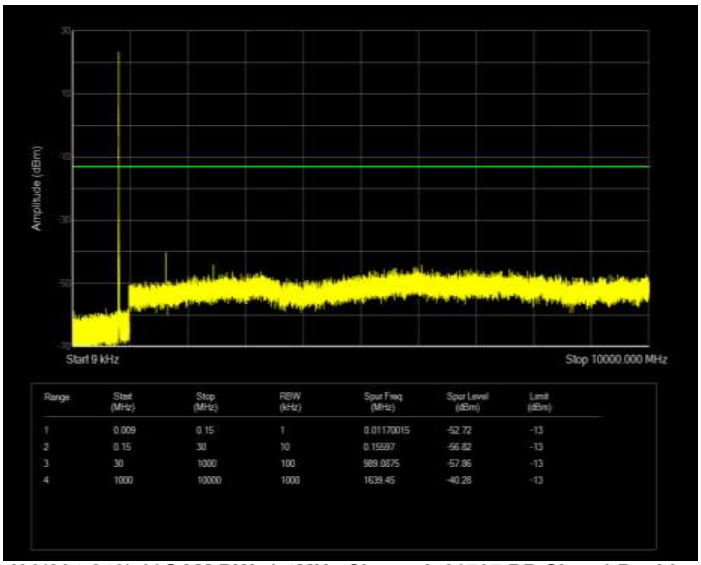
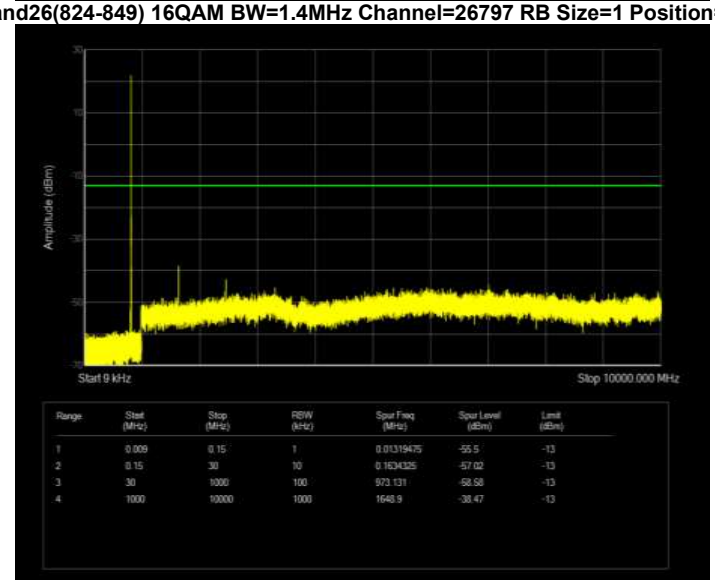
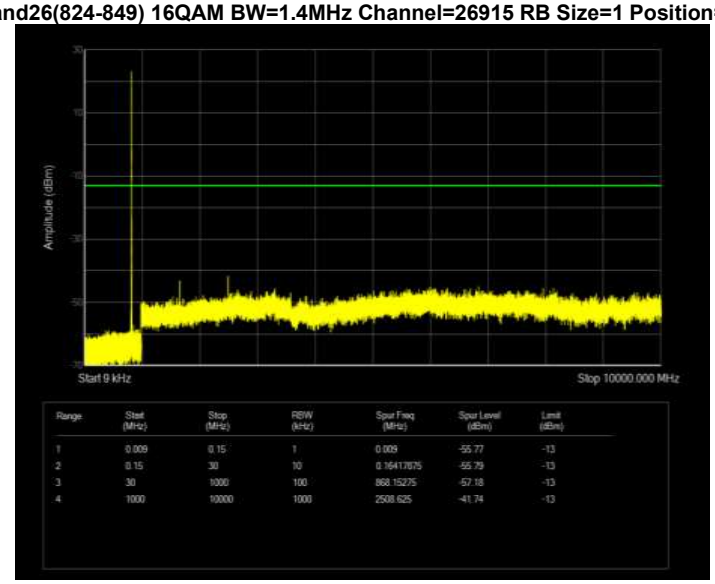


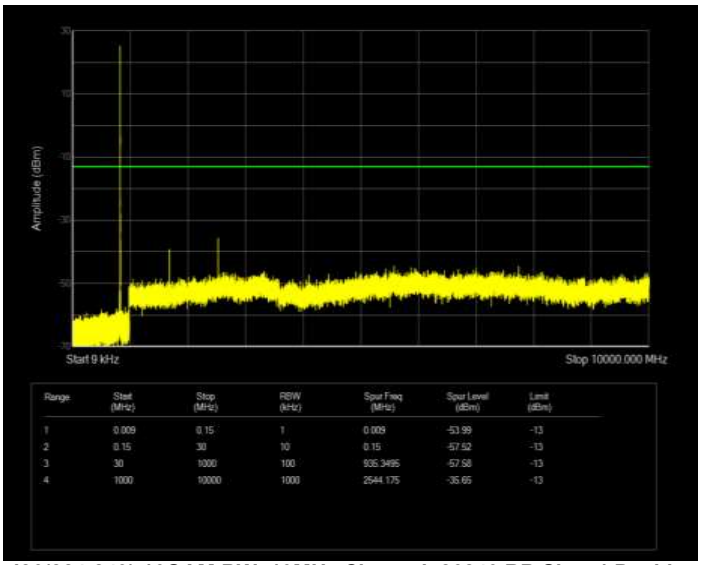
Band26(824-849) 16QAM BW=1.4MHz Channel=26797 RB Size=1 Position=#0



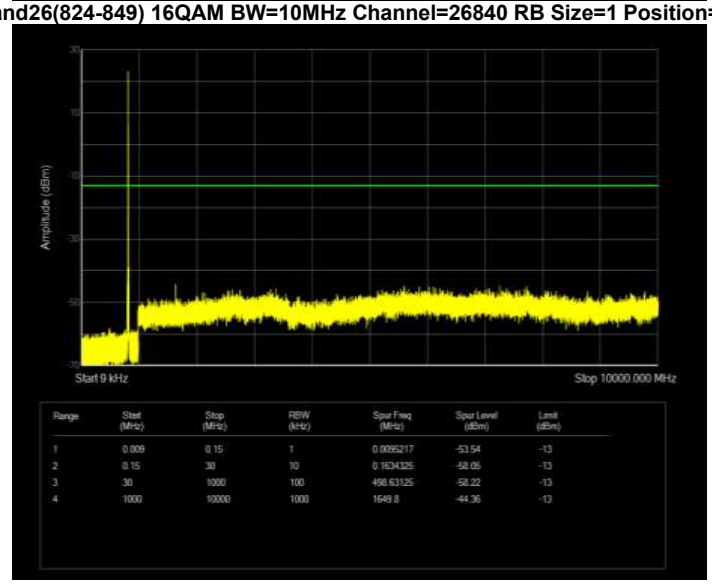
Band26(824-849) 16QAM BW=1.4MHz Channel=26915 RB Size=1 Position=#0



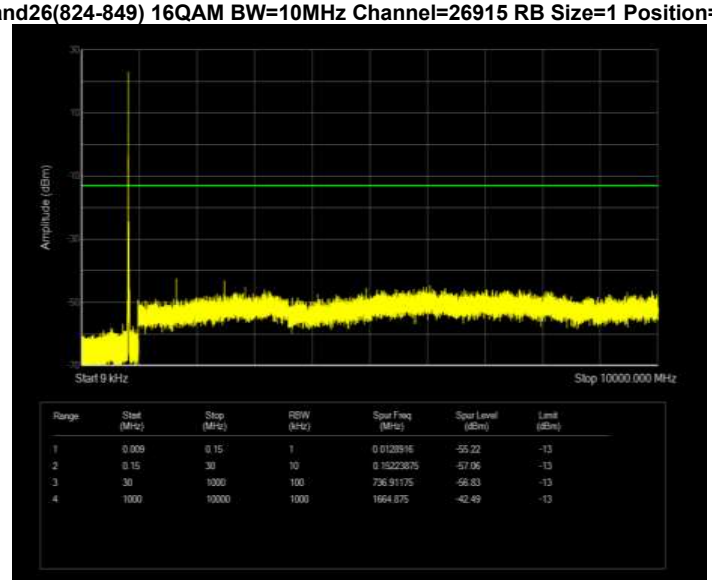
Band26(824-849) 16QAM BW=1.4MHz Channel=27033 RB Size=1 Position=#0



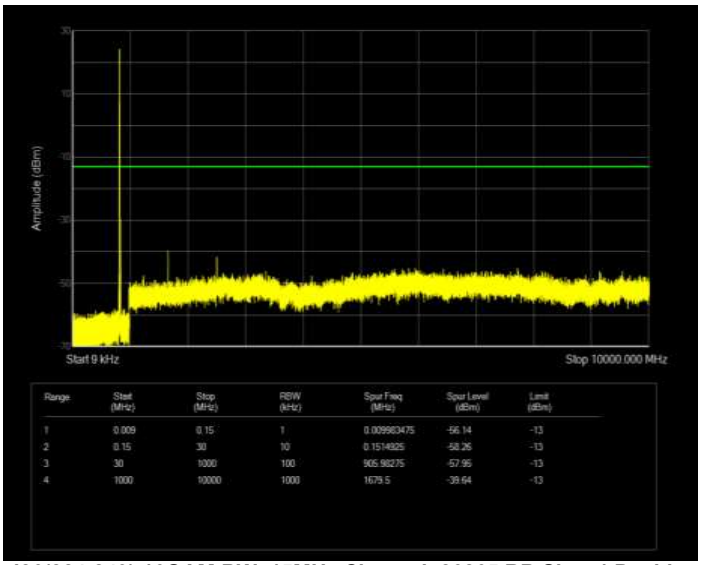
Band26(824-849) 16QAM BW=10MHz Channel=26840 RB Size=1 Position=#0



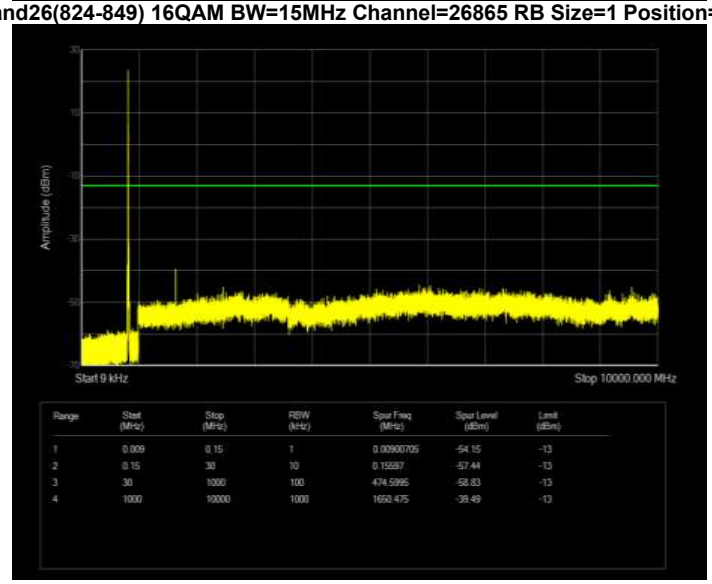
Band26(824-849) 16QAM BW=10MHz Channel=26915 RB Size=1 Position=#0



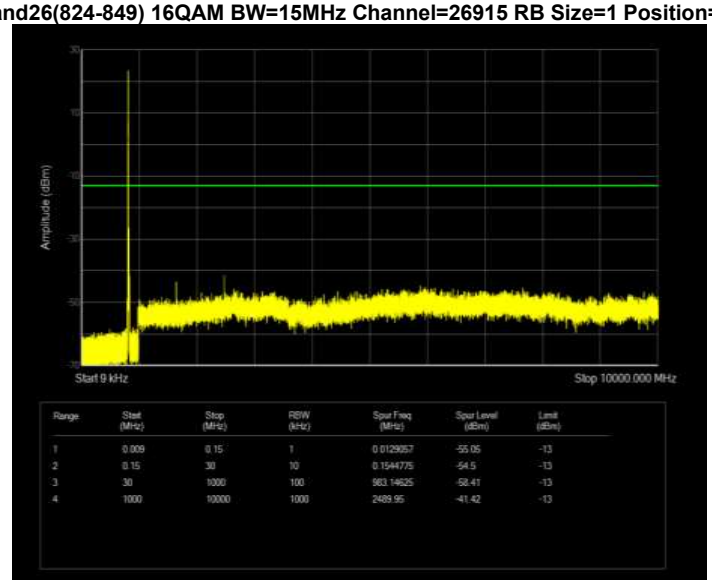
Band26(824-849) 16QAM BW=10MHz Channel=26990 RB Size=1 Position=#0



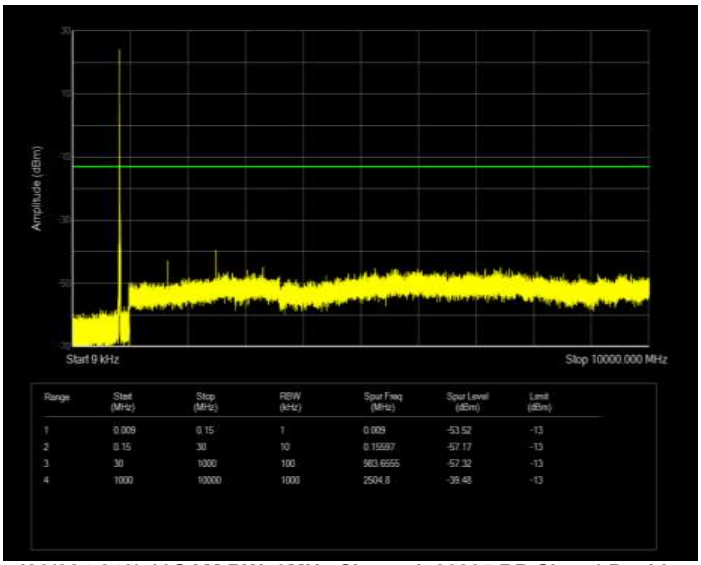
Band26(824-849) 16QAM BW=15MHz Channel=26865 RB Size=1 Position=#0



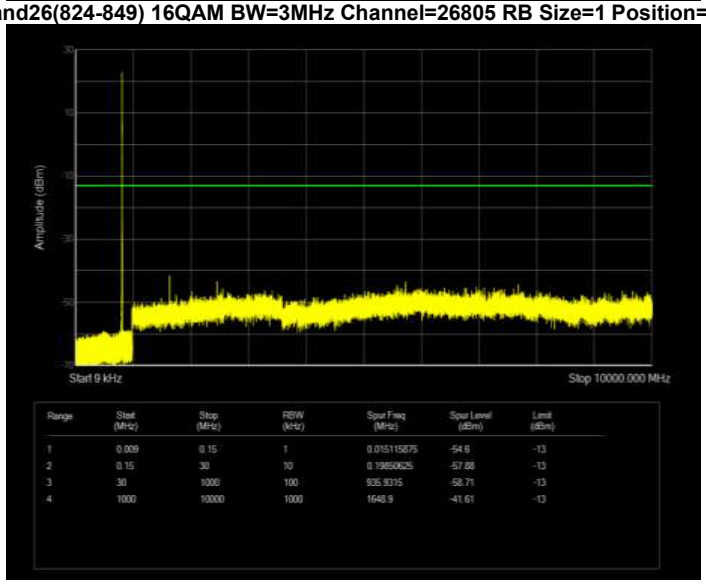
Band26(824-849) 16QAM BW=15MHz Channel=26915 RB Size=1 Position=#0



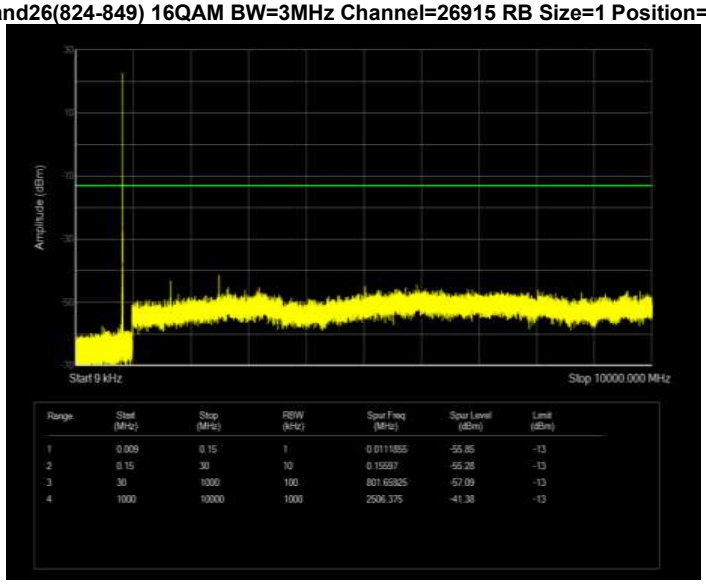
Band26(824-849) 16QAM BW=15MHz Channel=26965 RB Size=1 Position=#0



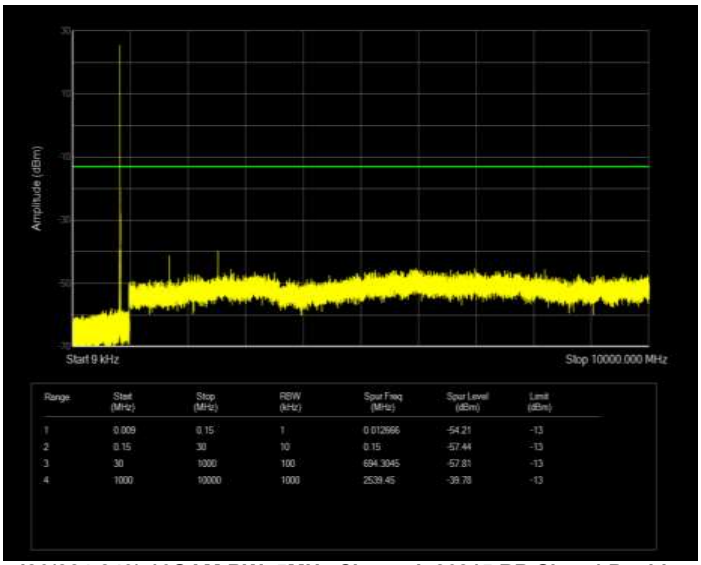
Band26(824-849) 16QAM BW=3MHz Channel=26805 RB Size=1 Position=#0



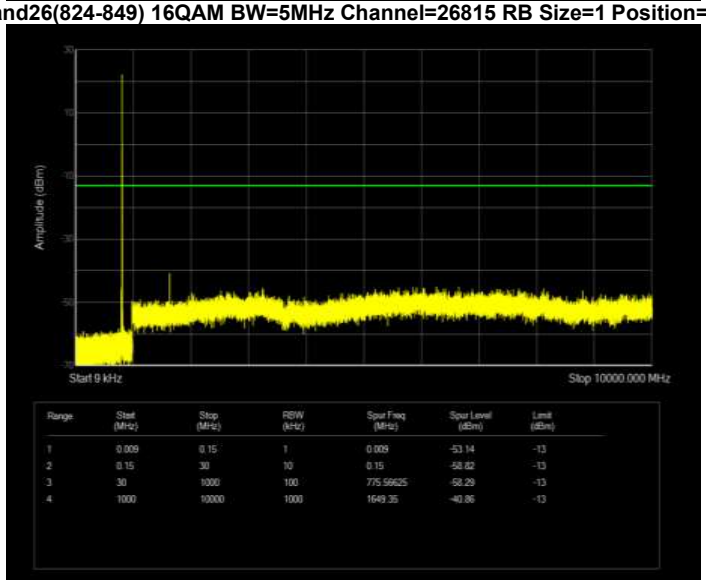
Band26(824-849) 16QAM BW=3MHz Channel=26915 RB Size=1 Position=#0



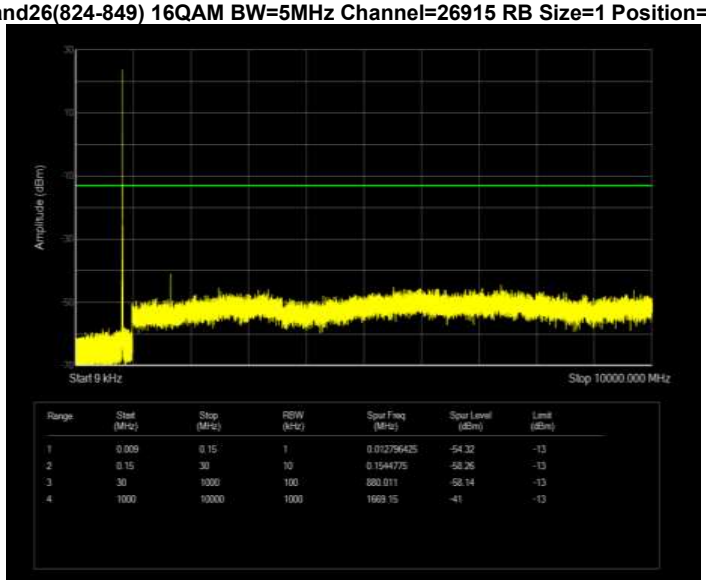
Band26(824-849) 16QAM BW=3MHz Channel=27025 RB Size=1 Position=#0



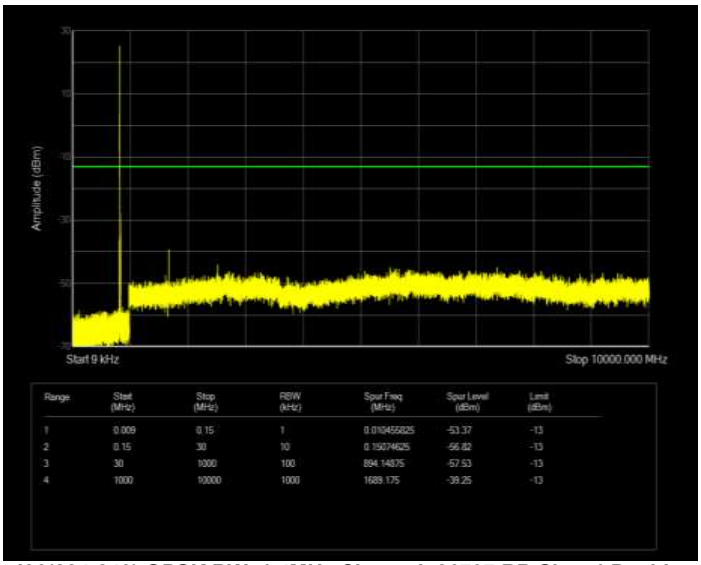
Band26(824-849) 16QAM BW=5MHz Channel=26815 RB Size=1 Position=#0



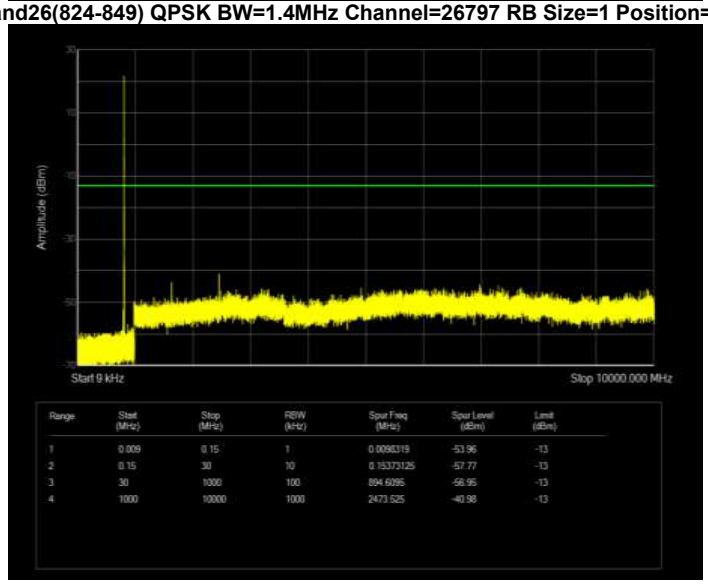
Band26(824-849) 16QAM BW=5MHz Channel=26915 RB Size=1 Position=#0



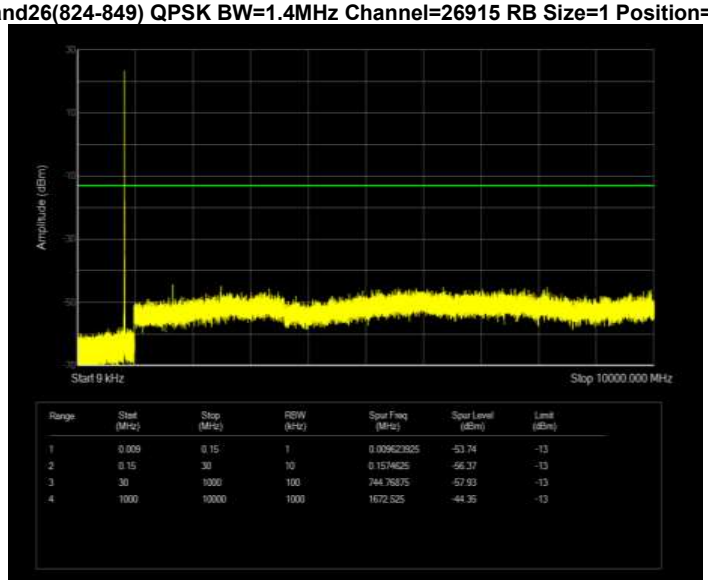
Band26(824-849) 16QAM BW=5MHz Channel=27015 RB Size=1 Position=#0



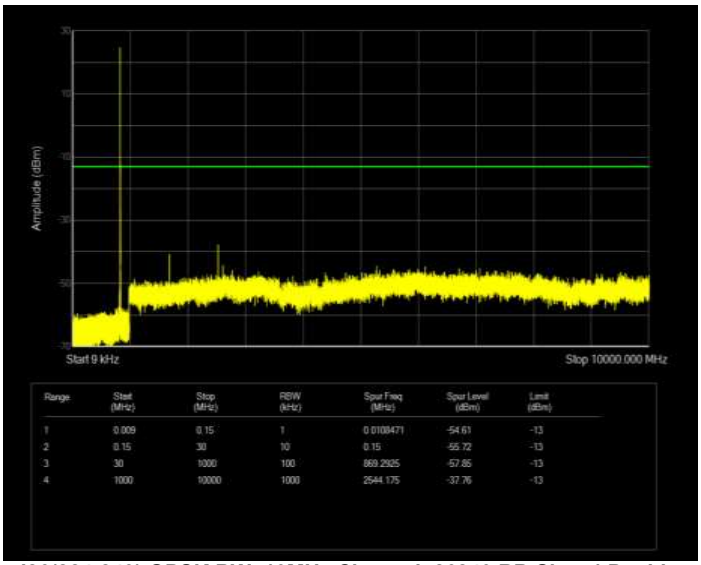
Band26(824-849) QPSK BW=1.4MHz Channel=26797 RB Size=1 Position=#0



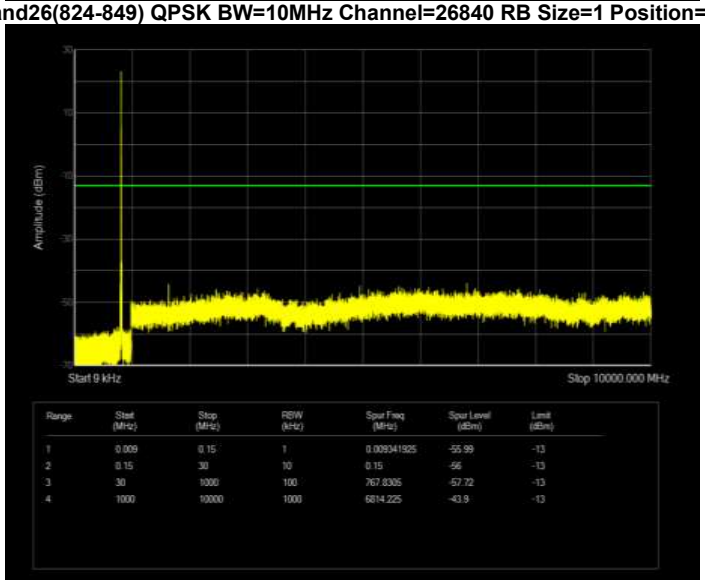
Band26(824-849) QPSK BW=1.4MHz Channel=26915 RB Size=1 Position=#0



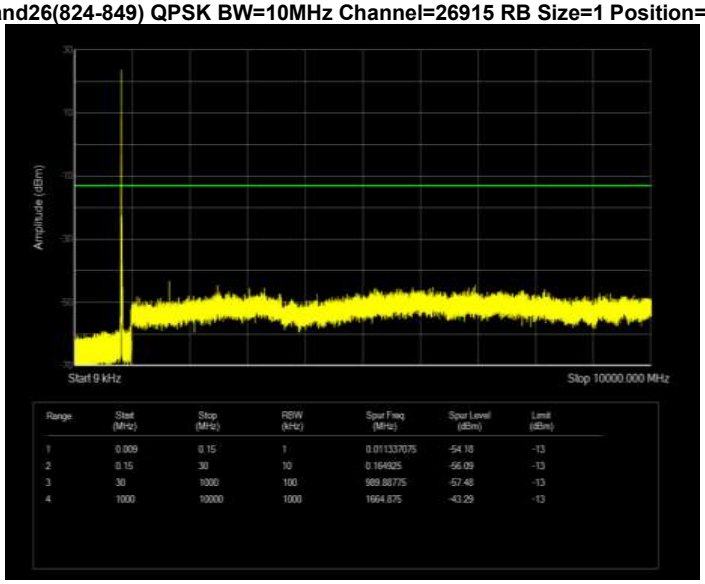
Band26(824-849) QPSK BW=1.4MHz Channel=27033 RB Size=1 Position=#0



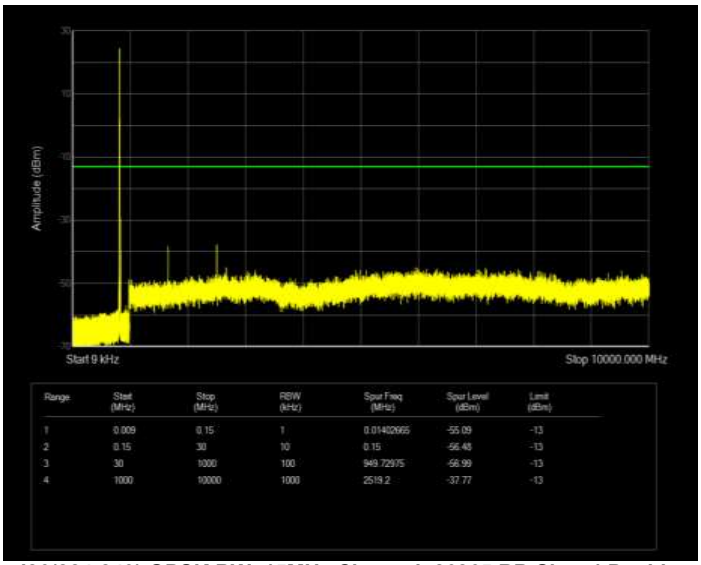
Band26(824-849) QPSK BW=10MHz Channel=26840 RB Size=1 Position=#0



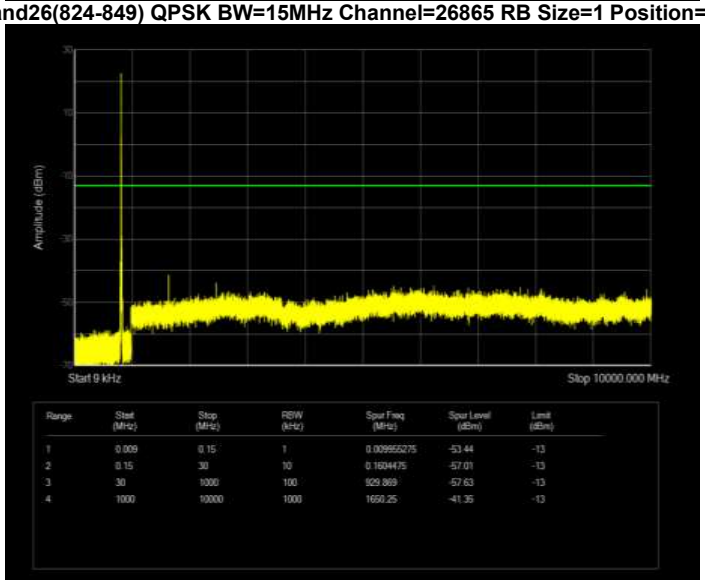
Band26(824-849) QPSK BW=10MHz Channel=26915 RB Size=1 Position=#0



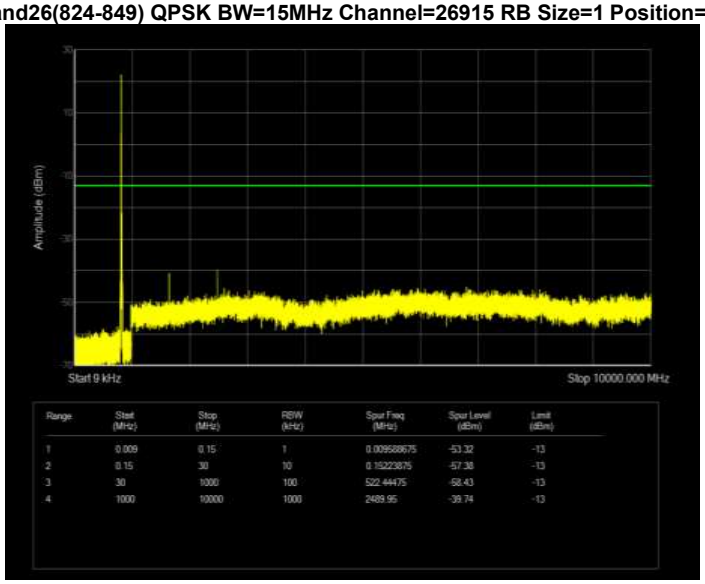
Band26(824-849) QPSK BW=10MHz Channel=26990 RB Size=1 Position=#0



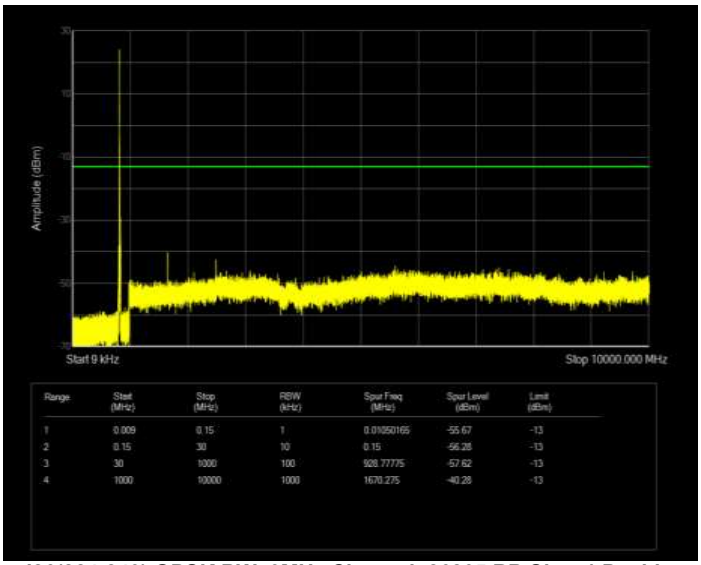
Band26(824-849) QPSK BW=15MHz Channel=26865 RB Size=1 Position=#0



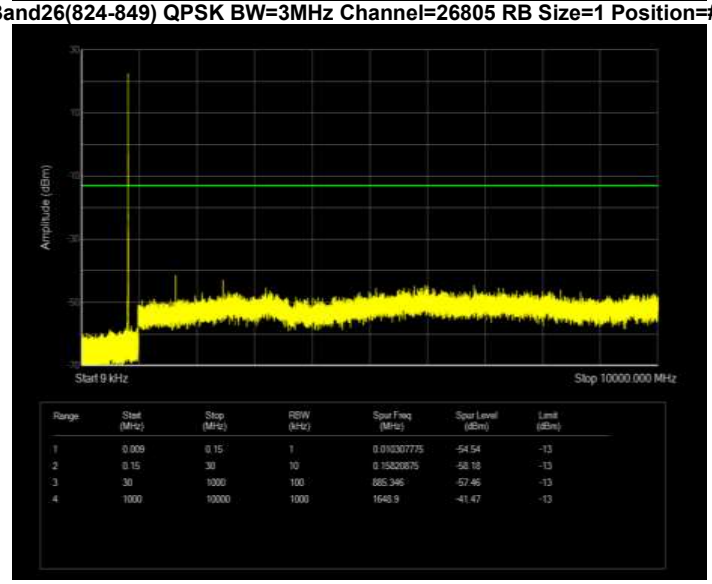
Band26(824-849) QPSK BW=15MHz Channel=26915 RB Size=1 Position=#0



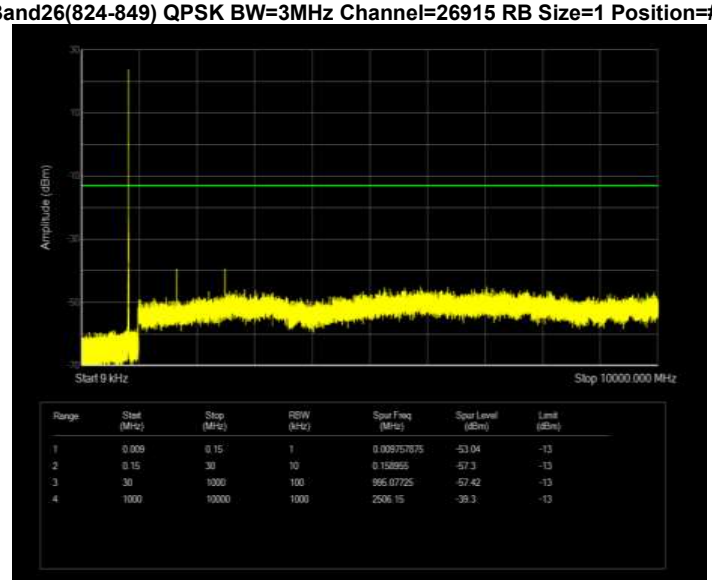
Band26(824-849) QPSK BW=15MHz Channel=26965 RB Size=1 Position=#0



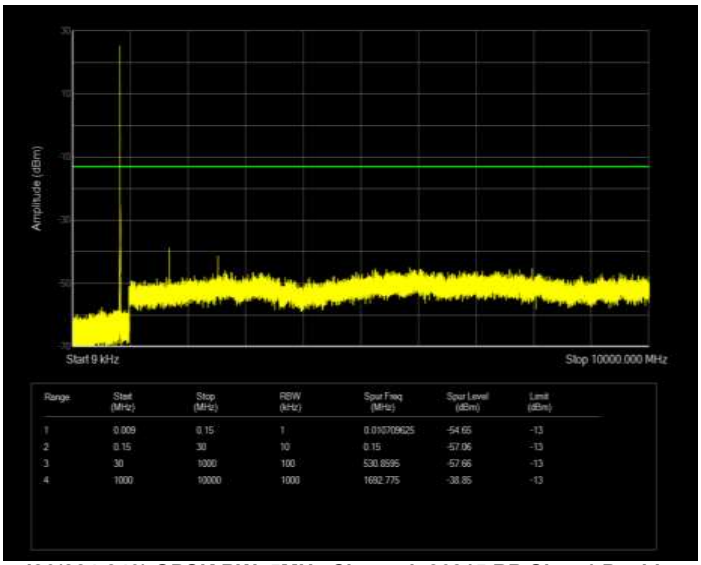
Band26(824-849) QPSK BW=3MHz Channel=26805 RB Size=1 Position=#0



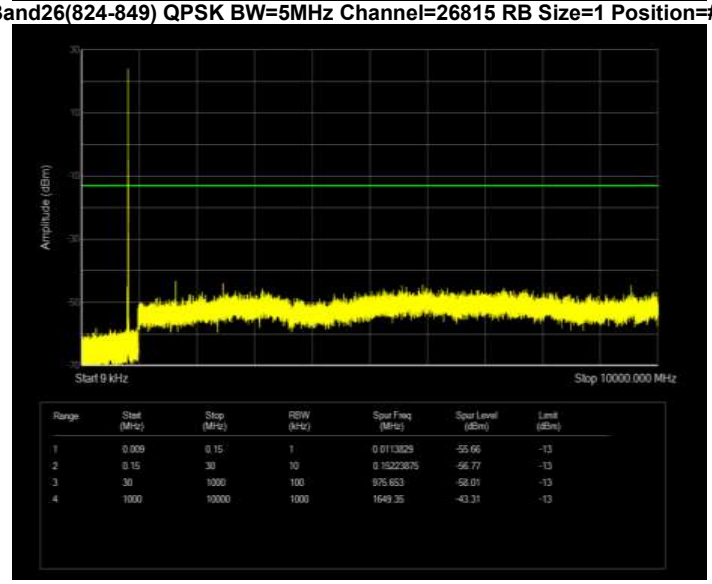
Band26(824-849) QPSK BW=3MHz Channel=26915 RB Size=1 Position=#0



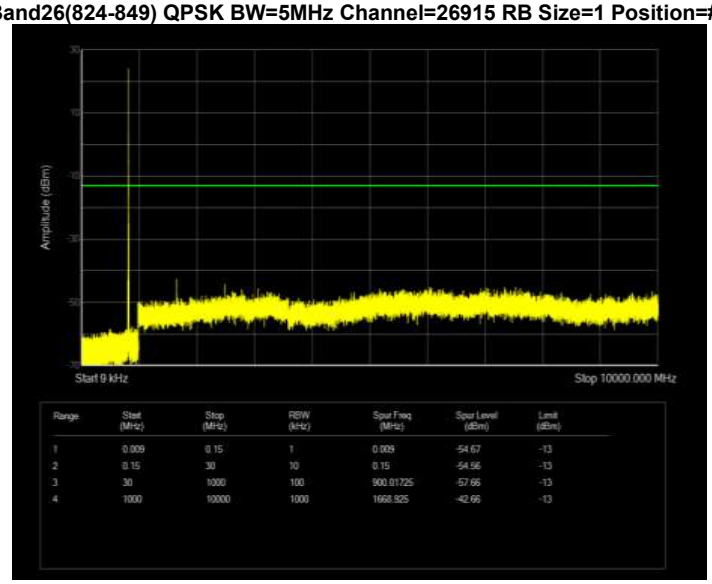
Band26(824-849) QPSK BW=3MHz Channel=27025 RB Size=1 Position=#0



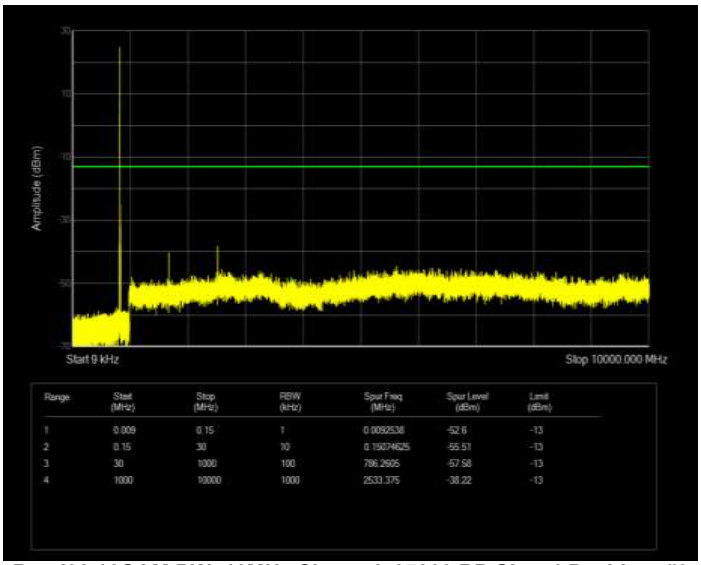
Band26(824-849) QPSK BW=5MHz Channel=26815 RB Size=1 Position=#0



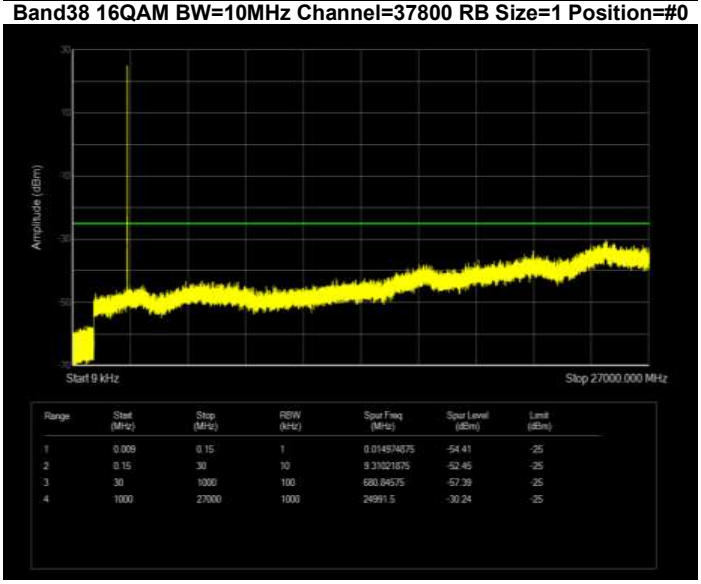
Band26(824-849) QPSK BW=5MHz Channel=26915 RB Size=1 Position=#0



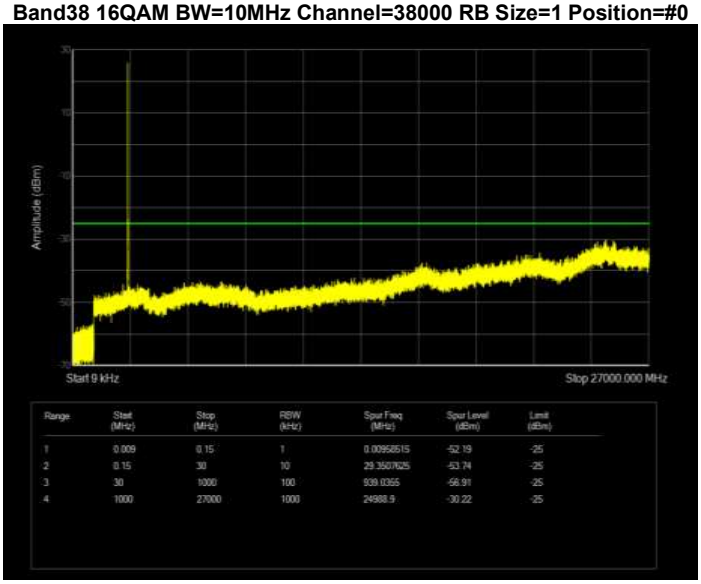
Band26(824-849) QPSK BW=5MHz Channel=27015 RB Size=1 Position=#0



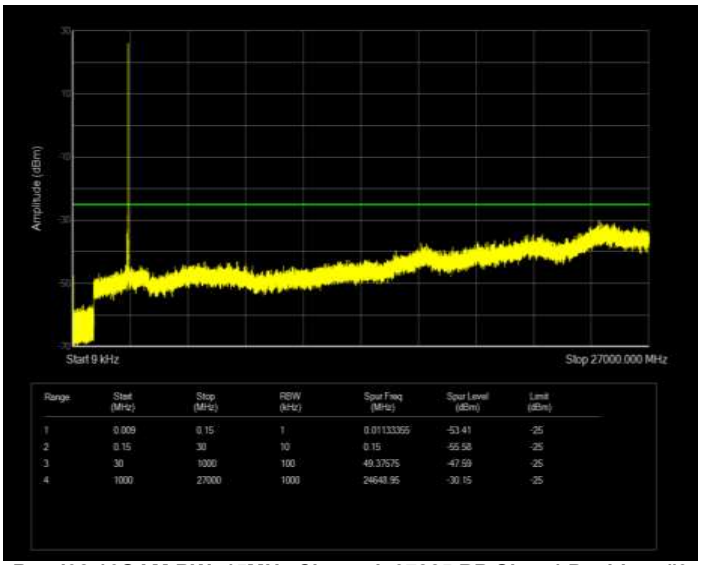
Band38 16QAM BW=10MHz Channel=37800 RB Size=1 Position=#0



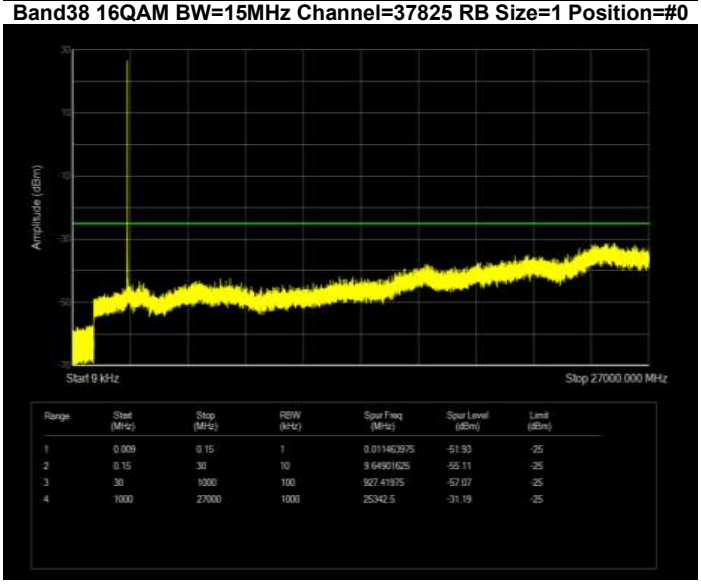
Band38 16QAM BW=10MHz Channel=38000 RB Size=1 Position=#0



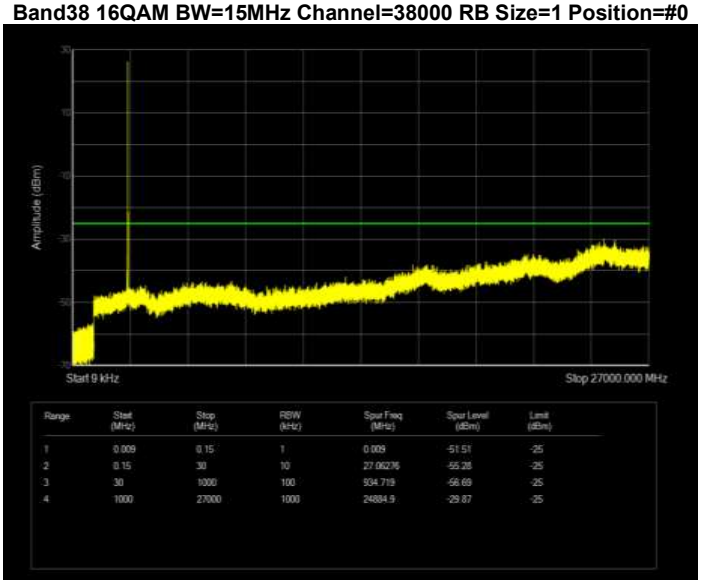
Band38 16QAM BW=10MHz Channel=38200 RB Size=1 Position=#0



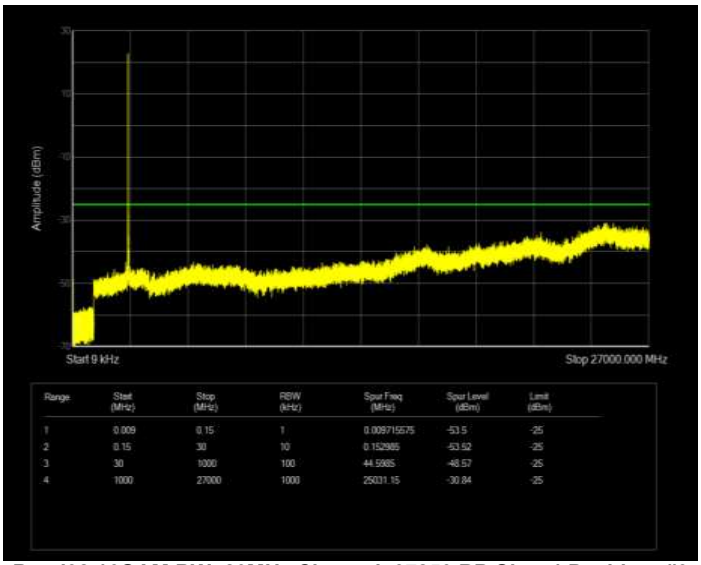
Band38 16QAM BW=15MHz Channel=37825 RB Size=1 Position=#0



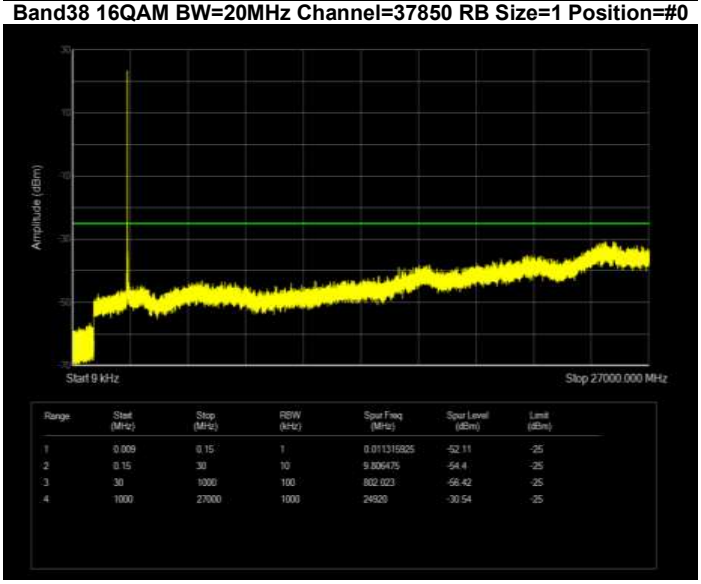
Band38 16QAM BW=15MHz Channel=38000 RB Size=1 Position=#0



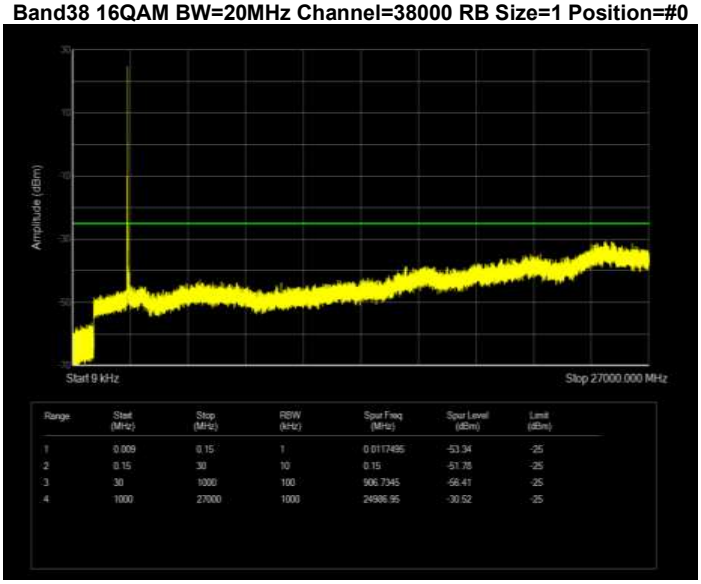
Band38 16QAM BW=15MHz Channel=38175 RB Size=1 Position=#0



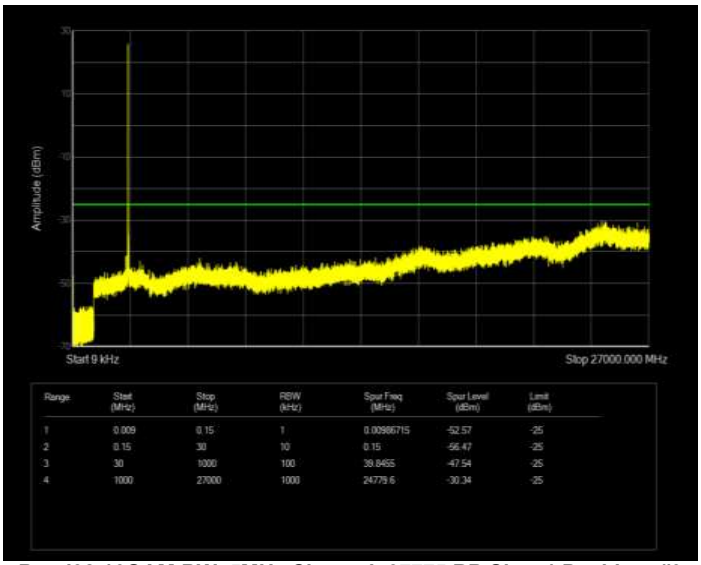
Band38 16QAM BW=20MHz Channel=37850 RB Size=1 Position=#0



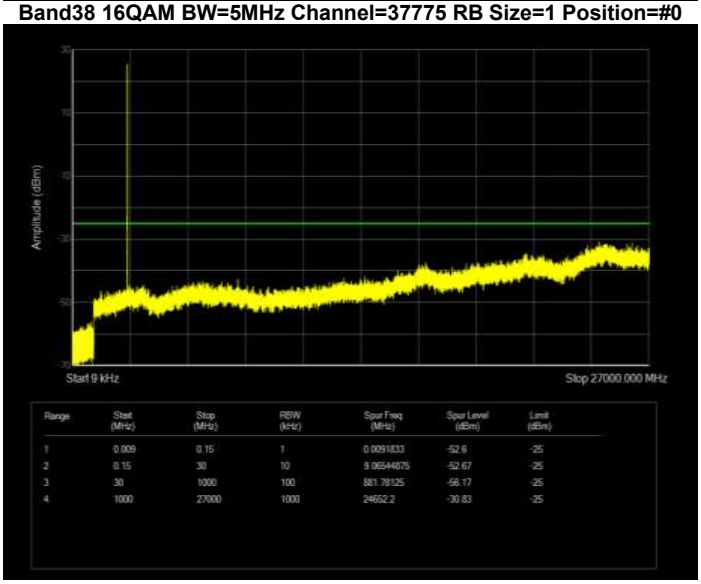
Band38 16QAM BW=20MHz Channel=38000 RB Size=1 Position=#0



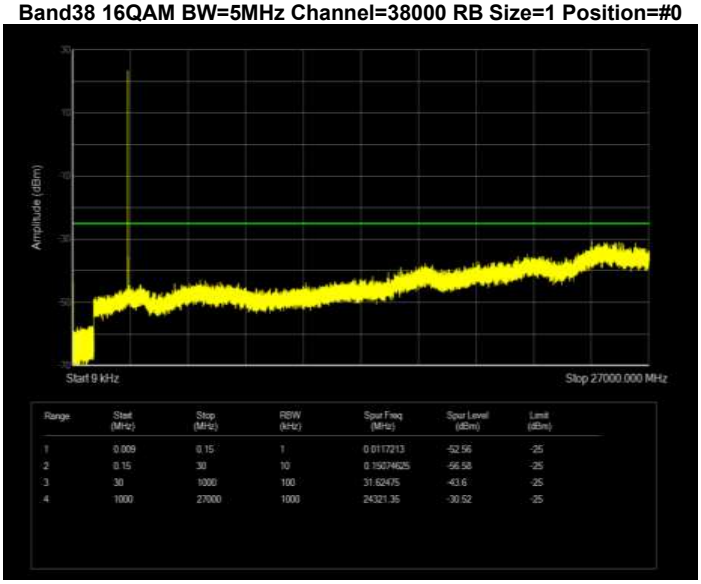
Band38 16QAM BW=20MHz Channel=38150 RB Size=1 Position=#0



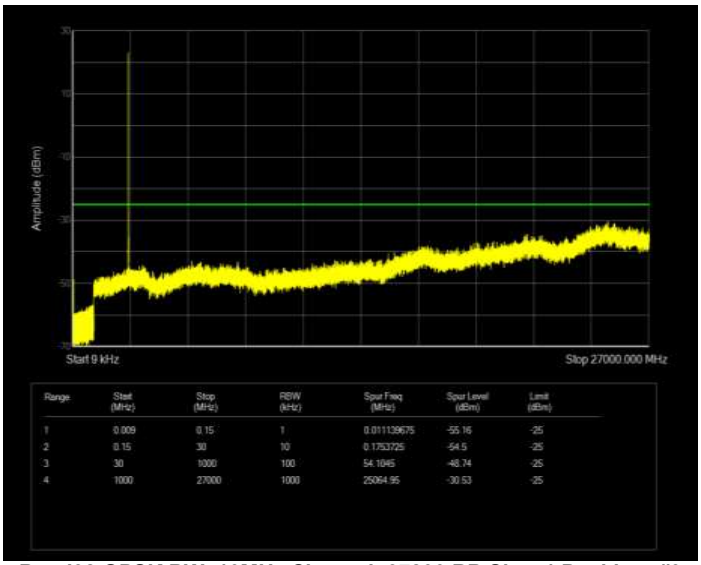
Band38 16QAM BW=5MHz Channel=37775 RB Size=1 Position=#0



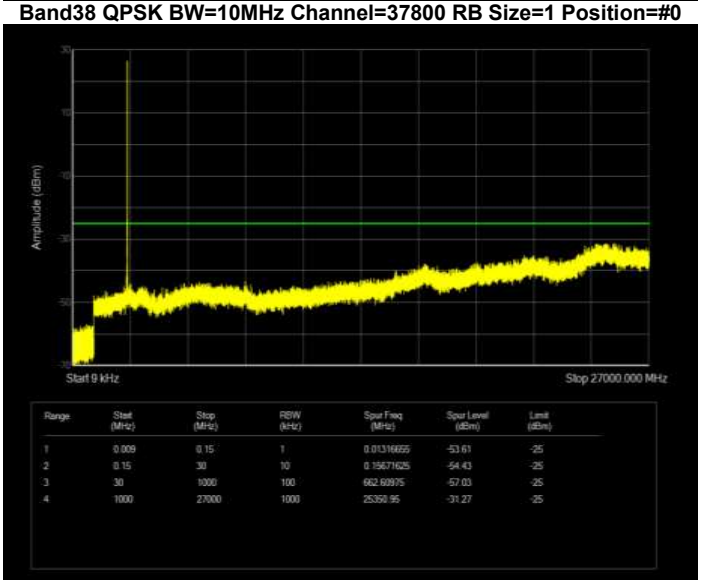
Band38 16QAM BW=5MHz Channel=38000 RB Size=1 Position=#0



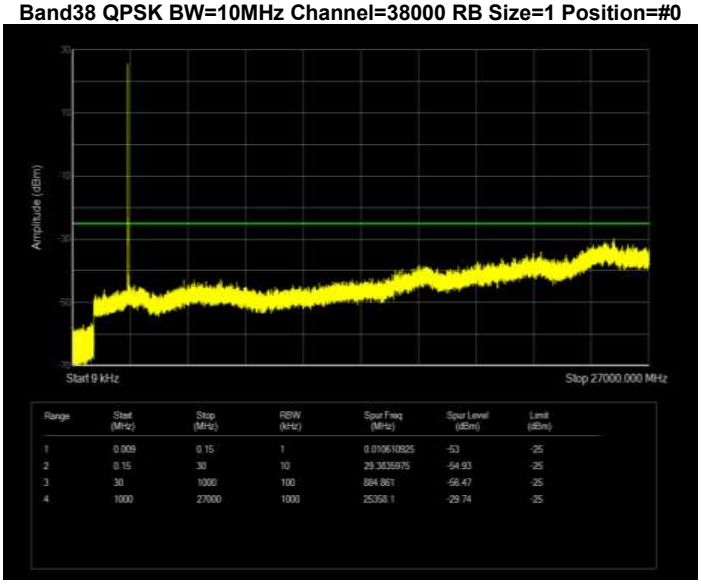
Band38 16QAM BW=5MHz Channel=38225 RB Size=1 Position=#0



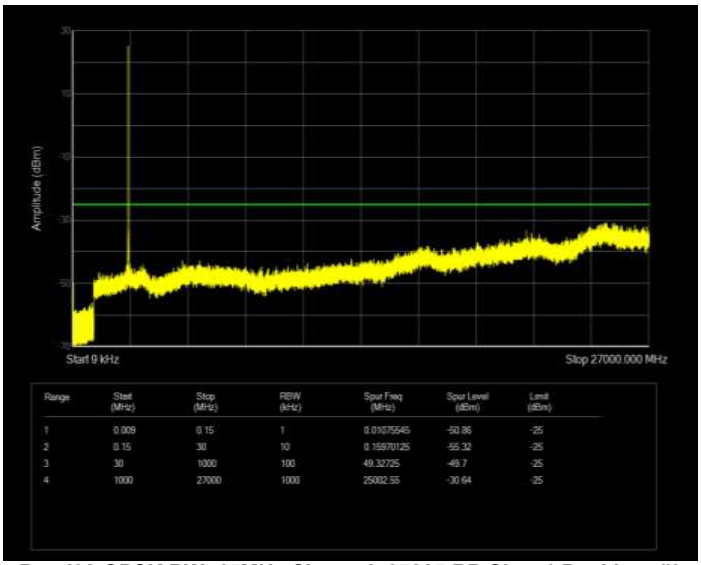
Band38 QPSK BW=10MHz Channel=37800 RB Size=1 Position=#0



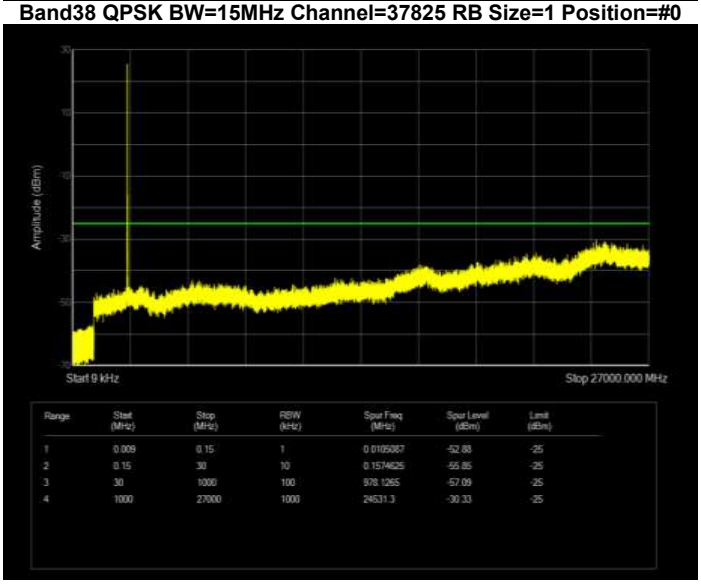
Band38 QPSK BW=10MHz Channel=38000 RB Size=1 Position=#0



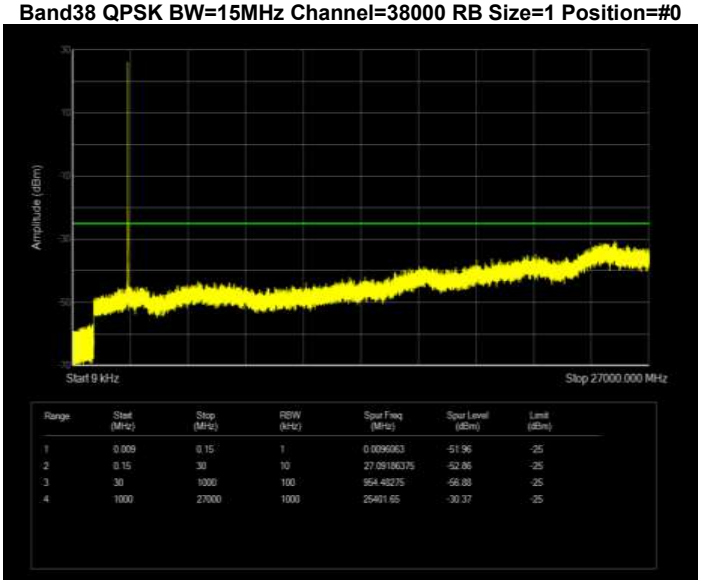
Band38 QPSK BW=10MHz Channel=38200 RB Size=1 Position=#0



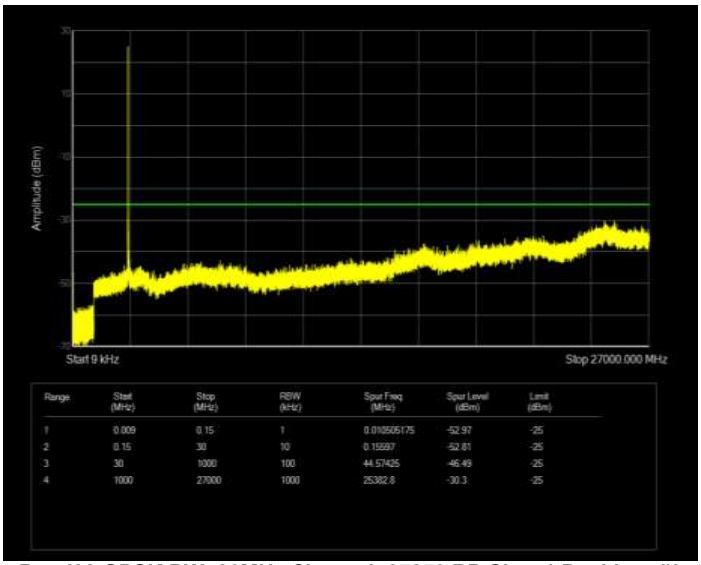
Band38 QPSK BW=15MHz Channel=37825 RB Size=1 Position=#0



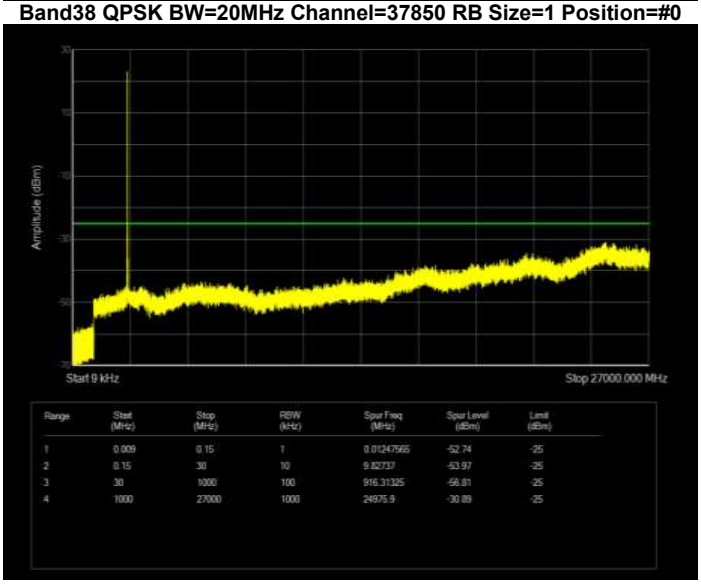
Band38 QPSK BW=15MHz Channel=38000 RB Size=1 Position=#0



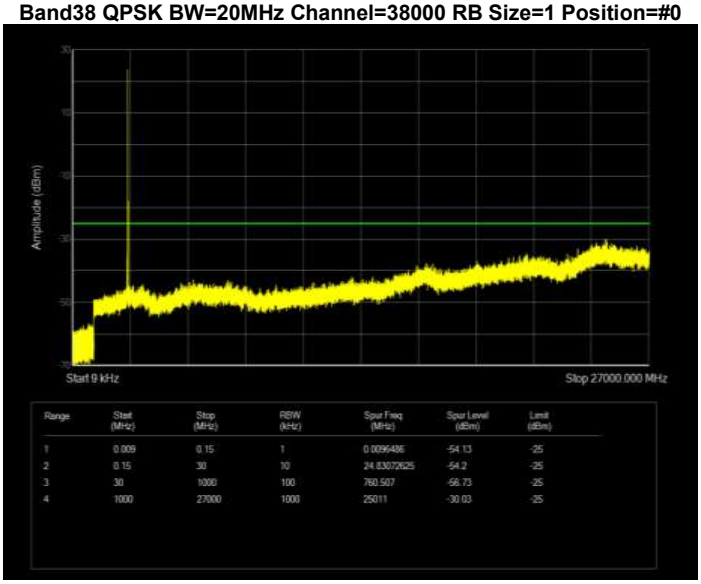
Band38 QPSK BW=15MHz Channel=38175 RB Size=1 Position=#0



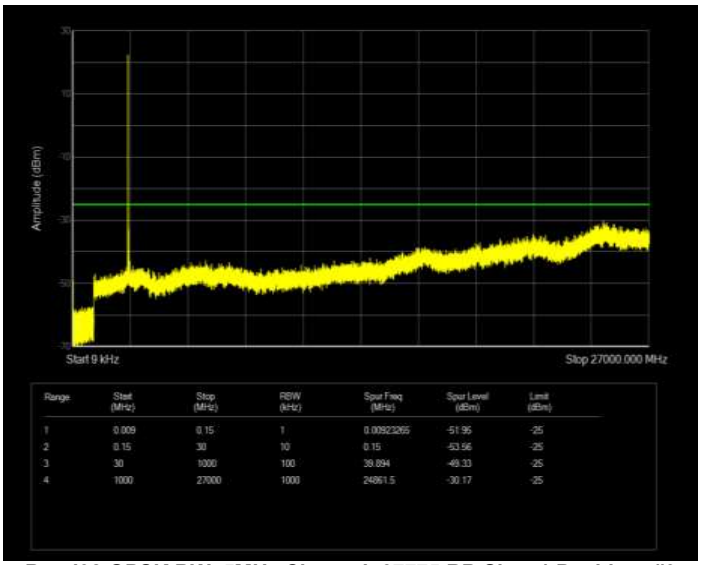
Band38 QPSK BW=20MHz Channel=37850 RB Size=1 Position=#0



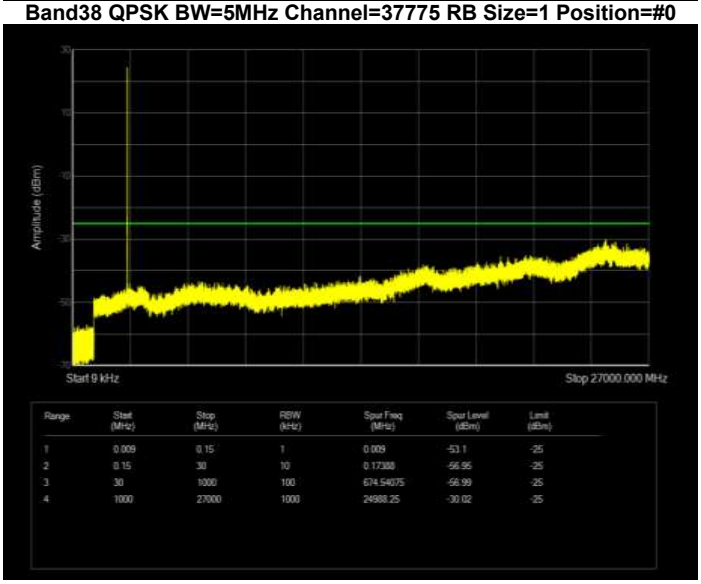
Band38 QPSK BW=20MHz Channel=38000 RB Size=1 Position=#0



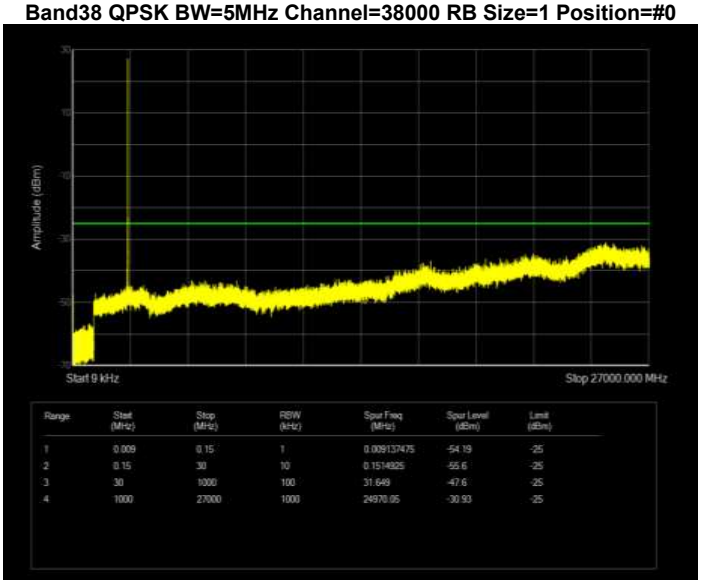
Band38 QPSK BW=20MHz Channel=38150 RB Size=1 Position=#0



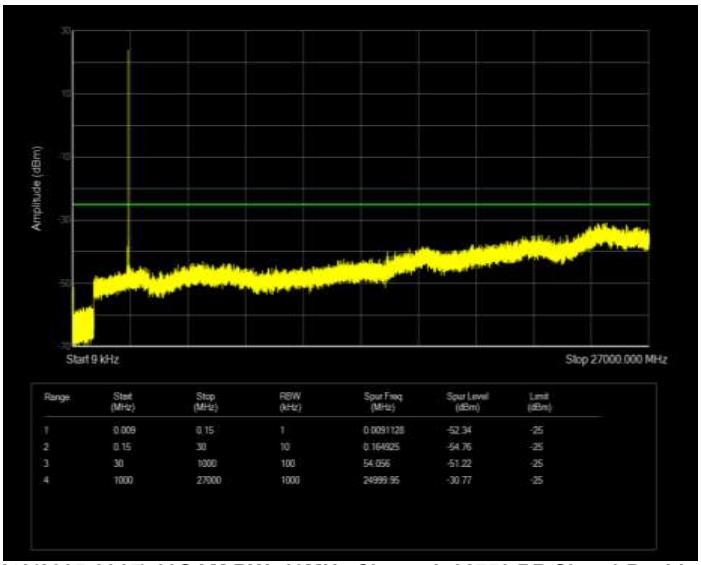
Band38 QPSK BW=5MHz Channel=37775 RB Size=1 Position=#0



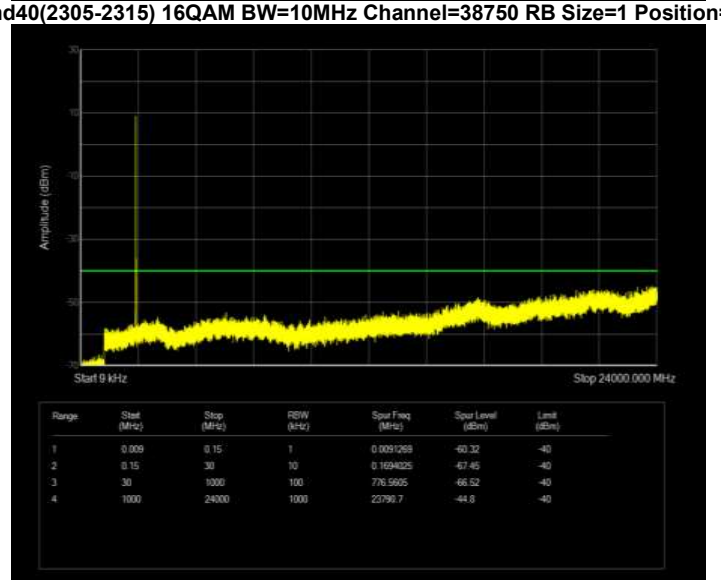
Band38 QPSK BW=5MHz Channel=38000 RB Size=1 Position=#0



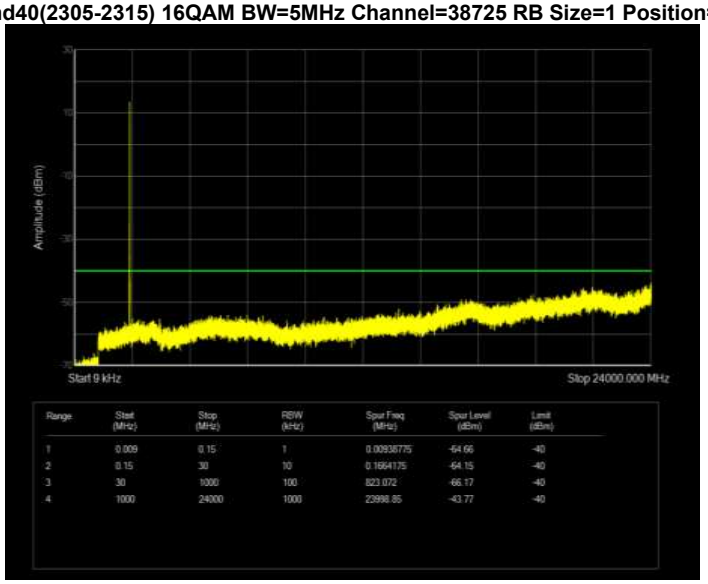
Band38 QPSK BW=5MHz Channel=38225 RB Size=1 Position=#0



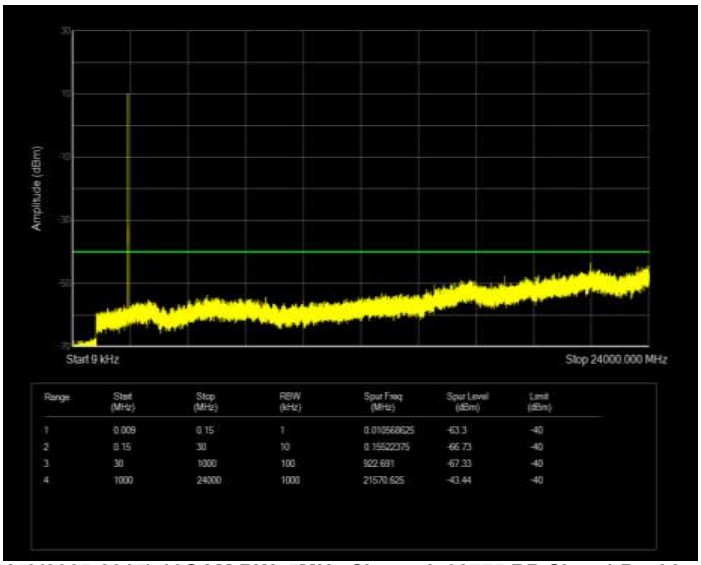
Band40(2305-2315) 16QAM BW=10MHz Channel=38750 RB Size=1 Position=#0



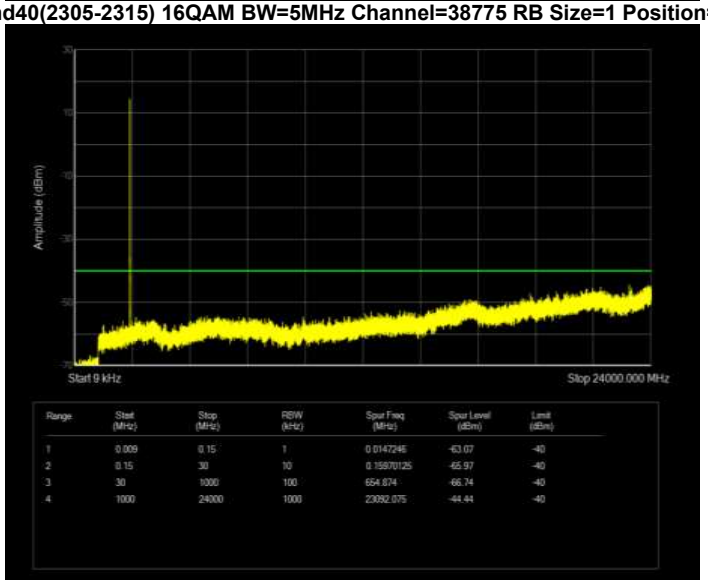
Band40(2305-2315) 16QAM BW=5MHz Channel=38725 RB Size=1 Position=#0



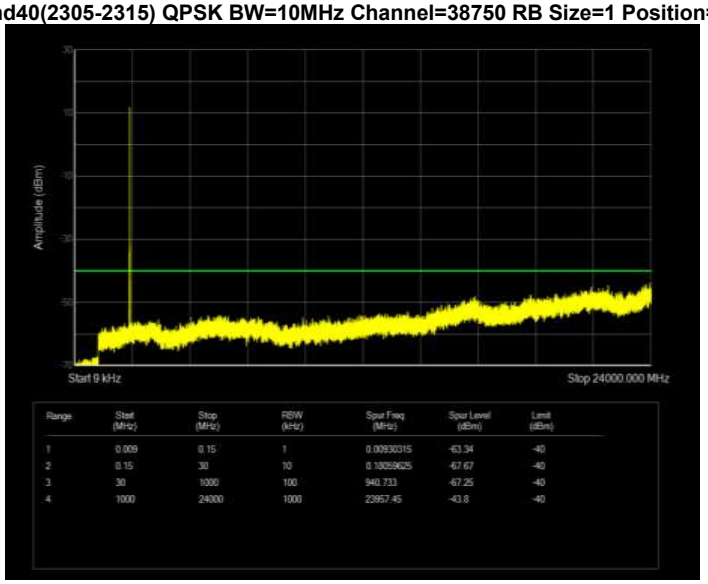
Band40(2305-2315) 16QAM BW=5MHz Channel=38750 RB Size=1 Position=#0



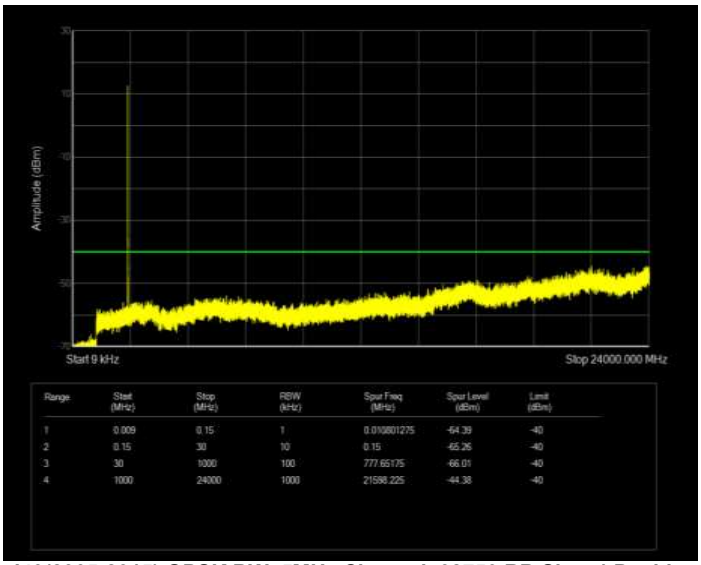
Band40(2305-2315) 16QAM BW=5MHz Channel=38775 RB Size=1 Position=#0



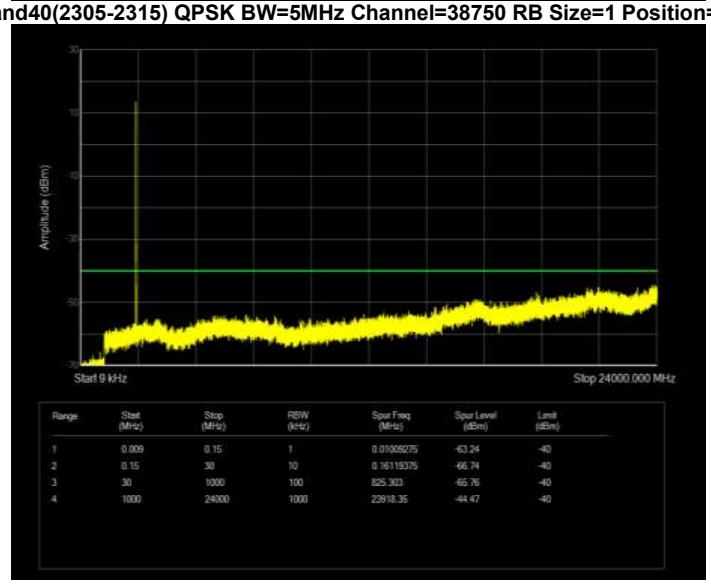
Band40(2305-2315) QPSK BW=10MHz Channel=38750 RB Size=1 Position=#0



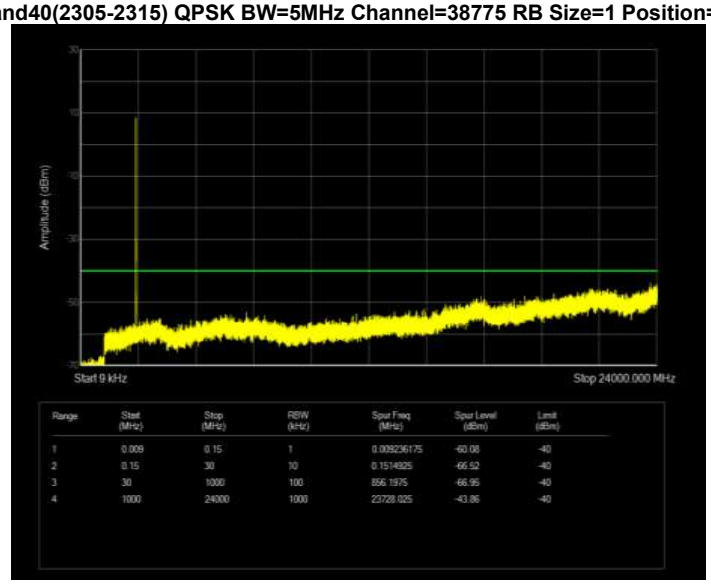
Band40(2305-2315) QPSK BW=5MHz Channel=38725 RB Size=1 Position=#0



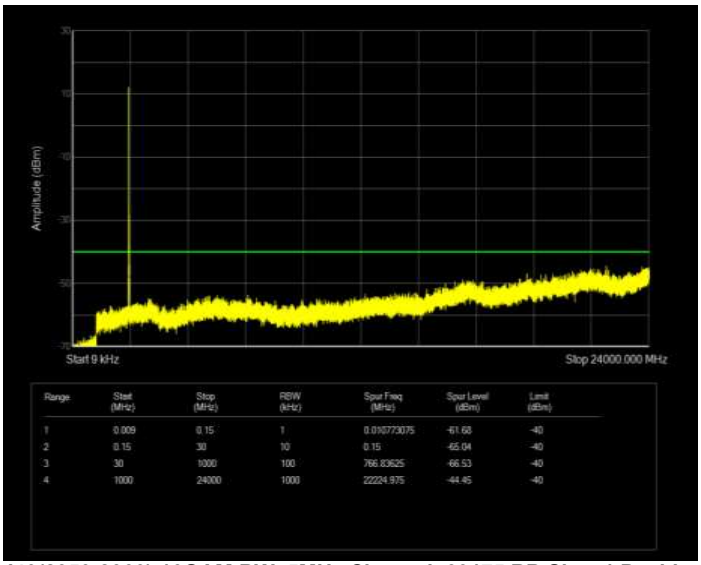
Band40(2305-2315) QPSK BW=5MHz Channel=38750 RB Size=1 Position=#0



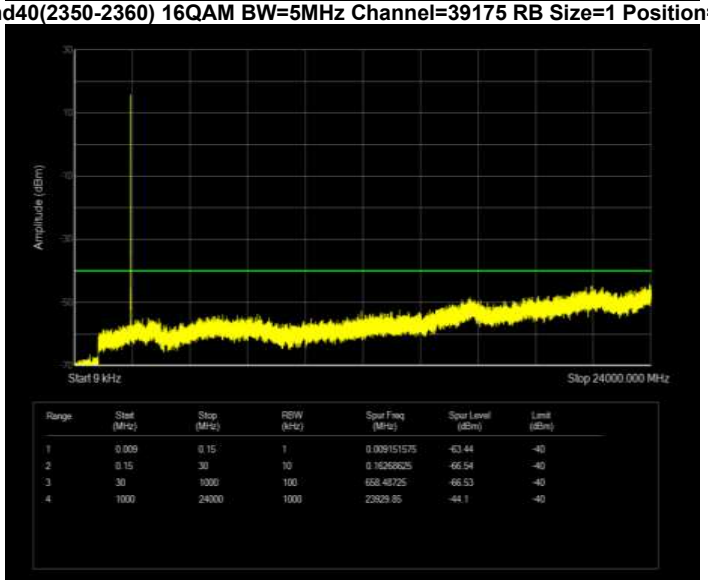
Band40(2305-2315) QPSK BW=5MHz Channel=38775 RB Size=1 Position=#0



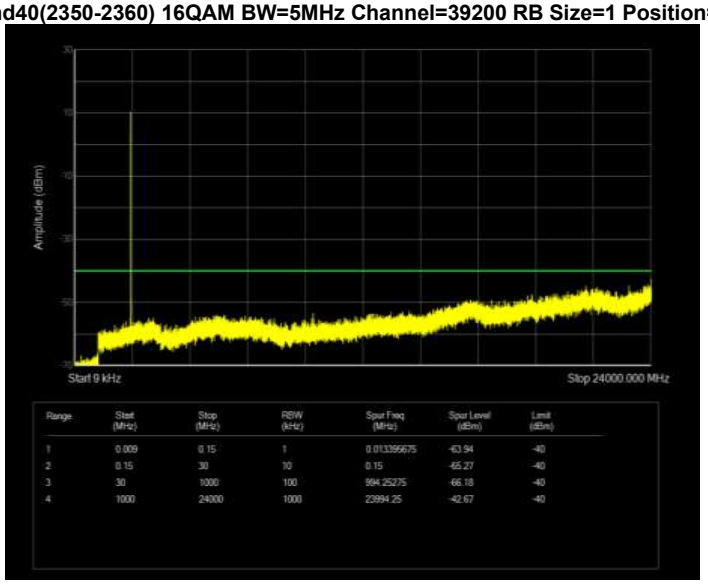
Band40(2350-2360) 16QAM BW=10MHz Channel=39200 RB Size=1 Position=#0



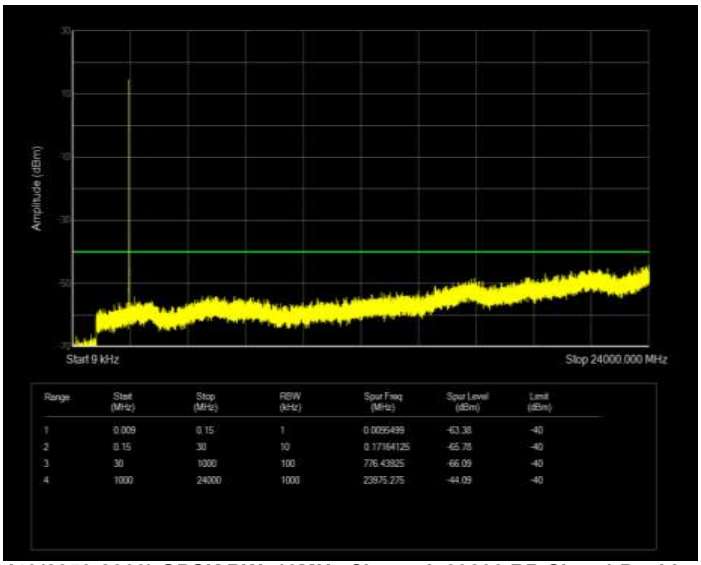
Band40(2350-2360) 16QAM BW=5MHz Channel=39175 RB Size=1 Position=#0



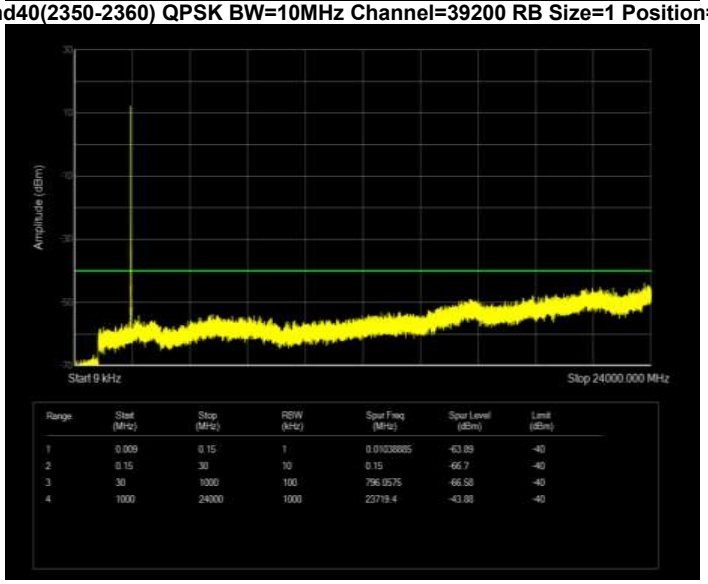
Band40(2350-2360) 16QAM BW=5MHz Channel=39200 RB Size=1 Position=#0



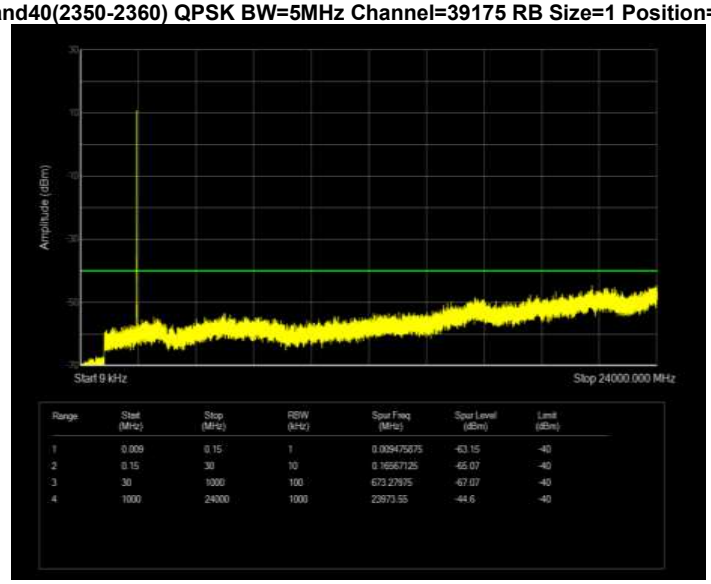
Band40(2350-2360) 16QAM BW=5MHz Channel=39225 RB Size=1 Position=#0



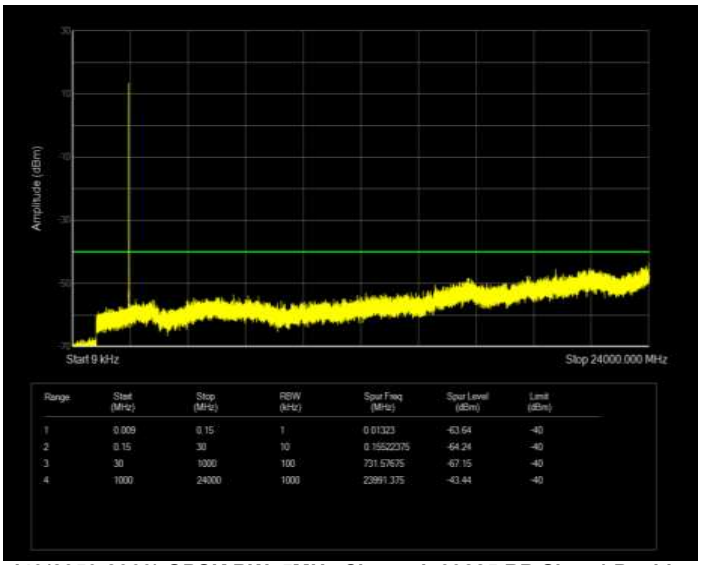
Band40(2350-2360) QPSK BW=10MHz Channel=39200 RB Size=1 Position=#0



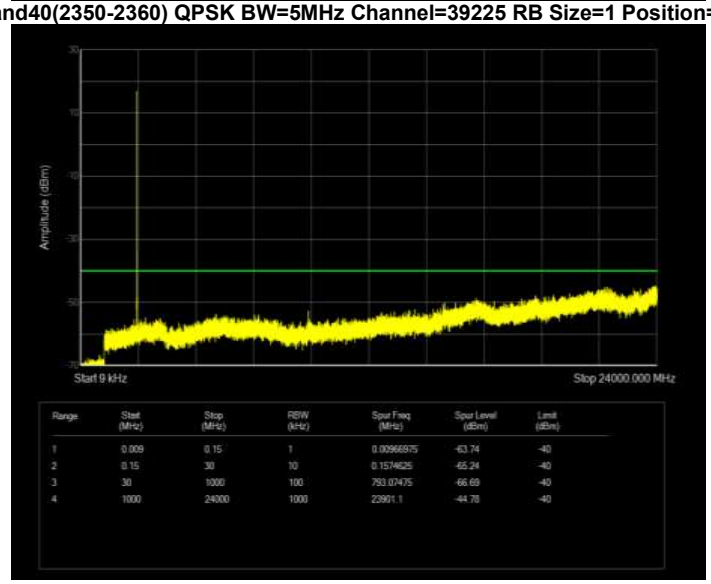
Band40(2350-2360) QPSK BW=5MHz Channel=39175 RB Size=1 Position=#0



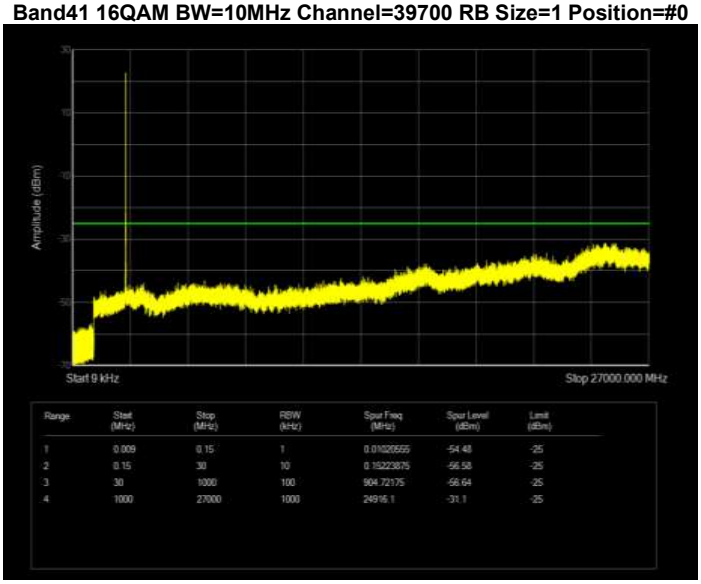
Band40(2350-2360) QPSK BW=5MHz Channel=39200 RB Size=1 Position=#0



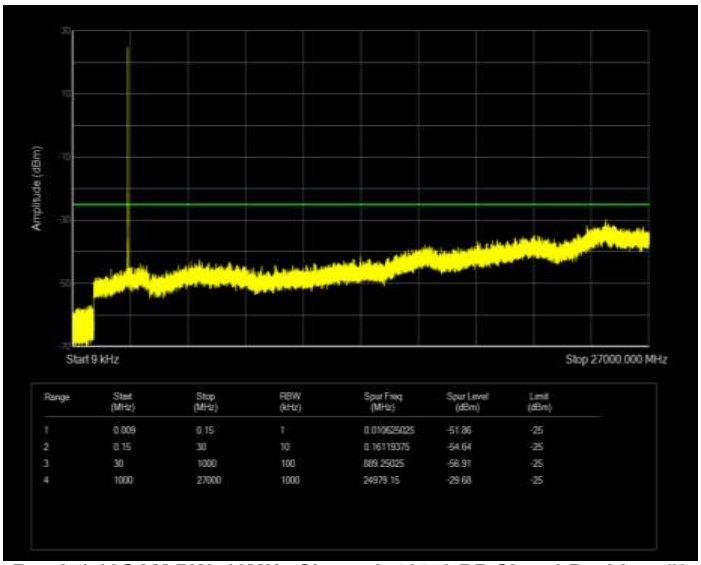
Band40(2350-2360) QPSK BW=5MHz Channel=39225 RB Size=1 Position=#0



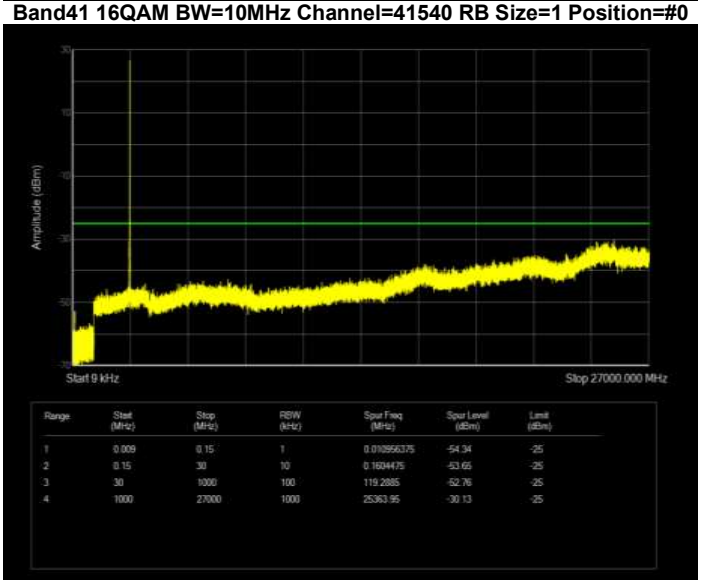
Band41 16QAM BW=10MHz Channel=39700 RB Size=1 Position=#0



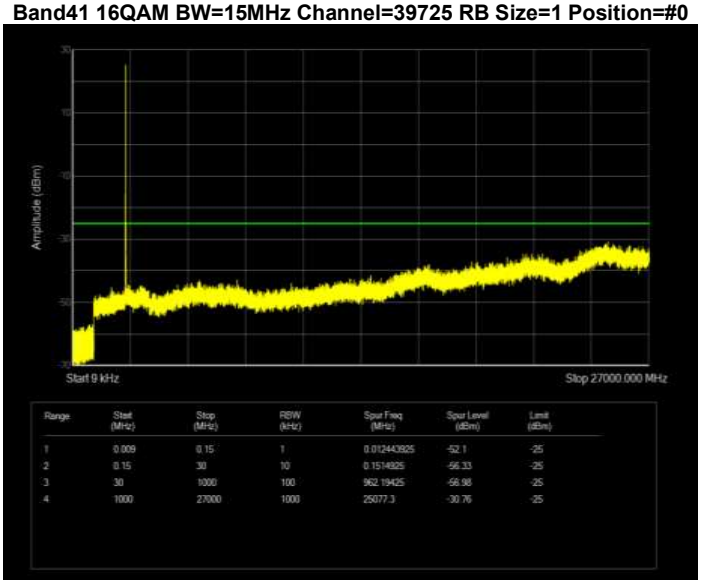
Band41 16QAM BW=10MHz Channel=40620 RB Size=1 Position=#0



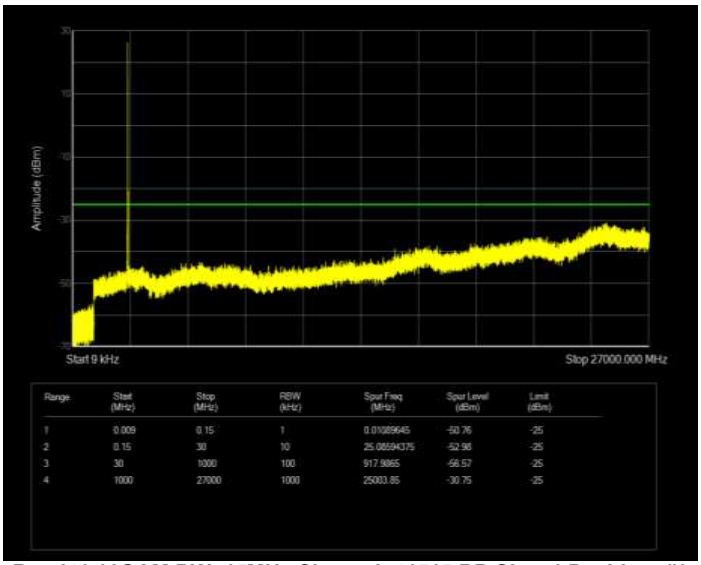
Band41 16QAM BW=10MHz Channel=41540 RB Size=1 Position=#0



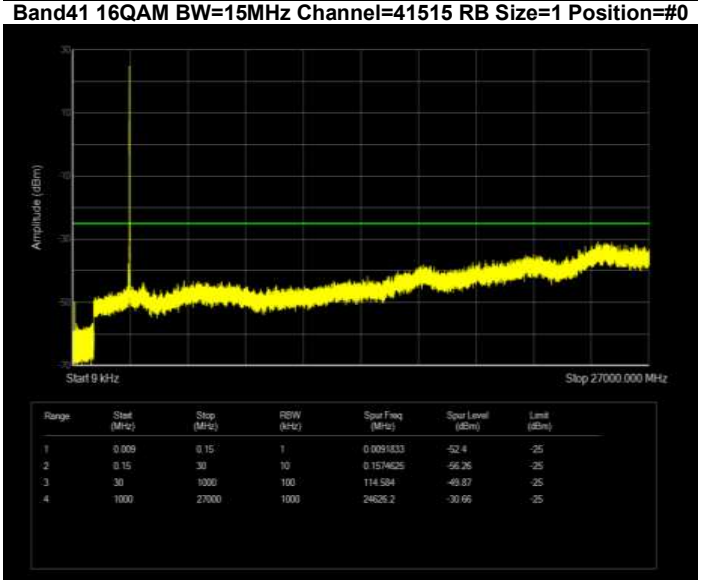
Band41 16QAM BW=15MHz Channel=39725 RB Size=1 Position=#0



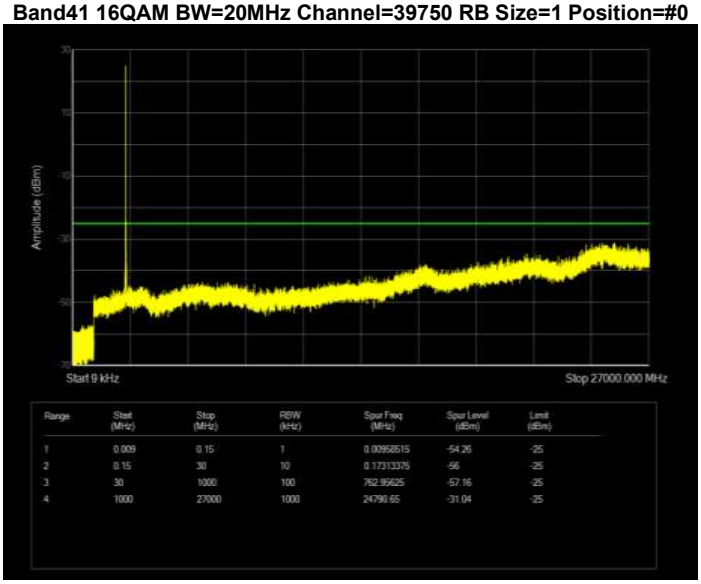
Band41 16QAM BW=15MHz Channel=40620 RB Size=1 Position=#0



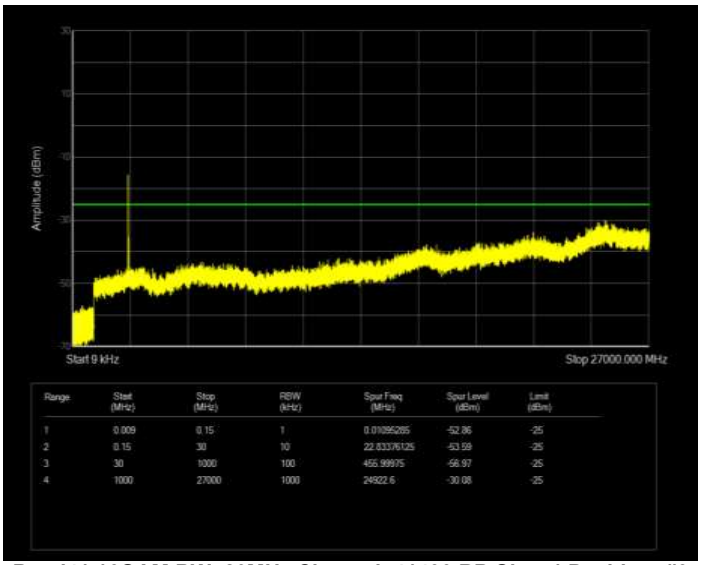
Band41 16QAM BW=15MHz Channel=41515 RB Size=1 Position=#0



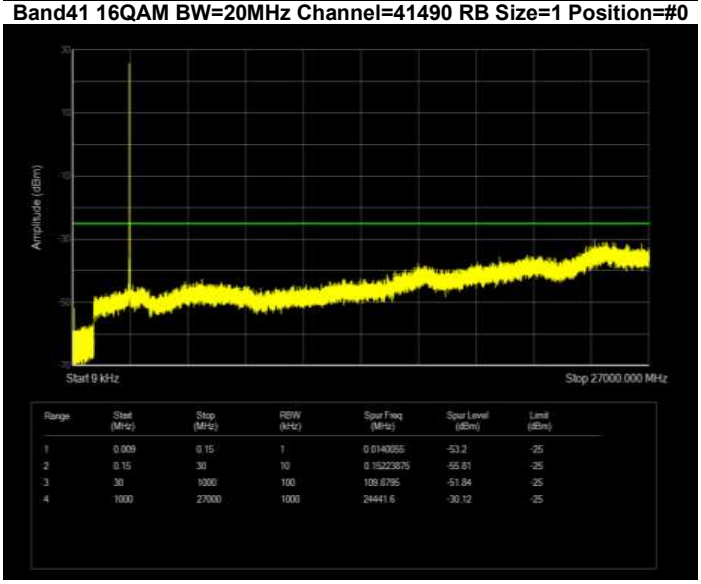
Band41 16QAM BW=20MHz Channel=39750 RB Size=1 Position=#0



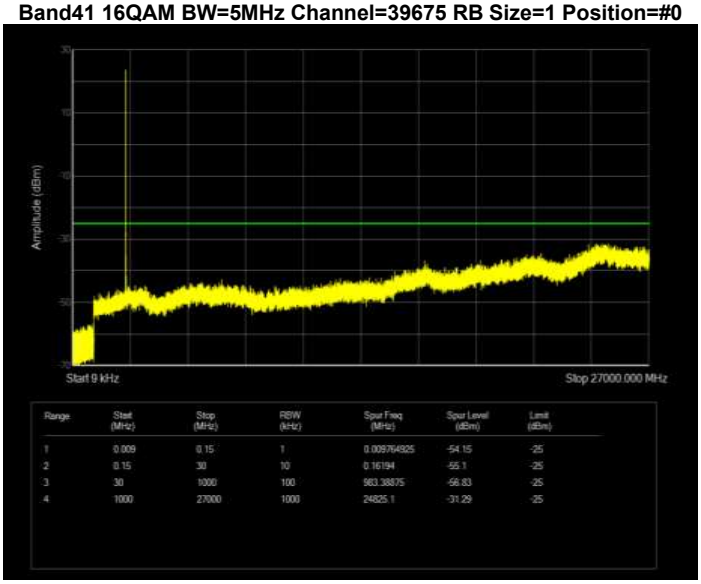
Band41 16QAM BW=20MHz Channel=40620 RB Size=1 Position=#0



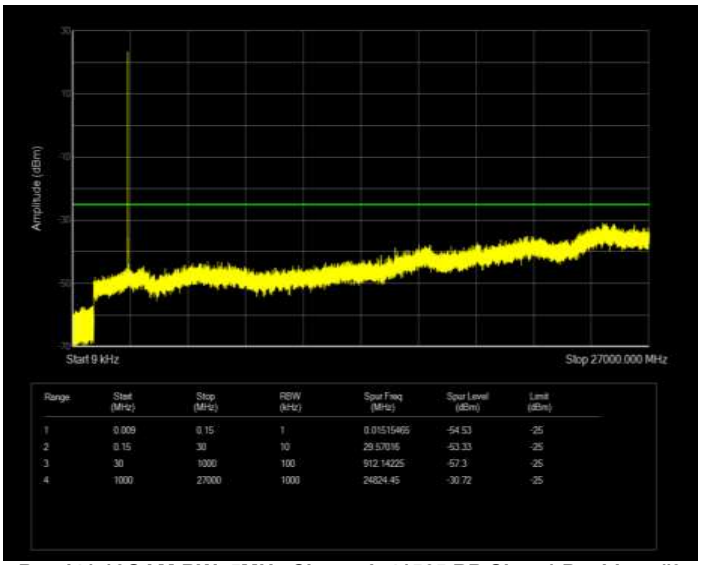
Band41 16QAM BW=20MHz Channel=41490 RB Size=1 Position=#0



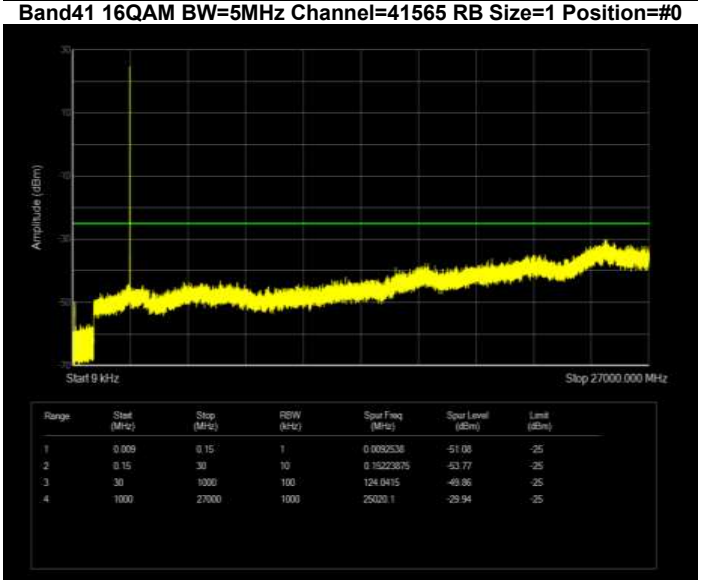
Band41 16QAM BW=5MHz Channel=39675 RB Size=1 Position=#0



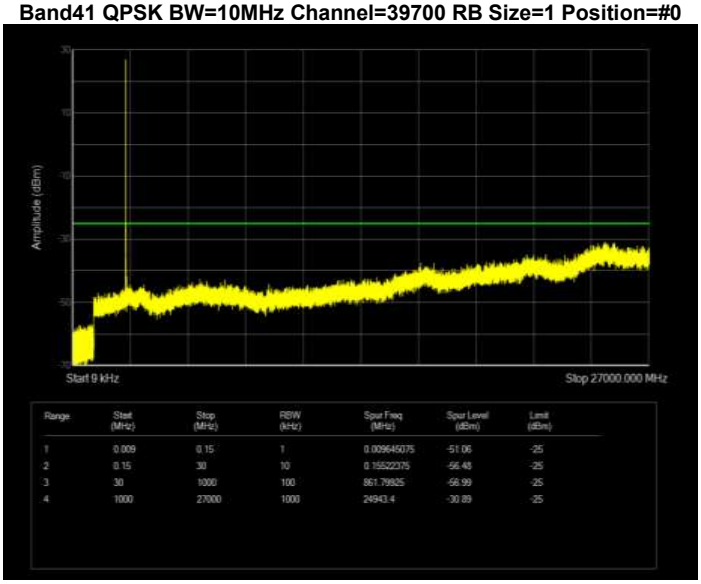
Band41 16QAM BW=5MHz Channel=40620 RB Size=1 Position=#0



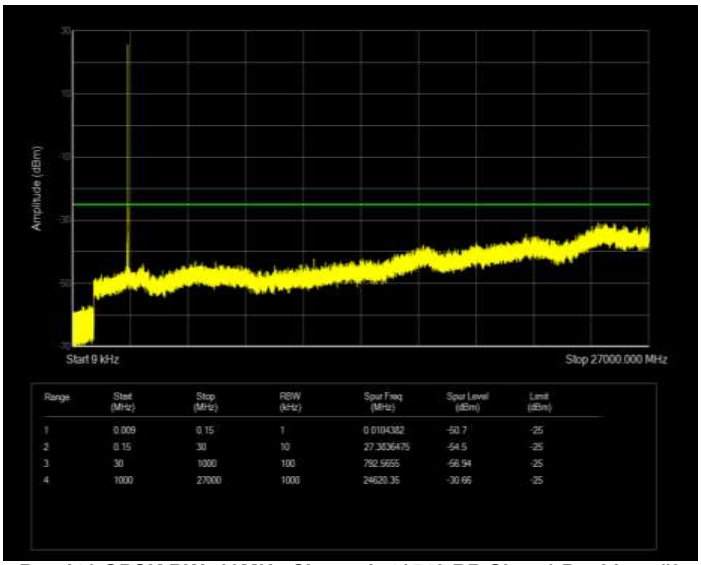
Band41 16QAM BW=5MHz Channel=41565 RB Size=1 Position=#0



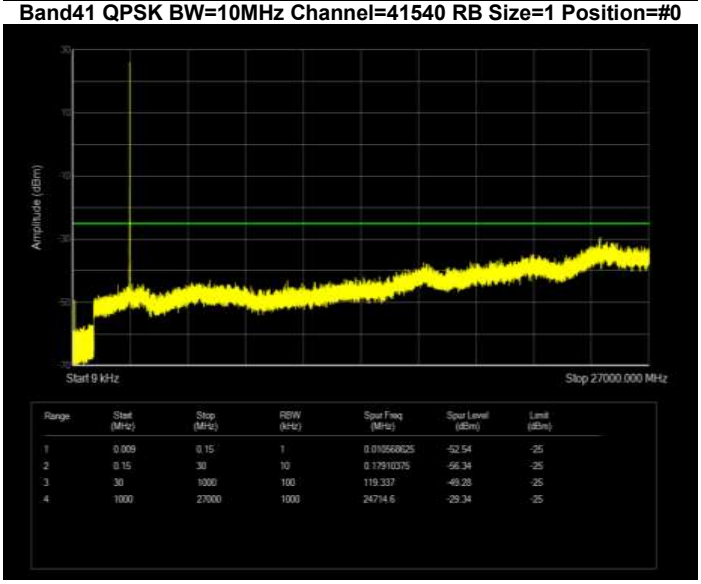
Band41 QPSK BW=10MHz Channel=39700 RB Size=1 Position=#0



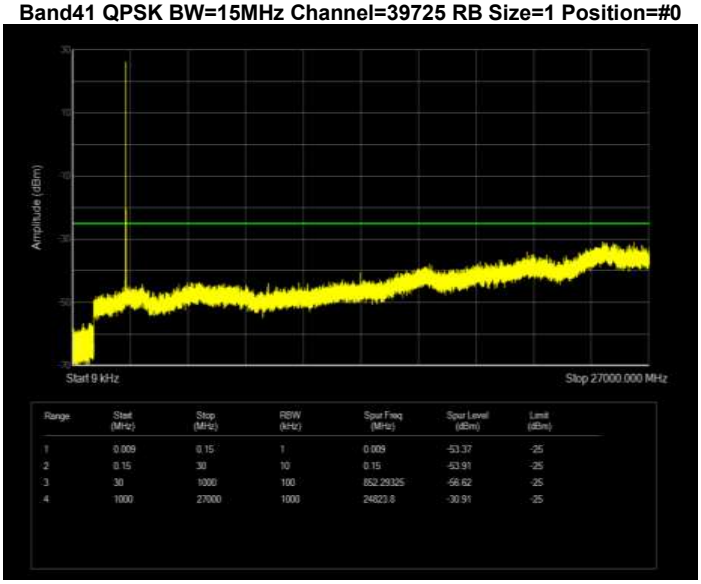
Band41 QPSK BW=10MHz Channel=40620 RB Size=1 Position=#0



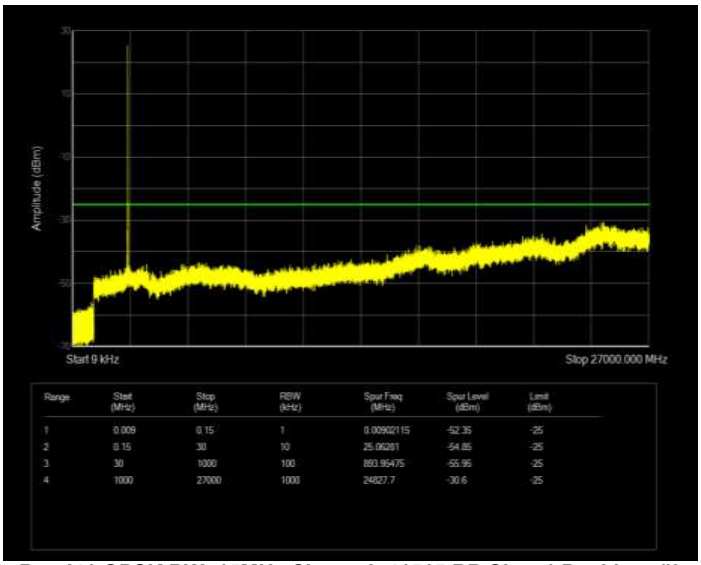
Band41 QPSK BW=10MHz Channel=41540 RB Size=1 Position=#0



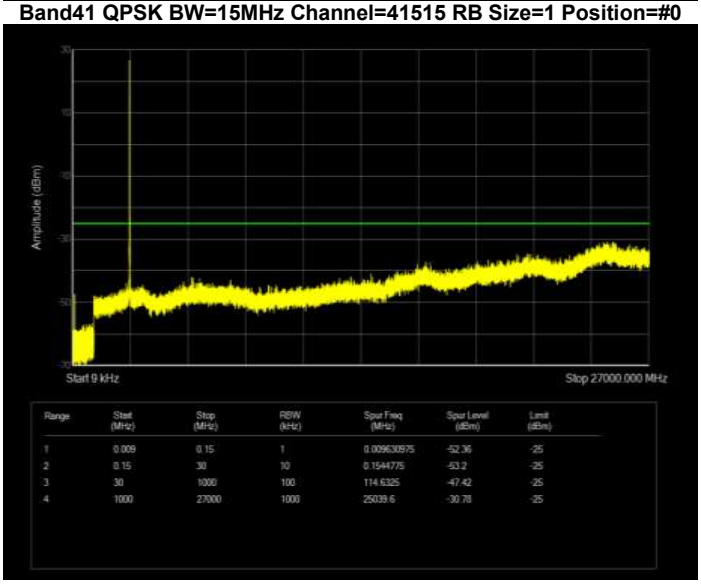
Band41 QPSK BW=15MHz Channel=39725 RB Size=1 Position=#0



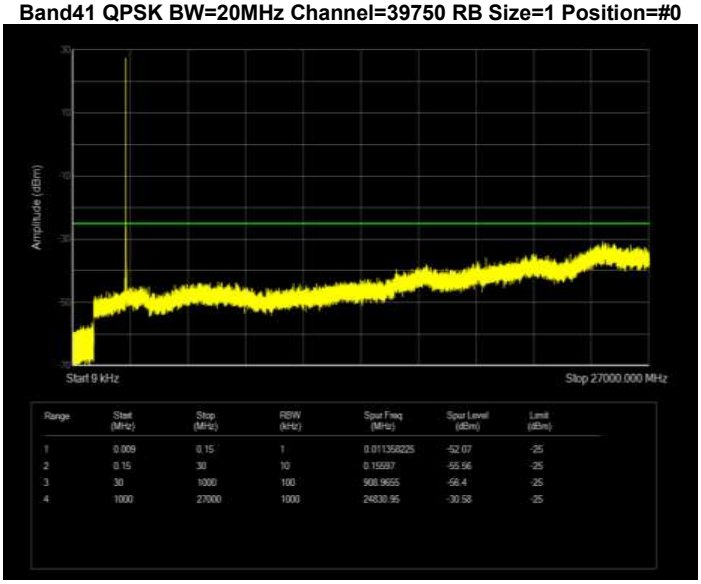
Band41 QPSK BW=15MHz Channel=40620 RB Size=1 Position=#0



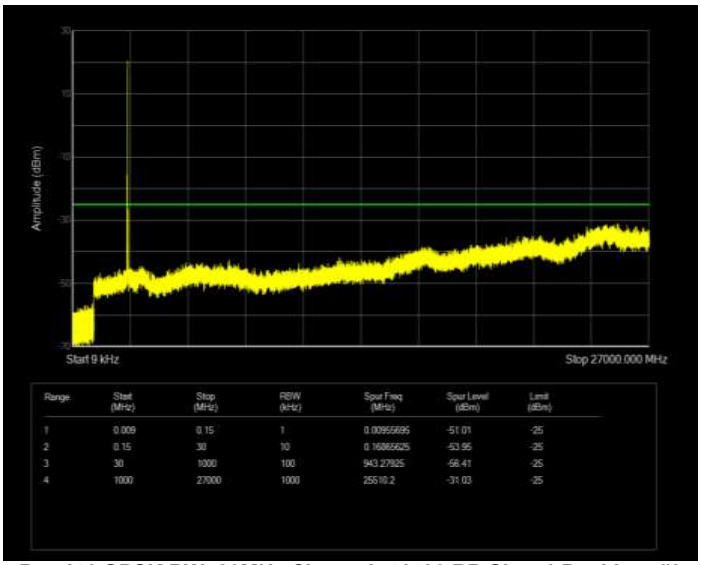
Band41 QPSK BW=15MHz Channel=41515 RB Size=1 Position=#0



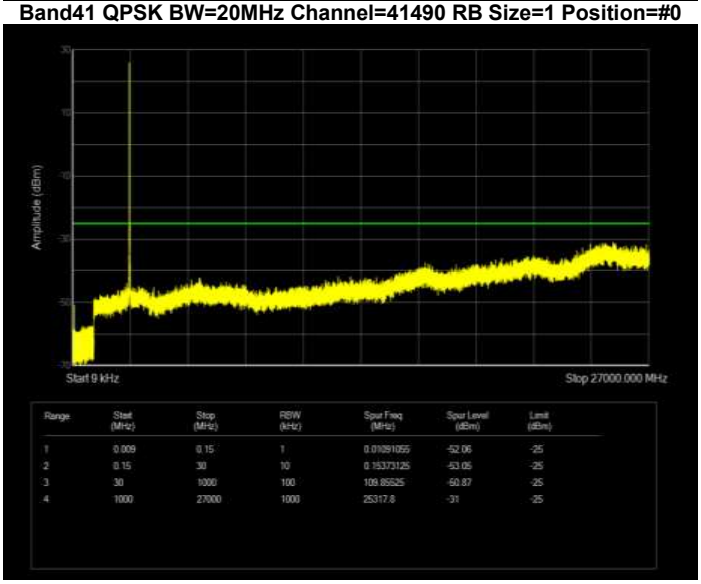
Band41 QPSK BW=20MHz Channel=39750 RB Size=1 Position=#0



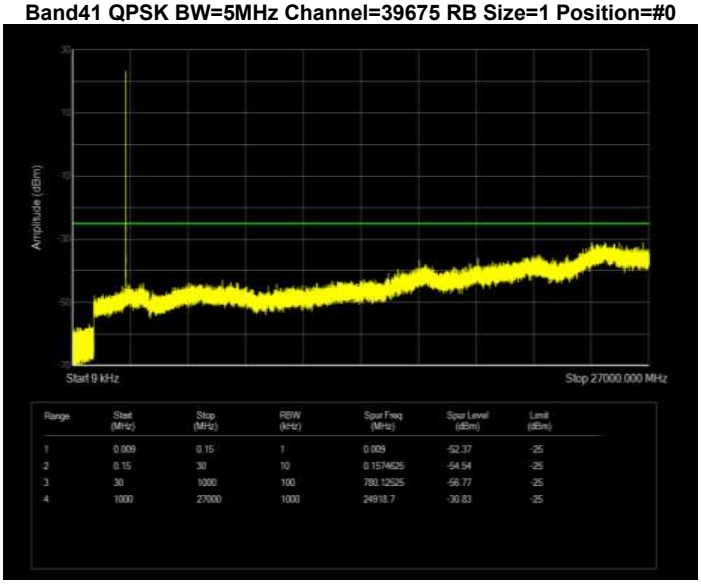
Band41 QPSK BW=20MHz Channel=40620 RB Size=1 Position=#0



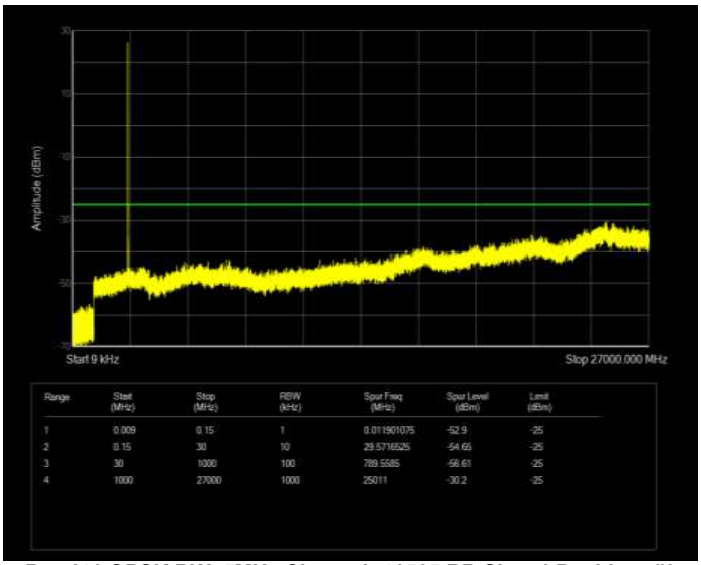
Band41 QPSK BW=20MHz Channel=41490 RB Size=1 Position=#0



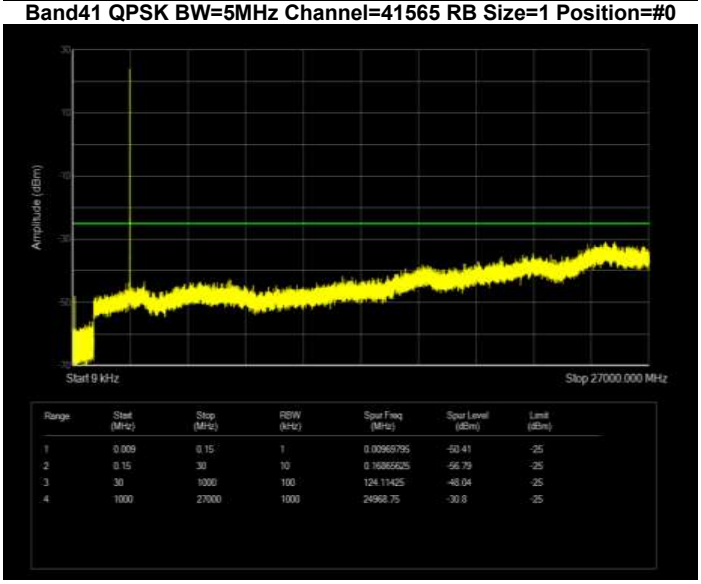
Band41 QPSK BW=5MHz Channel=39675 RB Size=1 Position=#0



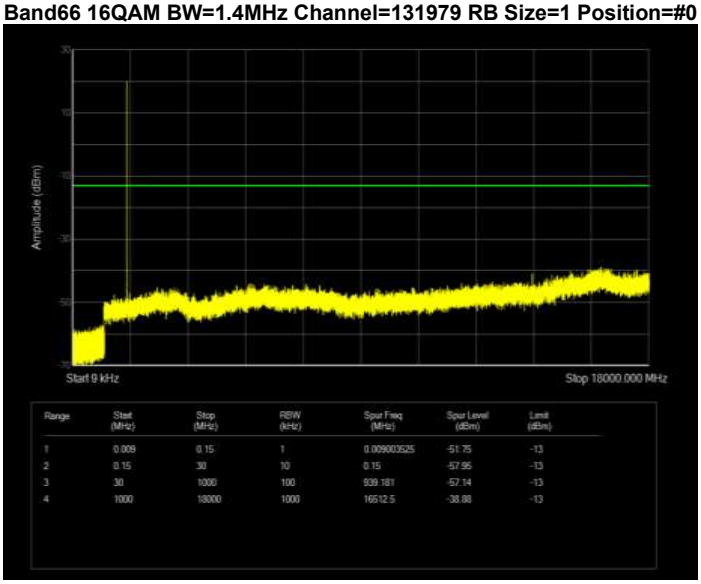
Band41 QPSK BW=5MHz Channel=40620 RB Size=1 Position=#0



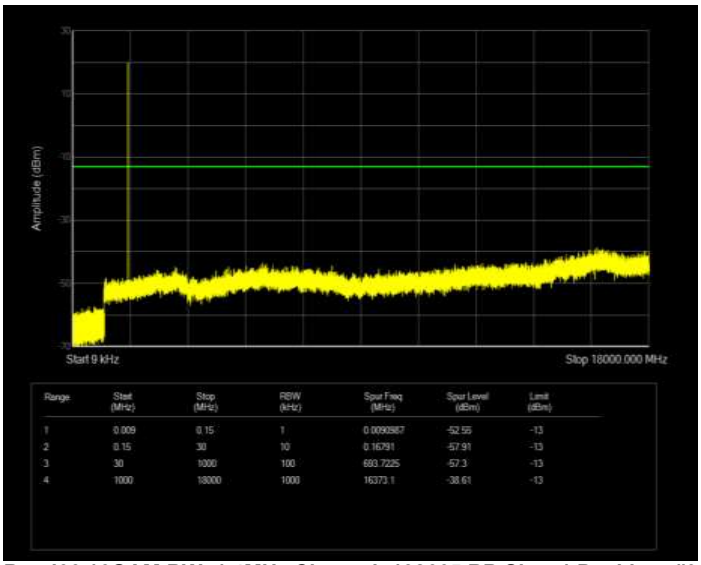
Band41 QPSK BW=5MHz Channel=41565 RB Size=1 Position=#0



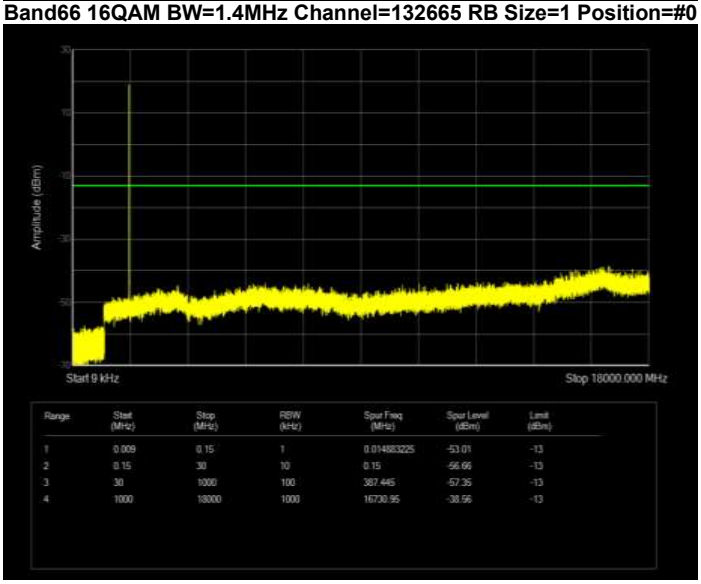
Band66 16QAM BW=1.4MHz Channel=131979 RB Size=1 Position=#0



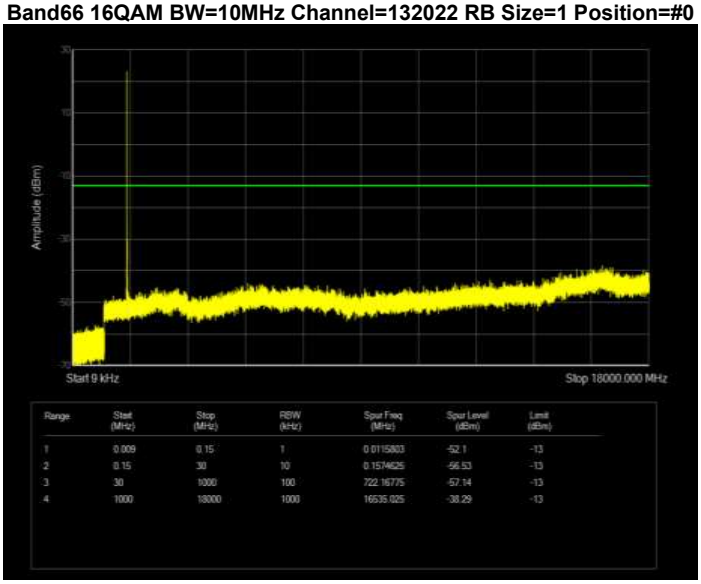
Band66 16QAM BW=1.4MHz Channel=132322 RB Size=1 Position=#0



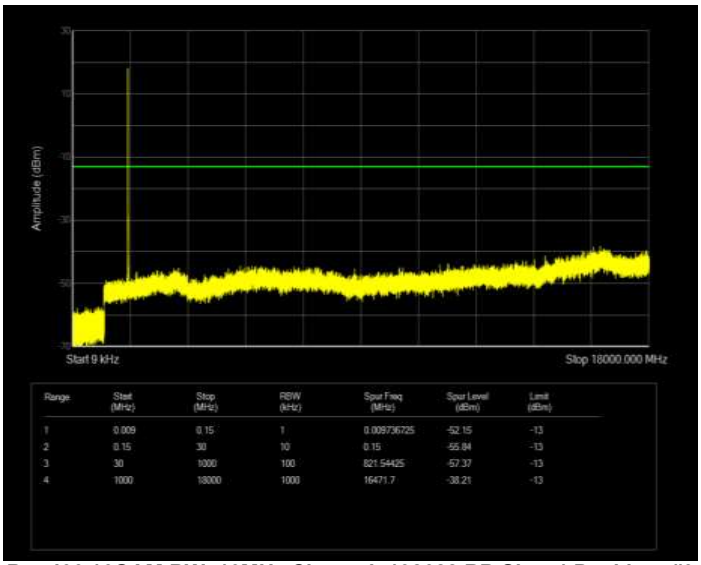
Band66 16QAM BW=1.4MHz Channel=132665 RB Size=1 Position=#0



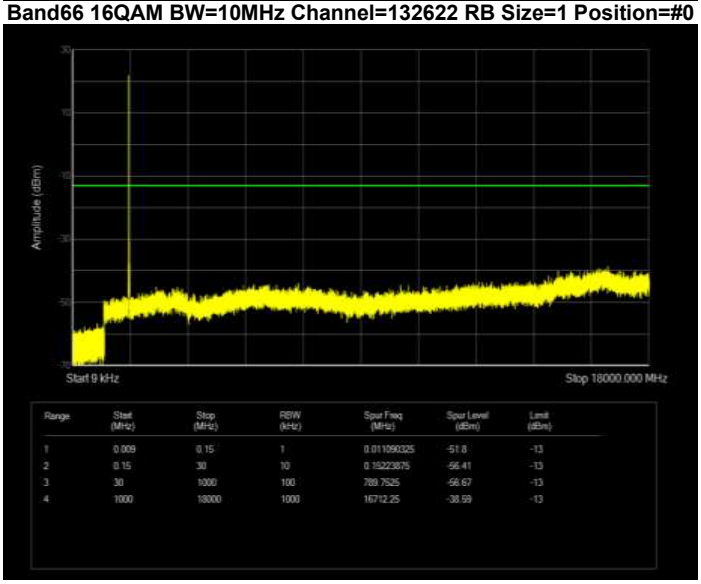
Band66 16QAM BW=10MHz Channel=132022 RB Size=1 Position=#0



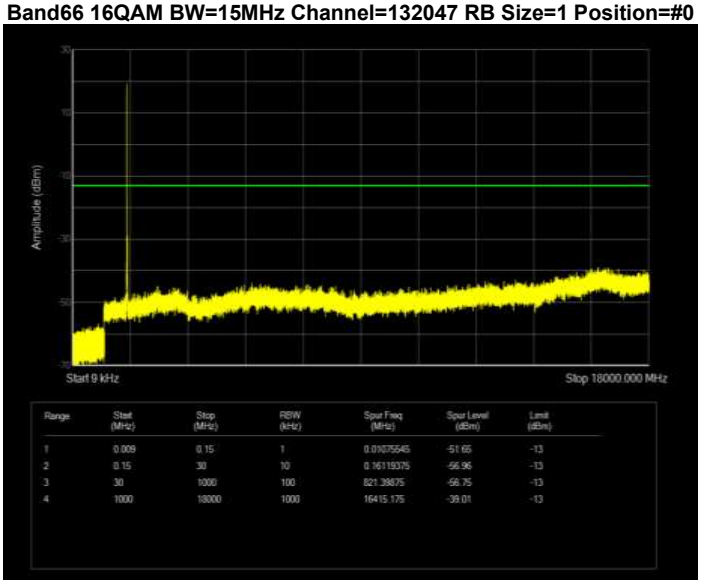
Band66 16QAM BW=10MHz Channel=132322 RB Size=1 Position=#0



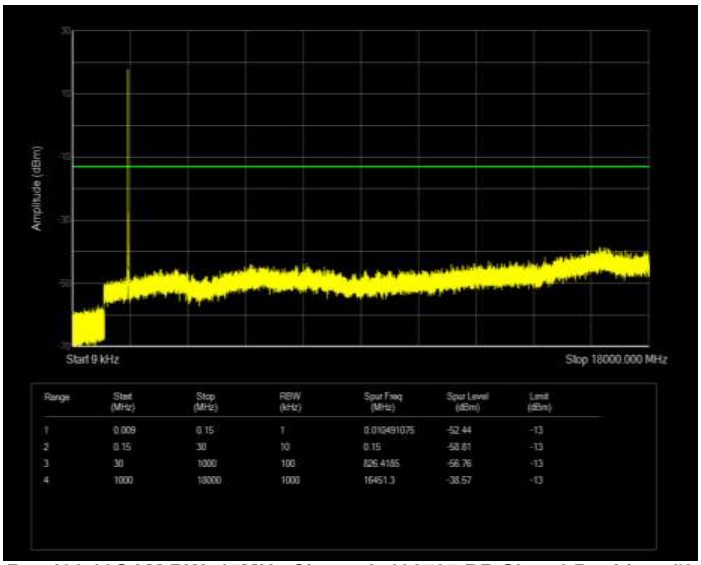
Band66 16QAM BW=10MHz Channel=132622 RB Size=1 Position=#0



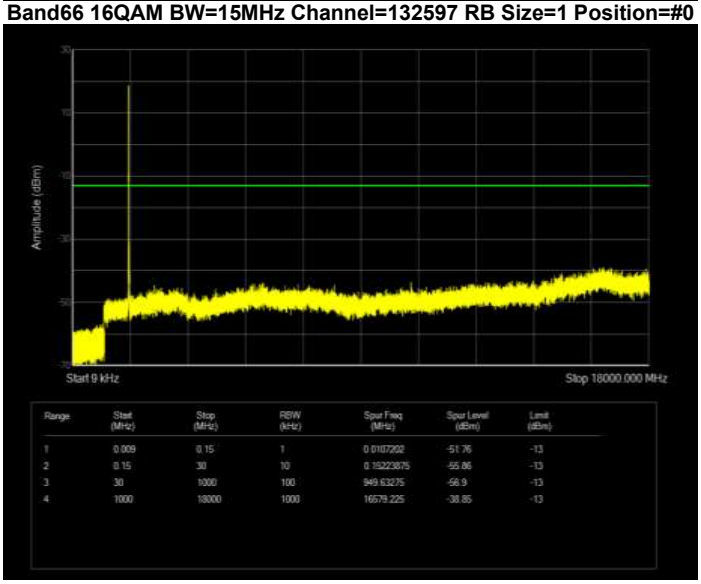
Band66 16QAM BW=15MHz Channel=132047 RB Size=1 Position=#0



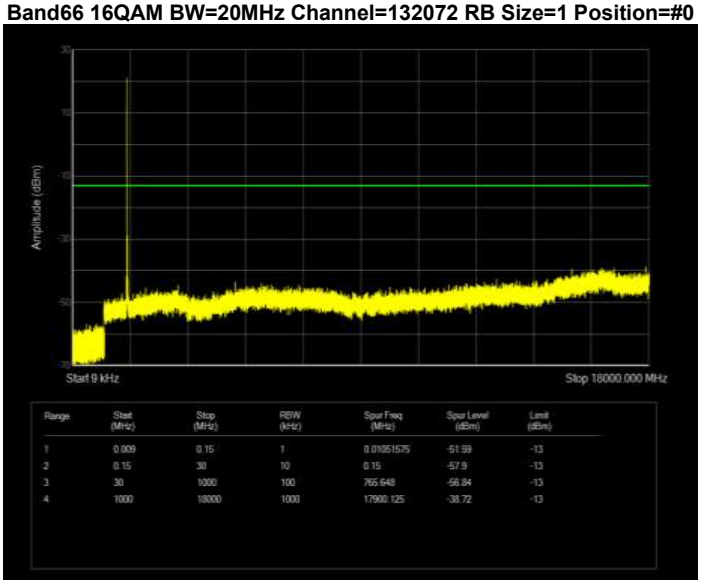
Band66 16QAM BW=15MHz Channel=132322 RB Size=1 Position=#0



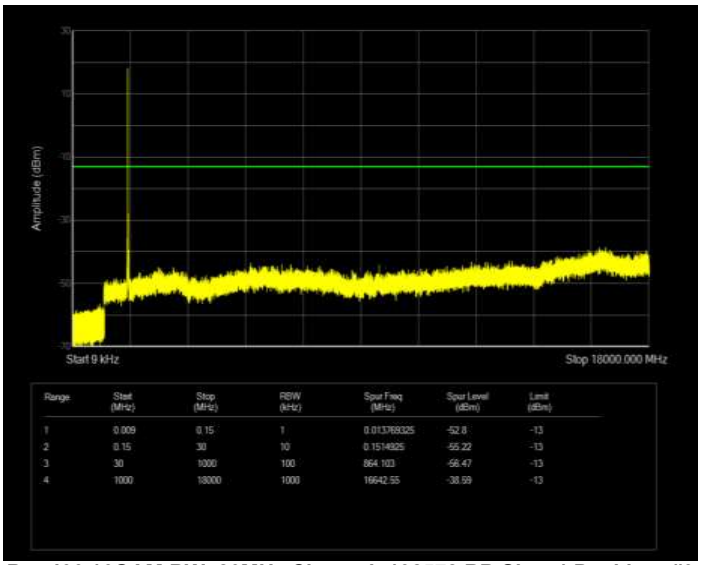
Band66 16QAM BW=15MHz Channel=132597 RB Size=1 Position=#0



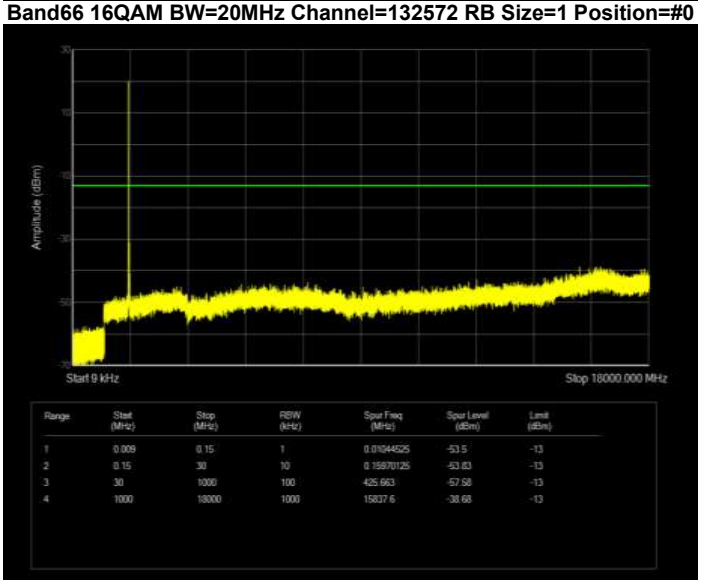
Band66 16QAM BW=20MHz Channel=132072 RB Size=1 Position=#0



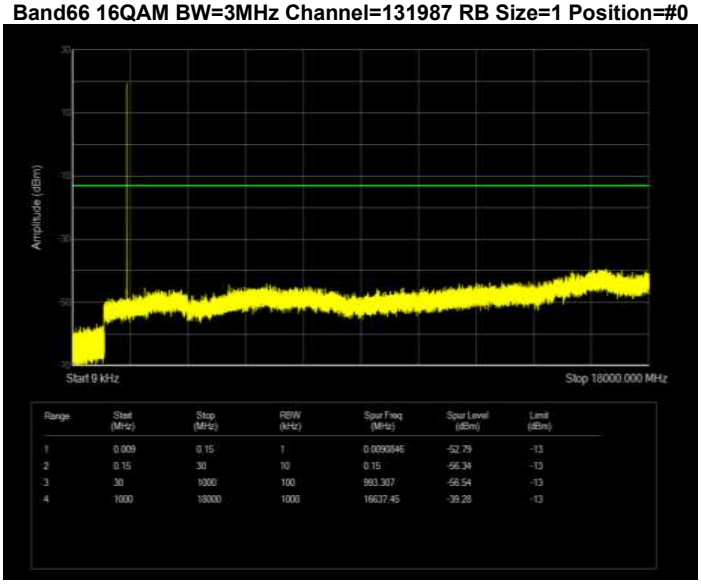
Band66 16QAM BW=20MHz Channel=132322 RB Size=1 Position=#0



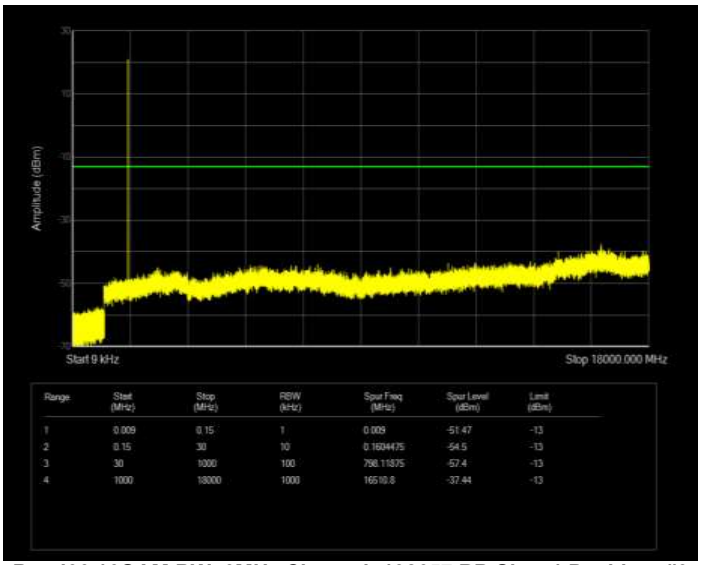
Band66 16QAM BW=20MHz Channel=132572 RB Size=1 Position=#0



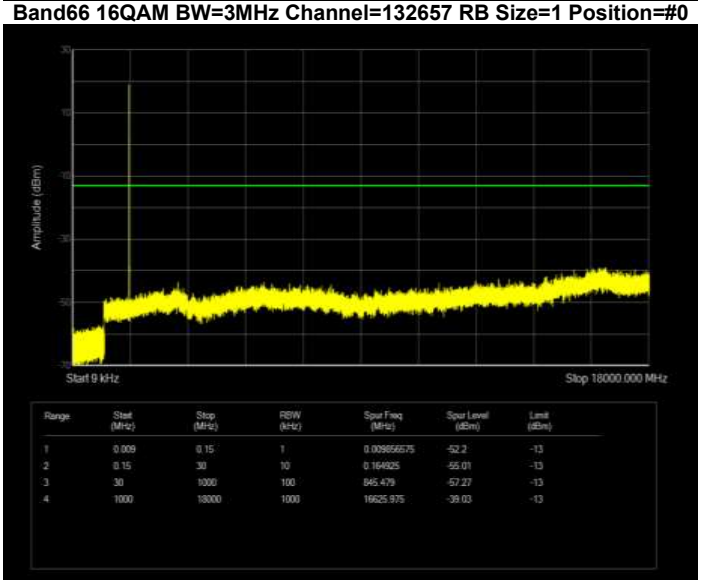
Band66 16QAM BW=3MHz Channel=131987 RB Size=1 Position=#0



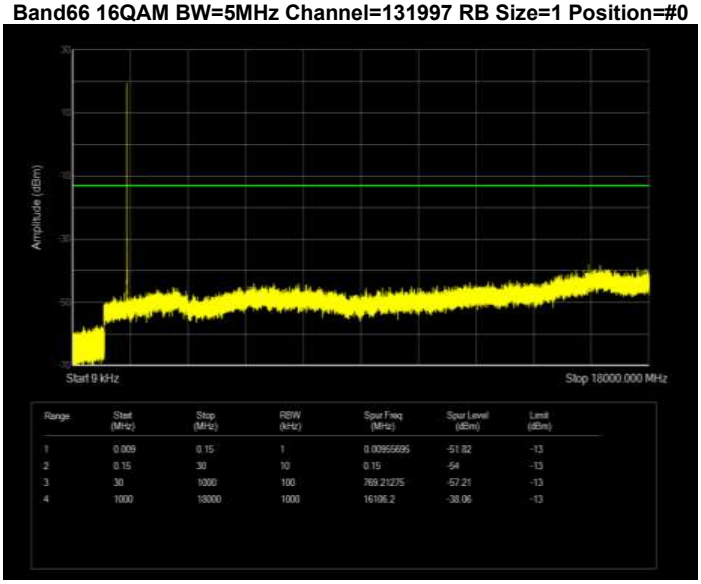
Band66 16QAM BW=3MHz Channel=132322 RB Size=1 Position=#0



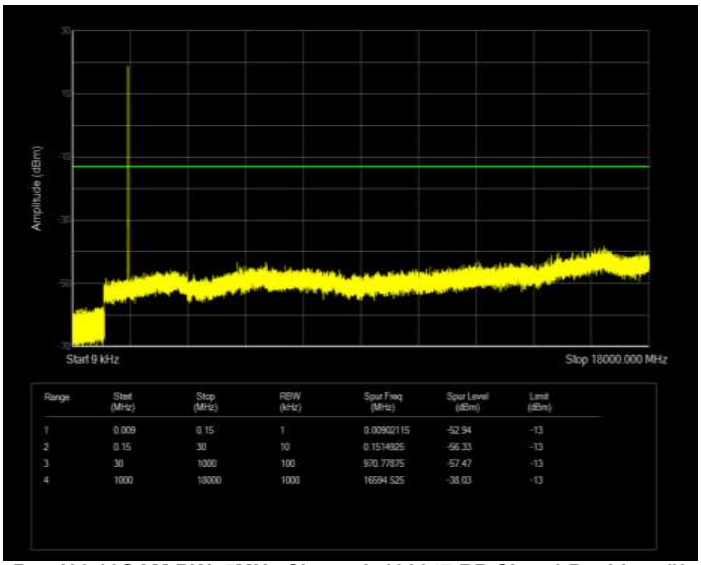
Band66 16QAM BW=3MHz Channel=132657 RB Size=1 Position=#0



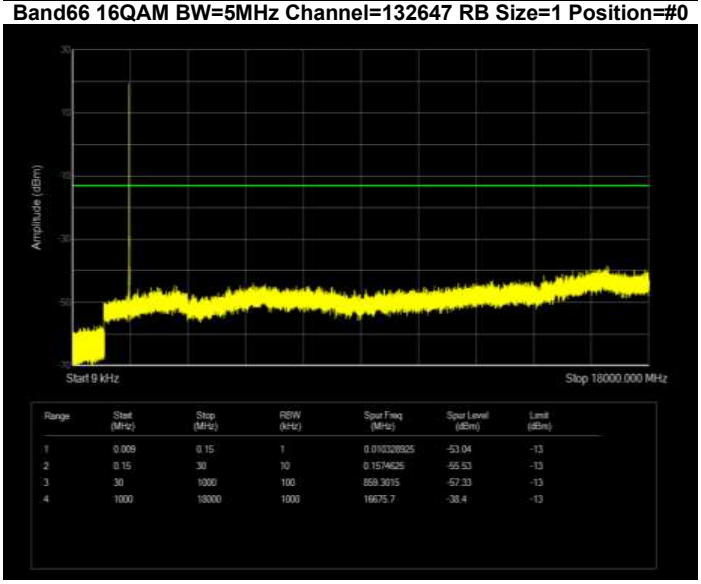
Band66 16QAM BW=5MHz Channel=131997 RB Size=1 Position=#0



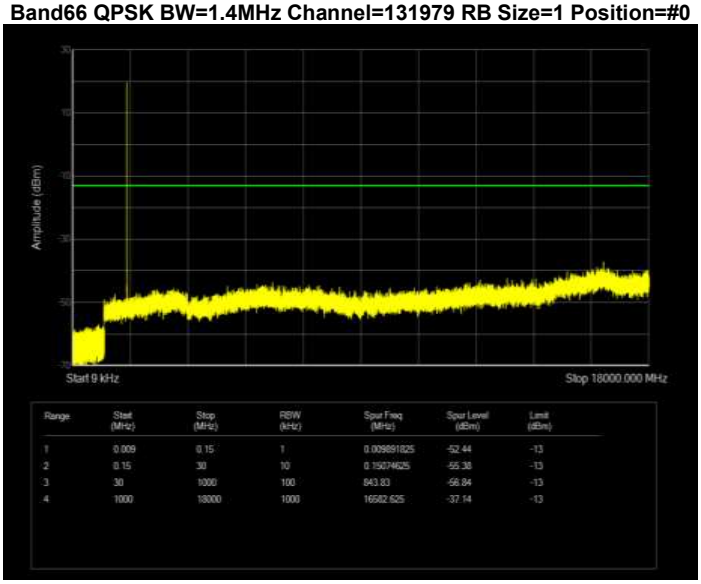
Band66 16QAM BW=5MHz Channel=132322 RB Size=1 Position=#0



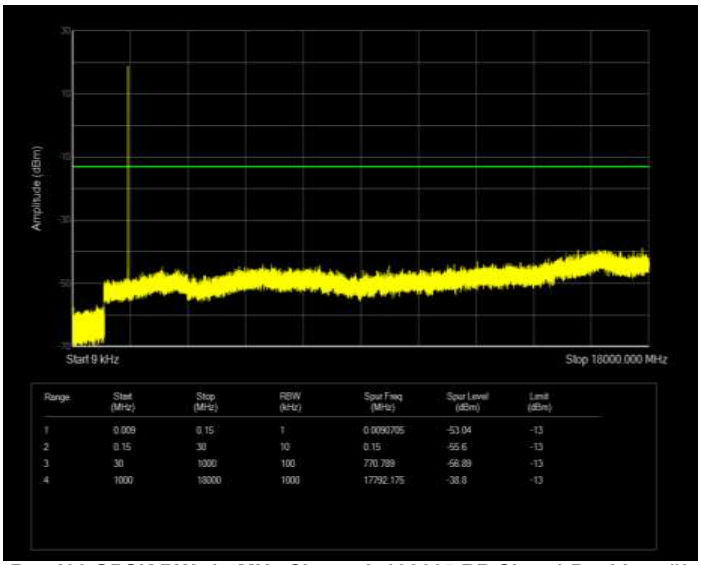
Band66 16QAM BW=5MHz Channel=132647 RB Size=1 Position=#0



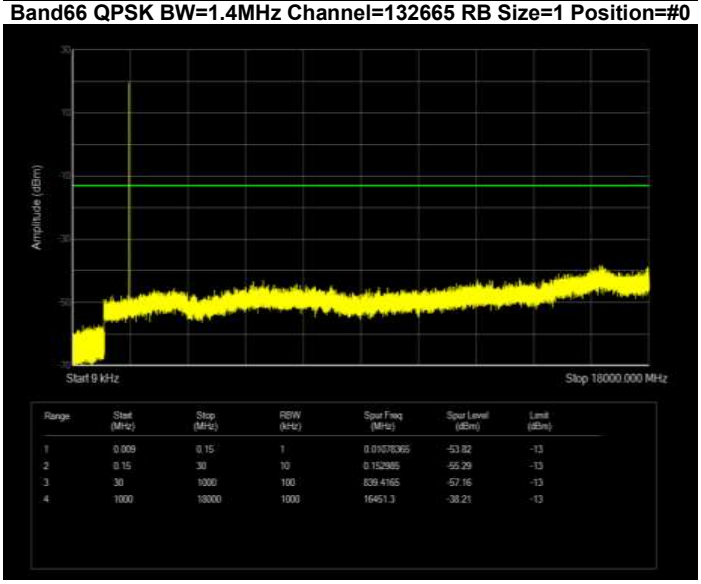
Band66 QPSK BW=1.4MHz Channel=131979 RB Size=1 Position=#0



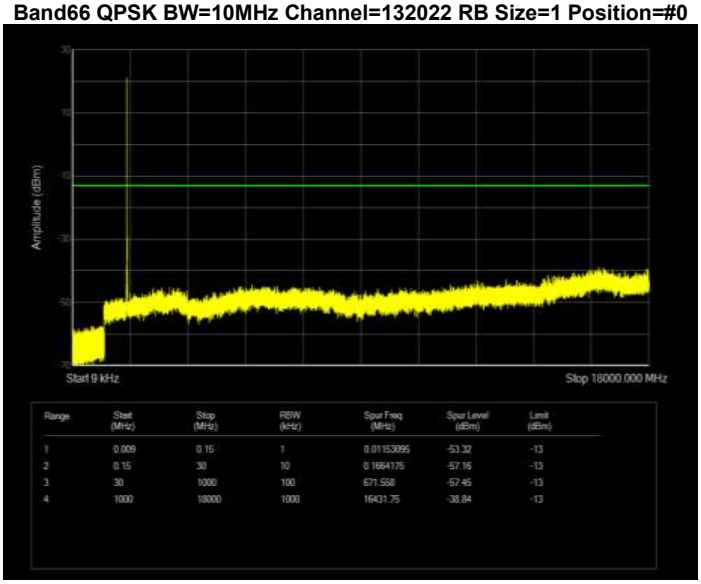
Band66 QPSK BW=1.4MHz Channel=132322 RB Size=1 Position=#0



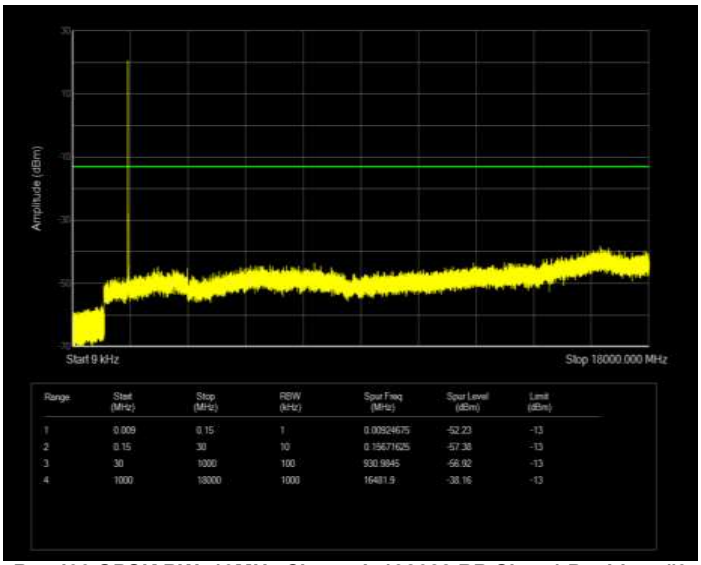
Band66 QPSK BW=1.4MHz Channel=132665 RB Size=1 Position=#0



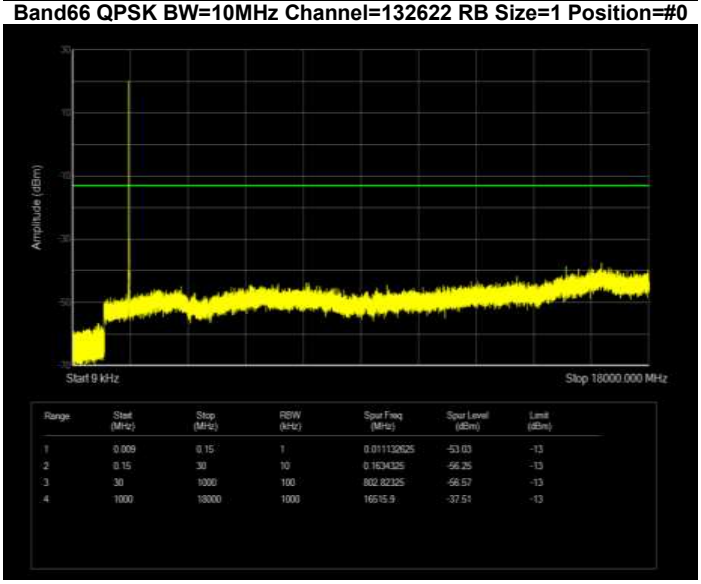
Band66 QPSK BW=10MHz Channel=132022 RB Size=1 Position=#0



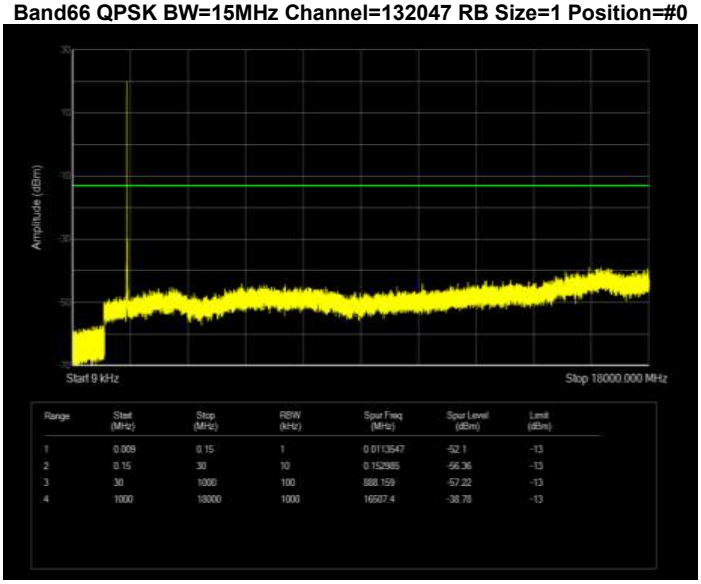
Band66 QPSK BW=10MHz Channel=132322 RB Size=1 Position=#0



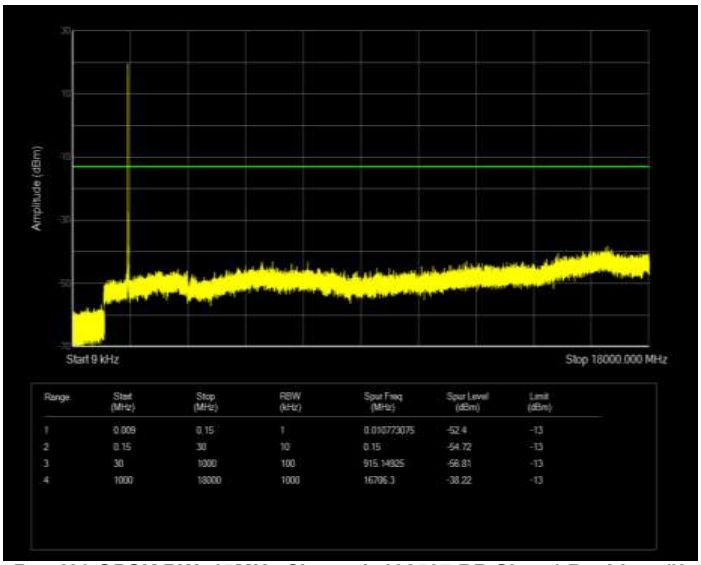
Band66 QPSK BW=10MHz Channel=132622 RB Size=1 Position=#0



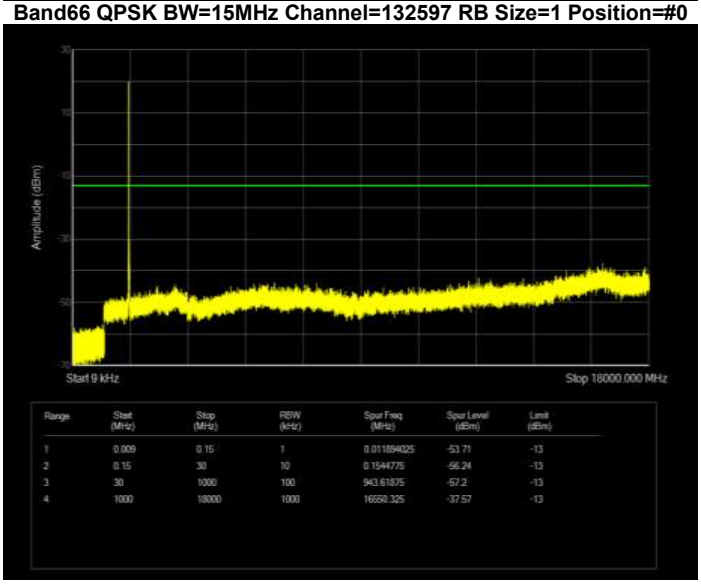
Band66 QPSK BW=15MHz Channel=132047 RB Size=1 Position=#0



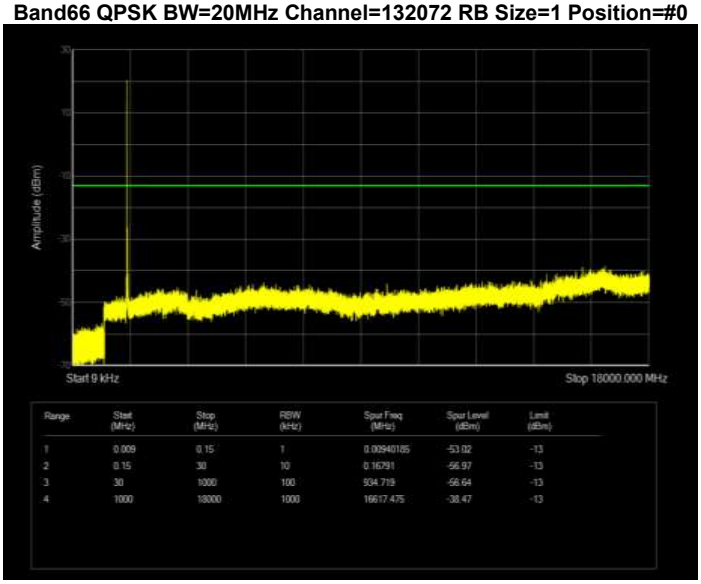
Band66 QPSK BW=15MHz Channel=132322 RB Size=1 Position=#0



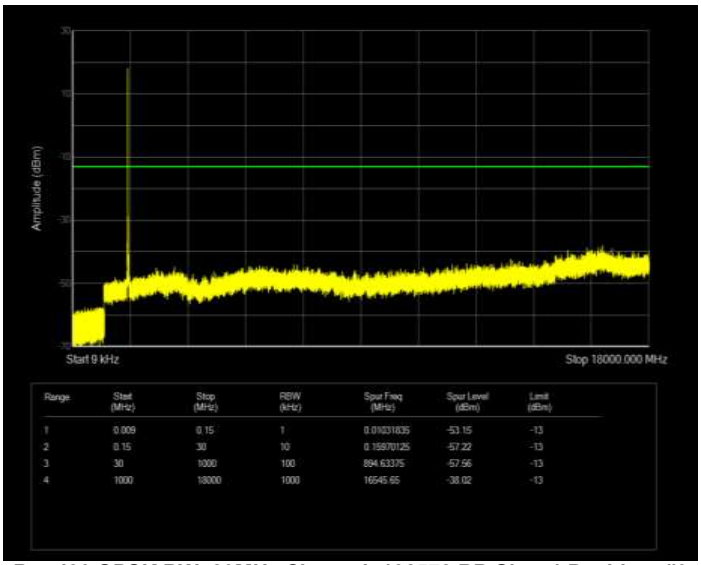
Band66 QPSK BW=15MHz Channel=132597 RB Size=1 Position=#0



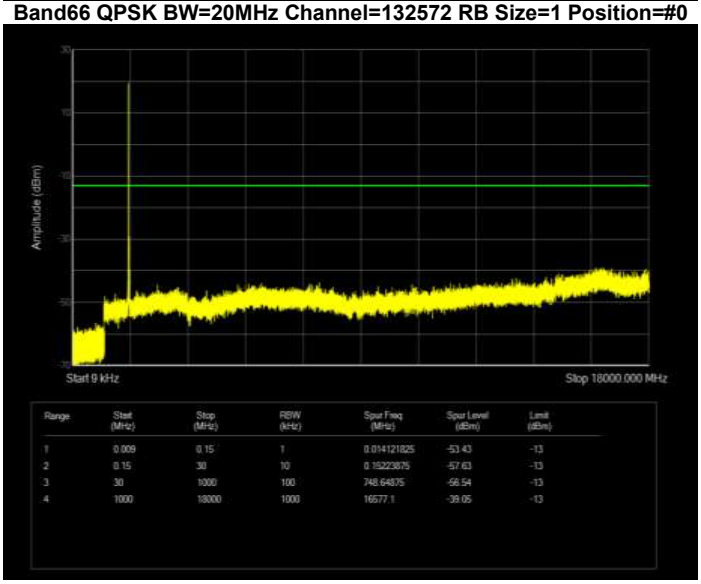
Band66 QPSK BW=20MHz Channel=132072 RB Size=1 Position=#0



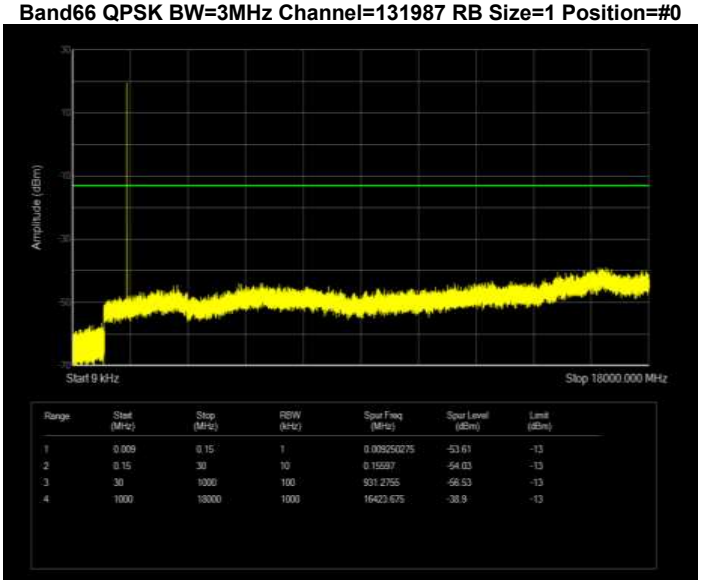
Band66 QPSK BW=20MHz Channel=132322 RB Size=1 Position=#0



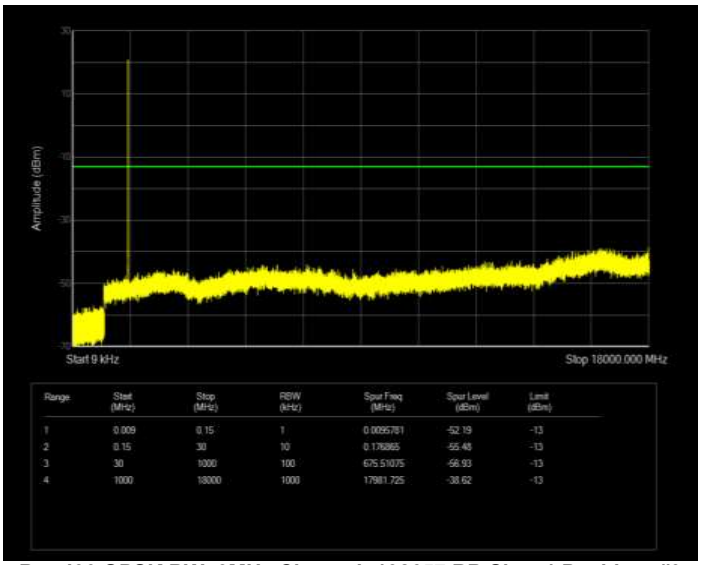
Band66 QPSK BW=20MHz Channel=132572 RB Size=1 Position=#0



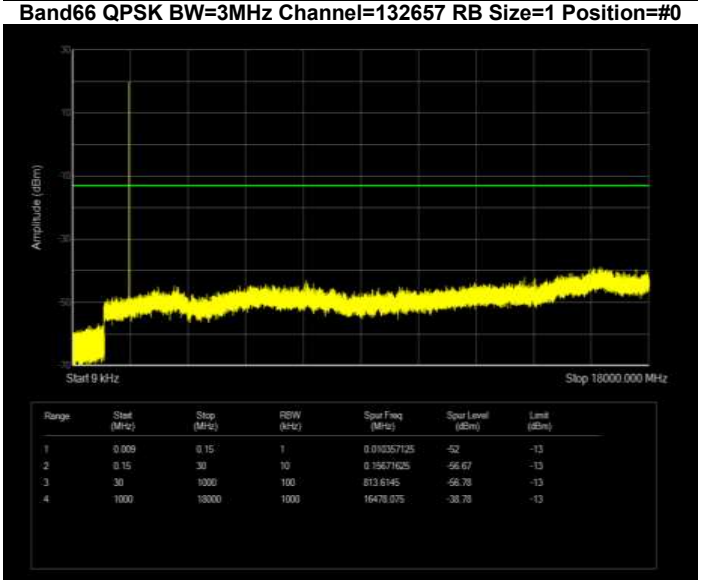
Band66 QPSK BW=3MHz Channel=131987 RB Size=1 Position=#0



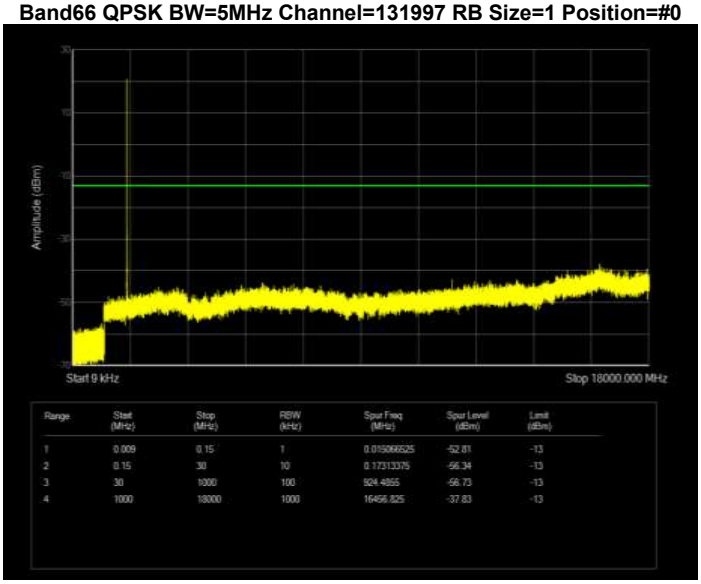
Band66 QPSK BW=3MHz Channel=132322 RB Size=1 Position=#0



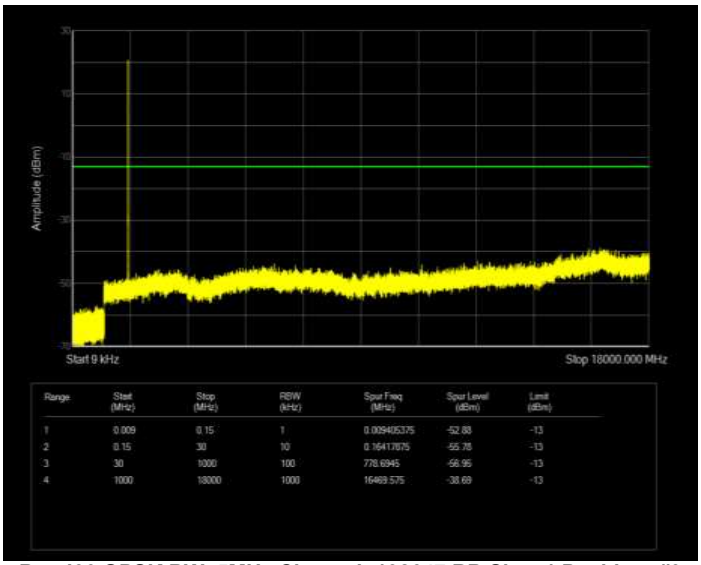
Band66 QPSK BW=3MHz Channel=132657 RB Size=1 Position=#0



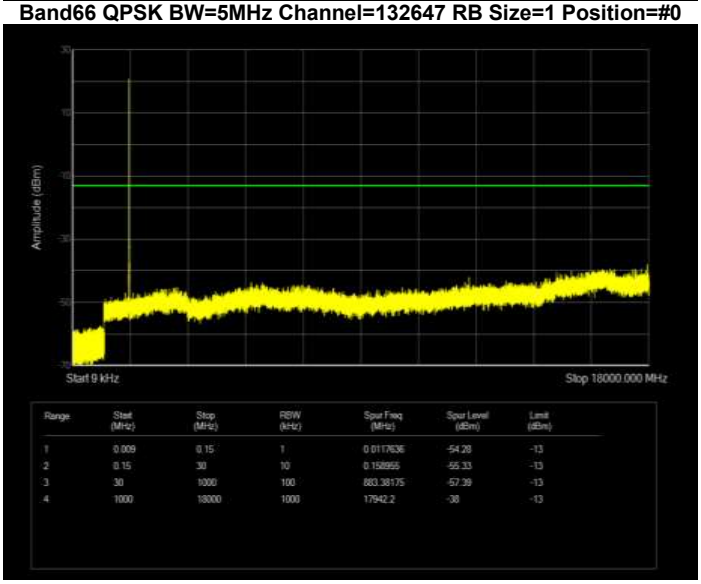
Band66 QPSK BW=5MHz Channel=131997 RB Size=1 Position=#0



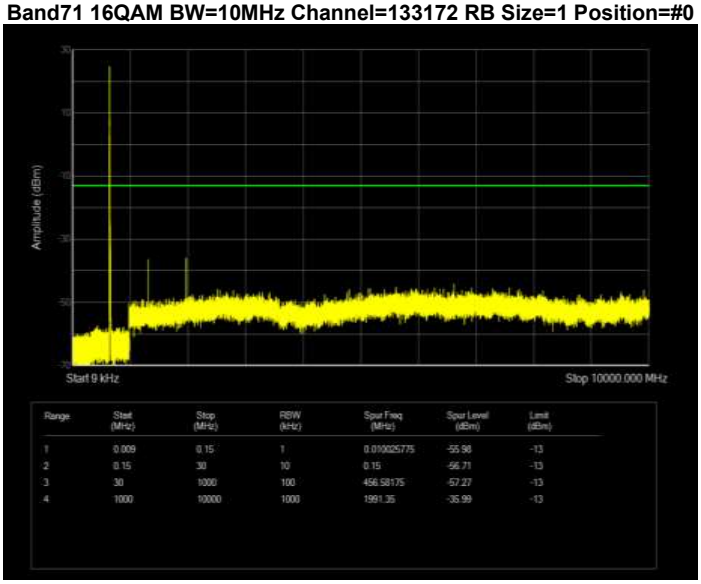
Band66 QPSK BW=5MHz Channel=132322 RB Size=1 Position=#0



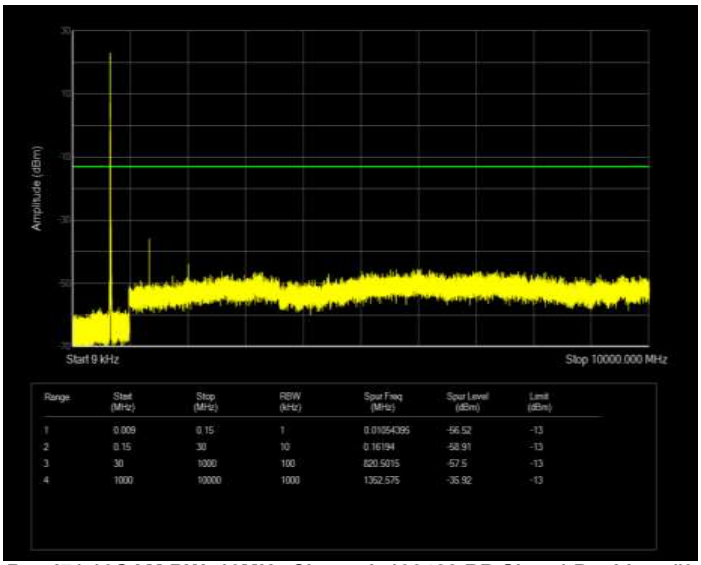
Band66 QPSK BW=5MHz Channel=132647 RB Size=1 Position=#0



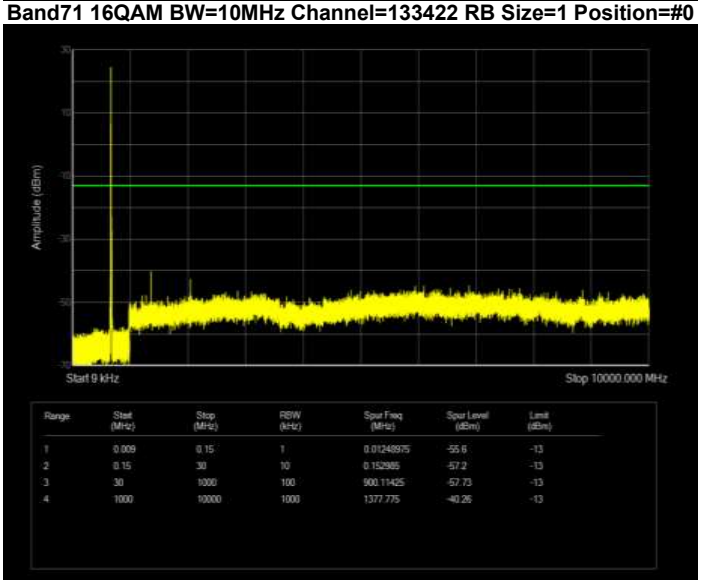
Band71 16QAM BW=10MHz Channel=133172 RB Size=1 Position=#0



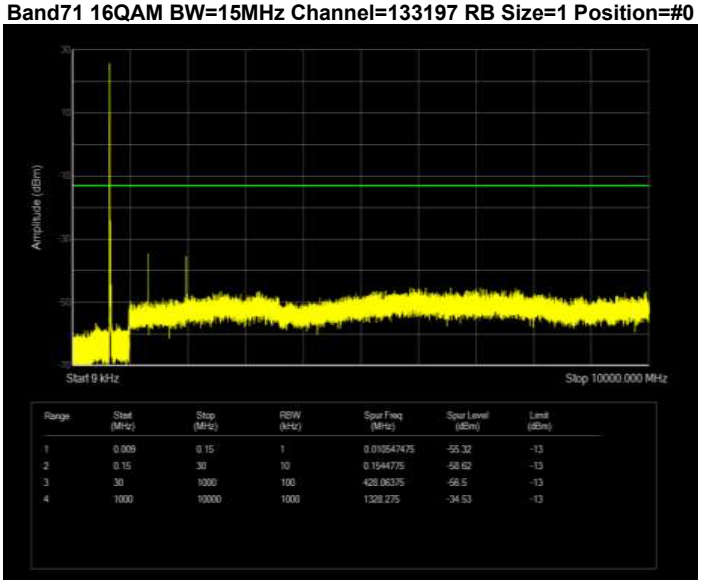
Band71 16QAM BW=10MHz Channel=133297 RB Size=1 Position=#0



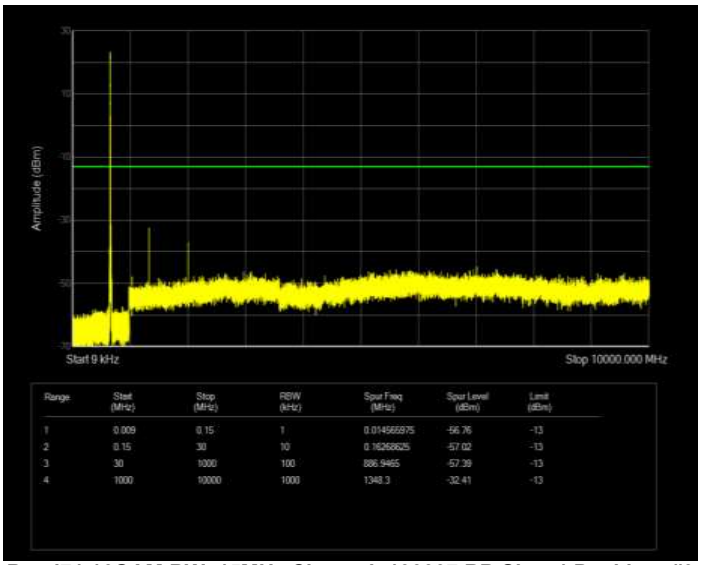
Band71 16QAM BW=10MHz Channel=133422 RB Size=1 Position=#0



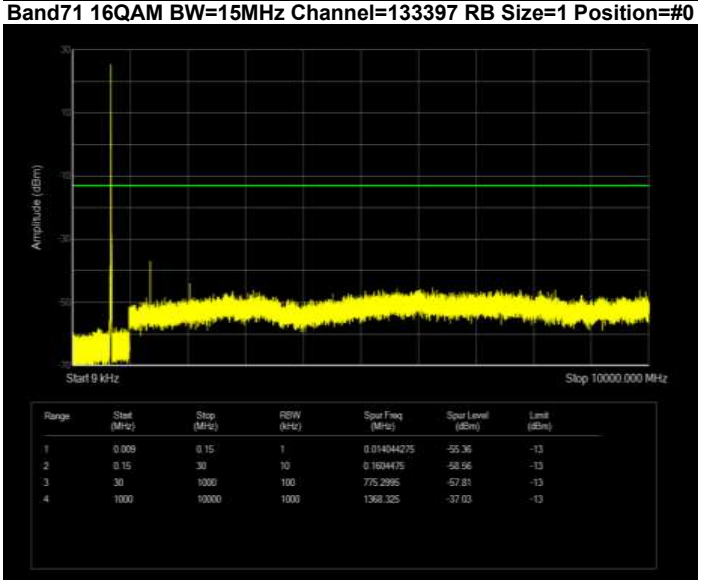
Band71 16QAM BW=15MHz Channel=133197 RB Size=1 Position=#0



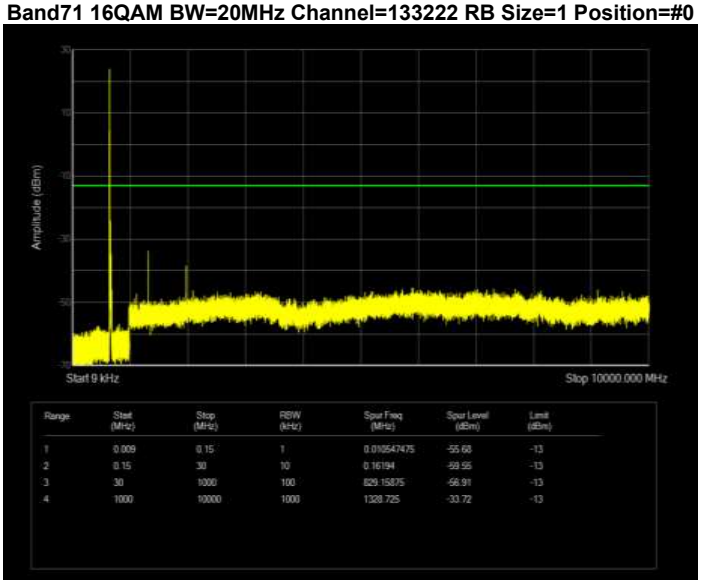
Band71 16QAM BW=15MHz Channel=133297 RB Size=1 Position=#0



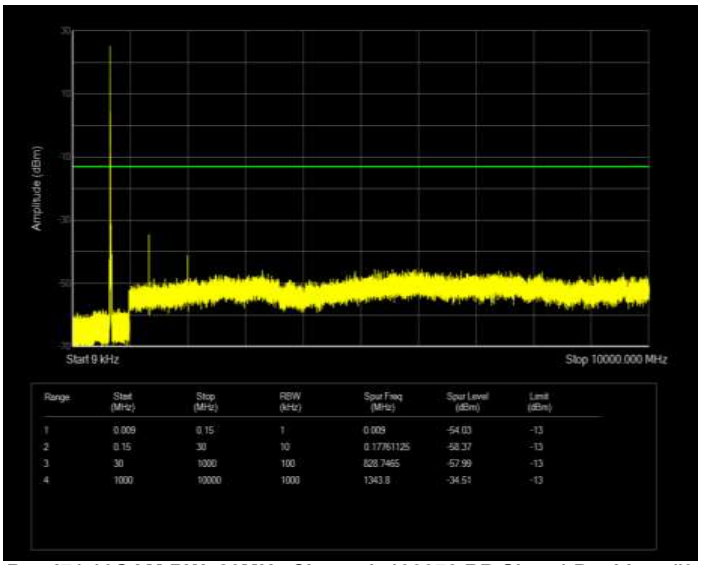
Band71 16QAM BW=15MHz Channel=133397 RB Size=1 Position=#0



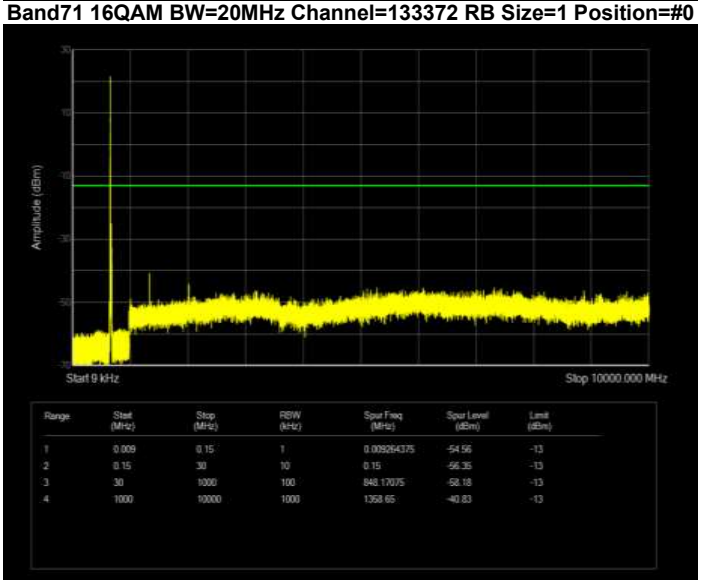
Band71 16QAM BW=20MHz Channel=133222 RB Size=1 Position=#0



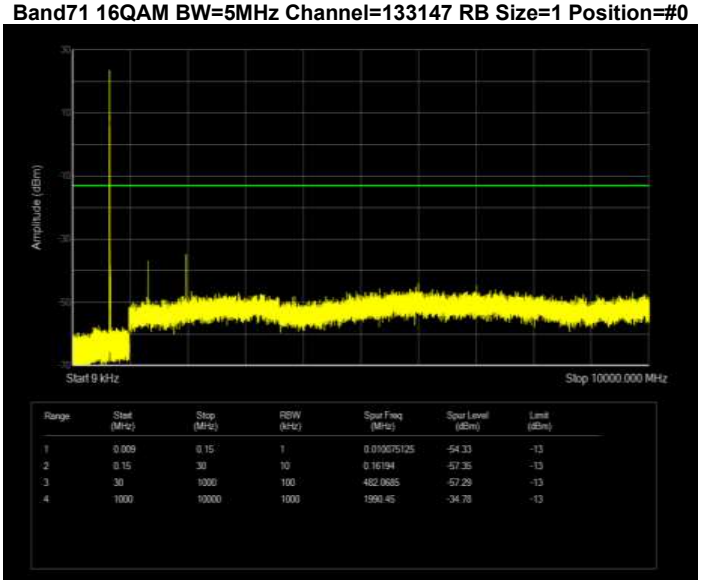
Band71 16QAM BW=20MHz Channel=133297 RB Size=1 Position=#0



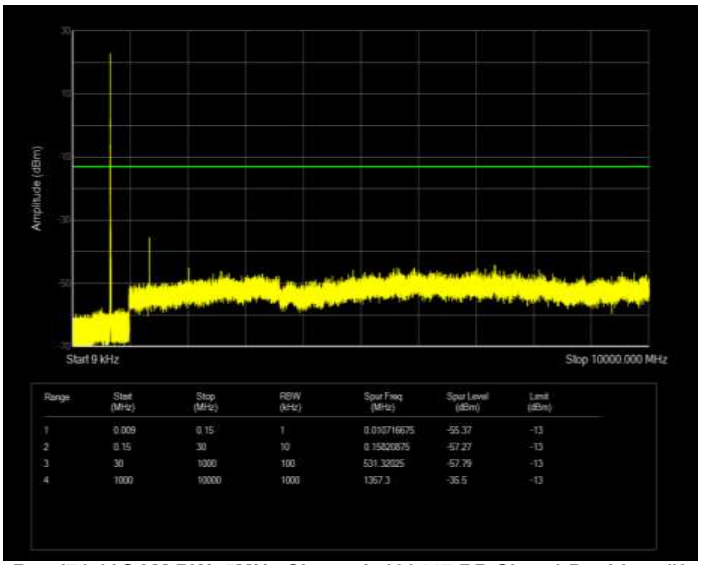
Band71 16QAM BW=20MHz Channel=133372 RB Size=1 Position=#0



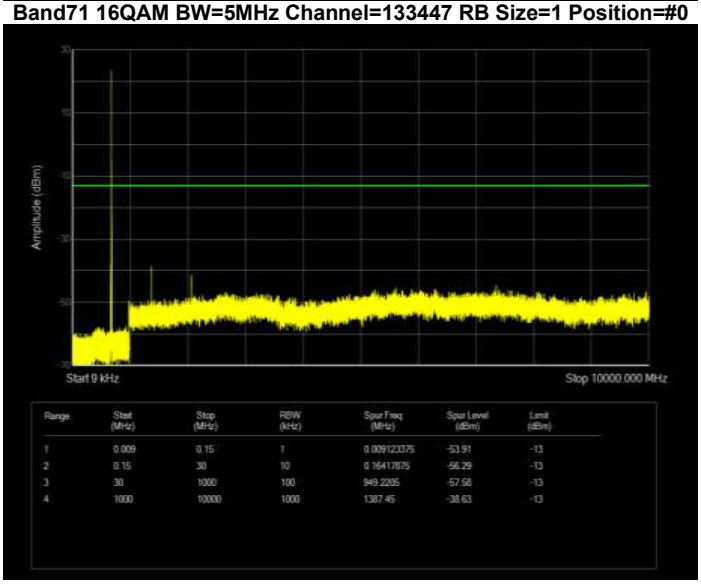
Band71 16QAM BW=5MHz Channel=133147 RB Size=1 Position=#0



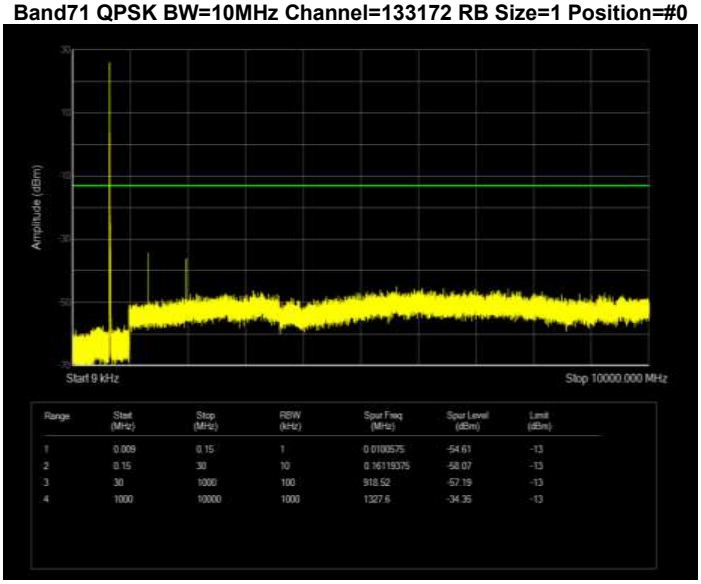
Band71 16QAM BW=5MHz Channel=133297 RB Size=1 Position=#0



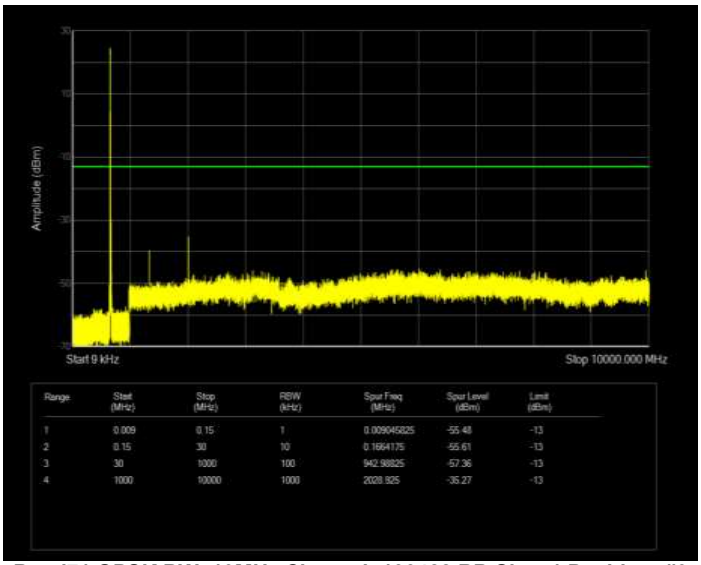
Band71 16QAM BW=5MHz Channel=133447 RB Size=1 Position=#0



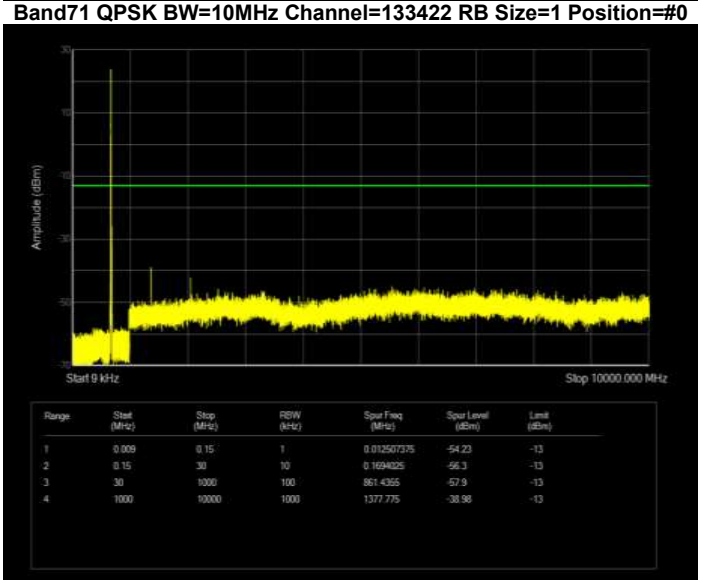
Band71 QPSK BW=10MHz Channel=133172 RB Size=1 Position=#0



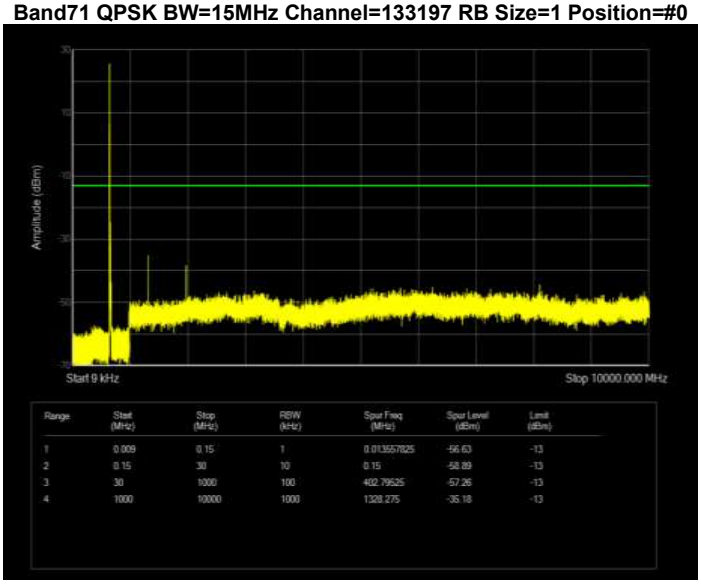
Band71 QPSK BW=10MHz Channel=133297 RB Size=1 Position=#0



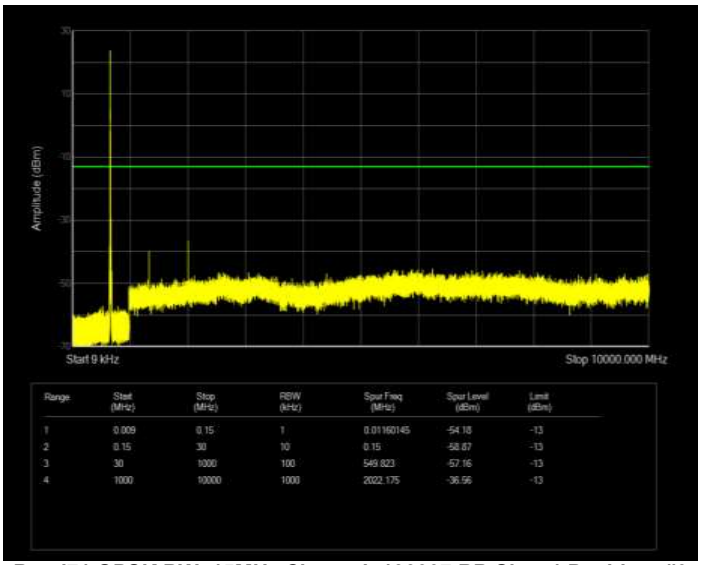
Band71 QPSK BW=10MHz Channel=133422 RB Size=1 Position=#0



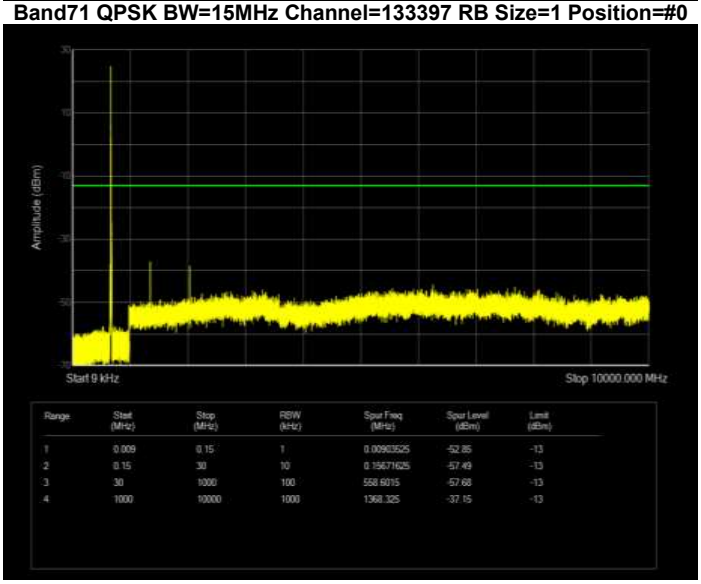
Band71 QPSK BW=15MHz Channel=133197 RB Size=1 Position=#0



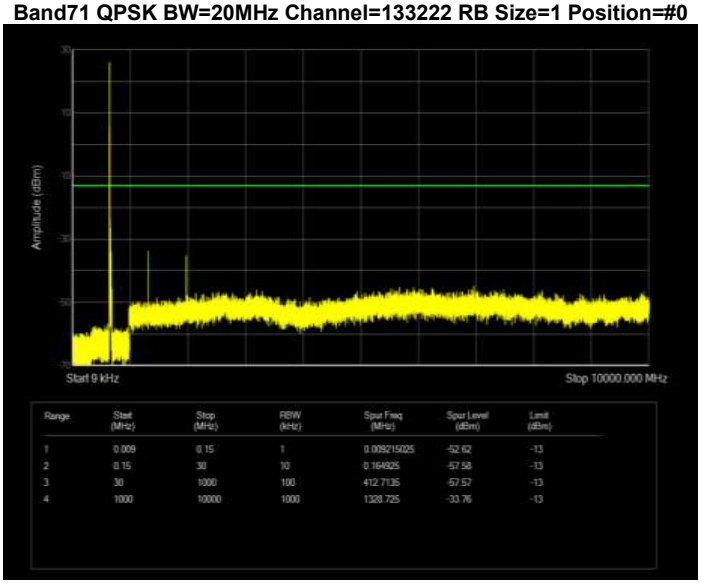
Band71 QPSK BW=15MHz Channel=133297 RB Size=1 Position=#0



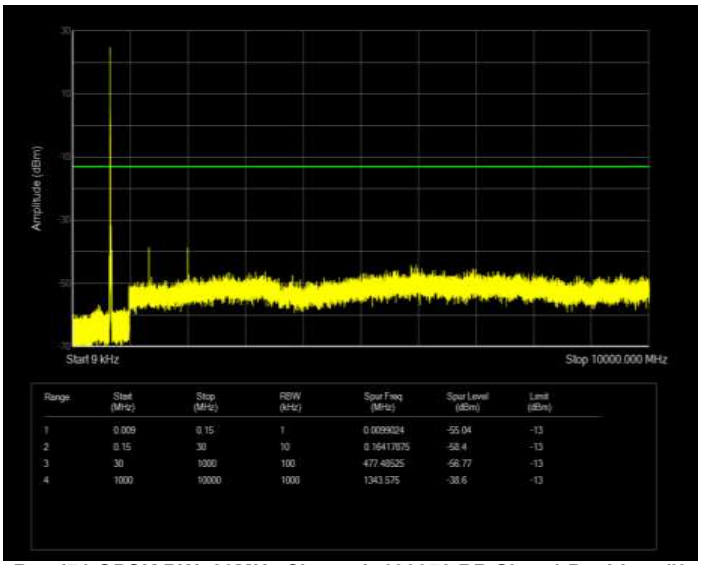
Band71 QPSK BW=15MHz Channel=133397 RB Size=1 Position=#0



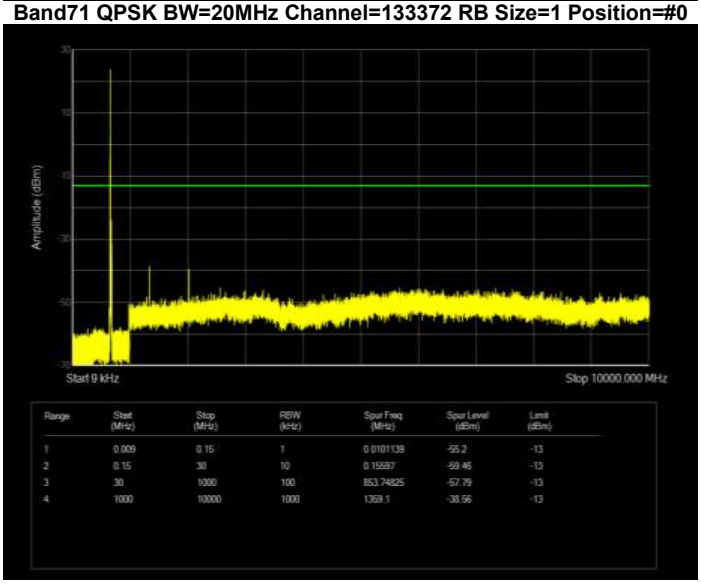
Band71 QPSK BW=20MHz Channel=133222 RB Size=1 Position=#0



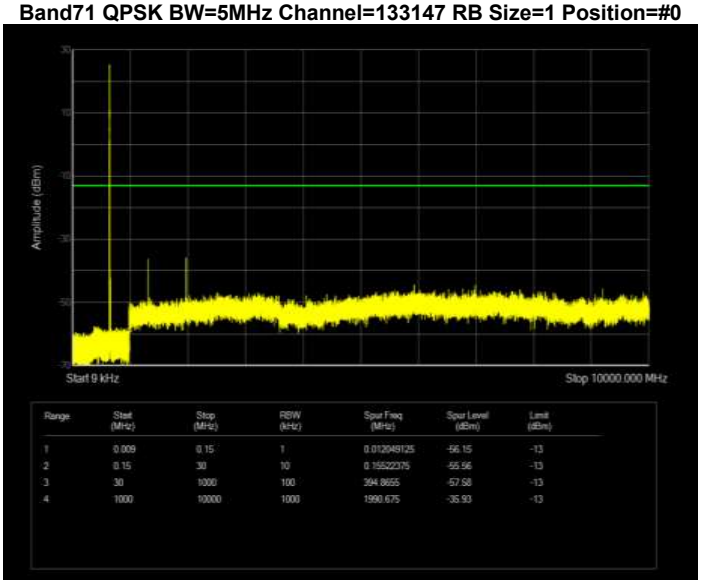
Band71 QPSK BW=20MHz Channel=133297 RB Size=1 Position=#0



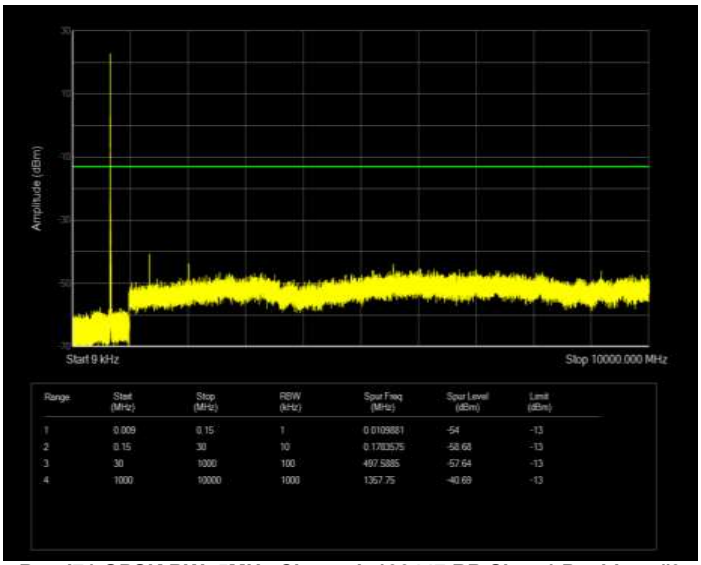
Band71 QPSK BW=20MHz Channel=133372 RB Size=1 Position=#0



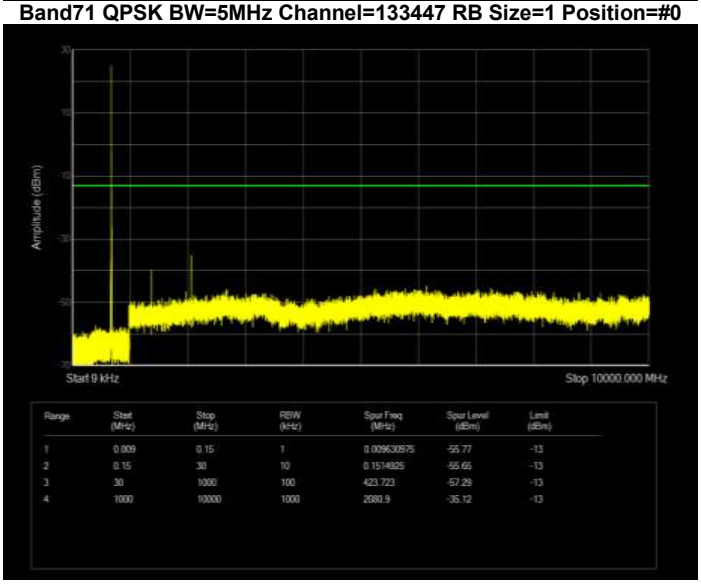
Band71 QPSK BW=5MHz Channel=133147 RB Size=1 Position=#0



Band71 QPSK BW=5MHz Channel=133297 RB Size=1 Position=#0



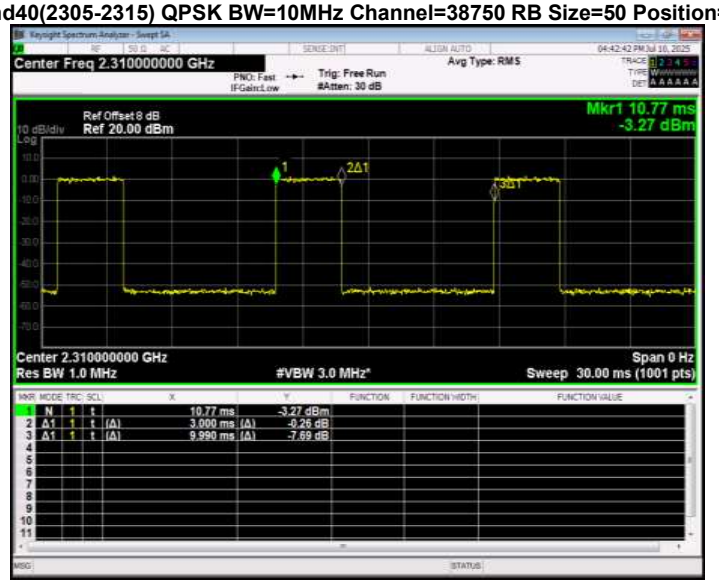
Band71 QPSK BW=5MHz Channel=133447 RB Size=1 Position=#0



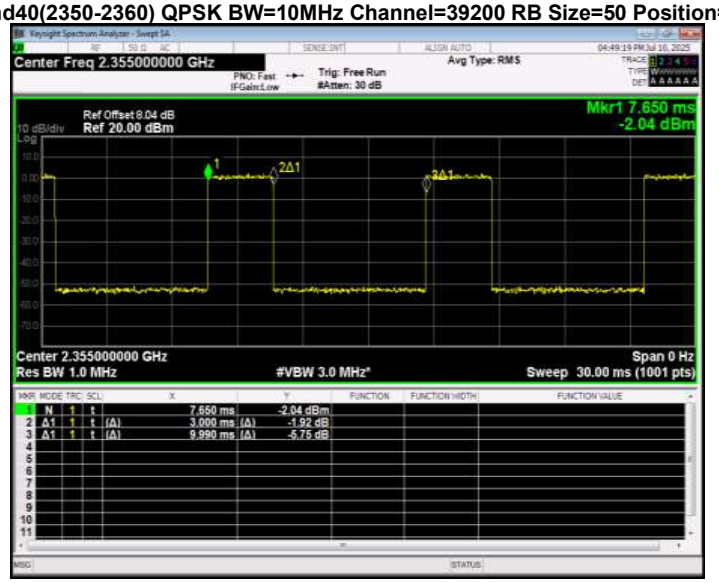
LTE Duty Cycle

Band	Bandwidth (MHz)	UL Channel	Ton (ms)	Tn (ms)	Duty Cycle (%)	high Limit (%)	Verdict
Band40(2305-2315)	10	38750	3.000	9.990	30.03	38	PASS
Band40(2350-2360)	10	39200	3.000	9.990	30.03	38	PASS

Band40(2305-2315) QPSK BW=10MHz Channel=38750 RB Size=50 Position=#0



Band40(2350-2360) QPSK BW=10MHz Channel=39200 RB Size=50 Position=#0



RADIATED SPURIOUS EMISSION
Note:
(1) Spurious emissions which are attenuated by more than 20dB below the permissible value for frequeny below 1000MHz.
(2) Test is divided into three directions, X/Y/Z. X pattern for the worst.

LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
3720.16	-31.15	7.00	12.93	-37.08	-13.00	-24.08	H
5580.33	-27.18	8.40	17.11	-35.89	-13.00	-22.89	H
7439.86	-20.82	8.10	22.20	**-34.92**	-13.00	-21.92	H
3720.16	-31.30	7.00	12.93	-37.23	-13.00	-24.23	V
5580.33	-27.04	8.40	17.11	-35.75	-13.00	-22.75	V
7439.86	-20.94	8.10	22.20	-35.04	-13.00	-22.04	V
LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
3759.95	-31.81	7.00	12.93	-37.74	-13.00	-24.74	H
5640.28	-27.28	8.40	17.11	-35.99	-13.00	-22.99	H
7520.28	-20.12	8.10	22.20	**-34.22**	-13.00	-21.22	H
3759.95	-32.29	7.00	12.93	-38.22	-13.00	-25.22	V
5640.28	-26.28	8.40	17.11	-34.99	-13.00	-21.99	V
7520.28	-20.51	8.10	22.20	-34.61	-13.00	-21.61	V
LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
3800.04	-32.17	7.00	12.93	-38.10	-13.00	-25.10	H
5700.15	-26.30	8.40	17.11	-35.01	-13.00	-22.01	H
7599.85	-20.65	8.10	22.20	**-34.75**	-13.00	-21.75	H
3800.04	-32.16	7.00	12.93	-38.09	-13.00	-25.09	V
5700.15	-26.22	8.40	17.11	-34.93	-13.00	-21.93	V
7599.85	-20.90	8.10	22.20	-35.00	-13.00	-22.00	V

LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
3439.91	-31.19	7.20	12.56	-36.55	-13.00	-23.55	H
5159.98	-26.87	8.10	16.32	-35.09	-13.00	-22.09	H
6880.78	-20.64	8.30	21.13	**-33.47**	-13.00	-20.47	H
3439.91	-31.32	7.20	12.56	-36.68	-13.00	-23.68	V
5159.98	-26.52	8.10	16.32	-34.74	-13.00	-21.74	V
6880.78	-20.97	8.30	21.13	-33.80	-13.00	-20.80	V
LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
3465.03	-31.33	7.20	12.56	-36.69	-13.00	-23.69	H
5196.55	-26.58	8.10	16.32	-34.80	-13.00	-21.80	H
6929.58	-20.03	8.30	21.13	**-32.86**	-13.00	-19.86	H
3465.03	-31.04	7.20	12.56	-36.40	-13.00	-23.40	V
5196.55	-26.07	8.10	16.32	-34.29	-13.00	-21.29	V
6929.58	-20.51	8.30	21.13	-33.34	-13.00	-20.34	V
LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
3490.71	-31.49	7.20	12.56	-36.85	-13.00	-23.85	H
5235.18	-26.48	8.10	16.32	-34.70	-13.00	-21.70	H
6979.40	-20.20	8.30	21.13	**-33.03**	-13.00	-20.03	H
3490.71	-32.12	7.20	12.56	-37.48	-13.00	-24.48	V
5235.18	-26.85	8.10	16.32	-35.07	-13.00	-22.07	V
6979.40	-20.85	8.30	21.13	-33.68	-13.00	-20.68	V

LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
1657.96	-33.73	7.40	9.72	-36.05	-13.00	-23.05	H
2486.32	-32.04	8.30	10.86	-34.60	-13.00	-21.60	H
3315.27	-29.75	7.20	11.57	-34.12	-13.00	-21.12	H
1657.96	-34.12	7.40	9.72	-36.44	-13.00	-23.44	V
2486.32	-32.78	8.30	10.86	-35.34	-13.00	-22.34	V
3315.27	-29.74	7.20	11.57	**-34.11**	-13.00	-21.11	V
LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
1672.55	-33.83	7.40	9.72	-36.15	-13.00	-23.15	H
2509.09	-32.13	8.30	10.86	-34.69	-13.00	-21.69	H
3345.38	-29.11	7.20	11.57	**-33.48**	-13.00	-20.48	H
1672.55	-33.45	7.40	9.72	-35.77	-13.00	-22.77	V
2509.09	-32.84	8.30	10.86	-35.40	-13.00	-22.40	V
3345.38	-29.15	7.20	11.57	-33.52	-13.00	-20.52	V
LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
1687.63	-33.79	7.40	9.72	-36.11	-13.00	-23.11	H
2531.39	-33.33	8.30	10.86	-35.89	-13.00	-22.89	H
3375.84	-29.17	7.20	11.57	-33.54	-13.00	-20.54	H
1687.63	-34.11	7.40	9.72	-36.43	-13.00	-23.43	V
2531.39	-32.05	8.30	10.86	-34.61	-13.00	-21.61	V
3375.84	-29.12	7.20	11.57	**-33.49**	-13.00	-20.49	V

LTE Band 7 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
5020.96	-40.32	8.00	15.86	-48.18	-25.00	-23.18	H
7531.02	-36.98	8.30	19.28	-47.96	-25.00	-22.96	H
10258.68	-31.21	8.10	23.19	**-46.30**	-25.00	-21.30	H
5020.96	-40.70	8.00	15.86	-48.56	-25.00	-23.56	V
7531.02	-36.38	8.30	19.28	-47.36	-25.00	-22.36	V
10258.68	-32.09	8.10	23.19	-47.18	-25.00	-22.18	V
LTE Band 7 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
5069.90	-41.13	8.00	15.86	-48.99	-25.00	-23.99	H
7604.95	-36.97	8.30	19.28	-47.95	-25.00	-22.95	H
10139.96	-31.60	8.10	23.19	-46.69	-25.00	-21.69	H
5069.90	-40.95	8.00	15.86	-48.81	-25.00	-23.81	V
7604.95	-36.34	8.30	19.28	-47.32	-25.00	-22.32	V
10139.96	-31.15	8.10	23.19	**-46.24**	-25.00	-21.24	V
LTE Band 7 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
5118.80	-40.47	8.00	15.86	-48.33	-25.00	-23.33	H
7678.42	-36.32	8.30	19.28	-47.30	-25.00	-22.30	H
10237.91	-31.40	8.10	23.19	**-46.49**	-25.00	-21.49	H
5118.80	-41.20	8.00	15.86	-49.06	-25.00	-24.06	V
7678.42	-36.92	8.30	19.28	-47.90	-25.00	-22.90	V
10237.91	-31.88	8.10	23.19	-46.97	-25.00	-21.97	V