



N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



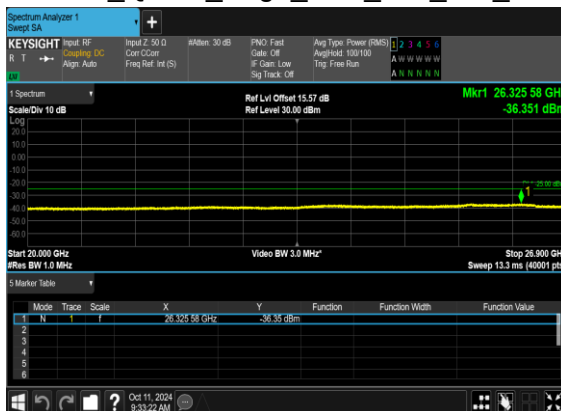
N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

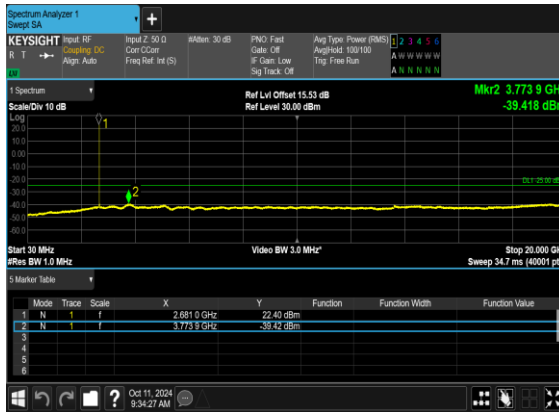


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OFDM_QPSK_Edge_1RB_Left_Mid_CH

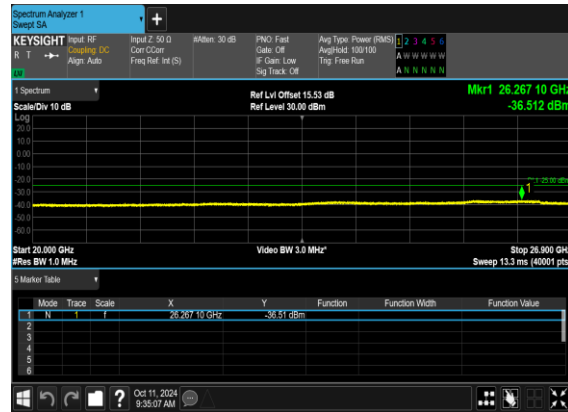




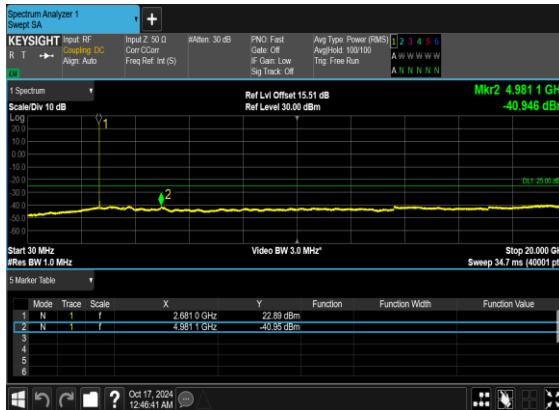
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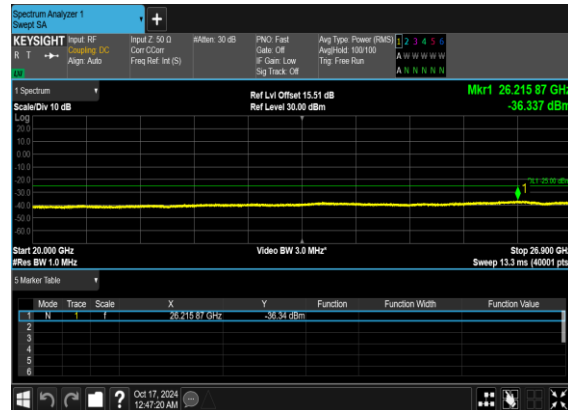
N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

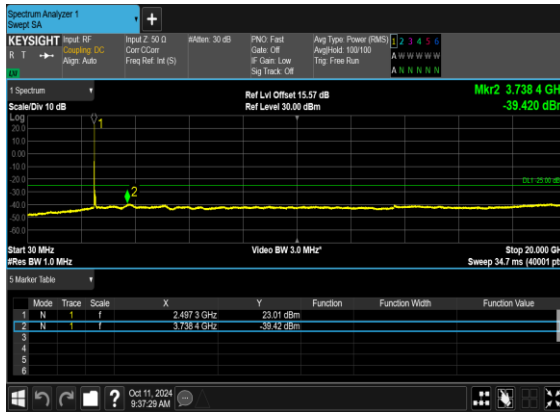


N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

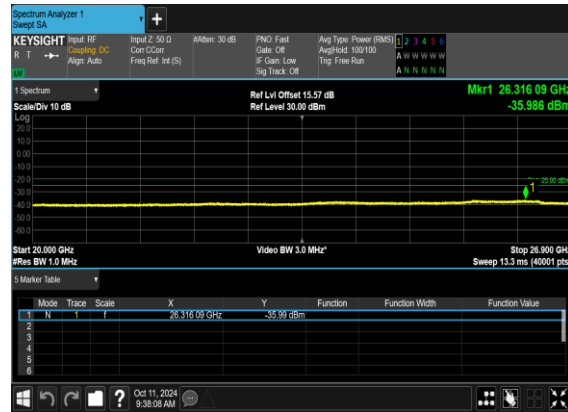




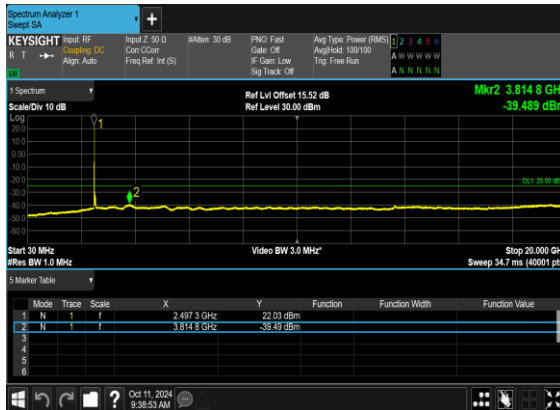
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



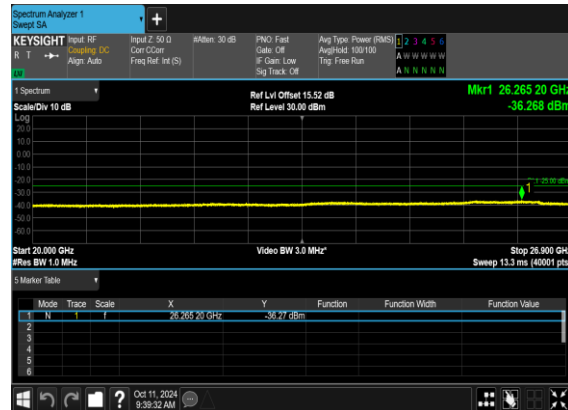
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N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH





N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



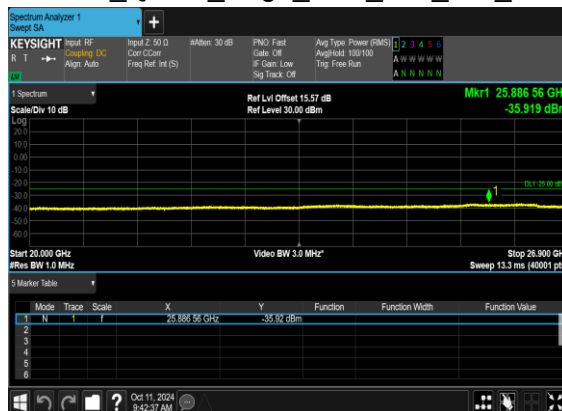
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N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH





N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



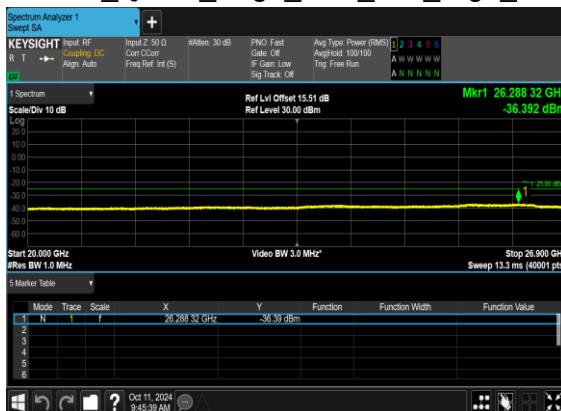
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OFDM_BPSK_Edge_1RB_Left_High_CH



N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

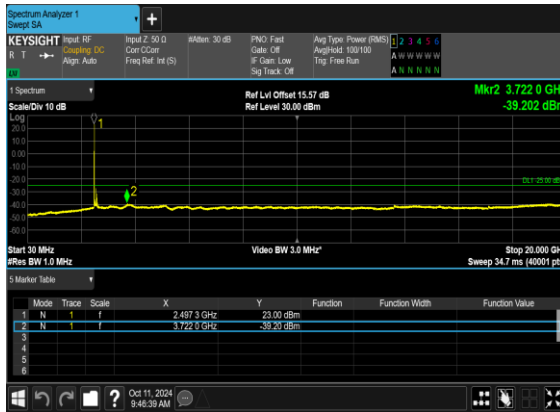


N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

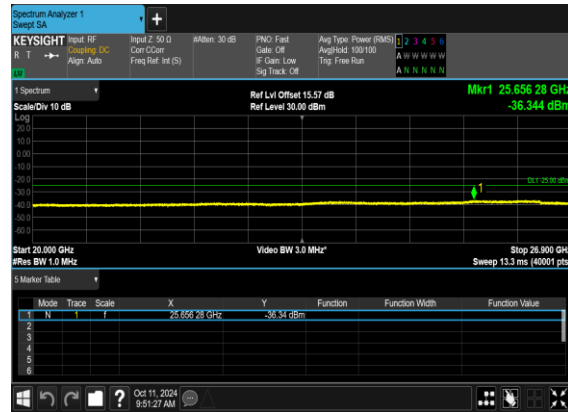




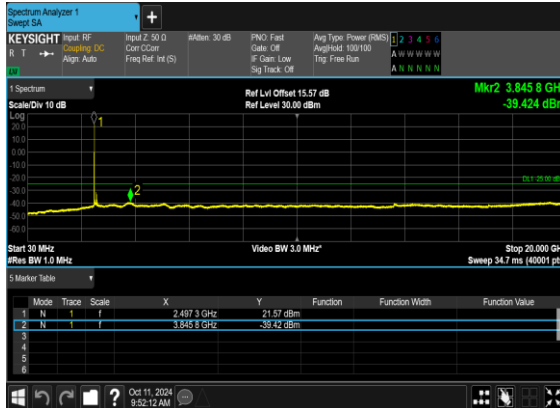
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



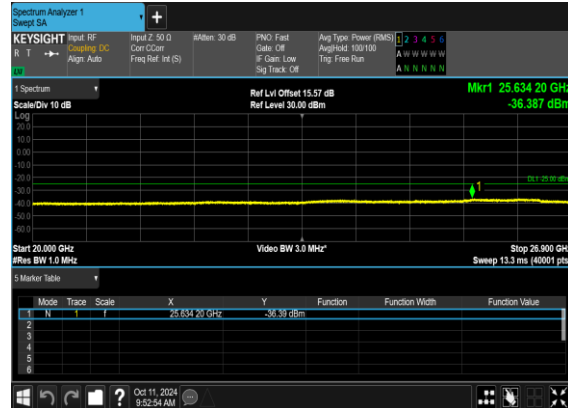
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

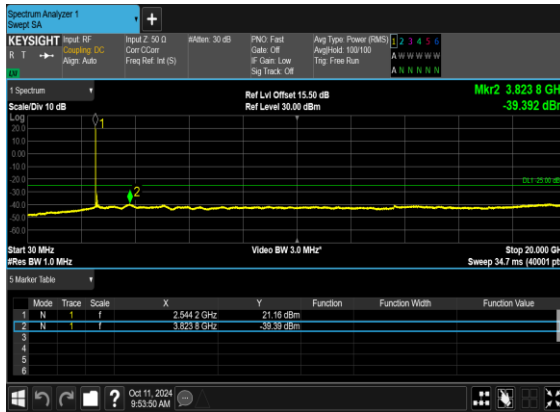


N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

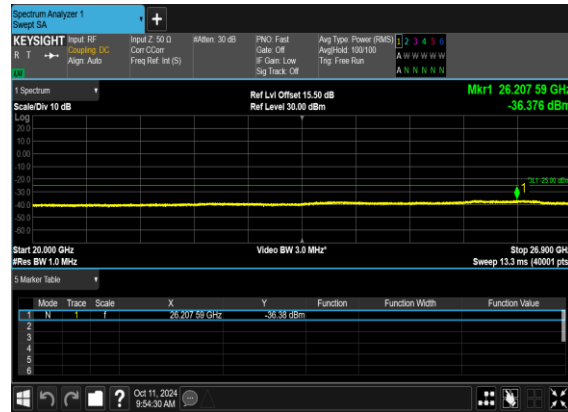




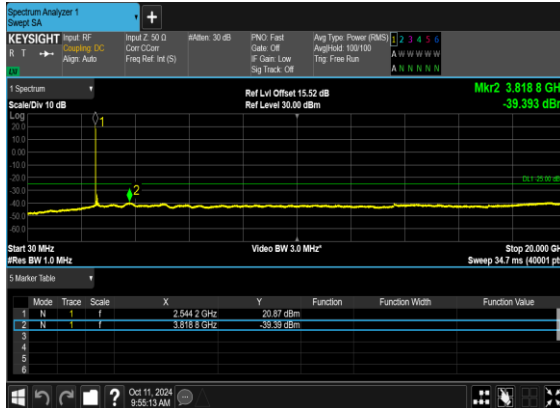
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



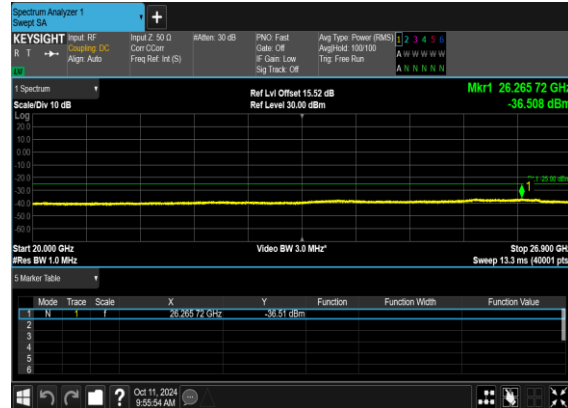
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CHN41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

**Conducted Band Edge**

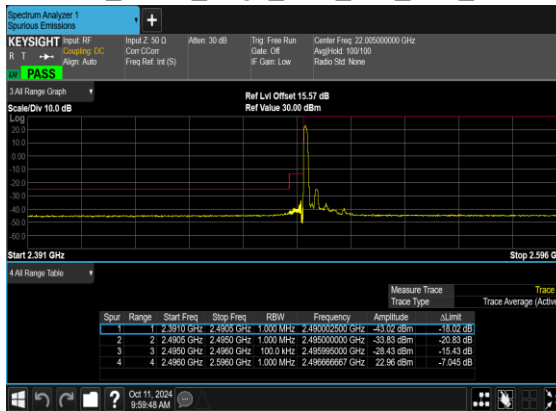
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	24@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	24@0	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



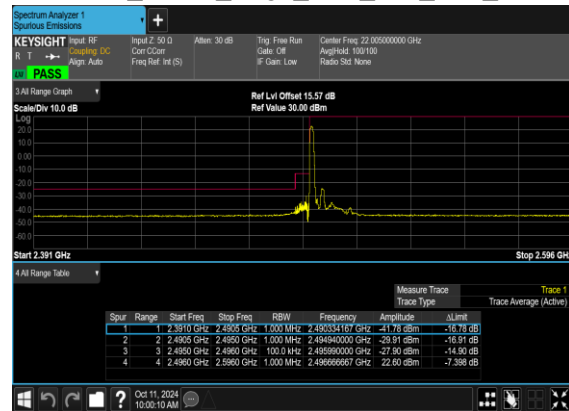
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@272	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	270@0	see graph	PASS



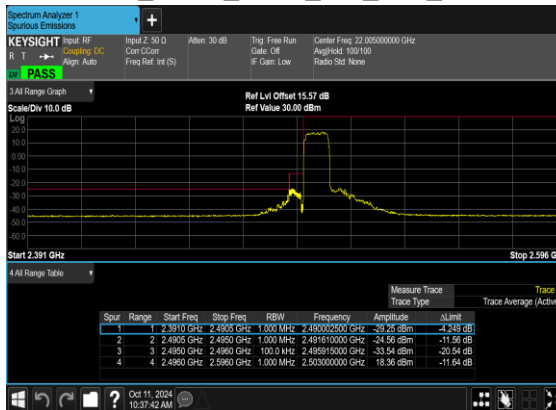
N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



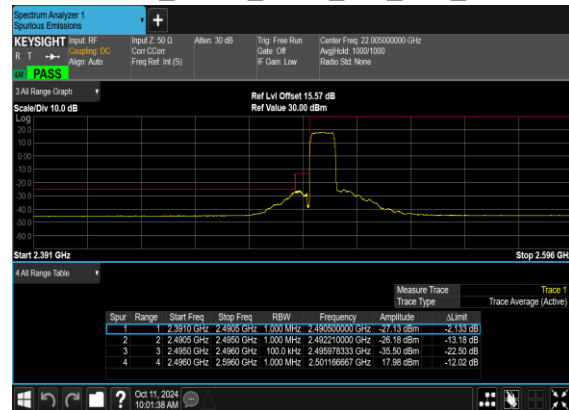
N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

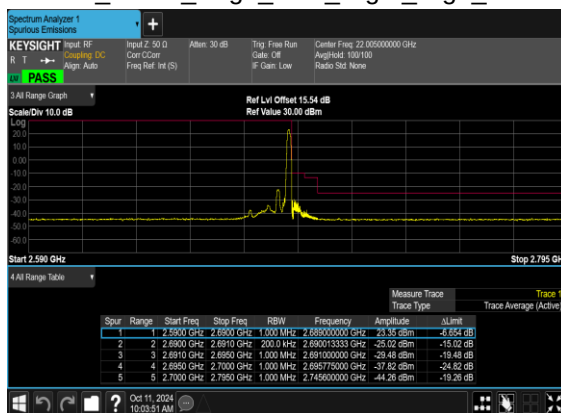
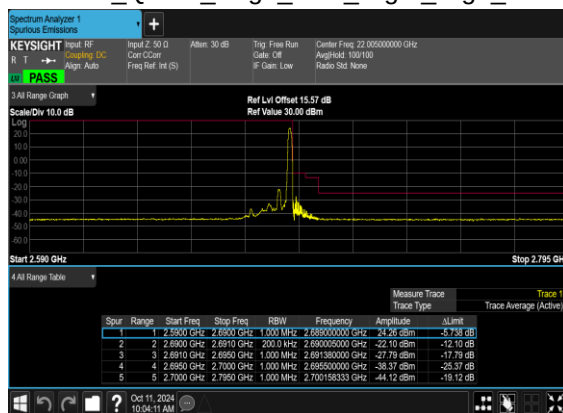
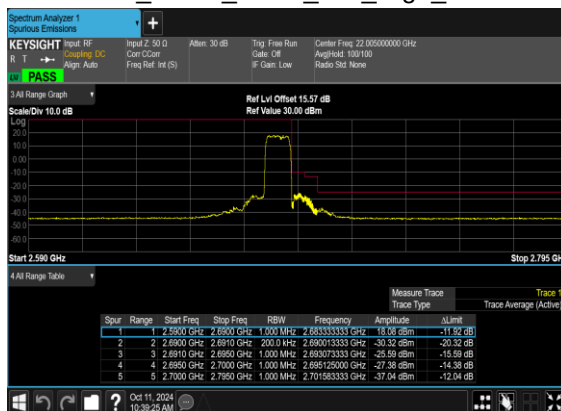
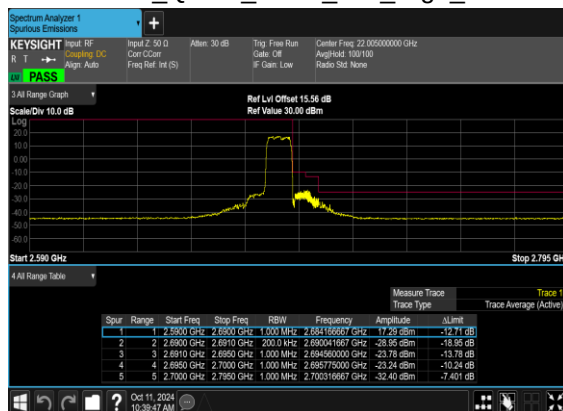


N41(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



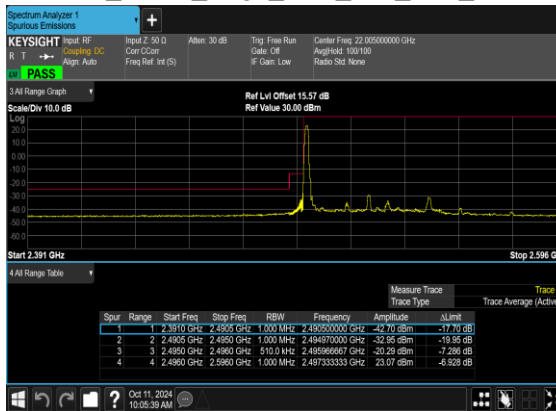
N41(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



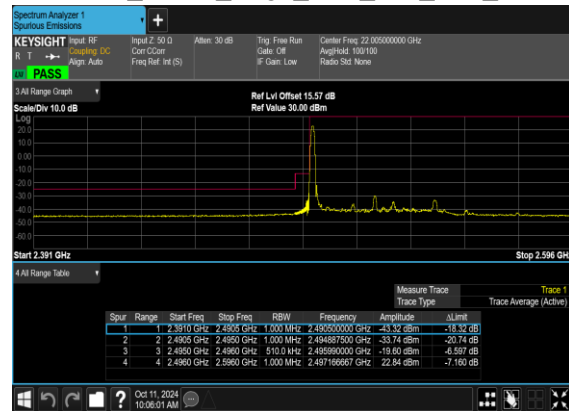
N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN41(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN41(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



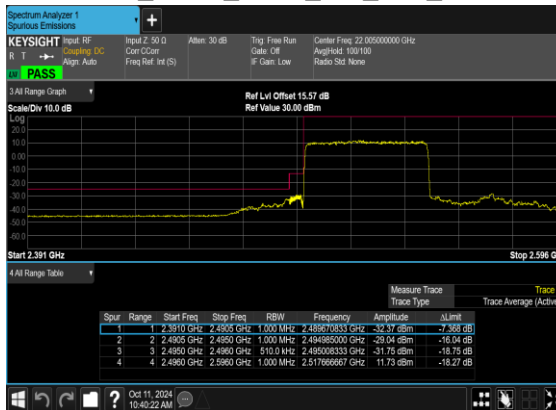
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



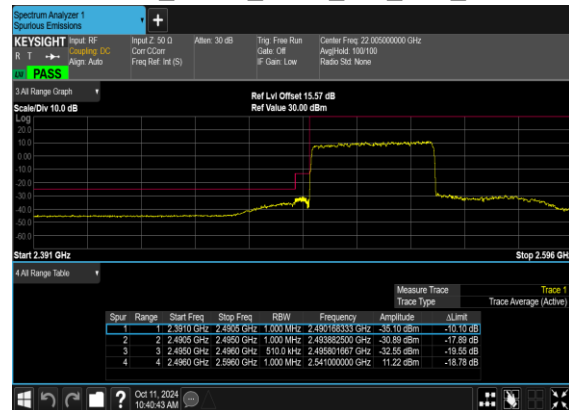
N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

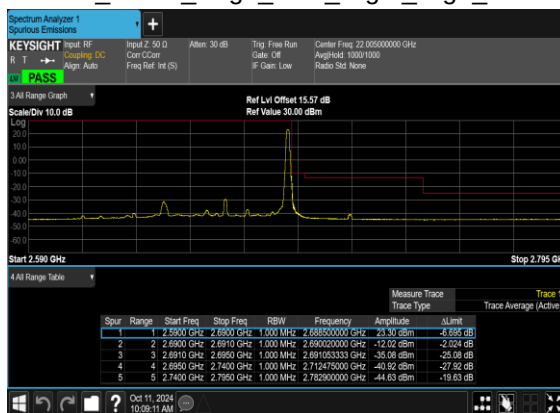
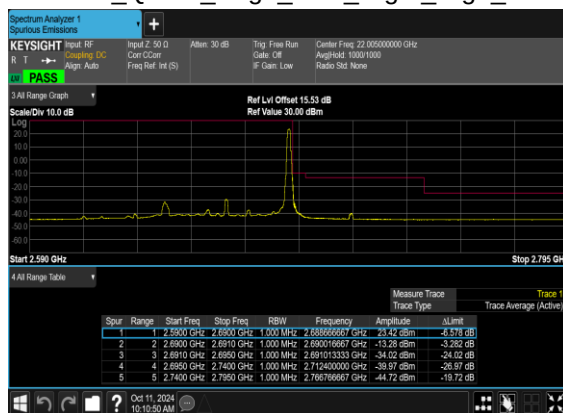
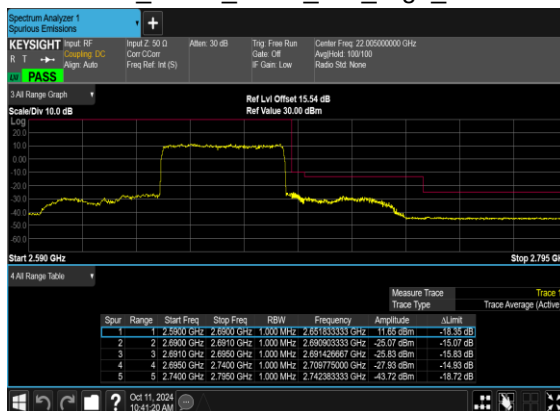
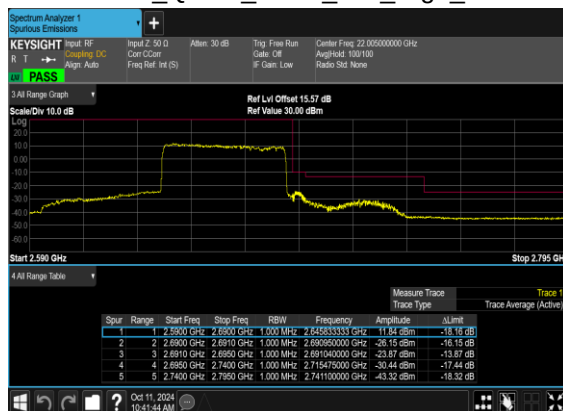


N41(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



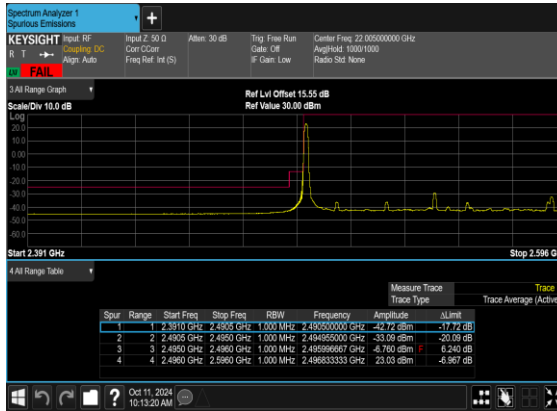
N41(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



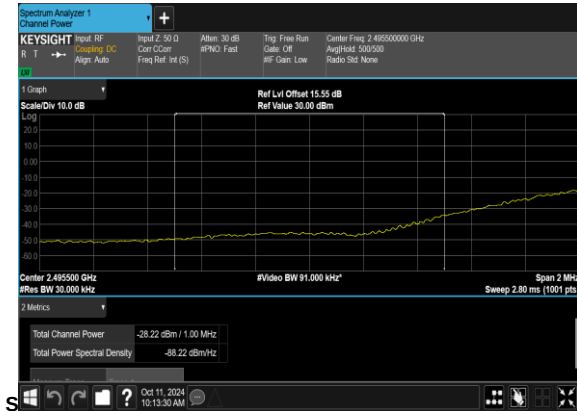
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN41(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN41(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



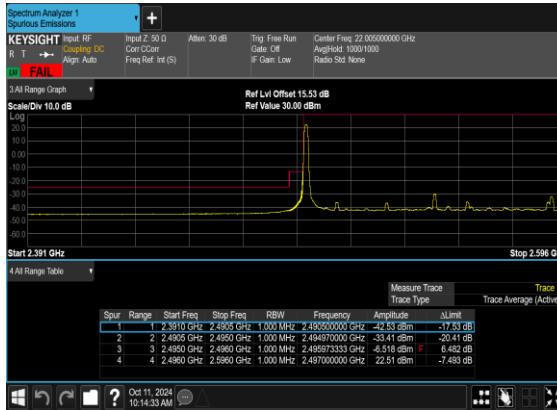
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



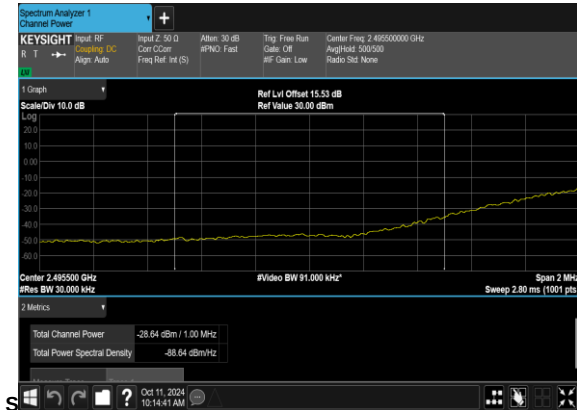
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PAS



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

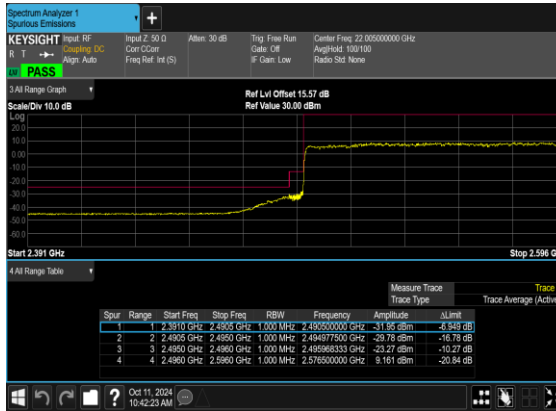


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OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PAS

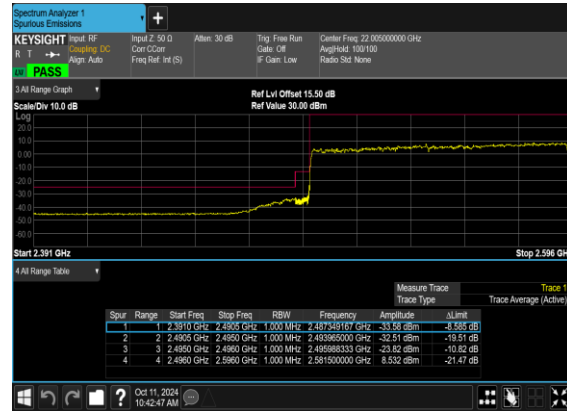




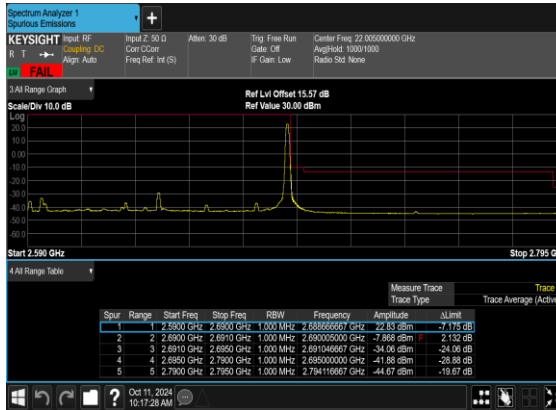
N41(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



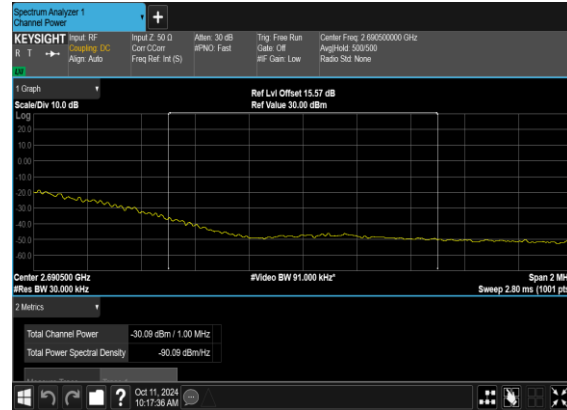
N41(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH

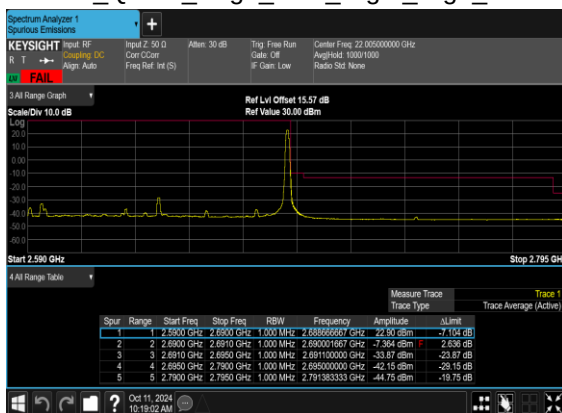


N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_P
ASS

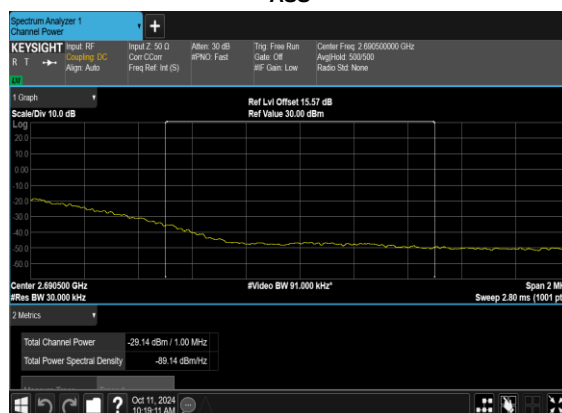




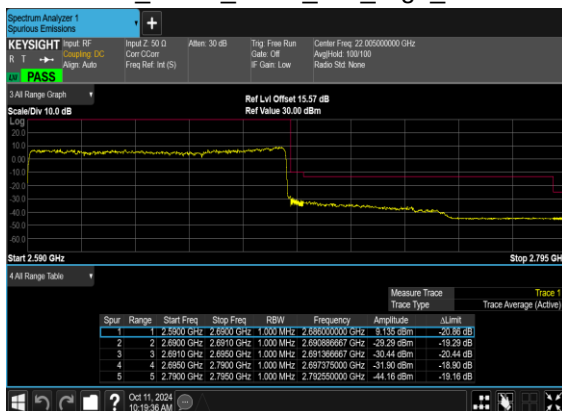
N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



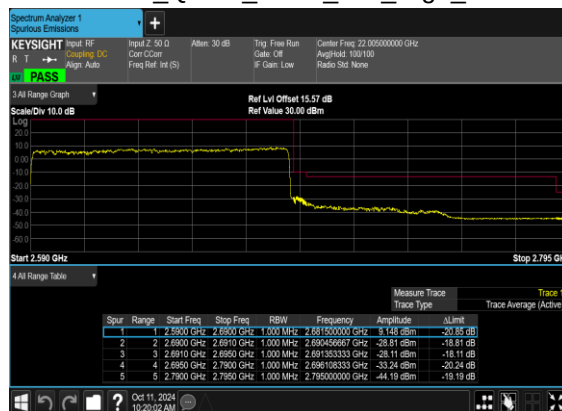
N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_P
ASS



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 :	Shiwei Wen	Temperature :	22~25°C
		Relative Humidity :	48~52%

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

n7 SA / NR 50MHz / QPSK(ANT4)									
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)
Middle	5021.69	-59.91	-25	-34.91	-81.94	-65.47	7.14	12.70	H
	7532.54	-54.46	-25	-29.46	-81.26	-57.76	8.30	11.60	H
	10043.38	-48.37	-25	-23.37	-79.85	-49.89	10.48	12.00	H
	5021.69	-60.10	-25	-35.10	-82.22	-65.66	7.14	12.70	V
	7532.54	-54.46	-25	-29.46	-81.24	-57.76	8.30	11.60	V
	10043.38	-48.93	-25	-23.93	-78.85	-50.45	10.48	12.00	V

EN-DC 7A_n7A / LTE 10MHz + NR 50MHz / QPSK (ANT2+4)									
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	5061.00	-60.10	-25	-35.10	-82.08	-65.66	7.14	12.70	H
	7591.50	-54.34	-25	-29.34	-80.95	-57.64	8.30	11.60	H
	10122.00	-50.26	-25	-25.26	-81.64	-51.78	10.48	12.00	H
	5061.00	-59.25	-25	-34.25	-81.37	-64.81	7.14	12.70	V
	7591.50	-53.57	-25	-28.57	-80.13	-56.87	8.30	11.60	V
	10122.00	-51.21	-25	-26.21	-81.22	-52.73	10.48	12.00	V
LTE Band7 Middle	5021.69	-59.89	-25	-34.89	-81.92	-65.45	7.14	12.70	H
	7532.54	-54.39	-25	-29.39	-81.19	-57.69	8.30	11.60	H
	10043.38	-50.53	-25	-25.53	-82.01	-52.05	10.48	12.00	H
	5021.69	-59.85	-25	-34.85	-81.97	-65.41	7.14	12.70	V
	7532.54	-54.60	-25	-29.60	-81.38	-57.90	8.30	11.60	V
	10043.38	-52.11	-25	-27.11	-82.03	-53.63	10.48	12.00	V

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



n41 SA / NR 100MHz / QPSK(ANT4)									
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)
Middle	5088.34	-60.32	-25	-35.32	-82.28	-65.88	7.14	12.70	H
	7632.51	-54.55	-25	-29.55	-81.20	-57.85	8.30	11.60	H
	10176.68	-48.53	-25	-23.53	-79.85	-50.05	10.48	12.00	H
	5088.34	-60.09	-25	-35.09	-82.21	-65.65	7.14	12.70	V
	7632.51	-54.40	-25	-29.40	-80.97	-57.70	8.30	11.60	V
	10176.68	-51.23	-25	-26.23	-81.3	-52.75	10.48	12.00	V

EN-DC_41A_n41A / LTE 10MHz + NR 100MHz / QPSK (ANT4+2)									
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	5177.00	-62.39	-25	-37.39	-79.93	-67.95	7.14	12.70	H
	7765.50	-55.62	-25	-30.62	-78.32	-58.92	8.30	11.60	H
	10354.00	-59.02	-25	-34.02	-54.58	-60.54	10.48	12.00	H
	5177.00	-62.48	-25	-37.48	-79.96	-68.04	7.14	12.70	V
	7765.50	-55.64	-25	-30.64	-78.32	-58.94	8.30	11.60	V
	10354.00	-59.00	-25	-34.00	-54.36	-60.52	10.48	12.00	V
LTE Band41 Middle	5089	-61.99	-25	-31.55	-79.44	-62.11	7.14	12.70	H
	7633.5	-56.20	-25	-29.90	-78.46	-58.20	8.30	11.60	H
	10178	-57.23	-25	-26.93	-53.26	-53.45	10.48	12.00	H
	5089	-61.87	-25	-31.59	-79.25	-62.15	7.14	12.70	V
	7633.5	-56.27	-25	-26.53	-78.34	-54.83	8.30	11.60	V
	10178	-57.69	-25	-25.06	-53.31	-51.58	10.48	12.00	V

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