



Appendix B

E-UTRA Band 26 (814-824)



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1 Transmitter Conducted Power Output

1.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Limit (dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	23.37	50.00	PASS
Band26	1.4MHz	QPSK	26697	1RB#2	23.45	50.00	PASS
Band26	1.4MHz	QPSK	26697	1RB#5	23.48	50.00	PASS
Band26	1.4MHz	QPSK	26697	3RB#0	23.49	50.00	PASS
Band26	1.4MHz	QPSK	26697	3RB#1	23.50	50.00	PASS
Band26	1.4MHz	QPSK	26697	3RB#3	23.44	50.00	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	22.40	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	23.40	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#2	23.46	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#5	23.48	50.00	PASS
Band26	1.4MHz	QPSK	26740	3RB#0	23.42	50.00	PASS
Band26	1.4MHz	QPSK	26740	3RB#1	23.47	50.00	PASS
Band26	1.4MHz	QPSK	26740	3RB#3	23.54	50.00	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	22.45	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	23.49	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#2	23.51	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	23.52	50.00	PASS
Band26	1.4MHz	QPSK	26783	3RB#0	23.53	50.00	PASS
Band26	1.4MHz	QPSK	26783	3RB#1	23.58	50.00	PASS
Band26	1.4MHz	QPSK	26783	3RB#3	23.58	50.00	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	22.49	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	22.65	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#2	22.60	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#5	22.64	50.00	PASS
Band26	1.4MHz	16QAM	26697	3RB#0	22.55	50.00	PASS
Band26	1.4MHz	16QAM	26697	3RB#1	22.62	50.00	PASS
Band26	1.4MHz	16QAM	26697	3RB#3	22.55	50.00	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	21.50	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	22.62	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#2	22.78	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#5	22.72	50.00	PASS
Band26	1.4MHz	16QAM	26740	3RB#0	22.59	50.00	PASS



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Band26	1.4MHz	16QAM	26740	3RB#1	22.63	50.00	PASS
Band26	1.4MHz	16QAM	26740	3RB#3	22.54	50.00	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	21.46	50.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	22.68	50.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#2	22.80	50.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	22.86	50.00	PASS
Band26	1.4MHz	16QAM	26783	3RB#0	22.57	50.00	PASS
Band26	1.4MHz	16QAM	26783	3RB#1	22.67	50.00	PASS
Band26	1.4MHz	16QAM	26783	3RB#3	22.65	50.00	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	21.57	50.00	PASS
Band26	1.4MHz	64QAM	26697	1RB#0	22.26	50.00	PASS
Band26	1.4MHz	64QAM	26697	1RB#2	22.31	50.00	PASS
Band26	1.4MHz	64QAM	26697	1RB#5	22.31	50.00	PASS
Band26	1.4MHz	64QAM	26697	3RB#0	22.23	50.00	PASS
Band26	1.4MHz	64QAM	26697	3RB#1	22.27	50.00	PASS
Band26	1.4MHz	64QAM	26697	3RB#3	22.24	50.00	PASS
Band26	1.4MHz	64QAM	26697	6RB#0	21.17	50.00	PASS
Band26	1.4MHz	64QAM	26740	1RB#0	22.14	50.00	PASS
Band26	1.4MHz	64QAM	26740	1RB#2	22.23	50.00	PASS
Band26	1.4MHz	64QAM	26740	1RB#5	22.34	50.00	PASS
Band26	1.4MHz	64QAM	26740	3RB#0	22.24	50.00	PASS
Band26	1.4MHz	64QAM	26740	3RB#1	22.24	50.00	PASS
Band26	1.4MHz	64QAM	26740	3RB#3	22.30	50.00	PASS
Band26	1.4MHz	64QAM	26740	6RB#0	21.16	50.00	PASS
Band26	1.4MHz	64QAM	26783	1RB#0	22.26	50.00	PASS
Band26	1.4MHz	64QAM	26783	1RB#2	22.42	50.00	PASS
Band26	1.4MHz	64QAM	26783	1RB#5	22.42	50.00	PASS
Band26	1.4MHz	64QAM	26783	3RB#0	22.27	50.00	PASS
Band26	1.4MHz	64QAM	26783	3RB#1	22.32	50.00	PASS
Band26	1.4MHz	64QAM	26783	3RB#3	22.35	50.00	PASS
Band26	1.4MHz	64QAM	26783	6RB#0	21.17	50.00	PASS
Band26	3MHz	QPSK	26705	1RB#0	23.49	50.00	PASS
Band26	3MHz	QPSK	26705	1RB#8	23.58	50.00	PASS
Band26	3MHz	QPSK	26705	1RB#14	23.51	50.00	PASS
Band26	3MHz	QPSK	26705	8RB#0	22.52	50.00	PASS
Band26	3MHz	QPSK	26705	8RB#4	22.67	50.00	PASS
Band26	3MHz	QPSK	26705	8RB#7	22.63	50.00	PASS
Band26	3MHz	QPSK	26705	15RB#0	22.59	50.00	PASS



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Band26	3MHz	QPSK	26740	1RB#0	23.47	50.00	PASS
Band26	3MHz	QPSK	26740	1RB#8	23.40	50.00	PASS
Band26	3MHz	QPSK	26740	1RB#14	23.53	50.00	PASS
Band26	3MHz	QPSK	26740	8RB#0	22.50	50.00	PASS
Band26	3MHz	QPSK	26740	8RB#4	22.50	50.00	PASS
Band26	3MHz	QPSK	26740	8RB#7	22.61	50.00	PASS
Band26	3MHz	QPSK	26740	15RB#0	22.48	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#0	23.58	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#8	23.50	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#14	23.58	50.00	PASS
Band26	3MHz	QPSK	26775	8RB#0	22.56	50.00	PASS
Band26	3MHz	QPSK	26775	8RB#4	22.61	50.00	PASS
Band26	3MHz	QPSK	26775	8RB#7	22.54	50.00	PASS
Band26	3MHz	QPSK	26775	15RB#0	22.56	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#0	22.73	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#8	22.82	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#14	22.83	50.00	PASS
Band26	3MHz	16QAM	26705	8RB#0	21.58	50.00	PASS
Band26	3MHz	16QAM	26705	8RB#4	21.65	50.00	PASS
Band26	3MHz	16QAM	26705	8RB#7	21.65	50.00	PASS
Band26	3MHz	16QAM	26705	15RB#0	21.59	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#0	22.70	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#8	22.61	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#14	22.78	50.00	PASS
Band26	3MHz	16QAM	26740	8RB#0	21.58	50.00	PASS
Band26	3MHz	16QAM	26740	8RB#4	21.59	50.00	PASS
Band26	3MHz	16QAM	26740	8RB#7	21.63	50.00	PASS
Band26	3MHz	16QAM	26740	15RB#0	21.50	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#0	22.81	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#8	22.75	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#14	22.89	50.00	PASS
Band26	3MHz	16QAM	26775	8RB#0	21.61	50.00	PASS
Band26	3MHz	16QAM	26775	8RB#4	21.64	50.00	PASS
Band26	3MHz	16QAM	26775	8RB#7	21.62	50.00	PASS
Band26	3MHz	16QAM	26775	15RB#0	21.55	50.00	PASS
Band26	3MHz	64QAM	26705	1RB#0	22.32	50.00	PASS
Band26	3MHz	64QAM	26705	1RB#8	22.38	50.00	PASS
Band26	3MHz	64QAM	26705	1RB#14	22.44	50.00	PASS



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Band26	3MHz	64QAM	26705	8RB#0	21.22	50.00	PASS
Band26	3MHz	64QAM	26705	8RB#4	21.30	50.00	PASS
Band26	3MHz	64QAM	26705	8RB#7	21.34	50.00	PASS
Band26	3MHz	64QAM	26705	15RB#0	21.33	50.00	PASS
Band26	3MHz	64QAM	26740	1RB#0	22.33	50.00	PASS
Band26	3MHz	64QAM	26740	1RB#8	22.25	50.00	PASS
Band26	3MHz	64QAM	26740	1RB#14	22.32	50.00	PASS
Band26	3MHz	64QAM	26740	8RB#0	21.20	50.00	PASS
Band26	3MHz	64QAM	26740	8RB#4	21.21	50.00	PASS
Band26	3MHz	64QAM	26740	8RB#7	21.30	50.00	PASS
Band26	3MHz	64QAM	26740	15RB#0	21.20	50.00	PASS
Band26	3MHz	64QAM	26775	1RB#0	22.36	50.00	PASS
Band26	3MHz	64QAM	26775	1RB#8	22.33	50.00	PASS
Band26	3MHz	64QAM	26775	1RB#14	22.38	50.00	PASS
Band26	3MHz	64QAM	26775	8RB#0	21.26	50.00	PASS
Band26	3MHz	64QAM	26775	8RB#4	21.33	50.00	PASS
Band26	3MHz	64QAM	26775	8RB#7	21.23	50.00	PASS
Band26	3MHz	64QAM	26775	15RB#0	21.28	50.00	PASS
Band26	5MHz	QPSK	26715	1RB#0	23.51	50.00	PASS
Band26	5MHz	QPSK	26715	1RB#12	23.55	50.00	PASS
Band26	5MHz	QPSK	26715	1RB#24	23.45	50.00	PASS
Band26	5MHz	QPSK	26715	12RB#0	22.66	50.00	PASS
Band26	5MHz	QPSK	26715	12RB#6	22.61	50.00	PASS
Band26	5MHz	QPSK	26715	12RB#13	22.48	50.00	PASS
Band26	5MHz	QPSK	26715	25RB#0	22.50	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#0	23.55	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#12	23.42	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#24	23.51	50.00	PASS
Band26	5MHz	QPSK	26740	12RB#0	22.55	50.00	PASS
Band26	5MHz	QPSK	26740	12RB#6	22.51	50.00	PASS
Band26	5MHz	QPSK	26740	12RB#13	22.57	50.00	PASS
Band26	5MHz	QPSK	26740	25RB#0	22.63	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#0	23.54	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#12	23.53	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#24	23.61	50.00	PASS
Band26	5MHz	QPSK	26765	12RB#0	22.62	50.00	PASS
Band26	5MHz	QPSK	26765	12RB#6	22.63	50.00	PASS
Band26	5MHz	QPSK	26765	12RB#13	22.55	50.00	PASS



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Band26	5MHz	QPSK	26765	25RB#0	22.61	50.00	PASS
Band26	5MHz	16QAM	26715	1RB#0	22.74	50.00	PASS
Band26	5MHz	16QAM	26715	1RB#12	22.89	50.00	PASS
Band26	5MHz	16QAM	26715	1RB#24	22.65	50.00	PASS
Band26	5MHz	16QAM	26715	12RB#0	21.67	50.00	PASS
Band26	5MHz	16QAM	26715	12RB#6	21.65	50.00	PASS
Band26	5MHz	16QAM	26715	12RB#13	21.53	50.00	PASS
Band26	5MHz	16QAM	26715	25RB#0	21.52	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#0	22.90	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#12	22.74	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#24	22.82	50.00	PASS
Band26	5MHz	16QAM	26740	12RB#0	21.57	50.00	PASS
Band26	5MHz	16QAM	26740	12RB#6	21.57	50.00	PASS
Band26	5MHz	16QAM	26740	12RB#13	21.62	50.00	PASS
Band26	5MHz	16QAM	26740	25RB#0	21.65	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#0	22.81	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#12	22.73	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#24	22.83	50.00	PASS
Band26	5MHz	16QAM	26765	12RB#0	21.61	50.00	PASS
Band26	5MHz	16QAM	26765	12RB#6	21.65	50.00	PASS
Band26	5MHz	16QAM	26765	12RB#13	21.63	50.00	PASS
Band26	5MHz	16QAM	26765	25RB#0	21.62	50.00	PASS
Band26	5MHz	64QAM	26715	1RB#0	22.40	50.00	PASS
Band26	5MHz	64QAM	26715	1RB#12	22.44	50.00	PASS
Band26	5MHz	64QAM	26715	1RB#24	22.27	50.00	PASS
Band26	5MHz	64QAM	26715	12RB#0	21.31	50.00	PASS
Band26	5MHz	64QAM	26715	12RB#6	21.31	50.00	PASS
Band26	5MHz	64QAM	26715	12RB#13	21.18	50.00	PASS
Band26	5MHz	64QAM	26715	25RB#0	21.25	50.00	PASS
Band26	5MHz	64QAM	26740	1RB#0	22.46	50.00	PASS
Band26	5MHz	64QAM	26740	1RB#12	22.27	50.00	PASS
Band26	5MHz	64QAM	26740	1RB#24	22.32	50.00	PASS
Band26	5MHz	64QAM	26740	12RB#0	21.23	50.00	PASS
Band26	5MHz	64QAM	26740	12RB#6	21.21	50.00	PASS
Band26	5MHz	64QAM	26740	12RB#13	21.30	50.00	PASS
Band26	5MHz	64QAM	26740	25RB#0	21.32	50.00	PASS
Band26	5MHz	64QAM	26765	1RB#0	22.37	50.00	PASS
Band26	5MHz	64QAM	26765	1RB#12	22.35	50.00	PASS



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Band26	5MHz	64QAM	26765	1RB#24	22.45	50.00	PASS
Band26	5MHz	64QAM	26765	12RB#0	21.32	50.00	PASS
Band26	5MHz	64QAM	26765	12RB#6	21.34	50.00	PASS
Band26	5MHz	64QAM	26765	12RB#13	21.31	50.00	PASS
Band26	5MHz	64QAM	26765	25RB#0	21.30	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#0	23.52	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#24	23.44	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#49	23.46	50.00	PASS
Band26	10MHz	QPSK	26740	25RB#0	22.51	50.00	PASS
Band26	10MHz	QPSK	26740	25RB#12	22.63	50.00	PASS
Band26	10MHz	QPSK	26740	25RB#25	22.57	50.00	PASS
Band26	10MHz	QPSK	26740	50RB#0	22.61	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#0	22.76	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#24	22.62	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#49	22.73	50.00	PASS
Band26	10MHz	16QAM	26740	25RB#0	21.52	50.00	PASS
Band26	10MHz	16QAM	26740	25RB#12	21.63	50.00	PASS
Band26	10MHz	16QAM	26740	25RB#25	21.61	50.00	PASS
Band26	10MHz	16QAM	26740	50RB#0	21.61	50.00	PASS
Band26	10MHz	64QAM	26740	1RB#0	22.34	50.00	PASS
Band26	10MHz	64QAM	26740	1RB#24	22.36	50.00	PASS
Band26	10MHz	64QAM	26740	1RB#49	22.35	50.00	PASS
Band26	10MHz	64QAM	26740	25RB#0	21.29	50.00	PASS
Band26	10MHz	64QAM	26740	25RB#12	21.35	50.00	PASS
Band26	10MHz	64QAM	26740	25RB#25	21.32	50.00	PASS
Band26	10MHz	64QAM	26740	50RB#0	21.30	50.00	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]



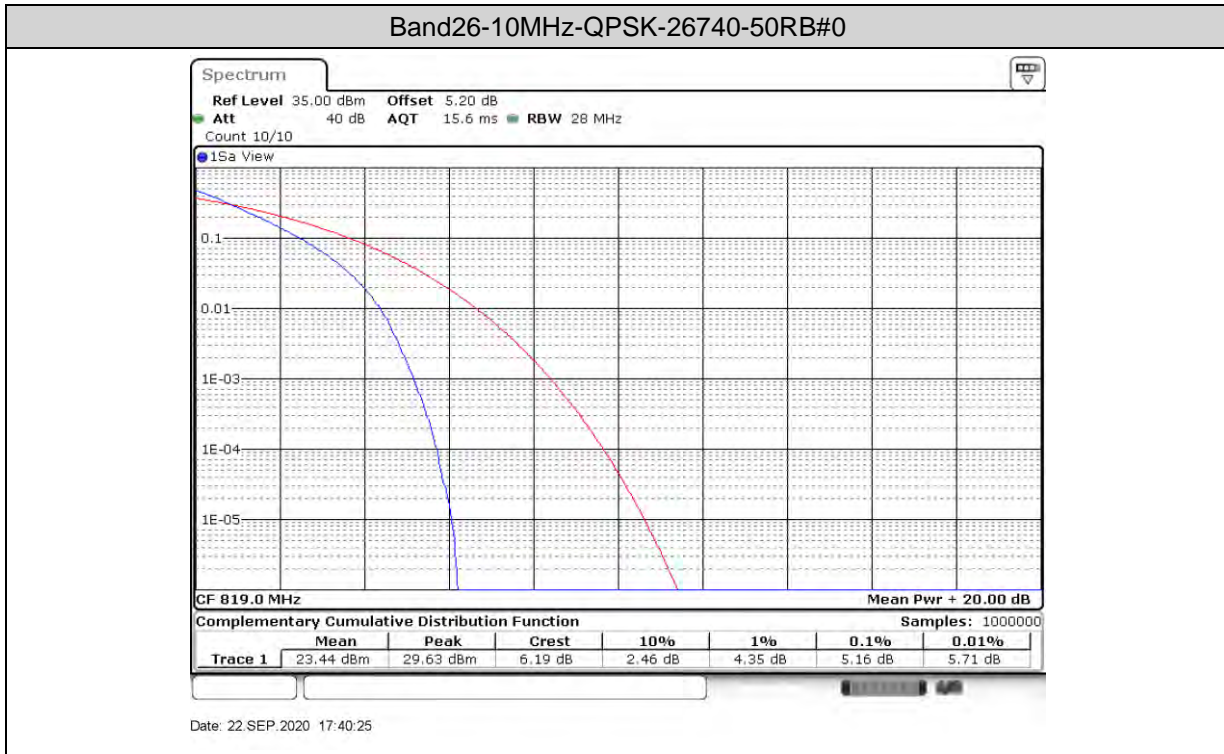
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2 Peak-to-Average Ratio (CCDF)

2.1 Test Result

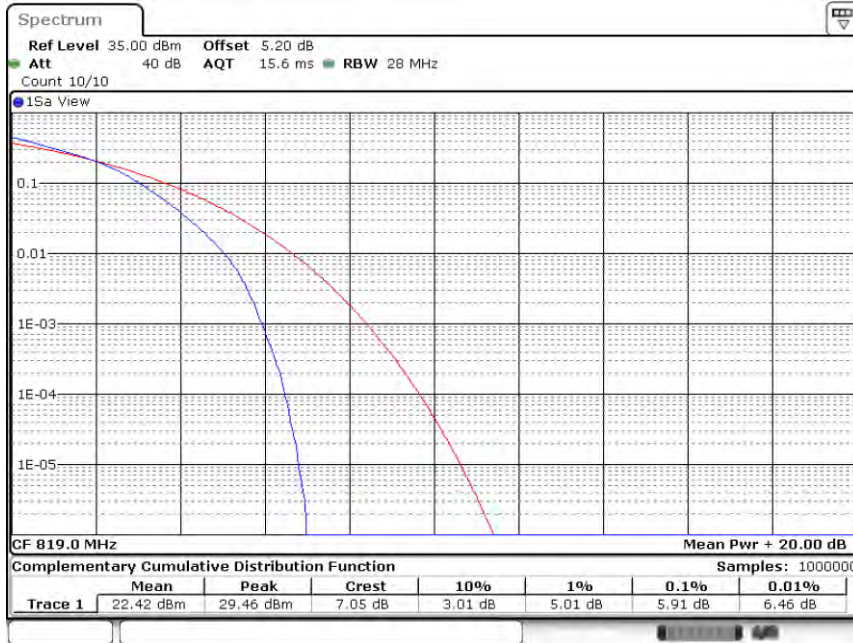
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	5.16	13	PASS
Band26	10MHz	16QAM	26740	50RB#0	5.91	13	PASS
Band26	10MHz	64QAM	26740	50RB#0	6.43	13	PASS

2.2 Test Plots



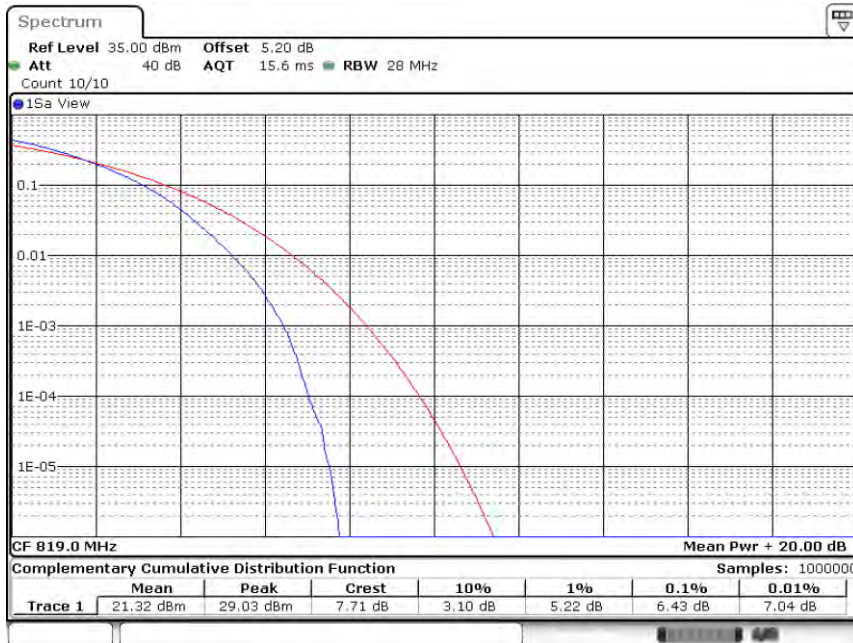
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Band26-10MHz-16QAM-26740-50RB#0



Date: 22-SEP-2020 17:40:39

Band26-10MHz-64QAM-26740-50RB#0



Date: 22-SEP-2020 19:41:51

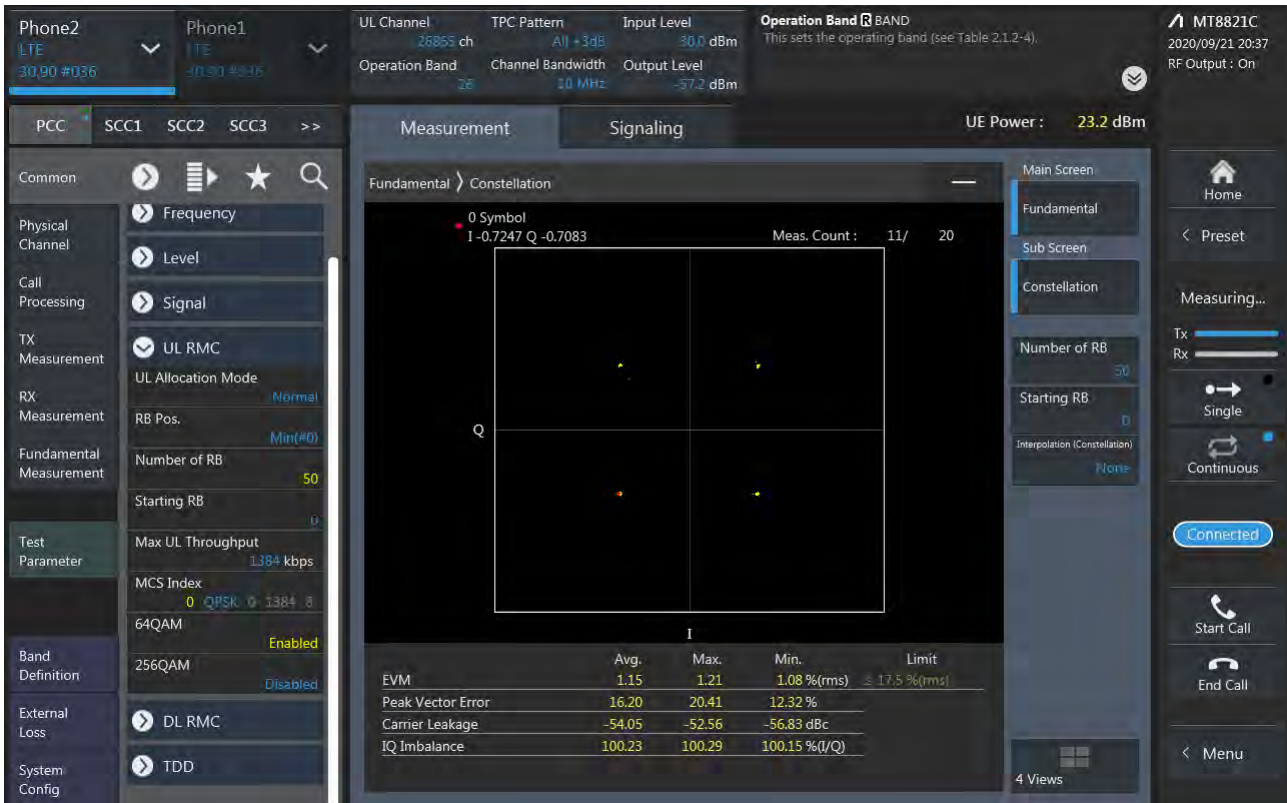


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3 Modulation Characteristics

3.1 Test Mode = LTE /TM1 10MHz

3.1.1 Test Channel = MCH



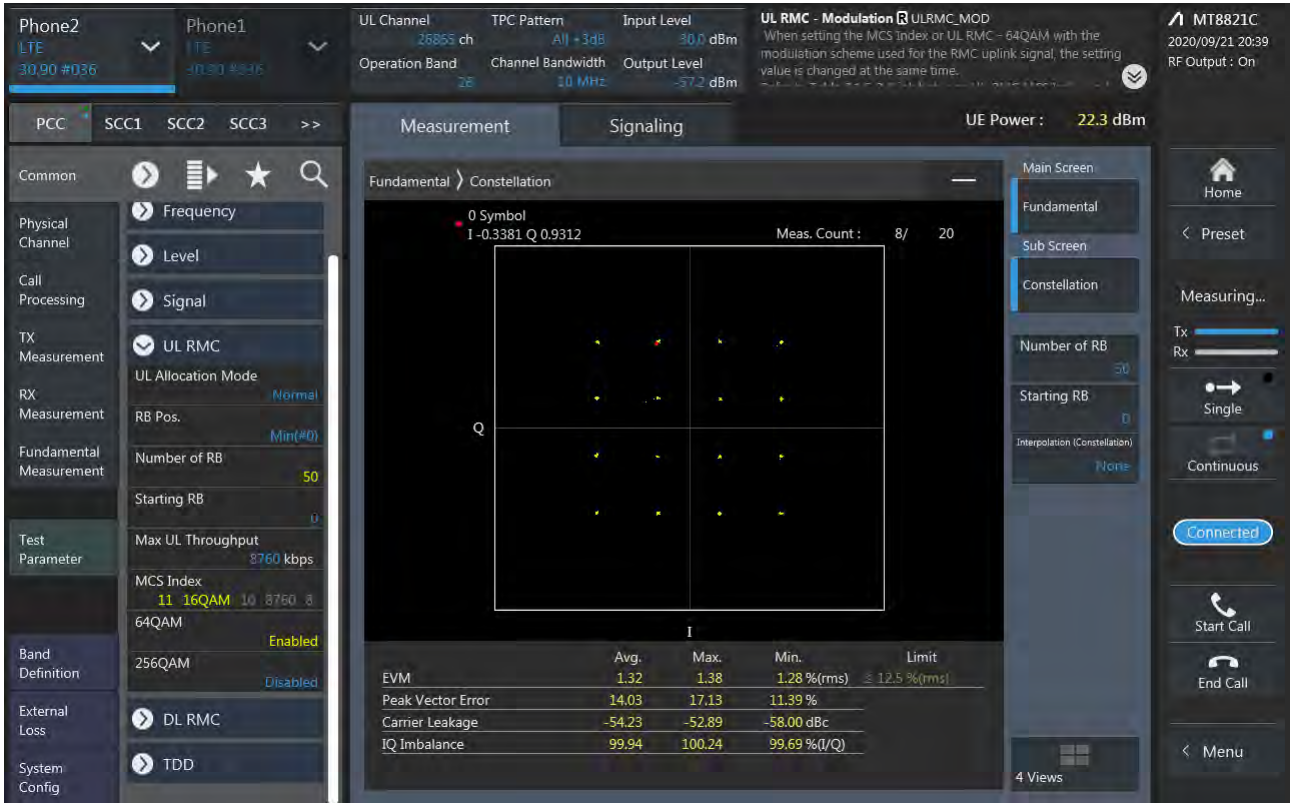
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3.2 Test Mode = LTE /TM2 10MHz

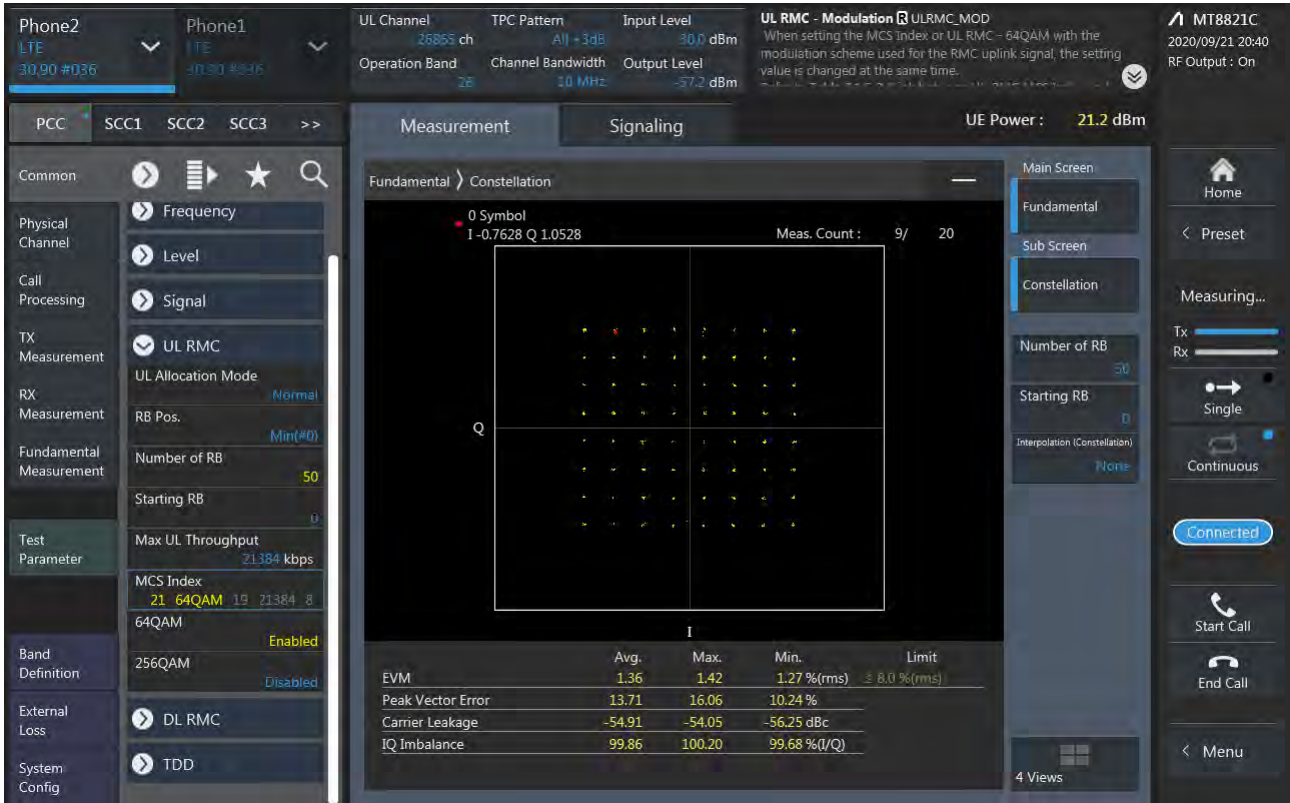
3.2.1 Test Channel = MCH



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3.3 Test Mode = LTE /TM3 10MHz

3.3.1 Test Channel = MCH



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4 26dB Bandwidth and Occupied Bandwidth

4.1 Test Result

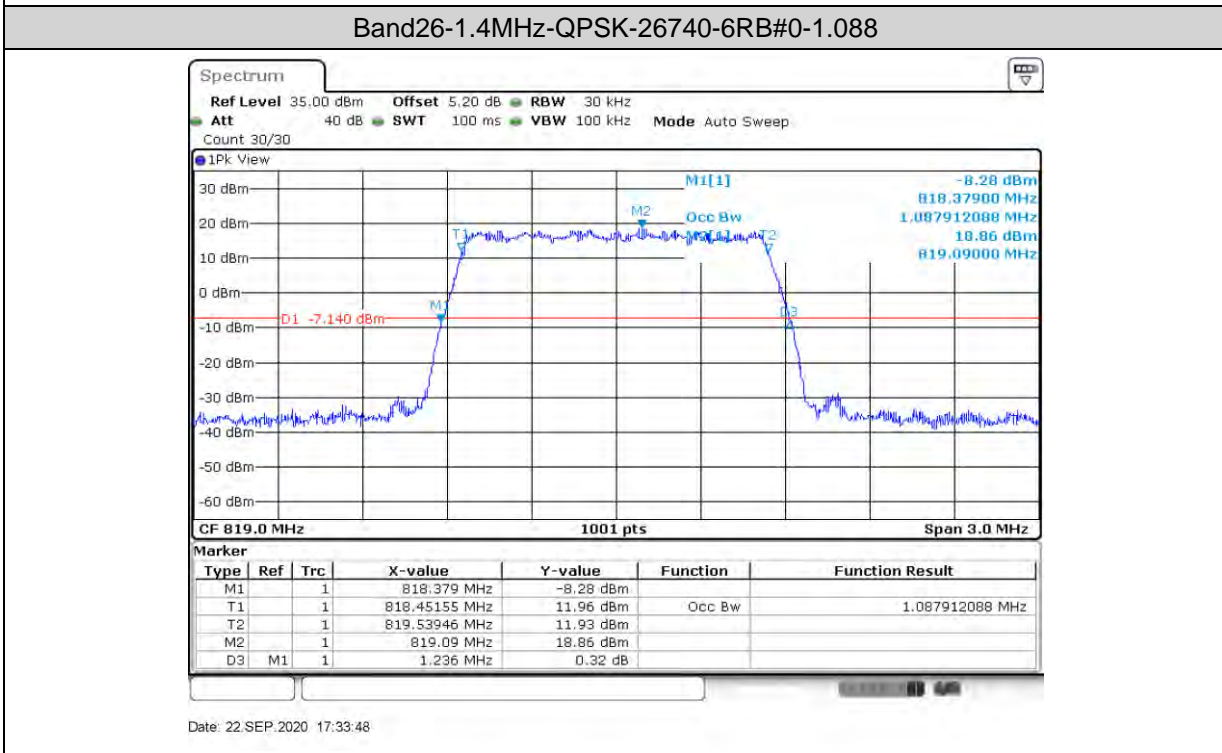
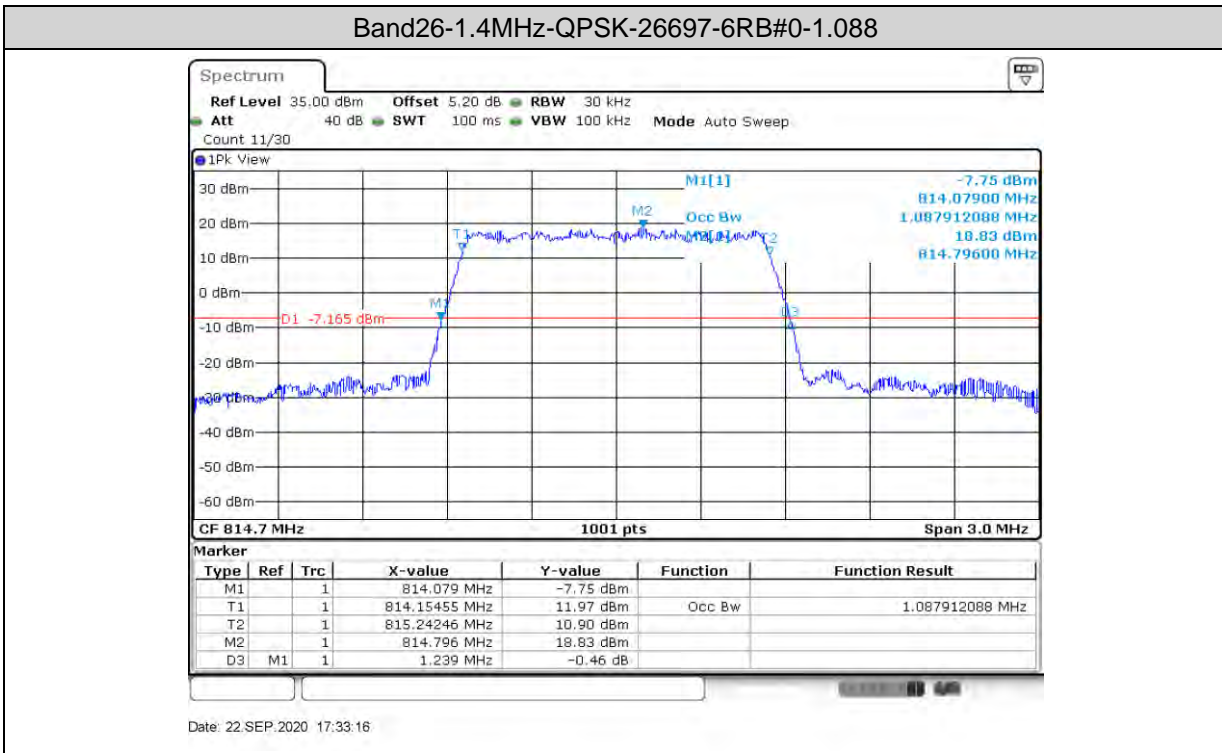
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26	1.4MHz	QPSK	26697	6RB#0	1.088	1.239	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	1.088	1.236	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	1.091	1.236	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	1.085	1.236	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	1.085	1.236	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	1.085	1.239	PASS
Band26	1.4MHz	64QAM	26697	6RB#0	1.094	1.239	PASS
Band26	1.4MHz	64QAM	26740	6RB#0	1.094	1.236	PASS
Band26	1.4MHz	64QAM	26783	6RB#0	1.094	1.242	PASS
Band26	3MHz	QPSK	26705	15RB#0	2.697	3.000	PASS
Band26	3MHz	QPSK	26740	15RB#0	2.691	3.000	PASS
Band26	3MHz	QPSK	26775	15RB#0	2.697	3.006	PASS
Band26	3MHz	16QAM	26705	15RB#0	2.679	2.982	PASS
Band26	3MHz	16QAM	26740	15RB#0	2.685	2.988	PASS
Band26	3MHz	16QAM	26775	15RB#0	2.685	2.976	PASS
Band26	3MHz	64QAM	26705	15RB#0	2.691	2.994	PASS
Band26	3MHz	64QAM	26740	15RB#0	2.691	2.982	PASS
Band26	3MHz	64QAM	26775	15RB#0	2.685	2.988	PASS
Band26	5MHz	QPSK	26715	25RB#0	4.466	4.890	PASS
Band26	5MHz	QPSK	26740	25RB#0	4.476	4.890	PASS
Band26	5MHz	QPSK	26765	25RB#0	4.466	4.880	PASS
Band26	5MHz	16QAM	26715	25RB#0	4.476	4.910	PASS
Band26	5MHz	16QAM	26740	25RB#0	4.486	4.920	PASS
Band26	5MHz	16QAM	26765	25RB#0	4.486	4.910	PASS
Band26	5MHz	64QAM	26715	25RB#0	4.466	4.880	PASS
Band26	5MHz	64QAM	26740	25RB#0	4.466	4.870	PASS
Band26	5MHz	64QAM	26765	25RB#0	4.476	4.880	PASS
Band26	10MHz	QPSK	26740	50RB#0	8.931	9.640	PASS
Band26	10MHz	16QAM	26740	50RB#0	8.911	9.680	PASS
Band26	10MHz	64QAM	26740	50RB#0	8.911	9.620	PASS



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4.2 Test Plots

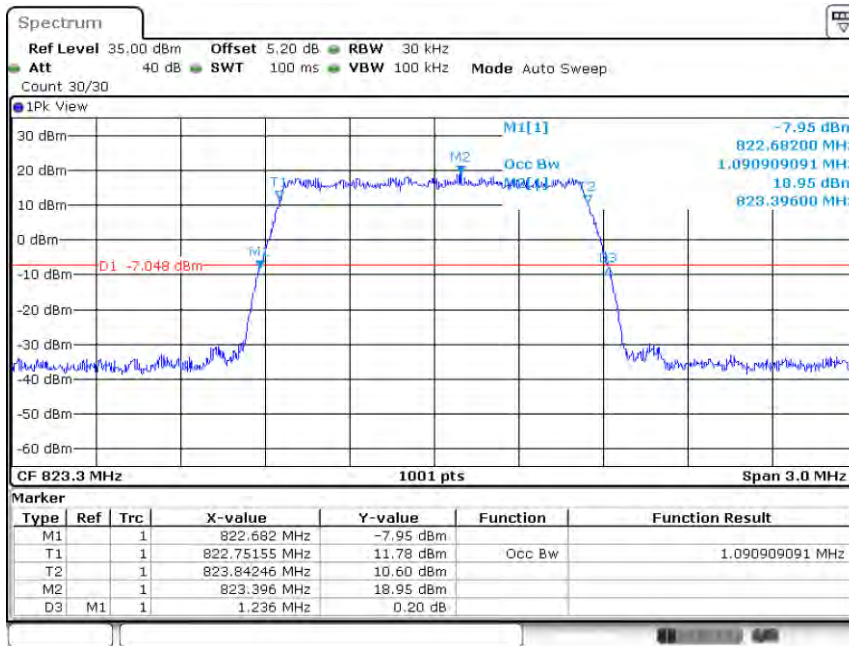


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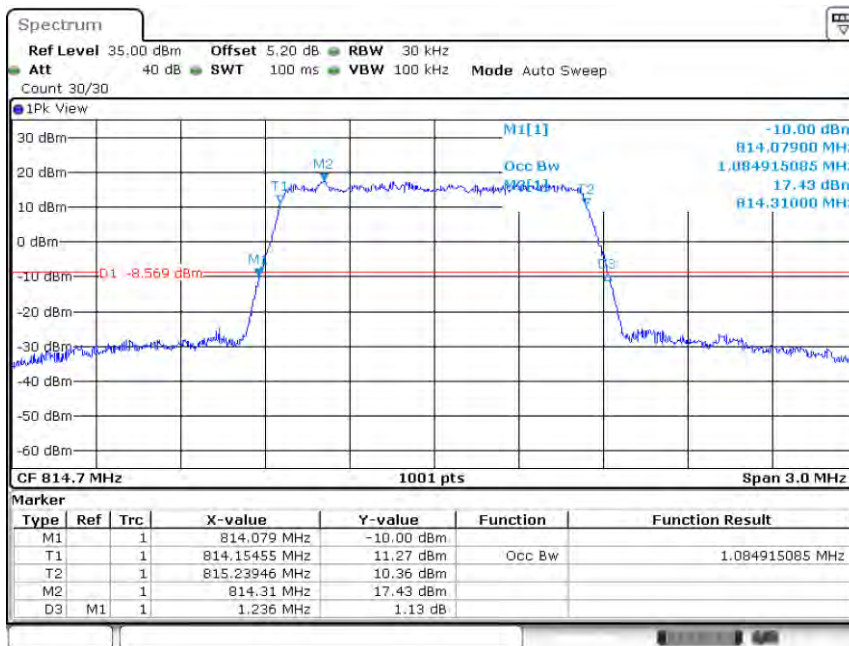
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Band26-1.4MHz-QPSK-26783-6RB#0-1.091



Date: 22-SEP-2020 17:34:19

Band26-1.4MHz-16QAM-26697-6RB#0-1.085

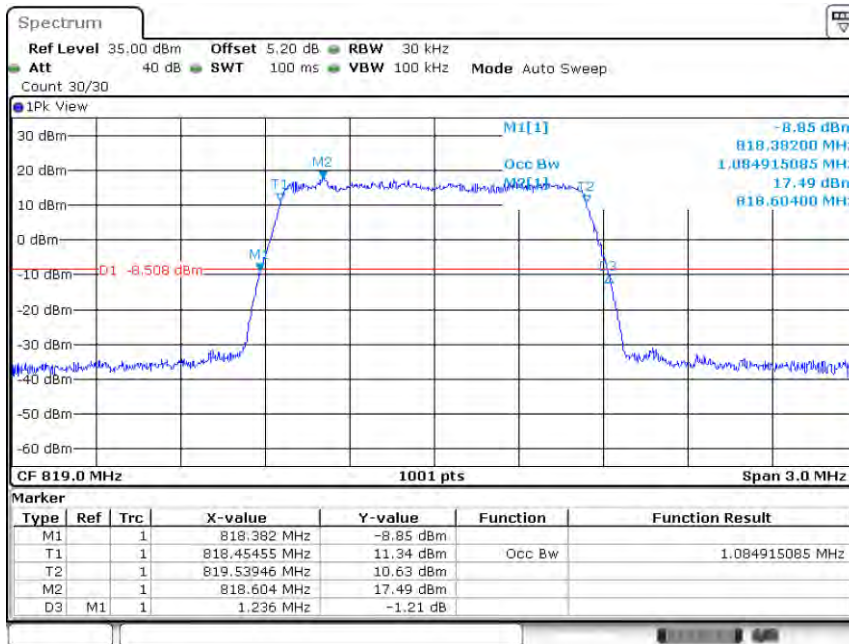


Date: 22-SEP-2020 17:33:32



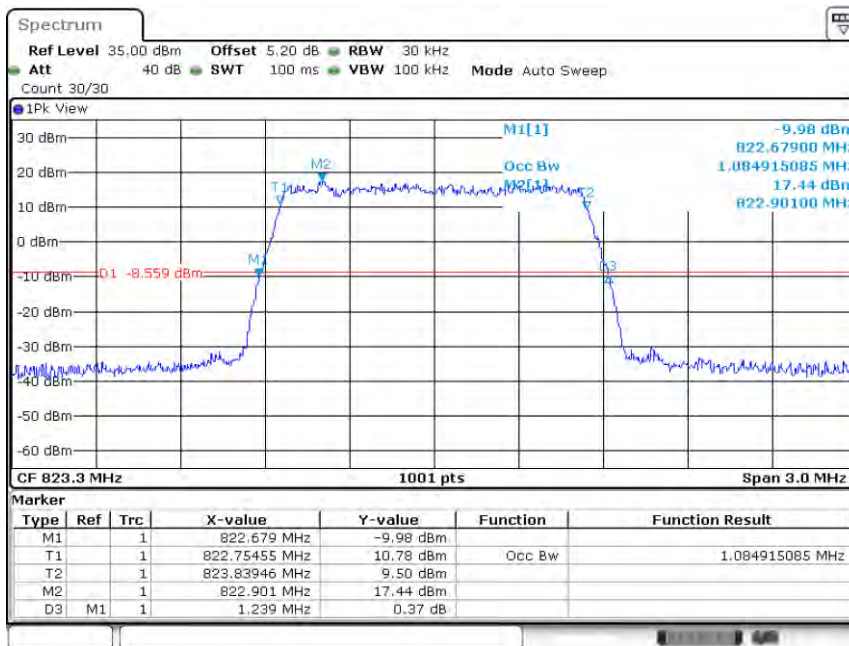
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Band26-1.4MHz-16QAM-26740-6RB#0-1.085



Date: 22-SEP-2020 17:34:03

Band26-1.4MHz-16QAM-26783-6RB#0-1.085

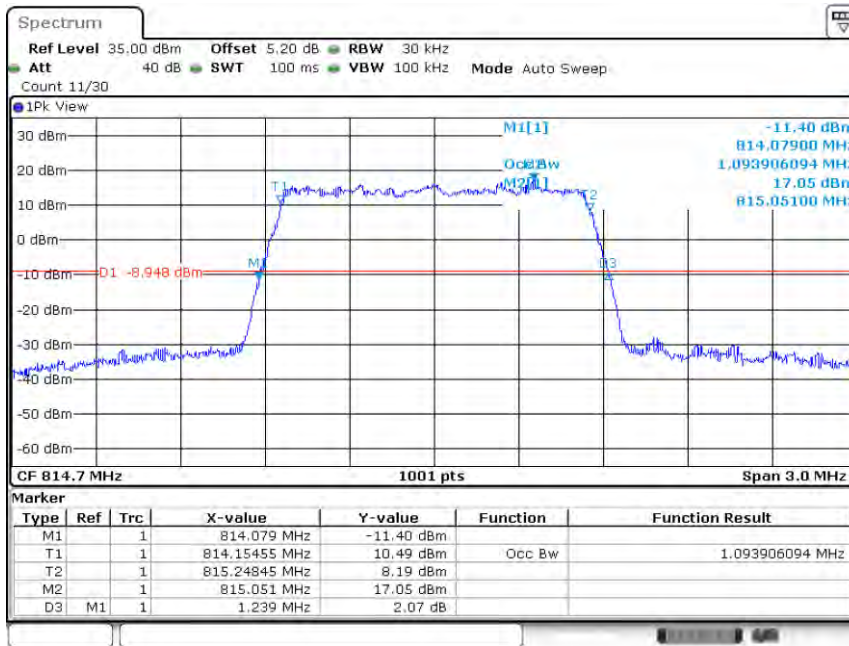


Date: 22-SEP-2020 17:34:35



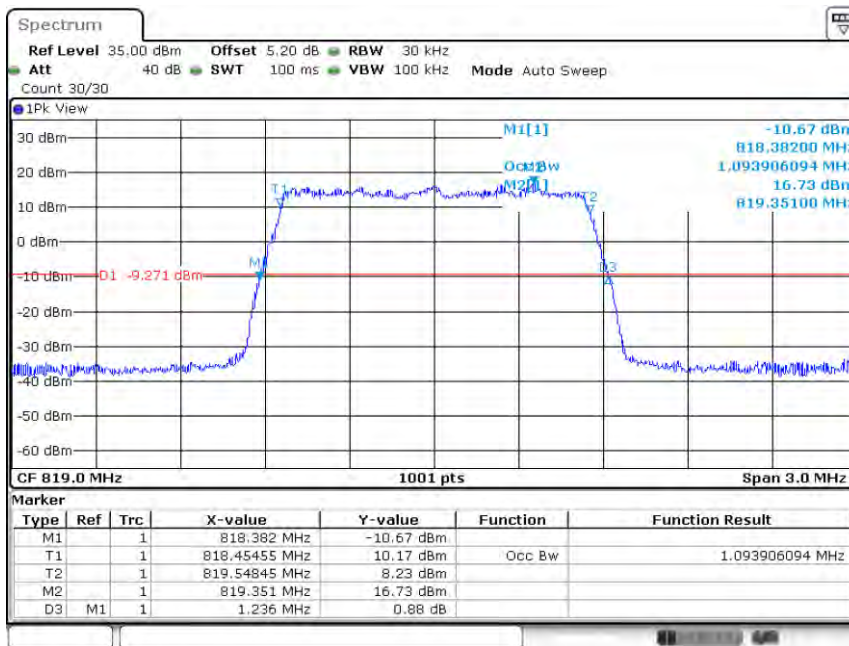
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Band26-1.4MHz-64QAM-26697-6RB#0-1.094



Date: 22-SEP-2020 19:38:01

Band26-1.4MHz-64QAM-26740-6RB#0-1.094

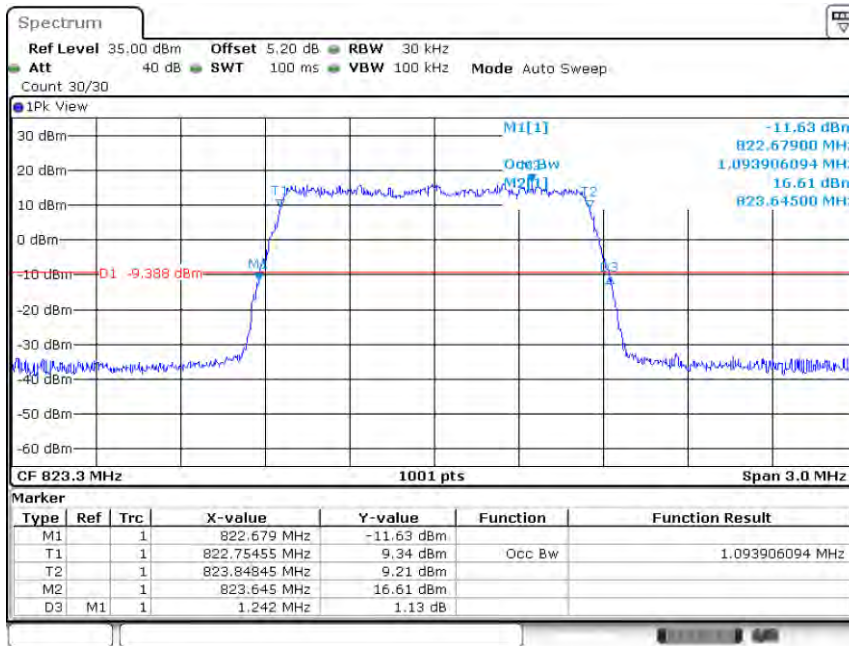


Date: 22-SEP-2020 19:38:17



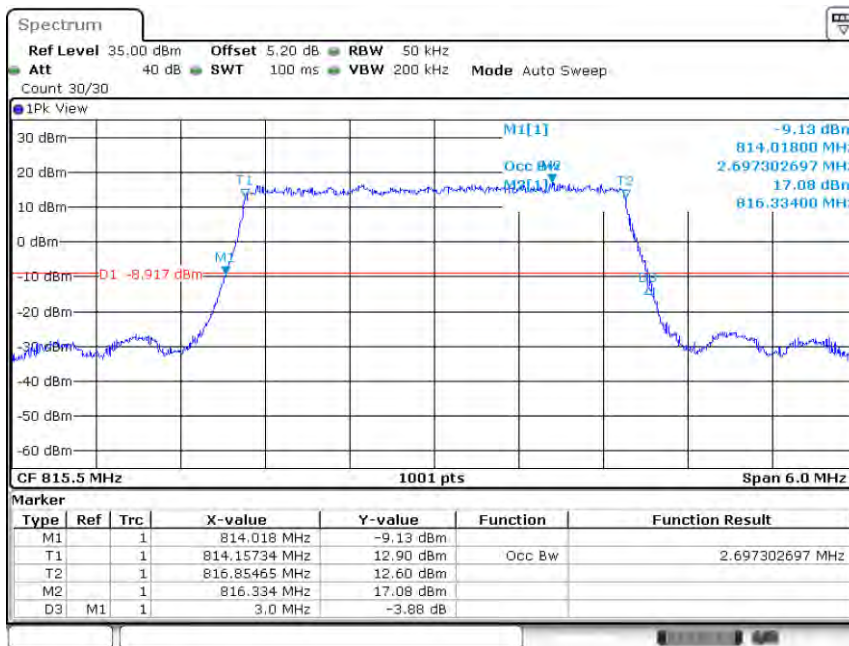
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Band26-1.4MHz-64QAM-26783-6RB#0-1.094



Date: 22-SEP-2020 19:38:33

Band26-3MHz-QPSK-26705-15RB#0-2.697

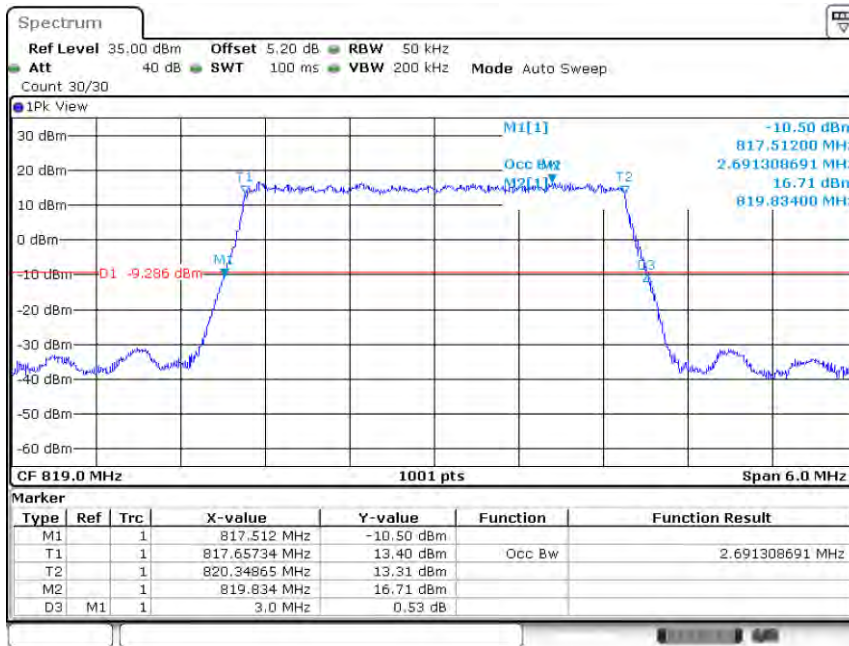


Date: 22-SEP-2020 17:34:57



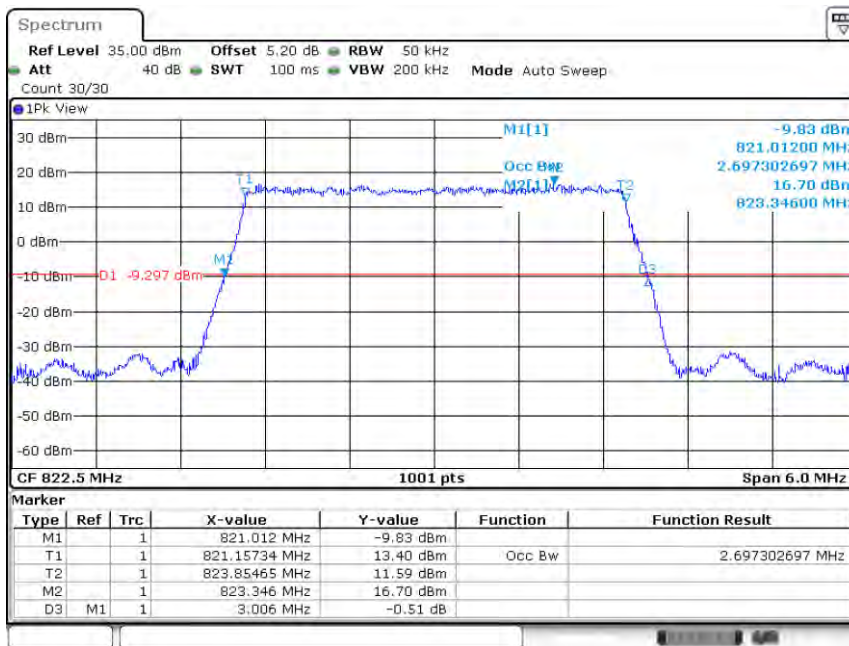
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Band26-3MHz-QPSK-26740-15RB#0-2.691



Date: 22-SEP-2020 17:35:28

Band26-3MHz-QPSK-26775-15RB#0-2.697

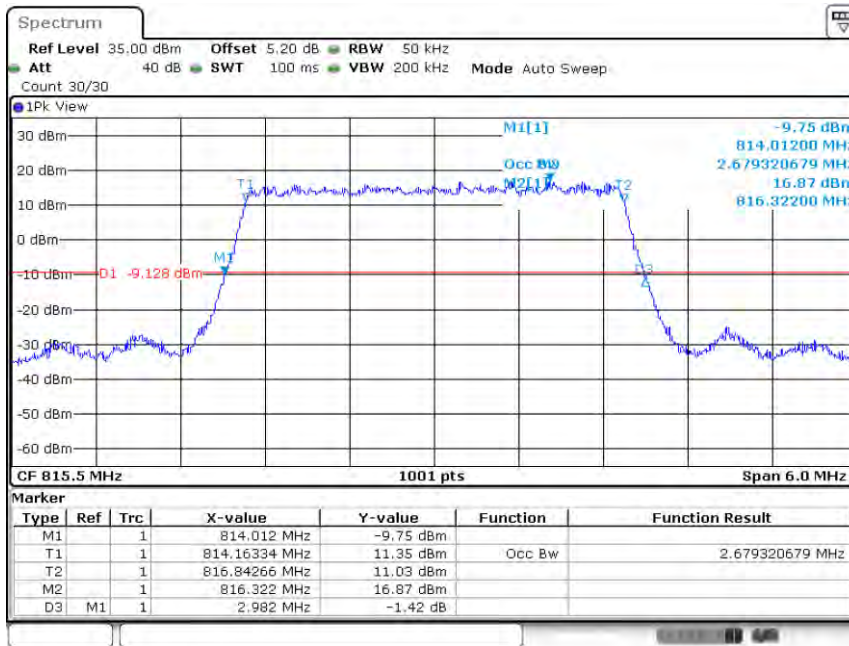


Date: 22-SEP-2020 17:36:00



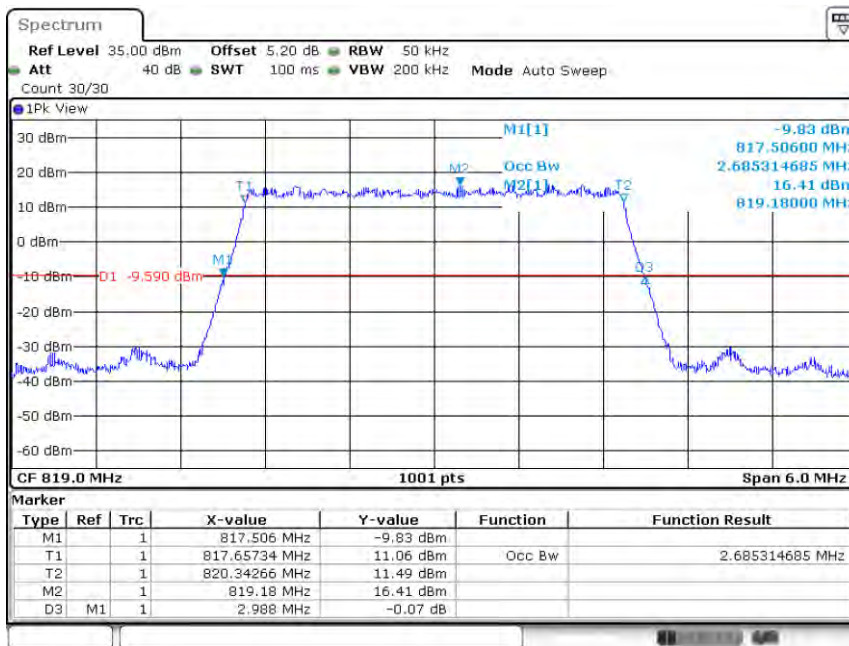
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Band26-3MHz-16QAM-26705-15RB#0-2.679



Date: 22-SEP-2020 17:35:12

Band26-3MHz-16QAM-26740-15RB#0-2.685

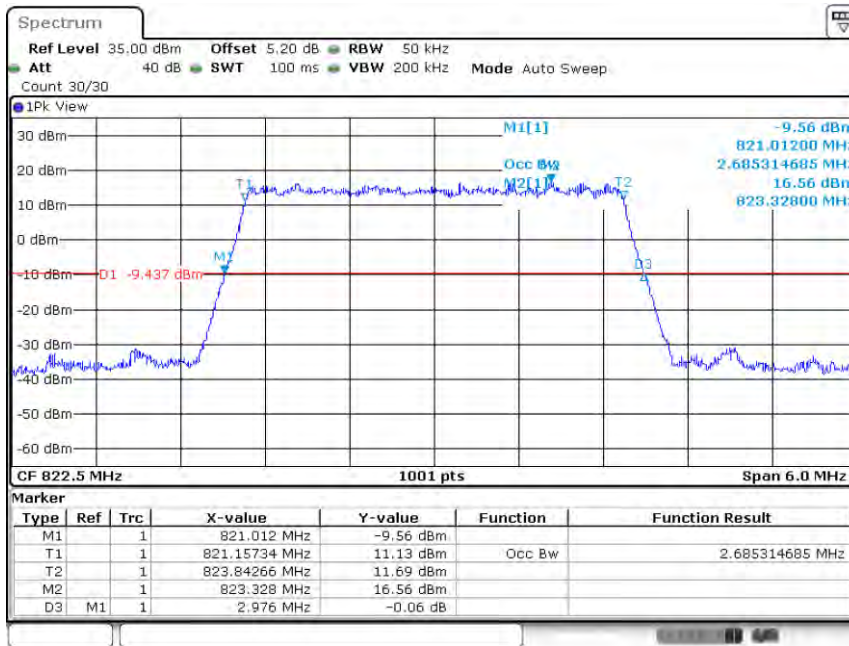


Date: 22-SEP-2020 17:35:44



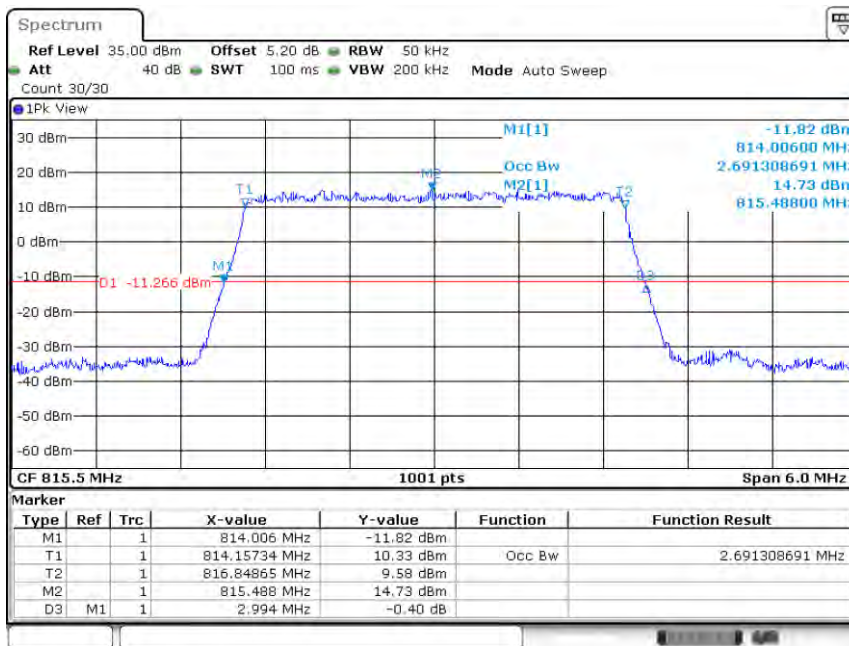
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Band26-3MHz-16QAM-26775-15RB#0-2.685



Date: 22-SEP-2020 17:36:16

Band26-3MHz-64QAM-26705-15RB#0-2.691

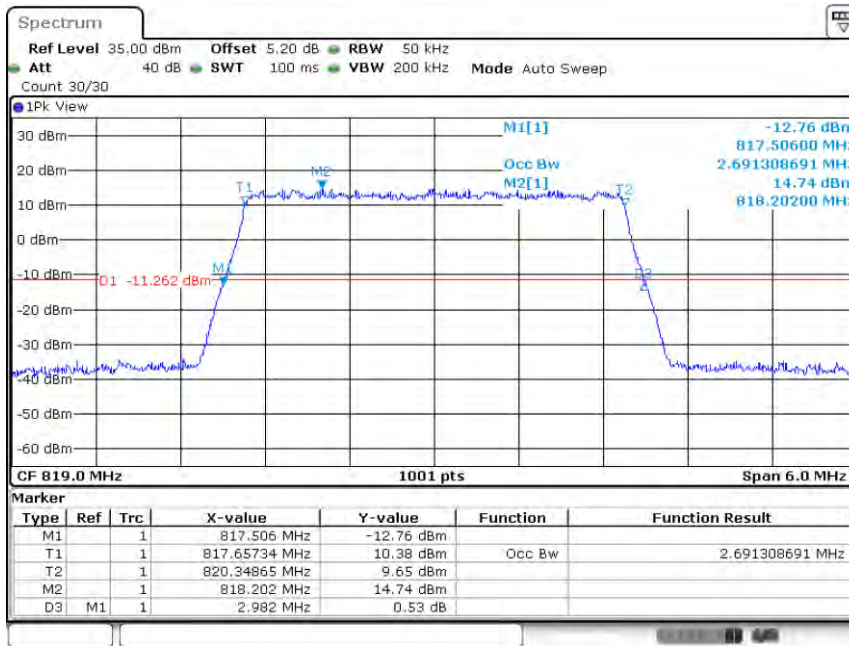


Date: 22-SEP-2020 19:38:55



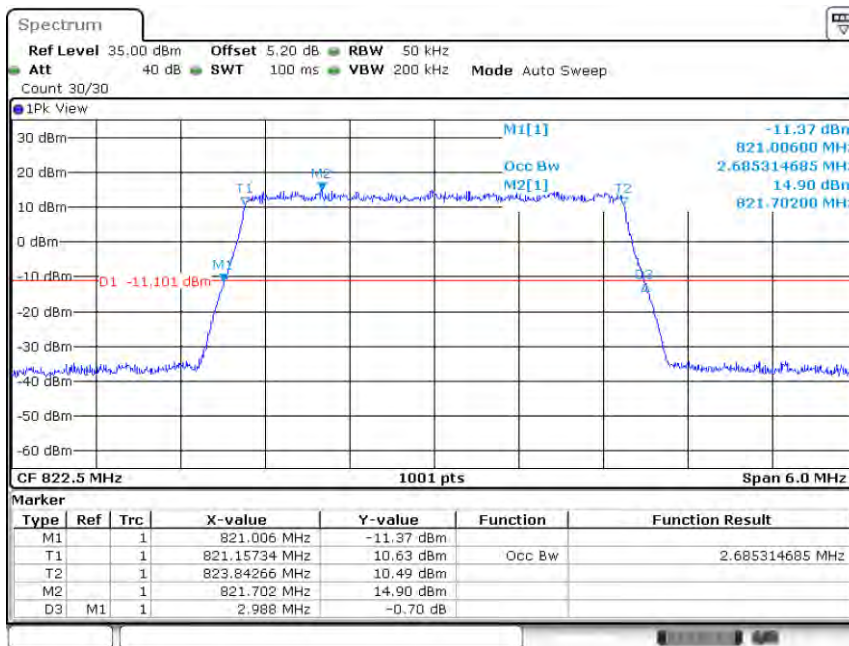
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Band26-3MHz-64QAM-26740-15RB#0-2.691



Date: 22-SEP-2020 19:39:11

Band26-3MHz-64QAM-26775-15RB#0-2.685

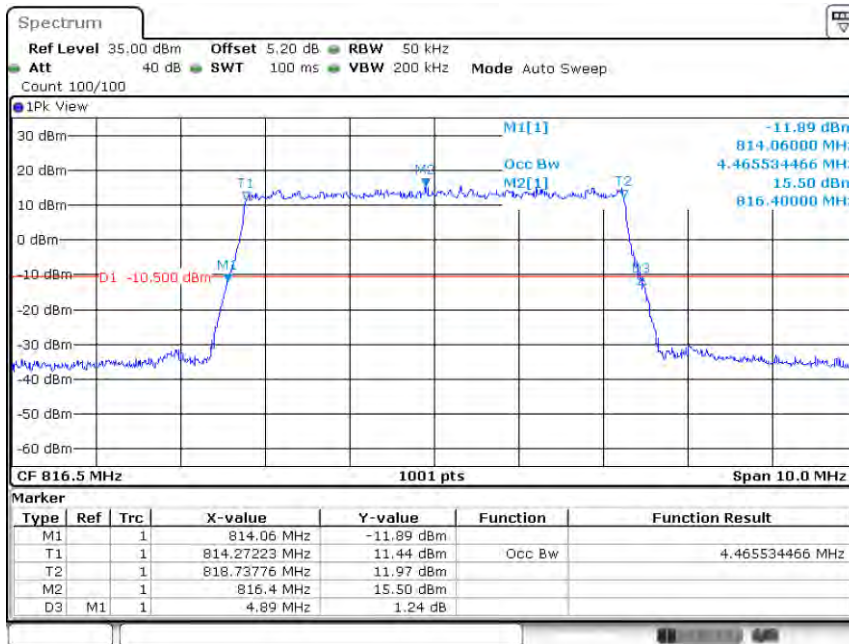


Date: 22-SEP-2020 19:39:27



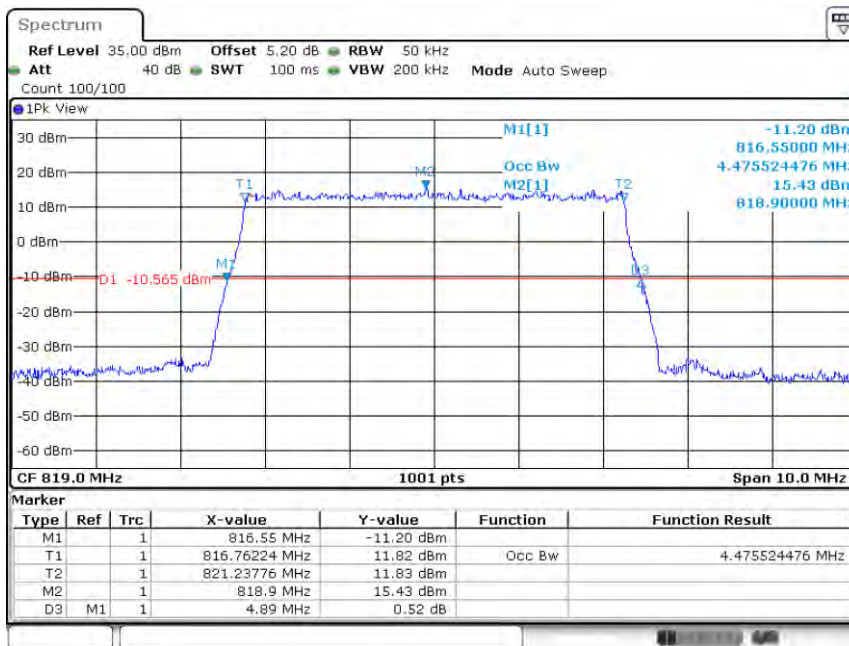
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Band26-5MHz-QPSK-26715-25RB#0-4.466



Date: 22-SEP-2020 17:36:44

Band26-5MHz-QPSK-26740-25RB#0-4.476

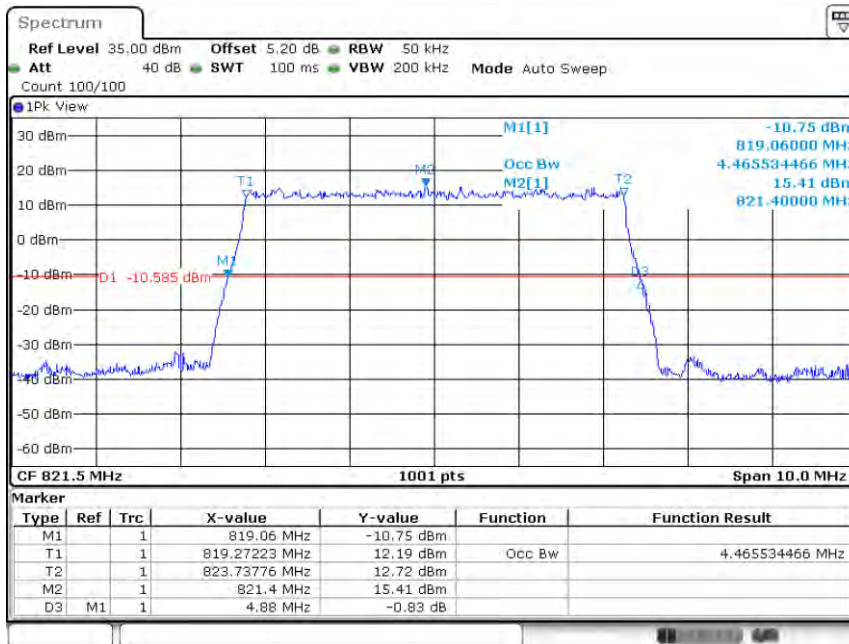


Date: 22-SEP-2020 17:37:30



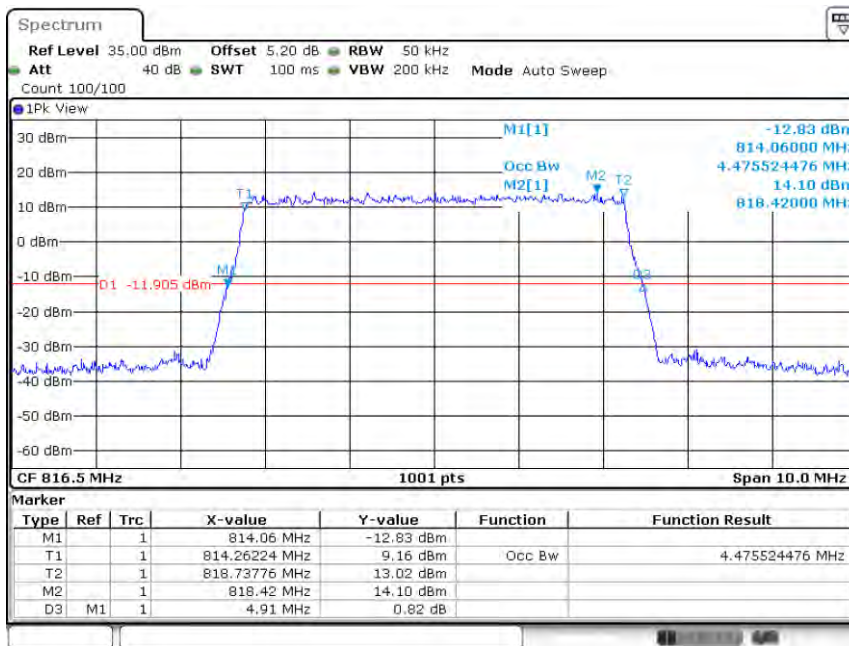
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Band26-5MHz-QPSK-26765-25RB#0-4.466



Date: 22-SEP-2020 17:38:16

Band26-5MHz-16QAM-26715-25RB#0-4.476

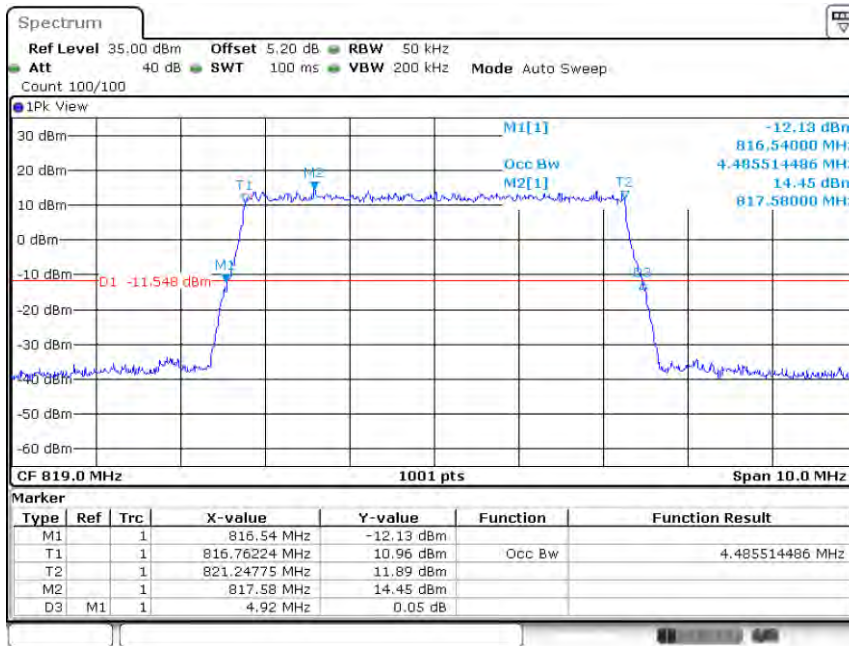


Date: 22-SEP-2020 17:37:07



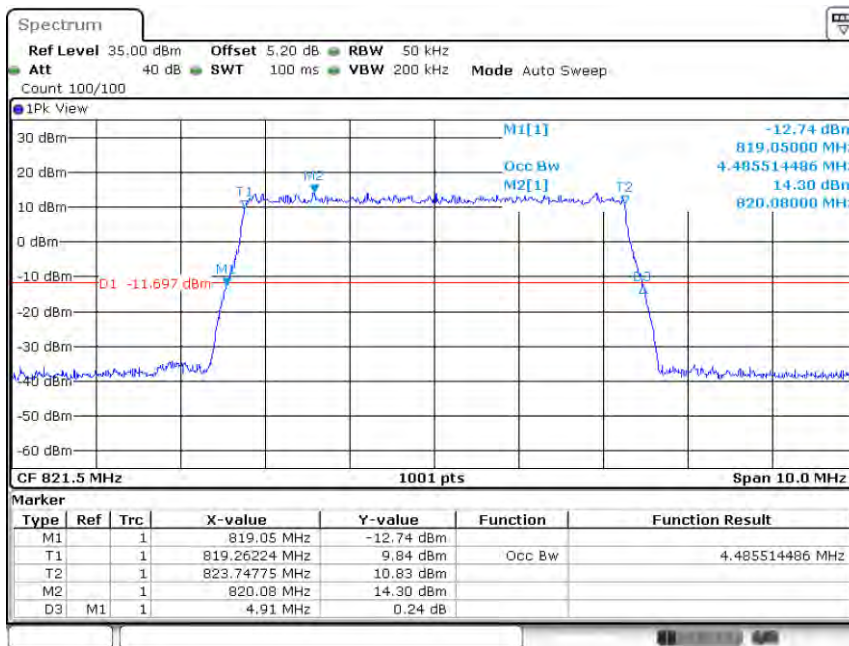
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Band26-5MHz-16QAM-26740-25RB#0-4.486



Date: 22-SEP-2020 17:37:53

Band26-5MHz-16QAM-26765-25RB#0-4.486

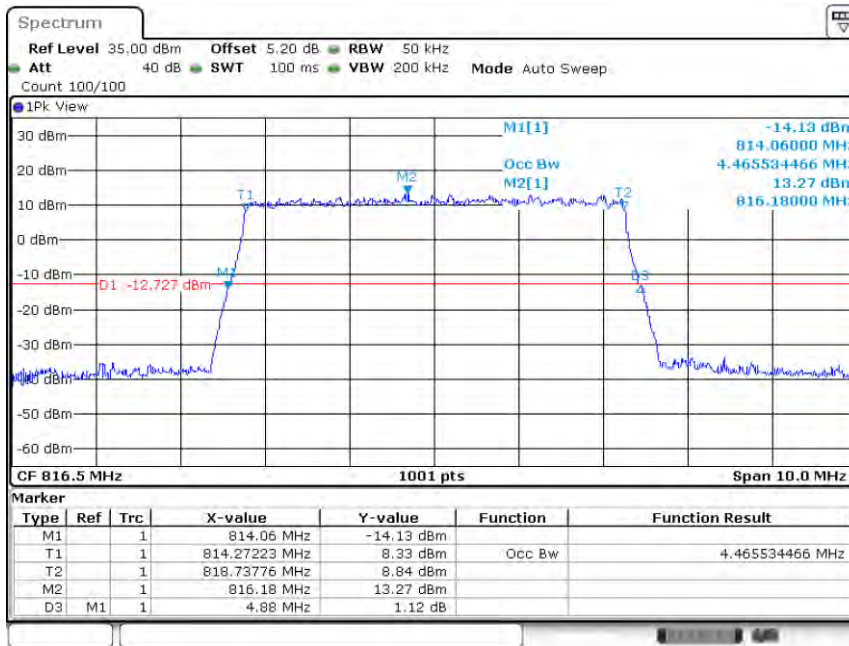


Date: 22-SEP-2020 17:38:39



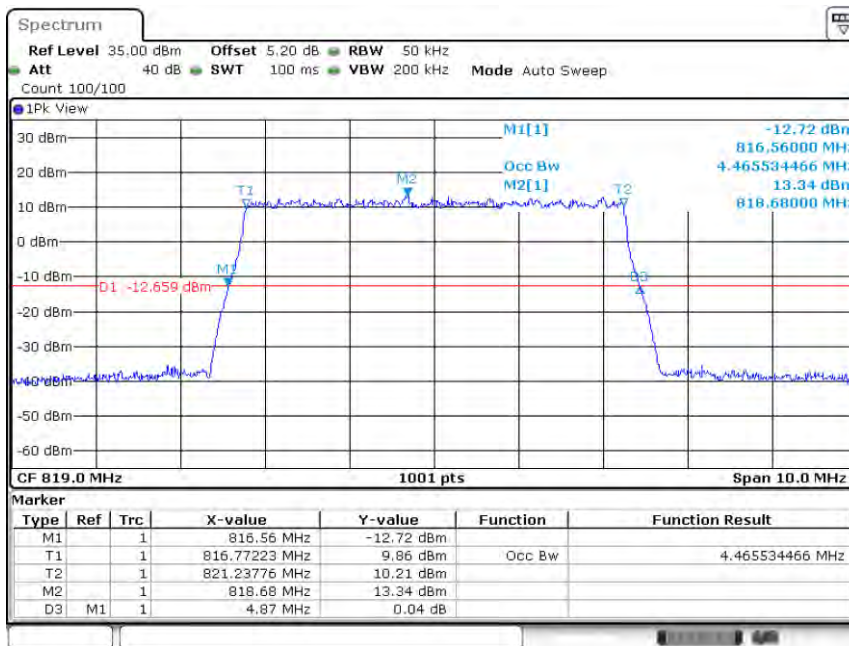
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Band26-5MHz-64QAM-26715-25RB#0-4.466



Date: 22-SEP-2020 19:39:55

Band26-5MHz-64QAM-26740-25RB#0-4.466

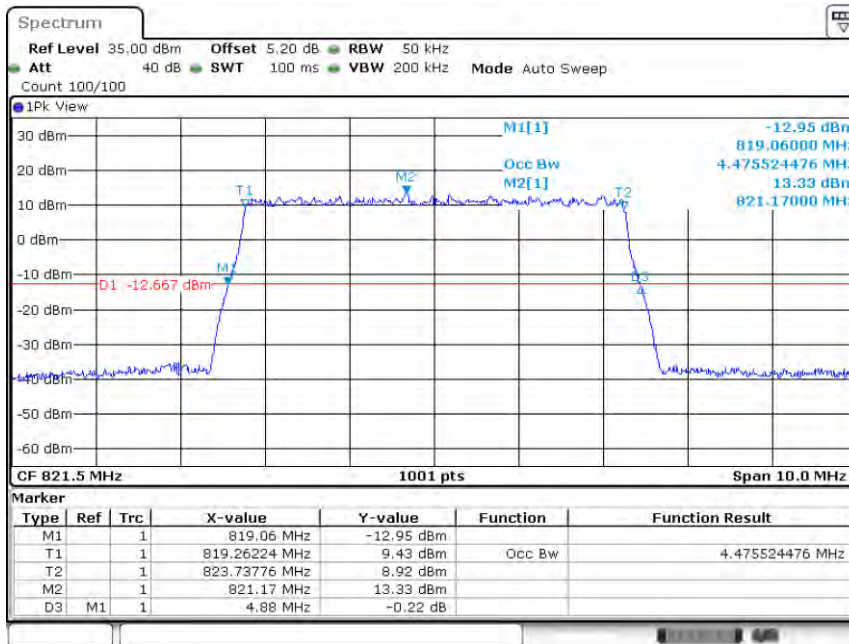


Date: 22-SEP-2020 19:40:18



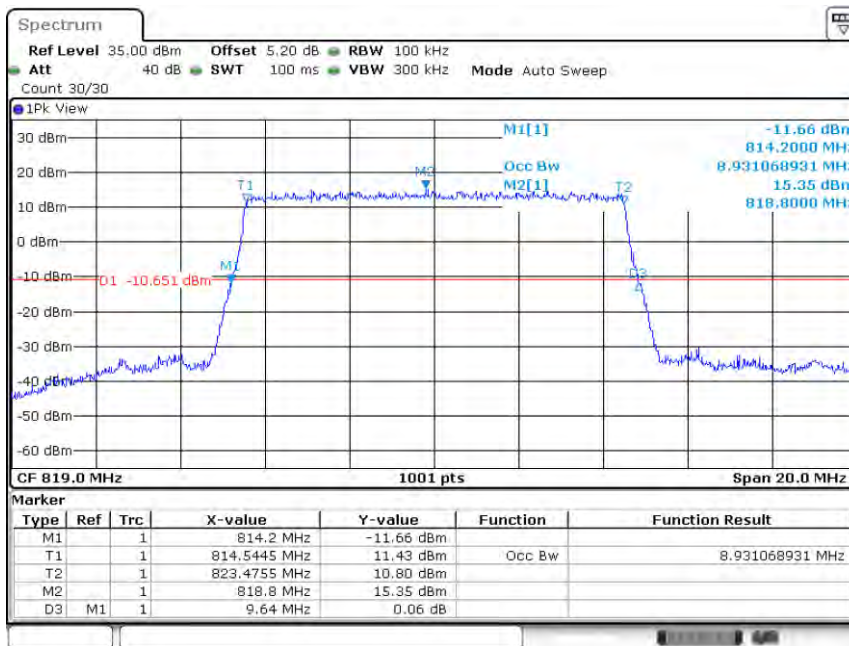
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Band26-5MHz-64QAM-26765-25RB#0-4.476



Date: 22-SEP-2020 19:40:41

Band26-10MHz-QPSK-26740-50RB#0-8.931

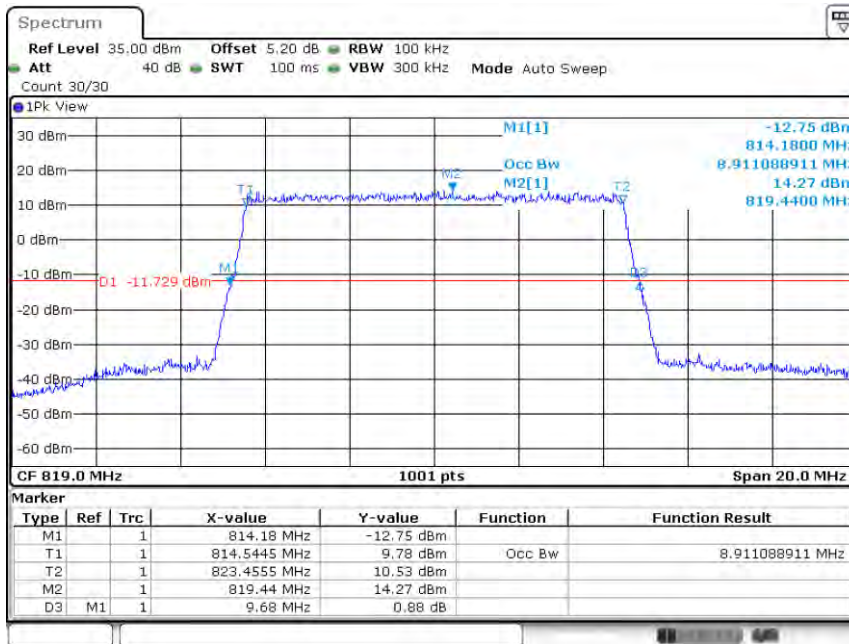


Date: 22-SEP-2020 17:39:00



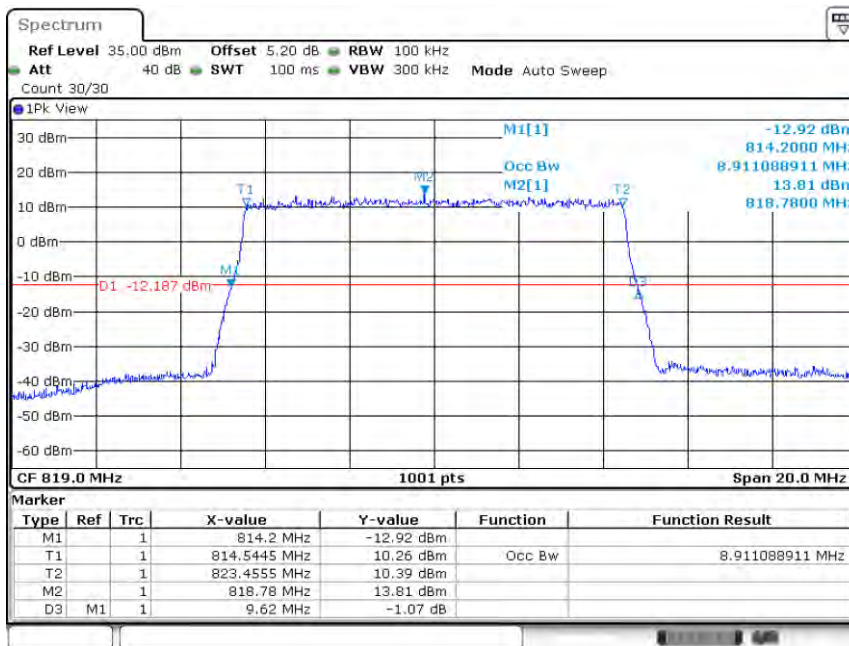
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Band26-10MHz-16QAM-26740-50RB#0-8.911



Date: 22-SEP-2020 17:39:16

Band26-10MHz-64QAM-26740-50RB#0-8.911



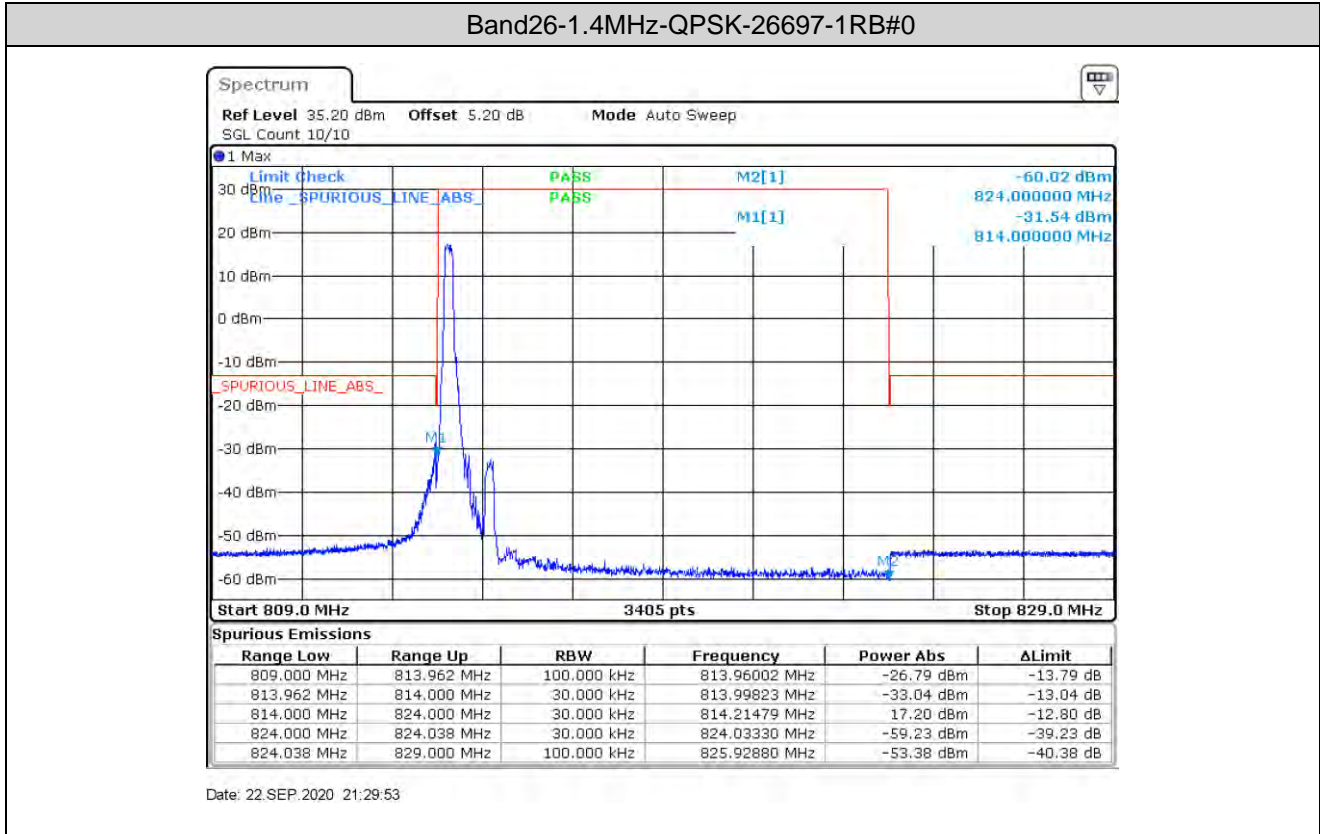
Date: 22-SEP-2020 19:41:03



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5 Band Edge Compliance

5.1 Test Plots

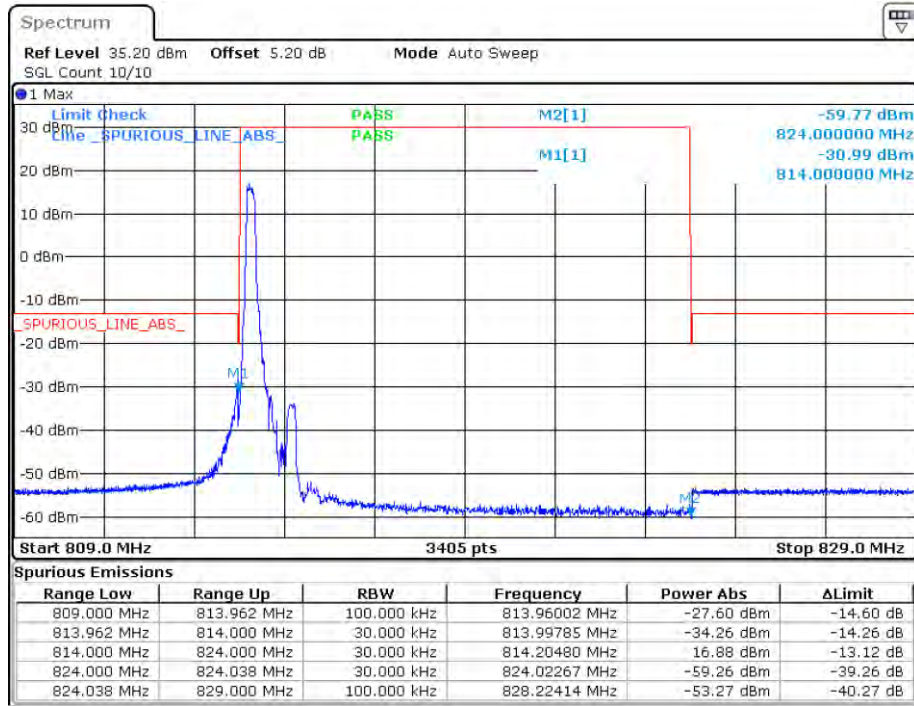


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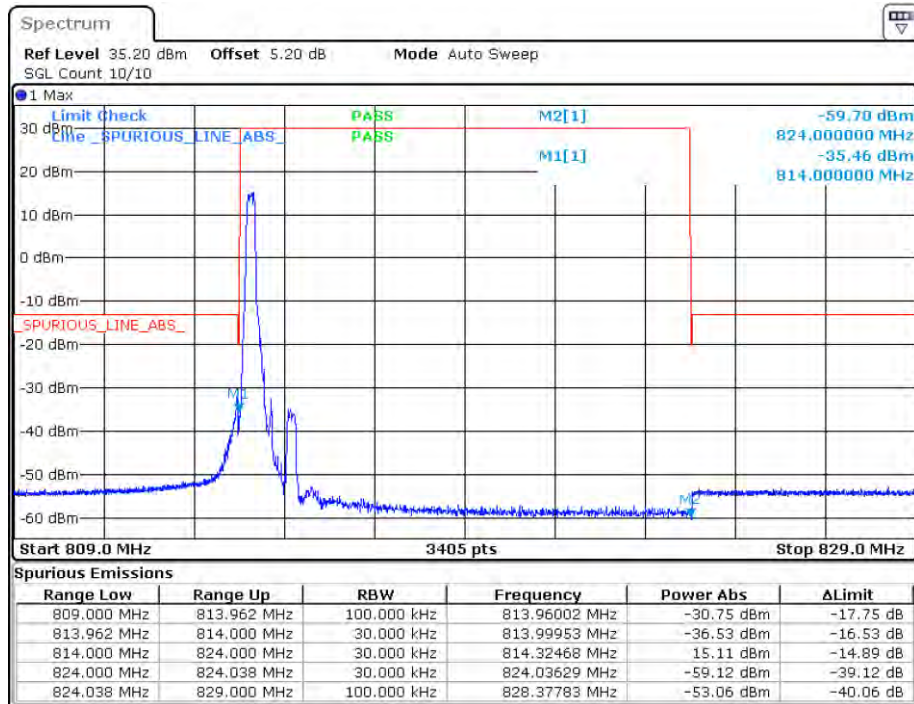
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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Band26-1.4MHz-16QAM-26697-1RB#0



Date: 22.SEP.2020 21:30:31

Band26-1.4MHz-64QAM-26697-1RB#0

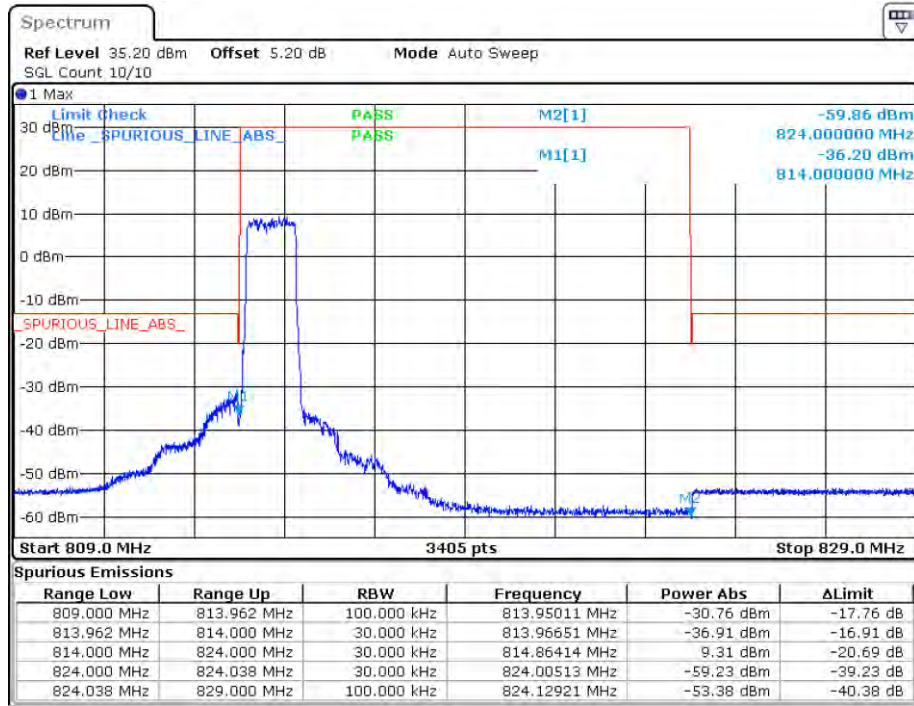


Date: 22.SEP.2020 21:31:10



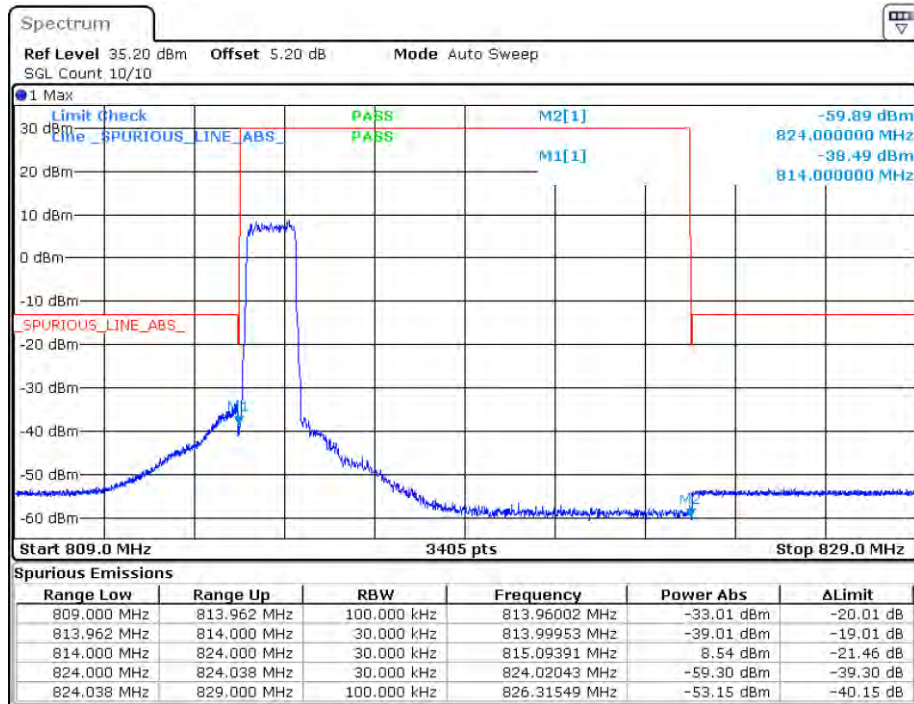
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Band26-1.4MHz-QPSK-26697-6RB#0



Date: 22.SEP.2020 21:33:44

Band26-1.4MHz-16QAM-26697-6RB#0

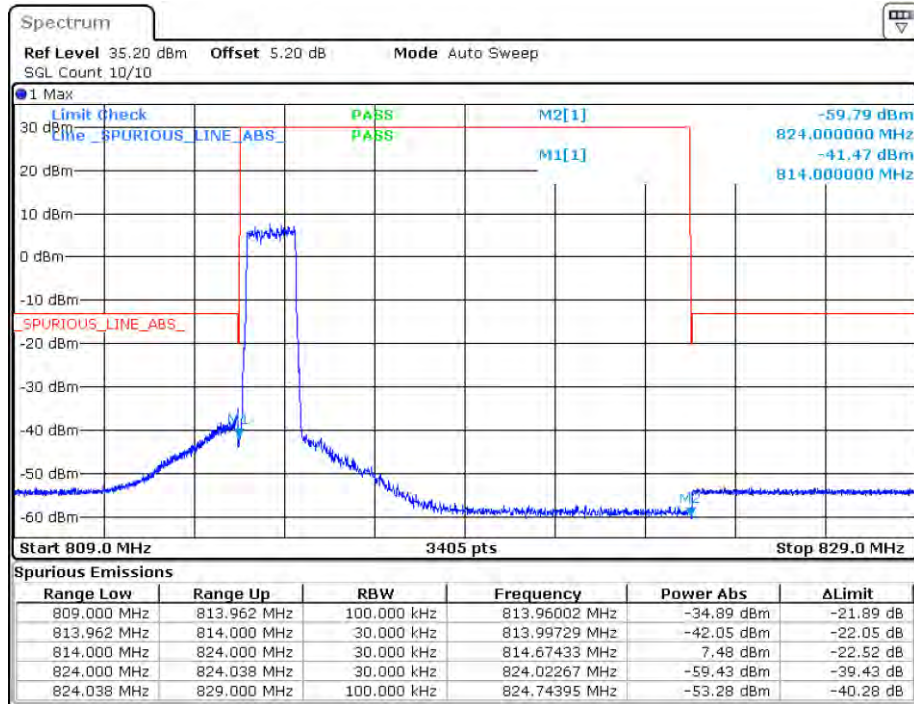


Date: 22.SEP.2020 21:34:22



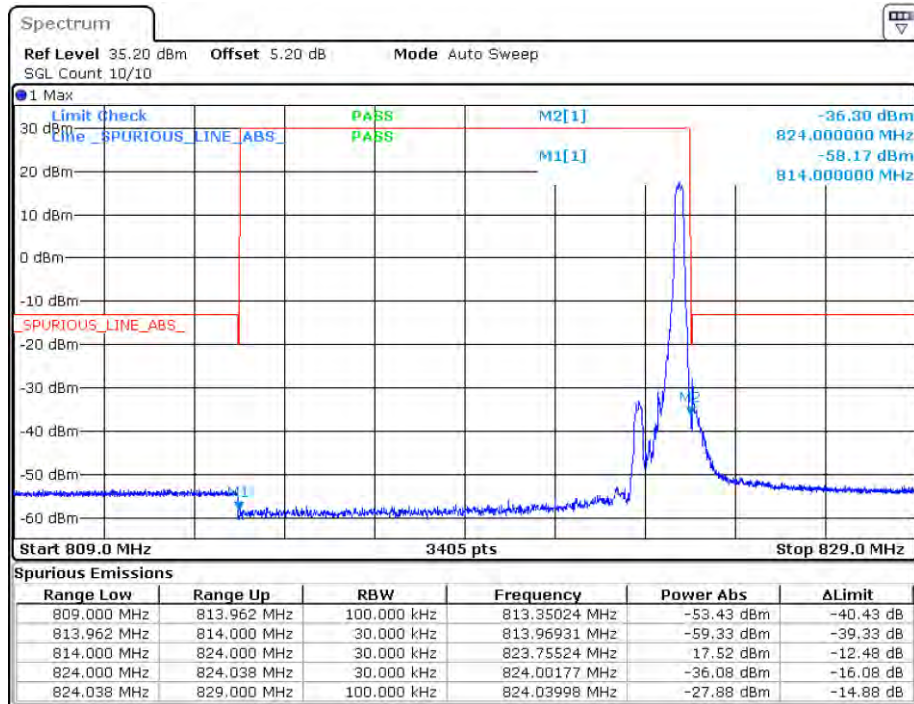
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Band26-1.4MHz-64QAM-26697-6RB#0



Date: 22.SEP.2020 21:35:00

Band26-1.4MHz-QPSK-26783-1RB#5

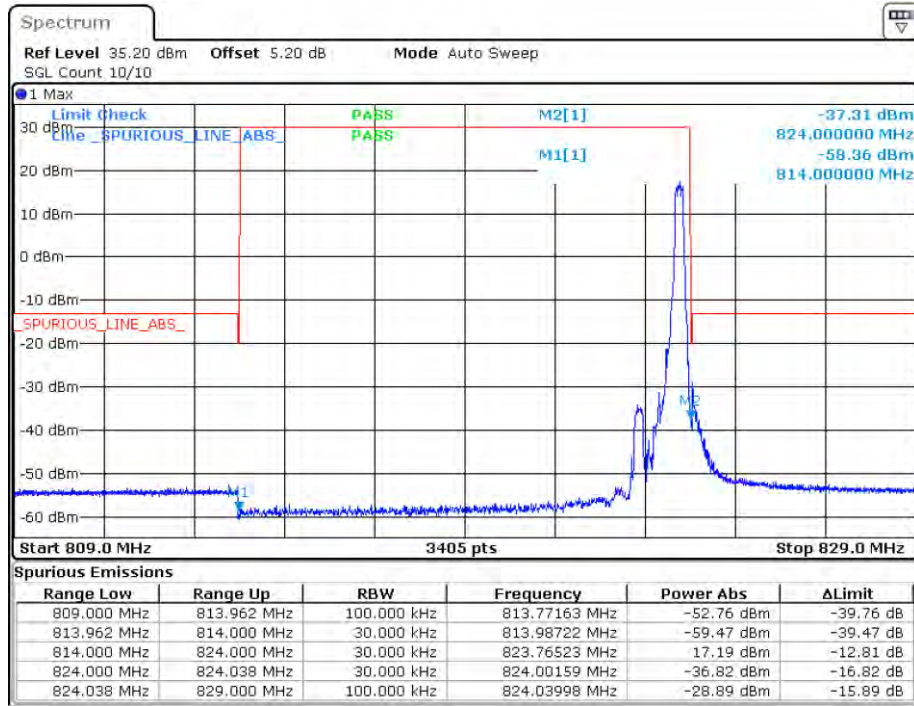


Date: 22.SEP.2020 21:31:49



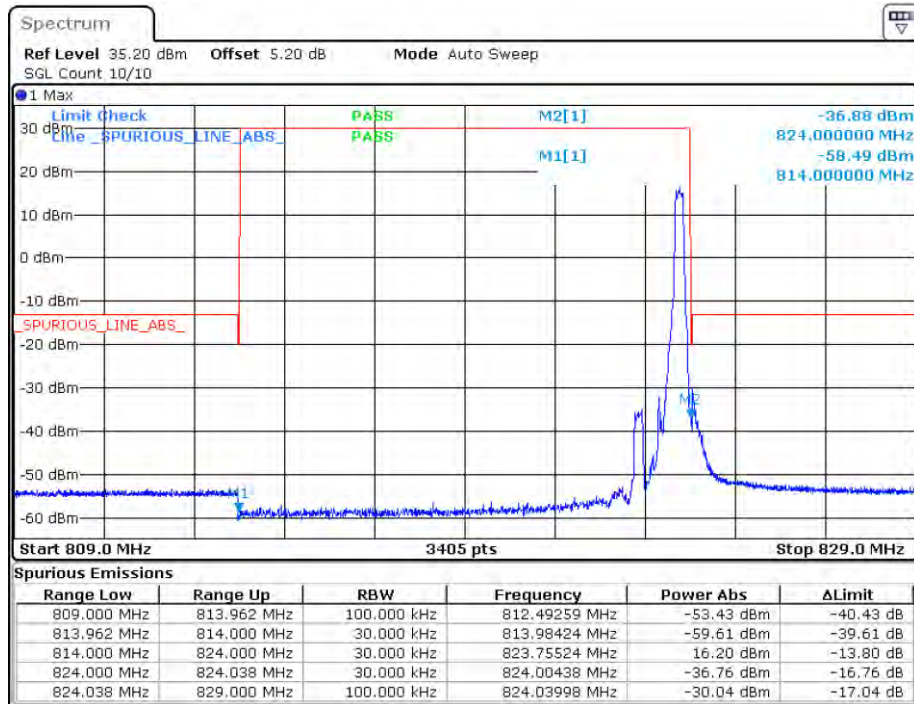
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Band26-1.4MHz-16QAM-26783-1RB#5



Date: 22.SEP.2020 21:32:27

Band26-1.4MHz-64QAM-26783-1RB#5

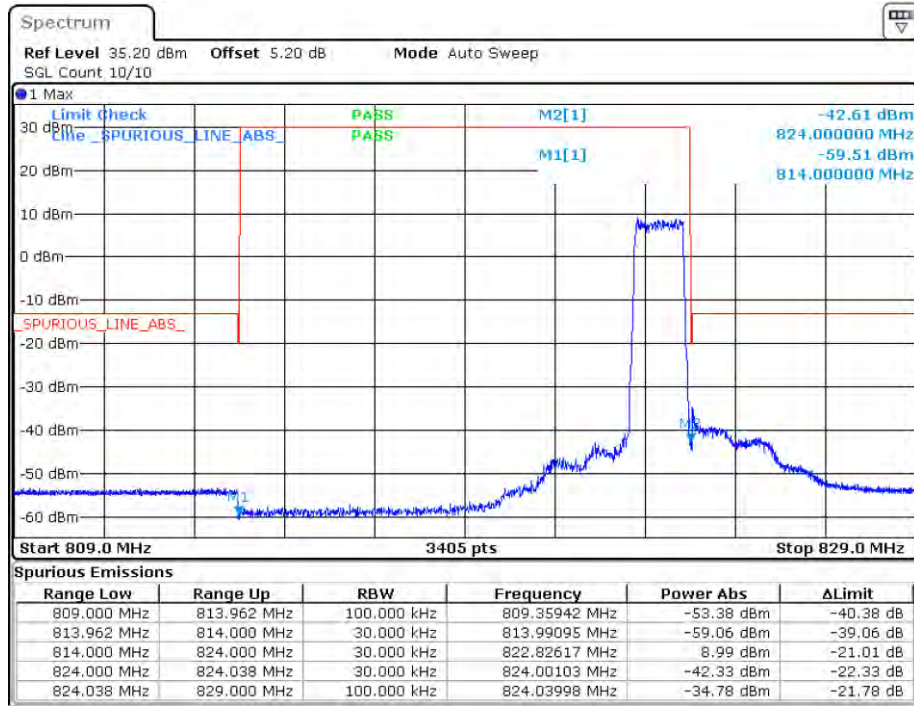


Date: 22.SEP.2020 21:33:05



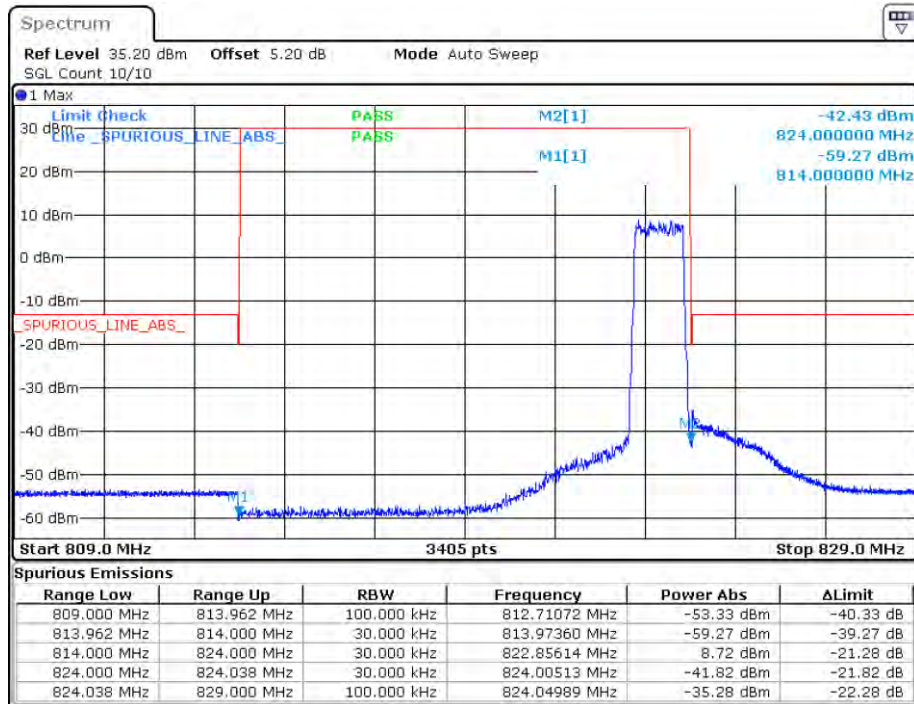
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Band26-1.4MHz-QPSK-26783-6RB#0



Date: 22.SEP.2020 21:35:38

Band26-1.4MHz-16QAM-26783-6RB#0

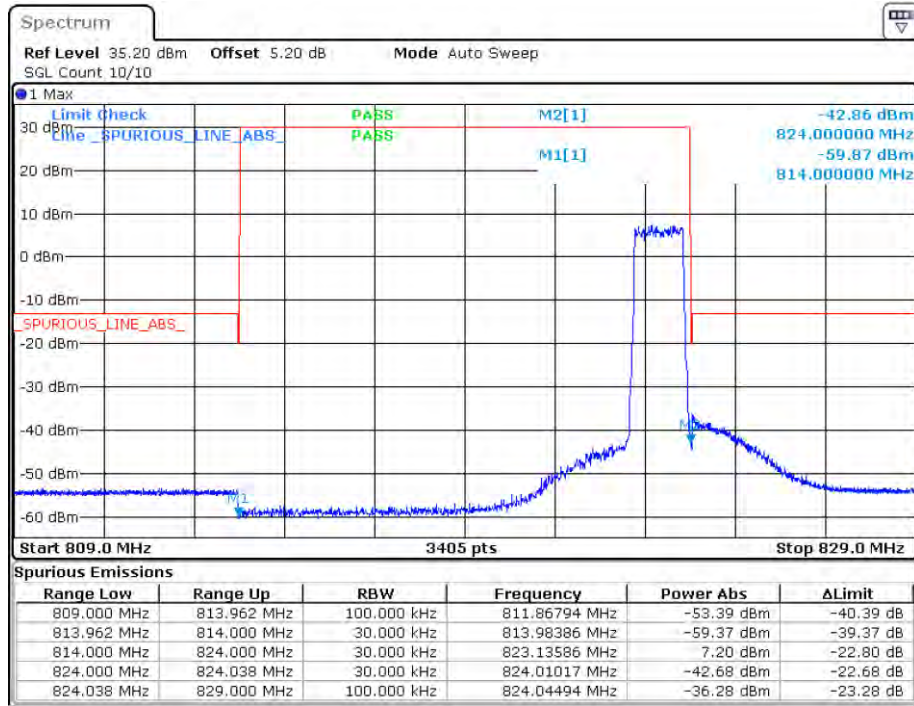


Date: 22.SEP.2020 21:36:17



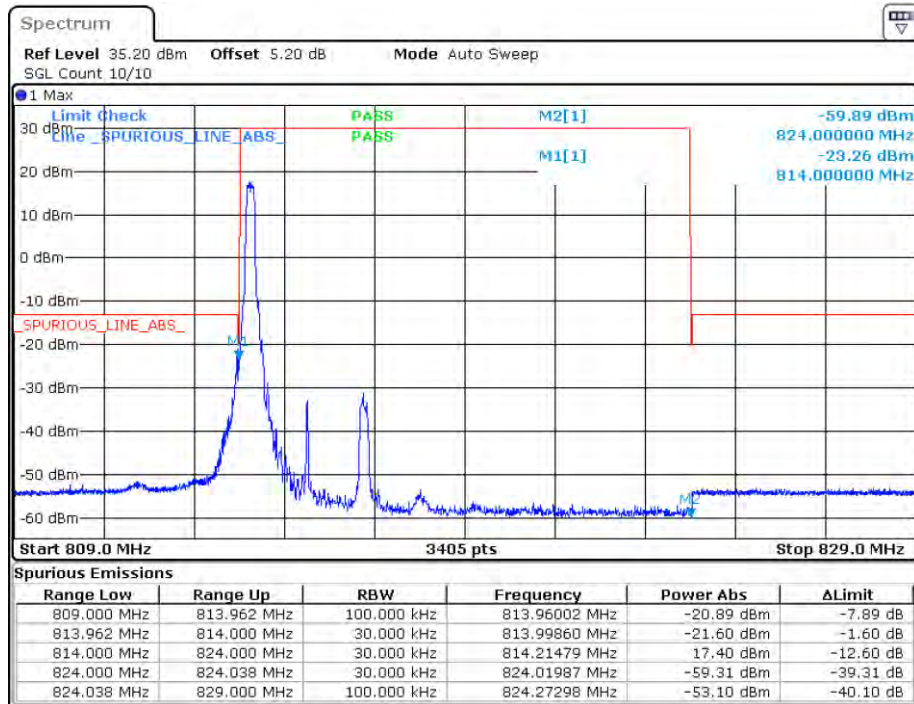
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Band26-1.4MHz-64QAM-26783-6RB#0



Date: 22.SEP.2020 21:36:55

Band26-3MHz-QPSK-26705-1RB#0

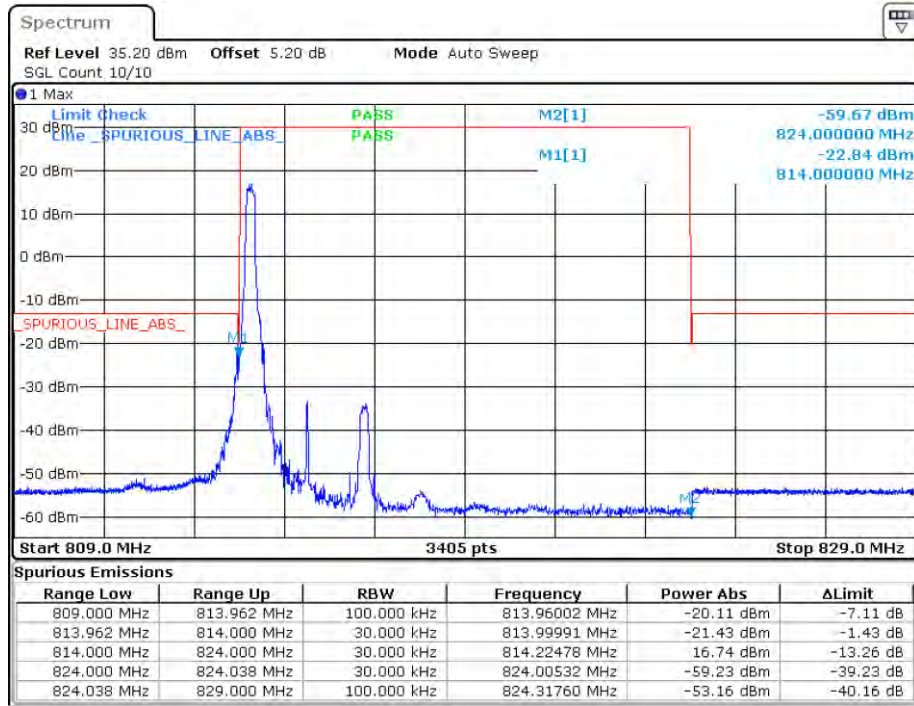


Date: 22.SEP.2020 21:37:35



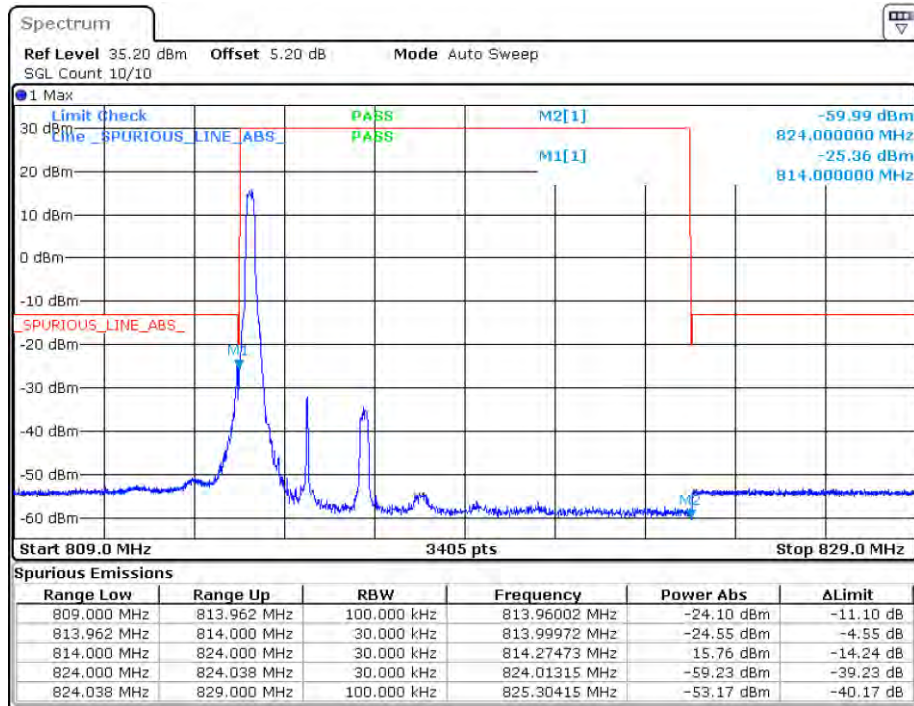
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Band26-3MHz-16QAM-26705-1RB#0



Date: 22.SEP.2020 21:38:13

Band26-3MHz-64QAM-26705-1RB#0

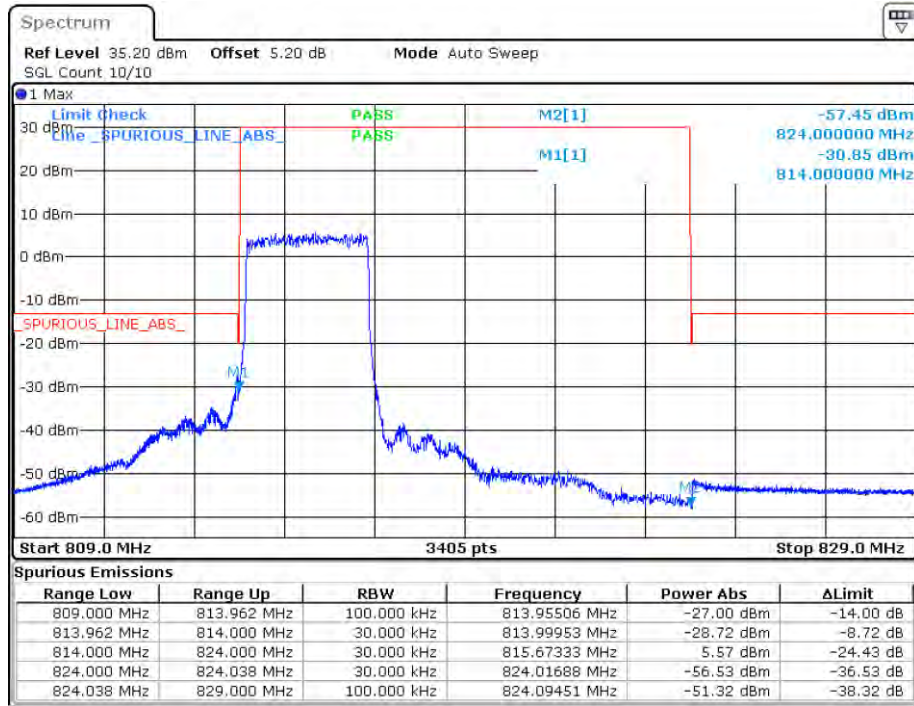


Date: 22.SEP.2020 21:38:51



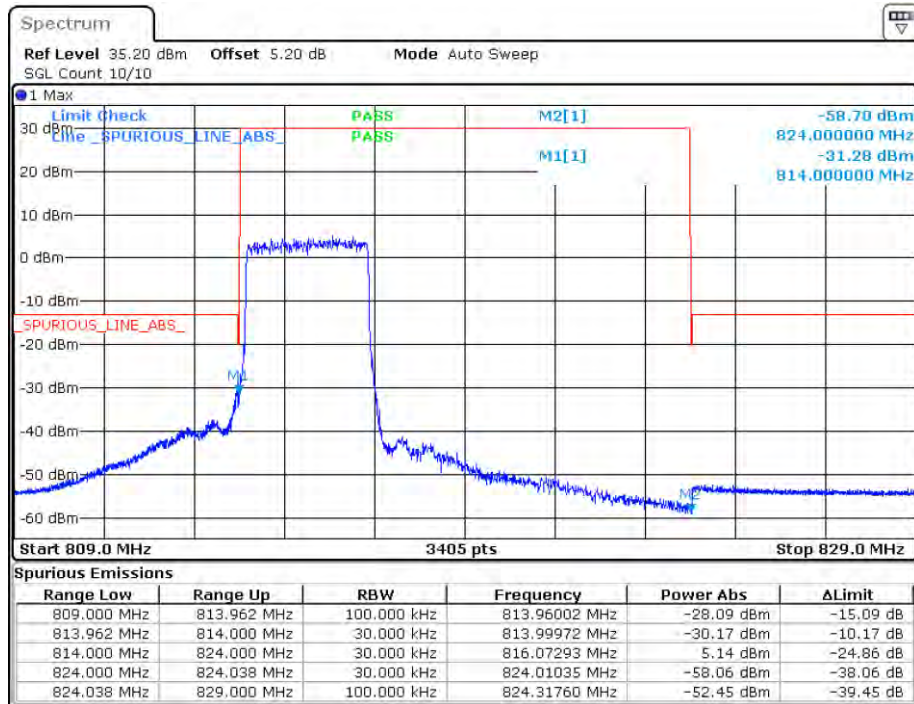
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Band26-3MHz-QPSK-26705-15RB#0



Date: 22.SEP.2020 21:41:25

Band26-3MHz-16QAM-26705-15RB#0

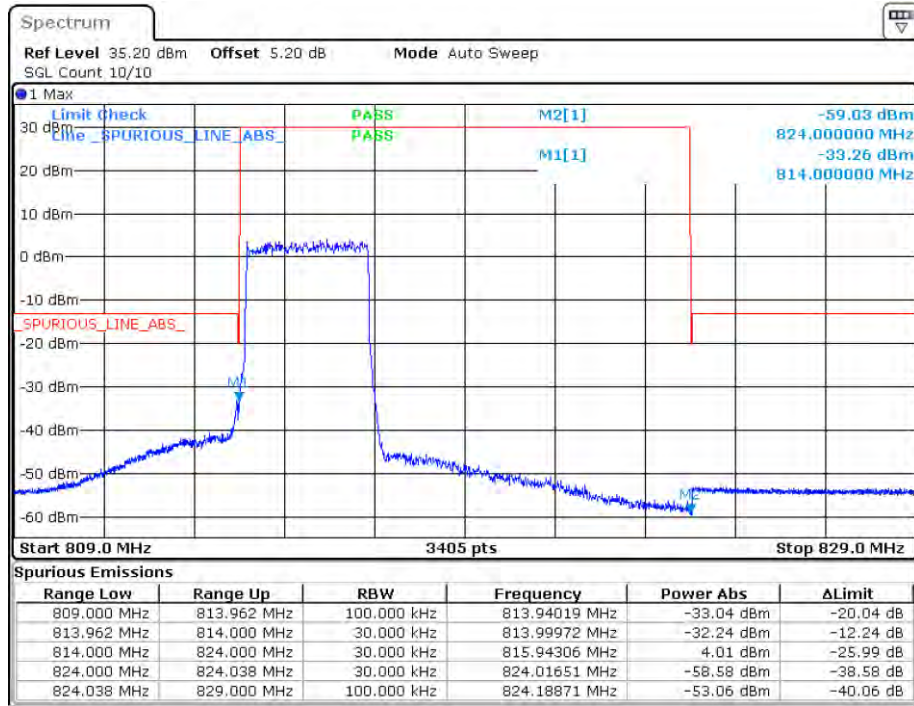


Date: 22.SEP.2020 21:42:03



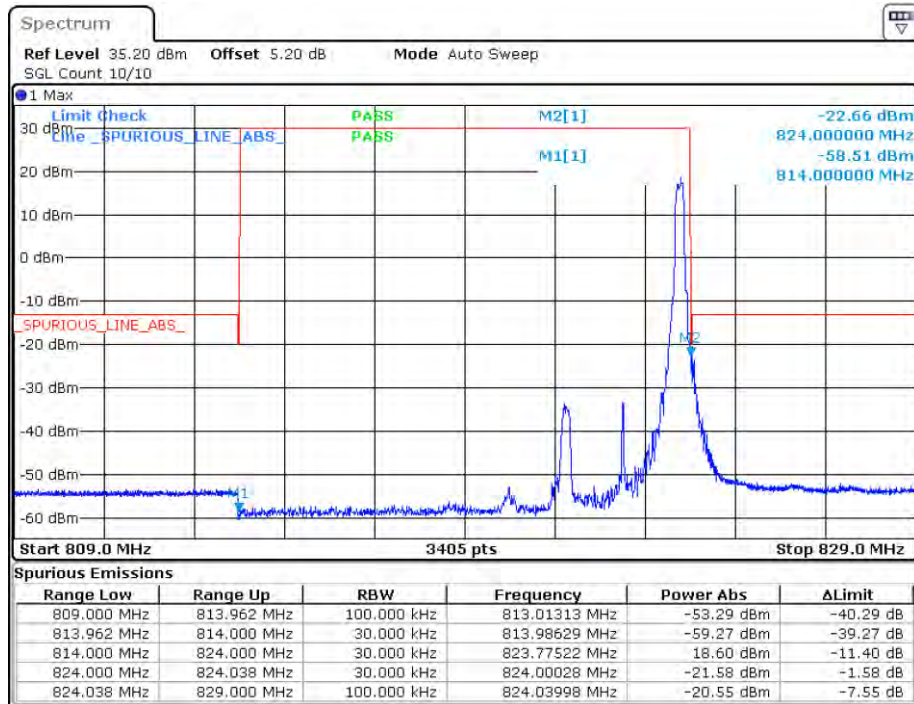
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Band26-3MHz-64QAM-26705-15RB#0



Date: 22.SEP.2020 21:42:41

Band26-3MHz-QPSK-26775-1RB#14

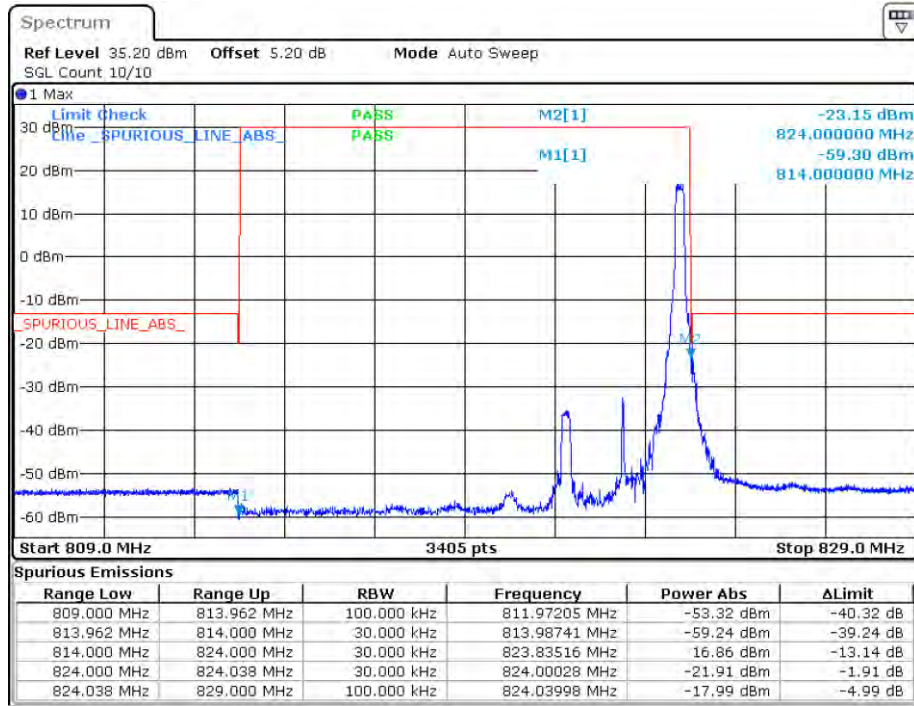


Date: 22.SEP.2020 21:39:30



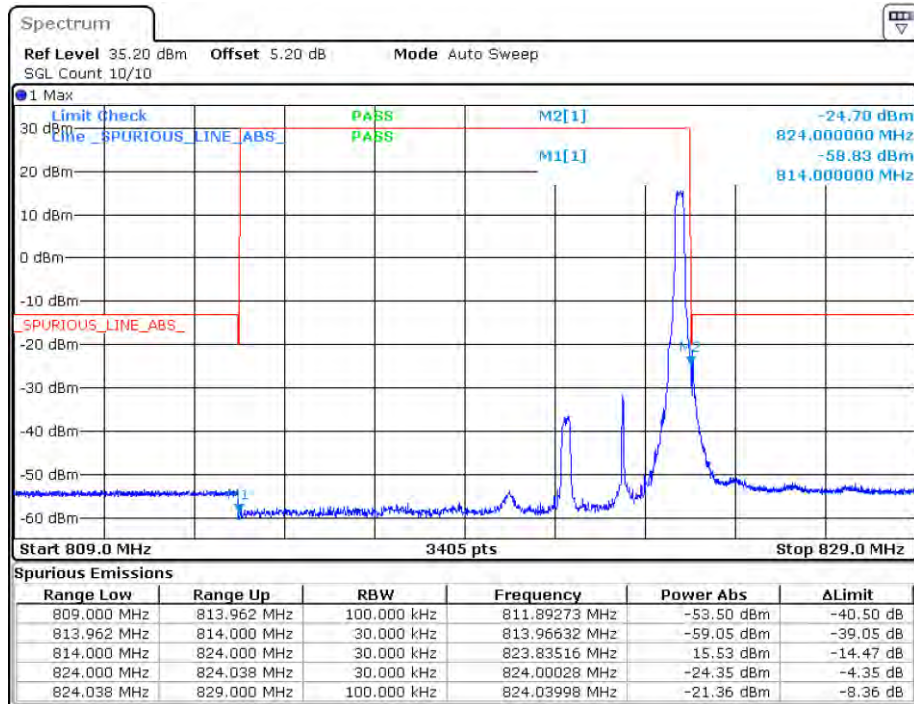
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Band26-3MHz-16QAM-26775-1RB#14



Date: 22.SEP.2020 21:40:08

Band26-3MHz-64QAM-26775-1RB#14

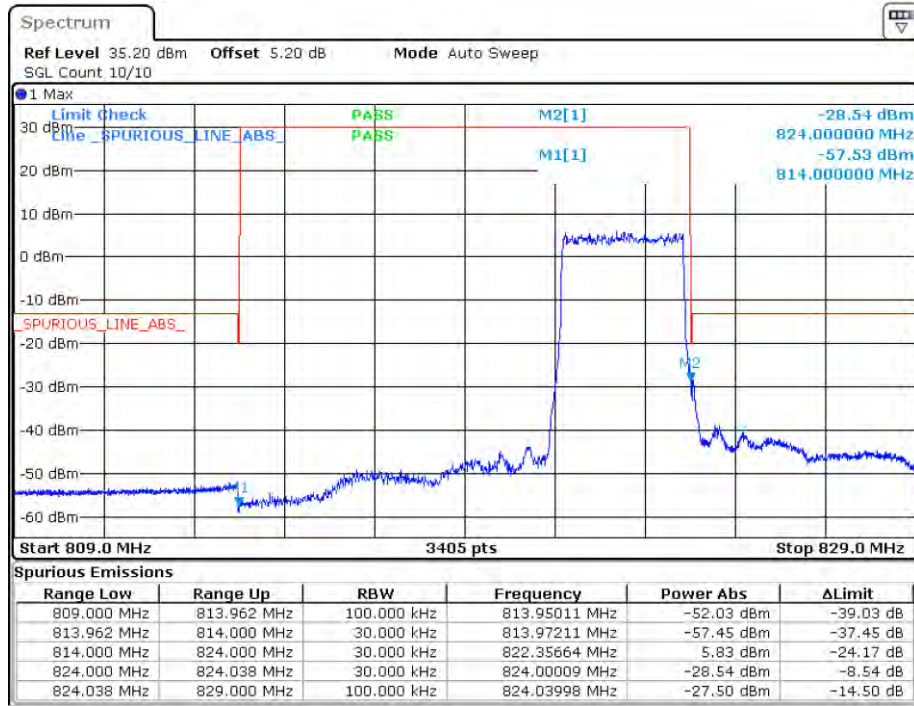


Date: 22.SEP.2020 21:40:46



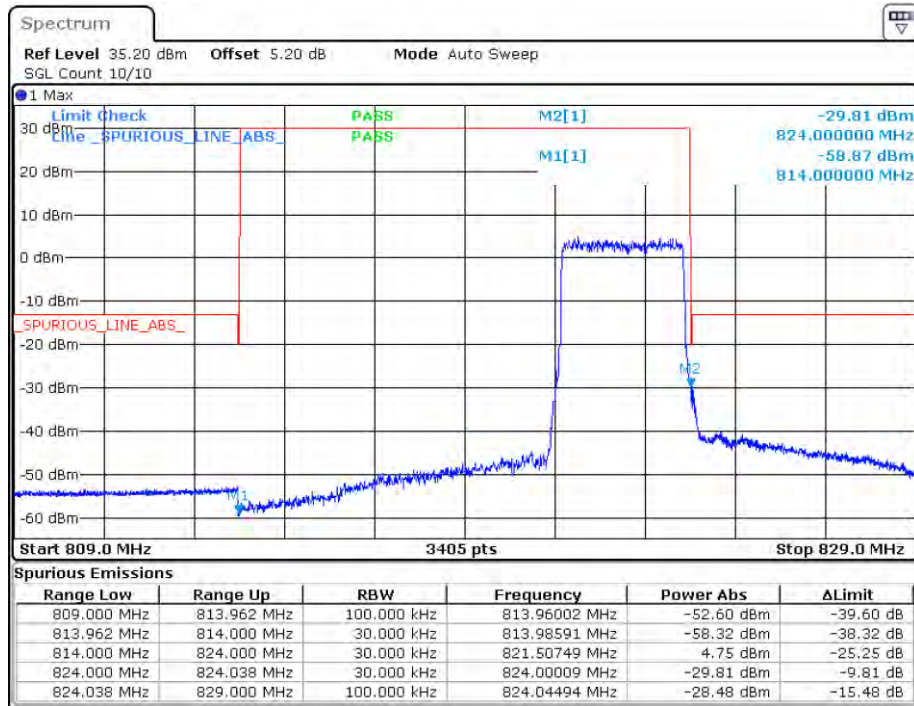
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Band26-3MHz-QPSK-26775-15RB#0



Date: 22.SEP.2020 21:43:20

Band26-3MHz-16QAM-26775-15RB#0

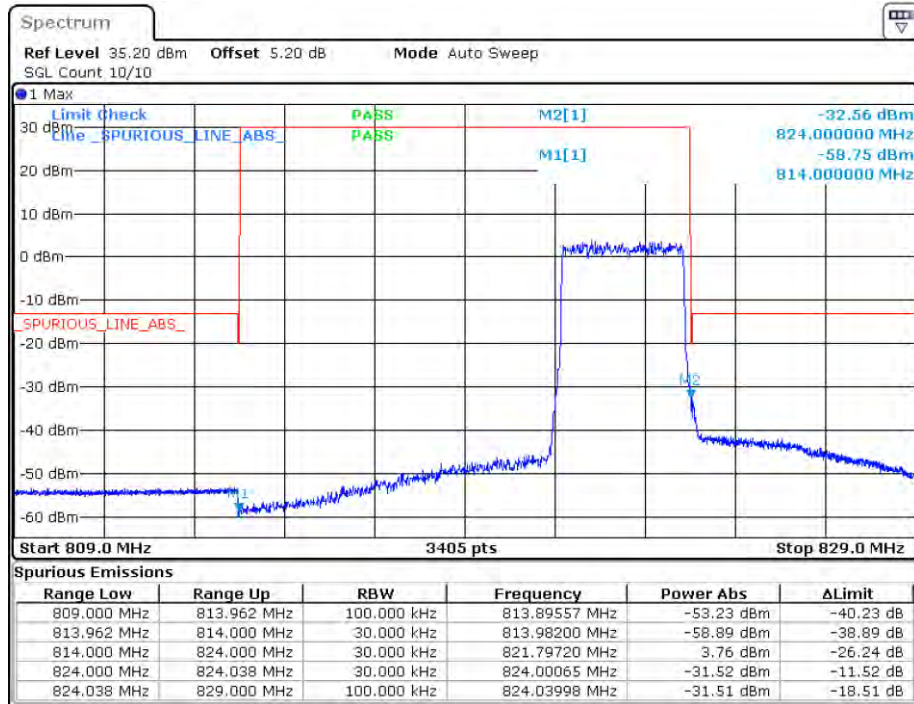


Date: 22.SEP.2020 21:43:58



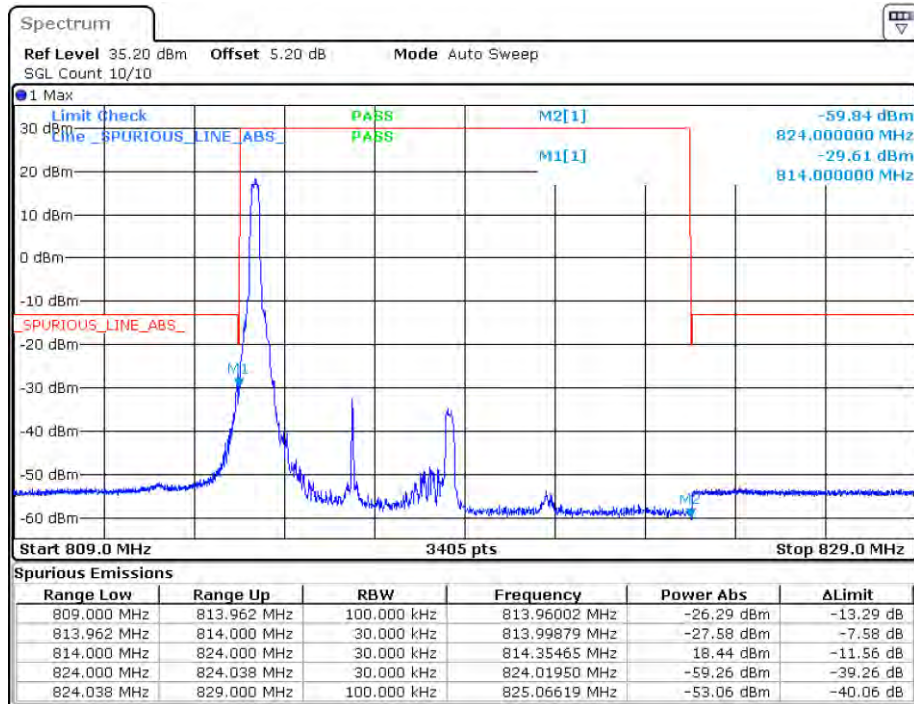
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Band26-3MHz-64QAM-26775-15RB#0



Date: 22.SEP.2020 21:44:36

Band26-5MHz-QPSK-26715-1RB#0

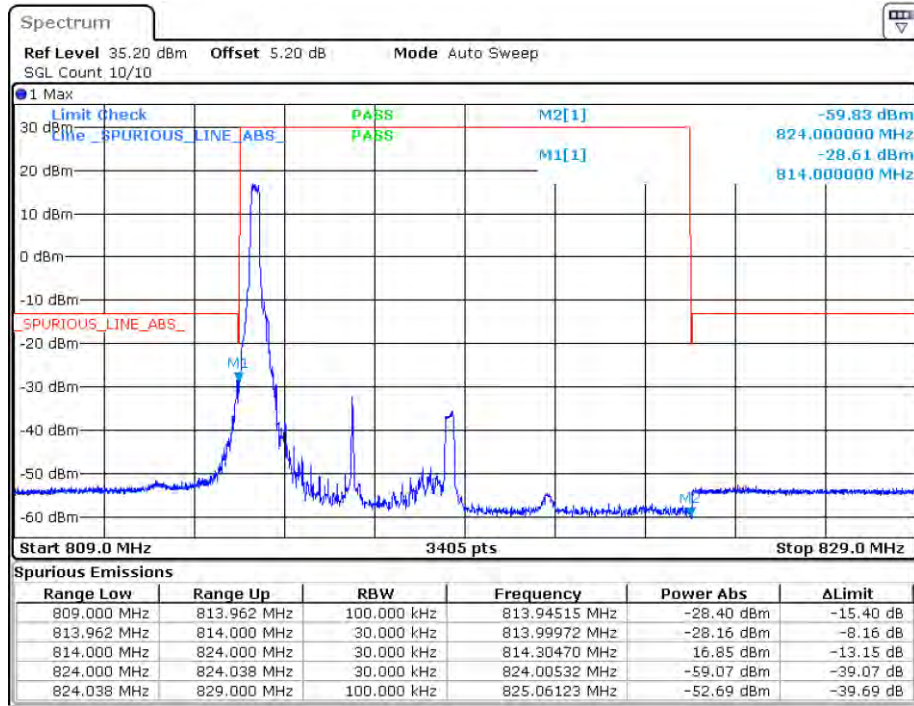


Date: 22.SEP.2020 21:45:17



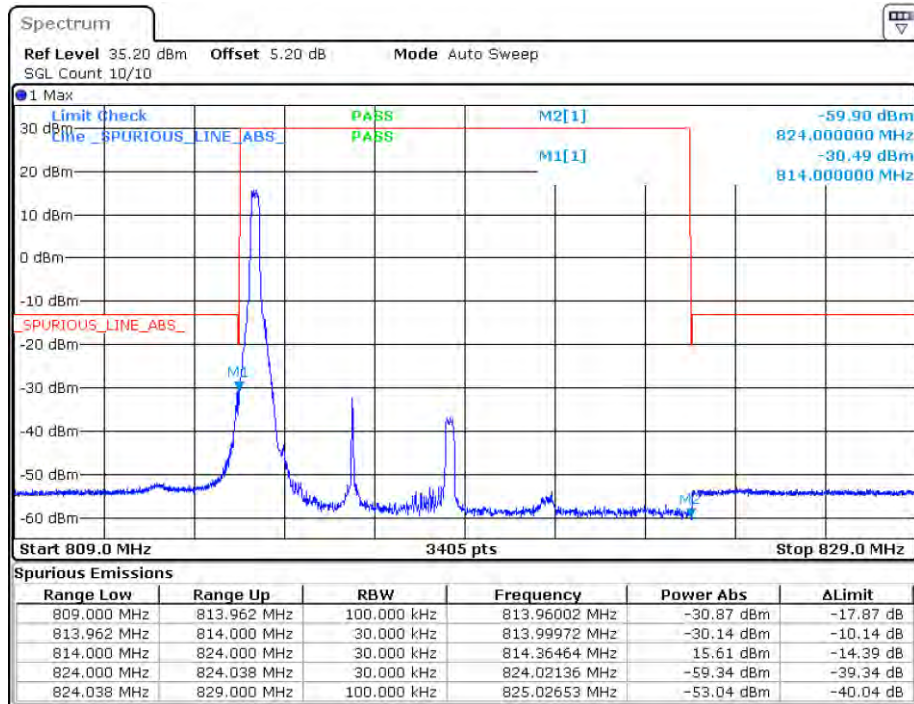
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Band26-5MHz-16QAM-26715-1RB#0



Date: 22.SEP.2020 21:45:55

Band26-5MHz-64QAM-26715-1RB#0

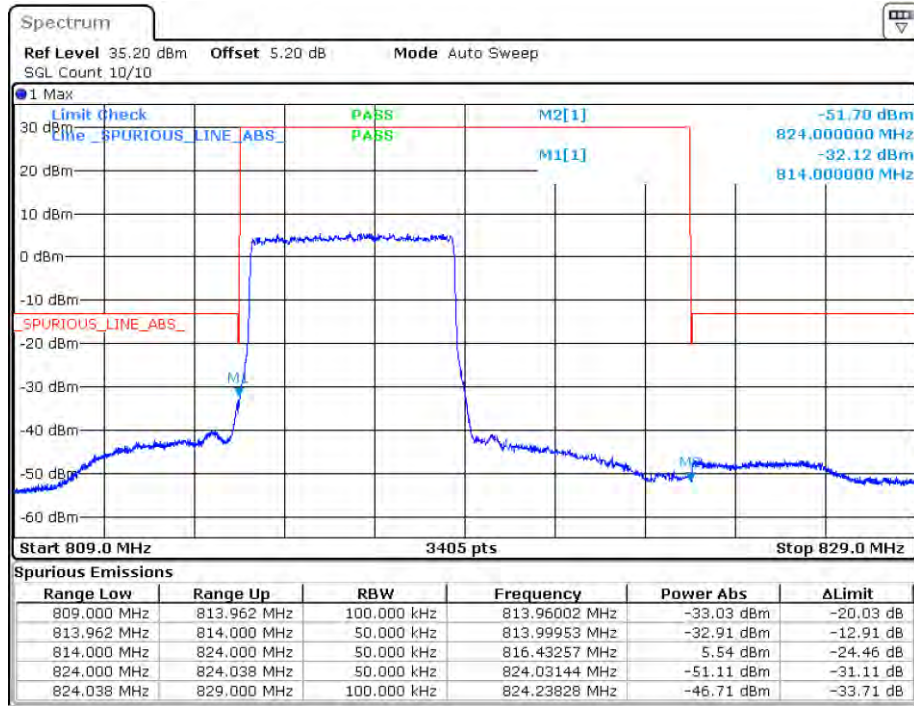


Date: 22.SEP.2020 21:46:33



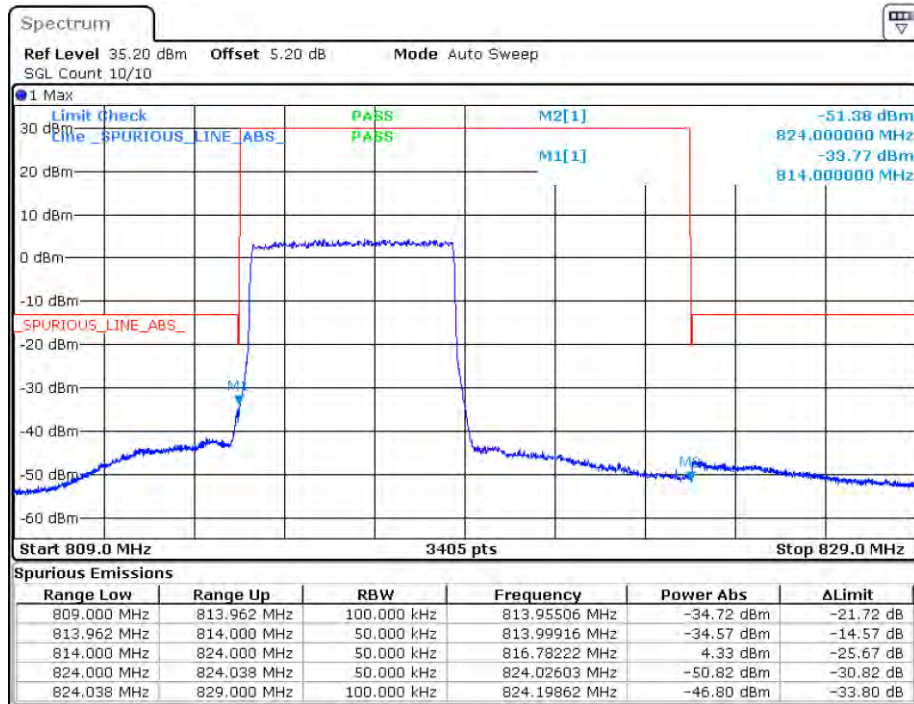
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Band26-5MHz-QPSK-26715-25RB#0



Date: 22.SEP.2020 21:49:07

Band26-5MHz-16QAM-26715-25RB#0

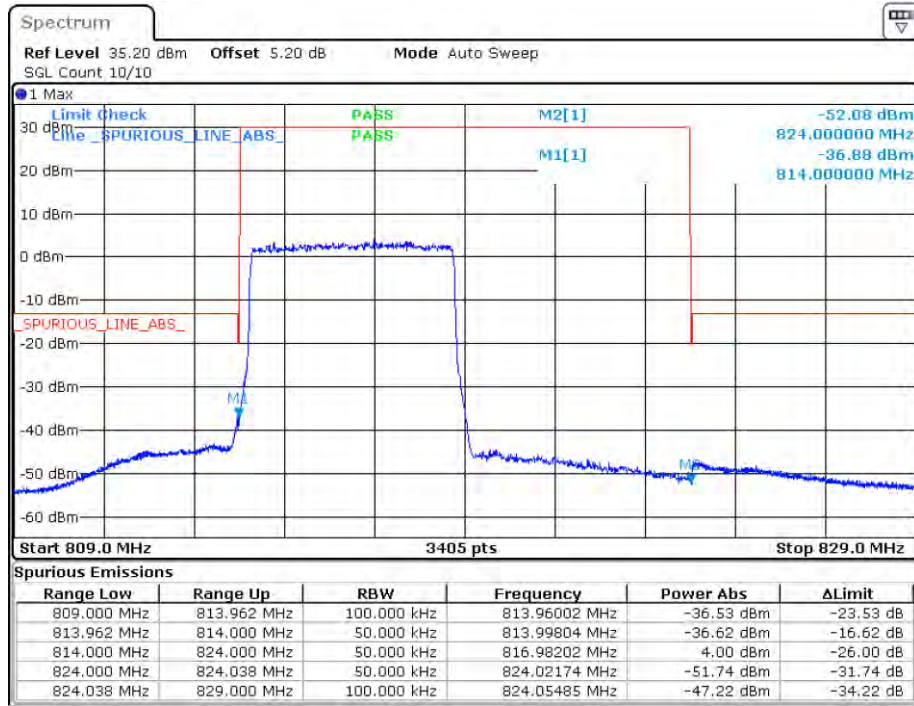


Date: 22.SEP.2020 21:49:45



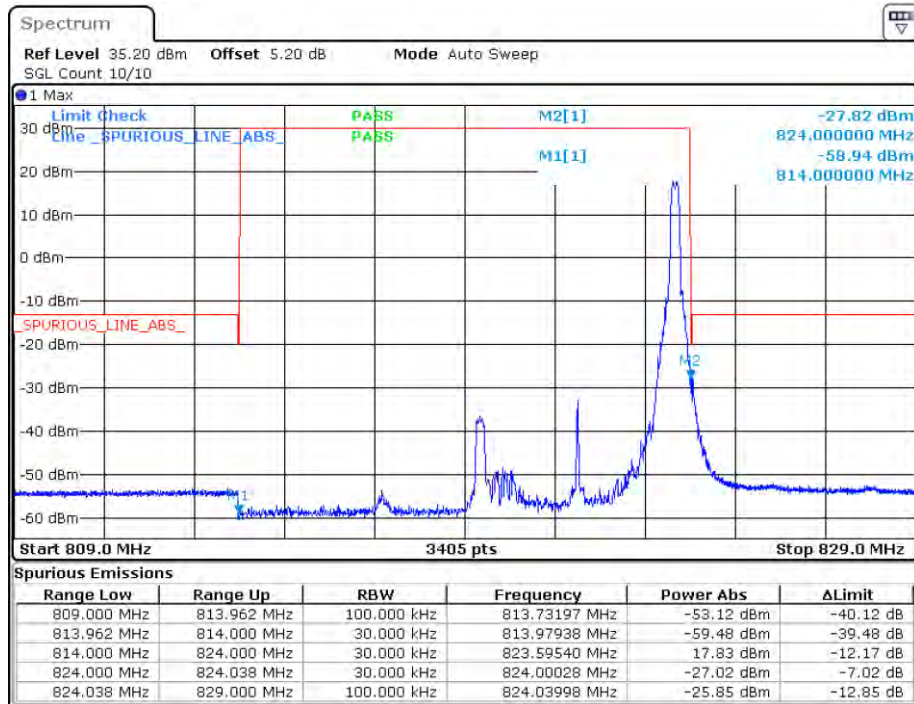
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Band26-5MHz-64QAM-26715-25RB#0



Date: 22.SEP.2020 21:50:23

Band26-5MHz-QPSK-26765-1RB#24

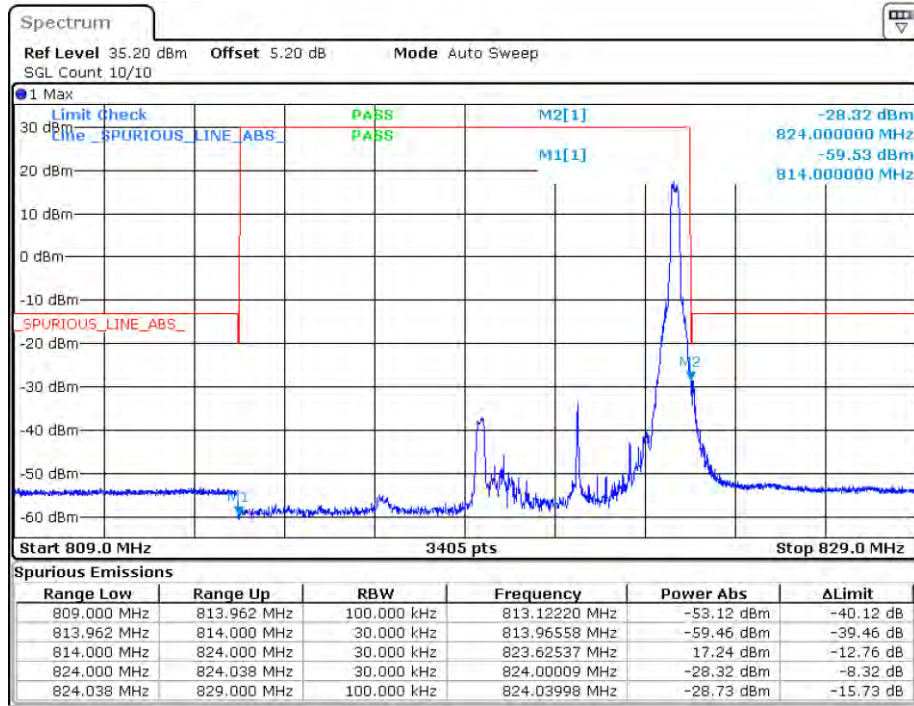


Date: 22.SEP.2020 21:47:12



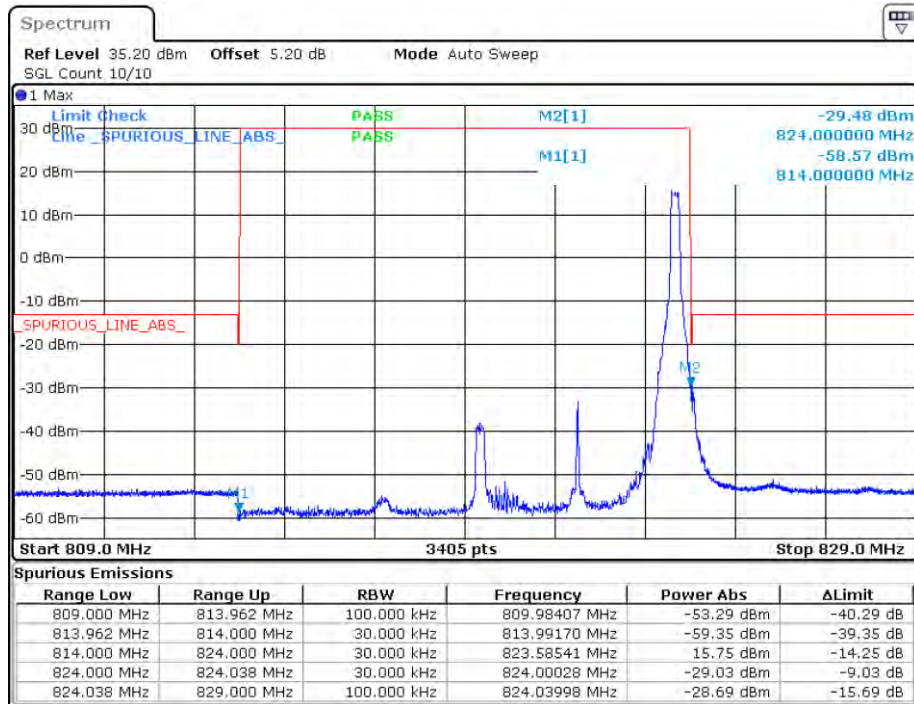
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Band26-5MHz-16QAM-26765-1RB#24



Date: 22.SEP.2020 21:47:50

Band26-5MHz-64QAM-26765-1RB#24

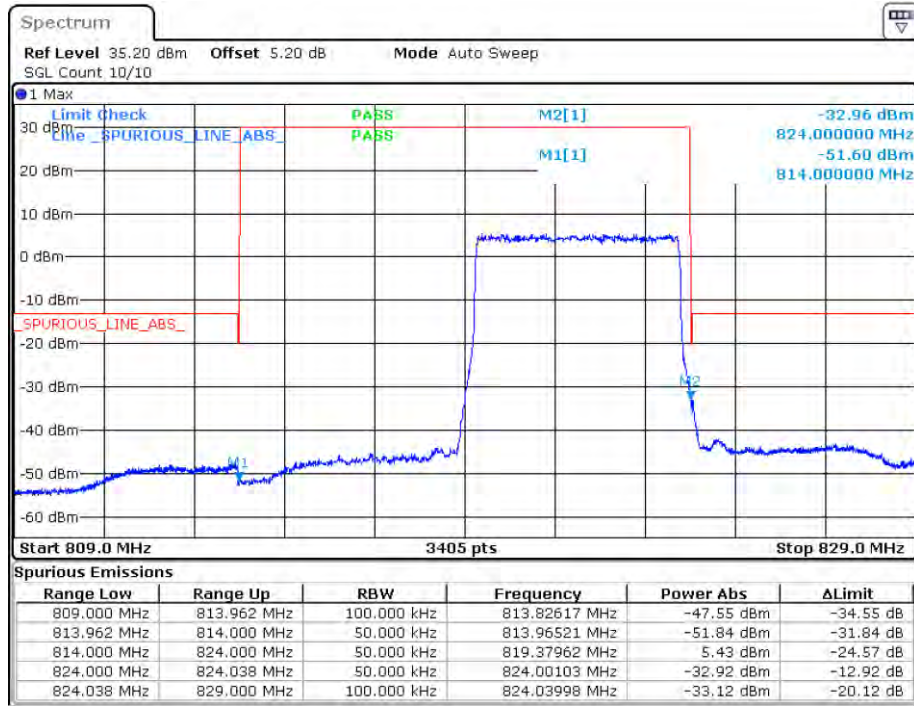


Date: 22.SEP.2020 21:48:28



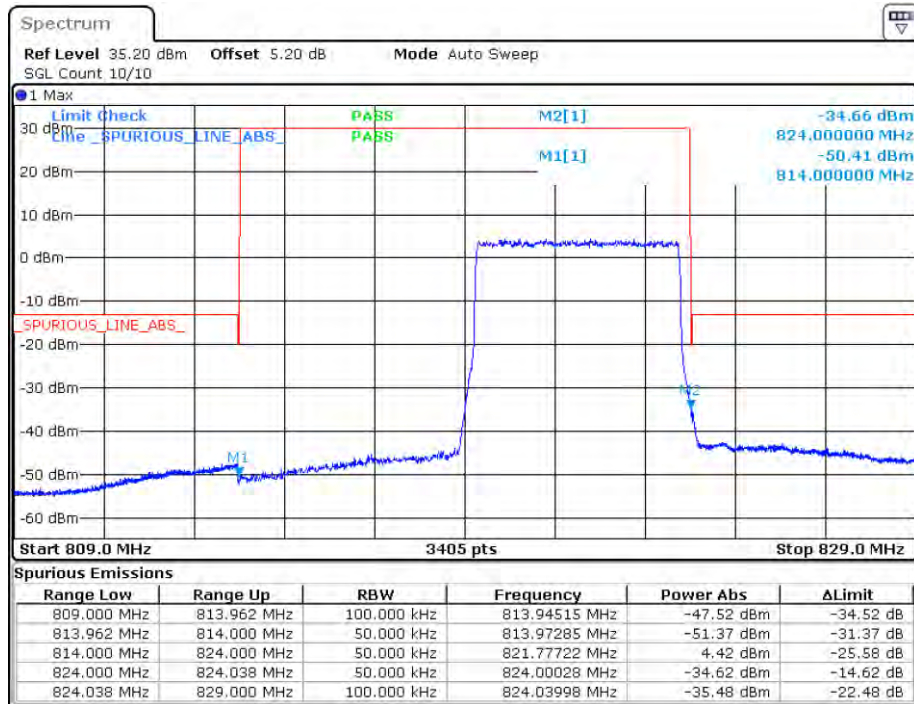
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Band26-5MHz-QPSK-26765-25RB#0



Date: 22.SEP.2020 21:51:02

Band26-5MHz-16QAM-26765-25RB#0

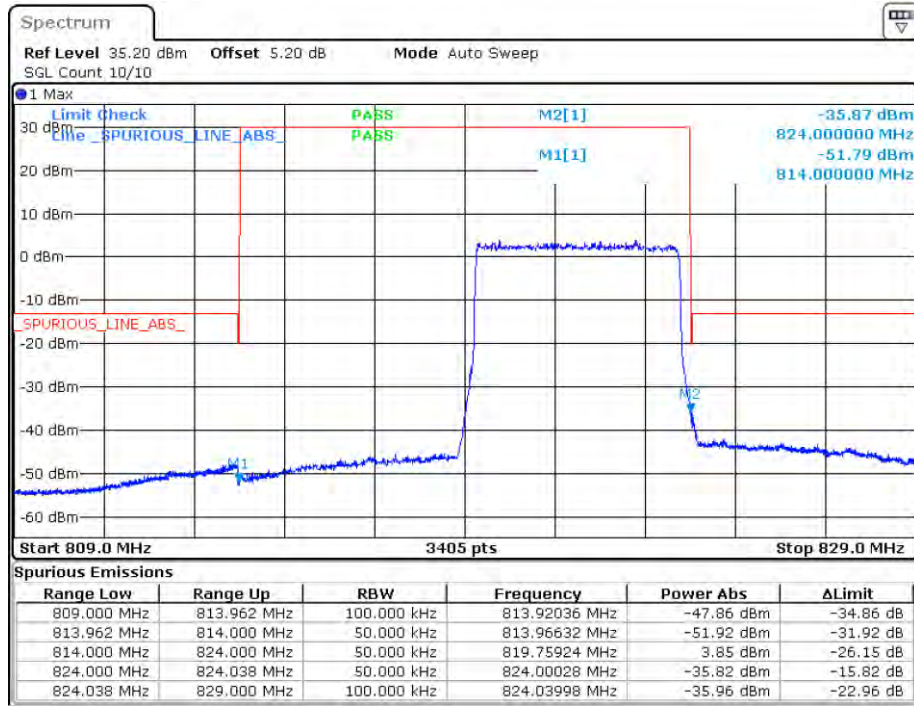


Date: 22.SEP.2020 21:51:40



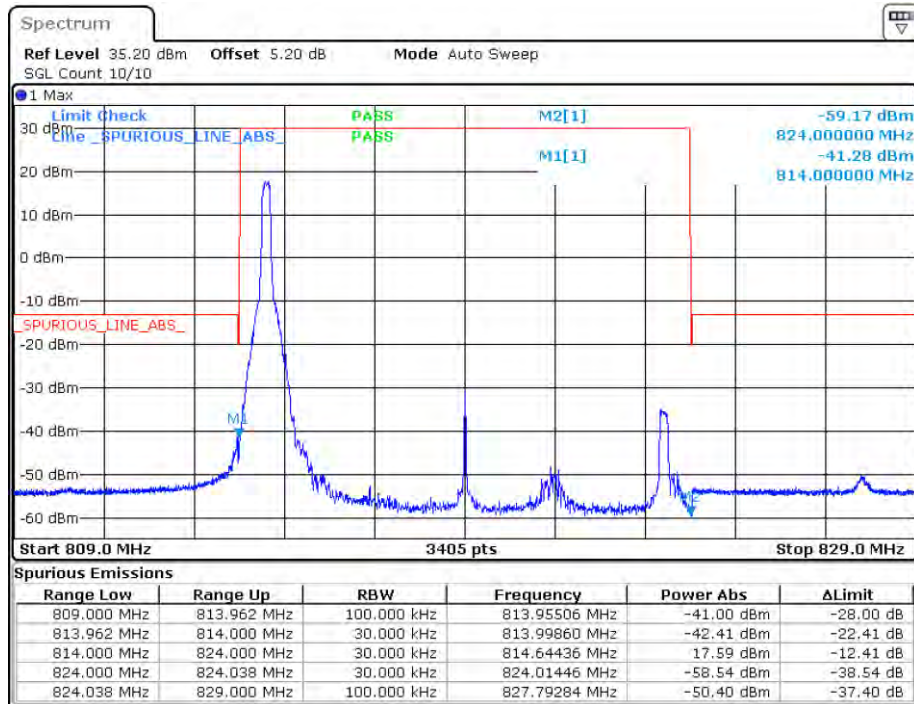
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Band26-5MHz-64QAM-26765-25RB#0



Date: 22.SEP.2020 21:52:18

Band26-10MHz-QPSK-26740-1RB#0

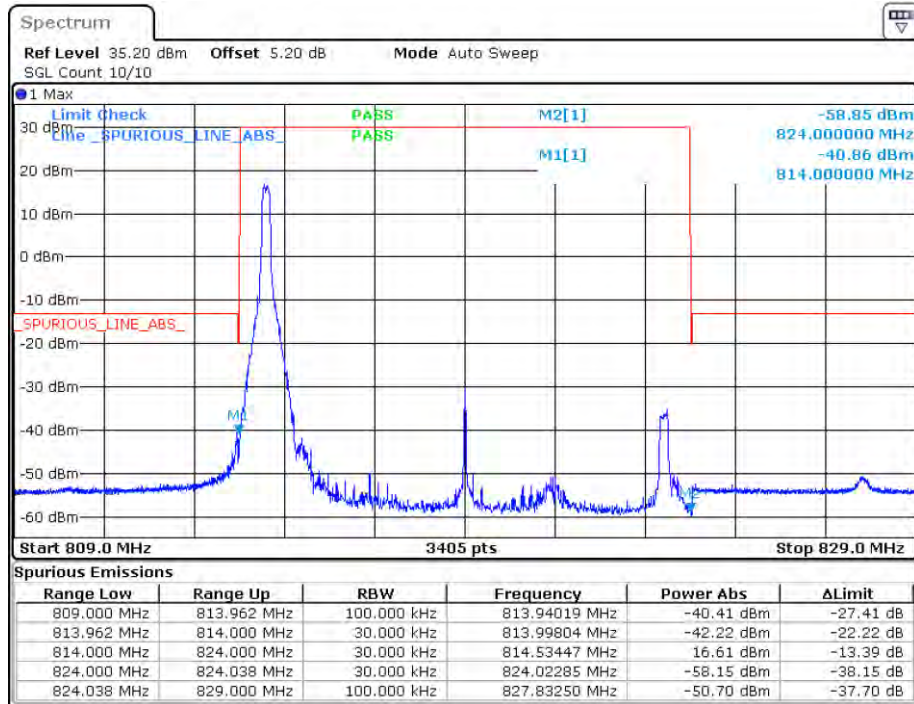


Date: 22.SEP.2020 21:52:58



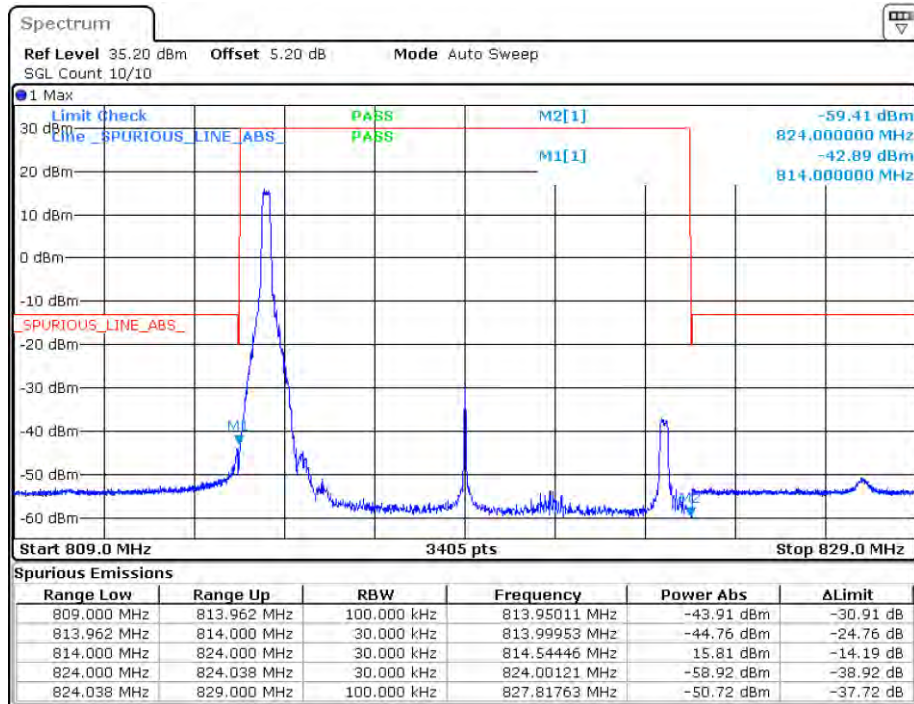
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Band26-10MHz-16QAM-26740-1RB#0



Date: 22.SEP.2020 21:54:14

Band26-10MHz-64QAM-26740-1RB#0

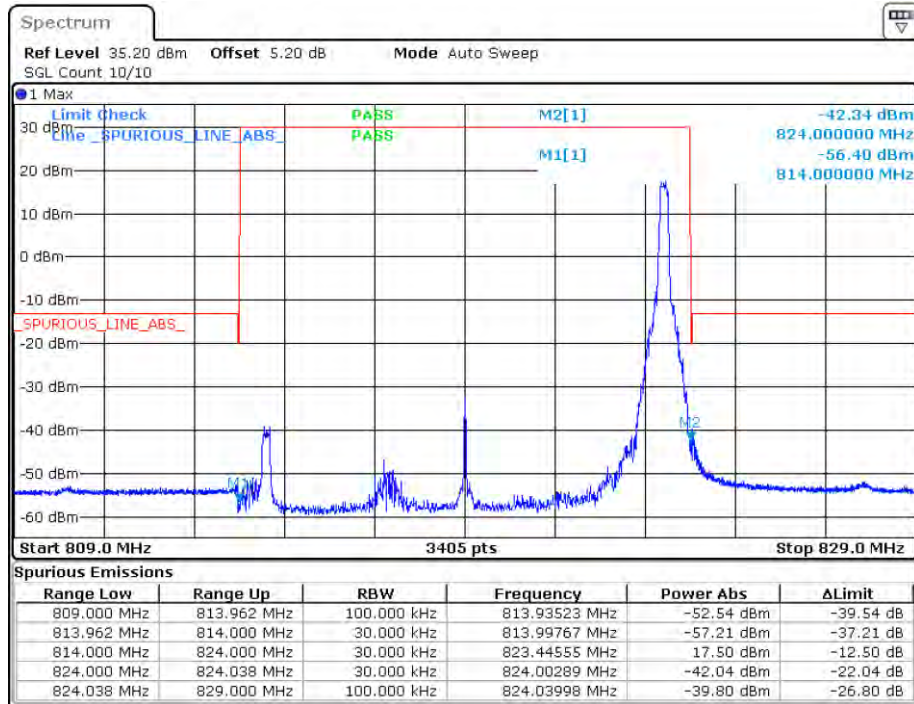


Date: 22.SEP.2020 21:55:30



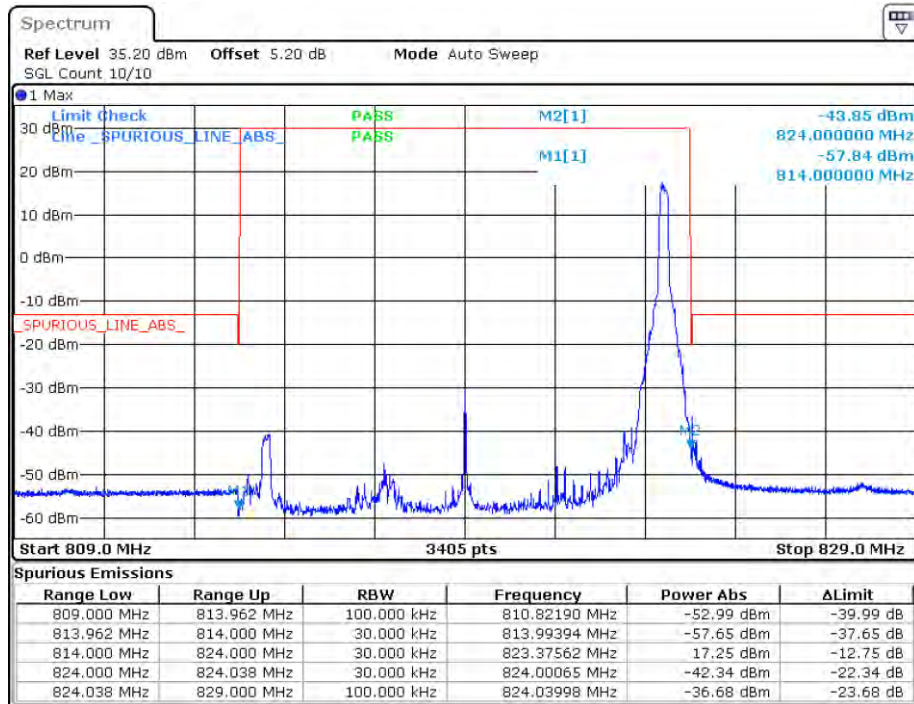
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Band26-10MHz-QPSK-26740-1RB#49



Date: 22.SEP.2020 21:53:36

Band26-10MHz-16QAM-26740-1RB#49

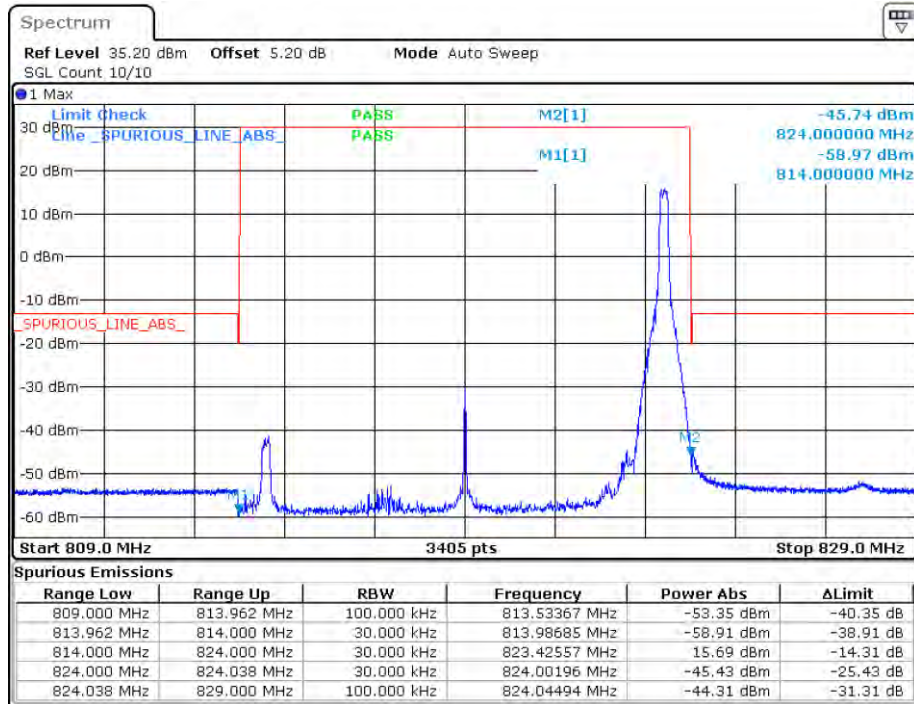


Date: 22.SEP.2020 21:54:52



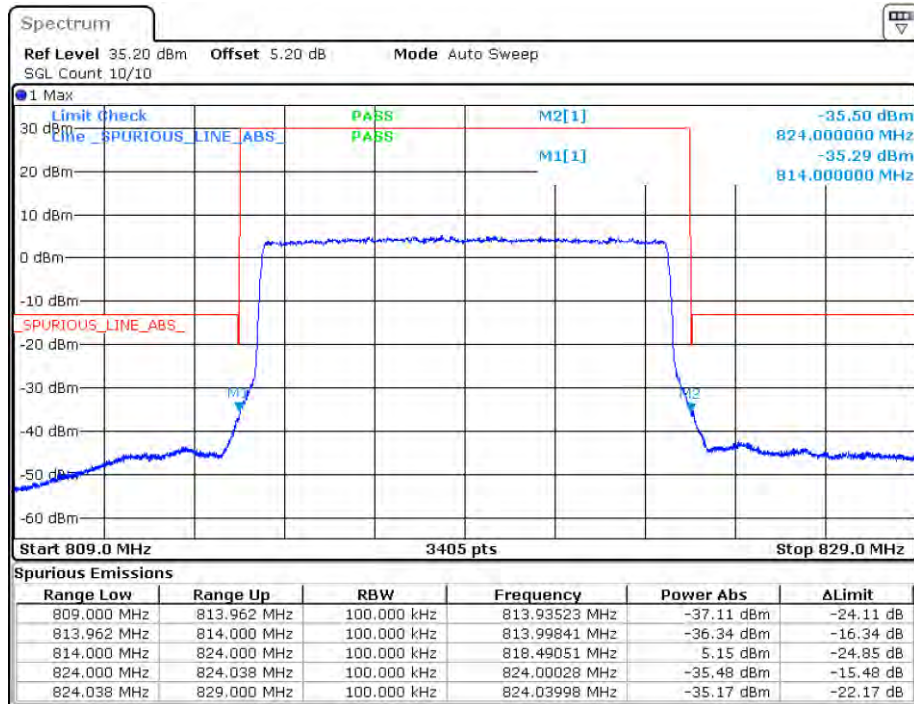
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Band26-10MHz-64QAM-26740-1RB#49



Date: 22.SEP.2020 21:56:09

Band26-10MHz-QPSK-26740-50RB#0

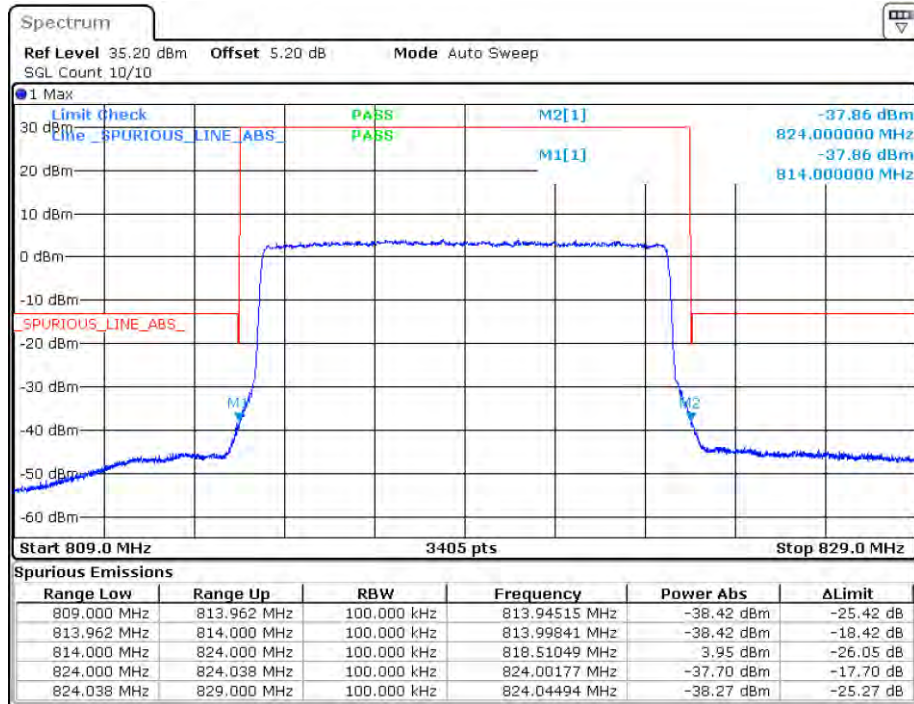


Date: 22.SEP.2020 21:56:48



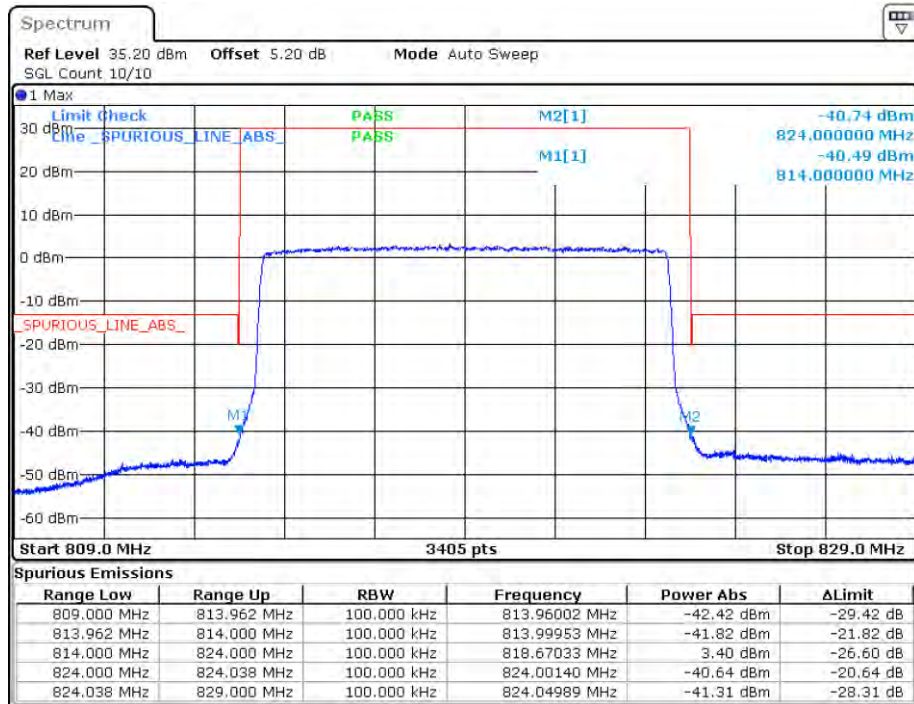
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Band26-10MHz-16QAM-26740-50RB#0



Date: 22.SEP.2020 21:57:26

Band26-10MHz-64QAM-26740-50RB#0



Date: 22.SEP.2020 21:58:04



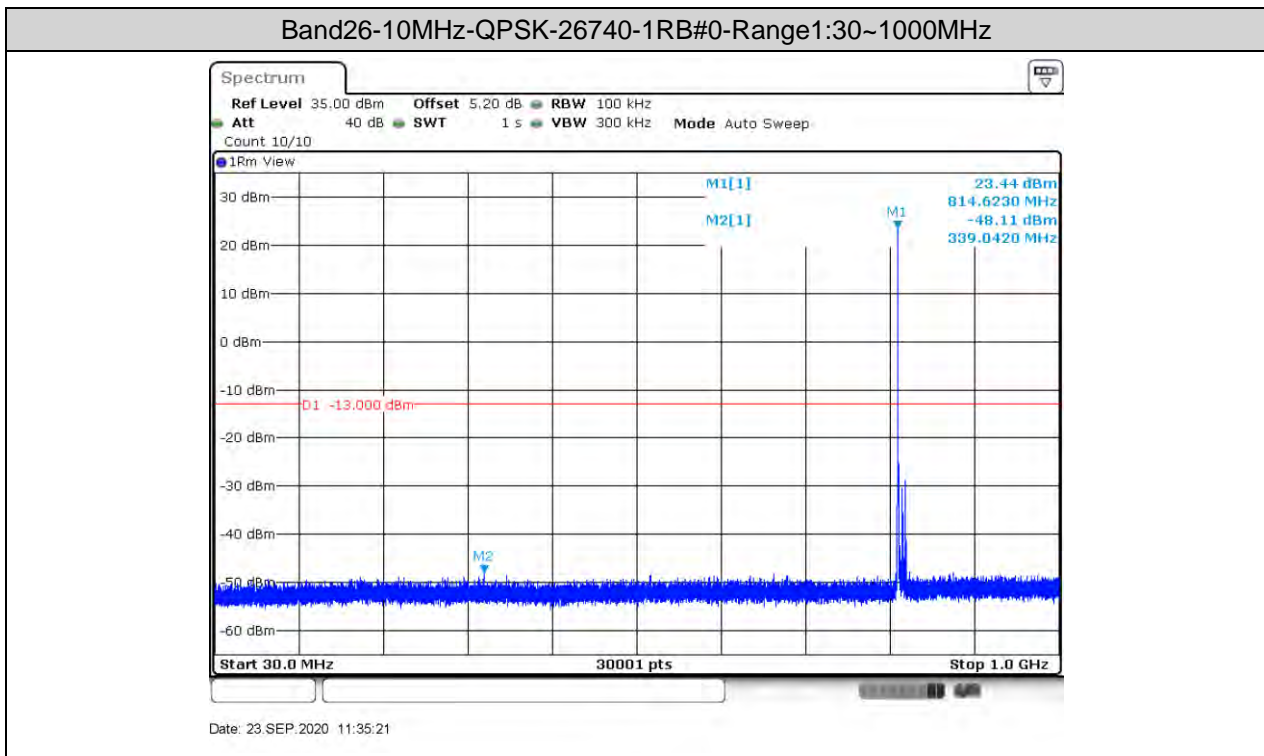
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6 Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

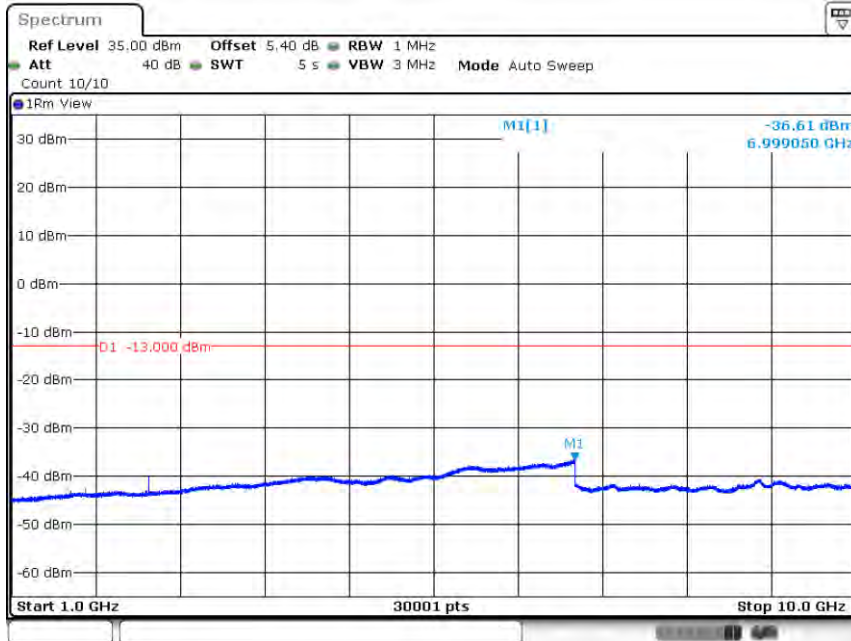
Remark2: only the worst case data displayed in this report.

6.1 Test Plots



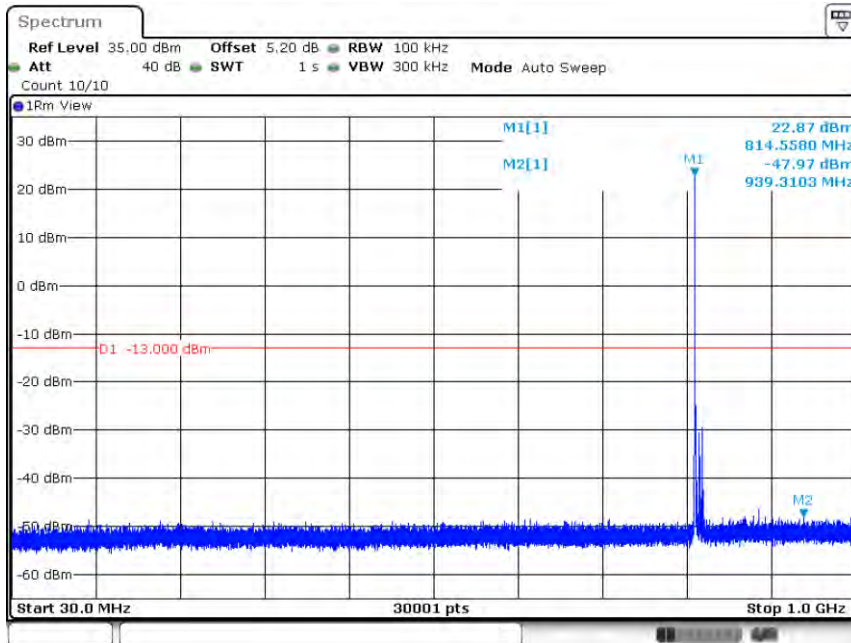
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Band26-10MHz-QPSK-26740-1RB#0-Range2:1000~10000MHz



Date: 23.SEP.2020 11:36:29

Band26-10MHz-16QAM-26740-1RB#0-Range1:30~1000MHz



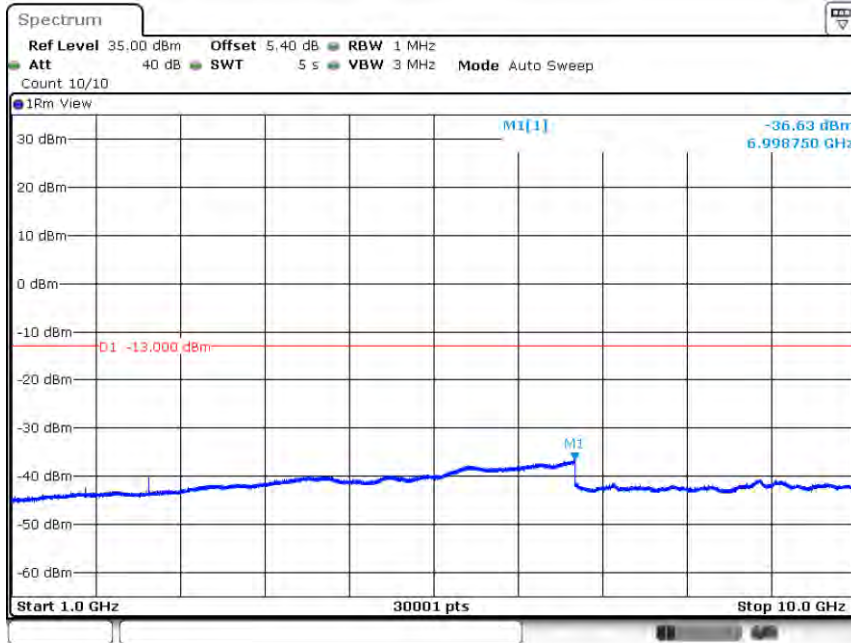
Date: 23.SEP.2020 11:36:51



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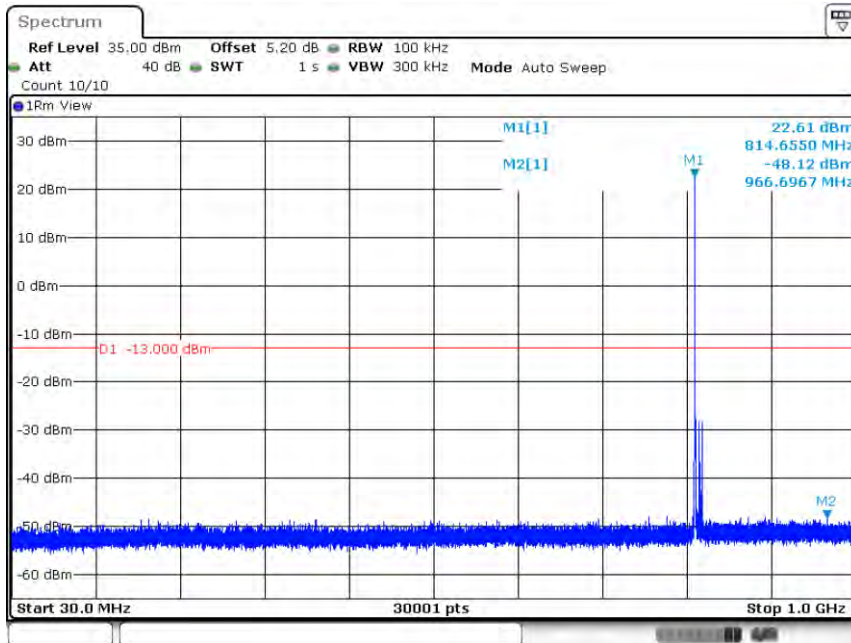


Band26-10MHz-16QAM-26740-1RB#0-Range2:1000~10000MHz



Date: 23.SEP.2020 11:37:59

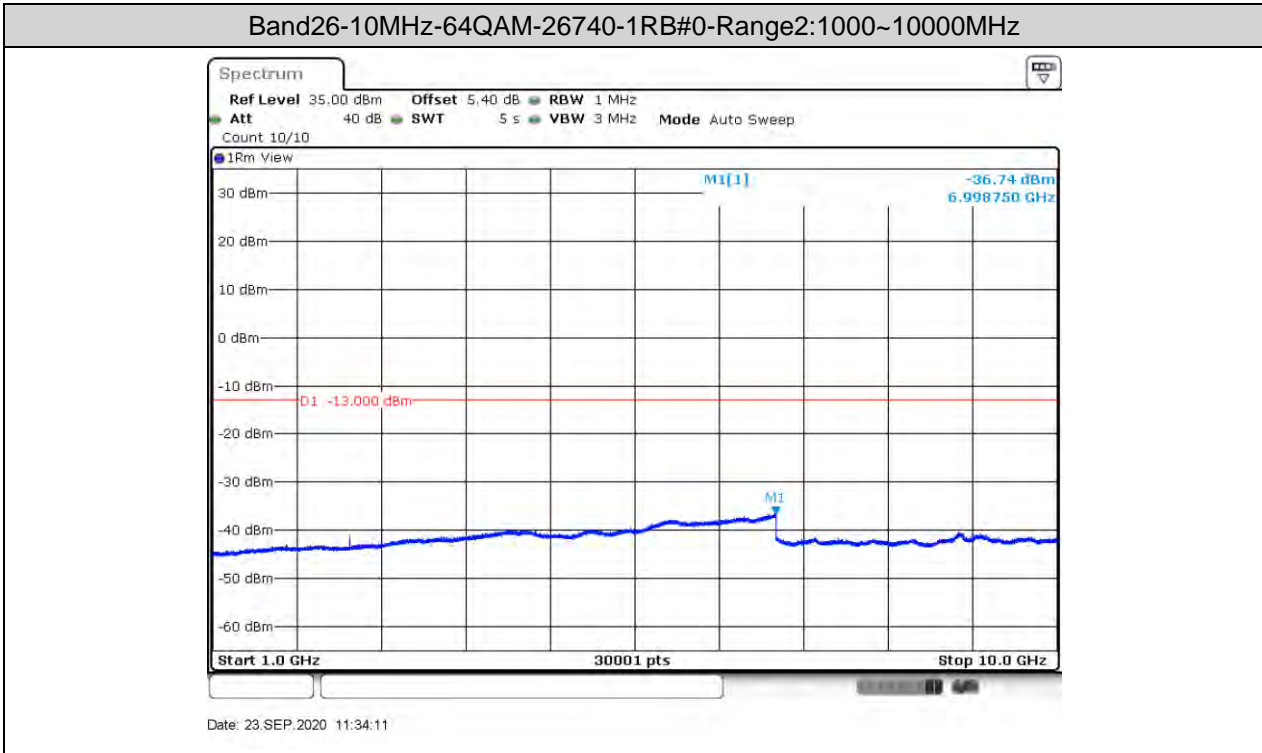
Band26-10MHz-64QAM-26740-1RB#0-Range1:30~1000MHz



Date: 23.SEP.2020 11:33:03



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7 Field Strength of Spurious Radiation

7.1 Test Mode =LTE/TM1 10MHz

7.1.1 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.620000	-73.65	-13.00	60.65	Vertical
315.133333	-82.38	-13.00	69.38	Vertical
674.675000	-76.21	-13.00	63.21	Vertical
1629.000000	-62.44	-13.00	49.44	Vertical
2444.000000	-57.36	-13.00	44.36	Vertical
4072.500000	-57.96	-13.00	44.96	Vertical
56.413333	-73.49	-13.00	60.49	Horizontal
186.193333	-82.55	-13.00	69.55	Horizontal
474.658333	-78.12	-13.00	65.12	Horizontal
1629.000000	-63.81	-13.00	50.81	Horizontal
2443.500000	-57.64	-13.00	44.64	Horizontal
4072.500000	-54.87	-13.00	41.87	Horizontal

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.



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8 Frequency Stability

8.1 Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage					
					Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	VL	NT	11.10	0.013553	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	VN	NT	8.10	0.009890	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	VH	NT	6.80	0.008303	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	VL	NT	18.30	0.022344	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	VN	NT	9.60	0.011722	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	VH	NT	5.00	0.006105	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	VL	NT	17.10	0.020879	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	VN	NT	21.00	0.025641	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	VH	NT	32.10	0.039194	±2.5	PASS

8.2 Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Temperature					
					Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	NV	-30	13.20	0.016117	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	-20	17.00	0.020757	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	-10	15.30	0.018681	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	0	8.80	0.010745	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	10	14.60	0.017827	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	20	12.20	0.014896	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	30	13.20	0.016117	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	40	11.10	0.013553	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	50	11.80	0.014408	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	-30	8.00	0.009768	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	-20	11.40	0.013919	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	-10	13.90	0.016972	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	0	16.00	0.019536	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	10	16.70	0.020391	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	20	12.40	0.015140	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	30	5.40	0.006593	±2.5	PASS



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Band26	10MHz	16QAM	26740	50RB#0	NV	40	9.80	0.011966	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	50	10.20	0.012454	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	NV	-30	32.80	0.040049	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	NV	-20	33.30	0.040659	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	NV	-10	24.30	0.029670	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	NV	0	16.20	0.019780	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	NV	10	20.10	0.024542	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	NV	20	29.90	0.036508	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	NV	30	25.40	0.031013	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	NV	40	40.70	0.049695	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	NV	50	21.60	0.026374	±2.5	PASS

The End



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