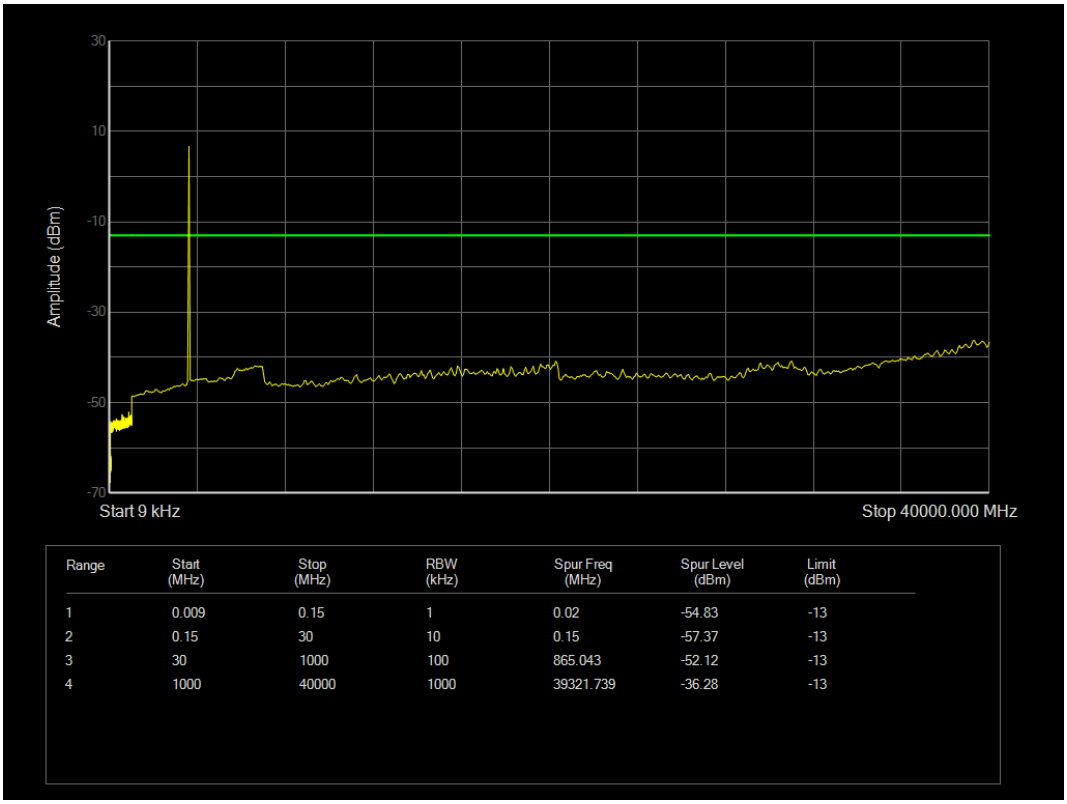
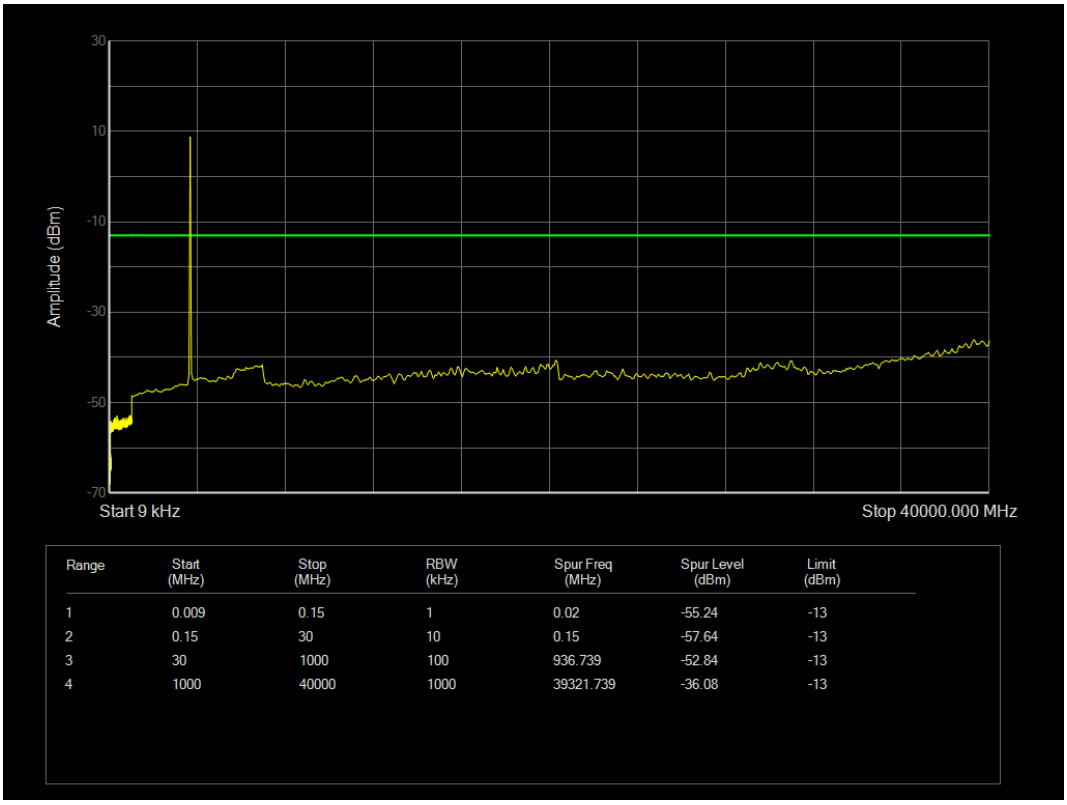


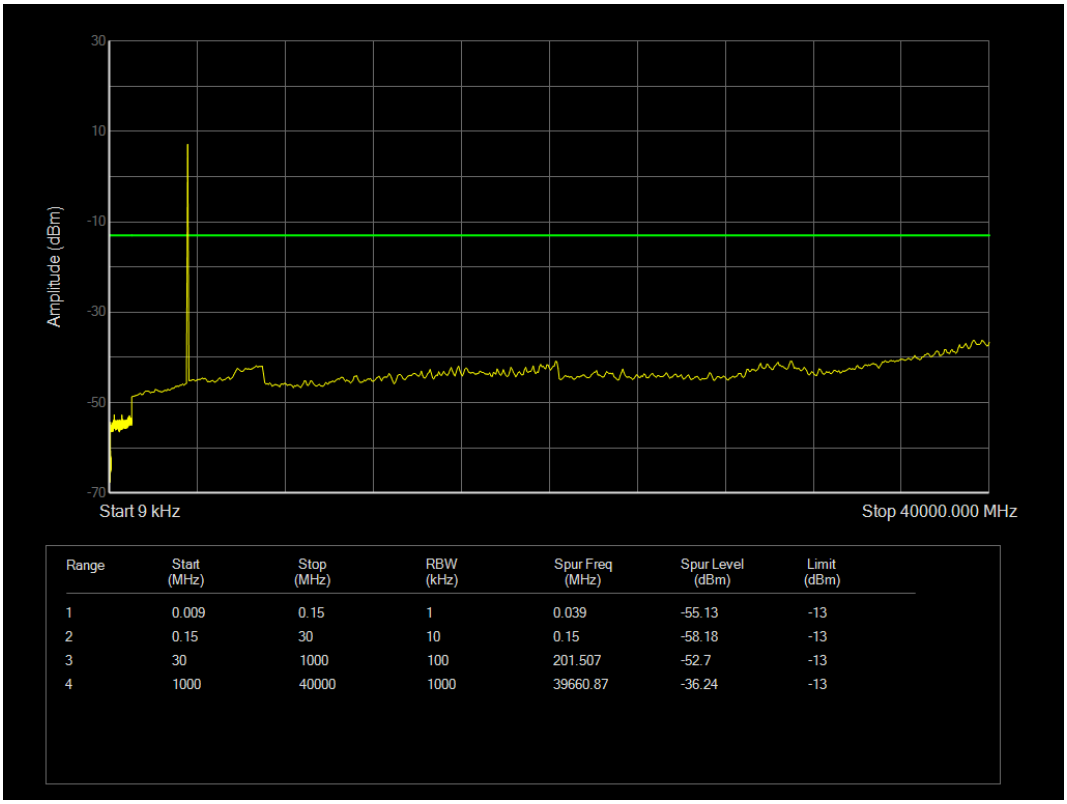
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.02	-54.83	-13
2	0.15	30	10	0.15	-57.37	-13
3	30	1000	100	865.043	-52.12	-13
4	1000	40000	1000	39321.739	-36.28	-13

LTE Band 48 QPSK BW=15MHz Channel=55990 RB Size=1 Position=#0



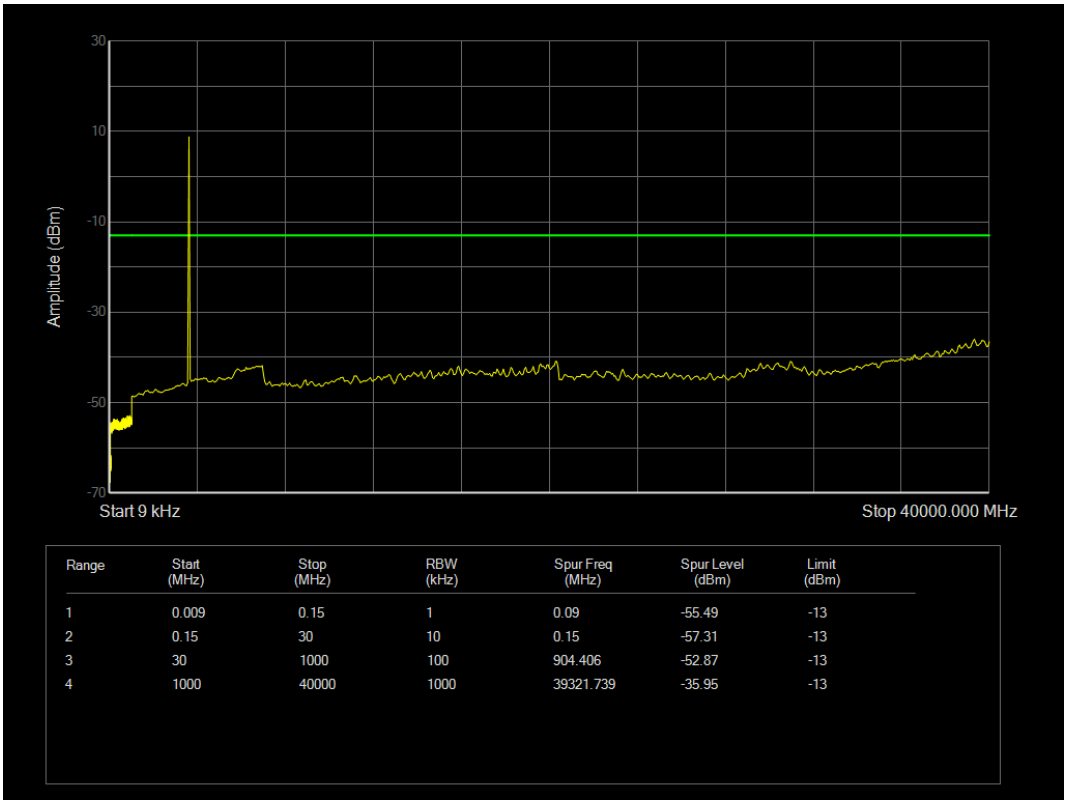
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.02	-55.24	-13
2	0.15	30	10	0.15	-57.64	-13
3	30	1000	100	936.739	-52.84	-13
4	1000	40000	1000	39321.739	-36.08	-13

LTE Band 48 QPSK BW=15MHz Channel=56665 RB Size=1 Position=#0



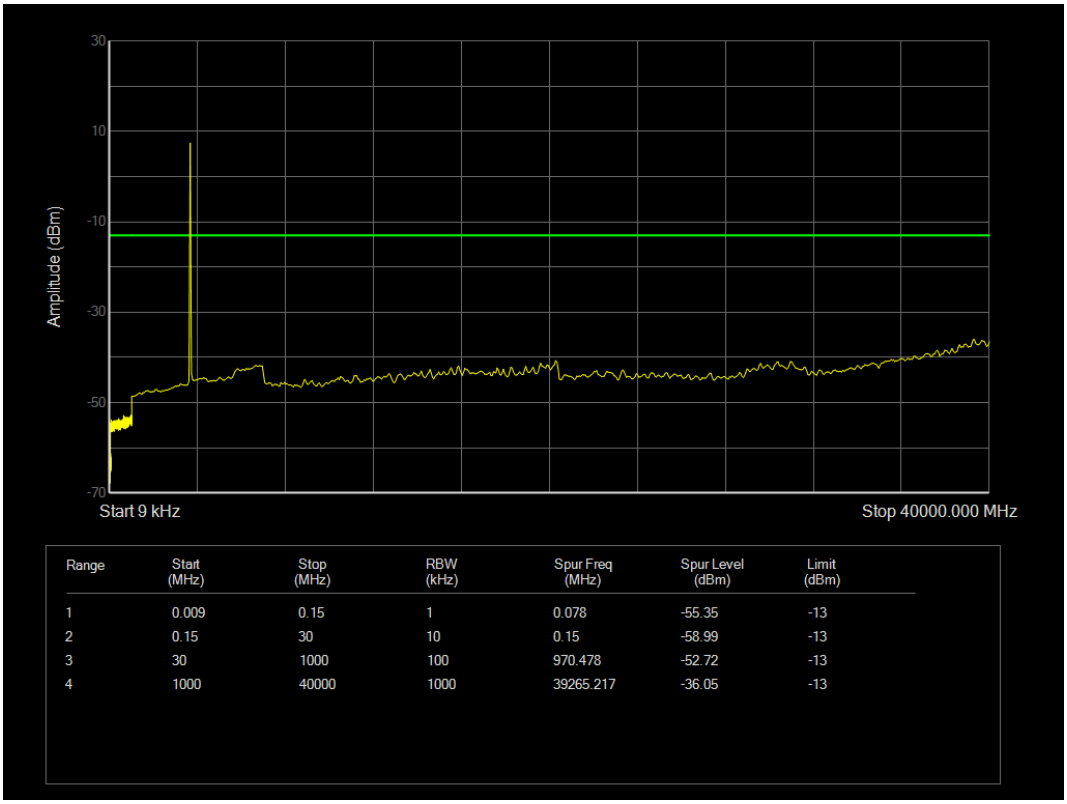
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.039	-55.13	-13
2	0.15	30	10	0.15	-58.18	-13
3	30	1000	100	201.507	-52.7	-13
4	1000	40000	1000	39660.87	-36.24	-13

LTE Band 48 QPSK BW=20MHz Channel=55340 RB Size=1 Position=#0



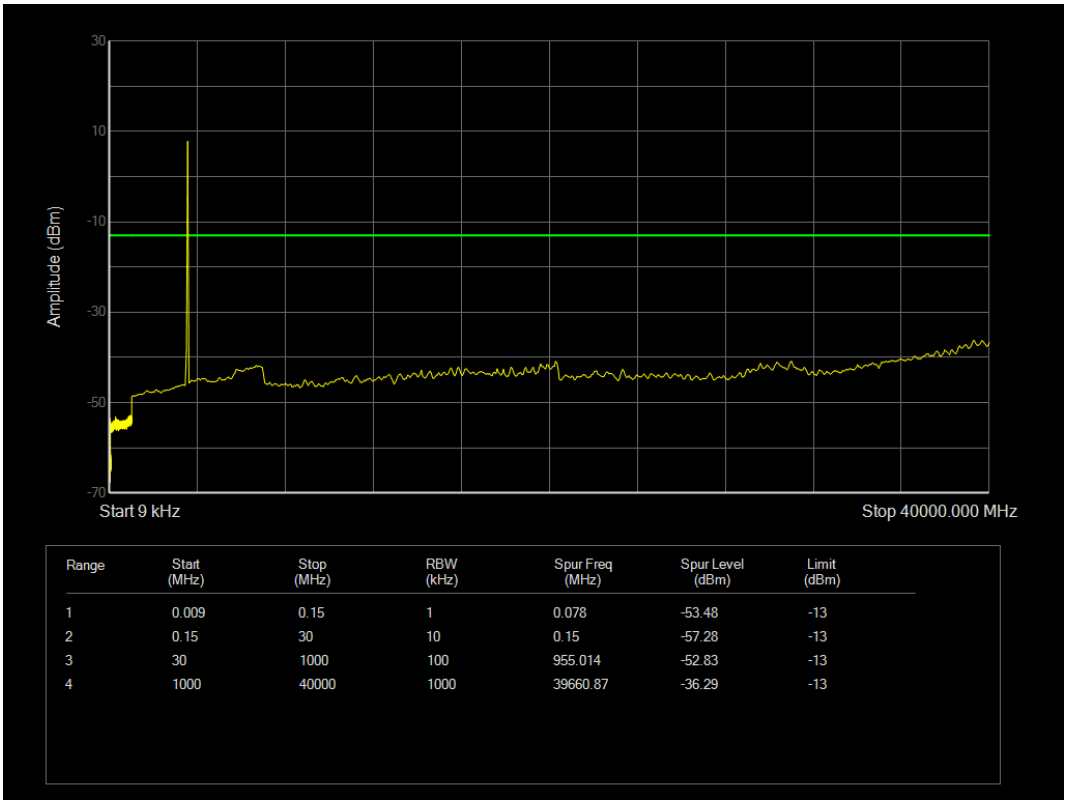
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.09	-55.49	-13
2	0.15	30	10	0.15	-57.31	-13
3	30	1000	100	904.406	-52.87	-13
4	1000	40000	1000	39321.739	-35.95	-13

LTE Band 48 QPSK BW=20MHz Channel=55990 RB Size=1 Position=#0



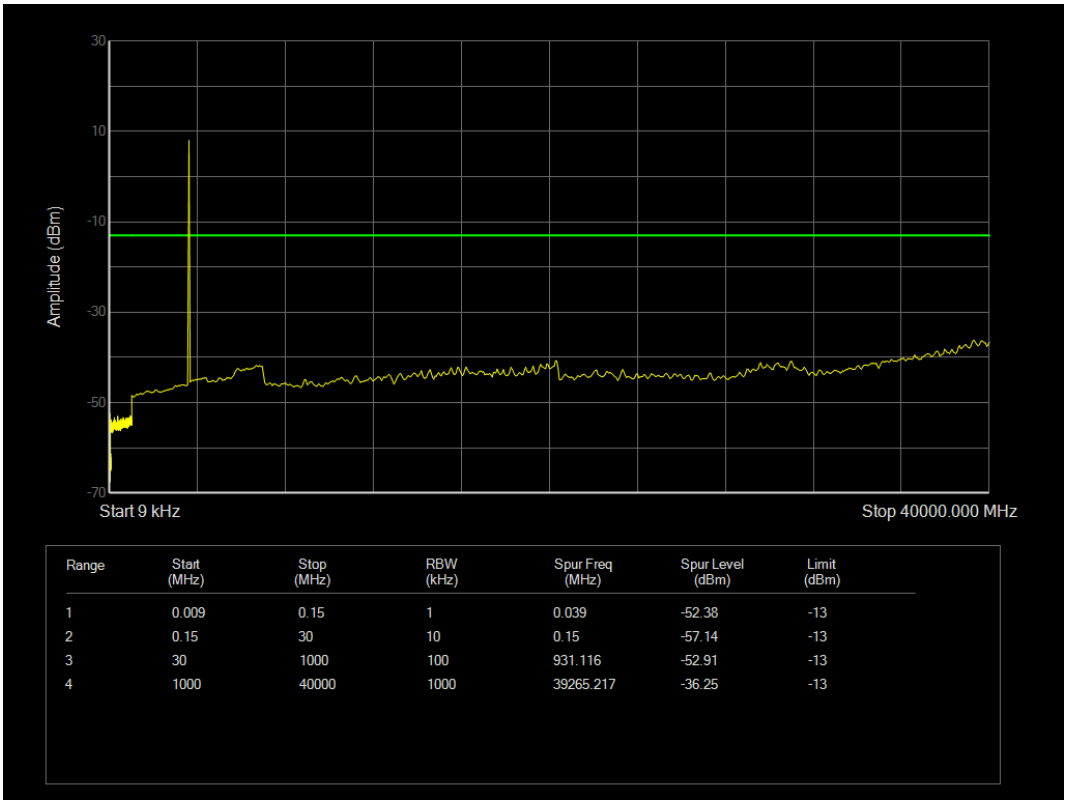
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.078	-55.35	-13
2	0.15	30	10	0.15	-58.99	-13
3	30	1000	100	970.478	-52.72	-13
4	1000	40000	1000	39265.217	-36.05	-13

LTE Band 48 QPSK BW=20MHz Channel=56640 RB Size=1 Position=#0



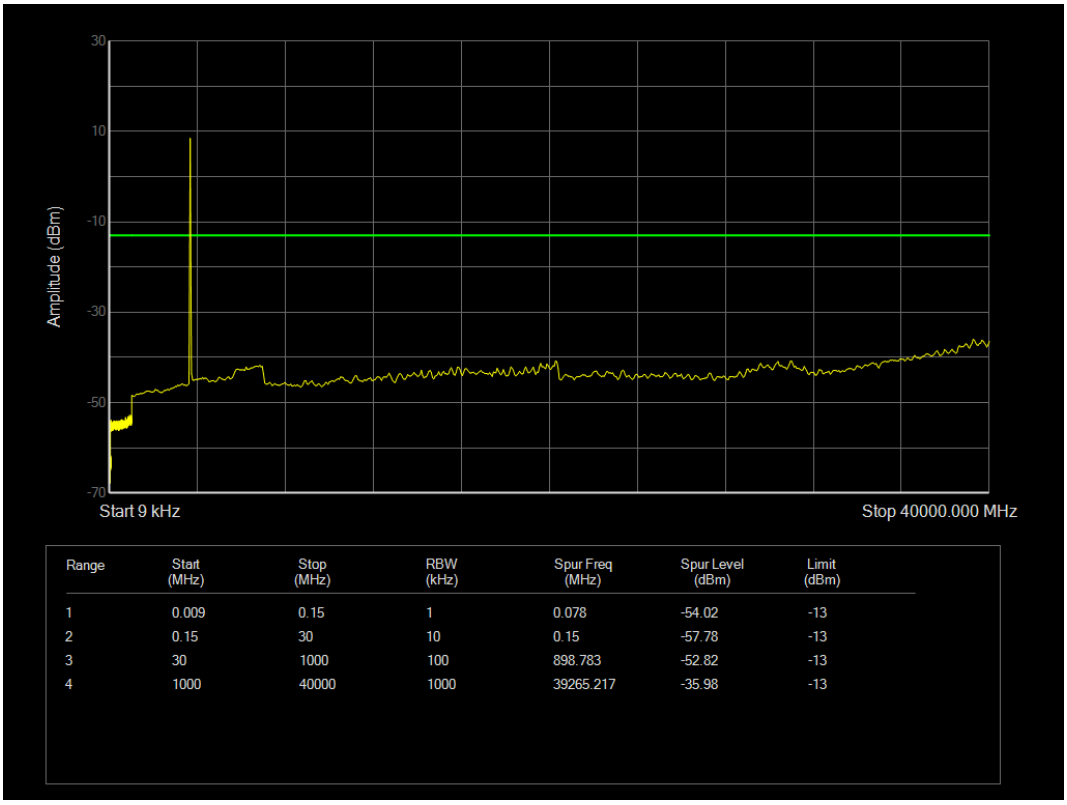
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.078	-53.48	-13
2	0.15	30	10	0.15	-57.28	-13
3	30	1000	100	955.014	-52.83	-13
4	1000	40000	1000	39660.87	-36.29	-13

LTE Band 48 QPSK BW=5MHz Channel=55265 RB Size=1 Position=#0



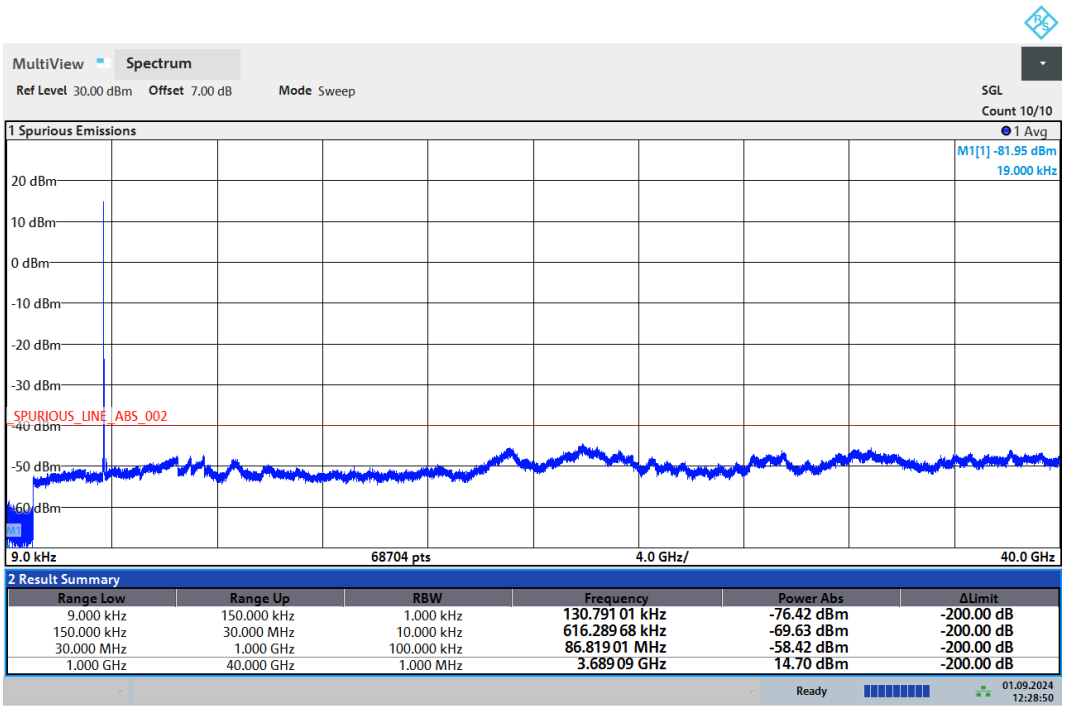
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.039	-52.38	-13
2	0.15	30	10	0.15	-57.14	-13
3	30	1000	100	931.116	-52.91	-13
4	1000	40000	1000	39265.217	-36.25	-13

LTE Band 48 QPSK BW=5MHz Channel=55990 RB Size=1 Position=#0



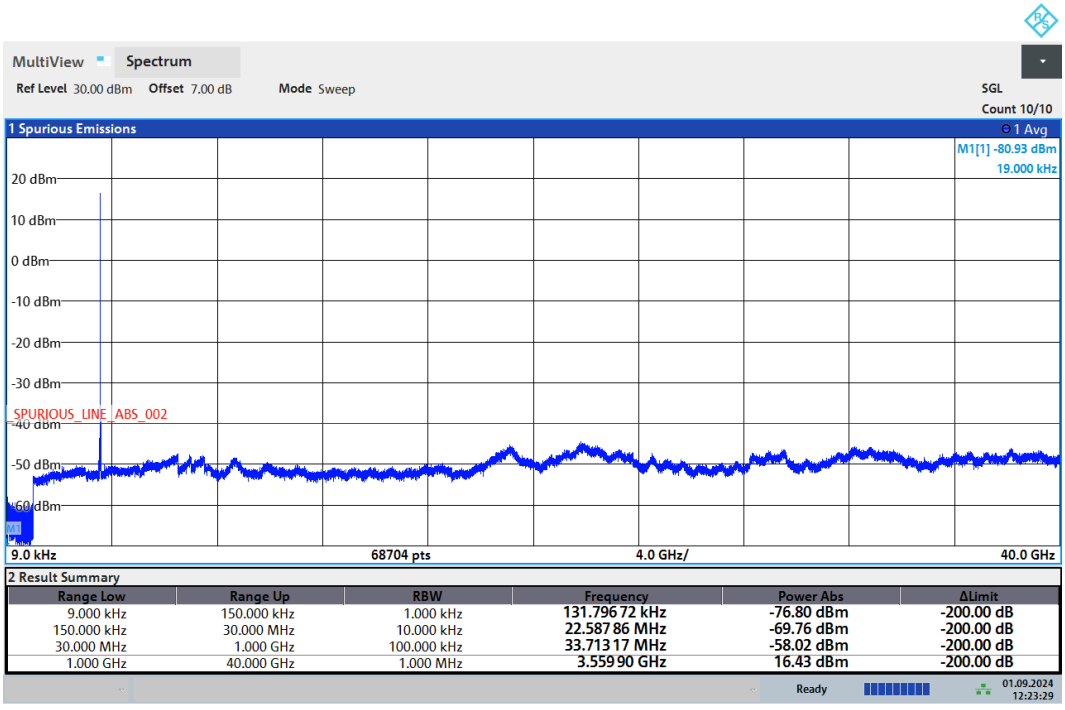
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.078	-54.02	-13
2	0.15	30	10	0.15	-57.78	-13
3	30	1000	100	898.783	-52.82	-13
4	1000	40000	1000	39265.217	-35.98	-13

LTE Band 48 QPSK BW=5MHz Channel=56715 RB Size=1 Position=#0



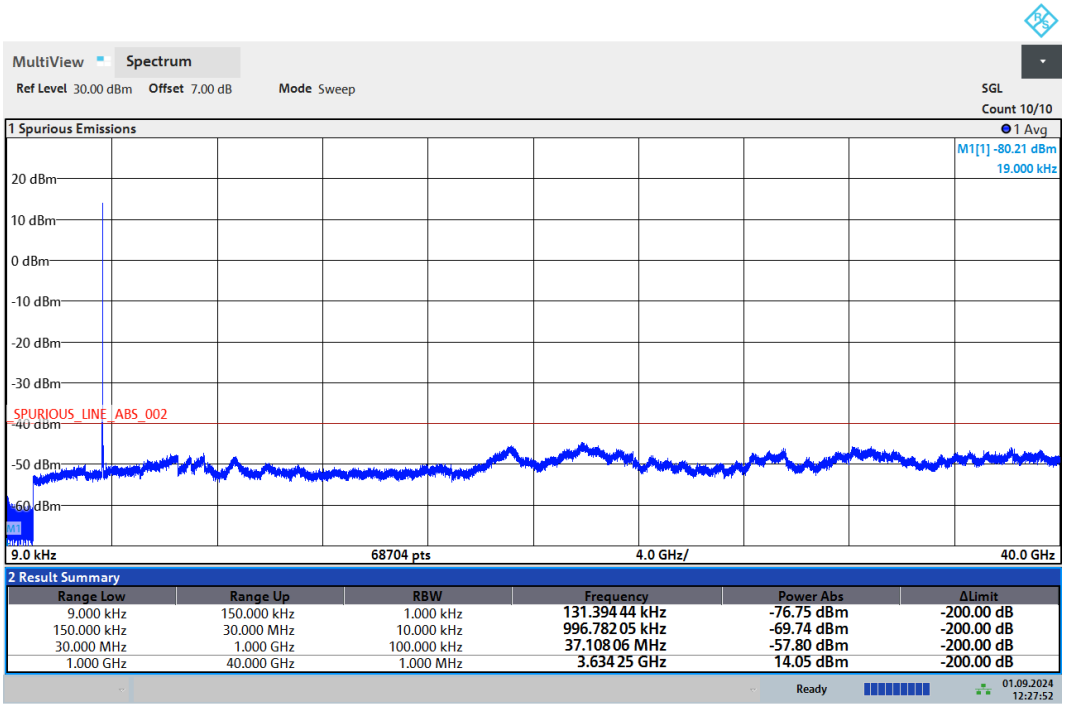
12:28:50 01.09.2024

CA_48B QPSK\10MHz+10MHz High



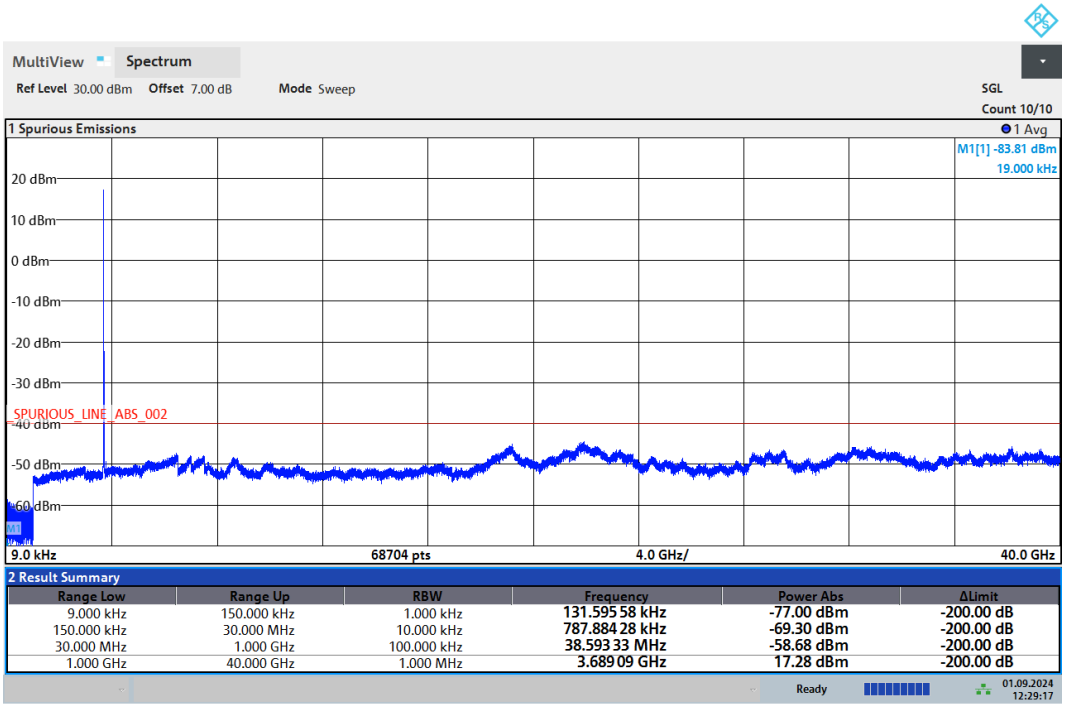
12:23:30 01.09.2024

CA_48B QPSK\10MHz+10MHz Low



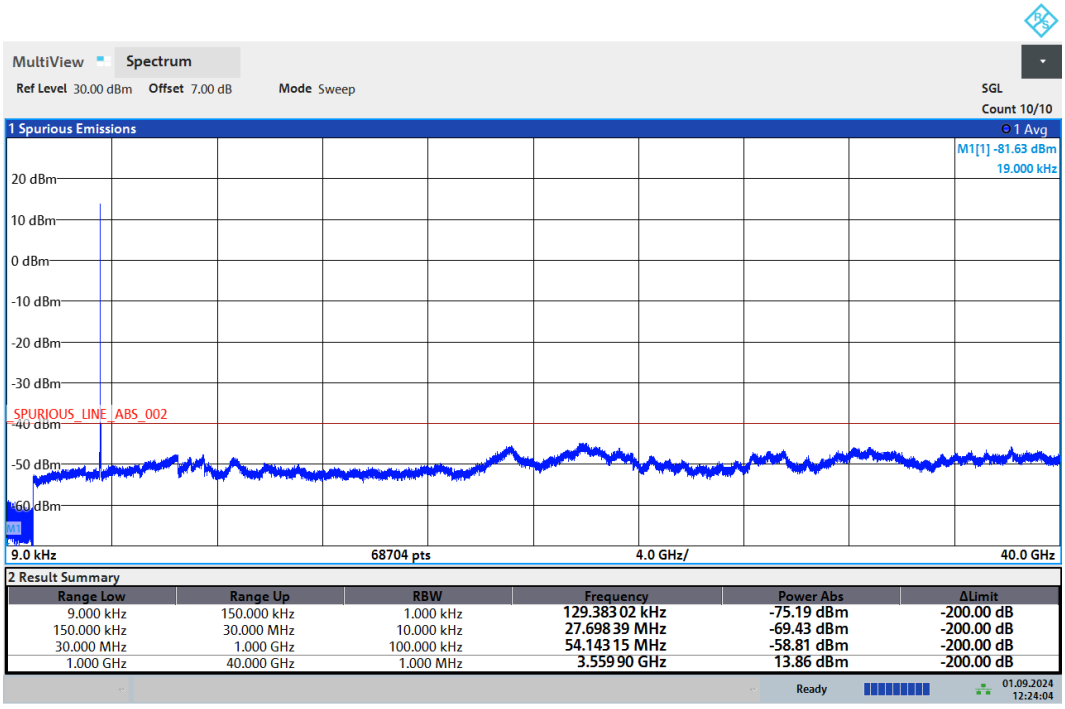
12:27:53 01.09.2024

CA_48B QPSK\10MHz+10MHz Middle



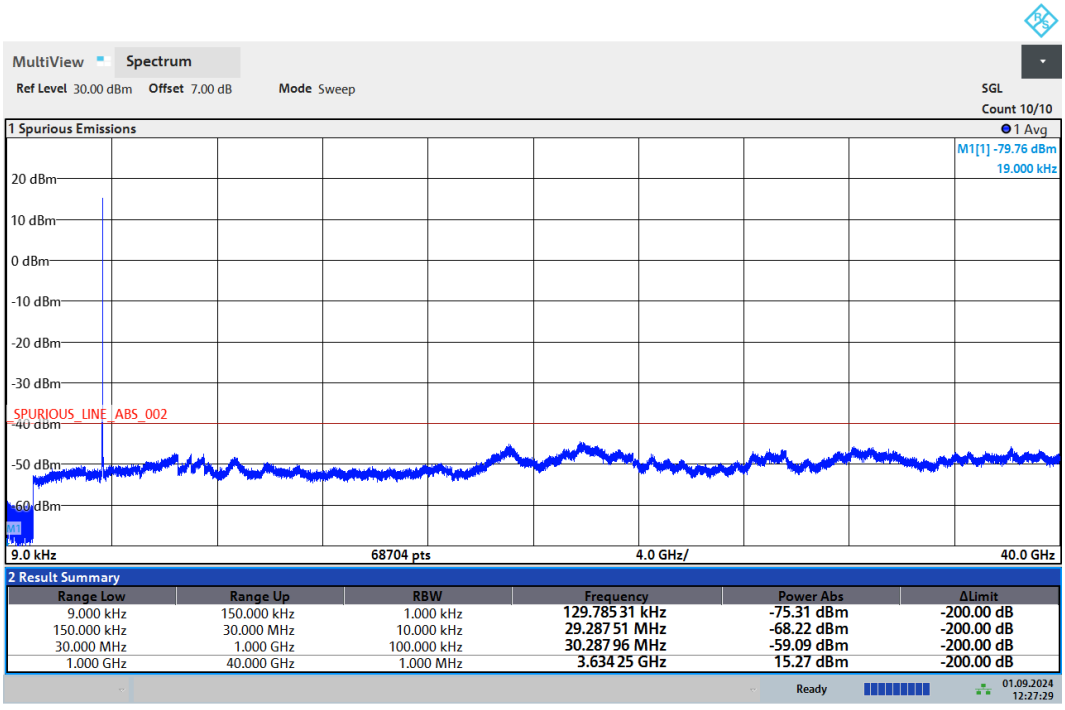
12:29:18 01.09.2024

CA_48B 16QAM\10MHz+10MHz High



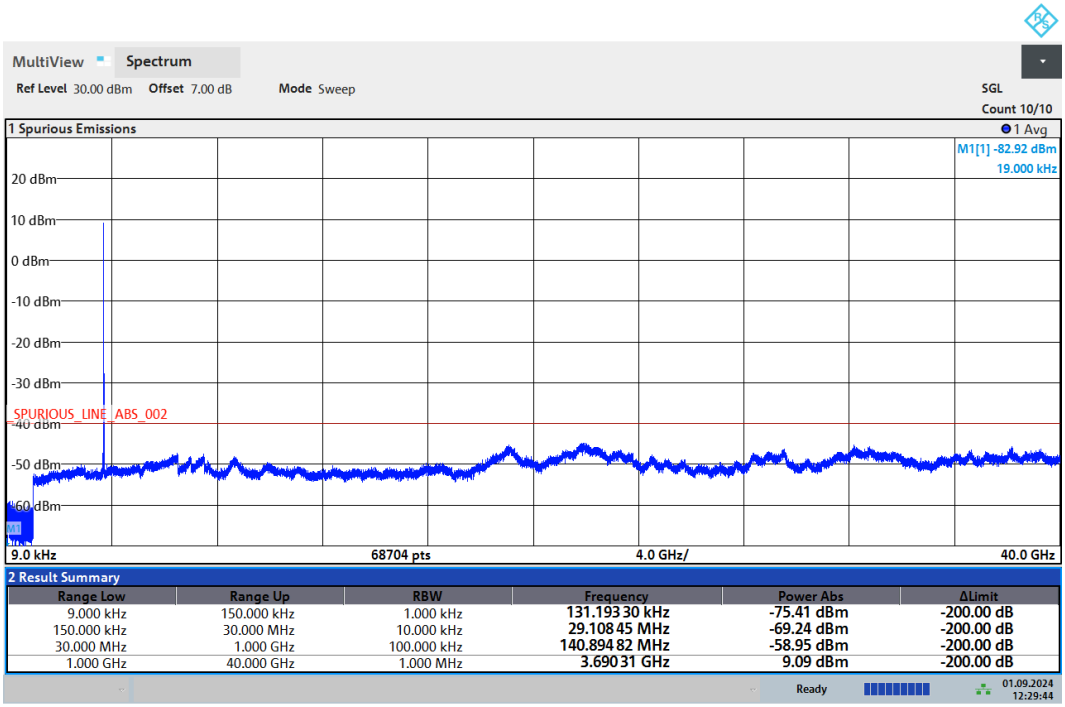
12:24:04 01.09.2024

CA_48B 16QAM\10MHz+10MHz Low



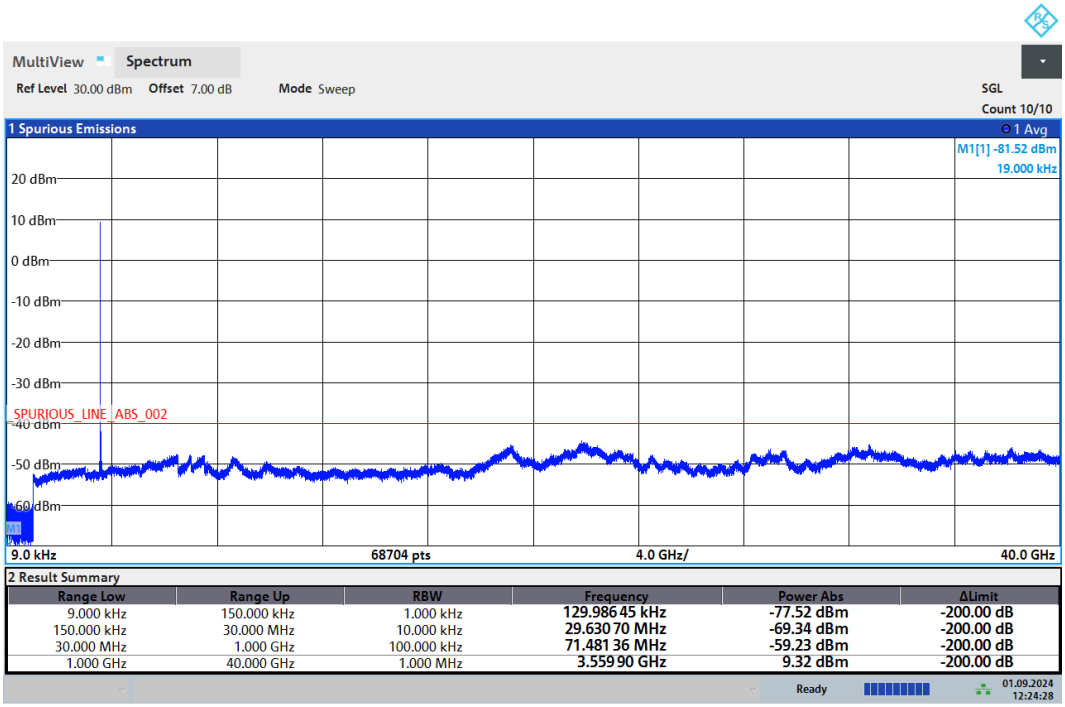
12:27:30 01.09.2024

CA_48B 16QAM\10MHz+10MHz Middle



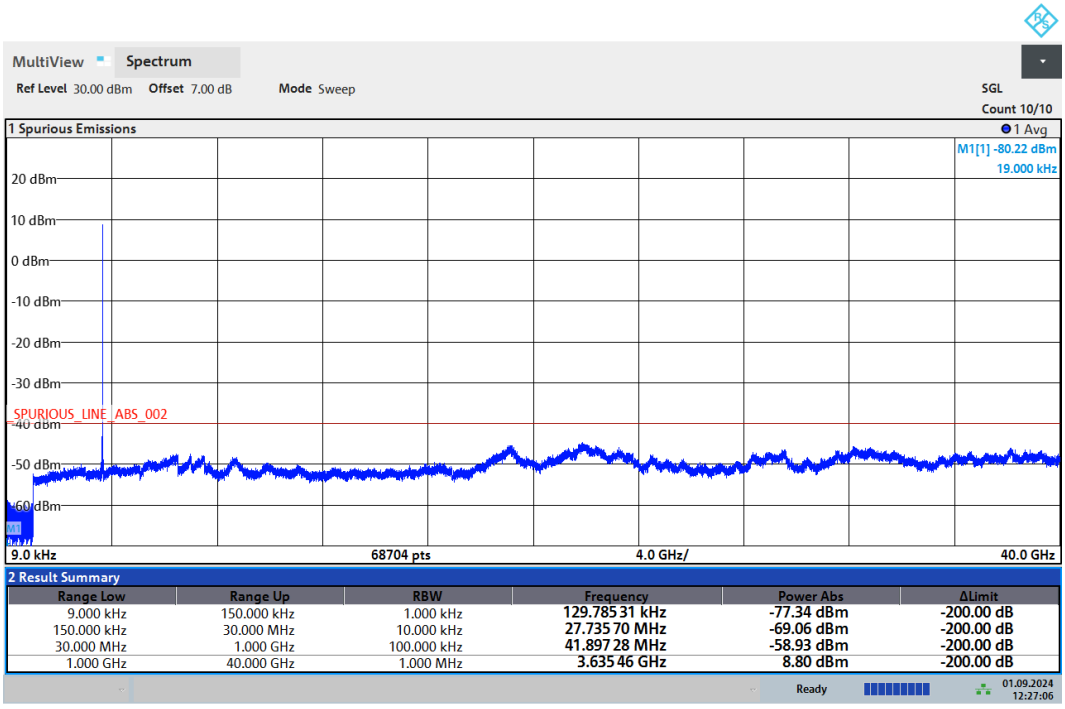
12:29:44 01.09.2024

CA_48B 64QAM\10MHz+10MHz High



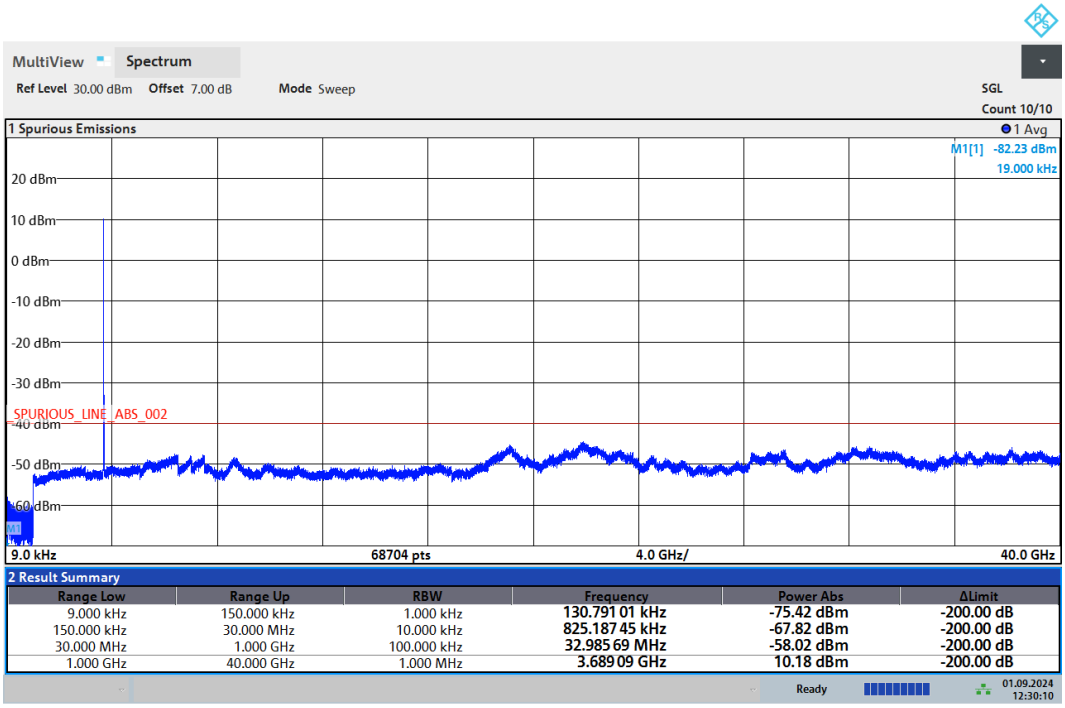
12:24:28 01.09.2024

CA_48B 64QAM\10MHz+10MHz Low



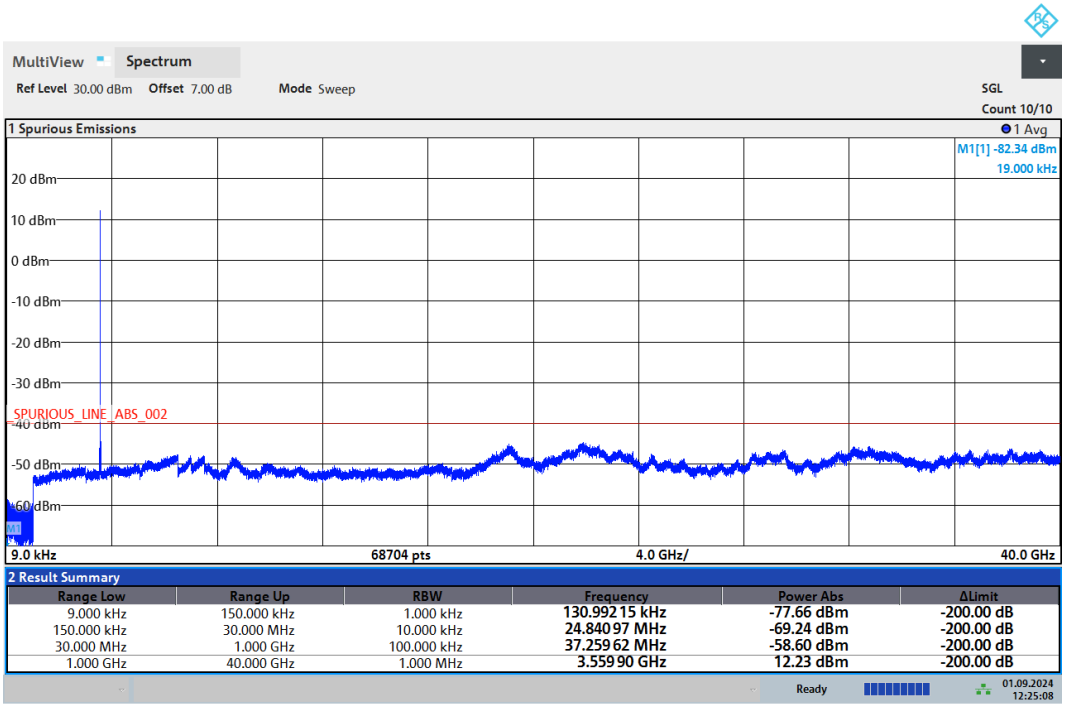
12:27:06 01.09.2024

CA_48B 64QAM\10MHz+10MHz Middle



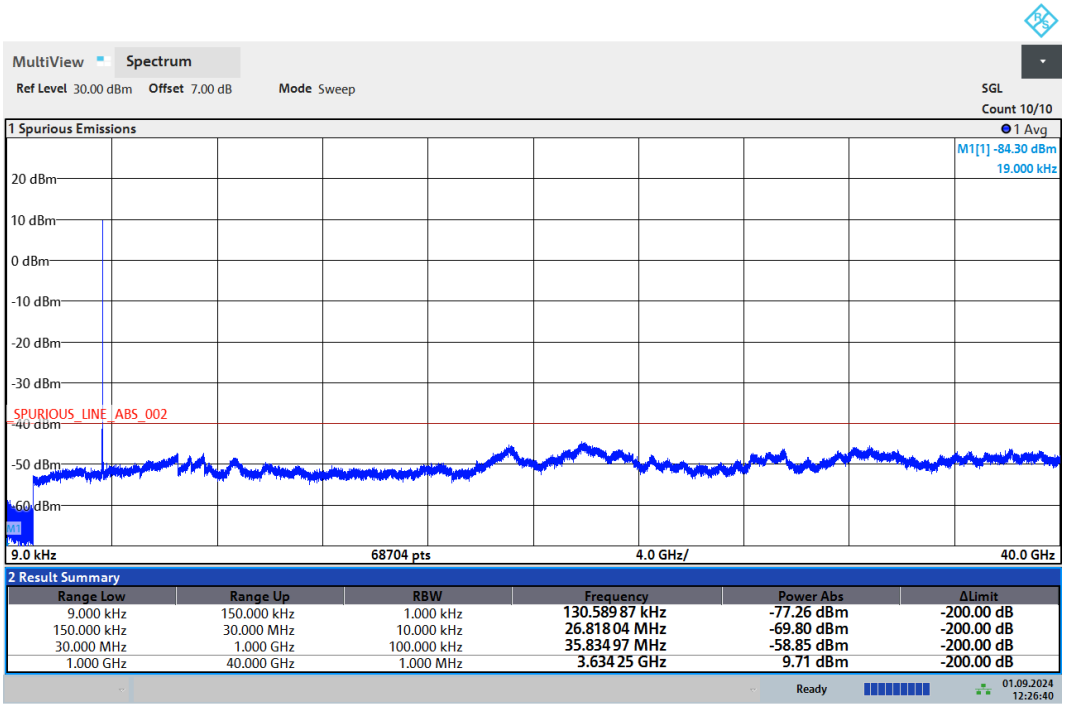
12:30:10 01.09.2024

CA_48B 256QAM\10MHz+10MHz High



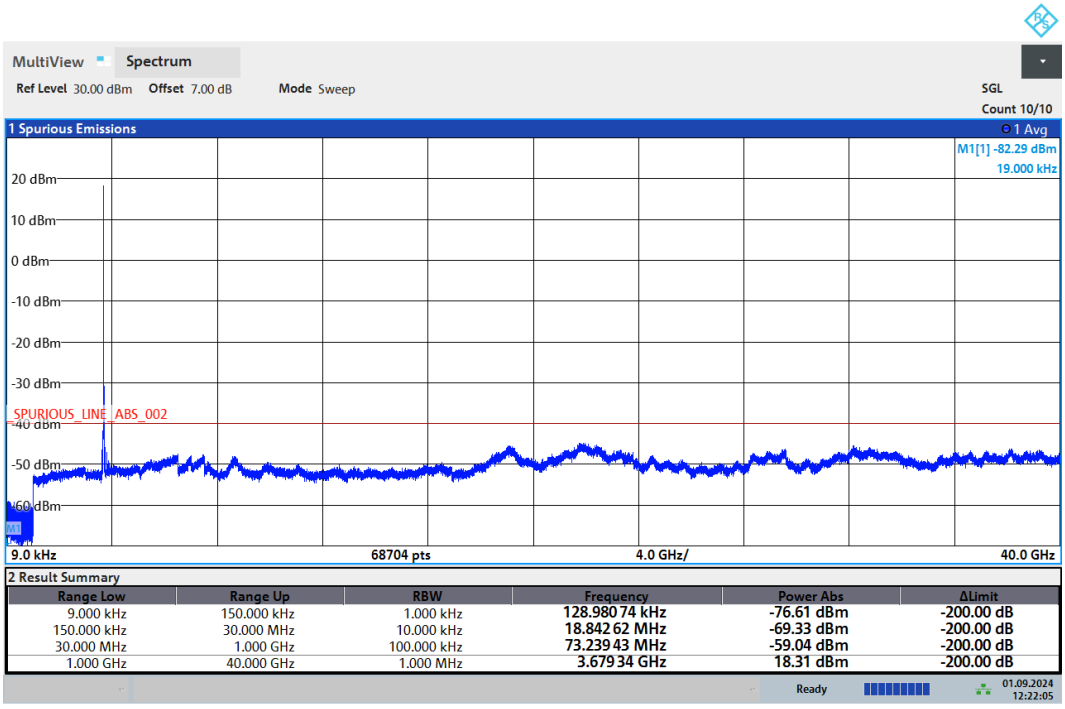
12:25:08 01.09.2024

CA_48B 256QAM\10MHz+10MHz Low



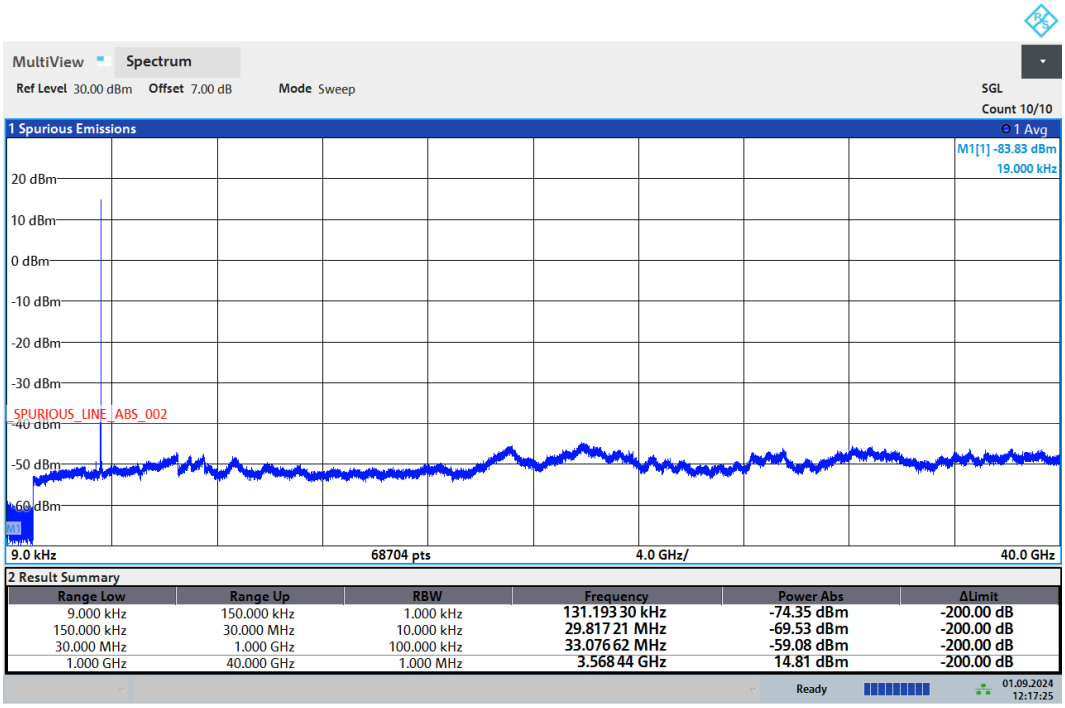
12:26:40 01.09.2024

CA_48B 256QAM\10MHz+10MHz Middle



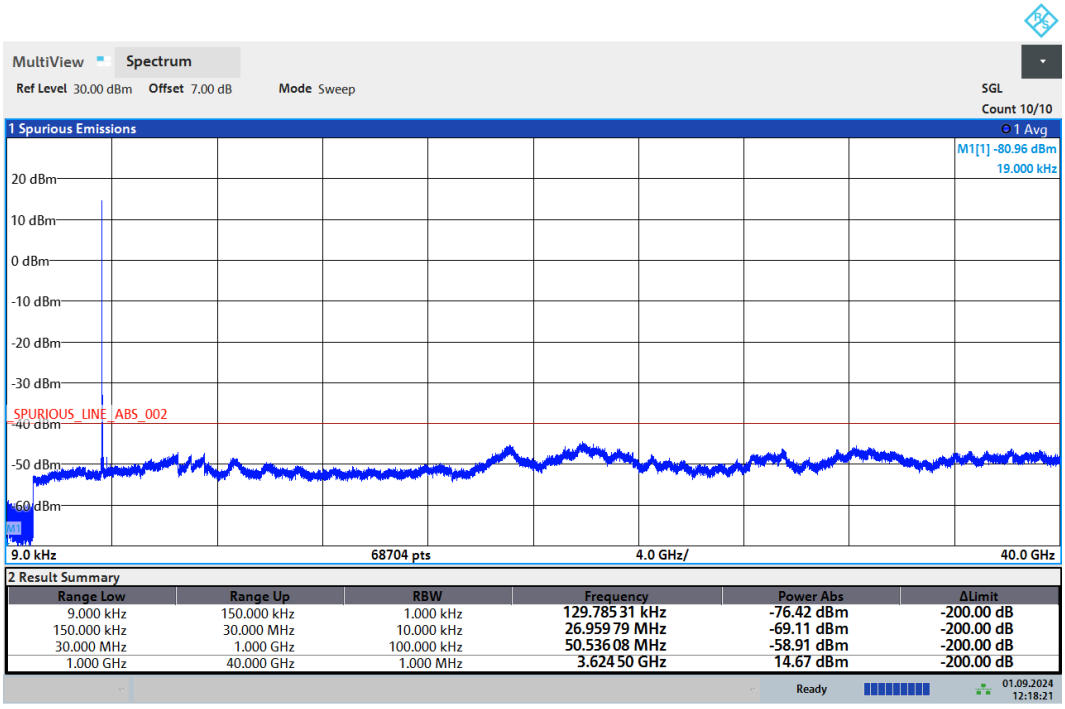
12:22:05 01.09.2024

CA_48C QPSK\20MHz+20MHz High



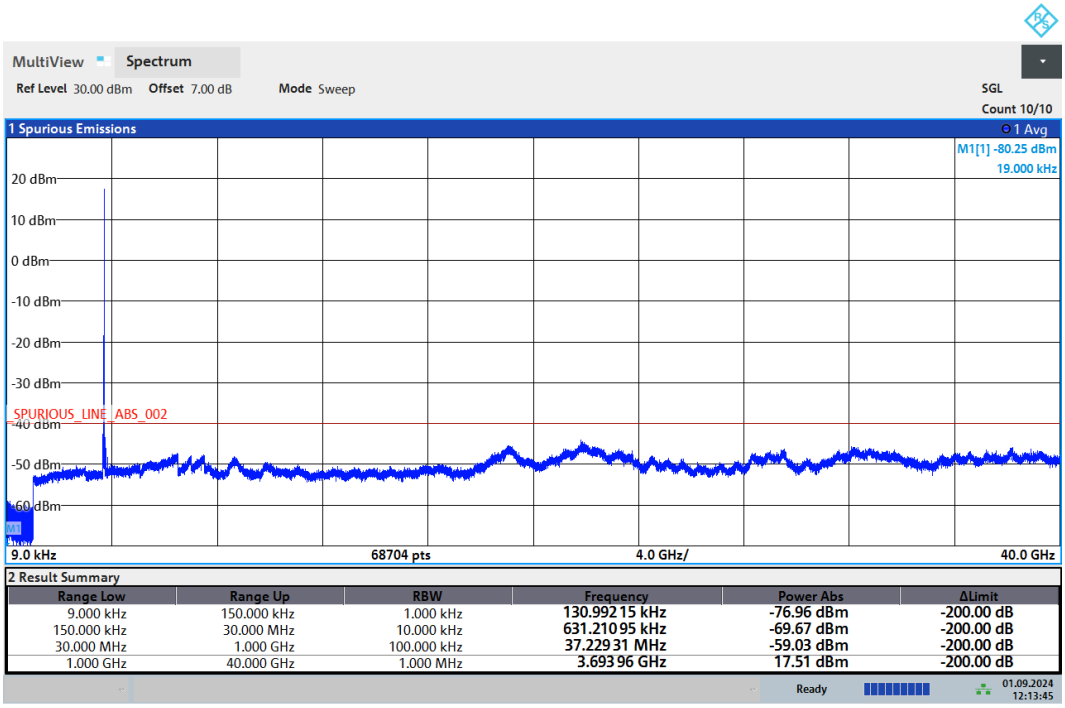
12:17:26 01.09.2024

CA_48C QPSK\20MHz+20MHz Low



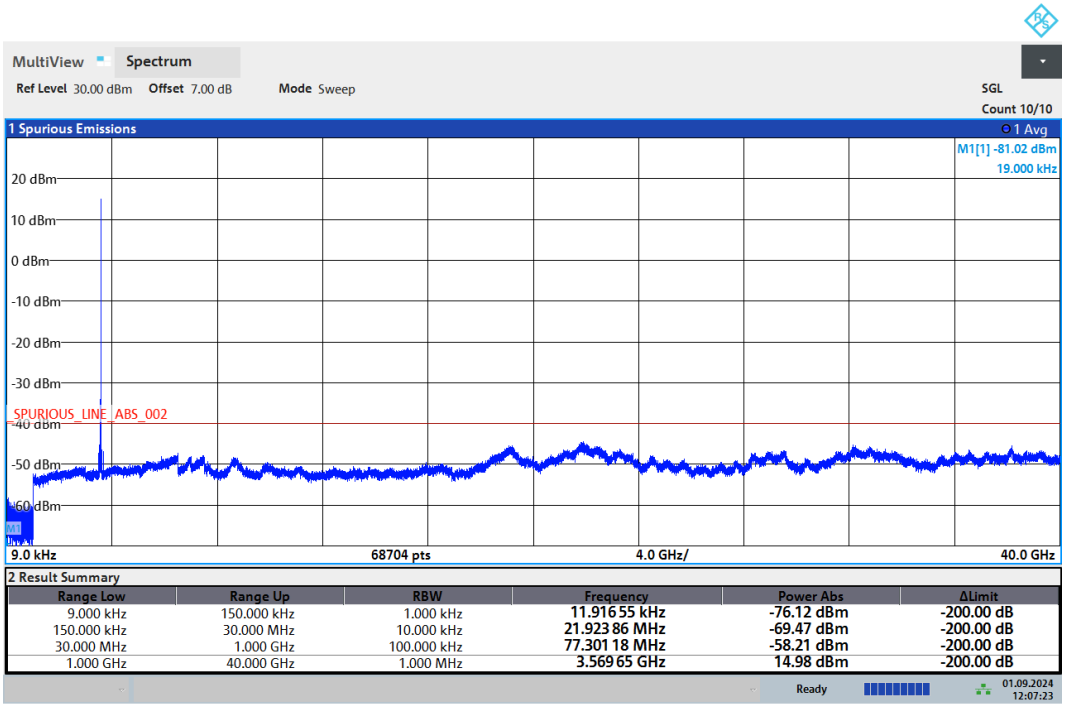
12:18:21 01.09.2024

CA_48C QPSK\20MHz+20MHz Middle

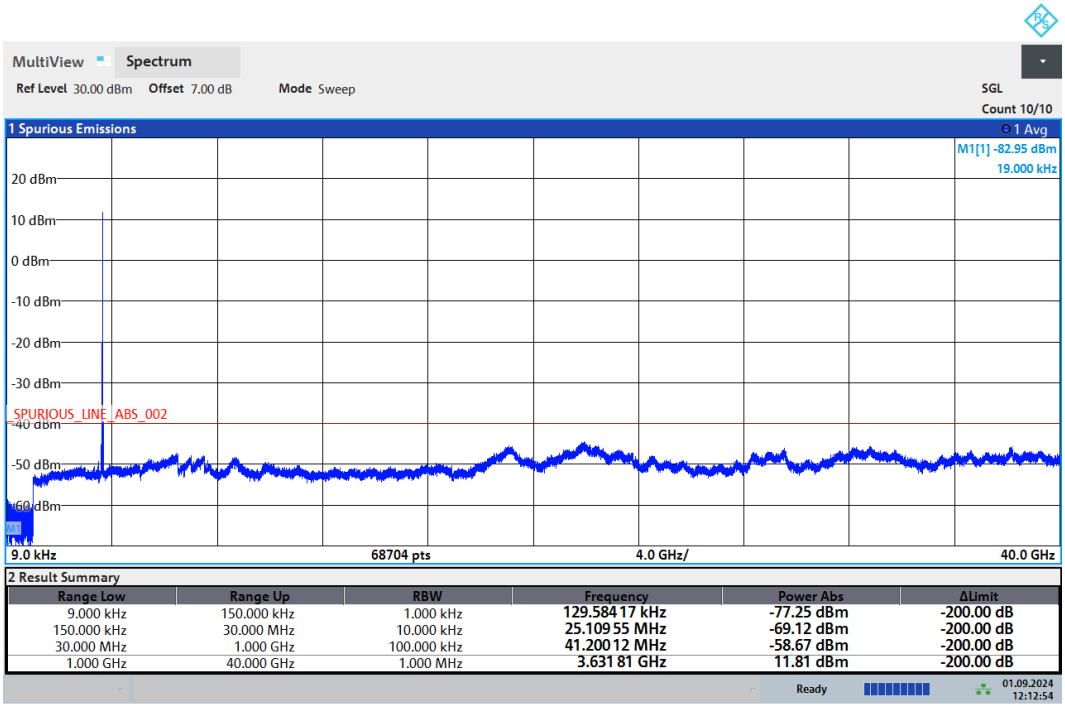


12:13:46 01.09.2024

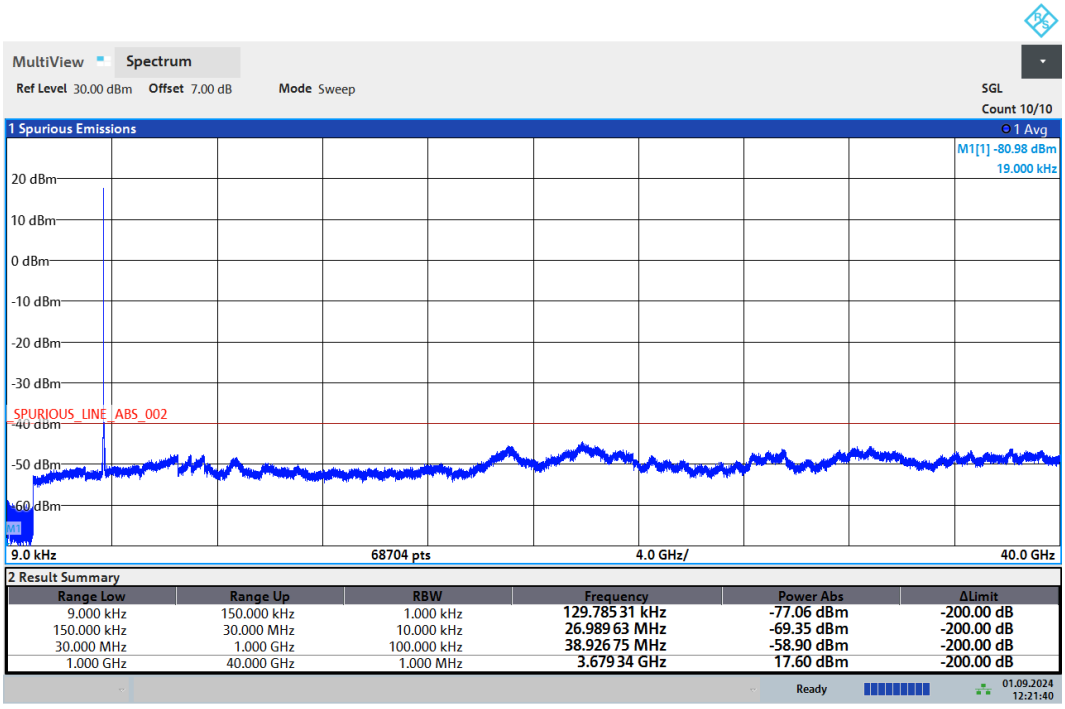
CA_48C QPSK\20MHz+5MHz High



CA_48C QPSK\20MHz+5MHz Low

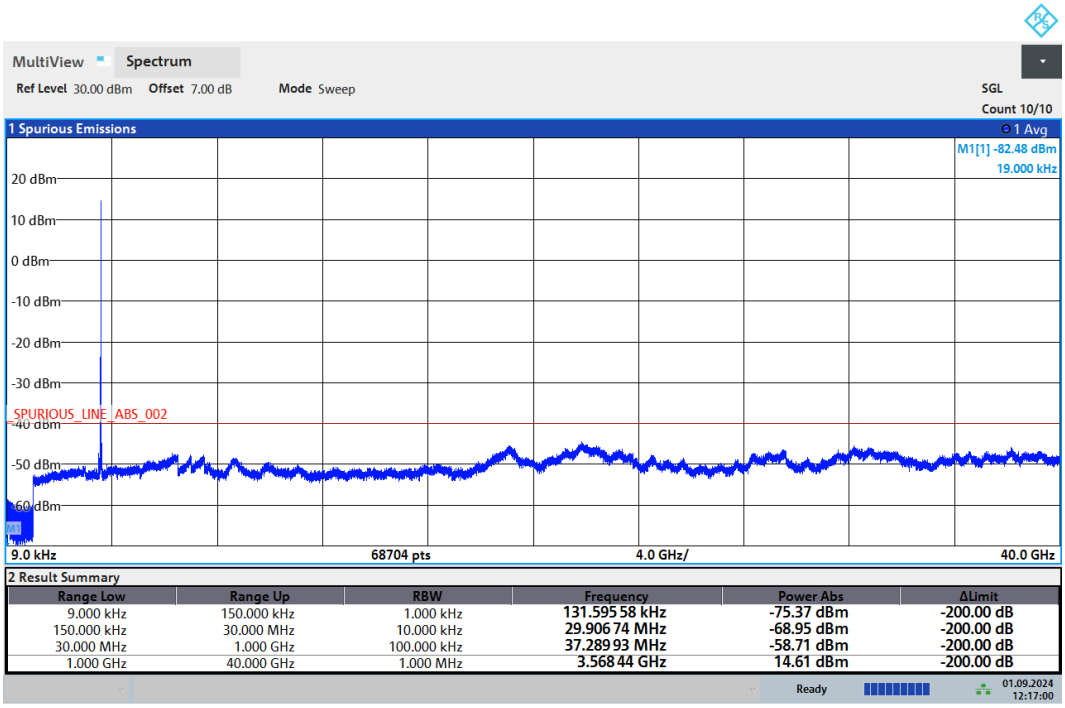


CA_48C QPSK\20MHz+5MHz Middle



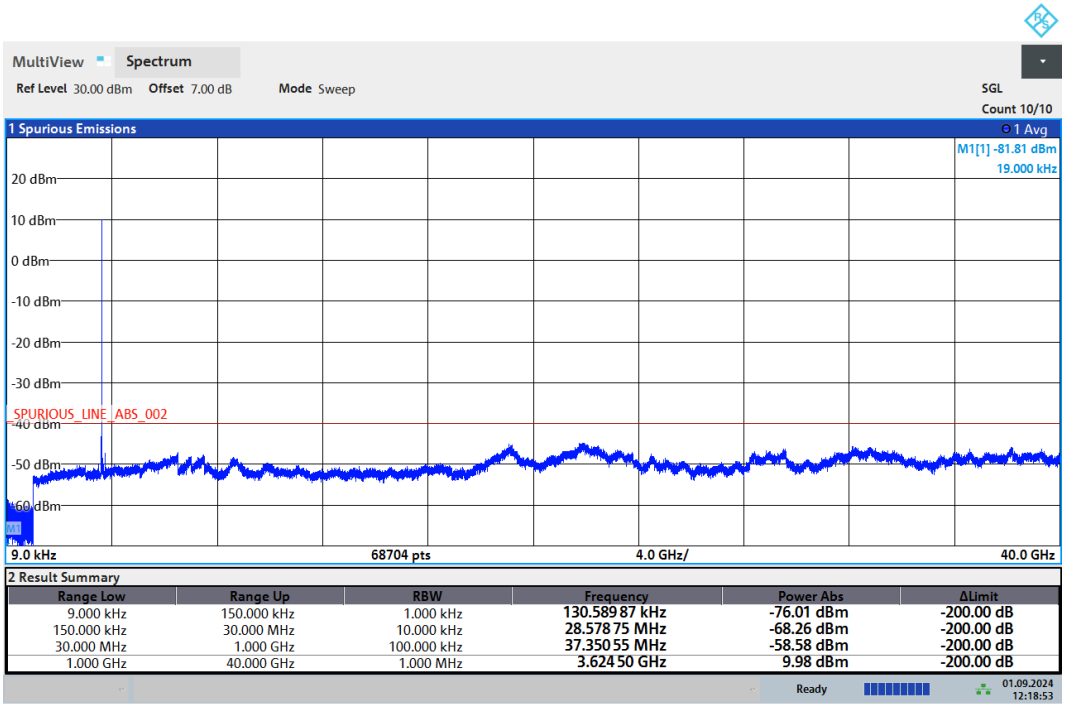
12:21:41 01.09.2024

CA_48C 16QAM\20MHz+20MHz High



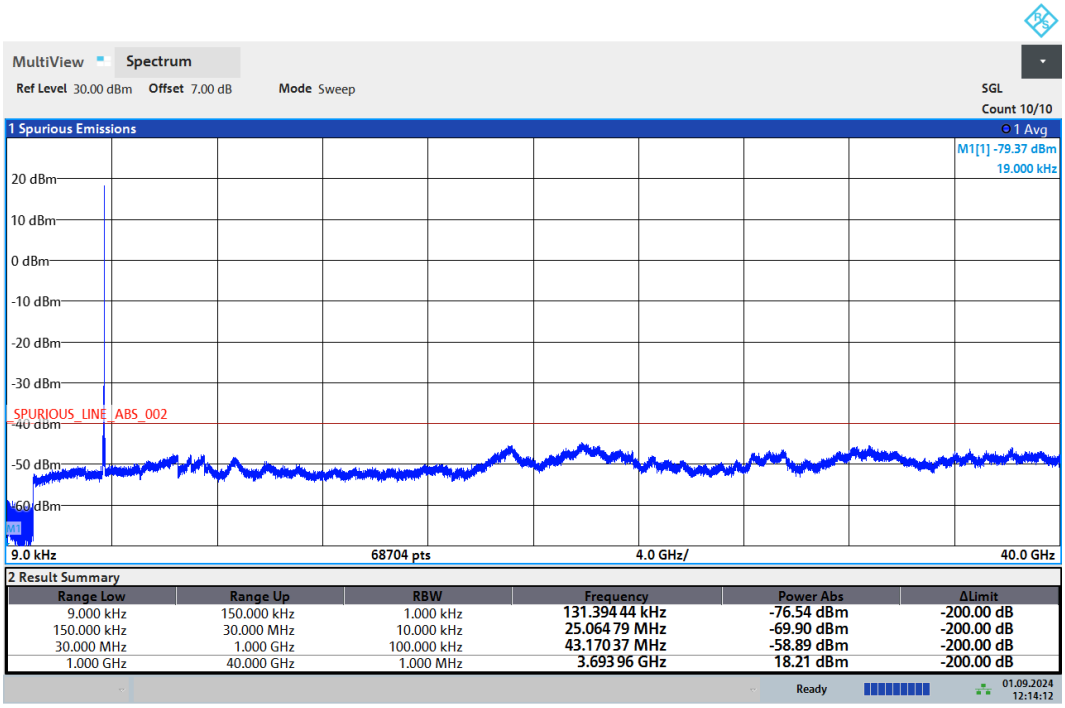
12:17:00 01.09.2024

CA_48C 16QAM\20MHz+20MHz Low



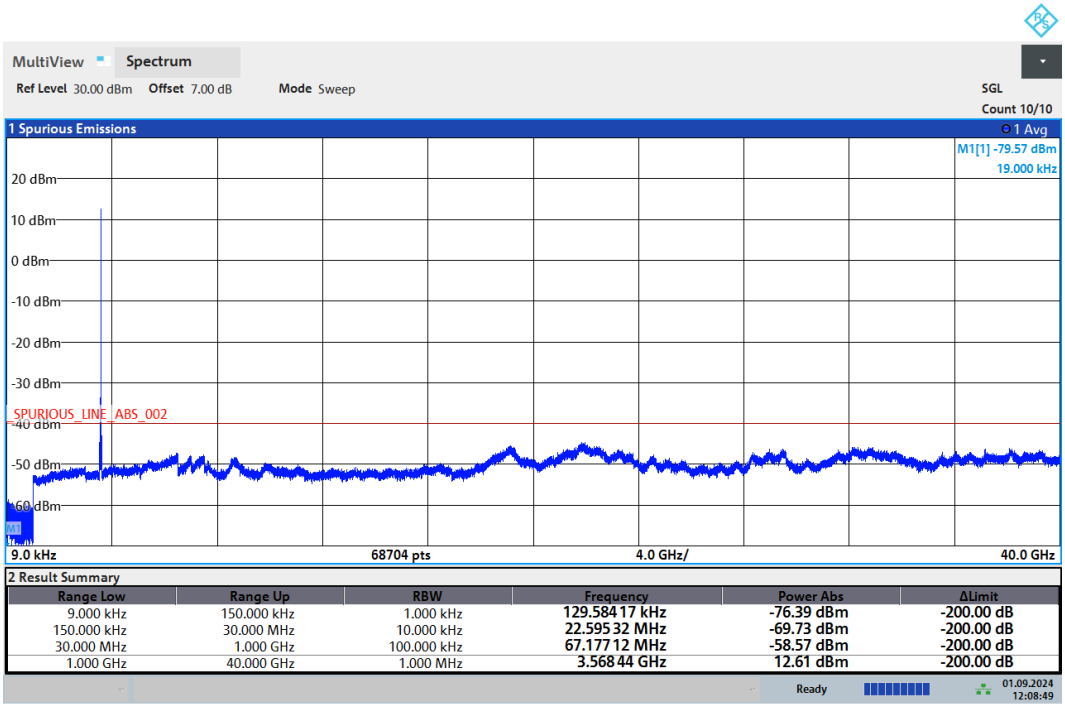
12:18:53 01.09.2024

CA_48C 16QAM\20MHz+20MHz Middle



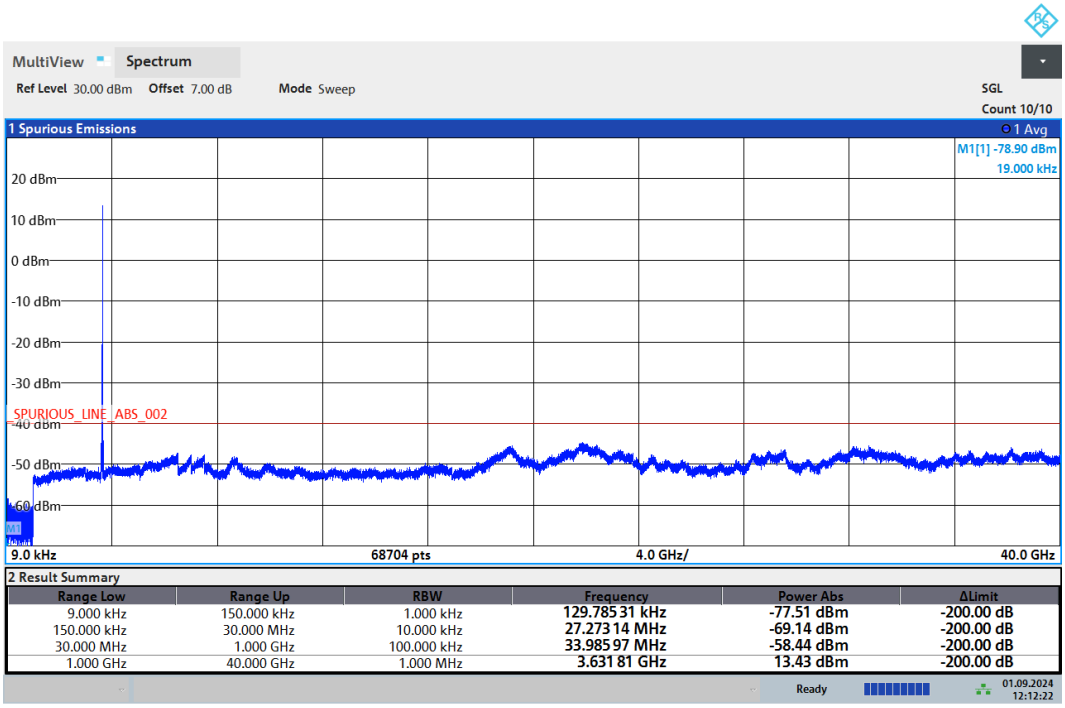
12:14:12 01.09.2024

CA_48C 16QAM\20MHz+5MHz High



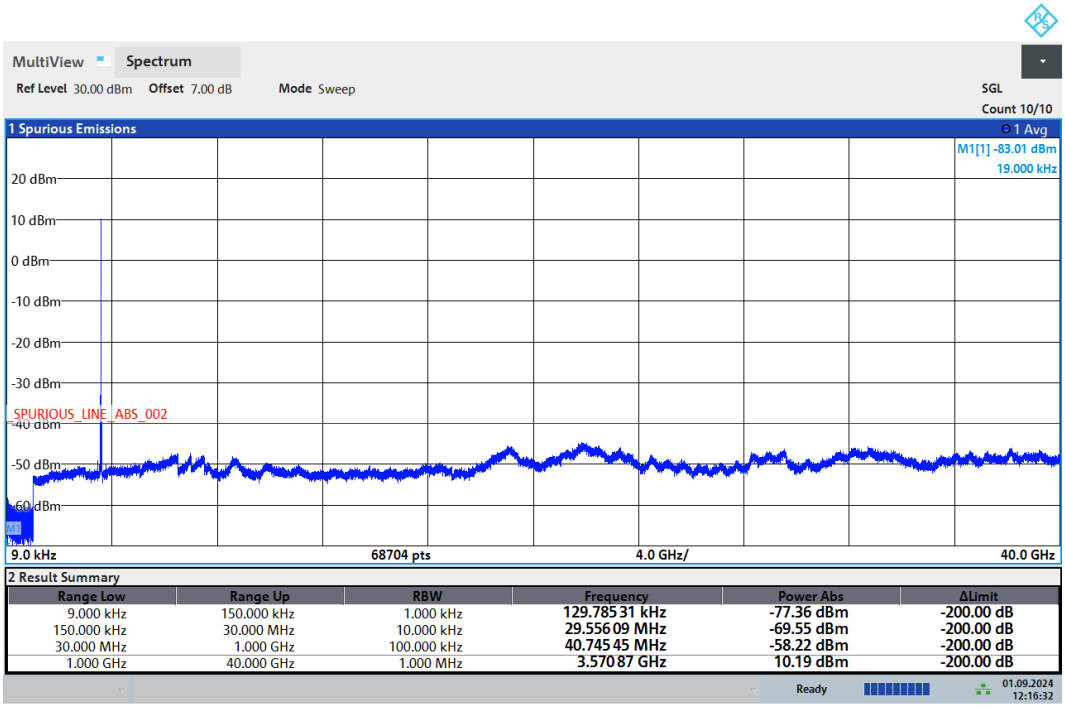
12:08:49 01.09.2024

CA_48C 16QAM\20MHz+5MHz Low



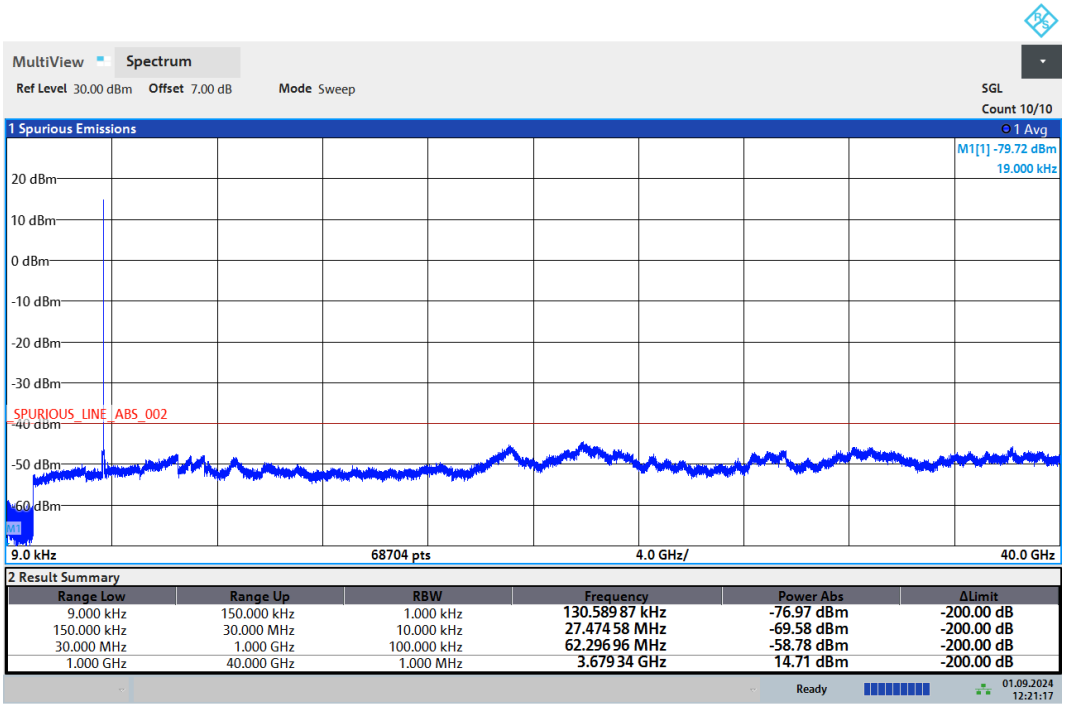
12:12:23 01.09.2024

CA_48C 16QAM\20MHz+5MHz Middle



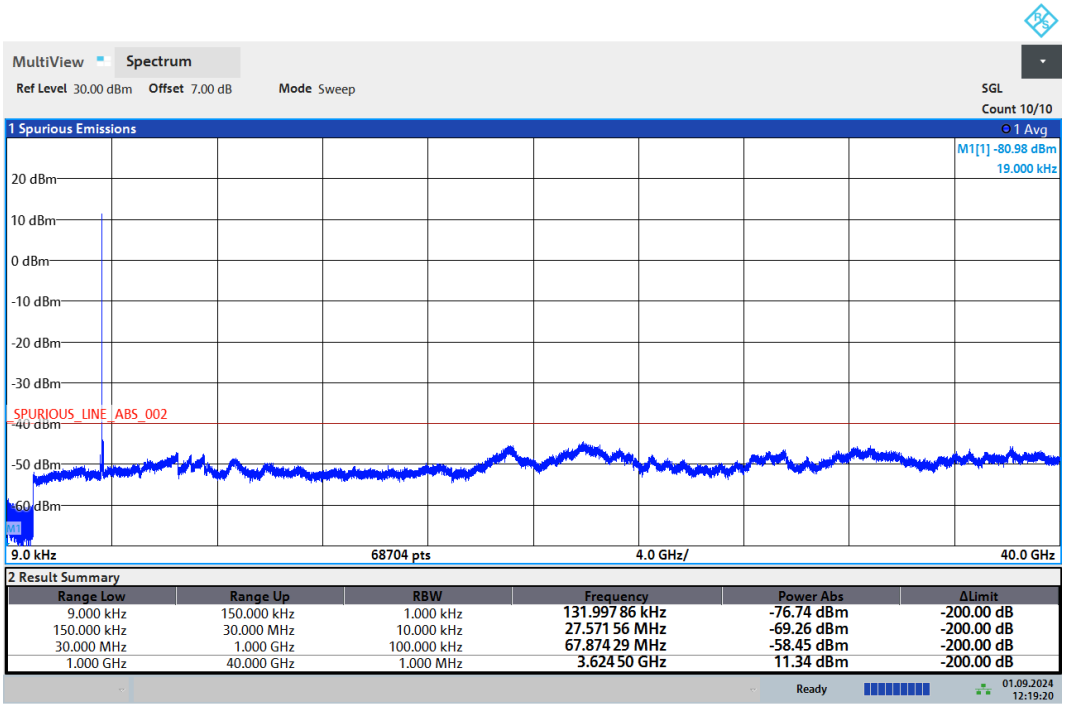
12:16:33 01.09.2024

CA_48C 64QAM\2+20L



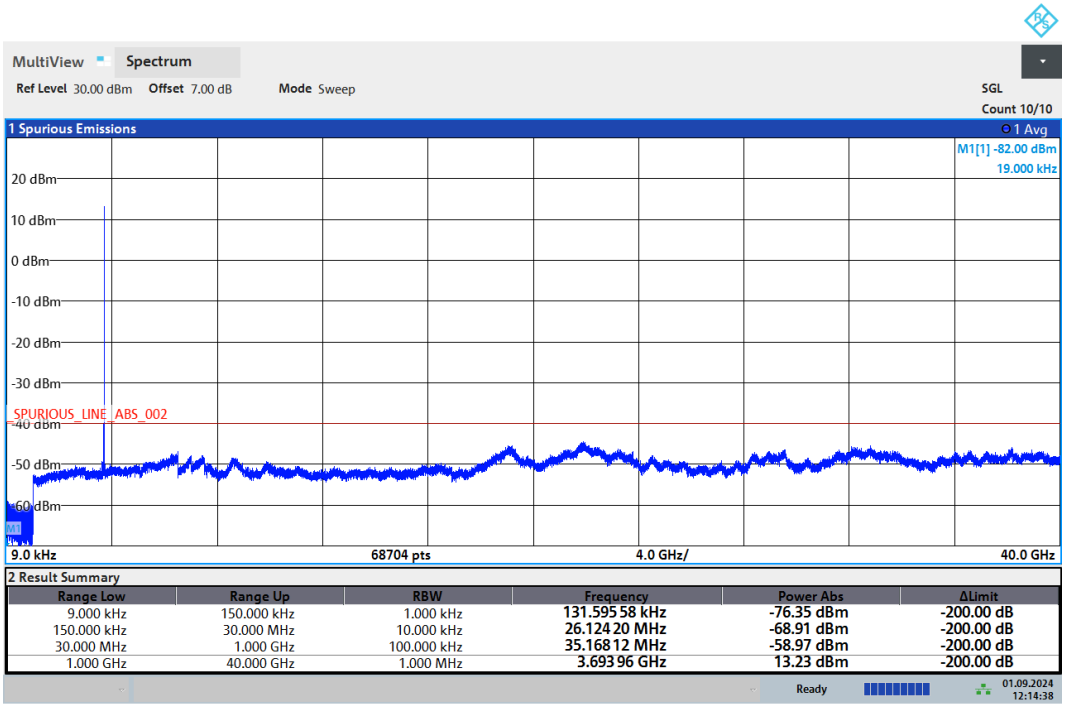
12:21:17 01.09.2024

CA_48C 64QAM\20MHz+20MHz High



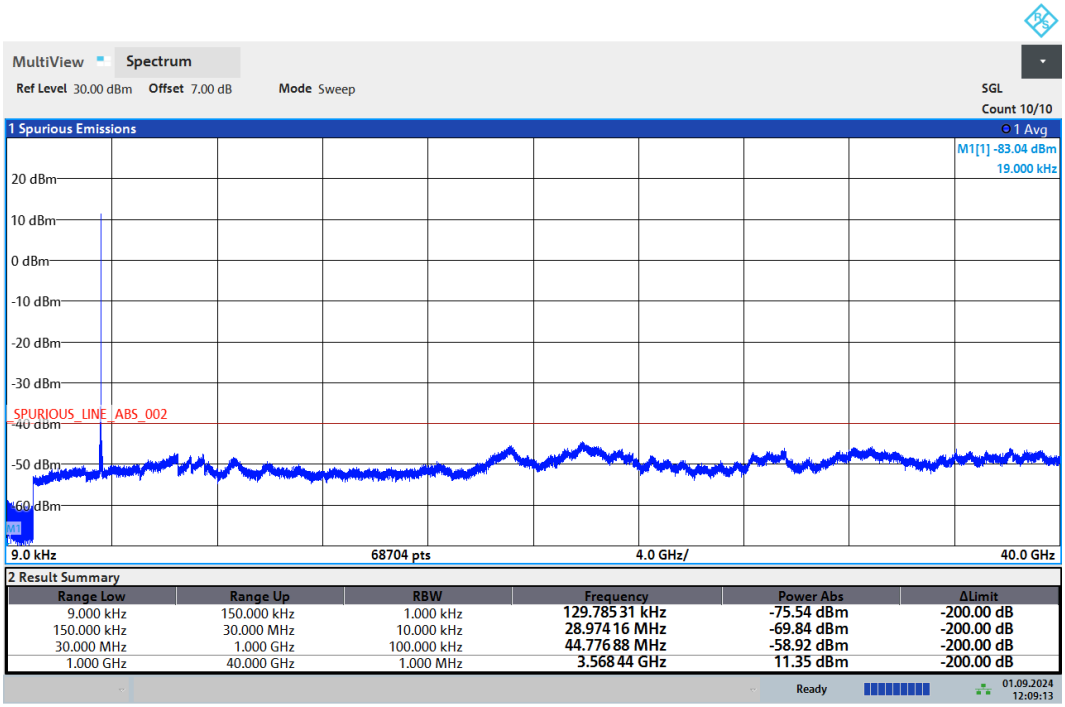
12:19:21 01.09.2024

CA_48C 64QAM\20MHz+20MHz Middle



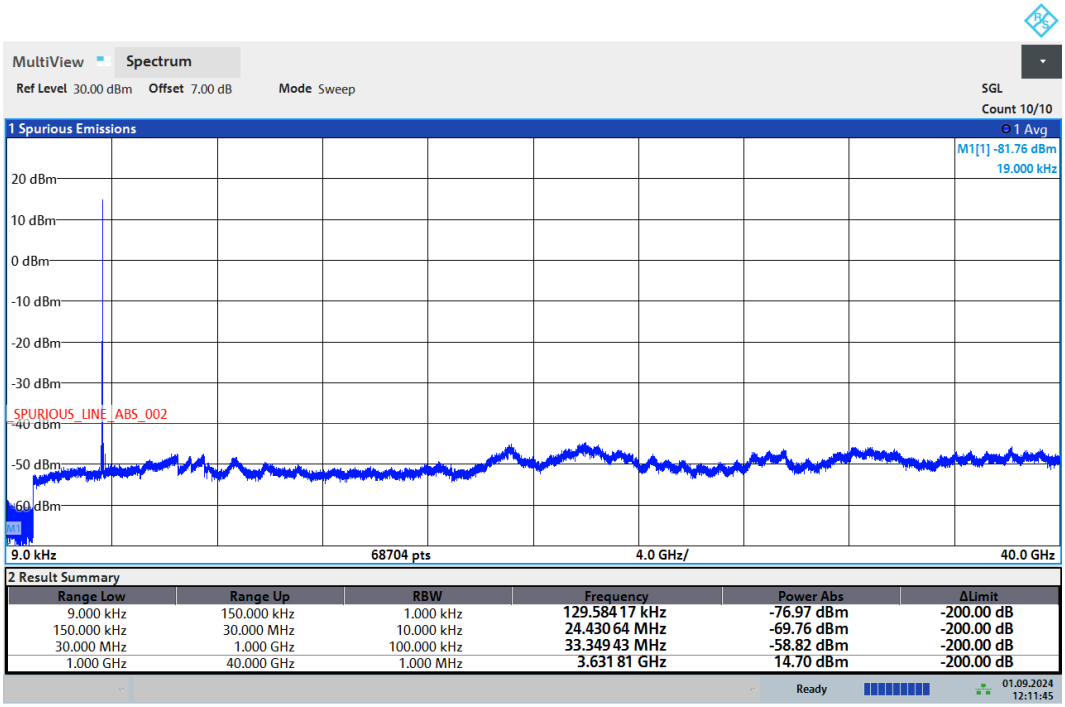
12:14:38 01.09.2024

CA_48C 64QAM\20MHz+5MHz High



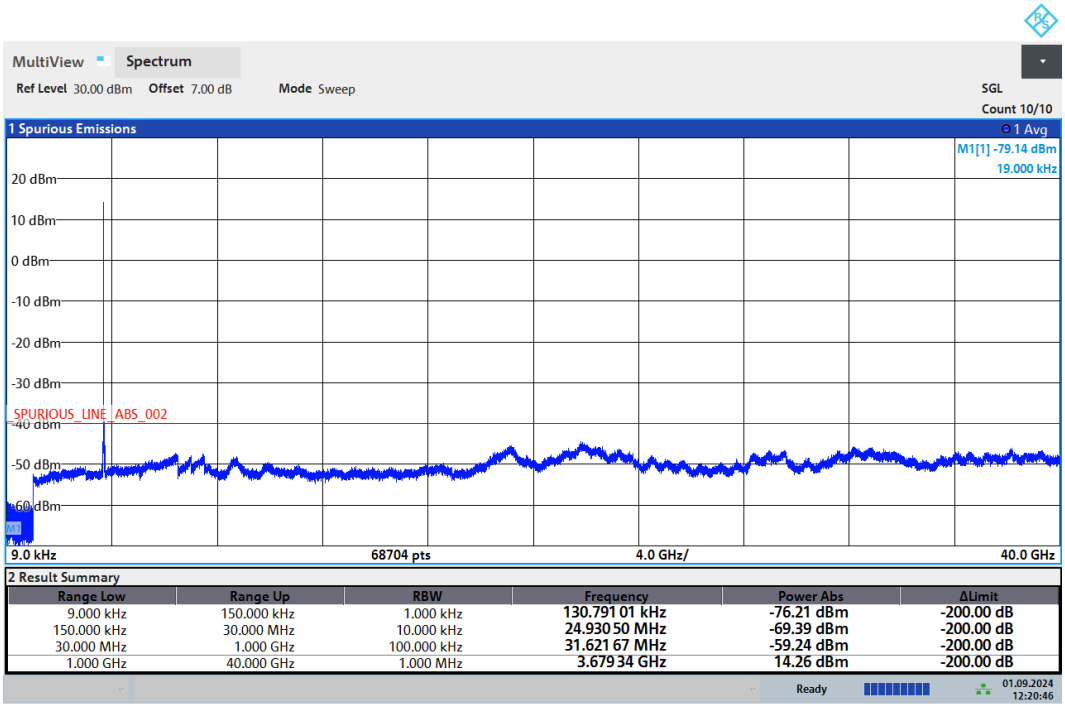
12:09:14 01.09.2024

CA_48C 64QAM\20MHz+5MHz Low



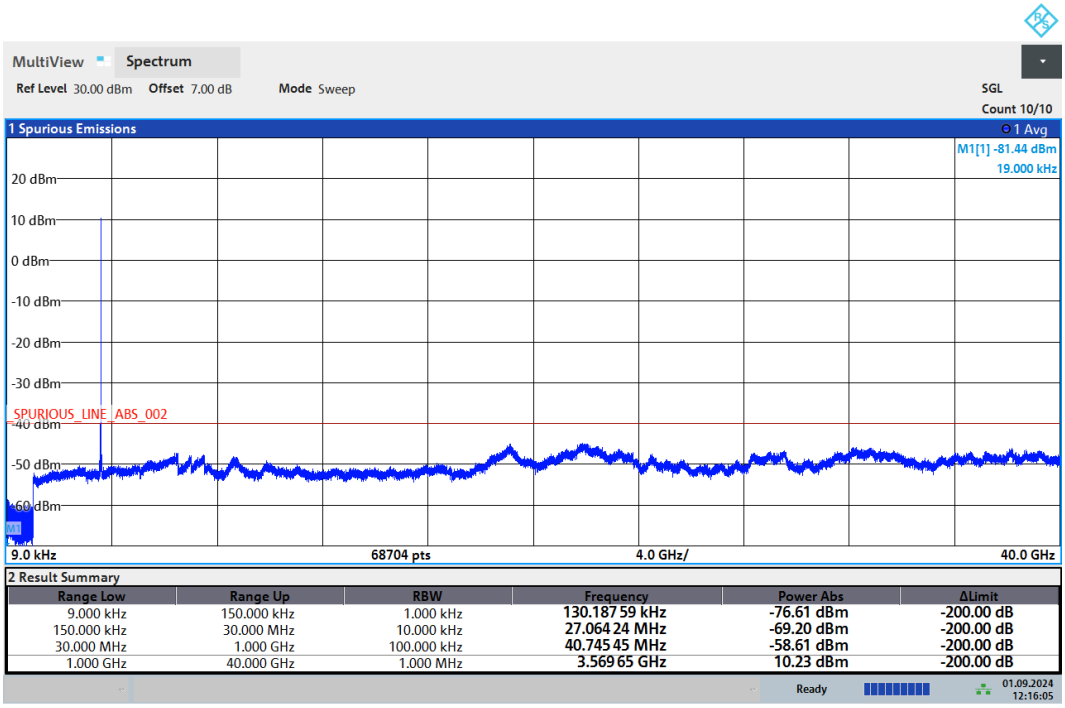
12:11:46 01.09.2024

CA_48C 64QAM\20MHz+5MHz Middle



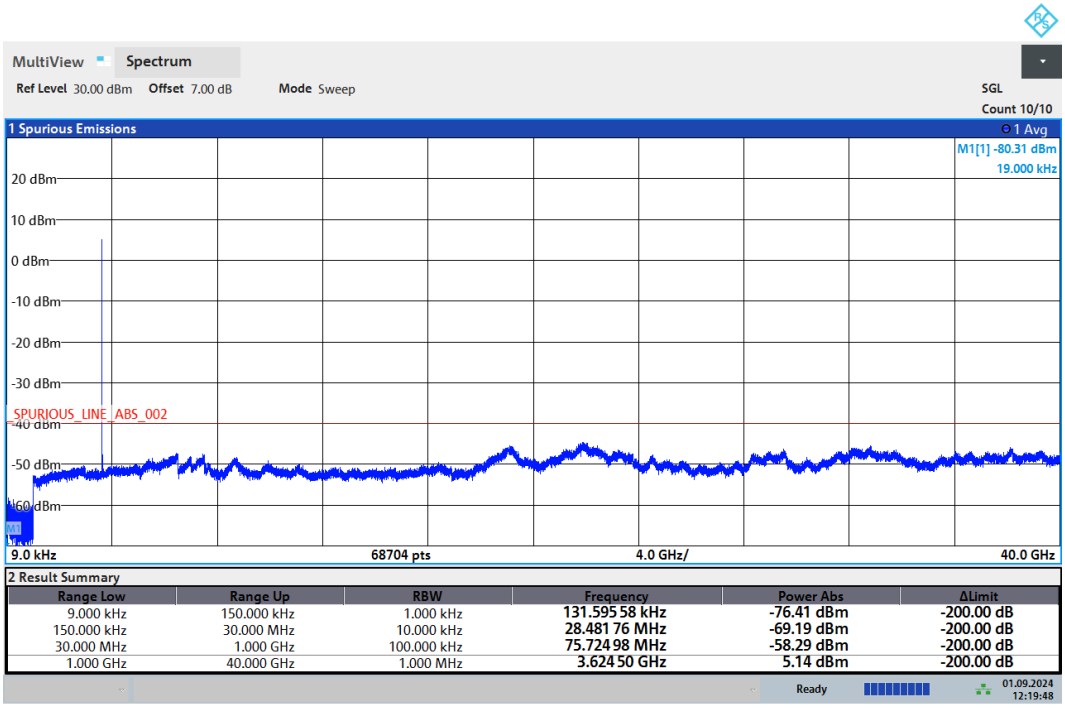
12:20:46 01.09.2024

CA_48C 256QAM\20MHz+20MHz High



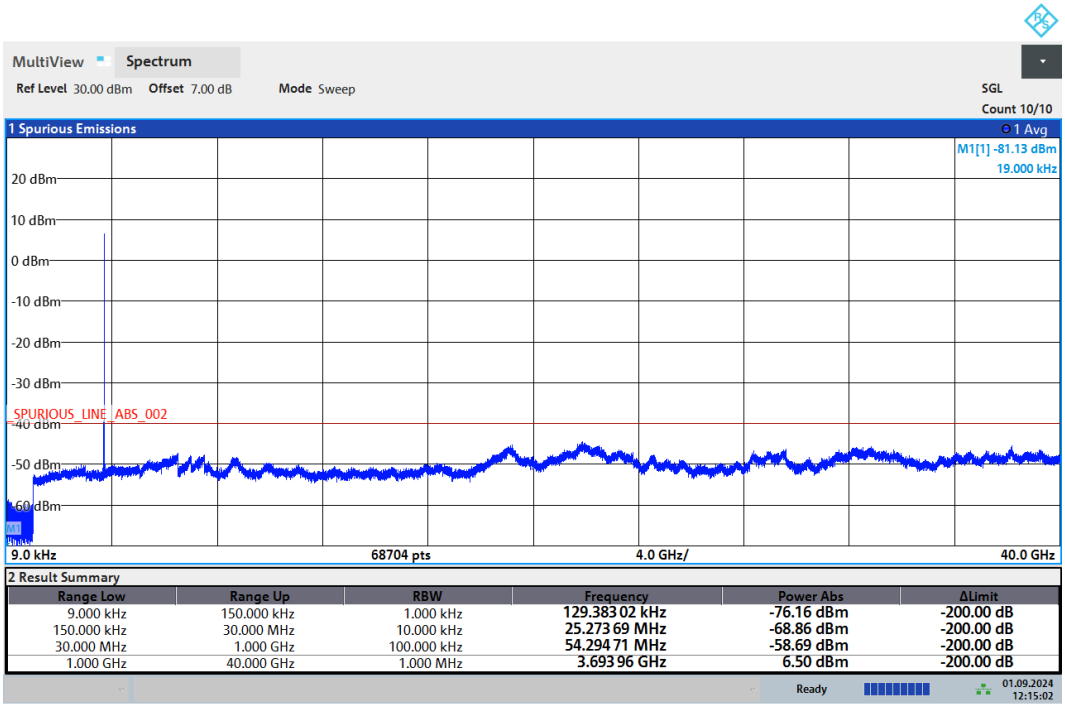
12:16:05 01.09.2024

CA_48C 256QAM\20MHz+20MHz Low



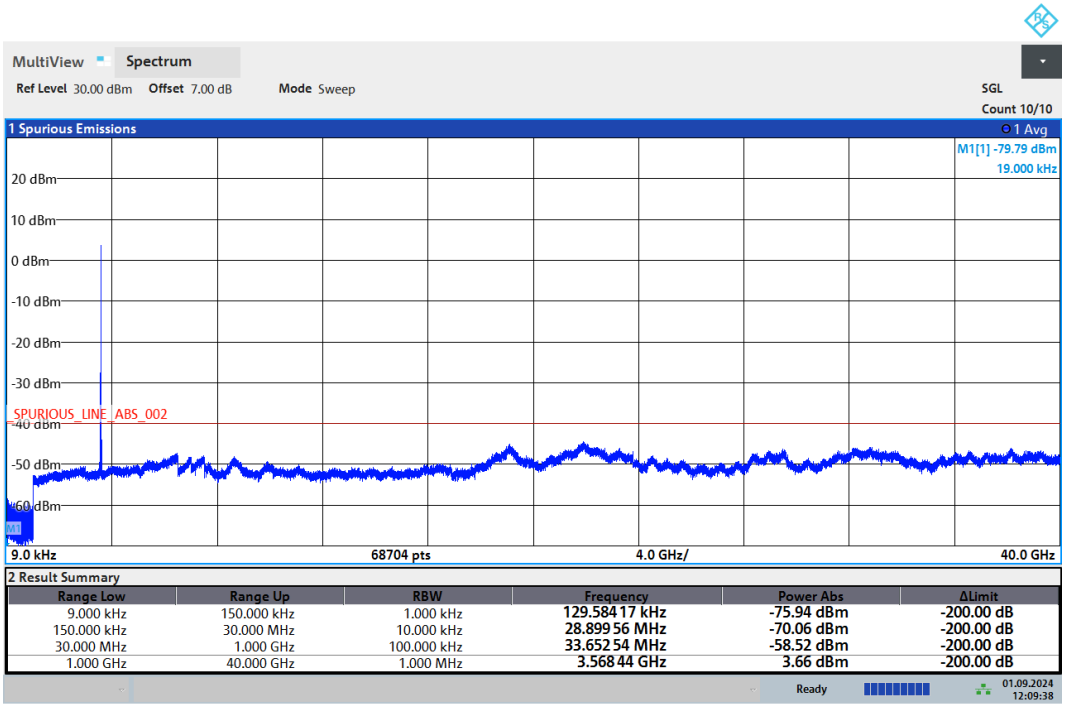
12:19:49 01.09.2024

CA_48C 256QAM\20MHz+20MHz Middle



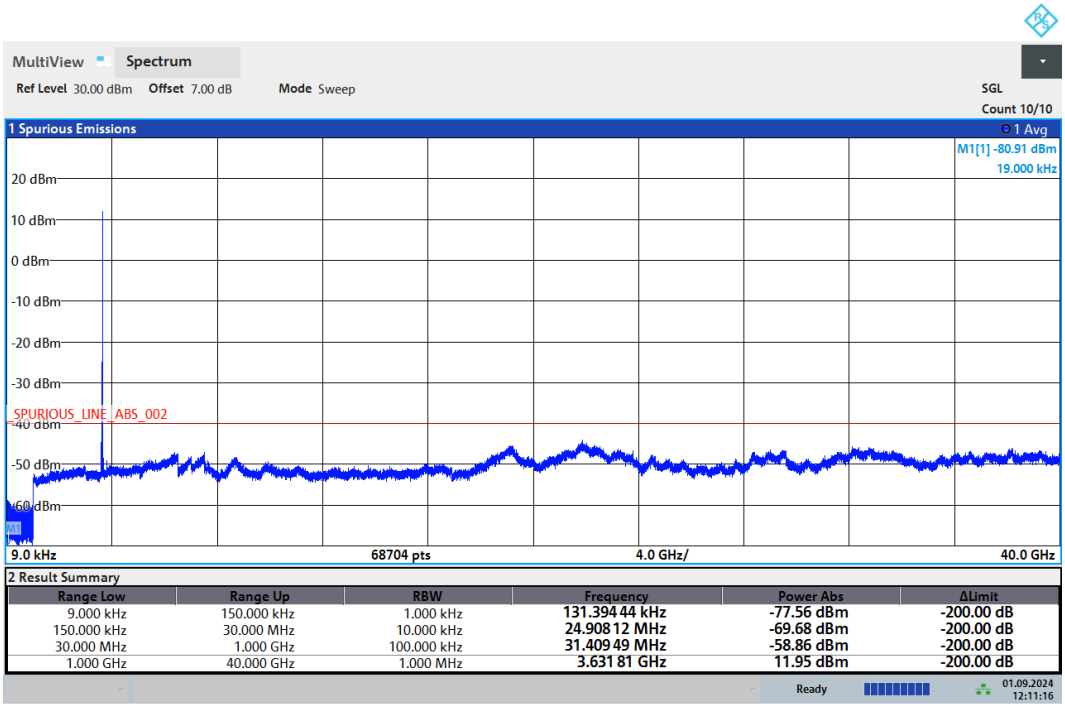
12:15:03 01.09.2024

CA_48C 256QAM\20MHz+5MHz High



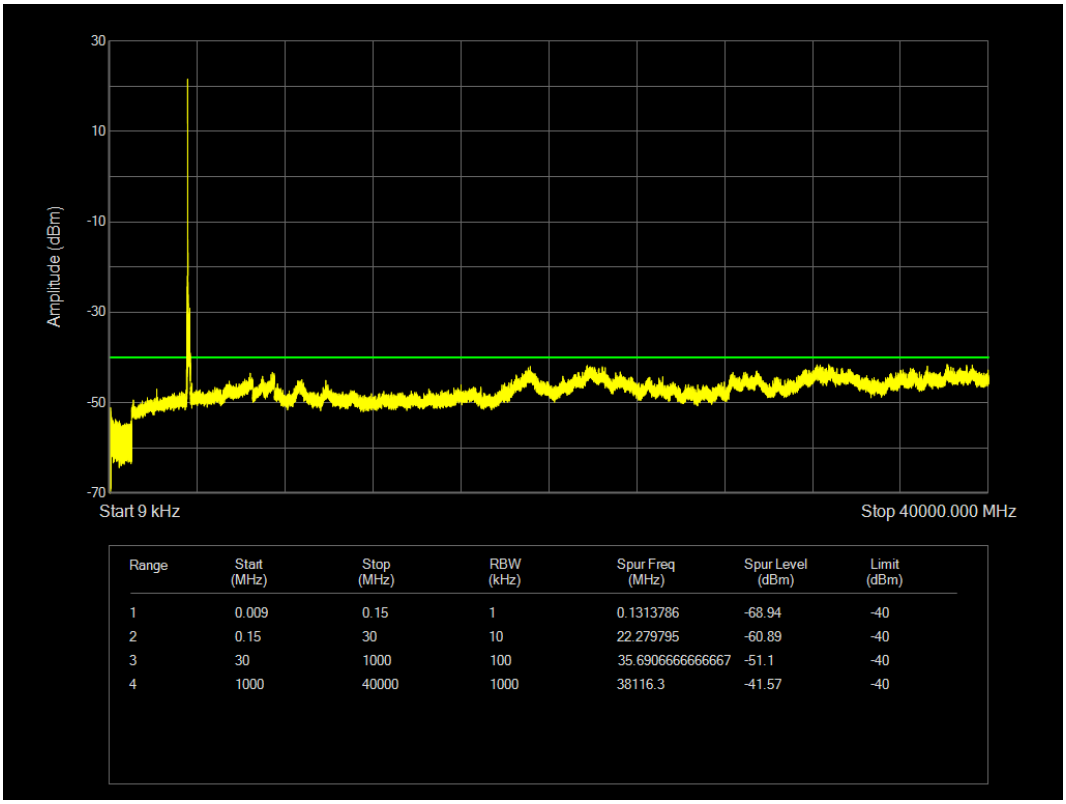
12:09:39 01.09.2024

CA_48C 256QAM\20MHz+5MHz Low



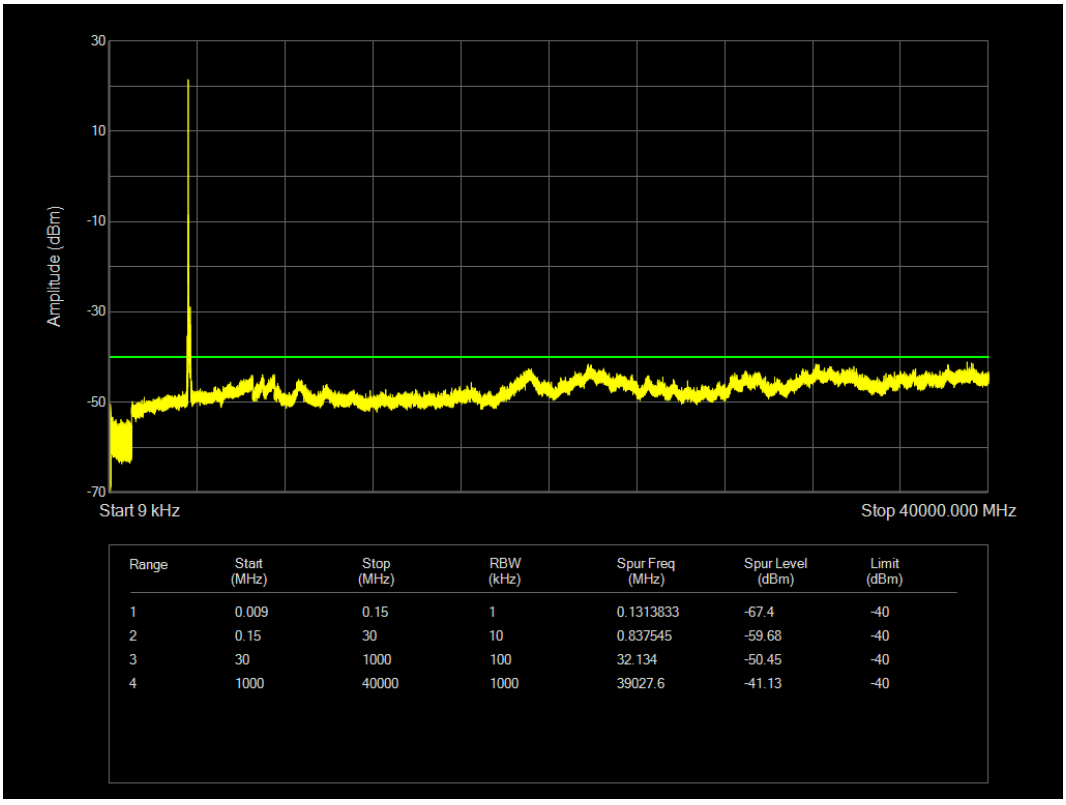
12:11:17 01.09.2024

CA_48C 256QAM\20MHz+5MHz Middle



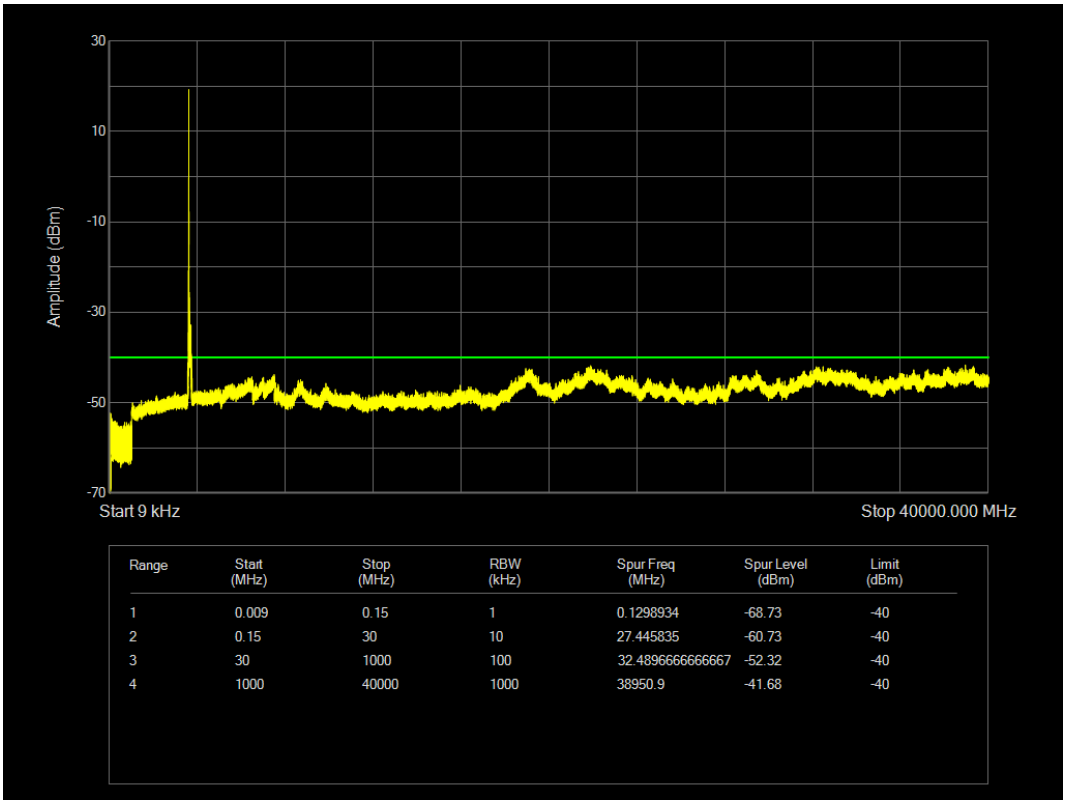
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1313786	-68.94	-40
2	0.15	30	10	22.279795	-60.89	-40
3	30	1000	100	35.6906666666667	-51.1	-40
4	1000	40000	1000	38116.3	-41.57	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=100MHz Channel=640000 RB=1@0



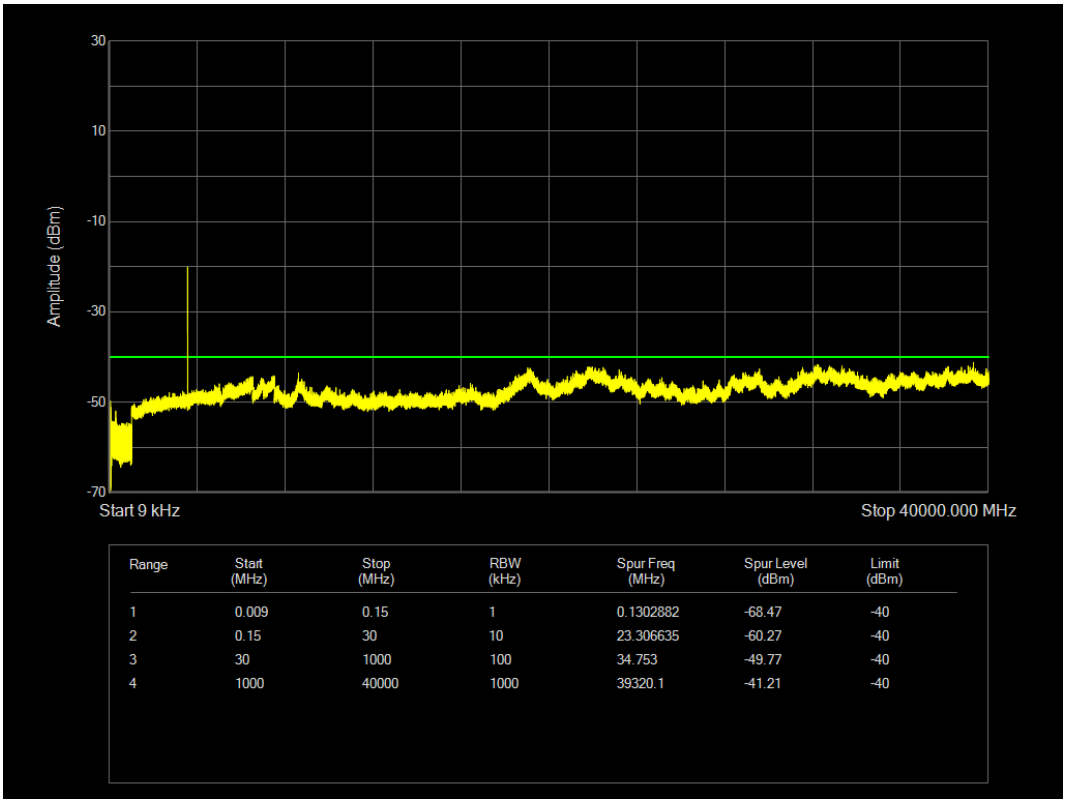
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1313833	-67.4	-40
2	0.15	30	10	0.837545	-59.68	-40
3	30	1000	100	32.134	-50.45	-40
4	1000	40000	1000	39027.6	-41.13	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=100MHz Channel=641666 RB=1@0



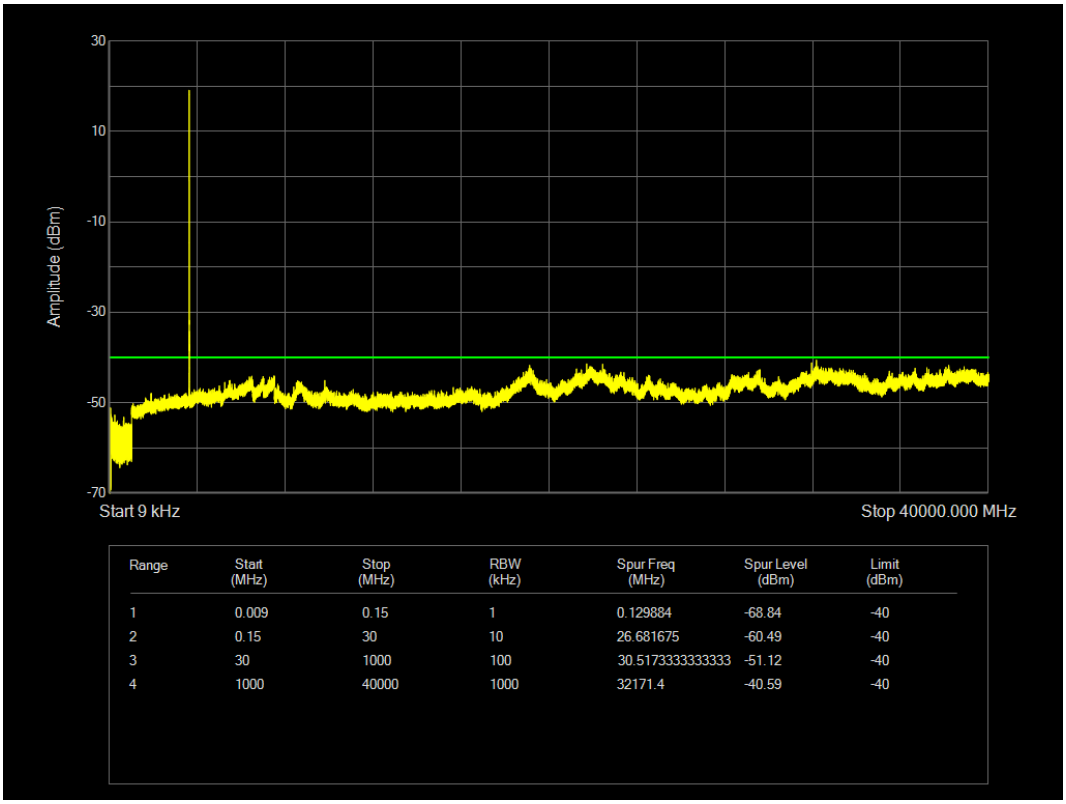
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1298934	-68.73	-40
2	0.15	30	10	27.445835	-60.73	-40
3	30	1000	100	32.4896666666667	-52.32	-40
4	1000	40000	1000	38950.9	-41.68	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=100MHz Channel=643332 RB=1@0



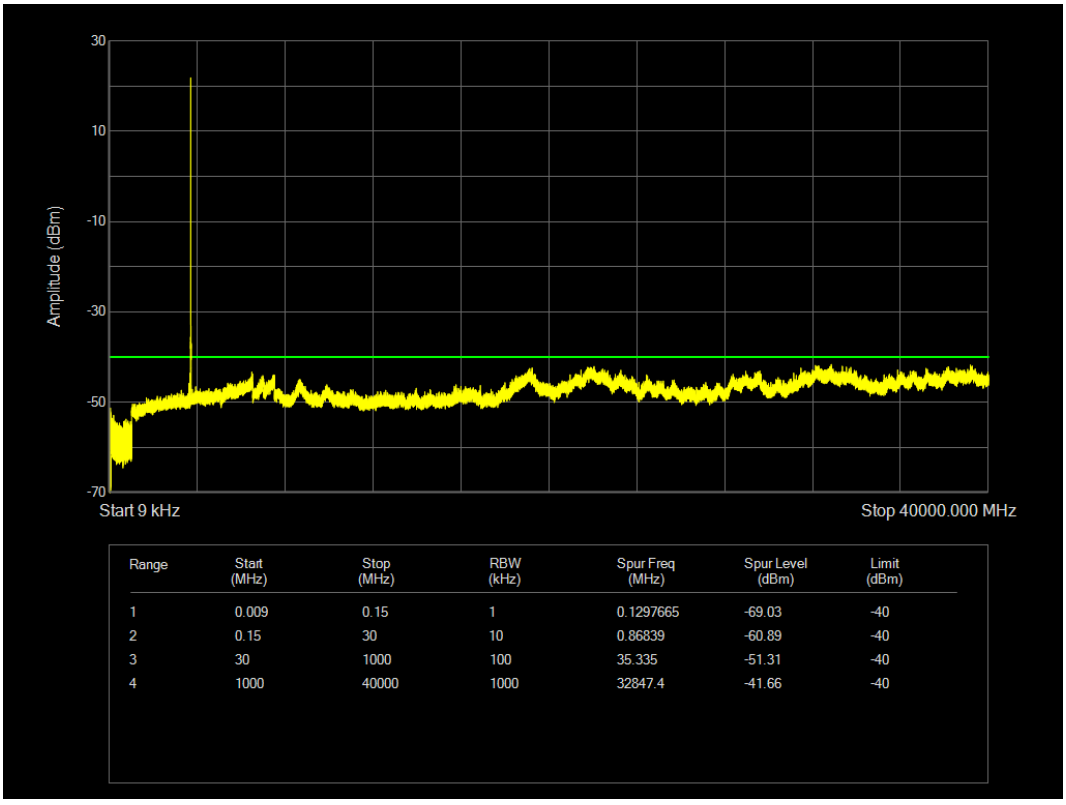
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1302882	-68.47	-40
2	0.15	30	10	23.306635	-60.27	-40
3	30	1000	100	34.753	-49.77	-40
4	1000	40000	1000	39320.1	-41.21	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=10MHz Channel=637000 RB=1@0



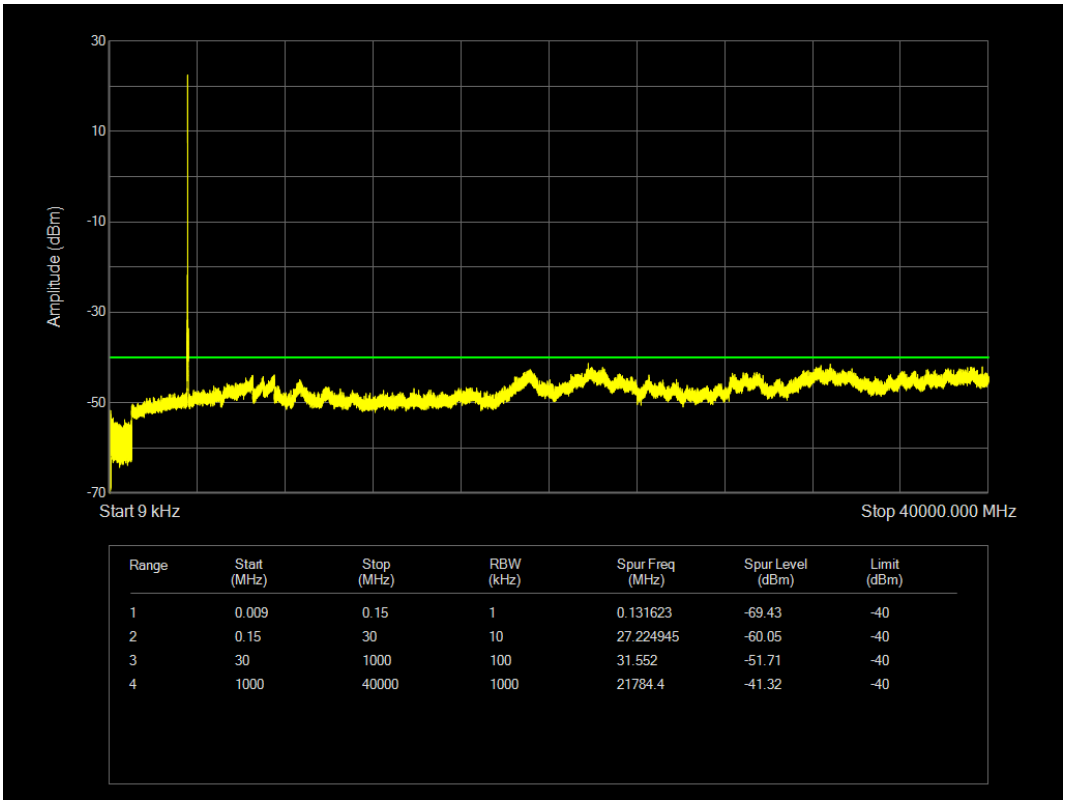
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.129884	-68.84	-40
2	0.15	30	10	26.681675	-60.49	-40
3	30	1000	100	30.5173333333333	-51.12	-40
4	1000	40000	1000	32171.4	-40.59	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=10MHz Channel=641666 RB=1@0



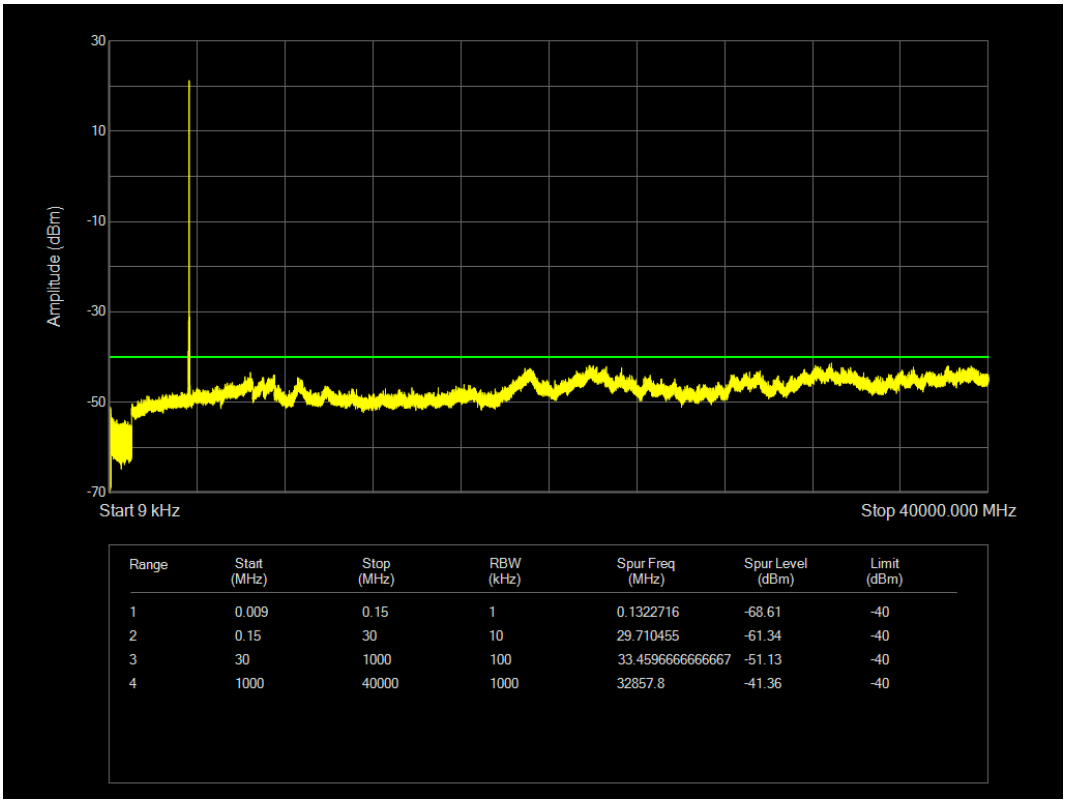
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1297665	-69.03	-40
2	0.15	30	10	0.86839	-60.89	-40
3	30	1000	100	35.335	-51.31	-40
4	1000	40000	1000	32847.4	-41.66	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=10MHz Channel=646332 RB=1@0



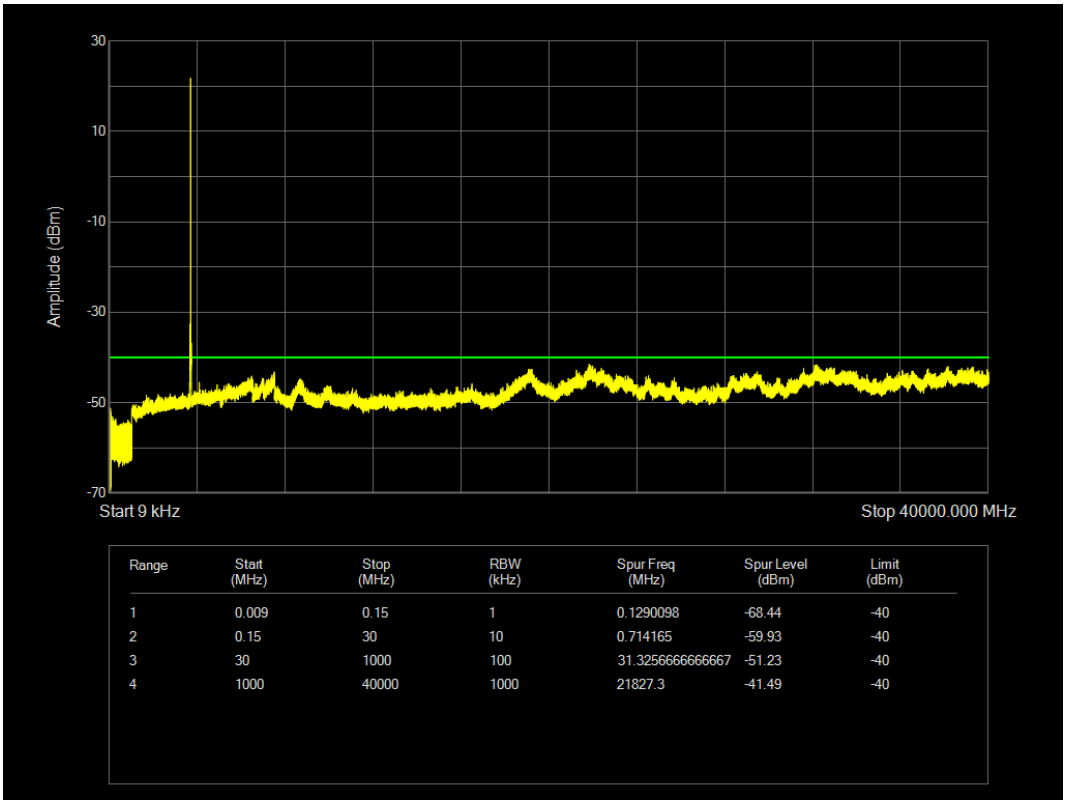
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.131623	-69.43	-40
2	0.15	30	10	27.224945	-60.05	-40
3	30	1000	100	31.552	-51.71	-40
4	1000	40000	1000	21784.4	-41.32	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=15MHz Channel=637168 RB=1@0



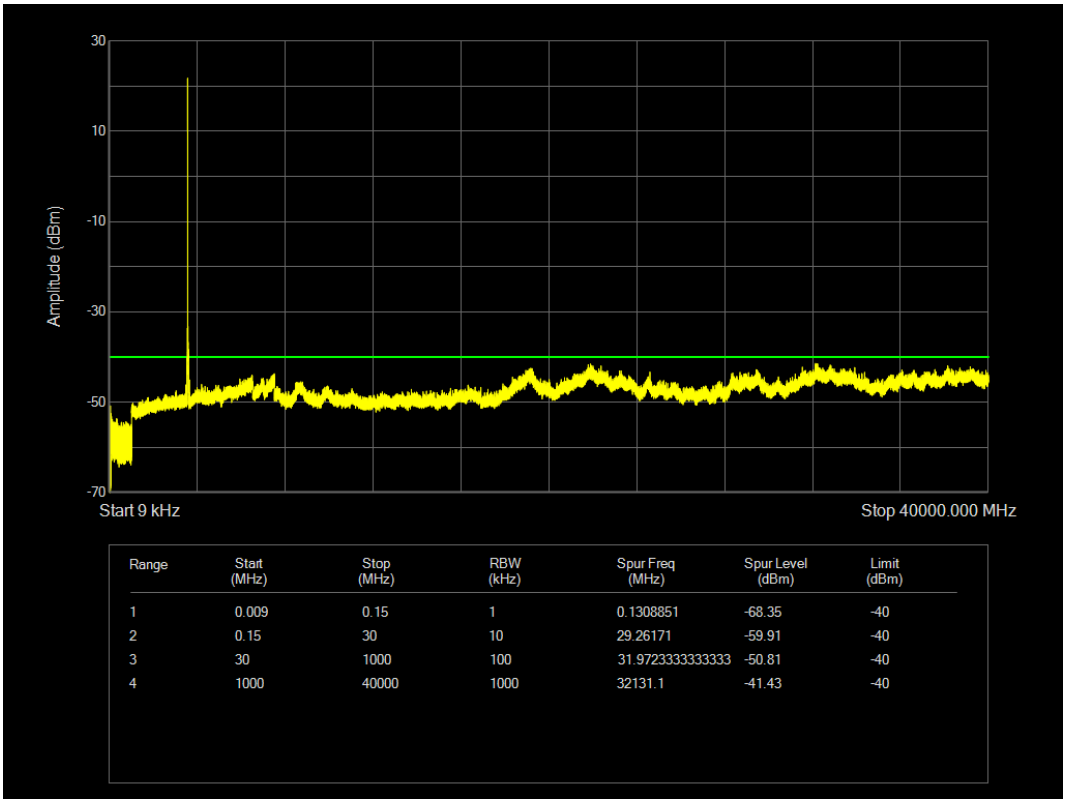
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1322716	-68.61	-40
2	0.15	30	10	29.710455	-61.34	-40
3	30	1000	100	33.4596666666667	-51.13	-40
4	1000	40000	1000	32857.8	-41.36	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=15MHz Channel=641666 RB=1@0



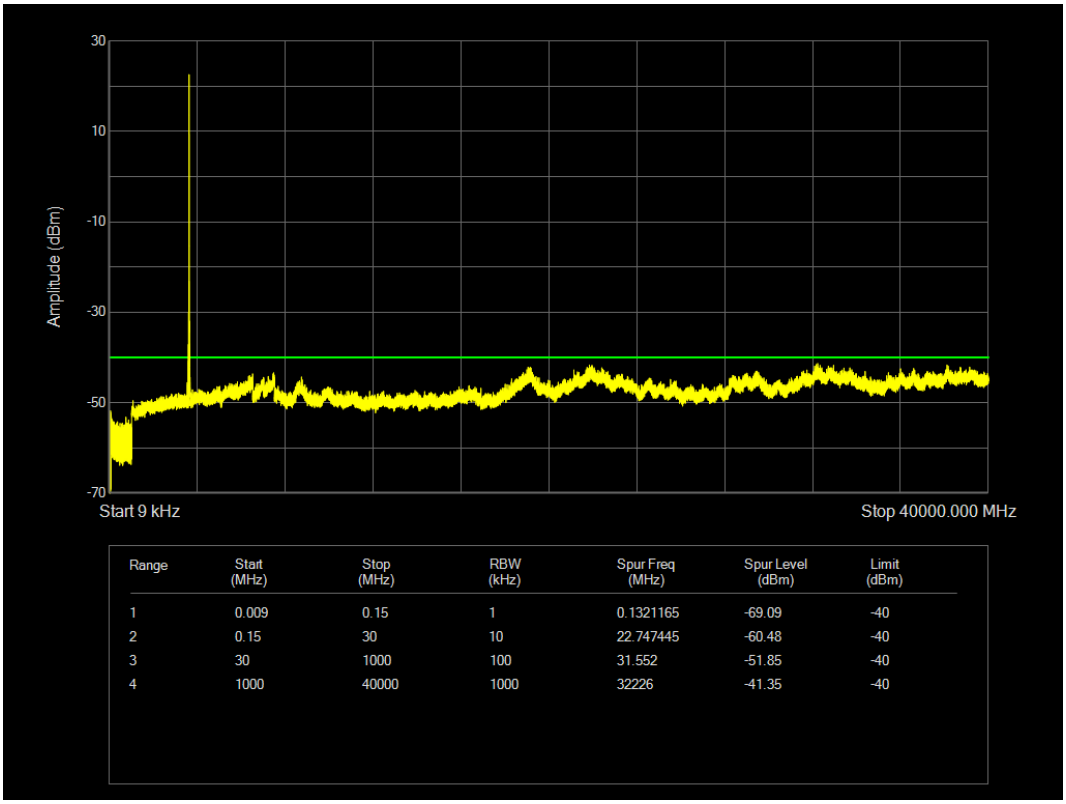
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1290098	-68.44	-40
2	0.15	30	10	0.714165	-59.93	-40
3	30	1000	100	31.3256666666667	-51.23	-40
4	1000	40000	1000	21827.3	-41.49	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=15MHz Channel=646166 RB=1@0



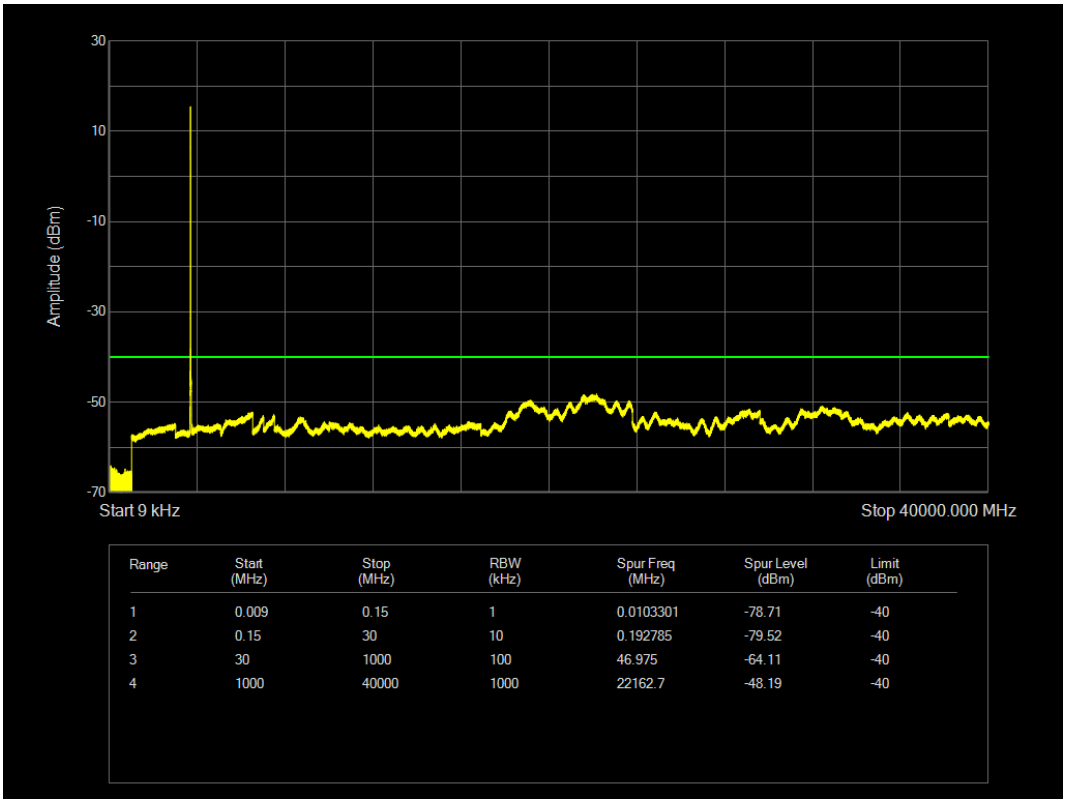
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1308851	-68.35	-40
2	0.15	30	10	29.26171	-59.91	-40
3	30	1000	100	31.9723333333333	-50.81	-40
4	1000	40000	1000	32131.1	-41.43	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=20MHz Channel=637334 RB=1@0



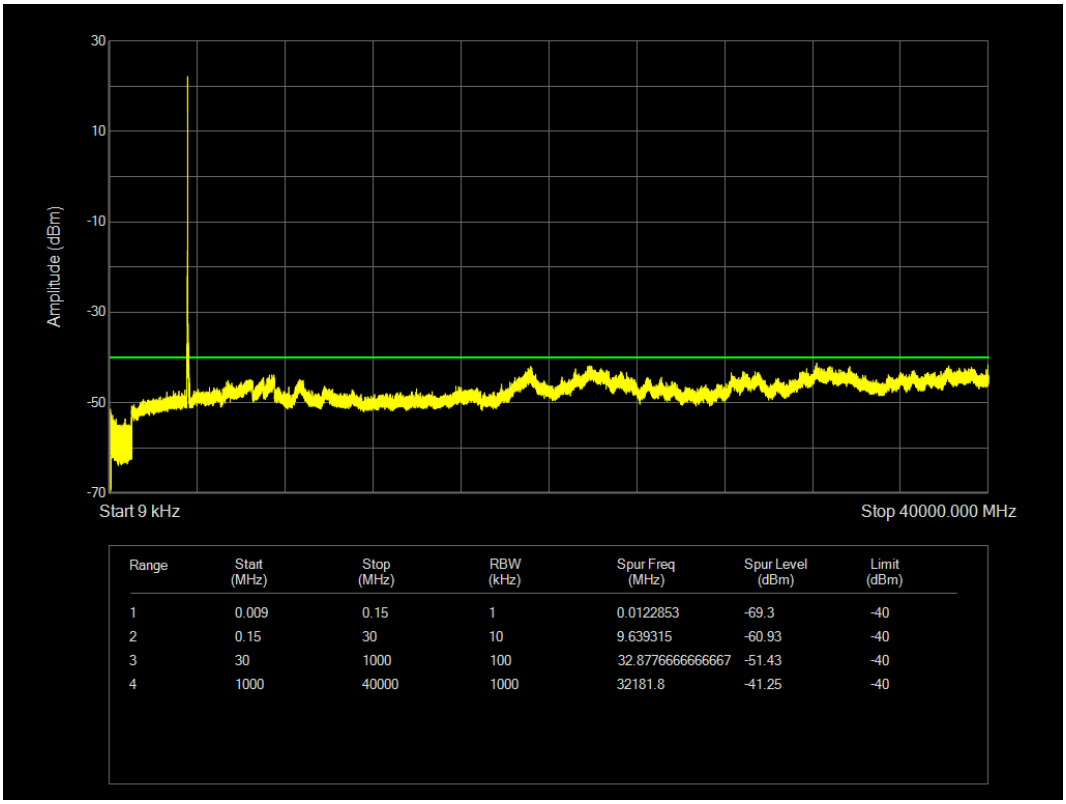
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1321165	-69.09	-40
2	0.15	30	10	22.747445	-60.48	-40
3	30	1000	100	31.552	-51.85	-40
4	1000	40000	1000	32226	-41.35	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=20MHz Channel=641666 RB=1@0



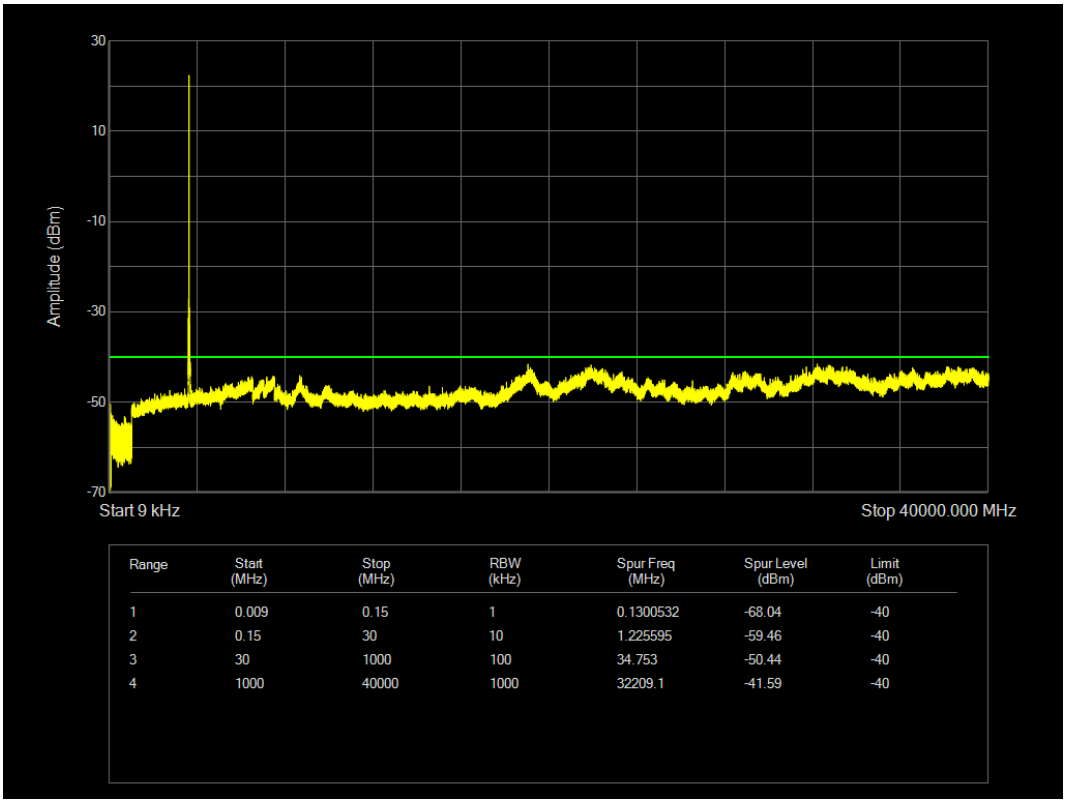
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0103301	-78.71	-40
2	0.15	30	10	0.192785	-79.52	-40
3	30	1000	100	46.975	-64.11	-40
4	1000	40000	1000	22162.7	-48.19	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=20MHz Channel=646000 RB=1@0



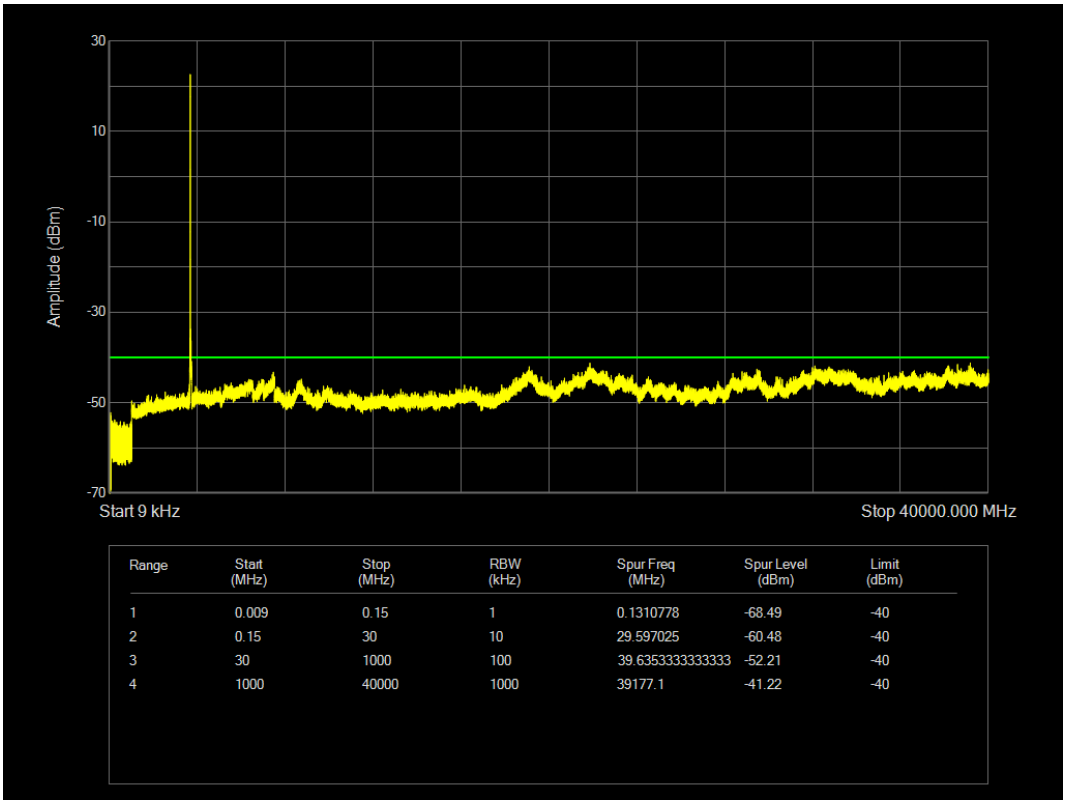
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0122853	-69.3	-40
2	0.15	30	10	9.639315	-60.93	-40
3	30	1000	100	32.8776666666667	-51.43	-40
4	1000	40000	1000	32181.8	-41.25	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=30MHz Channel=637668 RB=1@0



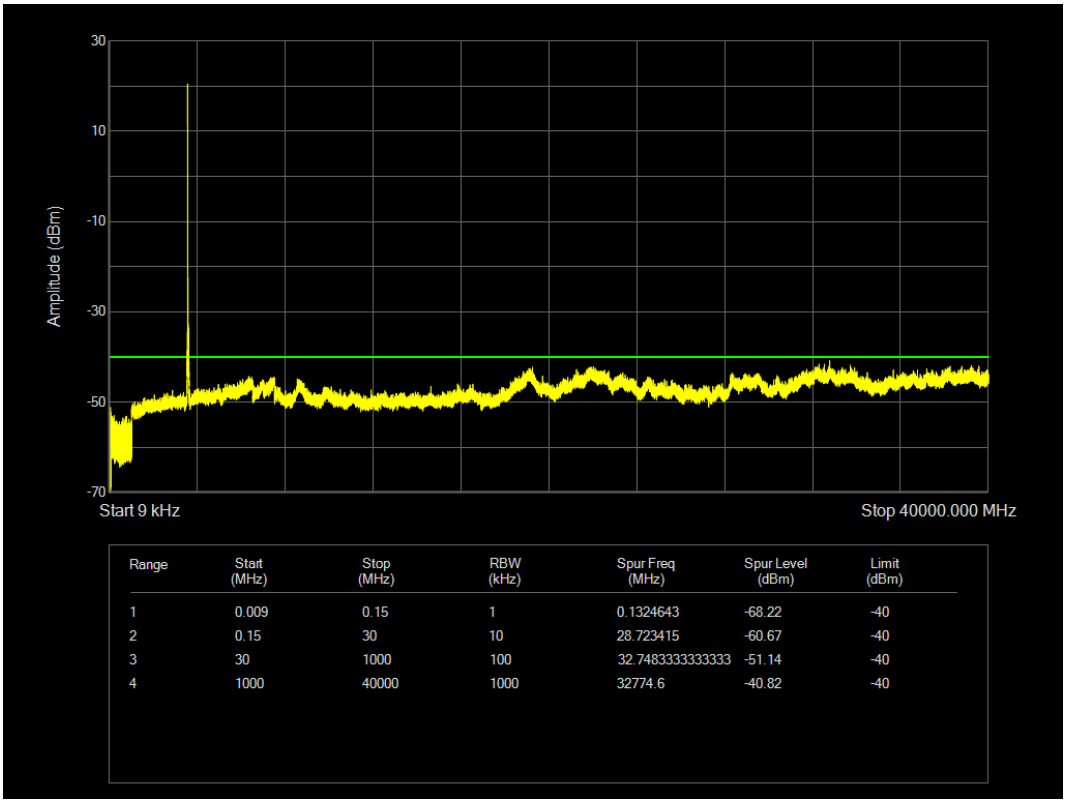
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1300532	-68.04	-40
2	0.15	30	10	1.225595	-59.46	-40
3	30	1000	100	34.753	-50.44	-40
4	1000	40000	1000	32209.1	-41.59	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=30MHz Channel=641666 RB=1@0



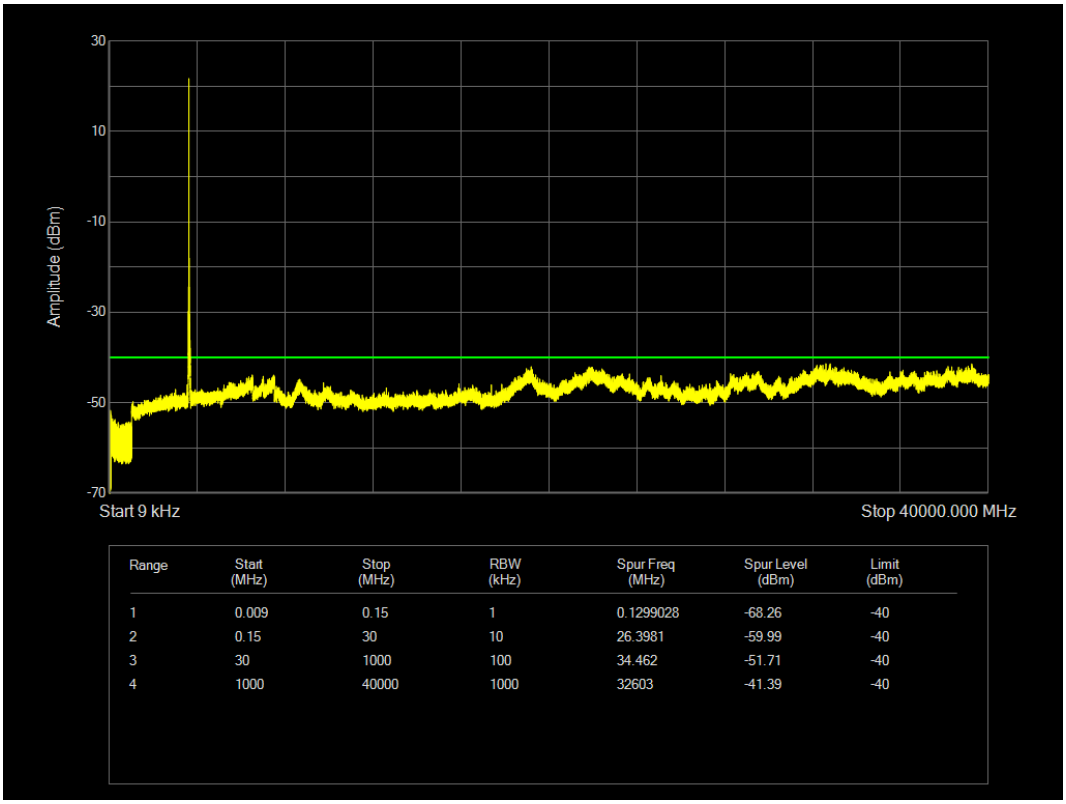
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1310778	-68.49	-40
2	0.15	30	10	29.597025	-60.48	-40
3	30	1000	100	39.6353333333333	-52.21	-40
4	1000	40000	1000	39177.1	-41.22	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=30MHz Channel=645666 RB=1@0



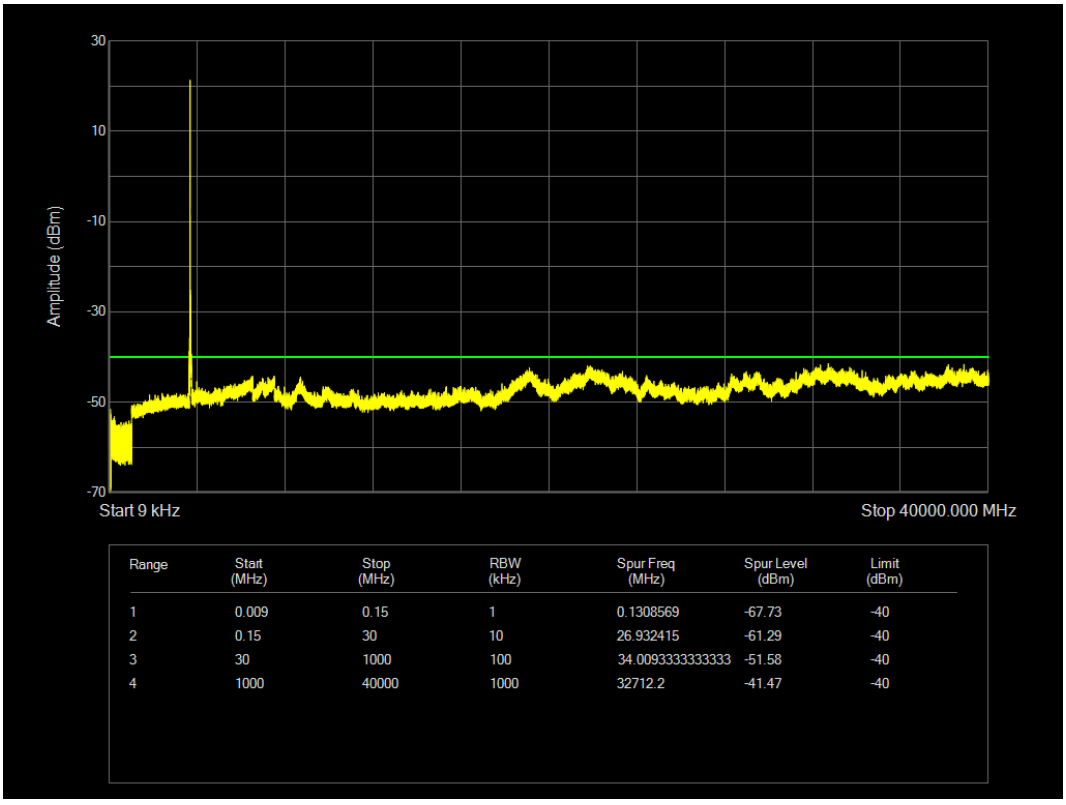
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1324643	-68.22	-40
2	0.15	30	10	28.723415	-60.67	-40
3	30	1000	100	32.7483333333333	-51.14	-40
4	1000	40000	1000	32774.6	-40.82	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=40MHz Channel=638000 RB=1@0



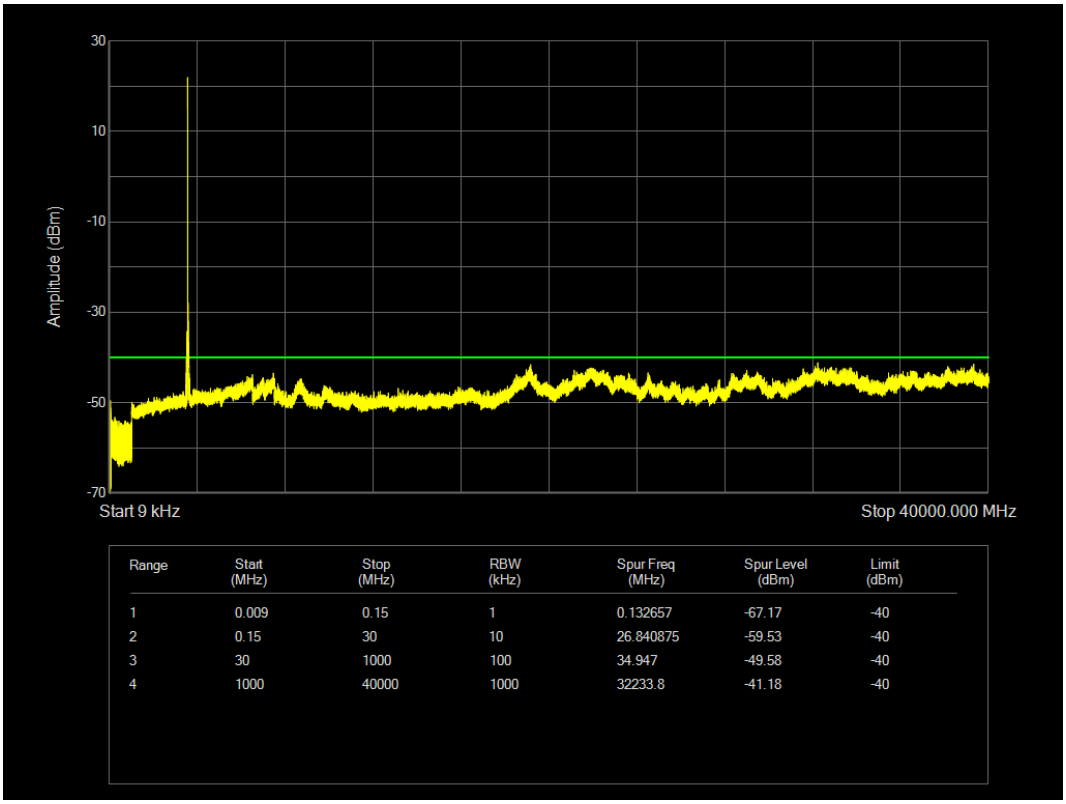
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1299028	-68.26	-40
2	0.15	30	10	26.3981	-59.99	-40
3	30	1000	100	34.462	-51.71	-40
4	1000	40000	1000	32603	-41.39	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=40MHz Channel=641666 RB=1@0



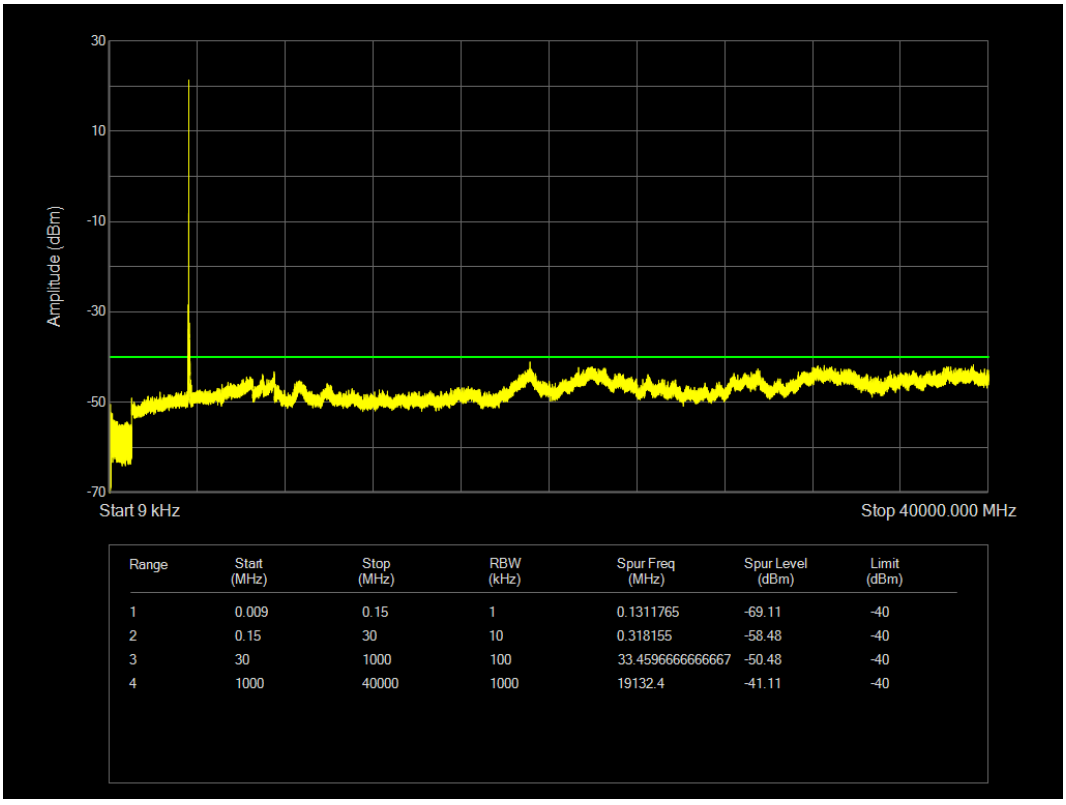
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1308569	-67.73	-40
2	0.15	30	10	26.932415	-61.29	-40
3	30	1000	100	34.0093333333333	-51.58	-40
4	1000	40000	1000	32712.2	-41.47	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=40MHz Channel=645332 RB=1@0



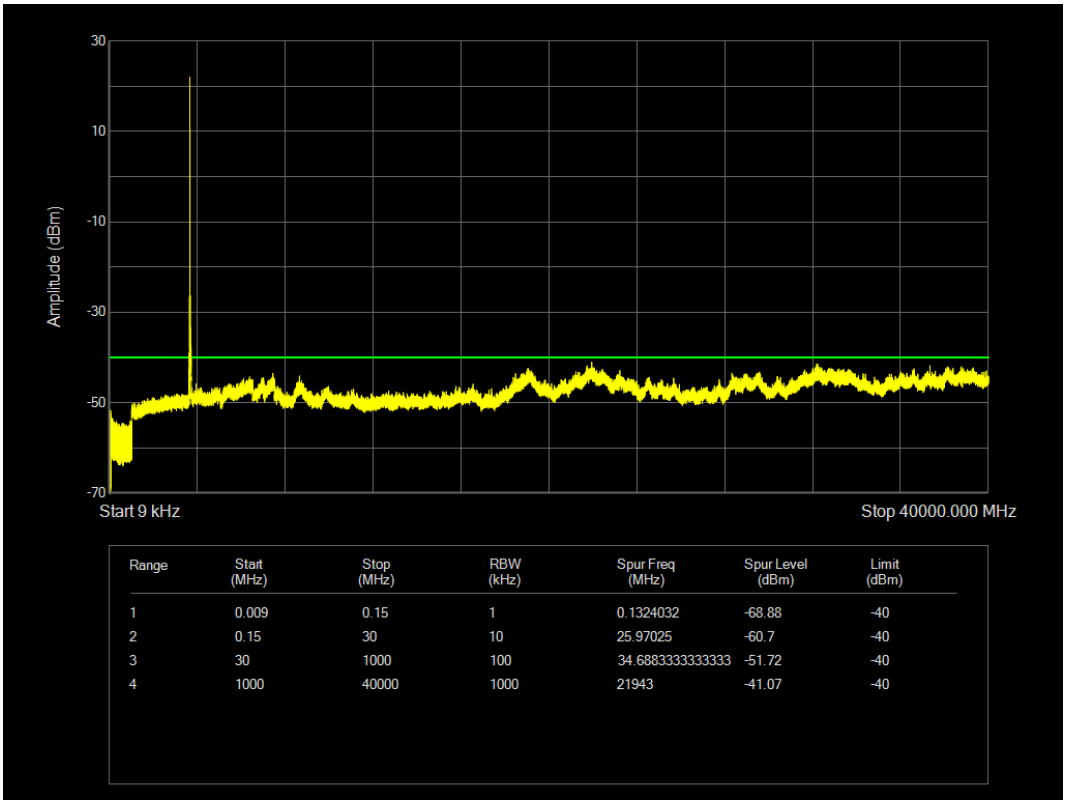
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.132657	-67.17	-40
2	0.15	30	10	26.840875	-59.53	-40
3	30	1000	100	34.947	-49.58	-40
4	1000	40000	1000	32233.8	-41.18	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=50MHz Channel=638334 RB=1@0



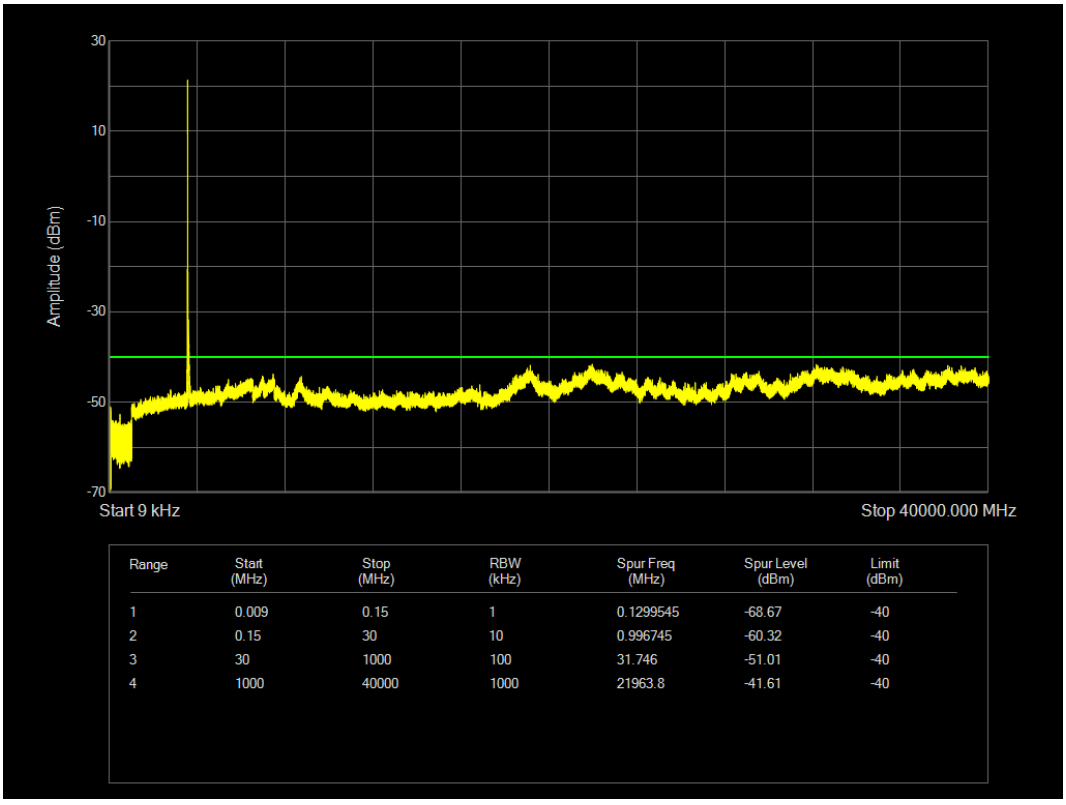
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1311765	-69.11	-40
2	0.15	30	10	0.318155	-58.48	-40
3	30	1000	100	33.4596666666667	-50.48	-40
4	1000	40000	1000	19132.4	-41.11	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=50MHz Channel=641666 RB=1@0



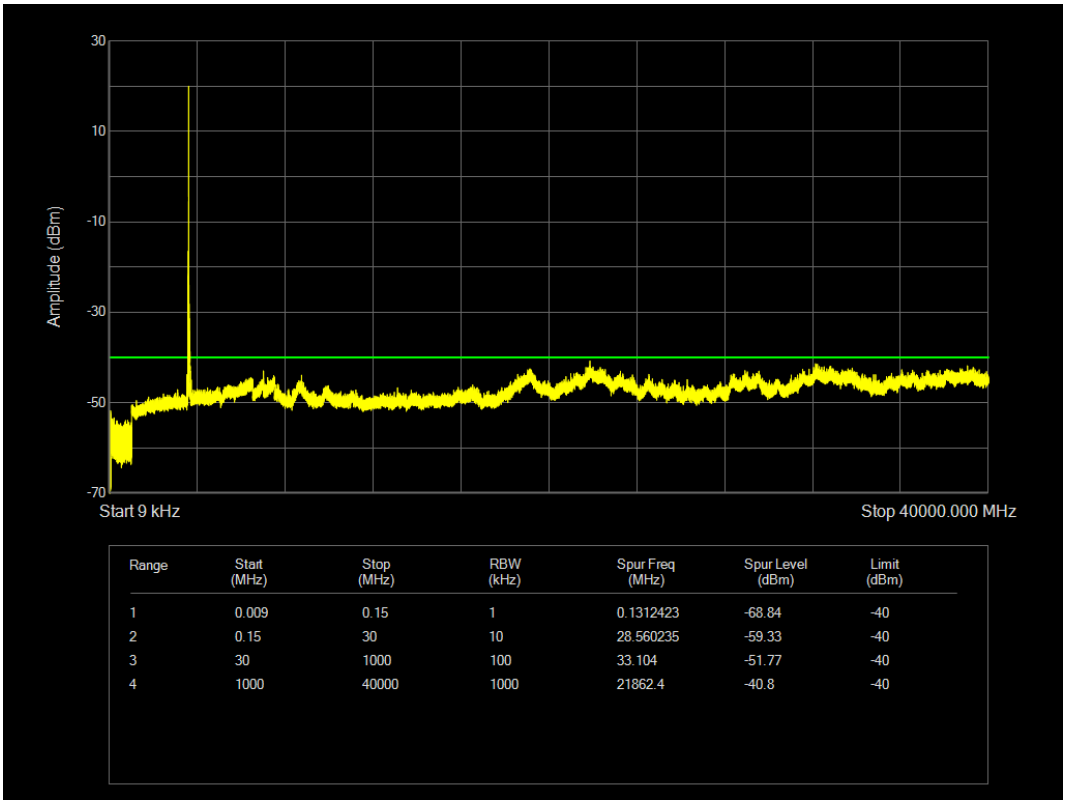
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1324032	-68.88	-40
2	0.15	30	10	25.97025	-60.7	-40
3	30	1000	100	34.6883333333333	-51.72	-40
4	1000	40000	1000	21943	-41.07	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=50MHz Channel=645000 RB=1@0



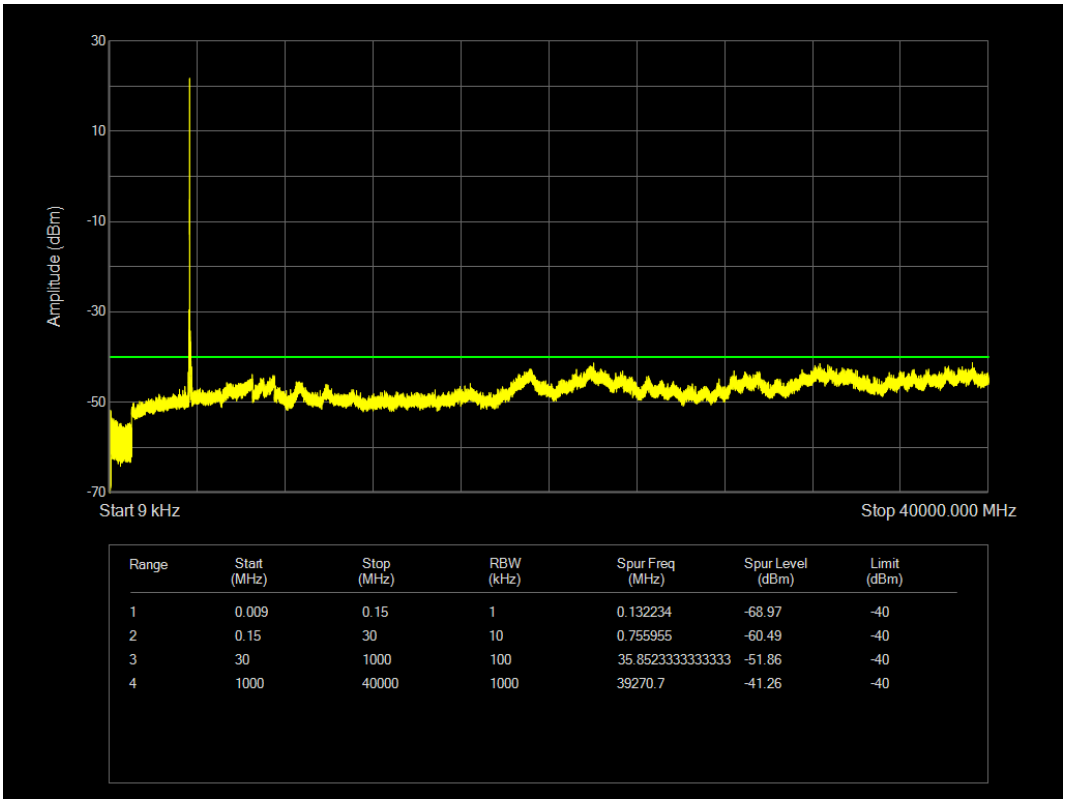
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1299545	-68.67	-40
2	0.15	30	10	0.996745	-60.32	-40
3	30	1000	100	31.746	-51.01	-40
4	1000	40000	1000	21963.8	-41.61	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=60MHz Channel=638668 RB=1@0



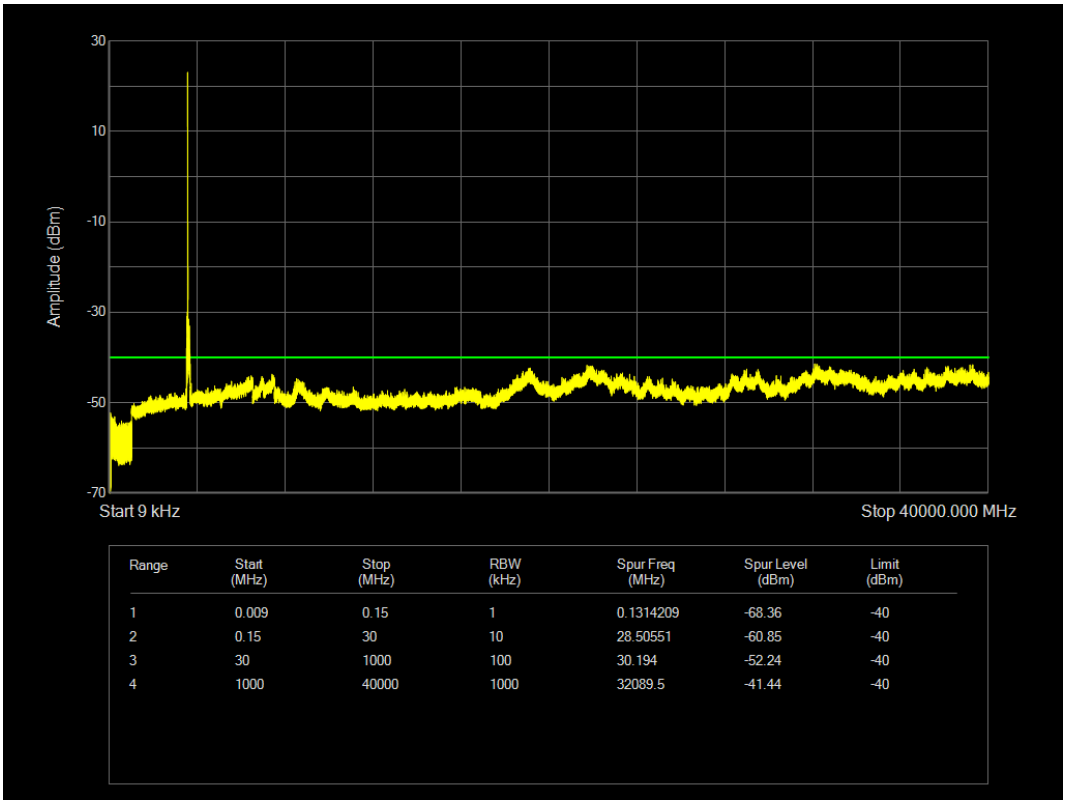
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1312423	-68.84	-40
2	0.15	30	10	28.560235	-59.33	-40
3	30	1000	100	33.104	-51.77	-40
4	1000	40000	1000	21862.4	-40.8	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=60MHz Channel=641666 RB=1@0



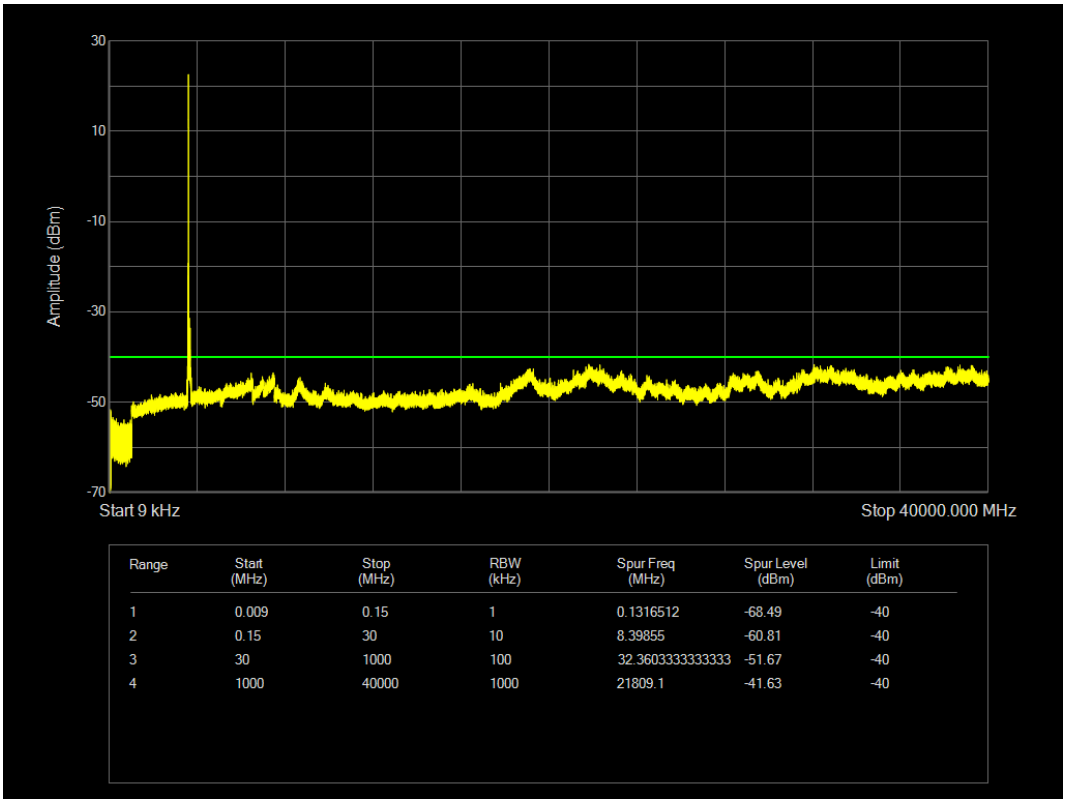
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.132234	-68.97	-40
2	0.15	30	10	0.755955	-60.49	-40
3	30	1000	100	35.8523333333333	-51.86	-40
4	1000	40000	1000	39270.7	-41.26	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=60MHz Channel=644666 RB=1@0



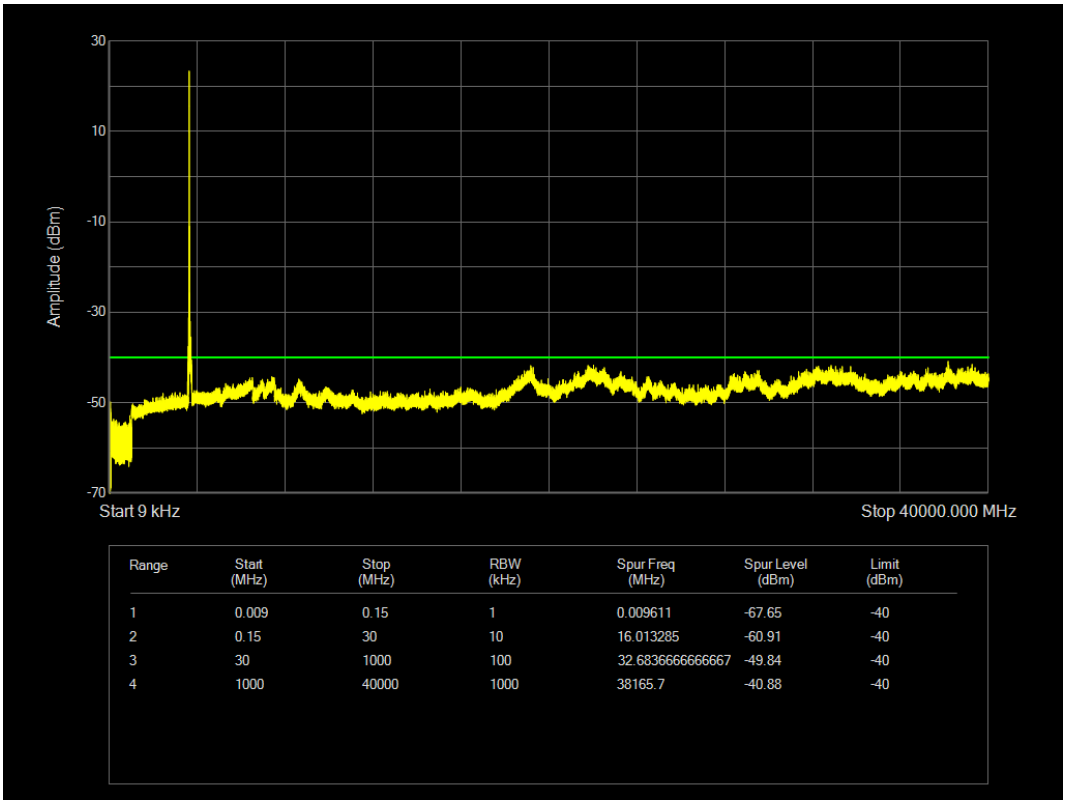
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1314209	-68.36	-40
2	0.15	30	10	28.50551	-60.85	-40
3	30	1000	100	30.194	-52.24	-40
4	1000	40000	1000	32089.5	-41.44	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=80MHz Channel=639334 RB=1@0



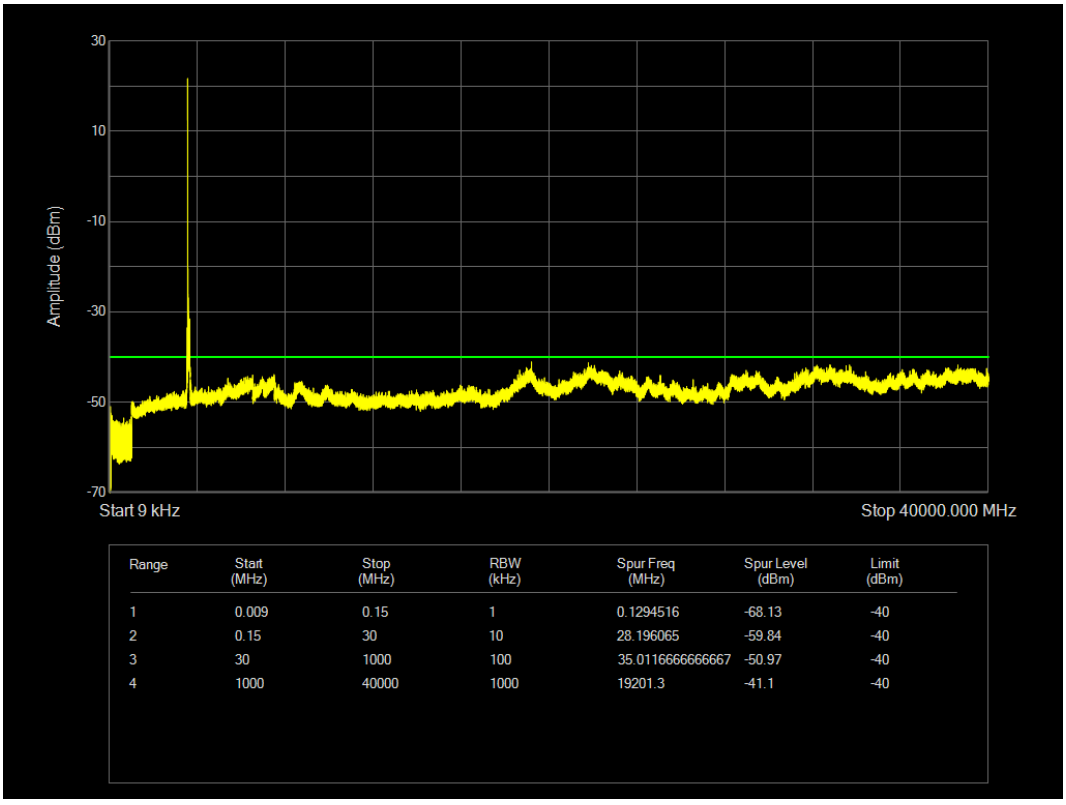
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1316512	-68.49	-40
2	0.15	30	10	8.39855	-60.81	-40
3	30	1000	100	32.3603333333333	-51.67	-40
4	1000	40000	1000	21809.1	-41.63	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=80MHz Channel=641666 RB=1@0



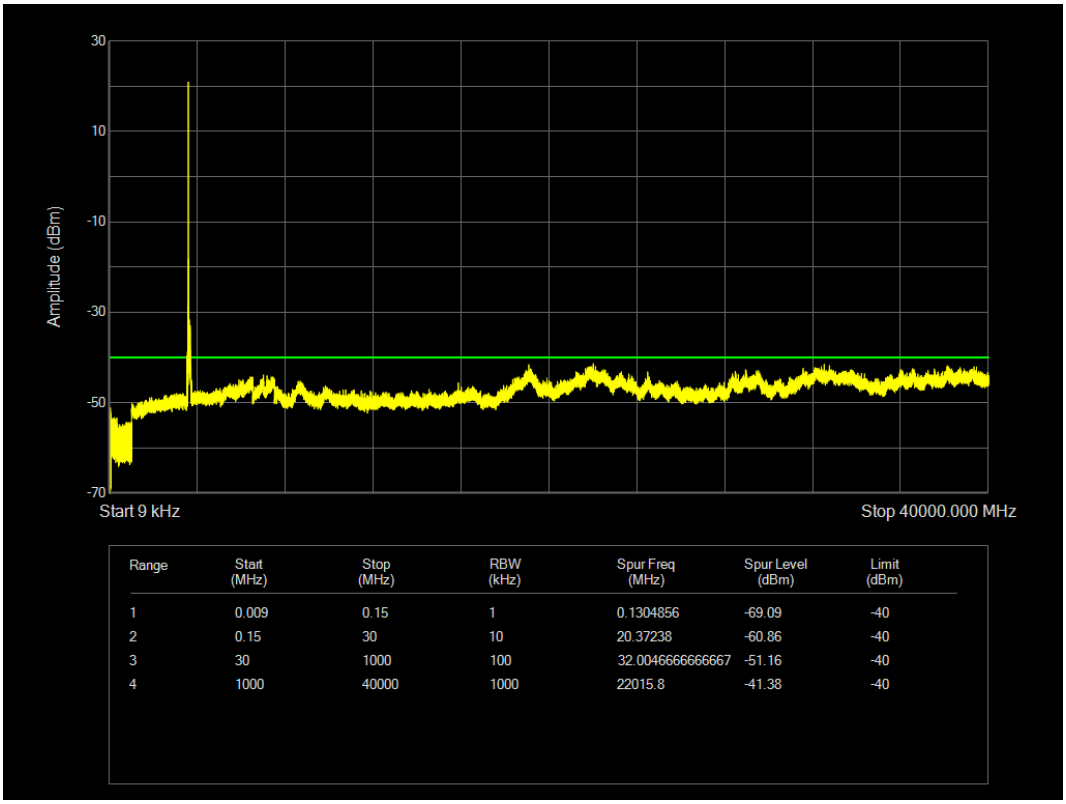
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009611	-67.65	-40
2	0.15	30	10	16.013285	-60.91	-40
3	30	1000	100	32.6836666666667	-49.84	-40
4	1000	40000	1000	38165.7	-40.88	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=80MHz Channel=644000 RB=1@0



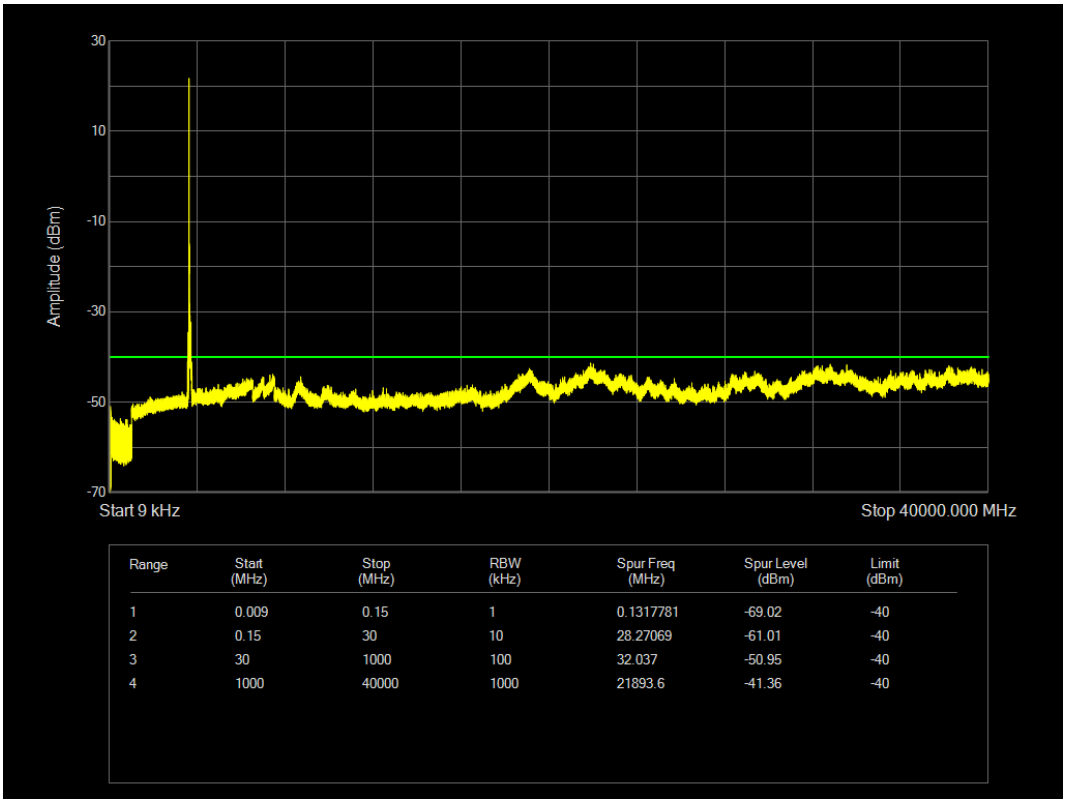
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1294516	-68.13	-40
2	0.15	30	10	28.196065	-59.84	-40
3	30	1000	100	35.0116666666667	-50.97	-40
4	1000	40000	1000	19201.3	-41.1	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=90MHz Channel=639668 RB=1@0



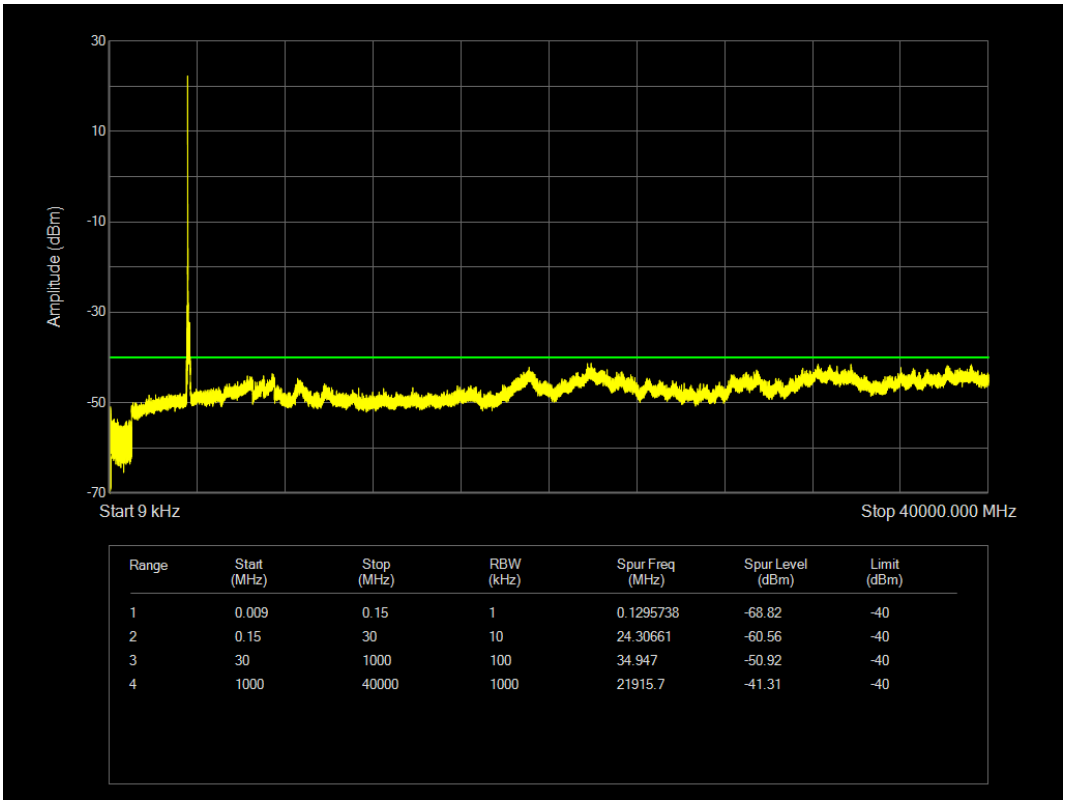
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1304856	-69.09	-40
2	0.15	30	10	20.37238	-60.86	-40
3	30	1000	100	32.0046666666667	-51.16	-40
4	1000	40000	1000	22015.8	-41.38	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=90MHz Channel=641666 RB=1@0



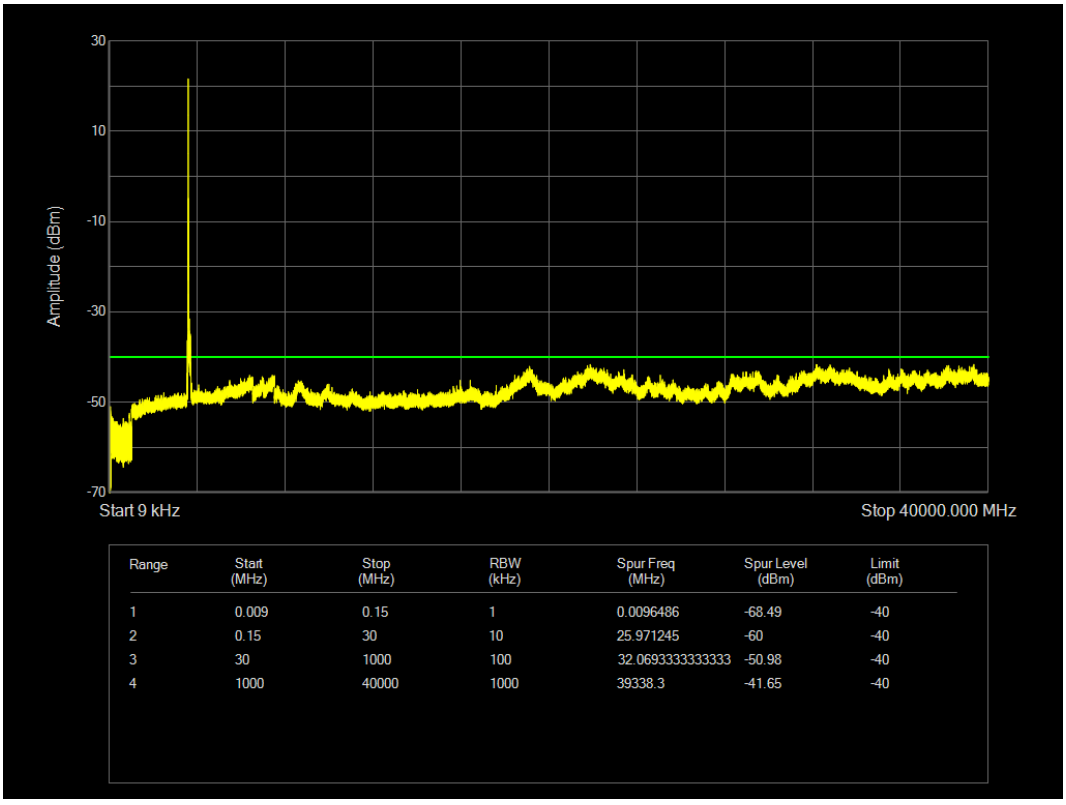
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1317781	-69.02	-40
2	0.15	30	10	28.27069	-61.01	-40
3	30	1000	100	32.037	-50.95	-40
4	1000	40000	1000	21893.6	-41.36	-40

SA\PC3\NR n48 SCS=30kHz DFT_QPSK BW=90MHz Channel=643666 RB=1@0



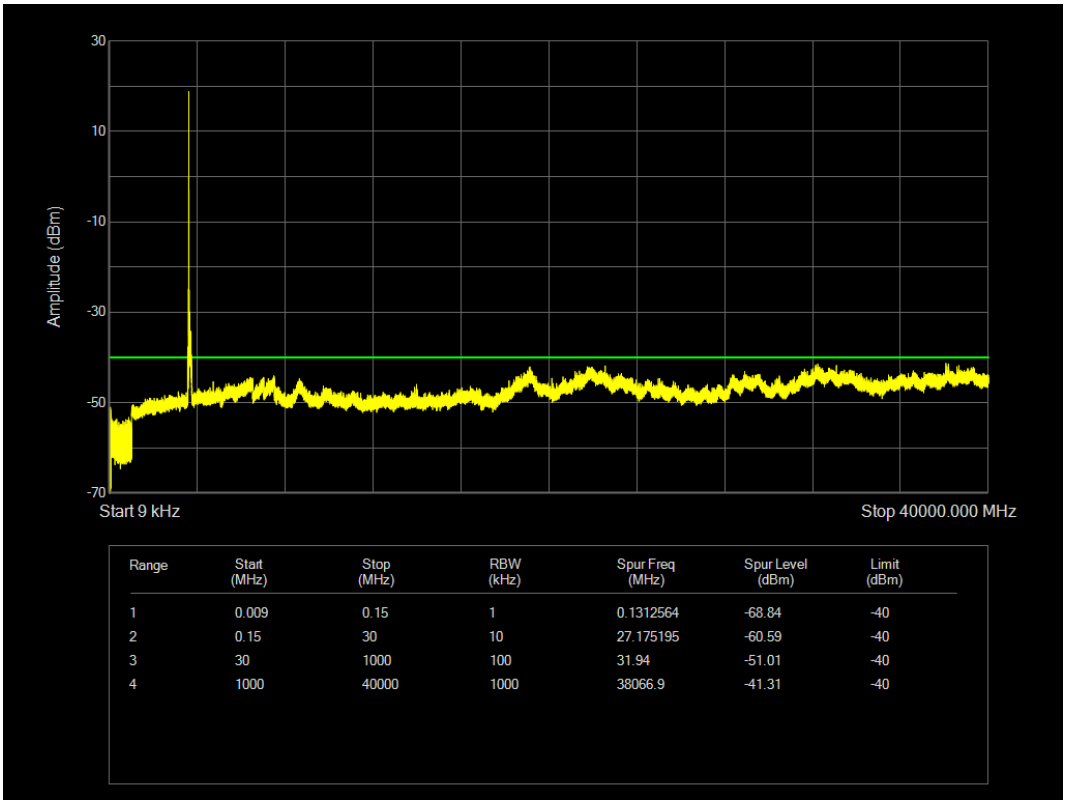
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1295738	-68.82	-40
2	0.15	30	10	24.30661	-60.56	-40
3	30	1000	100	34.947	-50.92	-40
4	1000	40000	1000	21915.7	-41.31	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=100MHz Channel=640000 RB=1@0



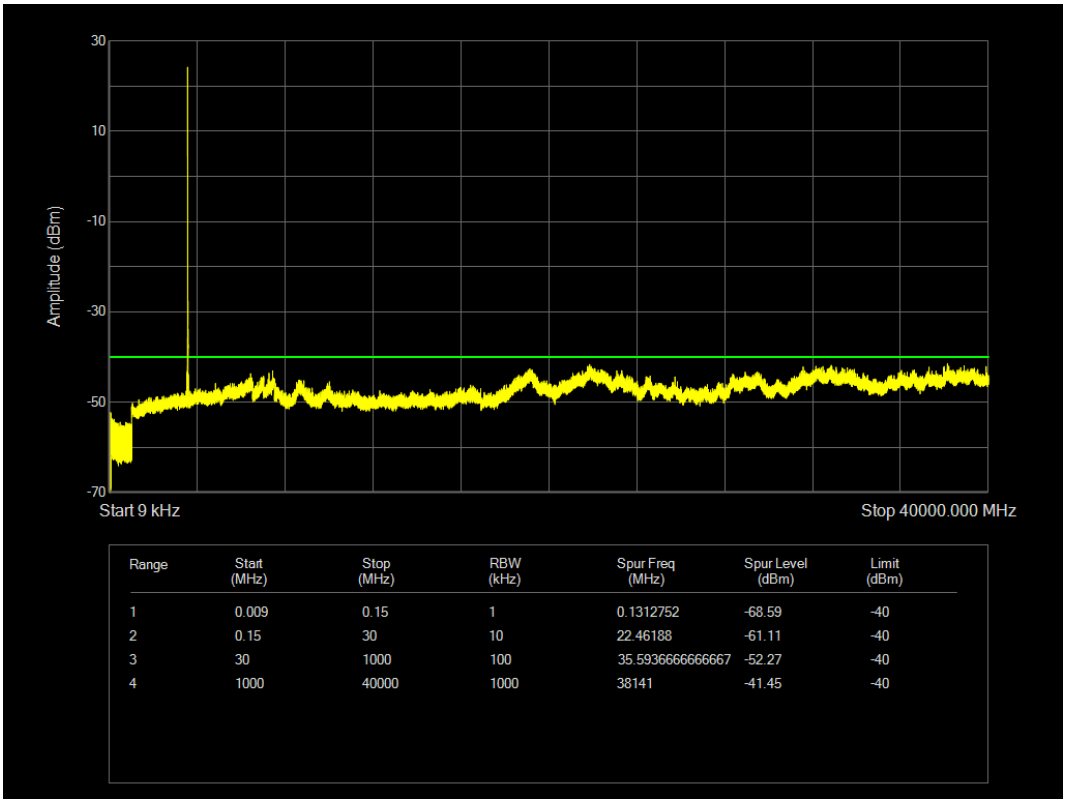
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0096486	-68.49	-40
2	0.15	30	10	25.971245	-60	-40
3	30	1000	100	32.0693333333333	-50.98	-40
4	1000	40000	1000	39338.3	-41.65	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=100MHz Channel=641666 RB=1@0



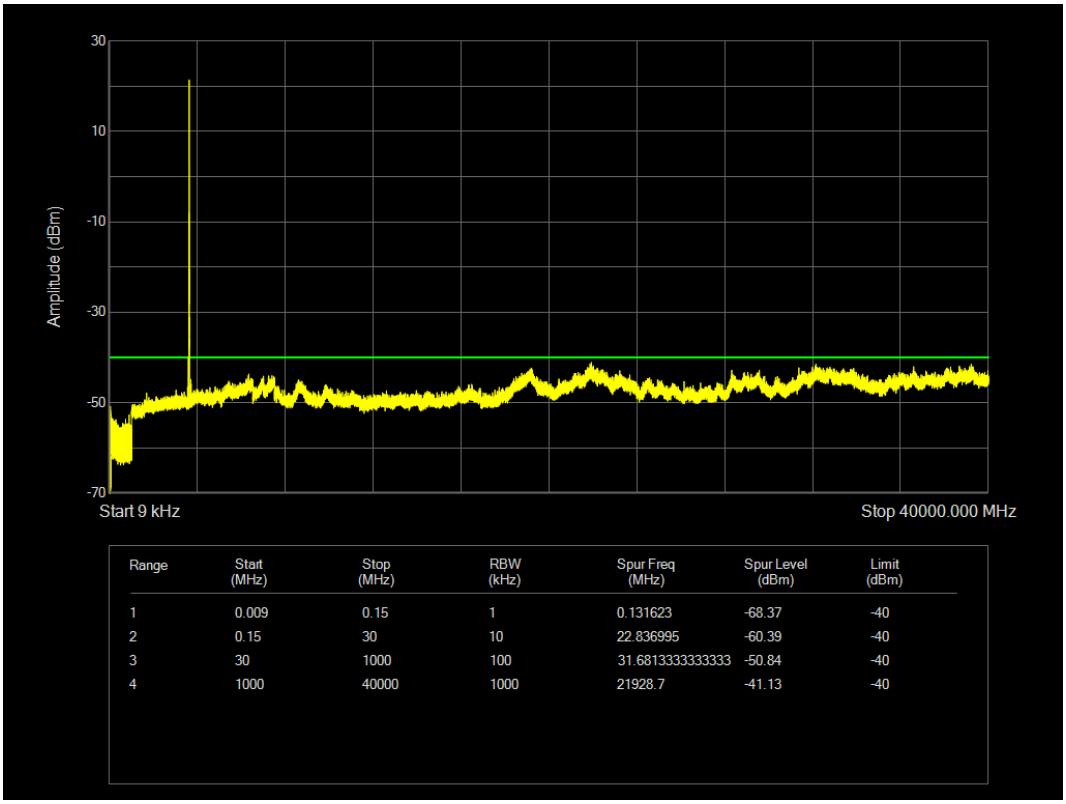
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1312564	-68.84	-40
2	0.15	30	10	27.175195	-60.59	-40
3	30	1000	100	31.94	-51.01	-40
4	1000	40000	1000	38066.9	-41.31	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=100MHz Channel=643332 RB=1@0



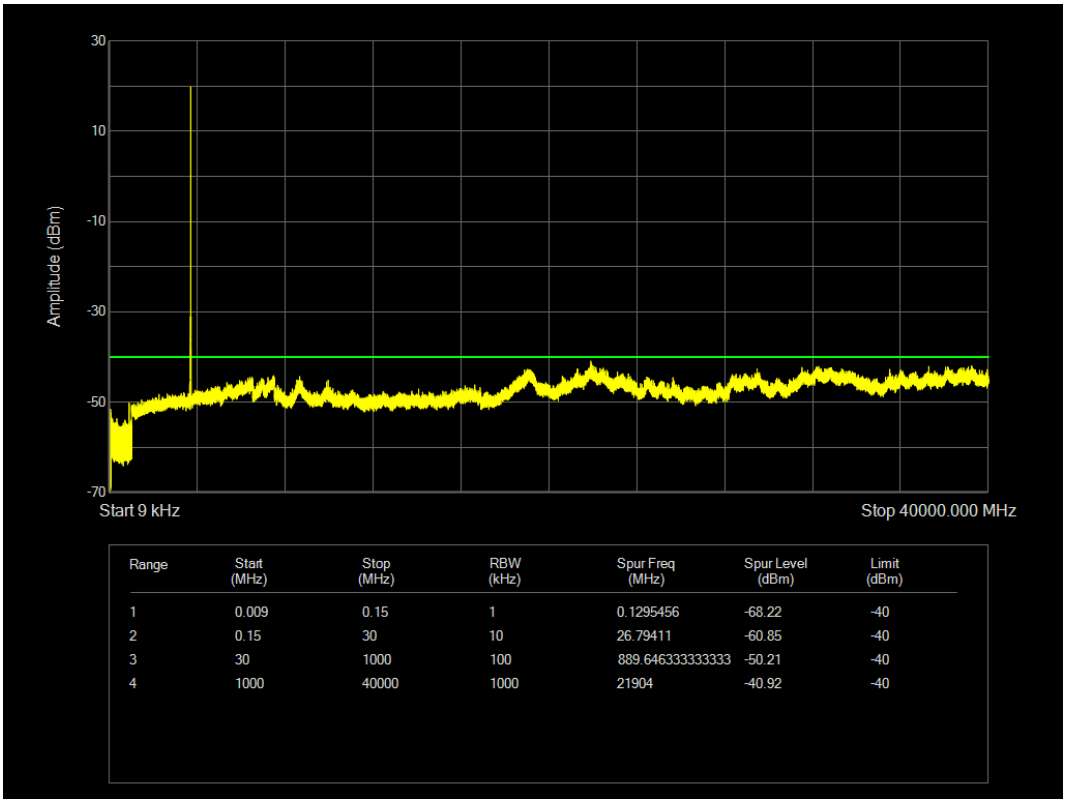
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1312752	-68.59	-40
2	0.15	30	10	22.46188	-61.11	-40
3	30	1000	100	35.5936666666667	-52.27	-40
4	1000	40000	1000	38141	-41.45	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=10MHz Channel=637000 RB=1@0



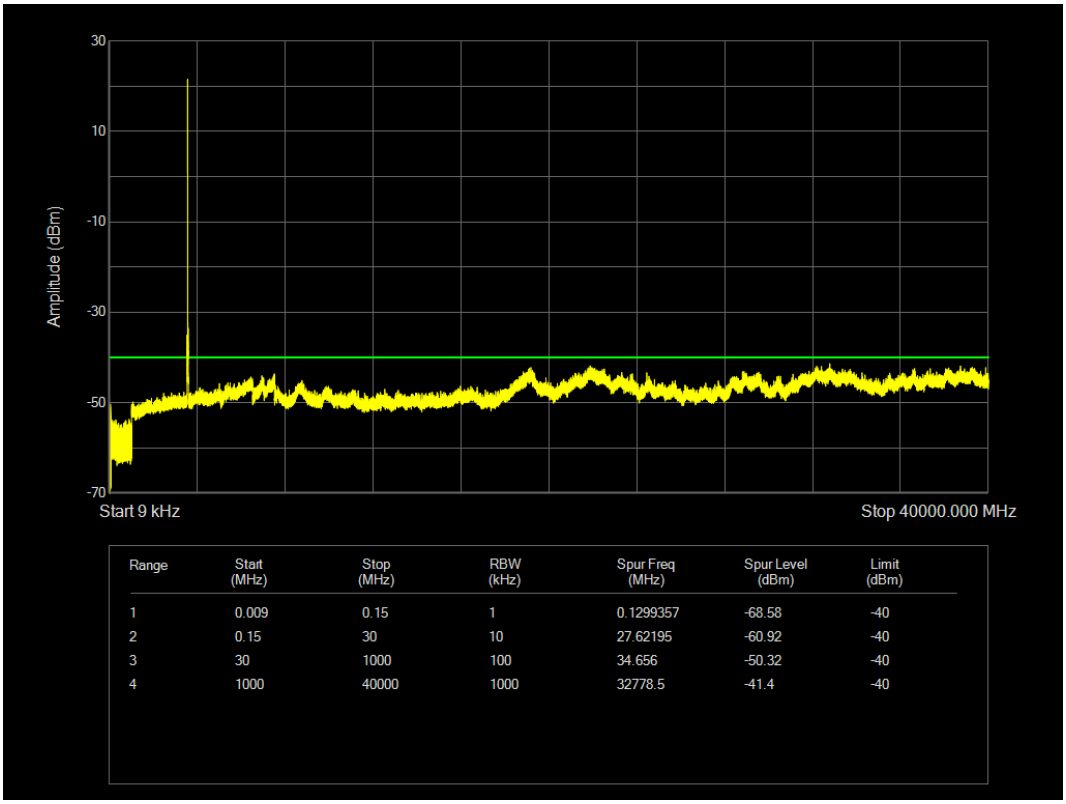
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.131623	-68.37	-40
2	0.15	30	10	22.836995	-60.39	-40
3	30	1000	100	31.6813333333333	-50.84	-40
4	1000	40000	1000	21928.7	-41.13	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=10MHz Channel=641666 RB=1@0



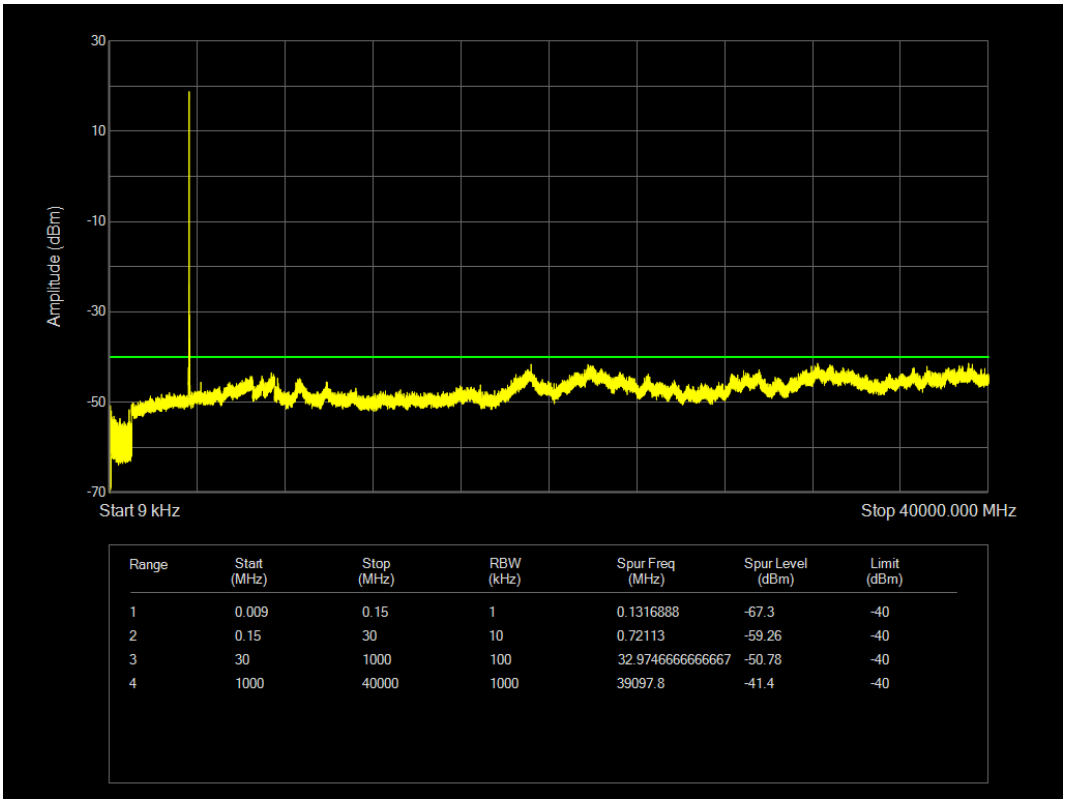
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1295456	-68.22	-40
2	0.15	30	10	26.79411	-60.85	-40
3	30	1000	100	889.646333333333	-50.21	-40
4	1000	40000	1000	21904	-40.92	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=10MHz Channel=646332 RB=1@0



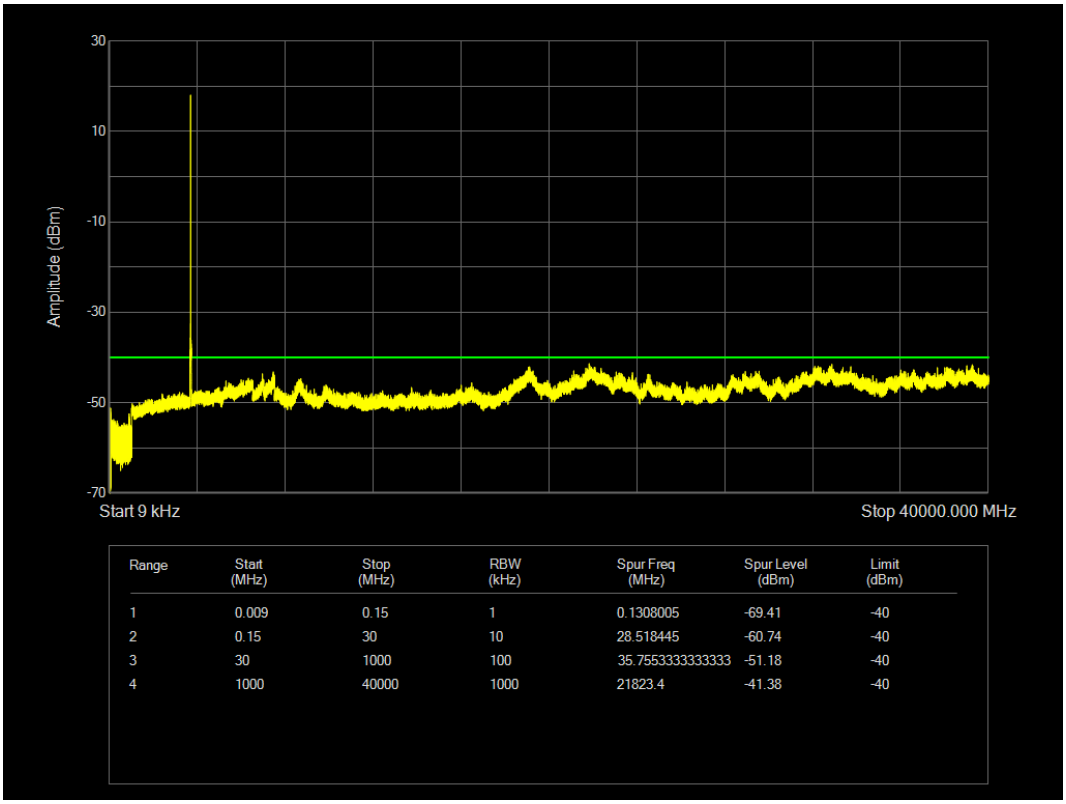
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1299357	-68.58	-40
2	0.15	30	10	27.62195	-60.92	-40
3	30	1000	100	34.656	-50.32	-40
4	1000	40000	1000	32778.5	-41.4	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=15MHz Channel=637168 RB=1@0



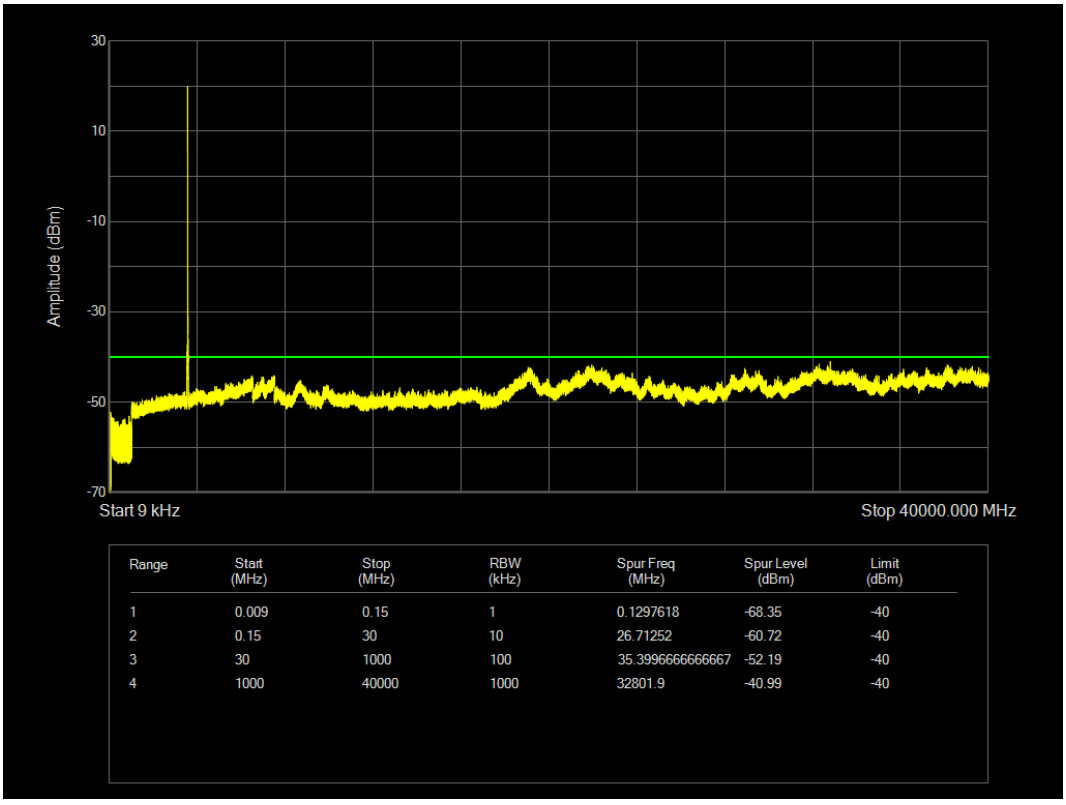
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1316888	-67.3	-40
2	0.15	30	10	0.72113	-59.26	-40
3	30	1000	100	32.9746666666667	-50.78	-40
4	1000	40000	1000	39097.8	-41.4	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=15MHz Channel=641666 RB=1@0



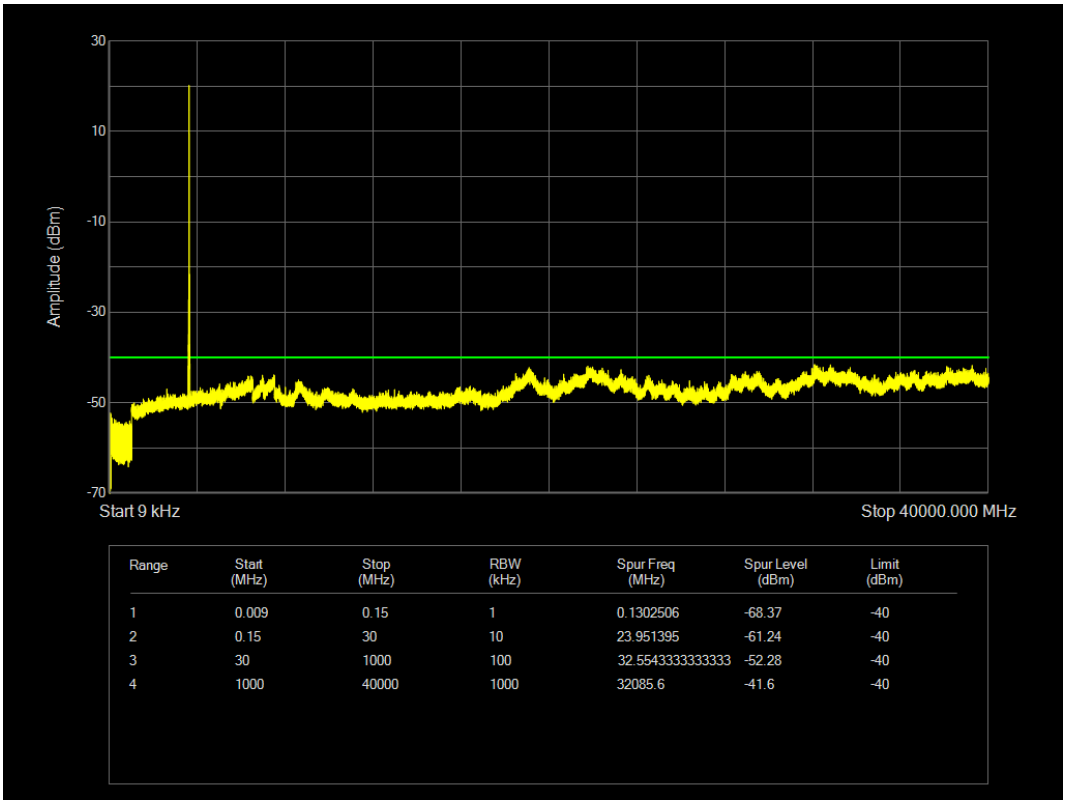
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1308005	-69.41	-40
2	0.15	30	10	28.518445	-60.74	-40
3	30	1000	100	35.7553333333333	-51.18	-40
4	1000	40000	1000	21823.4	-41.38	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=15MHz Channel=646166 RB=1@0



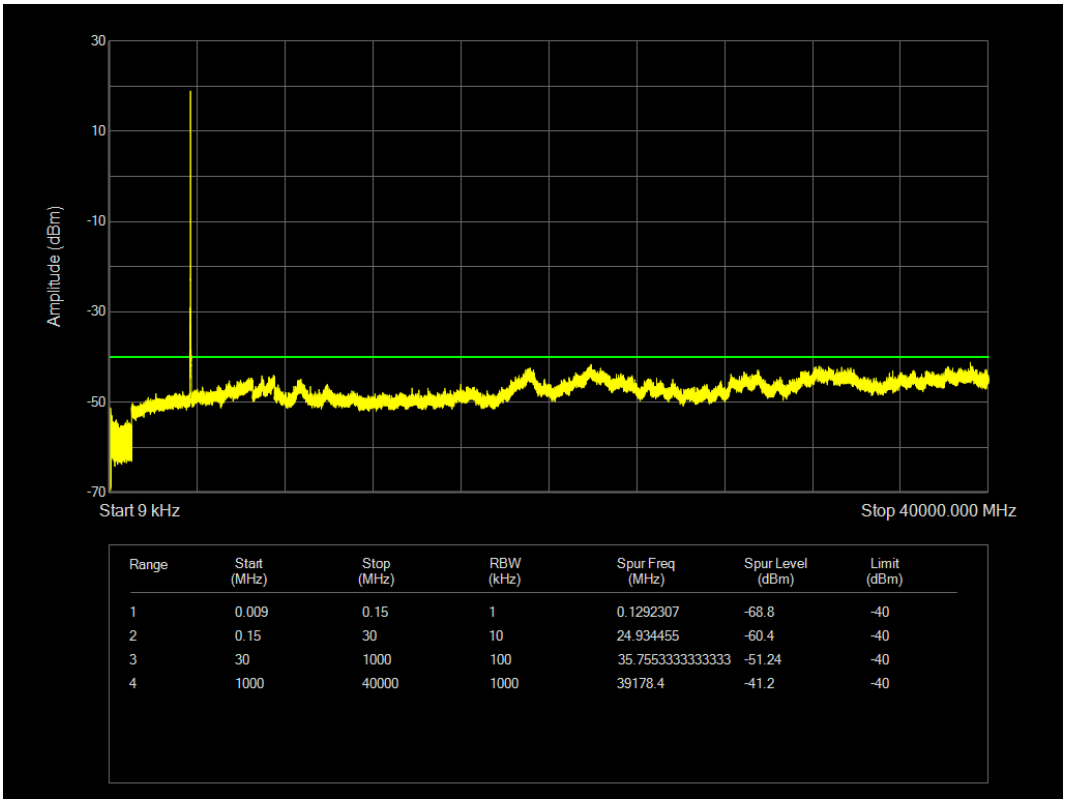
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1297618	-68.35	-40
2	0.15	30	10	26.71252	-60.72	-40
3	30	1000	100	35.3996666666667	-52.19	-40
4	1000	40000	1000	32801.9	-40.99	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=20MHz Channel=637334 RB=1@0



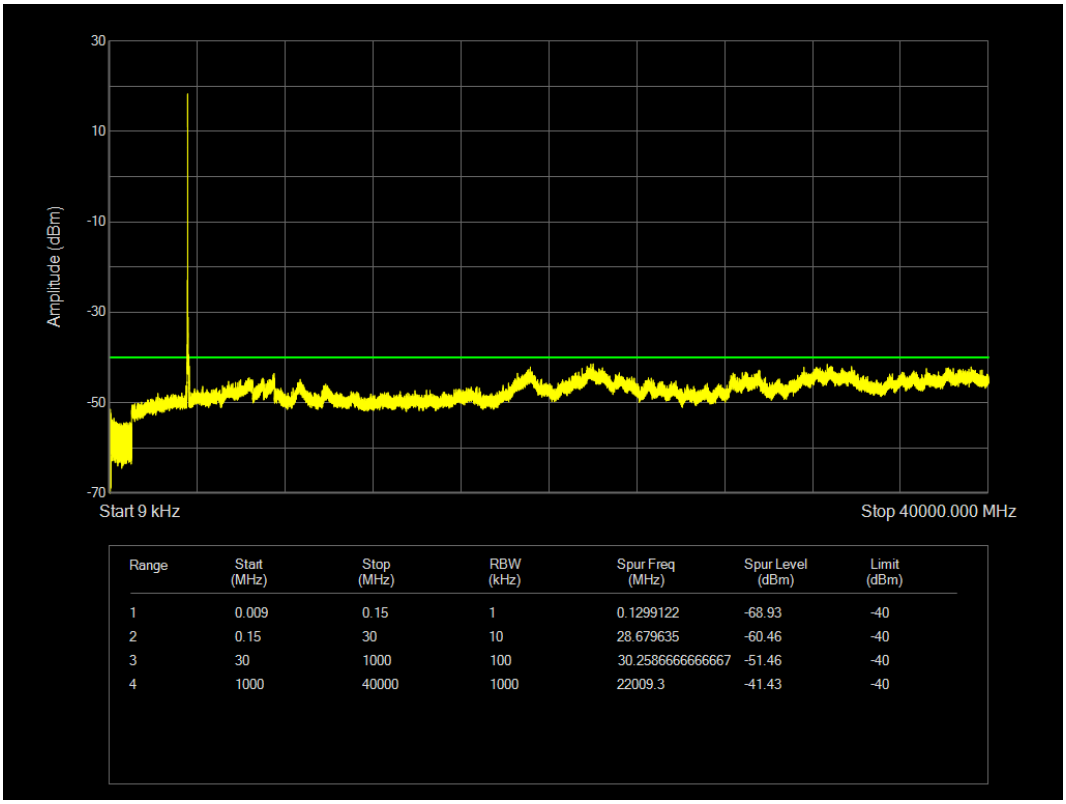
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1302506	-68.37	-40
2	0.15	30	10	23.951395	-61.24	-40
3	30	1000	100	32.5543333333333	-52.28	-40
4	1000	40000	1000	32085.6	-41.6	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=20MHz Channel=641666 RB=1@0



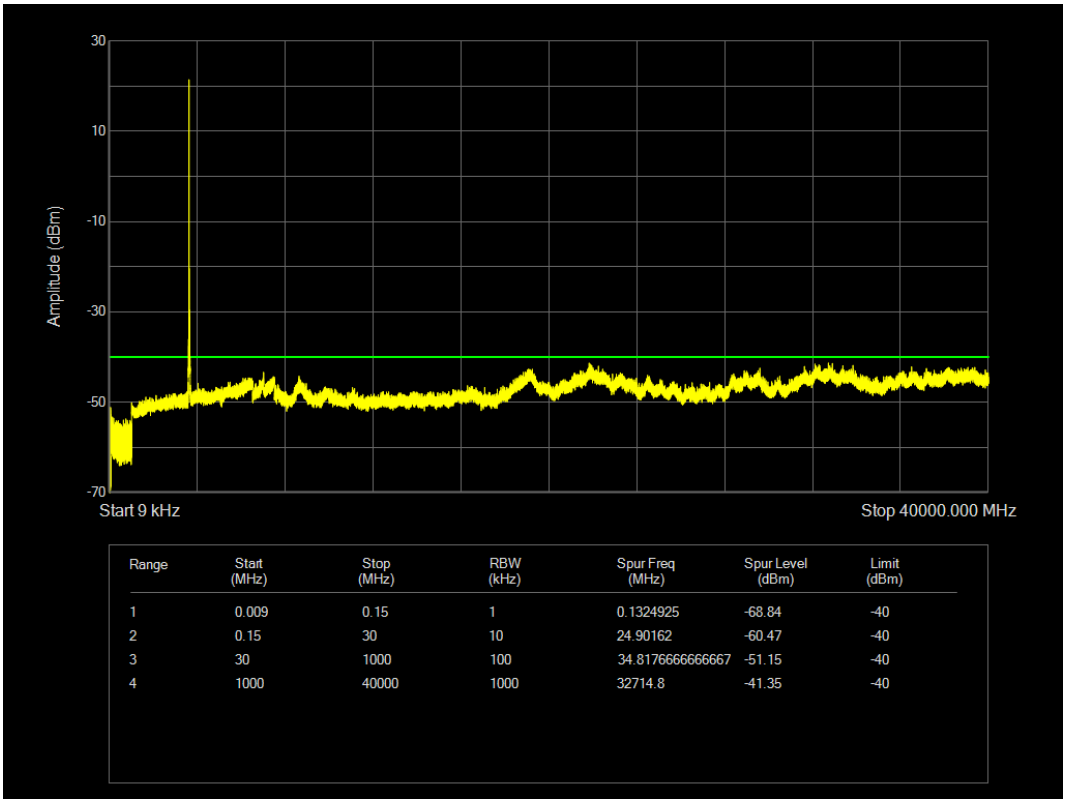
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1292307	-68.8	-40
2	0.15	30	10	24.934455	-60.4	-40
3	30	1000	100	35.7553333333333	-51.24	-40
4	1000	40000	1000	39178.4	-41.2	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=20MHz Channel=646000 RB=1@0



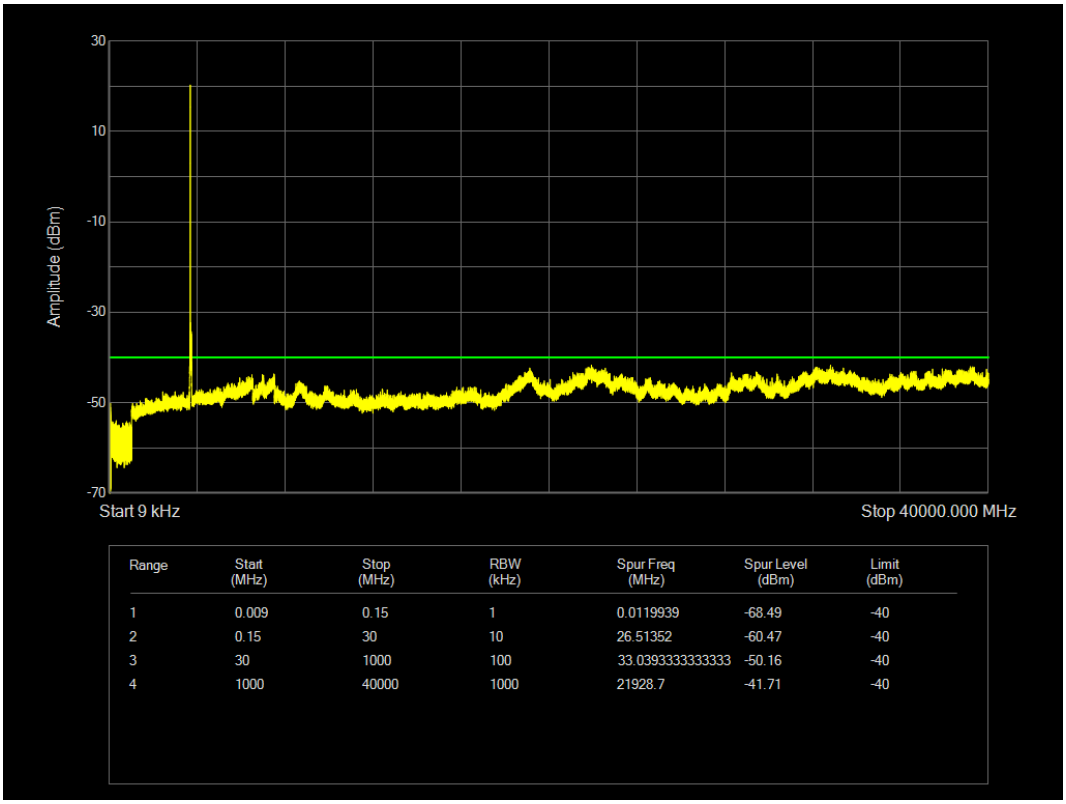
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1299122	-68.93	-40
2	0.15	30	10	28.679635	-60.46	-40
3	30	1000	100	30.2586666666667	-51.46	-40
4	1000	40000	1000	22009.3	-41.43	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=30MHz Channel=637668 RB=1@0



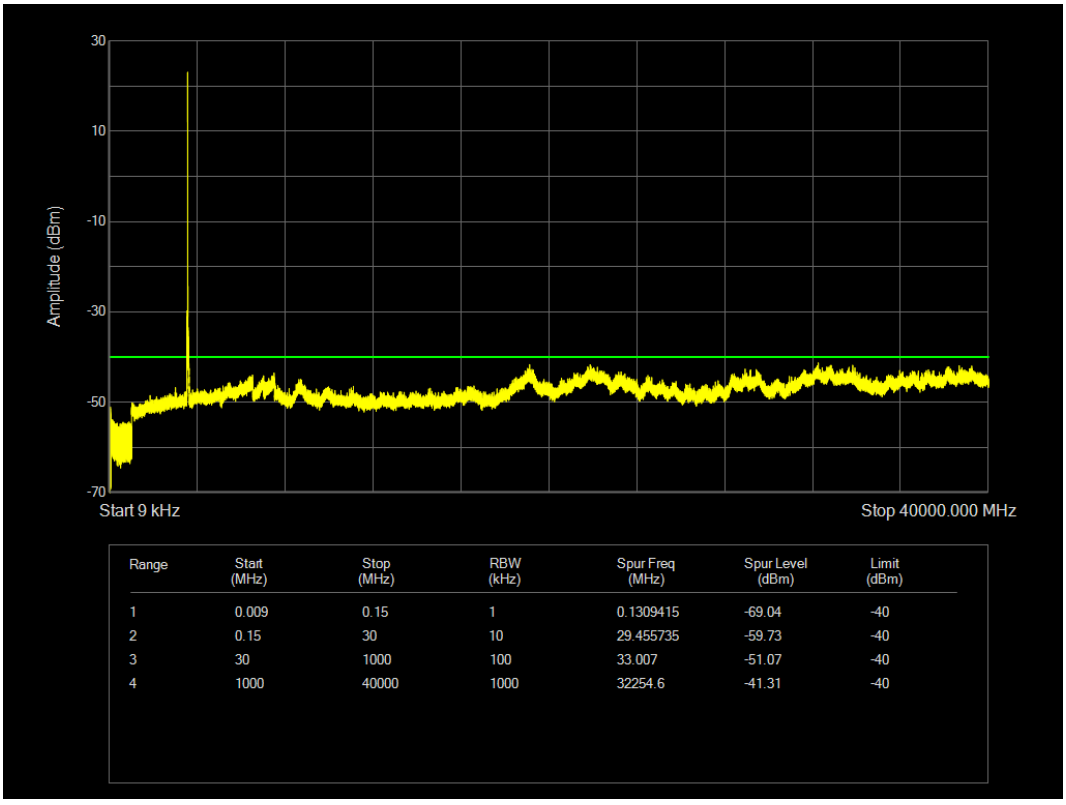
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1324925	-68.84	-40
2	0.15	30	10	24.90162	-60.47	-40
3	30	1000	100	34.8176666666667	-51.15	-40
4	1000	40000	1000	32714.8	-41.35	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=30MHz Channel=641666 RB=1@0



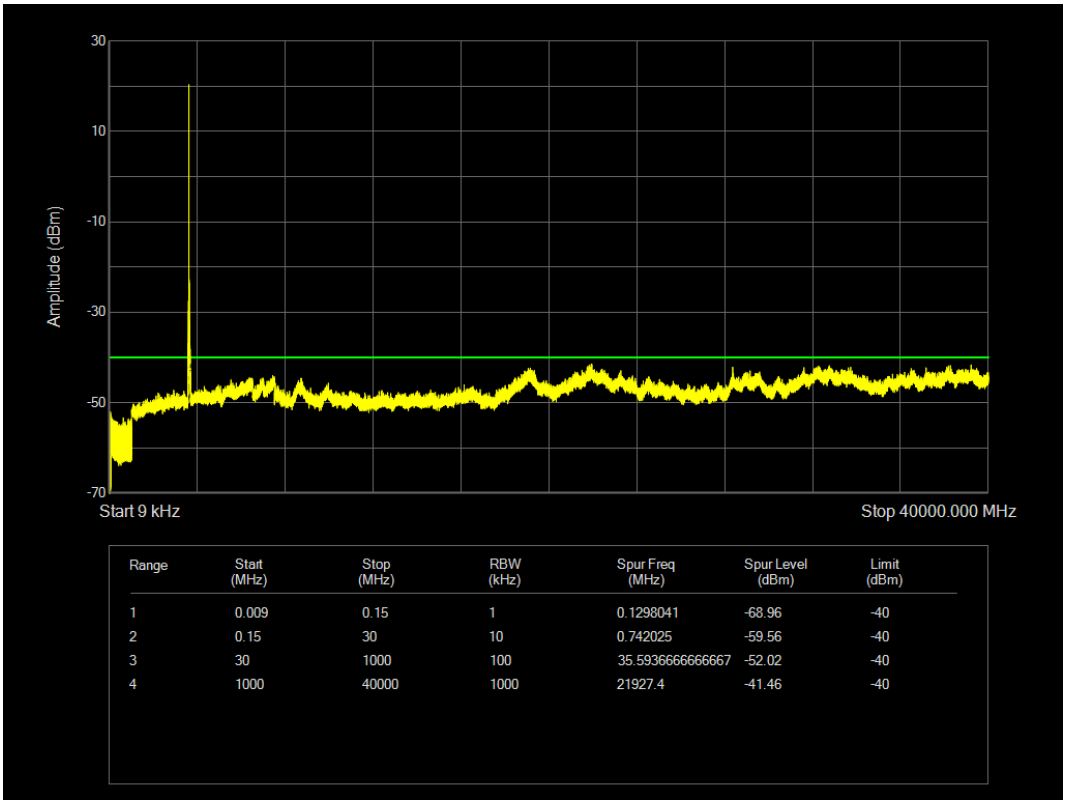
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0119939	-68.49	-40
2	0.15	30	10	26.51352	-60.47	-40
3	30	1000	100	33.0393333333333	-50.16	-40
4	1000	40000	1000	21928.7	-41.71	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=30MHz Channel=645666 RB=1@0



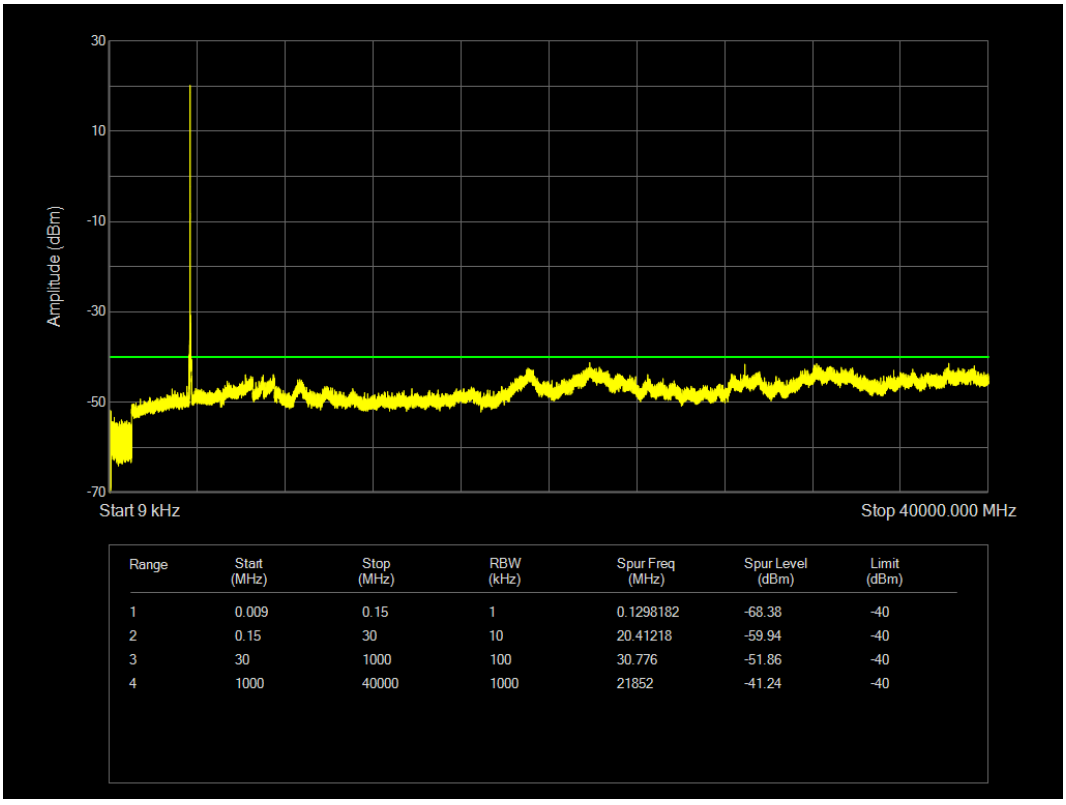
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1309415	-69.04	-40
2	0.15	30	10	29.455735	-59.73	-40
3	30	1000	100	33.007	-51.07	-40
4	1000	40000	1000	32254.6	-41.31	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=40MHz Channel=638000 RB=1@0



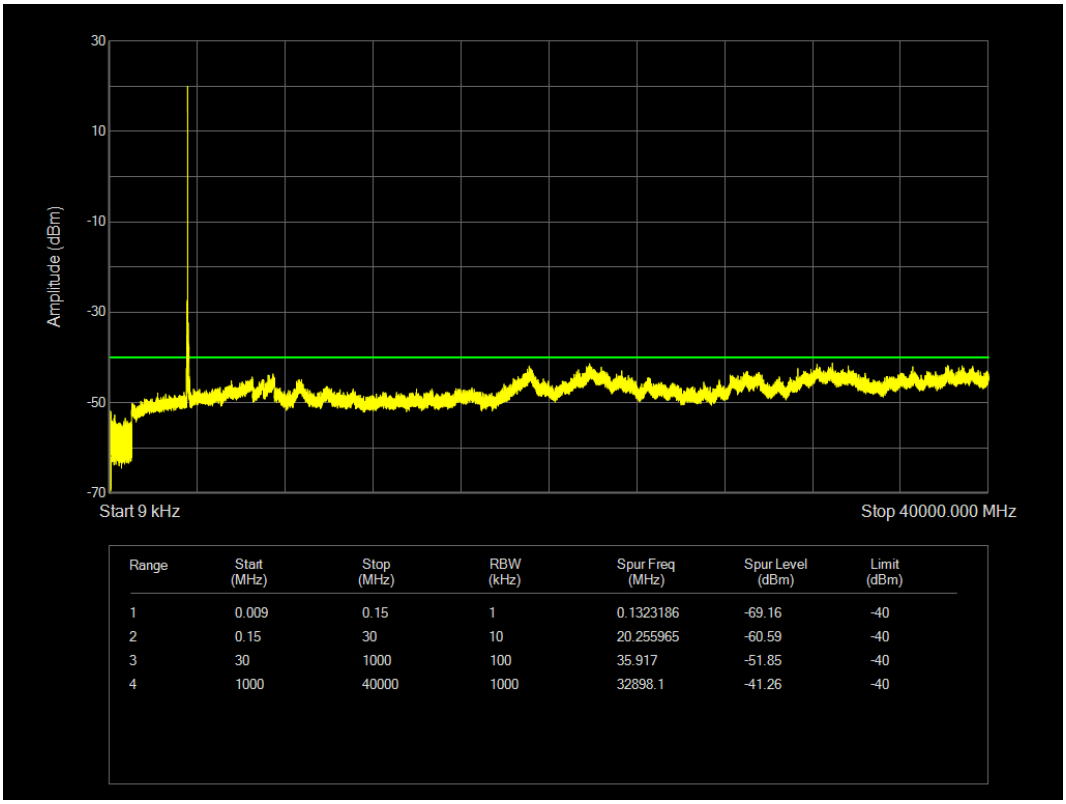
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1298041	-68.96	-40
2	0.15	30	10	0.742025	-59.56	-40
3	30	1000	100	35.5936666666667	-52.02	-40
4	1000	40000	1000	21927.4	-41.46	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=40MHz Channel=641666 RB=1@0



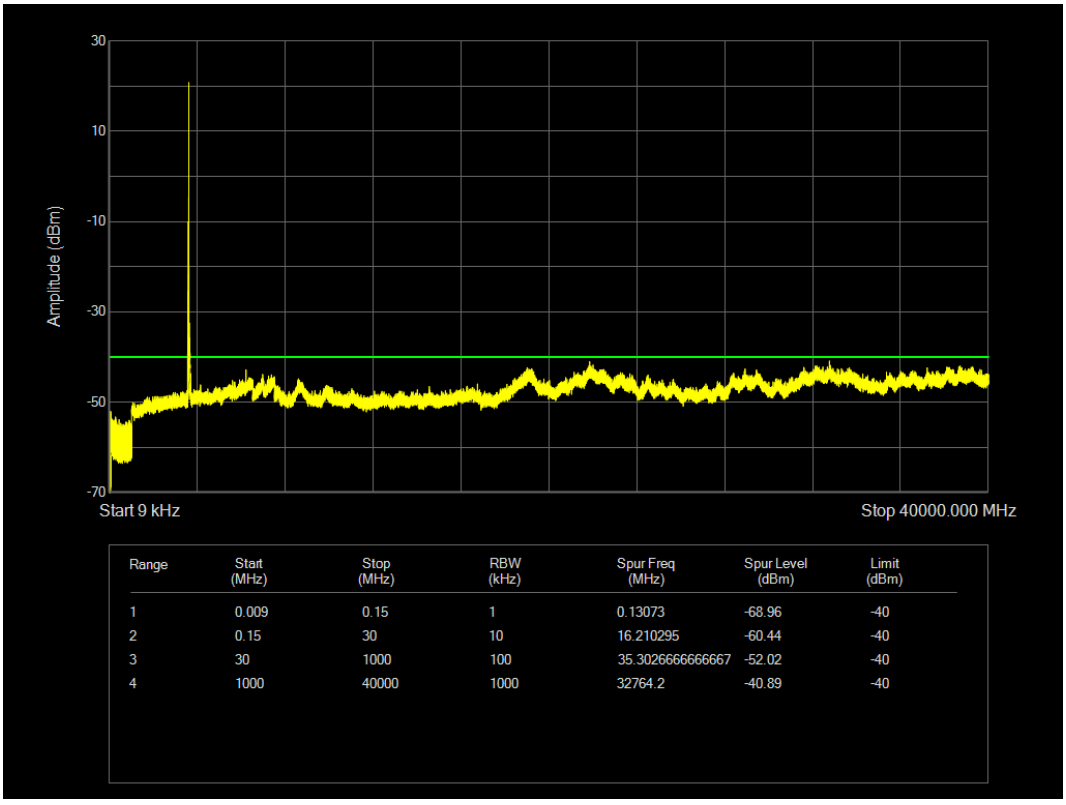
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1298182	-68.38	-40
2	0.15	30	10	20.41218	-59.94	-40
3	30	1000	100	30.776	-51.86	-40
4	1000	40000	1000	21852	-41.24	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=40MHz Channel=645332 RB=1@0



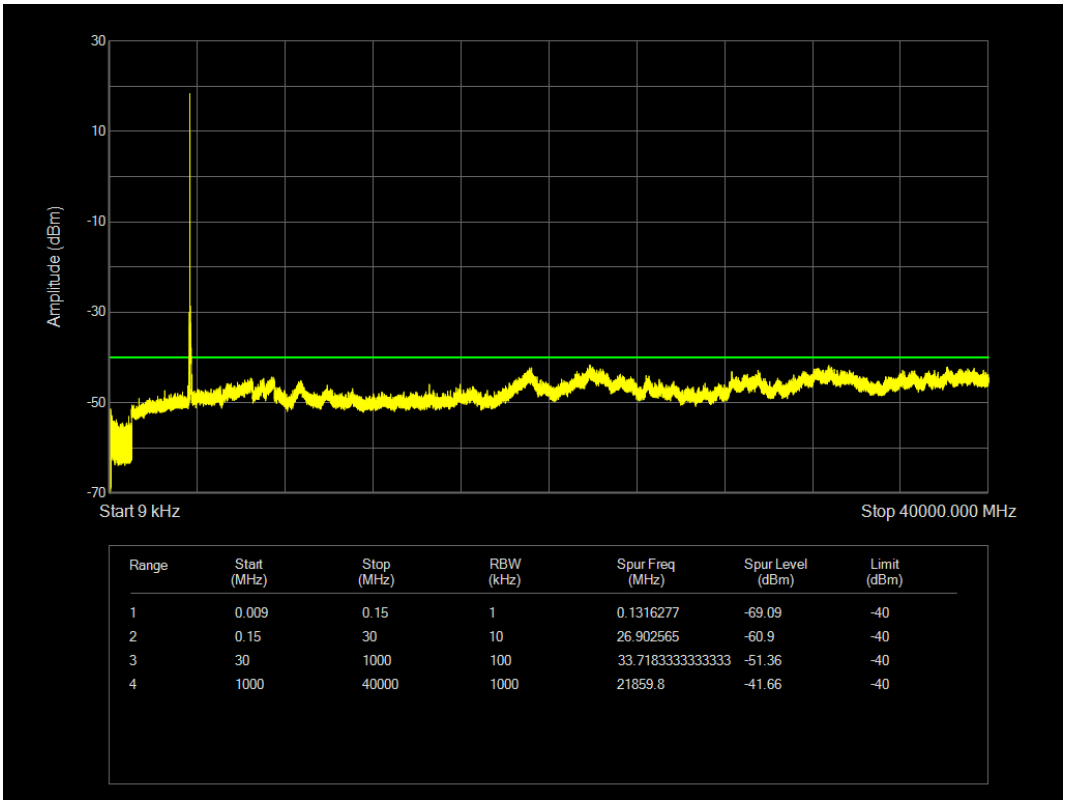
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1323186	-69.16	-40
2	0.15	30	10	20.255965	-60.59	-40
3	30	1000	100	35.917	-51.85	-40
4	1000	40000	1000	32898.1	-41.26	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=50MHz Channel=638334 RB=1@0



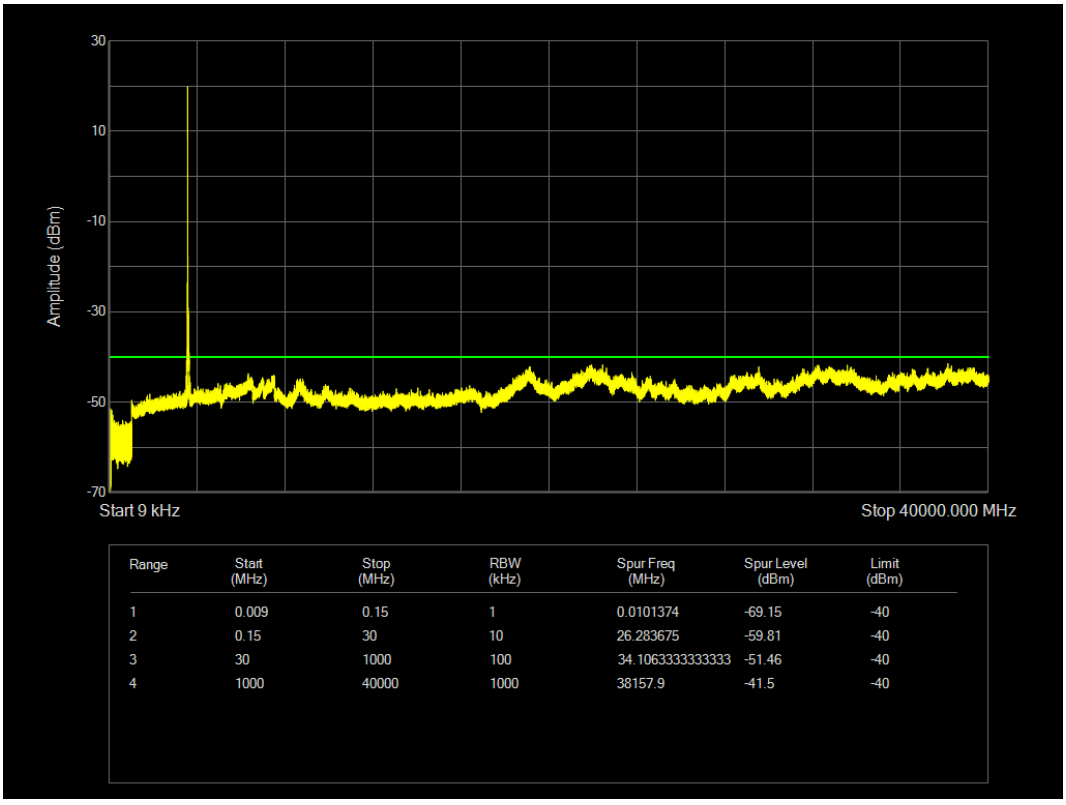
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.13073	-68.96	-40
2	0.15	30	10	16.210295	-60.44	-40
3	30	1000	100	35.3026666666667	-52.02	-40
4	1000	40000	1000	32764.2	-40.89	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=50MHz Channel=641666 RB=1@0



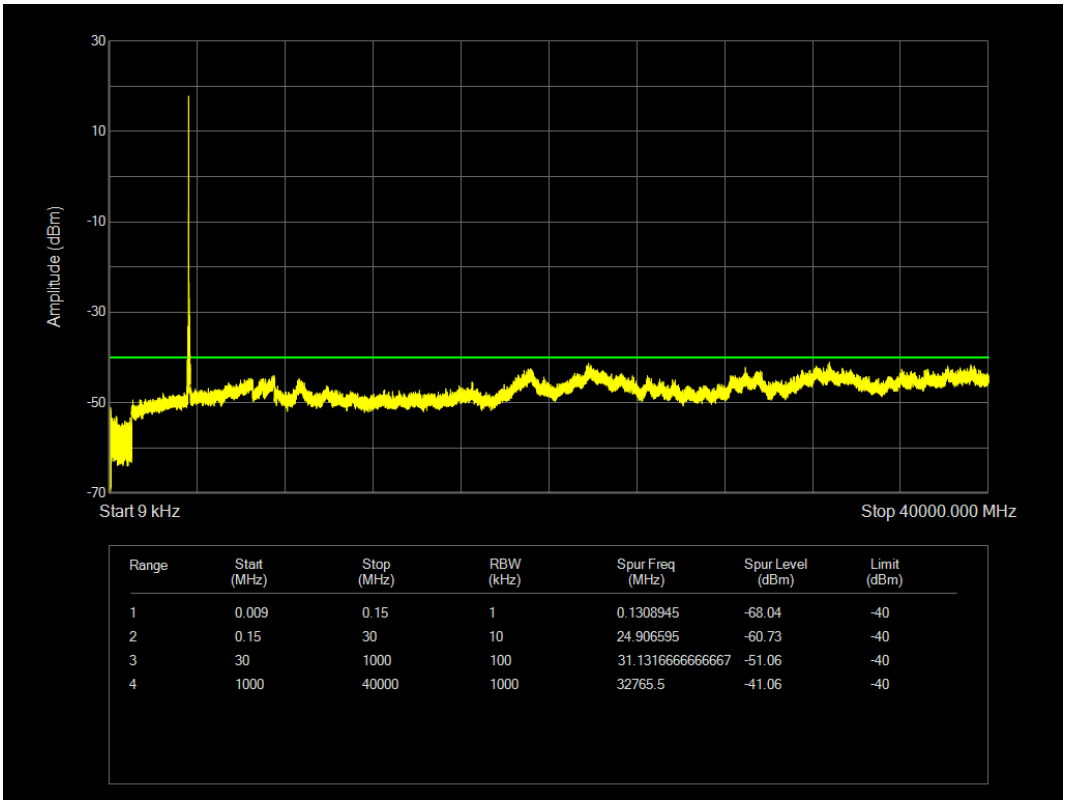
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1316277	-69.09	-40
2	0.15	30	10	26.902565	-60.9	-40
3	30	1000	100	33.7183333333333	-51.36	-40
4	1000	40000	1000	21859.8	-41.66	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=50MHz Channel=645000 RB=1@0



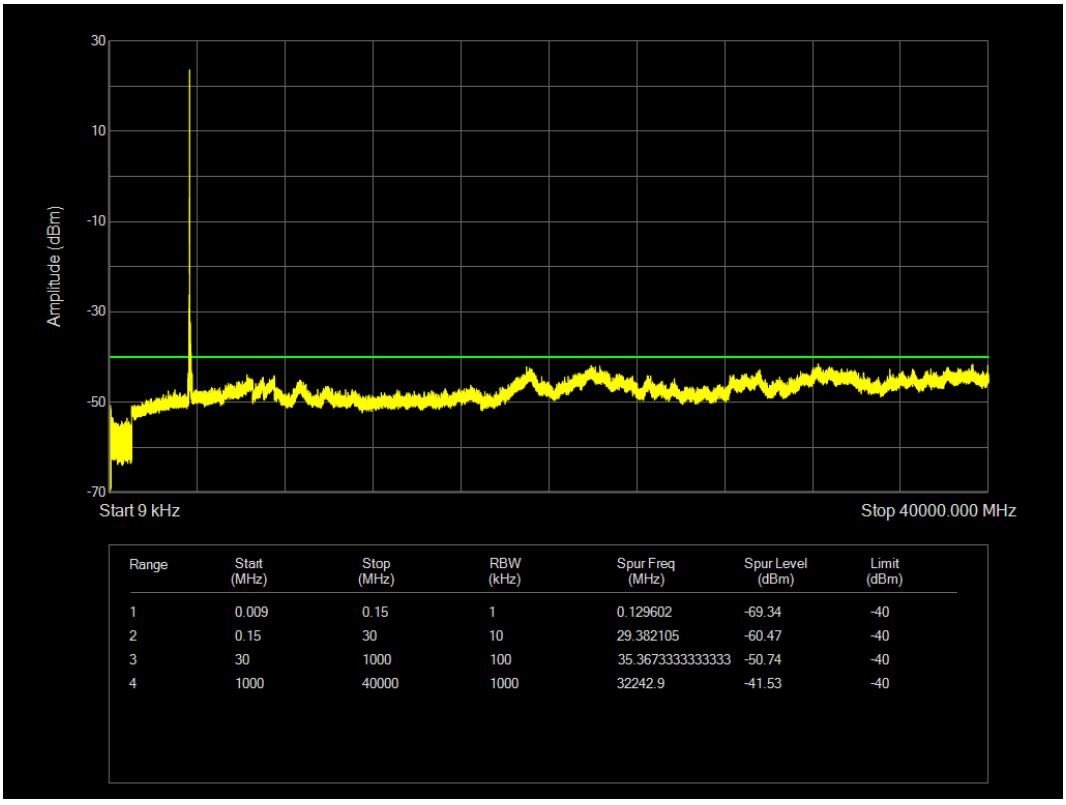
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0101374	-69.15	-40
2	0.15	30	10	26.283675	-59.81	-40
3	30	1000	100	34.1063333333333	-51.46	-40
4	1000	40000	1000	38157.9	-41.5	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=60MHz Channel=638668 RB=1@0



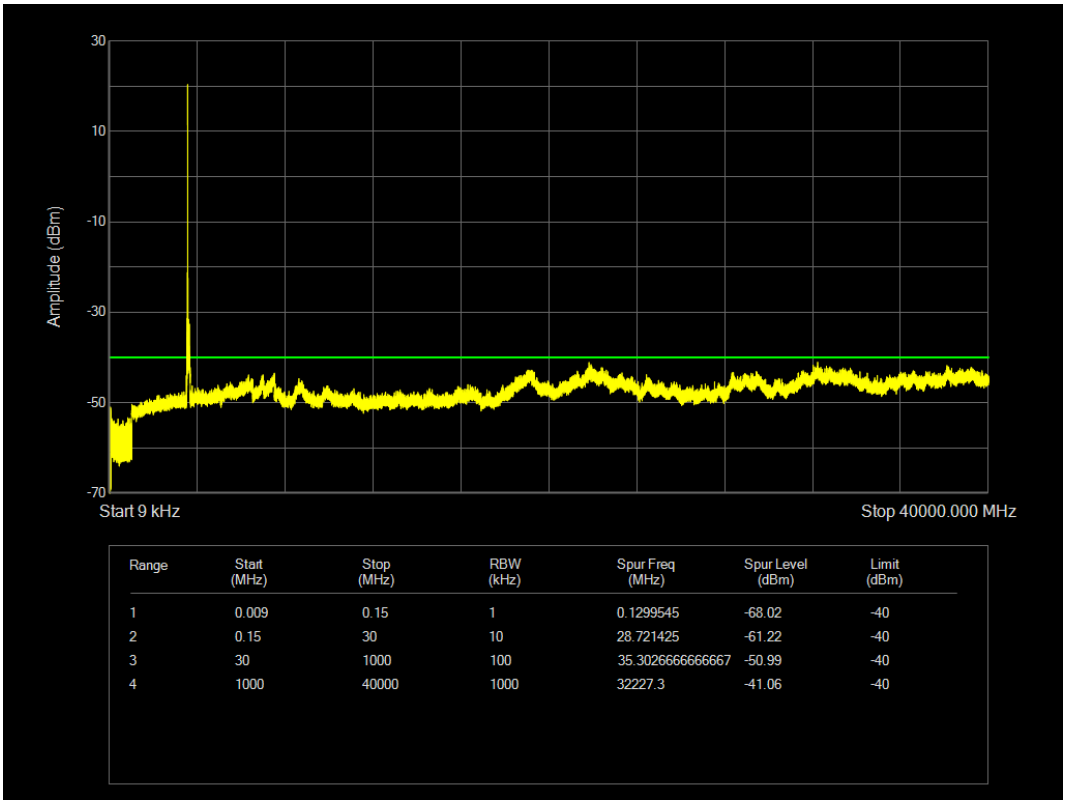
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1308945	-68.04	-40
2	0.15	30	10	24.906595	-60.73	-40
3	30	1000	100	31.1316666666667	-51.06	-40
4	1000	40000	1000	32765.5	-41.06	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=60MHz Channel=641666 RB=1@0



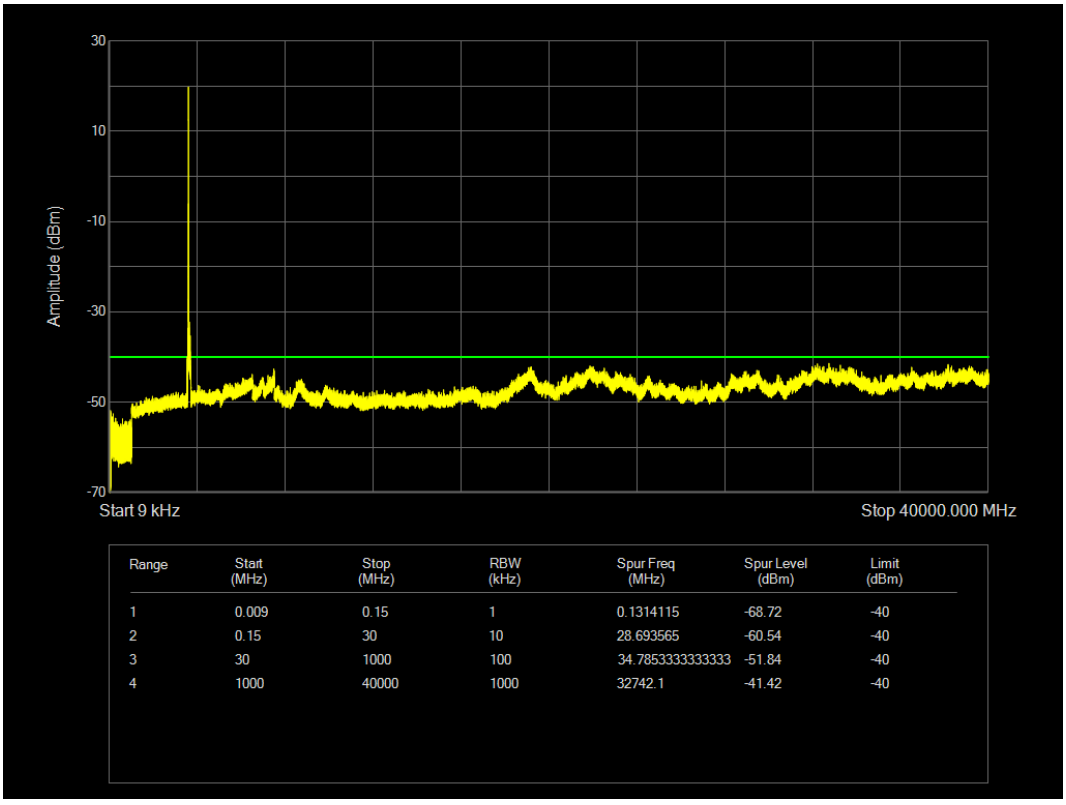
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.129602	-69.34	-40
2	0.15	30	10	29.382105	-60.47	-40
3	30	1000	100	35.3673333333333	-50.74	-40
4	1000	40000	1000	32242.9	-41.53	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=60MHz Channel=644666 RB=1@0



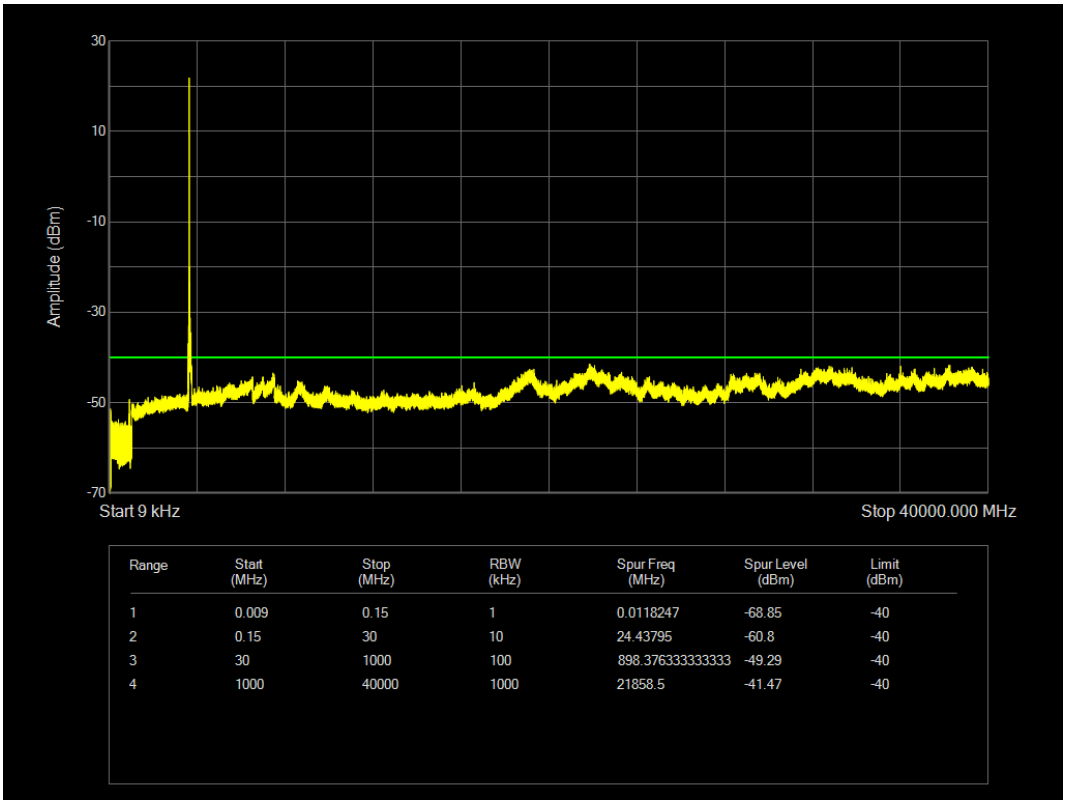
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1299545	-68.02	-40
2	0.15	30	10	28.721425	-61.22	-40
3	30	1000	100	35.3026666666667	-50.99	-40
4	1000	40000	1000	32227.3	-41.06	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=80MHz Channel=639334 RB=1@0



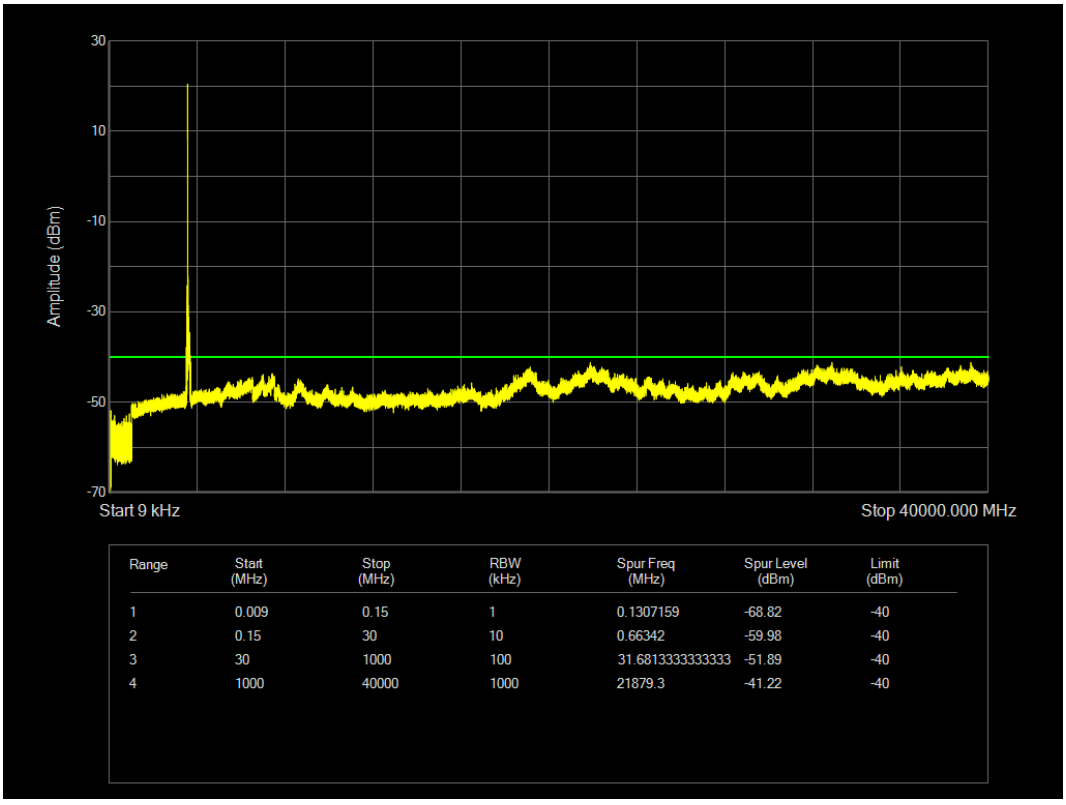
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1314115	-68.72	-40
2	0.15	30	10	28.693565	-60.54	-40
3	30	1000	100	34.7853333333333	-51.84	-40
4	1000	40000	1000	32742.1	-41.42	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=80MHz Channel=641666 RB=1@0



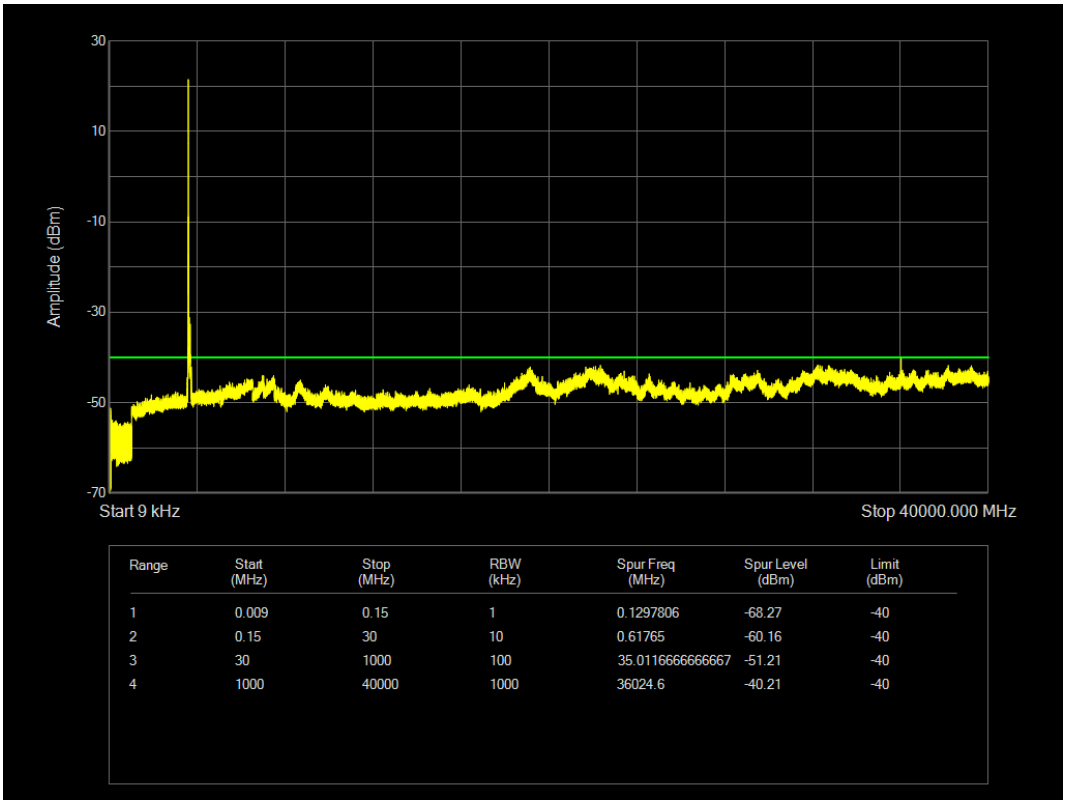
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0118247	-68.85	-40
2	0.15	30	10	24.43795	-60.8	-40
3	30	1000	100	898.376333333333	-49.29	-40
4	1000	40000	1000	21858.5	-41.47	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=80MHz Channel=644000 RB=1@0



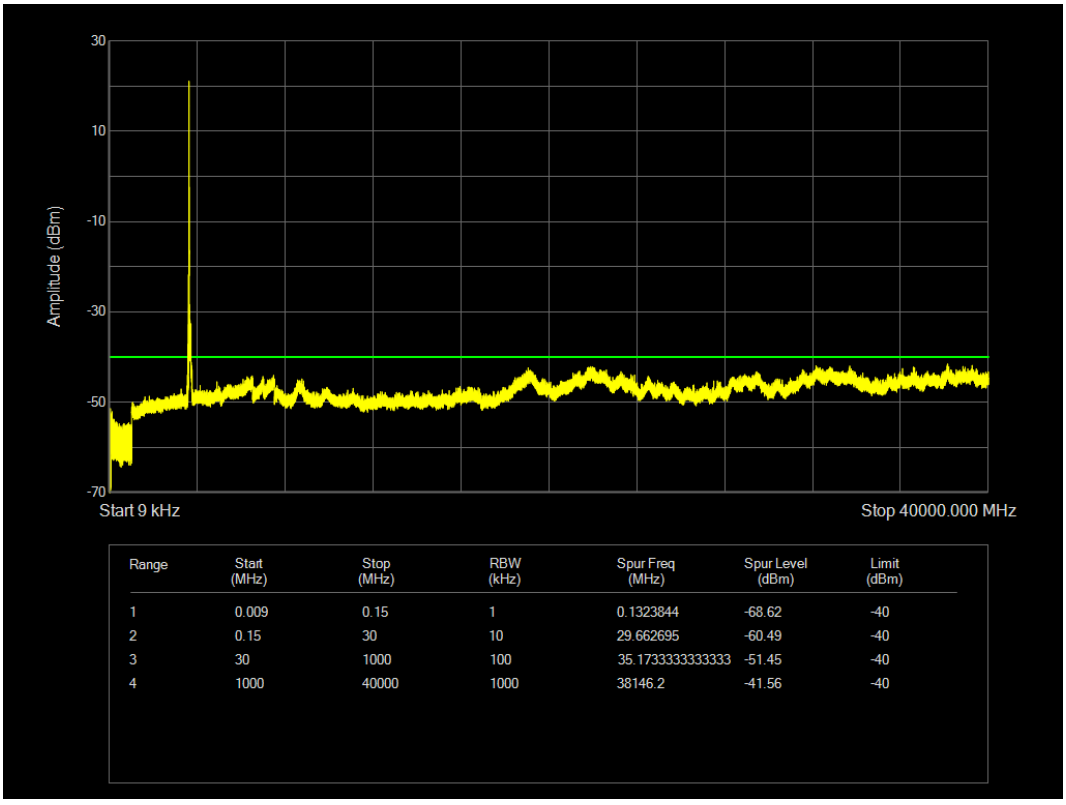
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1307159	-68.82	-40
2	0.15	30	10	0.66342	-59.98	-40
3	30	1000	100	31.6813333333333	-51.89	-40
4	1000	40000	1000	21879.3	-41.22	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=90MHz Channel=639668 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1297806	-68.27	-40
2	0.15	30	10	0.61765	-60.16	-40
3	30	1000	100	35.0116666666667	-51.21	-40
4	1000	40000	1000	36024.6	-40.21	-40

MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=90MHz Channel=641666 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1323844	-68.62	-40
2	0.15	30	10	29.662695	-60.49	-40
3	30	1000	100	35.1733333333333	-51.45	-40
4	1000	40000	1000	38146.2	-41.56	-40

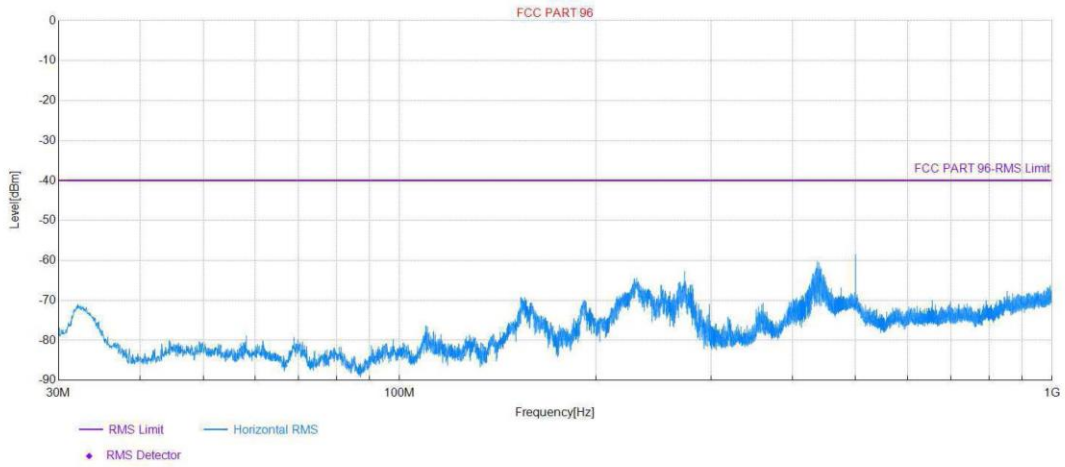
MIMO\PC3\NR n48 SCS=30kHz CP_QPSK BW=90MHz Channel=643666 RB=1@0

6.8. Radiated Spurious Emission

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions below the noise floor will not be recorded in the report.

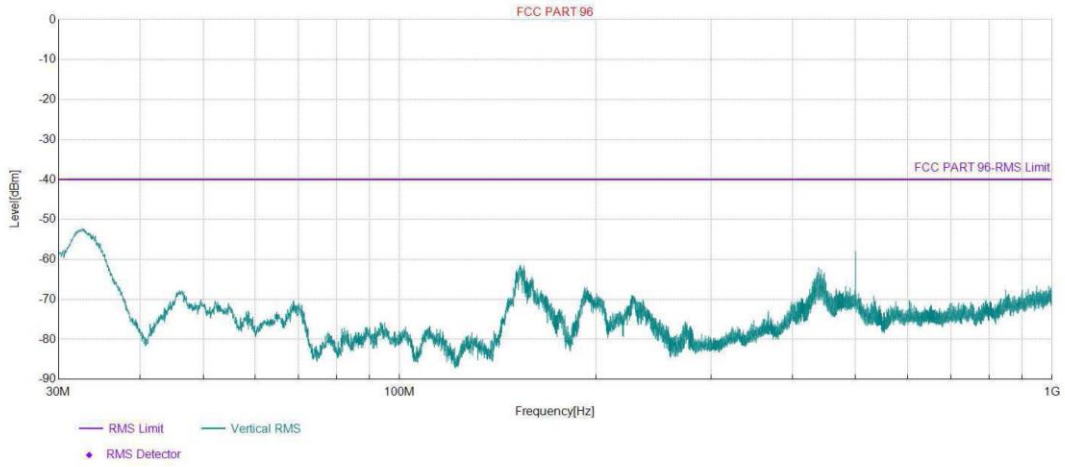
Project Information			
Mode:	LTE	Band:	Band48
Bandwidth:	5MHz	Channel:	Low
IMEI:	864419070020620		
Remark:	Polarity: Y		
Test Standard: FCC PART 96			

Test Graph



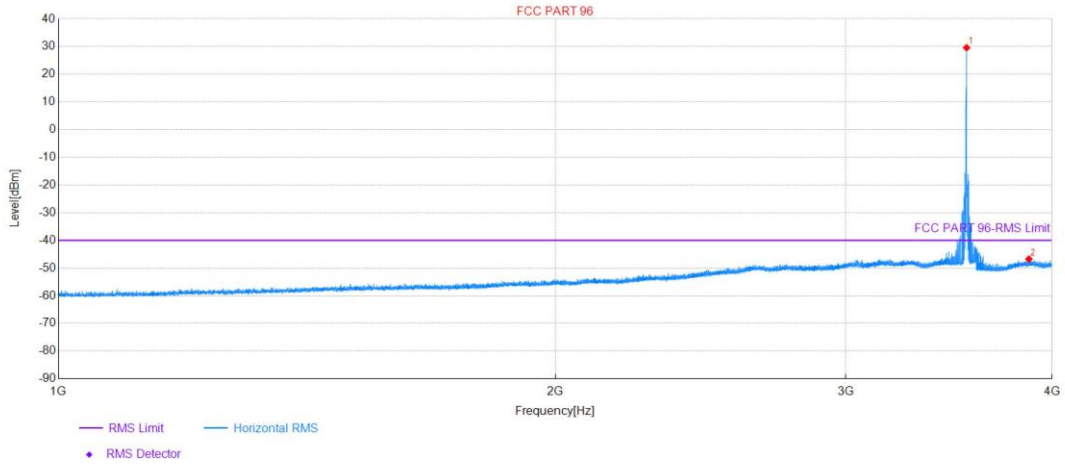
Project Information			
Mode:	LTE	Band:	Band48
Bandwidth:	5MHz	Channel:	Low
IMEI:	864419070020620		
Remark:	Polarity: Y		
Test Standard: FCC PART 96			

Test Graph



Project Information			
Mode:	LTE	Band:	48
Bandwidth:	5MHz	Channel:	Low
IMEI:	864419070020620		
Remark:	Polarity: Y		
Test Standard: FCC PART 96			

Test Graph

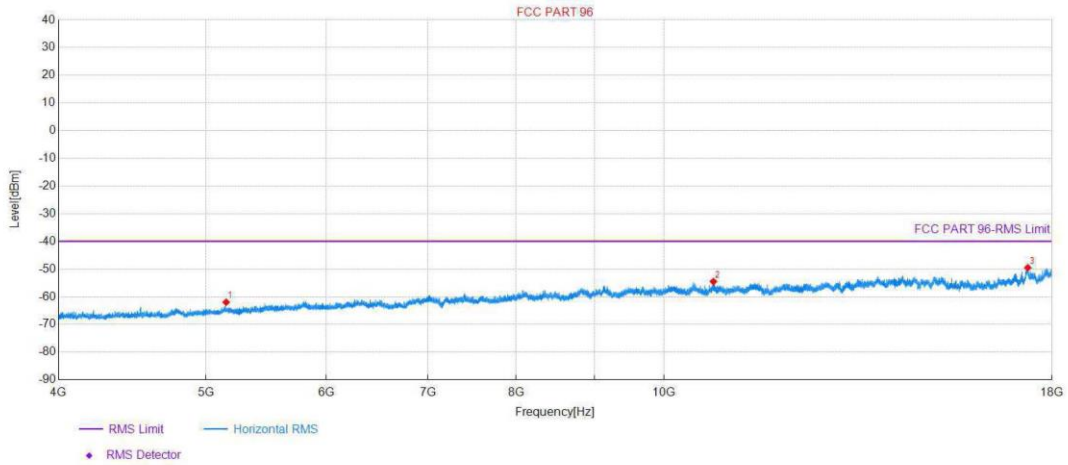


Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Trace	Polarity	Verdict
1	3550.3	117.22	-87.61	29.61	-	-	RMS	Horizontal	NA
2	3872.95	39.66	-86.40	-46.74	-40.00	6.74	RMS	Horizontal	PASS

Project Information			
Mode:	LTE	Band:	48
Bandwidth:	5MHz	Channel:	Low
IMEI:	864419070020620		
Remark:	Polarity: Y		
Test Standard: FCC PART 96			

Test Graph

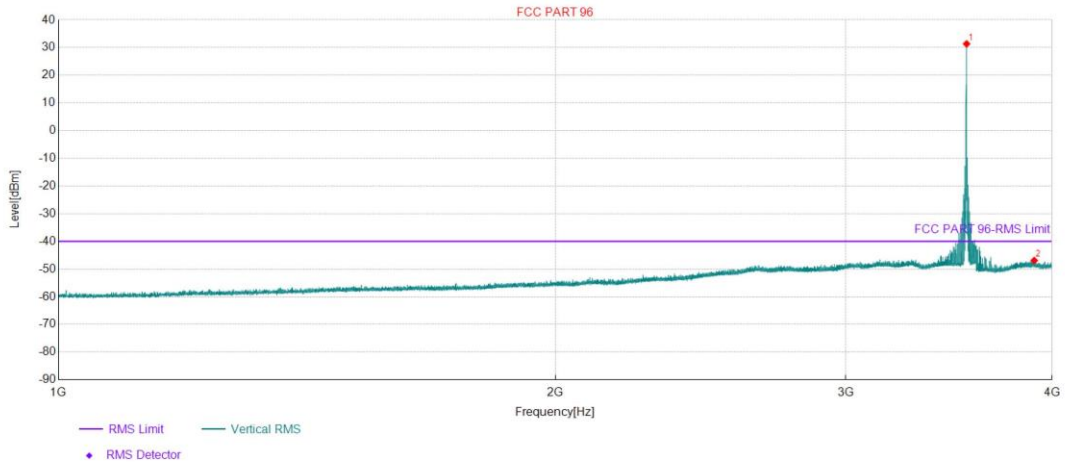


Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Trace	Polarity	Verdict
1	5156.4	40.03	-101.98	-61.95	-40.00	21.95	RMS	Horizontal	PASS
2	10781.1333	36.44	-90.94	-54.50	-40.00	14.50	RMS	Horizontal	PASS
3	17350.8666	32.92	-82.43	-49.51	-40.00	9.51	RMS	Horizontal	PASS

Project Information			
Mode:	LTE	Band:	48
Bandwidth:	5MHz	Channel:	Low
IMEI:	864419070020620		
Remark:	Polarity: Y		
Test Standard: FCC PART 96			

Test Graph

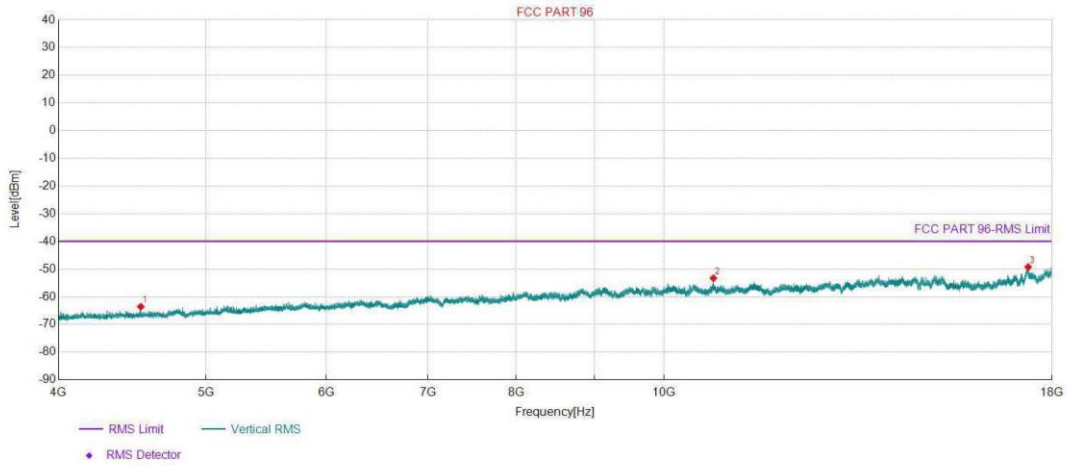


Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Trace	Polarity	Verdict
1	3550.3	118.97	-87.61	31.36	-	-	RMS	Vertical	NA
2	3901.75	39.40	-86.29	-46.89	-40.00	6.89	RMS	Vertical	PASS

Project Information			
Mode:	LTE	Band:	48
Bandwidth:	5MHz	Channel:	Low
IMEI:	864419070020620		
Remark:	Polarity: Y		
Test Standard: FCC PART 96			

Test Graph

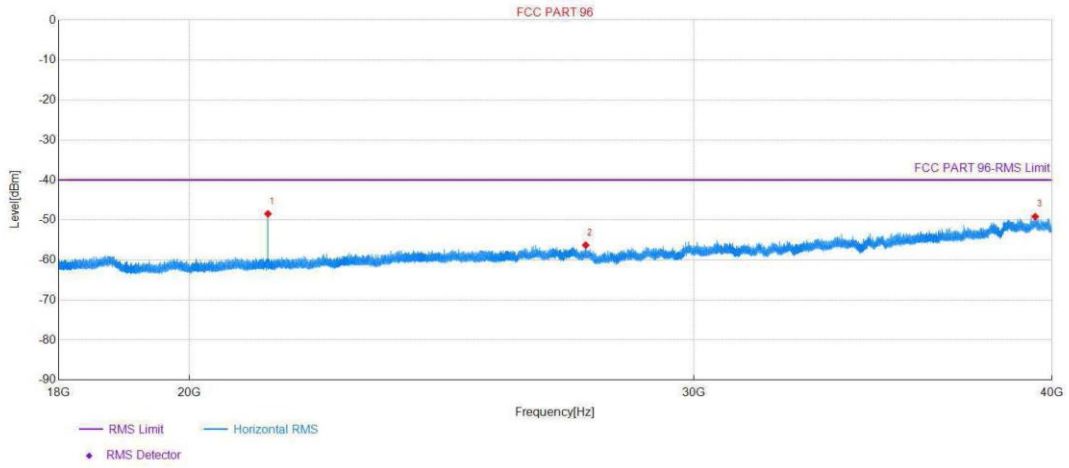


Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Trace	Polarity	Verdict
1	4531.06666	40.90	-104.46	-63.56	-40.00	23.56	RMS	Vertical	PASS
2	10781.1333	37.65	-90.94	-53.29	-40.00	13.29	RMS	Vertical	PASS
3	17361.1333	33.59	-82.84	-49.25	-40.00	9.25	RMS	Vertical	PASS

Project Information			
Mode:	LTE	Band:	48
Bandwidth:	5MHz	Channel:	Low
IMEI:	864419070020620		
Remark:	Polarity: Y		
Test Standard: FCC PART 96			

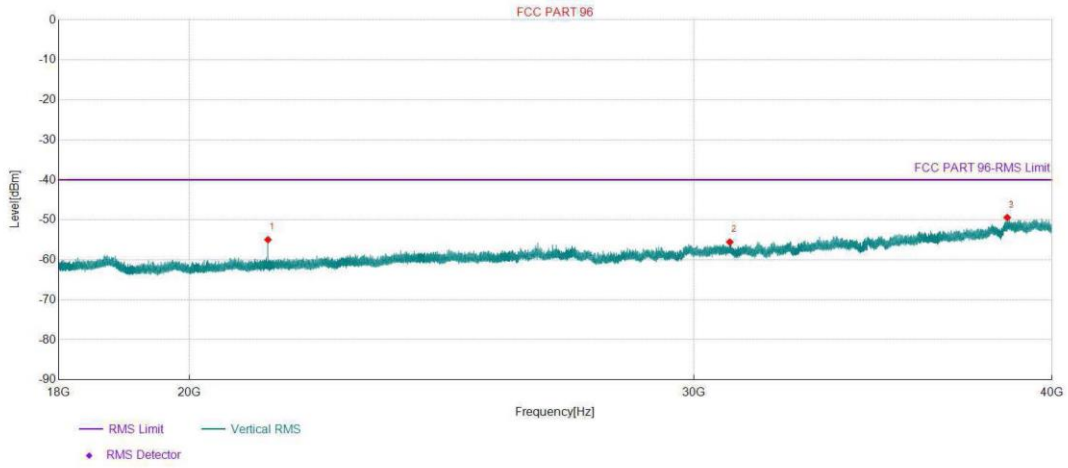
Test Graph



Data List									
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Trace	Polarity	Verdict
1	21302.1333	54.56	-103.01	-48.45	-40.00	8.45	RMS	Horizontal	PASS
2	27499.4	42.53	-98.82	-56.29	-40.00	16.29	RMS	Horizontal	PASS
3	39462.4	42.24	-91.37	-49.13	-40.00	9.13	RMS	Horizontal	PASS

Project Information			
Mode:	LTE	Band:	48
Bandwidth:	5MHz	Channel:	Low
IMEI:	864419070020620		
Remark:	Polarity: Y		
Test Standard: FCC PART 96			

Test Graph

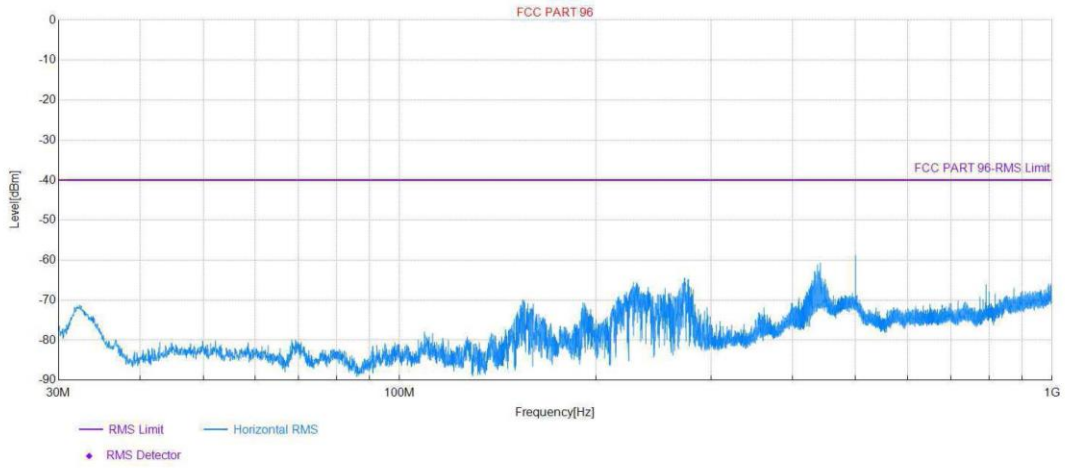


Data List

NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Trace	Polarity	Verdict
1	21301.8666	48.05	-103.01	-54.96	-40.00	14.96	RMS	Vertical	PASS
2	30874.8	42.58	-98.13	-55.55	-40.00	15.55	RMS	Vertical	PASS
3	38585.5333	42.96	-92.37	-49.41	-40.00	9.41	RMS	Vertical	PASS

Project Information			
Mode:	LTE	Band:	Band48
Bandwidth:	5MHz	Channel:	Mid
IMEI:	864419070020620		
Remark:	Polarity: Y		
Test Standard: FCC PART 96			

Test Graph



Project Information			
Mode:	LTE	Band:	Band48
Bandwidth:	5MHz	Channel:	Mid
IMEI:	864419070020620		
Remark:	Polarity: Y		
Test Standard: FCC PART 96			

Test Graph