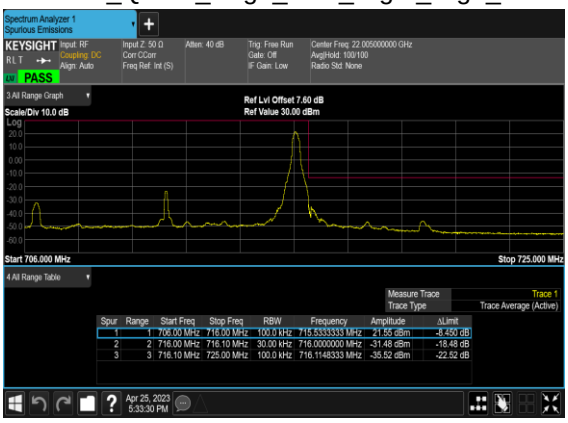
N12(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

N12(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

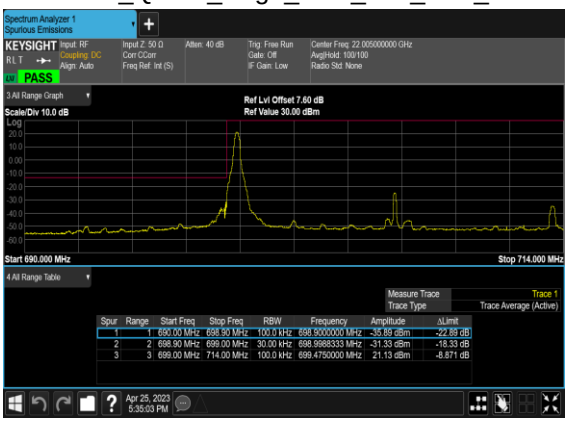


N12(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

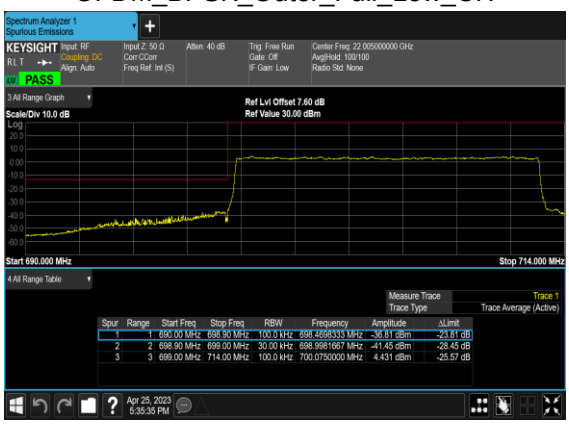
N12(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N12(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N12(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

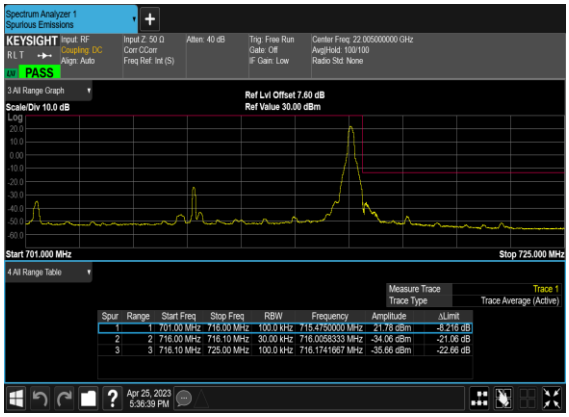


N12(15M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

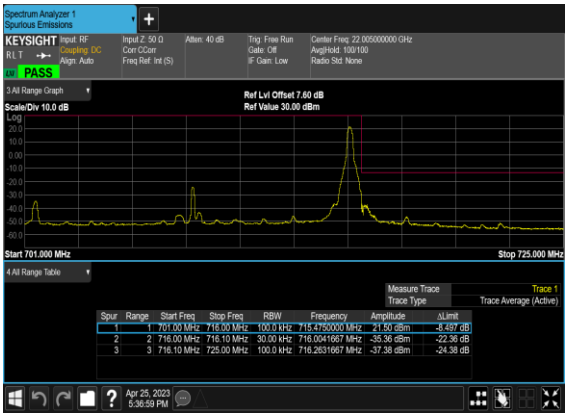


N12(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

N12(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

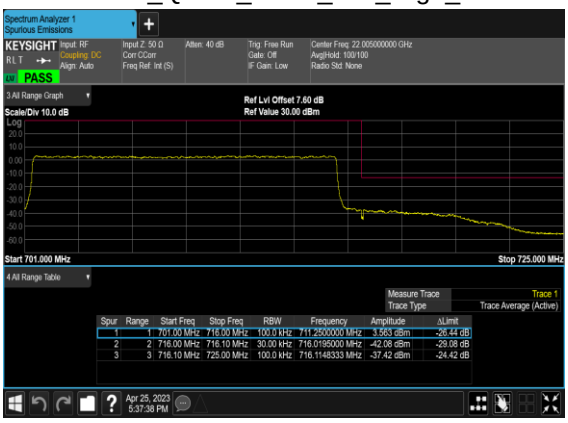


N12(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N12(15M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

N12(15M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.04.2801

FR1 N38 (ANT1) – SCS15k

Transmitter Conducted Output Power

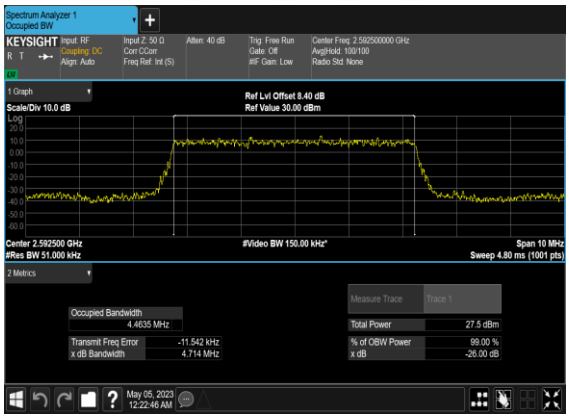
NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	Conducted Power (W)
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@1	25.98	0.3963
38	15	5	514500	2572.5	DFT-s-OFDM 16 QAM	1@1	24.87	0.3069
38	15	5	518500	2592.5	DFT-s-OFDM QPSK	1@1	26.01	0.3990
38	15	5	518500	2592.5	DFT-s-OFDM 16 QAM	1@1	24.98	0.3148
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@1	26.02	0.3999
38	15	5	523500	2617.5	DFT-s-OFDM 16 QAM	1@1	24.98	0.3148
38	15	10	515000	2575	DFT-s-OFDM QPSK	1@1	26.01	0.3990
38	15	10	515000	2575	DFT-s-OFDM 16 QAM	1@1	24.86	0.3062
38	15	10	519000	2595	DFT-s-OFDM QPSK	1@1	26.18	0.4150
38	15	10	519000	2595	DFT-s-OFDM 16 QAM	1@1	24.94	0.3119
38	15	10	523000	2615	DFT-s-OFDM QPSK	1@1	26.07	0.4046
38	15	10	523000	2615	DFT-s-OFDM 16 QAM	1@1	24.89	0.3083
38	15	15	515500	2577.5	DFT-s-OFDM QPSK	1@1	25.98	0.3963
38	15	15	515500	2577.5	DFT-s-OFDM 16 QAM	1@1	24.9	0.3090
38	15	15	519000	2595	DFT-s-OFDM QPSK	1@1	26.07	0.4046
38	15	15	519000	2595	DFT-s-OFDM 16 QAM	1@1	25.03	0.3184
38	15	15	522500	2612.5	DFT-s-OFDM QPSK	1@1	26.03	0.4009
38	15	15	522500	2612.5	DFT-s-OFDM 16 QAM	1@1	24.98	0.3148
38	15	20	516000	2580	DFT-s-OFDM QPSK	1@1	25.98	0.3963
38	15	20	516000	2580	DFT-s-OFDM 16 QAM	1@1	24.87	0.3069
38	15	20	519000	2595	DFT-s-OFDM QPSK	1@1	26.06	0.4036
38	15	20	519000	2595	DFT-s-OFDM 16 QAM	1@1	24.88	0.3076
38	15	20	522000	2610	DFT-s-OFDM QPSK	1@1	26.15	0.4121
38	15	20	522000	2610	DFT-s-OFDM 16 QAM	1@1	24.98	0.3148
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@1	25.92	0.3908
38	15	25	516500	2582.5	DFT-s-OFDM 16 QAM	1@1	24.8	0.3020
38	15	25	519000	2595	DFT-s-OFDM QPSK	1@1	26.01	0.3990
38	15	25	519000	2595	DFT-s-OFDM 16 QAM	1@1	24.84	0.3048
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@1	26.04	0.4018
38	15	25	521500	2607.5	DFT-s-OFDM 16 QAM	1@1	24.94	0.3119
38	15	30	517000	2585	DFT-s-OFDM QPSK	1@1	25.87	0.3864
38	15	30	517000	2585	DFT-s-OFDM 16 QAM	1@1	24.77	0.2999
38	15	30	519000	2595	DFT-s-OFDM QPSK	1@1	25.97	0.3954
38	15	30	519000	2595	DFT-s-OFDM 16 QAM	1@1	24.83	0.3041
38	15	30	521000	2605	DFT-s-OFDM QPSK	1@1	26.13	0.4102
38	15	30	521000	2605	DFT-s-OFDM 16 QAM	1@1	24.94	0.3119
38	15	40	518000	2590	DFT-s-OFDM PI/2 BPSK	108@54	26.12	0.4093
38	15	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@1	25.95	0.3936
38	15	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@214	26.16	0.4130
38	15	40	518000	2590	DFT-s-OFDM QPSK	108@54	26.15	0.4121
38	15	40	518000	2590	DFT-s-OFDM QPSK	1@1	25.93	0.3917
38	15	40	518000	2590	DFT-s-OFDM QPSK	1@214	26.24	0.4207

38	15	40	518000	2590	DFT-s-OFDM 16 QAM	108@54	25.18	0.3296
38	15	40	518000	2590	DFT-s-OFDM 16 QAM	1@1	24.81	0.3027
38	15	40	518000	2590	DFT-s-OFDM 16 QAM	1@214	25.09	0.3228
38	15	40	518000	2590	DFT-s-OFDM 64 QAM	108@54	23.62	0.2301
38	15	40	518000	2590	DFT-s-OFDM 64 QAM	1@1	23.37	0.2173
38	15	40	518000	2590	DFT-s-OFDM 64 QAM	1@214	23.73	0.2360
38	15	40	518000	2590	DFT-s-OFDM 256 QAM	108@54	21.83	0.1524
38	15	40	518000	2590	DFT-s-OFDM 256 QAM	1@1	21.9	0.1549
38	15	40	518000	2590	DFT-s-OFDM 256 QAM	1@214	22.2	0.1660
38	15	40	518000	2590	CP-OFDM QPSK	108@54	24.59	0.2877
38	15	40	518000	2590	CP-OFDM QPSK	1@1	24.48	0.2805
38	15	40	518000	2590	CP-OFDM QPSK	1@214	24.73	0.2972
38	15	40	519000	2595	DFT-s-OFDM PI/2 BPSK	108@54	26.19	0.4159
38	15	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	26.05	0.4027
38	15	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@214	**26.26**	0.4227
38	15	40	519000	2595	DFT-s-OFDM QPSK	108@54	26.21	0.4178
38	15	40	519000	2595	DFT-s-OFDM QPSK	1@1	25.99	0.3972
38	15	40	519000	2595	DFT-s-OFDM QPSK	1@214	26.23	0.4198
38	15	40	519000	2595	DFT-s-OFDM 16 QAM	108@54	25.31	0.3396
38	15	40	519000	2595	DFT-s-OFDM 16 QAM	1@1	24.92	0.3105
38	15	40	519000	2595	DFT-s-OFDM 16 QAM	1@214	25.15	0.3273
38	15	40	519000	2595	DFT-s-OFDM 64 QAM	108@54	23.69	0.2339
38	15	40	519000	2595	DFT-s-OFDM 64 QAM	1@1	23.48	0.2228
38	15	40	519000	2595	DFT-s-OFDM 64 QAM	1@214	23.69	0.2339
38	15	40	519000	2595	DFT-s-OFDM 256 QAM	108@54	21.88	0.1542
38	15	40	519000	2595	DFT-s-OFDM 256 QAM	1@1	21.99	0.1581
38	15	40	519000	2595	DFT-s-OFDM 256 QAM	1@214	22.16	0.1644
38	15	40	519000	2595	CP-OFDM QPSK	108@54	24.64	0.2911
38	15	40	519000	2595	CP-OFDM QPSK	1@1	24.66	0.2924
38	15	40	519000	2595	CP-OFDM QPSK	1@214	24.84	0.3048
38	15	40	520000	2600	DFT-s-OFDM PI/2 BPSK	108@54	26.2	0.4169
38	15	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@1	26.02	0.3999
38	15	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@214	26.22	0.4188
38	15	40	520000	2600	DFT-s-OFDM QPSK	108@54	26.23	0.4198
38	15	40	520000	2600	DFT-s-OFDM QPSK	1@1	26.05	0.4027
38	15	40	520000	2600	DFT-s-OFDM QPSK	1@214	26.23	0.4198
38	15	40	520000	2600	DFT-s-OFDM 16 QAM	108@54	25.29	0.3381
38	15	40	520000	2600	DFT-s-OFDM 16 QAM	1@1	24.91	0.3097
38	15	40	520000	2600	DFT-s-OFDM 16 QAM	1@214	25.15	0.3273
38	15	40	520000	2600	DFT-s-OFDM 64 QAM	108@54	23.68	0.2333
38	15	40	520000	2600	DFT-s-OFDM 64 QAM	1@1	23.56	0.2270
38	15	40	520000	2600	DFT-s-OFDM 64 QAM	1@214	23.68	0.2333
38	15	40	520000	2600	DFT-s-OFDM 256 QAM	108@54	22	0.1585
38	15	40	520000	2600	DFT-s-OFDM 256 QAM	1@1	21.92	0.1556
38	15	40	520000	2600	DFT-s-OFDM 256 QAM	1@214	22.22	0.1667
38	15	40	520000	2600	CP-OFDM QPSK	108@54	24.65	0.2917
38	15	40	520000	2600	CP-OFDM QPSK	1@1	24.54	0.2844
38	15	40	520000	2600	CP-OFDM QPSK	1@214	24.74	0.2979

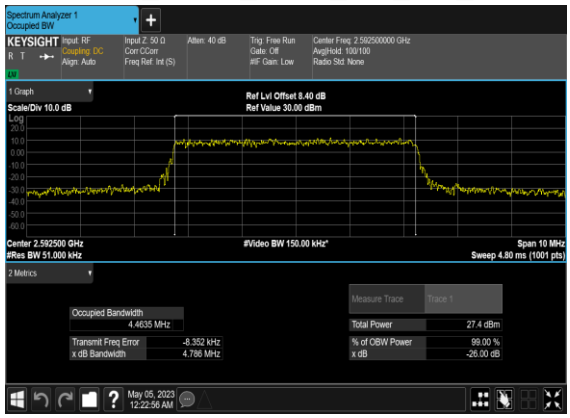
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
38	15	5	518500	2592.5	DFT-s-OFDM PI/2 BPSK	25@0	4.4635	4.714
38	15	5	518500	2592.5	DFT-s-OFDM QPSK	25@0	4.4635	4.786
38	15	5	518500	2592.5	CP-OFDM QPSK	25@0	4.4638	4.787
38	15	5	518500	2592.5	CP-OFDM 16 QAM	25@0	4.4665	4.738
38	15	5	518500	2592.5	CP-OFDM 64 QAM	25@0	4.4671	4.737
38	15	5	518500	2592.5	CP-OFDM 256 QAM	25@0	4.4676	4.749
38	15	25	519000	2595.0	DFT-s-OFDM PI/2 BPSK	128@0	22.823	23.73
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	128@0	22.851	23.59
38	15	25	519000	2595.0	CP-OFDM QPSK	133@0	23.755	24.48
38	15	25	519000	2595.0	CP-OFDM 16 QAM	133@0	23.695	24.48
38	15	25	519000	2595.0	CP-OFDM 64 QAM	133@0	23.685	24.48
38	15	25	519000	2595.0	CP-OFDM 256 QAM	133@0	23.694	24.57

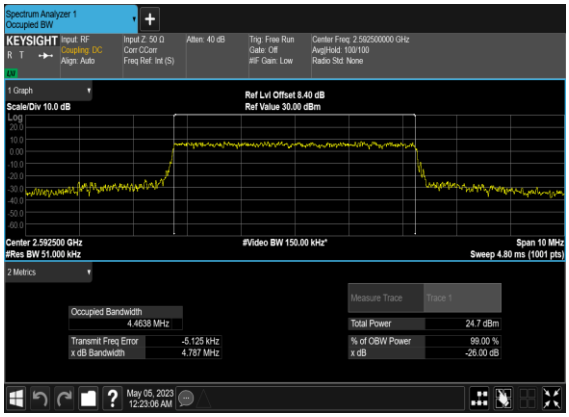
N38(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



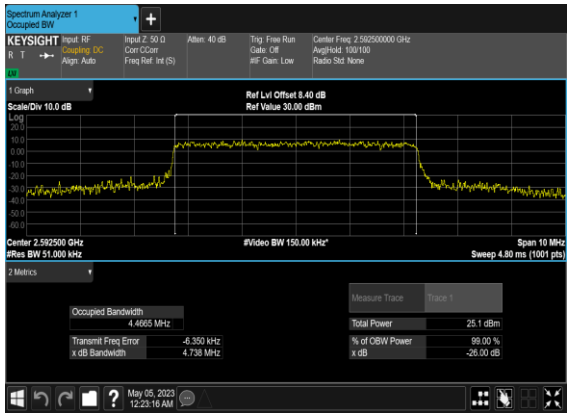
N38(5M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



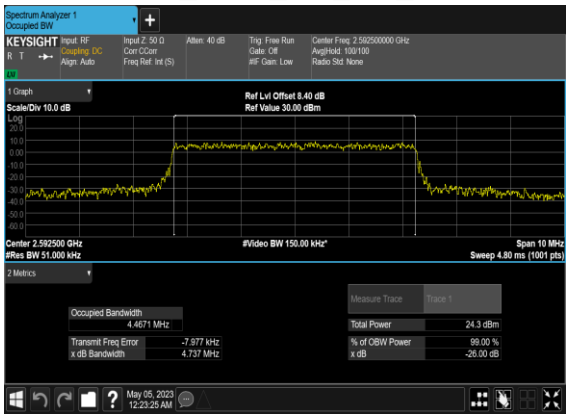
N38(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



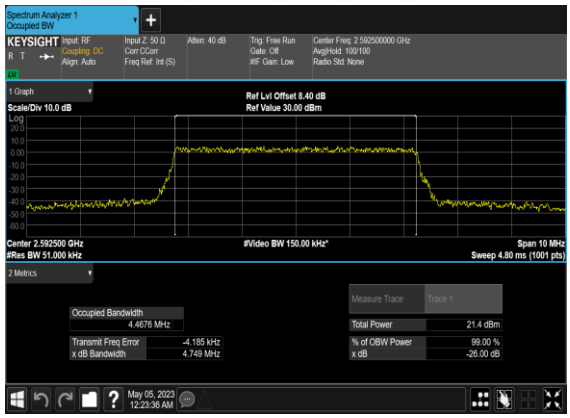
N38(5M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



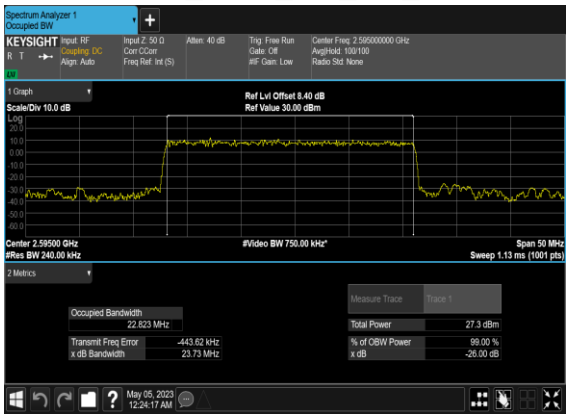
N38(5M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



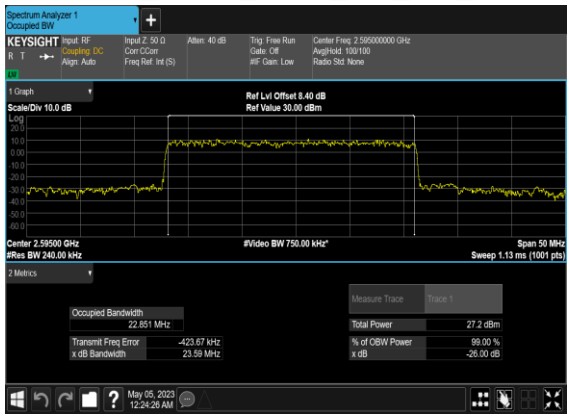
N38(5M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N38(25M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

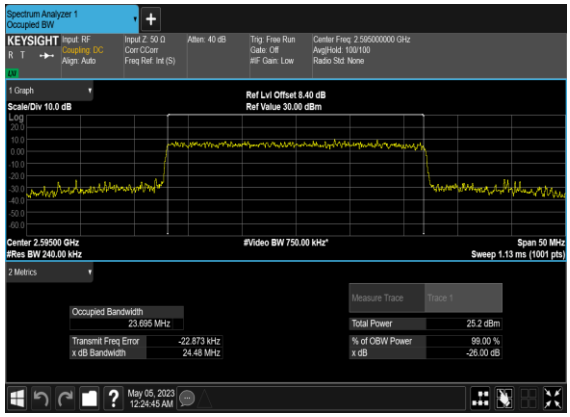


N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



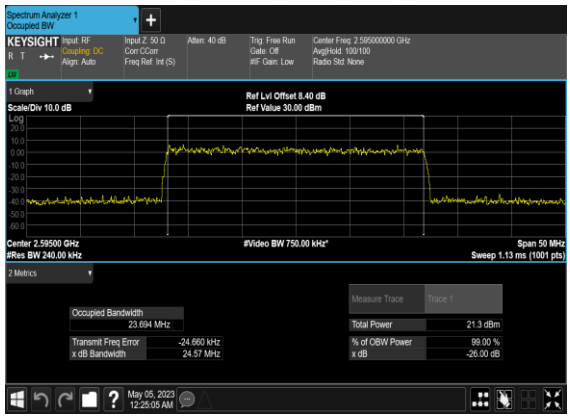
N38(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N38(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N38(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N38(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

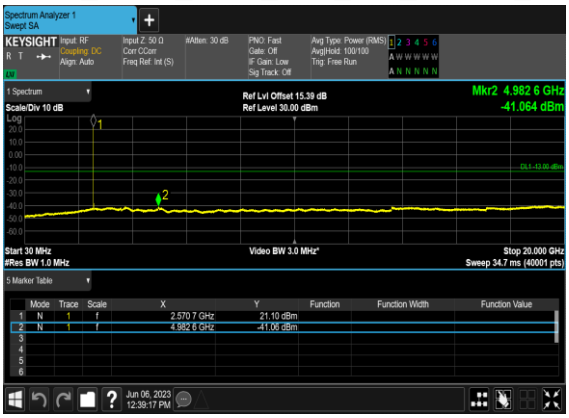


Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	518500	2592.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	5	518500	2592.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	518500	2592.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	518500	2592.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	15	5	518500	2592.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	518500	2592.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**---**

38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_514500_CH



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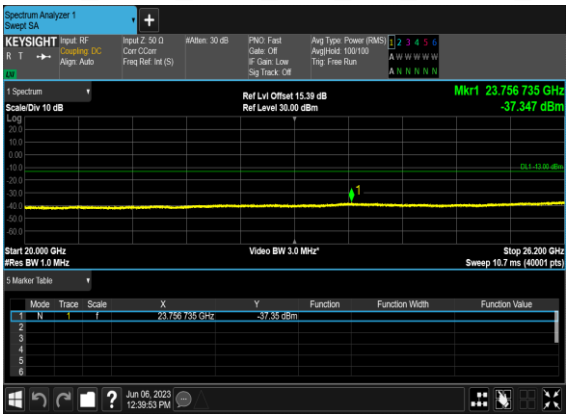

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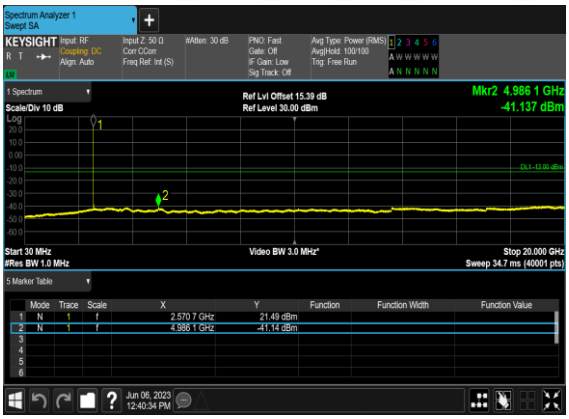

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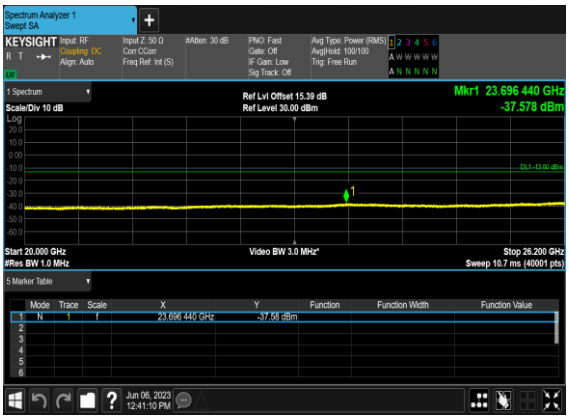

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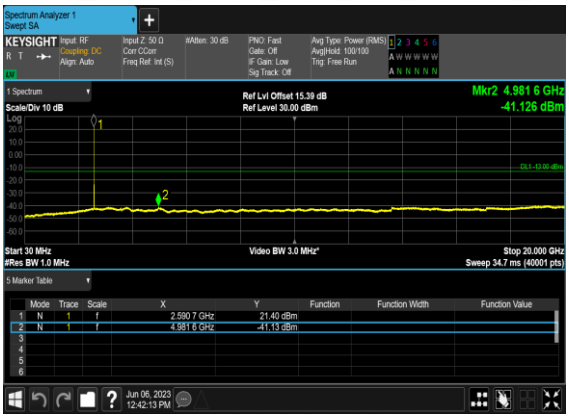

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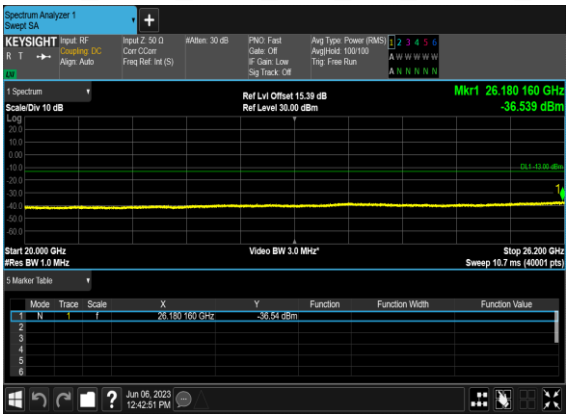

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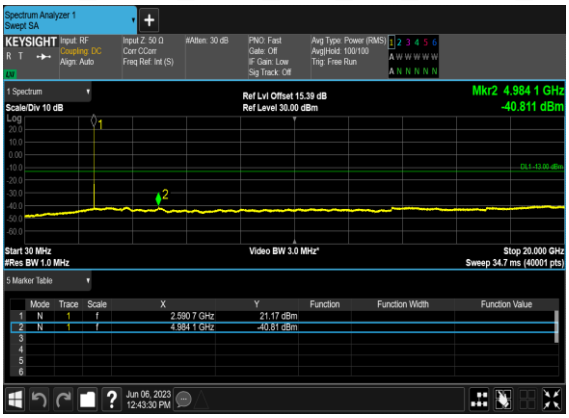

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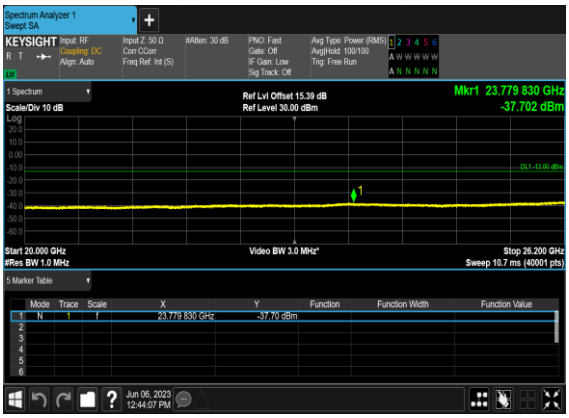

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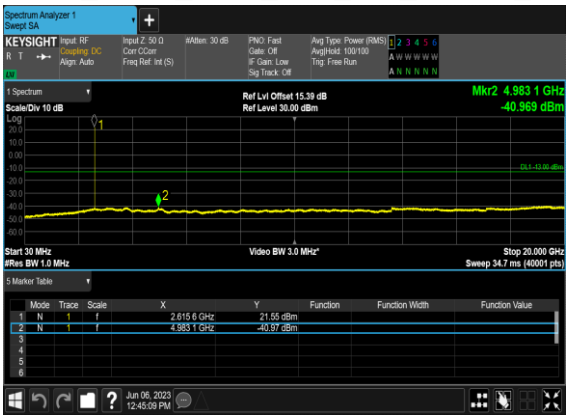

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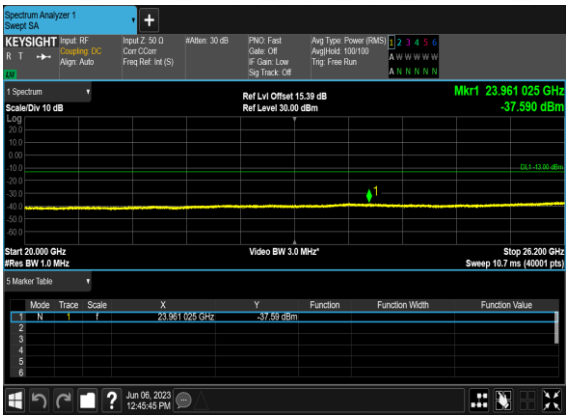

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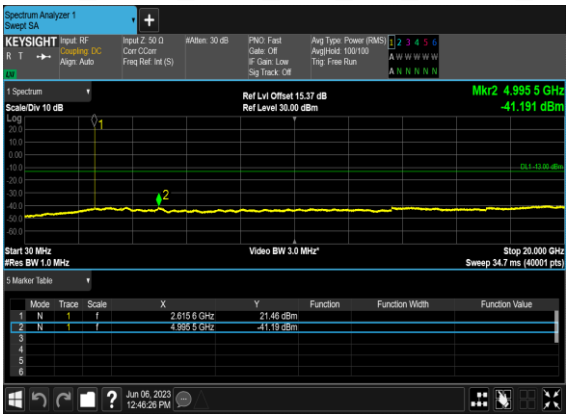

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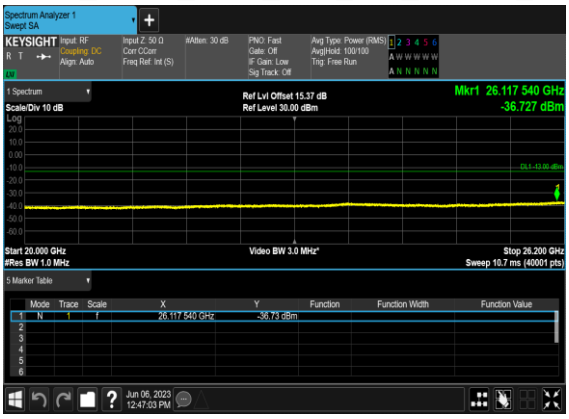

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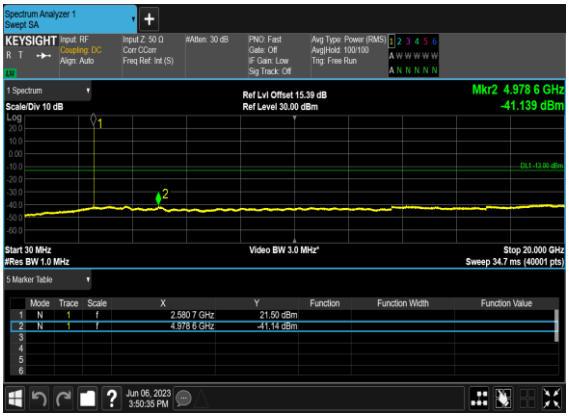

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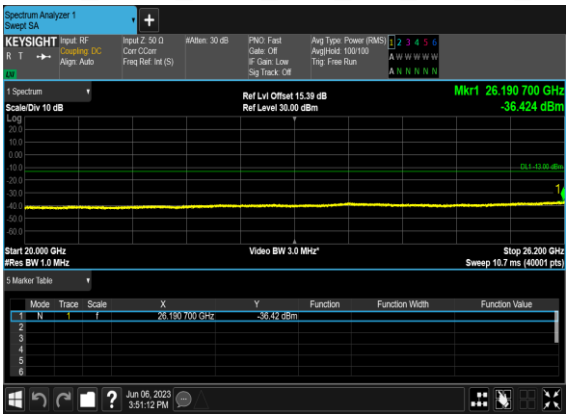

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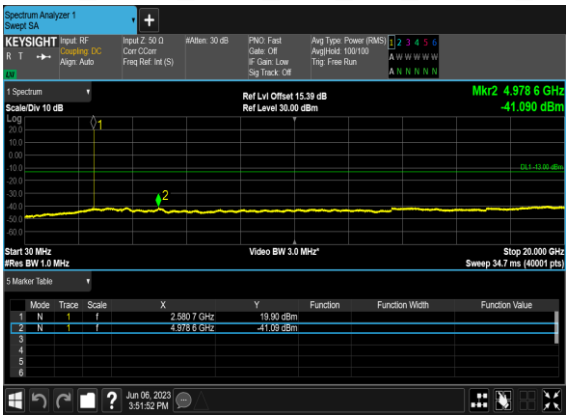

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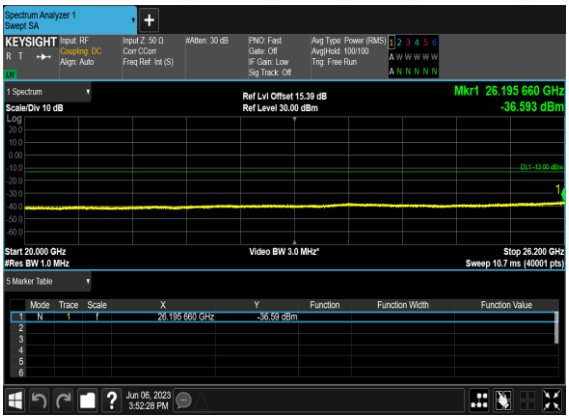

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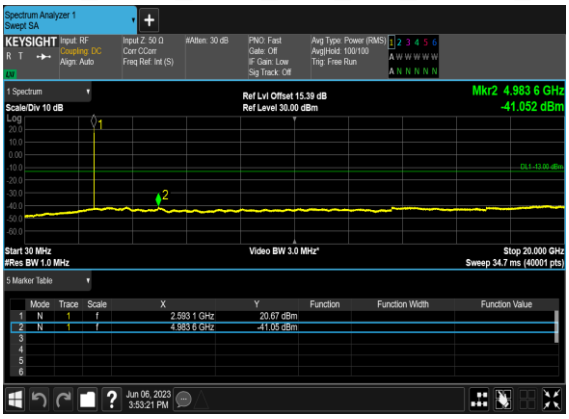

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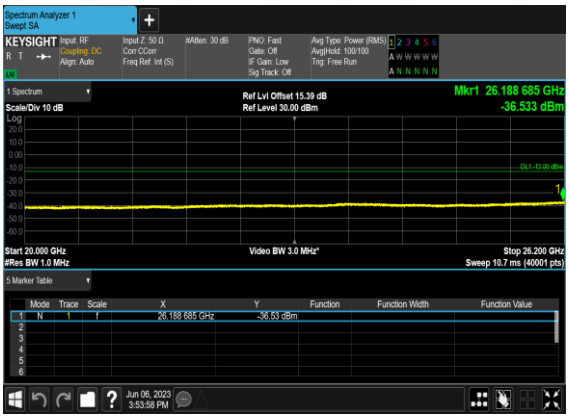

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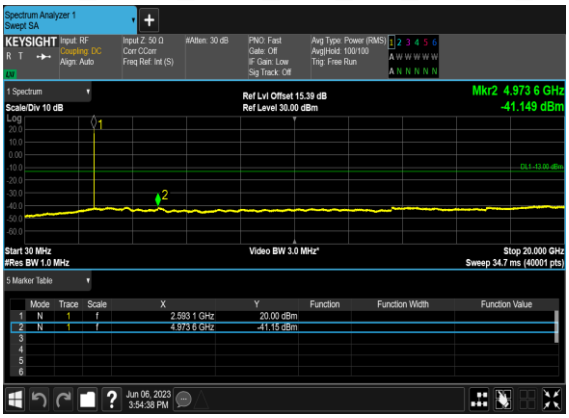

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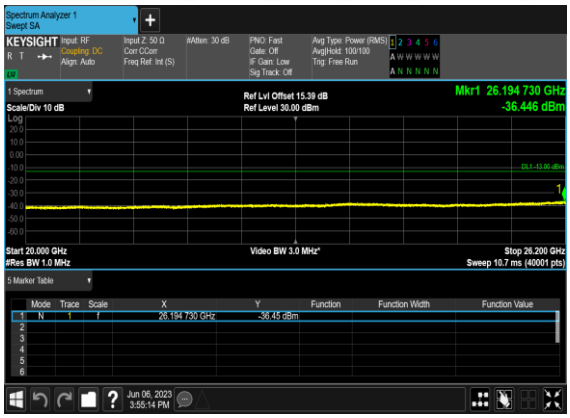

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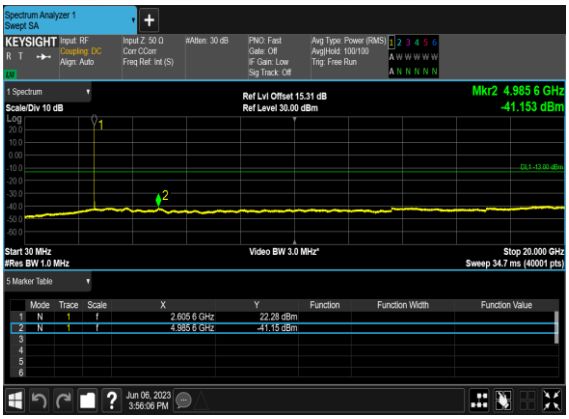

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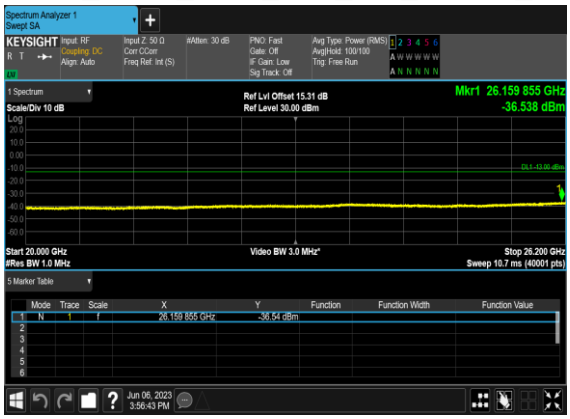
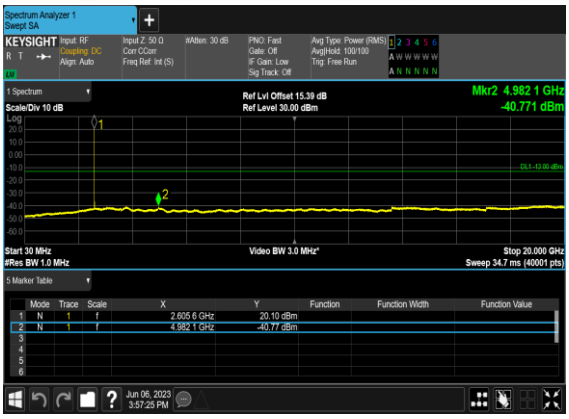
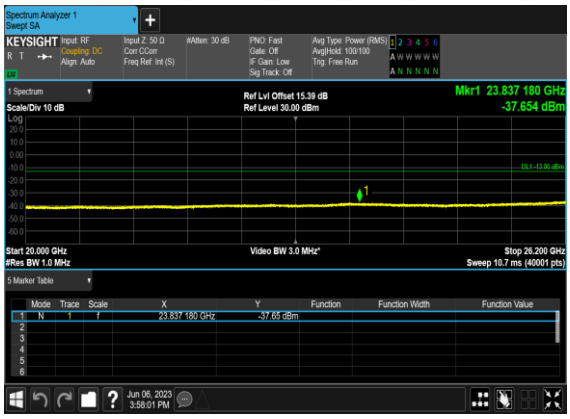


N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_521500_CH



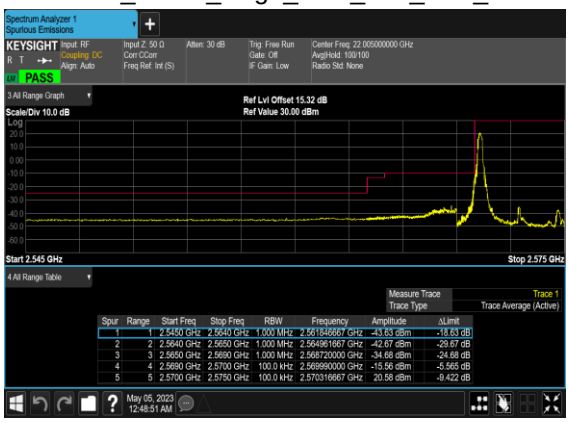
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_521500_CH



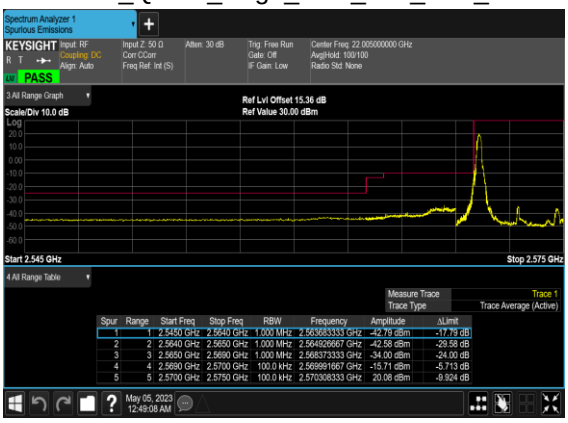
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	1@24	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@24	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	1@132	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@132	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	128@0	see graph	**PASS**

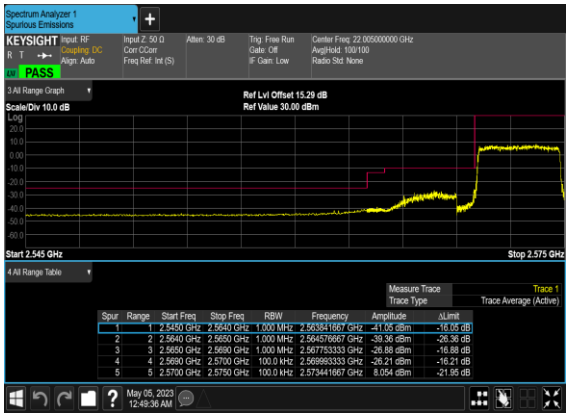
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



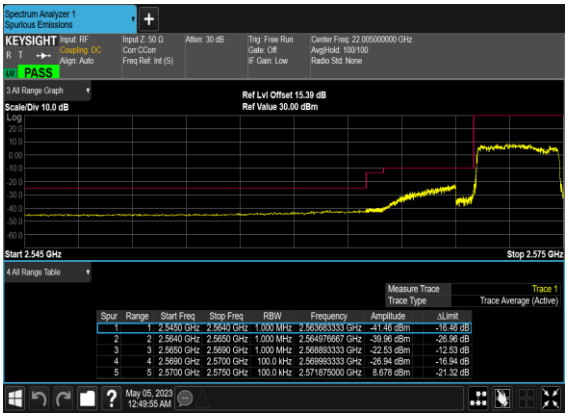
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



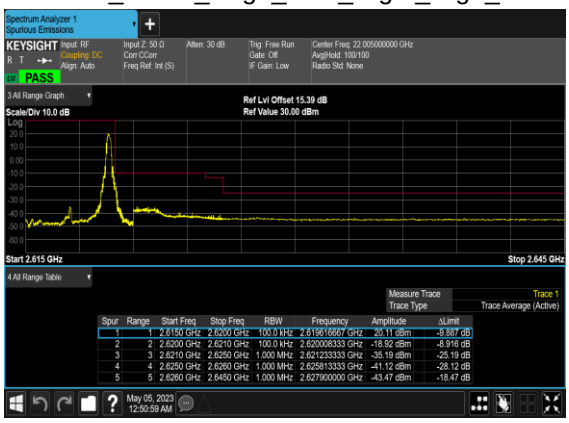
N38(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



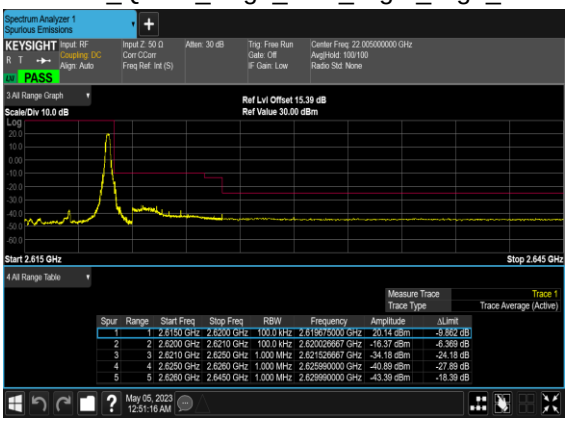
N38(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



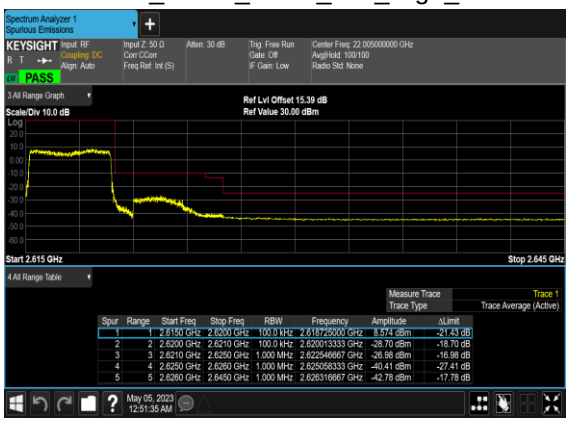
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



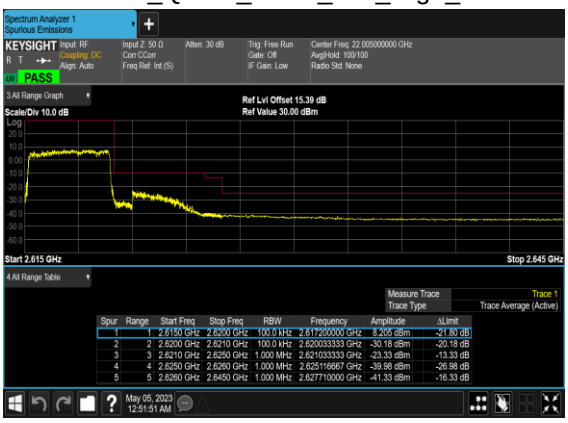
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



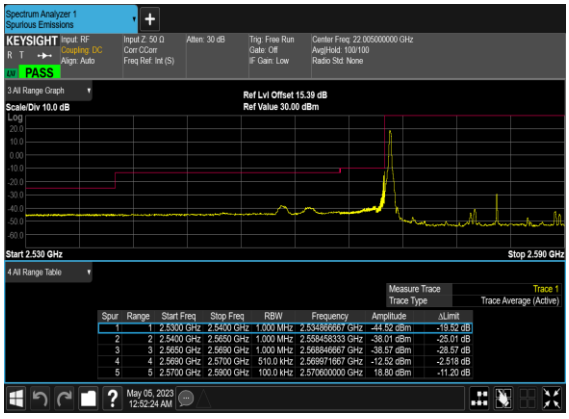
N38(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



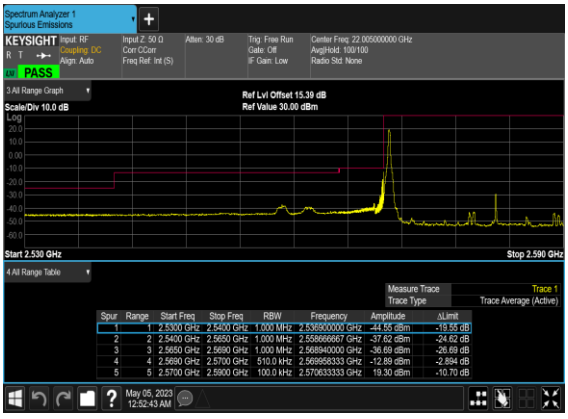
N38(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



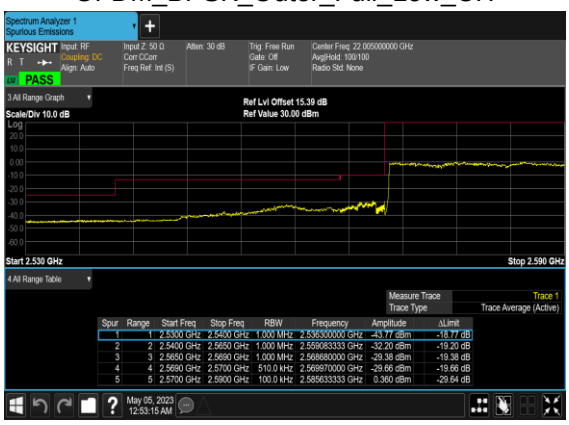
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



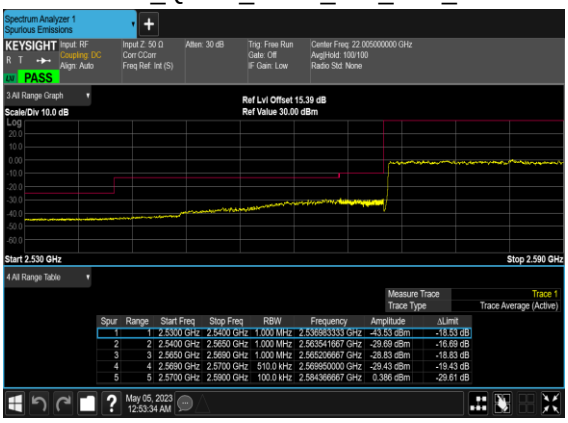
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



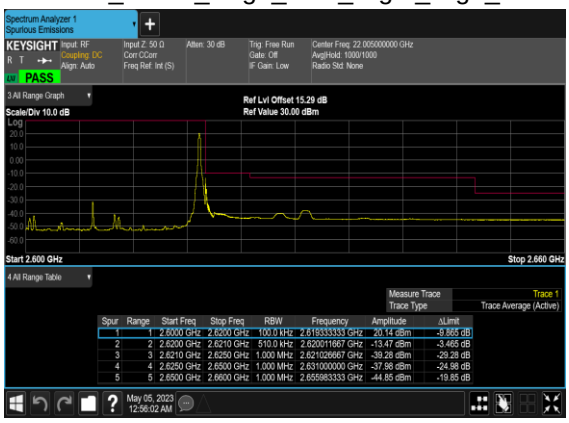
N38(25M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



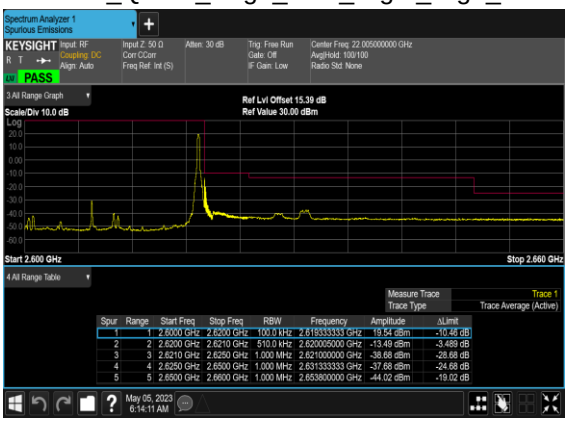
N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



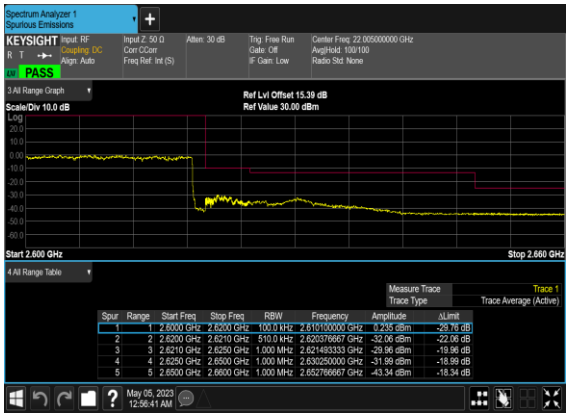
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



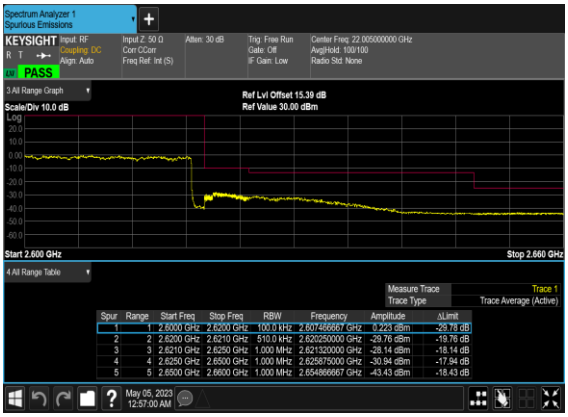
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N38(25M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.04.2801

FR1 N38 (MIMO ANT0+1) – SCS 15k

Transmitter Conducted Output Power

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	ANT0 Power (dBm)	ANT1 Power (dBm)	Conducted Power (dBm)	Conducted Power (W)
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@1	23.27	23.24	26.27	0.4236
38	15	5	514500	2572.5	DFT-s-OFDM 16 QAM	1@1	22.08	21.8	24.95	0.3126
38	15	5	518500	2592.5	DFT-s-OFDM QPSK	1@1	23.27	23.23	26.26	0.4227
38	15	5	518500	2592.5	DFT-s-OFDM 16 QAM	1@1	21.79	21.99	24.90	0.3090
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@1	23.46	23.6	26.54	0.4508
38	15	5	523500	2617.5	DFT-s-OFDM 16 QAM	1@1	22.13	22.27	25.21	0.3319
38	15	10	515000	2575	DFT-s-OFDM QPSK	1@1	23.27	23.06	26.18	0.4150
38	15	10	515000	2575	DFT-s-OFDM 16 QAM	1@1	22.28	22.15	25.23	0.3334
38	15	10	519000	2595	DFT-s-OFDM QPSK	1@1	23.08	23.13	26.12	0.4093
38	15	10	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.13	22.11	25.13	0.3258
38	15	10	523000	2615	DFT-s-OFDM QPSK	1@1	23.49	23.59	26.55	0.4519
38	15	10	523000	2615	DFT-s-OFDM 16 QAM	1@1	22.31	22.46	25.40	0.3467
38	15	15	515500	2577.5	DFT-s-OFDM QPSK	1@1	23.14	23.01	26.09	0.4064
38	15	15	515500	2577.5	DFT-s-OFDM 16 QAM	1@1	22.26	22.14	25.21	0.3319
38	15	15	519000	2595	DFT-s-OFDM QPSK	1@1	23.02	23.08	26.06	0.4036
38	15	15	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.01	22	25.02	0.3177
38	15	15	522500	2612.5	DFT-s-OFDM QPSK	1@1	23.3	23.24	26.28	0.4246
38	15	15	522500	2612.5	DFT-s-OFDM 16 QAM	1@1	22.42	22.28	25.36	0.3436
38	15	20	516000	2580	DFT-s-OFDM QPSK	1@1	23.22	23.09	26.17	0.4140
38	15	20	516000	2580	DFT-s-OFDM 16 QAM	1@1	22.22	22.05	25.15	0.3273
38	15	20	519000	2595	DFT-s-OFDM QPSK	1@1	23.33	23.26	26.31	0.4276
38	15	20	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.11	22.05	25.09	0.3228
38	15	20	522000	2610	DFT-s-OFDM QPSK	1@1	23.45	23.43	26.45	0.4416
38	15	20	522000	2610	DFT-s-OFDM 16 QAM	1@1	22.29	22.31	25.31	0.3396
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@1	22.88	23	25.95	0.3936
38	15	25	516500	2582.5	DFT-s-OFDM 16 QAM	1@1	21.84	21.94	24.90	0.3090
38	15	25	519000	2595	DFT-s-OFDM QPSK	1@1	22.8	23.23	26.03	0.4009
38	15	25	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.8	22.06	24.94	0.3119
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@1	22.85	23.18	26.03	0.4009
38	15	25	521500	2607.5	DFT-s-OFDM 16 QAM	1@1	21.88	22.07	24.99	0.3155
38	15	30	517000	2585	DFT-s-OFDM QPSK	1@1	22.95	23.03	26.00	0.3981
38	15	30	517000	2585	DFT-s-OFDM 16 QAM	1@1	21.97	22.04	25.02	0.3177
38	15	30	519000	2595	DFT-s-OFDM QPSK	1@1	23.05	23.21	26.14	0.4111
38	15	30	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.9	22.07	25.00	0.3162
38	15	30	521000	2605	DFT-s-OFDM QPSK	1@1	22.95	23.21	26.09	0.4064
38	15	30	521000	2605	DFT-s-OFDM 16 QAM	1@1	21.8	22.05	24.94	0.3119
38	15	40	518000	2590	DFT-s-OFDM PI/2 BPSK	108@54	22.98	23.17	26.09	0.4064
38	15	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@1	22.97	23.03	26.01	0.3990
38	15	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@214	23.13	23.41	26.28	0.4246
38	15	40	518000	2590	DFT-s-OFDM QPSK	108@54	22.99	23.14	26.08	0.4055
38	15	40	518000	2590	DFT-s-OFDM QPSK	1@1	23.07	23.2	26.15	0.4121
38	15	40	518000	2590	DFT-s-OFDM QPSK	1@214	23.26	23.55	26.42	0.4385

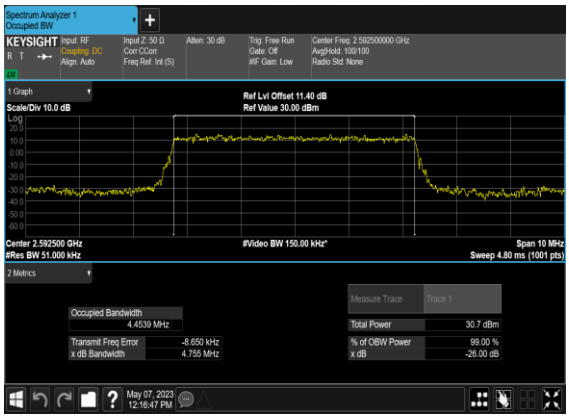
38	15	40	518000	2590	DFT-s-OFDM 16 QAM	108@54	22.04	22.25	25.16	0.3281
38	15	40	518000	2590	DFT-s-OFDM 16 QAM	1@1	21.86	21.68	24.78	0.3006
38	15	40	518000	2590	DFT-s-OFDM 16 QAM	1@214	21.96	22.31	25.15	0.3273
38	15	40	518000	2590	DFT-s-OFDM 64 QAM	108@54	20.49	20.66	23.59	0.2286
38	15	40	518000	2590	DFT-s-OFDM 64 QAM	1@1	20.86	20.65	23.77	0.2382
38	15	40	518000	2590	DFT-s-OFDM 64 QAM	1@214	20.75	21.29	24.04	0.2535
38	15	40	518000	2590	DFT-s-OFDM 256 QAM	108@54	18.47	18.67	21.58	0.1439
38	15	40	518000	2590	DFT-s-OFDM 256 QAM	1@1	18.37	18.99	21.70	0.1479
38	15	40	518000	2590	DFT-s-OFDM 256 QAM	1@214	19.14	18.88	22.02	0.1592
38	15	40	518000	2590	CP-OFDM QPSK	108@54	21.46	21.7	24.59	0.2877
38	15	40	518000	2590	CP-OFDM QPSK	1@1	21.48	21.64	24.57	0.2864
38	15	40	518000	2590	CP-OFDM QPSK	1@214	21.87	22.02	24.96	0.3133
38	15	40	519000	2595	DFT-s-OFDM PI/2 BPSK	108@54	22.98	23.24	26.12	0.4093
38	15	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	22.87	23.1	26.00	0.3981
38	15	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@214	23.12	23.56	26.36	0.4325
38	15	40	519000	2595	DFT-s-OFDM QPSK	108@54	22.99	23.22	26.12	0.4093
38	15	40	519000	2595	DFT-s-OFDM QPSK	1@1	23	23.21	26.12	0.4093
38	15	40	519000	2595	DFT-s-OFDM QPSK	1@214	23.15	23.59	26.39	0.4355
38	15	40	519000	2595	DFT-s-OFDM 16 QAM	108@54	22.05	22.35	25.21	0.3319
38	15	40	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.87	21.86	24.88	0.3076
38	15	40	519000	2595	DFT-s-OFDM 16 QAM	1@214	21.93	22.33	25.14	0.3266
38	15	40	519000	2595	DFT-s-OFDM 64 QAM	108@54	20.49	20.76	23.64	0.2312
38	15	40	519000	2595	DFT-s-OFDM 64 QAM	1@1	20.58	20.68	23.64	0.2312
38	15	40	519000	2595	DFT-s-OFDM 64 QAM	1@214	20.75	21.26	24.02	0.2523
38	15	40	519000	2595	DFT-s-OFDM 256 QAM	108@54	18.43	18.81	21.63	0.1455
38	15	40	519000	2595	DFT-s-OFDM 256 QAM	1@1	18.36	18.42	21.40	0.1380
38	15	40	519000	2595	DFT-s-OFDM 256 QAM	1@214	19.2	19.04	22.13	0.1633
38	15	40	519000	2595	CP-OFDM QPSK	108@54	21.42	21.77	24.61	0.2891
38	15	40	519000	2595	CP-OFDM QPSK	1@1	21.53	21.68	24.62	0.2897
38	15	40	519000	2595	CP-OFDM QPSK	1@214	21.62	22.12	24.89	0.3083
38	15	40	520000	2600	DFT-s-OFDM PI/2 BPSK	108@54	23.03	23.23	26.14	0.4111
38	15	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@1	22.93	23.07	26.01	0.3990
38	15	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@214	23.15	23.5	26.34	0.4305
38	15	40	520000	2600	DFT-s-OFDM QPSK	108@54	22.99	23.31	26.16	0.4130
38	15	40	520000	2600	DFT-s-OFDM QPSK	1@1	22.96	23.1	26.04	0.4018
38	15	40	520000	2600	DFT-s-OFDM QPSK	1@214	23.46	23.62	**26.55**	0.4519
38	15	40	520000	2600	DFT-s-OFDM 16 QAM	108@54	22.13	22.37	25.26	0.3357
38	15	40	520000	2600	DFT-s-OFDM 16 QAM	1@1	21.86	22.04	24.96	0.3133
38	15	40	520000	2600	DFT-s-OFDM 16 QAM	1@214	22.05	22.49	25.29	0.3381
38	15	40	520000	2600	DFT-s-OFDM 64 QAM	108@54	20.54	20.86	23.71	0.2350
38	15	40	520000	2600	DFT-s-OFDM 64 QAM	1@1	20.57	20.7	23.65	0.2317
38	15	40	520000	2600	DFT-s-OFDM 64 QAM	1@214	20.45	21.23	23.87	0.2438
38	15	40	520000	2600	DFT-s-OFDM 256 QAM	108@54	18.52	18.81	21.68	0.1472
38	15	40	520000	2600	DFT-s-OFDM 256 QAM	1@1	18.3	18.99	21.67	0.1469
38	15	40	520000	2600	DFT-s-OFDM 256 QAM	1@214	18.61	19.63	22.16	0.1644
38	15	40	520000	2600	CP-OFDM QPSK	108@54	21.51	21.81	24.67	0.2931
38	15	40	520000	2600	CP-OFDM QPSK	1@1	21.51	21.51	24.52	0.2831
38	15	40	520000	2600	CP-OFDM QPSK	1@214	21.91	22.12	25.03	0.3184

FR1 N38 (MIMO_ANT0) – SCS 15k

Occupied Bandwidth

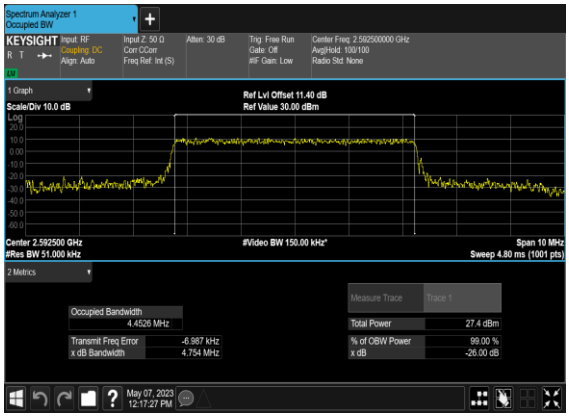
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
38	15	5	518500	2592.5	DFT-s-OFDM PI/2 BPSK	25@0	4.4539	4.755
38	15	5	518500	2592.5	DFT-s-OFDM QPSK	25@0	4.4518	4.792
38	15	5	518500	2592.5	CP-OFDM QPSK	25@0	4.4526	4.754
38	15	5	518500	2592.5	CP-OFDM 16 QAM	25@0	4.4626	4.79
38	15	5	518500	2592.5	CP-OFDM 64 QAM	25@0	4.4596	4.747
38	15	5	518500	2592.5	CP-OFDM 256 QAM	25@0	4.4523	4.742
38	15	25	519000	2595.0	DFT-s-OFDM PI/2 BPSK	128@0	22.806	23.67
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	128@0	22.82	23.61
38	15	25	519000	2595.0	CP-OFDM QPSK	133@0	23.673	24.54
38	15	25	519000	2595.0	CP-OFDM 16 QAM	133@0	23.697	24.59
38	15	25	519000	2595.0	CP-OFDM 64 QAM	133@0	23.653	24.5
38	15	25	519000	2595.0	CP-OFDM 256 QAM	133@0	23.721	24.47

N38(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



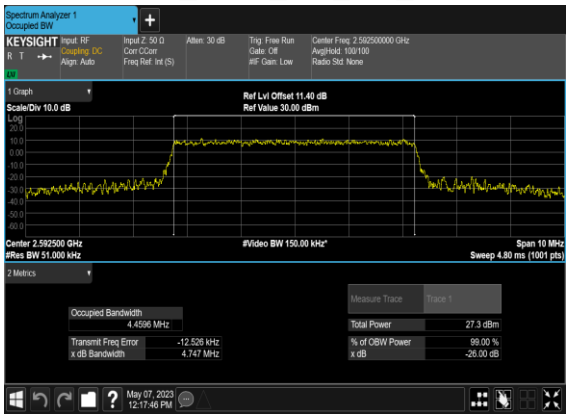
N38(5M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

N38(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

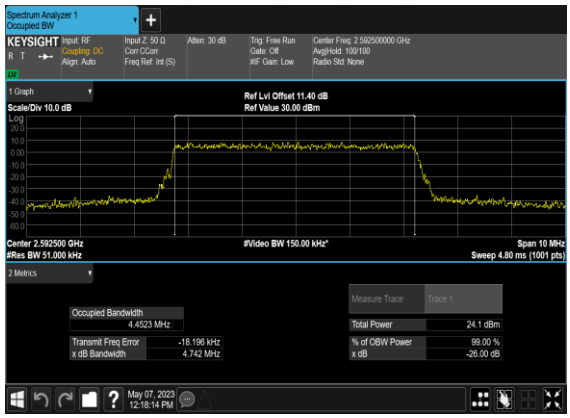


N38(5M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

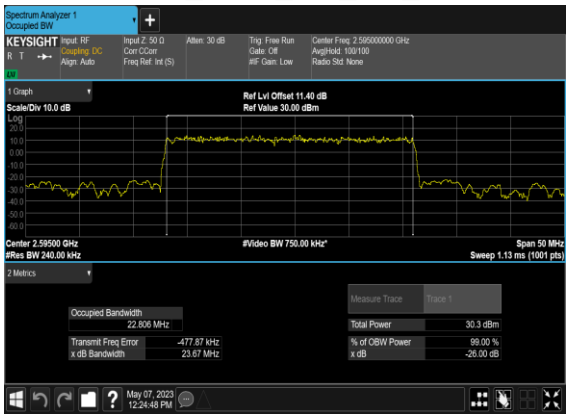
N38(5M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N38(5M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

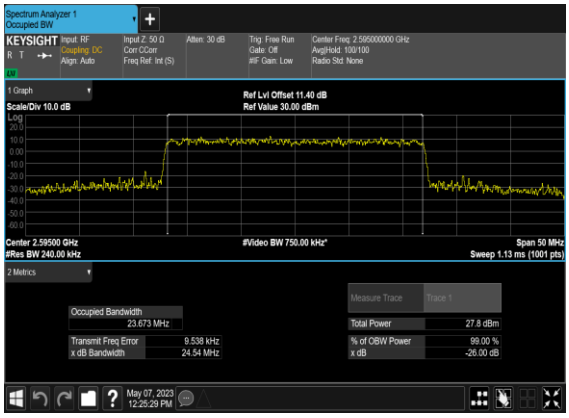


N38(25M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

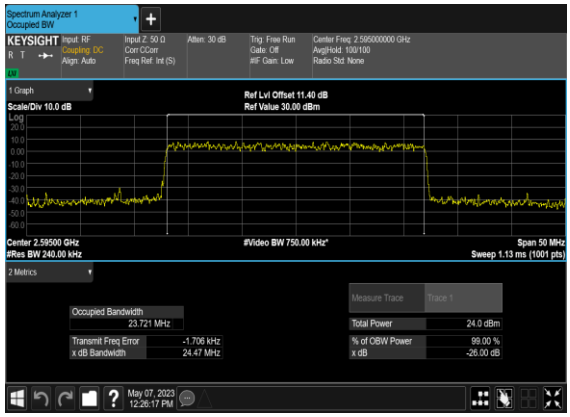
N38(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N38(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N38(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N38(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

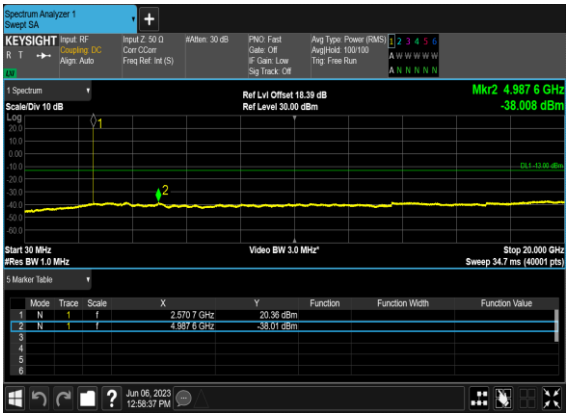


Conducted Spurious Emissions

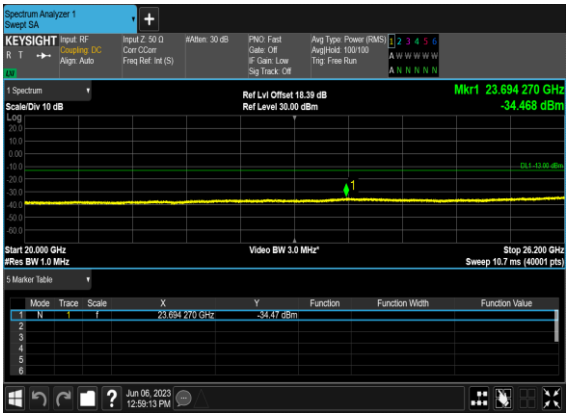
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	518500	2592.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	5	518500	2592.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	518500	2592.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	518500	2592.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	15	5	518500	2592.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	518500	2592.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

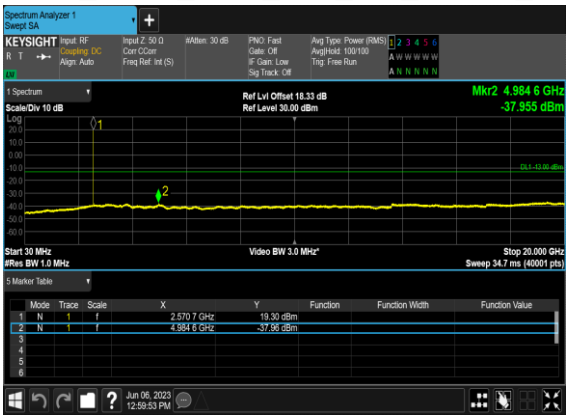
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_514500_CH



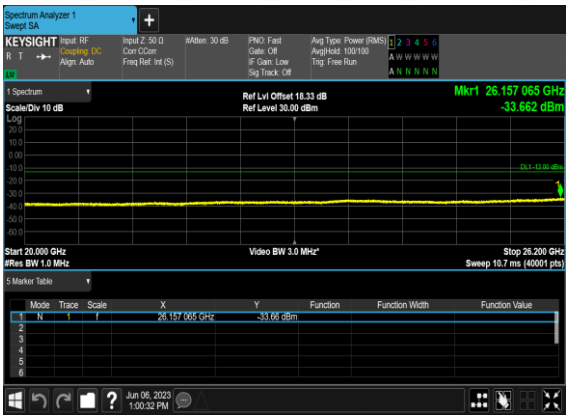
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_514500_CH



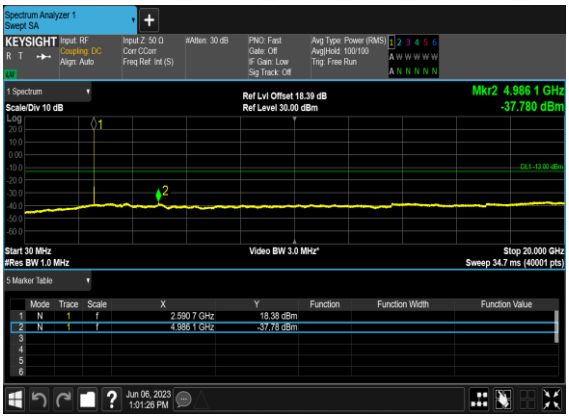
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_514500_CH



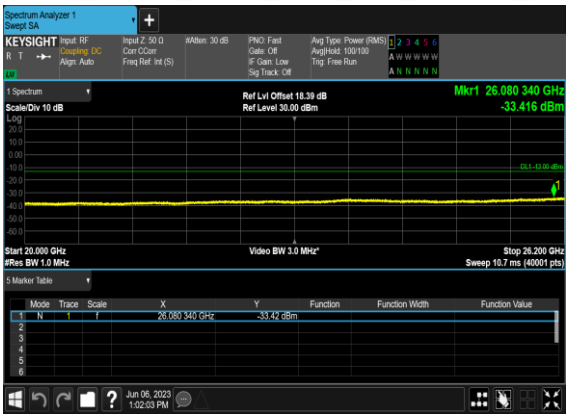
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_514500_CH



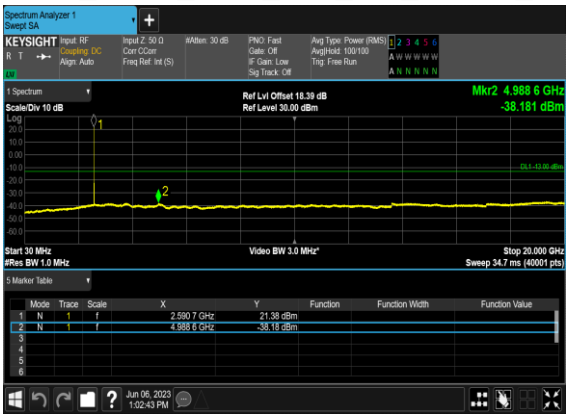
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_518500_CH



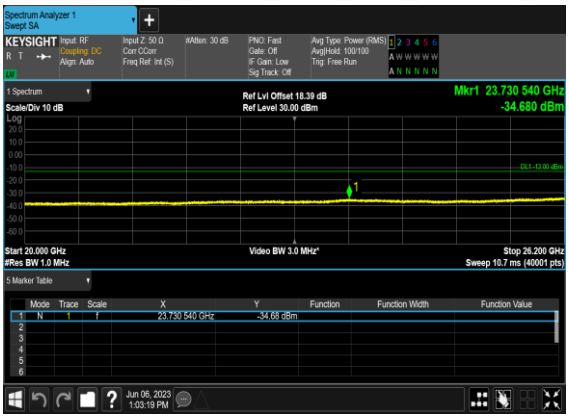
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_518500_CH



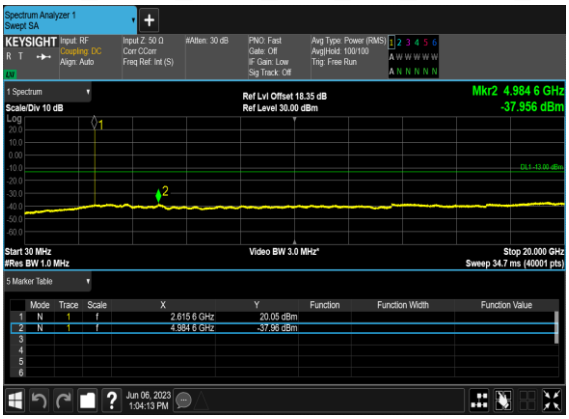
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_518500_CH



N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_518500_CH



N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_523500_CH



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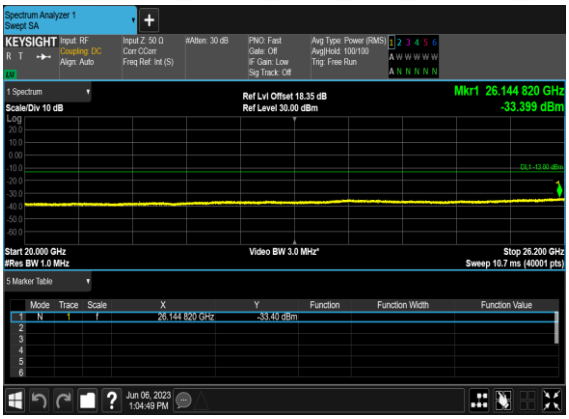

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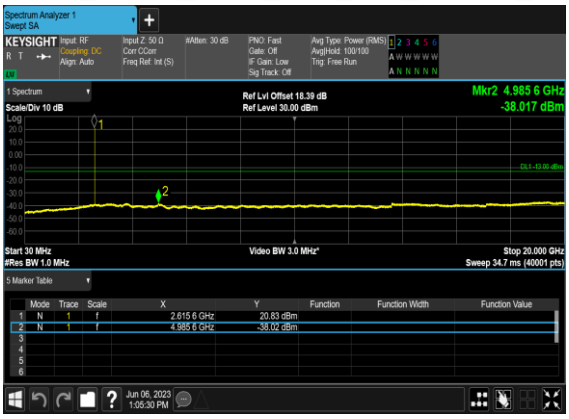

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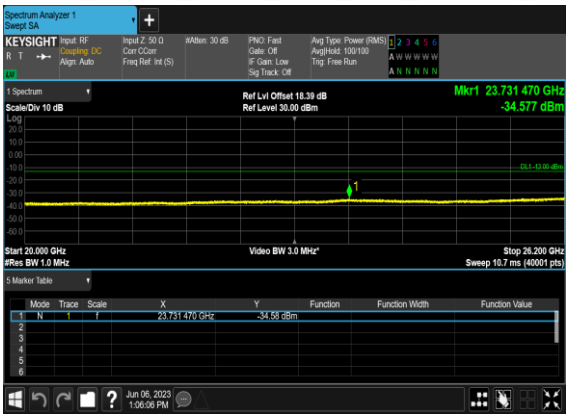
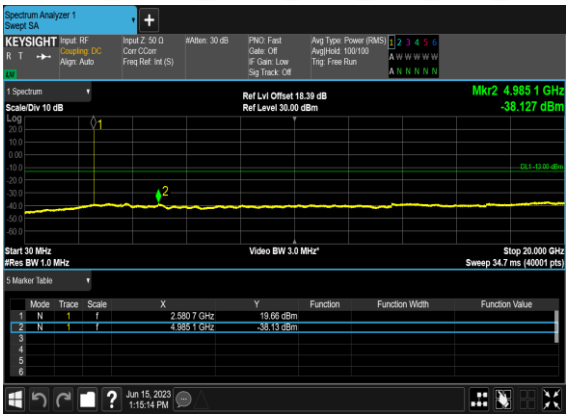


N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



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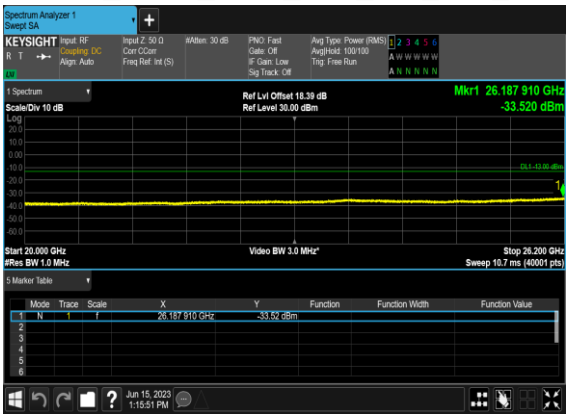

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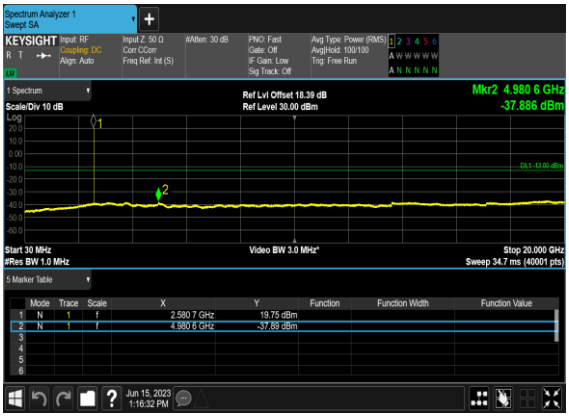

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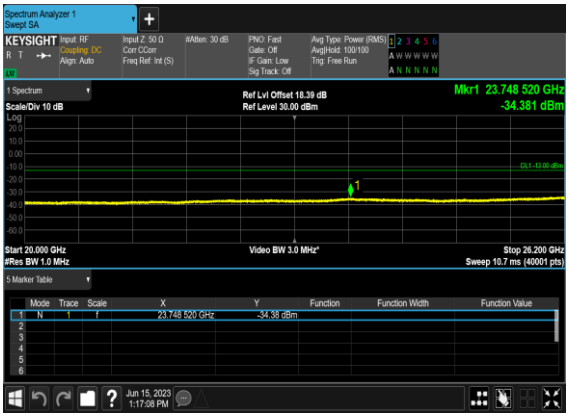
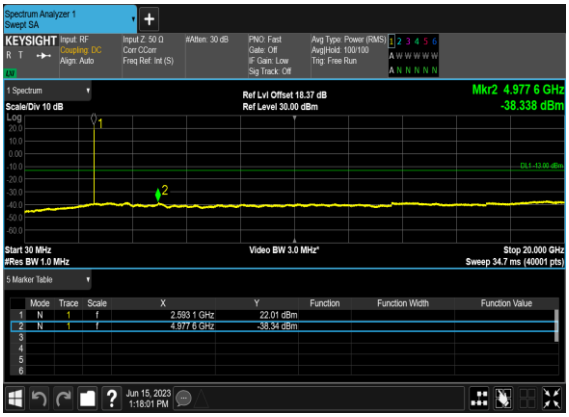
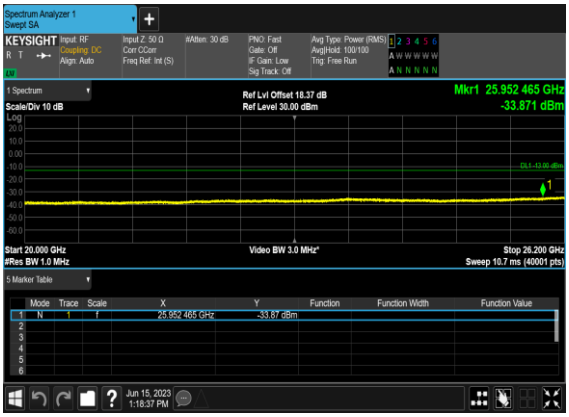


N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH