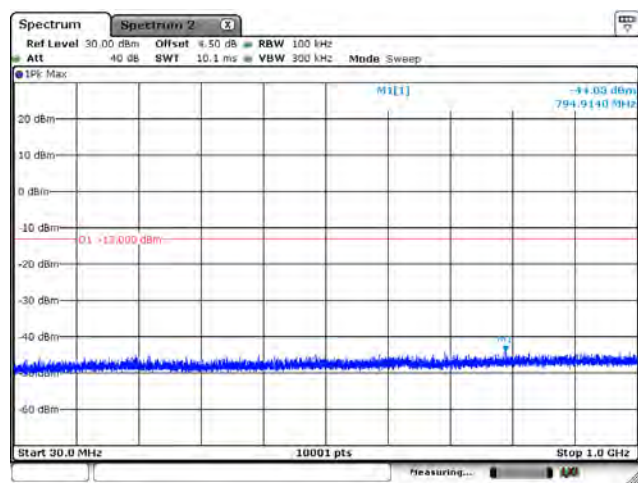
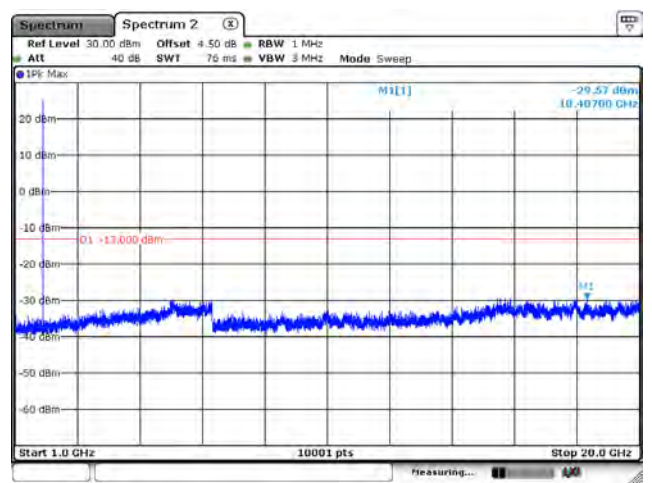


B2_CH18700_20M_1RB0_QPSK_Below 1G



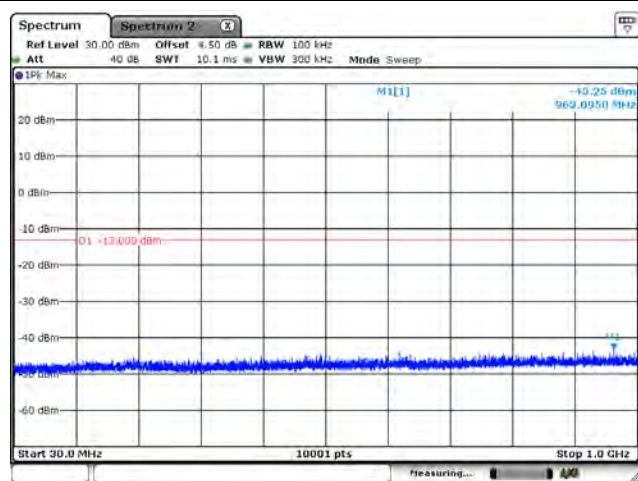
Date: 24 DEC 2021 13:43:23

B2_CH18700_20M_1RB0_QPSK_Above 1G



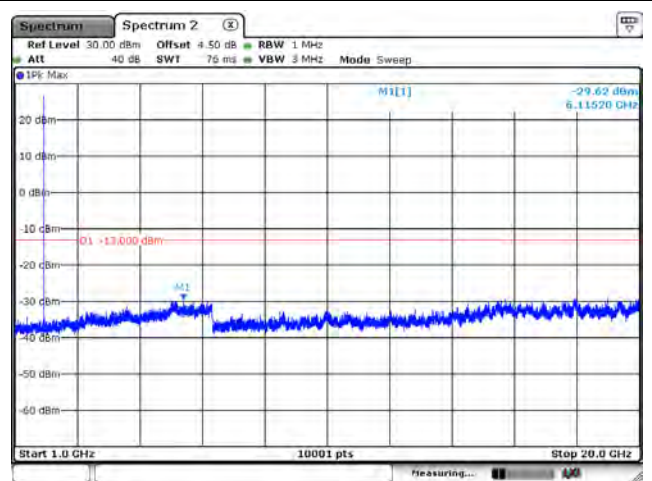
Date: 20 JAN 2022 12:17:59

B2_CH18900_20M_1RB0_QPSK_Below 1G



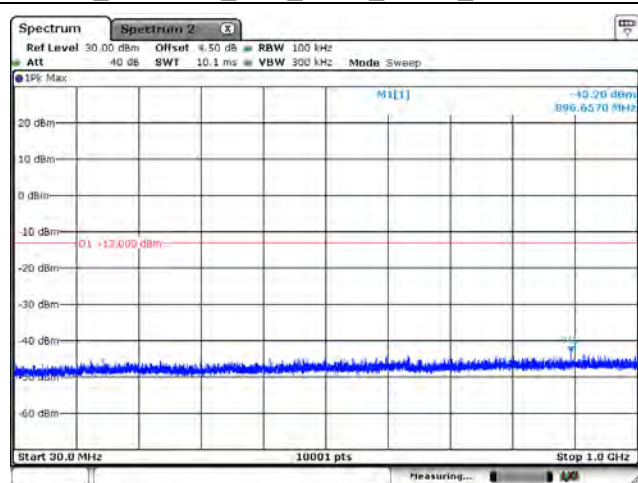
Date: 24 DEC 2021 13:44:11

B2_CH18900_20M_1RB0_QPSK_Above 1G



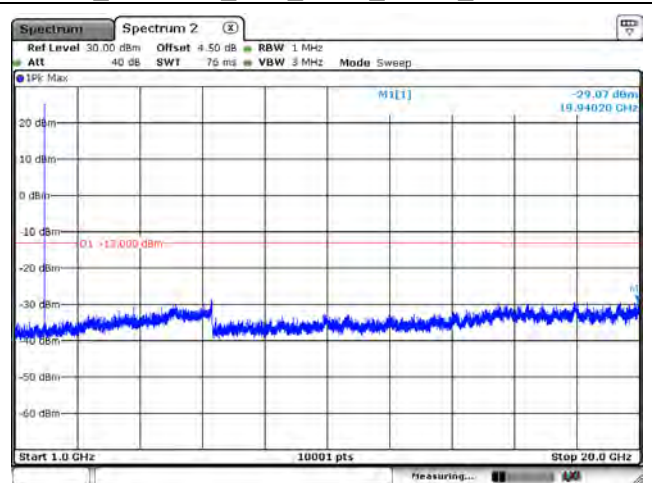
Date: 20 JAN 2022 12:17:21

B2_CH19100_20M_1RB0_QPSK_Below 1G



Date: 24 DEC 2021 13:46:11

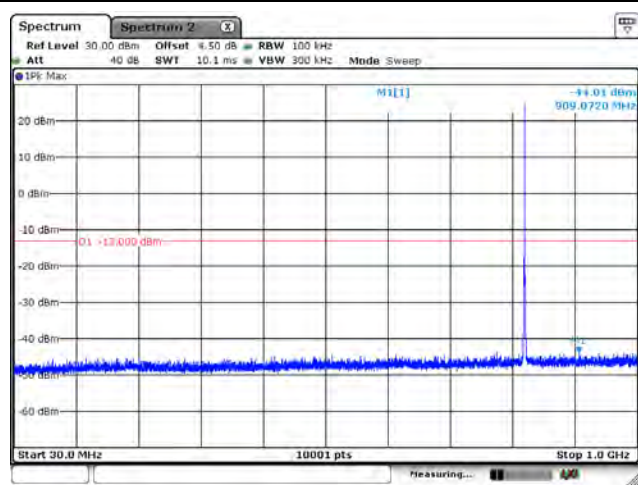
B2_CH19100_20M_1RB0_QPSK_Above 1G



Date: 20 JAN 2022 12:17:35

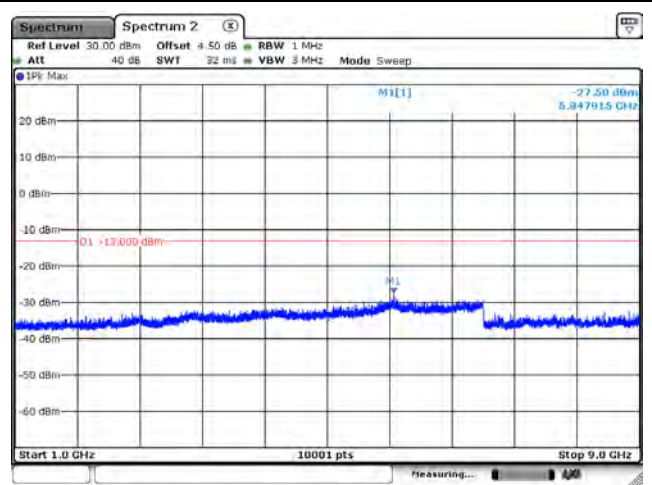
Mode 2: LTE Band 5

B5_CH20407_1.4M_1RB0_QPSK_Below 1G



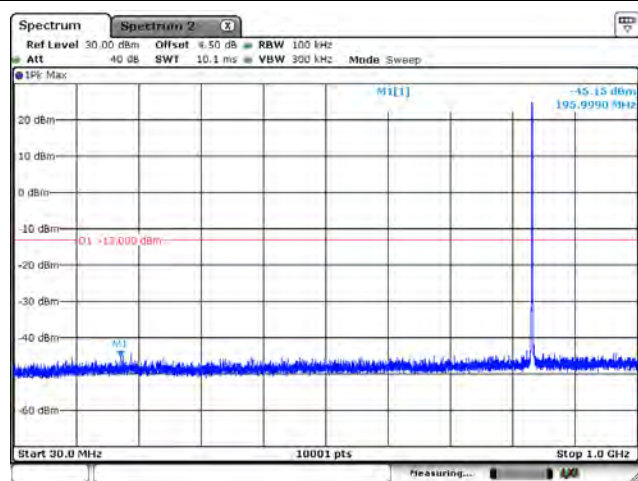
Date: 24 DEC 2021 09:21:12

B5_CH20407_1.4M_1RB0_QPSK_Above 1G



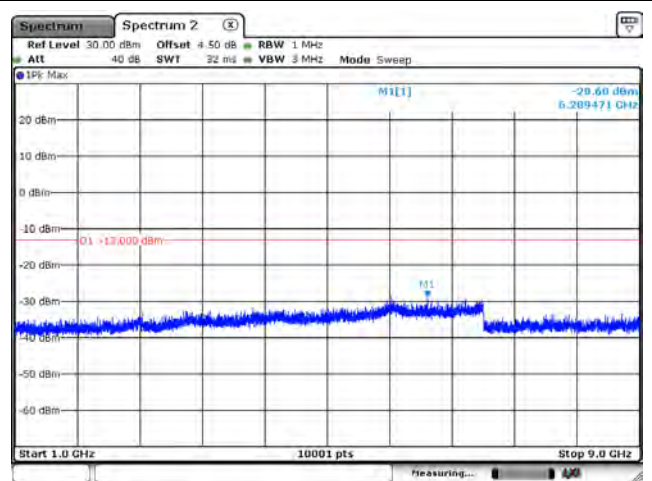
Date: 20 JAN 2022 09:03:00

B5_CH20525_1.4M_1RB0_QPSK_Below 1G



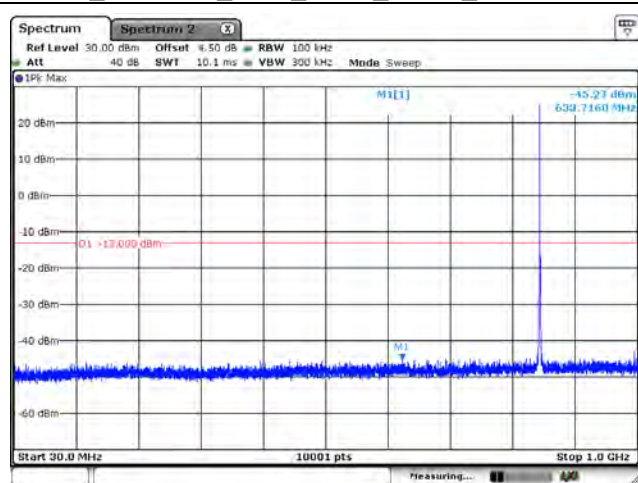
Date: 24 DEC 2021 09:23:09

B5_CH20525_1.4M_1RB0_QPSK_Above 1G



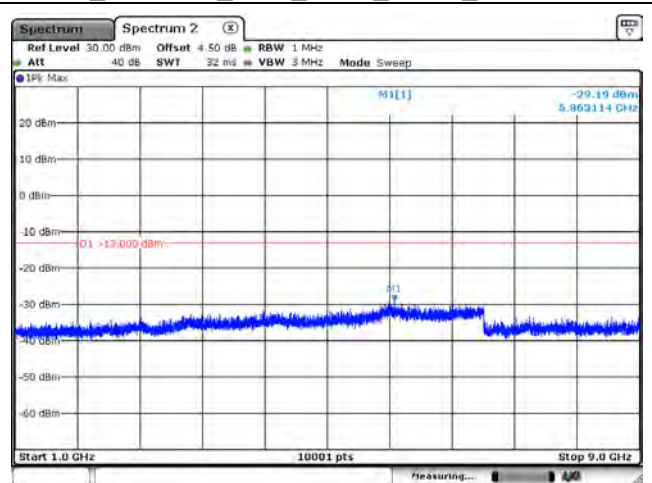
Date: 20 JAN 2022 09:03:00

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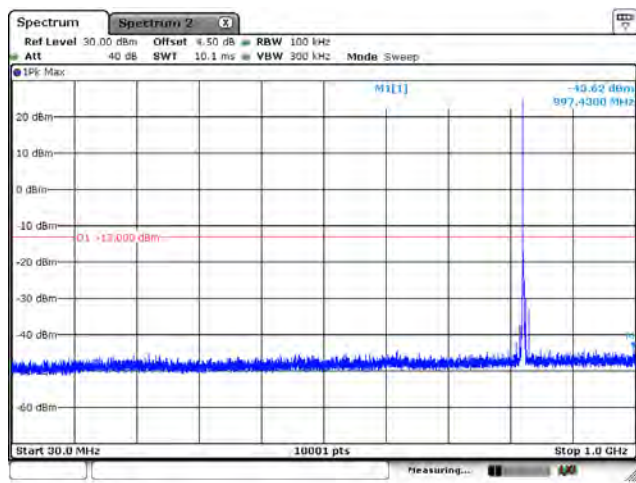
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B5_CH20643_1.4M_1RB0_QPSK_Above 1G



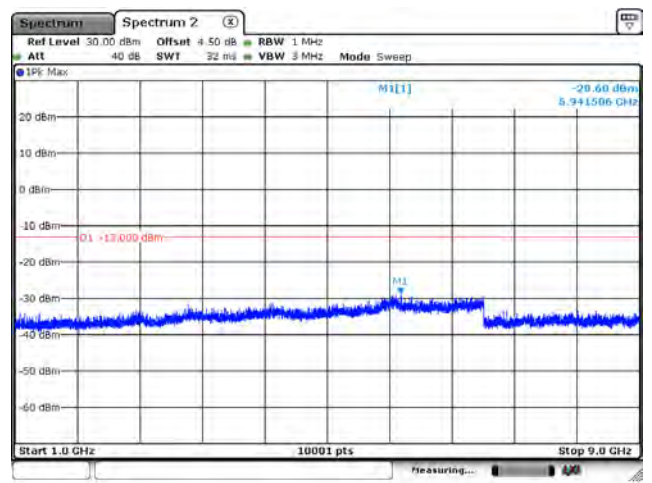
Date: 20 JAN 2022 09:03:00

B5_CH20415_3M_1RB0_QPSK_Below 1G



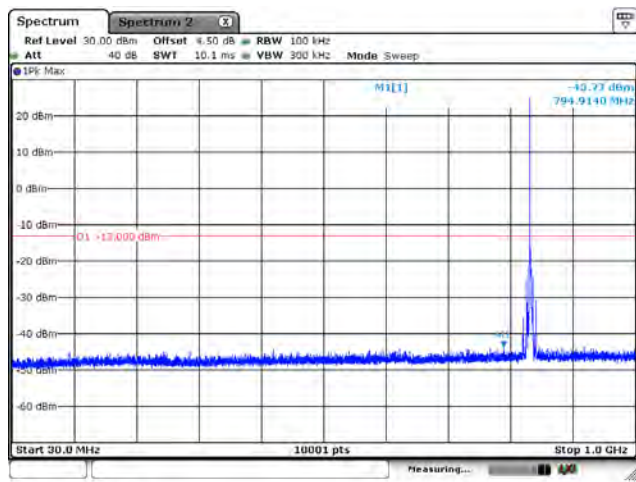
Date: 24 DEC 2021 09:26:15

B5_CH20415_3M_1RB0_QPSK_Above 1G



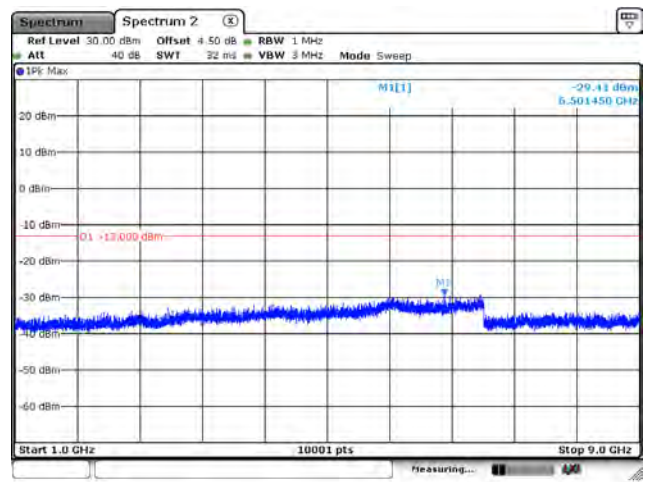
Date: 20 JAN 2022 09:06:19

B5_CH20525_3M_1RB0_QPSK_Below 1G



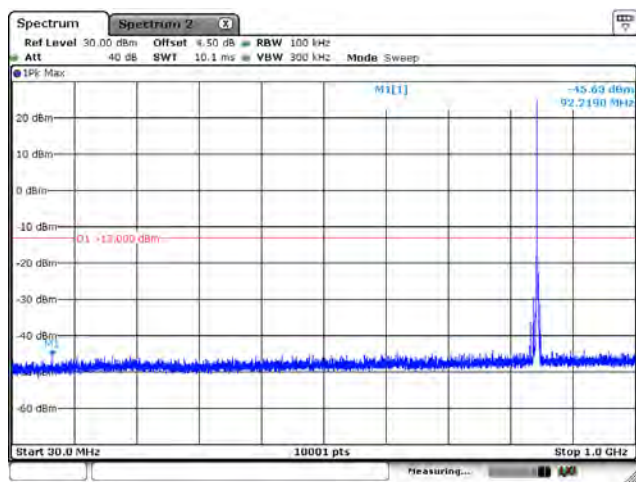
Date: 24 DEC 2021 09:27:25

B5_CH20525_3M_1RB0_QPSK_Above 1G



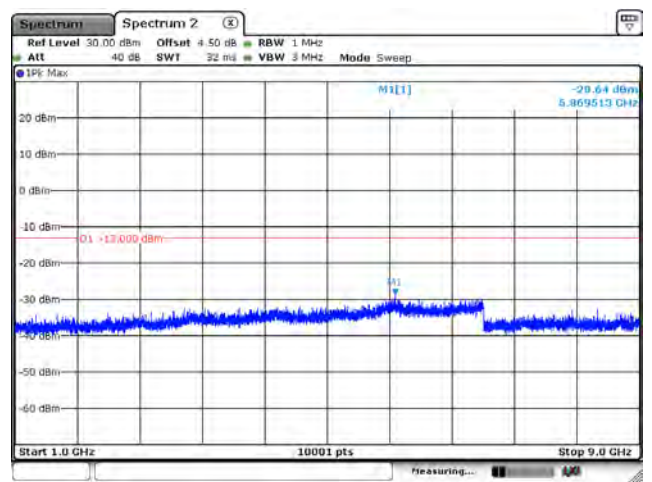
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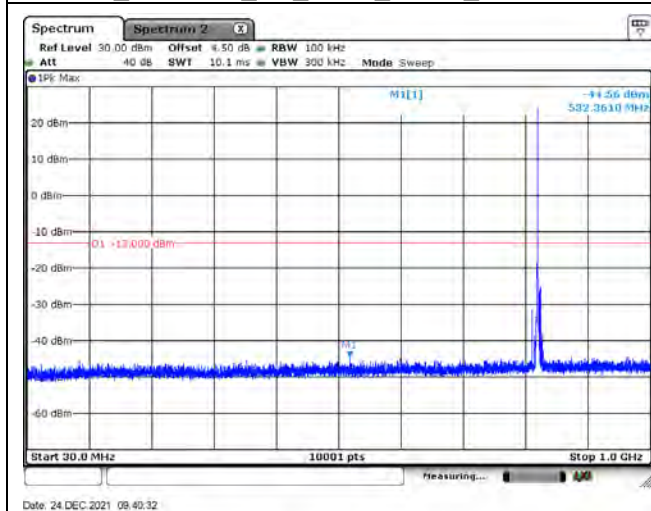
Date: 24 DEC 2021 09:29:09

B5_CH20635_3M_1RB0_QPSK_Above 1G

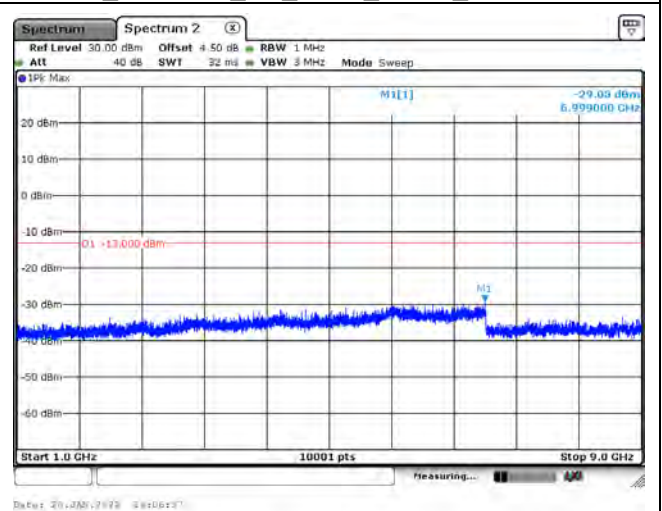


Date: 20 JAN 2022 09:06:21

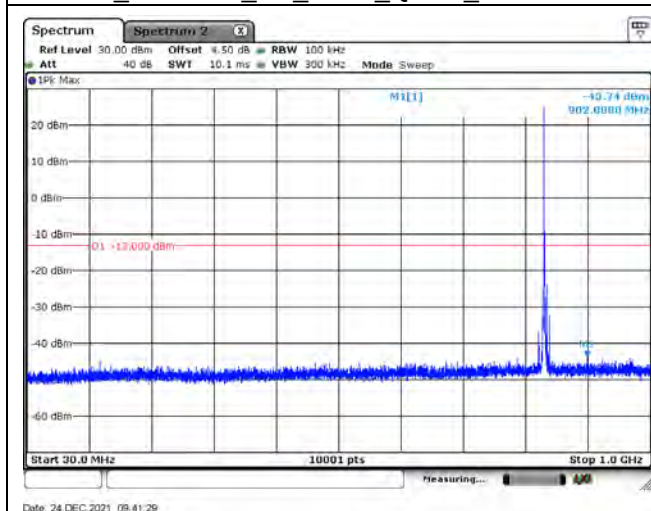
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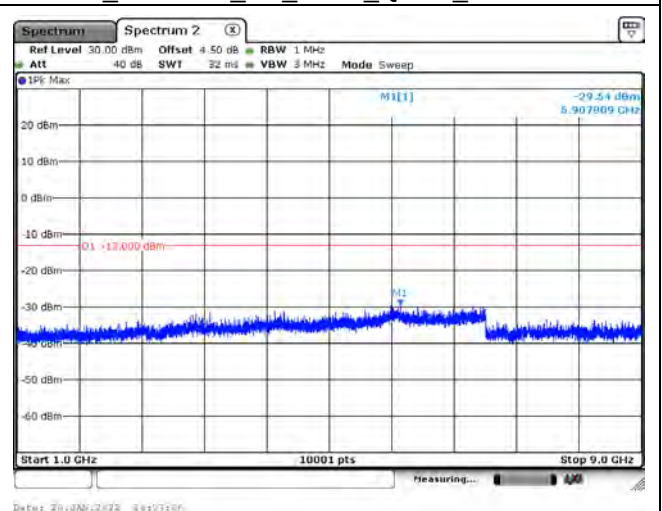
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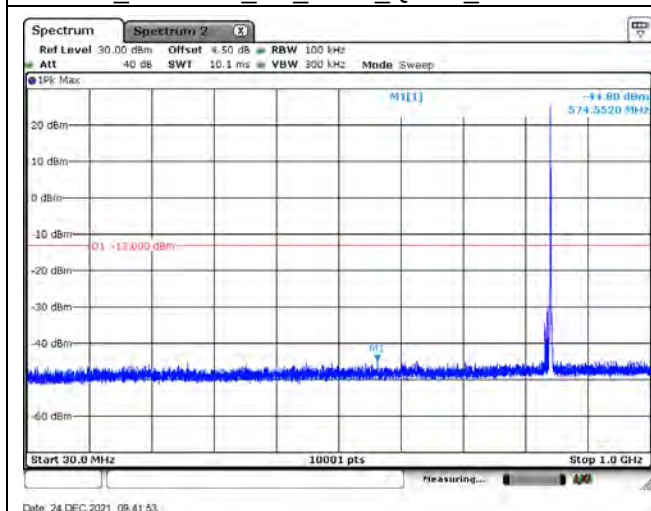
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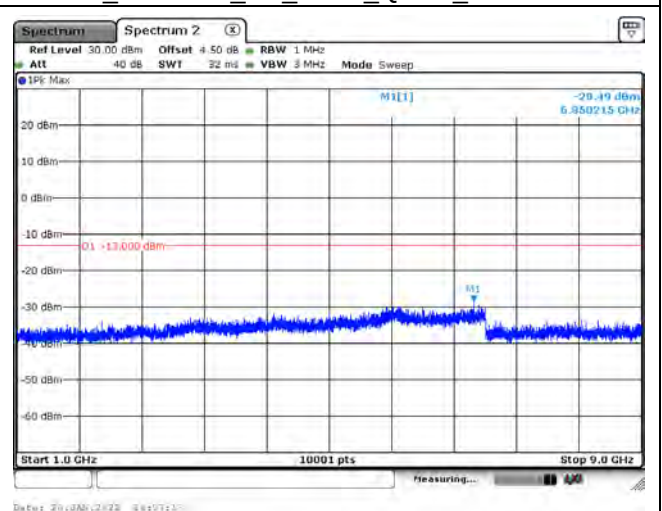
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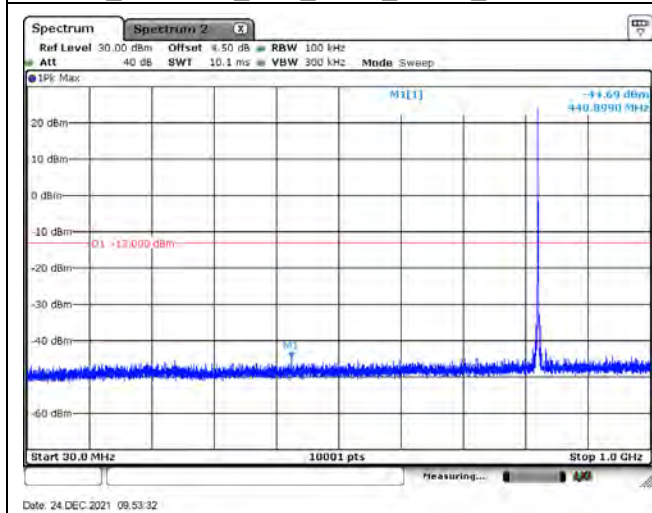
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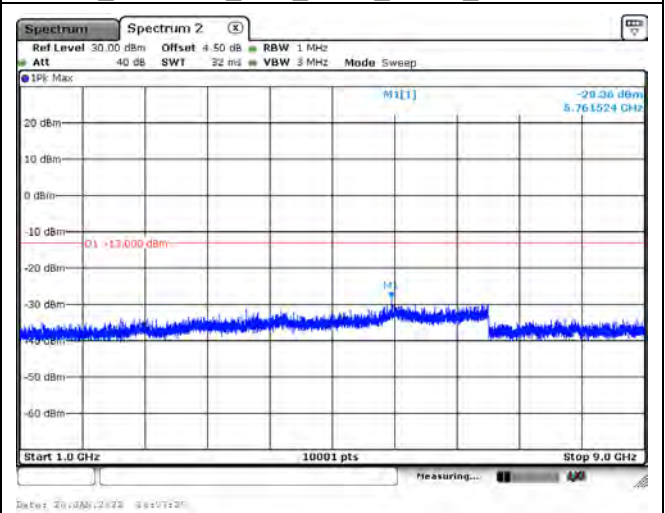
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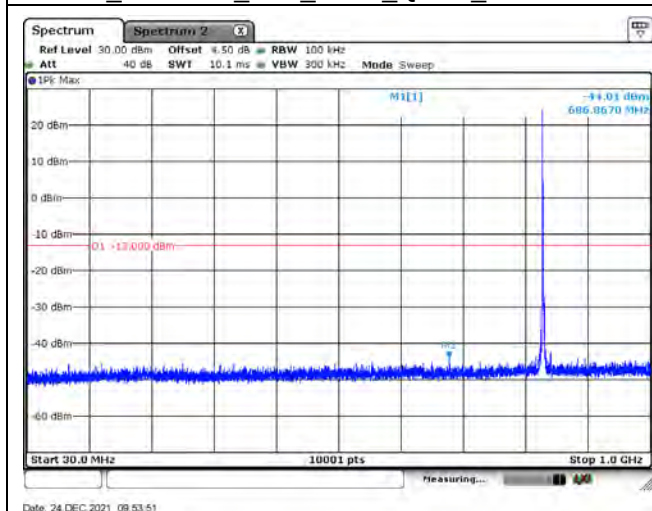
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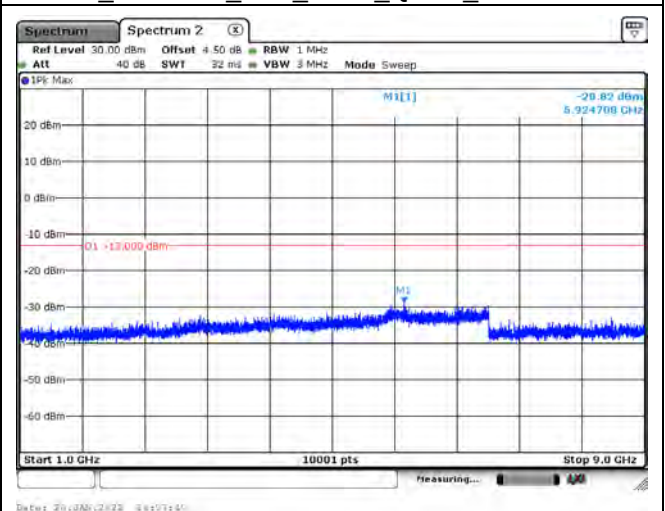
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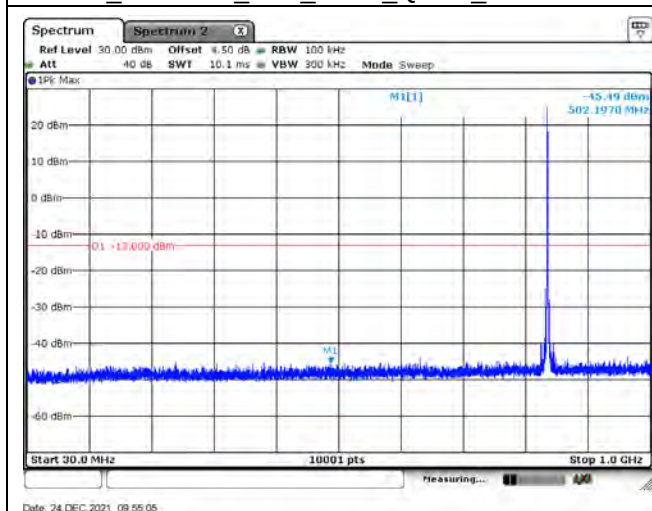
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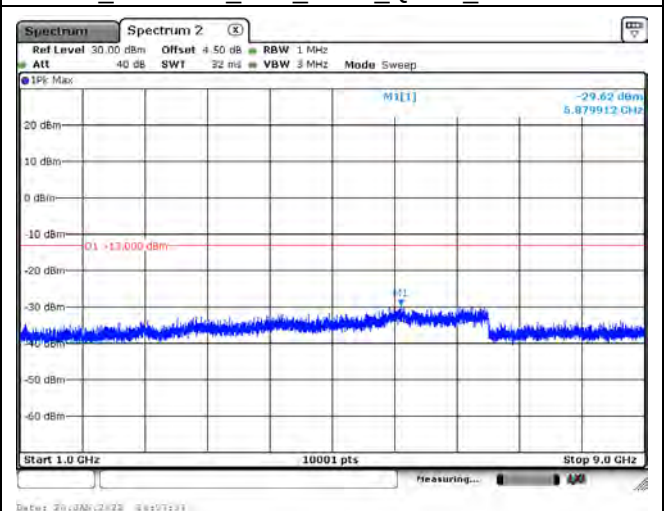
B5_CH20525_10M_1RB0_QPSK_Above 1G

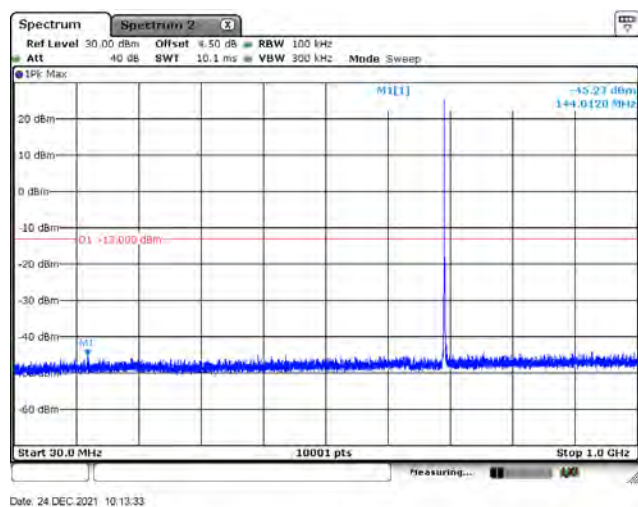
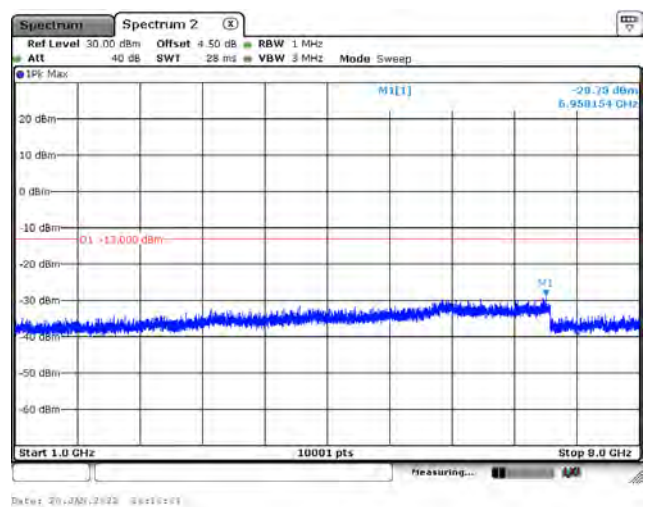
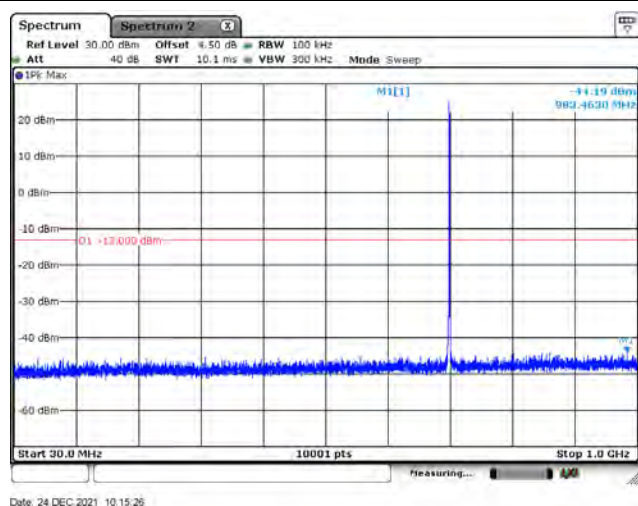
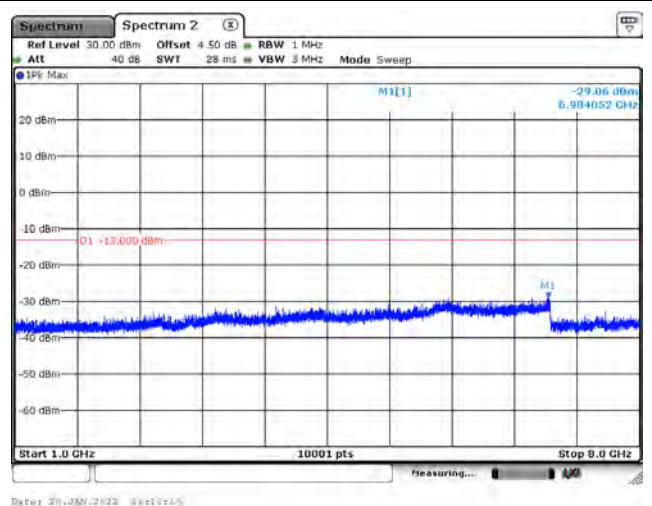
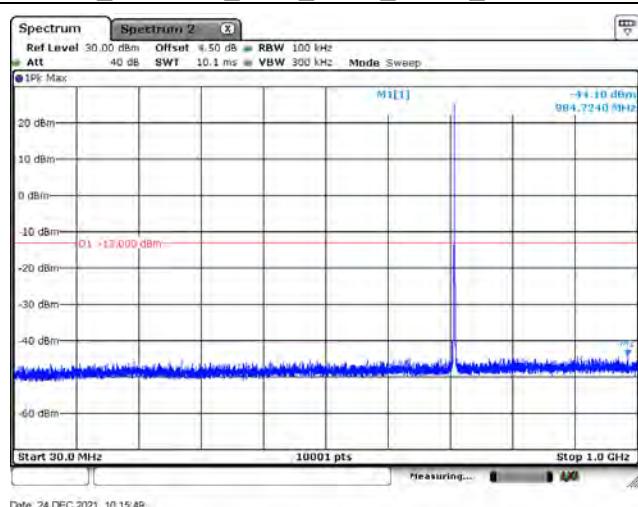
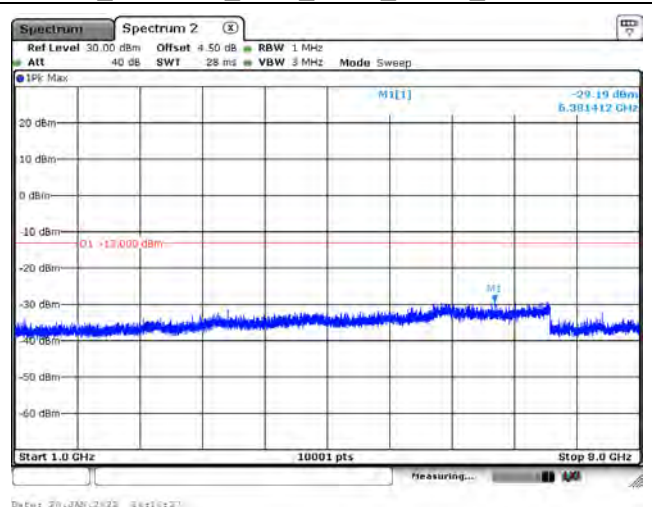


B5_CH20600_10M_1RB0_QPSK_Below 1G

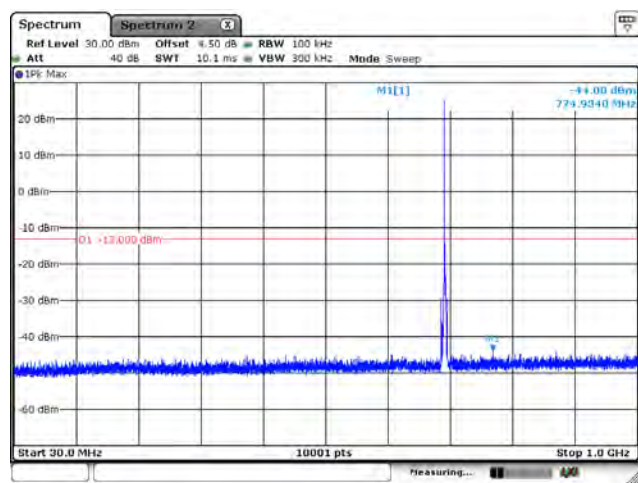


B5_CH20600_10M_1RB0_QPSK_Above 1G



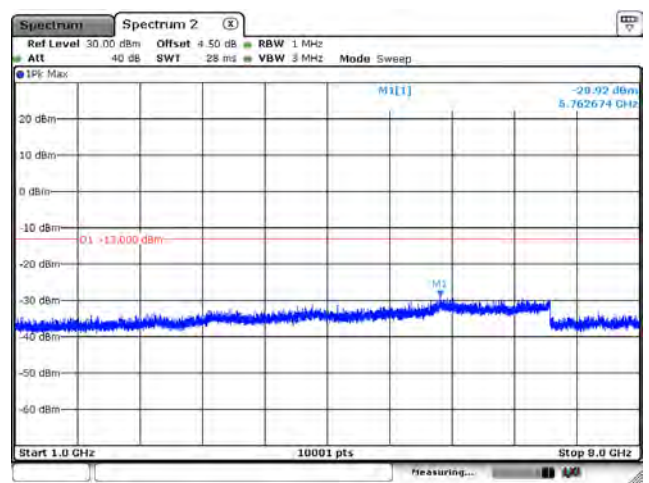
Mode 3: LTE Band 12**B12_CH23017_1.4M_1RB0_QPSK_Below 1G****B12_CH23017_1.4M_1RB0_QPSK_Above 1G****B12_CH23095_1.4M_1RB0_QPSK_Below 1G****B12_CH23095_1.4M_1RB0_QPSK_Above 1G****B12_CH23173_1.4M_1RB0_QPSK_Below 1G****B12_CH23173_1.4M_1RB0_QPSK_Above 1G**

B12_CH23025_3M_1RB0_QPSK_Below 1G



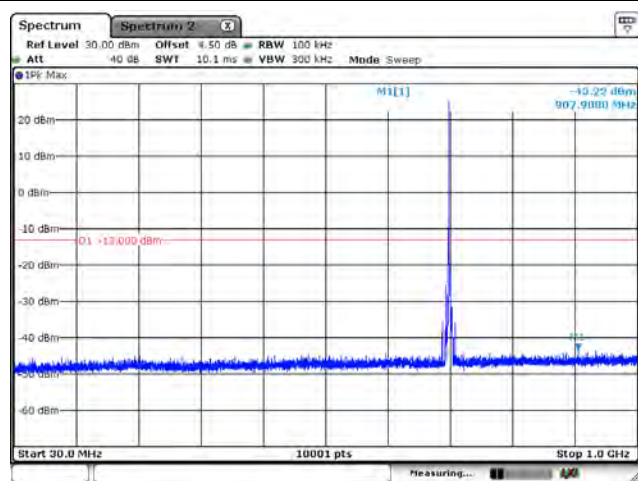
Date: 24 DEC 2021 10:17:11

B12_CH23025_3M_1RB0_QPSK_Above 1G



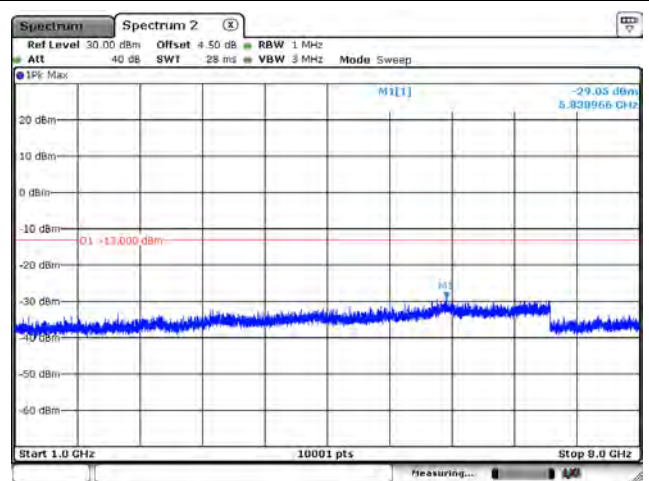
Date: 20 JAN 2022 08:11:41

B12_CH23095_3M_1RB0_QPSK_Below 1G



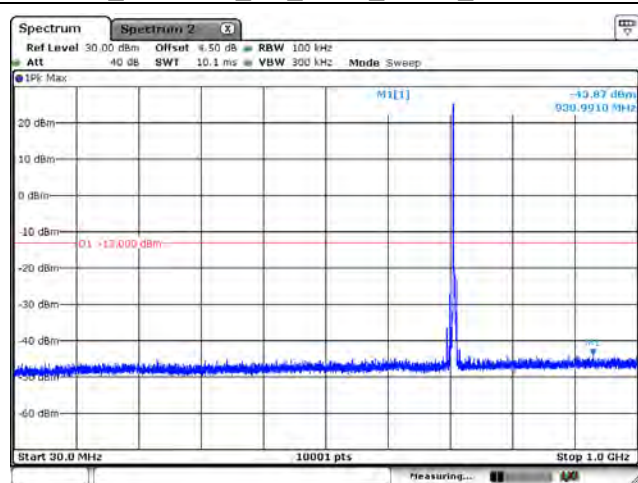
Date: 24 DEC 2021 10:18:18

B12_CH23095_3M_1RB0_QPSK_Above 1G



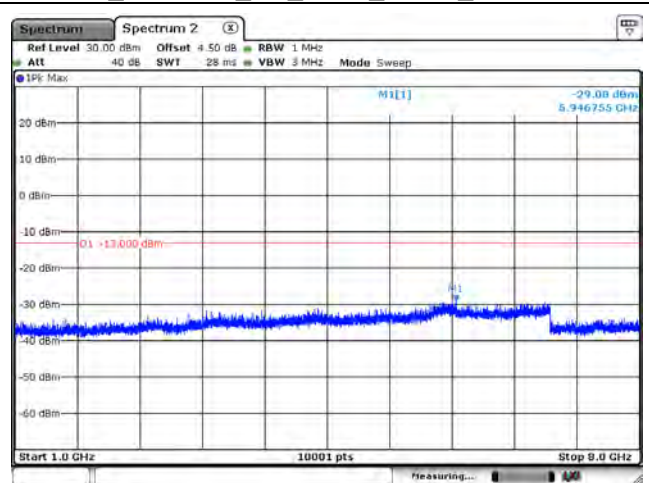
Date: 20 JAN 2022 08:11:39

B12_CH23165_3M_1RB0_QPSK_Below 1G



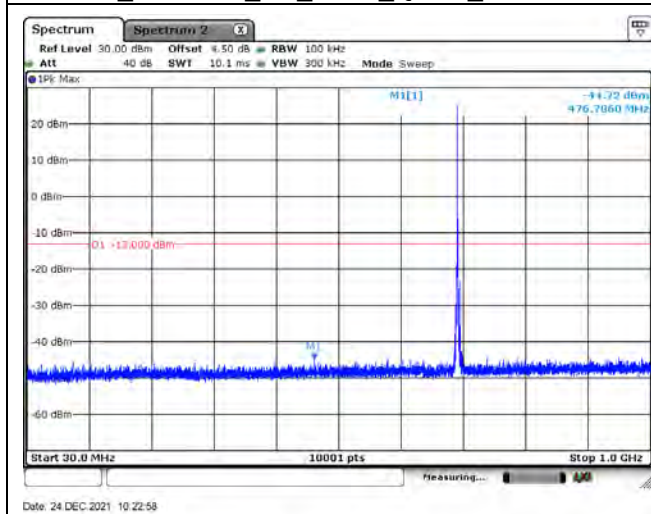
Date: 24 DEC 2021 10:22:15

B12_CH23165_3M_1RB0_QPSK_Above 1G

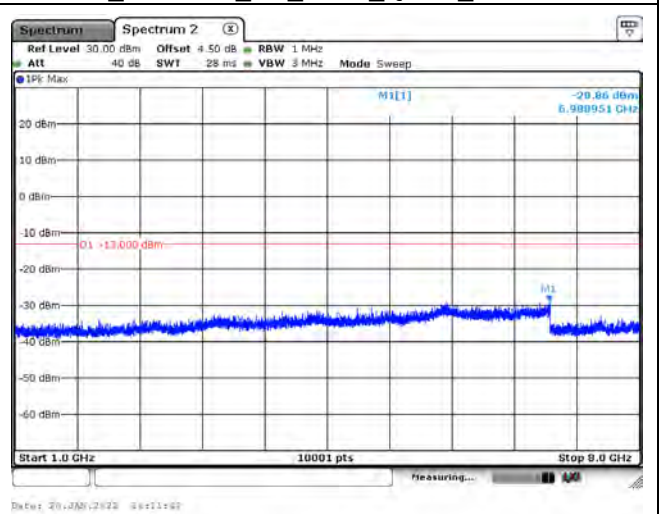


Date: 20 JAN 2022 08:11:21

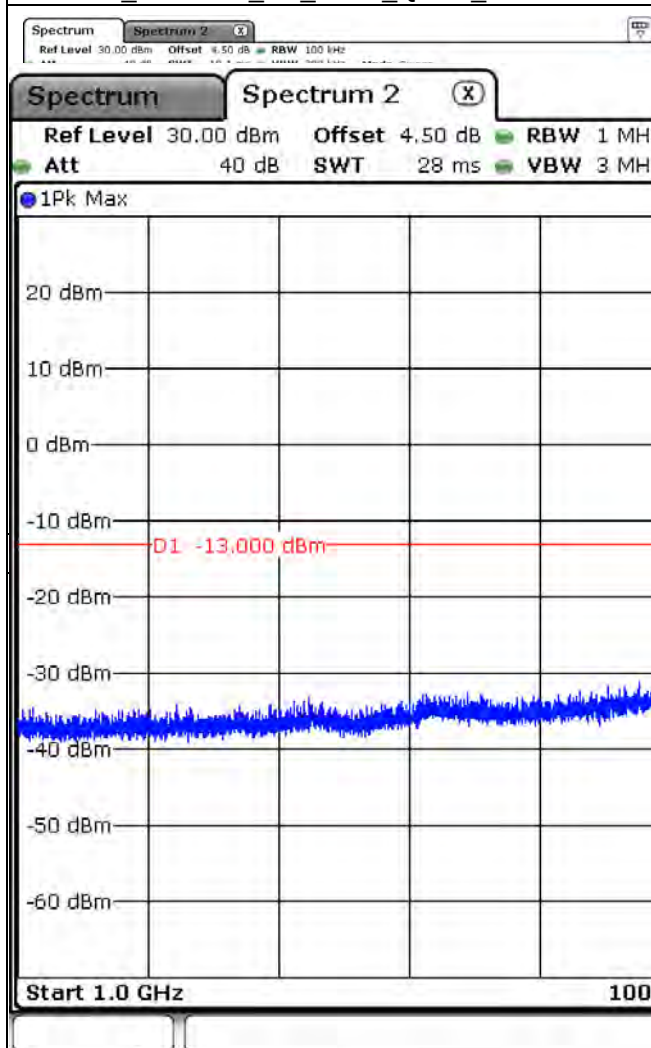
B12_CH23035_5M_1RB0_QPSK_Below 1G



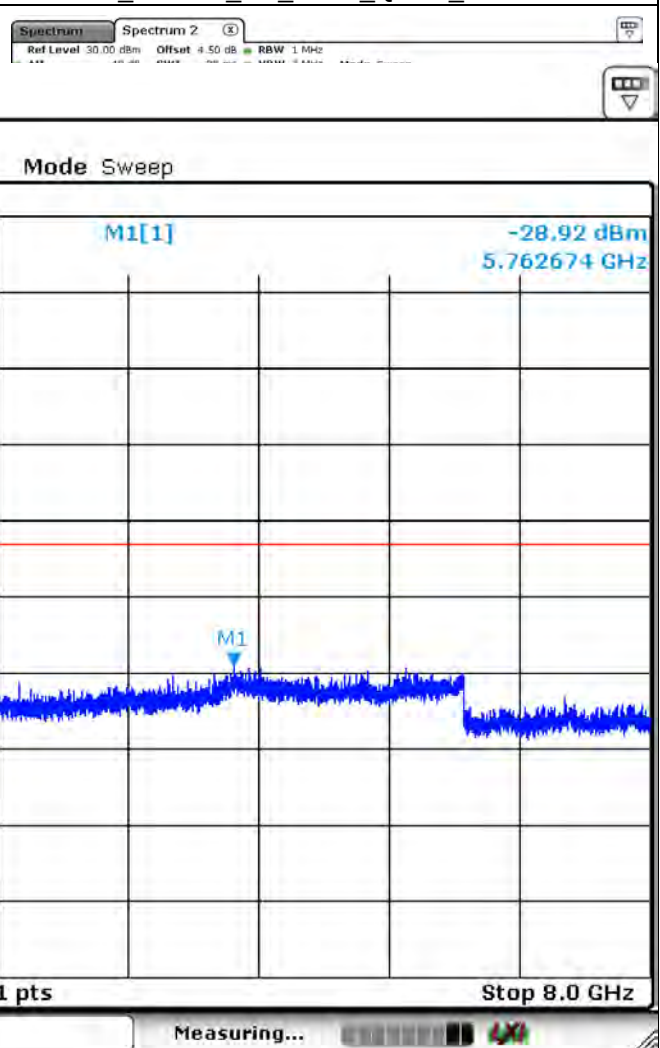
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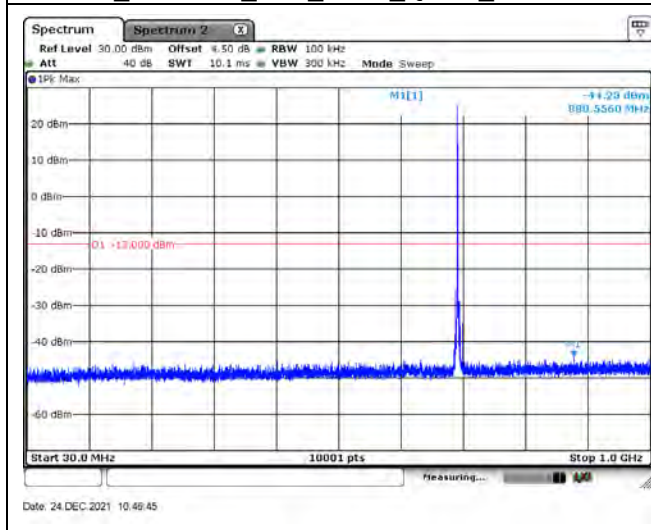
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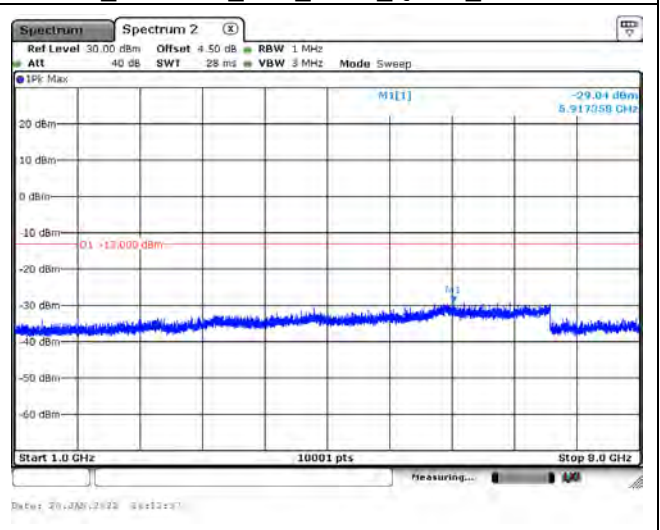
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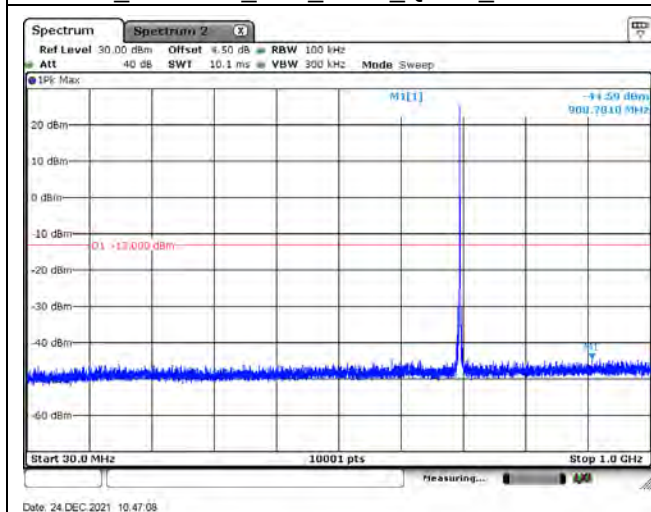
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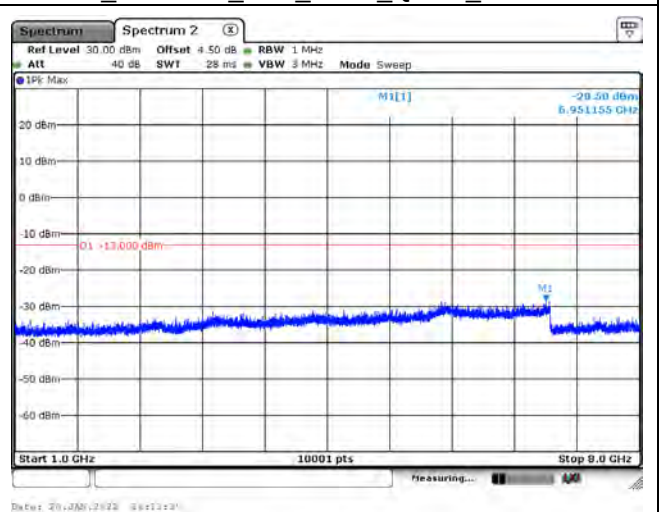
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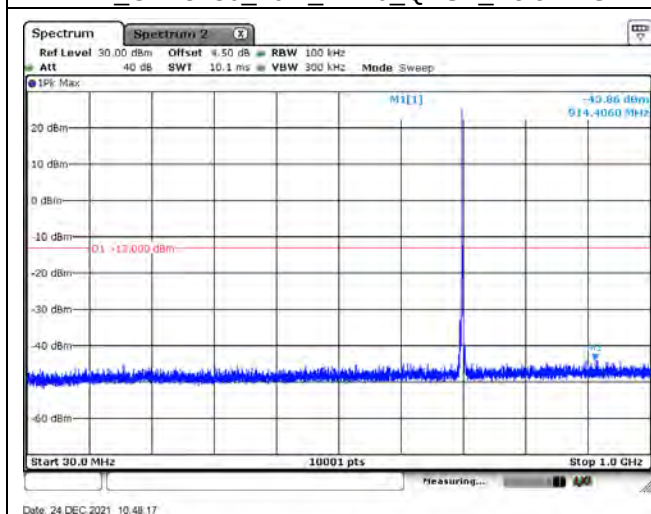
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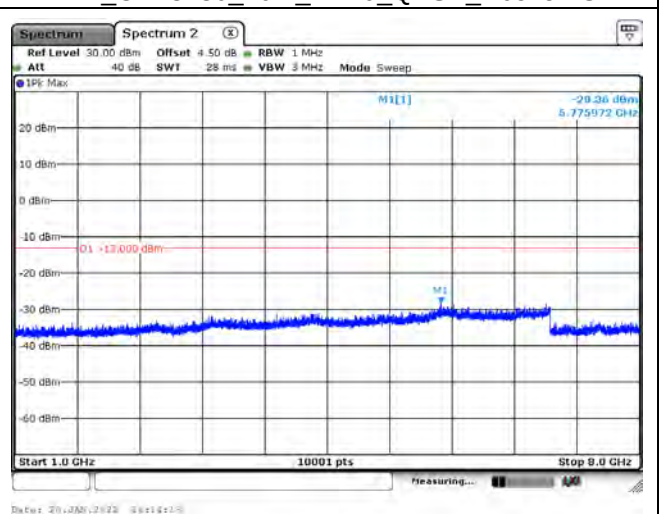
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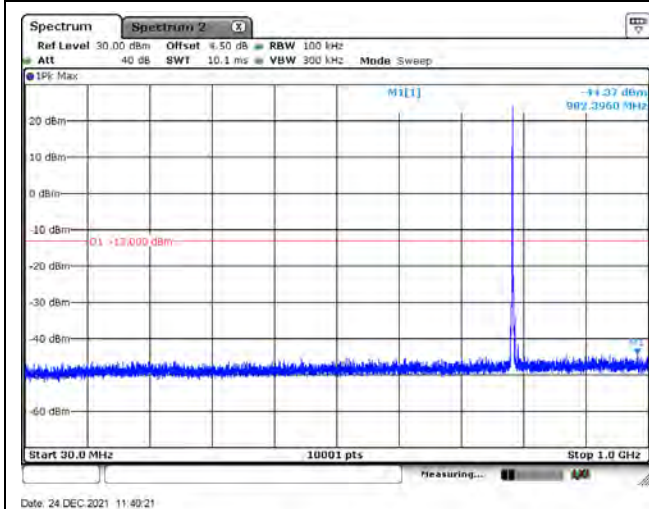
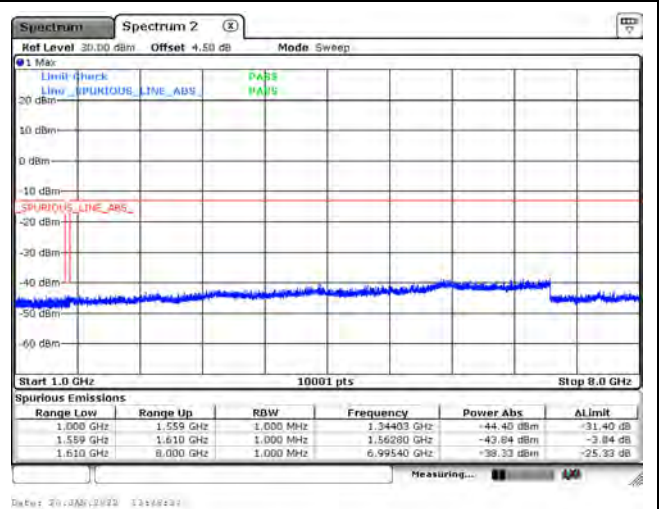
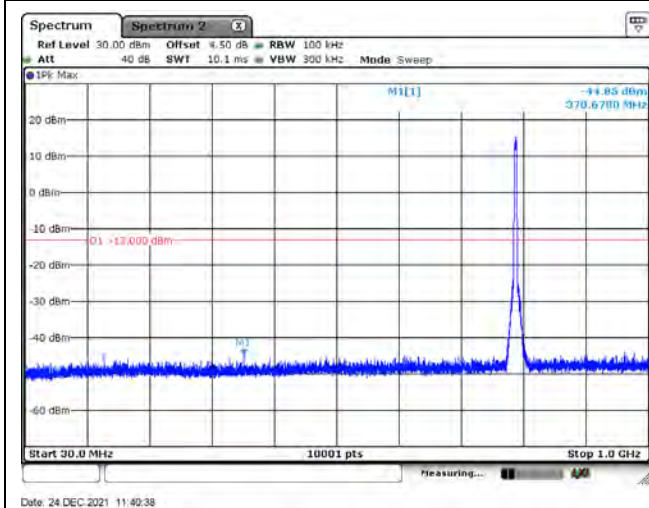
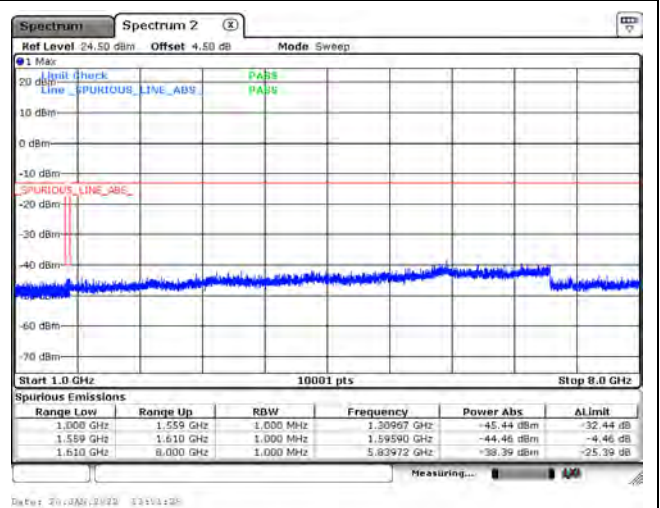
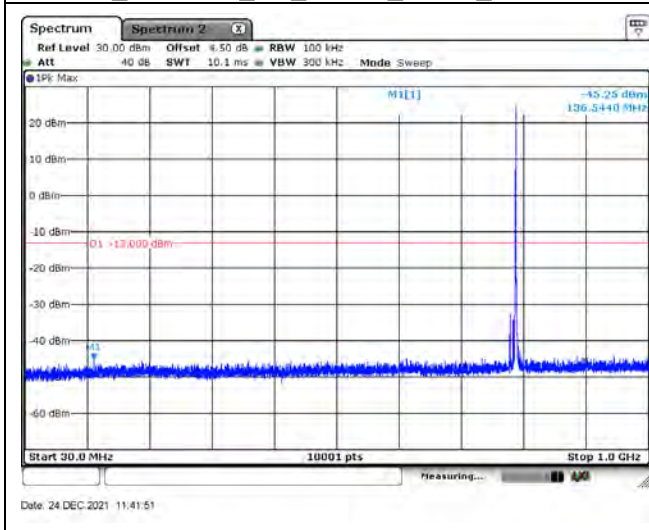
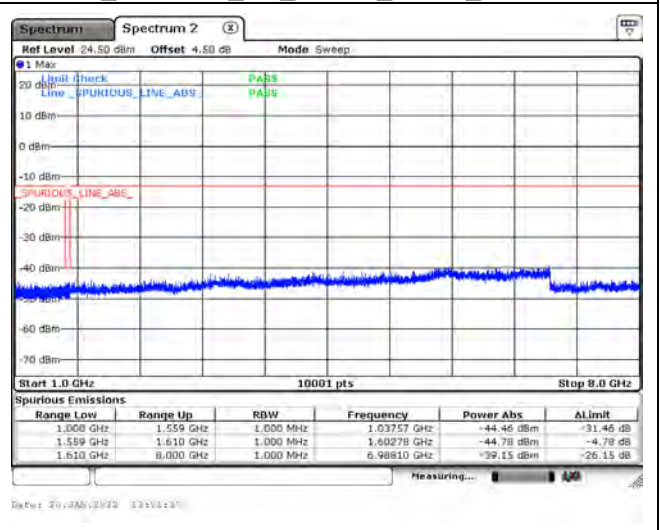


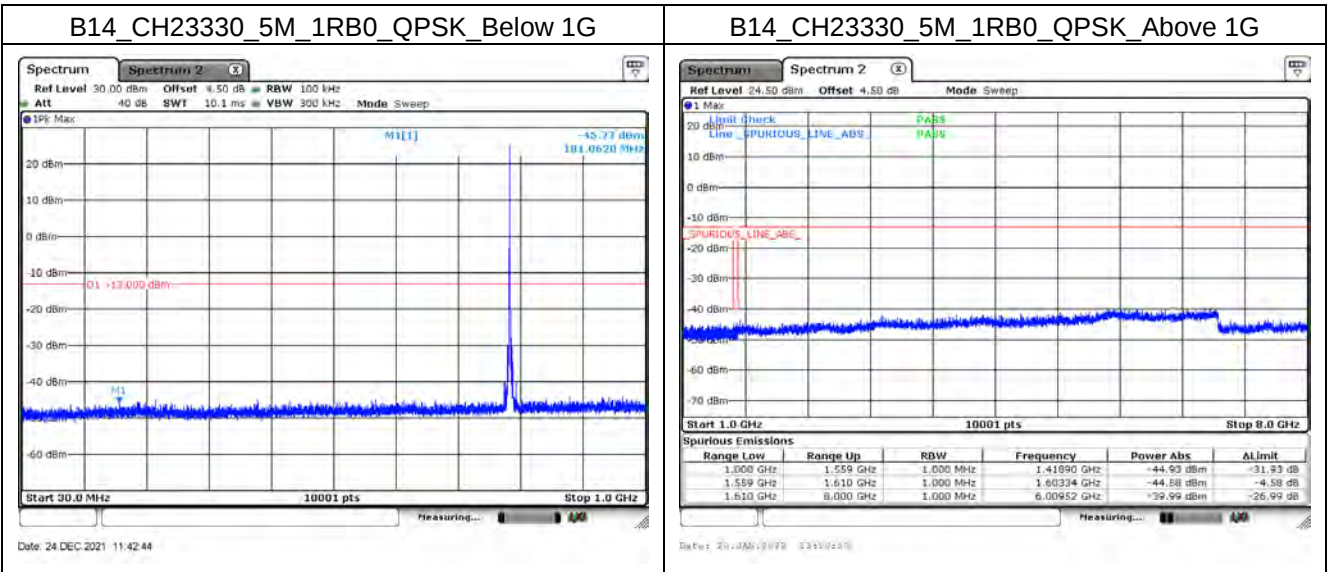
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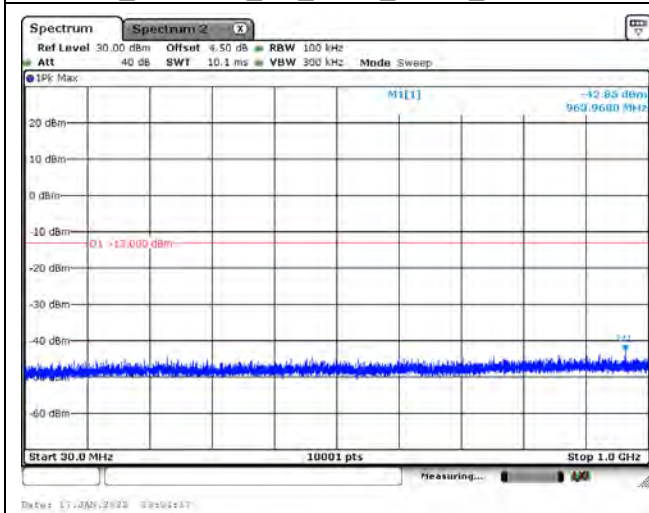
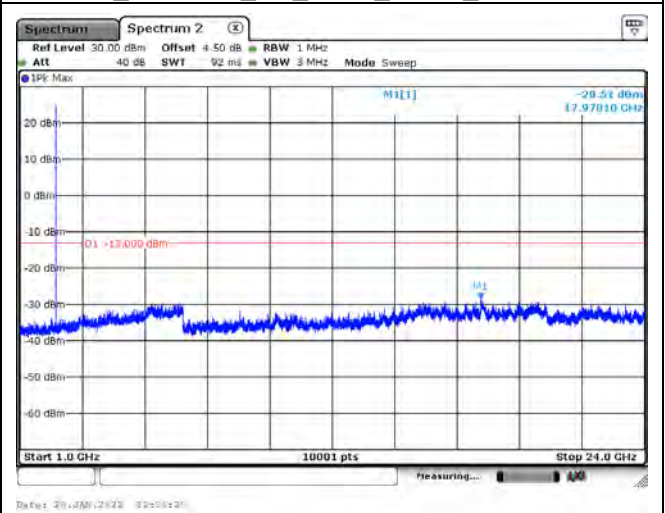
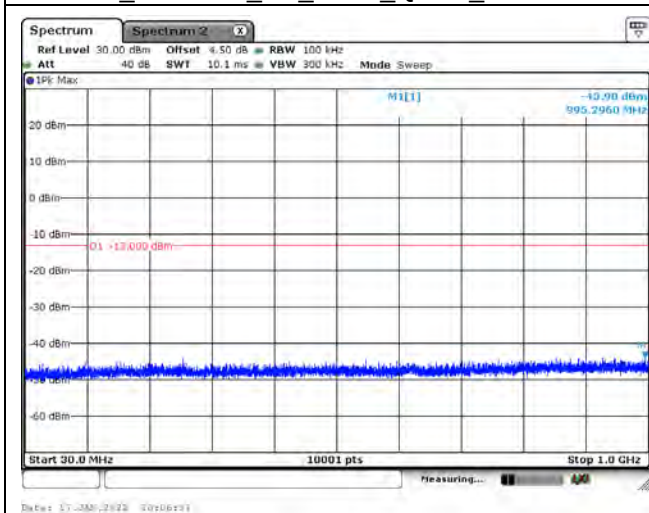
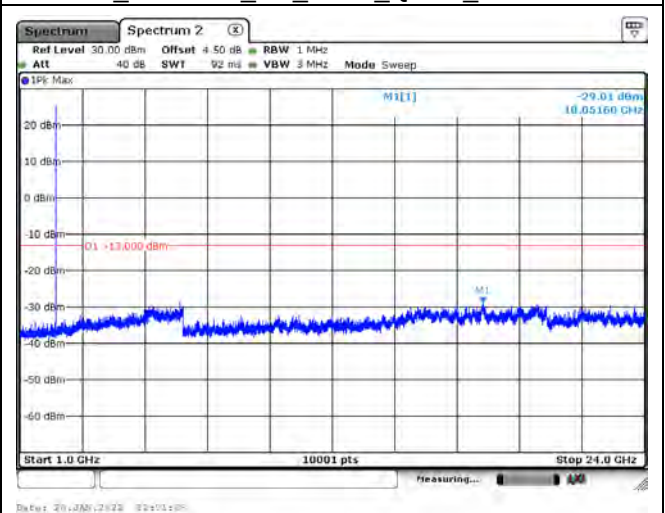
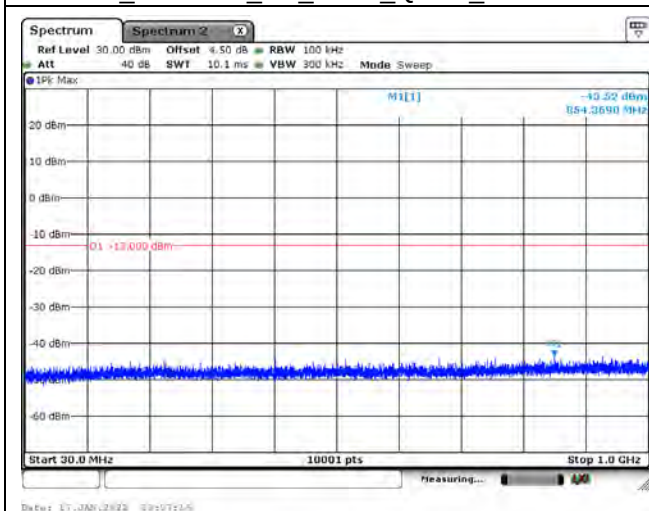
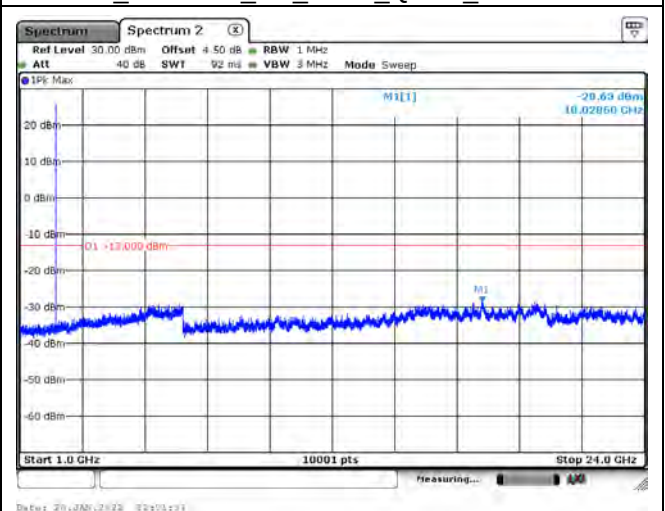


B12_CH23130_10M_1RB0_QPSK_Above 1G

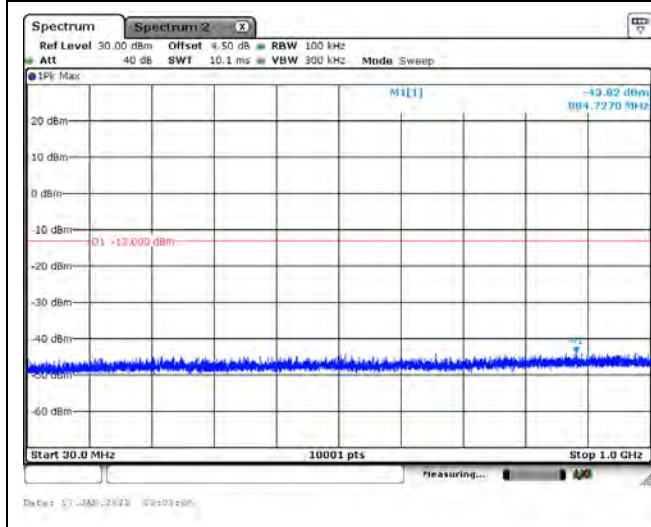


Mode 4: LTE Band 14**B14_CH23305_5M_1RB0_QPSK_Below 1G****B14_CH23305_5M_1RB0_QPSK_Above 1G****B14_CH23330_5M_1RB12_QPSK_Below 1G****B14_CH23330_5M_1RB12_QPSK_Above 1G****B14_CH23355_5M_1RB12_QPSK_Below 1G****B14_CH23355_5M_1RB12_QPSK_Above 1G**

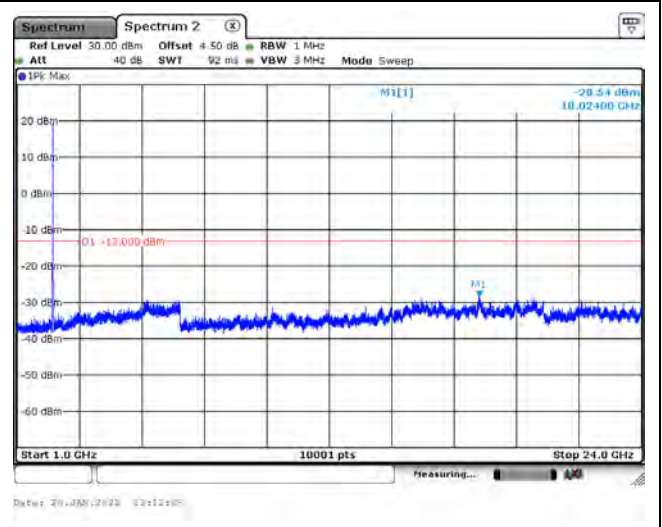


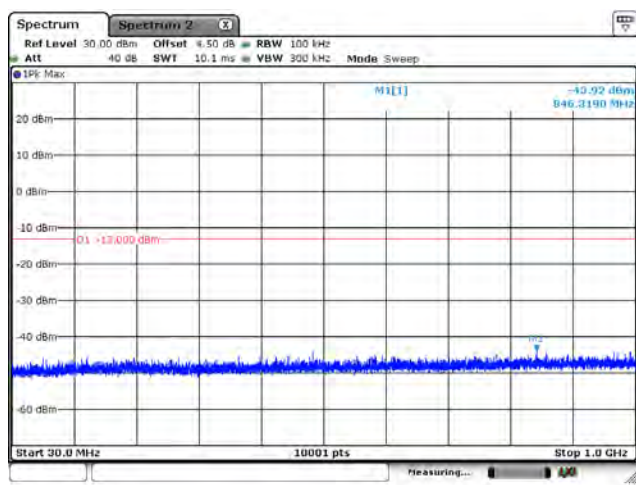
Mode 5: LTE Band 30**B30_CH27685_5M_1RB0_QPSK_Below 1G****B30_CH27685_5M_1RB0_QPSK_Above 1G****B30_CH27710_5M_1RB0_QPSK_Below 1G****B30_CH27710_5M_1RB0_QPSK_Above 1G****B30_CH27735_5M_1RB0_QPSK_Below 1G****B30_CH27735_5M_1RB0_QPSK_Above 1G**

B30_CH27710_10M_1RB0_QPSK_Below 1G

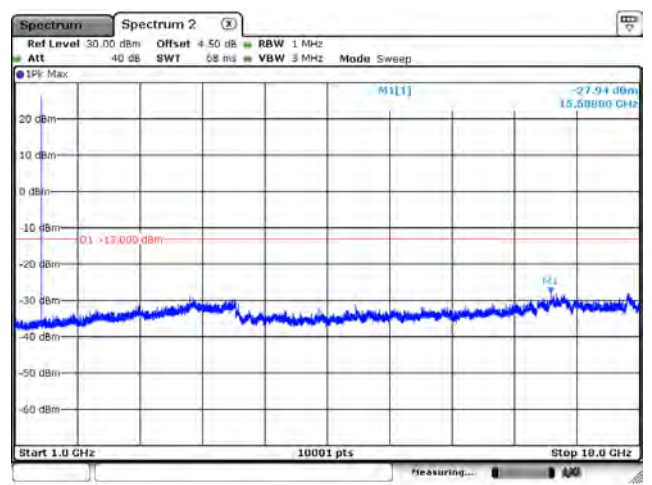


B30_CH27710_10M_1RB0_QPSK_Above 1G

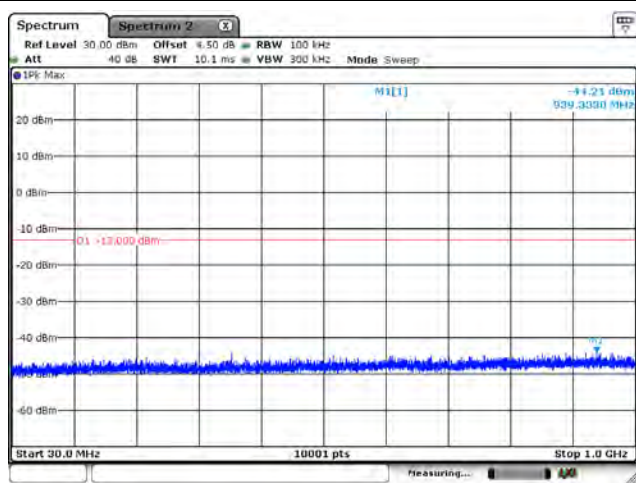


Mode 6: LTE Band 66**B66_CH131979_1.4M_1RB0_QPSK_Below 1G**

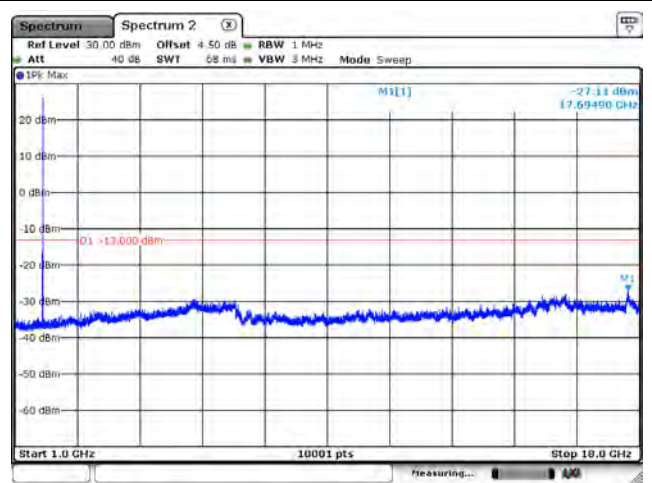
Date: 24 DEC 2021 13:54:03

B66_CH131979_1.4M_1RB0_QPSK_Above 1G

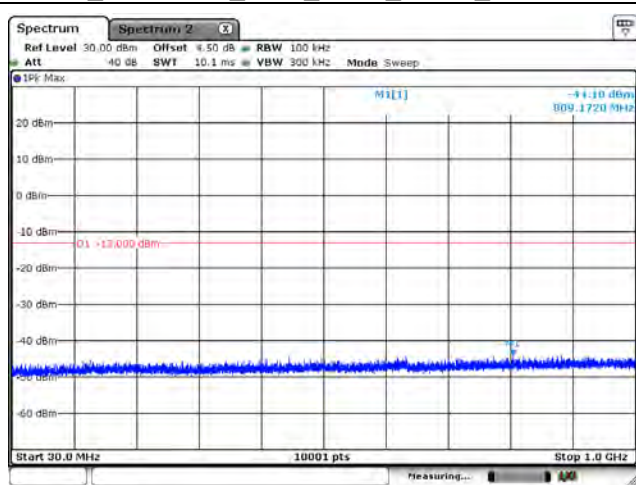
Date: 24 DEC 2021 13:55:05

B66_CH132322_1.4M_1RB0_QPSK_Below 1G

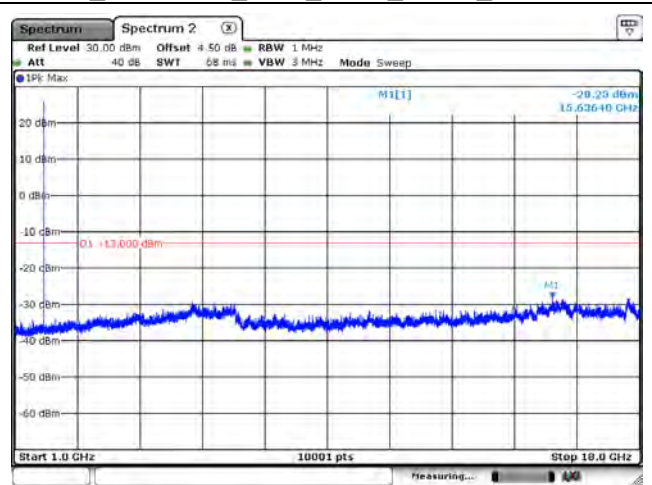
Date: 24 DEC 2021 13:56:41

B66_CH132322_1.4M_1RB0_QPSK_Above 1G

Date: 24 DEC 2021 13:56:18

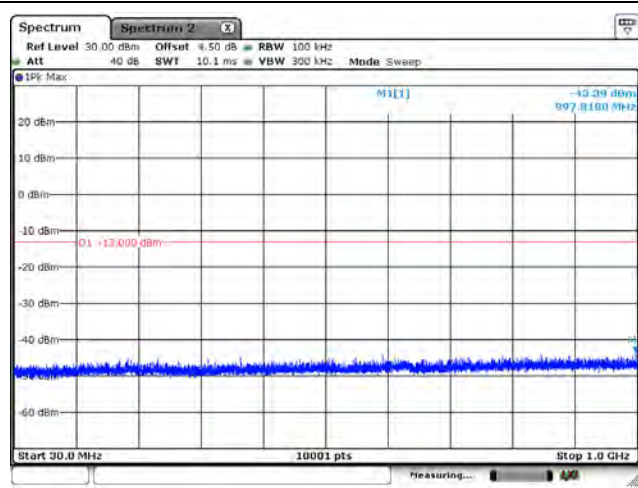
B66_CH132665_1.4M_1RB0_QPSK_Below 1G

Date: 24 DEC 2021 13:57:30

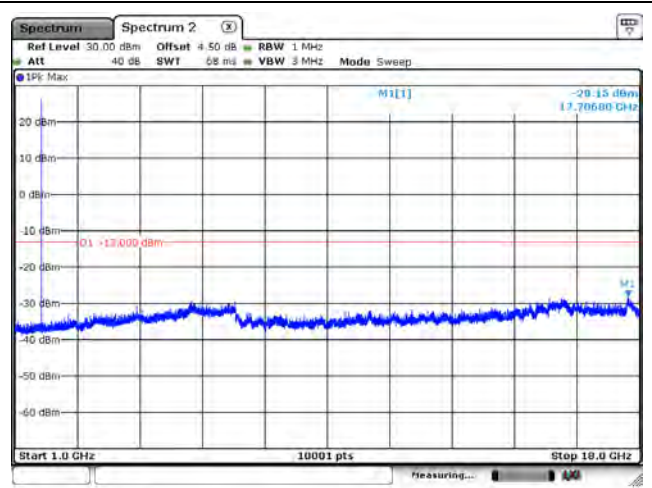
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Date: 24 DEC 2021 13:57:57

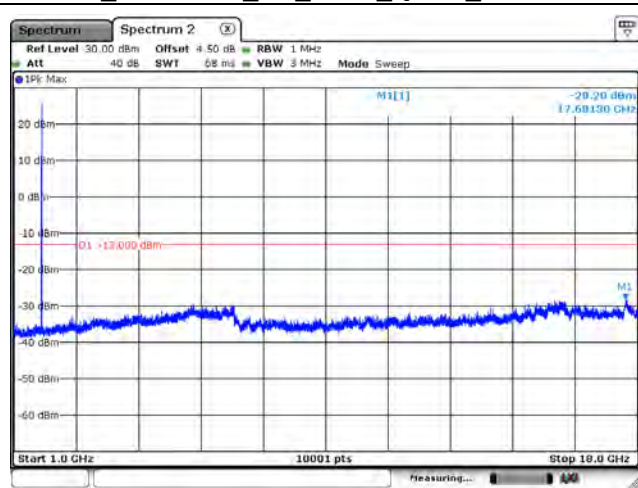
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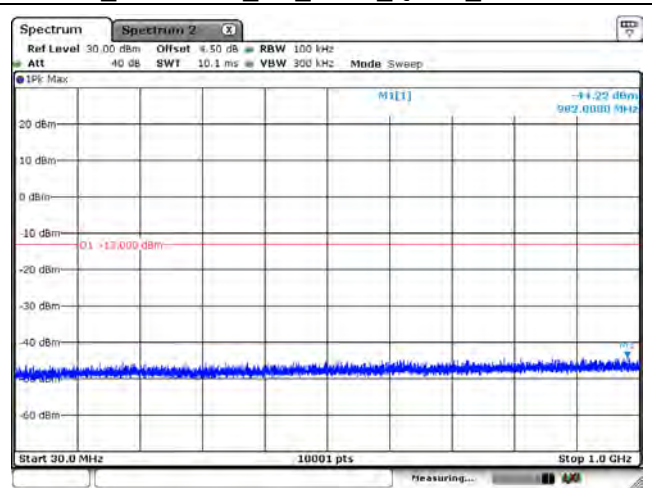
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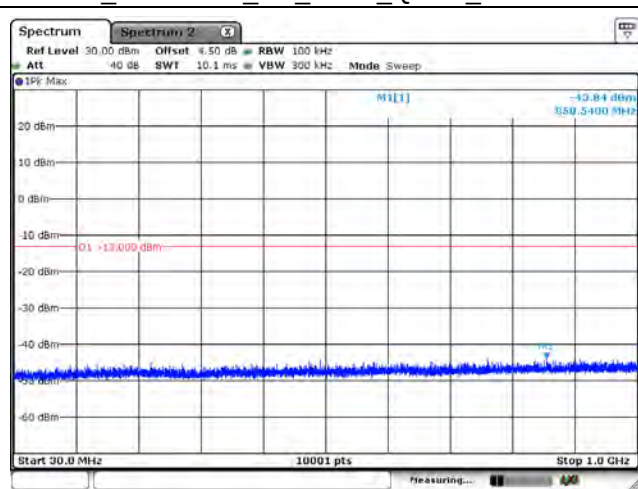
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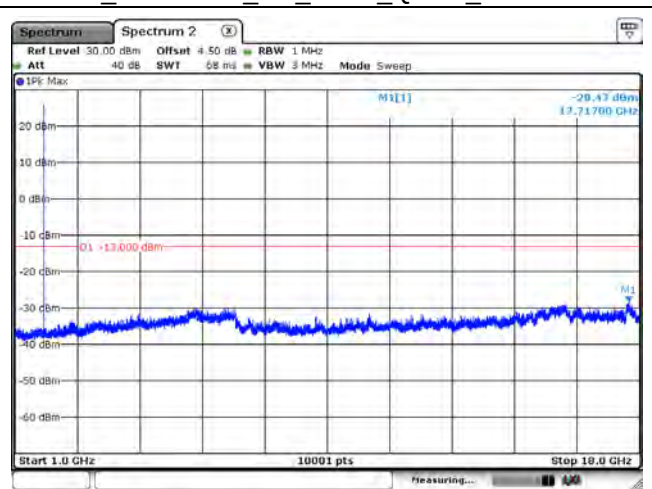
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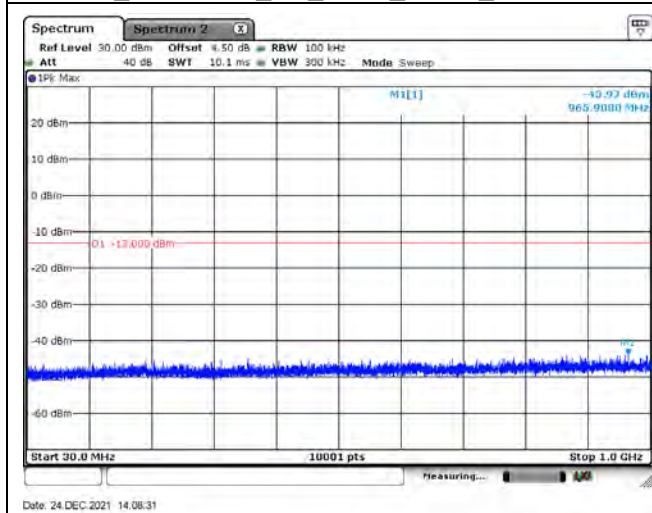
B66_CH132657_3M_1RB0_QPSK_Below 1G



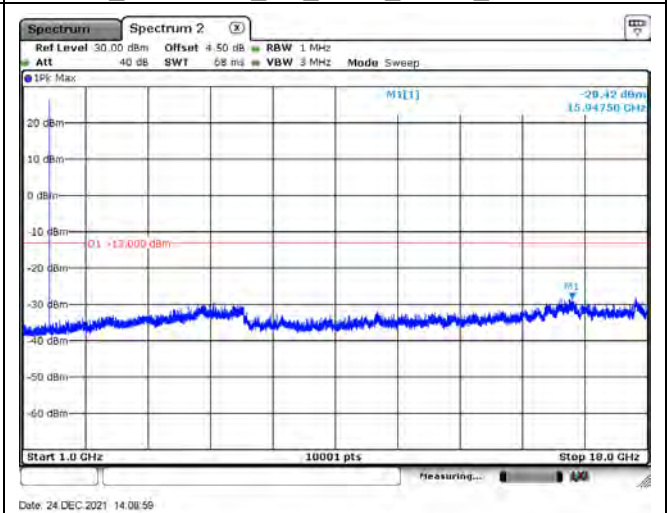
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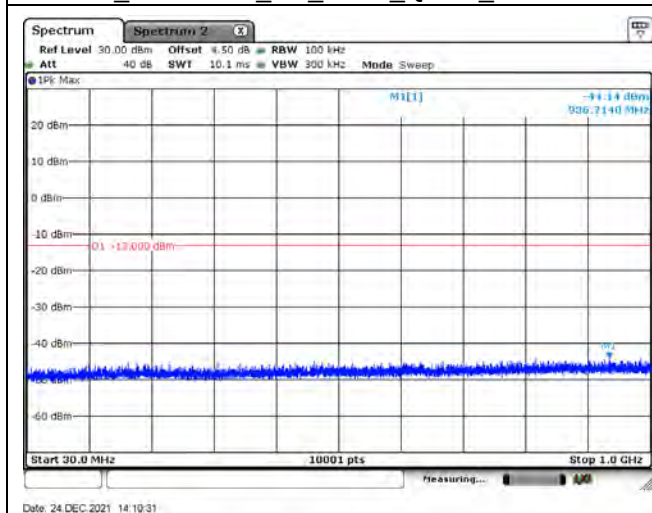
B66_CH131997_5M_1RB0_QPSK_Below 1G



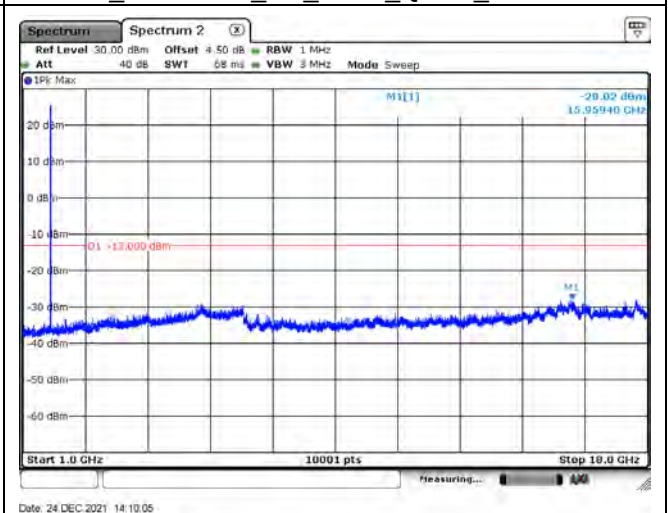
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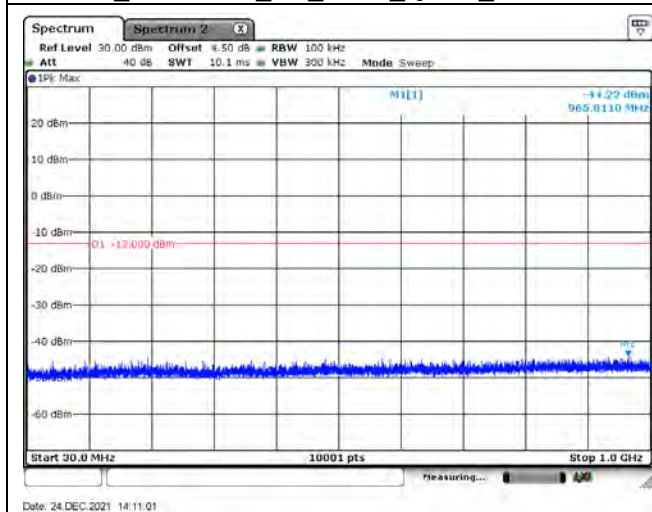
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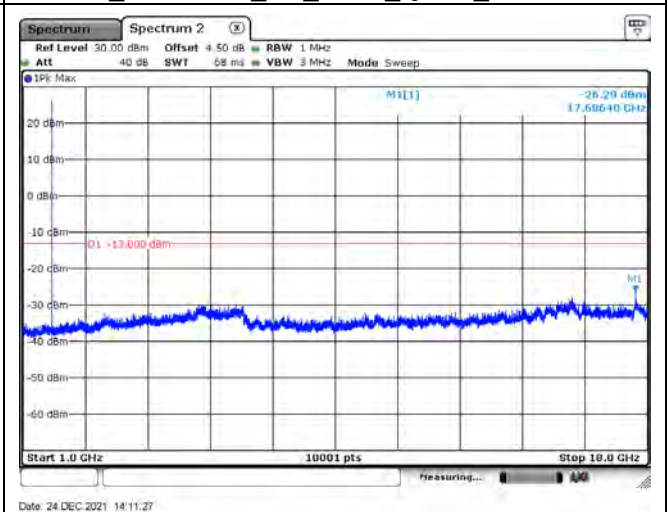
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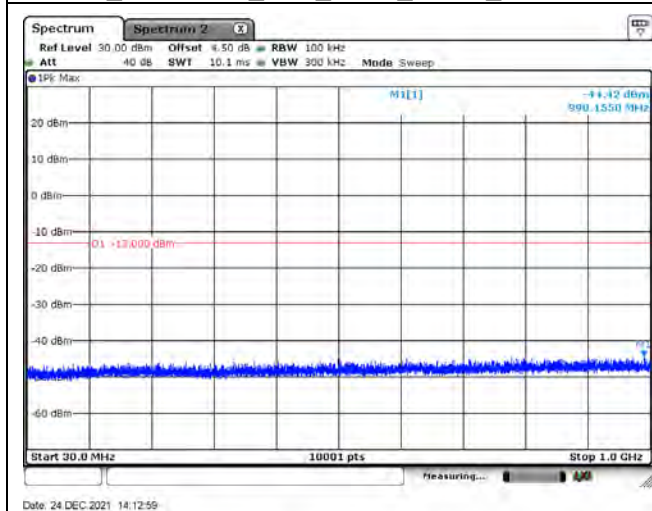
B66_CH132647_5M_1RB0_QPSK_Below 1G



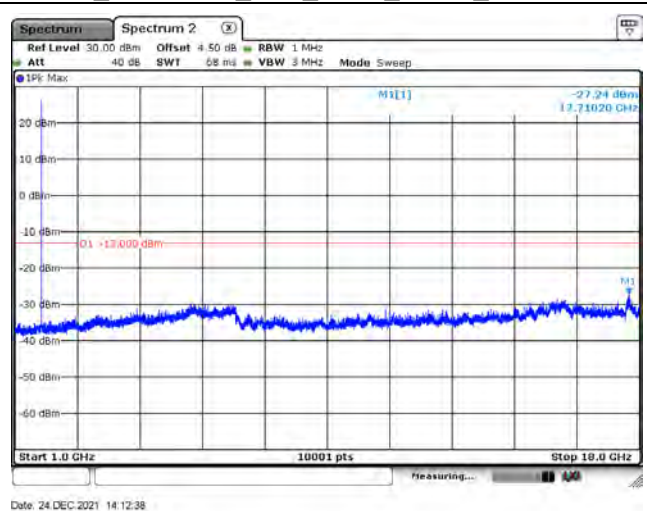
B66_CH132647_5M_1RB0_QPSK_Above 1G



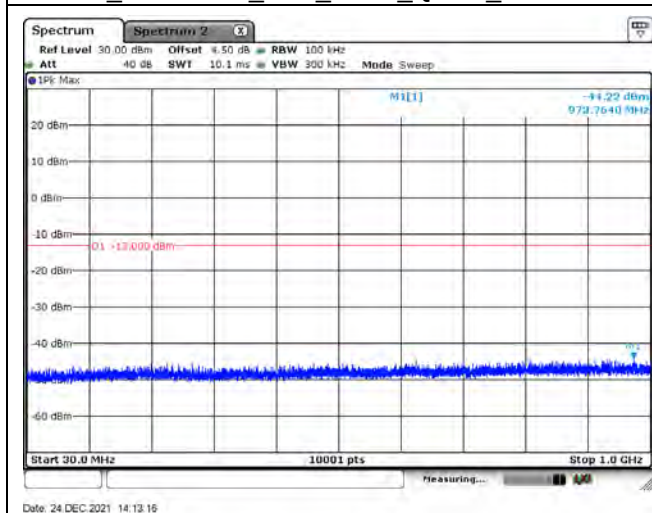
B66_CH132022_10M_1RB0_QPSK_Below 1G



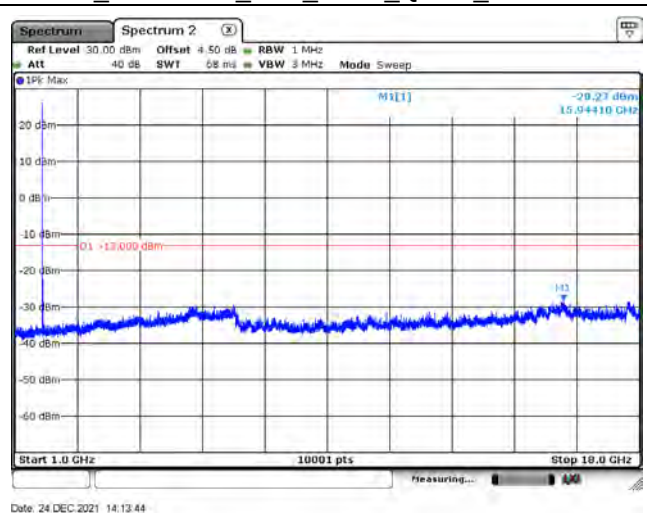
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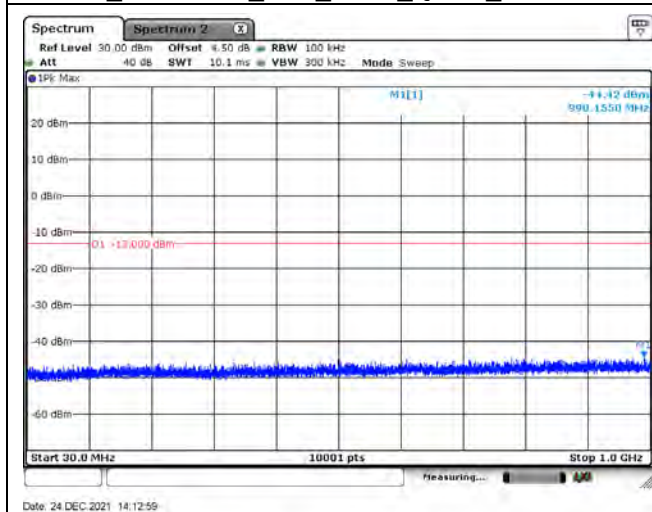
B66_CH132322_10M_1RB0_QPSK_Below 1G



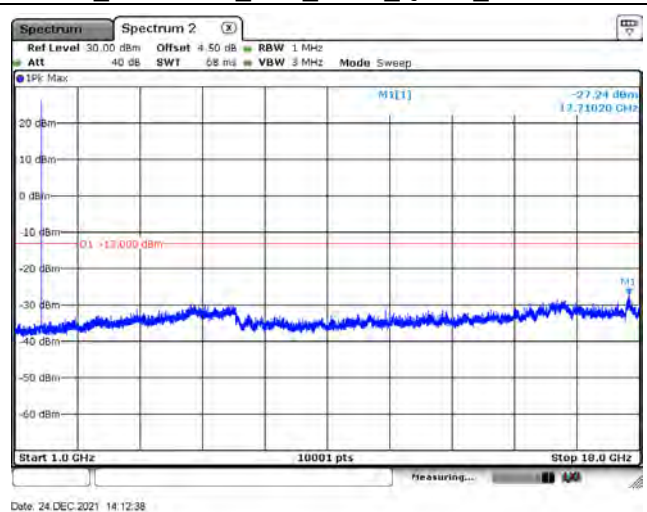
B66_CH132322_10M_1RB0_QPSK_Above 1G



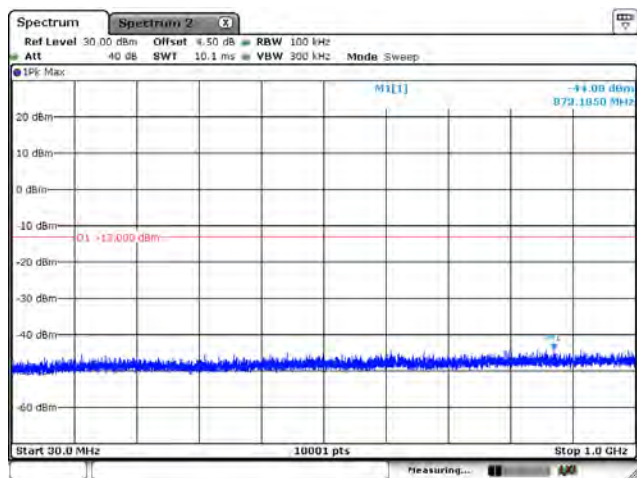
B66_CH132622_10M_1RB0_QPSK_Below 1G



B66_CH132622_10M_1RB0_QPSK_Above 1G

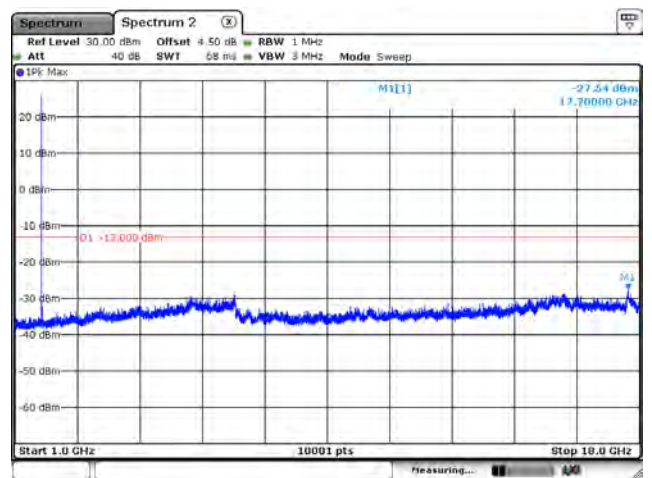


B66_CH132047_15M_1RB0_QPSK_Below 1G



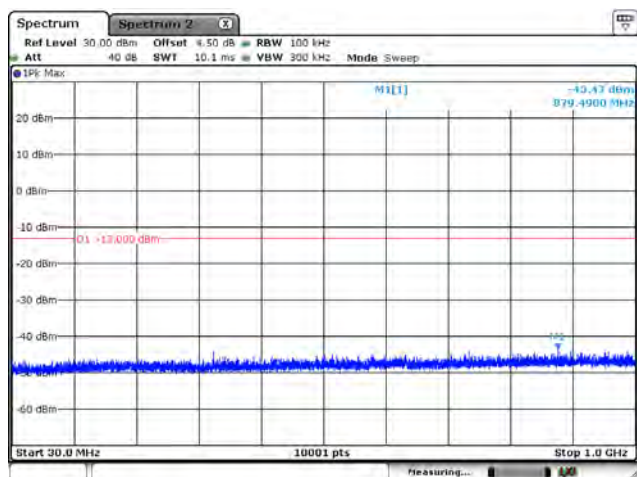
Date: 24 DEC 2021 14:18:25

B66_CH132047_15M_1RB0_Above 1G



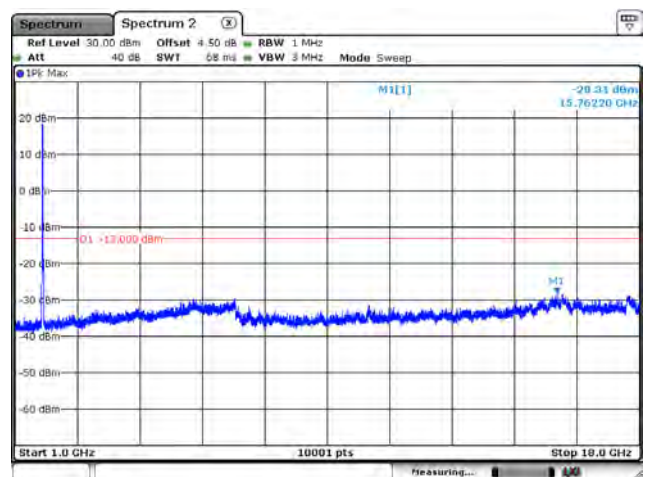
Date: 24 DEC 2021 14:19:01

B66_CH132322_15M_1RB0_QPSK_Below 1G



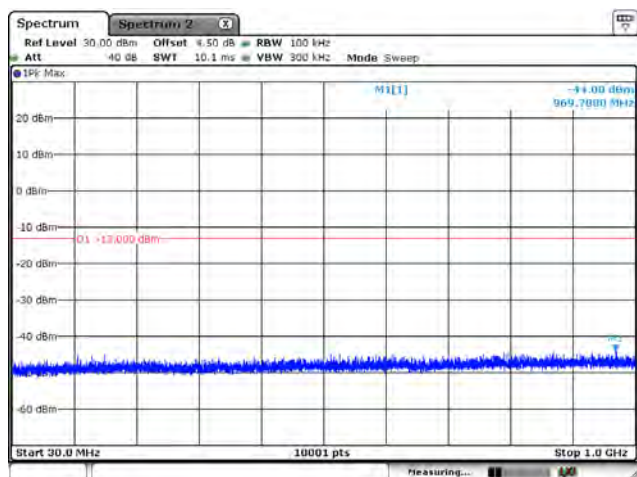
Date: 24 DEC 2021 14:20:03

B66_CH132322_15M_1RB0_QPSK_Above 1G



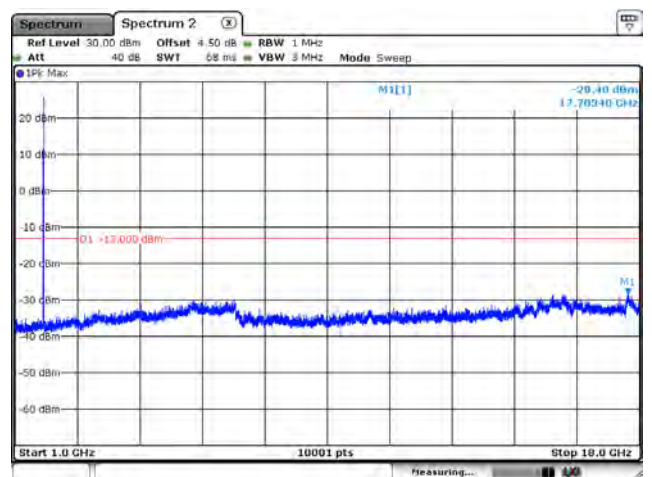
Date: 24 DEC 2021 14:19:37

B66_CH132597_15M_1RB0_QPSK_Below 1G



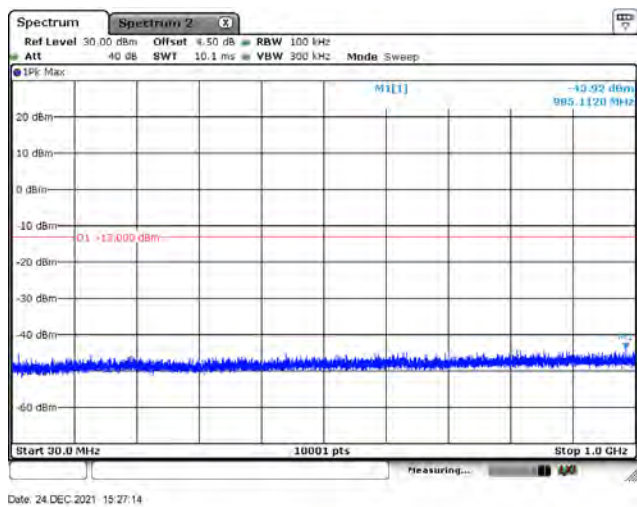
Date: 24 DEC 2021 14:20:29

B66_CH132597_15M_1RB0_QPSK_Above 1G

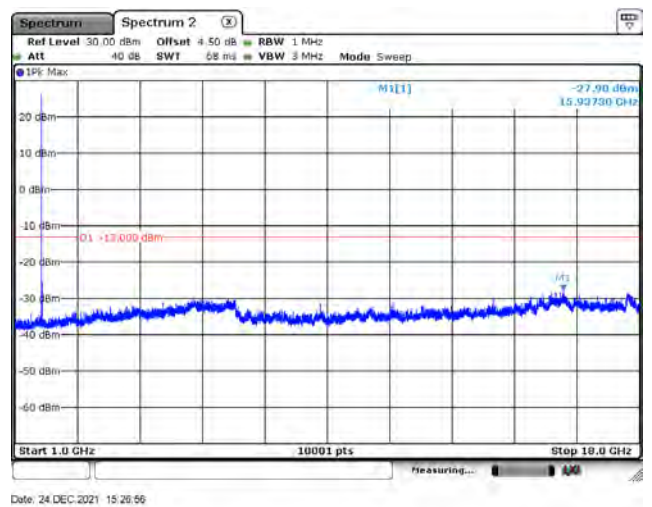


Date: 24 DEC 2021 14:20:54

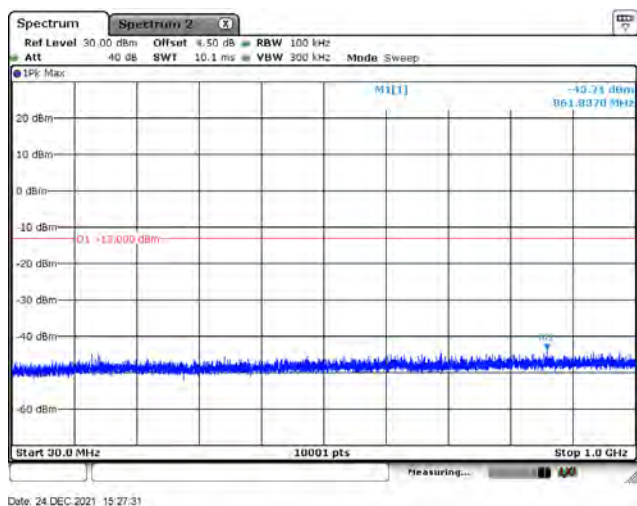
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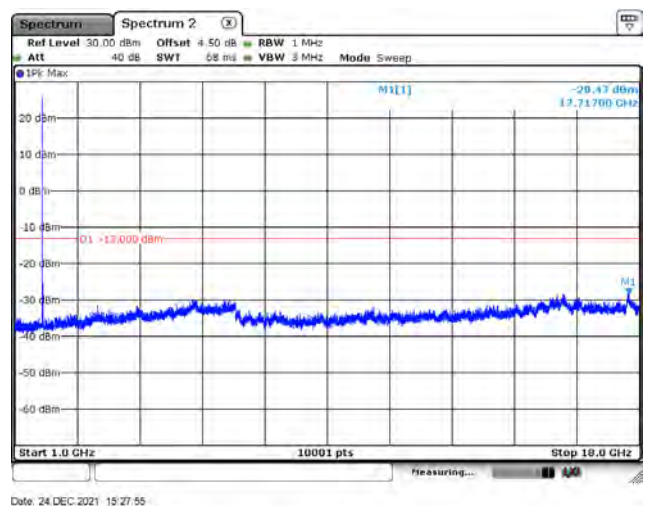
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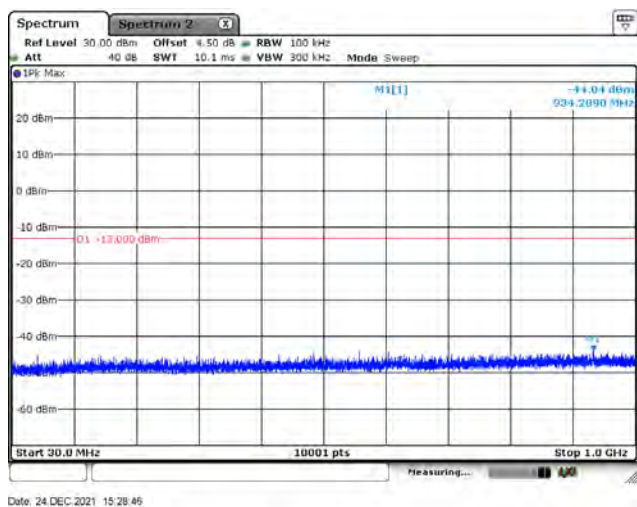
B66_CH132322_20M_1RB0_QPSK_Below 1G



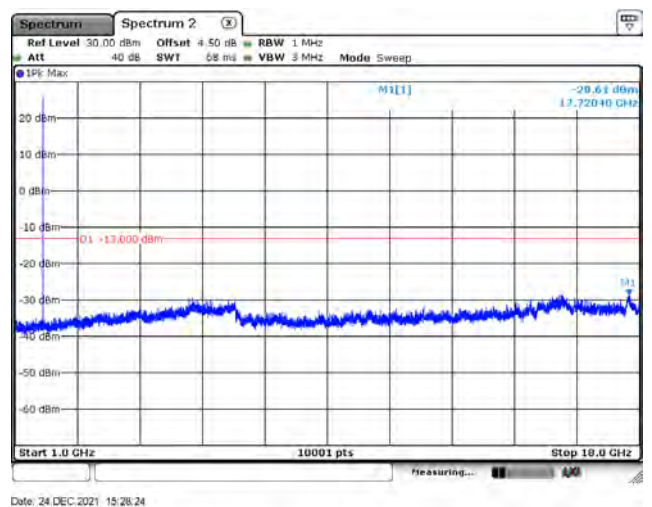
B66_CH132322_20M_1RB0_QPSK_Above 1G

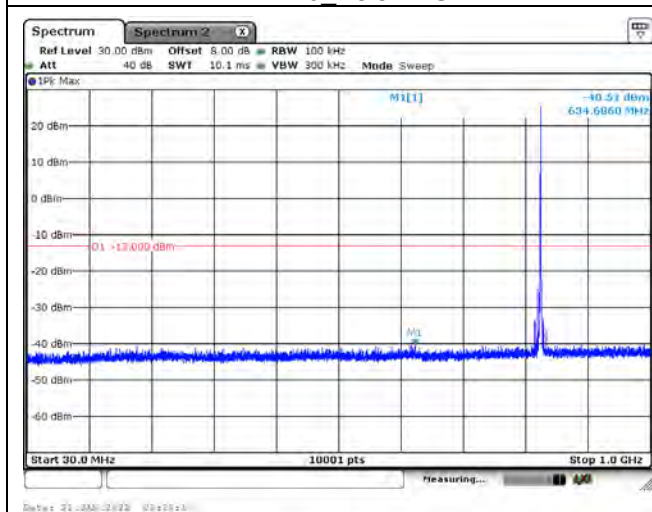
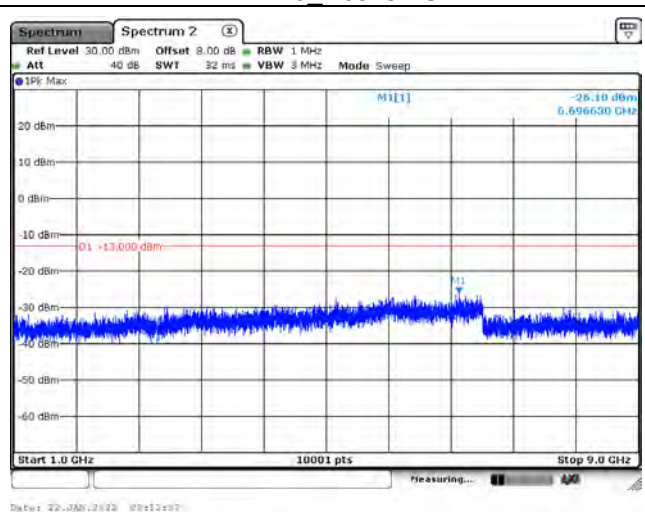
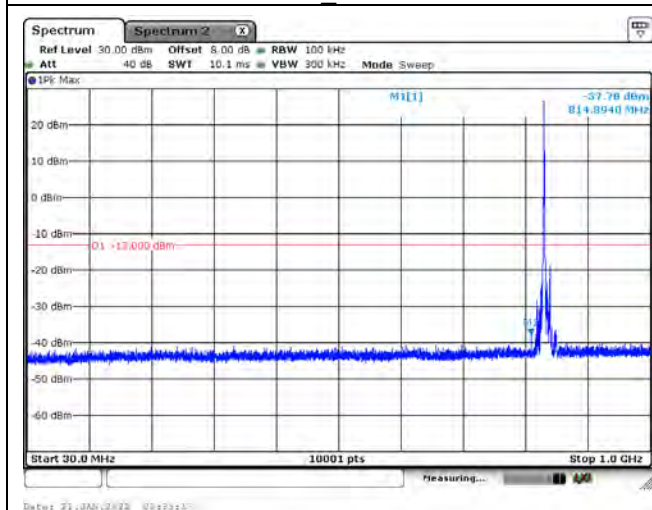
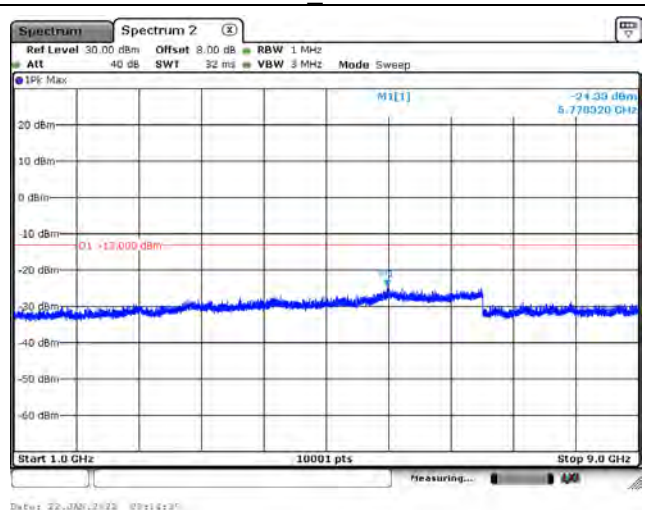
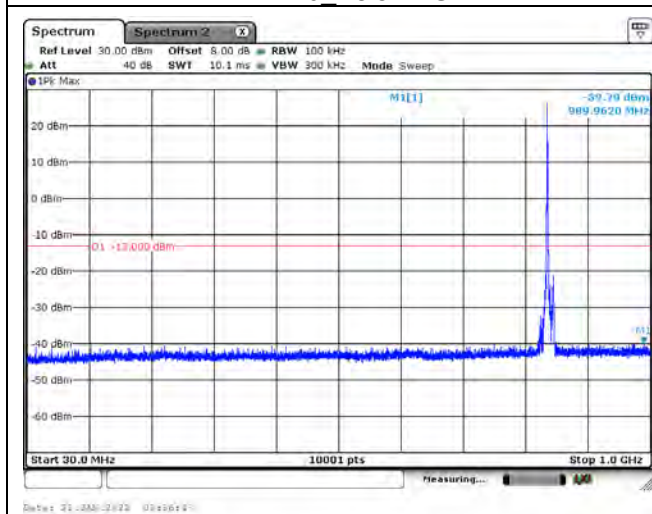
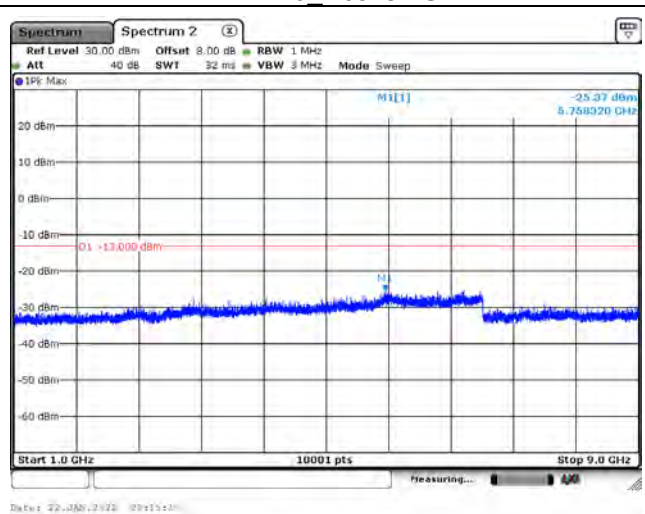


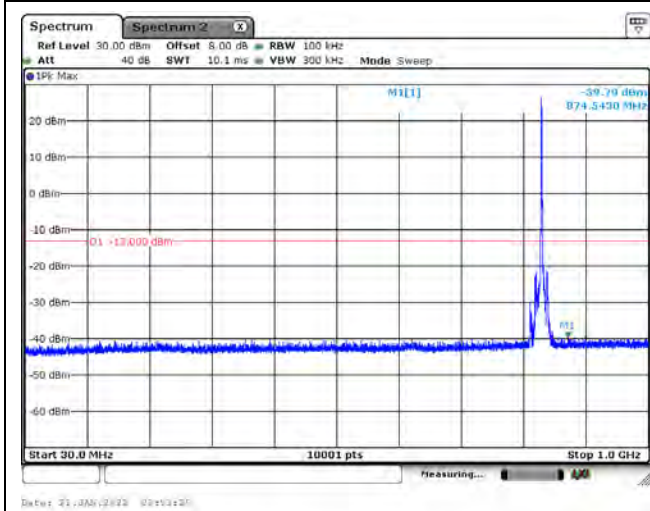
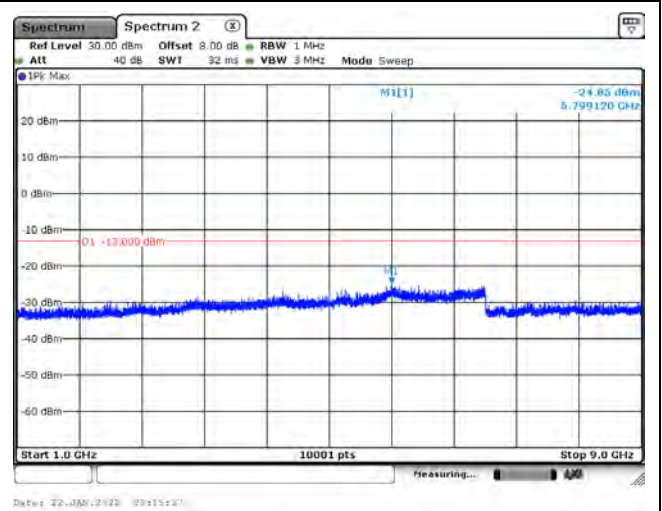
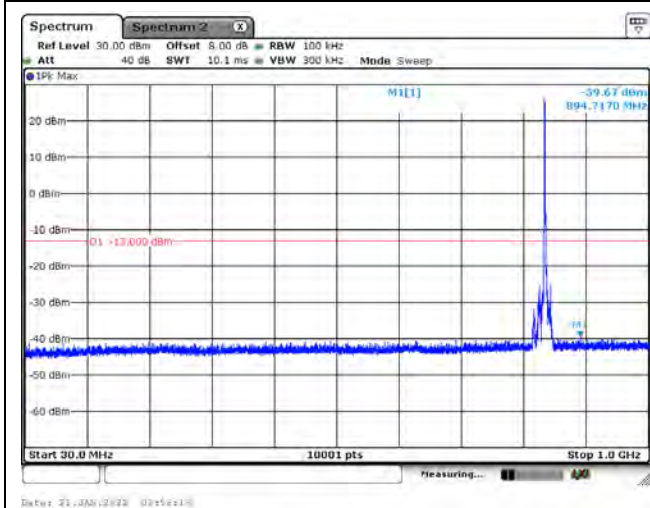
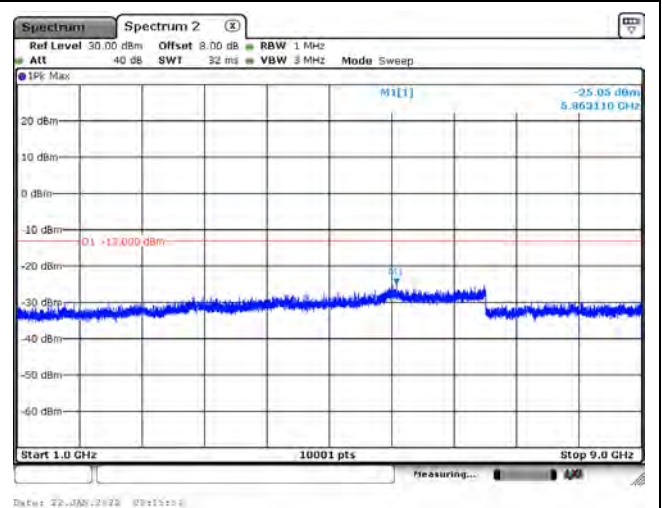
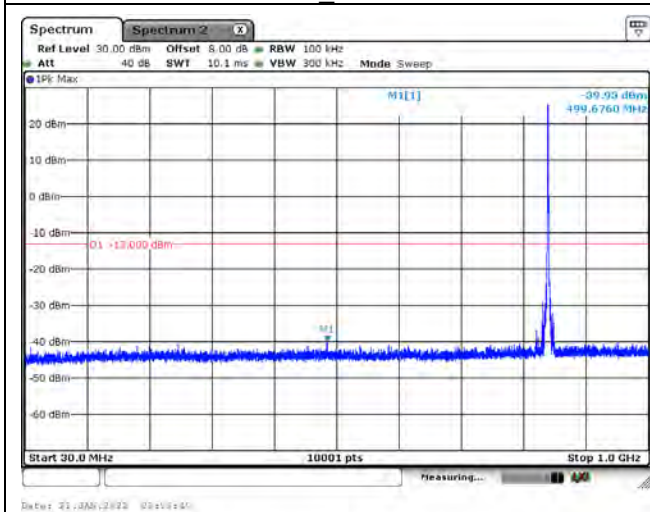
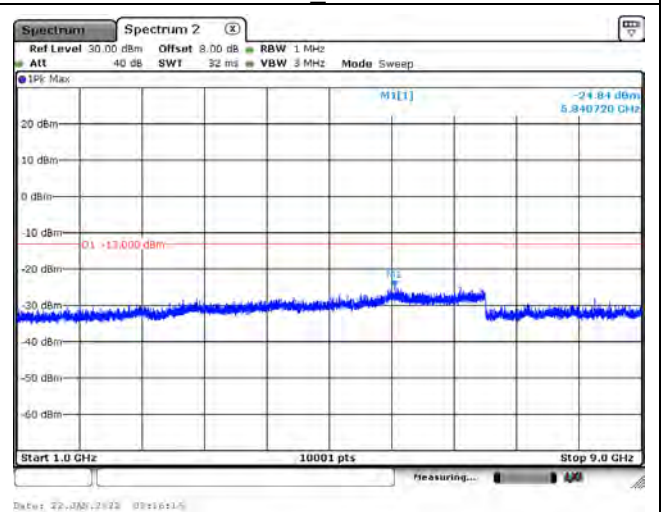
B66_CH132572_20M_1RB0_QPSK_Below 1G

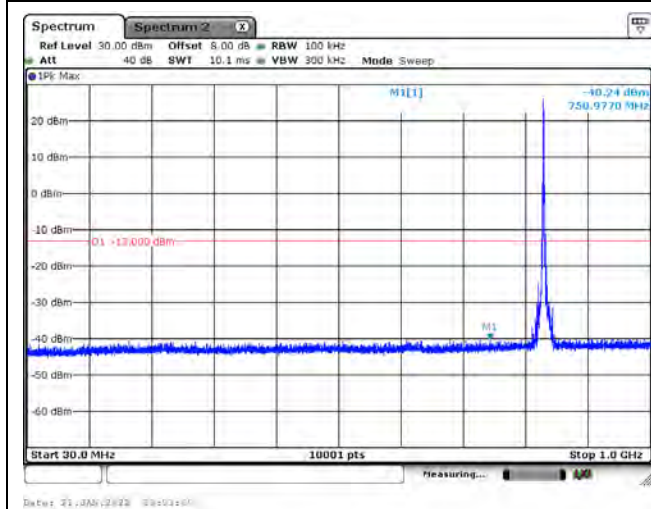
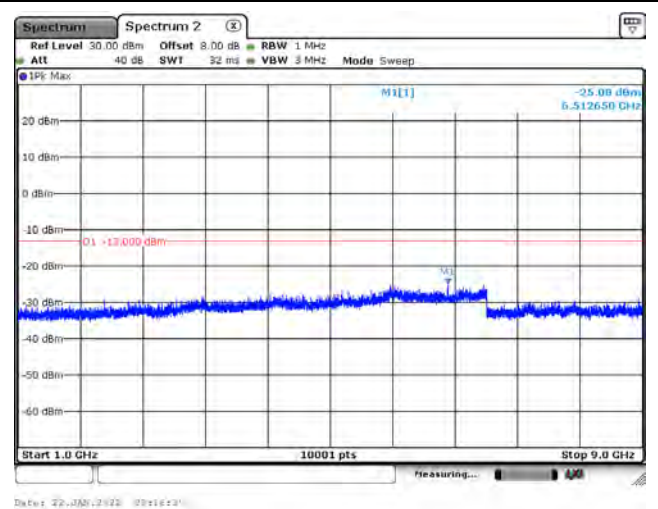
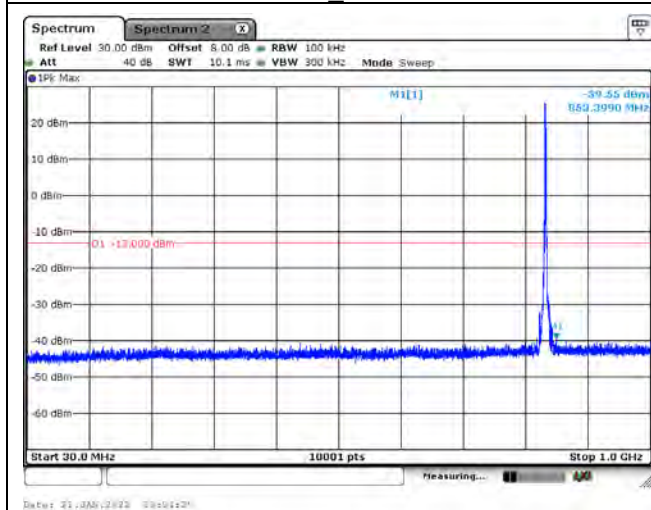
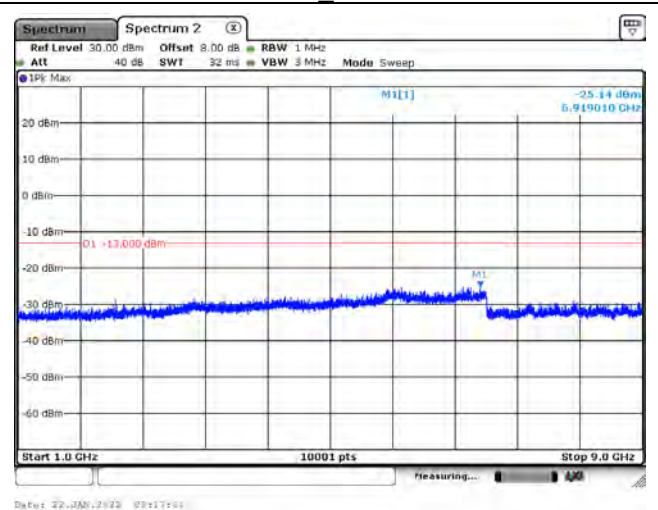
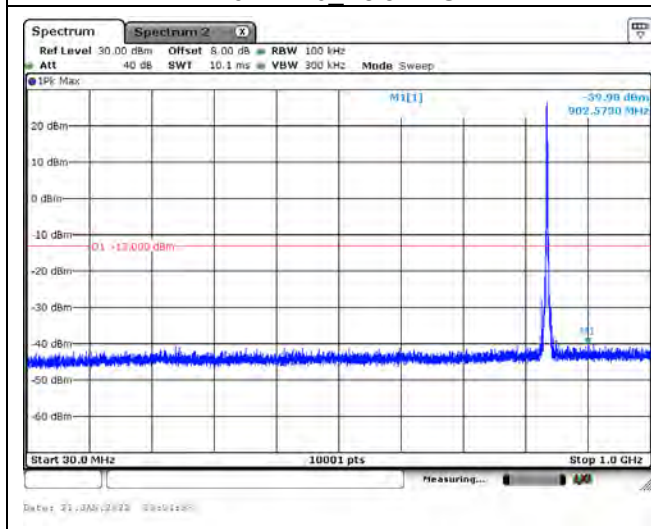
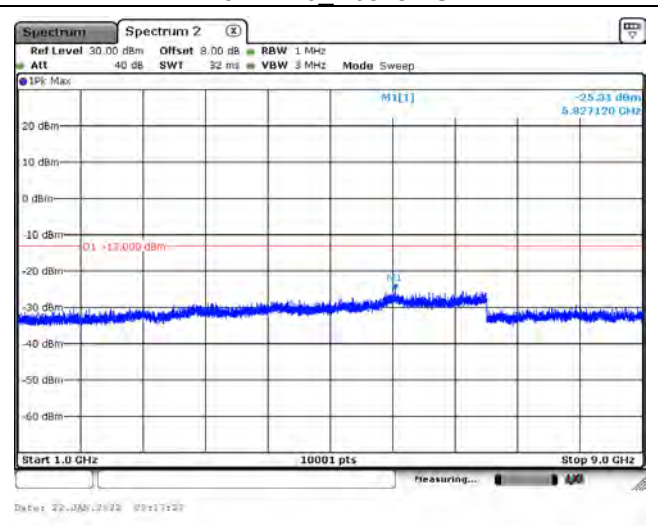


B66_CH132572_20M_1RB0_QPSK_Above 1G



Mode 7: LTE CA Band 5BCA_5B_CH20428+CH20500_5M+10M_QPSK_1RB2
4+1RB0 Below 1GCA_5B_CH20428+CH20500_5M+10M_QPSK_1RB2
4+1RB0 Above 1GCA_5B_CH20478+CH20550_5M+10M_QPSK_1RB2
4+1RB0 Below 1GCA_5B_CH20478+CH20550_5M+10M_QPSK_1RB2
4+1RB0 Above 1GCA_5B_CH20528+CH20600_5M+10M_QPSK_1RB2
4+1RB0 Below 1GCA_5B_CH20528+CH20600_5M+10M_QPSK_1RB2
4+1RB0 Above 1G

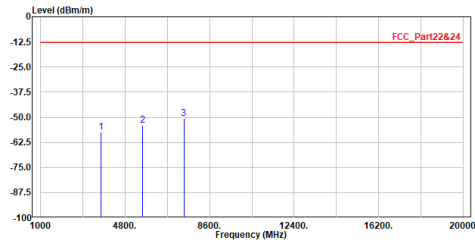
CA_5B_CH20450+CH20522_10M+5M_QPSK_1RB4
9+1RB0_Below 1GCA_5B_CH20450+CH20522_10M+5M_QPSK_1RB4
9+1RB0_Above 1GCA_5B_CH20500+CH20572_10M+5M_QPSK_1RB4
9+1RB0_Below 1GCA_5B_CH20500+CH20572_10M+5M_QPSK_1RB4
9+1RB0_Above 1GCA_5B_CH20550+CH20622_10M+5M_QPSK_1RB4
9+1RB0_Below 1GCA_5B_CH20550+CH20622_10M+5M_QPSK_1RB4
9+1RB0_Above 1G

CA_5B_CH20450+CH20549_10M+10M_QPSK_1RB
49+1RB0_Below 1GCA_5B_CH20450+CH20549_10M+10M_QPSK_1RB
49+1RB0_Above 1GCA_5B_CH20476+CH20575_10M+10M_QPSK_1RB
49+1RB0_Below 1GCA_5B_CH20476+CH20575_10M+10M_QPSK_1RB
49+1RB0_Above 1GCA_5B_CH20501+CH20600_10M+10M_QPSK_1RB
49+1RB0_Below 1GCA_5B_CH20501+CH20600_10M+10M_QPSK_1RB
49+1RB0_Above 1G

6.5. Test Result of Radiated Spurious Emission

Mode 1: LTE Band 2

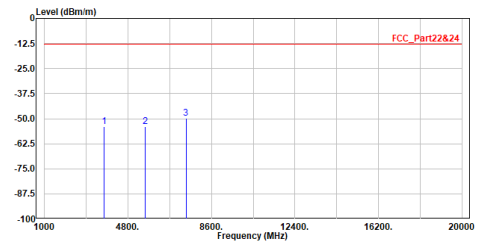
Site :CB4-H
Condition :3m Horizontal
Mode :LTE_B2_20M_Ch18700_QPSK_1RB0
Test By :Gary



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	3720.000	-57.22	-13.00	-44.22	-49.48	-7.74	Peak
2	5580.000	-54.15	-13.00	-41.15	-49.73	-4.42	Peak
3	7440.000	-50.46	-13.00	-37.46	-51.44	0.98	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.

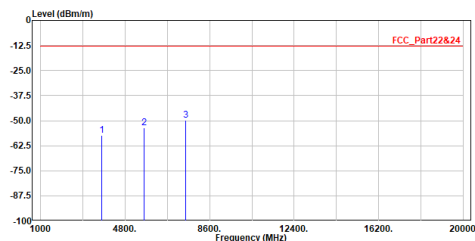
Site :CB4-H
Condition :3m Vertical
Mode :LTE_B2_20M_Ch18700_QPSK_1RB0
Test By :Gary



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	3720.000	-53.92	-13.00	-40.92	-46.18	-7.74	Peak
2	5580.000	-53.94	-13.00	-40.94	-49.52	-4.42	Peak
3	7440.000	-49.90	-13.00	-36.90	-50.88	0.98	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.

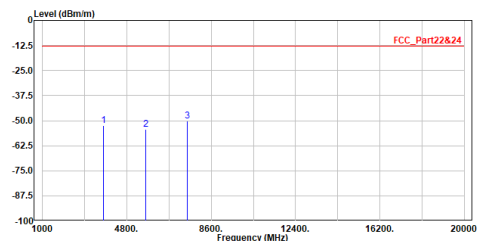
Site :CB4-H
Condition :3m Horizontal
Mode :LTE_B2_20M_Ch18900_QPSK_1RB0
Test By :Gary



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	3760.000	-57.44	-13.00	-44.44	-49.65	-7.79	Peak
2	5640.000	-53.65	-13.00	-40.65	-49.05	-4.60	Peak
3	7520.000	-49.96	-13.00	-36.96	-51.12	1.16	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.

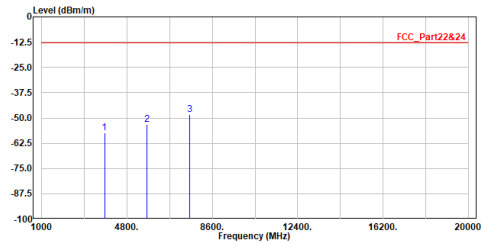
Site :CB4-H
Condition :3m Vertical
Mode :LTE_B2_20M_Ch18900_QPSK_1RB0
Test By :Gary



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	3760.000	-52.61	-13.00	-39.61	-44.82	-7.79	Peak
2	5640.000	-54.26	-13.00	-41.26	-49.66	-4.60	Peak
3	7520.000	-50.07	-13.00	-37.07	-51.23	1.16	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.

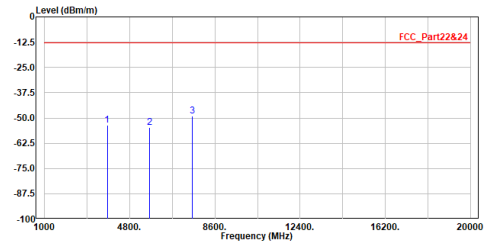
Site :CB4-H
 Condition :3m Horizontal
 Mode :LTE_B2_20M_Ch19100_QPSK_1RB0
 Test By :Gary



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	Limit	Level	dB	
1	3800.000	-57.45	-13.00	-44.45	-49.69	-7.76	Peak
2	5700.000	-53.29	-13.00	-40.29	-48.70	-4.59	Peak
3	7600.000	-48.46	-13.00	-35.46	-49.50	1.04	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 10Hz was not included since the emission levels are very low against the limit.

Site :CB4-H
 Condition :3m Vertical
 Mode :LTE_B2_20M_Ch19100_QPSK_1RB0
 Test By :Gary

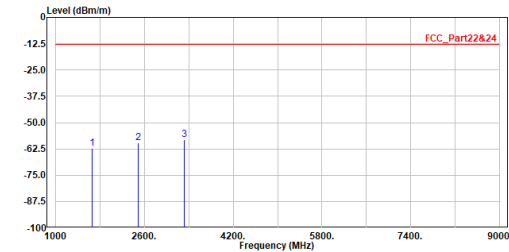


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	Limit	Level	dB	
1	3800.000	-53.68	-13.00	-40.68	-45.92	-7.76	Peak
2	5700.000	-54.66	-13.00	-41.66	-50.07	-4.59	Peak
3	7600.000	-49.24	-13.00	-36.24	-50.28	1.04	Peak

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 10Hz was not included since the emission levels are very low against the limit.

Mode 2: LTE Band 5

Site :CB4-H
Condition :3m Horizontal
Mode :LTE_B5_10M_Ch20450_QPSK_1RB0
Test By :Gary

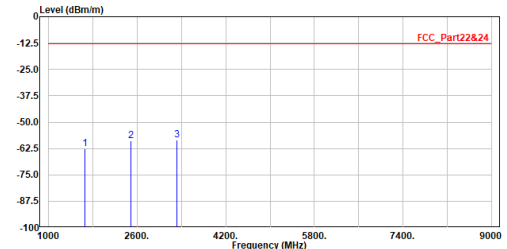


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1658.000	-62.12	-13.00	-49.12	-48.37	-13.75	Peak
2	2487.000	-59.60	-13.00	-46.60	-49.46	-10.14	Peak
3	3316.000	-58.29	-13.00	-45.29	-49.54	-8.75	Peak

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 (dBuVm) 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 :CB4-H
Condition :3m Vertical
Mode :LTE_B5_10M_Ch20450_QPSK_1RB0
Test By :Gary

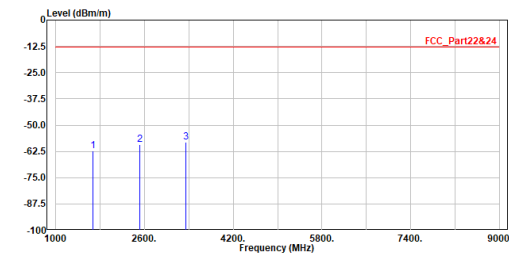


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1658.000	-62.60	-13.00	-49.60	-48.85	-13.75	Peak
2	2487.000	-58.99	-13.00	-45.99	-48.85	-10.14	Peak
3	3316.000	-58.43	-13.00	-45.43	-49.68	-8.75	Peak

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 (dBuVm) 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 :CB4-H
Condition :3m Horizontal
Mode :LTE_B5_10M_Ch20525_QPSK_1RB0
Test By :Gary

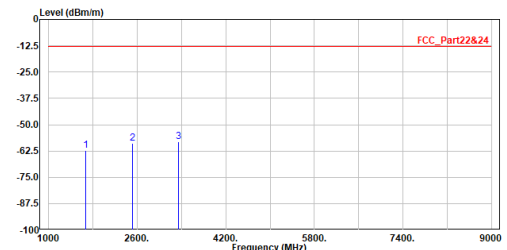


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1673.000	-62.28	-13.00	-49.28	-48.64	-13.64	Peak
2	2509.500	-59.31	-13.00	-46.31	-49.20	-10.11	Peak
3	3346.000	-58.05	-13.00	-45.05	-49.32	-8.73	Peak

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 (dBuVm) 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 :CB4-H
Condition :3m Vertical
Mode :LTE_B5_10M_Ch20525_QPSK_1RB0
Test By :Gary

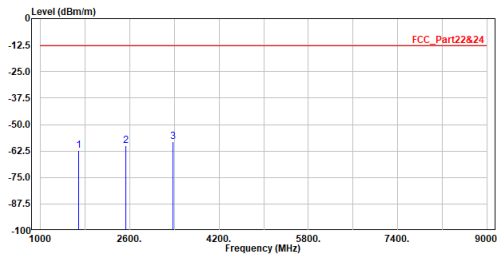


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1673.000	-62.24	-13.00	-49.24	-48.60	-13.64	Peak
2	2509.500	-58.93	-13.00	-45.93	-48.82	-10.11	Peak
3	3346.000	-58.12	-13.00	-45.12	-49.39	-8.73	Peak

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 (dBuVm) 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 :CB4-H
Condition :3m Horizontal
Mode :LTE_B5_10M_Ch20600_QPSK_1RB0
Test By :Gary

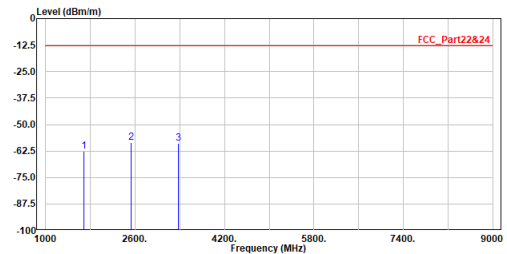


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1688.000	-62.43	-13.00	-49.43	-48.89	-13.54	Peak
2	2532.000	-59.85	-13.00	-46.85	-49.84	-10.01	Peak
3	3376.000	-58.05	-13.00	-45.05	-49.28	-8.77	Peak

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 :CB4-H
Condition :3m Vertical
Mode :LTE_B5_10M_Ch20600_QPSK_1RB0
Test By :Gary



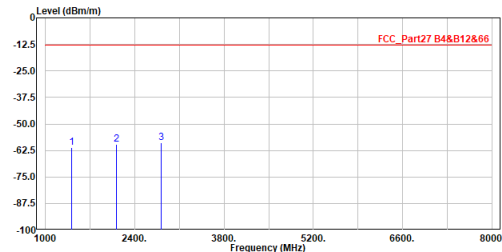
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1688.000	-62.79	-13.00	-49.79	-49.25	-13.54	Peak
2	2532.000	-58.68	-13.00	-45.68	-48.67	-10.01	Peak
3	3376.000	-58.80	-13.00	-45.80	-50.03	-8.77	Peak

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 12

Site :CB4-H
Condition :3m Horizontal
Mode :LTE_B12_10M_Ch23060_QPSK_1RB0
Test By :Gary

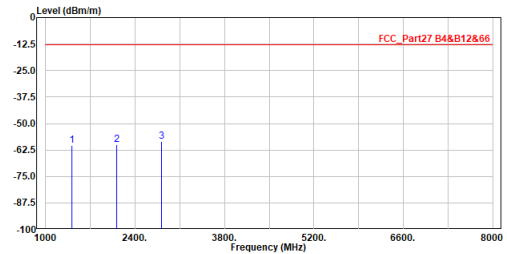


No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	1408.000	-61.12	-13.00	-48.12	-49.02	-12.10	Peak
2	2112.000	-59.55	-13.00	-46.55	-48.67	-10.88	Peak
3	2816.000	-58.71	-13.00	-45.71	-49.42	-9.29	Peak

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 (dBuVm) 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 :CB4-H
Condition :3m Vertical
Mode :LTE_B12_10M_Ch23060_QPSK_1RB0
Test By :Gary

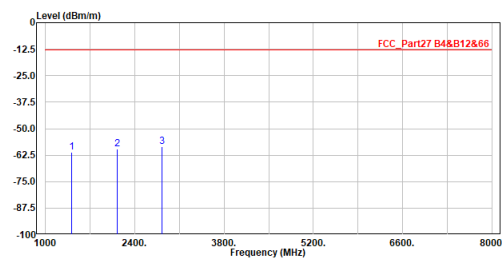


No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	1408.000	-60.54	-13.00	-47.54	-48.44	-12.10	Peak
2	2112.000	-59.90	-13.00	-46.90	-49.02	-10.88	Peak
3	2816.000	-58.56	-13.00	-45.56	-49.27	-9.29	Peak

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 (dBuVm) 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 :CB4-H
Condition :3m Horizontal
Mode :LTE_B12_10M_Ch23095_QPSK_1RB0
Test By :Gary

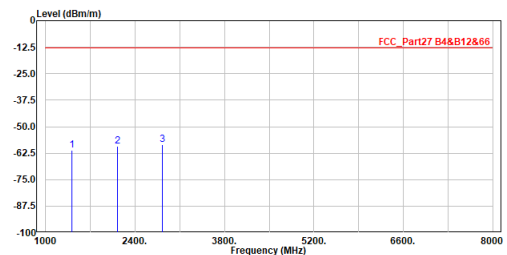


No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	1415.000	-61.09	-13.00	-48.09	-48.94	-12.15	Peak
2	2122.500	-59.55	-13.00	-46.55	-48.83	-10.72	Peak
3	2830.000	-58.61	-13.00	-45.61	-49.24	-9.37	Peak

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 (dBuVm) 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 :CB4-H
Condition :3m Vertical
Mode :LTE_B12_10M_Ch23095_QPSK_1RB0
Test By :Gary

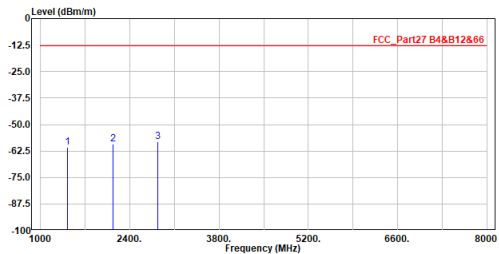


No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	1415.000	-61.13	-13.00	-48.13	-48.98	-12.15	Peak
2	2122.500	-59.41	-13.00	-46.41	-48.69	-10.72	Peak
3	2830.000	-58.47	-13.00	-45.47	-49.10	-9.37	Peak

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 (dBuVm) 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 :CB4-H
Condition :3m Horizontal
Mode :LTE_B12_10M_Ch23130_QPSK_1RB0
Test By :Gary

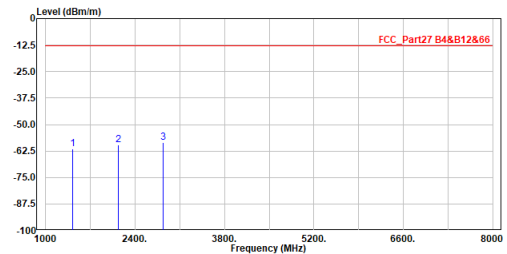


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1422.000	-60.81	-13.00	-47.81	-48.61	-12.20	Peak
2	2133.000	-59.15	-13.00	-46.15	-48.59	-10.56	Peak
3	2844.000	-58.26	-13.00	-45.26	-48.81	-9.45	Peak

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 (dBuVm) 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 :CB4-H
Condition :3m Vertical
Mode :LTE_B12_10M_Ch23130_QPSK_1RB0
Test By :Gary



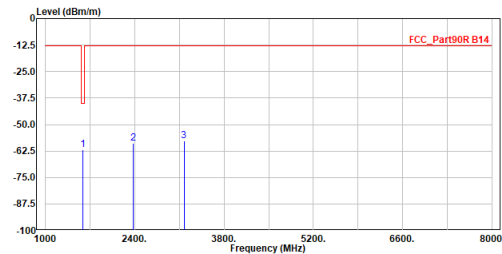
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1422.000	-61.32	-13.00	-48.32	-49.12	-12.20	Peak
2	2133.000	-59.69	-13.00	-46.69	-49.13	-10.56	Peak
3	2844.000	-58.42	-13.00	-45.42	-48.97	-9.45	Peak

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 (dBuVm) 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 14

Site :CB4-H
Condition :3m Horizontal
Mode :LTE_B14_10M_Ch23330_QPSK_1RB0
Test By :Gary



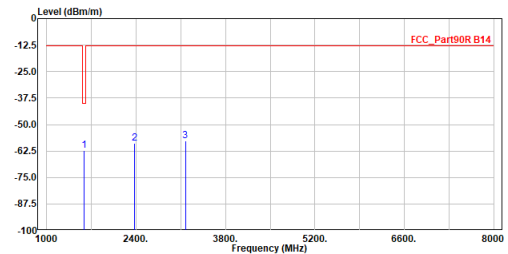
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1586.000	-61.98	-40.00	-21.98	-48.63	-13.35	Peak
2	2379.000	-58.82	-13.00	-45.82	-48.79	-10.03	Peak
3	3172.000	-57.73	-13.00	-44.73	-49.49	-8.24	Peak

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 :CB4-H
Condition :3m Vertical
Mode :LTE_B14_10M_Ch23330_QPSK_1RB0
Test By :Gary



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1586.000	-62.31	-40.00	-22.31	-48.96	-13.35	Peak
2	2379.000	-58.90	-13.00	-45.90	-48.87	-10.03	Peak
3	3172.000	-57.69	-13.00	-44.69	-49.45	-8.24	Peak

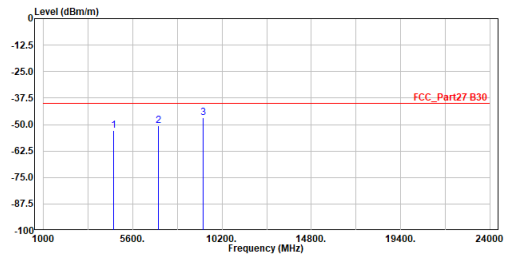
Note:

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 30

Site :CB4-H
 Condition :3m Horizontal
 Mode :LTE_B30_10M_Ch27710_QPSK_1RB0
 Test By :Gary

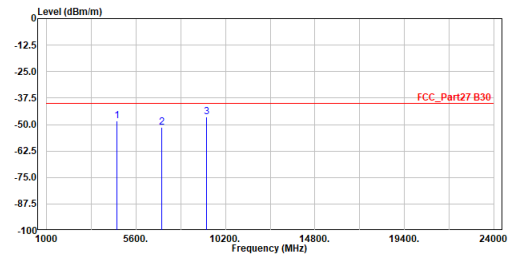


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	4620.000	-52.92	-40.00	-12.92	-47.20	-5.72	Peak
2	6930.000	-50.67	-40.00	-10.67	-49.58	-1.09	Peak
3	9240.000	-46.87	-40.00	-6.87	-52.19	5.32	Peak

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 (dBuVm) 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 :CB4-H
 Condition :3m Vertical
 Mode :LTE_B30_10M_Ch27710_QPSK_1RB0
 Test By :Gary



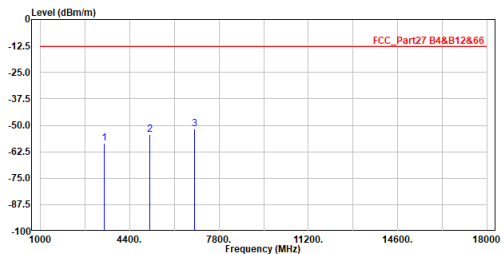
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	4620.000	-48.17	-40.00	-8.17	-42.45	-5.72	Peak
2	6930.000	-51.29	-40.00	-11.29	-50.20	-1.09	Peak
3	9240.000	-46.54	-40.00	-6.54	-51.86	5.32	Peak

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 (dBuVm) 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 6: LTE Band 66

Site :CB4-H
Condition :3m Horizontal
Mode :LTE_B66_20M_Ch132072_QPSK_1RB0
Test By :Gary

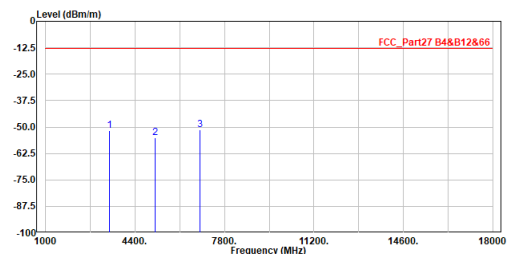


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	Limit	Level	dB	
1	3440.000	-58.58	-13.00	-45.58	-49.80	-8.78	Peak
2	5160.000	-54.30	-13.00	-41.30	-49.82	-4.48	Peak
3	6880.000	-51.79	-13.00	-38.79	-50.45	-1.34	Peak

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 (dBuVm) 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 :CB4-H
Condition :3m Vertical
Mode :LTE_B66_20M_Ch132072_QPSK_1RB0
Test By :Gary

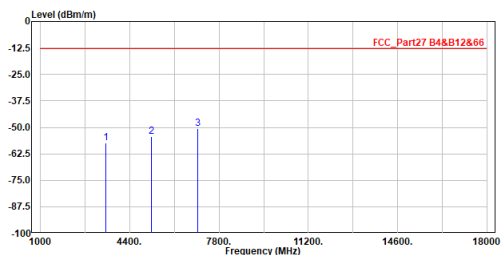


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	Limit	Level	dB	
1	3440.000	-51.81	-13.00	-38.81	-43.03	-8.78	Peak
2	5160.000	-54.93	-13.00	-41.93	-50.45	-4.48	Peak
3	6880.000	-51.26	-13.00	-38.26	-49.92	-1.34	Peak

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 (dBuVm) 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 :CB4-H
Condition :3m Horizontal
Mode :LTE_B66_20M_Ch132322_QPSK_1RB0
Test By :Gary

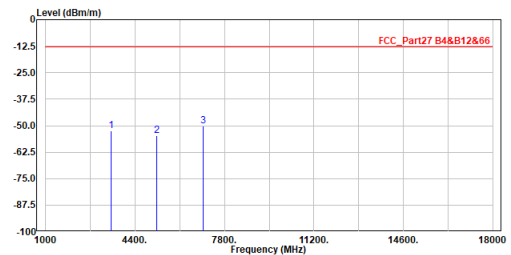


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	Limit	Level	dB	
1	3490.000	-57.23	-13.00	-44.23	-48.95	-8.28	Peak
2	5235.000	-54.33	-13.00	-41.33	-49.50	-4.83	Peak
3	6980.000	-50.74	-13.00	-37.74	-50.00	-0.74	Peak

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 (dBuVm) 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 :CB4-H
Condition :3m Vertical
Mode :LTE_B66_20M_Ch132322_QPSK_1RB0
Test By :Gary

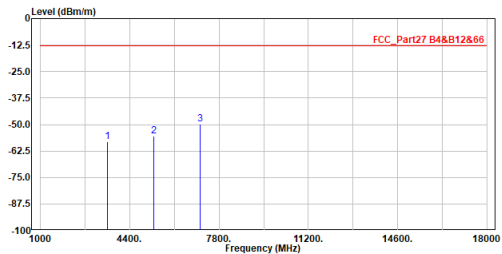


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	Limit	Level	dB	
1	3490.000	-52.47	-13.00	-39.47	-44.19	-8.28	Peak
2	5235.000	-54.65	-13.00	-41.65	-49.82	-4.83	Peak
3	6980.000	-50.35	-13.00	-37.35	-49.61	-0.74	Peak

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 (dBuVm) 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 :CB4-H
Condition :3m Horizontal
Mode :LTE_B66_20M_Ch132572_QPSK_1RB0
Test By :Gary

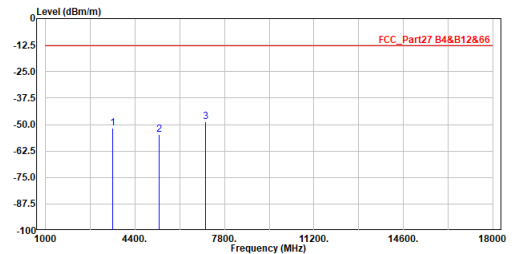


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3540.000	-57.95	-13.00	-44.95	-49.89	-8.06	Peak
2	5310.000	-55.56	-13.00	-42.56	-50.34	-5.22	Peak
3	7080.000	-49.96	-13.00	-36.96	-50.03	0.07	Peak

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 (dBuVm) 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 :CB4-H
Condition :3m Vertical
Mode :LTE_B66_20M_Ch132572_QPSK_1RB0
Test By :Gary



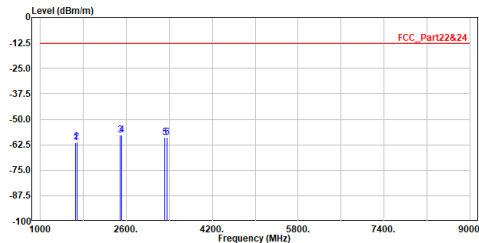
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3540.000	-51.62	-13.00	-38.62	-43.56	-8.06	Peak
2	5310.000	-54.69	-13.00	-41.69	-49.47	-5.22	Peak
3	7080.000	-48.78	-13.00	-35.78	-48.85	0.07	Peak

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 (dBuVm) 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 7: LTE CA Band 5B

Site :CB4-H
Condition :3m Horizontal
Mode :LTE_B5_10M+10M_Ch20450+Ch20549_QPSK
Test By :Gary

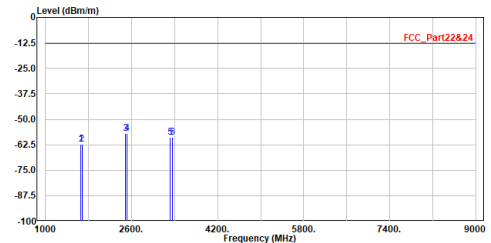


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	1658.000	-61.57	-13.00	-48.57	-47.82	-13.75	Peak
2	1677.800	-61.01	-13.00	-48.01	-47.40	-13.61	Peak
3	2487.000	-57.74	-13.00	-44.74	-47.60	-10.14	Peak
4	2516.700	-57.80	-13.00	-44.80	-47.72	-10.08	Peak
5	3316.000	-58.82	-13.00	-45.82	-50.07	-8.75	Peak
6	3355.600	-58.87	-13.00	-45.87	-50.13	-8.74	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)
 $= 107 + 20\log(3) = 104.8 = 11.8 \text{ dB}$
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 :CB4-H
Condition :3m Vertical
Mode :LTE_B5_10M+10M_Ch20450+Ch20549_QPSK
Test By :Gary

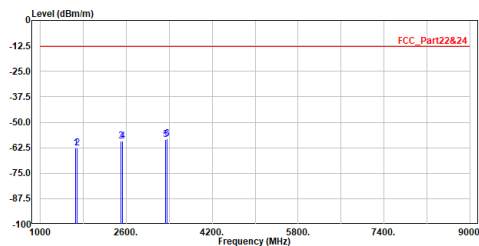


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	1658.000	-62.08	-13.00	-49.08	-48.33	-13.75	Peak
2	1677.800	-62.15	-13.00	-49.15	-48.54	-13.61	Peak
3	2487.000	-57.01	-13.00	-44.01	-46.87	-10.14	Peak
4	2516.700	-57.10	-13.00	-44.10	-47.02	-10.08	Peak
5	3316.000	-58.70	-13.00	-45.70	-49.95	-8.75	Peak
6	3355.600	-58.78	-13.00	-45.78	-50.04	-8.74	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)
 $= 107 + 20\log(3) = 104.8 = 11.8 \text{ dB}$
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 :CB4-H
Condition :3m Horizontal
Mode :LTE_B5_10M+10M_Ch20476+Ch20575_QPSK
Test By :Gary

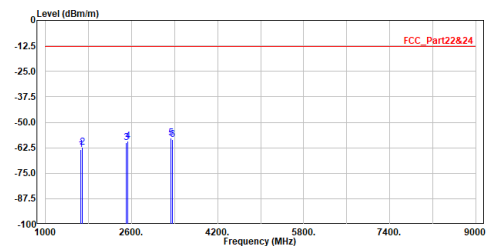


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	1663.200	-62.78	-13.00	-49.78	-49.07	-13.71	Peak
2	1683.000	-62.61	-13.00	-49.61	-49.04	-13.57	Peak
3	2494.800	-59.15	-13.00	-46.15	-49.00	-10.15	Peak
4	2524.500	-59.21	-13.00	-46.21	-49.16	-10.05	Peak
5	3326.400	-58.46	-13.00	-45.46	-49.72	-8.74	Peak
6	3366.000	-58.28	-13.00	-45.28	-49.53	-8.75	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)
 $= 107 + 20\log(3) = 104.8 = 11.8 \text{ dB}$
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 :CB4-H
Condition :3m Vertical
Mode :LTE_B5_10M+10M_Ch20476+Ch20575_QPSK
Test By :Gary

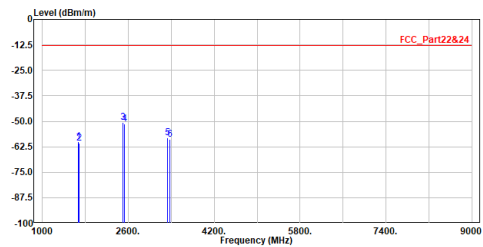


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	1663.200	-63.31	-13.00	-50.31	-49.60	-13.71	Peak
2	1683.000	-62.32	-13.00	-49.32	-48.75	-13.57	Peak
3	2494.800	-60.18	-13.00	-47.18	-50.03	-10.15	Peak
4	2524.500	-59.35	-13.00	-46.35	-49.30	-10.05	Peak
5	3326.400	-57.84	-13.00	-44.84	-49.10	-8.74	Peak
6	3366.000	-58.46	-13.00	-45.46	-49.71	-8.75	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)
 $= 107 + 20\log(3) = 104.8 = 11.8 \text{ dB}$
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 :CB4-H
Condition :3m Horizontal
Mode :LTE_B5_10M+10M_Ch20501+Ch20600_QPSK
Test By :Gary

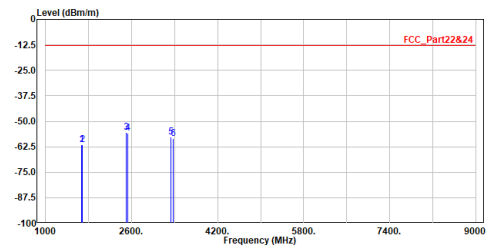


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1668.200	-60.17	-13.00	-47.17	-46.50	-13.67	Peak
2	1688.000	-60.82	-13.00	-47.82	-47.28	-13.54	Peak
3	2502.300	-50.64	-13.00	-37.64	-40.50	-10.14	Peak
4	2532.000	-51.16	-13.00	-38.16	-41.15	-10.01	Peak
5	3336.400	-58.07	-13.00	-45.07	-49.34	-8.73	Peak
6	3376.000	-58.69	-13.00	-45.69	-49.92	-8.77	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 (dBuVm) 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 :CB4-H
Condition :3m Vertical
Mode :LTE_B5_10M+10M_Ch20501+Ch20600_QPSK
Test By :Gary



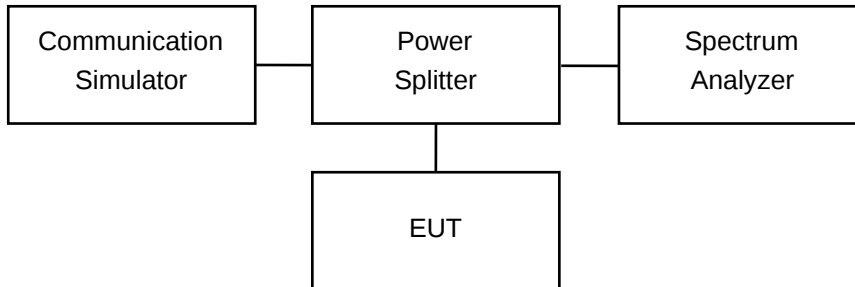
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1668.200	-61.48	-13.00	-48.48	-47.81	-13.67	Peak
2	1688.000	-61.67	-13.00	-48.67	-48.13	-13.54	Peak
3	2502.300	-55.64	-13.00	-42.64	-45.50	-10.14	Peak
4	2532.000	-55.91	-13.00	-42.91	-45.90	-10.01	Peak
5	3336.400	-57.89	-13.00	-44.89	-49.16	-8.73	Peak
6	3376.000	-58.57	-13.00	-45.57	-49.80	-8.77	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 (dBuVm) 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.

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.

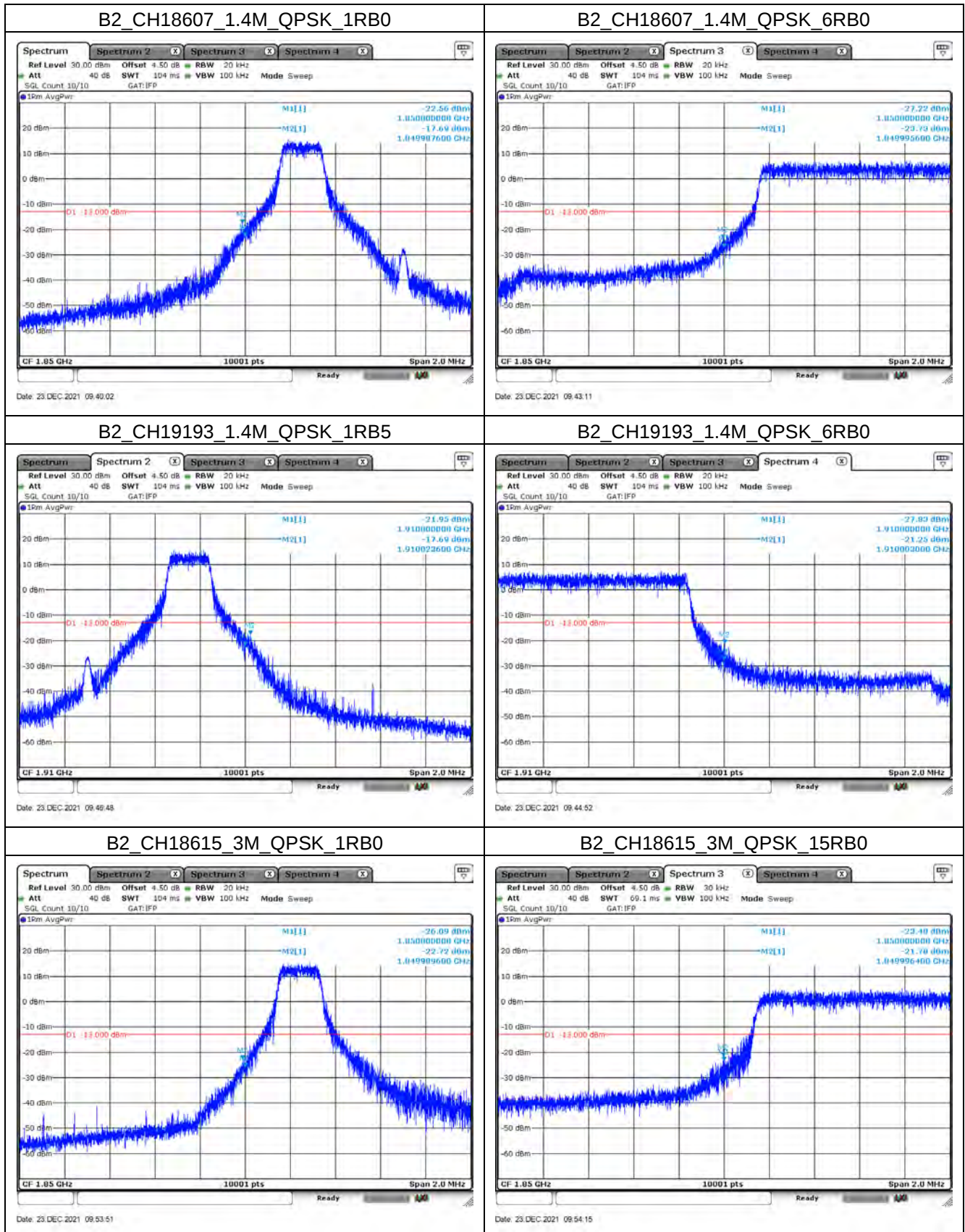
7.3. Test Methodology and Reference Procedures

KDB 971168 D01 Power Meas License Digital Systems v03r01

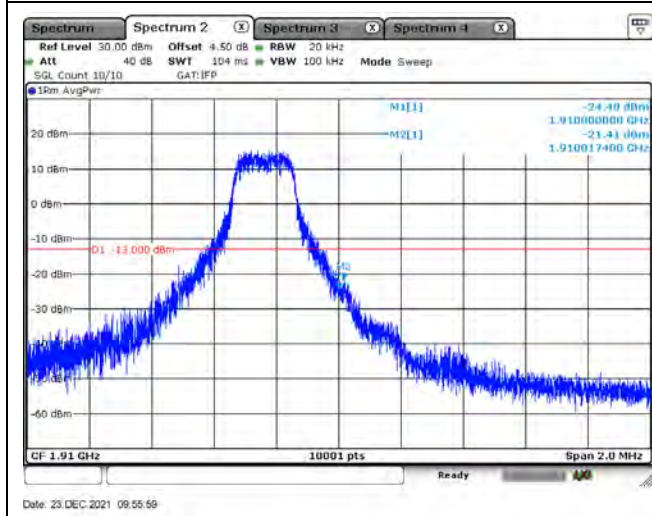
ANSI C63.26-2015

7.4. Test Result of Conducted Band Edge

Mode 1: LTE Band 2

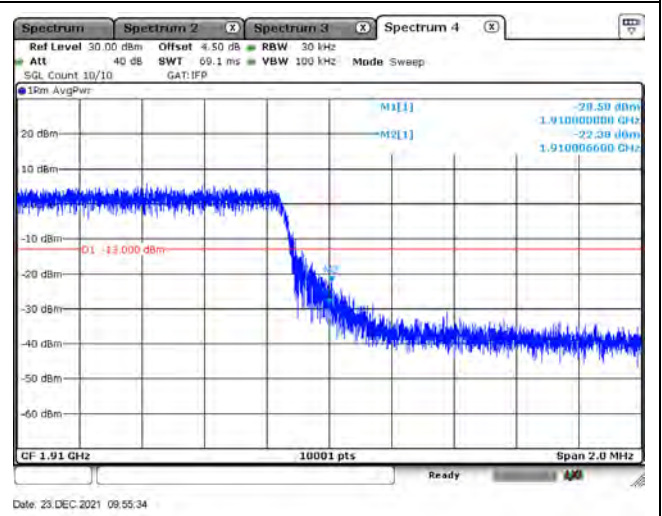


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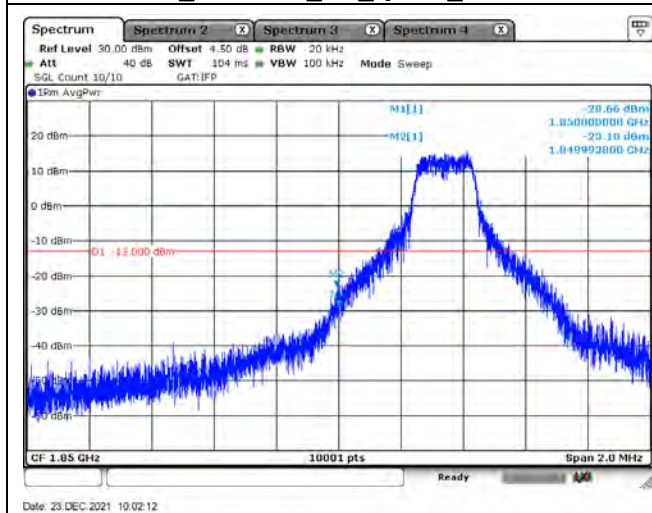
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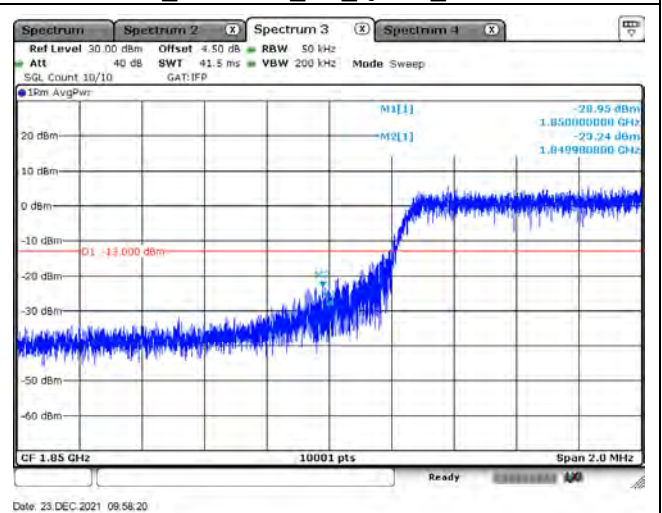
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B2_CH18625_5M_QPSK_1RB0



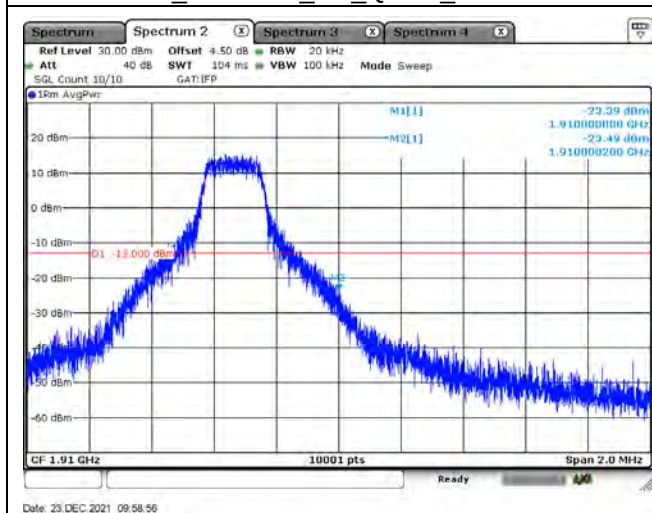
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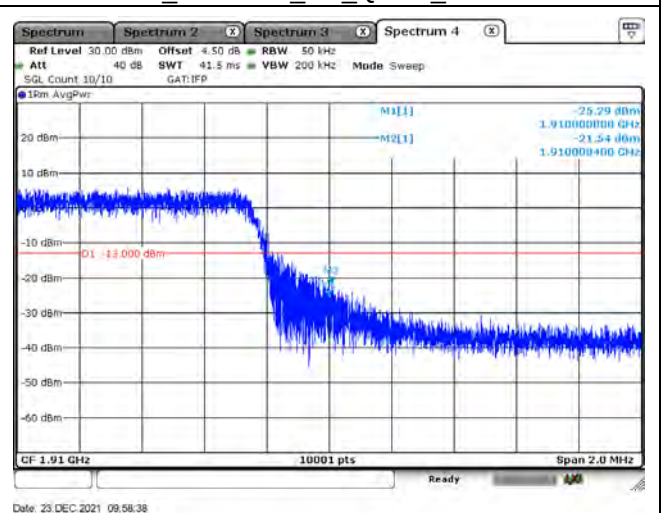
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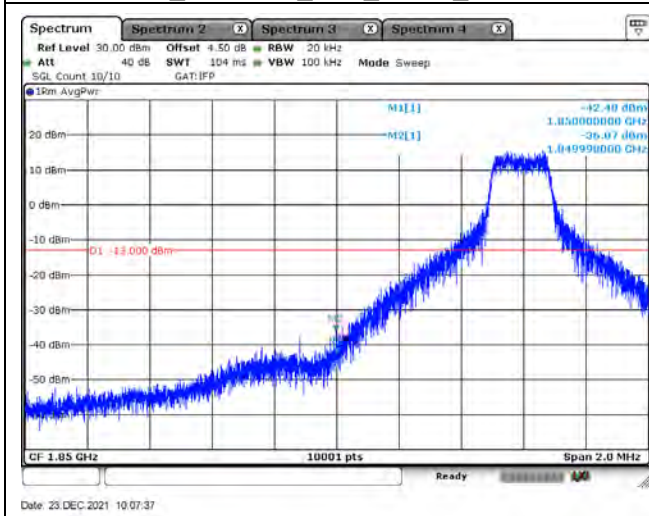
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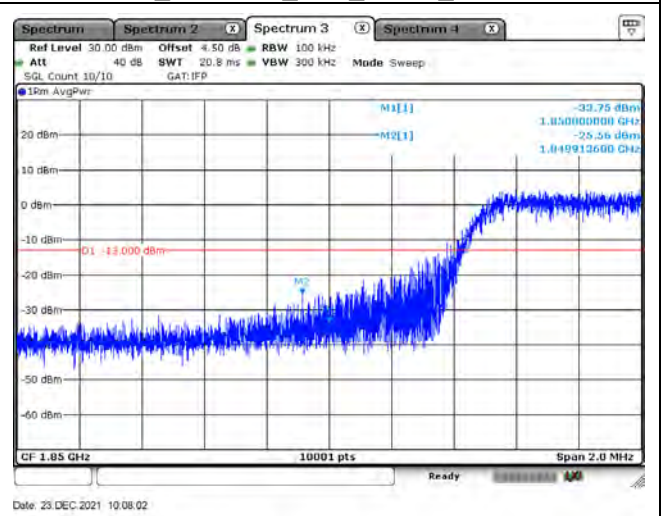


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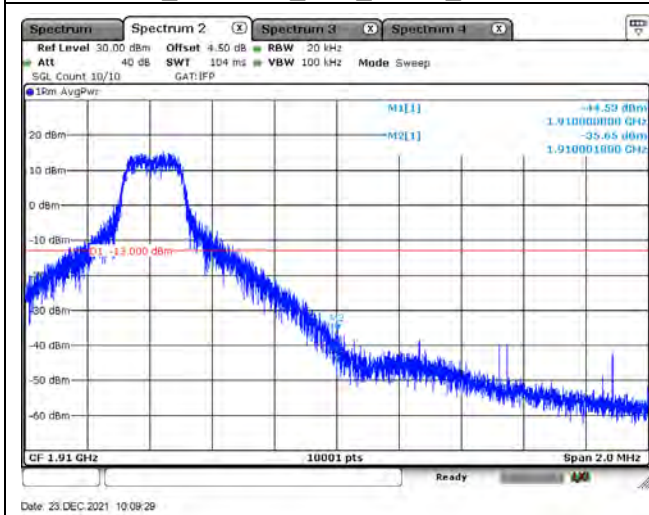
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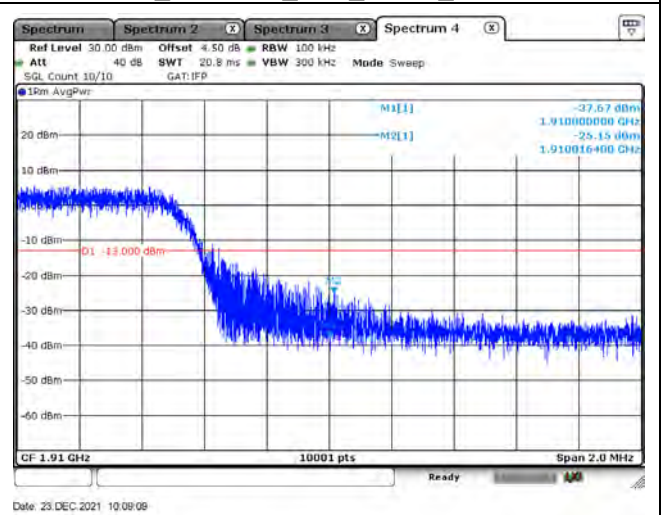
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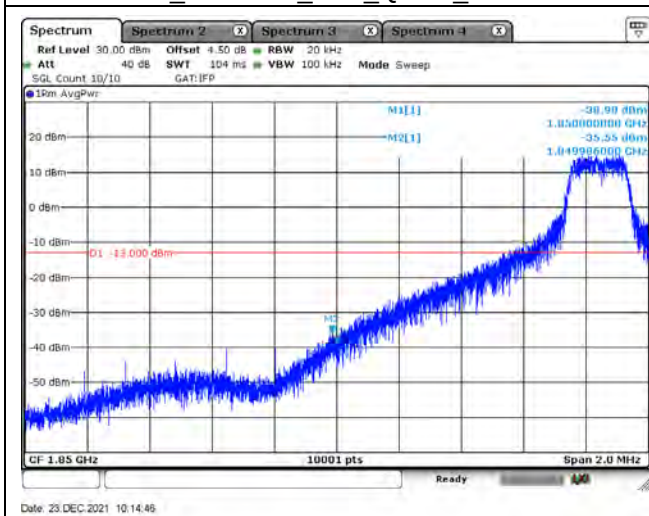
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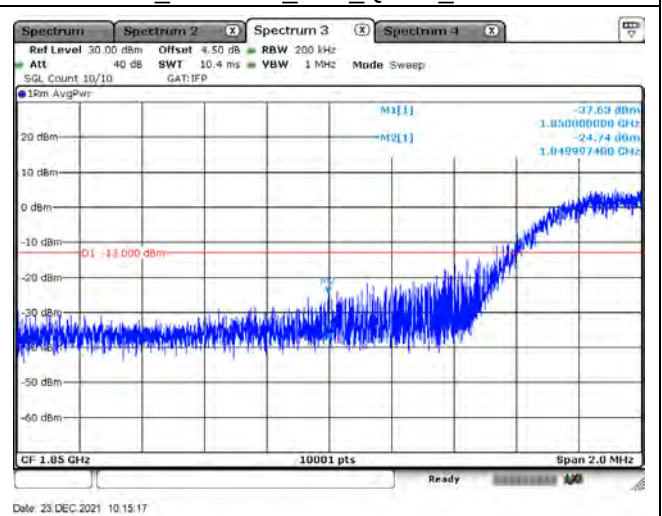
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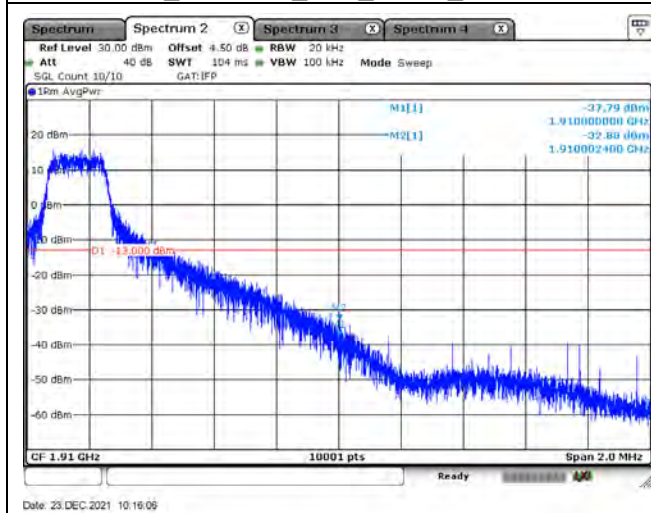
B2_CH18675_15M_QPSK_1RB0



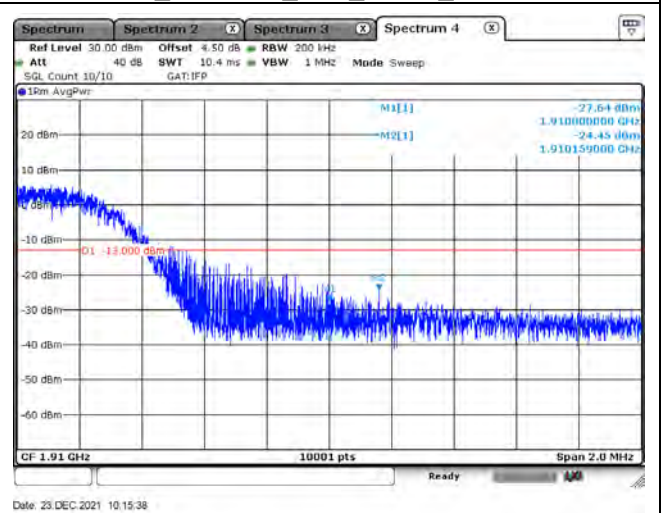
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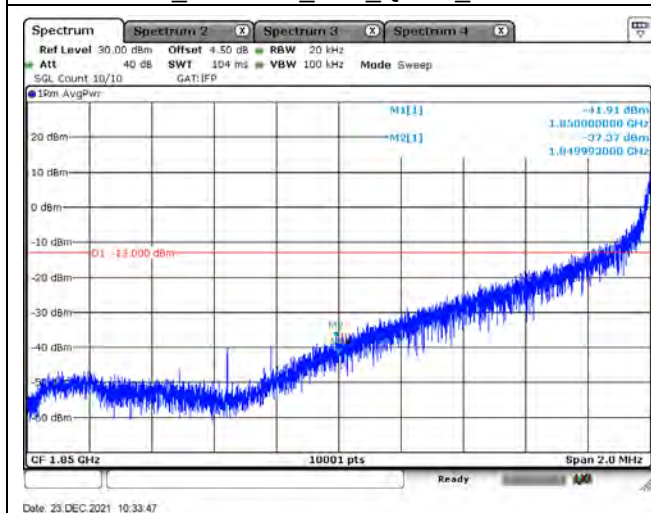
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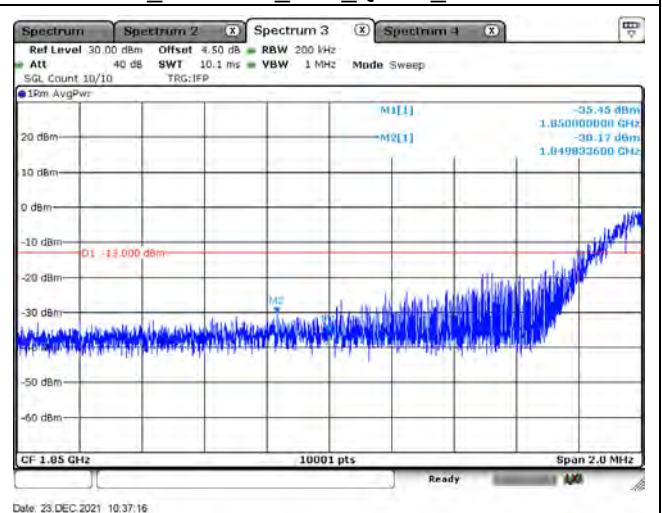
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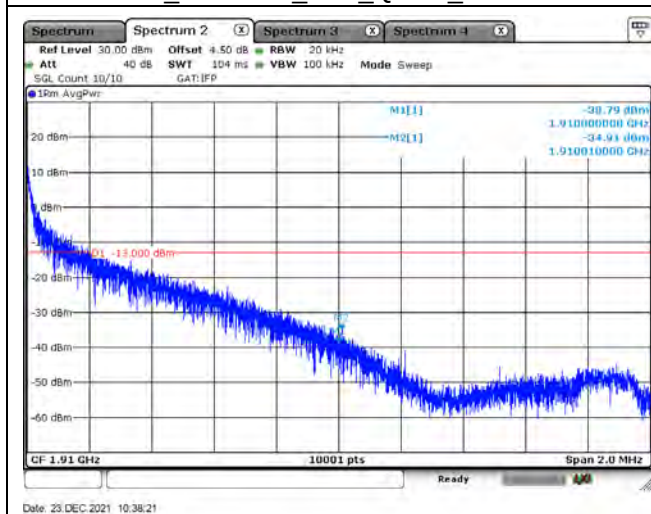
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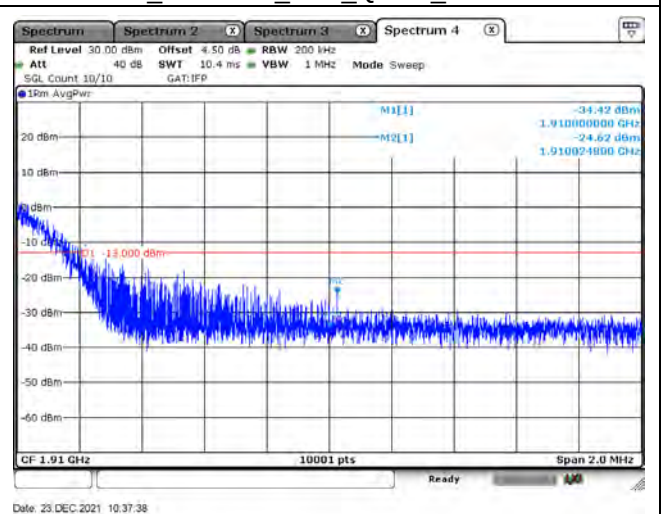
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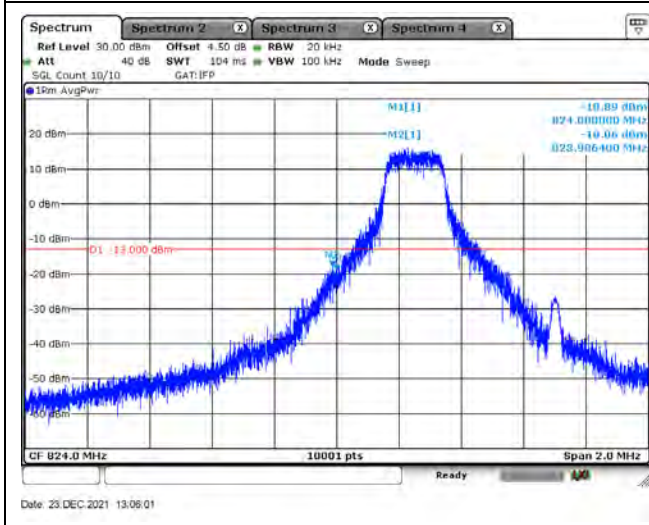
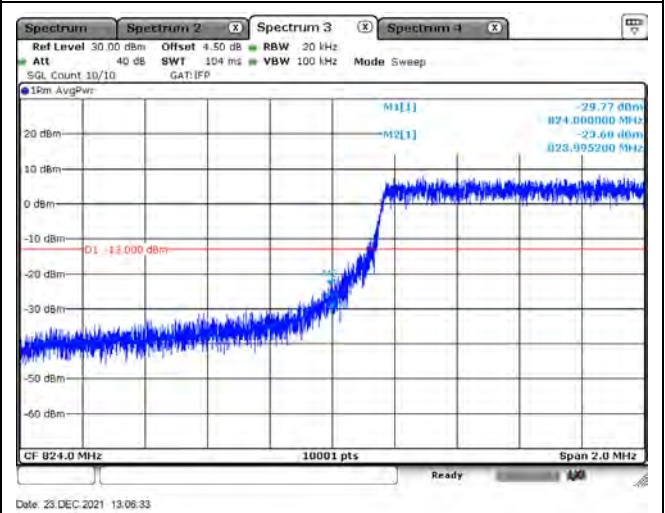
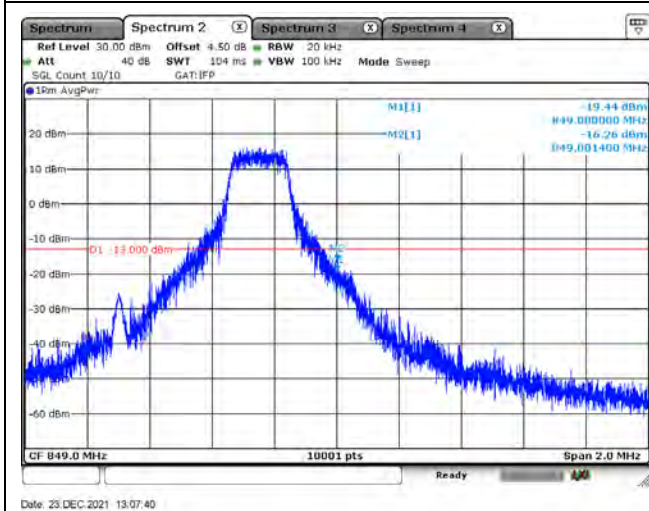
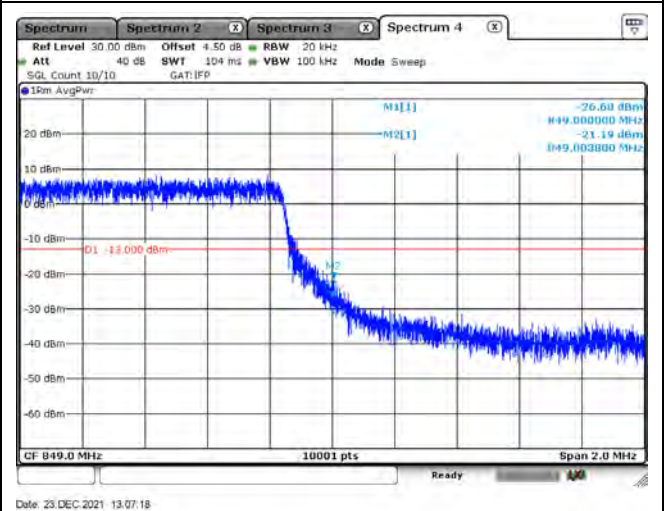
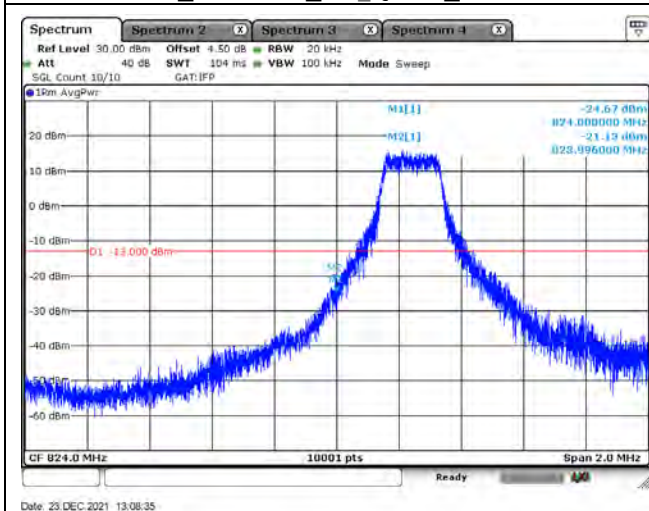
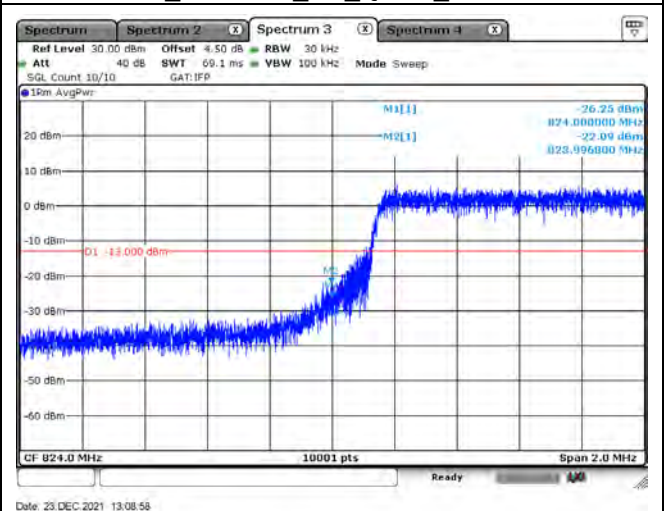


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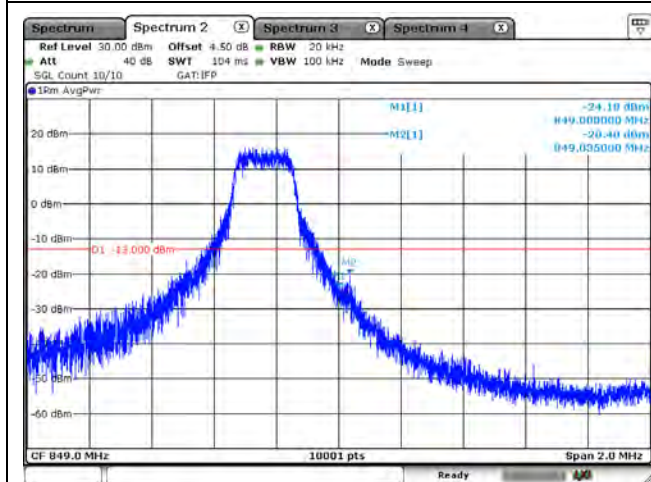


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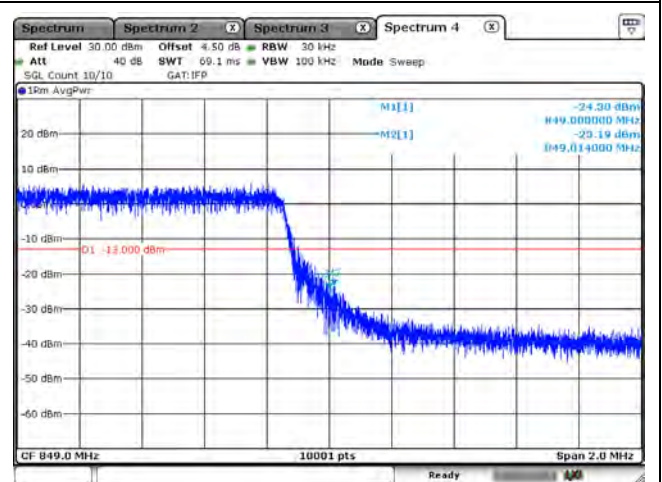
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B5_CH20635_3M_QPSK_1RB0



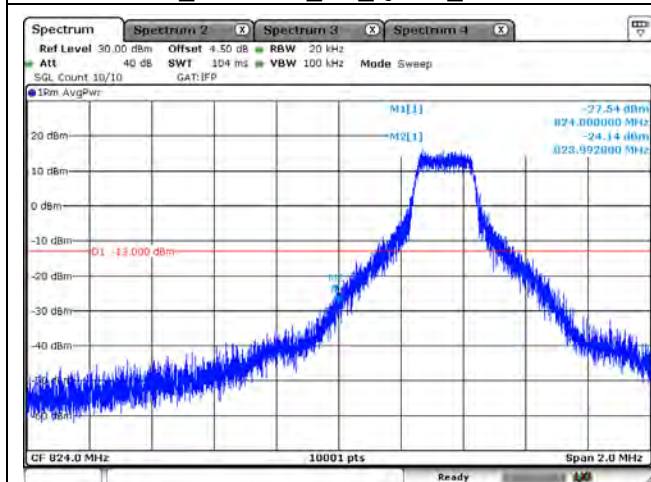
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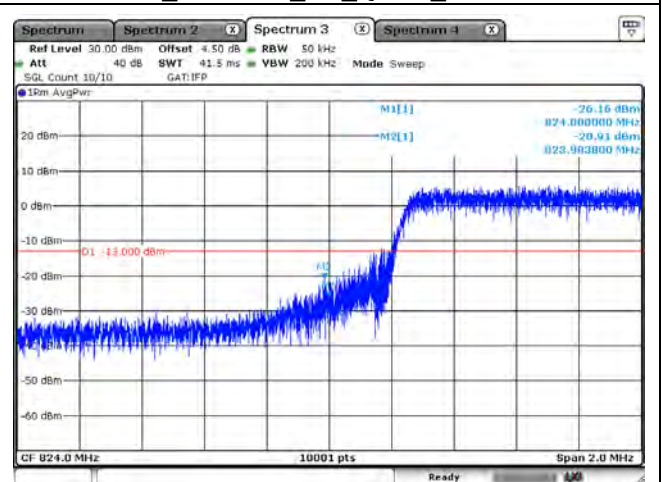
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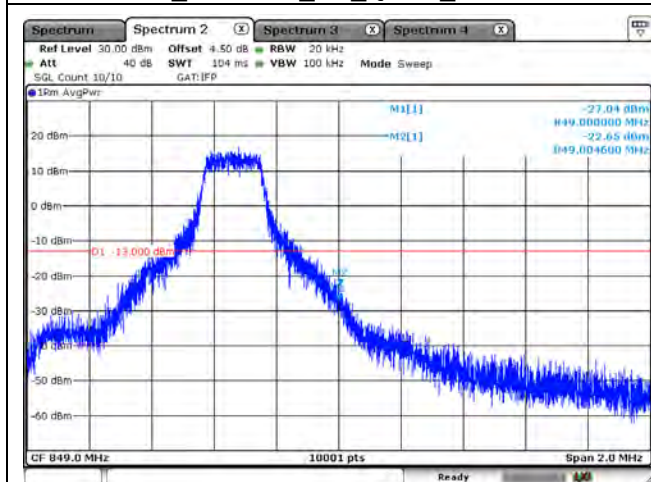
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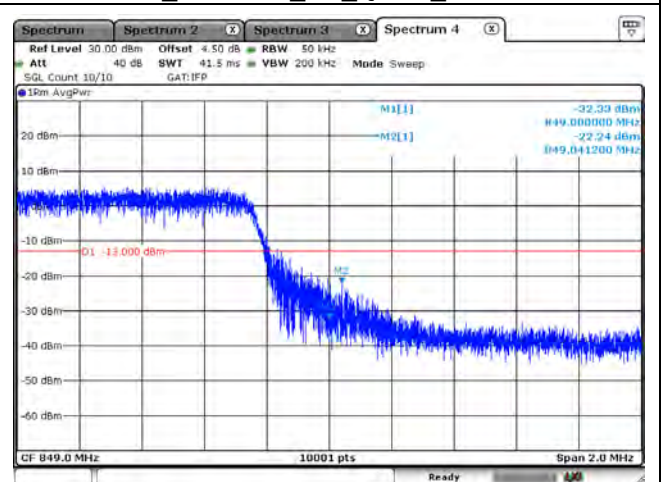
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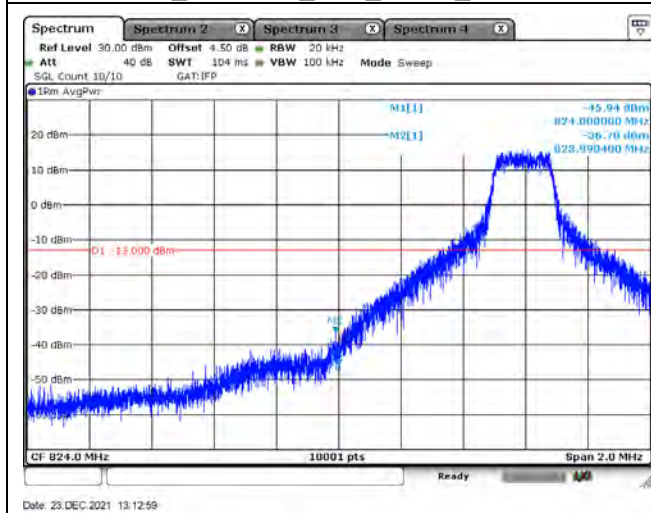
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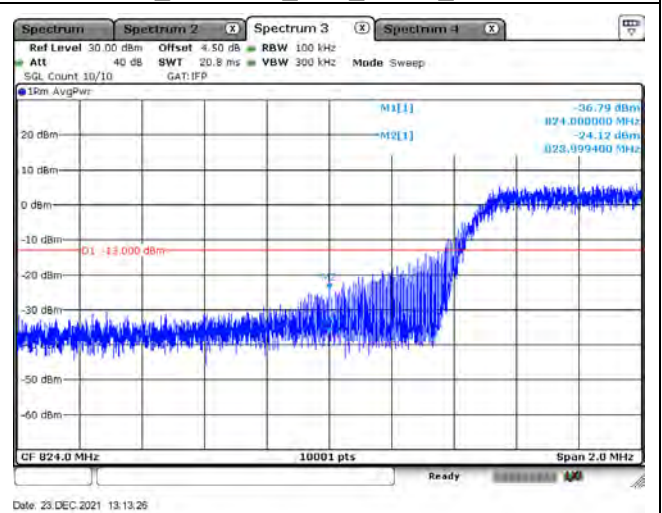


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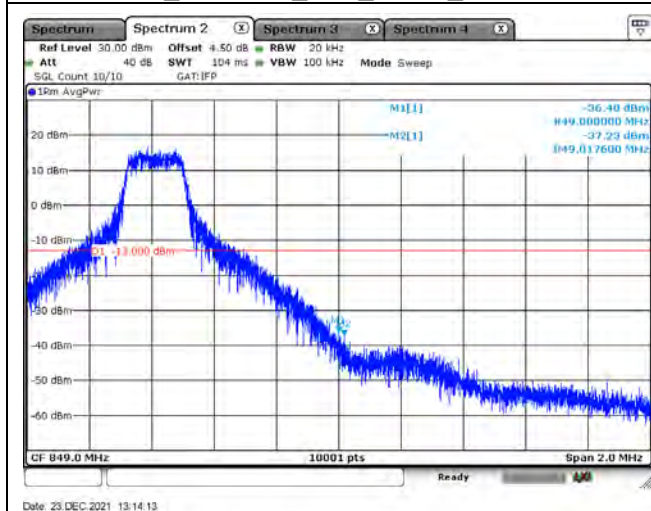
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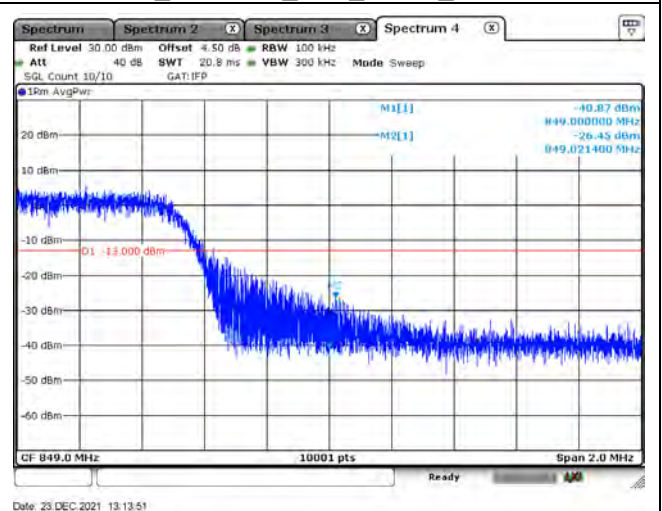
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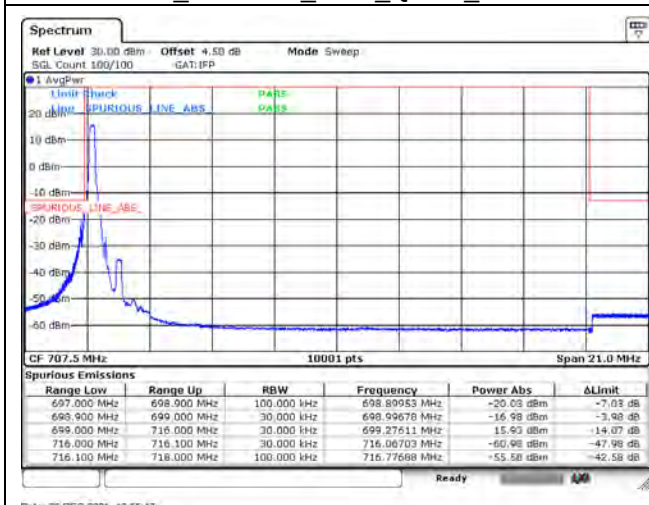
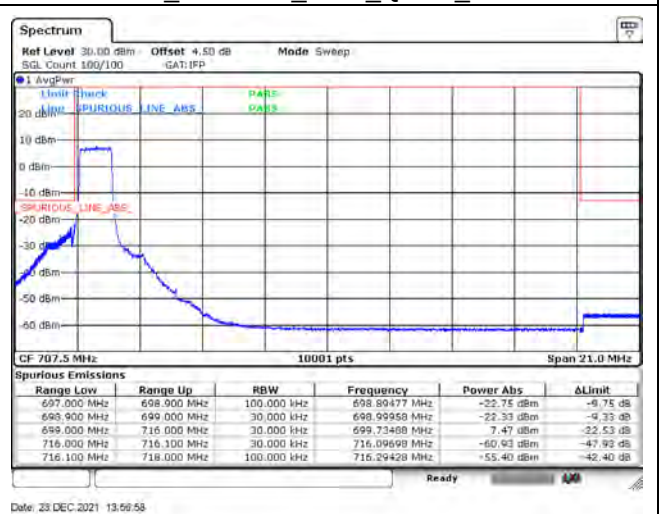
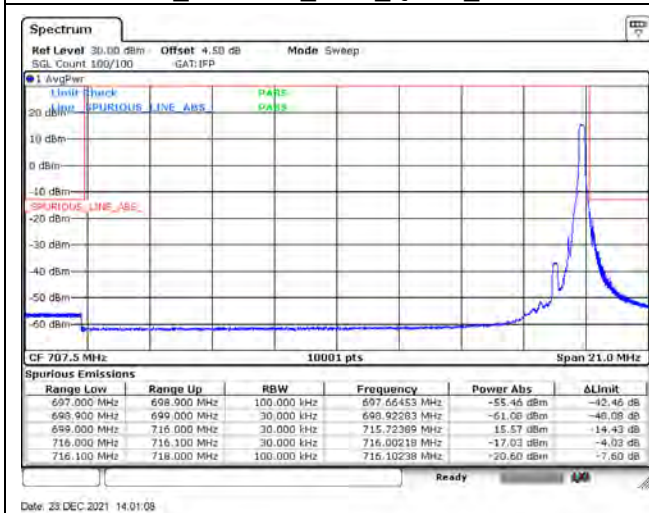
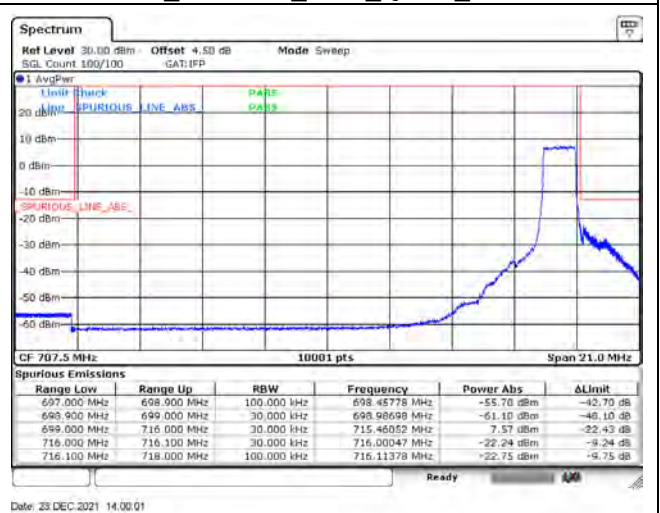
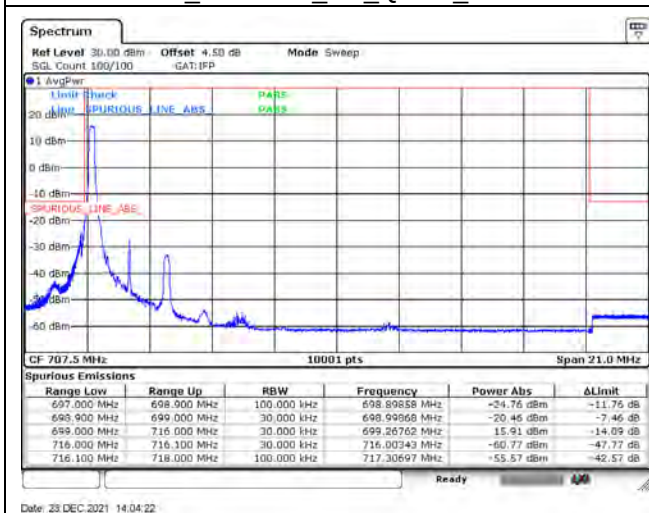
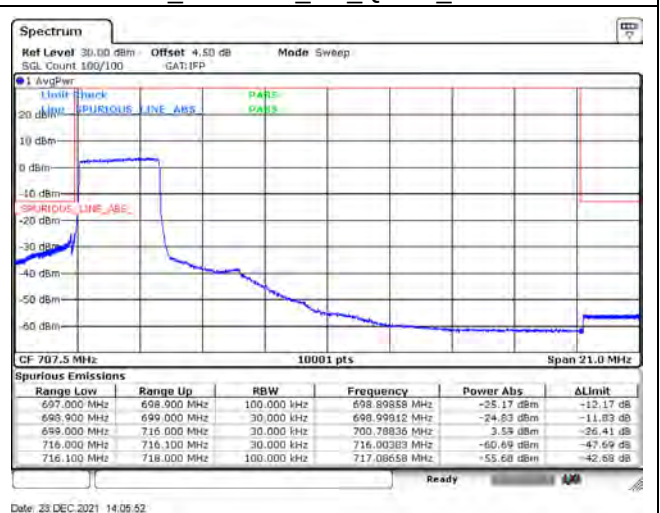


B5_CH20600_10M_QPSK_1RB49

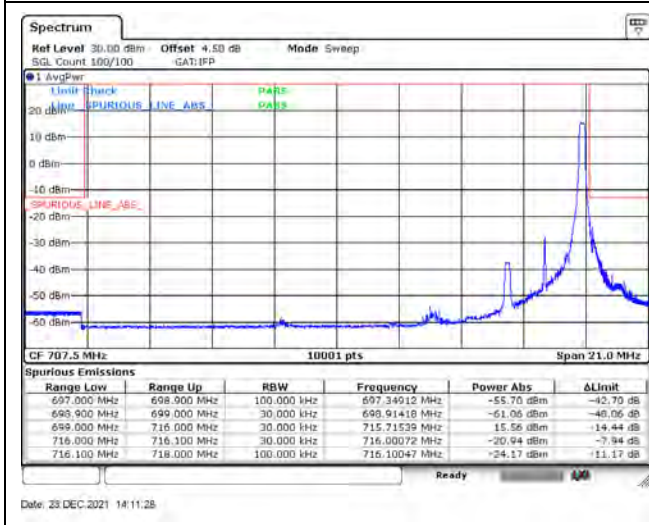


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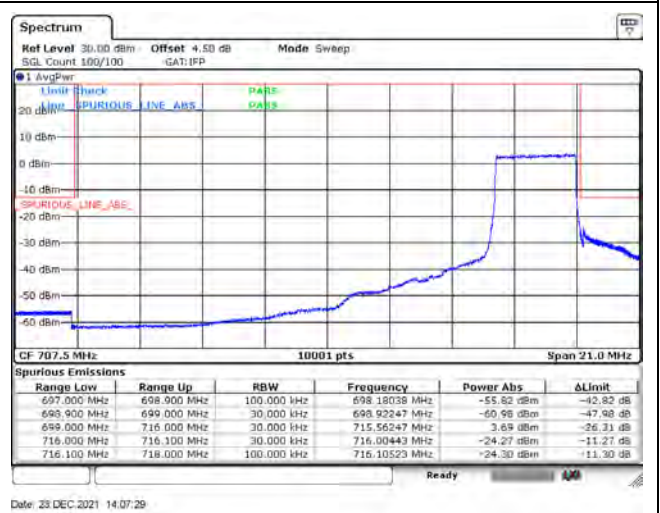


Mode 3: LTE Band 12**B12_CH23017_1.4M_QPSK_1RB0****B12_CH23017_1.4M_QPSK_6RB0****B12_CH23173_1.4M_QPSK_1RB5****B12_CH23173_1.4M_QPSK_6RB0****B12_CH23025_3M_QPSK_1RB0****B12_CH23025_3M_QPSK_15RB0**

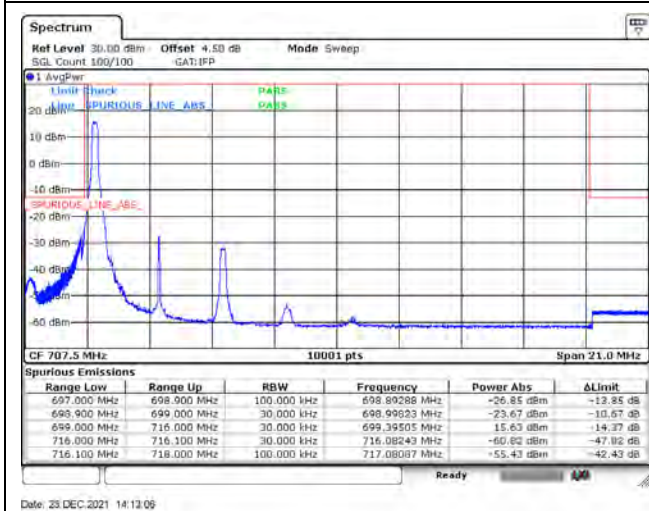
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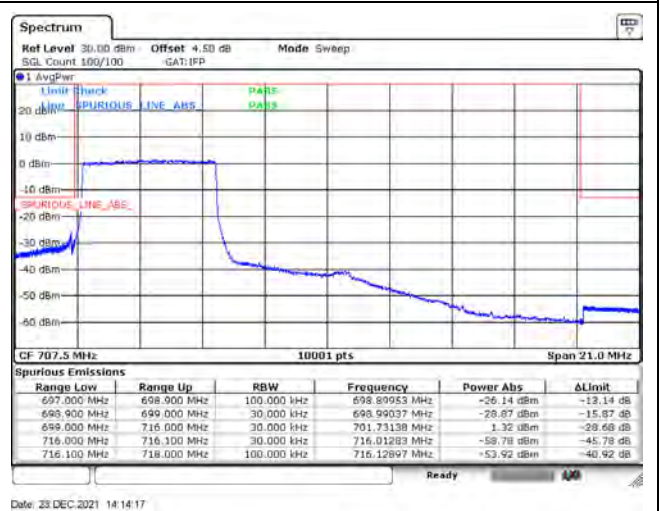
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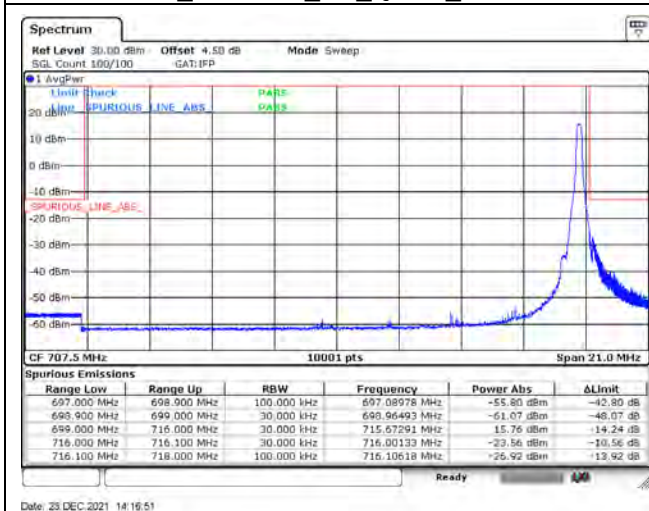
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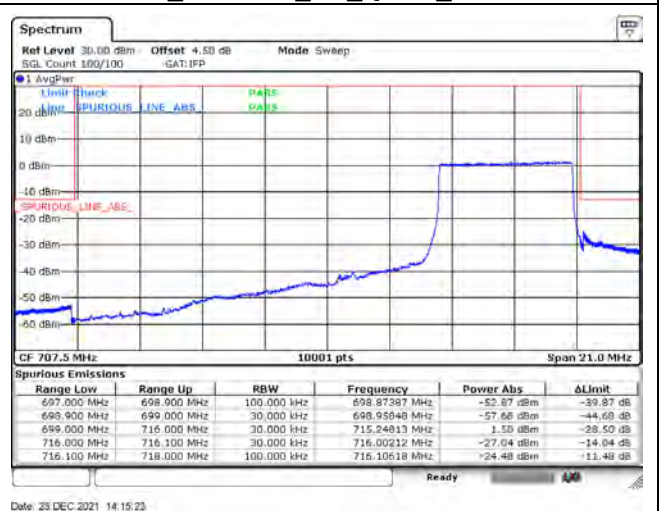
B12_CH23035_5M_QPSK_25RB0



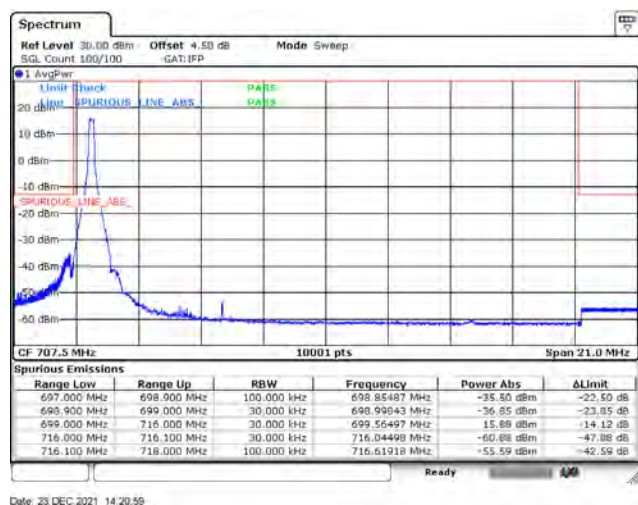
B12_CH23155_5M_QPSK_1RB24



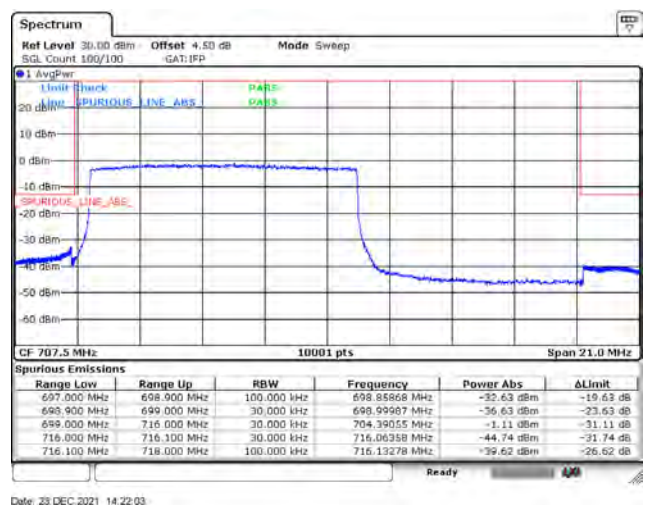
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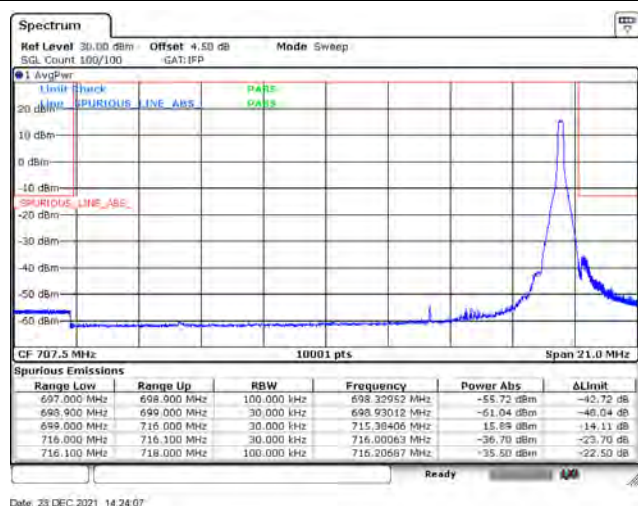
B12_CH23060_10M_QPSK_1RB0



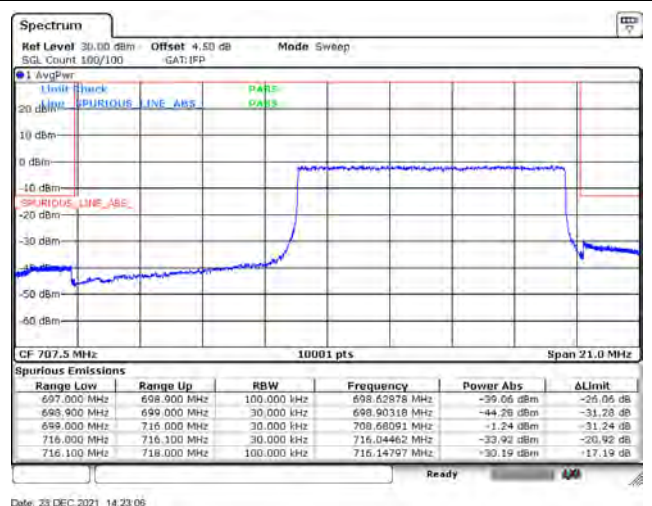
B12_CH23060_10M_QPSK_50RB0

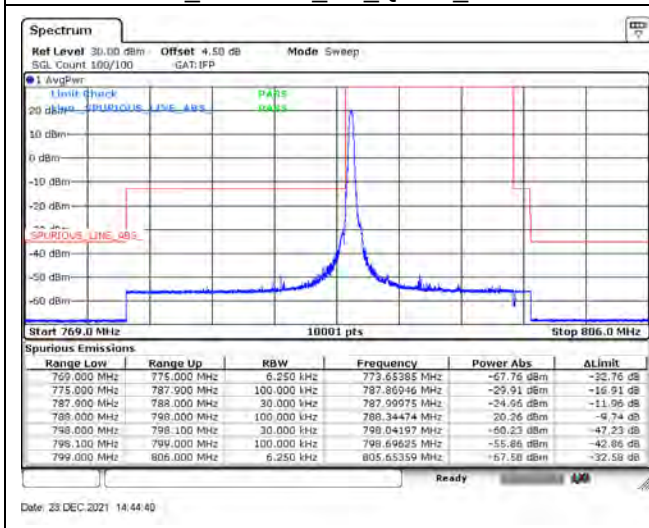
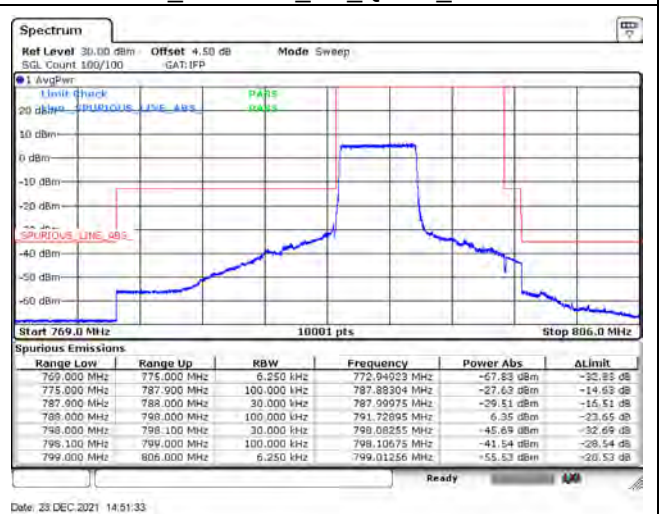
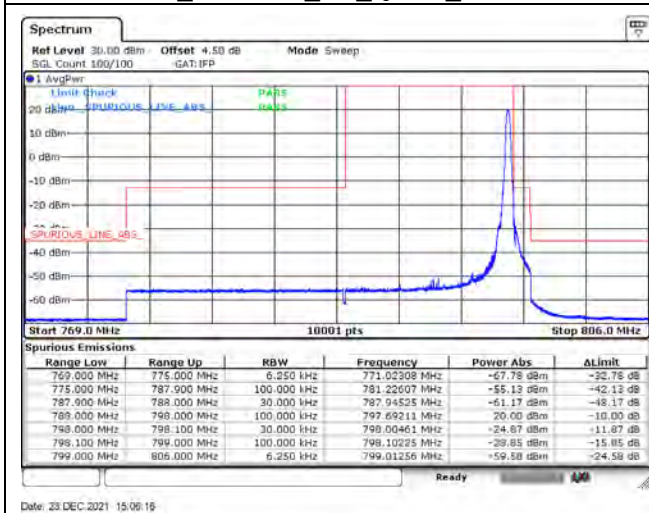
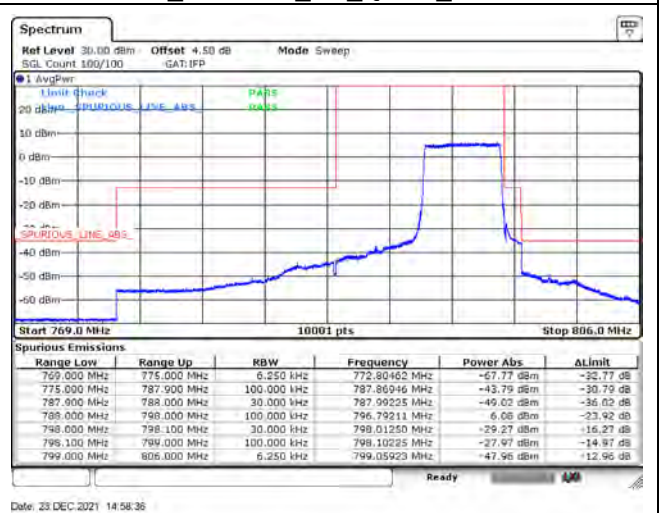
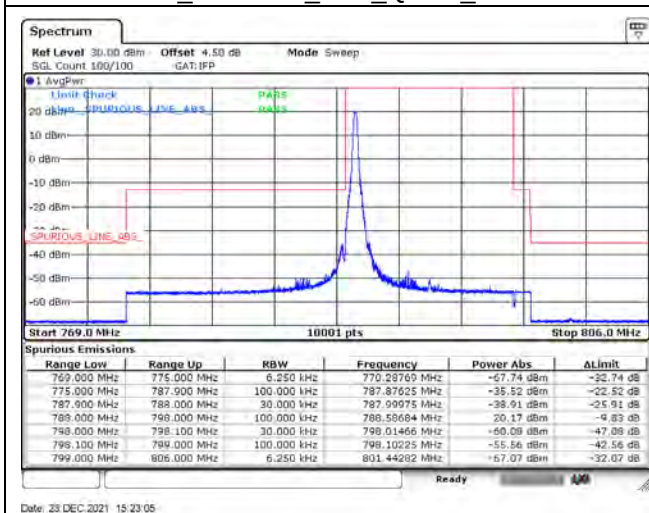
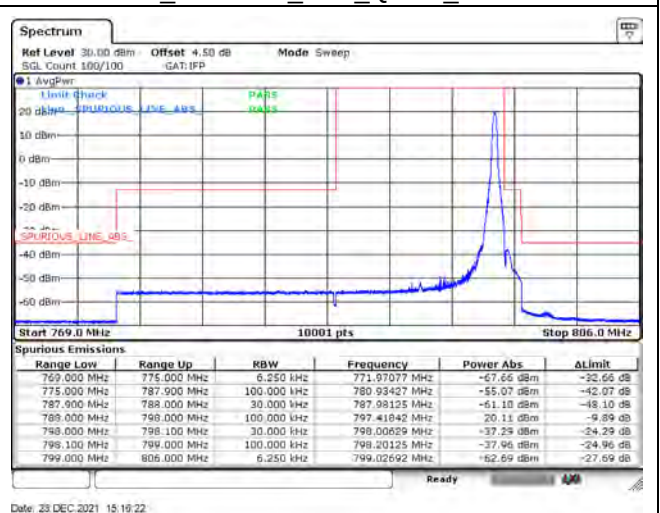


B12_CH23130_10M_QPSK_1RB49

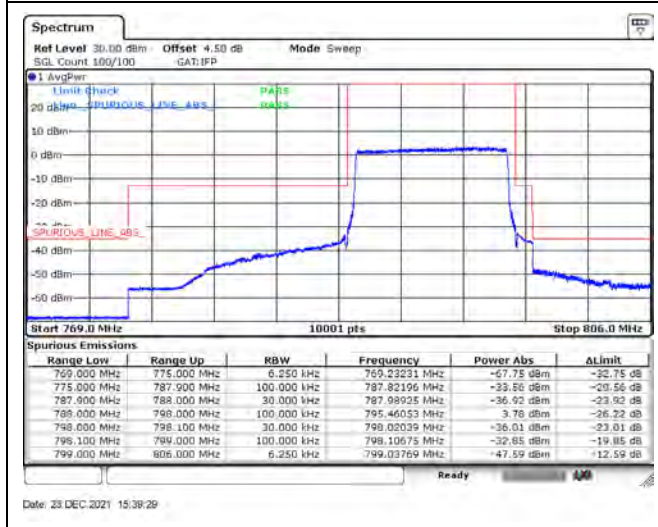


B12_CH23130_10M_QPSK_50RB0



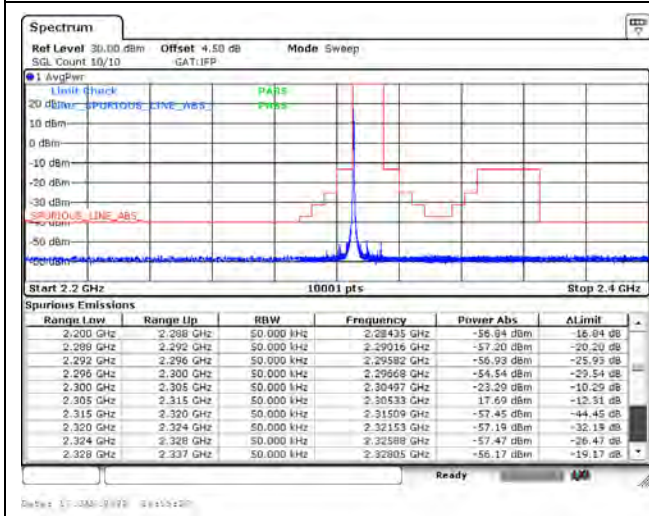
Mode 4: LTE Band 14**B14_CH23305_5M_QPSK_1RB0****B14_CH23305_5M_QPSK_25RB0****B14_CH23355_5M_QPSK_1RB24****B14_CH23355_5M_QPSK_25RB0****B14_CH23330_10M_QPSK_1RB0****B14_CH23330_10M_QPSK_1RB49**

B14_CH23330_10M_QPSK_50RB0

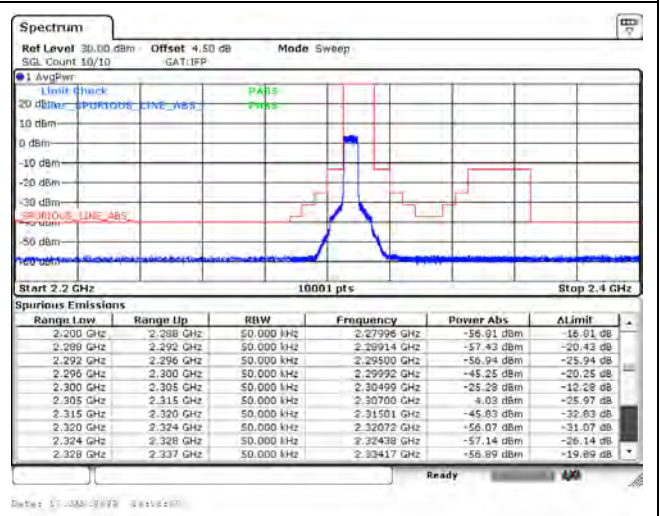


Mode 5: LTE Band 30

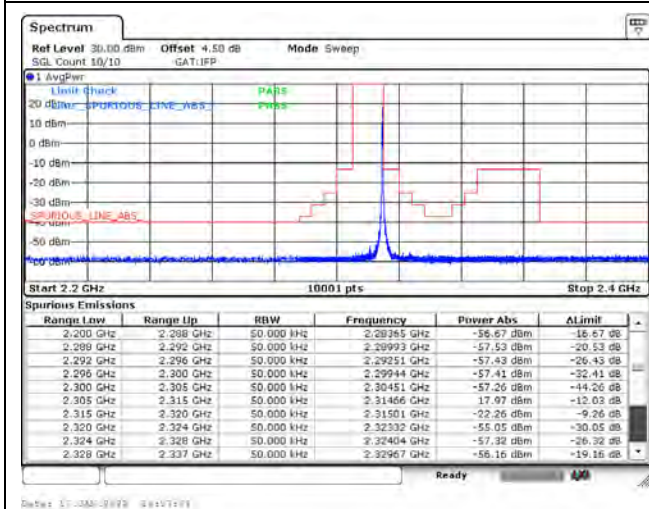
B30_CH27685_5M_QPSK_1RB0



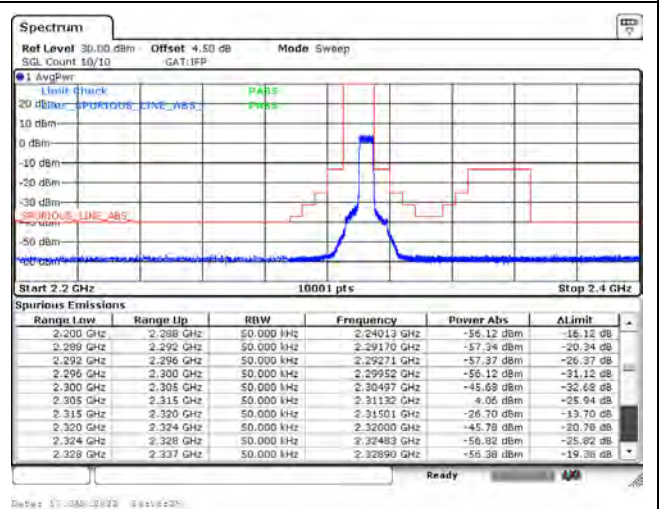
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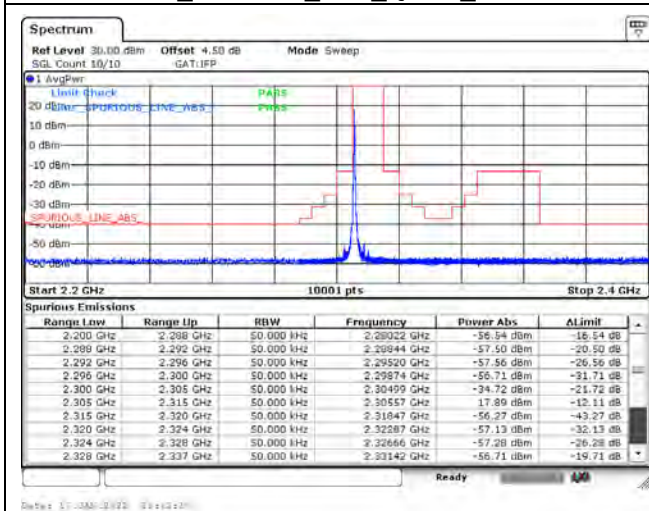
B30_CH27735_5M_QPSK_1RB24



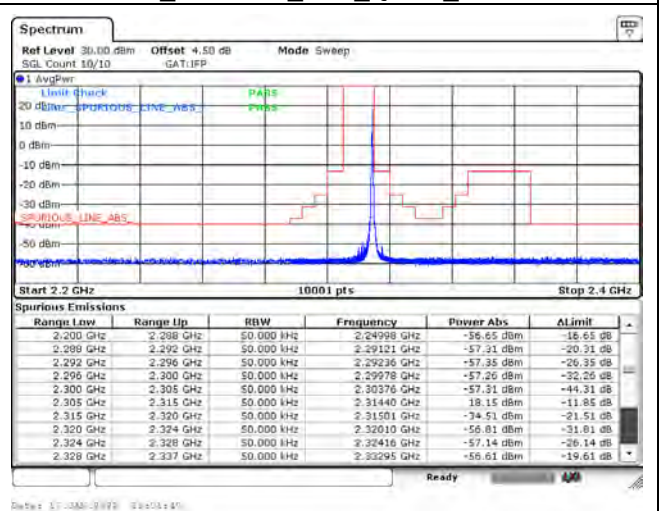
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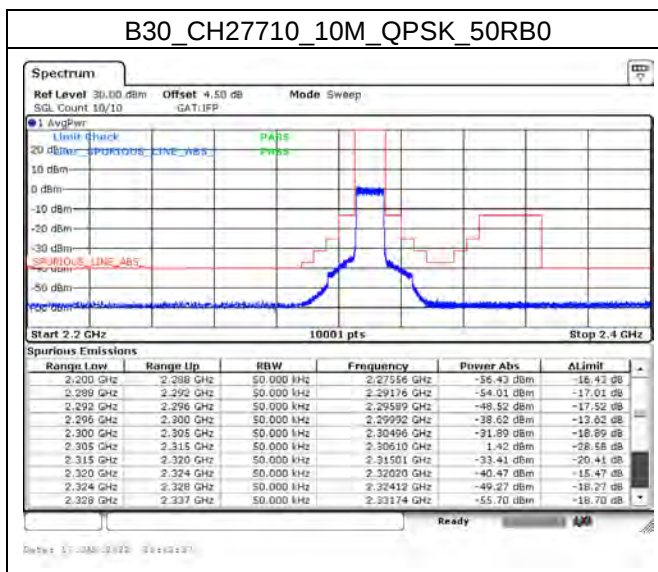


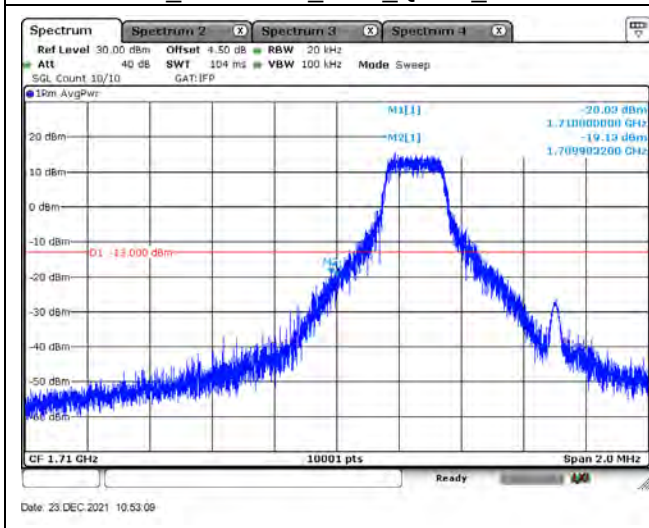
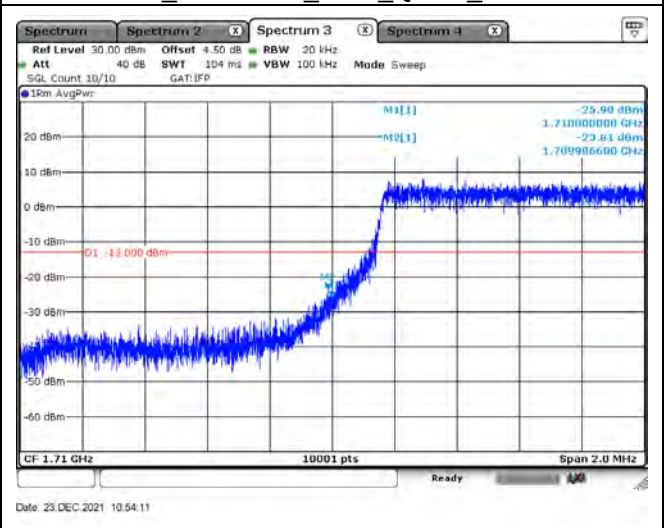
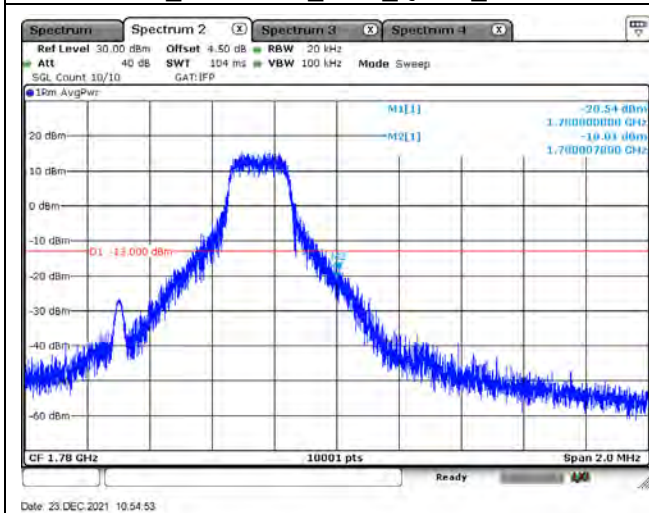
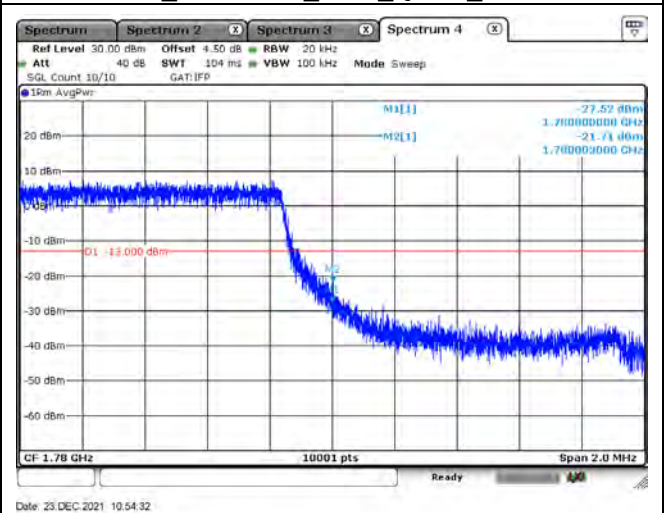
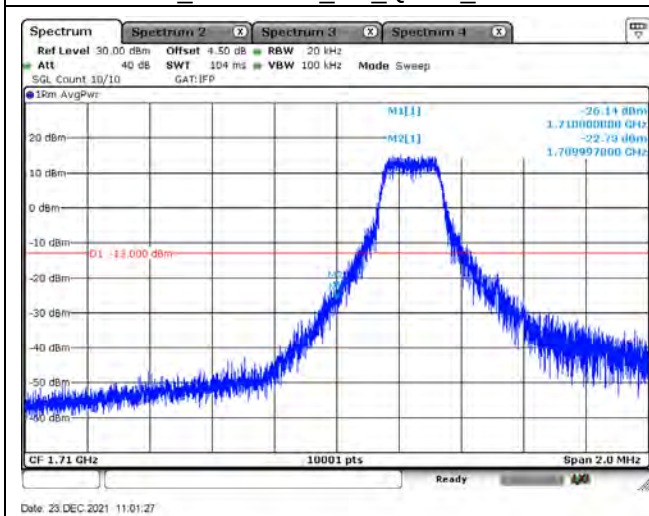
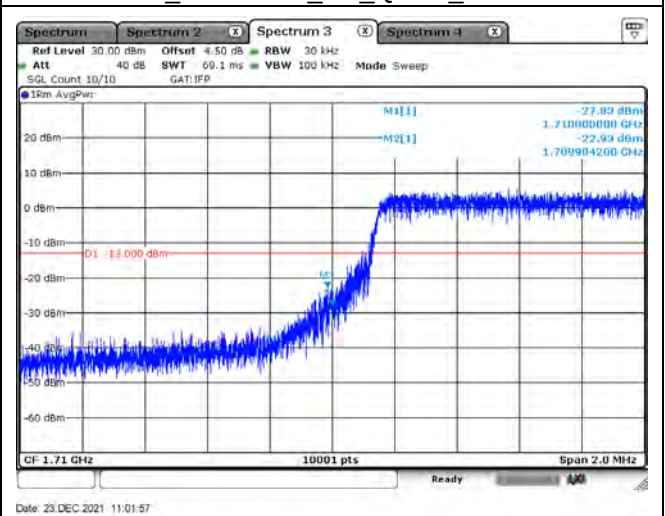
B30_CH27710_10M_QPSK_1RB0



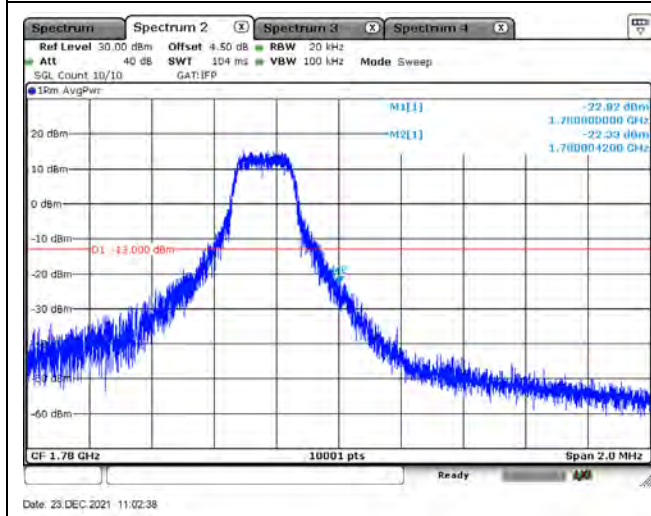
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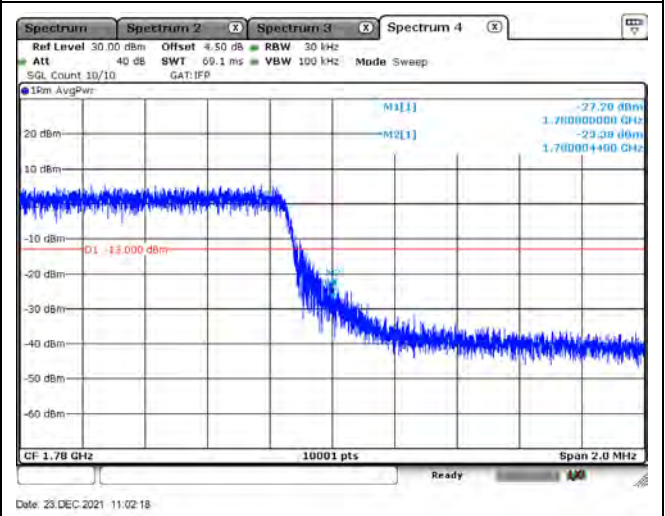


Mode 6: LTE Band 66**B66_CH131979_1.4M_QPSK_1RB0****B66_CH131979_1.4M_QPSK_6RB0****B66_CH132665_1.4M_QPSK_1RB5****B66_CH132665_1.4M_QPSK_6RB0****B66_CH131987_3M_QPSK_1RB0****B66_CH131987_3M_QPSK_15RB0**

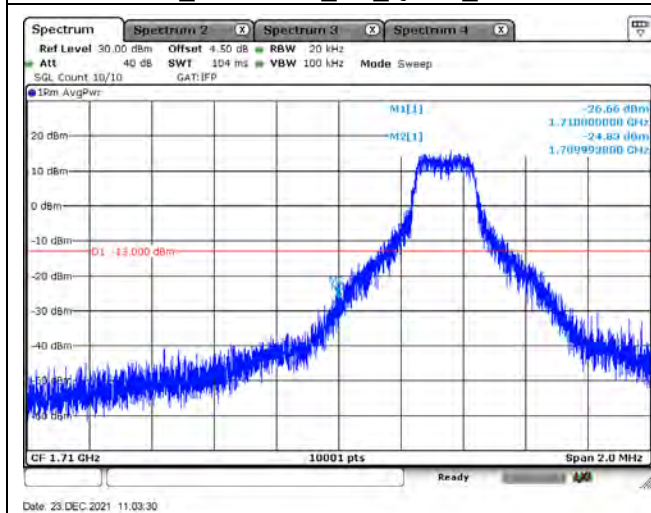
B66_CH132657_3M_QPSK_1RB14



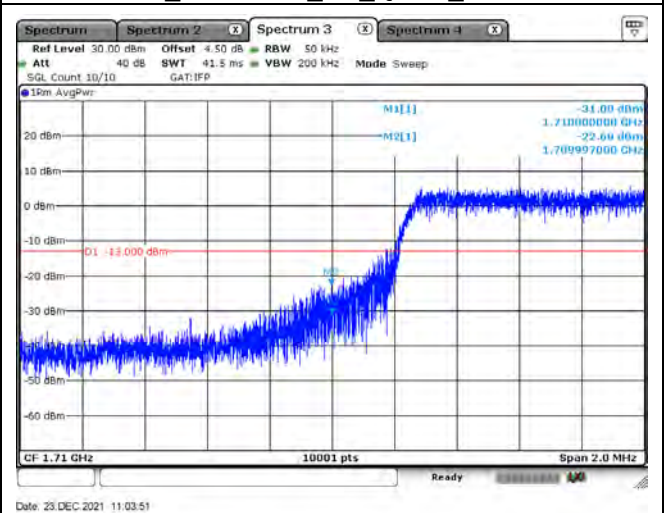
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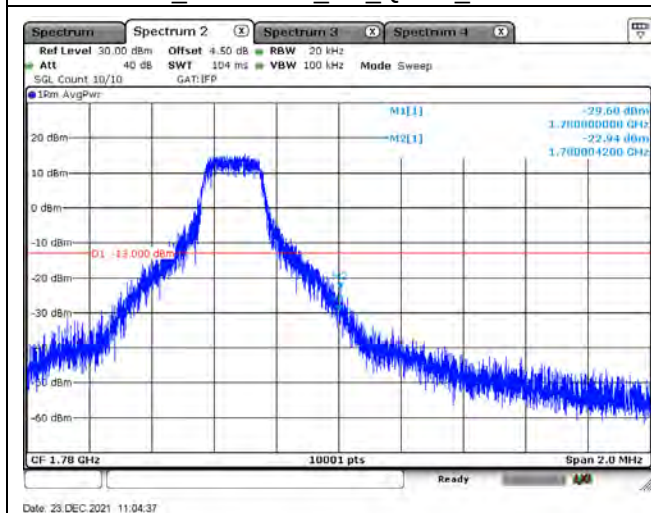
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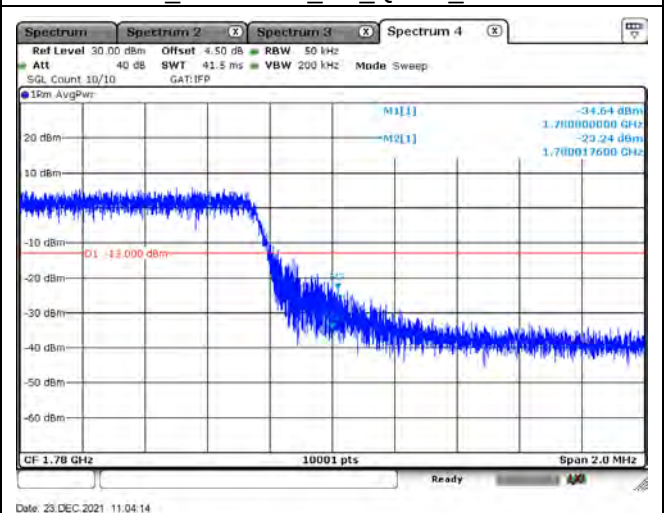
B66_CH131997_5M_QPSK_25RB0



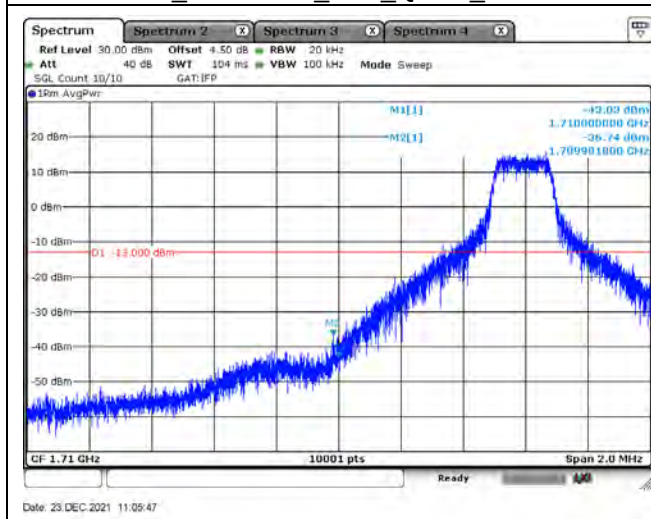
B66_CH132647_5M_QPSK_1RB24



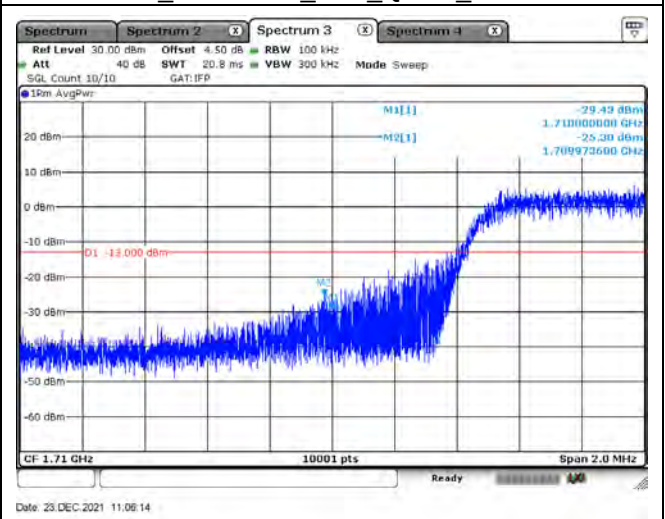
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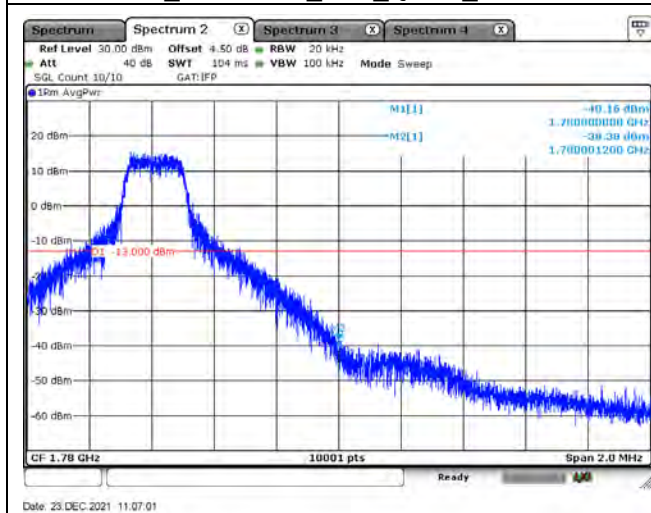
B66_CH132022_10M_QPSK_1RB0



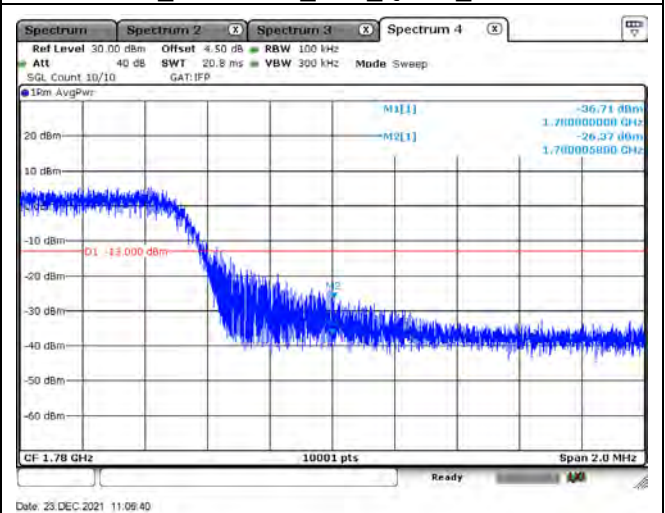
B66_CH132022_10M_QPSK_50RB0



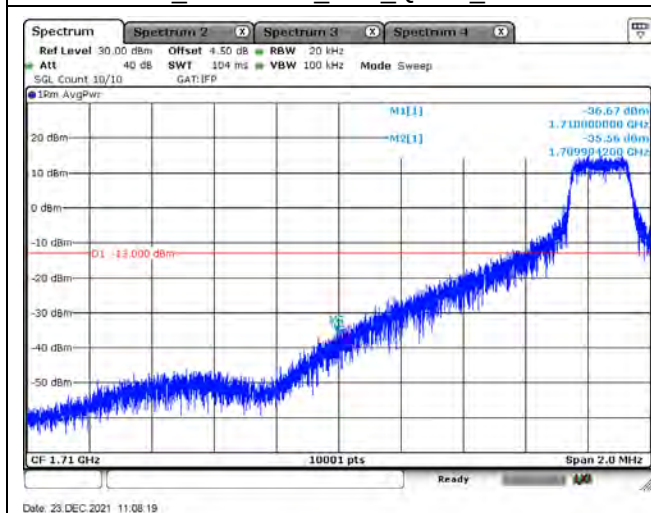
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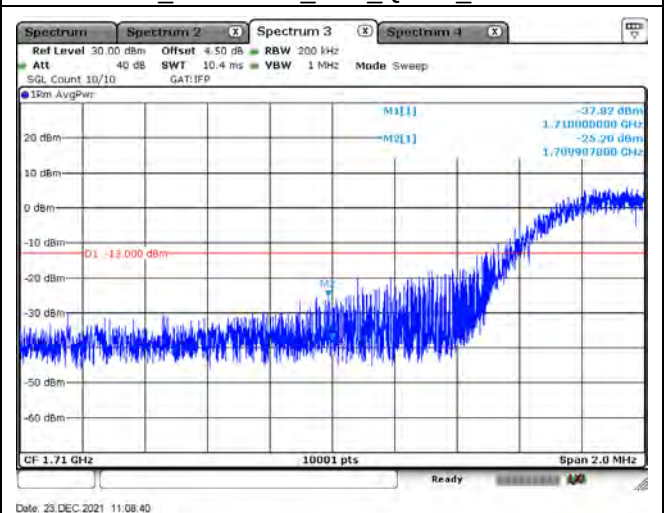
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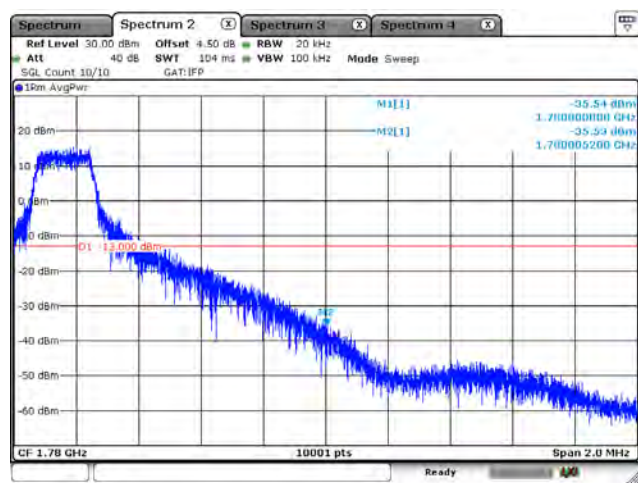
B66_CH132047_15M_QPSK_1RB0



B66_CH132047_15M_QPSK_75RB0

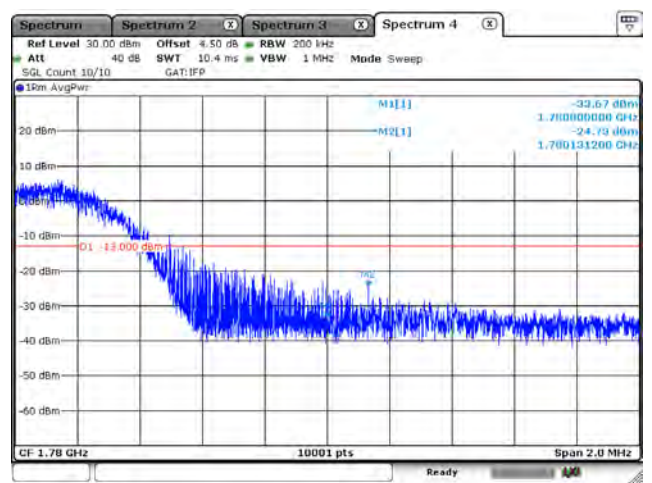


B66_CH132597_15M_QPSK_1RB74



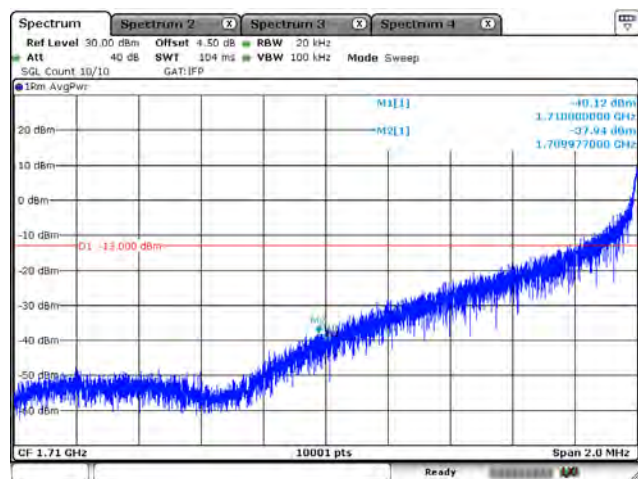
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B66_CH132597_15M_QPSK_75RB0



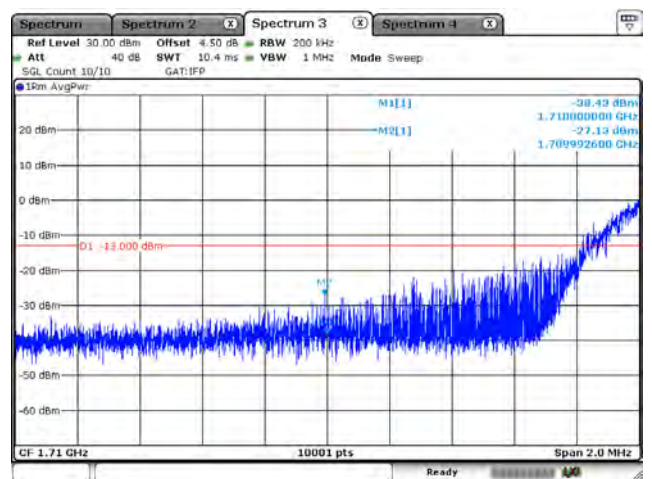
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B66_CH132072_20M_QPSK_1RB0



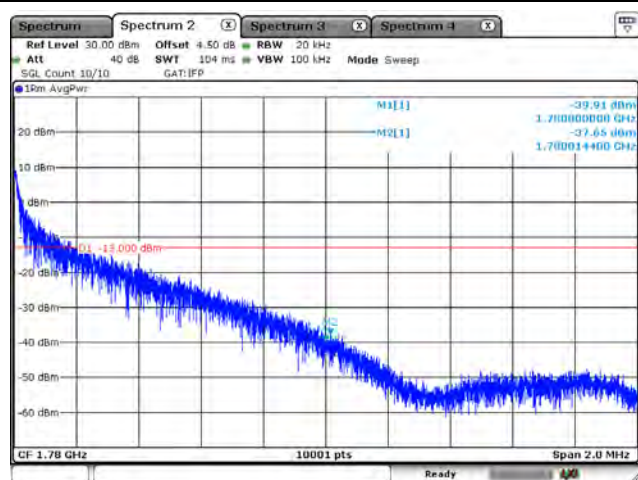
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B66_CH132072_20M_QPSK_100RB0



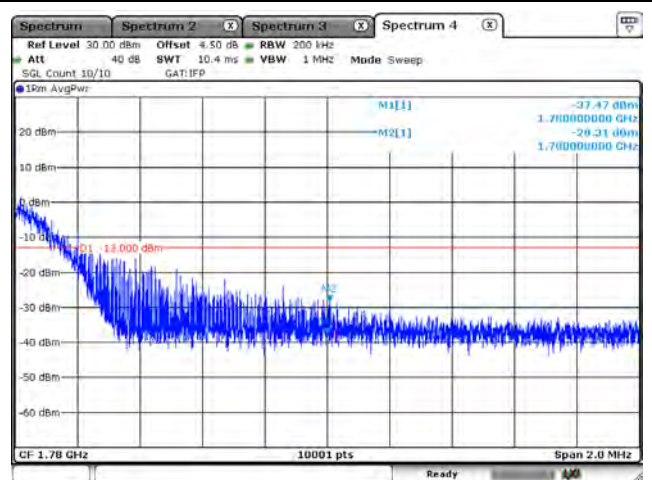
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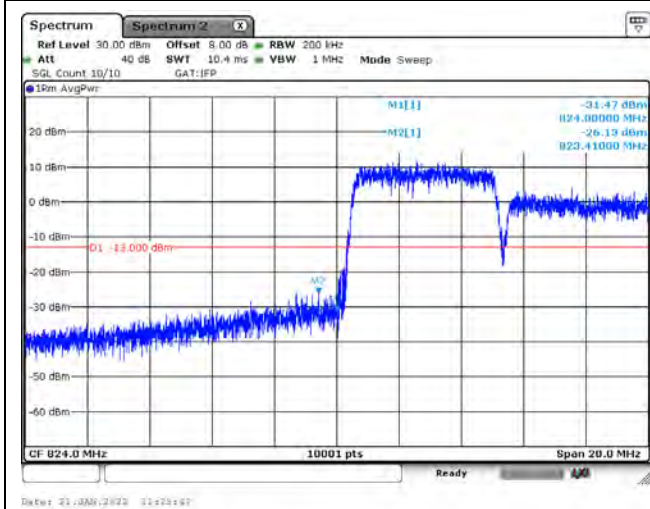
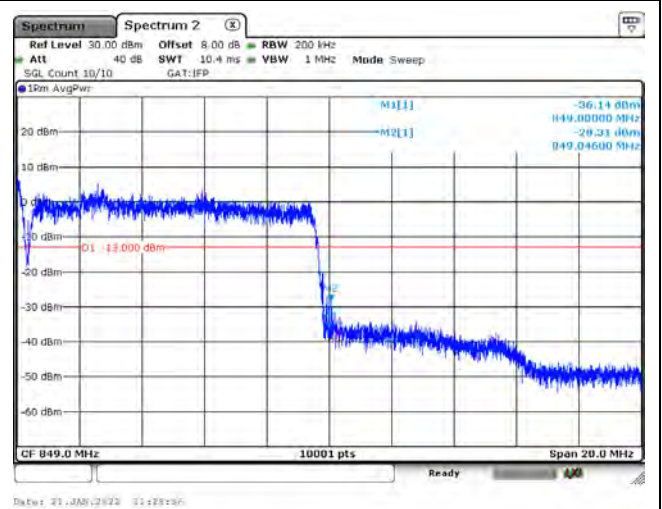
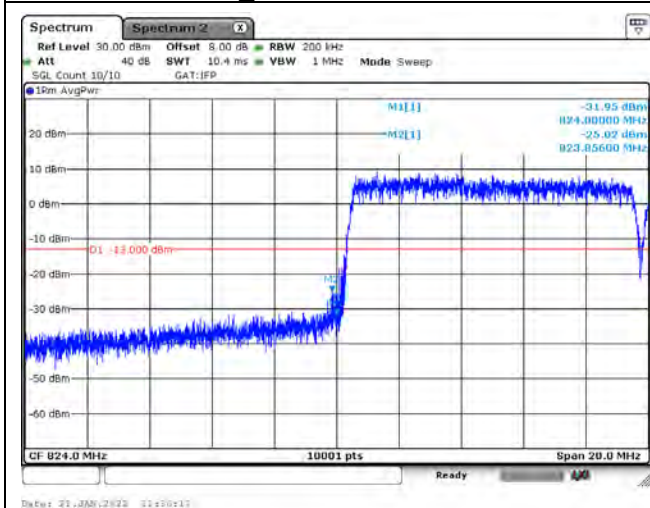
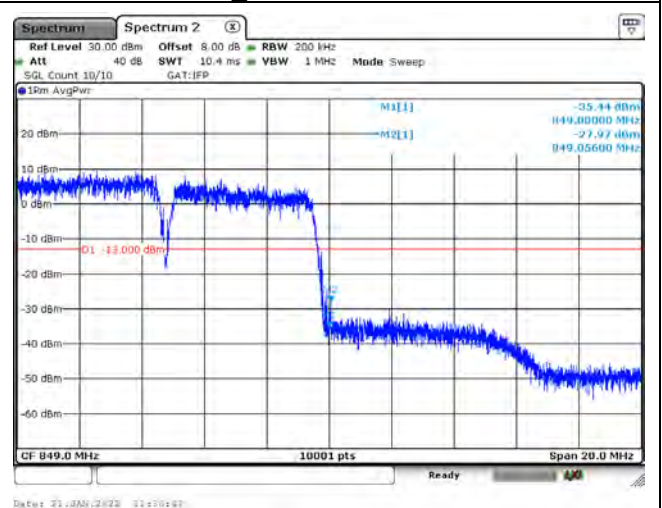
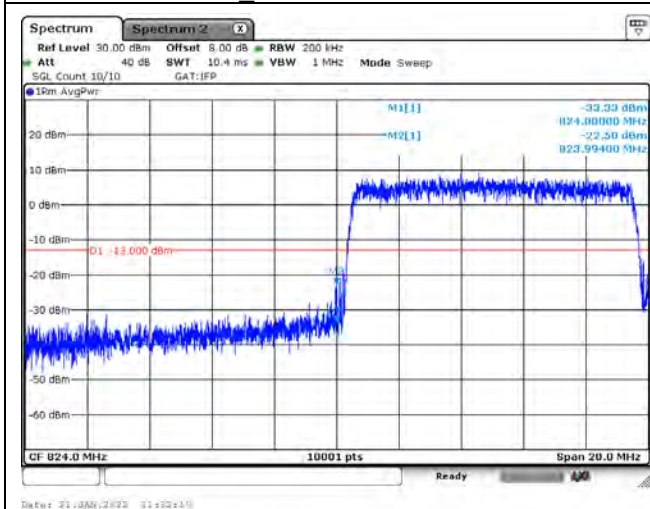
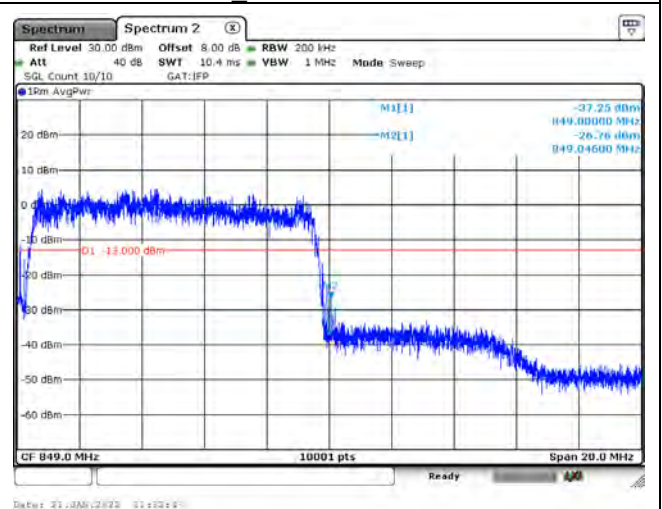


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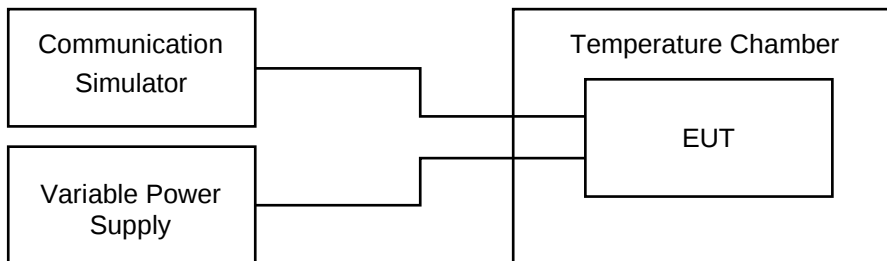


Date: 23 DEC 2021 11:11:23

Mode 7: LTE CA Band 5BCA_5B_CH20428+CH20500 5M+10M_QPSK
25RB0+50RB0CA_5B_CH20528+CH20600 5M+10M_QPSK
25RB0+50RB0CA_5B_CH20450+CH20522 10M+5M_QPSK
50RB0+25RB0CA_5B_CH20550+CH20622 10M+5M_QPSK
50RB0+25RB0CA_5B_CH20450+CH20549 10M+10M_QPSK
50RB0+50RB0CA_5B_CH20501+CH20600 10M+10M_QPSK
50RB0+50RB0

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

LTE Band 2 / 1.4 MHz / 1850.7 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.74	0.0015
3.80	3.00	0.0016
3.30	2.16	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.71	0.0015
-20	2.94	0.0016
-10	1.48	0.0008
0	2.33	0.0013
10	3.38	0.0018
20	2.44	0.0013
30	2.69	0.0015
40	2.23	0.0012
50	2.26	0.0012
55	2.55	0.0014

LTE Band 2 / 1.4 MHz / 1909.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	1.41	0.0007
3.80	2.89	0.0015
3.30	1.64	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.86	0.0010
-20	1.64	0.0009
-10	2.36	0.0012
0	2.80	0.0015
10	3.27	0.0017
20	2.24	0.0012
30	1.94	0.0010
40	2.57	0.0013
50	1.73	0.0009
55	1.83	0.0010

LTE Band 2 / 3 MHz / 1851.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.00	0.0011
3.80	3.12	0.0017
3.30	1.91	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.88	0.0016
-20	3.22	0.0017
-10	1.99	0.0011
0	3.26	0.0018
10	2.61	0.0014
20	2.81	0.0015
30	2.70	0.0015
40	2.53	0.0014
50	2.19	0.0012
55	2.60	0.0014

LTE Band 2 / 3 MHz / 1908.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	3.12	0.0016
3.80	3.56	0.0019
3.30	2.82	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.96	0.0016
-20	3.48	0.0018
-10	2.63	0.0014
0	2.68	0.0014
10	2.70	0.0014
20	3.40	0.0018
30	3.88	0.0020
40	3.04	0.0016
50	3.47	0.0018
55	3.28	0.0017

LTE Band 2 / 5 MHz / 1852.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	3.59	0.0019
3.80	3.78	0.0020
3.30	3.83	0.0021

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.31	0.0018
-20	3.56	0.0019
-10	3.69	0.0020
0	3.35	0.0018
10	3.31	0.0018
20	2.83	0.0015
30	2.37	0.0013
40	2.39	0.0013
50	3.36	0.0018
55	4.11	0.0022

LTE Band 2 / 5 MHz / 1907.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	4.69	0.0025
3.80	3.82	0.0020
3.30	3.74	0.0020

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.43	0.0018
-20	3.80	0.0020
-10	3.03	0.0016
0	3.48	0.0018
10	3.26	0.0017
20	3.90	0.0020
30	3.65	0.0019
40	3.73	0.0020
50	3.50	0.0018
55	3.09	0.0016

LTE Band 2 / 10 MHz / 1855 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	3.32	0.0018
3.80	3.59	0.0019
3.30	3.50	0.0019

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.91	0.0021
-20	3.54	0.0019
-10	3.05	0.0016
0	2.89	0.0016
10	3.47	0.0019
20	3.66	0.0020
30	3.95	0.0021
40	3.28	0.0018
50	2.61	0.0014
55	3.38	0.0018

LTE Band 2 / 10 MHz / 1905 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.35	0.0012
3.80	3.18	0.0017
3.30	3.02	0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.71	0.0014
-20	2.83	0.0015
-10	2.59	0.0014
0	2.65	0.0014
10	3.36	0.0018
20	2.84	0.0015
30	2.50	0.0013
40	2.72	0.0014
50	2.60	0.0014
55	2.33	0.0012

LTE Band 2 / 15 MHz / 1857.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.87	0.0015
3.80	3.82	0.0021
3.30	3.36	0.0018

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.66	0.0014
-20	2.48	0.0013
-10	3.39	0.0018
0	3.41	0.0018
10	2.70	0.0015
20	3.30	0.0018
30	3.10	0.0017
40	3.27	0.0018
50	3.94	0.0021
55	3.65	0.0020

LTE Band 2 / 15 MHz / 1902.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.92	0.0015
3.80	3.28	0.0017
3.30	2.77	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.18	0.0017
-20	2.95	0.0016
-10	3.44	0.0018
0	2.69	0.0014
10	2.93	0.0015
20	2.43	0.0013
30	2.73	0.0014
40	2.51	0.0013
50	2.98	0.0016
55	2.48	0.0013

LTE Band 2 / 20 MHz / 1860 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.70	0.0015
3.80	3.37	0.0018
3.30	2.54	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.27	0.0018
-20	3.17	0.0017
-10	2.17	0.0012
0	2.64	0.0014
10	3.28	0.0018
20	2.21	0.0012
30	2.63	0.0014
40	2.55	0.0014
50	2.87	0.0015
55	3.43	0.0018

LTE Band 2 / 20 MHz / 1900 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	3.09	0.0016
3.80	3.63	0.0019
3.30	2.33	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	4.12	0.0022
-20	3.46	0.0018
-10	3.10	0.0016
0	3.77	0.0020
10	3.58	0.0019
20	3.04	0.0016
30	2.17	0.0011
40	4.06	0.0021
50	2.15	0.0011
55	2.89	0.0015

Mode 2: LTE Band 5**LTE Band 5 / 1.4 MHz / 824.7 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.70	0.0033
3.80	2.66	0.0032
3.30	2.13	0.0026

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.55	0.0031
-20	2.71	0.0033
-10	1.63	0.0020
0	1.49	0.0018
10	2.20	0.0027
20	1.43	0.0017
30	2.77	0.0034
40	2.16	0.0026
50	2.31	0.0028
55	1.87	0.0023

LTE Band 5 / 1.4 MHz / 848.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	1.68	0.0020
3.80	2.87	0.0034
3.30	2.46	0.0029

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.28	0.0027
-20	2.35	0.0028
-10	2.91	0.0034
0	2.13	0.0025
10	2.18	0.0026
20	2.74	0.0032
30	1.38	0.0016
40	3.19	0.0038
50	2.58	0.0030
55	2.19	0.0026

LTE Band 5 / 3 MHz / 825.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.92	0.0035
3.80	3.52	0.0043
3.30	2.97	0.0036

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.81	0.0046
-20	3.29	0.0040
-10	3.60	0.0044
0	2.47	0.0030
10	3.71	0.0045
20	3.10	0.0038
30	3.95	0.0048
40	2.86	0.0035
50	3.66	0.0044
55	2.62	0.0032

LTE Band 5 / 3 MHz / 847.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	3.07	0.0036
3.80	3.12	0.0037
3.30	2.93	0.0035

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.58	0.0030
-20	2.62	0.0031
-10	2.33	0.0027
0	2.09	0.0025
10	2.23	0.0026
20	2.01	0.0024
30	2.18	0.0026
40	3.61	0.0043
50	2.18	0.0026
55	2.60	0.0031

LTE Band 5 / 5 MHz / 826.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.72	0.0033
3.80	3.67	0.0044
3.30	3.16	0.0038

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.81	0.0034
-20	2.65	0.0032
-10	3.03	0.0037
0	3.04	0.0037
10	2.58	0.0031
20	2.67	0.0032
30	3.66	0.0044
40	3.61	0.0044
50	3.20	0.0039
55	2.68	0.0032

LTE Band 5 / 5 MHz / 846.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.70	0.0032
3.80	2.75	0.0032
3.30	1.89	0.0022

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.01	0.0024
-20	1.86	0.0022
-10	1.76	0.0021
0	2.64	0.0031
10	1.54	0.0018
20	2.58	0.0030
30	2.14	0.0025
40	2.11	0.0025
50	2.21	0.0026
60	1.89	0.0022

LTE Band 5 / 10 MHz / 829 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	3.40	0.0041
3.80	3.50	0.0042
3.30	2.52	0.0030

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.16	0.0038
-20	3.53	0.0043
-10	3.34	0.0040
0	3.47	0.0042
10	2.70	0.0033
20	2.64	0.0032
30	3.47	0.0042
40	2.43	0.0029
50	3.10	0.0037
55	2.55	0.0031

LTE Band 5 / 10 MHz / 844 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	1.88	0.0022
3.80	2.38	0.0028
3.30	2.73	0.0032

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.57	0.0030
-20	2.32	0.0027
-10	2.27	0.0027
0	1.70	0.0020
10	1.03	0.0012
20	2.16	0.0026
30	1.26	0.0015
40	1.64	0.0019
50	1.60	0.0019
55	1.81	0.0021

Mode 3: LTE Band 12**LTE Band 12 / 1.4 MHz / 699.7 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.07	0.0030
3.80	2.69	0.0038
3.30	1.98	0.0028

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.67	0.0038
-20	2.29	0.0033
-10	1.44	0.0021
0	2.61	0.0037
10	2.04	0.0029
20	1.43	0.0020
30	1.85	0.0026
40	1.91	0.0027
50	2.11	0.0030
55	2.57	0.0037

LTE Band 12 / 1.4 MHz / 715.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	1.79	0.0025
3.80	2.59	0.0036
3.30	1.81	0.0025

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.69	0.0024
-20	1.77	0.0025
-10	2.04	0.0029
0	2.83	0.0040
10	1.96	0.0027
20	2.23	0.0031
30	2.82	0.0039
40	2.35	0.0033
50	1.51	0.0021
55	1.63	0.0023

LTE Band 12 / 3 MHz / 700.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	3.08	0.0044
3.80	2.51	0.0036
3.30	2.52	0.0036

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.71	0.0039
-20	2.38	0.0034
-10	1.31	0.0019
0	1.76	0.0025
10	0.70	0.0010
20	1.62	0.0023
30	0.90	0.0013
40	1.14	0.0016
50	1.98	0.0028
55	2.20	0.0031

LTE Band 12 / 3 MHz / 714.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	3.01	0.0042
3.80	2.78	0.0039
3.30	1.94	0.0027

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.44	0.0034
-20	2.76	0.0039
-10	1.48	0.0021
0	2.80	0.0039
10	1.45	0.0020
20	1.95	0.0027
30	1.73	0.0024
40	1.86	0.0026
50	2.80	0.0039
55	1.54	0.0022

LTE Band 12 / 5 MHz / 701.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.17	0.0031
3.80	3.23	0.0046
3.30	2.98	0.0042

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.93	0.0028
-20	2.15	0.0031
-10	3.39	0.0048
0	1.82	0.0026
10	3.19	0.0045
20	2.91	0.0041
30	3.03	0.0043
40	2.95	0.0042
50	2.56	0.0036
60	3.09	0.0044

LTE Band 12 / 5 MHz / 713.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	3.27	0.0046
3.80	3.33	0.0047
3.30	2.24	0.0031

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.57	0.0050
-20	4.13	0.0058
-10	3.31	0.0046
0	2.89	0.0041
10	3.52	0.0049
20	2.22	0.0031
30	3.31	0.0046
40	2.25	0.0032
50	2.07	0.0029
60	2.03	0.0028

LTE Band 12 / 10 MHz / 704 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.84	0.0040
3.80	3.25	0.0046
3.30	2.04	0.0029

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.66	0.0038
-20	2.59	0.0037
-10	2.28	0.0032
0	2.35	0.0033
10	2.93	0.0042
20	3.92	0.0056
30	2.46	0.0035
40	2.70	0.0038
50	2.96	0.0042
55	2.96	0.0042

LTE Band 12 / 10 MHz / 711MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.00	0.0028
3.80	3.24	0.0046
3.30	2.69	0.0038

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.81	0.0040
-20	2.30	0.0032
-10	3.32	0.0047
0	2.82	0.0040
10	3.46	0.0049
20	2.68	0.0038
30	2.77	0.0039
40	2.98	0.0042
50	2.28	0.0032
55	2.32	0.0033

Mode 4: LTE Band 14**LTE Band 14 / 5 MHz / 790.5 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	0.96	0.0012
3.80	1.53	0.0019
3.30	0.45	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.03	0.0013
-20	0.71	0.0009
-10	1.29	0.0016
0	0.92	0.0012
10	1.62	0.0020
20	0.76	0.0010
30	0.87	0.0011
40	0.59	0.0007
50	1.43	0.0018
55	2.06	0.0026

LTE Band 14 / 5 MHz / 795.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	0.88	0.0011
3.80	1.71	0.0021
3.30	1.26	0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.40	0.0018
-20	0.70	0.0009
-10	1.26	0.0016
0	1.16	0.0015
10	1.04	0.0013
20	1.21	0.0015
30	2.18	0.0027
40	0.92	0.0012
50	1.19	0.0015
55	1.41	0.0018

LTE Band 14 / 10 MHz / 793 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	1.79	0.0023
3.80	2.08	0.0026
3.30	2.00	0.0025

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	0.79	0.0010
-20	1.86	0.0023
-10	1.32	0.0017
0	1.22	0.0015
10	1.84	0.0023
20	1.76	0.0022
30	1.07	0.0013
40	1.94	0.0024
50	1.04	0.0013
55	2.15	0.0027

Mode 5: LTE Band 30**LTE Band 30 / 5 MHz / 2307.5 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	1.94	0.0008
3.80	2.99	0.0013
3.30	2.35	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.89	0.0013
-20	3.61	0.0016
-10	2.68	0.0012
0	2.49	0.0011
10	2.12	0.0009
20	2.40	0.0010
30	3.00	0.0013
40	2.55	0.0011
50	1.33	0.0006
55	2.29	0.0010

LTE Band 30 / 5 MHz / 2312.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.43	0.0011
3.80	3.22	0.0014
3.30	2.64	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.28	0.0010
-20	2.78	0.0012
-10	2.49	0.0011
0	2.22	0.0010
10	2.45	0.0011
20	3.22	0.0014
30	2.50	0.0011
40	2.25	0.0010
50	2.84	0.0012
55	2.91	0.0013

LTE Band 30 / 10 MHz / 2310 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	3.43	0.0015
3.80	3.10	0.0013
3.30	3.13	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.12	0.0009
-20	2.52	0.0011
-10	1.92	0.0008
0	3.18	0.0014
10	2.90	0.0013
20	2.91	0.0013
30	2.64	0.0011
40	1.78	0.0008
50	2.42	0.0010
55	2.22	0.0010

Mode 6: LTE Band 66**LTE Band 66 / 1.4 MHz / 1710.7 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.72	0.0016
3.80	3.10	0.0018
3.30	2.41	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.84	0.0017
-20	3.42	0.0020
-10	2.24	0.0013
0	2.56	0.0015
10	2.93	0.0017
20	2.06	0.0012
30	1.91	0.0011
40	2.58	0.0015
50	2.34	0.0014
55	2.55	0.0015

LTE Band 66 / 1.4 MHz / 1779.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	3.11	0.0017
3.80	2.90	0.0016
3.30	2.67	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.99	0.0011
-20	2.15	0.0012
-10	2.70	0.0015
0	3.45	0.0019
10	2.55	0.0014
20	2.17	0.0012
30	1.75	0.0010
40	2.59	0.0015
50	2.88	0.0016
55	1.91	0.0011

LTE Band 66 / 3 MHz / 1711.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	1.71	0.0010
3.80	2.40	0.0014
3.30	1.56	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.41	0.0014
-20	1.39	0.0008
-10	1.03	0.0006
0	1.52	0.0009
10	1.69	0.0010
20	1.17	0.0007
30	1.12	0.0007
40	1.53	0.0009
50	1.27	0.0007
55	1.33	0.0008

LTE Band 66 / 3 MHz / 1778.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	3.00	0.0017
3.80	4.01	0.0023
3.30	4.30	0.0024

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.31	0.0019
-20	4.03	0.0023
-10	3.37	0.0019
0	4.07	0.0023
10	3.65	0.0021
20	3.63	0.0020
30	4.24	0.0024
40	3.18	0.0018
50	3.31	0.0019
55	2.87	0.0016

LTE Band 66 / 5 MHz / 1712.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.47	0.0014
3.80	3.35	0.0020
3.30	2.70	0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.97	0.0012
-20	2.12	0.0012
-10	2.85	0.0017
0	2.46	0.0014
10	3.24	0.0019
20	3.07	0.0018
30	2.90	0.0017
40	3.27	0.0019
50	3.63	0.0021
55	3.52	0.0021

LTE Band 66 / 5 MHz / 1777.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	3.39	0.0019
3.80	3.52	0.0020
3.30	2.93	0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.31	0.0013
-20	2.88	0.0016
-10	3.52	0.0020
0	2.29	0.0013
10	3.25	0.0018
20	3.68	0.0021
30	4.01	0.0023
40	2.61	0.0015
50	3.67	0.0021
55	2.58	0.0015

LTE Band 66 / 10 MHz / 1715 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.38	0.0014
3.80	2.99	0.0017
3.30	2.30	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.53	0.0015
-20	1.85	0.0011
-10	2.05	0.0012
0	2.49	0.0015
10	2.12	0.0012
20	2.36	0.0014
30	2.53	0.0015
40	2.50	0.0015
50	2.36	0.0014
55	3.11	0.0018

LTE Band 66 / 10 MHz / 1775 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	3.32	0.0019
3.80	3.01	0.0017
3.30	2.52	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.91	0.0016
-20	1.85	0.0010
-10	2.35	0.0013
0	2.42	0.0014
10	3.03	0.0017
20	2.77	0.0016
30	2.02	0.0011
40	3.00	0.0017
50	3.21	0.0018
55	2.27	0.0013

LTE Band 66 / 15 MHz / 1717.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.15	0.0013
3.80	3.40	0.0020
3.30	3.17	0.0018

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.39	0.0020
-20	3.24	0.0019
-10	3.50	0.0020
0	2.37	0.0014
10	3.06	0.0018
20	3.13	0.0018
30	3.58	0.0021
40	2.23	0.0013
50	3.02	0.0018
55	2.97	0.0017

LTE Band 66 / 15 MHz / 1772.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.28	0.0013
3.80	3.49	0.0020
3.30	3.45	0.0019

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.41	0.0019
-20	3.04	0.0017
-10	2.78	0.0016
0	2.93	0.0017
10	3.40	0.0019
20	1.69	0.0010
30	2.60	0.0015
40	2.43	0.0014
50	2.02	0.0011
55	2.77	0.0016

LTE Band 66 / 20 MHz / 1720 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.59	0.0015
3.80	3.41	0.0020
3.30	3.44	0.0020

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.03	0.0018
-20	2.78	0.0016
-10	3.06	0.0018
0	3.21	0.0019
10	2.69	0.0016
20	3.32	0.0019
30	3.51	0.0020
40	2.43	0.0014
50	3.32	0.0019
55	2.80	0.0016

LTE Band 66 / 20 MHz / 1770 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.30	2.14	0.0012
3.80	3.23	0.0018
3.30	2.27	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.55	0.0020
-20	3.02	0.0017
-10	3.06	0.0017
0	2.39	0.0014
10	1.78	0.0010
20	2.28	0.0013
30	2.80	0.0016
40	2.99	0.0017
50	2.54	0.0014
55	3.85	0.0022