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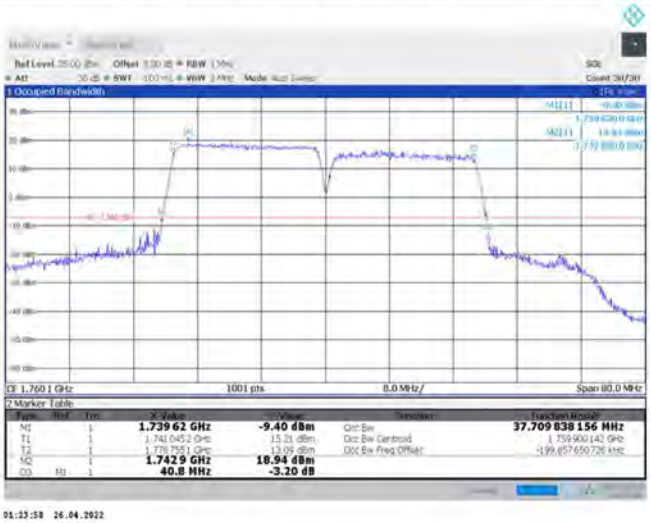

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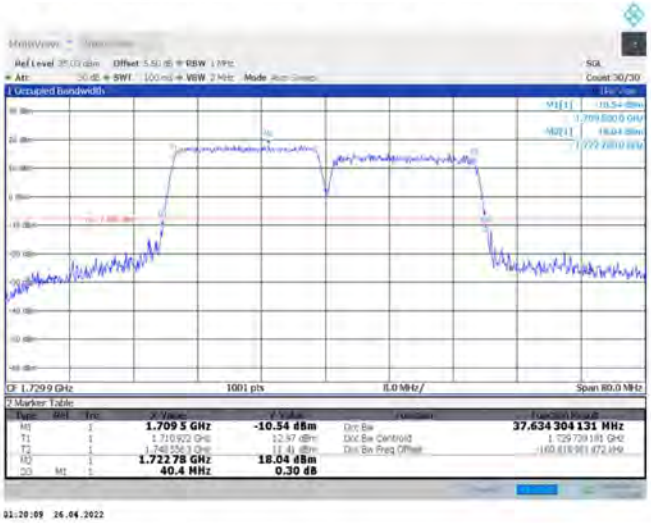

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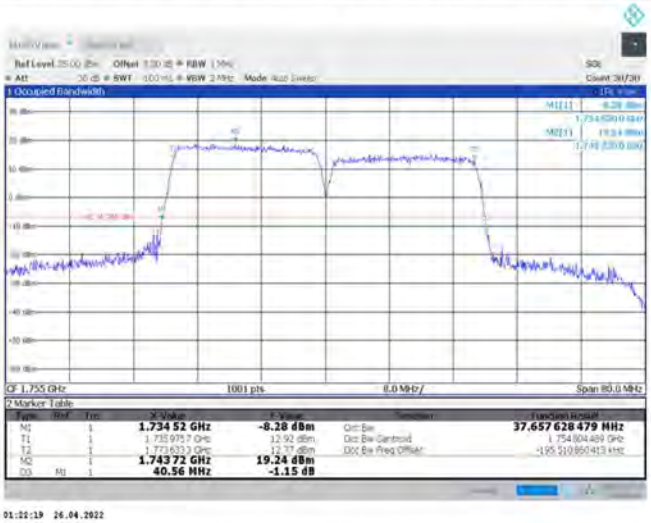

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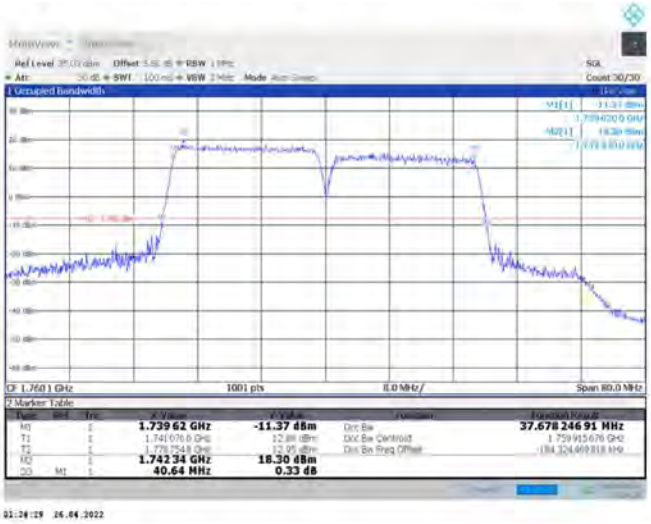

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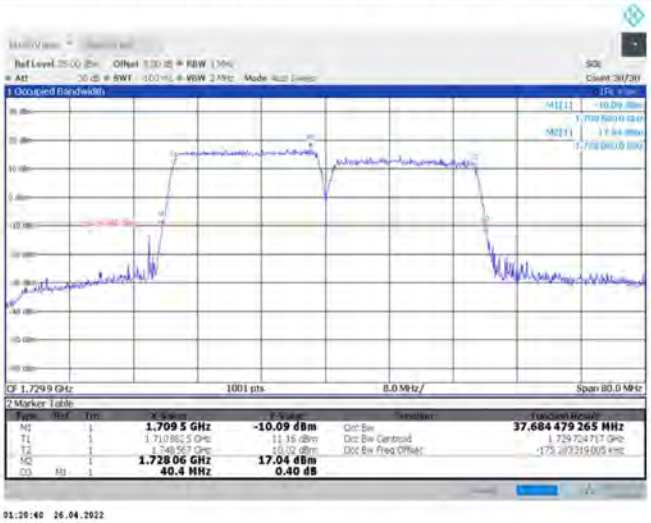

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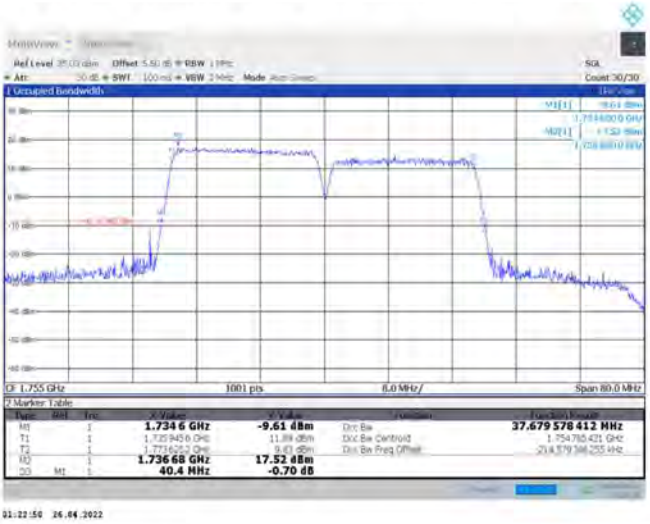

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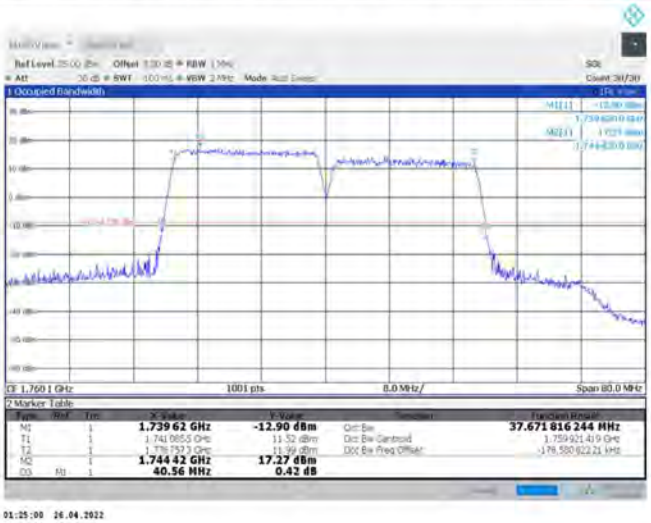

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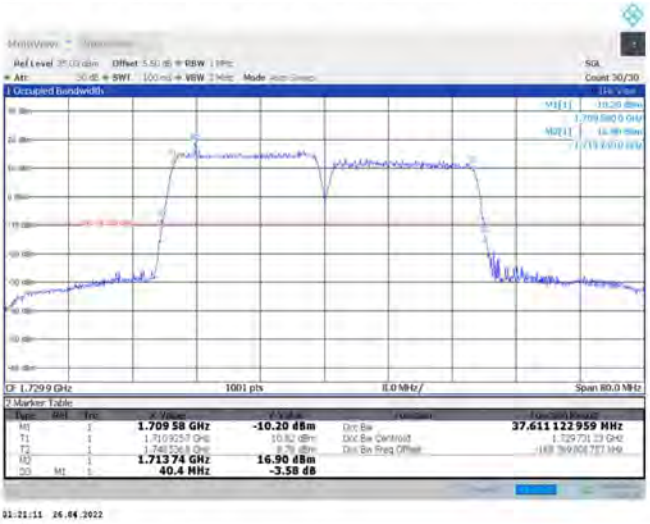

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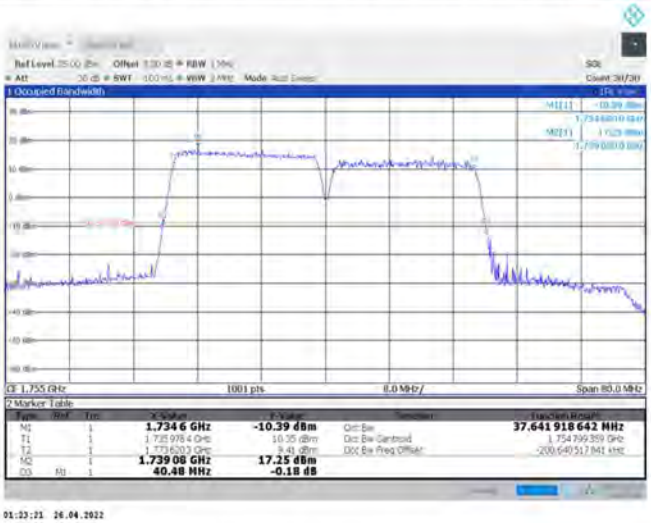

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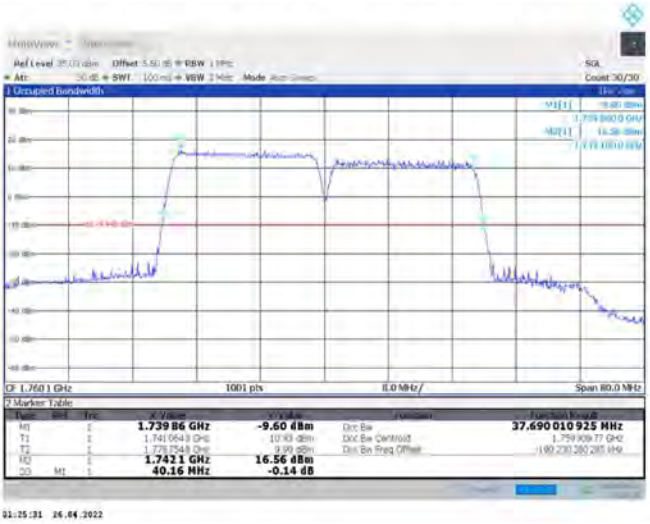

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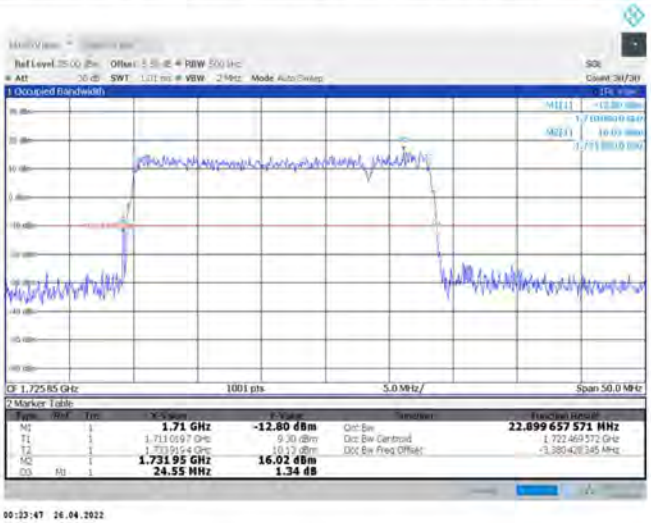

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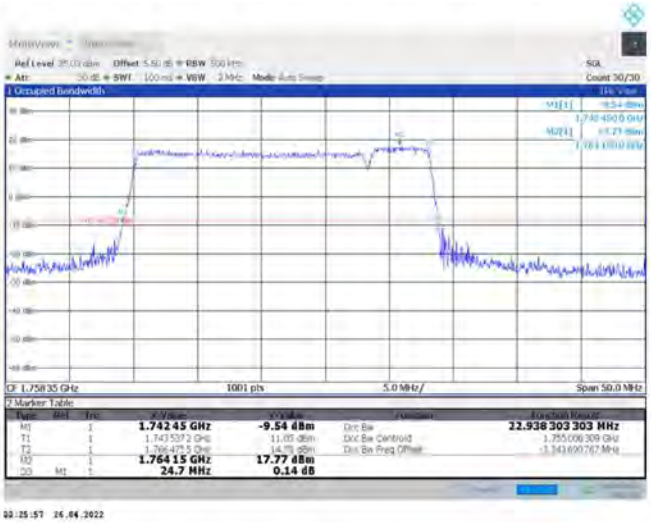

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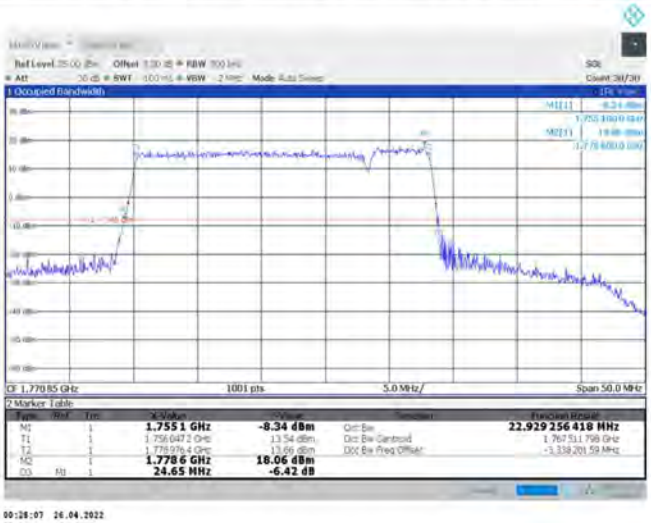

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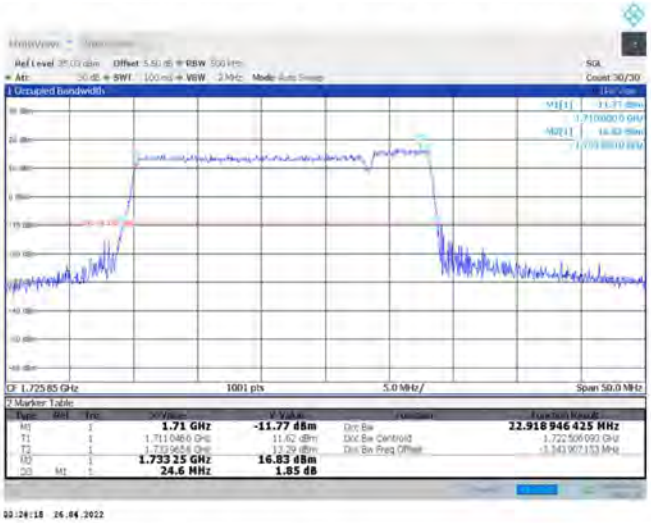

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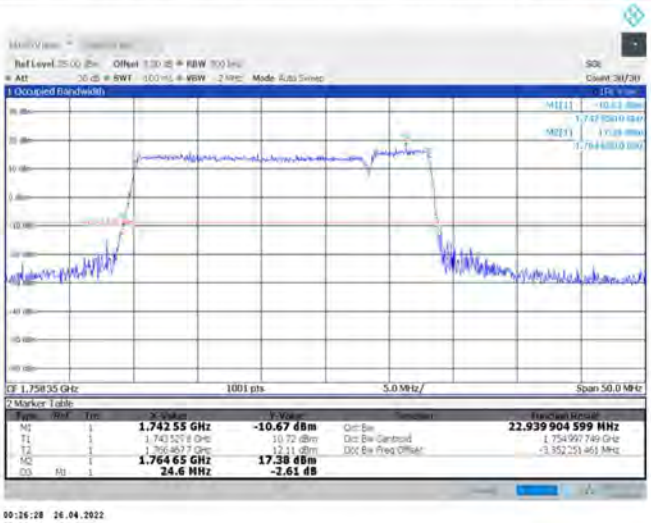

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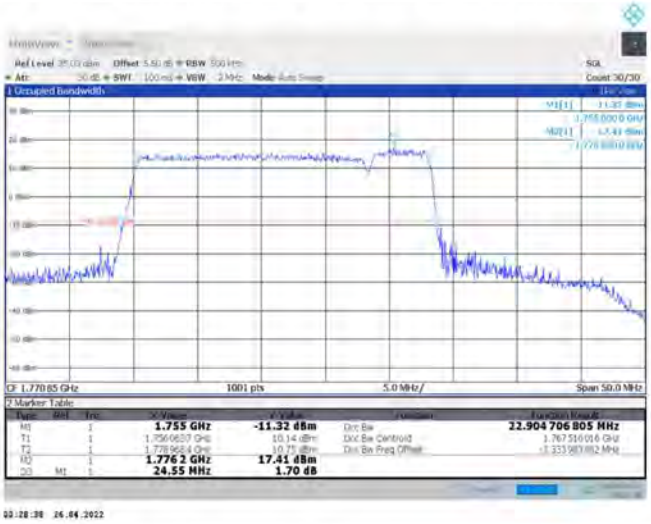

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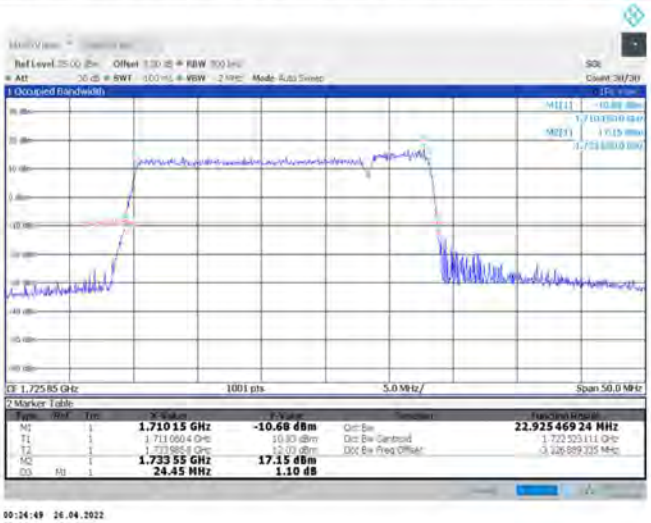

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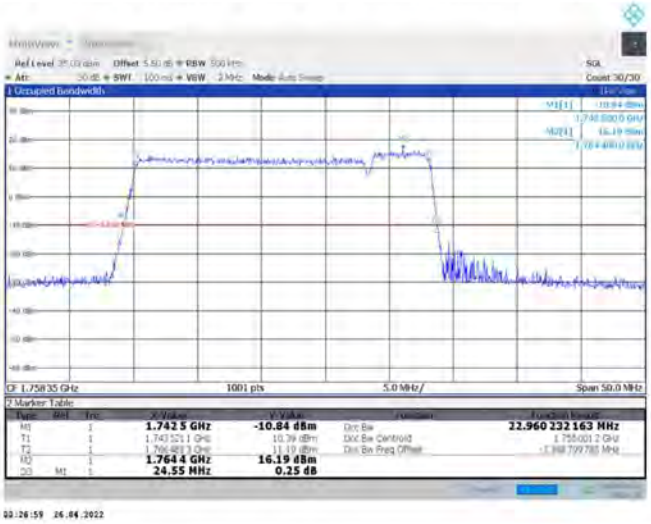

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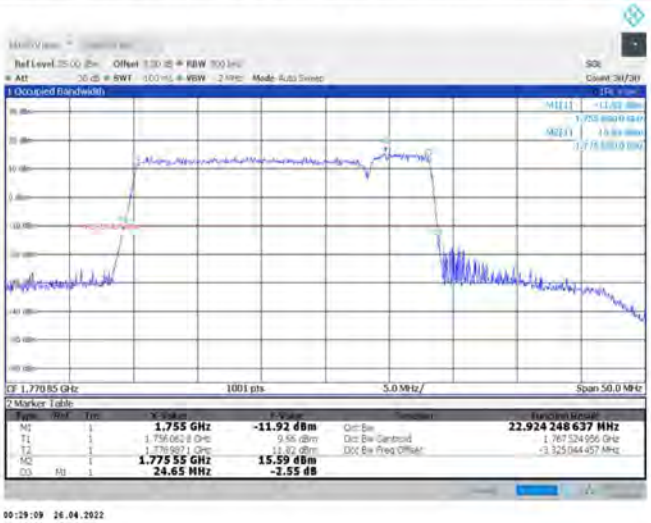

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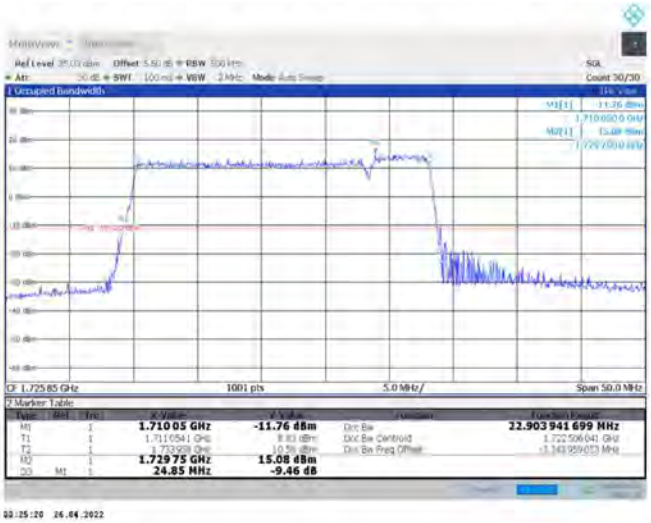

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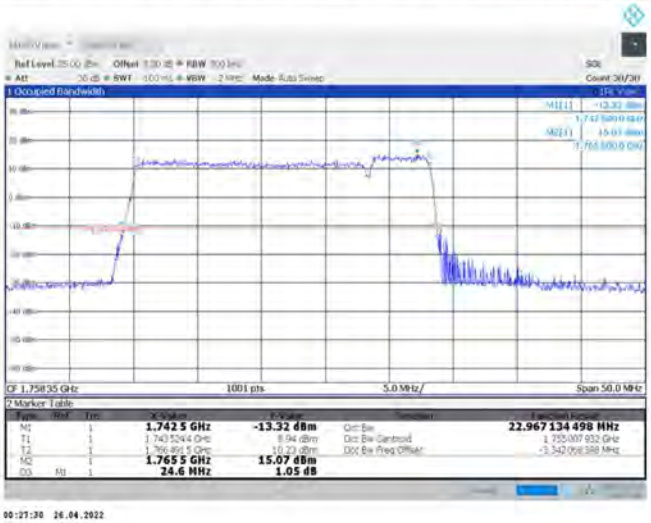

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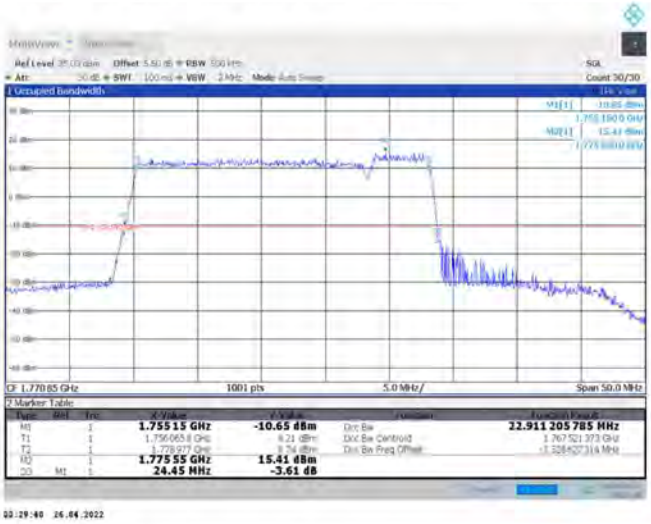

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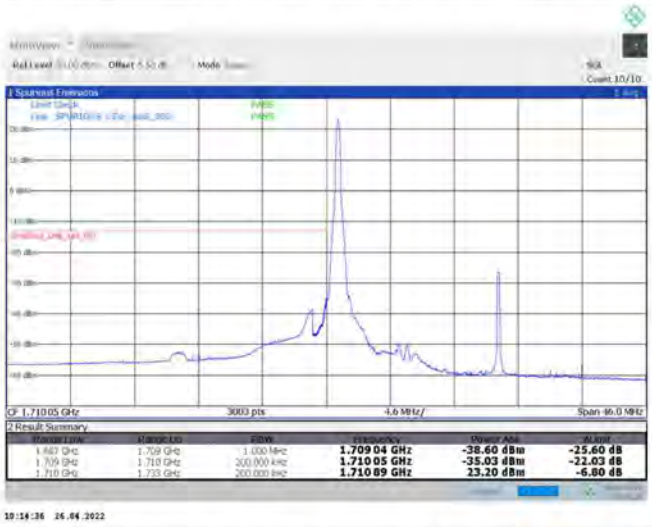
Band Edge

Test Graphs

66-66-10MHz-15MHz-QPSK-QPSK-132025-132145-1RB#0-0RB#0



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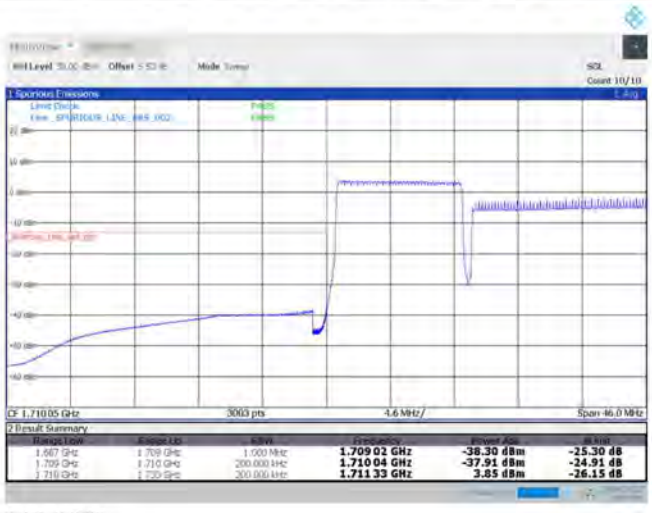

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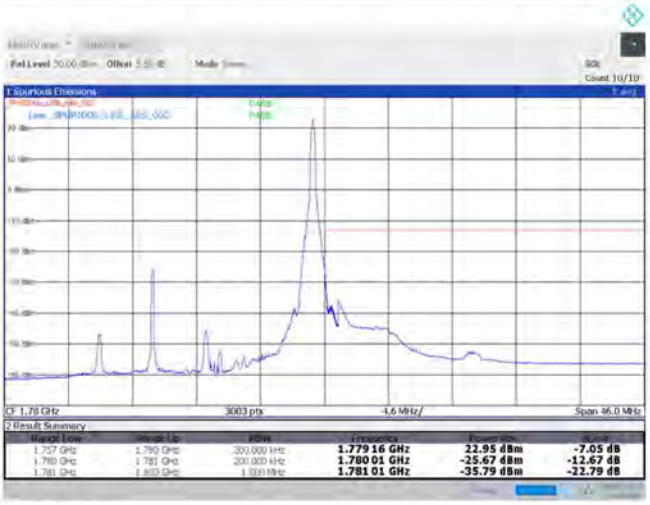
66-66-10MHz-15MHz-QPSK-QPSK-132477-132597-0RB#0-1RB#74



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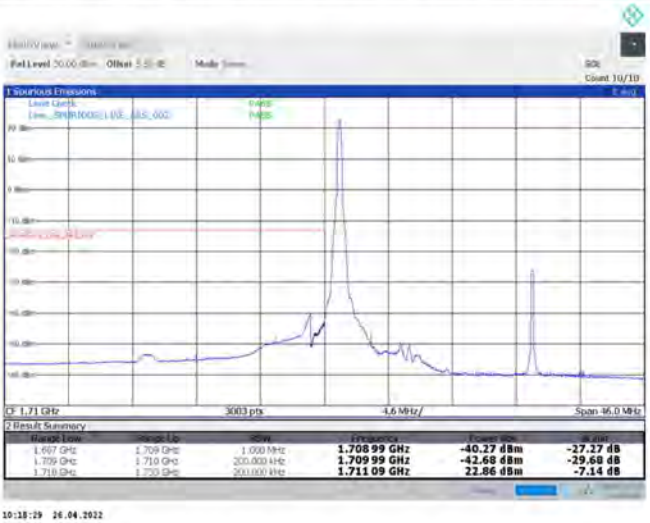
66-66-10MHz-20MHz-QPSK-QPSK-132027-132171-1RB#0-0RB#0



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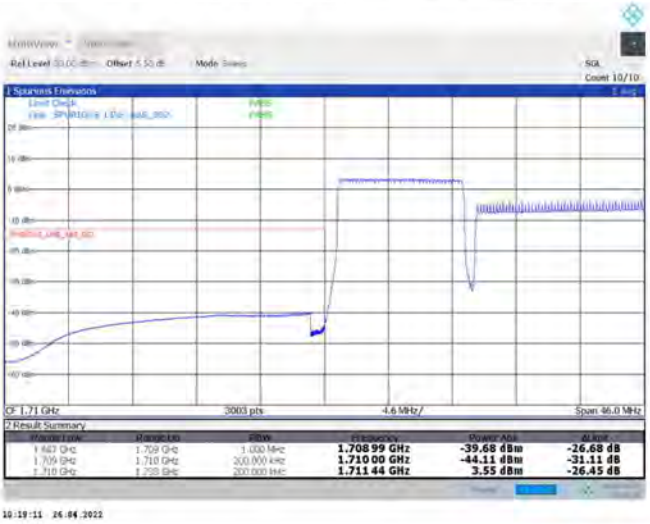

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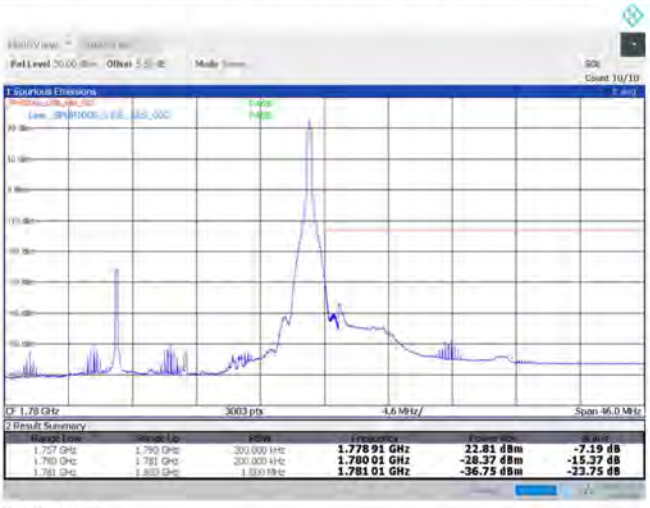
66-66-10MHz-20MHz-QPSK-QPSK-132428-132572-0RB#0-1RB#99



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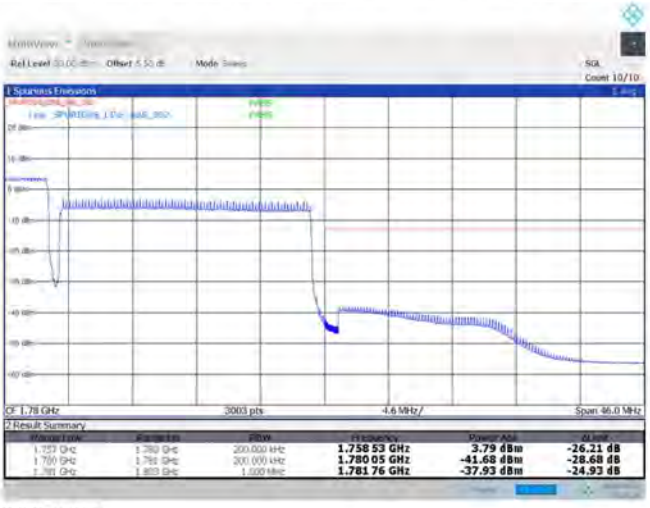

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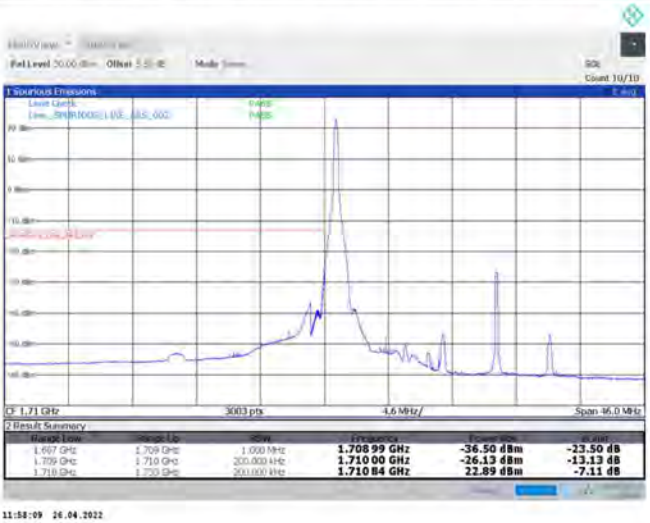
66-66-15MHz-10MHz-QPSK-QPSK-132047-132167-1RB#0-0RB#0



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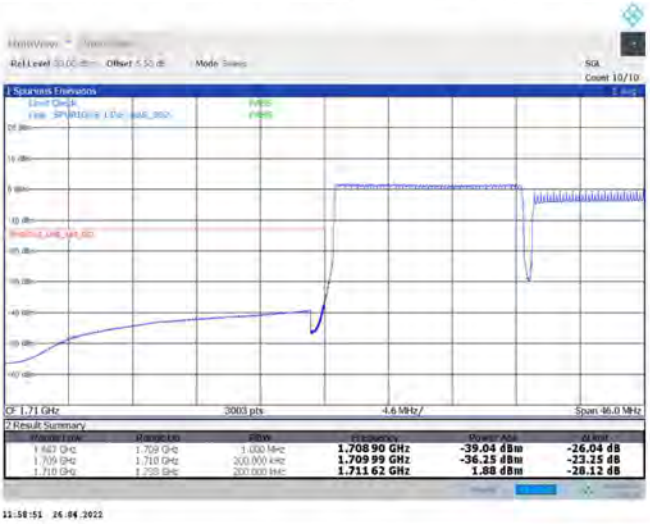

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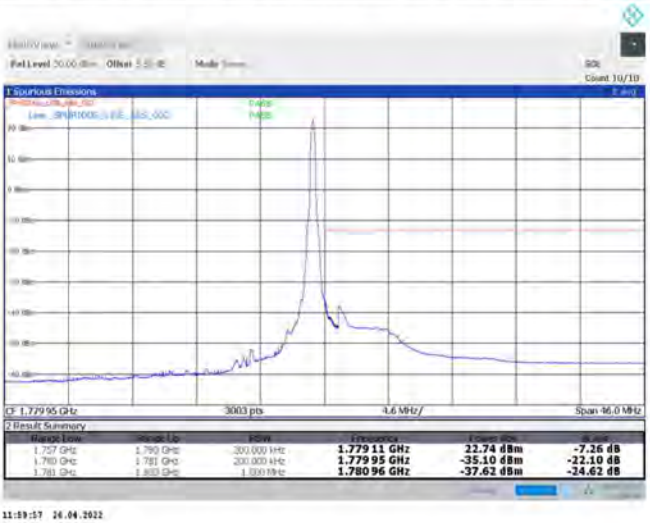
66-66-15MHz-10MHz-QPSK-QPSK-132499-132619-0RB#0-1RB#49



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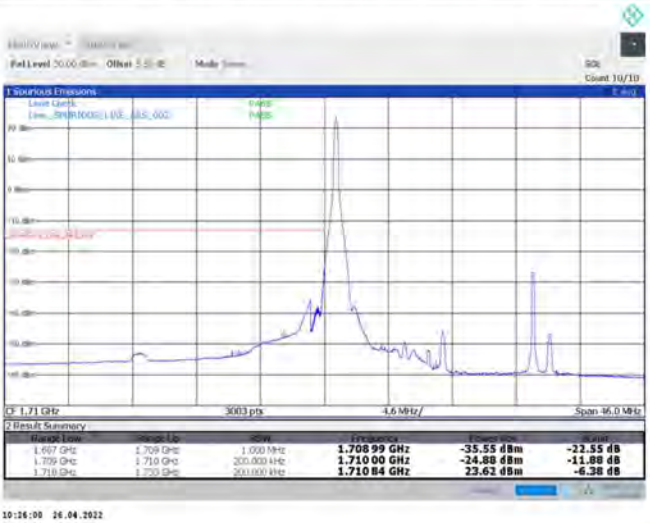

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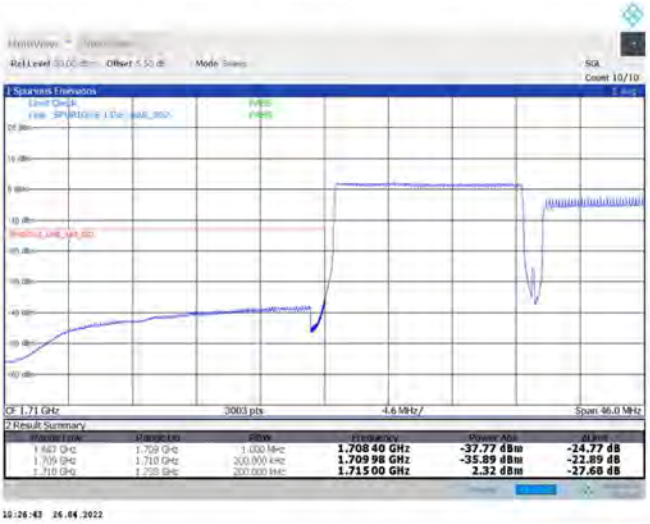

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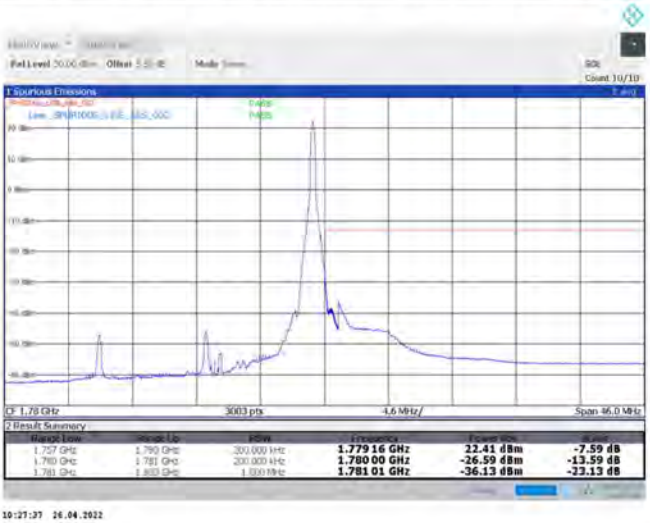
66-66-15MHz-15MHz-QPSK-QPSK-132447-132597-0RB#0-1RB#74



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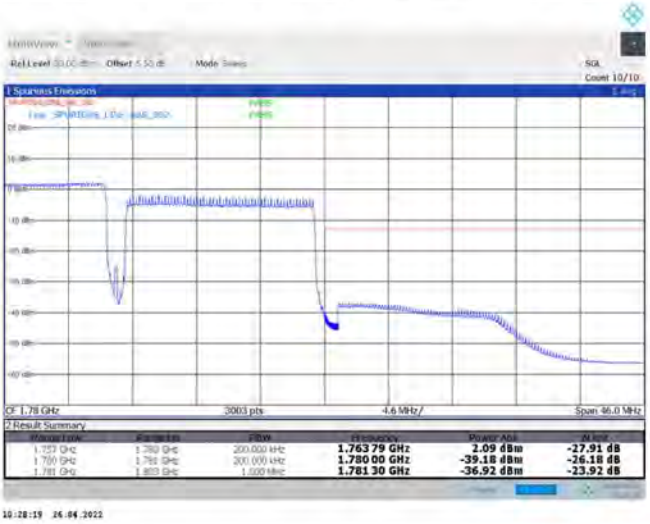

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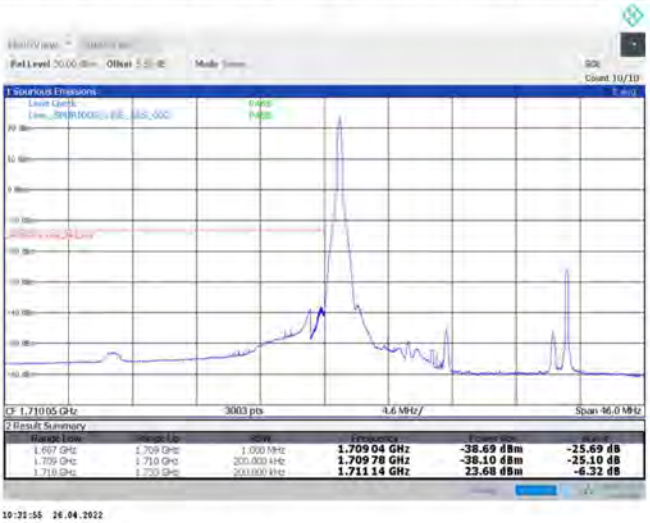

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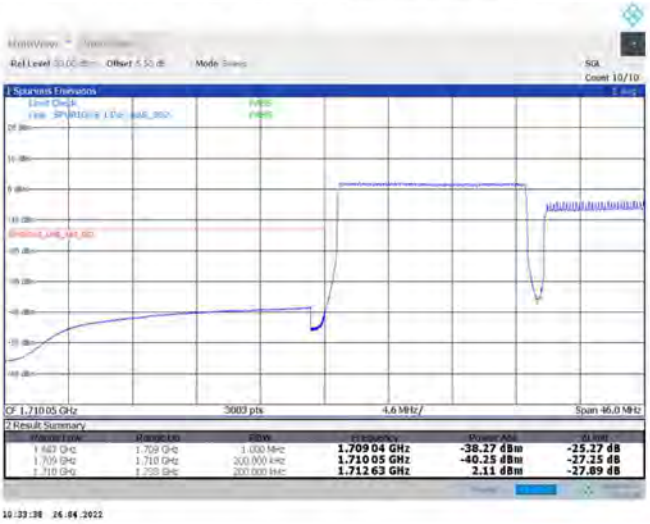

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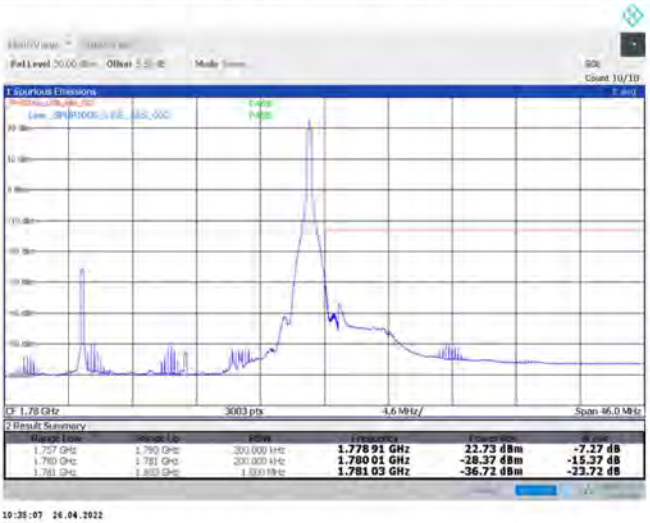

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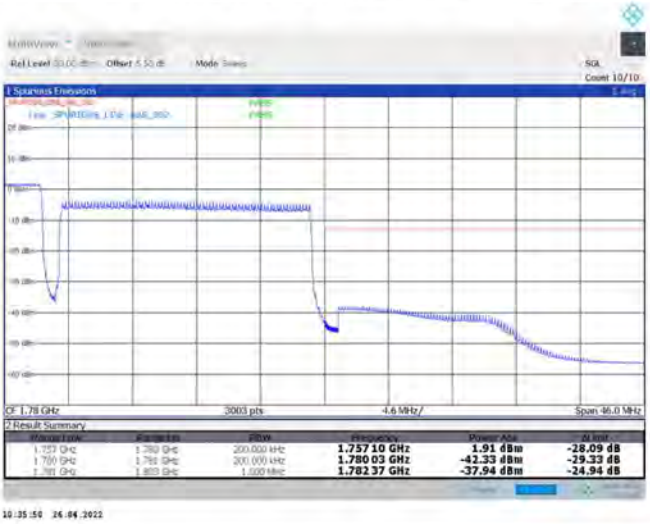

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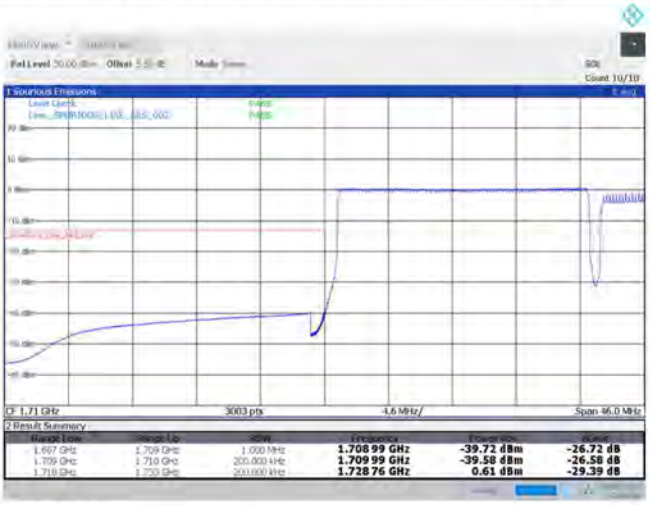

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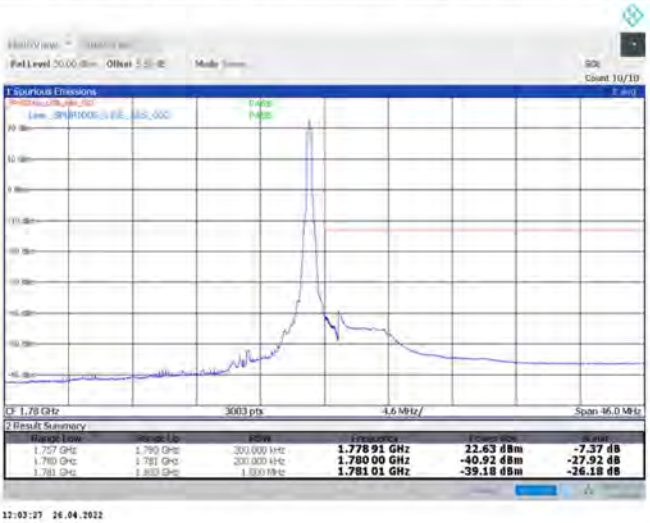

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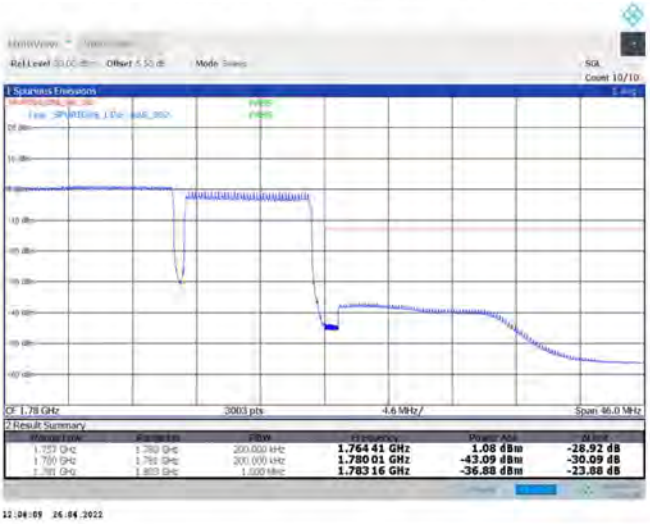

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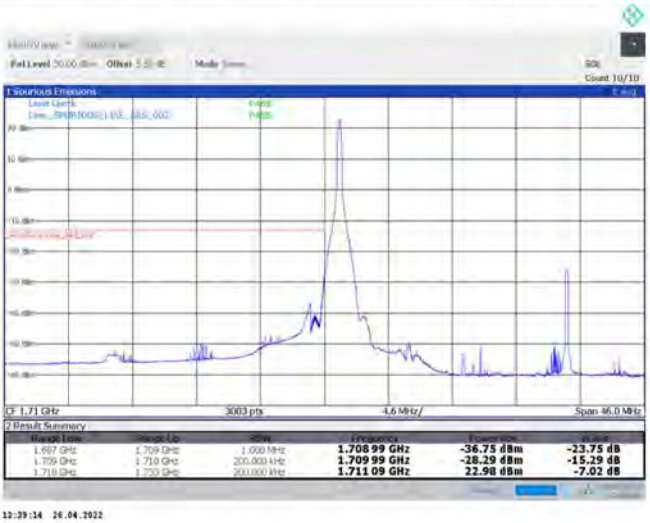
66-66-20MHz-15MHz-QPSK-QPSK-132072-132243-1RB#0-0RB#0



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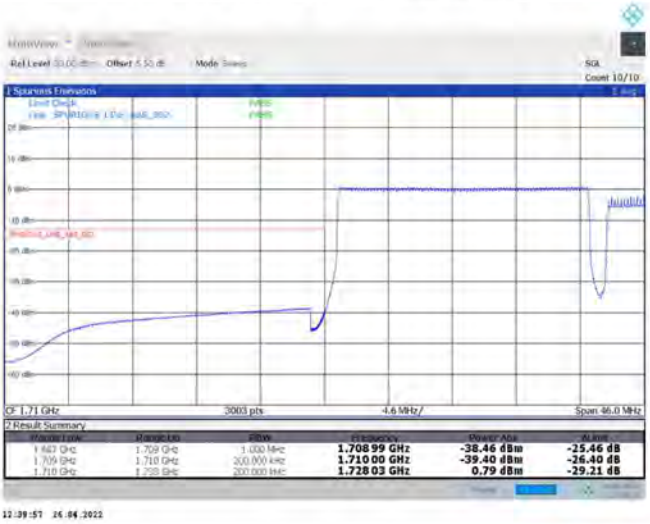

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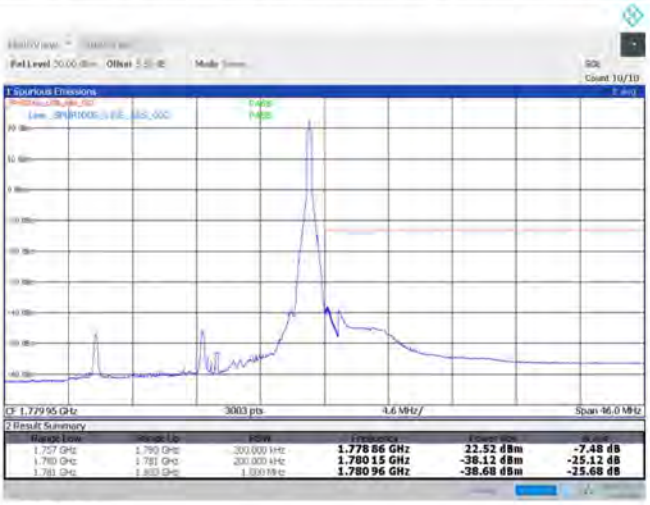

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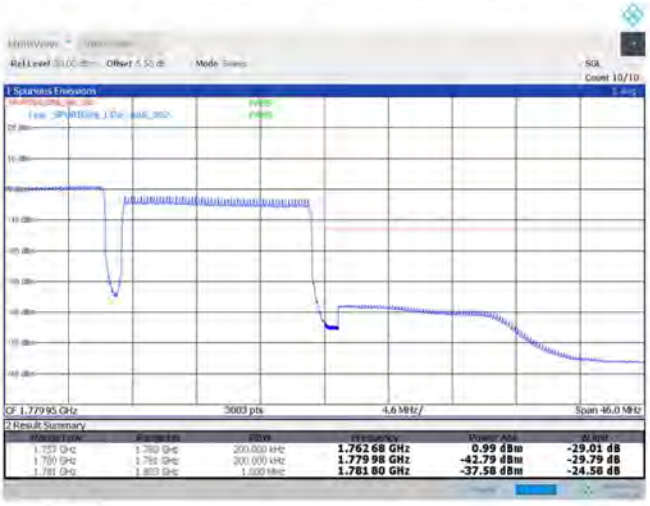

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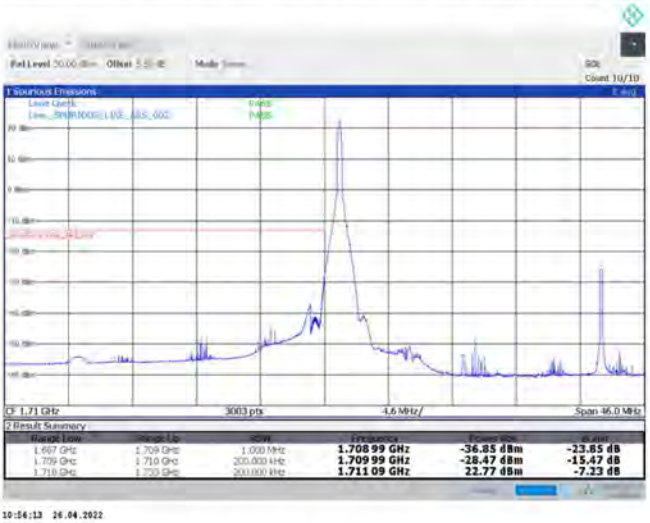

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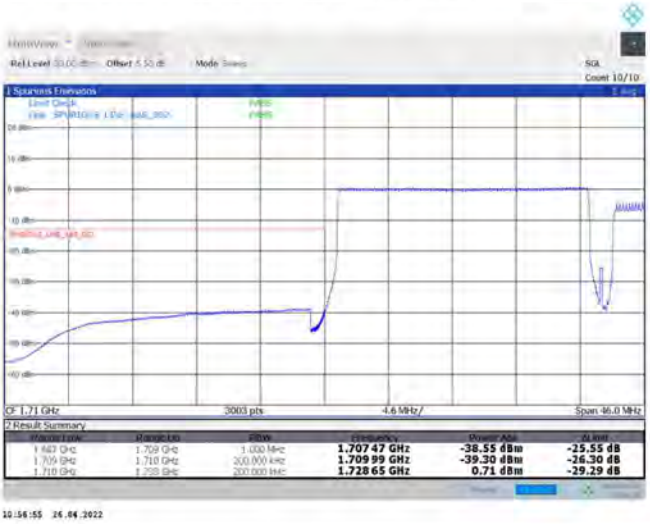

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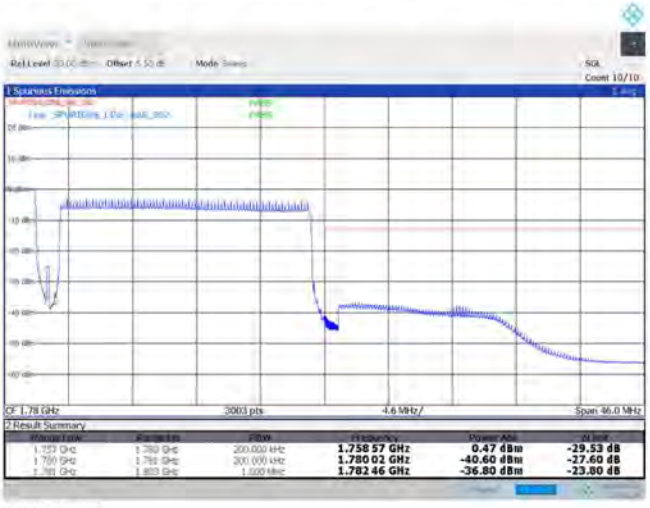
66-66-20MHz-20MHz-QPSK-QPSK-132374-132572-0RB#0-1RB#99

66-66-20MHz-20MHz-QPSK-QPSK-132374-132572-100RB#0-100RB#0



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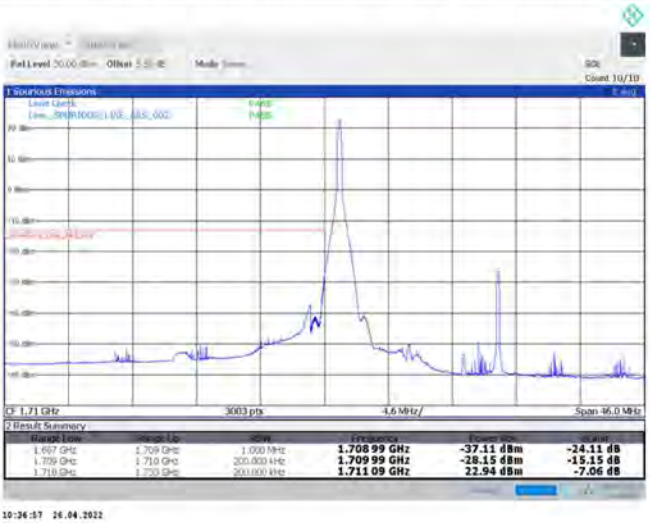
66-66-20MHz-5MHz-QPSK-QPSK-132072-132189-1RB#0-0RB#0



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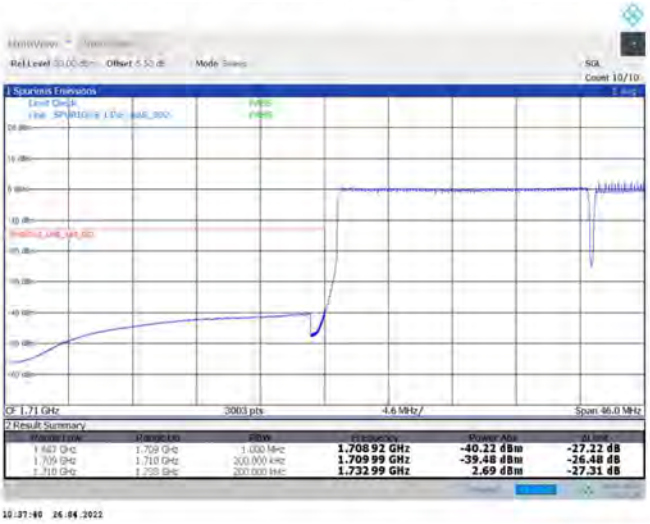

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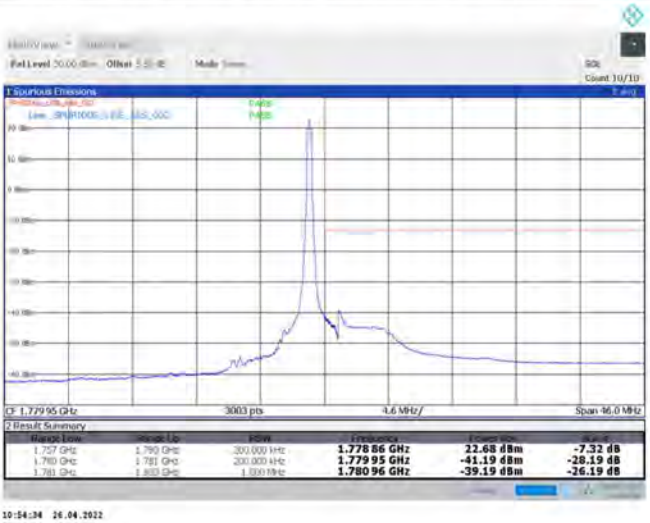

66-66-20MHz-5MHz-QPSK-QPSK-132522-132639-100RB#0-25RB#0

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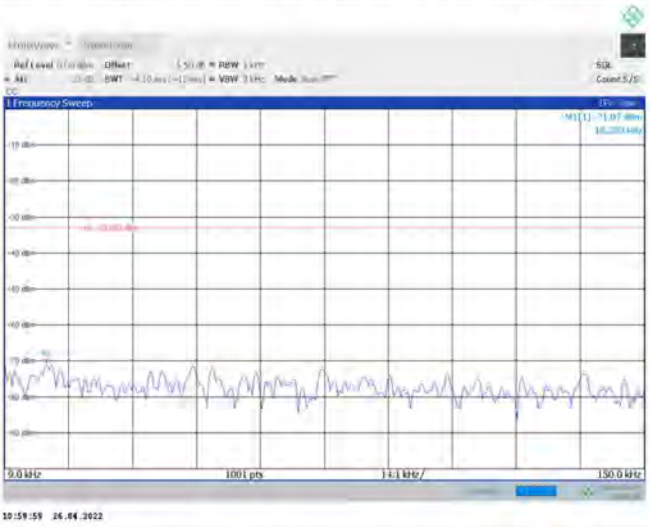
Conducted Spurious Emission

Test Graphs

66-66-20MHz-20MHz-QPSK-QPSK-132072-132270-1RB#0-0RB#0-0.009~0.15MHz



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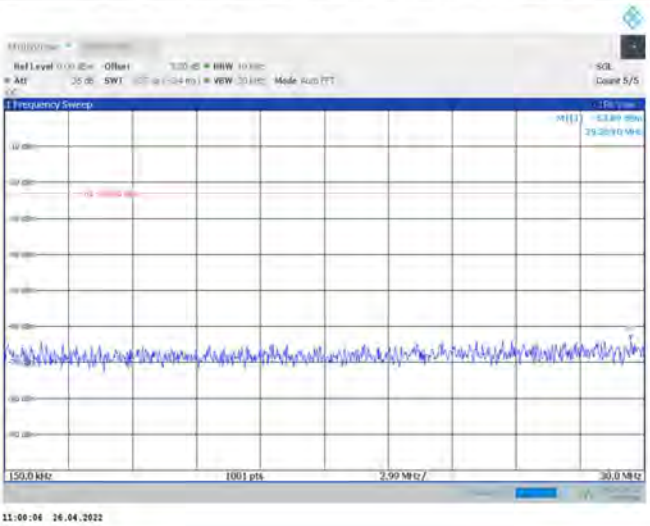

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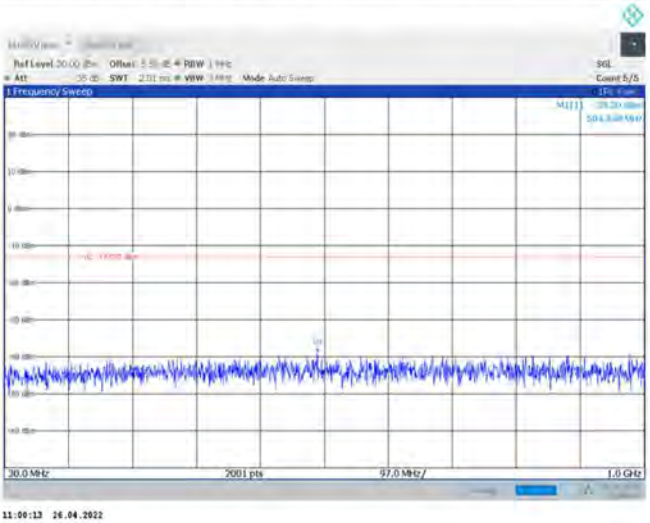
66-66-20MHz-20MHz-QPSK-QPSK-132072-132270-1RB#0-0RB#0-30~1000MHz



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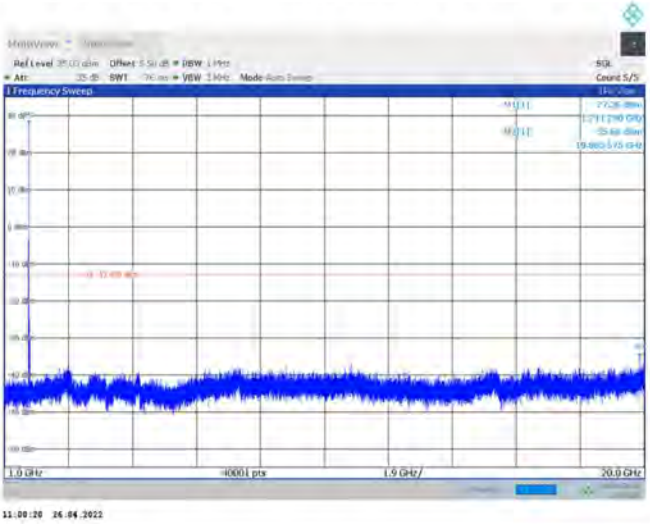

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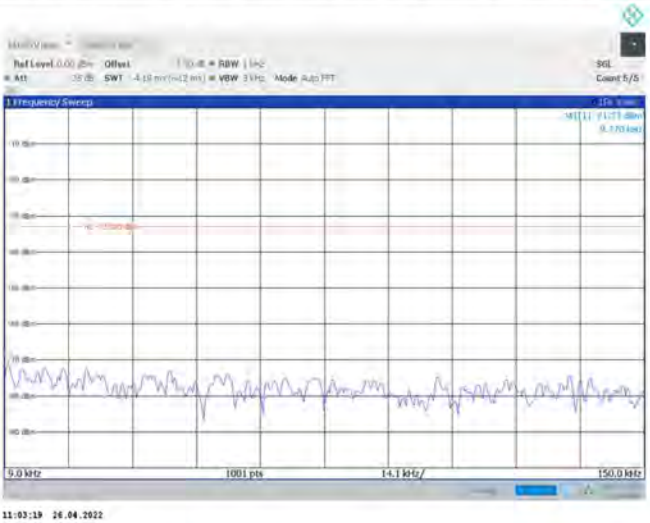
66-66-20MHz-20MHz-QPSK-QPSK-132323-132521-1RB#0-0RB#0-0.009~0.15MHz



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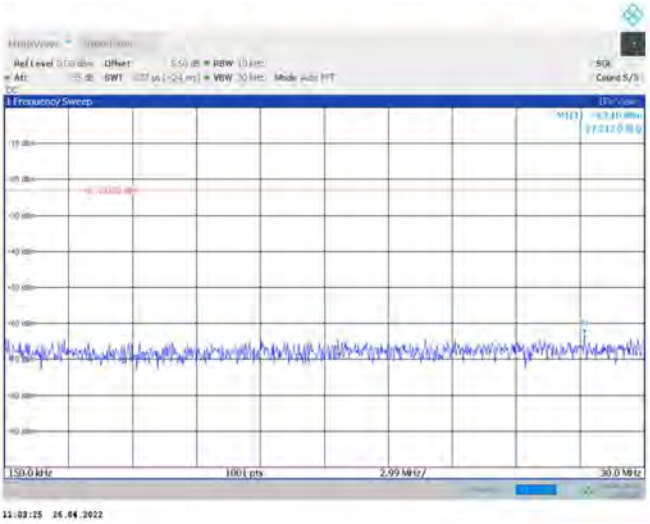

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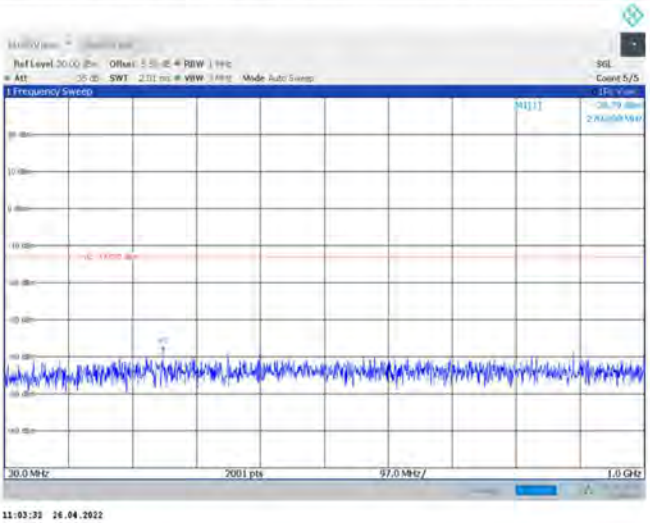

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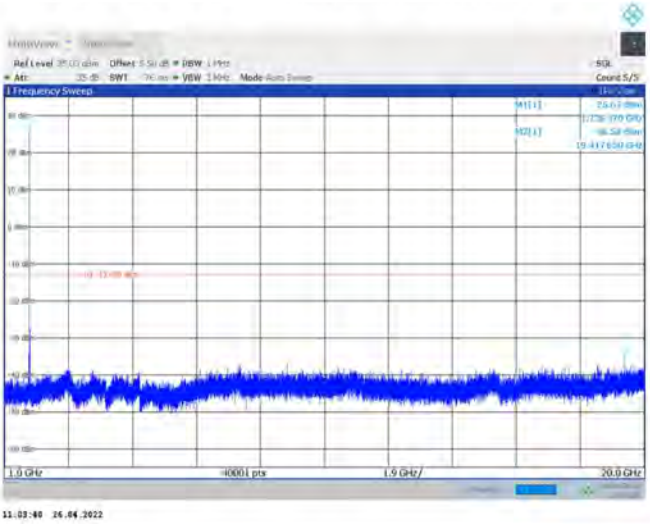

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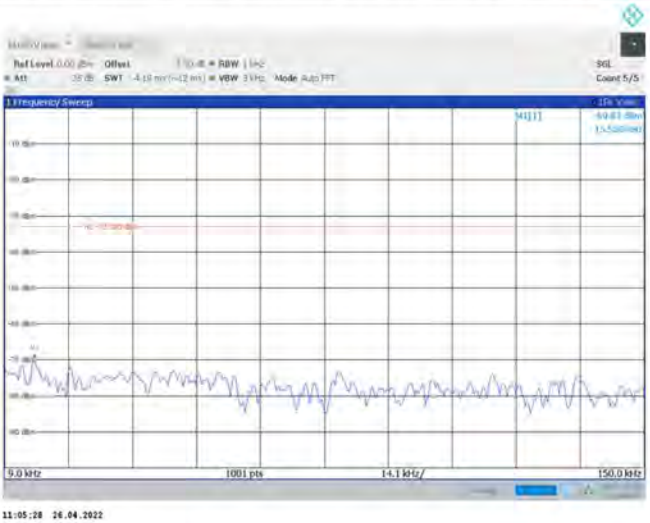
66-66-20MHz-20MHz-QPSK-QPSK-132374-132572-1RB#0-0RB#0-0.009~0.15MHz



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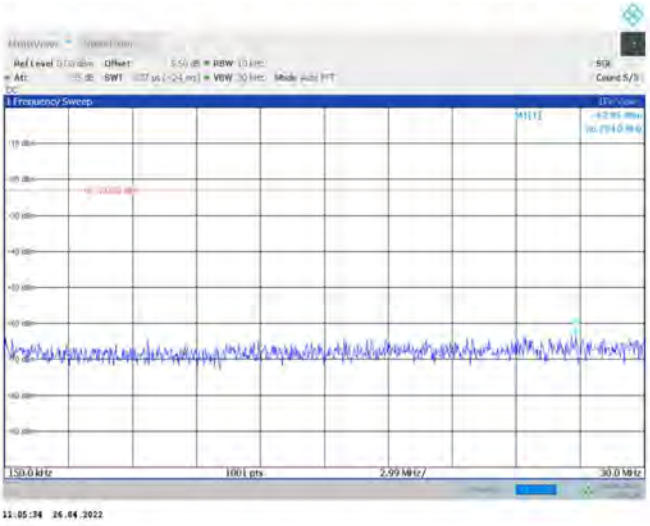

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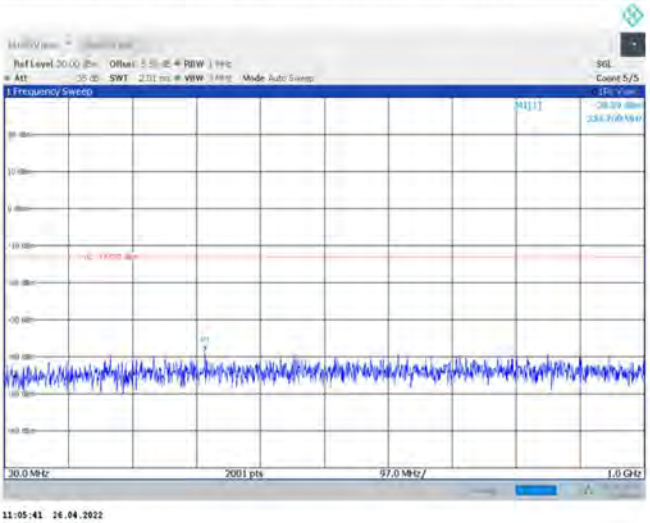
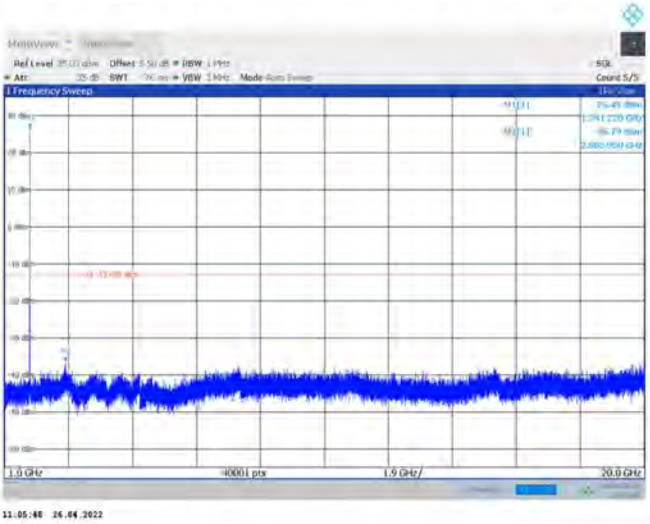


66-66-20MHz-20MHz-QPSK-QPSK-132374-132572-1RB#0-0RB#0-1000~20000MHz



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Field Strength of Spurious Radiation

Test Band = UL CA Band 66C_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3424.1800	42.00	-46.28	29.45	-70.08	-13.00	57.08	152	118	Horizontal
2	5131.7700	39.45	-45.34	32.95	-68.20	-13.00	55.20	142	245	Horizontal
3	6842.3600	39.09	-44.14	35.89	-64.42	-13.00	51.42	169	136	Horizontal
4	8552.9500	36.47	-41.47	37.65	-62.61	-13.00	49.61	182	211	Horizontal
5	10263.5400	32.41	-39.24	38.83	-63.26	-13.00	50.26	142	360	Horizontal
6	11974.1300	29.19	-37.49	38.94	-64.62	-13.00	51.62	136	134	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3424.1800	40.65	-46.28	29.45	-71.43	-13.00	58.43	211	59	Vertical
2	5131.7700	40.04	-45.34	32.95	-67.61	-13.00	54.61	165	254	Vertical
3	6842.3600	39.19	-44.14	35.89	-64.32	-13.00	51.32	184	329	Vertical
4	8552.9500	36.23	-41.47	37.65	-62.85	-13.00	49.85	175	285	Vertical
5	10263.5400	32.68	-39.24	38.83	-62.99	-13.00	49.99	169	208	Vertical
6	11974.1300	29.02	-37.49	38.94	-64.79	-13.00	51.79	251	73	Vertical

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Test Band = UL CA Band 66C_ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3491.3800	42.30	-46.26	29.51	-69.71	-13.00	56.71	211	314	Horizontal
2	5237.0700	41.50	-45.21	32.95	-66.01	-13.00	53.01	154	343	Horizontal
3	6982.7600	40.14	-43.64	36.06	-62.70	-13.00	49.70	185	360	Horizontal
4	8728.4500	35.92	-41.56	37.96	-62.94	-13.00	49.94	196	120	Horizontal
5	10474.1400	32.82	-38.85	38.93	-62.36	-13.00	49.36	305	255	Horizontal
6	12219.8300	30.60	-37.47	39.12	-63.01	-13.00	50.01	177	74	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3491.3800	42.16	-46.26	29.51	-69.85	-13.00	56.85	244	150	Vertical
2	5237.0700	40.17	-45.21	32.95	-67.34	-13.00	54.34	159	30	Vertical
3	6982.7600	38.60	-43.64	36.06	-64.24	-13.00	51.24	186	104	Vertical
4	8728.4500	35.58	-41.56	37.96	-63.28	-13.00	50.28	251	360	Vertical
5	10474.1400	32.93	-38.85	38.93	-62.25	-13.00	49.25	142	360	Vertical
6	12219.8300	31.02	-37.47	39.12	-62.59	-13.00	49.59	260	121	Vertical

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Test Band = UL CA Band 66C_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3521.3800	44.02	-46.23	29.54	-67.93	-13.00	54.93	245	351	Horizontal
2	5282.0700	39.45	-45.12	32.91	-68.02	-13.00	55.02	136	360	Horizontal
3	7042.7600	39.20	-43.84	36.19	-63.70	-13.00	50.70	258	43	Horizontal
4	8803.4500	36.69	-41.25	38.08	-61.74	-13.00	48.74	195	134	Horizontal
5	10564.1400	32.26	-38.59	39.02	-62.56	-13.00	49.56	142	329	Horizontal
6	12324.8300	30.11	-37.45	39.09	-63.51	-13.00	50.51	136	298	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3521.3800	42.38	-46.23	29.54	-69.57	-13.00	56.57	177	88	Vertical
2	5283	47.50	-45.12	32.91	-59.97	-13.00	46.97	145	209	Vertical
3	7042.7600	38.92	-43.84	36.19	-63.98	-13.00	50.98	261	15	Vertical
4	8803.4500	36.32	-41.25	38.08	-62.11	-13.00	49.11	185	26	Vertical
5	10564.1400	32.03	-38.59	39.02	-62.79	-13.00	49.79	169	43	Vertical
6	12324.8300	29.78	-37.45	39.09	-63.84	-13.00	50.84	192	360	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) - Preamplifier (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 (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	VH	NT	43.50	0.024927	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	VL	NT	46.50	0.026646	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	VN	NT	47.20	0.027047	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	50	43.50	0.024927	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	40	39.30	0.022520	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	30	37.30	0.021374	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	20	46.10	0.026417	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	10	49.20	0.028193	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	0	45.50	0.026073	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	-10	42.40	0.024297	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	-20	42.80	0.024526	PASS
66-66	20MHz-20MHz	QPSK-QPSK	132323-132521	100RB#0-100RB#0	NV	-30	43.20	0.024755	PASS

---End of Attachment---

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