



Appendix B

E-UTRA Band 26 (814-824)



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#2	23.69	PASS
Band26	1.4MHz	QPSK	26697	1RB#5	23.63	PASS
Band26	1.4MHz	QPSK	26697	1RB#0	23.66	PASS
Band26	1.4MHz	QPSK	26697	3RB#1	23.79	PASS
Band26	1.4MHz	QPSK	26697	3RB#3	23.75	PASS
Band26	1.4MHz	QPSK	26697	3RB#0	23.71	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	22.82	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	23.52	PASS
Band26	1.4MHz	QPSK	26740	1RB#2	23.63	PASS
Band26	1.4MHz	QPSK	26740	1RB#5	23.62	PASS
Band26	1.4MHz	QPSK	26740	3RB#3	23.61	PASS
Band26	1.4MHz	QPSK	26740	3RB#0	23.66	PASS
Band26	1.4MHz	QPSK	26740	3RB#1	23.64	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	22.72	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	23.61	PASS
Band26	1.4MHz	QPSK	26783	1RB#2	23.65	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	23.54	PASS
Band26	1.4MHz	QPSK	26783	3RB#3	23.63	PASS
Band26	1.4MHz	QPSK	26783	3RB#0	23.63	PASS
Band26	1.4MHz	QPSK	26783	3RB#1	23.66	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	22.68	PASS
Band26	1.4MHz	64QAM	26697	1RB#2	21.92	PASS
Band26	1.4MHz	64QAM	26697	1RB#5	21.83	PASS
Band26	1.4MHz	64QAM	26697	1RB#0	21.91	PASS
Band26	1.4MHz	64QAM	26697	3RB#0	21.86	PASS
Band26	1.4MHz	64QAM	26697	3RB#1	21.95	PASS
Band26	1.4MHz	64QAM	26697	3RB#3	21.87	PASS



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Band26	1.4MHz	64QAM	26697	6RB#0	20.82	PASS
Band26	1.4MHz	64QAM	26740	1RB#0	21.75	PASS
Band26	1.4MHz	64QAM	26740	1RB#2	21.91	PASS
Band26	1.4MHz	64QAM	26740	1RB#5	21.80	PASS
Band26	1.4MHz	64QAM	26740	3RB#0	21.83	PASS
Band26	1.4MHz	64QAM	26740	3RB#3	21.83	PASS
Band26	1.4MHz	64QAM	26740	3RB#1	21.84	PASS
Band26	1.4MHz	64QAM	26740	6RB#0	20.74	PASS
Band26	1.4MHz	64QAM	26783	1RB#2	21.80	PASS
Band26	1.4MHz	64QAM	26783	1RB#0	21.69	PASS
Band26	1.4MHz	64QAM	26783	1RB#5	21.86	PASS
Band26	1.4MHz	64QAM	26783	3RB#3	21.77	PASS
Band26	1.4MHz	64QAM	26783	3RB#1	21.82	PASS
Band26	1.4MHz	64QAM	26783	3RB#0	21.82	PASS
Band26	1.4MHz	64QAM	26783	6RB#0	20.77	PASS
Band26	1.4MHz	16QAM	26697	1RB#2	23.04	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	22.99	PASS
Band26	1.4MHz	16QAM	26697	1RB#5	22.94	PASS
Band26	1.4MHz	16QAM	26697	3RB#1	22.95	PASS
Band26	1.4MHz	16QAM	26697	3RB#3	22.84	PASS
Band26	1.4MHz	16QAM	26697	3RB#0	22.88	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	21.91	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	22.83	PASS
Band26	1.4MHz	16QAM	26740	1RB#2	23.02	PASS
Band26	1.4MHz	16QAM	26740	1RB#5	22.88	PASS
Band26	1.4MHz	16QAM	26740	3RB#0	22.78	PASS
Band26	1.4MHz	16QAM	26740	3RB#1	22.87	PASS
Band26	1.4MHz	16QAM	26740	3RB#3	22.83	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	21.78	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	22.85	PASS
Band26	1.4MHz	16QAM	26783	1RB#2	22.91	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	22.85	PASS
Band26	1.4MHz	16QAM	26783	3RB#0	22.78	PASS



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Band26	1.4MHz	16QAM	26783	3RB#1	22.78	PASS
Band26	1.4MHz	16QAM	26783	3RB#3	22.72	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	21.75	PASS
Band26	3MHz	QPSK	26705	1RB#0	23.78	PASS
Band26	3MHz	QPSK	26705	1RB#8	23.86	PASS
Band26	3MHz	QPSK	26705	1RB#14	23.72	PASS
Band26	3MHz	QPSK	26705	8RB#7	22.82	PASS
Band26	3MHz	QPSK	26705	8RB#4	22.90	PASS
Band26	3MHz	QPSK	26705	8RB#0	22.86	PASS
Band26	3MHz	QPSK	26705	15RB#0	22.90	PASS
Band26	3MHz	QPSK	26740	1RB#0	23.70	PASS
Band26	3MHz	QPSK	26740	1RB#14	23.70	PASS
Band26	3MHz	QPSK	26740	1RB#8	23.80	PASS
Band26	3MHz	QPSK	26740	8RB#7	22.75	PASS
Band26	3MHz	QPSK	26740	8RB#4	22.86	PASS
Band26	3MHz	QPSK	26740	8RB#0	22.80	PASS
Band26	3MHz	QPSK	26740	15RB#0	22.85	PASS
Band26	3MHz	QPSK	26775	1RB#8	23.74	PASS
Band26	3MHz	QPSK	26775	1RB#14	23.69	PASS
Band26	3MHz	QPSK	26775	1RB#0	23.67	PASS
Band26	3MHz	QPSK	26775	8RB#7	22.75	PASS
Band26	3MHz	QPSK	26775	8RB#4	22.81	PASS
Band26	3MHz	QPSK	26775	8RB#0	22.80	PASS
Band26	3MHz	QPSK	26775	15RB#0	22.78	PASS
Band26	3MHz	64QAM	26705	1RB#0	21.95	PASS
Band26	3MHz	64QAM	26705	1RB#14	21.91	PASS
Band26	3MHz	64QAM	26705	1RB#8	21.95	PASS
Band26	3MHz	64QAM	26705	8RB#0	20.92	PASS
Band26	3MHz	64QAM	26705	8RB#7	20.92	PASS
Band26	3MHz	64QAM	26705	8RB#4	20.89	PASS
Band26	3MHz	64QAM	26705	15RB#0	20.89	PASS
Band26	3MHz	64QAM	26740	1RB#0	21.88	PASS
Band26	3MHz	64QAM	26740	1RB#8	21.92	PASS



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Band26	3MHz	64QAM	26740	1RB#14	21.92	PASS
Band26	3MHz	64QAM	26740	8RB#0	20.87	PASS
Band26	3MHz	64QAM	26740	8RB#4	20.81	PASS
Band26	3MHz	64QAM	26740	8RB#7	20.81	PASS
Band26	3MHz	64QAM	26740	15RB#0	20.78	PASS
Band26	3MHz	64QAM	26775	1RB#14	21.94	PASS
Band26	3MHz	64QAM	26775	1RB#8	21.92	PASS
Band26	3MHz	64QAM	26775	1RB#0	21.83	PASS
Band26	3MHz	64QAM	26775	8RB#7	20.85	PASS
Band26	3MHz	64QAM	26775	8RB#0	20.84	PASS
Band26	3MHz	64QAM	26775	8RB#4	20.82	PASS
Band26	3MHz	64QAM	26775	15RB#0	20.80	PASS
Band26	3MHz	16QAM	26705	1RB#0	23.02	PASS
Band26	3MHz	16QAM	26705	1RB#8	22.97	PASS
Band26	3MHz	16QAM	26705	1RB#14	23.07	PASS
Band26	3MHz	16QAM	26705	8RB#0	21.93	PASS
Band26	3MHz	16QAM	26705	8RB#4	21.98	PASS
Band26	3MHz	16QAM	26705	8RB#7	21.93	PASS
Band26	3MHz	16QAM	26705	15RB#0	21.84	PASS
Band26	3MHz	16QAM	26740	1RB#8	23.00	PASS
Band26	3MHz	16QAM	26740	1RB#14	22.96	PASS
Band26	3MHz	16QAM	26740	1RB#0	23.03	PASS
Band26	3MHz	16QAM	26740	8RB#0	21.80	PASS
Band26	3MHz	16QAM	26740	8RB#7	21.89	PASS
Band26	3MHz	16QAM	26740	8RB#4	21.83	PASS
Band26	3MHz	16QAM	26740	15RB#0	21.82	PASS
Band26	3MHz	16QAM	26775	1RB#8	23.06	PASS
Band26	3MHz	16QAM	26775	1RB#0	22.99	PASS
Band26	3MHz	16QAM	26775	1RB#14	23.08	PASS
Band26	3MHz	16QAM	26775	8RB#4	21.82	PASS
Band26	3MHz	16QAM	26775	8RB#7	21.82	PASS
Band26	3MHz	16QAM	26775	8RB#0	21.89	PASS
Band26	3MHz	16QAM	26775	15RB#0	21.82	PASS



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Band26	5MHz	QPSK	26715	1RB#0	23.73	PASS
Band26	5MHz	QPSK	26715	1RB#24	23.71	PASS
Band26	5MHz	QPSK	26715	1RB#12	23.70	PASS
Band26	5MHz	QPSK	26715	12RB#13	22.78	PASS
Band26	5MHz	QPSK	26715	12RB#0	22.88	PASS
Band26	5MHz	QPSK	26715	12RB#6	22.88	PASS
Band26	5MHz	QPSK	26715	25RB#0	22.84	PASS
Band26	5MHz	QPSK	26740	1RB#0	23.67	PASS
Band26	5MHz	QPSK	26740	1RB#12	23.69	PASS
Band26	5MHz	QPSK	26740	1RB#24	23.76	PASS
Band26	5MHz	QPSK	26740	12RB#0	22.79	PASS
Band26	5MHz	QPSK	26740	12RB#13	22.81	PASS
Band26	5MHz	QPSK	26740	12RB#6	22.80	PASS
Band26	5MHz	QPSK	26740	25RB#0	22.84	PASS
Band26	5MHz	QPSK	26765	1RB#12	23.62	PASS
Band26	5MHz	QPSK	26765	1RB#24	23.67	PASS
Band26	5MHz	QPSK	26765	1RB#0	23.69	PASS
Band26	5MHz	QPSK	26765	12RB#6	22.84	PASS
Band26	5MHz	QPSK	26765	12RB#13	22.78	PASS
Band26	5MHz	QPSK	26765	12RB#0	22.74	PASS
Band26	5MHz	QPSK	26765	25RB#0	22.71	PASS
Band26	5MHz	64QAM	26715	1RB#0	21.90	PASS
Band26	5MHz	64QAM	26715	1RB#12	21.98	PASS
Band26	5MHz	64QAM	26715	1RB#24	21.79	PASS
Band26	5MHz	64QAM	26715	12RB#0	20.88	PASS
Band26	5MHz	64QAM	26715	12RB#6	20.86	PASS
Band26	5MHz	64QAM	26715	12RB#13	20.86	PASS
Band26	5MHz	64QAM	26715	25RB#0	20.83	PASS
Band26	5MHz	64QAM	26740	1RB#0	21.88	PASS
Band26	5MHz	64QAM	26740	1RB#12	21.84	PASS
Band26	5MHz	64QAM	26740	1RB#24	21.90	PASS
Band26	5MHz	64QAM	26740	12RB#13	20.73	PASS
Band26	5MHz	64QAM	26740	12RB#0	20.79	PASS



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Band26	5MHz	64QAM	26740	25RB#0	20.82	PASS
Band26	5MHz	64QAM	26765	1RB#12	21.92	PASS
Band26	5MHz	64QAM	26765	1RB#0	21.89	PASS
Band26	5MHz	64QAM	26765	1RB#24	21.89	PASS
Band26	5MHz	64QAM	26765	12RB#13	20.80	PASS
Band26	5MHz	64QAM	26765	12RB#0	20.72	PASS
Band26	5MHz	64QAM	26765	12RB#6	20.82	PASS
Band26	5MHz	64QAM	26765	25RB#0	20.83	PASS
Band26	5MHz	16QAM	26715	1RB#24	22.95	PASS
Band26	5MHz	16QAM	26715	1RB#0	22.92	PASS
Band26	5MHz	16QAM	26715	1RB#12	22.82	PASS
Band26	5MHz	16QAM	26715	12RB#0	21.86	PASS
Band26	5MHz	16QAM	26715	12RB#13	21.88	PASS
Band26	5MHz	16QAM	26715	12RB#6	21.93	PASS
Band26	5MHz	16QAM	26715	25RB#0	21.86	PASS
Band26	5MHz	16QAM	26740	1RB#12	22.94	PASS
Band26	5MHz	16QAM	26740	1RB#24	22.95	PASS
Band26	5MHz	16QAM	26740	1RB#0	22.94	PASS
Band26	5MHz	16QAM	26740	12RB#0	21.86	PASS
Band26	5MHz	16QAM	26740	12RB#6	21.91	PASS
Band26	5MHz	16QAM	26740	12RB#13	21.82	PASS
Band26	5MHz	16QAM	26740	25RB#0	21.84	PASS
Band26	5MHz	16QAM	26765	1RB#0	23.01	PASS
Band26	5MHz	16QAM	26765	1RB#12	22.90	PASS
Band26	5MHz	16QAM	26765	1RB#24	22.92	PASS
Band26	5MHz	16QAM	26765	12RB#0	21.73	PASS
Band26	5MHz	16QAM	26765	12RB#6	21.91	PASS
Band26	5MHz	16QAM	26765	12RB#13	21.83	PASS
Band26	5MHz	16QAM	26765	25RB#0	21.84	PASS
Band26	10MHz	QPSK	26740	1RB#24	23.69	PASS
Band26	10MHz	QPSK	26740	1RB#49	23.58	PASS
Band26	10MHz	QPSK	26740	1RB#0	23.73	PASS



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Band26	10MHz	QPSK	26740	25RB#25	22.73	PASS
Band26	10MHz	QPSK	26740	25RB#12	22.84	PASS
Band26	10MHz	QPSK	26740	25RB#0	22.72	PASS
Band26	10MHz	QPSK	26740	50RB#0	22.62	PASS
Band26	10MHz	64QAM	26740	1RB#0	22.09	PASS
Band26	10MHz	64QAM	26740	1RB#24	21.99	PASS
Band26	10MHz	64QAM	26740	1RB#49	21.90	PASS
Band26	10MHz	64QAM	26740	25RB#0	20.71	PASS
Band26	10MHz	64QAM	26740	25RB#12	20.90	PASS
Band26	10MHz	64QAM	26740	25RB#25	20.76	PASS
Band26	10MHz	64QAM	26740	50RB#0	20.76	PASS
Band26	10MHz	16QAM	26740	1RB#49	22.91	PASS
Band26	10MHz	16QAM	26740	1RB#0	23.09	PASS
Band26	10MHz	16QAM	26740	1RB#24	22.96	PASS
Band26	10MHz	16QAM	26740	25RB#0	21.75	PASS
Band26	10MHz	16QAM	26740	25RB#12	21.82	PASS
Band26	10MHz	16QAM	26740	25RB#25	21.72	PASS
Band26	10MHz	16QAM	26740	50RB#0	21.62	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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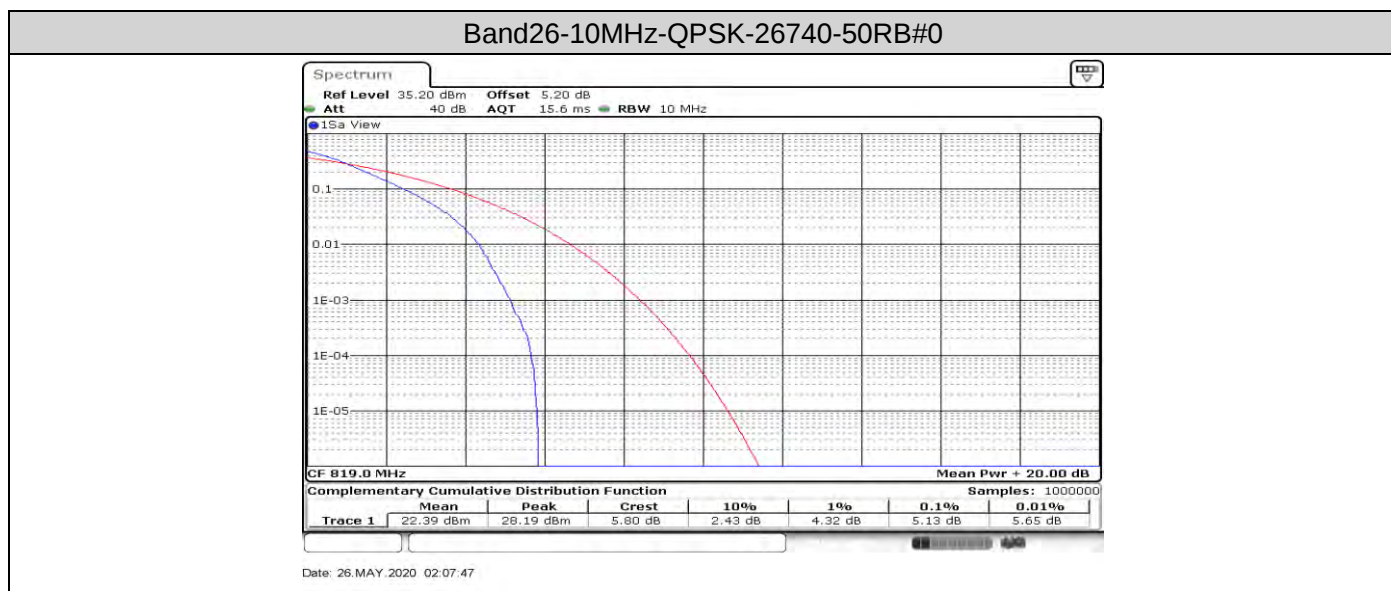


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	5.13	13	PASS
Band26	10MHz	64QAM	26740	50RB#0	6.46	13	PASS
Band26	10MHz	16QAM	26740	50RB#0	5.88	13	PASS

2.2. Test Plots



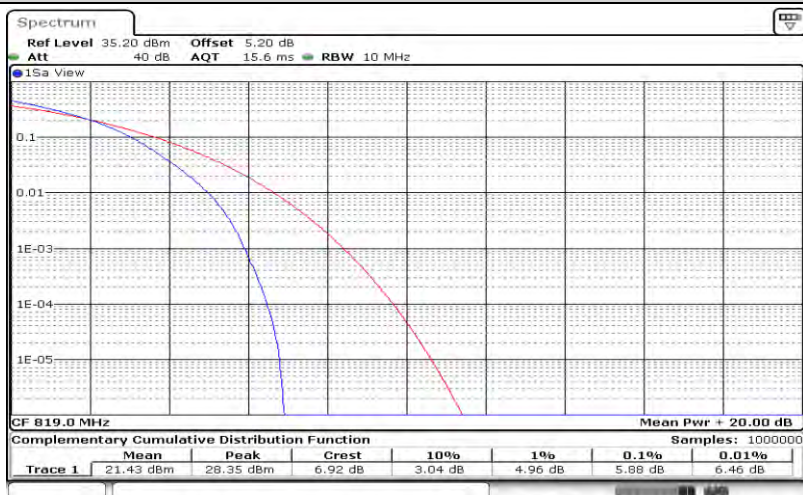


Band26-10MHz-64QAM-26740-50RB#0



Date: 26 MAY 2020 02:20:46

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



Date: 26 MAY 2020 02:07:59

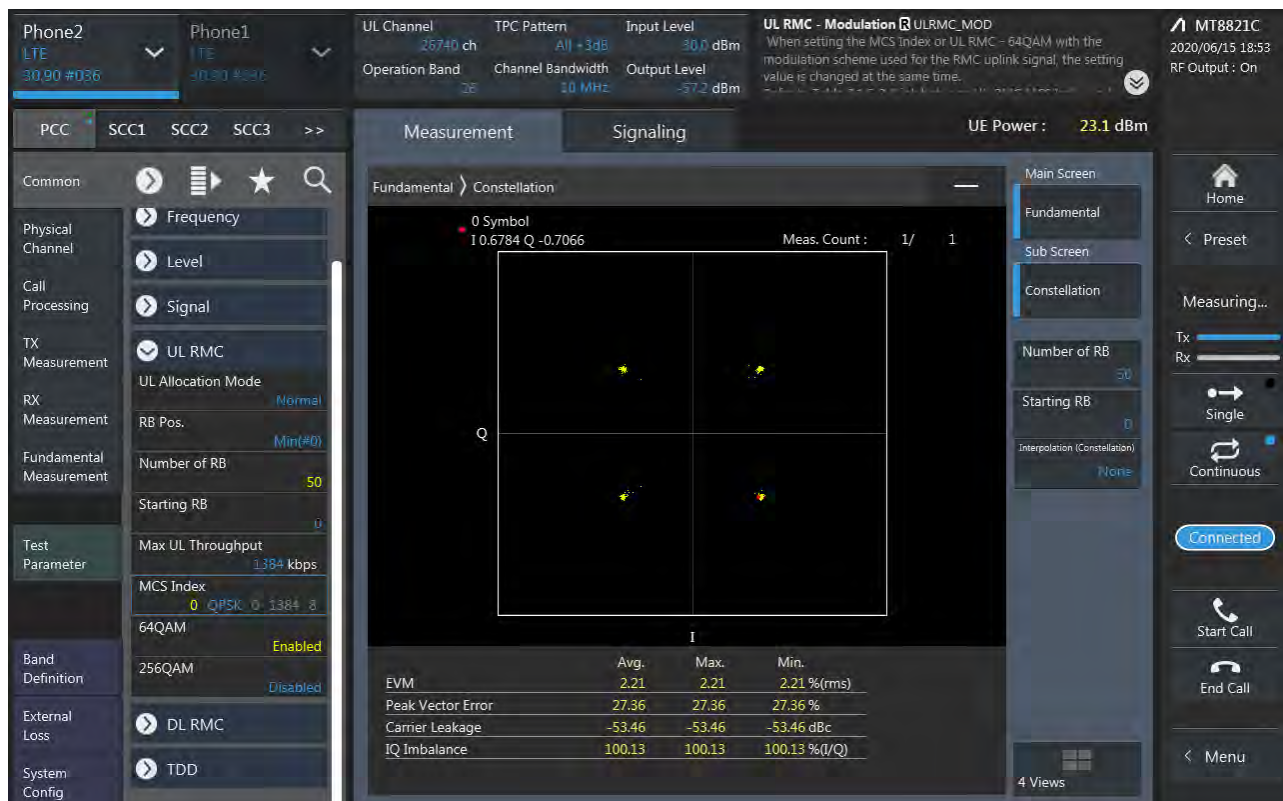




3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

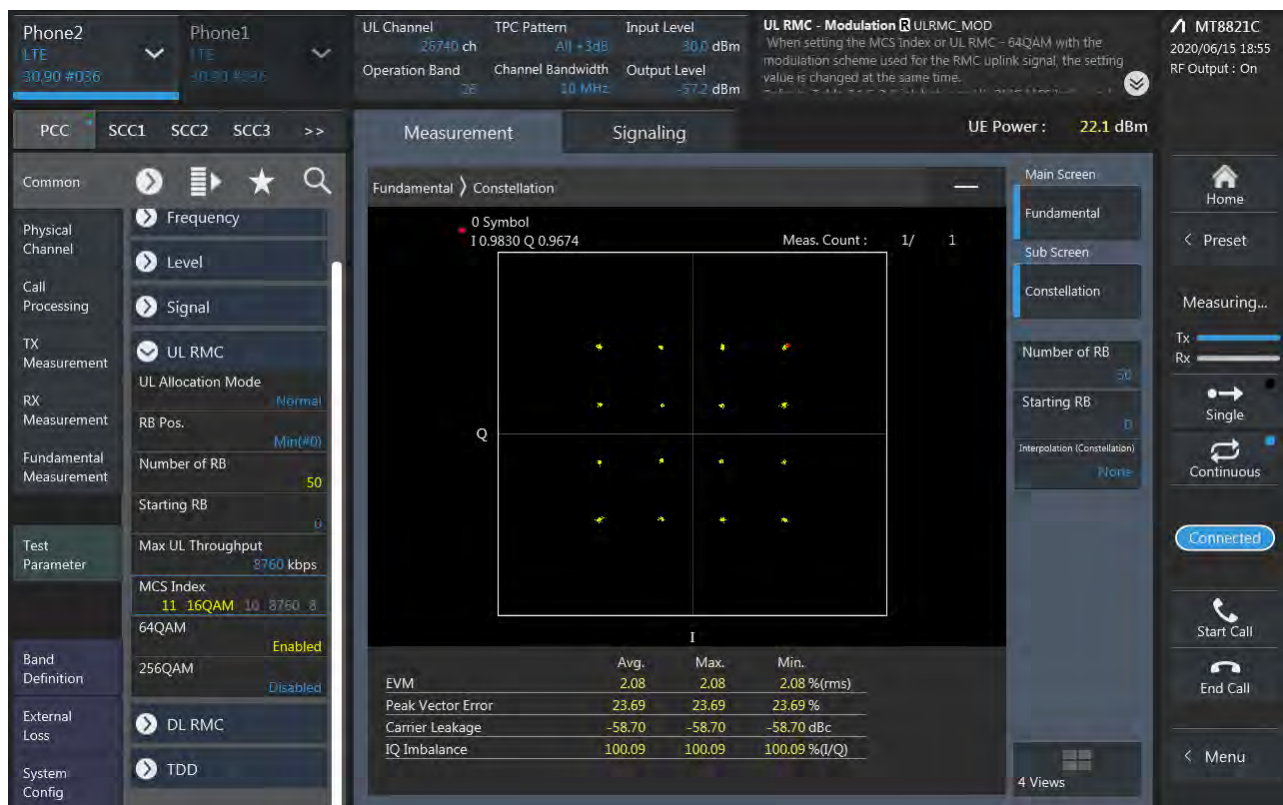
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 10MHz

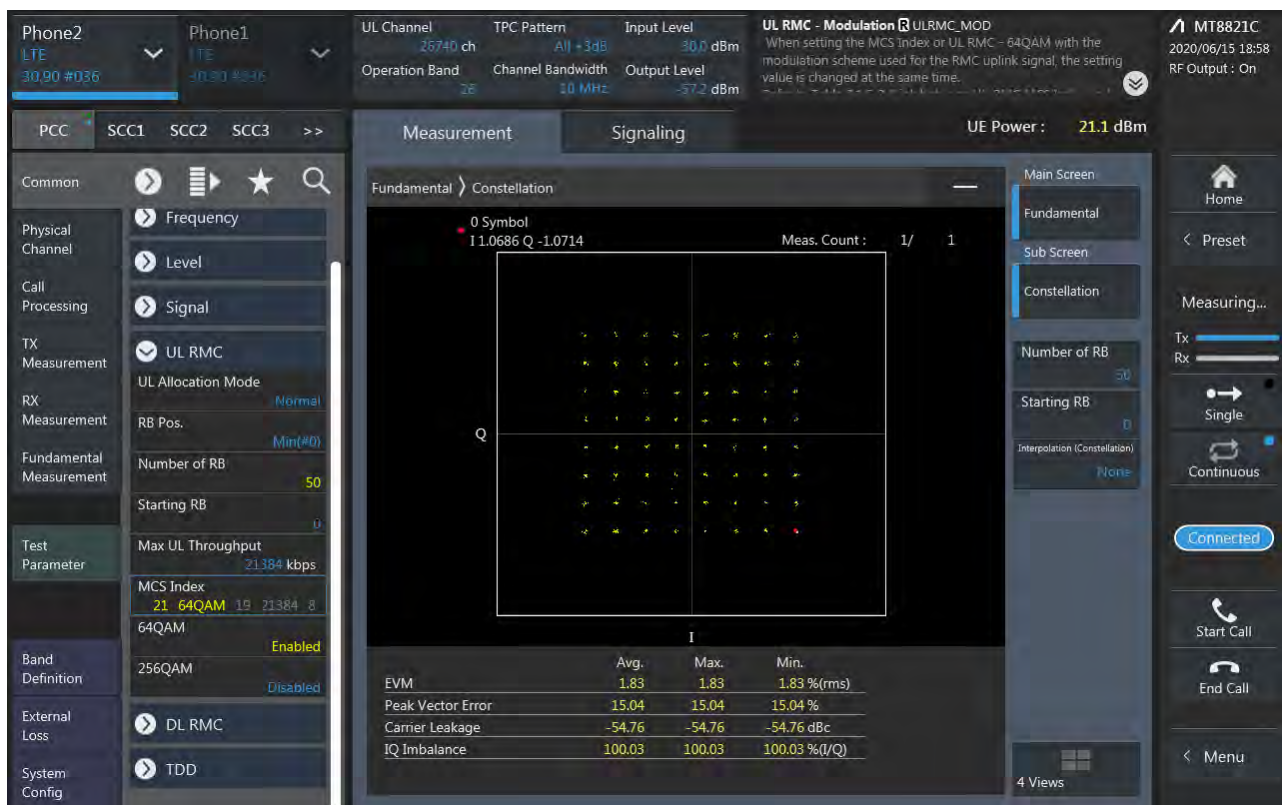
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 10MHz

3.3.1. Test Channel = MCH





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	1.085	1.233	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	1.088	1.233	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	1.091	1.242	PASS
Band26	1.4MHz	64QAM	26697	6RB#0	1.094	1.242	PASS
Band26	1.4MHz	64QAM	26740	6RB#0	1.097	1.245	PASS
Band26	1.4MHz	64QAM	26783	6RB#0	1.097	1.242	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	1.085	1.233	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	1.088	1.236	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	1.088	1.236	PASS
Band26	3MHz	QPSK	26705	15RB#0	2.703	3.018	PASS
Band26	3MHz	QPSK	26740	15RB#0	2.697	3.006	PASS
Band26	3MHz	QPSK	26775	15RB#0	2.697	3.006	PASS
Band26	3MHz	64QAM	26705	15RB#0	2.691	2.988	PASS
Band26	3MHz	64QAM	26740	15RB#0	2.691	2.994	PASS
Band26	3MHz	64QAM	26775	15RB#0	2.691	2.994	PASS
Band26	3MHz	16QAM	26705	15RB#0	2.685	2.988	PASS
Band26	3MHz	16QAM	26740	15RB#0	2.679	2.982	PASS
Band26	3MHz	16QAM	26775	15RB#0	2.679	2.964	PASS
Band26	5MHz	QPSK	26715	25RB#0	4.476	4.930	PASS
Band26	5MHz	QPSK	26740	25RB#0	4.466	4.870	PASS
Band26	5MHz	QPSK	26765	25RB#0	4.466	4.890	PASS
Band26	5MHz	64QAM	26715	25RB#0	4.476	4.900	PASS
Band26	5MHz	64QAM	26740	25RB#0	4.476	4.880	PASS
Band26	5MHz	64QAM	26765	25RB#0	4.476	4.880	PASS
Band26	5MHz	16QAM	26715	25RB#0	4.486	4.940	PASS
Band26	5MHz	16QAM	26740	25RB#0	4.486	4.920	PASS
Band26	5MHz	16QAM	26765	25RB#0	4.486	4.930	PASS
Band26	10MHz	QPSK	26740	50RB#0	8.931	9.720	PASS
Band26	10MHz	64QAM	26740	50RB#0	8.931	9.640	PASS
Band26	10MHz	16QAM	26740	50RB#0	8.931	9.720	PASS



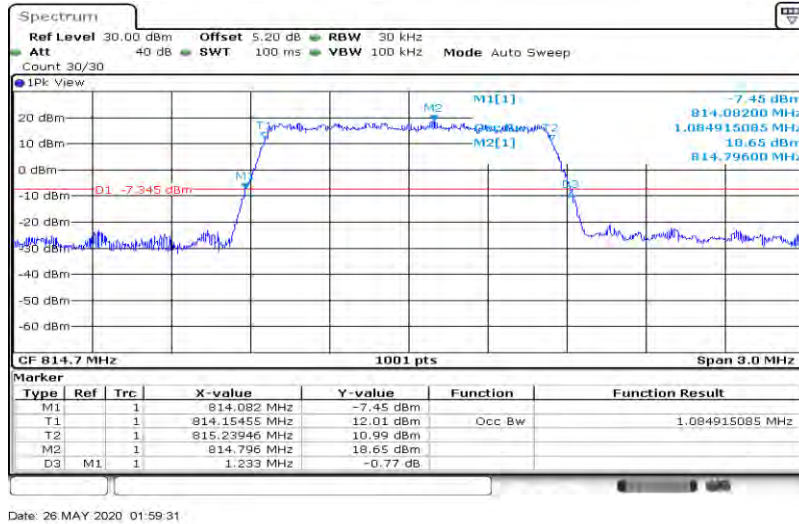
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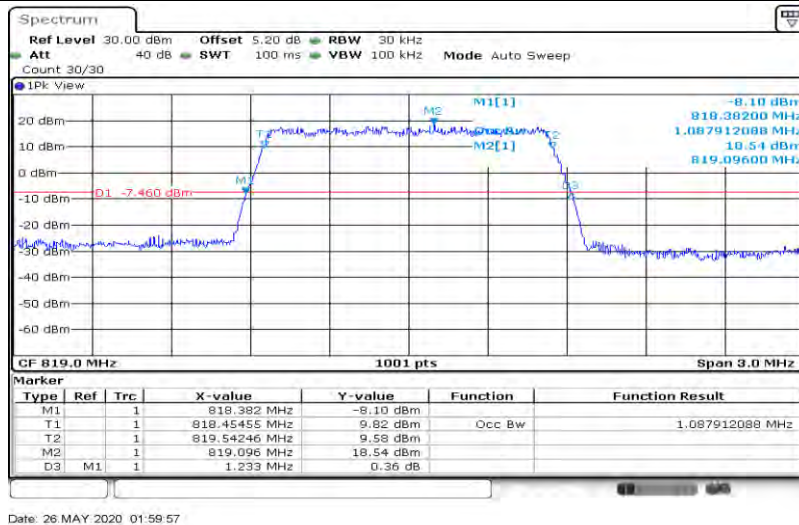


4.2. Test Plots

Band26-1.4MHz-QPSK-26697-6RB#0-1.085



Band26-1.4MHz-QPSK-26740-6RB#0-1.088

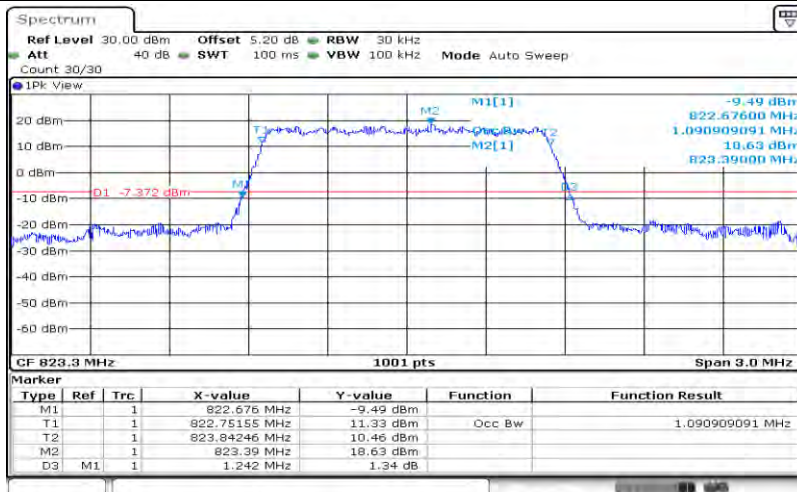


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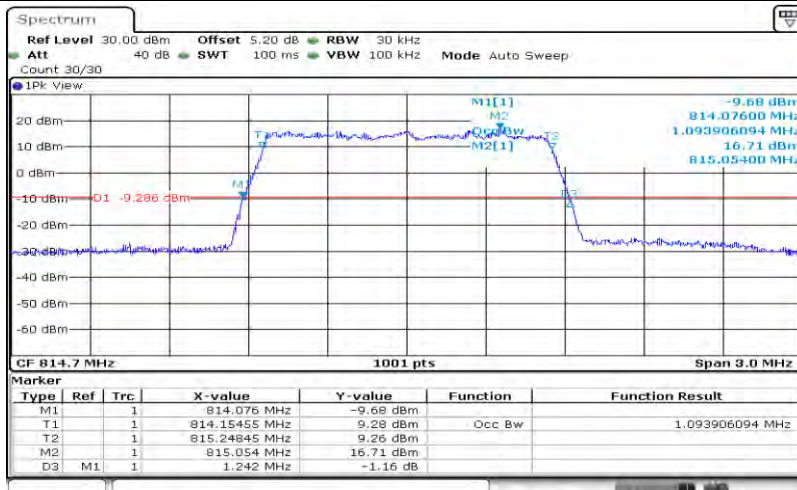


Band26-1.4MHz-QPSK-26783-6RB#0-1.091



Date: 26 MAY 2020 02:00:23

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



Date: 26 MAY 2020 02:16:20



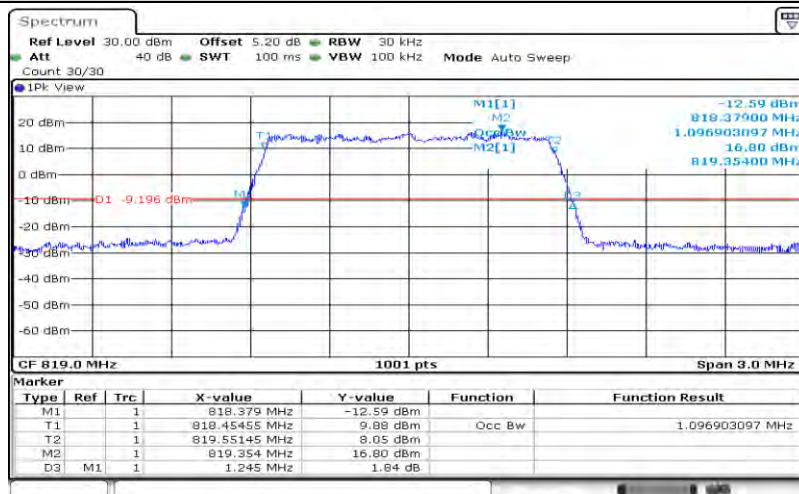
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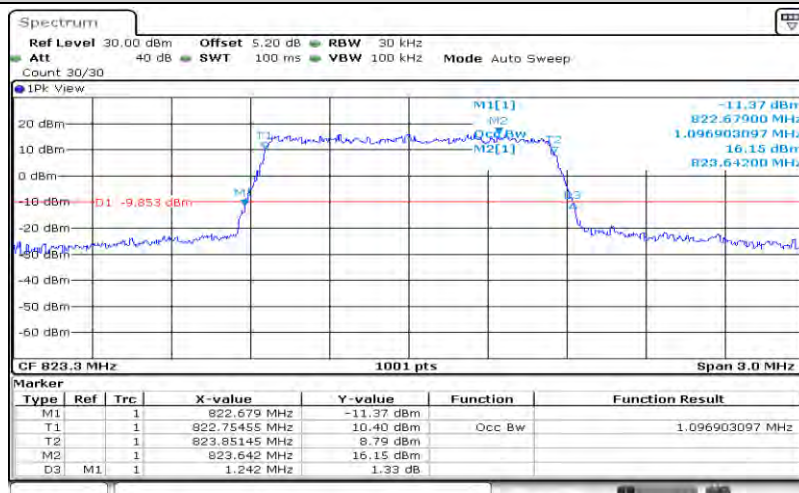


Band26-1.4MHz-64QAM-26740-6RB#0-1.097



Date: 26 MAY 2020 02:16:33

Band26-1.4MHz-64QAM-26783-6RB#0-1.097



Date: 26 MAY 2020 02:16:46

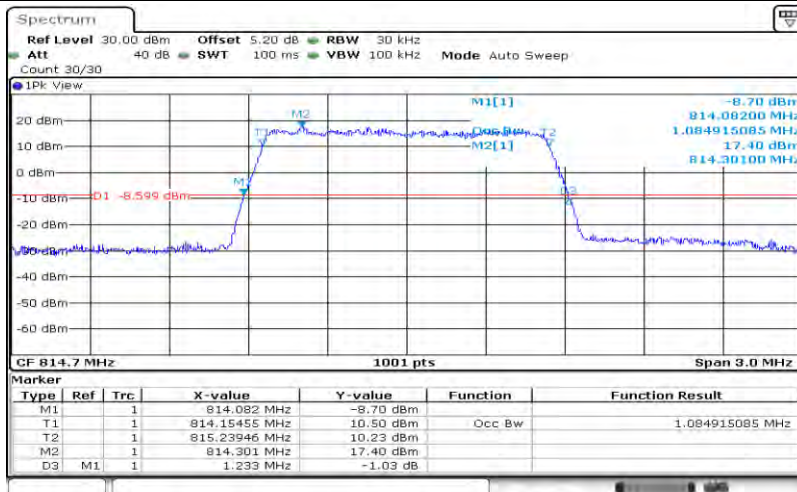


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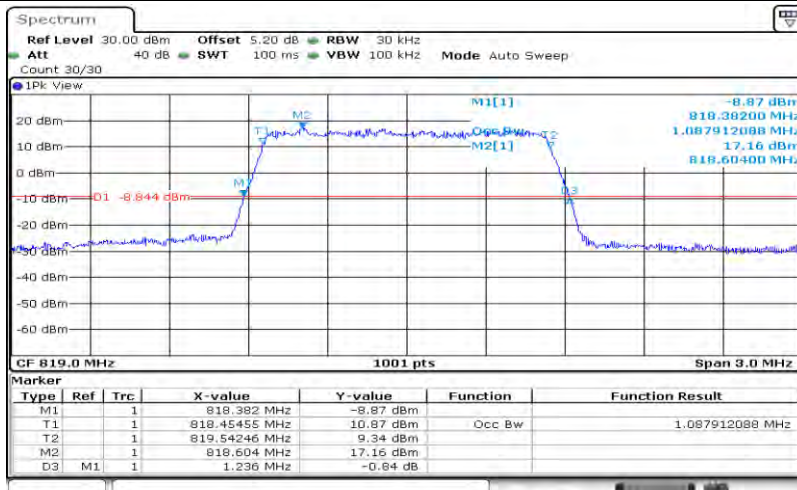


Band26-1.4MHz-16QAM-26697-6RB#0-1.085



Date: 26 MAY 2020 01:59:44

Band26-1.4MHz-16QAM-26740-6RB#0-1.088



Date: 26 MAY 2020 02:00:10



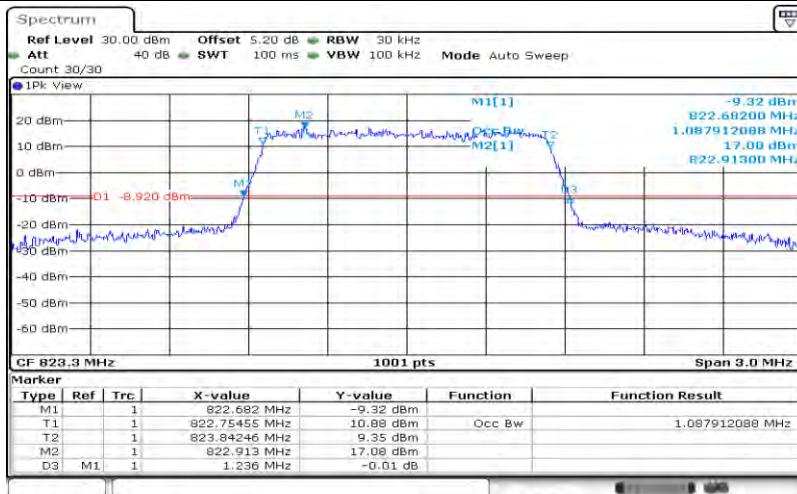
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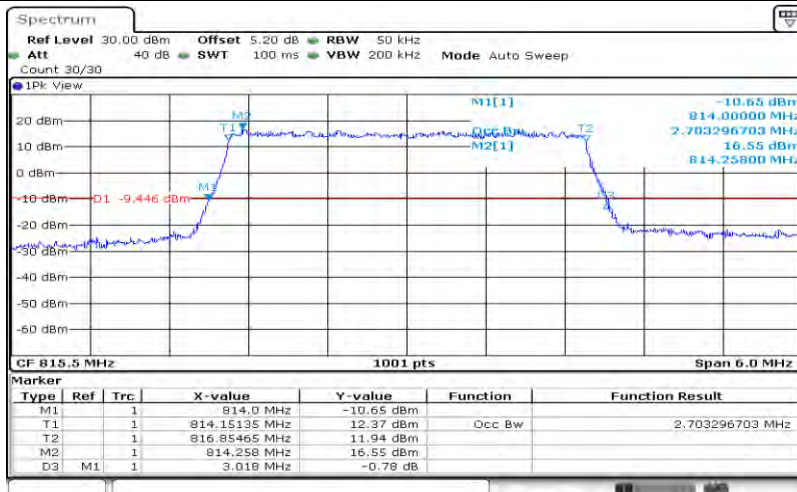


Band26-1.4MHz-16QAM-26783-6RB#0-1.088



Date: 26 MAY 2020 02:00:36

Band26-3MHz-QPSK-26705-15RB#0-2.703



Date: 26 MAY 2020 02:00:54

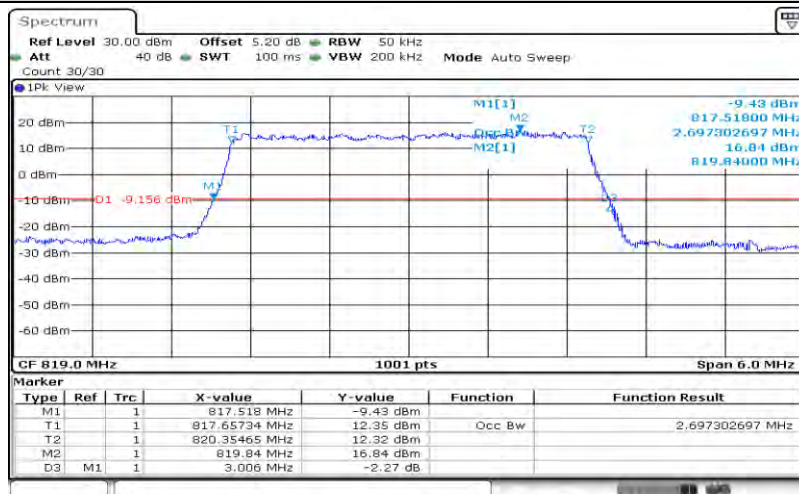


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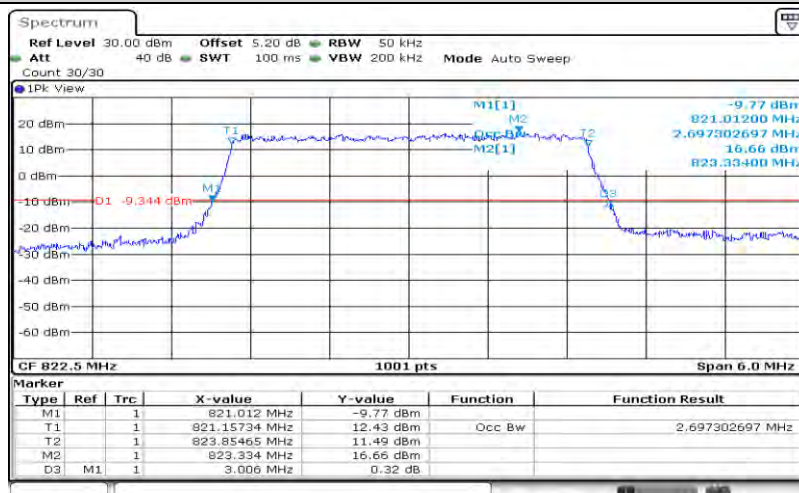


Band26-3MHz-QPSK-26740-15RB#0-2.697



Date: 26 MAY 2020 02:01:20

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



Date: 26 MAY 2020 02:01:45



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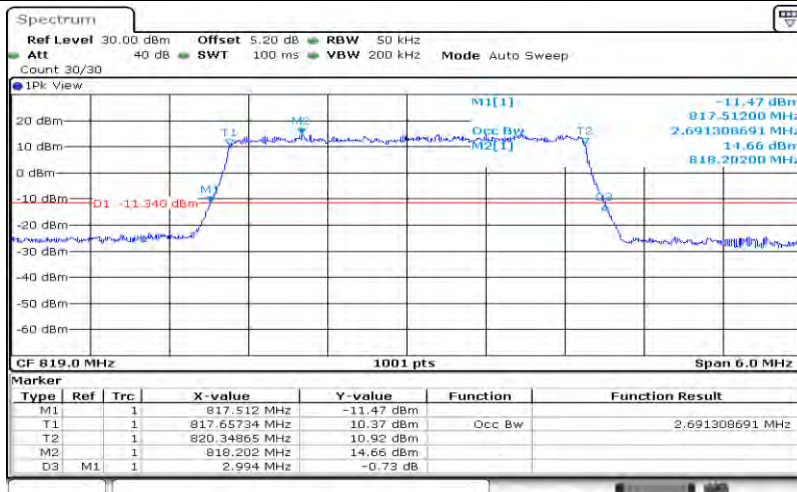


Band26-3MHz-64QAM-26705-15RB#0-2.691



Date: 26 MAY 2020 02:17:06

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



Date: 26 MAY 2020 02:17:18

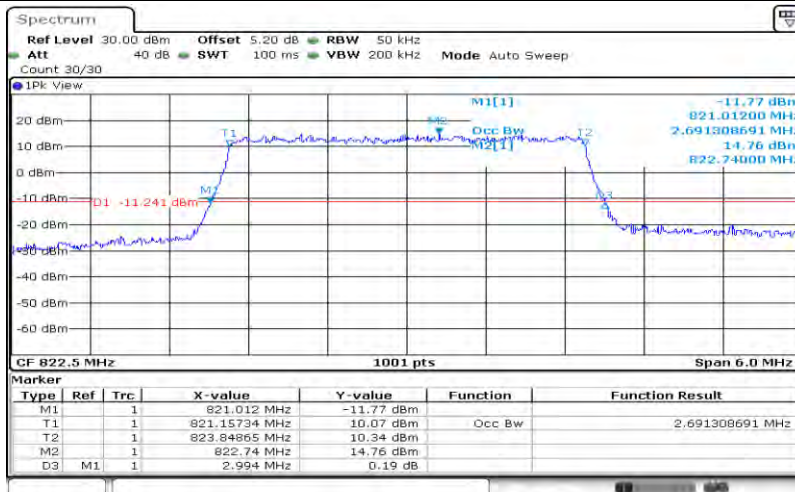


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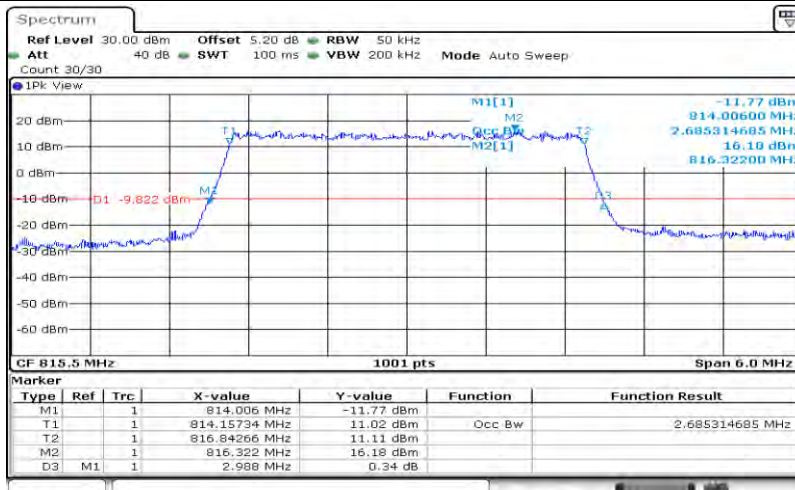


Band26-3MHz-64QAM-26775-15RB#0-2.691



Date: 26 MAY 2020 02:17:31

Band26-3MHz-16QAM-26705-15RB#0-2.685



Date: 26 MAY 2020 02:01:07

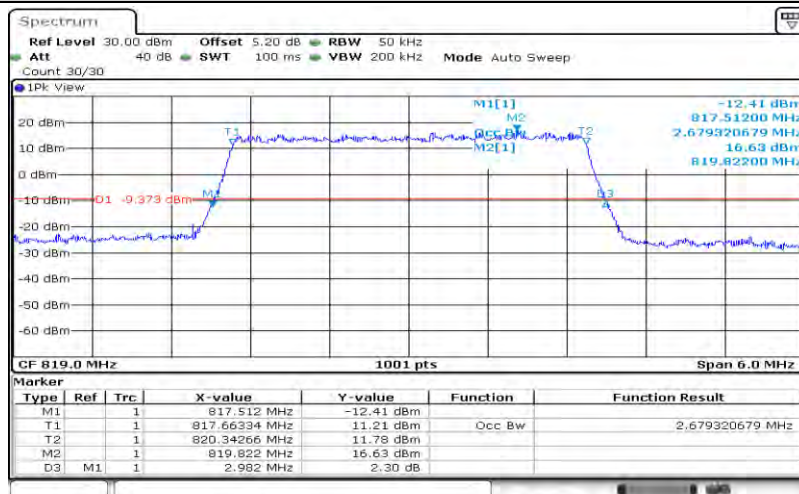


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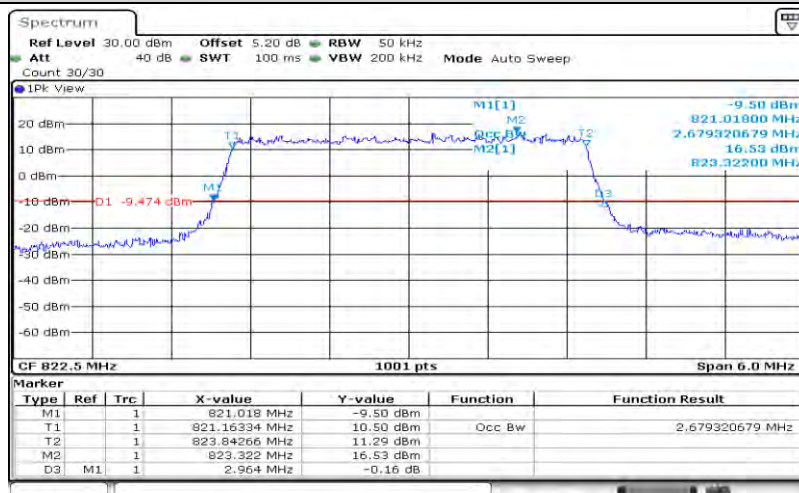
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Band26-3MHz-16QAM-26740-15RB#0-2.679



Date: 26 MAY 2020 02:01:33

Band26-3MHz-16QAM-26775-15RB#0-2.679



Date: 26 MAY 2020 02:01:58

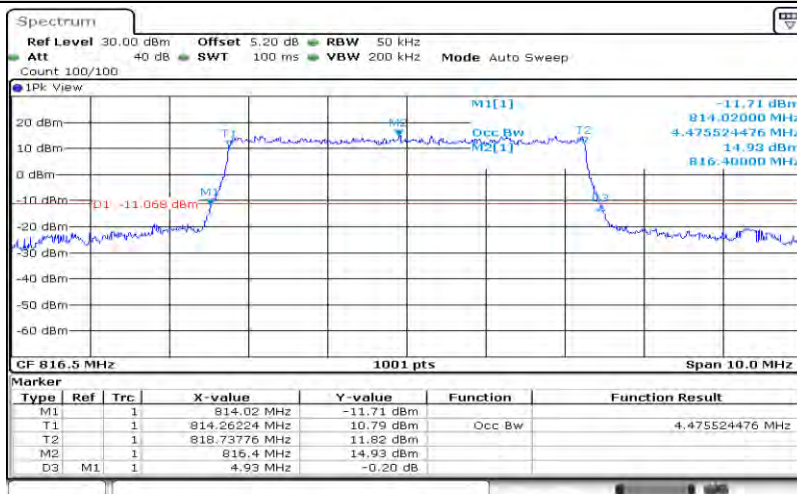


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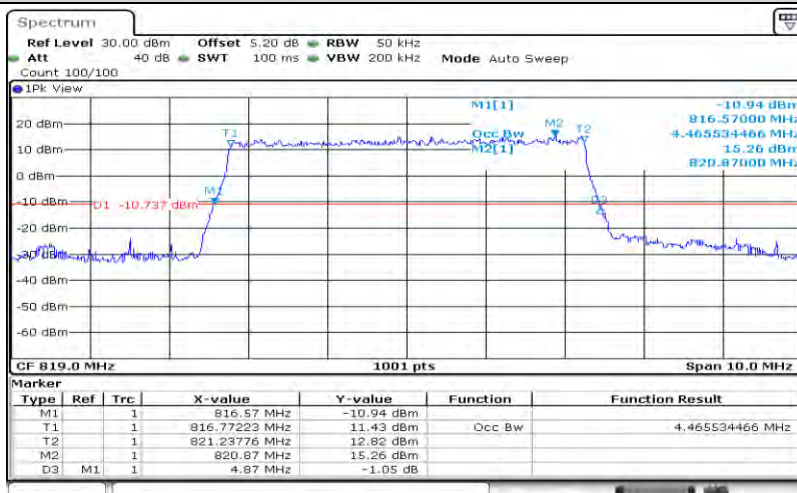


Band26-5MHz-QPSK-26715-25RB#0-4.476



Date: 26 MAY 2020 02:02:24

Band26-5MHz-QPSK-26740-25RB#0-4.466



Date: 26 MAY 2020 02:03:03



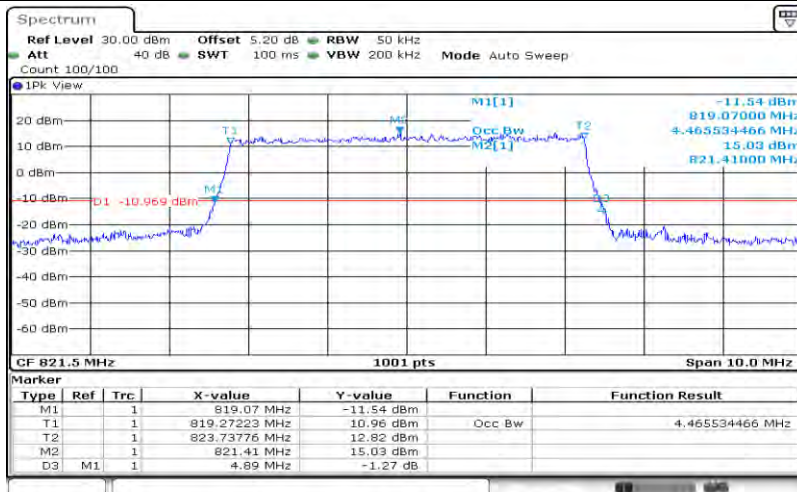
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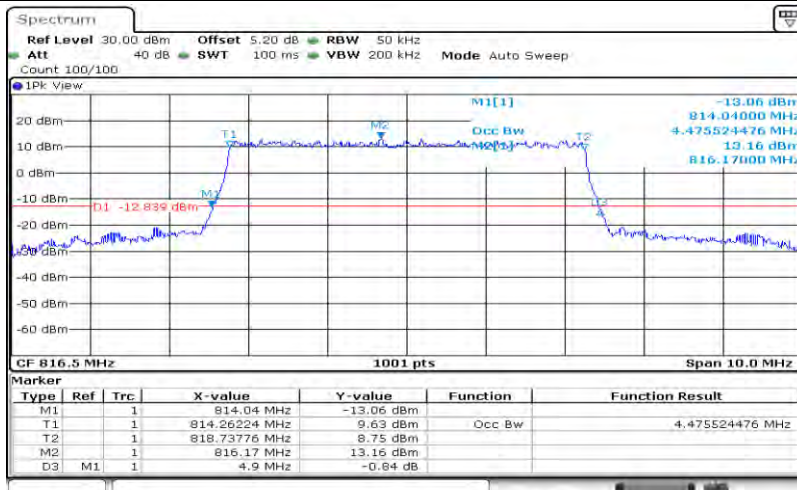


Band26-5MHz-QPSK-26765-25RB#0-4.466



Date: 26 MAY 2020 02:03:42

Band26-5MHz-64QAM-26715-25RB#0-4.476



Date: 26 MAY 2020 02:17:58

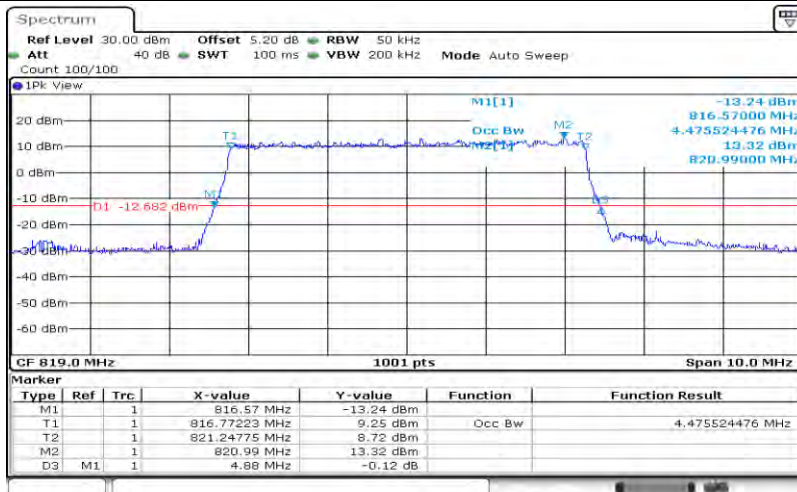


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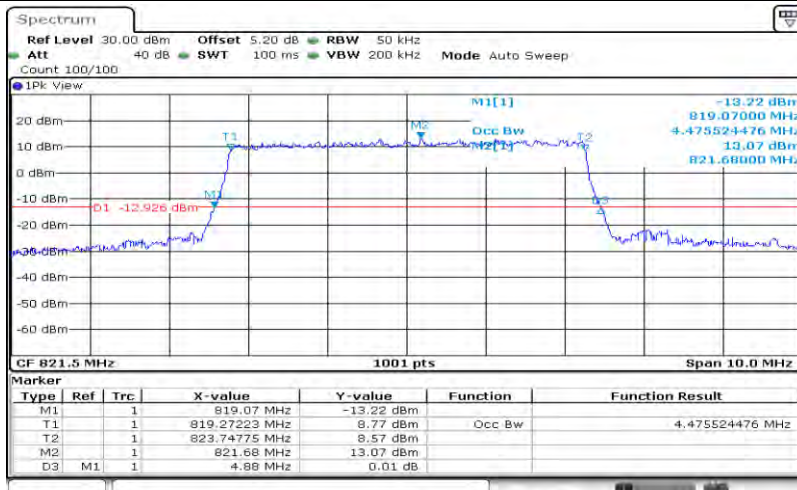


Band26-5MHz-64QAM-26740-25RB#0-4.476



Date: 26 MAY 2020 02:18:18

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



Date: 26 MAY 2020 02:18:38



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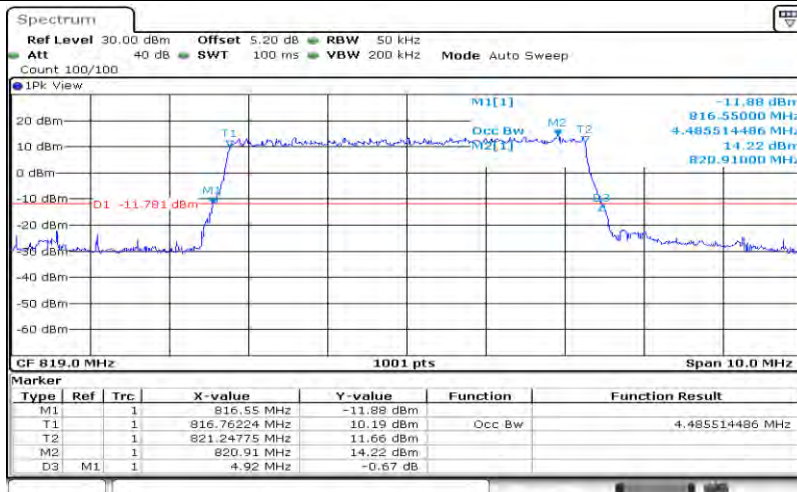


Band26-5MHz-16QAM-26715-25RB#0-4.486



Date: 26 MAY 2020 02:02:43

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



Date: 26 MAY 2020 02:03:23

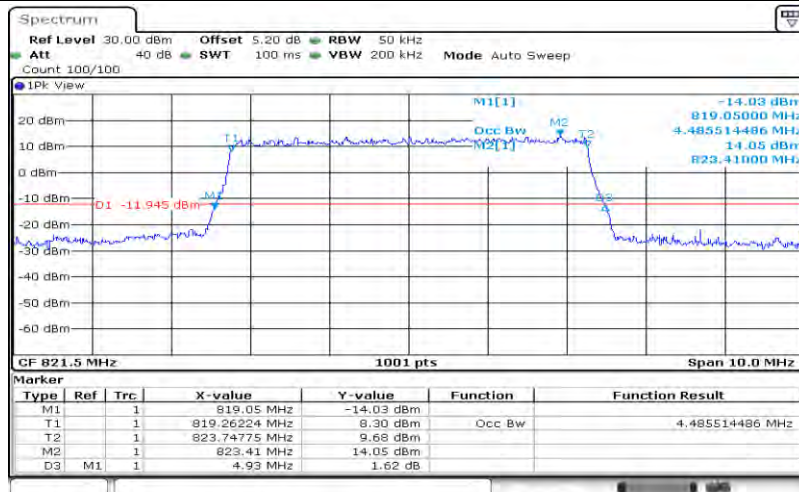


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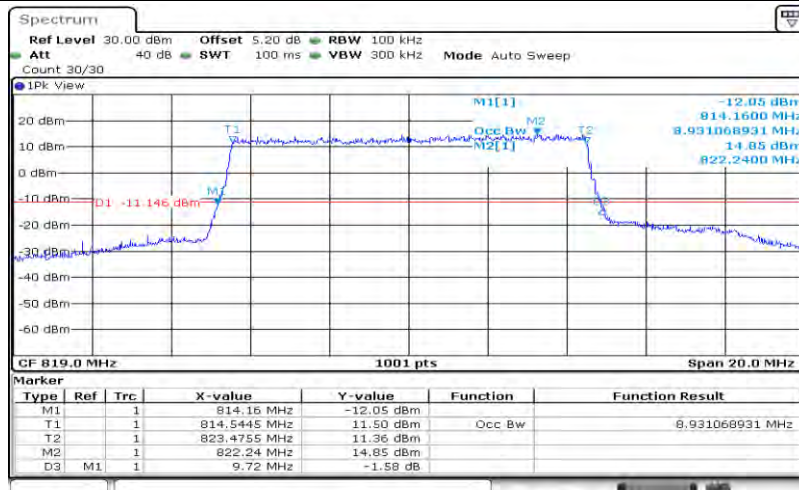


Band26-5MHz-16QAM-26765-25RB#0-4.486



Date: 26 MAY 2020 02:04:02

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



Date: 26 MAY 2020 02:04:20

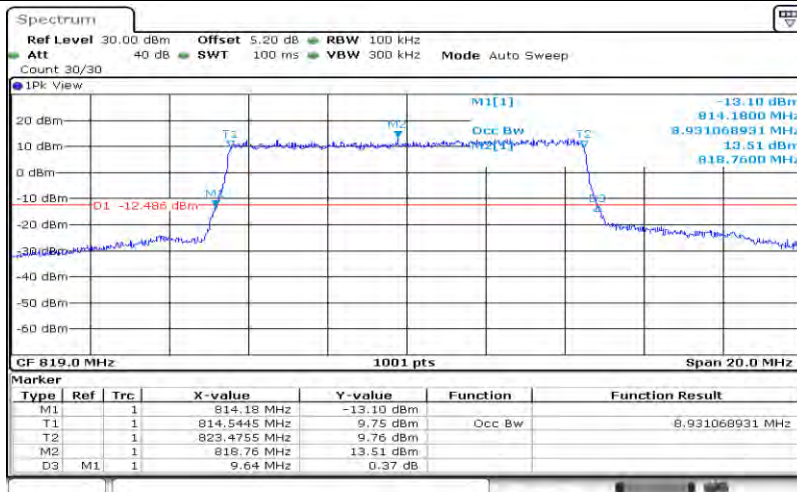


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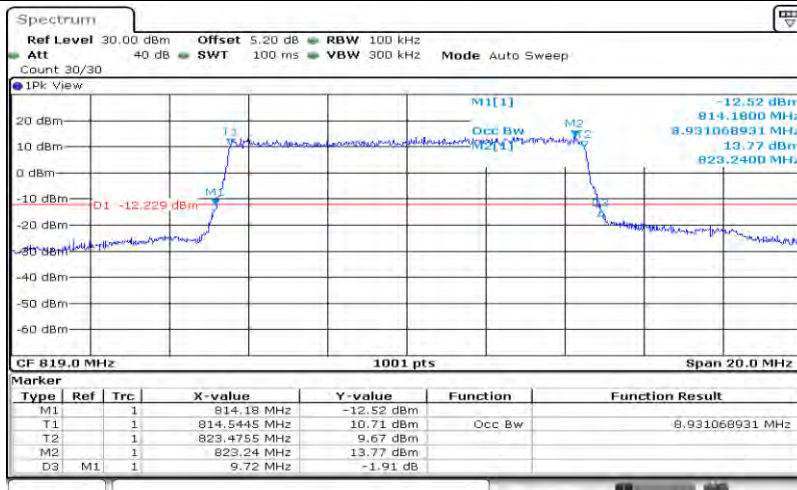


Band26-10MHz-64QAM-26740-50RB#0-8.931



Date: 26 MAY 2020 02:18:57

Band26-10MHz-16QAM-26740-50RB#0-8.931



Date: 26 MAY 2020 02:04:33



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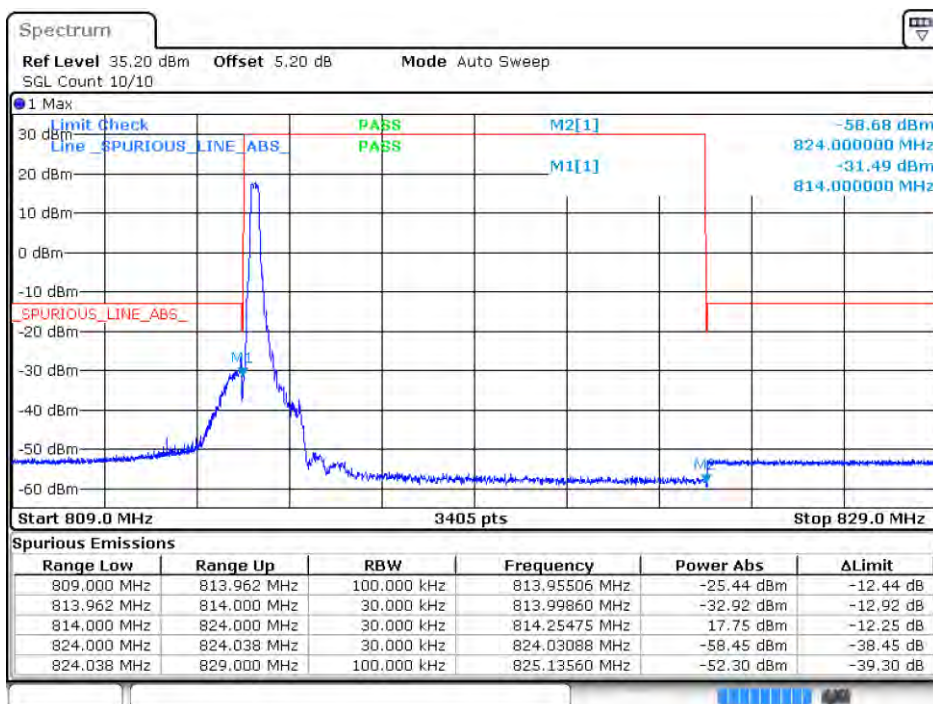
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5. Band Edge Compliance

5.1. Test Result

5.2. Test Plots

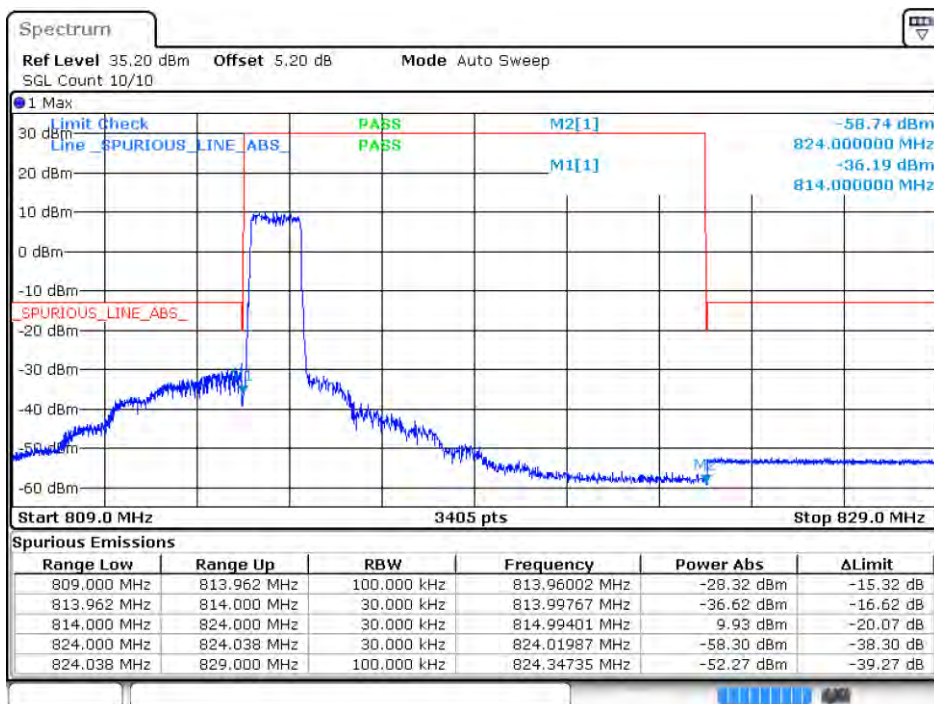
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Date: 26 MAY. 2020 02:22:25



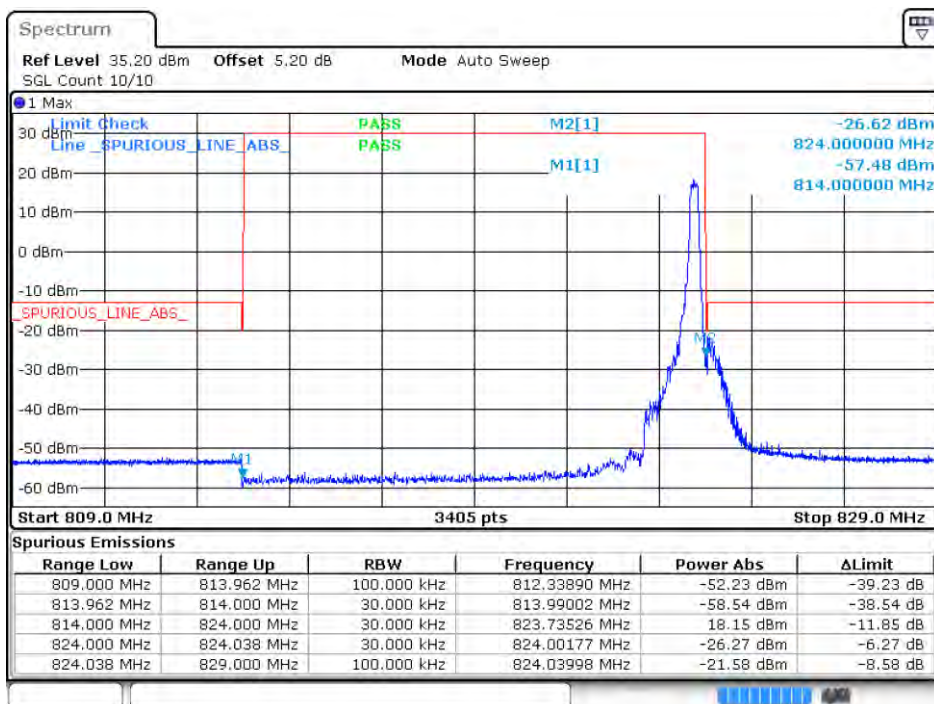
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Date: 26 MAY. 2020 02:26:17



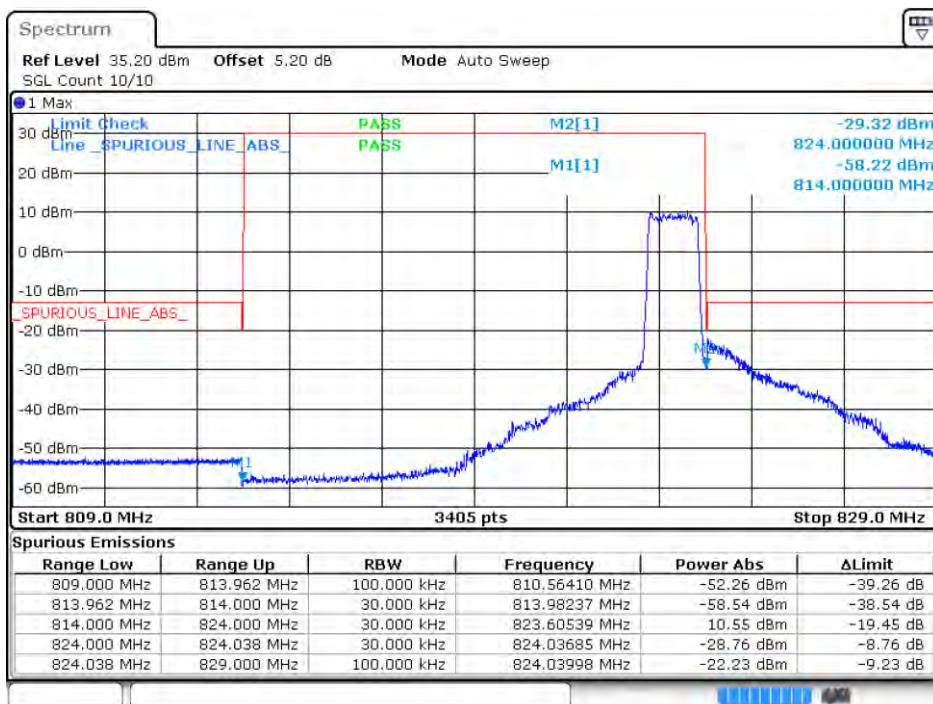
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Date: 26 MAY. 2020 02:24:21



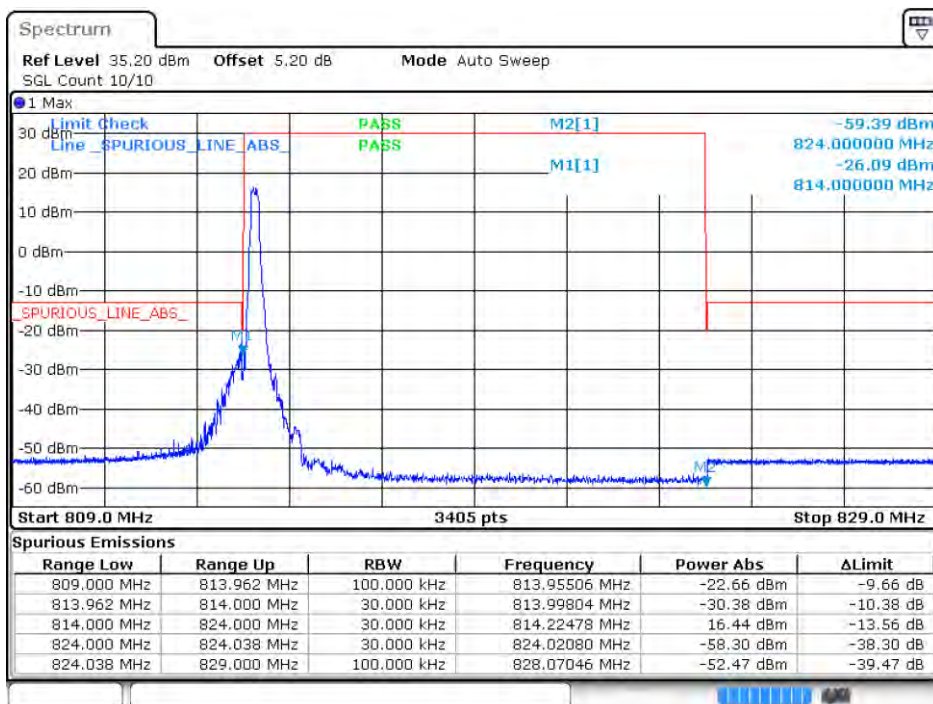
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Date: 26 MAY. 2020 02:28:11



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



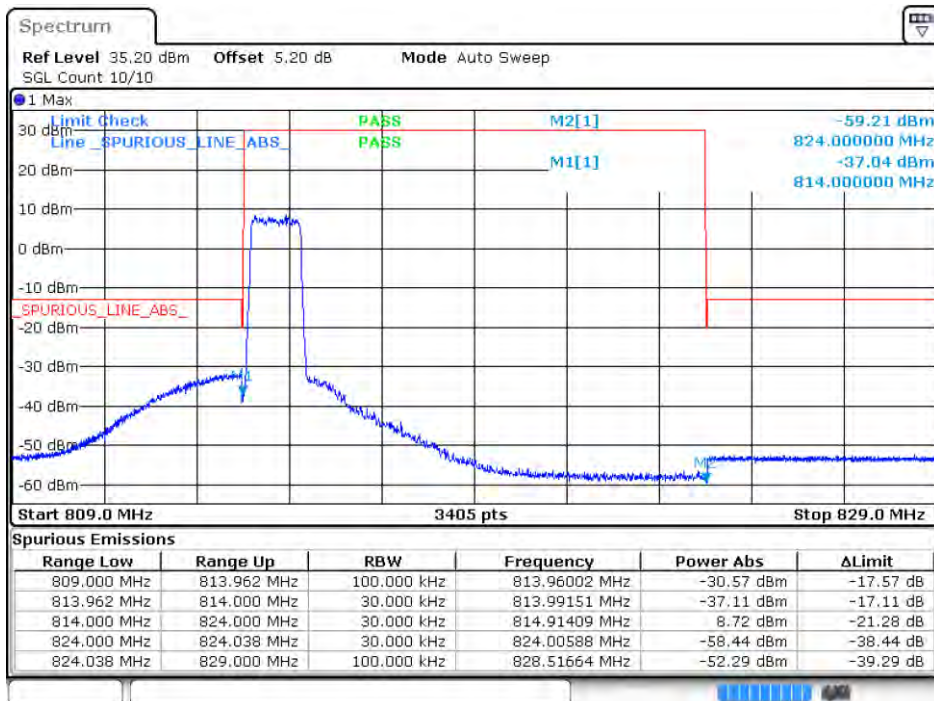
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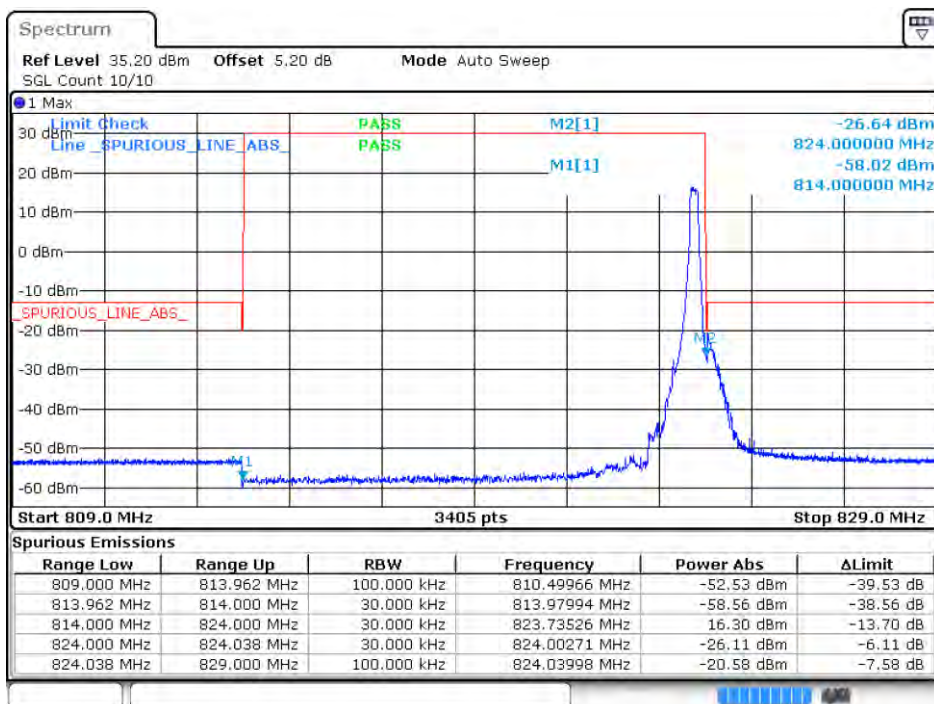
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Date: 26 MAY. 2020 02:27:33



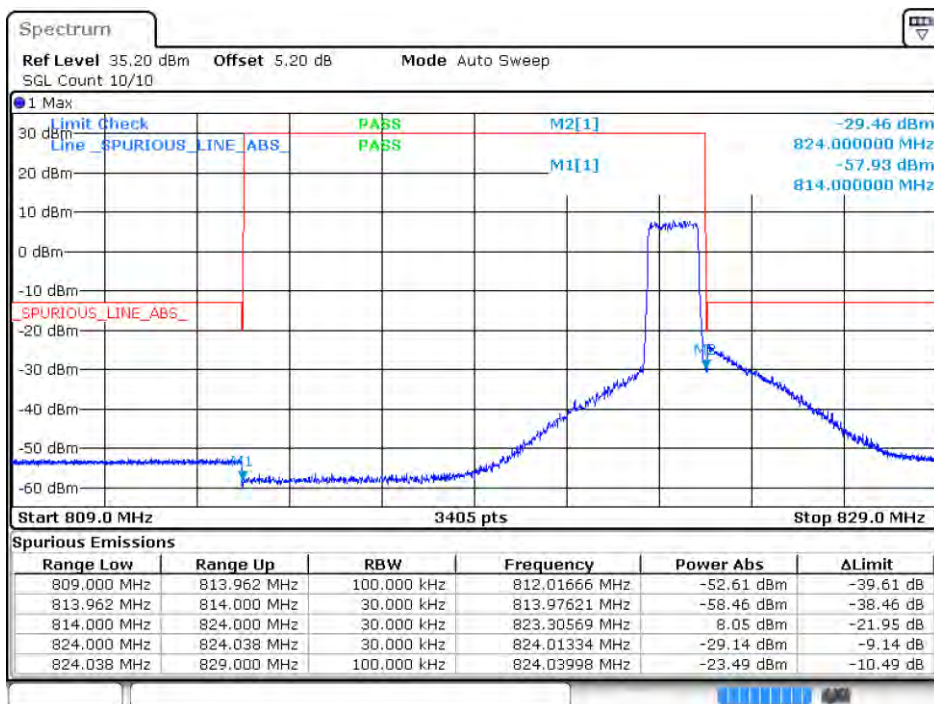
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Date: 26 MAY. 2020 02:25:38



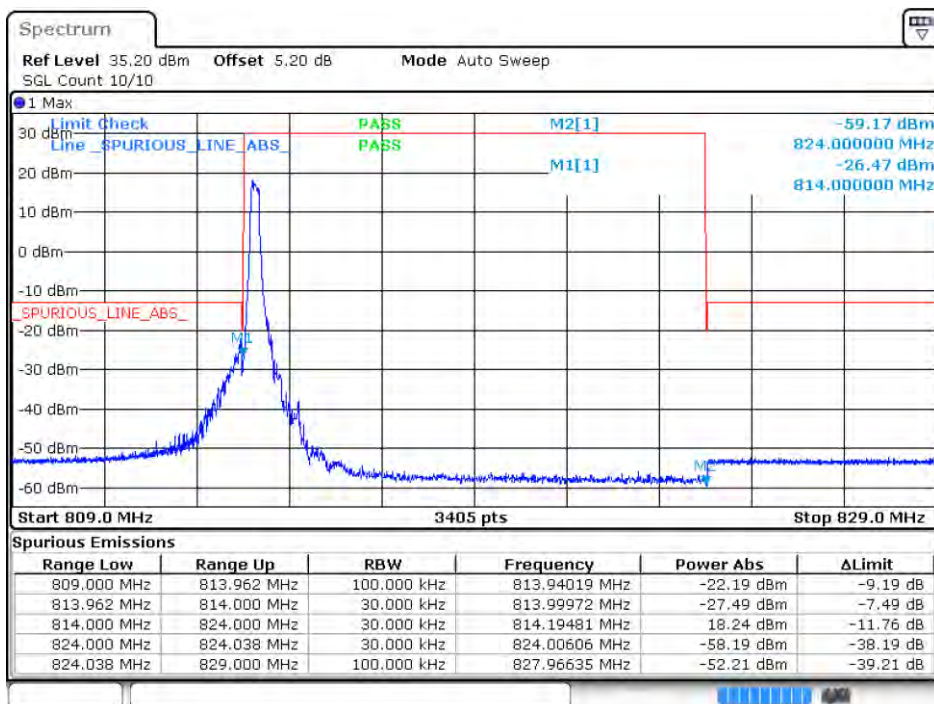
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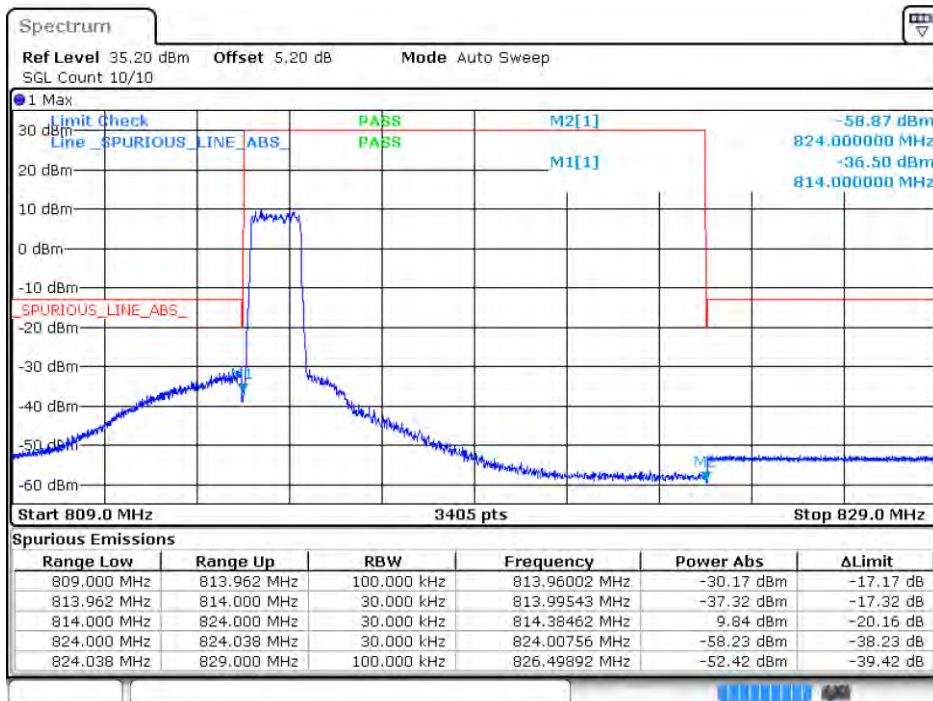
Band26-1.4MHz-16QAM-26697-1RB#0



Date: 26 MAY. 2020 02:23:03



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



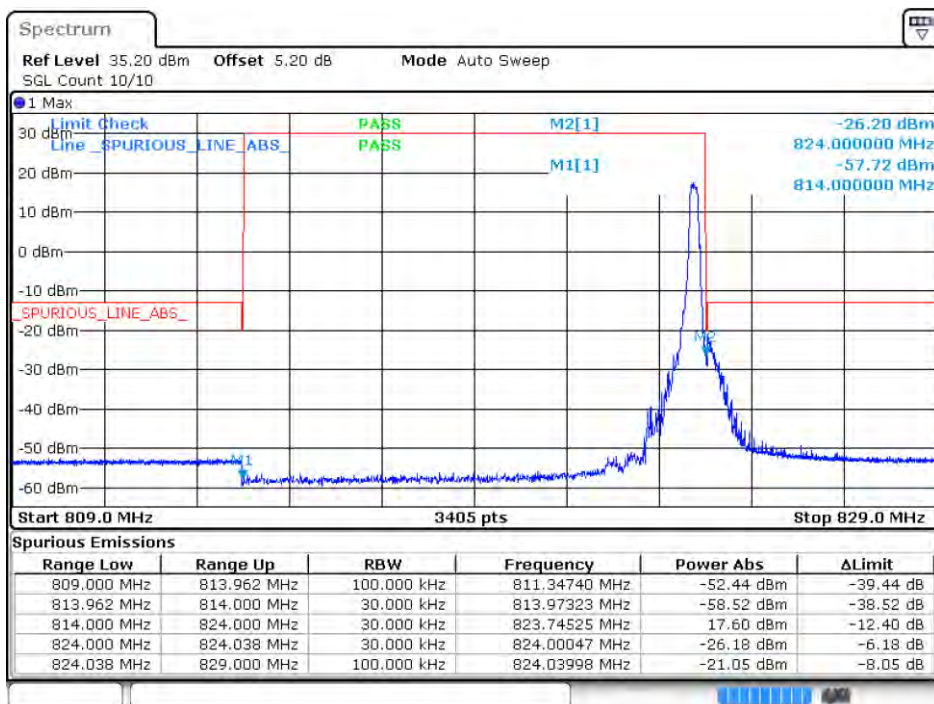
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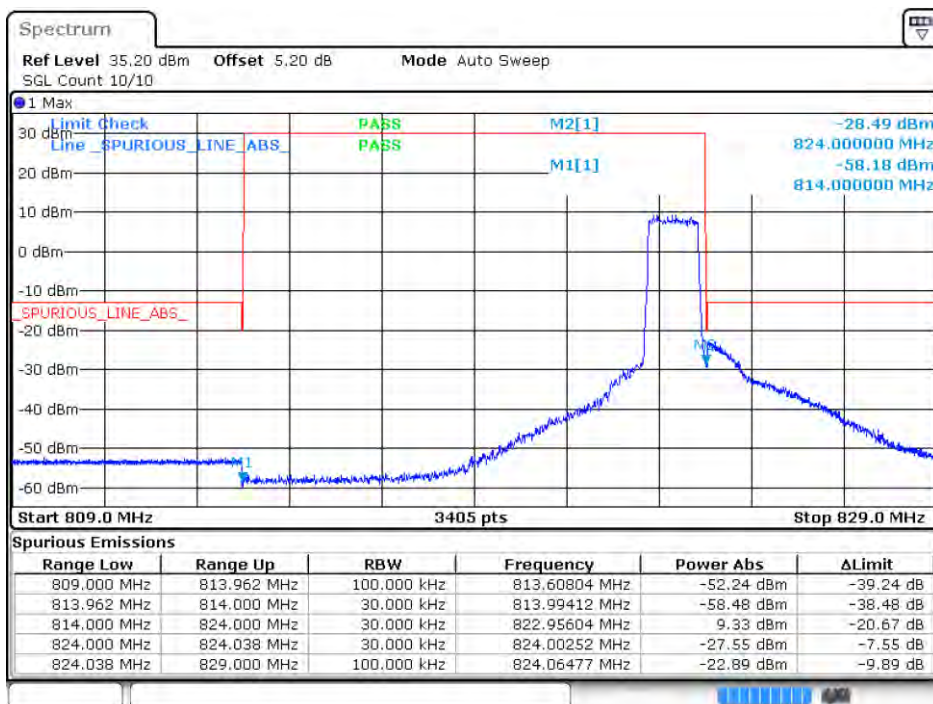
Band26-1.4MHz-16QAM-26783-1RB#5



Date: 26 MAY. 2020 02:24:59



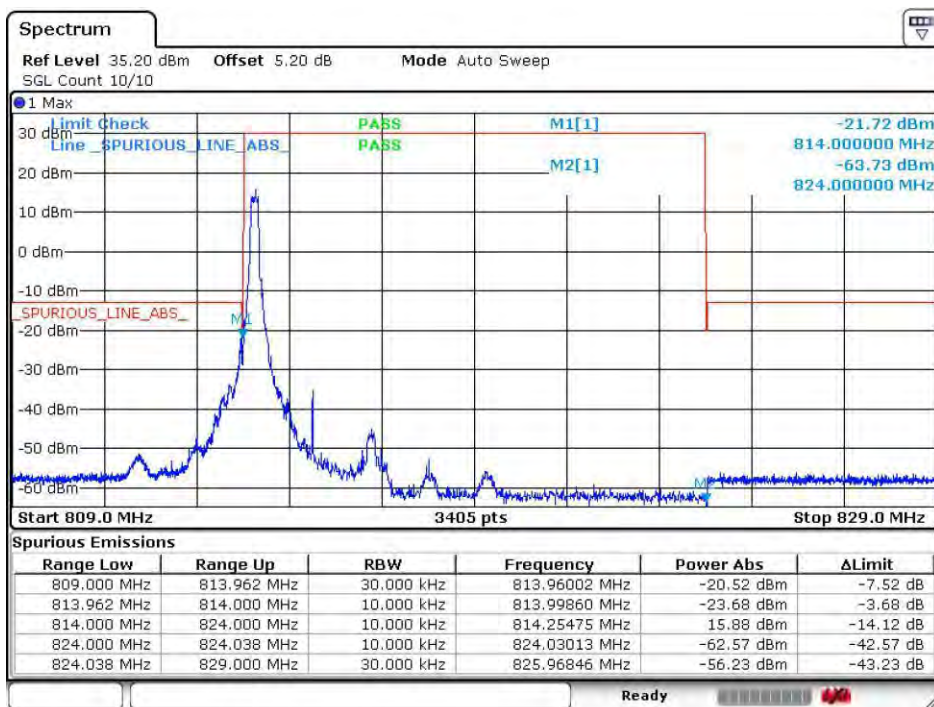
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Date: 26 MAY. 2020 02:28:49



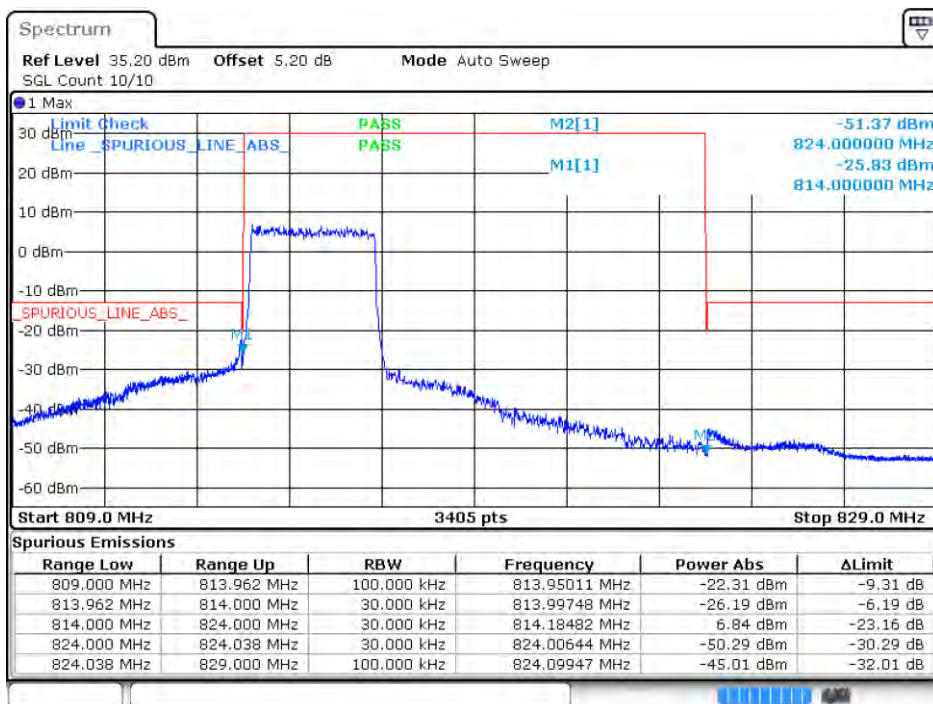
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Date: 26.MAY.2020 02:58:15



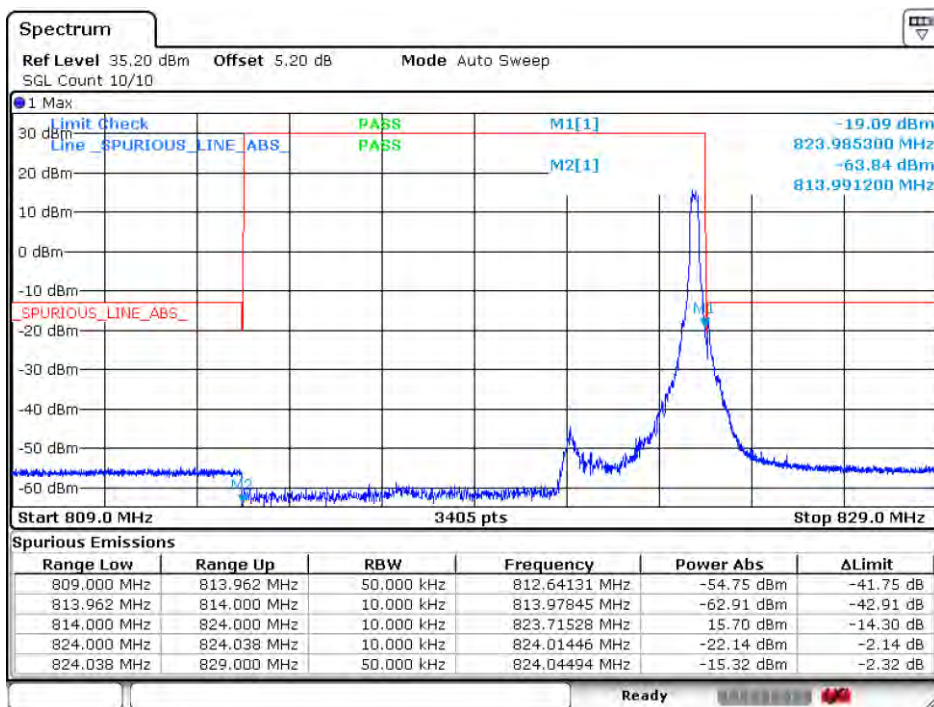
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Date: 26 MAY. 2020 02:33:59



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



Date: 1 JUN.2020 07:24:25

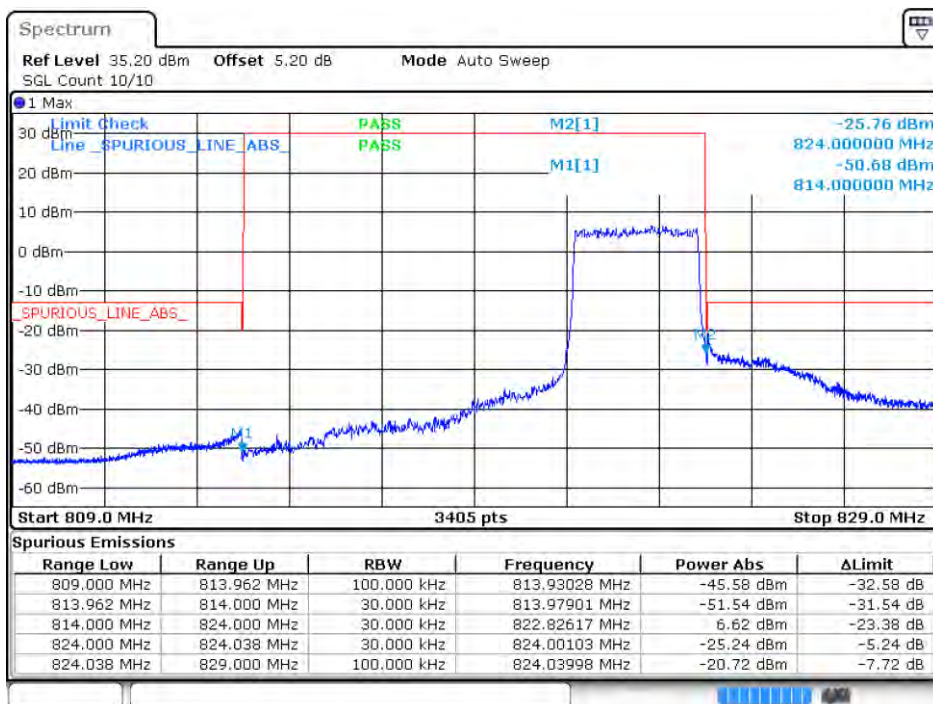
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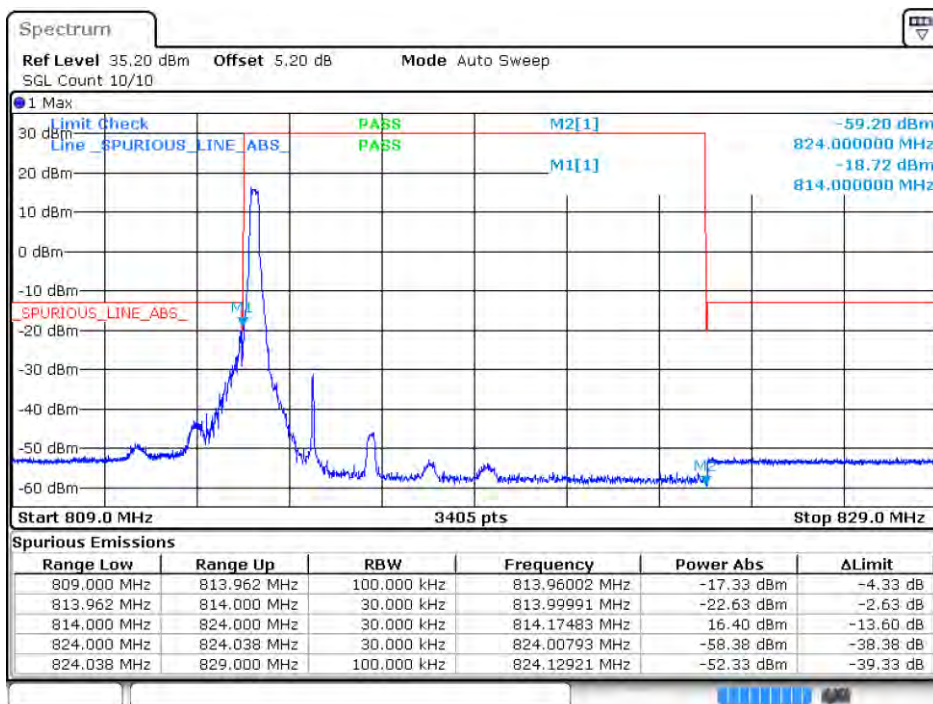
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Date: 26 MAY. 2020 02:35:53



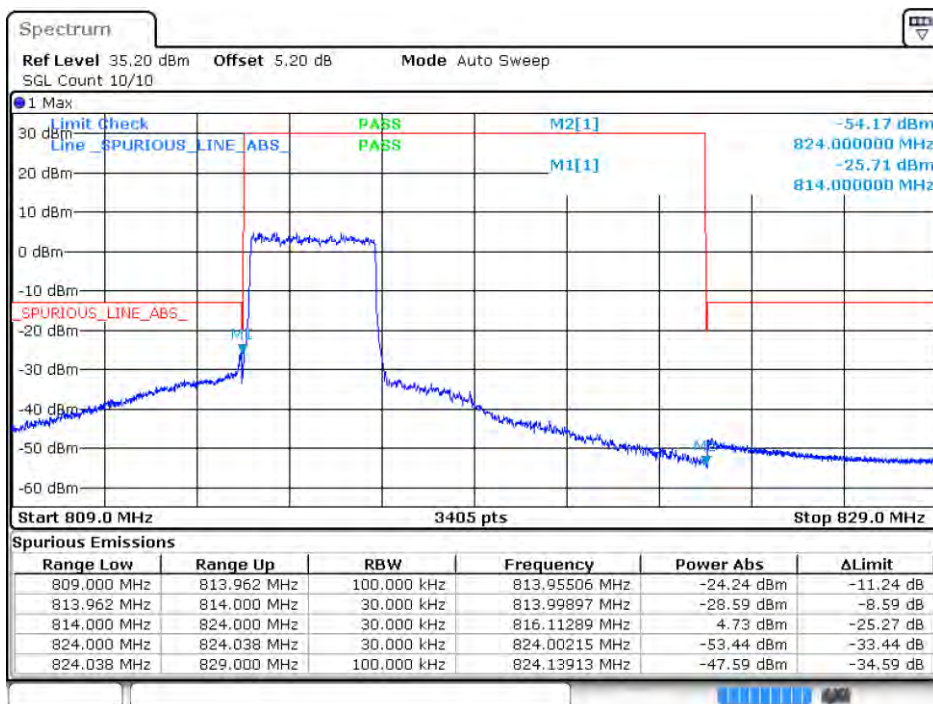
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Date: 26 MAY. 2020 02:31:24



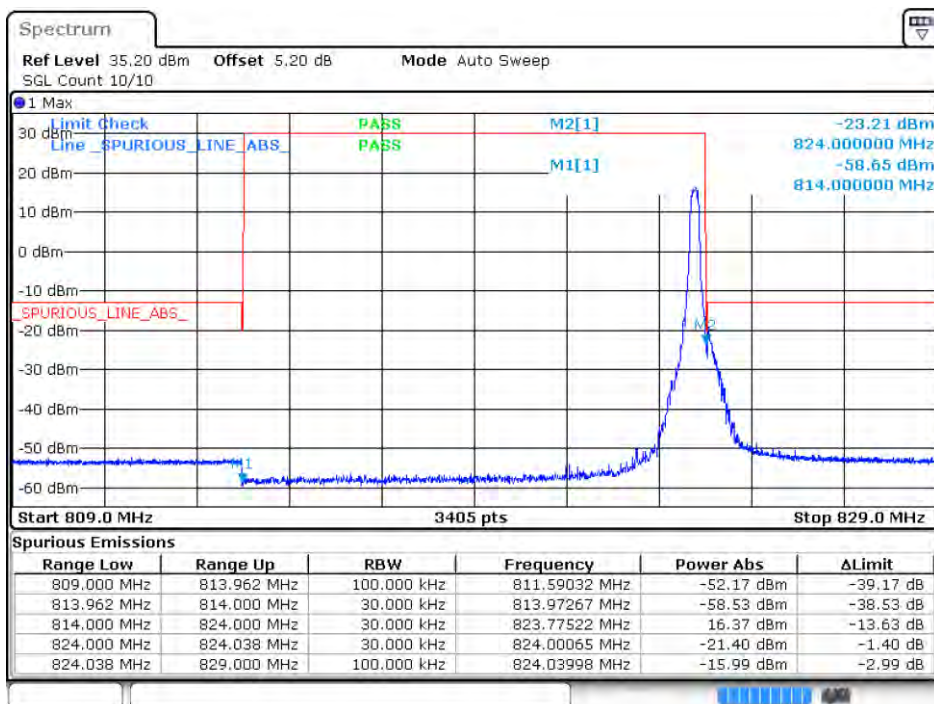
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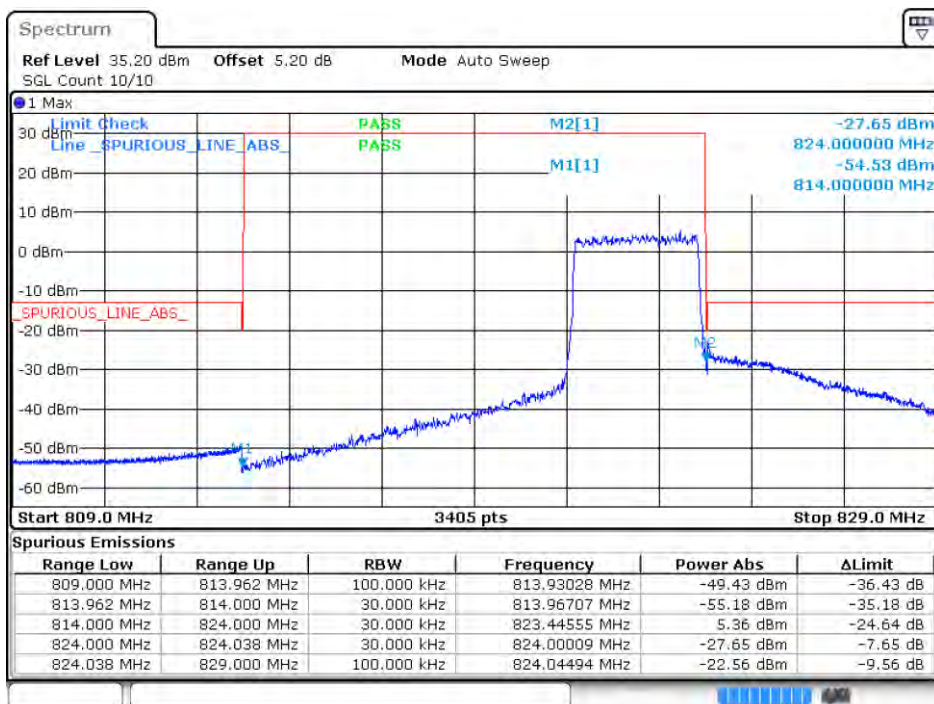
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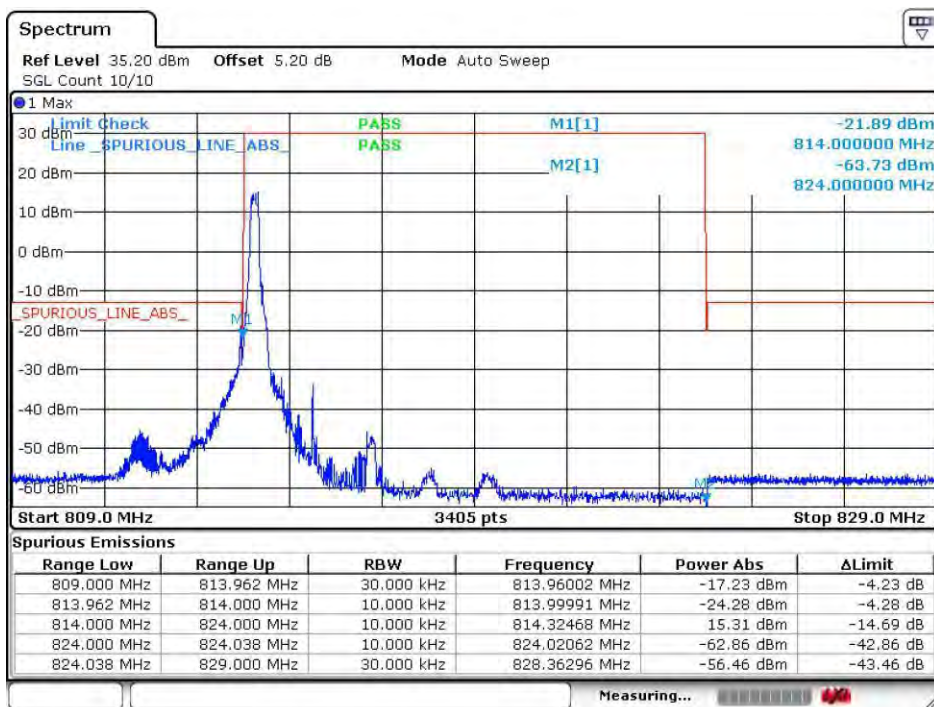
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Date: 26 MAY. 2020 02:37:10



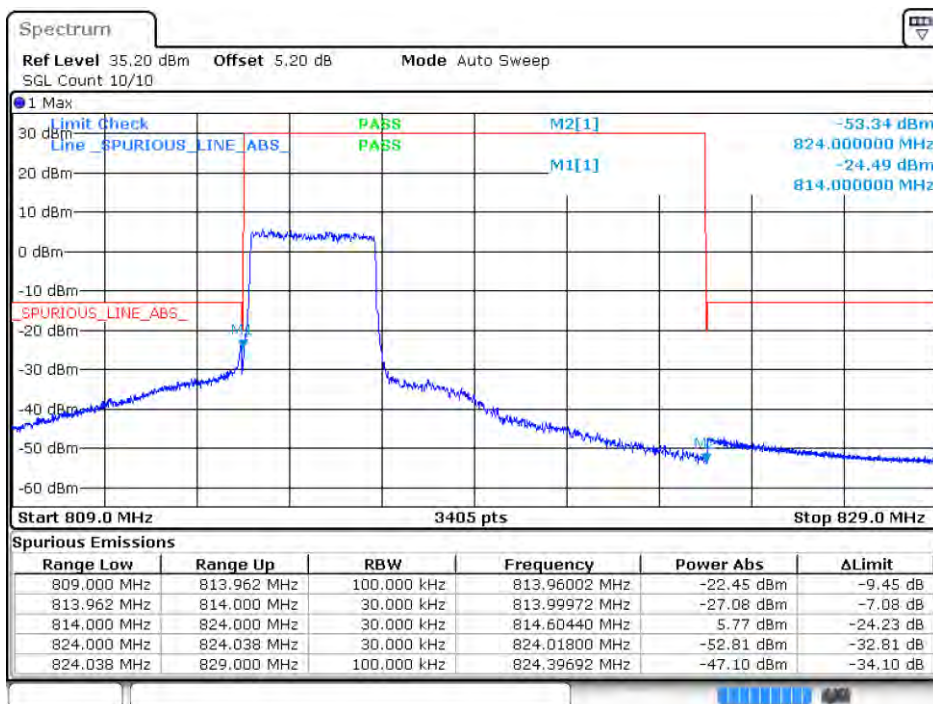
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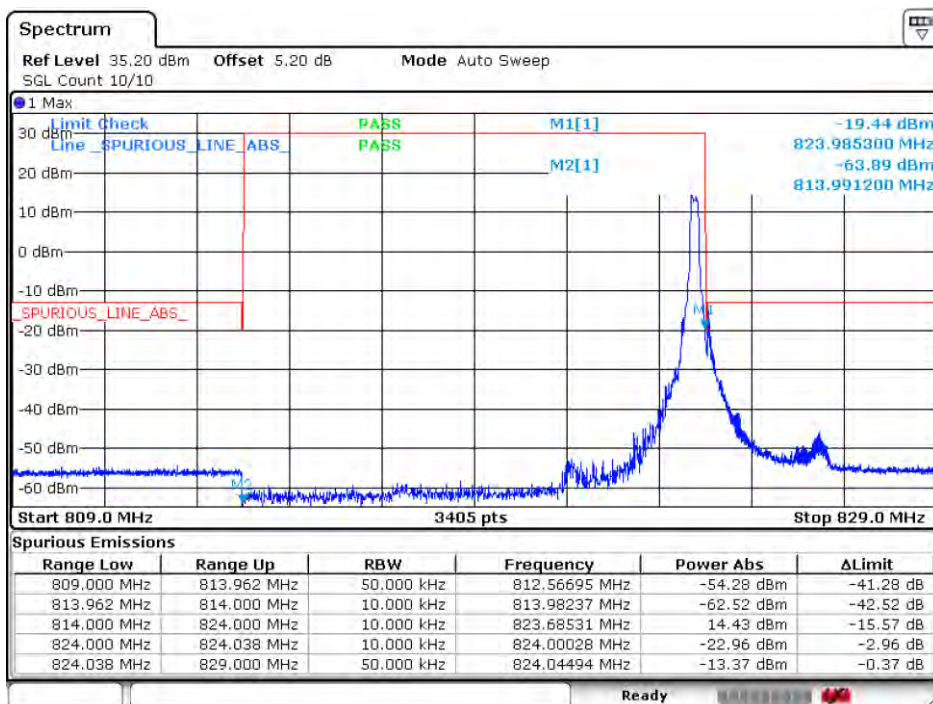
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Date: 26 MAY. 2020 02:34:37



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



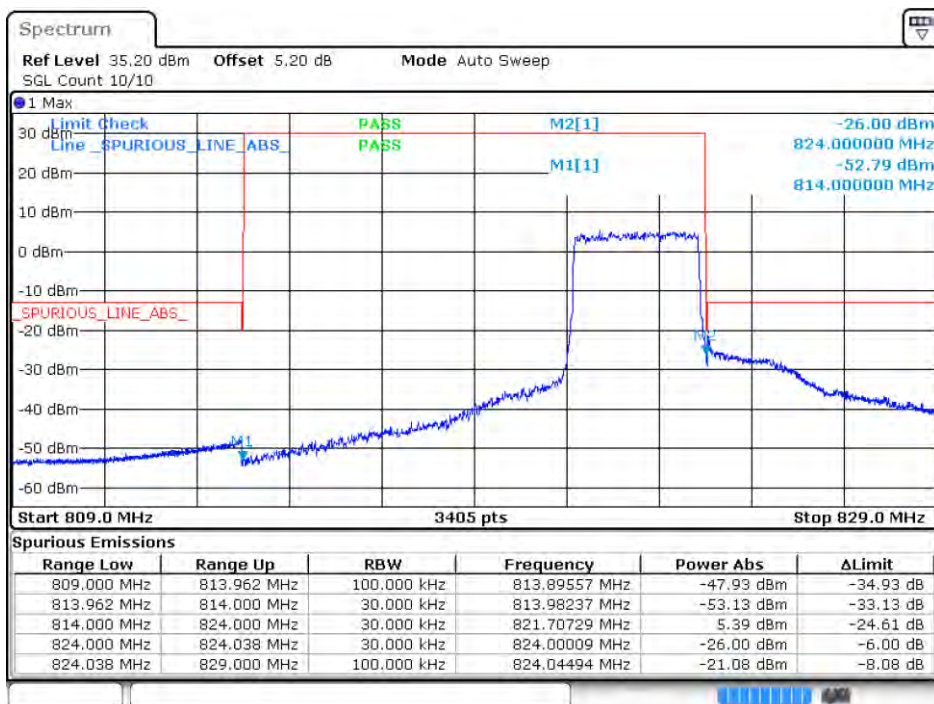
Date: 1 JUN.2020 07:22:19



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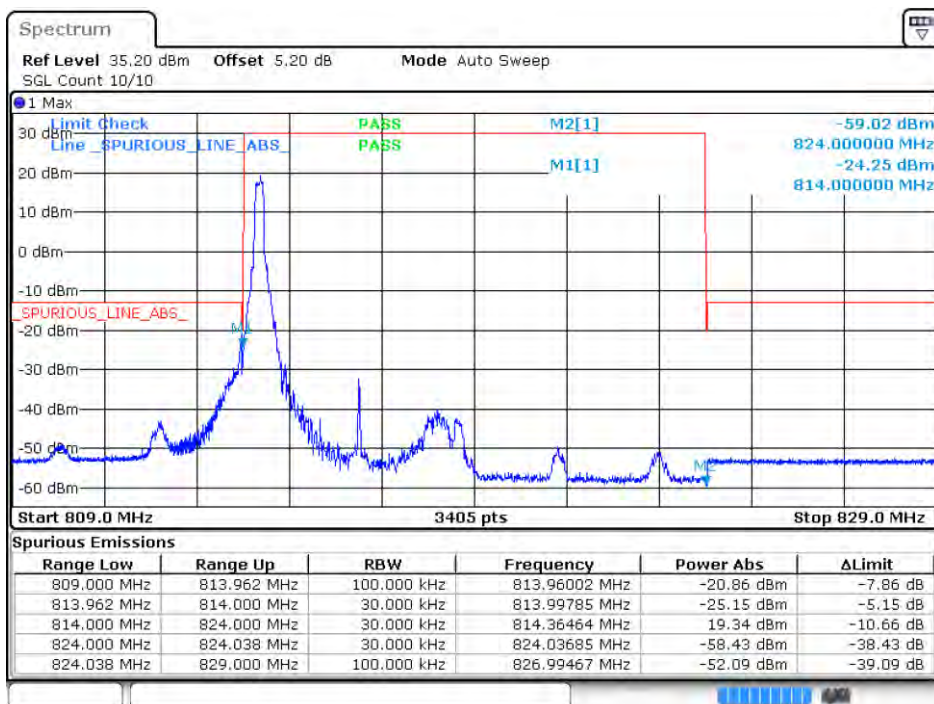
Band26-3MHz-16QAM-26775-15RB#0



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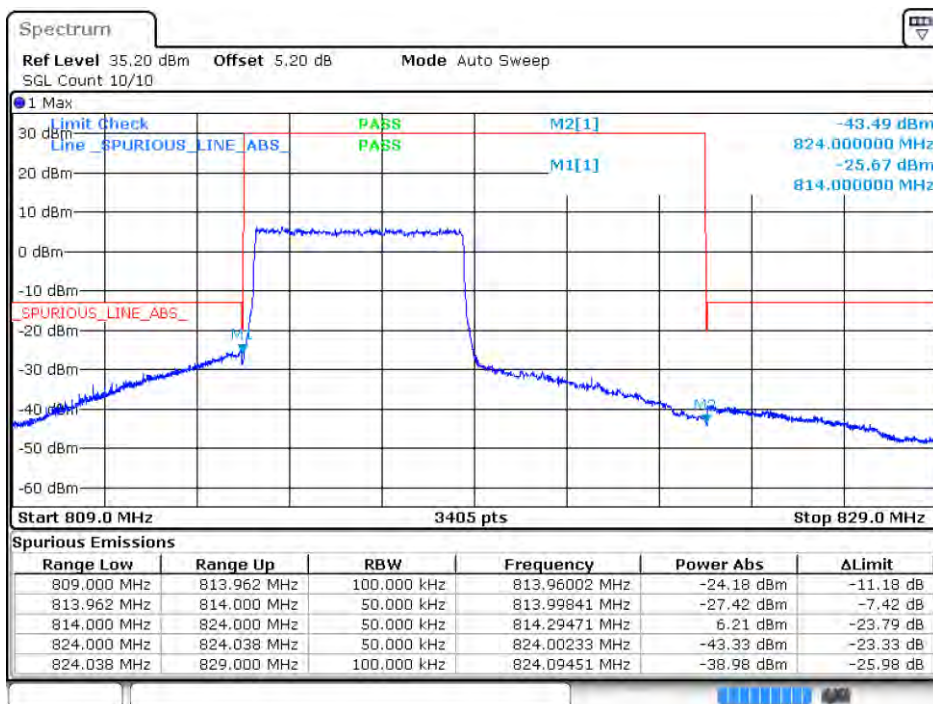
Band26-5MHz-QPSK-26715-1RB#0



Date: 26 MAY. 2020 02:37:50



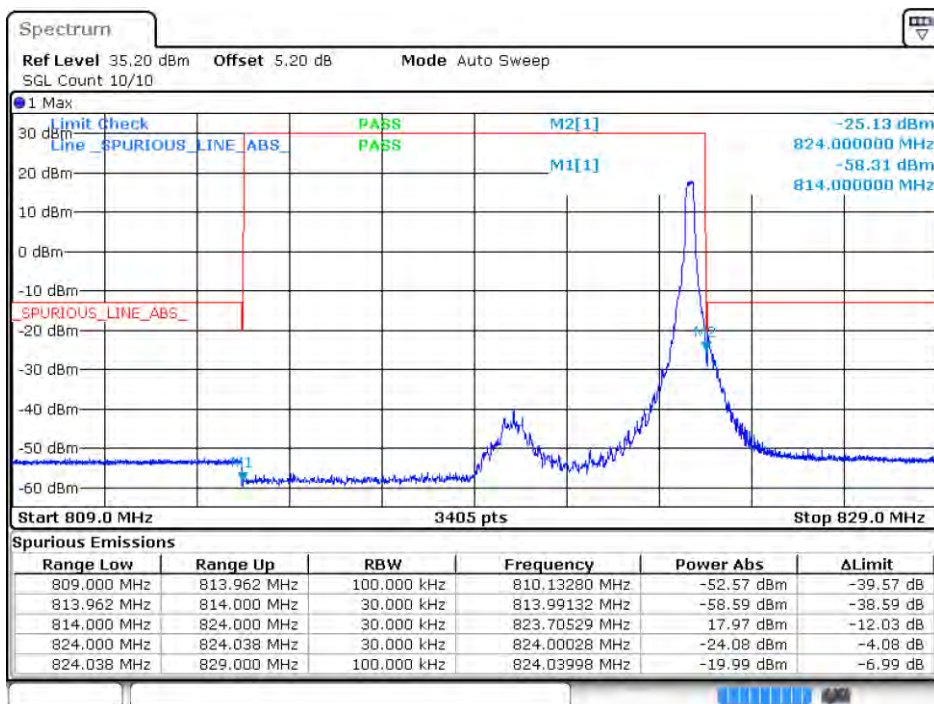
Band26-5MHz-QPSK-26715-25RB#0



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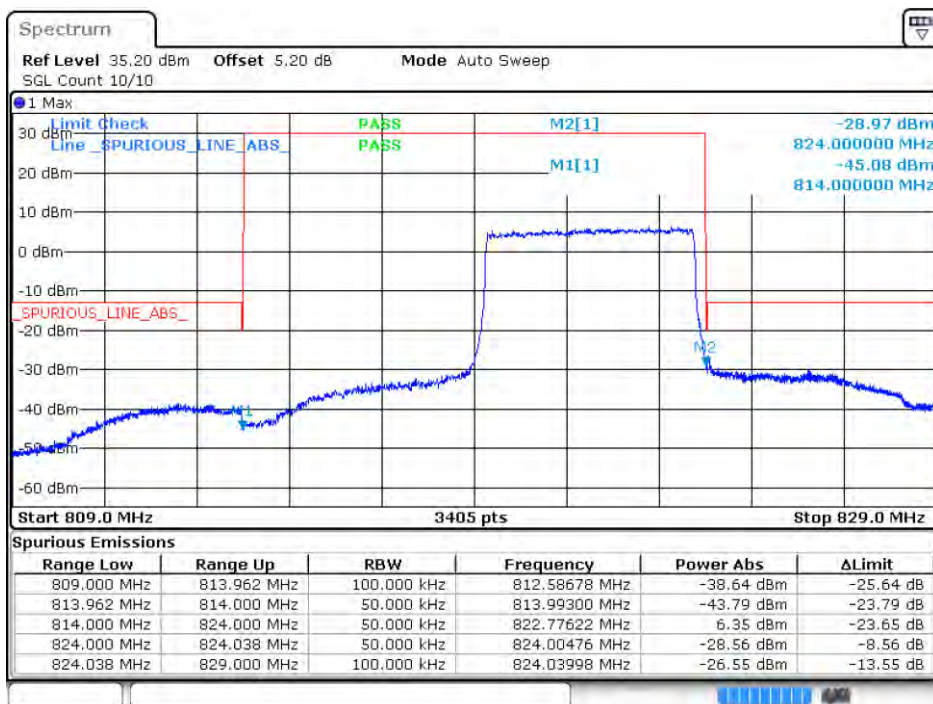
Band26-5MHz-QPSK-26765-1RB#24



Date: 26 MAY. 2020 02:39:45



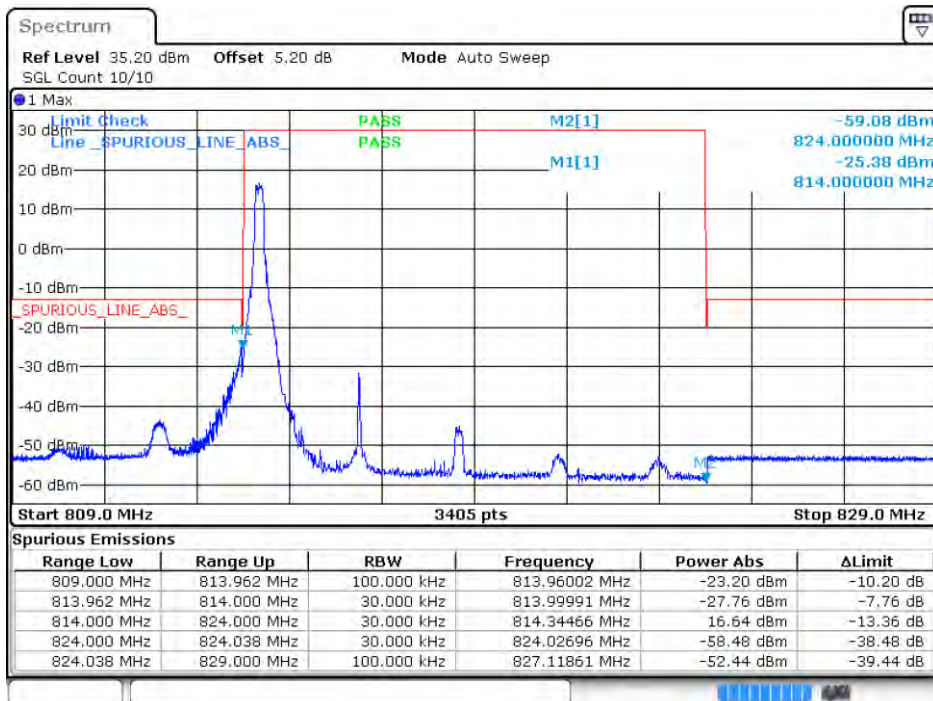
Band26-5MHz-QPSK-26765-25RB#0



Date: 26 MAY. 2020 02:43:35



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



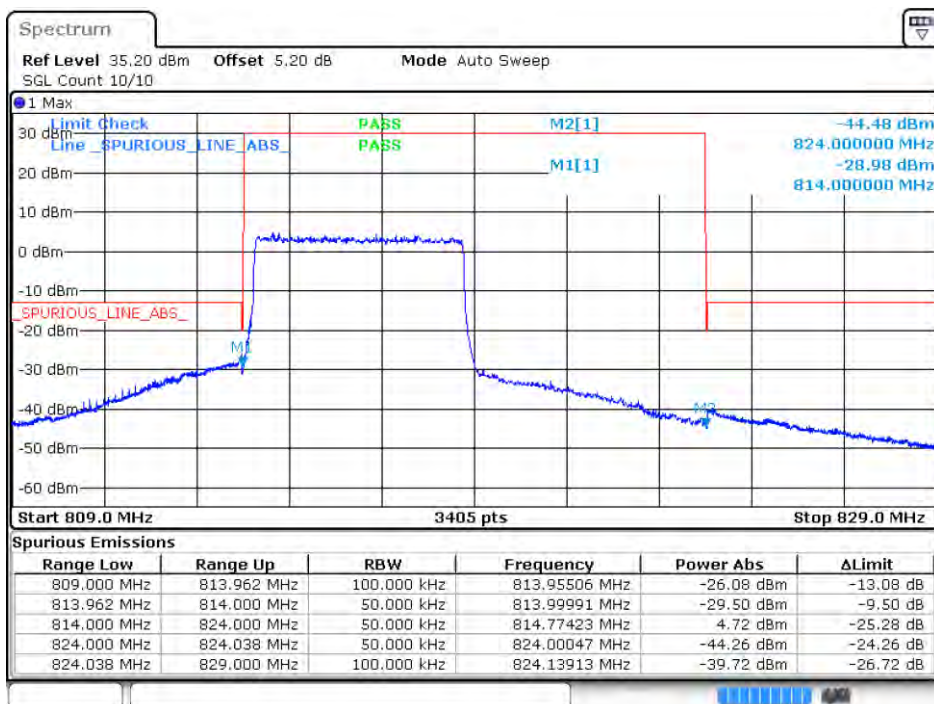
Date: 26 MAY 2020 02:39:06



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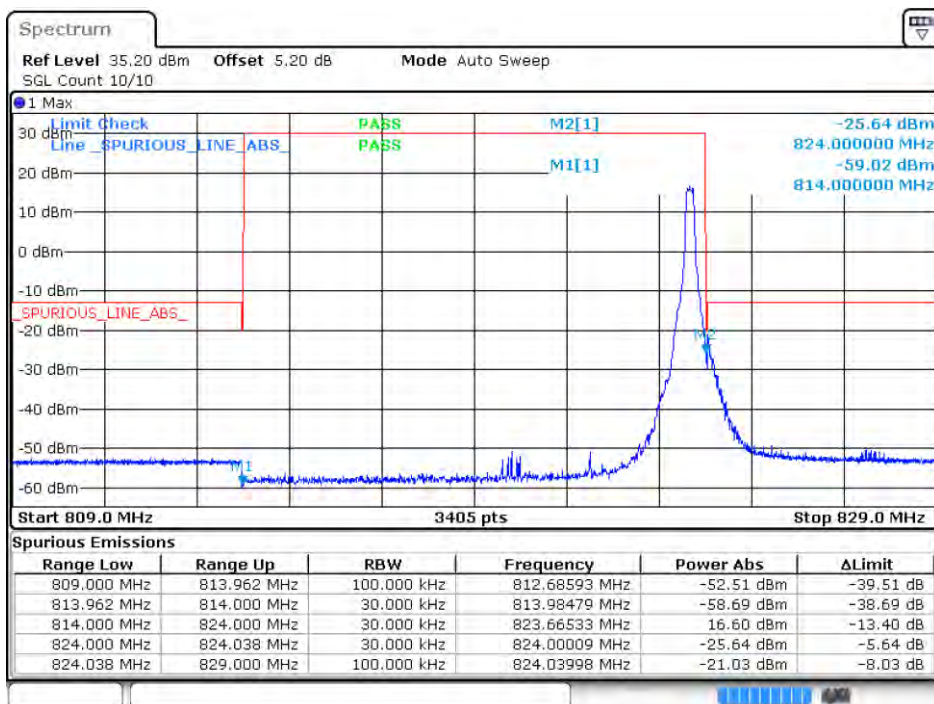
Band26-5MHz-64QAM-26715-25RB#0



Date: 26 MAY. 2020 02:42:57



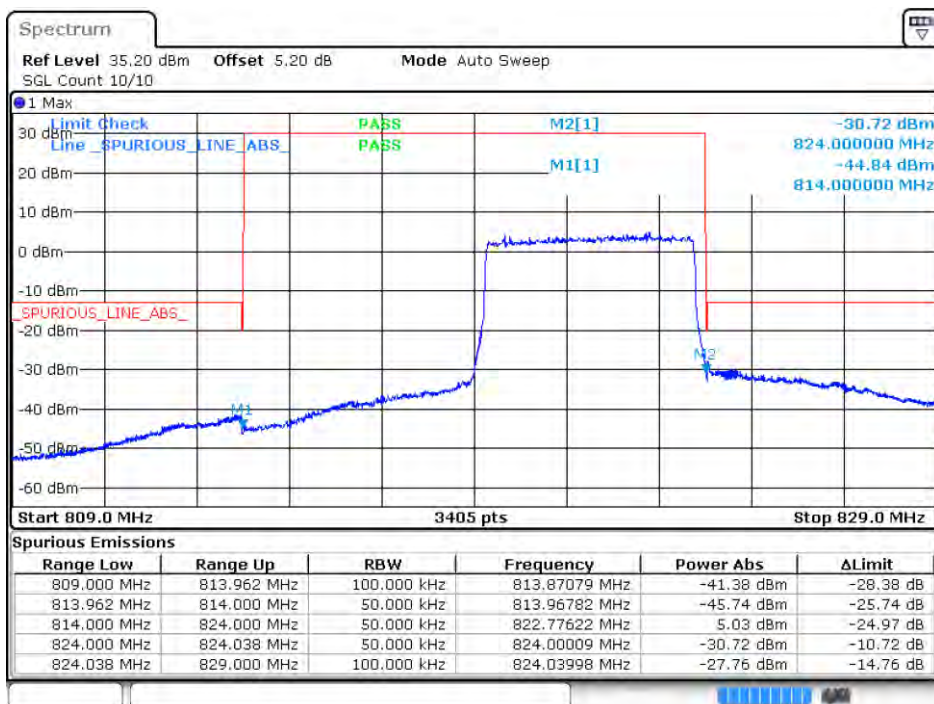
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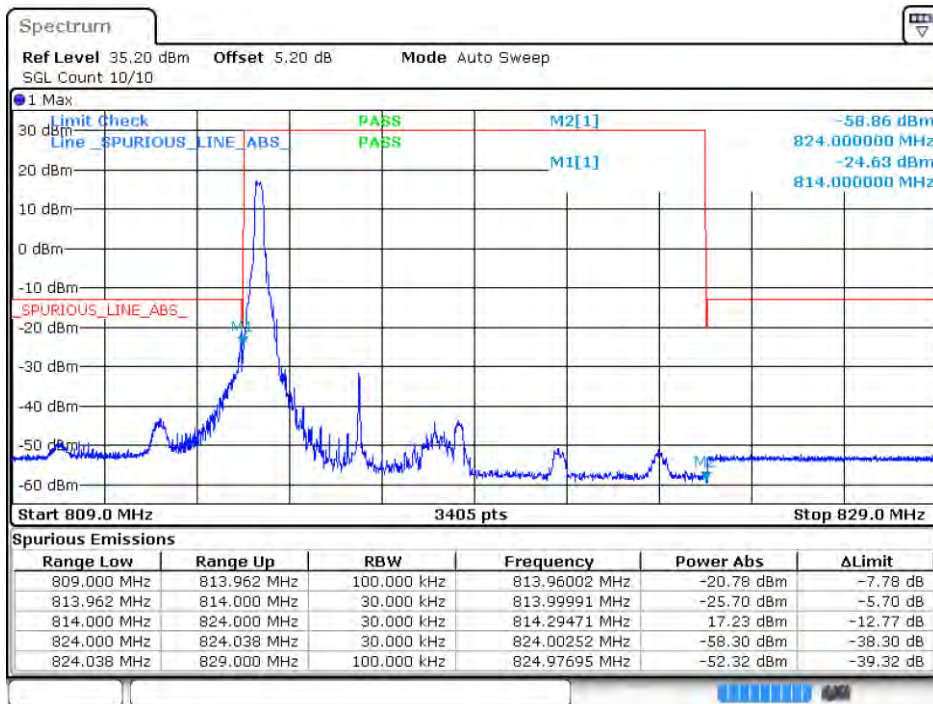
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Date: 26 MAY. 2020 02:44:51



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



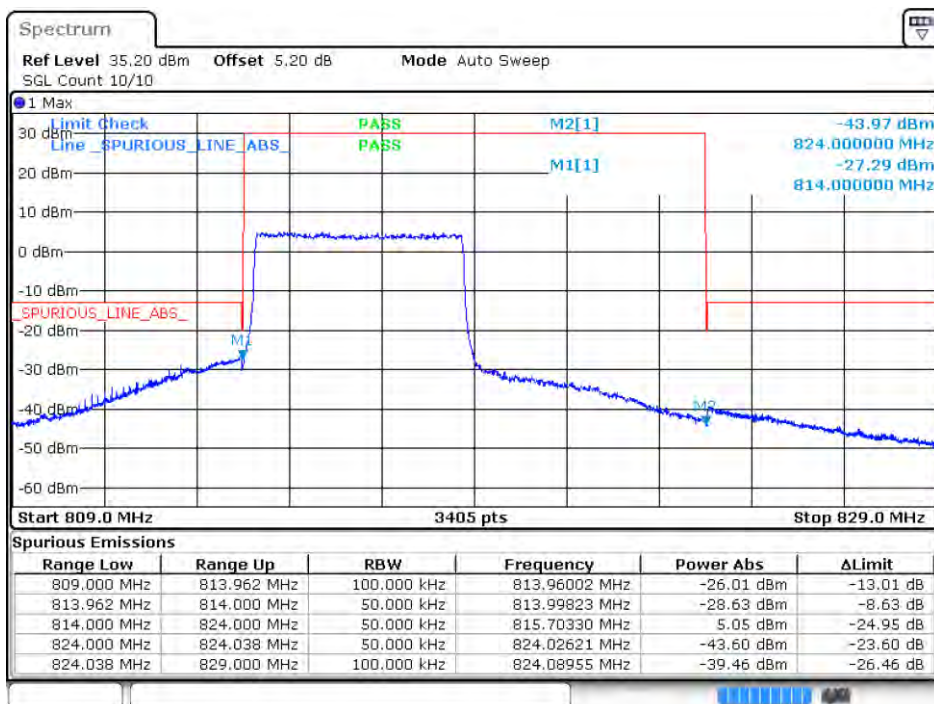
Date: 26 MAY. 2020 02:38:28



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



Date: 26 MAY. 2020 02:42:19

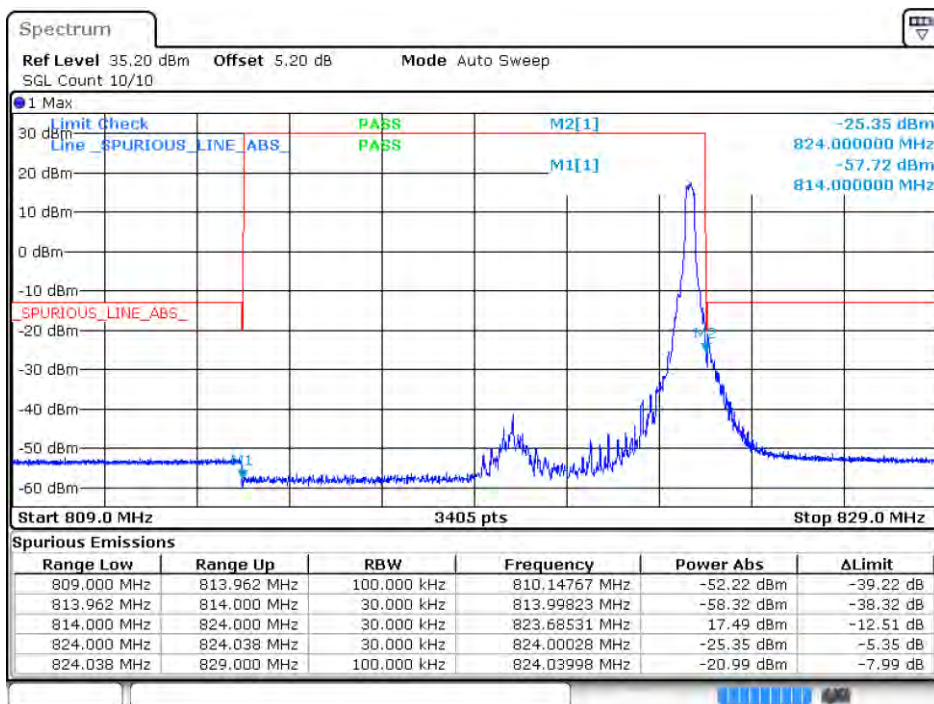
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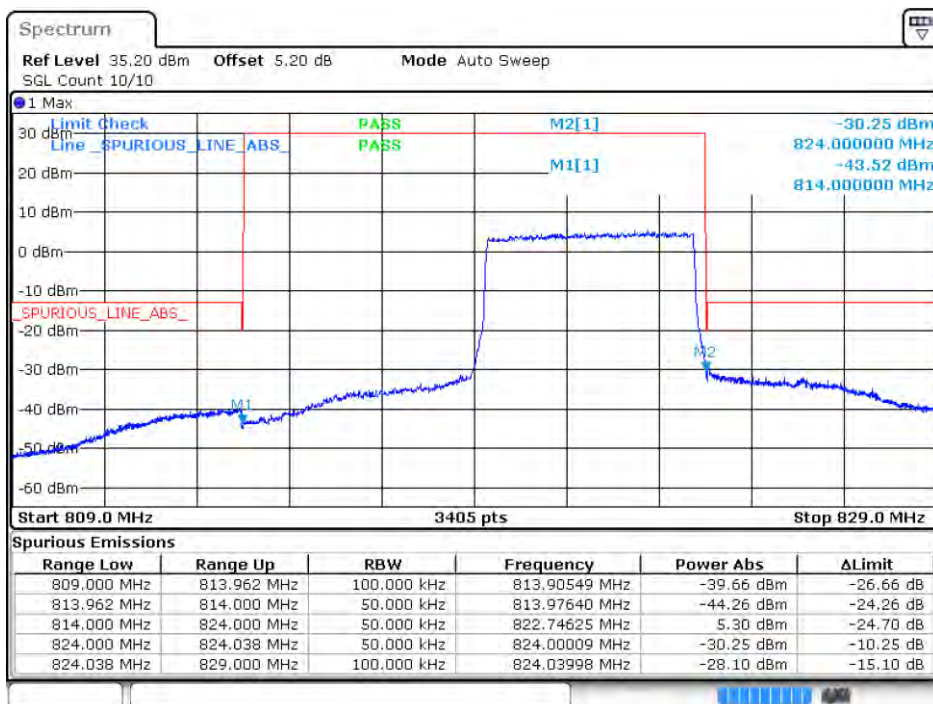
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Date: 26 MAY. 2020 02:40:23



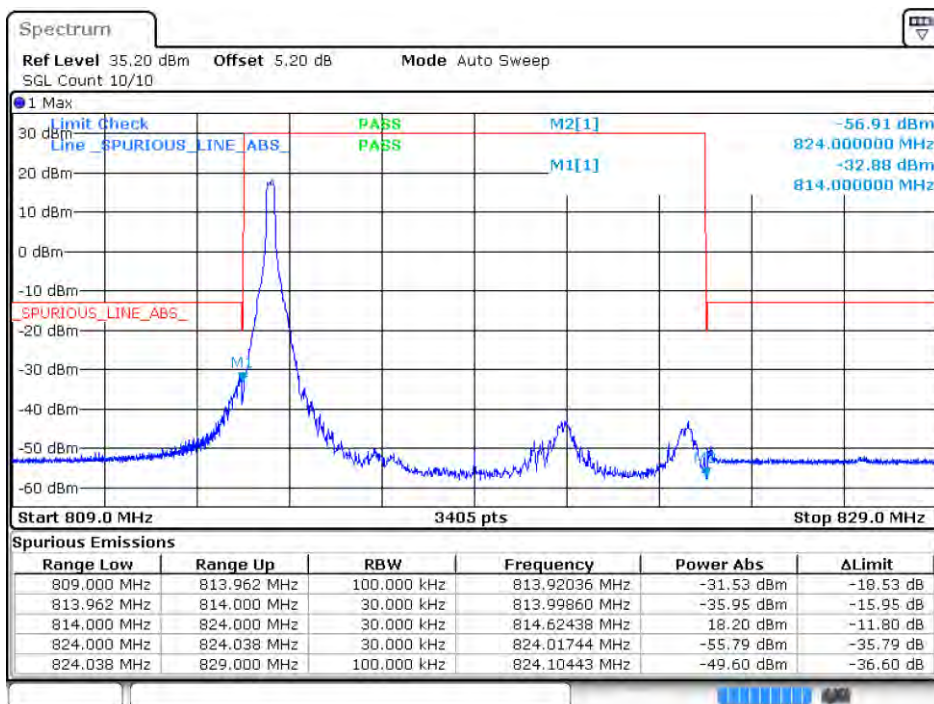
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Date: 26.MAY.2020 02:44:13



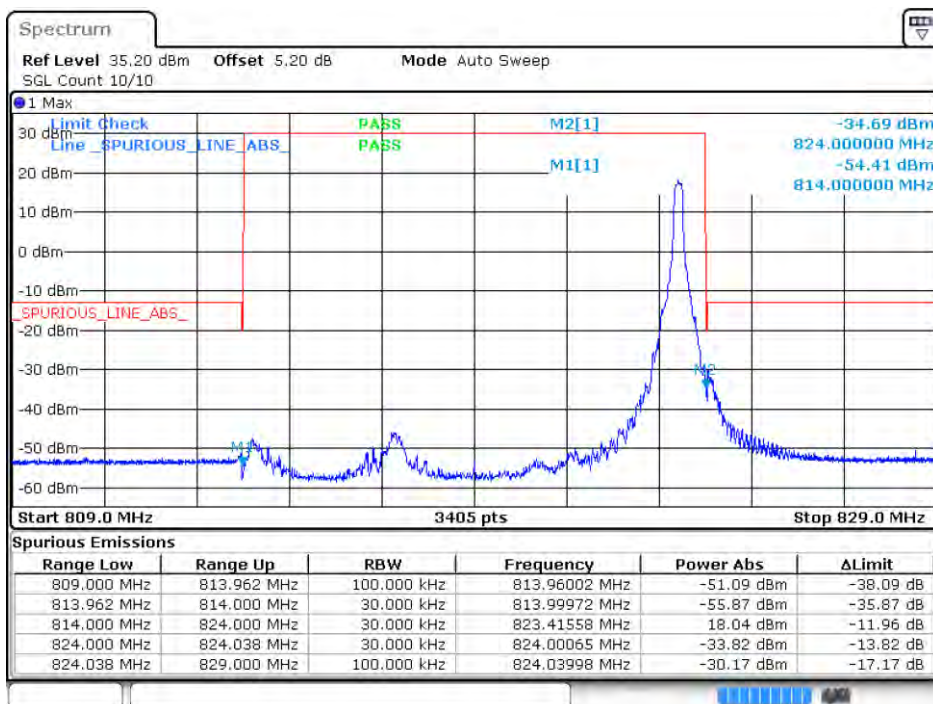
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Date: 26 MAY. 2020 02:45:32



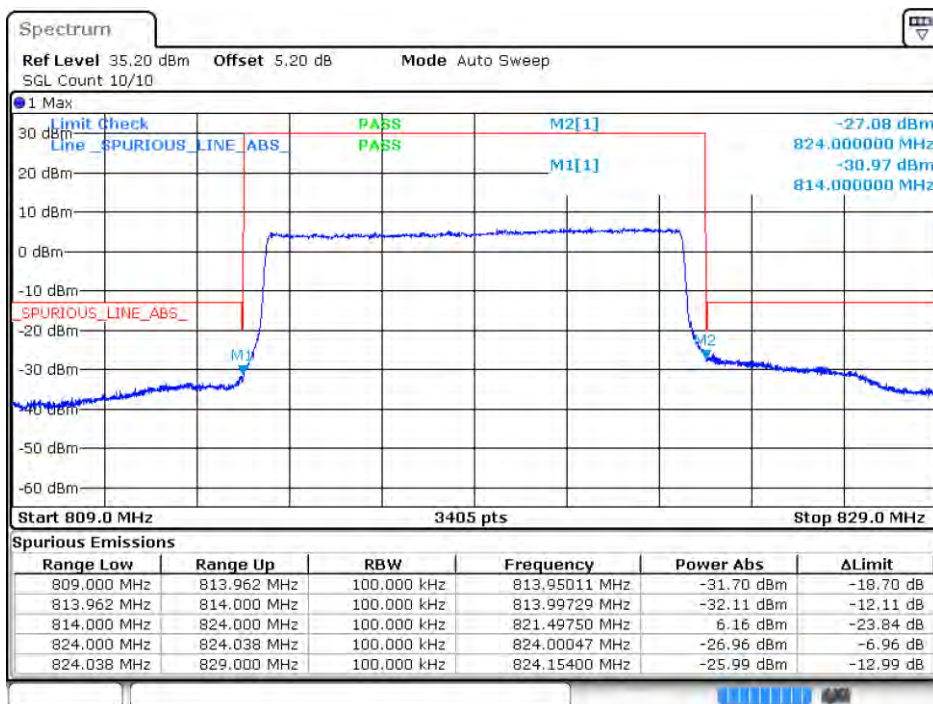
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Date: 26 MAY. 2020 02:46:10



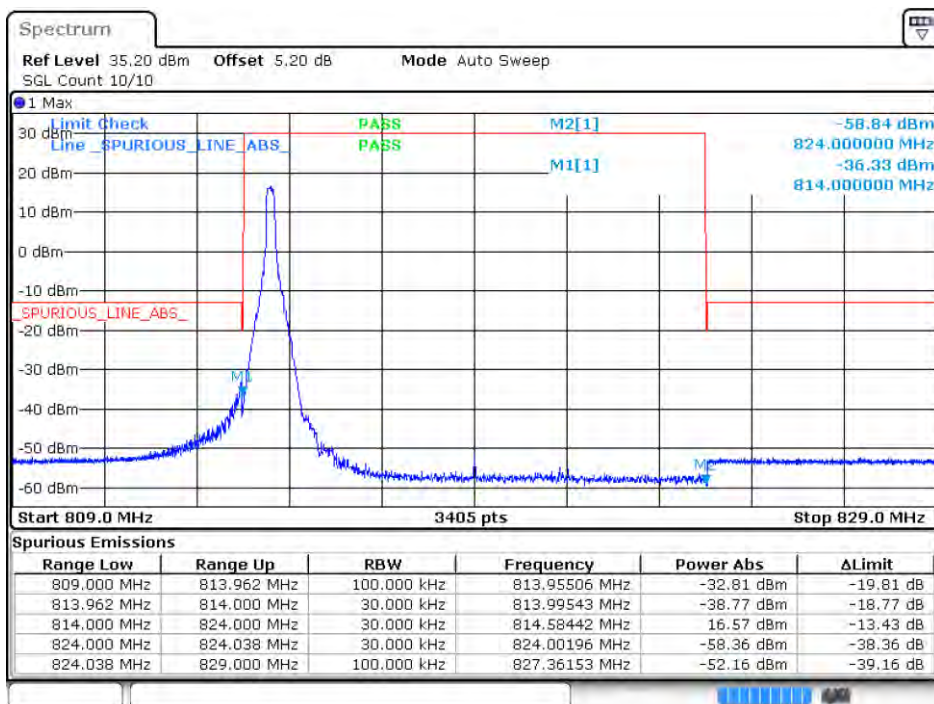
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Date: 26 MAY. 2020 02:49:22



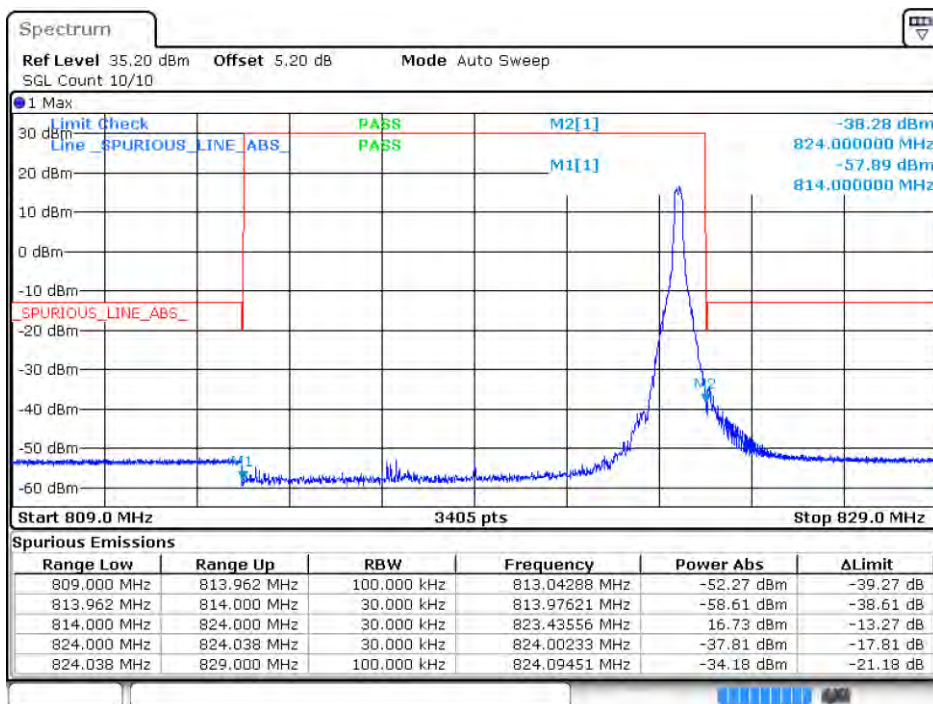
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Date: 26 MAY. 2020 02:48:05



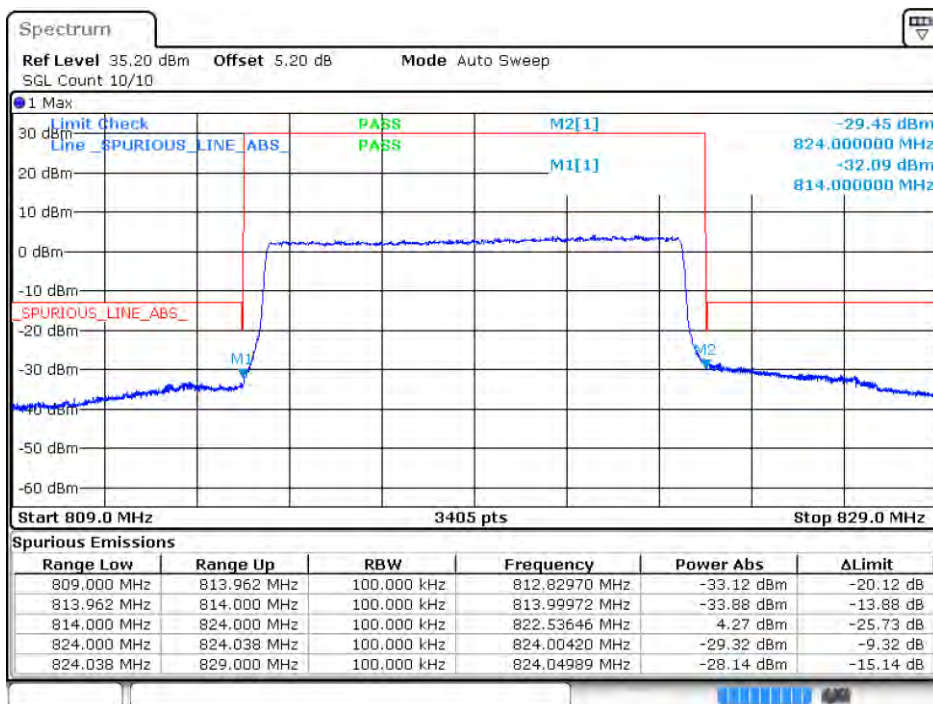
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Date: 26 MAY. 2020 02:48:43



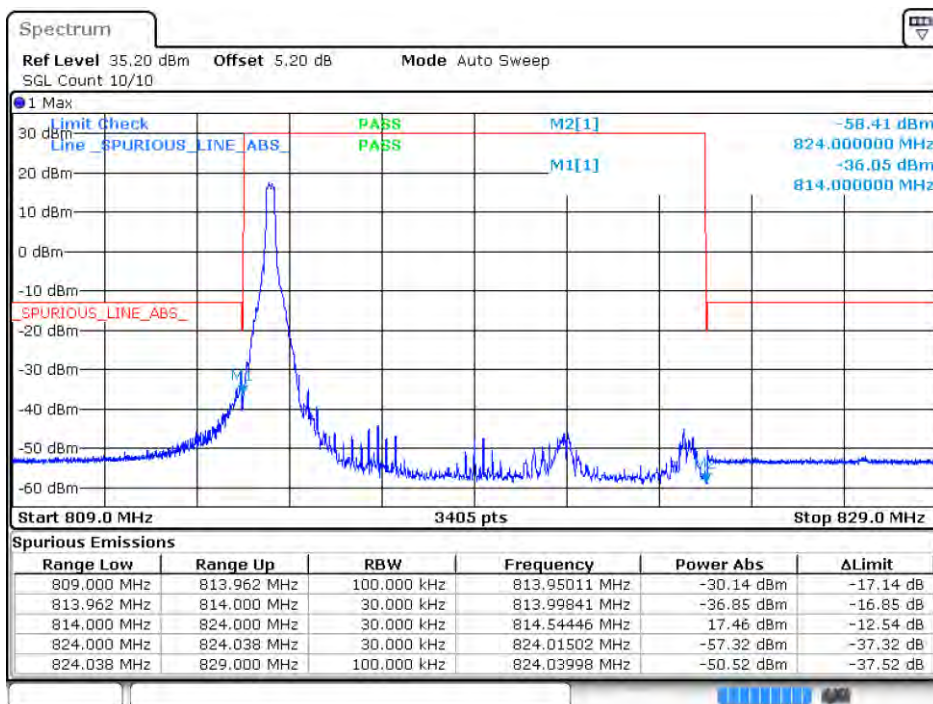
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Date: 26 MAY. 2020 02:50:38



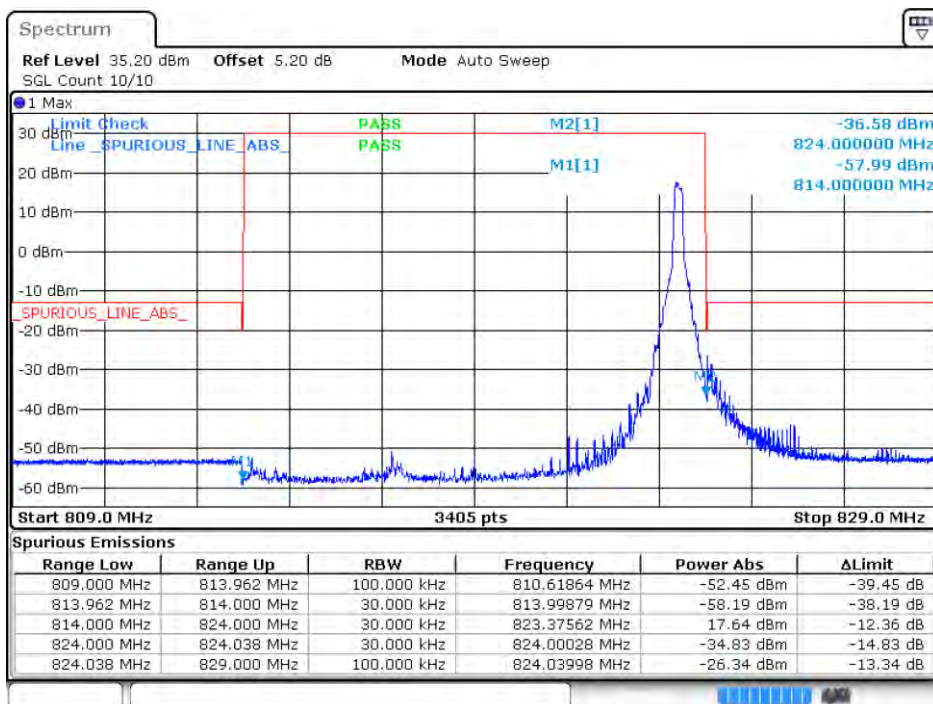
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Date: 26 MAY. 2020 02:46:48



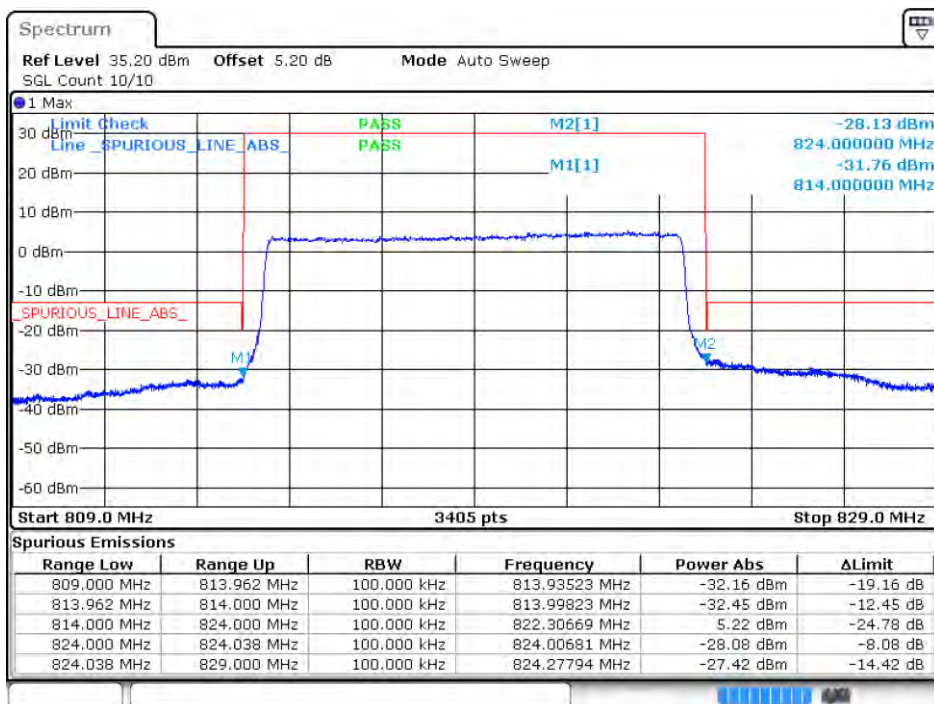
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Date: 26 MAY. 2020 02:47:26



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



Date: 26 MAY. 2020 02:50:00

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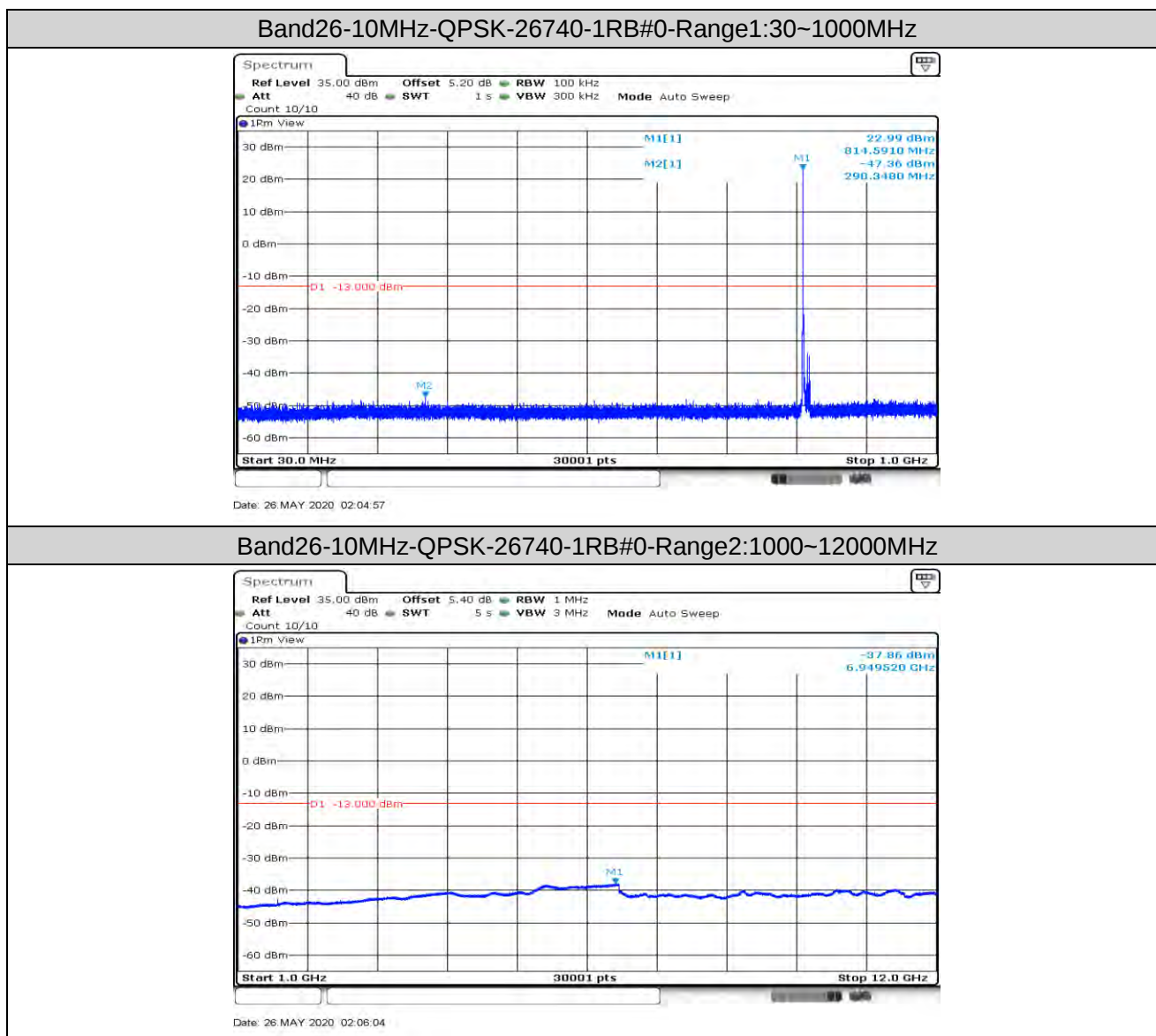
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6. Spurious Emission at Antenna Terminal

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 = $k * (\text{Span} / RBW)$ " 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.

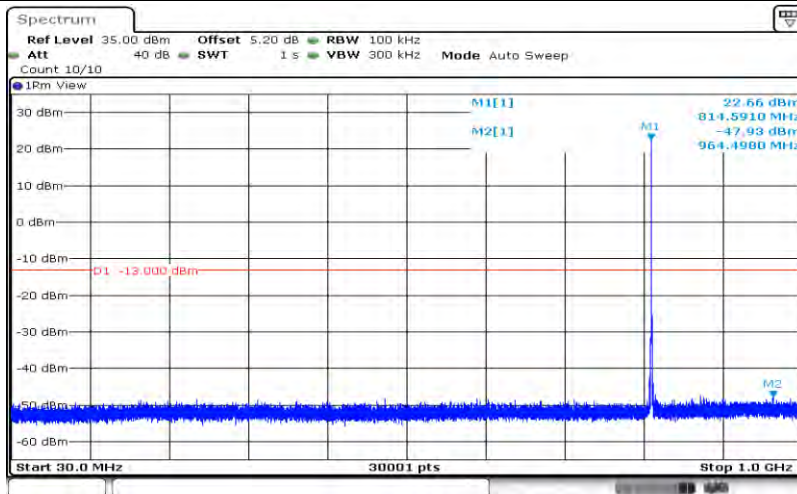
6.1. Test Plots



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



Date: 26 MAY 2020 02:19:22

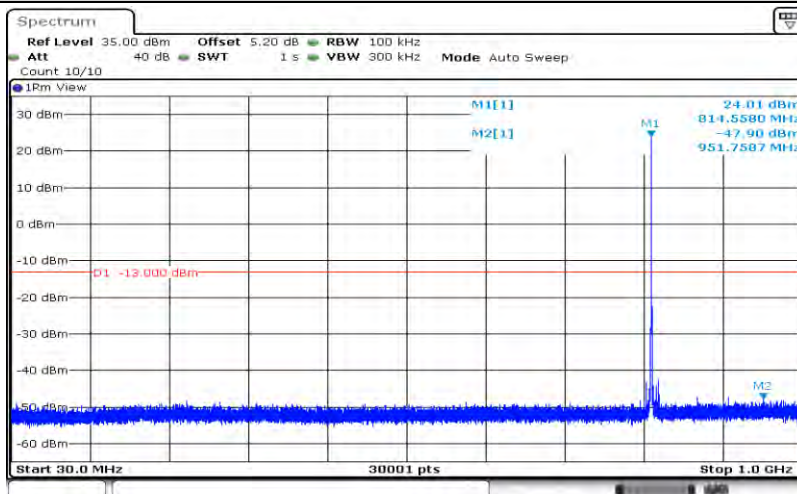
Band26-10MHz-64QAM-26740-1RB#0-Range2:1000~12000MHz



Date: 26 MAY 2020 02:20:29

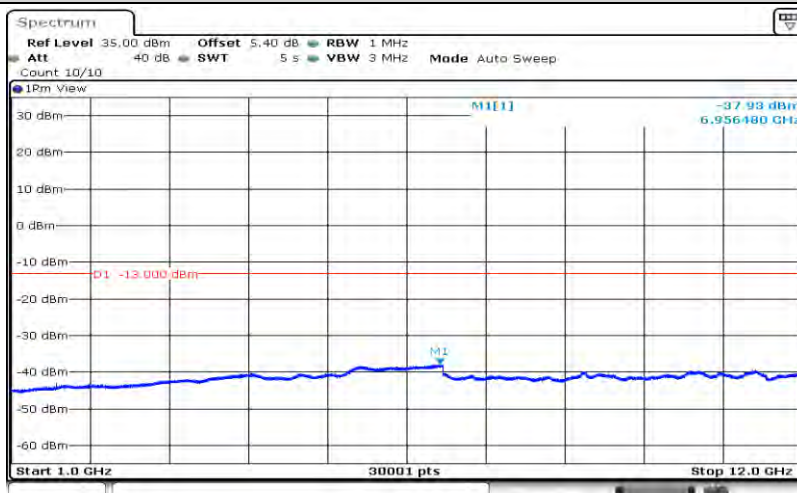


Band26-10MHz-16QAM-26740-1RB#0-Range1:30~1000MHz



Date: 26 MAY 2020 02:06:24

Band26-10MHz-16QAM-26740-1RB#0-Range2:1000~12000MHz



Date: 26 MAY 2020 02:07:31



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 10MHz

7.1.1. Test Channel = MCH (Down Antenna)

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
47.5094	-70.14	-13.00	57.14	Vertical
110.6110	-62.45	-13.00	49.45	Vertical
450.9040	-64.87	-13.00	51.87	Vertical
2452.6905	-52.09	-13.00	39.09	Vertical
5039.0680	-59.57	-13.00	46.57	Vertical
8003.3668	-53.01	-13.00	40.01	Vertical
44.9387	-61.96	-13.00	48.96	Horizontal
239.7245	-64.22	-13.00	51.22	Horizontal
571.6751	-61.21	-13.00	48.21	Horizontal
2454.2909	-50.83	-13.00	37.83	Horizontal
5125.4708	-59.36	-13.00	46.36	Horizontal
7463.9488	-53.29	-13.00	40.29	Horizontal

7.1.2. Test Channel = MCH (Up Antenna)

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.9345	-69.88	-13.00	56.88	Vertical
116.7708	-61.92	-13.00	48.92	Vertical
294.8717	-66.74	-13.00	53.74	Vertical
1715.7431	-60.38	-13.00	47.38	Vertical
3598.8200	-60.55	-13.00	47.55	Vertical
7414.9472	-53.05	-13.00	40.05	Vertical
43.9202	-62.66	-13.00	49.66	Horizontal
244.4777	-65.89	-13.00	52.89	Horizontal
532.5336	-62.21	-13.00	49.21	Horizontal
2701.5403	-50.69	-13.00	37.69	Horizontal
5661.2887	-57.85	-13.00	44.85	Horizontal
7451.5484	-53.33	-13.00	40.33	Horizontal



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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 [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2 6	10MHz	QPSK	26740	50RB#0	VL	NT	-5.90	-0.007204	±2.5	PASS
Band2 6	10MHz	QPSK	26740	50RB#0	VN	NT	-4.20	-0.005128	±2.5	PASS
Band2 6	10MHz	QPSK	26740	50RB#0	VH	NT	-2.80	-0.003419	±2.5	PASS
Band2 6	10MHz	64QAM	26740	50RB#0	VL	NT	-3.80	-0.004640	±2.5	PASS
Band2 6	10MHz	64QAM	26740	50RB#0	VN	NT	-3.50	-0.004274	±2.5	PASS
Band2 6	10MHz	64QAM	26740	50RB#0	VH	NT	-4.10	-0.005006	±2.5	PASS
Band2 6	10MHz	16QAM	26740	50RB#0	VL	NT	-6.50	-0.007937	±2.5	PASS
Band2 6	10MHz	16QAM	26740	50RB#0	VN	NT	-0.40	-0.000488	±2.5	PASS
Band2 6	10MHz	16QAM	26740	50RB#0	VH	NT	-3.10	-0.003785	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	NV	-30	-4.40	-0.005372	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	-20	-5.30	-0.006471	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	0	-0.70	-0.000855	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	10	-0.90	-0.001099	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	20	-1.00	-0.001221	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	30	0.10	0.000122	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	40	-6.40	-0.007814	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	50	-4.30	-0.005250	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	NV	-30	-4.20	-0.005128	±2.5	PASS



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Band26	10MHz	64QAM	26740	50RB#0	NV	-20	-6.00	-0.007326	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	NV	0	-4.30	-0.005250	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	NV	10	-7.40	-0.009035	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	NV	20	-5.60	-0.006838	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	NV	30	0.90	0.001099	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	NV	40	-3.90	-0.004762	±2.5	PASS
Band26	10MHz	64QAM	26740	50RB#0	NV	50	-0.20	-0.000244	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	-30	-7.00	-0.008547	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	-20	-0.20	-0.000244	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	0	-7.10	-0.008669	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	10	-2.50	-0.003053	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	20	-5.60	-0.006838	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	30	-5.50	-0.006716	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	40	-2.30	-0.002808	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	50	-6.50	-0.007937	±2.5	PASS

The End



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