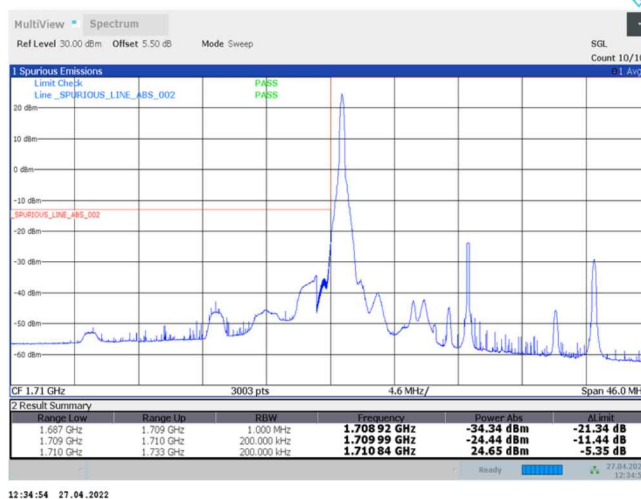


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66-66-15MHz-5MHz-QPSK-QPSK-132047-132140-1RB#0-0RB#0



12:34:54 27.04.2022

66-66-15MHz-5MHz-QPSK-QPSK-132047-132140-75RB#0-25RB#0



12:35:36 27.04.2022



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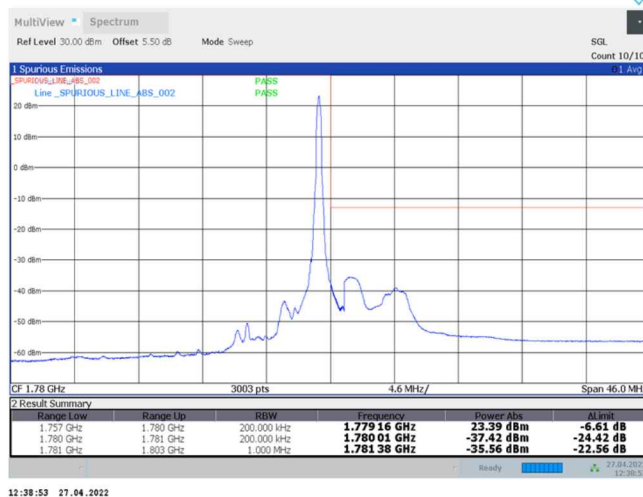
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66-66-15MHz-5MHz-QPSK-QPSK-132549-132642-0RB#0-1RB#24



12:38:53 27.04.2022

66-66-15MHz-5MHz-QPSK-QPSK-132549-132642-75RB#0-25RB#0



12:39:35 27.04.2022



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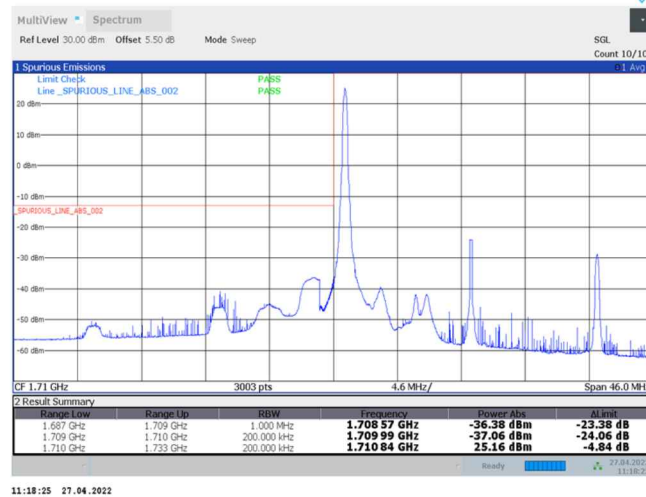
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66-66-5MHz-15MHz-QPSK-QPSK-132002-132095-1RB#0-0RB#0



11:18:25 27.04.2022

66-66-5MHz-15MHz-QPSK-QPSK-132002-132095-25RB#0-75RB#0



11:19:07 27.04.2022



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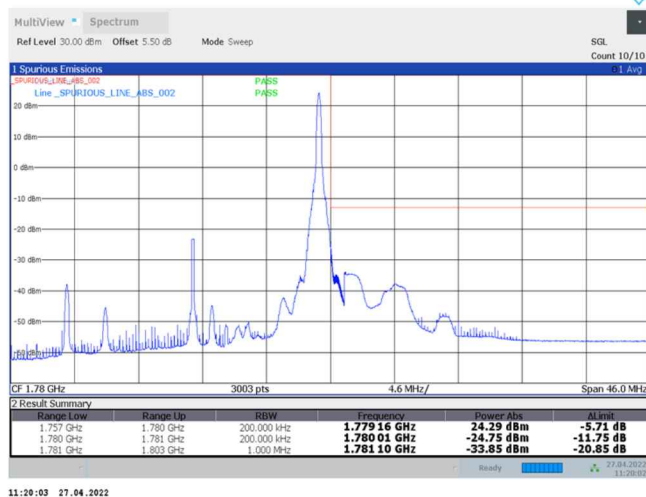
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66-66-5MHz-15MHz-QPSK-QPSK-132504-132597-0RB#0-1RB#74



11:20:03 27.04.2022

66-66-5MHz-15MHz-QPSK-QPSK-132504-132597-25RB#0-75RB#0



11:20:45 27.04.2022



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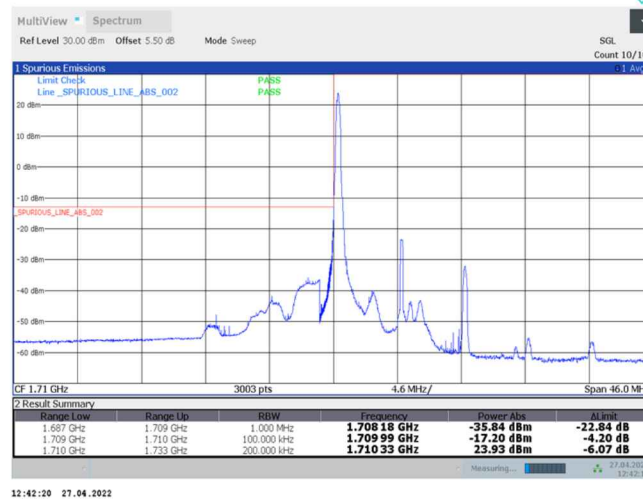
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66-66-5MHz-5MHz-QPSK-QPSK-131997-132045-1RB#0-0RB#0



12:42:20 27.04.2022

66-66-5MHz-5MHz-QPSK-QPSK-131997-132045-25RB#0-25RB#0



12:43:19 27.04.2022



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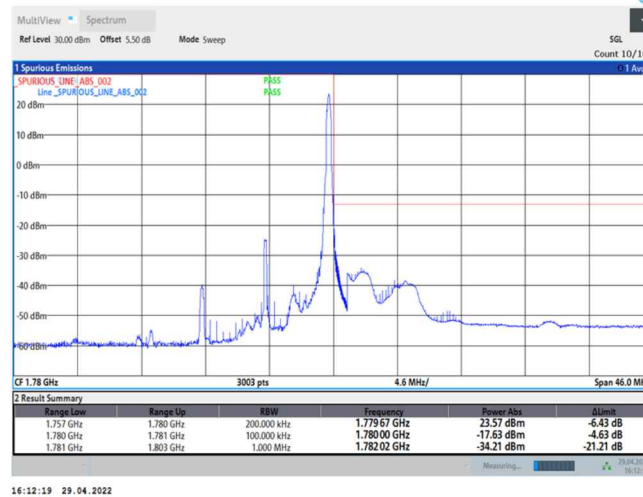
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66-66-5MHz-5MHz-QPSK-QPSK-132599-132647-0RB#0-1RB#24



66-66-5MHz-5MHz-QPSK-QPSK-132599-132647-25RB#0-25RB#0



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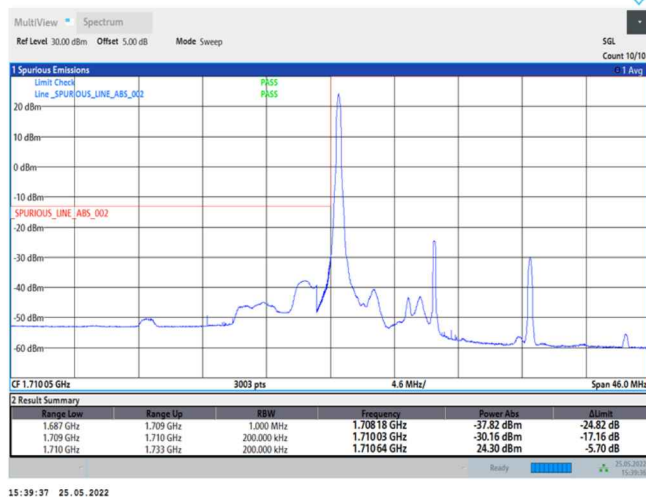
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66-66-5MHz-10MHz-QPSK-QPSK-132000-132072-1RB#0-0RB#0



15:39:37 25.05.2022

66-66-5MHz-10MHz-QPSK-QPSK-132000-132072-25RB#0-50RB#0



15:40:19 25.05.2022



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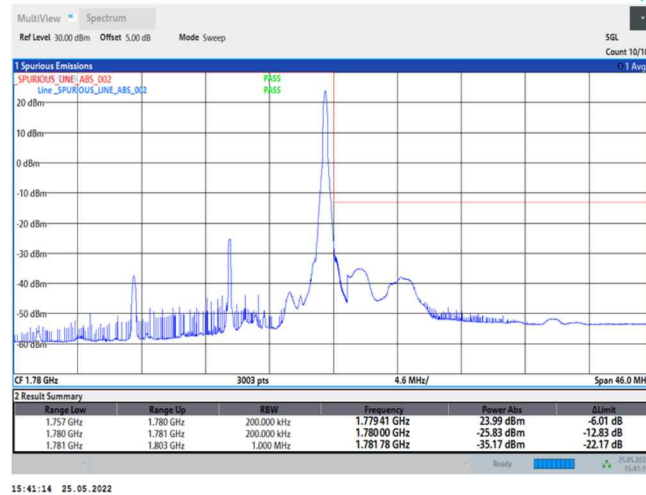
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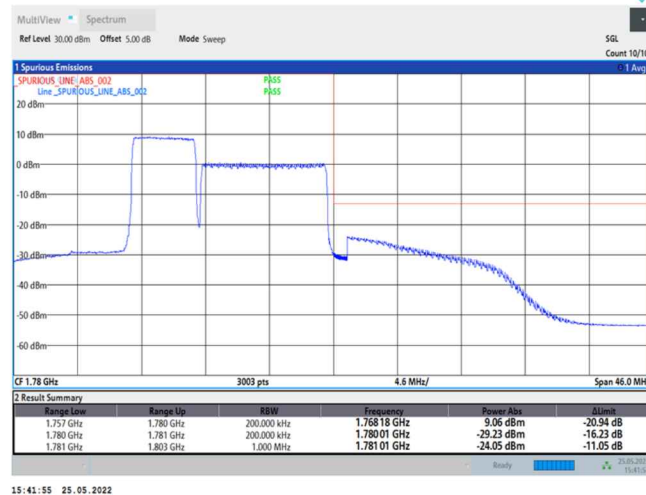
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66-66-5MHz-10MHz-QPSK-QPSK-132550-132622-0RB#0-1RB#49



66-66-5MHz-10MHz-QPSK-QPSK-132550-132622-25RB#0-50RB#0



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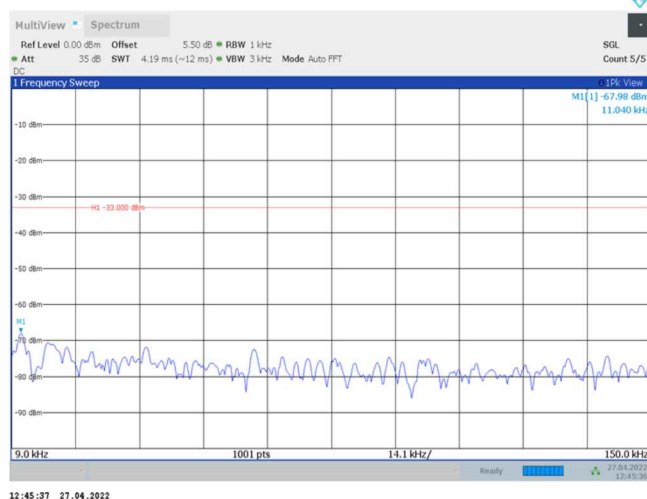
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Conducted Spurious Emission

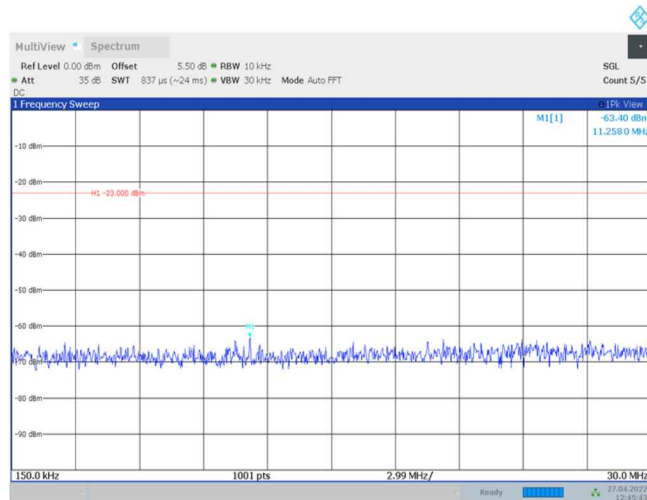
Test Graphs

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12:45:37 27.04.2022

66-66-10MHz-10MHz-QPSK-QPSK-132022-132121-1RB#0-0RB#0-0.15~30MHz



12:45:44 27.04.2022



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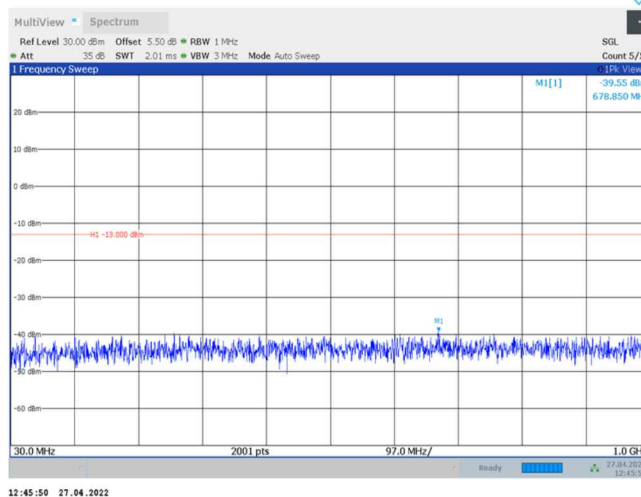
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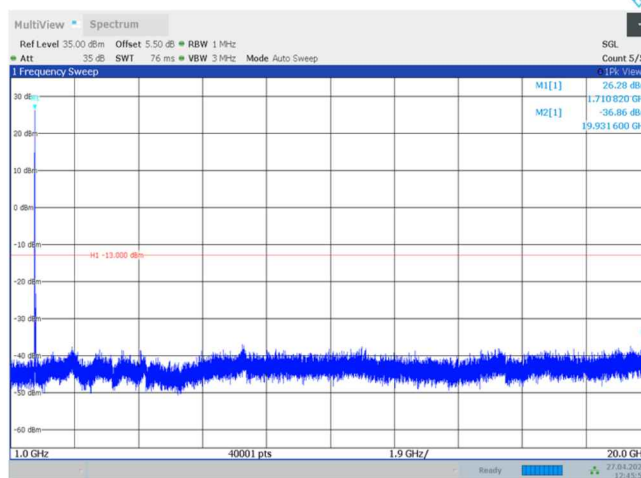
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12:45:50 27.04.2022

66-66-10MHz-10MHz-QPSK-QPSK-132022-132121-1RB#0-0RB#0-1000~20000MHz



12:45:58 27.04.2022



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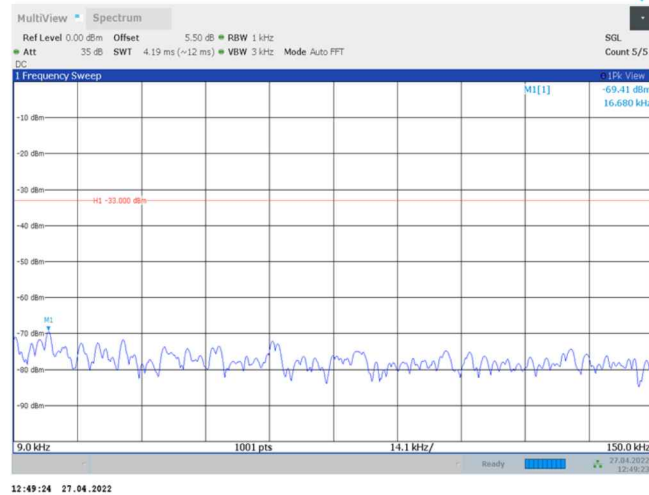
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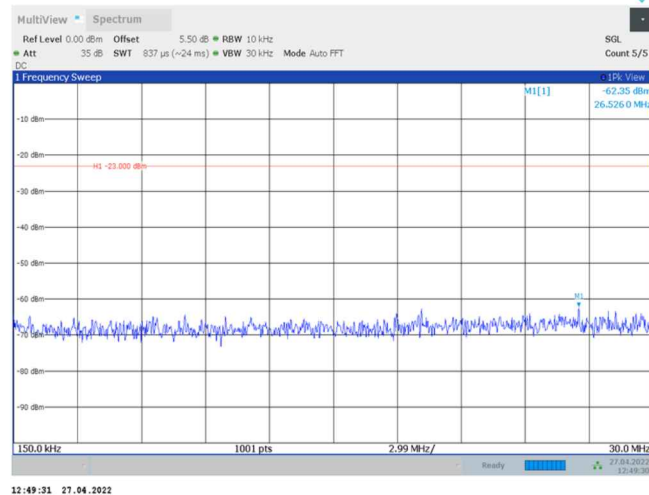
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66-66-10MHz-10MHz-QPSK-QPSK-132373-132472-1RB#0-0RB#0-0.009~0.15MHz



66-66-10MHz-10MHz-QPSK-QPSK-132373-132472-1RB#0-0RB#0-0.15~30MHz



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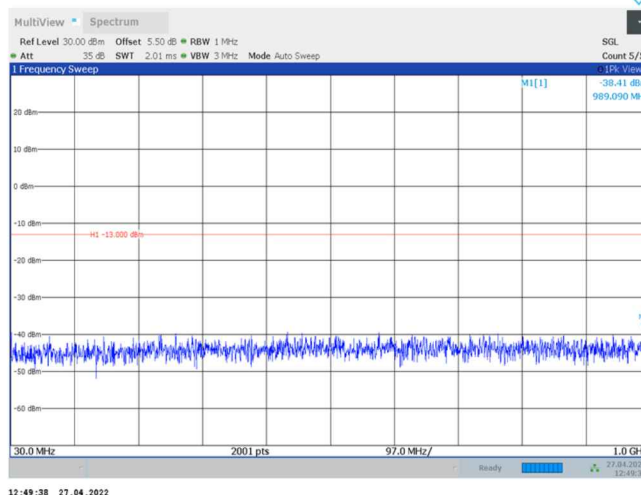
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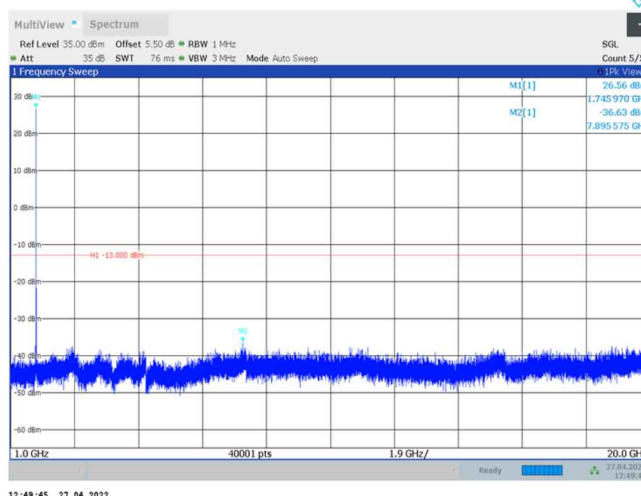
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66-66-10MHz-10MHz-QPSK-QPSK-132373-132472-1RB#0-0RB#0-30~1000MHz



12:49:38 27.04.2022

66-66-10MHz-10MHz-QPSK-QPSK-132373-132472-1RB#0-0RB#0-1000~20000MHz



12:49:45 27.04.2022



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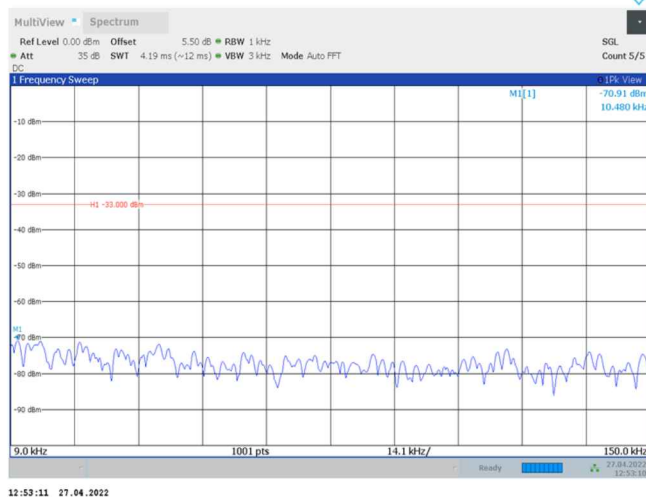
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Report No.: SEWA2309000114RG01

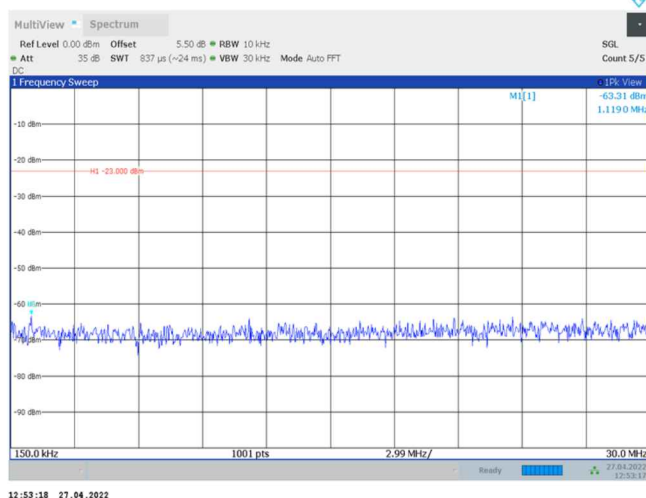
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66-66-10MHz-10MHz-QPSK-QPSK-132523-132622-1RB#0-0RB#0-0.009~0.15MHz



66-66-10MHz-10MHz-QPSK-QPSK-132523-132622-1RB#0-0RB#0-0.15~30MHz



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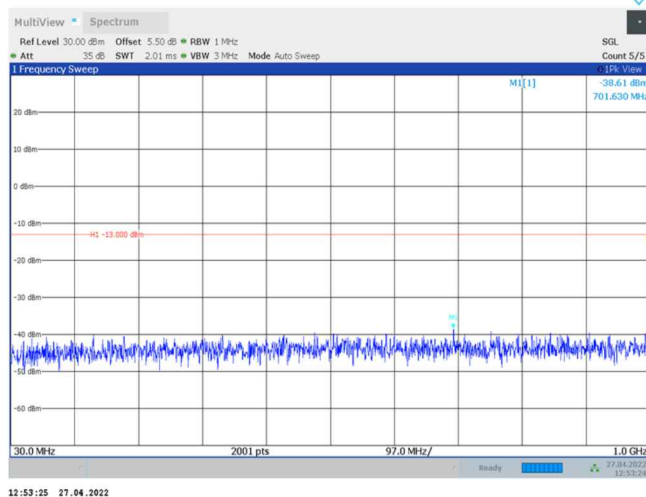
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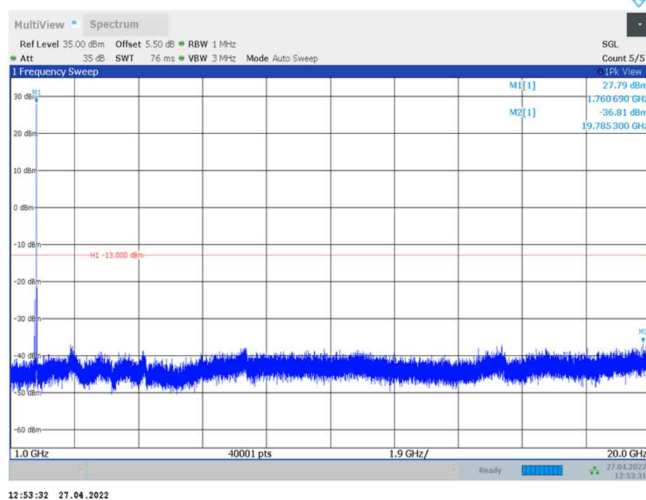
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66-66-10MHz-10MHz-QPSK-QPSK-132523-132622-1RB#0-0RB#0-30~1000MHz



66-66-10MHz-10MHz-QPSK-QPSK-132523-132622-1RB#0-0RB#0-1000~20000MHz



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Field Strength of Spurious Radiation

Test Band = UL CA Band 66B_ 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	3404.1800	42.19	-46.28	29.43	-69.92	-13.00	56.92	228	87	Horizontal
2	5106.2700	40.06	-45.36	32.94	-67.63	-13.00	54.63	142	73	Horizontal
3	6808.3600	39.82	-44.16	35.85	-63.75	-13.00	50.75	136	360	Horizontal
4	8510.4500	36.59	-41.59	37.56	-62.70	-13.00	49.70	299	360	Horizontal
5	10212.5400	33.44	-39.45	38.81	-62.45	-13.00	49.45	250	4	Horizontal
6	11914.6300	29.62	-37.18	38.88	-63.94	-13.00	50.94	143	360	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	3404.1800	40.96	-46.28	29.43	-71.15	-13.00	58.15	254	59	Vertical
2	5106.2700	39.92	-45.36	32.94	-67.77	-13.00	54.77	136	344	Vertical
3	6808.3600	40.51	-44.16	35.85	-63.06	-13.00	50.06	259	254	Vertical
4	8510.4500	36.89	-41.59	37.56	-62.40	-13.00	49.40	185	360	Vertical
5	10212.5400	32.99	-39.45	38.81	-62.90	-13.00	49.90	140	59	Vertical
6	11914.6300	29.85	-37.18	38.88	-63.71	-13.00	50.71	129	118	Vertical



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Test Band = UL CA Band 66B_ 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	3472.3800	44.35	-46.27	29.50	-67.68	-13.00	54.68	174	342	Horizontal
2	5208.5700	41.49	-45.26	32.98	-66.05	-13.00	53.05	158	329	Horizontal
3	6944.7600	38.77	-43.85	36.01	-64.33	-13.00	51.33	196	25	Horizontal
4	8680.9500	36.80	-41.62	37.88	-62.20	-13.00	49.20	142	233	Horizontal
5	10417.1400	33.07	-38.97	38.88	-62.29	-13.00	49.29	236	216	Horizontal
6	12153.3300	31.21	-37.42	39.09	-62.38	-13.00	49.38	251	46	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	3472.3800	42.46	-46.27	29.50	-69.57	-13.00	56.57	159	13	Vertical
2	5208.5700	43.31	-45.26	32.98	-64.23	-13.00	51.23	182	58	Vertical
3	6944.7600	40.21	-43.85	36.01	-62.89	-13.00	49.89	193	103	Vertical
4	8680.9500	37.78	-41.62	37.88	-61.22	-13.00	48.22	171	29	Vertical
5	10417.1400	32.65	-38.97	38.88	-62.71	-13.00	49.71	142	13	Vertical
6	12153.3300	30.97	-37.42	39.09	-62.62	-13.00	49.62	160	238	Vertical



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Test Band = UL CA Band 66B_ 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	3482.5800	42.13	-46.26	29.50	-69.89	-13.00	56.89	222	360	Horizontal
2	5223.8700	40.25	-45.23	32.97	-67.28	-13.00	54.28	301	43	Horizontal
3	6965.1600	39.34	-43.74	36.04	-63.62	-13.00	50.62	154	103	Horizontal
4	8706.4500	36.81	-41.66	37.93	-62.18	-13.00	49.18	183	178	Horizontal
5	10447.7400	32.94	-38.91	38.91	-62.32	-13.00	49.32	251	360	Horizontal
6	12189.0300	30.39	-37.47	39.12	-63.22	-13.00	50.22	199	269	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	3482.5800	42.30	-46.26	29.50	-69.72	-13.00	56.72	204	74	Vertical
2	5223.8700	40.63	-45.23	32.97	-66.90	-13.00	53.90	187	238	Vertical
3	6965.1600	39.61	-43.74	36.04	-63.35	-13.00	50.35	198	252	Vertical
4	8706.4500	38.12	-41.66	37.93	-60.87	-13.00	47.87	145	209	Vertical
5	10447.7400	32.75	-38.91	38.91	-62.51	-13.00	49.51	156	351	Vertical
6	12189.0300	31.26	-37.47	39.12	-62.35	-13.00	49.35	135	351	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 (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	VH	NT	22.50	0.012856	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	VL	NT	19.70	0.011256	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	VN	NT	20.60	0.011771	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	50	11.20	0.006400	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	40	15.10	0.008628	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	30	17.40	0.009942	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	20	14.90	0.008514	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	10	20.40	0.011656	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	0	19.70	0.011256	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	-10	20.40	0.011656	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	-20	23.60	0.013485	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	-30	20.50	0.011714	PASS

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