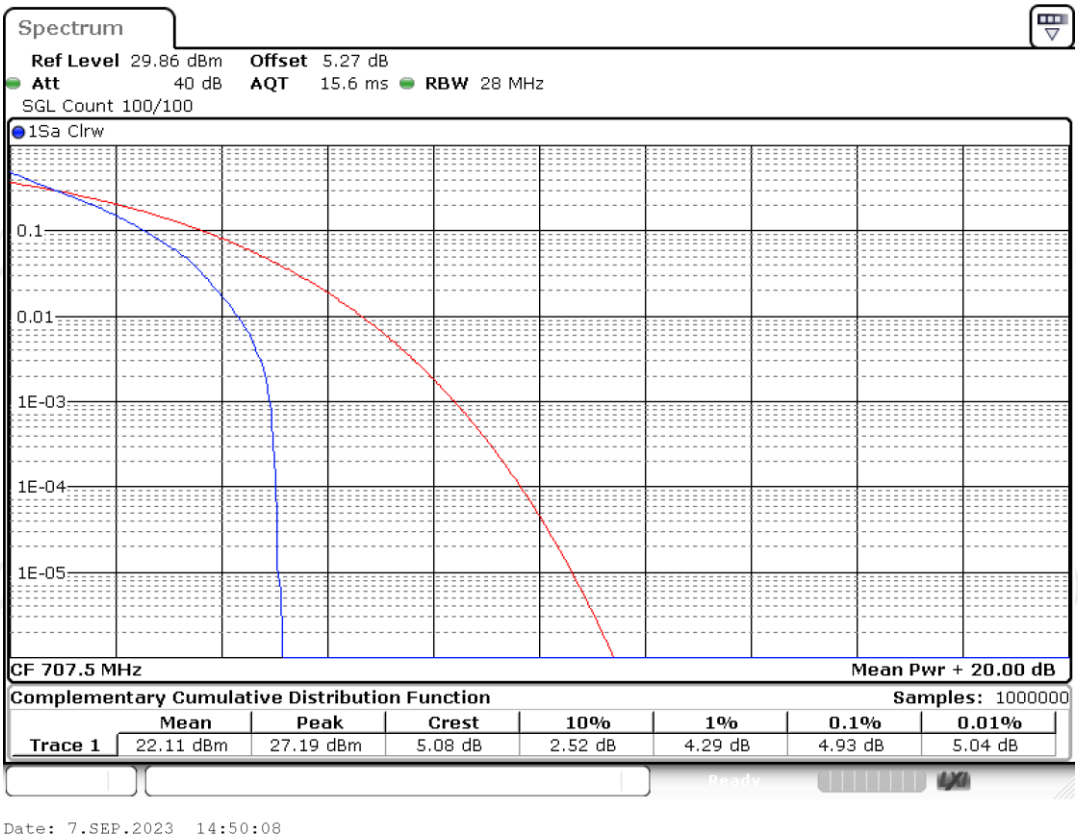
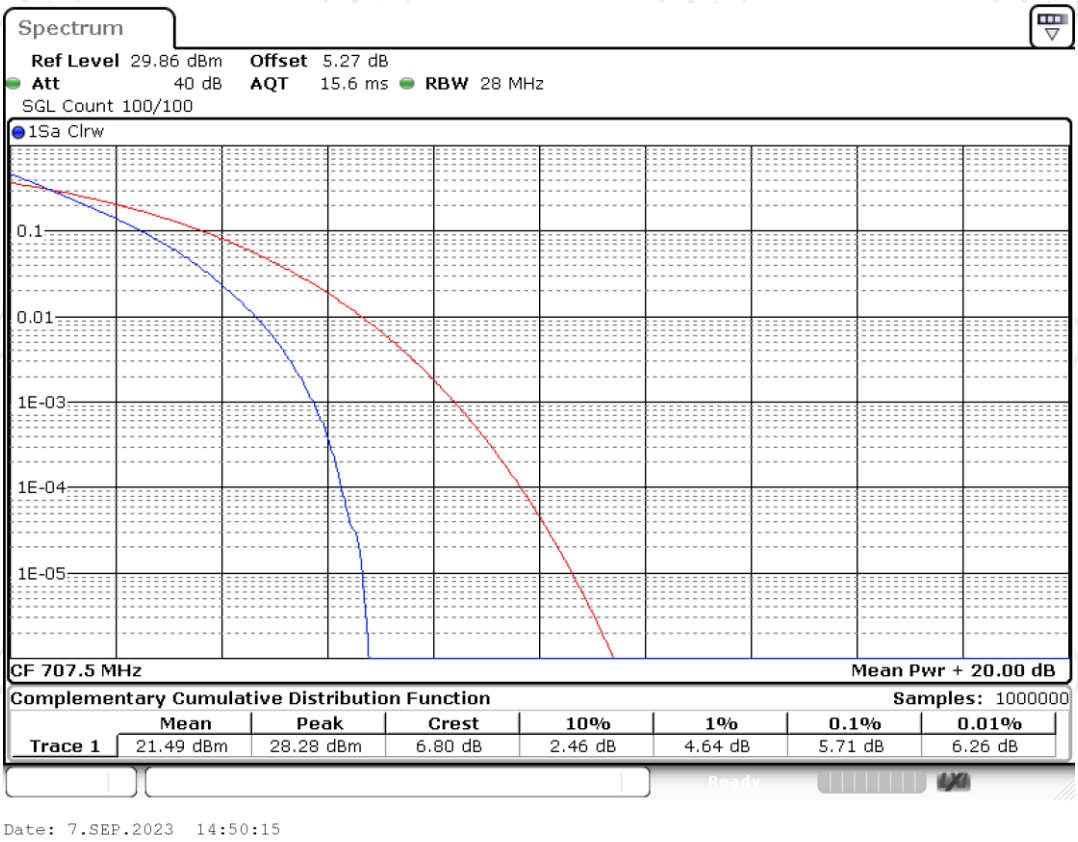


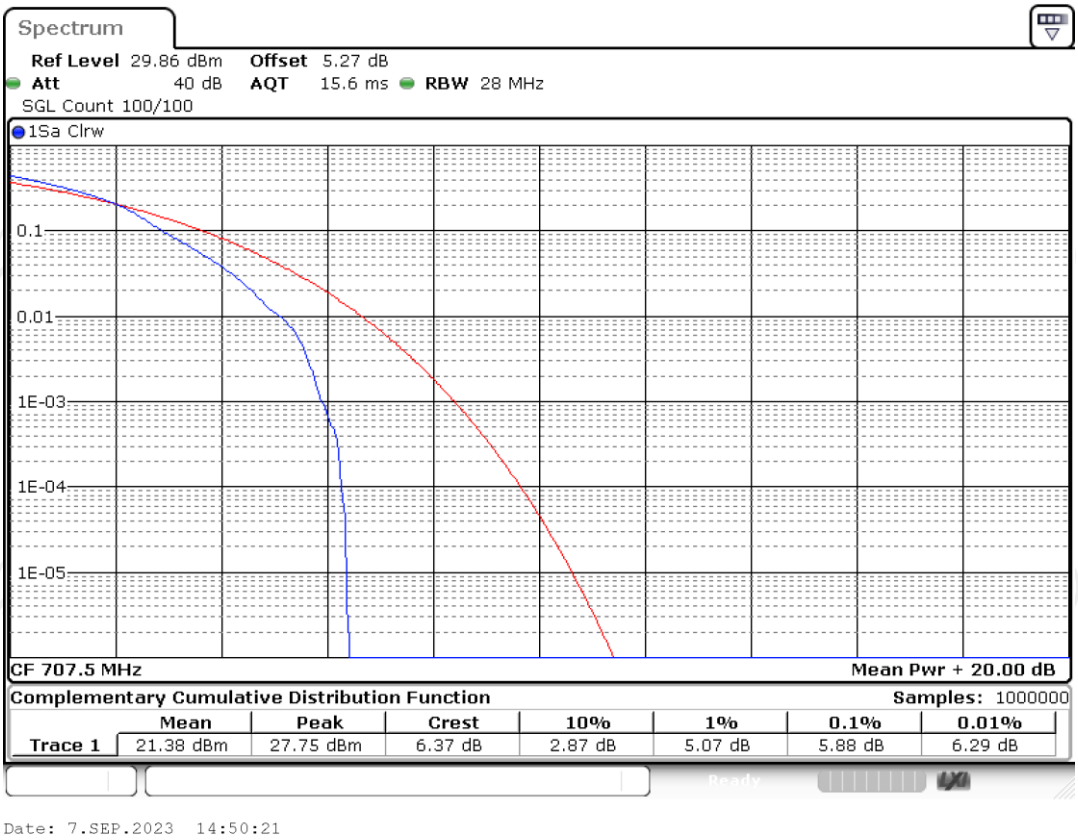
Date: 7.SEP.2023 14:50:08

Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



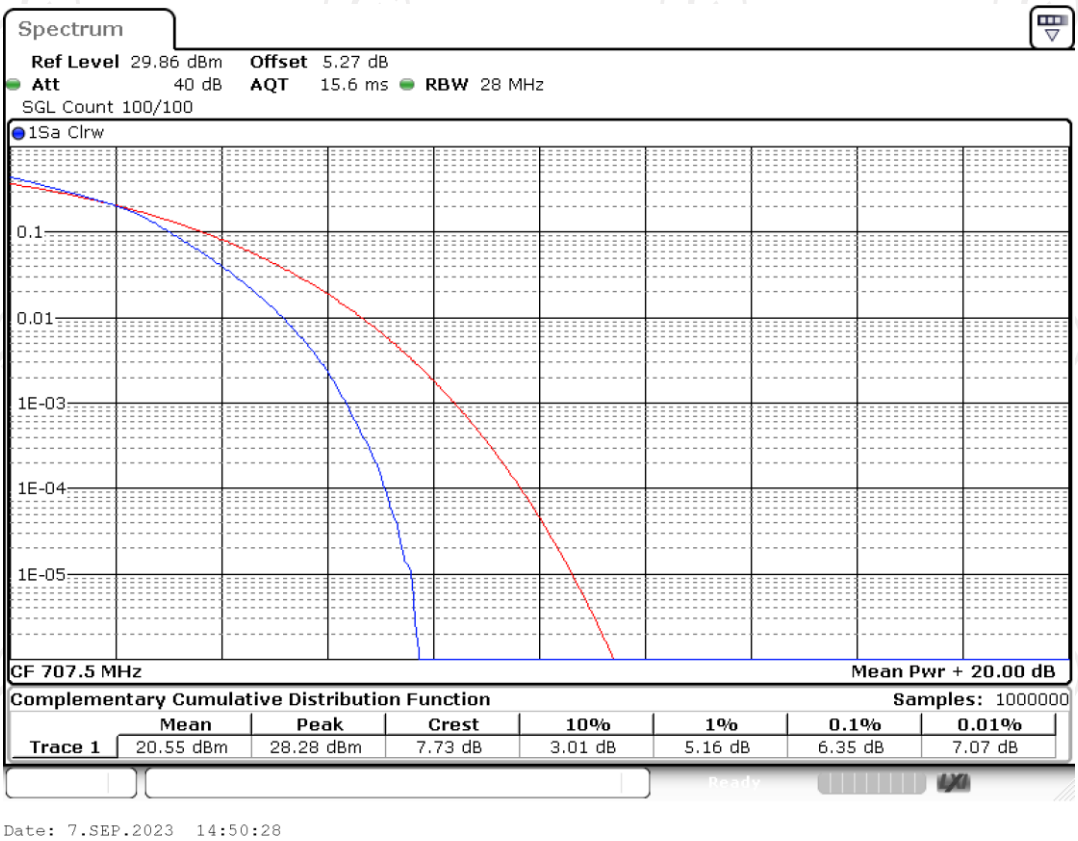
Date: 7.SEP.2023 14:50:15

Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0



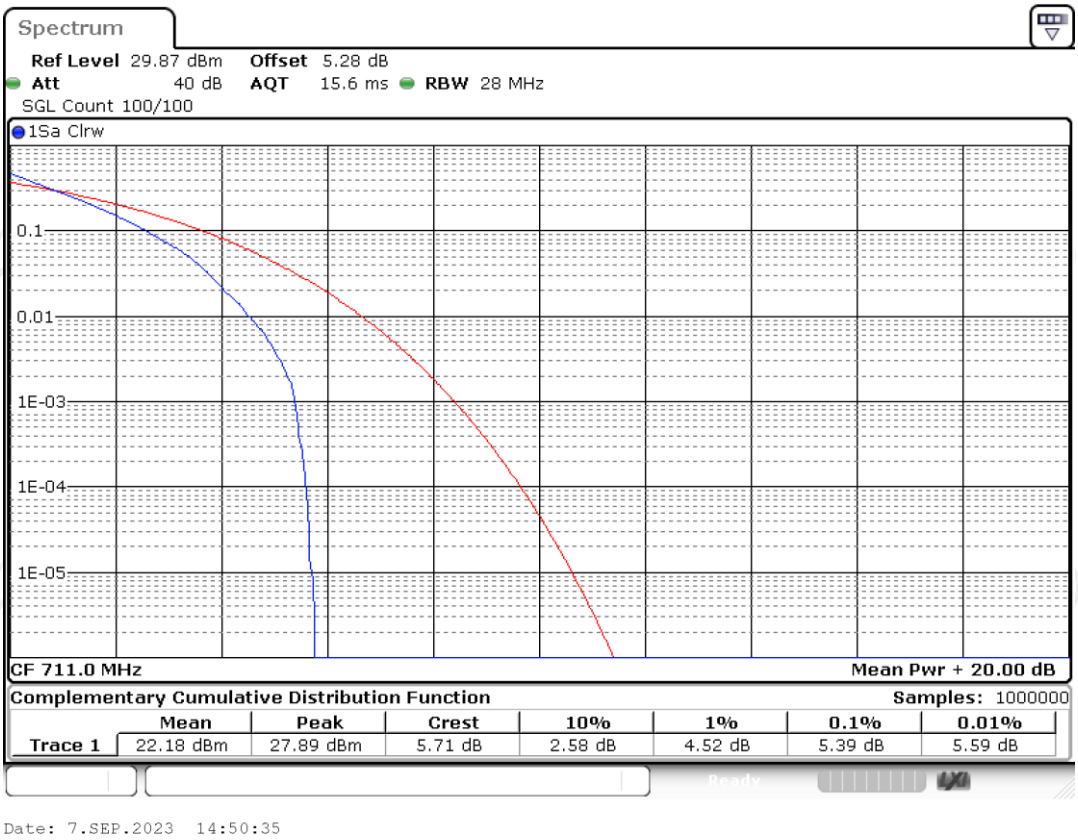
Date: 7.SEP.2023 14:50:21

Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0

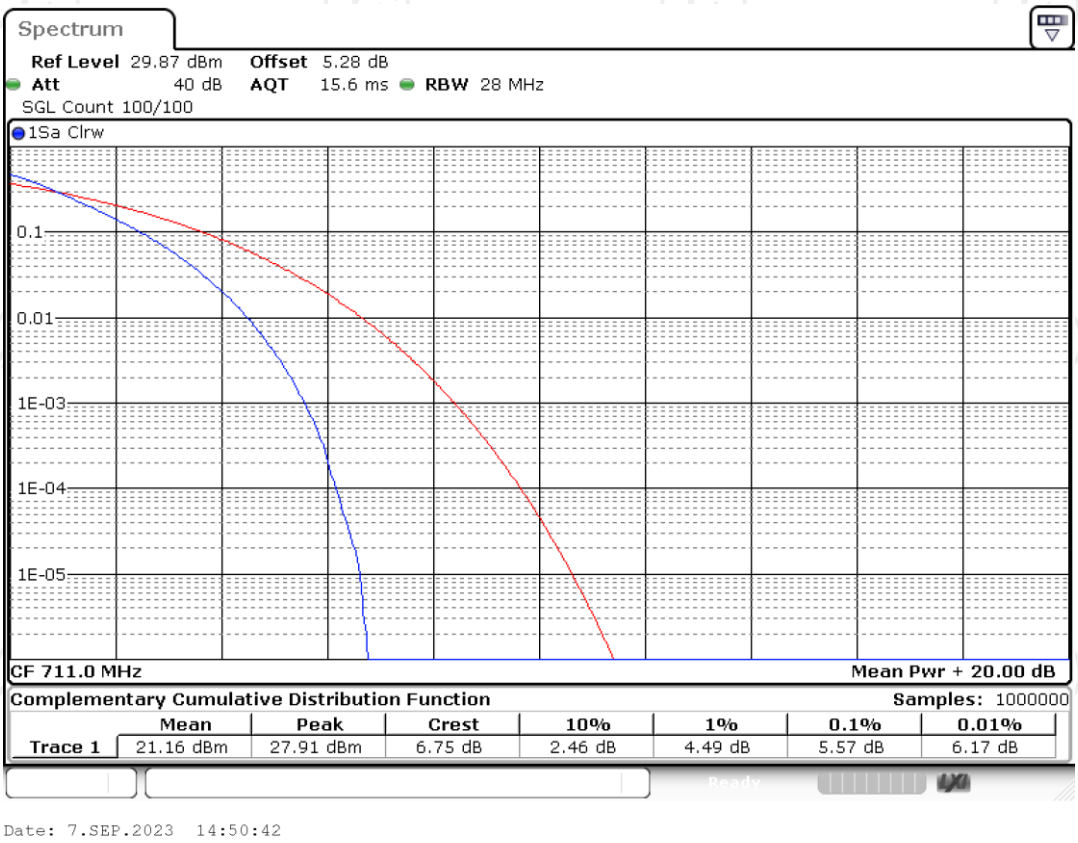


Date: 7.SEP.2023 14:50:28

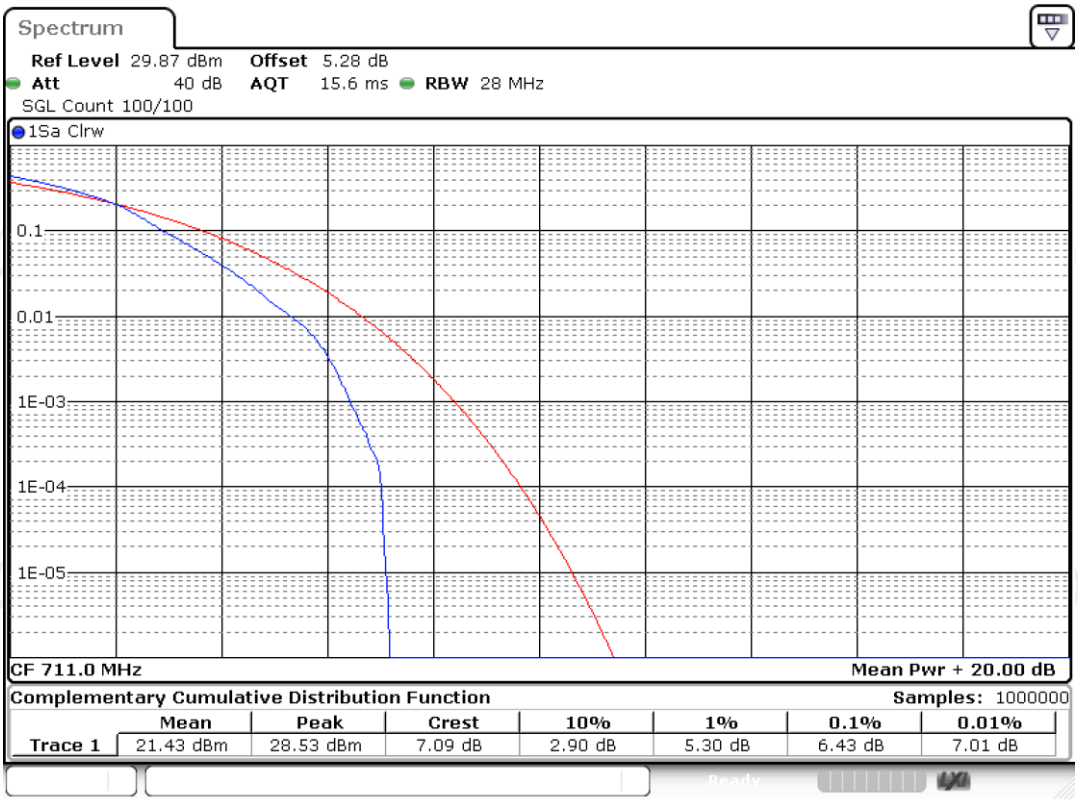
Band12 QPSK BW=10MHz Channel=23130 RB Size=1 Position=#0



Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0

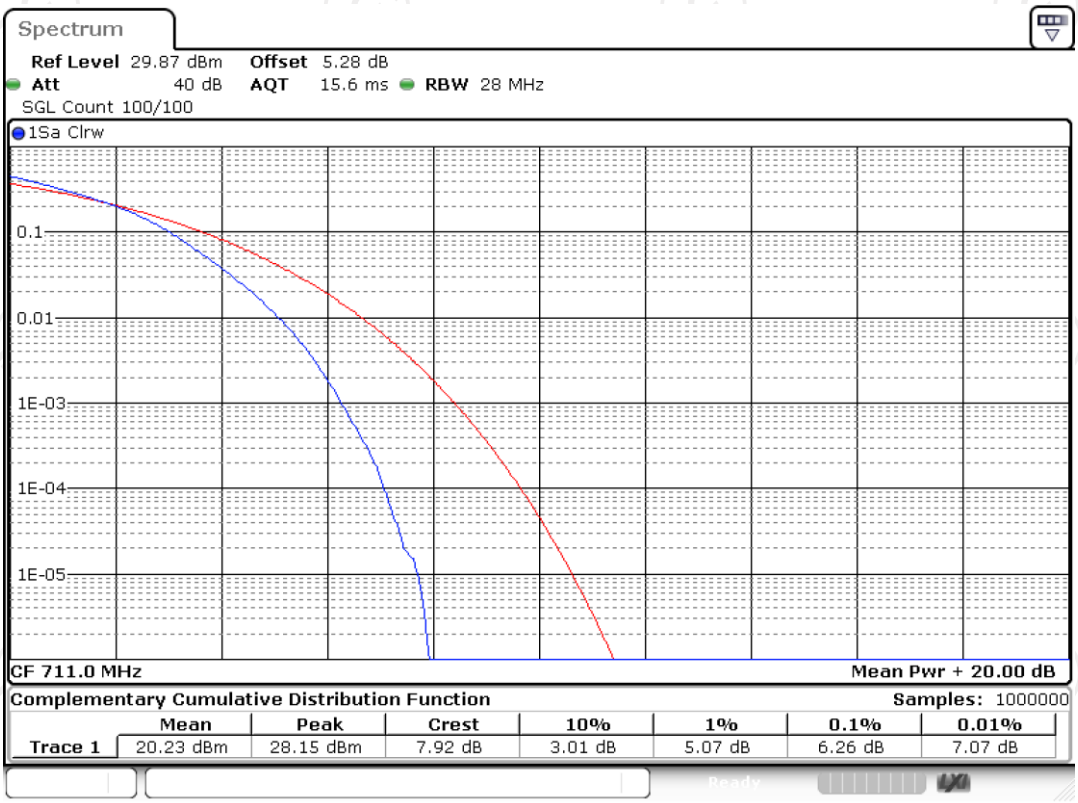


Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0



Date: 7.SEP.2023 14:50:49

Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0



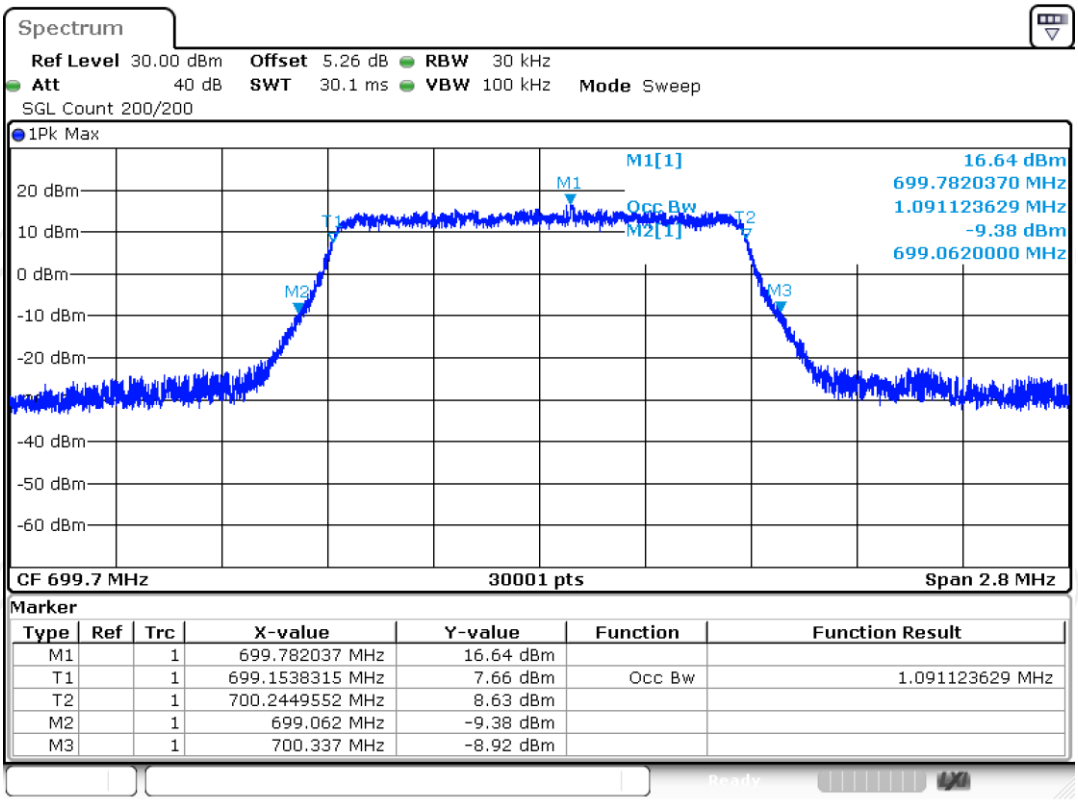
Date: 7.SEP.2023 14:50:56

4 Occupied bandwidth

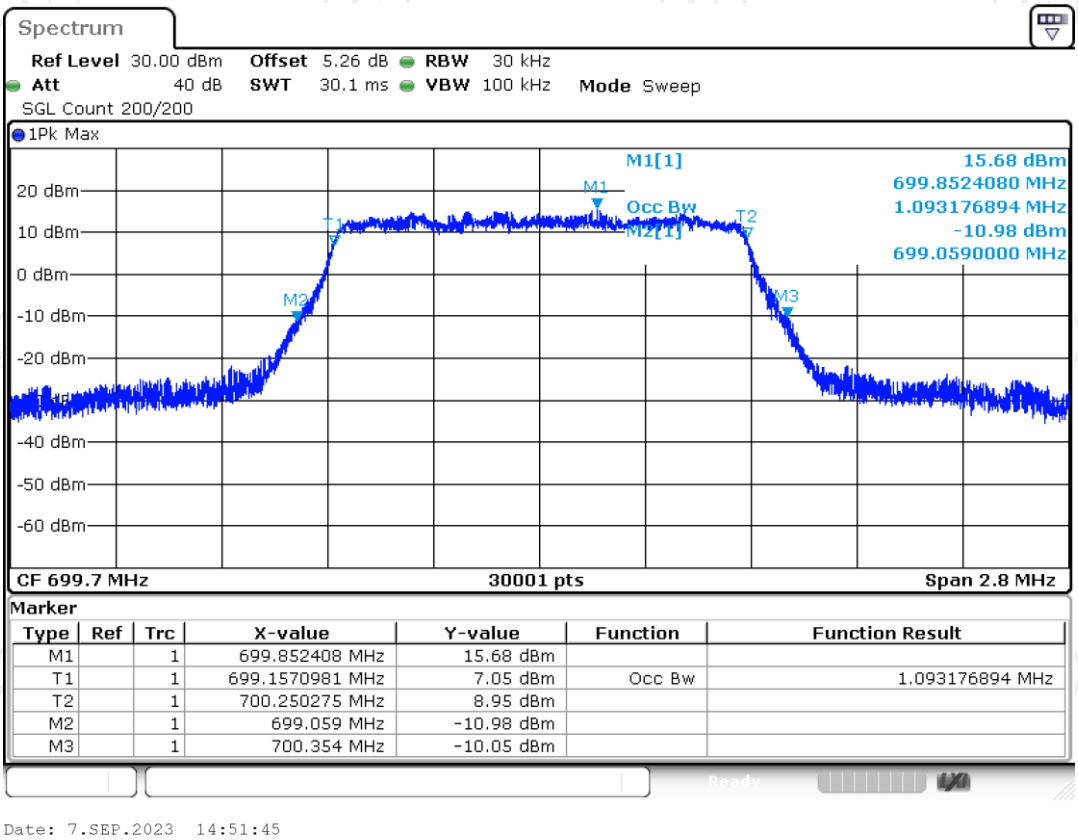
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band12	1.4	23017	6	#0	QPSK	1.091	1.275	PASS
Band12	1.4	23017	6	#0	16QAM	1.093	1.296	PASS
Band12	1.4	23095	6	#0	QPSK	1.091	1.278	PASS
Band12	1.4	23095	6	#0	16QAM	1.093	1.299	PASS
Band12	1.4	23173	6	#0	QPSK	1.091	1.277	PASS
Band12	1.4	23173	6	#0	16QAM	1.093	1.298	PASS
Band12	3	23025	15	#0	QPSK	2.709	2.961	PASS
Band12	3	23025	15	#0	16QAM	2.713	2.984	PASS
Band12	3	23095	15	#0	QPSK	2.709	2.973	PASS
Band12	3	23095	15	#0	16QAM	2.713	2.981	PASS
Band12	3	23165	15	#0	QPSK	2.708	2.979	PASS
Band12	3	23165	15	#0	16QAM	2.710	2.974	PASS
Band12	5	23035	25	#0	QPSK	4.494	5.166	PASS
Band12	5	23035	25	#0	16QAM	4.493	5.118	PASS
Band12	5	23095	25	#0	QPSK	4.504	5.223	PASS
Band12	5	23095	25	#0	16QAM	4.500	5.194	PASS
Band12	5	23155	25	#0	QPSK	4.488	5.162	PASS
Band12	5	23155	25	#0	16QAM	4.486	5.114	PASS
Band12	10	23060	50	#0	QPSK	8.970	10.036	PASS
Band12	10	23060	50	#0	16QAM	8.946	10.248	PASS
Band12	10	23095	50	#0	QPSK	9.016	10.167	PASS
Band12	10	23095	50	#0	16QAM	8.999	10.602	PASS
Band12	10	23130	50	#0	QPSK	8.960	9.996	PASS
Band12	10	23130	50	#0	16QAM	8.949	9.951	PASS

Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0

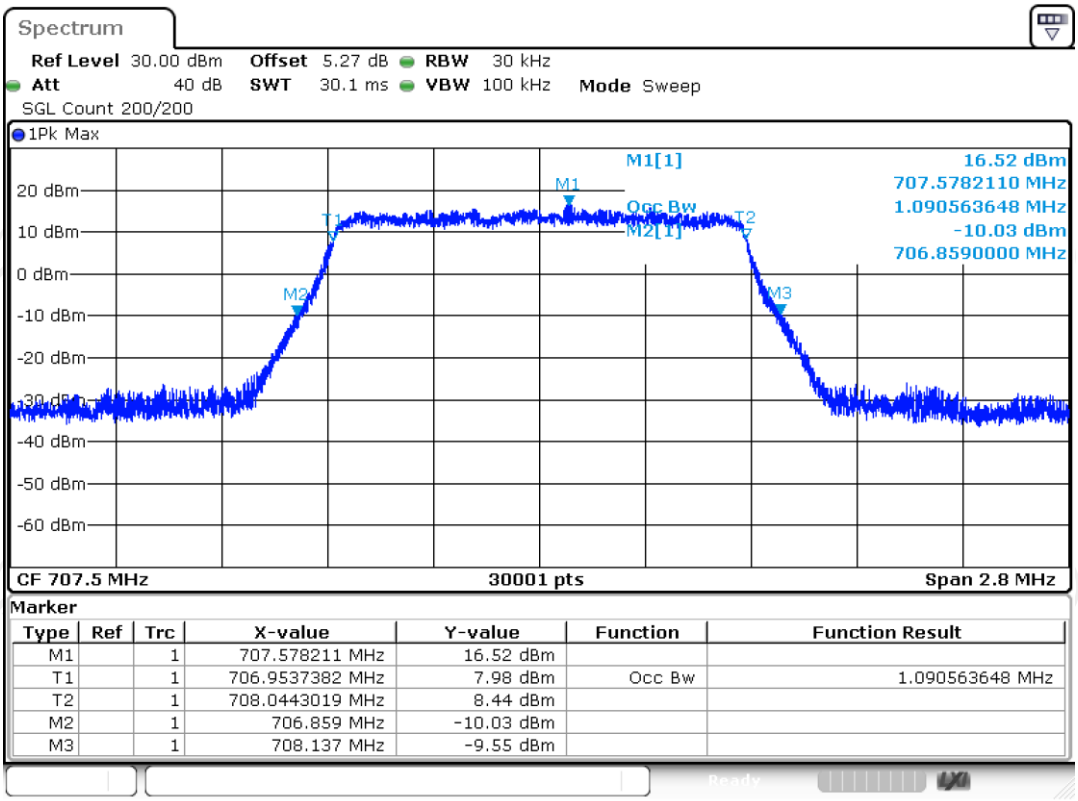
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0

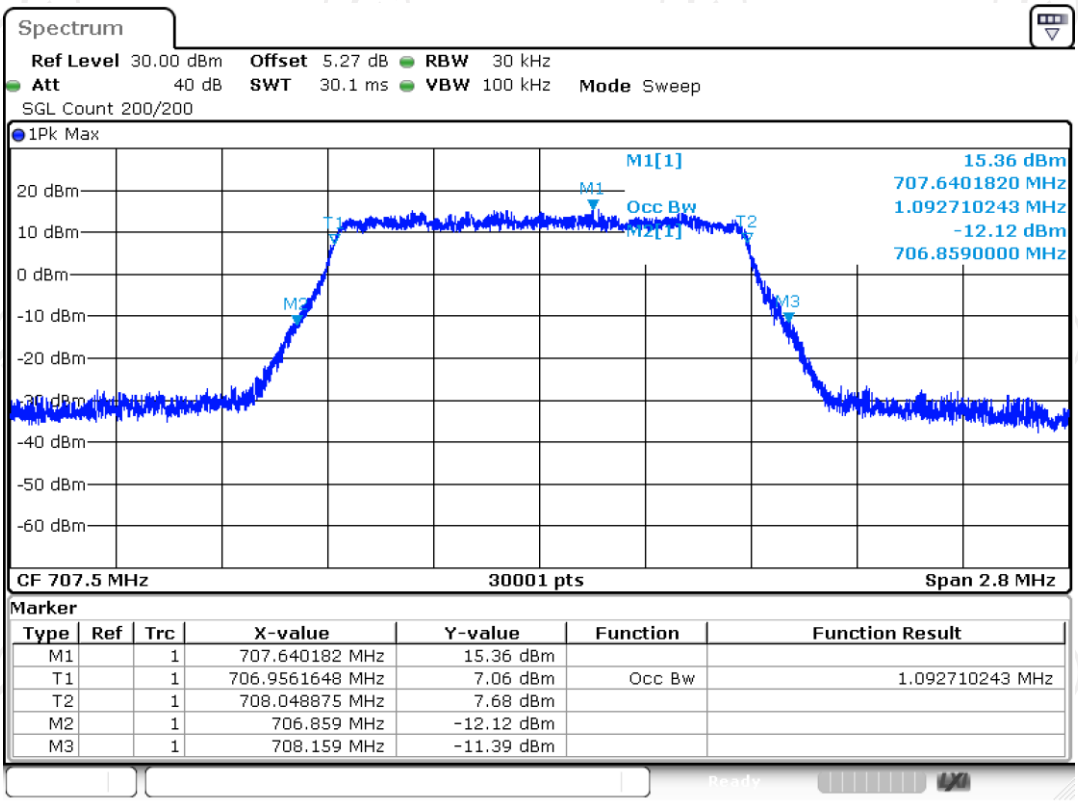


Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



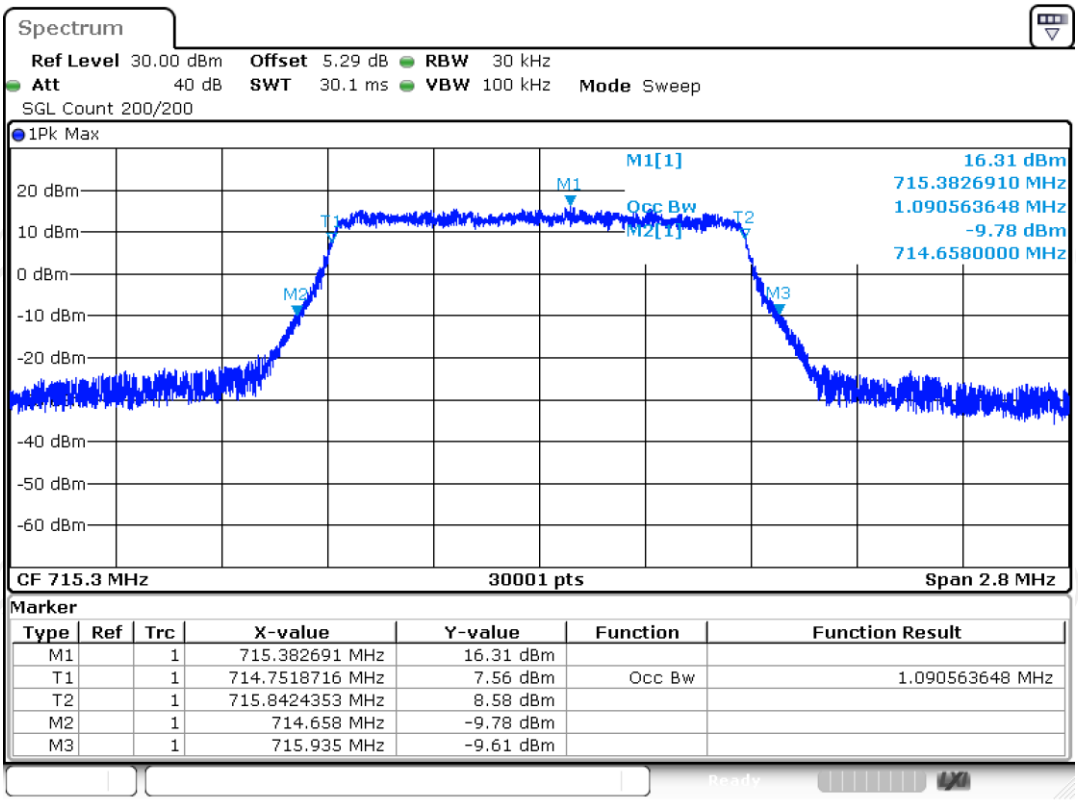
Date: 7.SEP.2023 14:52:04

Band12 16QAM BW=1.4MHz Channel=23095 RB Size=6 Position=#0



Date: 7.SEP.2023 14:52:23

Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0

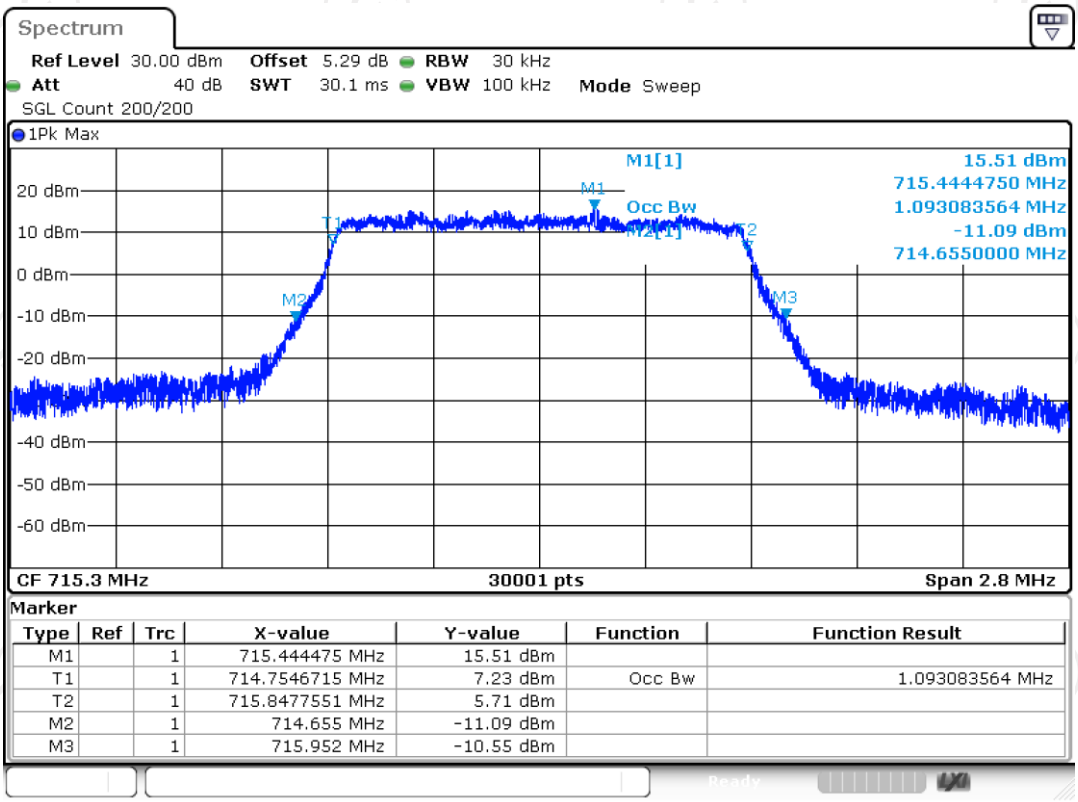


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	715.382691 MHz	16.31 dBm		
T1		1	714.7518716 MHz	7.56 dBm	Occ Bw	1.090563648 MHz
T2		1	715.8424353 MHz	8.58 dBm		
M2		1	714.658 MHz	-9.78 dBm		
M3		1	715.935 MHz	-9.61 dBm		

Date: 7.SEP.2023 14:52:41

Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0

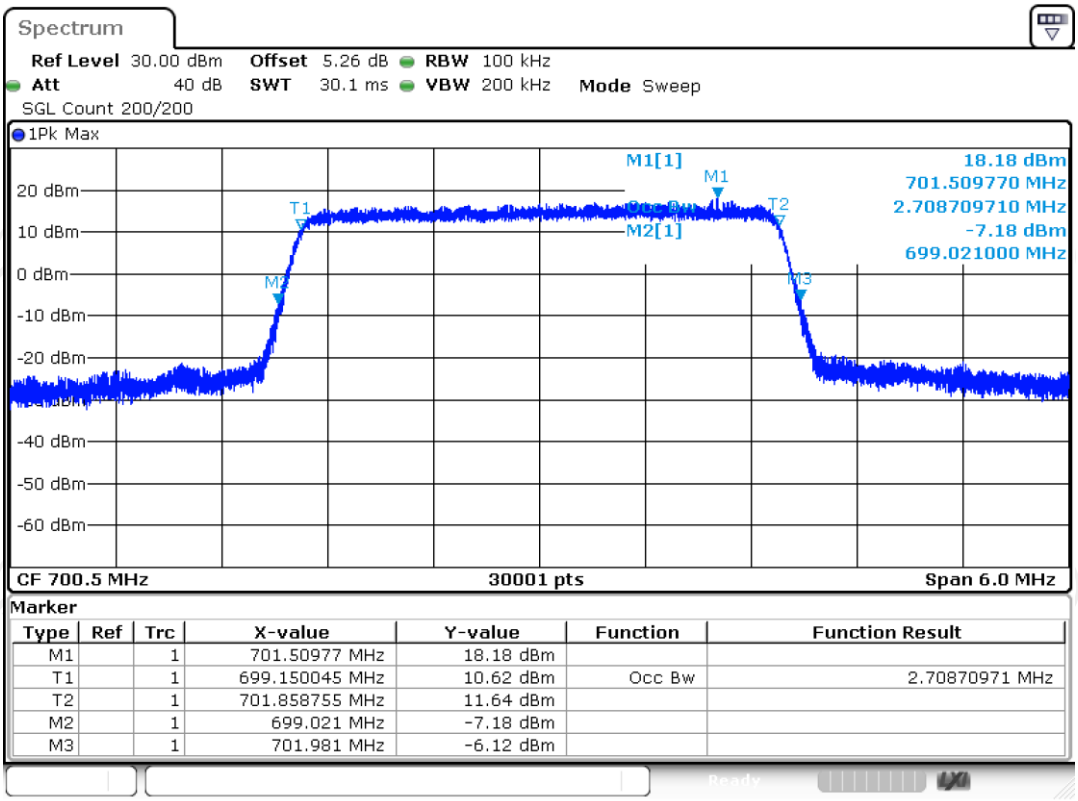


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	715.444475 MHz	15.51 dBm		
T1		1	714.7546715 MHz	7.23 dBm	Occ Bw	1.093083564 MHz
T2		1	715.8477551 MHz	5.71 dBm		
M2		1	714.655 MHz	-11.09 dBm		
M3		1	715.952 MHz	-10.55 dBm		

Date: 7.SEP.2023 14:52:58

Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0

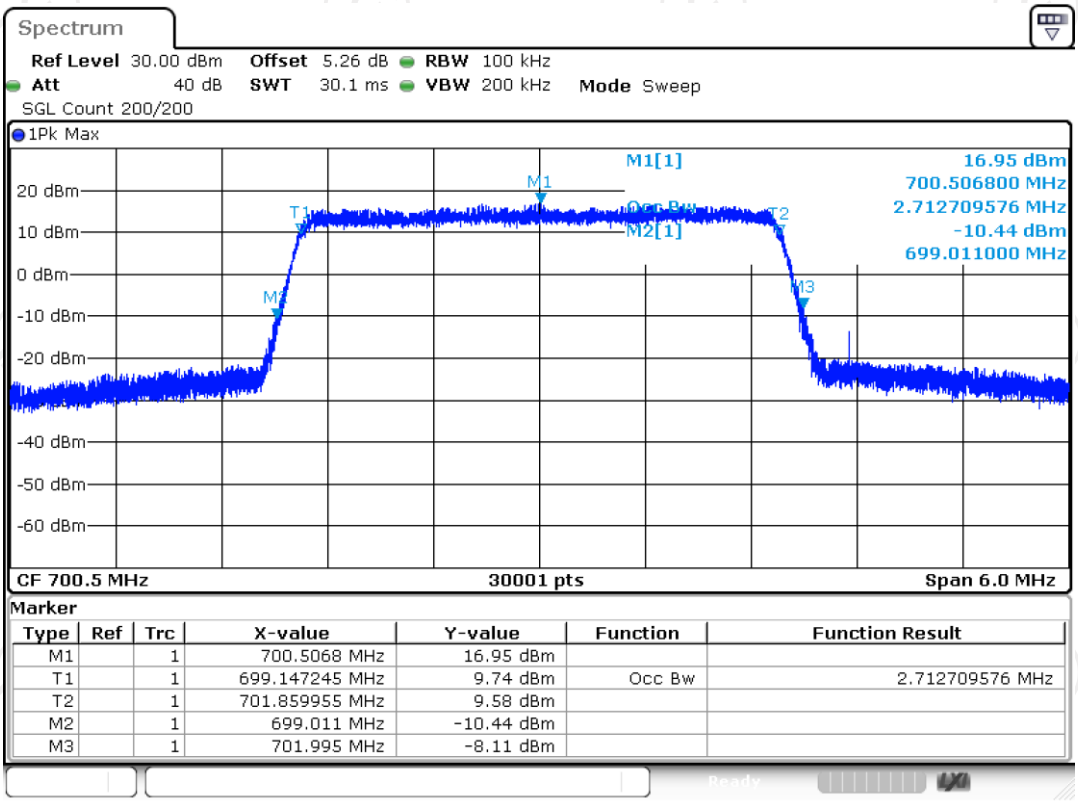


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	701.50977 MHz	18.18 dBm		
T1		1	699.150045 MHz	10.62 dBm	Occ Bw	2.70870971 MHz
T2		1	701.858755 MHz	11.64 dBm		
M2		1	699.021 MHz	-7.18 dBm		
M3		1	701.981 MHz	-6.12 dBm		

Date: 7.SEP.2023 14:53:17

Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0

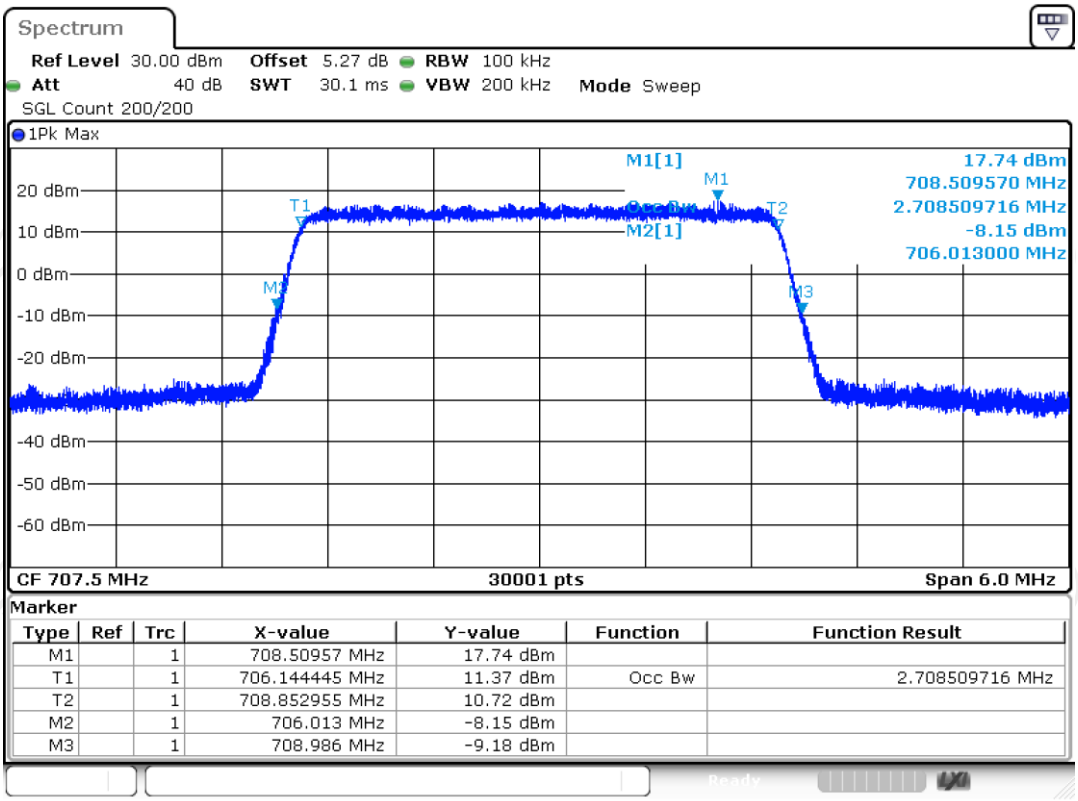


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	700.5068 MHz	16.95 dBm		
T1		1	699.147245 MHz	9.74 dBm	Occ Bw	2.712709576 MHz
T2		1	701.859955 MHz	9.58 dBm		
M2		1	699.011 MHz	-10.44 dBm		
M3		1	701.995 MHz	-8.11 dBm		

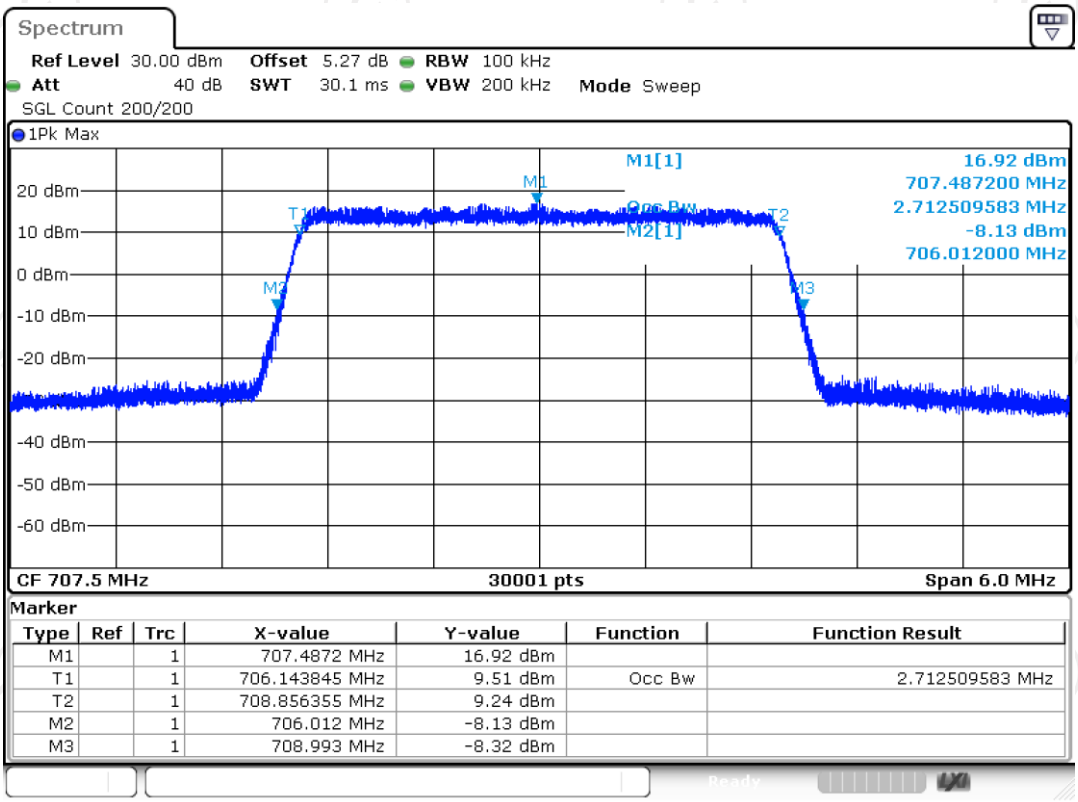
Date: 7.SEP.2023 14:53:34

Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



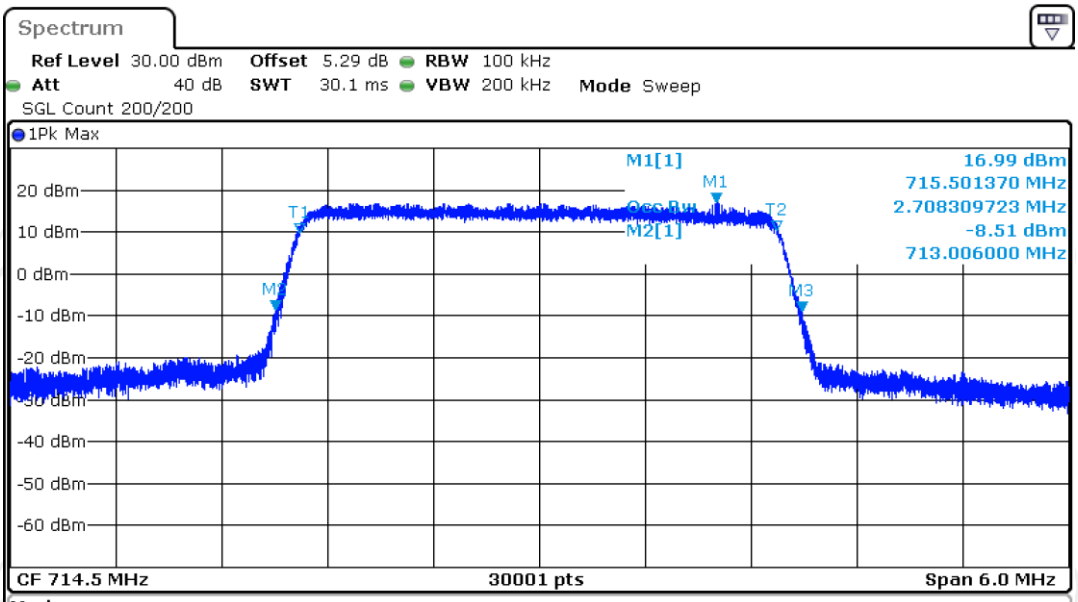
Date: 7.SEP.2023 14:53:52

Band12 16QAM BW=3MHz Channel=23095 RB Size=15 Position=#0



Date: 7.SEP.2023 14:54:10

Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0

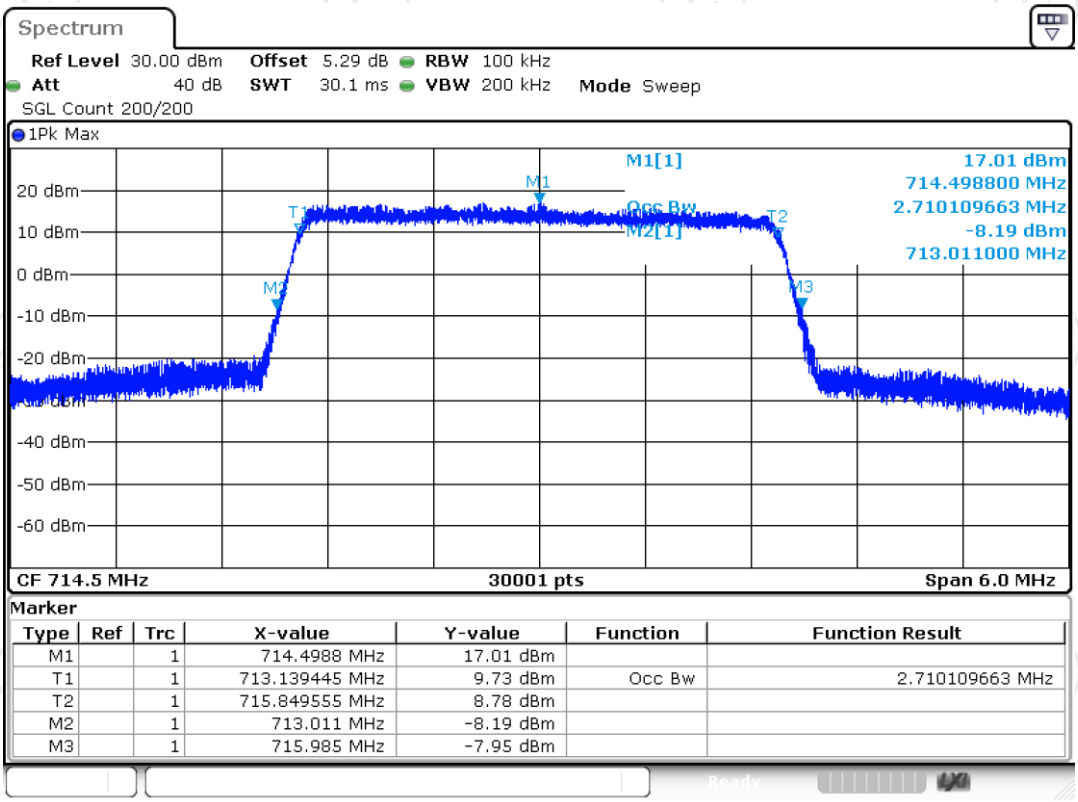


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	715.50137 MHz	16.99 dBm		
T1		1	713.139445 MHz	9.60 dBm	Occ Bw	2.708309723 MHz
T2		1	715.847755 MHz	10.52 dBm		
M2		1	713.006 MHz	-8.51 dBm		
M3		1	715.985 MHz	-9.03 dBm		

Date: 7.SEP.2023 14:54:27

Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0

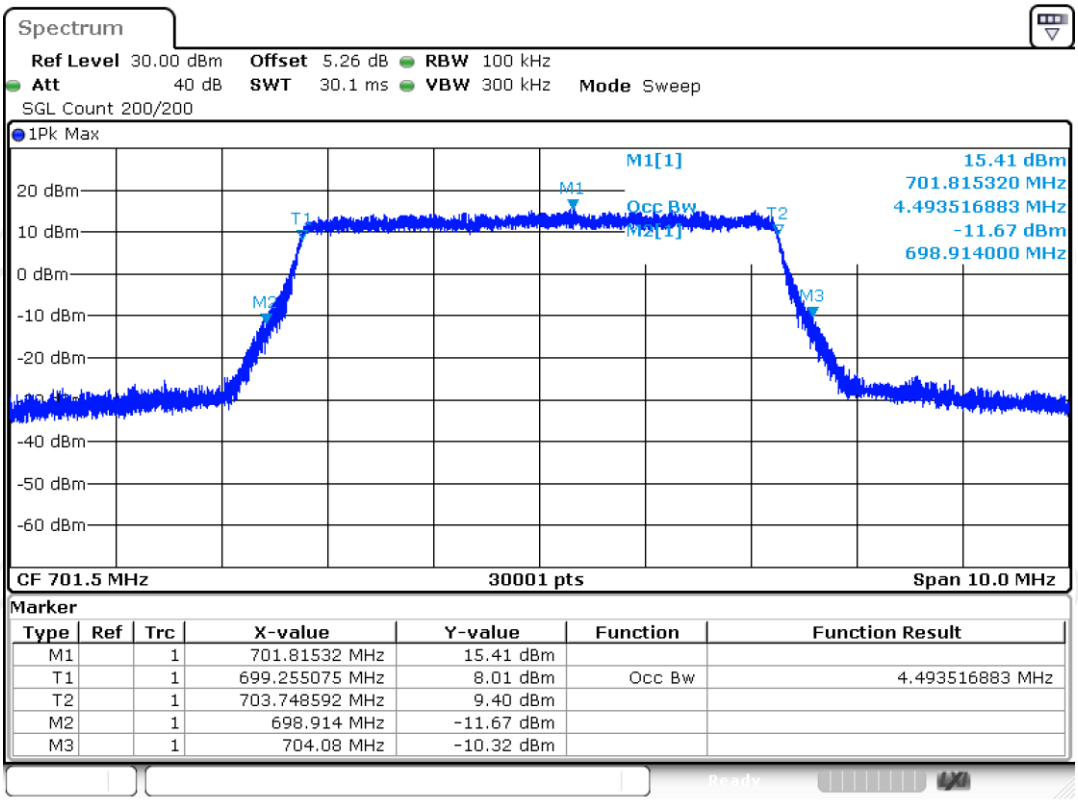


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	714.4988 MHz	17.01 dBm		
T1		1	713.139445 MHz	9.73 dBm	Occ Bw	2.710109663 MHz
T2		1	715.849555 MHz	8.78 dBm		
M2		1	713.011 MHz	-8.19 dBm		
M3		1	715.985 MHz	-7.95 dBm		

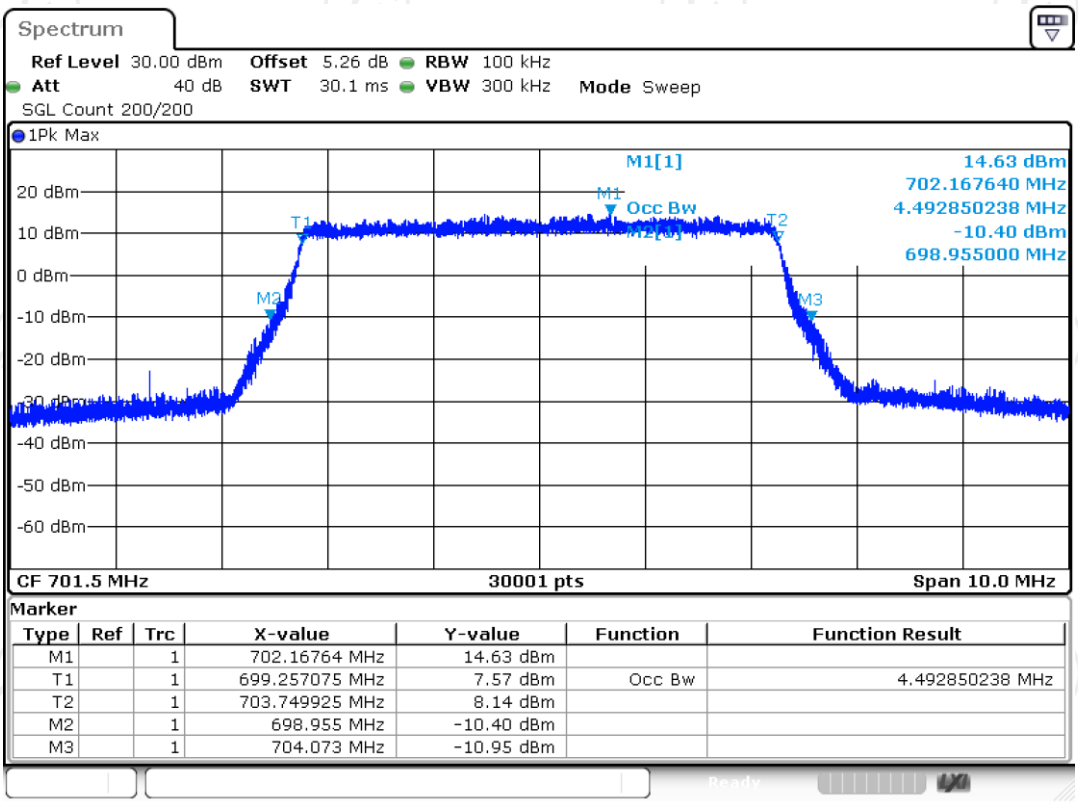
Date: 7.SEP.2023 14:54:44

Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



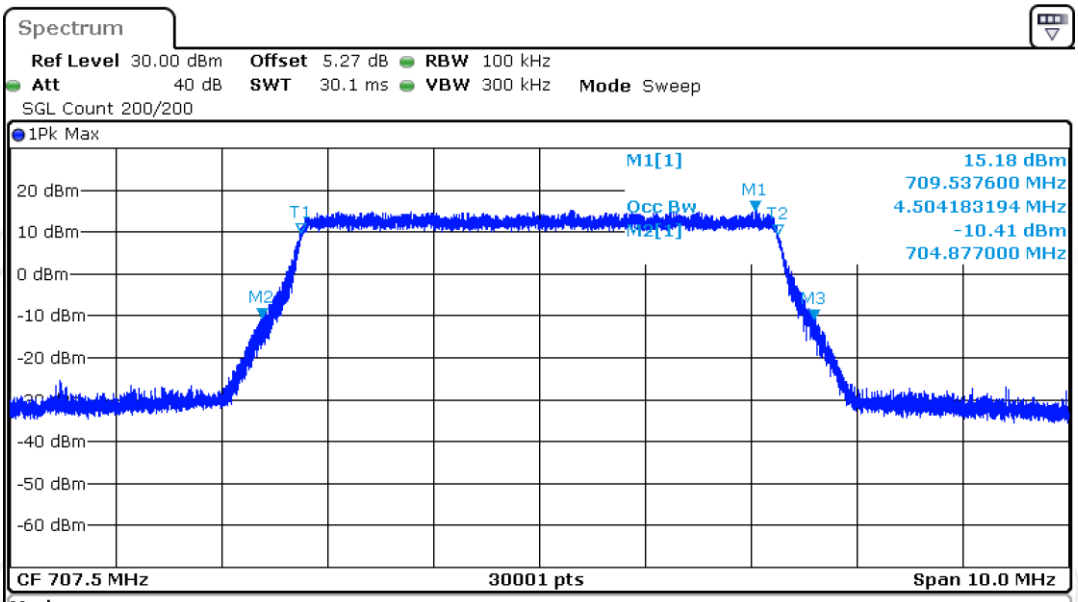
Date: 7.SEP.2023 14:55:03

Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



Date: 7.SEP.2023 14:55:21

Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0

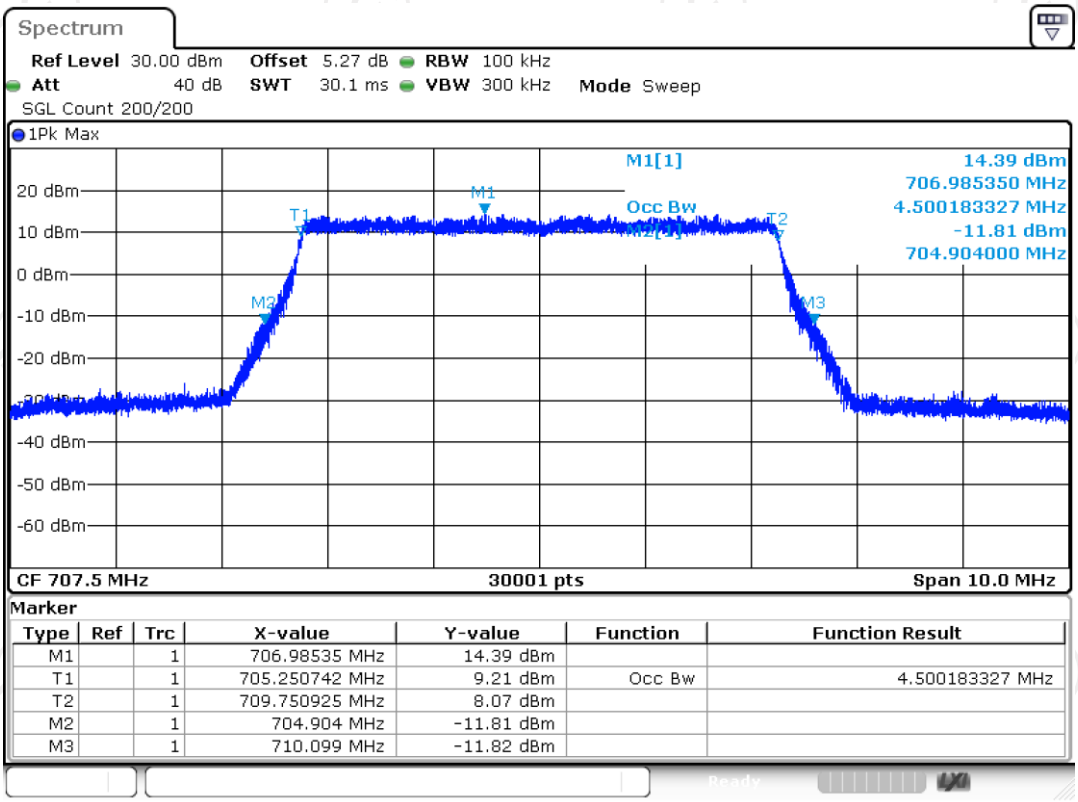


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	709.5376 MHz	15.18 dBm		
T1		1	705.244742 MHz	9.88 dBm	Occ Bw	4.504183194 MHz
T2		1	709.748925 MHz	9.32 dBm		
M2		1	704.877 MHz	-10.41 dBm		
M3		1	710.1 MHz	-10.87 dBm		

Date: 7.SEP.2023 14:55:39

Band12 16QAM BW=5MHz Channel=23095 RB Size=25 Position=#0

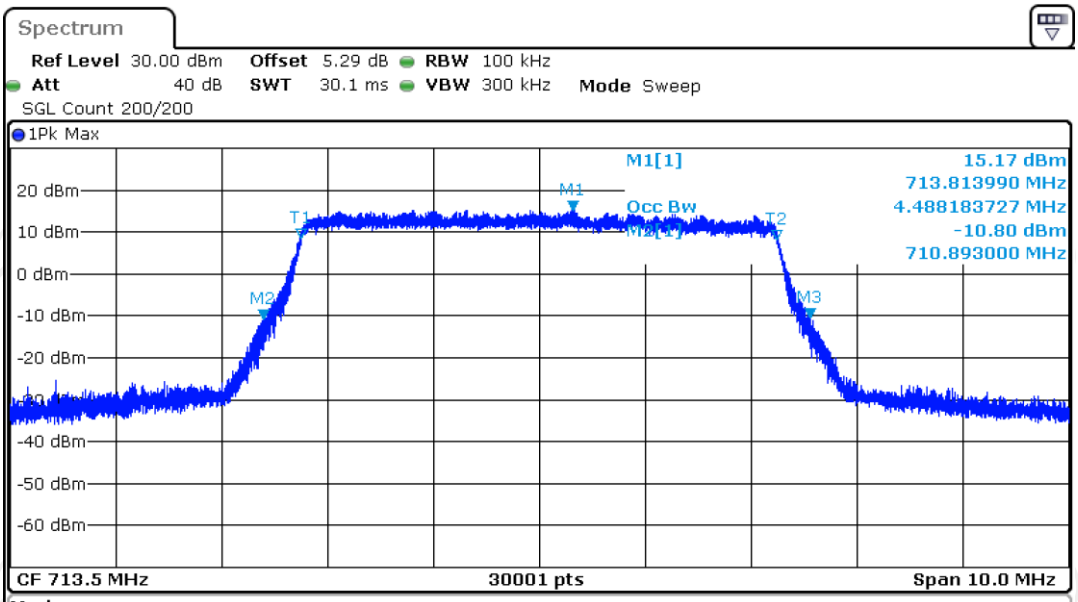


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	706.98535 MHz	14.39 dBm		
T1		1	705.250742 MHz	9.21 dBm	Occ Bw	4.500183327 MHz
T2		1	709.750925 MHz	8.07 dBm		
M2		1	704.904 MHz	-11.81 dBm		
M3		1	710.099 MHz	-11.82 dBm		

Date: 7.SEP.2023 14:55:56

Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0

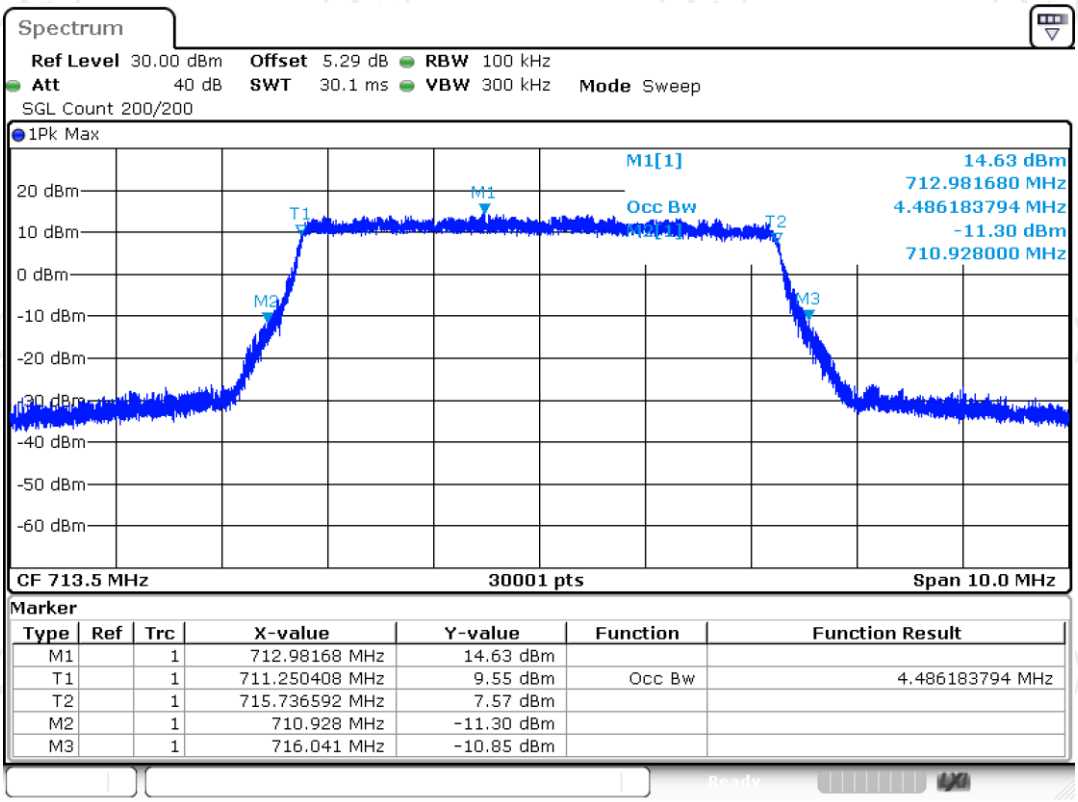


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	713.81399 MHz	15.17 dBm		
T1		1	711.247408 MHz	8.39 dBm	Occ Bw	4.488183727 MHz
T2		1	715.735592 MHz	8.13 dBm		
M2		1	710.893 MHz	-10.80 dBm		
M3		1	716.055 MHz	-10.57 dBm		

Date: 7.SEP.2023 14:56:13

Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0

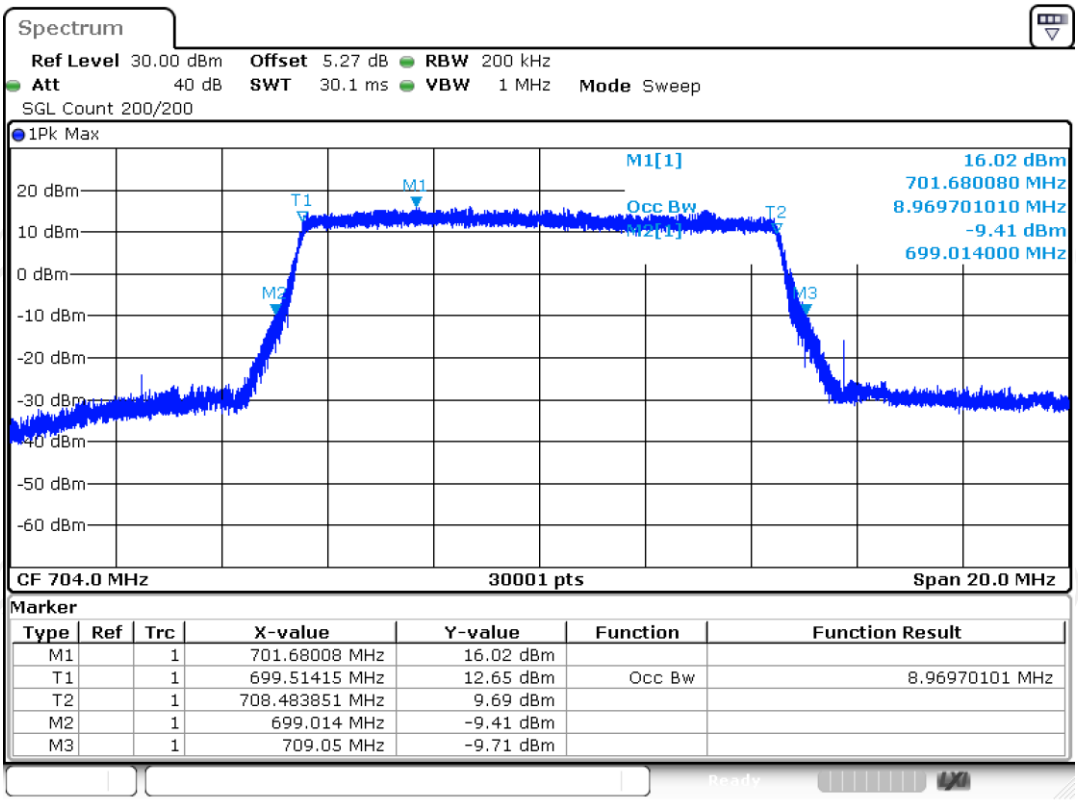


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	712.98168 MHz	14.63 dBm		
T1		1	711.250408 MHz	9.55 dBm	Occ Bw	4.486183794 MHz
T2		1	715.736592 MHz	7.57 dBm		
M2		1	710.928 MHz	-11.30 dBm		
M3		1	716.041 MHz	-10.85 dBm		

Date: 7.SEP.2023 14:56:30

Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0

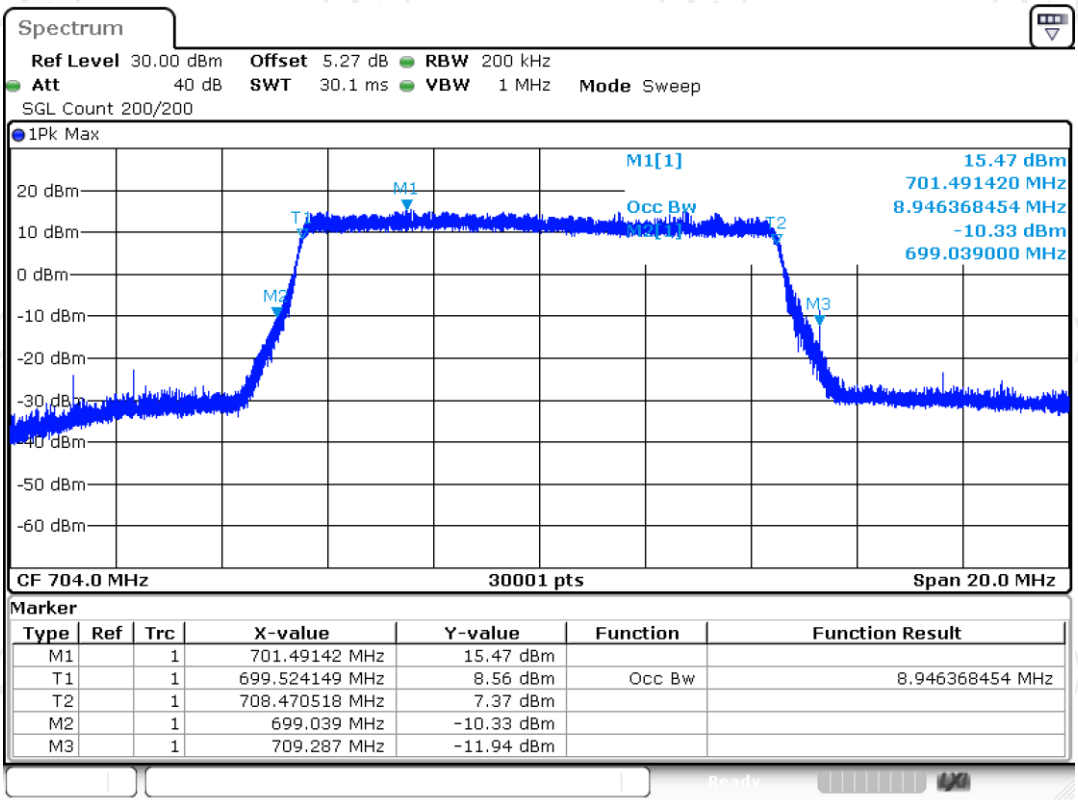


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	701.68008 MHz	16.02 dBm		
T1		1	699.51415 MHz	12.65 dBm	Occ Bw	8.96970101 MHz
T2		1	708.483851 MHz	9.69 dBm		
M2		1	699.014 MHz	-9.41 dBm		
M3		1	709.05 MHz	-9.71 dBm		

Date: 7.SEP.2023 14:56:51

Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0

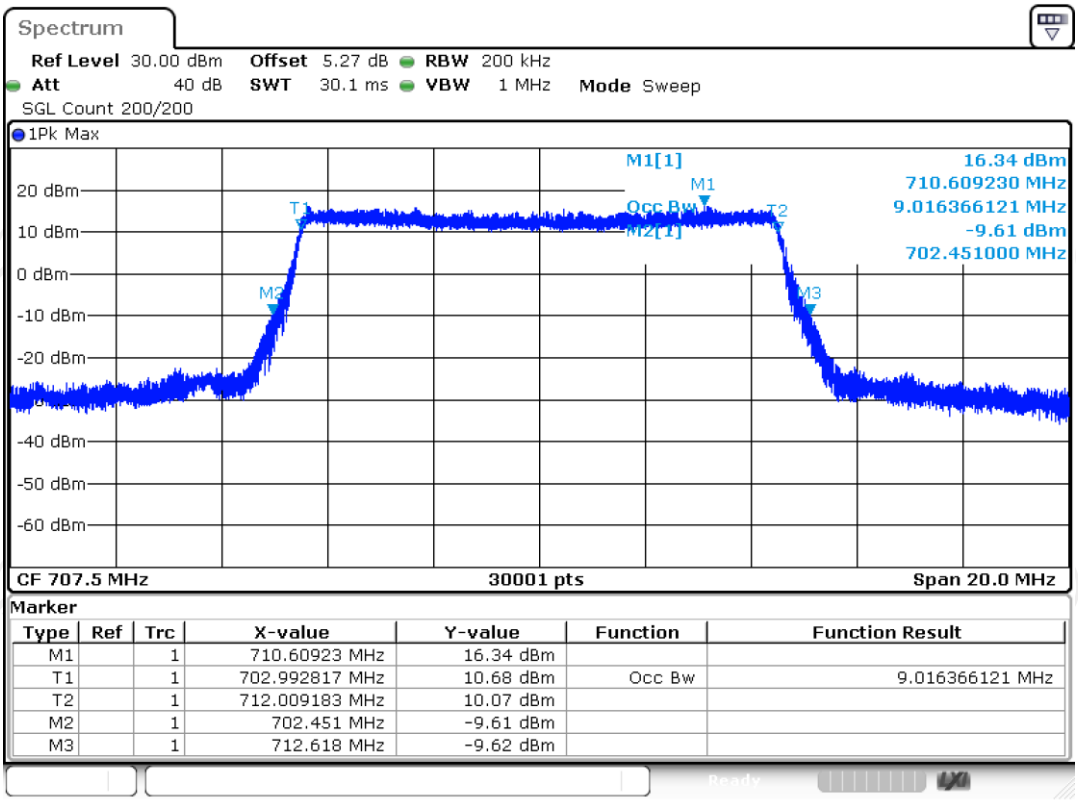


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	701.49142 MHz	15.47 dBm		
T1		1	699.524149 MHz	8.56 dBm	Occ Bw	8.946368454 MHz
T2		1	708.470518 MHz	7.37 dBm		
M2		1	699.039 MHz	-10.33 dBm		
M3		1	709.287 MHz	-11.94 dBm		

Date: 7.SEP.2023 14:57:10

Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0

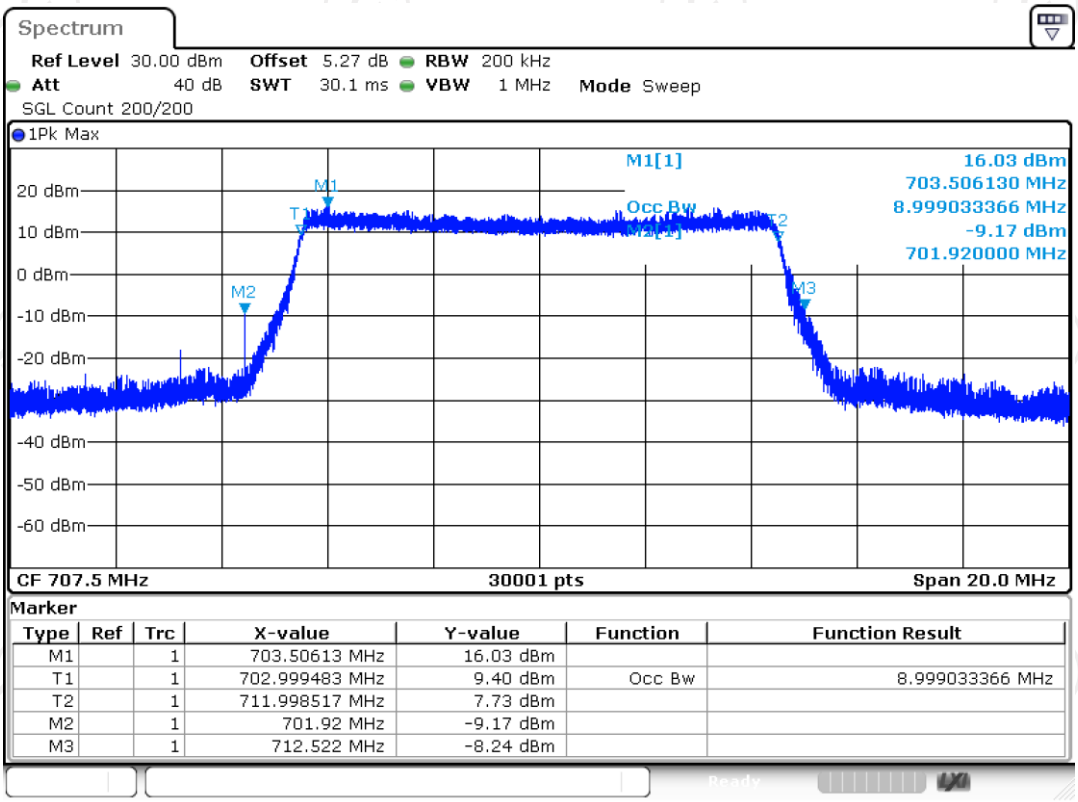


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	710.60923 MHz	16.34 dBm		
T1		1	702.992817 MHz	10.68 dBm	Occ Bw	9.016366121 MHz
T2		1	712.009183 MHz	10.07 dBm		
M2		1	702.451 MHz	-9.61 dBm		
M3		1	712.618 MHz	-9.62 dBm		

Date: 7.SEP.2023 14:57:28

Band12 16QAM BW=10MHz Channel=23095 RB Size=50 Position=#0

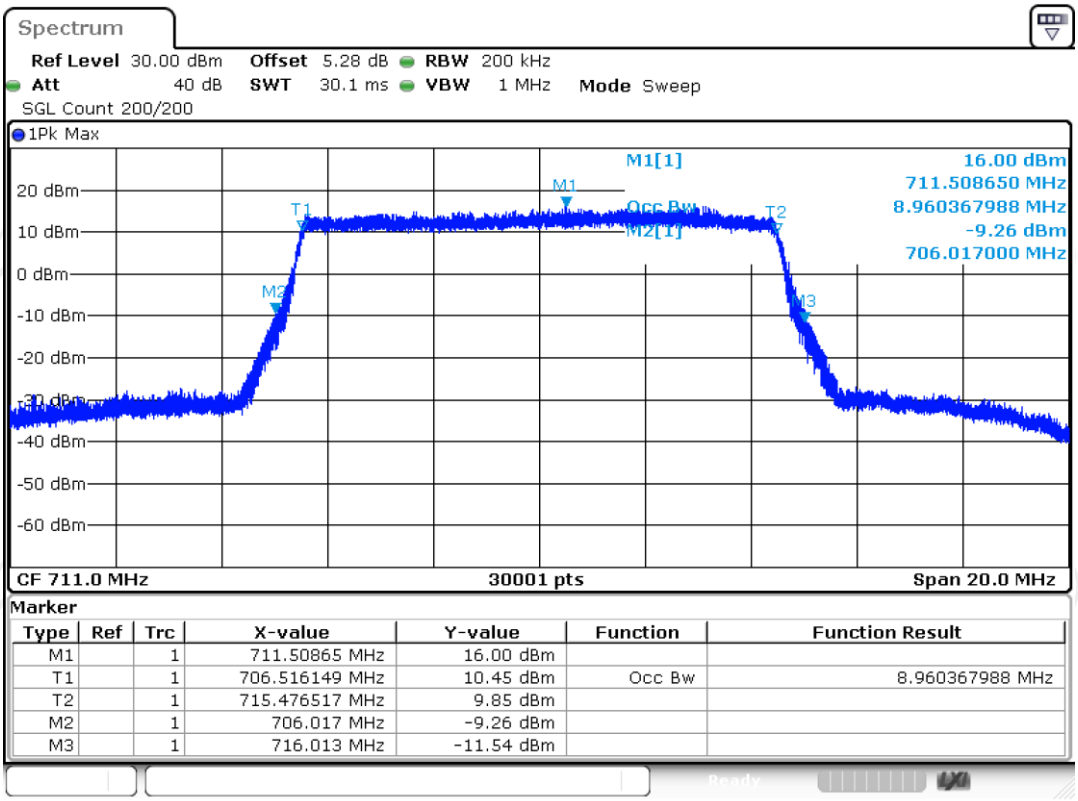


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	703.50613 MHz	16.03 dBm		
T1		1	702.999483 MHz	9.40 dBm	Occ Bw	8.999033366 MHz
T2		1	711.998517 MHz	7.73 dBm		
M2		1	701.92 MHz	-9.17 dBm		
M3		1	712.522 MHz	-8.24 dBm		

Date: 7.SEP.2023 14:57:47

Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0

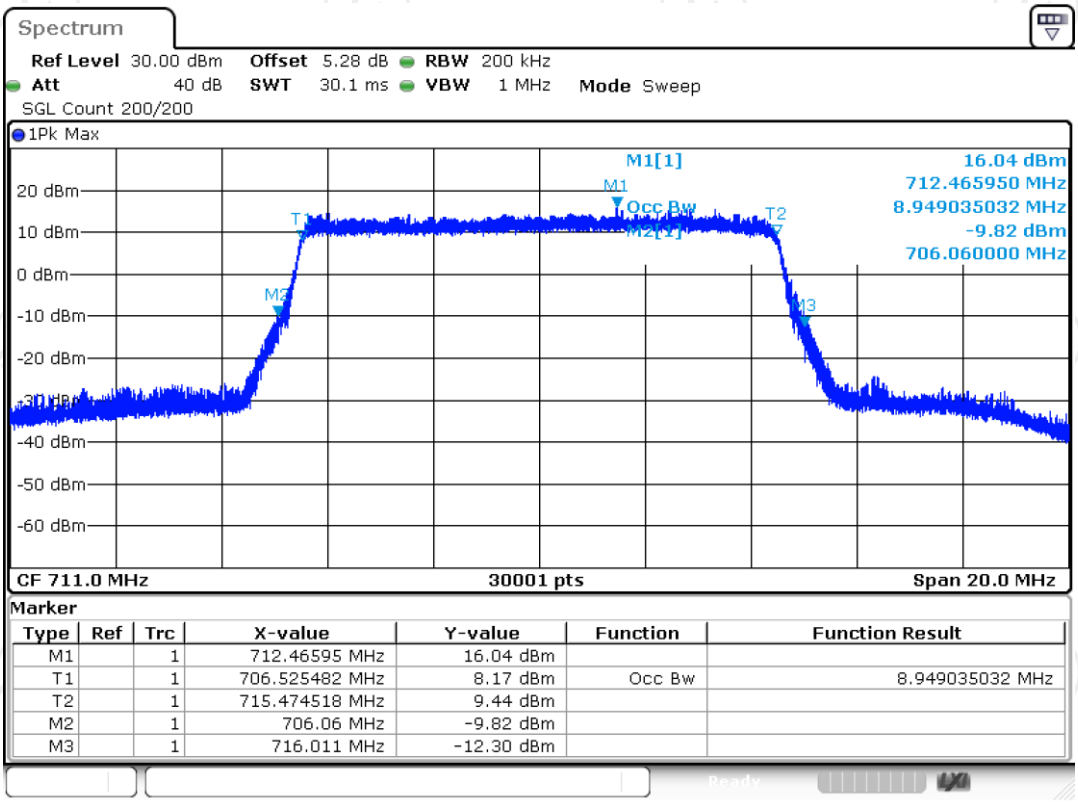


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	711.50865 MHz	16.00 dBm		
T1		1	706.516149 MHz	10.45 dBm	Occ Bw	8.960367988 MHz
T2		1	715.476517 MHz	9.85 dBm		
M2		1	706.017 MHz	-9.26 dBm		
M3		1	716.013 MHz	-11.54 dBm		

Date: 7.SEP.2023 14:58:06

Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0



Marker

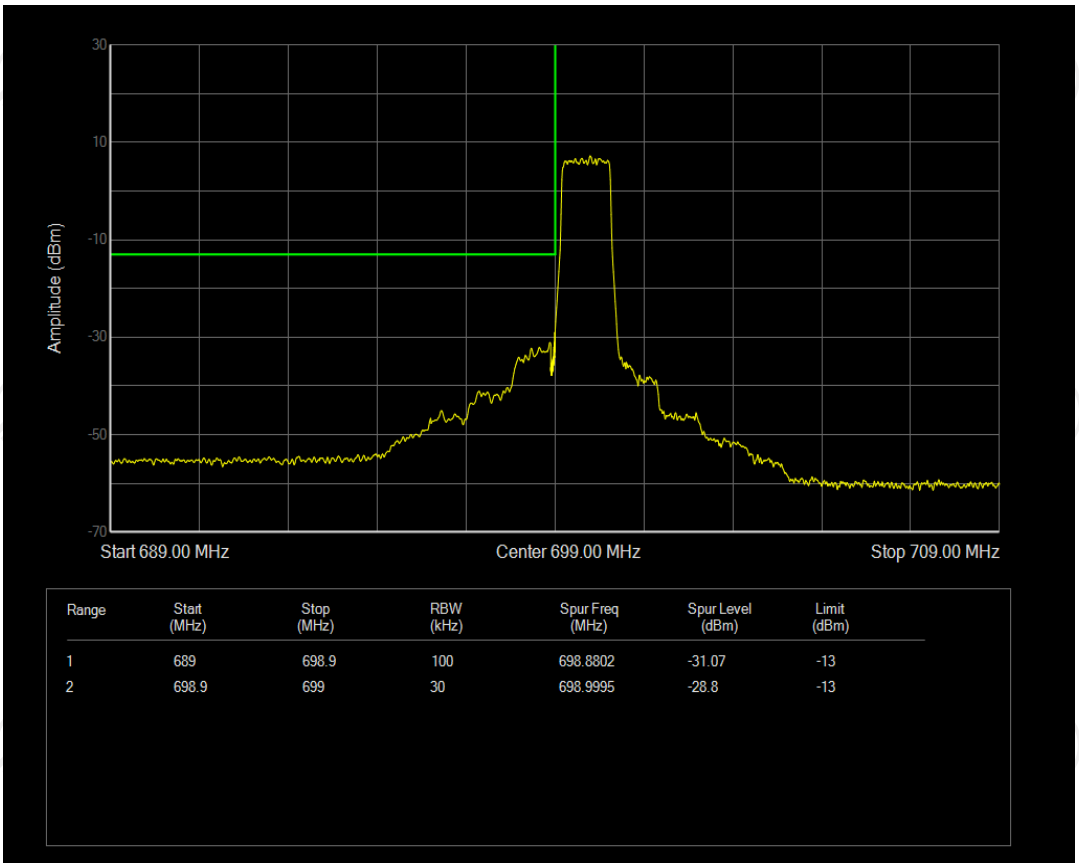
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	712.46595 MHz	16.04 dBm		
T1		1	706.525482 MHz	8.17 dBm	Occ Bw	8.949035032 MHz
T2		1	715.474518 MHz	9.44 dBm		
M2		1	706.06 MHz	-9.82 dBm		
M3		1	716.011 MHz	-12.30 dBm		

Date: 7.SEP.2023 14:58:24

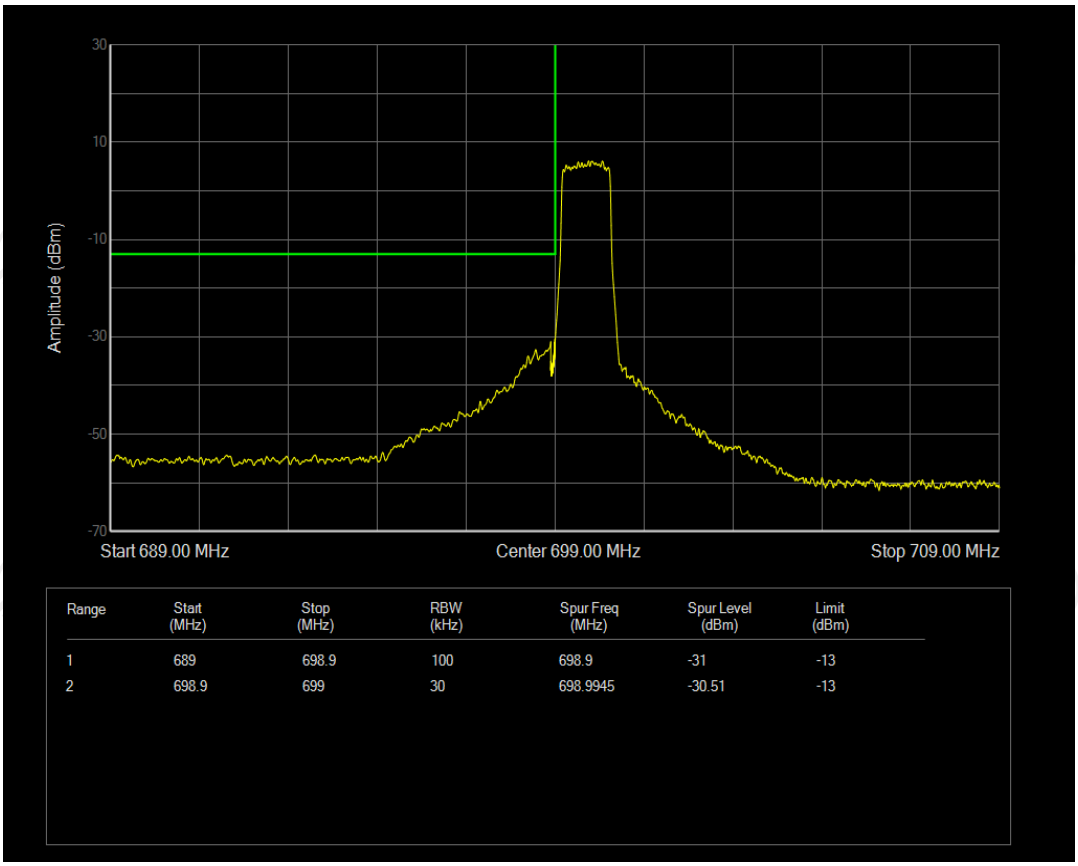
5 Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QPSK	699.00	-28.80	-13	PASS
Band12	1.4	23017	6	#0	16QAM	698.99	-30.51	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.00	-30.86	-13	PASS
Band12	1.4	23173	6	#0	16QAM	716.00	-30.16	-13	PASS
Band12	3	23025	15	#0	QPSK	698.83	-34.23	-13	PASS
Band12	3	23025	15	#0	16QAM	698.83	-34.58	-13	PASS
Band12	3	23165	15	#0	QPSK	716.12	-33.07	-13	PASS
Band12	3	23165	15	#0	16QAM	716.19	-35.57	-13	PASS
Band12	5	23035	25	#0	QPSK	698.90	-26.42	-13	PASS
Band12	5	23035	25	#0	16QAM	698.90	-30.01	-13	PASS
Band12	5	23155	25	#0	QPSK	716.12	-29.09	-13	PASS
Band12	5	23155	25	#0	16QAM	716.11	-30.69	-13	PASS
Band12	10	23060	50	#0	QPSK	698.89	-33.99	-13	PASS
Band12	10	23060	50	#0	16QAM	698.90	-36.25	-13	PASS
Band12	10	23130	50	#0	QPSK	716.14	-37.12	-13	PASS
Band12	10	23130	50	#0	16QAM	716.16	-35.55	-13	PASS

Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0

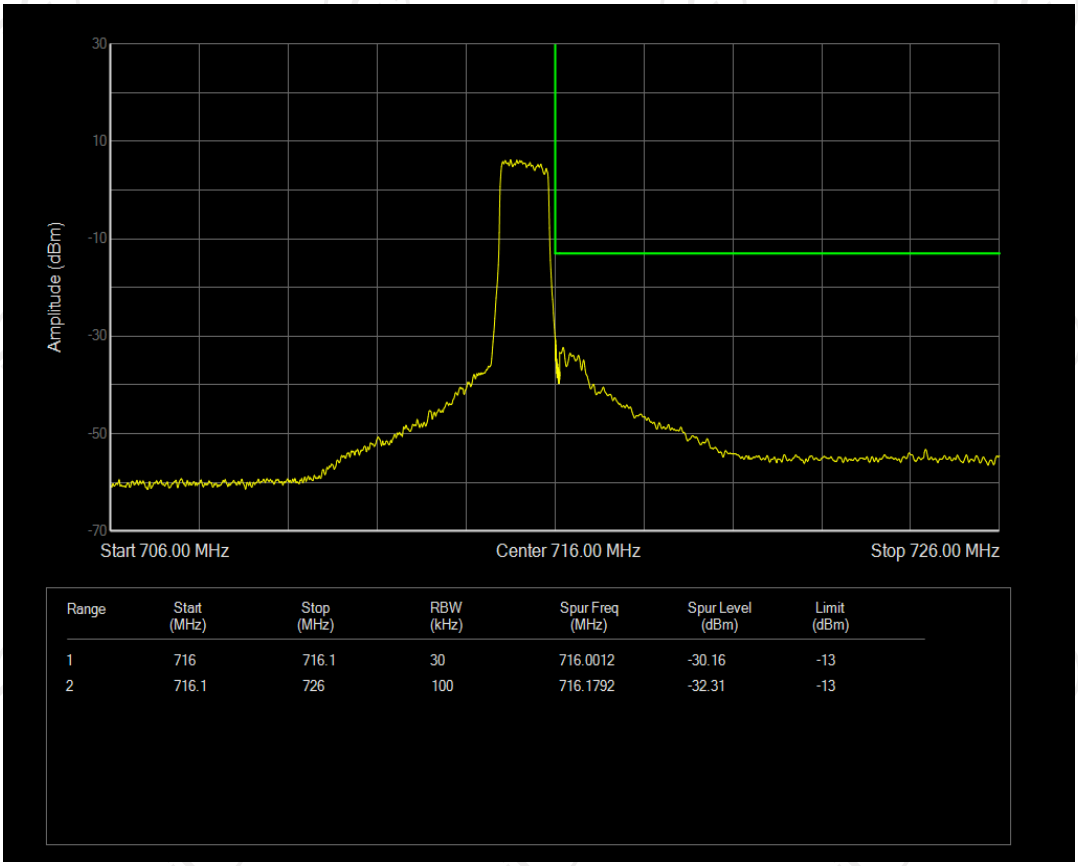


Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0



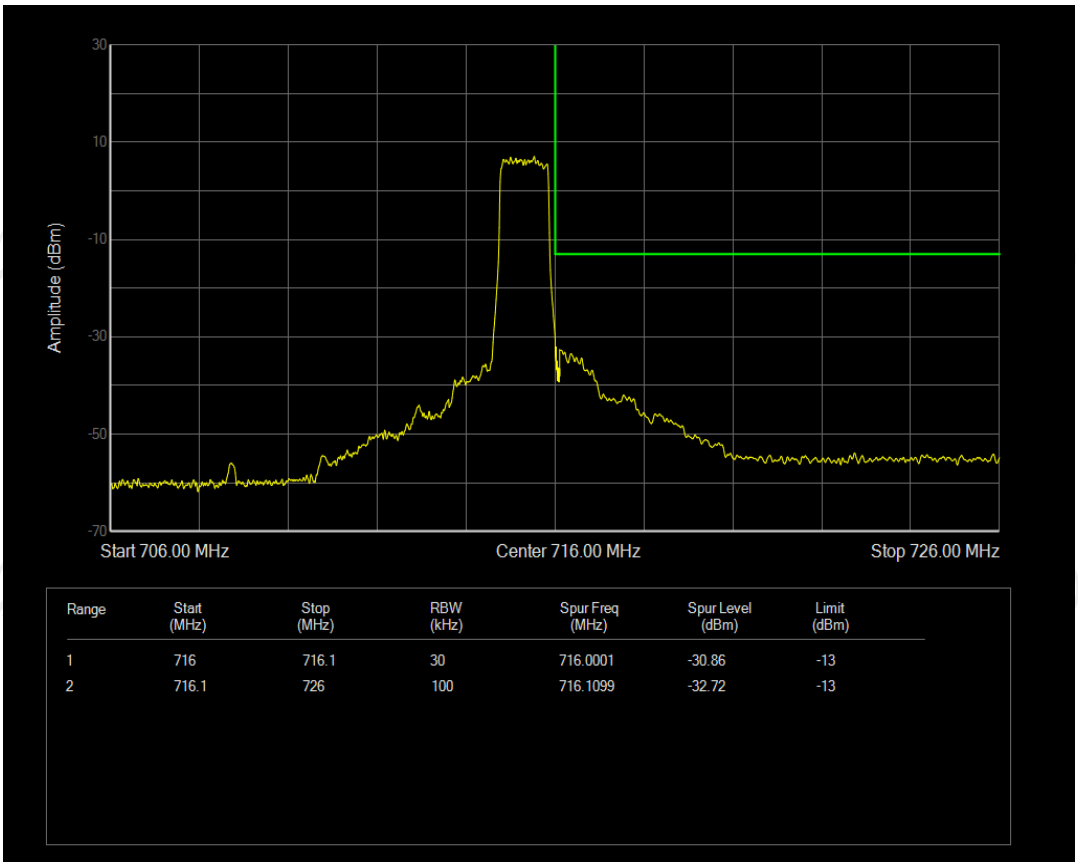
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.9	-31	-13
2	698.9	699	30	698.9945	-30.51	-13

Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0



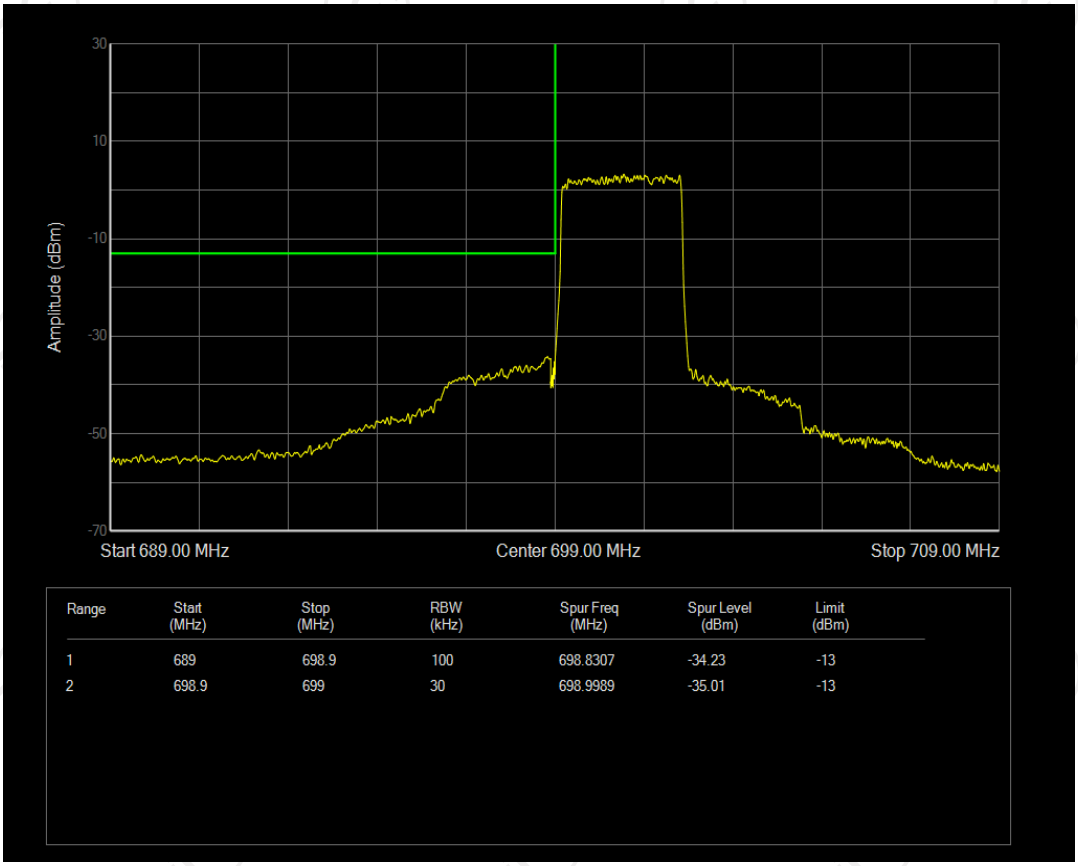
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0012	-30.16	-13
2	716.1	726	100	716.1792	-32.31	-13

Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



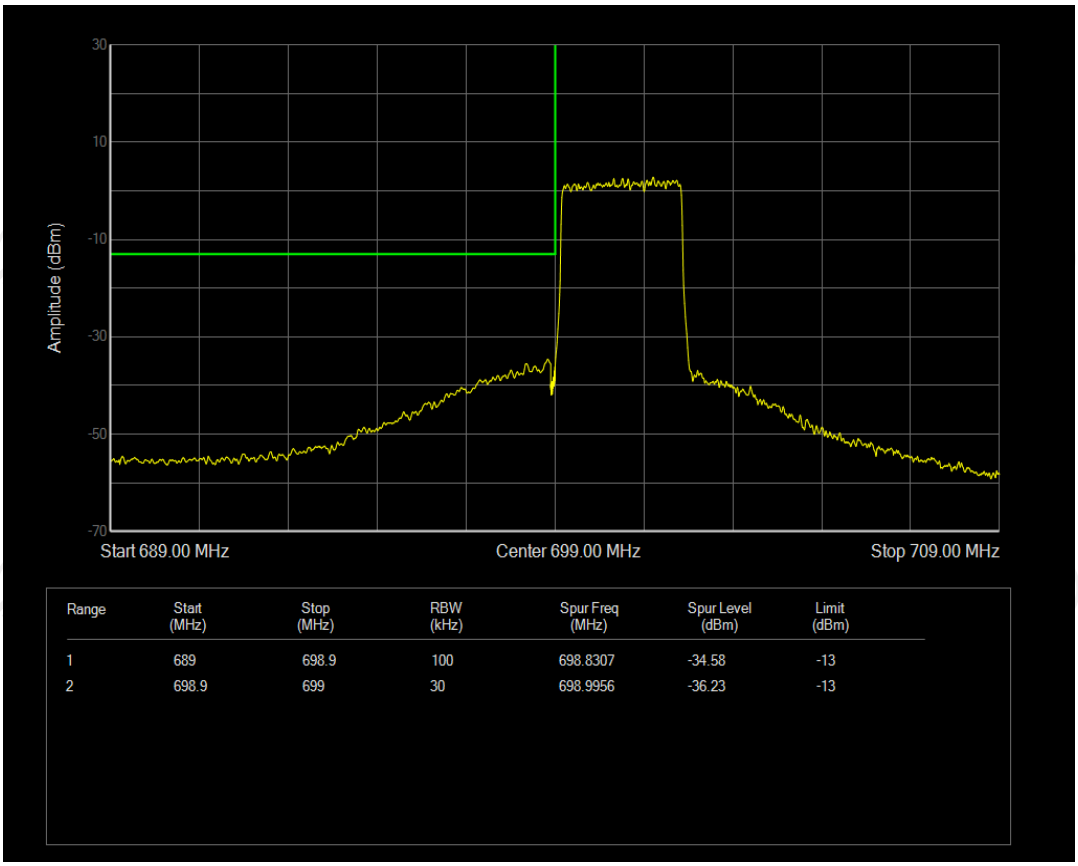
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0001	-30.86	-13
2	716.1	726	100	716.1099	-32.72	-13

Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



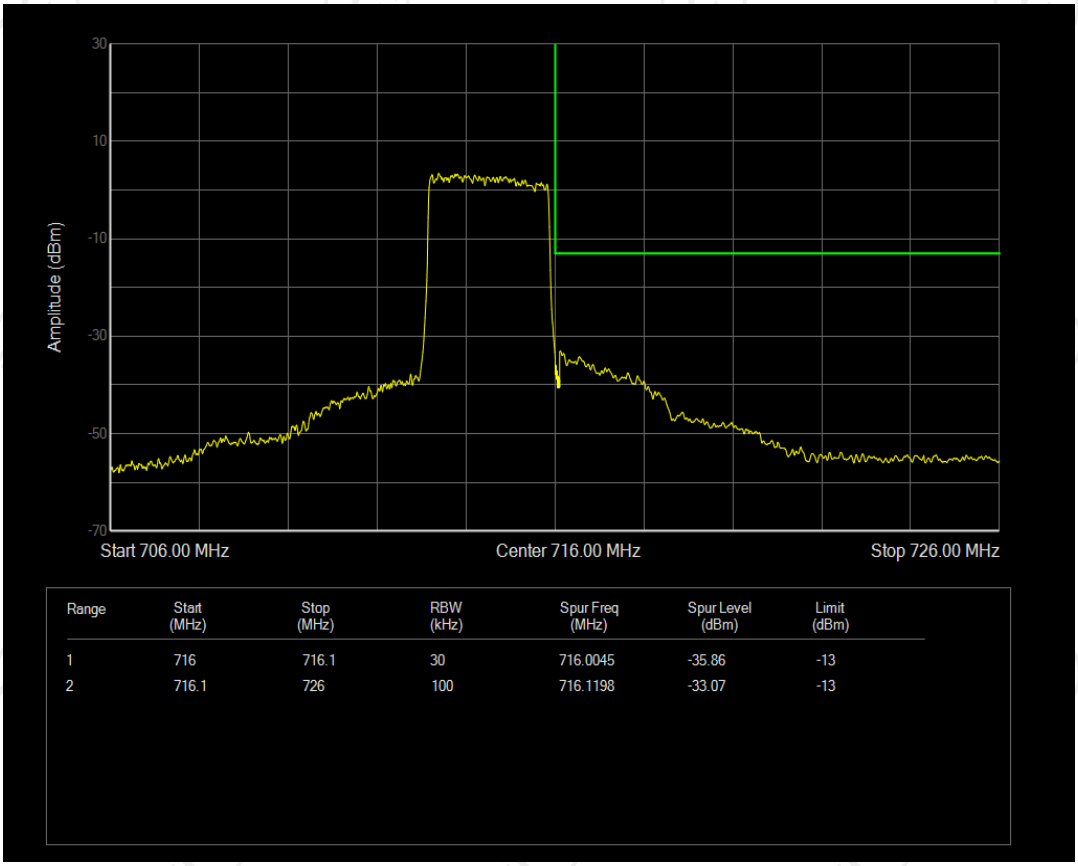
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.8307	-34.23	-13
2	698.9	699	30	698.9989	-35.01	-13

Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0



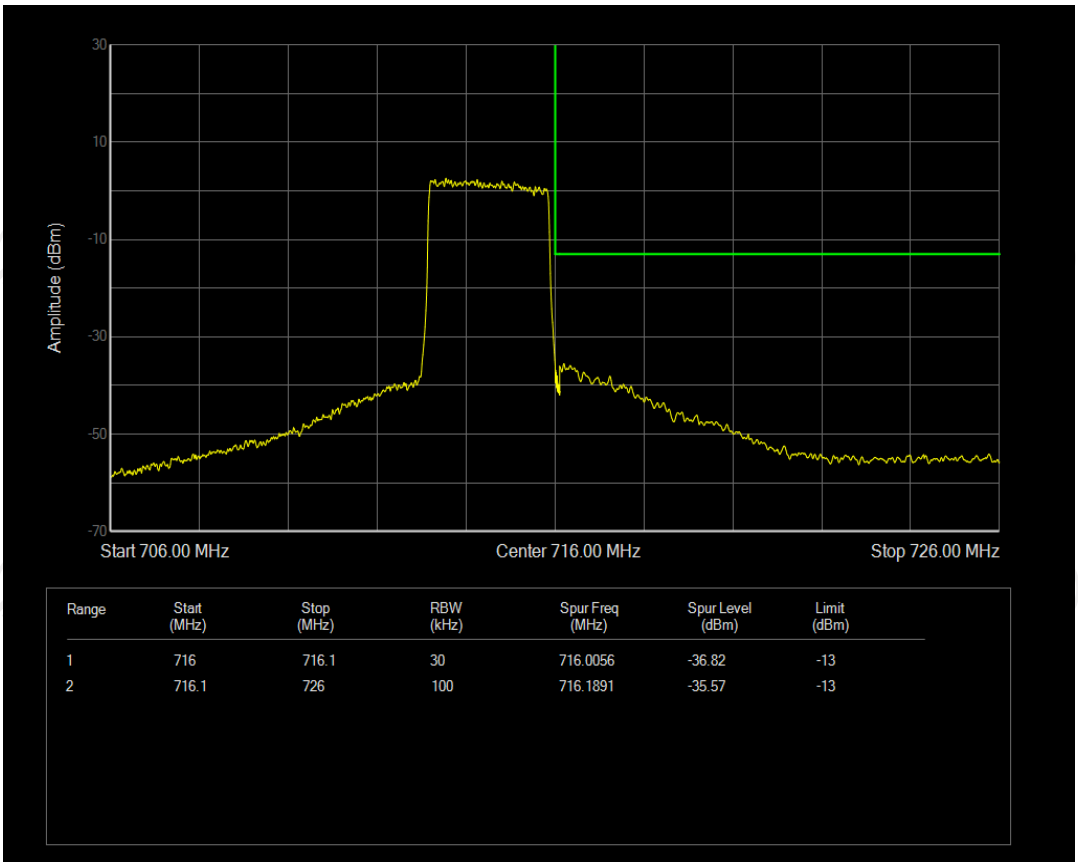
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.8307	-34.58	-13
2	698.9	699	30	698.9956	-36.23	-13

Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



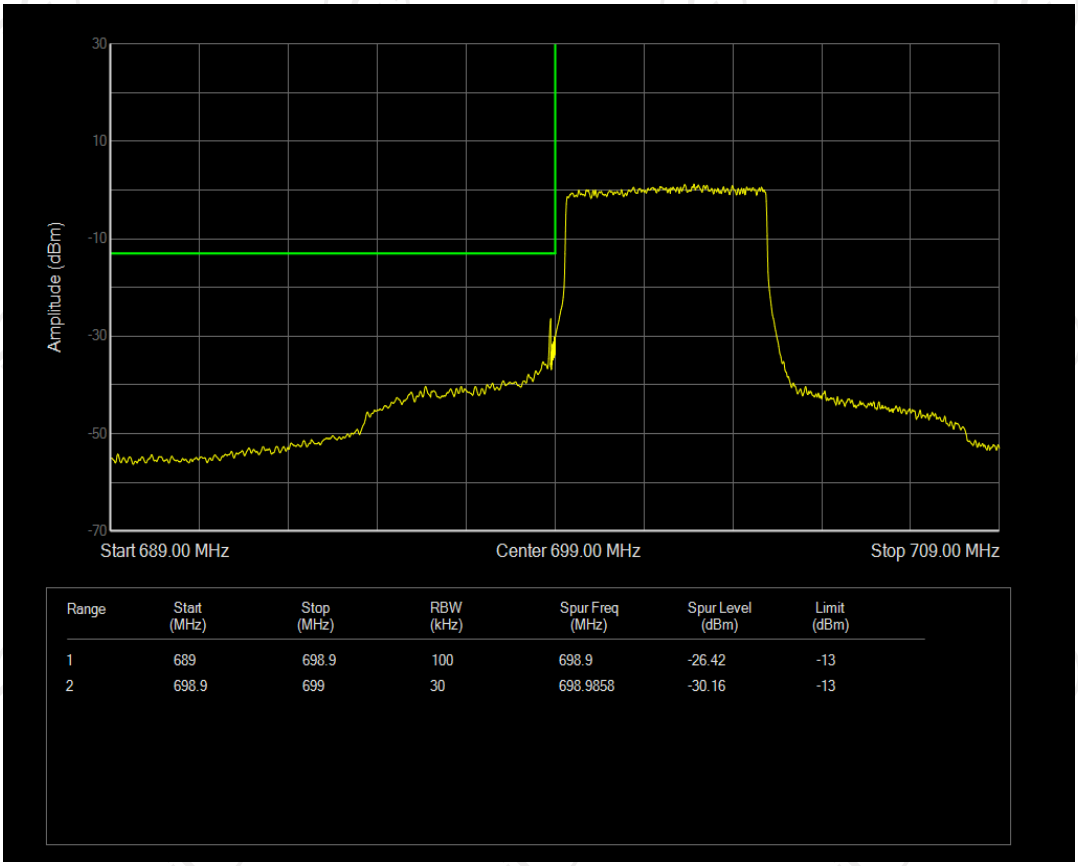
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0045	-35.86	-13
2	716.1	726	100	716.1198	-33.07	-13

Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0



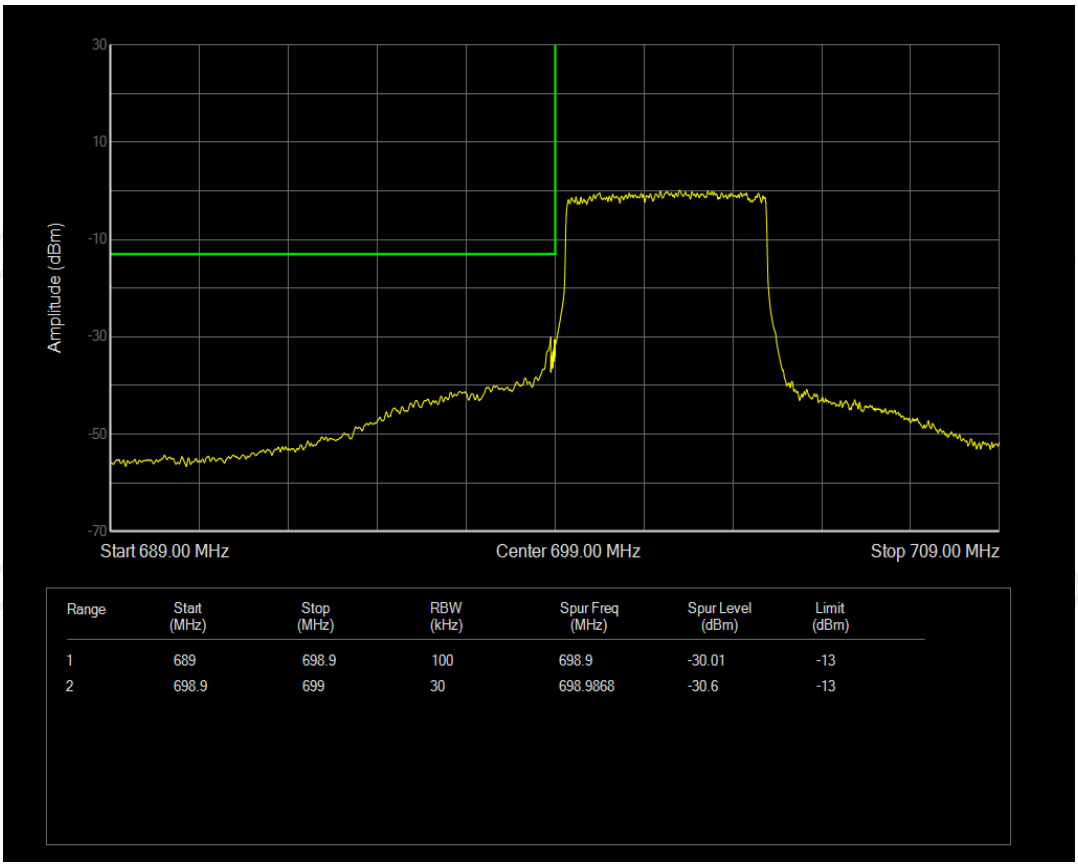
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0056	-36.82	-13
2	716.1	726	100	716.1891	-35.57	-13

Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



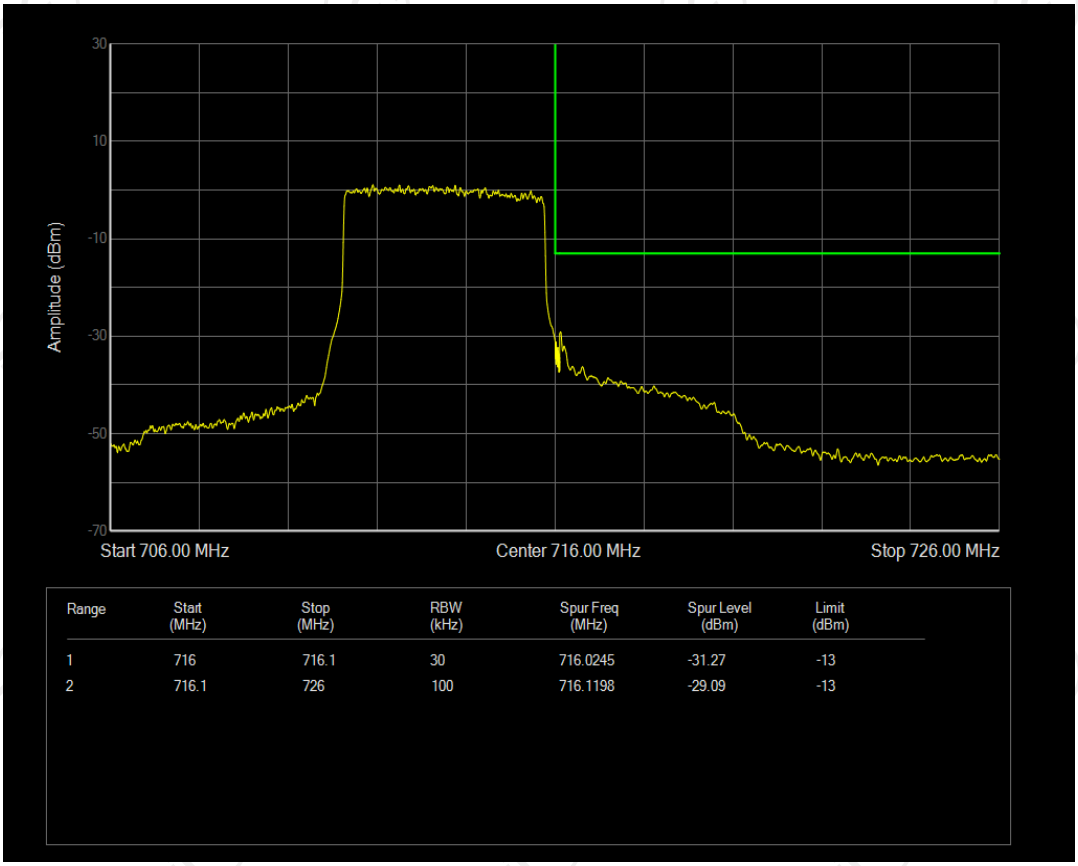
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.9	-26.42	-13
2	698.9	699	30	698.9858	-30.16	-13

Band12 16QAM BW=5MHz Channel=23035 RB Size=25 Position=#0



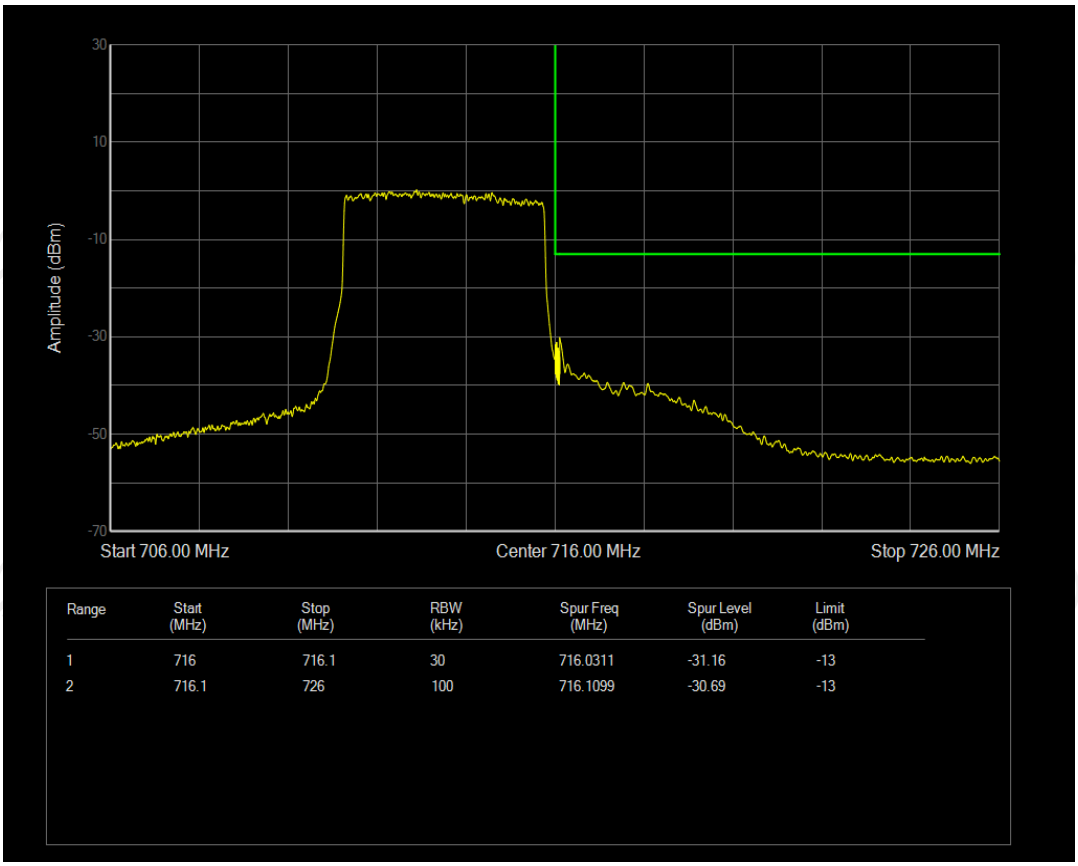
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.9	-30.01	-13
2	698.9	699	30	698.9868	-30.6	-13

Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



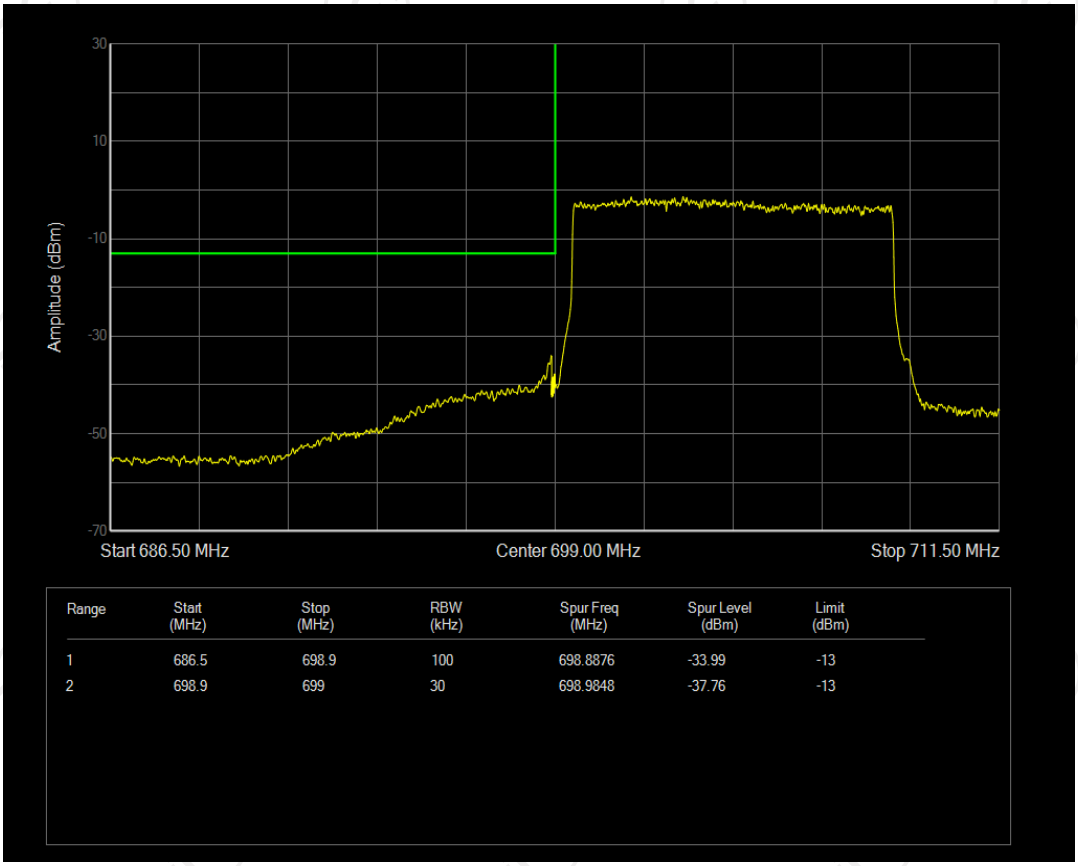
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0245	-31.27	-13
2	716.1	726	100	716.1198	-29.09	-13

Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



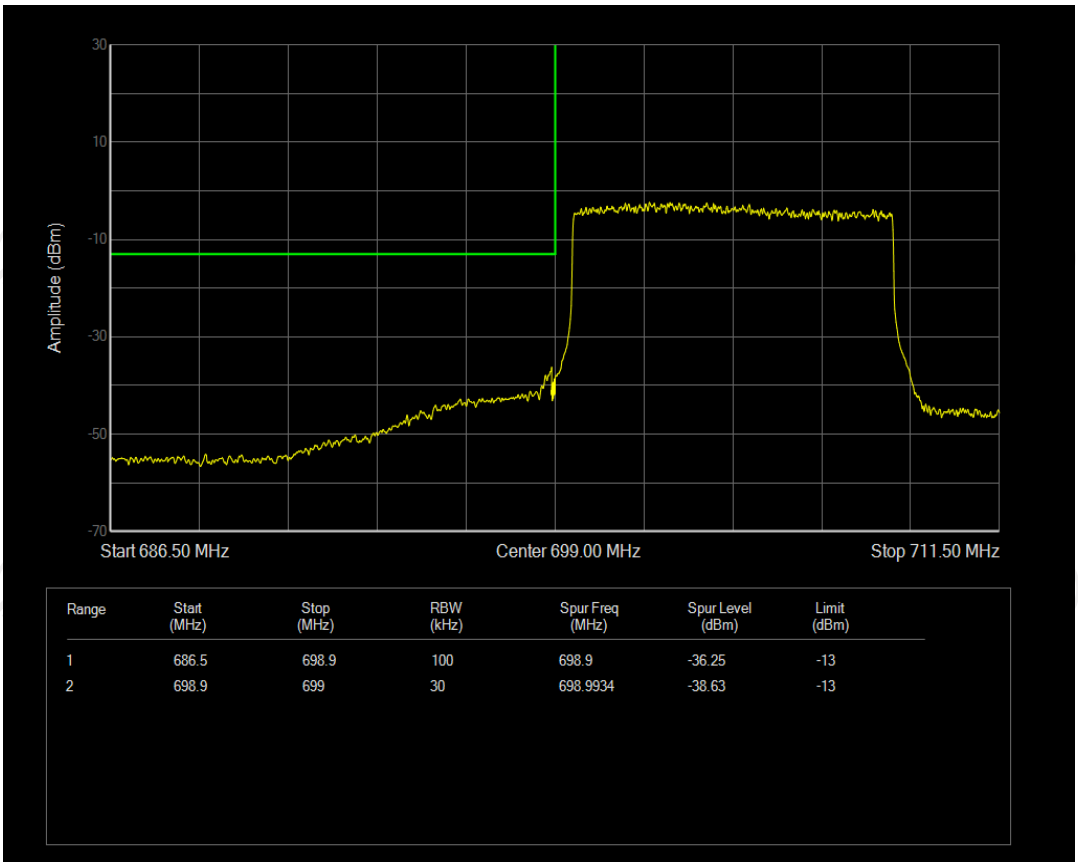
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0311	-31.16	-13
2	716.1	726	100	716.1099	-30.69	-13

Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



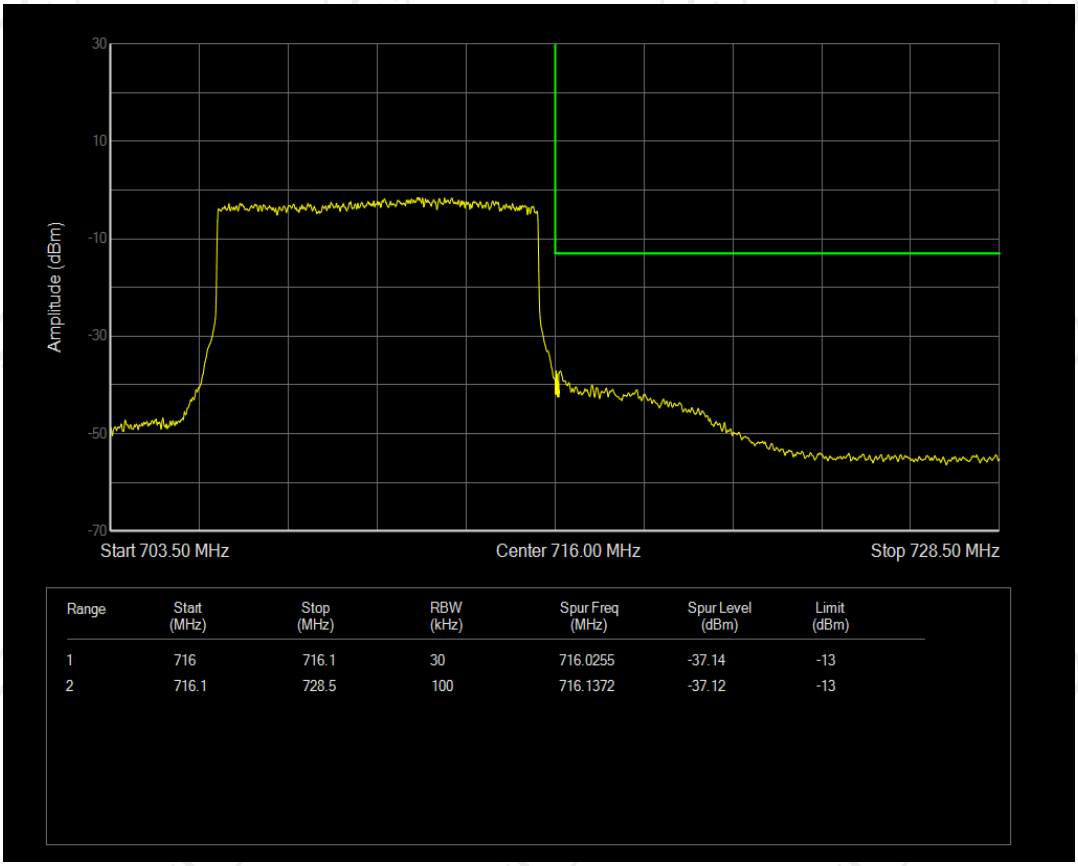
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	686.5	698.9	100	698.8876	-33.99	-13
2	698.9	699	30	698.9848	-37.76	-13

Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



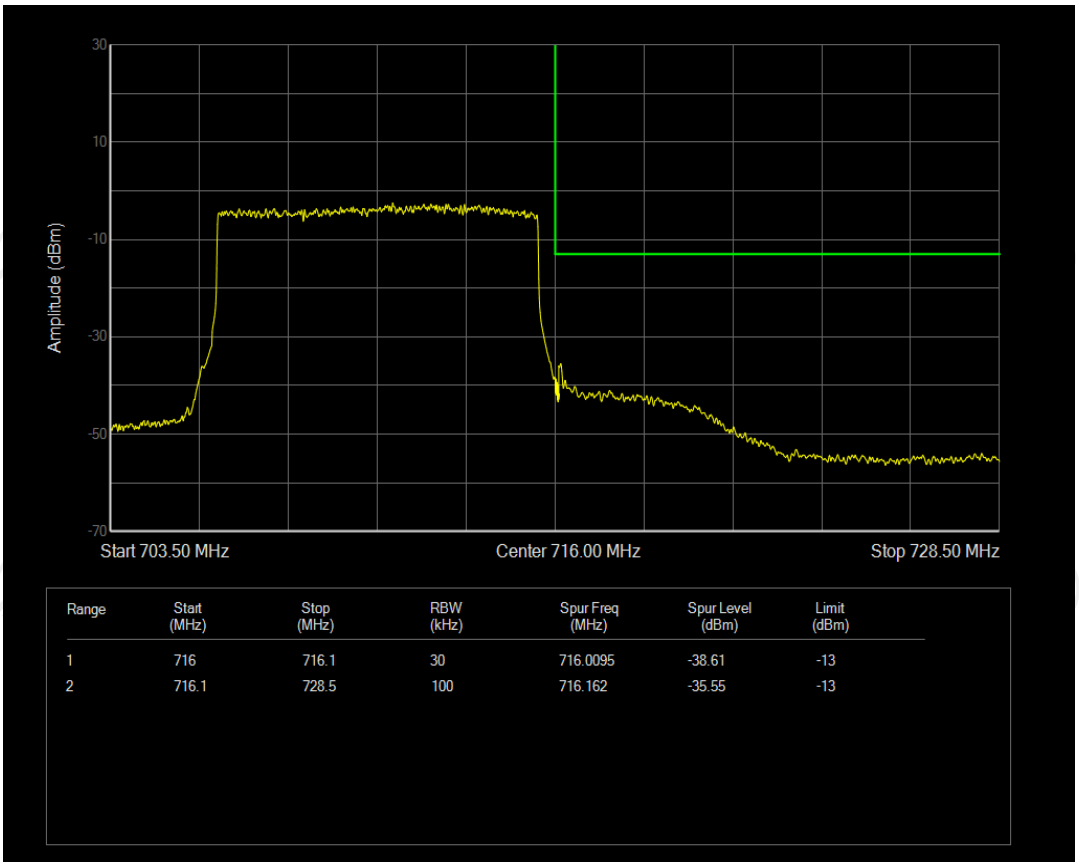
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	686.5	698.9	100	698.9	-36.25	-13
2	698.9	699	30	698.9934	-38.63	-13

Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0255	-37.14	-13
2	716.1	728.5	100	716.1372	-37.12	-13

Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0

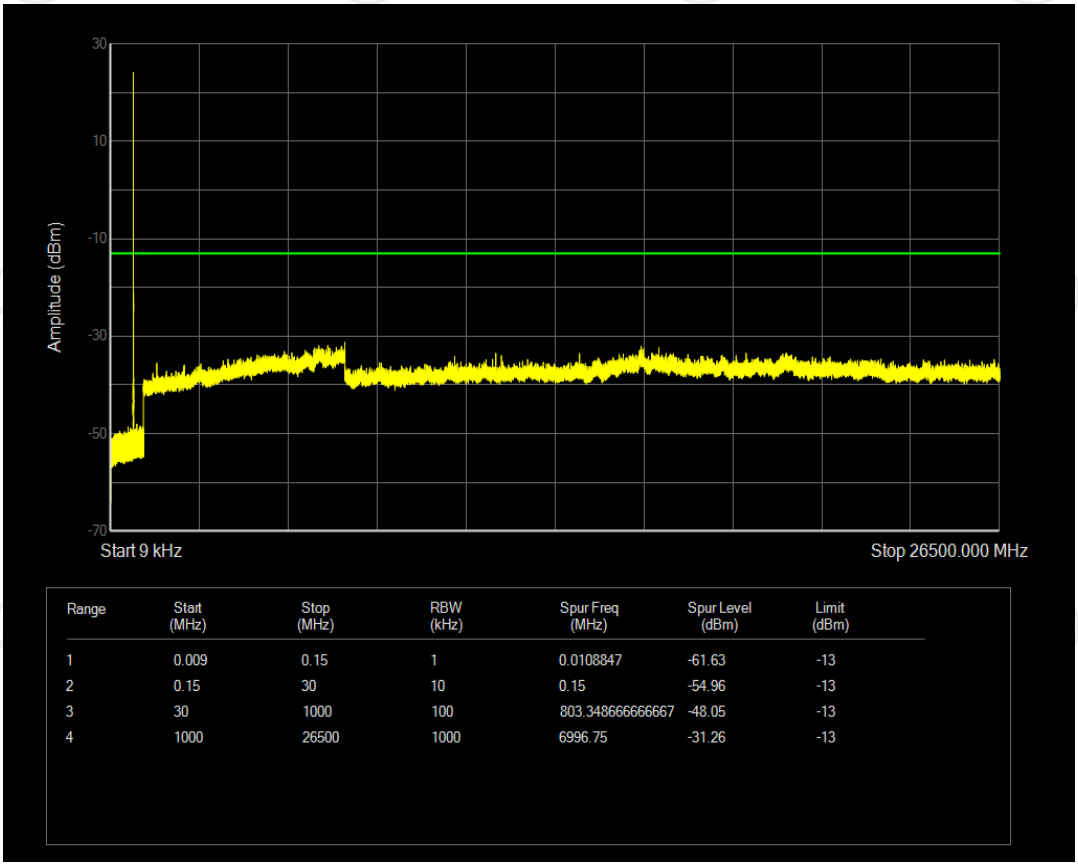


6 Out-of-band emissions

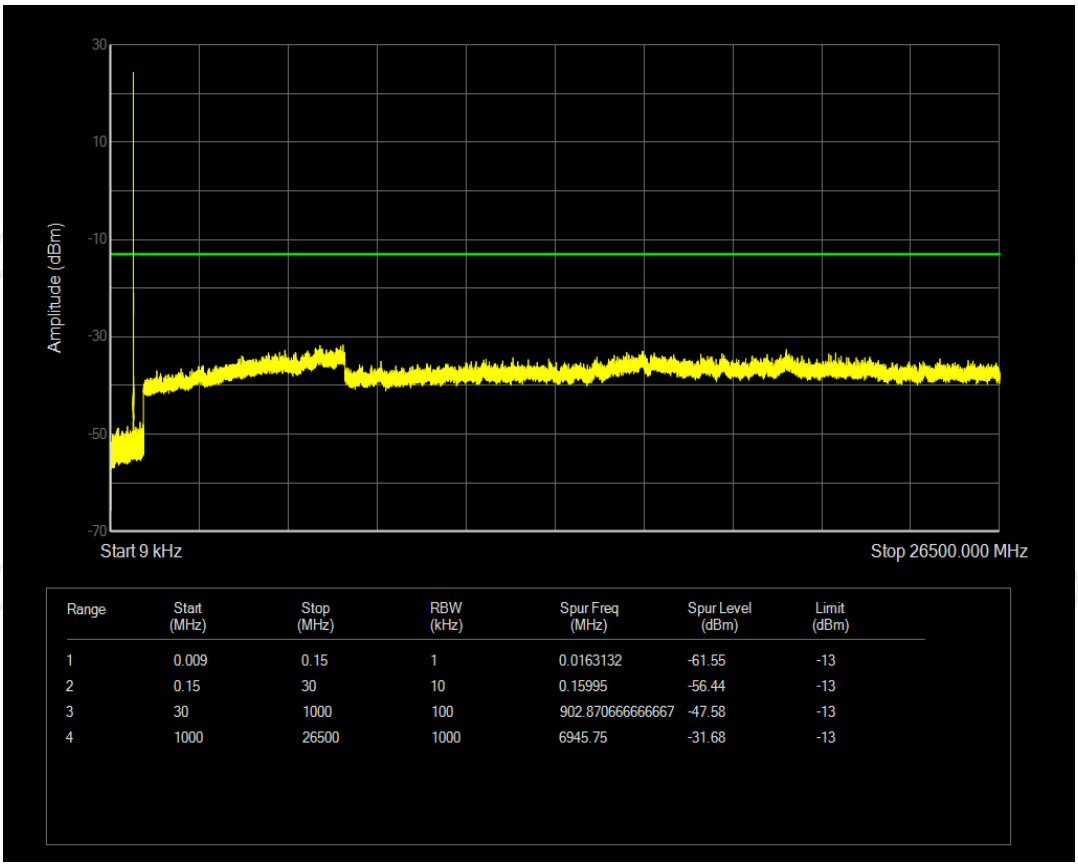
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	1	#0	QPSK	6996.75	-31.26	-13	PASS
Band12	1.4	23017	1	#0	16QAM	6945.75	-31.68	-13	PASS
Band12	1.4	23095	1	#0	QPSK	6805.50	-31.50	-13	PASS
Band12	1.4	23095	1	#0	16QAM	6274.25	-31.61	-13	PASS
Band12	1.4	23173	1	#0	QPSK	6229.20	-30.59	-13	PASS
Band12	1.4	23173	1	#0	16QAM	6978.90	-31.51	-13	PASS
Band12	3	23025	1	#0	QPSK	6318.45	-31.89	-13	PASS
Band12	3	23025	1	#0	16QAM	6321.85	-31.42	-13	PASS
Band12	3	23095	1	#0	QPSK	6202.00	-31.39	-13	PASS
Band12	3	23095	1	#0	16QAM	5884.95	-31.21	-13	PASS
Band12	3	23165	1	#0	QPSK	6993.35	-31.01	-13	PASS
Band12	3	23165	1	#0	16QAM	6824.20	-31.62	-13	PASS
Band12	5	23035	1	#0	QPSK	6803.80	-31.87	-13	PASS
Band12	5	23035	1	#0	16QAM	6899.85	-31.29	-13	PASS
Band12	5	23095	1	#0	QPSK	6272.55	-31.80	-13	PASS
Band12	5	23095	1	#0	16QAM	6263.20	-31.20	-13	PASS
Band12	5	23155	1	#0	QPSK	6264.90	-31.57	-13	PASS
Band12	5	23155	1	#0	16QAM	6224.10	-31.44	-13	PASS
Band12	10	23060	1	#0	QPSK	6737.50	-31.50	-13	PASS

Band12	10	23060	1	#0	16QAM	6383.90	-31.74	-13	PASS
Band12	10	23095	1	#0	QPSK	6298.90	-31.63	-13	PASS
Band12	10	23095	1	#0	16QAM	6247.05	-31.62	-13	PASS
Band12	10	23130	1	#0	QPSK	6806.35	-30.95	-13	PASS
Band12	10	23130	1	#0	16QAM	6819.95	-31.85	-13	PASS

Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0

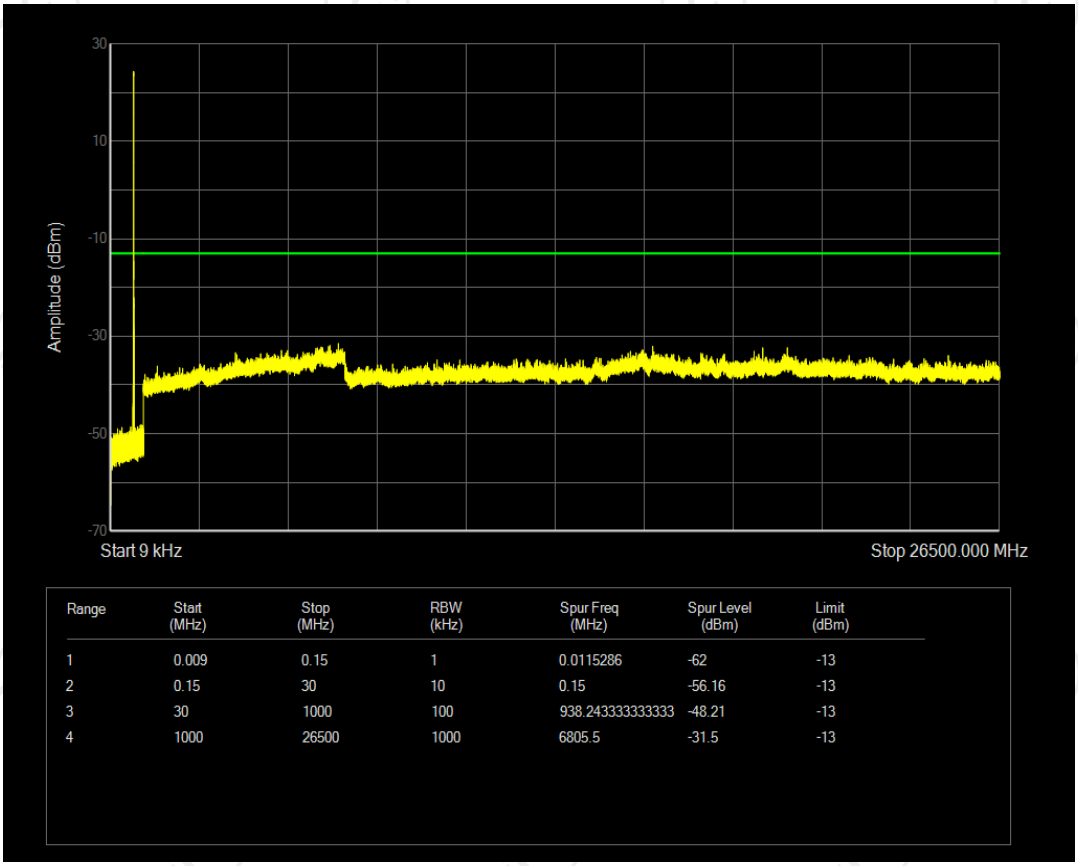


Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0



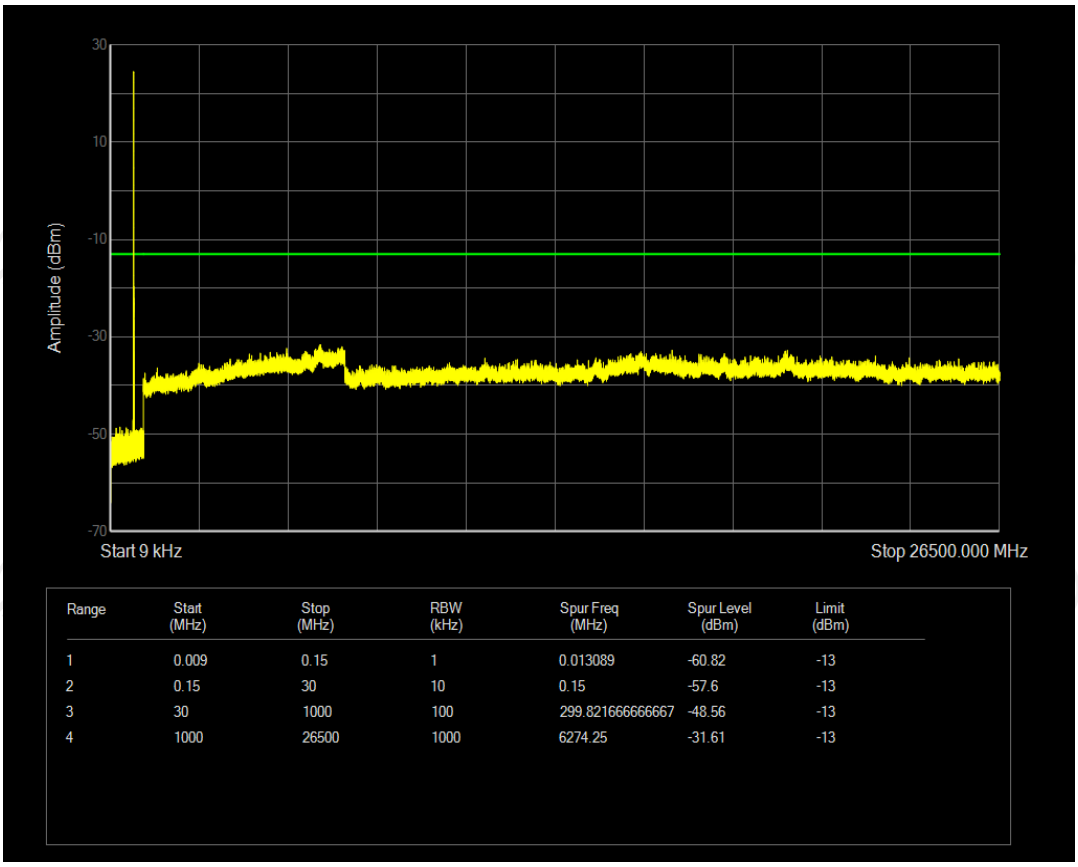
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0163132	-61.55	-13
2	0.15	30	10	0.15995	-56.44	-13
3	30	1000	100	902.870666666667	-47.58	-13
4	1000	26500	1000	6945.75	-31.68	-13

Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



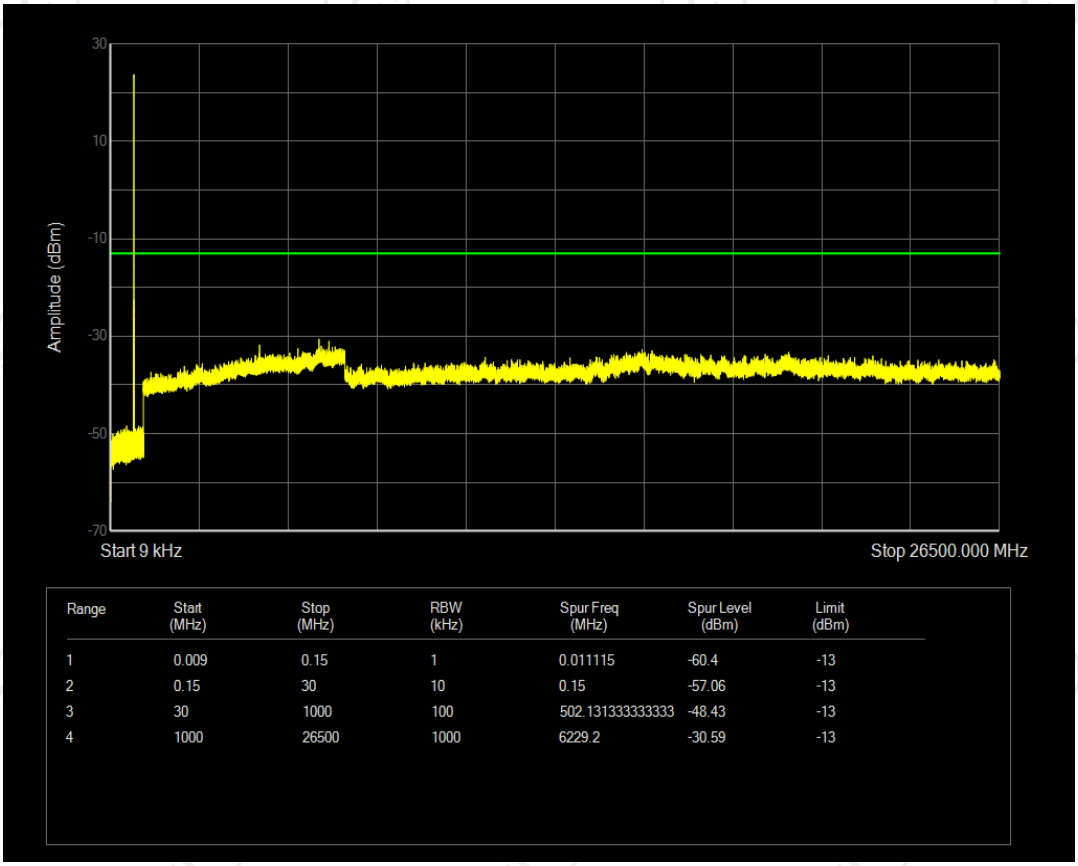
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0115286	-62	-13
2	0.15	30	10	0.15	-56.16	-13
3	30	1000	100	938.243333333333	-48.21	-13
4	1000	26500	1000	6805.5	-31.5	-13

Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0



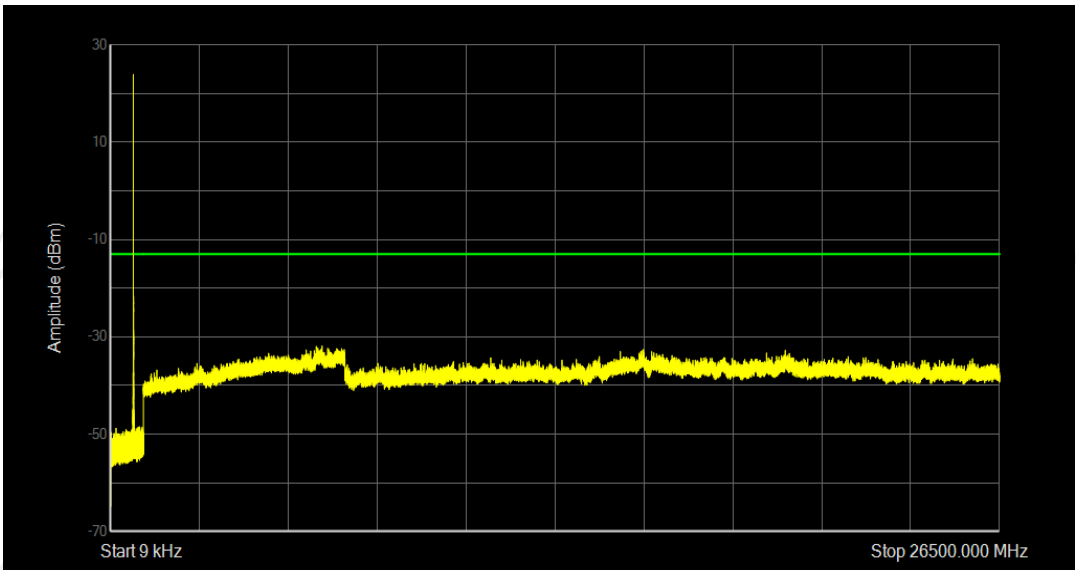
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013089	-60.82	-13
2	0.15	30	10	0.15	-57.6	-13
3	30	1000	100	299.821666666667	-48.56	-13
4	1000	26500	1000	6274.25	-31.61	-13

Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0



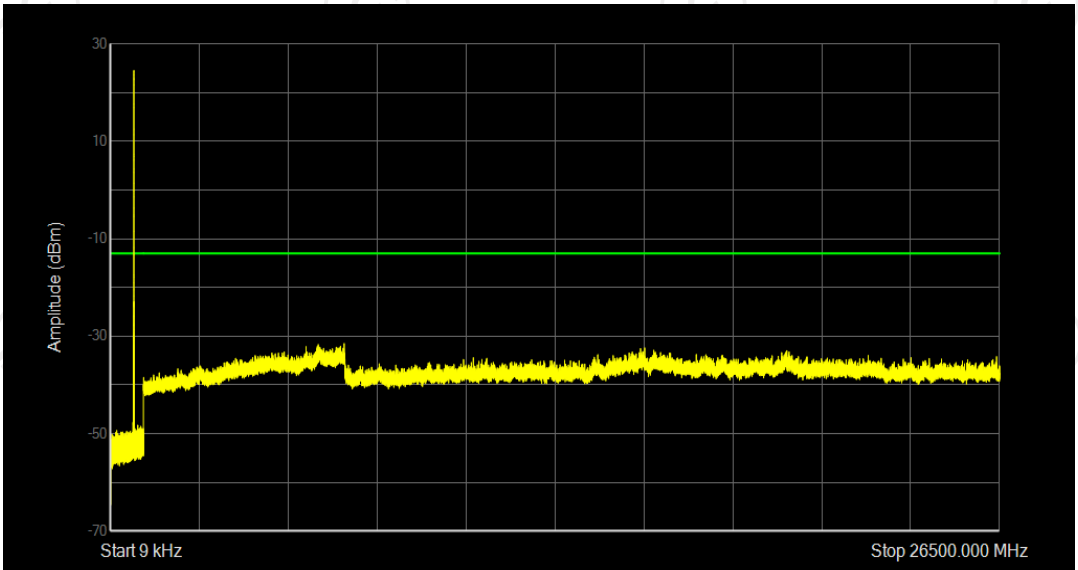
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011115	-60.4	-13
2	0.15	30	10	0.15	-57.06	-13
3	30	1000	100	502.131333333333	-48.43	-13
4	1000	26500	1000	6229.2	-30.59	-13

Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0



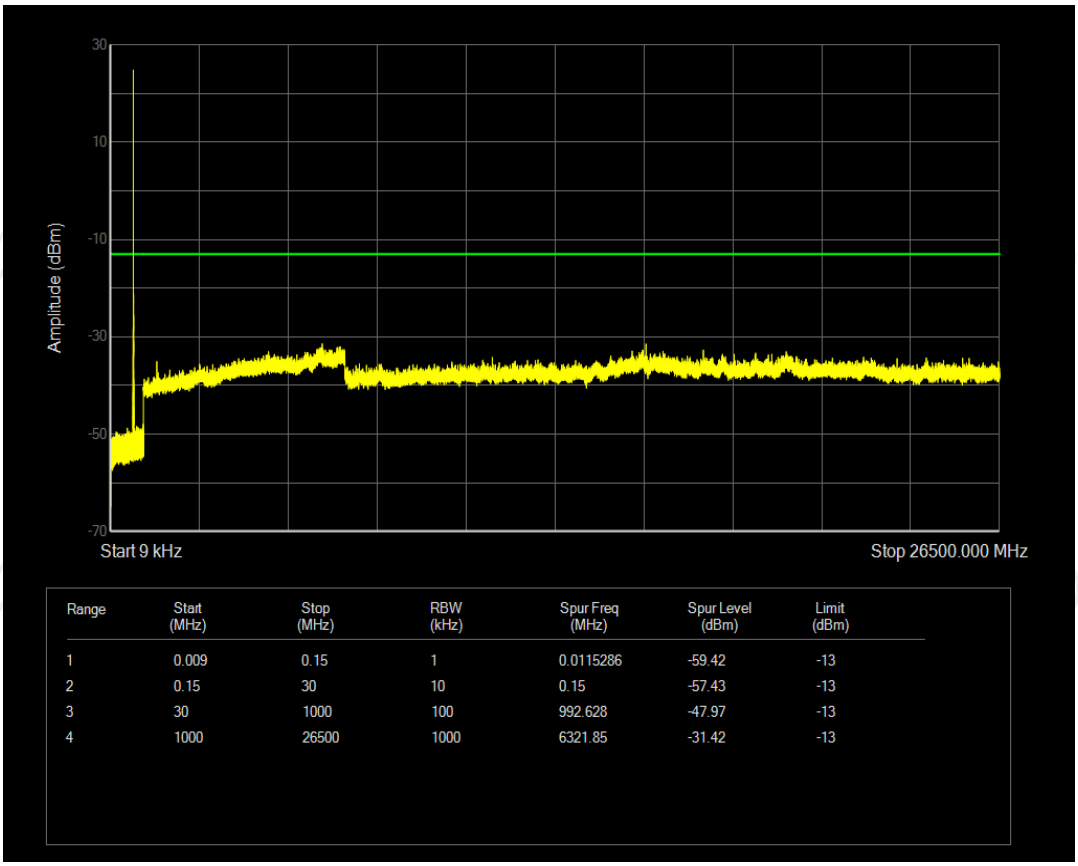
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0104476	-62.14	-13
2	0.15	30	10	11.28803	-57.72	-13
3	30	1000	100	873.479666666667	-48.49	-13
4	1000	26500	1000	6318.45	-31.89	-13

Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0



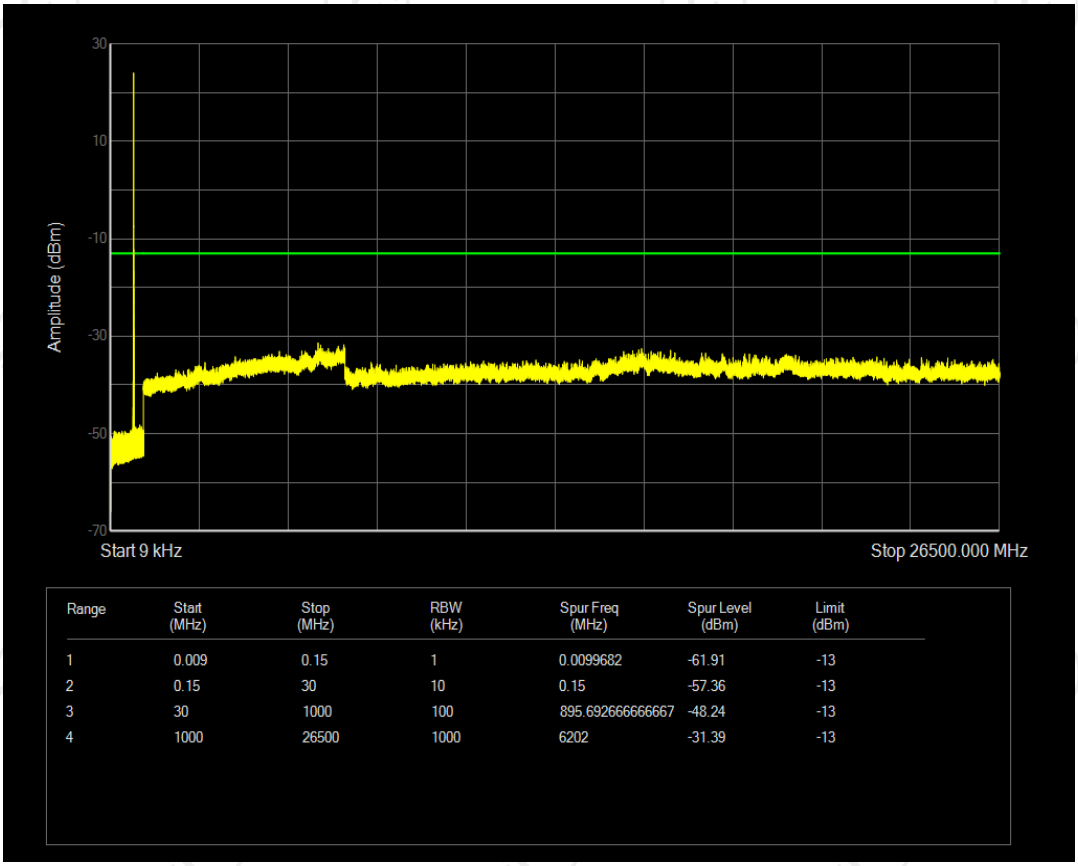
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0163837	-61.75	-13
2	0.15	30	10	0.154975	-56.2	-13
3	30	1000	100	690.57	-47.68	-13
4	1000	26500	1000	6978.9	-31.51	-13

Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0



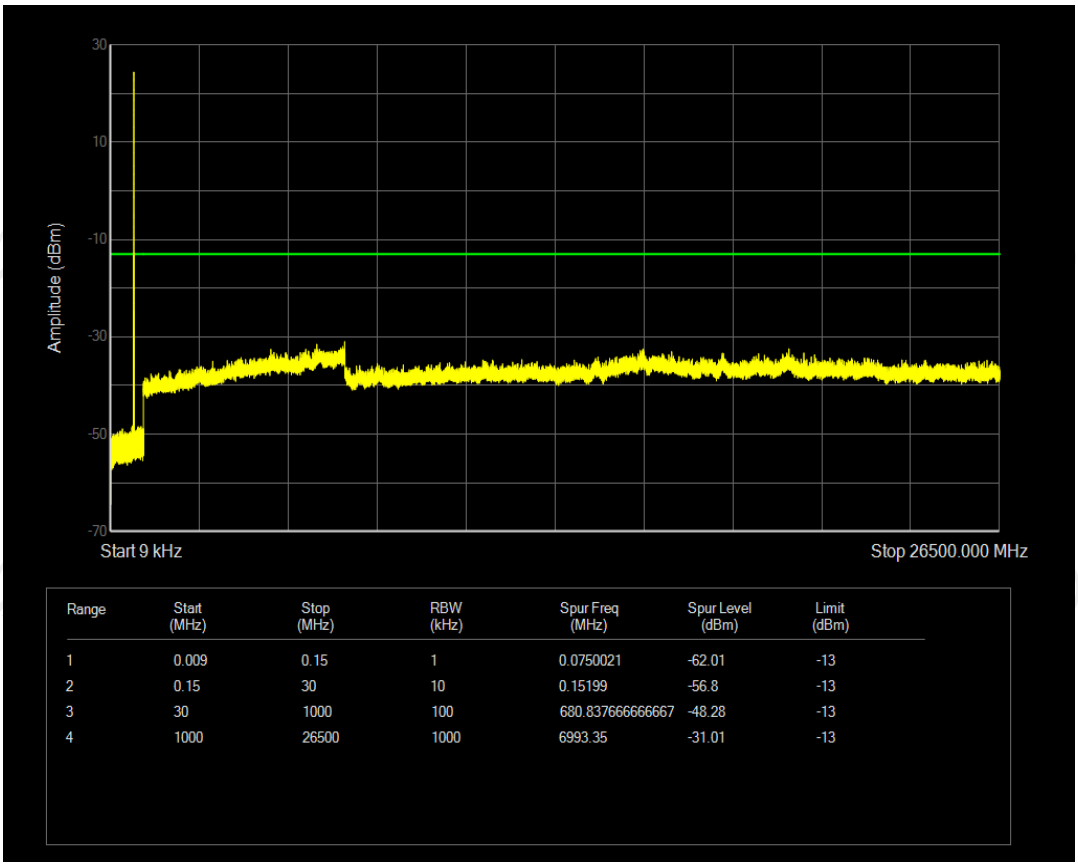
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0115286	-59.42	-13
2	0.15	30	10	0.15	-57.43	-13
3	30	1000	100	992.628	-47.97	-13
4	1000	26500	1000	6321.85	-31.42	-13

Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0



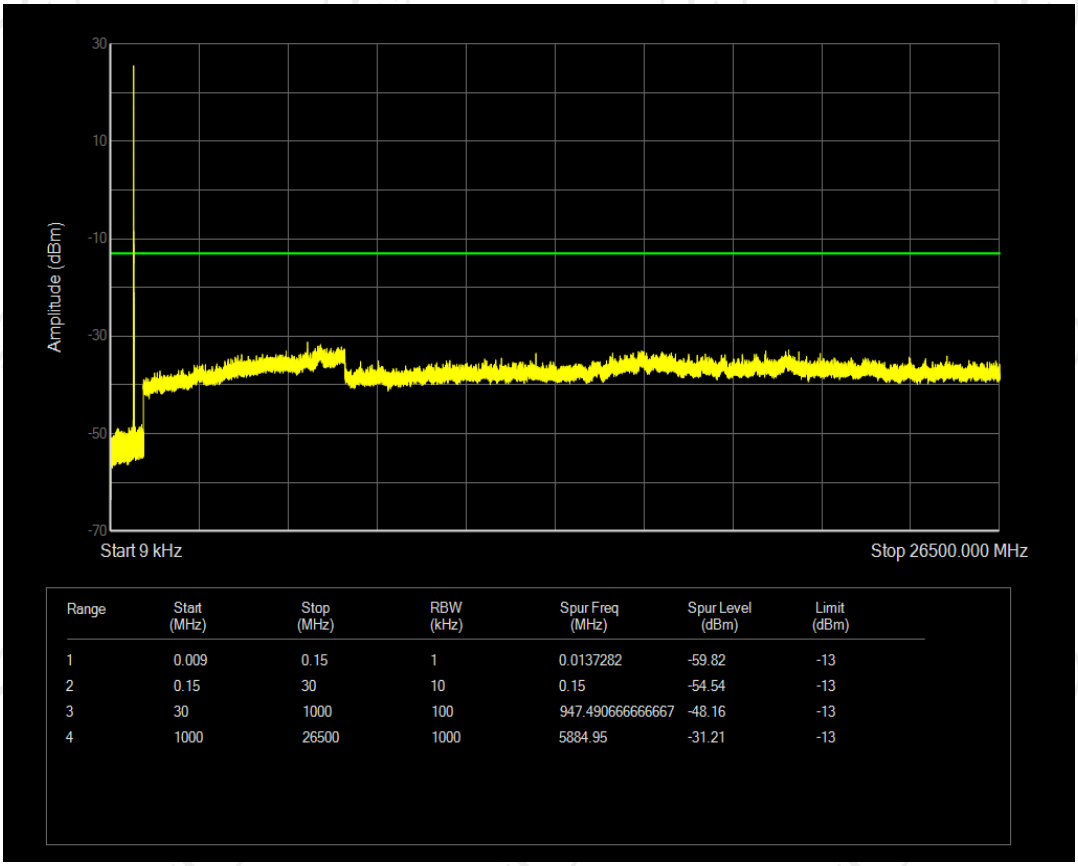
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0099682	-61.91	-13
2	0.15	30	10	0.15	-57.36	-13
3	30	1000	100	895.692666666667	-48.24	-13
4	1000	26500	1000	6202	-31.39	-13

Band12 QPSK BW=3MHz Channel=23165 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	0.0750021	-62.01	-13
2	0.15	30	10	0.15199	-56.8	-13
3	30	1000	100	680.837666666667	-48.28	-13
4	1000	26500	1000	6993.35	-31.01	-13

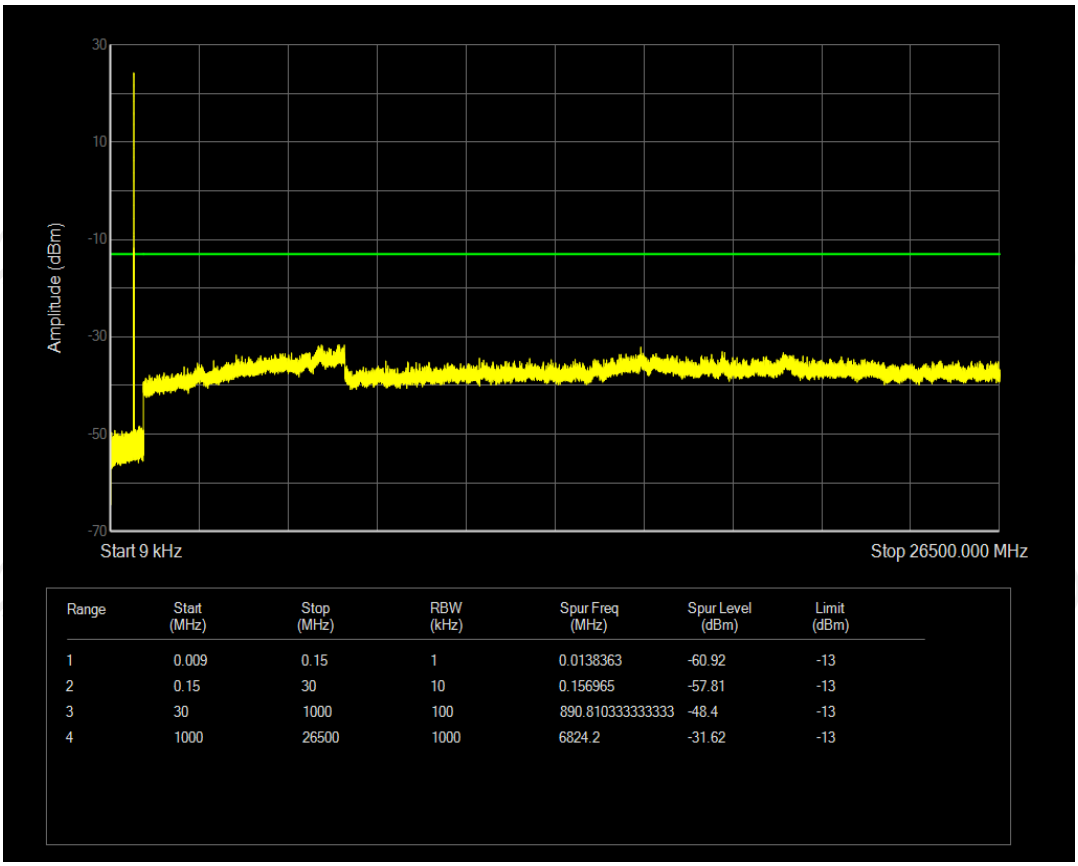
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0137282	-59.82	-13
2	0.15	30	10	0.15	-54.54	-13
3	30	1000	100	947.490666666667	-48.16	-13
4	1000	26500	1000	5884.95	-31.21	-13

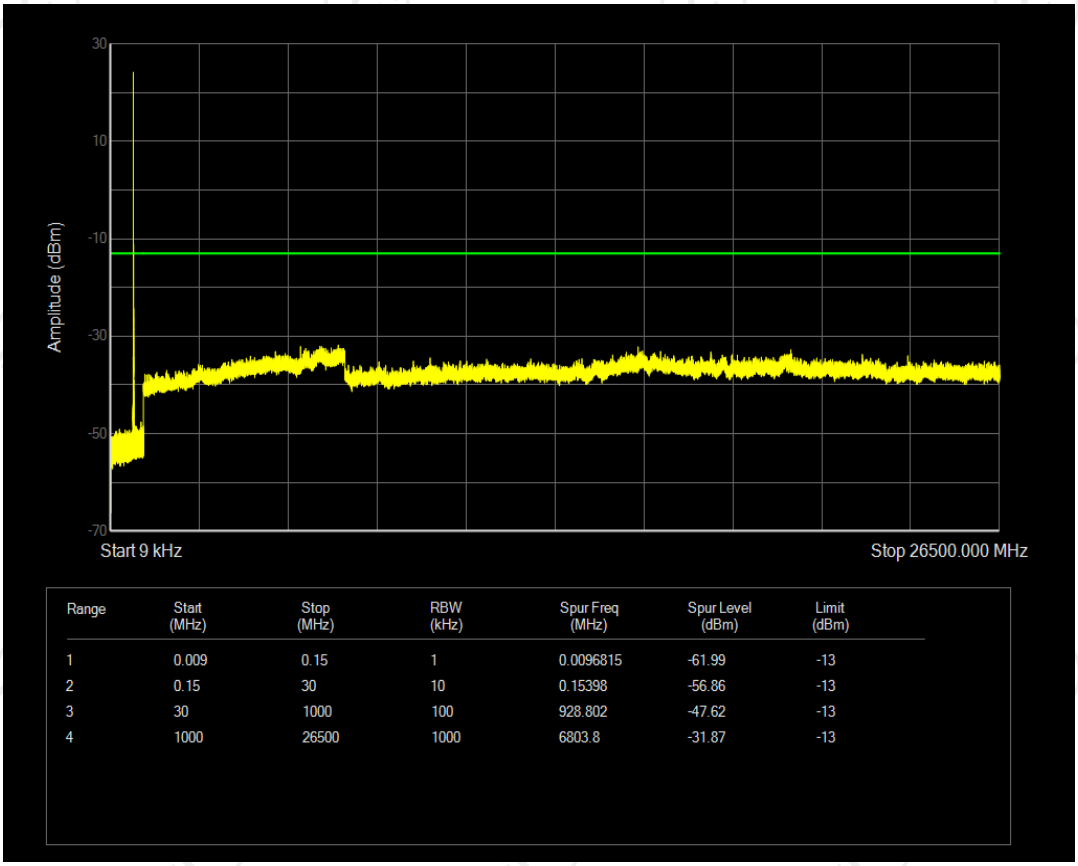
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



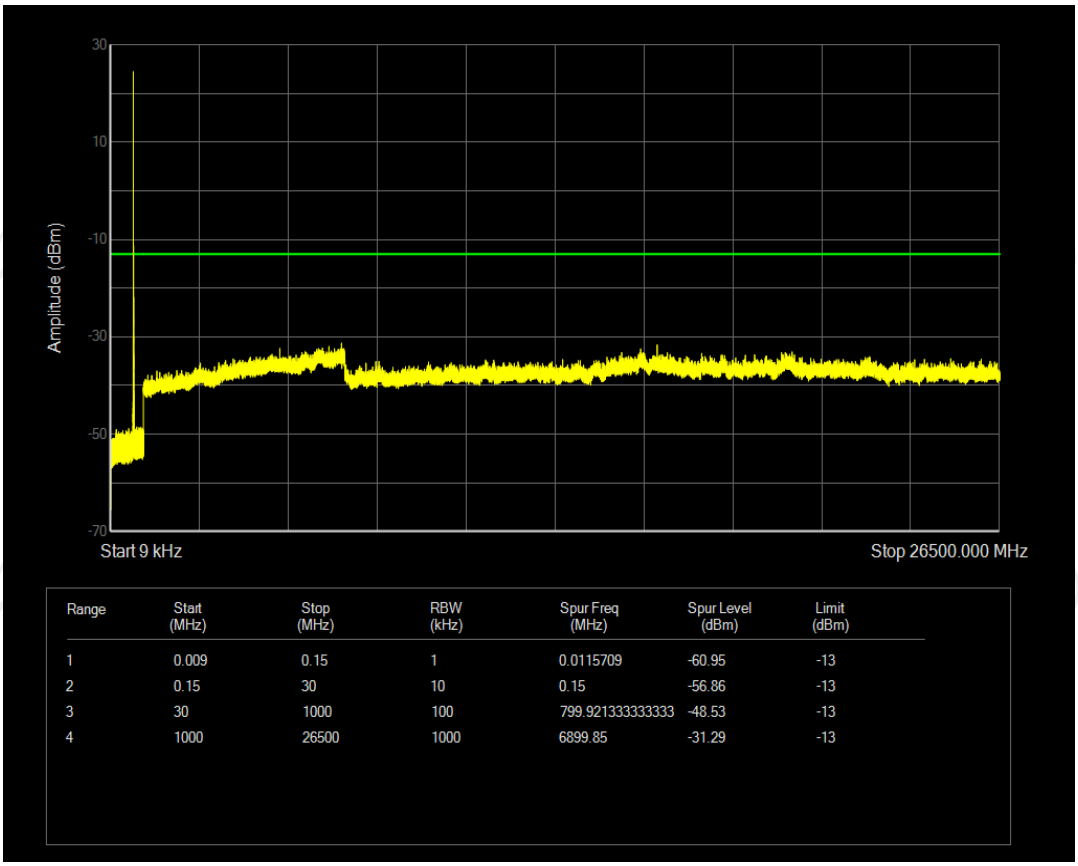
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0138363	-60.92	-13
2	0.15	30	10	0.156965	-57.81	-13
3	30	1000	100	890.810333333333	-48.4	-13
4	1000	26500	1000	6824.2	-31.62	-13

Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0



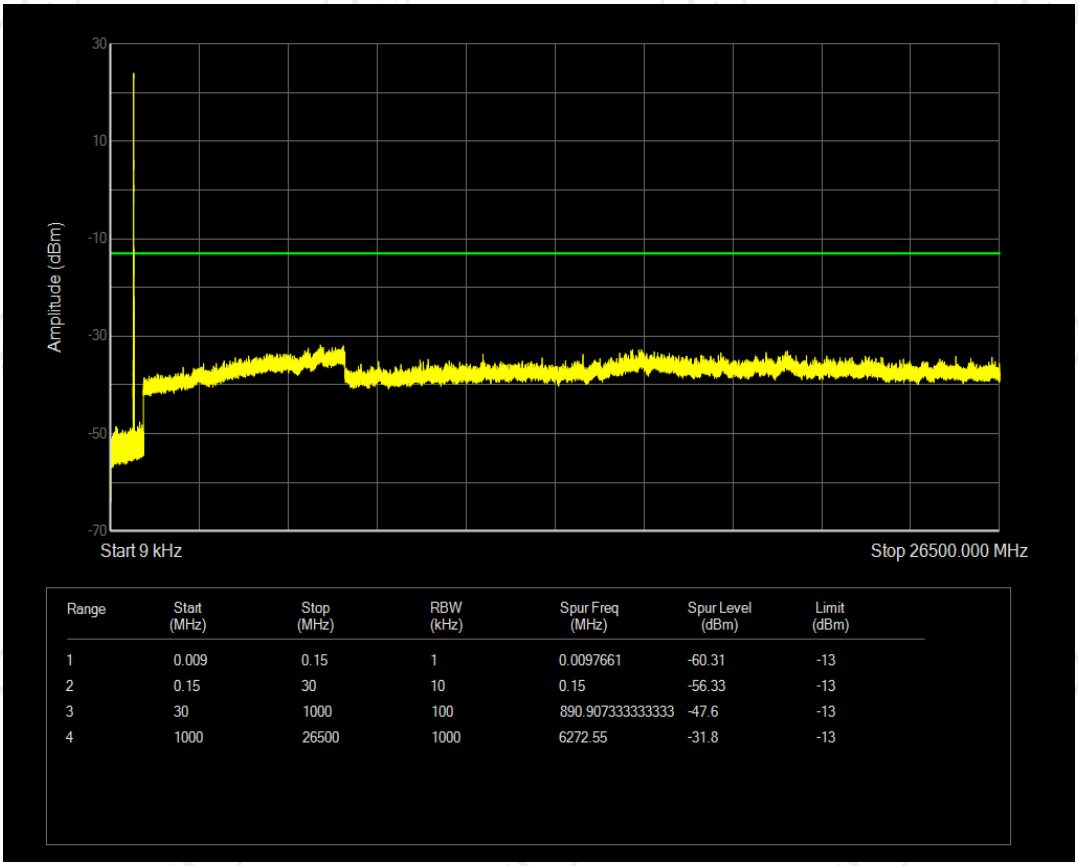
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0096815	-61.99	-13
2	0.15	30	10	0.15398	-56.86	-13
3	30	1000	100	928.802	-47.62	-13
4	1000	26500	1000	6803.8	-31.87	-13

Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0



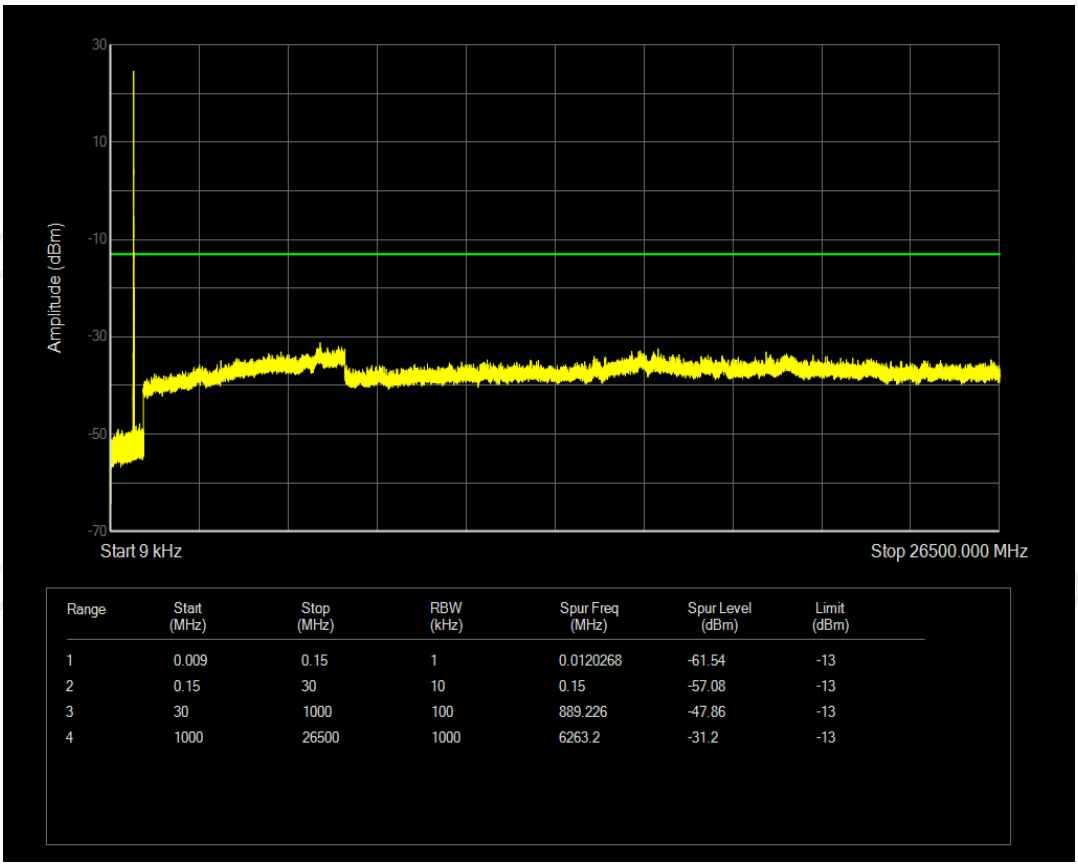
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0115709	-60.95	-13
2	0.15	30	10	0.15	-56.86	-13
3	30	1000	100	799.921333333333	-48.53	-13
4	1000	26500	1000	6899.85	-31.29	-13

Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



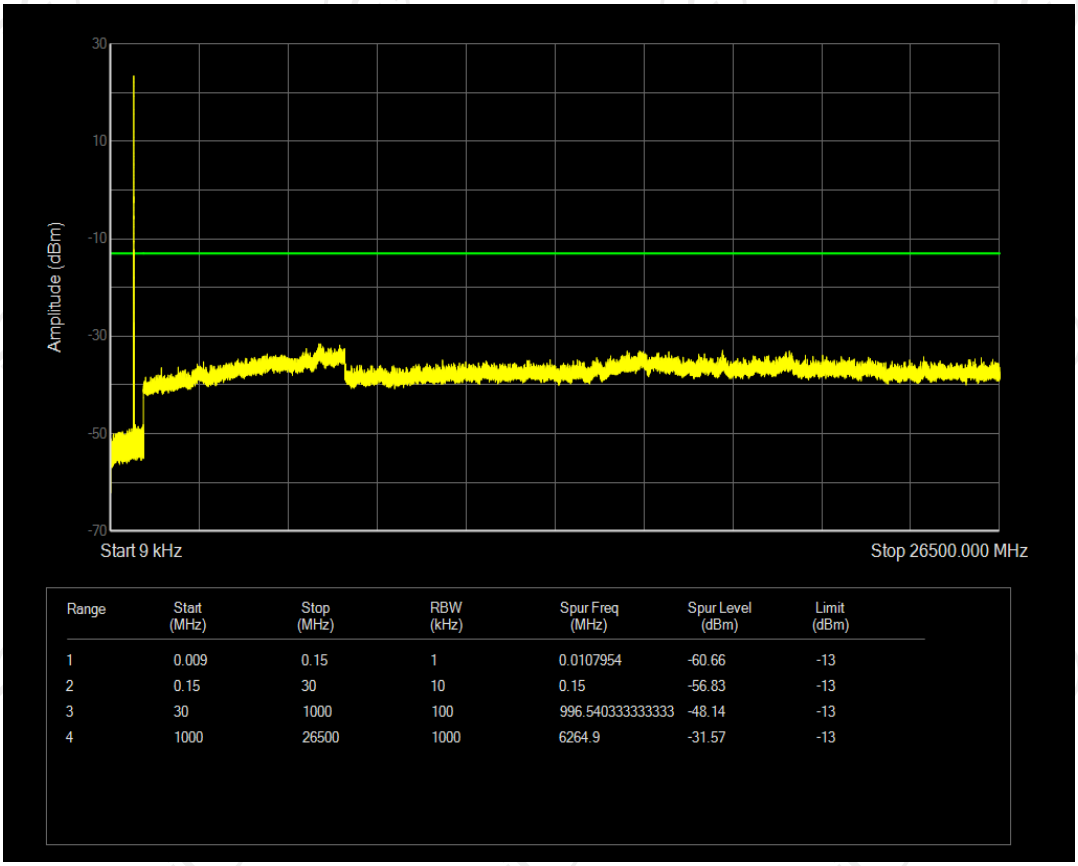
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0097661	-60.31	-13
2	0.15	30	10	0.15	-56.33	-13
3	30	1000	100	890.907333333333	-47.6	-13
4	1000	26500	1000	6272.55	-31.8	-13

Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0



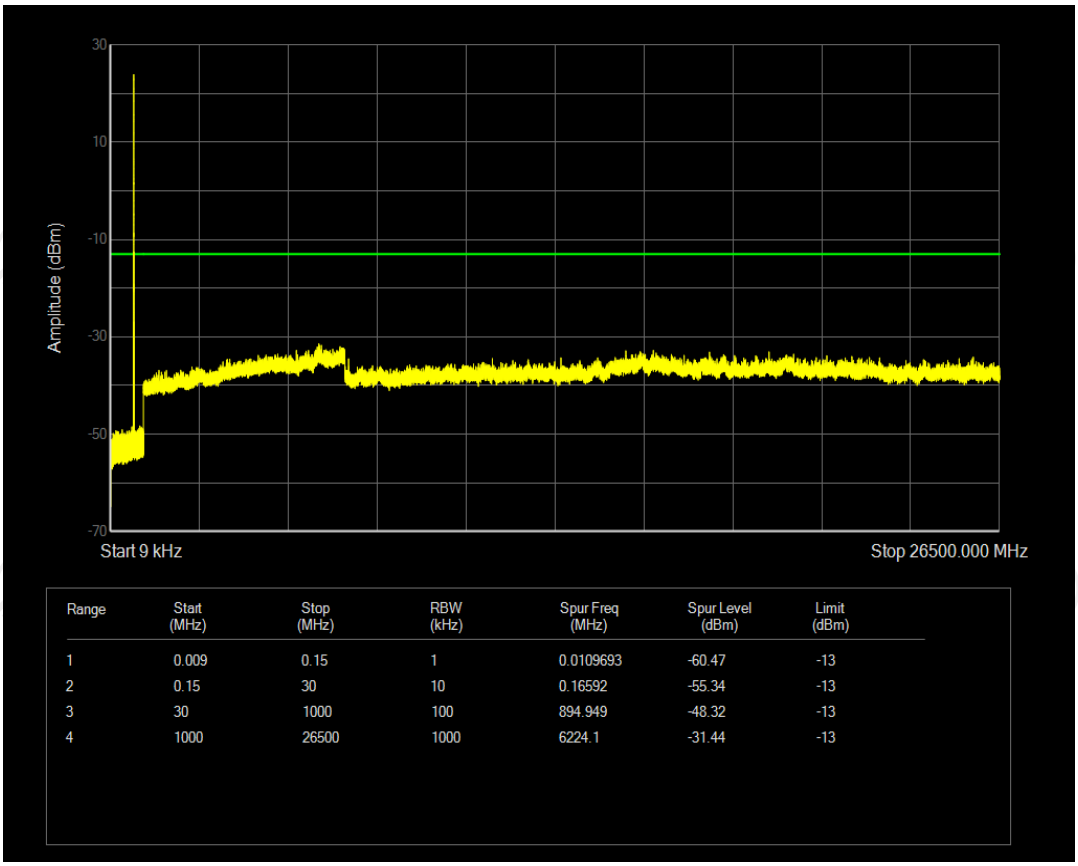
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0120268	-61.54	-13
2	0.15	30	10	0.15	-57.08	-13
3	30	1000	100	889.226	-47.86	-13
4	1000	26500	1000	6263.2	-31.2	-13

Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0



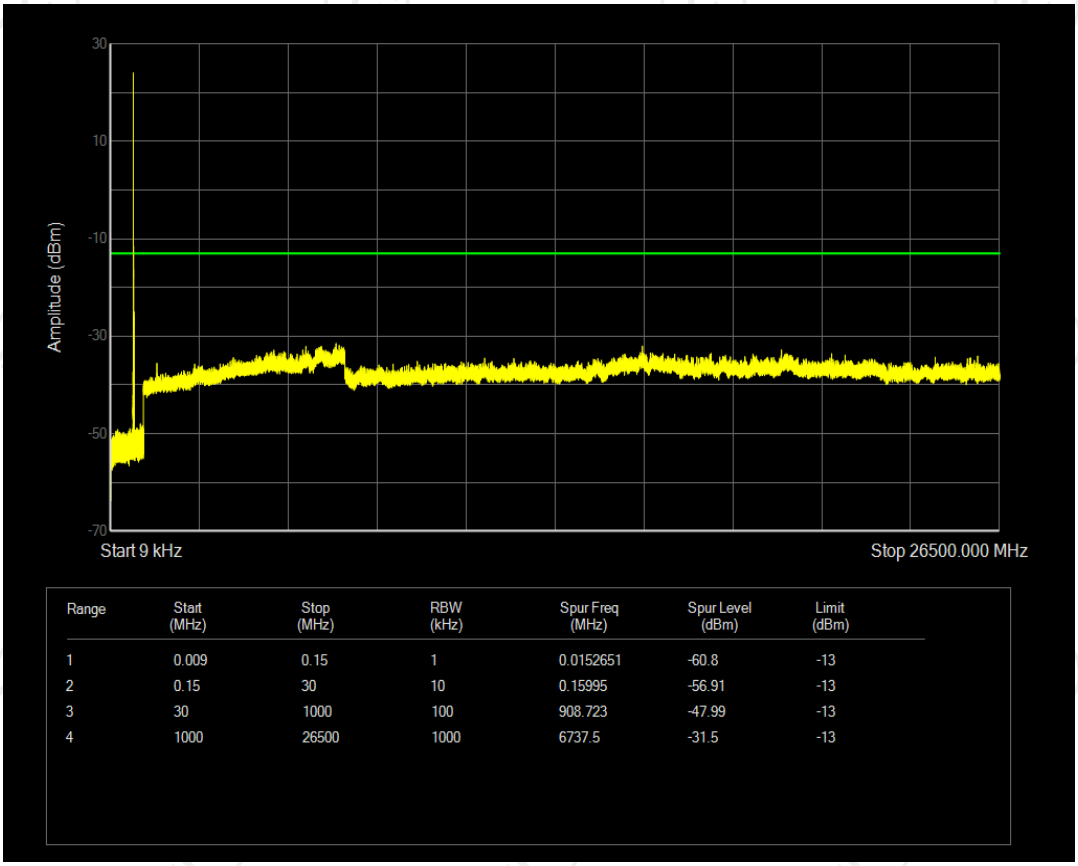
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0107954	-60.66	-13
2	0.15	30	10	0.15	-56.83	-13
3	30	1000	100	996.540333333333	-48.14	-13
4	1000	26500	1000	6264.9	-31.57	-13

Band12 16QAM BW=5MHz Channel=23155 RB Size=1 Position=#0



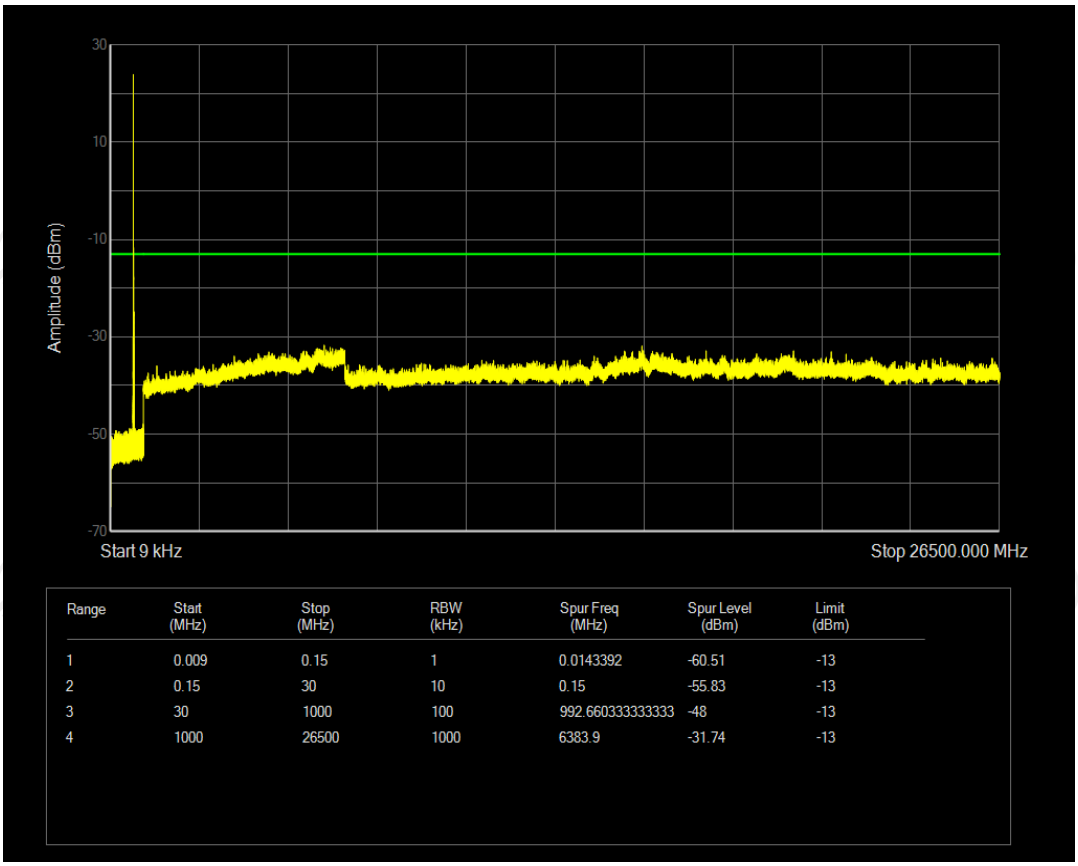
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0109693	-60.47	-13
2	0.15	30	10	0.16592	-55.34	-13
3	30	1000	100	894.949	-48.32	-13
4	1000	26500	1000	6224.1	-31.44	-13

Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0



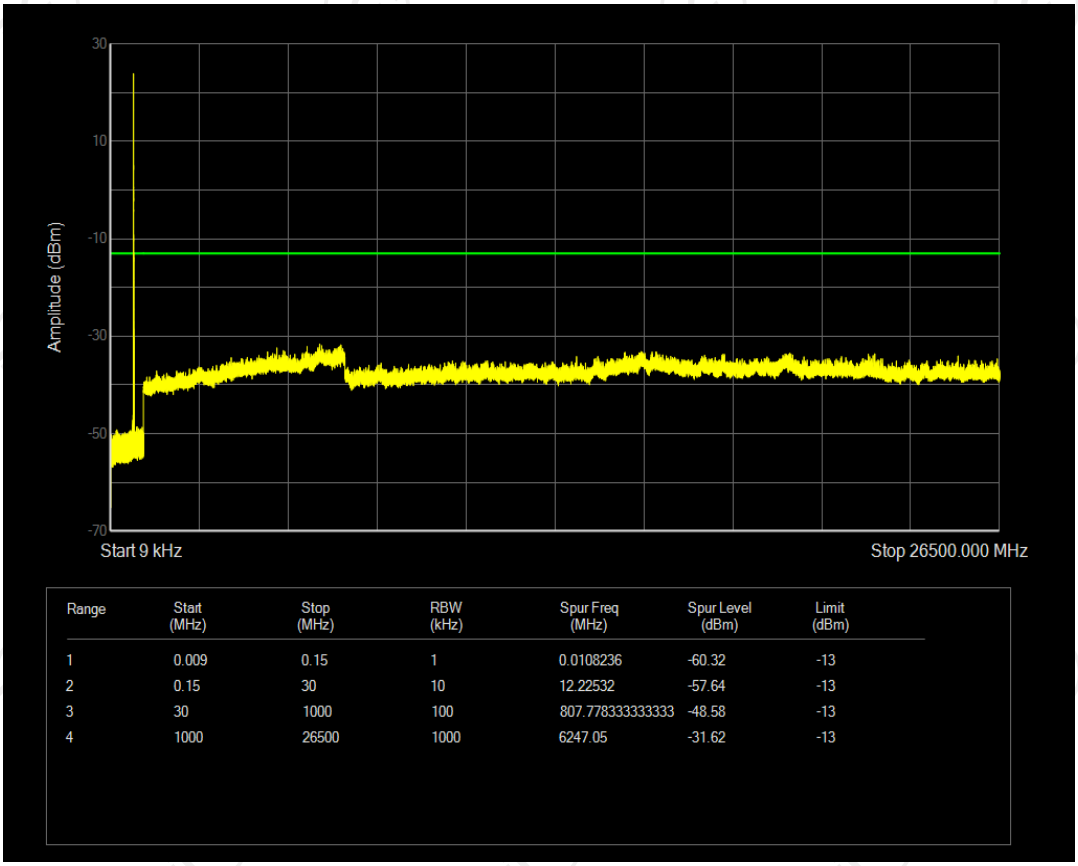
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0152651	-60.8	-13
2	0.15	30	10	0.15995	-56.91	-13
3	30	1000	100	908.723	-47.99	-13
4	1000	26500	1000	6737.5	-31.5	-13

Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0



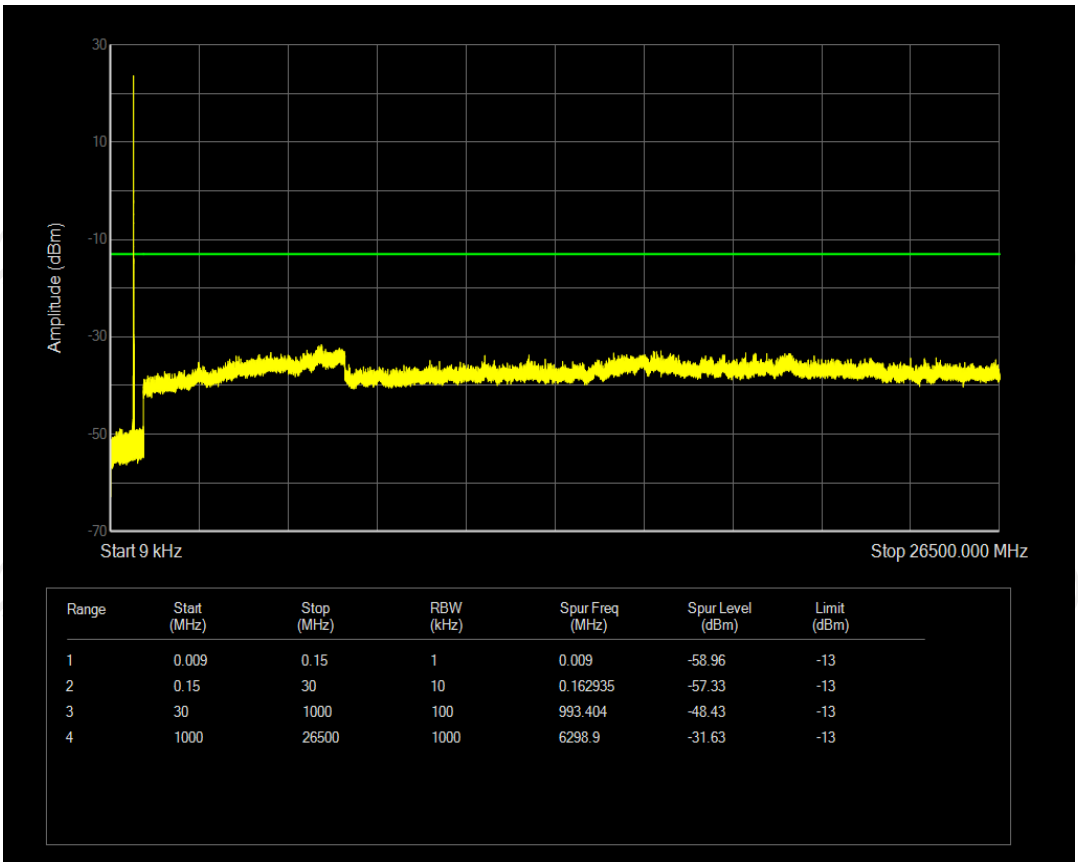
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0143392	-60.51	-13
2	0.15	30	10	0.15	-55.83	-13
3	30	1000	100	992.660333333333	-48	-13
4	1000	26500	1000	6383.9	-31.74	-13

Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0



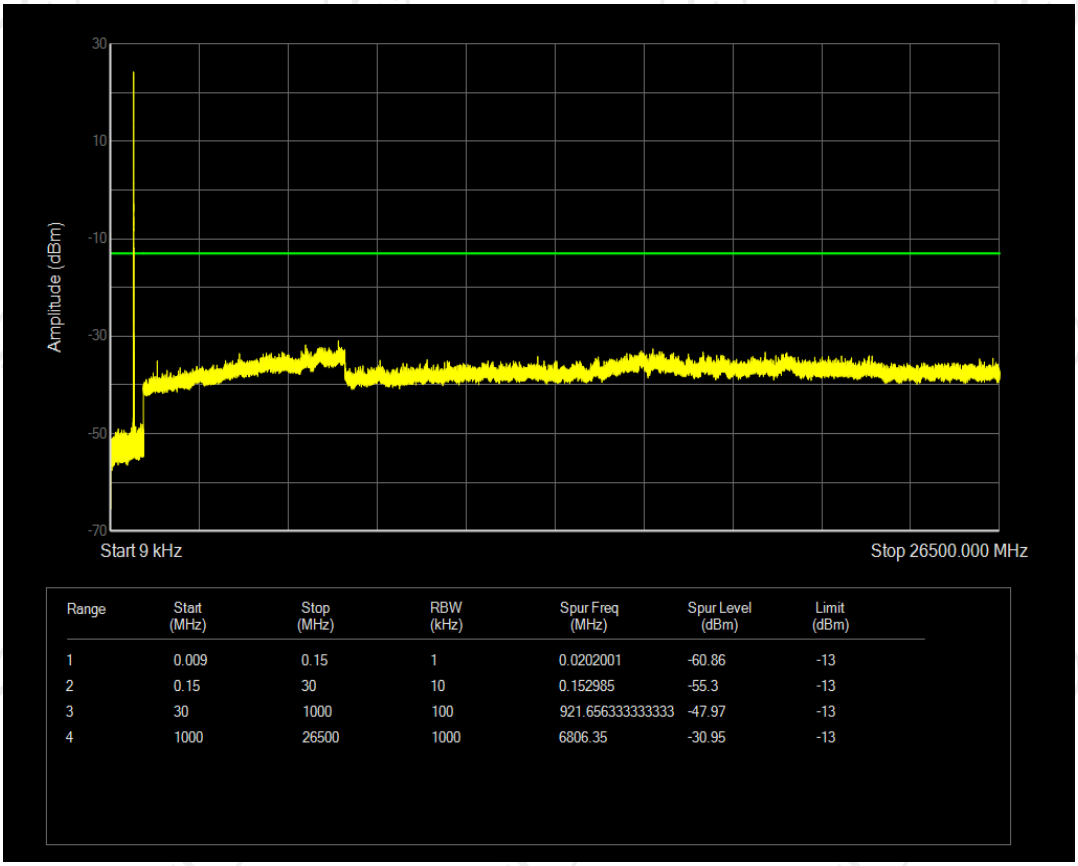
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0108236	-60.32	-13
2	0.15	30	10	12.22532	-57.64	-13
3	30	1000	100	807.778333333333	-48.58	-13
4	1000	26500	1000	6247.05	-31.62	-13

Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0



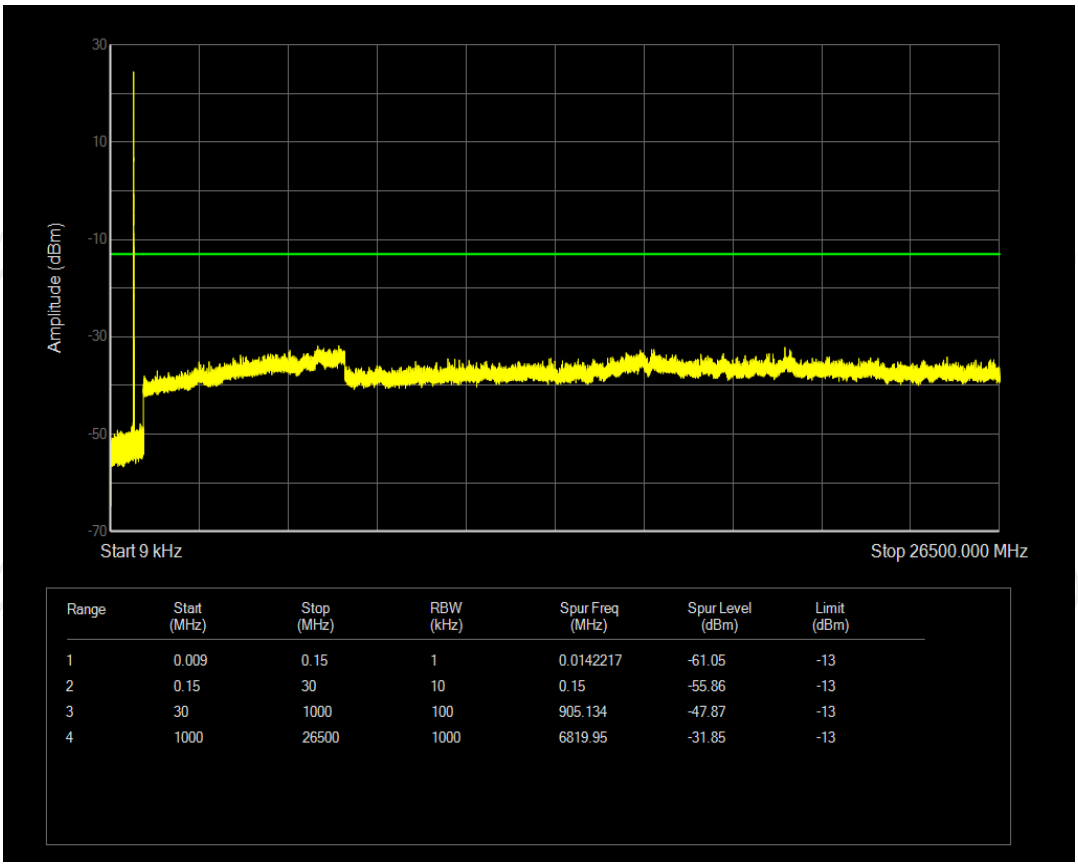
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-58.96	-13
2	0.15	30	10	0.162935	-57.33	-13
3	30	1000	100	993.404	-48.43	-13
4	1000	26500	1000	6298.9	-31.63	-13

Band12 QPSK BW=10MHz Channel=23130 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	0.0202001	-60.86	-13
2	0.15	30	10	0.152985	-55.3	-13
3	30	1000	100	921.656333333333	-47.97	-13
4	1000	26500	1000	6806.35	-30.95	-13

Band12 16QAM BW=10MHz Channel=23130 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	0.0142217	-61.05	-13
2	0.15	30	10	0.15	-55.86	-13
3	30	1000	100	905.134	-47.87	-13
4	1000	26500	1000	6819.95	-31.85	-13