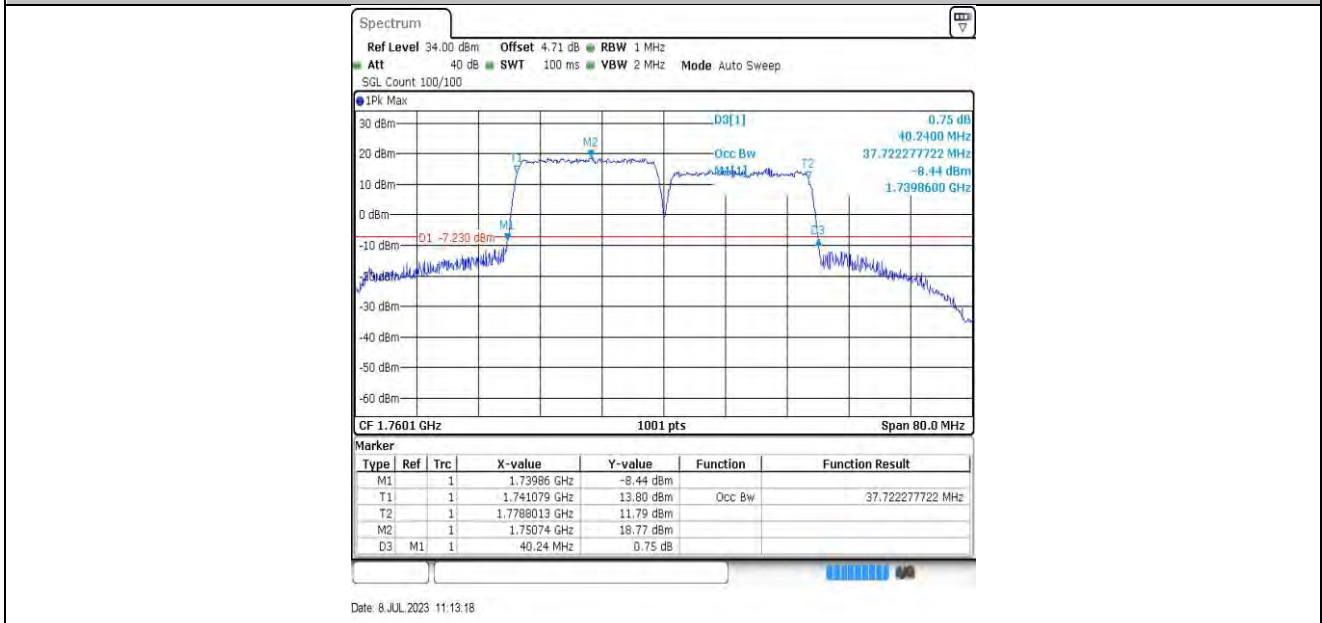


### 20MHz-20MHz-132323-132521 16QAM-16QAM



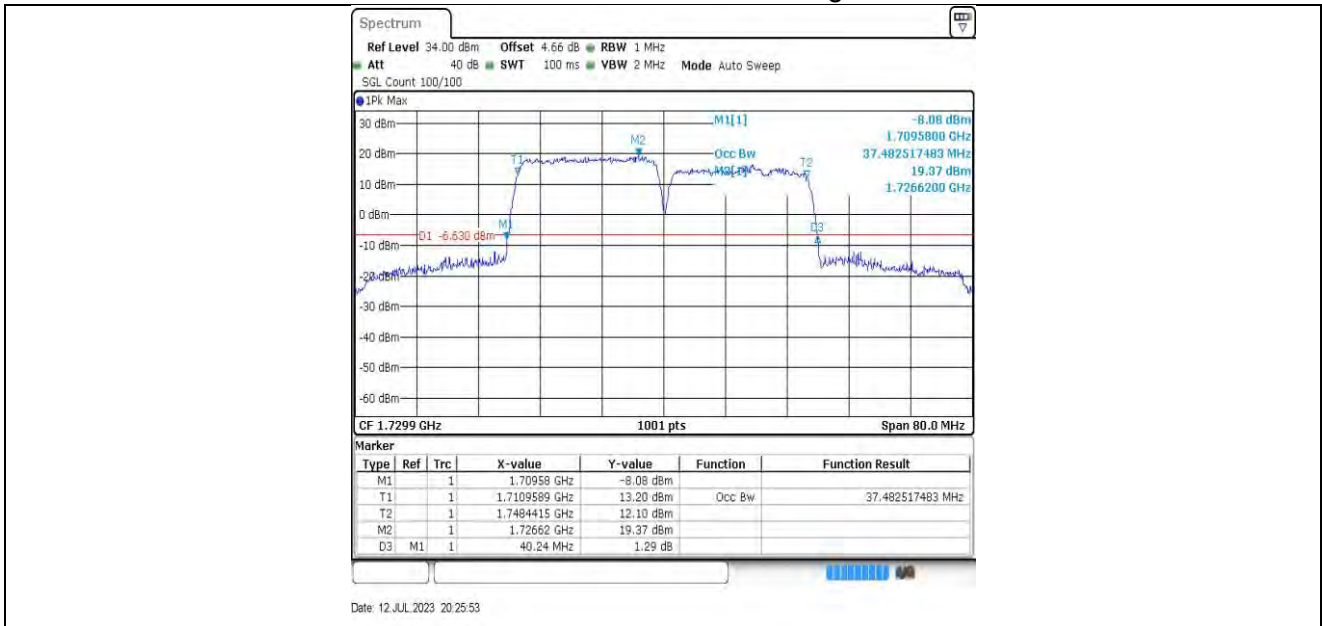
### 20MHz-20MHz-132374-132572 16QAM-16QAM



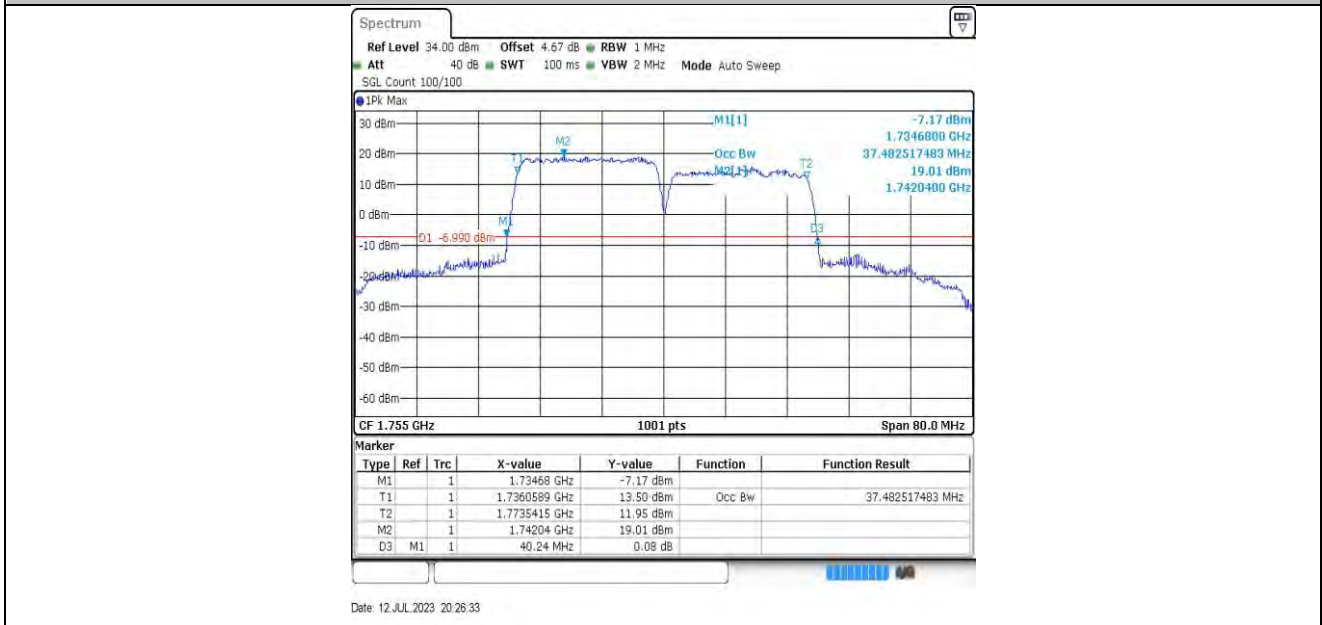
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### 20MHz-20MHz-132072-132270 64QAM-64QAM

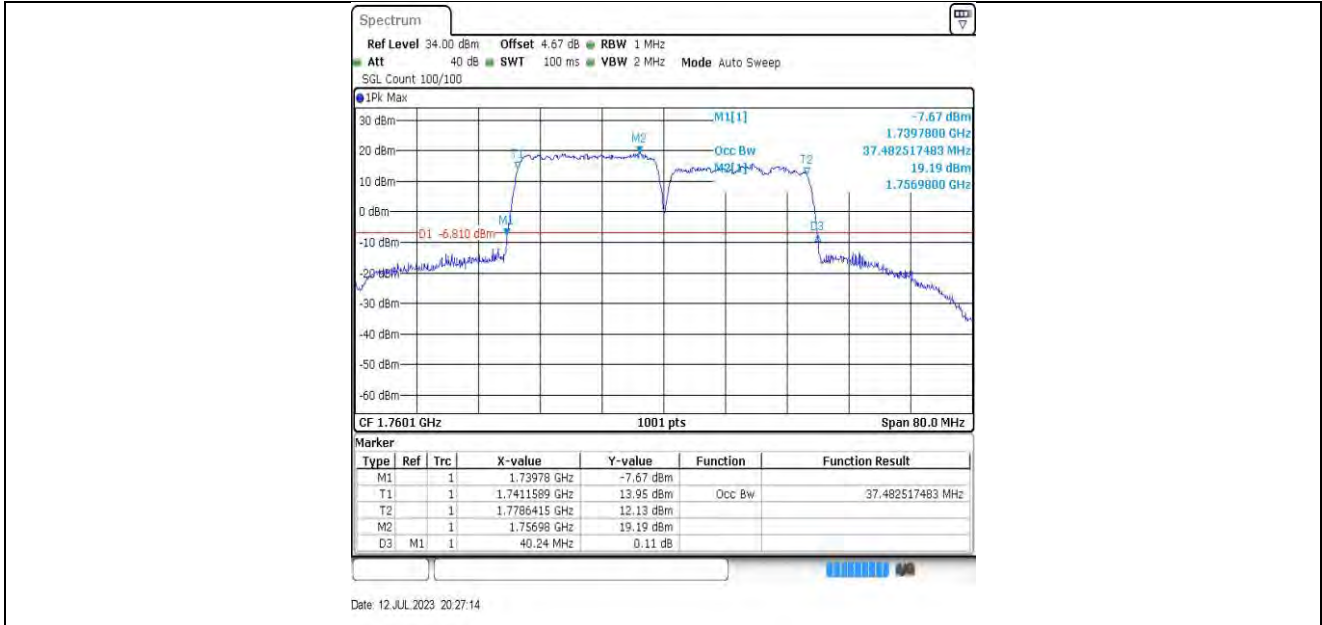


### 20MHz-20MHz-132323-132521 64QAM-64QAM

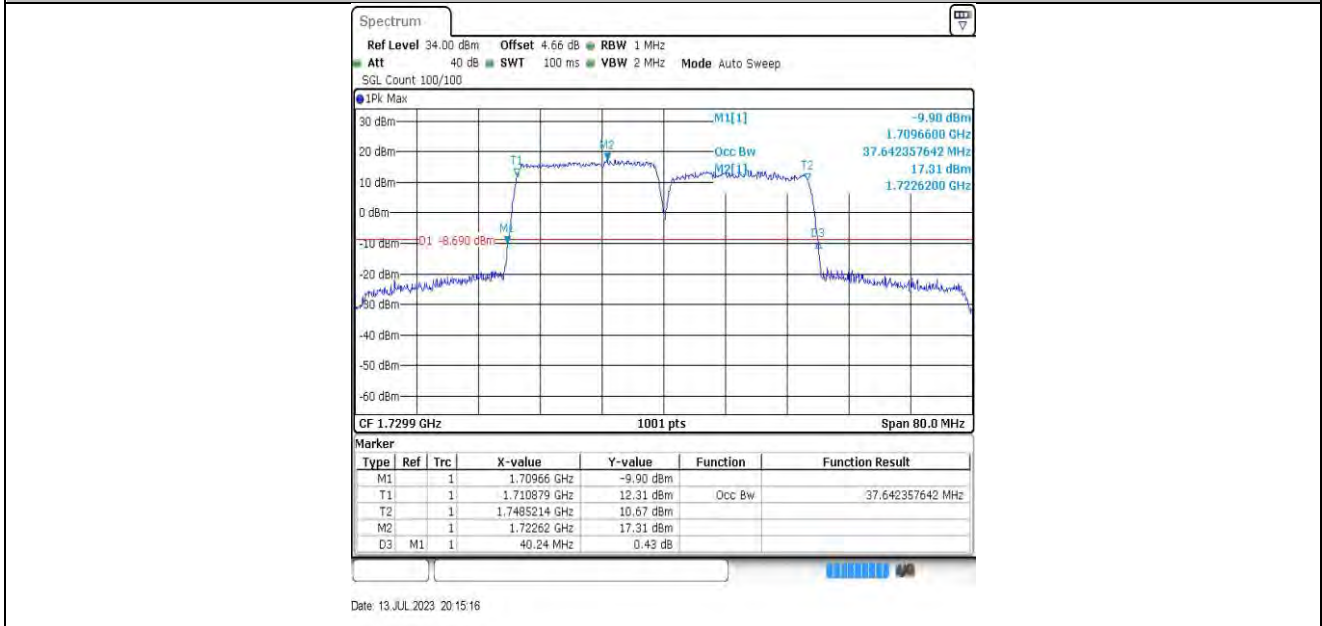


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### 20MHz-20MHz-132374-132572 64QAM-64QAM



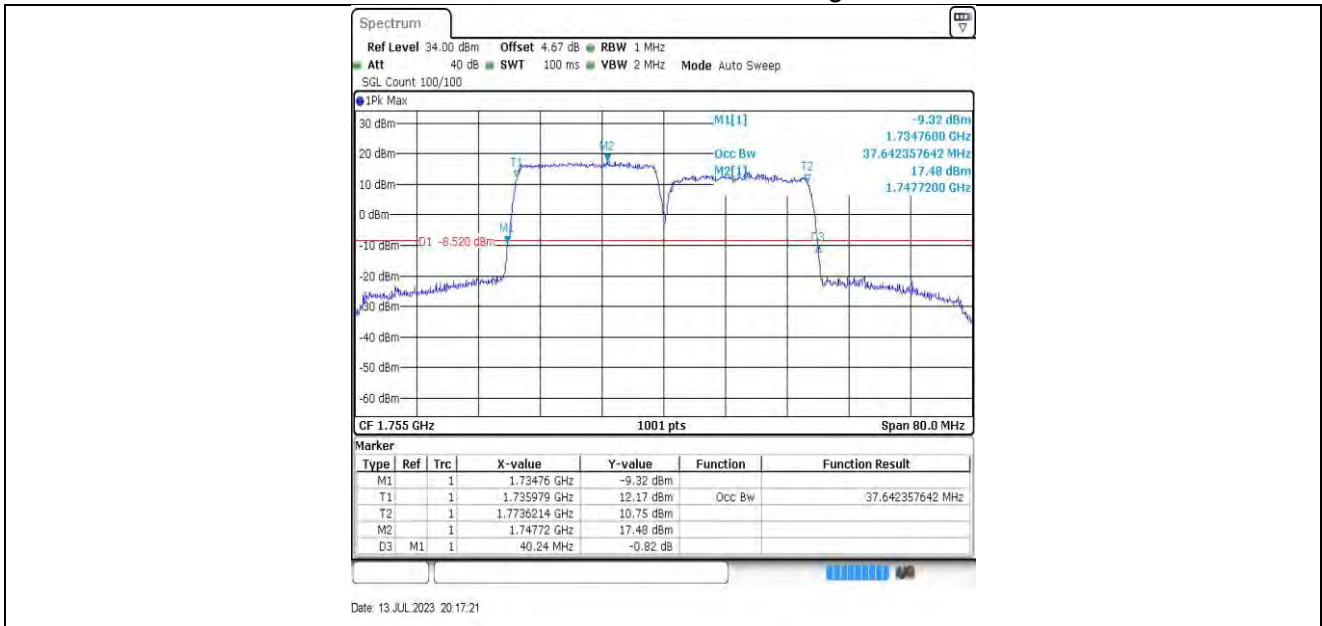
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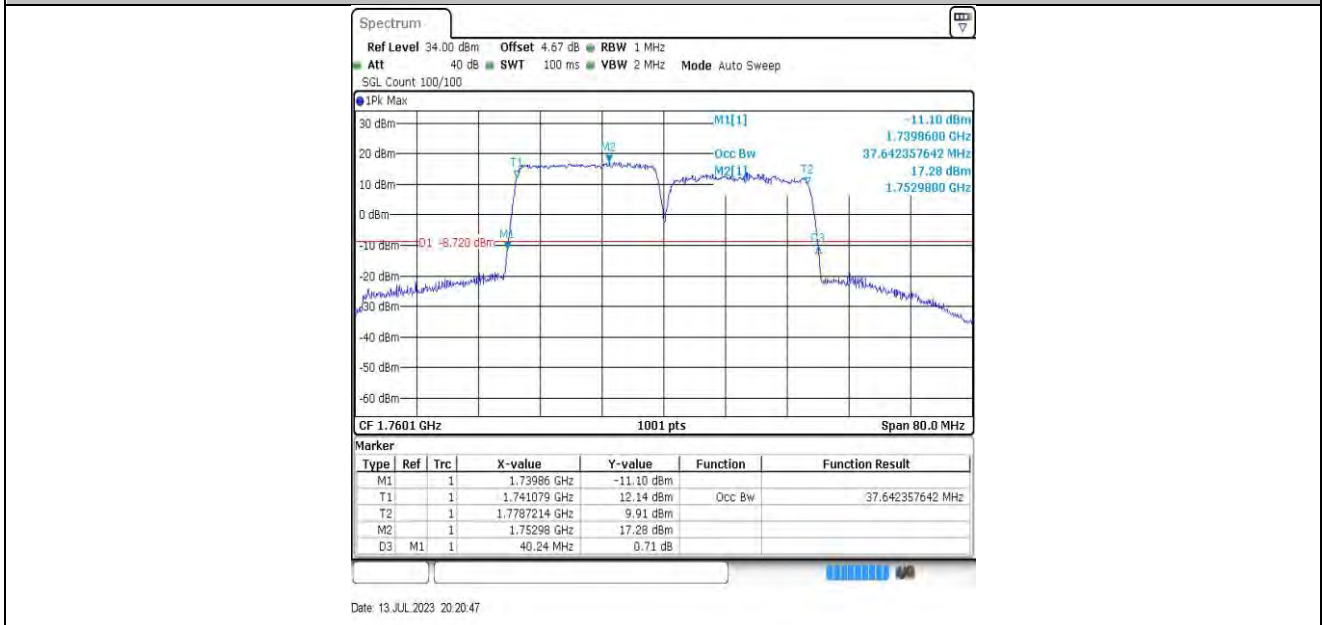
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20MHz-20MHz-132323-132521 256QAM-256QAM



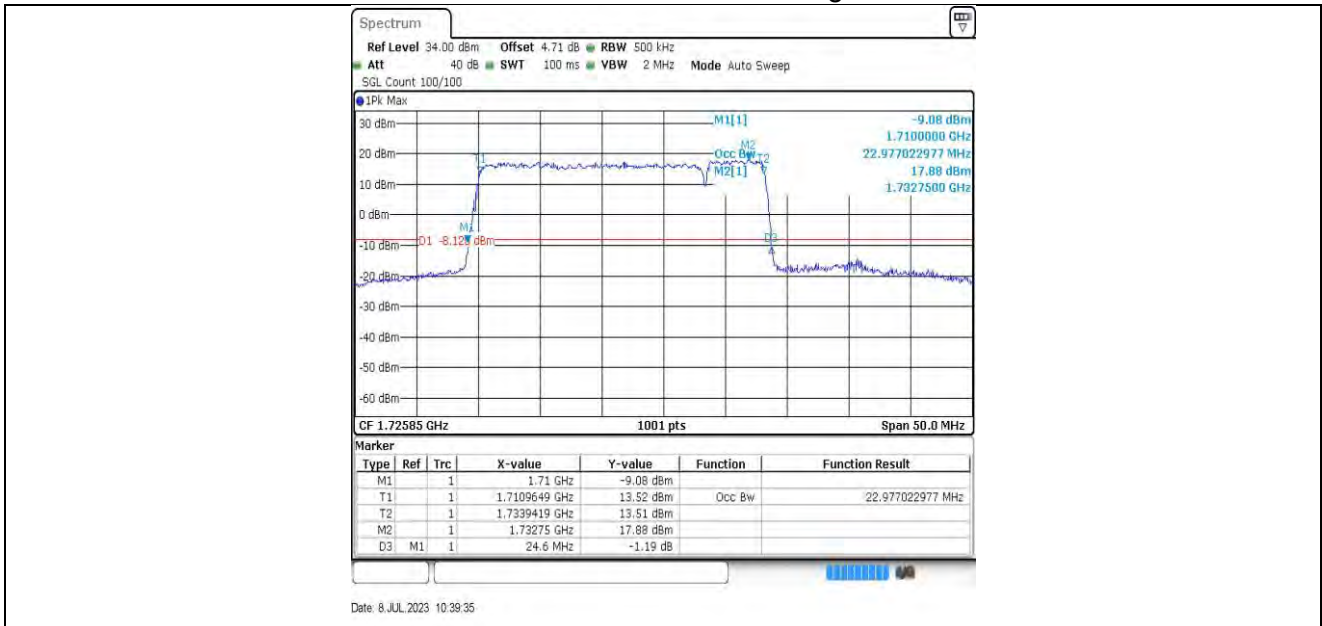
20MHz-20MHz-132374-132572 256QAM-256QAM



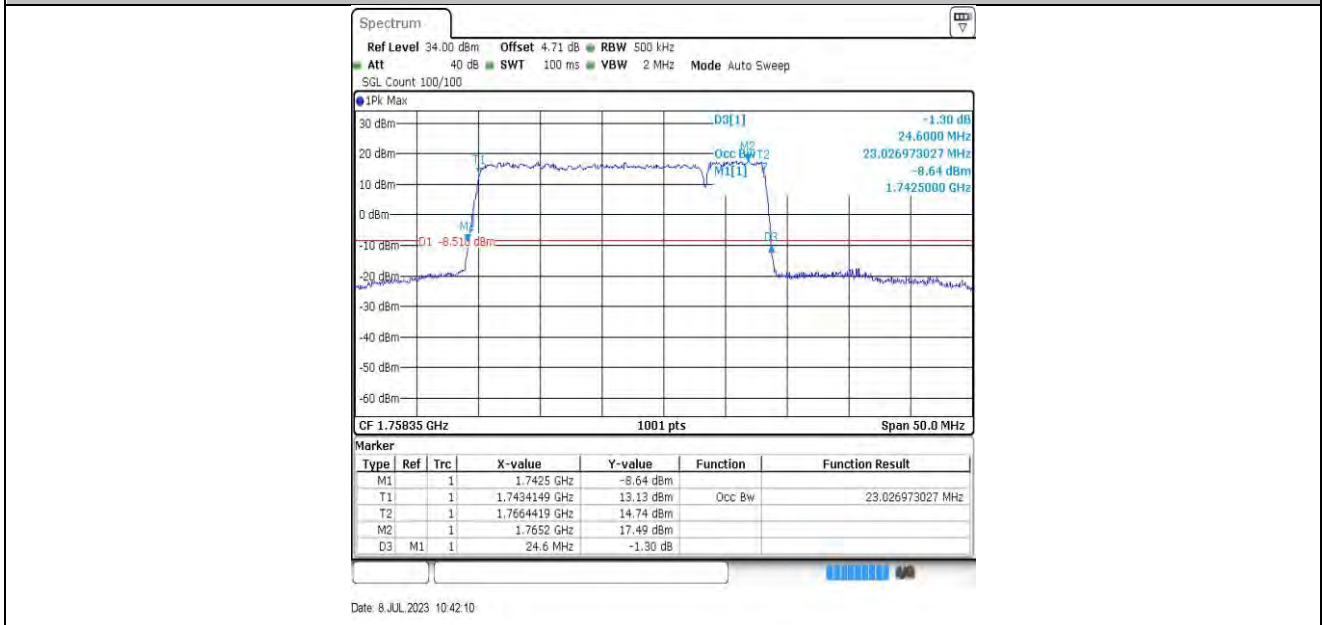
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### 20MHz-5MHz-132072-132189 QPSK-QPSK



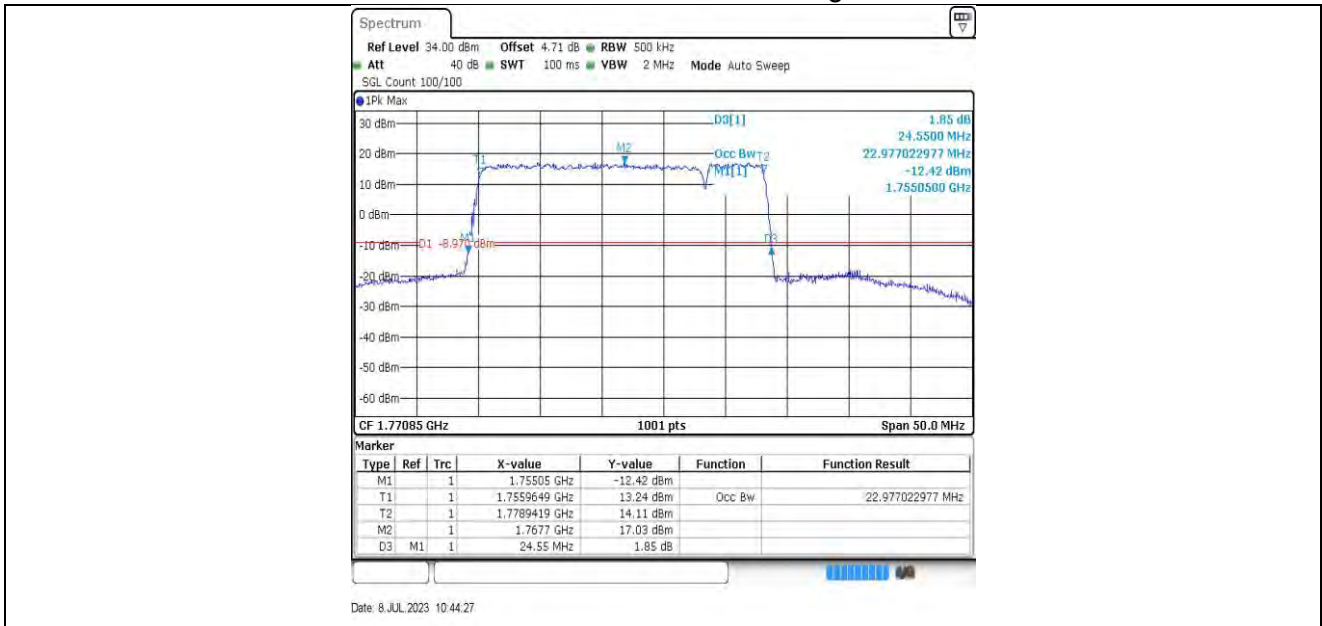
### 20MHz-5MHz-132397-132514 QPSK-QPSK



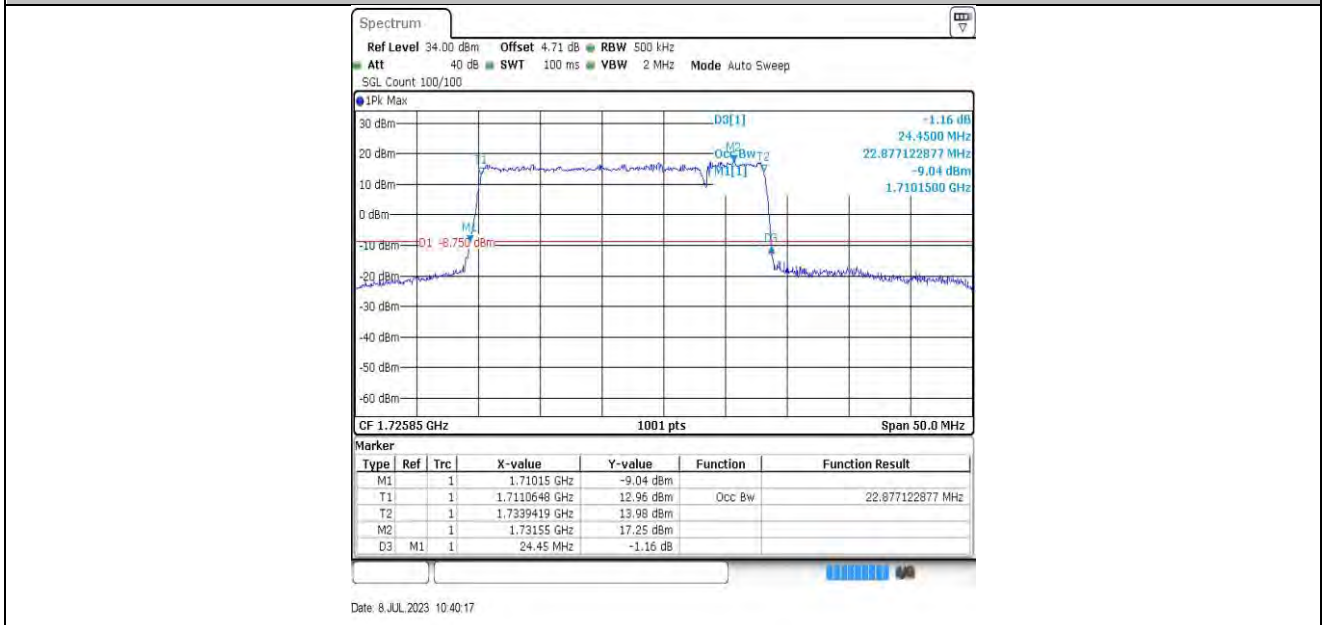
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### 20MHz-5MHz-132522-132639 QPSK-QPSK



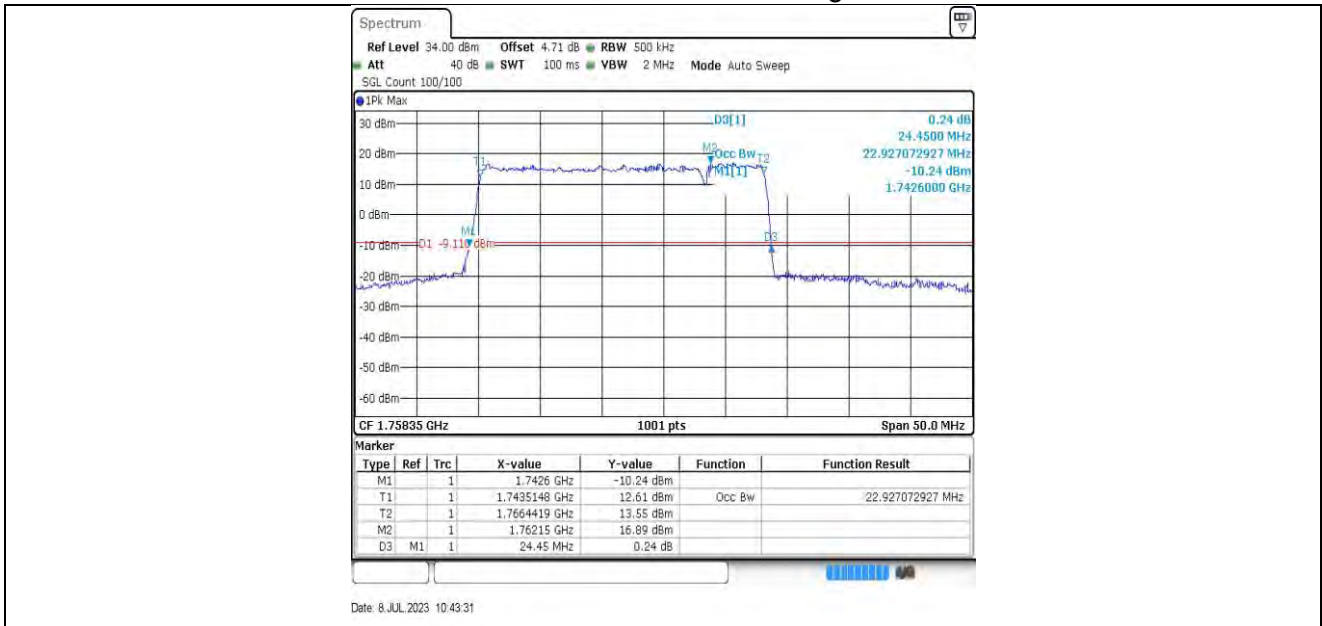
### 20MHz-5MHz-132072-132189 16QAM-16QAM



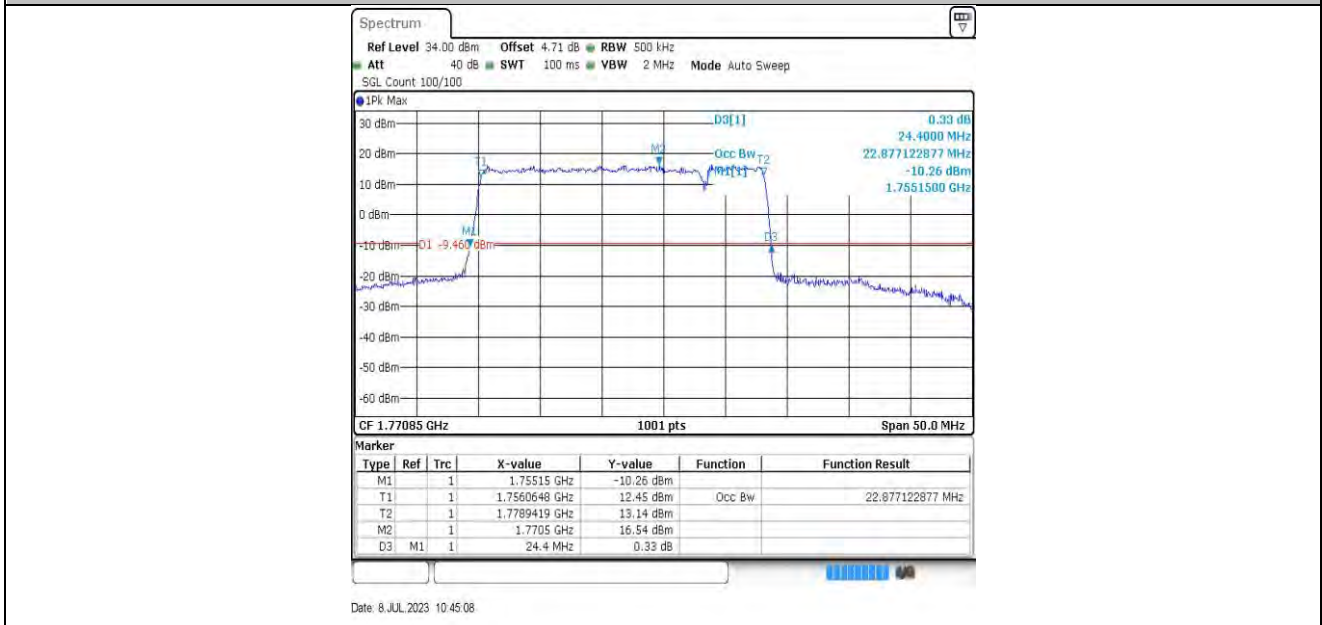
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20MHz-5MHz-132397-132514 16QAM-16QAM



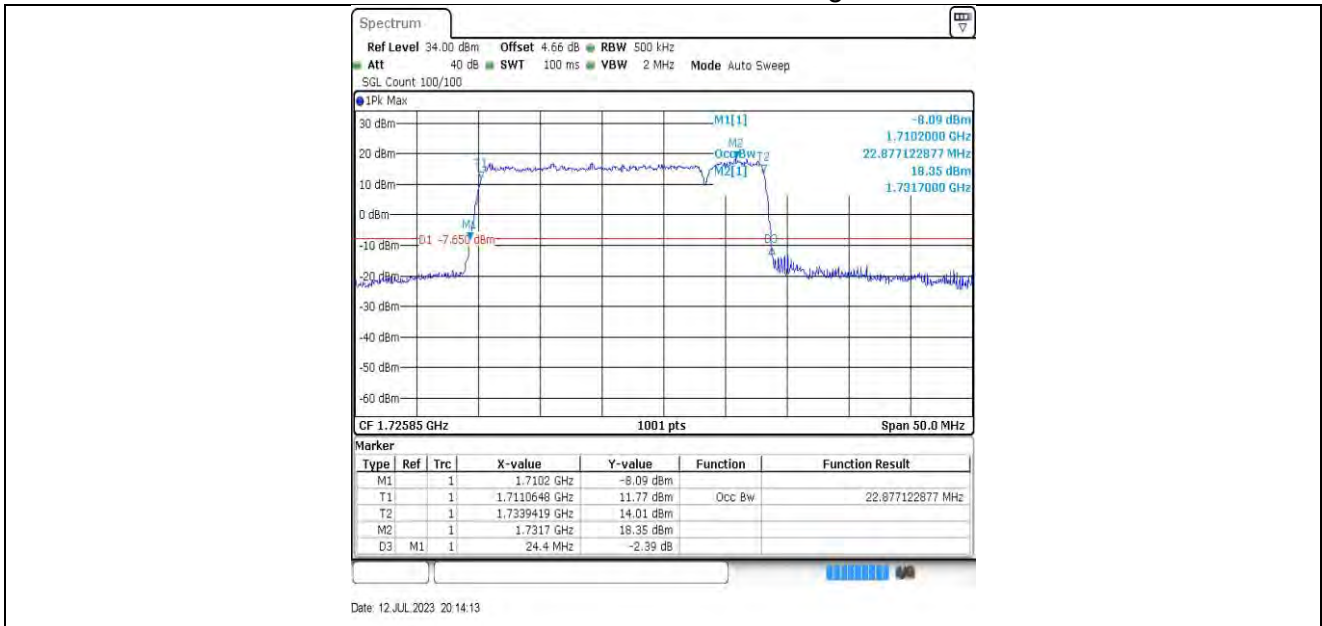
20MHz-5MHz-132522-132639 16QAM-16QAM



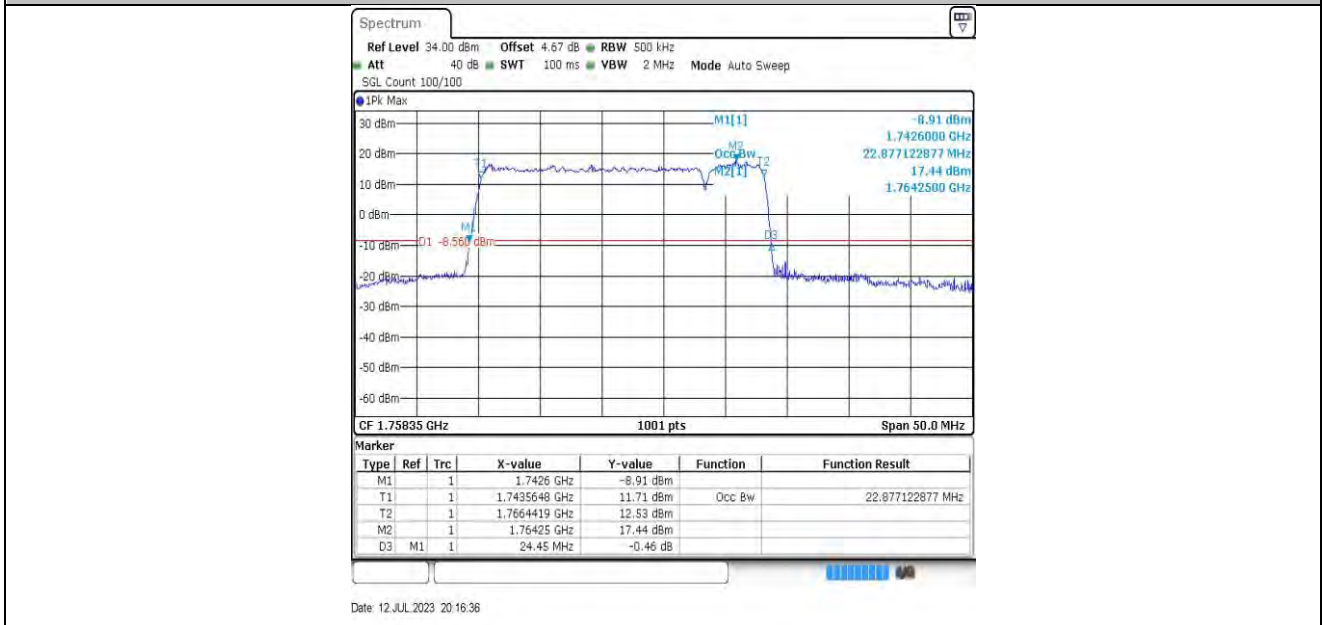
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20MHz-5MHz-132072-132189 64QAM-64QAM



20MHz-5MHz-132397-132514 64QAM-64QAM

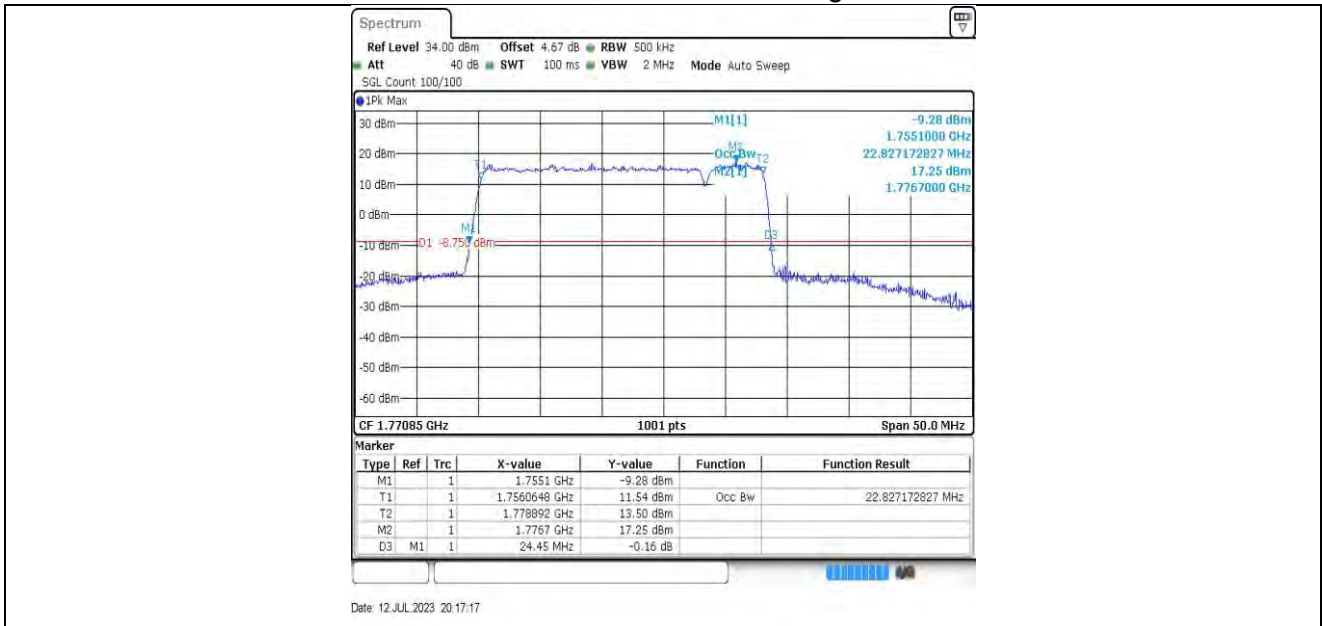


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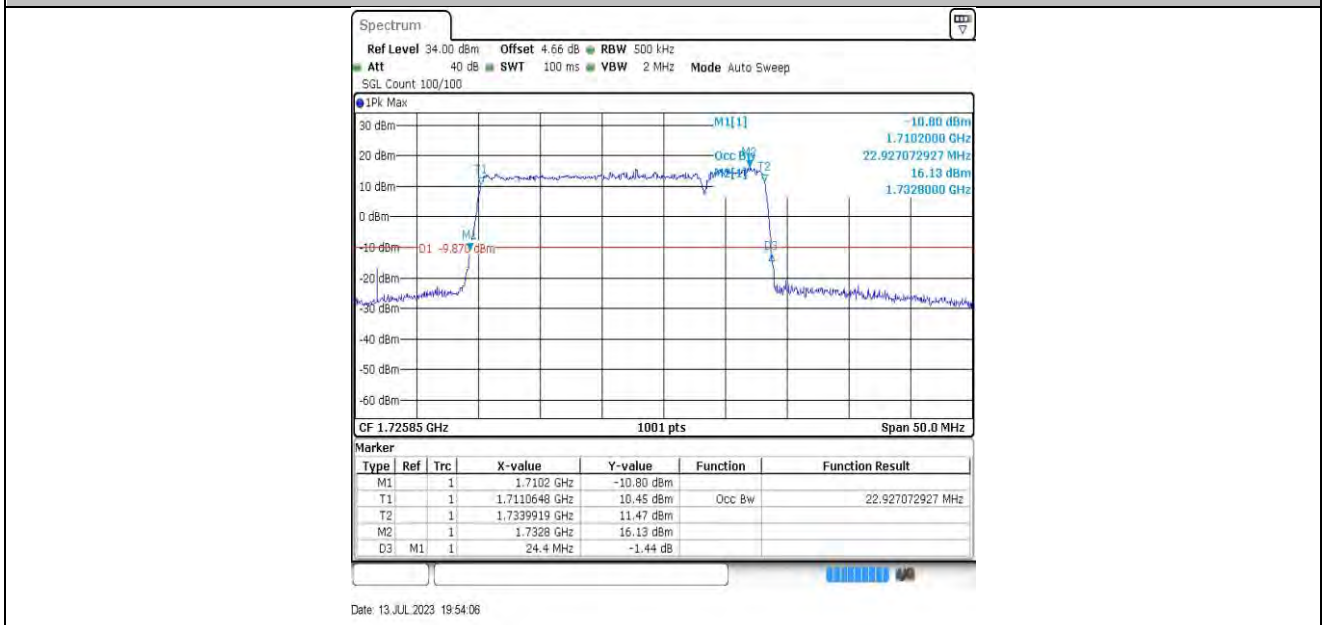
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### 20MHz-5MHz-132522-132639 64QAM-64QAM



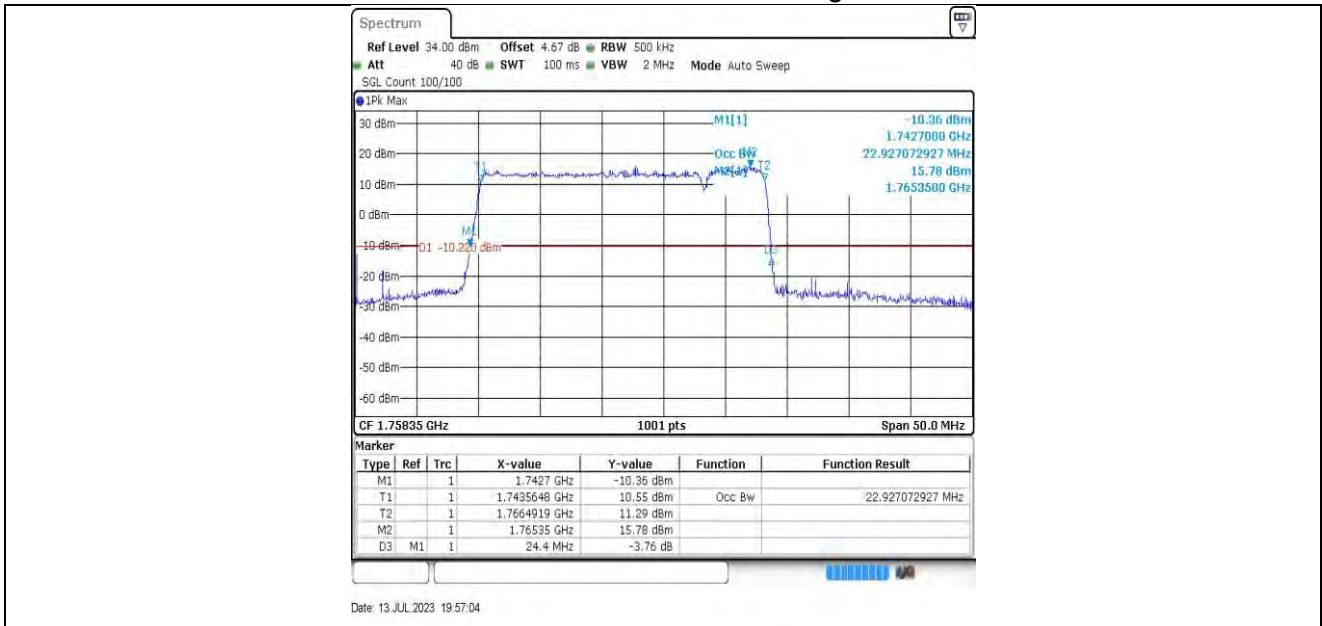
### 20MHz-5MHz-132072-132189 256QAM-256QAM



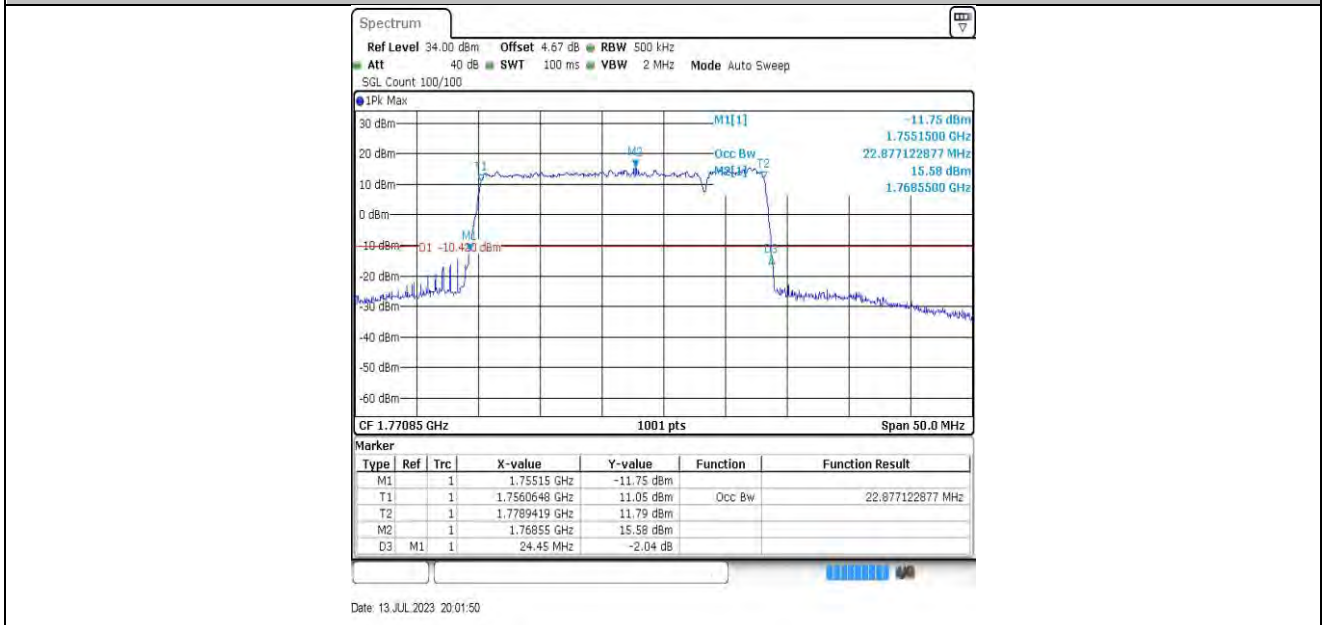
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### 20MHz-5MHz-132397-132514 256QAM-256QAM

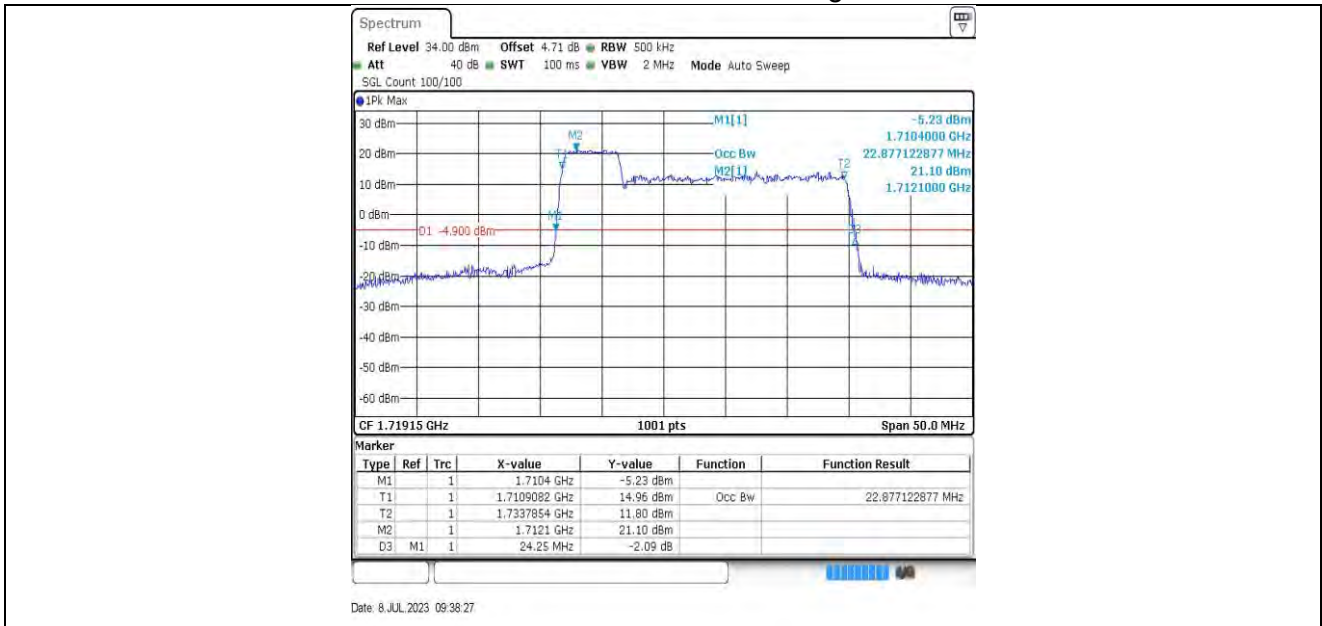


### 20MHz-5MHz-132522-132639 256QAM-256QAM

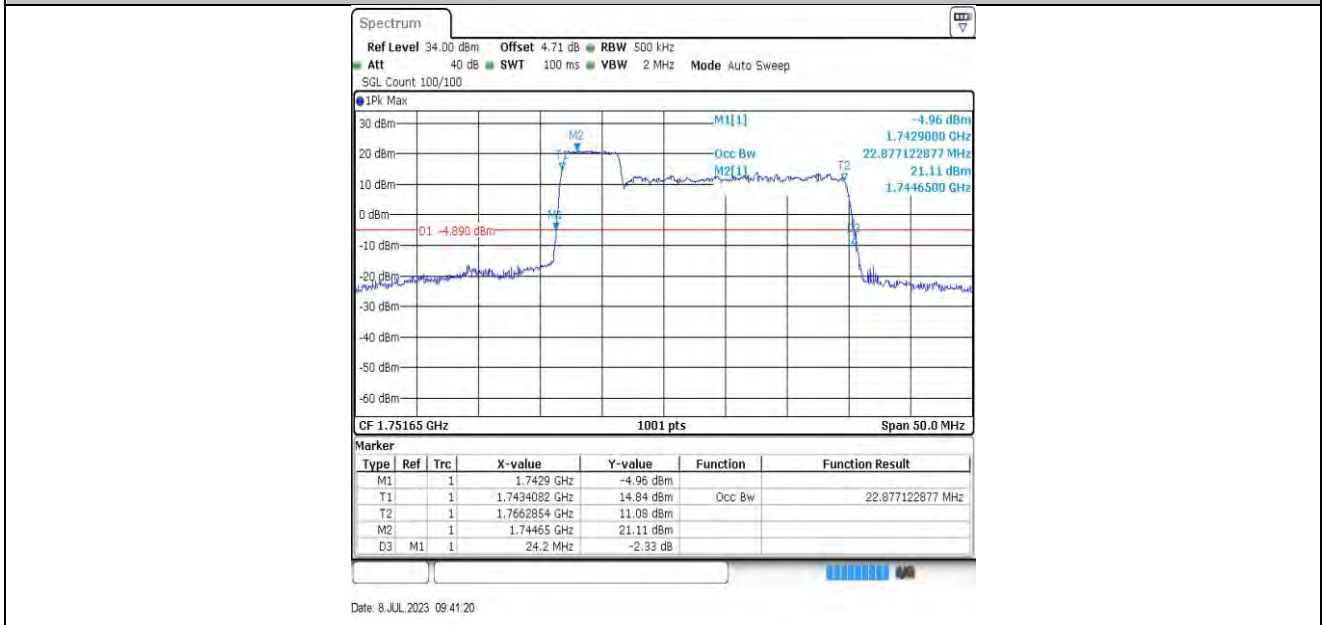


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### 5MHz-20MHz-132005-132122 QPSK-QPSK



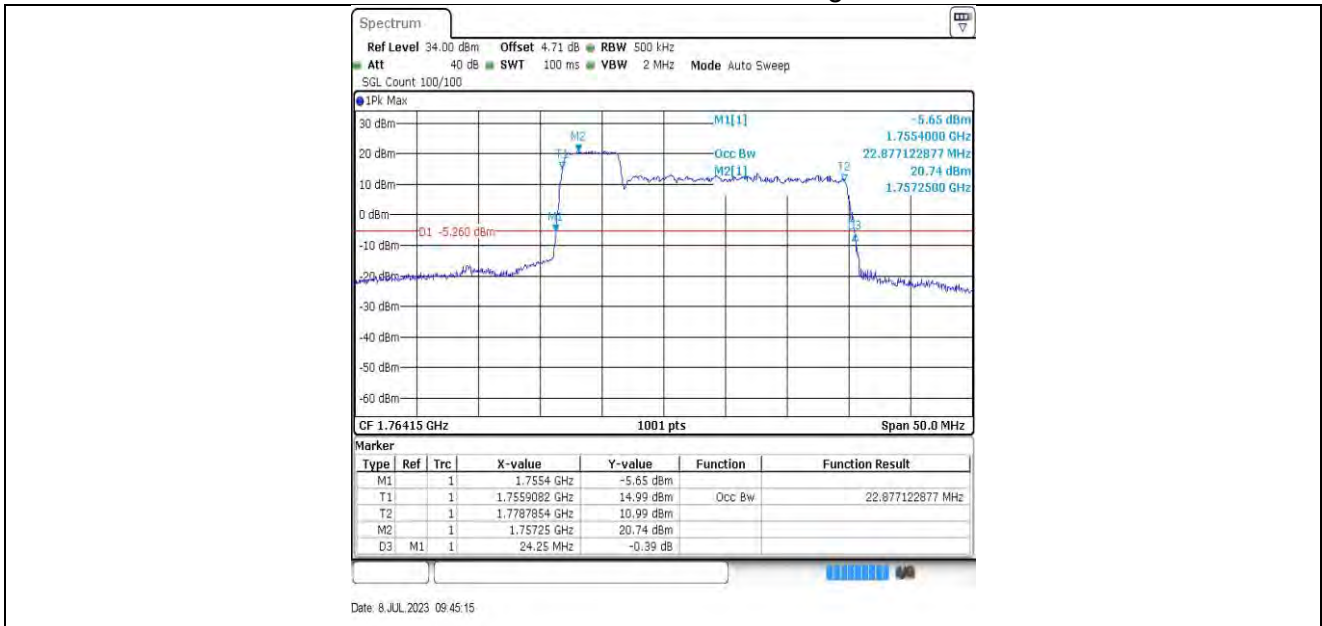
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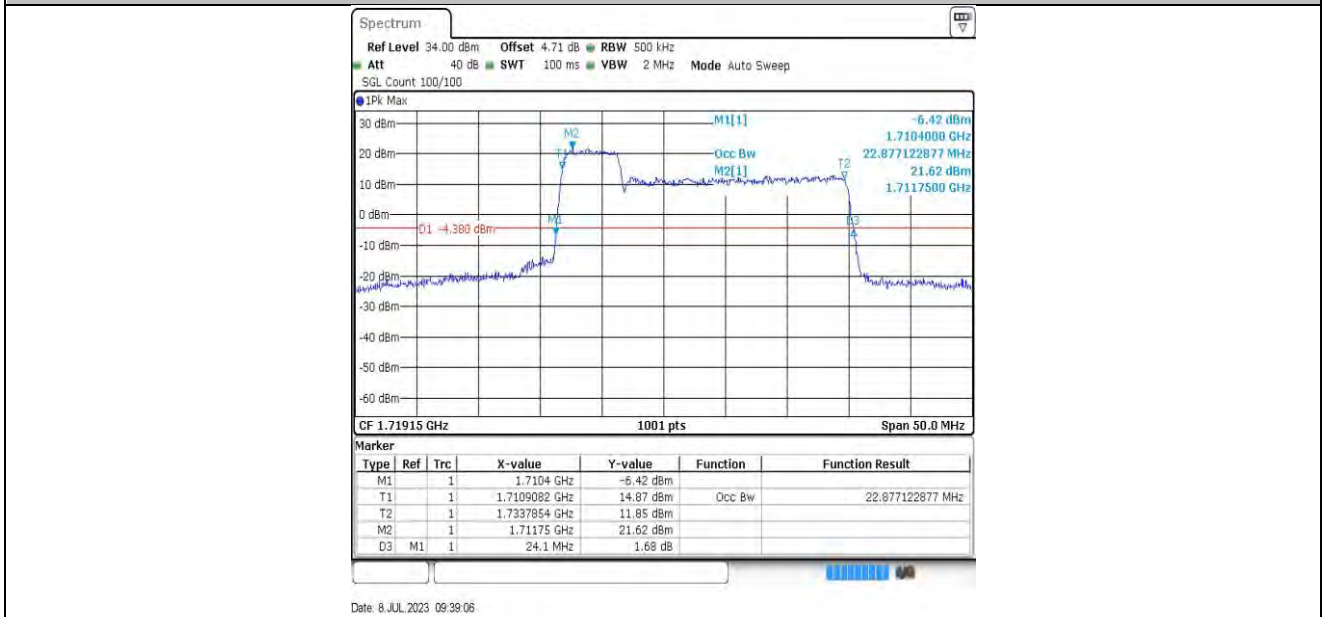
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### 5MHz-20MHz-132455-132572 QPSK-QPSK



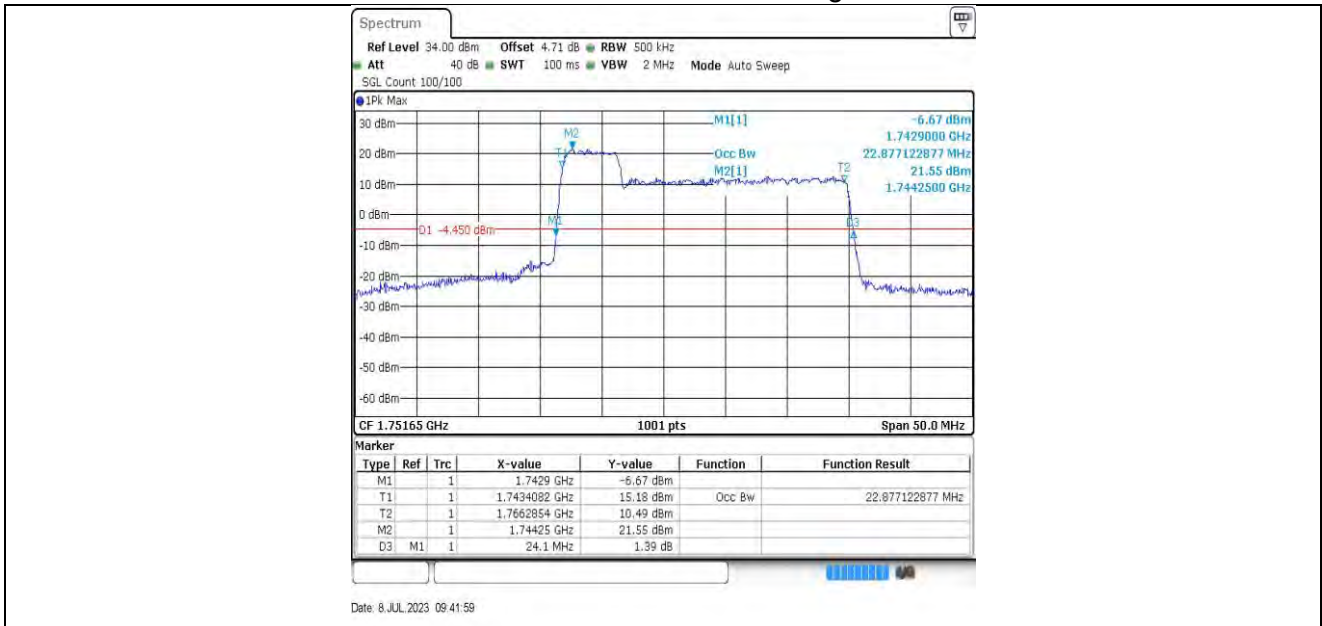
### 5MHz-20MHz-132005-132122 16QAM-16QAM



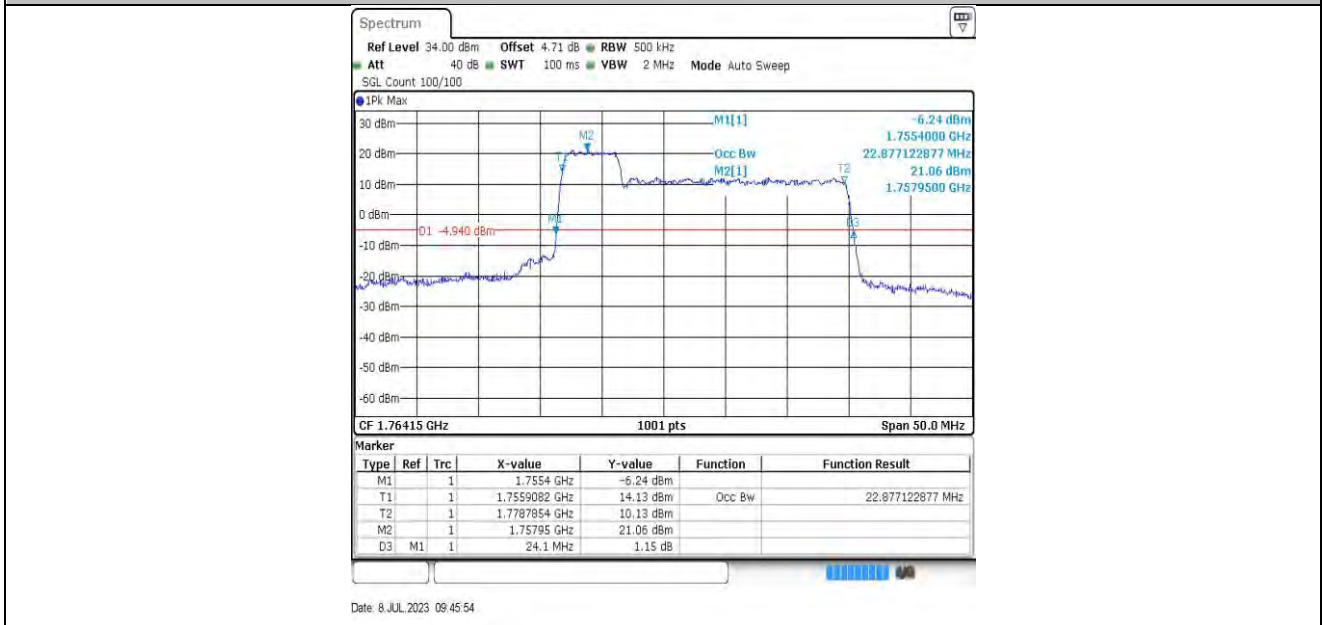
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### 5MHz-20MHz-132330-132447 16QAM-16QAM



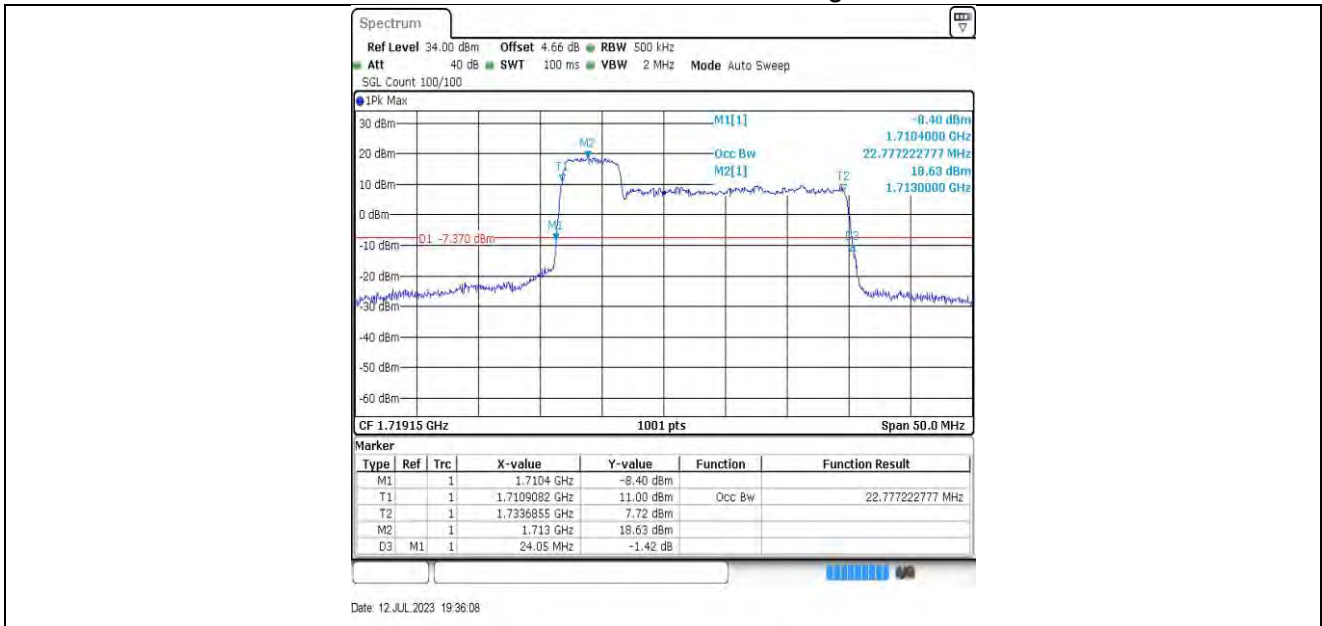
### 5MHz-20MHz-132455-132572 16QAM-16QAM



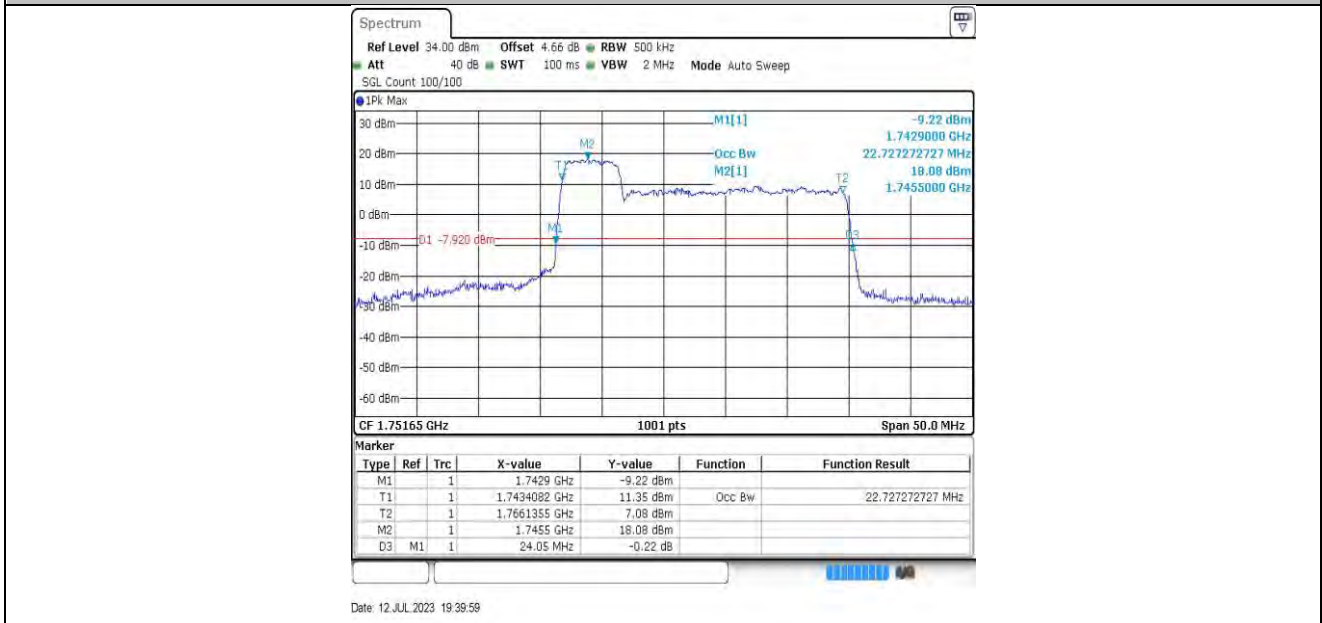
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5MHz-20MHz-132005-132122 64QAM-64QAM



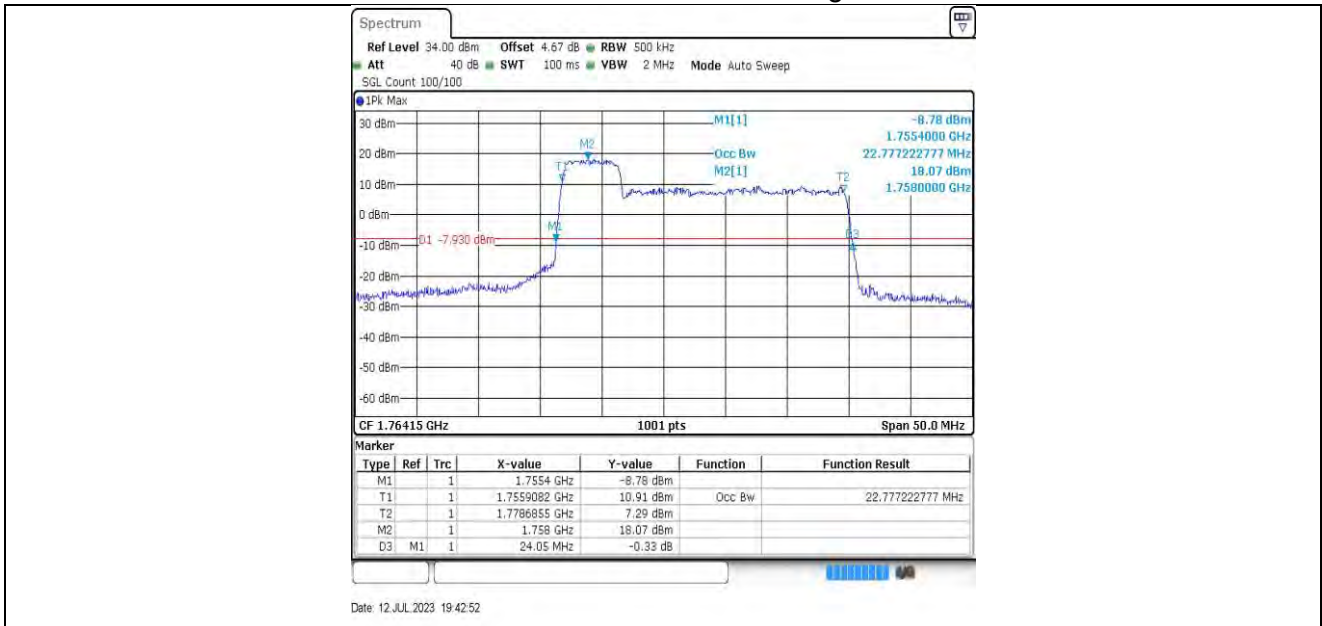
5MHz-20MHz-132330-132447 64QAM-64QAM



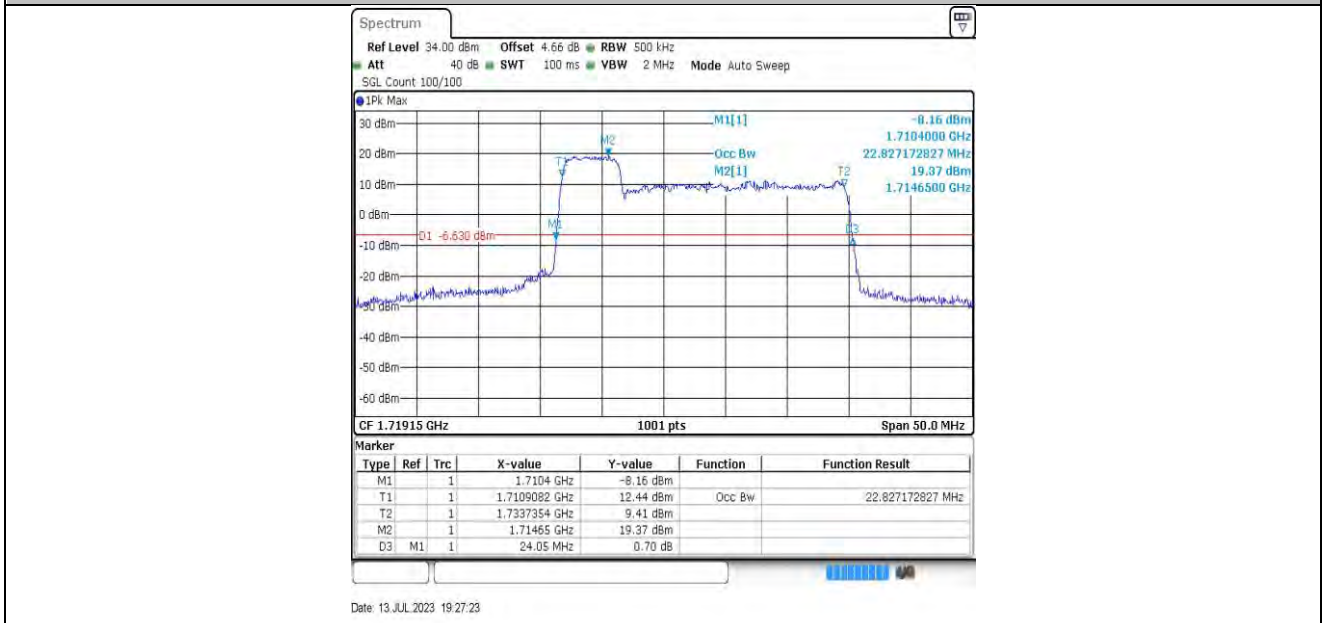
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### 5MHz-20MHz-132455-132572 64QAM-64QAM



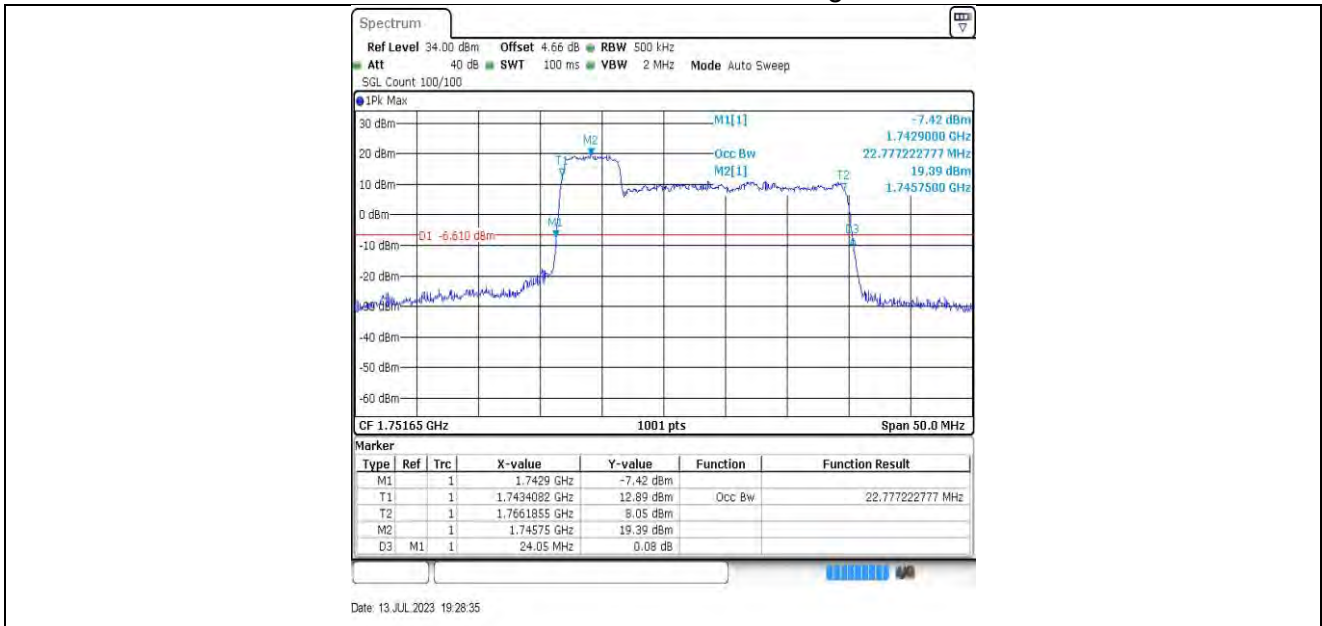
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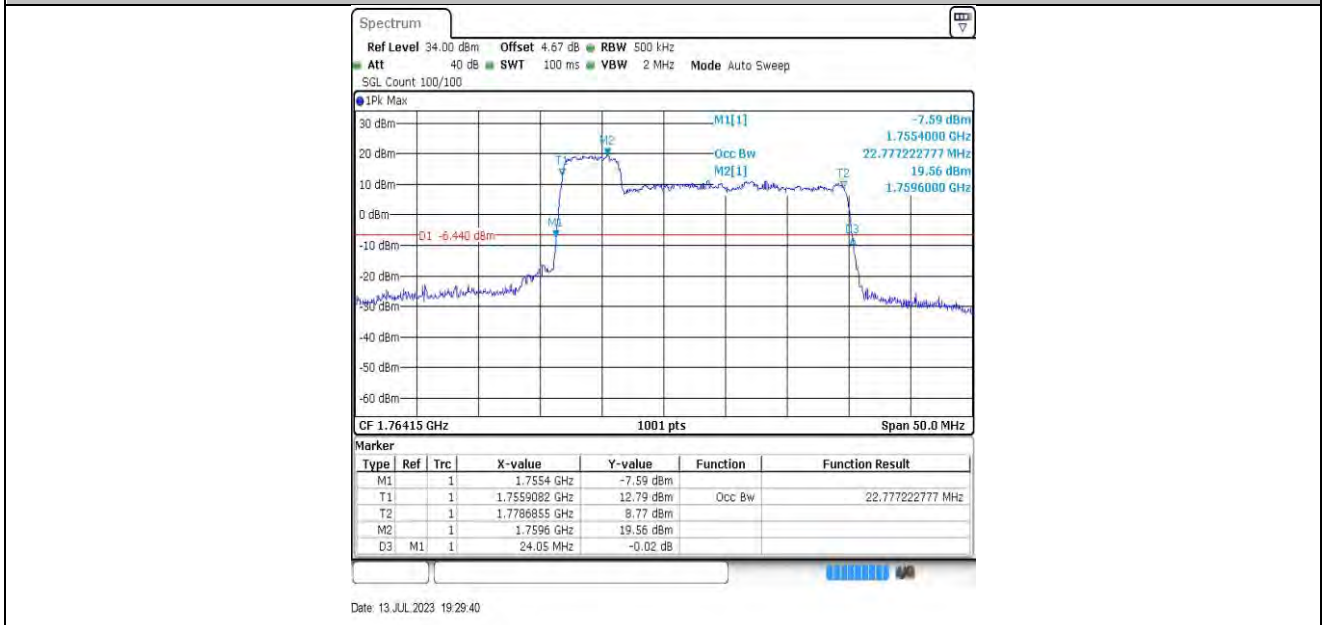
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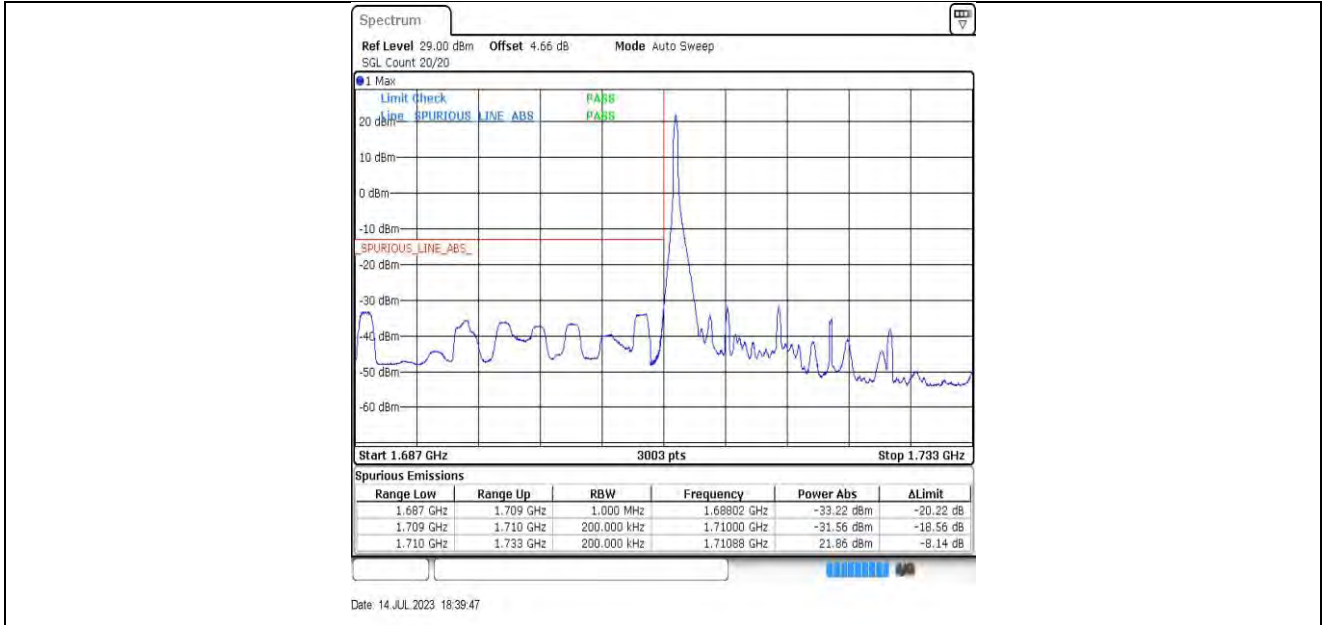
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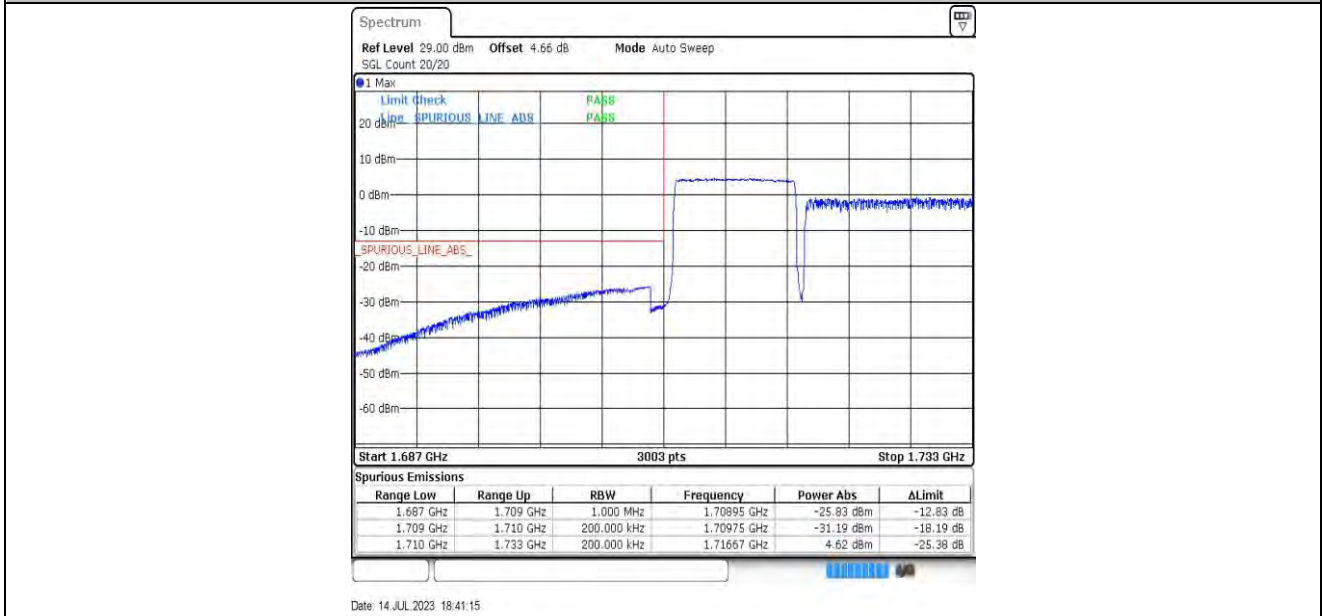
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### Band Edge Test Graphs



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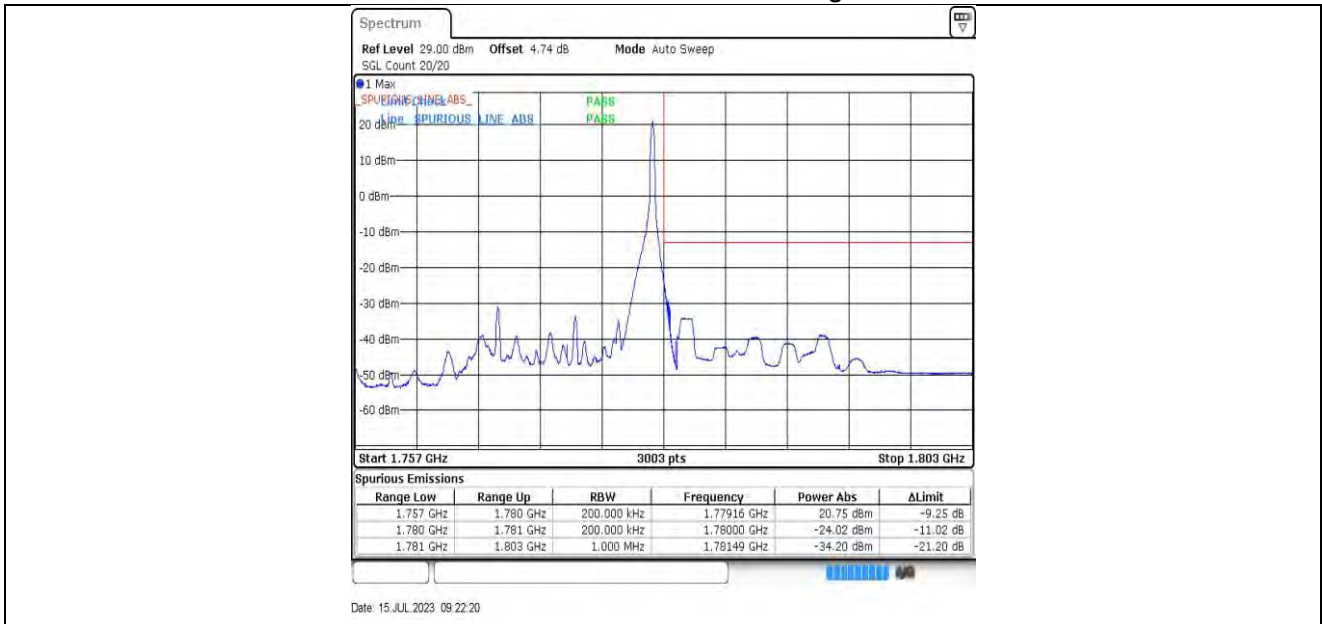


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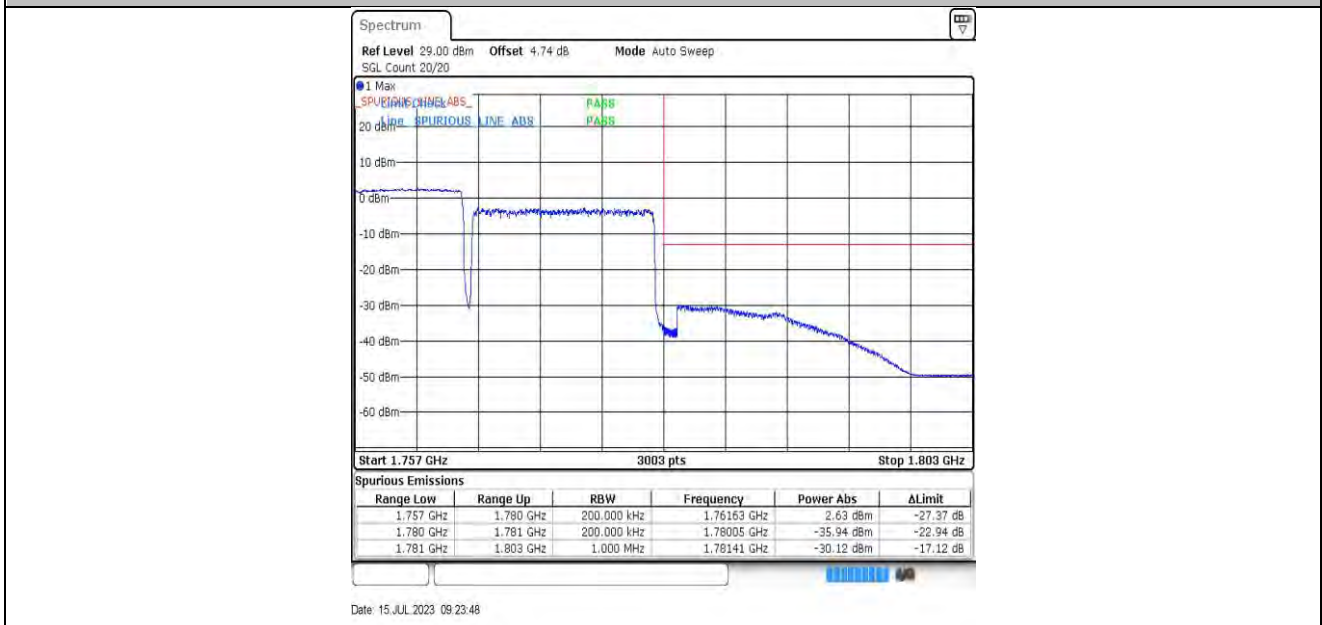


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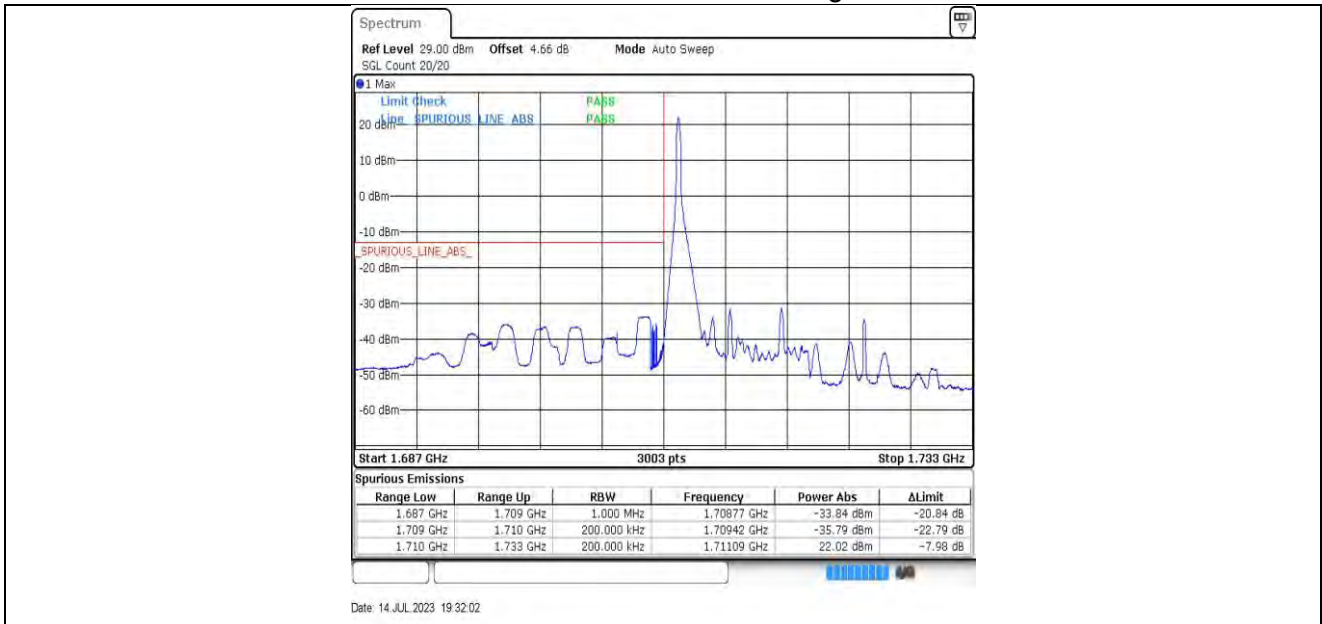
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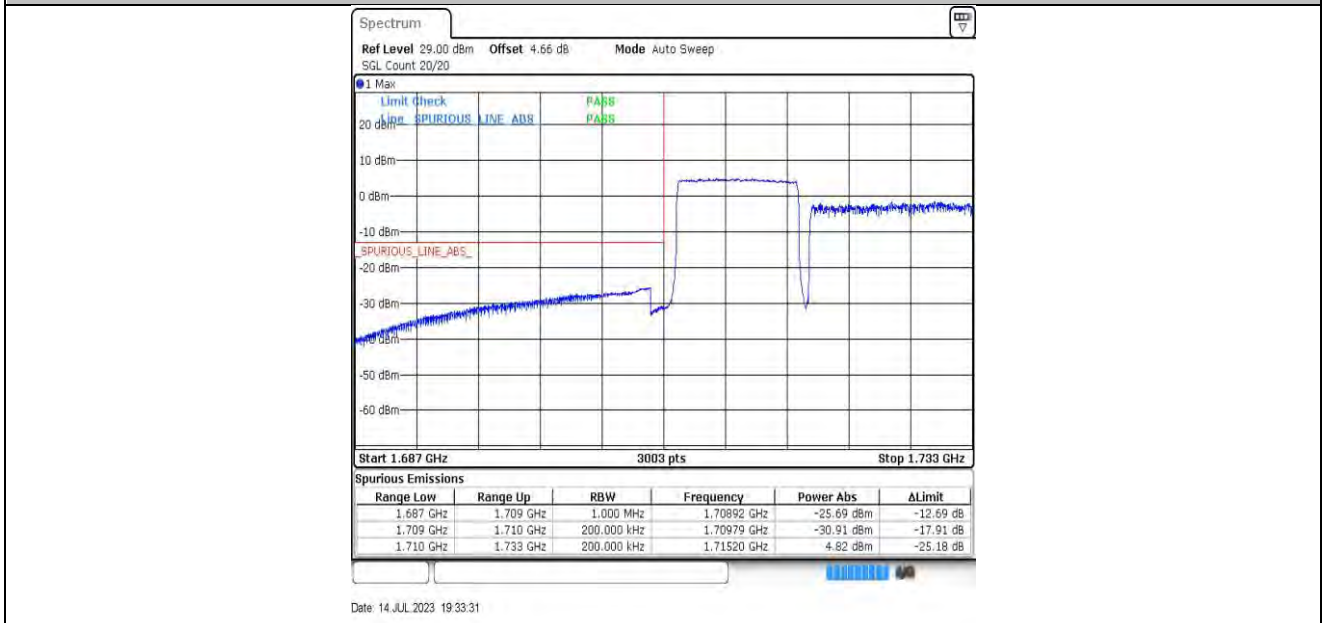
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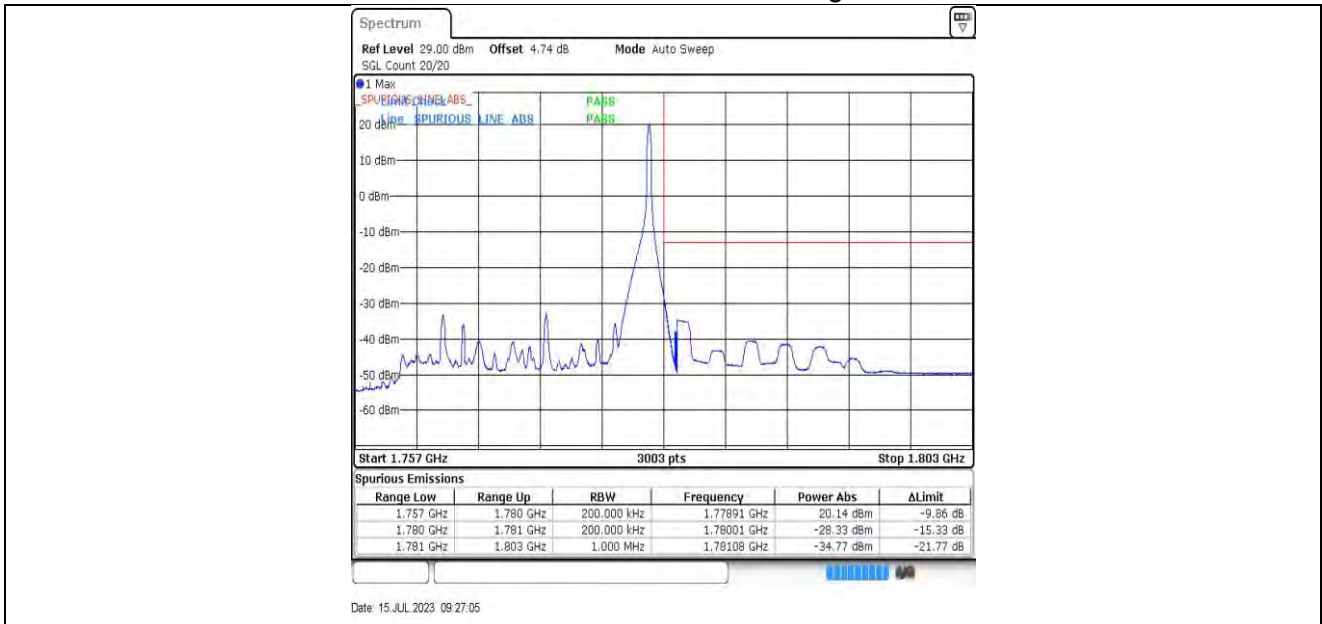
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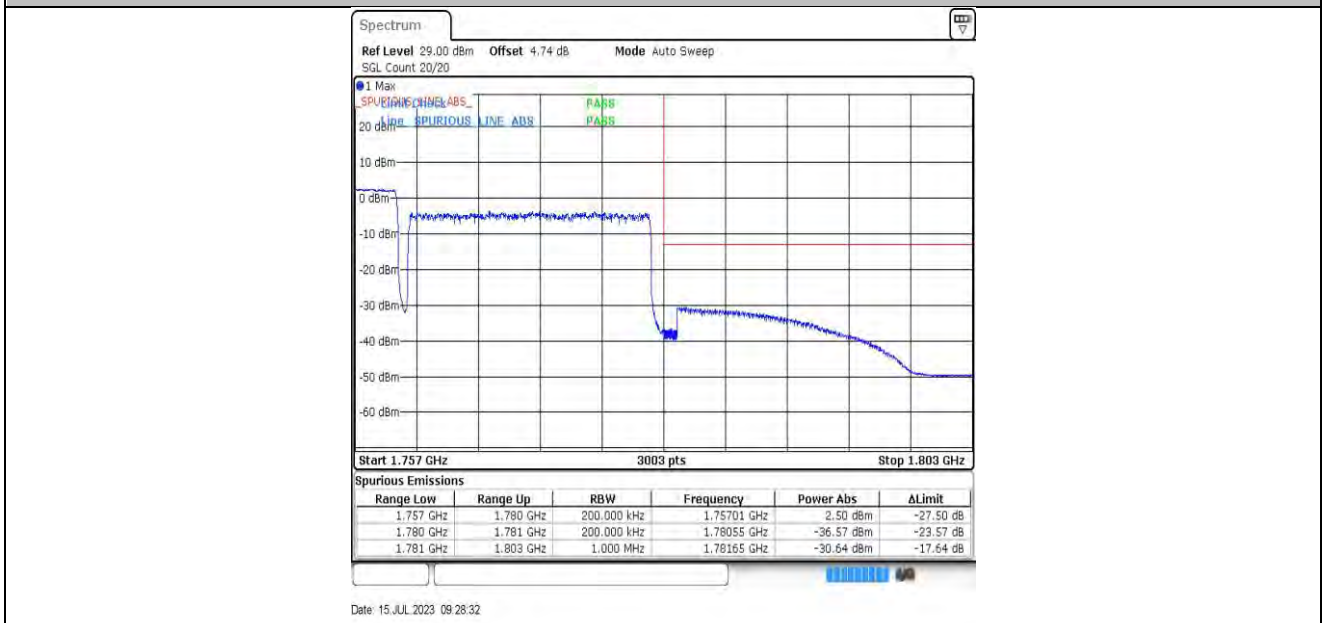
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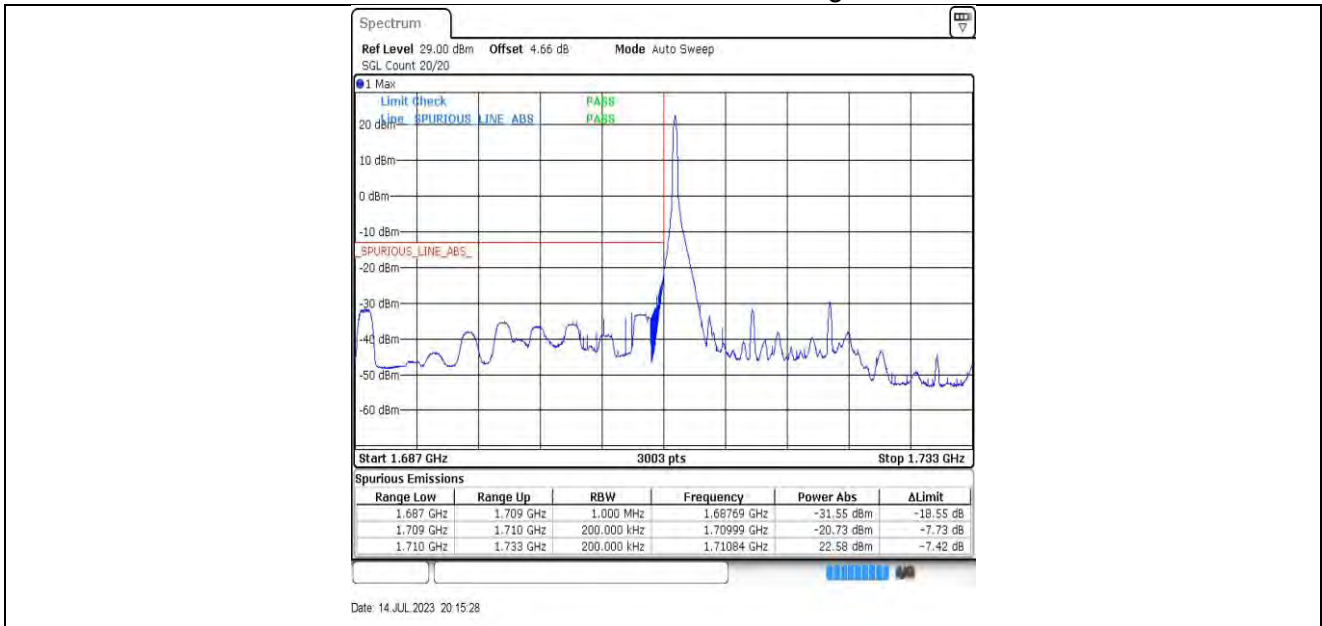
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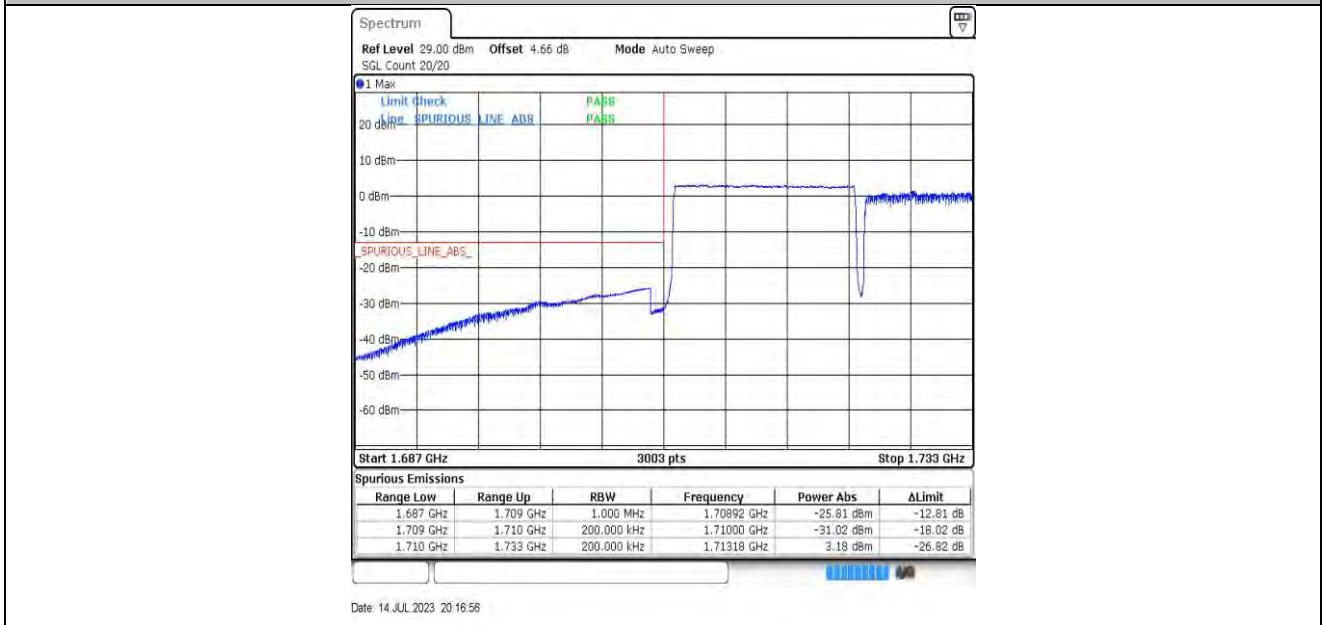
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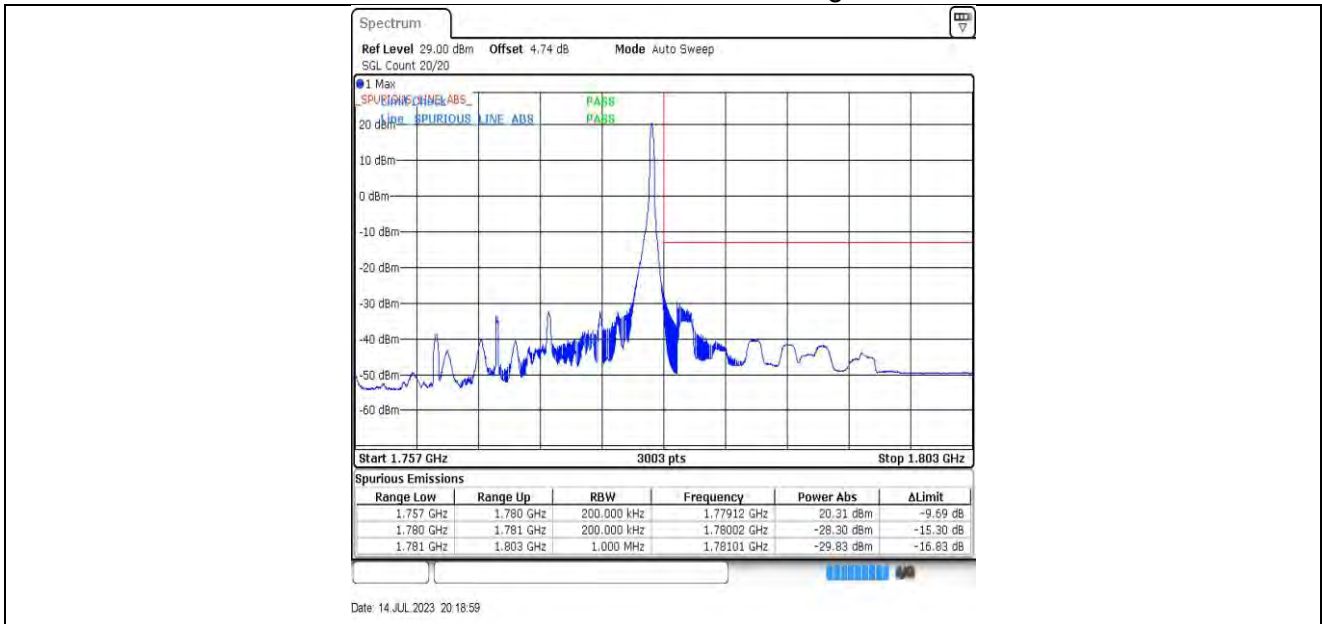
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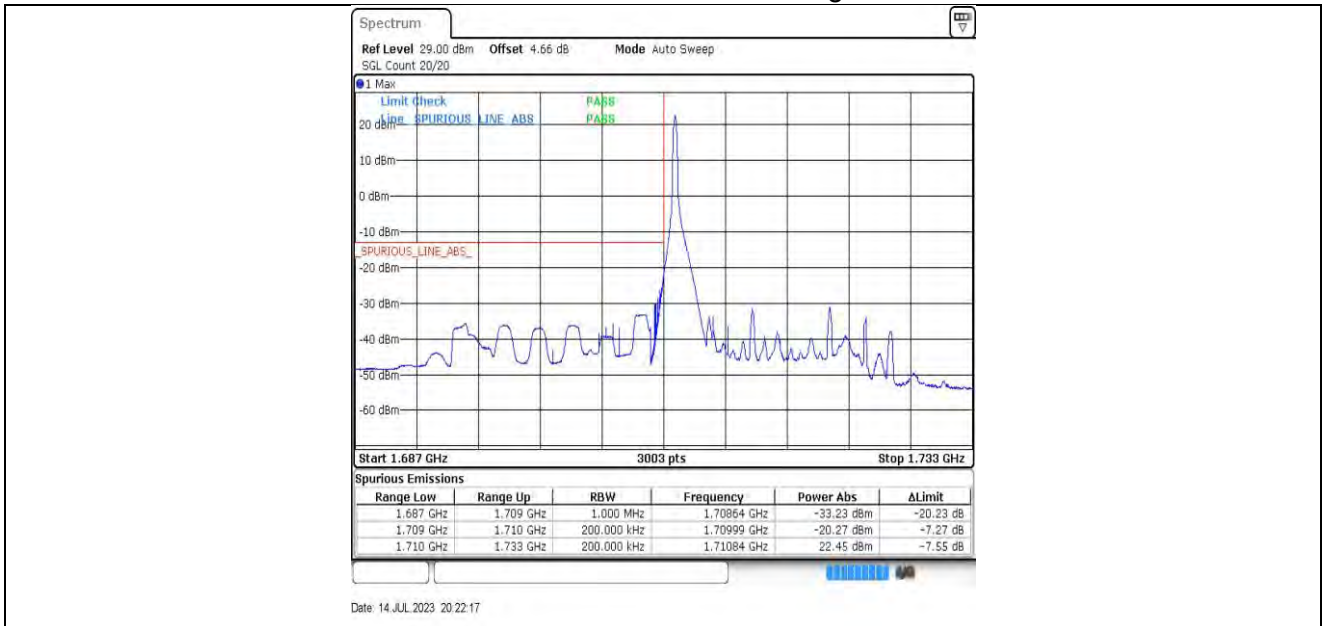
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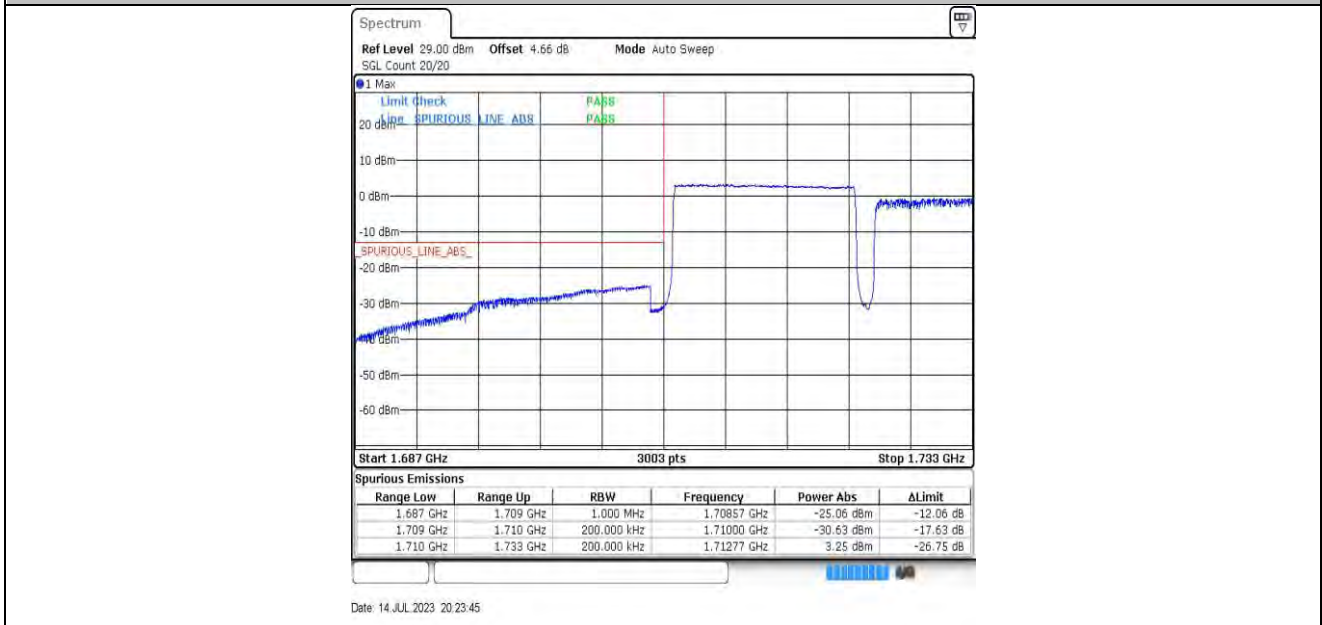
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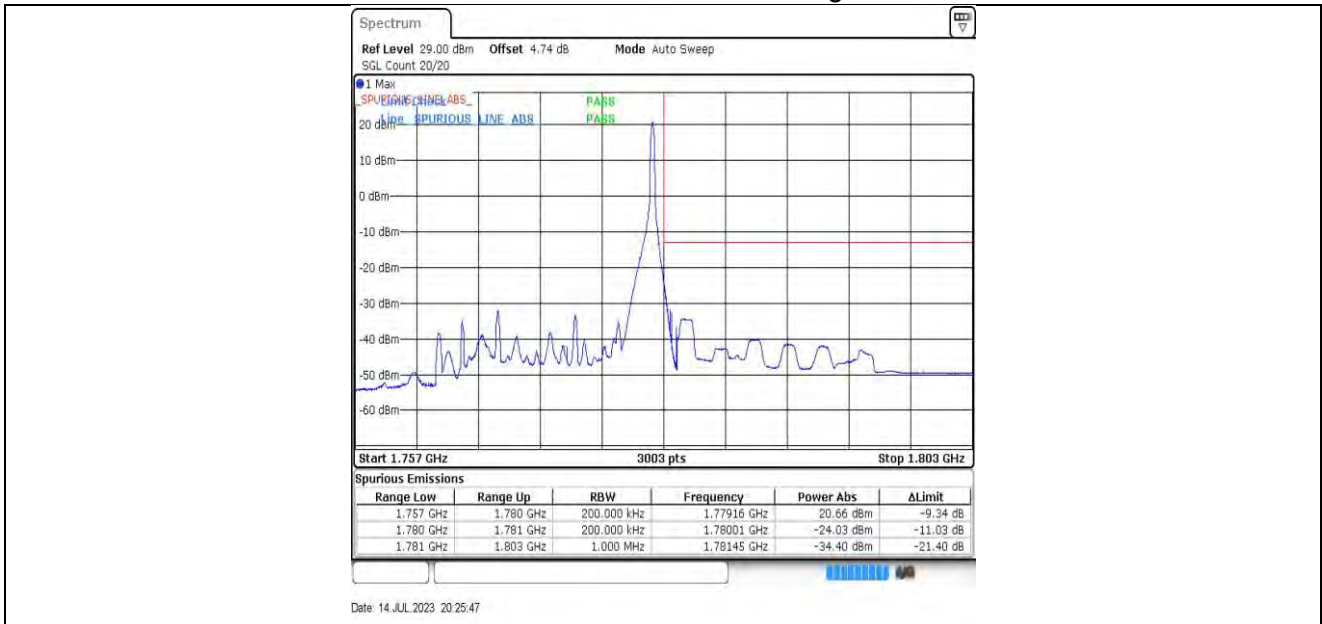
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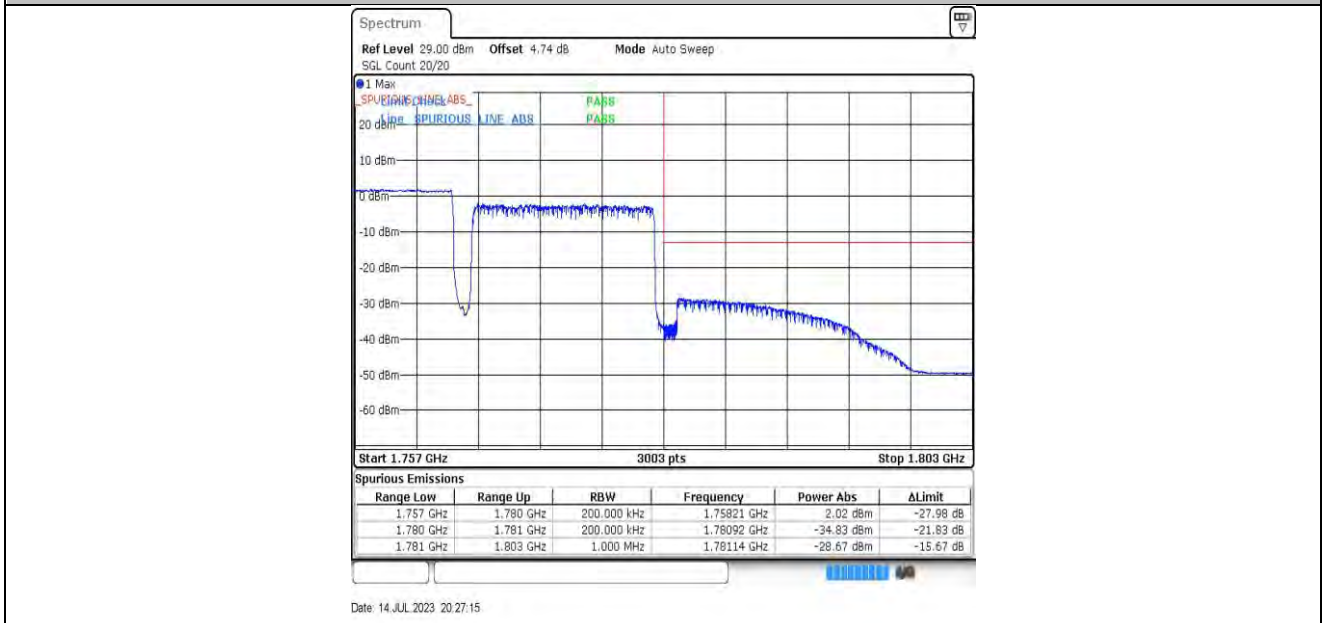
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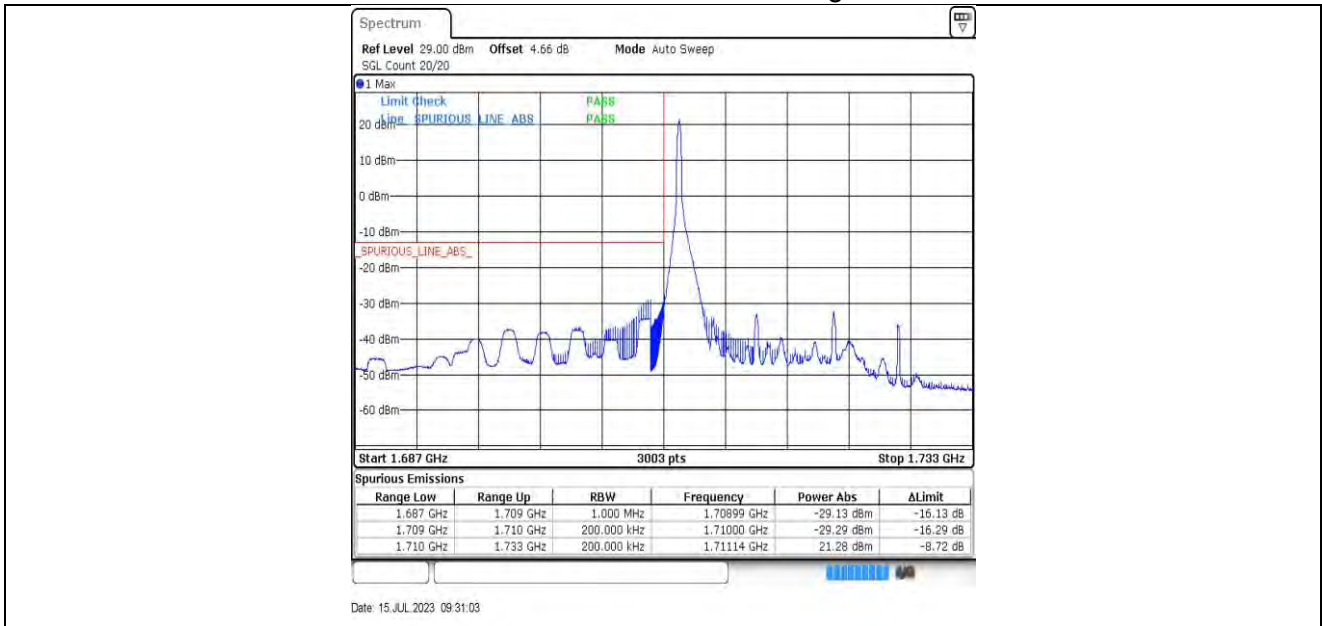


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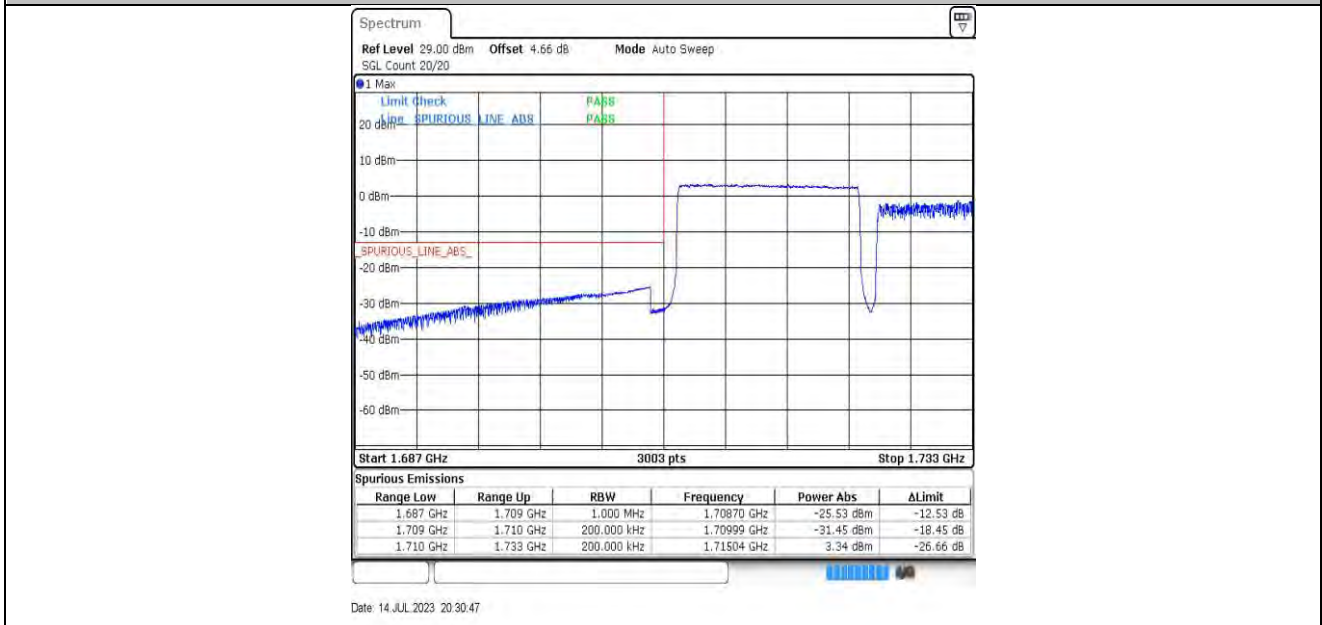
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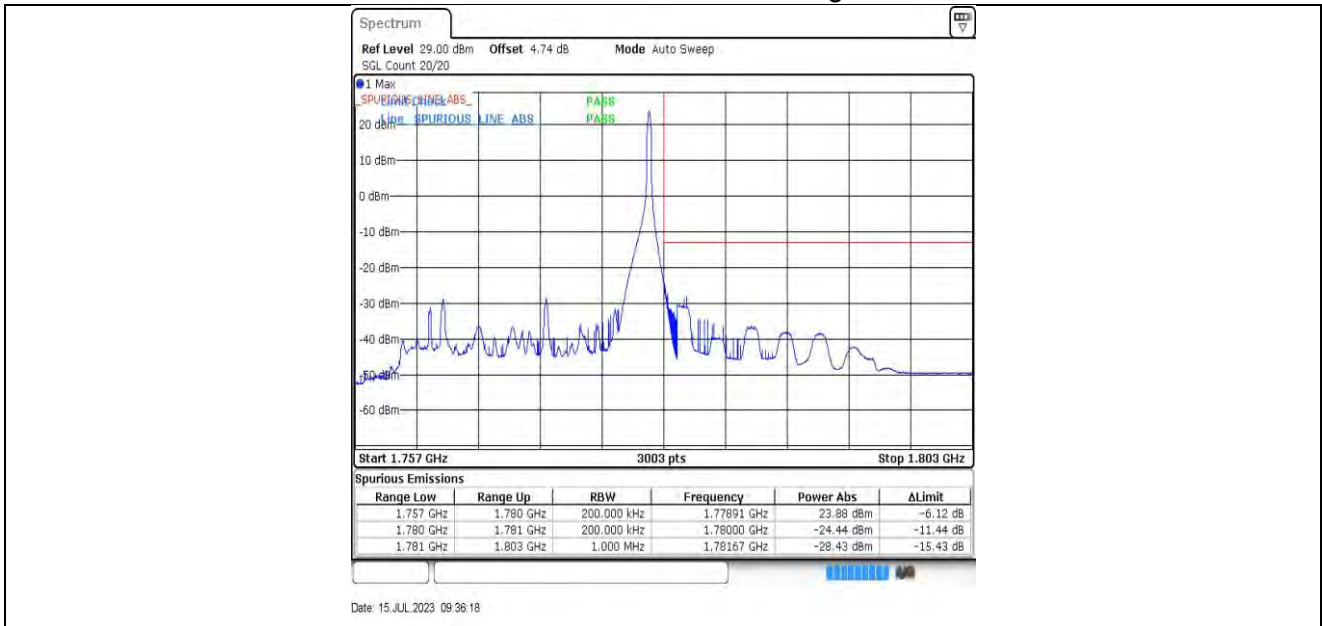
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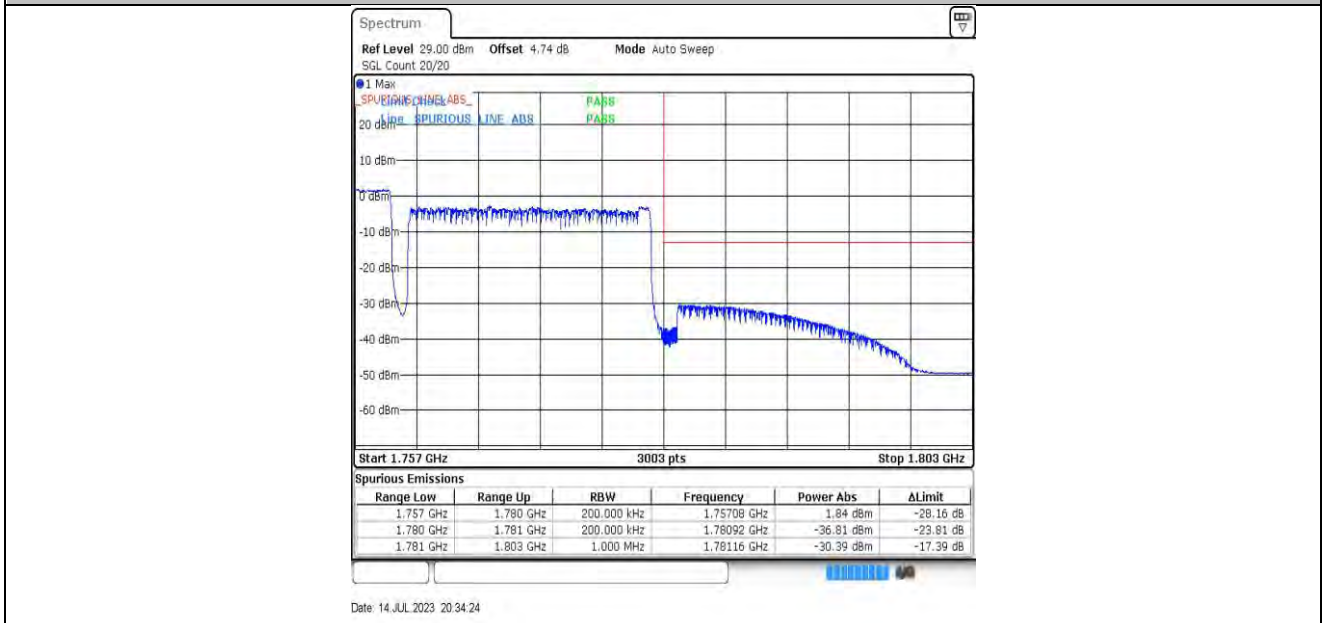
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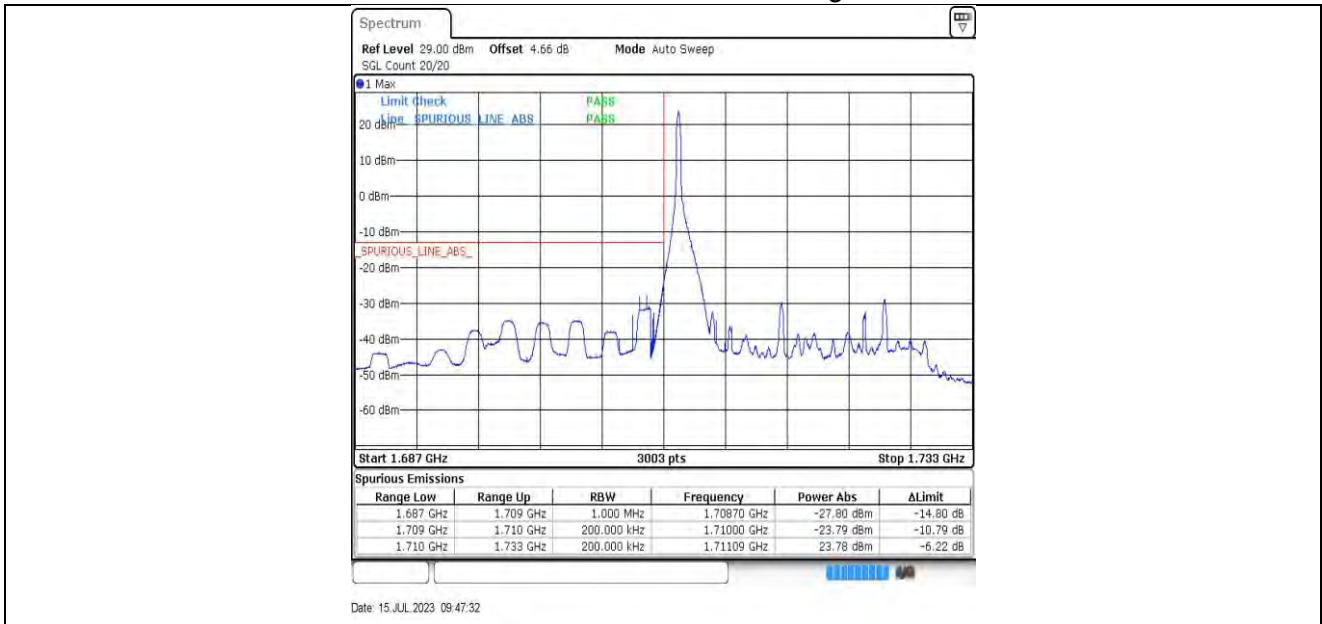
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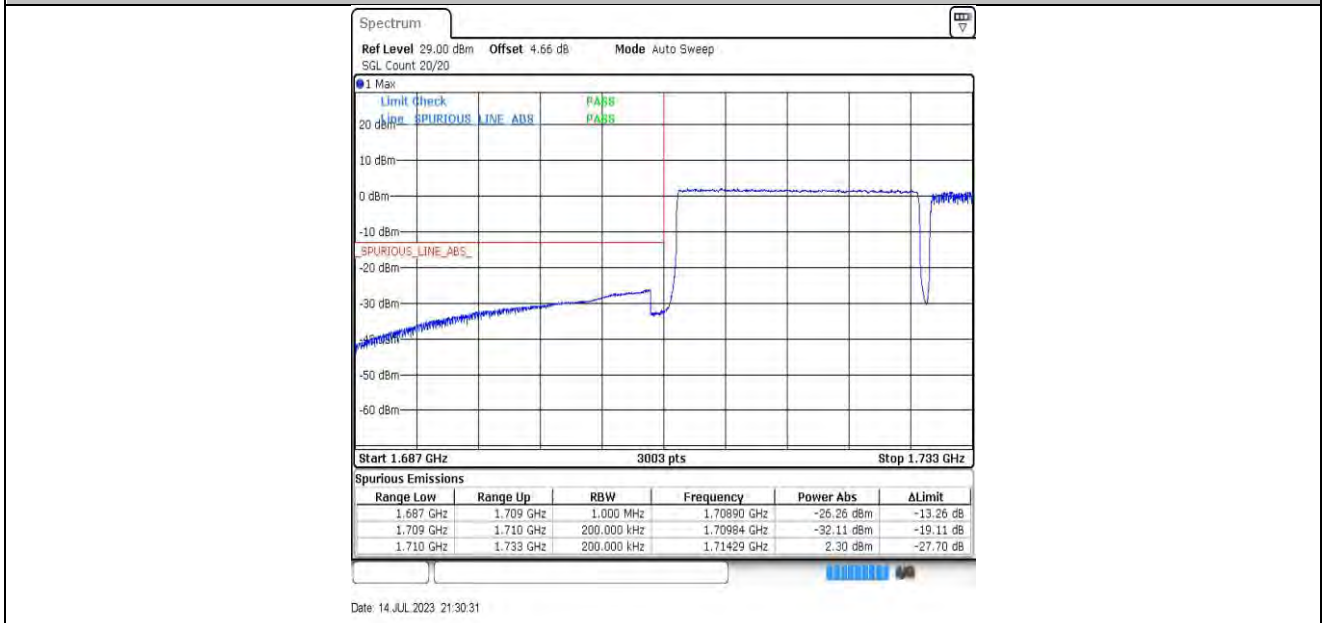
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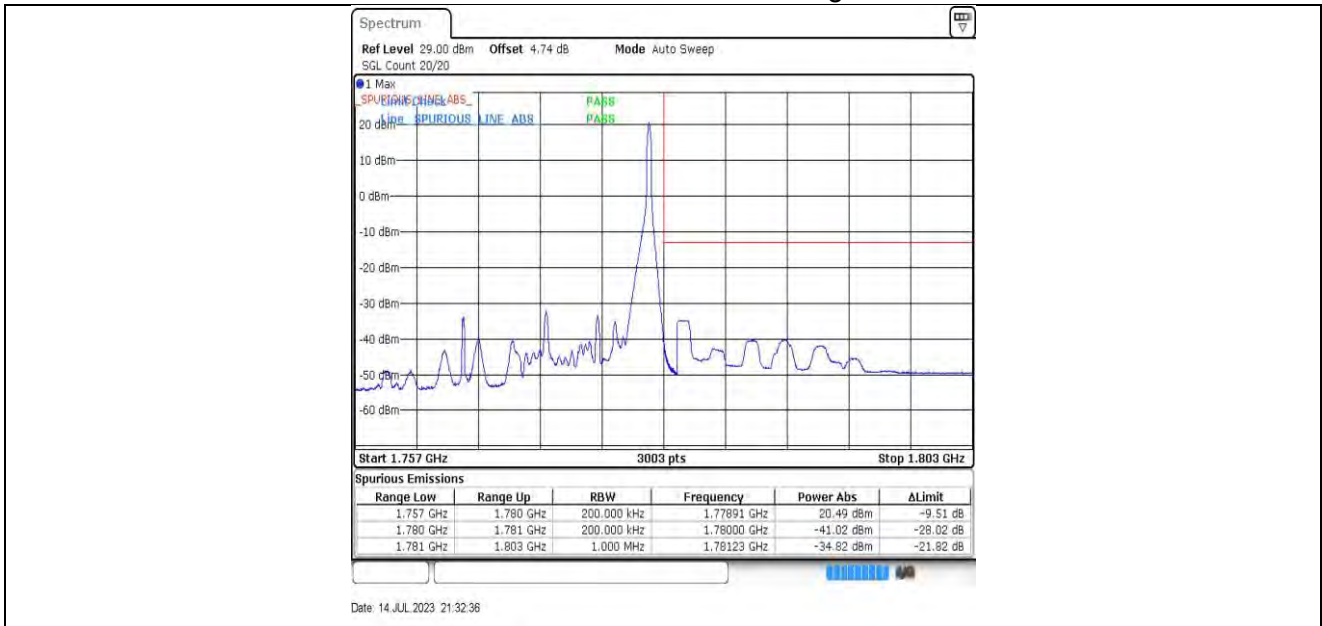
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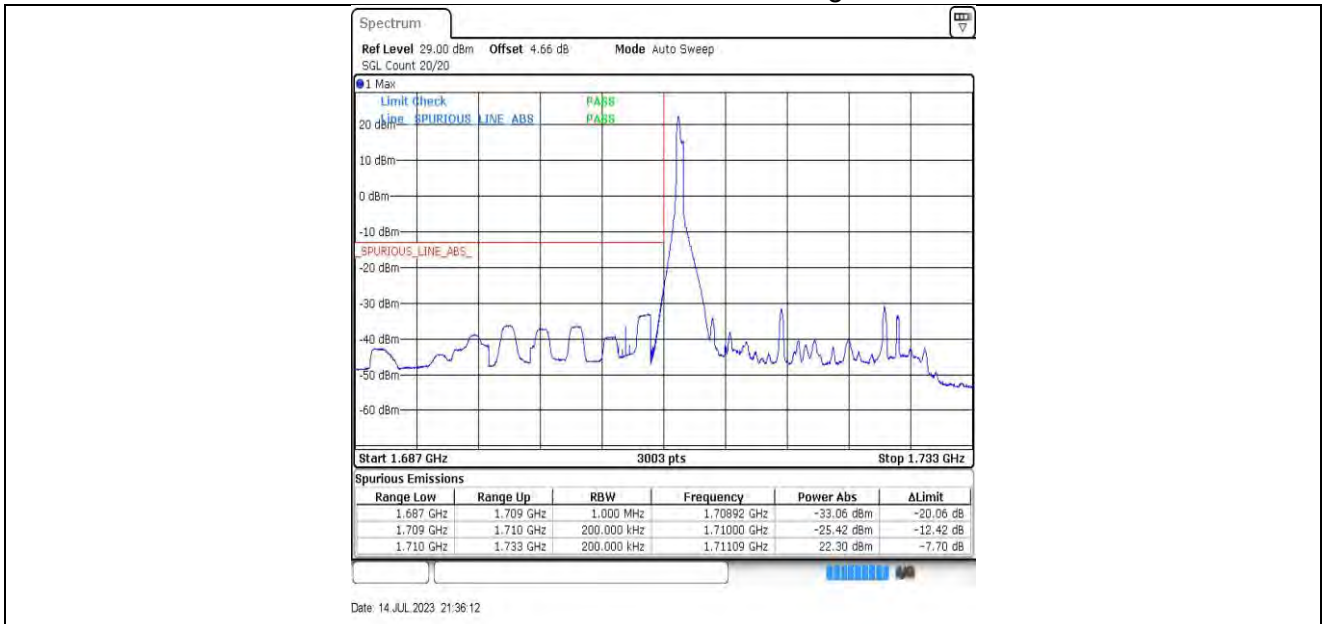
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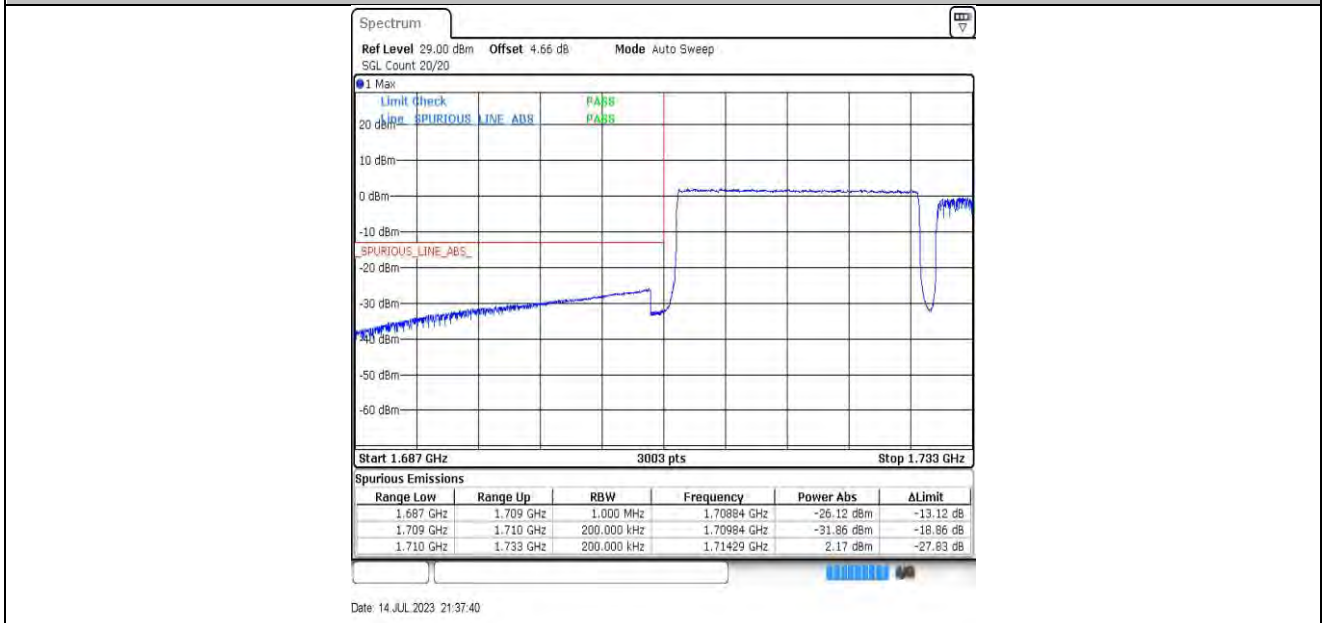
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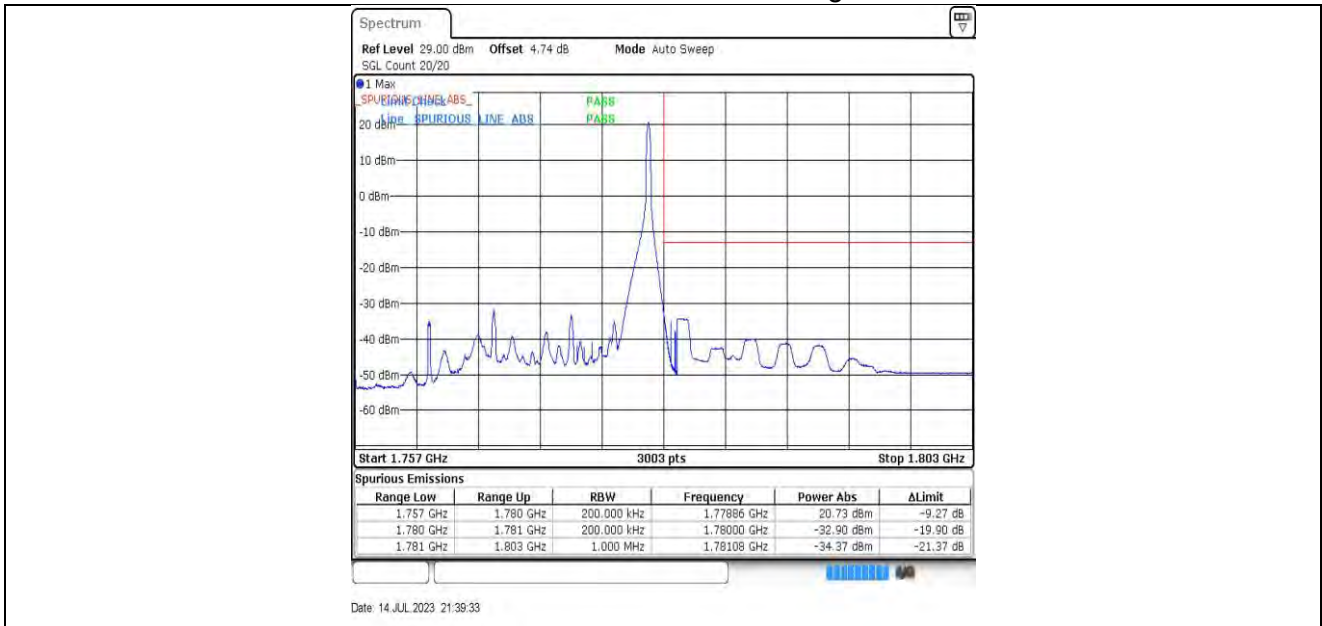
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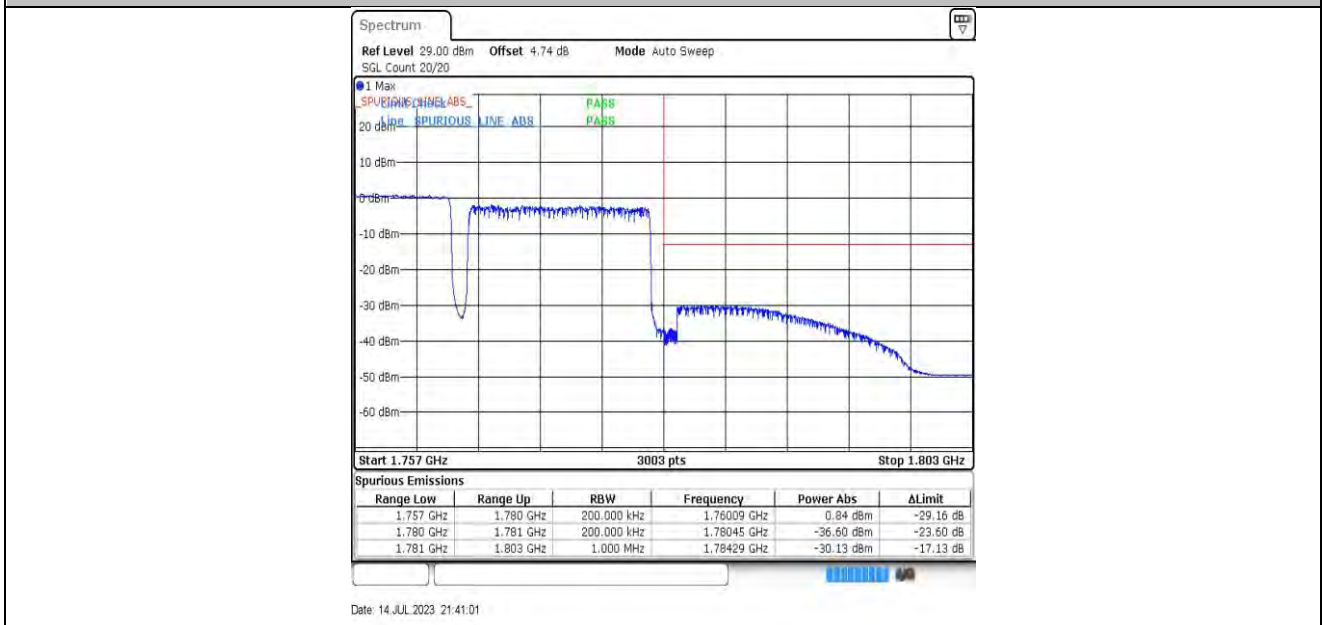
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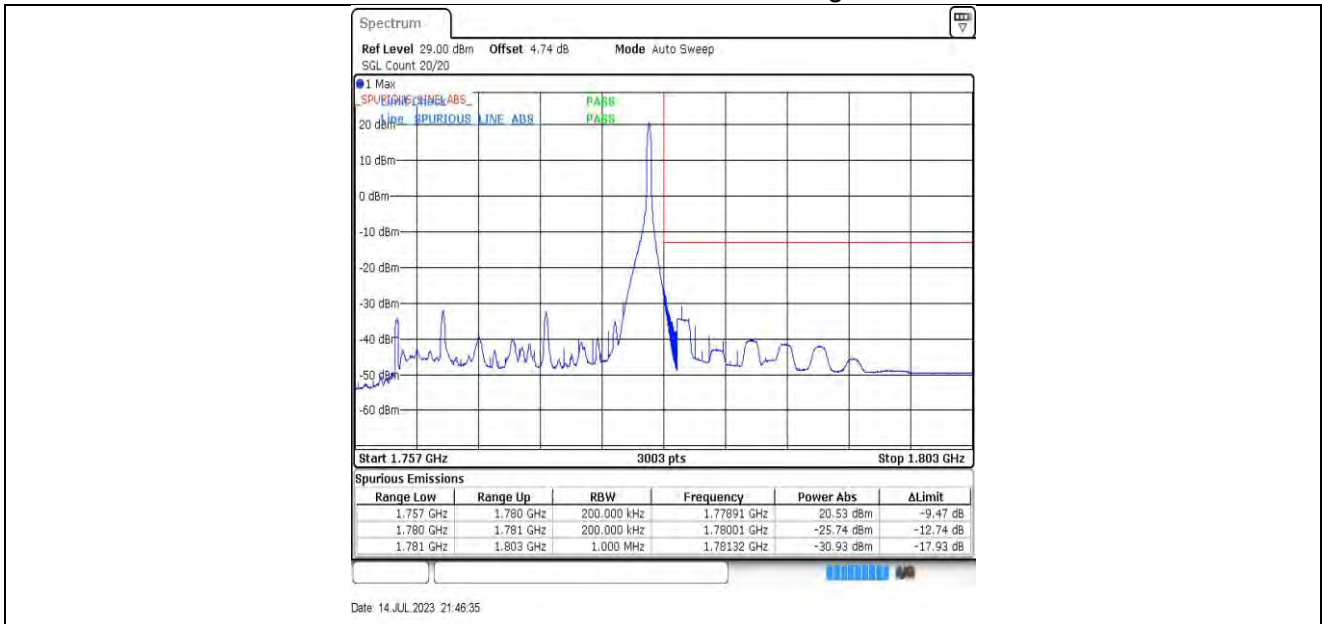
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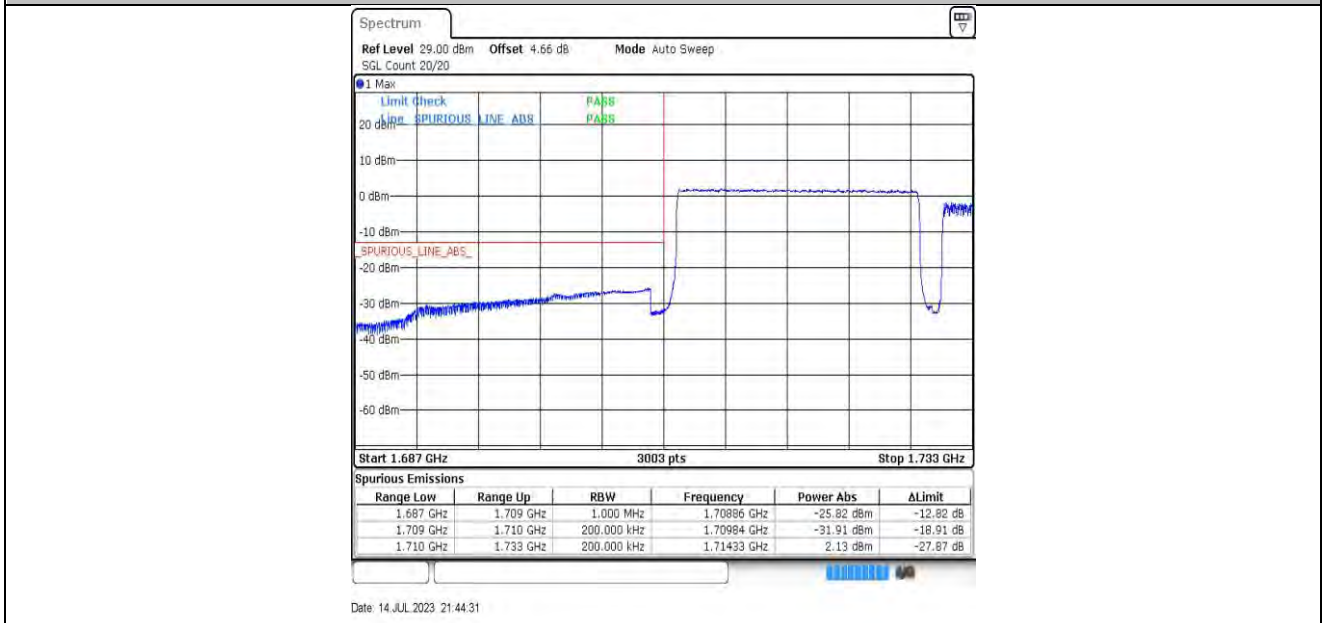
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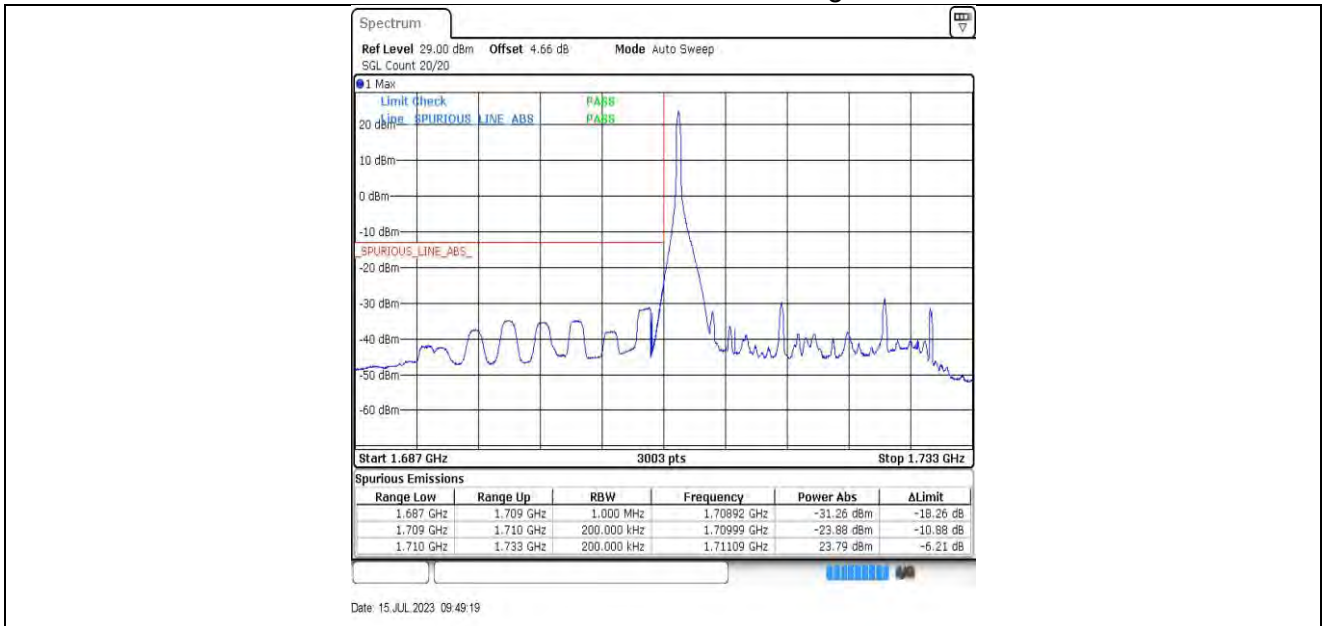
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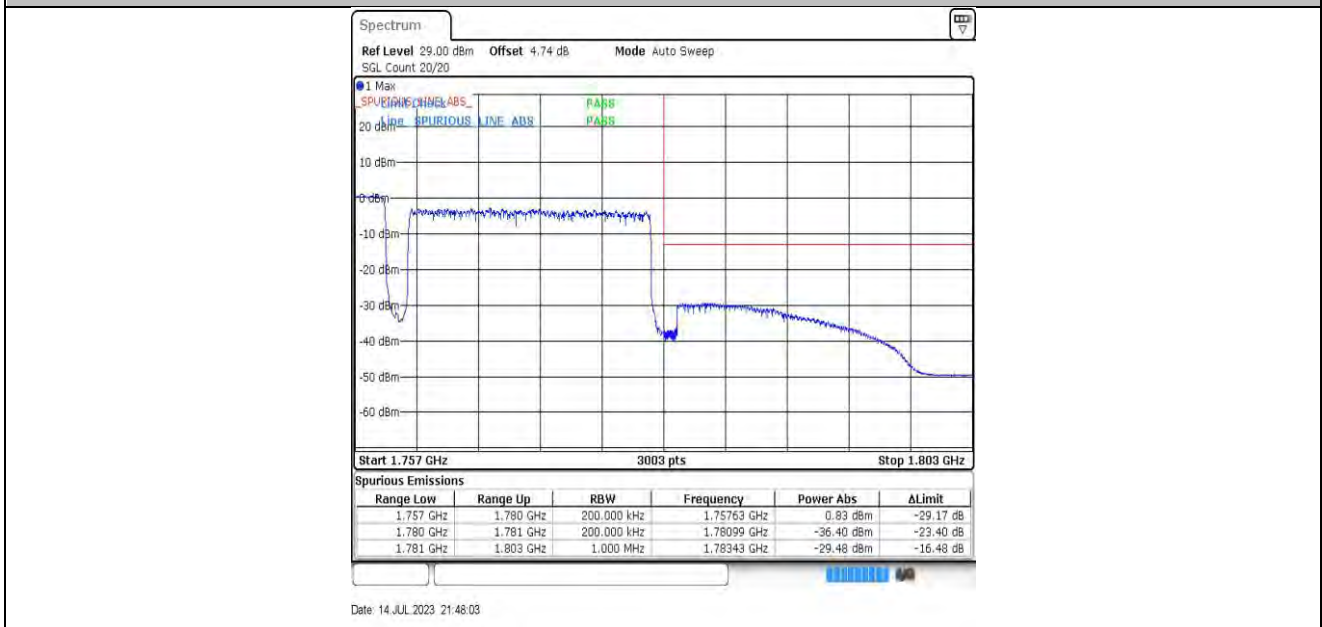
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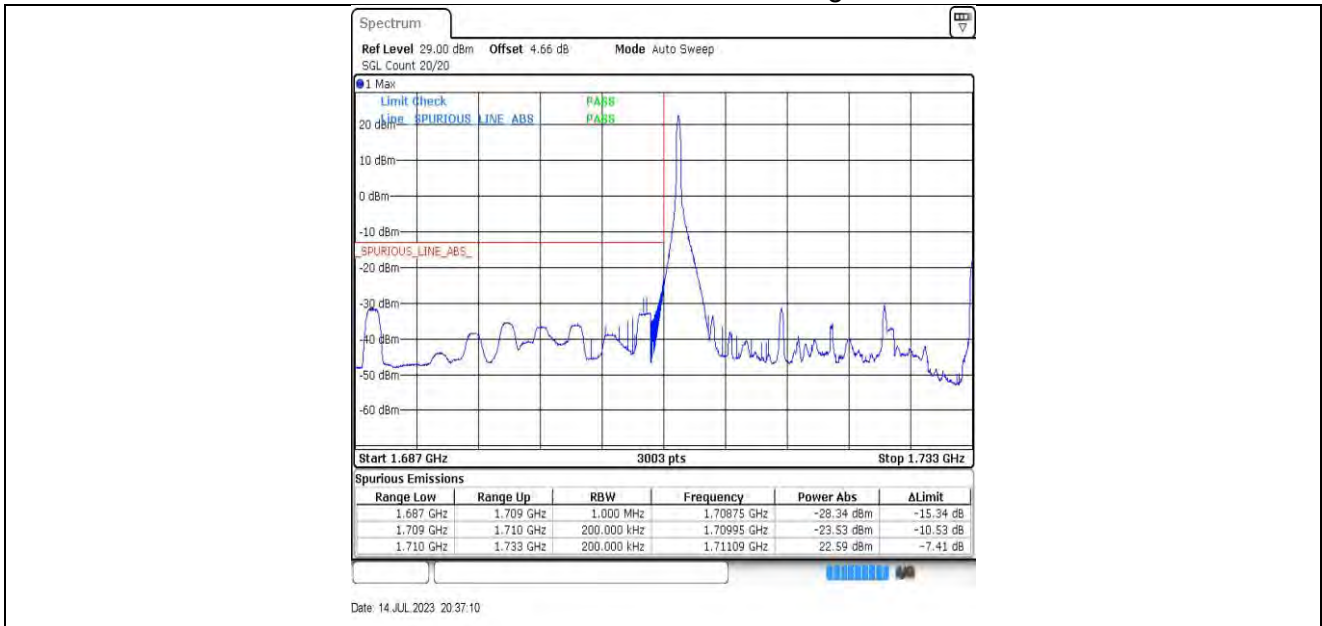


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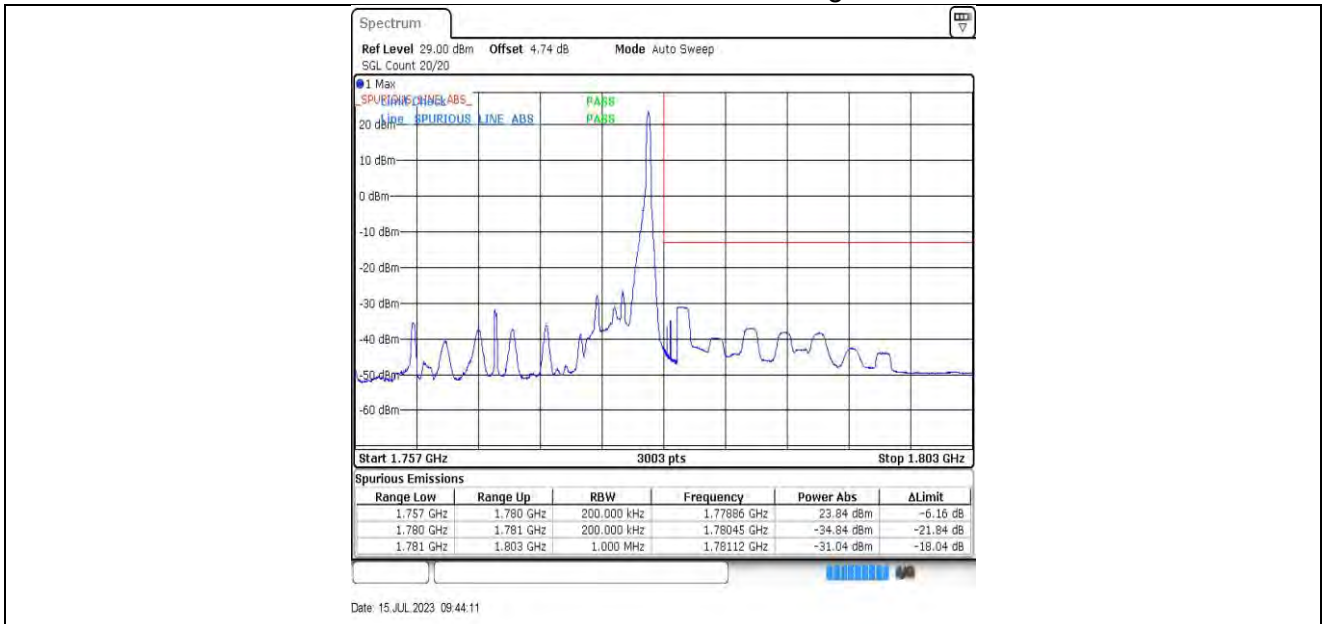
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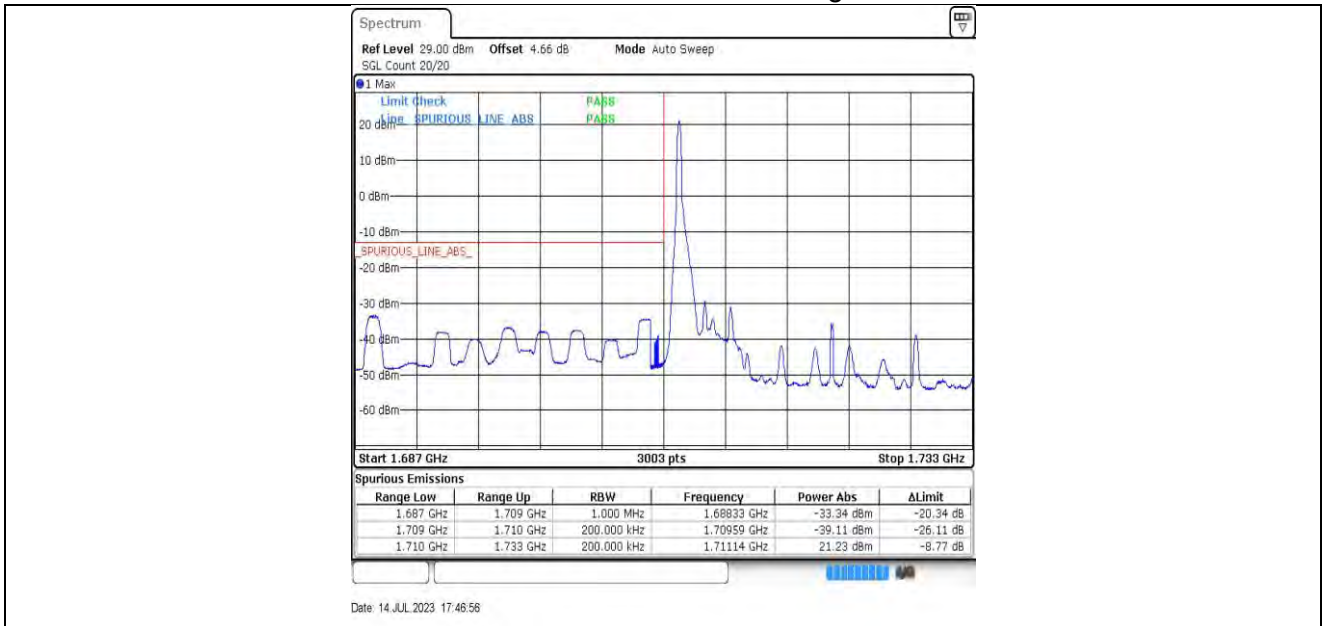
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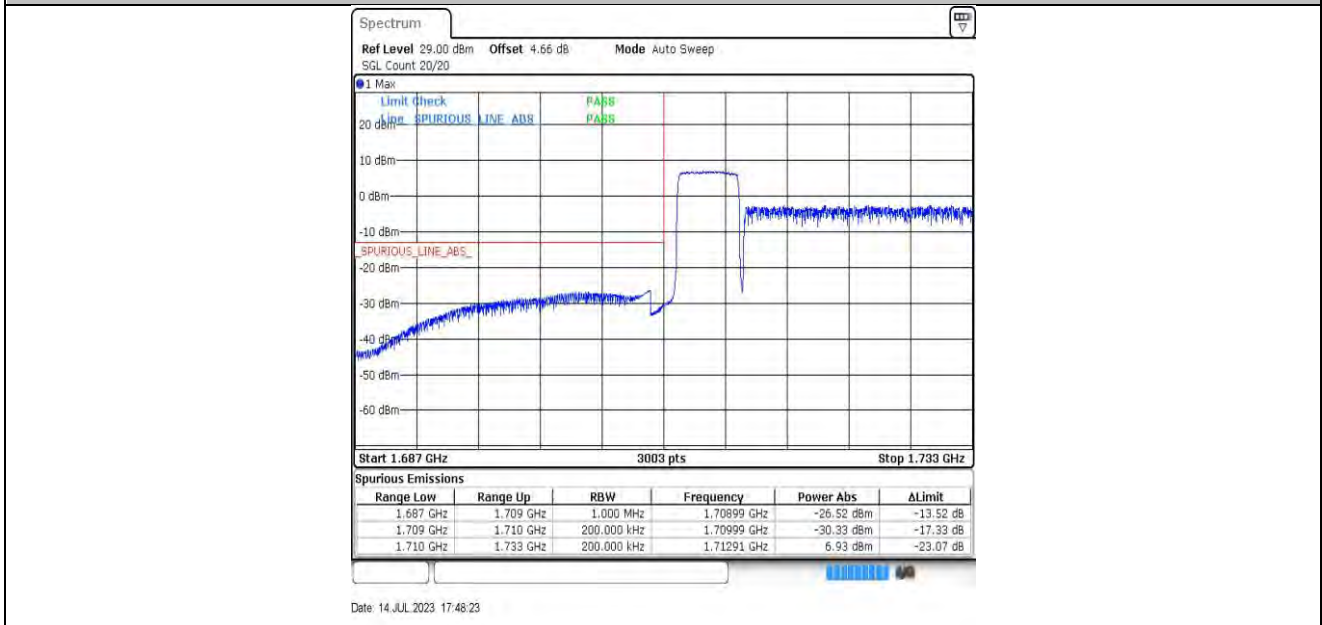
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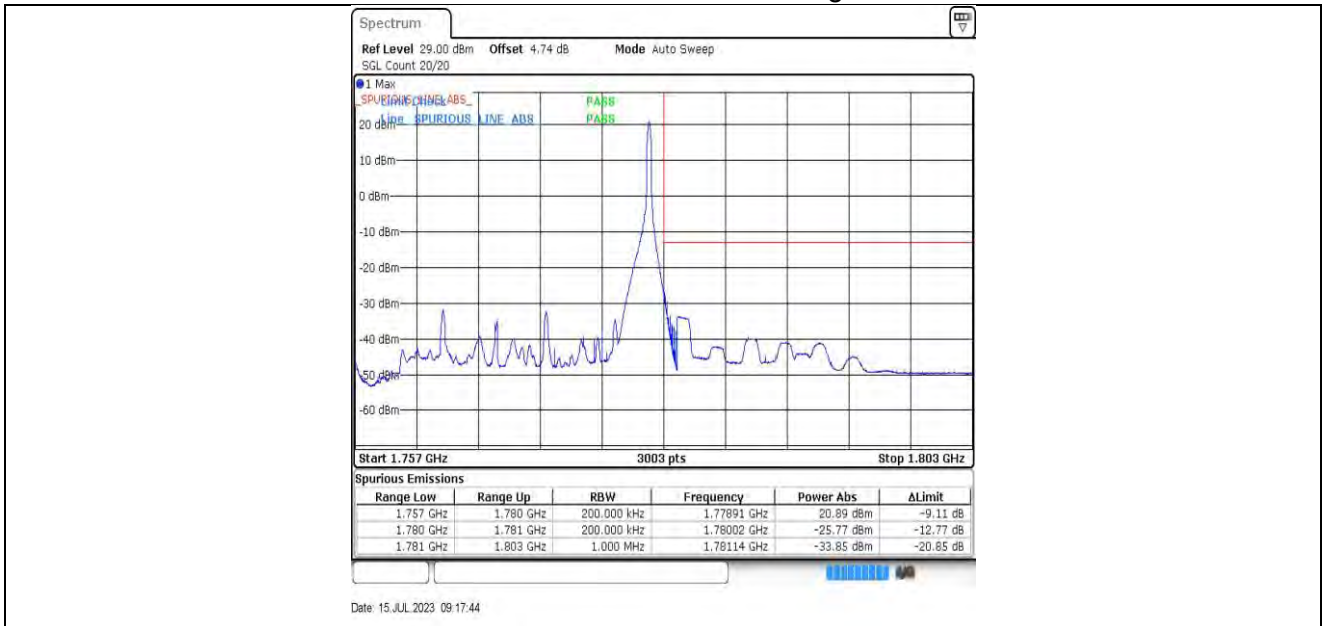
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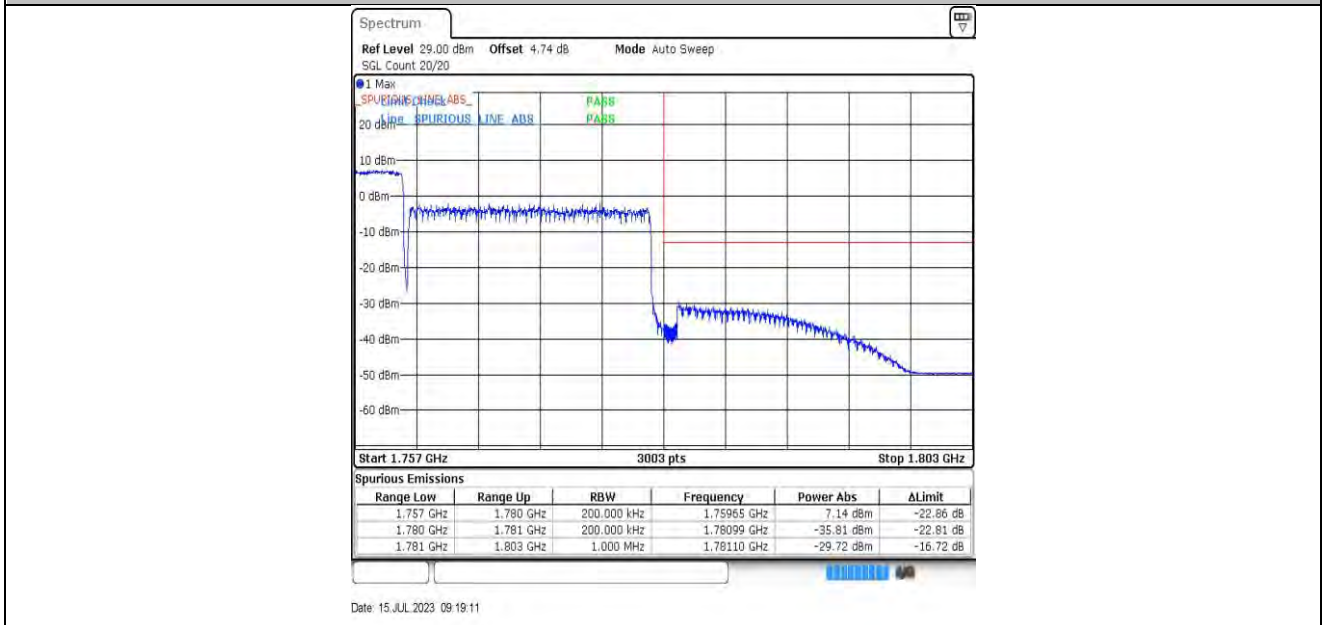
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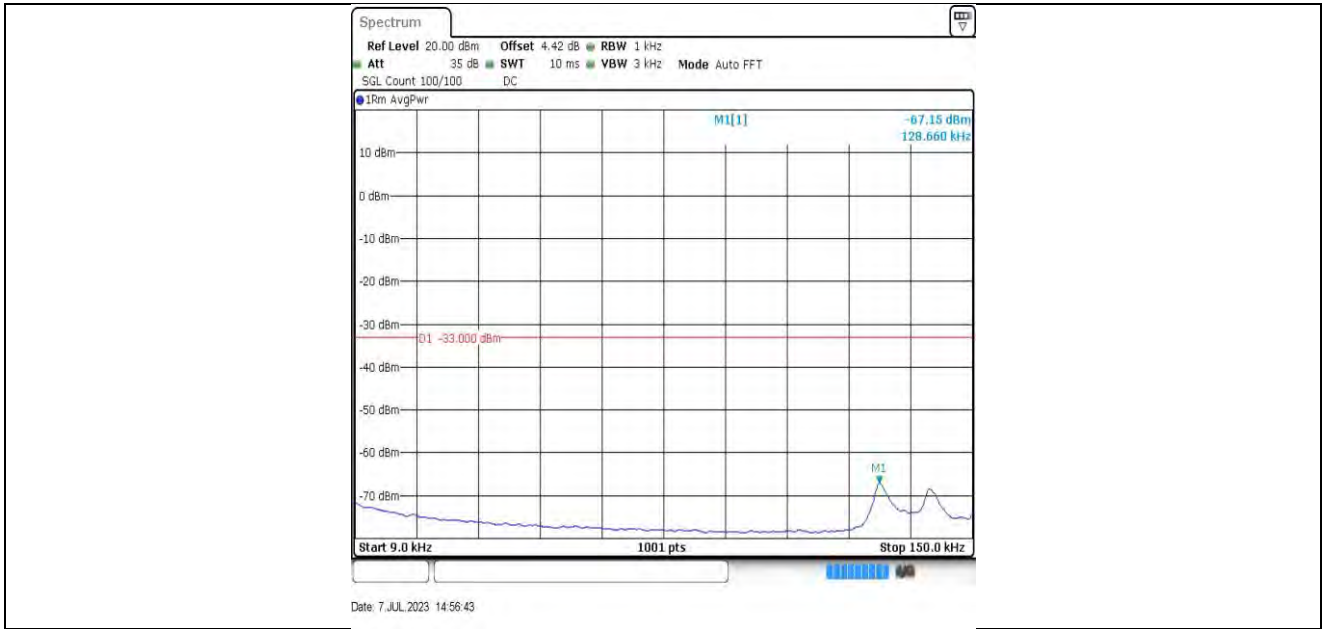
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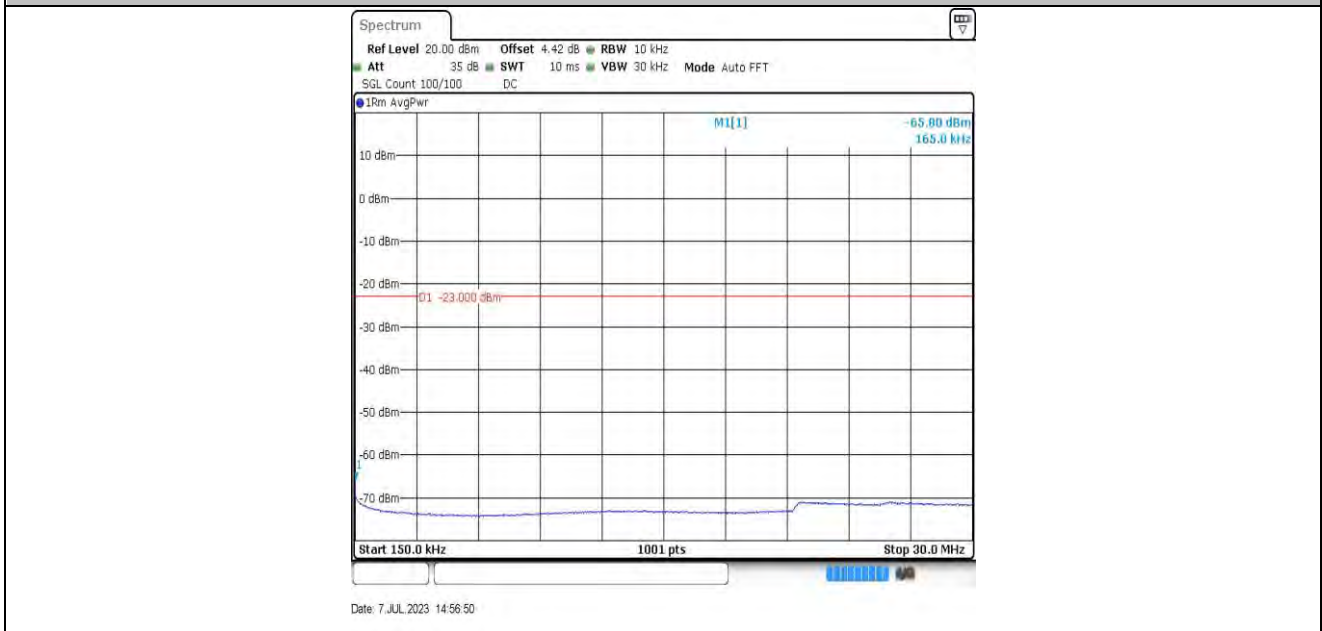
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### Conducted Spurious Emission

#### Test Graphs



20MHz-20MHz-132072-132270

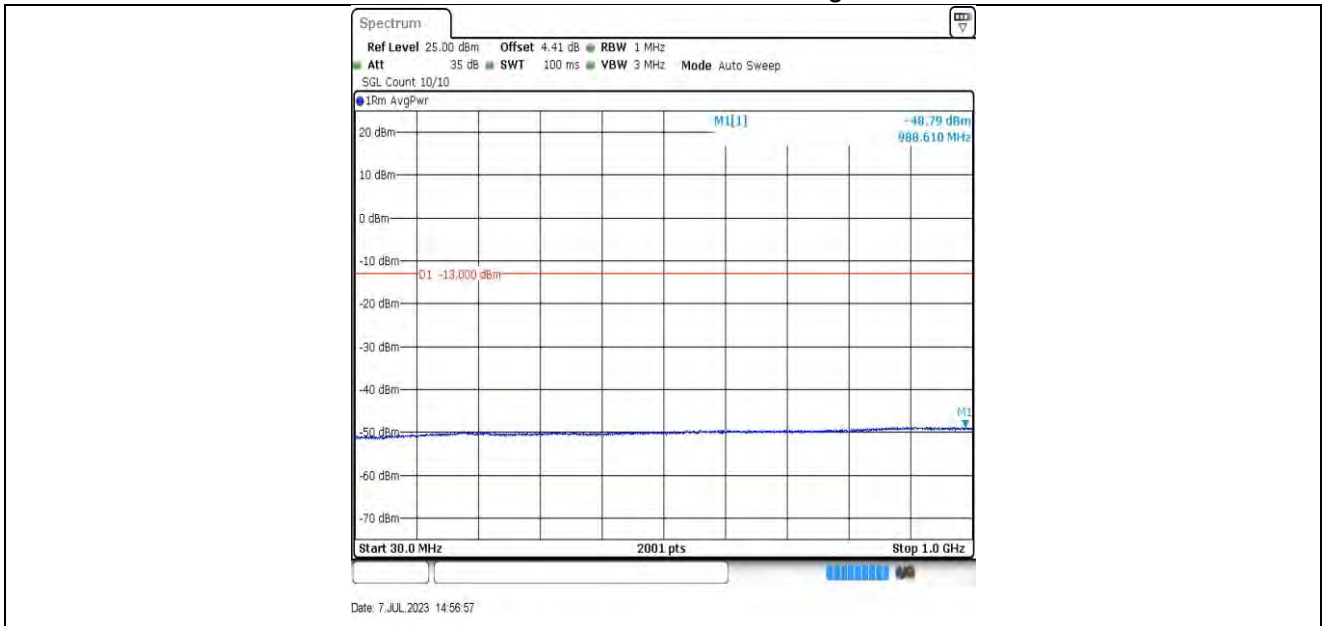


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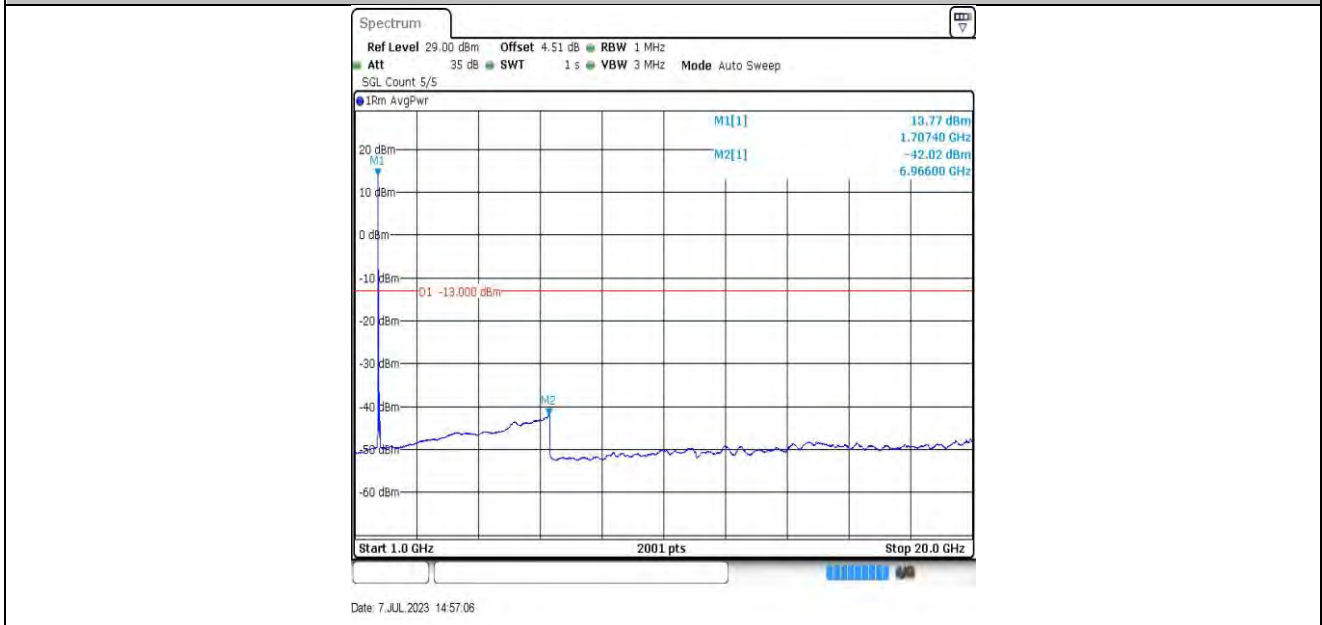


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20MHz-20MHz-132072-132270



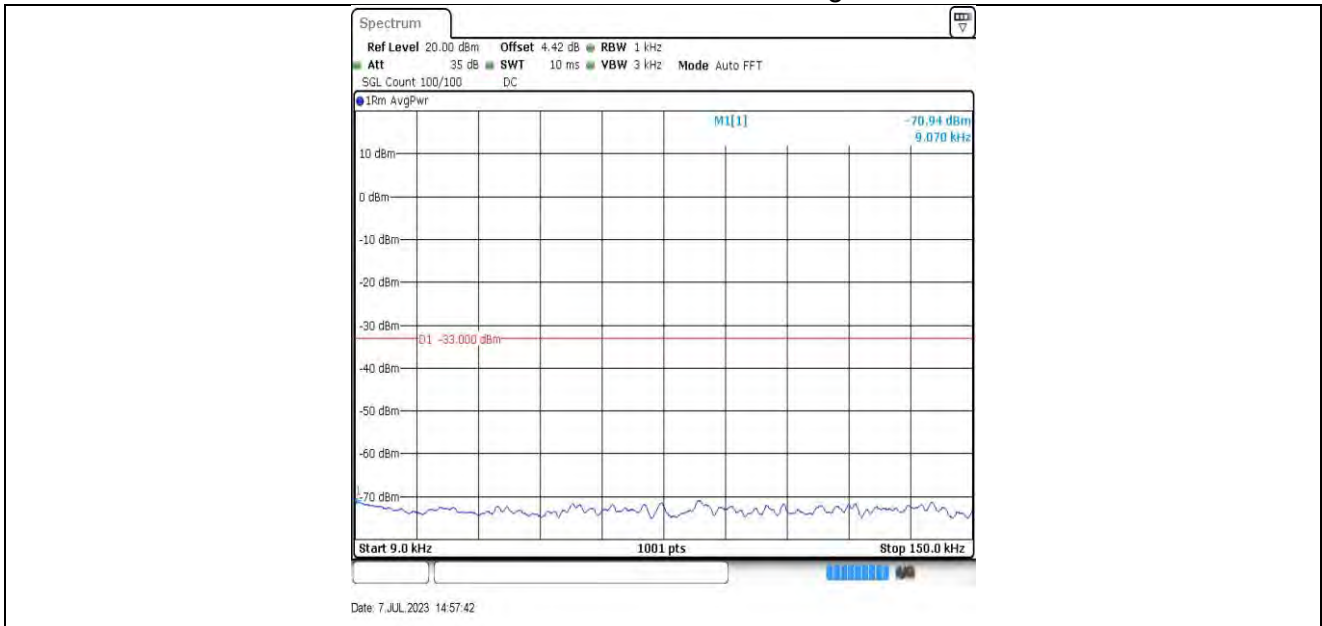
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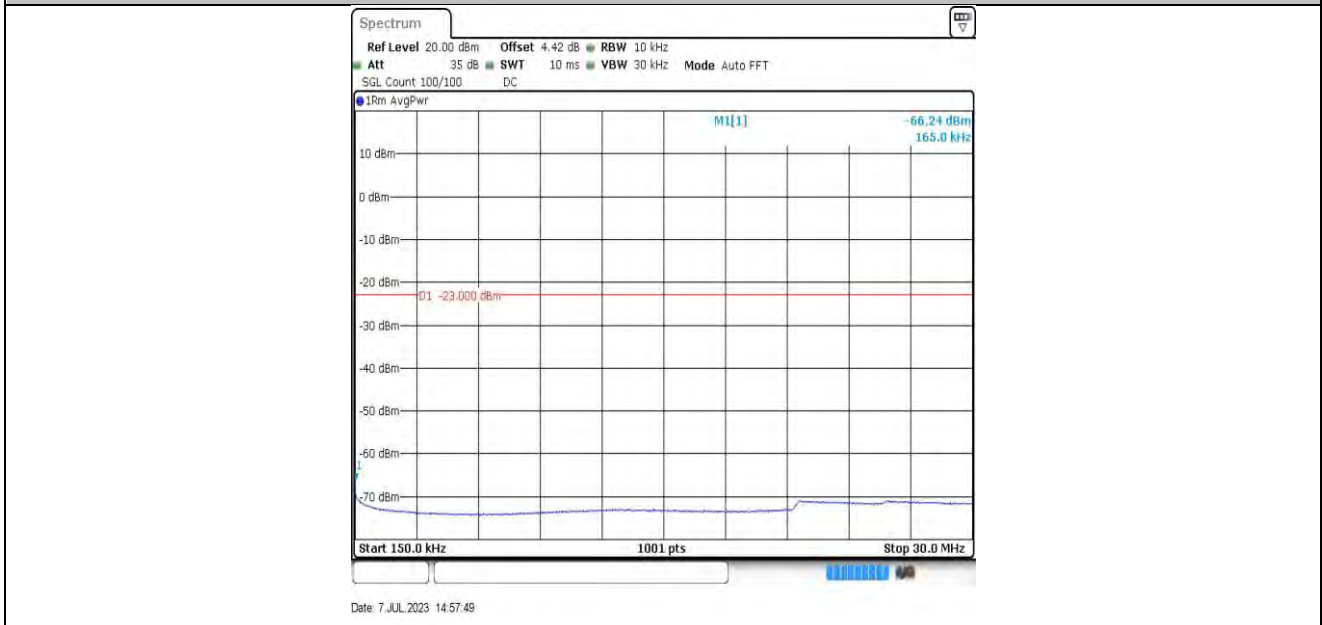
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20MHz-20MHz-132323-132521



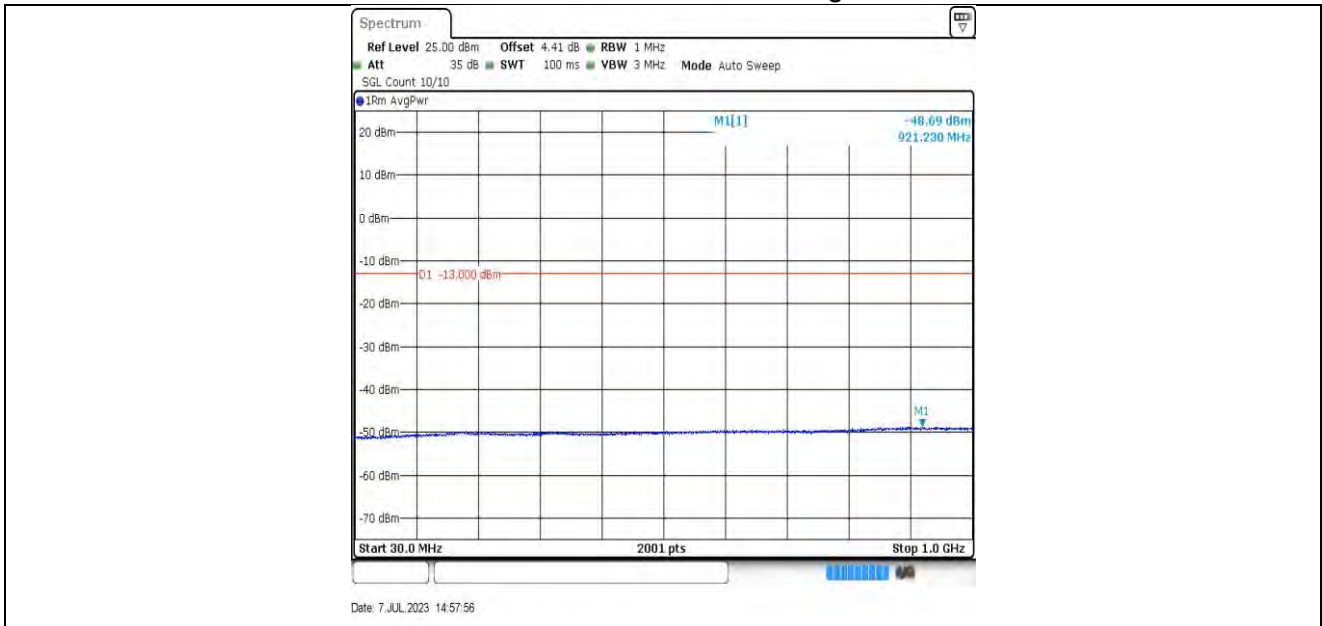
20MHz-20MHz-132323-132521



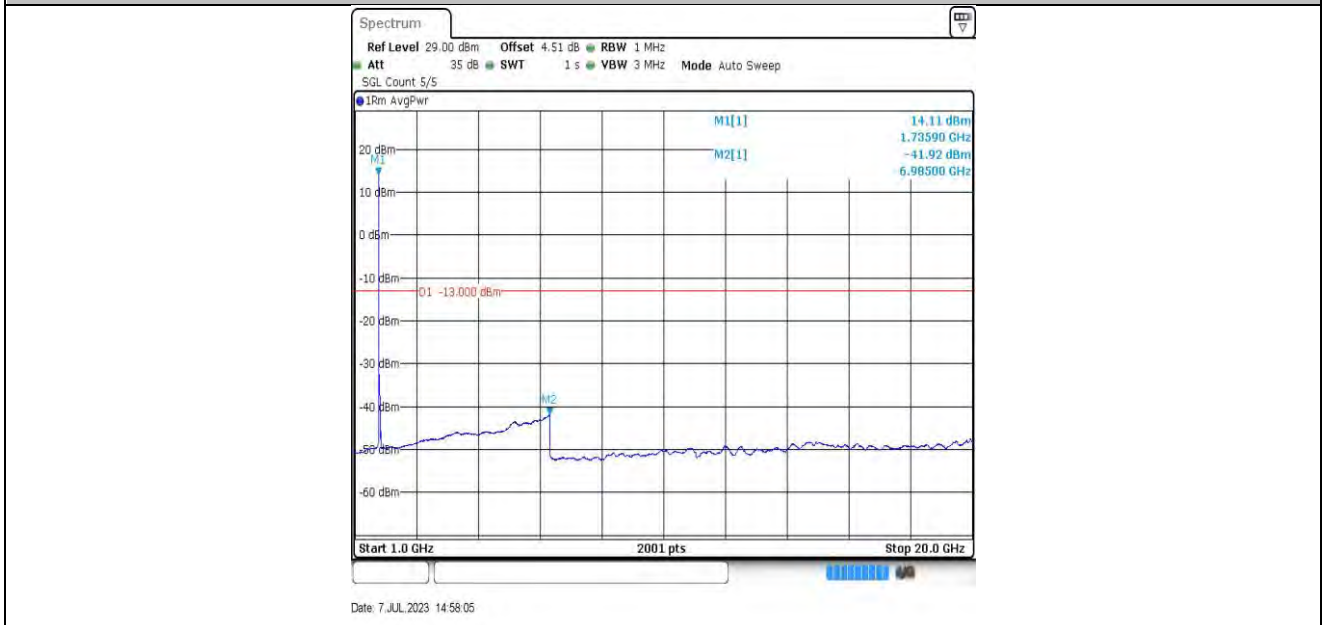
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20MHz-20MHz-132323-132521



20MHz-20MHz-132323-132521

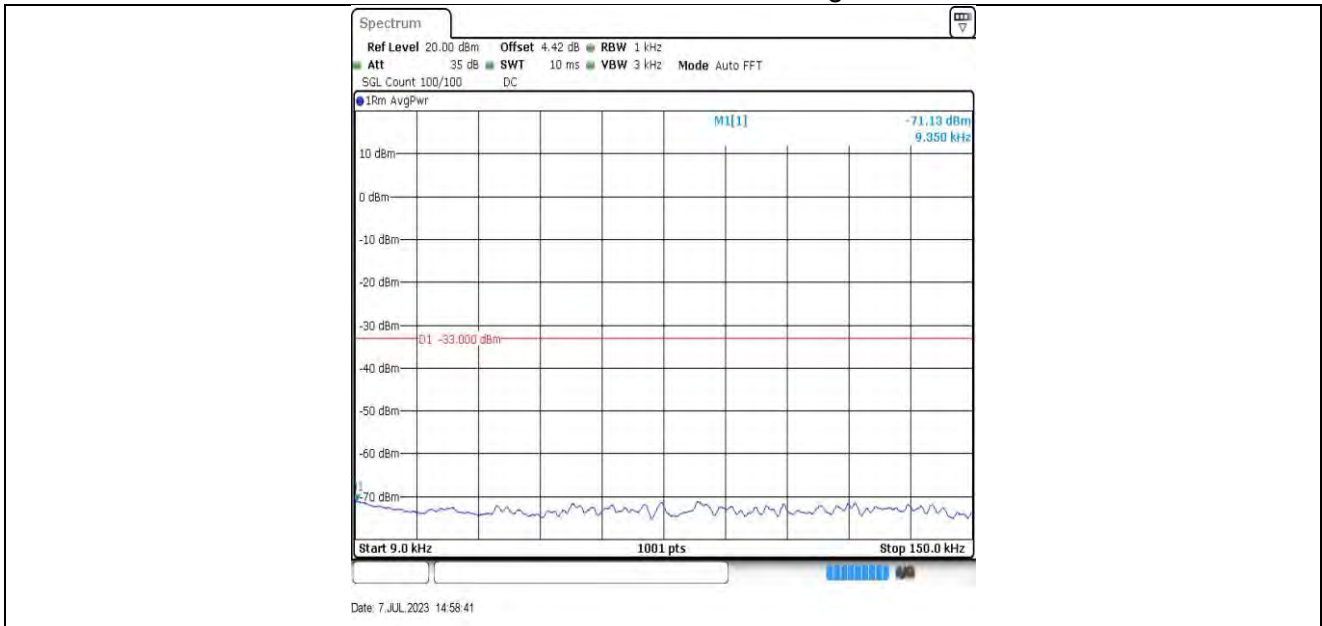


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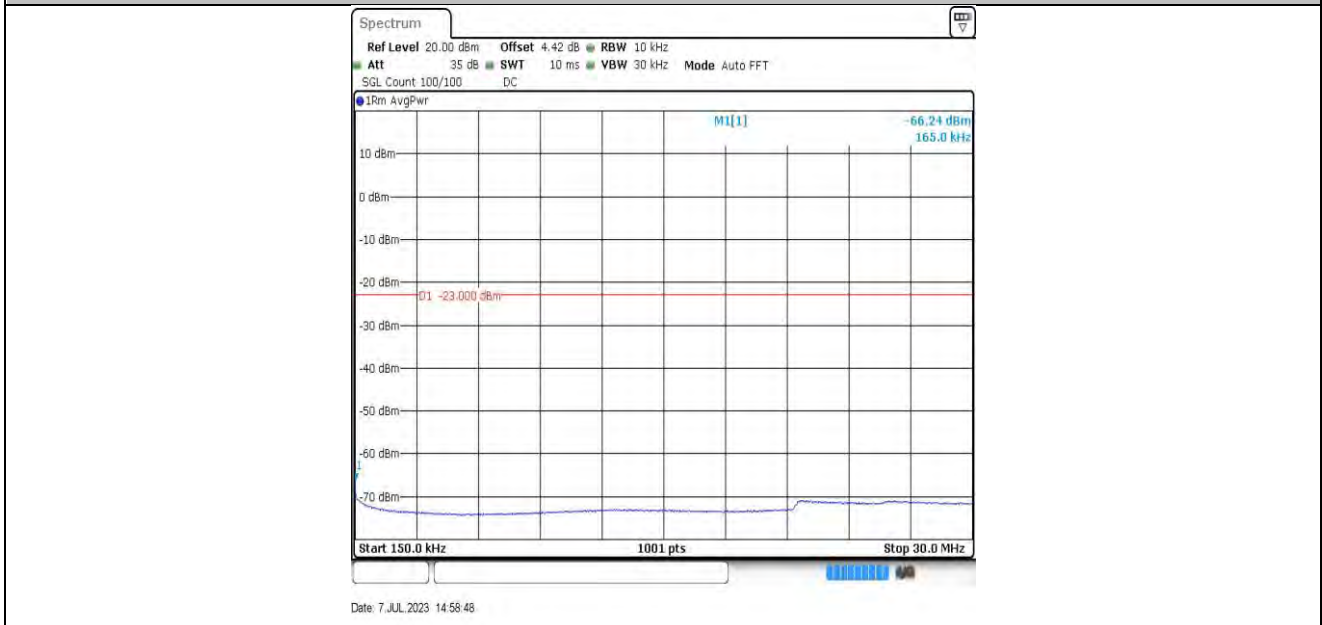
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20MHz-20MHz-132374-132572



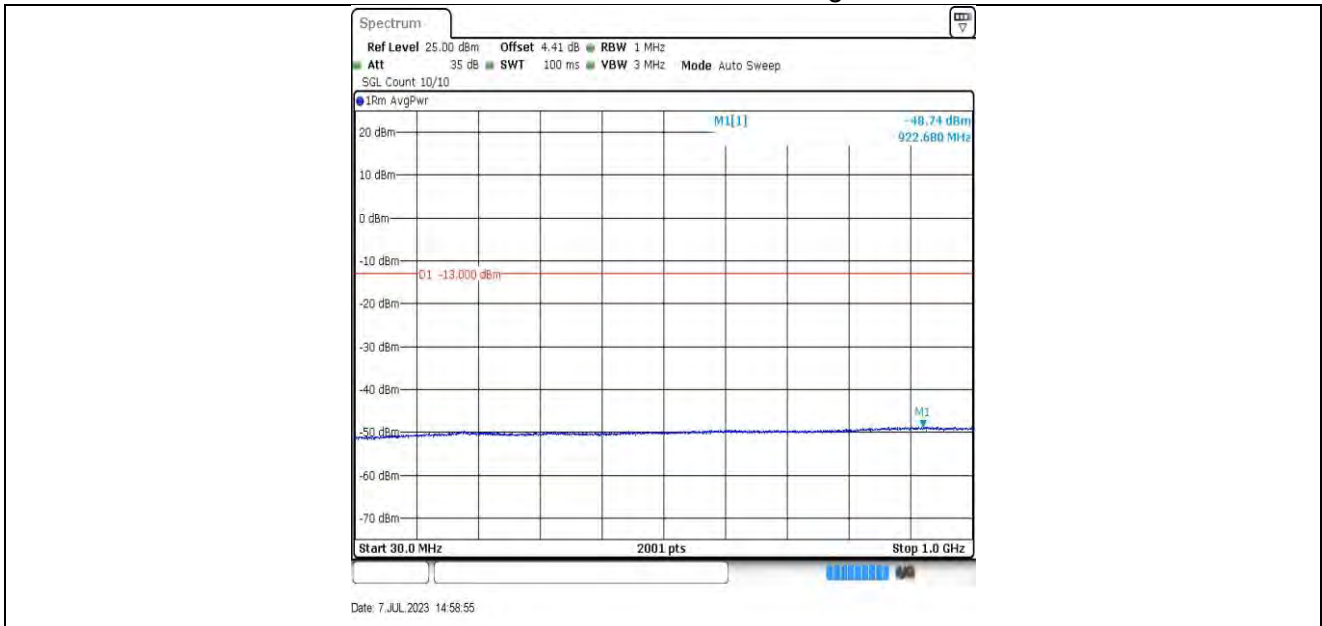
20MHz-20MHz-132374-132572



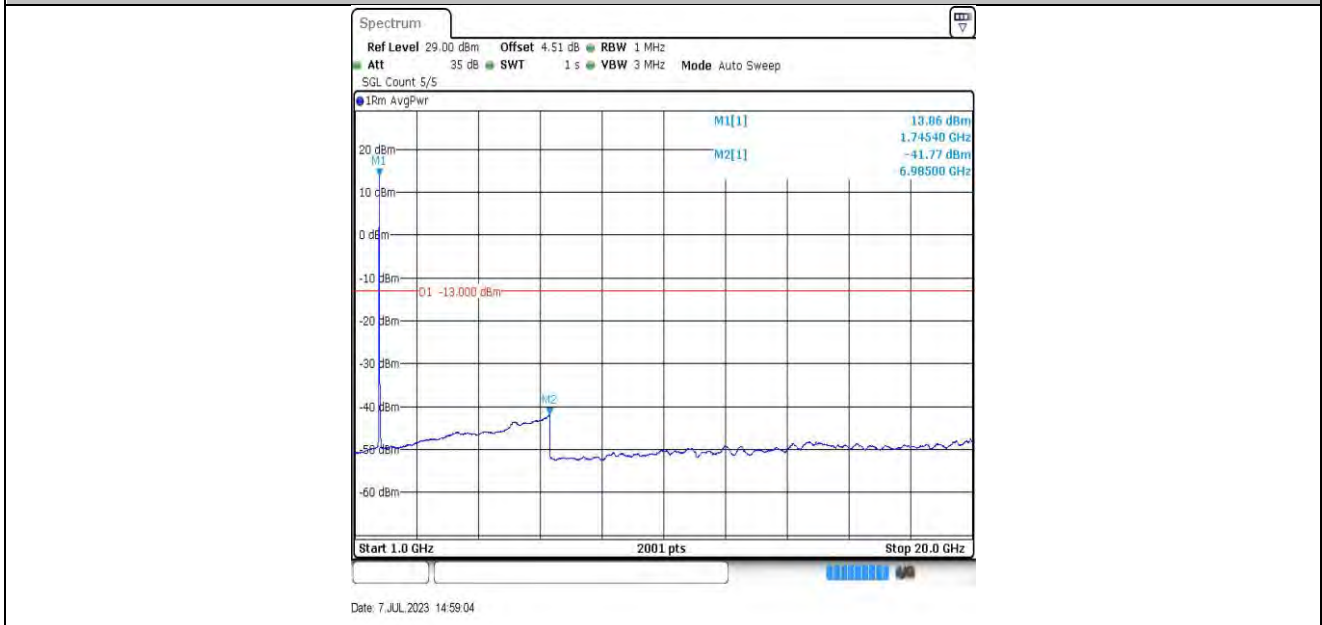
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20MHz-20MHz-132374-132572



20MHz-20MHz-132374-132572



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## Field Strength of Spurious Radiation

Test Band = LTE Band66CA\_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3404.1800	40.23	-46.28	28.54	-72.77	-13.00	59.77	Horizontal
2	5106.2700	38.42	-45.36	31.66	-70.55	-13.00	57.55	Horizontal
3	6808.3600	38.85	-44.16	34.86	-65.72	-13.00	52.72	Horizontal
4	8510.4500	35.06	-41.59	36.54	-65.24	-13.00	52.24	Horizontal
5	10212.5400	29.49	-39.45	38.31	-66.91	-13.00	53.91	Horizontal
6	11914.6300	25.09	-37.18	38.79	-68.56	-13.00	55.56	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3404.1800	41.30	-46.28	28.54	-71.70	-13.00	58.70	Vertical
2	5106.2700	38.48	-45.36	31.66	-70.49	-13.00	57.49	Vertical
3	6808.3600	38.68	-44.16	34.86	-65.89	-13.00	52.89	Vertical
4	8510.4500	36.82	-41.59	36.54	-63.48	-13.00	50.48	Vertical
5	10212.5400	29.58	-39.45	38.31	-66.82	-13.00	53.82	Vertical
6	11914.6300	25.08	-37.18	38.79	-68.57	-13.00	55.57	Vertical



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**Test Band = LTE Band66CA\_ TM1**

**Test Channel = Mid**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.3800	42.33	-46.27	28.58	-70.61	-13.00	57.61	Horizontal
2	5208.5700	38.87	-45.26	31.90	-69.75	-13.00	56.75	Horizontal
3	6944.7600	37.88	-43.85	35.10	-66.13	-13.00	53.13	Horizontal
4	8680.9500	35.03	-41.62	36.46	-65.39	-13.00	52.39	Horizontal
5	10417.1400	28.97	-38.97	38.41	-66.85	-13.00	53.85	Horizontal
6	12153.3300	26.29	-37.42	38.85	-67.54	-13.00	54.54	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.3800	41.40	-46.27	28.58	-71.54	-13.00	58.54	Vertical
2	5208.5700	38.42	-45.26	31.90	-70.20	-13.00	57.20	Vertical
3	6944.7600	37.34	-43.85	35.10	-66.67	-13.00	53.67	Vertical
4	8680.9500	34.28	-41.62	36.46	-66.14	-13.00	53.14	Vertical
5	10417.1400	28.92	-38.97	38.41	-66.90	-13.00	53.90	Vertical
6	12153.3300	26.07	-37.42	38.85	-67.76	-13.00	54.76	Vertical



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**Test Band = LTE Band66CA\_ TM1**  
**Test Channel = High**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3482.5800	42.12	-46.26	28.59	-70.81	-13.00	57.81	Horizontal
2	5223.8700	39.50	-45.23	31.94	-69.05	-13.00	56.05	Horizontal
3	6965.1600	38.24	-43.74	35.14	-65.62	-13.00	52.62	Horizontal
4	8706.4500	34.71	-41.66	36.45	-65.76	-13.00	52.76	Horizontal
5	10447.7400	29.37	-38.91	38.42	-66.37	-13.00	53.37	Horizontal
6	12189.0300	26.67	-37.47	38.86	-67.21	-13.00	54.21	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3482.5800	41.23	-46.26	28.59	-71.70	-13.00	58.70	Vertical
2	5223.8700	39.10	-45.23	31.94	-69.45	-13.00	56.45	Vertical
3	6965.1600	37.50	-43.74	35.14	-66.36	-13.00	53.36	Vertical
4	8706.4500	33.62	-41.66	36.45	-66.85	-13.00	53.85	Vertical
5	10447.7400	29.45	-38.91	38.42	-66.29	-13.00	53.29	Vertical
6	12189.0300	26.08	-37.47	38.86	-67.80	-13.00	54.80	Vertical

**Remark:**

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplicifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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**Frequency Stability**

**Test Result**

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	VH	NT	23.30	0.013276	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	VL	NT	25.20	0.014359	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	VN	NT	29.50	0.016809	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	50	23.80	0.013561	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	40	24.80	0.014131	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	30	21.50	0.012251	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	20	31.20	0.017778	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	10	21.60	0.012308	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	0	23.20	0.013219	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	-10	27.00	0.015385	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	-20	28.20	0.016068	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	-30	21.30	0.012137	PASS

---End of Attachment---



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