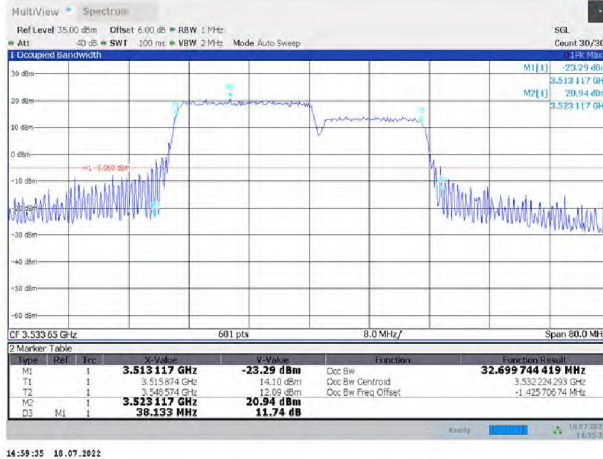
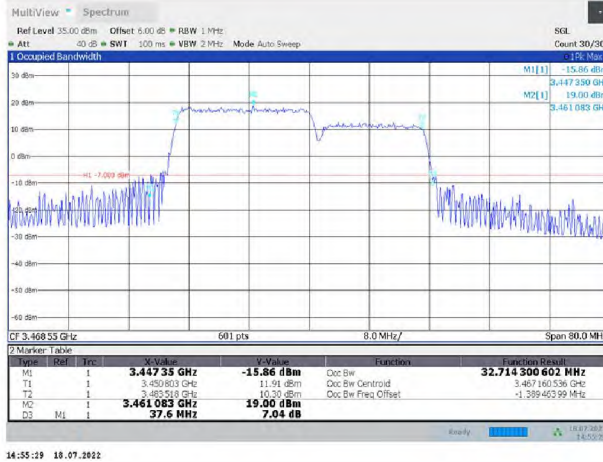


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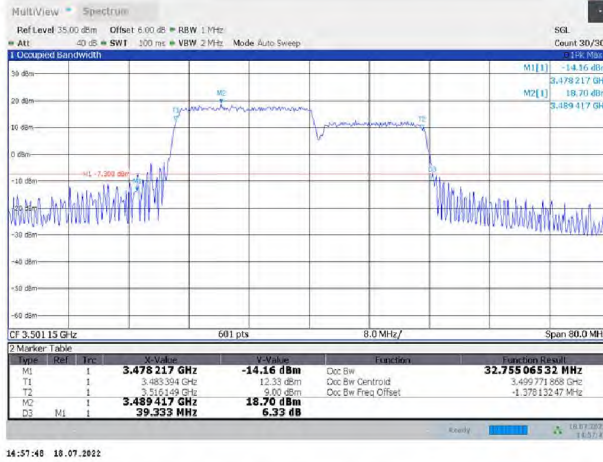


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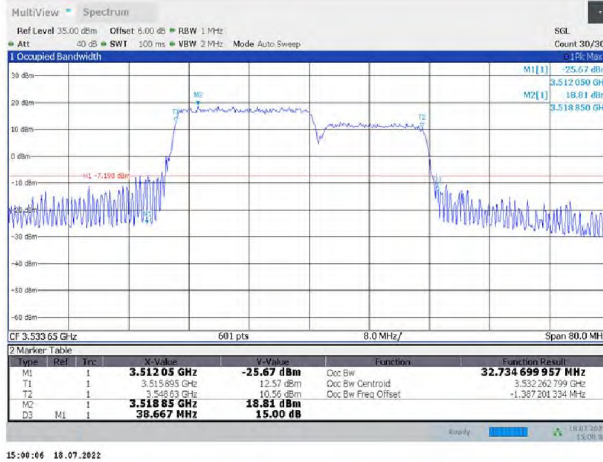
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42-42-20MHz-15MHz-256QAM-256QAM-42516-42687-100RB#0-75RB#0



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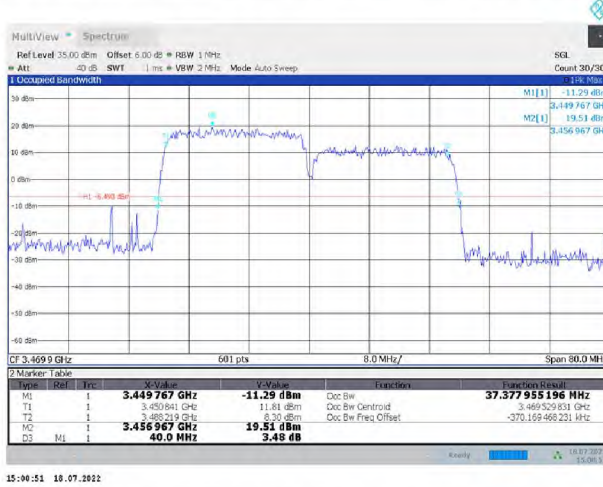


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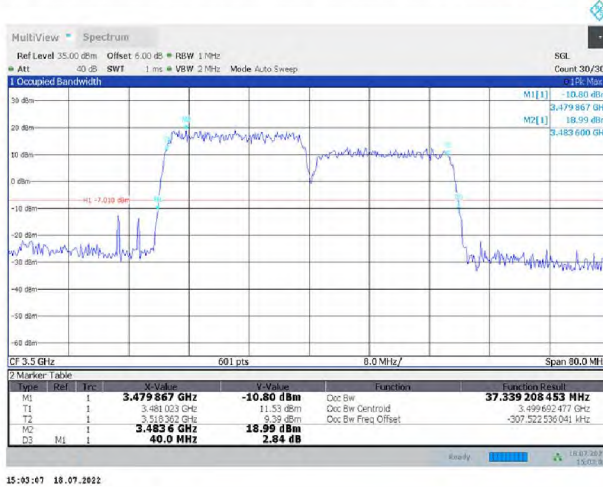
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42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-100RB#0-100RB#0



42-42-20MHz-20MHz-QPSK-QPSK-42491-42689-100RB#0-100RB#0



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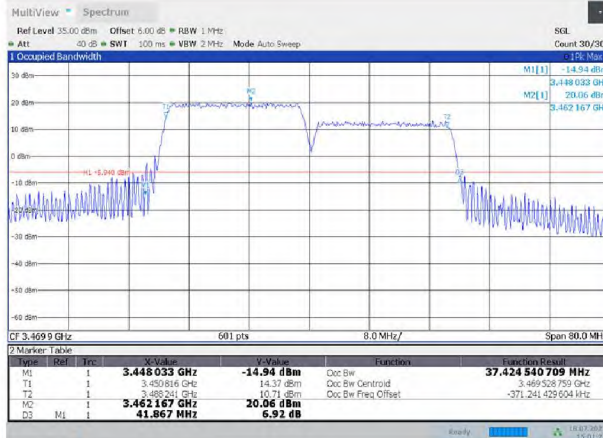
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42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-100RB#0-100RB#0



15:35:22 18.07.2022

42-42-20MHz-20MHz-16QAM-16QAM-42190-42388-100RB#0-100RB#0



15:39:22 18.07.2022

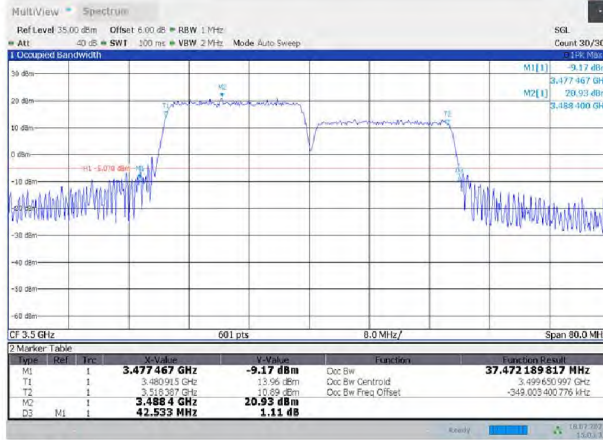


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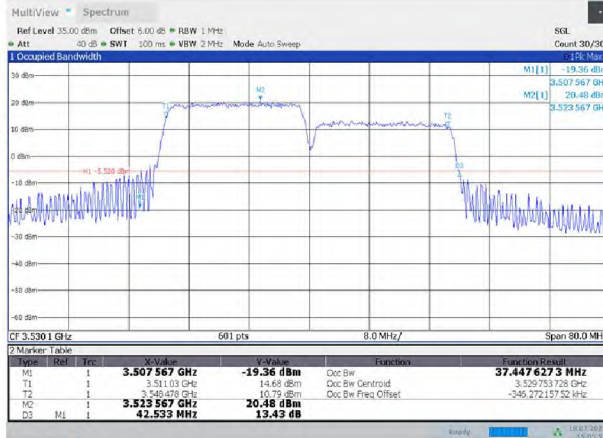
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42-42-20MHz-20MHz-16QAM-16QAM-42491-42689-100RB#0-100RB#0



15:33:28 18.07.2022

42-42-20MHz-20MHz-16QAM-16QAM-42792-42990-100RB#0-100RB#0



15:35:53 18.07.2022



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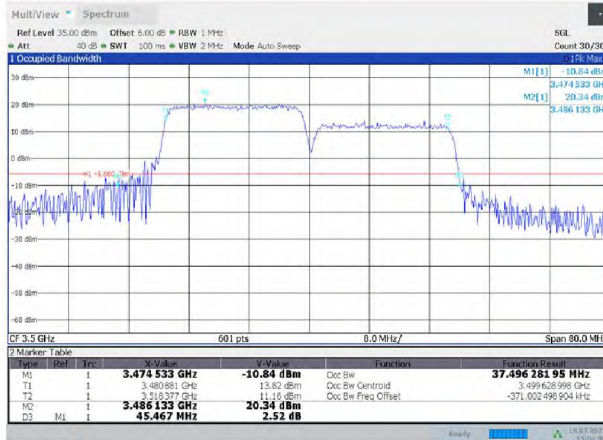
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42-42-20MHz-20MHz-64QAM-64QAM-42190-42388-100RB#0-100RB#0



15:01:54 18.07.2022

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15:04:09 18.07.2022

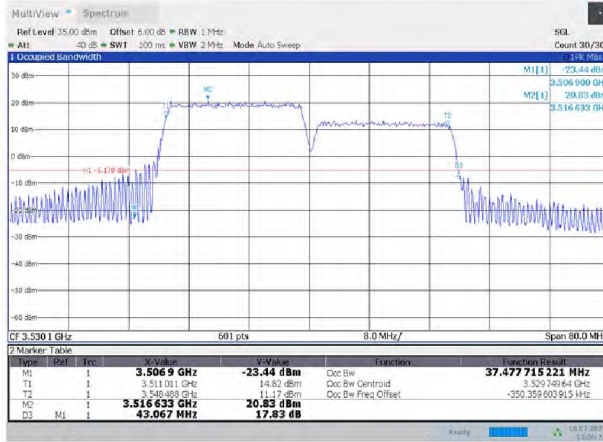


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15:04:24 18.07.2022

42-42-20MHz-20MHz-256QAM-256QAM-42190-42388-100RB#0-100RB#0



15:02:25 18.07.2022

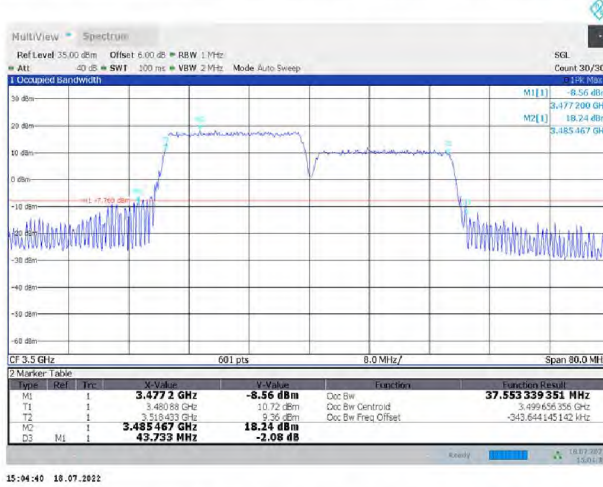


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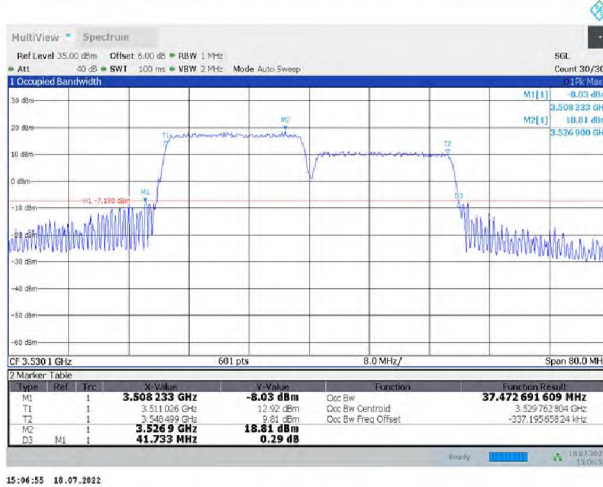
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42-42-20MHz-20MHz-256QAM-256QAM-42491-42689-100RB#0-100RB#0



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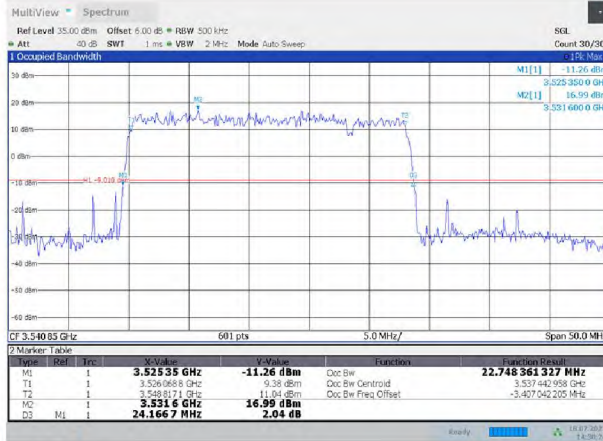
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14:25:47 18.07.2022

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14:30:24 18.07.2022

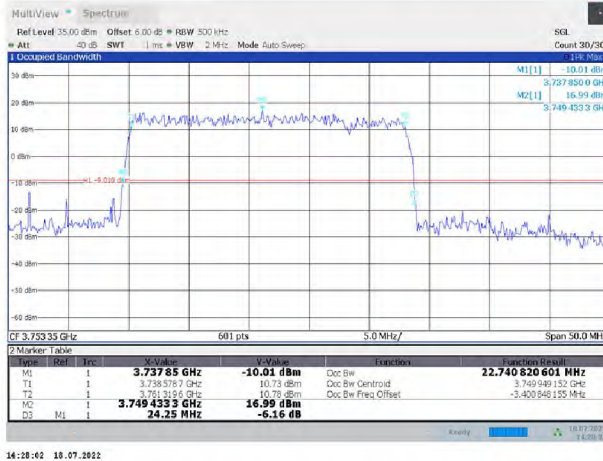


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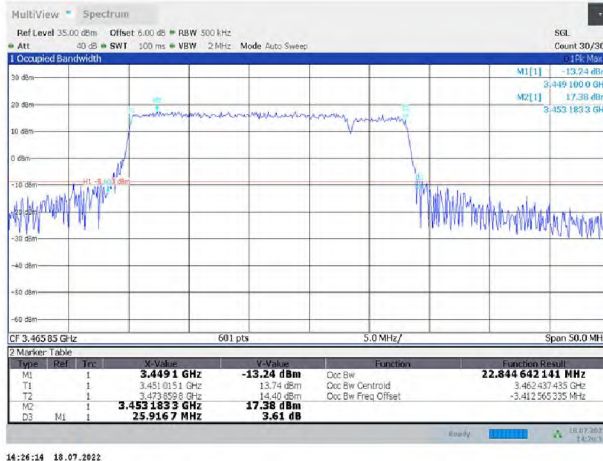
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42-42-20MHz-5MHz-QPSK-QPSK-45065-45182-100RB#0-25RB#0



42-42-20MHz-5MHz-16QAM-16QAM-42190-42307-100RB#0-25RB#0

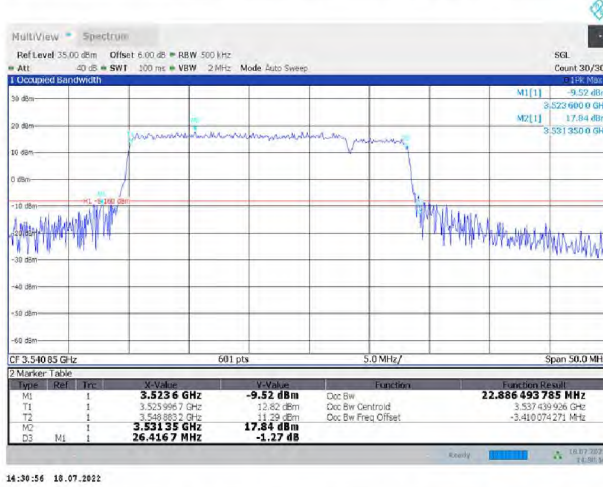


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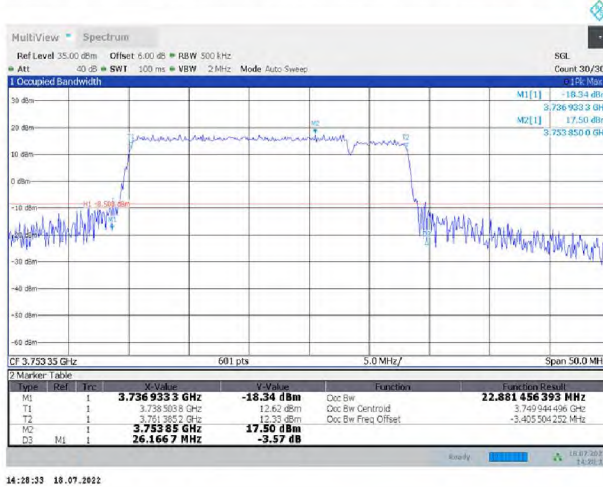
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42-42-20MHz-5MHz-16QAM-16QAM-42940-43057-100RB#0-25RB#0



42-42-20MHz-5MHz-16QAM-16QAM-45065-45182-100RB#0-25RB#0

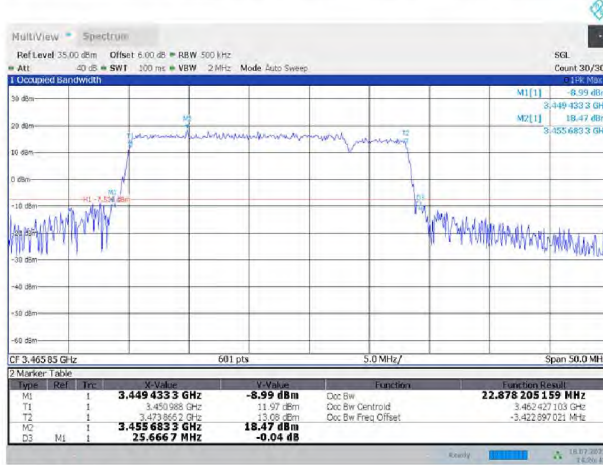


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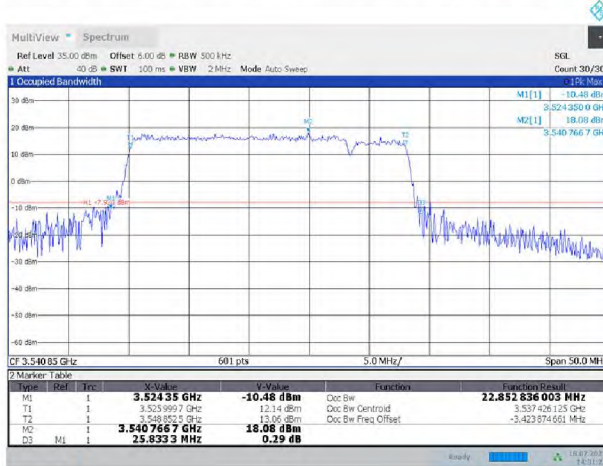
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42-42-20MHz-5MHz-64QAM-64QAM-42190-42307-100RB#0-25RB#0



14:24:45 18.07.2022

42-42-20MHz-5MHz-64QAM-64QAM-42940-43057-100RB#0-25RB#0



14:31:27 18.07.2022



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42-42-20MHz-5MHz-64QAM-64QAM-45065-45182-100RB#0-25RB#0



14:19:05 18.07.2022

42-42-20MHz-5MHz-256QAM-256QAM-42190-42307-100RB#0-25RB#0



14:21:16 18.07.2022

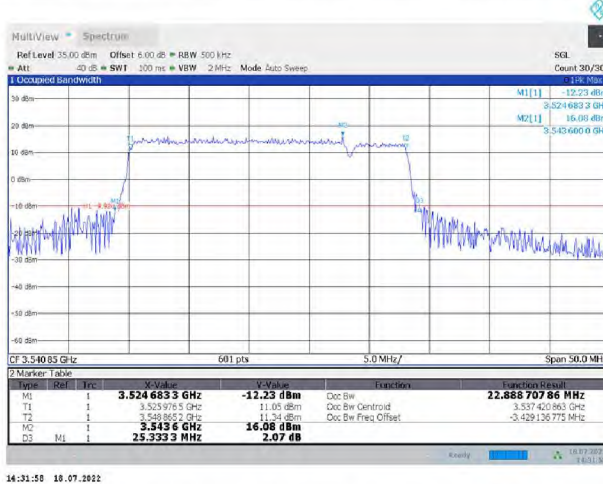


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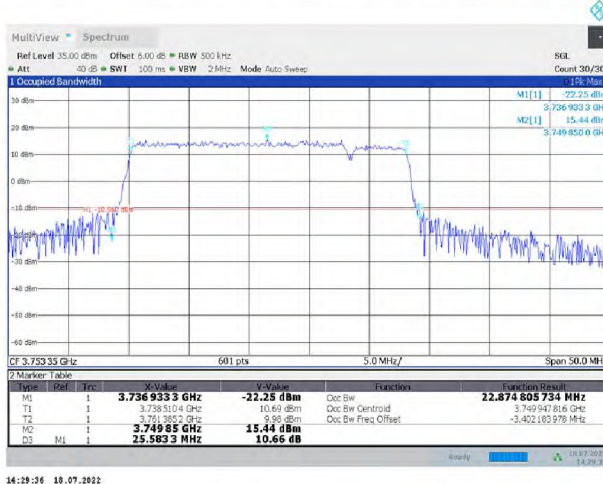
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42-42-20MHz-5MHz-256QAM-256QAM-42940-43057-100RB#0-25RB#0



42-42-20MHz-5MHz-256QAM-256QAM-45065-45182-100RB#0-25RB#0

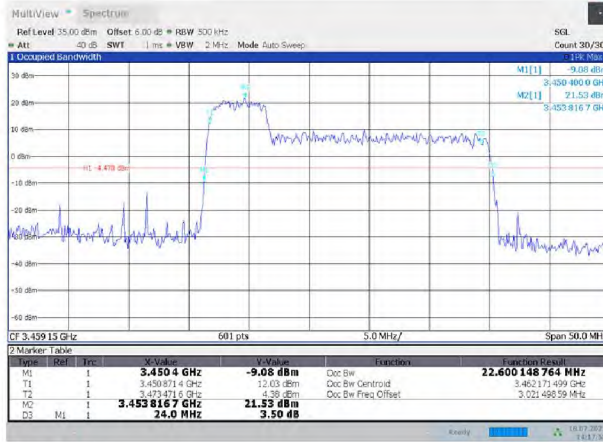


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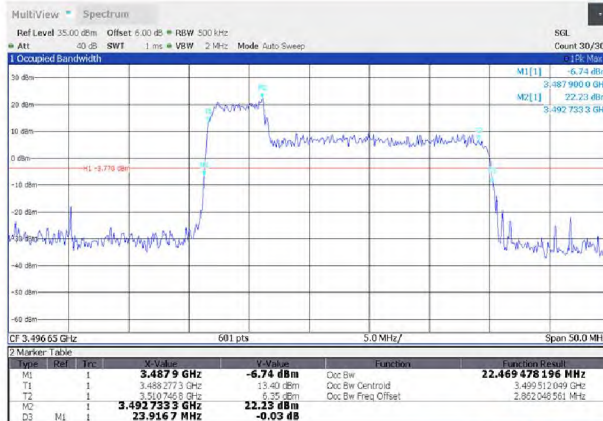
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42-42-5MHz-20MHz-QPSK-QPSK-42123-42240-25RB#0-100RB#0



14:17:59 18.07.2022

42-42-5MHz-20MHz-QPSK-QPSK-42498-42615-25RB#0-100RB#0



14:20:18 18.07.2022



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42-42-5MHz-20MHz-QPSK-QPSK-42873-42990-25RB#0-100RB#0



14:12:37 18.07.2022

42-42-5MHz-20MHz-16QAM-16QAM-42123-42240-25RB#0-100RB#0



14:18:30 18.07.2022

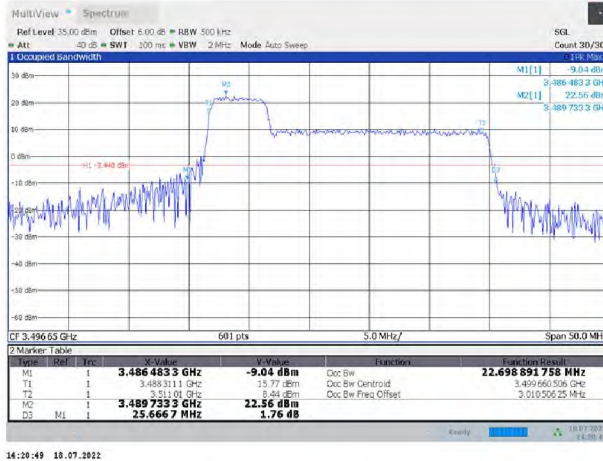


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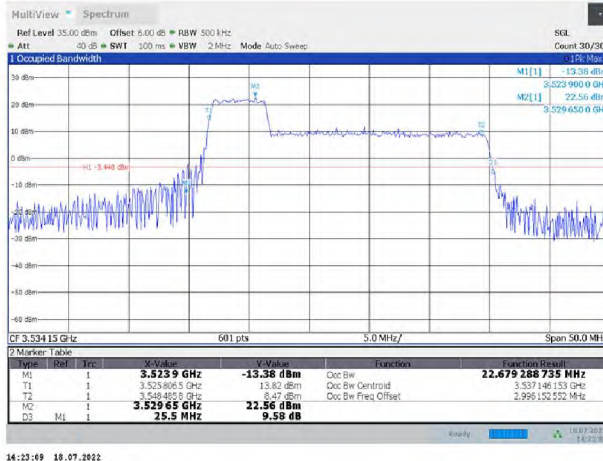
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42-42-5MHz-20MHz-16QAM-16QAM-42498-42615-25RB#0-100RB#0



42-42-5MHz-20MHz-16QAM-16QAM-42873-42990-25RB#0-100RB#0

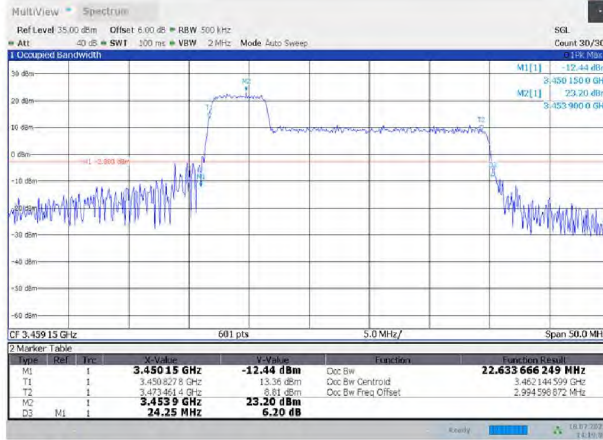


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42-42-5MHz-20MHz-64QAM-64QAM-42123-42240-25RB#0-100RB#0



14:19:01 18.07.2022

42-42-5MHz-20MHz-64QAM-64QAM-42498-42615-25RB#0-100RB#0



14:21:20 18.07.2022

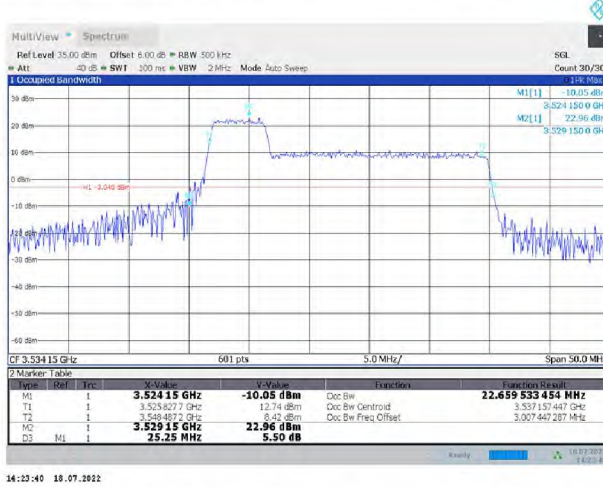


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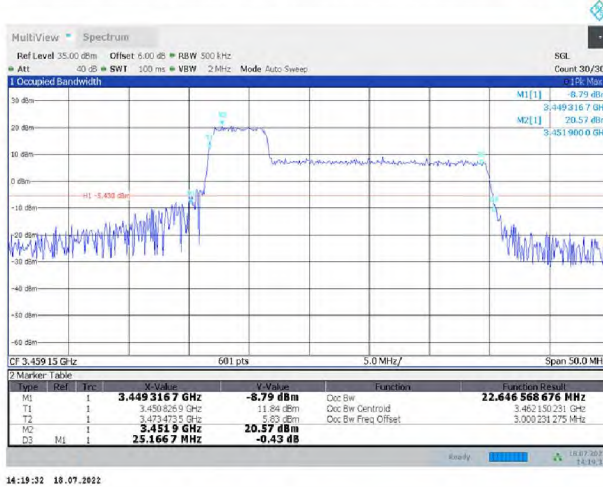
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42-42-5MHz-20MHz-64QAM-64QAM-42873-42990-25RB#0-100RB#0



42-42-5MHz-20MHz-256QAM-256QAM-42123-42240-25RB#0-100RB#0

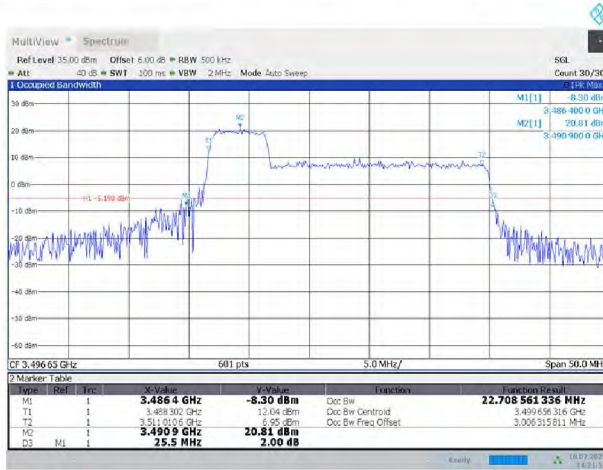


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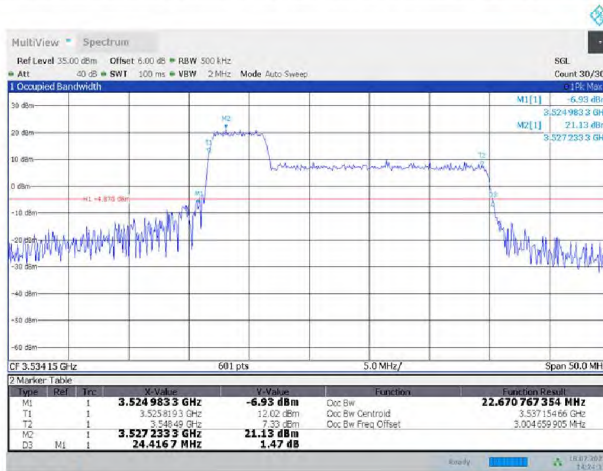
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42-42-5MHz-20MHz-256QAM-256QAM-42498-42615-25RB#0-100RB#0



14:11:51 18.07.2022

42-42-5MHz-20MHz-256QAM-256QAM-42873-42990-25RB#0-100RB#0



14:24:11 18.07.2022



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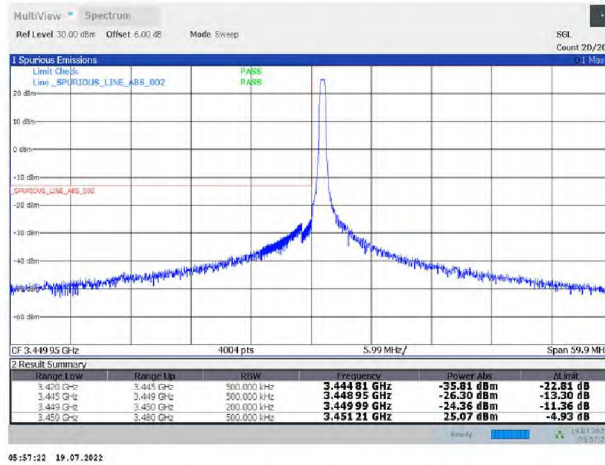
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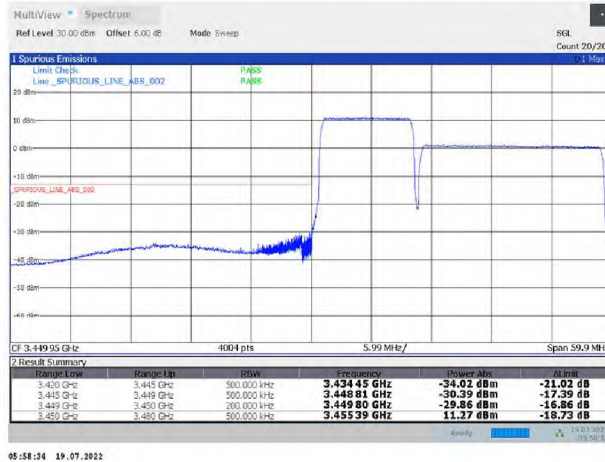
Band Edge

Test Graphs

42-42-10MHz-20MHz-QPSK-QPSK-42145-42289-1RB#0-0RB#0



42-42-10MHz-20MHz-QPSK-QPSK-42145-42289-50RB#0-100RB#0

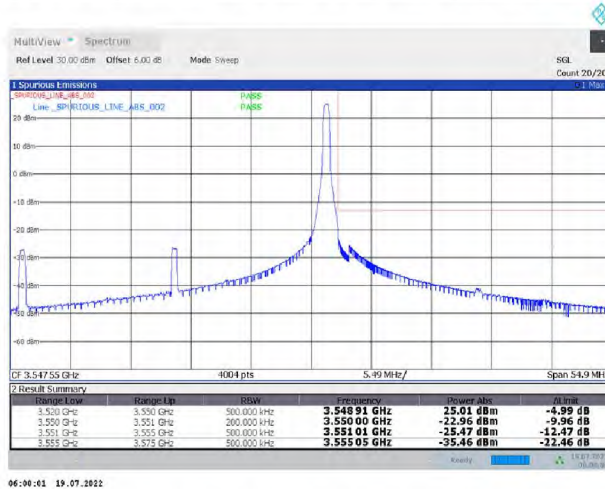


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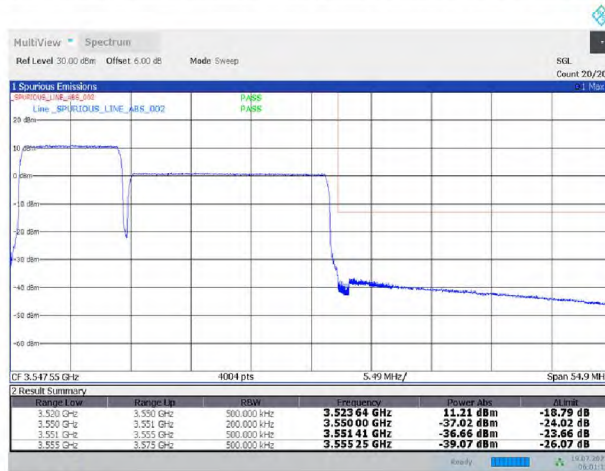
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42-42-10MHz-20MHz-QPSK-QPSK-42846-42990-0RB#0-1RB#99



06:04:01 19.07.2022

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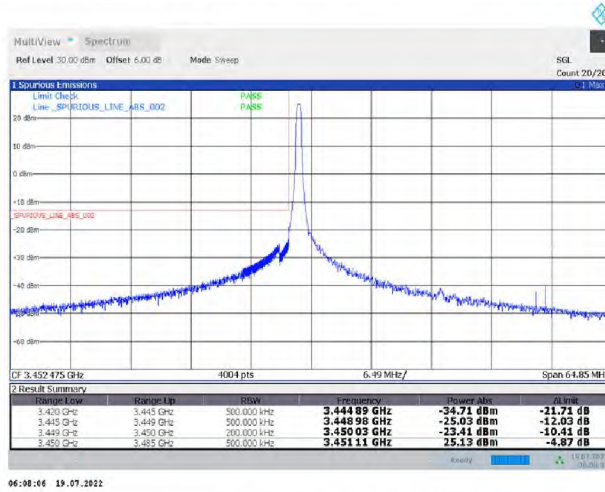


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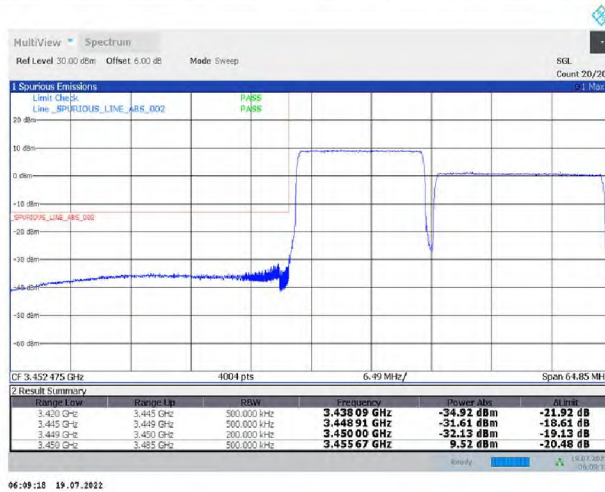
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42-42-15MHz-20MHz-QPSK-QPSK-42168-42339-1RB#0-0RB#0



42-42-15MHz-20MHz-QPSK-QPSK-42168-42339-75RB#0-100RB#0

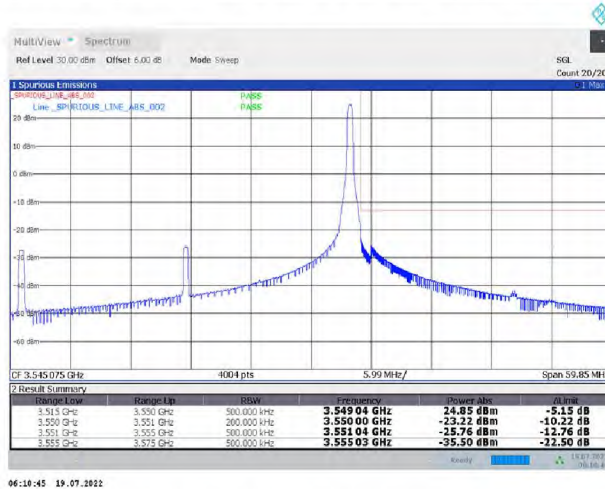


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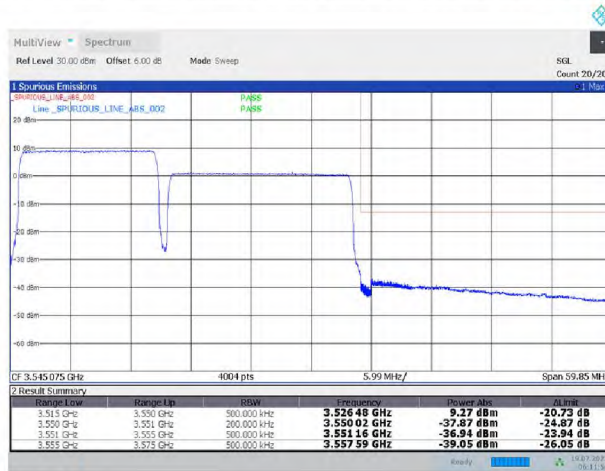
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42-42-15MHz-20MHz-QPSK-QPSK-42819-42990-0RB#0-1RB#99



06:16:45 19. 07. 2022

42-42-15MHz-20MHz-QPSK-QPSK-42819-42990-75RB#0-100RB#0



06:11:57 19. 07. 2022

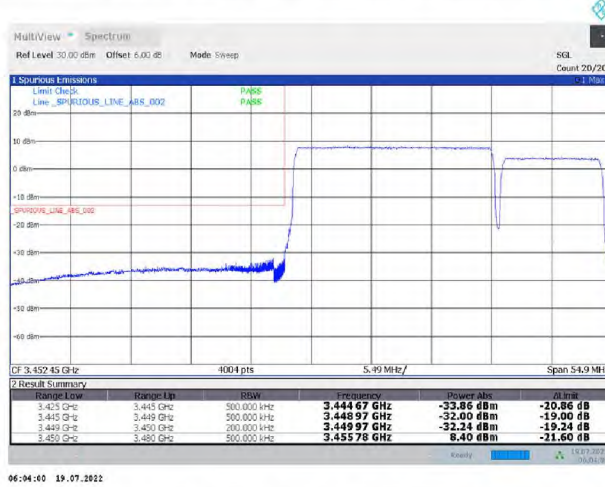


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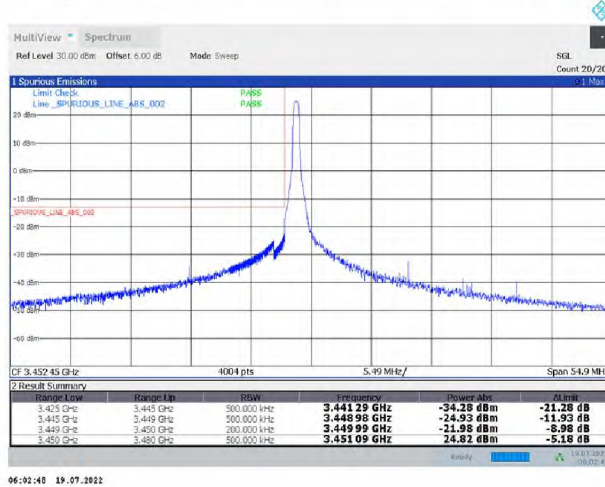
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42-42-20MHz-10MHz-QPSK-QPSK-42190-42334-100RB#0-50RB#0



42-42-20MHz-10MHz-QPSK-QPSK-42190-42334-1RB#0-0RB#0

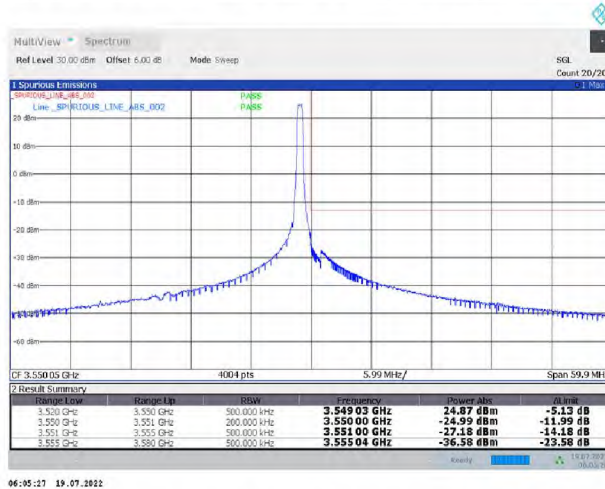


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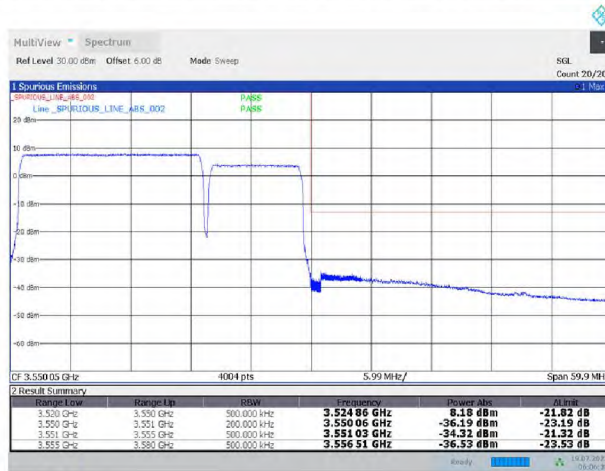
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42-42-20MHz-10MHz-QPSK-QPSK-42891-43035-0RB#0-1RB#49



06:35:21 19. 07. 2022

42-42-20MHz-10MHz-QPSK-QPSK-42891-43035-100RB#0-50RB#0



06:36:39 19. 07. 2022



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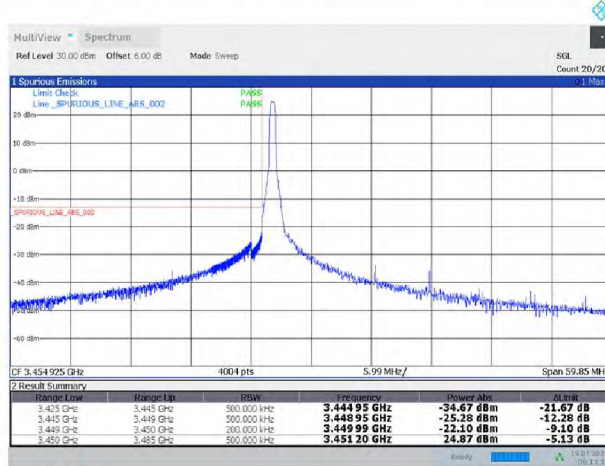
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42-42-20MHz-15MHz-QPSK-QPSK-42190-42361-100RB#0-75RB#0



06:14:47 19. 07. 2022

42-42-20MHz-15MHz-QPSK-QPSK-42190-42361-1RB#0-0RB#0



06:13:34 19. 07. 2022

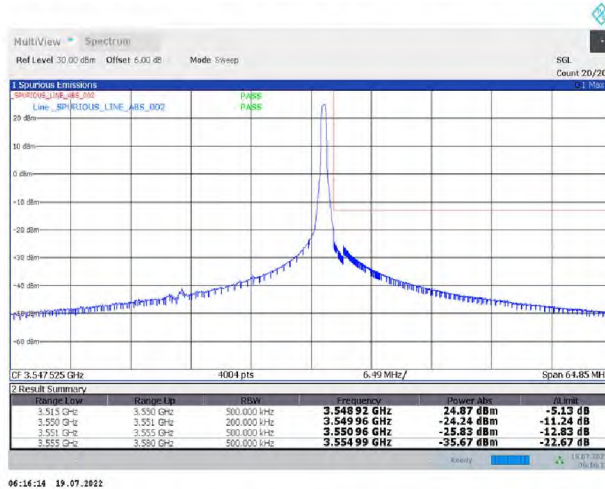


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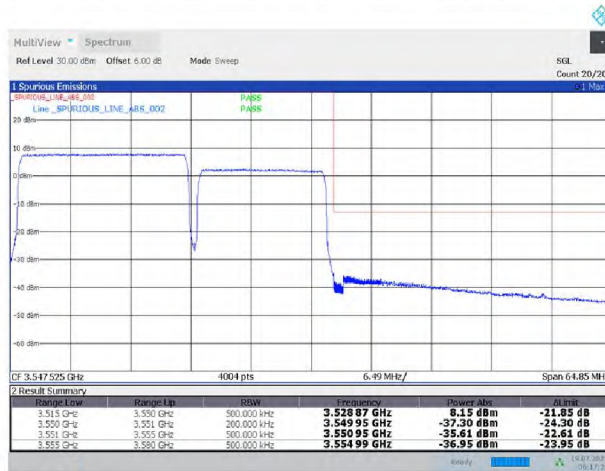
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42-42-20MHz-15MHz-QPSK-QPSK-42841-43012-0RB#0-1RB#74



06:14:24 19.07.2022

42-42-20MHz-15MHz-QPSK-QPSK-42841-43012-100RB#0-75RB#0



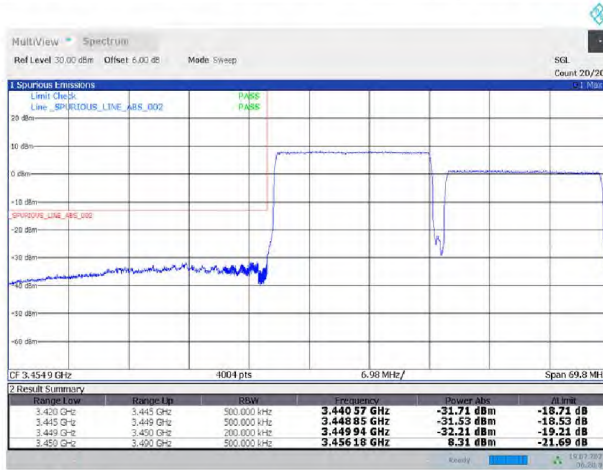
06:17:26 19.07.2022



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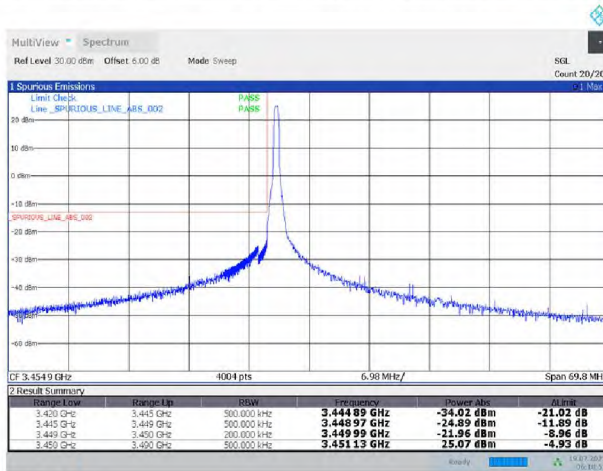
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42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-100RB#0-100RB#0



06:18:04 19.07.2022

42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-1RB#0-0RB#0



06:18:52 19.07.2022

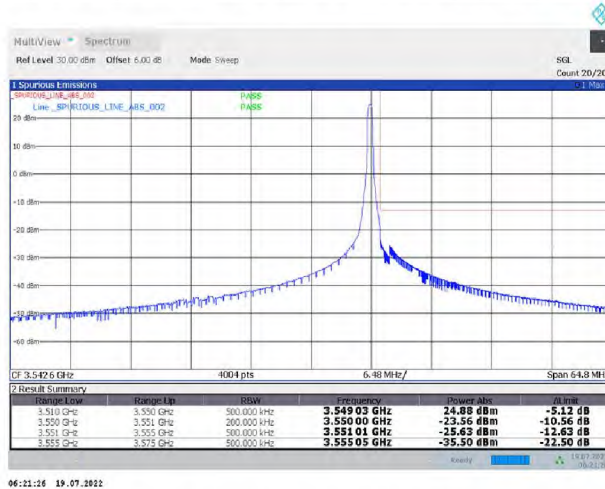


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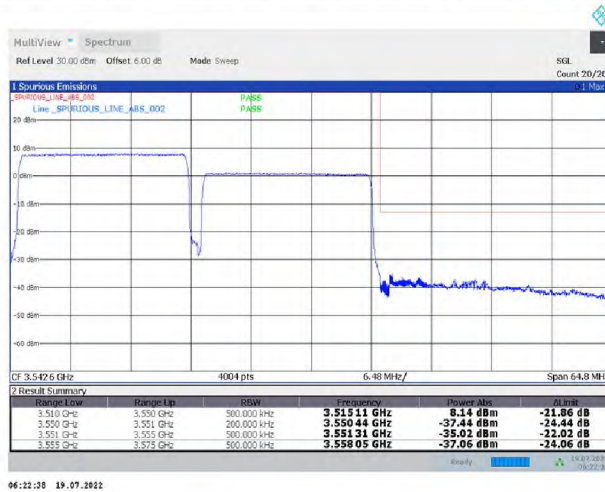
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42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-0RB#0-1RB#99



42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-100RB#0-100RB#0

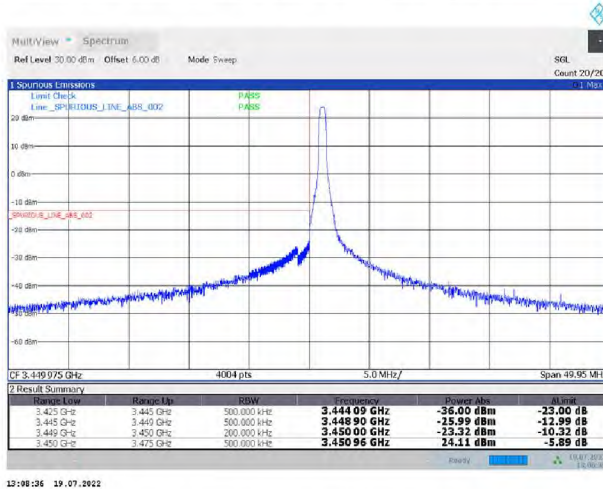


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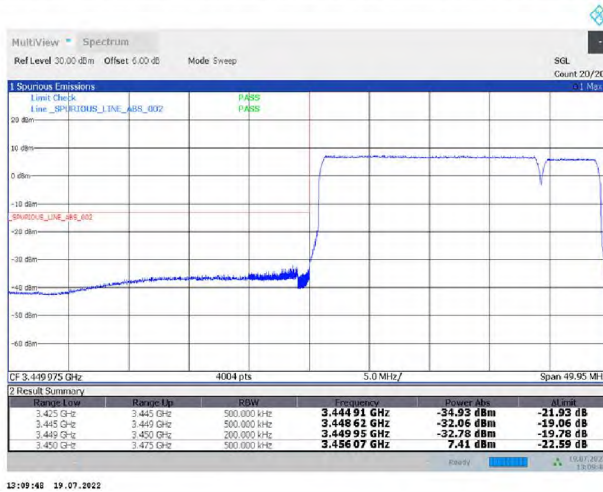
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42-42-20MHz-5MHz-QPSK-QPSK-42190-42307-1RB#0-0RB#0



42-42-20MHz-5MHz-QPSK-QPSK-42190-42307-100RB#0-25RB#0

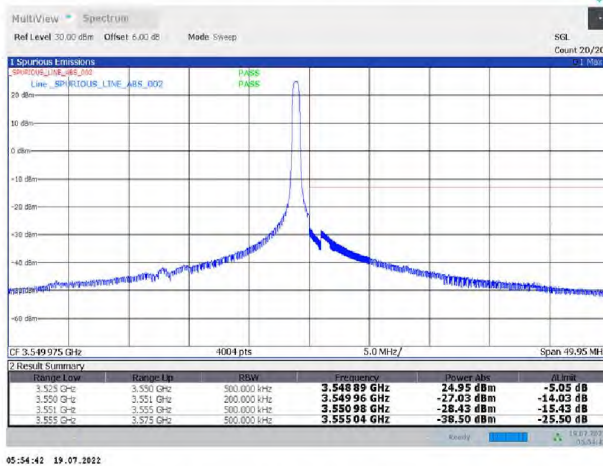


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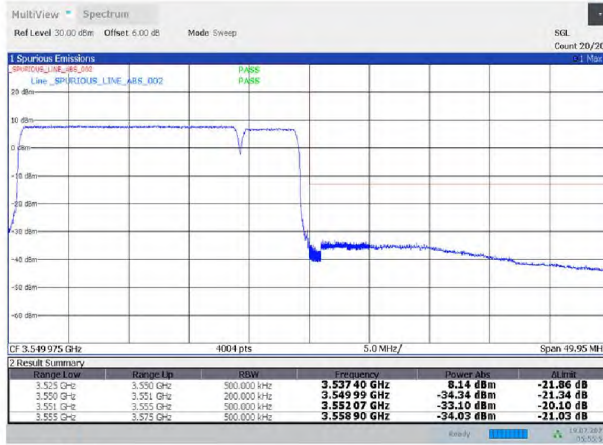
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42-42-20MHz-5MHz-QPSK-QPSK-42940-43057-0RB#0-1RB#24



05:54:42 19.07.2022

42-42-20MHz-5MHz-QPSK-QPSK-42940-43057-100RB#0-25RB#0



05:55:55 19.07.2022

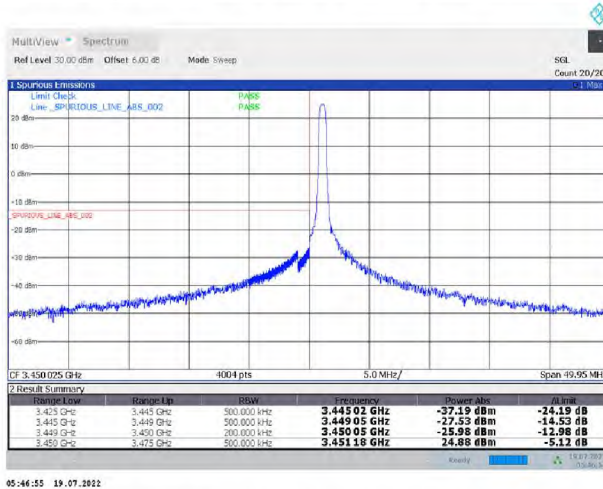


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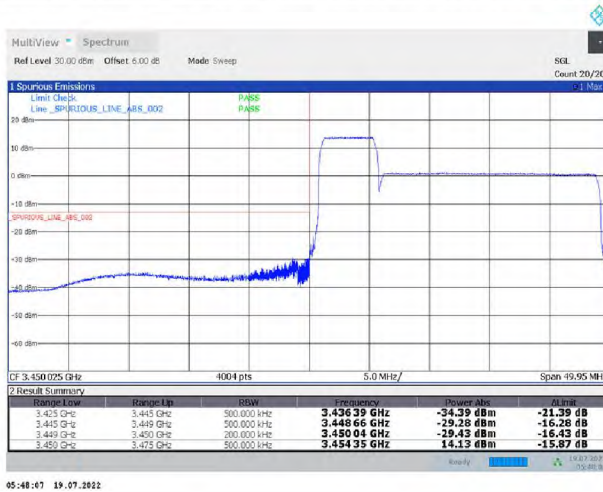
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42-42-5MHz-20MHz-QPSK-QPSK-42123-42240-1RB#0-0RB#0



42-42-5MHz-20MHz-QPSK-QPSK-42123-42240-25RB#0-100RB#0

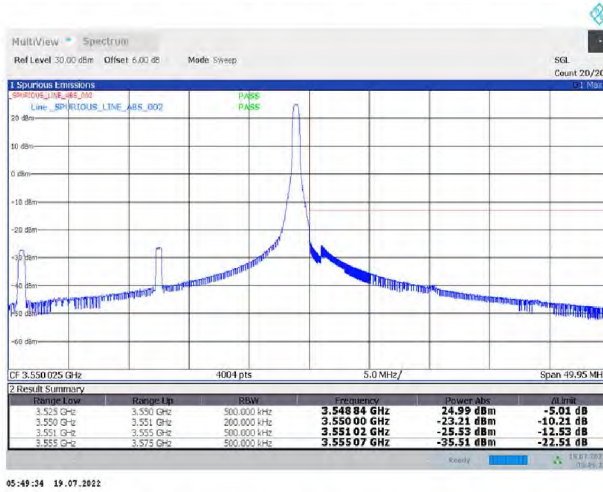


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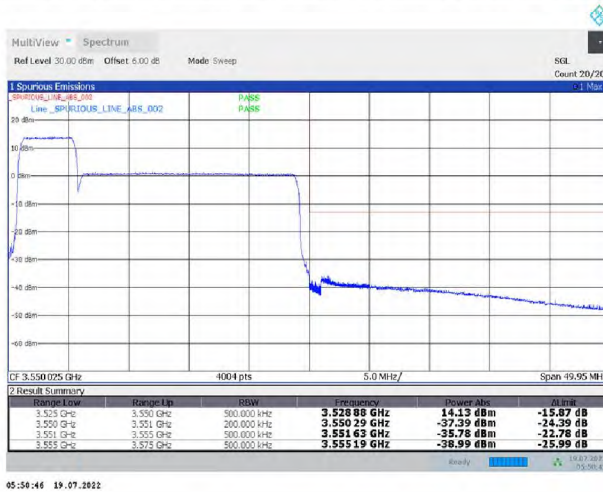
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42-42-5MHz-20MHz-QPSK-QPSK-42873-42990-0RB#0-1RB#99



42-42-5MHz-20MHz-QPSK-QPSK-42873-42990-25RB#0-100RB#0



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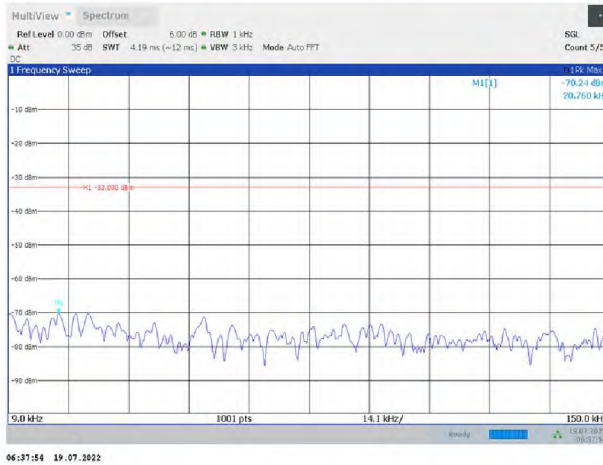
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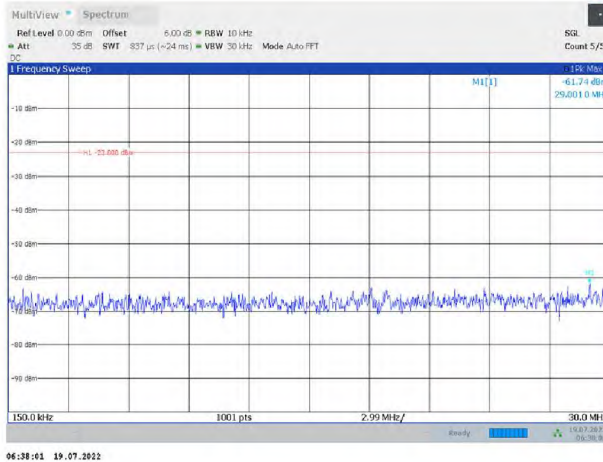
Conducted Spurious Emission

Test Graphs

42-42-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-0.009~0.15MHz



42-42-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-0.15~30MHz

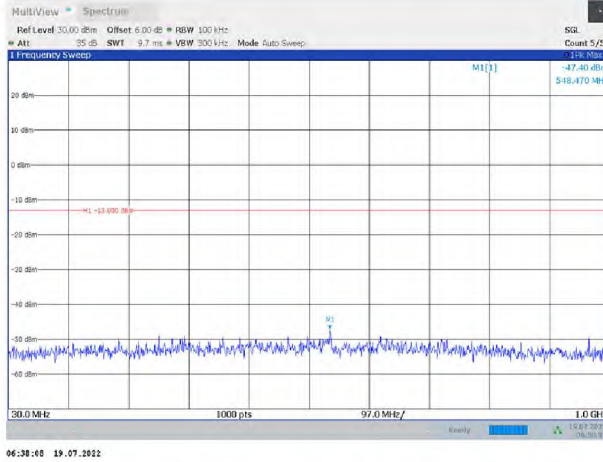


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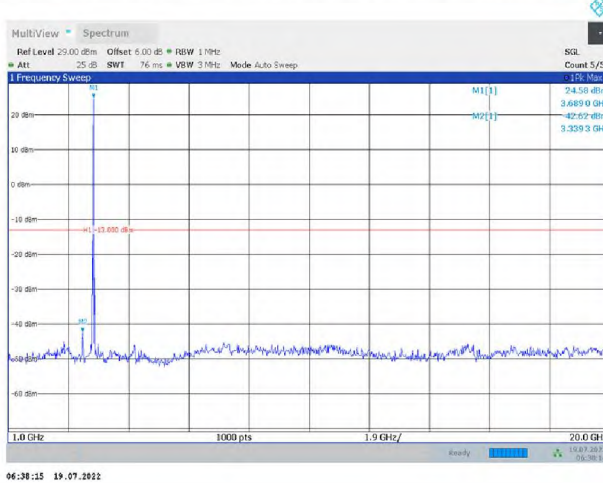
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42-42-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-30~1000MHz



42-42-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-1000~20000MHz

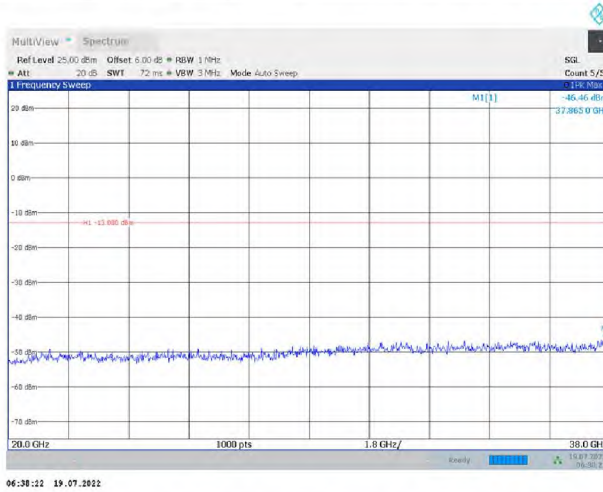


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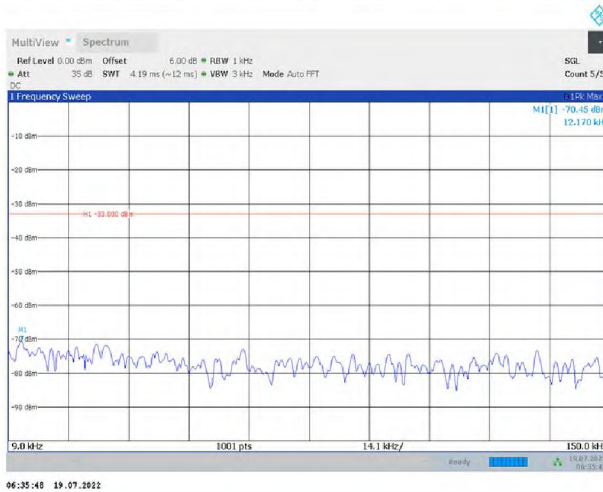
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42-42-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-20000~38000MHz



42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-0.009~0.15MHz

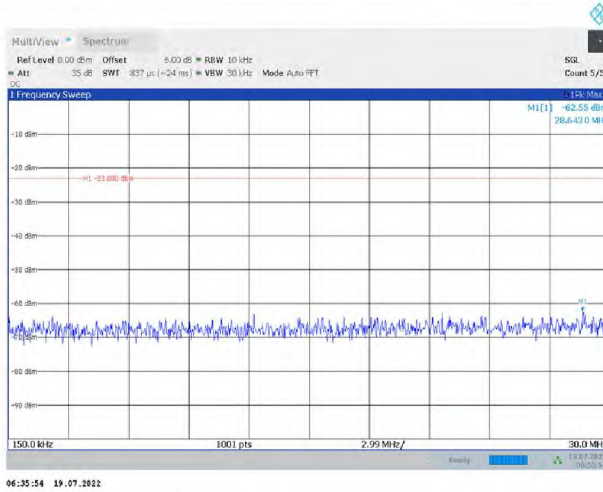


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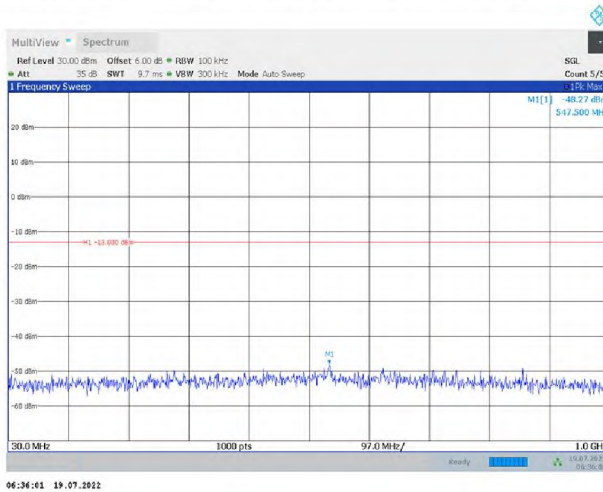
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42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-0.15~30MHz



42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-30~1000MHz

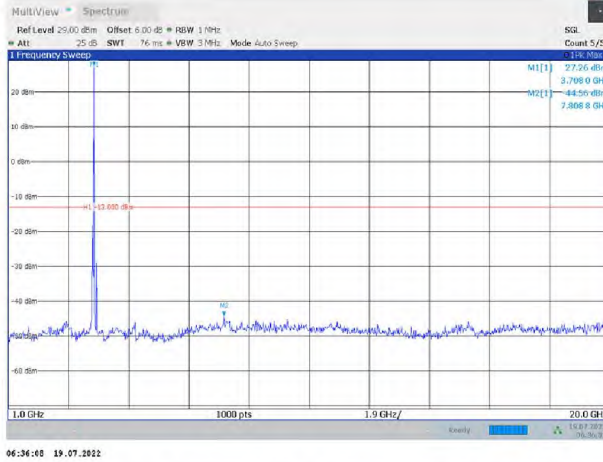


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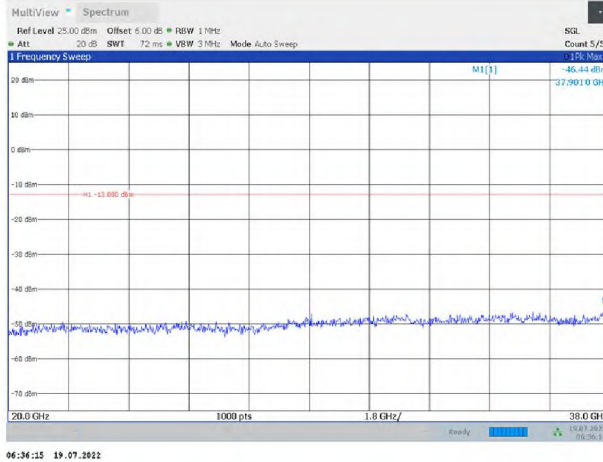
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42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-ORB#0-1000~20000MHz



42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-ORB#0-20000~38000MHz

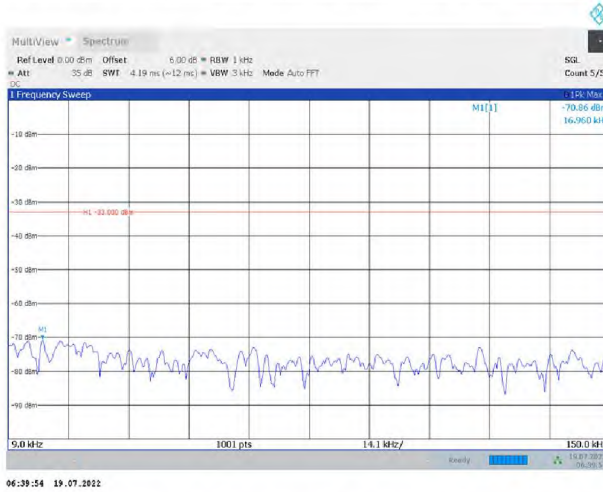


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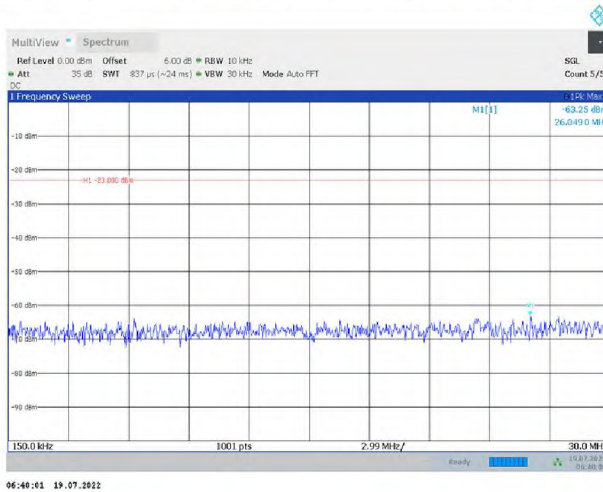
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42-42-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-0.009~0.15MHz



42-42-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-0.15~30MHz

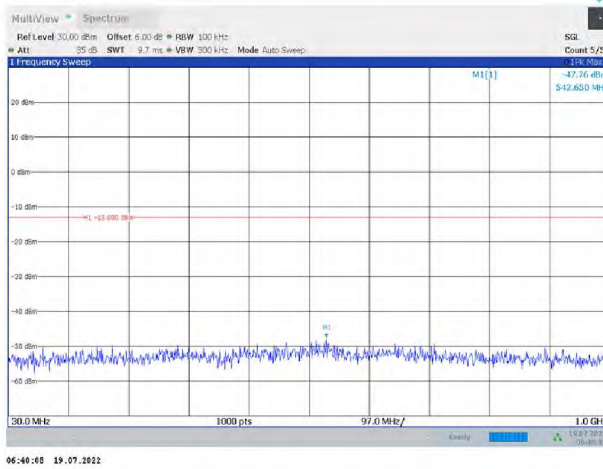


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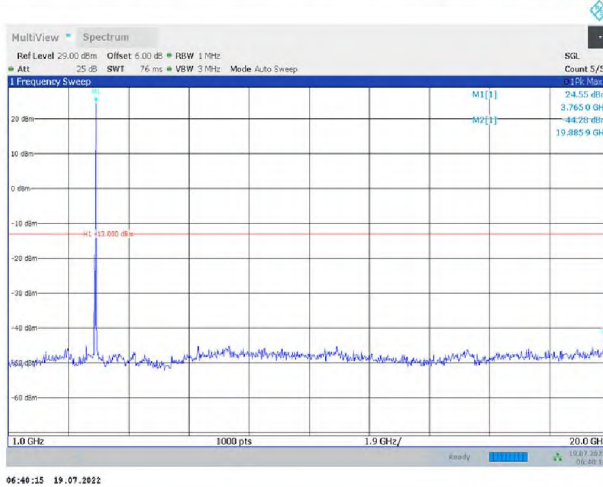
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42-42-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-30~1000MHz



42-42-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-1000~20000MHz

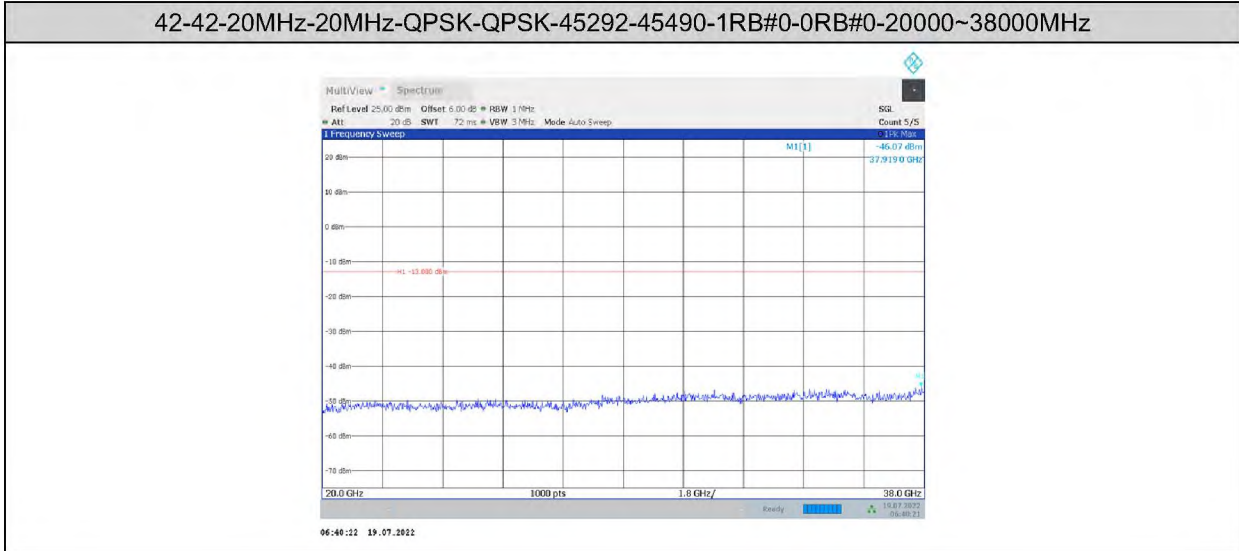


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Field Strength of Spurious Radiation

Test Band = LTE Band42CA 3450-3550_ TM1

Test Channel = Low

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7374.575	50.18	-42.93	-51.50	-13.00	38.50	136	360	Horizontal
2	8382.55	48.68	-41.46	-50.73	-13.00	37.73	251	359	Horizontal
3	9287.6	46.32	-40.06	-50.59	-13.00	37.59	145	44	Horizontal
4	10681.4	43.52	-37.59	-50.20	-13.00	37.20	195	359	Horizontal
5	12409.85	41.83	-36.99	-51.34	-13.00	38.34	185	358	Horizontal
6	14429.825	41.03	-34.83	-49.00	-13.00	36.00	102	151	Horizontal

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7018.075	51.28	-43.11	-50.96	-13.00	37.96	126	151	Vertical
2	8062.275	47.86	-41.64	-52.01	-13.00	39.01	265	4	Vertical
3	9162.825	46.28	-40.12	-50.79	-13.00	37.79	148	136	Vertical
4	10326.625	44.73	-38.90	-50.59	-13.00	37.59	195	4	Vertical
5	11467.425	42.30	-36.84	-50.76	-13.00	37.76	105	16	Vertical
6	16668.875	41.65	-34.74	-50.13	-13.00	37.13	111	16	Vertical



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Test Band = LTE Band42CA 3450-3550_ TM1
Test Channel = Mid

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7645.4	49.37	-42.84	-52.25	-13.00	39.25	189	270	Horizontal
2	8412.45	48.90	-41.42	-50.43	-13.00	37.43	145	360	Horizontal
3	9409.5	45.84	-39.92	-50.86	-13.00	37.86	236	255	Horizontal
4	11192	42.53	-36.69	-50.31	-13.00	37.31	261	301	Horizontal
5	13161.95	40.79	-36.59	-51.15	-13.00	38.15	148	180	Horizontal
6	14436.725	40.45	-34.77	-49.52	-13.00	36.52	177	353	Horizontal

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7868.5	49.60	-42.69	-51.49	-13.00	38.49	165	227	Vertical
2	8614.275	48.05	-40.95	-50.39	-13.00	37.39	400	360	Vertical
3	10633.675	43.25	-37.83	-50.76	-13.00	37.76	195	345	Vertical
4	11549.075	41.93	-36.74	-51.12	-13.00	38.12	188	353	Vertical
5	14315.975	41.38	-35.74	-49.47	-13.00	36.47	140	198	Vertical
6	17166.25	42.57	-34.43	-48.53	-13.00	35.53	236	360	Vertical



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Test Band = LTE Band42CA 3450-3550_ TM1

Test Channel = High

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7371.7	49.40	-42.94	-52.30	-13.00	39.30	215	359	Horizontal
2	8583.8	47.98	-41.04	-50.60	-13.00	37.60	236	102	Horizontal
3	9595.8	45.40	-39.23	-50.65	-13.00	37.65	261	328	Horizontal
4	11200.05	41.60	-36.60	-51.15	-13.00	38.15	185	161	Horizontal
5	14316.55	41.30	-35.73	-49.55	-13.00	36.55	148	341	Horizontal
6	17692.375	41.57	-33.18	-46.74	-13.00	33.74	179	359	Horizontal

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7407.925	49.75	-42.82	-51.84	-13.00	38.84	126	149	Vertical
2	8617.15	47.60	-40.97	-50.85	-13.00	37.85	251	104	Vertical
3	10100.075	45.07	-38.70	-50.24	-13.00	37.24	148	45	Vertical
4	12205.15	41.61	-37.09	-51.61	-13.00	38.61	176	4	Vertical
5	13644.95	41.03	-36.02	-50.14	-13.00	37.14	199	104	Vertical
6	17175.45	42.80	-34.52	-48.39	-13.00	35.39	263	284	Vertical



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	VH	NT	-71.10	0.019268	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	VL	NT	-71.10	0.019268	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	VN	NT	-72.50	0.019647	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	50	-69.40	-0.018807	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	40	-69.80	-0.018915	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	30	-66.30	-0.017967	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	20	-69.20	-0.018753	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	10	-70.20	-0.019024	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	0	-69.50	-0.018834	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	-10	-71.00	-0.019241	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	-20	-69.00	-0.018699	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	-30	-69.30	-0.018780	PASS

The End



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