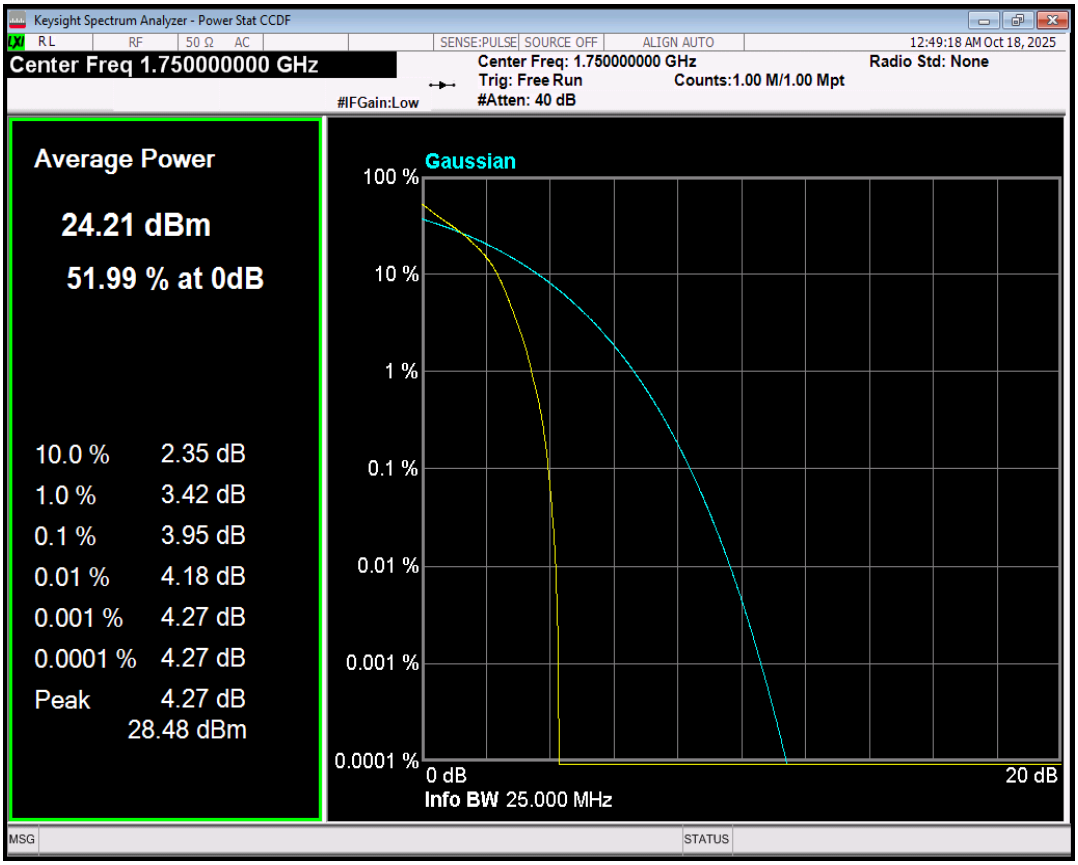
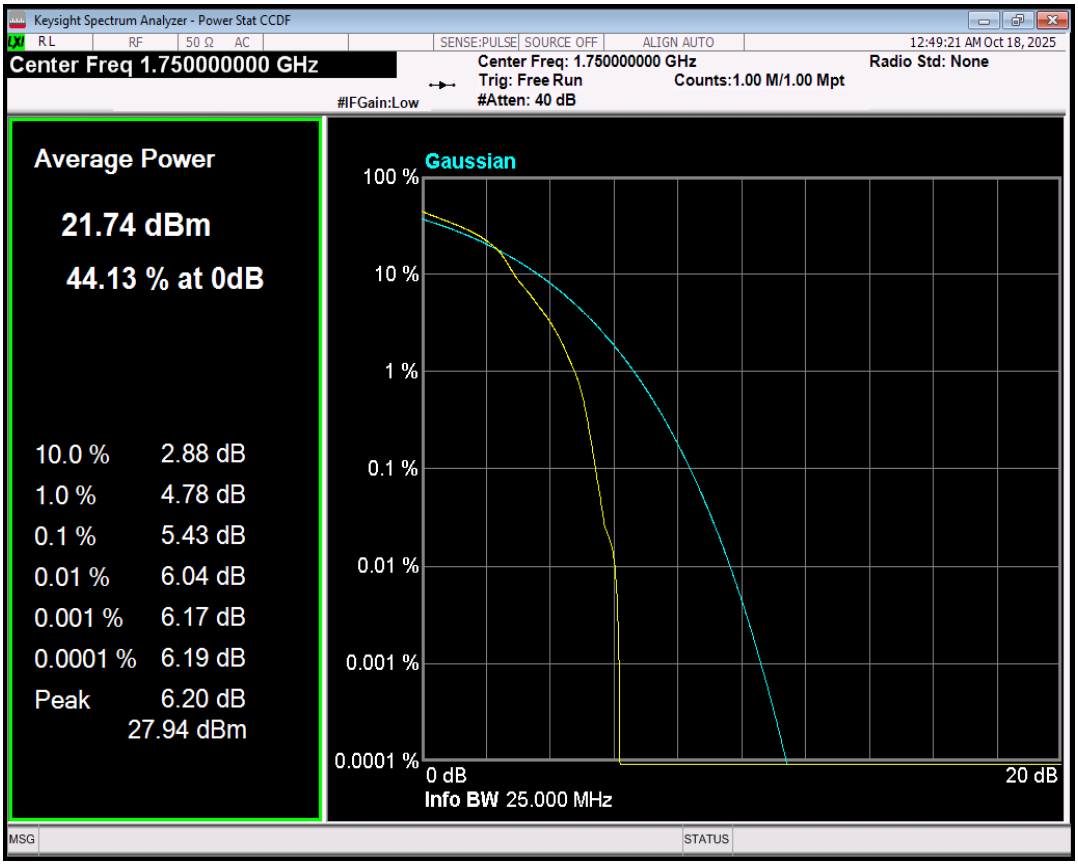
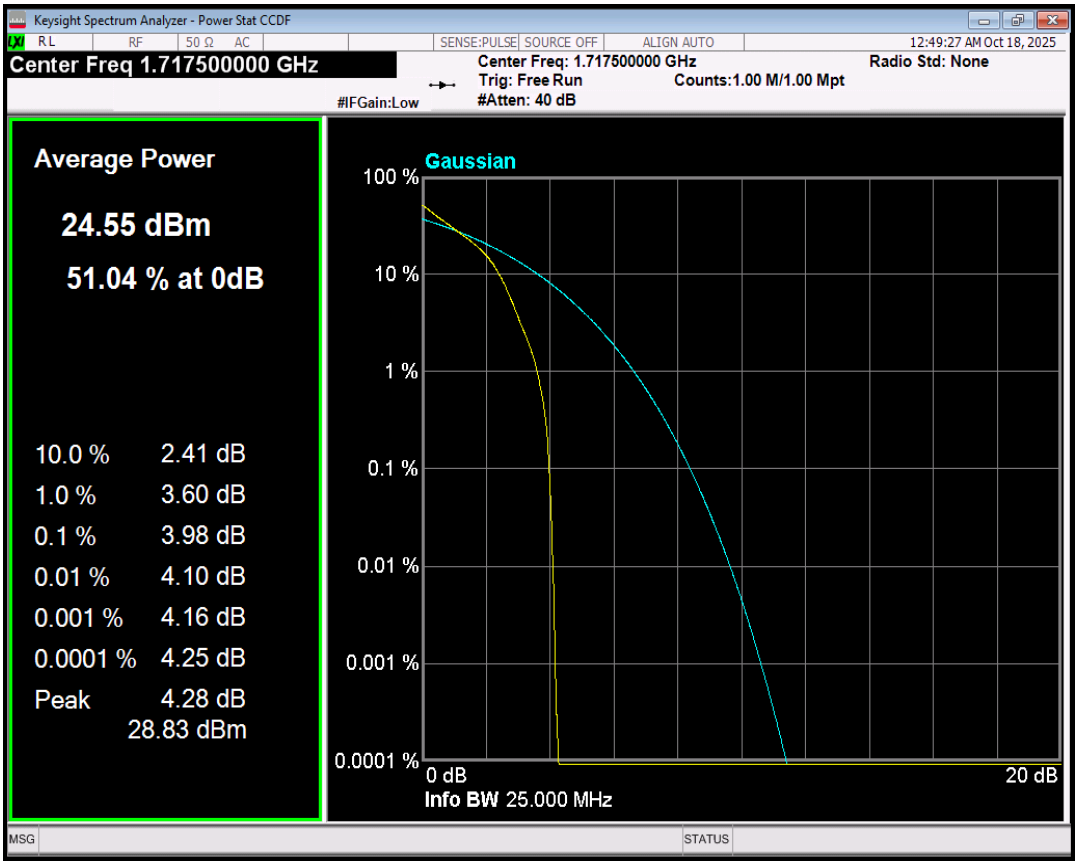


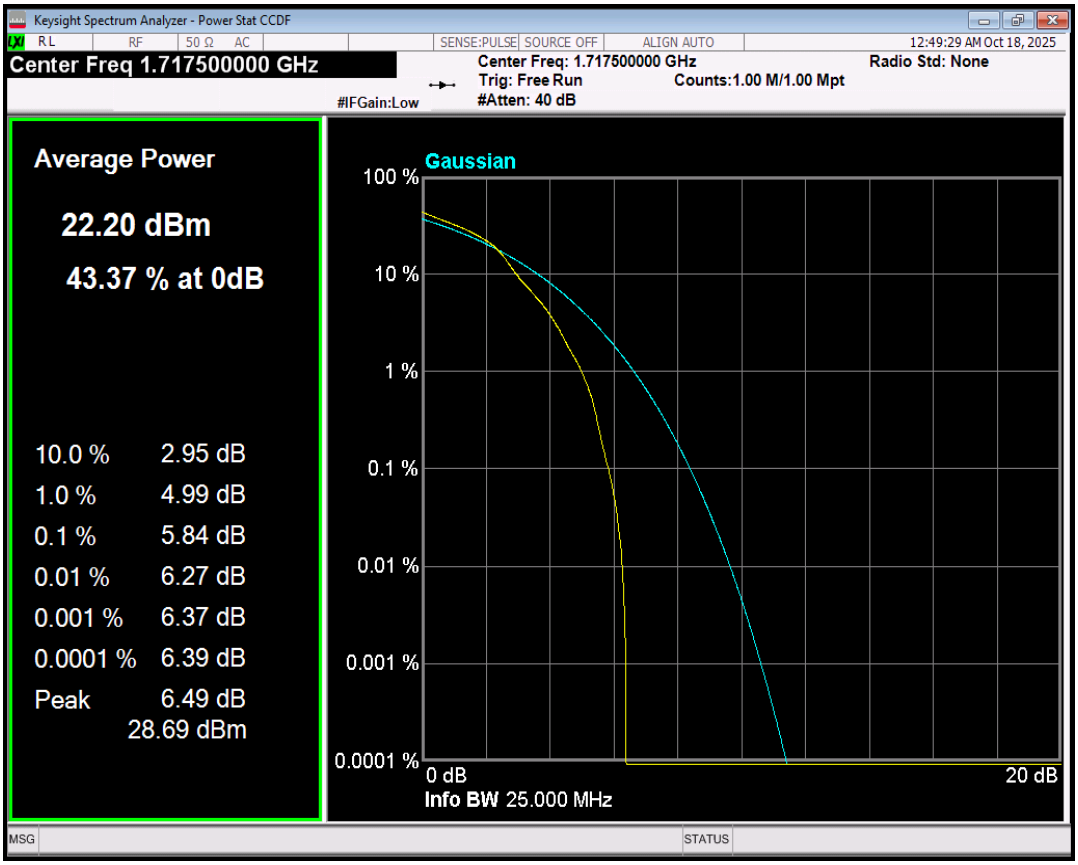
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0 NVNT



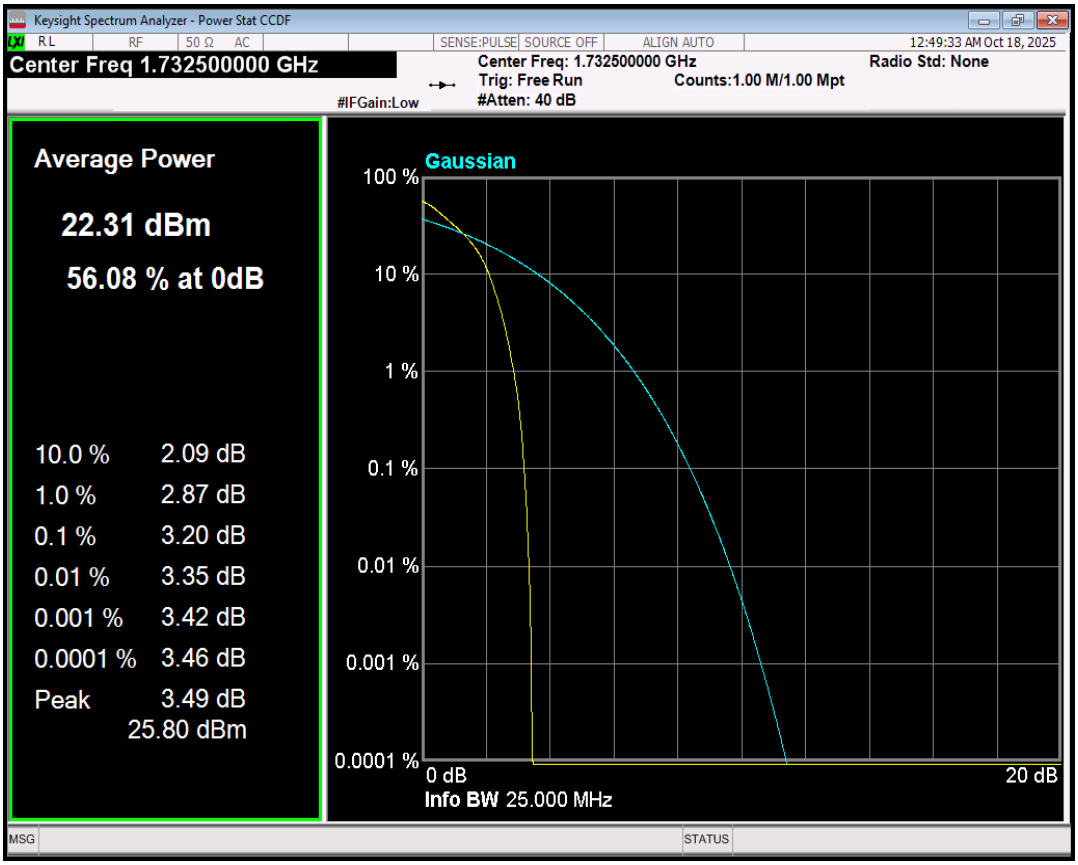
Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0 NVNT



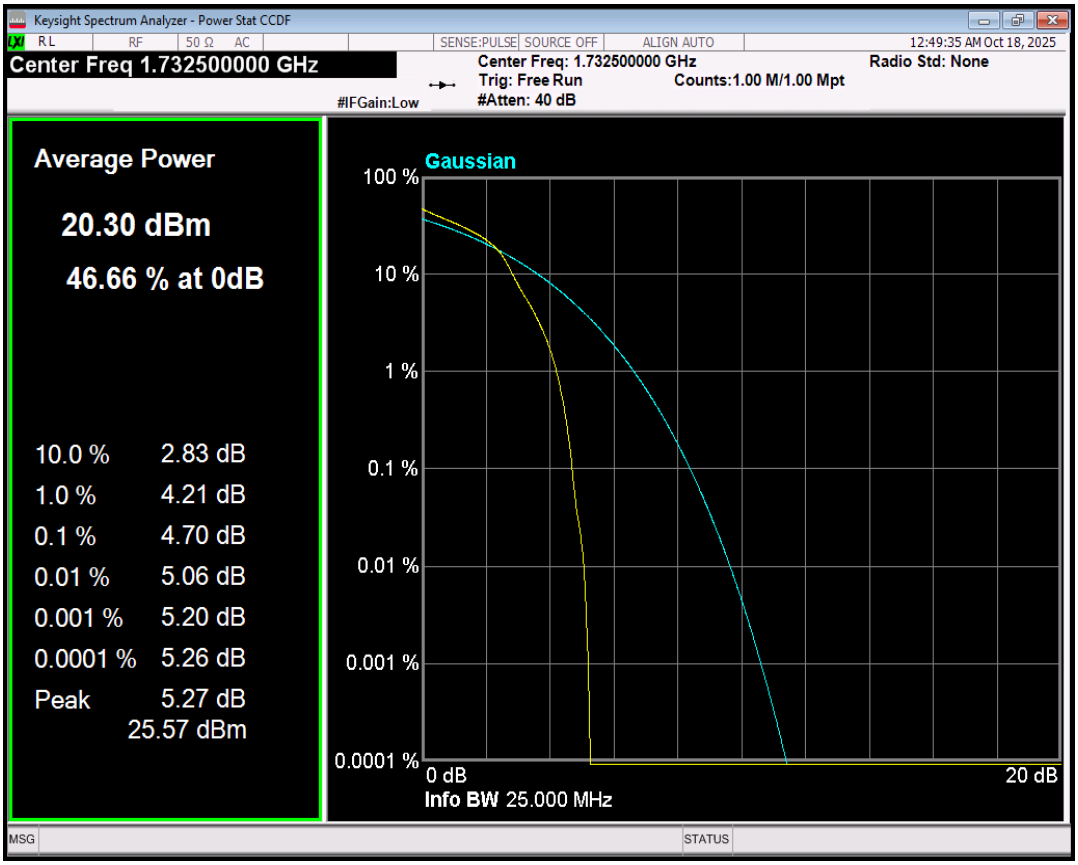
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0 NVNT



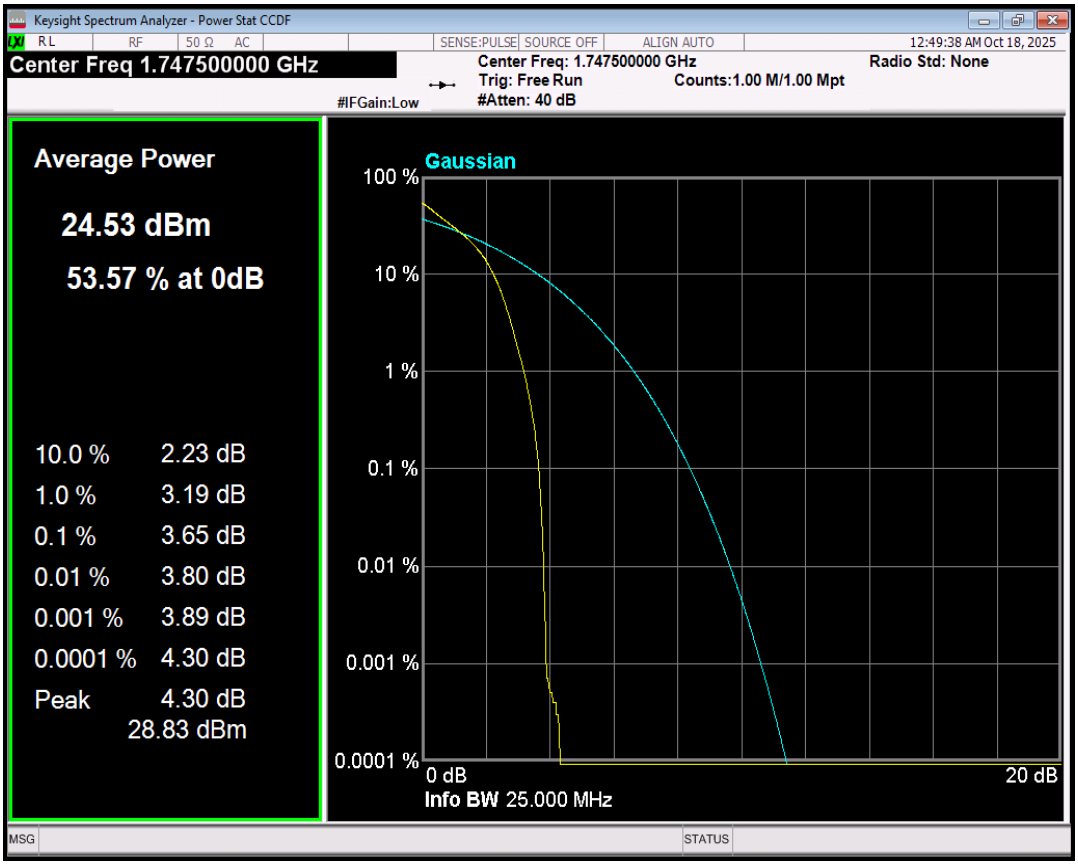
Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0 NVNT



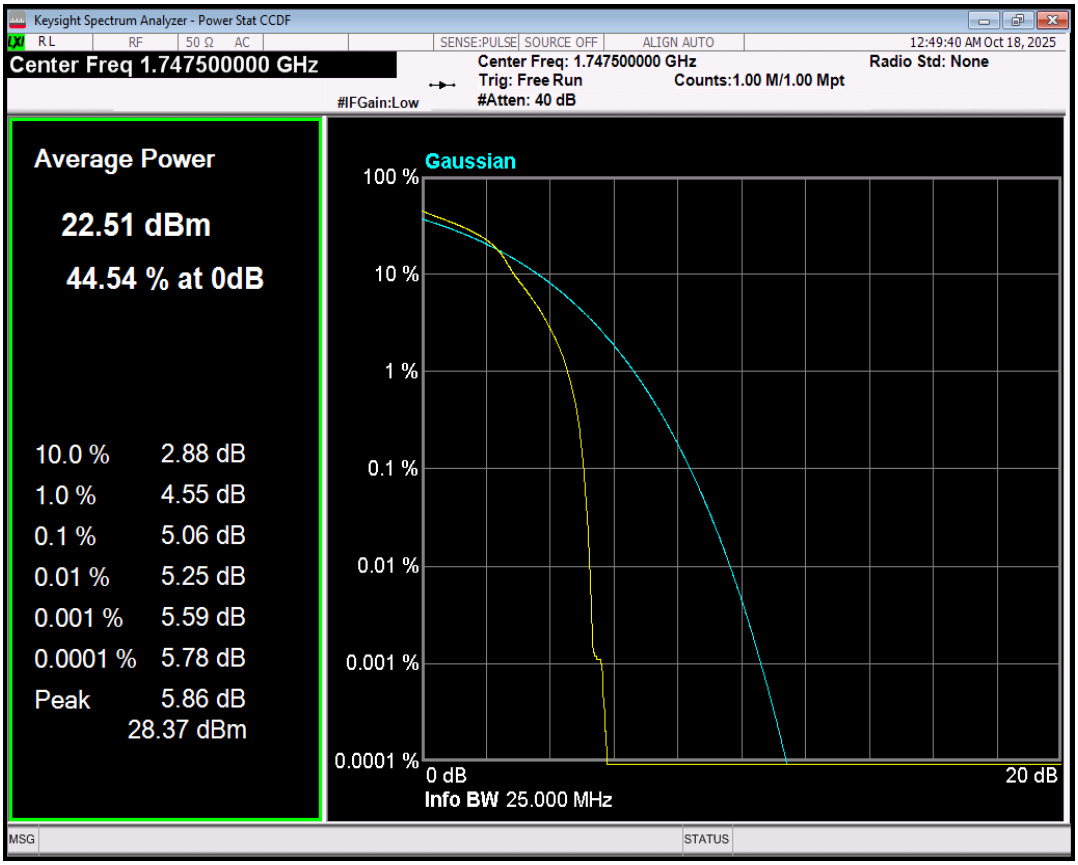
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0 NVNT



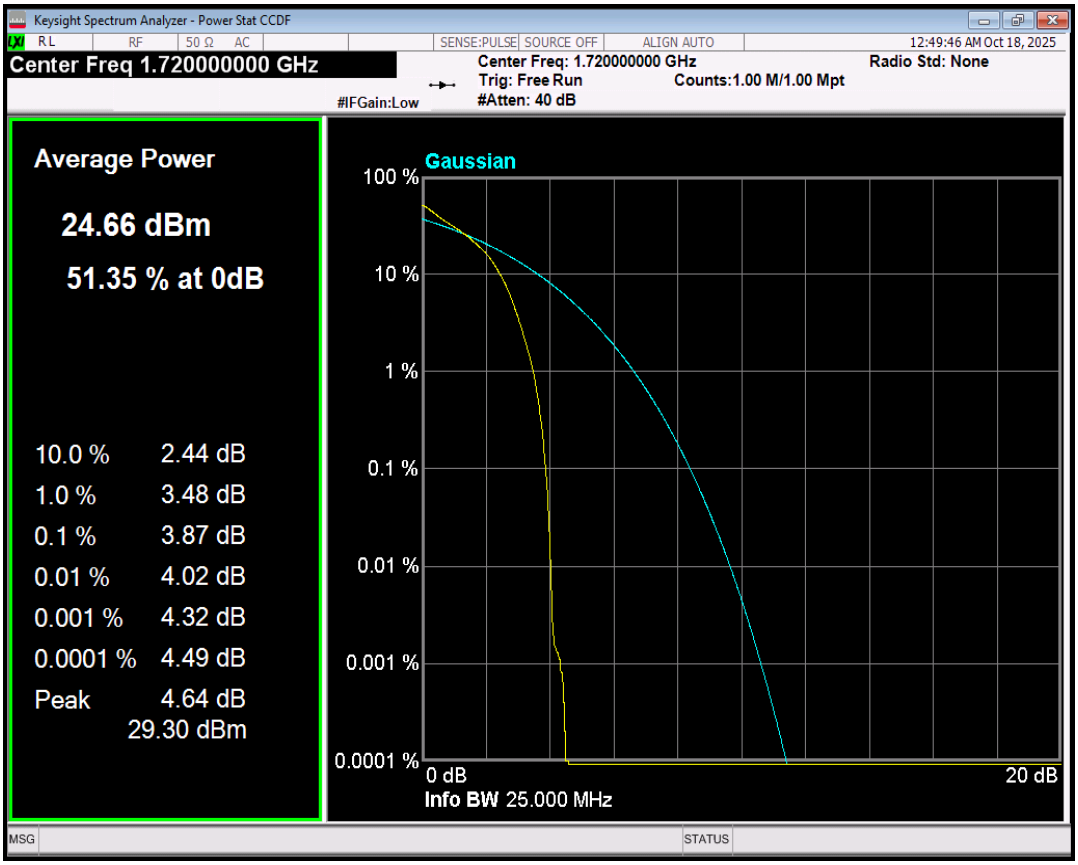
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0 NVNT



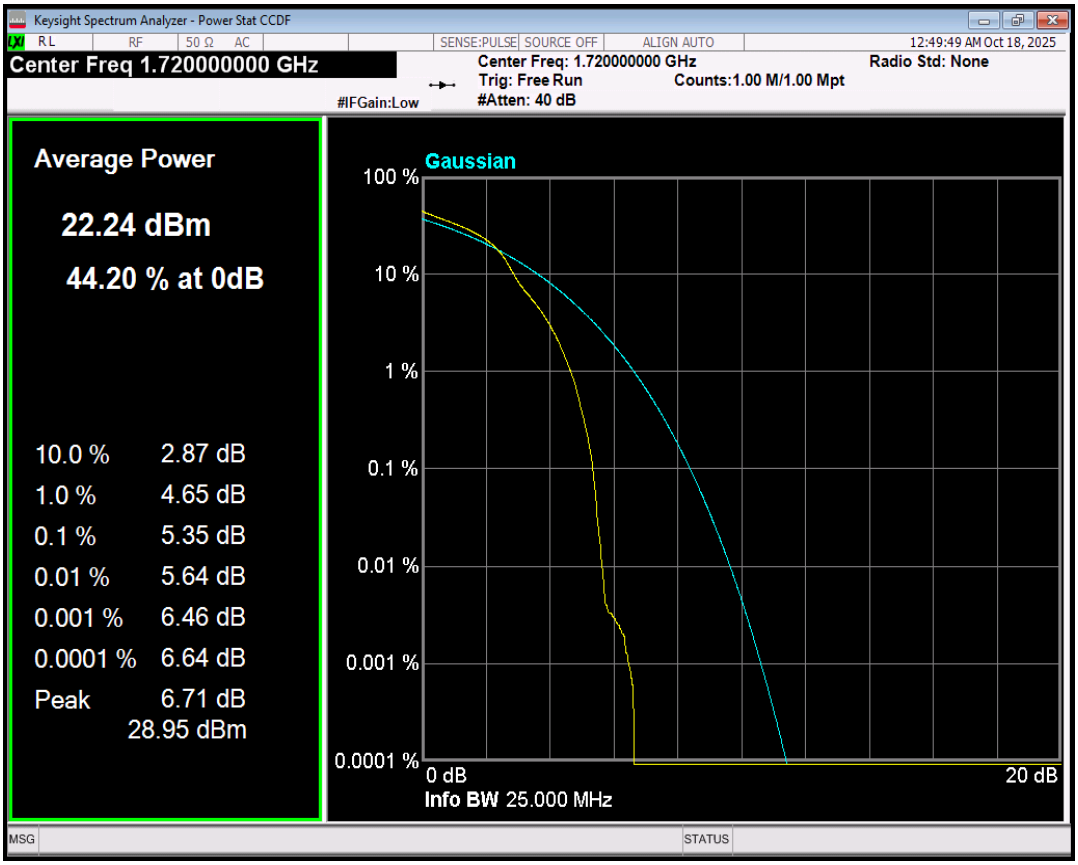
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0 NVNT



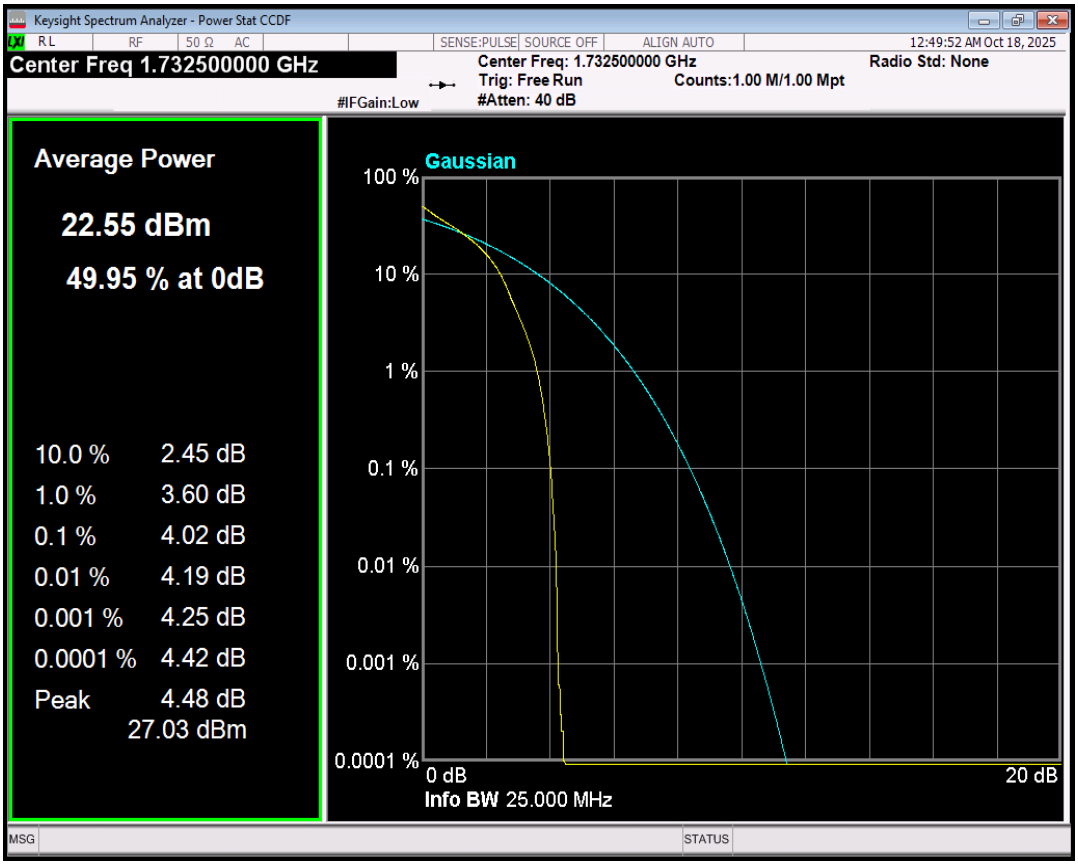
Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0 NVNT



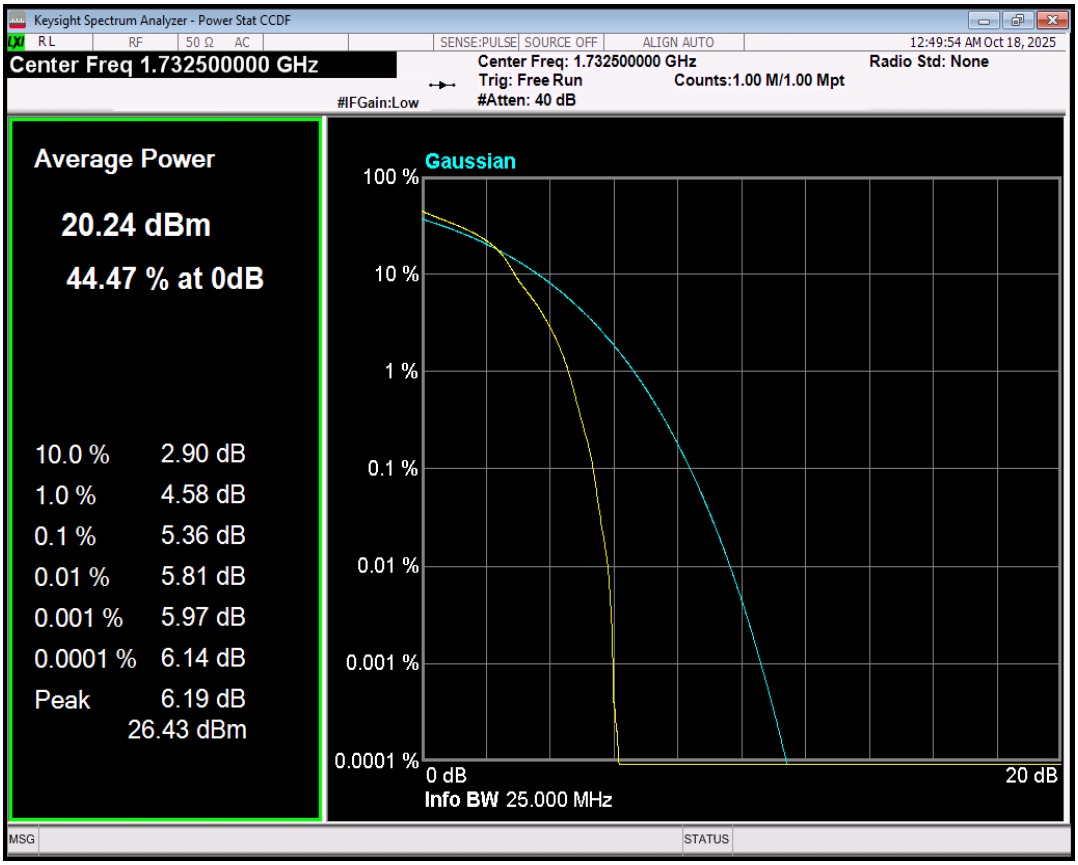
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0 NVNT



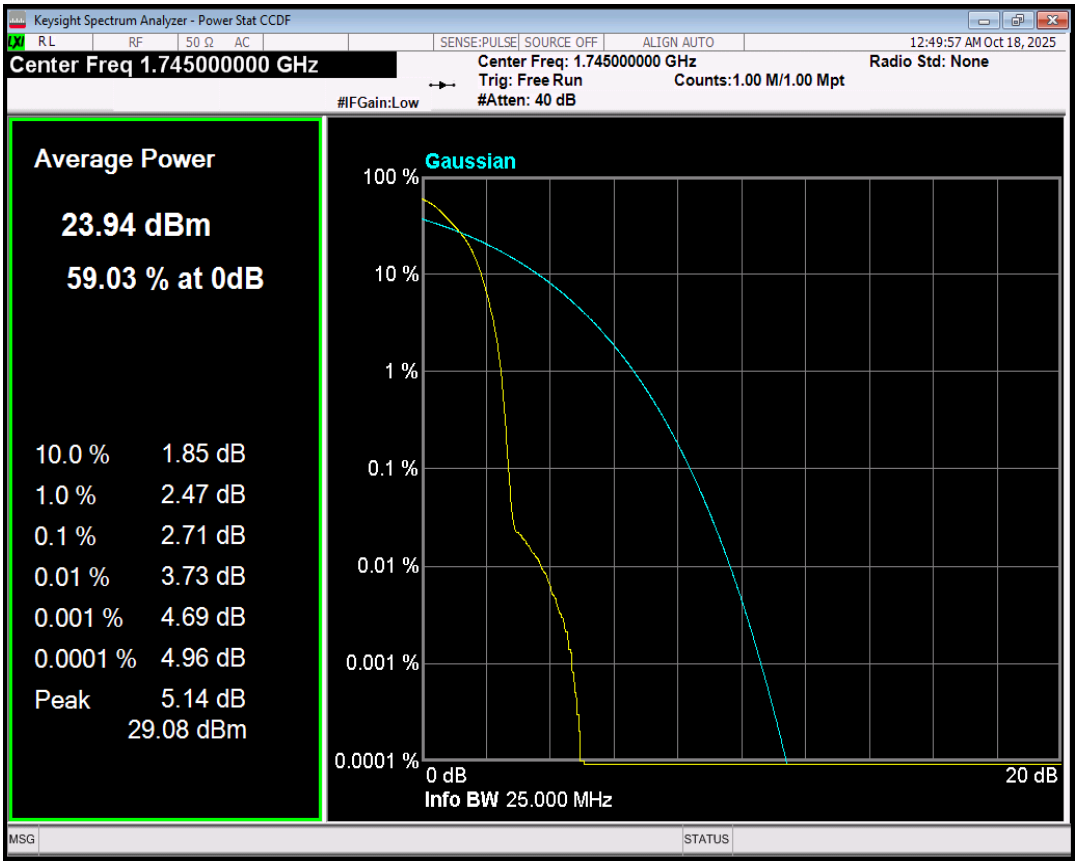
Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0 NVNT



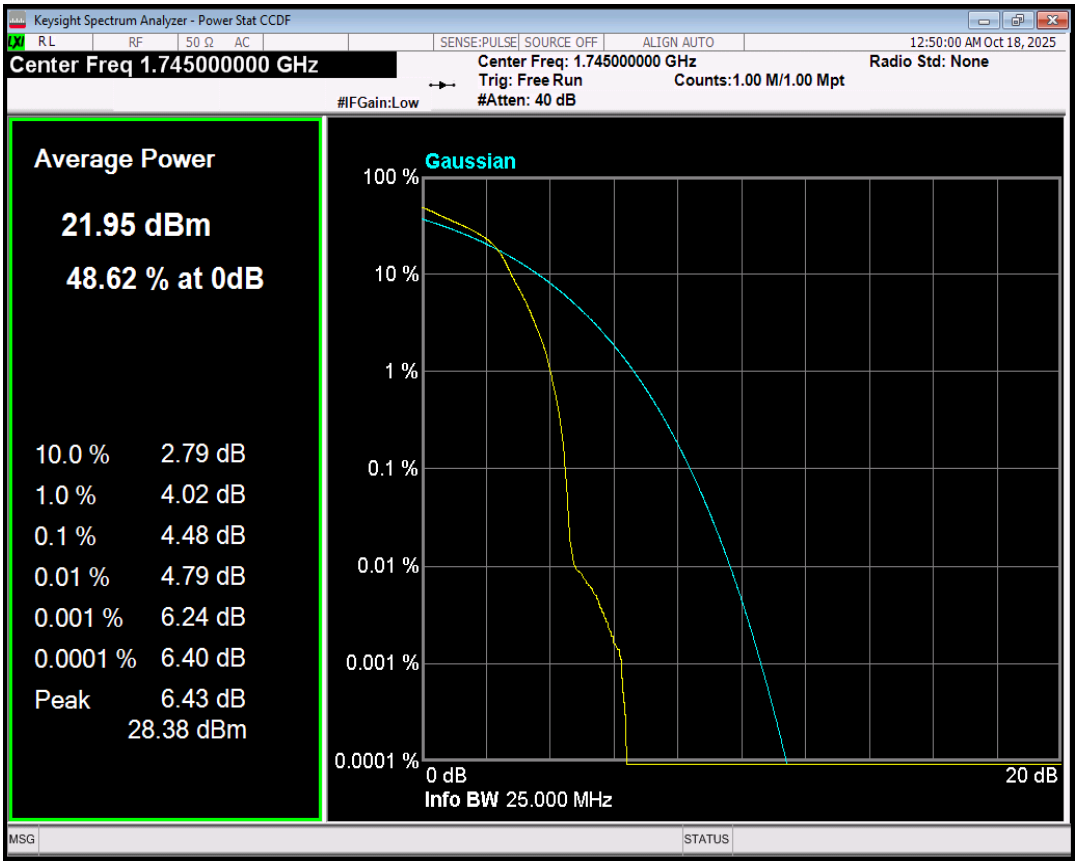
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0 NVNT



Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0 NVNT



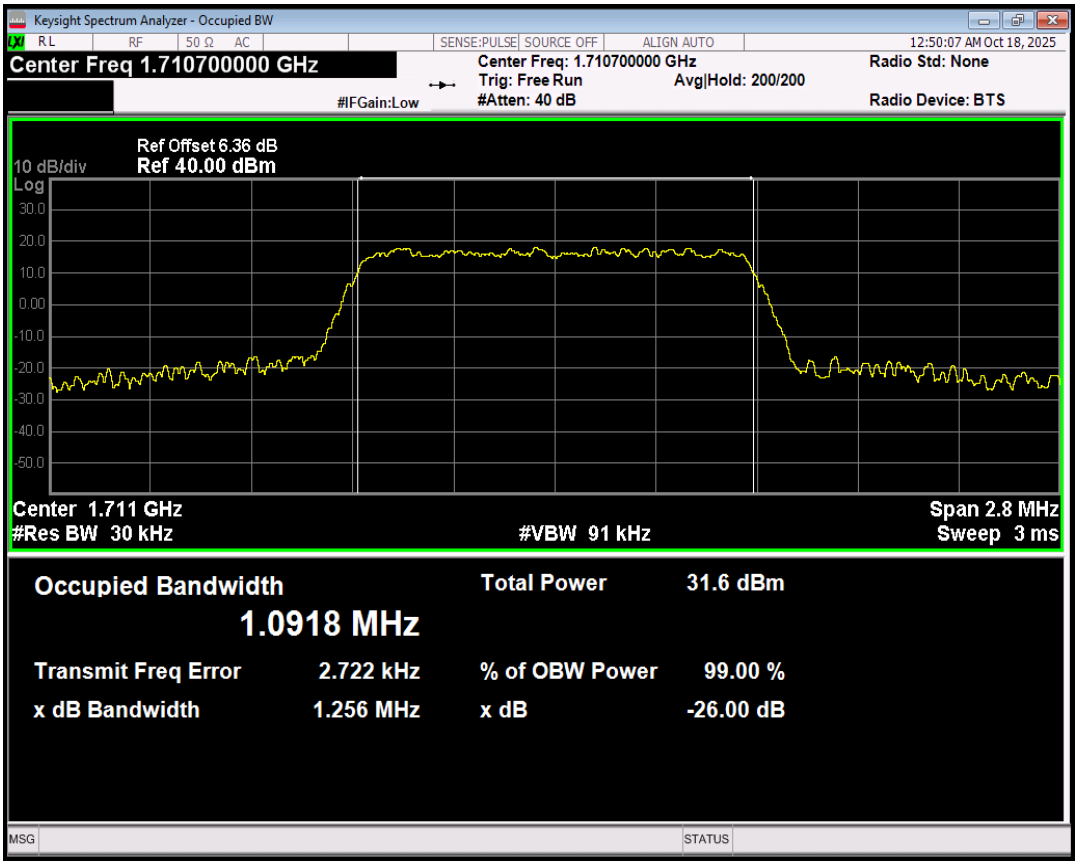
Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0 NVNT



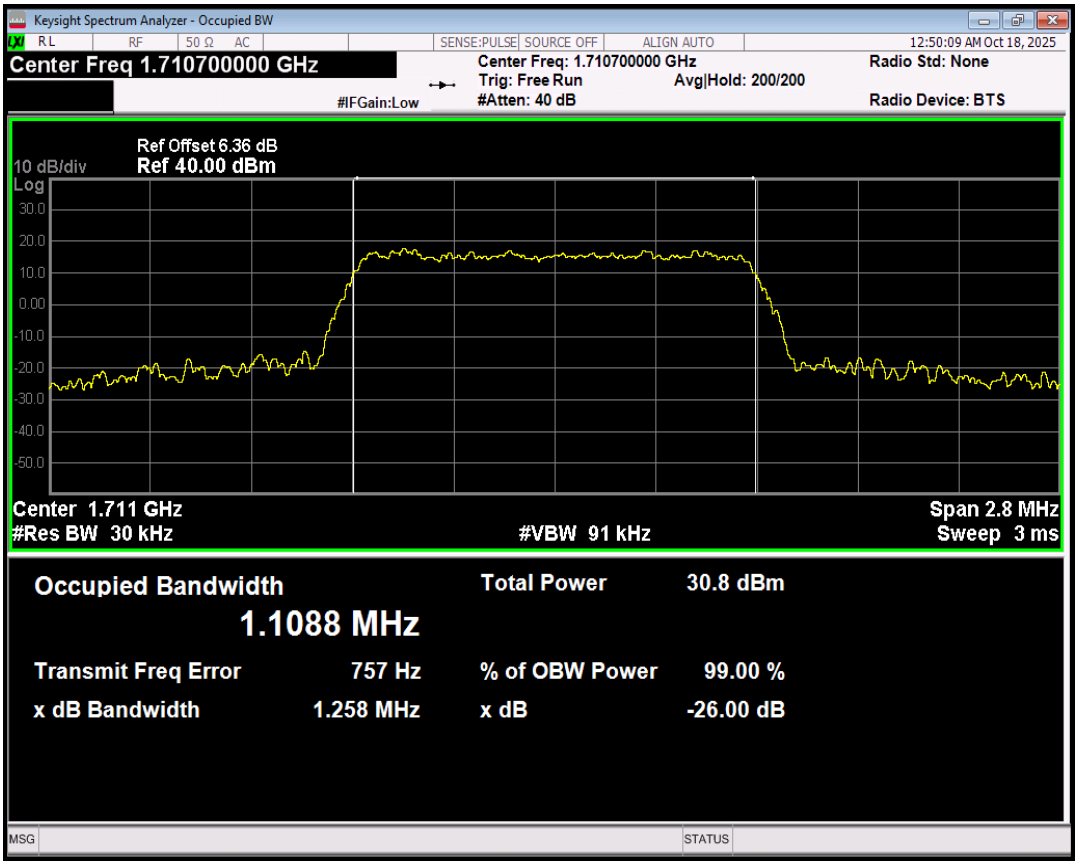
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0 NVNT

Appendix 4.Occupied bandwidth

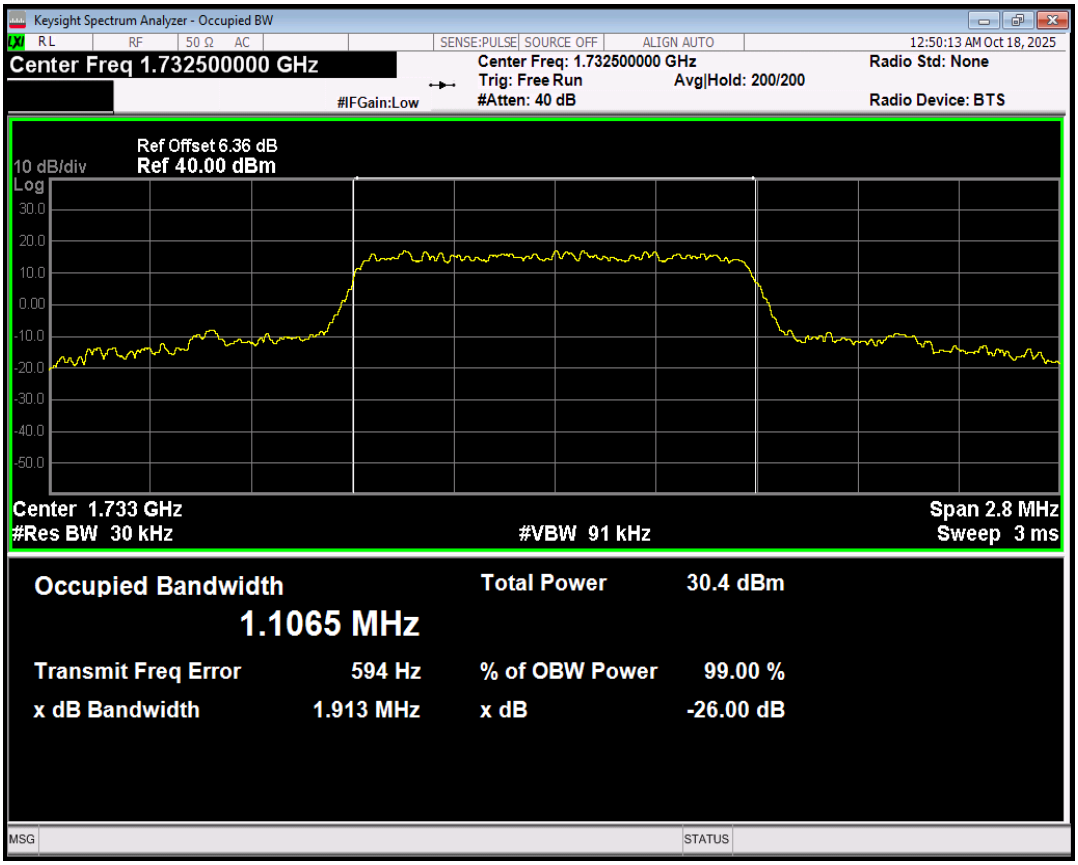
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	1.092	1.256	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	1.109	1.258	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	1.107	1.913	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	1.098	1.291	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1.100	1.245	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	1.105	1.255	PASS
NVNT	Band4	3	19965	15	#0	QPSK	2.723	3.037	PASS
NVNT	Band4	3	19965	15	#0	16QAM	2.704	3.038	PASS
NVNT	Band4	3	20175	15	#0	QPSK	2.731	3.110	PASS
NVNT	Band4	3	20175	15	#0	16QAM	2.717	3.141	PASS
NVNT	Band4	3	20385	15	#0	QPSK	2.710	3.037	PASS
NVNT	Band4	3	20385	15	#0	16QAM	2.712	3.038	PASS
NVNT	Band4	5	19975	25	#0	QPSK	4.502	4.940	PASS
NVNT	Band4	5	19975	25	#0	16QAM	4.525	4.960	PASS
NVNT	Band4	5	20175	25	#0	QPSK	4.534	5.713	PASS
NVNT	Band4	5	20175	25	#0	16QAM	4.549	5.027	PASS
NVNT	Band4	5	20375	25	#0	QPSK	4.497	4.925	PASS
NVNT	Band4	5	20375	25	#0	16QAM	4.542	4.988	PASS
NVNT	Band4	10	20000	50	#0	QPSK	8.966	9.824	PASS
NVNT	Band4	10	20000	50	#0	16QAM	8.964	9.748	PASS
NVNT	Band4	10	20175	50	#0	QPSK	9.019	10.976	PASS
NVNT	Band4	10	20175	50	#0	16QAM	9.050	9.865	PASS
NVNT	Band4	10	20350	50	#0	QPSK	8.993	9.881	PASS
NVNT	Band4	10	20350	50	#0	16QAM	8.998	9.859	PASS
NVNT	Band4	15	20025	75	#0	QPSK	13.438	14.746	PASS
NVNT	Band4	15	20025	75	#0	16QAM	13.466	14.906	PASS
NVNT	Band4	15	20175	75	#0	QPSK	13.506	14.895	PASS
NVNT	Band4	15	20175	75	#0	16QAM	13.528	14.927	PASS
NVNT	Band4	15	20325	75	#0	QPSK	13.471	14.841	PASS
NVNT	Band4	15	20325	75	#0	16QAM	13.480	14.987	PASS
NVNT	Band4	20	20050	100	#0	QPSK	17.978	19.573	PASS
NVNT	Band4	20	20050	100	#0	16QAM	18.045	19.581	PASS
NVNT	Band4	20	20175	100	#0	QPSK	18.032	19.548	PASS
NVNT	Band4	20	20175	100	#0	16QAM	18.104	19.819	PASS
NVNT	Band4	20	20300	100	#0	QPSK	17.984	19.662	PASS
NVNT	Band4	20	20300	100	#0	16QAM	17.942	19.656	PASS



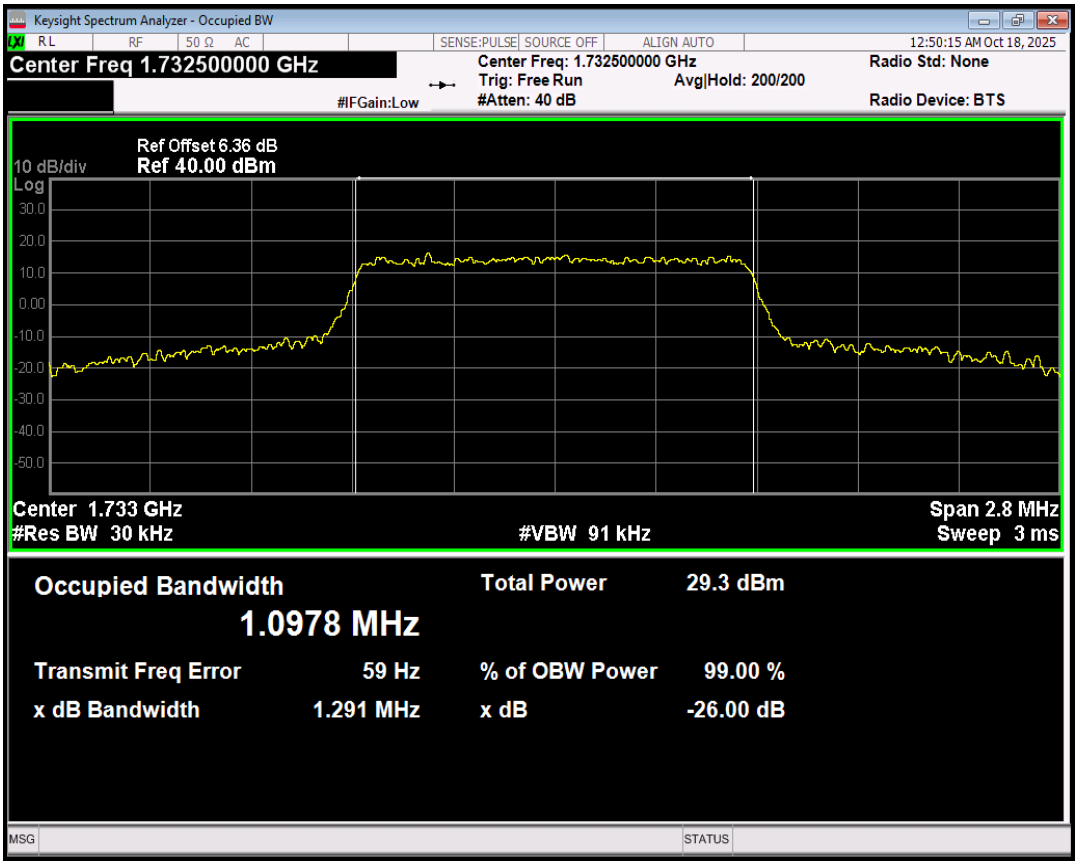
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



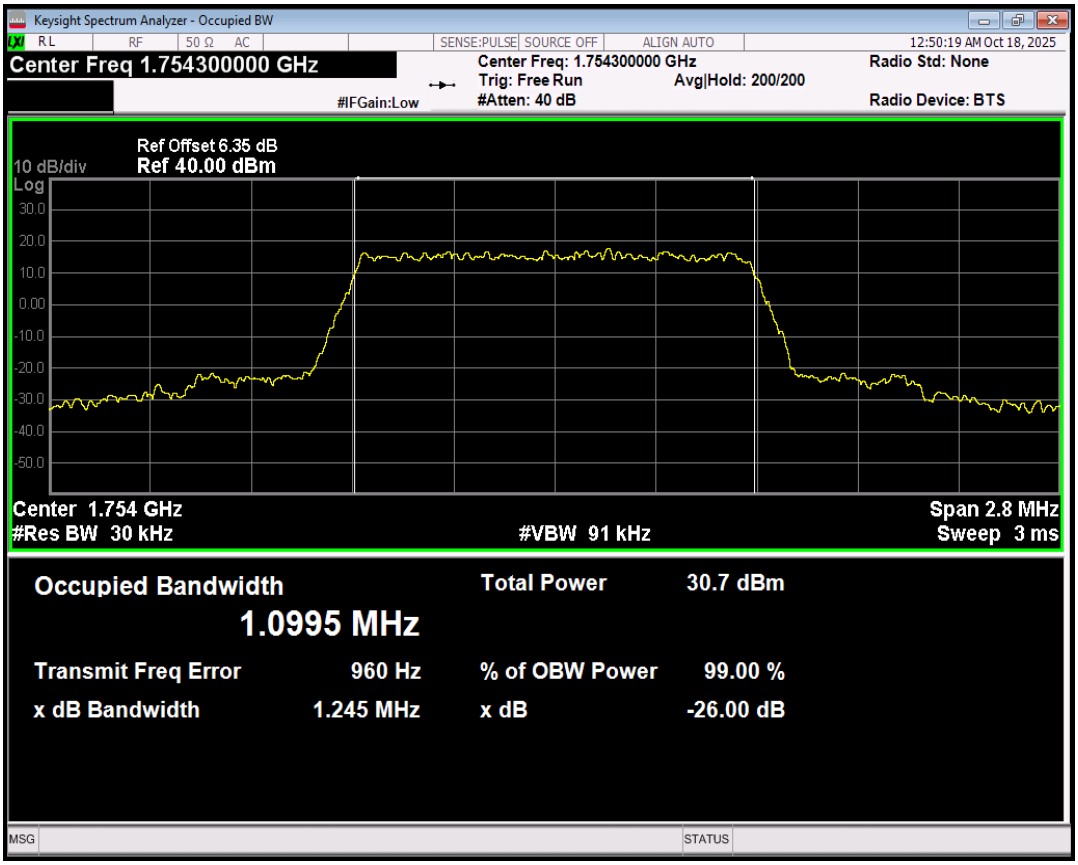
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



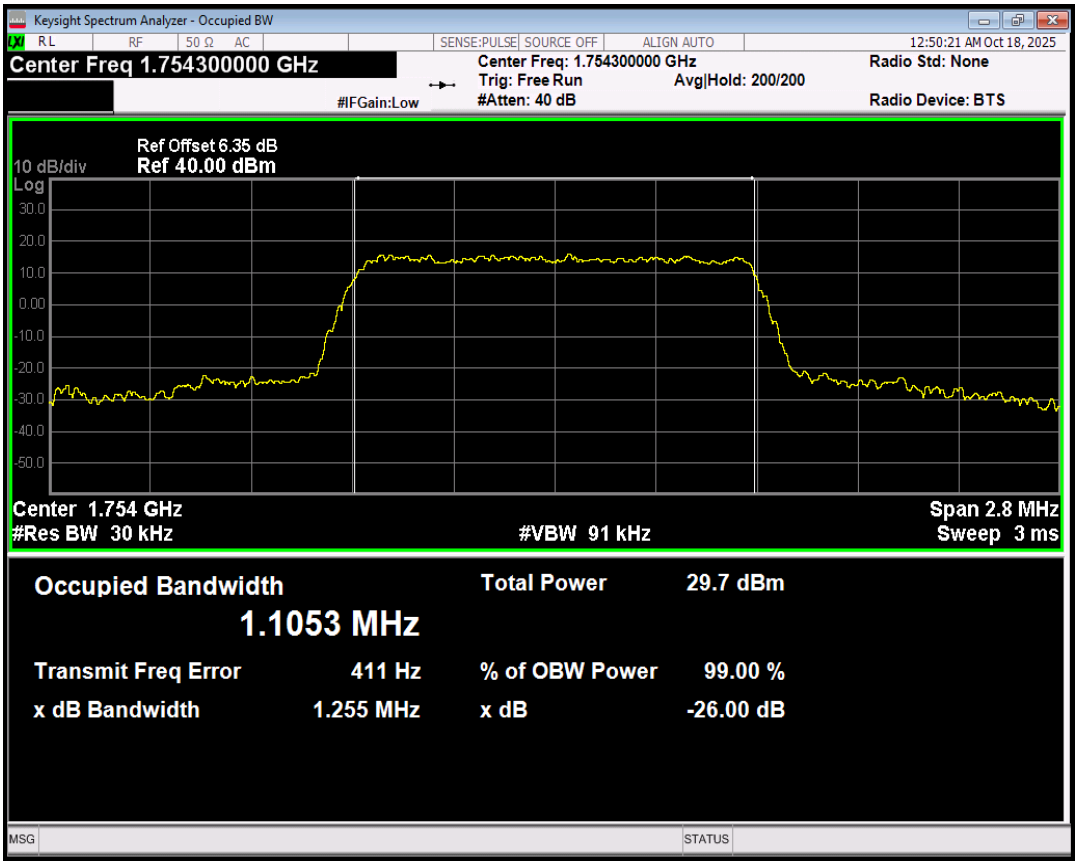
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT



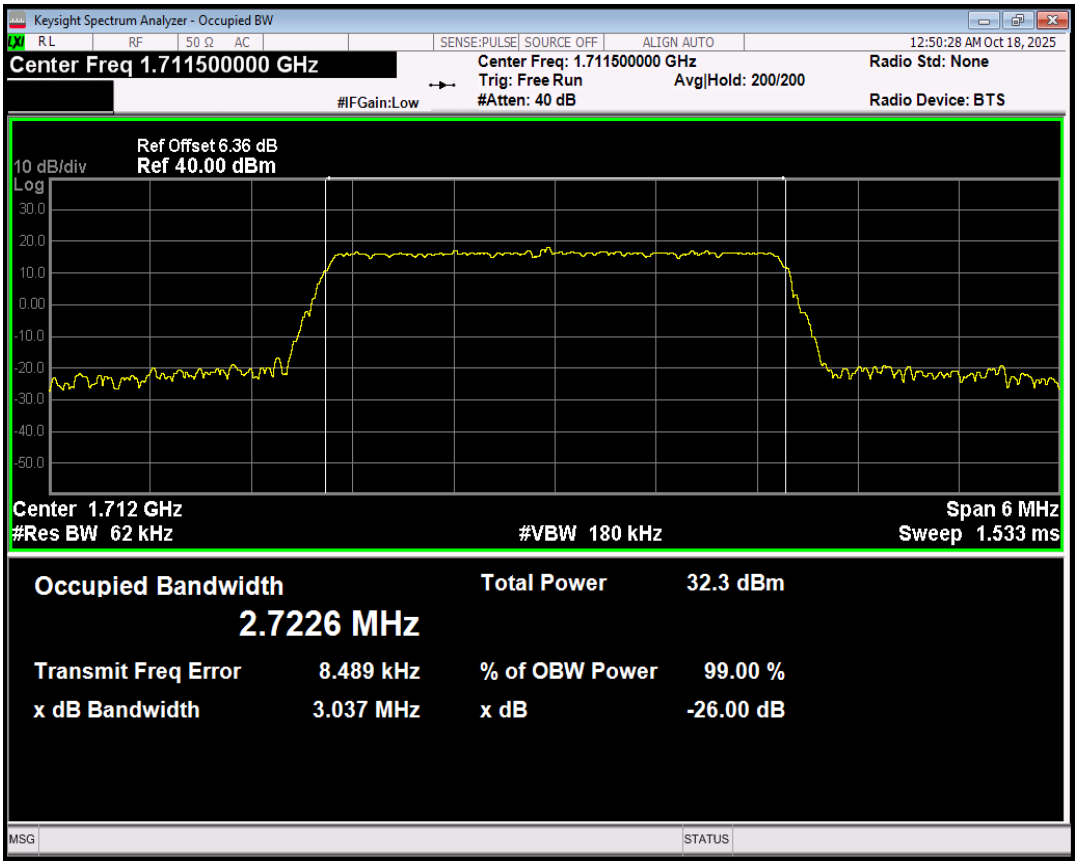
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT



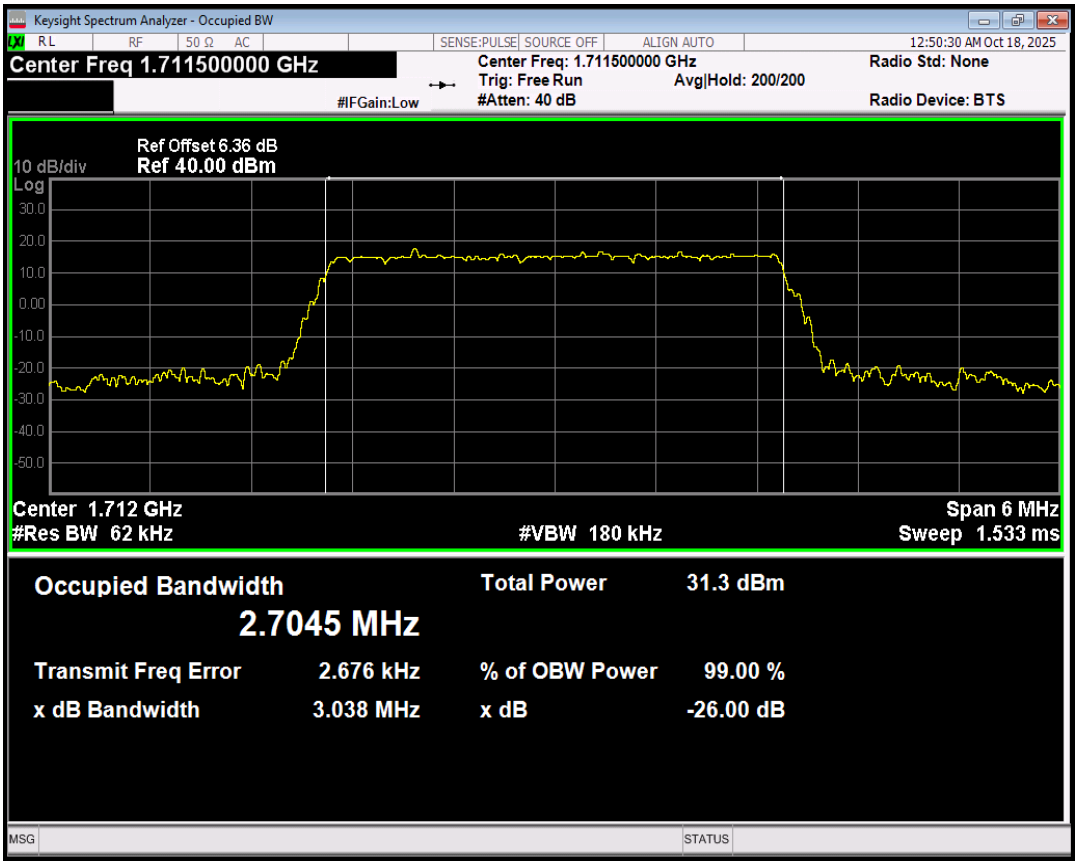
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



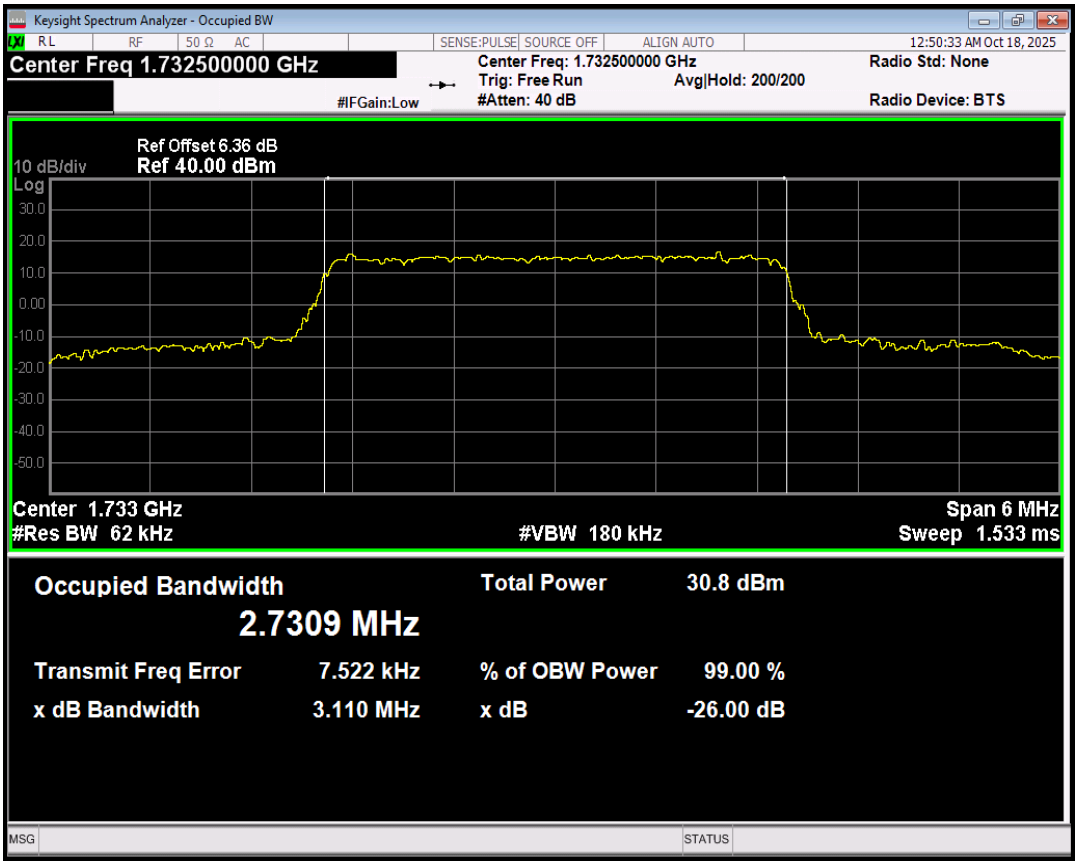
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



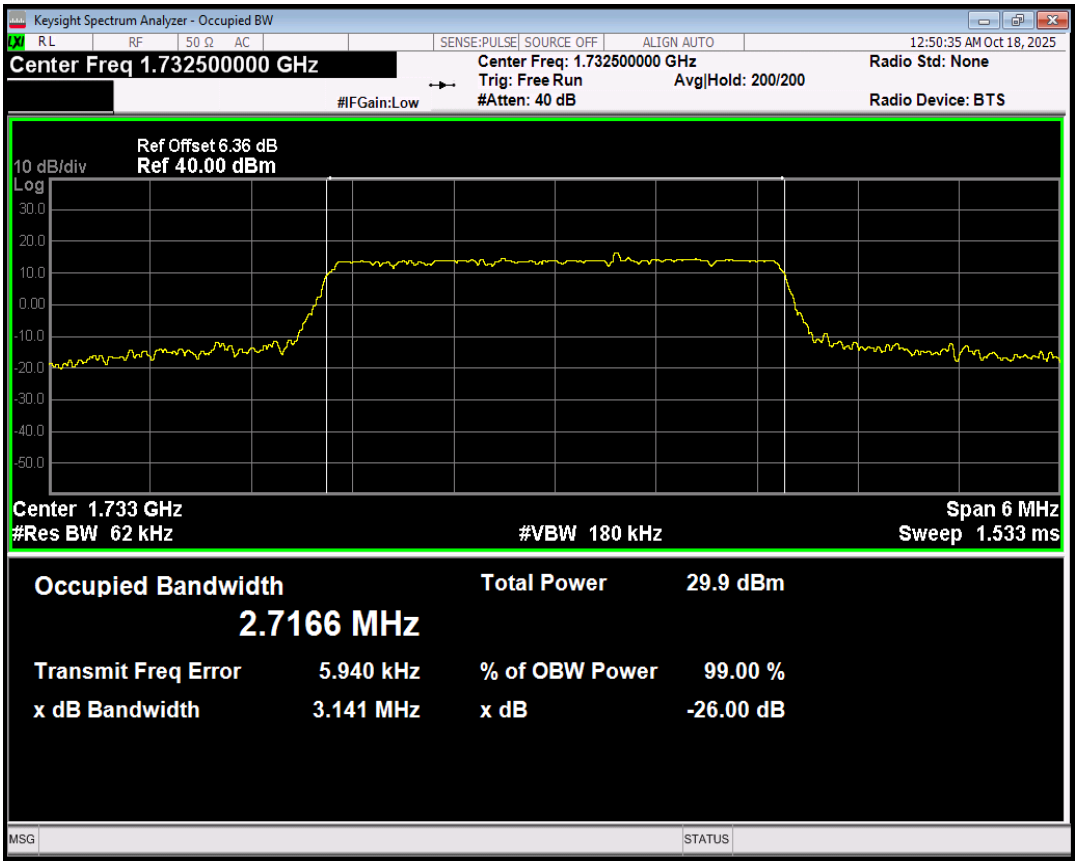
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



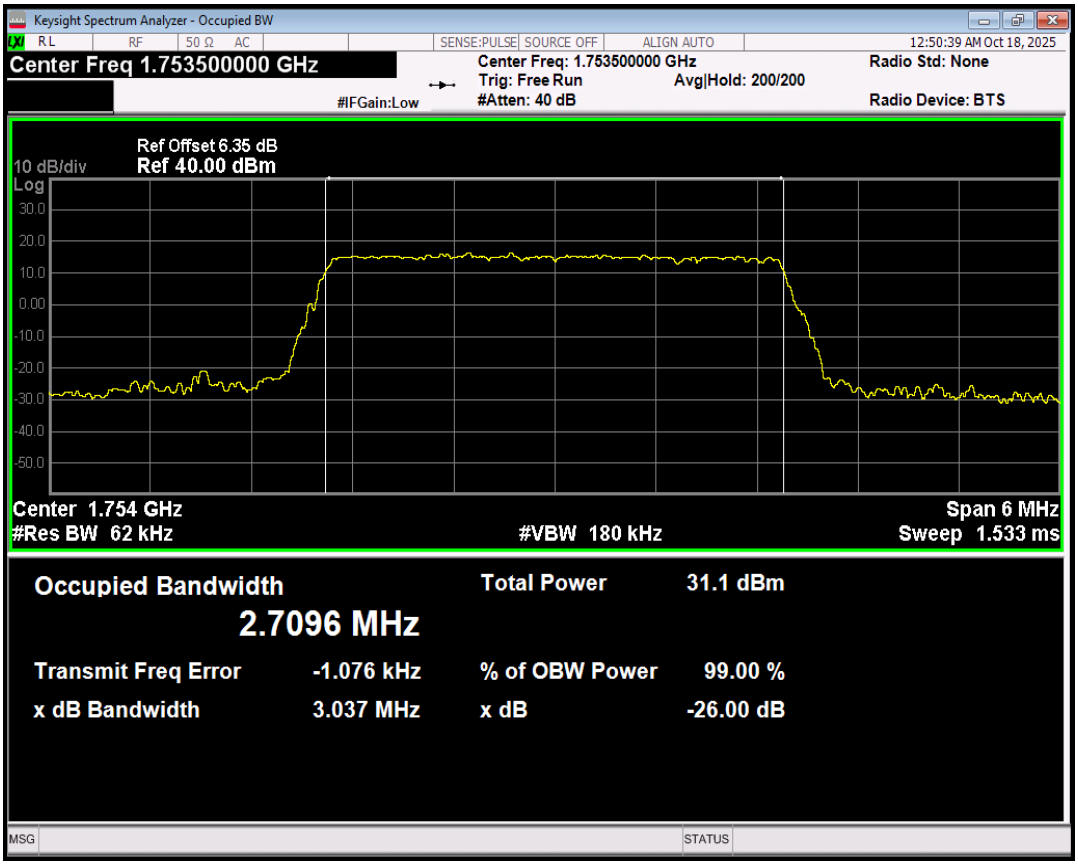
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



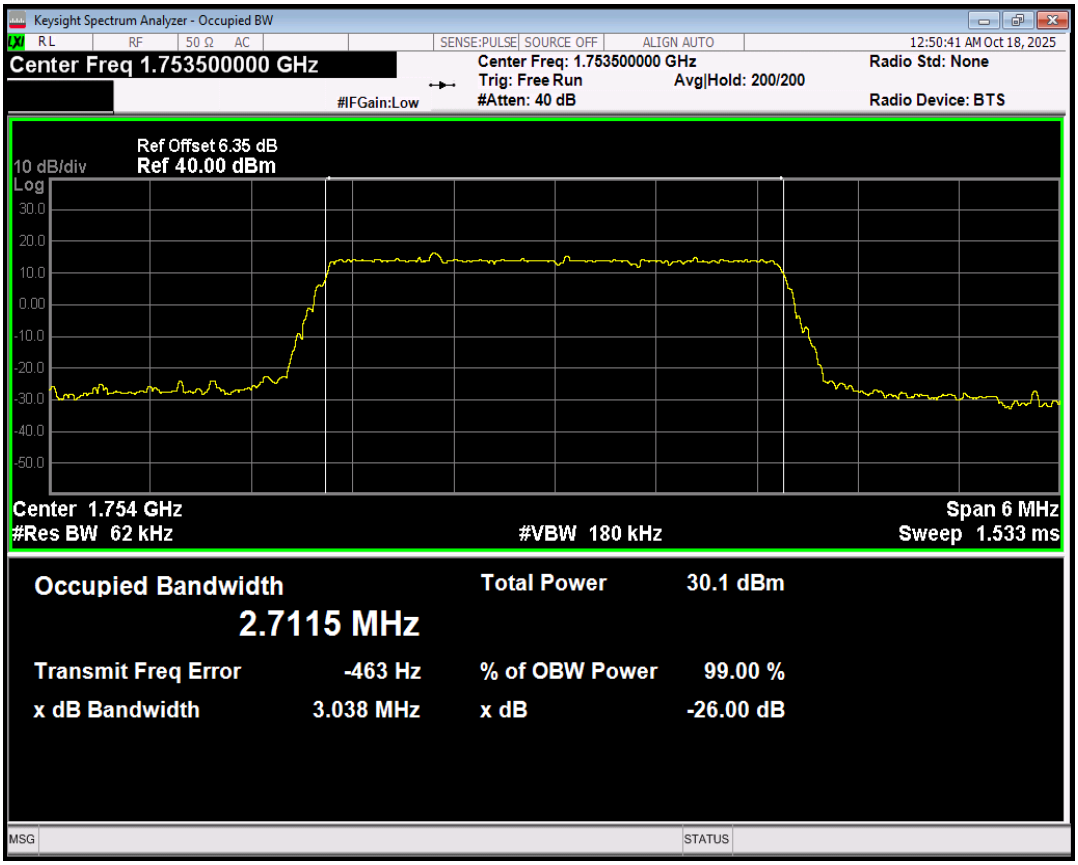
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



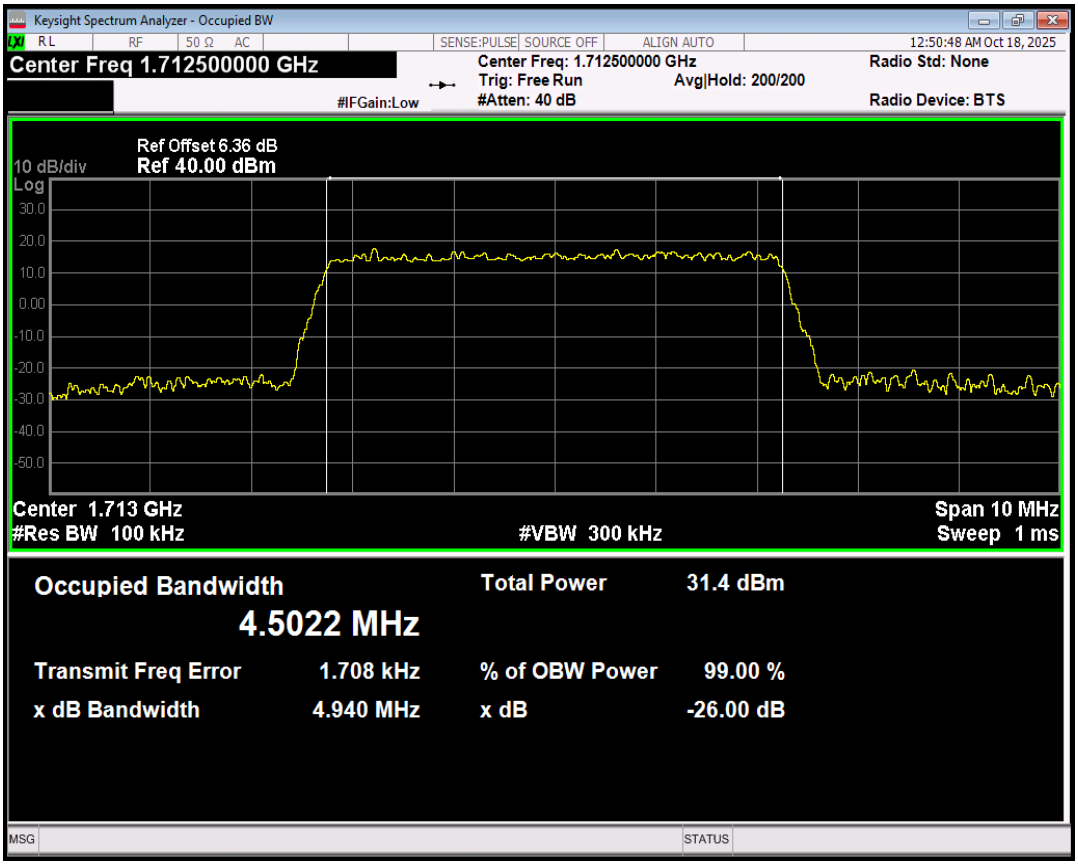
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



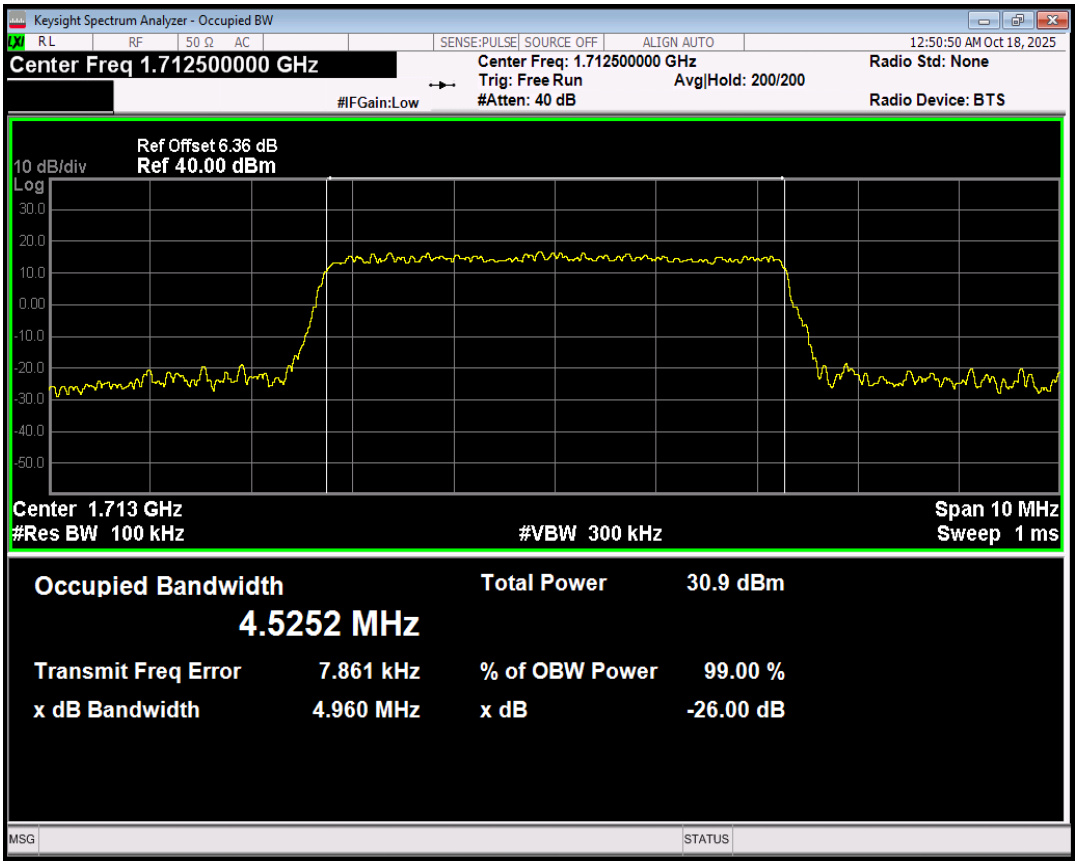
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



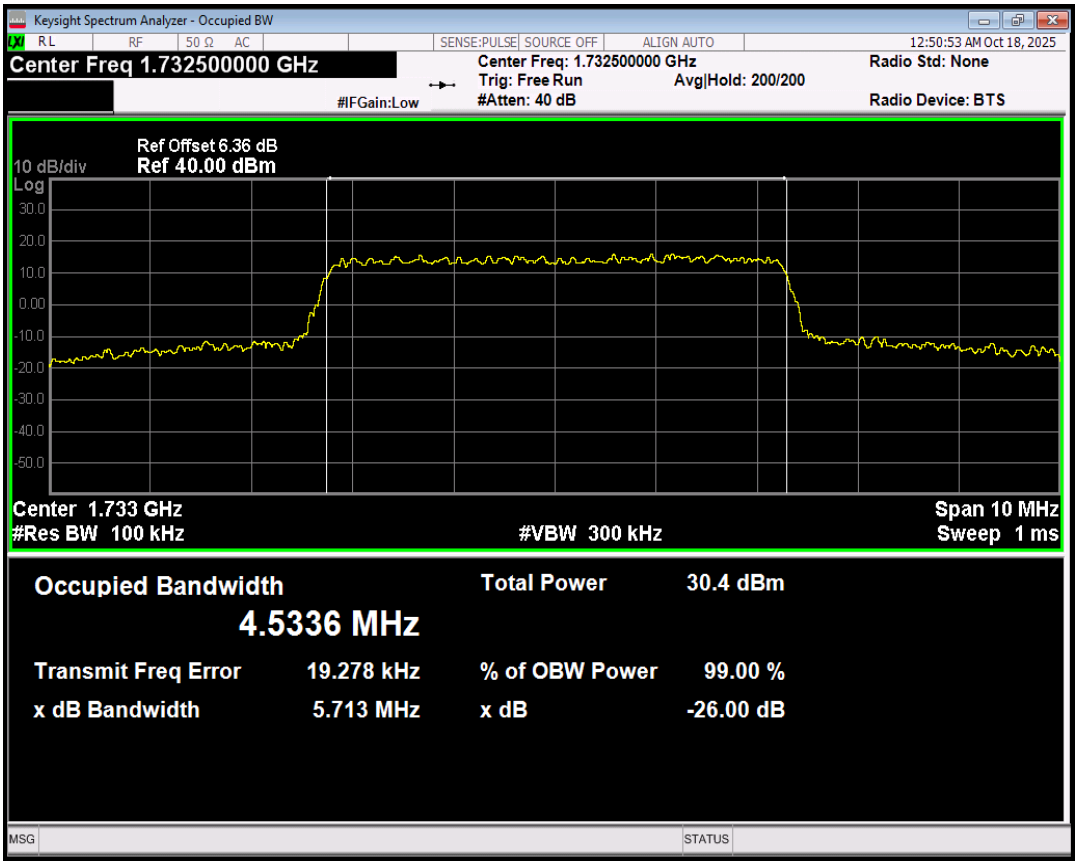
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



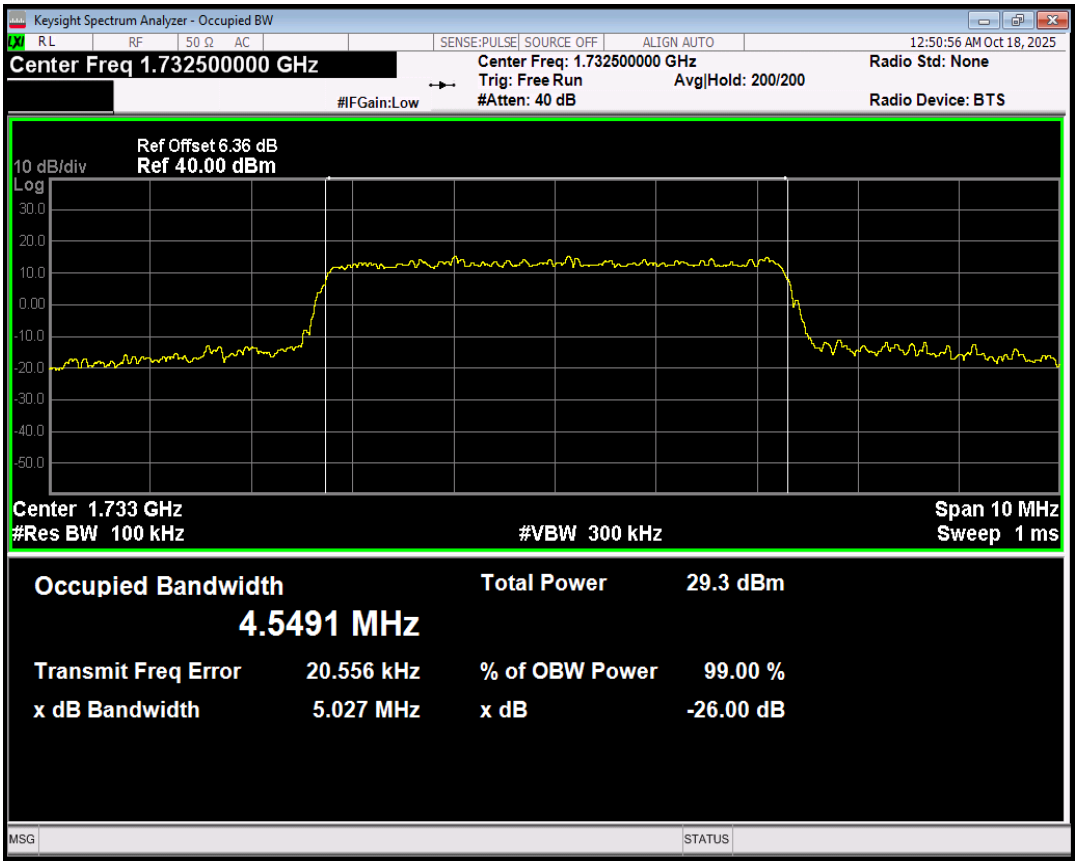
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



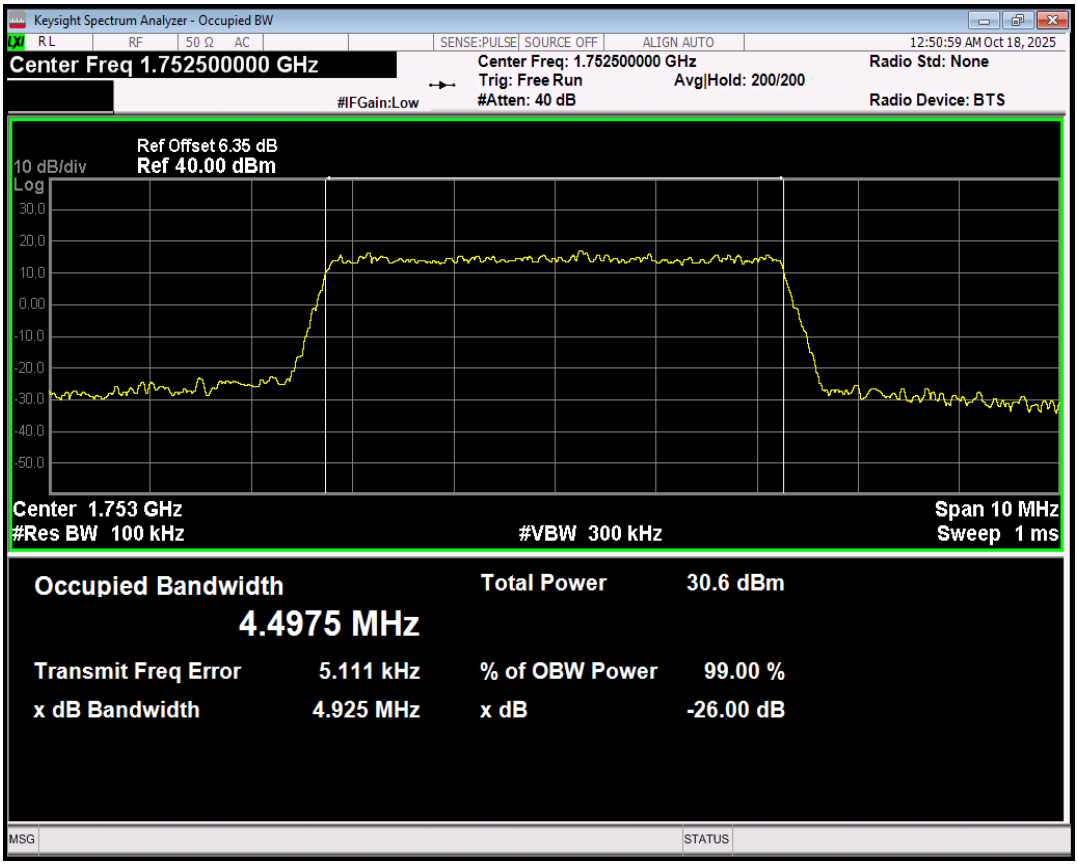
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



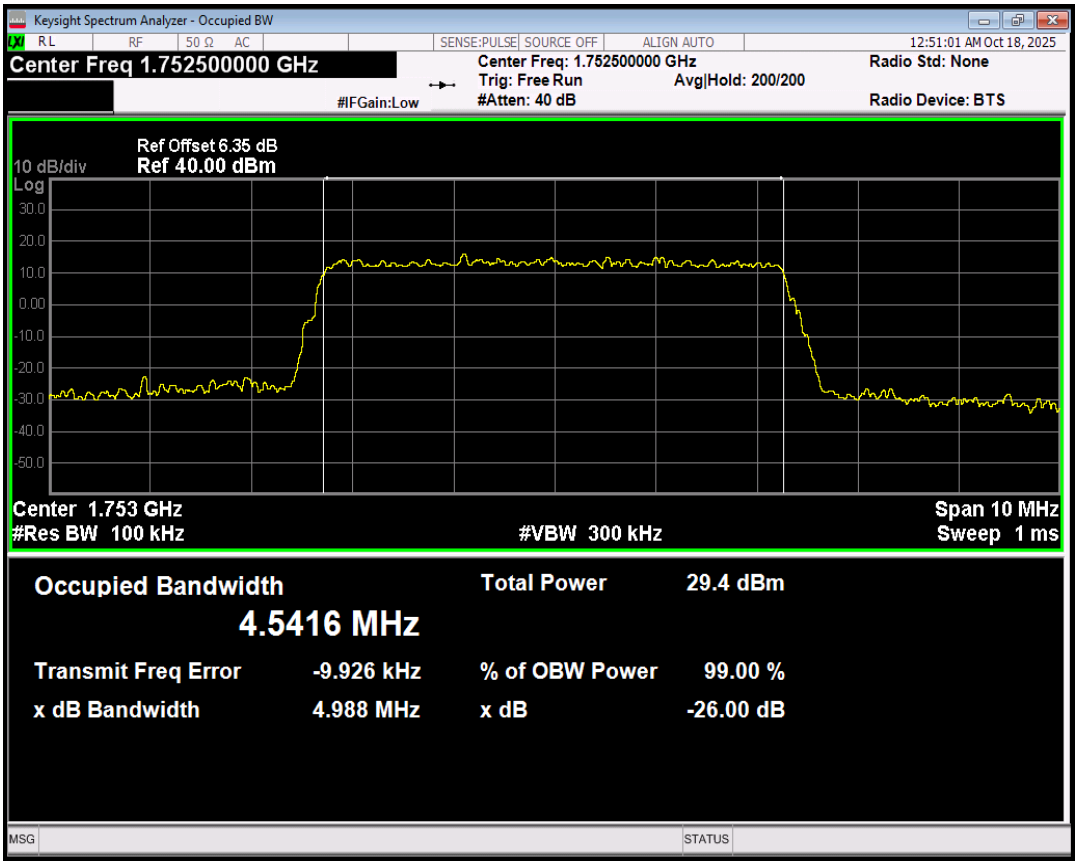
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT



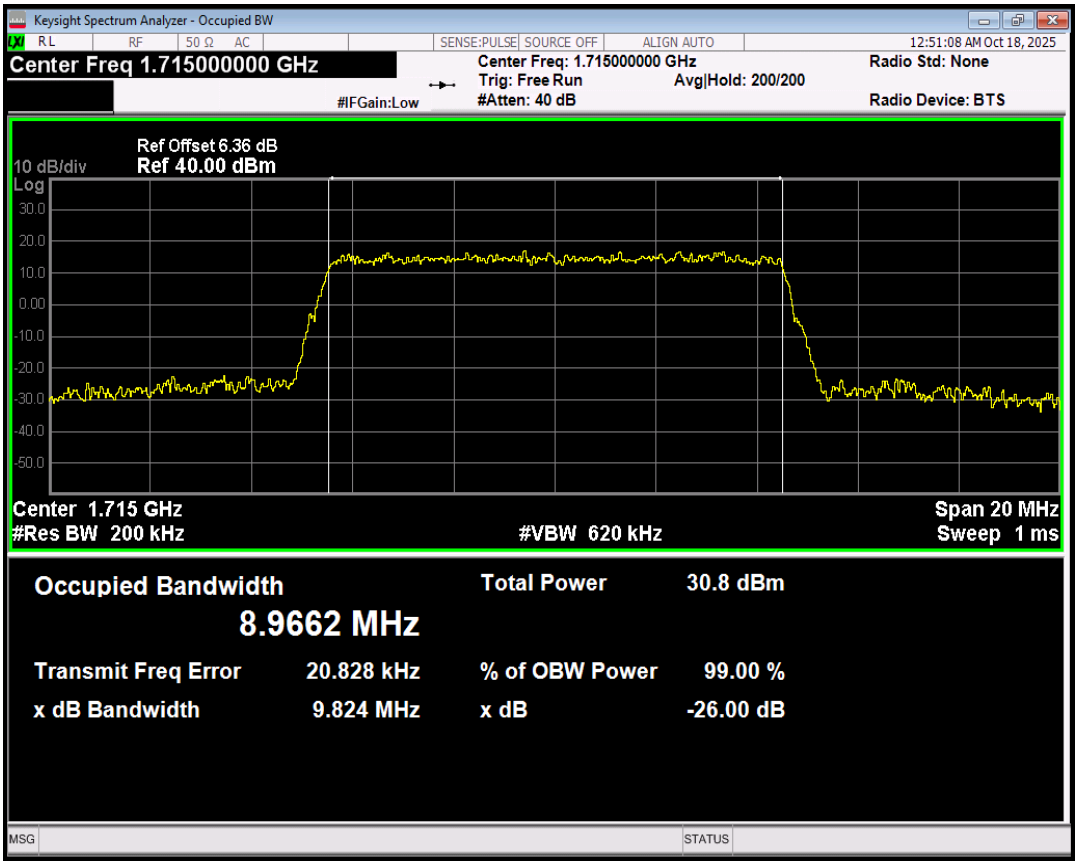
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT



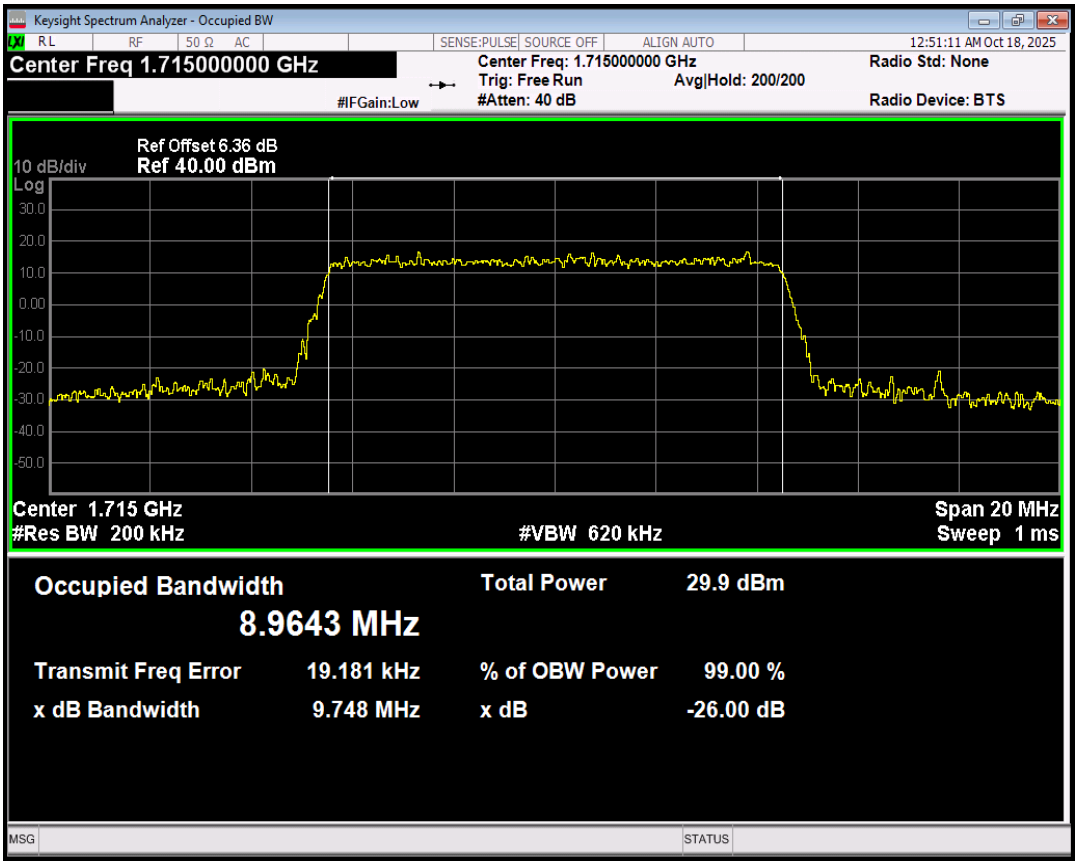
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



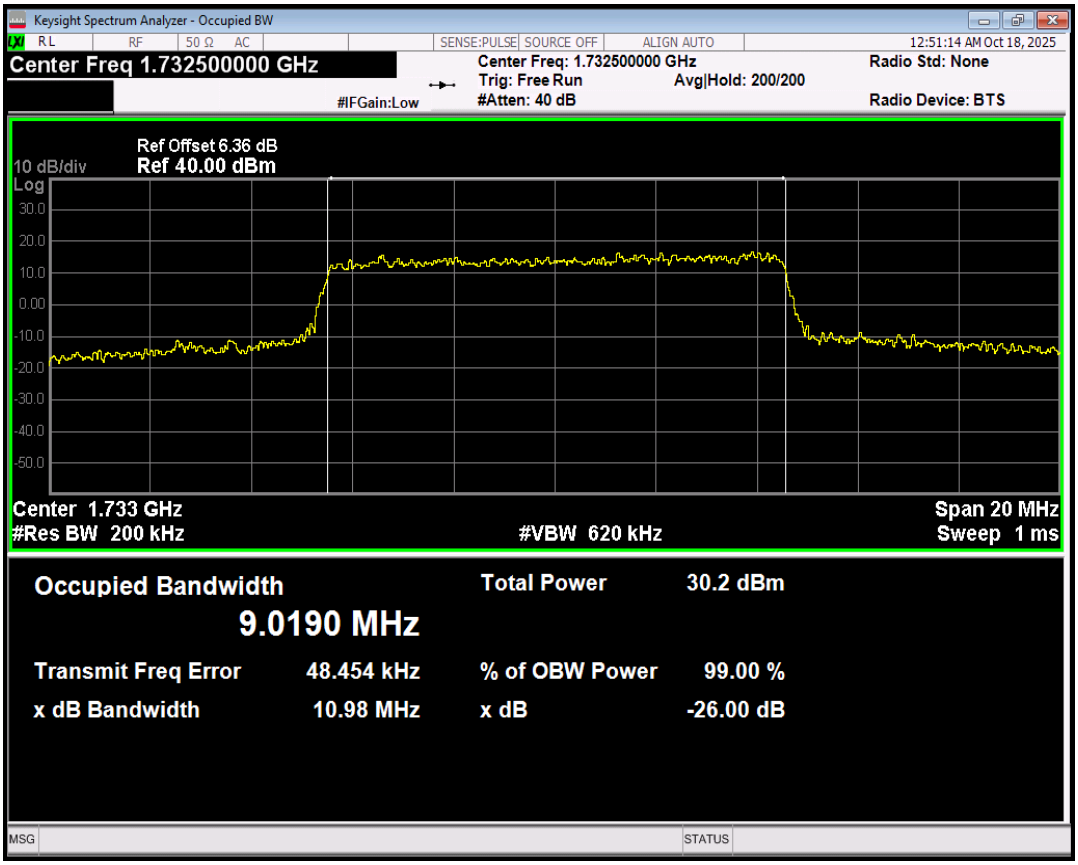
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



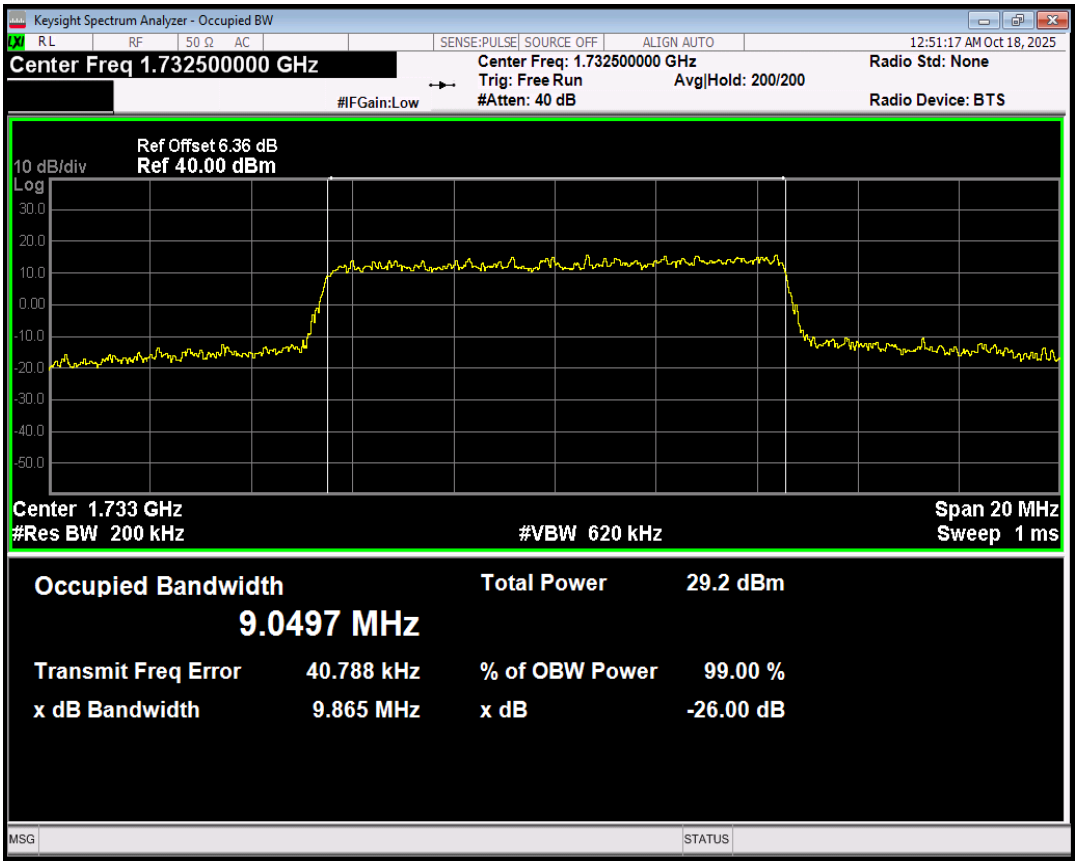
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



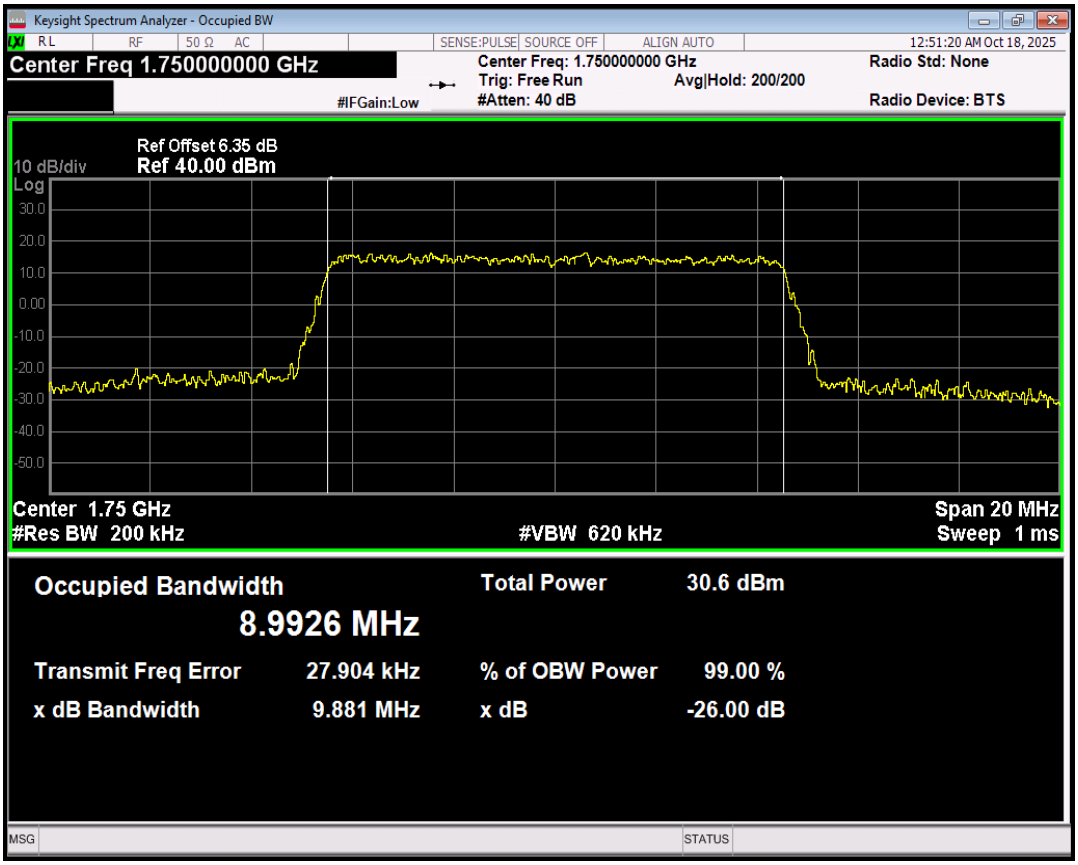
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



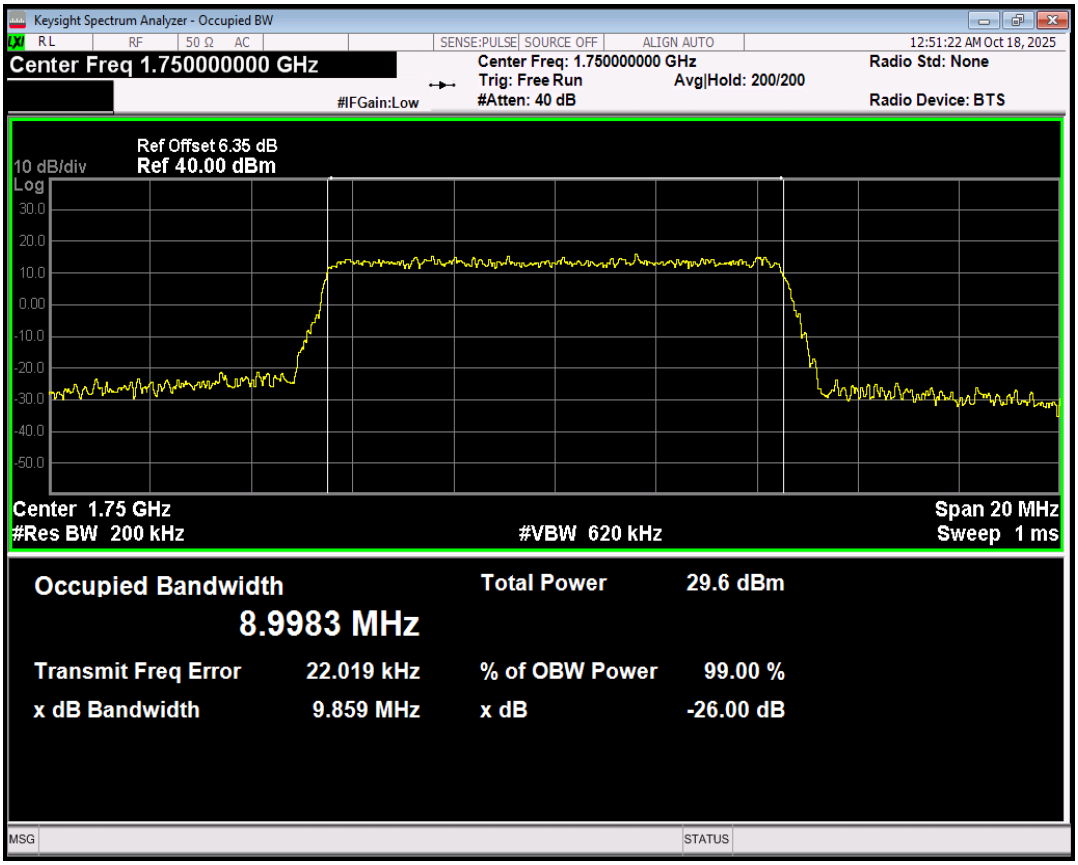
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



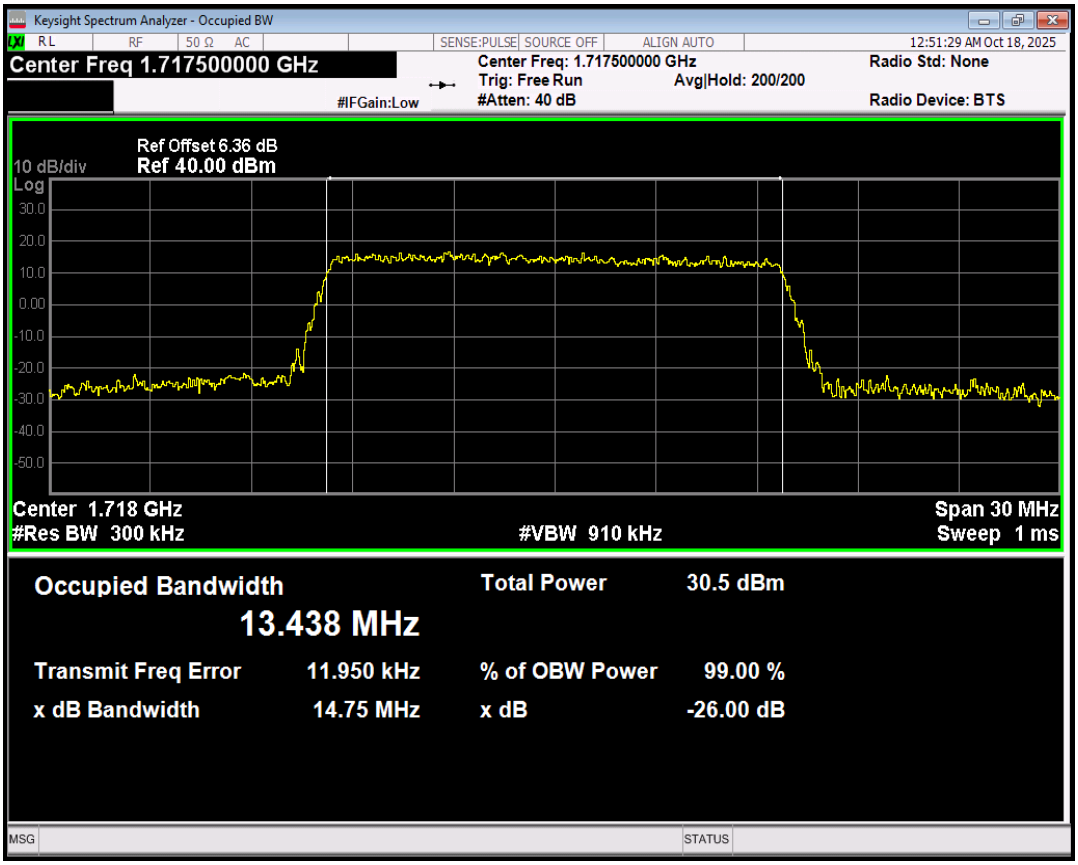
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



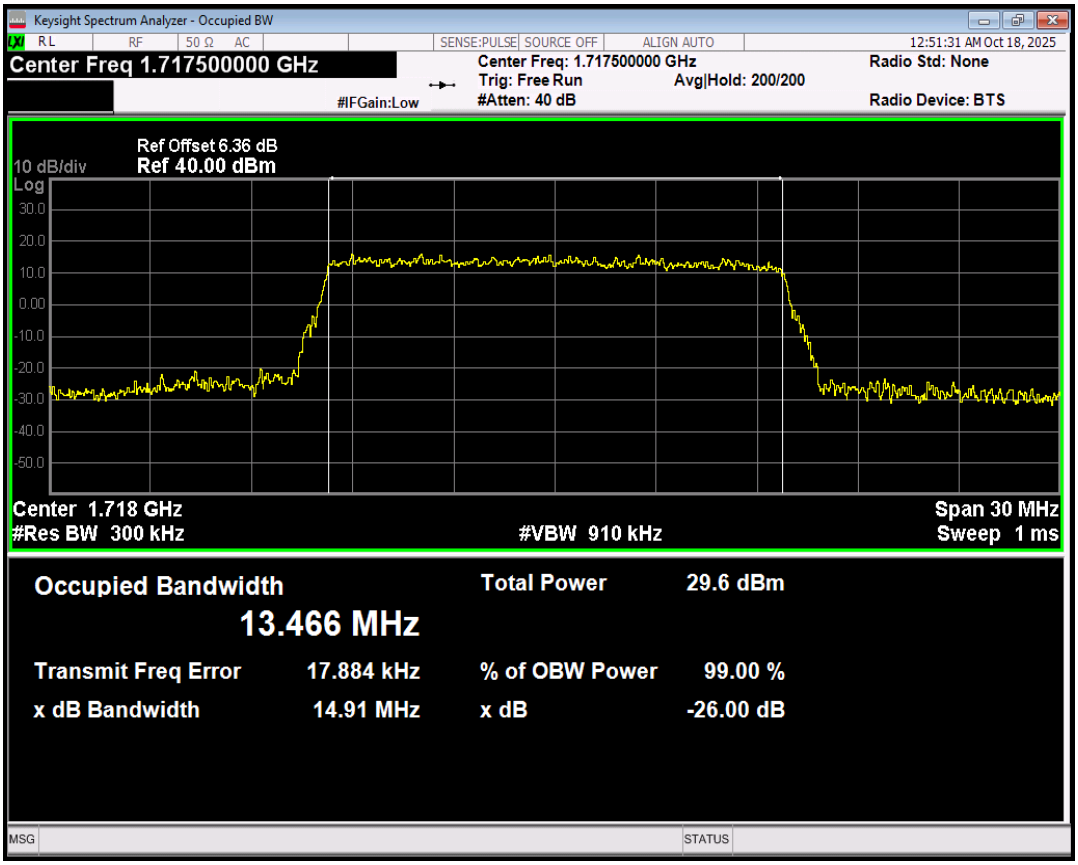
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



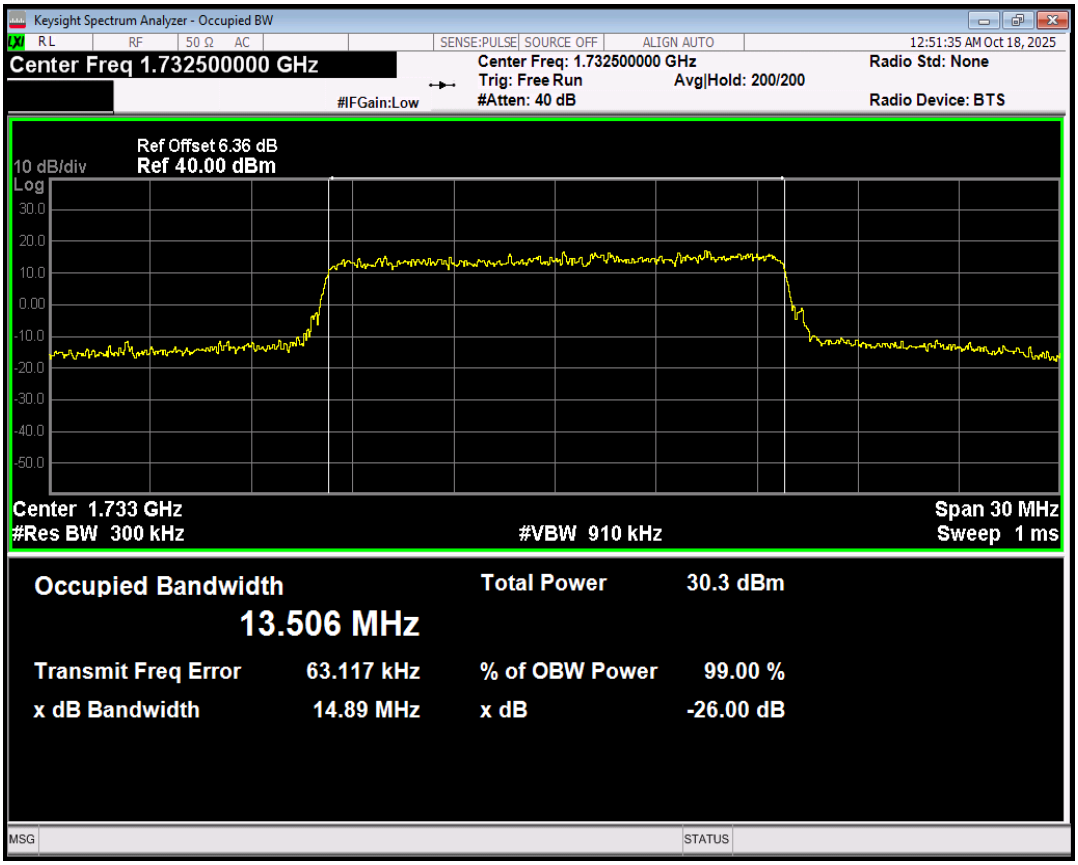
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



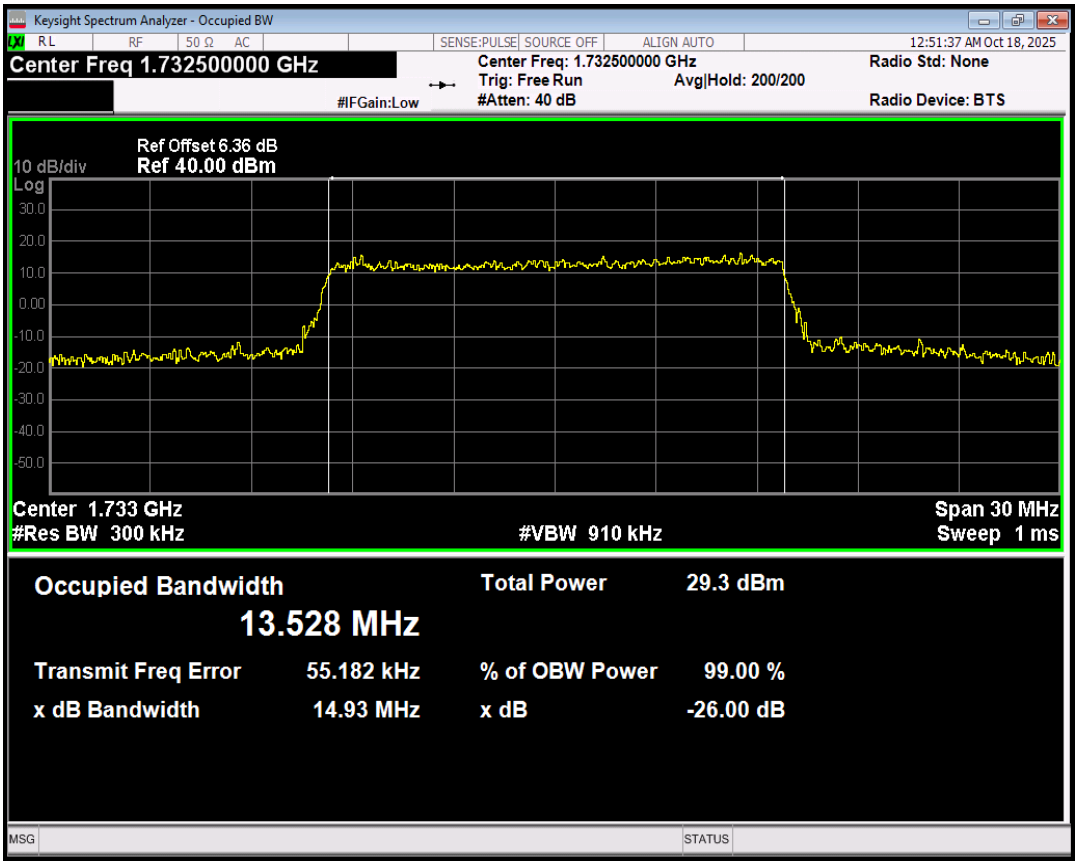
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



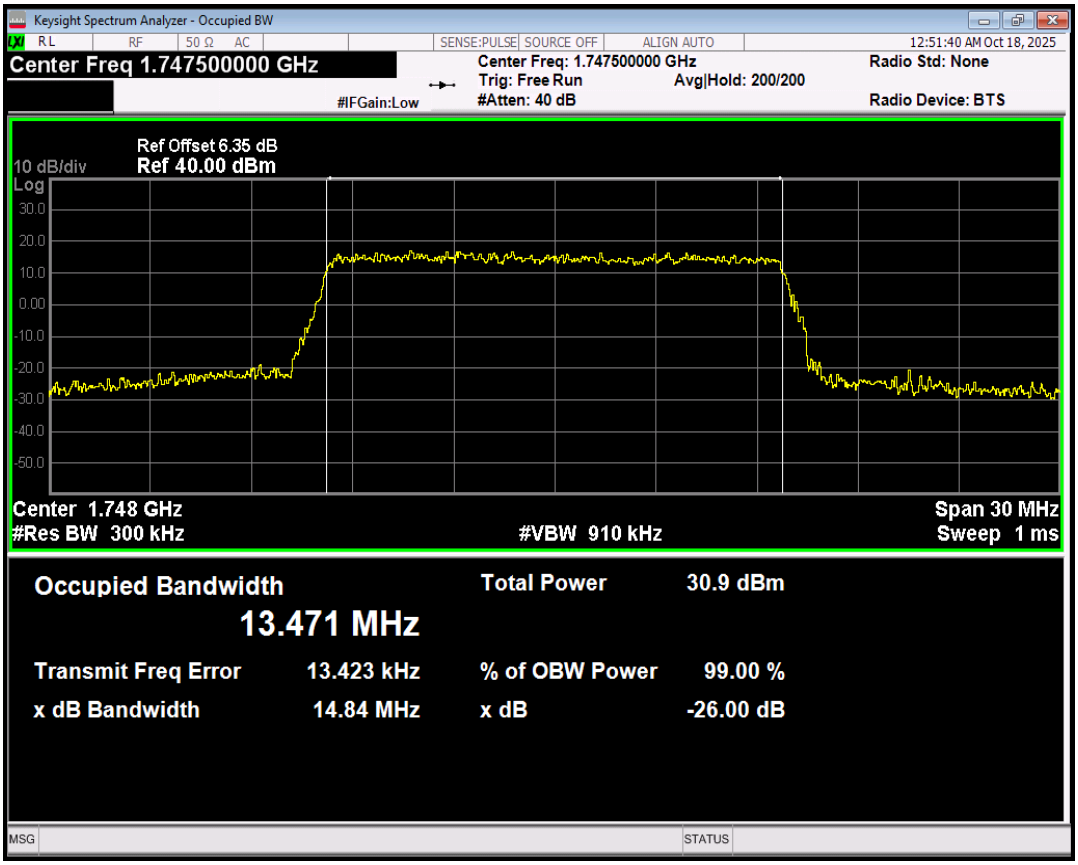
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



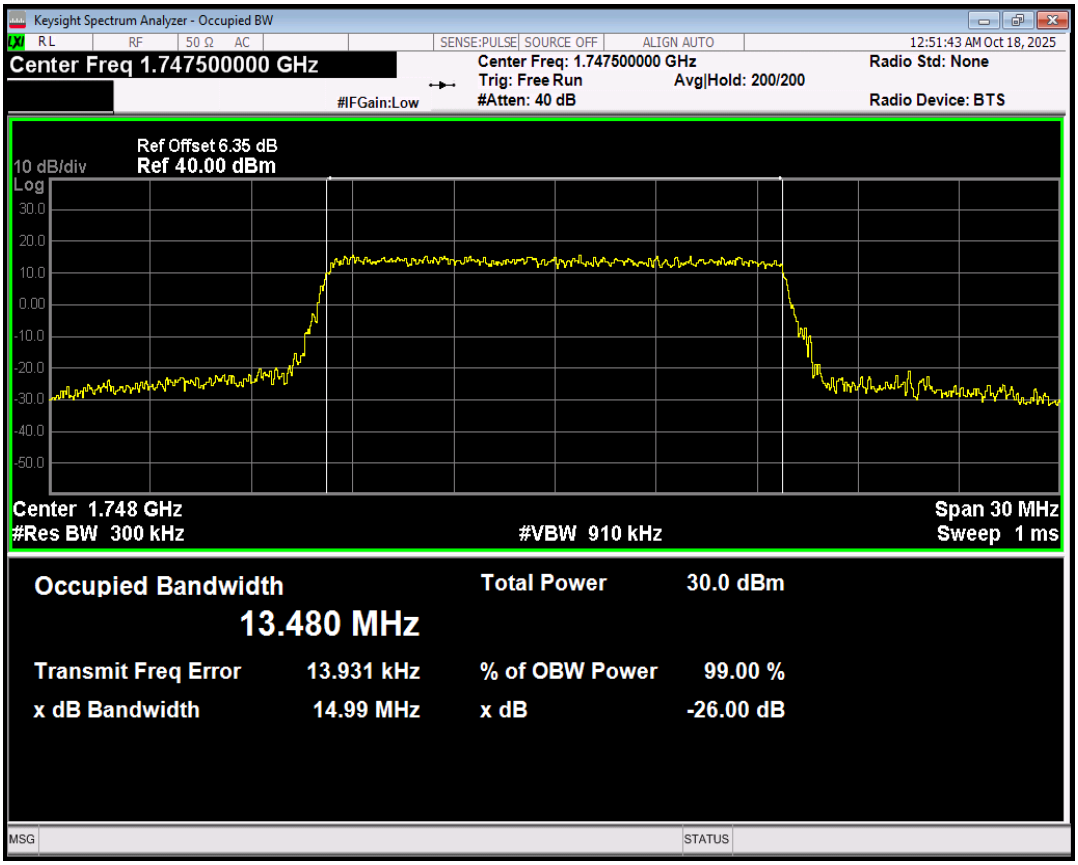
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



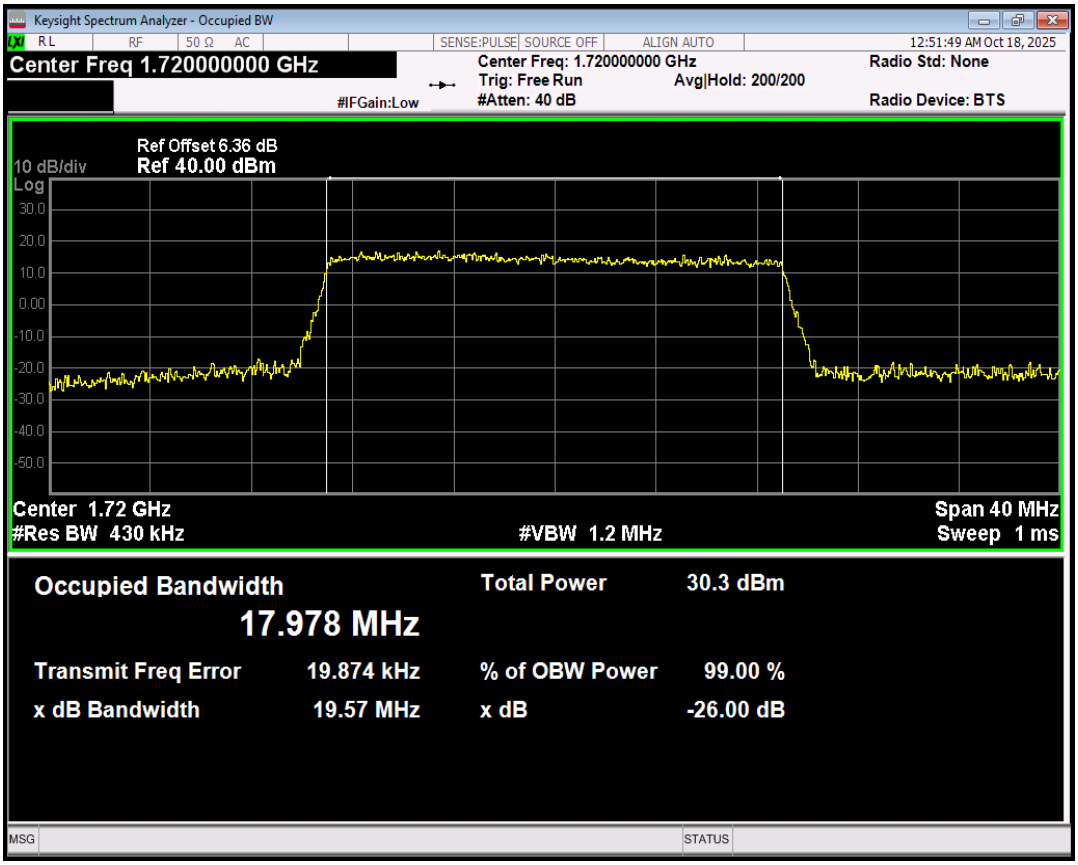
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



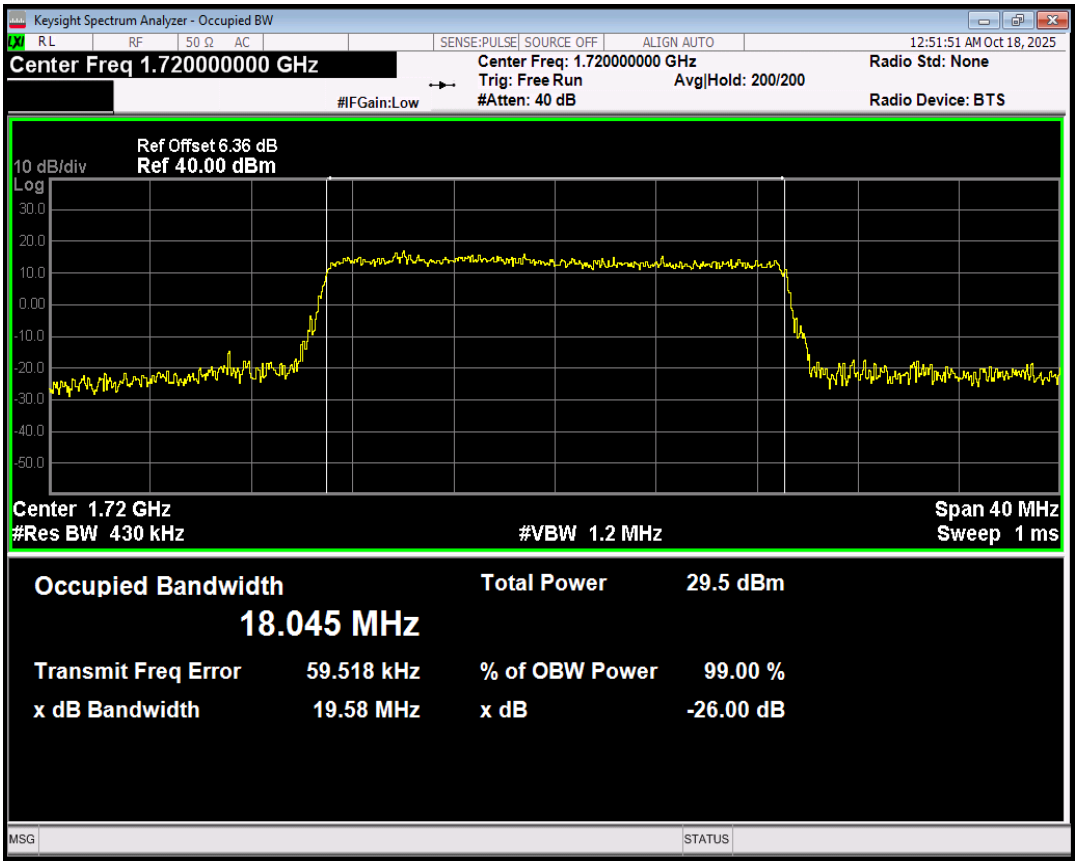
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



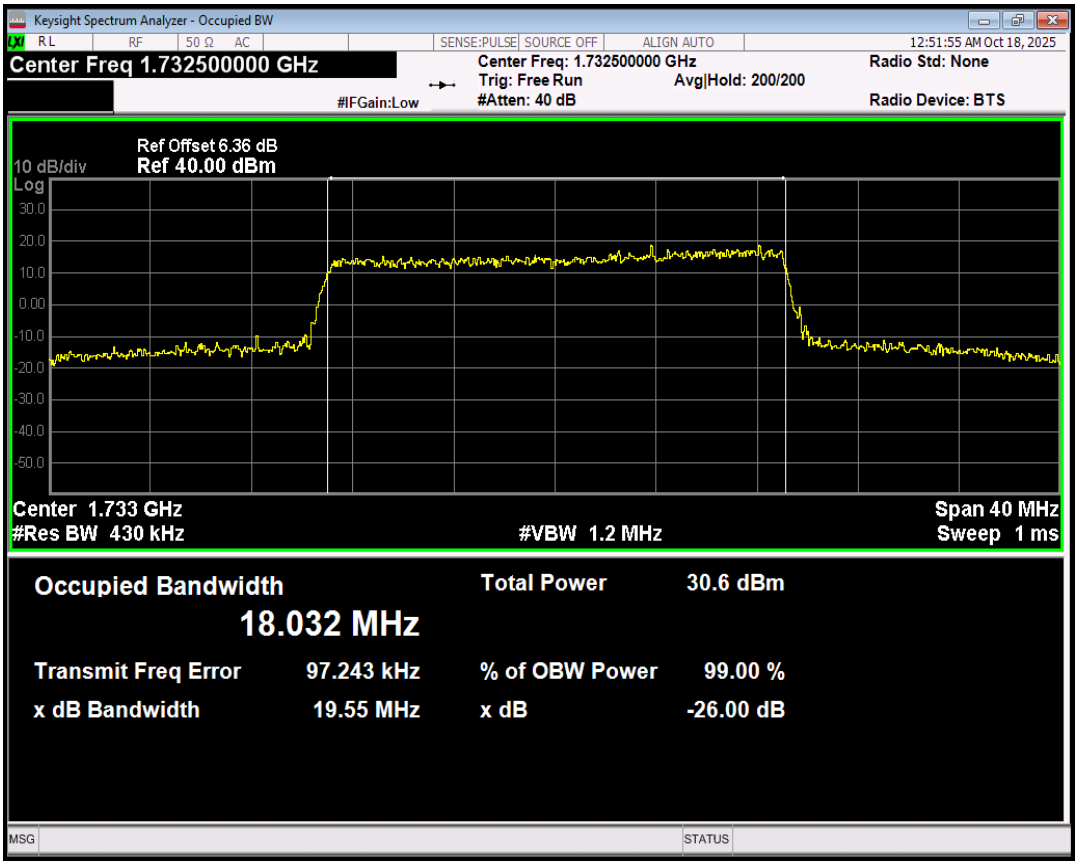
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



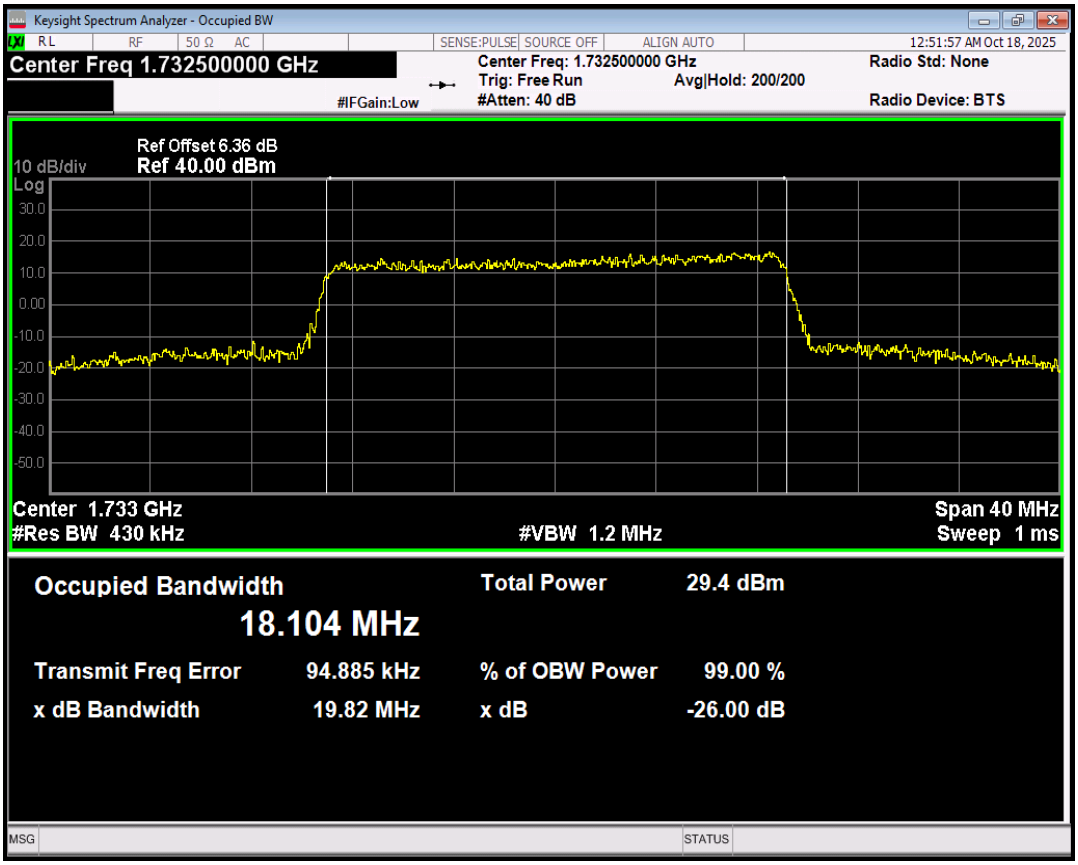
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



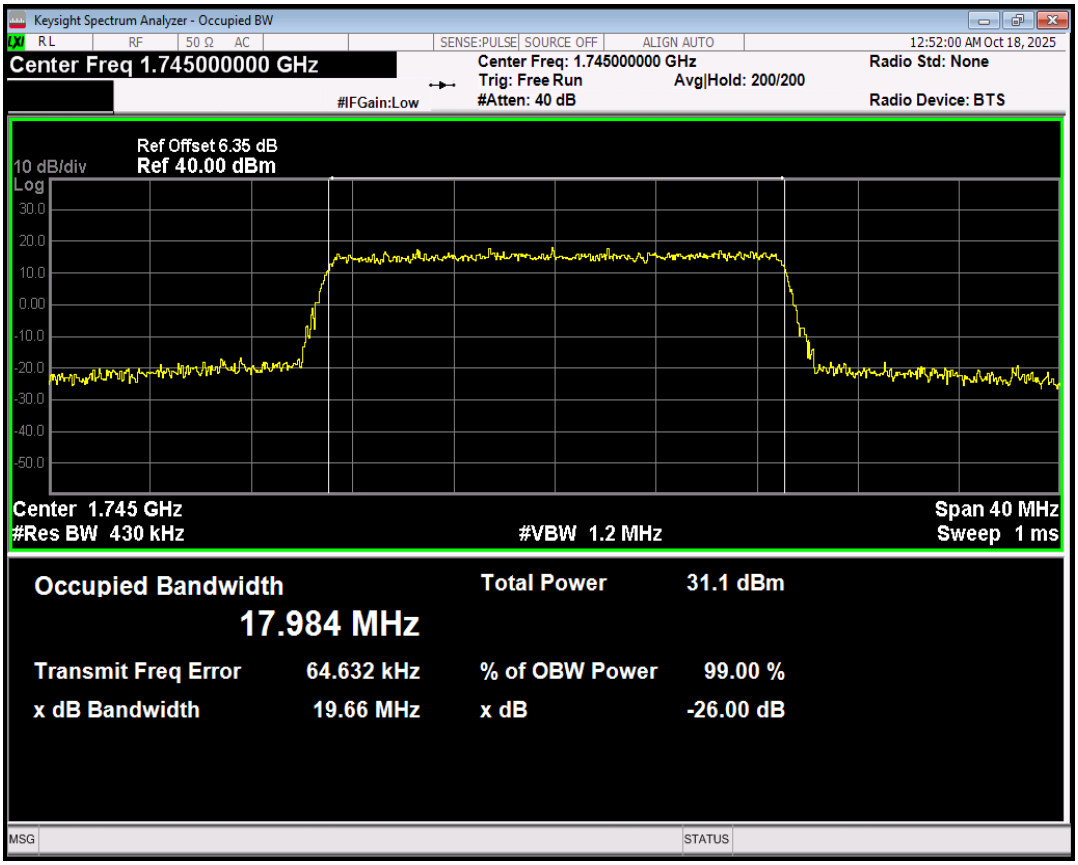
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



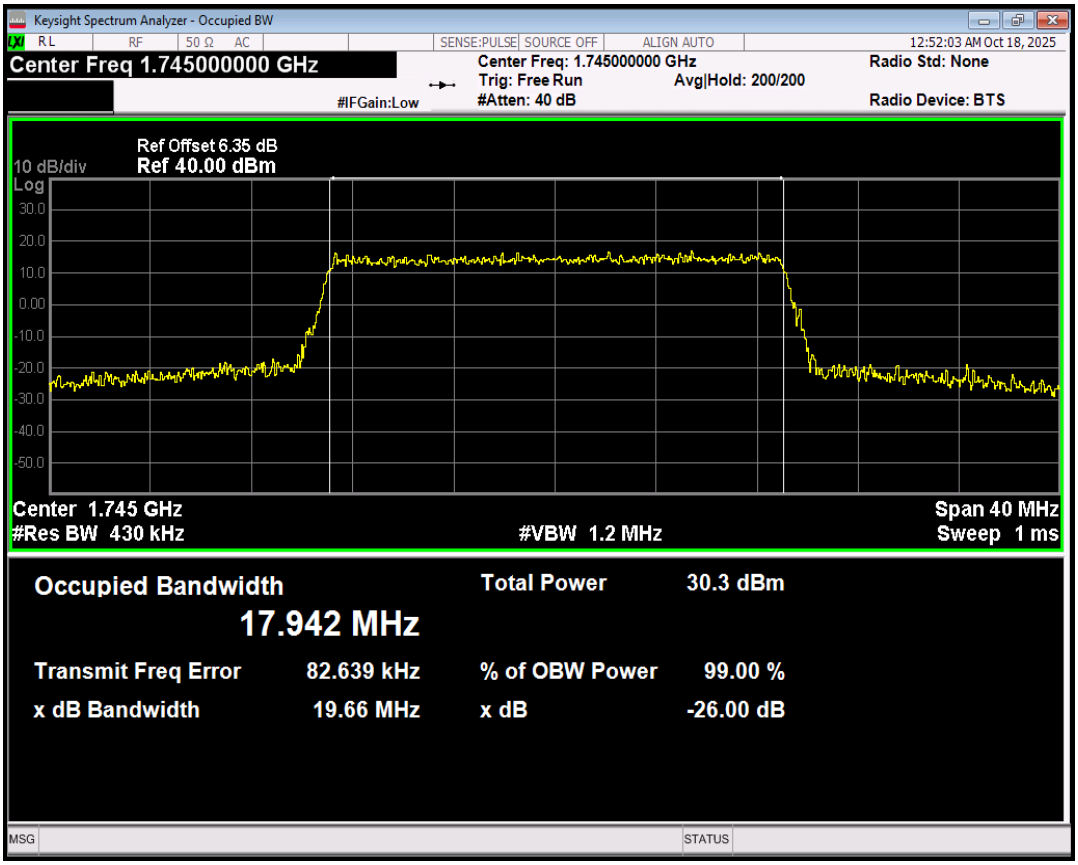
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



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



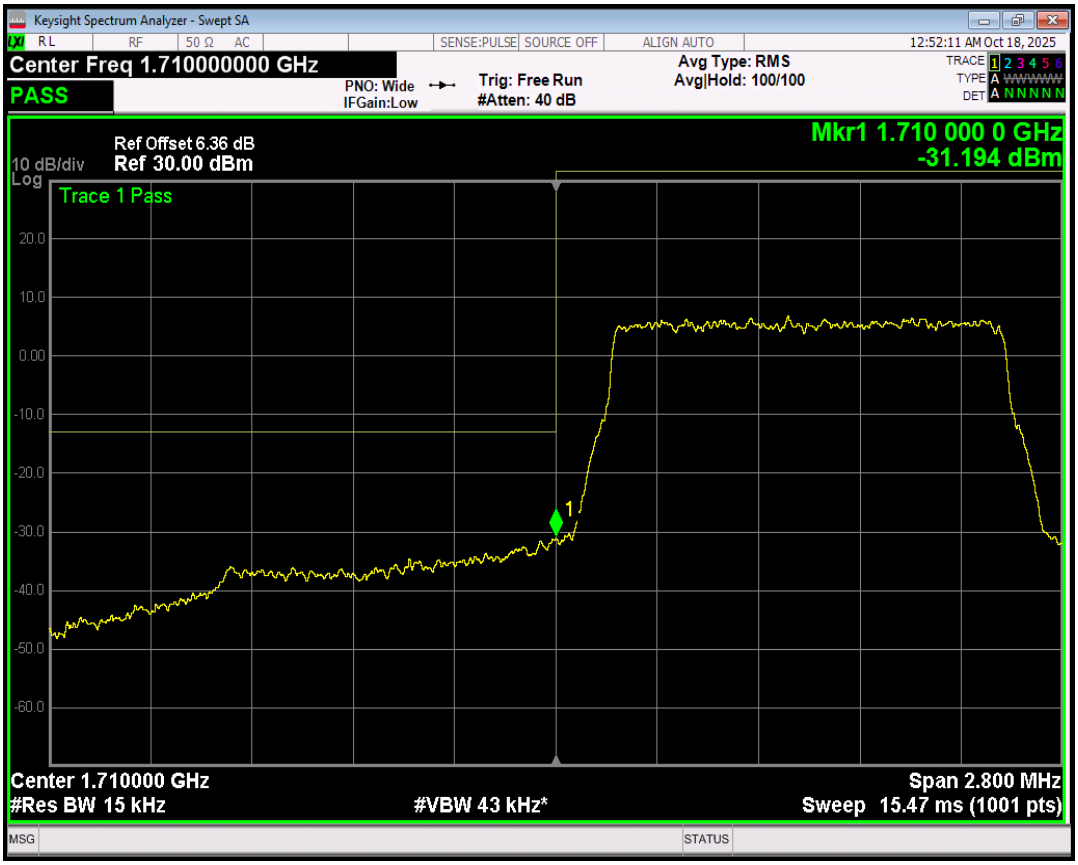
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT



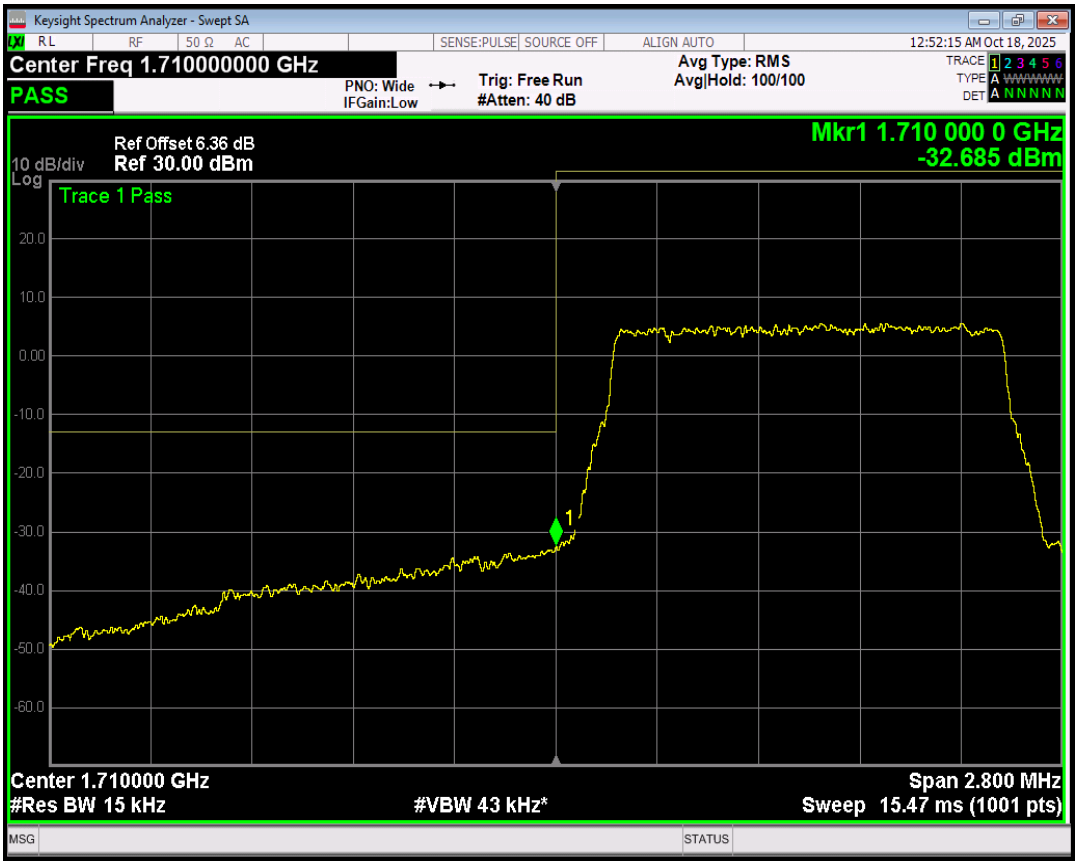
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT

Appendix 5.Band edge

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	1710.00	-31.19	-13	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	1710.00	-32.68	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1755.01	-33.48	-13	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	1755.00	-34.52	-13	PASS
NVNT	Band4	3	19965	15	#0	QPSK	1710.00	-23.15	-13	PASS
NVNT	Band4	3	19965	15	#0	16QAM	1710.00	-25.00	-13	PASS
NVNT	Band4	3	20385	15	#0	QPSK	1755.00	-26.59	-13	PASS
NVNT	Band4	3	20385	15	#0	16QAM	1755.00	-25.01	-13	PASS
NVNT	Band4	5	19975	25	#0	QPSK	1710.00	-30.98	-13	PASS
NVNT	Band4	5	19975	25	#0	16QAM	1710.00	-30.63	-13	PASS
NVNT	Band4	5	20375	25	#0	QPSK	1755.00	-31.78	-13	PASS
NVNT	Band4	5	20375	25	#0	16QAM	1755.00	-32.24	-13	PASS
NVNT	Band4	10	20000	50	#0	QPSK	1710.00	-33.84	-13	PASS
NVNT	Band4	10	20000	50	#0	16QAM	1710.00	-35.15	-13	PASS
NVNT	Band4	10	20350	50	#0	QPSK	1755.00	-33.77	-13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	1755.00	-33.13	-13	PASS
NVNT	Band4	15	20025	75	#0	QPSK	1710.00	-32.67	-13	PASS
NVNT	Band4	15	20025	75	#0	16QAM	1710.00	-32.43	-13	PASS
NVNT	Band4	15	20325	75	#0	QPSK	1755.09	-32.60	-13	PASS
NVNT	Band4	15	20325	75	#0	16QAM	1755.00	-31.35	-13	PASS
NVNT	Band4	20	20050	100	#0	QPSK	1709.80	-32.96	-13	PASS
NVNT	Band4	20	20050	100	#0	16QAM	1709.92	-33.84	-13	PASS
NVNT	Band4	20	20300	100	#0	QPSK	1755.00	-30.79	-13	PASS
NVNT	Band4	20	20300	100	#0	16QAM	1755.00	-35.14	-13	PASS



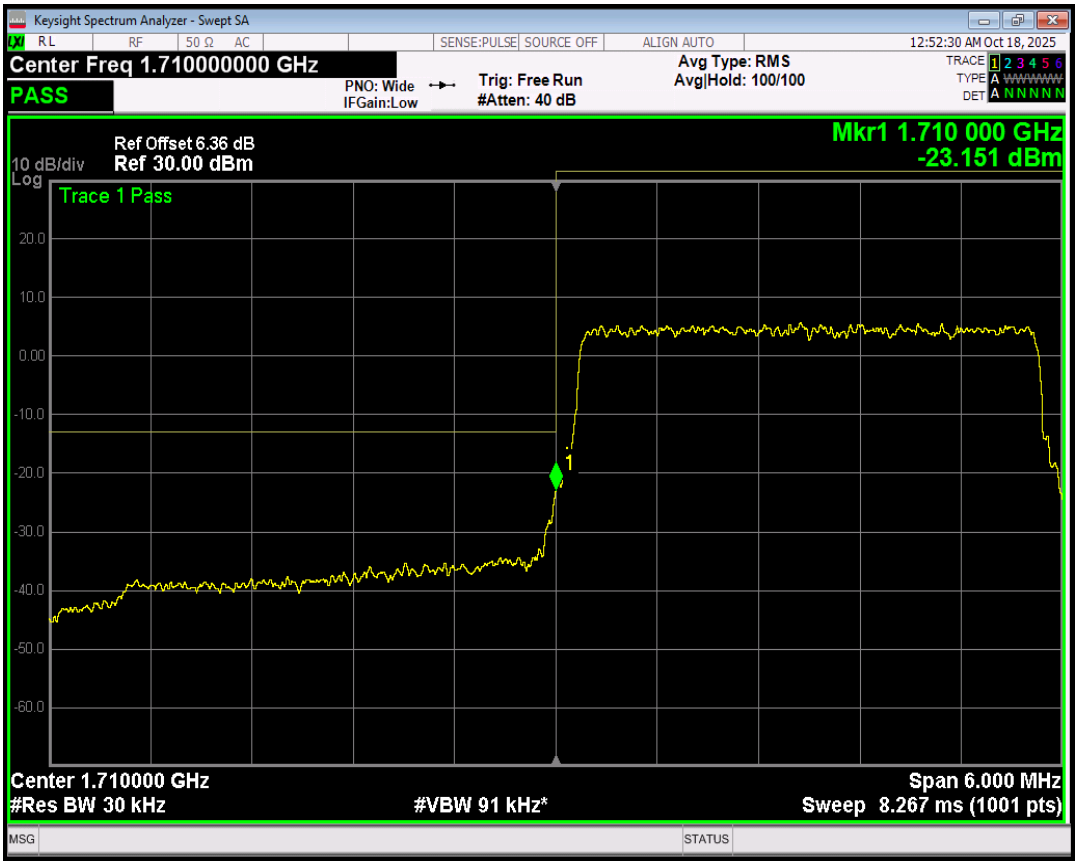
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



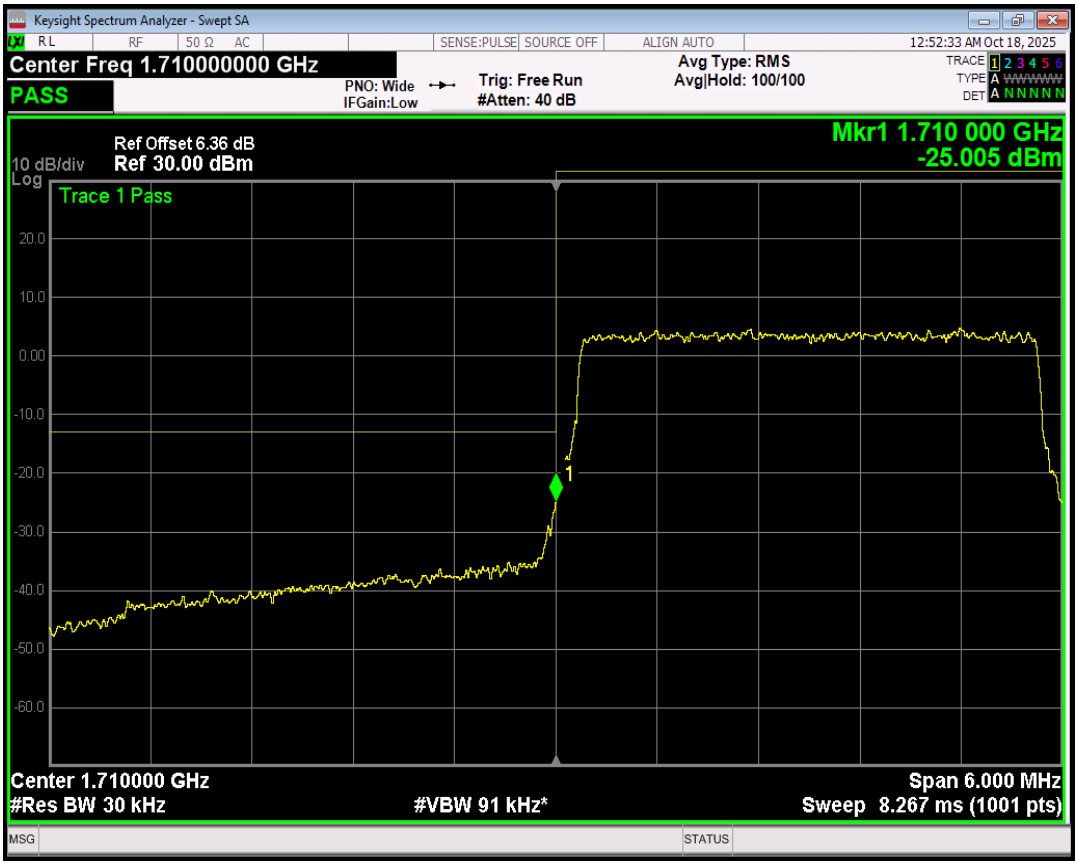
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

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

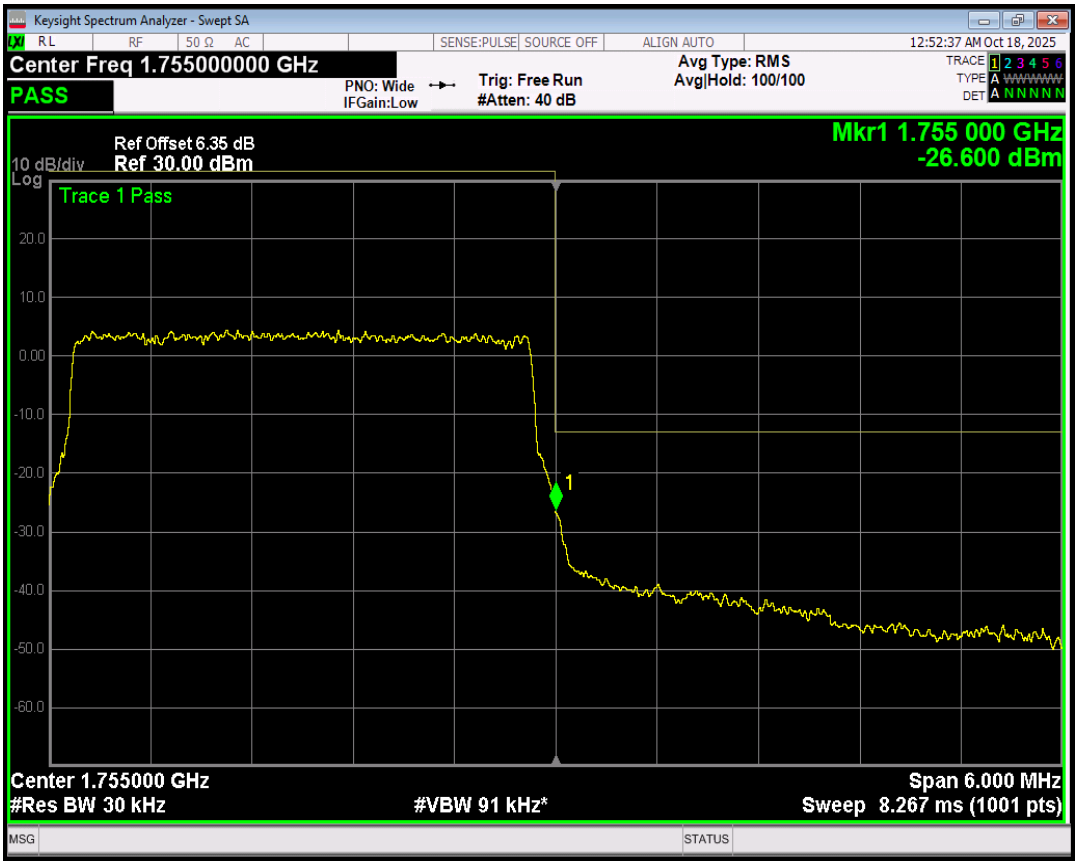
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



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

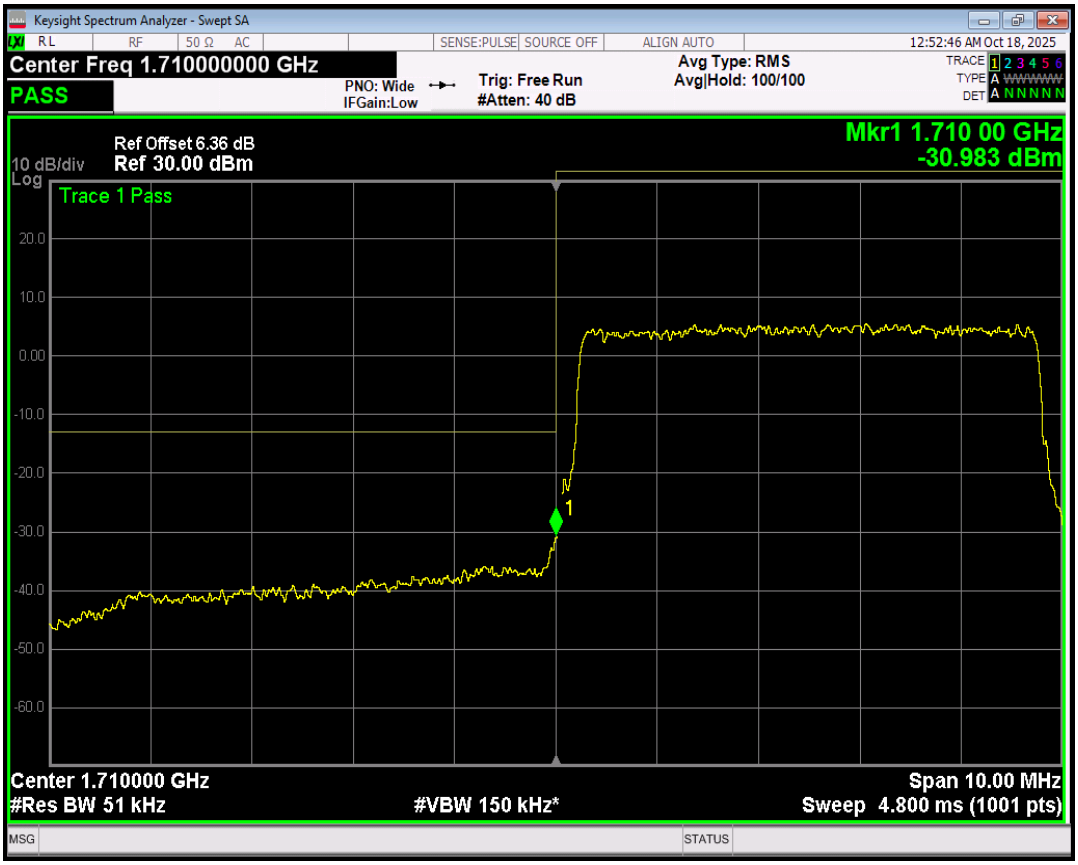


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

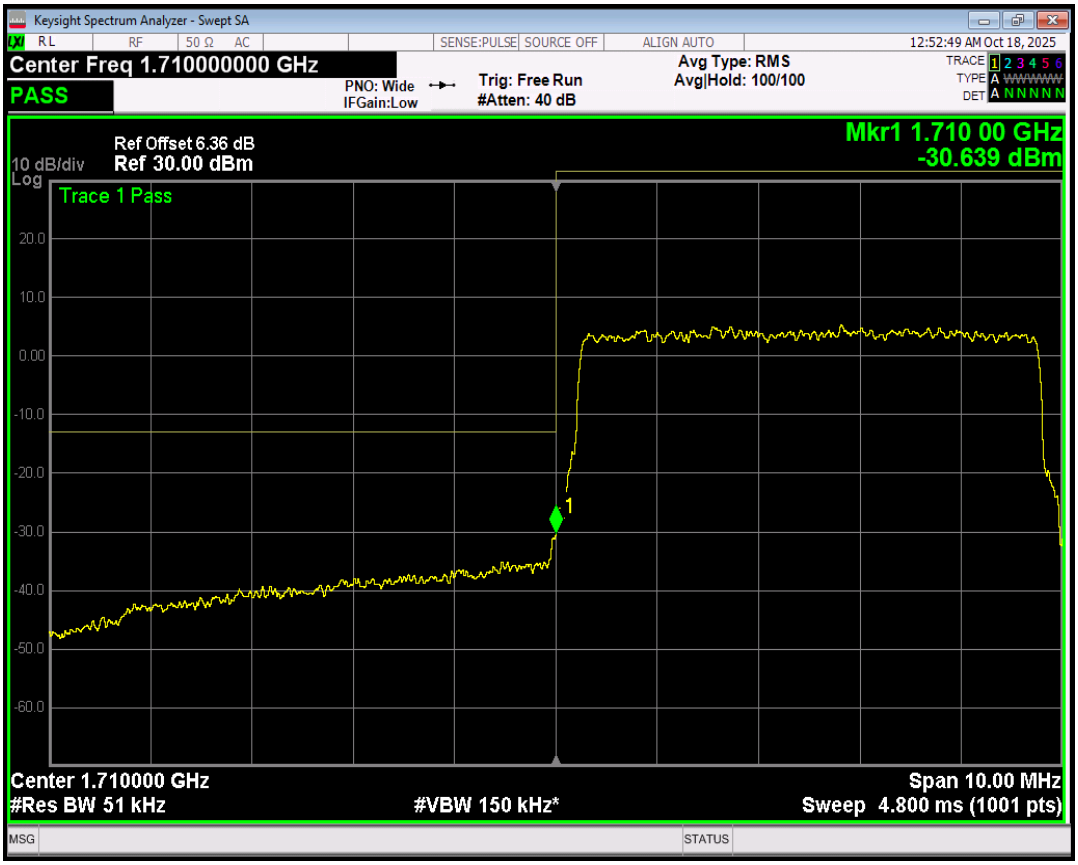


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT

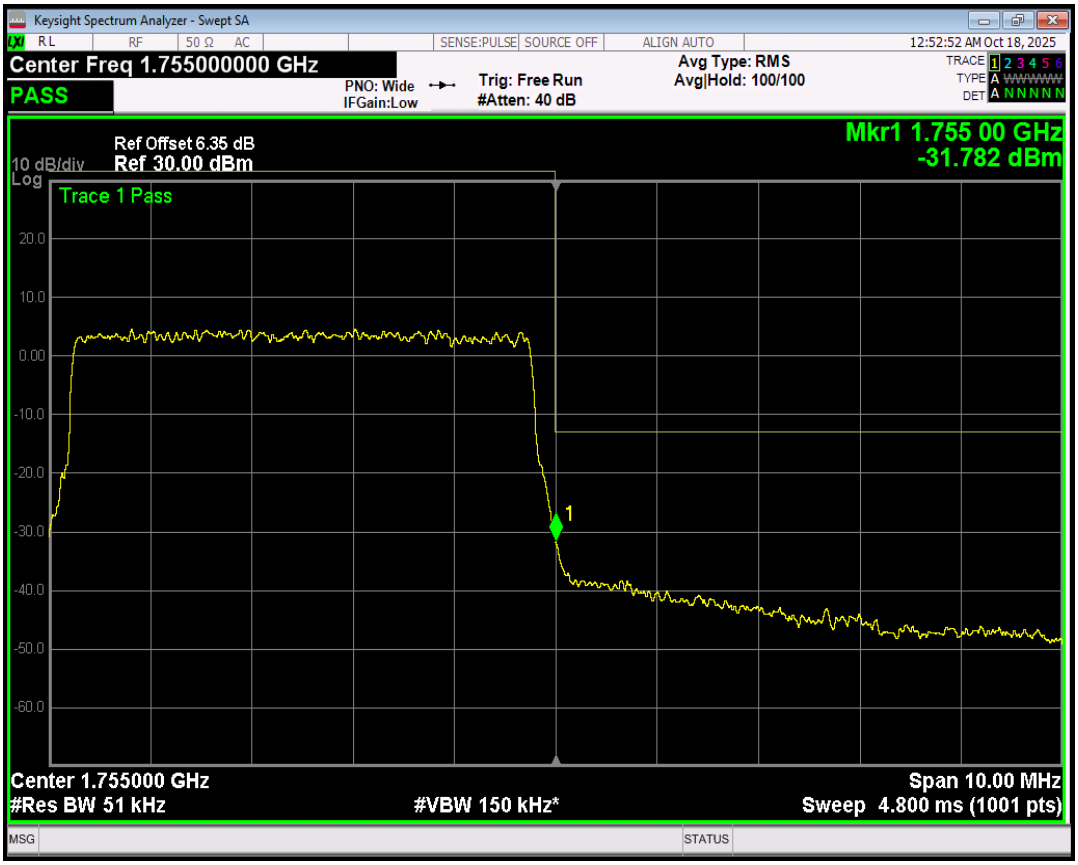
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



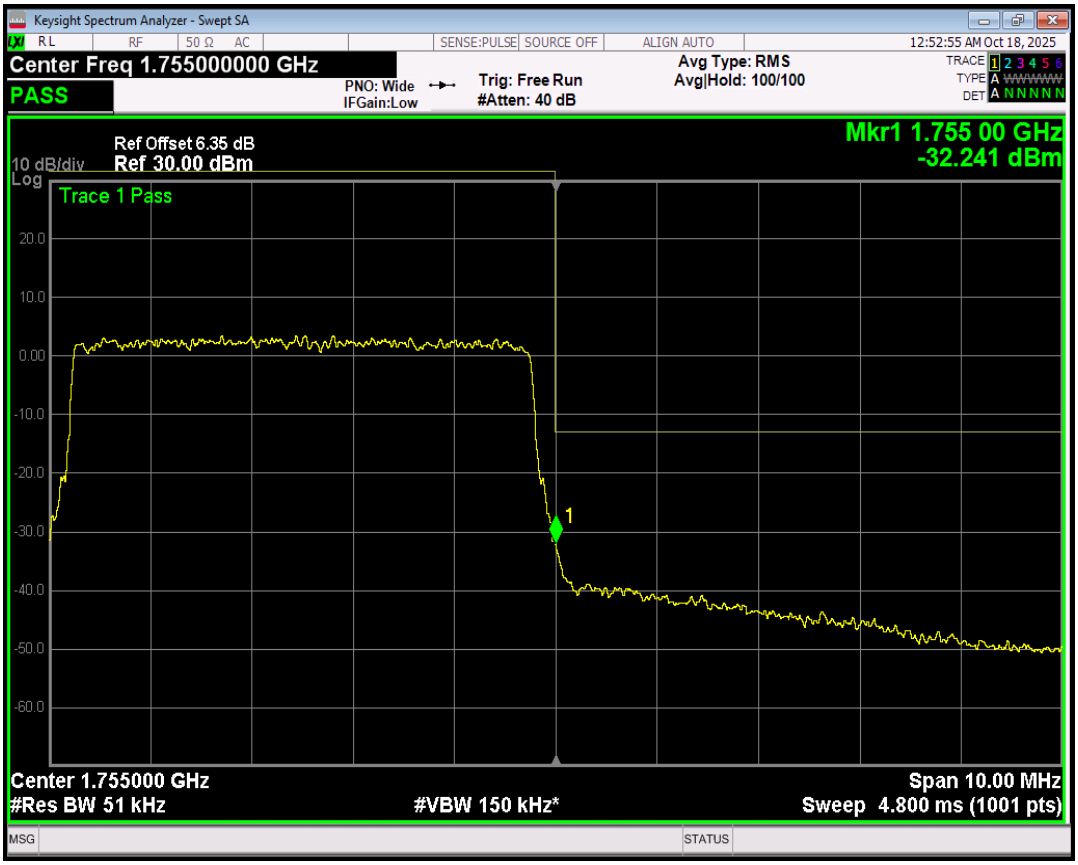
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



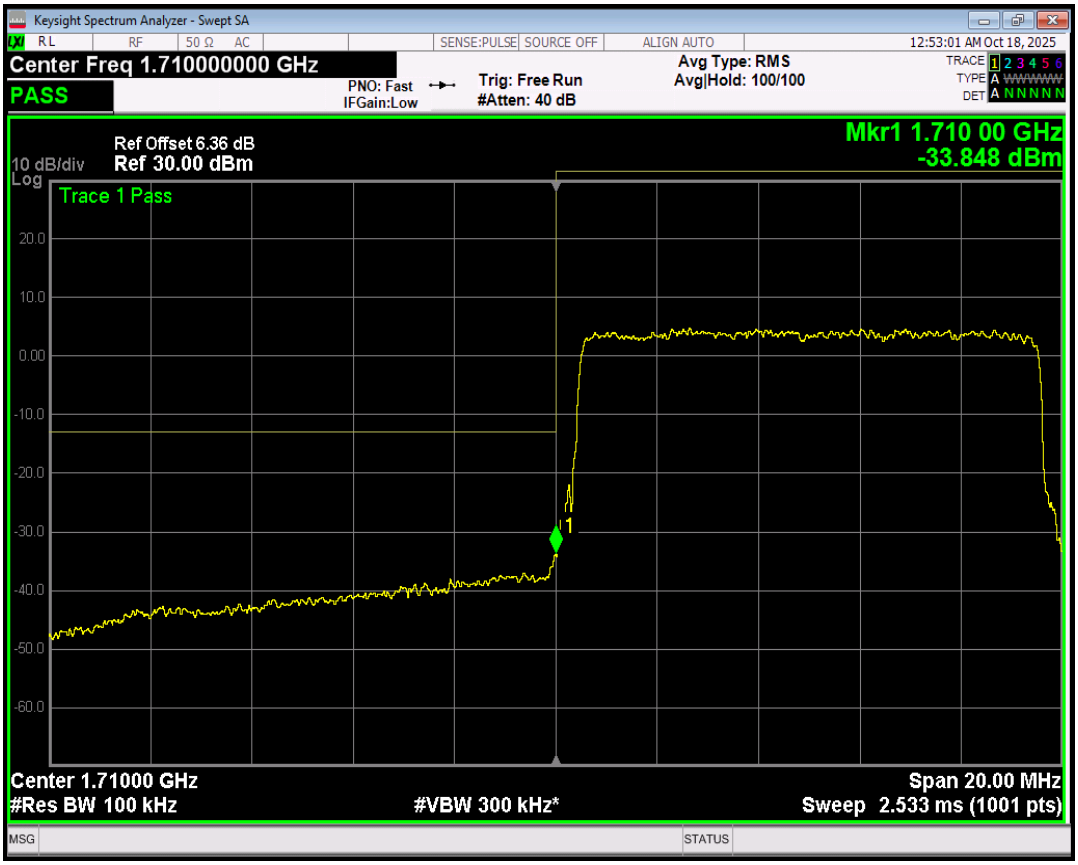
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



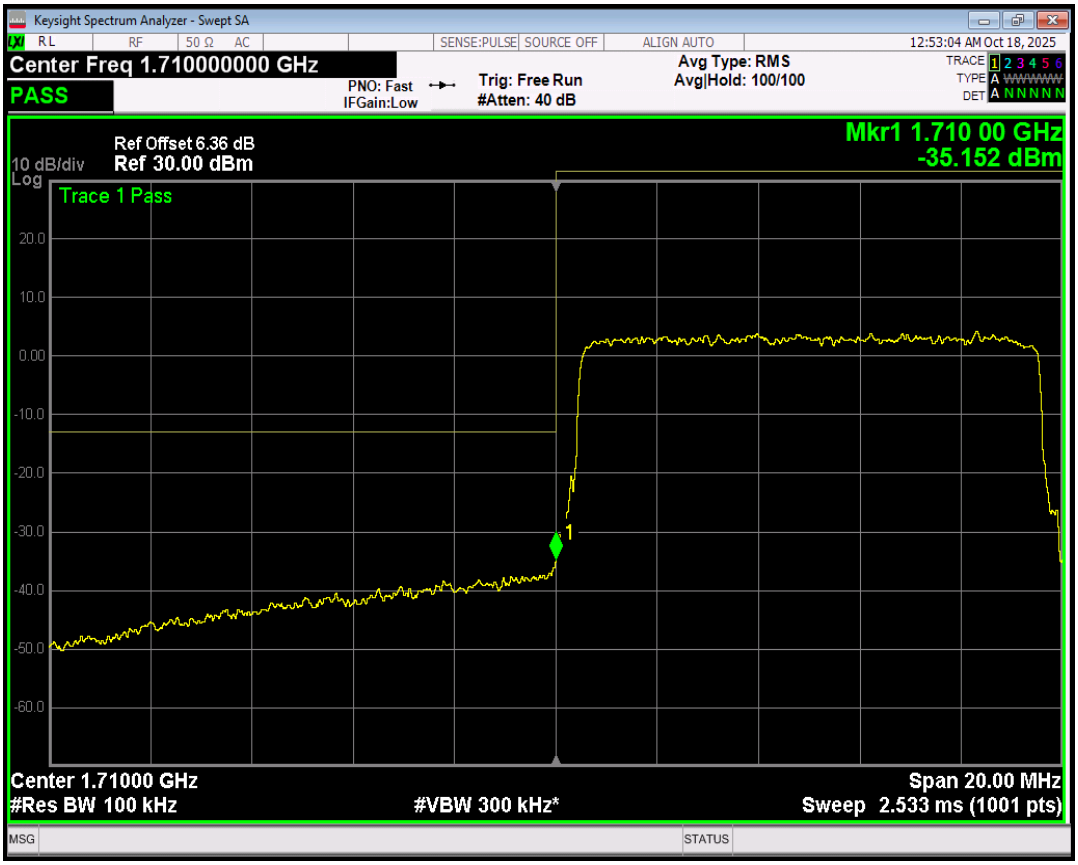
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



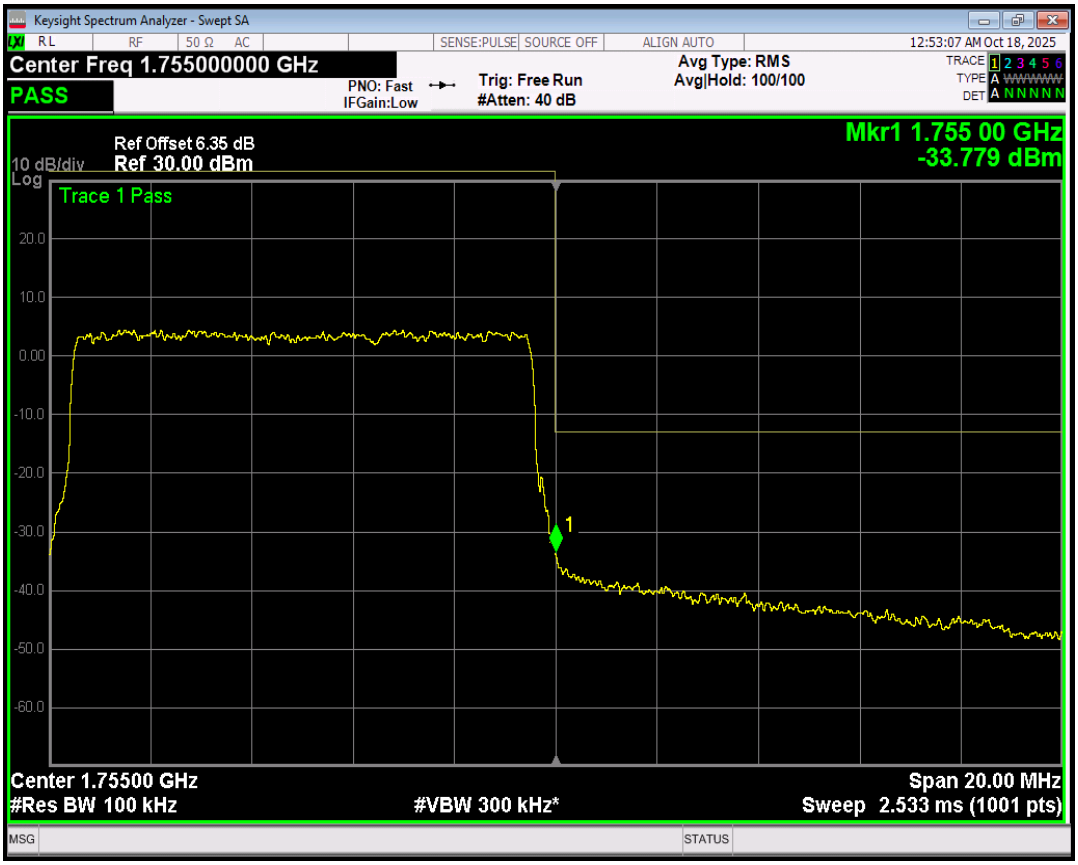
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



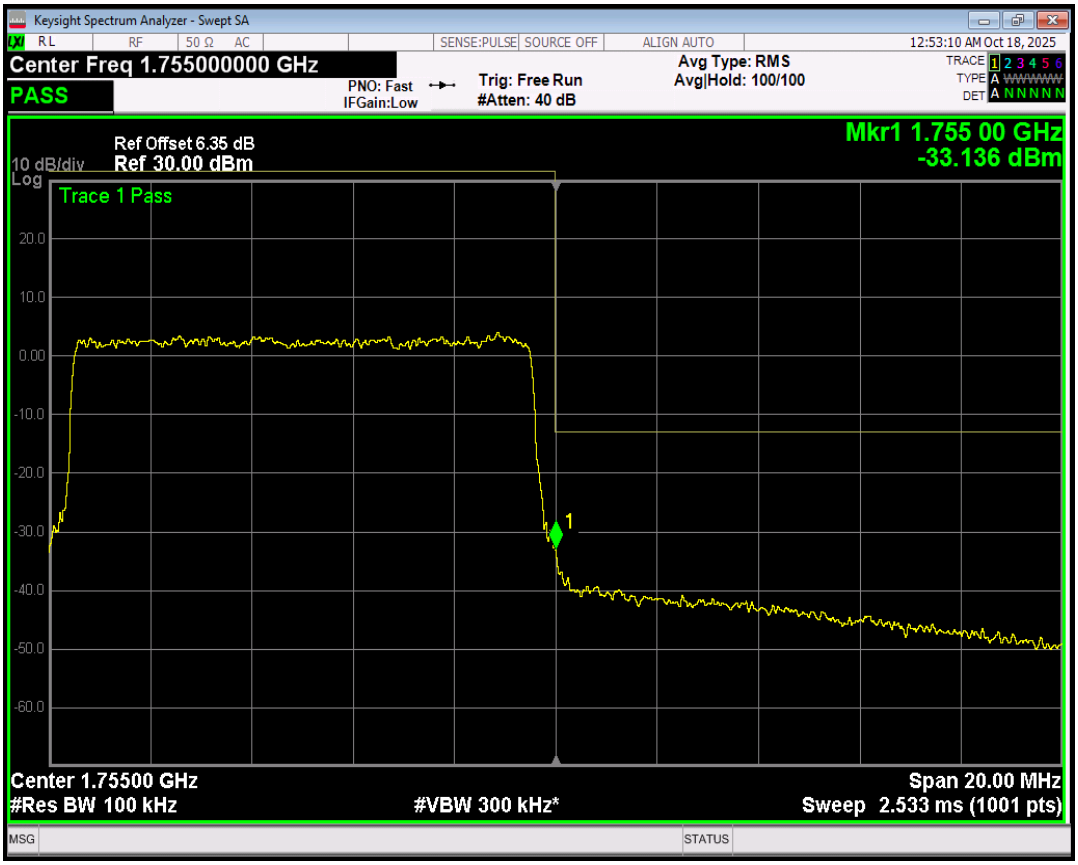
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



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

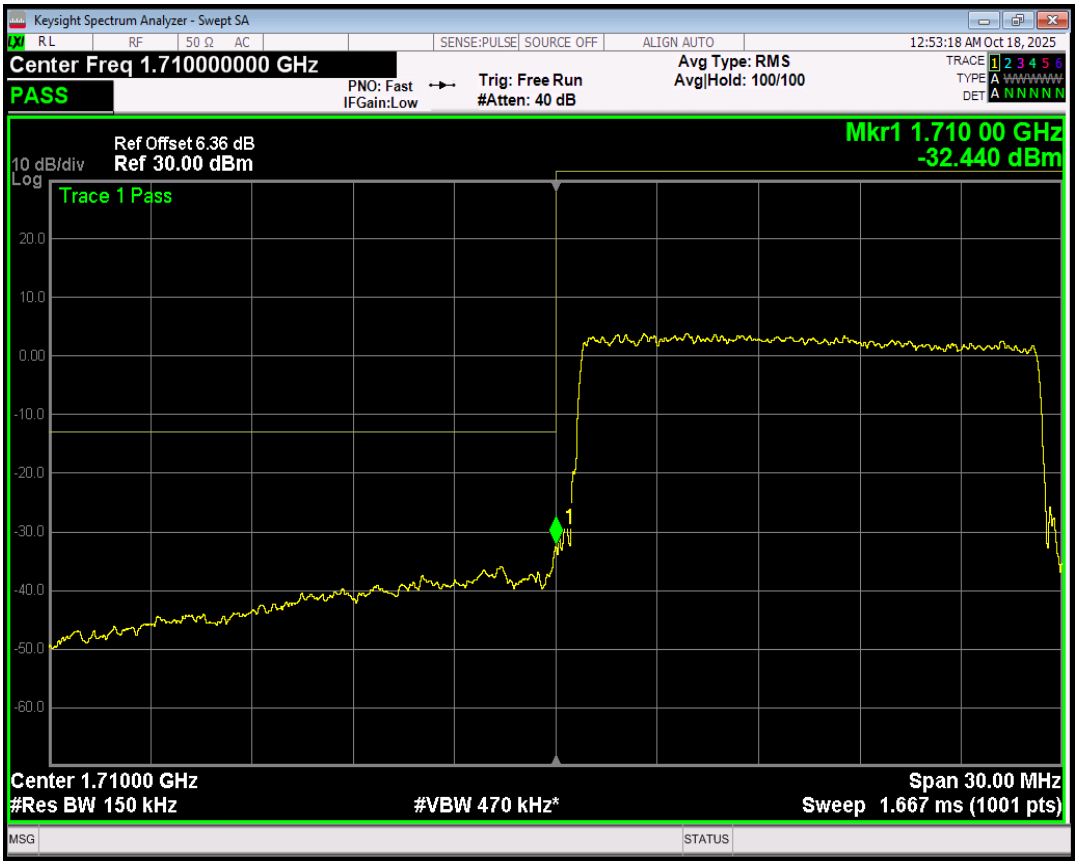


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



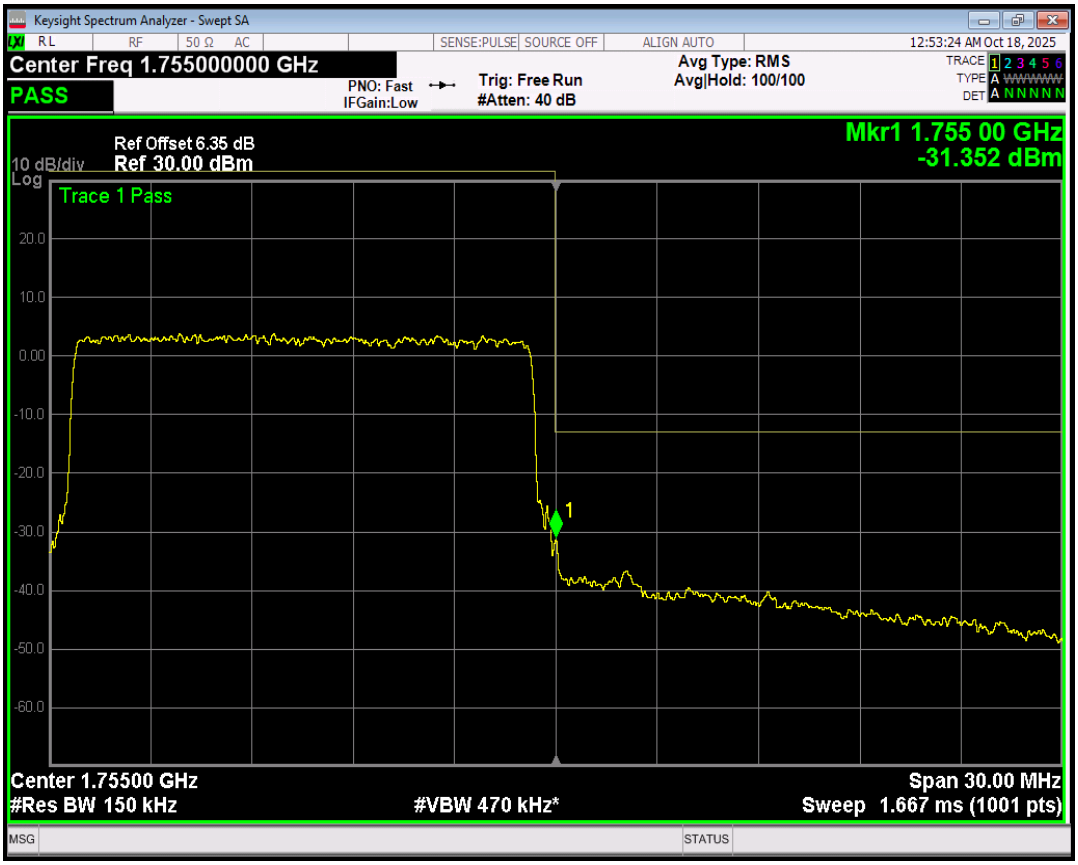
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT

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



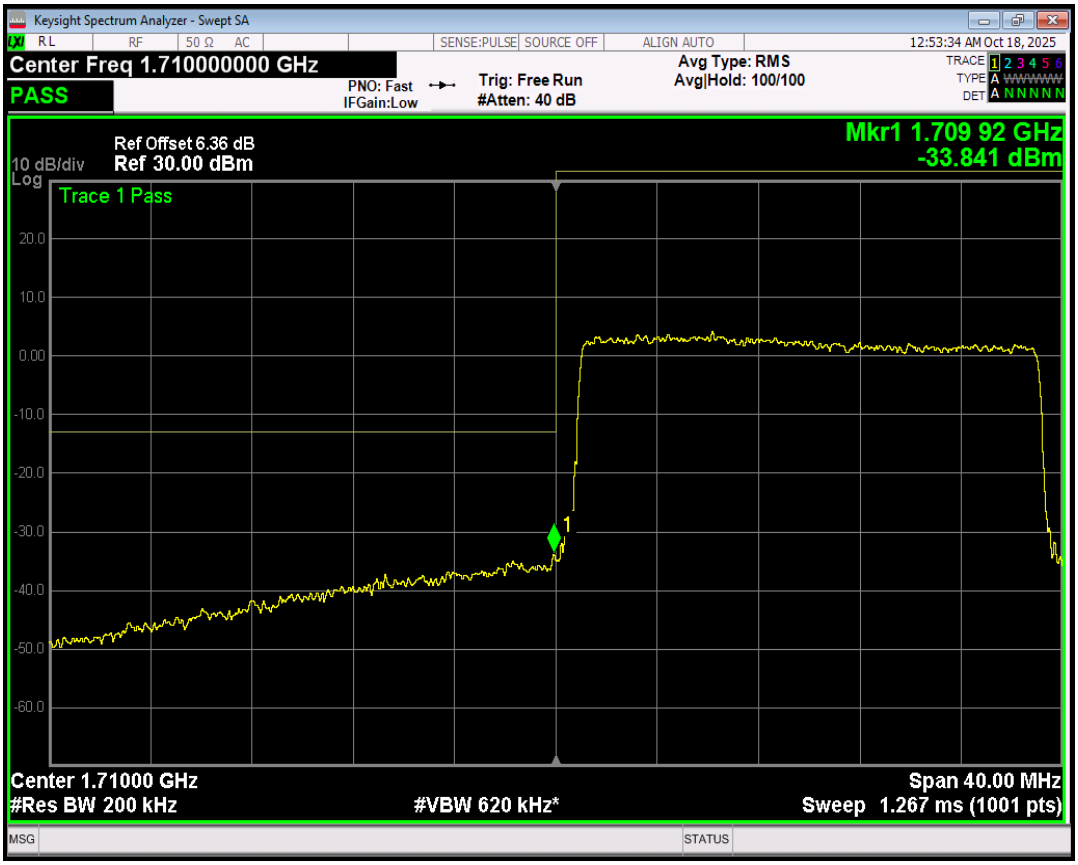
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT

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

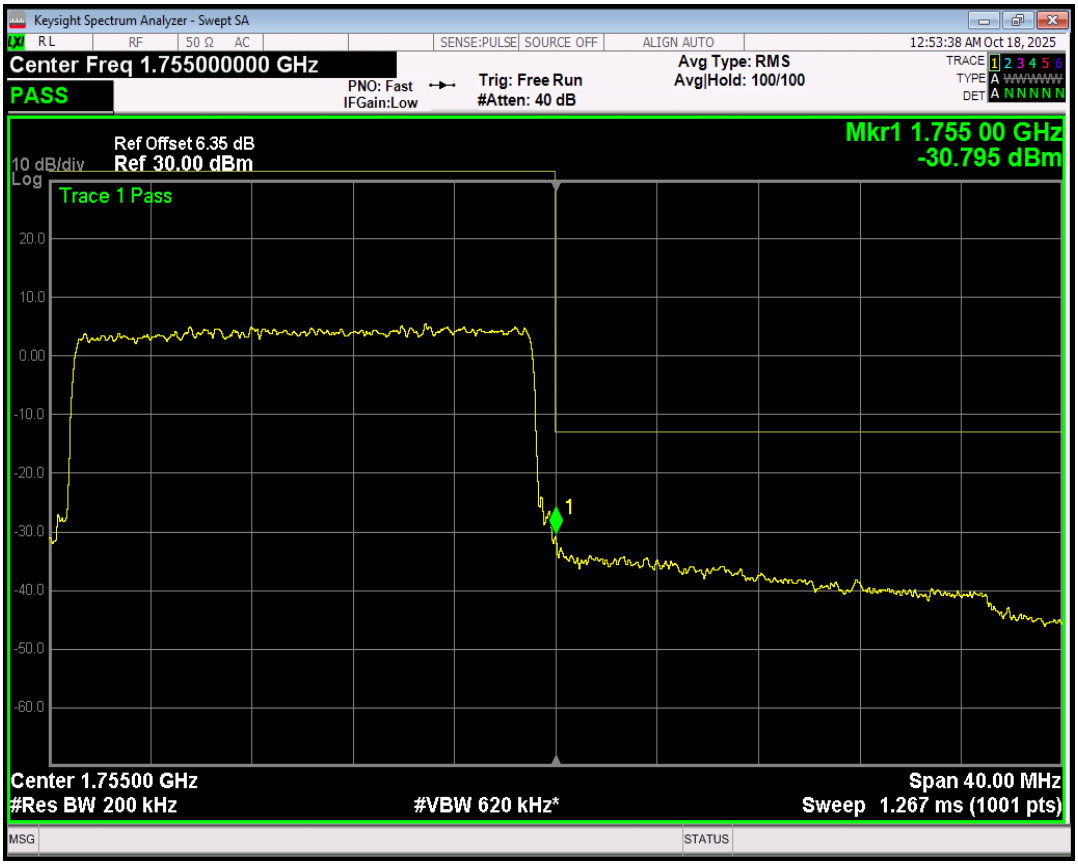


Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT

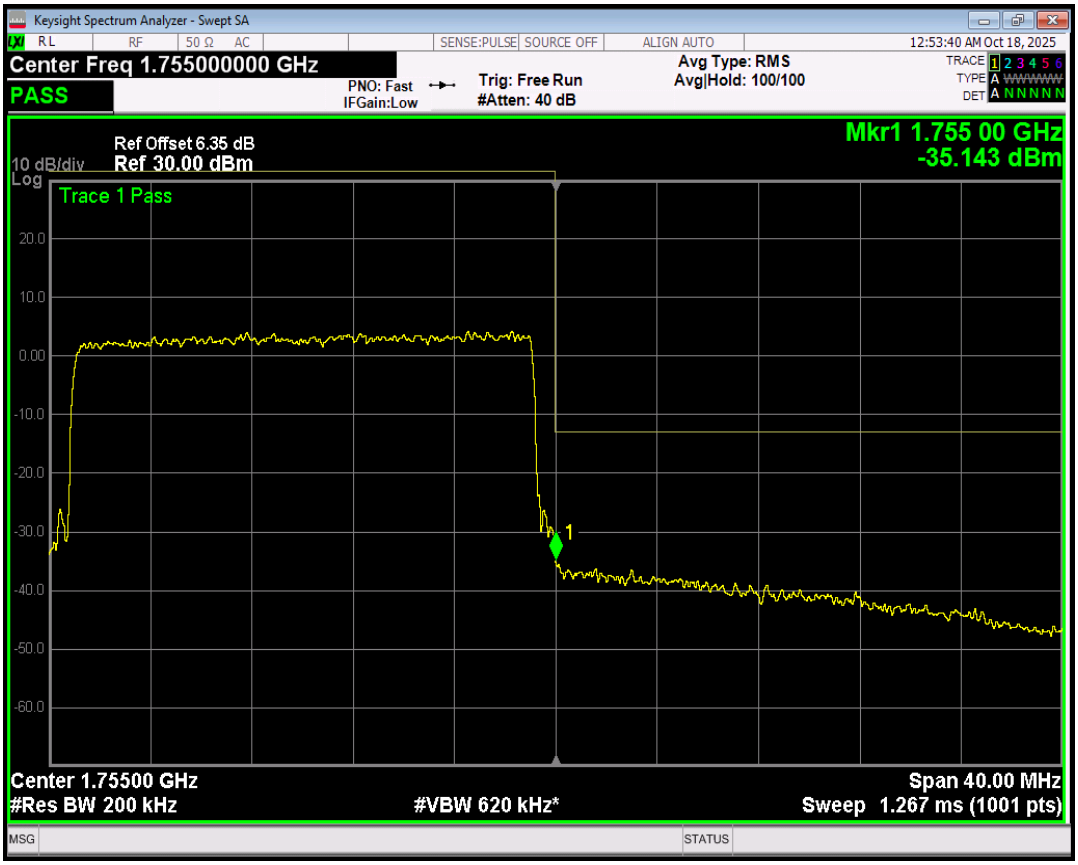
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



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



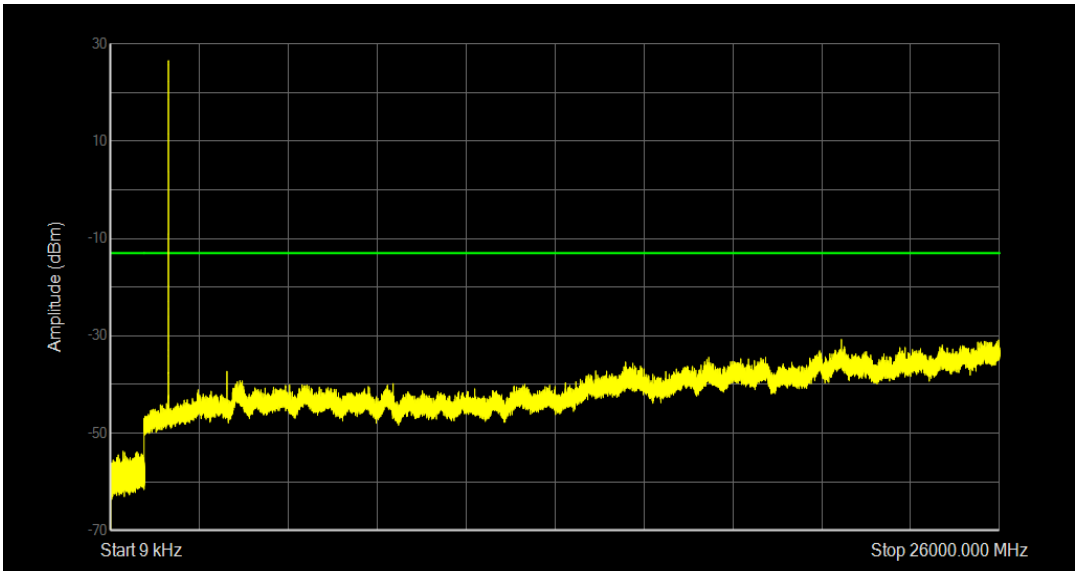
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT



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

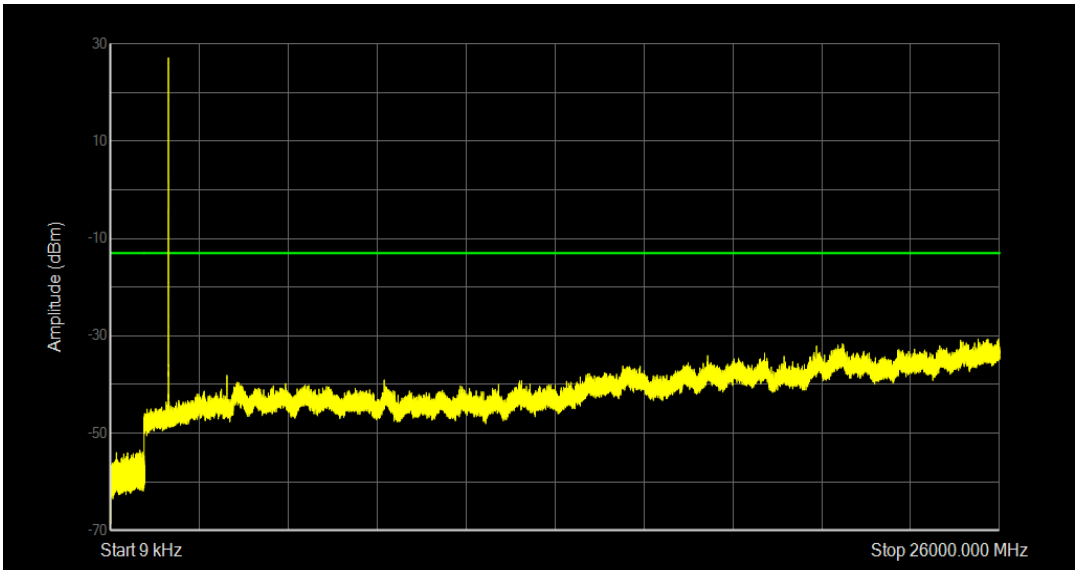
Appendix 6.Out-of-band emissions

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	21376.88	-30.75	-13	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	25372.50	-30.64	-13	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	25728.13	-30.78	-13	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	25943.75	-30.36	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	25947.50	-30.05	-13	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	25481.88	-30.91	-13	PASS
NVNT	Band4	3	19965	15	#0	QPSK	25968.75	-30.41	-13	PASS
NVNT	Band4	3	19965	15	#0	16QAM	25612.50	-30.42	-13	PASS
NVNT	Band4	3	20175	15	#0	QPSK	25973.75	-30.40	-13	PASS
NVNT	Band4	3	20175	15	#0	16QAM	25993.75	-30.04	-13	PASS
NVNT	Band4	3	20385	15	#0	QPSK	25892.50	-30.51	-13	PASS
NVNT	Band4	3	20385	15	#0	16QAM	25535.63	-29.21	-13	PASS
NVNT	Band4	5	19975	25	#0	QPSK	0.15	-28.41	-13	PASS
NVNT	Band4	5	19975	25	#0	16QAM	25936.88	-29.93	-13	PASS
NVNT	Band4	5	20175	25	#0	QPSK	0.01	-26.11	-13	PASS
NVNT	Band4	5	20175	25	#0	16QAM	25649.38	-30.05	-13	PASS
NVNT	Band4	5	20375	25	#0	QPSK	25930.00	-30.53	-13	PASS
NVNT	Band4	5	20375	25	#0	16QAM	25610.63	-30.39	-13	PASS
NVNT	Band4	10	20000	50	#0	QPSK	25533.75	-30.71	-13	PASS
NVNT	Band4	10	20000	50	#0	16QAM	25025.63	-30.86	-13	PASS
NVNT	Band4	10	20175	50	#0	QPSK	25560.00	-29.59	-13	PASS
NVNT	Band4	10	20175	50	#0	16QAM	25957.50	-30.08	-13	PASS
NVNT	Band4	10	20350	50	#0	QPSK	25925.00	-30.20	-13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	25976.25	-30.54	-13	PASS
NVNT	Band4	15	20025	75	#0	QPSK	25645.00	-30.28	-13	PASS
NVNT	Band4	15	20025	75	#0	16QAM	0.01	-26.30	-13	PASS
NVNT	Band4	15	20175	75	#0	QPSK	0.01	-26.91	-13	PASS
NVNT	Band4	15	20175	75	#0	16QAM	25430.63	-30.29	-13	PASS
NVNT	Band4	15	20325	75	#0	QPSK	25441.88	-29.31	-13	PASS
NVNT	Band4	15	20325	75	#0	16QAM	25511.25	-30.50	-13	PASS
NVNT	Band4	20	20050	100	#0	QPSK	25040.63	-30.13	-13	PASS
NVNT	Band4	20	20050	100	#0	16QAM	0.01	-26.82	-13	PASS
NVNT	Band4	20	20175	100	#0	QPSK	0.01	-26.49	-13	PASS
NVNT	Band4	20	20175	100	#0	16QAM	0.01	-27.51	-13	PASS
NVNT	Band4	20	20300	100	#0	QPSK	25996.25	-30.24	-13	PASS
NVNT	Band4	20	20300	100	#0	16QAM	25848.13	-30.37	-13	PASS



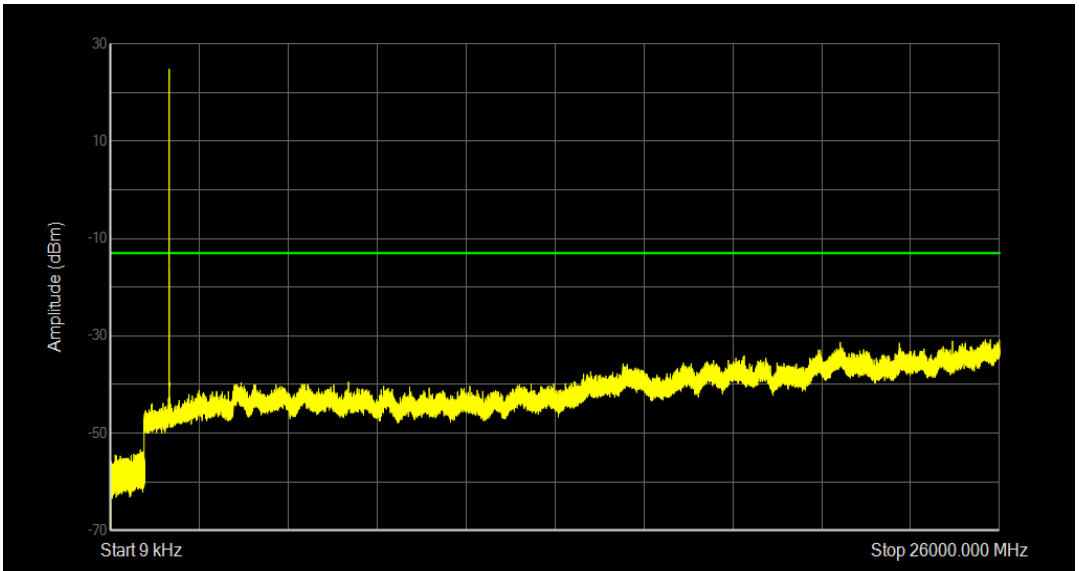
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009137475	-31.35	-13
2	0.15	30	10	0.1514925	-37.08	-13
3	30	1000	100	389.3365	-53.75	-13
4	1000	26000	1000	21376.875	-30.75	-13

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



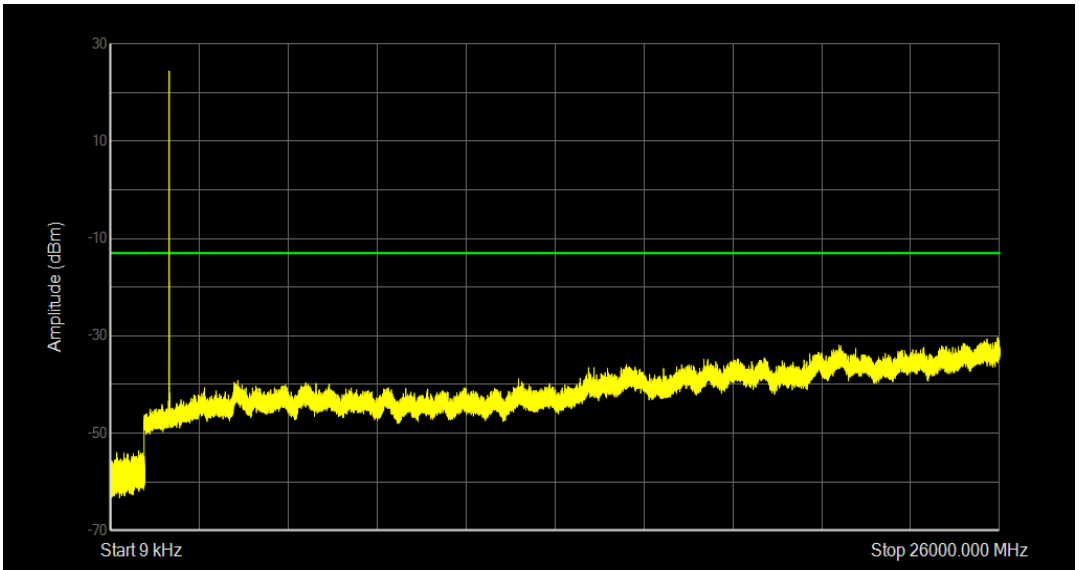
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009433575	-35.25	-13
2	0.15	30	10	0.1604475	-38.62	-13
3	30	1000	100	875.8885	-53.51	-13
4	1000	26000	1000	25372.5	-30.64	-13

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



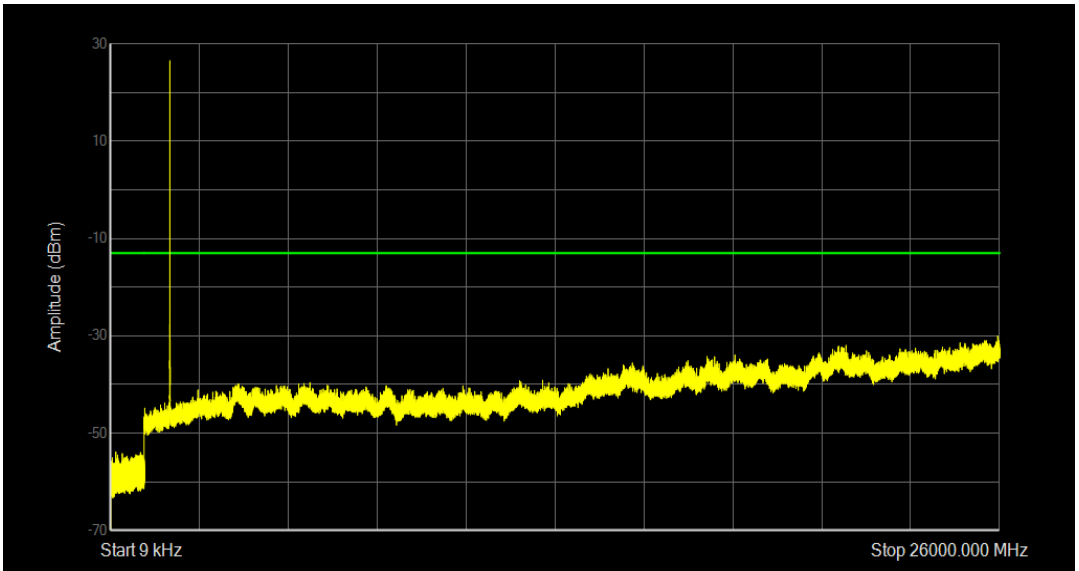
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0095217	-33.41	-13
2	0.15	30	10	0.15223875	-38.89	-13
3	30	1000	100	893.494	-53.45	-13
4	1000	26000	1000	25728.125	-30.78	-13

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



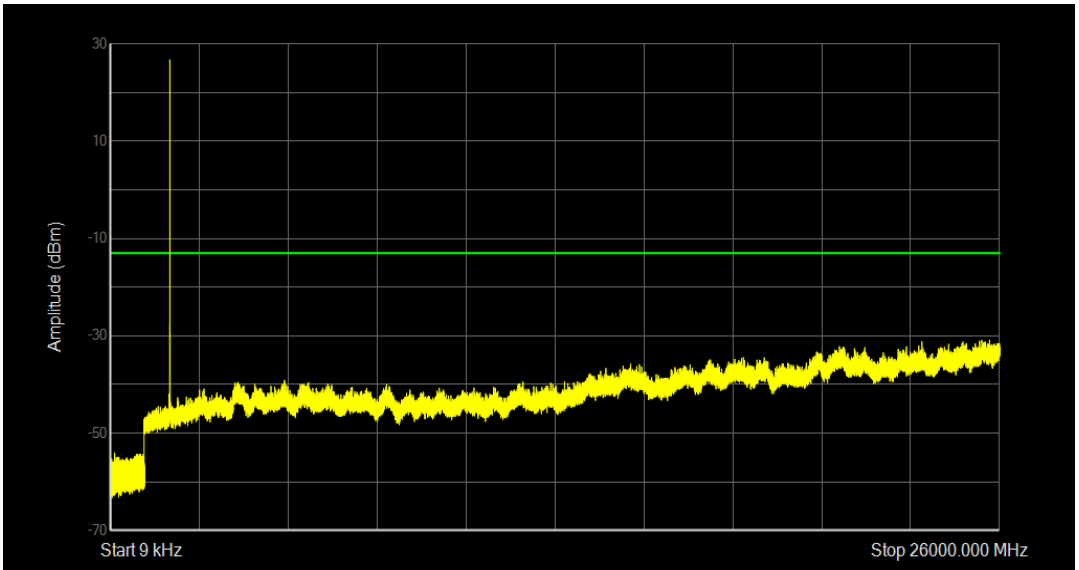
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011710725	-36.05	-13
2	0.15	30	10	0.1544775	-39.46	-13
3	30	1000	100	841.67175	-53.61	-13
4	1000	26000	1000	25943.75	-30.36	-13

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



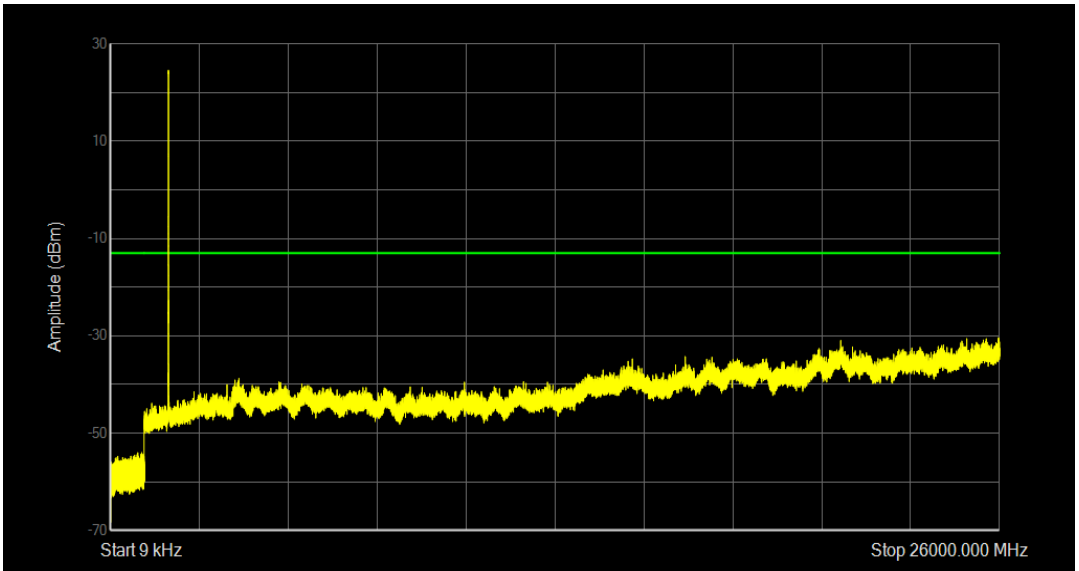
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01098105	-35.43	-13
2	0.15	30	10	0.17388	-40.89	-13
3	30	1000	100	174.36025	-53.87	-13
4	1000	26000	1000	25947.5	-30.05	-13

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



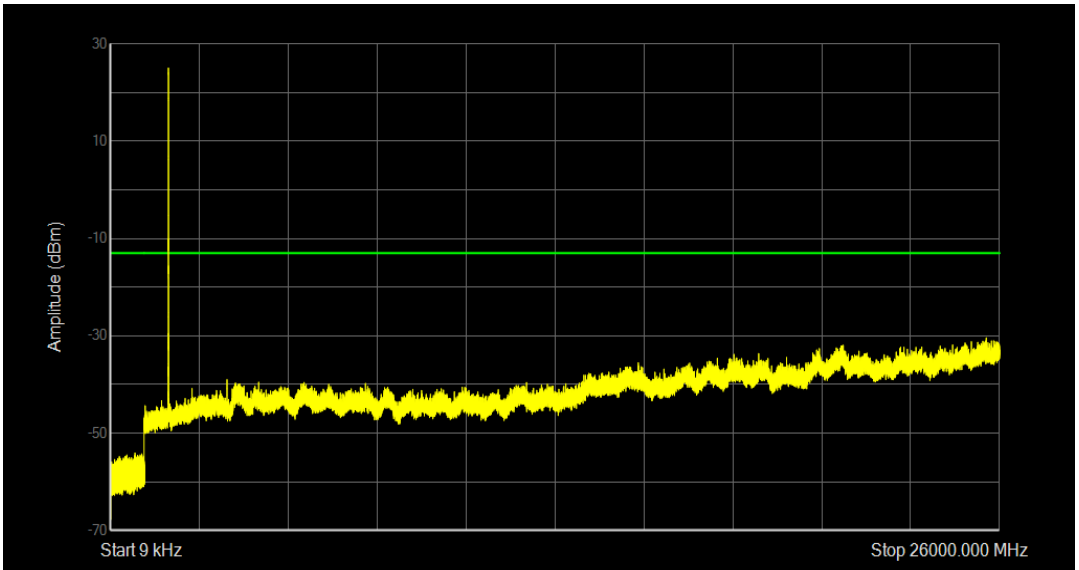
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010780125	-34.81	-13
2	0.15	30	10	0.16194	-38.27	-13
3	30	1000	100	141.356	-54.12	-13
4	1000	26000	1000	25481.875	-30.91	-13

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



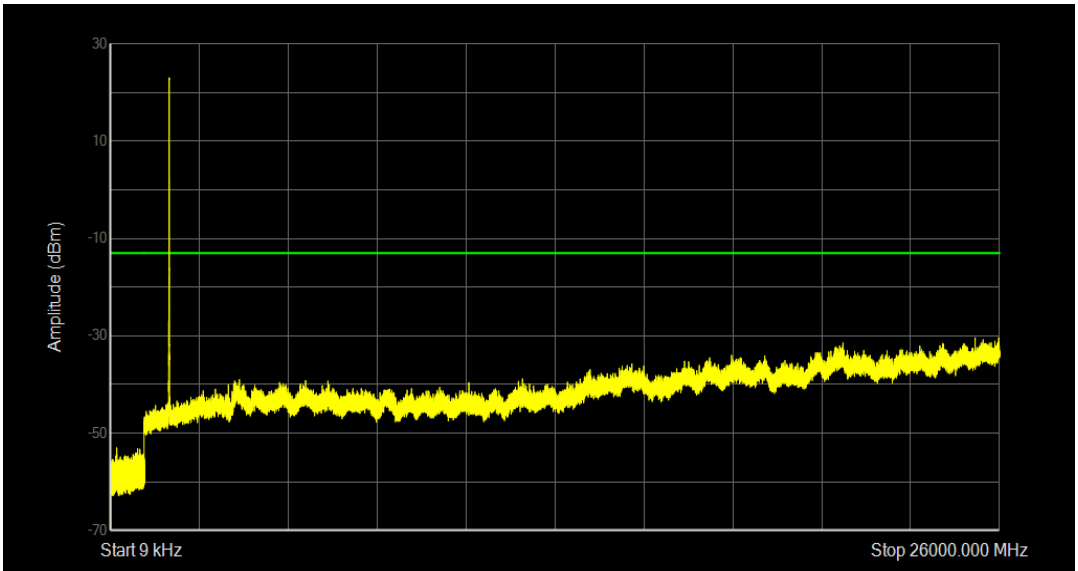
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-36.78	-13
2	0.15	30	10	0.1514925	-39.4	-13
3	30	1000	100	929.9175	-54	-13
4	1000	26000	1000	25968.75	-30.41	-13

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



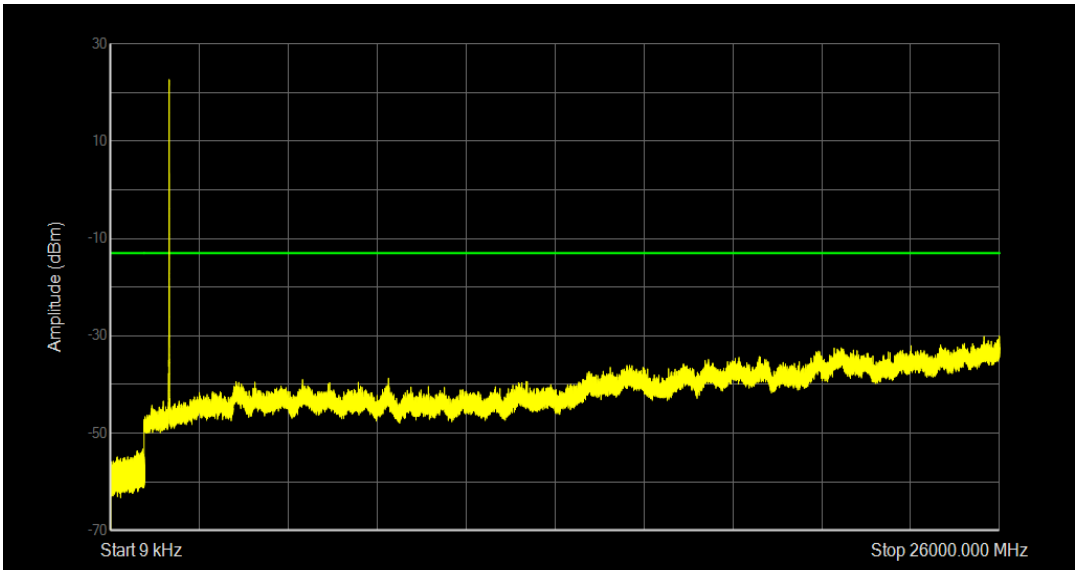
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009877725	-35.56	-13
2	0.15	30	10	0.1664175	-37.43	-13
3	30	1000	100	735.0445	-54.09	-13
4	1000	26000	1000	25612.5	-30.42	-13

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



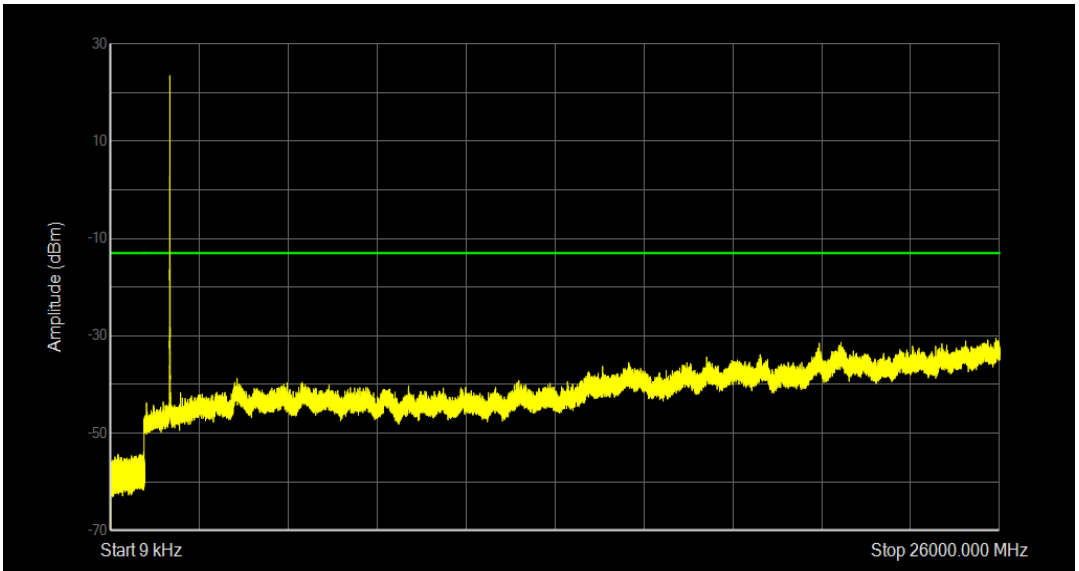
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0093102	-34.73	-13
2	0.15	30	10	0.152985	-39.85	-13
3	30	1000	100	200.50175	-53.02	-13
4	1000	26000	1000	25973.75	-30.4	-13

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



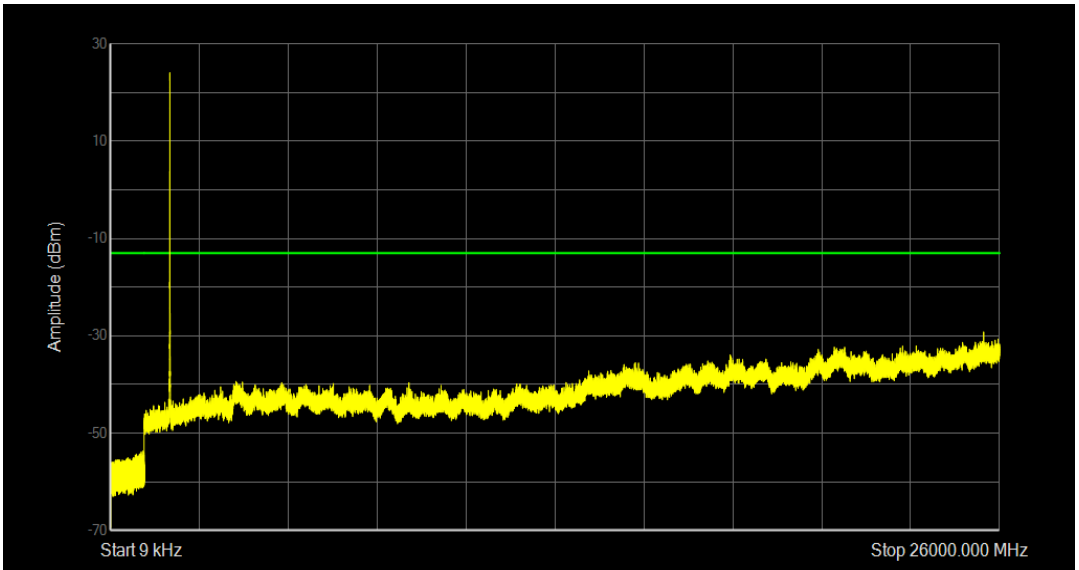
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009010575	-33.97	-13
2	0.15	30	10	0.18208875	-41.03	-13
3	30	1000	100	959.7935	-53.3	-13
4	1000	26000	1000	25993.75	-30.04	-13

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



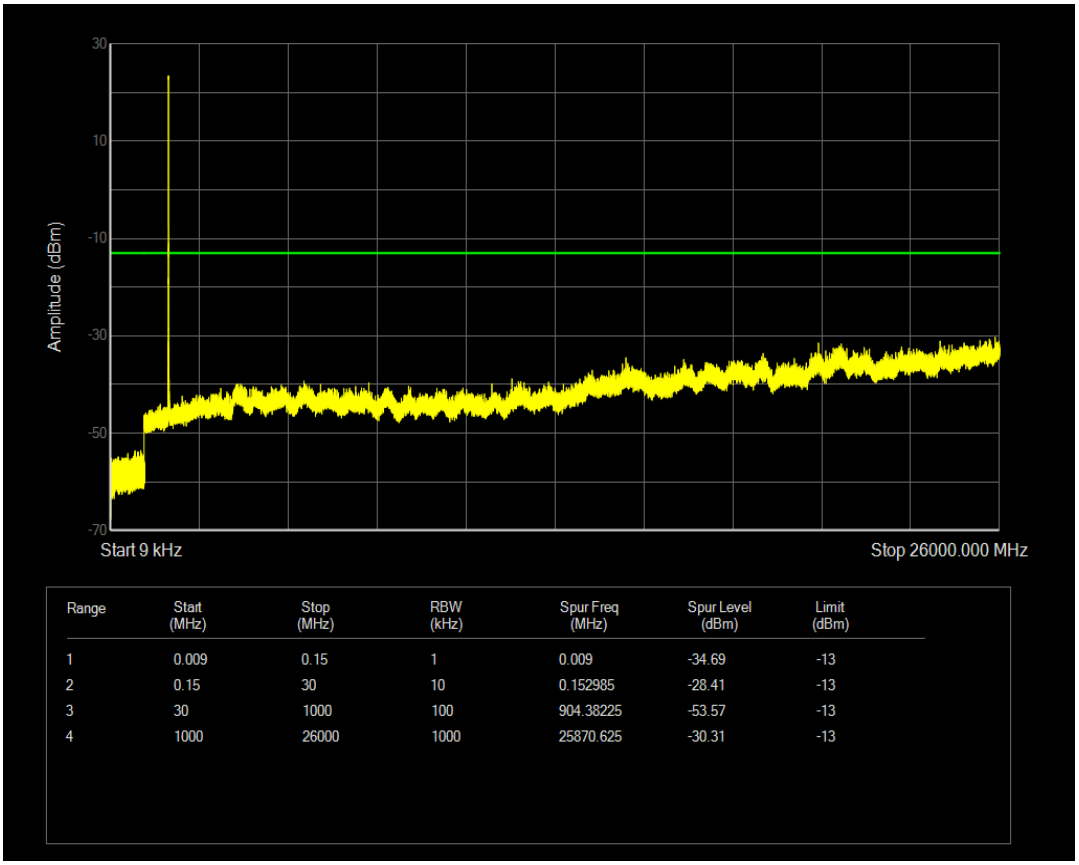
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009574575	-33.84	-13
2	0.15	30	10	0.15	-39.06	-13
3	30	1000	100	988.04475	-53.91	-13
4	1000	26000	1000	25892.5	-30.51	-13

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



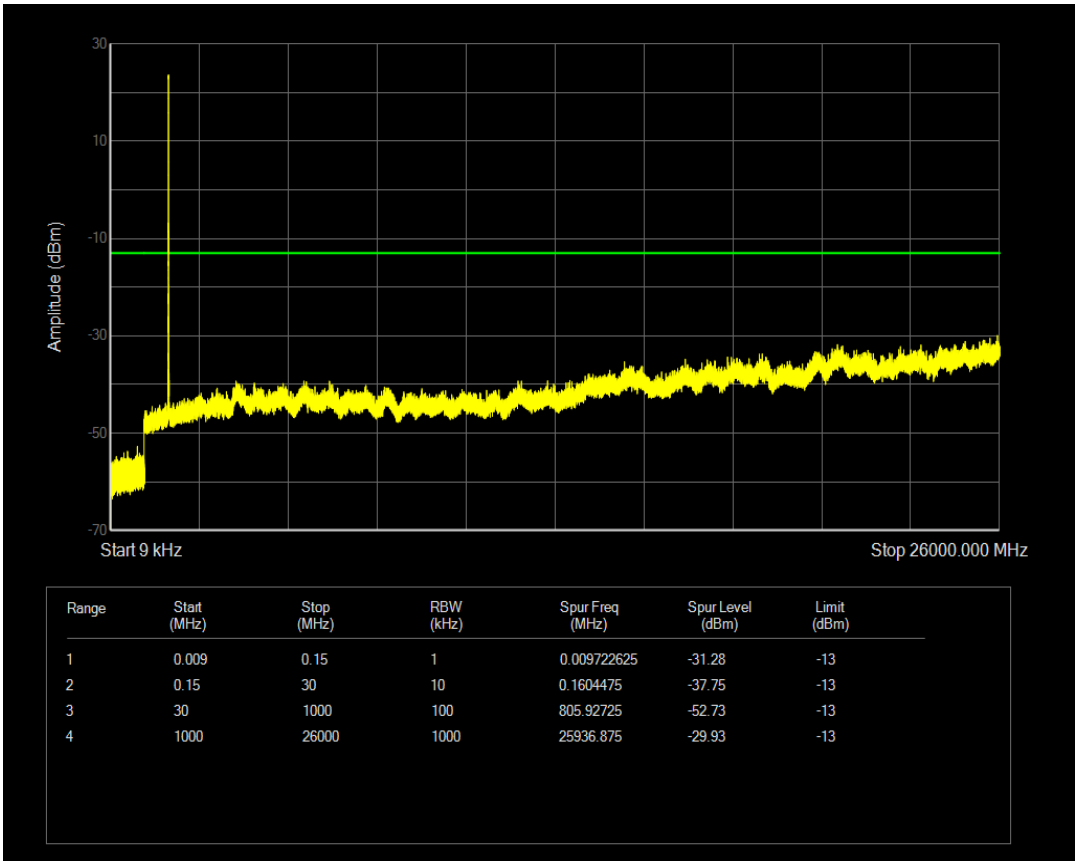
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010801275	-35.31	-13
2	0.15	30	10	0.15	-38.23	-13
3	30	1000	100	972.5005	-53.71	-13
4	1000	26000	1000	25535.625	-29.21	-13

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



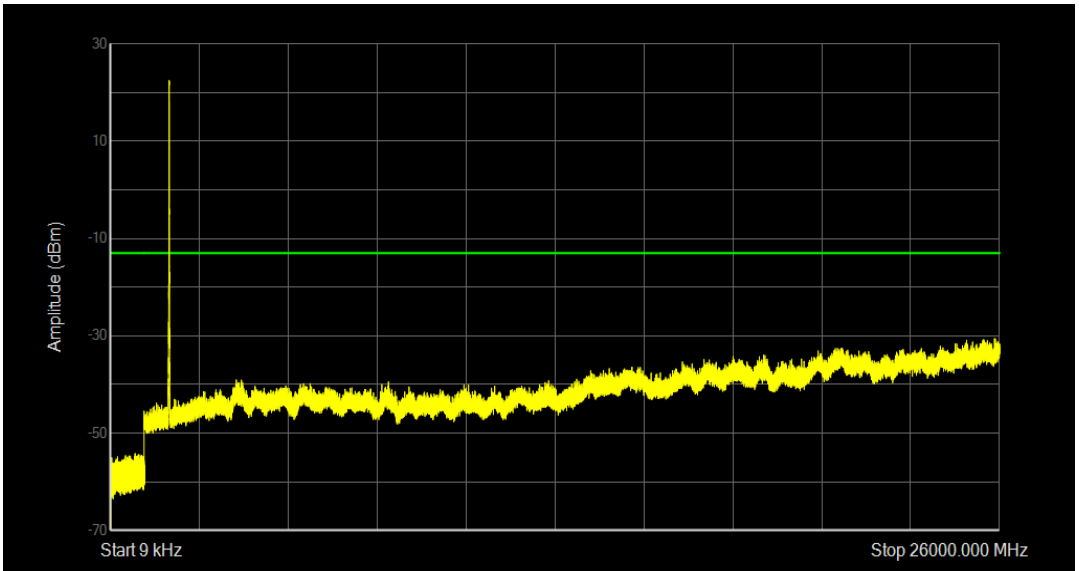
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-34.69	-13
2	0.15	30	10	0.152985	-28.41	-13
3	30	1000	100	904.38225	-53.57	-13
4	1000	26000	1000	25870.625	-30.31	-13

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



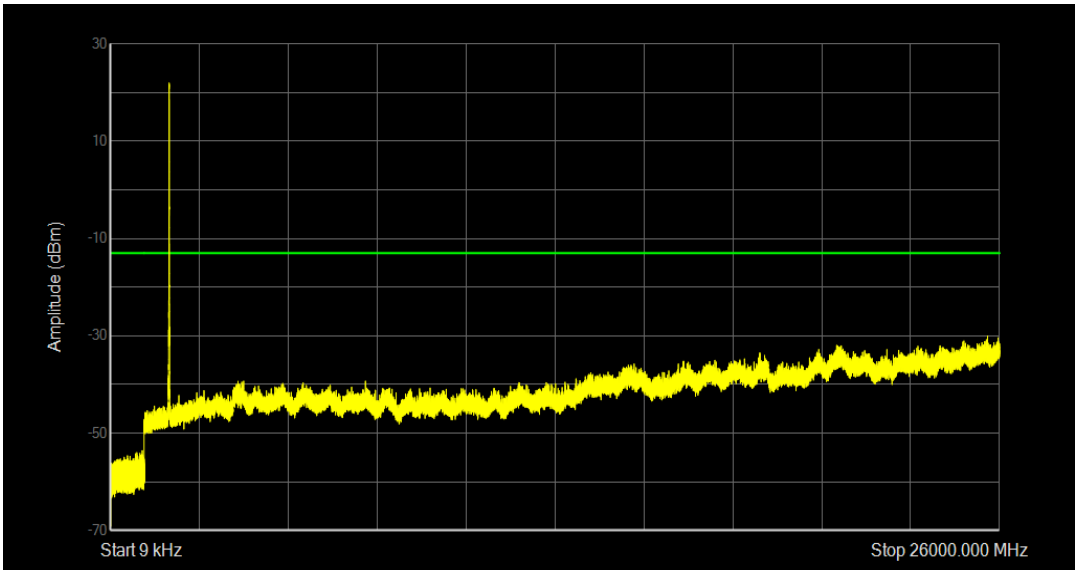
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009722625	-31.28	-13
2	0.15	30	10	0.1604475	-37.75	-13
3	30	1000	100	805.92725	-52.73	-13
4	1000	26000	1000	25936.875	-29.93	-13

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



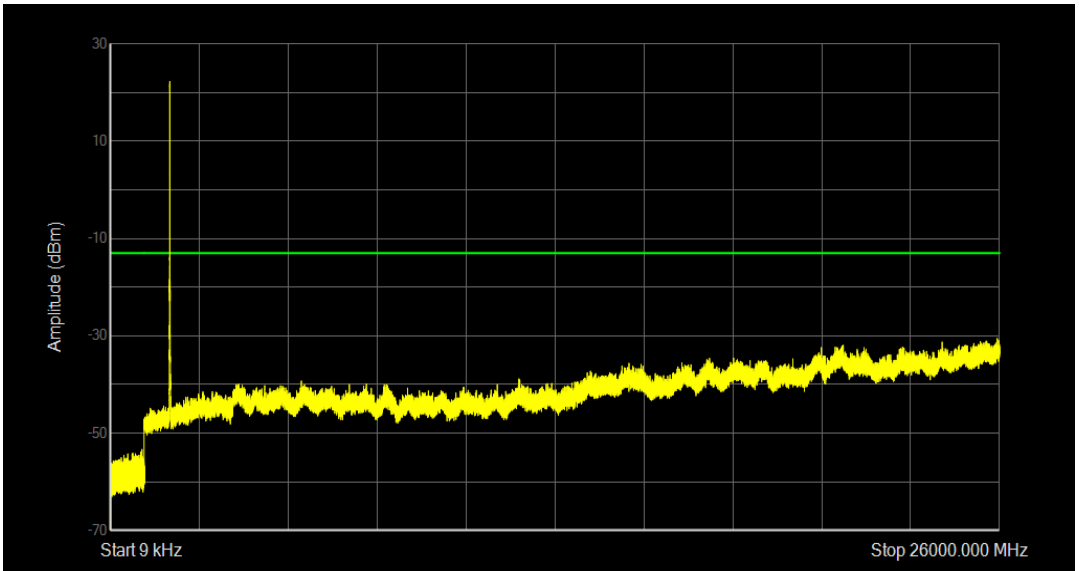
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-26.11	-13
2	0.15	30	10	0.164925	-36.91	-13
3	30	1000	100	735.26275	-54.22	-13
4	1000	26000	1000	25851.875	-30.59	-13

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



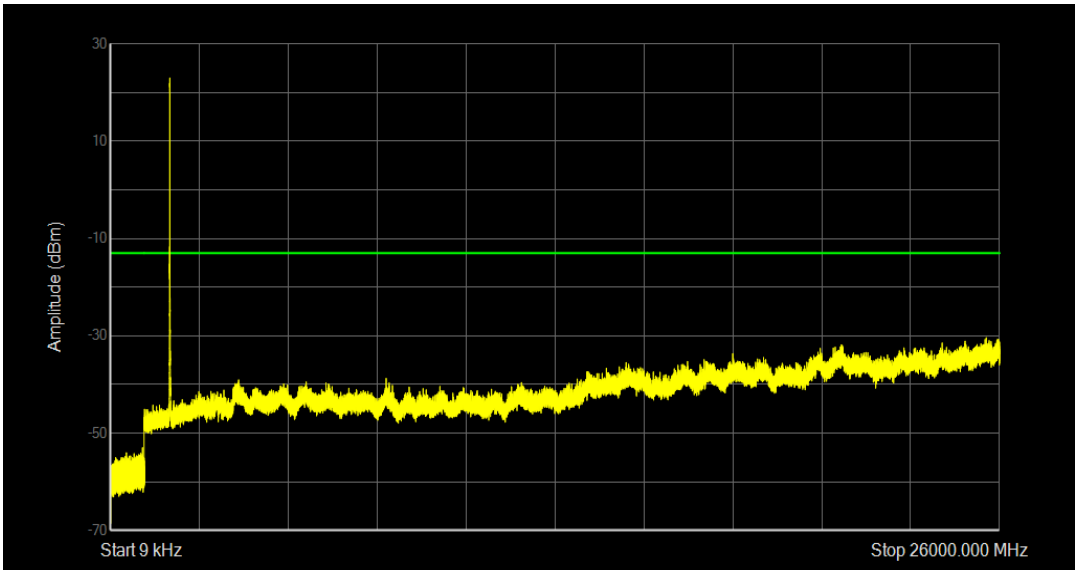
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-31.38	-13
2	0.15	30	10	0.15223875	-32.9	-13
3	30	1000	100	945.65575	-53.59	-13
4	1000	26000	1000	25649.375	-30.05	-13

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



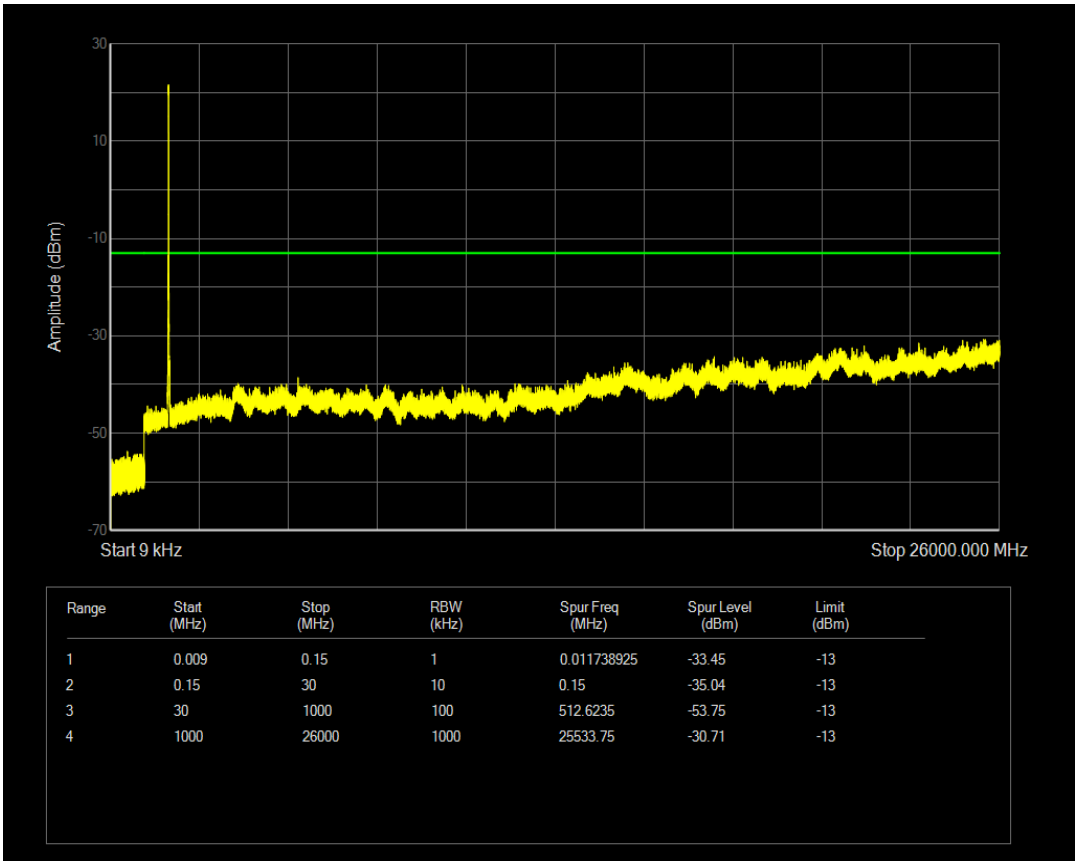
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009306675	-32.7	-13
2	0.15	30	10	0.15	-35.46	-13
3	30	1000	100	938.308	-53.33	-13
4	1000	26000	1000	25930	-30.53	-13

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



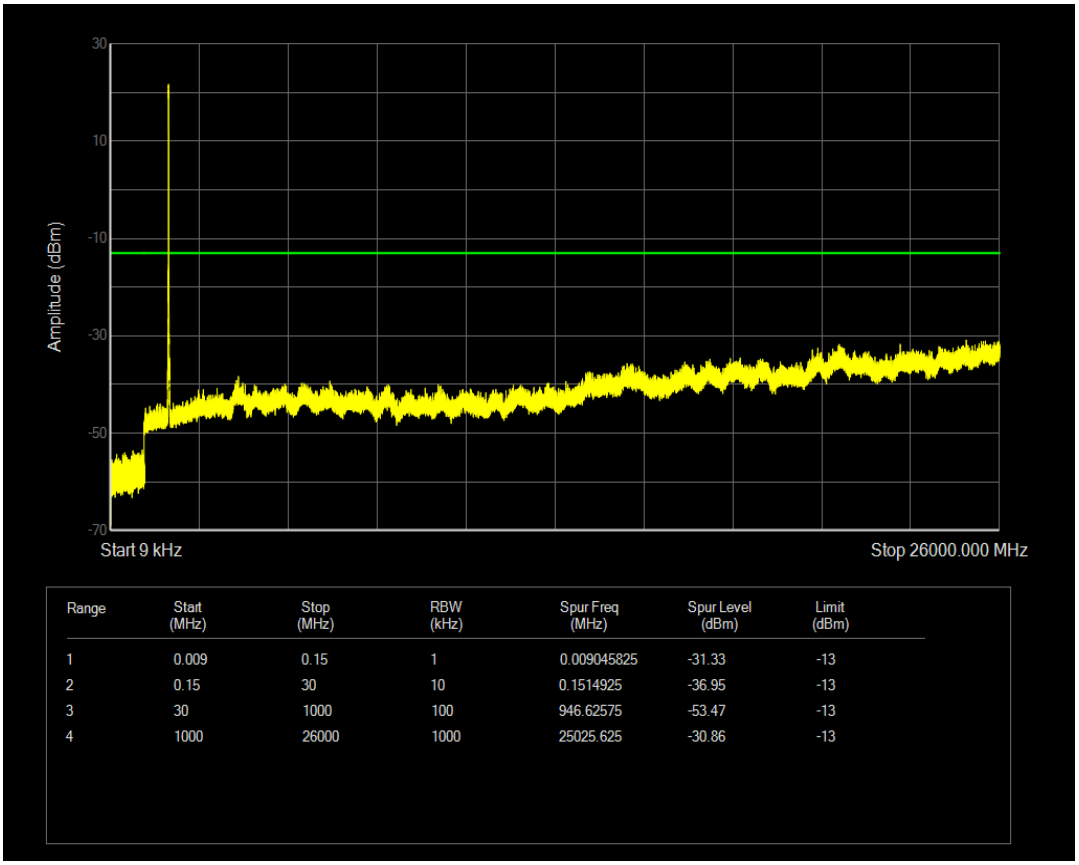
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009193875	-31.22	-13
2	0.15	30	10	0.15	-37.49	-13
3	30	1000	100	952.68825	-52.99	-13
4	1000	26000	1000	25610.625	-30.39	-13

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



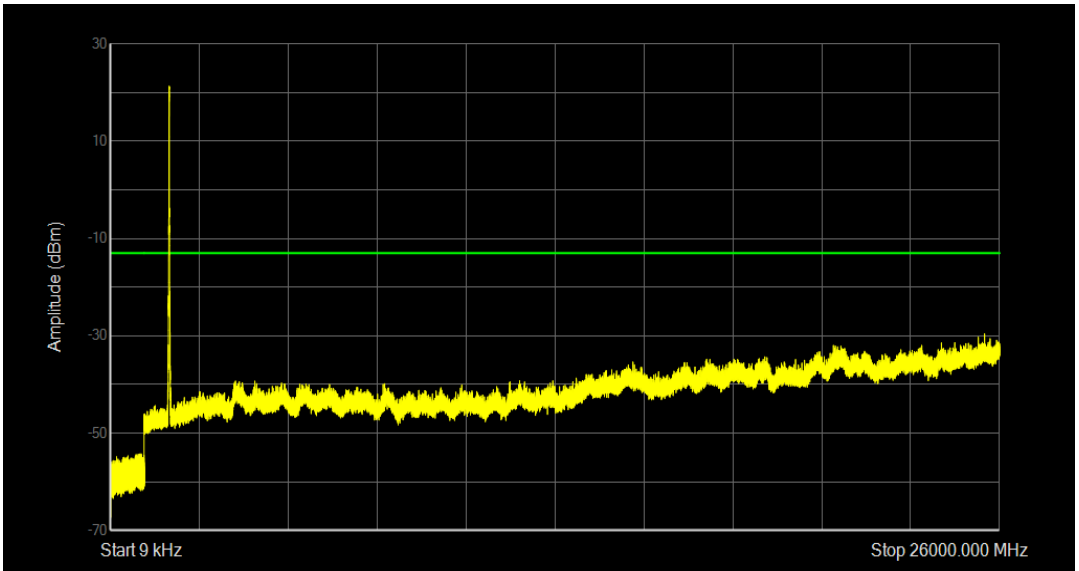
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011738925	-33.45	-13
2	0.15	30	10	0.15	-35.04	-13
3	30	1000	100	512.6235	-53.75	-13
4	1000	26000	1000	25533.75	-30.71	-13

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



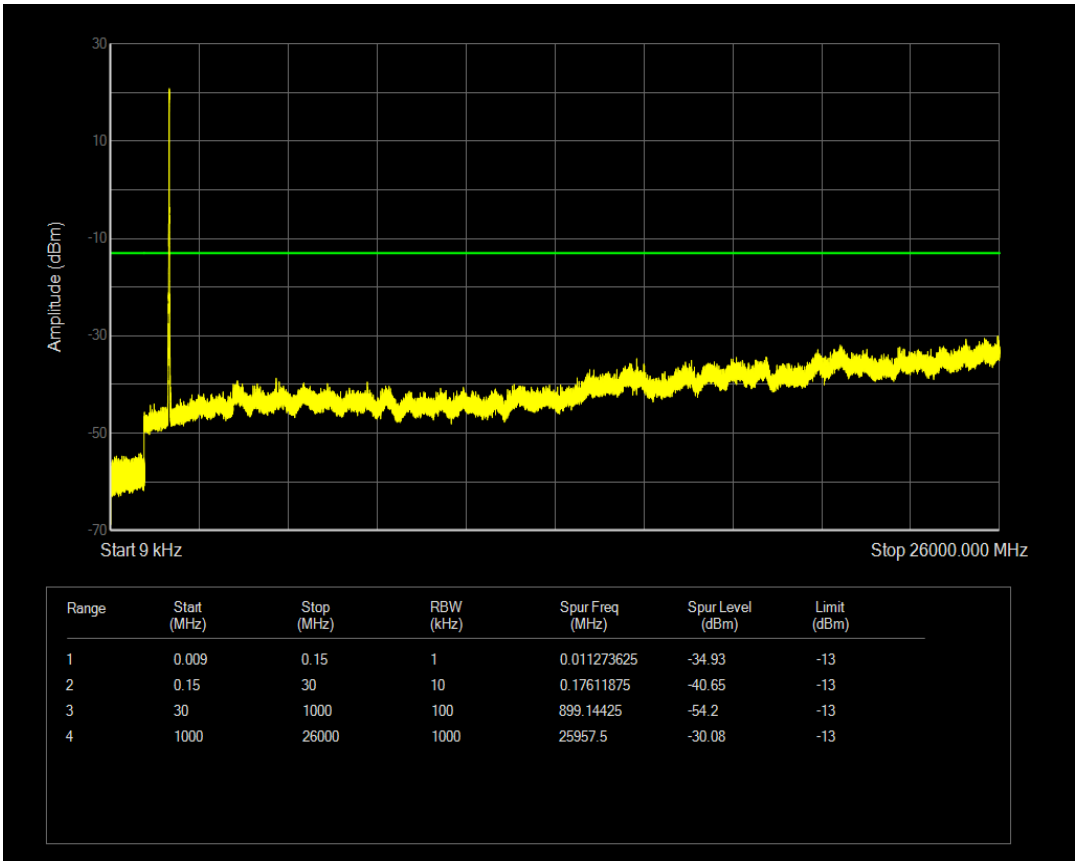
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009045825	-31.33	-13
2	0.15	30	10	0.1514925	-36.95	-13
3	30	1000	100	946.62575	-53.47	-13
4	1000	26000	1000	25025.625	-30.86	-13

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



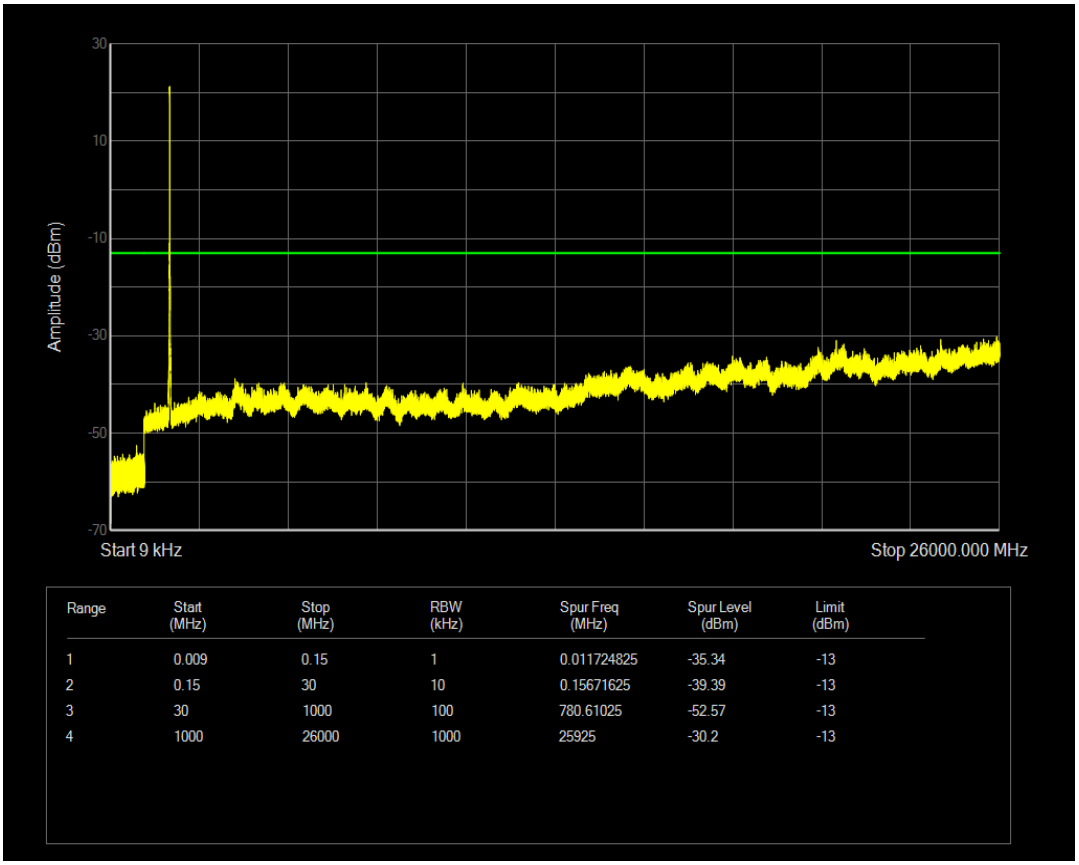
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009511125	-32.23	-13
2	0.15	30	10	0.152985	-37.36	-13
3	30	1000	100	886.63125	-54.25	-13
4	1000	26000	1000	25560	-29.59	-13

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



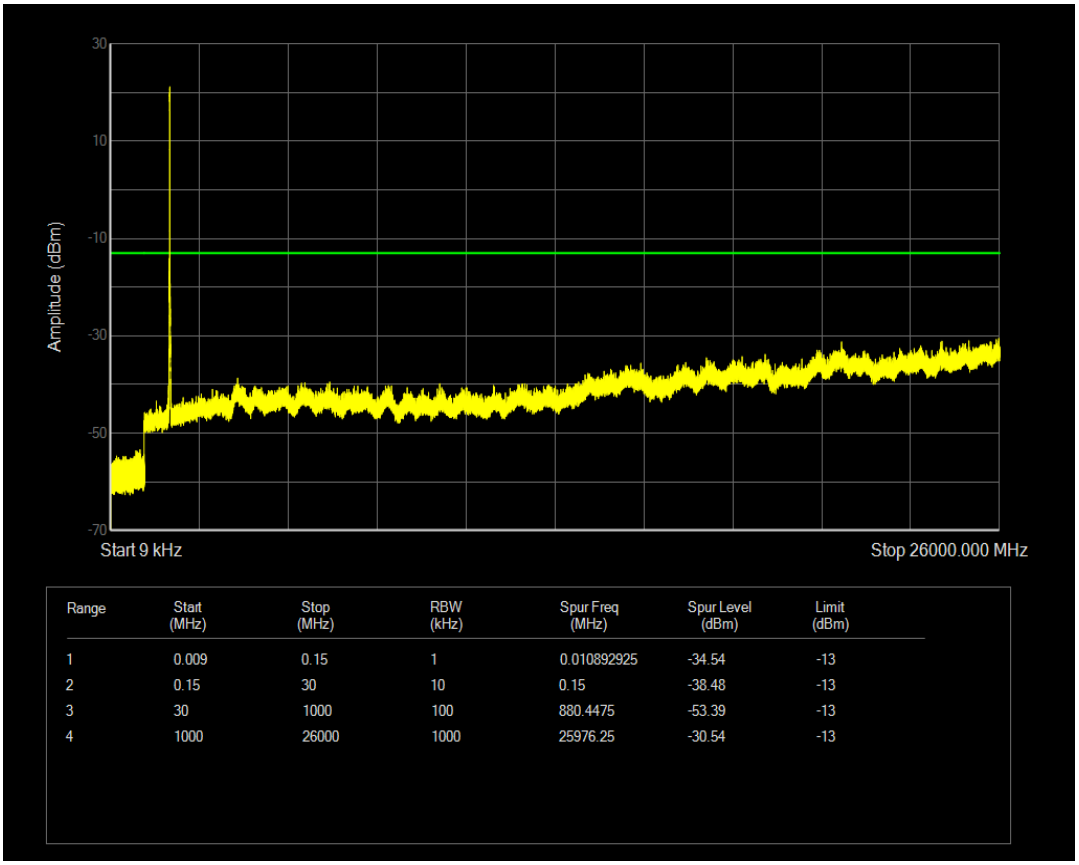
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011273625	-34.93	-13
2	0.15	30	10	0.17611875	-40.65	-13
3	30	1000	100	899.14425	-54.2	-13
4	1000	26000	1000	25957.5	-30.08	-13

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



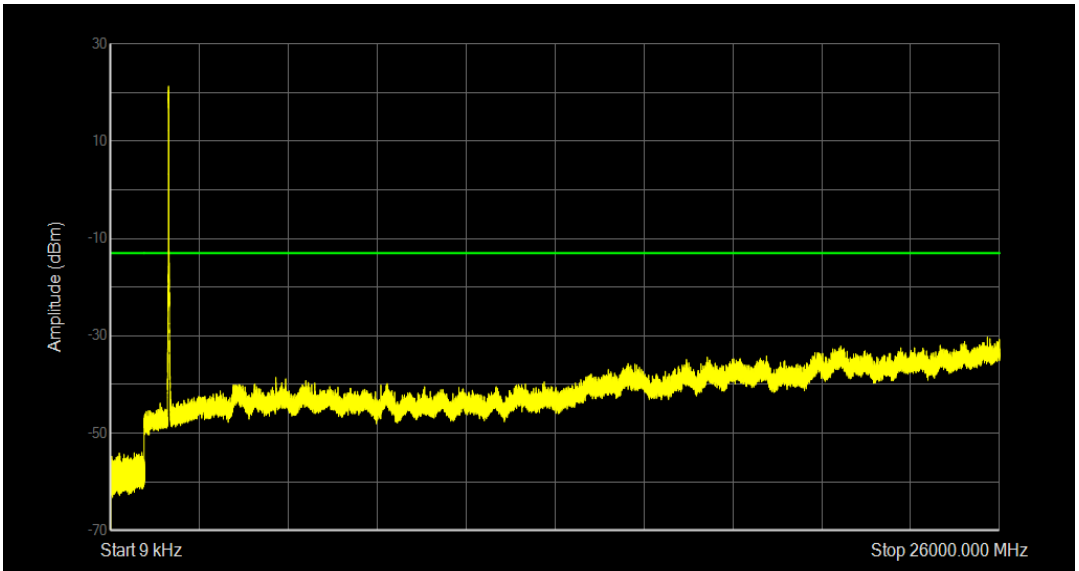
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011724825	-35.34	-13
2	0.15	30	10	0.15671625	-39.39	-13
3	30	1000	100	780.61025	-52.57	-13
4	1000	26000	1000	25925	-30.2	-13

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



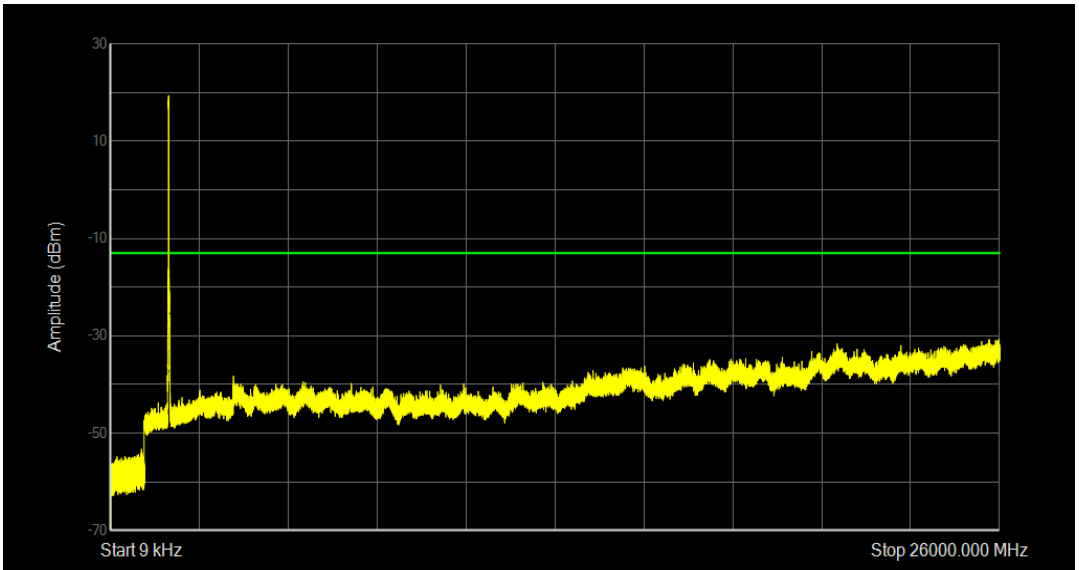
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010892925	-34.54	-13
2	0.15	30	10	0.15	-38.48	-13
3	30	1000	100	880.4475	-53.39	-13
4	1000	26000	1000	25976.25	-30.54	-13

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



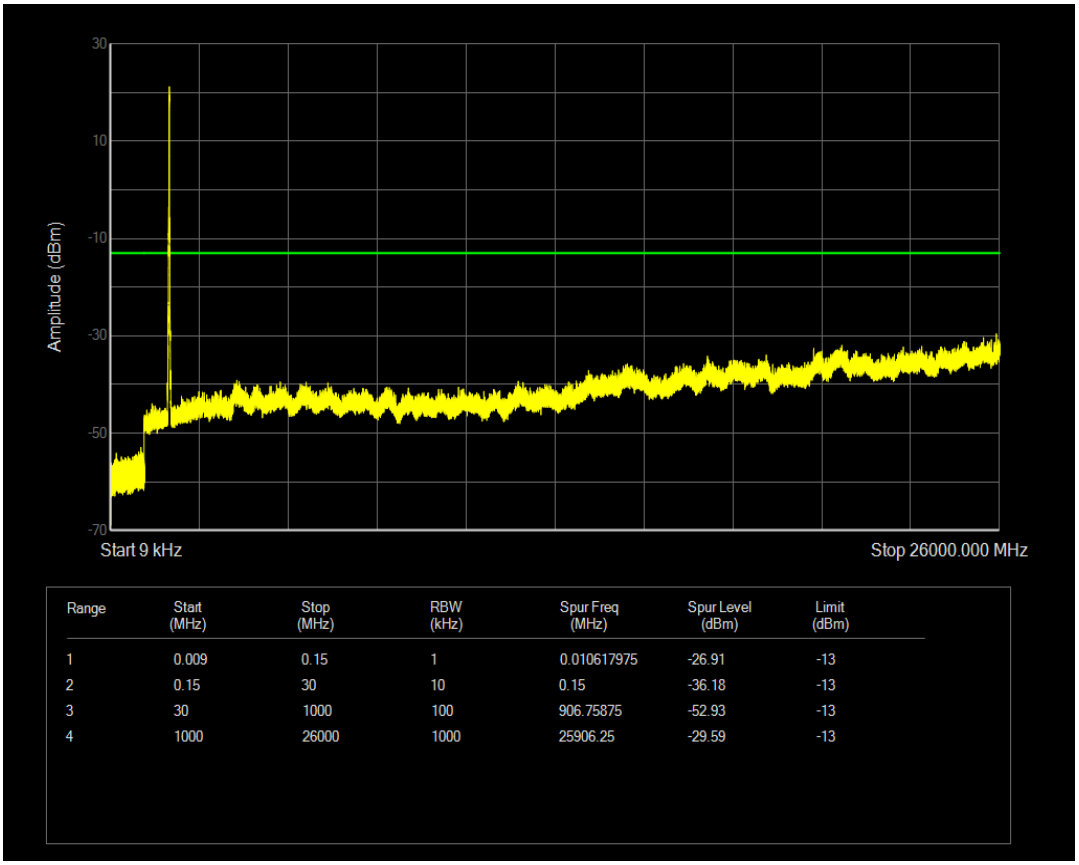
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009461775	-34.19	-13
2	0.15	30	10	0.15373125	-41.28	-13
3	30	1000	100	936.659	-53.97	-13
4	1000	26000	1000	25645	-30.28	-13

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



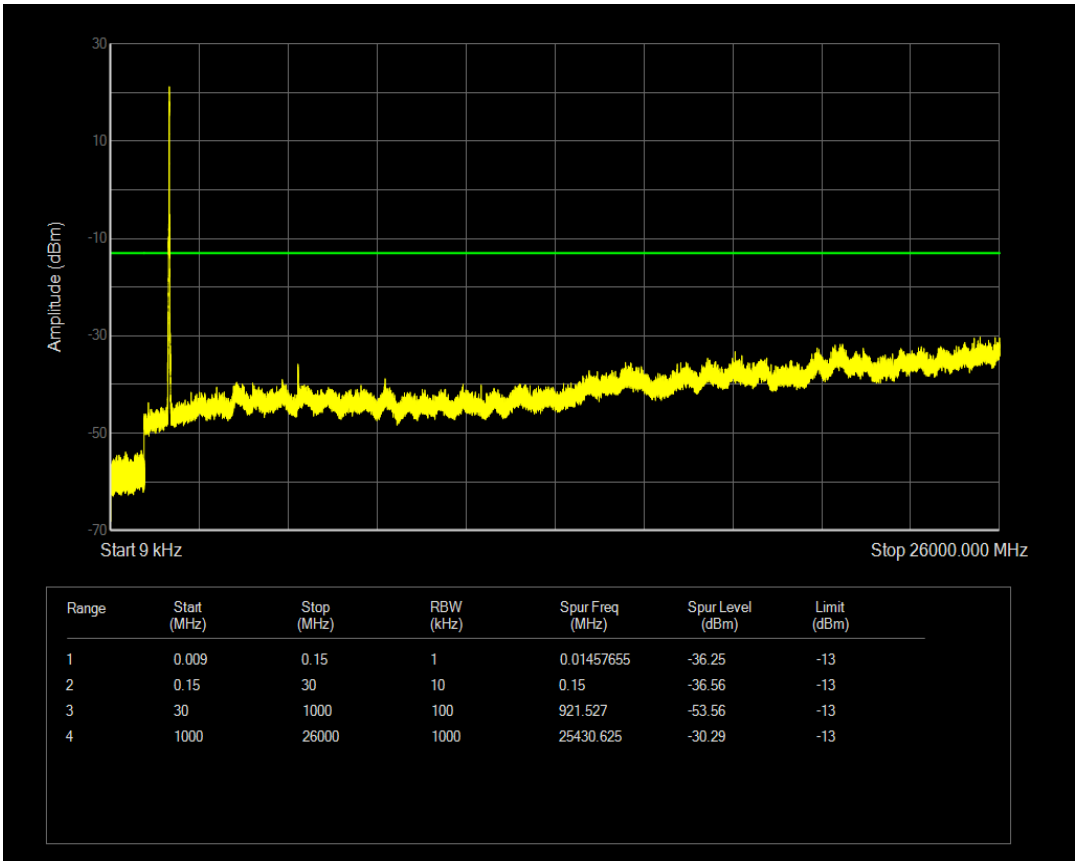
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010836525	-26.3	-13
2	0.15	30	10	0.1723875	-35.91	-13
3	30	1000	100	924.7765	-53.29	-13
4	1000	26000	1000	25703.125	-30.74	-13

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



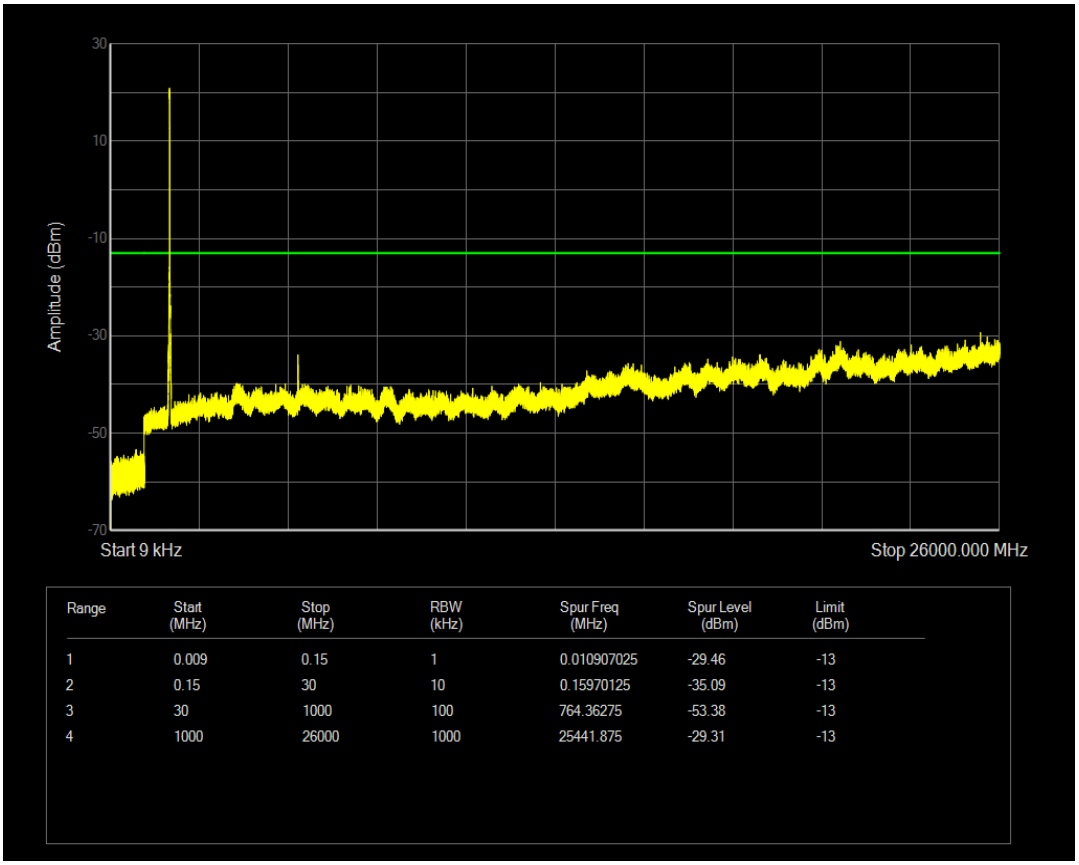
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010617975	-26.91	-13
2	0.15	30	10	0.15	-36.18	-13
3	30	1000	100	906.75875	-52.93	-13
4	1000	26000	1000	25906.25	-29.59	-13

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



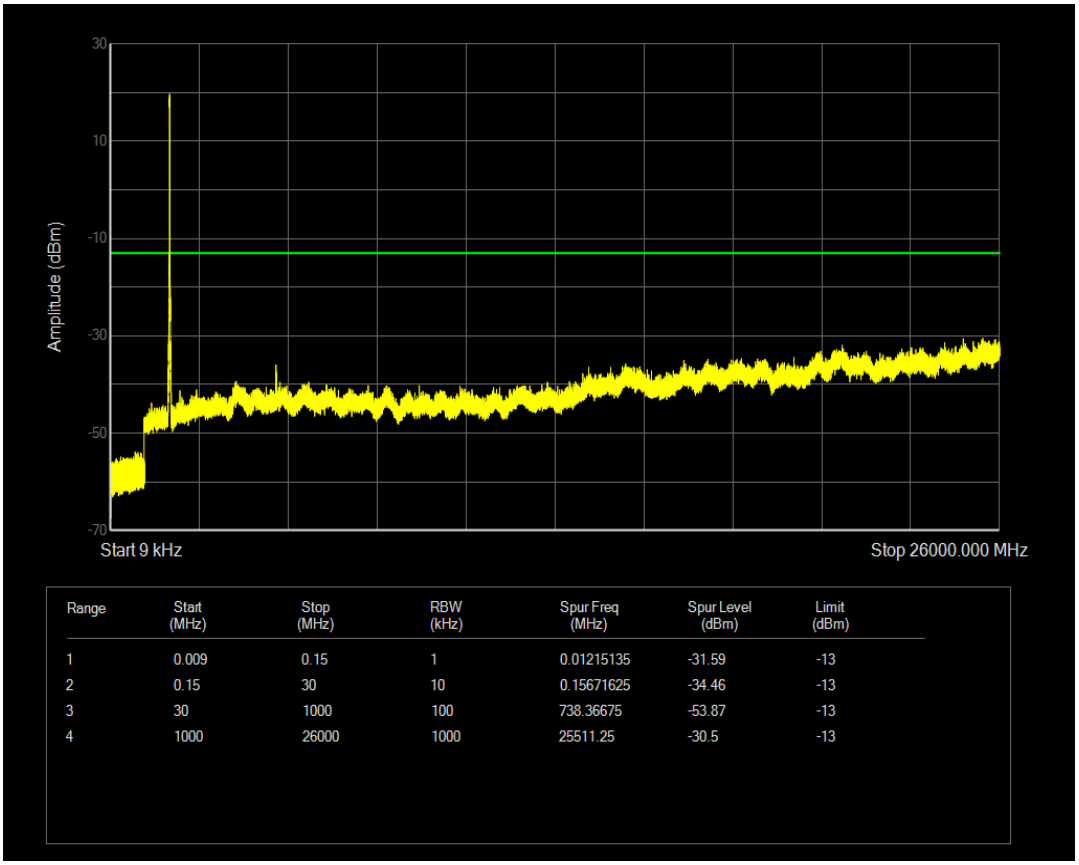
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01457655	-36.25	-13
2	0.15	30	10	0.15	-36.56	-13
3	30	1000	100	921.527	-53.56	-13
4	1000	26000	1000	25430.625	-30.29	-13

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



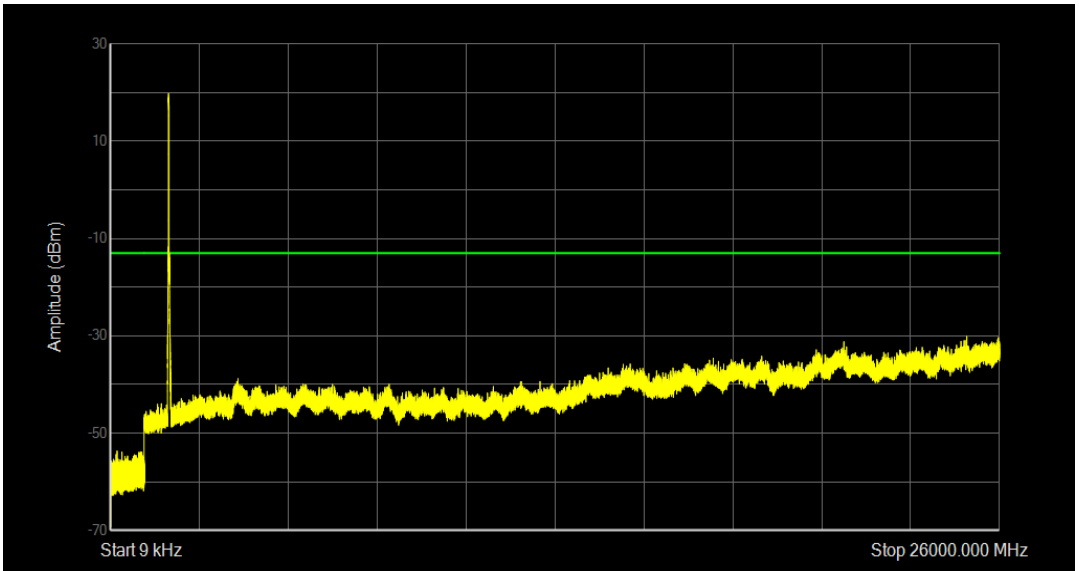
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010907025	-29.46	-13
2	0.15	30	10	0.15970125	-35.09	-13
3	30	1000	100	764.36275	-53.38	-13
4	1000	26000	1000	25441.875	-29.31	-13

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



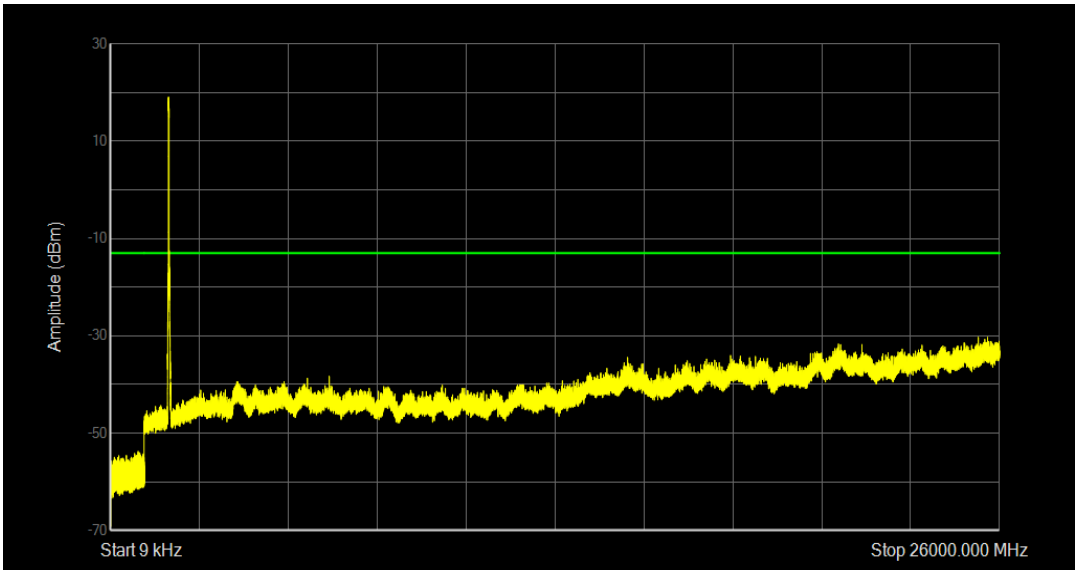
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01215135	-31.59	-13
2	0.15	30	10	0.15671625	-34.46	-13
3	30	1000	100	738.36675	-53.87	-13
4	1000	26000	1000	25511.25	-30.5	-13

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



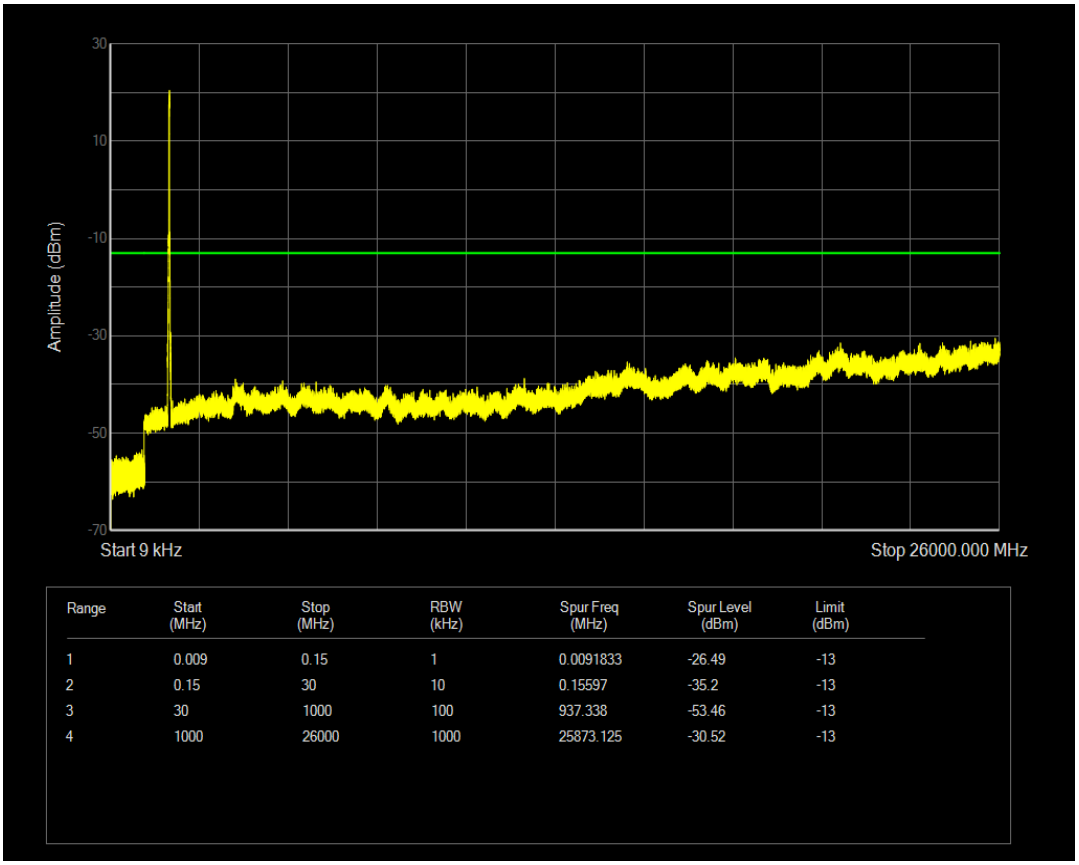
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00996585	-31.53	-13
2	0.15	30	10	0.1544775	-34.86	-13
3	30	1000	100	210.614	-53.67	-13
4	1000	26000	1000	25040.625	-30.13	-13

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



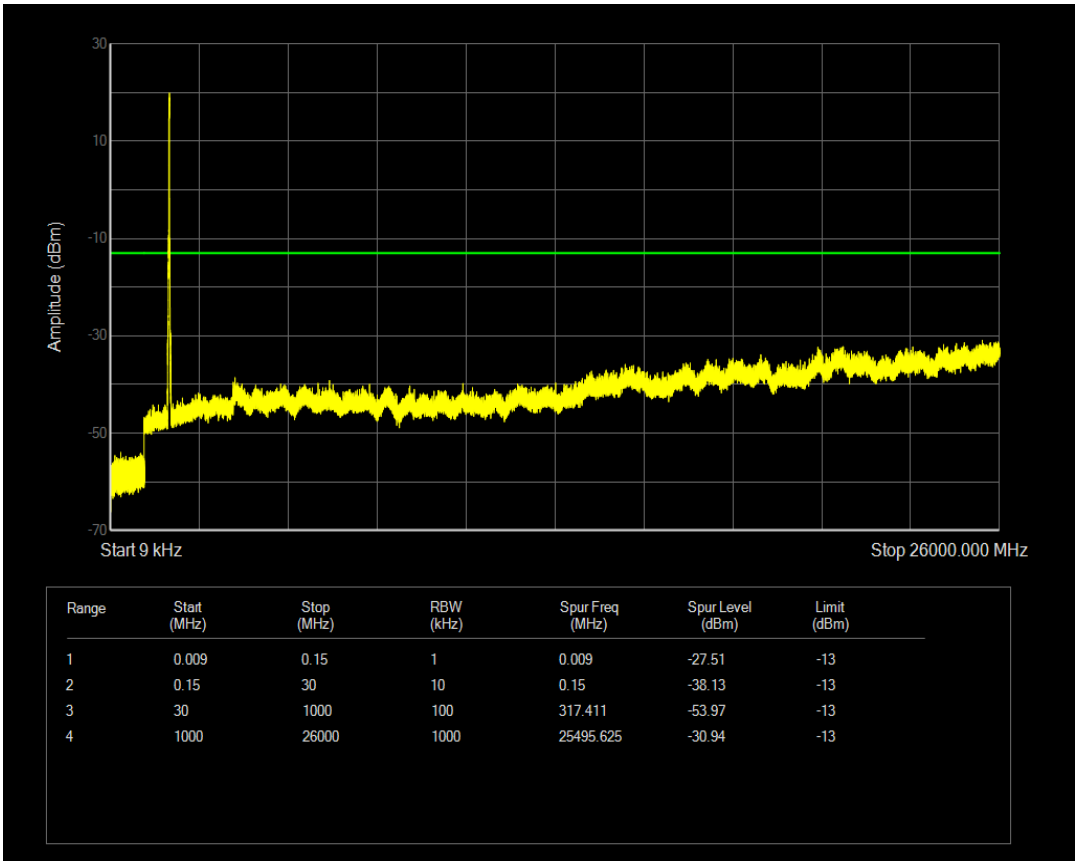
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0119892	-26.82	-13
2	0.15	30	10	0.1634325	-35.56	-13
3	30	1000	100	825.18175	-53.75	-13
4	1000	26000	1000	25376.875	-30.3	-13

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



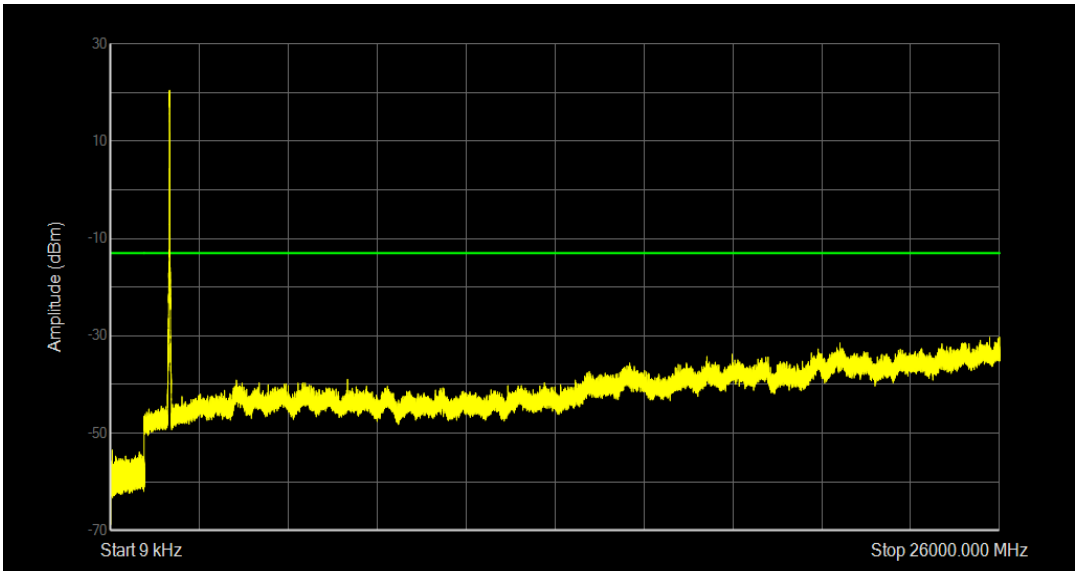
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0091833	-26.49	-13
2	0.15	30	10	0.15597	-35.2	-13
3	30	1000	100	937.338	-53.46	-13
4	1000	26000	1000	25873.125	-30.52	-13

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



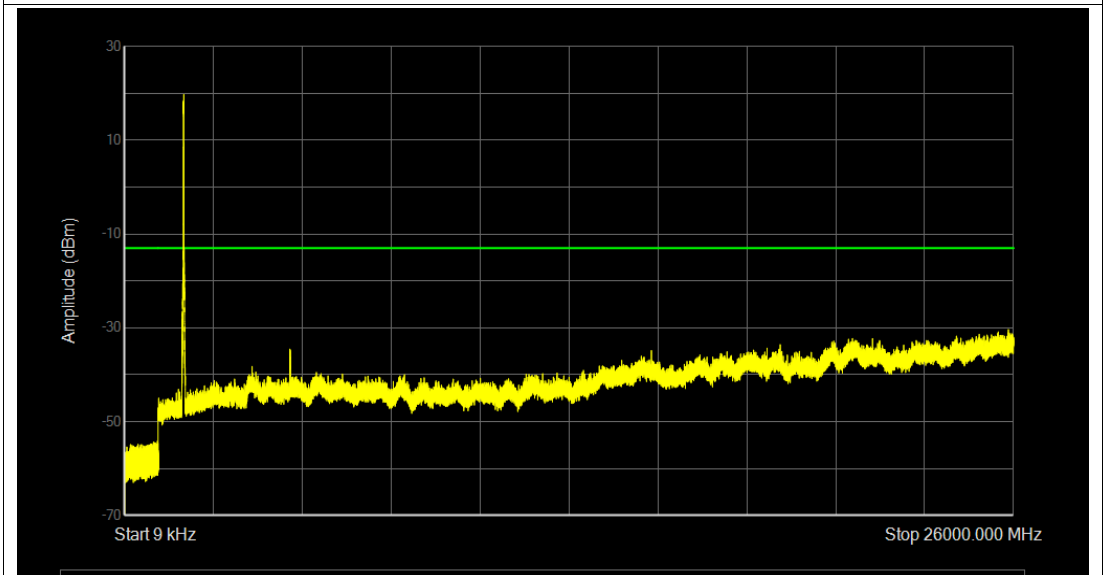
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-27.51	-13
2	0.15	30	10	0.15	-38.13	-13
3	30	1000	100	317.411	-53.97	-13
4	1000	26000	1000	25495.625	-30.94	-13

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	0.009172725	-33.76	-13
2	0.15	30	10	0.15	-36.63	-13
3	30	1000	100	71.39475	-53.5	-13
4	1000	26000	1000	25996.25	-30.24	-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	0.0110586	-32.71	-13
2	0.15	30	10	0.1514925	-39.79	-13
3	30	1000	100	980.4545	-54.2	-13
4	1000	26000	1000	25848.125	-30.37	-13

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