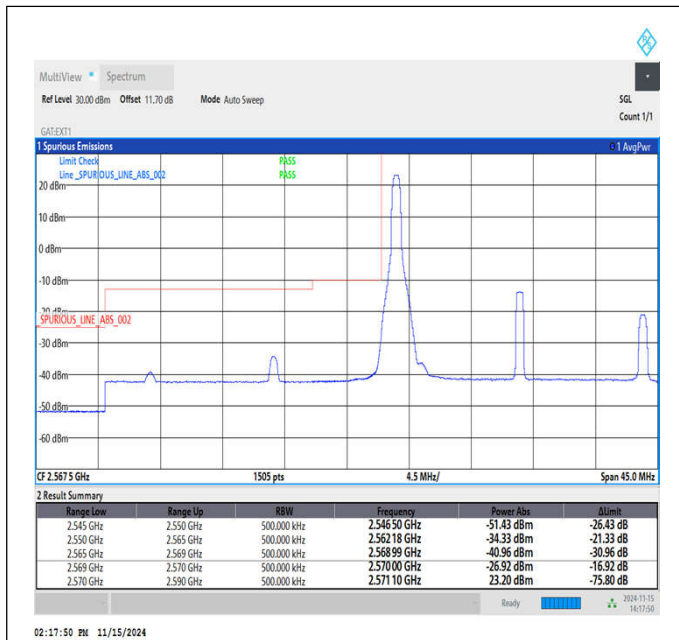
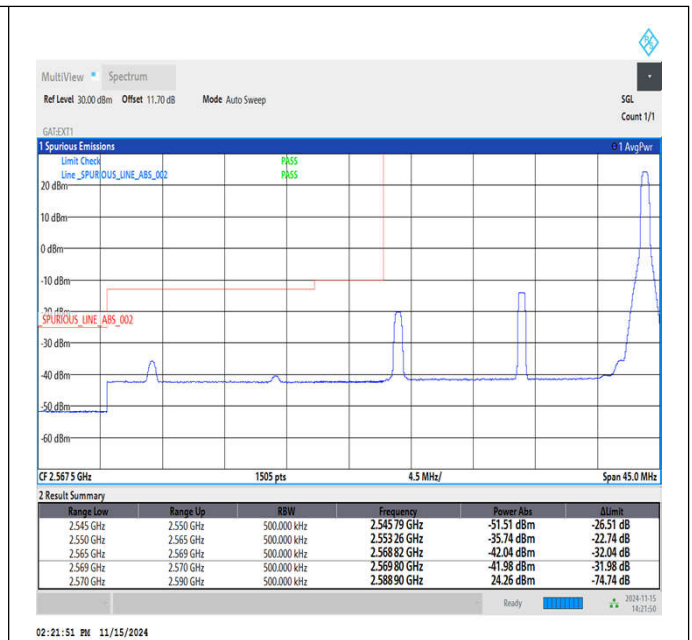
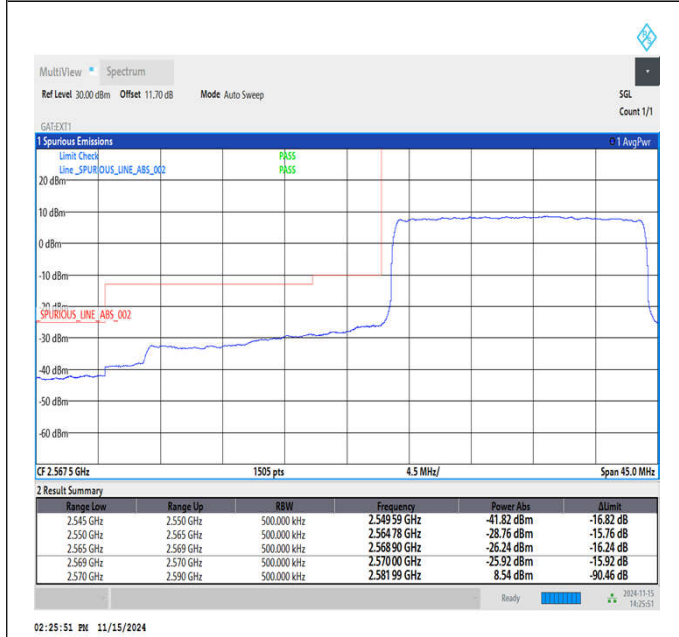




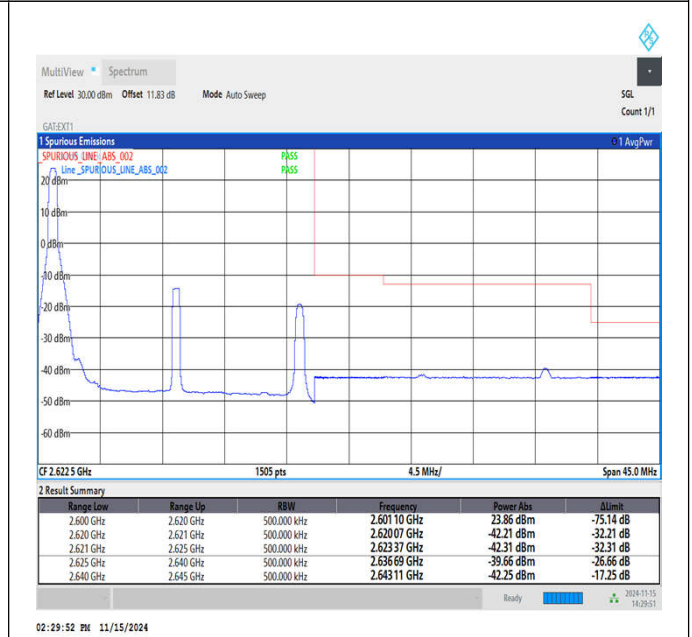
Band38_20MHz_QPSK_37850_1RB#0



Band38_20MHz_QPSK_37850_1RB#99

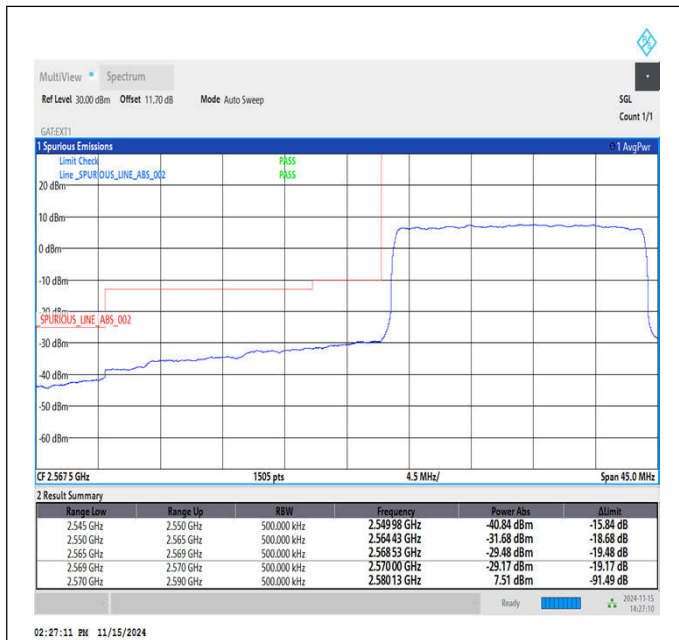


Band38_20MHz_QPSK_37850_100RB#0

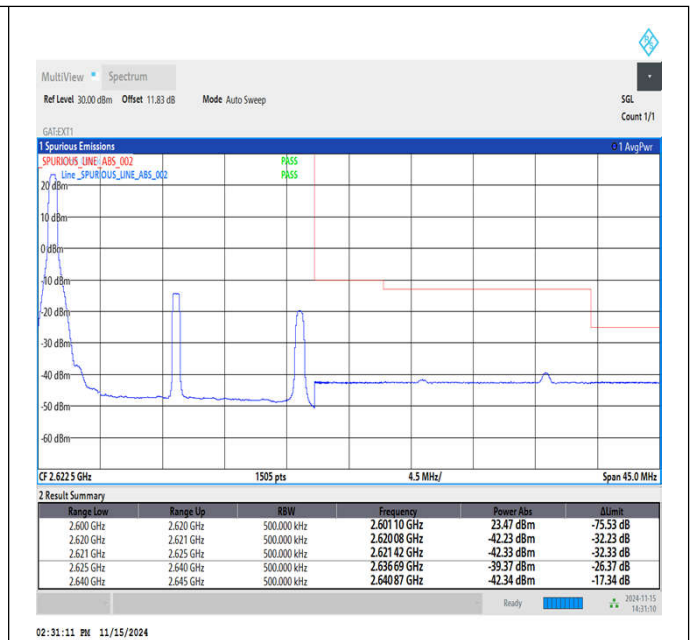


Band38_20MHz_QPSK_38150_1RB#0

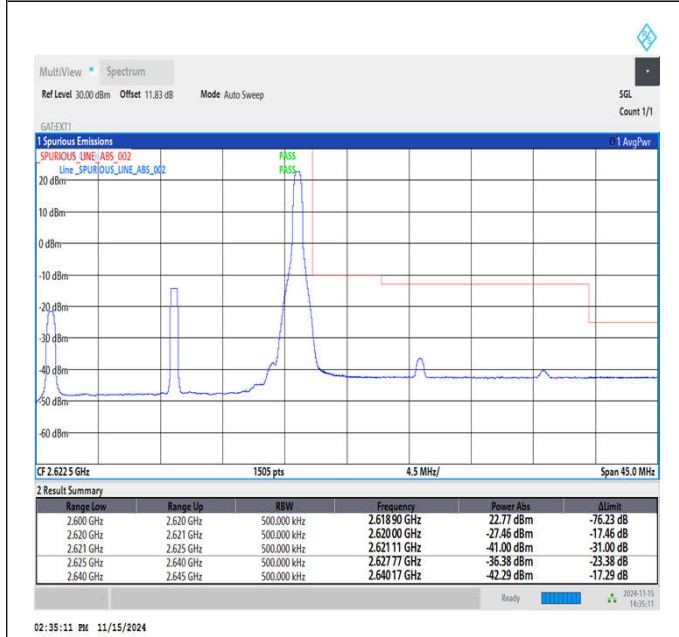




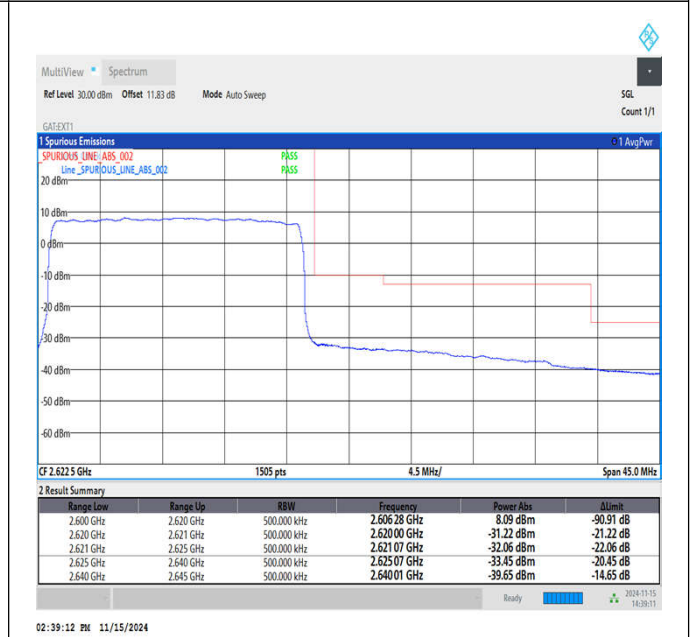
Band38_20MHz_16QAM_37850_100RB#0



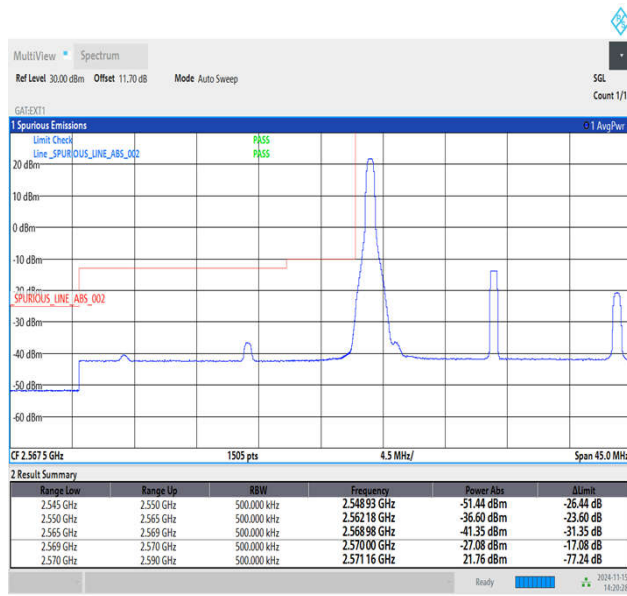
Band38_20MHz_16QAM_38150_1RB#0



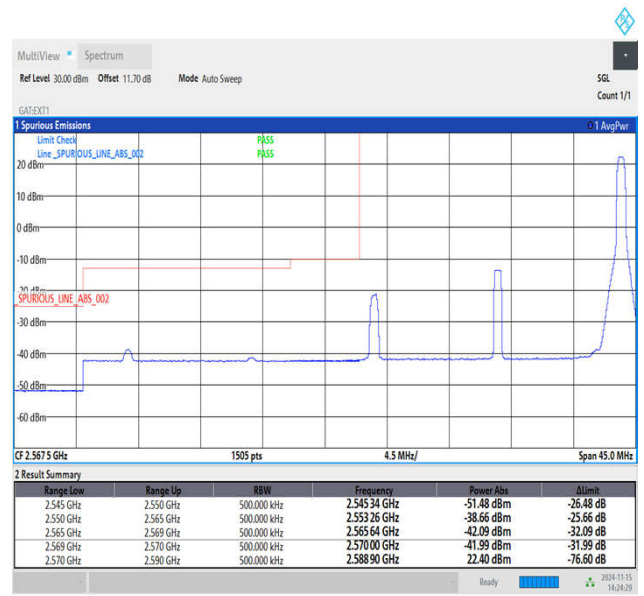
Band38_20MHz_16QAM_38150_1RB#99



Band38_20MHz_16QAM_38150_100RB#0



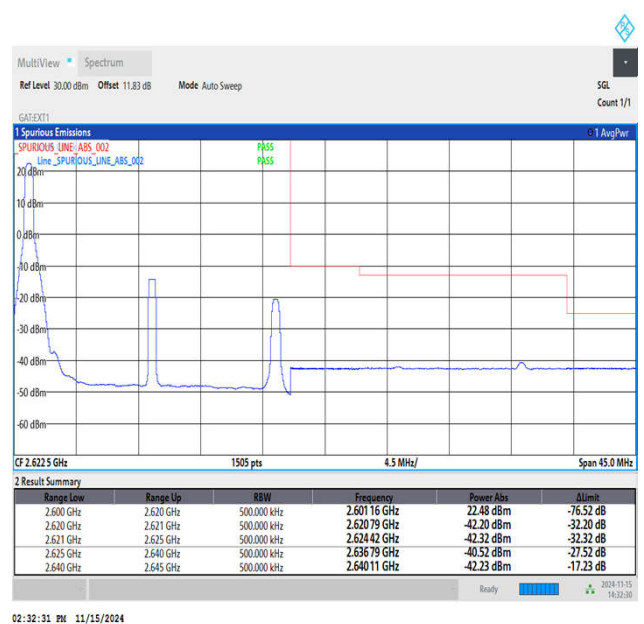
Band38_20MHz_64QAM_37850_1RB#0



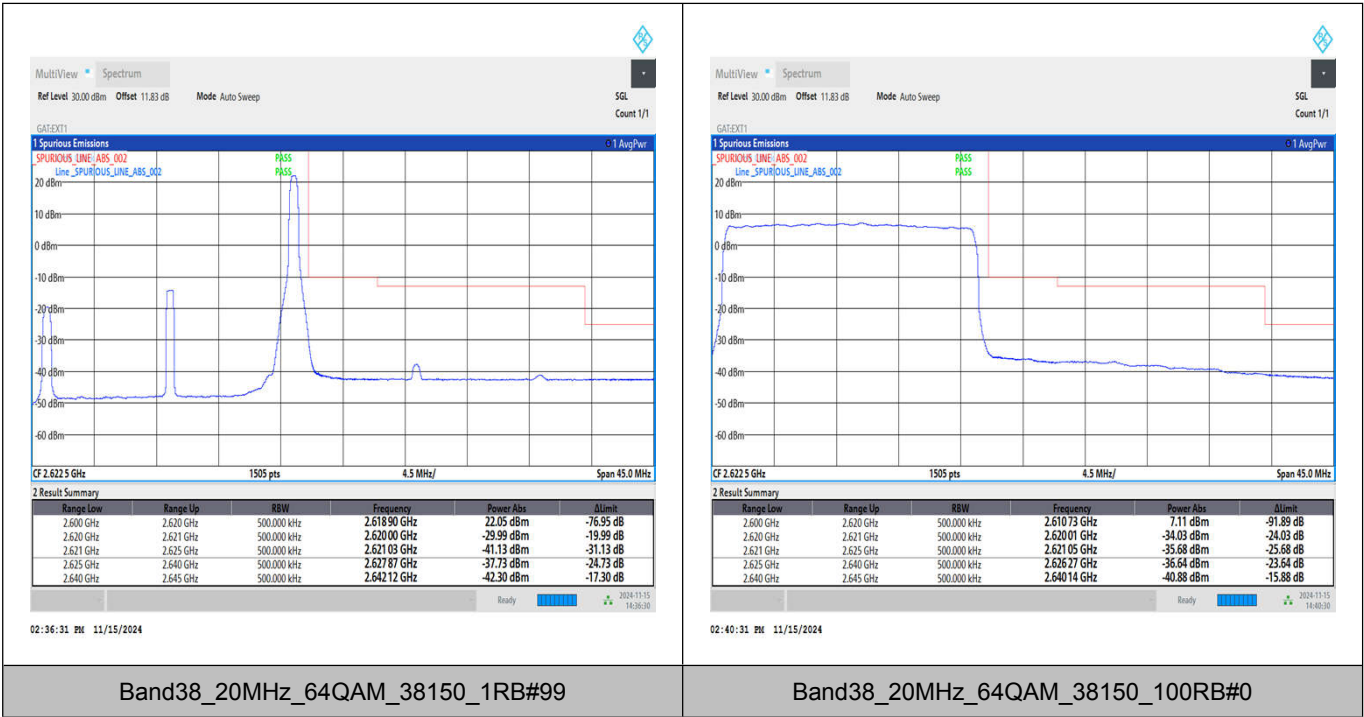
Band38_20MHz_64QAM_37850_1RB#99



Band38_20MHz_64QAM_37850_100RB#0



Band38_20MHz_64QAM_38150_1RB#0



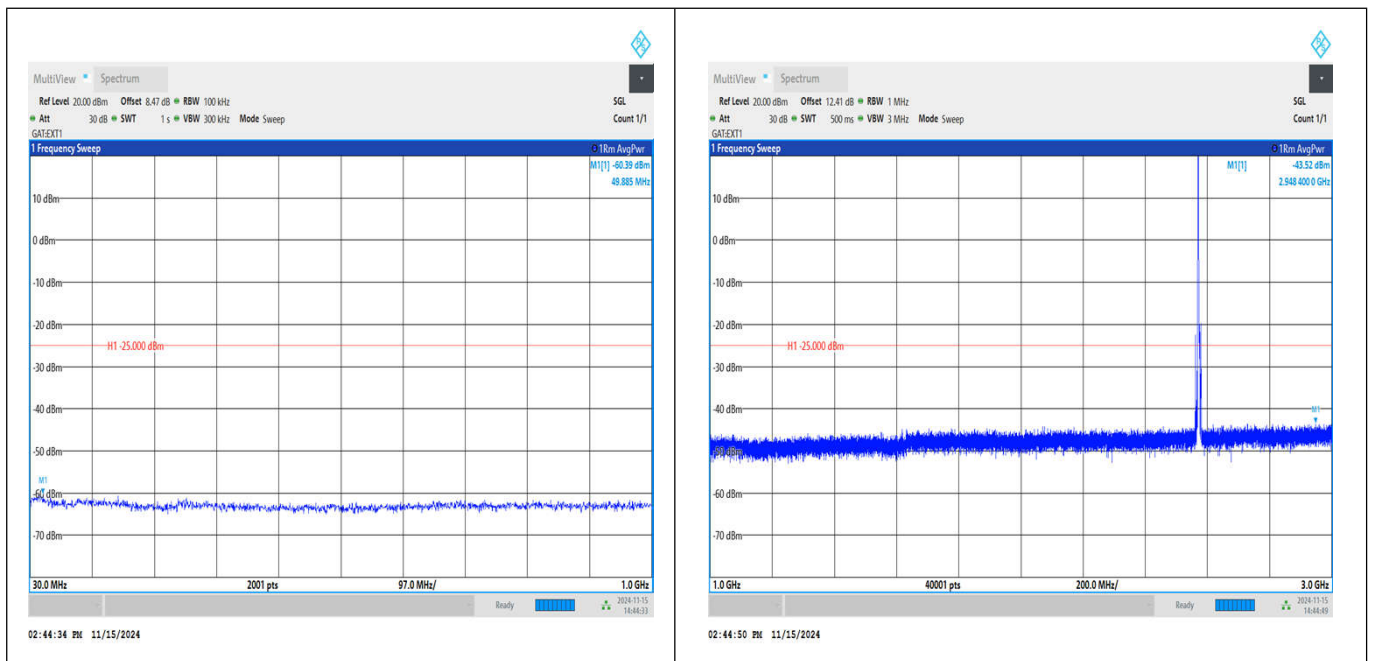
1.5 Conducted Spurious Emission

1.5.1 Test Result

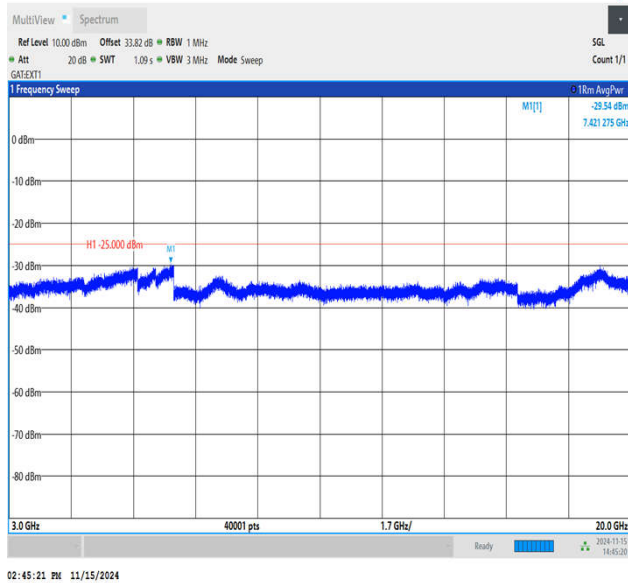
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	30~1000	-60.39	PASS
Band38	5MHz	QPSK	37775	1RB#0	1000~3000	-43.52	PASS
Band38	5MHz	QPSK	37775	1RB#0	3000~20000	-29.54	PASS
Band38	5MHz	QPSK	37775	1RB#0	20000~27000	-34.81	PASS
Band38	5MHz	QPSK	38000	1RB#0	30~1000	-60.50	PASS
Band38	5MHz	QPSK	38000	1RB#0	1000~3000	-43.01	PASS
Band38	5MHz	QPSK	38000	1RB#0	3000~20000	-29.46	PASS
Band38	5MHz	QPSK	38000	1RB#0	20000~27000	-34.22	PASS
Band38	5MHz	QPSK	38225	1RB#0	30~1000	-59.65	PASS
Band38	5MHz	QPSK	38225	1RB#0	1000~3000	-43.57	PASS
Band38	5MHz	QPSK	38225	1RB#0	3000~20000	-29.61	PASS
Band38	5MHz	QPSK	38225	1RB#0	20000~27000	-34.55	PASS
Band38	10MHz	QPSK	37800	1RB#0	30~1000	-60.50	PASS
Band38	10MHz	QPSK	37800	1RB#0	1000~3000	-43.06	PASS
Band38	10MHz	QPSK	37800	1RB#0	3000~20000	-29.39	PASS
Band38	10MHz	QPSK	37800	1RB#0	20000~27000	-34.63	PASS
Band38	10MHz	QPSK	38000	1RB#0	30~1000	-60.30	PASS
Band38	10MHz	QPSK	38000	1RB#0	1000~3000	-43.34	PASS
Band38	10MHz	QPSK	38000	1RB#0	3000~20000	-28.79	PASS
Band38	10MHz	QPSK	38000	1RB#0	20000~27000	-34.44	PASS
Band38	10MHz	QPSK	38200	1RB#0	30~1000	-60.05	PASS
Band38	10MHz	QPSK	38200	1RB#0	1000~3000	-43.32	PASS
Band38	10MHz	QPSK	38200	1RB#0	3000~20000	-29.50	PASS
Band38	10MHz	QPSK	38200	1RB#0	20000~27000	-34.13	PASS
Band38	15MHz	QPSK	37825	1RB#0	30~1000	-60.19	PASS
Band38	15MHz	QPSK	37825	1RB#0	1000~3000	-43.02	PASS
Band38	15MHz	QPSK	37825	1RB#0	3000~20000	-28.97	PASS
Band38	15MHz	QPSK	37825	1RB#0	20000~27000	-34.48	PASS

Band38	15MHz	QPSK	38000	1RB#0	30~1000	-60.36	PASS
Band38	15MHz	QPSK	38000	1RB#0	1000~3000	-42.57	PASS
Band38	15MHz	QPSK	38000	1RB#0	3000~20000	-29.49	PASS
Band38	15MHz	QPSK	38000	1RB#0	20000~27000	-34.43	PASS
Band38	15MHz	QPSK	38175	1RB#0	30~1000	-59.71	PASS
Band38	15MHz	QPSK	38175	1RB#0	1000~3000	-42.92	PASS
Band38	15MHz	QPSK	38175	1RB#0	3000~20000	-29.21	PASS
Band38	15MHz	QPSK	38175	1RB#0	20000~27000	-34.48	PASS
Band38	20MHz	QPSK	37850	1RB#0	30~1000	-59.97	PASS
Band38	20MHz	QPSK	37850	1RB#0	1000~3000	-43.06	PASS
Band38	20MHz	QPSK	37850	1RB#0	3000~20000	-29.08	PASS
Band38	20MHz	QPSK	37850	1RB#0	20000~27000	-34.52	PASS
Band38	20MHz	QPSK	38000	1RB#0	30~1000	-60.06	PASS
Band38	20MHz	QPSK	38000	1RB#0	1000~3000	-43.24	PASS
Band38	20MHz	QPSK	38000	1RB#0	3000~20000	-29.51	PASS
Band38	20MHz	QPSK	38000	1RB#0	20000~27000	-34.48	PASS
Band38	20MHz	QPSK	38150	1RB#0	30~1000	-59.94	PASS
Band38	20MHz	QPSK	38150	1RB#0	1000~3000	-43.03	PASS
Band38	20MHz	QPSK	38150	1RB#0	3000~20000	-29.42	PASS
Band38	20MHz	QPSK	38150	1RB#0	20000~27000	-34.55	PASS

1.5.2 Test Graphs

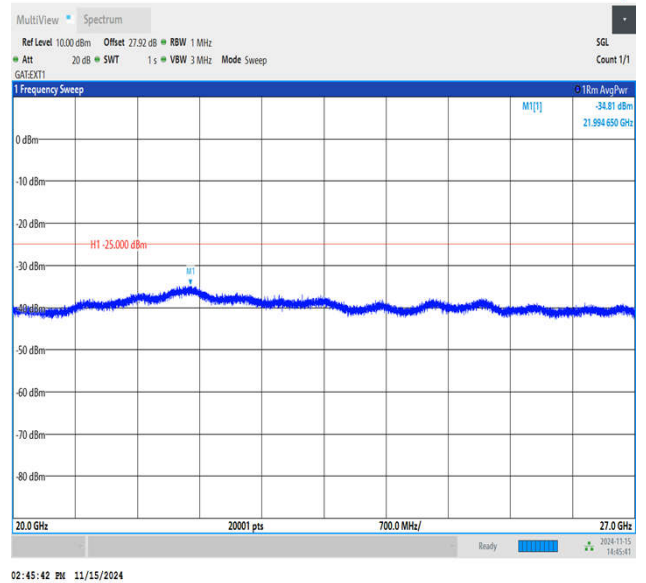


Band38_5MHz_QPSK_37775_1RB#0_30~1000_30~1000



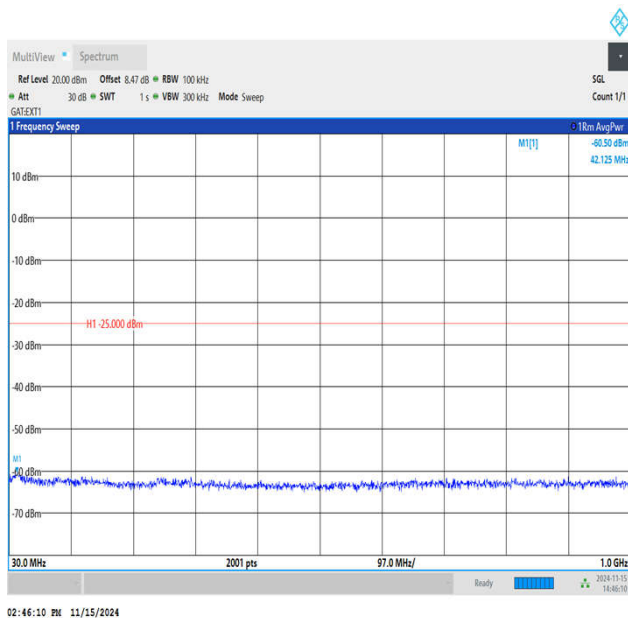
Band38_5MHz_QPSK_37775_1RB#0_1000~3000_1000~300

0



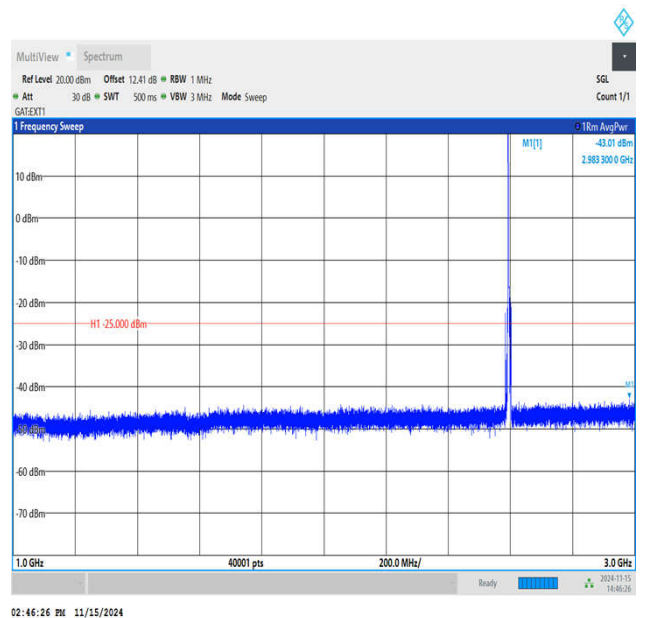
Band38_5MHz_QPSK_37775_1RB#0_3000~20000_3000~

20000



Band38_5MHz_QPSK_37775_1RB#0_20000~27000_20000~

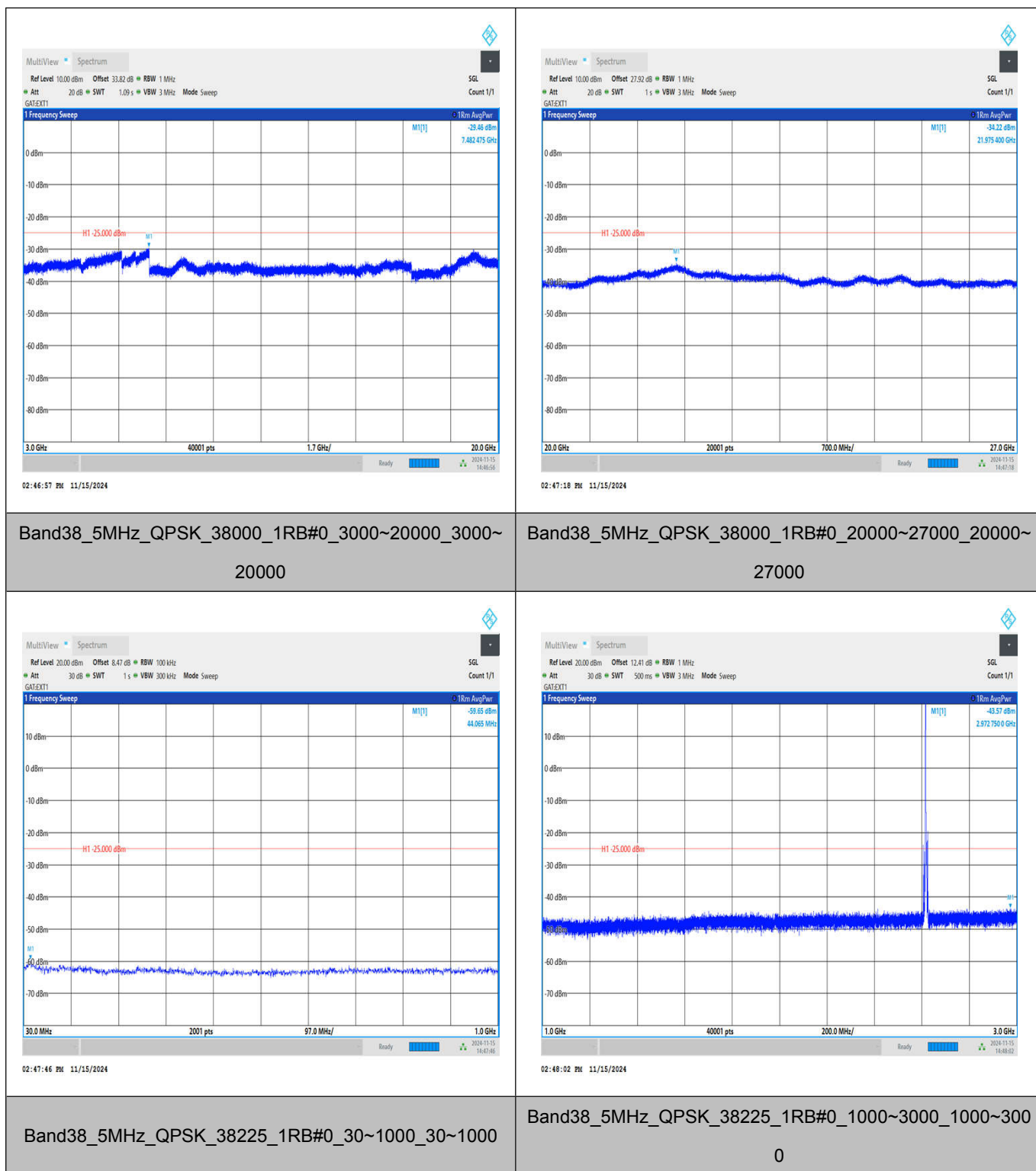
27000

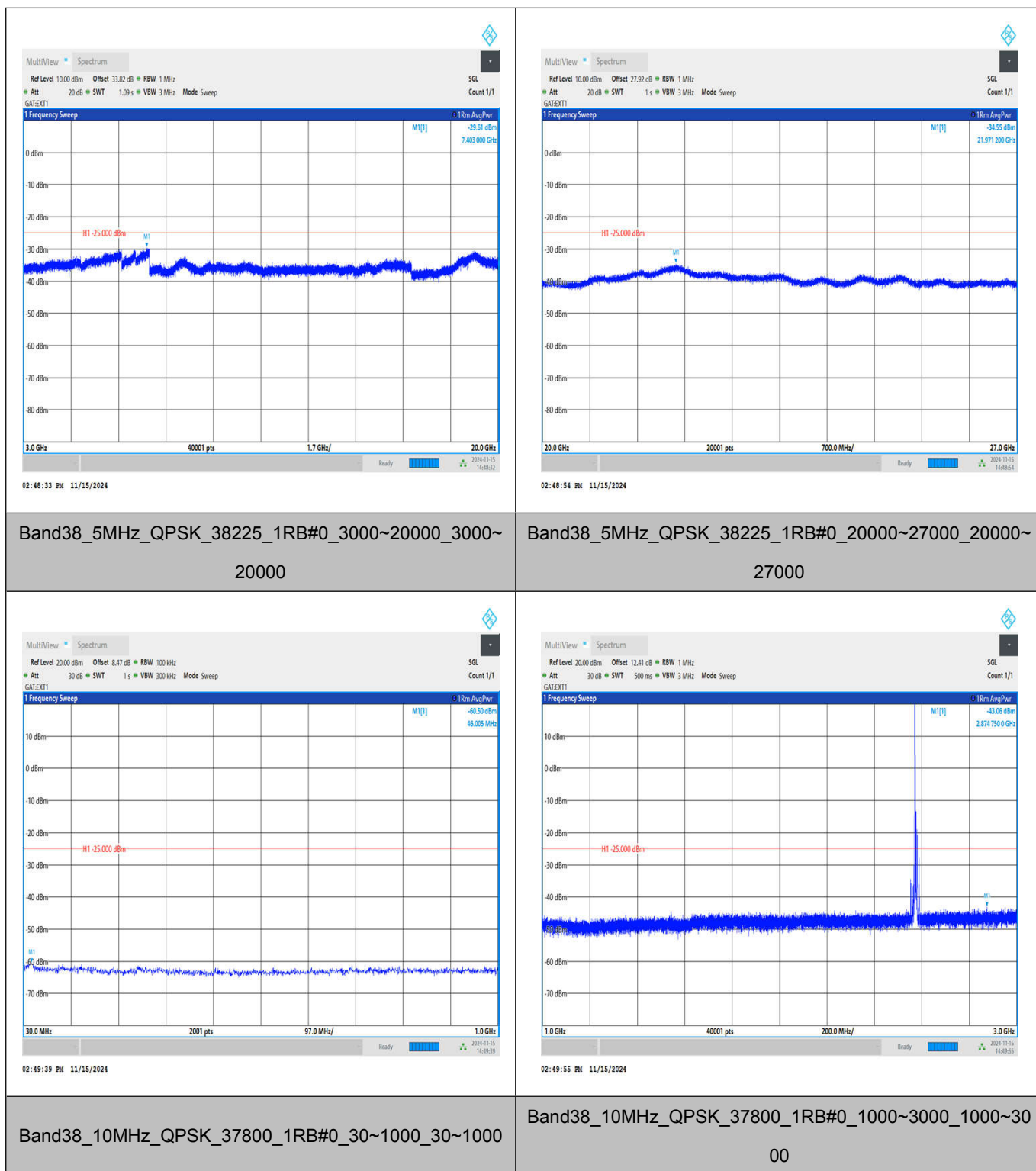


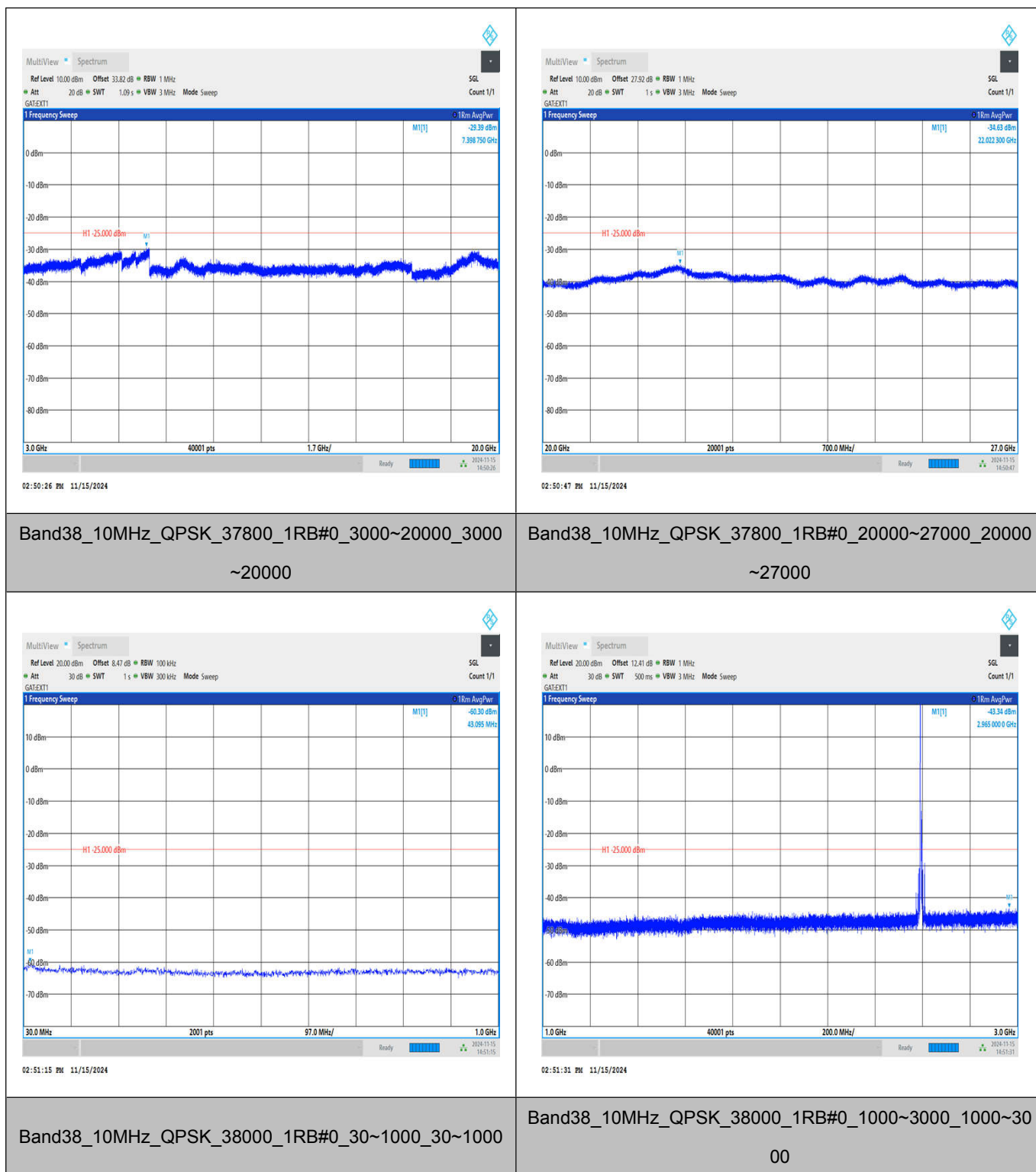
Band38_5MHz_QPSK_38000_1RB#0_30~1000_30~1000

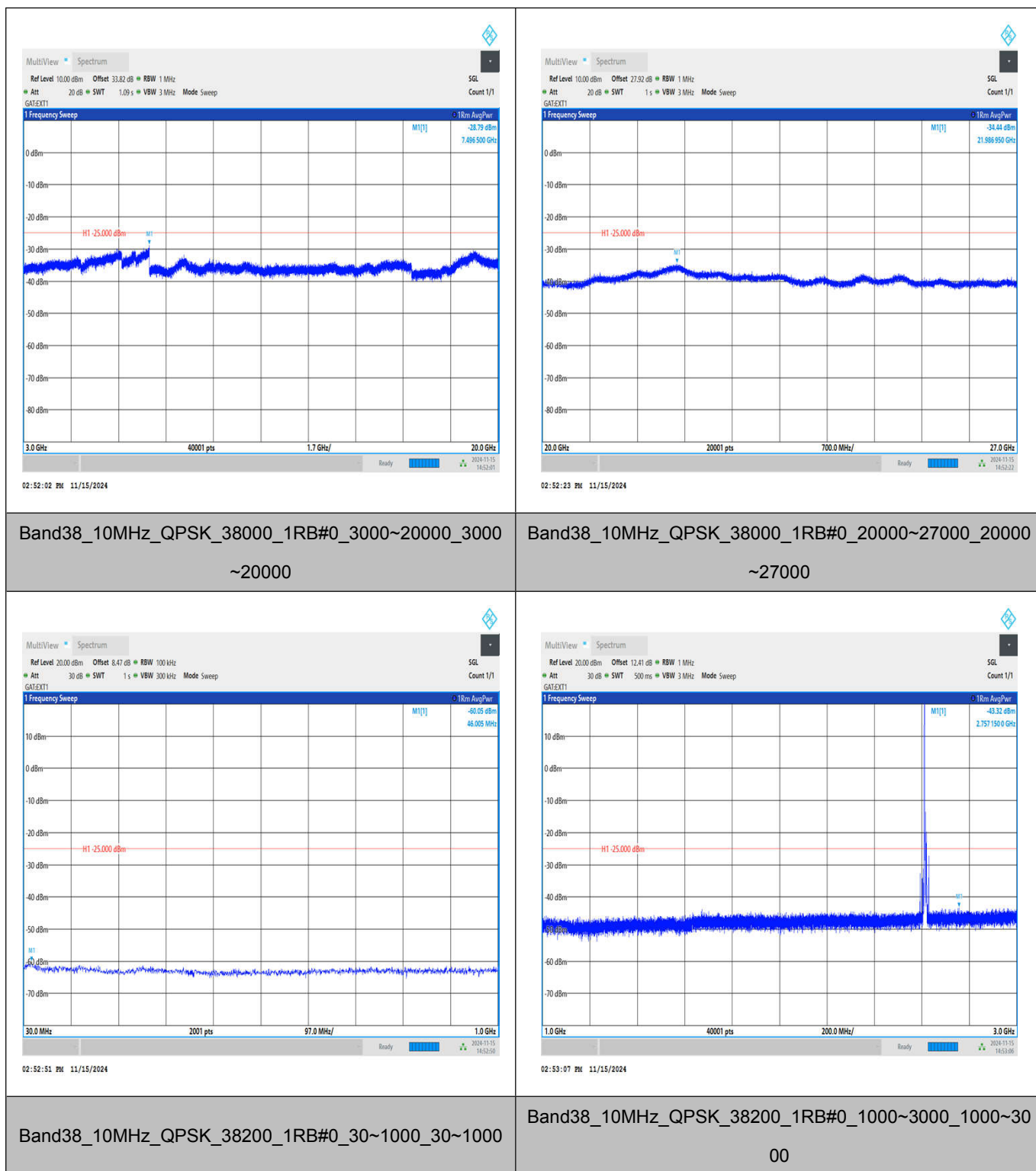
Band38_5MHz_QPSK_38000_1RB#0_1000~3000_1000~300

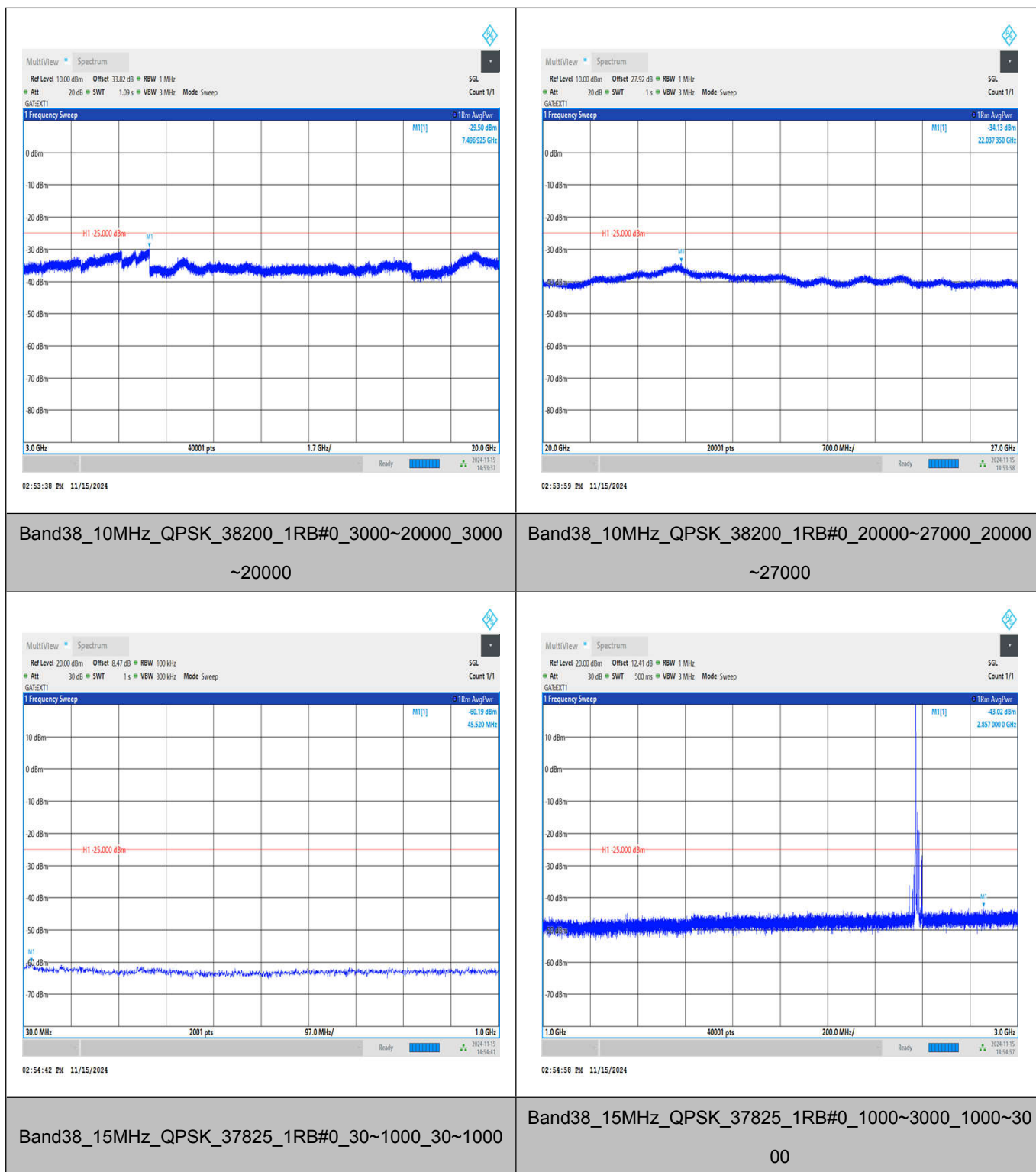
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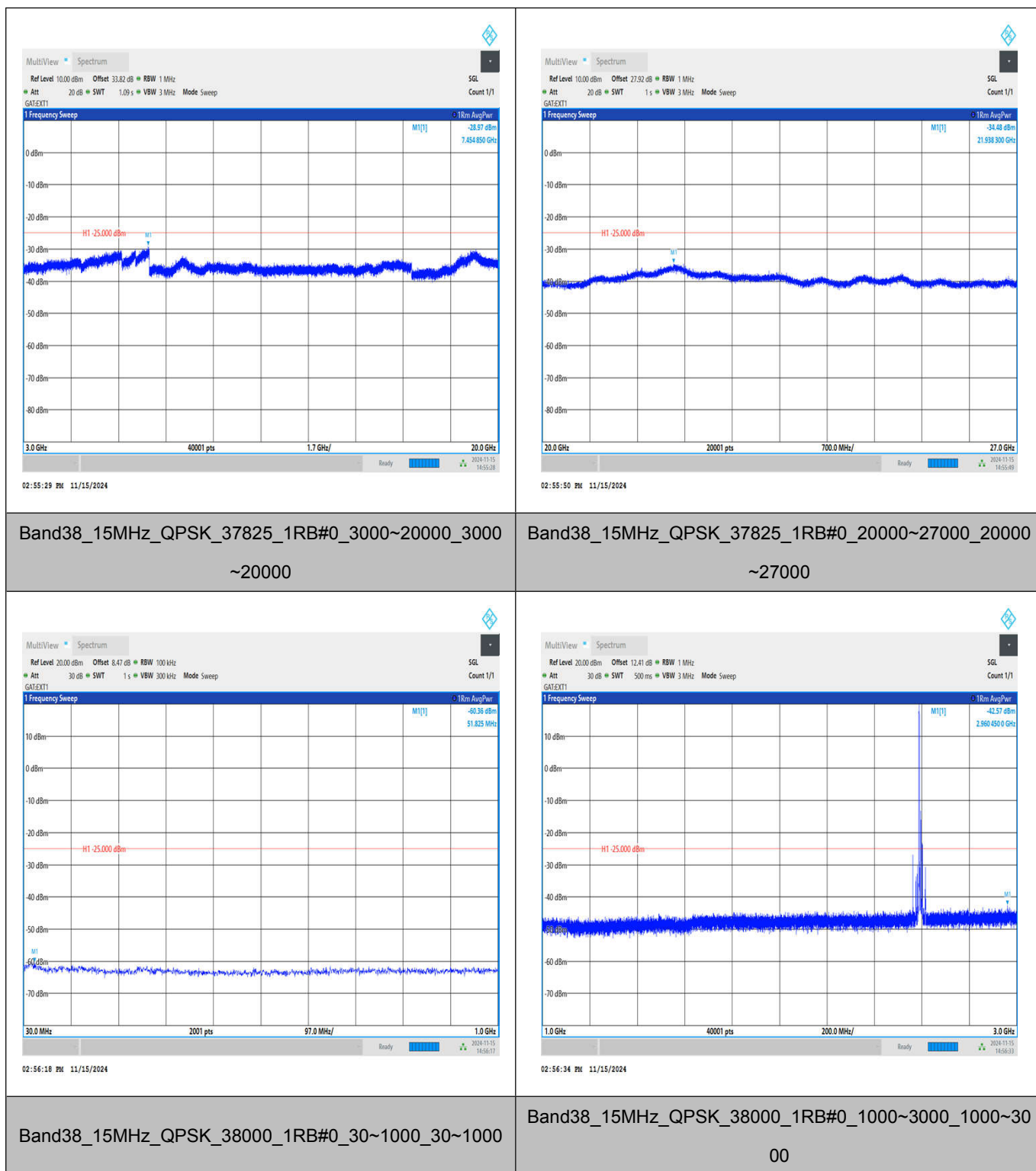


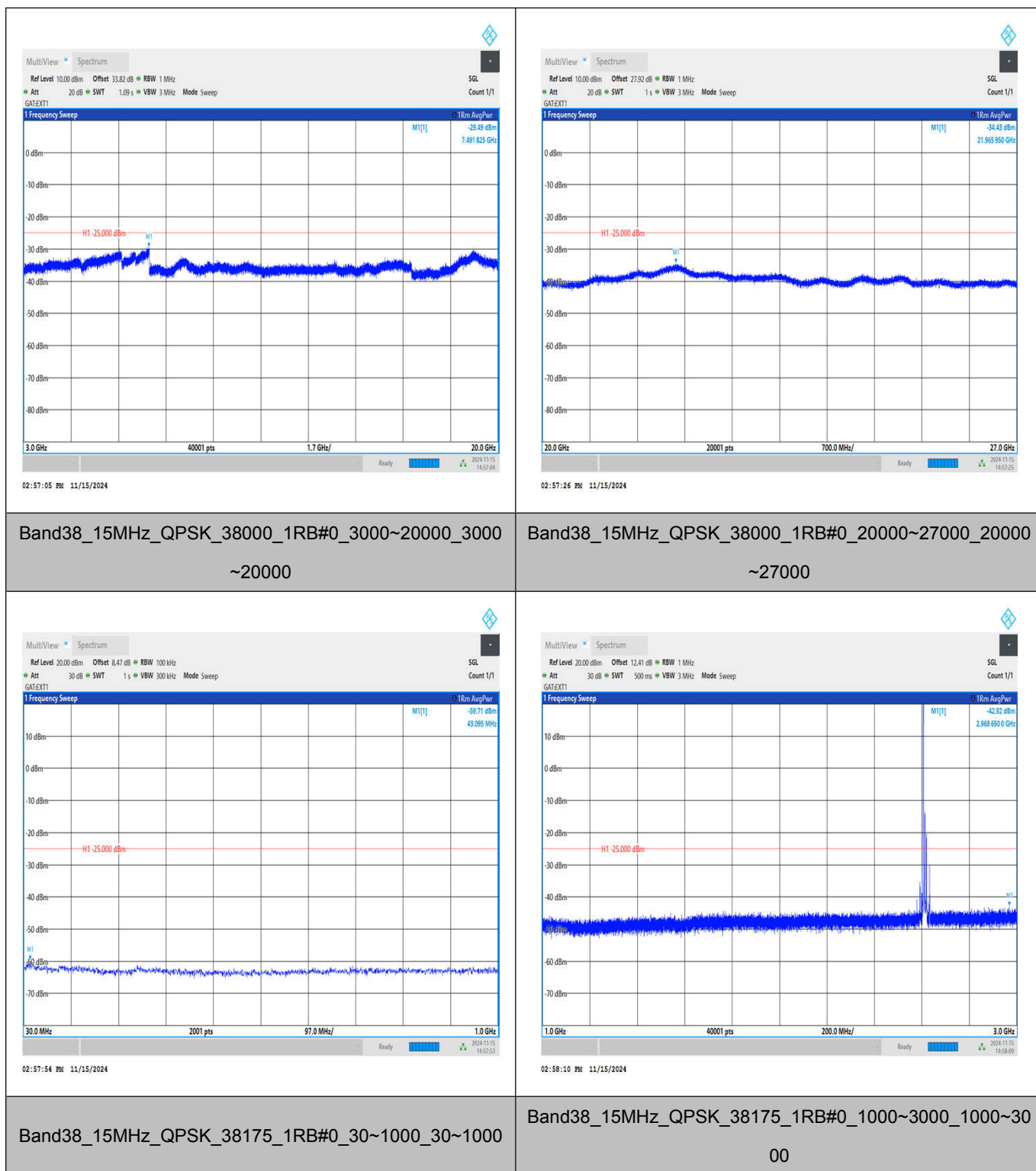


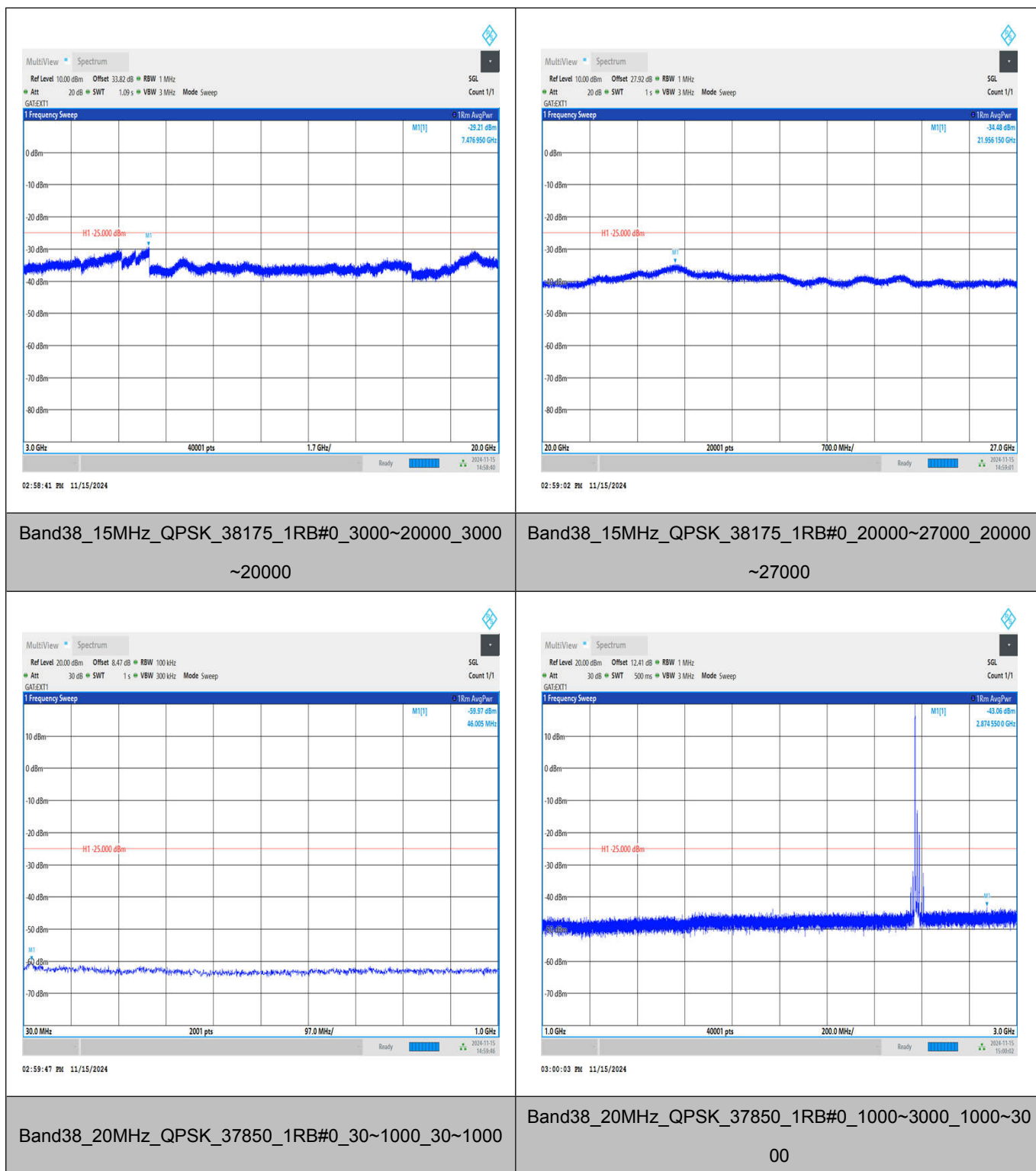


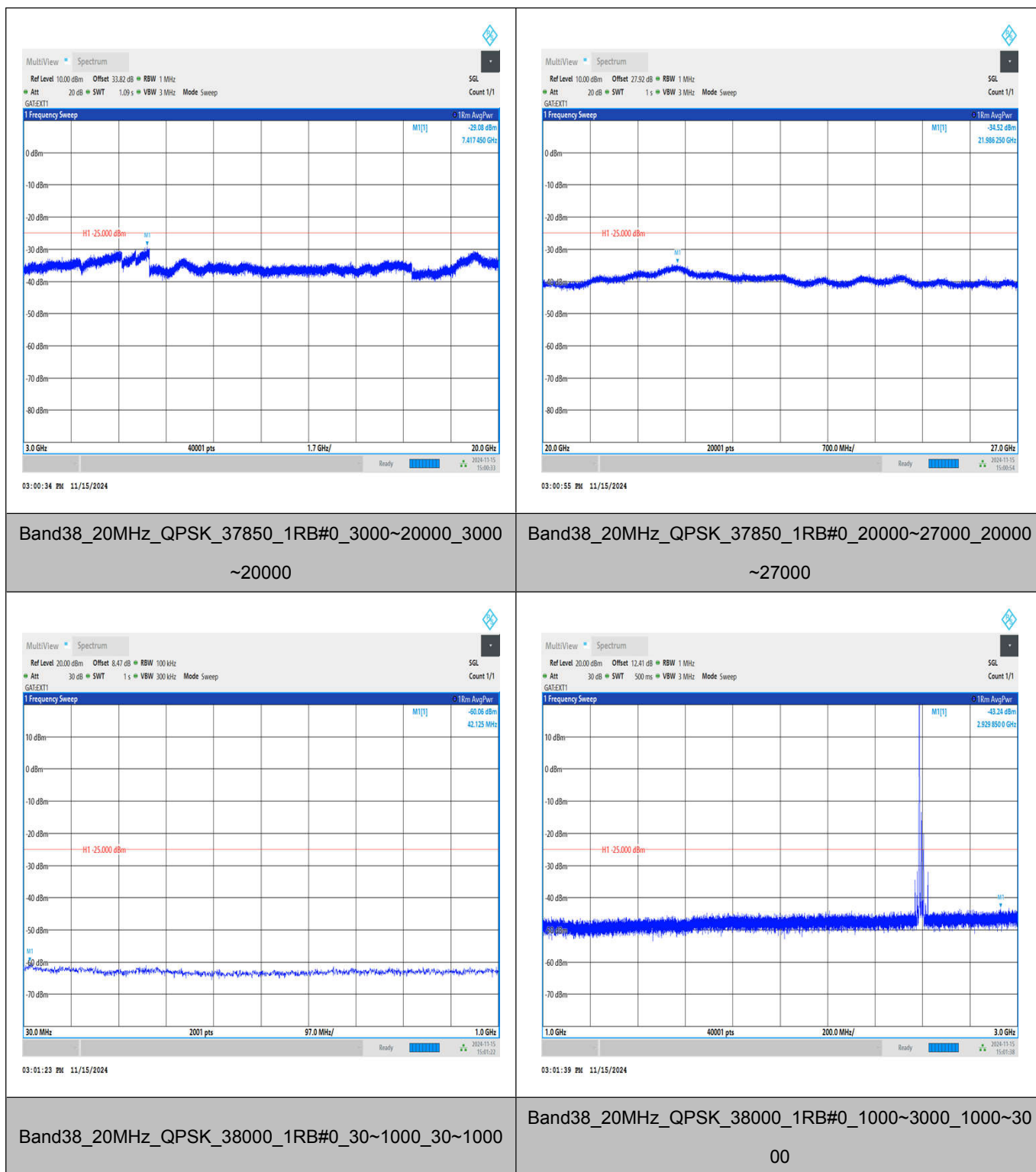


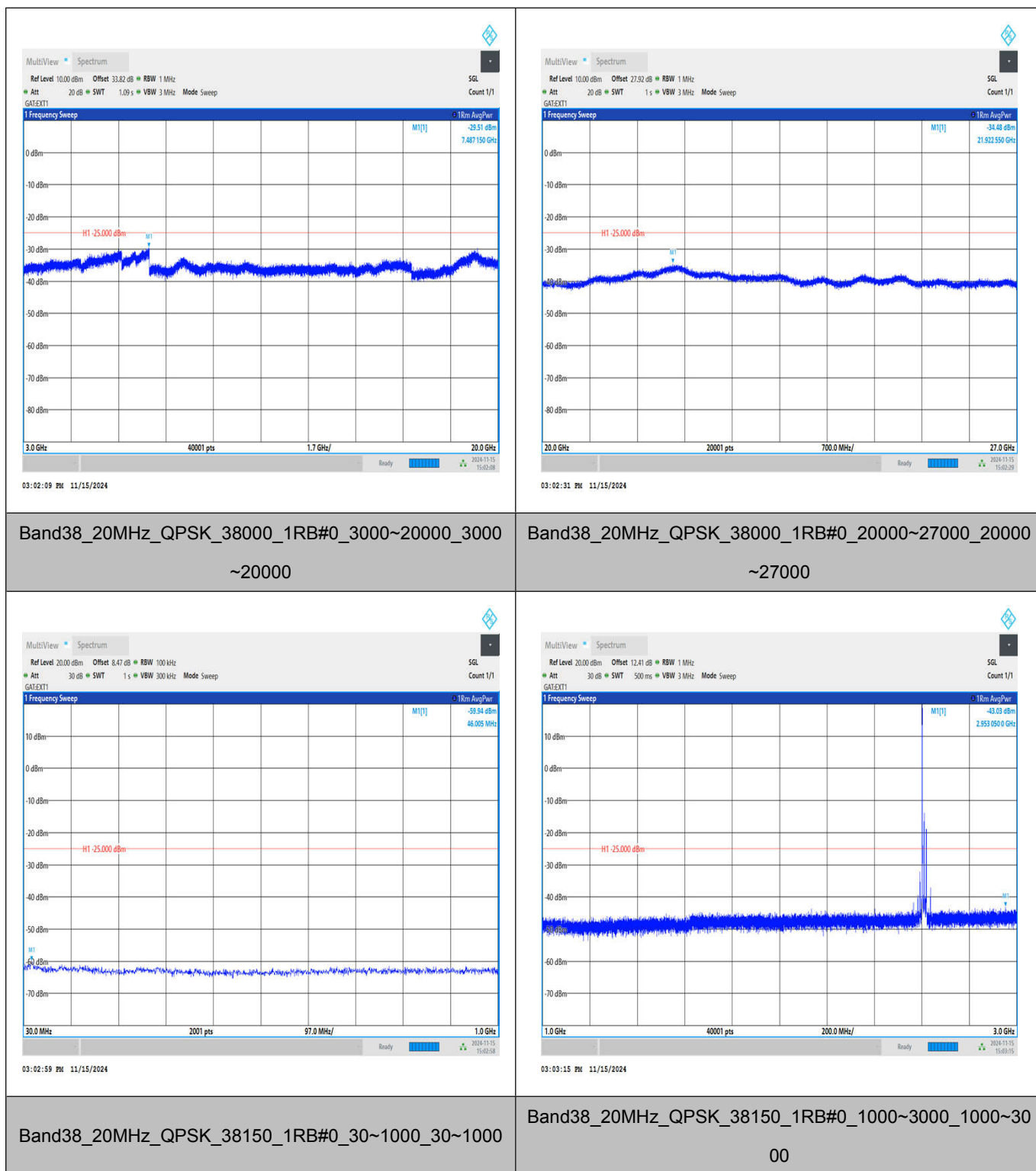


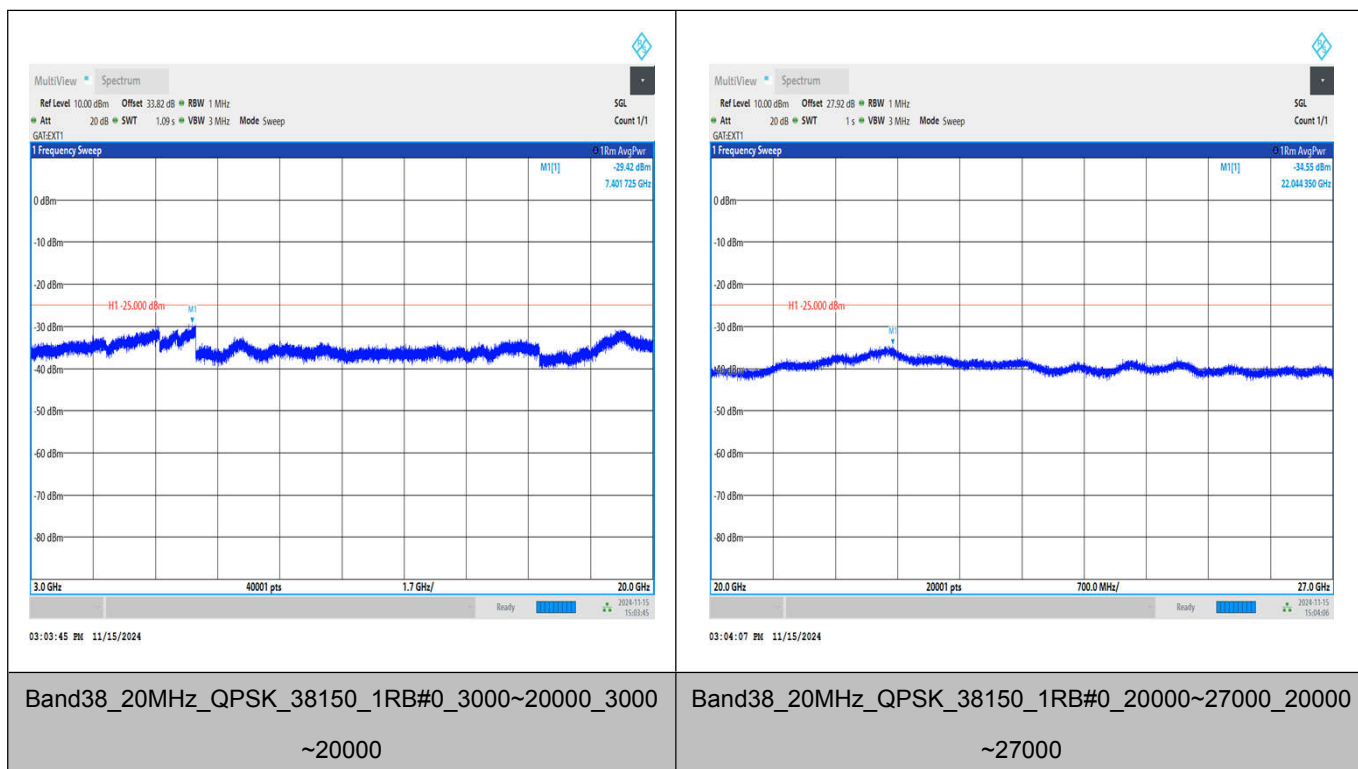












1.6 Frequency Stability

1.6.1 Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	VN	NT	-2.80	-0.001088	±2.5
Band38	5MHz	QPSK	37775	25RB#0	VL	NT	-0.10	-0.000039	±2.5
Band38	5MHz	QPSK	37775	25RB#0	VH	NT	1.20	0.000466	±2.5
Band38	5MHz	QPSK	38000	25RB#0	VN	NT	0.70	0.000270	±2.5
Band38	5MHz	QPSK	38000	25RB#0	VL	NT	-2.00	-0.000771	±2.5
Band38	5MHz	QPSK	38000	25RB#0	VH	NT	2.20	0.000848	±2.5
Band38	5MHz	QPSK	38225	25RB#0	VN	NT	0.00	0.000000	±2.5
Band38	5MHz	QPSK	38225	25RB#0	VL	NT	0.00	0.000000	±2.5
Band38	5MHz	QPSK	38225	25RB#0	VH	NT	0.30	0.000115	±2.5
Band38	10MHz	QPSK	37800	50RB#0	VN	NT	1.60	0.000621	±2.5
Band38	10MHz	QPSK	37800	50RB#0	VL	NT	0.60	0.000233	±2.5
Band38	10MHz	QPSK	37800	50RB#0	VH	NT	2.10	0.000816	±2.5
Band38	10MHz	QPSK	38000	50RB#0	VN	NT	-2.50	-0.000963	±2.5
Band38	10MHz	QPSK	38000	50RB#0	VL	NT	1.20	0.000462	±2.5
Band38	10MHz	QPSK	38000	50RB#0	VH	NT	-3.50	-0.001349	±2.5
Band38	10MHz	QPSK	38200	50RB#0	VN	NT	6.60	0.002524	±2.5
Band38	10MHz	QPSK	38200	50RB#0	VL	NT	8.80	0.003365	±2.5
Band38	10MHz	QPSK	38200	50RB#0	VH	NT	0.90	0.000344	±2.5
Band38	15MHz	QPSK	37825	75RB#0	VN	NT	2.40	0.000931	±2.5
Band38	15MHz	QPSK	37825	75RB#0	VL	NT	3.90	0.001513	±2.5
Band38	15MHz	QPSK	37825	75RB#0	VH	NT	3.00	0.001164	±2.5
Band38	15MHz	QPSK	38000	75RB#0	VN	NT	-4.20	-0.001618	±2.5
Band38	15MHz	QPSK	38000	75RB#0	VL	NT	-2.00	-0.000771	±2.5
Band38	15MHz	QPSK	38000	75RB#0	VH	NT	-1.70	-0.000655	±2.5
Band38	15MHz	QPSK	38175	75RB#0	VN	NT	2.20	0.000842	±2.5
Band38	15MHz	QPSK	38175	75RB#0	VL	NT	3.30	0.001263	±2.5
Band38	15MHz	QPSK	38175	75RB#0	VH	NT	4.80	0.001837	±2.5

Band38	20MHz	QPSK	37850	100RB#0	VN	NT	-5.60	-0.002171	±2.5
Band38	20MHz	QPSK	37850	100RB#0	VL	NT	-3.30	-0.001279	±2.5
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-5.40	-0.002093	±2.5
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-3.90	-0.001503	±2.5
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-4.40	-0.001696	±2.5
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-3.40	-0.001310	±2.5
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	-4.10	-0.001571	±2.5
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	-3.90	-0.001494	±2.5
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	-2.30	-0.000881	±2.5

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	NV	-30	-0.40	-0.000155	±2.5
Band38	5MHz	QPSK	37775	25RB#0	NV	-20	0.40	0.000155	±2.5
Band38	5MHz	QPSK	37775	25RB#0	NV	-10	-1.30	-0.000505	±2.5
Band38	5MHz	QPSK	37775	25RB#0	NV	0	-1.80	-0.000700	±2.5
Band38	5MHz	QPSK	37775	25RB#0	NV	10	14.40	0.005598	±2.5
Band38	5MHz	QPSK	37775	25RB#0	NV	20	-0.60	-0.000233	±2.5
Band38	5MHz	QPSK	37775	25RB#0	NV	30	-2.90	-0.001127	±2.5
Band38	5MHz	QPSK	37775	25RB#0	NV	40	-3.20	-0.001244	±2.5
Band38	5MHz	QPSK	37775	25RB#0	NV	50	0.00	0.000000	±2.5
Band38	5MHz	QPSK	38000	25RB#0	NV	-30	-0.70	-0.000270	±2.5
Band38	5MHz	QPSK	38000	25RB#0	NV	-20	-1.00	-0.000385	±2.5
Band38	5MHz	QPSK	38000	25RB#0	NV	-10	-2.00	-0.000771	±2.5
Band38	5MHz	QPSK	38000	25RB#0	NV	0	0.30	0.000116	±2.5
Band38	5MHz	QPSK	38000	25RB#0	NV	10	-0.90	-0.000347	±2.5
Band38	5MHz	QPSK	38000	25RB#0	NV	20	-0.70	-0.000270	±2.5
Band38	5MHz	QPSK	38000	25RB#0	NV	30	-2.60	-0.001002	±2.5
Band38	5MHz	QPSK	38000	25RB#0	NV	40	1.20	0.000462	±2.5
Band38	5MHz	QPSK	38000	25RB#0	NV	50	-1.40	-0.000539	±2.5
Band38	5MHz	QPSK	38225	25RB#0	NV	-30	-1.10	-0.000420	±2.5
Band38	5MHz	QPSK	38225	25RB#0	NV	-20	-3.00	-0.001146	±2.5
Band38	5MHz	QPSK	38225	25RB#0	NV	-10	-2.00	-0.000764	±2.5
Band38	5MHz	QPSK	38225	25RB#0	NV	0	-2.30	-0.000879	±2.5

Band38	5MHz	QPSK	38225	25RB#0	NV	10	-2.10	-0.000802	±2.5
Band38	5MHz	QPSK	38225	25RB#0	NV	20	-2.30	-0.000879	±2.5
Band38	5MHz	QPSK	38225	25RB#0	NV	30	1.20	0.000458	±2.5
Band38	5MHz	QPSK	38225	25RB#0	NV	40	-4.30	-0.001643	±2.5
Band38	5MHz	QPSK	38225	25RB#0	NV	50	2.10	0.000802	±2.5
Band38	10MHz	QPSK	37800	50RB#0	NV	-30	0.90	0.000350	±2.5
Band38	10MHz	QPSK	37800	50RB#0	NV	-20	3.10	0.001204	±2.5
Band38	10MHz	QPSK	37800	50RB#0	NV	-10	-1.80	-0.000699	±2.5
Band38	10MHz	QPSK	37800	50RB#0	NV	0	-1.40	-0.000544	±2.5
Band38	10MHz	QPSK	37800	50RB#0	NV	10	2.10	0.000816	±2.5
Band38	10MHz	QPSK	37800	50RB#0	NV	20	-1.00	-0.000388	±2.5
Band38	10MHz	QPSK	37800	50RB#0	NV	30	2.60	0.001010	±2.5
Band38	10MHz	QPSK	37800	50RB#0	NV	40	3.20	0.001243	±2.5
Band38	10MHz	QPSK	37800	50RB#0	NV	50	3.60	0.001398	±2.5
Band38	10MHz	QPSK	38000	50RB#0	NV	-30	-5.70	-0.002197	±2.5
Band38	10MHz	QPSK	38000	50RB#0	NV	-20	-4.90	-0.001888	±2.5
Band38	10MHz	QPSK	38000	50RB#0	NV	-10	-1.50	-0.000578	±2.5
Band38	10MHz	QPSK	38000	50RB#0	NV	0	-2.10	-0.000809	±2.5
Band38	10MHz	QPSK	38000	50RB#0	NV	10	-3.40	-0.001310	±2.5
Band38	10MHz	QPSK	38000	50RB#0	NV	20	-3.00	-0.001156	±2.5
Band38	10MHz	QPSK	38000	50RB#0	NV	30	-5.30	-0.002042	±2.5
Band38	10MHz	QPSK	38000	50RB#0	NV	40	-2.50	-0.000963	±2.5
Band38	10MHz	QPSK	38000	50RB#0	NV	50	-2.70	-0.001040	±2.5
Band38	10MHz	QPSK	38200	50RB#0	NV	-30	3.00	0.001147	±2.5
Band38	10MHz	QPSK	38200	50RB#0	NV	-20	6.30	0.002409	±2.5
Band38	10MHz	QPSK	38200	50RB#0	NV	-10	3.80	0.001453	±2.5
Band38	10MHz	QPSK	38200	50RB#0	NV	0	4.90	0.001874	±2.5
Band38	10MHz	QPSK	38200	50RB#0	NV	10	1.30	0.000497	±2.5
Band38	10MHz	QPSK	38200	50RB#0	NV	20	4.70	0.001797	±2.5
Band38	10MHz	QPSK	38200	50RB#0	NV	30	5.00	0.001912	±2.5
Band38	10MHz	QPSK	38200	50RB#0	NV	40	4.10	0.001568	±2.5
Band38	10MHz	QPSK	38200	50RB#0	NV	50	0.70	0.000268	±2.5
Band38	15MHz	QPSK	37825	75RB#0	NV	-30	1.00	0.000388	±2.5
Band38	15MHz	QPSK	37825	75RB#0	NV	-20	0.00	0.000000	±2.5

Band38	15MHz	QPSK	37825	75RB#0	NV	-10	1.80	0.000698	±2.5
Band38	15MHz	QPSK	37825	75RB#0	NV	0	3.50	0.001358	±2.5
Band38	15MHz	QPSK	37825	75RB#0	NV	10	2.80	0.001086	±2.5
Band38	15MHz	QPSK	37825	75RB#0	NV	20	0.60	0.000233	±2.5
Band38	15MHz	QPSK	37825	75RB#0	NV	30	3.70	0.001435	±2.5
Band38	15MHz	QPSK	37825	75RB#0	NV	40	0.80	0.000310	±2.5
Band38	15MHz	QPSK	37825	75RB#0	NV	50	0.70	0.000272	±2.5
Band38	15MHz	QPSK	38000	75RB#0	NV	-30	-5.00	-0.001927	±2.5
Band38	15MHz	QPSK	38000	75RB#0	NV	-20	-1.10	-0.000424	±2.5
Band38	15MHz	QPSK	38000	75RB#0	NV	-10	-4.00	-0.001541	±2.5
Band38	15MHz	QPSK	38000	75RB#0	NV	0	-2.40	-0.000925	±2.5
Band38	15MHz	QPSK	38000	75RB#0	NV	10	-3.30	-0.001272	±2.5
Band38	15MHz	QPSK	38000	75RB#0	NV	20	-1.80	-0.000694	±2.5
Band38	15MHz	QPSK	38000	75RB#0	NV	30	-1.90	-0.000732	±2.5
Band38	15MHz	QPSK	38000	75RB#0	NV	40	-0.80	-0.000308	±2.5
Band38	15MHz	QPSK	38000	75RB#0	NV	50	-2.40	-0.000925	±2.5
Band38	15MHz	QPSK	38175	75RB#0	NV	-30	1.40	0.000536	±2.5
Band38	15MHz	QPSK	38175	75RB#0	NV	-20	1.30	0.000498	±2.5
Band38	15MHz	QPSK	38175	75RB#0	NV	-10	0.90	0.000344	±2.5
Band38	15MHz	QPSK	38175	75RB#0	NV	0	-0.60	-0.000230	±2.5
Band38	15MHz	QPSK	38175	75RB#0	NV	10	0.30	0.000115	±2.5
Band38	15MHz	QPSK	38175	75RB#0	NV	20	-1.40	-0.000536	±2.5
Band38	15MHz	QPSK	38175	75RB#0	NV	30	5.40	0.002067	±2.5
Band38	15MHz	QPSK	38175	75RB#0	NV	40	1.10	0.000421	±2.5
Band38	15MHz	QPSK	38175	75RB#0	NV	50	4.00	0.001531	±2.5
Band38	20MHz	QPSK	37850	100RB#0	NV	-30	-2.20	-0.000853	±2.5
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-4.30	-0.001667	±2.5
Band38	20MHz	QPSK	37850	100RB#0	NV	-10	-4.00	-0.001550	±2.5
Band38	20MHz	QPSK	37850	100RB#0	NV	0	-4.50	-0.001744	±2.5
Band38	20MHz	QPSK	37850	100RB#0	NV	10	-4.80	-0.001860	±2.5
Band38	20MHz	QPSK	37850	100RB#0	NV	20	-5.10	-0.001977	±2.5
Band38	20MHz	QPSK	37850	100RB#0	NV	30	-2.20	-0.000853	±2.5
Band38	20MHz	QPSK	37850	100RB#0	NV	40	-4.10	-0.001589	±2.5
Band38	20MHz	QPSK	37850	100RB#0	NV	50	-4.90	-0.001899	±2.5

Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-6.20	-0.002389	±2.5
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-7.70	-0.002967	±2.5
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	-4.20	-0.001618	±2.5
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-0.90	-0.000347	±2.5
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-3.40	-0.001310	±2.5
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-4.00	-0.001541	±2.5
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-0.10	-0.000039	±2.5
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-4.70	-0.001811	±2.5
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-2.70	-0.001040	±2.5
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	-4.70	-0.001801	±2.5
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	-5.30	-0.002031	±2.5
Band38	20MHz	QPSK	38150	100RB#0	NV	-10	-2.50	-0.000958	±2.5
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-3.00	-0.001149	±2.5
Band38	20MHz	QPSK	38150	100RB#0	NV	10	-2.60	-0.000996	±2.5
Band38	20MHz	QPSK	38150	100RB#0	NV	20	-3.10	-0.001188	±2.5
Band38	20MHz	QPSK	38150	100RB#0	NV	30	-8.10	-0.003103	±2.5
Band38	20MHz	QPSK	38150	100RB#0	NV	40	-7.00	-0.002682	±2.5
Band38	20MHz	QPSK	38150	100RB#0	NV	50	-1.60	-0.000613	±2.5