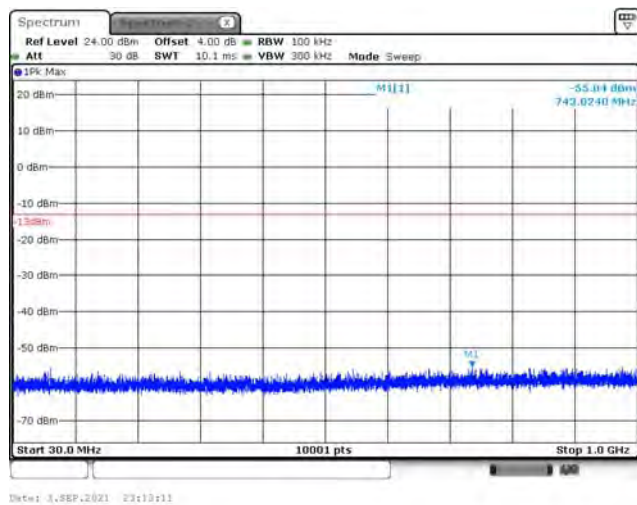
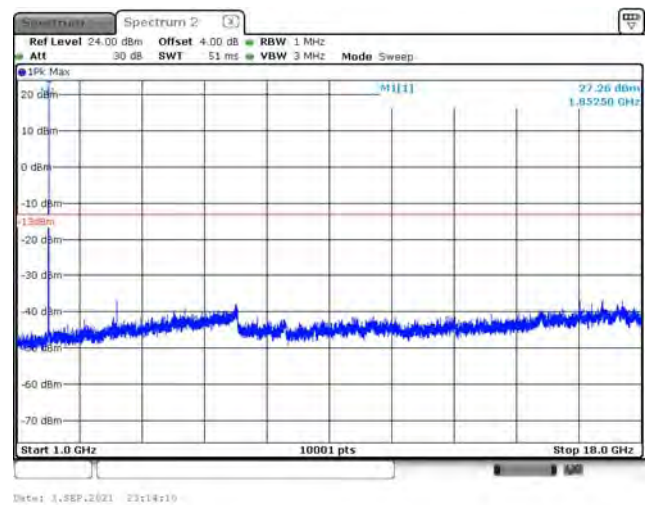


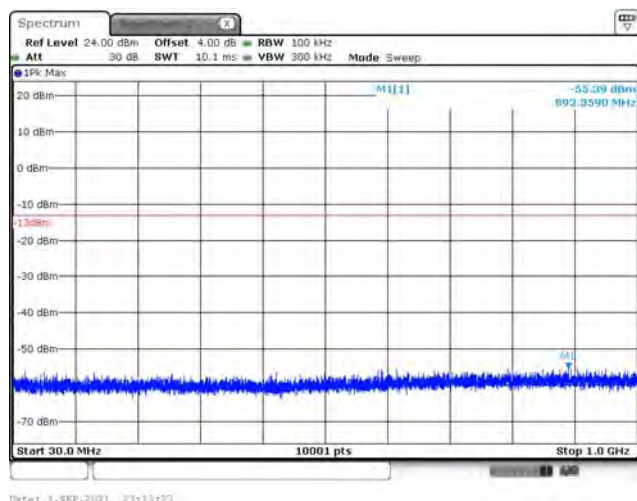
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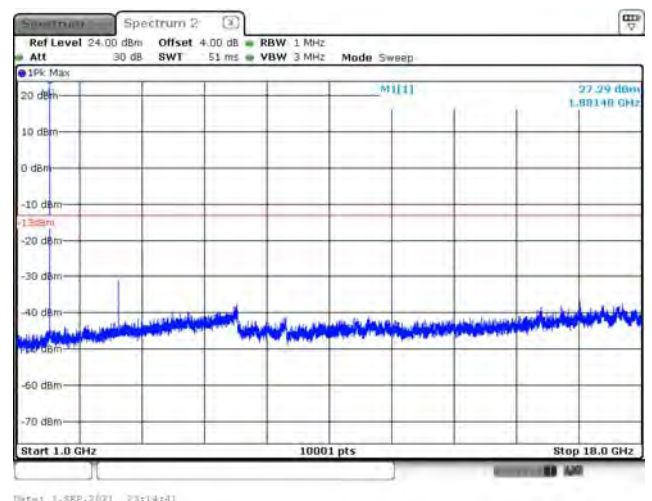
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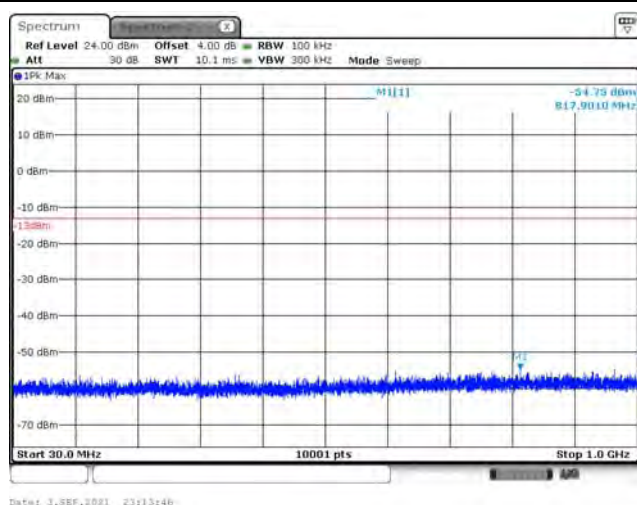
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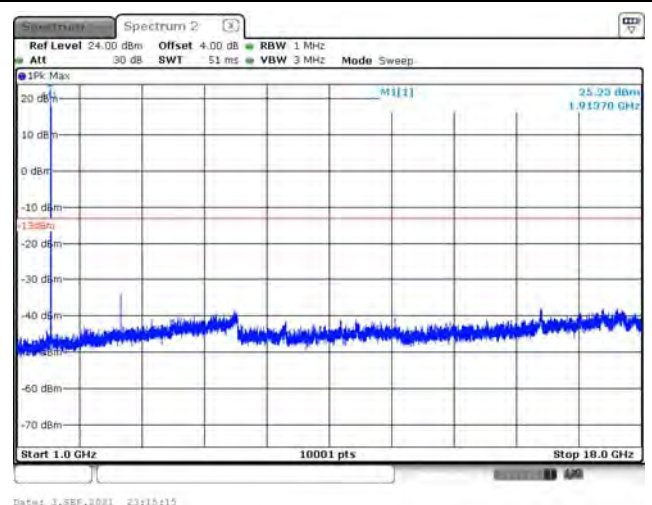
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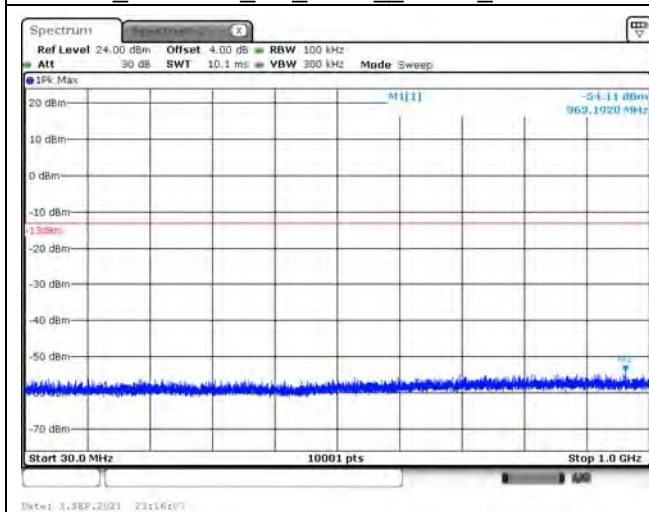
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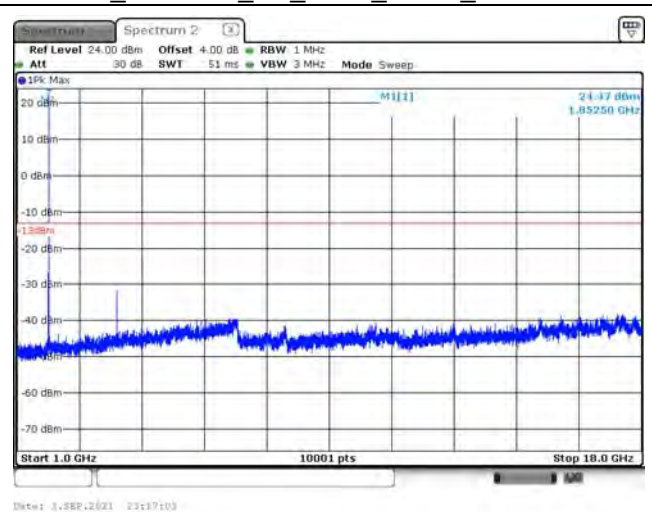
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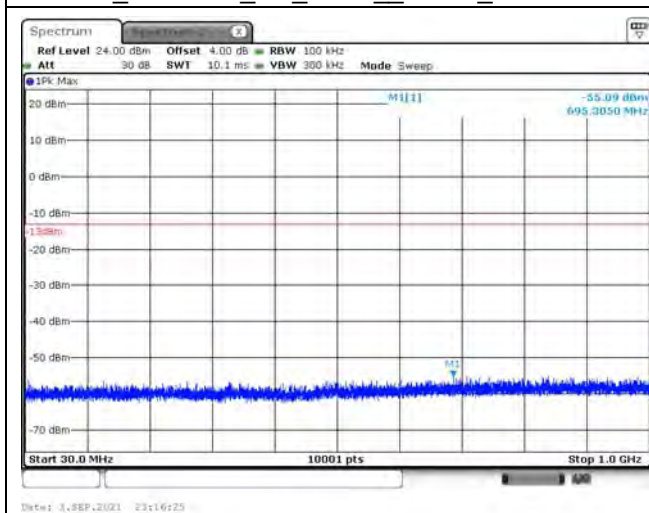
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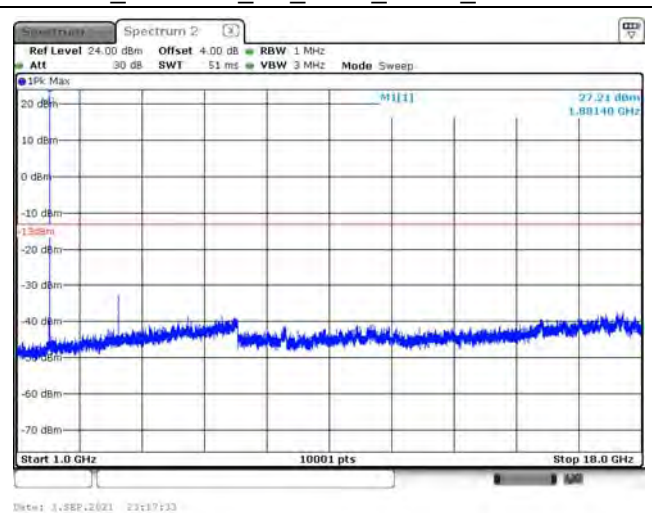
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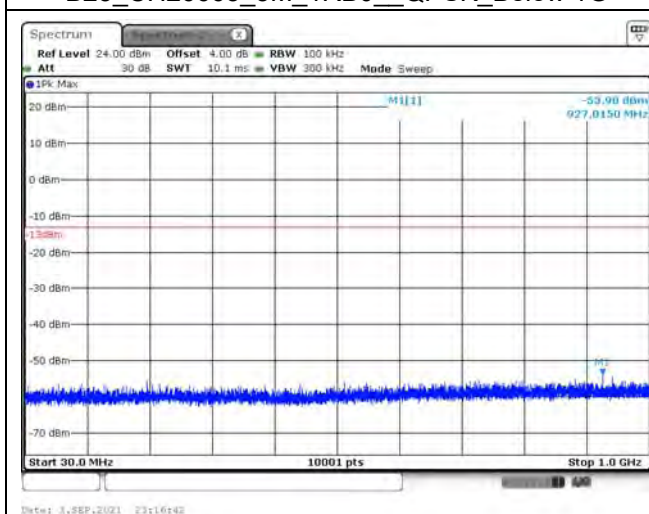
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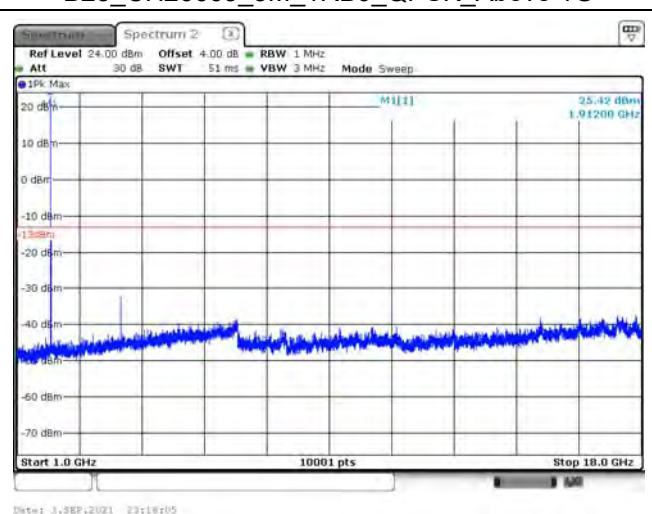
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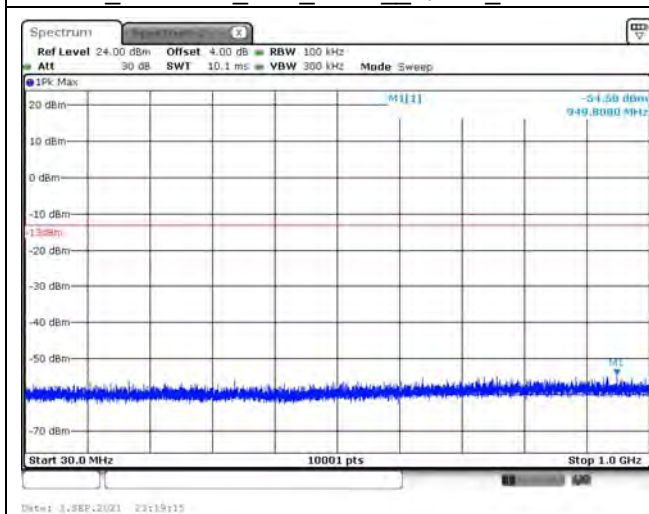
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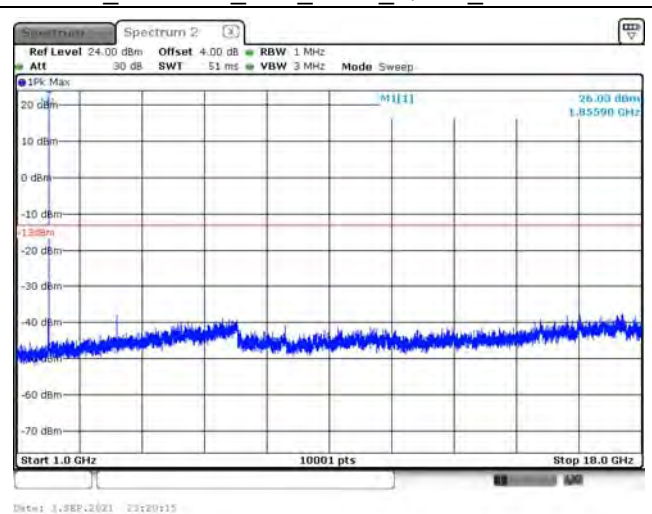
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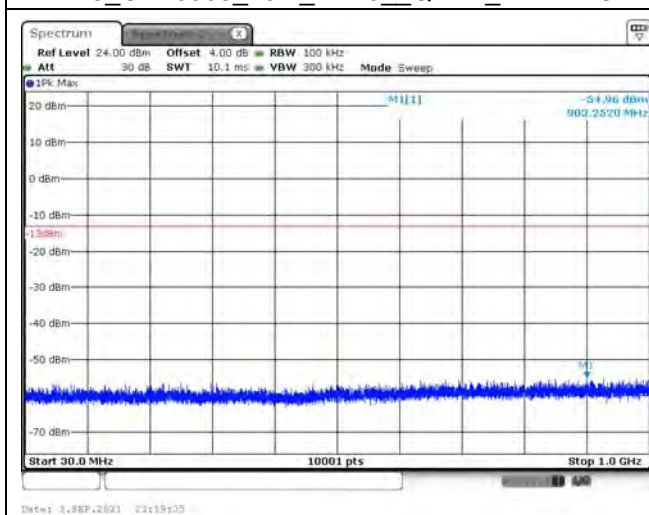
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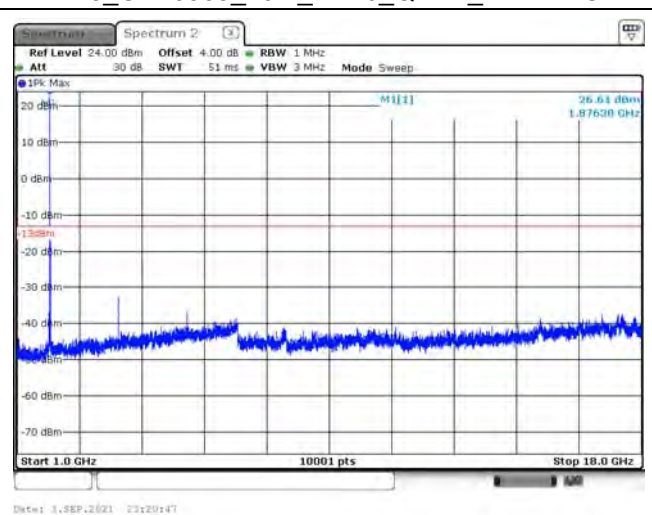
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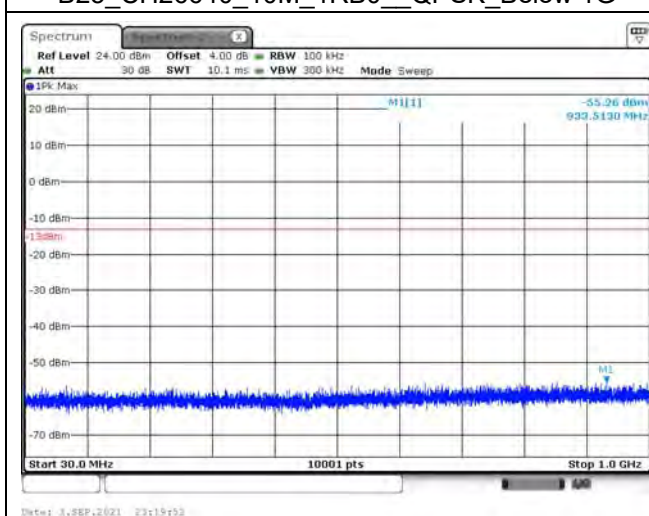
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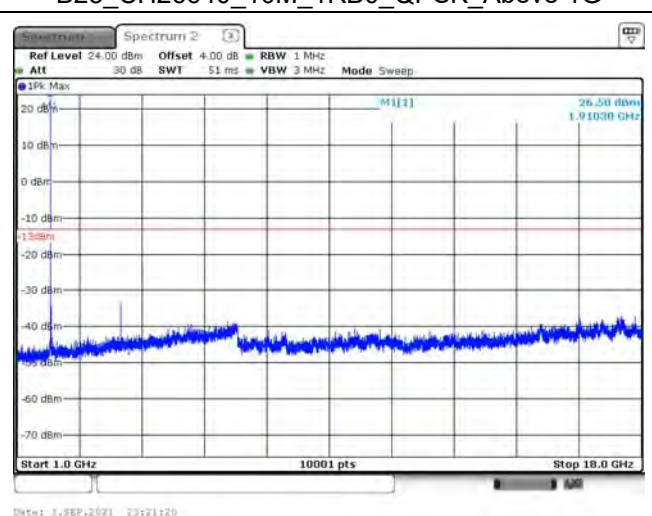
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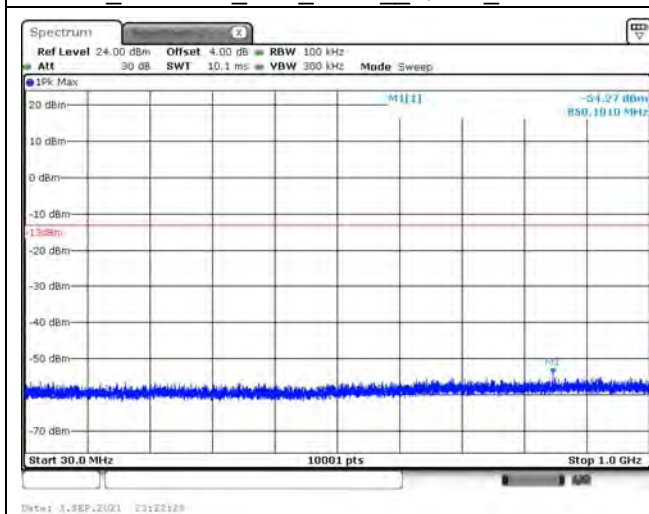
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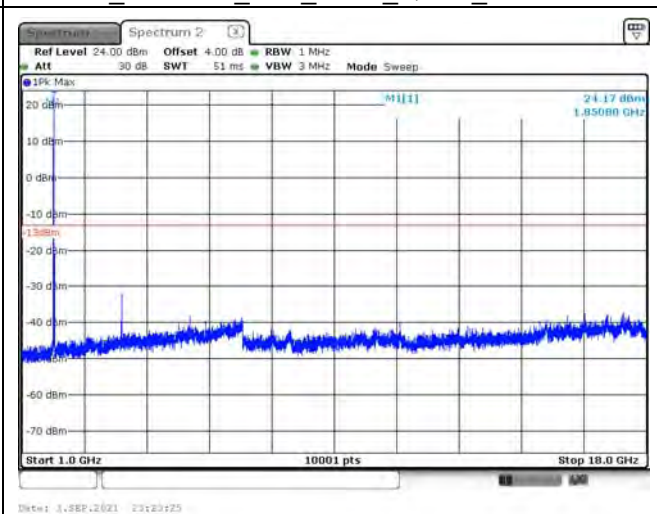
B25_CH26640_10M_1RB0_QPSK_Above 1G



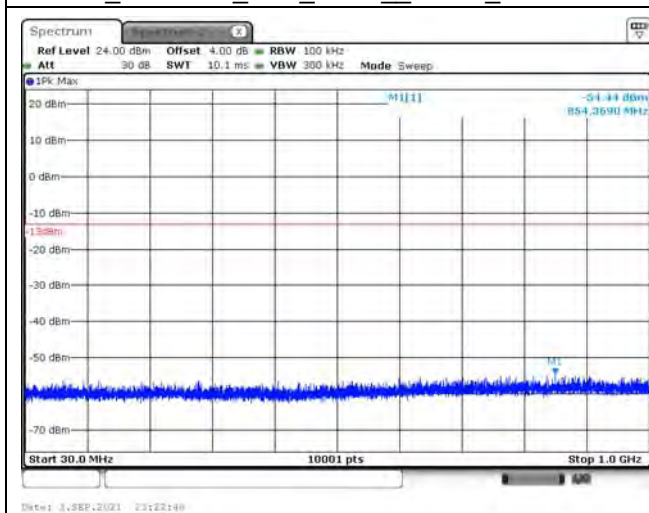
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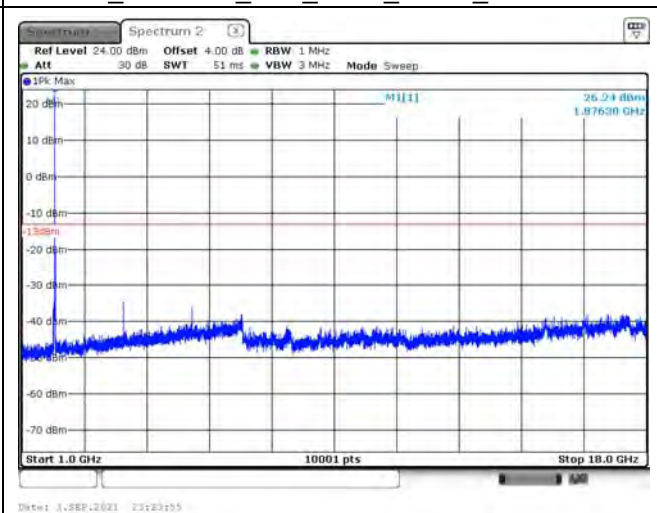
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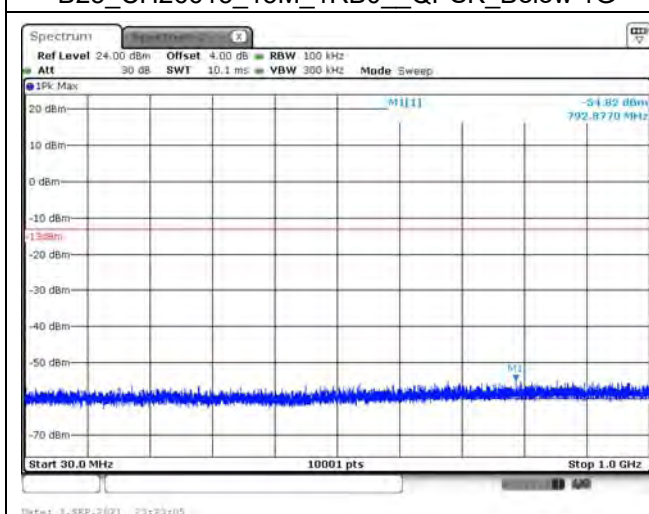
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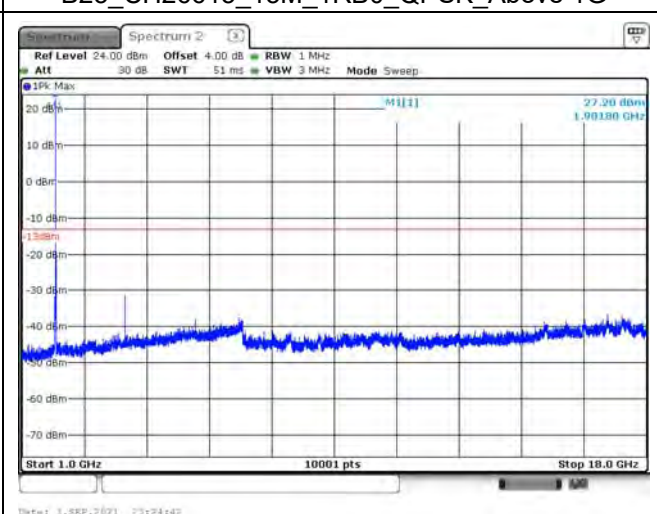
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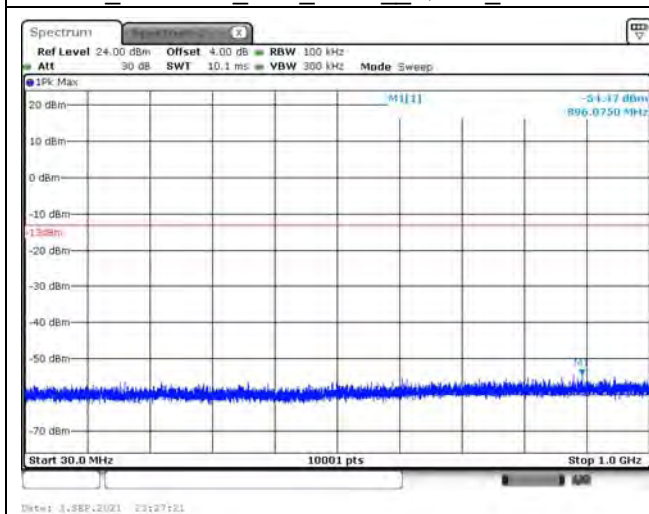
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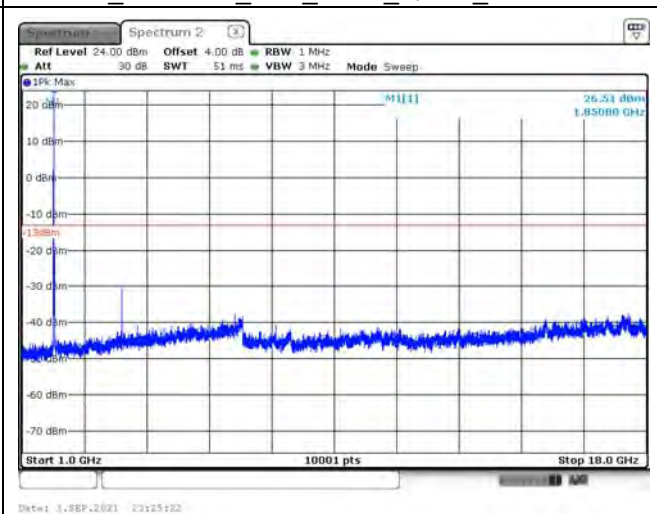
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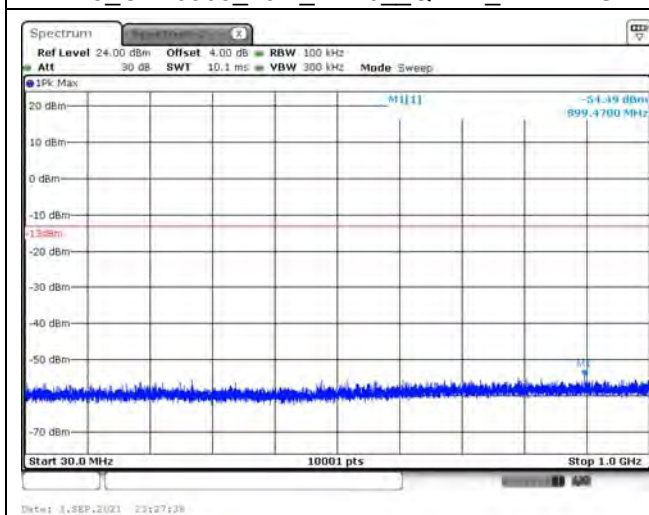
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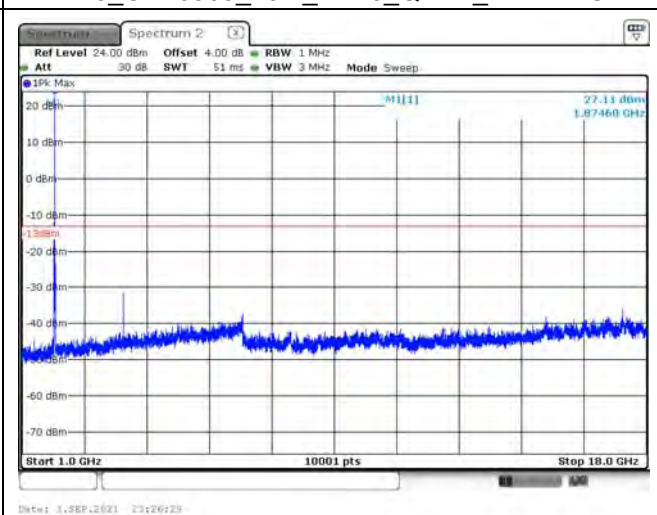
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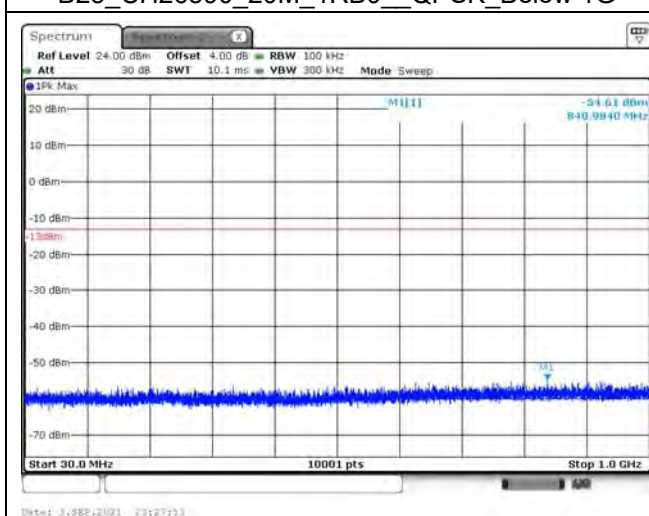
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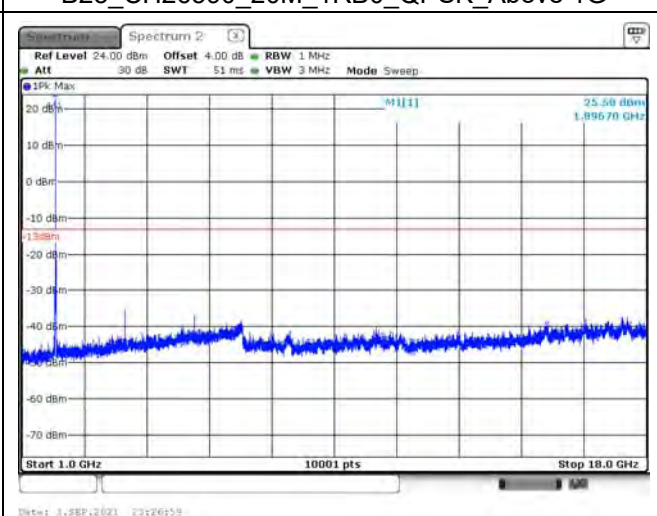
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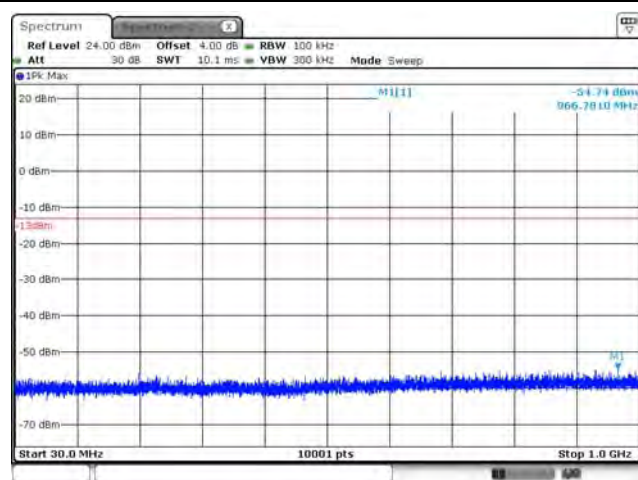


B25_CH26590_20M_1RB0_QPSK_Below 1G

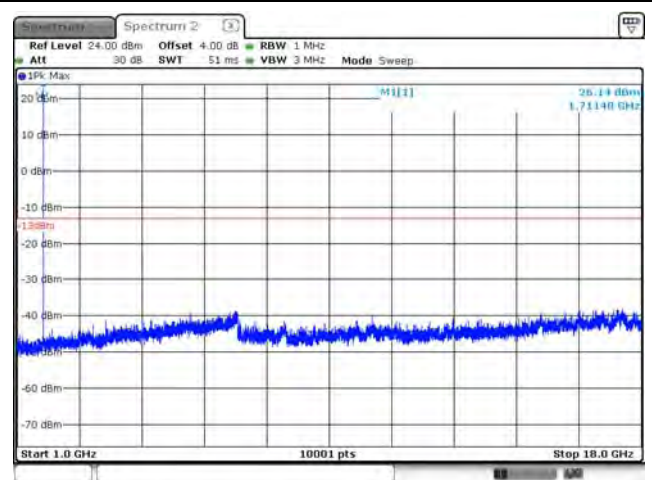


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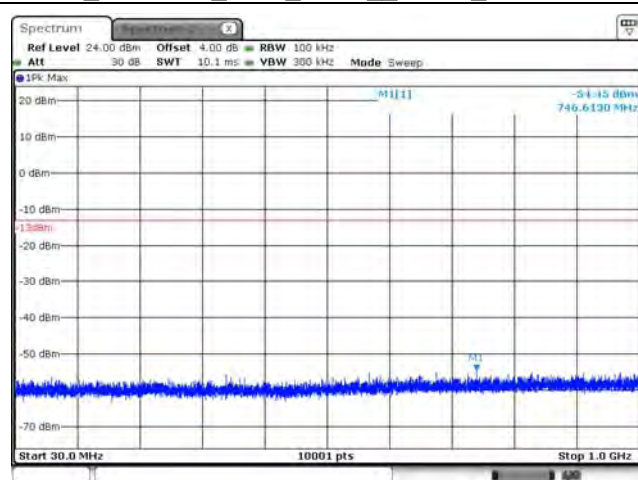


Mode 2: LTE Band 4**B4_CH19957_1.4M_1RB0_QPSK_Below 1G**

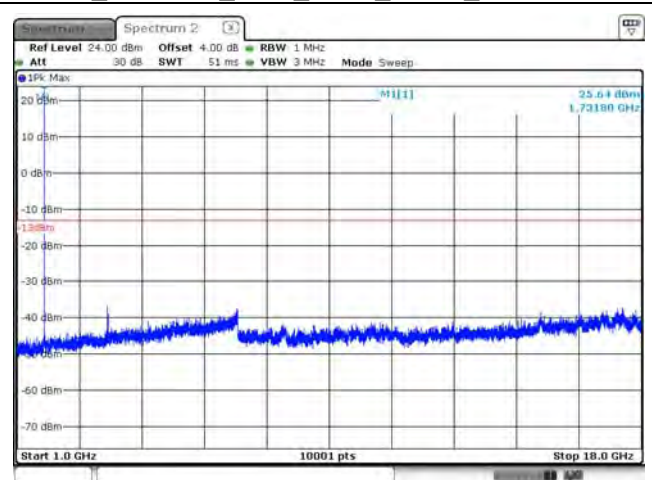
Date: 3.SEP.2021 23:31:30

B4_CH19957_1.4M_1RB0_QPSK_Above 1G

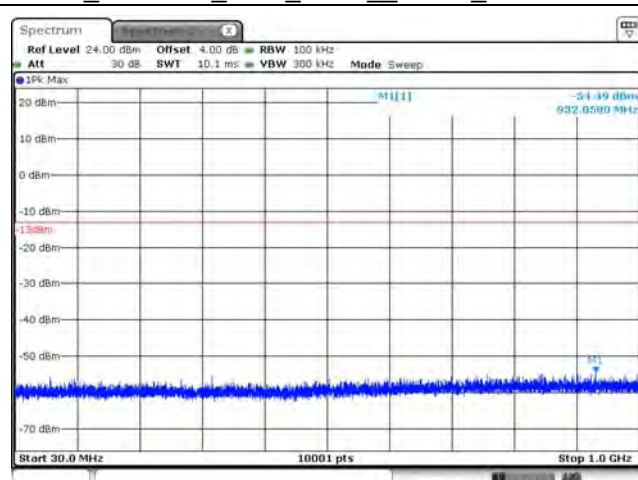
Date: 3.SEP.2021 23:31:33

B4_CH20175_1.4M_1RB0_QPSK_Below 1G

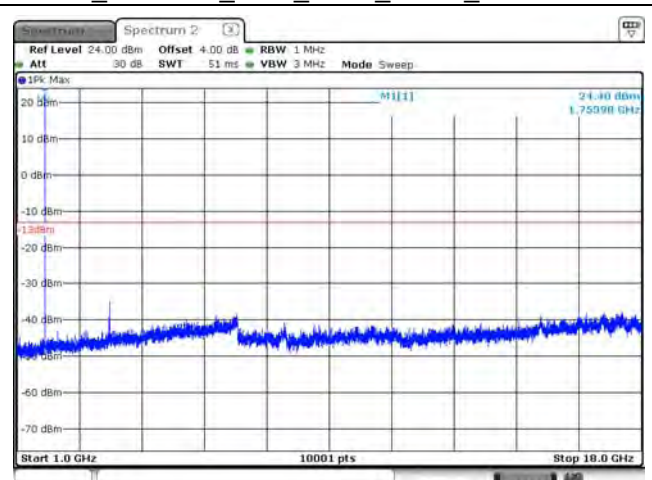
Date: 3.SEP.2021 23:31:00

B4_CH20175_1.4M_1RB0_QPSK_Above 1G

Date: 3.SEP.2021 23:31:31

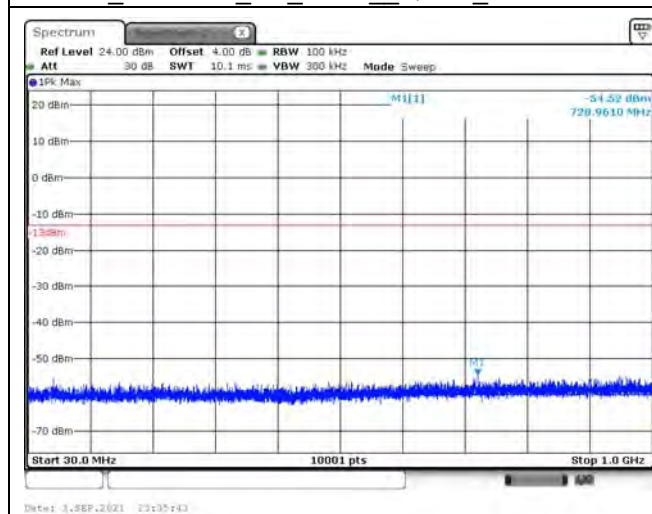
B4_CH20393_1.4M_1RB0_QPSK_Below 1G

Date: 3.SEP.2021 23:31:25

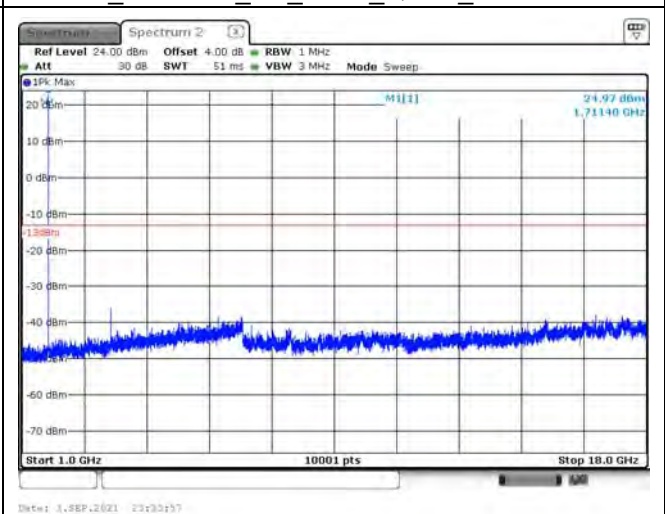
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Date: 3.SEP.2021 23:33:00

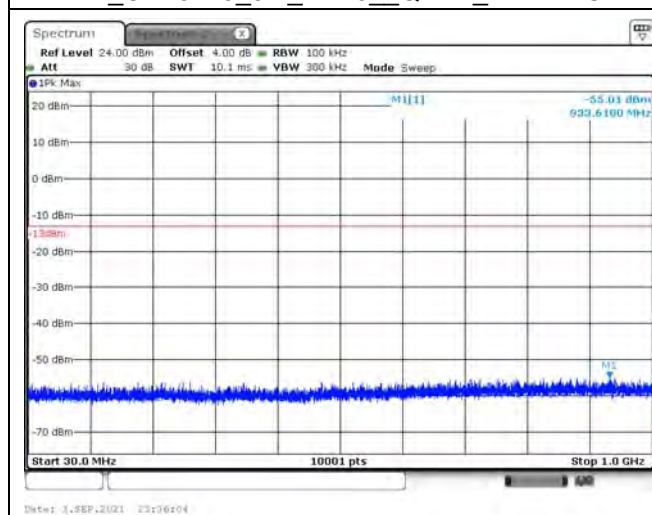
B4_CH19965_3M_1RB0_QPSK_Below 1G



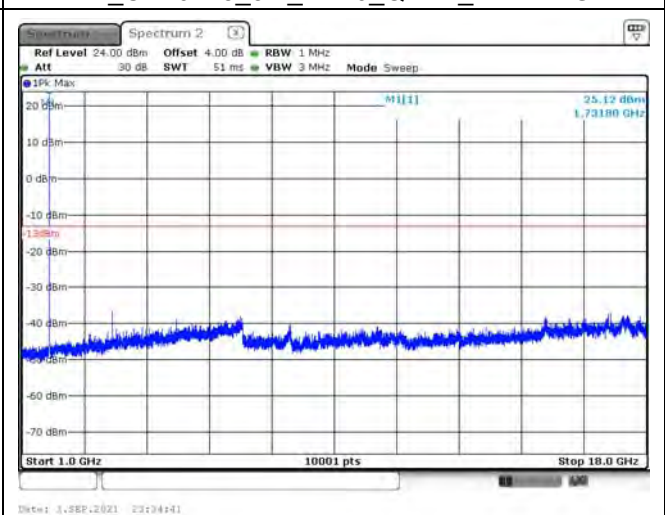
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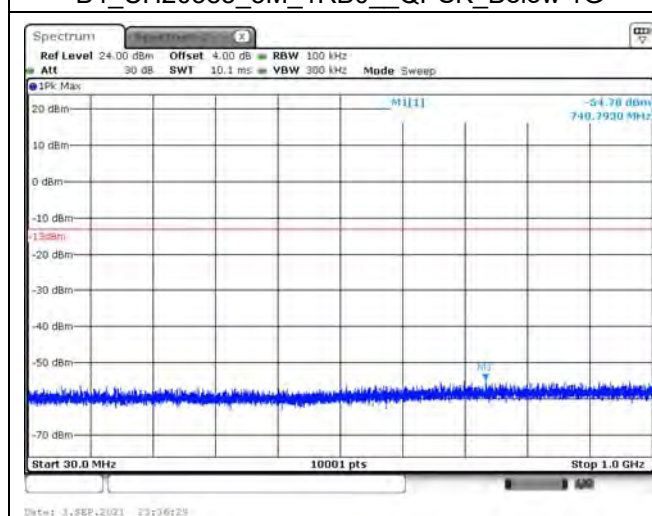
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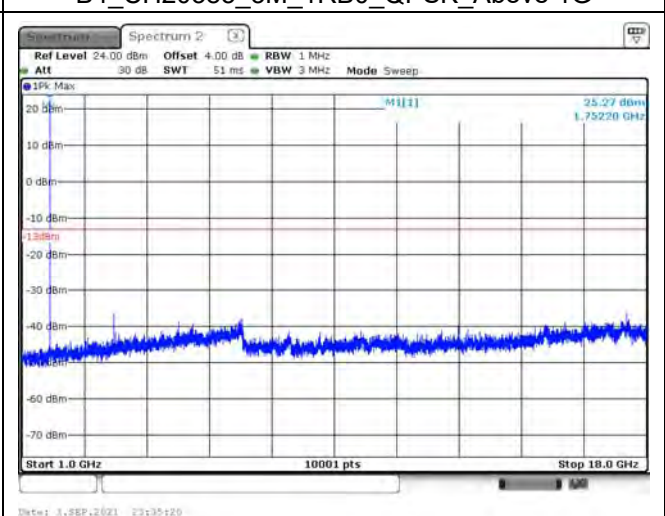
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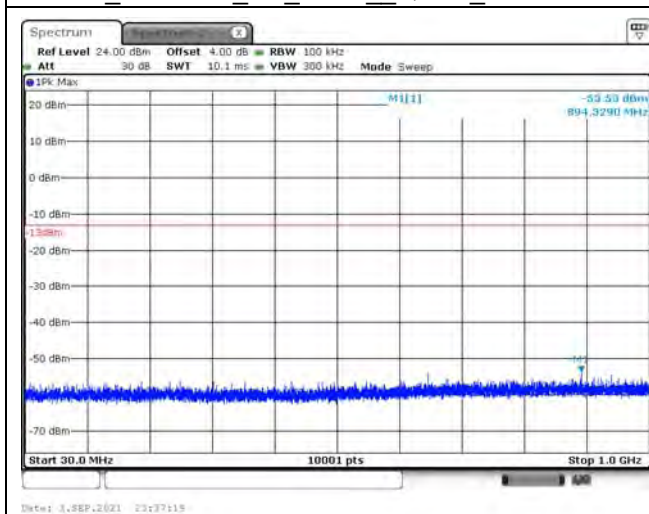
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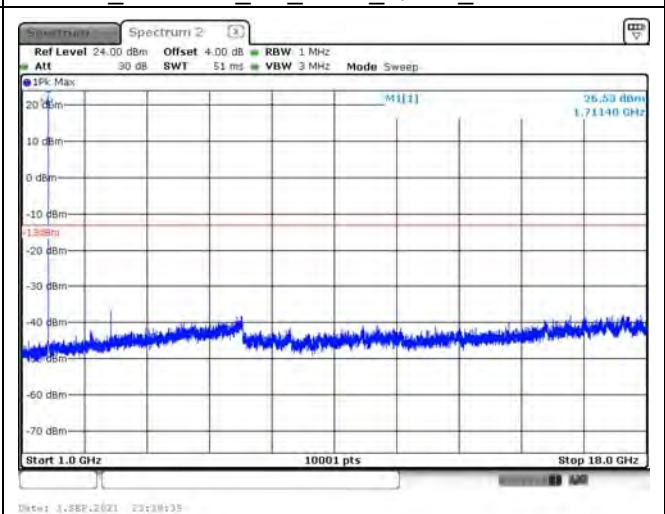
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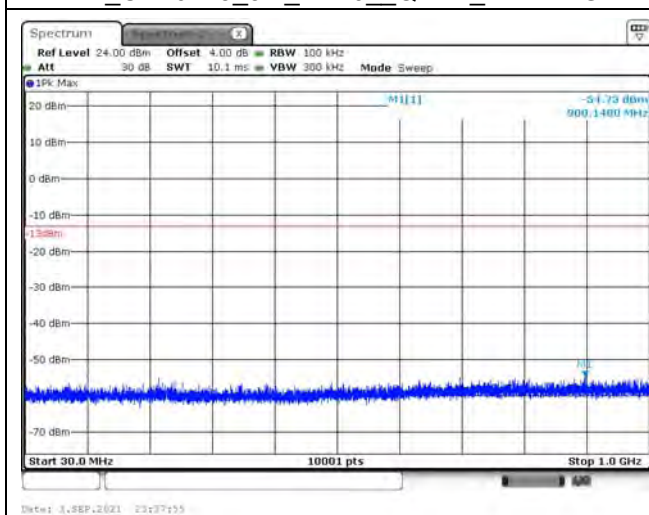
B4_CH19975_5M_1RB0_QPSK_Below 1G



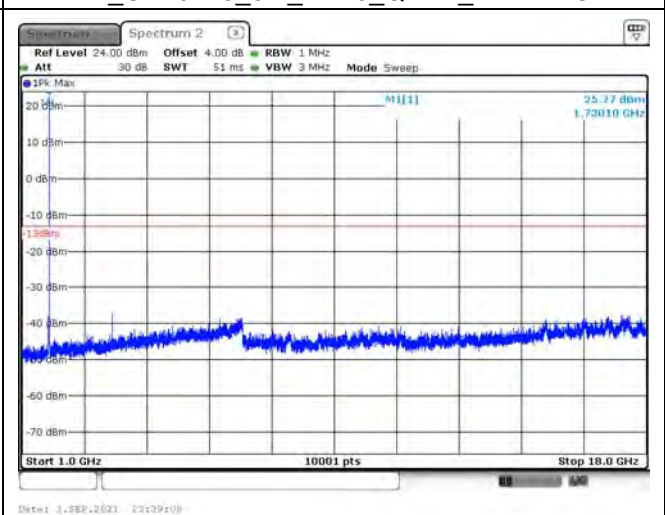
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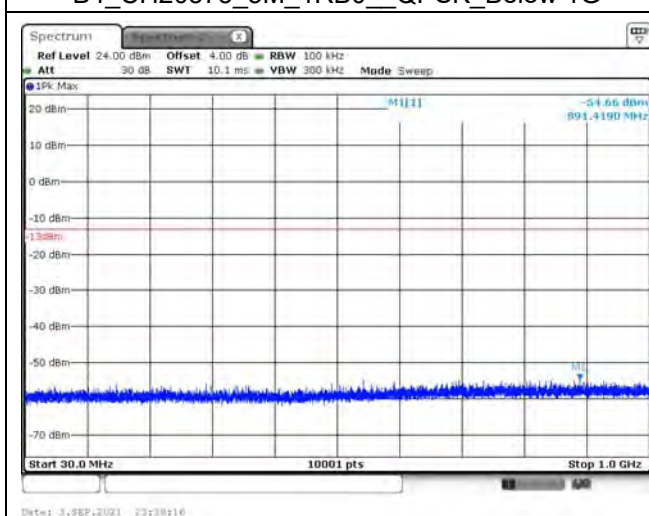
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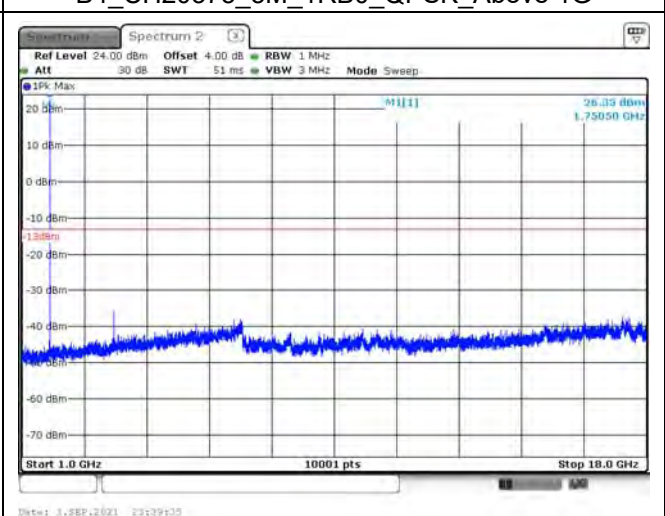
B4_CH20175_5M_1RB0_QPSK_Above 1G



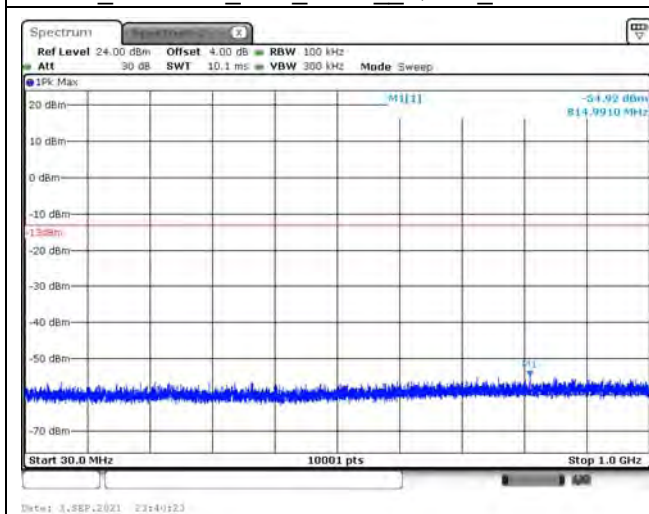
B4_CH20375_5M_1RB0_QPSK_Below 1G



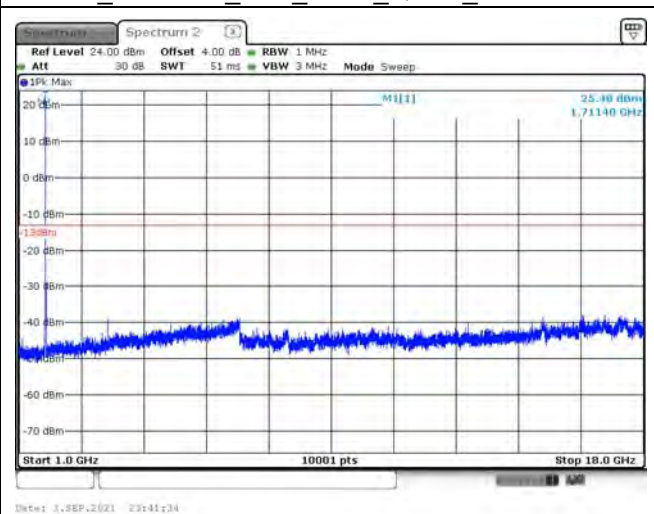
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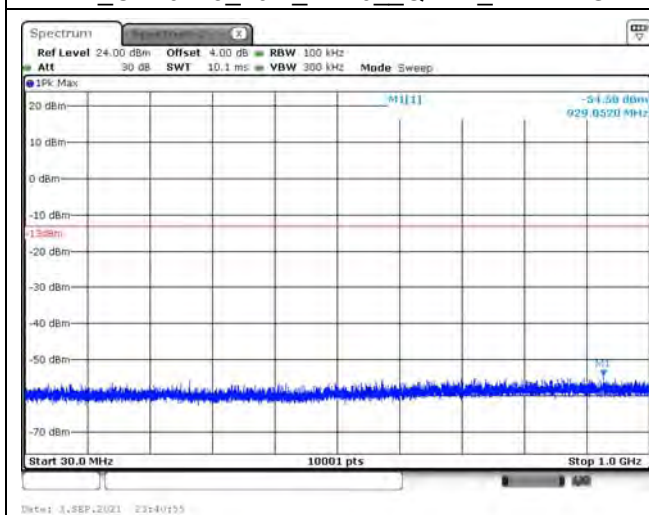
B4_CH20000_10M_1RB0_QPSK_Below 1G



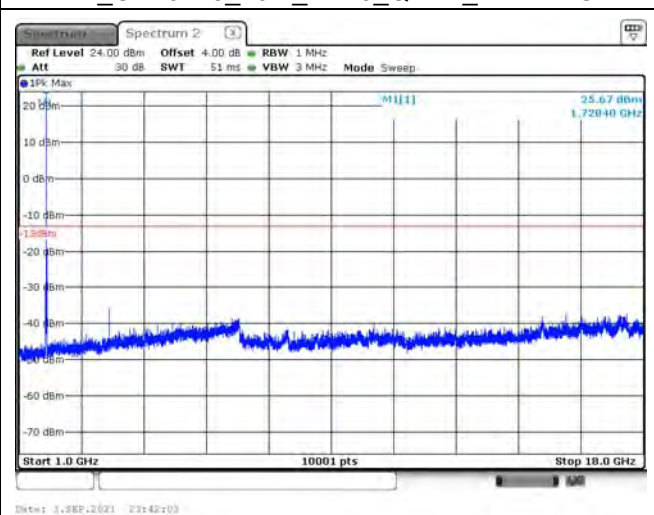
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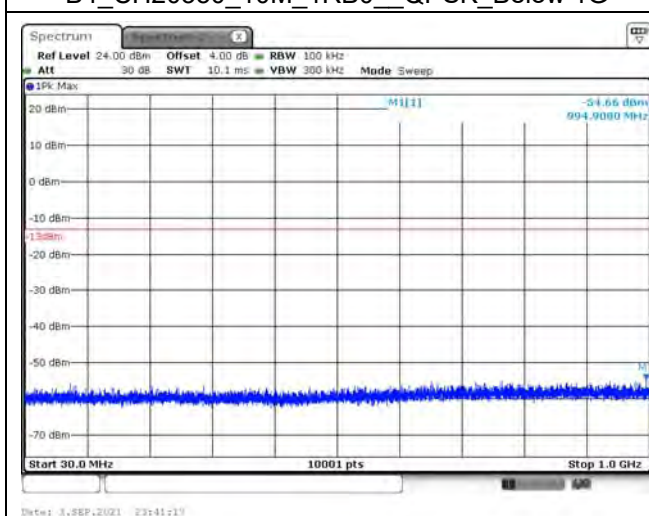
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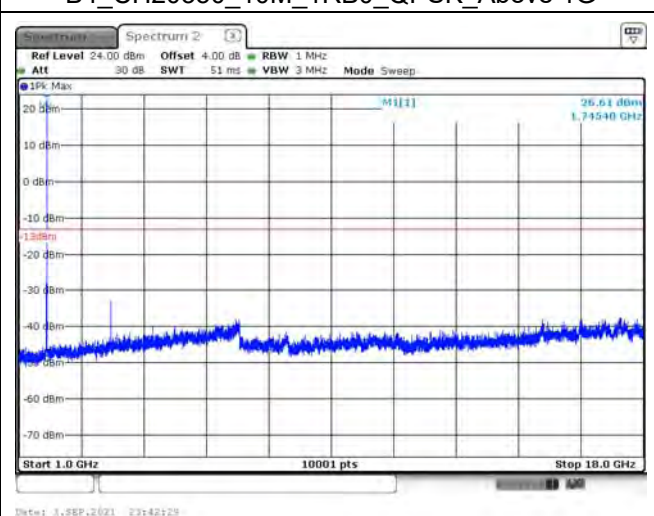
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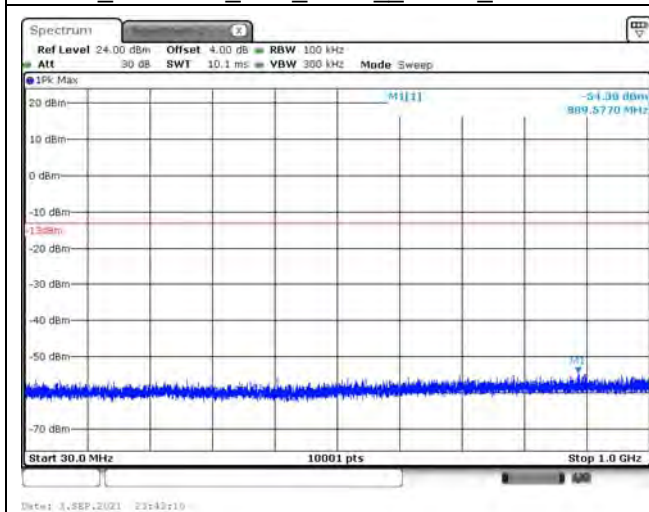
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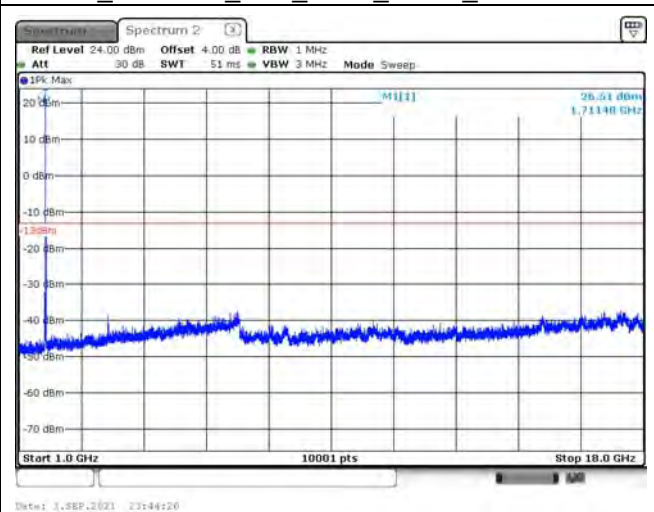
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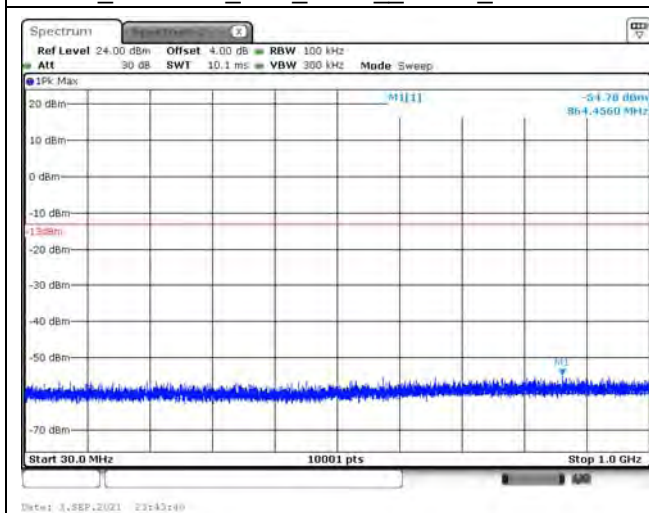
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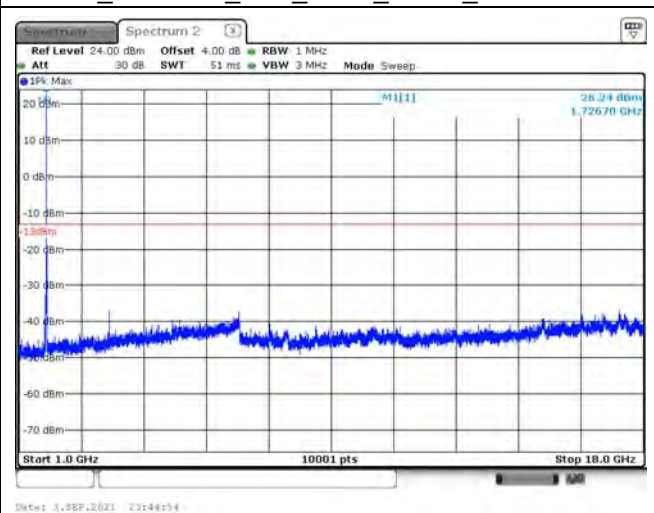
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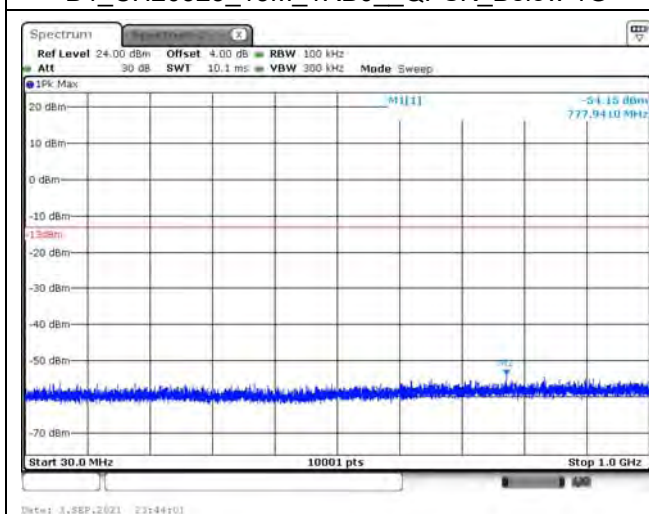
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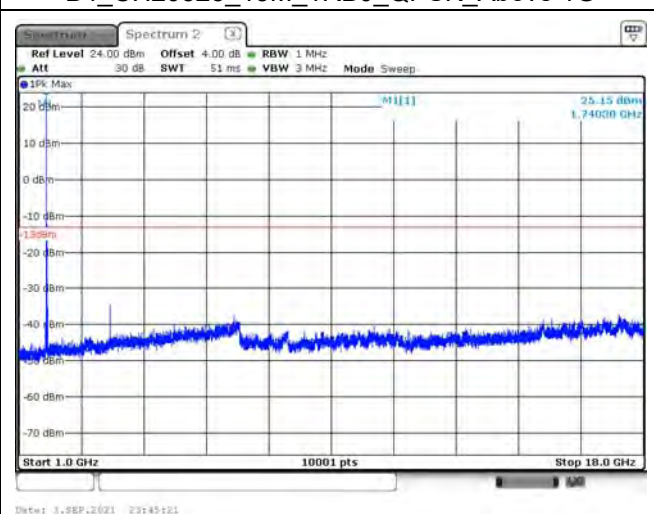
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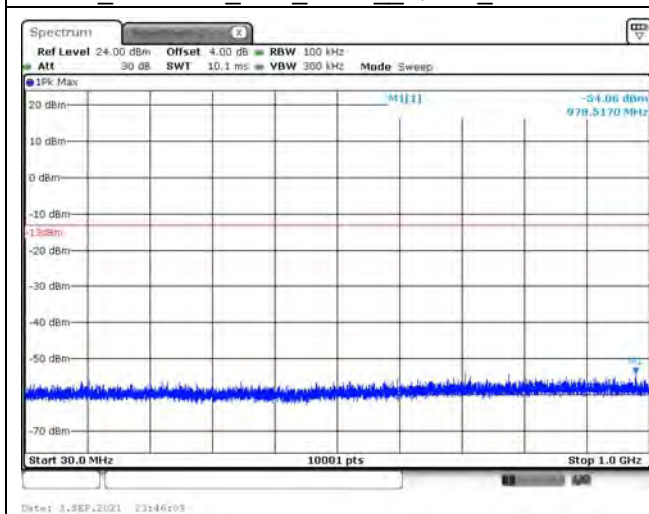
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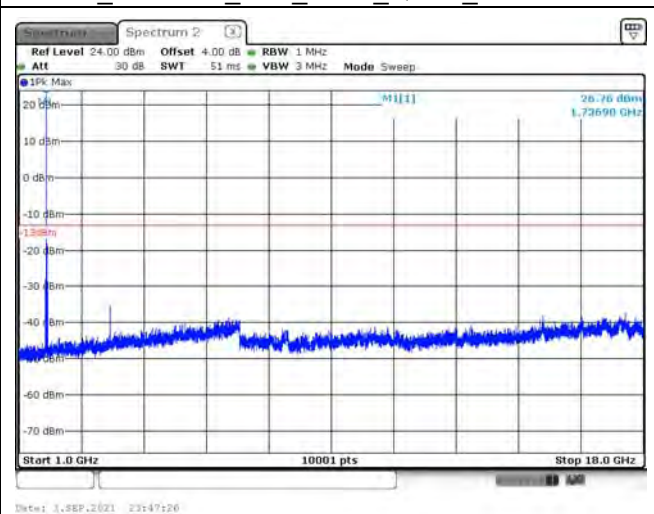
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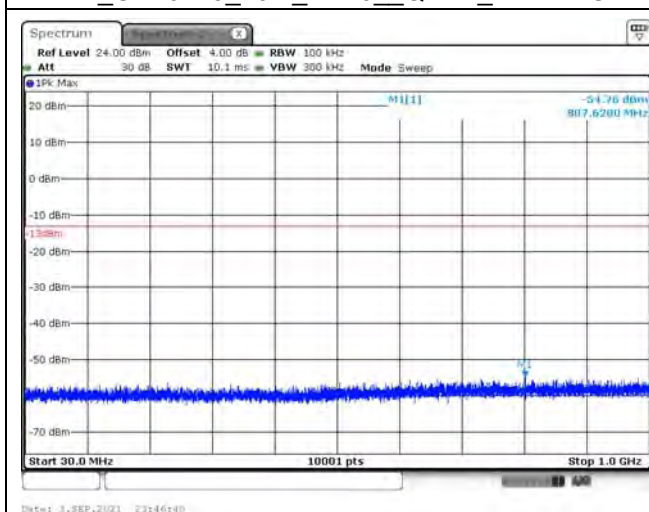
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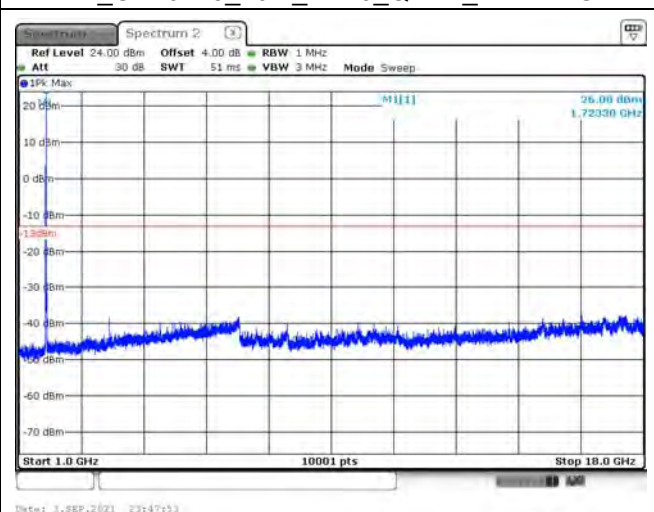
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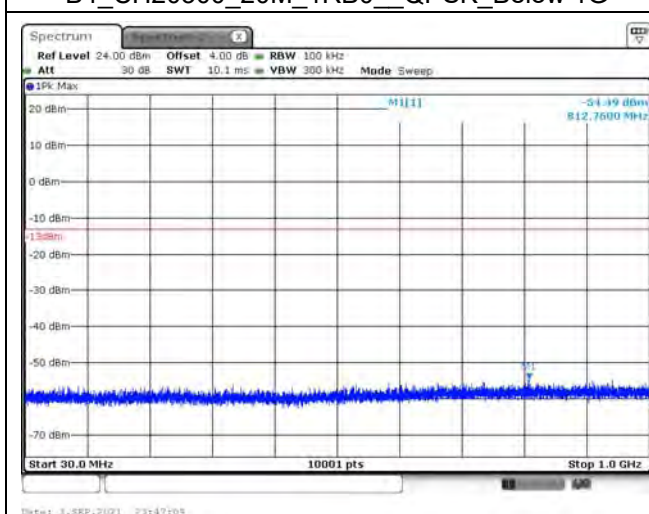
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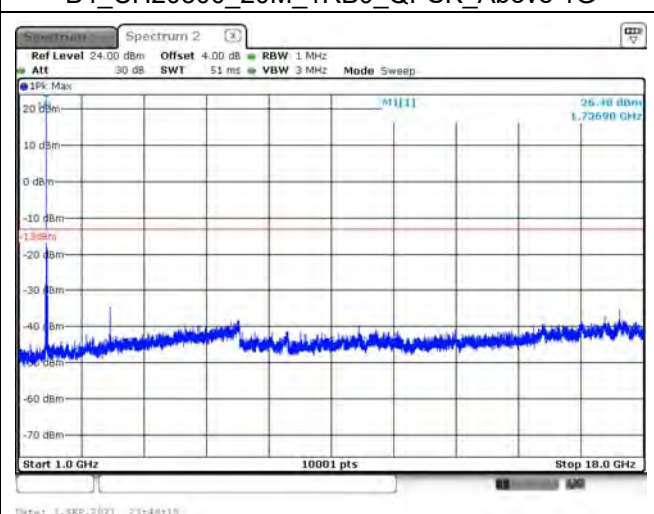
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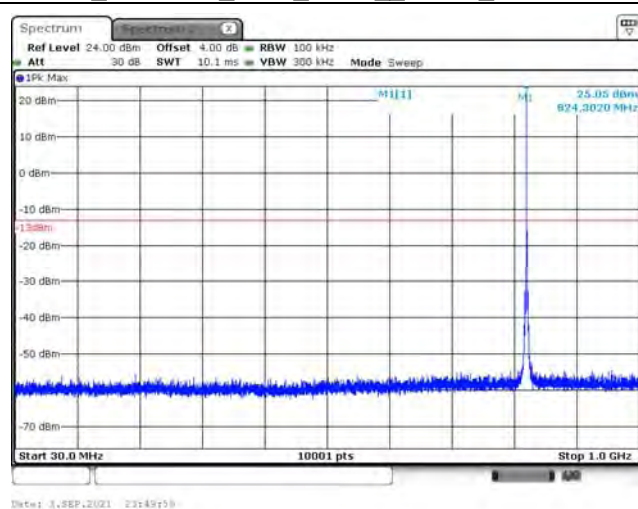
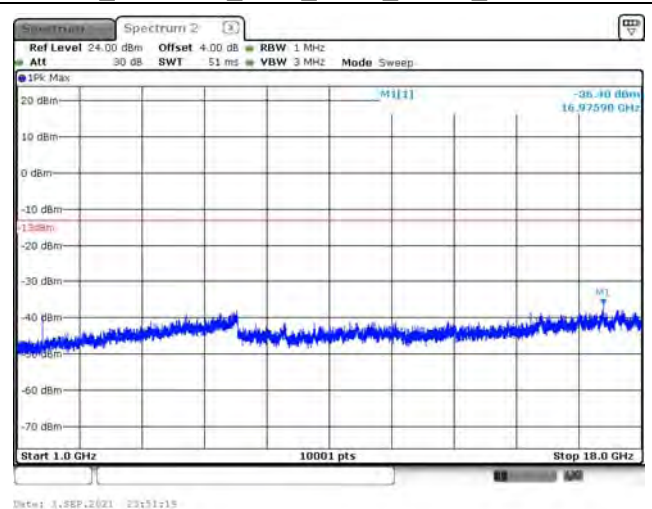
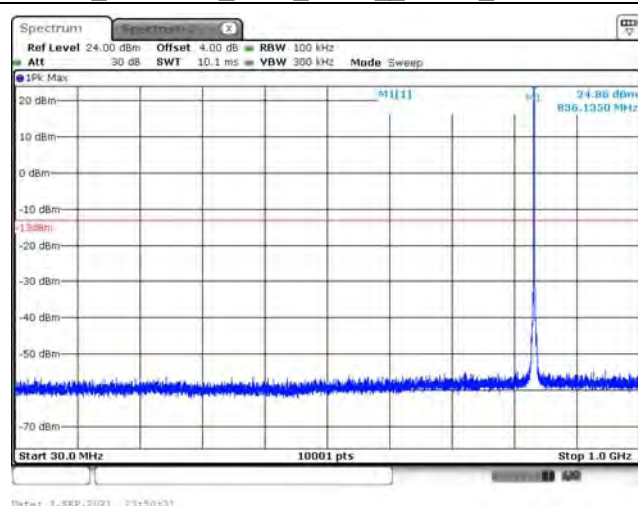
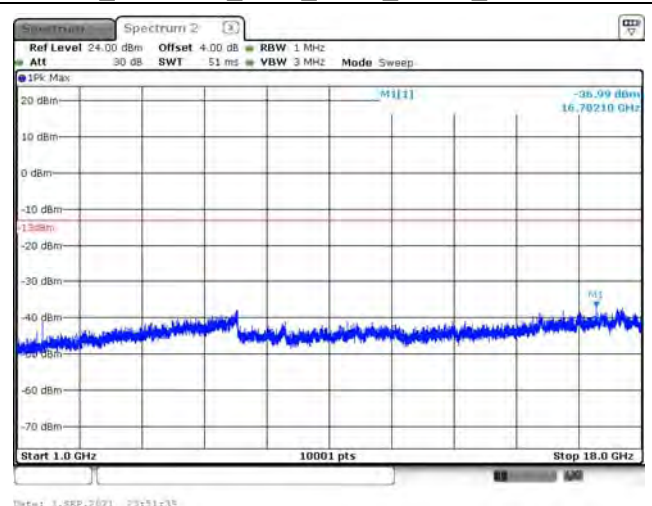
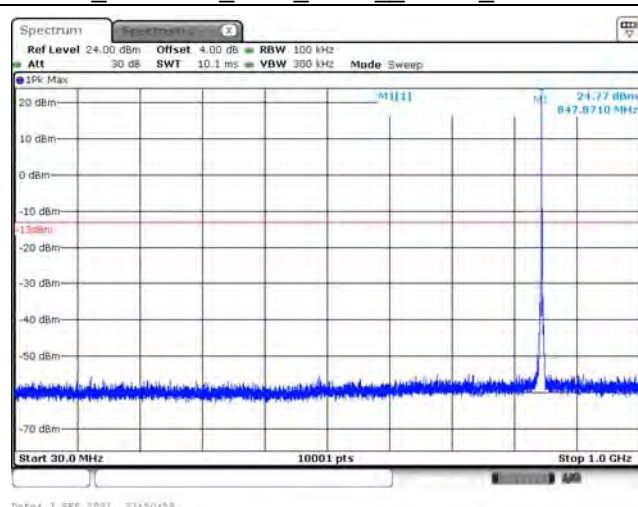
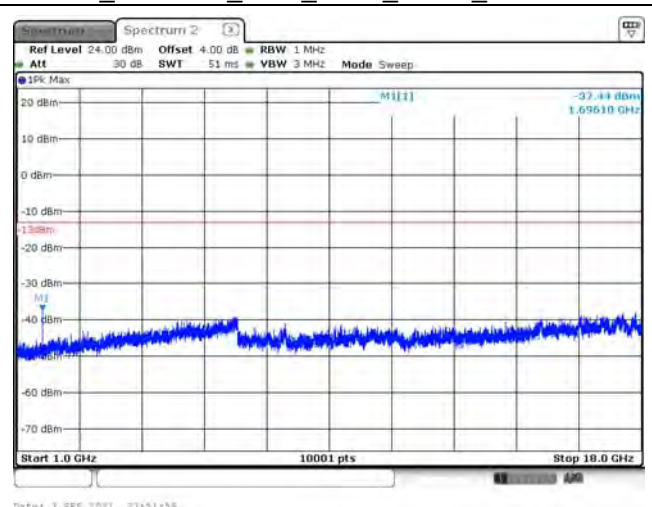


B4_CH20300_20M_1RB0_QPSK_Below 1G

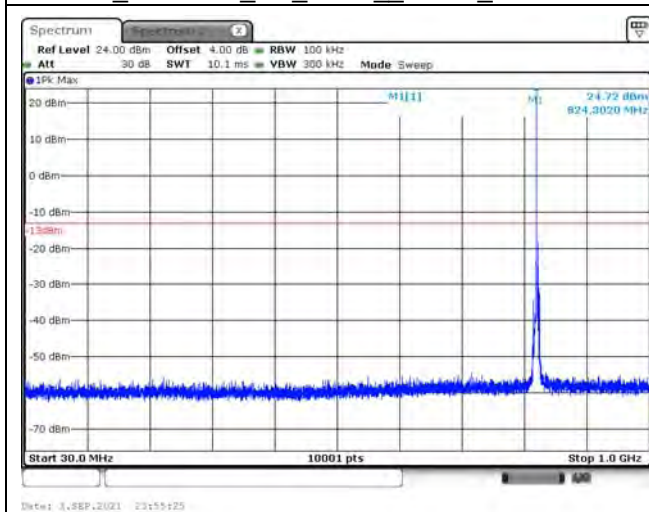


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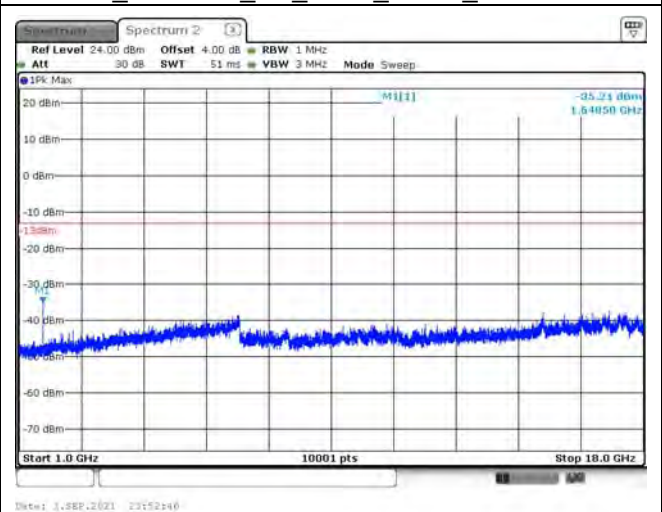


Mode 3: LTE Band 5/26 (Part 22)**B26_CH26797_1.4M_1RB0_QPSK_Below 1G****B26_CH26797_1.4M_1RB0_QPSK_Above 1G****B26_CH26915_1.4M_1RB0_QPSK_Below 1G****B26_CH26915_1.4M_1RB0_QPSK_Above 1G****B26_CH27033_1.4M_1RB0_QPSK_Below 1G****B26_CH27033_1.4M_1RB0_QPSK_Above 1G**

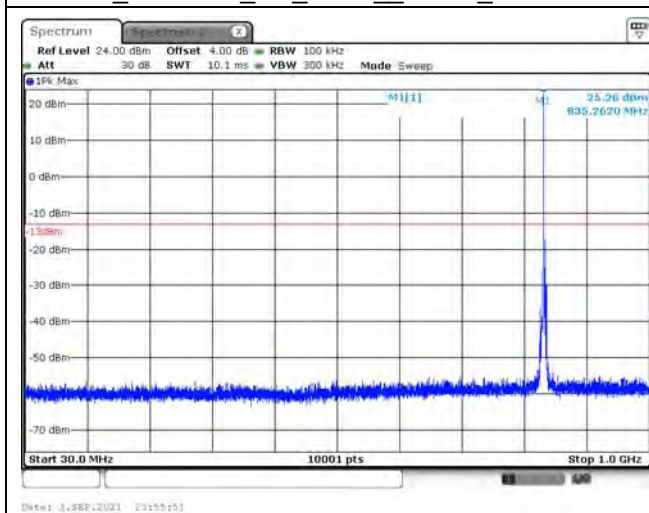
B26_CH26805_3M_1RB0_QPSK_Below 1G



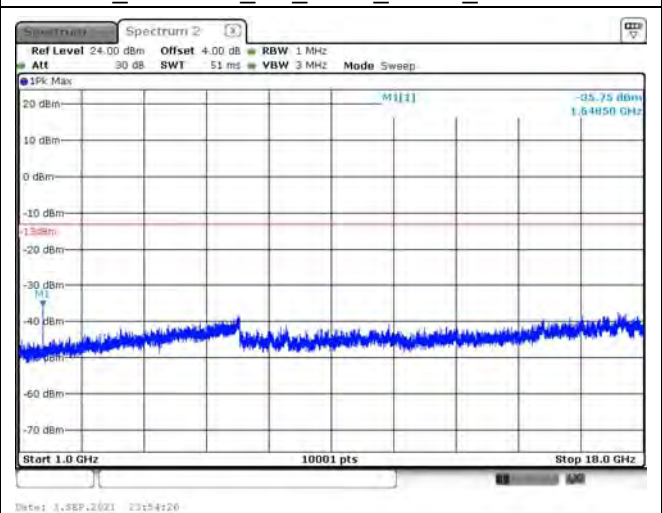
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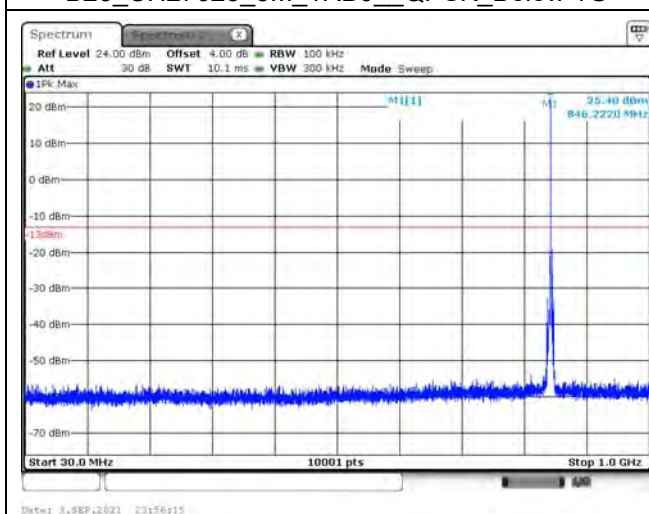
B26_CH26915_3M_1RB0_QPSK_Below 1G



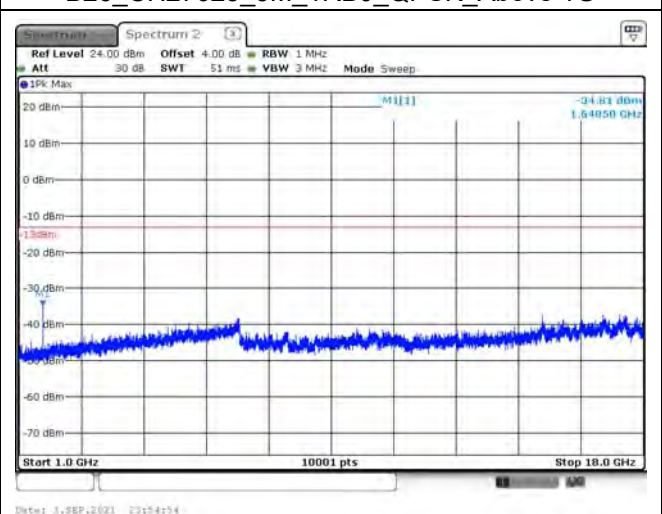
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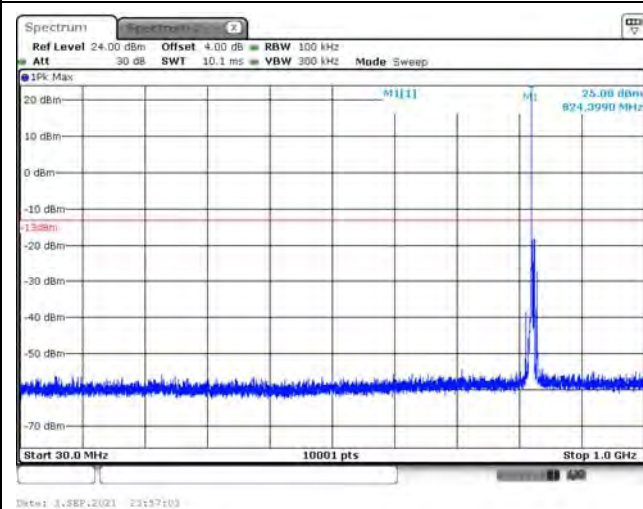
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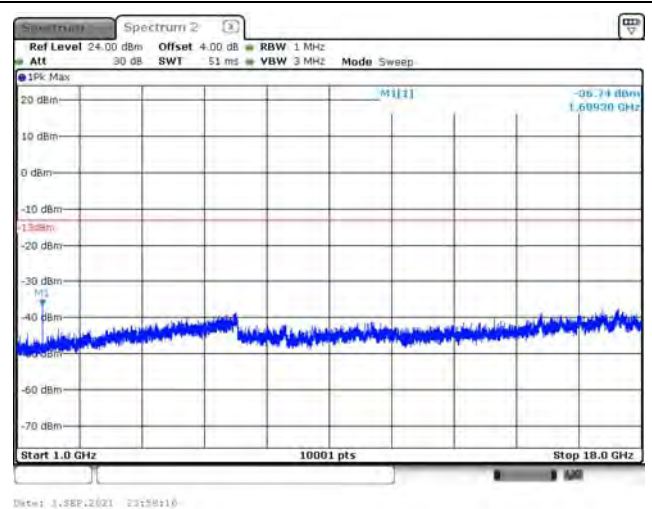
B26_CH27025_3M_1RB0_QPSK_Above 1G



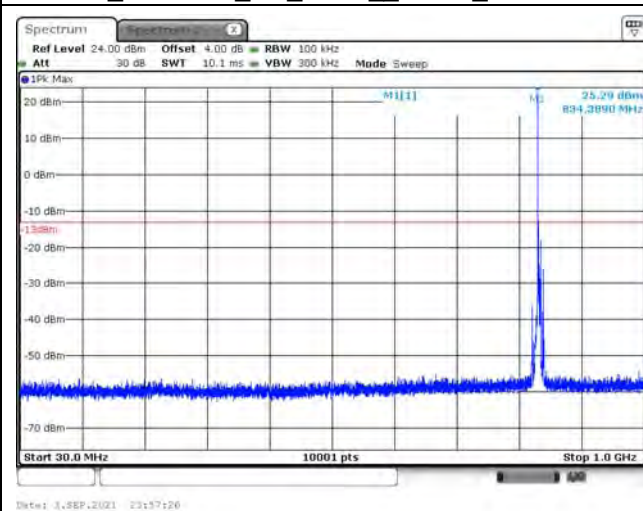
B26_CH26815_5M_1RB0_QPSK_Below 1G



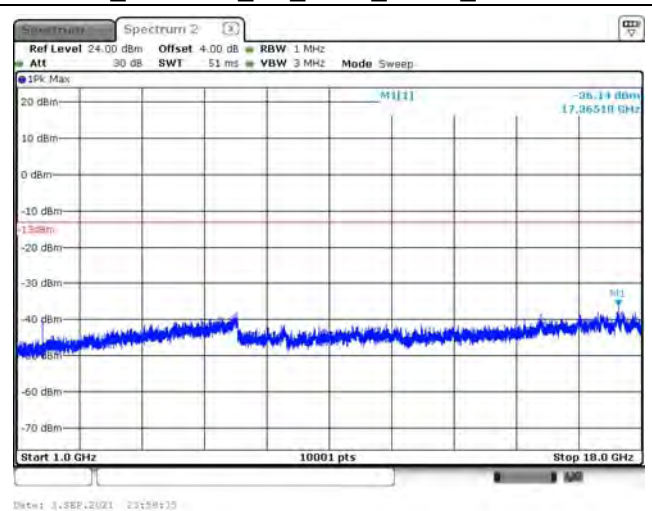
B26_CH26815_5M_1RB24_QPSK_Above 1G



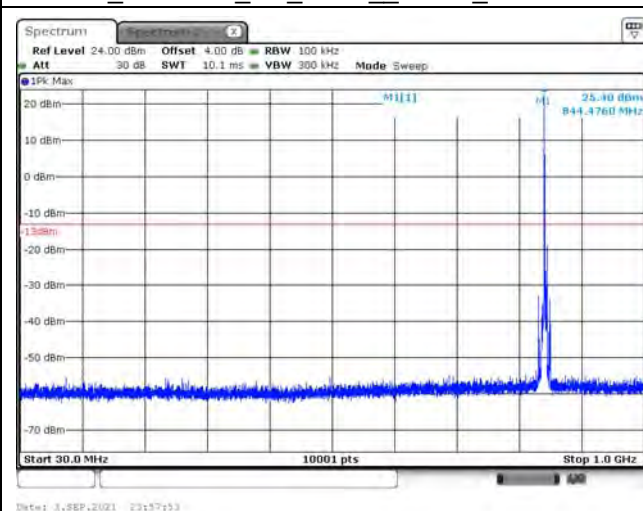
B26_CH26915_5M_1RB0_QPSK_Below 1G



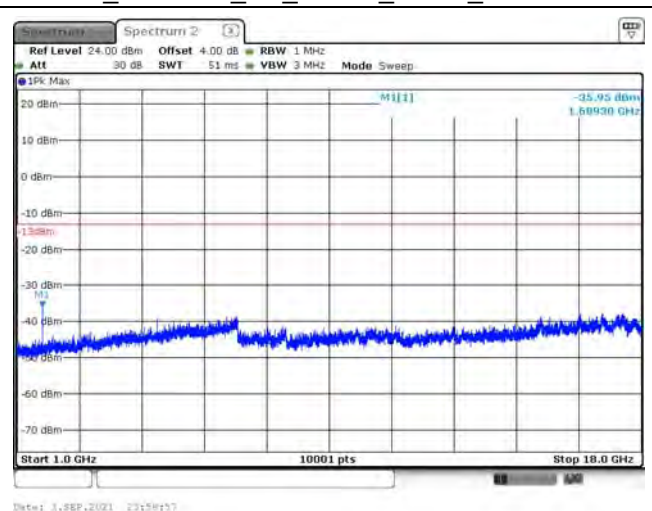
B26_CH26915_5M_1RB0_QPSK_Above 1G



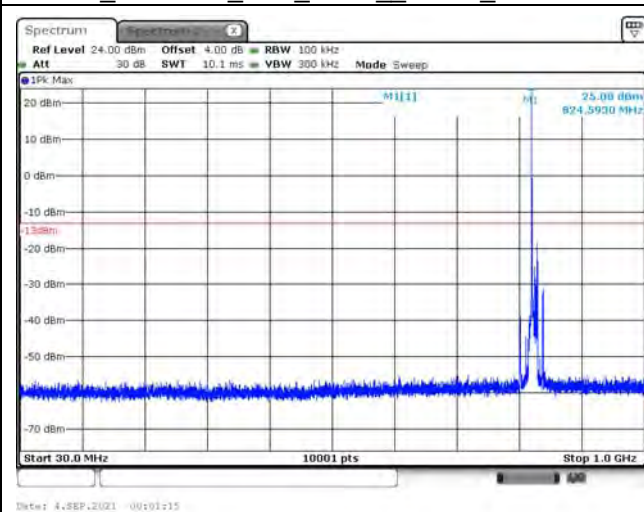
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B26_CH27015_5M_1RB12_QPSK_Above 1G

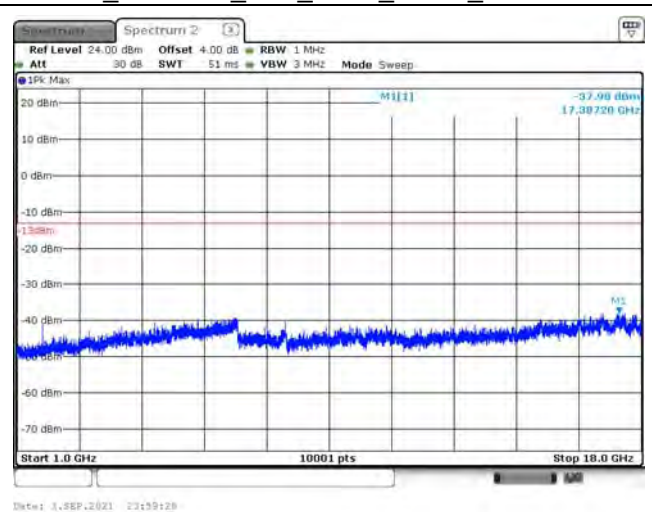


B26_CH26840_10M_1RB0_QPSK_Below 1G



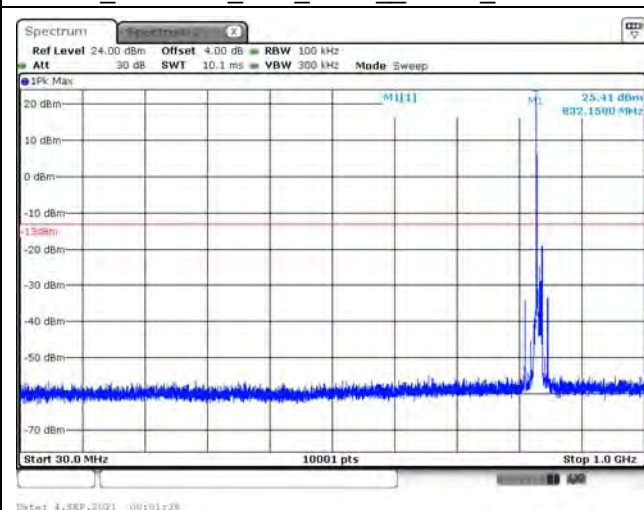
Date: 4.SEP.2021 00:01:15

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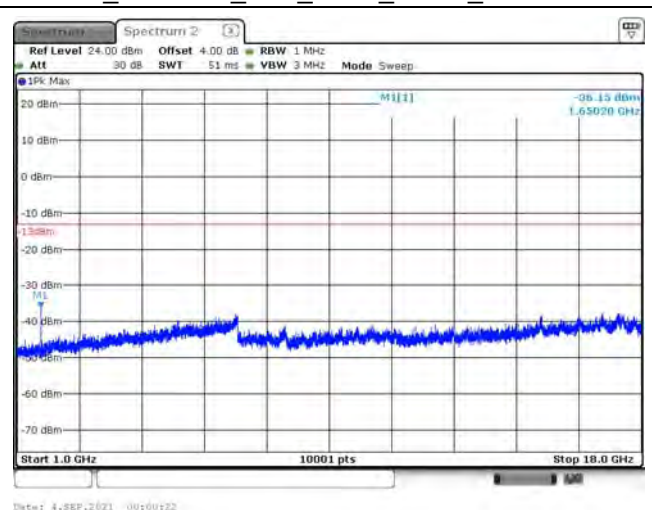
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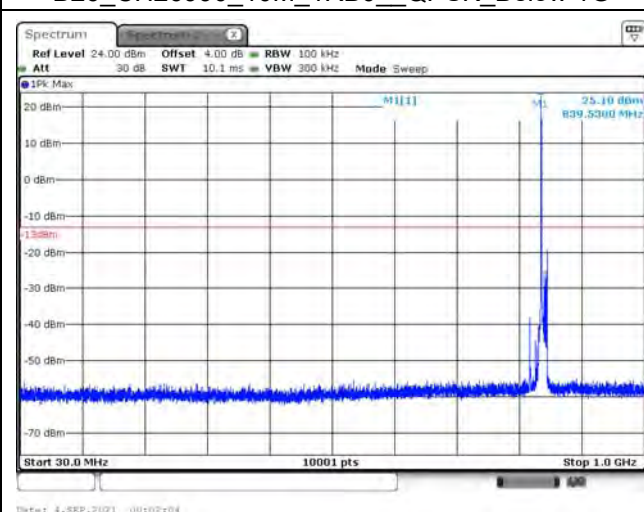
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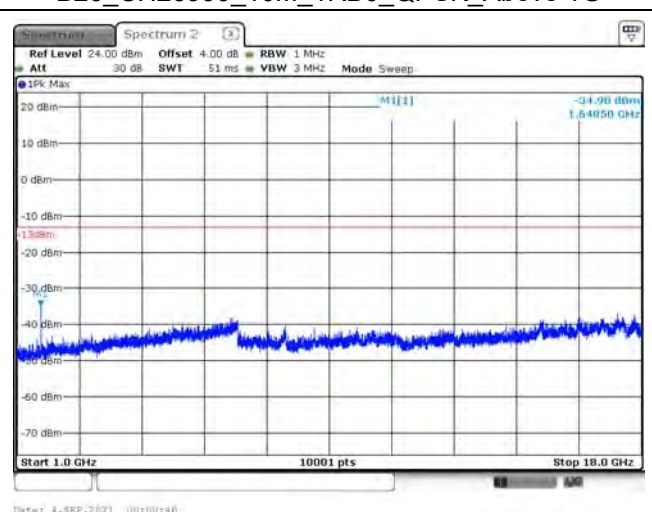
Date: 4.SEP.2021 00:01:22

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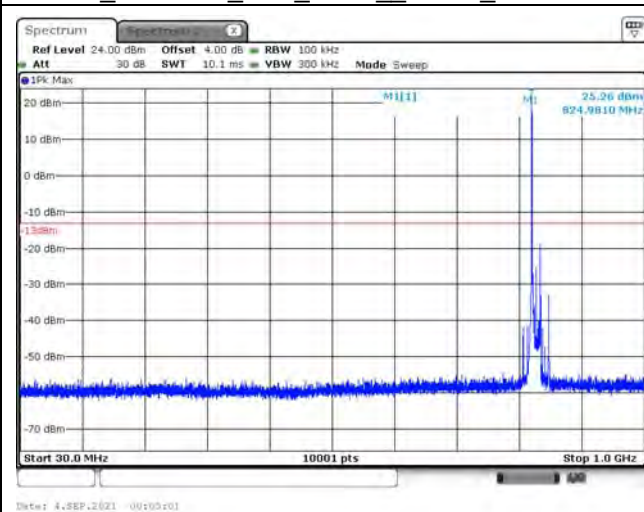
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B26_CH26990_10M_1RB0_QPSK_Above 1G

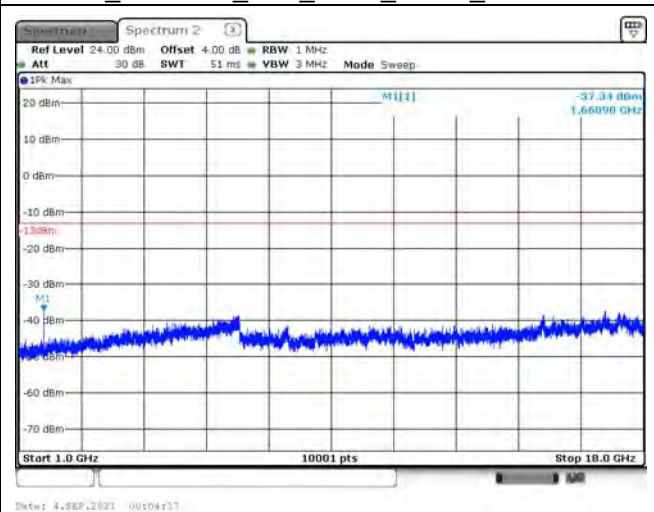


Date: 4.SEP.2021 00:00:46

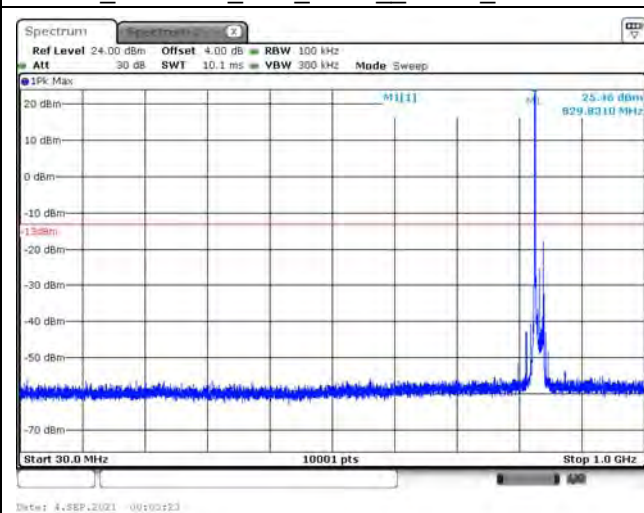
B26_CH26865_15M_1RB0_QPSK_Below 1G



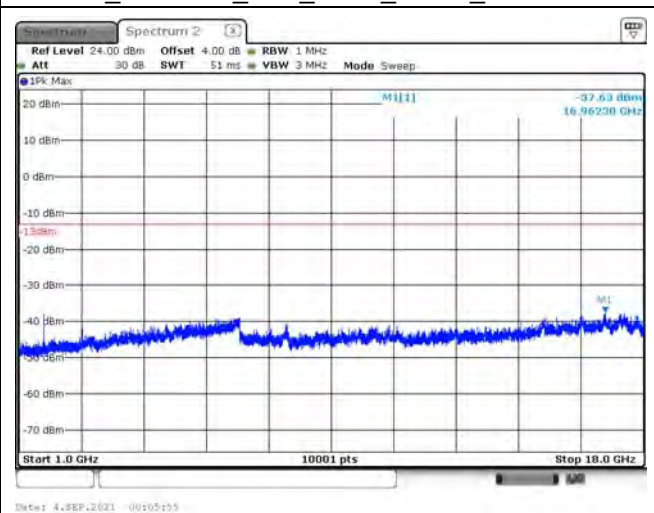
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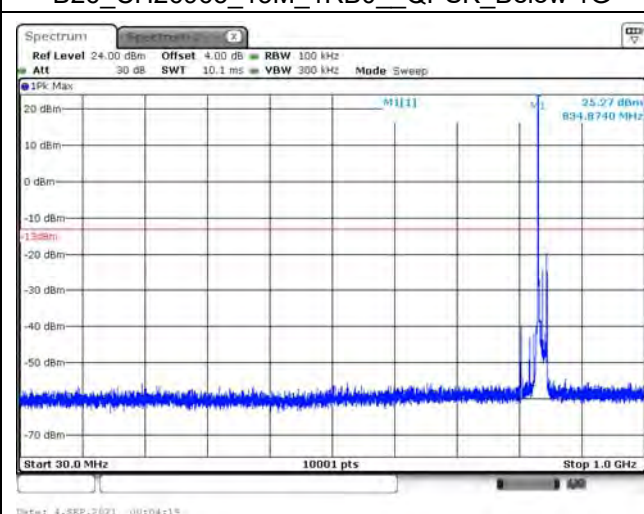
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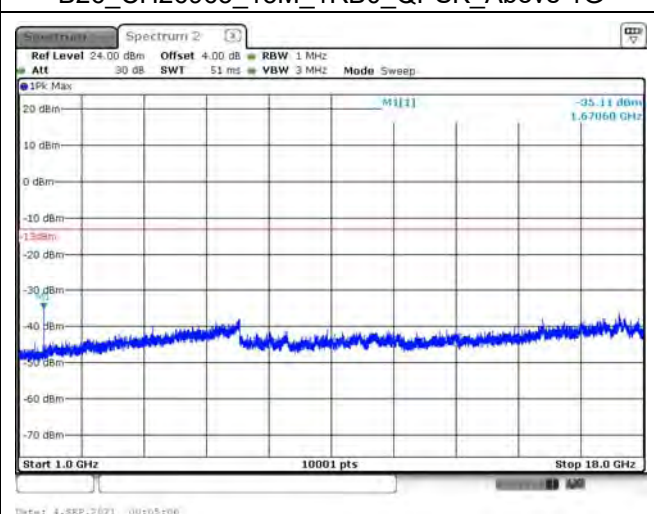
B26_CH26915_15M_1RB0_QPSK_Above 1G

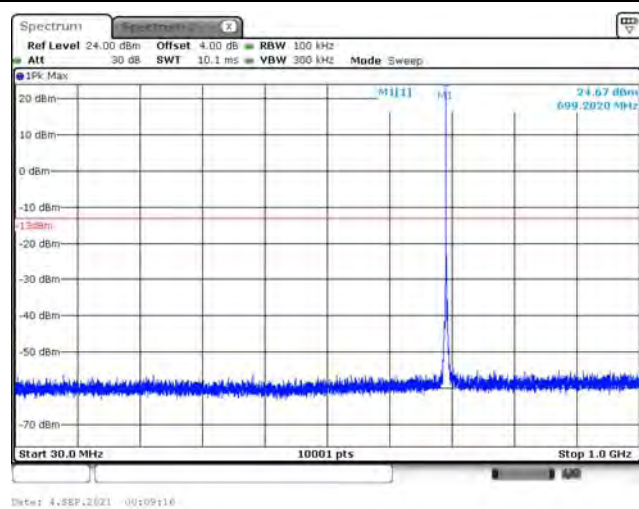
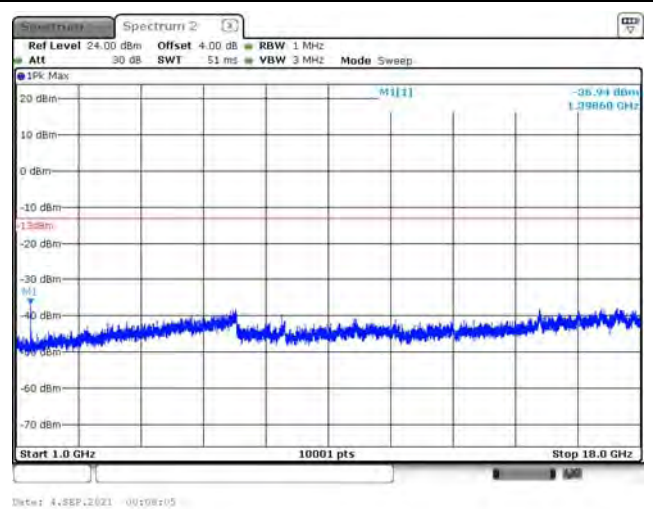
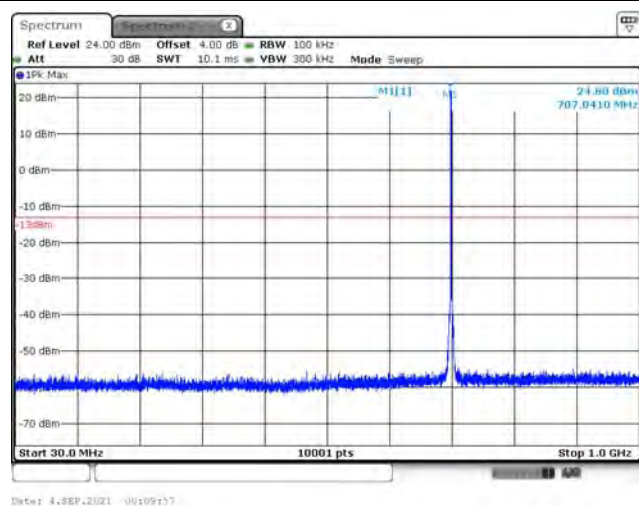
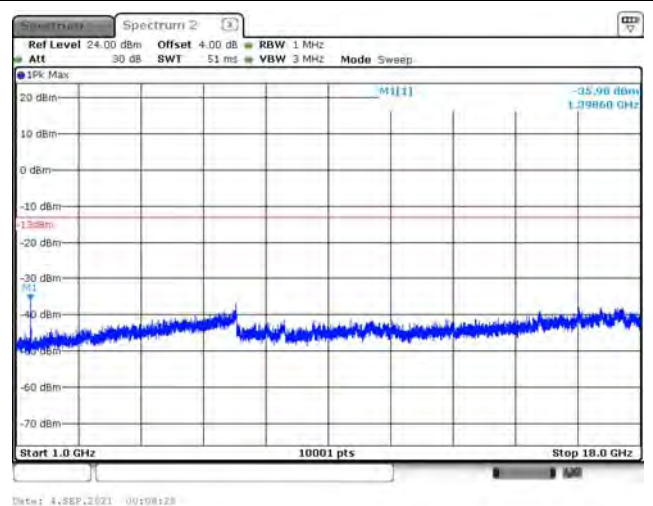
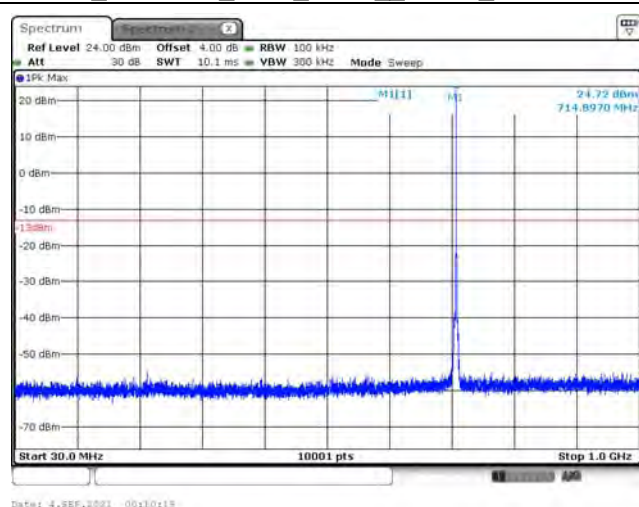
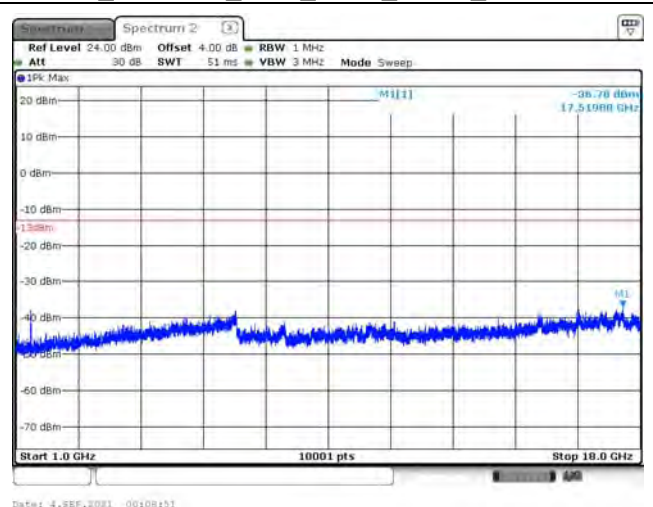


B26_CH26965_15M_1RB0_QPSK_Below 1G

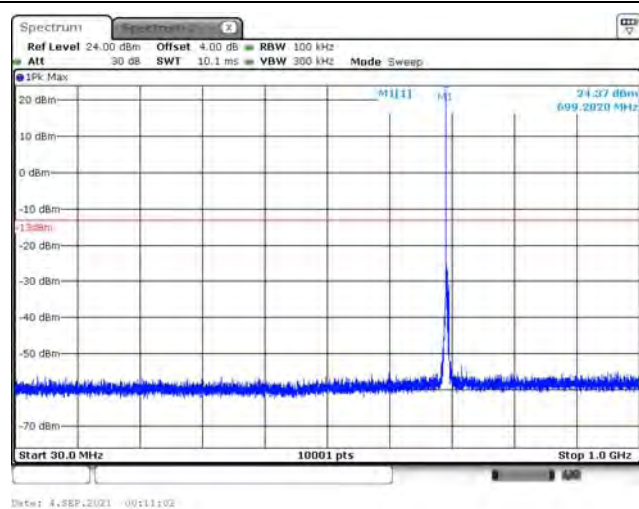


B26_CH26965_15M_1RB0_QPSK_Above 1G



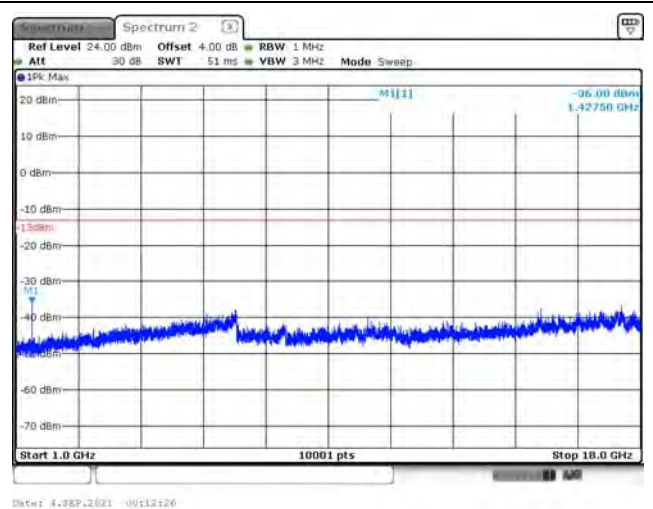
Mode 4: LTE Band 12**B12_CH23017_1.4M_1RB0_QPSK_Below 1G****B12_CH23017_1.4M_1RB0_QPSK_Above 1G****B12_CH23095_1.4M_1RB0_QPSK_Below 1G****B12_CH23095_1.4M_1RB0_QPSK_Above 1G****B12_CH23173_1.4M_1RB0_QPSK_Below 1G****B12_CH23173_1.4M_1RB0_QPSK_Above 1G**

B12_CH23025_3M_1RB0_QPSK_Below 1G



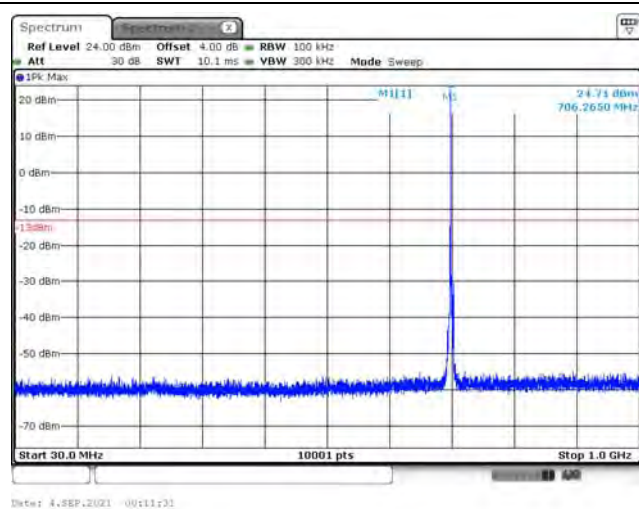
Date: 4.SEP.2021 00:11:02

B12_CH23025_3M_1RB0_QPSK_Above 1G



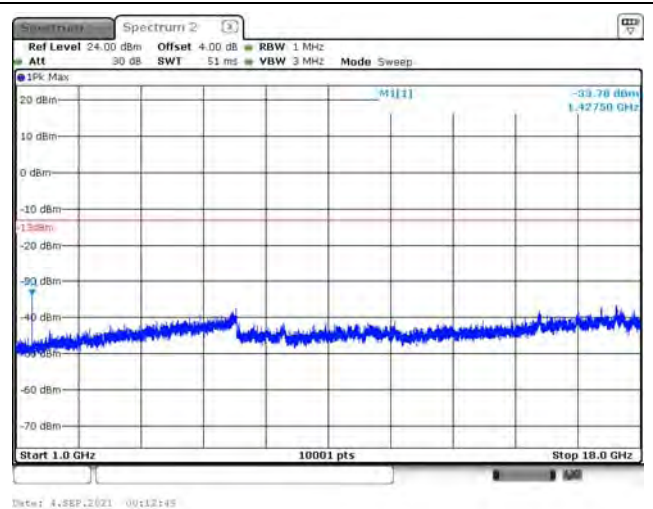
Date: 4.SEP.2021 00:12:26

B12_CH23095_3M_1RB0_QPSK_Below 1G



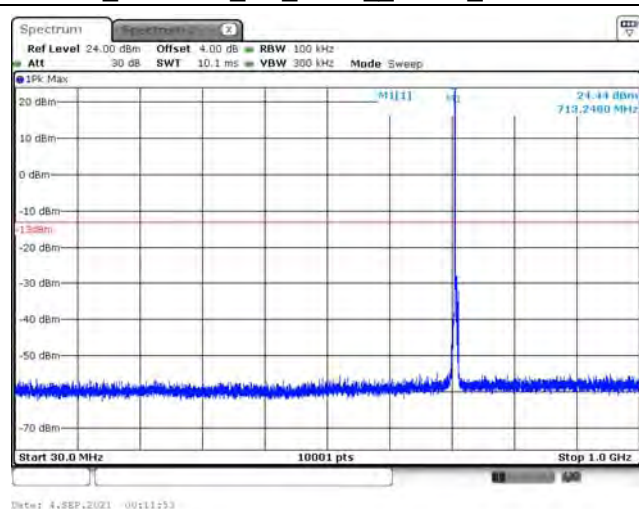
Date: 4.SEP.2021 00:11:31

B12_CH23095_3M_1RB0_QPSK_Above 1G



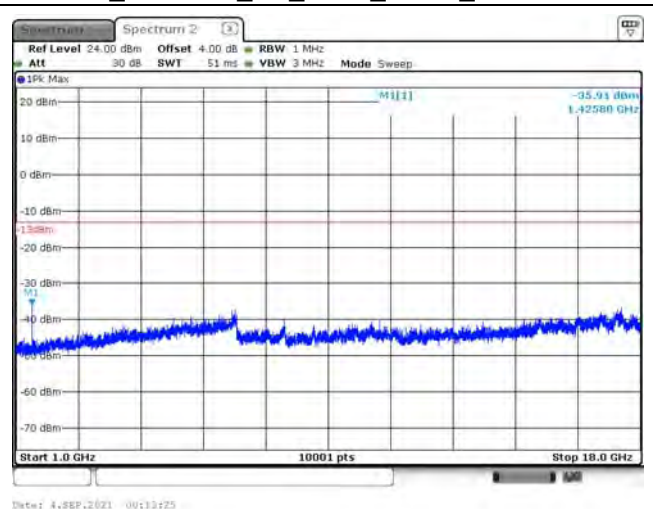
Date: 4.SEP.2021 00:12:45

B12_CH23165_3M_1RB0_QPSK_Below 1G



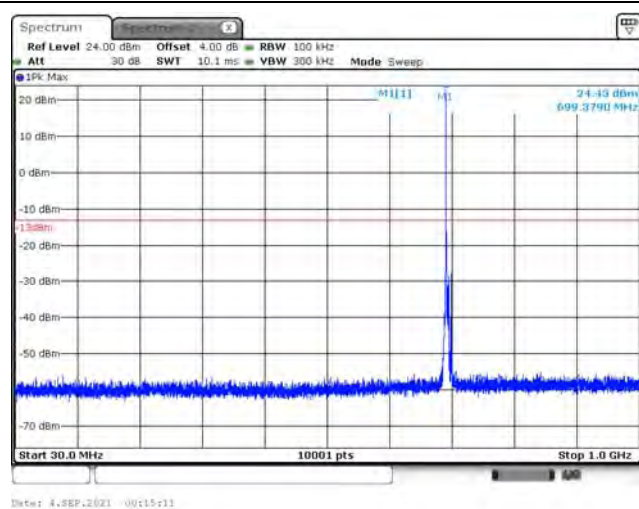
Date: 4.SEP.2021 00:11:53

B12_CH23165_3M_1RB0_QPSK_Above 1G



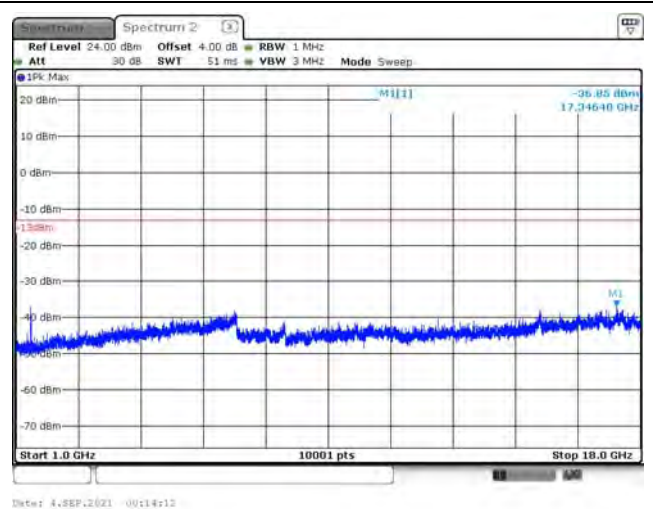
Date: 4.SEP.2021 00:12:25

B12_CH23035_5M_1RB0_QPSK_Below 1G



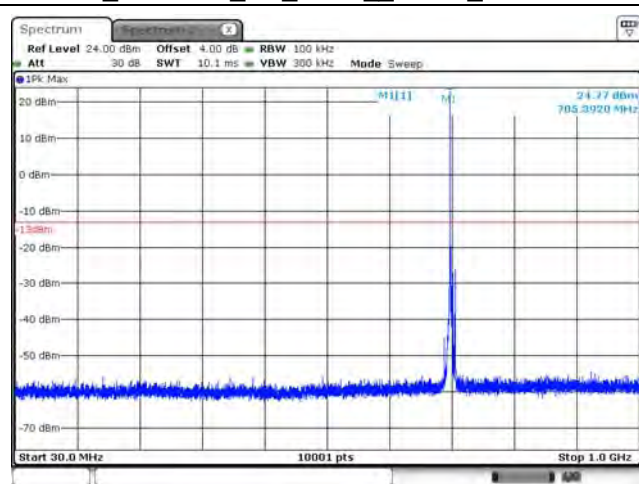
Date: 4.SEP.2021 00:15:11

B12_CH23035_5M_1RB0_QPSK_Above 1G



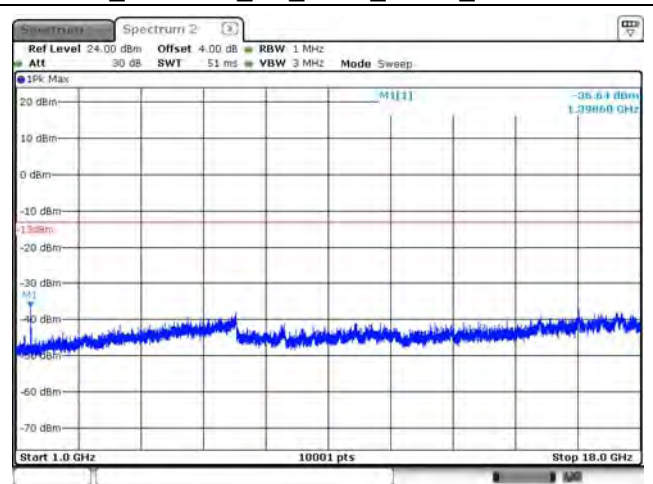
Date: 4.SEP.2021 00:14:12

B12_CH23095_5M_1RB0_QPSK_Below 1G



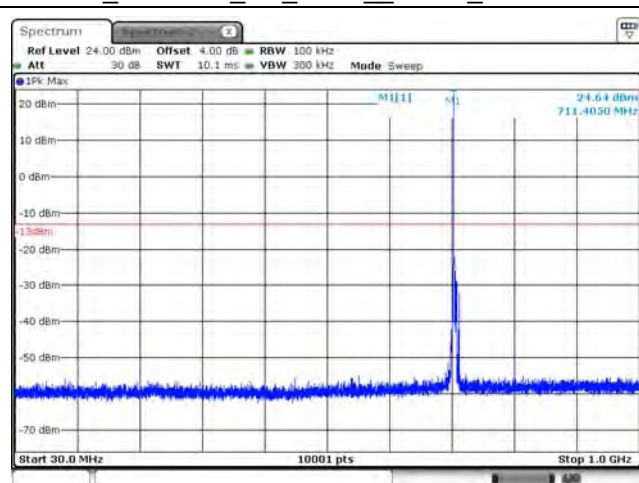
Date: 4.SEP.2021 00:15:33

B12_CH23095_5M_1RB0_QPSK_Above 1G



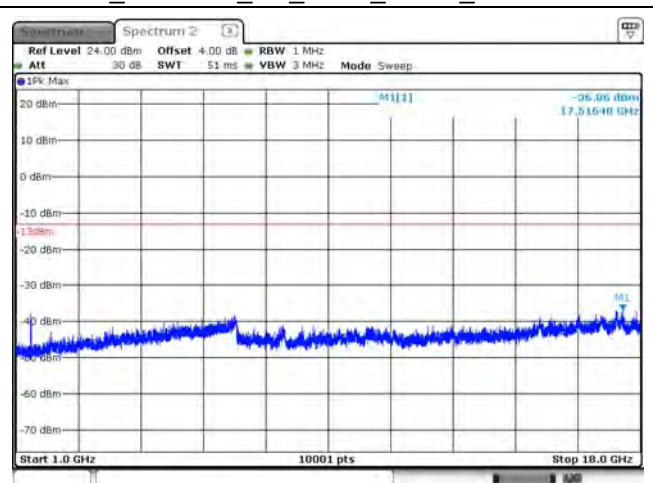
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B12_CH23155_5M_1RB0_QPSK_Below 1G



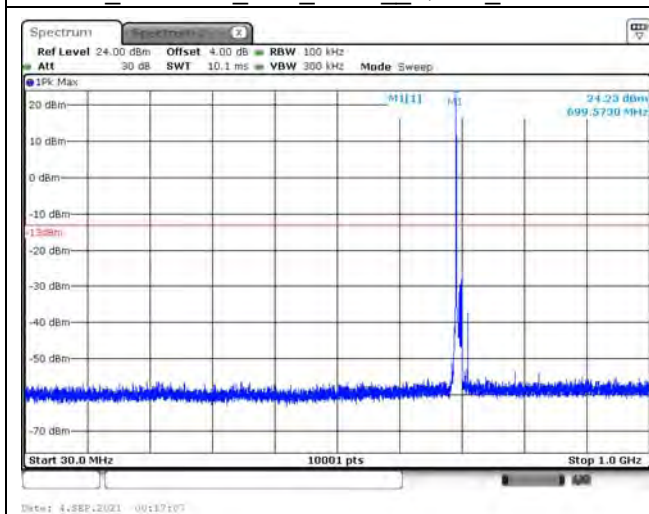
Date: 4.SEP.2021 00:16:07

B12_CH23155_5M_1RB0_QPSK_Above 1G

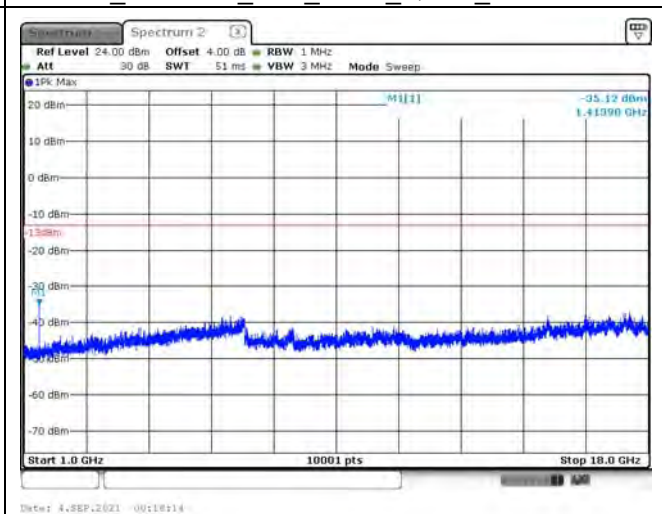


Date: 4.SEP.2021 00:14:51

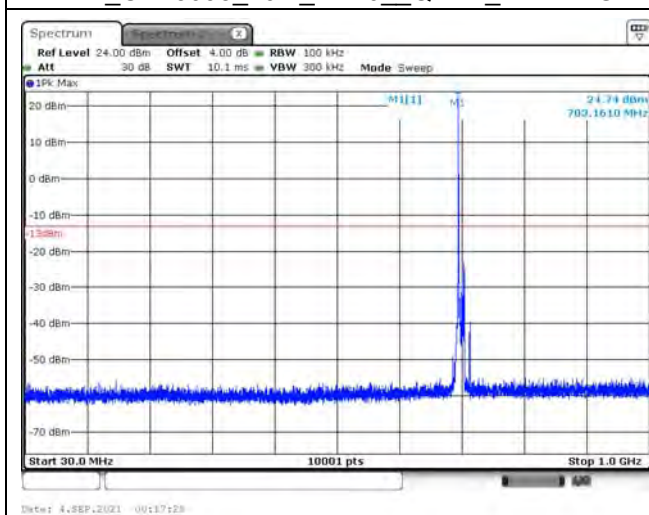
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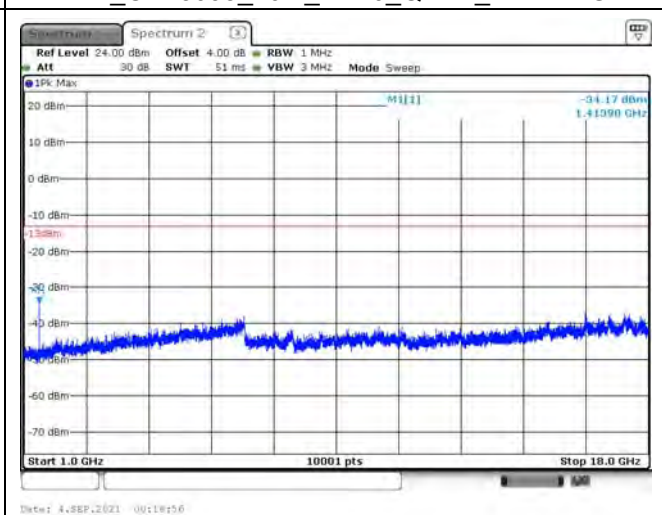
B12_CH23060_10M_1RB0_QPSK_Above 1G



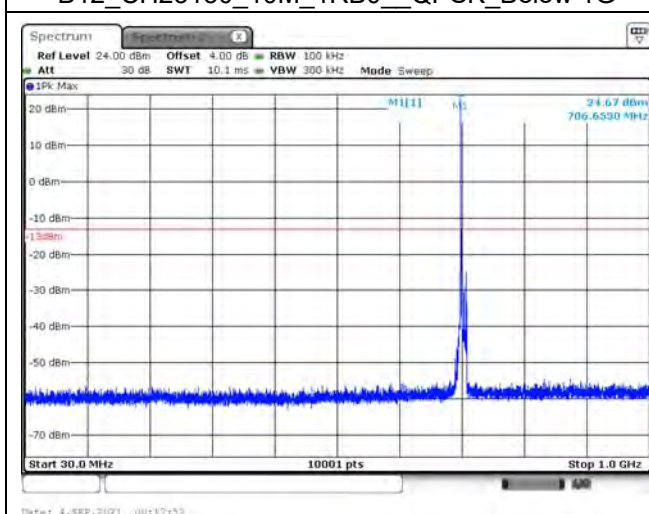
B12_CH23095_10M_1RB0_QPSK_Below 1G



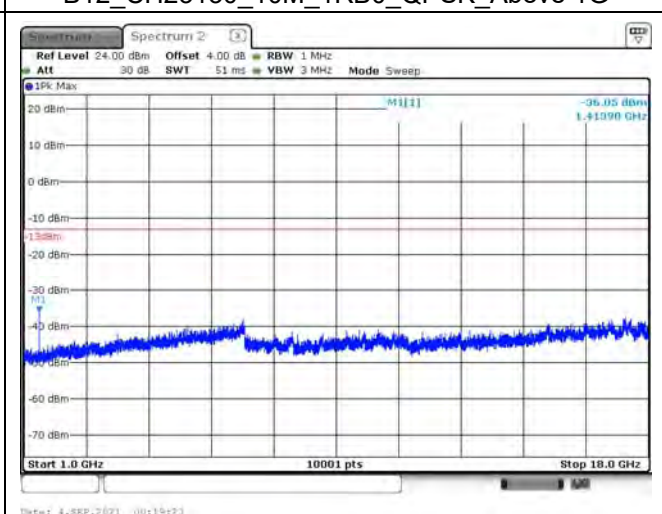
B12_CH23095_10M_1RB0_QPSK_Above 1G

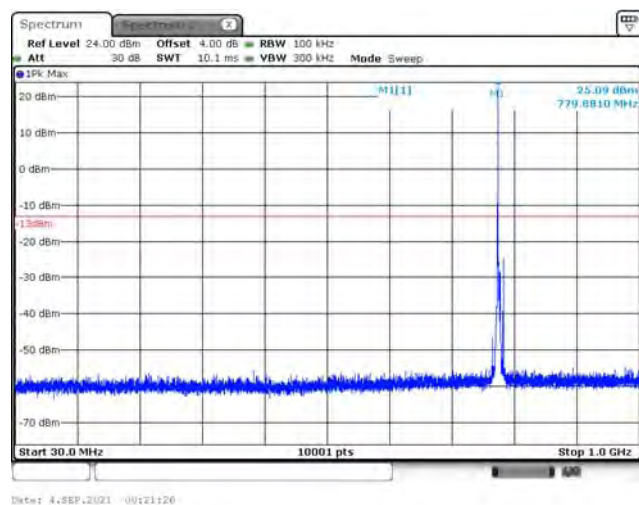
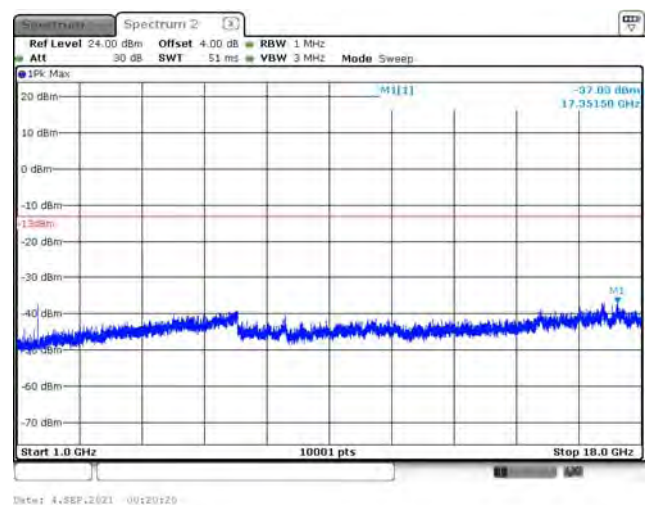
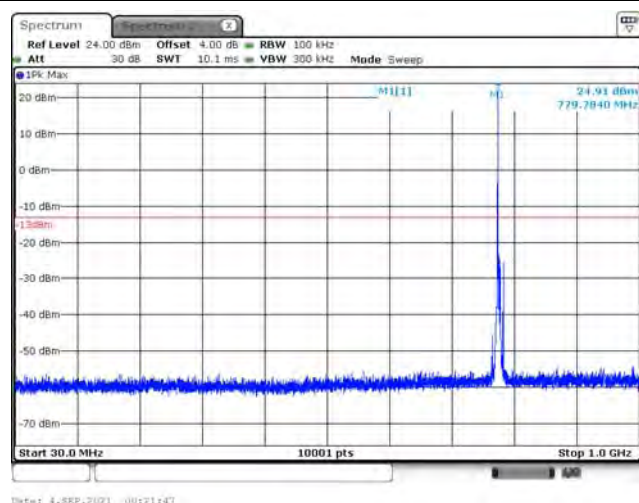
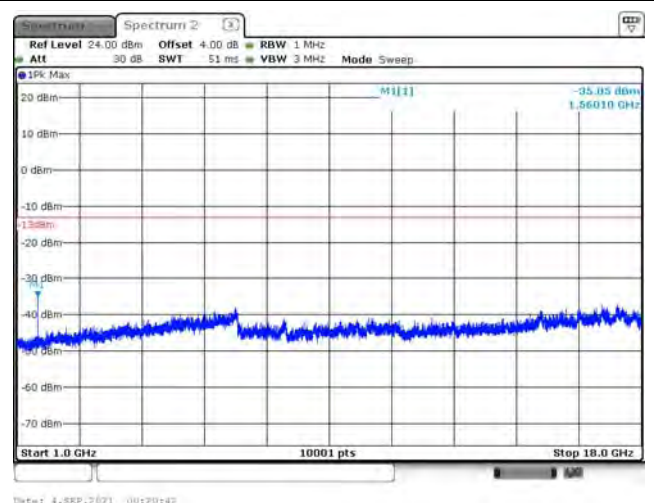
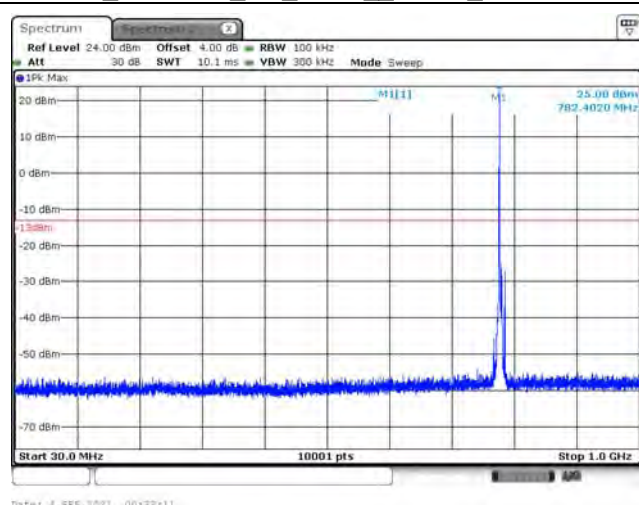
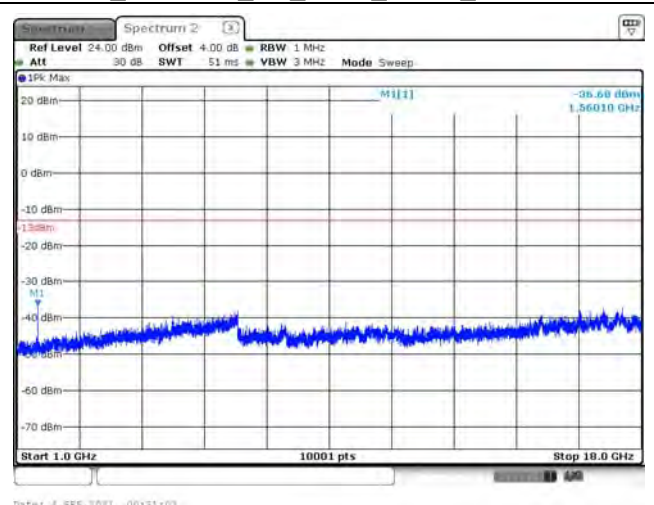


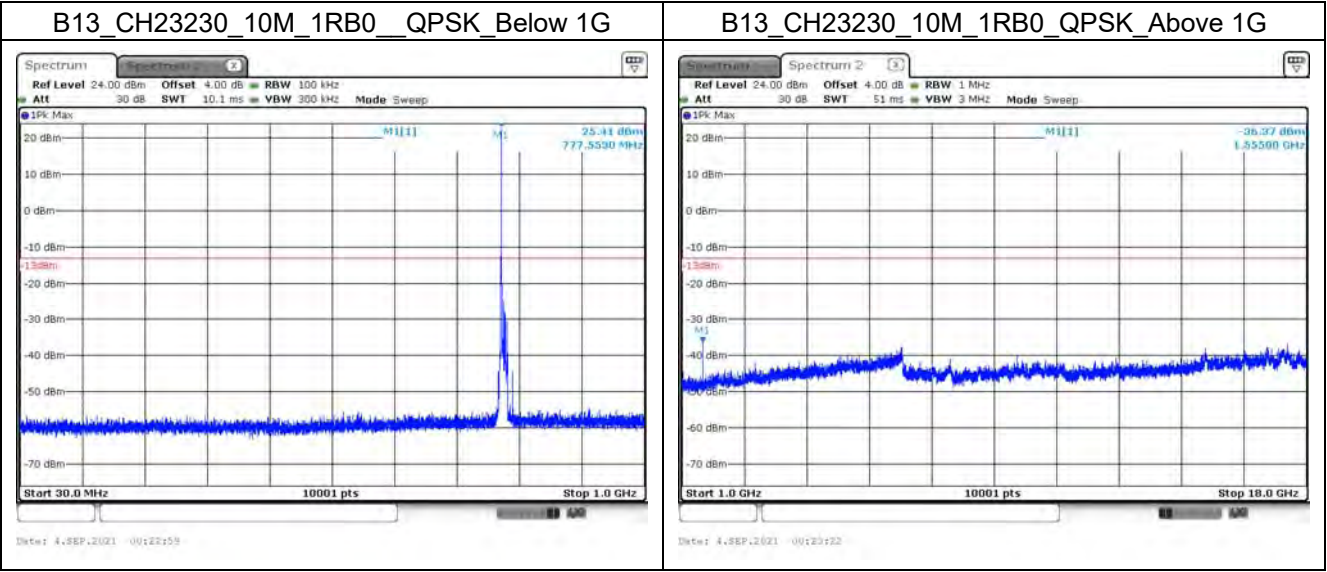
B12_CH23130_10M_1RB0_QPSK_Below 1G

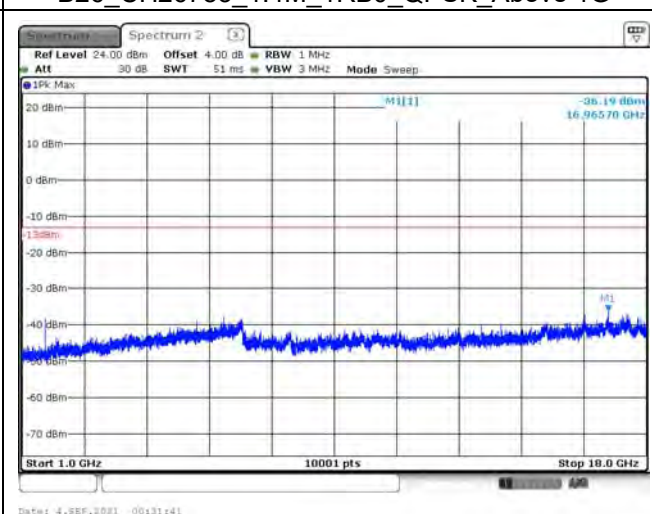


B12_CH23130_10M_1RB0_QPSK_Above 1G

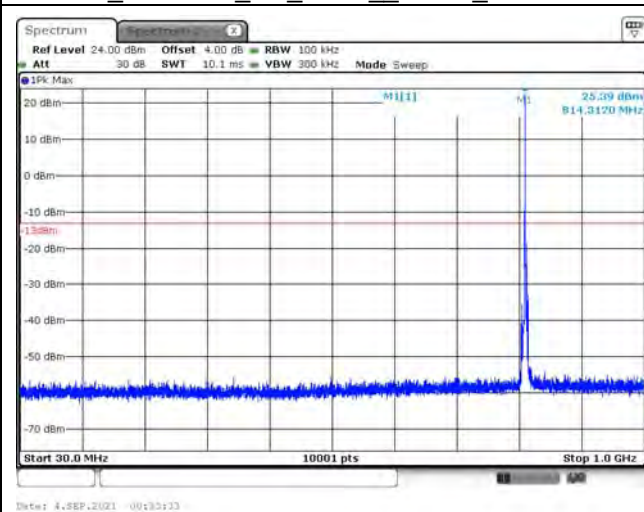


Mode 5: LTE Band 13**B13_CH23205_5M_1RB0_QPSK_Below 1G****B13_CH23205_5M_1RB0_QPSK_Above 1G****B13_CH23230_5M_1RB0_QPSK_Below 1G****B13_CH23230_5M_1RB0_QPSK_Above 1G****B13_CH23255_5M_1RB0_QPSK_Below 1G****B13_CH23255_5M_1RB0_QPSK_Above 1G**

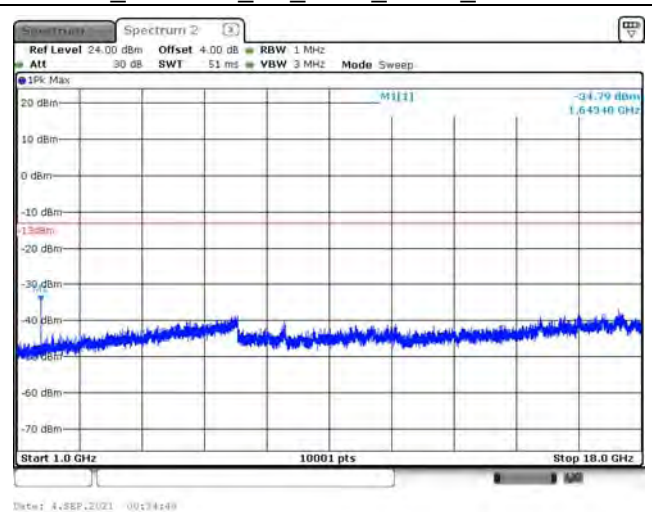




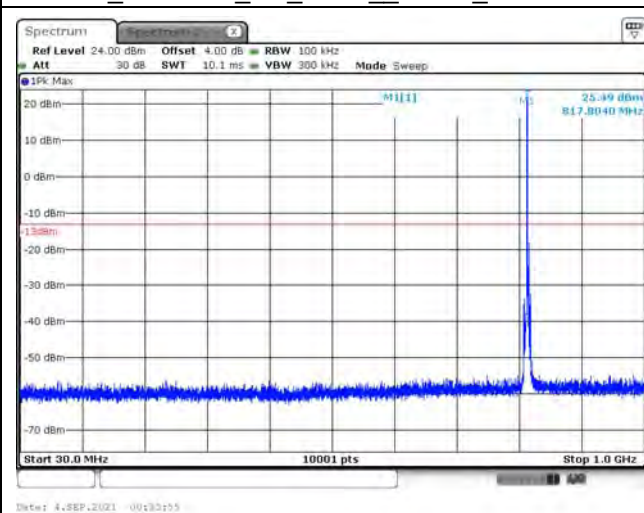
B26_CH26705_3M_1RB0_QPSK_Below 1G



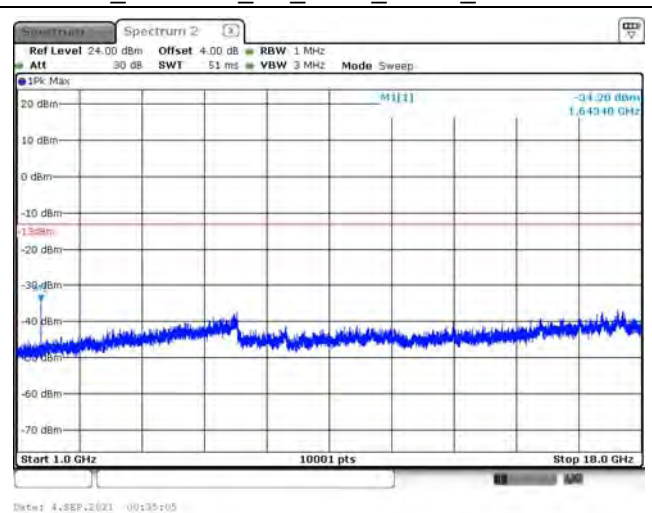
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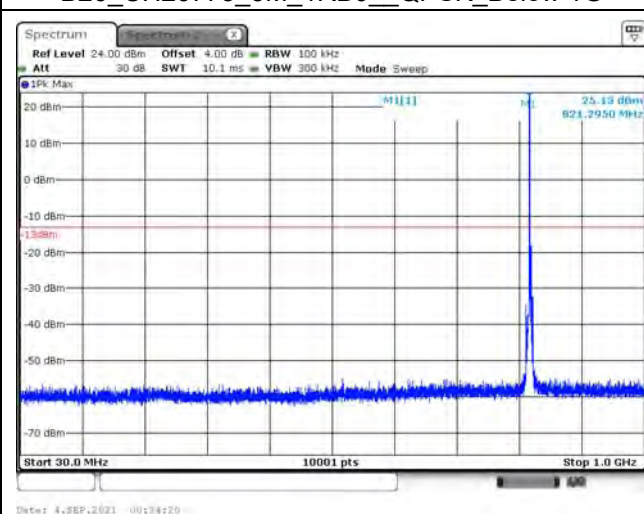
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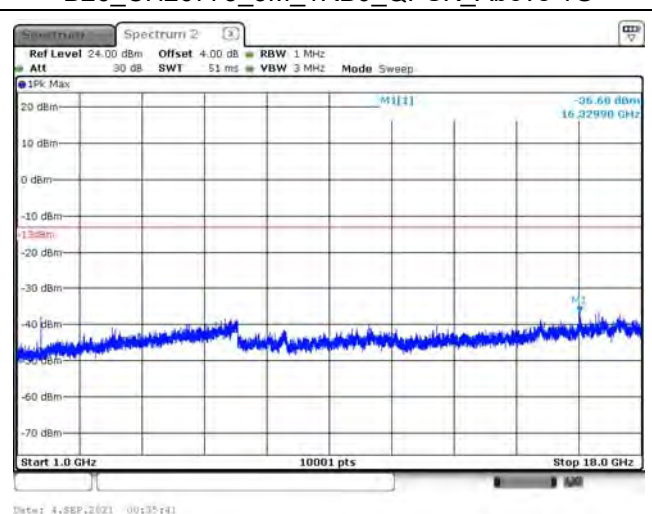
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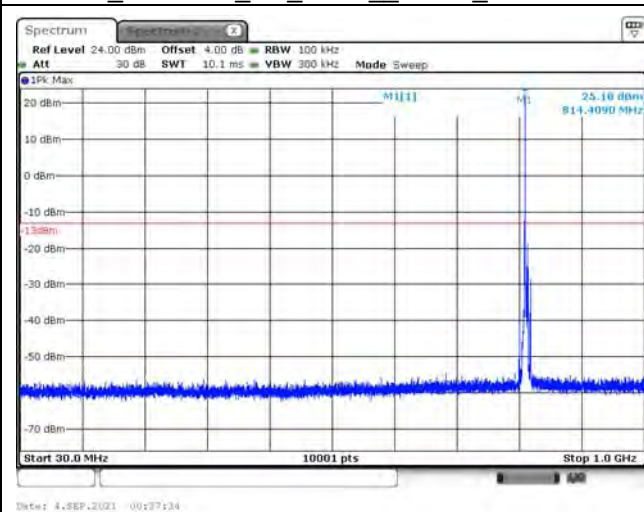
B26_CH26775_3M_1RB0_QPSK_Below 1G



B26_CH26775_3M_1RB0_QPSK_Above 1G

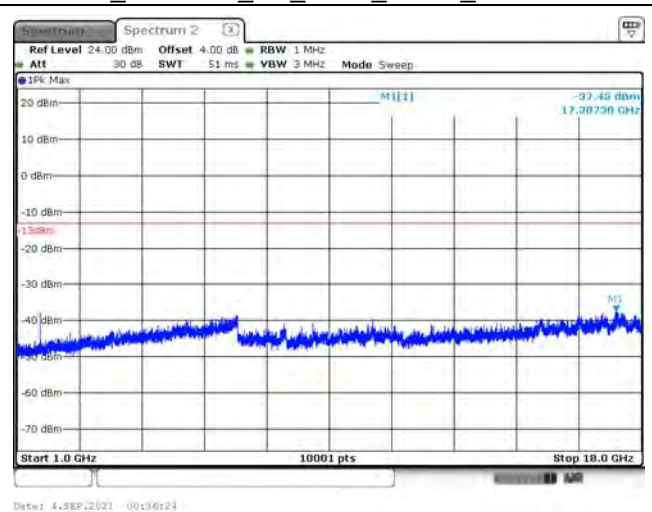


B26_CH26715_5M_1RB0_QPSK_Below 1G



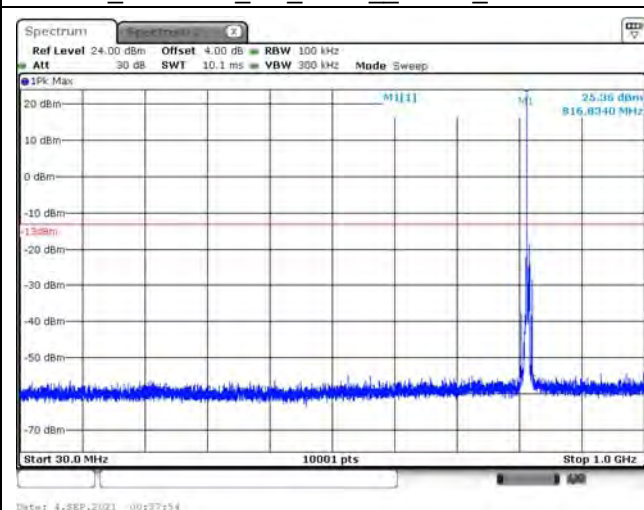
Date: 4.SEP.2021 00:37:34

B26_CH26715_5M_1RB0_QPSK_Above 1G



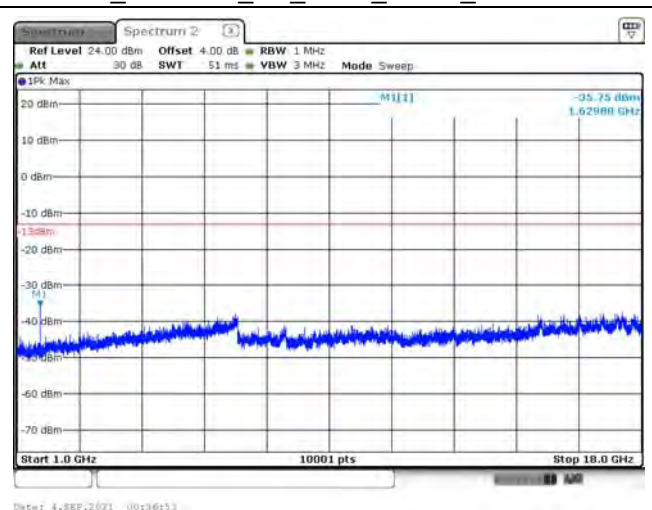
Date: 4.SEP.2021 00:36:24

B26_CH26740_5M_1RB0_QPSK_Below 1G



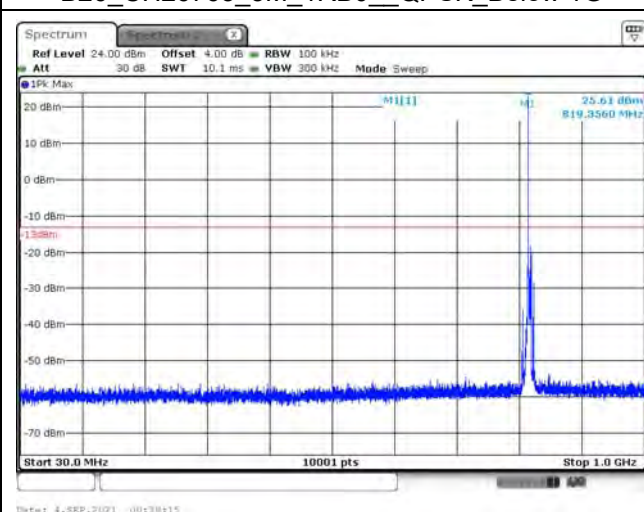
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B26_CH26740_5M_1RB0_QPSK_Above 1G



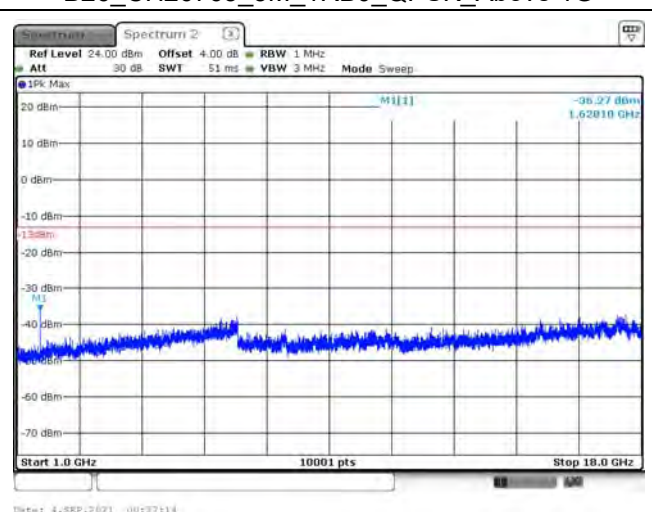
Date: 4.SEP.2021 00:36:53

B26_CH26765_5M_1RB0_QPSK_Below 1G

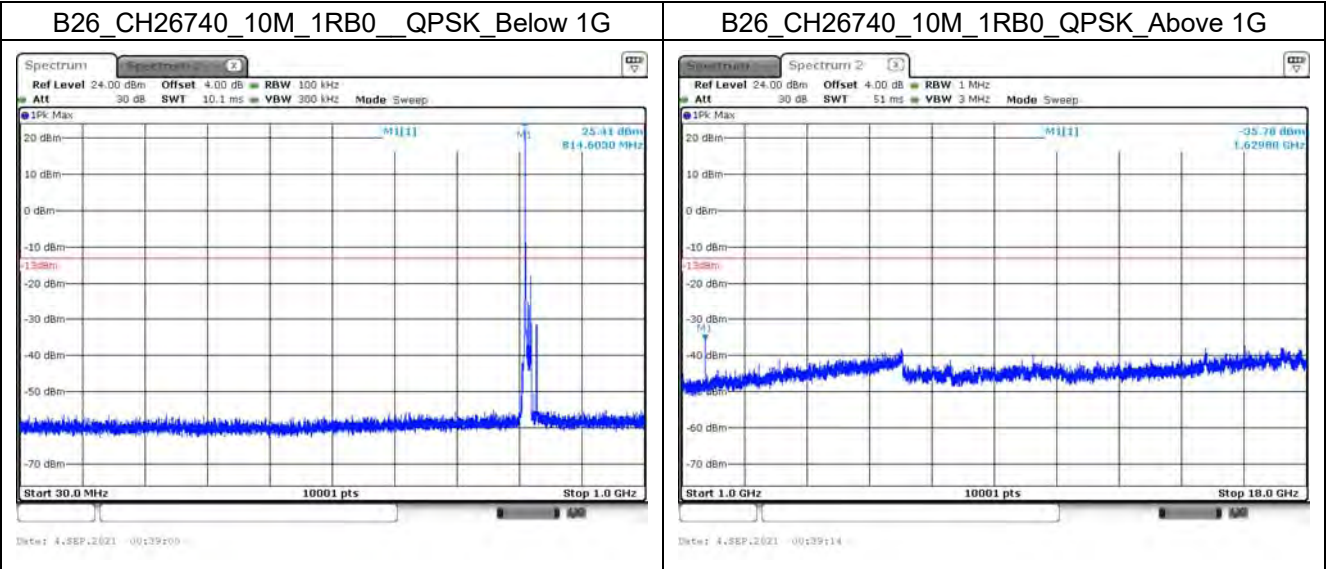


Date: 4.SEP.2021 00:38:15

B26_CH26765_5M_1RB0_QPSK_Above 1G



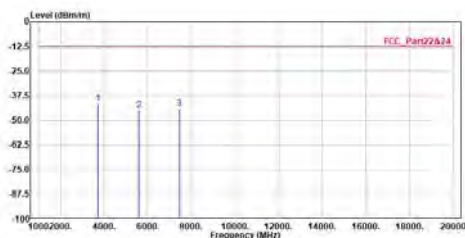
Date: 4.SEP.2021 00:37:14



6.5. Test Result of Radiated Spurious Emission

Mode 1: LTE Band 2/25

Site :CB2-H
Condition :3m Horizontal
Mode :LTE_B25_20M_Ch26148_QPSK_1800
Test By :Cyril

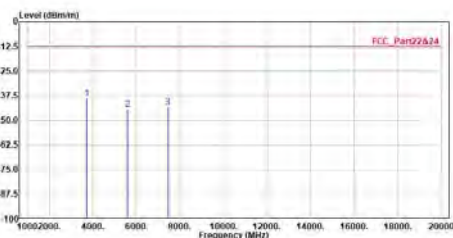


No.	Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Read Level (dBm)	Factor (dB)	Remark
1	3720.000	-41.40	-13.00	-28.40	-35.69	-5.71	Peak
2	5580.000	-44.83	-13.00	-31.83	-45.50	0.67	Peak
3	7440.000	-44.20	-13.00	-31.20	-51.56	7.36	Peak

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3720.000	-41.40	-13.00	-28.40	-35.69	-5.71	Peak
2	5580.000	-44.83	-13.00	-31.83	-45.50	0.67	Peak
3	7440.000	-44.20	-13.00	-31.20	-51.56	7.36	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV) to EIRP (dBm)
= 107 + 20log(3) - 104.8 - 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :CB2-H
Condition :3m Vertical
Mode :LTE_B25_20M_Ch26148_QPSK_1800
Test By :Cyril

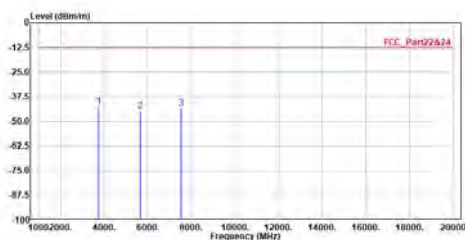


No.	Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Read Level (dBm)	Factor (dB)	Remark
1	3720.000	-38.88	-13.00	-25.88	-33.17	-5.71	Peak
2	5580.000	-44.59	-13.00	-31.59	-45.26	0.67	Peak
3	7440.000	-43.45	-13.00	-30.45	-50.81	7.36	Peak

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3720.000	-38.88	-13.00	-25.88	-33.17	-5.71	Peak
2	5580.000	-44.59	-13.00	-31.59	-45.26	0.67	Peak
3	7440.000	-43.45	-13.00	-30.45	-50.81	7.36	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV) to EIRP (dBm)
= 107 + 20log(3) - 104.8 - 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :CB2-H
Condition :3m Horizontal
Mode :LTE_B25_20M_Ch26365_QPSK_1800
Test By :Cyril

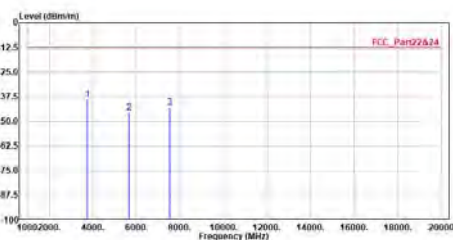


No.	Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Read Level (dBm)	Factor (dB)	Remark
1	3765.000	-42.50	-13.00	-29.50	-36.96	-5.54	Peak
2	5647.500	-44.00	-13.00	-31.00	-45.82	1.02	Peak
3	7530.000	-43.33	-13.00	-30.33	-50.73	7.40	Peak

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3765.000	-42.50	-13.00	-29.50	-36.96	-5.54	Peak
2	5647.500	-44.00	-13.00	-31.00	-45.82	1.02	Peak
3	7530.000	-43.33	-13.00	-30.33	-50.73	7.40	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV) to EIRP (dBm)
= 107 + 20log(3) - 104.8 - 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :CB2-H
Condition :3m Vertical
Mode :LTE_B25_20M_Ch26365_QPSK_1800
Test By :Cyril

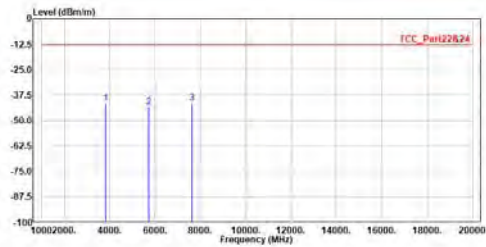


No.	Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Read Level (dBm)	Factor (dB)	Remark
1	3765.000	-39.05	-13.00	-26.05	-33.51	-5.54	Peak
2	5647.500	-45.74	-13.00	-32.74	-46.76	1.02	Peak
3	7530.000	-42.98	-13.00	-29.98	-50.38	7.40	Peak

No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3765.000	-39.05	-13.00	-26.05	-33.51	-5.54	Peak
2	5647.500	-45.74	-13.00	-32.74	-46.76	1.02	Peak
3	7530.000	-42.98	-13.00	-29.98	-50.38	7.40	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV) to EIRP (dBm)
= 107 + 20log(3) - 104.8 - 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :CB2-H
Condition :3m Horizontal
Mode :LTE_B25_20M_Ch26590_QPSK_1R80
Test By :Cyril

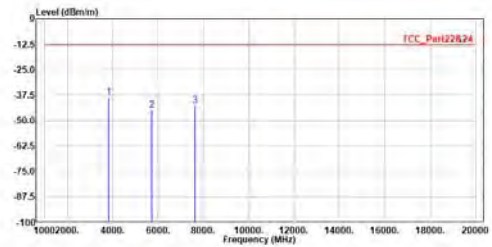


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3810.000	-41.58	-13.00	-28.58	-36.21	-5.37	Peak
2	5715.000	-43.51	-13.00	-30.51	-44.67	1.36	Peak
3	7620.000	-41.47	-13.00	-28.47	-48.70	7.23	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :CB2-H
Condition :3m Vertical
Mode :LTE_B25_20M_Ch26590_QPSK_1R80
Test By :Cyril



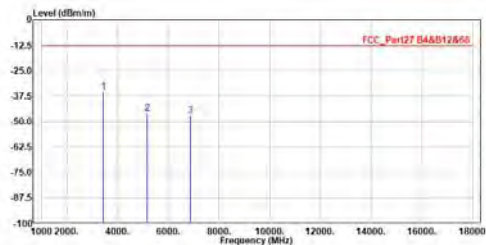
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3810.000	-38.45	-13.00	-25.45	-35.08	-5.37	Peak
2	5715.000	-44.95	-13.00	-31.95	-46.31	1.36	Peak
3	7620.000	-42.70	-13.00	-29.70	-49.93	7.23	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Mode 2: LTE Band 4

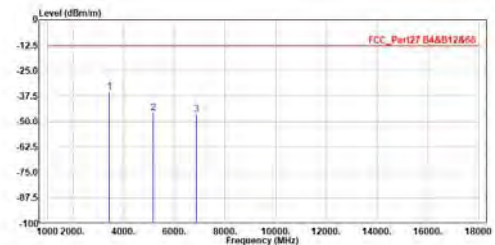
Site :CB2-H
Condition :3m Horizontal
Mode :LTE_B4_20M_Ch20050_QPSK_1RB0
Test By :Cyril



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3440.000	-35.34	-13.00	-22.34	-28.70	-6.64	Peak
2	5160.000	-46.09	-13.00	-33.09	-45.31	-0.78	Peak
3	6880.000	-47.17	-13.00	-34.17	-53.36	6.19	Peak

Note:
1. Level = Read level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVn) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

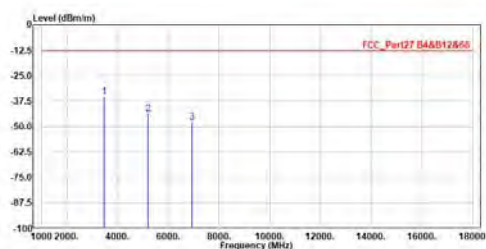
Site :CB2-H
Condition :3m Vertical
Mode :LTE_B4_20M_Ch20050_QPSK_1RB0
Test By :Cyril



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3440.000	-35.59	-13.00	-22.59	-28.95	-6.64	Peak
2	5160.000	-45.77	-13.00	-32.77	-44.99	-0.78	Peak
3	6880.000	-46.40	-13.00	-33.40	-52.59	6.19	Peak

Note:
1. Level = Read level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVn) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

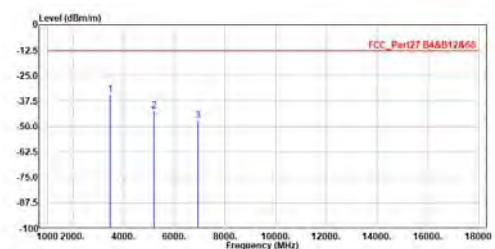
Site :CB2-H
Condition :3m Horizontal
Mode :LTE_B4_20M_Ch20175_QPSK_1RB0
Test By :Cyril



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3465.000	-35.42	-13.00	-22.42	-28.82	-6.60	Peak
2	5197.500	-43.85	-13.00	-30.85	-43.18	-0.67	Peak
3	6930.000	-47.76	-13.00	-34.76	-54.20	6.44	Peak

Note:
1. Level = Read level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVn) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

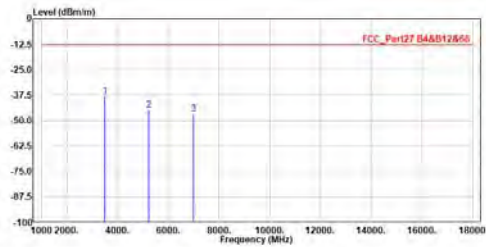
Site :CB2-H
Condition :3m Vertical
Mode :LTE_B4_20M_Ch20175_QPSK_1RB0
Test By :Cyril



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3465.000	-34.34	-13.00	-21.34	-27.74	-6.60	Peak
2	5197.500	-42.40	-13.00	-29.40	-41.73	-0.67	Peak
3	6930.000	-47.10	-13.00	-34.10	-53.54	6.44	Peak

Note:
1. Level = Read level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVn) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :CB2-H
Condition :3m Horizontal
Mode :LTE_B4_20M_Ch20300_QPSK_1800
Test By :Cyril

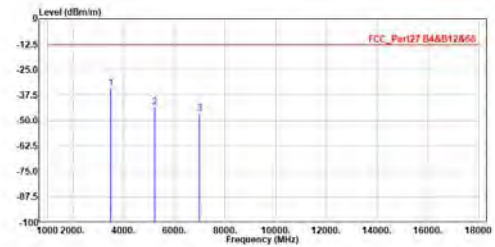


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	3490.000	-37.98	-13.00	-24.98	-31.40	-6.58	Peak
2	5235.000	-45.04	-13.00	-32.04	-44.48	-0.56	Peak
3	6980.000	-46.86	-13.00	-33.86	-53.56	6.70	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :CB2-H
Condition :3m Vertical
Mode :LTE_B4_20M_Ch20300_QPSK_1800
Test By :Cyril



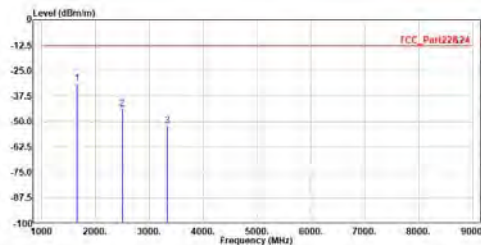
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	3490.000	-33.79	-13.00	-20.79	-27.21	-6.58	Peak
2	5235.000	-43.50	-13.00	-30.50	-42.94	-0.56	Peak
3	6980.000	-46.29	-13.00	-33.29	-52.99	6.70	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Mode 3: LTE Band 5/26 (Part 22)

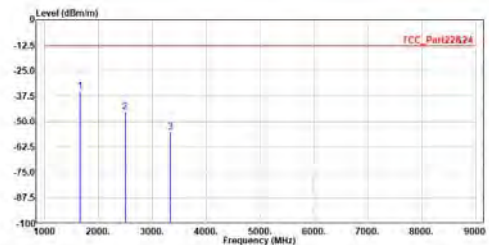
Site :CB2-H
Condition :3m Horizontal
Mode :LTE_B26_15M_Ch26B65_QPSK_1R80
Test By :Getaz



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1665.000	-31.25	-13.00	-18.25	-18.50	-12.75	Peak
2	2494.500	-43.71	-13.00	-30.71	-34.38	-9.33	Peak
3	3326.000	-51.99	-13.00	-38.99	-45.20	-6.79	Peak

Note:
1. Level = Read level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

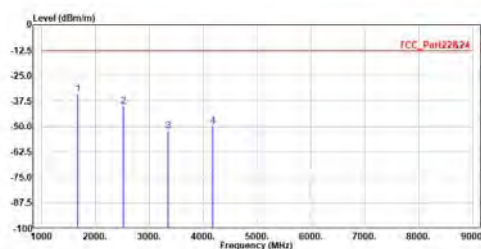
Site :CB2-H
Condition :3m Vertical
Mode :LTE_B26_15M_Ch26B65_QPSK_1R80
Test By :Getaz



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1665.000	-35.18	-13.00	-22.18	-22.43	-12.75	Peak
2	2494.500	-45.26	-13.00	-32.26	-35.93	-9.33	Peak
3	3326.000	-55.00	-13.00	-42.00	-48.21	-6.79	Peak

Note:
1. Level = Read level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

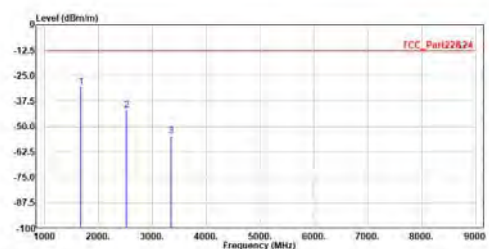
Site :CB2-H
Condition :3m Horizontal
Mode :LTE_B26_15M_Ch26915_QPSK_1R80
Test By :Getaz



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1673.000	-34.01	-13.00	-21.01	-21.31	-12.70	Peak
2	2509.500	-40.07	-13.00	-27.07	-30.81	-9.26	Peak
3	3346.000	-52.00	-13.00	-39.00	-45.24	-6.76	Peak
4	4182.900	-49.99	-13.00	-36.99	-45.87	-4.12	Peak

Note:
1. Level = Read level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

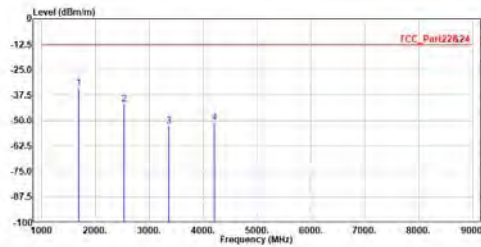
Site :CB2-H
Condition :3m Vertical
Mode :LTE_B26_15M_Ch26915_QPSK_1R80
Test By :Getaz



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1673.000	-30.68	-13.00	-17.68	-17.98	-12.70	Peak
2	2509.500	-42.00	-13.00	-29.00	-32.74	-9.26	Peak
3	3346.000	-54.55	-13.00	-41.55	-47.79	-6.76	Peak

Note:
1. Level = Read level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :CB2-H
Condition :3m Horizontal
Mode :LTE_B26_15M_Ch26965_QPSK_1R80
Test By :Getaz

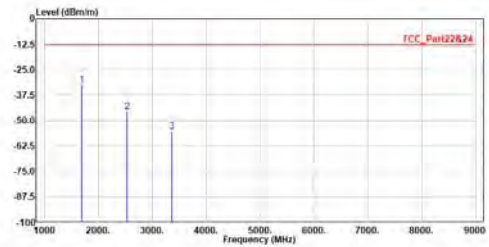


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1683.000	-34.12	-13.00	-21.12	-21.45	-12.67	Peak
2	2524.500	-41.85	-13.00	-28.85	-32.66	-9.19	Peak
3	3366.000	-52.96	-13.00	-39.96	-46.23	-6.73	Peak
4	4287.500	-51.10	-13.00	-38.10	-47.06	-4.04	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :CB2-H
Condition :3m Vertical
Mode :LTE_B26_15M_Ch26965_QPSK_1R80
Test By :Getaz



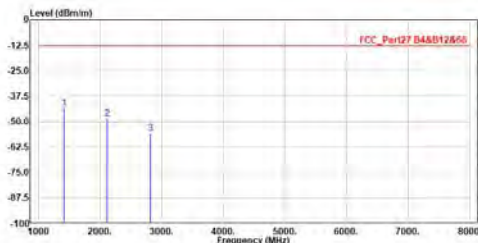
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1683.000	-32.28	-13.00	-19.28	-19.61	-12.67	Peak
2	2524.500	-45.80	-13.00	-32.80	-36.61	-9.19	Peak
3	3366.000	-55.30	-13.00	-42.30	-48.57	-6.73	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Mode 4: LTE Band 12

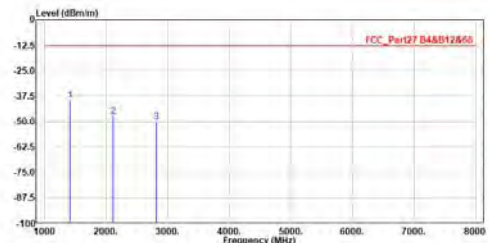
Site :CB2-H
Condition :3m Horizontal
Mode :LTE_B12_10M_Ch21060_QPSK_1R00
Test By :Getaz



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1408.000	-43.41	-13.00	-30.41	-29.81	-13.60	Peak
2	2112.000	-48.59	-13.00	-35.59	-37.53	-11.06	Peak
3	2816.000	-55.83	-13.00	-42.83	-47.85	-7.98	Peak

Note:
1. Level = Read level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

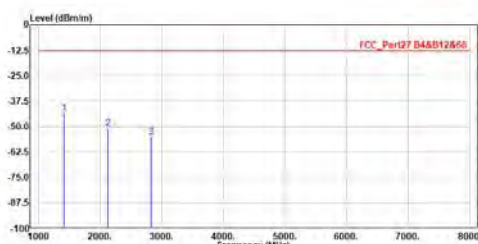
Site :CB2-H
Condition :3m Vertical
Mode :LTE_B12_10M_Ch21060_QPSK_1R00
Test By :Getaz



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1408.000	-39.54	-13.00	-26.54	-25.94	-13.60	Peak
2	2112.000	-47.51	-13.00	-34.51	-36.45	-11.06	Peak
3	2816.000	-50.29	-13.00	-37.29	-42.31	-7.98	Peak

Note:
1. Level = Read level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

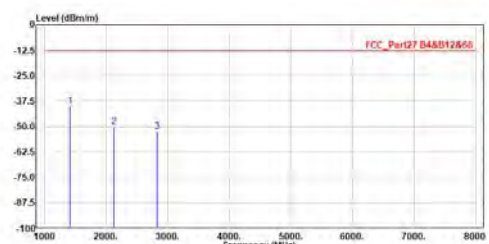
Site :CB2-H
Condition :3m Horizontal
Mode :LTE_B12_10M_Ch21095_QPSK_1R00
Test By :Getaz



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1415.000	-43.40	-13.00	-30.40	-29.83	-13.57	Peak
2	2122.500	-50.95	-13.00	-37.95	-39.93	-11.02	Peak
3	2830.000	-54.97	-13.00	-41.97	-47.05	-7.92	Peak

Note:
1. Level = Read level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

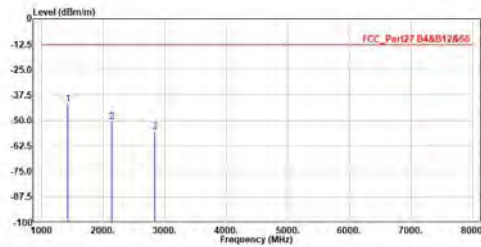
Site :CB2-H
Condition :3m Vertical
Mode :LTE_B12_10M_Ch21095_QPSK_1R00
Test By :Getaz



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1415.000	-40.04	-13.00	-27.04	-26.47	-13.57	Peak
2	2122.500	-50.09	-13.00	-37.09	-39.07	-11.02	Peak
3	2830.000	-52.39	-13.00	-39.39	-44.47	-7.92	Peak

Note:
1. Level = Read level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :CB2-H
Condition :3m Horizontal
Mode :LTE_B12_10M_Ch21330_QPSK_1R00
Test By :Getaz

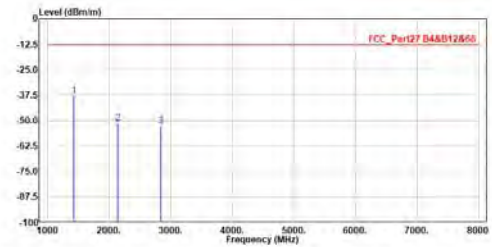


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1422.000	-41.95	-13.00	-28.95	-28.40	-13.55	Peak
2	2133.000	-50.61	-13.00	-37.61	-39.65	-10.96	Peak
3	2844.000	-55.55	-13.00	-42.55	-47.70	-7.85	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :CB2-H
Condition :3m Vertical
Mode :LTE_B12_10M_Ch21330_QPSK_1R00
Test By :Getaz



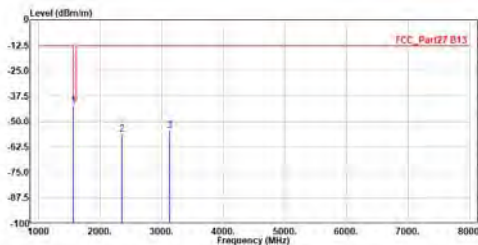
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1422.000	-37.59	-13.00	-24.59	-24.04	-13.55	Peak
2	2133.000	-51.30	-13.00	-38.30	-40.34	-10.96	Peak
3	2844.000	-52.75	-13.00	-39.75	-44.90	-7.85	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Mode 5: LTE Band 13

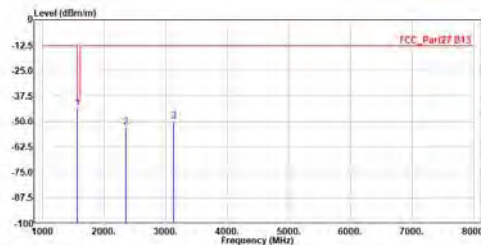
Site :CB2-H
Condition :3m Horizontal
Mode :LTE_B13_10M_Ch21230_QPSK_1RB0
Test By :Getaz



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1564.000	-42.45	-40.00	-2.45	-29.36	-13.09	Peak
2	2346.000	-56.21	-13.00	-43.21	-46.21	-10.00	Peak
3	3128.000	-54.39	-13.00	-41.39	-47.35	-7.04	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 10Hz was not included since the emission levels are very low against the limit.

Site :CB2-H
Condition :3m Vertical
Mode :LTE_B13_10M_Ch21230_QPSK_1RB0
Test By :Getaz

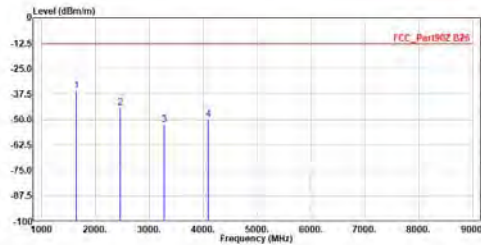


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1564.000	-43.33	-40.00	-3.33	-30.24	-13.09	Peak
2	2346.000	-52.91	-13.00	-39.91	-42.91	-10.00	Peak
3	3128.000	-49.86	-13.00	-36.86	-42.82	-7.04	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 10Hz was not included since the emission levels are very low against the limit.

Mode 6: LTE Band 26 (Part 90)

Site :CB2-H
Condition :3m Horizontal
Mode :LTE_B26_10M_Ch26740_QPSK_1RB0
Test By :Getaz

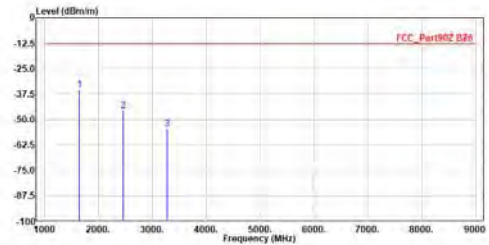


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1638.000	-35.70	-13.00	-22.70	-22.87	-12.83	Peak
2	2457.000	-44.14	-13.00	-31.14	-34.64	-9.50	Peak
3	3276.000	-52.56	-13.00	-39.56	-45.70	-6.86	Peak
4	4895.000	-49.92	-13.00	-36.92	-45.55	-4.37	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$
5. The other emission levels were very low against the limit.
6. The emission under 10Hz was not included since the emission levels are very low against the limit.

Site :CB2-H
Condition :3m Vertical
Mode :LTE_B26_10M_Ch26740_QPSK_1RB0
Test By :Getaz



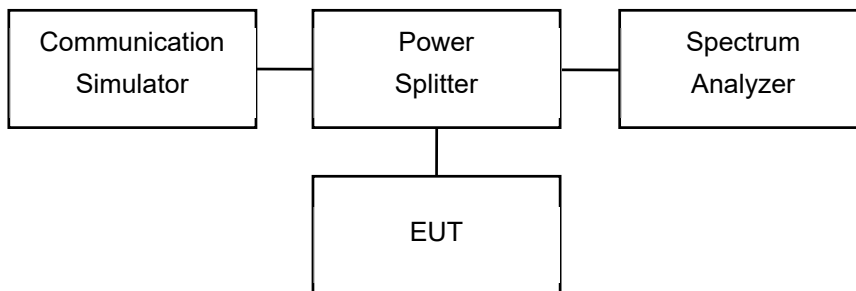
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1638.000	-35.62	-13.00	-22.62	-22.79	-12.83	Peak
2	2457.000	-45.54	-13.00	-32.54	-36.04	-9.50	Peak
3	3276.000	-54.77	-13.00	-41.77	-47.91	-6.86	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$
5. The other emission levels were very low against the limit.
6. The emission under 10Hz was not included since the emission levels are very low against the limit.

7. Conducted Band Edge

7.1. Test Setup



7.2. Test Procedure

1. The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. The path loss was compensated to the results for each measurement.
2. In the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.

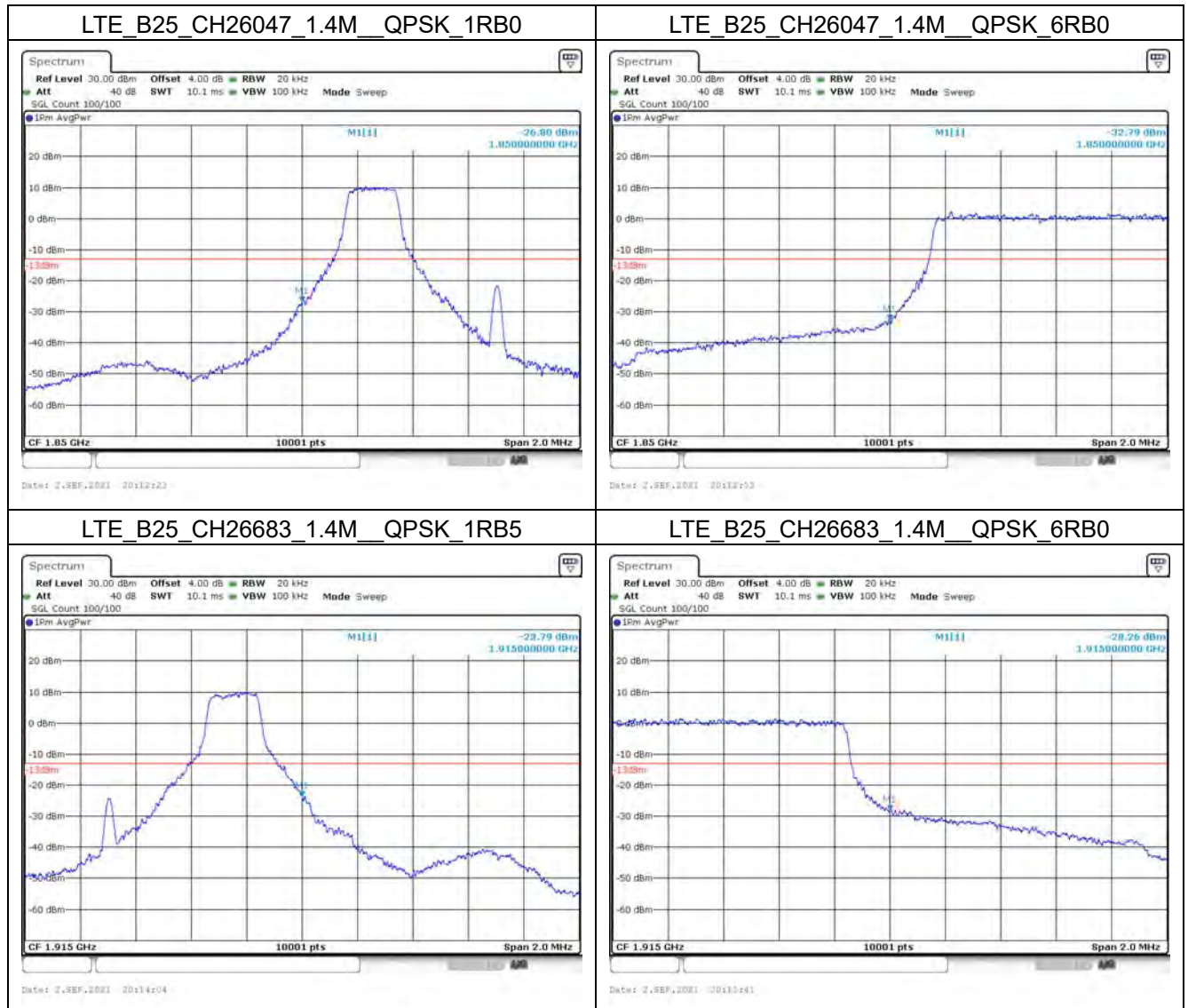
7.3. Test Methodology and Reference Procedures

KDB 971168 D01 Power Meas License Digital Systems v03r01

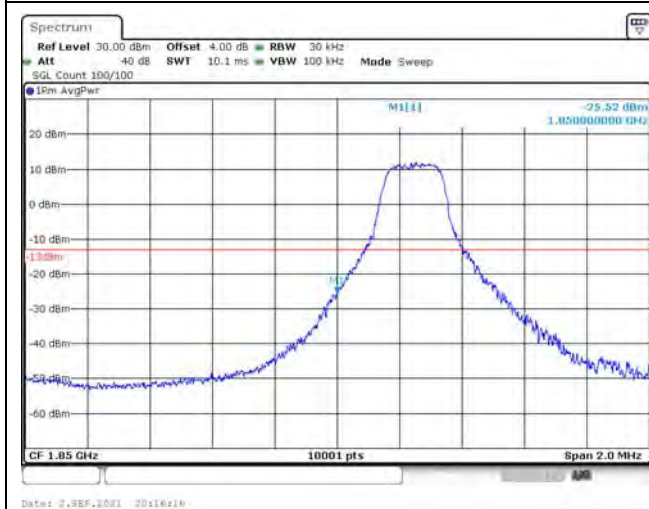
ANSI C63.26-2015

7.4. Test Result of Conducted Band Edge

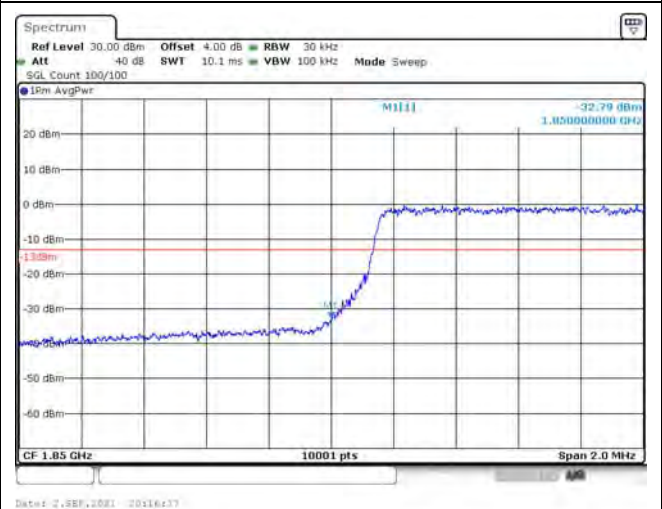
Mode 1: LTE Band 2/25



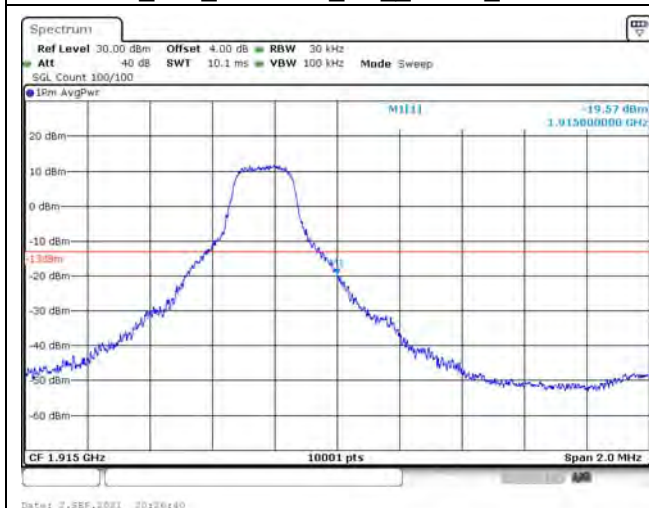
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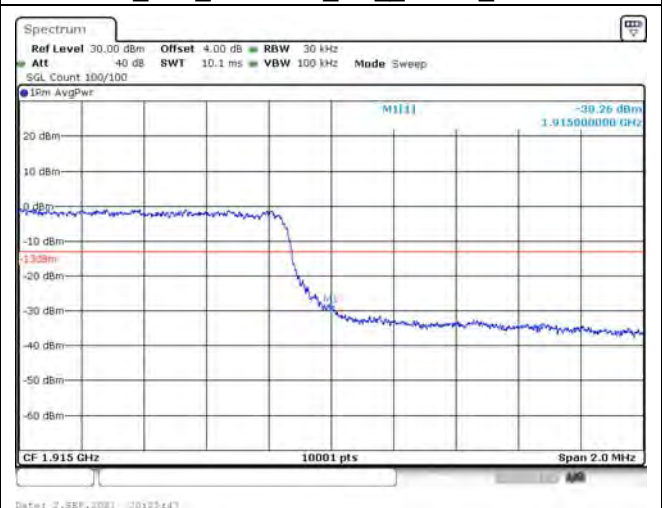
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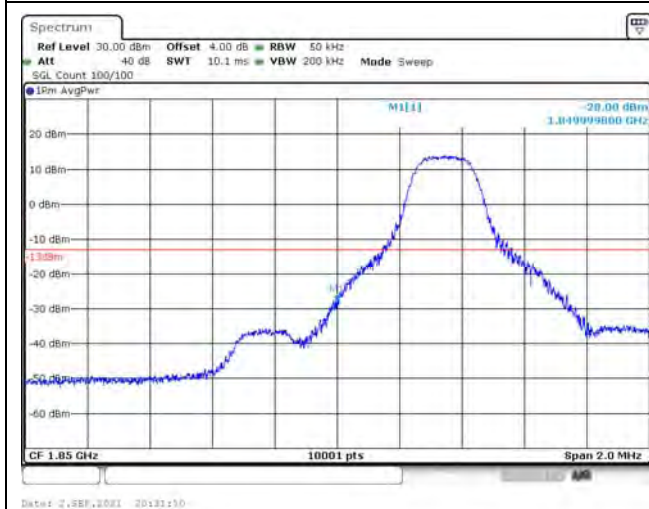
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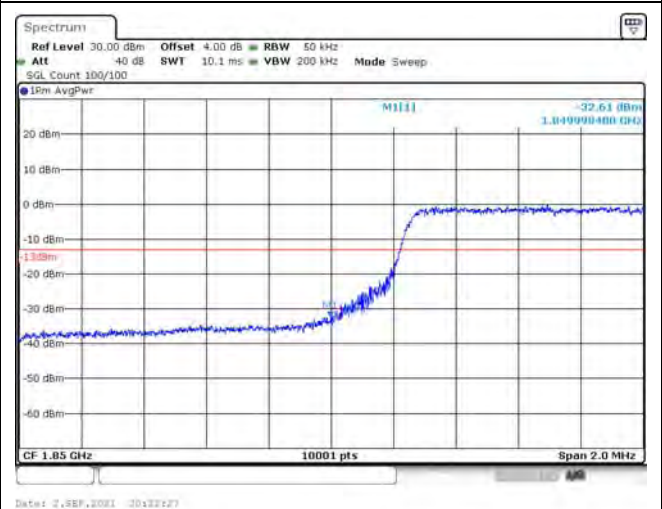
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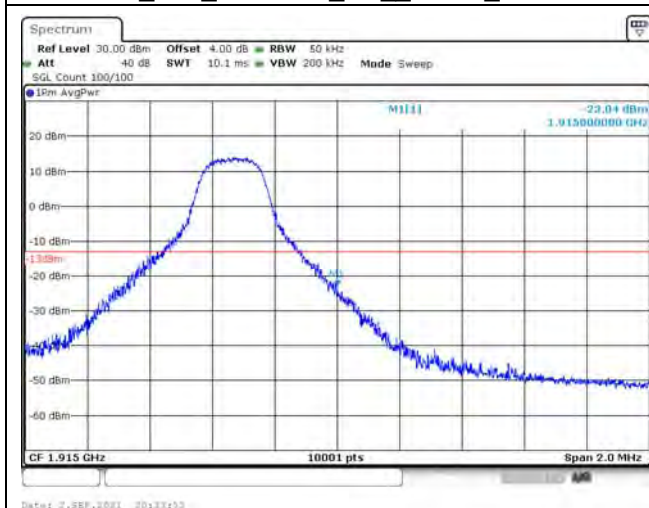
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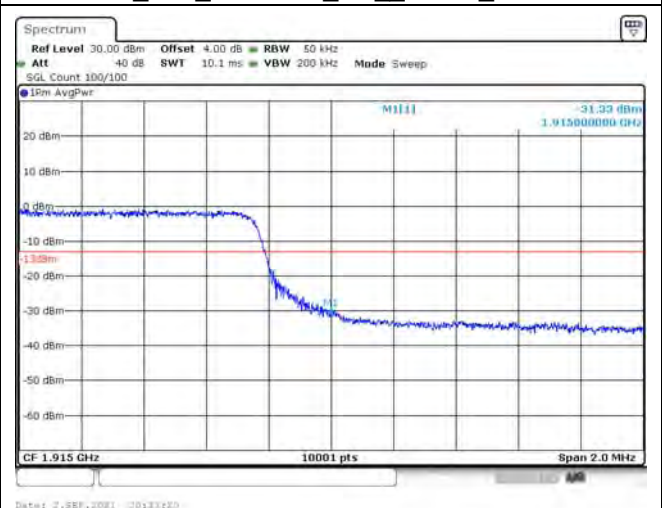
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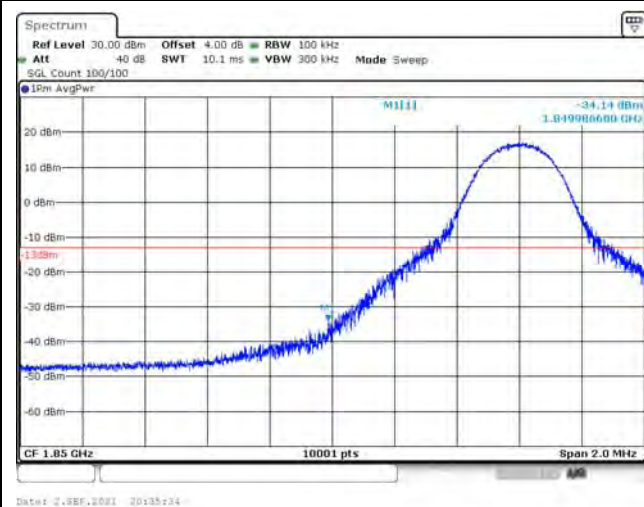
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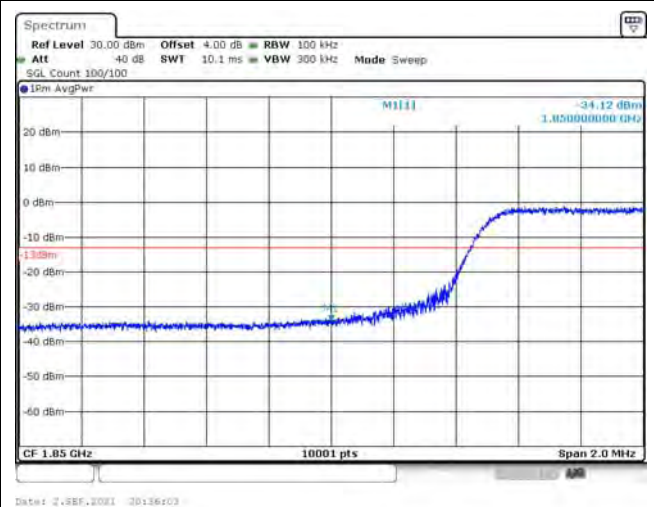
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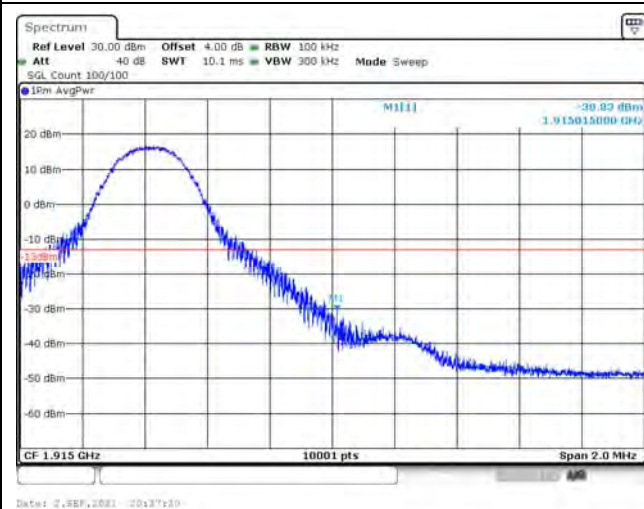
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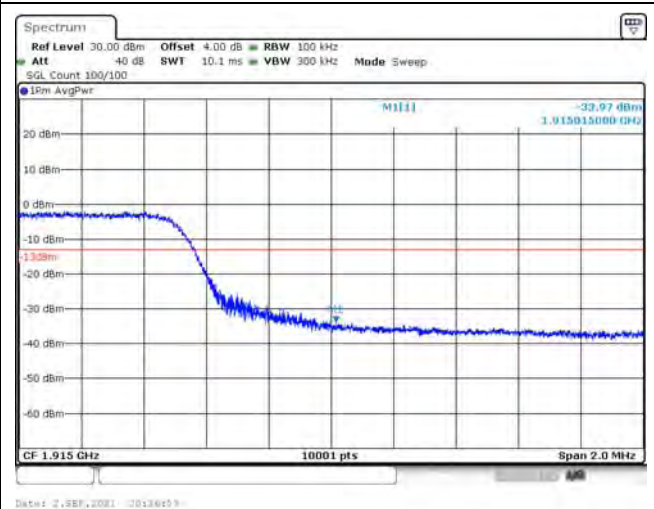
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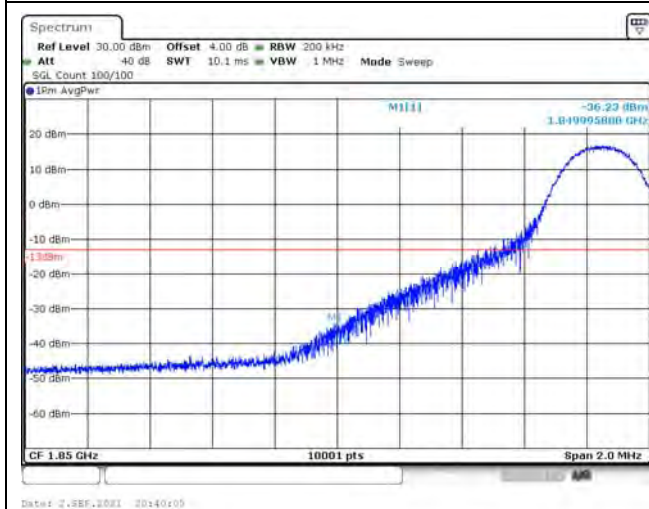
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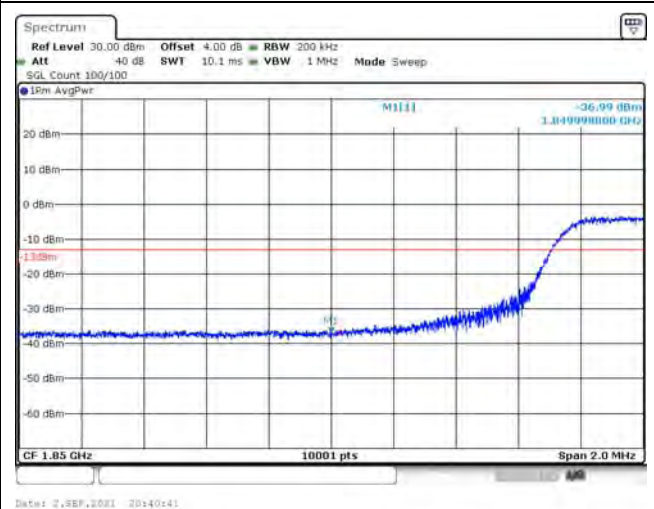
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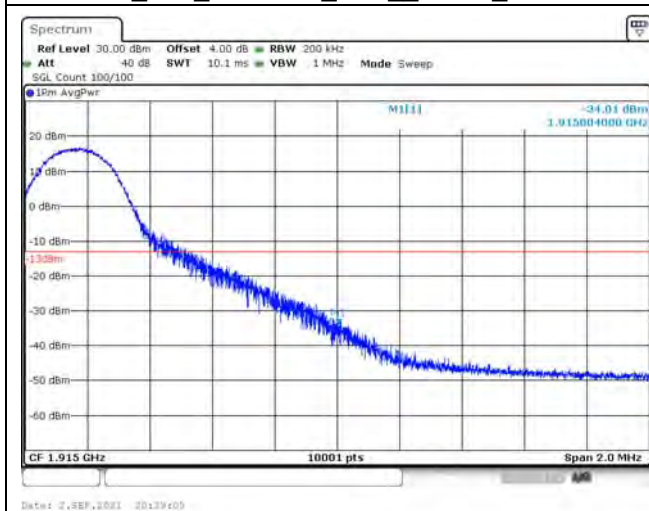
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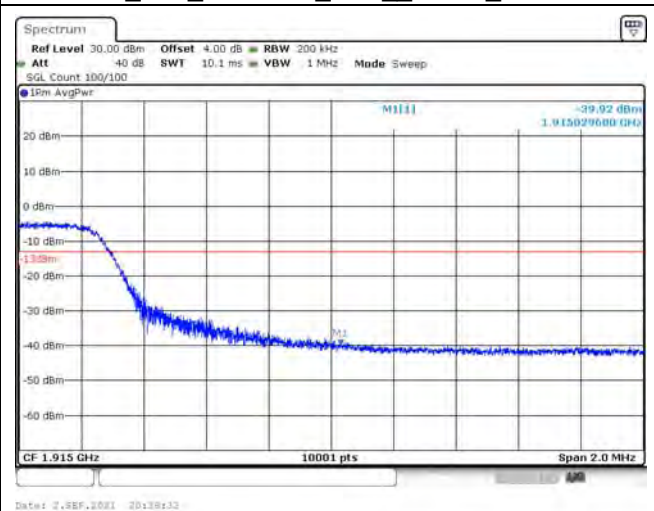
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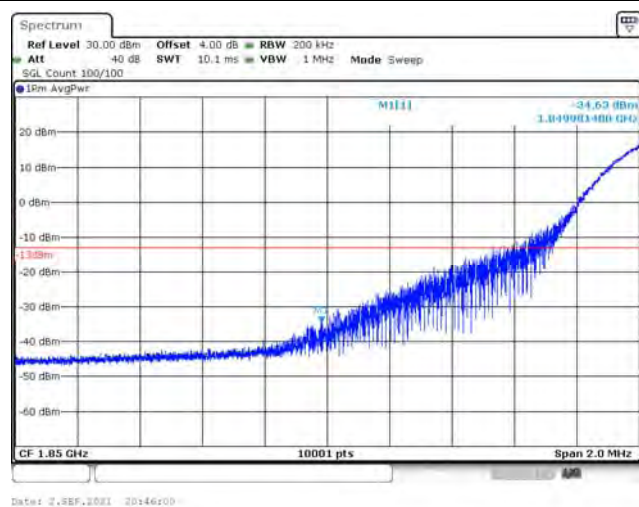
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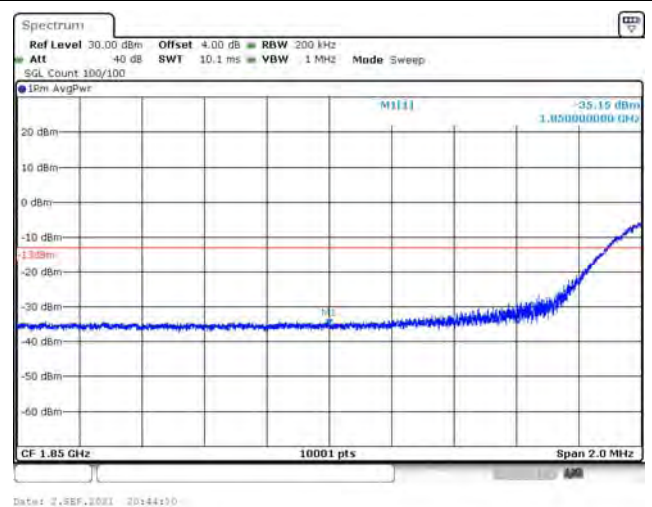
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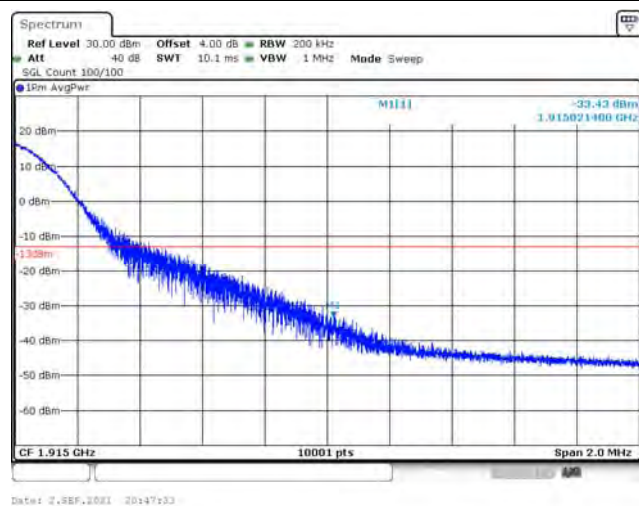
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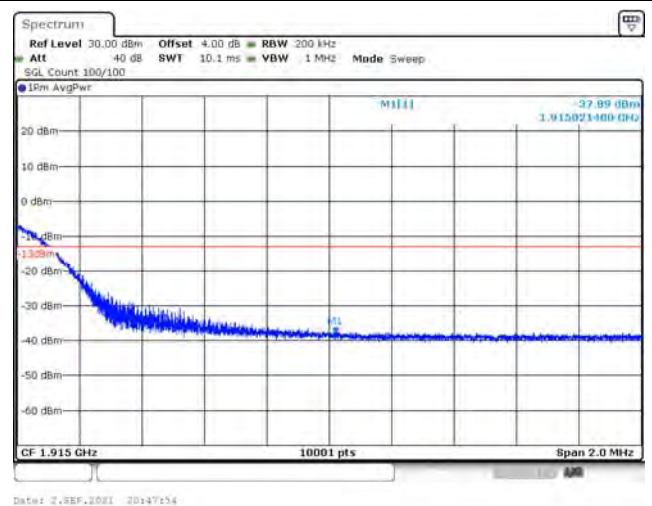
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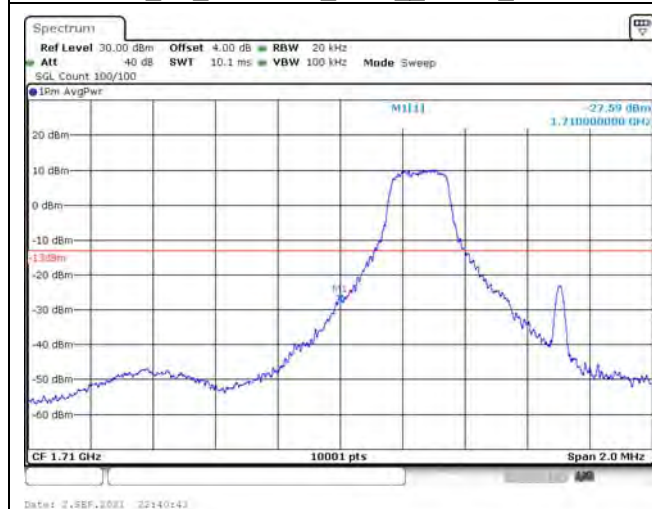


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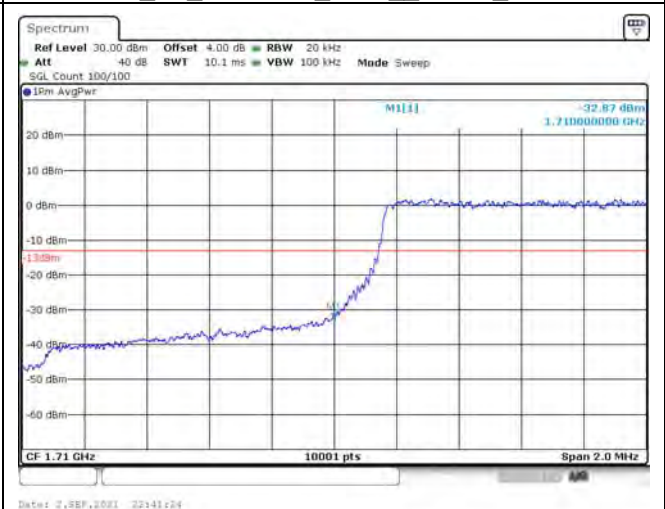


Mode 2: LTE Band 4

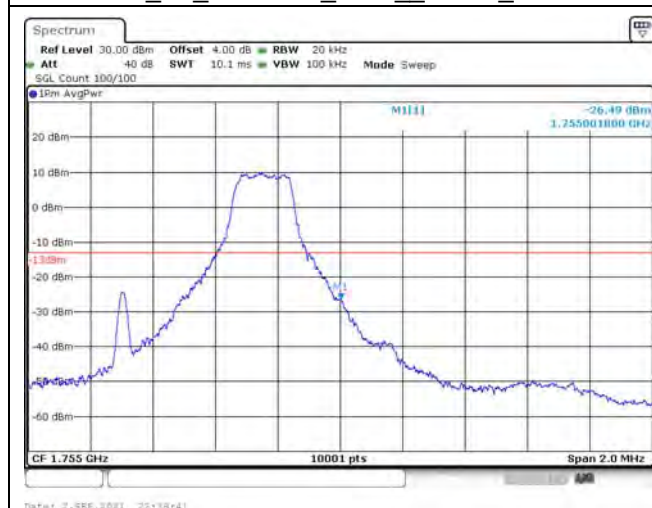
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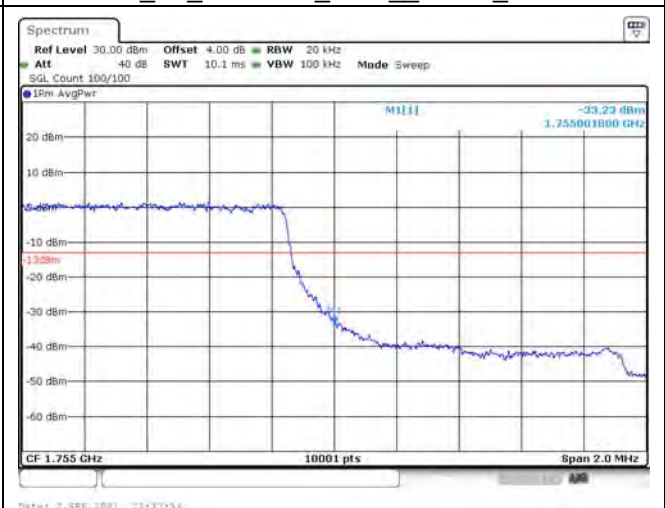
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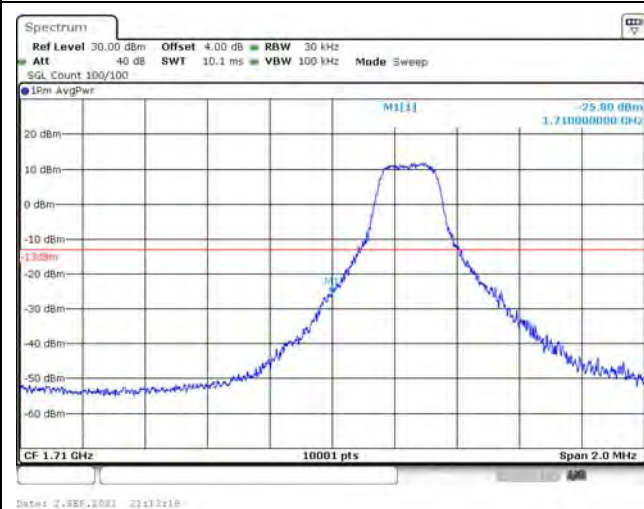
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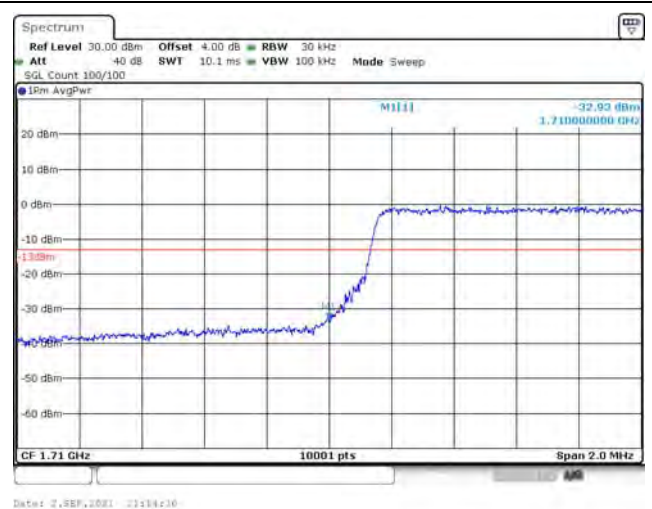
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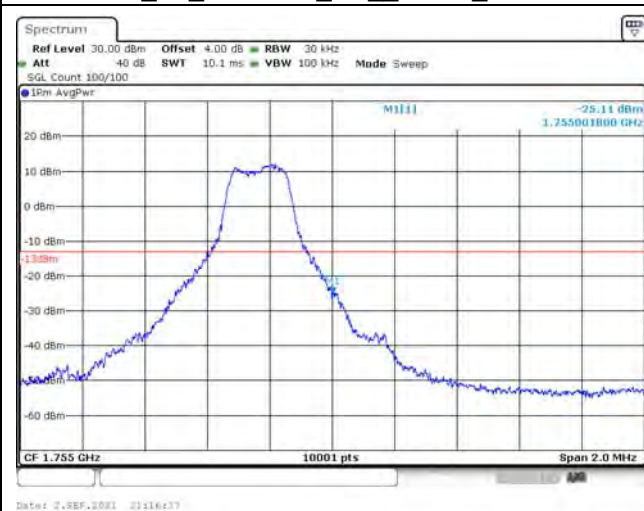
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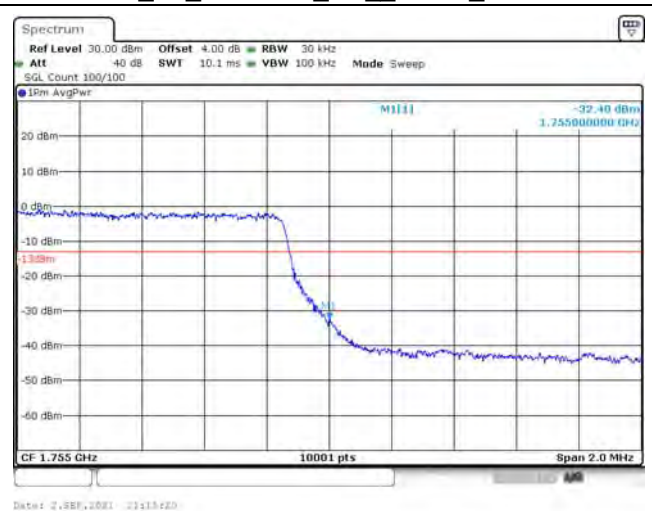
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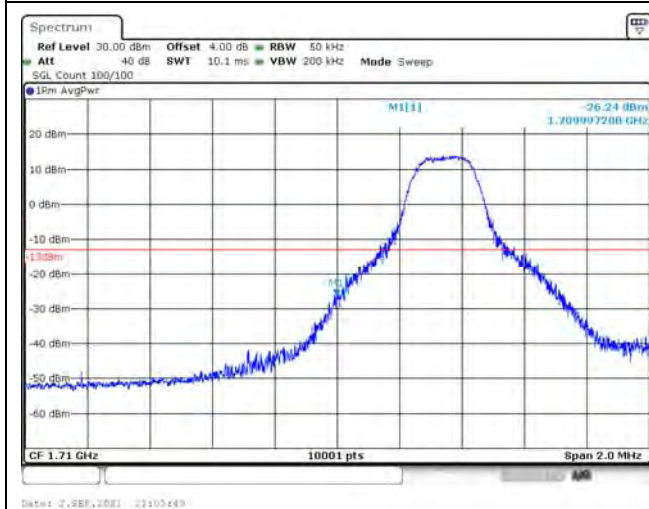
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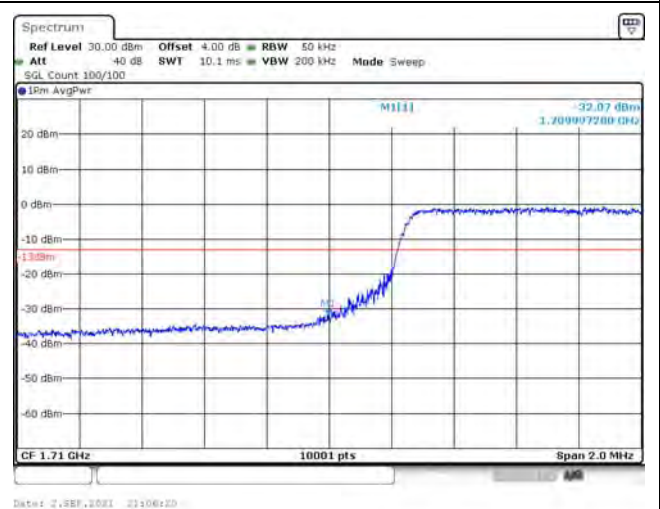
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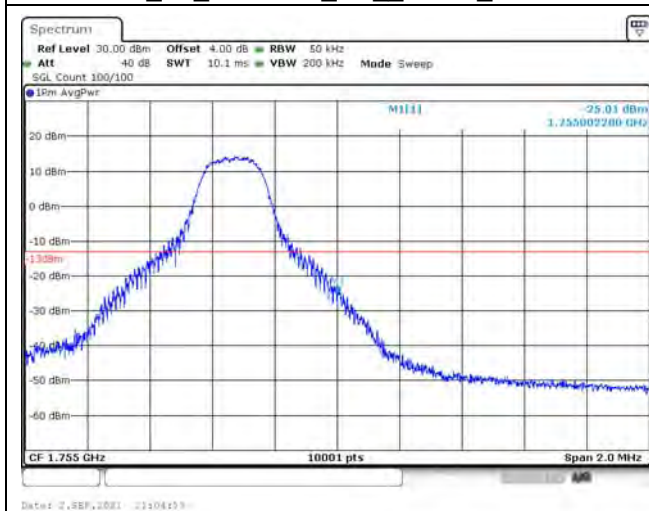
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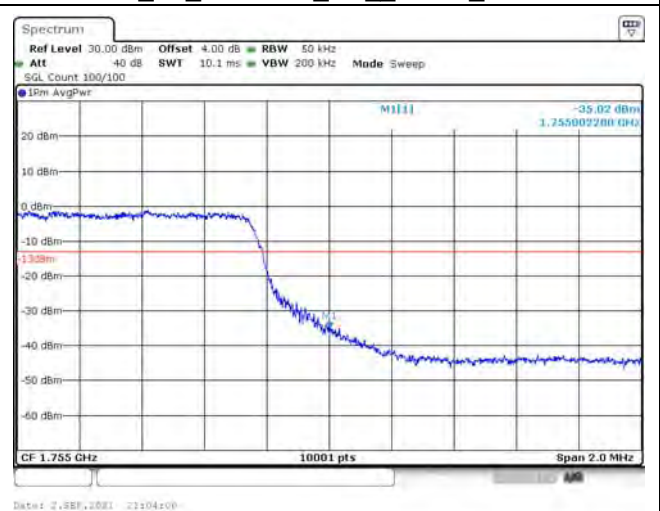
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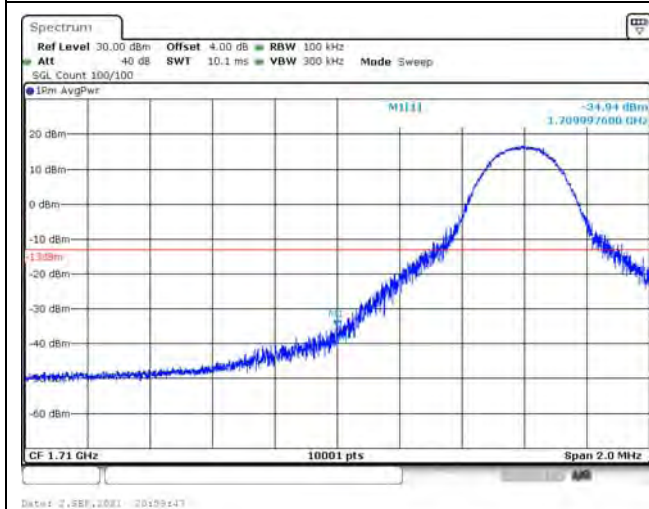
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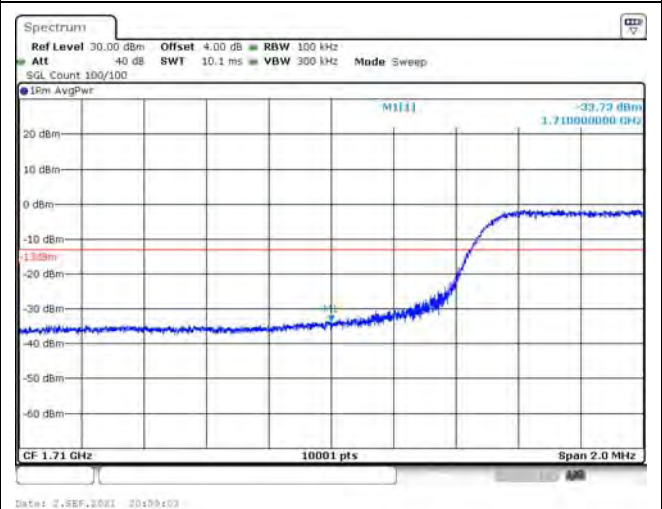
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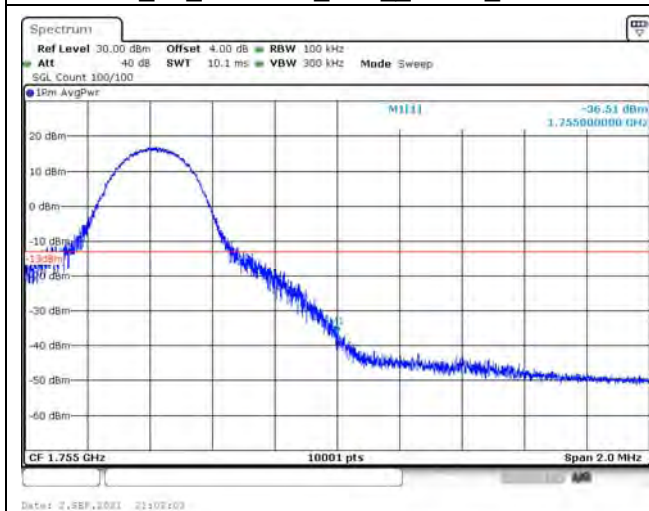
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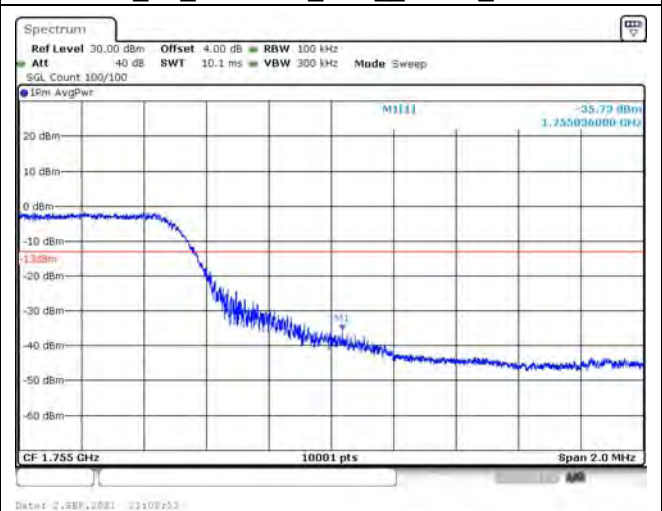
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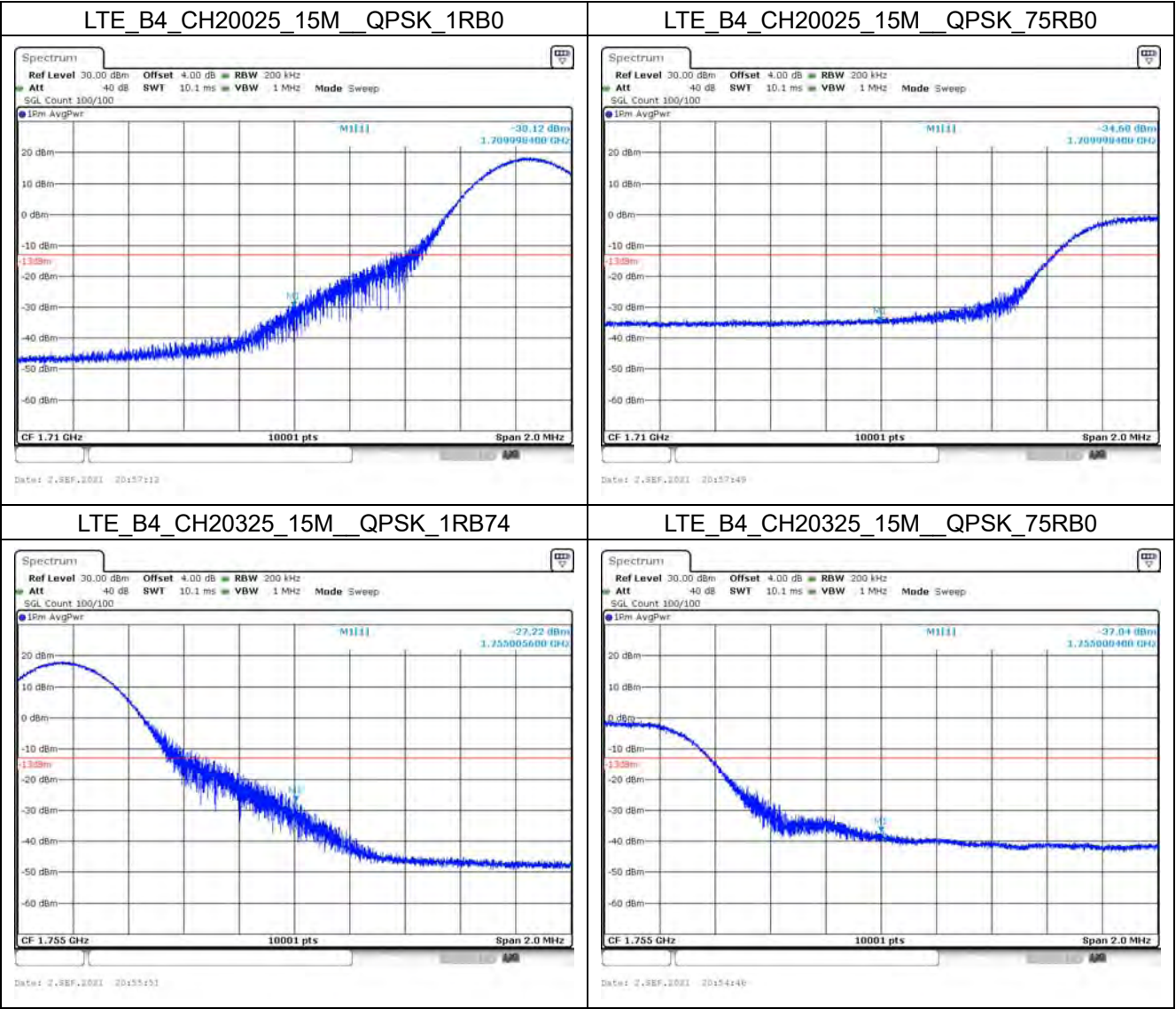


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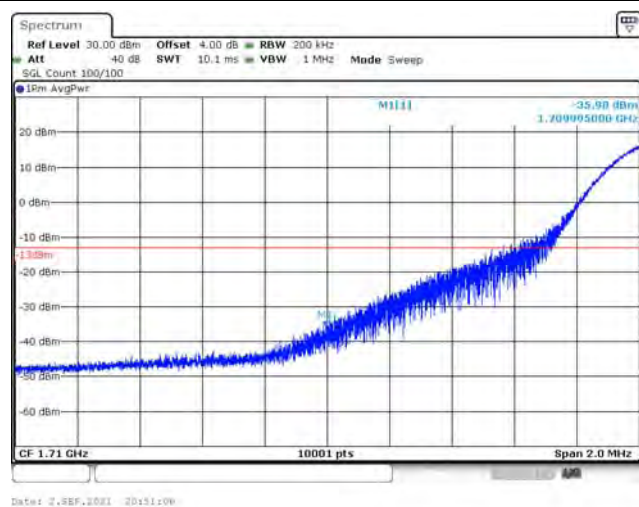


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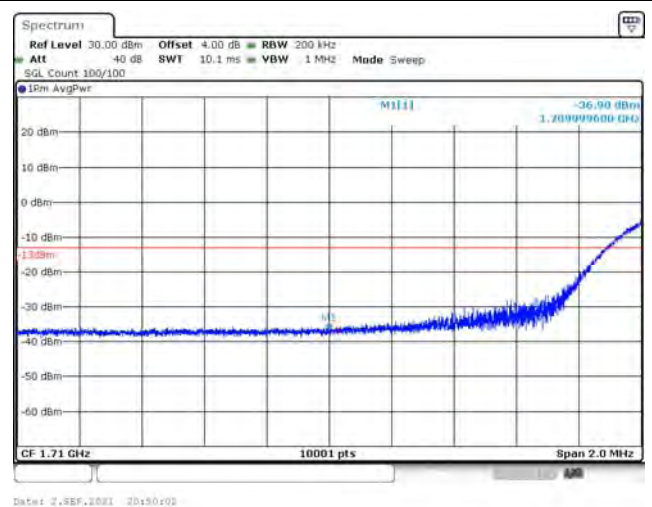




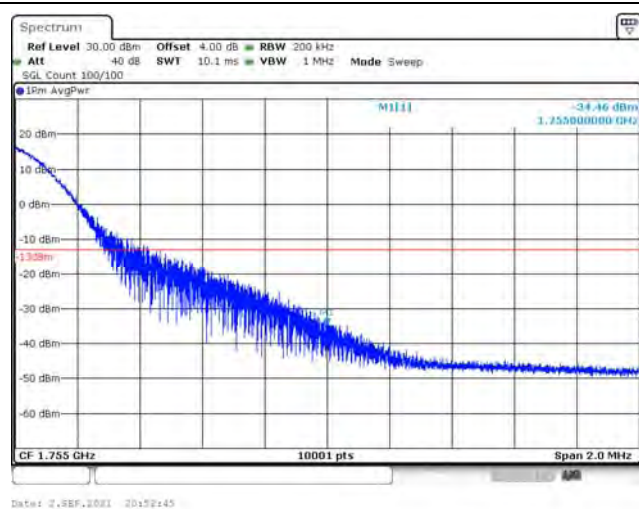
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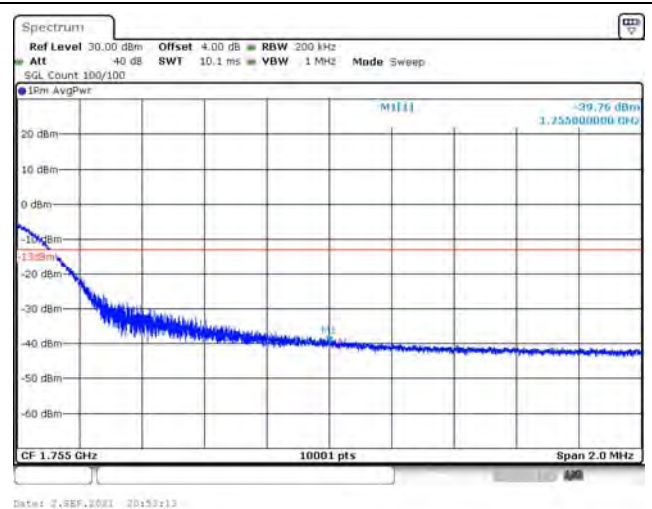
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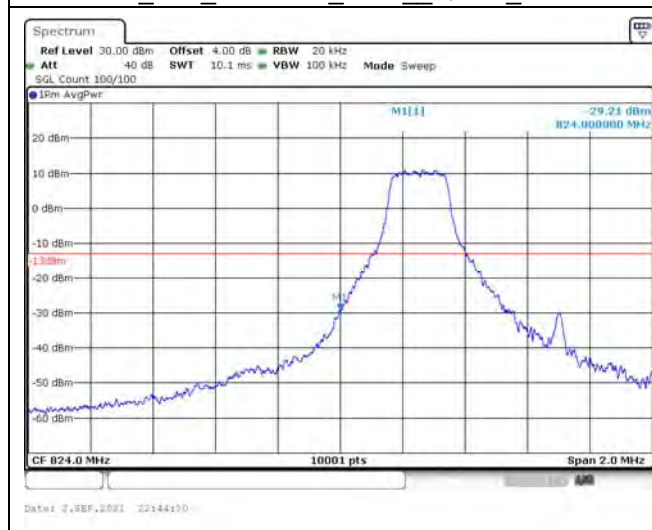


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Mode 3: LTE Band 5/26 (Part 22)

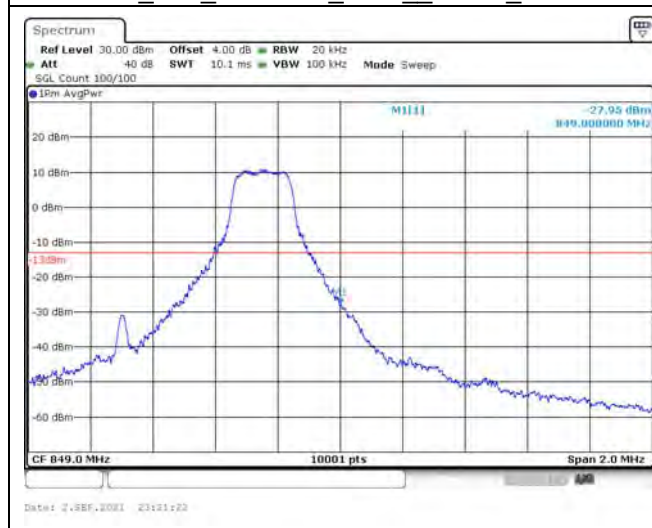
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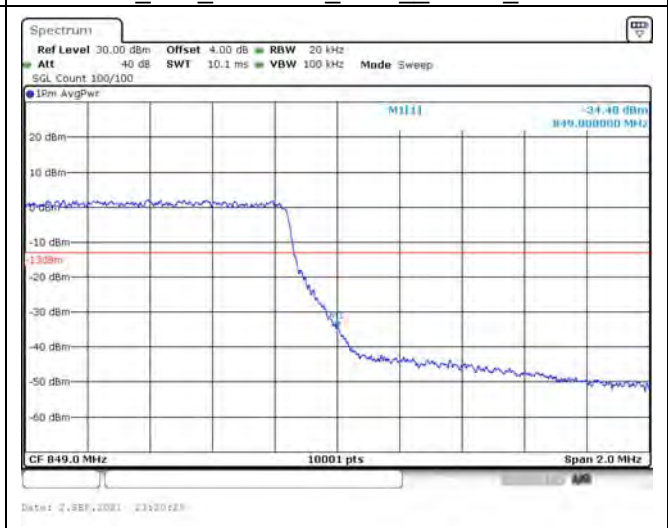
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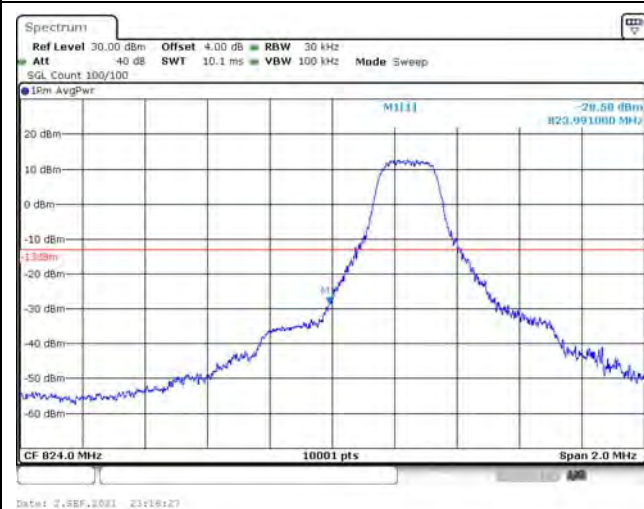
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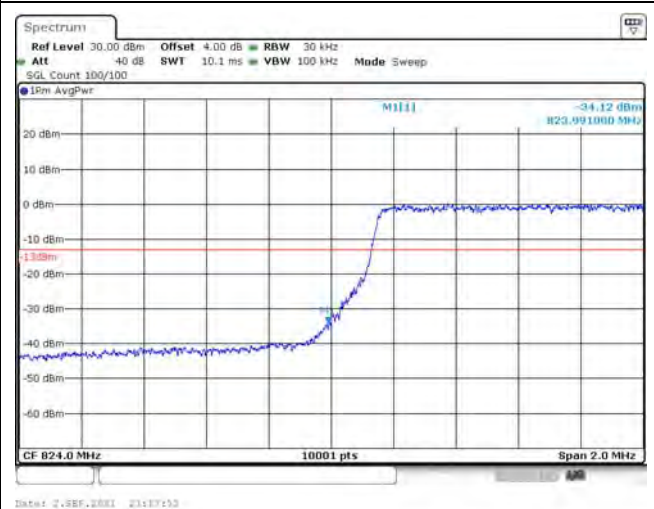
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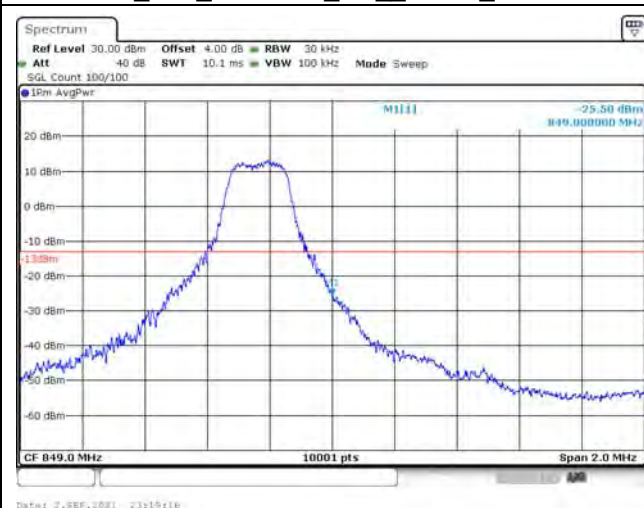
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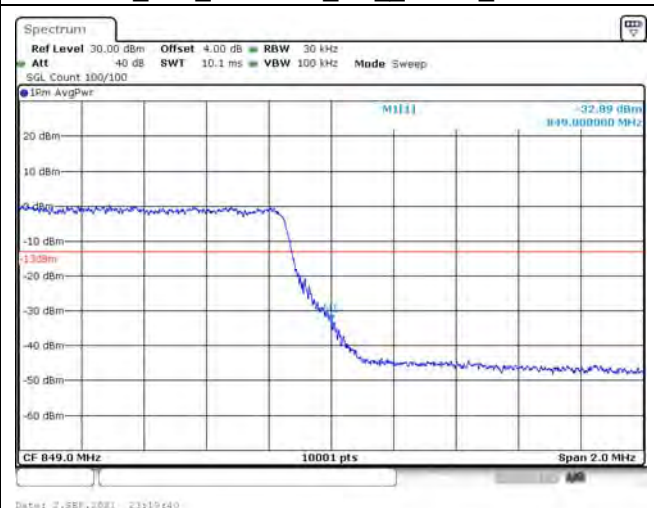
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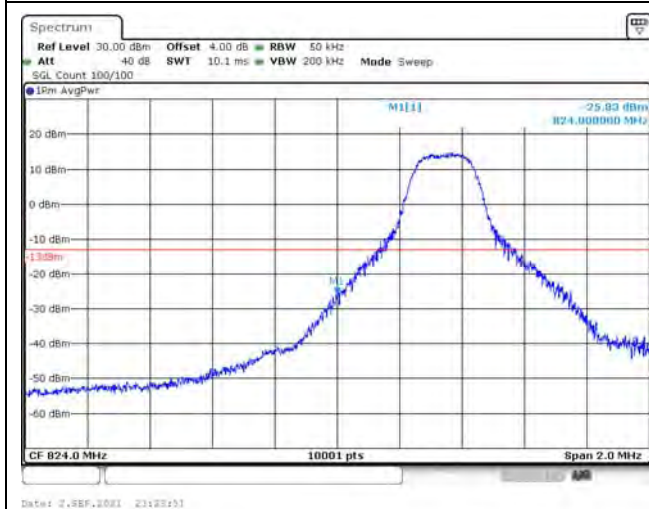
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LTE_B26_CH27025_3M_QPSK_15RB0

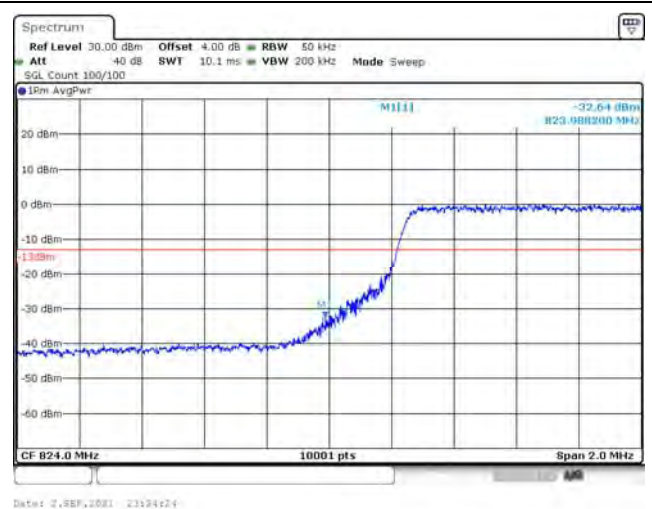


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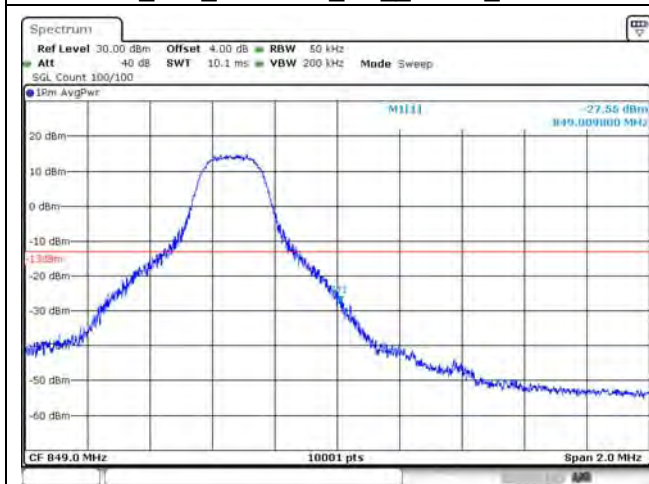
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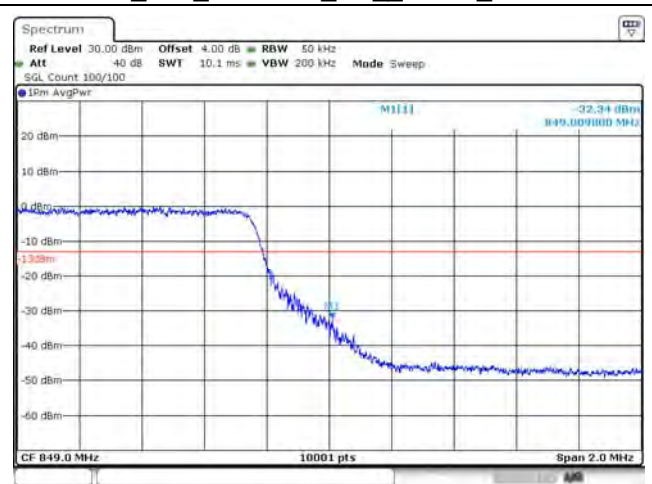
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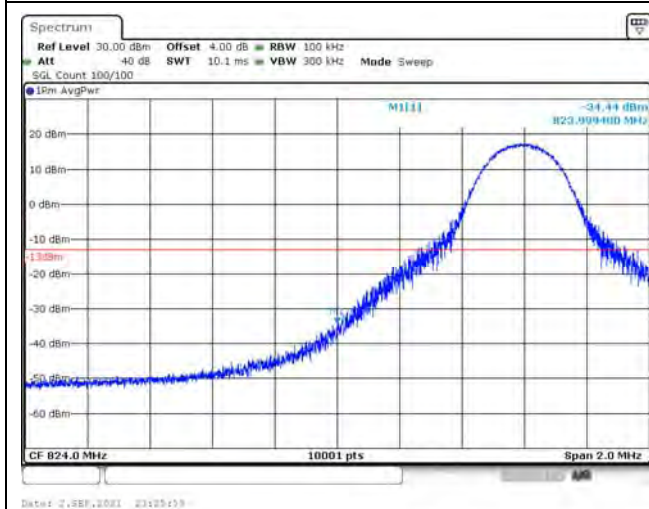
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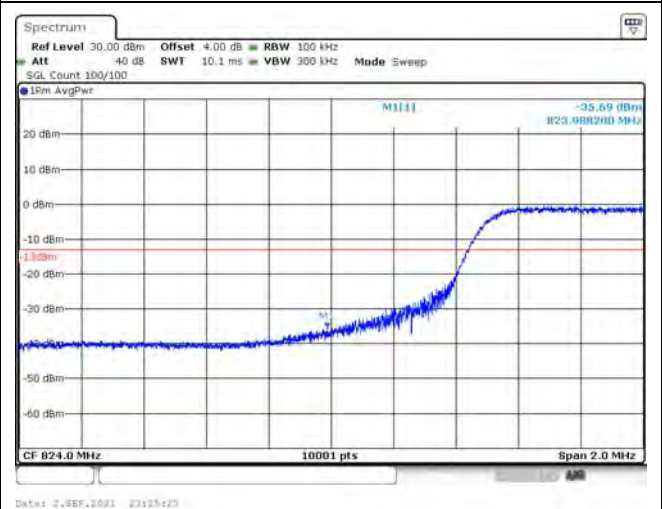


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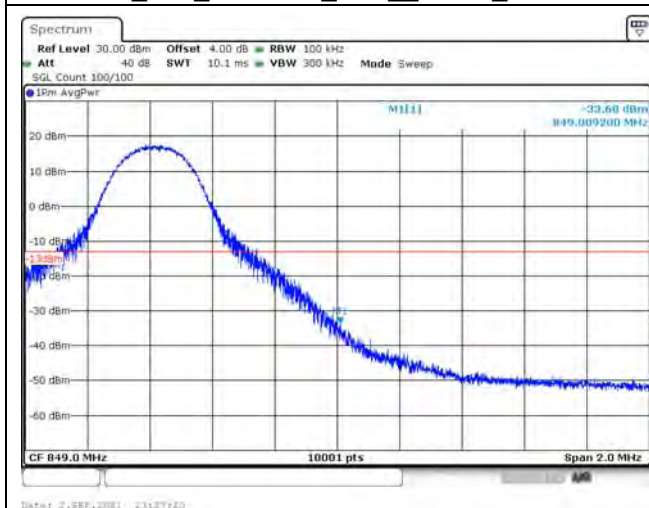
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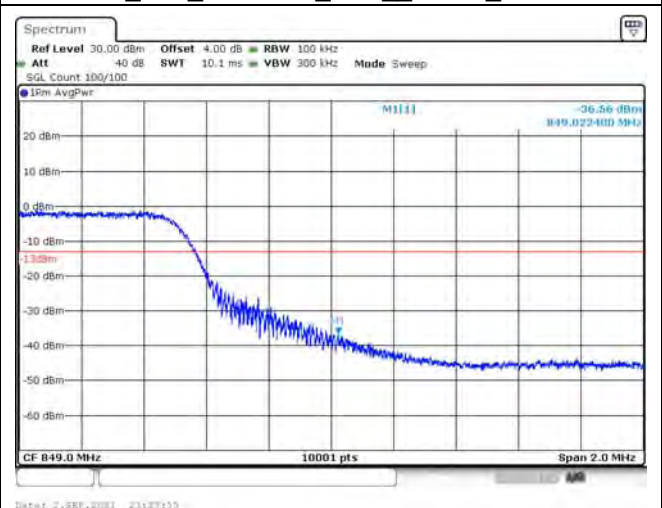
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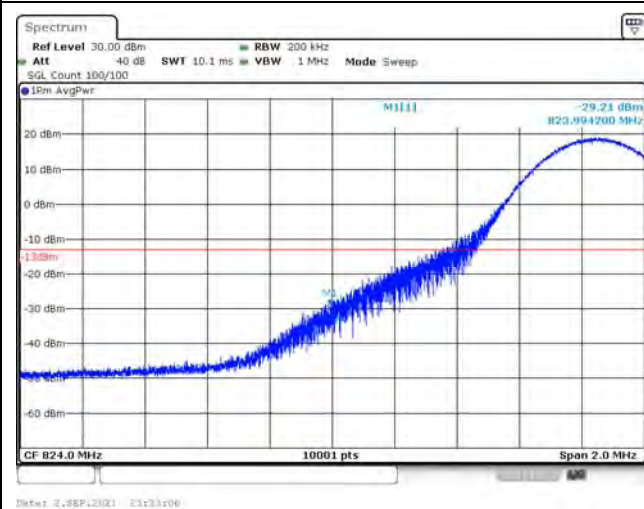
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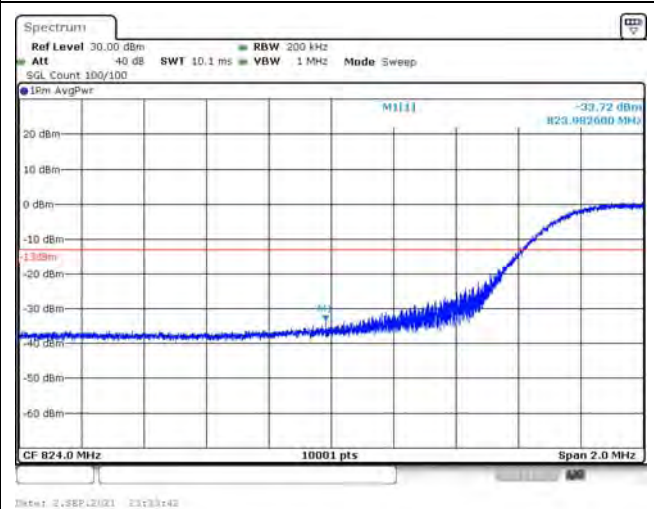
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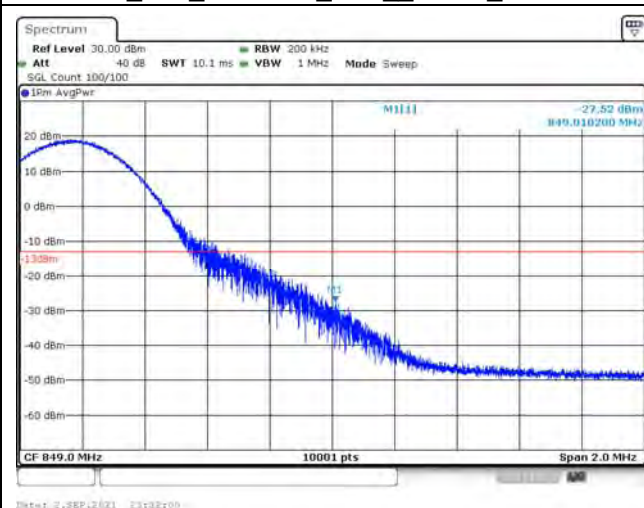
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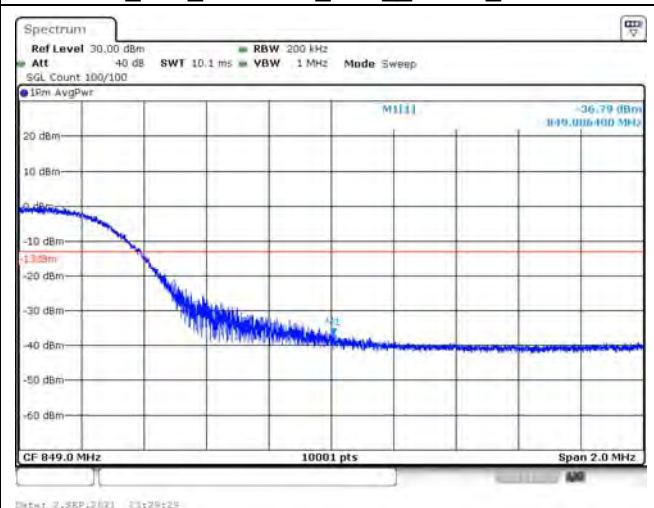
LTE_B26_CH26865_15M_QPSK_75RB0



LTE_B26_CH26965_15M_QPSK_1RB74

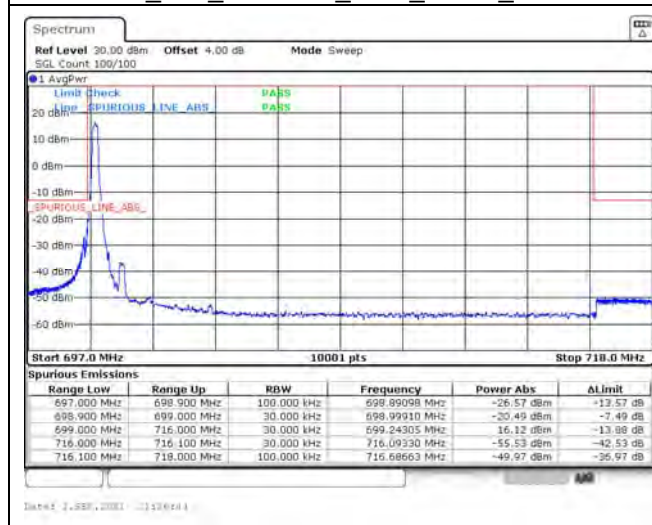


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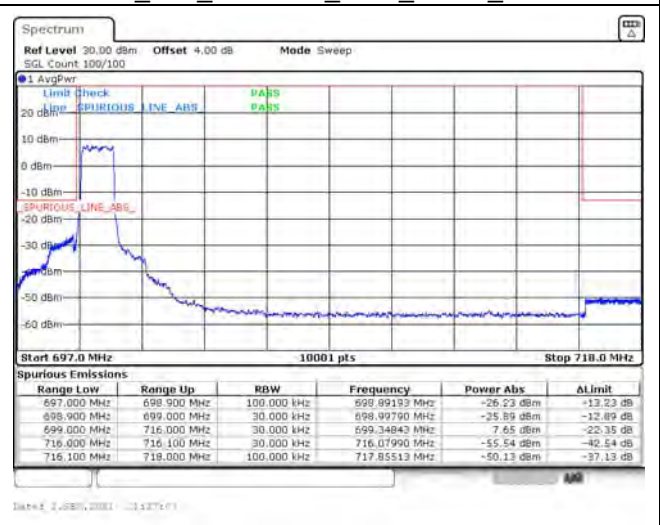


Mode 4: LTE Band 12

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LTE_B12_CH23017_1.4M_QPSK_6RB0



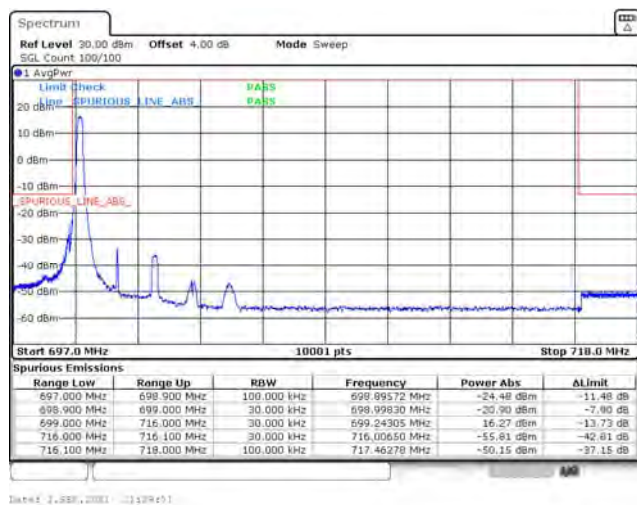
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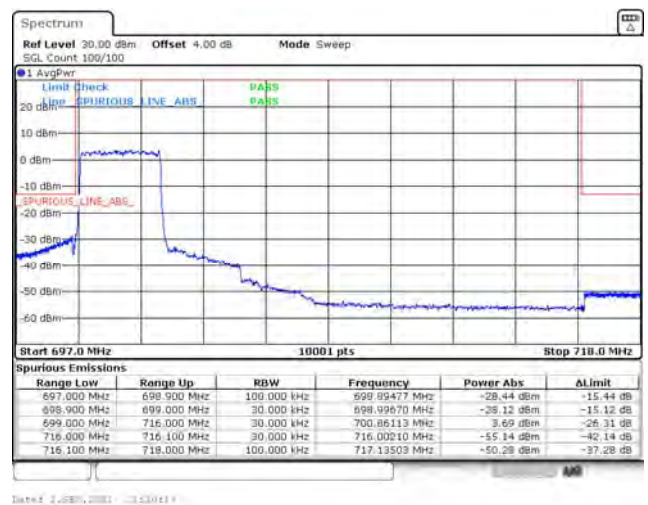
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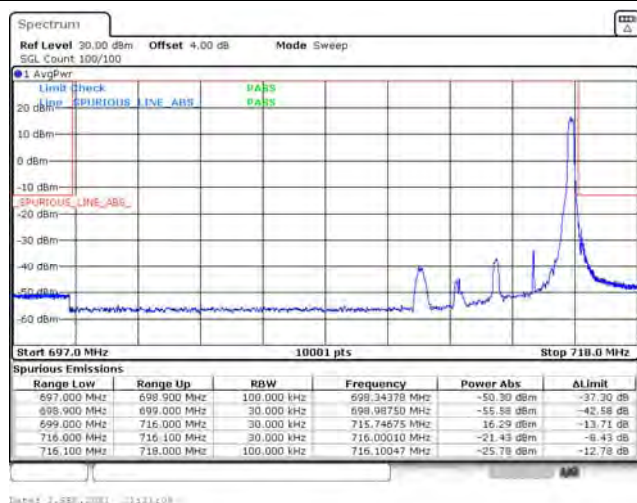
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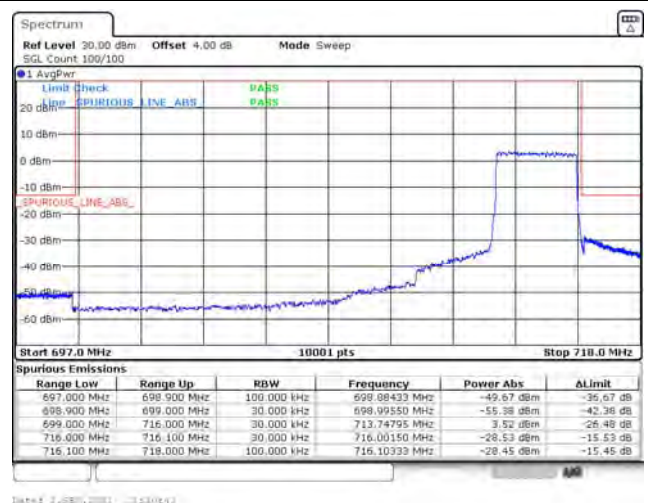
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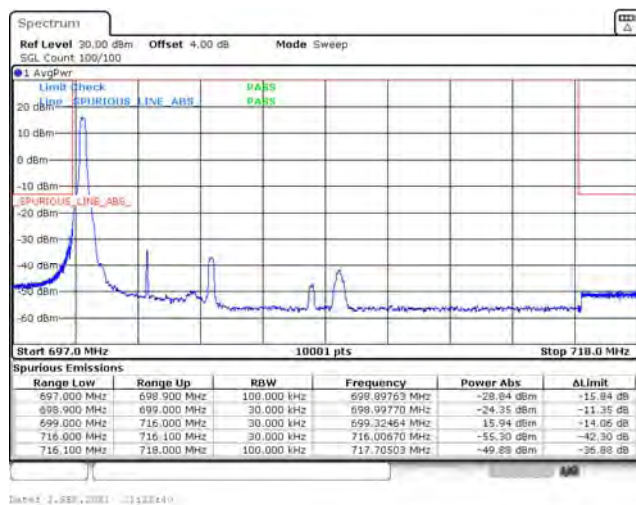
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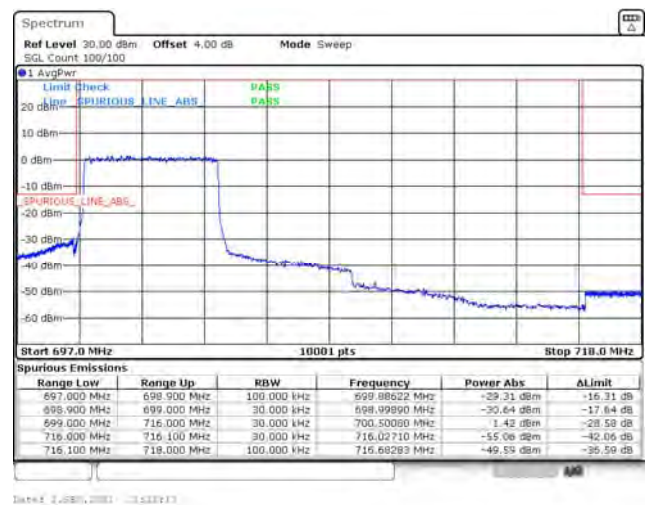
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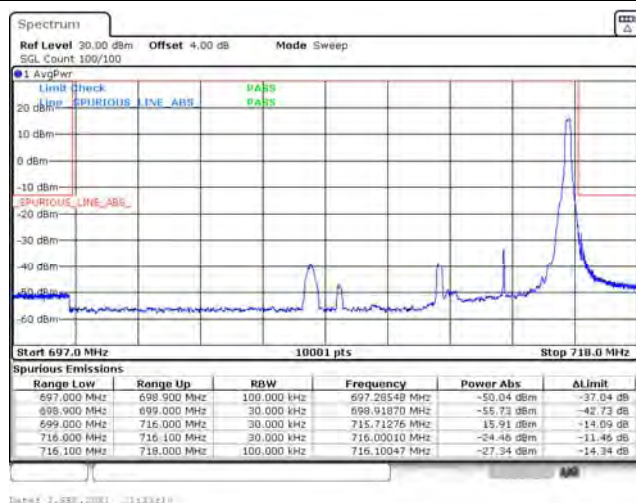
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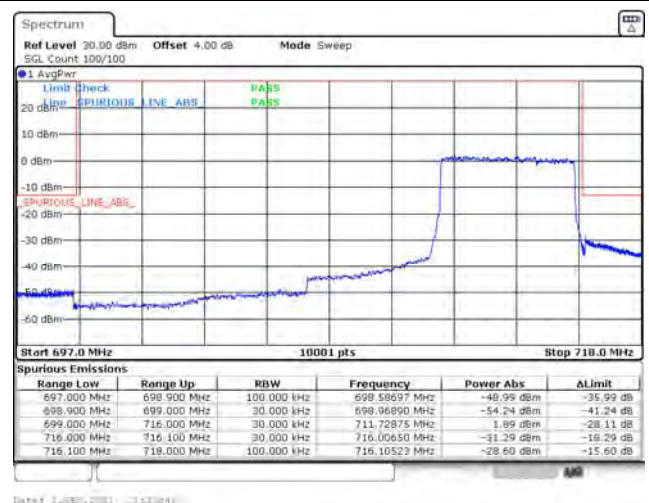
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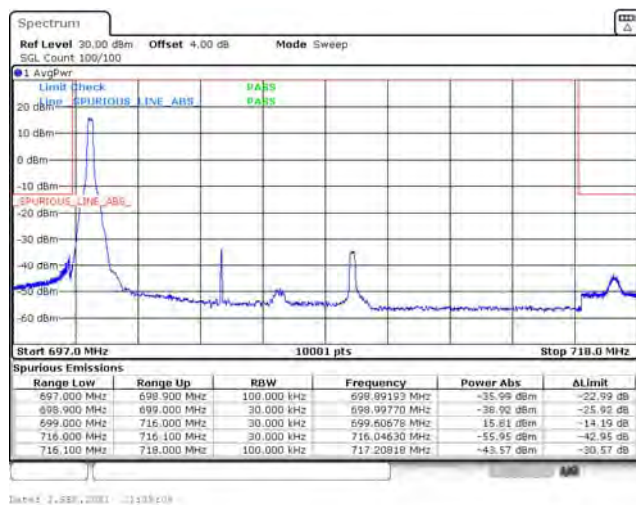
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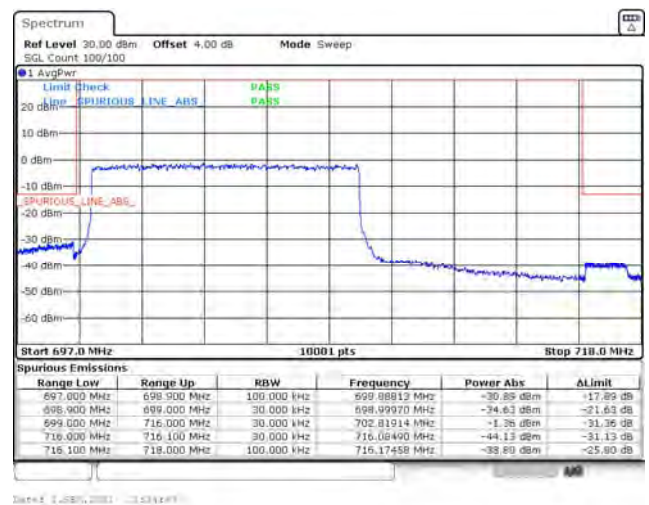
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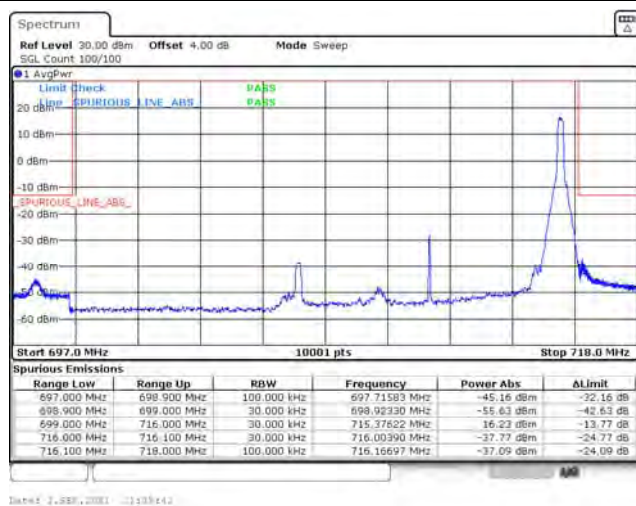
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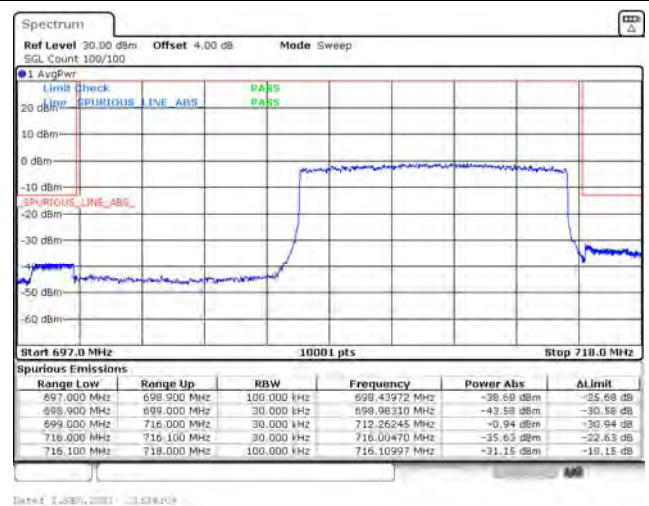
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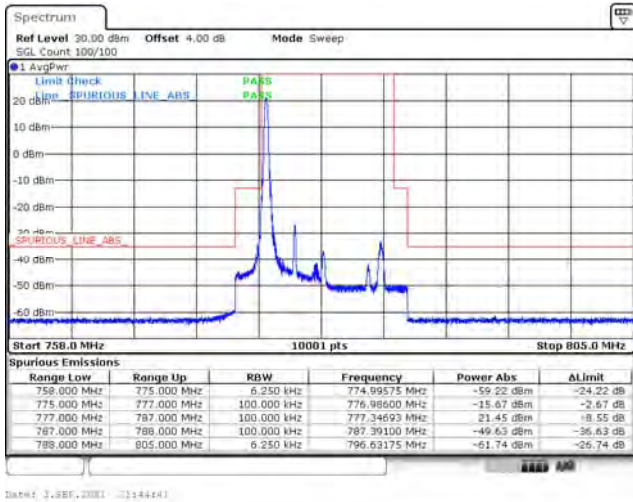
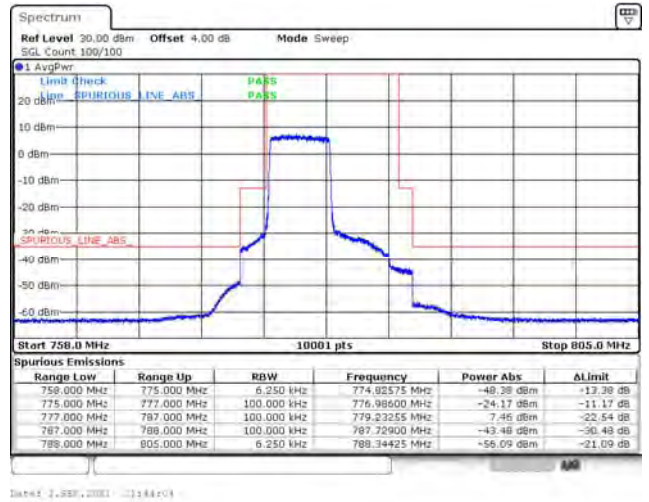
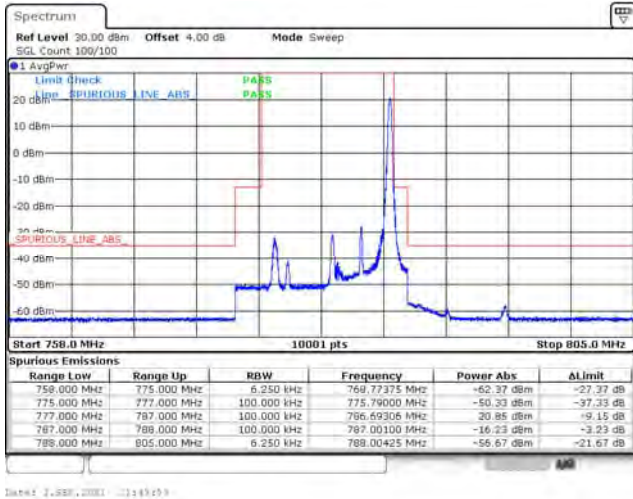
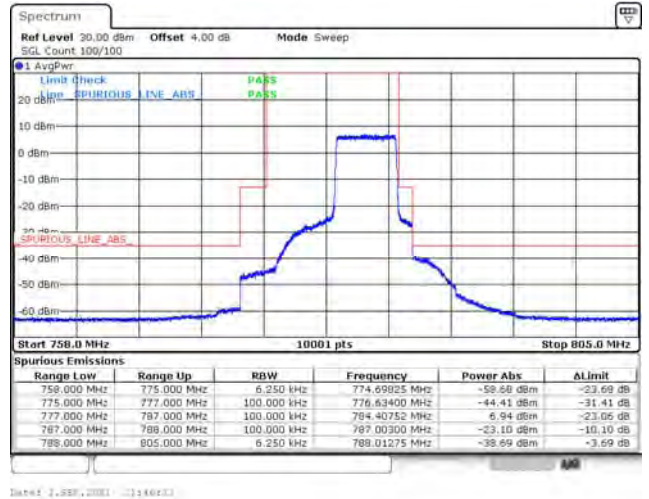


LTE_B12_CH23130_10M_QPSK_1RB49

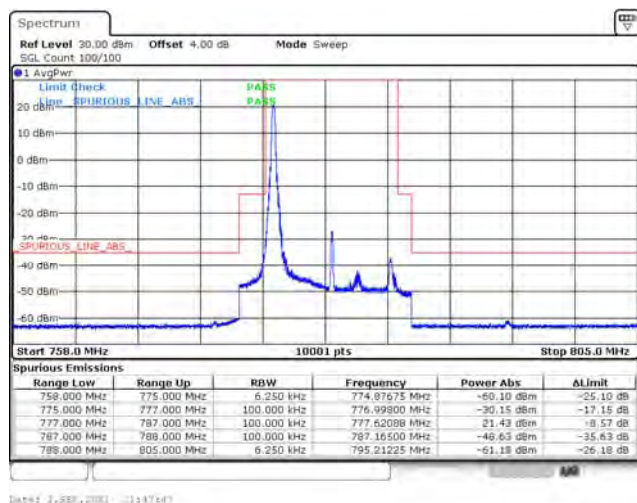


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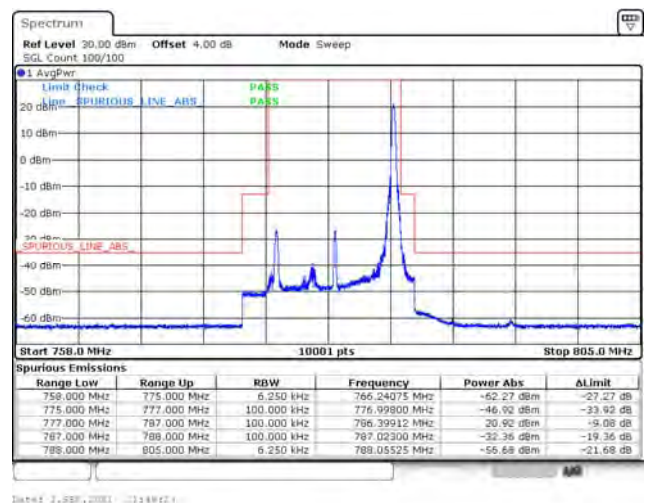


Mode 5: LTE Band 13**LTE_B13_CH23205_5M_QPSK_1RB0****LTE_B13_CH23205_5M_QPSK_25RB0****LTE_B13_CH23255_5M_QPSK_1RB24****LTE_B13_CH23255_5M_QPSK_25RB0**

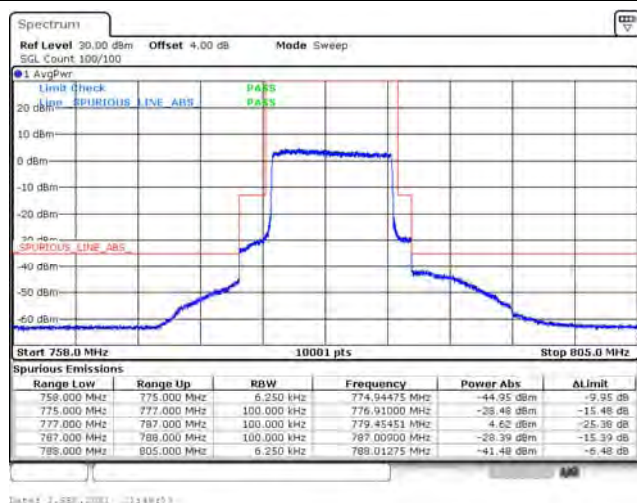
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LTE_B13_CH23230_10M_QPSK_1RB49



LTE_B13_CH23230_10M_QPSK_50RB0



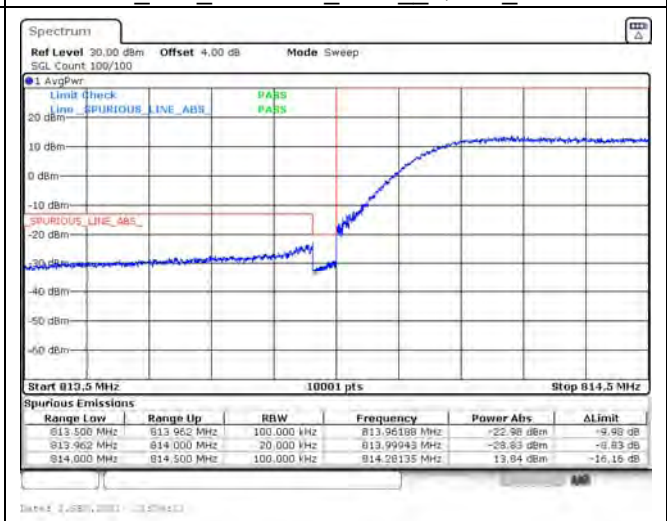
N/A

Mode 6: LTE Band 26 (Part 90)

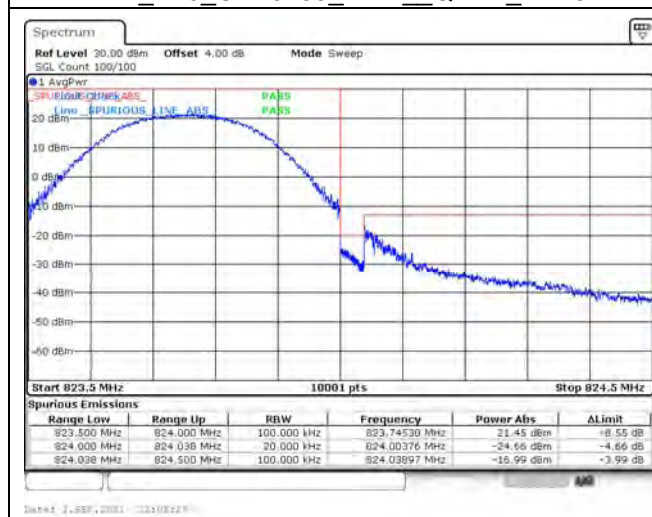
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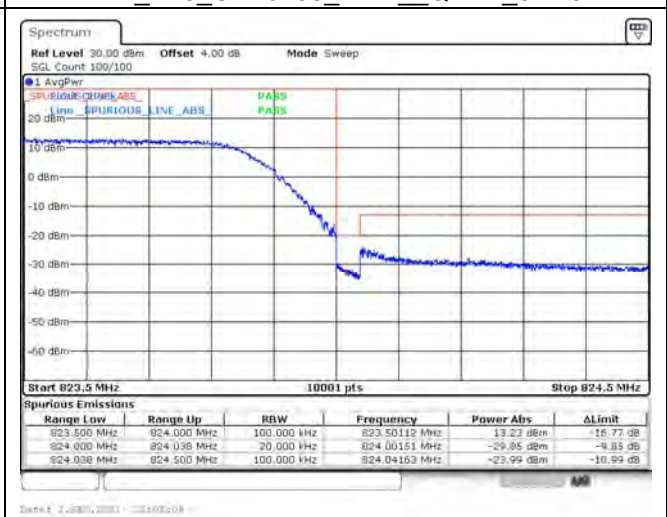
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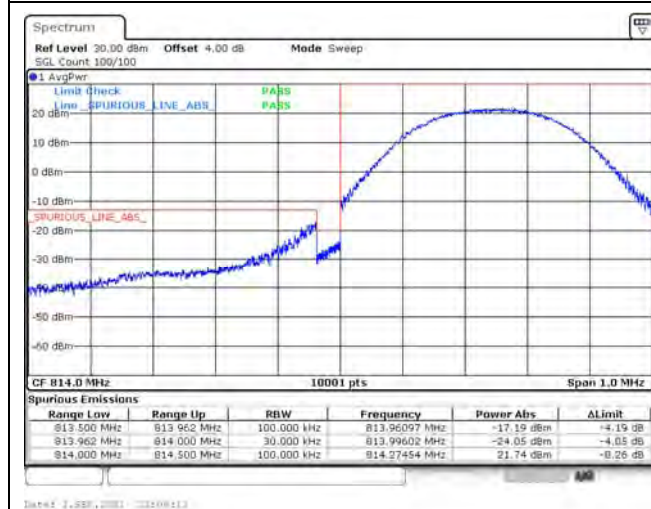
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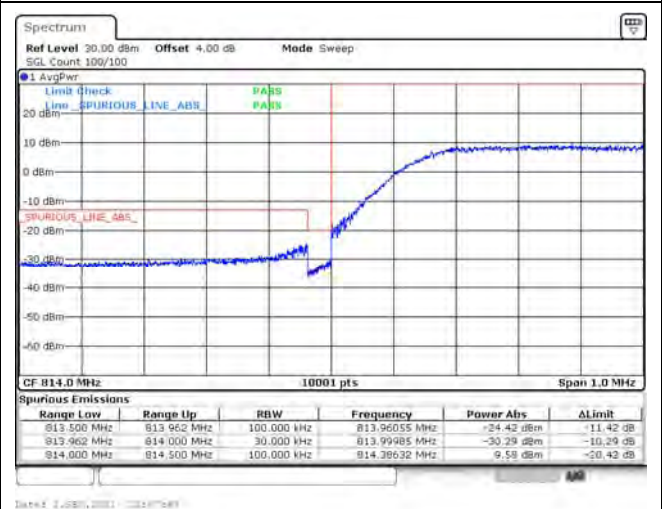
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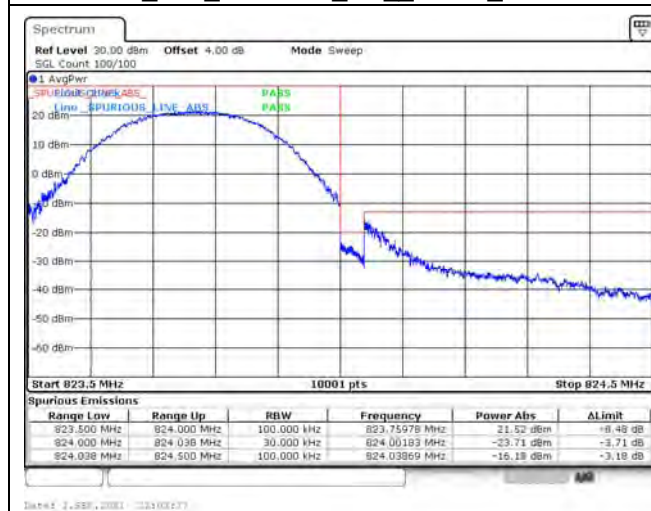
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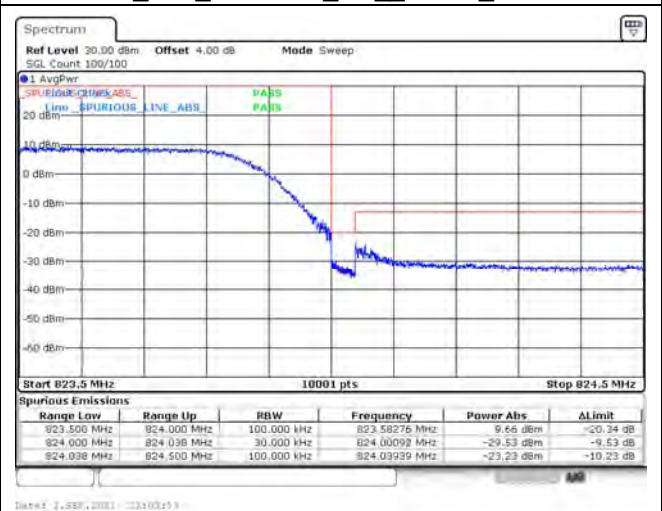
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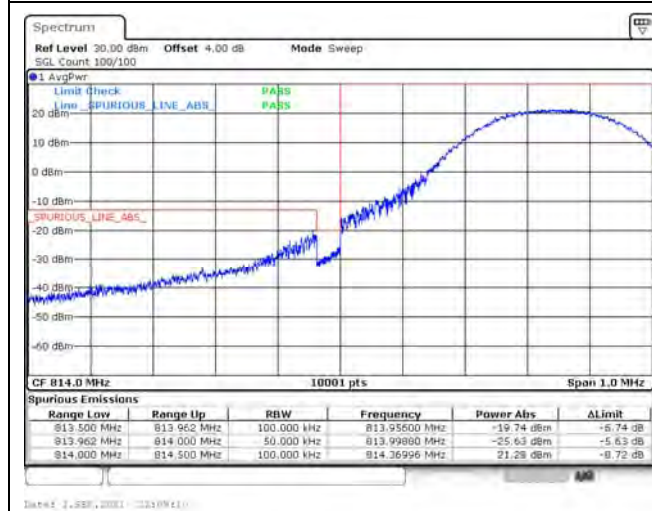
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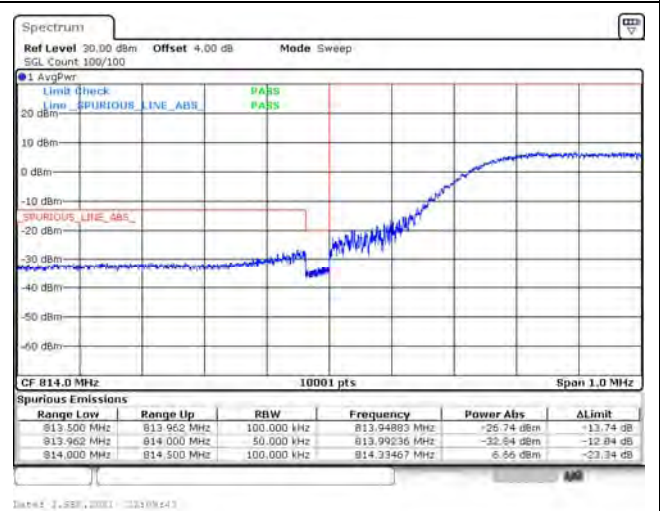
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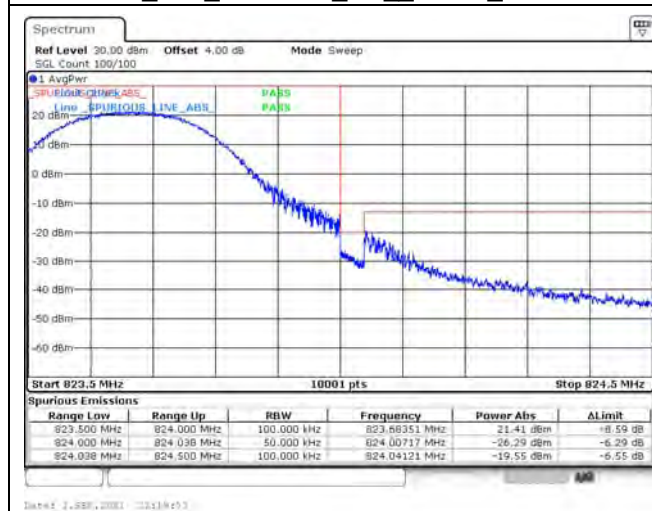
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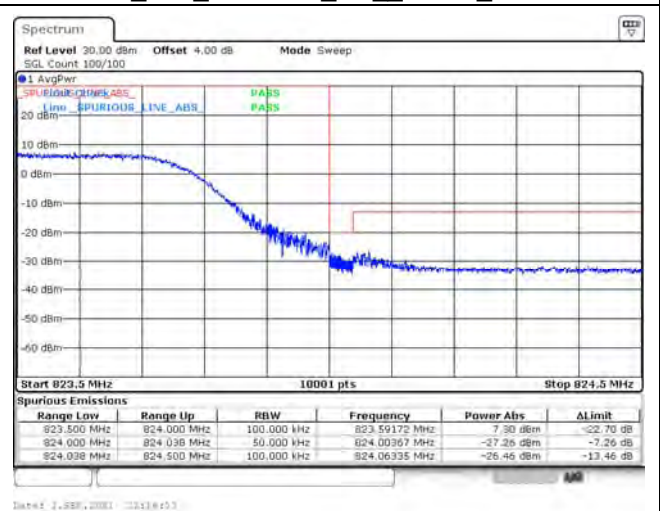
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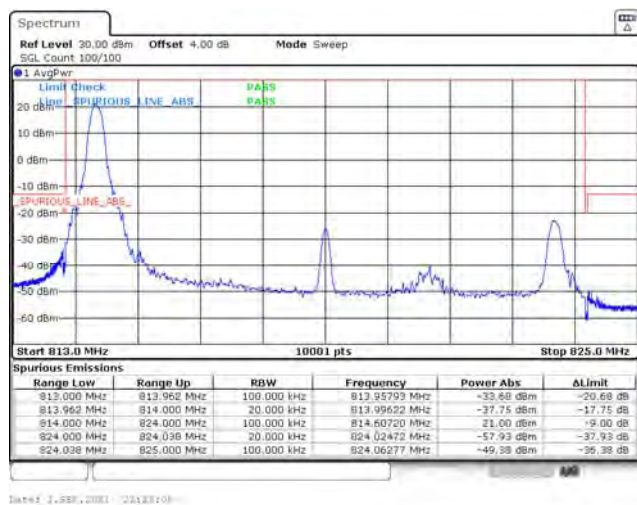
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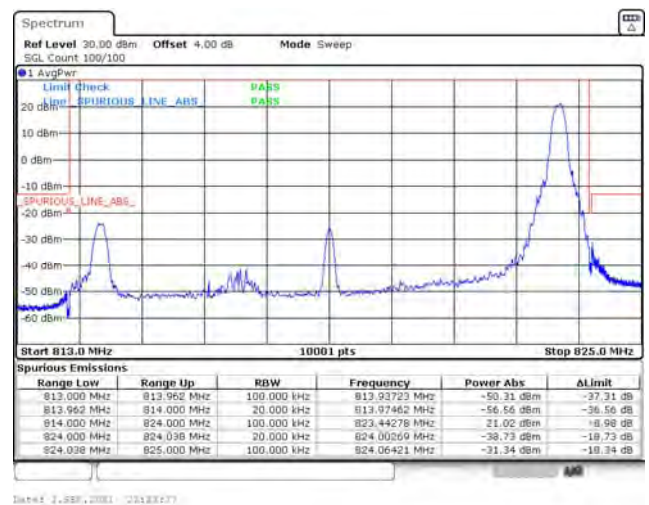
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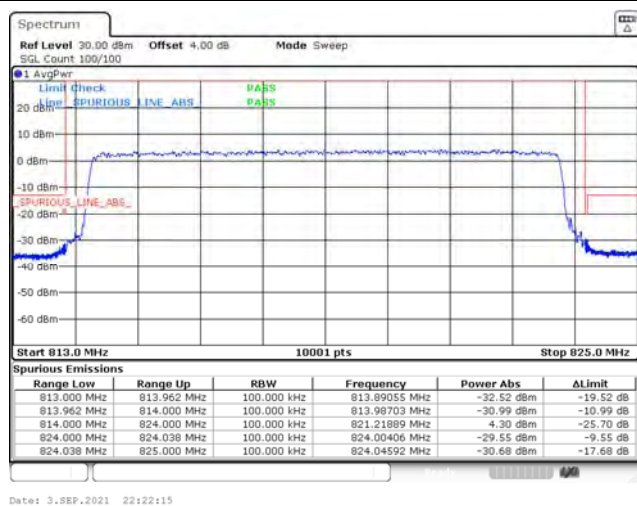
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LTE_B26_CH26740_10M_QPSK_1RB49



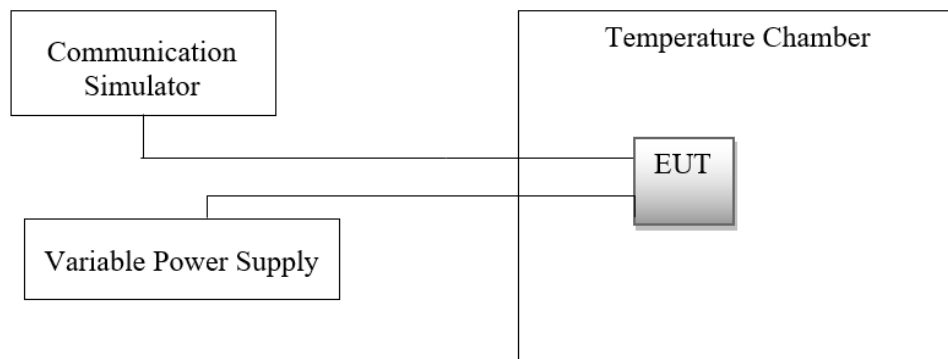
LTE_B26_CH26740_10M_QPSK_50RB0



N/A

8. Frequency Stability

8.1. Test Setup



8.2. Test Procedure

Frequency Stability under Temperature Variations:

The EUT under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a communication simulator. The EUT was placed inside the temperature chamber. Set the EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30 °C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

Frequency Stability under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC or DC power supply to power the EUT and set the voltage to rated voltage. Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

8.3. Test Methodology and Reference Procedures

KDB 971168 D01 Power Meas License Digital Systems v03r01

ANSI C63.26-2015

8.4. Test Result of Frequency Stability

Mode 1: LTE Band 2/25

LTE Band 25 _ 1850.7MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.87	0.0005
14.20	1.83	0.0010
10.20	1.82	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.45	0.0008
-30	0.87	0.0005
-20	2.15	0.0012
-10	1.27	0.0007
0	1.95	0.0011
10	1.06	0.0006
20	0.71	0.0004
30	1.67	0.0009
40	1.64	0.0009
50	0.27	0.0001
60	0.72	0.0004
70	2.09	0.0011
85	1.29	0.0007

LTE Band 25 _ 1882.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.04	0.0006
14.20	1.96	0.0010
10.20	0.48	0.0003

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.45	0.0008
-30	1.47	0.0008
-20	1.54	0.0008
-10	0.49	0.0003
0	0.26	0.0001
10	2.04	0.0011
20	1.10	0.0006
30	1.47	0.0008
40	2.03	0.0011
50	1.96	0.0010
60	0.86	0.0005
70	1.42	0.0008
85	1.04	0.0006

LTE Band 25 _ 1914.3MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.13	0.0011
14.20	2.54	0.0013
10.20	2.35	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.73	0.0014
-30	2.79	0.0015
-20	2.53	0.0013
-10	1.38	0.0007
0	0.80	0.0004
10	1.59	0.0008
20	2.78	0.0015
30	1.88	0.0010
40	1.79	0.0009
50	2.83	0.0015
60	1.89	0.0010
70	3.08	0.0016
85	2.30	0.0012

LTE Band 25 _ 1851.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.90	0.0005
14.20	1.88	0.0010
10.20	1.30	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.15	0.0006
-30	1.20	0.0006
-20	1.78	0.0010
-10	1.92	0.0010
0	2.06	0.0011
10	1.65	0.0009
20	1.83	0.0010
30	1.60	0.0009
40	1.33	0.0007
50	0.32	0.0002
60	1.19	0.0006
70	0.45	0.0002
85	1.02	0.0006

LTE Band 25 _ 1882.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.06	0.0011
14.20	1.97	0.0010
10.20	1.46	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.57	0.0003
-30	1.85	0.0010
-20	2.10	0.0011
-10	1.85	0.0010
0	1.09	0.0006
10	1.59	0.0008
20	1.68	0.0009
30	1.16	0.0006
40	2.00	0.0011
50	1.60	0.0008
60	1.29	0.0007
70	0.41	0.0002
85	1.37	0.0007

LTE Band 25 _ 1913.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.99	0.0010
14.20	2.23	0.0012
10.20	2.03	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.28	0.0012
-30	1.62	0.0008
-20	0.99	0.0005
-10	2.41	0.0013
0	2.15	0.0011
10	1.50	0.0008
20	1.71	0.0009
30	1.20	0.0006
40	1.74	0.0009
50	1.47	0.0008
60	2.05	0.0011
70	1.39	0.0007
85	0.84	0.0004

LTE Band 25 _ 1852.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.29	0.0007
14.20	2.04	0.0011
10.20	0.61	0.0003

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.98	0.0005
-30	1.37	0.0007
-20	1.77	0.0010
-10	1.41	0.0008
0	1.59	0.0009
10	2.53	0.0014
20	1.12	0.0006
30	0.88	0.0005
40	0.86	0.0005
50	0.89	0.0005
60	2.27	0.0012
70	2.24	0.0012
85	1.89	0.0010

LTE Band 25 _ 1882.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.93	0.0010
14.20	1.86	0.0010
10.20	1.21	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.16	0.0006
-30	1.76	0.0009
-20	1.66	0.0009
-10	0.94	0.0005
0	1.63	0.0009
10	1.58	0.0008
20	1.14	0.0006
30	1.07	0.0006
40	1.27	0.0007
50	2.02	0.0011
60	1.44	0.0008
70	1.54	0.0008
85	0.79	0.0004

LTE Band 25 _ 1912.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.26	0.0007
14.20	2.41	0.0013
10.20	1.66	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.64	0.0009
-30	1.13	0.0006
-20	1.68	0.0009
-10	1.42	0.0007
0	2.56	0.0013
10	1.72	0.0009
20	1.76	0.0009
30	2.41	0.0013
40	2.33	0.0012
50	1.64	0.0009
60	2.36	0.0012
70	1.90	0.0010
85	1.68	0.0009

LTE Band 25 _ 1855MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.44	0.0008
14.20	1.62	0.0009
10.20	0.48	0.0003

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.29	0.0007
-30	1.24	0.0007
-20	2.18	0.0012
-10	0.62	0.0003
0	1.58	0.0009
10	1.07	0.0006
20	1.35	0.0007
30	0.88	0.0005
40	1.17	0.0006
50	1.56	0.0008
60	1.17	0.0006
70	0.82	0.0004
85	1.98	0.0011

LTE Band 25 _ 1882.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.23	0.0007
14.20	1.91	0.0010
10.20	1.81	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.43	0.0008
-30	0.57	0.0003
-20	1.57	0.0008
-10	1.61	0.0009
0	1.78	0.0009
10	2.01	0.0011
20	1.21	0.0006
30	0.97	0.0005
40	1.31	0.0007
50	2.18	0.0012
60	1.70	0.0009
70	1.97	0.0010
85	1.55	0.0008

LTE Band 25 _ 1910MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.13	0.0006
14.20	2.69	0.0014
10.20	2.74	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.80	0.0015
-30	2.21	0.0012
-20	2.13	0.0011
-10	1.12	0.0006
0	3.10	0.0016
10	1.96	0.0010
20	1.96	0.0010
30	3.15	0.0016
40	2.60	0.0014
50	1.83	0.0010
60	1.46	0.0008
70	1.57	0.0008
85	1.28	0.0007

LTE Band 25 _ 1857.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.94	0.0005
14.20	1.78	0.0010
10.20	1.22	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.20	0.0006
-30	2.21	0.0012
-20	2.26	0.0012
-10	0.34	0.0002
0	1.83	0.0010
10	1.66	0.0009
20	0.49	0.0003
30	1.29	0.0007
40	1.66	0.0009
50	1.72	0.0009
60	2.31	0.0012
70	0.72	0.0004
85	0.94	0.0005

LTE Band 25 _ 1882.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.54	0.0003
14.20	1.64	0.0009
10.20	0.64	0.0003

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.47	0.0008
-30	1.56	0.0008
-20	1.42	0.0008
-10	0.96	0.0005
0	1.41	0.0007
10	1.70	0.0009
20	1.39	0.0007
30	0.72	0.0004
40	2.27	0.0012
50	1.13	0.0006
60	1.37	0.0007
70	1.58	0.0008
85	2.36	0.0013

LTE Band 25 _ 1907.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.59	0.0003
14.20	2.11	0.0011
10.20	1.59	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.89	0.0015
-30	0.96	0.0005
-20	1.88	0.0010
-10	1.84	0.0010
0	2.13	0.0011
10	1.76	0.0009
20	1.42	0.0007
30	1.21	0.0006
40	1.92	0.0010
50	2.33	0.0012
60	2.46	0.0013
70	0.74	0.0004
85	2.19	0.0011

LTE Band 25 _ 1860MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.75	0.0009
14.20	2.22	0.0012
10.20	1.82	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.91	0.0010
-30	2.02	0.0011
-20	1.60	0.0009
-10	2.44	0.0013
0	2.79	0.0015
10	2.66	0.0014
20	0.85	0.0005
30	2.02	0.0011
40	2.33	0.0013
50	1.75	0.0009
60	2.18	0.0012
70	2.21	0.0012
85	2.61	0.0014

LTE Band 25 _ 1882.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.62	0.0009
14.20	1.98	0.0011
10.20	1.17	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.16	0.0006
-30	0.49	0.0003
-20	0.81	0.0004
-10	1.89	0.0010
0	1.28	0.0007
10	1.67	0.0009
20	0.97	0.0005
30	1.69	0.0009
40	1.90	0.0010
50	1.61	0.0009
60	2.50	0.0013
70	1.75	0.0009
85	0.63	0.0003

LTE Band 25 _ 1905 MHz

Voltage (Vdc)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.82	0.0010
14.20	2.36	0.0012
10.20	1.17	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.23	0.0006
-30	1.87	0.0010
-20	2.12	0.0011
-10	1.65	0.0009
0	1.89	0.0010
10	1.26	0.0007
20	2.80	0.0015
30	1.15	0.0006
40	1.77	0.0009
50	2.20	0.0012
60	2.34	0.0012
70	1.38	0.0007
85	1.96	0.0010

Mode 2: LTE Band 4**LTE Band 4 _ 1710.7MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.06	0.0006
14.20	1.71	0.0010
10.20	1.45	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.74	0.0004
-30	1.85	0.0011
-20	1.10	0.0006
-10	1.25	0.0007
0	1.16	0.0007
10	1.22	0.0007
20	2.17	0.0013
30	1.04	0.0006
40	1.93	0.0011
50	0.68	0.0004
60	0.99	0.0006
70	0.68	0.0004
85	1.21	0.0007

LTE Band 4 _ 1732.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.51	0.0014
14.20	2.62	0.0015
10.20	1.88	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.78	0.0016
-30	2.52	0.0015
-20	1.90	0.0011
-10	2.67	0.0015
0	2.15	0.0012
10	2.12	0.0012
20	0.97	0.0006
30	2.03	0.0012
40	1.75	0.0010
50	1.14	0.0007
60	2.12	0.0012
70	1.66	0.0010
85	2.99	0.0017

LTE Band 4 _ 1754.3MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.74	0.0016
14.20	2.18	0.0012
10.20	1.52	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.48	0.0014
-30	2.01	0.0011
-20	1.69	0.0010
-10	1.11	0.0006
0	2.55	0.0015
10	1.38	0.0008
20	2.77	0.0016
30	0.81	0.0005
40	0.94	0.0005
50	2.10	0.0012
60	2.52	0.0014
70	2.10	0.0012
85	0.80	0.0005

LTE Band 4 _ 1711.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.69	0.0004
14.20	1.51	0.0009
10.20	1.26	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.94	0.0011
-30	1.16	0.0007
-20	0.90	0.0005
-10	0.85	0.0005
0	0.82	0.0005
10	0.68	0.0004
20	1.21	0.0007
30	1.02	0.0006
40	0.38	0.0002
50	0.63	0.0004
60	1.41	0.0008
70	1.36	0.0008
85	1.33	0.0008

LTE Band 4 _ 1732.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.47	0.0008
14.20	1.67	0.0010
10.20	0.87	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.30	0.0008
-30	-0.06	0.0000
-20	0.93	0.0005
-10	0.32	0.0002
0	0.32	0.0002
10	0.42	0.0002
20	0.70	0.0004
30	1.27	0.0007
40	1.82	0.0011
50	0.27	0.0002
60	0.29	0.0002
70	1.92	0.0011
85	2.04	0.0012

LTE Band 4 _ 1753.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.40	0.0008
14.20	1.46	0.0008
10.20	0.89	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.82	0.0005
-30	1.21	0.0007
-20	0.55	0.0003
-10	1.22	0.0007
0	0.78	0.0004
10	1.53	0.0009
20	0.95	0.0005
30	1.87	0.0011
40	1.31	0.0007
50	0.82	0.0005
60	1.17	0.0007
70	1.32	0.0008
85	1.05	0.0006

LTE Band 4 _ 1712.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.04	0.0006
14.20	1.51	0.0009
10.20	0.25	0.0001

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.61	0.0004
-30	1.00	0.0006
-20	0.57	0.0003
-10	1.47	0.0009
0	1.50	0.0009
10	1.25	0.0007
20	0.33	0.0002
30	0.76	0.0004
40	1.50	0.0009
50	1.47	0.0009
60	0.65	0.0004
70	1.02	0.0006
85	-0.30	-0.0002

LTE Band 4 _ 1732.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.74	0.0010
14.20	1.72	0.0010
10.20	1.45	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.21	0.0007
-30	1.11	0.0006
-20	0.42	0.0002
-10	0.64	0.0004
0	0.17	0.0001
10	1.10	0.0006
20	1.04	0.0006
30	0.93	0.0005
40	1.30	0.0008
50	0.67	0.0004
60	1.05	0.0006
70	2.08	0.0012
85	1.46	0.0008

LTE Band 4 _ 1752.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.09	0.0012
14.20	1.89	0.0011
10.20	1.46	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.65	0.0015
-30	1.94	0.0011
-20	1.36	0.0008
-10	1.60	0.0009
0	1.56	0.0009
10	1.80	0.0010
20	1.69	0.0010
30	1.30	0.0007
40	0.58	0.0003
50	0.58	0.0003
60	1.67	0.0010
70	1.81	0.0010
85	1.09	0.0006

LTE Band 4 _ 1715MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.89	0.0005
14.20	1.43	0.0008
10.20	0.70	0.0004

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.32	0.0008
-30	1.00	0.0006
-20	0.86	0.0005
-10	1.15	0.0007
0	0.06	0.0000
10	0.61	0.0004
20	0.63	0.0004
30	1.24	0.0007
40	0.69	0.0004
50	0.42	0.0002
60	0.75	0.0004
70	0.99	0.0006
85	1.00	0.0006

LTE Band 4 _ 1732.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.13	0.0012
14.20	2.75	0.0016
10.20	2.56	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.90	0.0017
-30	1.65	0.0010
-20	3.08	0.0018
-10	2.09	0.0012
0	2.99	0.0017
10	2.14	0.0012
20	2.32	0.0013
30	1.54	0.0009
40	1.93	0.0011
50	2.28	0.0013
60	1.81	0.0010
70	2.56	0.0015
85	1.38	0.0008

LTE Band 4 _ 1750MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.01	0.0006
14.20	1.49	0.0009
10.20	1.86	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.26	0.0007
-30	1.59	0.0009
-20	1.91	0.0011
-10	1.31	0.0007
0	0.49	0.0003
10	2.10	0.0012
20	1.01	0.0006
30	0.59	0.0003
40	0.81	0.0005
50	0.91	0.0005
60	1.00	0.0006
70	1.37	0.0008
85	1.66	0.0009

LTE Band 4 _ 1717.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.17	0.0007
14.20	2.01	0.0012
10.20	2.15	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.04	0.0012
-30	1.53	0.0009
-20	1.23	0.0007
-10	1.96	0.0011
0	1.63	0.0009
10	1.25	0.0007
20	2.24	0.0013
30	1.12	0.0007
40	1.39	0.0008
50	0.98	0.0006
60	1.45	0.0008
70	1.84	0.0011
85	1.72	0.0010

LTE Band 4 _ 1732.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.62	0.0009
14.20	2.43	0.0014
10.20	2.30	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.21	0.0013
-30	1.48	0.0009
-20	2.57	0.0015
-10	2.13	0.0012
0	2.34	0.0014
10	2.32	0.0013
20	3.19	0.0018
30	2.66	0.0015
40	2.18	0.0013
50	1.81	0.0010
60	3.16	0.0018
70	1.23	0.0007
85	2.58	0.0015

LTE Band 4 _ 1747.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.34	0.0013
14.20	2.36	0.0014
10.20	1.41	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.34	0.0008
-30	1.74	0.0010
-20	1.75	0.0010
-10	2.30	0.0013
0	2.23	0.0013
10	1.12	0.0006
20	1.83	0.0010
30	1.55	0.0009
40	2.25	0.0013
50	2.31	0.0013
60	1.35	0.0008
70	1.44	0.0008
85	1.93	0.0011

LTE Band 4 _ 1720MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.90	0.0005
14.20	1.49	0.0009
10.20	0.57	0.0003

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.63	0.0009
-30	1.54	0.0009
-20	1.12	0.0007
-10	0.64	0.0004
0	1.15	0.0007
10	0.92	0.0005
20	2.21	0.0013
30	0.81	0.0005
40	1.09	0.0006
50	-0.05	0.0000
60	1.42	0.0008
70	1.40	0.0008
85	0.70	0.0004

LTE Band 4 _ 1732.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.19	0.0013
14.20	2.13	0.0012
10.20	2.14	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.75	0.0004
-30	2.12	0.0012
-20	2.09	0.0012
-10	1.09	0.0006
0	1.46	0.0008
10	2.21	0.0013
20	1.52	0.0009
30	1.57	0.0009
40	1.58	0.0009
50	2.01	0.0012
60	1.23	0.0007
70	2.22	0.0013
85	2.55	0.0015

LTE Band 4 _ 1745MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.04	0.0006
14.20	1.87	0.0011
10.20	1.81	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.12	0.0006
-30	0.57	0.0003
-20	1.15	0.0007
-10	1.21	0.0007
0	1.14	0.0007
10	1.01	0.0006
20	0.81	0.0005
30	1.28	0.0007
40	1.63	0.0009
50	1.85	0.0011
60	1.76	0.0010
70	1.76	0.0010
85	1.65	0.0009

Mode 3: LTE Band 5/26 (Part 22)**LTE Band 26 _ 824.7MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.43	0.0005
14.20	1.65	0.0020
10.20	0.78	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.08	0.0013
-30	1.58	0.0019
-20	1.01	0.0012
-10	2.12	0.0026
0	1.51	0.0018
10	1.49	0.0018
20	1.16	0.0014
30	1.54	0.0019
40	1.06	0.0013
50	1.76	0.0021
60	1.32	0.0016
70	1.83	0.0022
85	1.23	0.0015

LTE Band 26 _ 836.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.24	0.0015
14.20	1.82	0.0022
10.20	1.50	0.0018

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.62	0.0019
-30	1.42	0.0017
-20	1.53	0.0018
-10	1.63	0.0019
0	2.01	0.0024
10	1.49	0.0018
20	0.46	0.0005
30	1.98	0.0024
40	1.43	0.0017
50	1.61	0.0019
60	1.24	0.0015
70	0.73	0.0009
85	0.58	0.0007

LTE Band 26 _ 848.3MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.18	0.0026
14.20	2.26	0.0027
10.20	1.31	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.36	0.0016
-30	1.15	0.0014
-20	1.62	0.0019
-10	1.27	0.0015
0	2.34	0.0028
10	1.92	0.0023
20	1.79	0.0021
30	1.79	0.0021
40	1.97	0.0023
50	1.60	0.0019
60	1.90	0.0022
70	1.34	0.0016
85	1.90	0.0022

LTE Band 26 _ 825.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.67	0.0020
14.20	1.38	0.0017
10.20	0.77	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.52	0.0018
-30	0.92	0.0011
-20	0.67	0.0008
-10	0.68	0.0008
0	0.32	0.0004
10	0.42	0.0005
20	1.26	0.0015
30	1.23	0.0015
40	0.53	0.0006
50	0.33	0.0004
60	2.29	0.0028
70	0.98	0.0012
85	-0.31	-0.0004

LTE Band 26 _ 836.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	3.21	0.0038
14.20	2.49	0.0030
10.20	1.36	0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.73	0.0021
-30	1.84	0.0022
-20	2.51	0.0030
-10	1.53	0.0018
0	2.37	0.0028
10	1.50	0.0018
20	1.63	0.0019
30	2.42	0.0029
40	1.63	0.0019
50	1.77	0.0021
60	2.65	0.0032
70	1.62	0.0019
85	3.08	0.0037

LTE Band 26 _ 847.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.16	0.0025
14.20	2.29	0.0027
10.20	2.02	0.0024

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.18	0.0026
-30	1.57	0.0019
-20	1.70	0.0020
-10	1.10	0.0013
0	2.02	0.0024
10	2.83	0.0033
20	1.99	0.0023
30	2.05	0.0024
40	1.92	0.0023
50	2.40	0.0028
60	1.63	0.0019
70	1.17	0.0014
85	1.57	0.0019

LTE Band 26 _ 826.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.90	0.0011
14.20	1.38	0.0017
10.20	1.39	0.0017

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.40	0.0005
-30	1.39	0.0017
-20	0.22	0.0003
-10	1.51	0.0018
0	0.04	0.0000
10	1.07	0.0013
20	0.79	0.0010
30	2.16	0.0026
40	0.39	0.0005
50	0.59	0.0007
60	0.70	0.0008
70	1.36	0.0016
85	-0.10	-0.0001

LTE Band 26 _ 836.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.94	0.0023
14.20	1.94	0.0023
10.20	0.80	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.93	0.0023
-30	2.00	0.0024
-20	1.36	0.0016
-10	1.83	0.0022
0	0.85	0.0010
10	0.79	0.0009
20	1.57	0.0019
30	1.17	0.0014
40	1.17	0.0014
50	1.15	0.0014
60	1.33	0.0016
70	1.11	0.0013
85	1.50	0.0018

LTE Band 26 _ 846.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.83	0.0010
14.20	2.07	0.0024
10.20	2.11	0.0025

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.50	0.0018
-30	1.66	0.0020
-20	2.19	0.0026
-10	2.85	0.0034
0	1.13	0.0013
10	1.07	0.0013
20	2.11	0.0025
30	1.34	0.0016
40	1.39	0.0016
50	1.59	0.0019
60	1.08	0.0013
70	1.70	0.0020
85	1.09	0.0013

LTE Band 26 _ 829MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.75	0.0009
14.20	1.66	0.0020
10.20	1.27	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.74	0.0009
-30	1.33	0.0016
-20	1.61	0.0019
-10	1.11	0.0013
0	0.75	0.0009
10	0.78	0.0009
20	1.00	0.0012
30	1.18	0.0014
40	1.13	0.0014
50	0.32	0.0004
60	1.53	0.0018
70	0.26	0.0003
85	2.43	0.0029

LTE Band 26 _ 836.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.92	0.0011
14.20	1.58	0.0019
10.20	0.38	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.79	0.0009
-30	0.91	0.0011
-20	0.74	0.0009
-10	1.29	0.0015
0	1.11	0.0013
10	0.65	0.0008
20	0.66	0.0008
30	1.59	0.0019
40	1.35	0.0016
50	-0.10	-0.0001
60	1.10	0.0013
70	0.17	0.0002
85	0.47	0.0006

LTE Band 26 _ 844MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.42	0.0029
14.20	2.36	0.0028
10.20	1.90	0.0023

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.00	0.0024
-30	1.50	0.0018
-20	1.82	0.0022
-10	1.67	0.0020
0	2.06	0.0024
10	1.99	0.0024
20	1.57	0.0019
30	1.97	0.0023
40	2.23	0.0026
50	1.26	0.0015
60	1.42	0.0017
70	1.63	0.0019
85	1.80	0.0021

LTE Band 26 _ 831.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.43	0.0017
14.20	1.82	0.0022
10.20	1.34	0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.11	0.0013
-30	0.48	0.0006
-20	0.82	0.0010
-10	0.70	0.0008
0	1.53	0.0018
10	1.76	0.0021
20	1.53	0.0018
30	1.24	0.0015
40	1.40	0.0017
50	2.10	0.0025
60	1.27	0.0015
70	0.16	0.0002
85	2.25	0.0027

LTE Band 26 _ 836.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	3.09	0.0037
14.20	2.88	0.0034
10.20	2.53	0.0030

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.56	0.0031
-30	2.92	0.0035
-20	2.55	0.0030
-10	2.77	0.0033
0	2.01	0.0024
10	2.60	0.0031
20	2.92	0.0035
30	2.76	0.0033
40	2.20	0.0026
50	1.50	0.0018
60	2.64	0.0032
70	2.71	0.0032
85	2.48	0.0030

LTE Band 26 _ 841.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.52	0.0030
14.20	2.71	0.0032
10.20	1.47	0.0017

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.89	0.0022
-30	3.39	0.0040
-20	1.93	0.0023
-10	2.37	0.0028
0	2.41	0.0029
10	2.74	0.0033
20	3.15	0.0037
30	1.99	0.0024
40	1.88	0.0022
50	1.95	0.0023
60	2.16	0.0026
70	2.60	0.0031
85	2.86	0.0034

Mode 4: LTE Band 12**LTE Band 12 _ 699.7MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.02	0.0029
14.20	1.90	0.0027
10.20	1.83	0.0026

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.93	0.0028
-30	0.80	0.0011
-20	1.05	0.0015
-10	1.94	0.0028
0	1.49	0.0021
10	1.43	0.0020
20	1.23	0.0018
30	0.87	0.0012
40	2.08	0.0030
50	0.56	0.0008
60	1.15	0.0016
70	1.21	0.0017
85	1.17	0.0017

LTE Band 12 _ 707.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.51	0.0021
14.20	1.88	0.0027
10.20	1.10	0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.38	0.0020
-30	1.42	0.0020
-20	1.68	0.0024
-10	1.39	0.0020
0	1.75	0.0025
10	1.98	0.0028
20	1.33	0.0019
30	0.67	0.0009
40	1.23	0.0017
50	1.74	0.0025
60	1.31	0.0019
70	1.56	0.0022
85	1.80	0.0025

LTE Band 12 _ 715.3MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.18	0.0030
14.20	2.17	0.0030
10.20	1.91	0.0027

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.28	0.0018
-30	1.56	0.0022
-20	1.50	0.0021
-10	1.32	0.0018
0	1.99	0.0028
10	1.98	0.0028
20	1.85	0.0026
30	1.98	0.0028
40	1.67	0.0023
50	1.72	0.0024
60	1.47	0.0021
70	0.82	0.0011
85	1.32	0.0018

LTE Band 12 _ 700.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.19	0.0017
14.20	1.26	0.0018
10.20	-0.15	-0.0002

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.52	0.0007
-30	0.60	0.0009
-20	1.26	0.0018
-10	1.13	0.0016
0	0.25	0.0004
10	1.09	0.0016
20	0.47	0.0007
30	1.07	0.0015
40	0.48	0.0007
50	0.16	0.0002
60	-0.30	-0.0004
70	1.28	0.0018
85	0.59	0.0008

LTE Band 12 _ 707.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.44	0.0020
14.20	1.92	0.0027
10.20	1.64	0.0023

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.32	0.0019
-30	1.66	0.0023
-20	1.41	0.0020
-10	0.78	0.0011
0	1.98	0.0028
10	1.50	0.0021
20	1.28	0.0018
30	1.90	0.0027
40	1.89	0.0027
50	1.99	0.0028
60	1.03	0.0015
70	0.83	0.0012
85	2.30	0.0033

LTE Band 12 _ 714.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.47	0.0021
14.20	2.15	0.0030
10.20	0.95	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.92	0.0027
-30	0.69	0.0010
-20	1.87	0.0026
-10	1.87	0.0026
0	2.78	0.0039
10	1.48	0.0021
20	2.41	0.0034
30	1.34	0.0019
40	1.37	0.0019
50	2.15	0.0030
60	0.68	0.0010
70	2.00	0.0028
85	1.79	0.0025

LTE Band 12 _ 701.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.52	0.0022
14.20	1.61	0.0023
10.20	0.57	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.24	0.0018
-30	2.02	0.0029
-20	0.84	0.0012
-10	-0.08	-0.0001
0	0.97	0.0014
10	1.31	0.0019
20	0.75	0.0011
30	0.90	0.0013
40	1.52	0.0022
50	0.86	0.0012
60	2.24	0.0032
70	1.19	0.0017
85	1.38	0.0020

LTE Band 12 _ 707.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.28	0.0018
14.20	2.17	0.0031
10.20	1.38	0.0020

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.87	0.0026
-30	1.12	0.0016
-20	1.51	0.0021
-10	2.77	0.0039
0	1.29	0.0018
10	2.41	0.0034
20	1.68	0.0024
30	1.90	0.0027
40	2.38	0.0034
50	1.90	0.0027
60	2.28	0.0032
70	1.29	0.0018
85	1.46	0.0021

LTE Band 12 _ 713.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.58	0.0036
14.20	2.46	0.0034
10.20	1.99	0.0028

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.85	0.0012
-30	2.03	0.0028
-20	2.29	0.0032
-10	2.65	0.0037
0	2.74	0.0038
10	1.74	0.0024
20	1.71	0.0024
30	1.39	0.0019
40	1.44	0.0020
50	1.84	0.0026
60	1.76	0.0025
70	1.85	0.0026
85	2.45	0.0034

LTE Band 12 _ 704MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.02	0.0029
14.20	2.35	0.0033
10.20	2.07	0.0029

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.09	0.0030
-30	2.03	0.0029
-20	1.38	0.0020
-10	1.52	0.0022
0	2.41	0.0034
10	1.78	0.0025
20	2.53	0.0036
30	1.73	0.0025
40	2.10	0.0030
50	2.27	0.0032
60	2.60	0.0037
70	2.34	0.0033
85	2.19	0.0031

LTE Band 12 _ 707.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.64	0.0023
14.20	2.18	0.0031
10.20	1.82	0.0026

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.10	0.0030
-30	0.71	0.0010
-20	1.02	0.0014
-10	0.86	0.0012
0	2.25	0.0032
10	2.13	0.0030
20	2.13	0.0030
30	2.00	0.0028
40	1.47	0.0021
50	0.94	0.0013
60	2.65	0.0037
70	2.27	0.0032
85	0.73	0.0010

LTE Band 12 _ 711MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.29	0.0032
14.20	2.81	0.0040
10.20	2.70	0.0038

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.95	0.0027
-30	1.90	0.0027
-20	2.14	0.0030
-10	2.18	0.0031
0	2.70	0.0038
10	2.49	0.0035
20	1.63	0.0023
30	1.60	0.0023
40	2.14	0.0030
50	2.98	0.0042
60	2.43	0.0034
70	3.18	0.0045
85	3.54	0.0050

Mode 5: LTE Band 13**LTE Band 13 _ 779.5MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.50	0.0019
14.20	2.79	0.0036
10.20	1.78	0.0023

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.30	0.0030
-30	2.11	0.0027
-20	1.96	0.0025
-10	2.14	0.0027
0	2.97	0.0038
10	3.16	0.0041
20	2.46	0.0032
30	2.79	0.0036
40	1.60	0.0021
50	2.63	0.0034
60	2.20	0.0028
70	2.14	0.0027
85	1.90	0.0024

LTE Band 13 _ 782MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.72	0.0022
14.20	2.35	0.0030
10.20	1.69	0.0022

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.28	0.0029
-30	1.42	0.0018
-20	1.38	0.0018
-10	2.55	0.0033
0	1.36	0.0017
10	1.44	0.0018
20	2.10	0.0027
30	0.95	0.0012
40	1.38	0.0018
50	2.45	0.0031
60	2.49	0.0032
70	2.20	0.0028
85	2.38	0.0030

LTE Band 13 _ 784.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.95	0.0012
14.20	1.99	0.0025
10.20	0.55	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.95	0.0025
-30	1.50	0.0019
-20	0.85	0.0011
-10	1.54	0.0020
0	0.94	0.0012
10	1.56	0.0020
20	1.53	0.0020
30	2.26	0.0029
40	2.31	0.0029
50	1.52	0.0019
60	1.76	0.0022
70	1.99	0.0025
85	1.28	0.0016

LTE Band 13 _ 782MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.35	0.0017
14.20	2.44	0.0031
10.20	2.24	0.0029

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.55	0.0033
-30	2.43	0.0031
-20	1.80	0.0023
-10	2.33	0.0030
0	1.41	0.0018
10	2.42	0.0031
20	2.21	0.0028
30	1.87	0.0024
40	1.39	0.0018
50	1.95	0.0025
60	2.52	0.0032
70	1.25	0.0016
85	2.15	0.0027

Mode 6: LTE Band 26 (Part 90)**LTE Band 26 _ 814.7MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.84	0.0010
14.20	1.49	0.0018
10.20	0.02	0.0000

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.66	0.0008
-30	1.44	0.0018
-20	0.29	0.0004
-10	1.81	0.0022
0	0.55	0.0007
10	0.32	0.0004
20	0.47	0.0006
30	1.44	0.0018
40	1.89	0.0023
50	1.43	0.0018
60	1.55	0.0019
70	1.64	0.0020
85	0.71	0.0009

LTE Band 26 _ 819MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.08	0.0013
14.20	1.56	0.0019
10.20	2.45	0.0030

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.68	0.0008
-30	1.58	0.0019
-20	1.74	0.0021
-10	0.30	0.0004
0	1.58	0.0019
10	0.57	0.0007
20	1.44	0.0018
30	0.48	0.0006
40	0.89	0.0011
50	0.57	0.0007
60	0.67	0.0008
70	1.60	0.0020
85	0.19	0.0002

LTE Band 26 _ 823.3MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.30	0.0016
14.20	1.41	0.0017
10.20	0.19	0.0002

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.74	0.0021
-30	0.56	0.0007
-20	1.95	0.0024
-10	0.22	0.0003
0	1.02	0.0012
10	0.67	0.0008
20	0.82	0.0010
30	0.76	0.0009
40	1.24	0.0015
50	1.22	0.0015
60	1.58	0.0019
70	0.62	0.0008
85	1.66	0.0020

LTE Band 26 _ 815.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.05	0.0013
14.20	1.73	0.0021
10.20	1.60	0.0020

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.76	0.0022
-30	1.17	0.0014
-20	1.43	0.0018
-10	1.12	0.0014
0	0.70	0.0009
10	1.35	0.0017
20	1.09	0.0013
30	1.02	0.0013
40	0.52	0.0006
50	1.30	0.0016
60	1.32	0.0016
70	1.27	0.0016
85	0.10	0.0001

LTE Band 26 _ 819MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.99	0.0012
14.20	1.96	0.0024
10.20	1.65	0.0020

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.94	0.0011
-30	2.08	0.0025
-20	1.48	0.0018
-10	1.68	0.0021
0	1.39	0.0017
10	1.51	0.0018
20	1.10	0.0013
30	2.11	0.0026
40	2.05	0.0025
50	1.70	0.0021
60	1.96	0.0024
70	1.21	0.0015
85	1.27	0.0016

LTE Band 26 _ 822.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.67	0.0020
14.20	2.51	0.0031
10.20	0.90	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.35	0.0029
-30	1.93	0.0023
-20	2.48	0.0030
-10	1.86	0.0023
0	2.46	0.0030
10	2.45	0.0030
20	3.20	0.0039
30	2.13	0.0026
40	3.02	0.0037
50	1.95	0.0024
60	0.89	0.0011
70	1.32	0.0016
85	1.91	0.0023

LTE Band 26 _ 816.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.58	0.0019
14.20	1.48	0.0018
10.20	1.00	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.98	0.0012
-30	0.93	0.0011
-20	-0.24	-0.0003
-10	1.61	0.0020
0	0.66	0.0008
10	1.52	0.0019
20	1.08	0.0013
30	1.42	0.0017
40	1.04	0.0013
50	1.34	0.0016
60	1.70	0.0021
70	0.08	0.0001
85	1.20	0.0015

LTE Band 26 _ 819MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.65	0.0008
14.20	1.66	0.0020
10.20	1.54	0.0019

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.66	0.0020
-30	1.11	0.0014
-20	0.95	0.0012
-10	-0.12	-0.0001
0	1.49	0.0018
10	1.47	0.0018
20	1.60	0.0020
30	1.39	0.0017
40	2.08	0.0025
50	1.35	0.0016
60	1.24	0.0015
70	2.54	0.0031
85	1.15	0.0014

LTE Band 26 _ 821.5MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.31	0.0016
14.20	1.93	0.0023
10.20	1.25	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.79	0.0010
-30	0.96	0.0012
-20	1.27	0.0015
-10	0.30	0.0004
0	2.02	0.0025
10	1.76	0.0021
20	1.83	0.0022
30	1.09	0.0013
40	1.65	0.0020
50	1.18	0.0014
60	1.49	0.0018
70	1.02	0.0012
85	1.37	0.0017

LTE Band 26 _ 819MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.11	0.0014
14.20	1.93	0.0024
10.20	1.87	0.0023

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.26	0.0015
-30	1.61	0.0020
-20	1.14	0.0014
-10	2.18	0.0027
0	0.94	0.0011
10	1.24	0.0015
20	0.50	0.0006
30	0.59	0.0007
40	1.96	0.0024
50	1.63	0.0020
60	0.92	0.0011
70	1.68	0.0021
85	2.29	0.0028