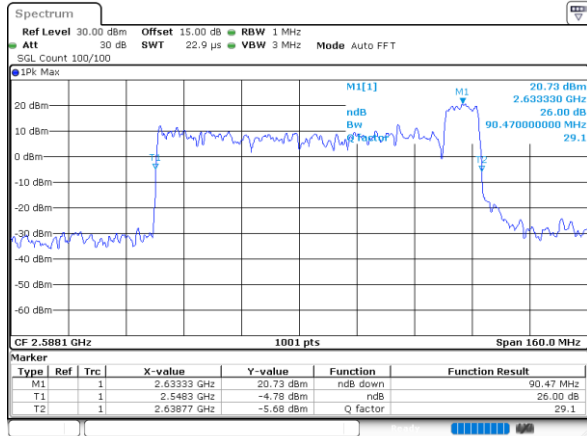
FR1 N41AA / 80MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel

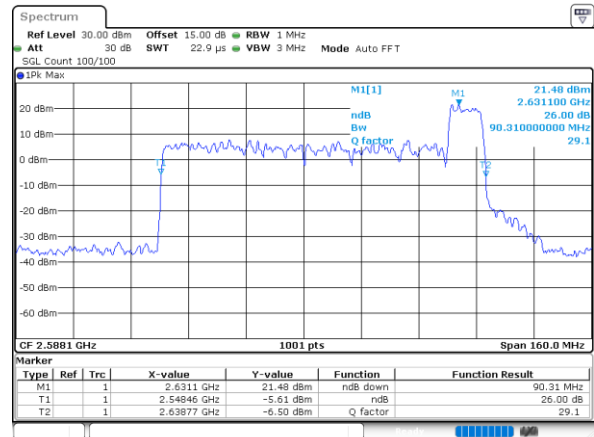
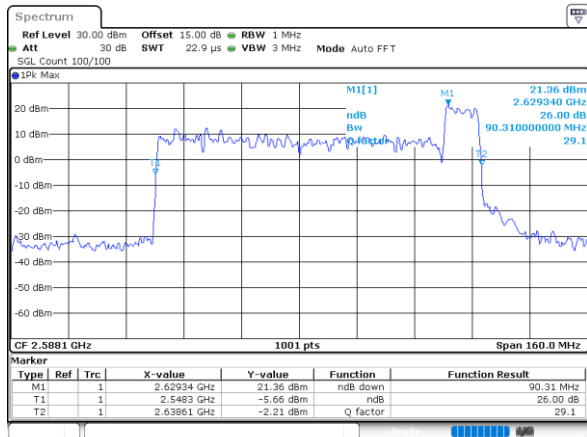


64QAM

256QAM

Middle Channel

Middle Channel

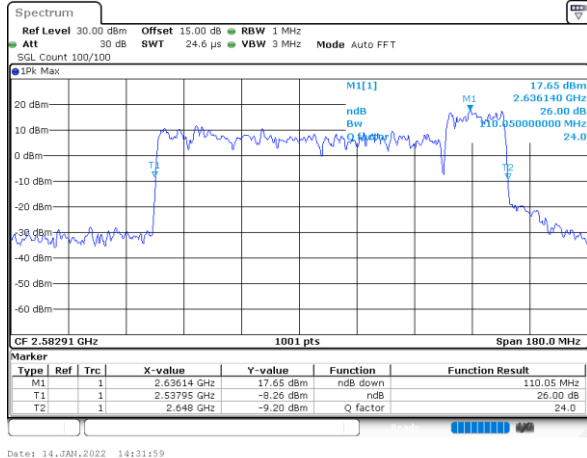




FR1 N41AA / 90MHz / CP-OFDM

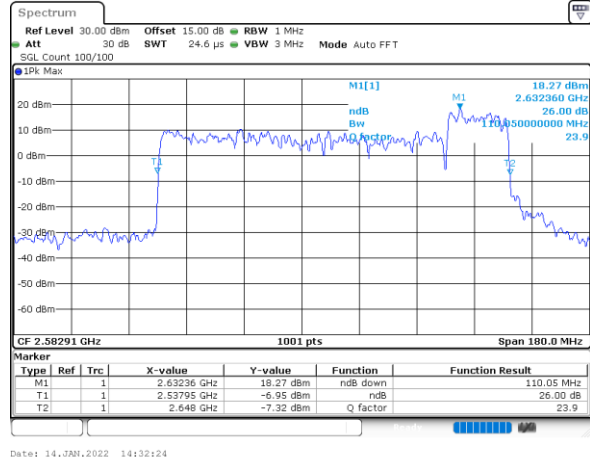
QPSK

Middle Channel



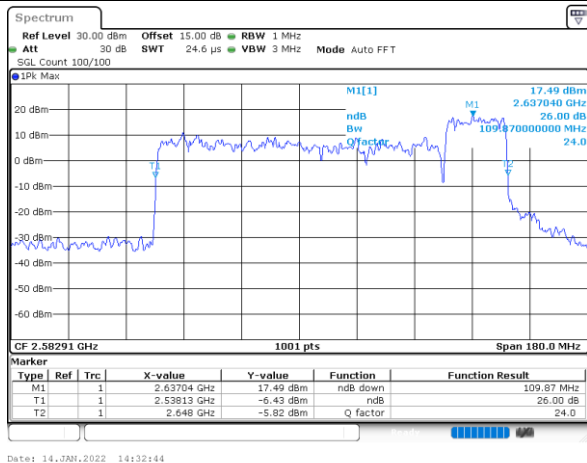
16QAM

Middle Channel



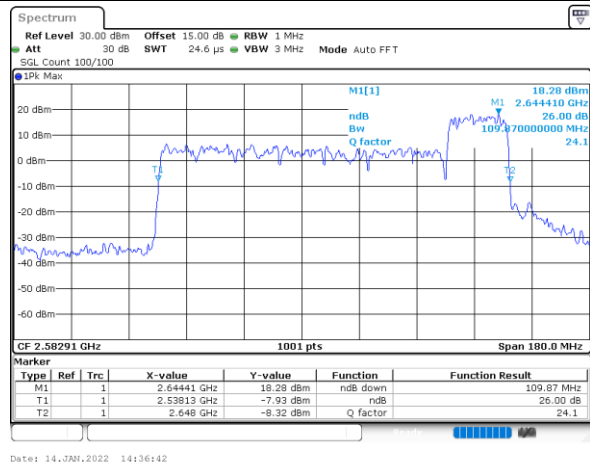
64QAM

Middle Channel



256QAM

Middle Channel





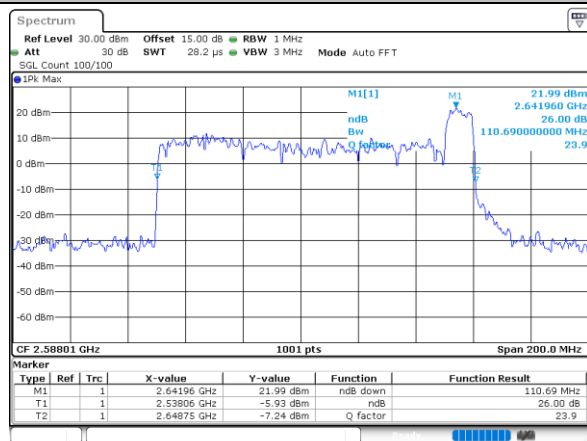
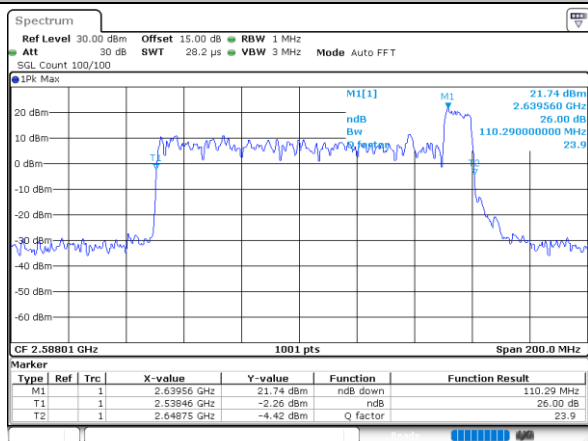
FR1 N41AA / 100MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel

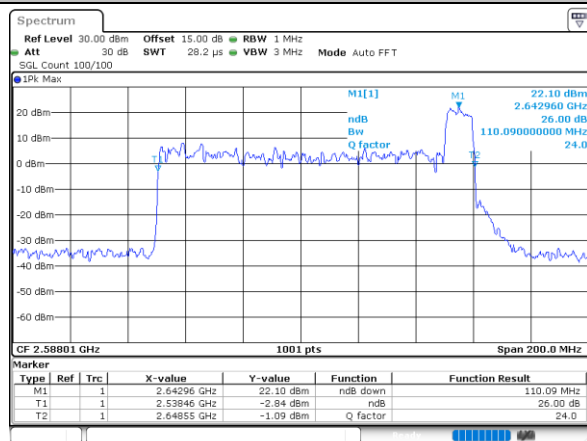
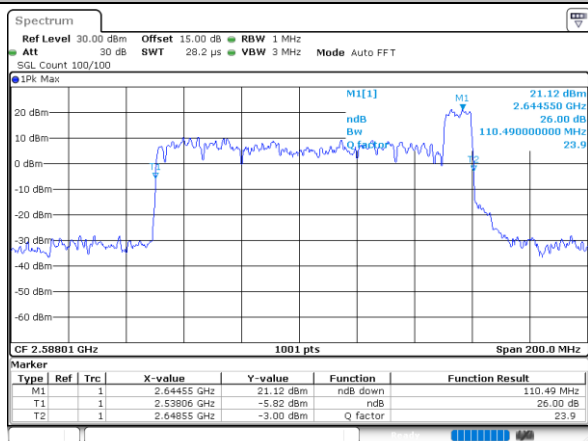


64QAM

256QAM

Middle Channel

Middle Channel

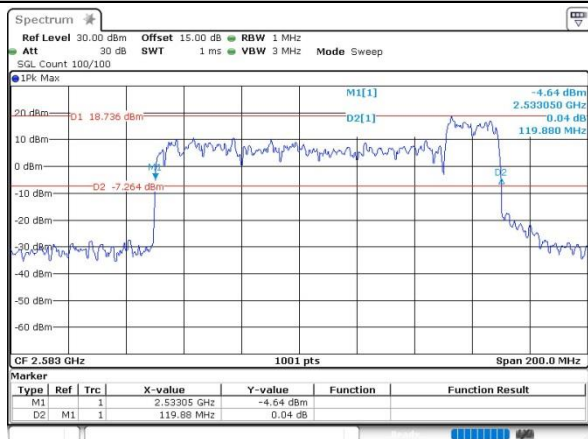




FR1 N41AA / 100MHz / CP-OFDM

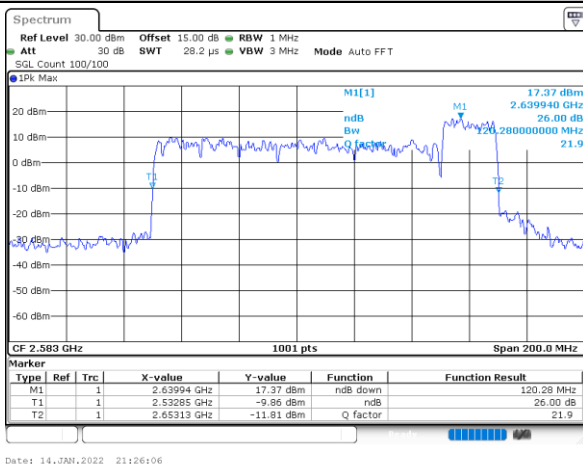
QPSK

Middle Channel



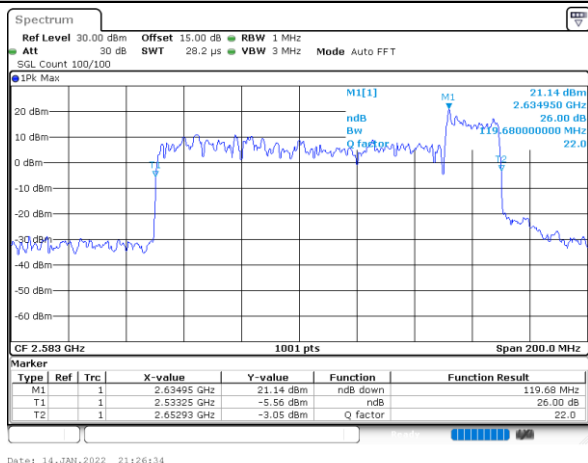
16QAM

Middle Channel



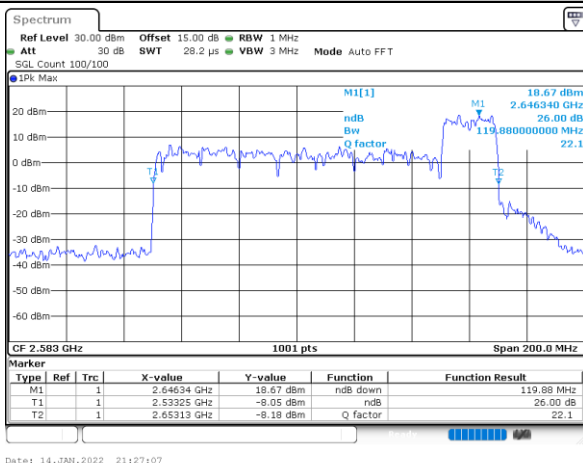
64QAM

Middle Channel



256QAM

Middle Channel



**Occupied Bandwidth**

Mode	FR1 N41AA : OB BW(MHz) / CP-OFDM-LTE 20MHz+NR 10MHz							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	28.05	28.05	28.11	28.05				

Mode	FR1 N41AA : OB BW(MHz) / CP-OFDM-LTE 20MHz+NR 15MHz							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	33.02	33.14	33.02	32.72				

Mode	FR1 N41AA : OB BW(MHz) / CP-OFDM-LTE 10MHz+NR 20MHz							
BW	20MHz	20MHz	20MHz	20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	28.35	28.53	28.35	28.41				

Mode	FR1 N41AA : OB BW(MHz) / CP-OFDM-LTE 10MHz+NR 40MHz							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	48.55	48.65	48.55	48.15				

Mode	FR1 N41AA : OB BW(MHz) / CP-OFDM-LTE 10MHz+NR 50MHz							
BW	50MHz	50MHz	50MHz	50MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	58.14	58.14	58.24	57.54				

Mode	FR1 N41AA : OB BW(MHz) / CP-OFDM-LTE 10MHz+NR 60MHz							
BW	60MHz	60MHz	60MHz	60MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	68.45	68.09	67.97	67.73				

Mode	FR1 N41AA : OB BW(MHz) / CP-OFDM-LTE 10MHz+NR 80MHz							
BW	80MHz	80MHz	80MHz	80MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	88.07	88.23	87.91	87.11				



Mode	FR1 N41AA : OB BW(MHz) / CP-OFDM-LTE 20MHz+NR 90MHz							
BW	90MHz	90MHz	90MHz	90MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	107.53	107.53	106.99	106.45				

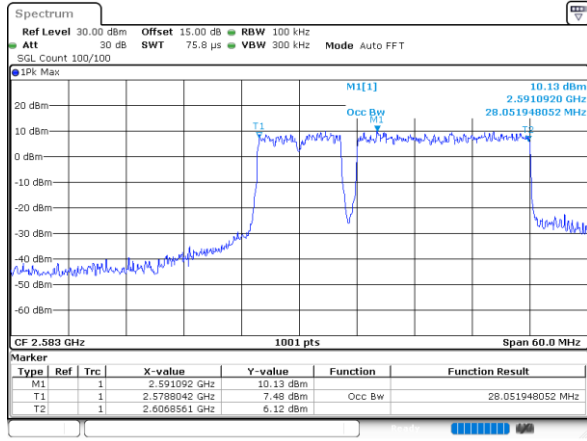
Mode	FR1 N41AA : OB BW(MHz) / CP-OFDM-LTE 20MHz+NR 100MHz							
BW	100MHz	100MHz	100MHz	100MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	116.88	117.28	116.68	117.08				



FR1 N41AA / 10MHz / CP-OFDM

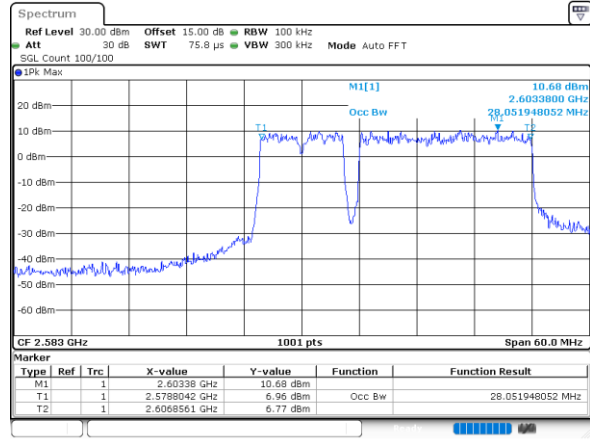
QPSK

Middle Channel



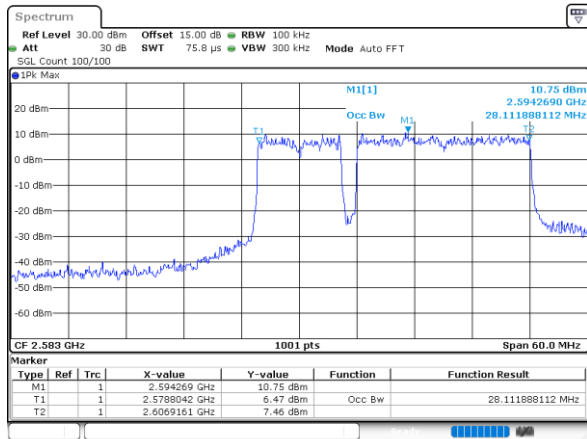
16QAM

Middle Channel



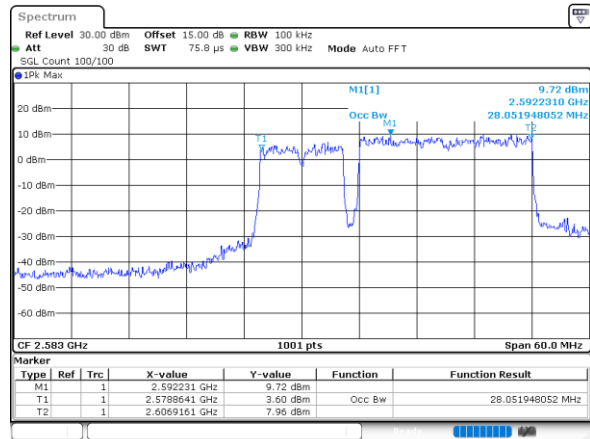
64QAM

Middle Channel



256QAM

Middle Channel

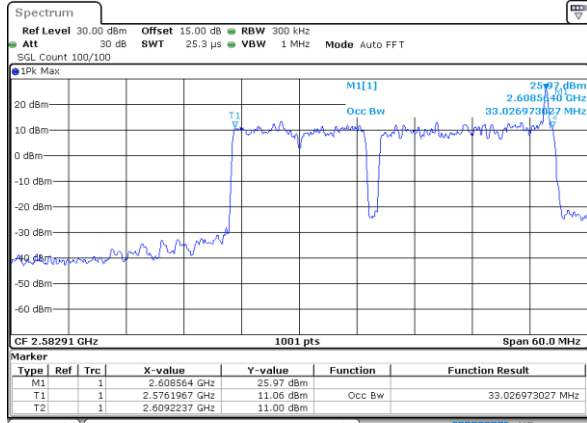




FR1 N41AA / 15MHz / CP-OFDM

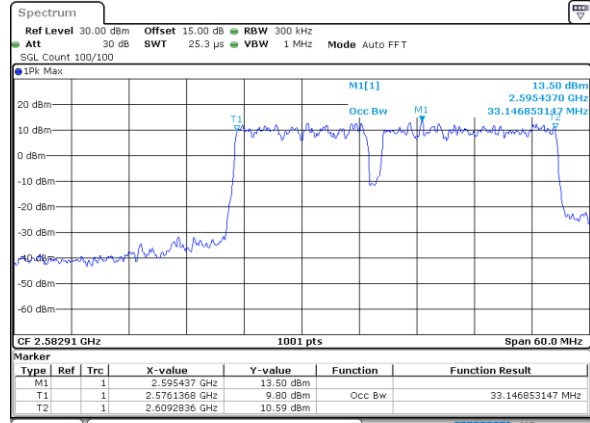
QPSK

Middle Channel



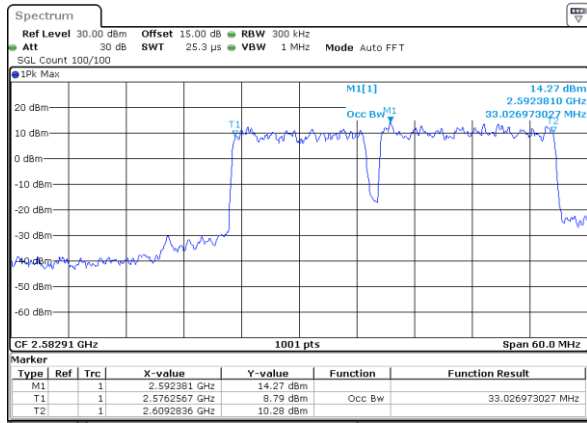
16QAM

Middle Channel



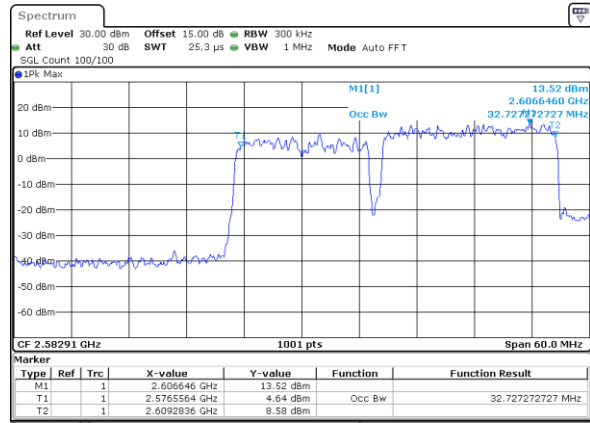
64QAM

Middle Channel



256QAM

Middle Channel

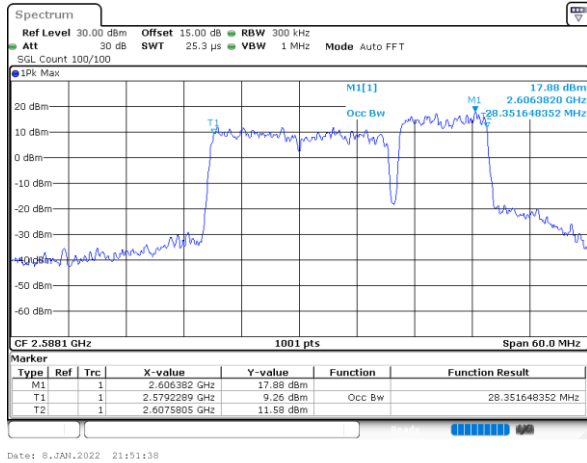




FR1 N41AA / 20MHz / CP-OFDM

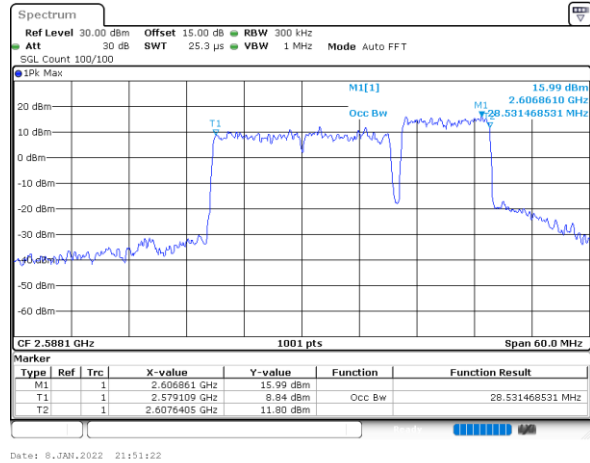
QPSK

Middle Channel



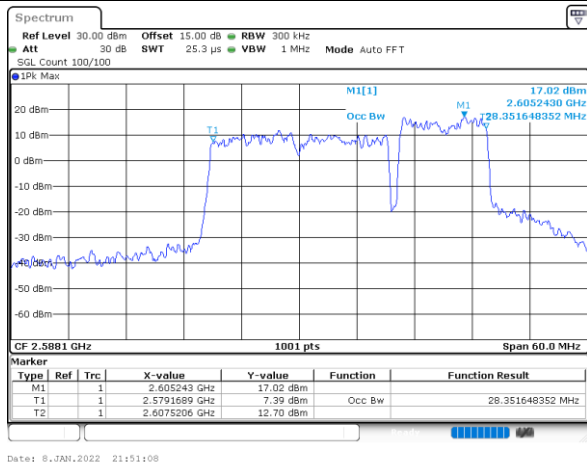
16QAM

Middle Channel



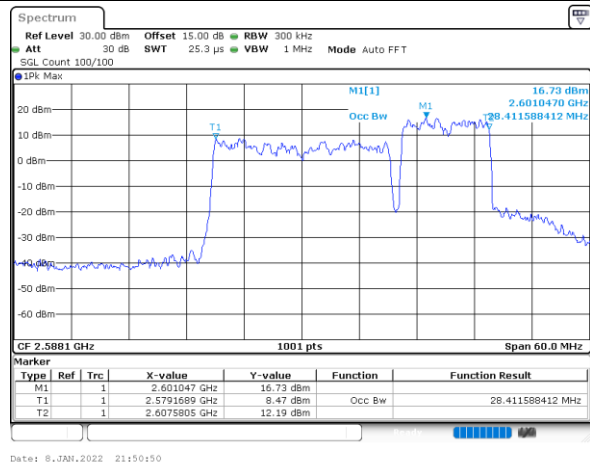
64QAM

Middle Channel



256QAM

Middle Channel

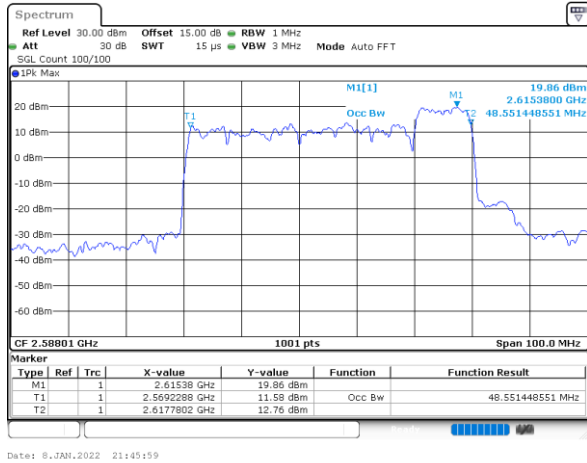




FR1 N41AA / 40MHz / CP-OFDM

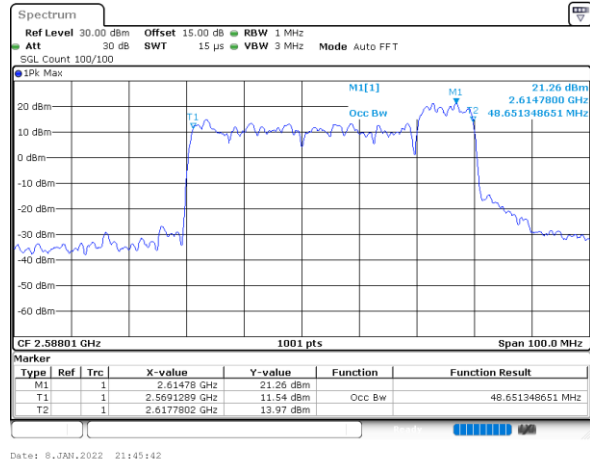
QPSK

Middle Channel



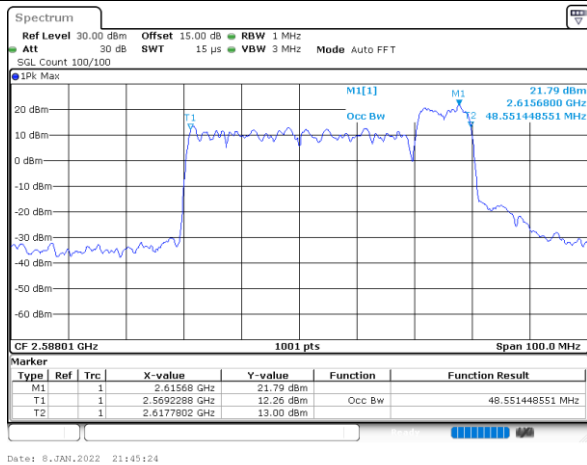
16QAM

Middle Channel



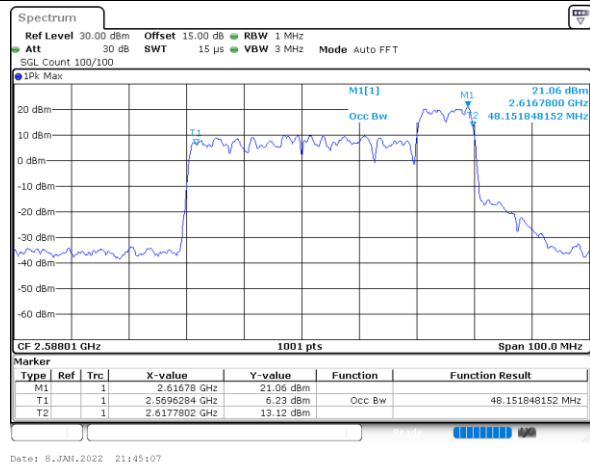
64QAM

Middle Channel



256QAM

Middle Channel

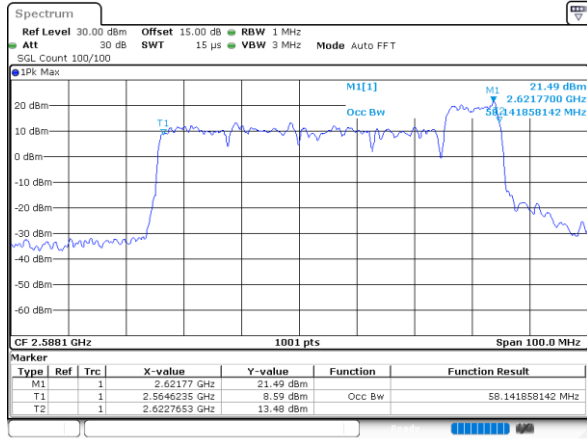




FR1 N41AA / 50MHz / CP-OFDM

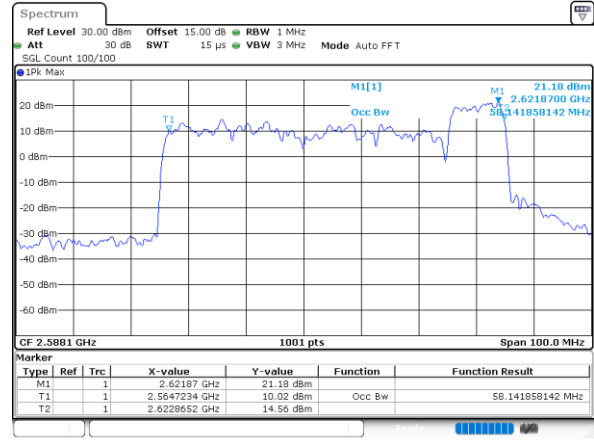
QPSK

Middle Channel



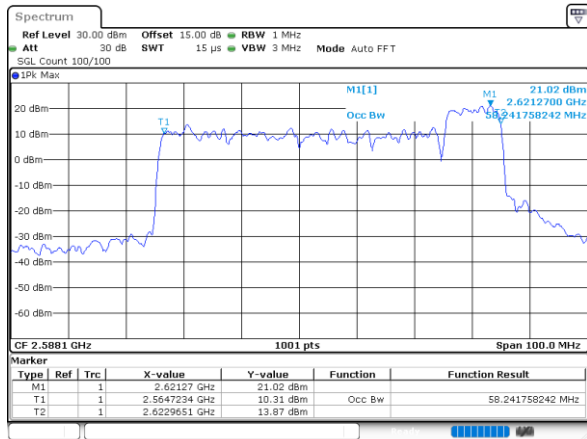
16QAM

Middle Channel



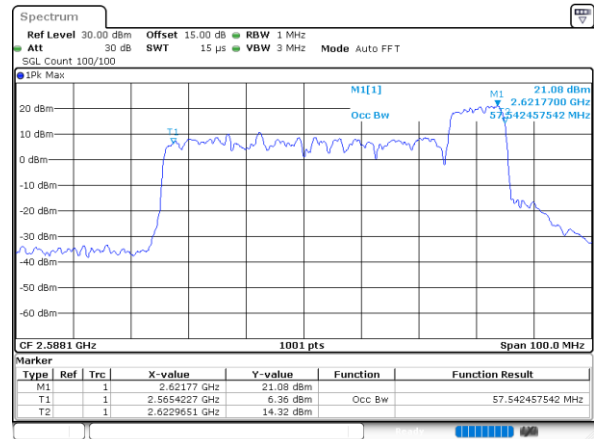
64QAM

Middle Channel



256QAM

Middle Channel





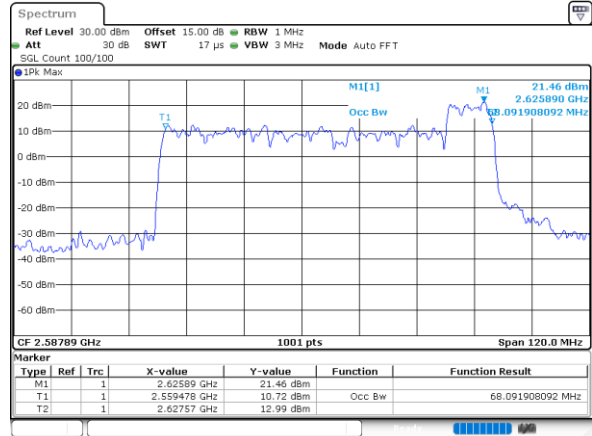
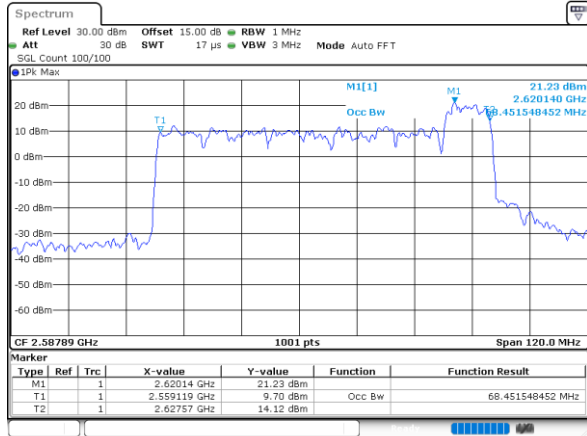
FR1 N41AA / 60MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel

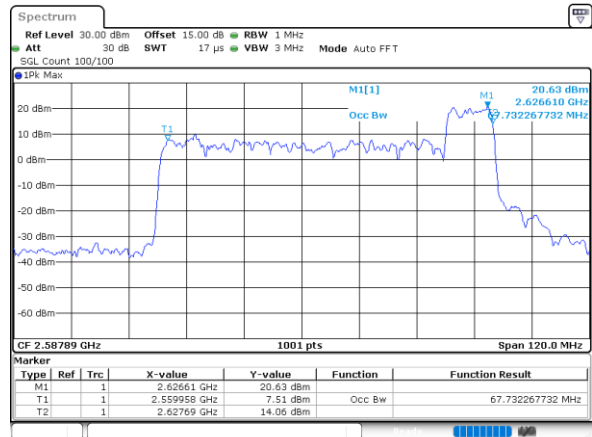
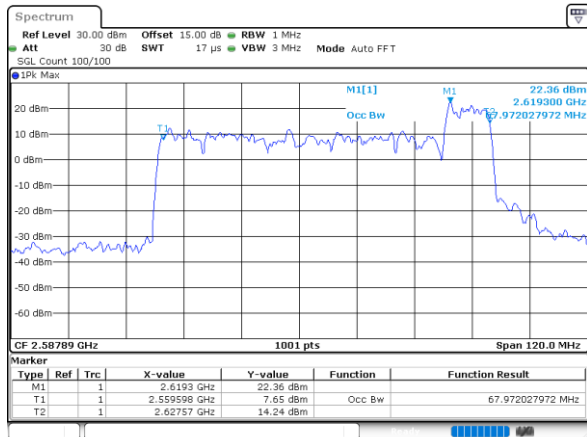


64QAM

256QAM

Middle Channel

Middle Channel





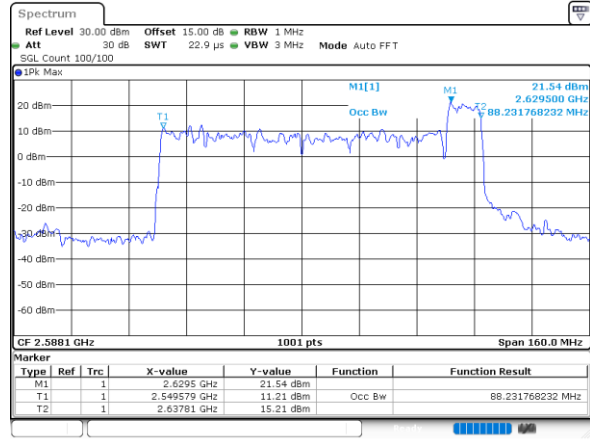
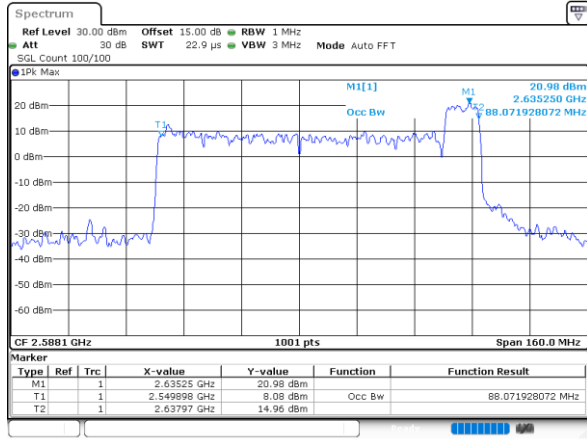
FR1 N41AA / 80MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel

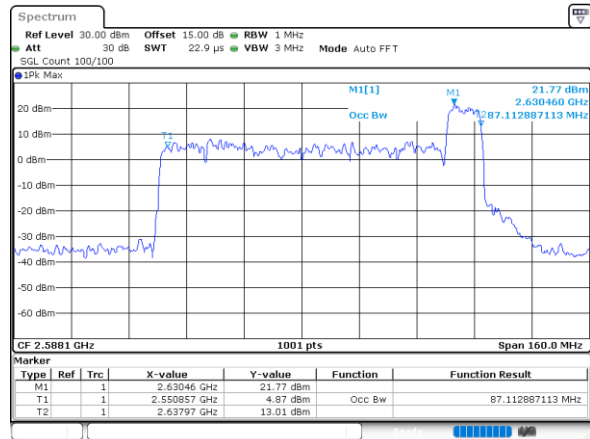
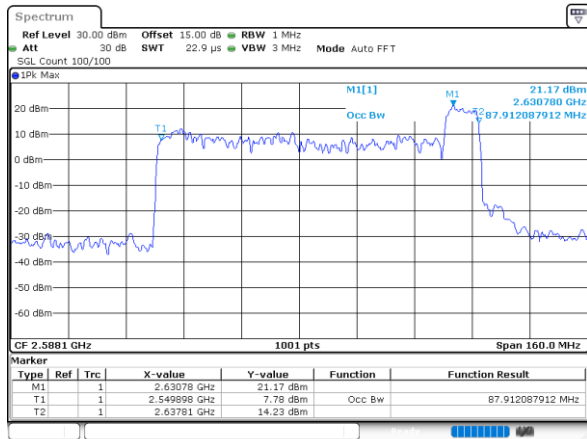


64QAM

256QAM

Middle Channel

Middle Channel

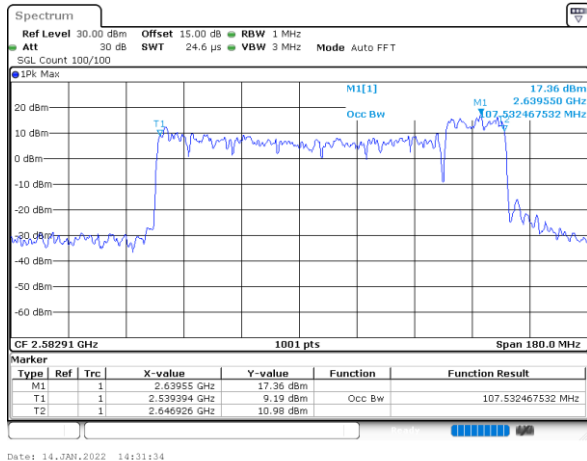




FR1 N41AA / 90MHz / CP-OFDM

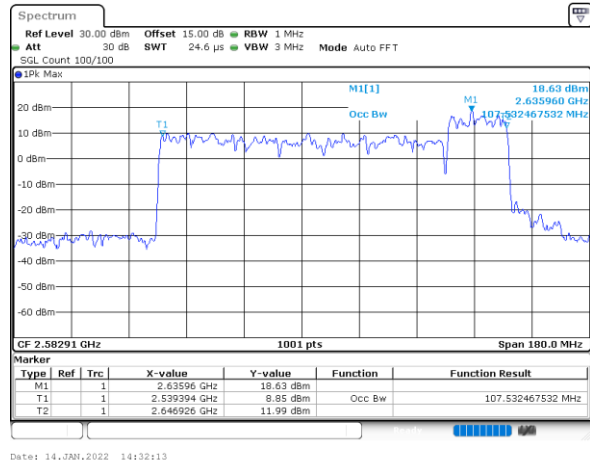
QPSK

Middle Channel



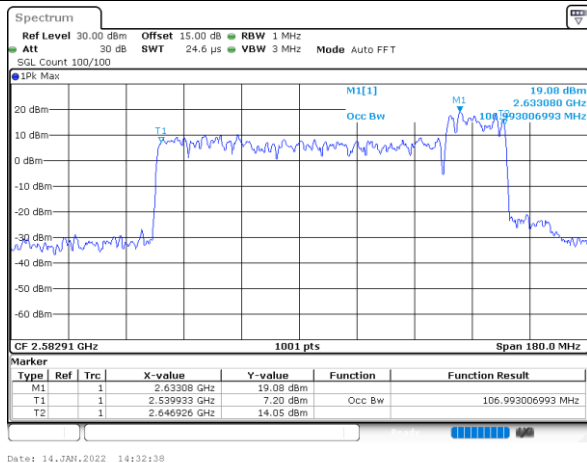
16QAM

Middle Channel



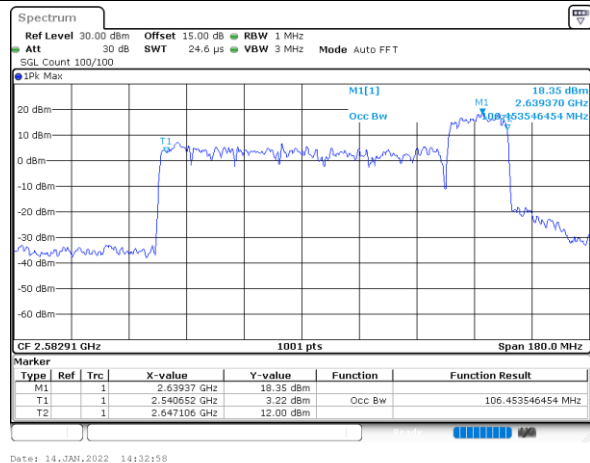
64QAM

Middle Channel



256QAM

Middle Channel





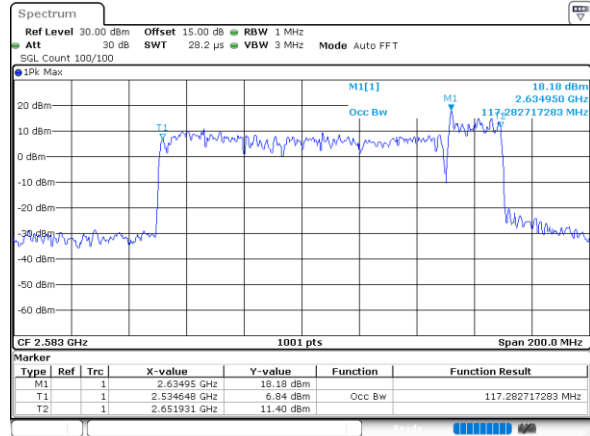
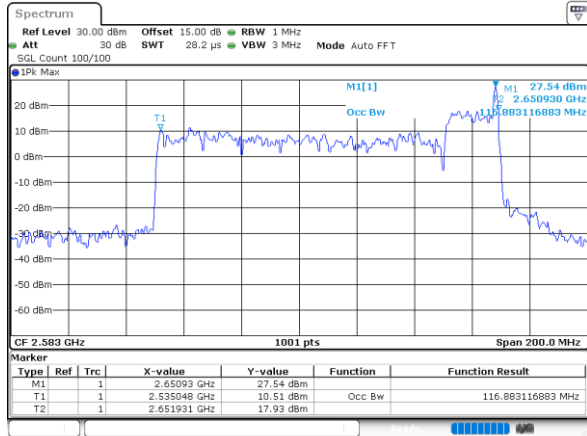
FR1 N41AA / 100MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel

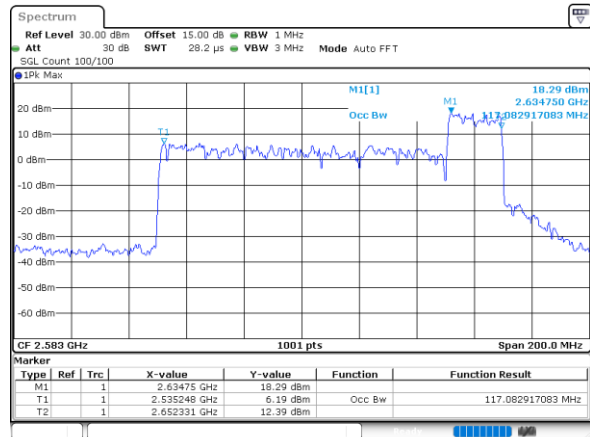
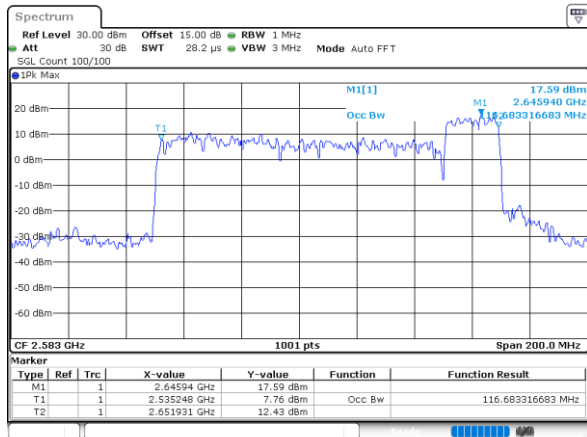


64QAM

256QAM

Middle Channel

Middle Channel



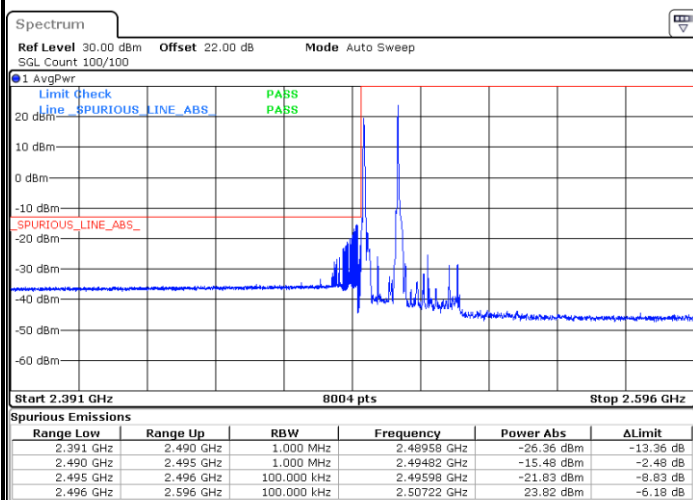


Conducted Band Edge

FR1 N41AA / 10MHz / DFT-S OFDM BPSK

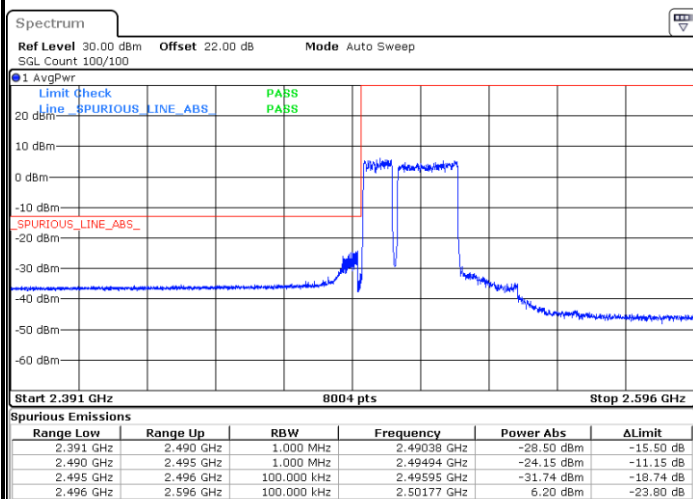
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

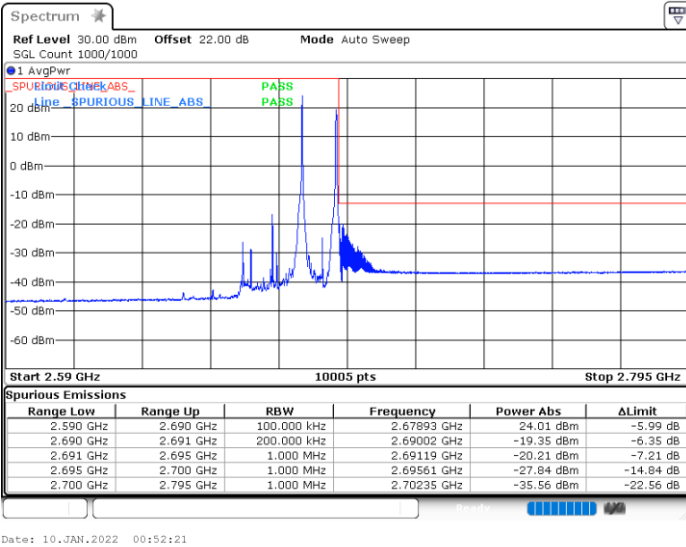




FR1 N41AA / 10MHz / DFT-S OFDM BPSK

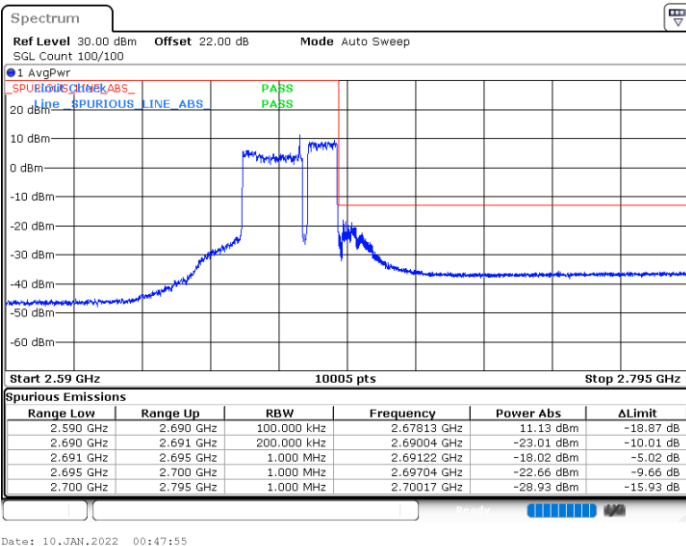
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

Channel Power < -13dBm Pass

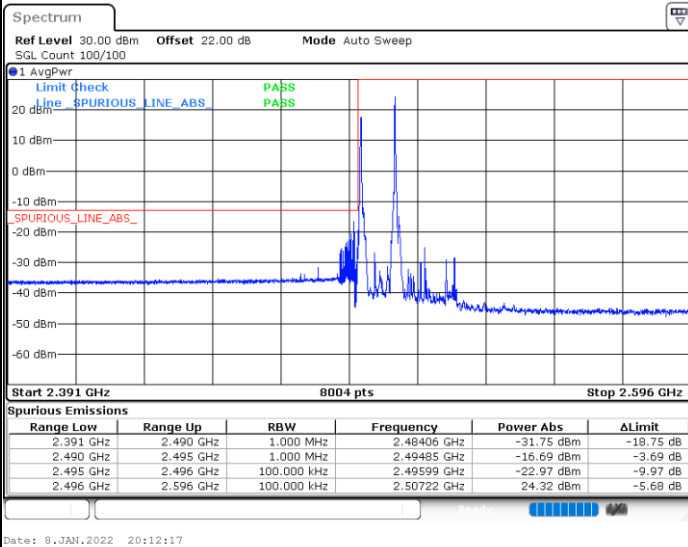




FR1 N41AA / 10MHz / DFT-S OFDM QPSK

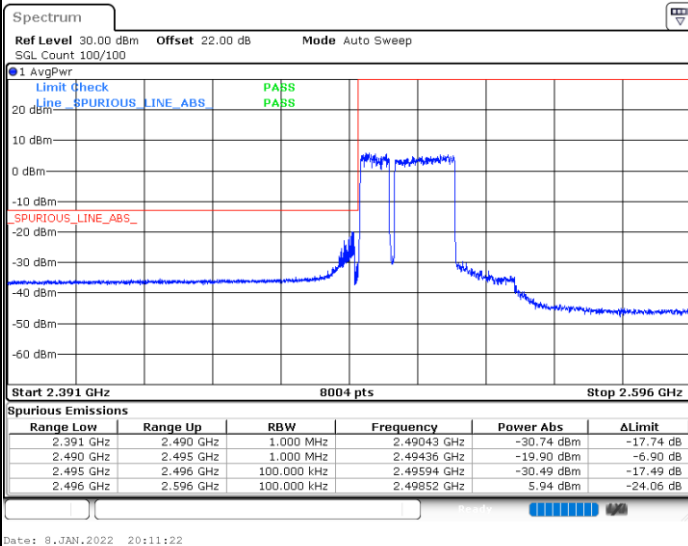
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

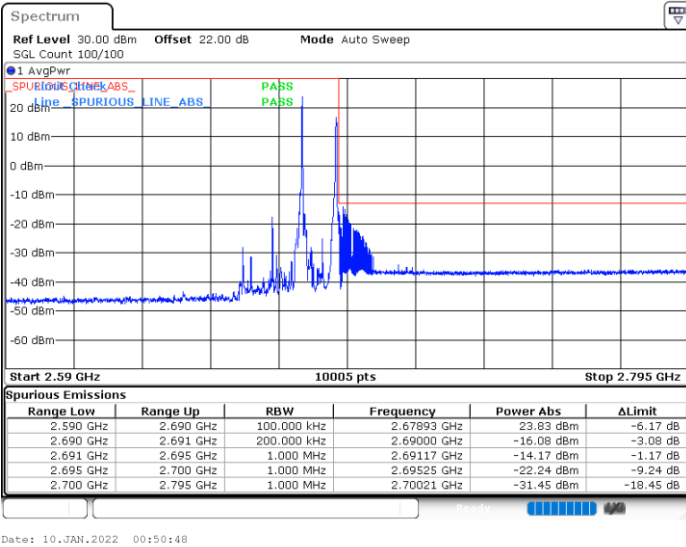




FR1 N41AA / 10MHz / DFT-S OFDM QPSK

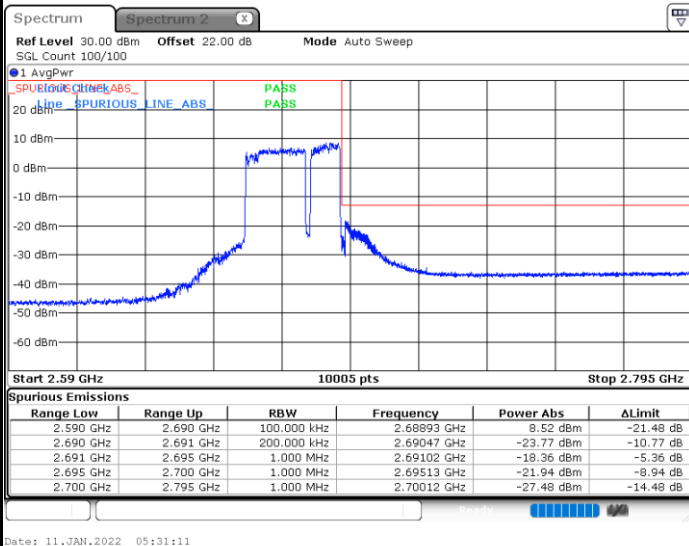
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

Channel Power < -13dBm Pass

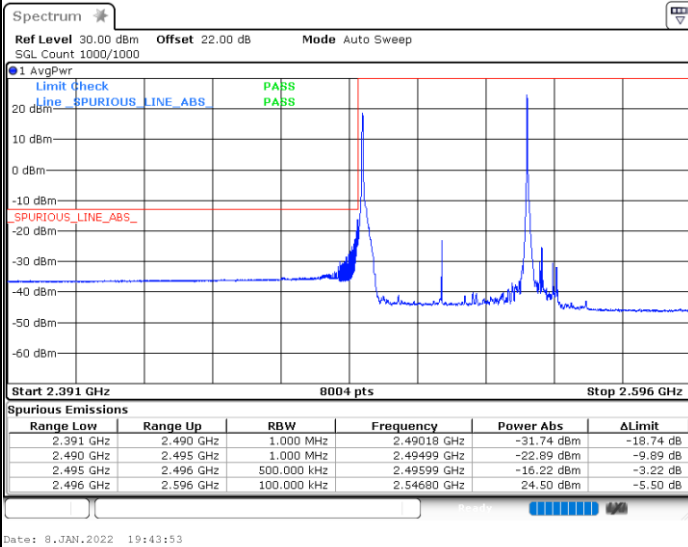




FR1 N41AA / 50MHz / DFT-S OFDM BPSK

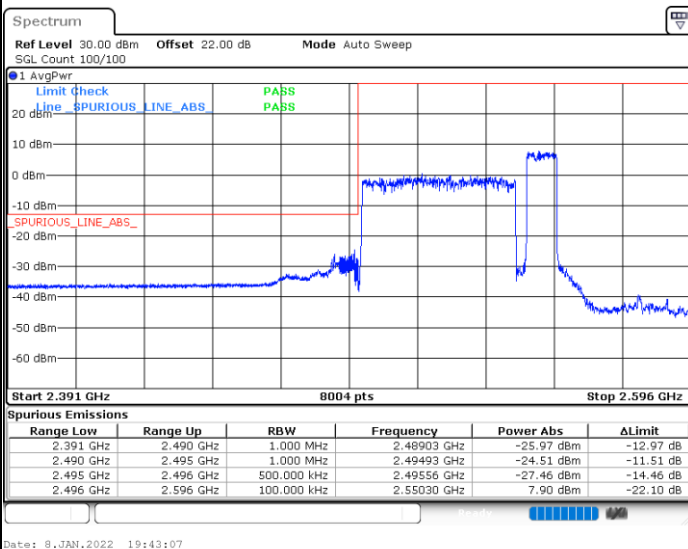
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

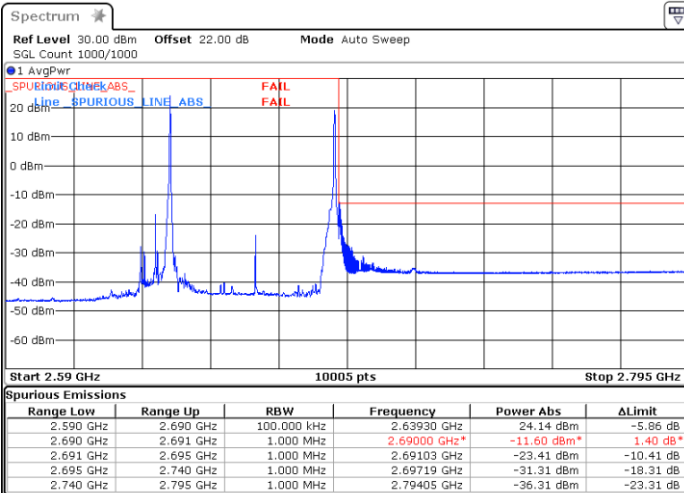
Channel Power < -13dBm Pass



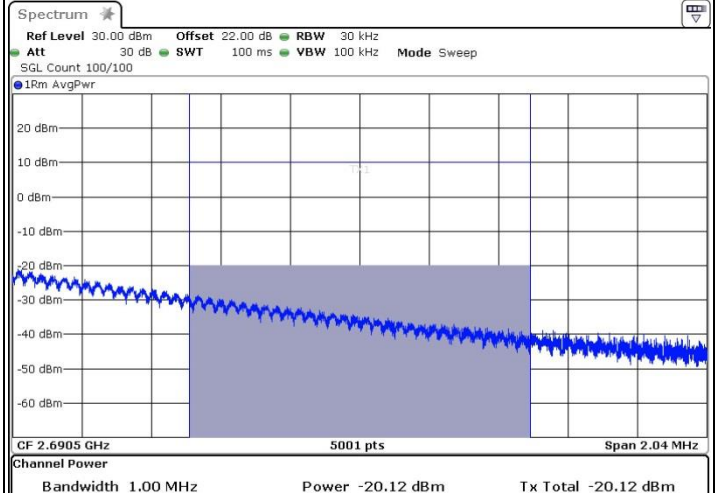


FR1 N41AA / 50MHz / DFT-S OFDM BPSK

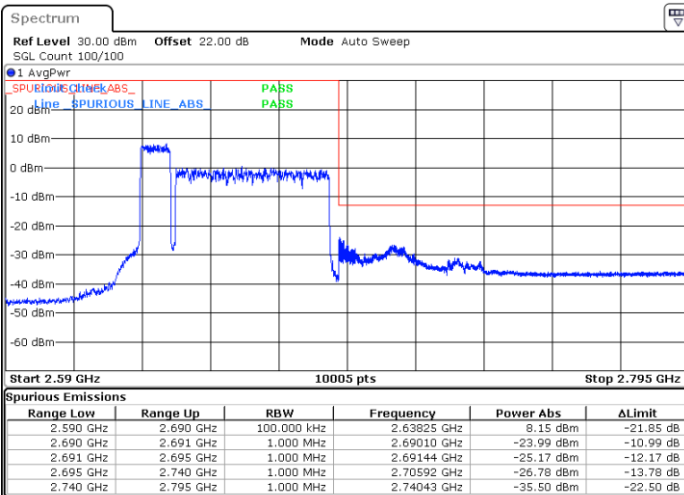
Highest Band Edge / 1 RB



Channel Power < -13dBm Pass



Highest Band Edge / Full RB



Channel Power < -13dBm Pass

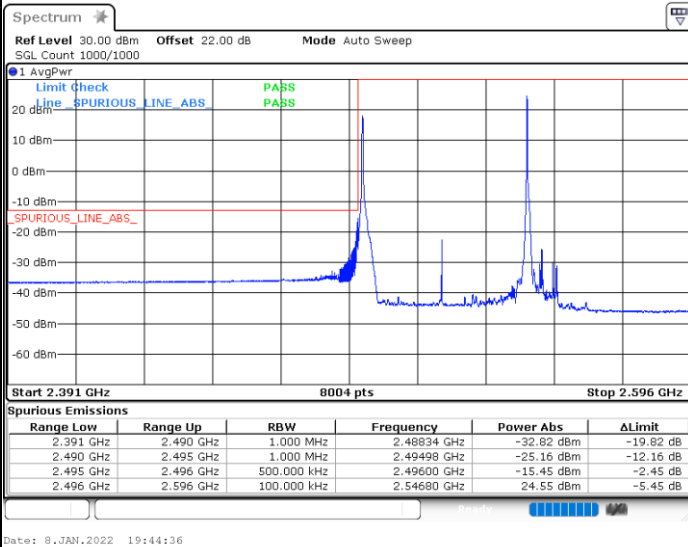
/



FR1 N41AA / 50MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

