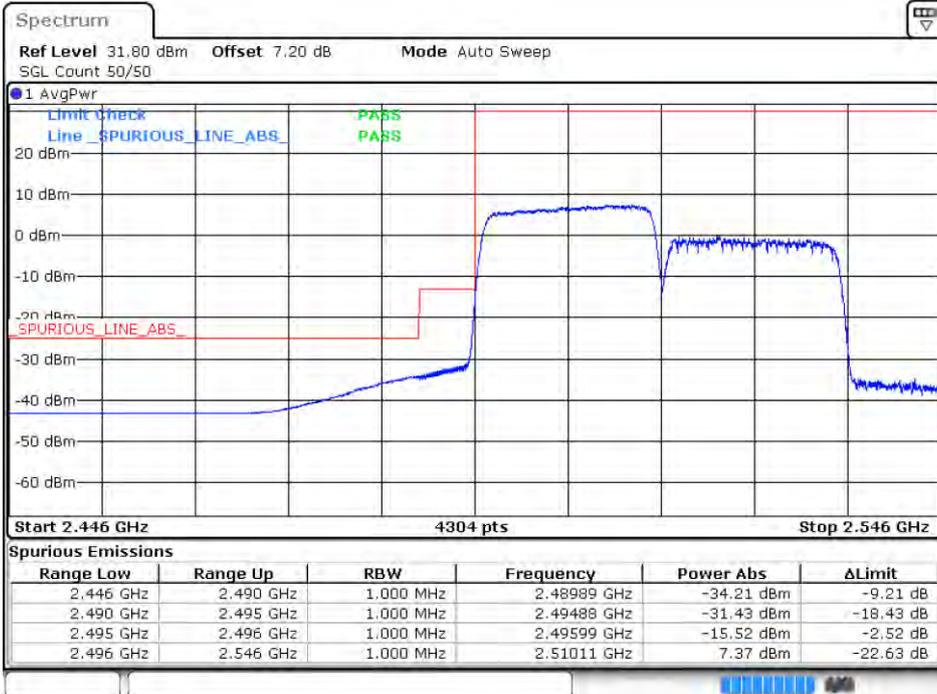
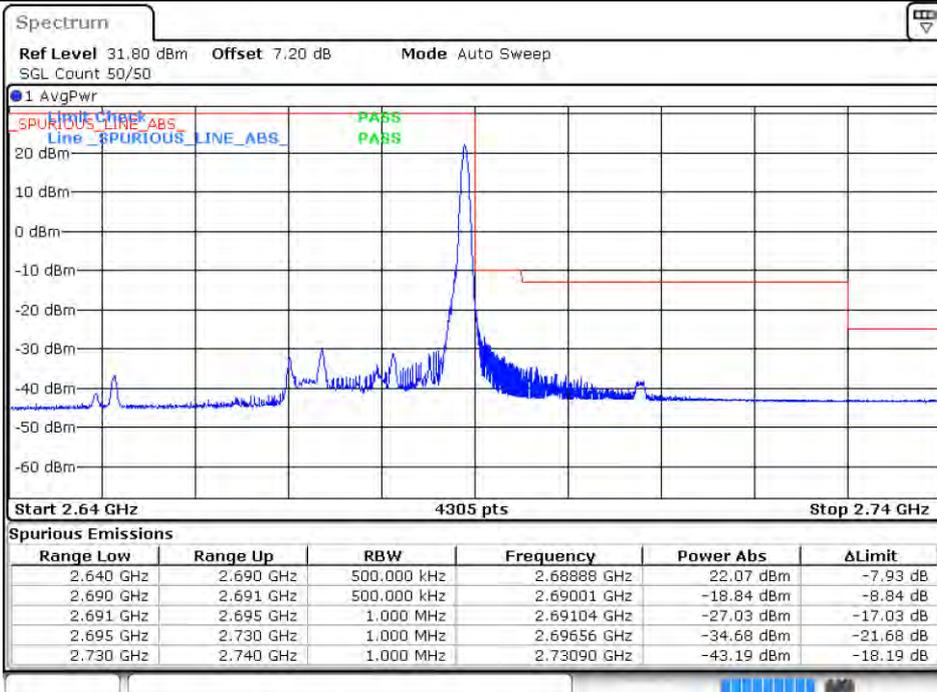


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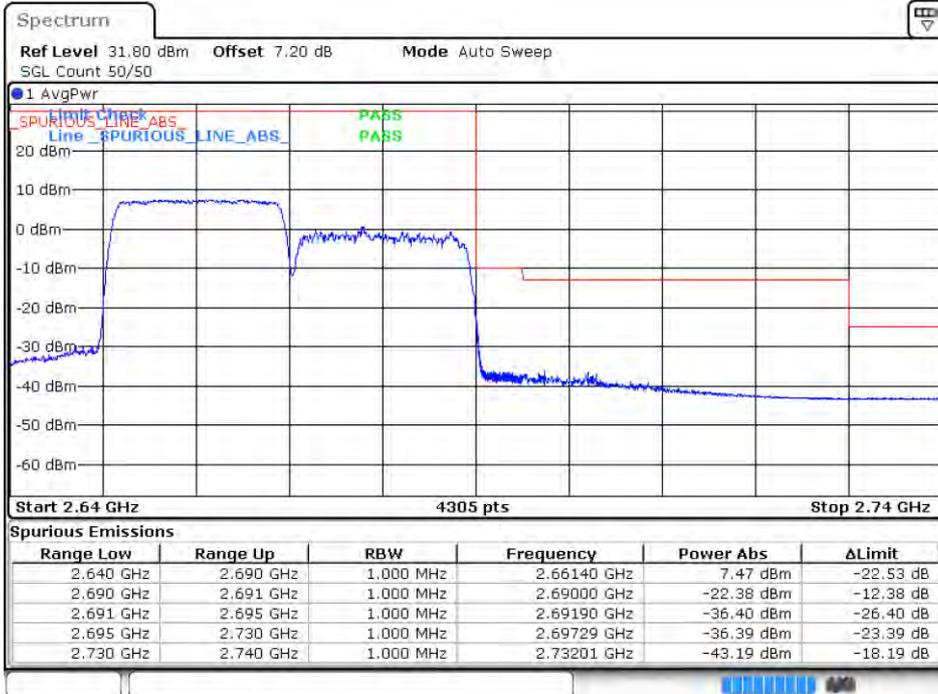
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Date: 8 MAY 2021 02:29:26



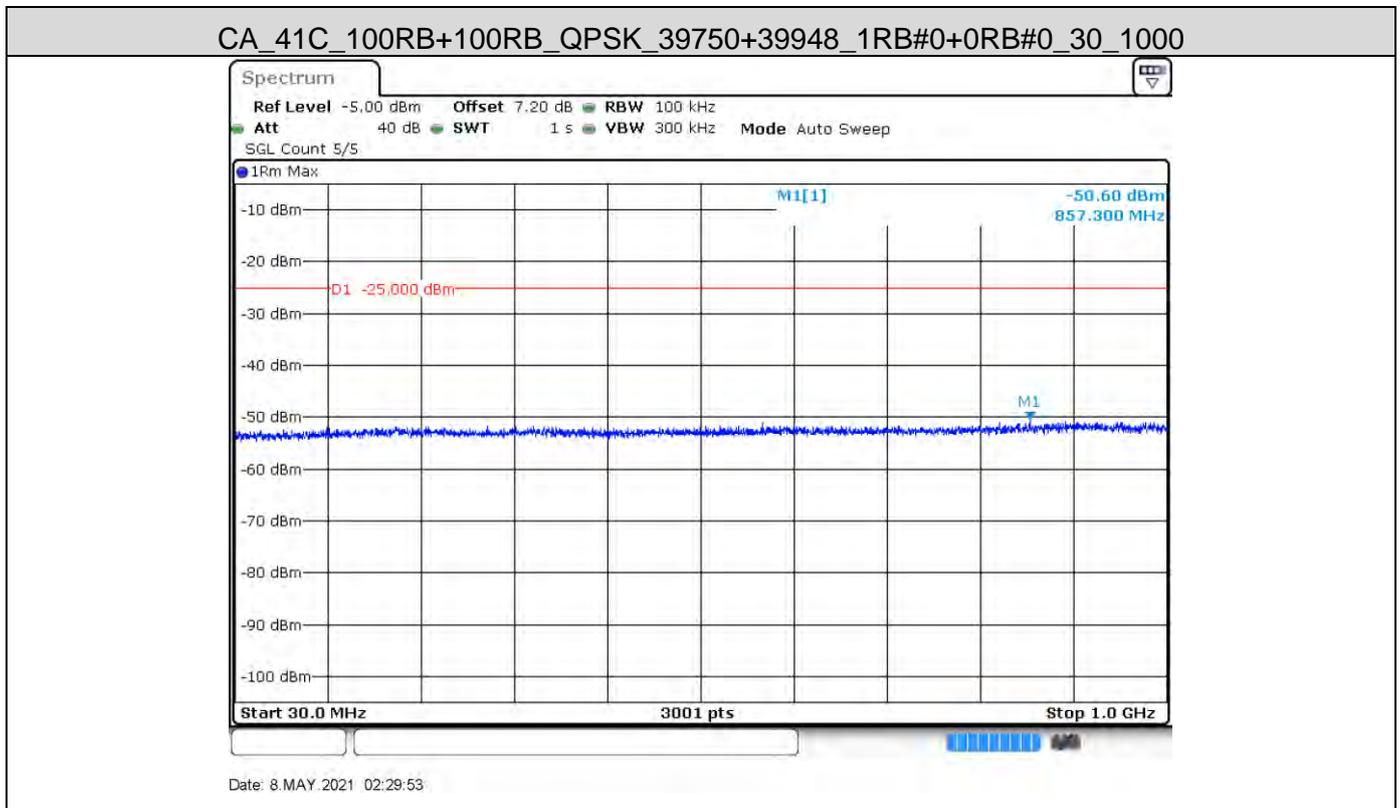
## 6 Spurious Emission at Antenna Terminal

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

Part I - Test Plots

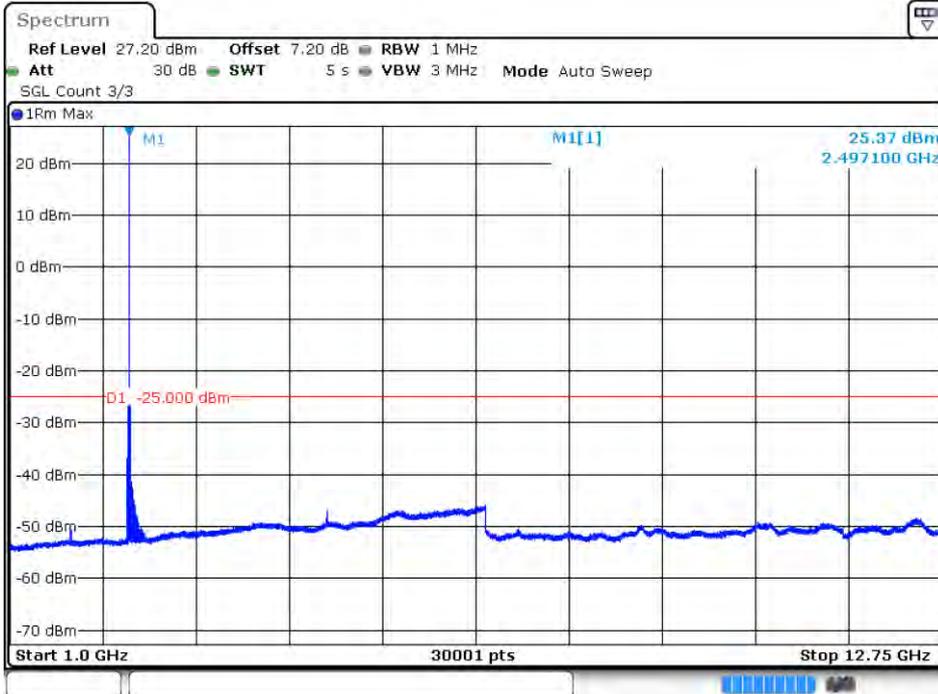
### 6.1 For LTE

#### 6.1.1 Test Band = LTE Band CA\_41C



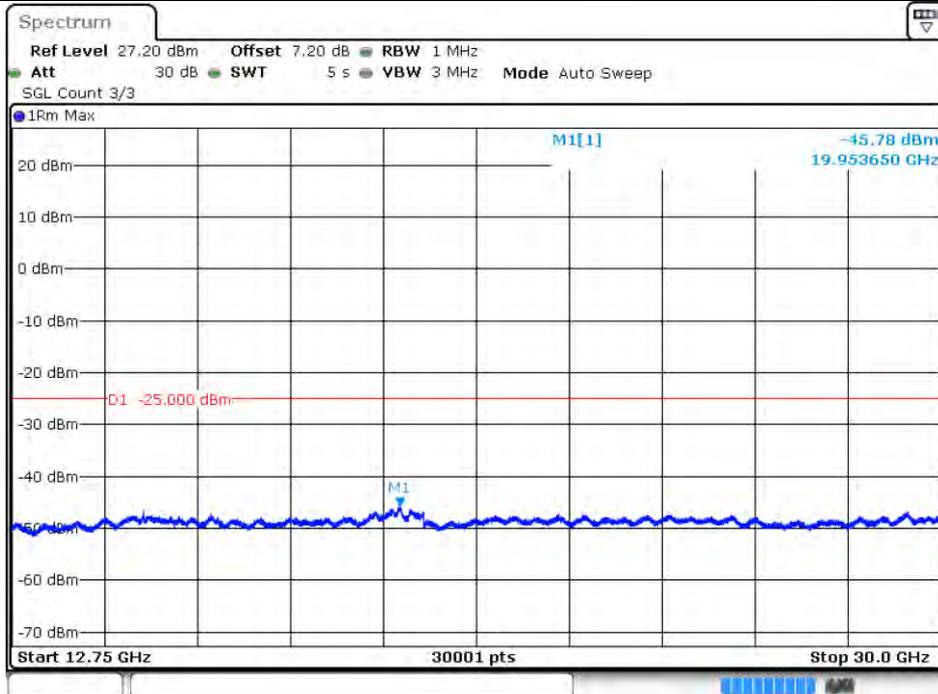
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Date: 8 MAY 2021 02:44:13

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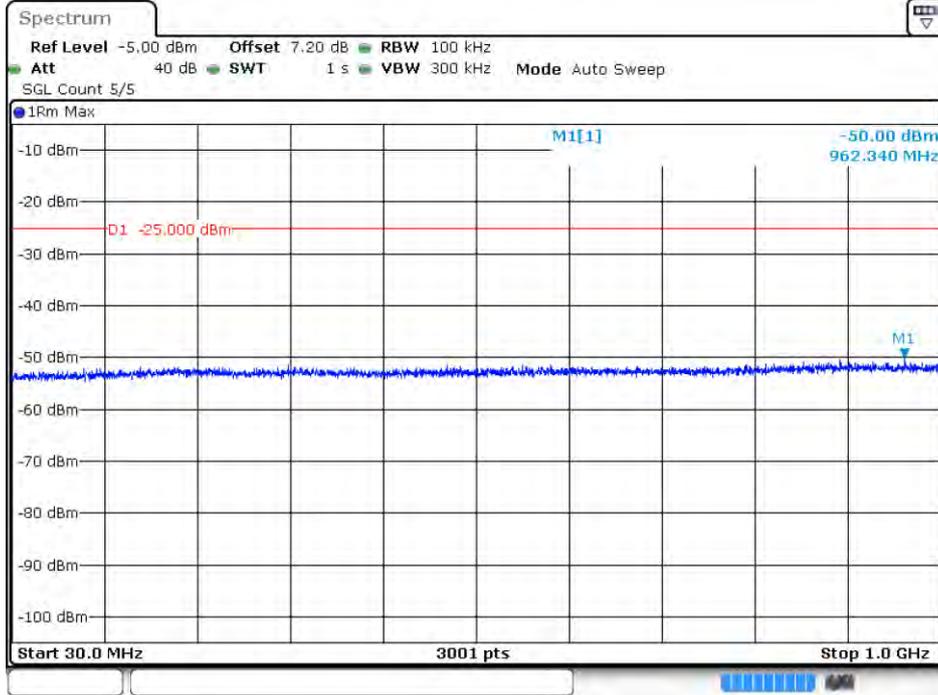


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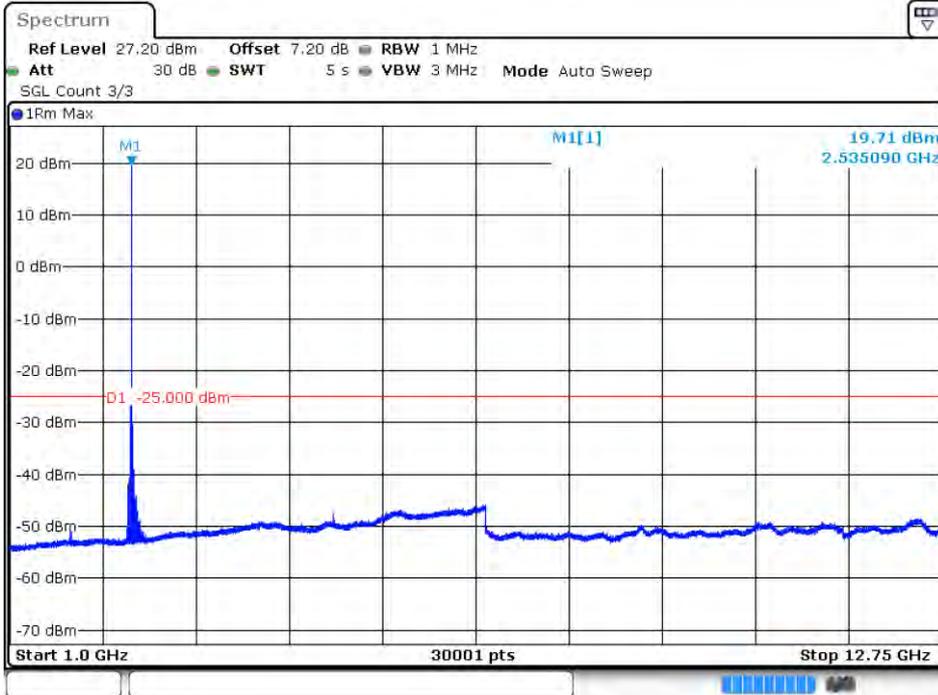
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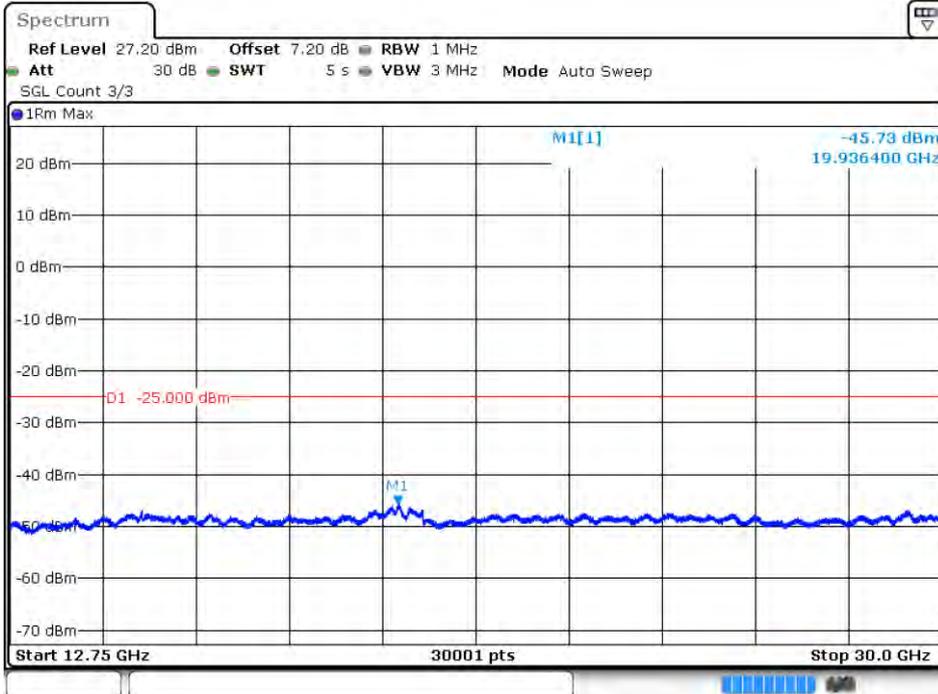


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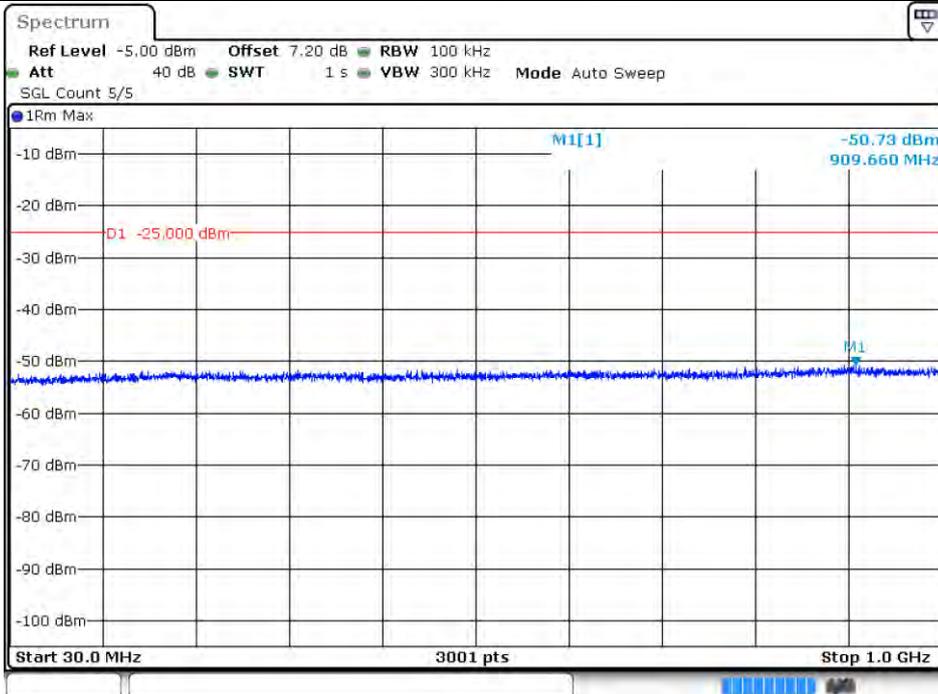
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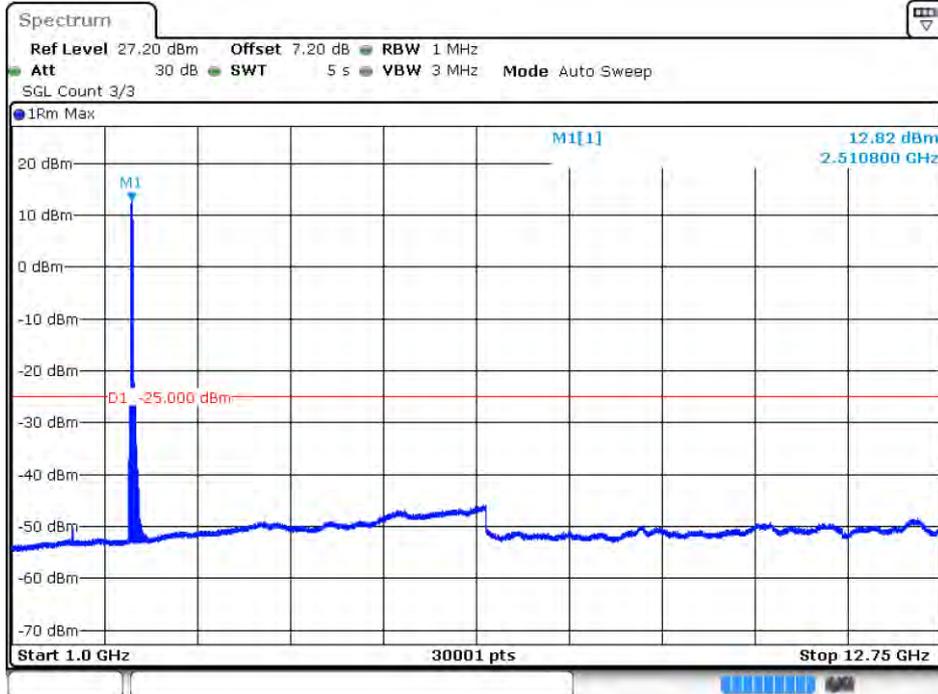


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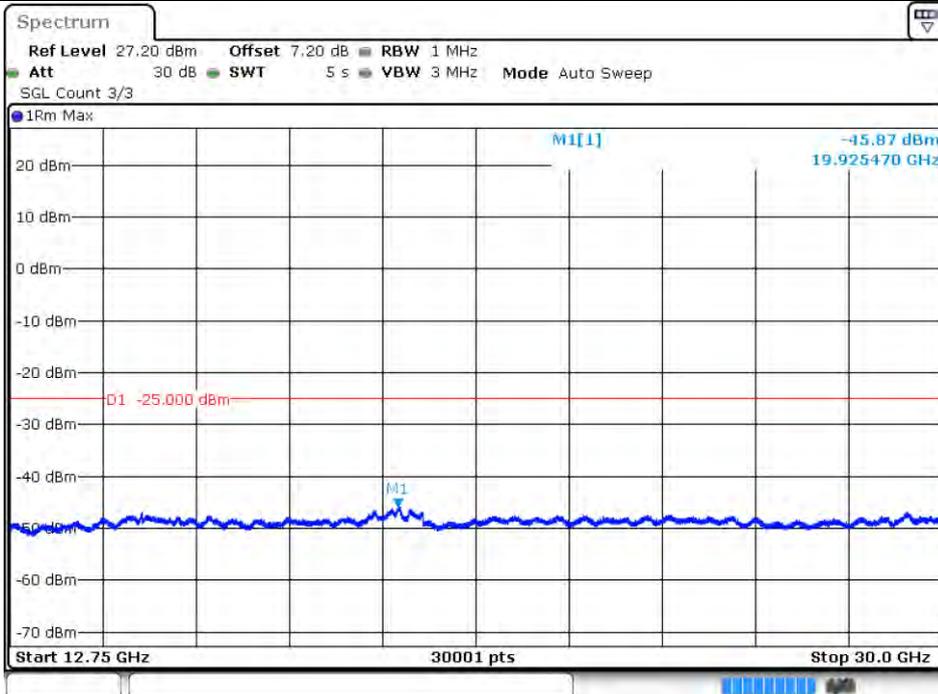
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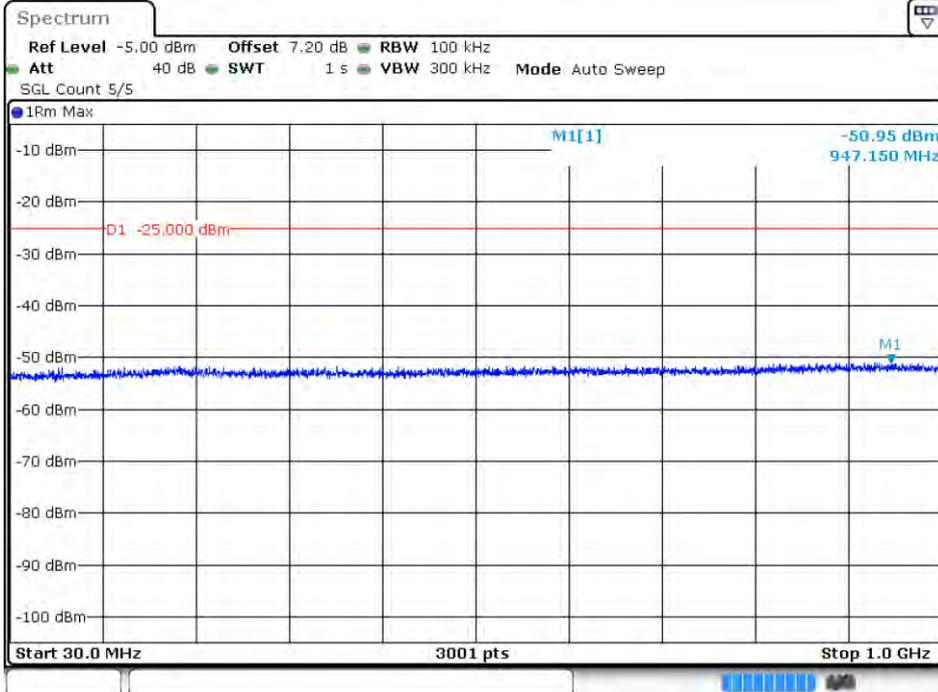


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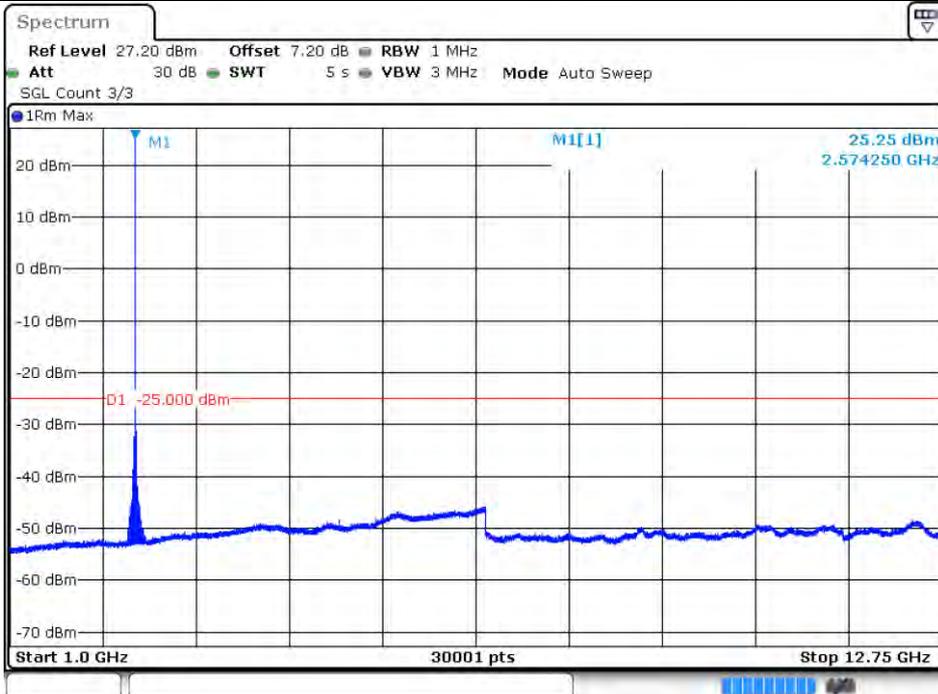
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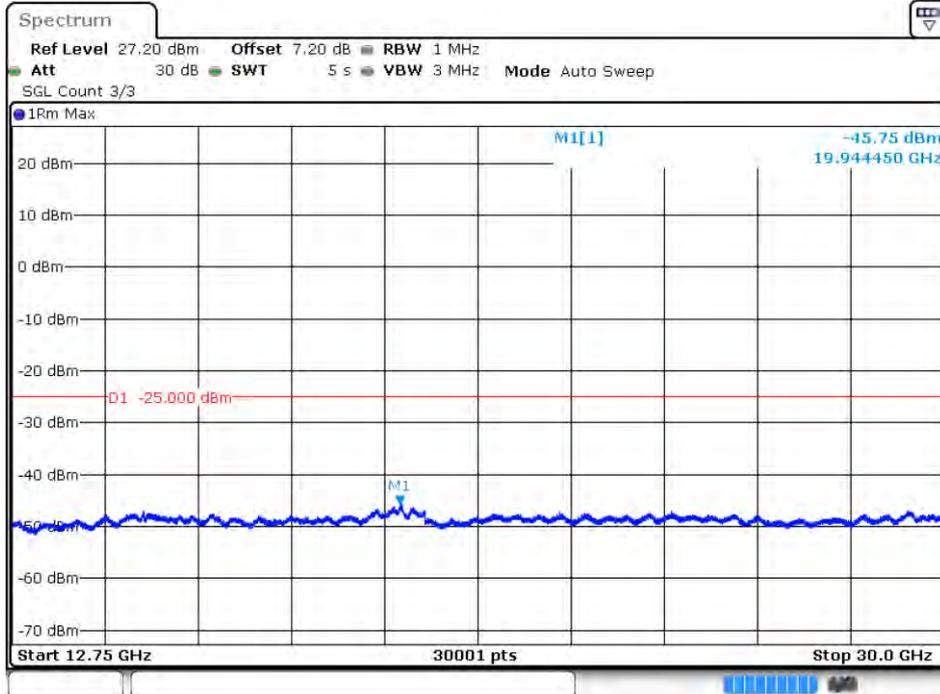
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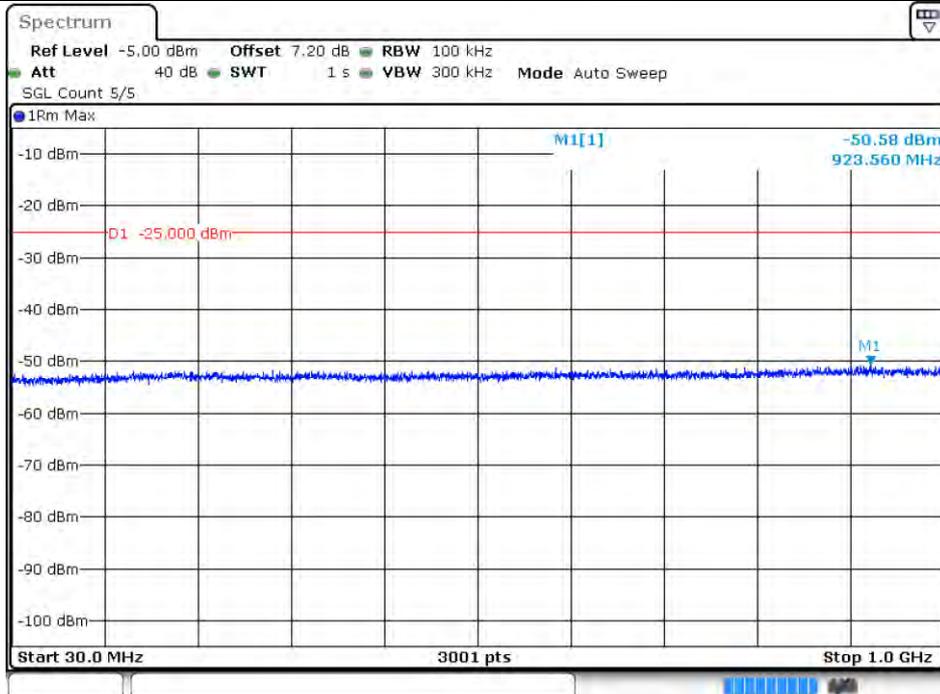


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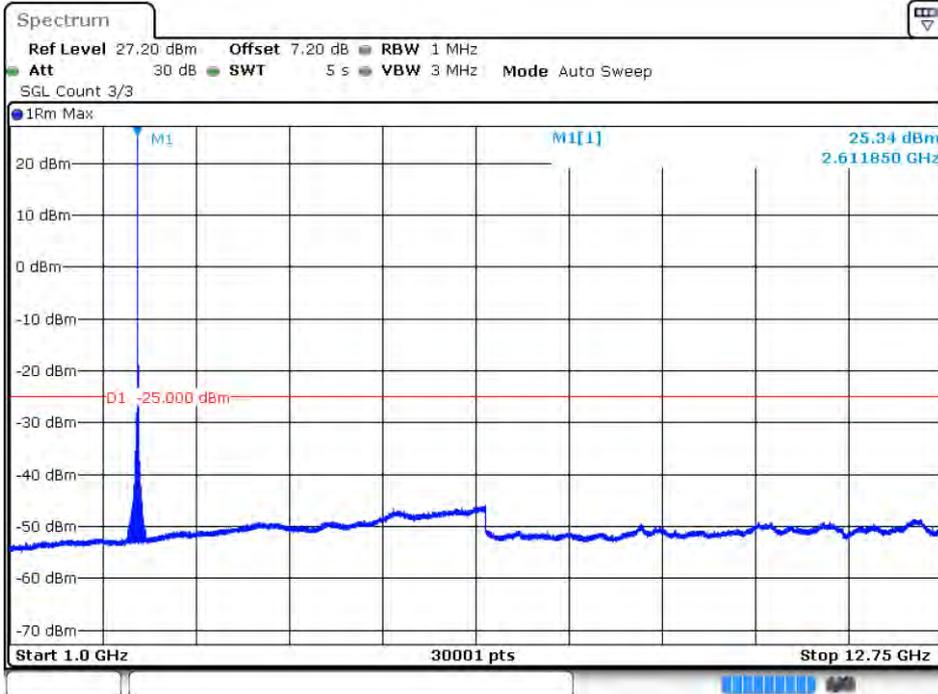


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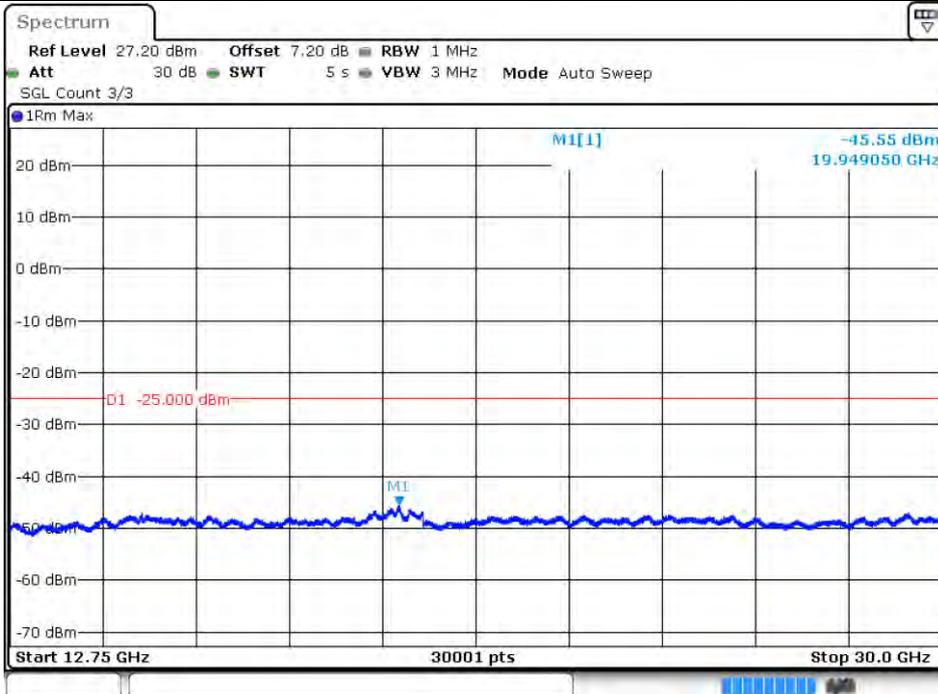
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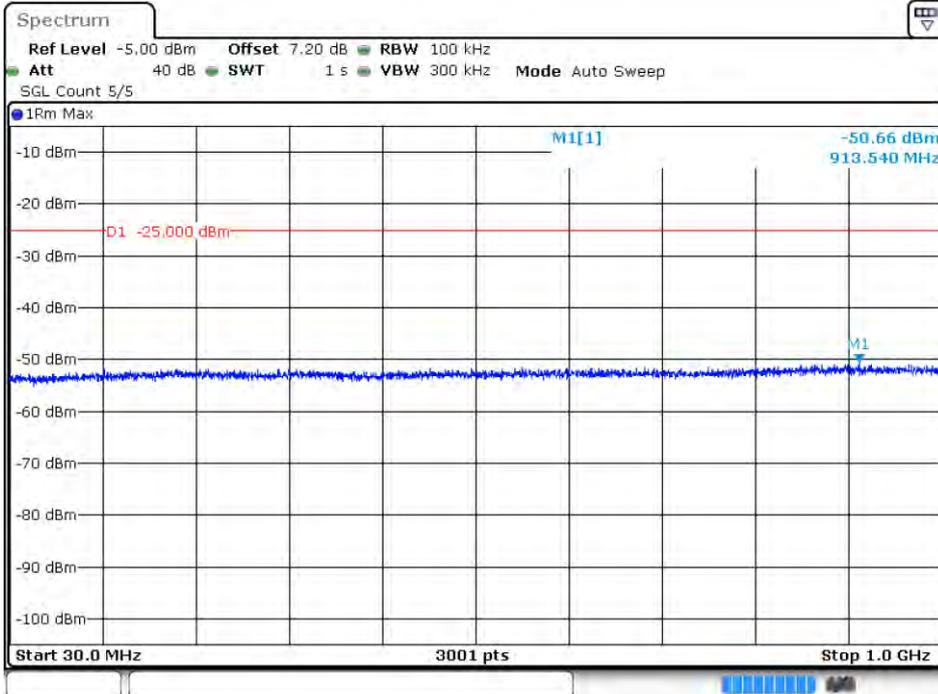


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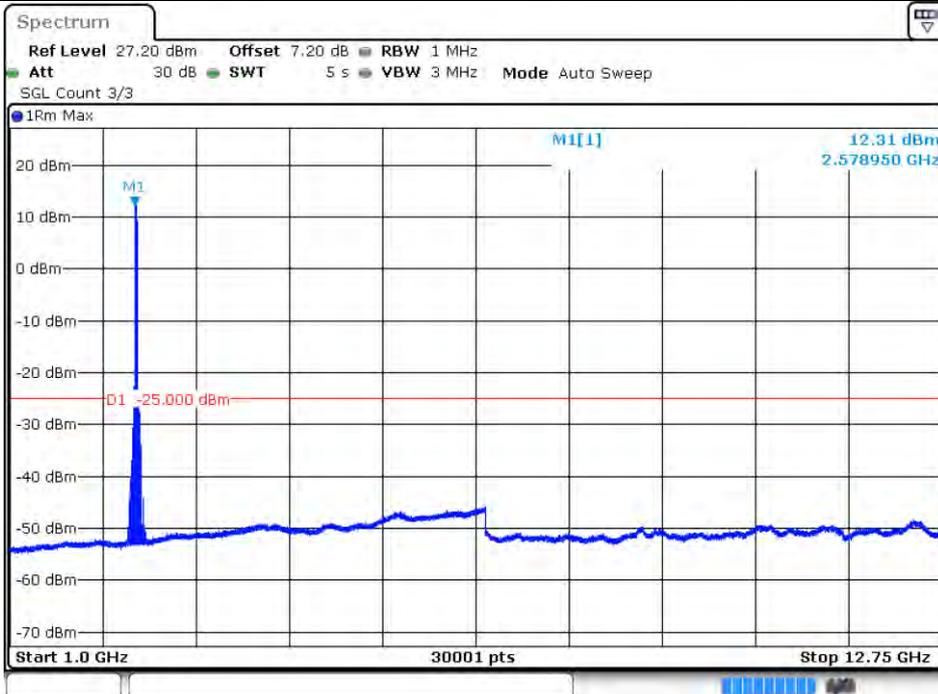
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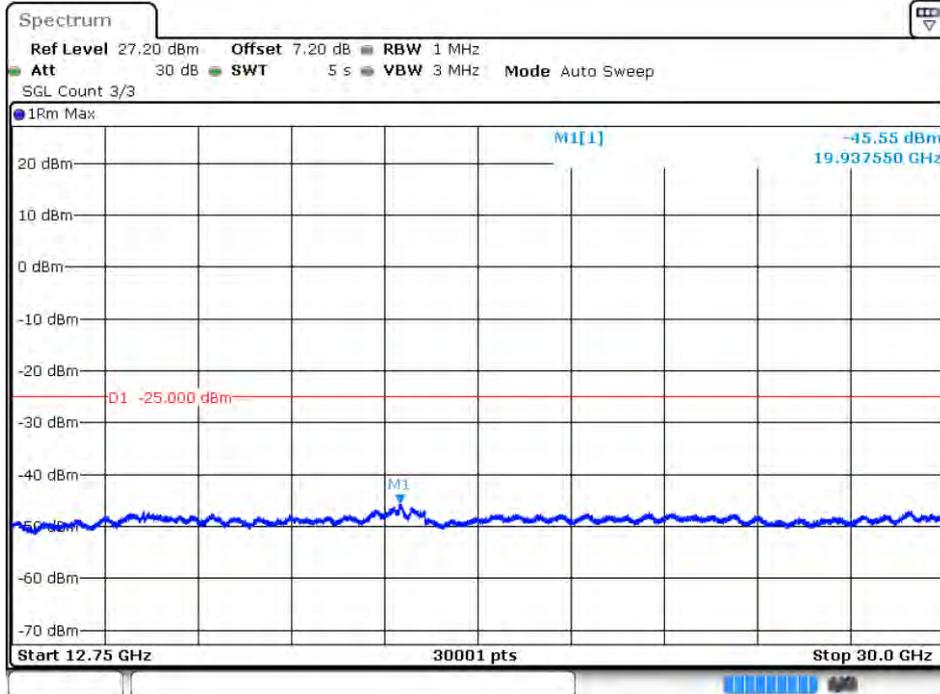


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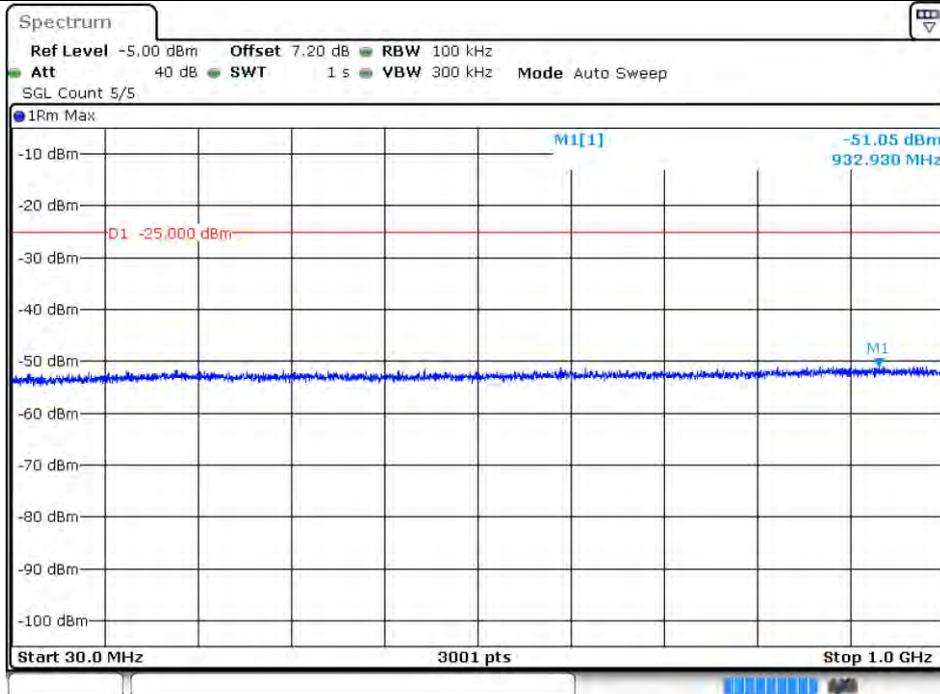
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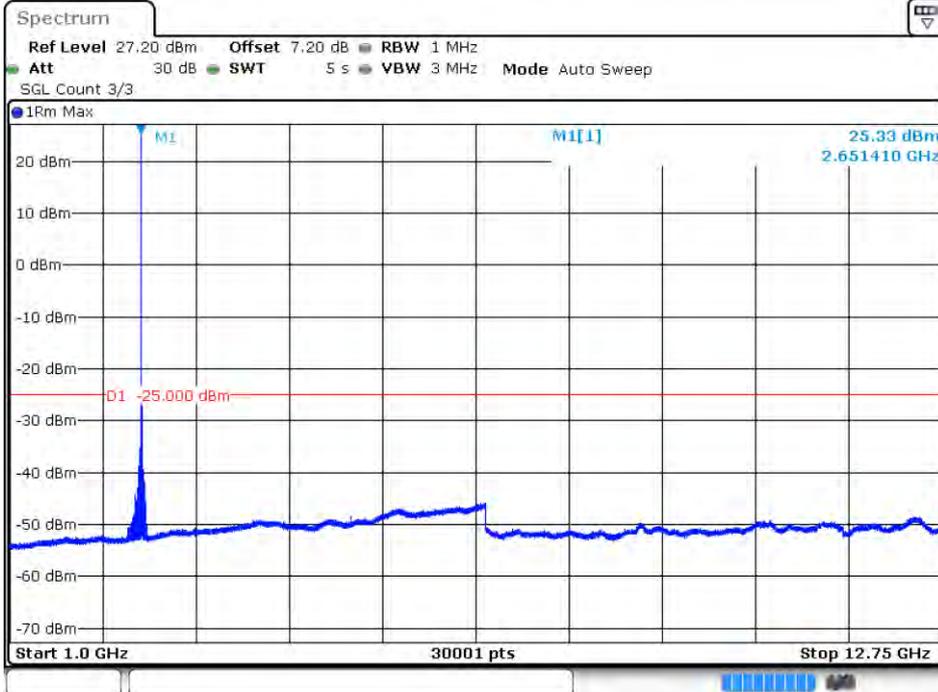


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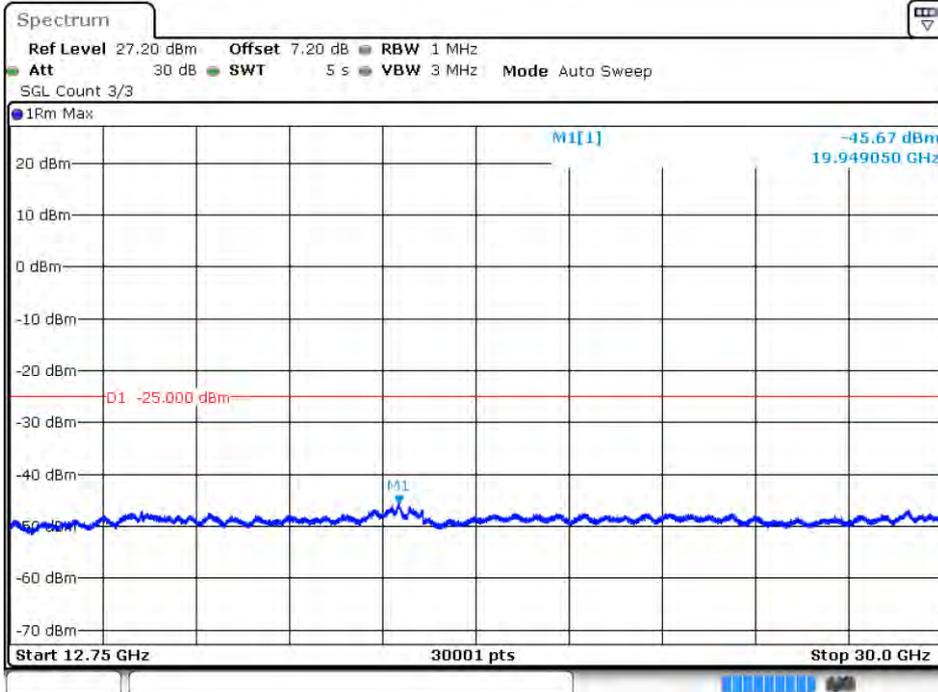
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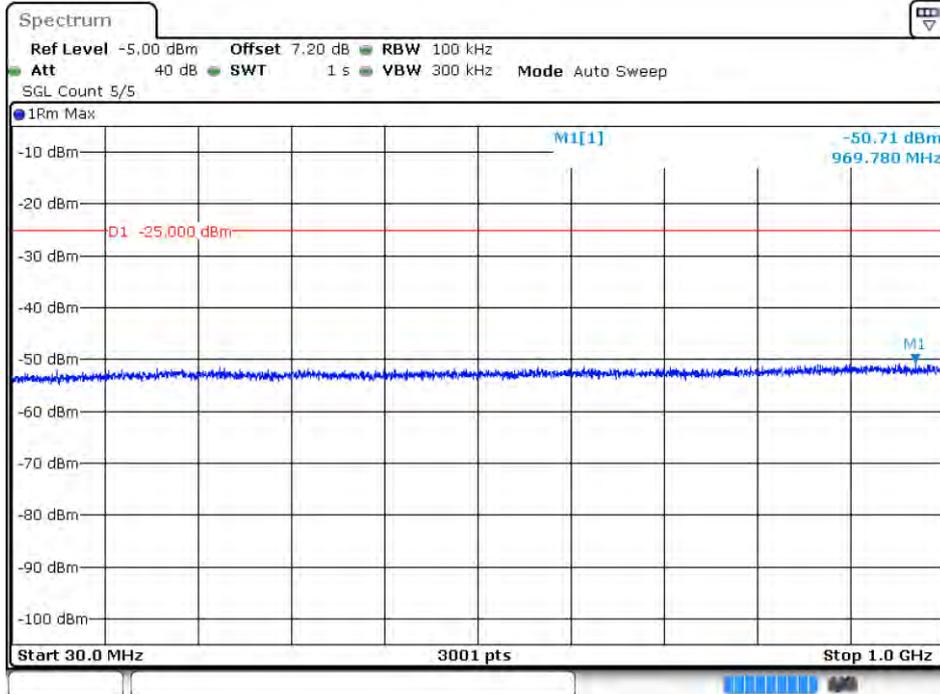
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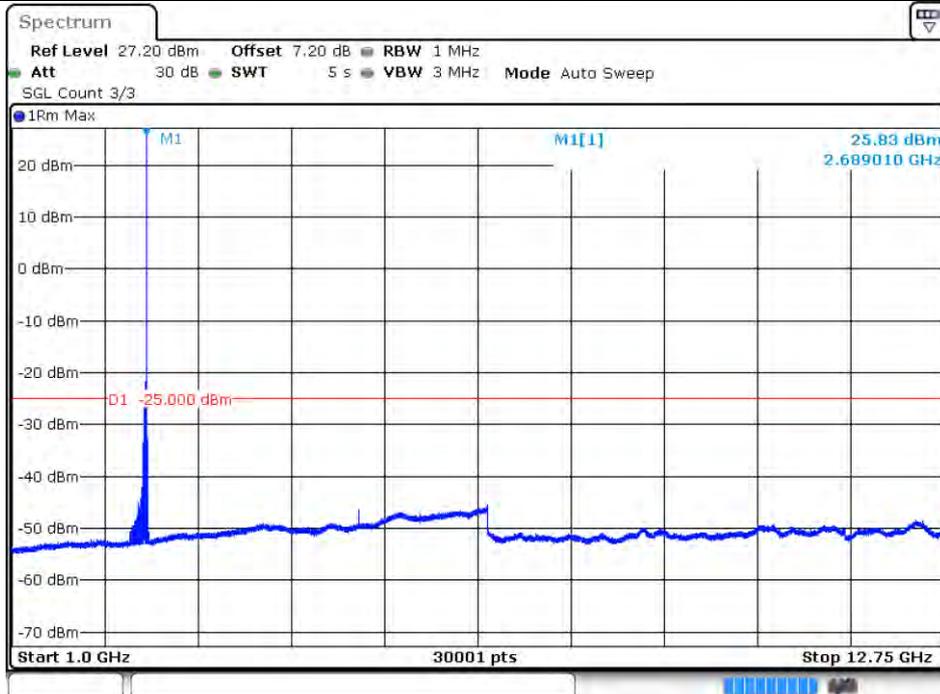


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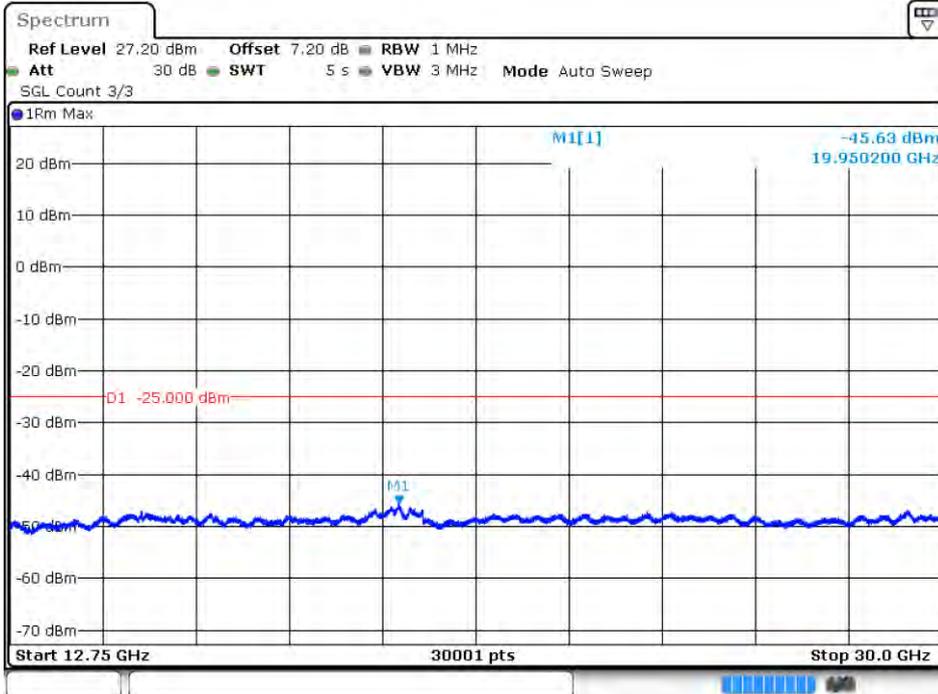
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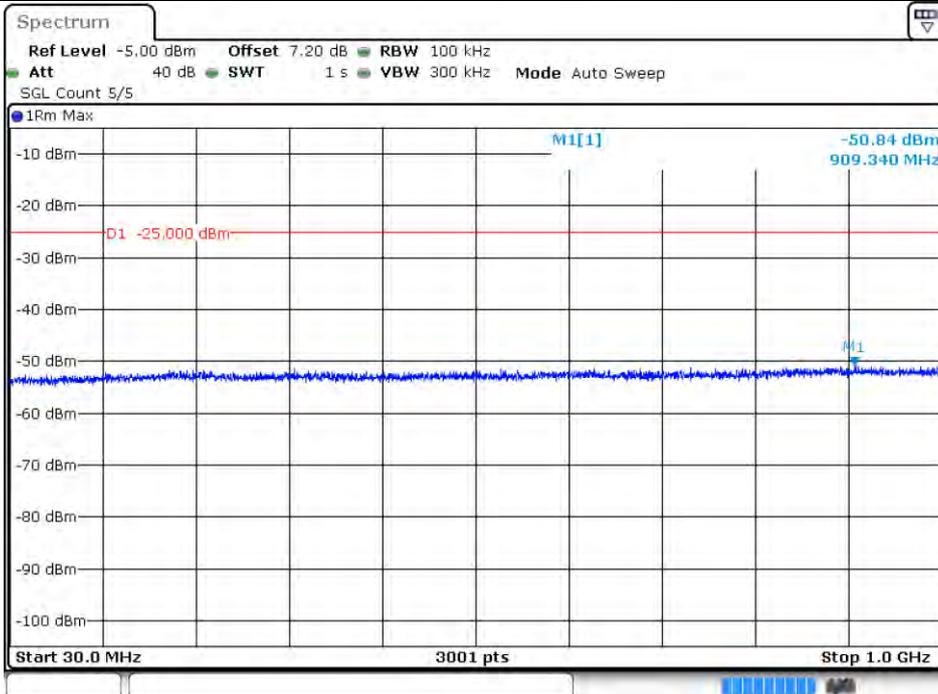


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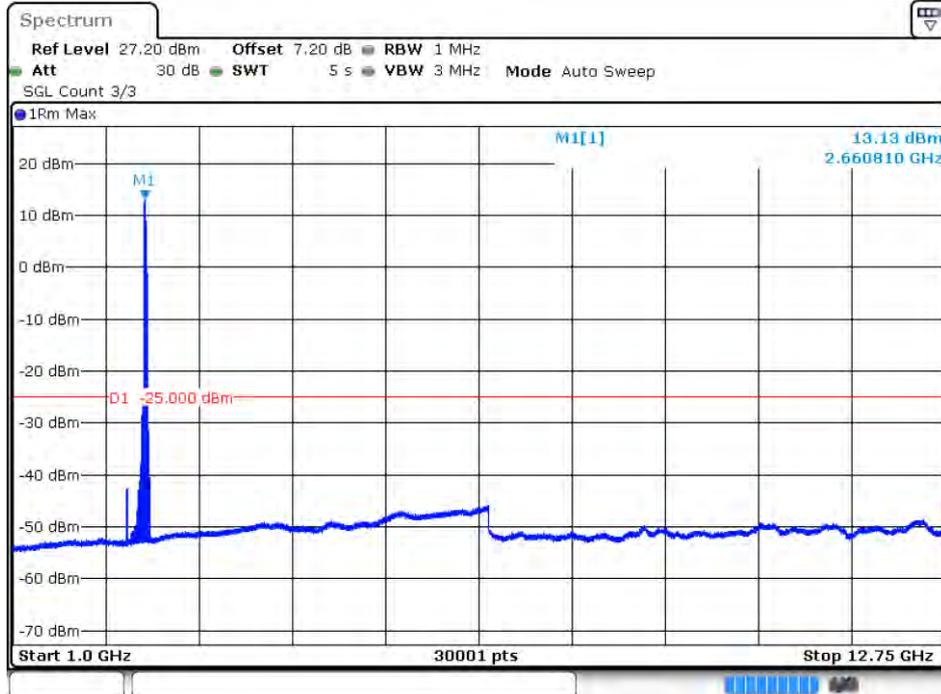
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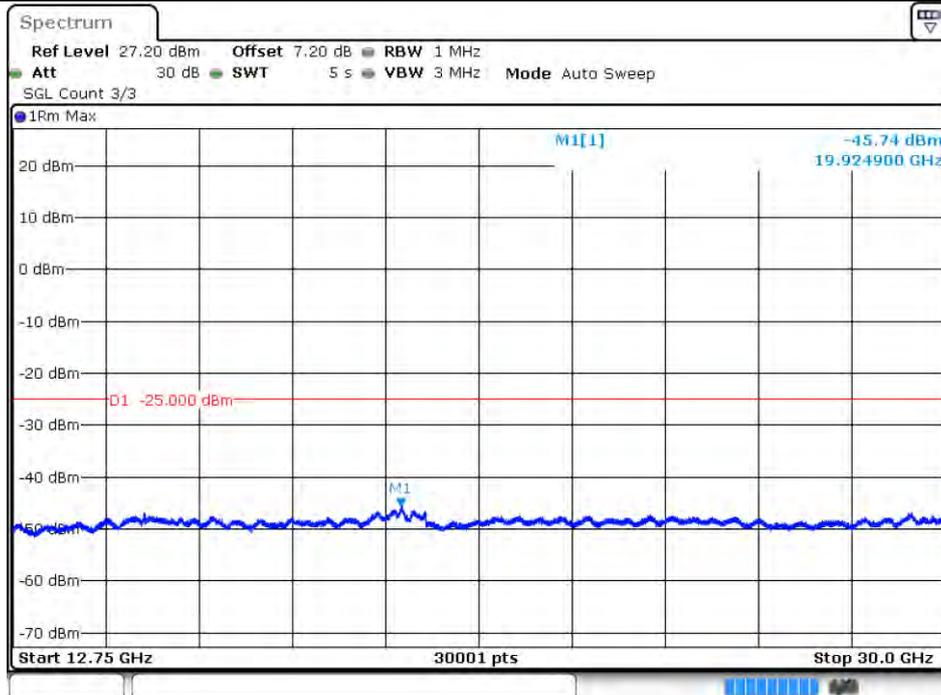


CA\_41C\_100RB+100RB\_QPSK\_41292+41490\_100RB#0+100RB#0\_1000\_12750



Date: 8.MAY.2021 02:51:08

CA\_41C\_100RB+100RB\_QPSK\_41292+41490\_100RB#0+100RB#0\_12750\_30000



Date: 8.MAY.2021 02:59:23



## 7 Field Strength of Spurious Radiation

Below 1GHz:

7.1. Test Band =41C\_ ANT0

7.1.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.1344	38.38	-60.89	-25.00	35.89	Horizontal
2	41.2543	35.44	-62.15	-25.00	37.15	Horizontal
3	104.7049	23.78	-74.54	-25.00	49.54	Horizontal
4	299.9080	24.15	-70.58	-25.00	45.58	Horizontal
5	600.6681	23.23	-63.61	-25.00	38.61	Horizontal
6	833.9028	34.75	-48.85	-25.00	23.85	Horizontal



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**7.2. Test Band =41C\_ ANT0**

**7.2.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.3285	38.35	-60.92	-25.00	35.92	Vertical
2	51.5383	31.14	-65.82	-25.00	40.82	Vertical
3	107.2274	24.30	-74.09	-25.00	49.09	Vertical
4	222.4865	23.82	-73.03	-25.00	48.03	Vertical
5	515.4851	23.12	-65.76	-25.00	40.76	Vertical
6	833.7087	32.86	-50.74	-25.00	25.74	Vertical



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**7.3. Test Band =41C\_ ANT2**

**7.3.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.3285	38.87	-60.40	-25.00	35.40	Horizontal
2	45.3291	31.96	-64.86	-25.00	39.86	Horizontal
3	108.1976	23.49	-74.93	-25.00	49.93	Horizontal
4	218.0236	23.70	-73.19	-25.00	48.19	Horizontal
5	433.2126	25.23	-65.91	-25.00	40.91	Horizontal
6	833.9028	24.91	-58.69	-25.00	33.69	Horizontal



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**7.4. Test Band =41C\_ ANT2**

**7.4.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.1344	39.42	-59.85	-25.00	34.85	Vertical
2	45.3291	32.52	-64.30	-25.00	39.30	Vertical
3	101.9884	23.55	-74.69	-25.00	49.69	Vertical
4	286.9074	23.83	-71.08	-25.00	46.08	Vertical
5	528.0976	24.31	-64.22	-25.00	39.22	Vertical
6	982.7305	22.89	-58.94	-25.00	33.94	Vertical



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**7.5. Test Band = 41C\_ ANT3**

**7.5.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.1344	38.80	-60.47	-25.00	35.47	Horizontal
2	44.9410	32.27	-64.57	-25.00	39.57	Horizontal
3	103.5407	23.54	-74.74	-25.00	49.74	Horizontal
4	230.2481	23.97	-72.98	-25.00	47.98	Horizontal
5	433.2126	24.94	-66.20	-25.00	41.20	Horizontal
6	902.0104	28.76	-53.88	-25.00	28.88	Horizontal



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**7.6. Test Band = 41C\_ ANT3**  
**7.6.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.1344	38.89	-60.38	-25.00	35.38	Vertical
2	45.5231	32.62	-64.20	-25.00	39.20	Vertical
3	105.8692	24.21	-74.14	-25.00	49.14	Vertical
4	251.9804	23.49	-72.35	-25.00	47.35	Vertical
5	433.2126	24.92	-66.22	-25.00	41.22	Vertical
6	972.8346	23.56	-58.30	-25.00	33.30	Vertical



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**7.7. Test Band =41C\_ ANT4**

**7.7.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.1344	39.45	-59.82	-25.00	34.82	Horizontal
2	46.4933	32.66	-64.13	-25.00	39.13	Horizontal
3	103.1526	23.72	-74.55	-25.00	49.55	Horizontal
4	325.1330	24.33	-69.38	-25.00	44.38	Horizontal
5	433.2126	25.06	-66.08	-25.00	41.08	Horizontal
6	991.6563	23.43	-58.31	-25.00	33.31	Horizontal



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**7.8. Test Band = 41C\_ ANT4**

**7.8.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.1344	39.61	-59.66	-25.00	34.66	Vertical
2	45.1350	33.38	-63.45	-25.00	38.45	Vertical
3	99.4659	23.44	-74.84	-25.00	49.84	Vertical
4	305.9232	23.70	-70.67	-25.00	45.67	Vertical
5	433.2126	24.96	-66.18	-25.00	41.18	Vertical
6	996.1192	22.80	-58.87	-25.00	33.87	Vertical



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**Above 1GHz:**

**7.9. Test Band = 41C\_\_ANT0**

**7.9.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1365.2183	21.93	-48.29	-25.00	23.29	Horizontal
2	1934.4467	21.84	-47.52	-25.00	22.52	Horizontal
3	3905.2953	52.61	-61.24	-25.00	36.24	Horizontal
4	6279.9140	51.24	-54.84	-25.00	29.84	Horizontal
5	10027.851	47.71	-50.36	-25.00	25.36	Horizontal
6	17991.749	50.06	-43.65	-25.00	18.65	Horizontal



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**7.10. Test Band = 41C \_\_ ANT0**

**7.10.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1255.8128	21.93	-48.57	-25.00	23.57	Vertical
2	1887.4444	21.89	-47.61	-25.00	22.61	Vertical
3	3635.2818	52.31	-62.44	-25.00	37.44	Vertical
4	5545.6273	50.67	-57.23	-25.00	32.23	Vertical
5	11139.407	46.99	-48.66	-25.00	23.66	Vertical
6	17909.245	49.03	-43.94	-25.00	18.94	Vertical



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**7.11. Test Band = 41C\_\_ ANT0**

**7.11.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1291.3146	21.83	-48.72	-25.00	23.72	Horizontal
2	1776.6388	21.94	-48.08	-25.00	23.08	Horizontal
3	4166.3083	51.92	-60.87	-25.00	35.87	Horizontal
4	6523.6762	50.03	-54.82	-25.00	29.82	Horizontal
5	11912.695	47.66	-46.66	-25.00	21.66	Horizontal
6	17990.249	49.59	-44.09	-25.00	19.09	Horizontal



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**7.12. Test Band = 41C\_\_ ANT0**

**7.12.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1309.0155	21.75	-48.74	-25.00	23.74	Vertical
2	1974.1487	22.20	-46.49	-25.00	21.49	Vertical
3	4530.8265	51.98	-59.85	-25.00	34.85	Vertical
4	6967.6984	49.79	-53.95	-25.00	28.95	Vertical
5	12433.221	47.85	-46.04	-25.00	21.04	Vertical
6	17915.245	49.28	-43.67	-25.00	18.67	Vertical



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**7.13. Test Band = 41C \_\_ ANT0**

**7.13.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1199.8100	21.90	-48.86	-25.00	23.86	Horizontal
2	1970.8485	21.82	-46.84	-25.00	21.84	Horizontal
3	4728.8364	51.33	-59.40	-25.00	34.40	Horizontal
4	7380.2190	50.53	-52.49	-25.00	27.49	Horizontal
5	12857.742	46.93	-46.43	-25.00	21.43	Horizontal
6	17927.996	49.27	-43.64	-25.00	18.64	Horizontal



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**7.14. Test Band = 41C \_\_ ANT0**

**7.14.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1280.9140	21.69	-48.68	-25.00	23.68	Vertical
2	1772.9386	22.17	-47.81	-25.00	22.81	Vertical
3	4749.0875	50.74	-59.77	-25.00	34.77	Vertical
4	7470.9735	49.69	-52.58	-25.00	27.58	Vertical
5	10234.861	47.24	-50.19	-25.00	25.19	Vertical
6	17972.248	49.26	-44.04	-25.00	19.04	Vertical



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**7.15. Test Band = 41C\_\_ANT2**

**7.15.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1151.9076	22.07	-48.17	-13.00	35.17	Horizontal
2	2065.2533	21.72	-46.68	-13.00	33.68	Horizontal
3	4730.3365	51.26	-59.45	-13.00	46.45	Horizontal
4	7483.7242	49.85	-52.31	-13.00	39.31	Horizontal
5	11912.695	47.66	-46.66	-13.00	33.66	Horizontal
6	15036.601	46.19	-45.66	-13.00	32.66	Horizontal



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**7.16. Test Band = 41C\_\_ANT2**

**7.16.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1275.4138	21.79	-48.71	-25.00	23.71	Vertical
2	1927.7464	22.24	-47.30	-25.00	22.30	Vertical
3	3756.7878	52.44	-62.12	-25.00	37.12	Vertical
4	6058.6529	50.23	-56.27	-25.00	31.27	Vertical
5	9595.0798	47.33	-50.95	-25.00	25.95	Vertical
6	17924.246	49.20	-43.72	-25.00	18.72	Vertical



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**7.17. Test Band = 41C\_\_ANT2**

**7.17.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1395.5198	21.85	-48.43	-25.00	23.43	Horizontal
2	1969.4485	21.88	-46.79	-25.00	21.79	Horizontal
3	3914.2957	52.05	-61.80	-25.00	36.80	Horizontal
4	6075.9038	50.43	-56.17	-25.00	31.17	Horizontal
5	9593.5797	47.64	-50.65	-25.00	25.65	Horizontal
6	17828.991	49.68	-44.53	-25.00	19.53	Horizontal



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**7.18. Test Band = 41C\_\_ANT2**

**7.18.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1272.3136	22.03	-48.56	-25.00	23.56	Vertical
2	1968.3484	22.18	-46.54	-25.00	21.54	Vertical
3	4663.5832	51.94	-59.48	-25.00	34.48	Vertical
4	7915.7458	49.51	-52.59	-25.00	27.59	Vertical
5	11901.445	47.12	-47.03	-25.00	22.03	Vertical
6	17995.499	49.80	-43.99	-25.00	18.99	Vertical



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**7.19. Test Band = 41C\_\_ANT2**

**7.19.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1185.1093	21.83	-48.72	-25.00	23.72	Horizontal
2	1880.9440	21.50	-47.87	-25.00	22.87	Horizontal
3	4162.5581	51.19	-61.61	-25.00	36.61	Horizontal
4	6730.6865	49.99	-54.24	-25.00	29.24	Horizontal
5	11233.911	47.85	-47.93	-25.00	22.93	Horizontal
6	17994.749	50.20	-43.57	-25.00	18.57	Horizontal



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**7.20. Test Band = 41C\_\_ANT2**

**7.20.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1290.0145	21.90	-48.66	-25.00	23.66	Vertical
2	1919.2460	21.72	-47.89	-25.00	22.89	Vertical
3	4418.3209	51.77	-60.42	-25.00	35.42	Vertical
4	7368.2184	49.60	-53.38	-25.00	28.38	Vertical
5	11920.946	47.62	-46.83	-25.00	21.83	Vertical
6	17909.245	49.77	-43.20	-25.00	18.20	Vertical



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**7.21. Test Band = 41C\_\_ANT3**

**7.21.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1283.9142	21.77	-48.67	-25.00	23.67	Horizontal
2	1972.7486	22.24	-46.44	-25.00	21.44	Horizontal
3	4452.8226	51.56	-60.38	-25.00	35.38	Horizontal
4	7485.2243	49.77	-52.38	-25.00	27.38	Horizontal
5	11911.945	47.76	-46.55	-25.00	21.55	Horizontal
6	17933.246	48.97	-43.92	-25.00	18.92	Horizontal



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**7.22. Test Band = 41C\_\_ANT3**

**7.22.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1383.5192	21.93	-48.29	-25.00	23.29	Vertical
2	1967.8484	21.81	-46.93	-25.00	21.93	Vertical
3	4061.3031	52.91	-60.92	-25.00	35.92	Vertical
4	6726.9363	49.79	-54.52	-25.00	29.52	Vertical
5	11115.405	46.98	-48.96	-25.00	23.96	Vertical
6	17985.749	49.65	-43.93	-25.00	18.93	Vertical



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**7.23. Test Band = 41C\_\_ANT3**

**7.23.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1200.3100	21.84	-48.93	-25.00	23.93	Horizontal
2	2067.9534	21.89	-46.57	-25.00	21.57	Horizontal
3	4117.5559	52.38	-60.96	-25.00	35.96	Horizontal
4	7371.2186	50.17	-52.82	-25.00	27.82	Horizontal
5	11236.161	48.09	-47.70	-25.00	22.70	Horizontal
6	17985.749	49.31	-44.27	-25.00	19.27	Horizontal



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**7.24. Test Band = 41C\_\_ANT3**

**7.24.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1152.2076	21.76	-48.48	-25.00	23.48	Vertical
2	1743.3372	21.87	-48.34	-25.00	23.34	Vertical
3	3914.2957	52.15	-61.70	-25.00	36.70	Vertical
4	6968.4484	49.70	-54.04	-25.00	29.04	Vertical
5	11892.444	47.43	-46.85	-25.00	21.85	Vertical
6	17807.240	49.69	-44.50	-25.00	19.50	Vertical



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**7.25. Test Band = 41C\_\_ANT3**

**7.25.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1371.6186	21.69	-48.49	-25.00	23.49	Horizontal
2	1970.1485	21.66	-46.99	-25.00	21.99	Horizontal
3	4217.3109	52.17	-60.55	-25.00	35.55	Horizontal
4	6506.4253	49.65	-54.83	-25.00	29.83	Horizontal
5	11244.412	47.93	-47.89	-25.00	22.89	Horizontal
6	17909.995	49.02	-43.94	-25.00	18.94	Horizontal



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**7.26. Test Band = 41C\_\_ANT3**

**7.26.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1181.4091	22.05	-48.53	-25.00	23.53	Vertical
2	1806.0403	21.78	-48.25	-25.00	23.25	Vertical
3	4548.0774	51.78	-60.08	-25.00	35.08	Vertical
4	6753.1877	50.06	-53.85	-25.00	28.85	Vertical
5	11236.161	48.10	-47.69	-25.00	22.69	Vertical
6	17907.745	48.84	-44.13	-25.00	19.13	Vertical



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**7.27. Test Band = 41C\_\_ANT4**

**7.27.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1284.0142	21.51	-48.93	-25.00	23.93	Horizontal
2	1741.7371	21.91	-48.24	-25.00	23.24	Horizontal
3	3933.0467	52.21	-61.62	-25.00	36.62	Horizontal
4	6221.4111	50.19	-56.11	-25.00	31.11	Horizontal
5	10707.385	47.87	-49.38	-25.00	24.38	Horizontal
6	17843.242	50.04	-44.18	-25.00	19.18	Horizontal



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**7.28. Test Band = 41C\_\_ANT4**

**7.28.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1364.7182	21.85	-48.37	-25.00	23.37	Vertical
2	1925.5463	22.08	-47.48	-25.00	22.48	Vertical
3	4737.0869	50.98	-59.66	-25.00	34.66	Vertical
4	7473.2237	49.76	-52.49	-25.00	27.49	Vertical
5	12406.970	47.01	-47.11	-25.00	22.11	Vertical
6	17987.999	49.96	-43.67	-25.00	18.67	Vertical



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**7.29. Test Band = 41C\_\_ANT4**

**7.29.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1342.9171	21.91	-48.50	-25.00	23.50	Horizontal
2	1966.2483	22.11	-46.69	-25.00	21.69	Horizontal
3	5188.6094	50.81	-58.23	-25.00	33.23	Horizontal
4	8788.7894	48.29	-51.40	-25.00	26.40	Horizontal
5	13385.769	46.33	-46.17	-25.00	21.17	Horizontal
6	17954.247	48.82	-44.10	-25.00	19.10	Horizontal



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**7.30. Test Band = 41C\_\_ANT4**

**7.30.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1322.5161	21.56	-48.95	-25.00	23.95	Vertical
2	1878.7439	21.74	-47.63	-25.00	22.63	Vertical
3	5173.6087	50.85	-58.37	-25.00	33.37	Vertical
4	7112.4556	49.10	-53.96	-25.00	28.96	Vertical
5	12259.213	46.32	-47.82	-25.00	22.82	Vertical
6	17984.999	49.73	-43.84	-25.00	18.84	Vertical



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**7.31. Test Band = 41C\_\_ANT4**

**7.31.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1309.9155	22.00	-48.49	-25.00	23.49	Horizontal
2	2022.2511	21.93	-46.75	-25.00	21.75	Horizontal
3	4201.5601	51.34	-61.42	-25.00	36.42	Horizontal
4	6976.6988	49.95	-53.74	-25.00	28.74	Horizontal
5	10017.350	48.07	-50.06	-25.00	25.06	Horizontal
6	17986.499	49.51	-44.09	-25.00	19.09	Horizontal



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**7.32. Test Band = 41C\_\_ANT4**

**7.32.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1265.5133	21.94	-48.57	-25.00	23.57	Vertical
2	1984.8492	21.87	-46.91	-25.00	21.91	Vertical
3	3926.2963	52.25	-61.58	-25.00	36.58	Vertical
4	6527.4264	50.33	-54.60	-25.00	29.60	Vertical
5	10594.879	47.30	-49.59	-25.00	24.59	Vertical
6	17984.999	49.64	-43.93	-25.00	18.93	Vertical

Remark:

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



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## 8 Frequency Stability

### 8.1 Frequency Error VS. Voltage

Test Band	Test Mode	Test Channel	RB Config	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	TN	NV	6.25	0.002494	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	TN	NV	-12.62	-0.004885	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	TN	NV	8.96	0.003369	PASS
CA_41C	QPSK	39948+39750	100RB#0/100RB#0	TN	NV	7.09	0.002809	PASS
CA_41C	QPSK	39948+39750	100RB#0/100RB#0	TN	NV	-10.61	-0.004075	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	TN	NV	10.82	0.004038	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	TN	NV	7.45	0.002975	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	TN	NV	4.93	0.001908	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	TN	NV	-4.36	-0.001639	PASS
CA_41C	16QAM	39948+39750	100RB#0/100RB#0	TN	NV	-6.90	-0.002730	PASS
CA_41C	16QAM	39948+39750	100RB#0/100RB#0	TN	NV	6.01	0.002308	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	TN	NV	-5.21	-0.001943	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	TN	NV	11.97	0.004777	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	TN	NV	2.87	0.001113	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	TN	NV	-8.40	-0.003159	PASS
CA_41C	64QAM	39948+39750	100RB#0/100RB#0	TN	NV	0.84	0.000334	PASS
CA_41C	64QAM	39948+39750	100RB#0/100RB#0	TN	NV	0.41	0.000159	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	TN	NV	9.39	0.003502	PASS



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### 8.2 Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	RB	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			Config					
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	-30	-11.11	-0.004434	PASS
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	-20	-11.93	-0.004761	PASS
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	-10	-6.99	-0.002788	PASS
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	0	12.36	0.004933	PASS
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	10	5.56	0.002219	PASS
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	20	3.39	0.001351	PASS
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	30	5.10	0.002034	PASS
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	40	-2.42	-0.000964	PASS
CA_41C	QPSK	39750+39948	100RB#0/100RB#0	NV	50	-0.32	-0.000127	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	-30	10.14	0.003927	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	-20	6.52	0.002523	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	-10	0.64	0.000249	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	0	5.03	0.001947	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	10	-6.76	-0.002618	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	20	13.23	0.005123	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	30	-4.54	-0.001759	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	40	-2.45	-0.000948	PASS
CA_41C	QPSK	40521+40719	100RB#0/100RB#0	NV	50	4.78	0.001850	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	-30	-5.96	-0.002242	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	-20	-14.14	-0.005315	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	-10	10.80	0.004059	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	0	3.88	0.001457	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	10	-3.53	-0.001326	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	20	9.49	0.003567	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	30	-1.06	-0.000397	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	40	-12.06	-0.004532	PASS
CA_41C	QPSK	41292+41490	100RB#0/100RB#0	NV	50	6.84	0.002571	PASS
CA_41C	QPSK	39948+39750	100RB#0/100RB#0	NV	-30	-8.92	-0.003532	PASS
CA_41C	QPSK	39948+39750	100RB#0/100RB#0	NV	-20	-13.40	-0.005305	PASS
CA_41C	QPSK	39948+39750	100RB#0/100RB#0	NV	-10	8.00	0.003166	PASS
CA_41C	QPSK	39948+39750	100RB#0/100RB#0	NV	0	-0.86	-0.000342	PASS
CA_41C	QPSK	39948+39750	100RB#0/100RB#0	NV	10	1.83	0.000726	PASS
CA_41C	QPSK	39948+39750	100RB#0/100RB#0	NV	20	11.82	0.004679	PASS
CA_41C	QPSK	39948+39750	100RB#0/100RB#0	NV	30	2.18	0.000861	PASS
CA_41C	QPSK	39948+39750	100RB#0/100RB#0	NV	40	12.25	0.004850	PASS
CA_41C	QPSK	39948+39750	100RB#0/100RB#0	NV	50	1.87	0.000738	PASS
CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	-30	-12.04	-0.004628	PASS
CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	-20	4.35	0.001671	PASS
CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	-10	1.59	0.000610	PASS
CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	0	4.16	0.001600	PASS



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CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	10	-14.16	-0.005439	PASS
CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	20	14.04	0.005395	PASS
CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	30	1.04	0.000401	PASS
CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	40	9.40	0.003610	PASS
CA_41C	QPSK	40719+40521	100RB#0/100RB#0	NV	50	10.16	0.003904	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	-30	6.68	0.002492	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	-20	-3.53	-0.001315	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	-10	-9.56	-0.003567	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	0	4.33	0.001614	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	10	3.87	0.001444	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	20	12.55	0.004681	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	30	-1.70	-0.000634	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	40	-9.78	-0.003648	PASS
CA_41C	QPSK	41490+41292	100RB#0/100RB#0	NV	50	8.70	0.003246	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	-30	3.27	0.001304	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	-20	-12.47	-0.004976	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	-10	12.33	0.004922	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	0	-0.24	-0.000098	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	10	-3.48	-0.001390	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	20	10.75	0.004291	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	30	12.43	0.004961	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	40	10.42	0.004159	PASS
CA_41C	16QAM	39750+39948	100RB#0/100RB#0	NV	50	7.96	0.003175	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	-30	-2.98	-0.001155	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	-20	6.45	0.002497	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	-10	6.12	0.002371	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	0	-1.68	-0.000649	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	10	2.46	0.000954	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	20	3.84	0.001486	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	30	-14.25	-0.005515	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	40	5.46	0.002113	PASS
CA_41C	16QAM	40521+40719	100RB#0/100RB#0	NV	50	4.92	0.001905	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	-30	-4.49	-0.001686	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	-20	-4.22	-0.001585	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	-10	4.42	0.001661	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	0	0.50	0.000188	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	10	6.99	0.002628	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	20	-1.04	-0.000393	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	30	-9.77	-0.003674	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	40	12.38	0.004653	PASS
CA_41C	16QAM	41292+41490	100RB#0/100RB#0	NV	50	-8.31	-0.003122	PASS
CA_41C	16QAM	39948+39750	100RB#0/100RB#0	NV	-30	3.42	0.001355	PASS
CA_41C	16QAM	39948+39750	100RB#0/100RB#0	NV	-20	-4.34	-0.001718	PASS
CA_41C	16QAM	39948+39750	100RB#0/100RB#0	NV	-10	-10.19	-0.004036	PASS



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CA_41C	16QAM	39948+39750	100RB#0/100RB#0	NV	0	-2.29	-0.000908	PASS
CA_41C	16QAM	39948+39750	100RB#0/100RB#0	NV	10	8.89	0.003519	PASS
CA_41C	16QAM	39948+39750	100RB#0/100RB#0	NV	20	-0.99	-0.000391	PASS
CA_41C	16QAM	39948+39750	100RB#0/100RB#0	NV	30	14.44	0.005715	PASS
CA_41C	16QAM	39948+39750	100RB#0/100RB#0	NV	40	-4.04	-0.001600	PASS
CA_41C	16QAM	39948+39750	100RB#0/100RB#0	NV	50	12.16	0.004813	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	-30	10.67	0.004100	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	-20	-13.73	-0.005276	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	-10	-11.45	-0.004399	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	0	2.86	0.001097	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	10	4.50	0.001731	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	20	6.65	0.002556	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	30	-0.81	-0.000313	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	40	8.35	0.003208	PASS
CA_41C	16QAM	40719+40521	100RB#0/100RB#0	NV	50	-6.69	-0.002569	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	-30	2.26	0.000843	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	-20	-8.08	-0.003016	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	-10	-1.46	-0.000544	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	0	7.40	0.002763	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	10	-9.65	-0.003600	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	20	-0.58	-0.000217	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	30	5.33	0.001988	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	40	14.01	0.005227	PASS
CA_41C	16QAM	41490+41292	100RB#0/100RB#0	NV	50	-0.50	-0.000185	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	-30	6.37	0.002541	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	-20	-9.16	-0.003657	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	-10	13.80	0.005507	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	0	10.82	0.004320	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	10	-10.67	-0.004260	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	20	3.31	0.001323	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	30	-10.88	-0.004343	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	40	1.18	0.000472	PASS
CA_41C	64QAM	39750+39948	100RB#0/100RB#0	NV	50	-8.25	-0.003292	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	-30	-1.40	-0.000543	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	-20	6.16	0.002385	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	-10	-1.88	-0.000728	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	0	-4.67	-0.001807	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	10	-1.42	-0.000549	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	20	7.19	0.002782	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	30	8.25	0.003193	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	40	-1.06	-0.000408	PASS
CA_41C	64QAM	40521+40719	100RB#0/100RB#0	NV	50	-5.76	-0.002229	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	-30	13.12	0.004933	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	-20	6.60	0.002480	PASS



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CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	-10	10.69	0.004020	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	0	10.21	0.003837	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	10	2.94	0.001104	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	20	-2.05	-0.000772	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	30	-5.76	-0.002164	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	40	-14.93	-0.005612	PASS
CA_41C	64QAM	41292+41490	100RB#0/100RB#0	NV	50	-0.40	-0.000150	PASS
CA_41C	64QAM	39948+39750	100RB#0/100RB#0	NV	-30	2.24	0.000889	PASS
CA_41C	64QAM	39948+39750	100RB#0/100RB#0	NV	-20	0.85	0.000337	PASS
CA_41C	64QAM	39948+39750	100RB#0/100RB#0	NV	-10	-6.77	-0.002680	PASS
CA_41C	64QAM	39948+39750	100RB#0/100RB#0	NV	0	-4.12	-0.001633	PASS
CA_41C	64QAM	39948+39750	100RB#0/100RB#0	NV	10	5.92	0.002342	PASS
CA_41C	64QAM	39948+39750	100RB#0/100RB#0	NV	20	13.40	0.005307	PASS
CA_41C	64QAM	39948+39750	100RB#0/100RB#0	NV	30	6.92	0.002738	PASS
CA_41C	64QAM	39948+39750	100RB#0/100RB#0	NV	40	0.62	0.000245	PASS
CA_41C	64QAM	39948+39750	100RB#0/100RB#0	NV	50	10.66	0.004222	PASS
CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	-30	4.70	0.001806	PASS
CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	-20	11.17	0.004291	PASS
CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	-10	-13.28	-0.005101	PASS
CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	0	-2.13	-0.000819	PASS
CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	10	-1.16	-0.000447	PASS
CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	20	-0.88	-0.000338	PASS
CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	30	0.49	0.000188	PASS
CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	40	4.02	0.001544	PASS
CA_41C	64QAM	40719+40521	100RB#0/100RB#0	NV	50	13.38	0.005139	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	-30	-11.22	-0.004185	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	-20	-10.12	-0.003776	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	-10	1.45	0.000540	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	0	-3.92	-0.001463	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	10	1.00	0.000372	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	20	3.91	0.001458	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	30	9.28	0.003463	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	40	8.58	0.003201	PASS
CA_41C	64QAM	41490+41292	100RB#0/100RB#0	NV	50	-9.72	-0.003626	PASS



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