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#0	23.47	PASS
Band26	1.4MHz	QPSK	26697	1RB#2	23.06	PASS
Band26	1.4MHz	QPSK	26697	1RB#5	23.04	PASS
Band26	1.4MHz	QPSK	26697	3RB#0	23.31	PASS
Band26	1.4MHz	QPSK	26697	3RB#2	23.37	PASS
Band26	1.4MHz	QPSK	26697	3RB#3	23.45	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	22.30	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	23.09	PASS
Band26	1.4MHz	QPSK	26740	1RB#2	23.06	PASS
Band26	1.4MHz	QPSK	26740	1RB#5	23.46	PASS
Band26	1.4MHz	QPSK	26740	3RB#0	23.39	PASS
Band26	1.4MHz	QPSK	26740	3RB#2	23.46	PASS
Band26	1.4MHz	QPSK	26740	3RB#3	23.27	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	22.01	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	23.18	PASS
Band26	1.4MHz	QPSK	26783	1RB#2	23.43	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	23.46	PASS
Band26	1.4MHz	QPSK	26783	3RB#0	23.23	PASS
Band26	1.4MHz	QPSK	26783	3RB#2	23.28	PASS
Band26	1.4MHz	QPSK	26783	3RB#3	23.09	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	22.03	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	22.50	PASS
Band26	1.4MHz	16QAM	26697	1RB#2	22.44	PASS
Band26	1.4MHz	16QAM	26697	1RB#5	22.18	PASS
Band26	1.4MHz	16QAM	26697	3RB#0	22.15	PASS
Band26	1.4MHz	16QAM	26697	3RB#2	22.31	PASS
Band26	1.4MHz	16QAM	26697	3RB#3	22.00	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	21.28	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	22.15	PASS
Band26	1.4MHz	16QAM	26740	1RB#2	22.06	PASS
Band26	1.4MHz	16QAM	26740	1RB#5	22.47	PASS
Band26	1.4MHz	16QAM	26740	3RB#0	22.20	PASS

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Band26	1.4MHz	16QAM	26740	3RB#2	22.21	PASS
Band26	1.4MHz	16QAM	26740	3RB#3	22.43	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	21.35	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	22.40	PASS
Band26	1.4MHz	16QAM	26783	1RB#2	22.03	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	22.50	PASS
Band26	1.4MHz	16QAM	26783	3RB#0	22.23	PASS
Band26	1.4MHz	16QAM	26783	3RB#2	22.13	PASS
Band26	1.4MHz	16QAM	26783	3RB#3	22.35	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	21.22	PASS
Band26	3MHz	QPSK	26705	1RB#0	23.46	PASS
Band26	3MHz	QPSK	26705	1RB#7	23.05	PASS
Band26	3MHz	QPSK	26705	1RB#14	23.17	PASS
Band26	3MHz	QPSK	26705	15RB#0	22.23	PASS
Band26	3MHz	QPSK	26705	8RB#0	22.02	PASS
Band26	3MHz	QPSK	26705	8RB#7	22.10	PASS
Band26	3MHz	QPSK	26705	15RB#0	22.30	PASS
Band26	3MHz	QPSK	26740	1RB#0	23.24	PASS
Band26	3MHz	QPSK	26740	1RB#7	23.01	PASS
Band26	3MHz	QPSK	26740	1RB#14	23.03	PASS
Band26	3MHz	QPSK	26740	15RB#0	22.06	PASS
Band26	3MHz	QPSK	26740	8RB#0	22.41	PASS
Band26	3MHz	QPSK	26740	8RB#7	22.11	PASS
Band26	3MHz	QPSK	26740	15RB#0	22.32	PASS
Band26	3MHz	QPSK	26775	1RB#0	23.23	PASS
Band26	3MHz	QPSK	26775	1RB#7	23.48	PASS
Band26	3MHz	QPSK	26775	1RB#14	23.32	PASS
Band26	3MHz	QPSK	26775	15RB#0	22.41	PASS
Band26	3MHz	QPSK	26775	8RB#0	22.12	PASS
Band26	3MHz	QPSK	26775	8RB#7	22.35	PASS
Band26	3MHz	QPSK	26775	15RB#0	22.07	PASS
Band26	3MHz	16QAM	26705	1RB#0	22.14	PASS
Band26	3MHz	16QAM	26705	1RB#7	22.10	PASS
Band26	3MHz	16QAM	26705	1RB#14	22.11	PASS
Band26	3MHz	16QAM	26705	15RB#0	21.42	PASS
Band26	3MHz	16QAM	26705	8RB#0	21.44	PASS
Band26	3MHz	16QAM	26705	8RB#7	21.37	PASS
Band26	3MHz	16QAM	26705	15RB#0	21.12	PASS
Band26	3MHz	16QAM	26740	1RB#0	22.29	PASS

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Band26	3MHz	16QAM	26740	1RB#14	22.48	PASS
Band26	3MHz	16QAM	26740	15RB#0	21.30	PASS
Band26	3MHz	16QAM	26740	8RB#0	21.33	PASS
Band26	3MHz	16QAM	26740	8RB#7	21.15	PASS
Band26	3MHz	16QAM	26740	15RB#0	21.22	PASS
Band26	3MHz	16QAM	26775	1RB#0	22.26	PASS
Band26	3MHz	16QAM	26775	1RB#7	22.09	PASS
Band26	3MHz	16QAM	26775	1RB#14	22.18	PASS
Band26	3MHz	16QAM	26775	15RB#0	21.06	PASS
Band26	3MHz	16QAM	26775	8RB#0	21.10	PASS
Band26	3MHz	16QAM	26775	8RB#7	21.43	PASS
Band26	3MHz	16QAM	26775	15RB#0	21.17	PASS
Band26	5MHz	QPSK	26715	1RB#0	23.26	PASS
Band26	5MHz	QPSK	26715	1RB#13	23.13	PASS
Band26	5MHz	QPSK	26715	1RB#24	23.13	PASS
Band26	5MHz	QPSK	26715	12RB#0	22.43	PASS
Band26	5MHz	QPSK	26715	12RB#6	22.34	PASS
Band26	5MHz	QPSK	26715	12RB#13	22.45	PASS
Band26	5MHz	QPSK	26715	25RB#0	22.50	PASS
Band26	5MHz	QPSK	26740	1RB#0	23.29	PASS
Band26	5MHz	QPSK	26740	1RB#13	23.35	PASS
Band26	5MHz	QPSK	26740	1RB#24	23.19	PASS
Band26	5MHz	QPSK	26740	12RB#0	22.22	PASS
Band26	5MHz	QPSK	26740	12RB#6	22.11	PASS
Band26	5MHz	QPSK	26740	12RB#13	22.08	PASS
Band26	5MHz	QPSK	26740	25RB#0	22.27	PASS
Band26	5MHz	QPSK	26765	1RB#0	23.25	PASS
Band26	5MHz	QPSK	26765	1RB#13	23.13	PASS
Band26	5MHz	QPSK	26765	1RB#24	23.32	PASS
Band26	5MHz	QPSK	26765	12RB#0	22.03	PASS
Band26	5MHz	QPSK	26765	12RB#6	22.15	PASS
Band26	5MHz	QPSK	26765	12RB#13	22.50	PASS
Band26	5MHz	QPSK	26765	25RB#0	22.19	PASS
Band26	5MHz	16QAM	26715	1RB#0	22.33	PASS
Band26	5MHz	16QAM	26715	1RB#13	22.20	PASS
Band26	5MHz	16QAM	26715	1RB#24	22.07	PASS
Band26	5MHz	16QAM	26715	12RB#0	21.45	PASS
Band26	5MHz	16QAM	26715	12RB#6	21.38	PASS

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Band26	5MHz	16QAM	26715	12RB#13	21.22	PASS
Band26	5MHz	16QAM	26715	25RB#0	21.04	PASS
Band26	5MHz	16QAM	26740	1RB#0	22.06	PASS
Band26	5MHz	16QAM	26740	1RB#13	22.16	PASS
Band26	5MHz	16QAM	26740	1RB#24	22.47	PASS
Band26	5MHz	16QAM	26740	12RB#0	21.24	PASS
Band26	5MHz	16QAM	26740	12RB#6	21.27	PASS
Band26	5MHz	16QAM	26740	12RB#13	21.08	PASS
Band26	5MHz	16QAM	26740	25RB#0	21.26	PASS
Band26	5MHz	16QAM	26765	1RB#0	22.07	PASS
Band26	5MHz	16QAM	26765	1RB#13	22.30	PASS
Band26	5MHz	16QAM	26765	1RB#24	22.33	PASS
Band26	5MHz	16QAM	26765	12RB#0	21.48	PASS
Band26	5MHz	16QAM	26765	12RB#6	21.35	PASS
Band26	5MHz	16QAM	26765	12RB#13	21.24	PASS
Band26	5MHz	16QAM	26765	25RB#0	21.35	PASS
Band26	10MHz	QPSK	26740	1RB#0	23.36	PASS
Band26	10MHz	QPSK	26740	1RB#25	23.36	PASS
Band26	10MHz	QPSK	26740	1RB#49	23.42	PASS
Band26	10MHz	QPSK	26740	25RB#0	22.02	PASS
Band26	10MHz	QPSK	26740	25RB#13	22.28	PASS
Band26	10MHz	QPSK	26740	25RB#25	22.02	PASS
Band26	10MHz	QPSK	26740	50RB#0	22.21	PASS
Band26	10MHz	16QAM	26740	1RB#0	22.34	PASS
Band26	10MHz	16QAM	26740	1RB#25	22.46	PASS
Band26	10MHz	16QAM	26740	1RB#49	22.08	PASS
Band26	10MHz	16QAM	26740	25RB#0	21.35	PASS
Band26	10MHz	16QAM	26740	25RB#13	21.01	PASS
Band26	10MHz	16QAM	26740	25RB#25	21.48	PASS
Band26	10MHz	16QAM	26740	50RB#0	21.08	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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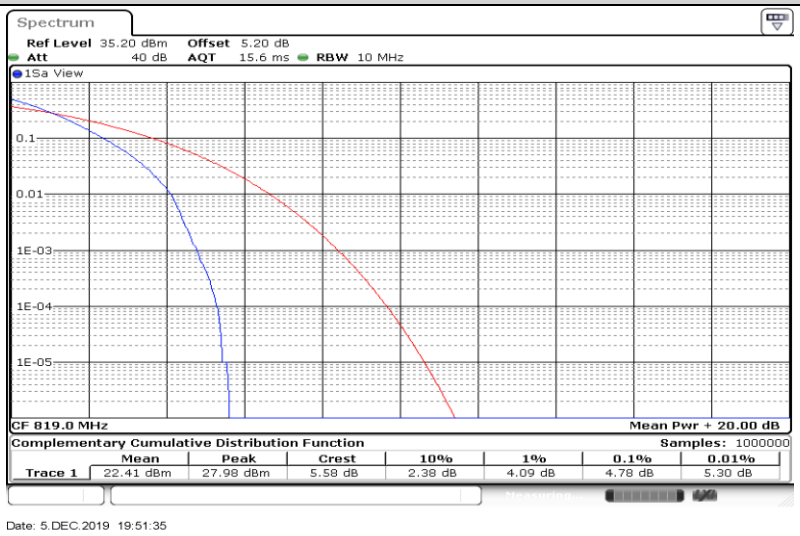
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

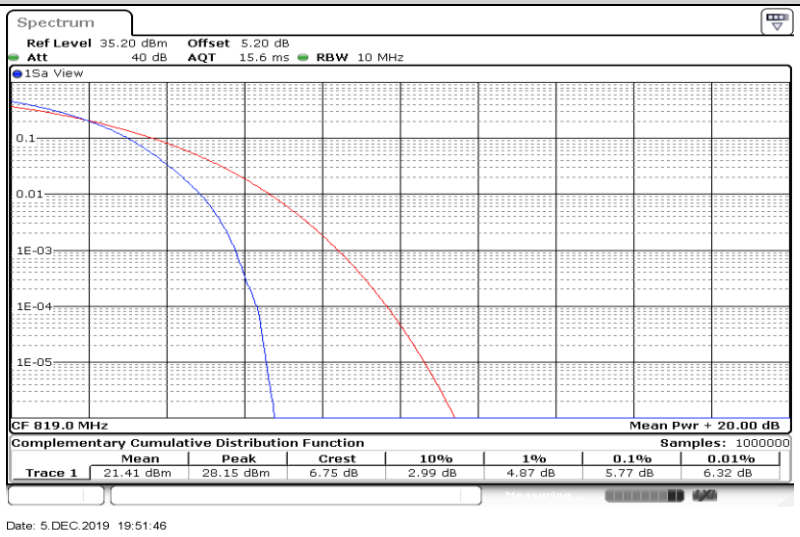
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	4.78	13	PASS
Band26	10MHz	16QAM	26740	50RB#0	5.77	13	PASS

2.2. Test Plots

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



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



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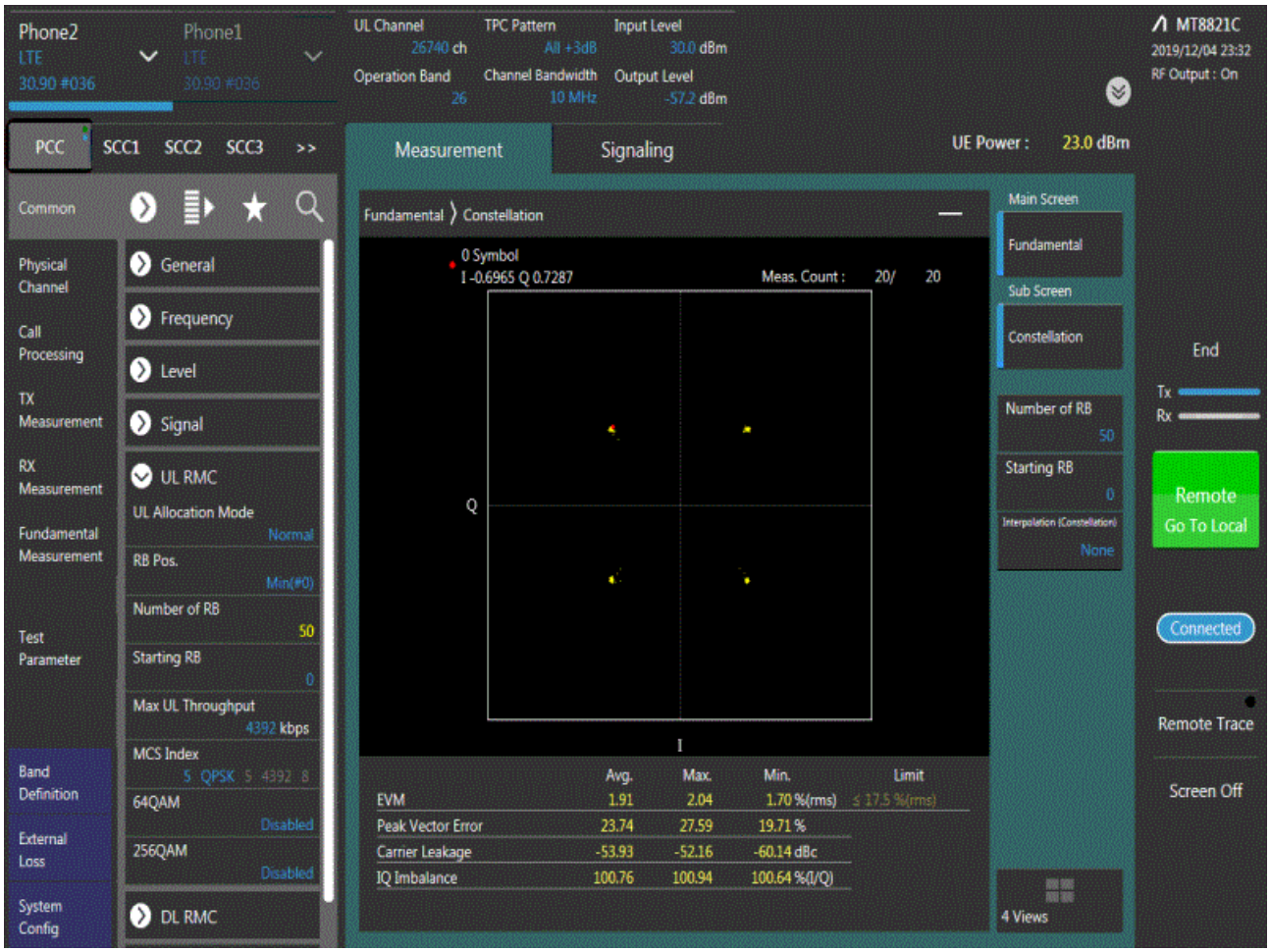
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

3.1.1.Test Channel = MCH



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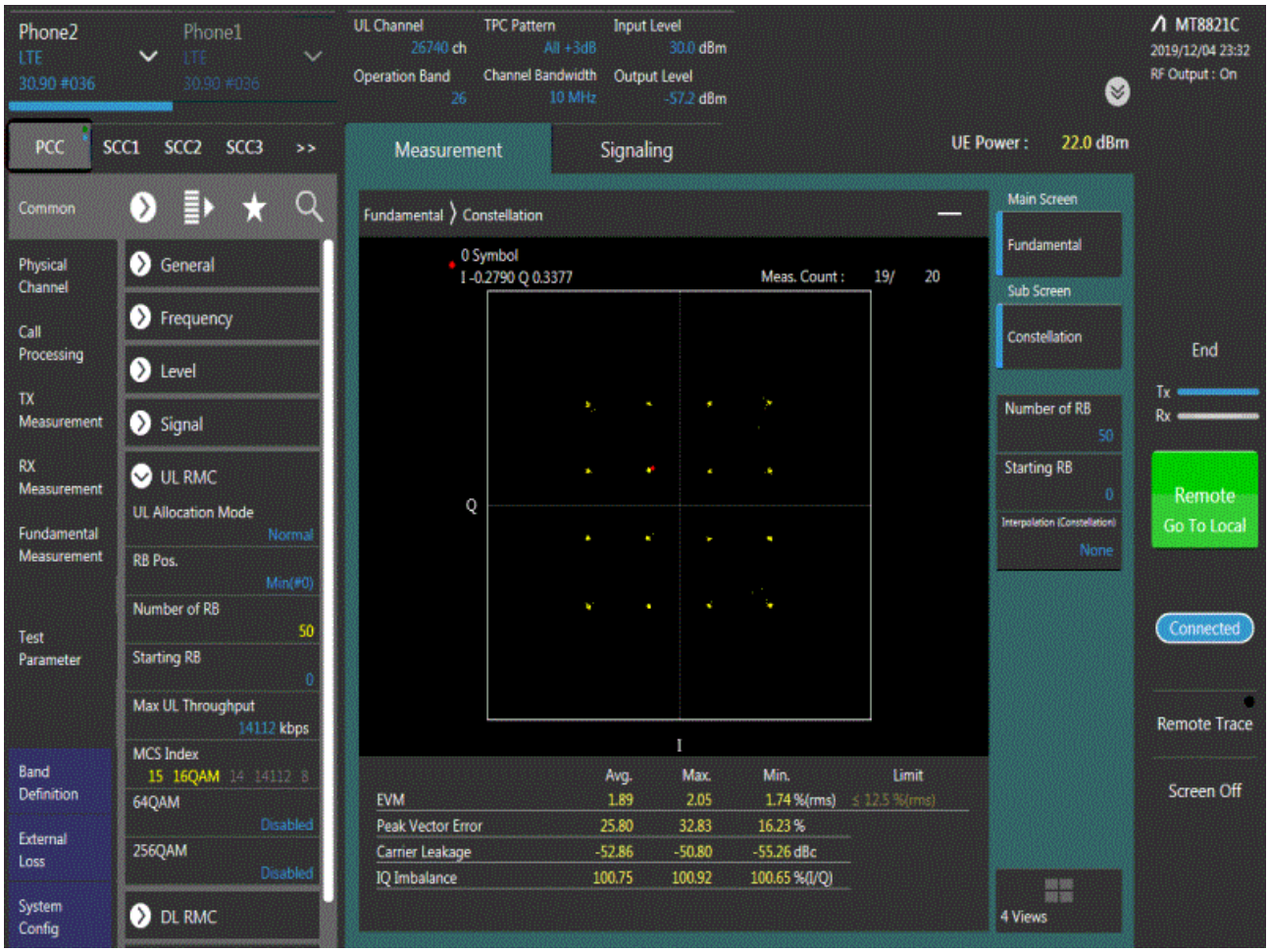
3.2. Test Mode = LTE /TM2 10MHz

3.2.1.Test Channel = MCH



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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	1.094	1.293	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	1.091	1.290	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	1.094	1.296	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	1.088	1.281	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	1.088	1.284	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	1.091	1.281	PASS
Band26	3MHz	QPSK	26705	15RB#0	2.697	2.982	PASS
Band26	3MHz	QPSK	26740	15RB#0	2.697	3.000	PASS
Band26	3MHz	QPSK	26775	15RB#0	2.691	2.970	PASS
Band26	3MHz	16QAM	26705	15RB#0	2.685	2.970	PASS
Band26	3MHz	16QAM	26740	15RB#0	2.685	2.976	PASS
Band26	3MHz	16QAM	26775	15RB#0	2.691	2.976	PASS
Band26	5MHz	QPSK	26715	25RB#0	4.466	4.920	PASS
Band26	5MHz	QPSK	26740	25RB#0	4.466	4.920	PASS
Band26	5MHz	QPSK	26765	25RB#0	4.476	4.930	PASS
Band26	5MHz	16QAM	26715	25RB#0	4.486	4.950	PASS
Band26	5MHz	16QAM	26740	25RB#0	4.476	4.970	PASS
Band26	5MHz	16QAM	26765	25RB#0	4.486	4.950	PASS
Band26	10MHz	QPSK	26740	50RB#0	8.891	9.660	PASS
Band26	10MHz	16QAM	26740	50RB#0	8.891	9.700	PASS

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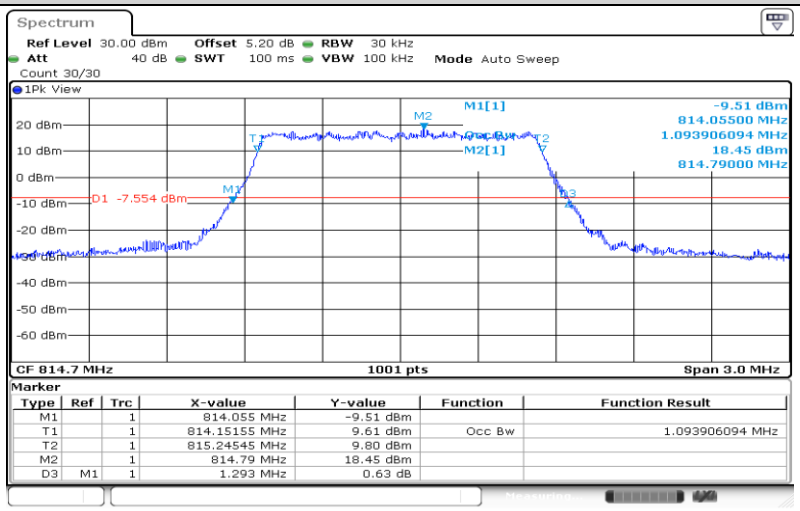
Test Plots

Band26-1.4MHz-QPSK-26697-6RB#0-1.094



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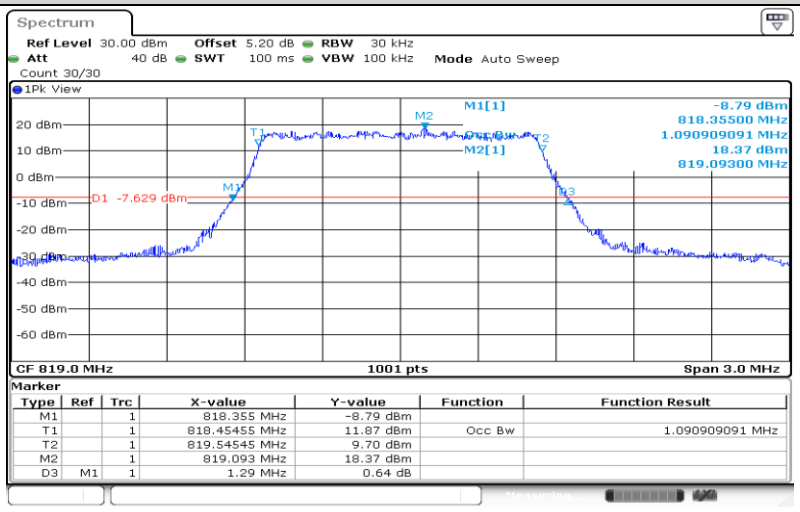

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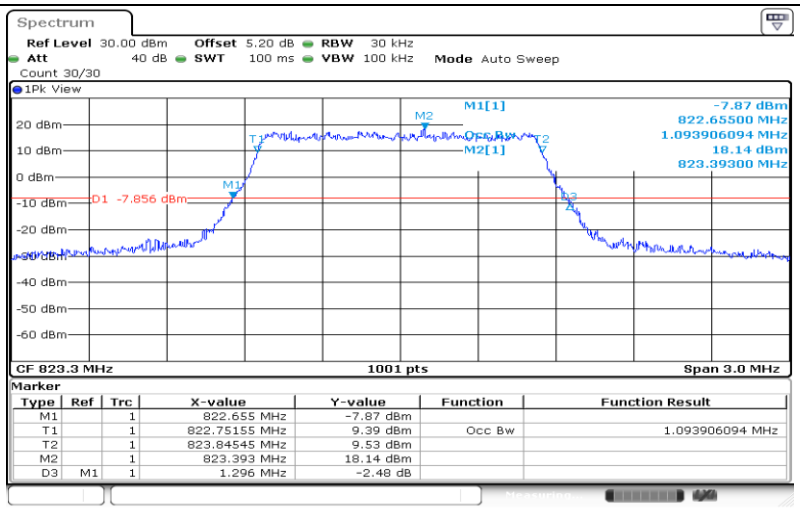

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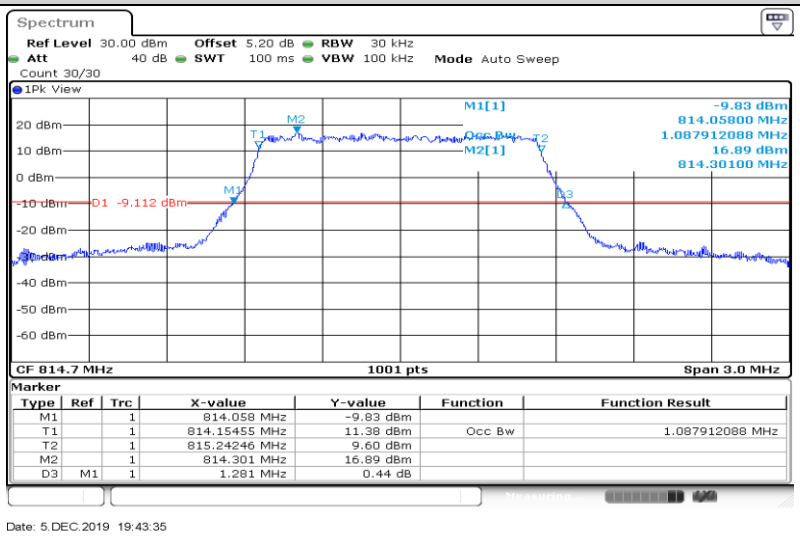

Band26-1.4MHz-16QAM-26740-6RB#0-1.088

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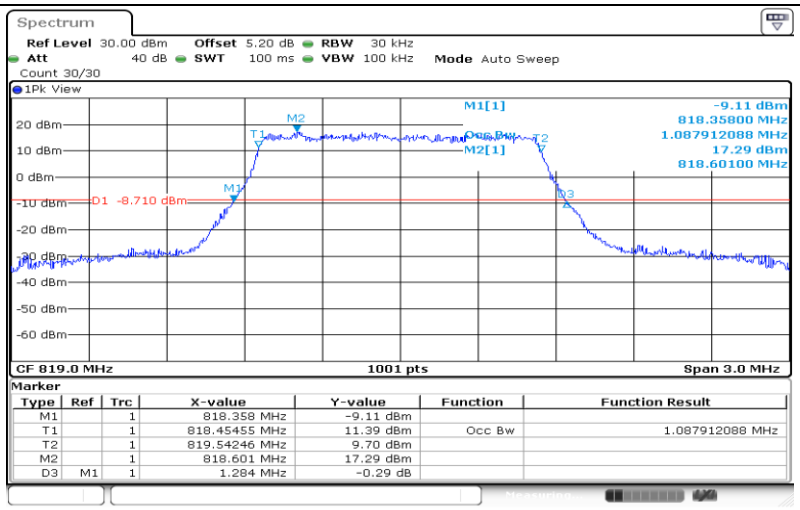

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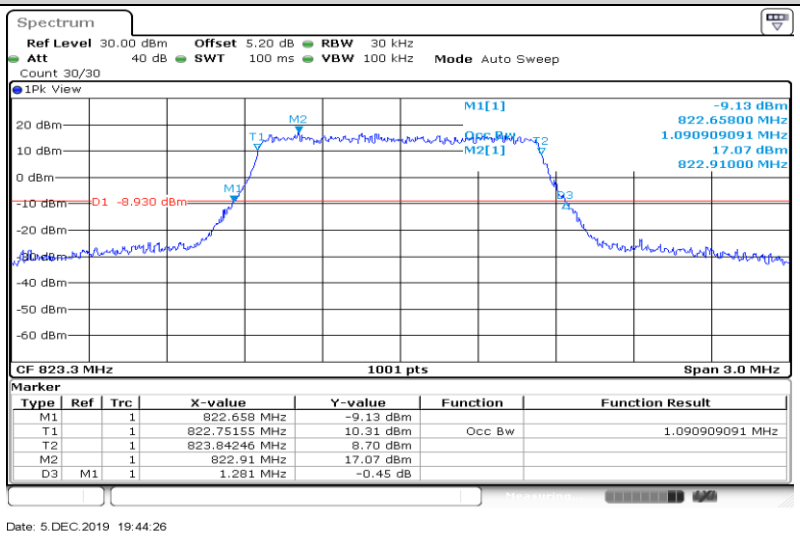

Band26-3MHz-QPSK-26705-15RB#0-2.697

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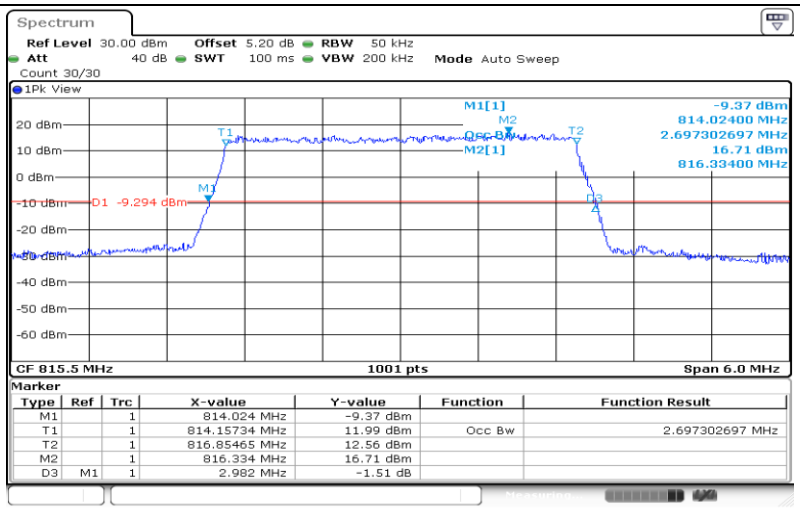

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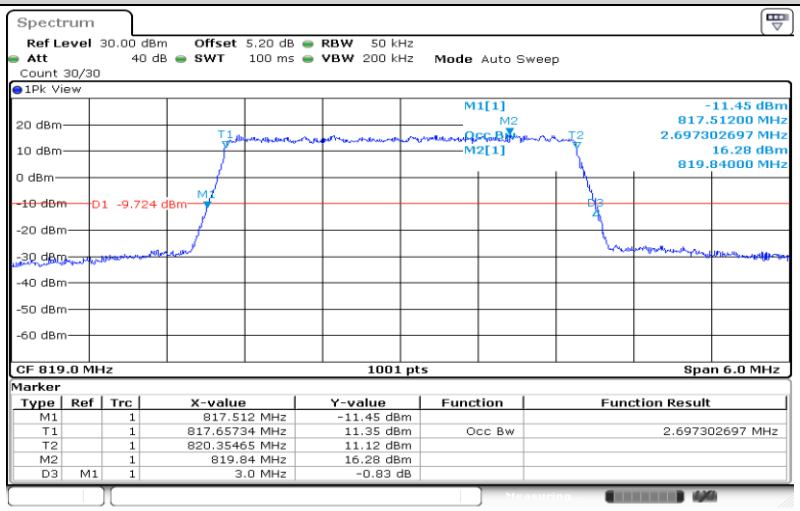
Band26-3MHz-QPSK-26740-15RB#0-2.697



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Band26-3MHz-QPSK-26775-15RB#0-2.691

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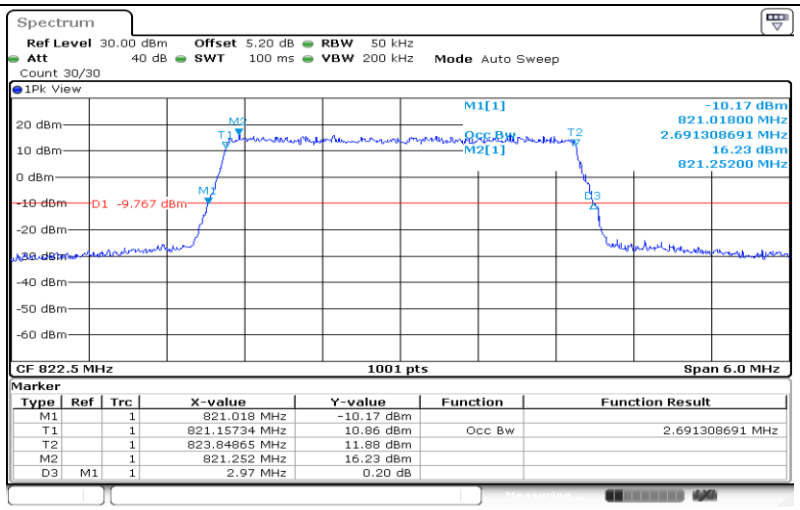

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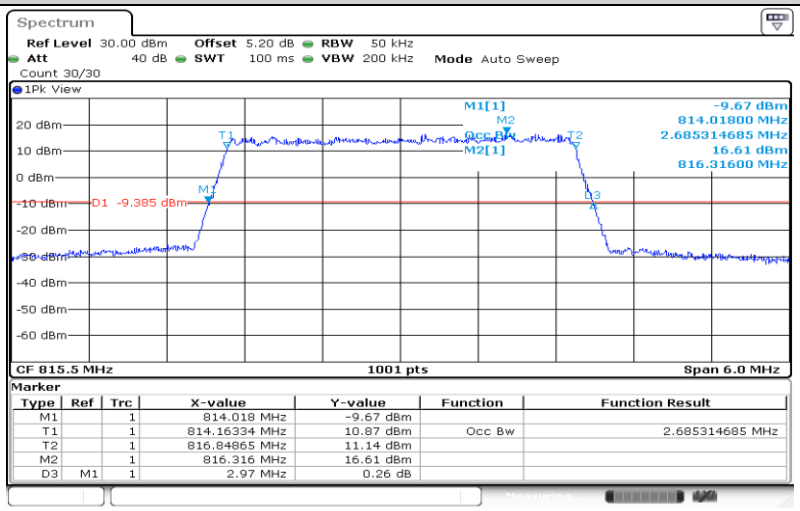

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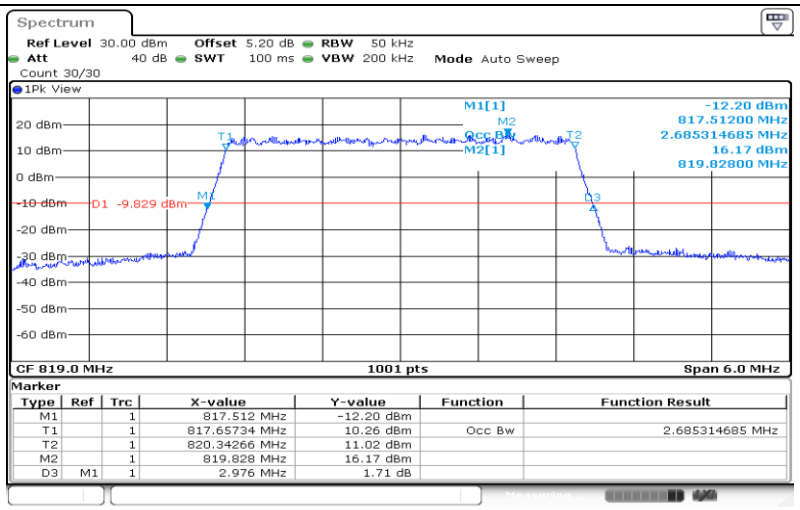

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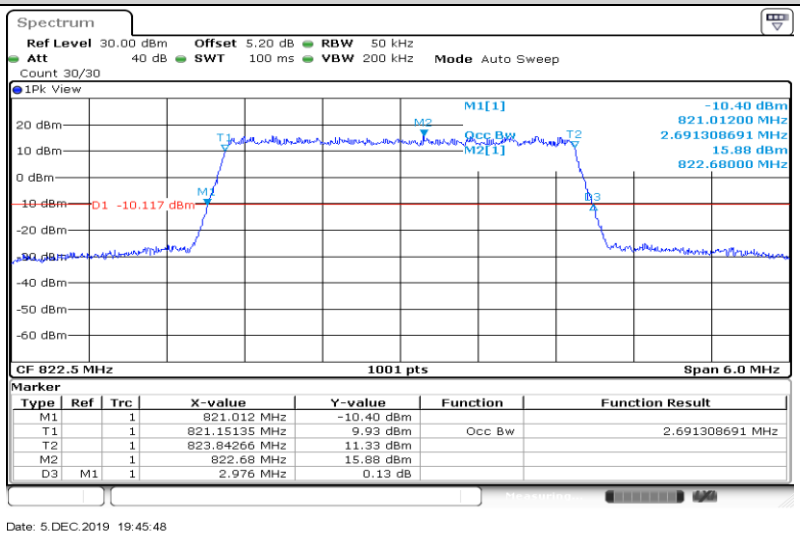

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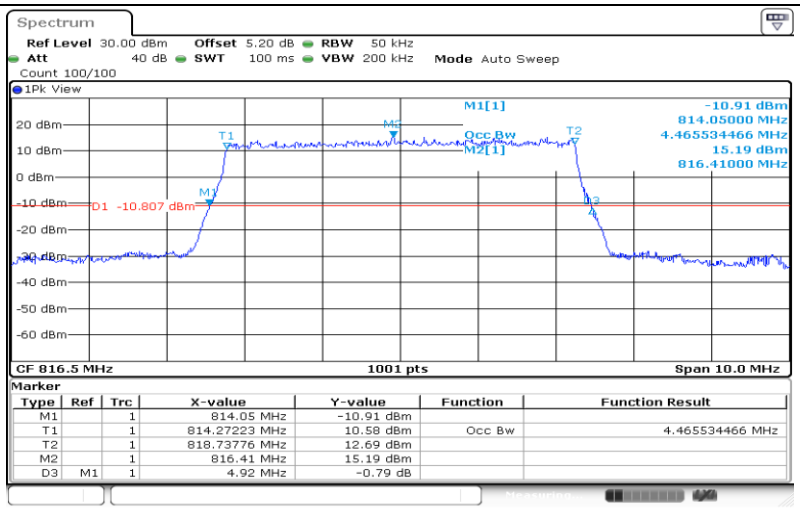

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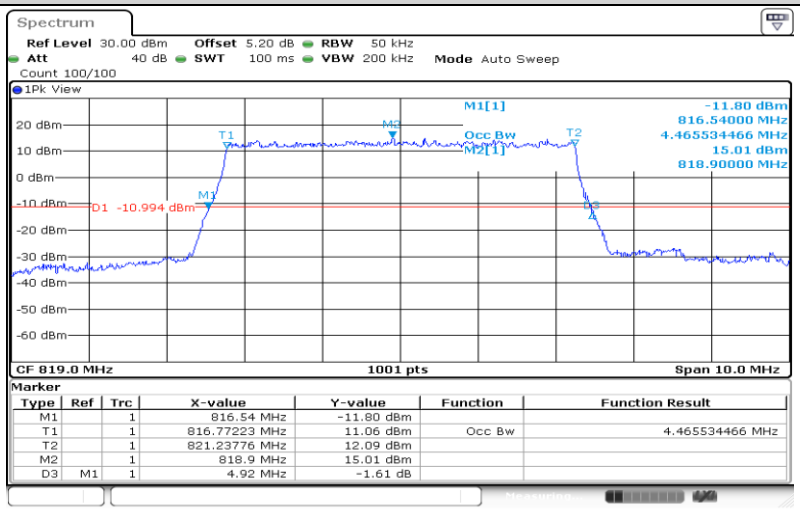

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Band26-5MHz-QPSK-26765-25RB#0-4.476

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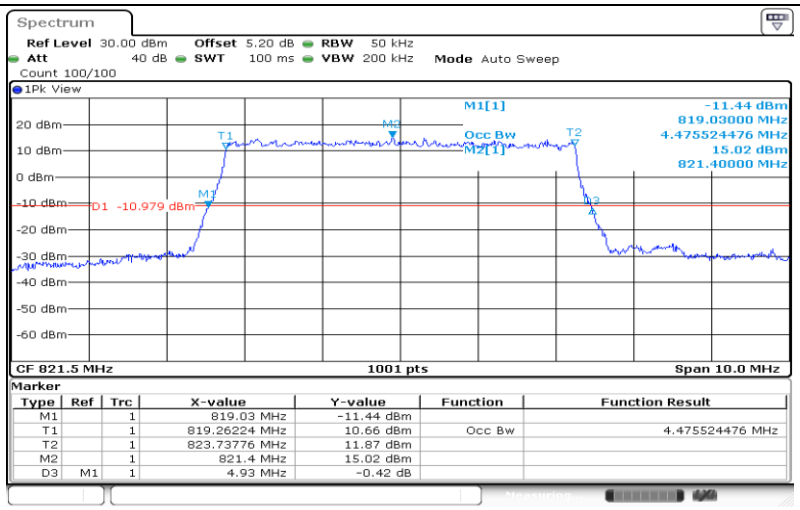

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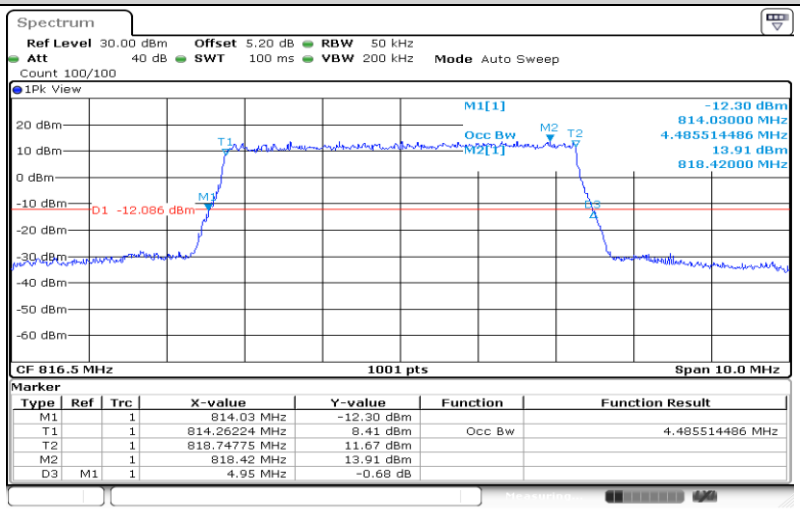

Band26-5MHz-16QAM-26740-25RB#0-4.476

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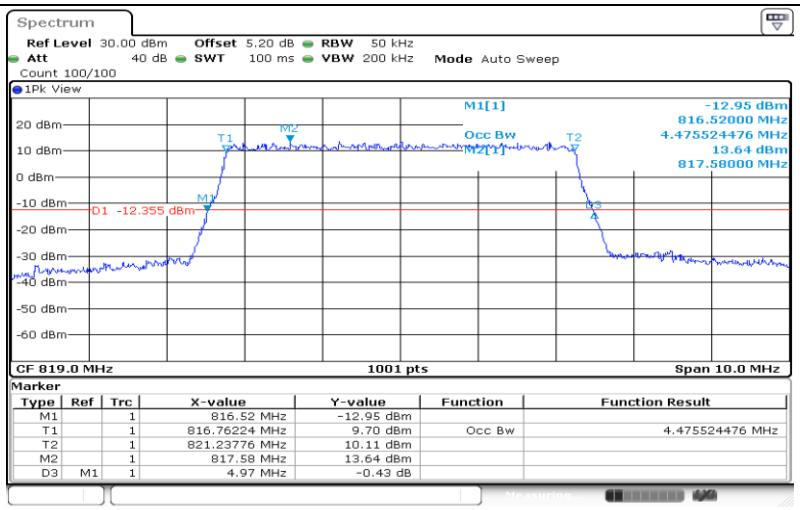

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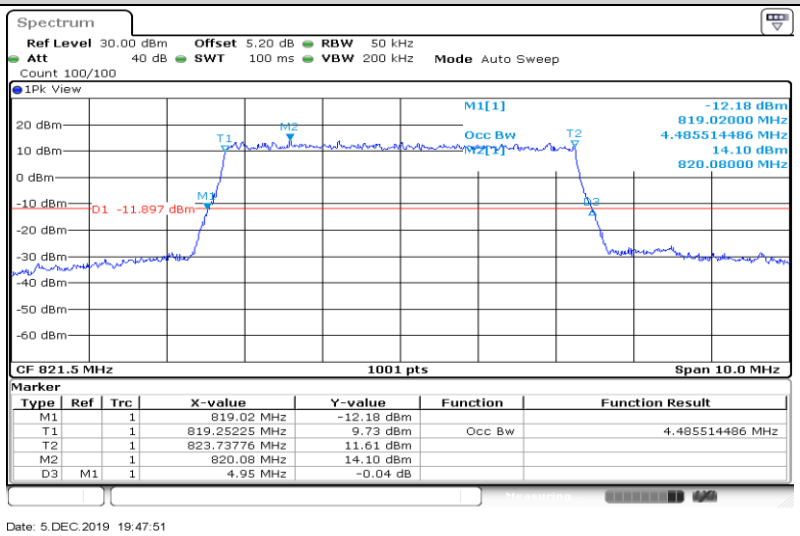

Band26-10MHz-QPSK-26740-50RB#0-8.891

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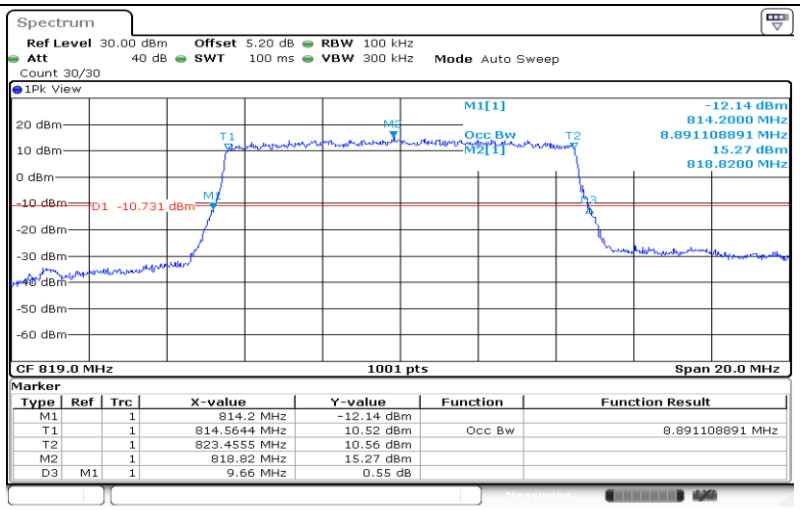

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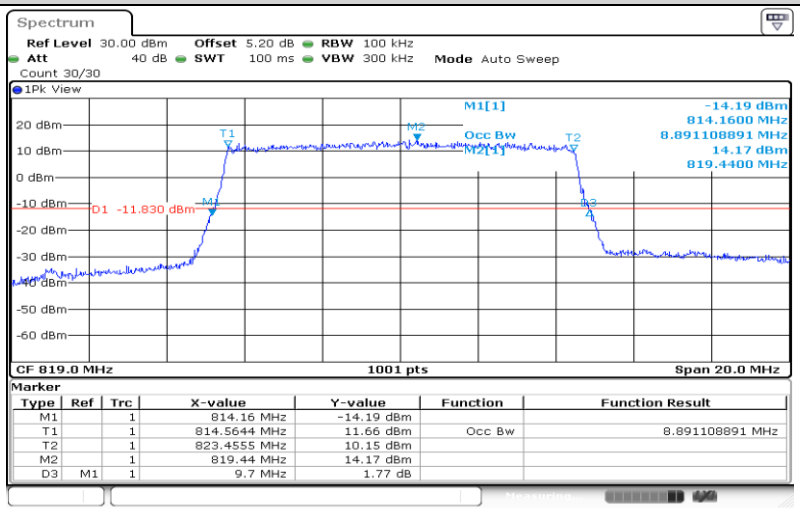
Band26-10MHz-16QAM-26740-50RB#0-8.891



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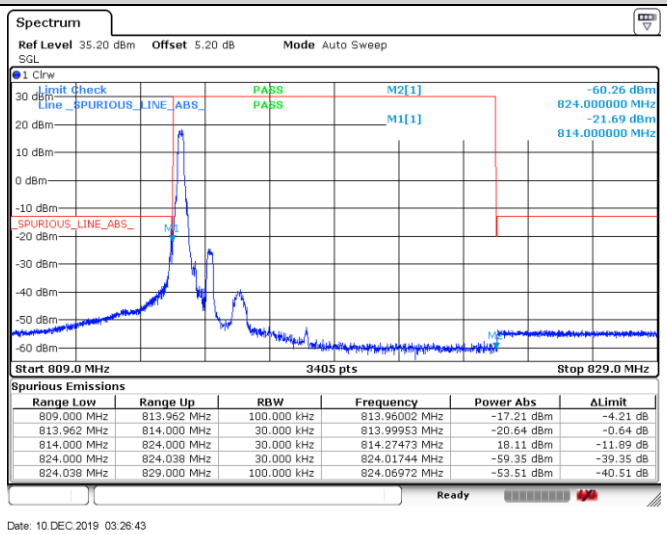
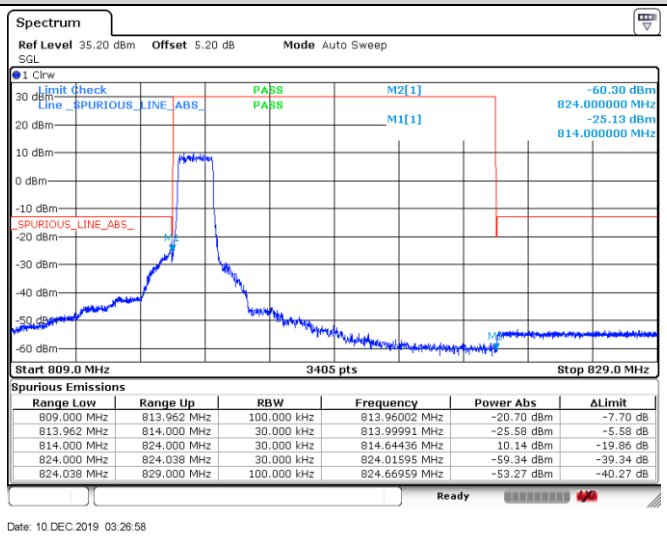
5. Band Edge Compliance

5.1. Test Plots

Band26-1.4MHz-QPSK-26697-1RB#0



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



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

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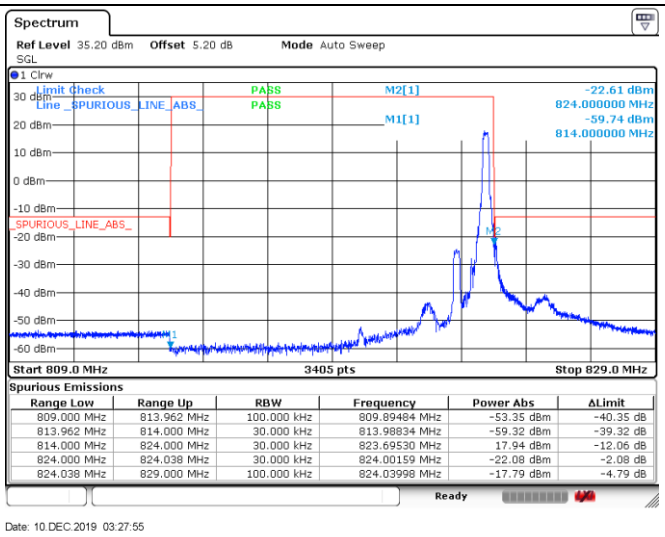


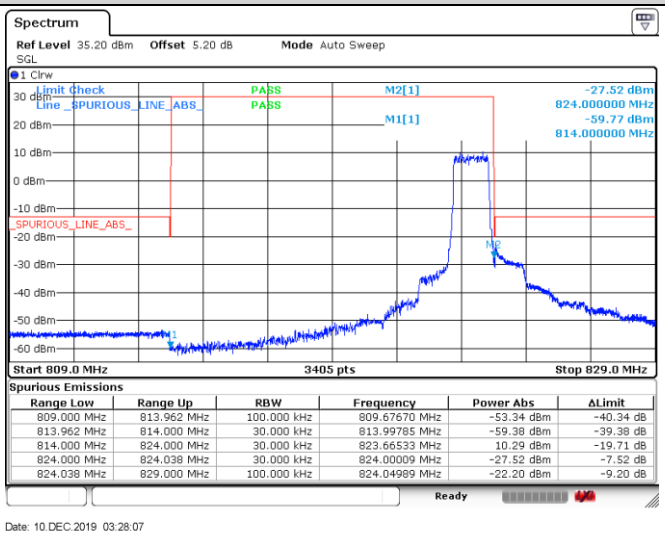
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	809.89484 MHz	-53.35 dBm	-40.35 dB
813.962 MHz	814.000 MHz	30.000 kHz	813.98834 MHz	-59.32 dBm	-39.32 dB
814.000 MHz	824.000 MHz	30.000 kHz	823.69530 MHz	17.94 dBm	-12.06 dB
824.000 MHz	824.038 MHz	30.000 kHz	824.00159 MHz	-22.08 dBm	-2.08 dB
824.038 MHz	829.000 MHz	100.000 kHz	824.03998 MHz	-17.79 dBm	-4.79 dB

Ready

Date: 10.DEC.2019 03:27:55

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



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	809.67670 MHz	-53.34 dBm	-40.34 dB
813.962 MHz	814.000 MHz	30.000 kHz	813.99785 MHz	-59.38 dBm	-39.38 dB
814.000 MHz	824.000 MHz	30.000 kHz	823.66533 MHz	10.29 dBm	-19.71 dB
824.000 MHz	824.038 MHz	30.000 kHz	824.00009 MHz	-27.52 dBm	-7.52 dB
824.038 MHz	829.000 MHz	100.000 kHz	824.04989 MHz	-22.20 dBm	-9.20 dB

Ready

Date: 10.DEC.2019 03:28:07

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

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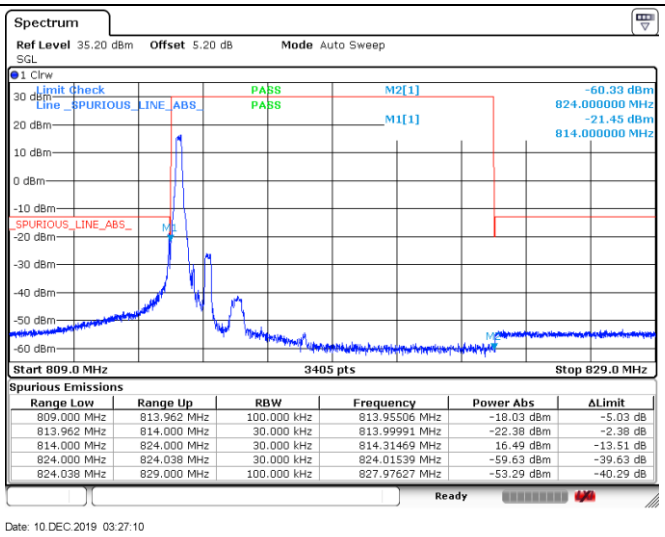
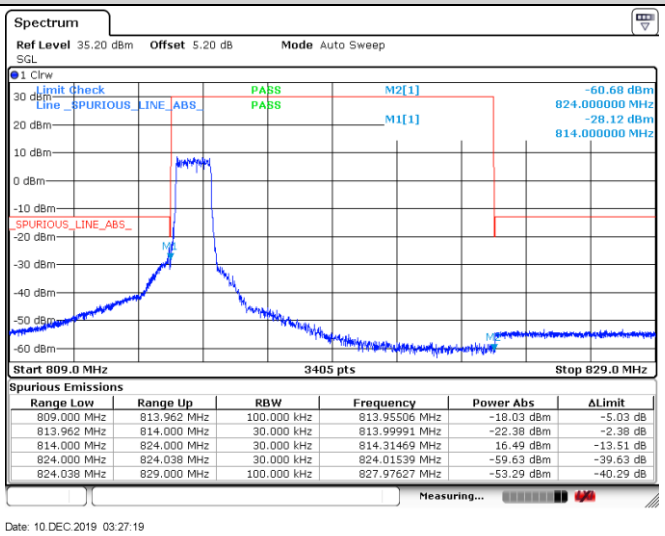


Band26-1.4MHz-16QAM-26697-6RB#0



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

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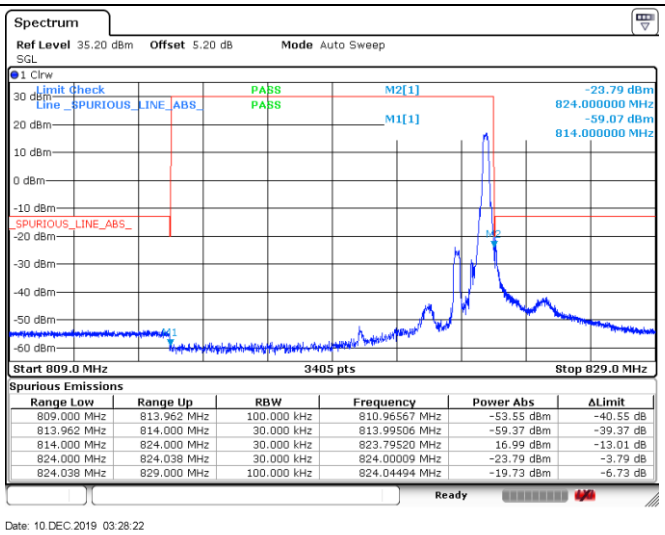

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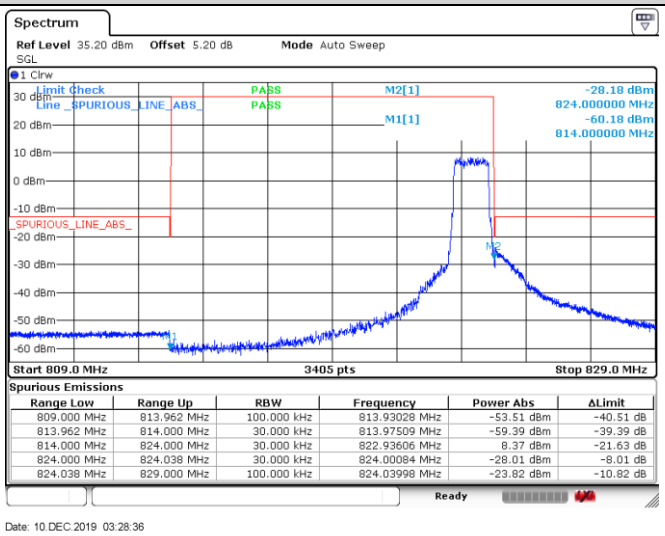

Band26-3MHz-QPSK-26705-1RB#0

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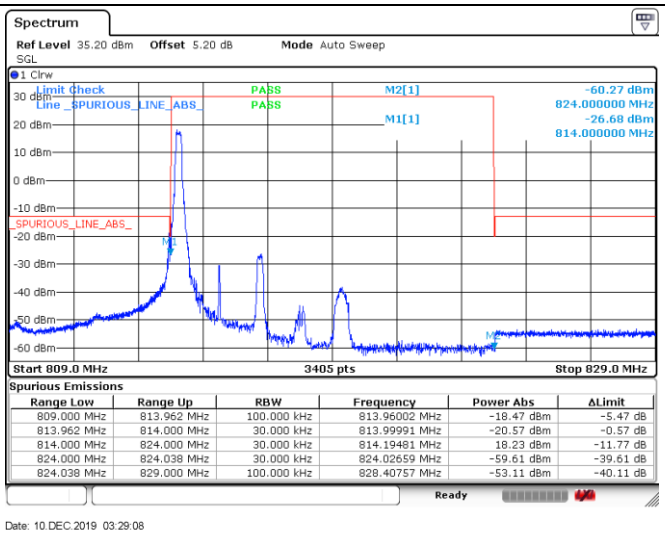
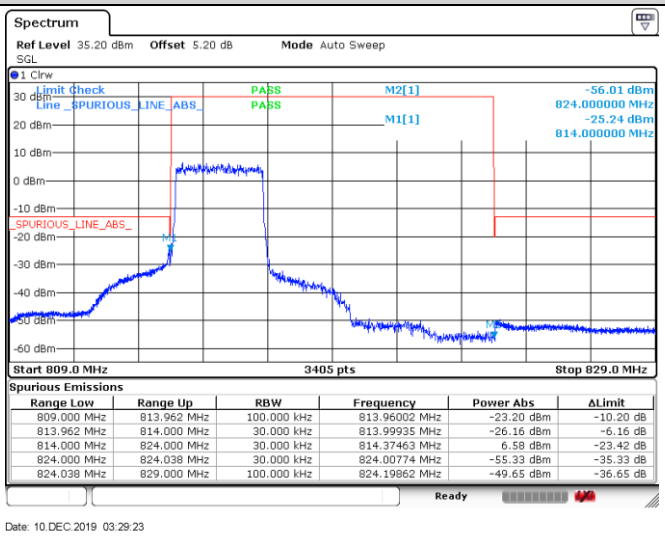


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	813.96002 MHz	-18.47 dBm	-5.47 dB
813.962 MHz	814.000 MHz	30.000 kHz	813.99991 MHz	-20.57 dBm	-0.57 dB
814.000 MHz	824.000 MHz	30.000 kHz	814.19481 MHz	18.23 dBm	-11.77 dB
824.000 MHz	824.038 MHz	30.000 kHz	824.02659 MHz	-59.61 dBm	-39.61 dB
824.038 MHz	829.000 MHz	100.000 kHz	828.40757 MHz	-53.11 dBm	-40.11 dB

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



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	813.96002 MHz	-23.20 dBm	-10.20 dB
813.962 MHz	814.000 MHz	30.000 kHz	813.99935 MHz	-26.16 dBm	-6.16 dB
814.000 MHz	824.000 MHz	30.000 kHz	814.37463 MHz	6.58 dBm	-23.42 dB
824.000 MHz	824.038 MHz	30.000 kHz	824.00774 MHz	-55.33 dBm	-35.33 dB
824.038 MHz	829.000 MHz	100.000 kHz	824.19862 MHz	-49.65 dBm	-36.65 dB

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

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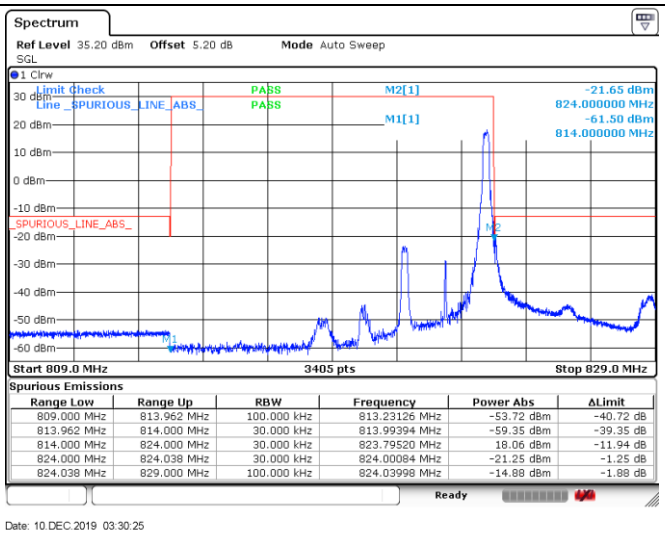


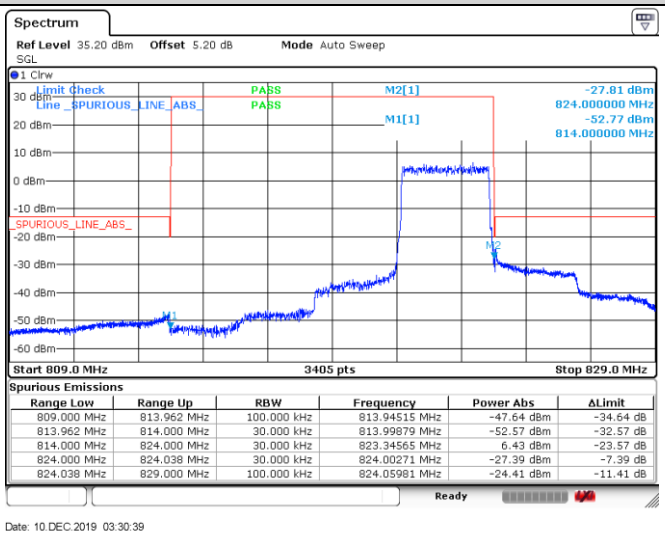
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	813.23126 MHz	-53.72 dBm	-40.72 dB
813.962 MHz	814.000 MHz	30.000 kHz	813.99394 MHz	-59.35 dBm	-39.35 dB
814.000 MHz	824.000 MHz	30.000 kHz	823.79520 MHz	18.06 dBm	-11.94 dB
824.000 MHz	824.038 MHz	30.000 kHz	824.00084 MHz	-21.25 dBm	-1.25 dB
824.038 MHz	829.000 MHz	100.000 kHz	824.03998 MHz	-14.88 dBm	-1.88 dB

Ready

Date: 10.DEC.2019 03:30:25

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



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	813.94515 MHz	-47.64 dBm	-34.64 dB
813.962 MHz	814.000 MHz	30.000 kHz	813.99879 MHz	-52.57 dBm	-32.57 dB
814.000 MHz	824.000 MHz	30.000 kHz	823.34565 MHz	6.43 dBm	-23.57 dB
824.000 MHz	824.038 MHz	30.000 kHz	824.00271 MHz	-27.39 dBm	-7.39 dB
824.038 MHz	829.000 MHz	100.000 kHz	824.05981 MHz	-24.41 dBm	-11.41 dB

Ready

Date: 10.DEC.2019 03:30:39

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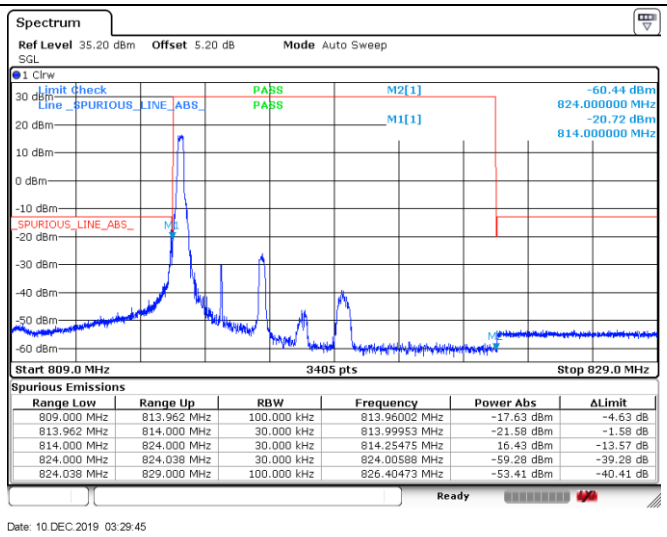


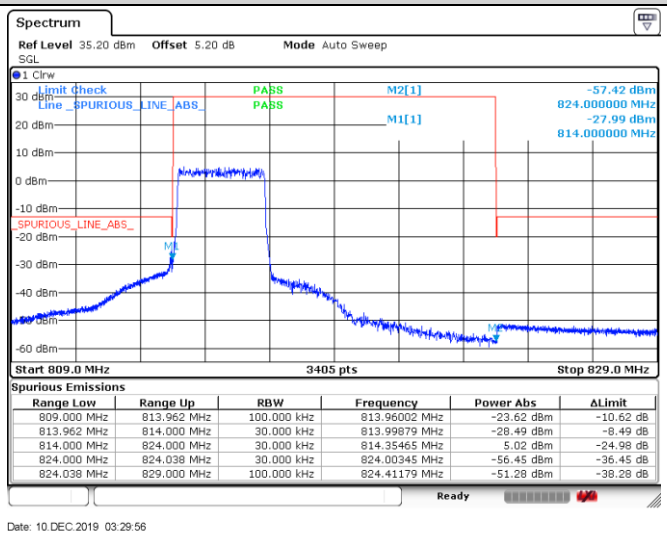
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	813.96002 MHz	-17.63 dBm	-4.63 dB
813.962 MHz	814.000 MHz	30.000 kHz	813.99953 MHz	-21.58 dBm	-1.58 dB
814.000 MHz	824.000 MHz	30.000 kHz	814.25475 MHz	16.43 dBm	-13.57 dB
824.000 MHz	824.038 MHz	30.000 kHz	824.00588 MHz	-59.28 dBm	-39.28 dB
824.038 MHz	829.000 MHz	100.000 kHz	826.40473 MHz	-53.41 dBm	-40.41 dB

Ready

Date: 10.DEC.2019 03:29:45

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



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	813.96002 MHz	-23.62 dBm	-10.62 dB
813.962 MHz	814.000 MHz	30.000 kHz	813.99879 MHz	-28.49 dBm	-8.49 dB
814.000 MHz	824.000 MHz	30.000 kHz	814.35465 MHz	5.02 dBm	-24.98 dB
824.000 MHz	824.038 MHz	30.000 kHz	824.00345 MHz	-56.45 dBm	-36.45 dB
824.038 MHz	829.000 MHz	100.000 kHz	824.41179 MHz	-51.28 dBm	-38.28 dB

Ready

Date: 10.DEC.2019 03:29:56

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

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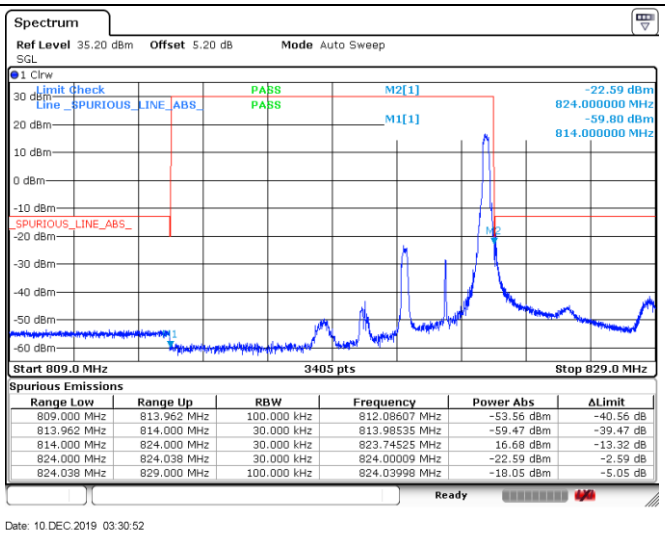
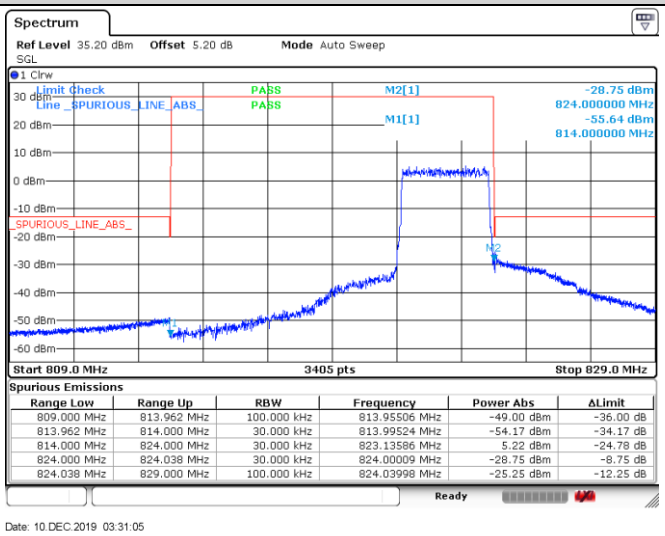


Band26-3MHz-16QAM-26775-15RB#0



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

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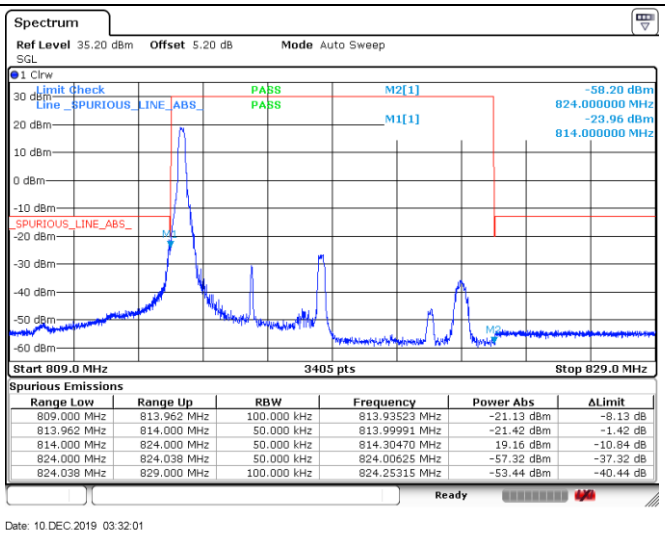
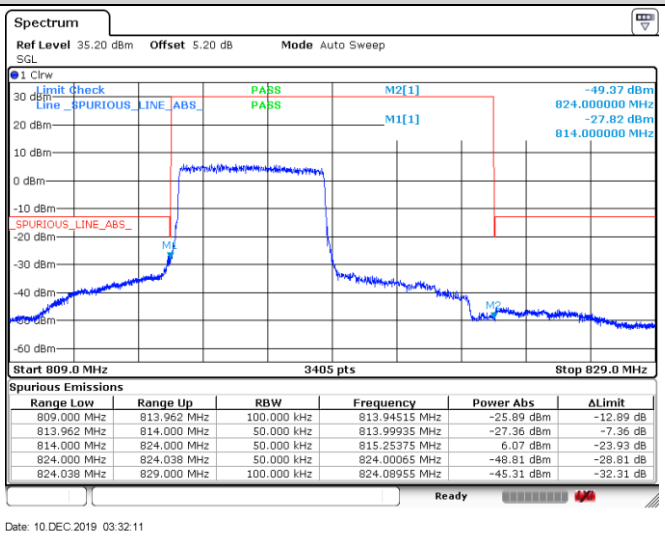


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	813.93523 MHz	-21.13 dBm	-8.13 dB
813.962 MHz	814.000 MHz	50.000 kHz	813.99991 MHz	-21.42 dBm	-1.42 dB
814.000 MHz	824.000 MHz	50.000 kHz	814.30470 MHz	19.16 dBm	-10.84 dB
824.000 MHz	824.038 MHz	50.000 kHz	824.00625 MHz	-57.32 dBm	-37.32 dB
824.038 MHz	829.000 MHz	100.000 kHz	824.25315 MHz	-53.44 dBm	-40.44 dB

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



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	813.94515 MHz	-25.89 dBm	-12.89 dB
813.962 MHz	814.000 MHz	50.000 kHz	813.99935 MHz	-27.36 dBm	-7.36 dB
814.000 MHz	824.000 MHz	50.000 kHz	815.25375 MHz	6.07 dBm	-23.93 dB
824.000 MHz	824.038 MHz	50.000 kHz	824.00065 MHz	-48.81 dBm	-28.81 dB
824.038 MHz	829.000 MHz	100.000 kHz	824.08955 MHz	-45.31 dBm	-32.31 dB

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

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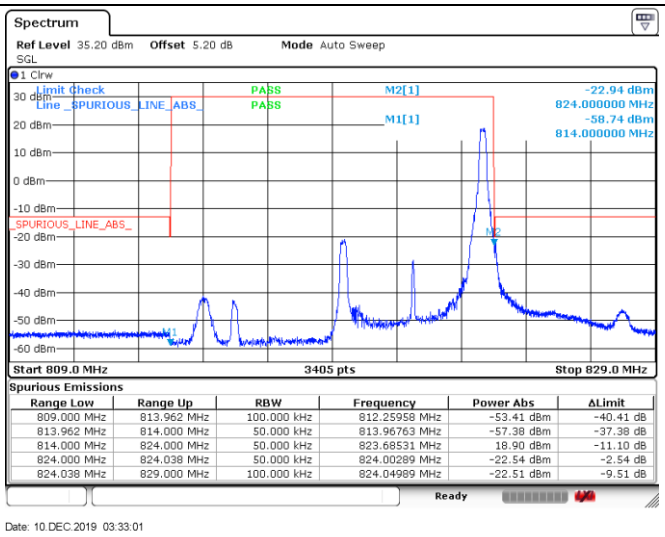


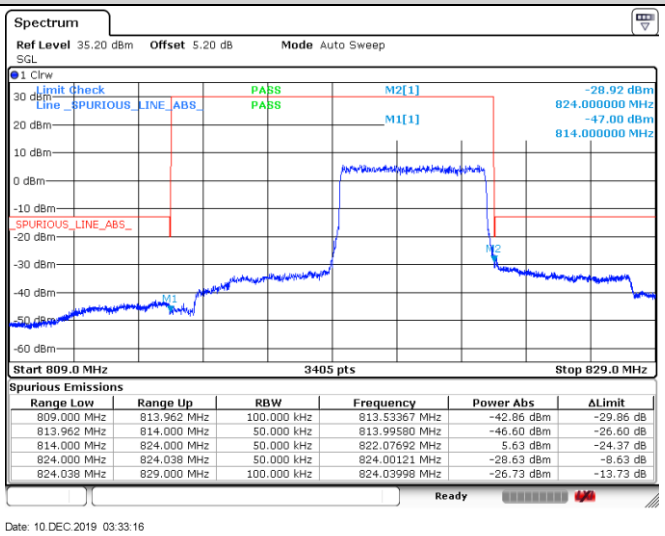
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	812.25958 MHz	-53.41 dBm	-40.41 dB
813.962 MHz	814.000 MHz	50.000 kHz	813.96763 MHz	-57.38 dBm	-37.38 dB
814.000 MHz	824.000 MHz	50.000 kHz	823.68531 MHz	18.90 dBm	-11.10 dB
824.000 MHz	824.038 MHz	50.000 kHz	824.00289 MHz	-22.54 dBm	-2.54 dB
824.038 MHz	829.000 MHz	100.000 kHz	824.04989 MHz	-22.51 dBm	-9.51 dB

Ready

Date: 10.DEC.2019 03:33:01

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



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	813.53367 MHz	-42.86 dBm	-29.86 dB
813.962 MHz	814.000 MHz	50.000 kHz	813.99580 MHz	-46.60 dBm	-26.60 dB
814.000 MHz	824.000 MHz	50.000 kHz	822.07692 MHz	5.63 dBm	-24.37 dB
824.000 MHz	824.038 MHz	50.000 kHz	824.00121 MHz	-28.63 dBm	-8.63 dB
824.038 MHz	829.000 MHz	100.000 kHz	824.03998 MHz	-26.73 dBm	-13.73 dB

Ready

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

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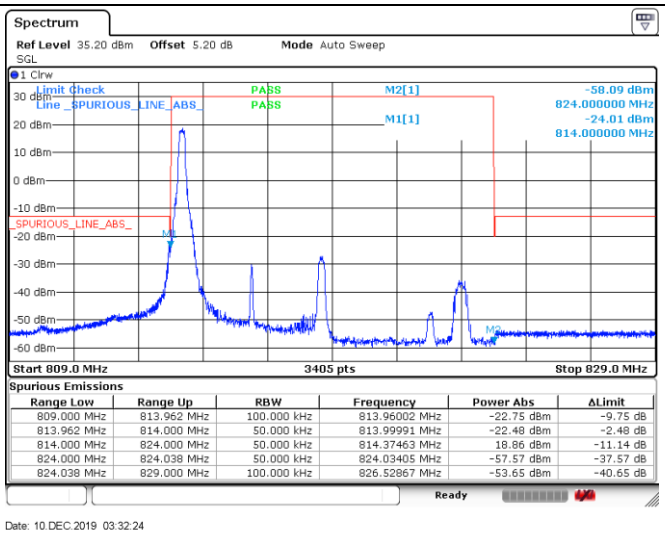

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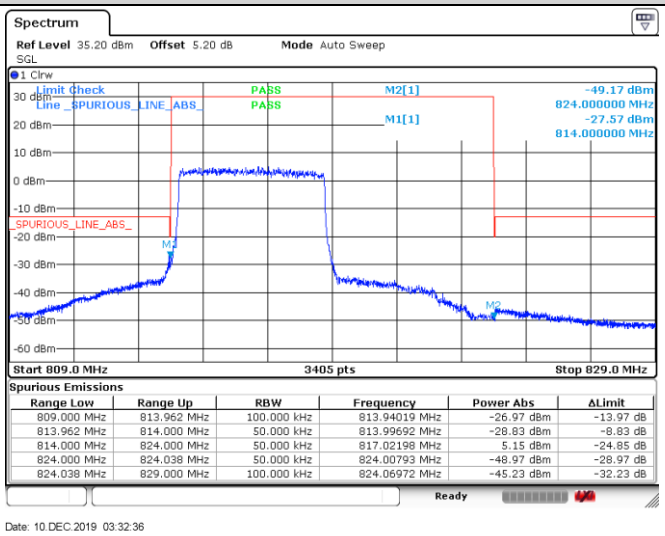

Band26-5MHz-16QAM-26765-1RB#24

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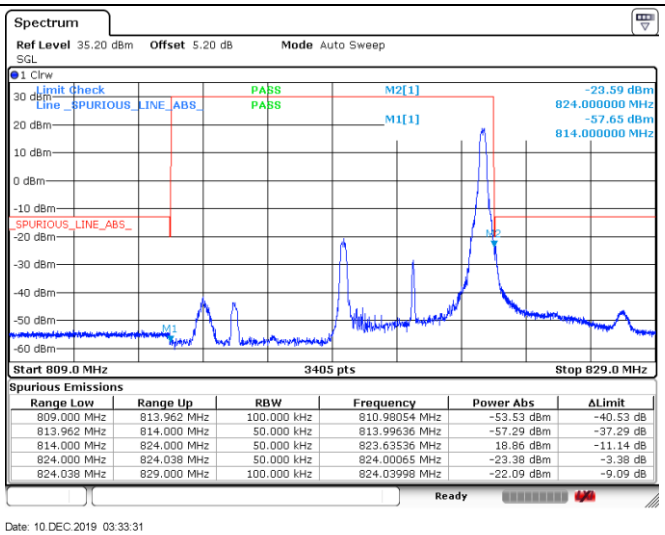


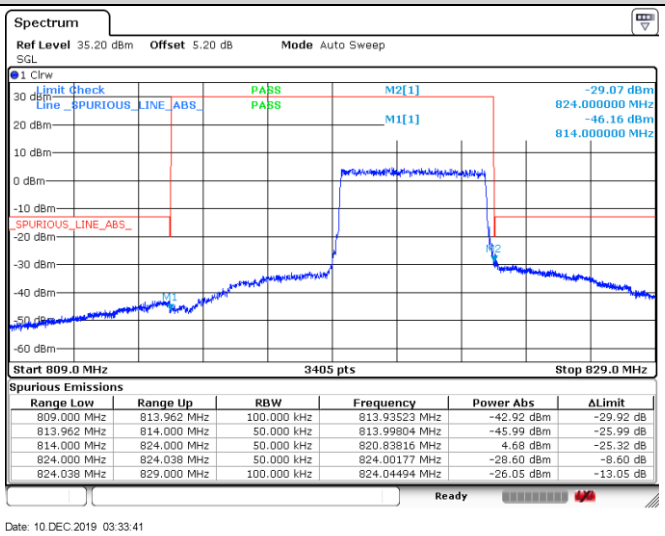
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	810.98054 MHz	-53.53 dBm	-40.53 dB
813.962 MHz	814.000 MHz	50.000 kHz	813.99636 MHz	-57.29 dBm	-37.29 dB
814.000 MHz	824.000 MHz	50.000 kHz	823.63536 MHz	18.86 dBm	-11.14 dB
824.000 MHz	824.038 MHz	50.000 kHz	824.00065 MHz	-23.38 dBm	-3.38 dB
824.038 MHz	829.000 MHz	100.000 kHz	824.03998 MHz	-22.09 dBm	-9.09 dB

Ready

Date: 10.DEC.2019 03:33:31

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



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	813.93523 MHz	-42.92 dBm	-29.92 dB
813.962 MHz	814.000 MHz	50.000 kHz	813.99804 MHz	-45.99 dBm	-25.99 dB
814.000 MHz	824.000 MHz	50.000 kHz	820.83816 MHz	4.68 dBm	-25.32 dB
824.000 MHz	824.038 MHz	50.000 kHz	824.00177 MHz	-28.60 dBm	-8.60 dB
824.038 MHz	829.000 MHz	100.000 kHz	824.04494 MHz	-26.05 dBm	-13.05 dB

Ready

Date: 10.DEC.2019 03:33:41

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

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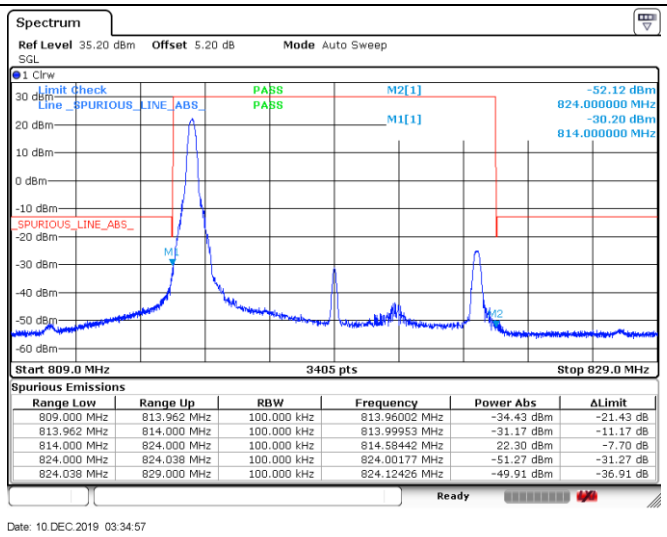
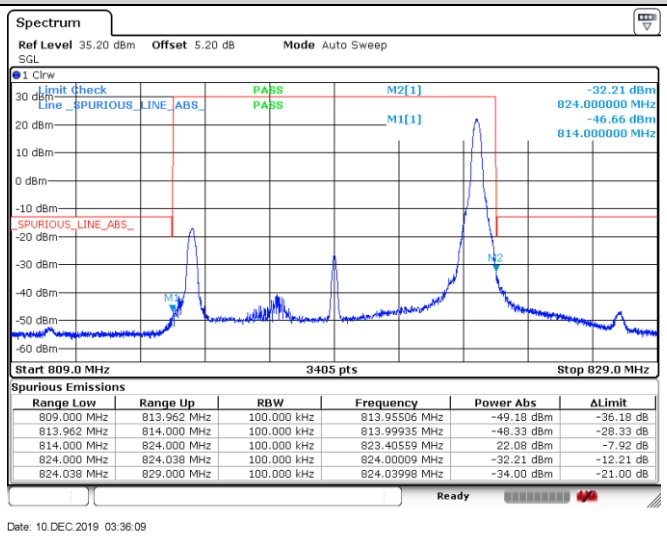


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	813.96002 MHz	-34.43 dBm	-21.43 dB
813.962 MHz	814.000 MHz	100.000 kHz	813.99953 MHz	-31.17 dBm	-11.17 dB
814.000 MHz	824.000 MHz	100.000 kHz	814.58442 MHz	22.30 dBm	-7.70 dB
824.000 MHz	824.038 MHz	100.000 kHz	824.00177 MHz	-51.27 dBm	-31.27 dB
824.038 MHz	829.000 MHz	100.000 kHz	824.12426 MHz	-49.91 dBm	-36.91 dB

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



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	813.95506 MHz	-49.18 dBm	-36.18 dB
813.962 MHz	814.000 MHz	100.000 kHz	813.99935 MHz	-48.33 dBm	-28.33 dB
814.000 MHz	824.000 MHz	100.000 kHz	823.40559 MHz	22.08 dBm	-7.92 dB
824.000 MHz	824.038 MHz	100.000 kHz	824.00009 MHz	-32.21 dBm	-12.21 dB
824.038 MHz	829.000 MHz	100.000 kHz	824.03998 MHz	-34.00 dBm	-21.00 dB

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

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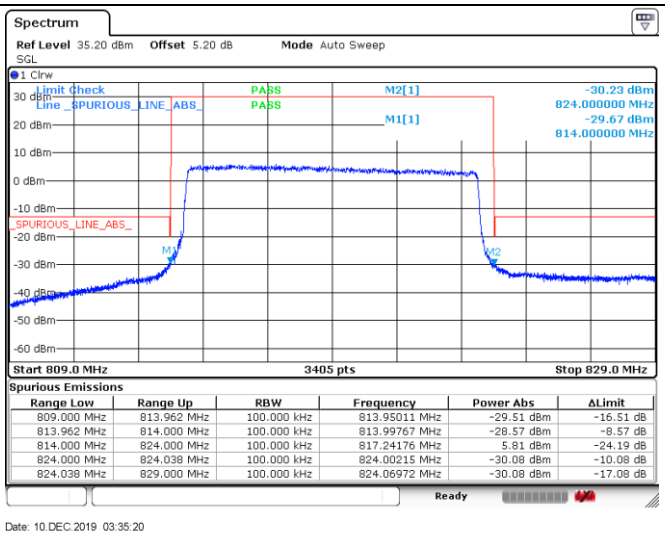

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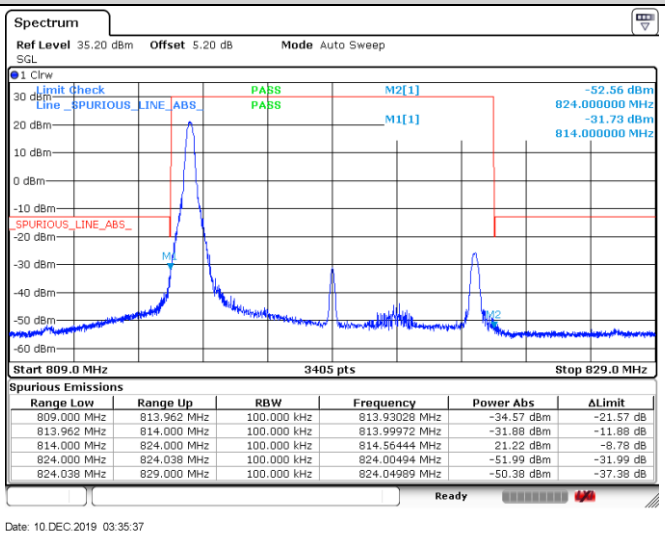

Band26-10MHz-16QAM-26740_Right-1RB#49

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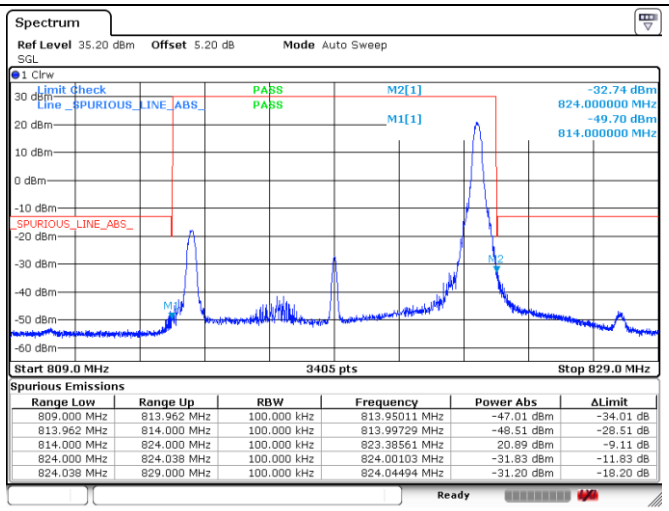

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	813.95011 MHz	-47.01 dBm	-34.01 dB
813.962 MHz	814.000 MHz	100.000 kHz	813.99729 MHz	-48.51 dBm	-28.51 dB
814.000 MHz	824.000 MHz	100.000 kHz	823.38561 MHz	20.89 dBm	-9.11 dB
824.000 MHz	824.038 MHz	100.000 kHz	824.00103 MHz	-31.83 dBm	-11.83 dB
824.038 MHz	829.000 MHz	100.000 kHz	824.04494 MHz	-31.20 dBm	-18.20 dB

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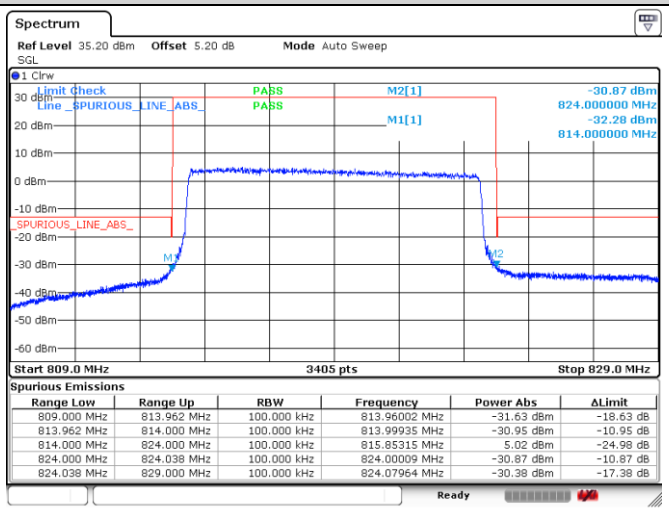
Band26-10MHz-16QAM-26740_Right-50RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
809.000 MHz	813.962 MHz	100.000 kHz	813.96002 MHz	-31.63 dBm	-18.63 dB
813.962 MHz	814.000 MHz	100.000 kHz	813.99935 MHz	-30.95 dBm	-10.95 dB
814.000 MHz	824.000 MHz	100.000 kHz	815.85315 MHz	5.02 dBm	-24.98 dB
824.000 MHz	824.038 MHz	100.000 kHz	824.00009 MHz	-30.87 dBm	-10.87 dB
824.038 MHz	829.000 MHz	100.000 kHz	824.07964 MHz	-30.38 dBm	-17.38 dB

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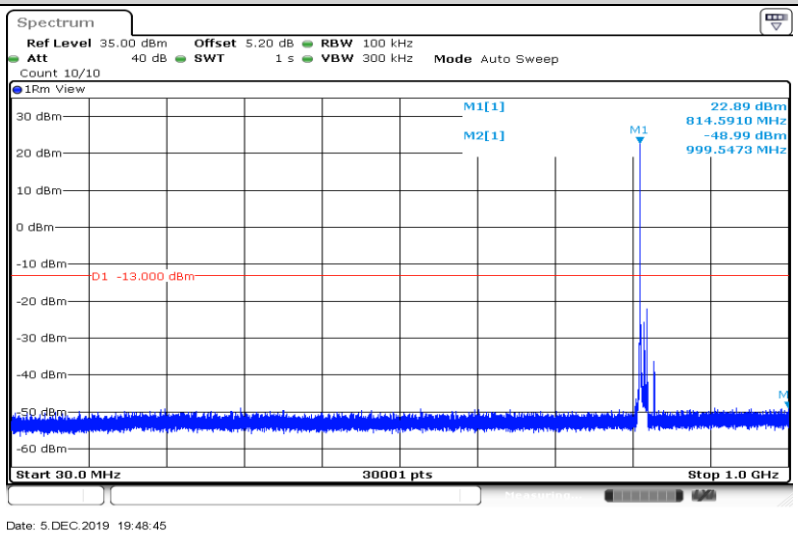
6. Spurious Emission at Antenna Terminal

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.

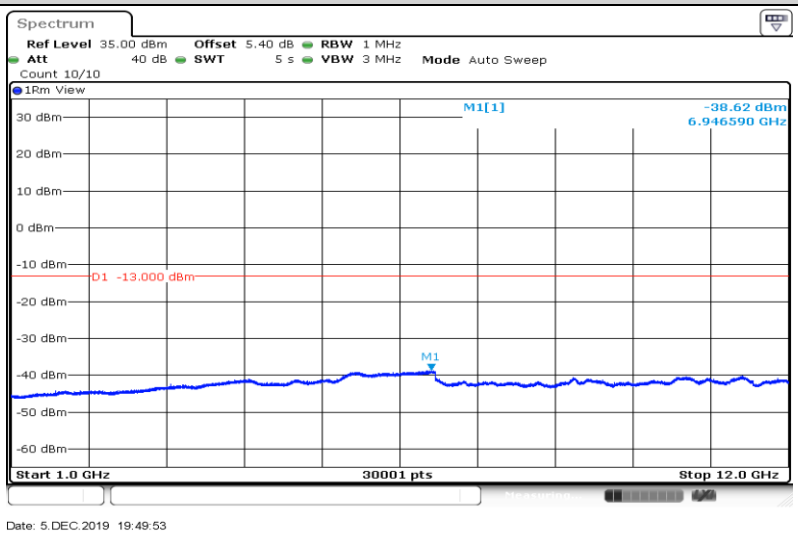
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

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



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



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

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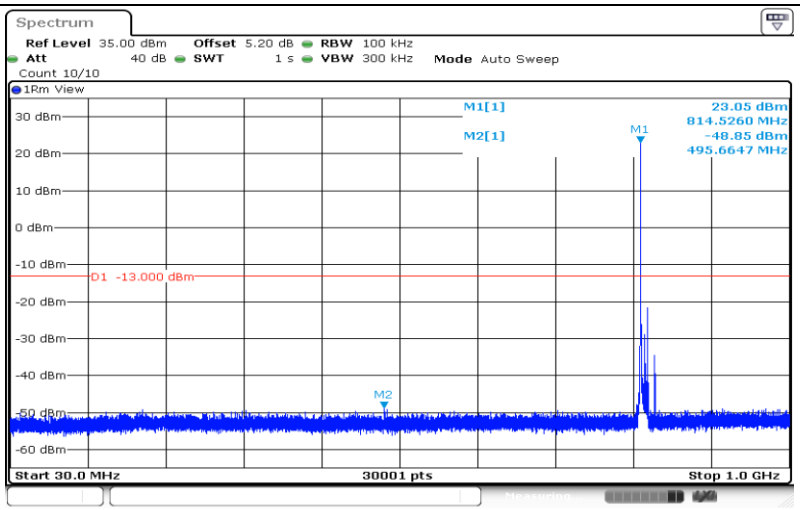
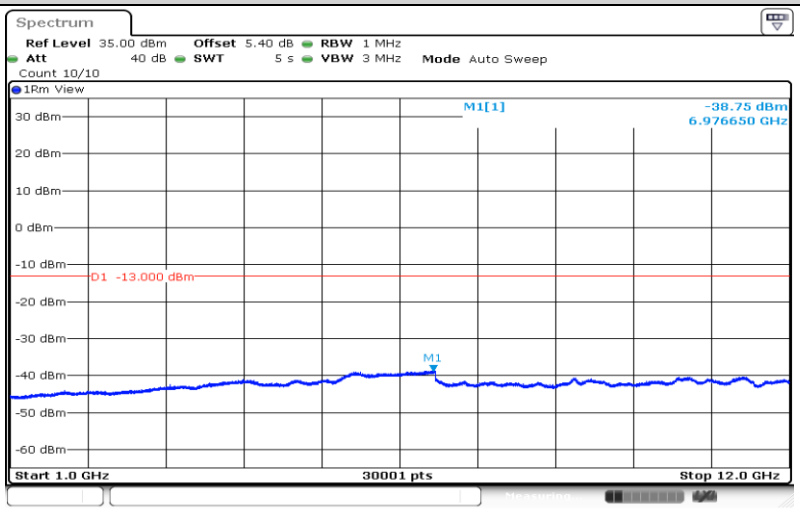


Date: 5.DEC.2019 19:50:12

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



Date: 5.DEC.2019 19:51:19

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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1

7.1.1.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
109.76418	-62.88	-13.00	49.88	168	203	Vertical
1669.9057	-60.47	-13.00	47.47	272	143	Vertical
2436.48	-52.11	-13.00	39.11	238	189	Vertical
3339.8011	-52.99	-13.00	39.99	194	49	Vertical
4174.1392	-56.14	-13.00	43.14	184	15	Vertical
8348.3473	-49.12	-13.00	36.12	221	90	Vertical
43.534078	-63.97	-13.00	50.97	154	141	Horizontal
1670.23	-57.84	-13.00	44.84	253	172	Horizontal
2504.7992	-43.77	-13.00	30.77	189	237	Horizontal
3339.4025	-47.63	-13.00	34.63	279	344	Horizontal
4174.5553	-57.23	-13.00	44.23	295	232	Horizontal
8845.4206	-51.67	-13.00	38.67	191	253	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 [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	VL	NT	-1.20	-0.001465	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	VN	NT	-1.80	-0.002198	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	VH	NT	-1.90	-0.002320	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	VL	NT	-1.10	-0.001343	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	VN	NT	-2.20	-0.002686	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	VH	NT	-0.10	-0.000122	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	NV	-30	-2.00	-0.002442	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	-20	-0.50	-0.000611	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	0	-0.90	-0.001099	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	10	-1.20	-0.001465	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	20	-0.80	-0.000977	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	30	-1.40	-0.001709	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	40	-1.00	-0.001221	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	50	-1.50	-0.001832	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	-30	-1.50	-0.001832	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	-20	-1.60	-0.001954	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	0	-1.30	-0.001587	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	10	-1.80	-0.002198	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	20	-0.80	-0.000977	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	30	-0.60	-0.000733	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	40	-2.10	-0.002564	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	50	-2.30	-0.002808	±2.5	PASS

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