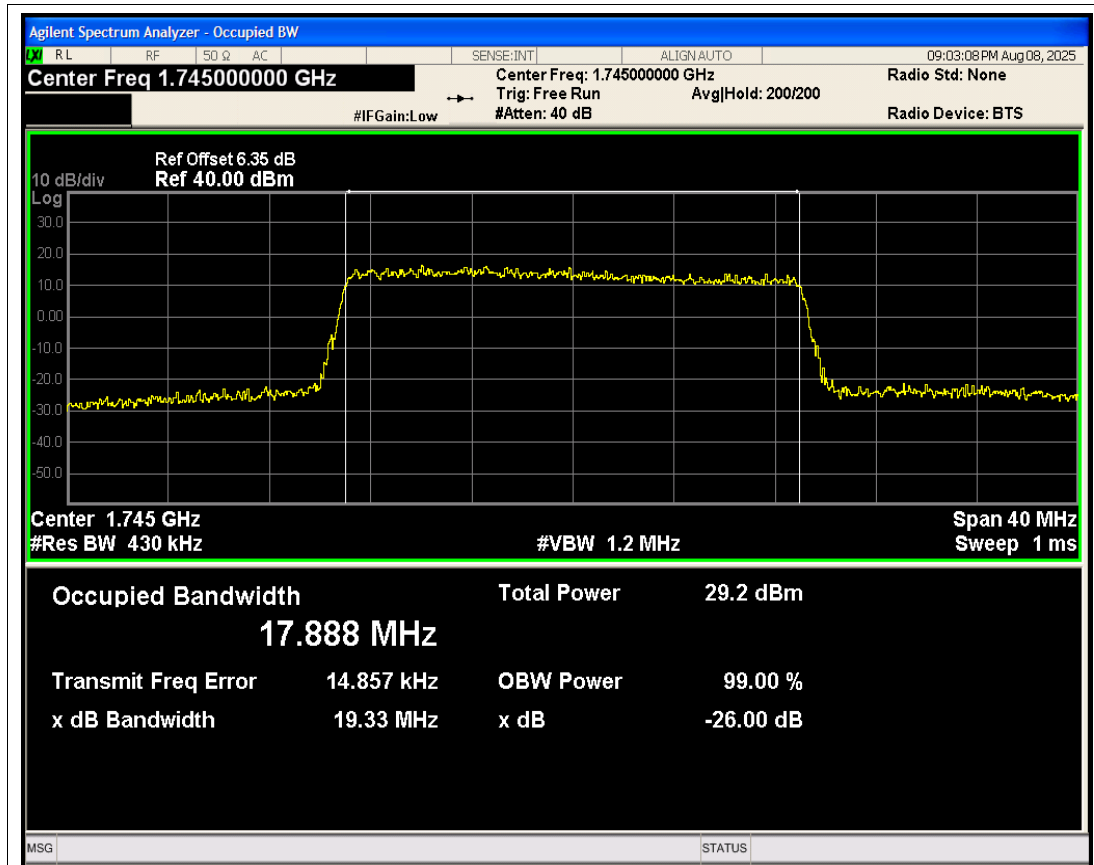
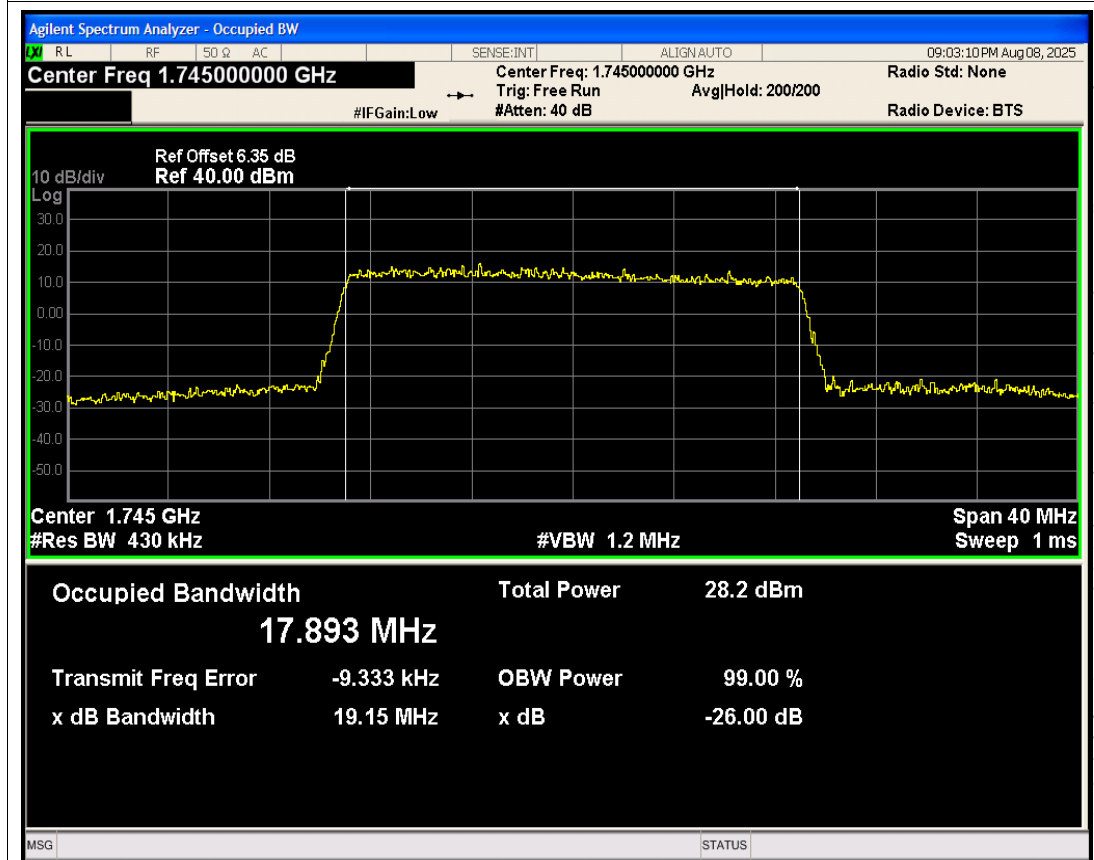
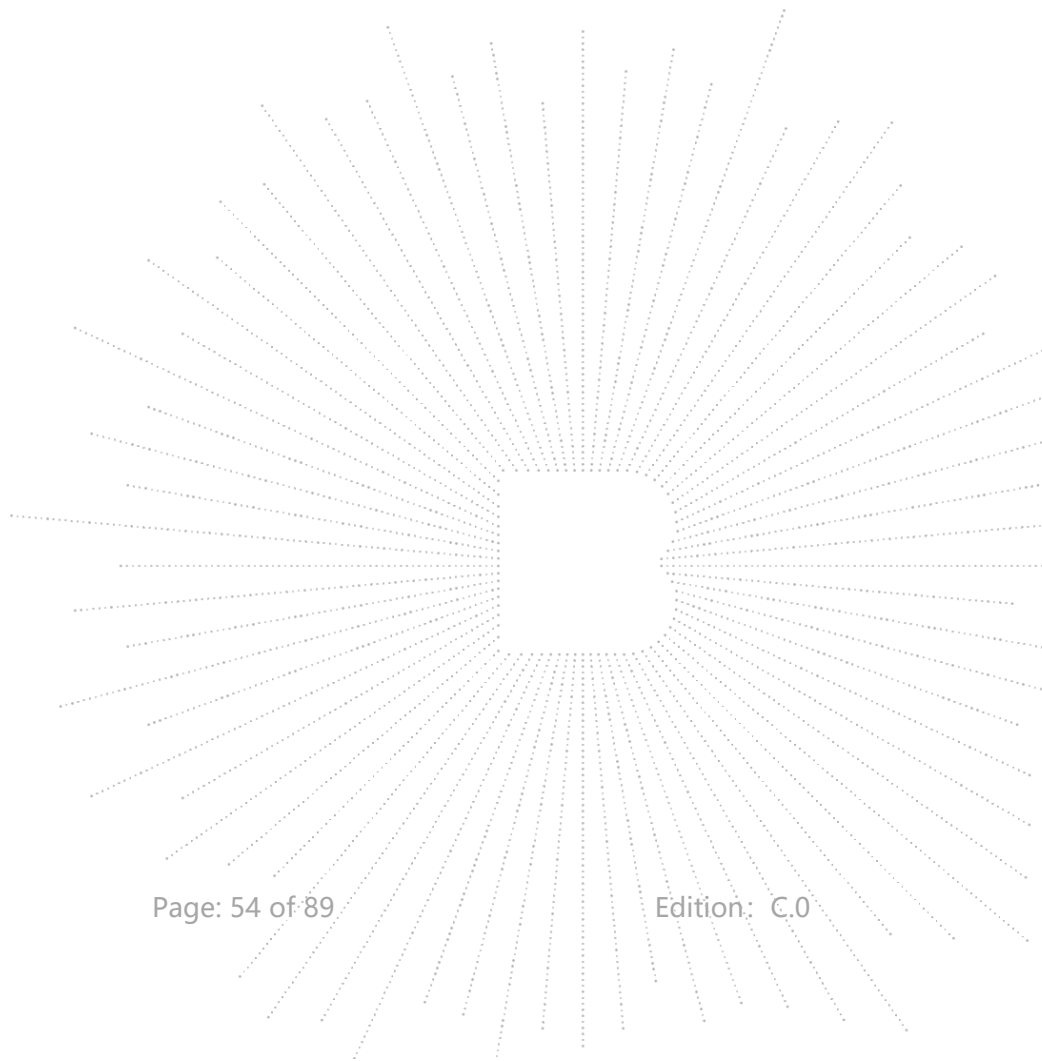




Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT



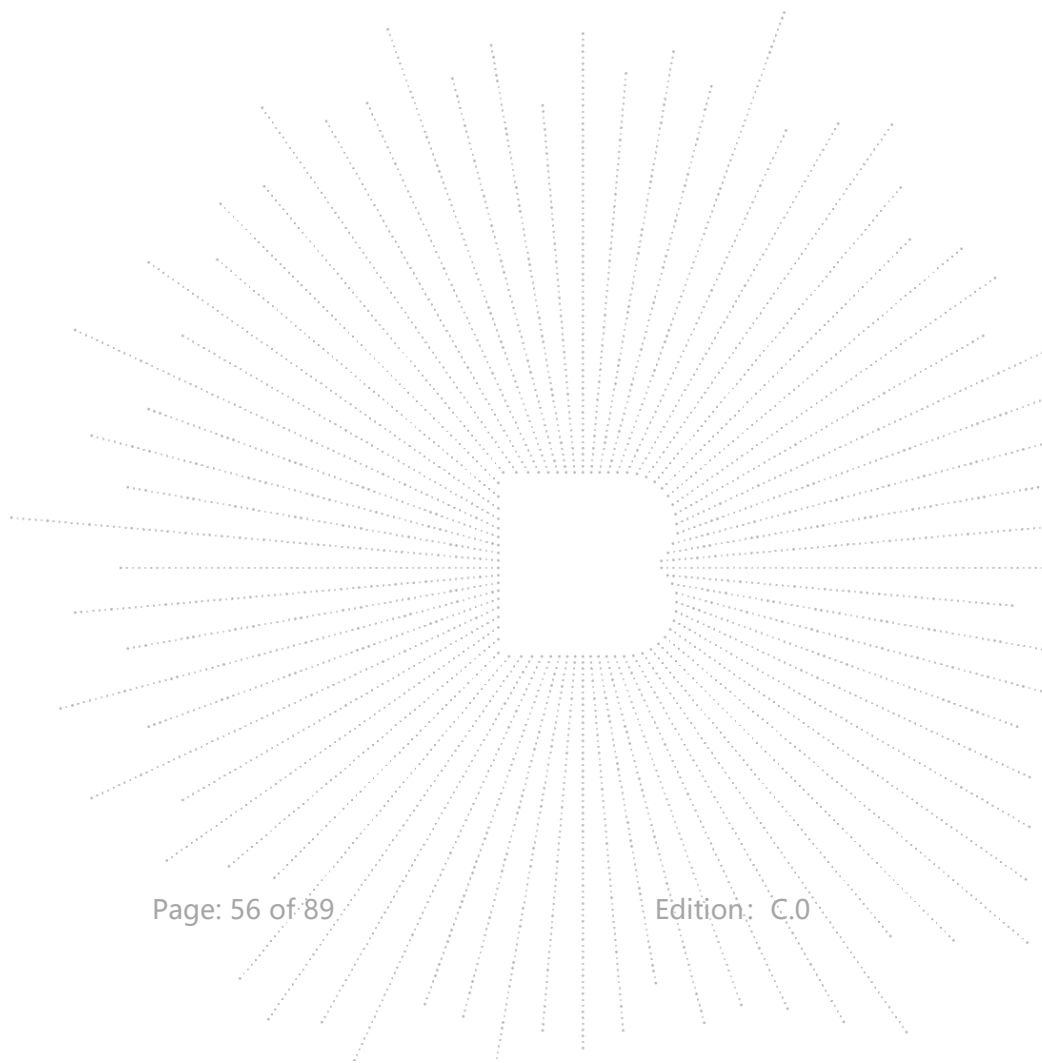
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT

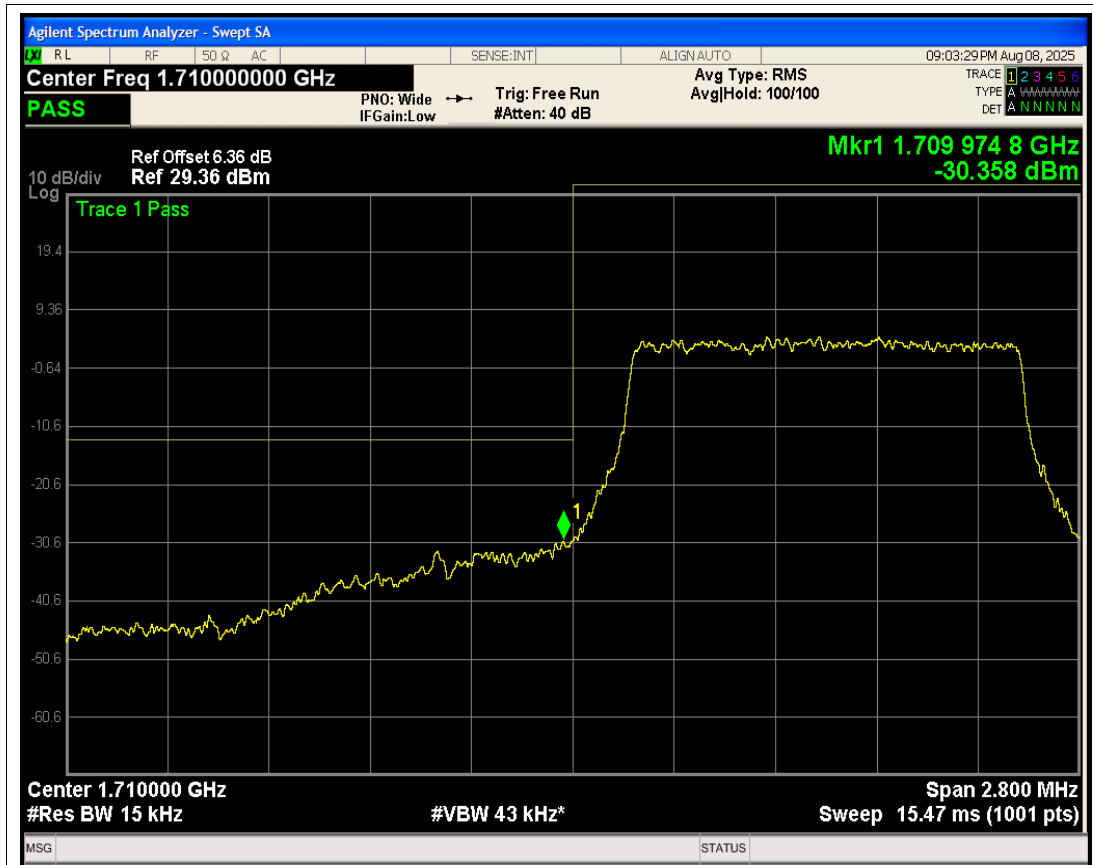


Appendix 5. Band edge

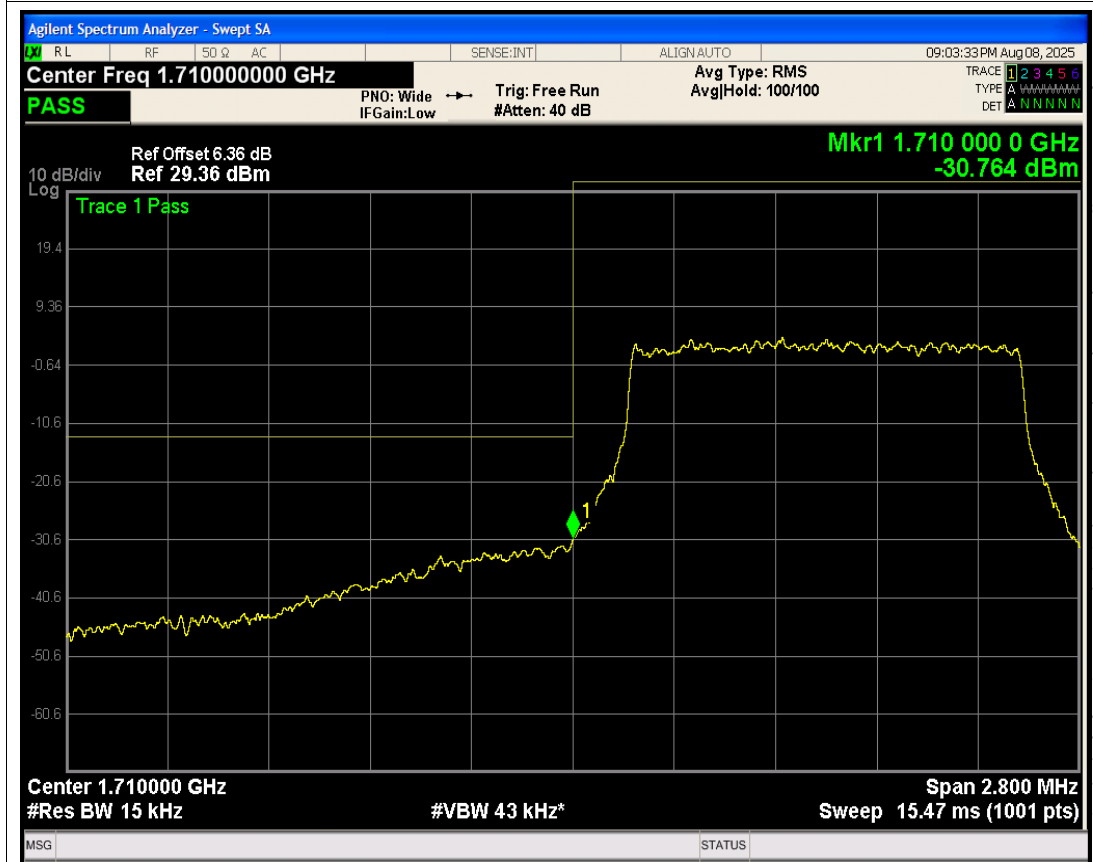
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band 4	1.4	19957	6	#0	QPSK	1709.97	-30.35	-13	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	1710.00	-30.76	-13	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	1755.08	-27.49	-13	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	1755.08	-29.03	-13	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	1710.00	-31.09	-13	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	1709.99	-32.23	-13	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	1755.01	-29.33	-13	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	1755.01	-30.65	-13	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	1709.97	-31.03	-13	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	1709.95	-31.72	-13	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	1755.00	-29.26	-13	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	1755.00	-30.96	-13	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	1709.84	-30.99	-13	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	1709.92	-32.31	-13	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	1755.88	-32.89	-13	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	1755.16	-33.58	-13	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	1710.00	-28.60	-13	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	1709.61	-30.70	-13	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	1755.03	-32.98	-13	PASS

NVNT	Band 4	15	20325	75	#0	16QAM	1761.0 6	-34.0 2	-13	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	1709.2 8	-29.2 6	-13	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	1709.5 6	-31.2 0	-13	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	1759.5 2	-34.6 7	-13	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	1761.7 6	-34.9 1	-13	PASS





Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



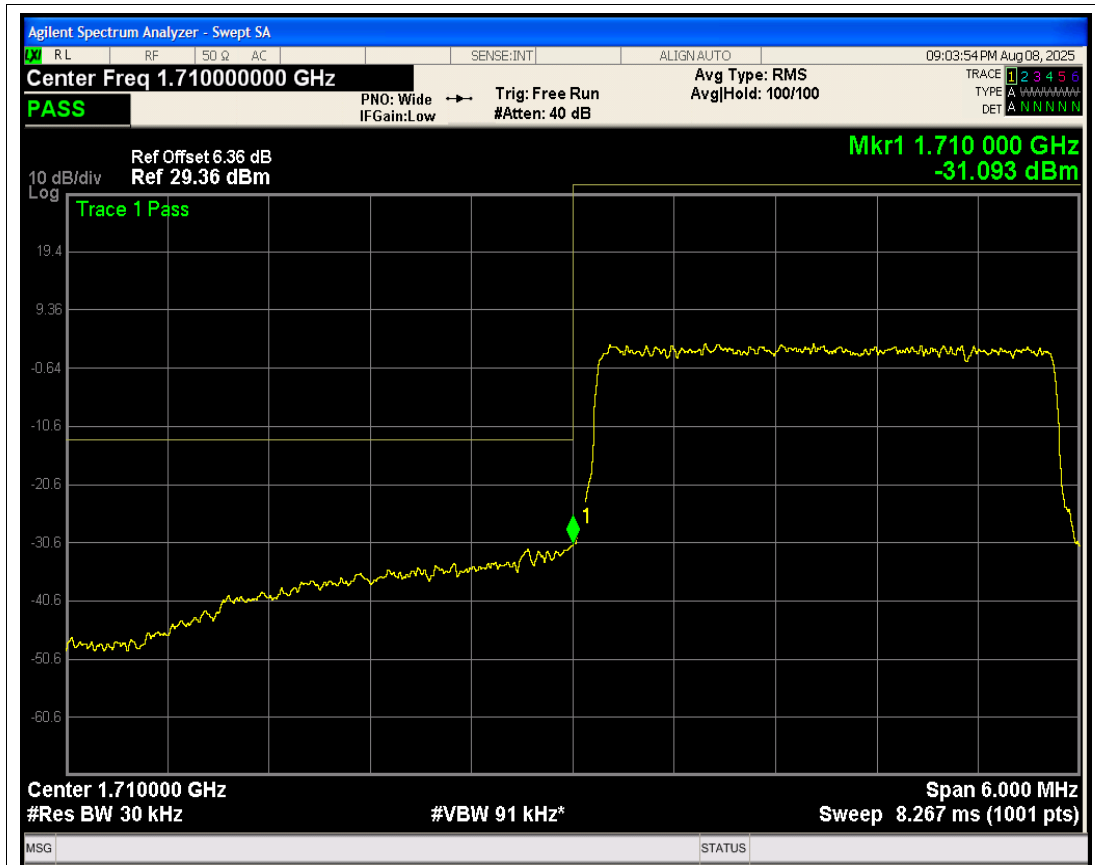
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



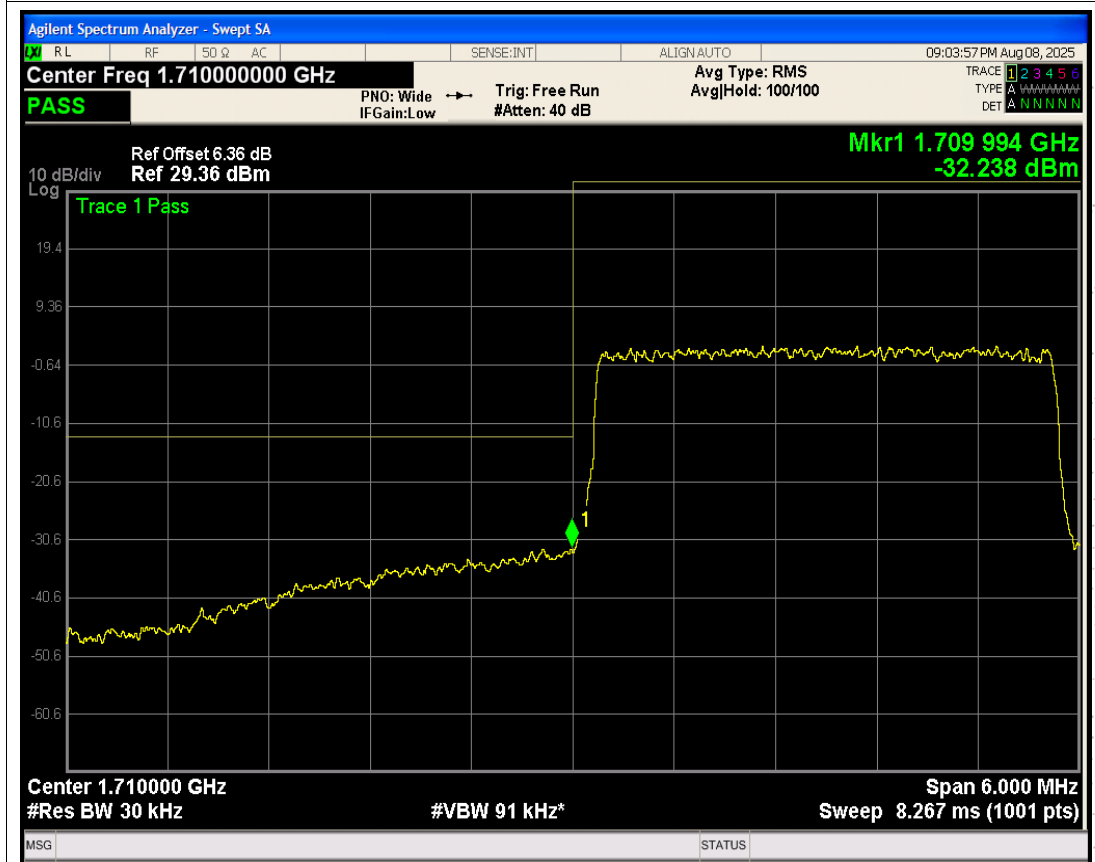
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



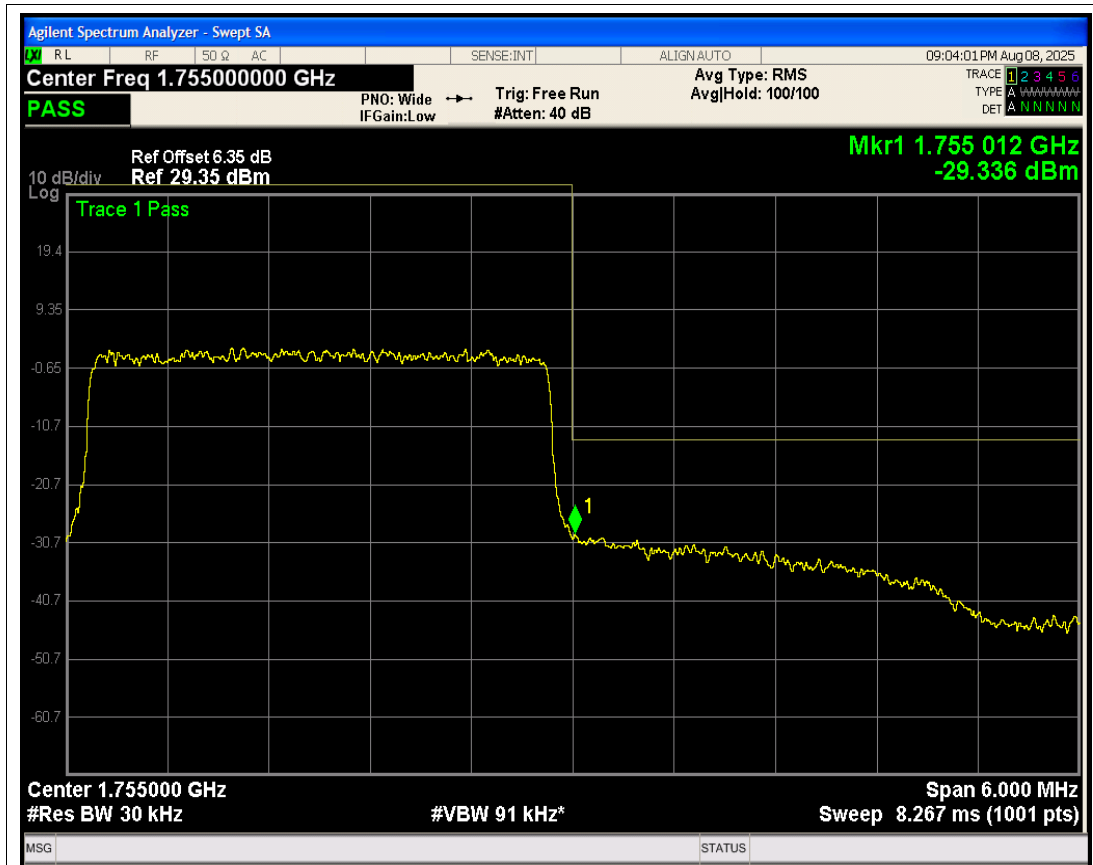
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



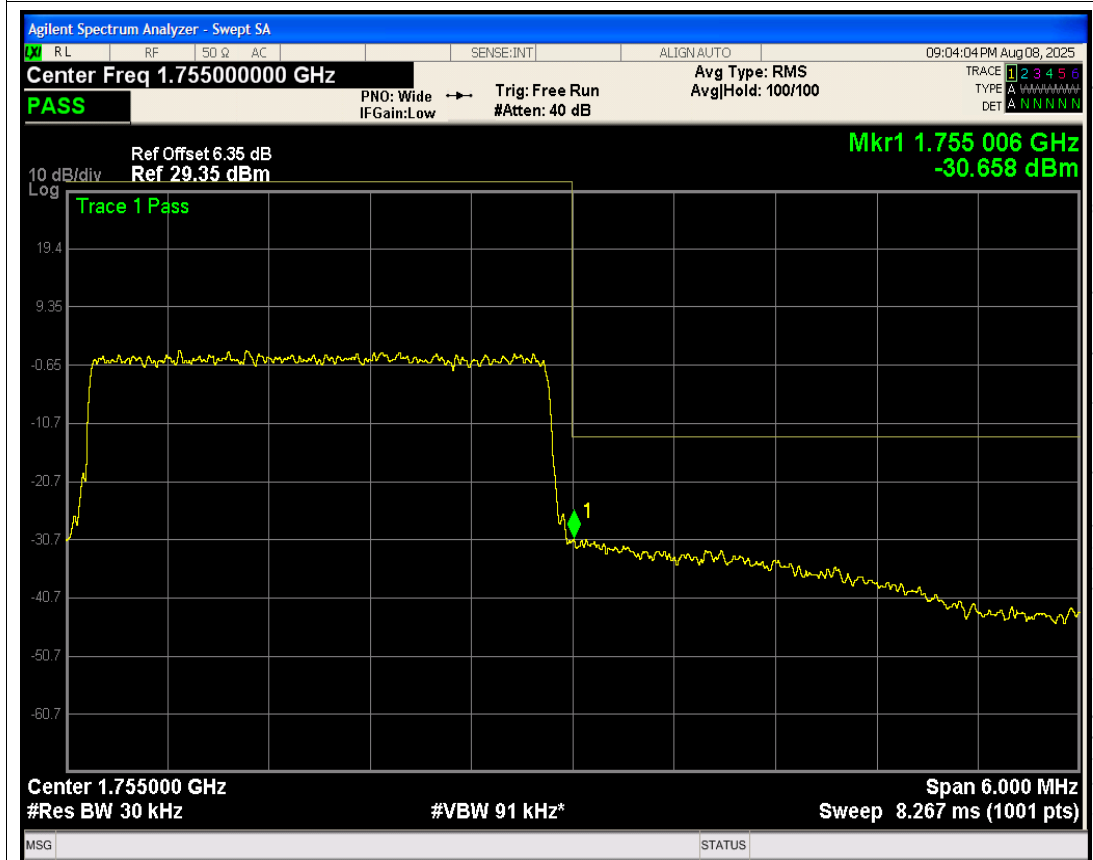
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



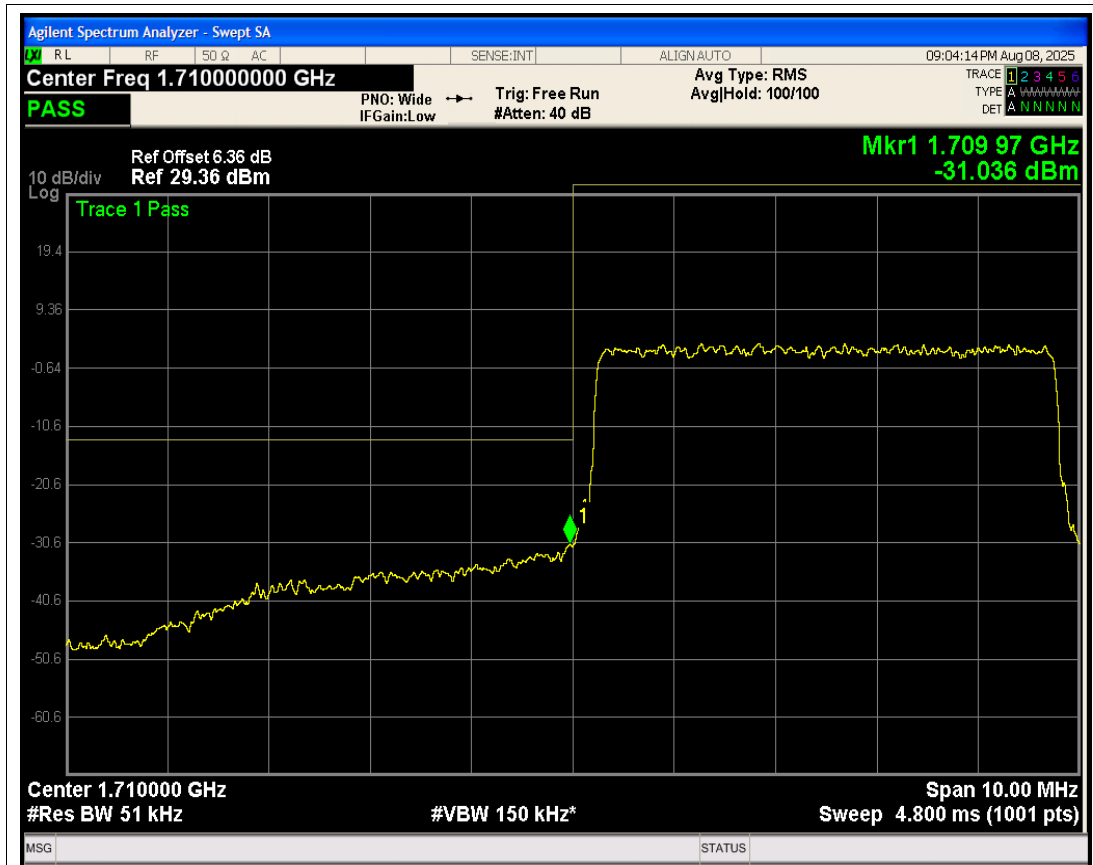
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



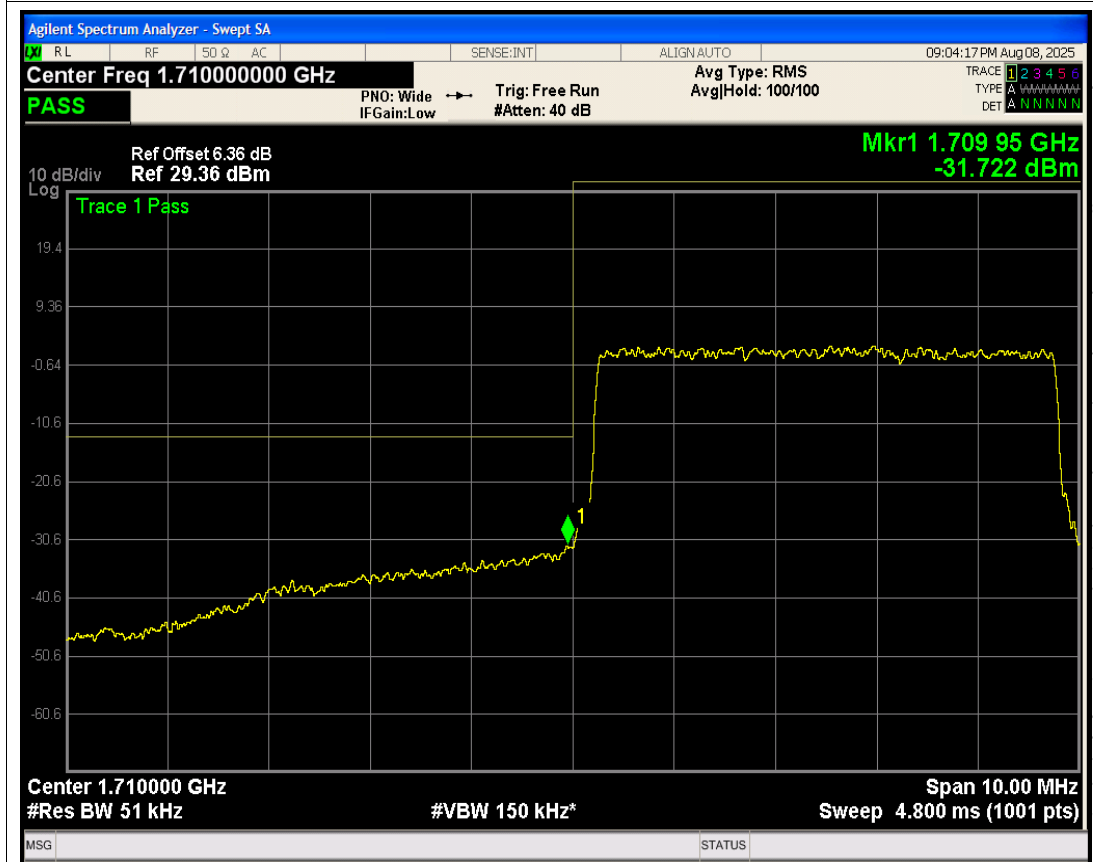
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



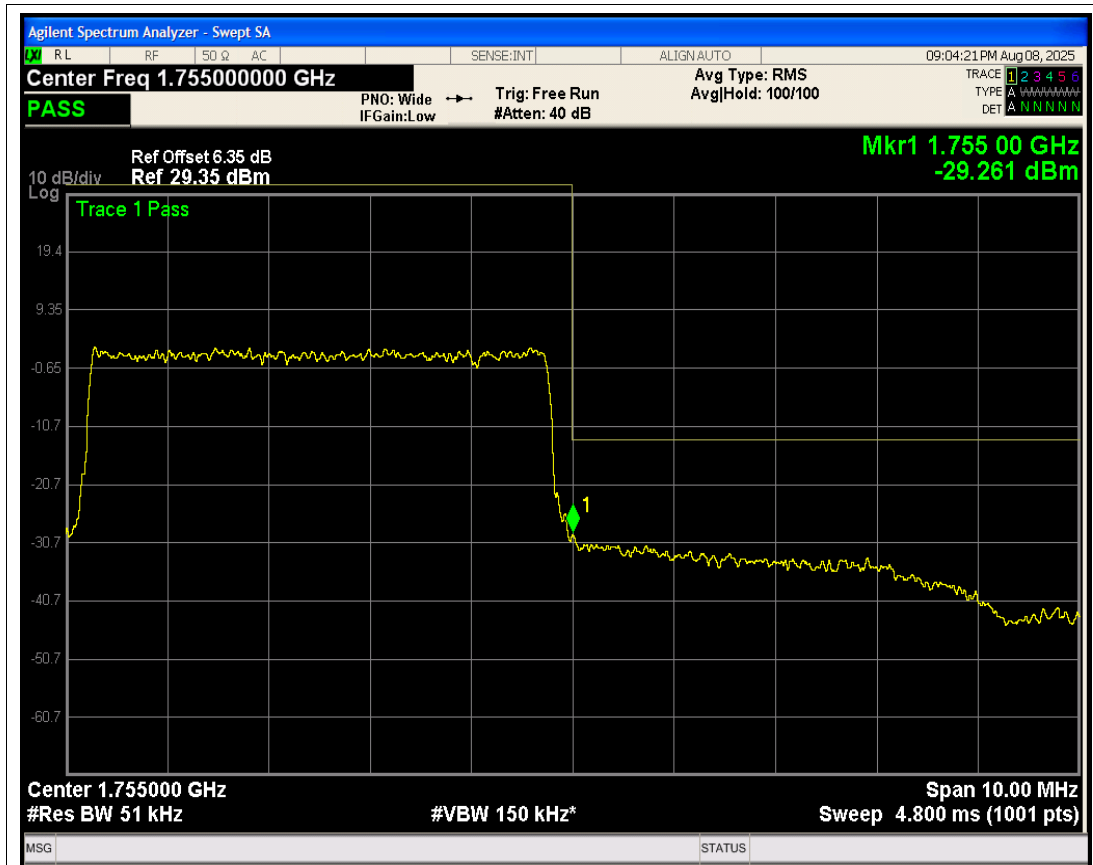
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



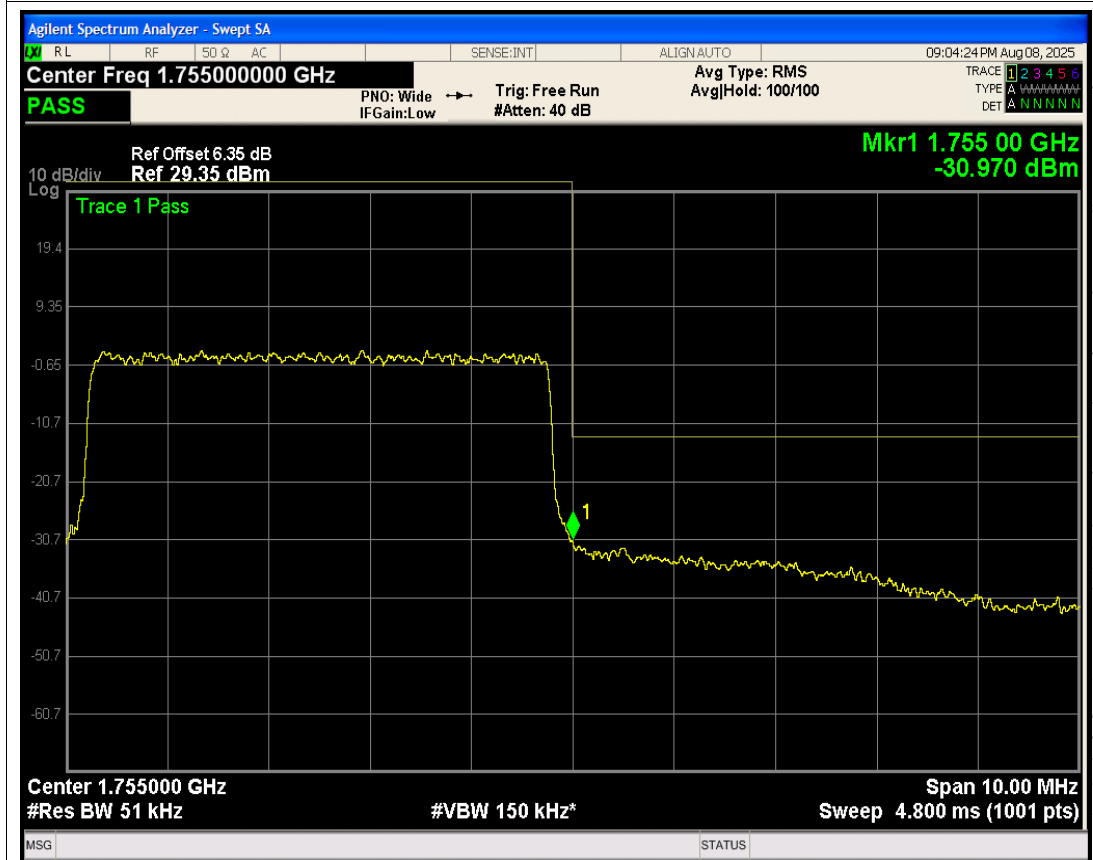
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



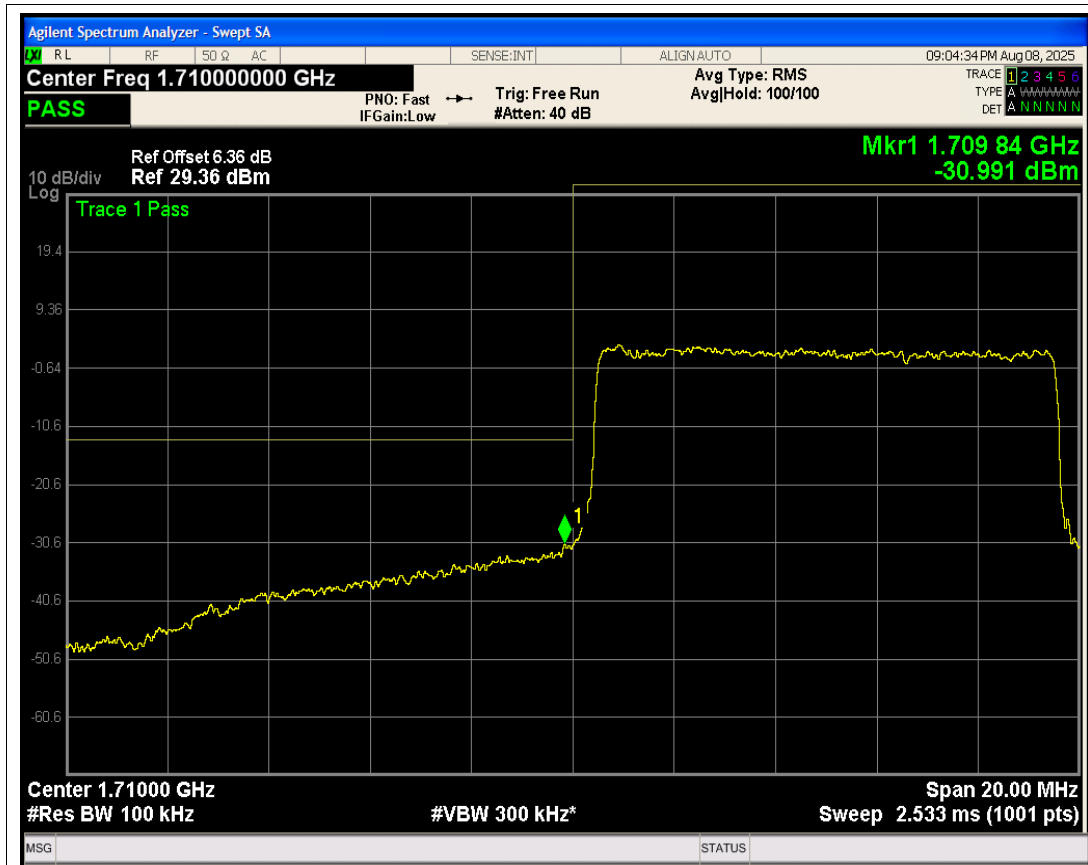
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



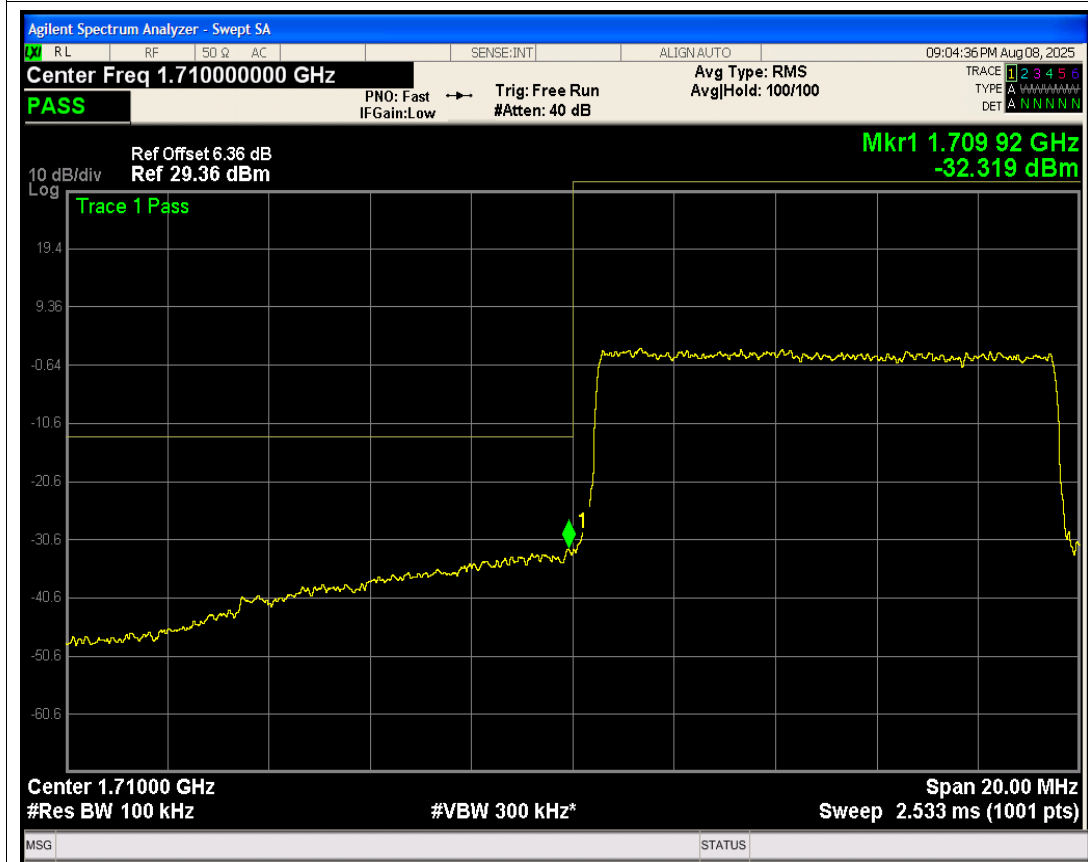
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



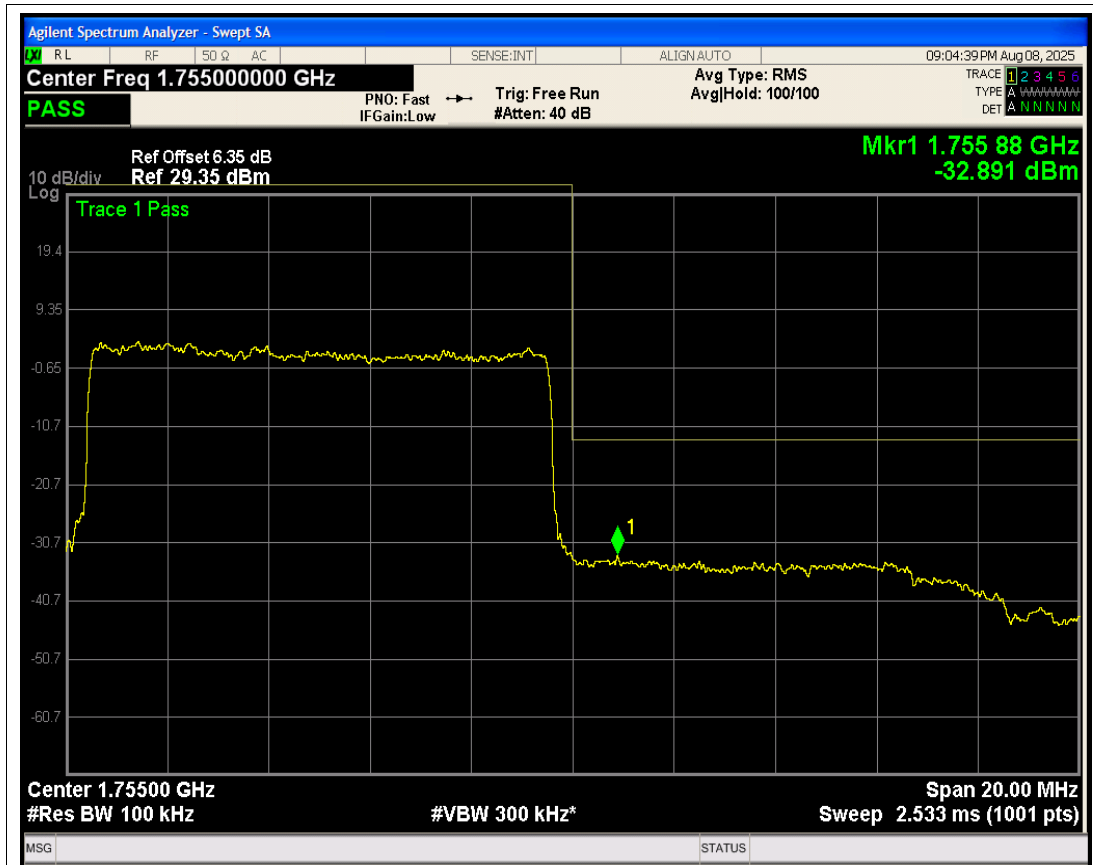
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



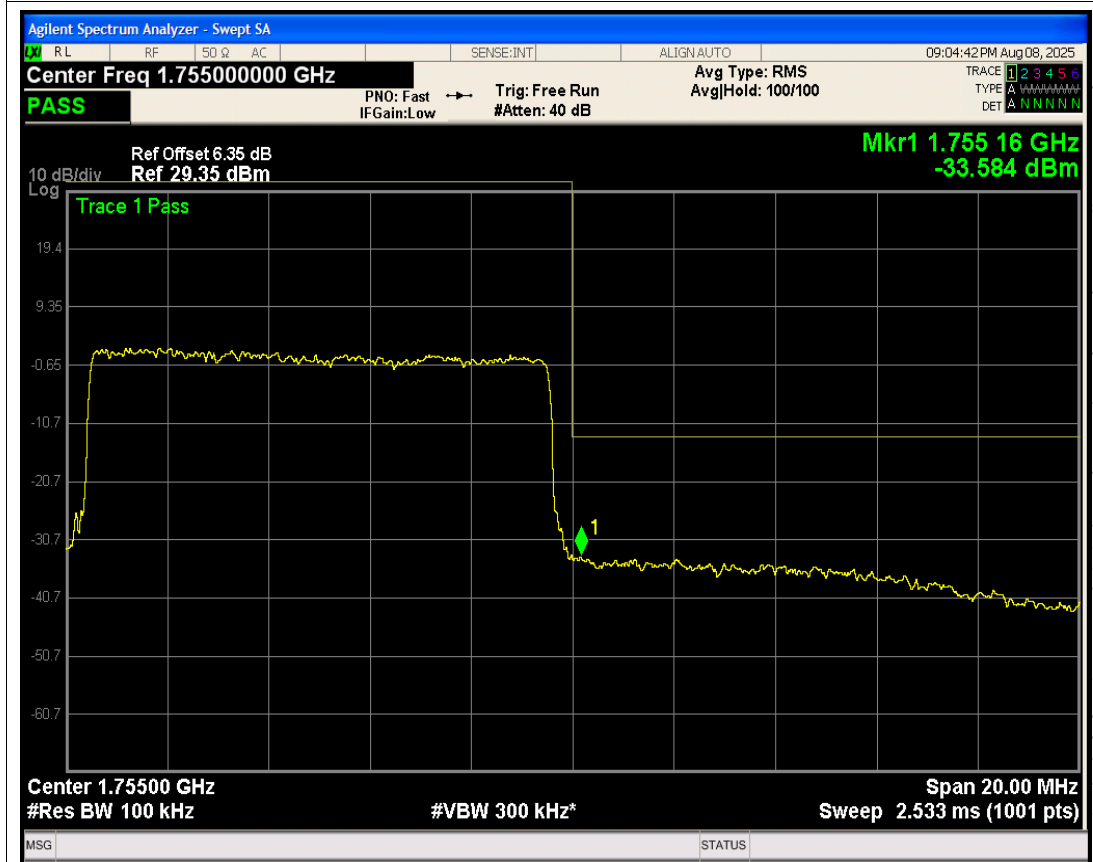
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



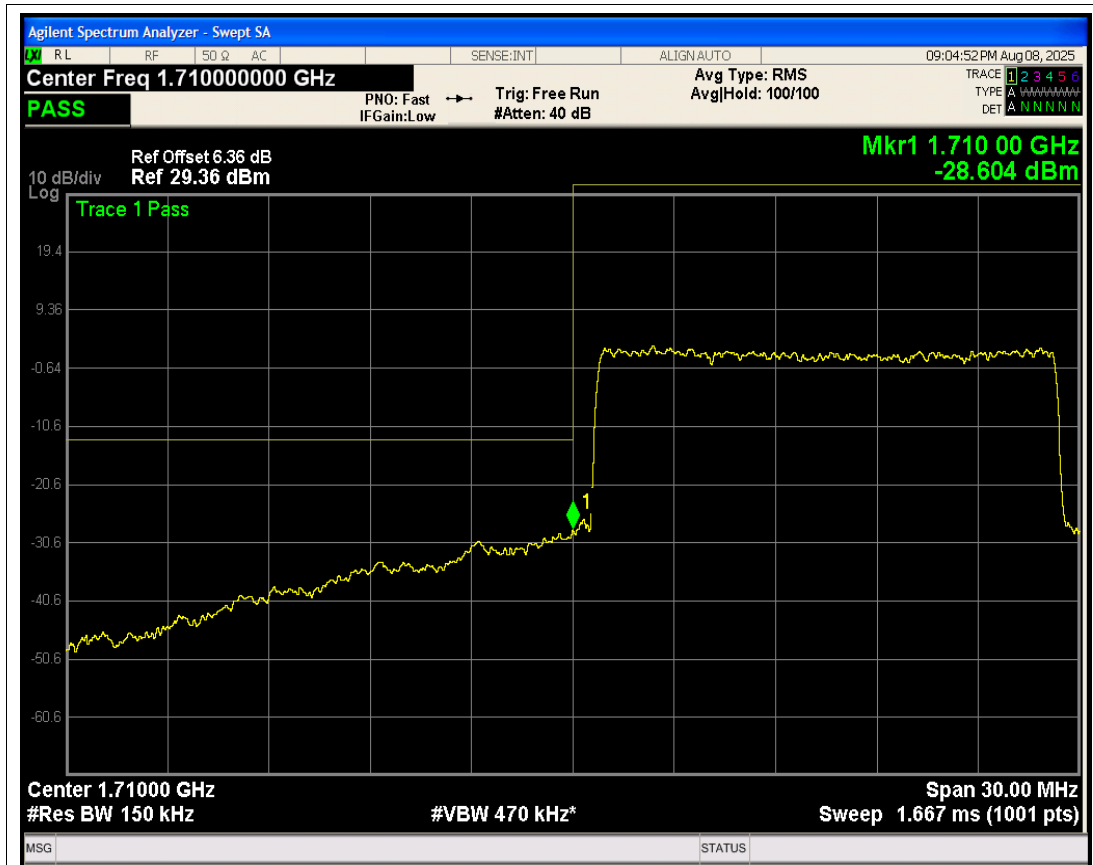
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



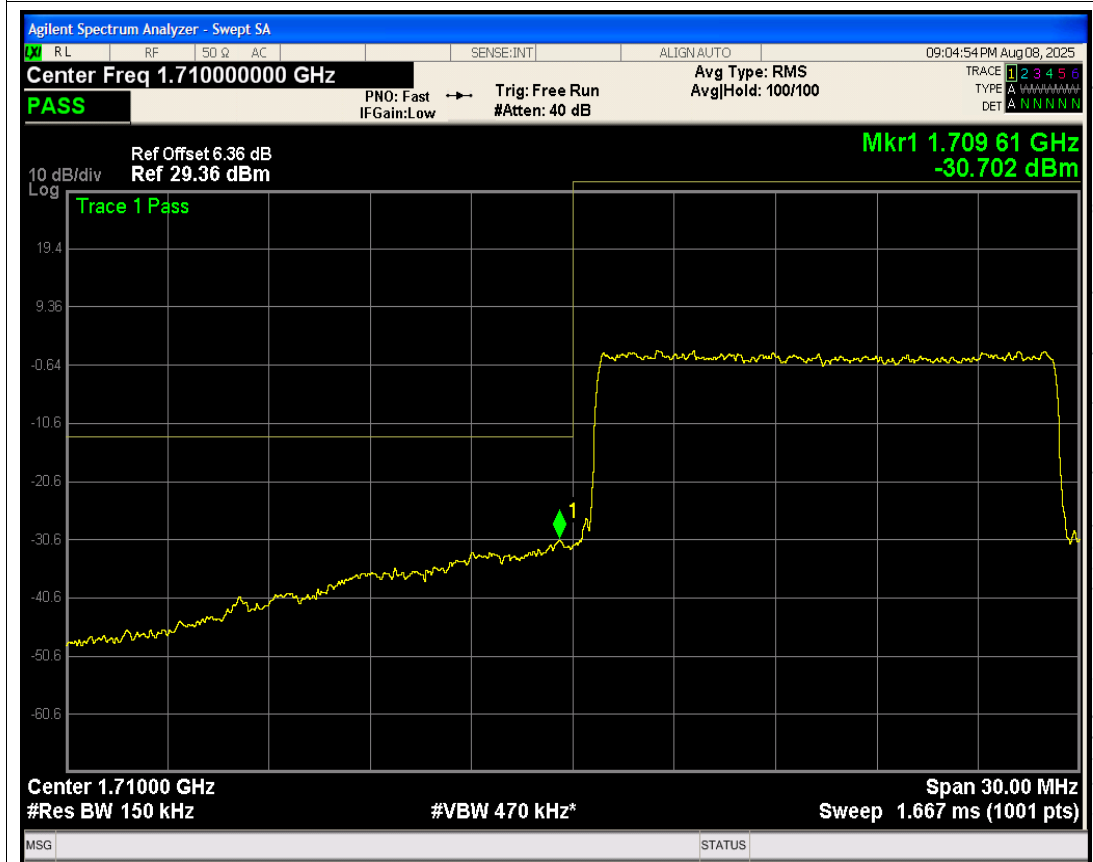
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



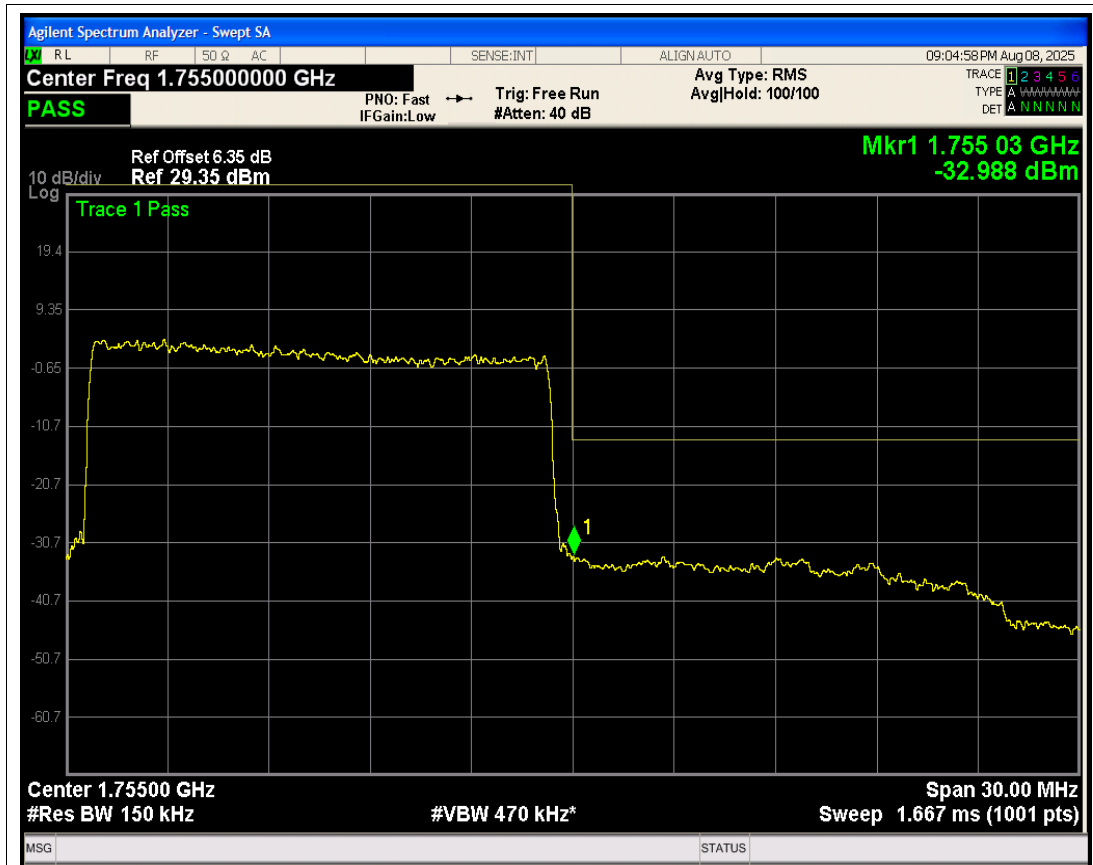
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



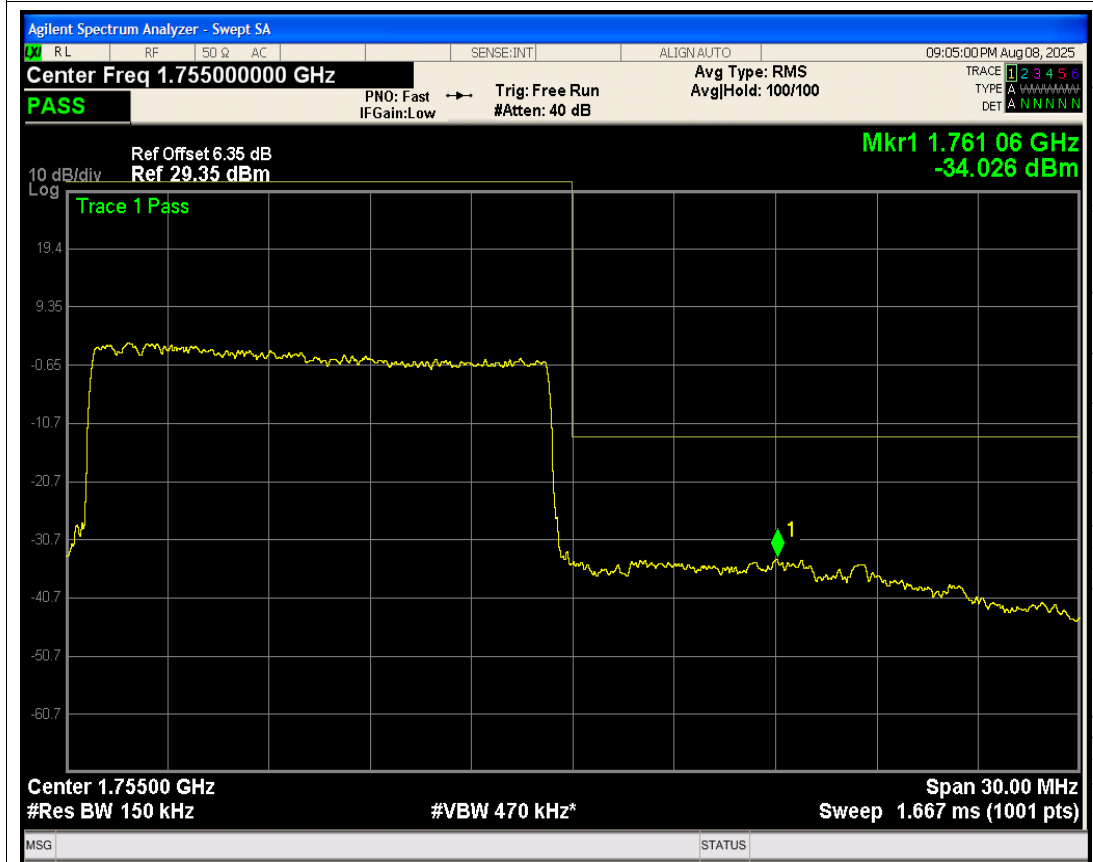
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



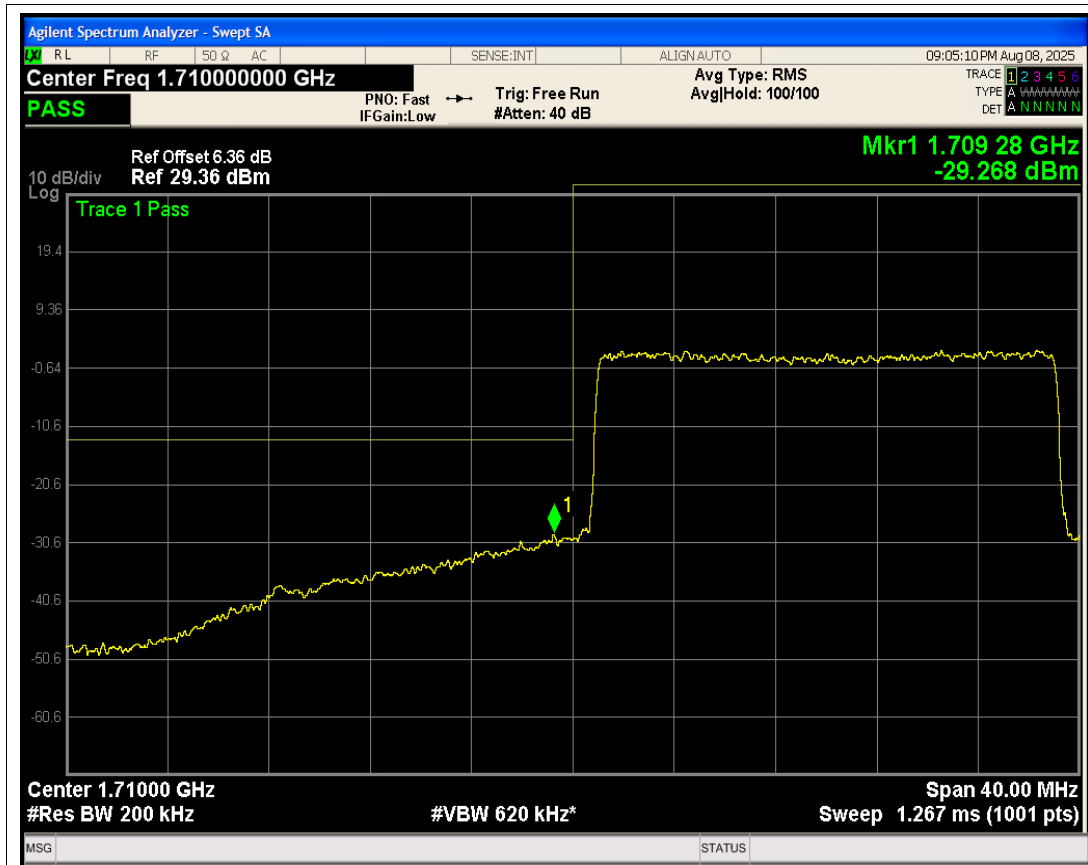
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



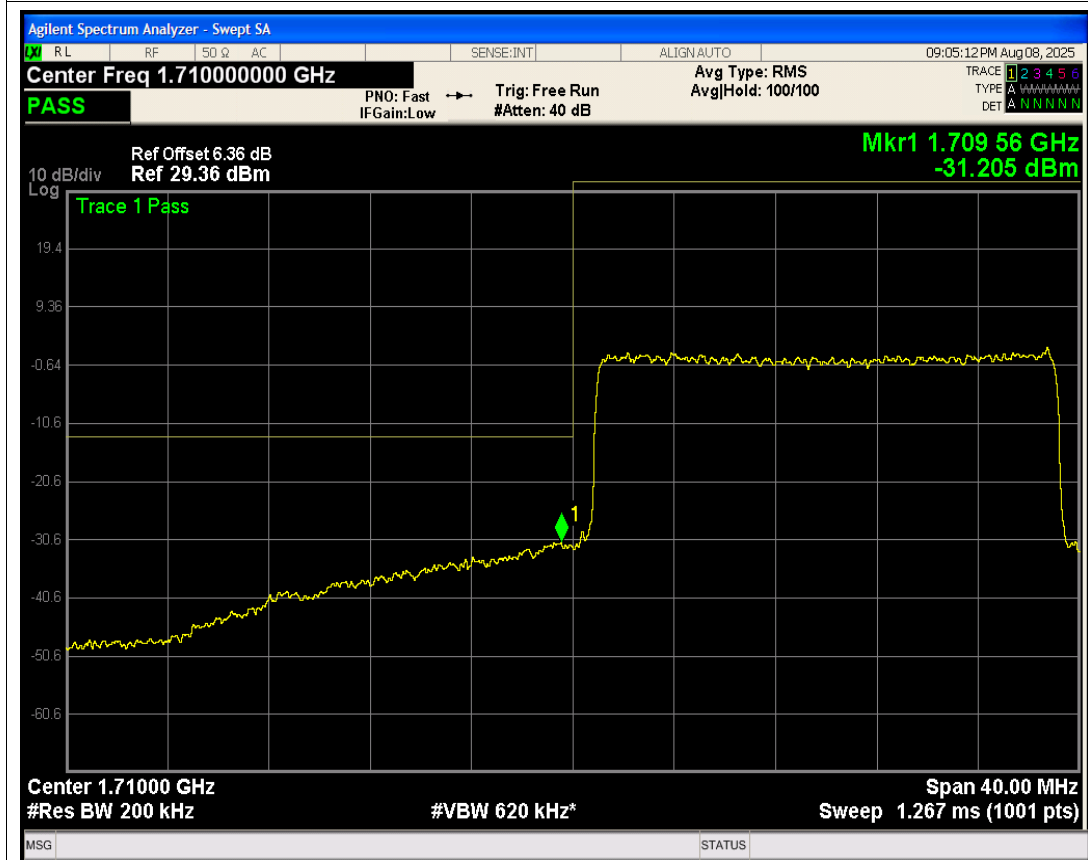
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



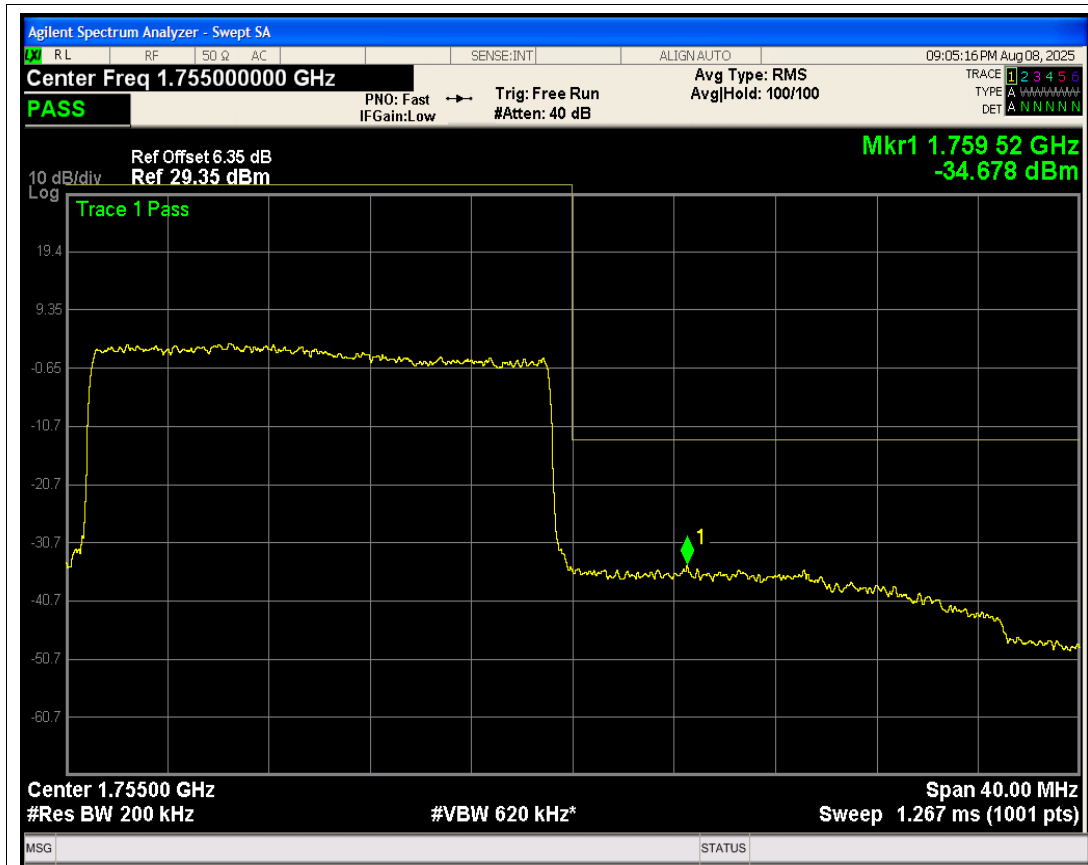
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



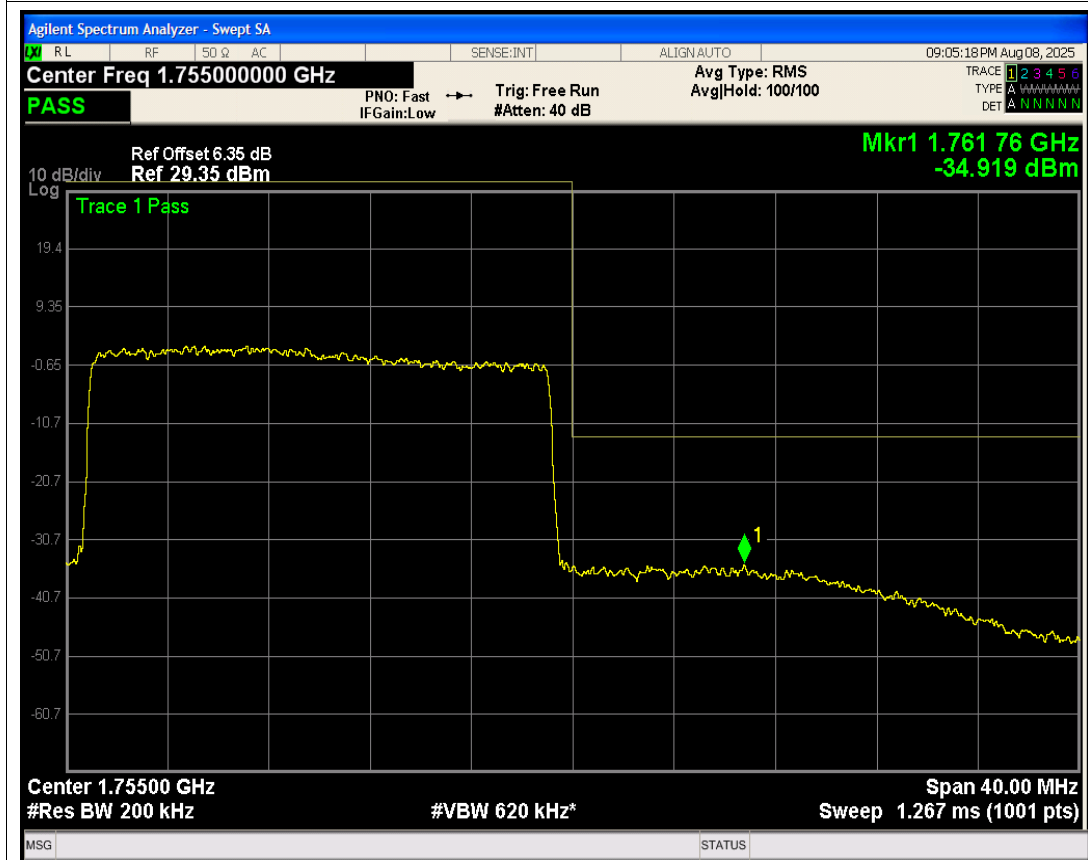
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



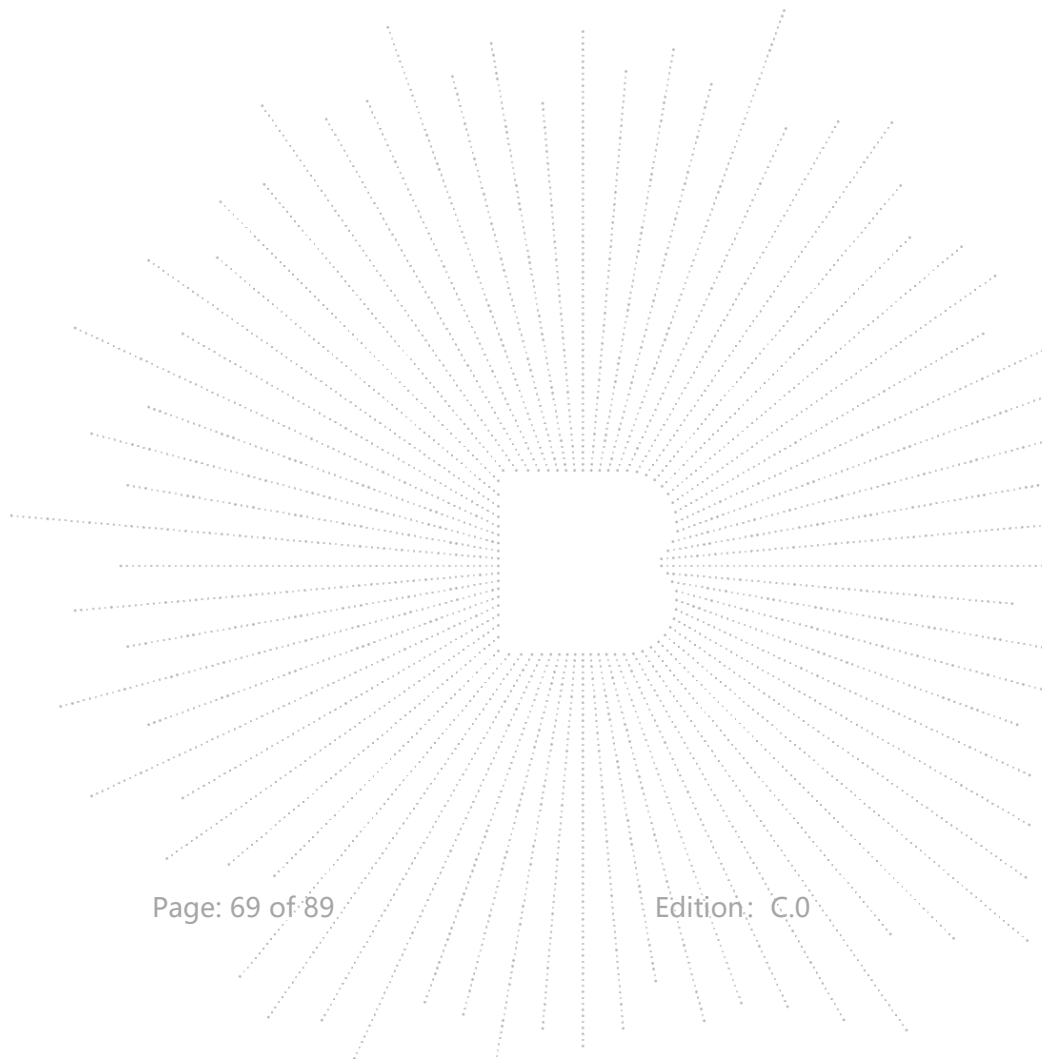
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT



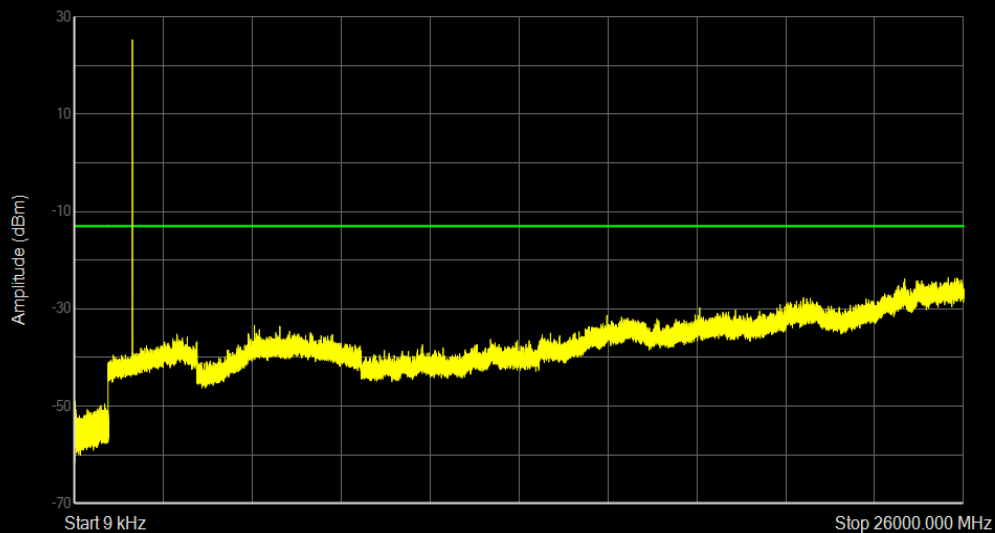
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT



Appendix 6.Out-of-band emissions

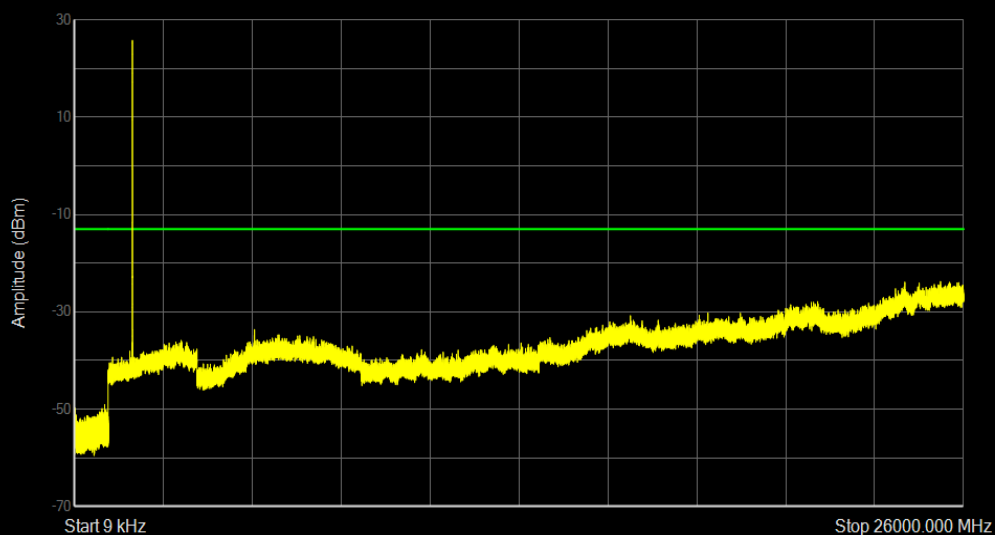
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band 4	1.4	19957	6	#0	QPSK	25550.63	-23.62	-13	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	25326.25	-23.77	-13	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	25781.88	-23.24	-13	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	25696.25	-23.49	-13	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	25136.88	-23.08	-13	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	25620.00	-23.58	-13	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	25958.13	-23.46	-13	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	25075.63	-23.15	-13	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	25861.25	-23.43	-13	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	25818.13	-23.68	-13	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	25540.00	-23.93	-13	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	25815.63	-23.69	-13	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	25086.25	-23.75	-13	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	25871.25	-23.44	-13	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	25819.38	-22.56	-13	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	25961.25	-22.63	-13	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	25765.00	-23.63	-13	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	25717.50	-23.37	-13	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	24586.25	-23.37	-13	PASS

NVNT	Band 4	10	20000	50	#0	16QAM	25770.0 0	-22.8 5	-13	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	25566.8 8	-23.4 2	-13	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	25180.6 3	-22.5 7	-13	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	25758.1 3	-23.3 7	-13	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	25762.5 0	-22.3 5	-13	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	24761.2 5	-23.2 9	-13	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	25732.5 0	-23.4 1	-13	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	25848.7 5	-23.5 2	-13	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	25829.3 8	-23.5 3	-13	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	25448.7 5	-22.3 8	-13	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	25433.7 5	-23.1 0	-13	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	25957.5 0	-23.7 2	-13	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	24851.8 8	-23.2 6	-13	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	25507.5 0	-23.0 7	-13	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	25382.5 0	-23.5 7	-13	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	25815.6 3	-22.6 3	-13	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	25846.8 8	-23.1 3	-13	PASS



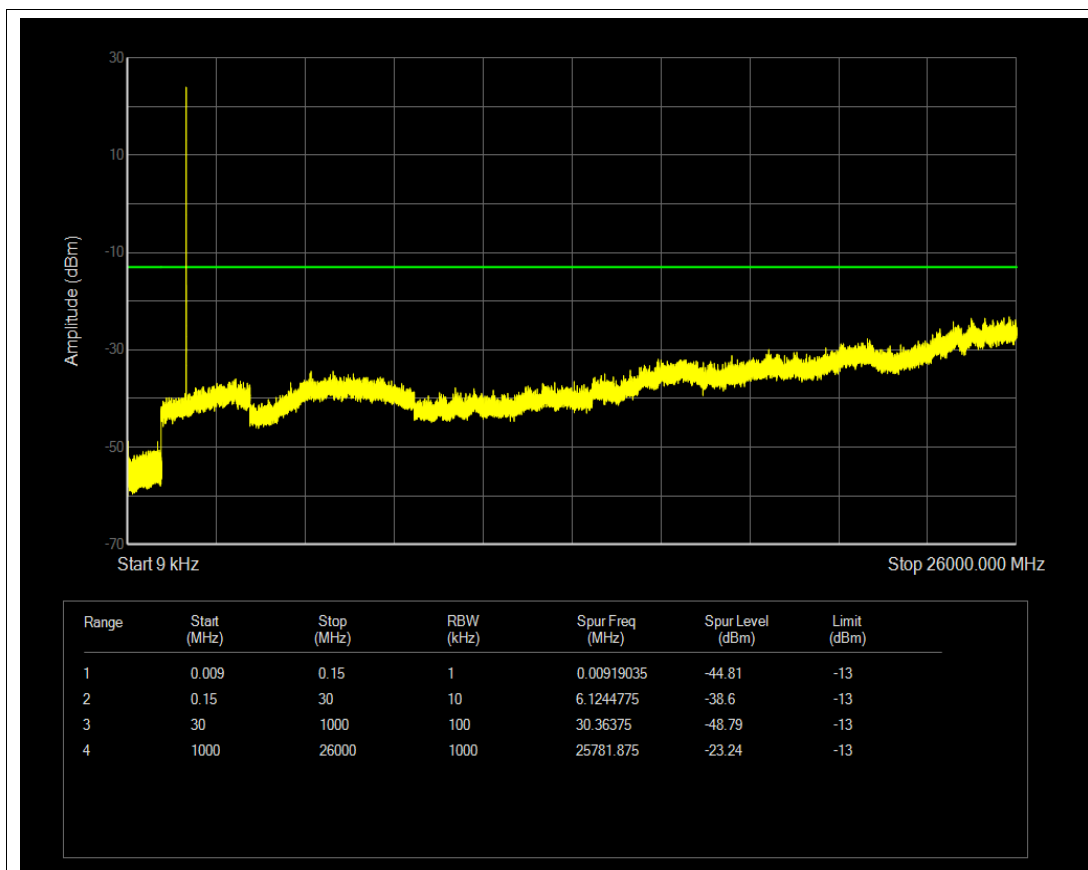
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-45.37	-13
2	0.15	30	10	6.11626875	-37.75	-13
3	30	1000	100	30.41225	-49.01	-13
4	1000	26000	1000	25550.625	-23.62	-13

Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

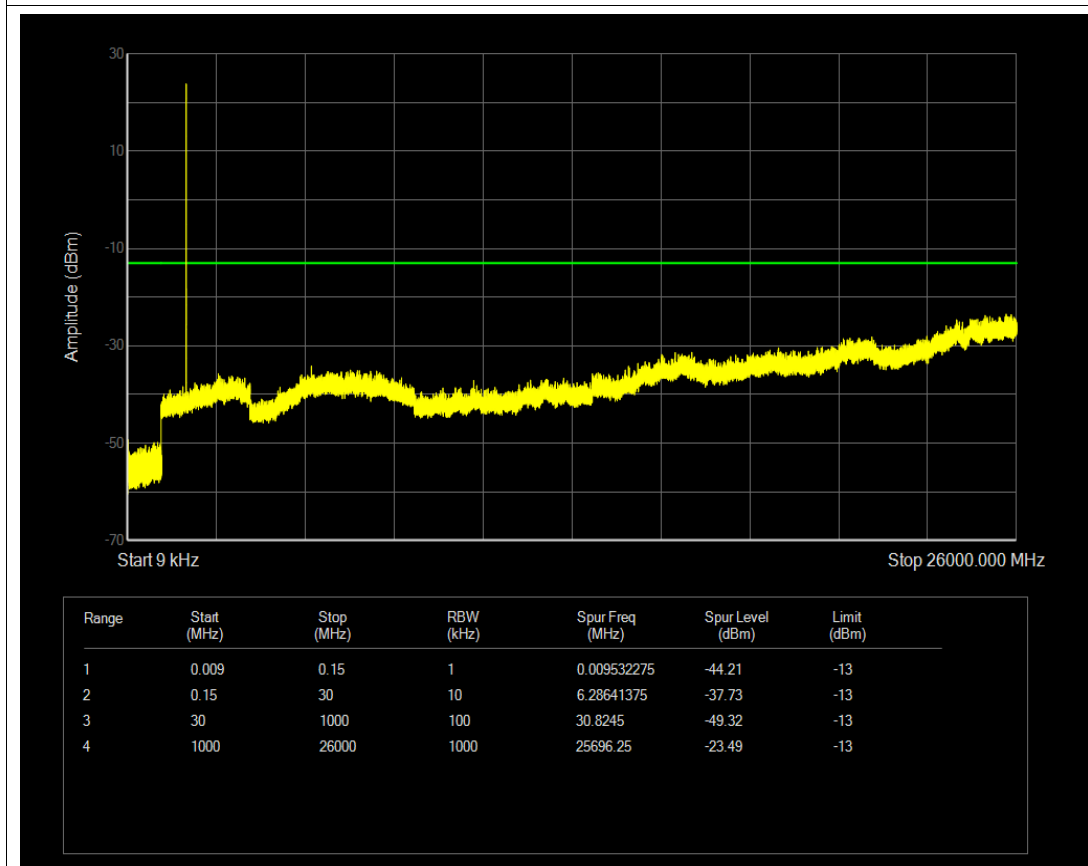


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00934545	-44.49	-13
2	0.15	30	10	6.10209	-37.44	-13
3	30	1000	100	899.993	-49.08	-13
4	1000	26000	1000	25326.25	-23.77	-13

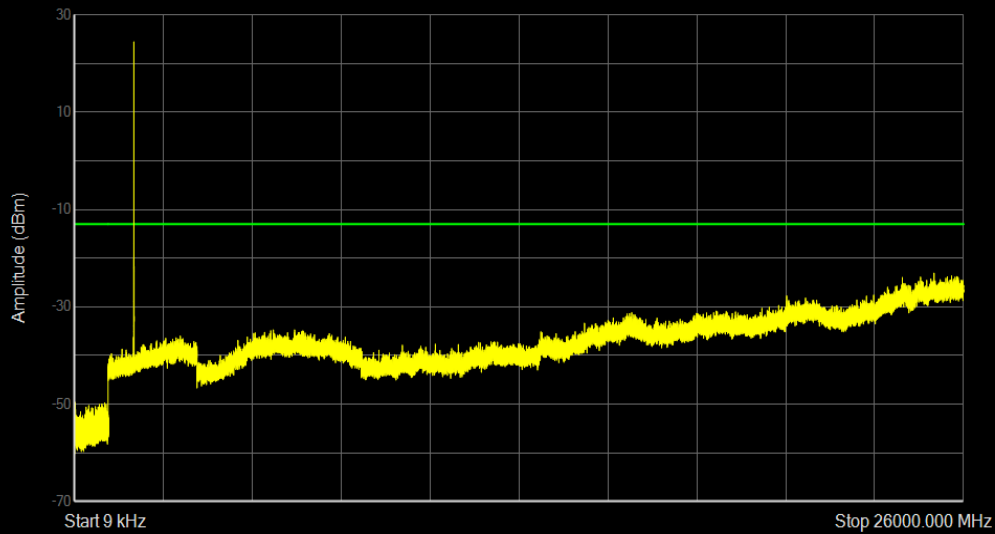
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT

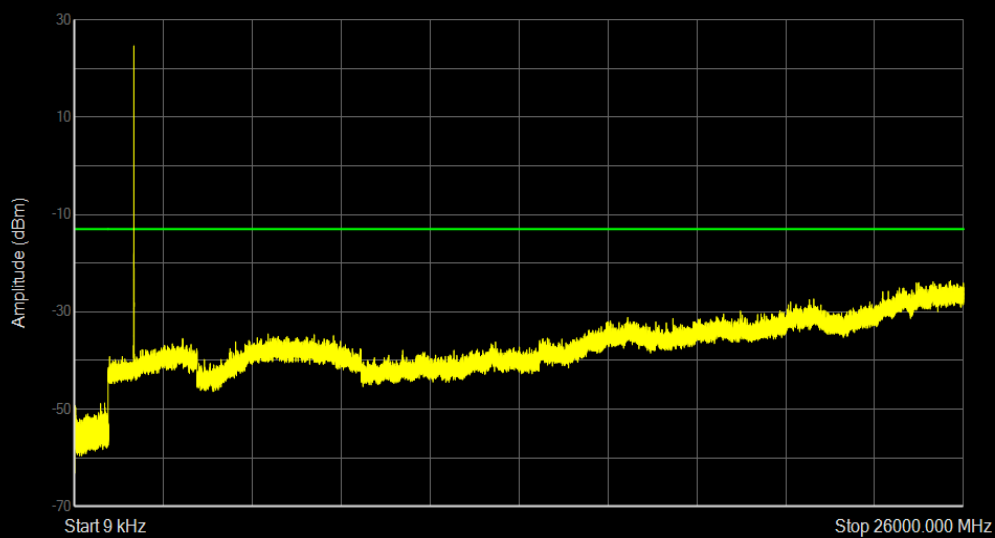


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT



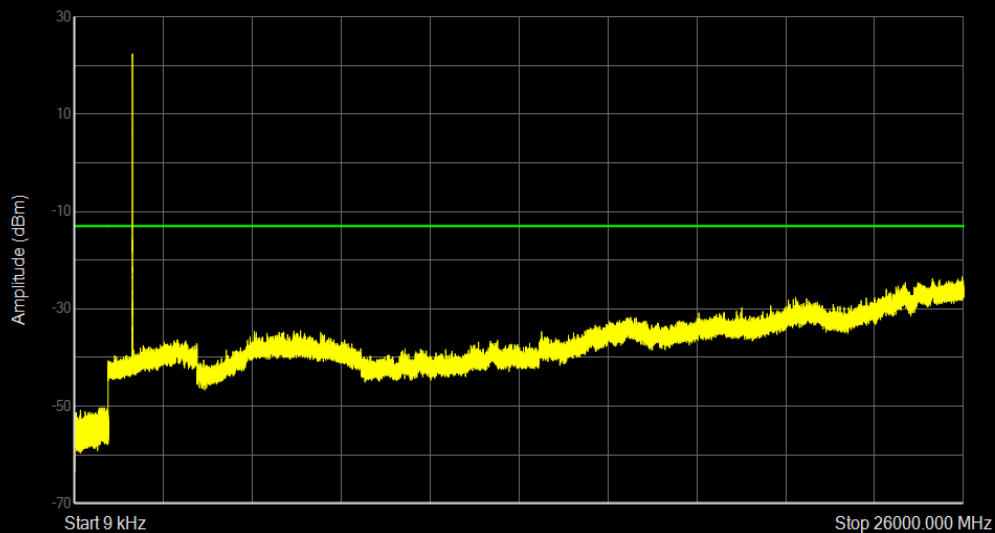
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0096063	-45.68	-13
2	0.15	30	10	6.14611875	-37.7	-13
3	30	1000	100	30.873	-49.63	-13
4	1000	26000	1000	25136.875	-23.08	-13

Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



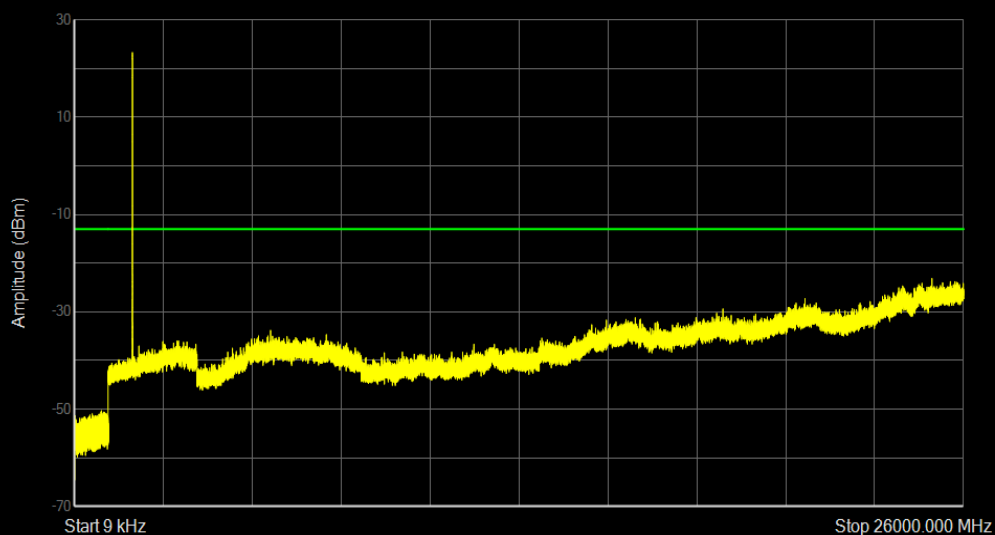
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00992355	-44.96	-13
2	0.15	30	10	6.0737325	-38.23	-13
3	30	1000	100	900.01725	-48.73	-13
4	1000	26000	1000	25620	-23.58	-13

Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



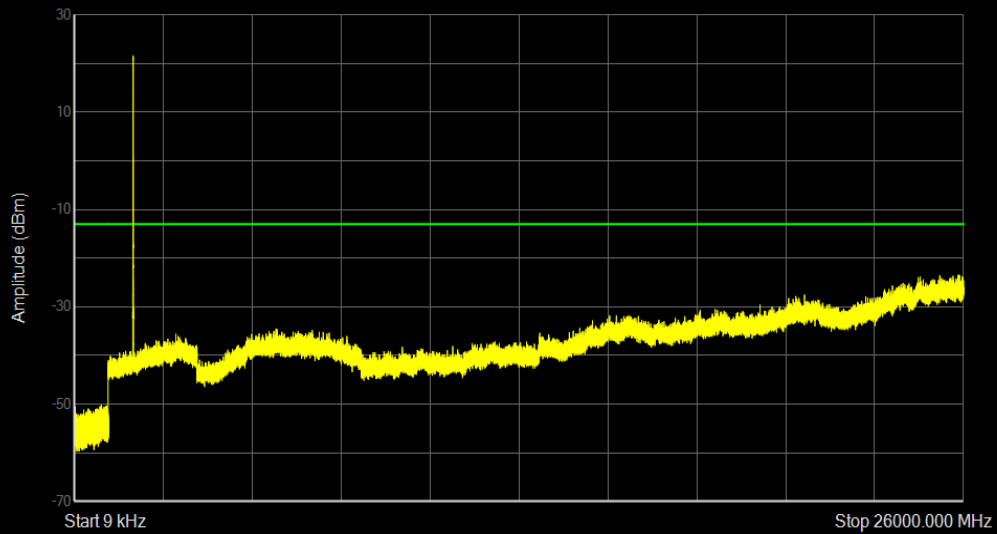
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11623755	-46.33	-13
2	0.15	30	10	6.1095525	-38.57	-13
3	30	1000	100	792.63825	-50.34	-13
4	1000	26000	1000	25958.125	-23.46	-13

Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



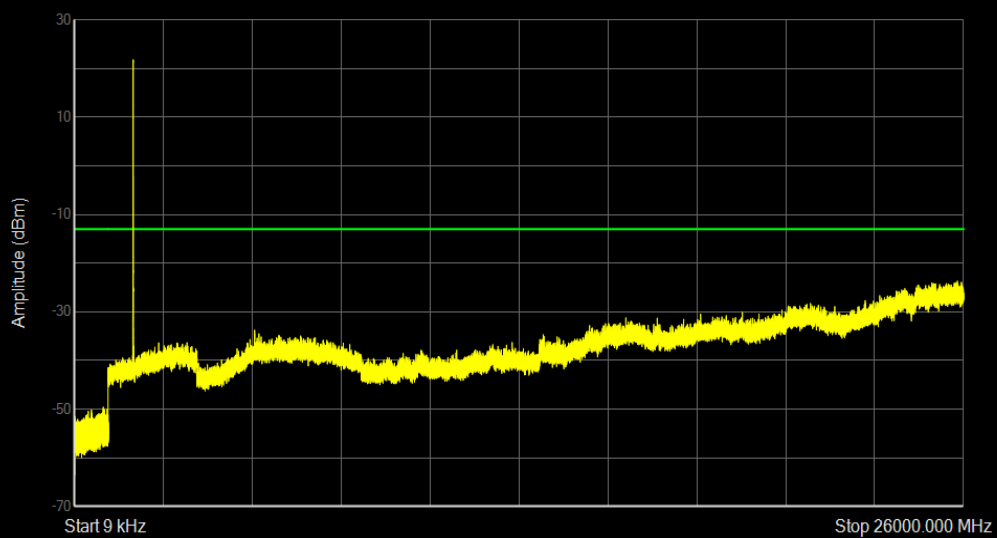
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0092679	-45.45	-13
2	0.15	30	10	6.13119375	-42.19	-13
3	30	1000	100	804.32675	-50.33	-13
4	1000	26000	1000	25075.625	-23.15	-13

Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



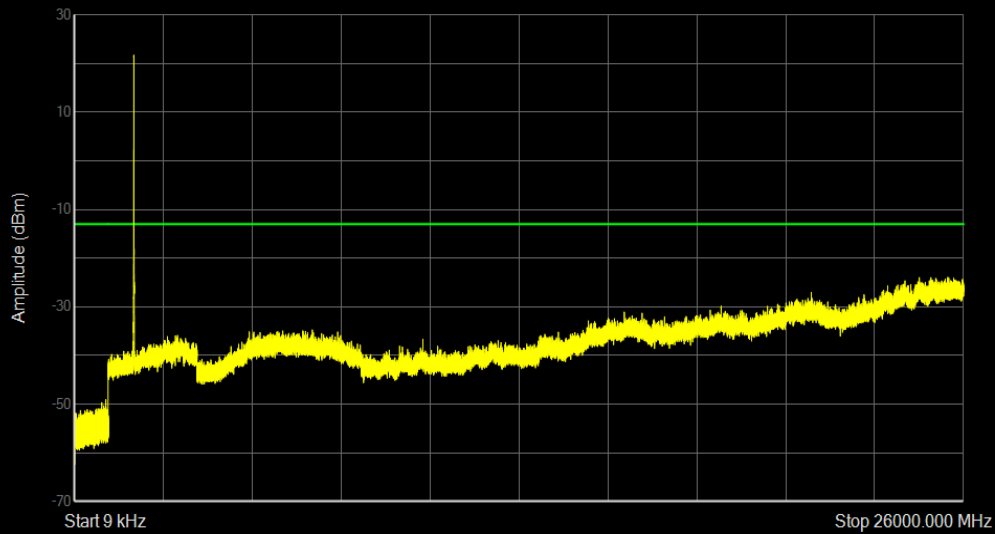
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009729675	-46.22	-13
2	0.15	30	10	6.08194125	-42.15	-13
3	30	1000	100	805.87875	-50.26	-13
4	1000	26000	1000	25861.25	-23.43	-13

Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



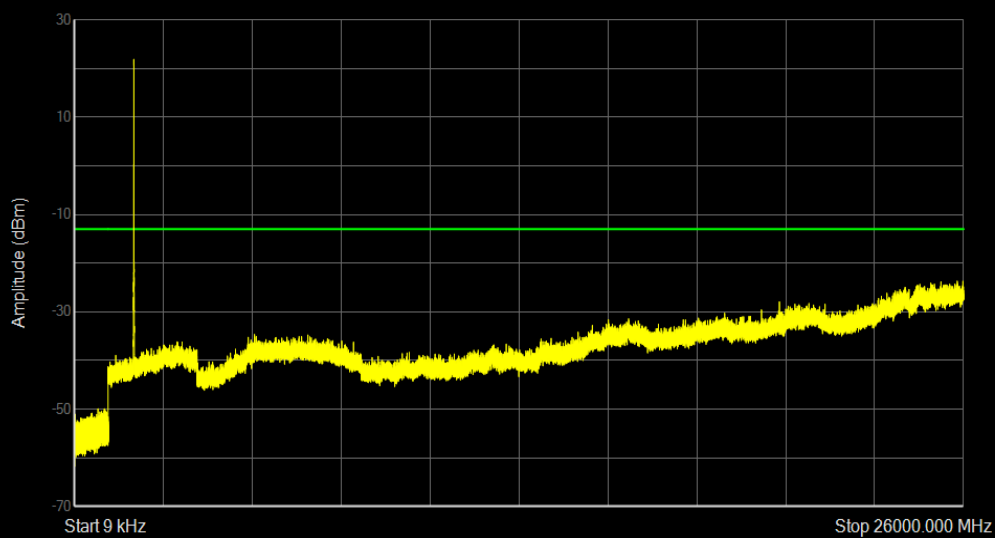
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009920025	-43.51	-13
2	0.15	30	10	6.11776125	-41.79	-13
3	30	1000	100	860.8535	-49.6	-13
4	1000	26000	1000	25818.125	-23.68	-13

Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



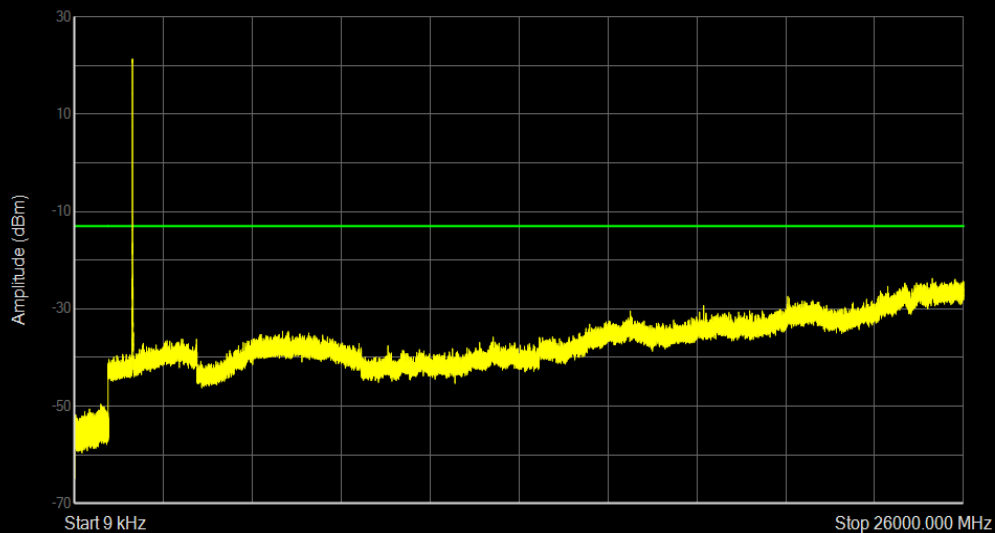
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0098601	-45.93	-13
2	0.15	30	10	6.47297625	-41.27	-13
3	30	1000	100	934.3795	-49.07	-13
4	1000	26000	1000	25540	-23.93	-13

Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



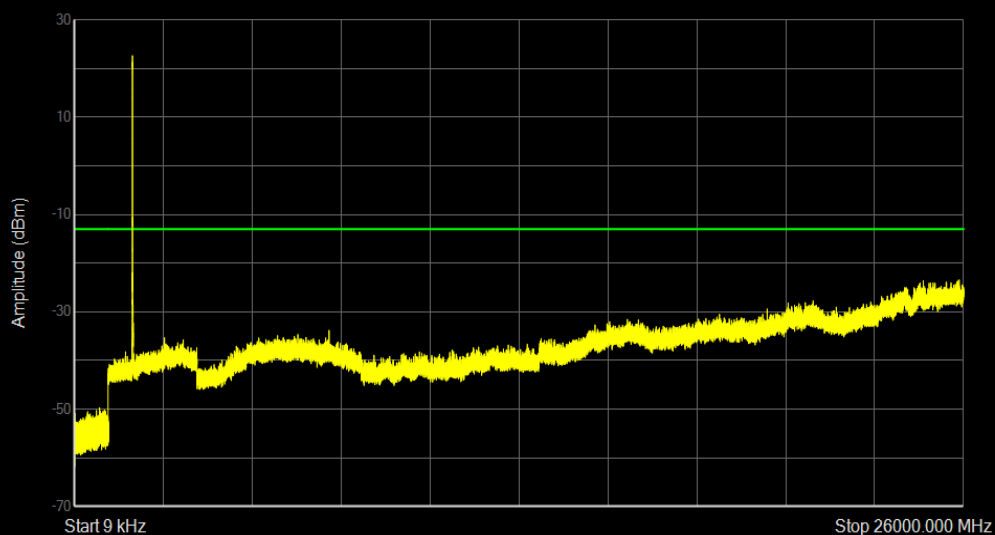
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.115726425	-46.33	-13
2	0.15	30	10	6.12373125	-42.43	-13
3	30	1000	100	892.039	-49.92	-13
4	1000	26000	1000	25815.625	-23.69	-13

Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



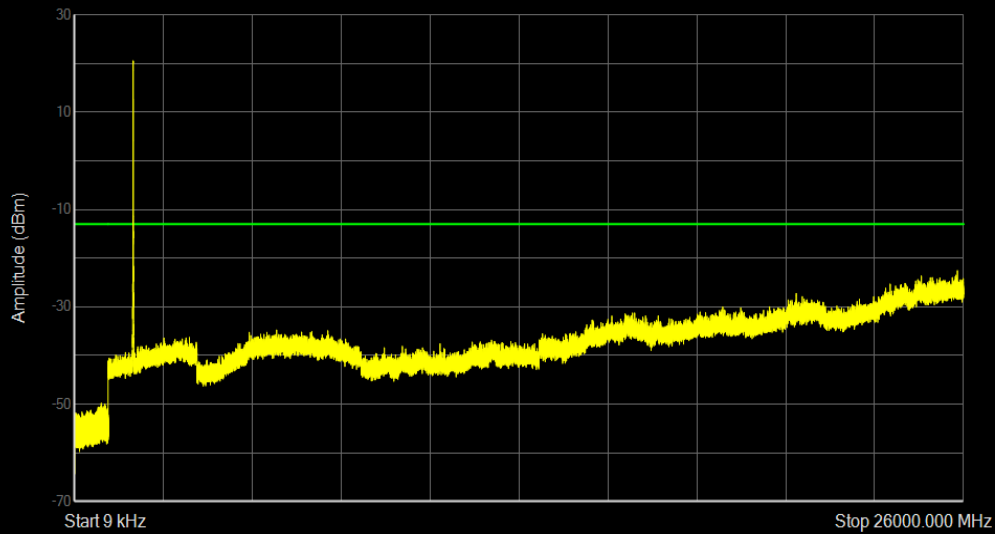
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00909165	-45.11	-13
2	0.15	30	10	6.1214925	-41.7	-13
3	30	1000	100	789.0735	-49.6	-13
4	1000	26000	1000	25086.25	-23.75	-13

Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



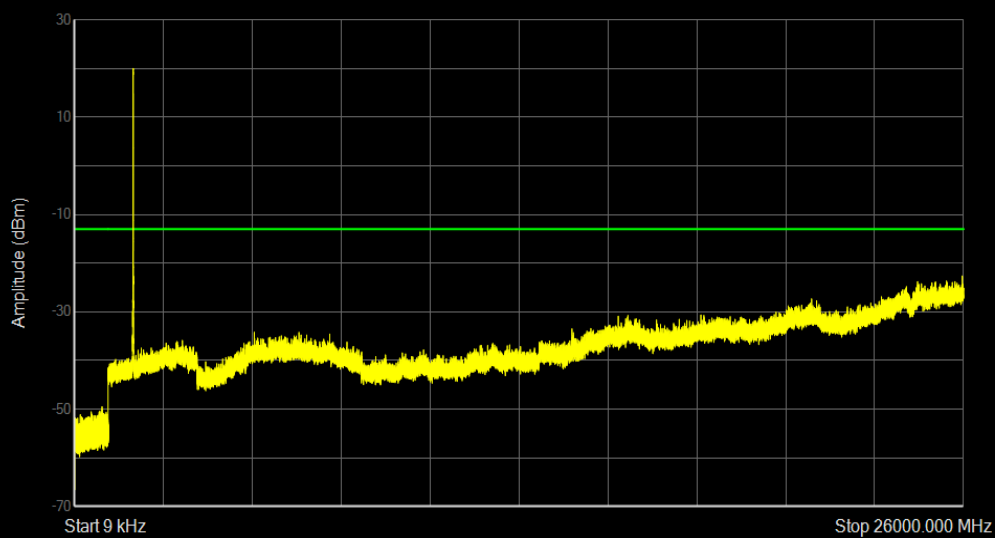
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.116741625	-45.57	-13
2	0.15	30	10	6.1364175	-41.53	-13
3	30	1000	100	749.66725	-49.73	-13
4	1000	26000	1000	25871.25	-23.44	-13

Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



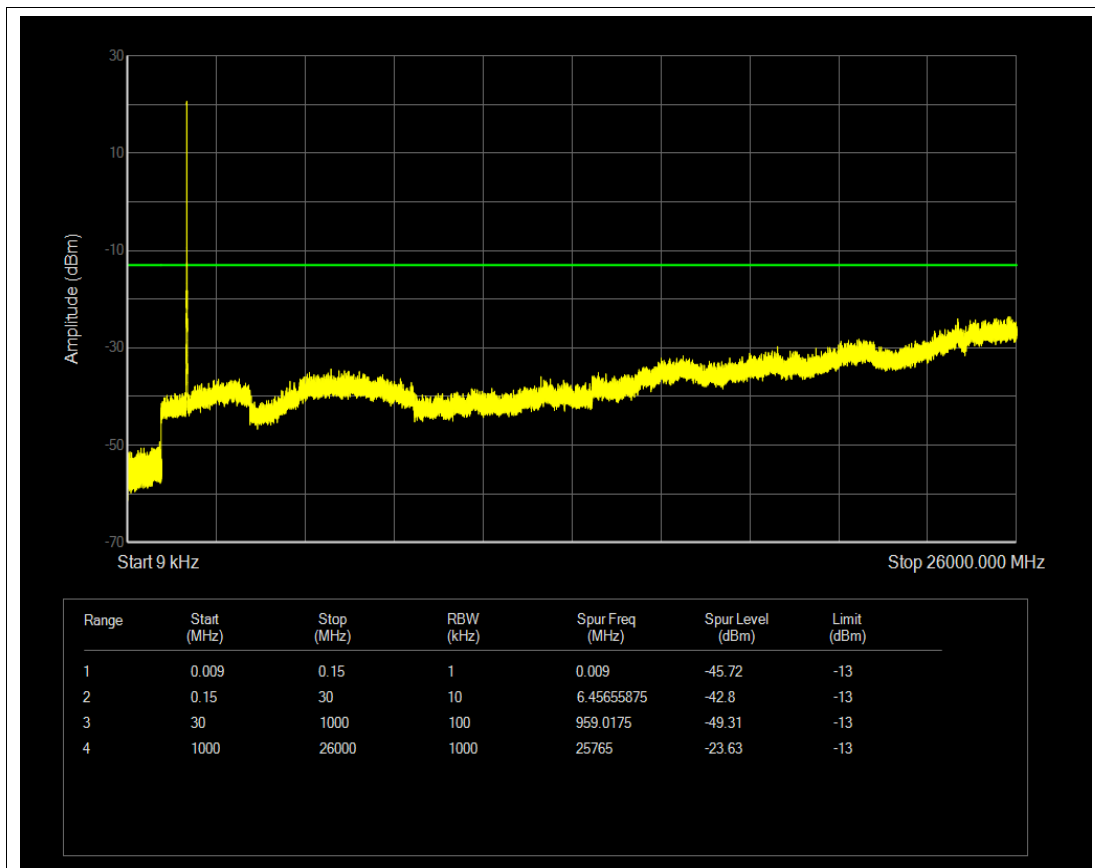
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010551	-44.9	-13
2	0.15	30	10	6.63715125	-43.76	-13
3	30	1000	100	801.07725	-49.86	-13
4	1000	26000	1000	25819.375	-22.56	-13

Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT

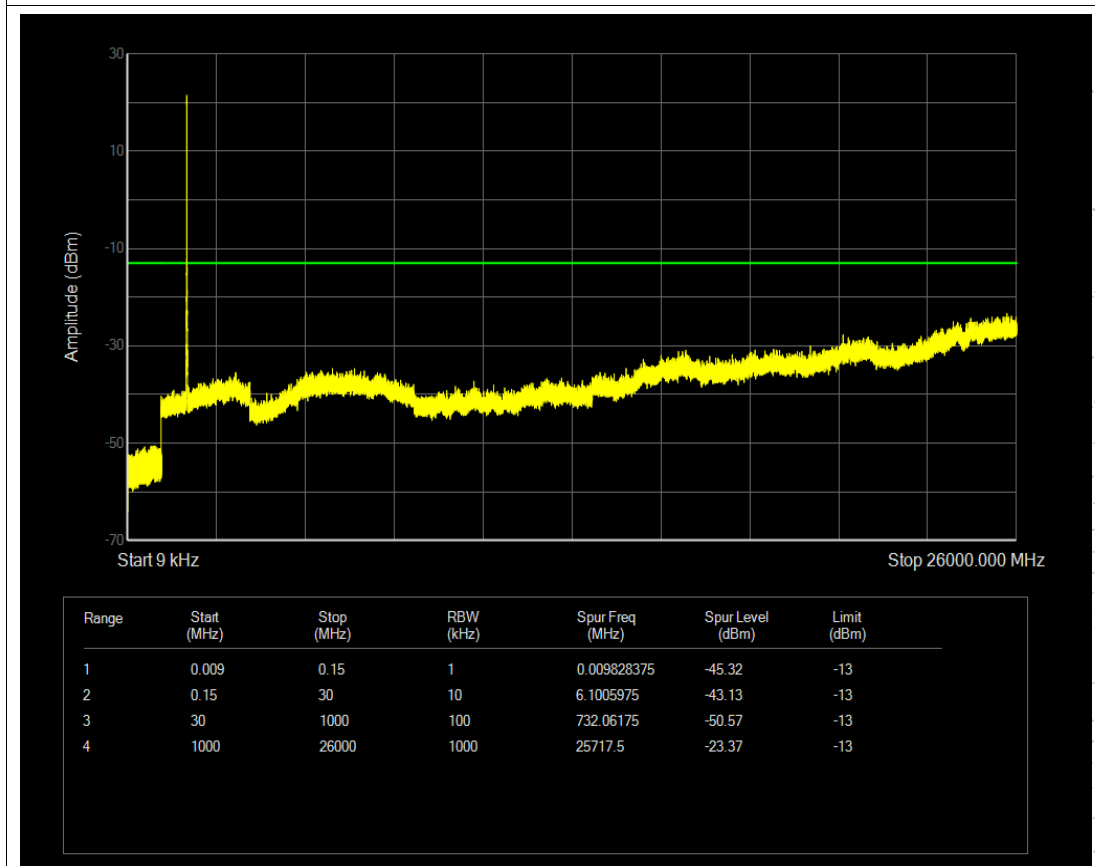


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0093384	-45.22	-13
2	0.15	30	10	6.11776125	-43.58	-13
3	30	1000	100	824.74525	-49.5	-13
4	1000	26000	1000	25961.25	-22.63	-13

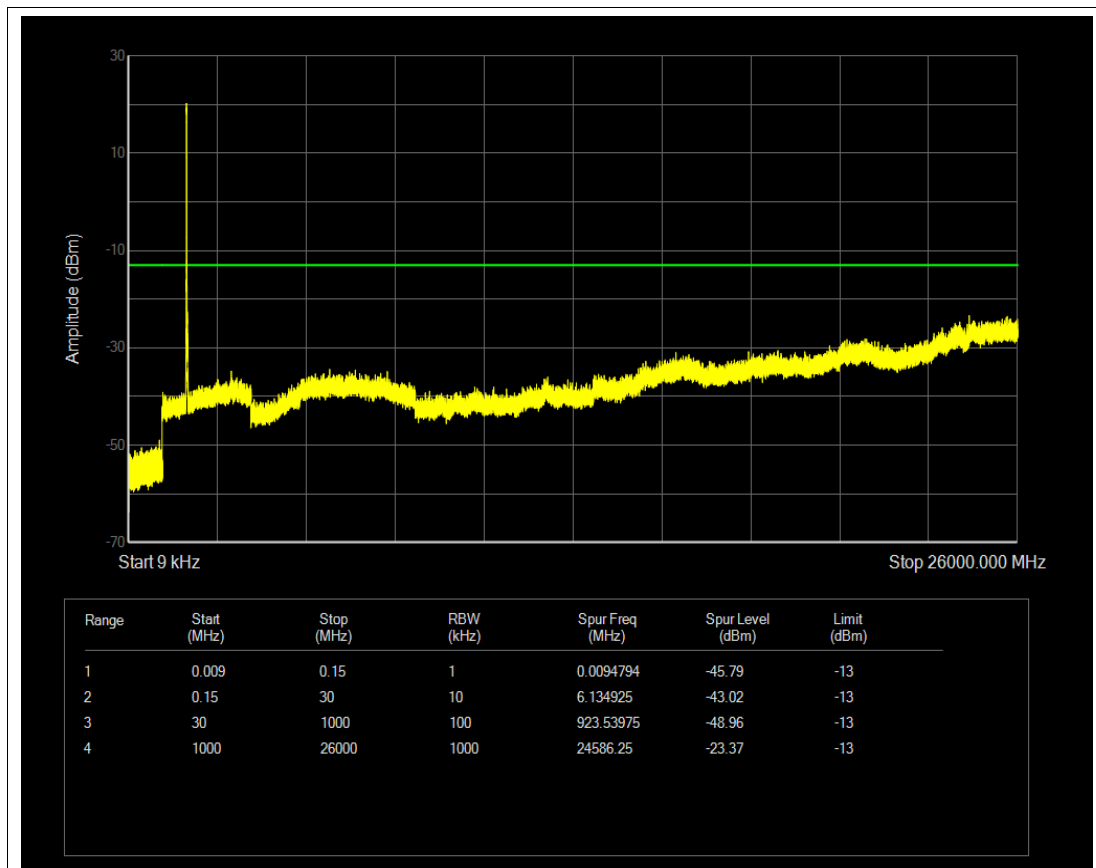
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT



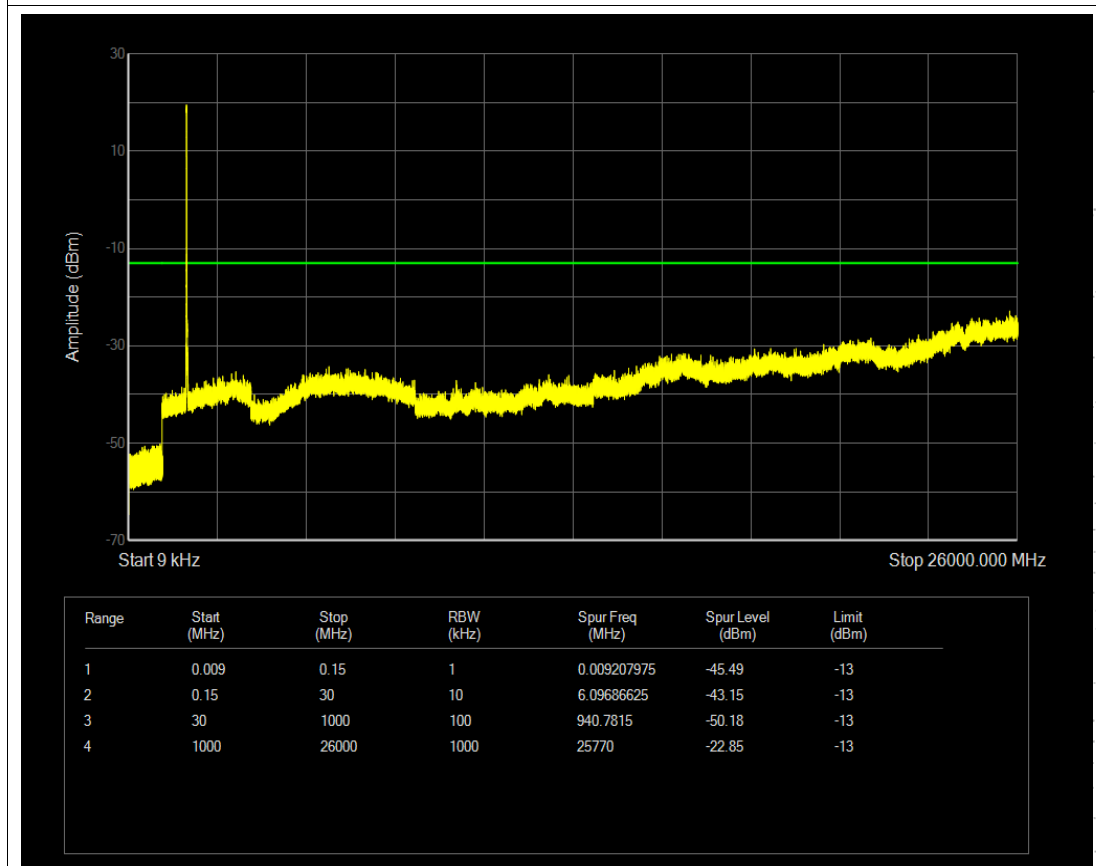
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



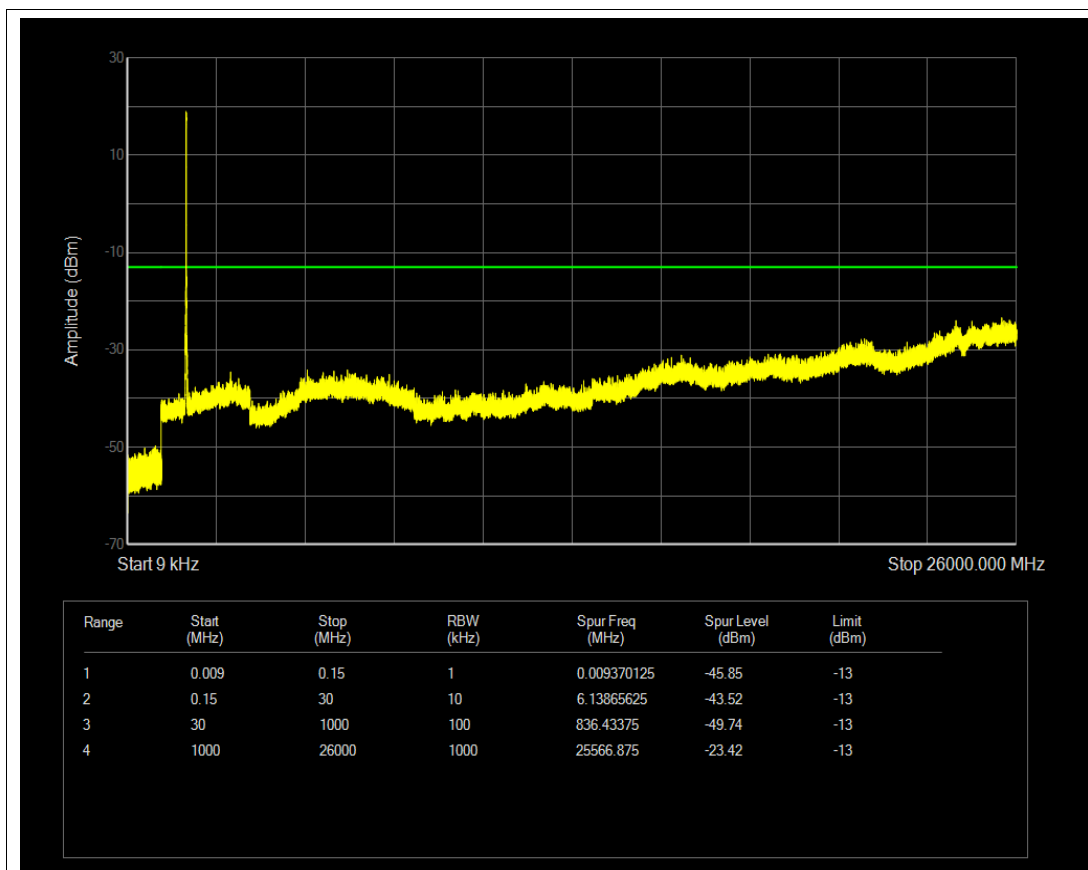
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



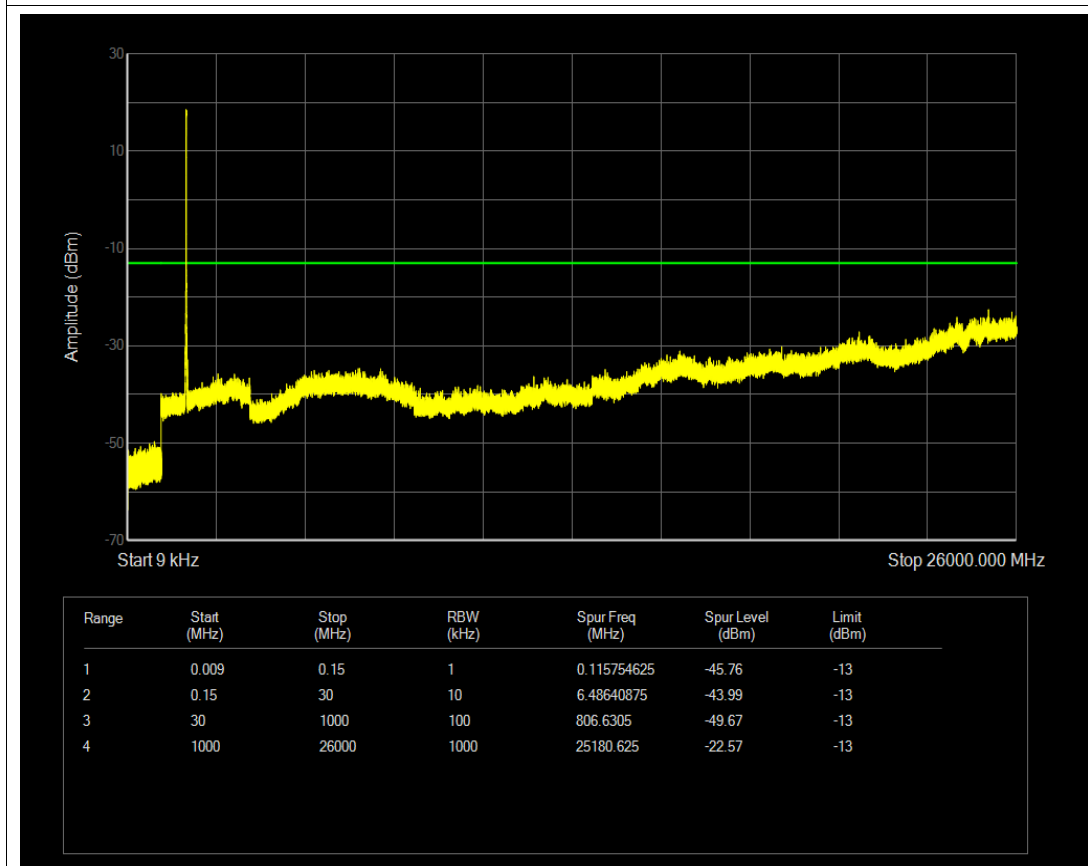
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



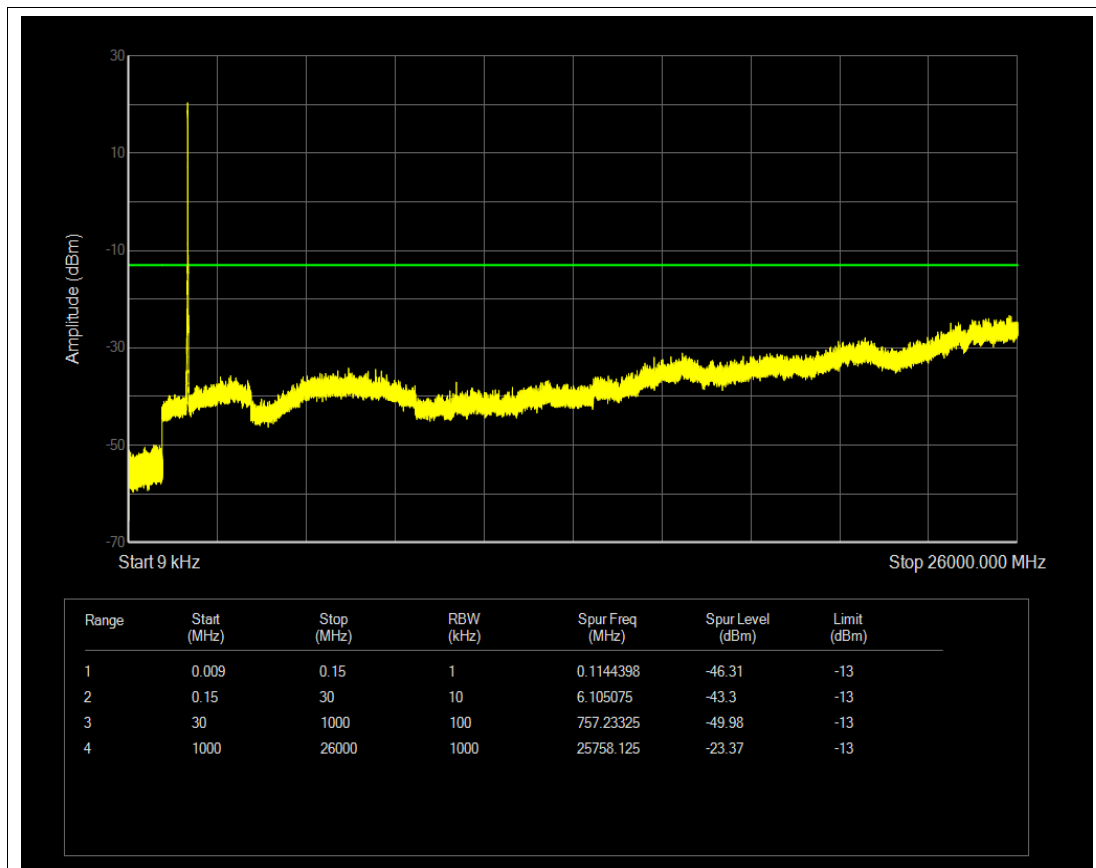
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



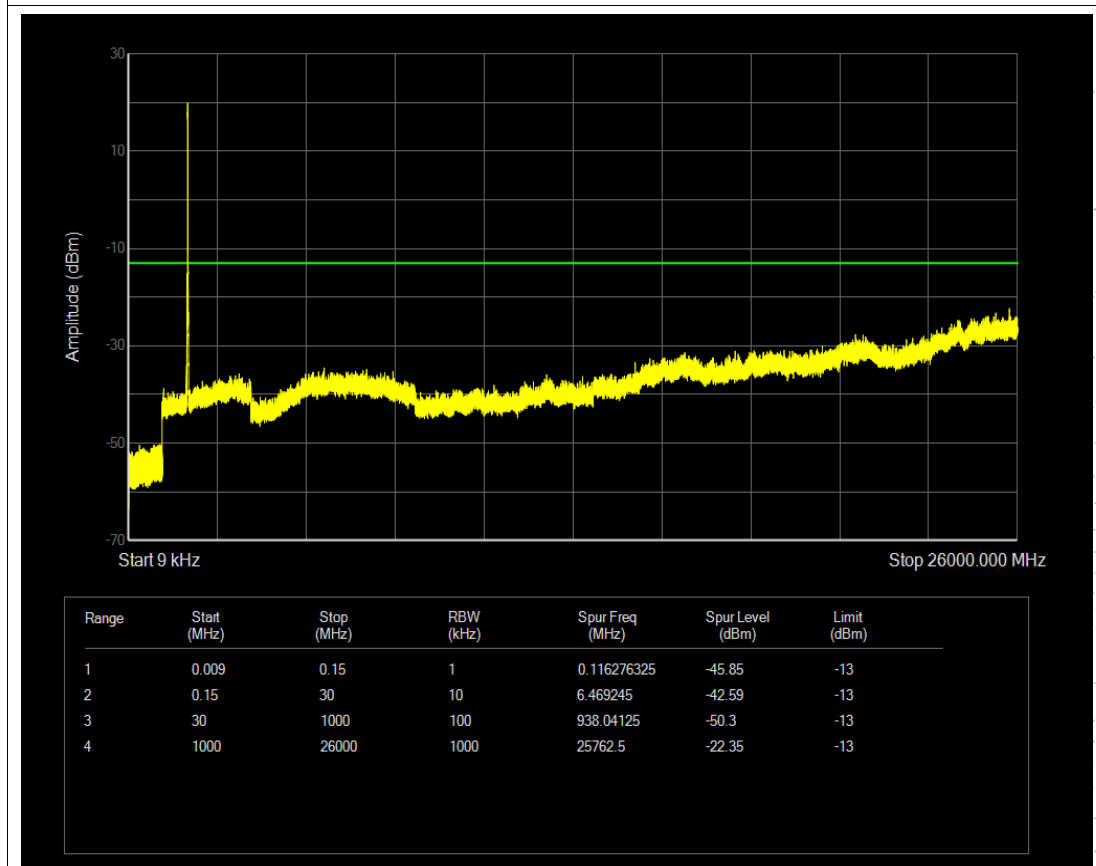
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



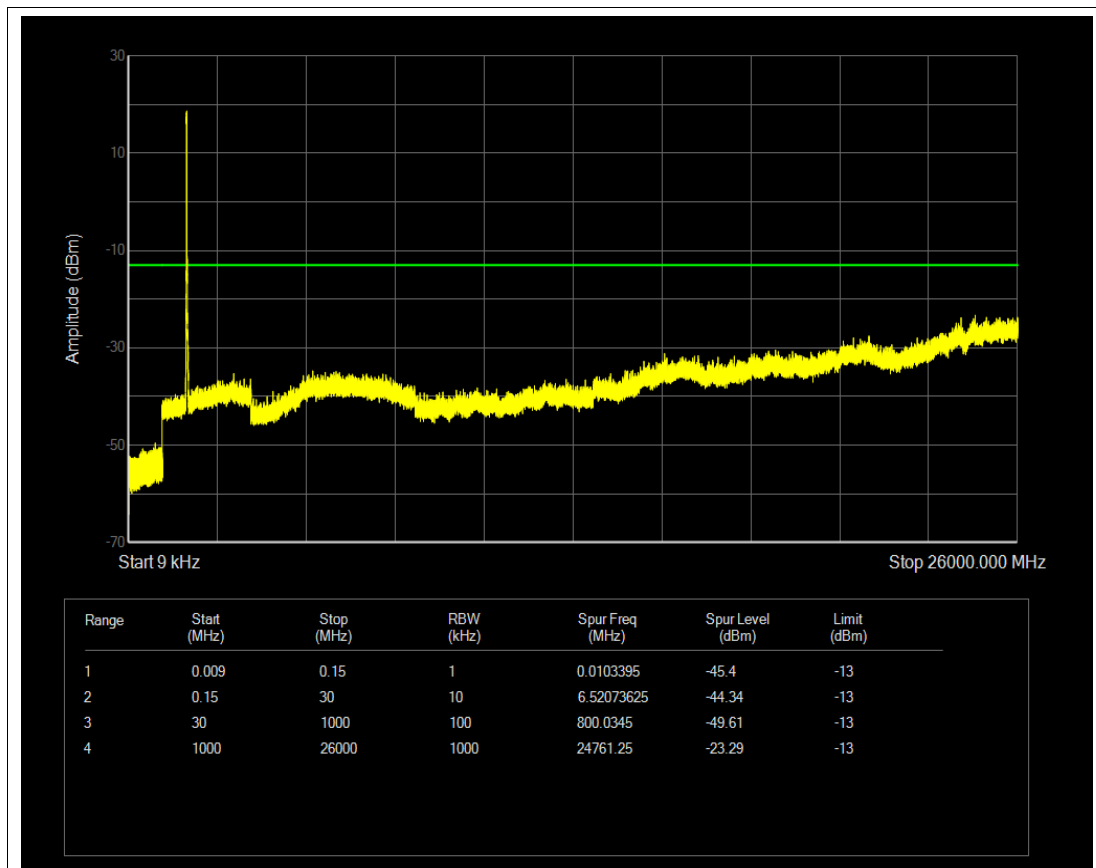
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



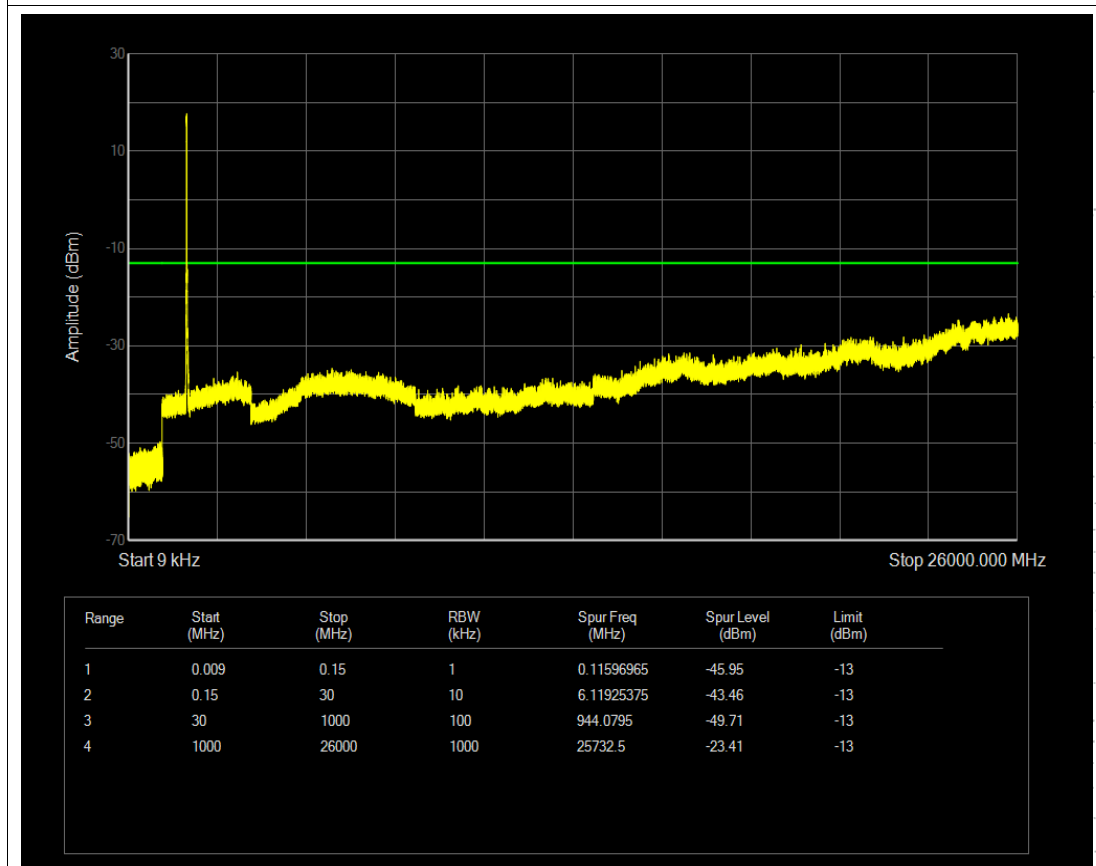
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



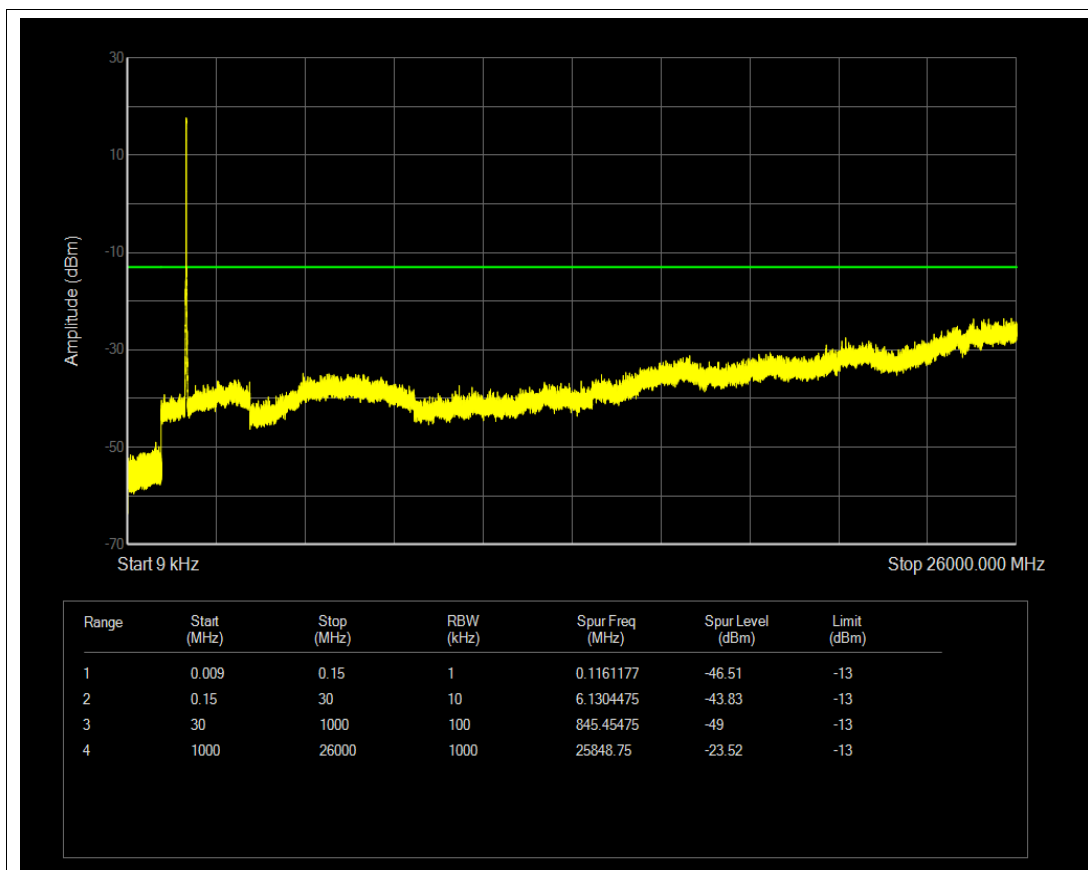
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



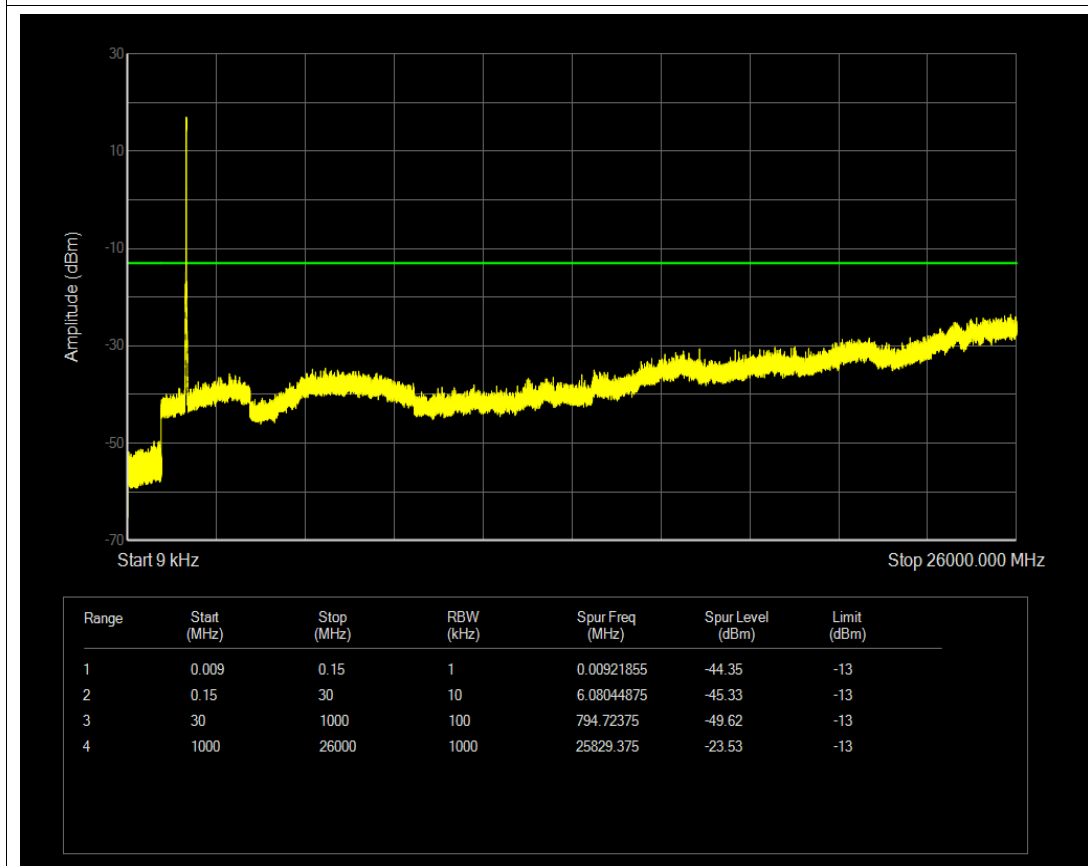
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



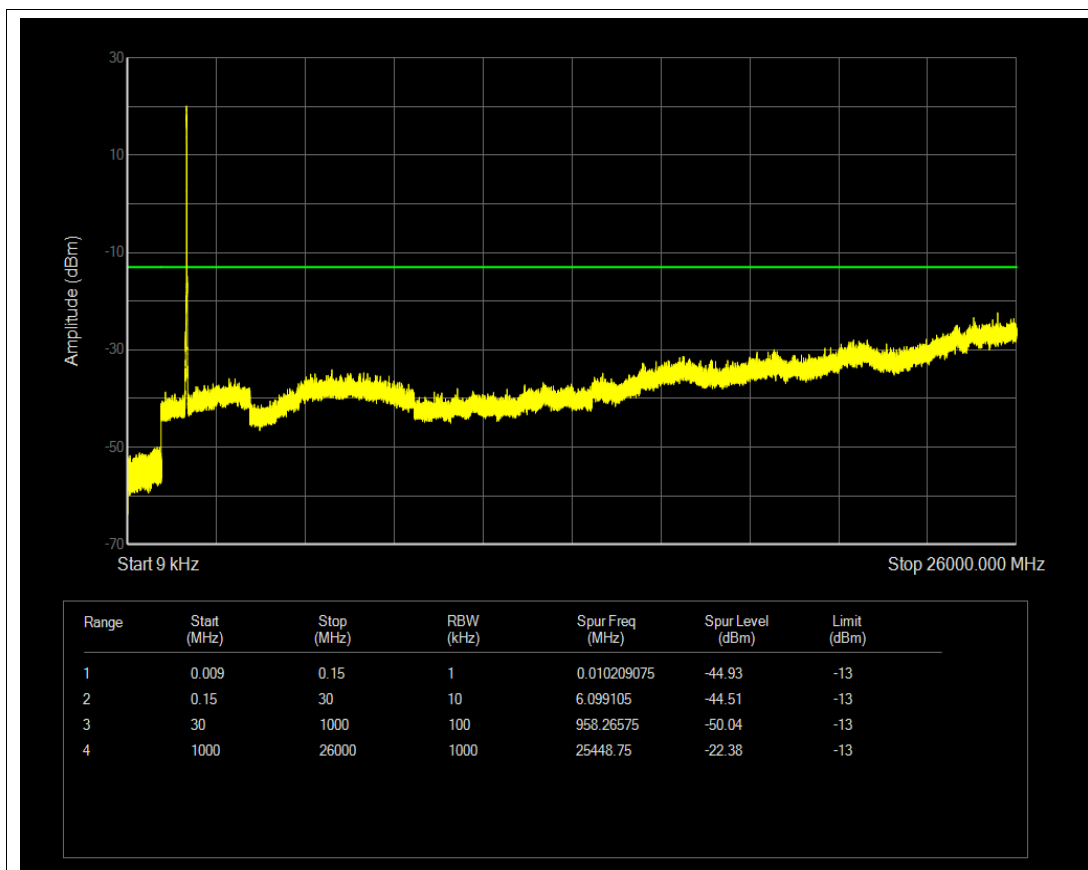
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



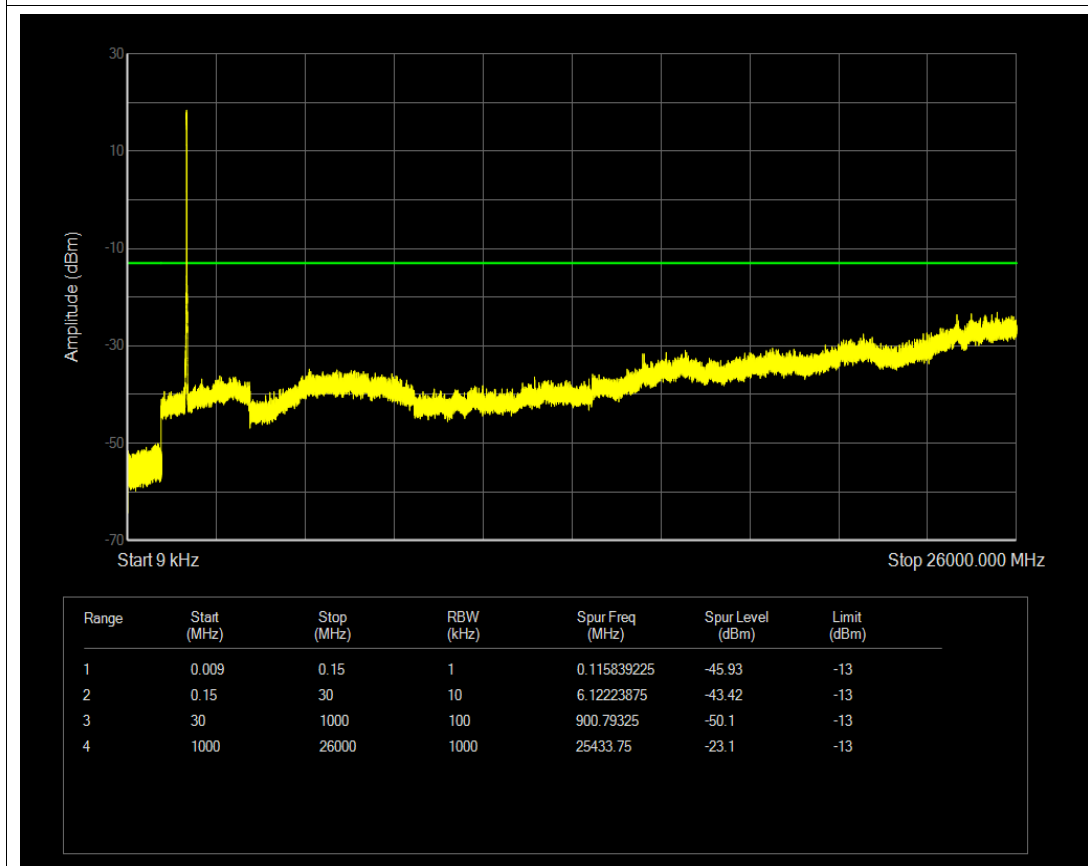
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



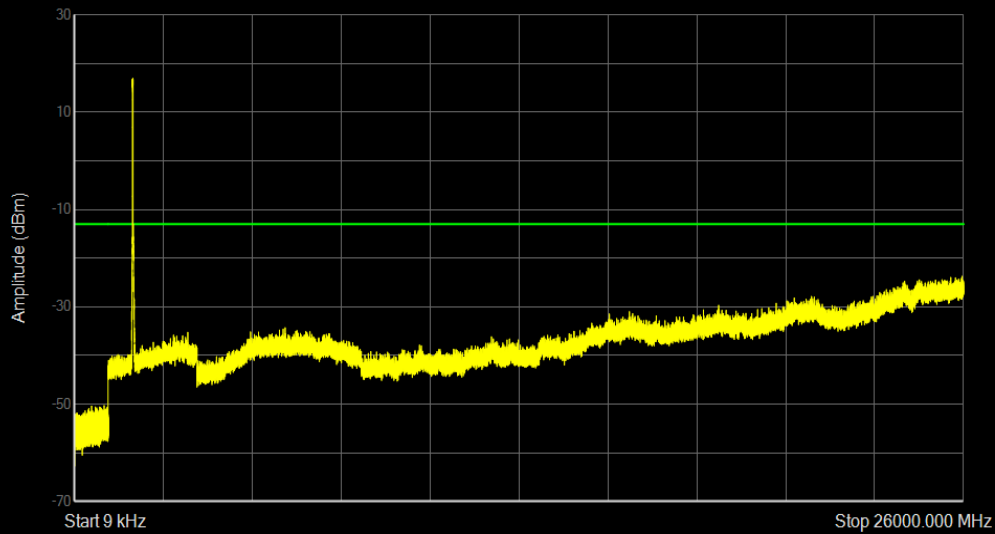
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT

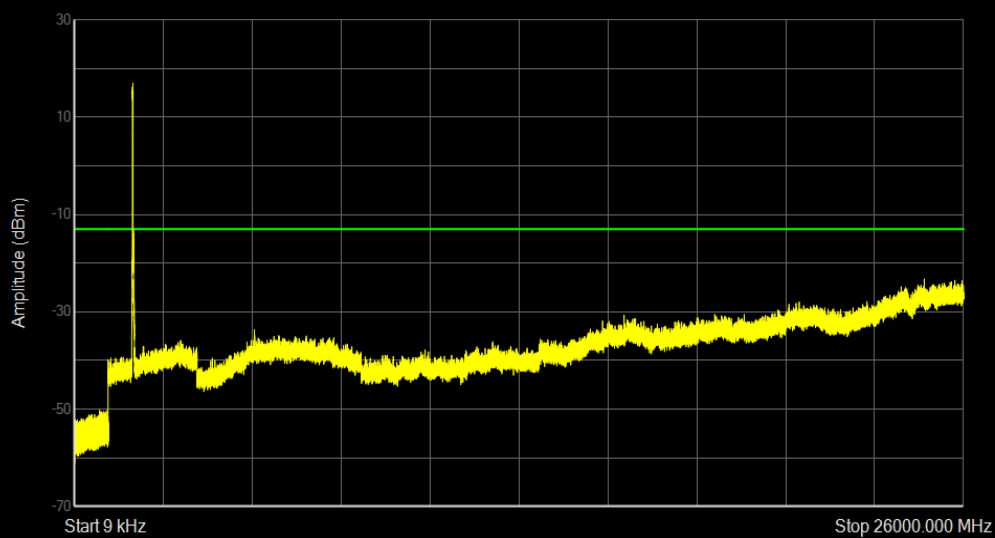


Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



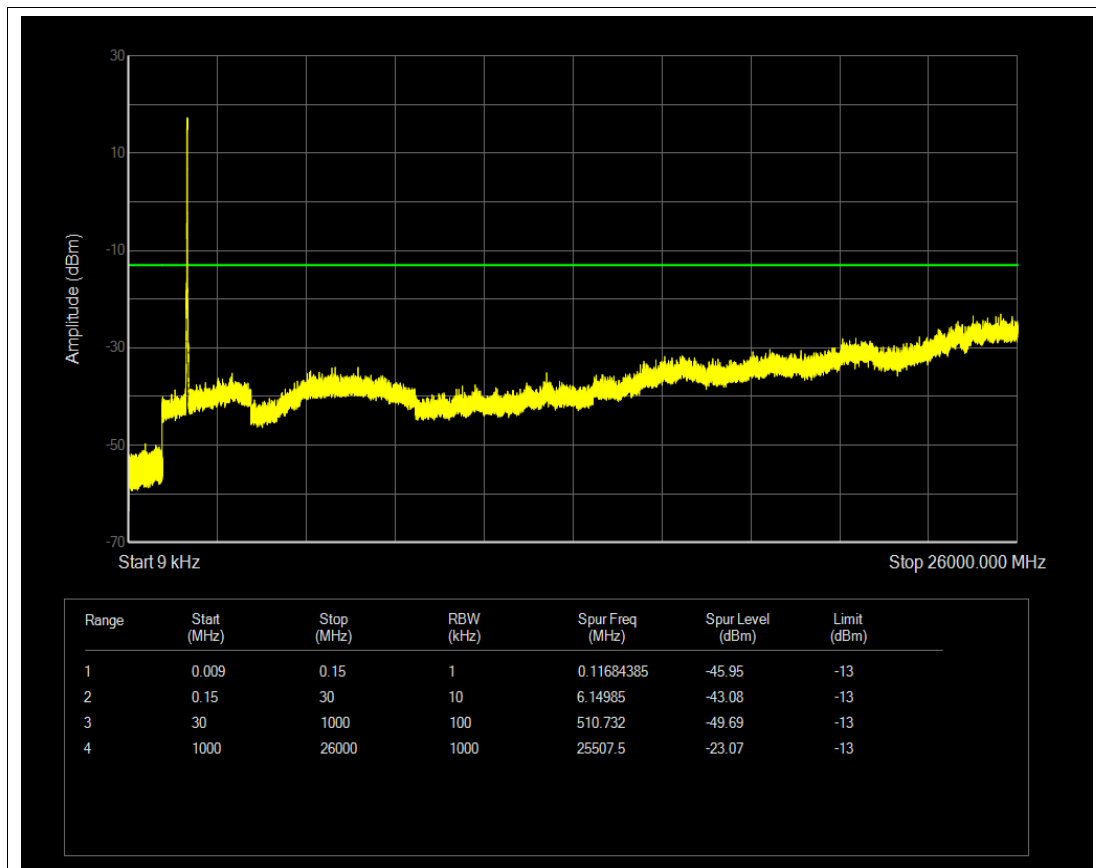
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1174995	-46.17	-13
2	0.15	30	10	6.0886575	-43.52	-13
3	30	1000	100	885.32175	-50.33	-13
4	1000	26000	1000	25957.5	-23.72	-13

Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

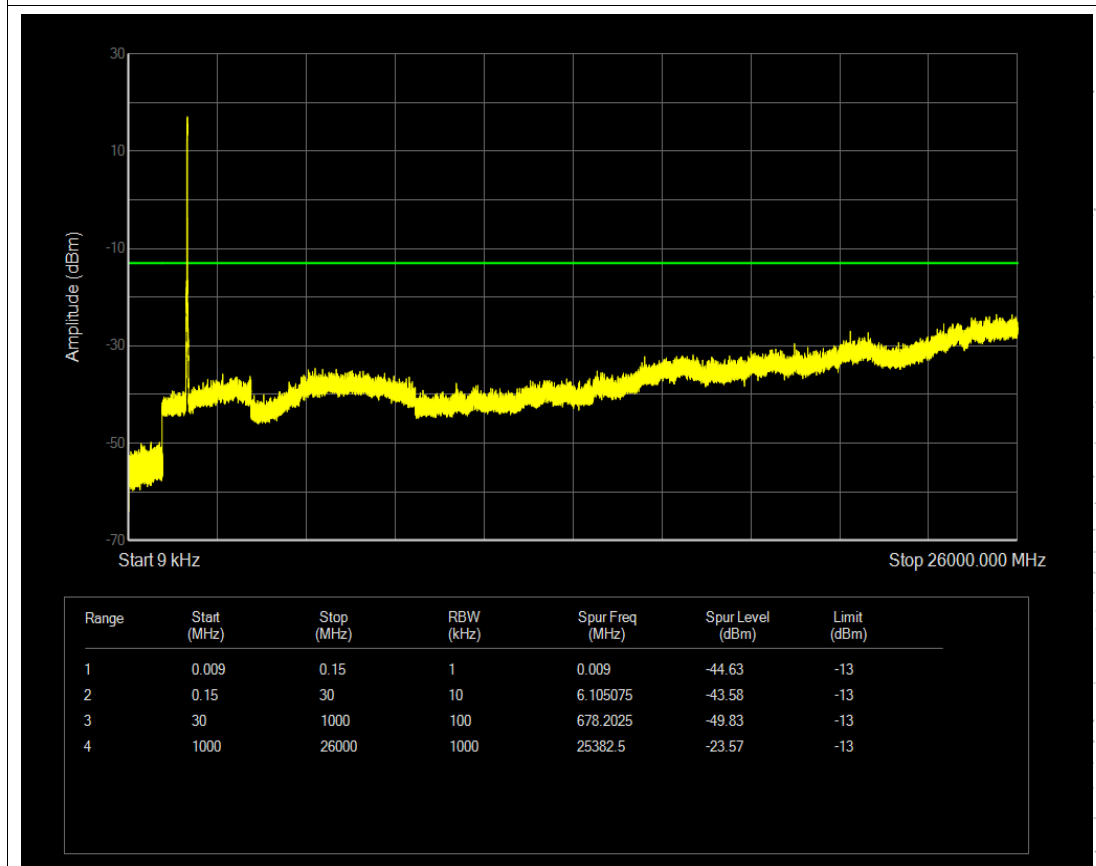


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0094935	-45.56	-13
2	0.15	30	10	6.48417	-43.24	-13
3	30	1000	100	753.69275	-50.25	-13
4	1000	26000	1000	24851.875	-23.26	-13

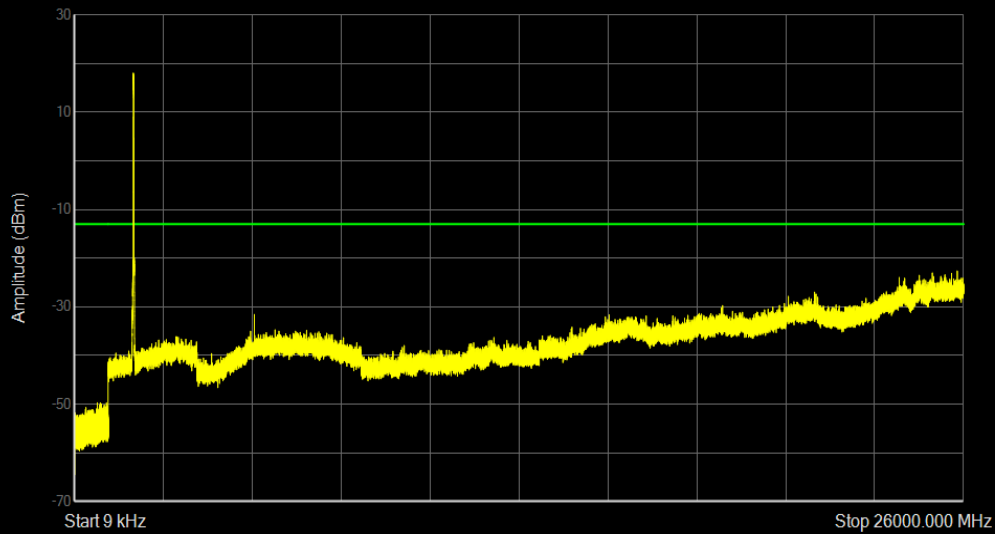
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT

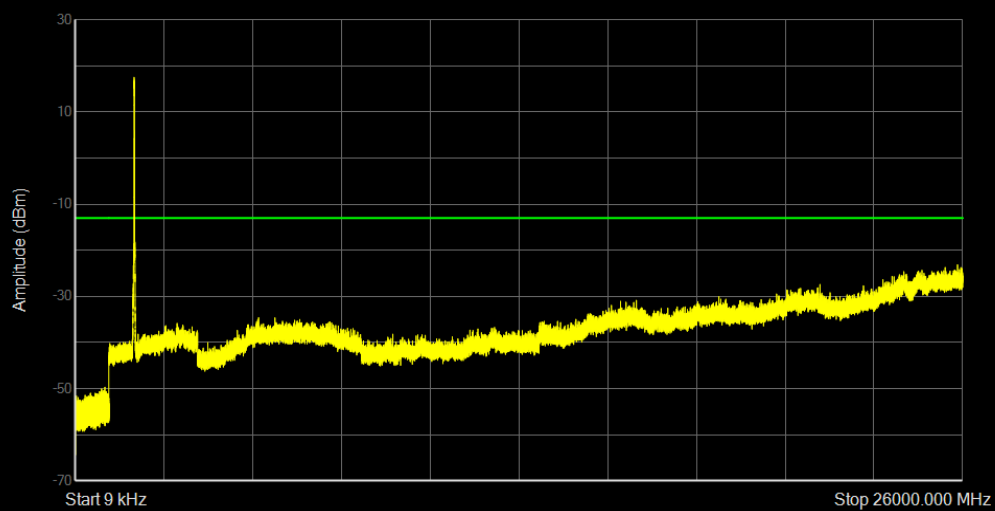


Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.115670025	-46.29	-13
2	0.15	30	10	6.07224	-44.14	-13
3	30	1000	100	684.7985	-49.71	-13
4	1000	26000	1000	25815.625	-22.63	-13

Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010145625	-45.5	-13
2	0.15	30	10	6.14014875	-43.76	-13
3	30	1000	100	885.831	-49.71	-13
4	1000	26000	1000	25846.875	-23.13	-13

Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT