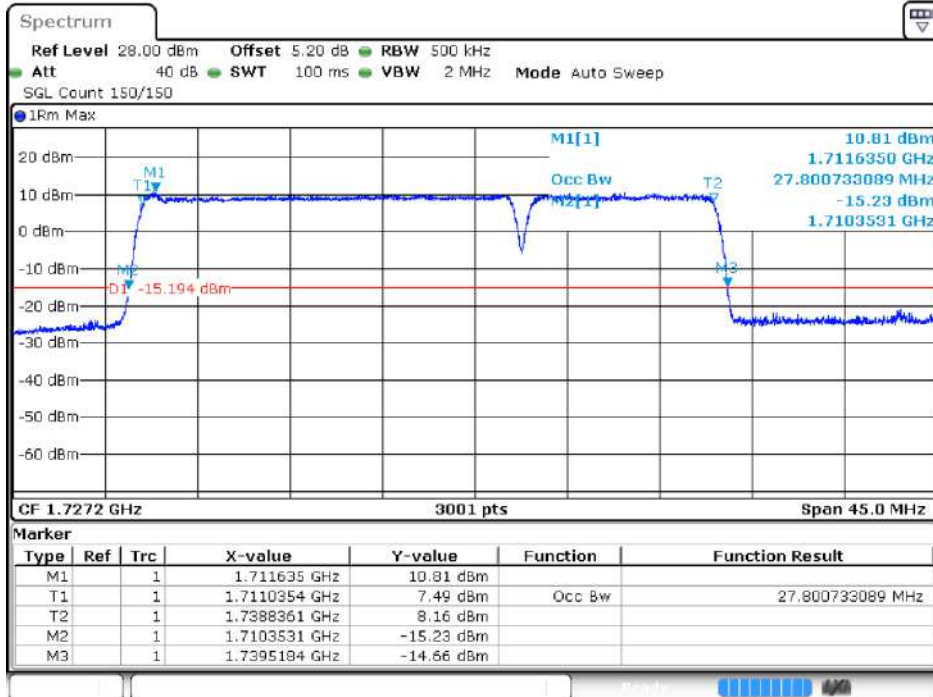
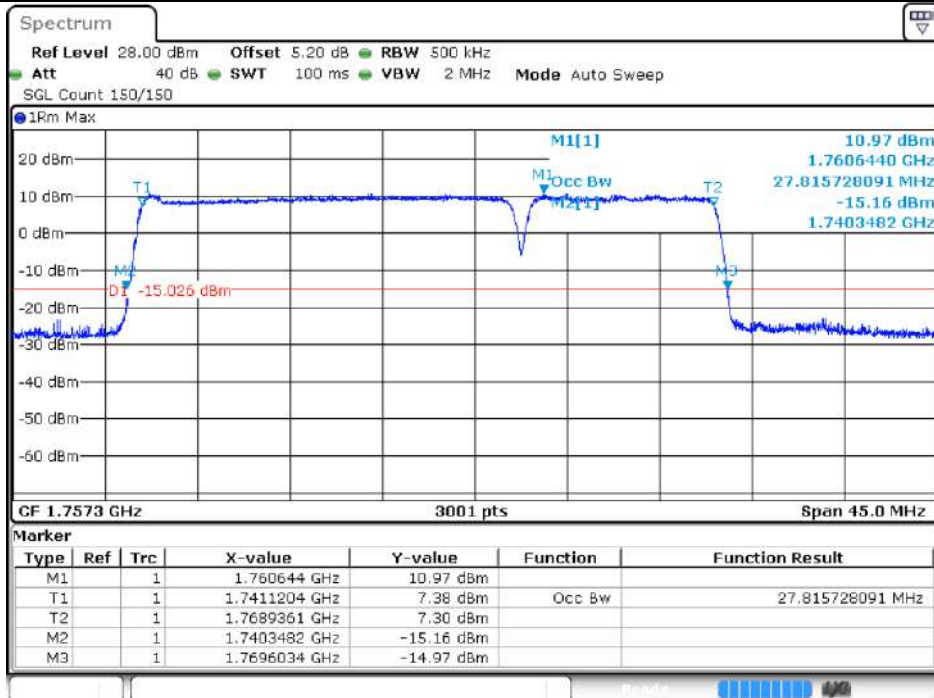


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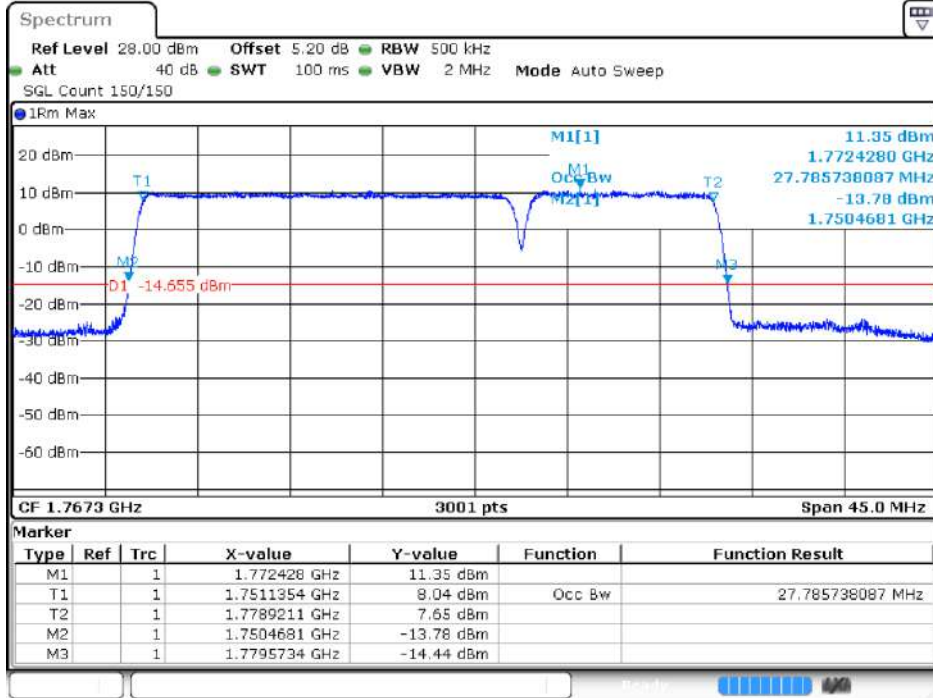
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Date: 16.AUG.2020 20:54:44

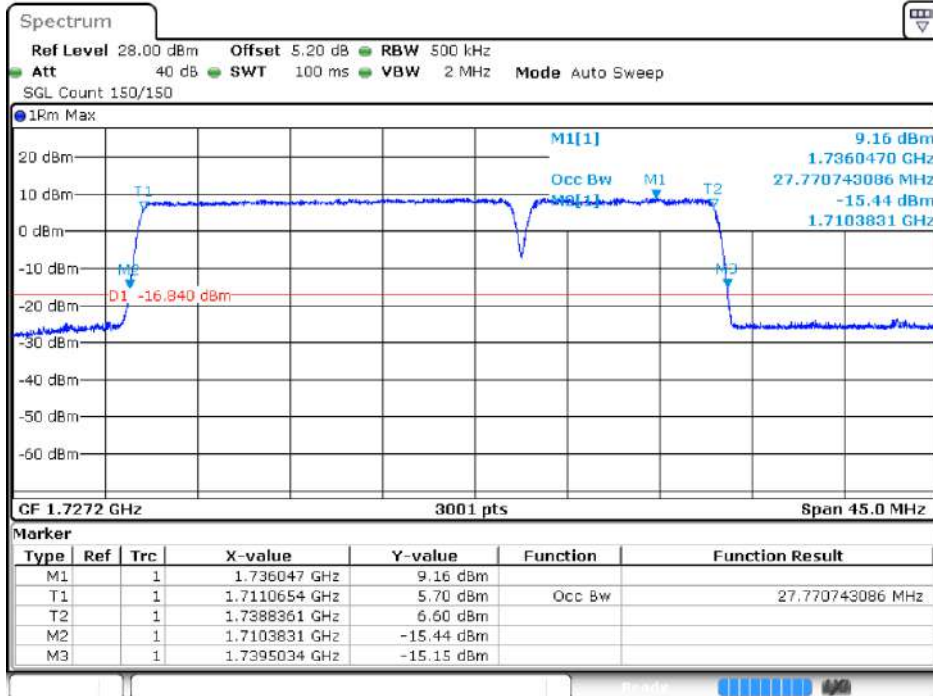


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Date: 16.AUG.2020 20:55:55

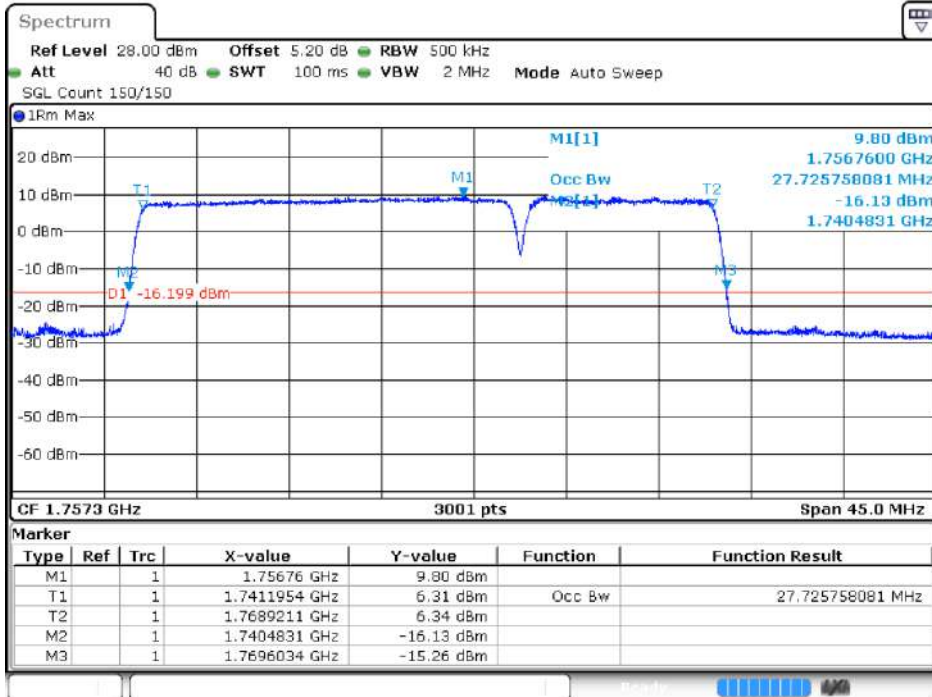
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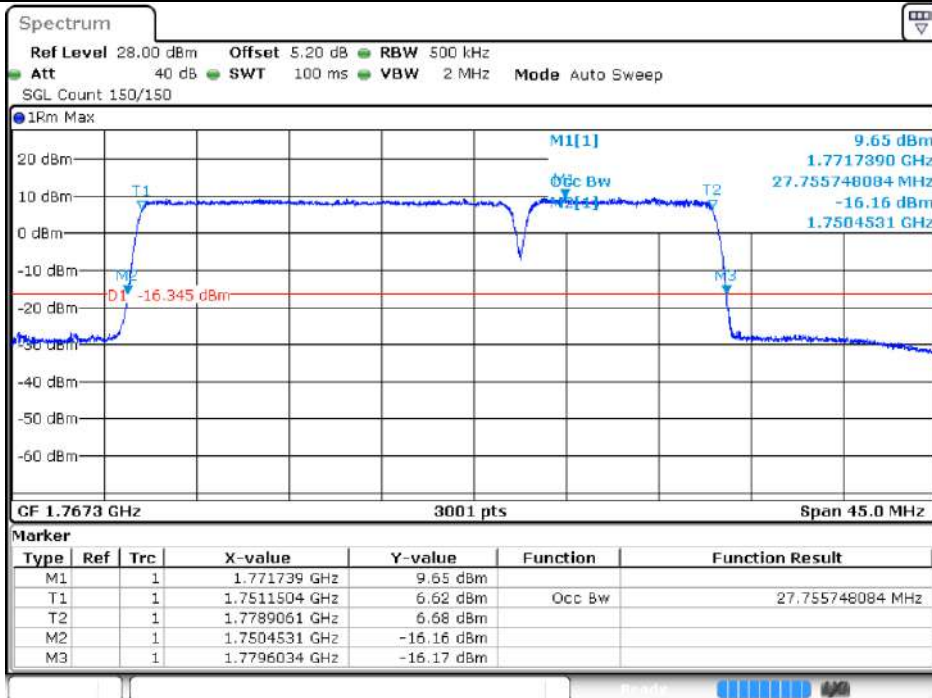


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Date: 16.AUG.2020 20:55:06

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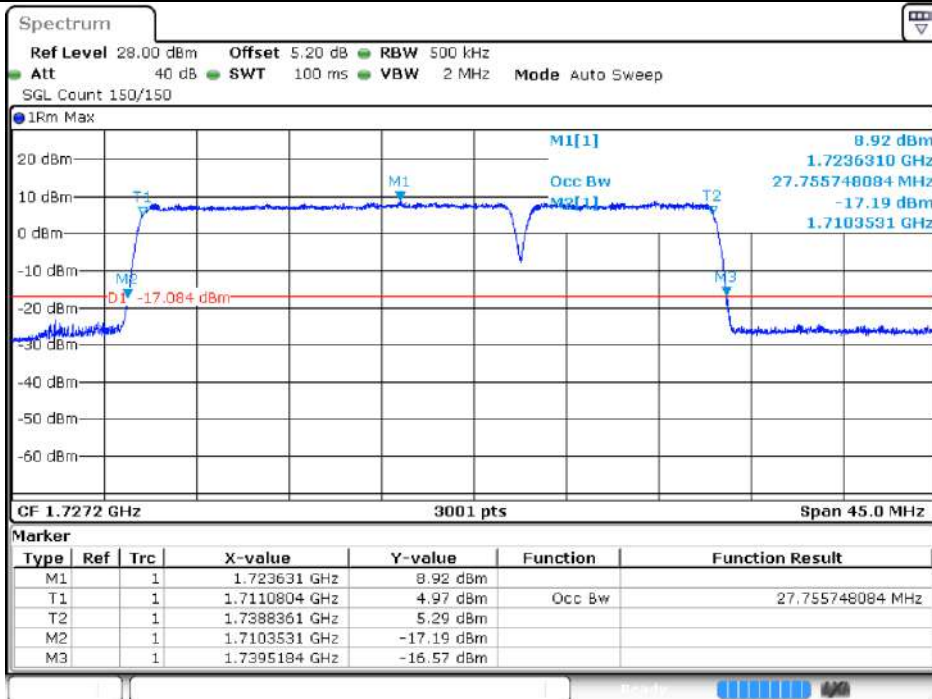


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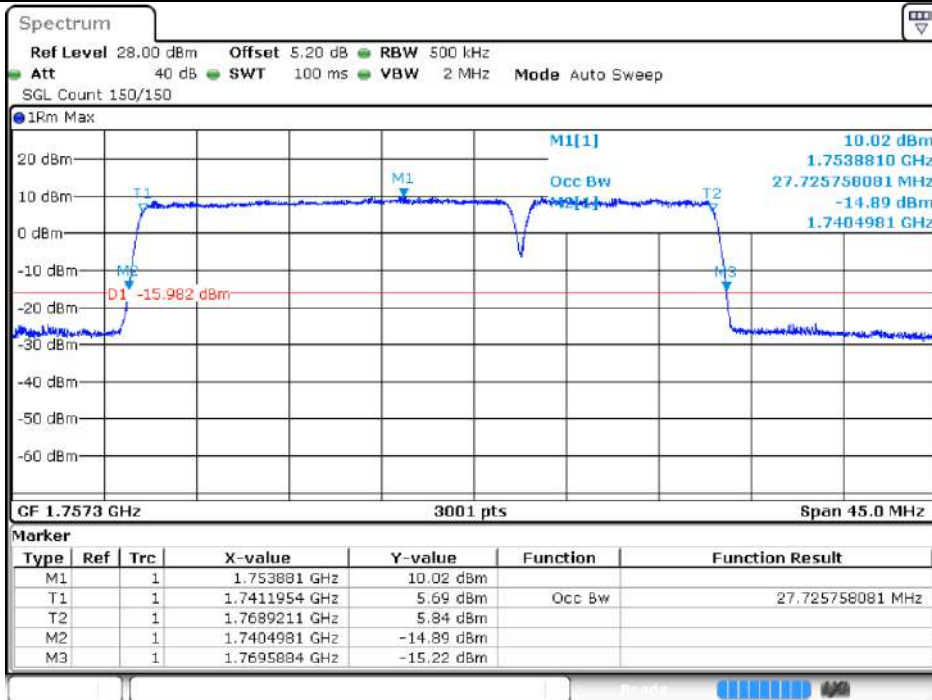


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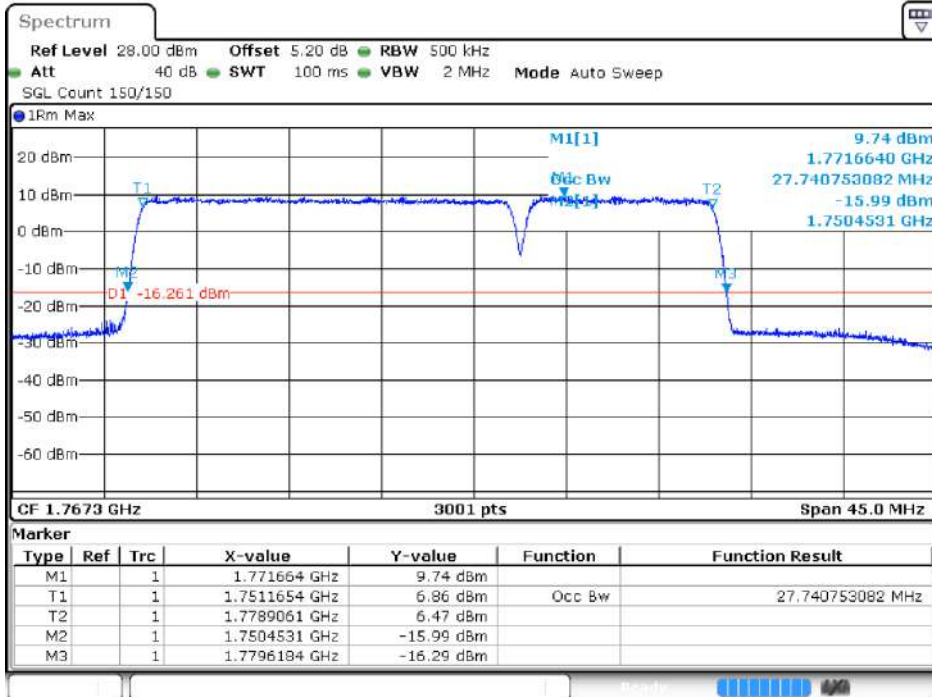
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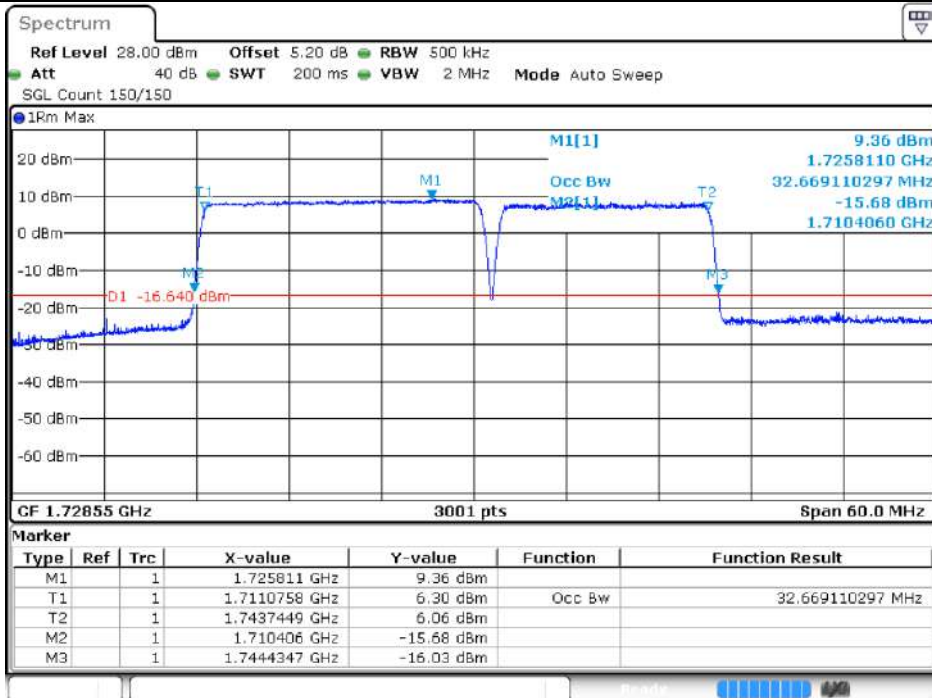


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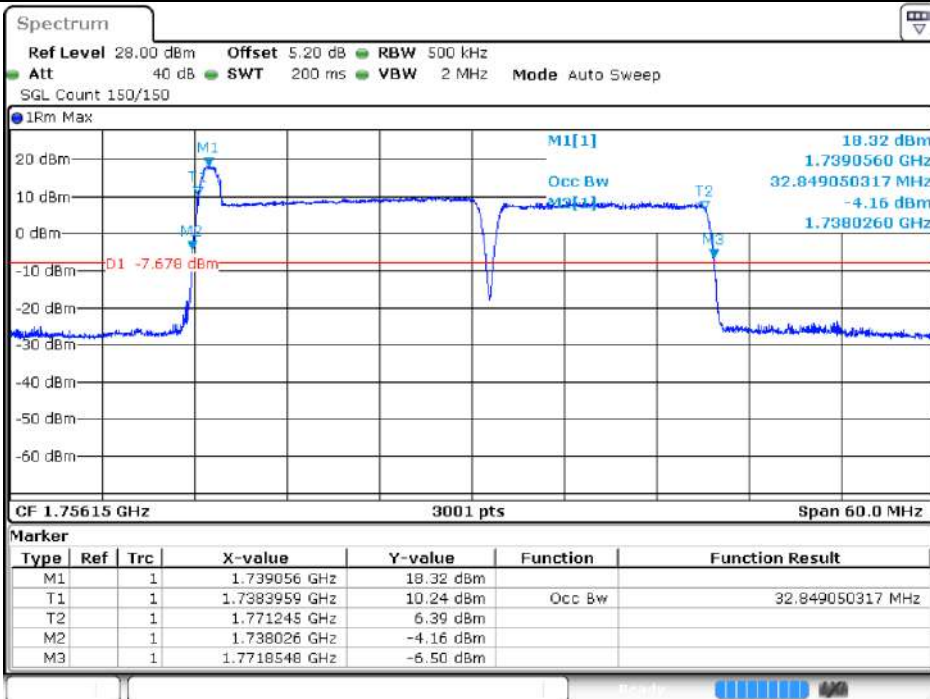
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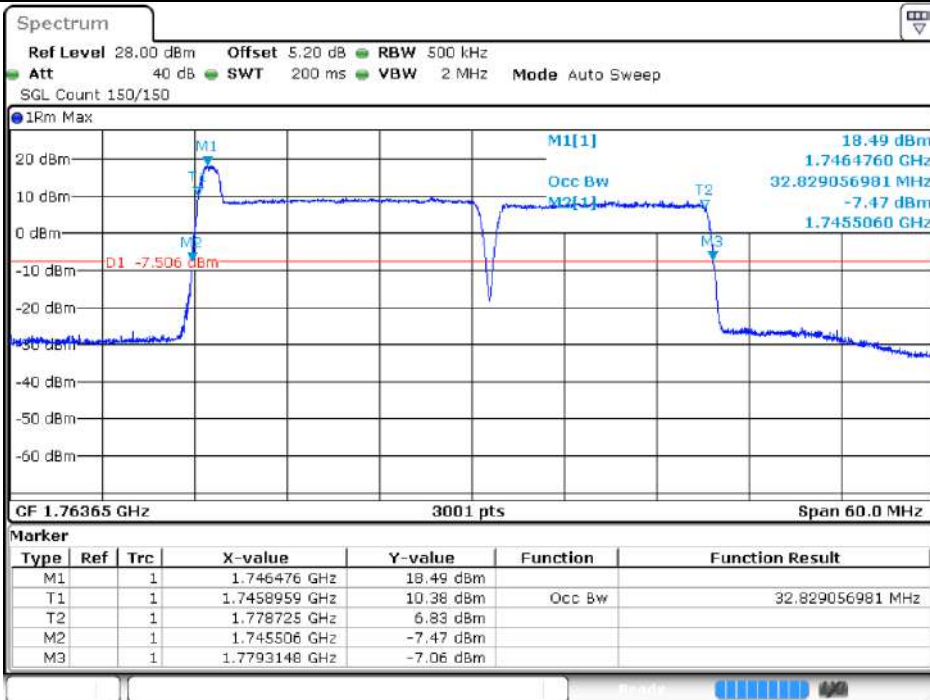


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Date: 16.AUG.2020 19:49:28

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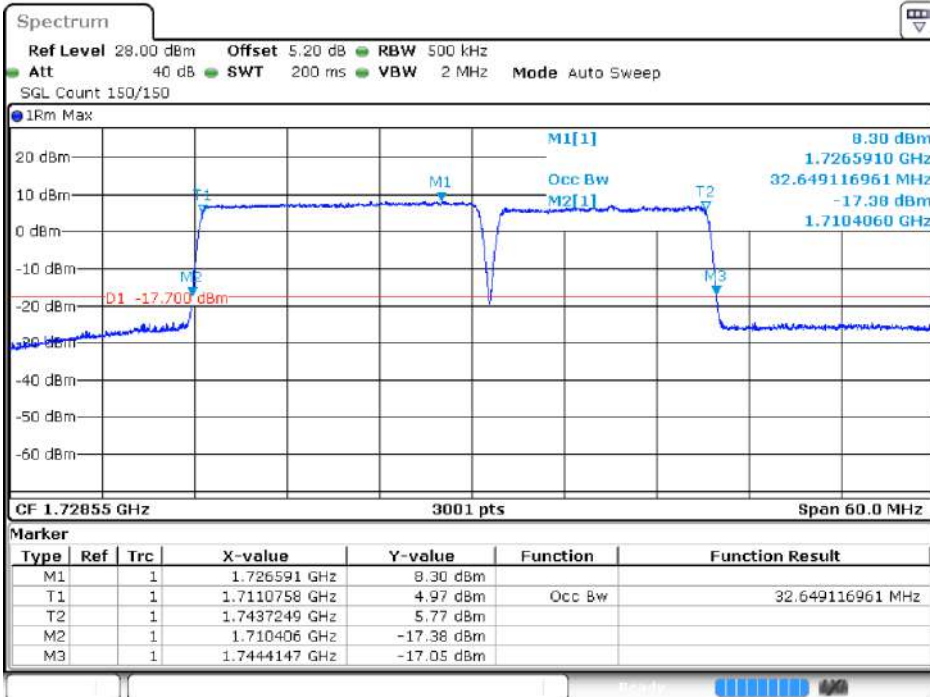


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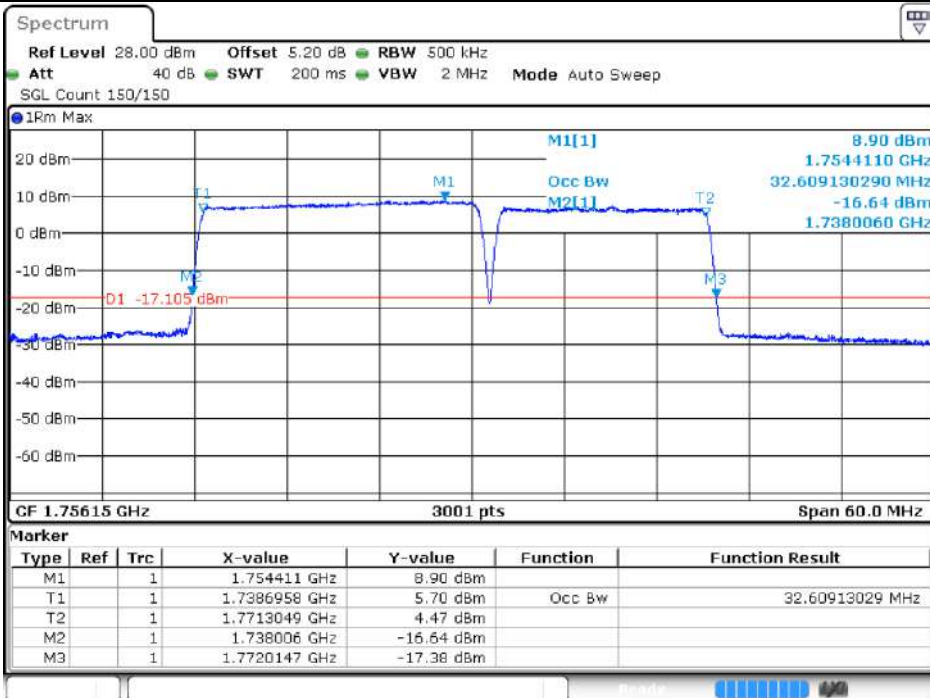


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Date: 16.AUG.2020 19:48:07

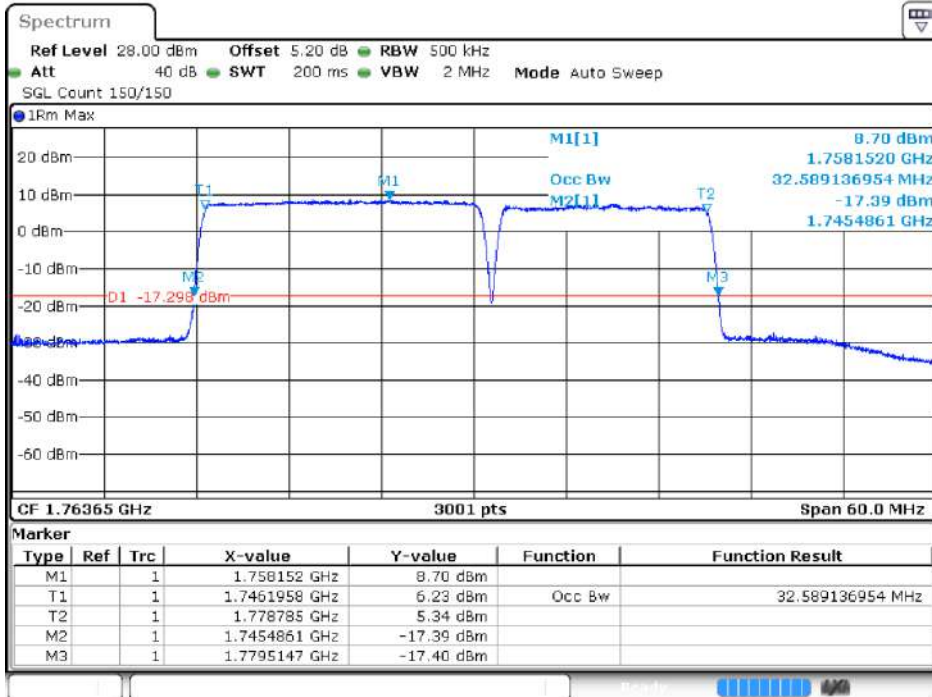
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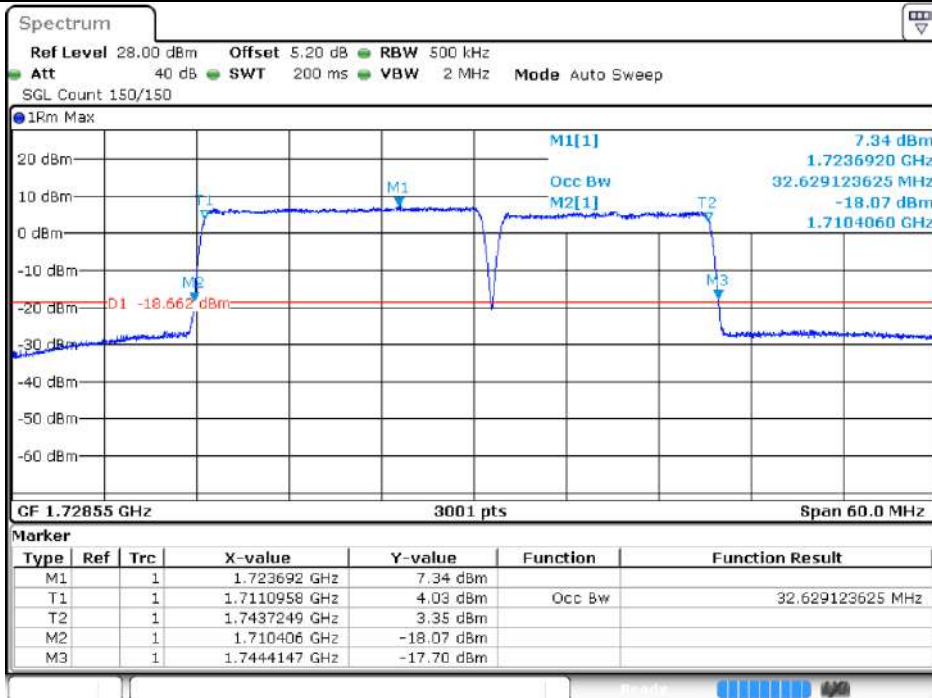


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Date: 16.AUG.2020 19:52:07

## CA\_66C\_100RB+75RB\_64QAM\_132072+132243\_100RB#0+75RB#0



Date: 16.AUG.2020 19:48:46



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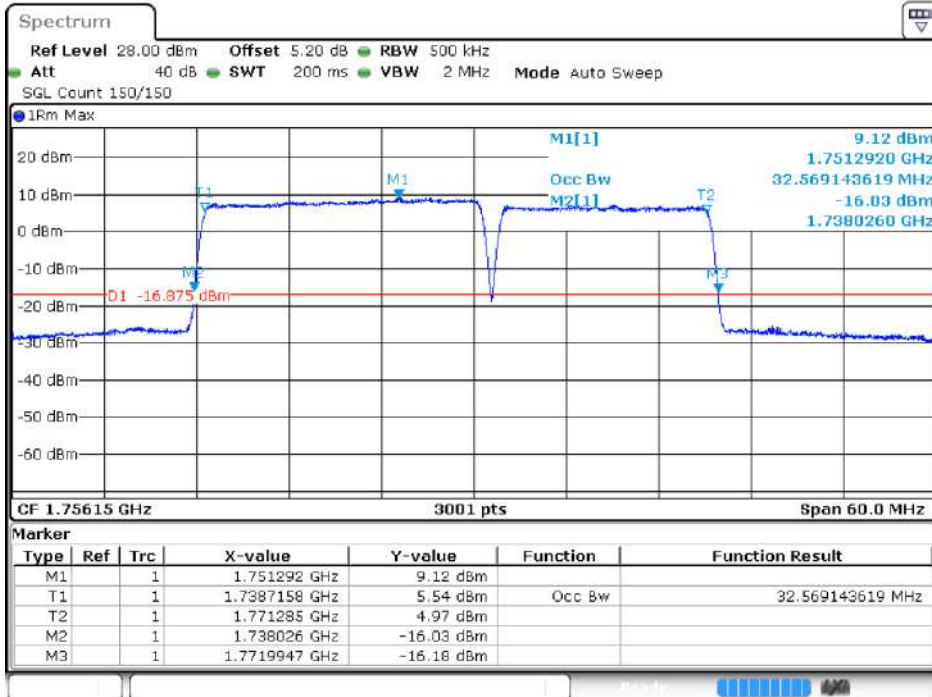
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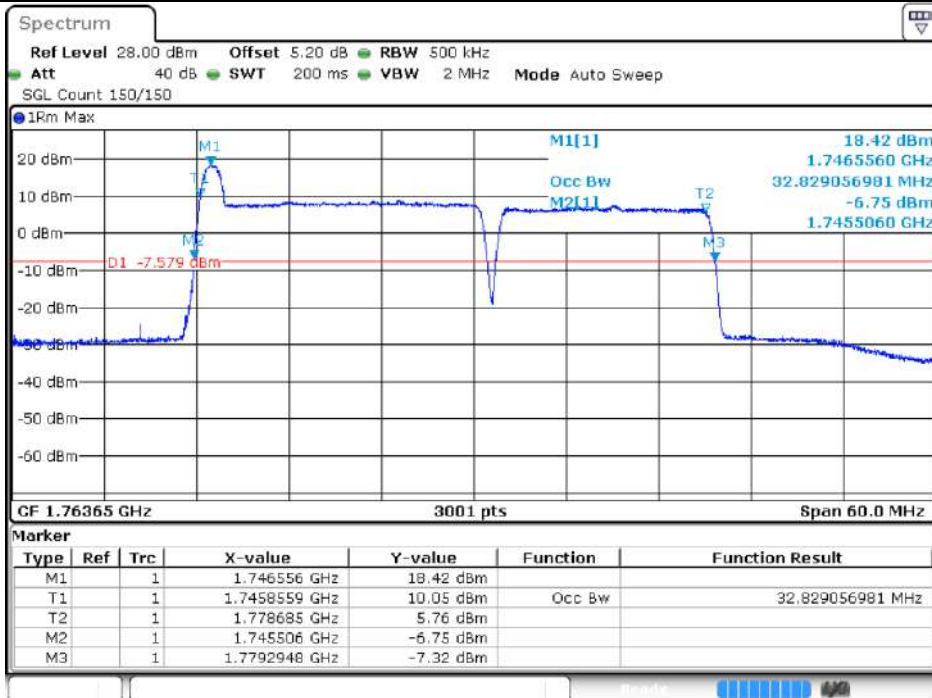


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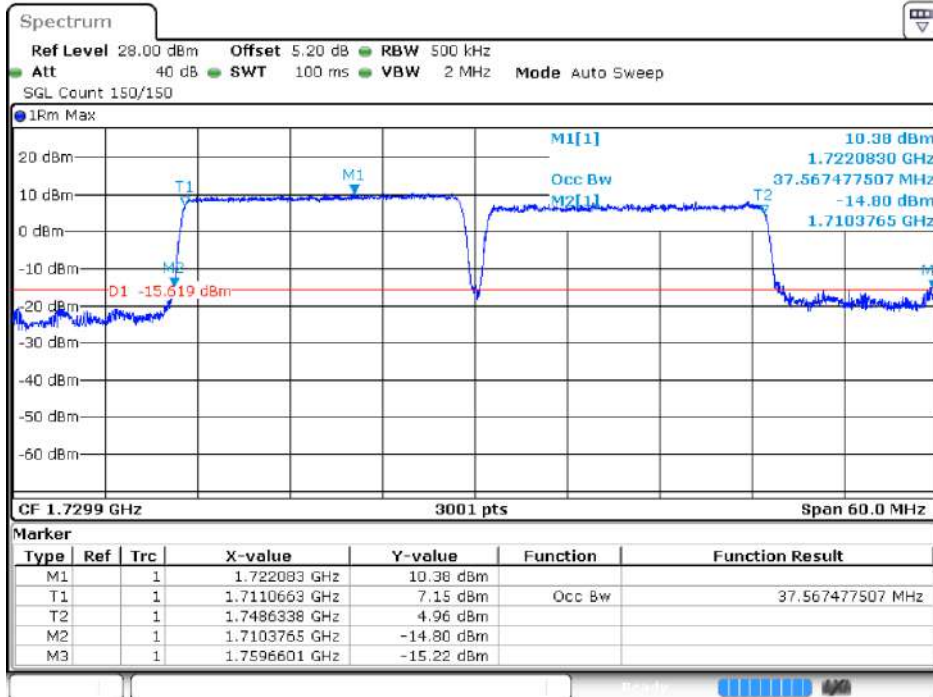
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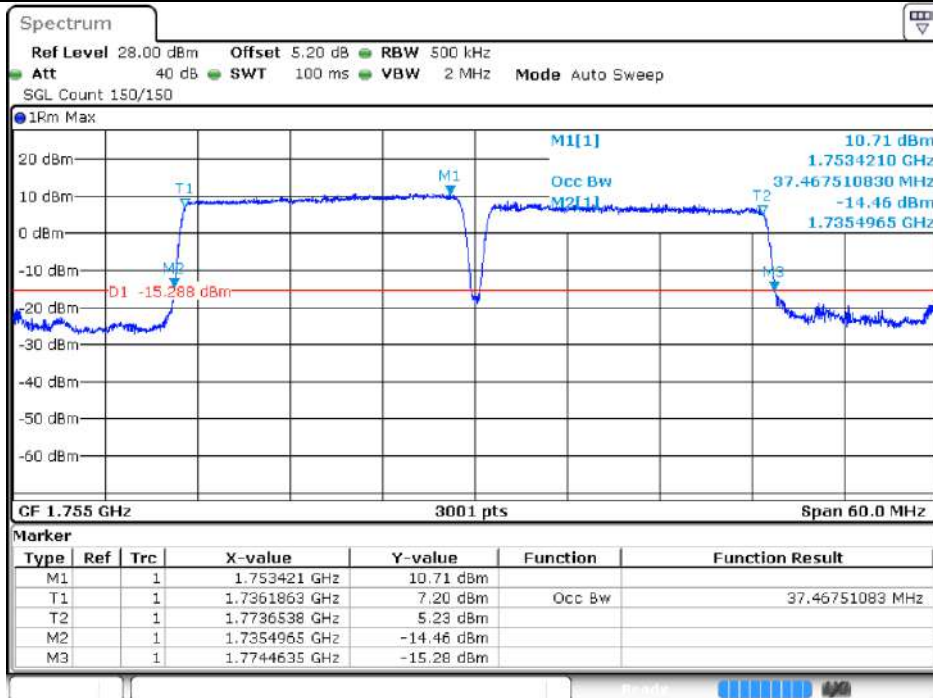


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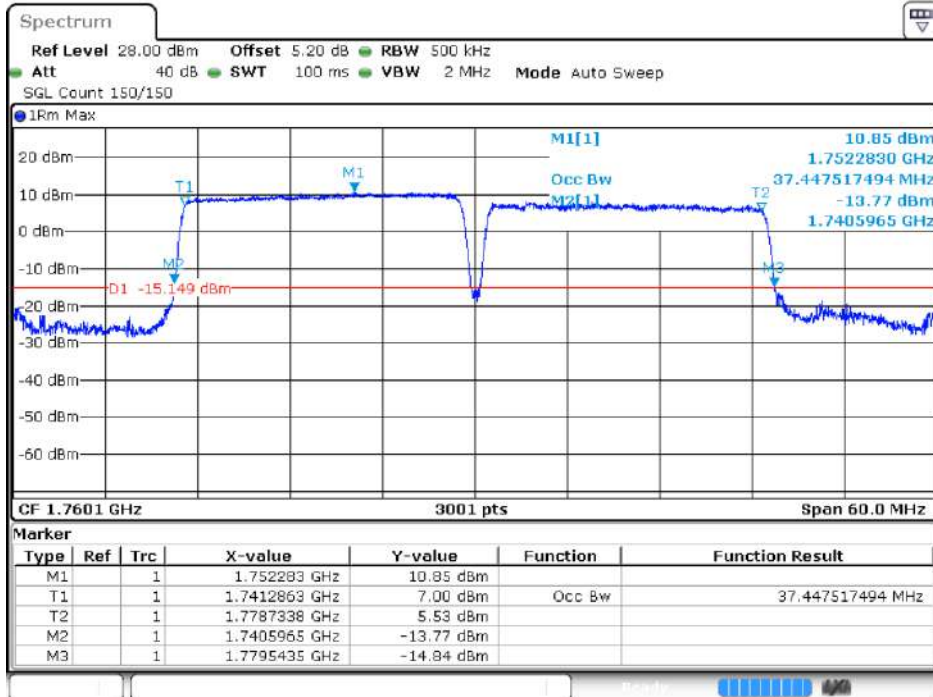
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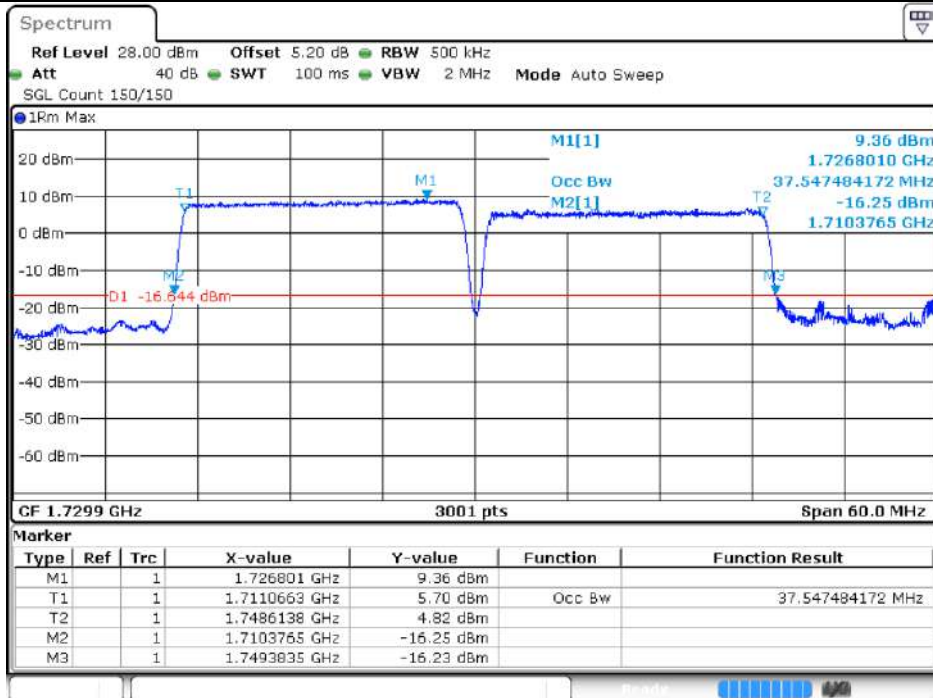


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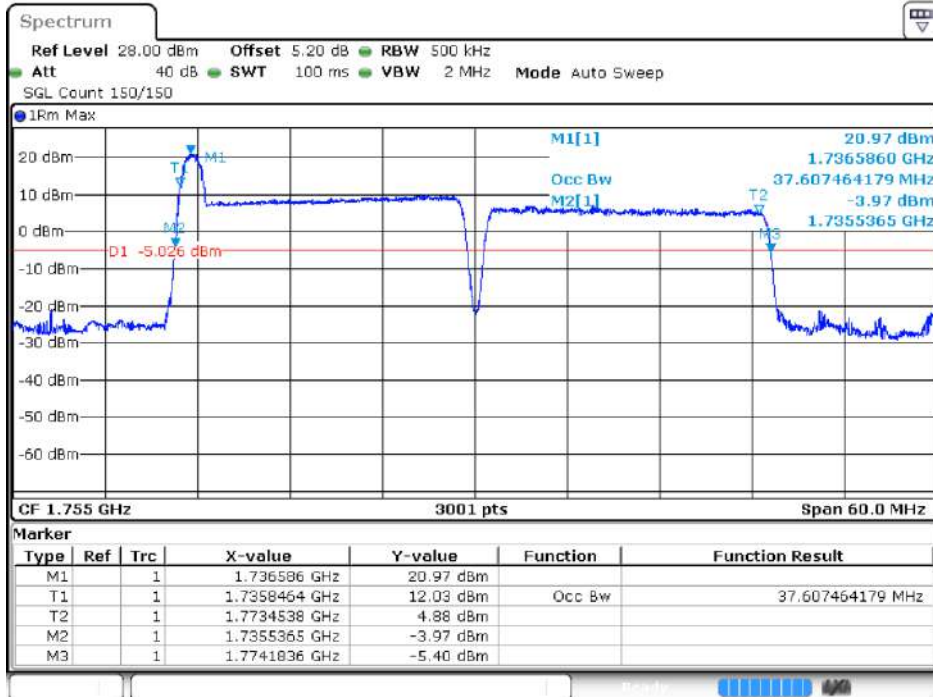


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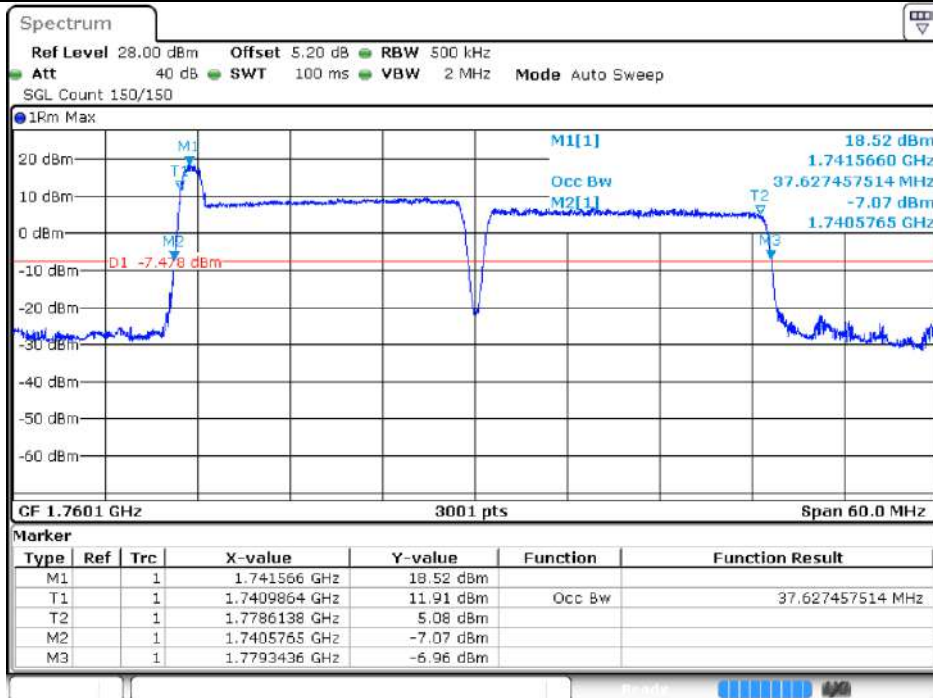


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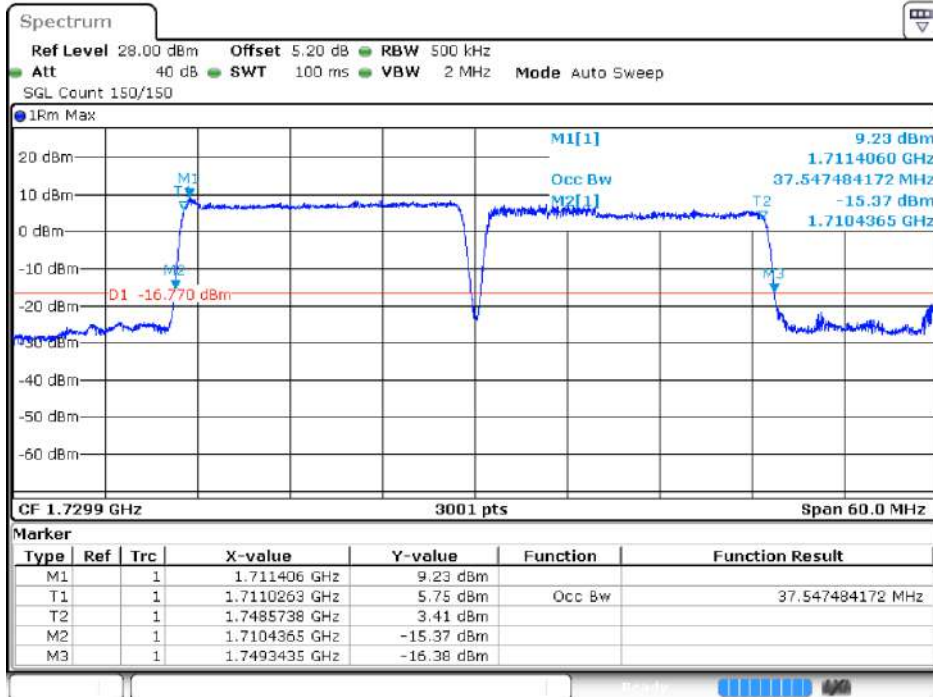
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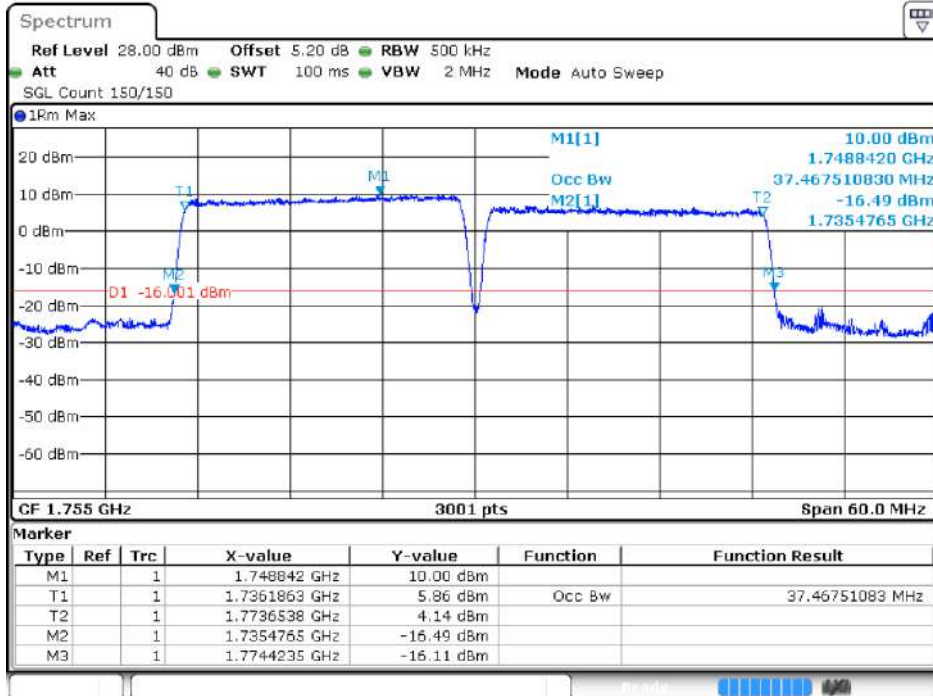


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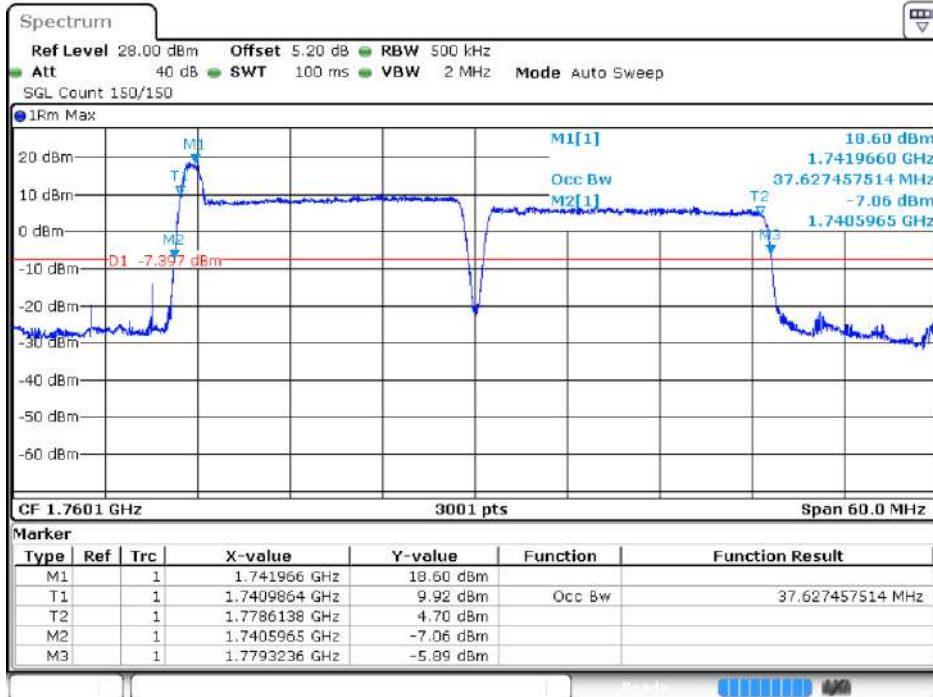
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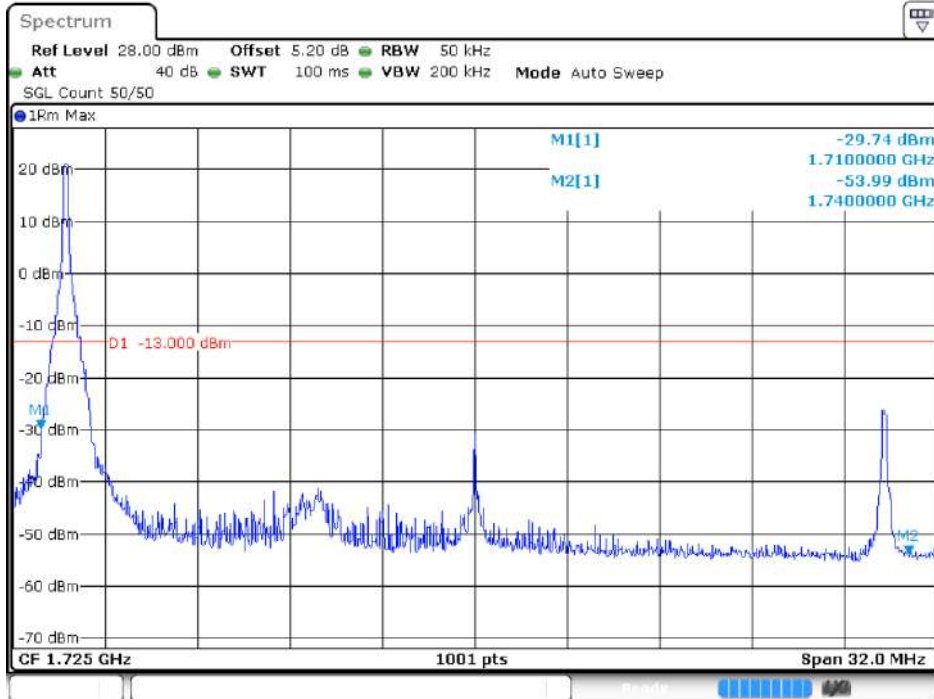


## 5. Band Edges Compliance

### 5.1. For LTE

#### 1.1.4 Test Band = LTE Band CA\_66C

CA\_66C\_75RB+75RB\_QPSK\_132047+132197\_1RB#0+0RB#0



Date: 16.AUG.2020 20:08:17



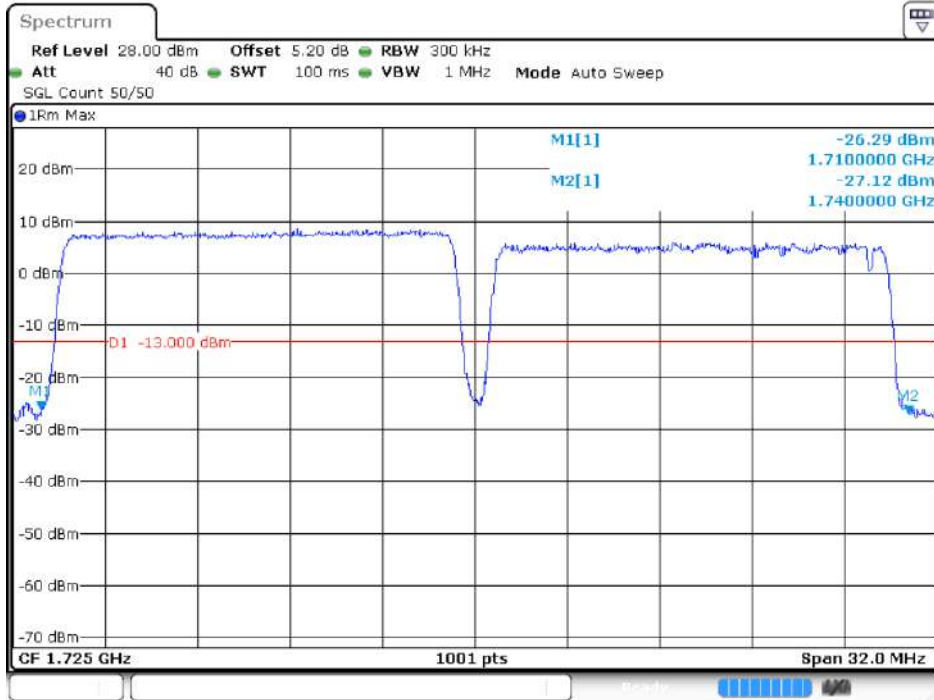
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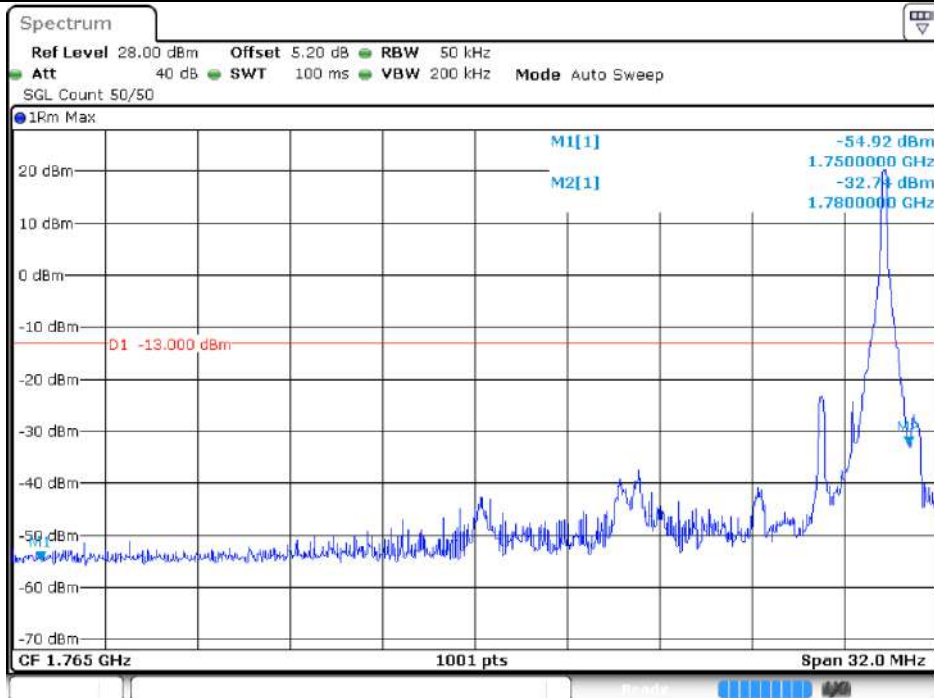
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Date: 16.AUG.2020 20:08:43

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Date: 16.AUG.2020 20:10:22



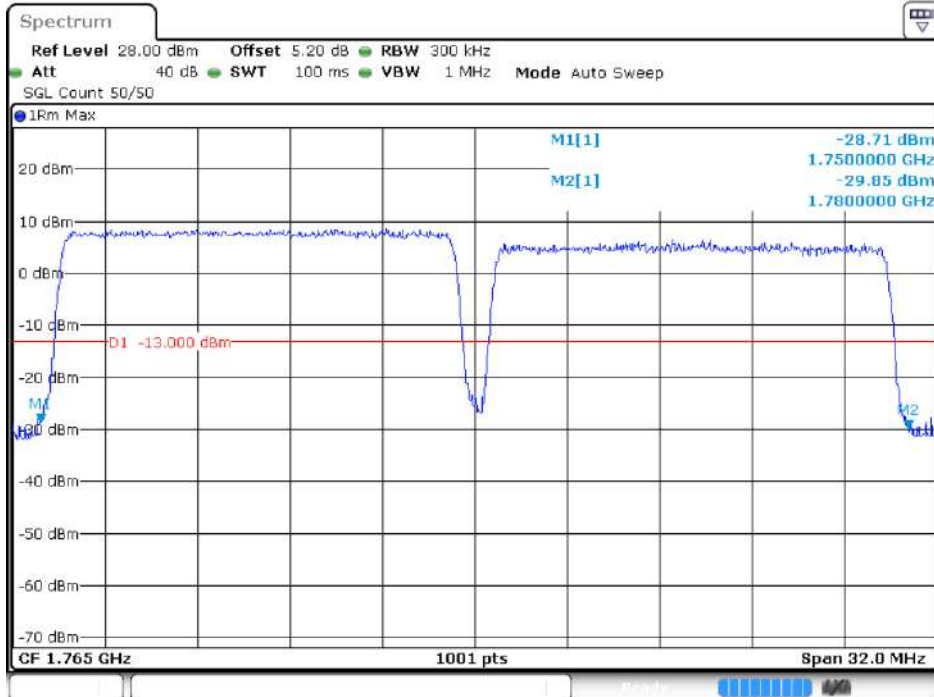
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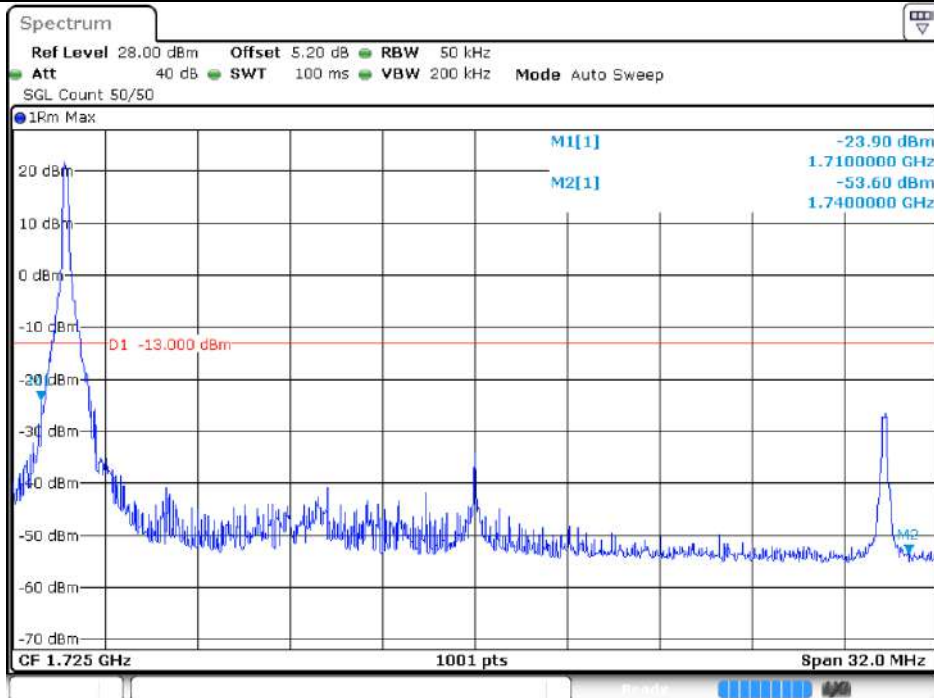
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**CA\_66C\_75RB+75RB\_QPSK\_132447+132597\_75RB#0+75RB#0**



Date: 16.AUG.2020 20:20:07

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Date: 16.AUG.2020 20:08:23



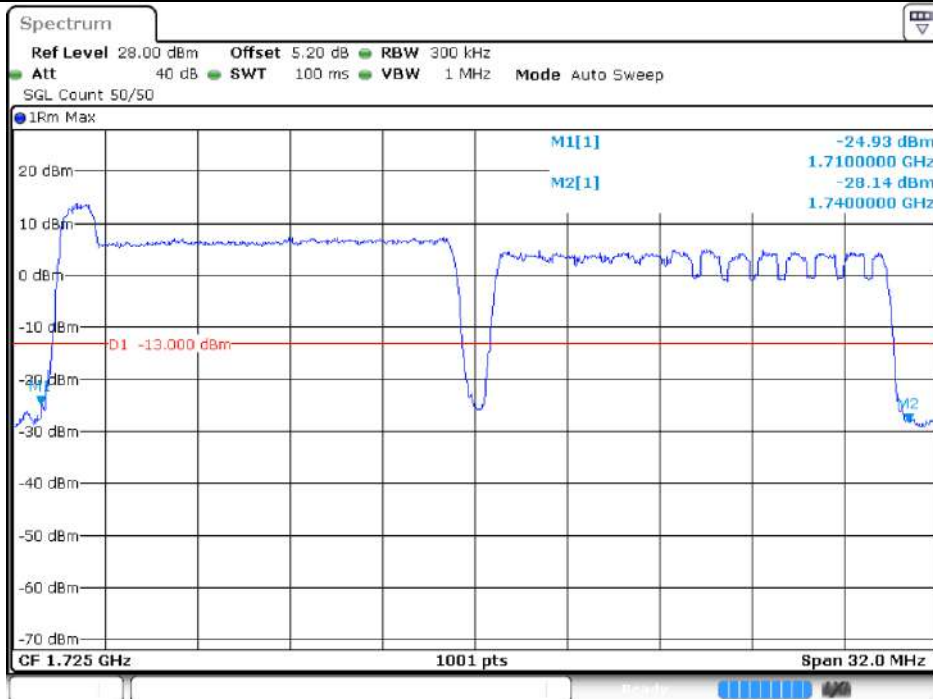
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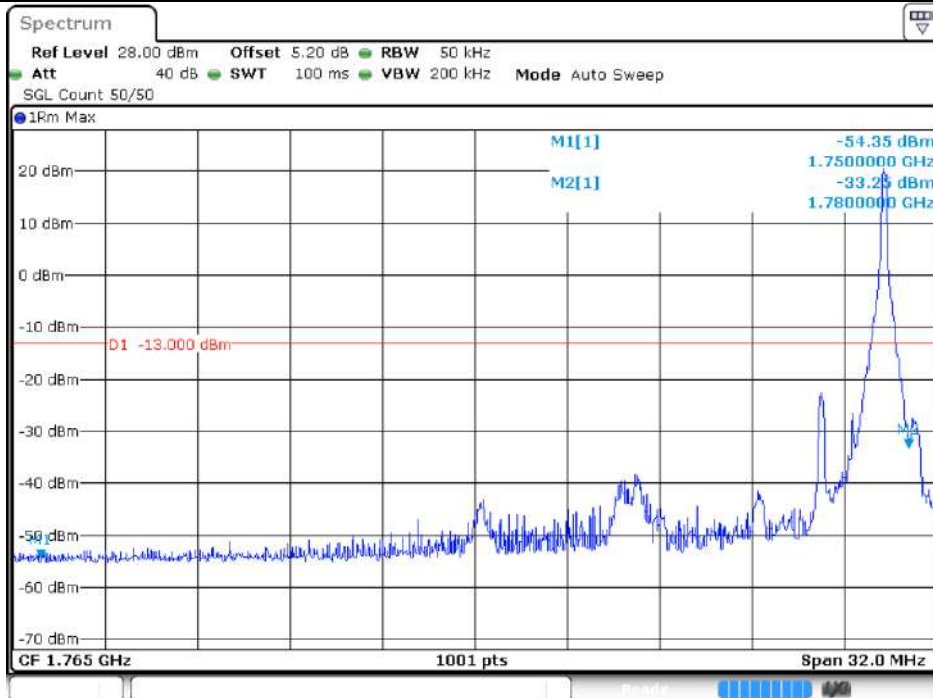


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Date: 16.AUG.2020 20:08:50

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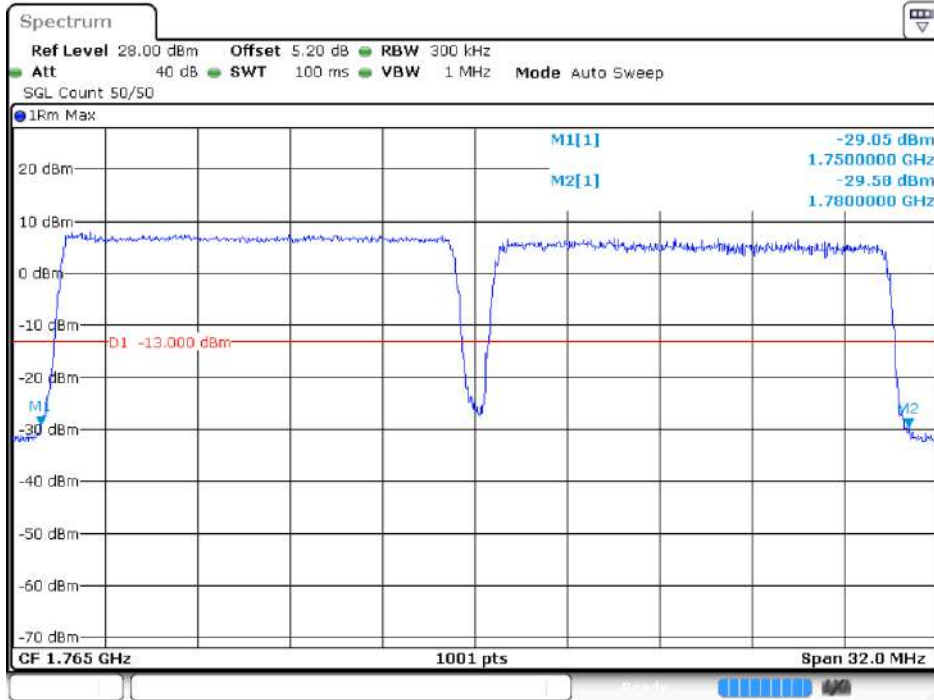
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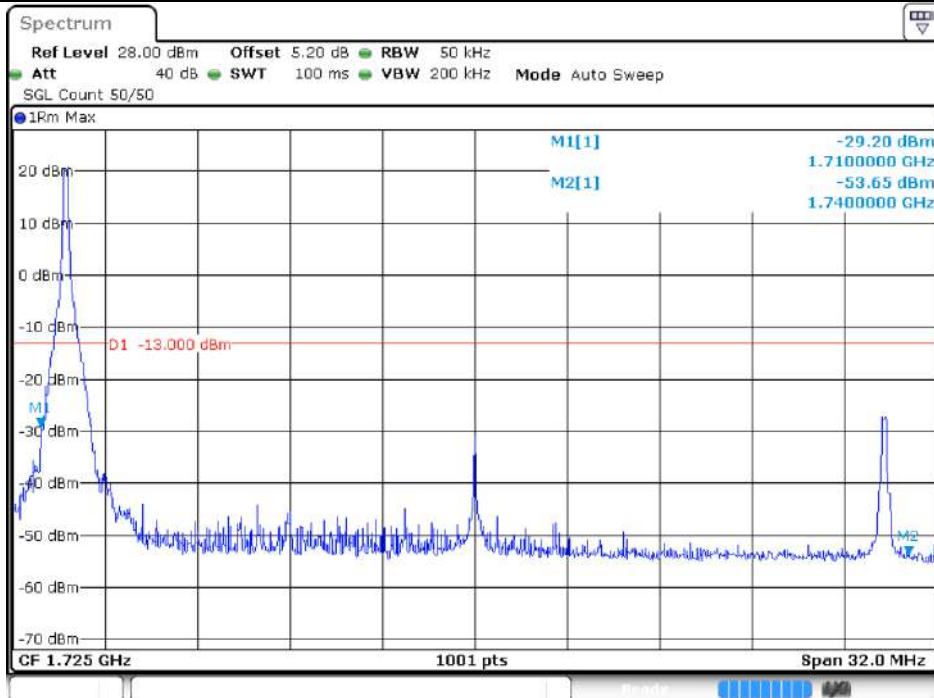
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Date: 16.AUG.2020 20:20:13

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Date: 16.AUG.2020 20:08:30



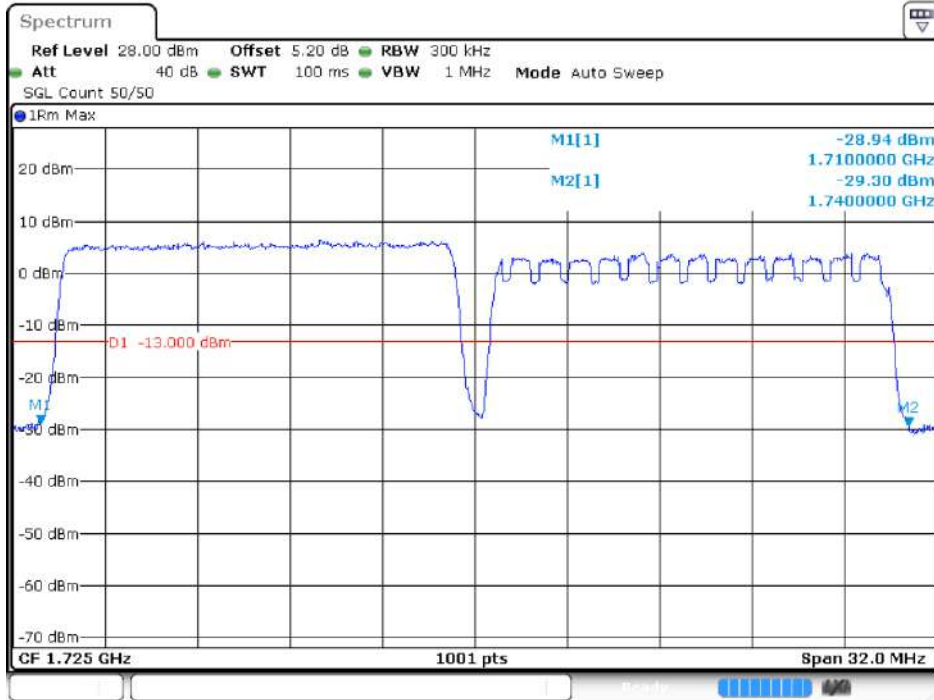
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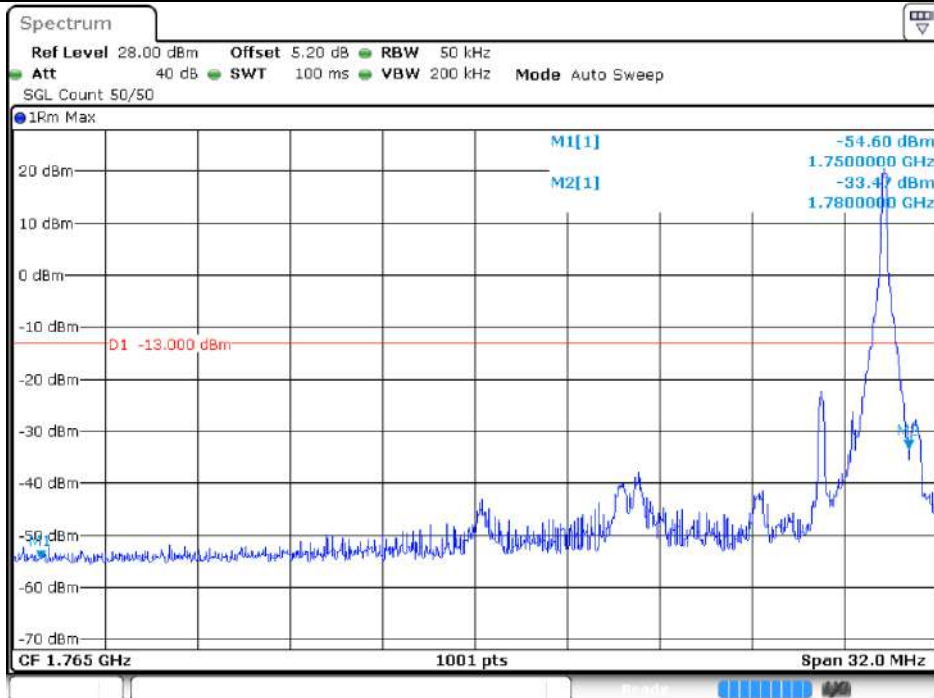
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Date: 16.AUG.2020 20:08:56

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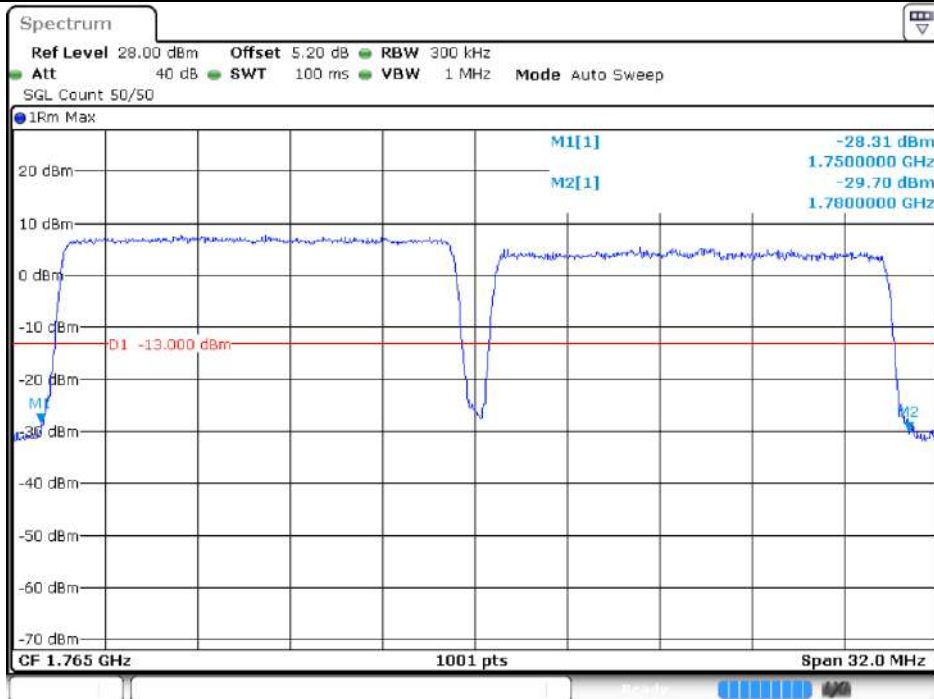


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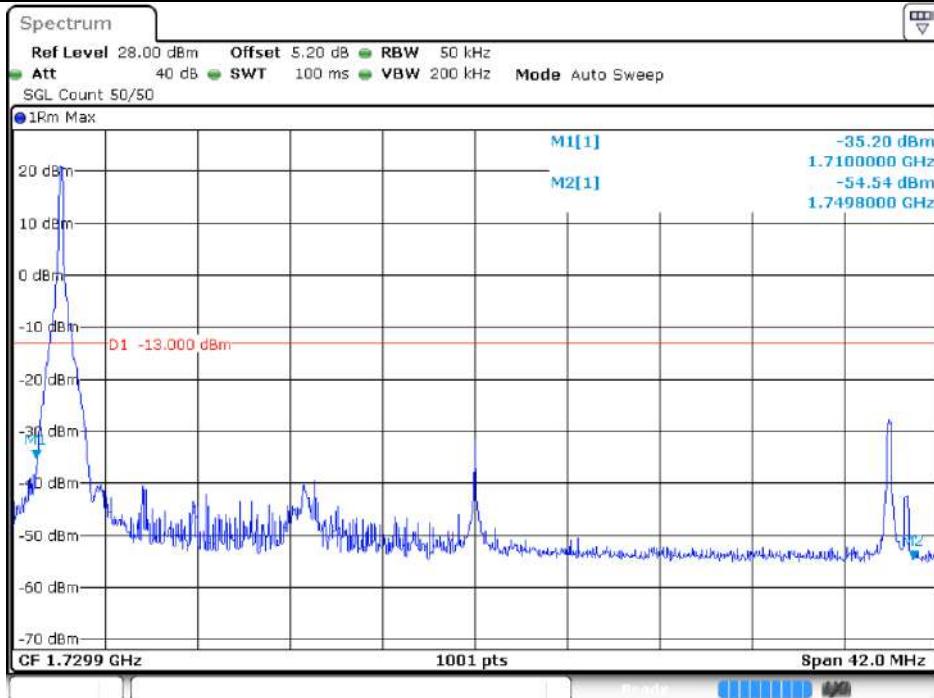


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Date: 16.AUG.2020 20:20:21

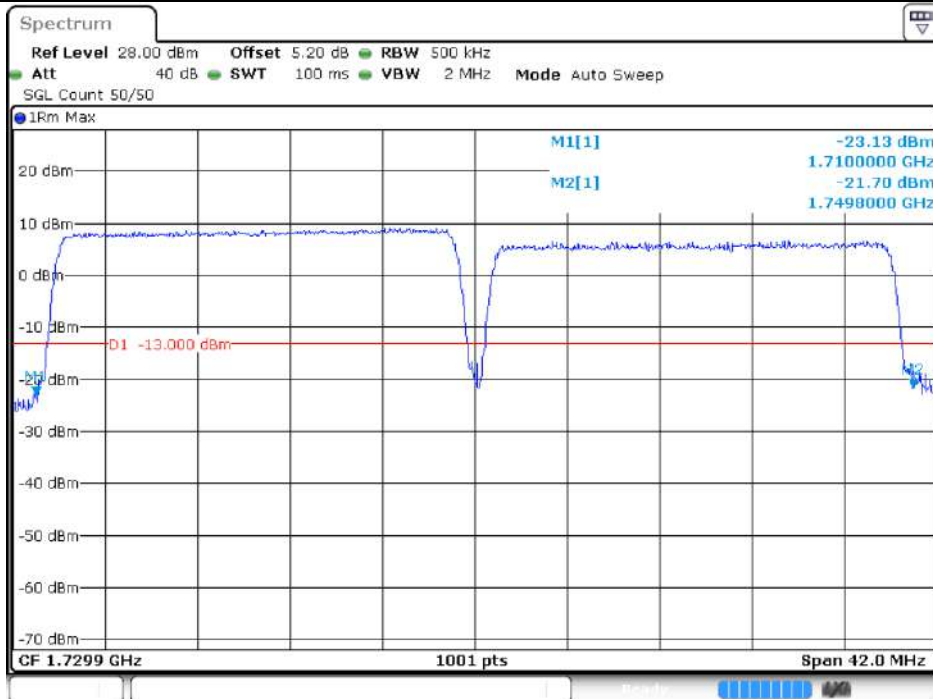
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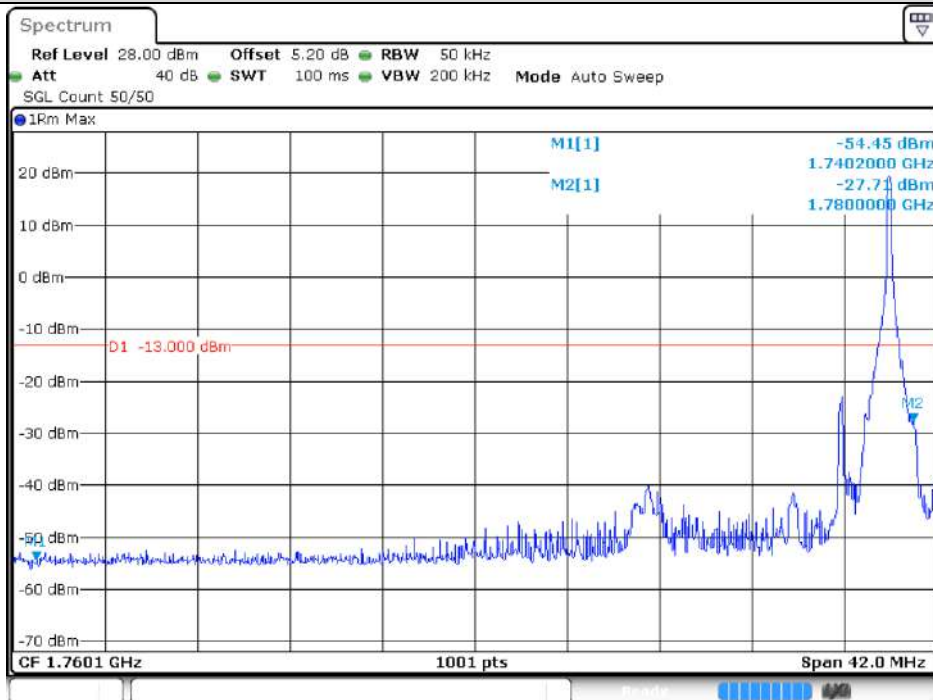


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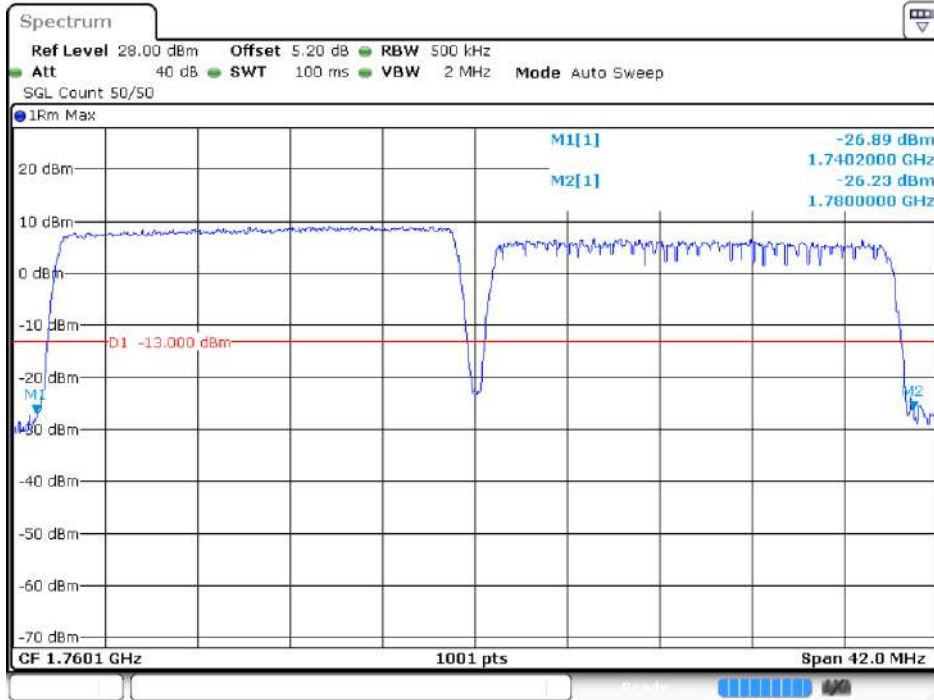
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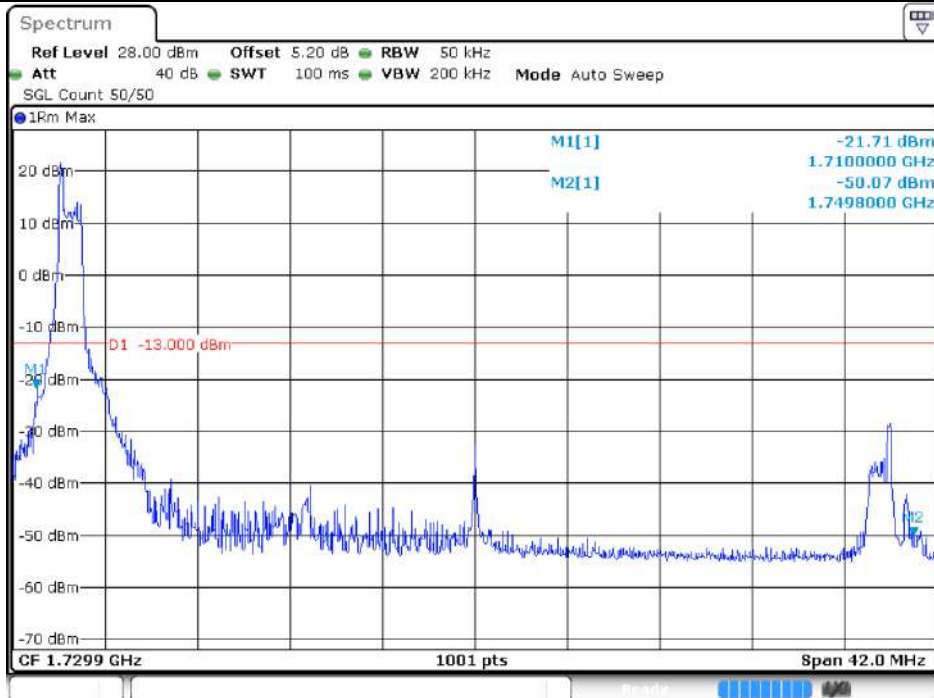
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Date: 16.AUG.2020 20:31:50

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Date: 16.AUG.2020 20:26:04



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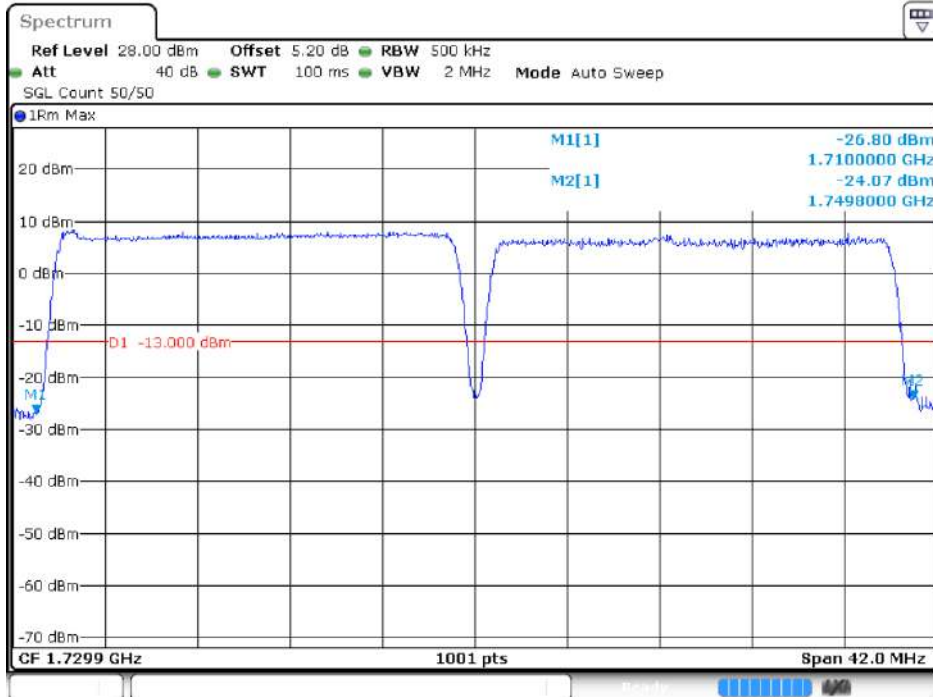
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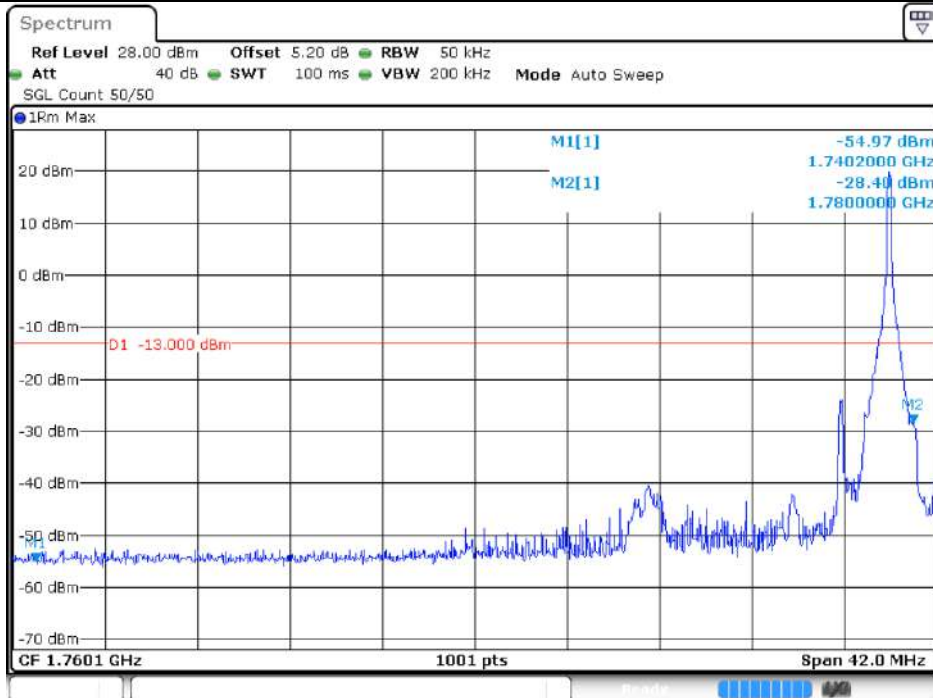


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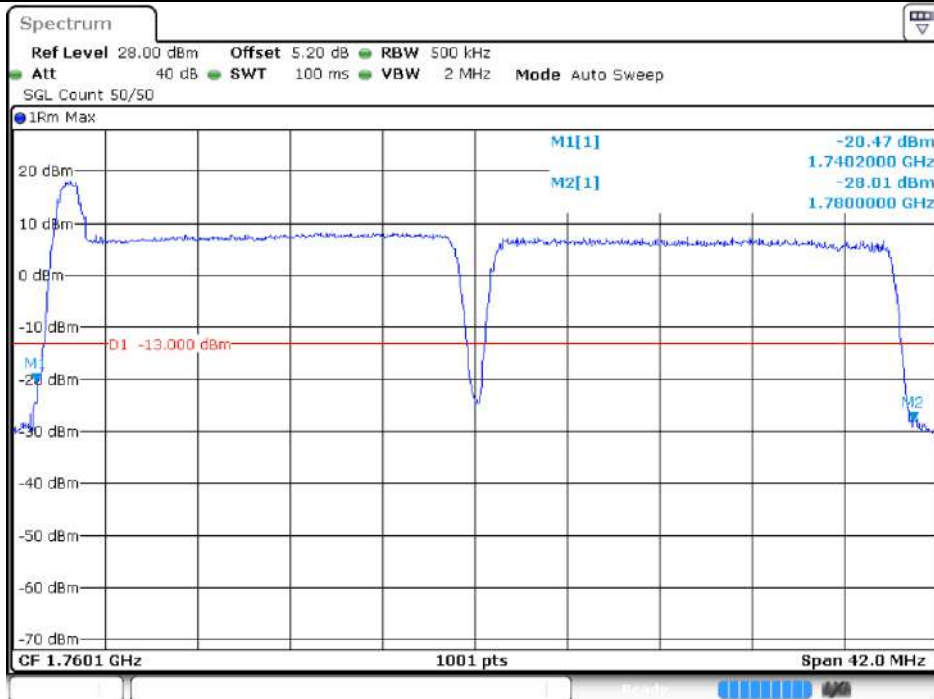
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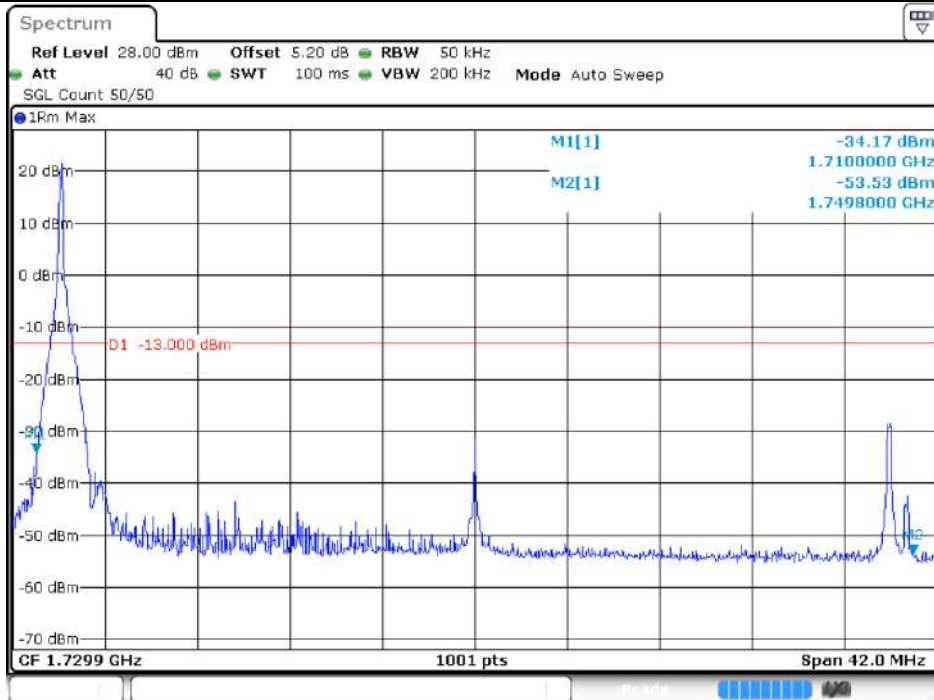


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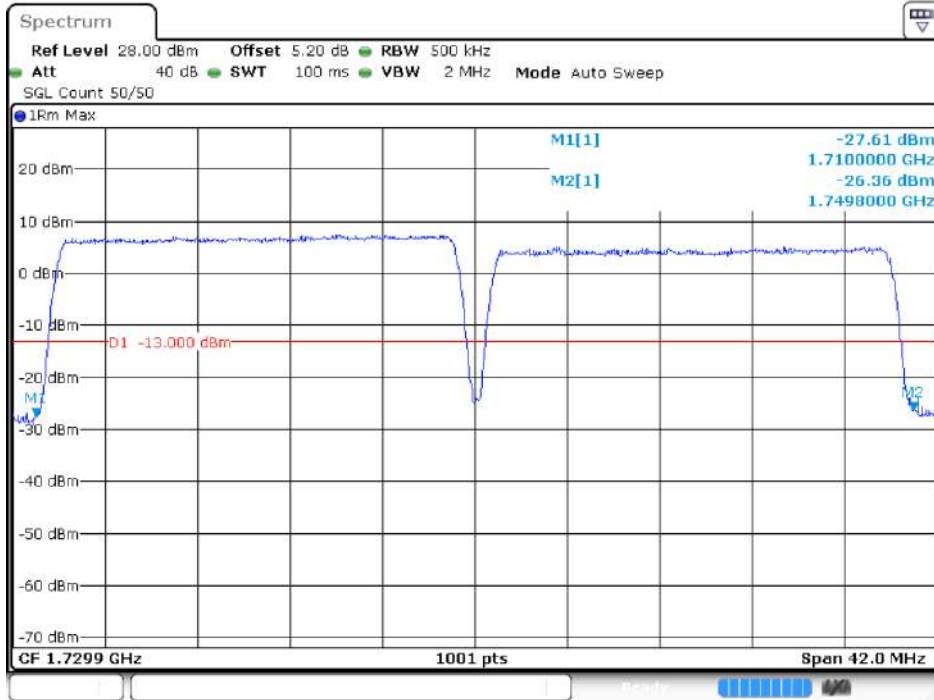
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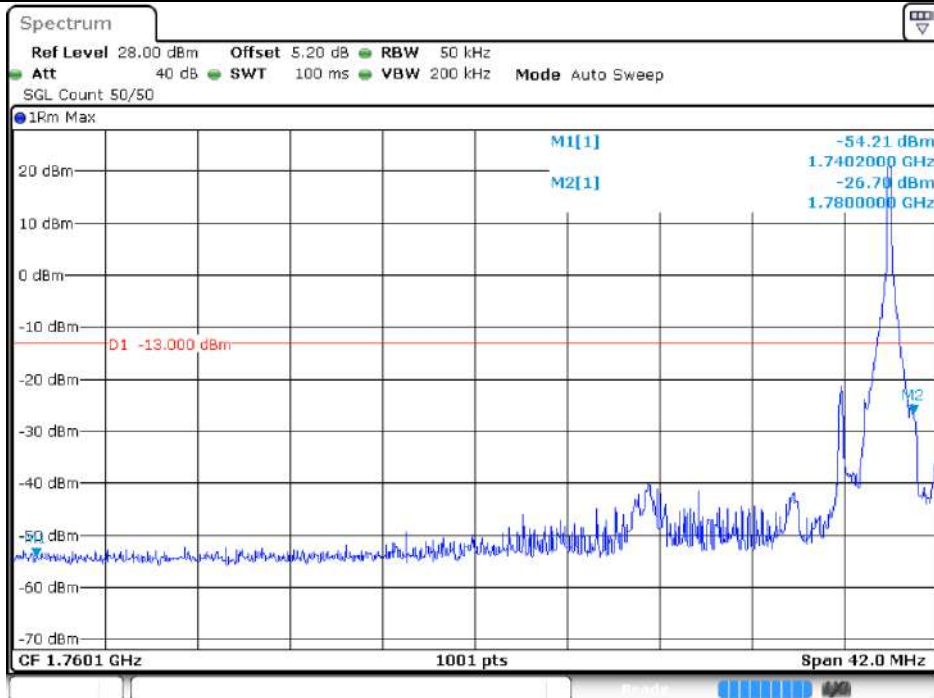
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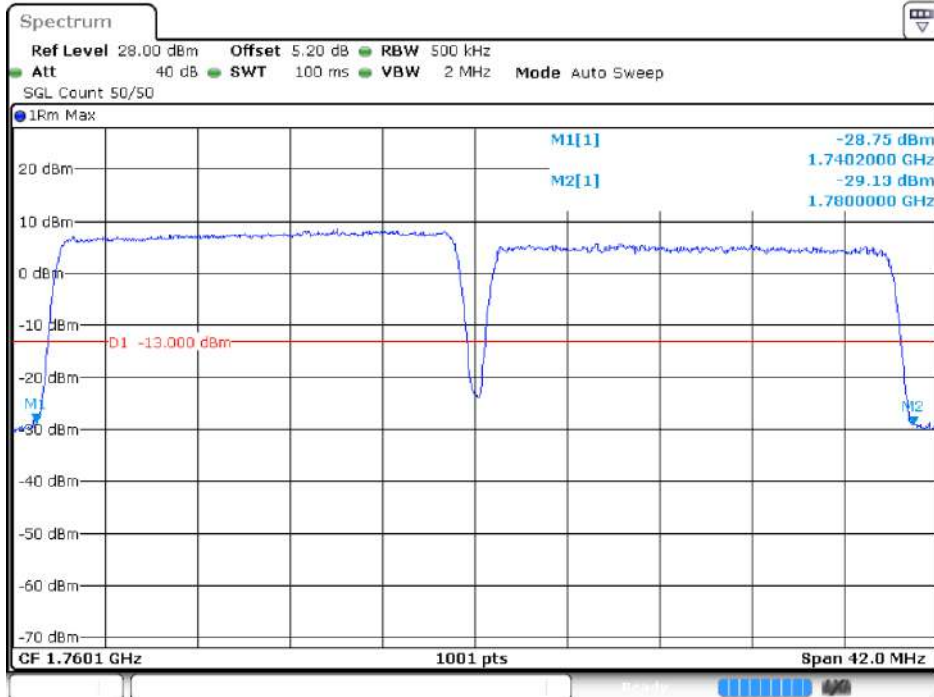
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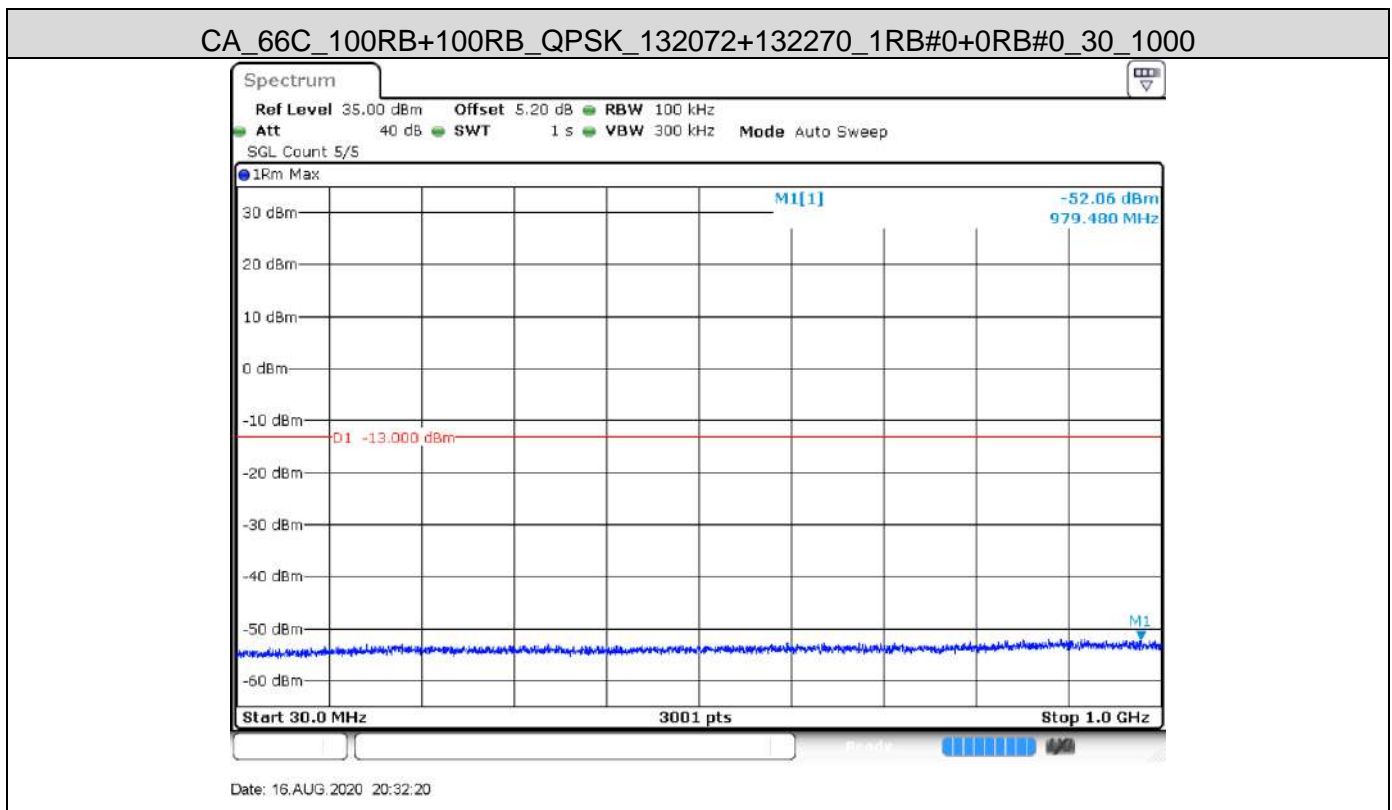
## 6. Spurious Emission at Antenna Terminal

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.

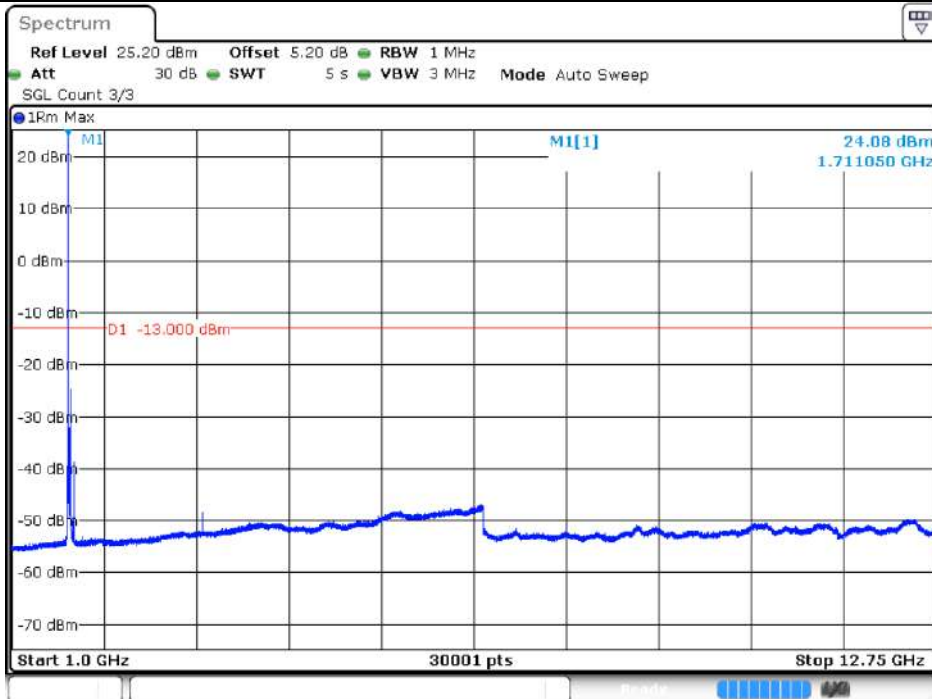
Part I - Test Plots

### 6.1. For LTE

#### 1.1.5 Test Band = LTE Band CA\_66C

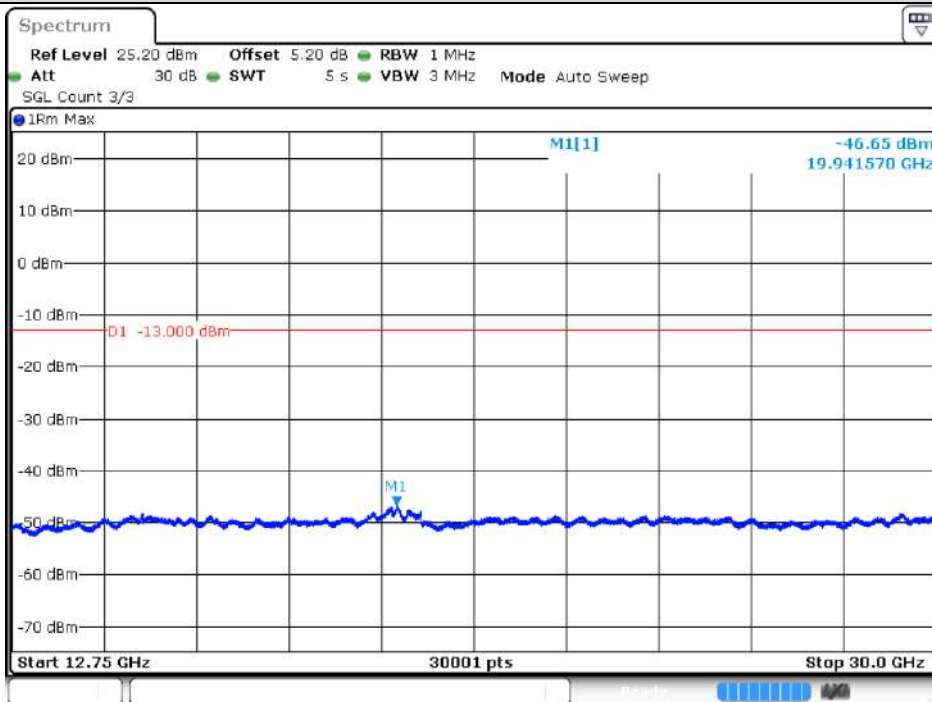


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Date: 16.AUG.2020 20:41:44



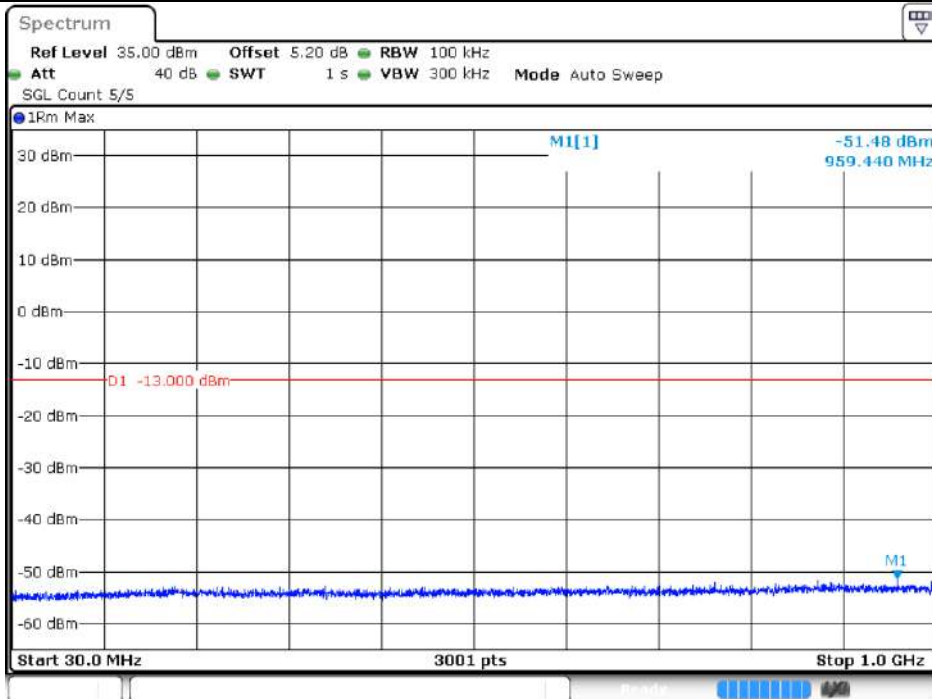
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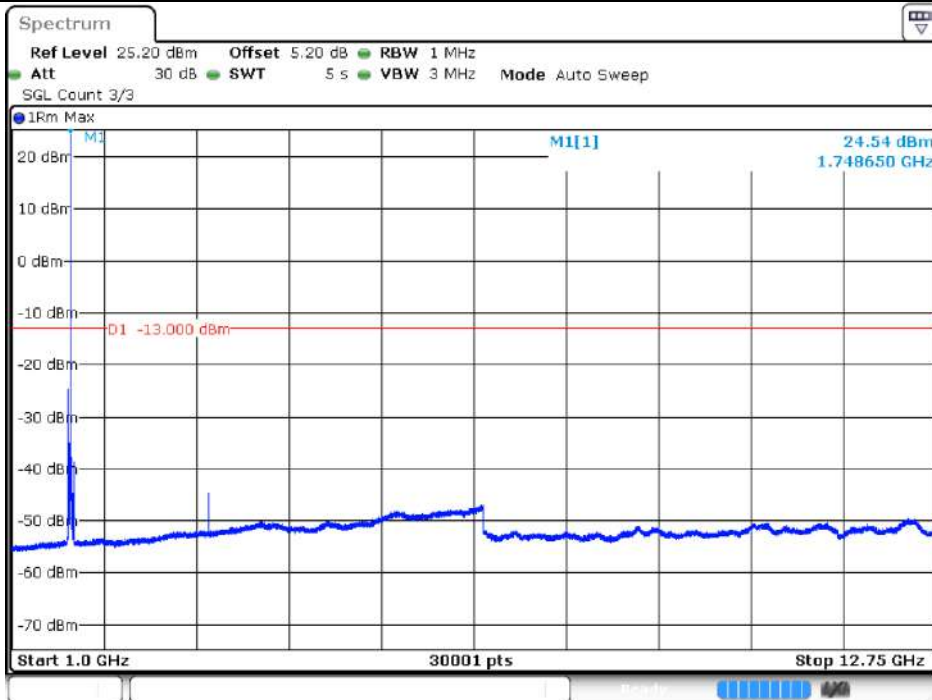


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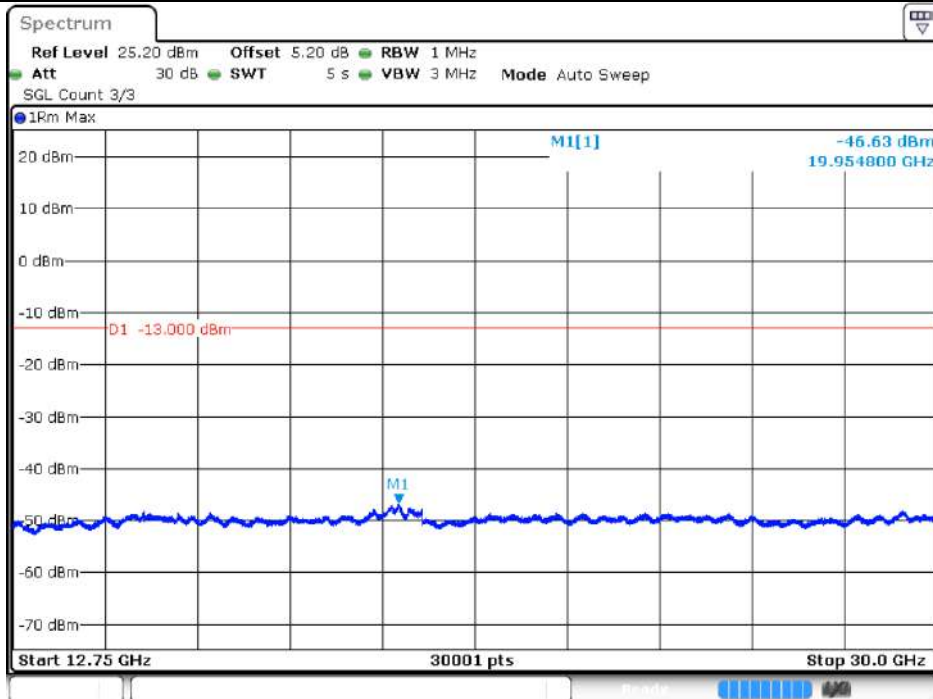
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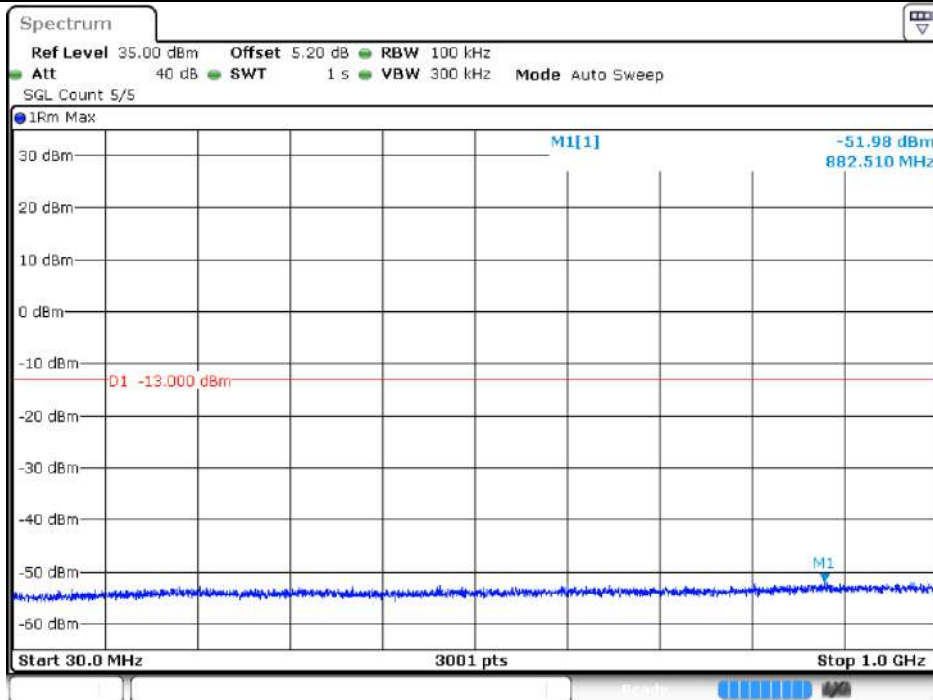
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Date: 16.AUG.2020 20:42:01

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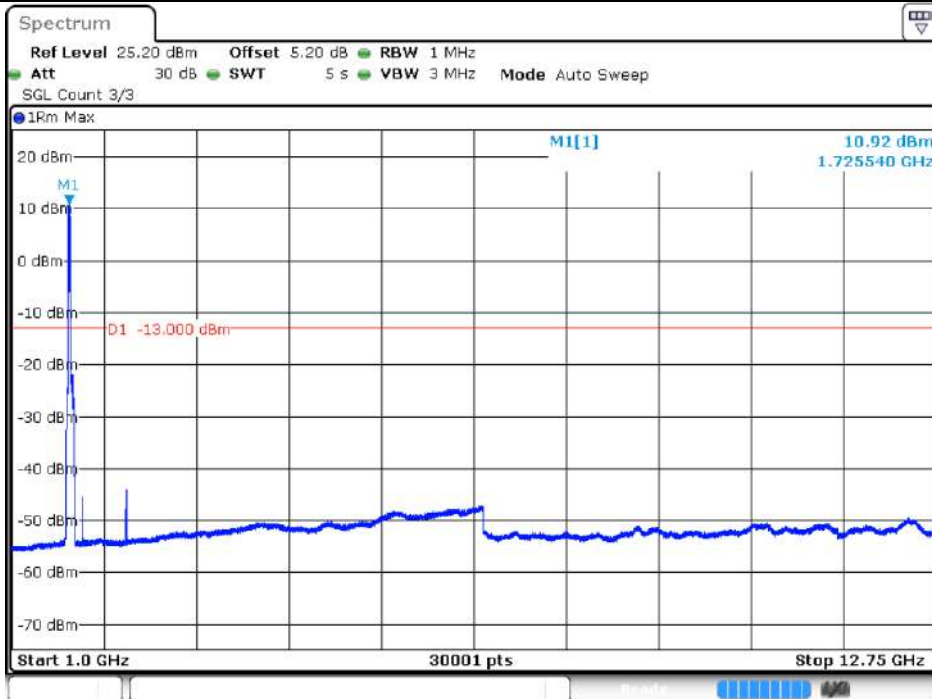


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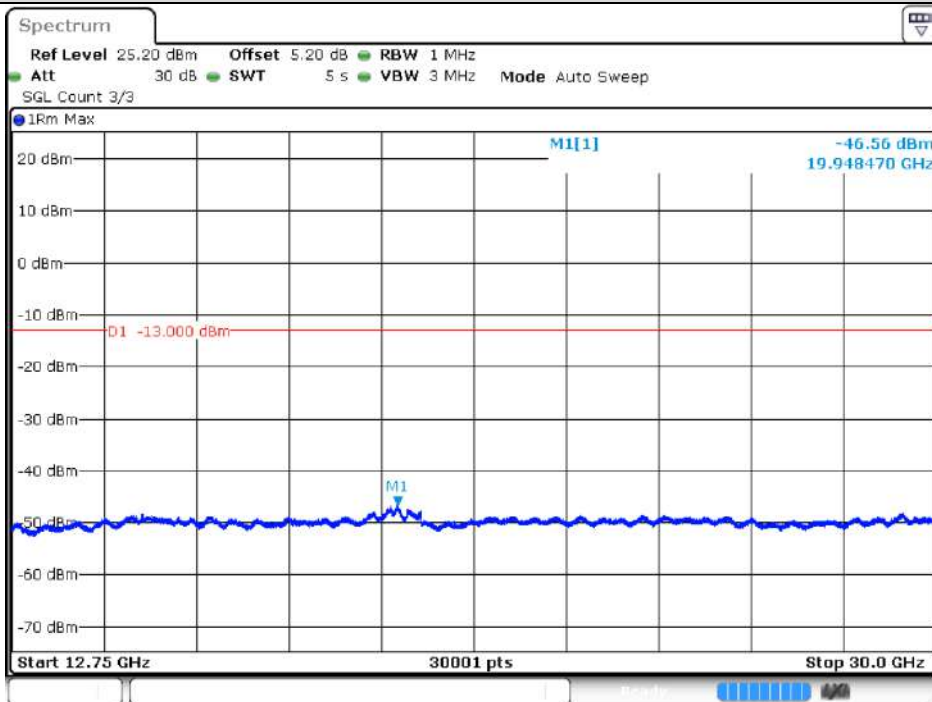
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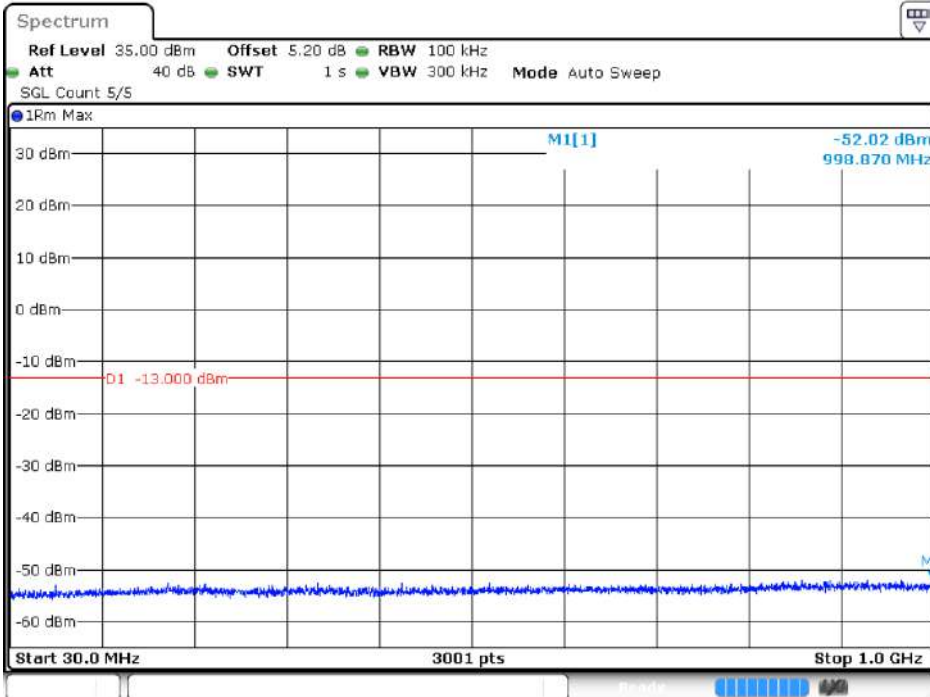
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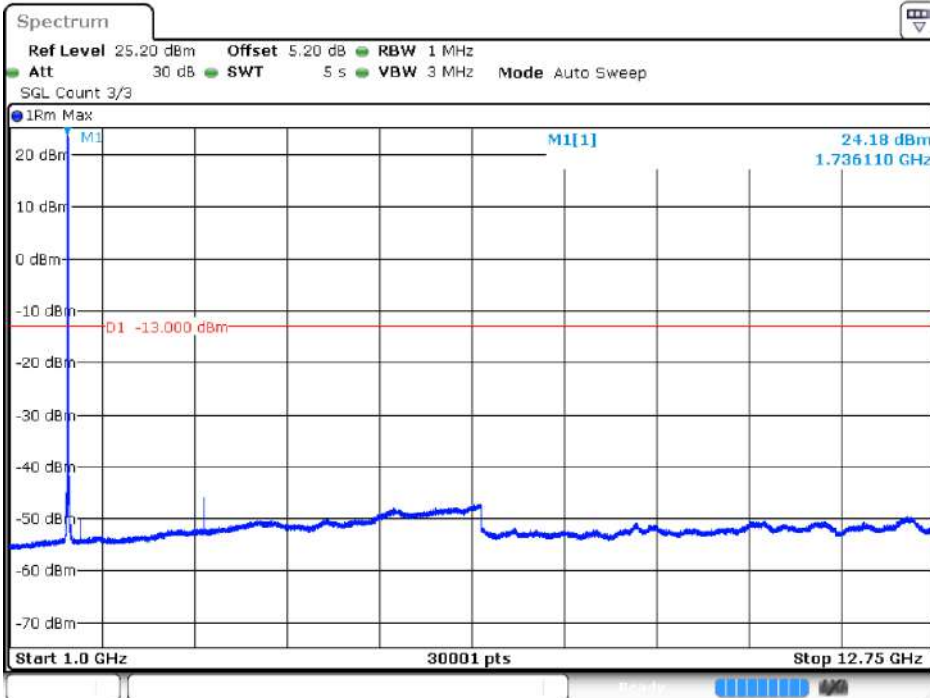


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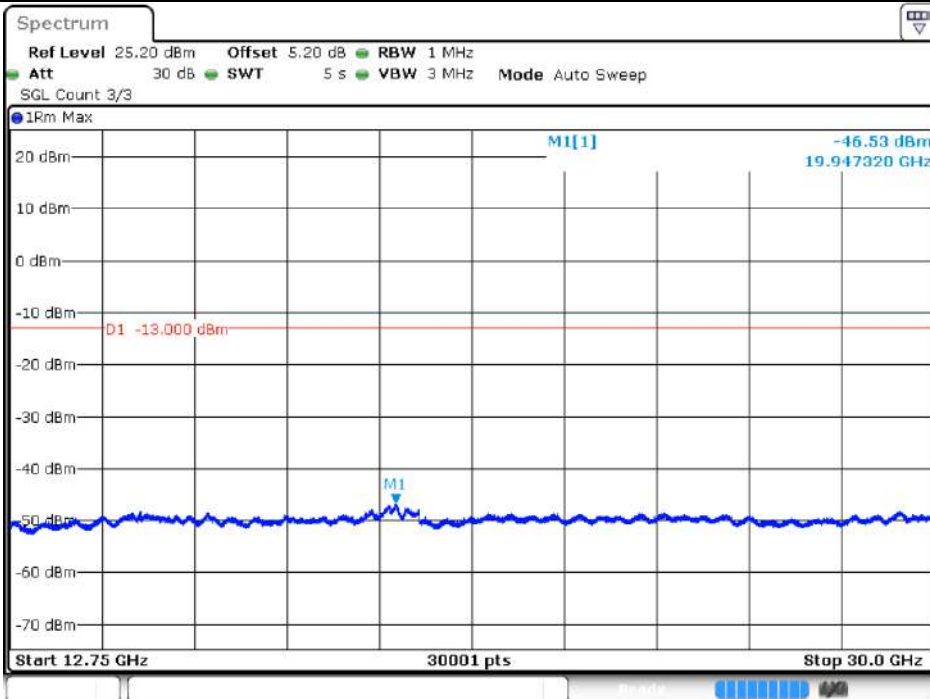
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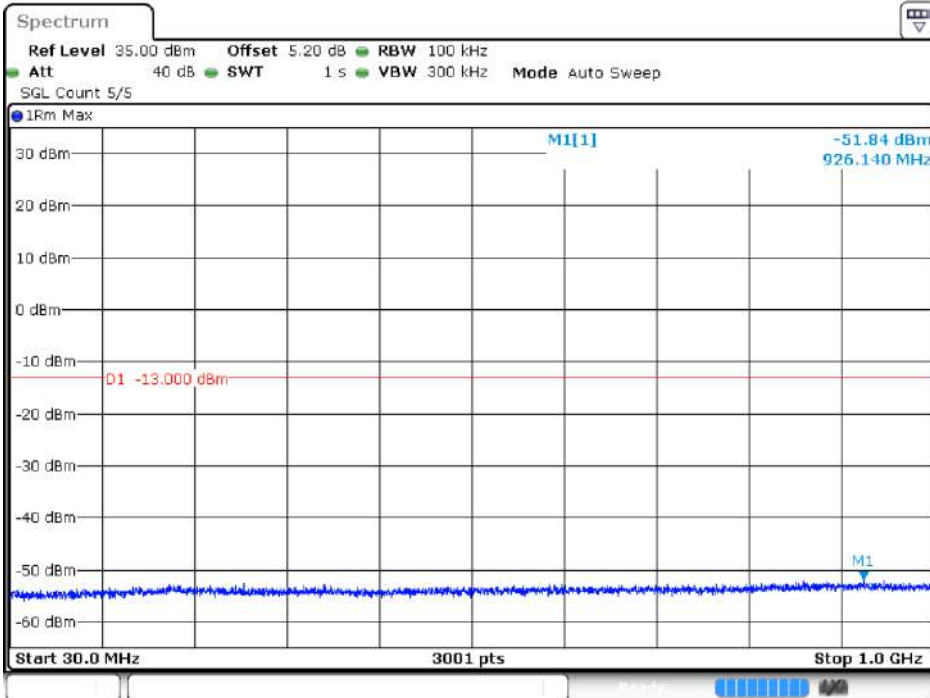


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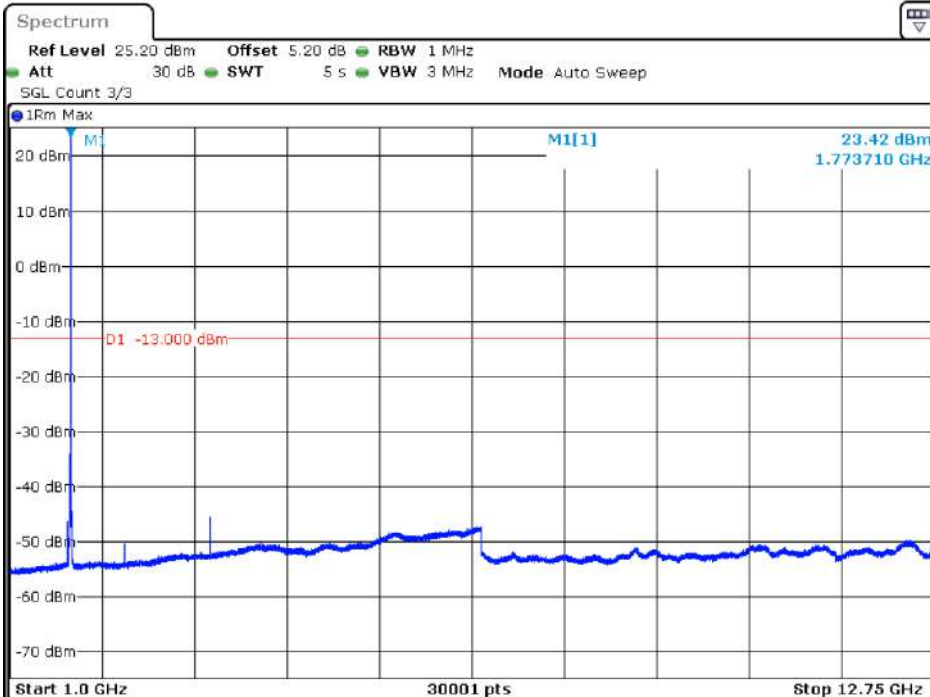
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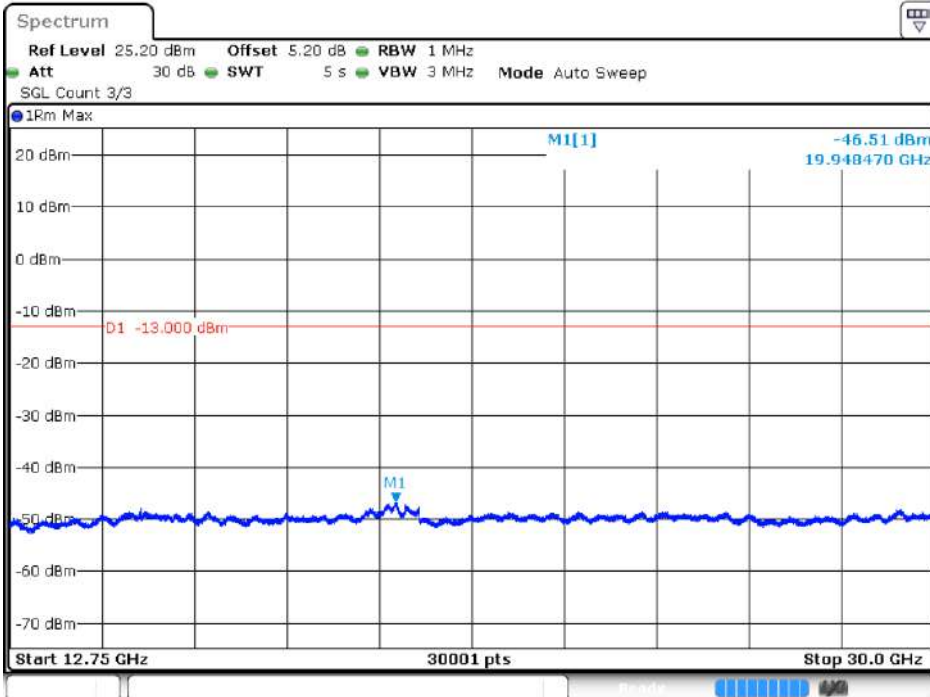
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Date: 4.SEP.2020 16:28:14

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Date: 16.AUG.2020 20:42:56



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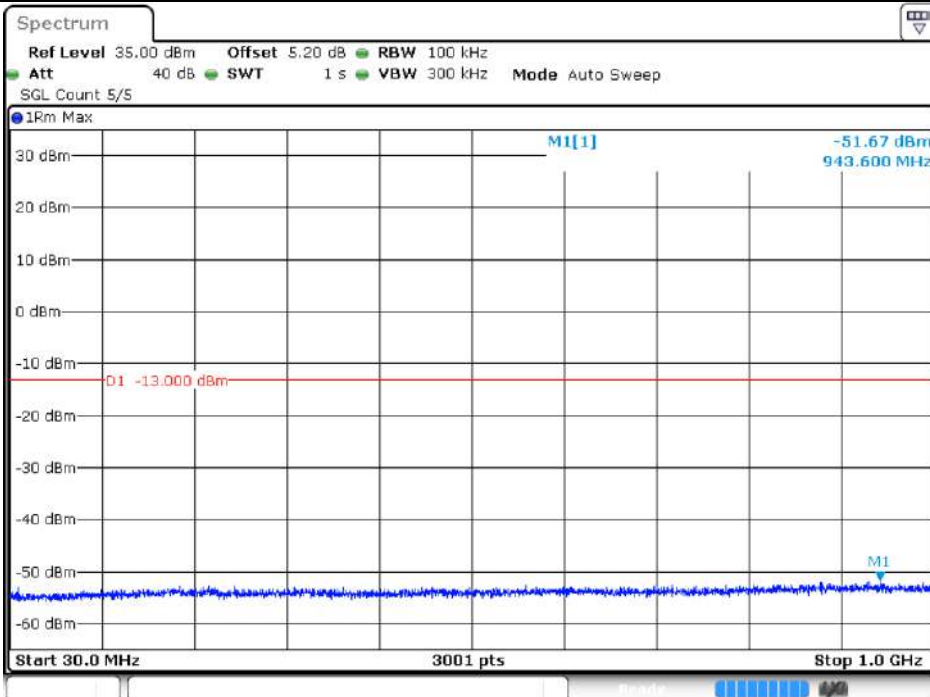
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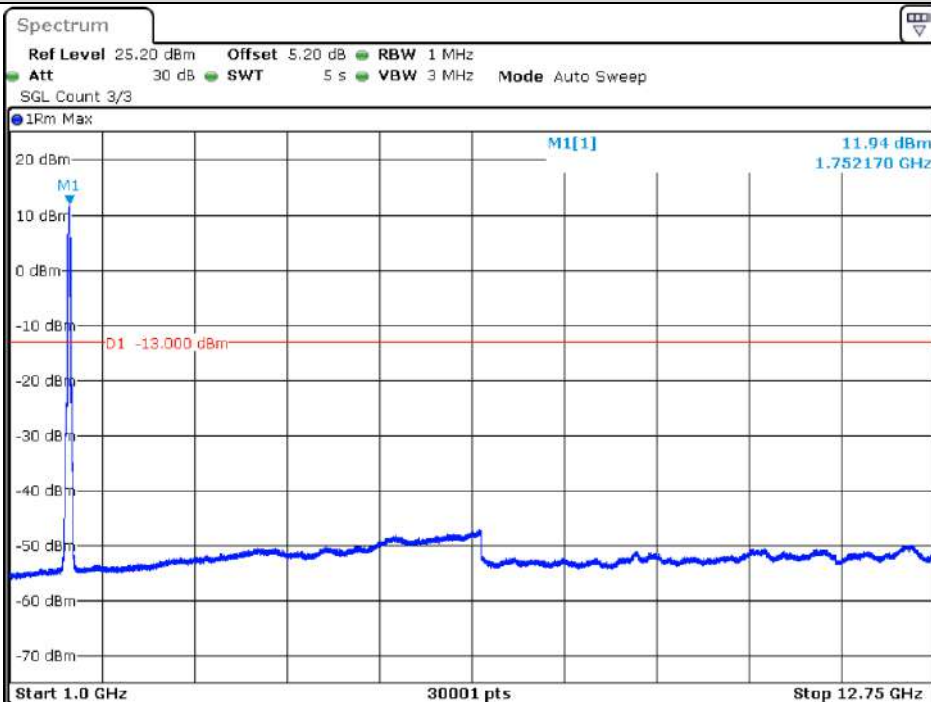


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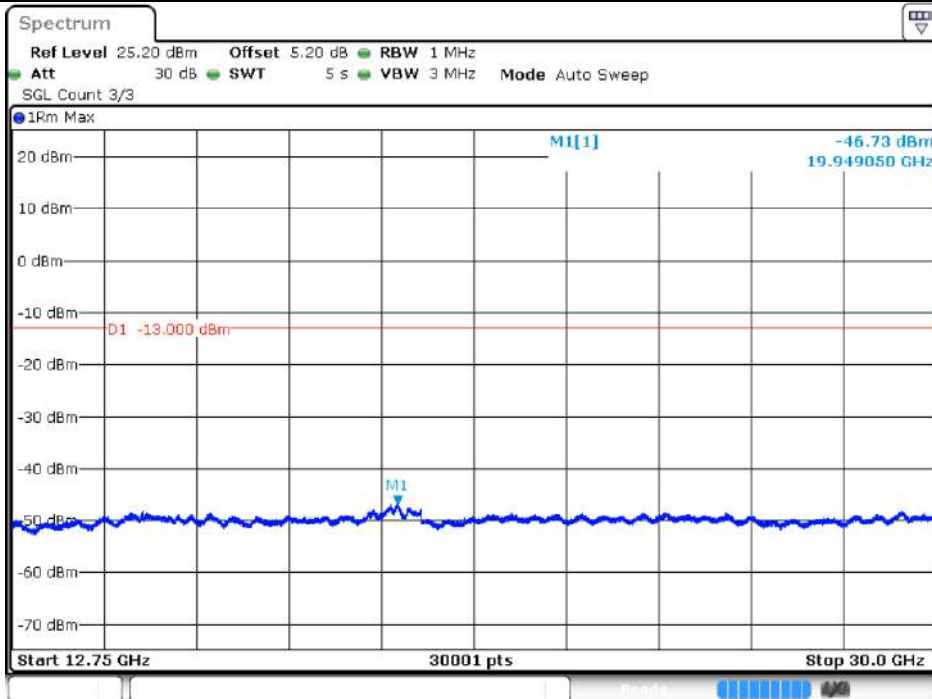
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Date: 4 SEP. 2020 16:28:54

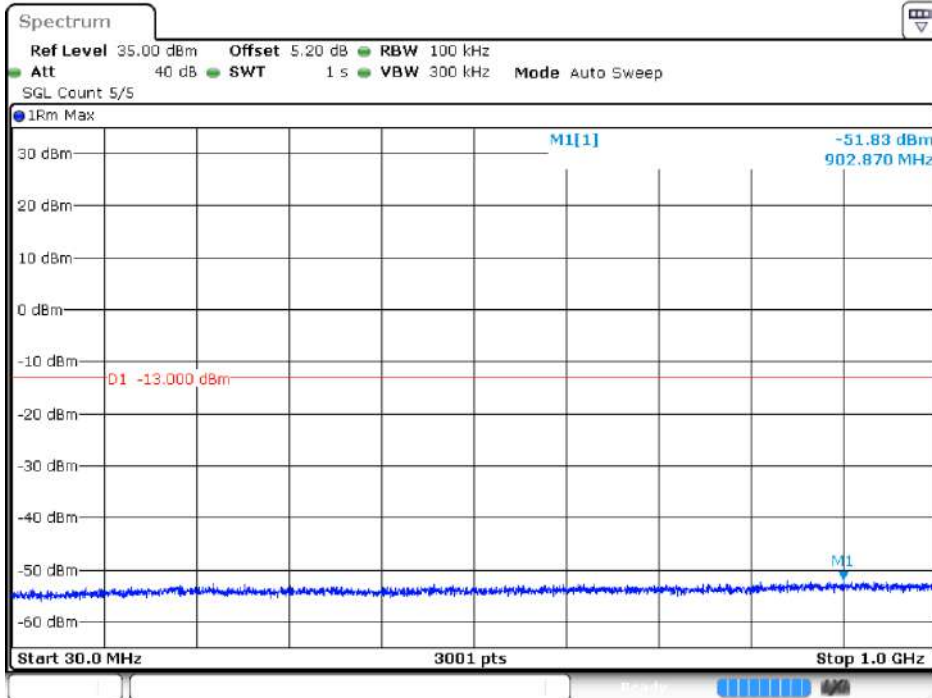


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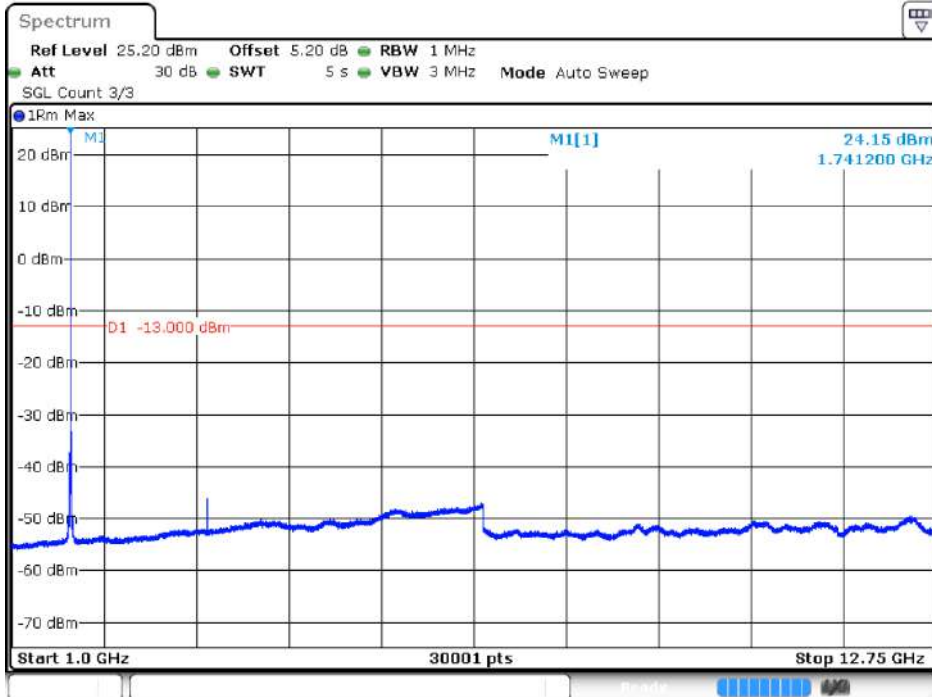


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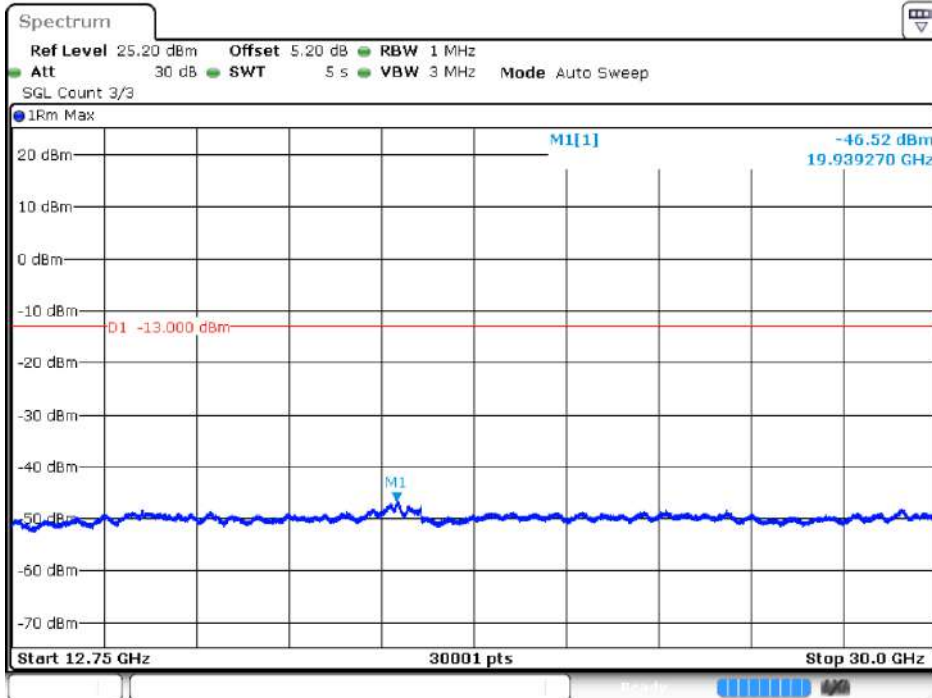
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Date: 16.AUG.2020 20:35:36

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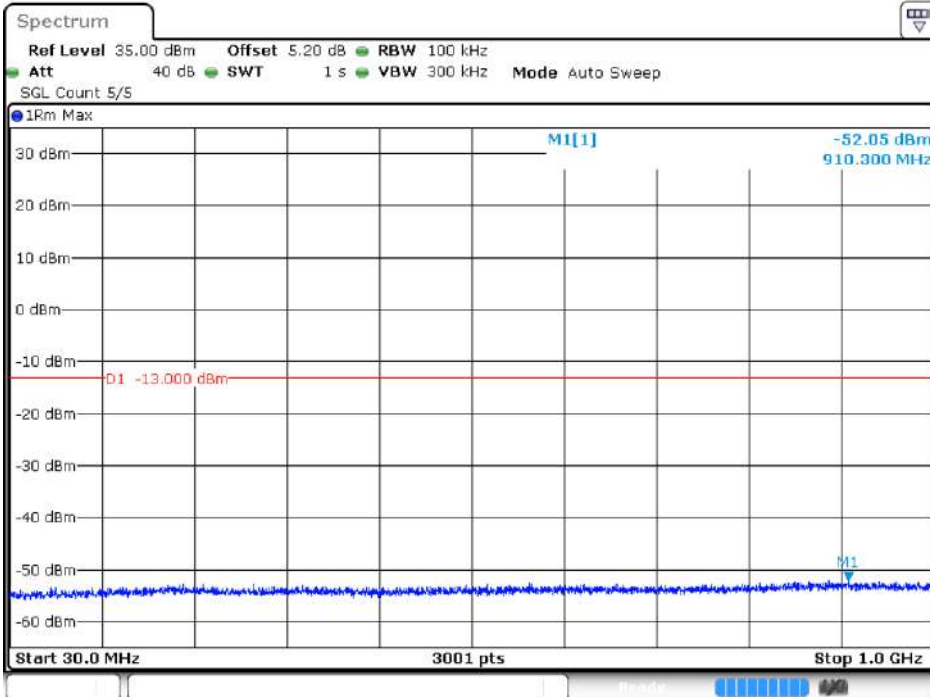


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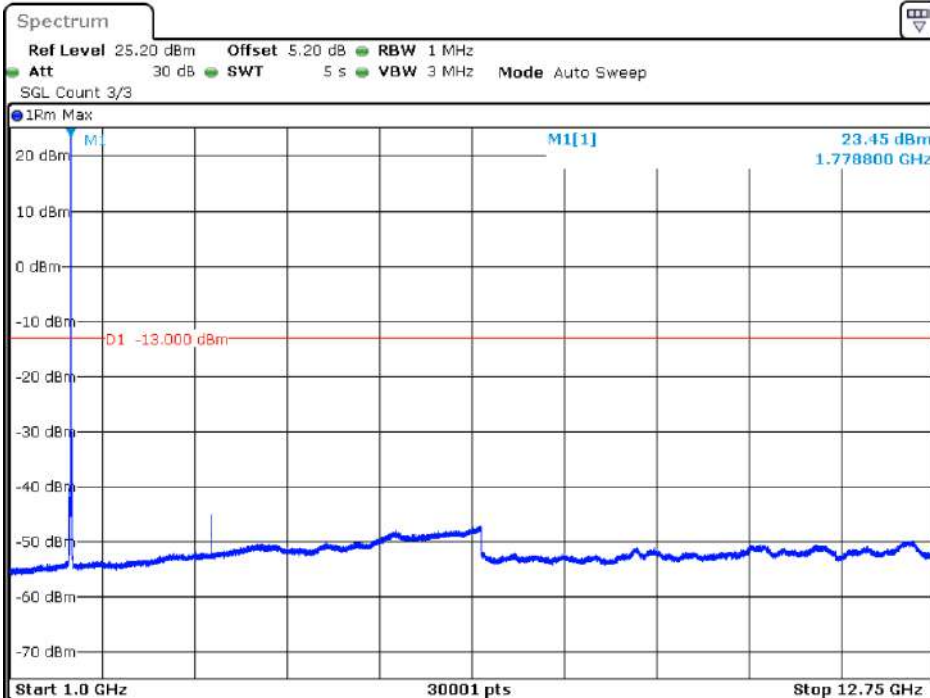


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Date: 16.AUG.2020 20:33:10

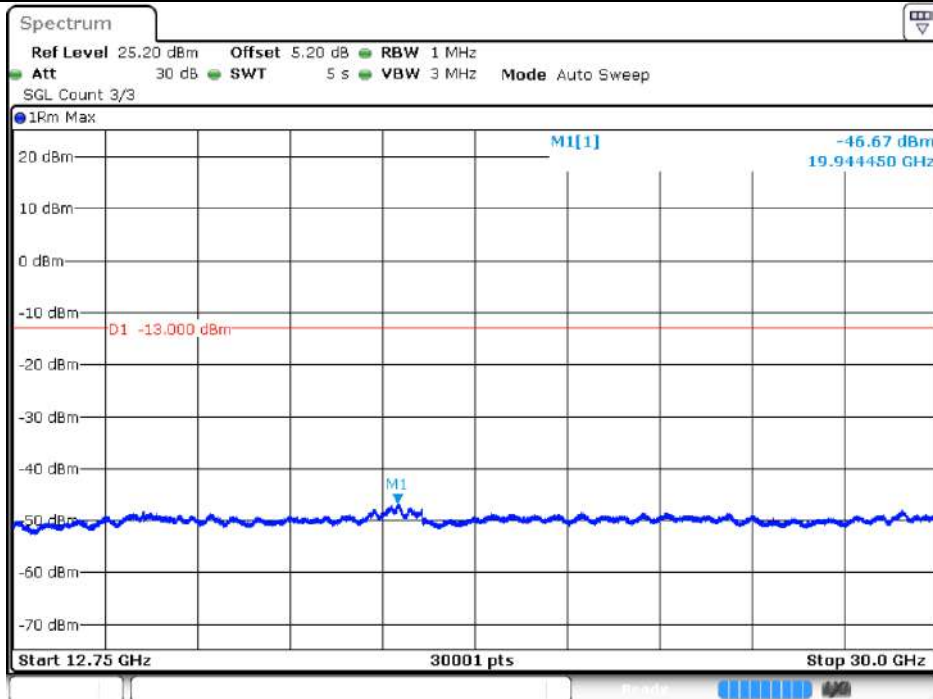
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Date: 4 SEP. 2020 16:29:26

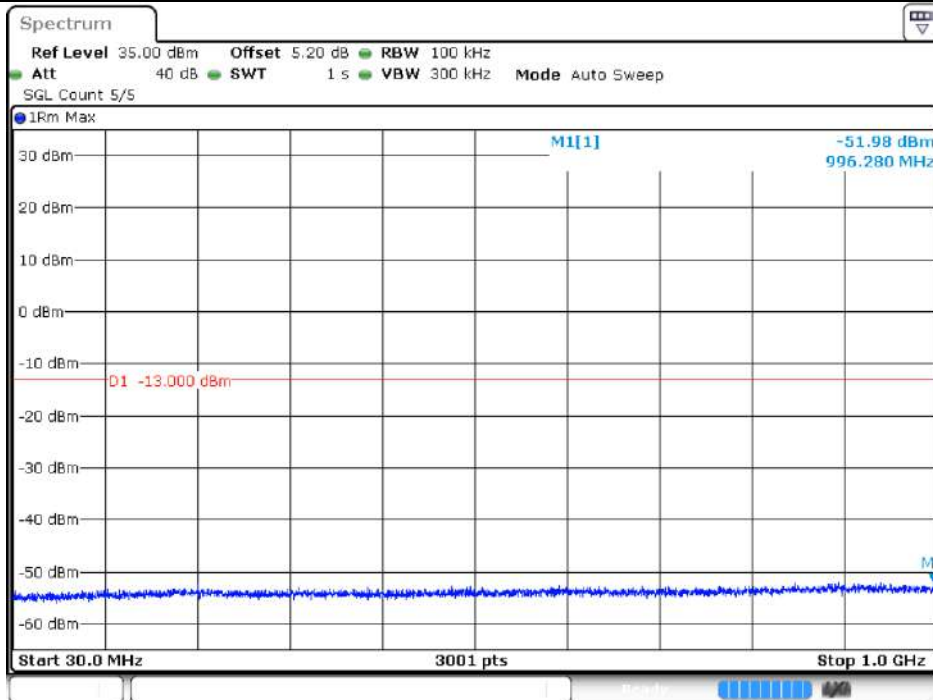


CA\_66C\_100RB+100RB\_QPSK\_132374+132572\_0RB#0+1RB#99\_12750\_30000



Date: 16.AUG.2020 20:43:51

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Date: 16.AUG.2020 20:33:16



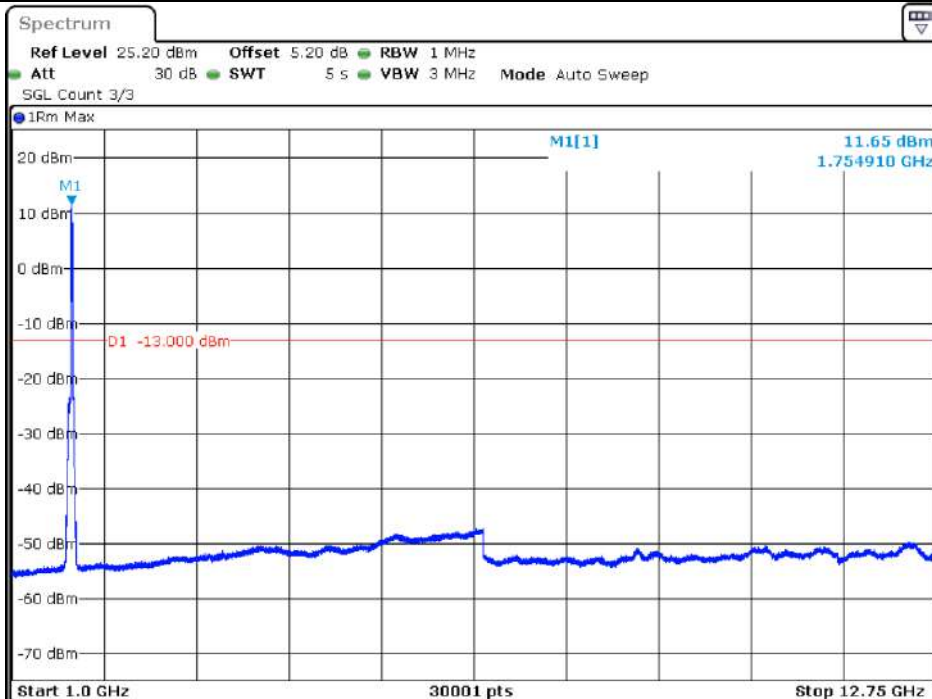
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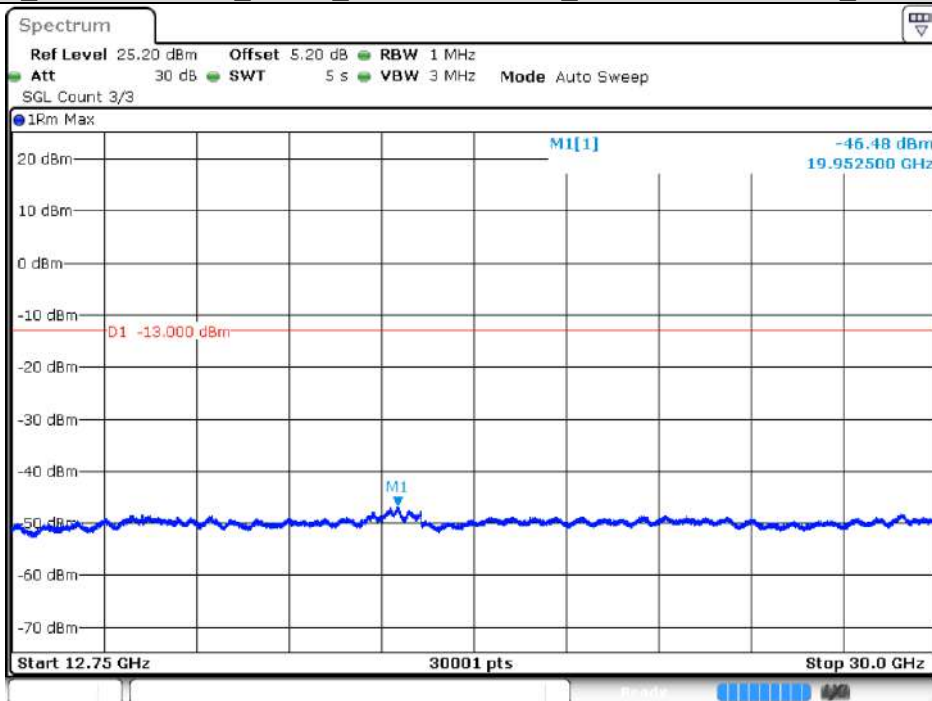
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## CA\_66C\_100RB+100RB\_QPSK\_132374+132572\_100RB#0+100RB#0\_1000\_12750



Date: 4.SEP.2020 16:29:58

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Date: 16.AUG.2020 20:44:08



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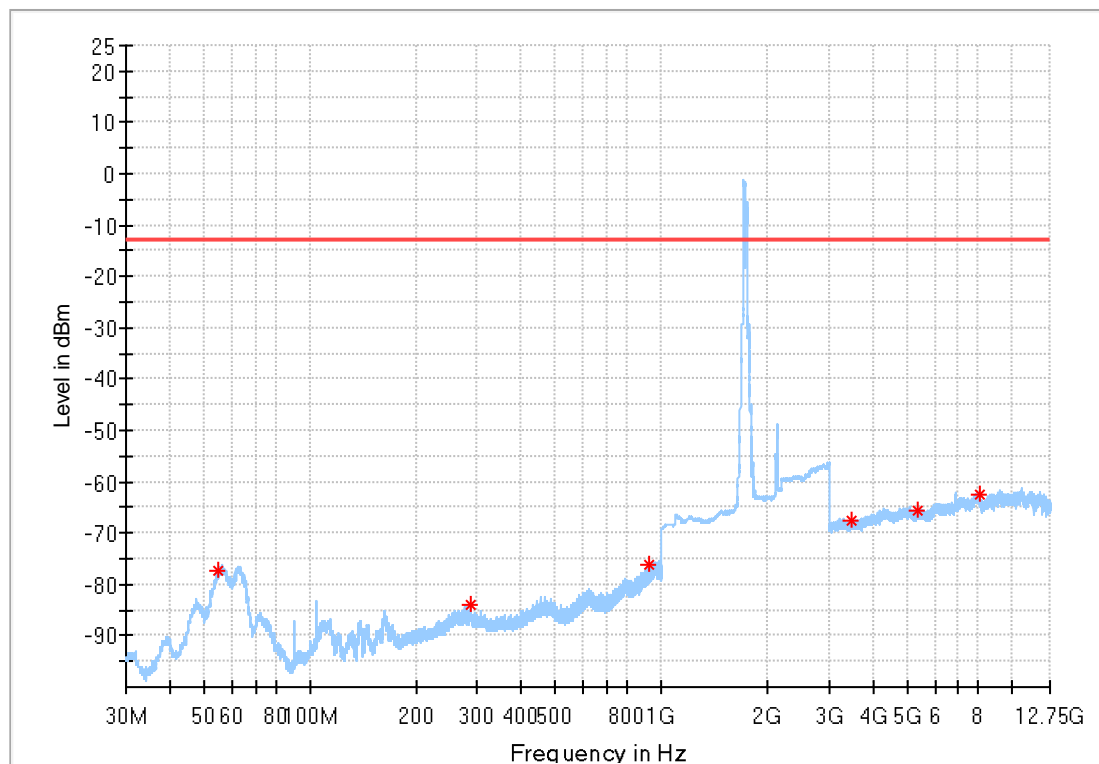


## 7. Field Strength of Spurious Radiation

### 7.1. Test Mode =LTE/TM1 20MHz\_Ant Down

#### 7.1.1. Test Channel = LCH\_Horizontal

Full Spectrum



### Critical\_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
54.750000	-77.33	-13.00	64.33	---	---	129.0	H	0.0	-97.9
287.100000	-83.80	-13.00	70.80	---	---	181.0	H	349.0	-102.9
927.629167	-76.15	-13.00	63.15	---	---	152.0	H	89.0	-93.1
3483.600000	-67.59	-13.00	54.59	---	---	292.0	H	180.0	-105.4
5389.725000	-65.53	-13.00	52.53	---	---	221.0	H	96.0	-101.6
8002.725000	-62.39	-13.00	49.39	---	---	216.0	H	2.0	-98.6



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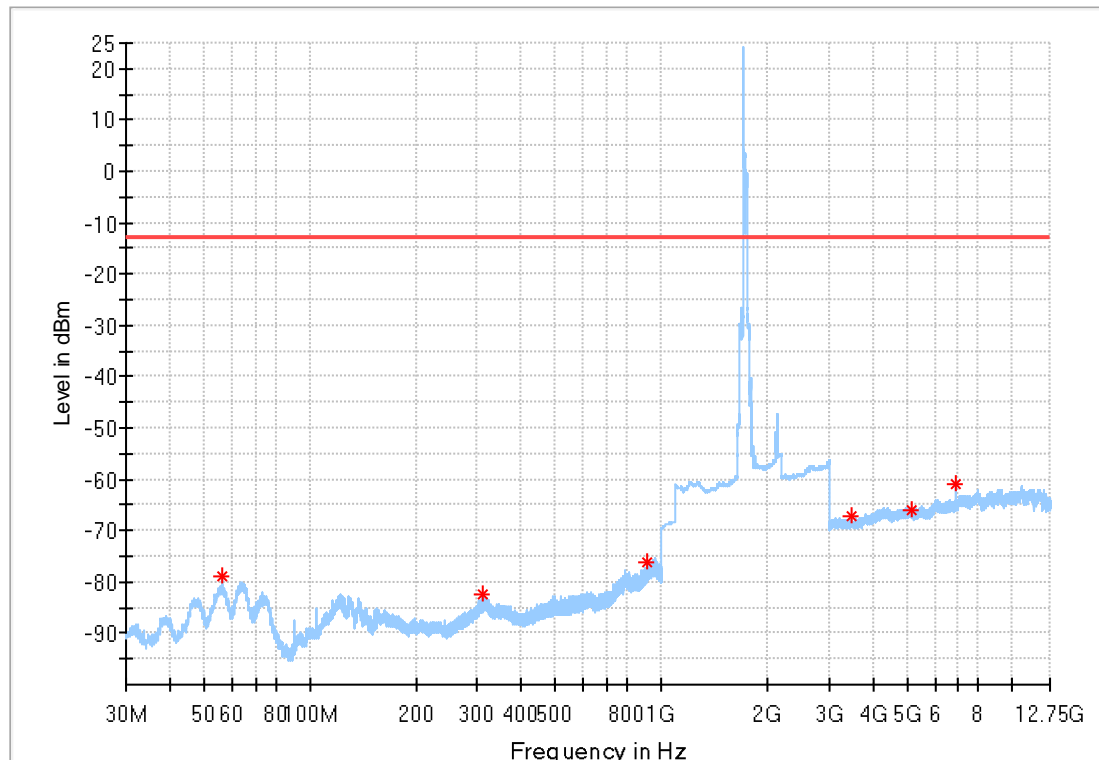
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## 7.1.2. Test Channel = LCH\_Vertical

Full Spectrum



## Critical\_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
56.550000	-79.05	-13.00	66.05	---	---	132.0	V	11.0	-101.2
309.050000	-82.40	-13.00	69.40	---	---	268.0	V	39.0	-102.1
907.325000	-76.00	-13.00	63.00	---	---	199.0	V	124.0	-93.7
3460.200000	-67.35	-13.00	54.35	---	---	262.0	V	348.0	-105.4
5152.475000	-65.84	-13.00	52.84	---	---	134.0	V	180.0	-101.8
6844.100000	-61.09	-13.00	48.09	---	---	155.0	V	141.0	-99.3



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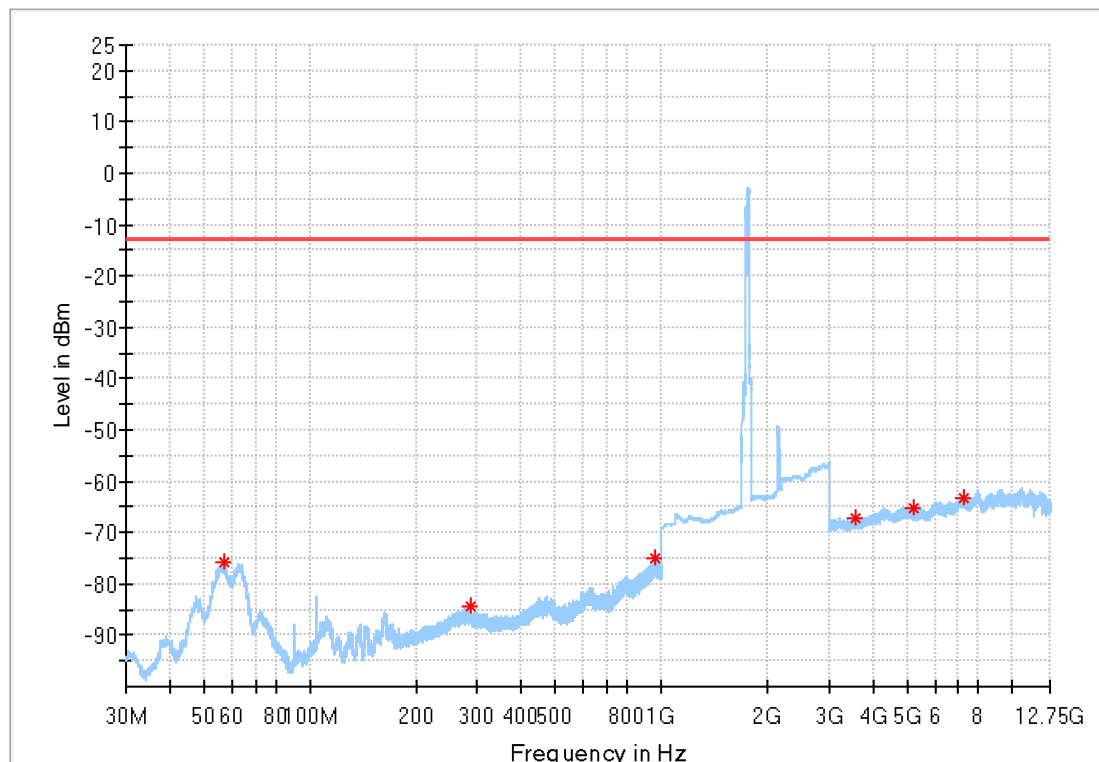
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## 7.1.3. Test Channel = MCH\_Horizontal

Full Spectrum



## Critical\_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
56.950000	-75.76	-13.00	62.76	---	---	257.0	H	103.0	-96.4
286.250000	-84.47	-13.00	71.47	---	---	109.0	H	348.0	-102.9
965.120833	-74.85	-13.00	61.85	---	---	112.0	H	153.0	-92.0
3562.900000	-67.30	-13.00	54.30	---	---	241.0	H	85.0	-104.9
5207.075000	-65.23	-13.00	52.23	---	---	192.0	H	180.0	-101.9
7245.475000	-63.38	-13.00	50.38	---	---	114.0	H	2.0	-99.6



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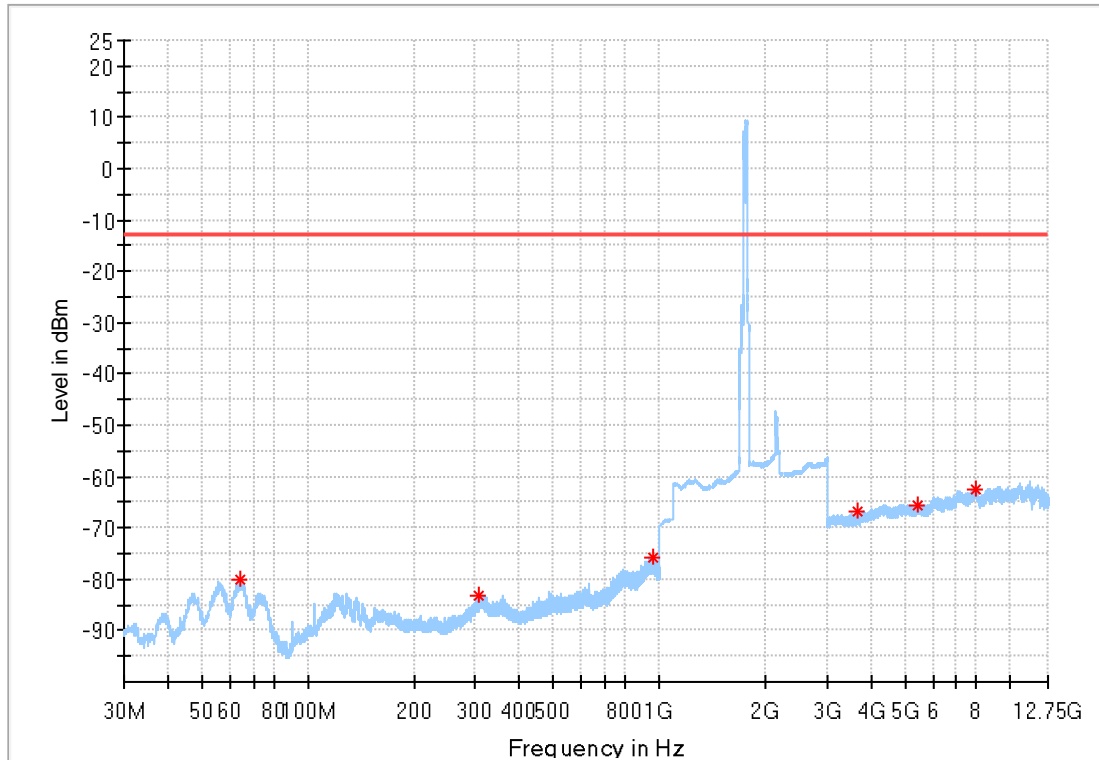
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#### 7.1.4. Test Channel = MCH\_ Vertical

Full Spectrum



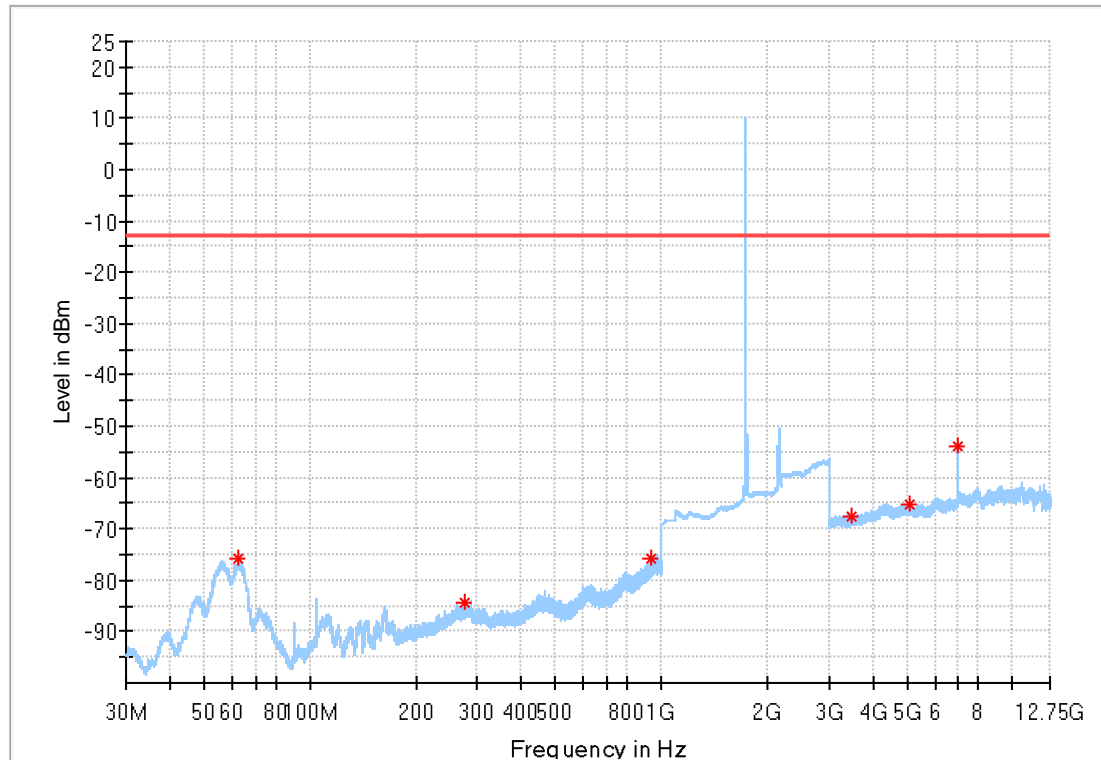
#### Critical\_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
64.650000	-80.14	-13.00	67.14	---	---	154.0	V	141.0	-99.9
304.900000	-83.14	-13.00	70.14	---	---	276.0	V	359.0	-102.3
957.008333	-75.70	-13.00	62.70	---	---	224.0	V	153.0	-92.3
3640.575000	-66.89	-13.00	53.89	---	---	265.0	V	180.0	-104.7
5434.575000	-65.57	-13.00	52.57	---	---	281.0	V	151.0	-101.5
7926.350000	-62.52	-13.00	49.52	---	---	145.0	V	128.0	-98.2



### 7.1.5. Test Channel = HCH\_Horizontal

Full Spectrum



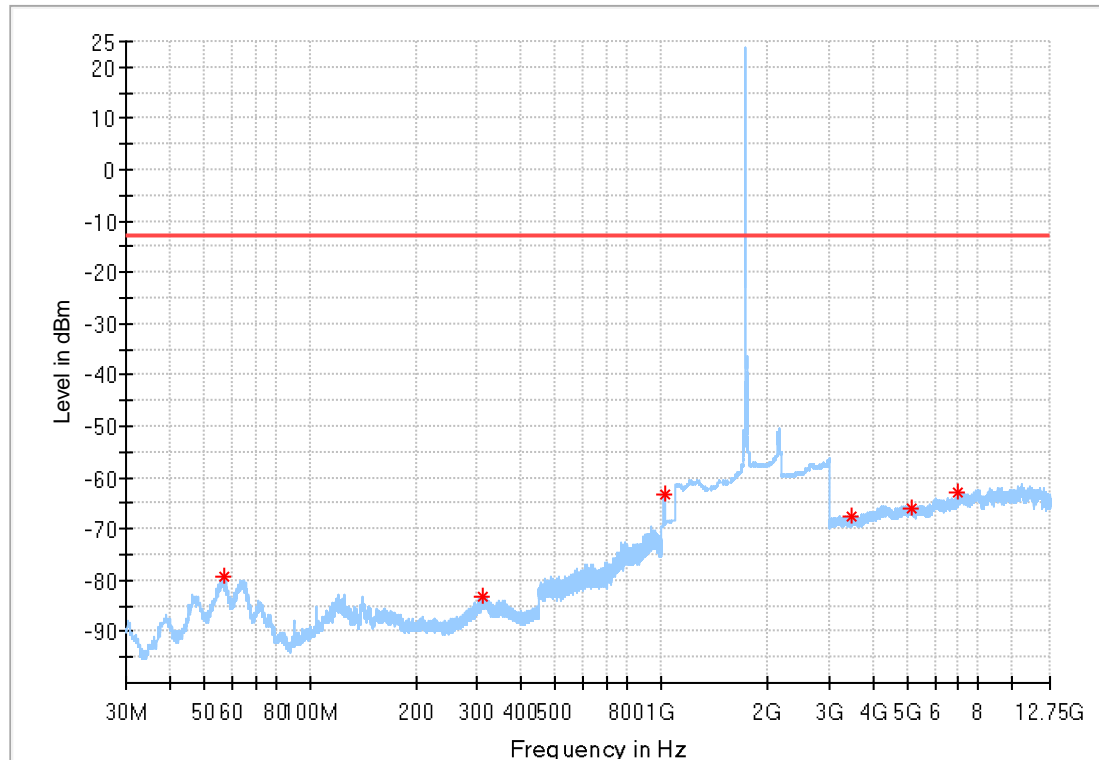
### Critical\_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.550000	-75.61	-13.00	62.61	---	---	282.0	H	20.0	-95.2
276.700000	-84.37	-13.00	71.37	---	---	193.0	H	338.0	-102.6
941.195833	-75.73	-13.00	62.73	---	---	237.0	H	180.0	-92.2
3490.100000	-67.57	-13.00	54.57	---	---	157.0	H	95.0	-105.3
5097.225000	-65.42	-13.00	52.42	---	---	213.0	H	73.0	-101.7
6965.000000	-54.00	-13.00	41.00	---	---	147.0	H	37.0	-99.4



### 7.1.6. Test Channel = HCH\_ Vertical

Full Spectrum



### Critical\_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
56.750000	-79.13	-13.00	66.13	---	---	158.0	V	122.0	-101.2
310.500000	-83.18	-13.00	70.18	---	---	139.0	V	84.0	-102.1
1019.000000	-63.10	-13.00	50.10	---	---	181.0	V	94.0	-91.0
3463.450000	-67.56	-13.00	54.56	---	---	140.0	V	332.0	-105.4
5146.625000	-65.83	-13.00	52.83	---	---	247.0	V	180.0	-101.8
6965.325000	-63.01	-13.00	50.01	---	---	285.0	V	141.0	-99.2

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_66C	QPSK	132072+132270	100RB#0/100RB#0	TN	LV	-5.42	-0.003152	PASS
CA_66C	QPSK	132072+132270	100RB#0/100RB#0	TN	NV	-0.11	-0.000064	PASS
CA_66C	QPSK	132072+132270	100RB#0/100RB#0	TN	HV	-0.55	-0.000320	PASS
CA_66C	QPSK	132323+132521	100RB#0/100RB#0	TN	LV	-2.49	-0.001428	PASS
CA_66C	QPSK	132323+132521	100RB#0/100RB#0	TN	NV	-3.90	-0.002236	PASS
CA_66C	QPSK	132323+132521	100RB#0/100RB#0	TN	HV	6.88	0.003940	PASS
CA_66C	QPSK	132374+132572	100RB#0/100RB#0	TN	LV	-0.54	-0.000307	PASS
CA_66C	QPSK	132374+132572	100RB#0/100RB#0	TN	NV	0.98	0.000557	PASS
CA_66C	QPSK	132374+132572	100RB#0/100RB#0	TN	HV	7.53	0.004302	PASS
CA_66C	16QAM	132072+132270	100RB#0/100RB#0	TN	LV	2.44	0.001418	PASS
CA_66C	16QAM	132072+132270	100RB#0/100RB#0	TN	NV	3.95	0.002295	PASS
CA_66C	16QAM	132072+132270	100RB#0/100RB#0	TN	HV	0.52	0.000302	PASS
CA_66C	16QAM	132323+132521	100RB#0/100RB#0	TN	LV	7.85	0.004501	PASS
CA_66C	16QAM	132323+132521	100RB#0/100RB#0	TN	NV	3.14	0.001798	PASS
CA_66C	16QAM	132323+132521	100RB#0/100RB#0	TN	HV	-9.02	-0.005166	PASS
CA_66C	16QAM	132374+132572	100RB#0/100RB#0	TN	LV	2.47	0.001411	PASS
CA_66C	16QAM	132374+132572	100RB#0/100RB#0	TN	NV	-8.11	-0.004633	PASS
CA_66C	16QAM	132374+132572	100RB#0/100RB#0	TN	HV	0.10	0.000055	PASS
CA_66C	64QAM	132072+132270	100RB#0/100RB#0	TN	LV	3.75	0.002181	PASS
CA_66C	64QAM	132072+132270	100RB#0/100RB#0	TN	NV	6.16	0.003584	PASS
CA_66C	64QAM	132072+132270	100RB#0/100RB#0	TN	HV	0.91	0.000528	PASS
CA_66C	64QAM	132323+132521	100RB#0/100RB#0	TN	LV	3.96	0.002270	PASS
CA_66C	64QAM	132323+132521	100RB#0/100RB#0	TN	NV	3.06	0.001756	PASS
CA_66C	64QAM	132323+132521	100RB#0/100RB#0	TN	HV	4.22	0.002421	PASS
CA_66C	64QAM	132374+132572	100RB#0/100RB#0	TN	LV	-2.12	-0.001211	PASS
CA_66C	64QAM	132374+132572	100RB#0/100RB#0	TN	NV	-5.28	-0.003018	PASS
CA_66C	64QAM	132374+132572	100RB#0/100RB#0	TN	HV	3.80	0.002171	PASS





## 8.2. Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	RB Config	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_66C	QPSK	132072+132270	100RB#0/100RB#0	NV	-30	2.38	0.001384	PASS
CA_66C	QPSK	132072+132270	100RB#0/100RB#0	NV	-20	6.07	0.003531	PASS
CA_66C	QPSK	132072+132270	100RB#0/100RB#0	NV	-10	-1.01	-0.000586	PASS
CA_66C	QPSK	132072+132270	100RB#0/100RB#0	NV	0	0.25	0.000148	PASS
CA_66C	QPSK	132072+132270	100RB#0/100RB#0	NV	10	3.74	0.002173	PASS
CA_66C	QPSK	132072+132270	100RB#0/100RB#0	NV	20	4.95	0.002875	PASS
CA_66C	QPSK	132072+132270	100RB#0/100RB#0	NV	30	-6.09	-0.003542	PASS
CA_66C	QPSK	132072+132270	100RB#0/100RB#0	NV	40	12.21	0.007098	PASS
CA_66C	QPSK	132072+132270	100RB#0/100RB#0	NV	50	4.10	0.002385	PASS
CA_66C	QPSK	132323+132521	100RB#0/100RB#0	NV	-30	-1.90	-0.001090	PASS
CA_66C	QPSK	132323+132521	100RB#0/100RB#0	NV	-20	3.44	0.001973	PASS
CA_66C	QPSK	132323+132521	100RB#0/100RB#0	NV	-10	-8.48	-0.004862	PASS
CA_66C	QPSK	132323+132521	100RB#0/100RB#0	NV	0	0.69	0.000397	PASS
CA_66C	QPSK	132323+132521	100RB#0/100RB#0	NV	10	-5.00	-0.002863	PASS
CA_66C	QPSK	132323+132521	100RB#0/100RB#0	NV	20	-1.06	-0.000605	PASS
CA_66C	QPSK	132323+132521	100RB#0/100RB#0	NV	30	-0.84	-0.000484	PASS
CA_66C	QPSK	132323+132521	100RB#0/100RB#0	NV	40	-3.65	-0.002092	PASS
CA_66C	QPSK	132323+132521	100RB#0/100RB#0	NV	50	-13.47	-0.007721	PASS
CA_66C	QPSK	132374+132572	100RB#0/100RB#0	NV	-30	0.83	0.000472	PASS
CA_66C	QPSK	132374+132572	100RB#0/100RB#0	NV	-20	-0.85	-0.000484	PASS
CA_66C	QPSK	132374+132572	100RB#0/100RB#0	NV	-10	14.48	0.008273	PASS
CA_66C	QPSK	132374+132572	100RB#0/100RB#0	NV	0	5.53	0.003162	PASS
CA_66C	QPSK	132374+132572	100RB#0/100RB#0	NV	10	-11.13	-0.006362	PASS
CA_66C	QPSK	132374+132572	100RB#0/100RB#0	NV	20	1.94	0.001110	PASS
CA_66C	QPSK	132374+132572	100RB#0/100RB#0	NV	30	-1.01	-0.000574	PASS
CA_66C	QPSK	132374+132572	100RB#0/100RB#0	NV	40	1.44	0.000823	PASS
CA_66C	QPSK	132374+132572	100RB#0/100RB#0	NV	50	3.77	0.002153	PASS
CA_66C	16QAM	132072+132270	100RB#0/100RB#0	NV	-30	-0.38	-0.000222	PASS
CA_66C	16QAM	132072+132270	100RB#0/100RB#0	NV	-20	3.65	0.002120	PASS
CA_66C	16QAM	132072+132270	100RB#0/100RB#0	NV	-10	-1.38	-0.000801	PASS
CA_66C	16QAM	132072+132270	100RB#0/100RB#0	NV	0	0.76	0.000441	PASS
CA_66C	16QAM	132072+132270	100RB#0/100RB#0	NV	10	0.80	0.000466	PASS
CA_66C	16QAM	132072+132270	100RB#0/100RB#0	NV	20	5.95	0.003457	PASS
CA_66C	16QAM	132072+132270	100RB#0/100RB#0	NV	30	10.34	0.006009	PASS
CA_66C	16QAM	132072+132270	100RB#0/100RB#0	NV	40	8.80	0.005114	PASS
CA_66C	16QAM	132072+132270	100RB#0/100RB#0	NV	50	6.87	0.003997	PASS
CA_66C	16QAM	132323+132521	100RB#0/100RB#0	NV	-30	3.39	0.001940	PASS
CA_66C	16QAM	132323+132521	100RB#0/100RB#0	NV	-20	-8.52	-0.004884	PASS
CA_66C	16QAM	132323+132521	100RB#0/100RB#0	NV	-10	5.67	0.003247	PASS
CA_66C	16QAM	132323+132521	100RB#0/100RB#0	NV	0	1.07	0.000612	PASS



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CA_66C	16QAM	132323+132521	100RB#0/100RB#0	NV	10	-3.25	-0.001863	PASS
CA_66C	16QAM	132323+132521	100RB#0/100RB#0	NV	20	4.66	0.002671	PASS
CA_66C	16QAM	132323+132521	100RB#0/100RB#0	NV	30	1.31	0.000750	PASS
CA_66C	16QAM	132323+132521	100RB#0/100RB#0	NV	40	6.34	0.003633	PASS
CA_66C	16QAM	132323+132521	100RB#0/100RB#0	NV	50	6.65	0.003813	PASS
CA_66C	16QAM	132374+132572	100RB#0/100RB#0	NV	-30	2.81	0.001604	PASS
CA_66C	16QAM	132374+132572	100RB#0/100RB#0	NV	-20	-0.77	-0.000440	PASS
CA_66C	16QAM	132374+132572	100RB#0/100RB#0	NV	-10	-9.36	-0.005350	PASS
CA_66C	16QAM	132374+132572	100RB#0/100RB#0	NV	0	-10.35	-0.005912	PASS
CA_66C	16QAM	132374+132572	100RB#0/100RB#0	NV	10	1.62	0.000924	PASS
CA_66C	16QAM	132374+132572	100RB#0/100RB#0	NV	20	-9.67	-0.005525	PASS
CA_66C	16QAM	132374+132572	100RB#0/100RB#0	NV	30	-2.38	-0.001360	PASS
CA_66C	16QAM	132374+132572	100RB#0/100RB#0	NV	40	-0.42	-0.000240	PASS
CA_66C	16QAM	132374+132572	100RB#0/100RB#0	NV	50	2.02	0.001156	PASS
CA_66C	64QAM	132072+132270	100RB#0/100RB#0	NV	-30	-6.48	-0.003770	PASS
CA_66C	64QAM	132072+132270	100RB#0/100RB#0	NV	-20	-3.78	-0.002201	PASS
CA_66C	64QAM	132072+132270	100RB#0/100RB#0	NV	-10	11.48	0.006675	PASS
CA_66C	64QAM	132072+132270	100RB#0/100RB#0	NV	0	5.36	0.003116	PASS
CA_66C	64QAM	132072+132270	100RB#0/100RB#0	NV	10	8.01	0.004654	PASS
CA_66C	64QAM	132072+132270	100RB#0/100RB#0	NV	20	-0.95	-0.000555	PASS
CA_66C	64QAM	132072+132270	100RB#0/100RB#0	NV	30	-10.24	-0.005954	PASS
CA_66C	64QAM	132072+132270	100RB#0/100RB#0	NV	40	-2.06	-0.001197	PASS
CA_66C	64QAM	132072+132270	100RB#0/100RB#0	NV	50	9.38	0.005451	PASS
CA_66C	64QAM	132323+132521	100RB#0/100RB#0	NV	-30	5.40	0.003096	PASS
CA_66C	64QAM	132323+132521	100RB#0/100RB#0	NV	-20	1.31	0.000753	PASS
CA_66C	64QAM	132323+132521	100RB#0/100RB#0	NV	-10	8.16	0.004678	PASS
CA_66C	64QAM	132323+132521	100RB#0/100RB#0	NV	0	-10.08	-0.005779	PASS
CA_66C	64QAM	132323+132521	100RB#0/100RB#0	NV	10	-2.56	-0.001465	PASS
CA_66C	64QAM	132323+132521	100RB#0/100RB#0	NV	20	6.96	0.003985	PASS
CA_66C	64QAM	132323+132521	100RB#0/100RB#0	NV	30	10.90	0.006248	PASS
CA_66C	64QAM	132323+132521	100RB#0/100RB#0	NV	40	-13.70	-0.007849	PASS
CA_66C	64QAM	132323+132521	100RB#0/100RB#0	NV	50	6.68	0.003825	PASS
CA_66C	64QAM	132374+132572	100RB#0/100RB#0	NV	-30	-2.58	-0.001472	PASS
CA_66C	64QAM	132374+132572	100RB#0/100RB#0	NV	-20	-5.87	-0.003352	PASS
CA_66C	64QAM	132374+132572	100RB#0/100RB#0	NV	-10	-1.42	-0.000813	PASS
CA_66C	64QAM	132374+132572	100RB#0/100RB#0	NV	0	4.08	0.002334	PASS
CA_66C	64QAM	132374+132572	100RB#0/100RB#0	NV	10	-4.57	-0.002612	PASS
CA_66C	64QAM	132374+132572	100RB#0/100RB#0	NV	20	12.41	0.007090	PASS
CA_66C	64QAM	132374+132572	100RB#0/100RB#0	NV	30	2.78	0.001589	PASS
CA_66C	64QAM	132374+132572	100RB#0/100RB#0	NV	40	-0.22	-0.000123	PASS
CA_66C	64QAM	132374+132572	100RB#0/100RB#0	NV	50	1.05	0.000600	PASS

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