

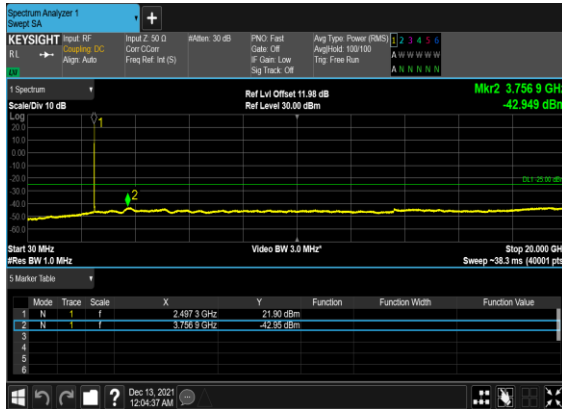
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



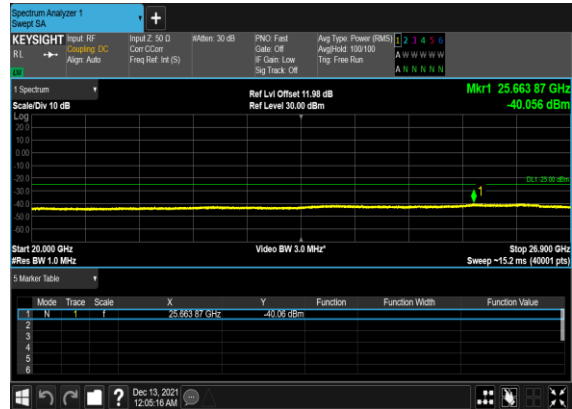
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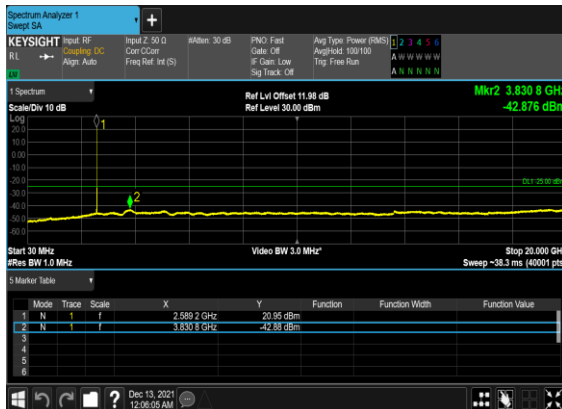
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N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



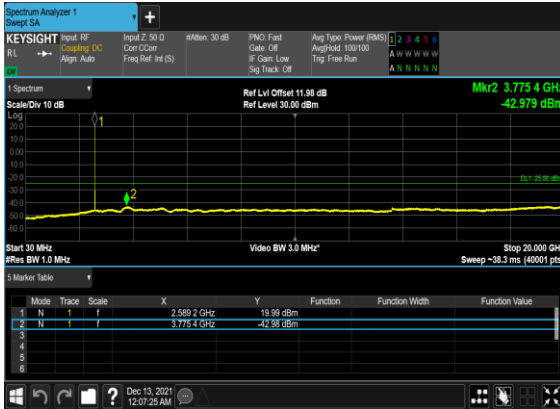
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N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



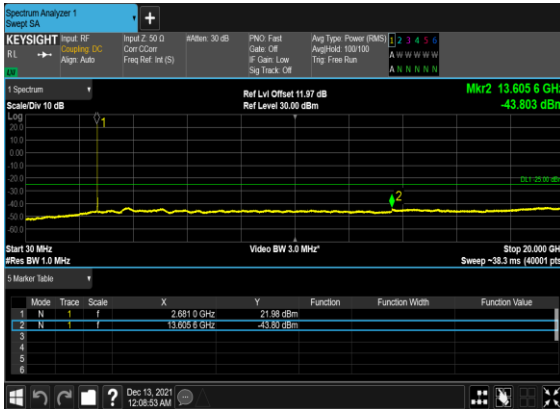
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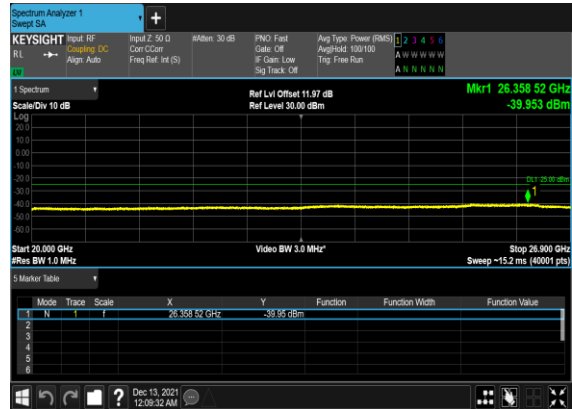
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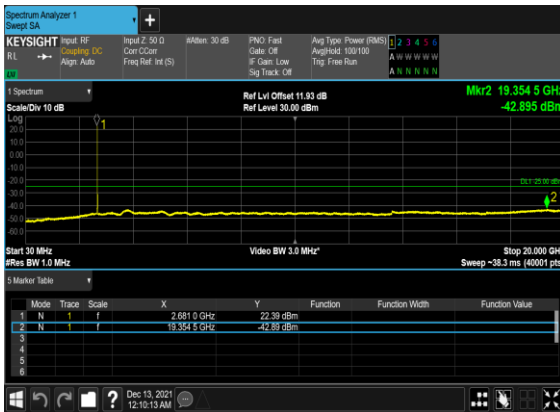
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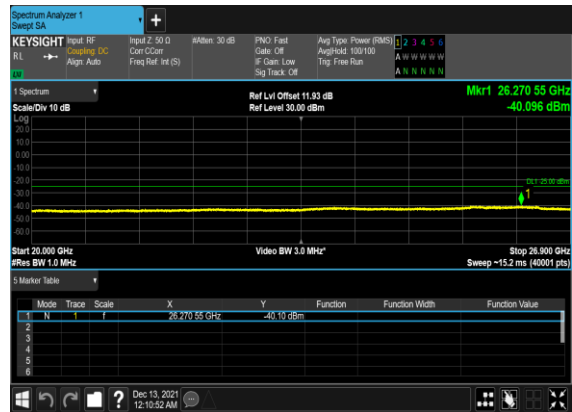
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N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



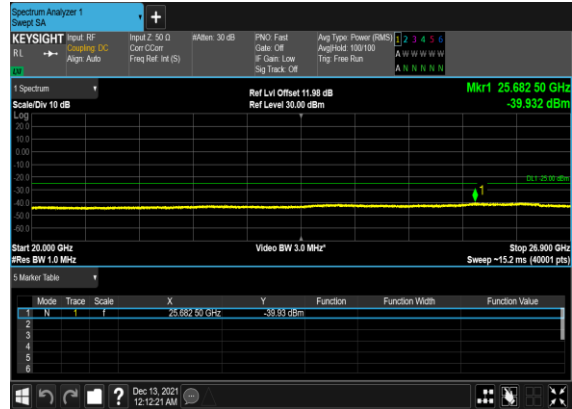
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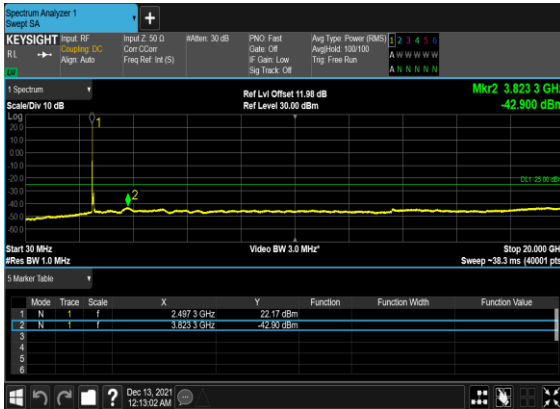
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OFDM_BPSK_Edge_1RB_Left_Low_CH



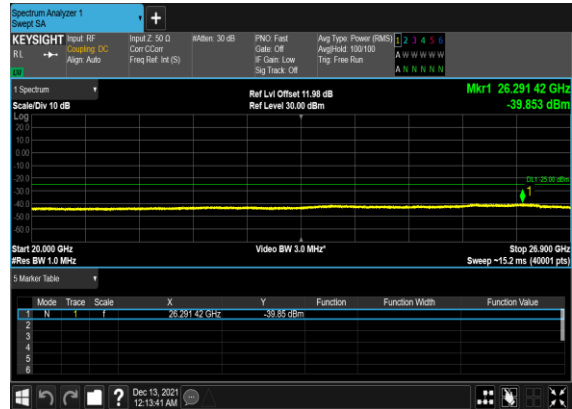
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OFDM_BPSK_Edge_1RB_Left_Low_CH



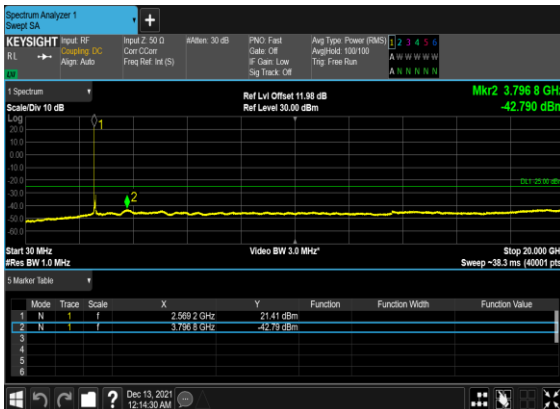
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OFDM_QPSK_Edge_1RB_Left_Low_CH



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OFDM_QPSK_Edge_1RB_Left_Low_CH



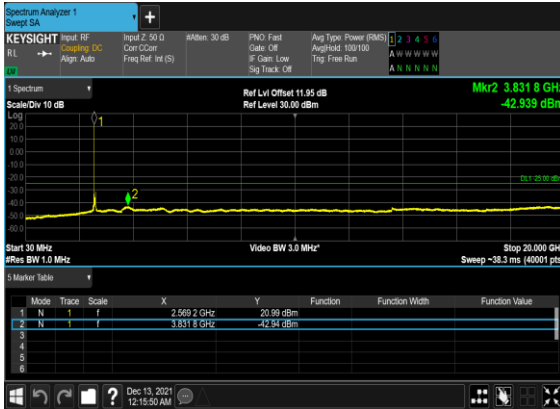
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OFDM_BPSK_Edge_1RB_Left_Mid_CH



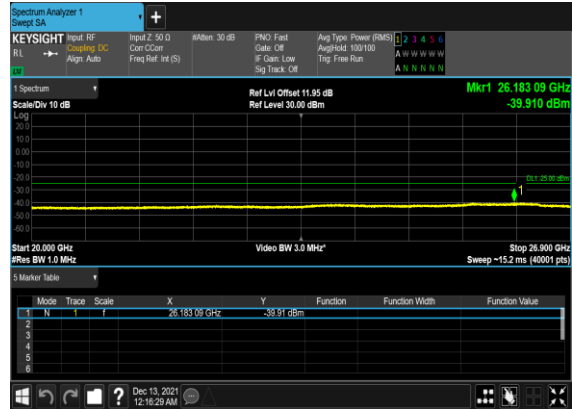
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OFDM_BPSK_Edge_1RB_Left_Mid_CH



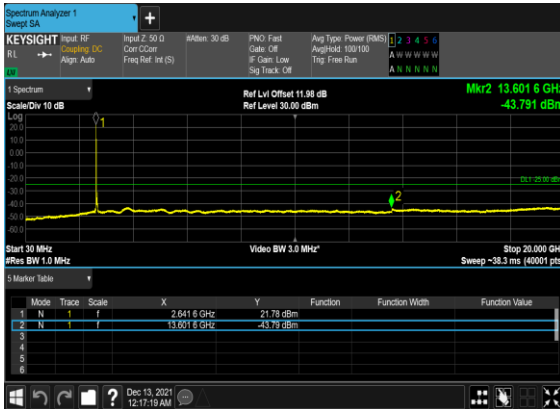
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N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



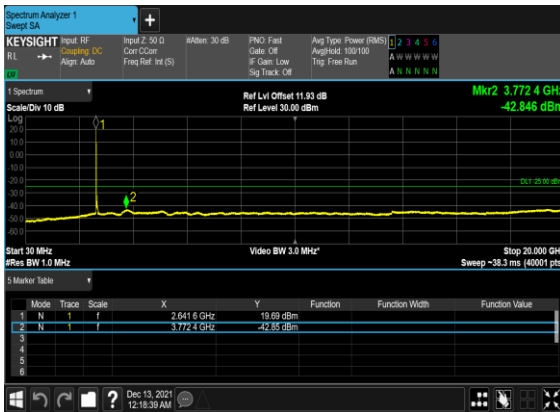
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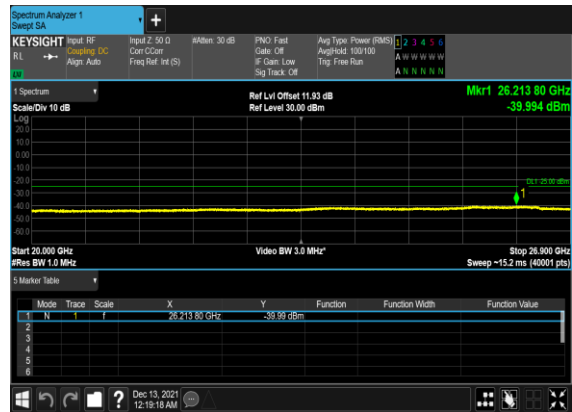
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N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



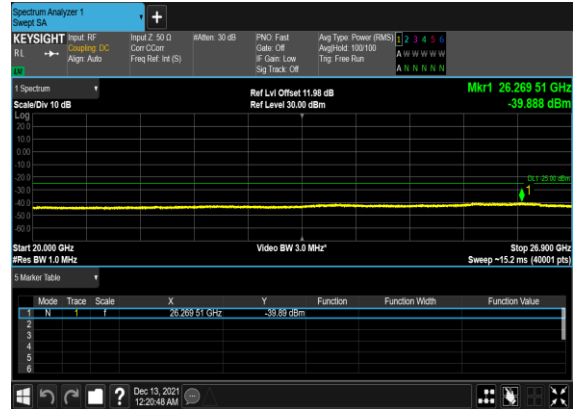
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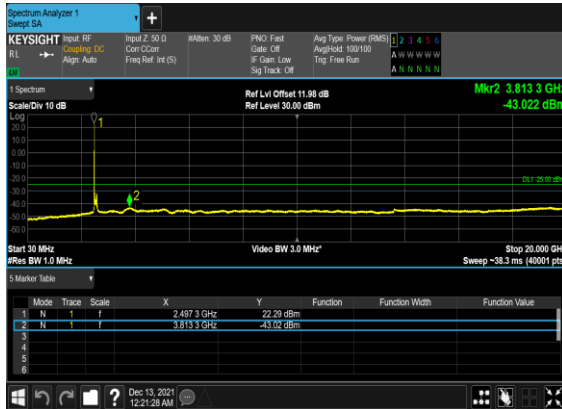
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N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



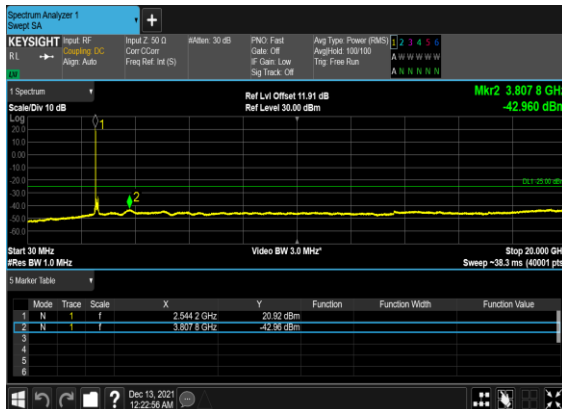
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



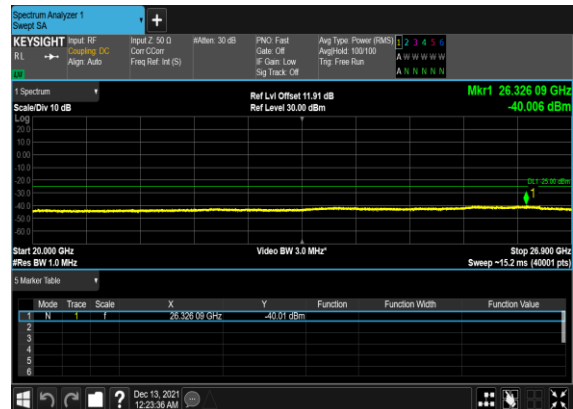
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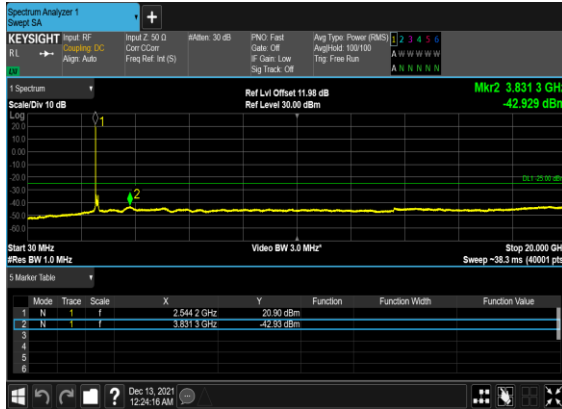
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



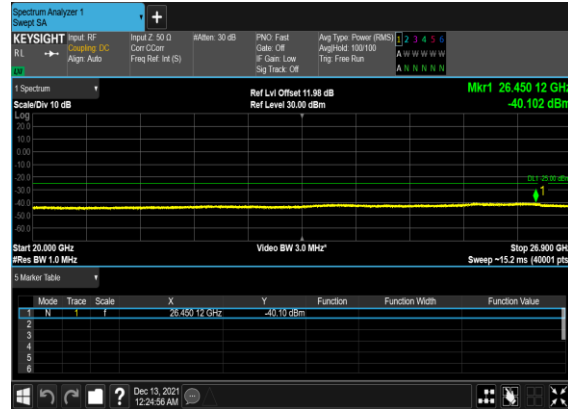
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



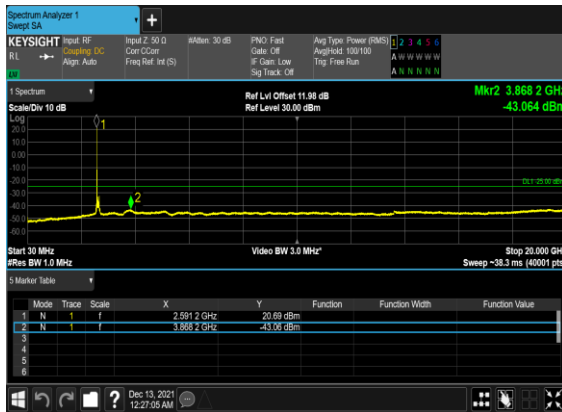
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OFDM_BPSK_Edge_1RB_Left_High_CH



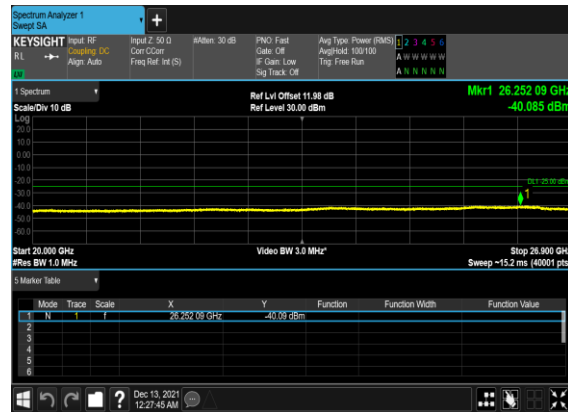
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	24@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	24@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@23	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@23	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	128@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	128@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@132	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@132	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	128@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	128@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	270@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@272	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	270@0	see graph	PASS

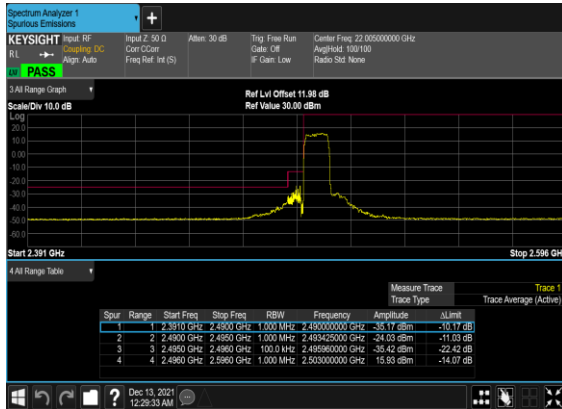
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



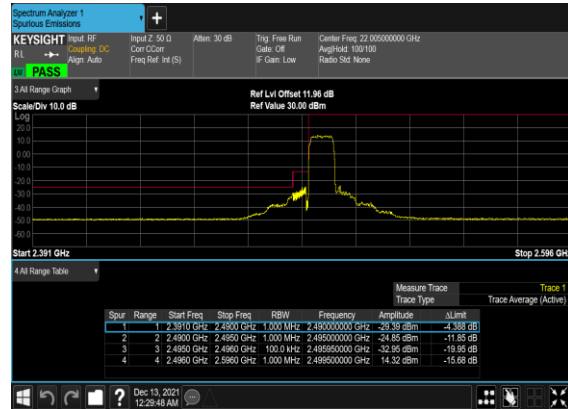
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



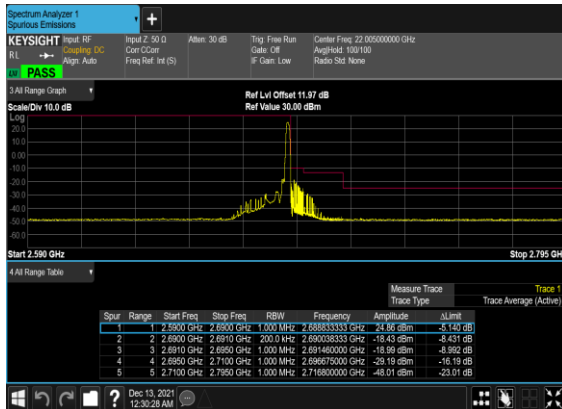
N41(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



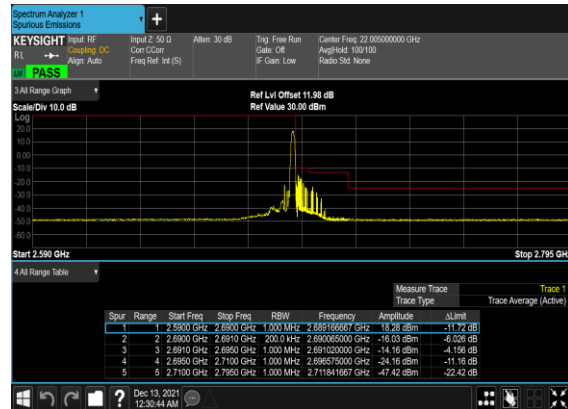
N41(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



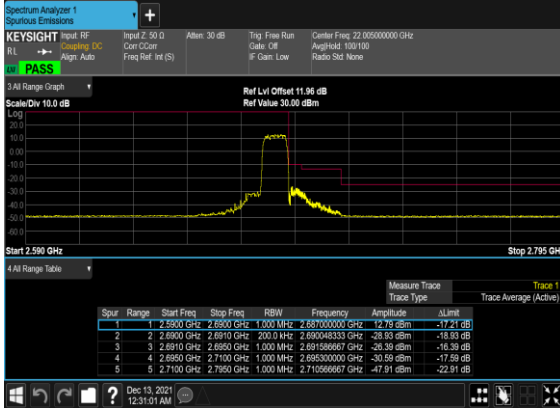
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



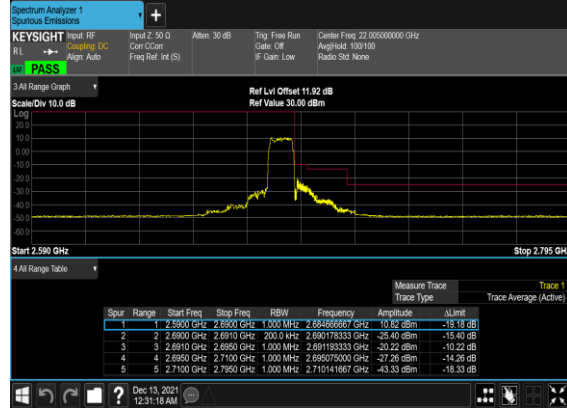
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



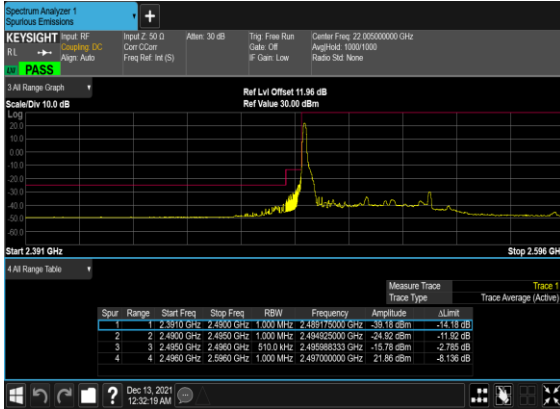
N41(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



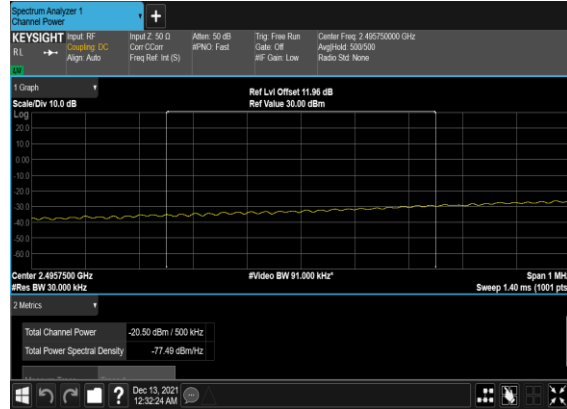
N41(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



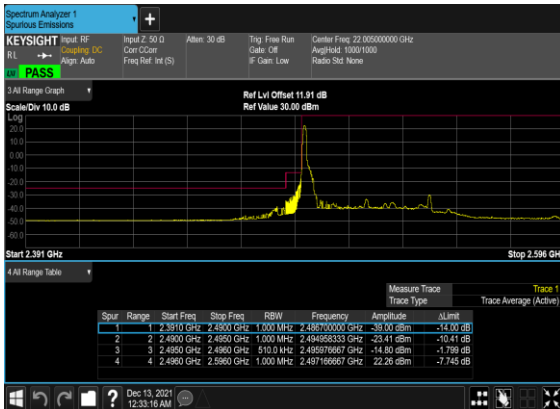
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



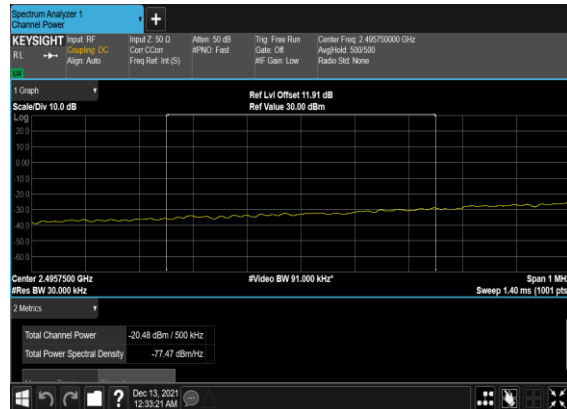
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



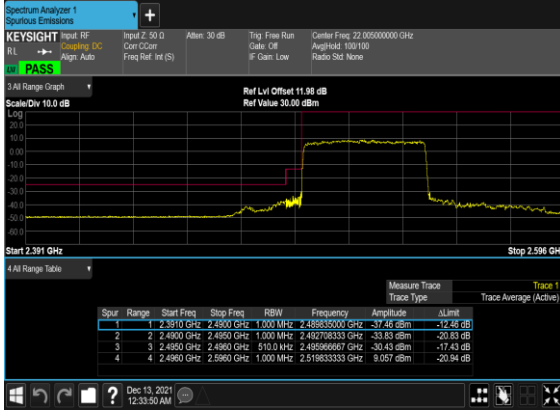
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



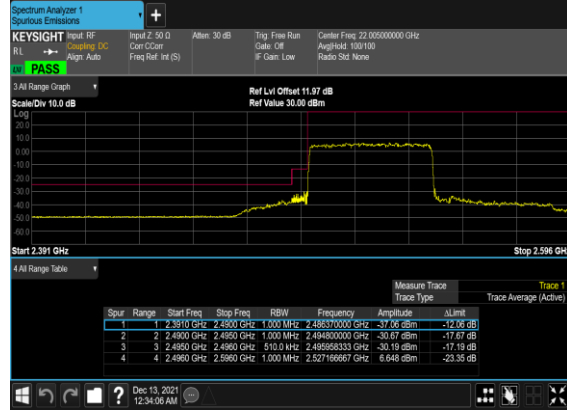
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



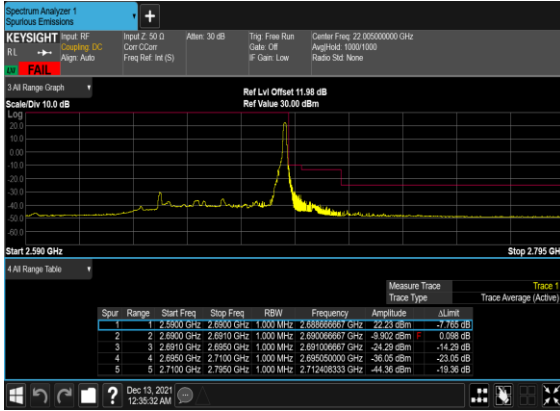
N41(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



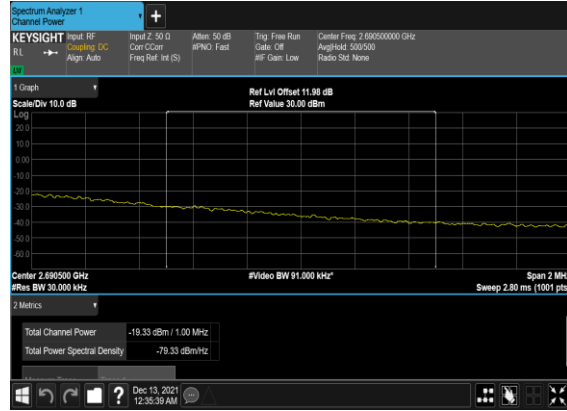
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OFDM_QPSK_Outer_Full_Low_CH



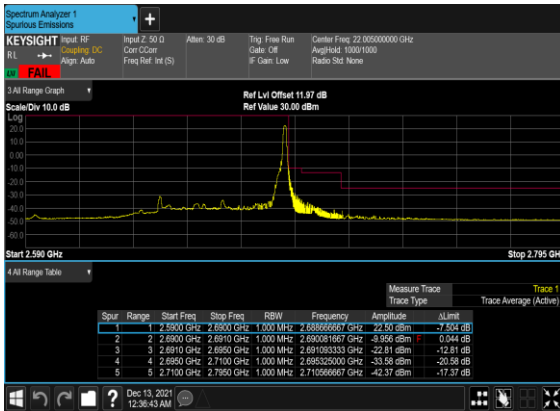
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



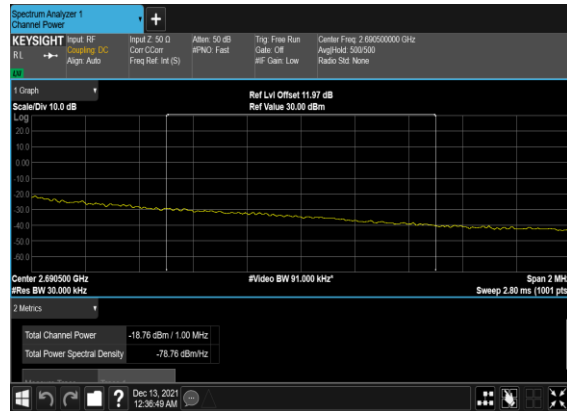
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PASS



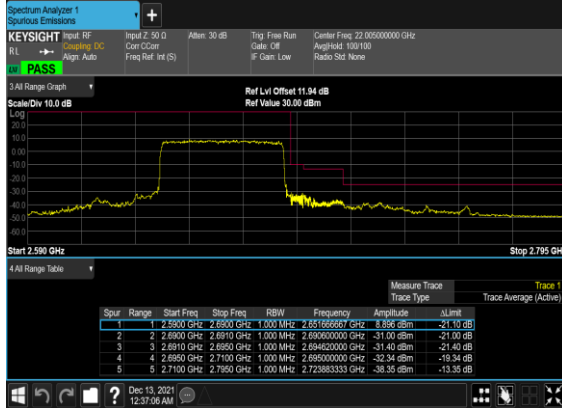
N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



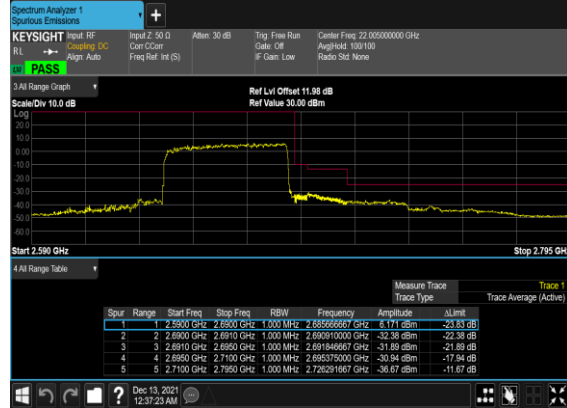
N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



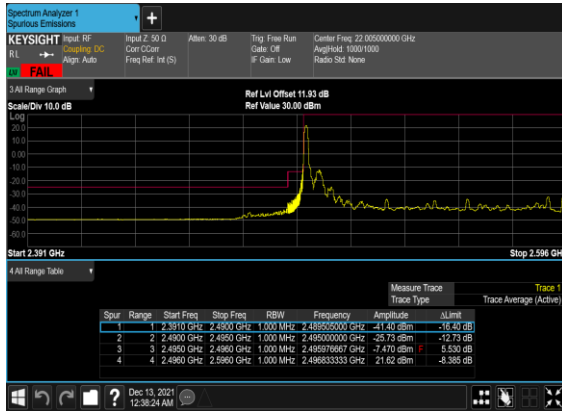
N41(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



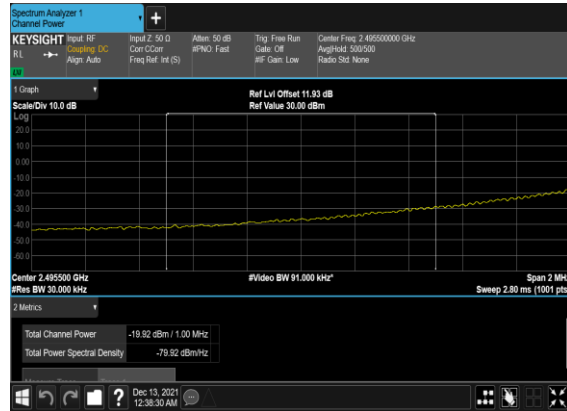
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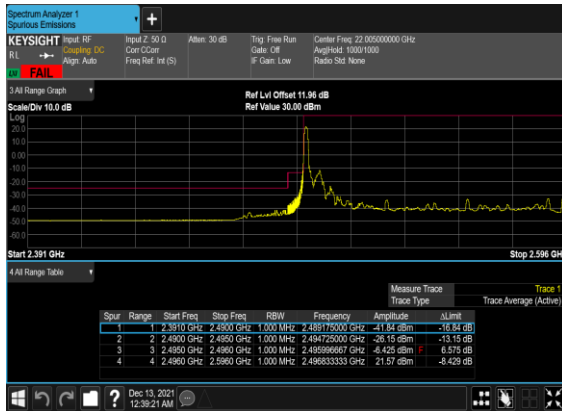
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



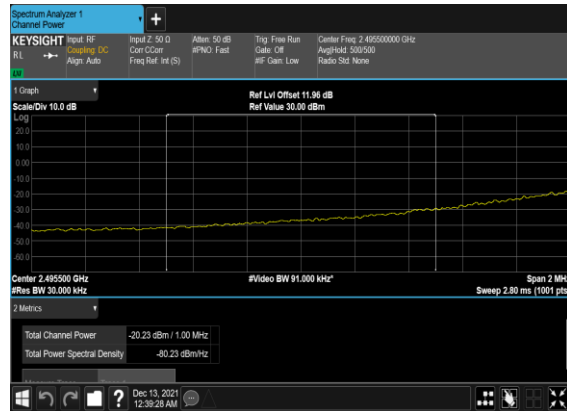
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



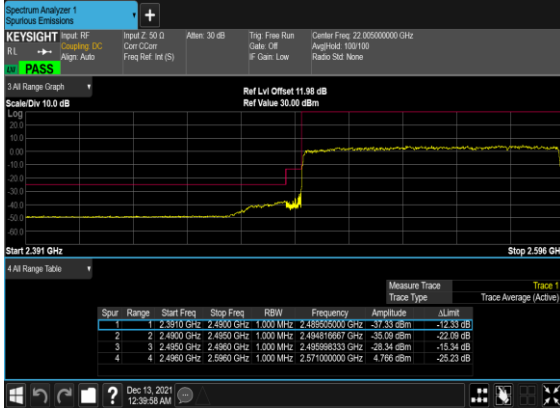
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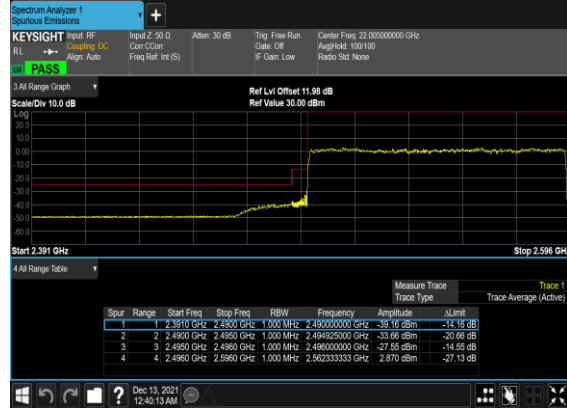
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



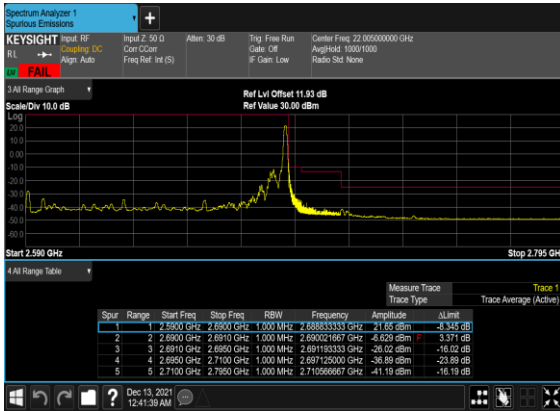
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OFDM_BPSK_Outer_Full_Low_CH



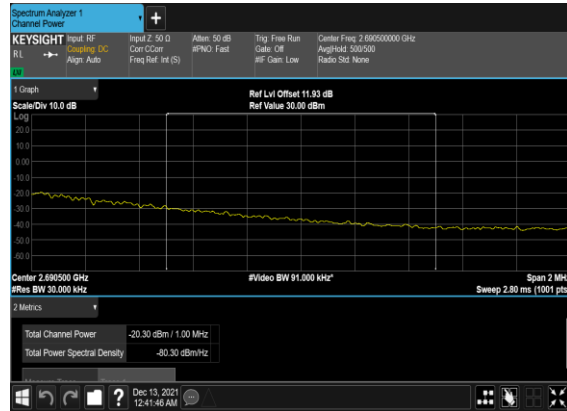
N41(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



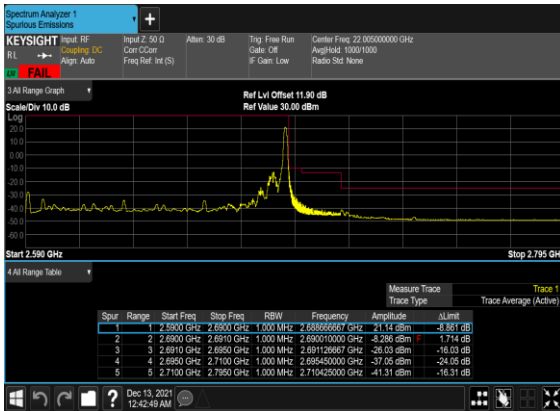
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



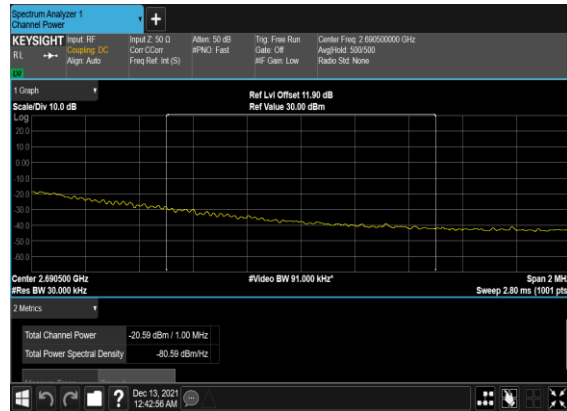
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PASS



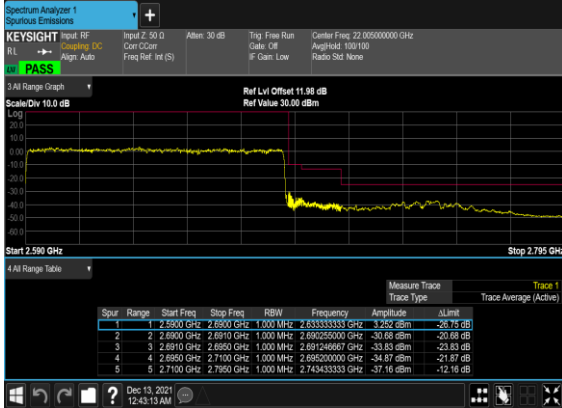
N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



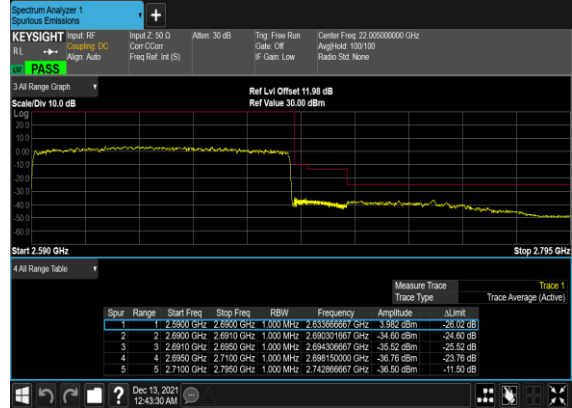
N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



N41(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Zhao hui Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

EN-DC_7A_n5A / LTE 20MHz + NR 20MHz / QPSK ANT41(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n5 Middle	1654.5	-65.57	-13	-52.57	-77.13	-68.82	4.00	9.40	H
	2481.75	-60.15	-13	-47.15	-78.79	-63.72	4.88	10.60	H
	3309	-58.66	-13	-45.66	-79.54	-63.59	5.52	12.60	H
	1654.5	-65.28	-13	-52.28	-77.48	-68.53	4.00	9.40	V
	2481.75	-59.88	-13	-46.88	-78.84	-63.45	4.88	10.60	V
	3309	-58.11	-13	-45.11	-79.69	-63.04	5.52	12.60	V
LTE Band7 Middle	5052.18	-57.97	-25	-32.97	-81.07	-63.53	7.14	12.70	H
	7578.27	-55.33	-25	-30.33	-81.41	-58.63	8.30	11.60	H
	10104.36	-52.38	-25	-27.38	-82.58	-53.90	10.48	12.00	H
	5052.18	-56.72	-25	-31.72	-81.15	-62.28	7.14	12.70	V
	7578.27	-55.36	-25	-30.36	-81.44	-58.66	8.30	11.60	V
	10104.36	-51.73	-25	-26.73	-82.91	-53.25	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

SA n7 / NR 20MHz / QPSK / ANT11(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n7 Middle	5051.50	-57.90	-25	-32.90	-81.00	-63.46	7.14	12.70	H
	7577.25	-54.77	-25	-29.77	-80.85	-58.07	8.30	11.60	H
	10103.00	-52.76	-25	-27.76	-82.93	-54.28	10.48	12.00	H
	5051.50	-56.63	-25	-31.63	-81.06	-62.19	7.14	12.70	V
	7577.25	-55.20	-25	-30.20	-81.28	-58.50	8.30	11.60	V
	10103.00	-51.61	-25	-26.61	-82.71	-53.13	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

SA n41 / NR 100MHz / QPSK / ANT11(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n41 Middle	5089.00	-57.78	-25	-32.78	-81.23	-63.34	7.14	12.70	H
	7633.50	-55.37	-25	-30.37	-81.29	-58.67	8.30	11.60	H
	10178.00	-52.15	-25	-27.15	-82.47	-53.67	10.48	12.00	H
	5089.00	-56.66	-25	-31.66	-81.09	-62.22	7.14	12.70	V
	7633.50	-54.56	-25	-29.56	-81.16	-57.86	8.30	11.60	V
	10178.00	-50.93	-25	-25.93	-82.47	-52.45	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.