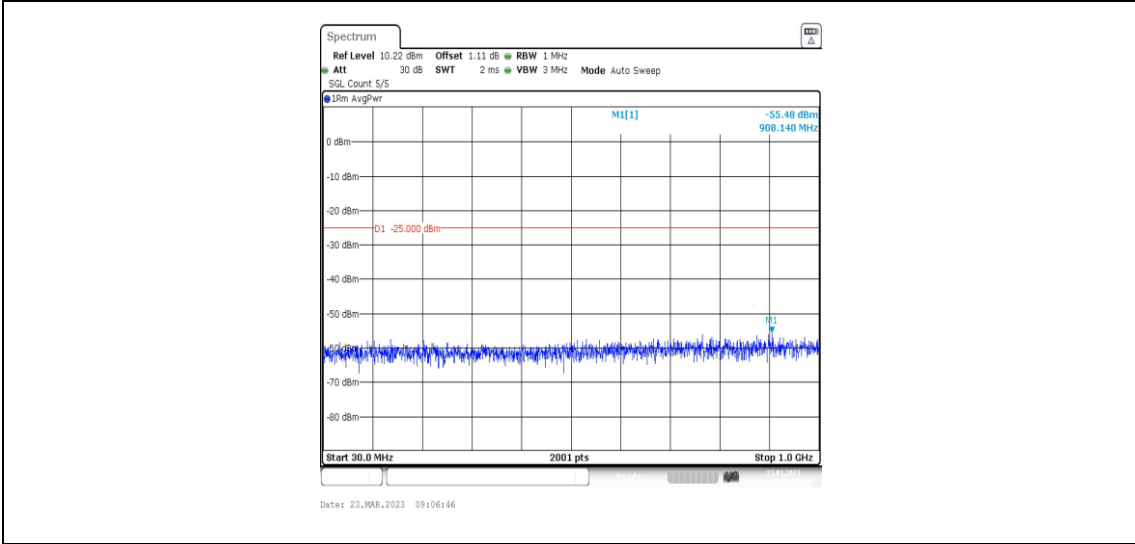
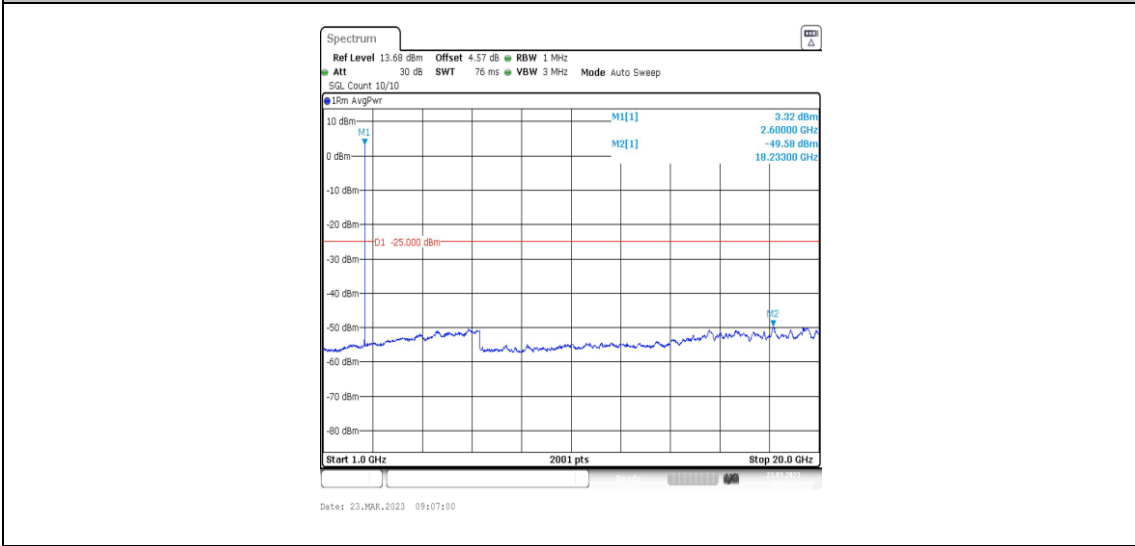


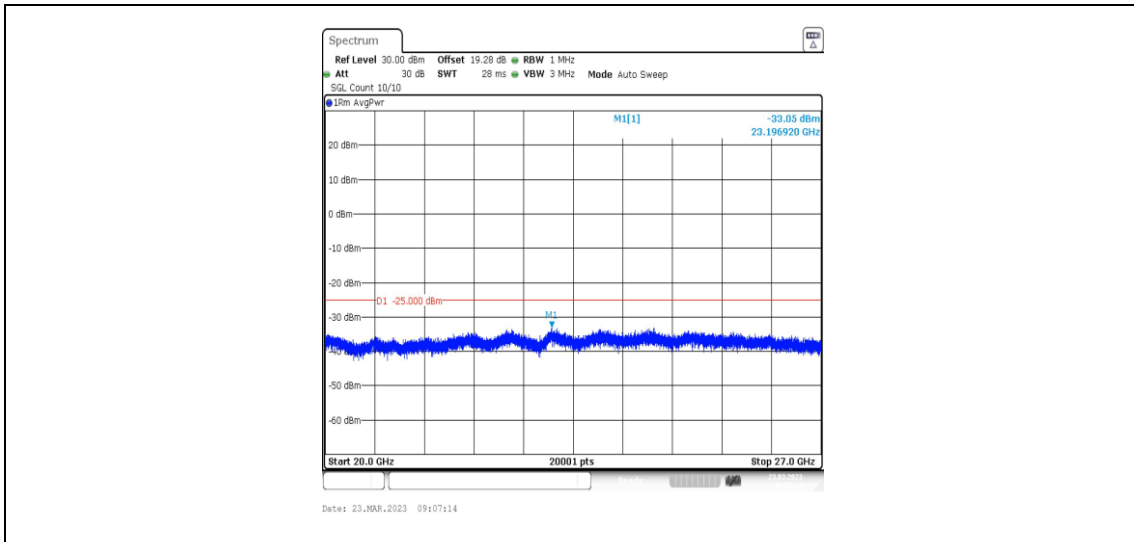
38-38-20MHz-20MHz-16QAM-16QAM-37952-38150-1RB#99-0RB#0-0.15~30MHz



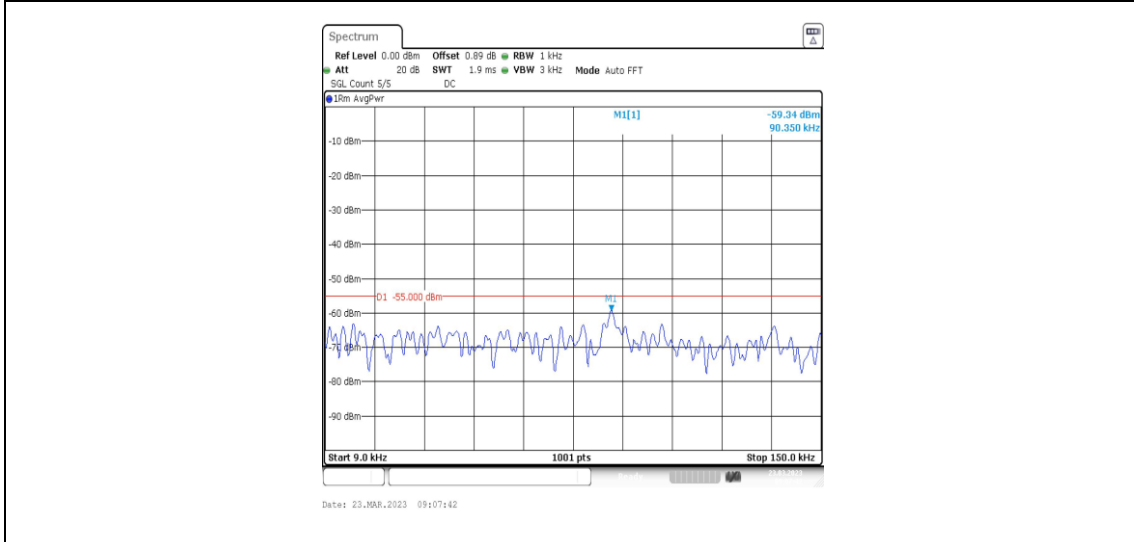
38-38-20MHz-20MHz-16QAM-16QAM-37952-38150-1RB#99-0RB#0-30~1000MHz



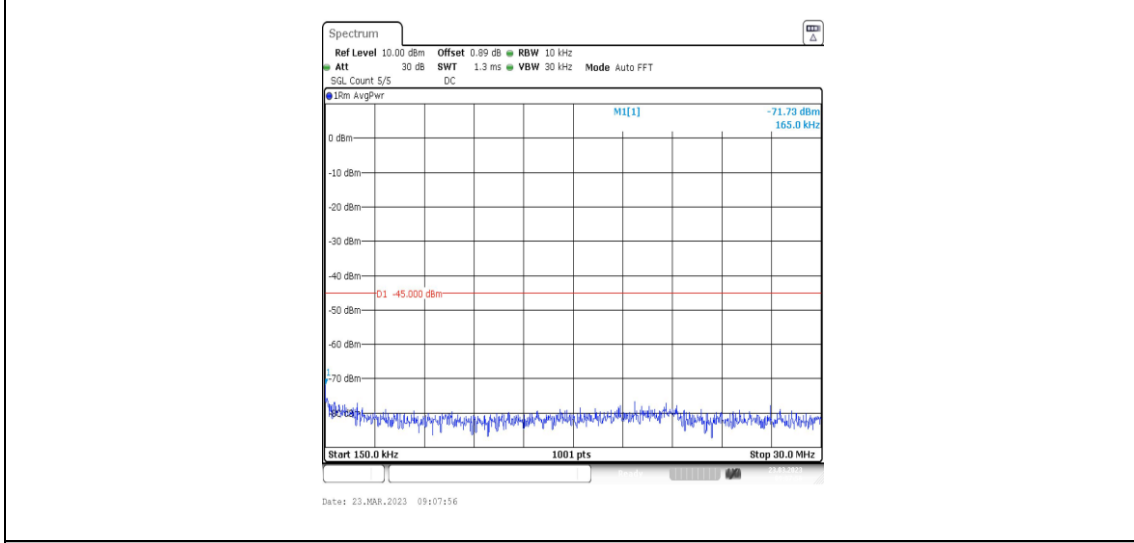
38-38-20MHz-20MHz-16QAM-16QAM-37952-38150-1RB#99-0RB#0-1000~20000MHz



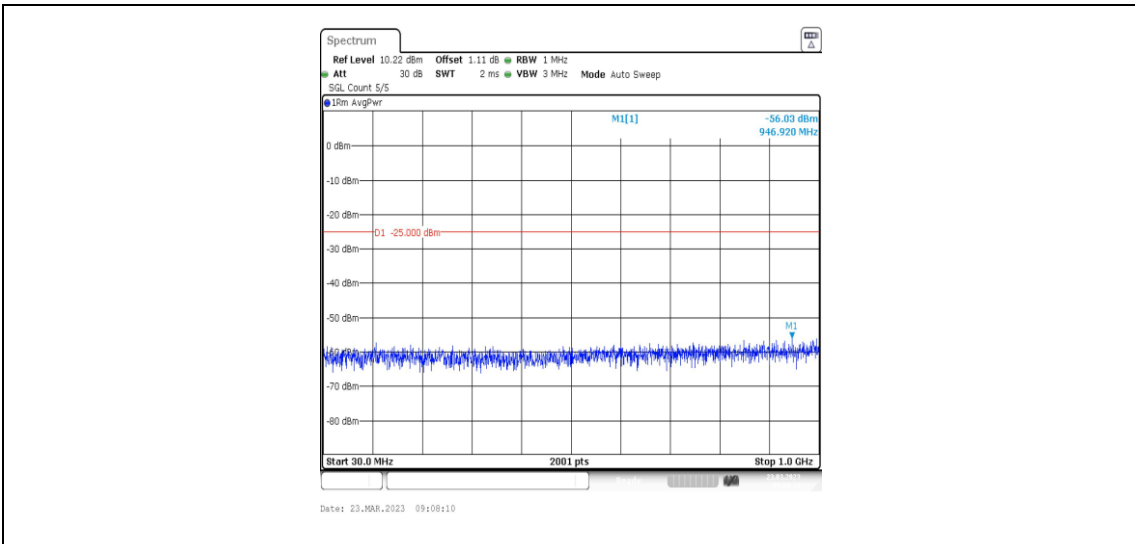
38-38-20MHz-20MHz-16QAM-16QAM-37952-38150-1RB#99-0RB#0-20000~27000MHz



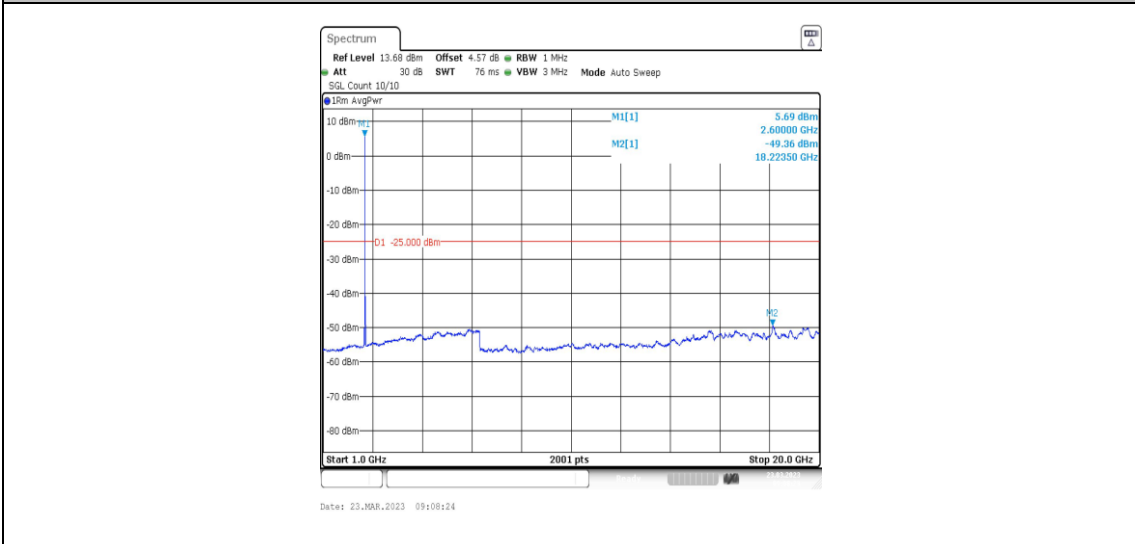
38-38-20MHz-20MHz-64QAM-64QAM-37952-38150-1RB#99-0RB#0-0.009~0.15MHz



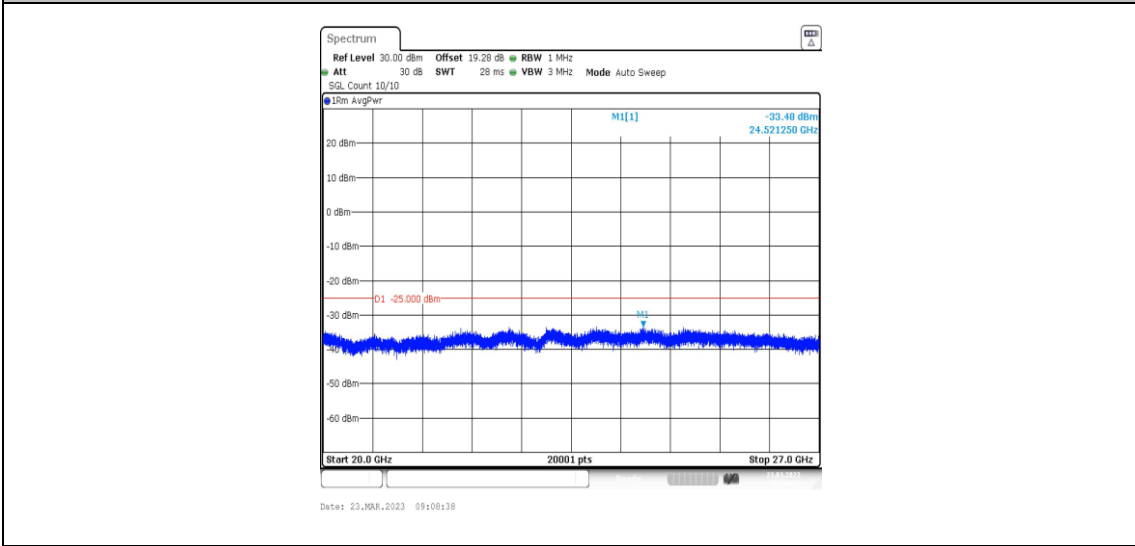
38-38-20MHz-20MHz-64QAM-64QAM-37952-38150-1RB#99-0RB#0-0.15~30MHz



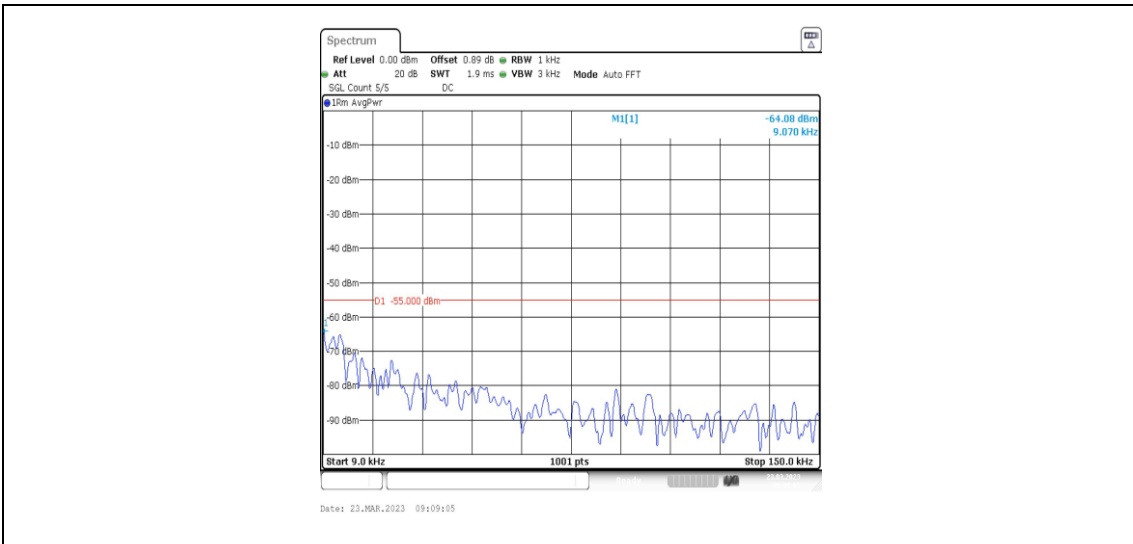
38-38-20MHz-20MHz-64QAM-64QAM-37952-38150-1RB#99-0RB#0-30~1000MHz



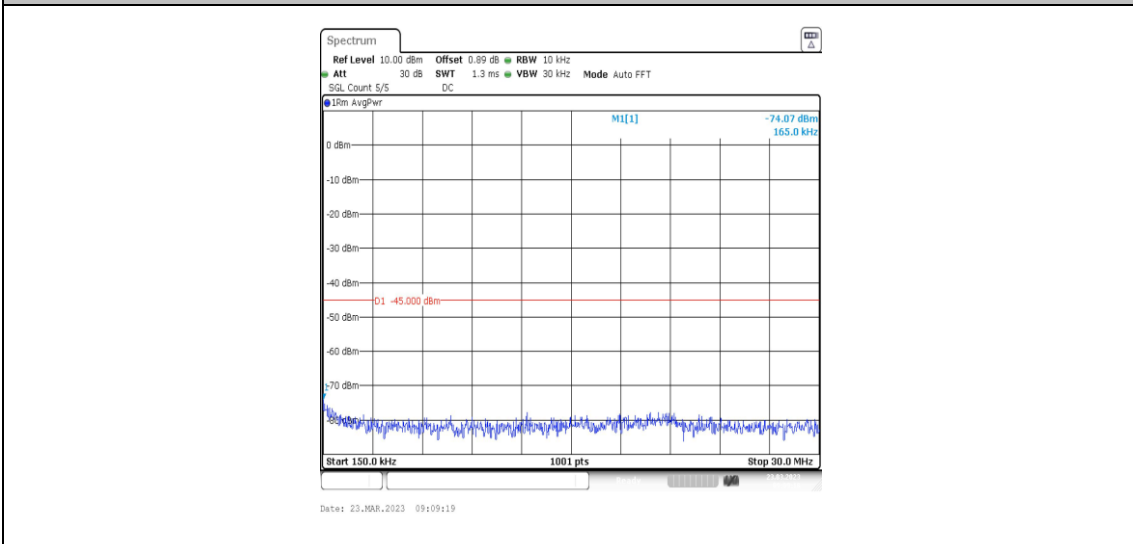
38-38-20MHz-20MHz-64QAM-64QAM-37952-38150-1RB#99-0RB#0-1000~20000MHz



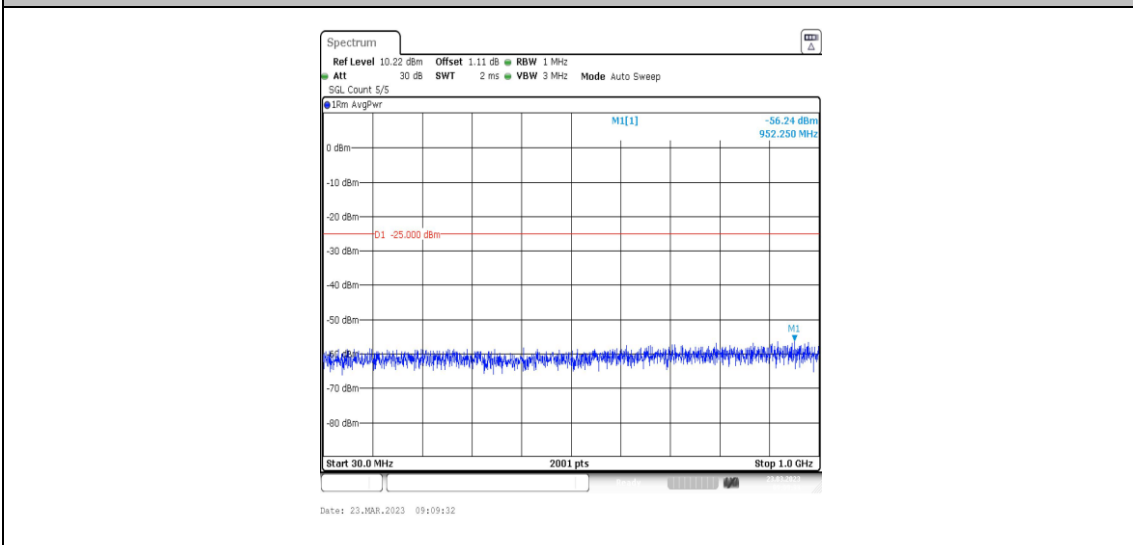
38-38-20MHz-20MHz-64QAM-64QAM-37952-38150-1RB#99-0RB#0-20000~27000MHz



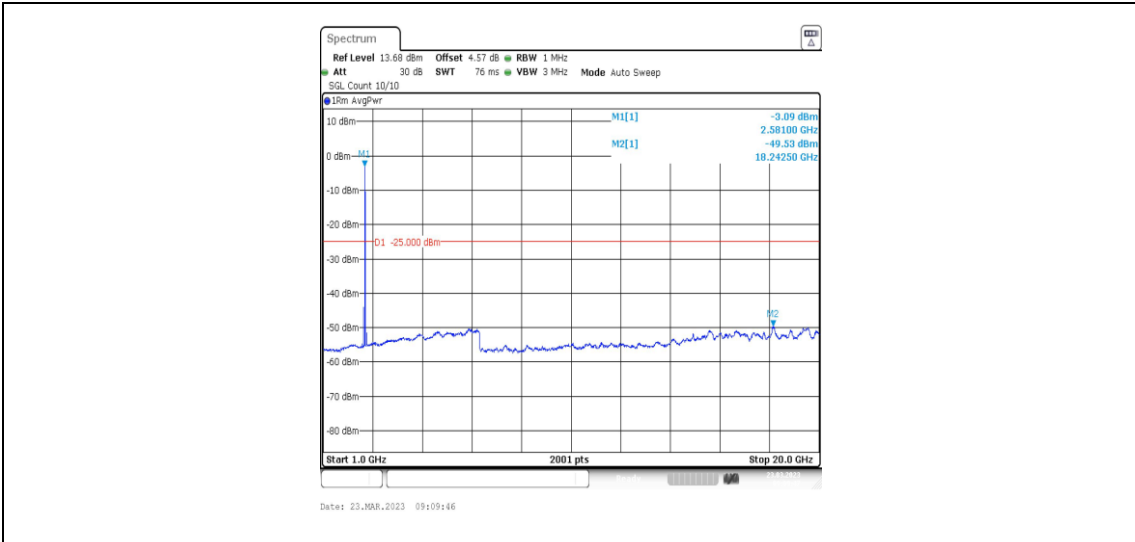
38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-1RB#0-1RB#99-0.009~0.15MHz



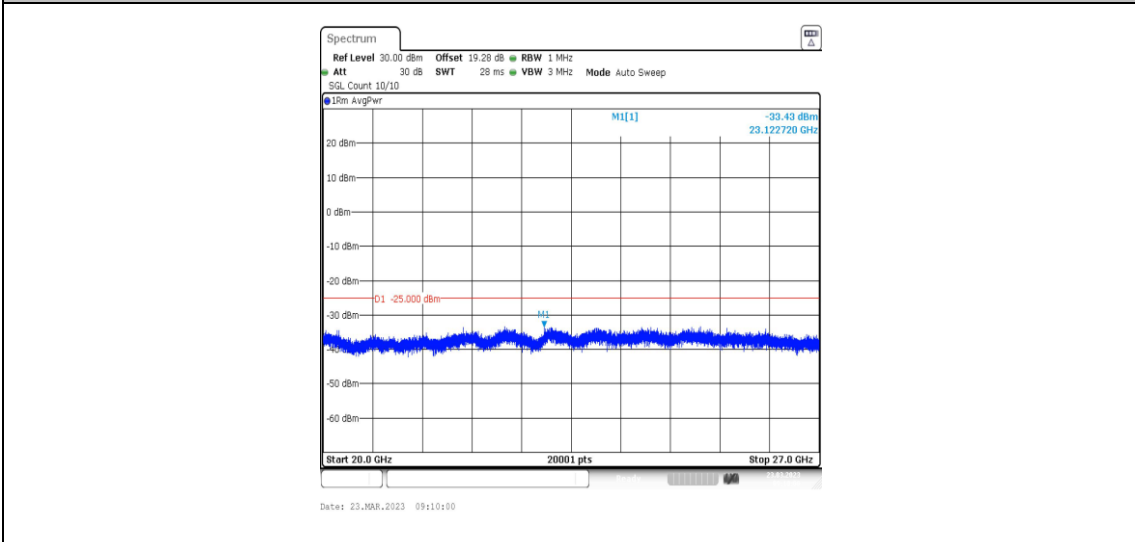
38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-1RB#0-1RB#99-0.15~30MHz



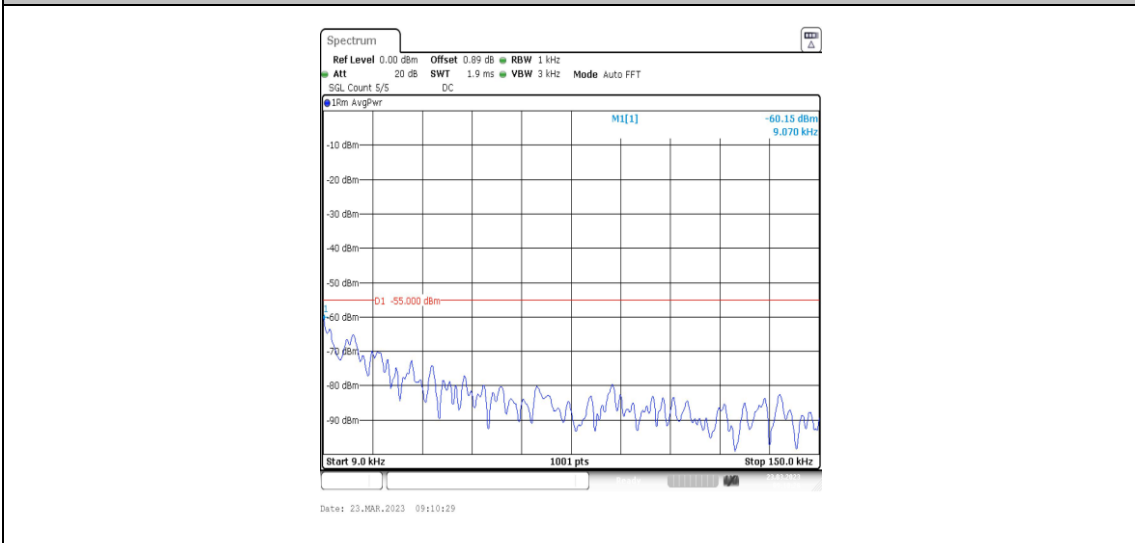
38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-1RB#0-1RB#99-30~1000MHz



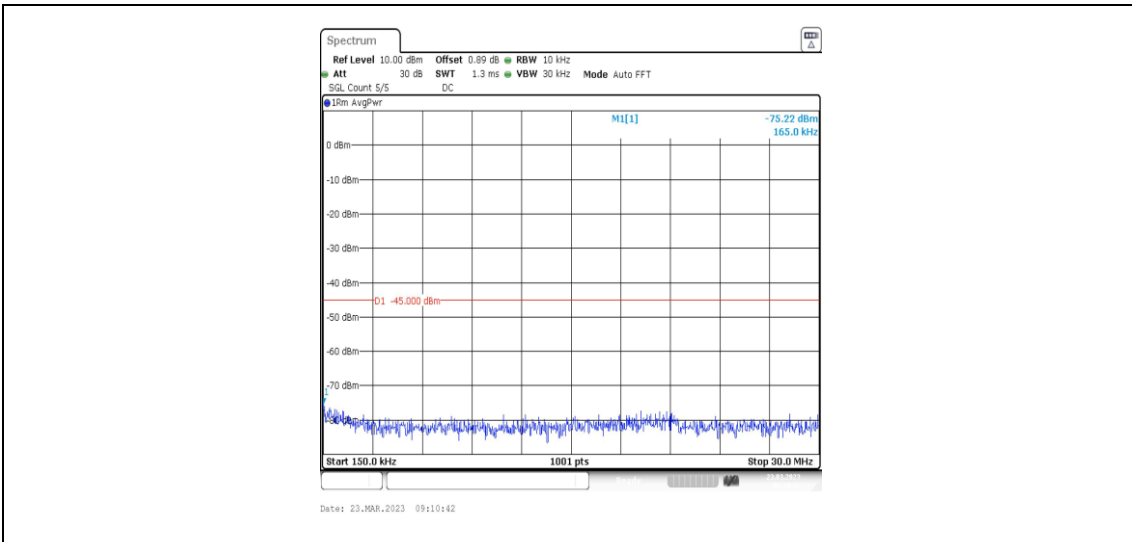
38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-1RB#0-1RB#99-1000~20000MHz



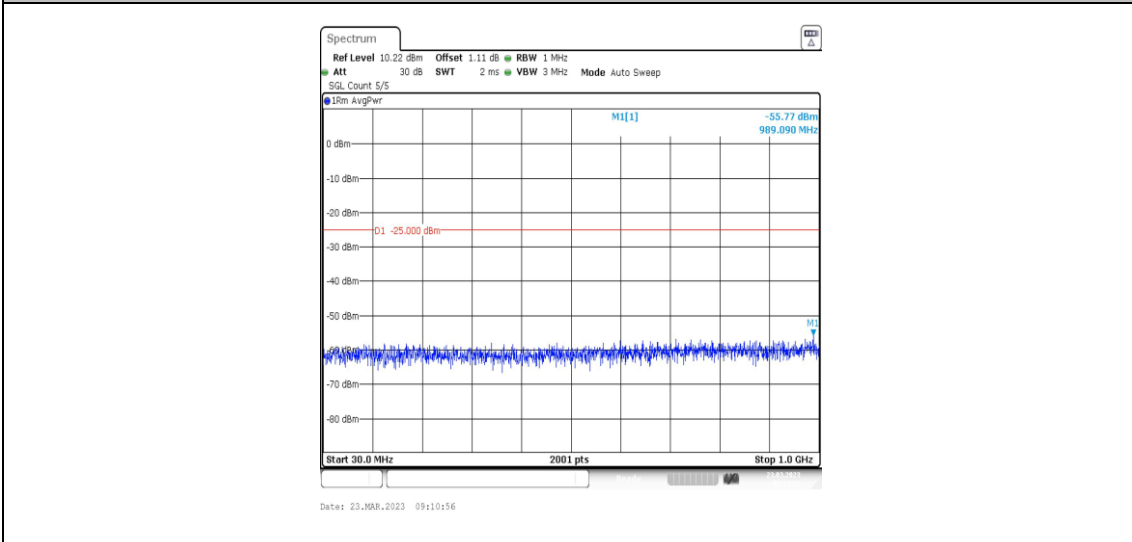
38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-1RB#0-1RB#99-20000~27000MHz



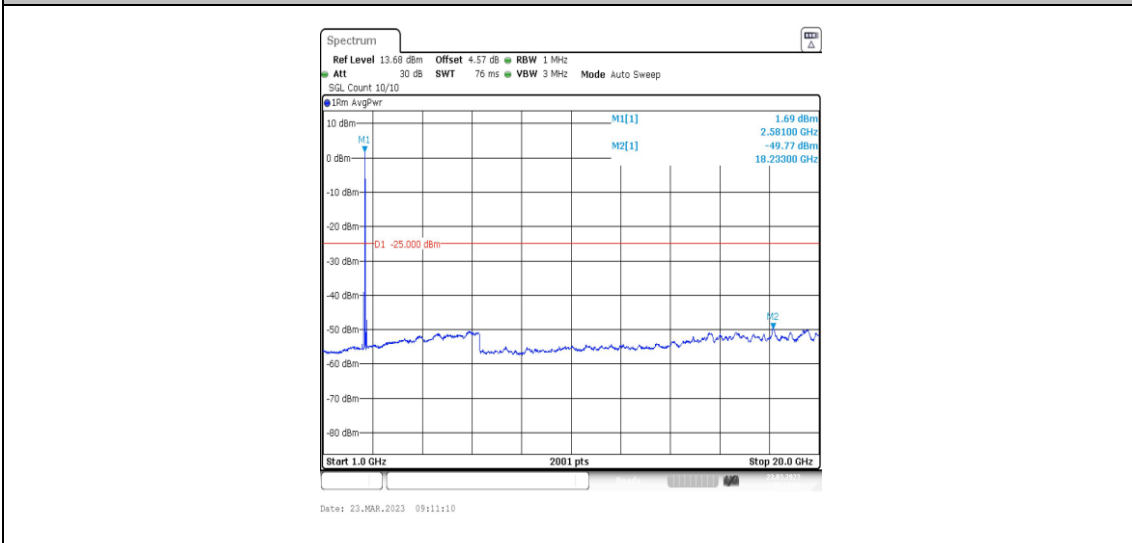
38-38-20MHz-20MHz-16QAM-16QAM-37952-38150-1RB#0-1RB#99-0.009~0.15MHz



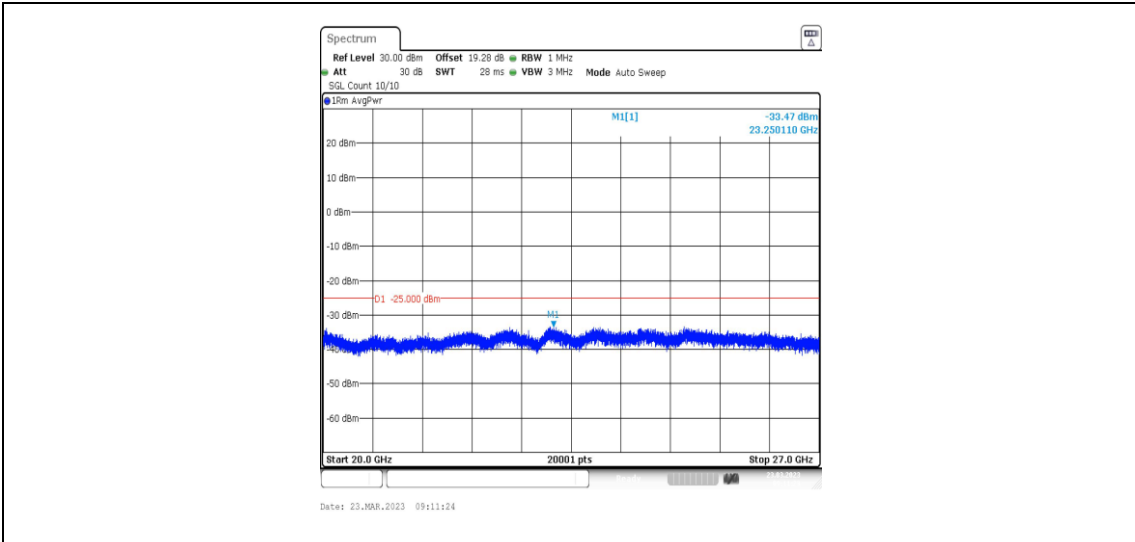
38-38-20MHz-20MHz-16QAM-16QAM-37952-38150-1RB#0-1RB#99-0.15~30MHz



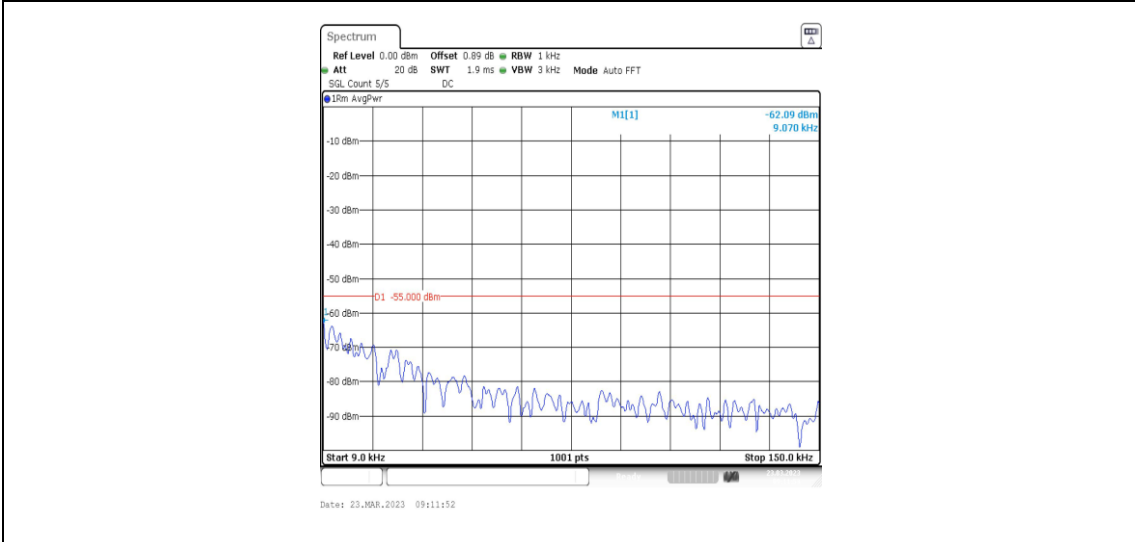
38-38-20MHz-20MHz-16QAM-16QAM-37952-38150-1RB#0-1RB#99-30~1000MHz



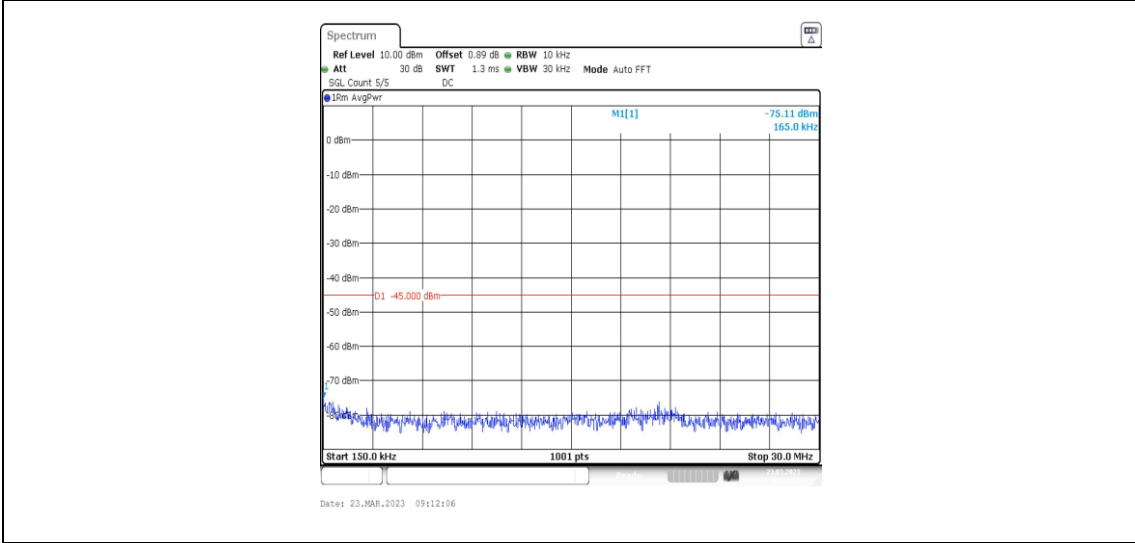
38-38-20MHz-20MHz-16QAM-16QAM-37952-38150-1RB#0-1RB#99-1000~20000MHz



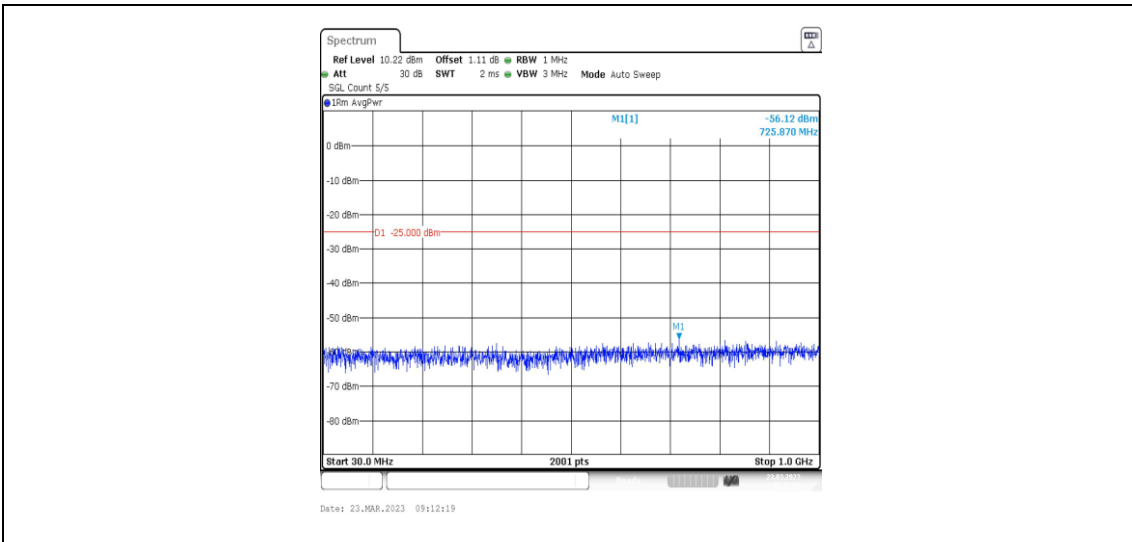
38-38-20MHz-20MHz-16QAM-16QAM-37952-38150-1RB#0-1RB#99-20000~27000MHz



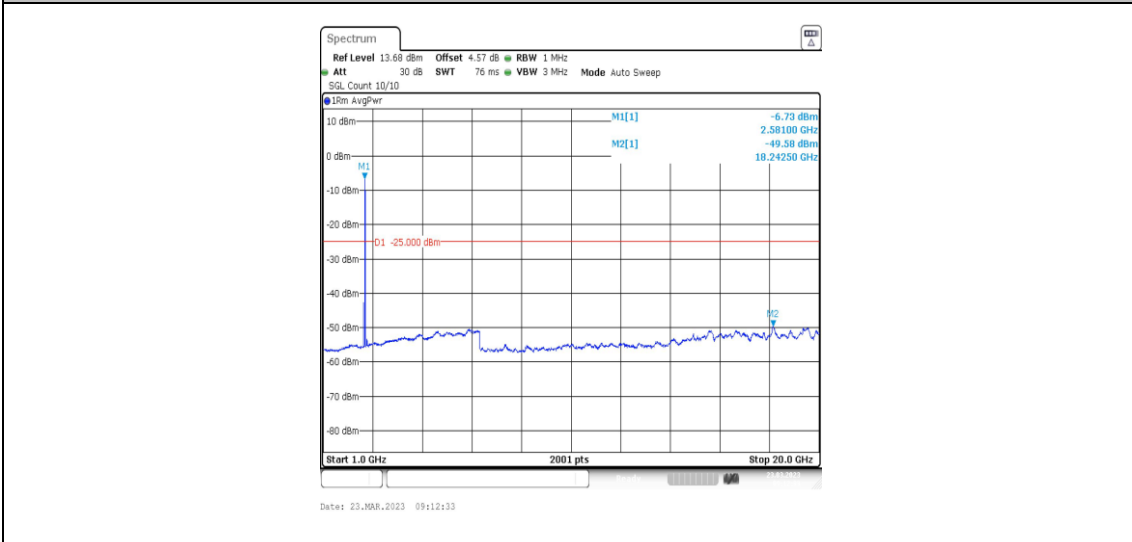
38-38-20MHz-20MHz-64QAM-64QAM-37952-38150-1RB#0-1RB#99-0.009~0.15MHz



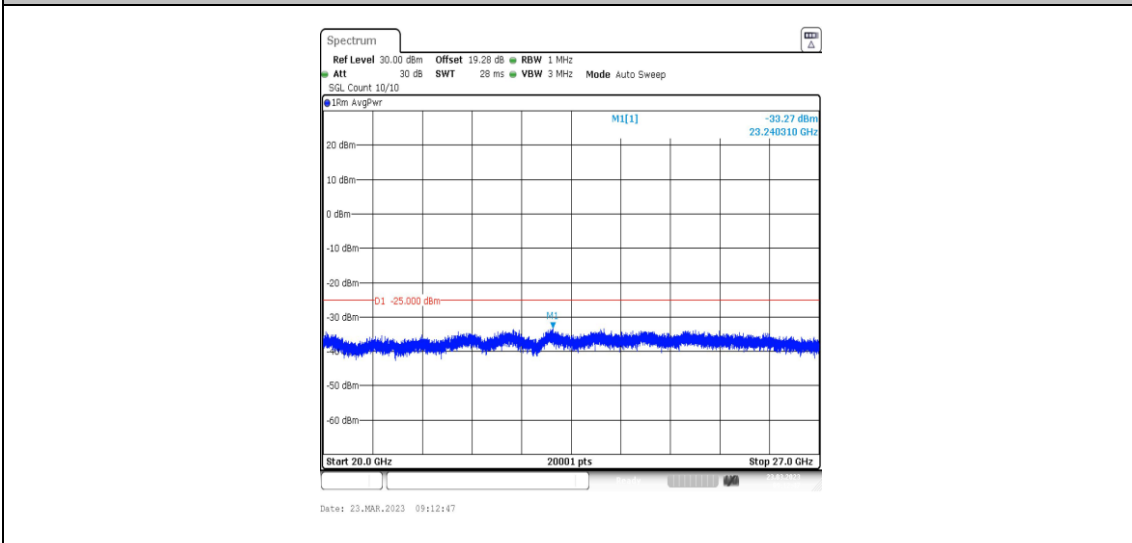
38-38-20MHz-20MHz-64QAM-64QAM-37952-38150-1RB#0-1RB#99-0.15~30MHz



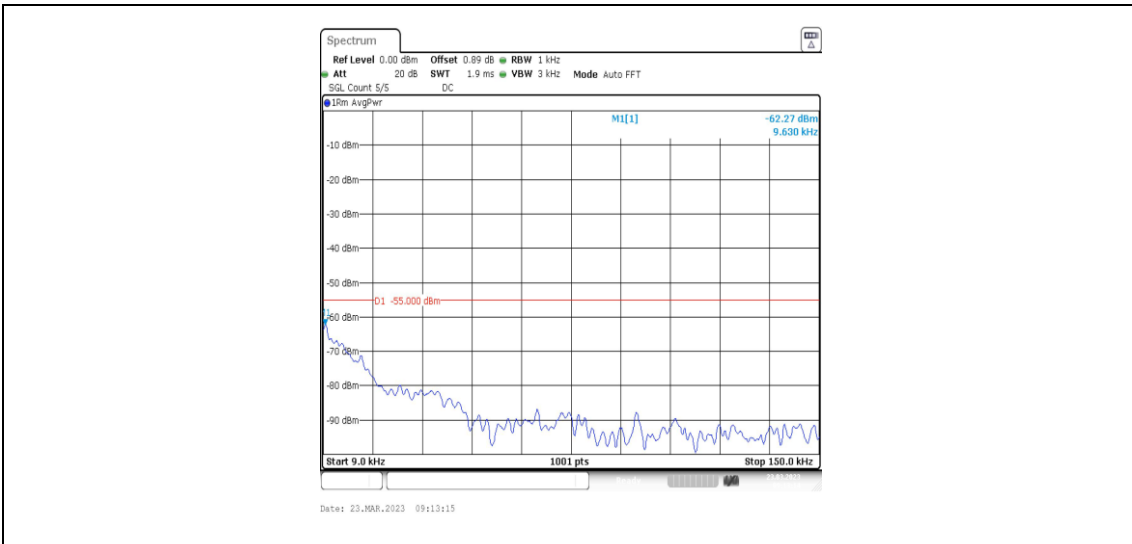
38-38-20MHz-20MHz-64QAM-64QAM-37952-38150-1RB#0-1RB#99-30~1000MHz



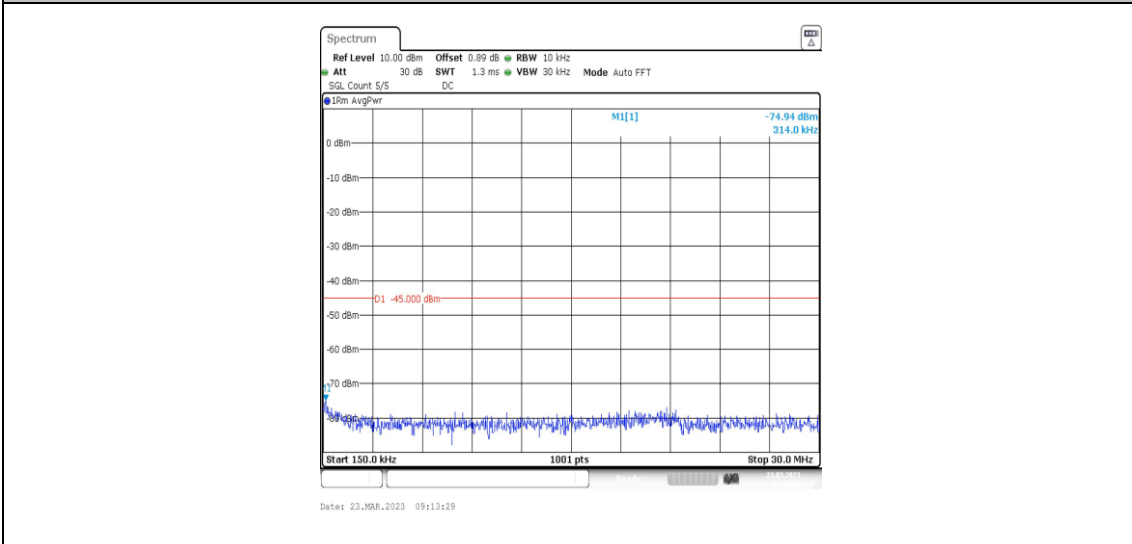
38-38-20MHz-20MHz-64QAM-64QAM-37952-38150-1RB#0-1RB#99-1000~20000MHz



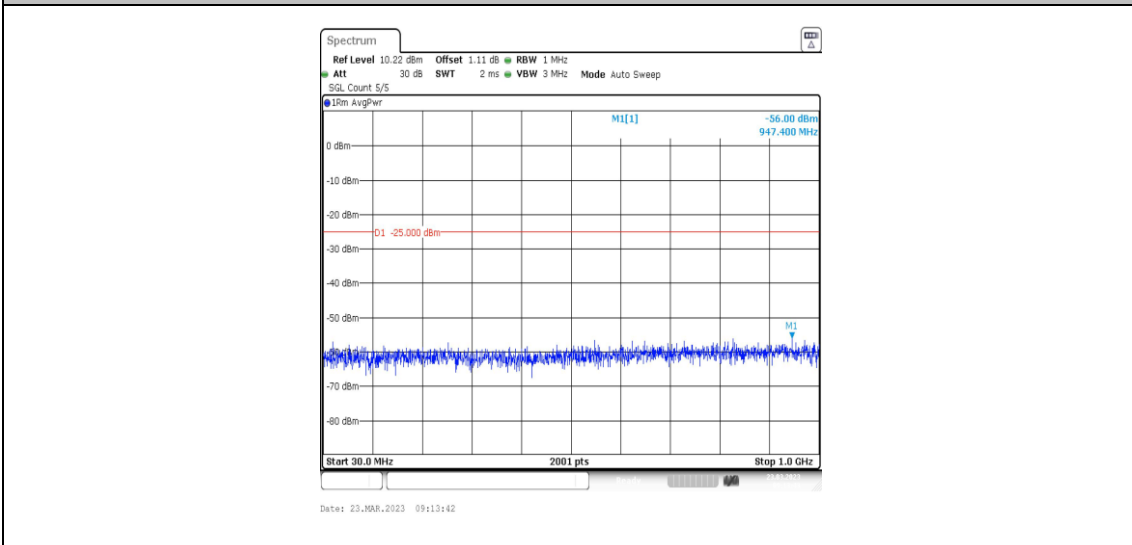
38-38-20MHz-20MHz-64QAM-64QAM-37952-38150-1RB#0-1RB#99-20000~27000MHz



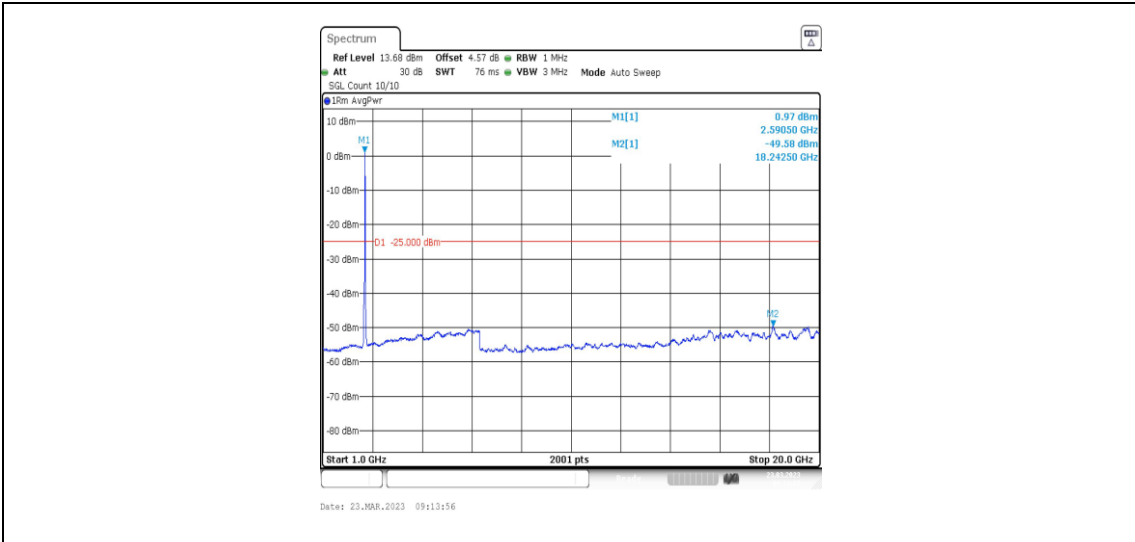
38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-100RB#0-100RB#0-0.009~0.15MHz



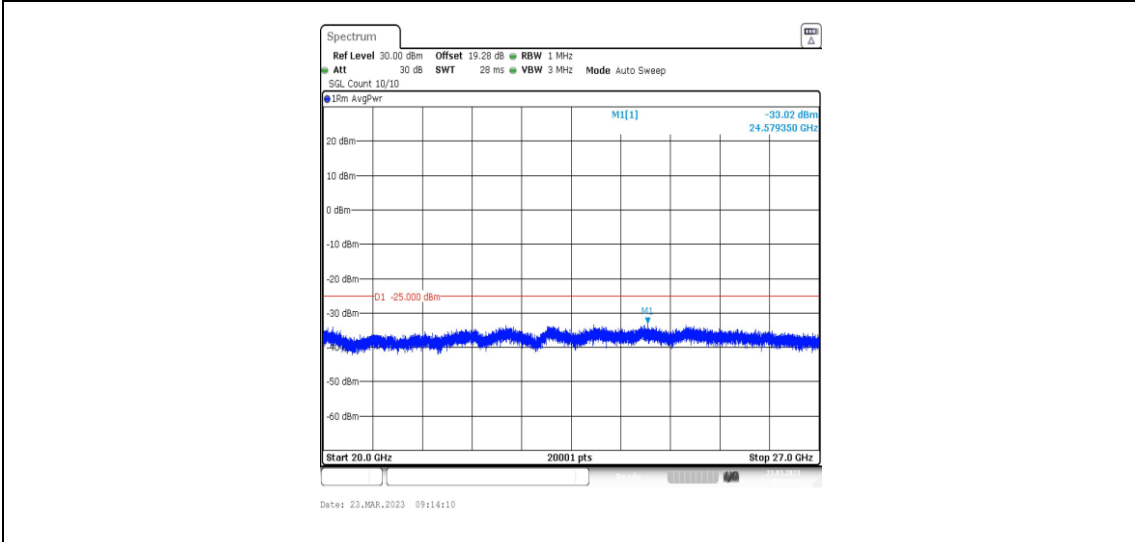
38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-100RB#0-100RB#0-0.15~30MHz



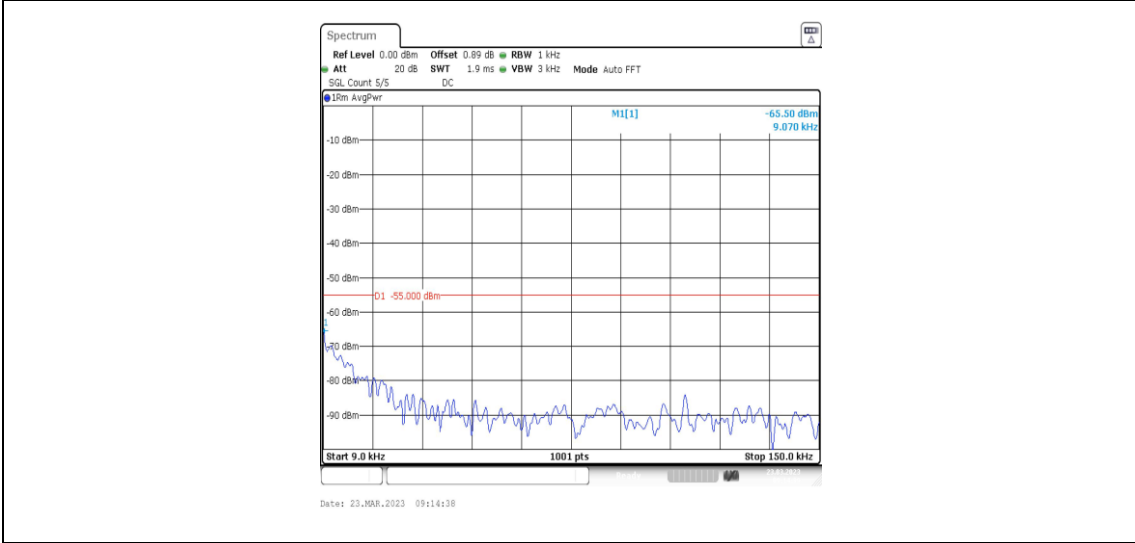
38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-100RB#0-100RB#0-30~1000MHz



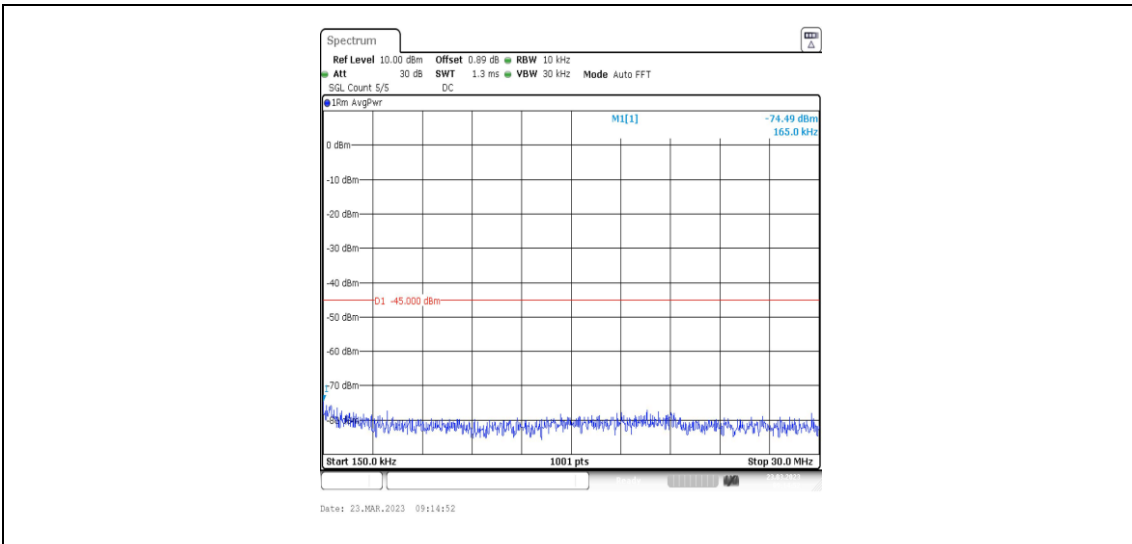
38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-100RB#0-100RB#0-1000~20000MHz



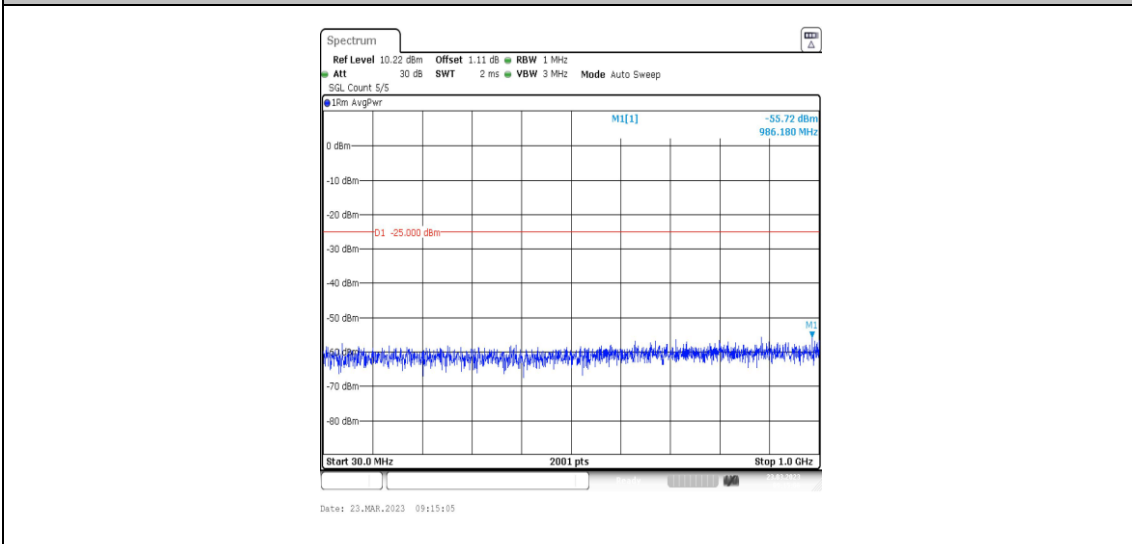
38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-100RB#0-100RB#0-20000~27000MHz



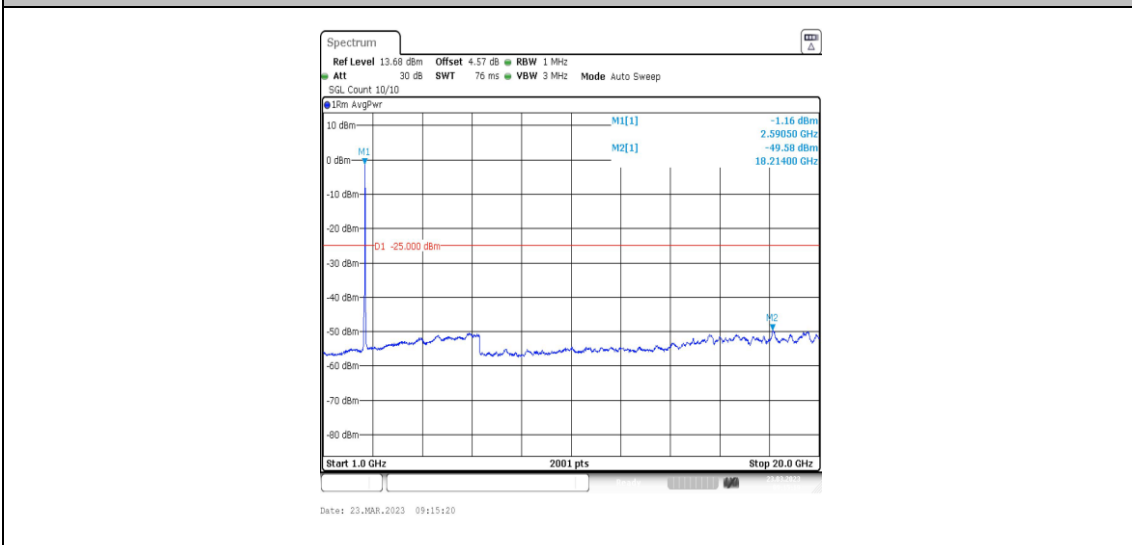
38-38-20MHz-20MHz-16QAM-16QAM-37952-38150-100RB#0-100RB#0-0.009~0.15MHz



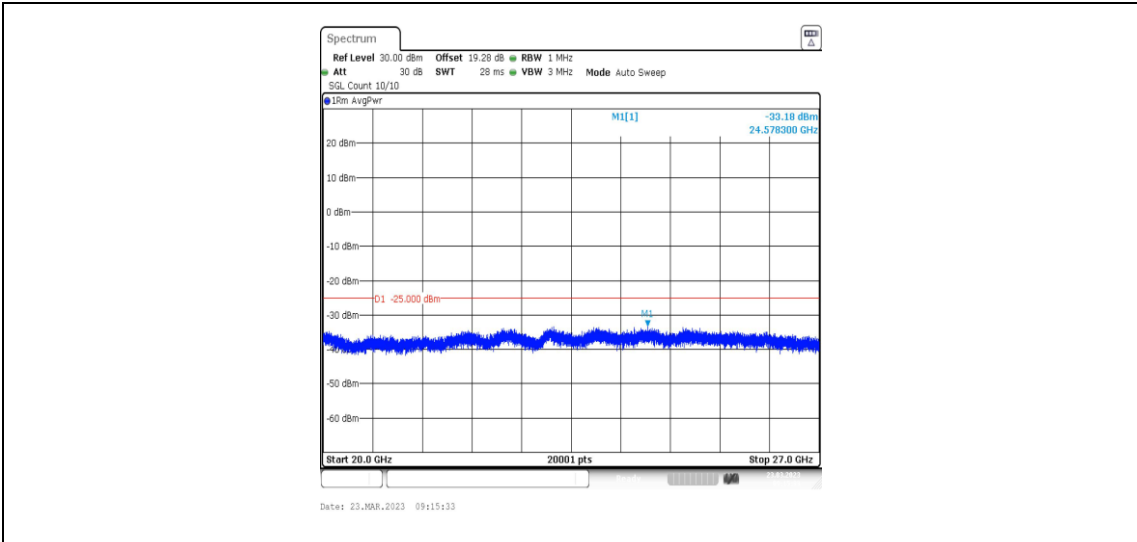
38-38-20MHz-20MHz-16QAM-16QAM-37952-38150-100RB#0-100RB#0-0.15~30MHz



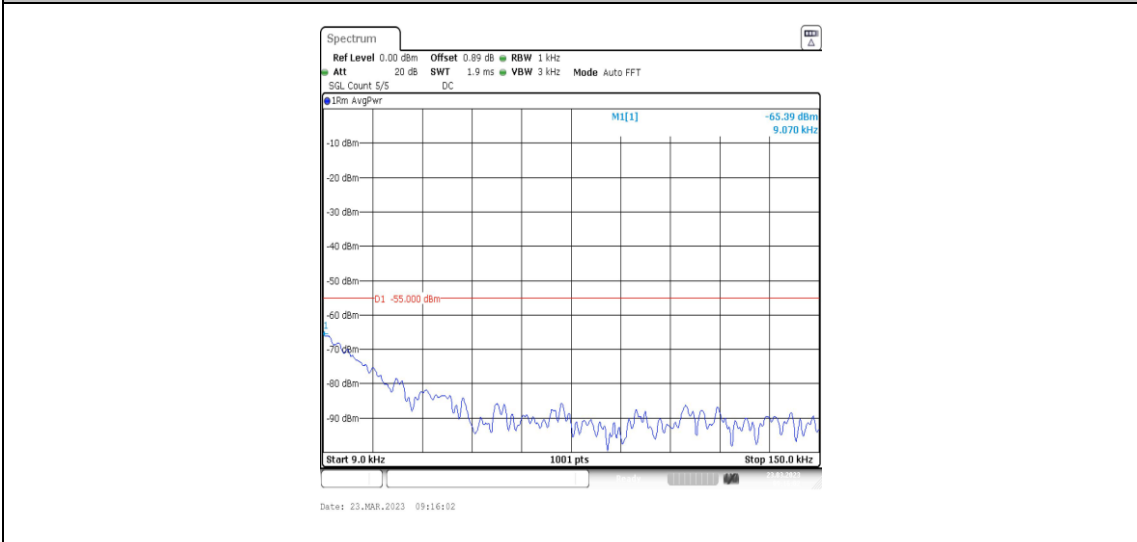
38-38-20MHz-20MHz-16QAM-16QAM-37952-38150-100RB#0-100RB#0-30~1000MHz



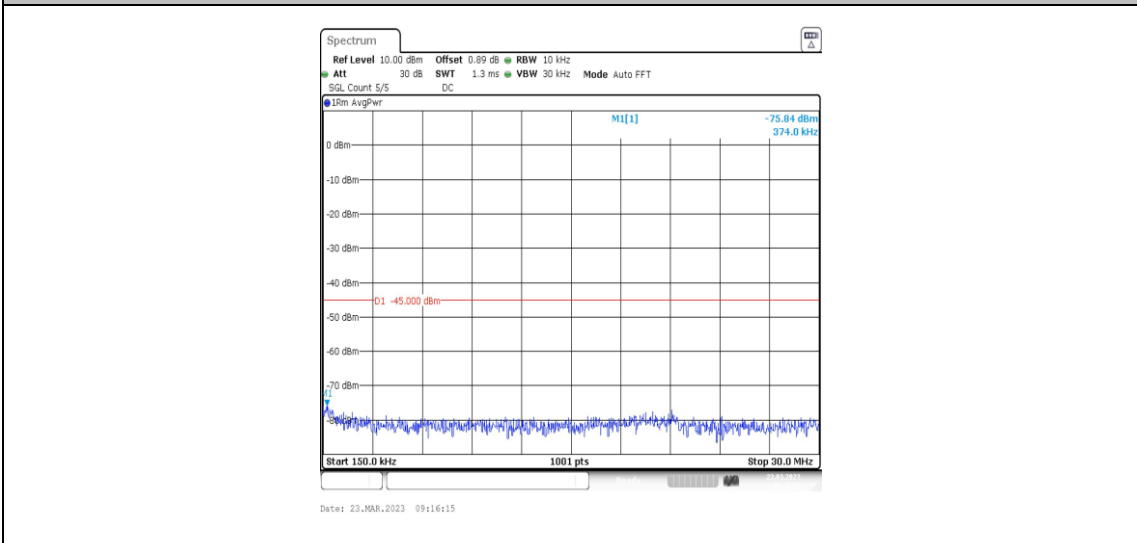
38-38-20MHz-20MHz-16QAM-16QAM-37952-38150-100RB#0-100RB#0-1000~20000MHz



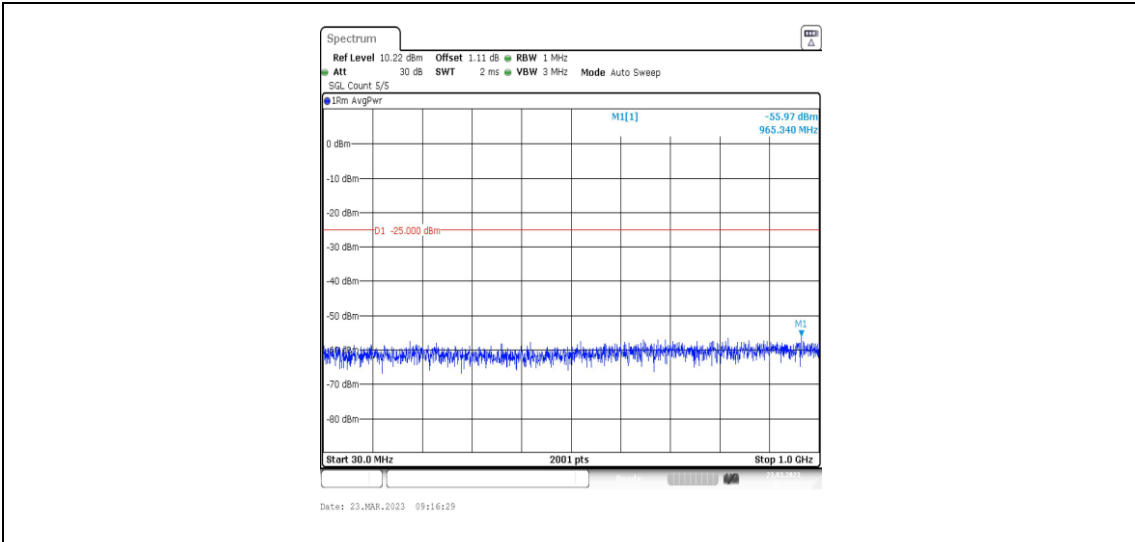
38-38-20MHz-20MHz-16QAM-16QAM-37952-38150-100RB#0-100RB#0-20000~27000MHz



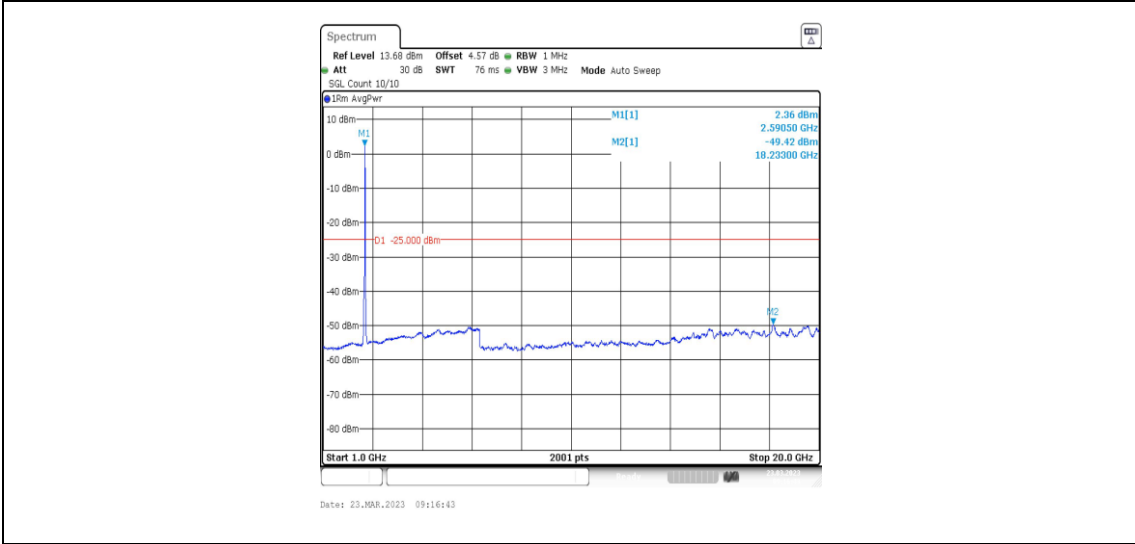
38-38-20MHz-20MHz-64QAM-64QAM-37952-38150-100RB#0-100RB#0-0.009~0.15MHz



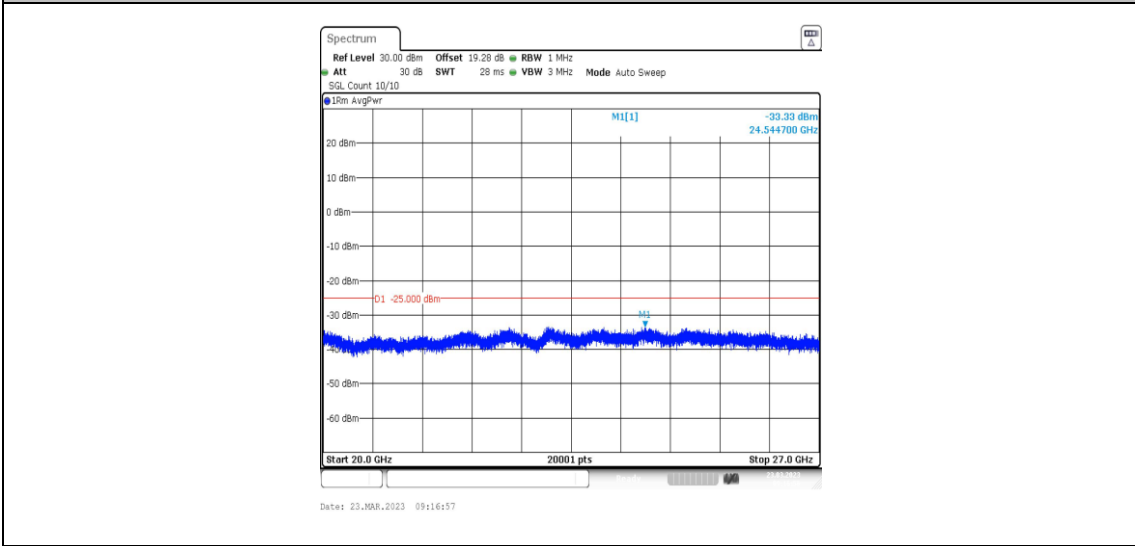
38-38-20MHz-20MHz-64QAM-64QAM-37952-38150-100RB#0-100RB#0-0.15~30MHz



38-38-20MHz-20MHz-64QAM-64QAM-37952-38150-100RB#0-100RB#0-30~1000MHz



38-38-20MHz-20MHz-64QAM-64QAM-37952-38150-100RB#0-100RB#0-1000~20000MHz



38-38-20MHz-20MHz-64QAM-64QAM-37952-38150-100RB#0-100RB#0-20000~27000MHz

Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
38-38	15MHz-15MHz	QPSK-QPSK	37825-37975	75RB#0-75RB#0	VN	NT	33.03	0.012815	±2.5	PASS
38-38	15MHz-15MHz	QPSK-QPSK	37825-37975	75RB#0-75RB#0	VL	NT	32.63	0.012660	±2.5	PASS
38-38	15MHz-15MHz	QPSK-QPSK	37825-37975	75RB#0-75RB#0	VH	NT	34.63	0.013435	±2.5	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37825-37975	75RB#0-75RB#0	VN	NT	32.13	0.012466	±2.5	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37825-37975	75RB#0-75RB#0	VL	NT	36.45	0.014142	±2.5	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37825-37975	75RB#0-75RB#0	VH	NT	35.69	0.013847	±2.5	PASS
38-38	15MHz-15MHz	64QAM-64QAM	37825-37975	75RB#0-75RB#0	VN	NT	35.91	0.013932	±2.5	PASS
38-38	15MHz-15MHz	64QAM-64QAM	37825-37975	75RB#0-75RB#0	VL	NT	34.30	0.013307	±2.5	PASS
38-38	15MHz-15MHz	64QAM-64QAM	37825-37975	75RB#0-75RB#0	VH	NT	35.86	0.013913	±2.5	PASS
38-38	15MHz-15MHz	QPSK-QPSK	37925-38075	75RB#0-75RB#0	VN	NT	35.48	0.013712	±2.5	PASS
38-38	15MHz-15MHz	QPSK-QPSK	37925-38075	75RB#0-75RB#0	VL	NT	36.64	0.014160	±2.5	PASS
38-38	15MHz-15MHz	QPSK-QPSK	37925-38075	75RB#0-75RB#0	VH	NT	38.37	0.014829	±2.5	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37925-38075	75RB#0-75RB#0	VN	NT	37.19	0.014373	±2.5	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37925-38075	75RB#0-75RB#0	VL	NT	35.83	0.013847	±2.5	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37925-38075	75RB#0-75RB#0	VH	NT	34.70	0.013411	±2.5	PASS
38-38	15MHz-15MHz	64QAM-64QAM	37925-38075	75RB#0-75RB#0	VN	NT	32.94	0.012730	±2.5	PASS

38-38	15MHz- 15MHz	64QAM- 64QAM	37925- 38075	75RB#0-7 5RB#0	VL	NT	33.73	0.013036	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	37925- 38075	75RB#0-7 5RB#0	VH	NT	35.59	0.013755	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	38025- 38175	75RB#0-7 5RB#0	VN	NT	33.66	0.012959	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	38025- 38175	75RB#0-7 5RB#0	VL	NT	34.95	0.013455	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	38025- 38175	75RB#0-7 5RB#0	VH	NT	36.64	0.014106	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	38025- 38175	75RB#0-7 5RB#0	VN	NT	23.88	0.009193	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	38025- 38175	75RB#0-7 5RB#0	VL	NT	26.42	0.010171	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	38025- 38175	75RB#0-7 5RB#0	VH	NT	24.76	0.009532	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	38025- 38175	75RB#0-7 5RB#0	VN	NT	27.05	0.010414	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	38025- 38175	75RB#0-7 5RB#0	VL	NT	33.55	0.012916	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	38025- 38175	75RB#0-7 5RB#0	VH	NT	29.55	0.011376	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37850- 38048	100RB#0- 100RB#0	VN	NT	37.06	0.014364	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37850- 38048	100RB#0- 100RB#0	VL	NT	35.43	0.013733	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37850- 38048	100RB#0- 100RB#0	VH	NT	39.70	0.015388	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37850- 38048	100RB#0- 100RB#0	VN	NT	36.79	0.014260	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37850- 38048	100RB#0- 100RB#0	VL	NT	41.69	0.016159	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37850- 38048	100RB#0- 100RB#0	VH	NT	39.51	0.015314	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37850- 38048	100RB#0- 100RB#0	VN	NT	38.82	0.015047	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37850- 38048	100RB#0- 100RB#0	VL	NT	42.30	0.016395	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37850- 38048	100RB#0- 100RB#0	VH	NT	40.70	0.015775	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37901- 38099	100RB#0- 100RB#0	VN	NT	39.11	0.015129	±2.5	PASS

38-38	20MHz- 20MHz	QPSK-Q PSK	37901- 38099	100RB#0- 100RB#0	VL	NT	46.68	0.018057	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37901- 38099	100RB#0- 100RB#0	VH	NT	42.34	0.016378	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37901- 38099	100RB#0- 100RB#0	VN	NT	39.61	0.015322	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37901- 38099	100RB#0- 100RB#0	VL	NT	42.30	0.016363	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37901- 38099	100RB#0- 100RB#0	VH	NT	42.36	0.016386	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37901- 38099	100RB#0- 100RB#0	VN	NT	39.02	0.015094	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37901- 38099	100RB#0- 100RB#0	VL	NT	43.82	0.016951	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37901- 38099	100RB#0- 100RB#0	VH	NT	46.48	0.017980	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37952- 38150	100RB#0- 100RB#0	VN	NT	42.92	0.016570	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37952- 38150	100RB#0- 100RB#0	VL	NT	45.52	0.017574	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37952- 38150	100RB#0- 100RB#0	VH	NT	43.93	0.016960	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37952- 38150	100RB#0- 100RB#0	VN	NT	40.27	0.015547	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37952- 38150	100RB#0- 100RB#0	VL	NT	40.94	0.015806	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37952- 38150	100RB#0- 100RB#0	VH	NT	47.56	0.018362	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37952- 38150	100RB#0- 100RB#0	VN	NT	40.13	0.015493	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37952- 38150	100RB#0- 100RB#0	VL	NT	43.53	0.016806	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37952- 38150	100RB#0- 100RB#0	VH	NT	44.76	0.017281	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
38-38	15MHz- 15MHz	QPSK-Q PSK	37825- 37975	75RB#0-7 5RB#0	NV	-50	34.86	0.013525	±2.5	PASS
38-38	15MHz-	QPSK-Q	37825-	75RB#0-7	NV	-30	36.25	0.014064	±2.5	PASS

	15MHz	PSK	37975	5RB#0						
38-38	15MHz- 15MHz	QPSK-Q PSK	37825- 37975	75RB#0-7 5RB#0	NV	-20	34.52	0.013393	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	37825- 37975	75RB#0-7 5RB#0	NV	-10	36.13	0.014017	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	37825- 37975	75RB#0-7 5RB#0	NV	0	35.43	0.013746	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	37825- 37975	75RB#0-7 5RB#0	NV	10	34.88	0.013532	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	37825- 37975	75RB#0-7 5RB#0	NV	20	33.52	0.013005	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	37825- 37975	75RB#0-7 5RB#0	NV	30	36.48	0.014153	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	37825- 37975	75RB#0-7 5RB#0	NV	-50	37.88	0.014696	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	37825- 37975	75RB#0-7 5RB#0	NV	-30	36.88	0.014308	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	37825- 37975	75RB#0-7 5RB#0	NV	-20	38.08	0.014774	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	37825- 37975	75RB#0-7 5RB#0	NV	-10	35.91	0.013932	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	37825- 37975	75RB#0-7 5RB#0	NV	0	34.39	0.013342	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	37825- 37975	75RB#0-7 5RB#0	NV	10	35.32	0.013703	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	37825- 37975	75RB#0-7 5RB#0	NV	20	33.02	0.012811	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	37825- 37975	75RB#0-7 5RB#0	NV	30	38.58	0.014968	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	37825- 37975	75RB#0-7 5RB#0	NV	-50	36.74	0.014254	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	37825- 37975	75RB#0-7 5RB#0	NV	-30	38.34	0.014875	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	37825- 37975	75RB#0-7 5RB#0	NV	-20	33.13	0.012854	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	37825- 37975	75RB#0-7 5RB#0	NV	-10	36.35	0.014103	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	37825- 37975	75RB#0-7 5RB#0	NV	0	33.76	0.013098	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	37825- 37975	75RB#0-7 5RB#0	NV	10	32.13	0.012466	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	37825- 37975	75RB#0-7 5RB#0	NV	20	32.14	0.012469	±2.5	PASS

	15MHz	64QAM	37975	5RB#0						
38-38	15MHz- 15MHz	64QAM- 64QAM	37825- 37975	75RB#0-7 5RB#0	NV	30	35.59	0.013808	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	37925- 38075	75RB#0-7 5RB#0	NV	-50	35.66	0.013782	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	37925- 38075	75RB#0-7 5RB#0	NV	-30	35.79	0.013832	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	37925- 38075	75RB#0-7 5RB#0	NV	-20	39.38	0.015219	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	37925- 38075	75RB#0-7 5RB#0	NV	-10	37.19	0.014373	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	37925- 38075	75RB#0-7 5RB#0	NV	0	37.34	0.014431	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	37925- 38075	75RB#0-7 5RB#0	NV	10	35.13	0.013577	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	37925- 38075	75RB#0-7 5RB#0	NV	20	37.87	0.014636	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	37925- 38075	75RB#0-7 5RB#0	NV	30	38.58	0.014910	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	37925- 38075	75RB#0-7 5RB#0	NV	-50	34.32	0.013264	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	37925- 38075	75RB#0-7 5RB#0	NV	-30	36.06	0.013936	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	37925- 38075	75RB#0-7 5RB#0	NV	-20	31.64	0.012228	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	37925- 38075	75RB#0-7 5RB#0	NV	-10	34.52	0.013341	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	37925- 38075	75RB#0-7 5RB#0	NV	0	34.48	0.013326	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	37925- 38075	75RB#0-7 5RB#0	NV	10	36.33	0.014041	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	37925- 38075	75RB#0-7 5RB#0	NV	20	33.16	0.012815	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	37925- 38075	75RB#0-7 5RB#0	NV	30	35.25	0.013623	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	37925- 38075	75RB#0-7 5RB#0	NV	-50	36.05	0.013932	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	37925- 38075	75RB#0-7 5RB#0	NV	-30	35.73	0.013809	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	37925- 38075	75RB#0-7 5RB#0	NV	-20	34.96	0.013511	±2.5	PASS
38-38	15MHz-	64QAM-	37925-	75RB#0-7	NV	-10	38.61	0.014922	±2.5	PASS

	15MHz	64QAM	38075	5RB#0						
38-38	15MHz- 15MHz	64QAM- 64QAM	37925- 38075	75RB#0-7 5RB#0	NV	0	35.71	0.013801	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	37925- 38075	75RB#0-7 5RB#0	NV	10	33.76	0.013047	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	37925- 38075	75RB#0-7 5RB#0	NV	20	35.61	0.013762	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	37925- 38075	75RB#0-7 5RB#0	NV	30	31.50	0.012174	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	38025- 38175	75RB#0-7 5RB#0	NV	-50	36.88	0.014198	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	38025- 38175	75RB#0-7 5RB#0	NV	-30	35.72	0.013752	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	38025- 38175	75RB#0-7 5RB#0	NV	-20	37.16	0.014306	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	38025- 38175	75RB#0-7 5RB#0	NV	-10	33.87	0.013039	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	38025- 38175	75RB#0-7 5RB#0	NV	0	36.64	0.014106	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	38025- 38175	75RB#0-7 5RB#0	NV	10	37.87	0.014579	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	38025- 38175	75RB#0-7 5RB#0	NV	20	38.87	0.014964	±2.5	PASS
38-38	15MHz- 15MHz	QPSK-Q PSK	38025- 38175	75RB#0-7 5RB#0	NV	30	38.75	0.014918	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	38025- 38175	75RB#0-7 5RB#0	NV	-50	29.33	0.011292	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	38025- 38175	75RB#0-7 5RB#0	NV	-30	25.76	0.009917	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	38025- 38175	75RB#0-7 5RB#0	NV	-20	27.51	0.010591	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	38025- 38175	75RB#0-7 5RB#0	NV	-10	32.73	0.012601	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	38025- 38175	75RB#0-7 5RB#0	NV	0	28.68	0.011041	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	38025- 38175	75RB#0-7 5RB#0	NV	10	28.14	0.010833	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	38025- 38175	75RB#0-7 5RB#0	NV	20	28.94	0.011141	±2.5	PASS
38-38	15MHz- 15MHz	16QAM- 16QAM	38025- 38175	75RB#0-7 5RB#0	NV	30	28.98	0.011157	±2.5	PASS
38-38	15MHz-	64QAM-	38025-	75RB#0-7	NV	-50	33.85	0.013032	±2.5	PASS

	15MHz	64QAM	38175	5RB#0						
38-38	15MHz- 15MHz	64QAM- 64QAM	38025- 38175	75RB#0-7 5RB#0	NV	-30	30.27	0.011654	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	38025- 38175	75RB#0-7 5RB#0	NV	-20	27.84	0.010718	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	38025- 38175	75RB#0-7 5RB#0	NV	-10	29.53	0.011369	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	38025- 38175	75RB#0-7 5RB#0	NV	0	32.96	0.012689	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	38025- 38175	75RB#0-7 5RB#0	NV	10	32.60	0.012551	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	38025- 38175	75RB#0-7 5RB#0	NV	20	30.16	0.011611	±2.5	PASS
38-38	15MHz- 15MHz	64QAM- 64QAM	38025- 38175	75RB#0-7 5RB#0	NV	30	30.96	0.011919	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37850- 38048	100RB#0- 100RB#0	NV	-50	39.45	0.015291	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37850- 38048	100RB#0- 100RB#0	NV	-30	37.95	0.014709	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37850- 38048	100RB#0- 100RB#0	NV	-20	38.07	0.014756	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37850- 38048	100RB#0- 100RB#0	NV	-10	37.48	0.014527	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37850- 38048	100RB#0- 100RB#0	NV	0	39.65	0.015368	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37850- 38048	100RB#0- 100RB#0	NV	10	41.21	0.015973	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37850- 38048	100RB#0- 100RB#0	NV	20	42.47	0.016461	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37850- 38048	100RB#0- 100RB#0	NV	30	39.71	0.015391	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37850- 38048	100RB#0- 100RB#0	NV	-50	41.93	0.016252	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37850- 38048	100RB#0- 100RB#0	NV	-30	36.75	0.014244	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37850- 38048	100RB#0- 100RB#0	NV	-20	40.43	0.015671	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37850- 38048	100RB#0- 100RB#0	NV	-10	39.90	0.015465	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37850- 38048	100RB#0- 100RB#0	NV	0	44.27	0.017159	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37850- 38048	100RB#0- 100RB#0	NV	10	40.64	0.015752	±2.5	PASS

	20MHz	16QAM	38048	100RB#0						
38-38	20MHz- 20MHz	16QAM- 16QAM	37850- 38048	100RB#0- 100RB#0	NV	20	37.62	0.014581	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37850- 38048	100RB#0- 100RB#0	NV	30	42.11	0.016322	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37850- 38048	100RB#0- 100RB#0	NV	-50	39.47	0.015298	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37850- 38048	100RB#0- 100RB#0	NV	-30	38.47	0.014911	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37850- 38048	100RB#0- 100RB#0	NV	-20	40.40	0.015659	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37850- 38048	100RB#0- 100RB#0	NV	-10	41.34	0.016023	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37850- 38048	100RB#0- 100RB#0	NV	0	43.43	0.016833	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37850- 38048	100RB#0- 100RB#0	NV	10	40.71	0.015779	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37850- 38048	100RB#0- 100RB#0	NV	20	45.50	0.017636	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37850- 38048	100RB#0- 100RB#0	NV	30	38.88	0.015070	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37901- 38099	100RB#0- 100RB#0	NV	-50	41.74	0.016146	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37901- 38099	100RB#0- 100RB#0	NV	-30	44.09	0.017055	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37901- 38099	100RB#0- 100RB#0	NV	-20	40.84	0.015798	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37901- 38099	100RB#0- 100RB#0	NV	-10	42.60	0.016479	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37901- 38099	100RB#0- 100RB#0	NV	0	41.70	0.016131	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37901- 38099	100RB#0- 100RB#0	NV	10	42.53	0.016452	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37901- 38099	100RB#0- 100RB#0	NV	20	46.39	0.017945	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37901- 38099	100RB#0- 100RB#0	NV	30	42.56	0.016464	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37901- 38099	100RB#0- 100RB#0	NV	-50	41.13	0.015910	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37901- 38099	100RB#0- 100RB#0	NV	-30	42.27	0.016351	±2.5	PASS
38-38	20MHz-	16QAM-	37901-	100RB#0-	NV	-20	42.69	0.016514	±2.5	PASS

	20MHz	16QAM	38099	100RB#0						
38-38	20MHz- 20MHz	16QAM- 16QAM	37901- 38099	100RB#0- 100RB#0	NV	-10	43.10	0.016672	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37901- 38099	100RB#0- 100RB#0	NV	0	41.87	0.016197	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37901- 38099	100RB#0- 100RB#0	NV	10	42.77	0.016545	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37901- 38099	100RB#0- 100RB#0	NV	20	46.75	0.018084	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37901- 38099	100RB#0- 100RB#0	NV	30	42.01	0.016251	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37901- 38099	100RB#0- 100RB#0	NV	-50	44.90	0.017369	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37901- 38099	100RB#0- 100RB#0	NV	-30	43.26	0.016734	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37901- 38099	100RB#0- 100RB#0	NV	-20	43.20	0.016711	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37901- 38099	100RB#0- 100RB#0	NV	-10	41.44	0.016030	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37901- 38099	100RB#0- 100RB#0	NV	0	41.23	0.015949	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37901- 38099	100RB#0- 100RB#0	NV	10	42.27	0.016351	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37901- 38099	100RB#0- 100RB#0	NV	20	43.72	0.016912	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37901- 38099	100RB#0- 100RB#0	NV	30	44.46	0.017199	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37952- 38150	100RB#0- 100RB#0	NV	-50	43.27	0.016705	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37952- 38150	100RB#0- 100RB#0	NV	-30	42.43	0.016381	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37952- 38150	100RB#0- 100RB#0	NV	-20	43.67	0.016860	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37952- 38150	100RB#0- 100RB#0	NV	-10	46.28	0.017867	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37952- 38150	100RB#0- 100RB#0	NV	0	45.83	0.017694	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37952- 38150	100RB#0- 100RB#0	NV	10	44.05	0.017006	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q PSK	37952- 38150	100RB#0- 100RB#0	NV	20	44.93	0.017346	±2.5	PASS
38-38	20MHz- 20MHz	QPSK-Q	37952-	100RB#0-	NV	30	44.96	0.017358	±2.5	PASS

	20MHz	PSK	38150	100RB#0						
38-38	20MHz- 20MHz	16QAM- 16QAM	37952- 38150	100RB#0- 100RB#0	NV	-50	41.16	0.015891	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37952- 38150	100RB#0- 100RB#0	NV	-30	40.71	0.015717	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37952- 38150	100RB#0- 100RB#0	NV	-20	44.16	0.017049	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37952- 38150	100RB#0- 100RB#0	NV	-10	42.00	0.016215	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37952- 38150	100RB#0- 100RB#0	NV	0	44.07	0.017014	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37952- 38150	100RB#0- 100RB#0	NV	10	42.51	0.016412	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37952- 38150	100RB#0- 100RB#0	NV	20	43.30	0.016717	±2.5	PASS
38-38	20MHz- 20MHz	16QAM- 16QAM	37952- 38150	100RB#0- 100RB#0	NV	30	43.79	0.016906	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37952- 38150	100RB#0- 100RB#0	NV	-50	39.20	0.015134	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37952- 38150	100RB#0- 100RB#0	NV	-30	45.12	0.017420	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37952- 38150	100RB#0- 100RB#0	NV	-20	42.82	0.016532	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37952- 38150	100RB#0- 100RB#0	NV	-10	42.80	0.016524	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37952- 38150	100RB#0- 100RB#0	NV	0	41.64	0.016076	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37952- 38150	100RB#0- 100RB#0	NV	10	41.94	0.016192	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37952- 38150	100RB#0- 100RB#0	NV	20	42.61	0.016450	±2.5	PASS
38-38	20MHz- 20MHz	64QAM- 64QAM	37952- 38150	100RB#0- 100RB#0	NV	30	42.09	0.016250	±2.5	PASS