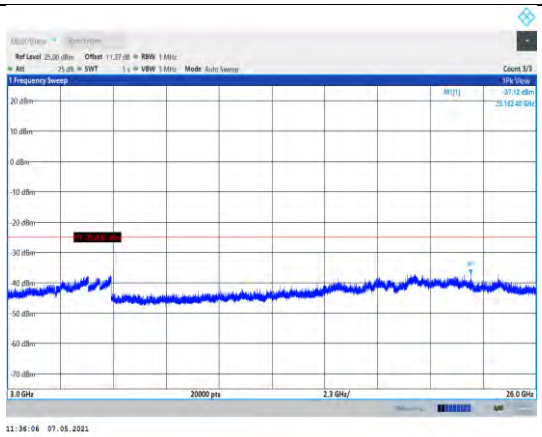
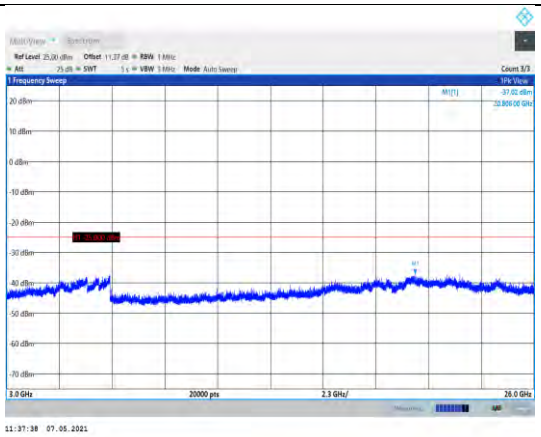
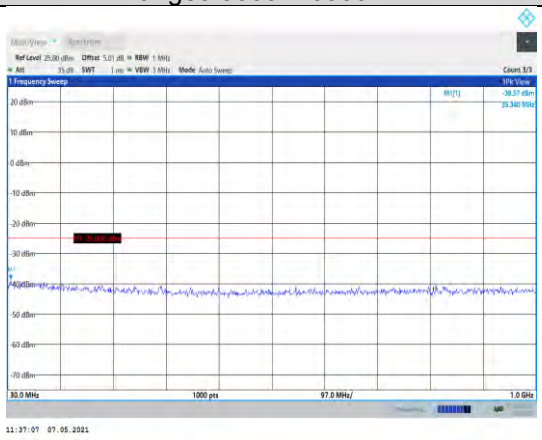


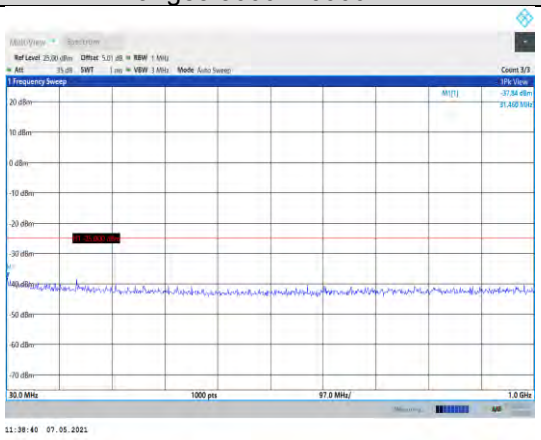
Band38-15MHz-QPSK-37825-1RB#0-Range3:3000~26000MHz



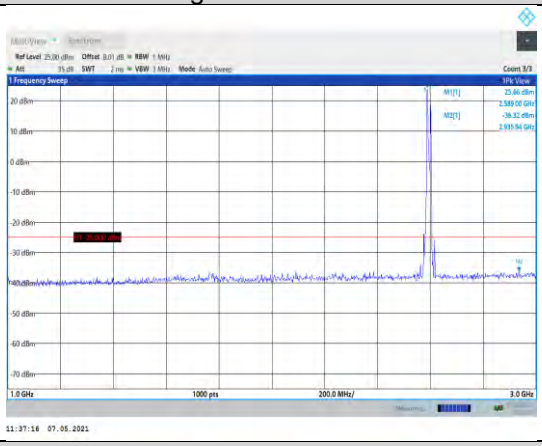
Band38-15MHz-QPSK-38000-1RB#0-Range3:3000~26000MHz



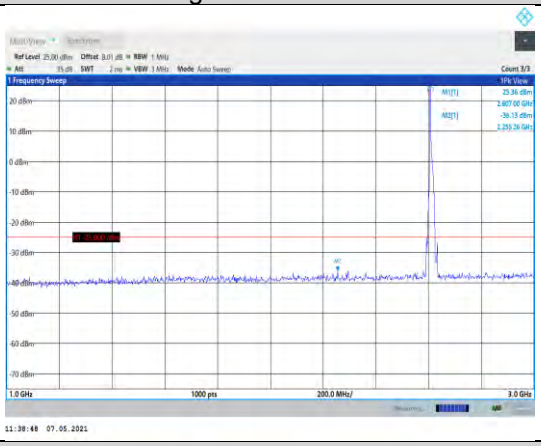
Band38-15MHz-QPSK-38000-1RB#0-Range1:30~1000MHz



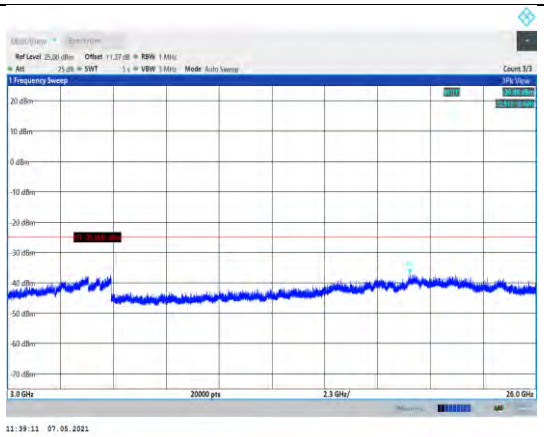
Band38-15MHz-QPSK-38175-1RB#0-Range1:30~1000MHz



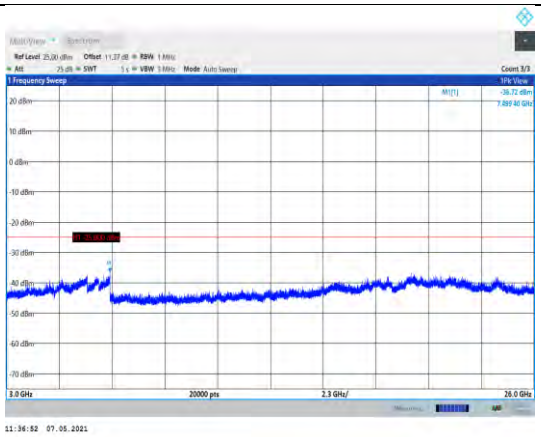
Band38-15MHz-QPSK-38000-1RB#0-Range2:1000~3000MHz



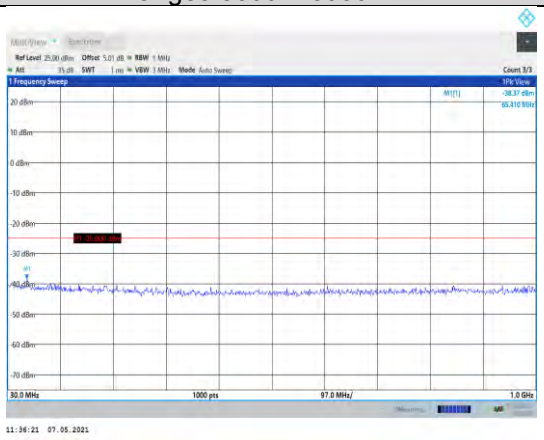
Band38-15MHz-QPSK-38175-1RB#0-Range2:1000~3000MHz



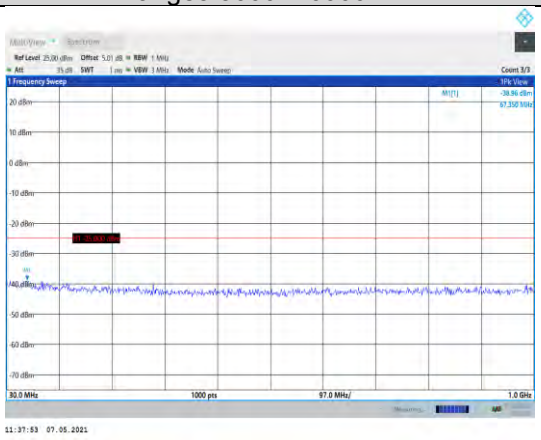
Band38-15MHz-QPSK-38175-1RB#0-Range3:3000~26000MHz



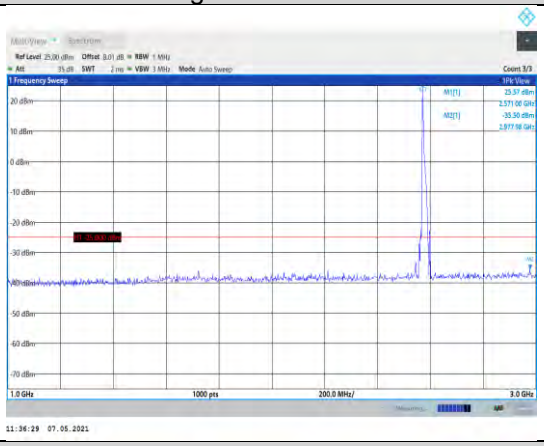
Band38-15MHz-16QAM-37825-1RB#0-Range3:3000~26000MHz



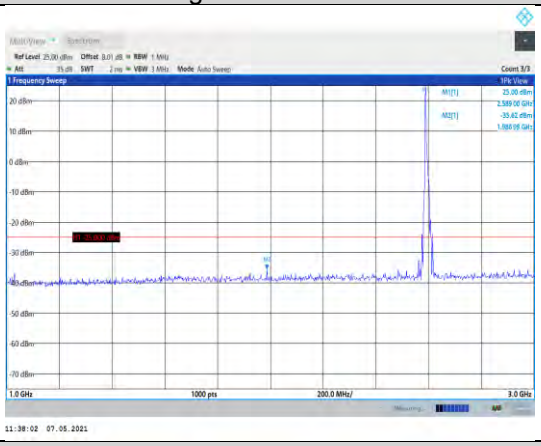
Band38-15MHz-16QAM-37825-1RB#0-Range1:30~1000MHz



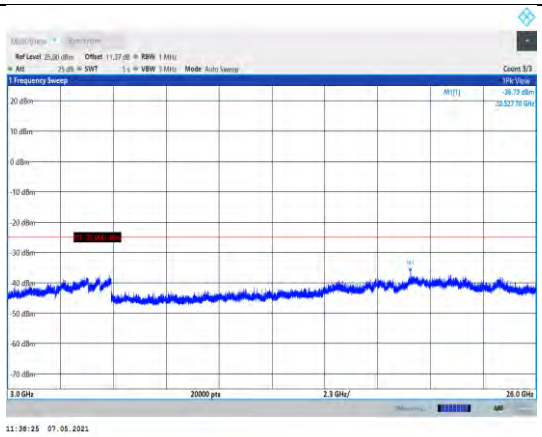
Band38-15MHz-16QAM-38000-1RB#0-Range1:30~1000MHz



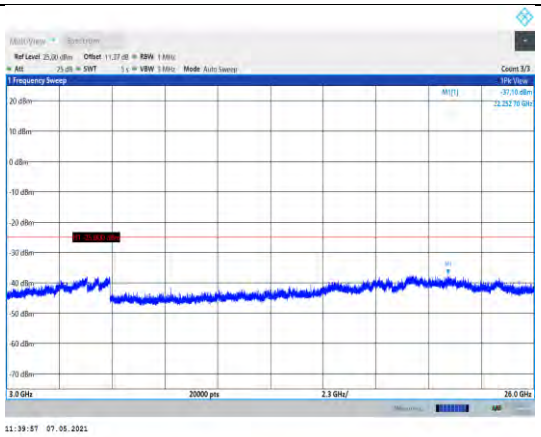
Band38-15MHz-16QAM-37825-1RB#0-Range2:1000~3000MHz



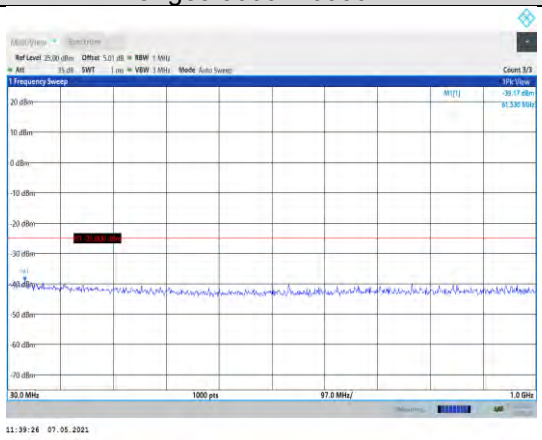
Band38-15MHz-16QAM-38000-1RB#0-Range2:1000~3000MHz



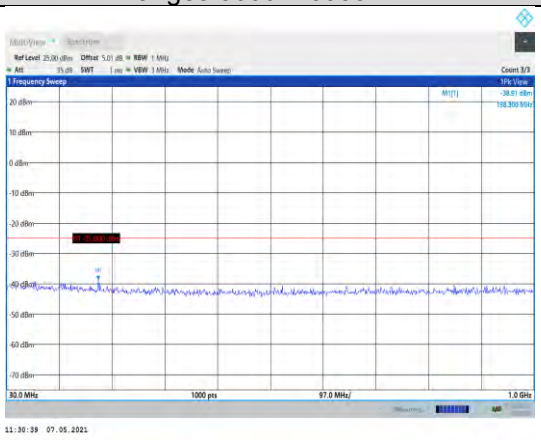
Band38-15MHz-16QAM-38000-1RB#0-Range3:3000~26000MHz



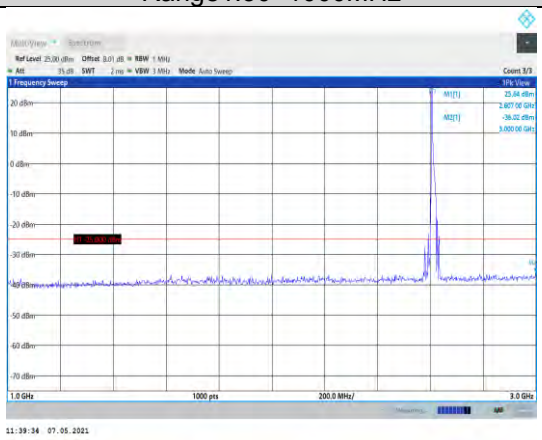
Band38-15MHz-16QAM-38175-1RB#0-Range3:3000~26000MHz



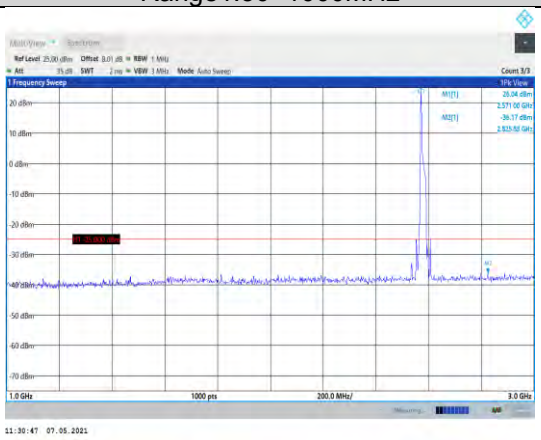
Band38-15MHz-16QAM-38175-1RB#0-Range1:30~1000MHz



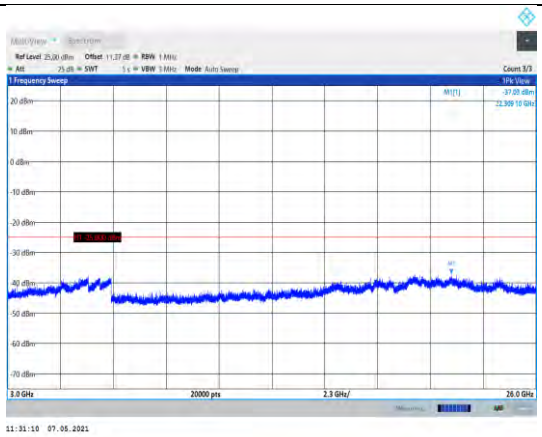
Band38-20MHz-QPSK-37850-1RB#0-Range1:30~1000MHz



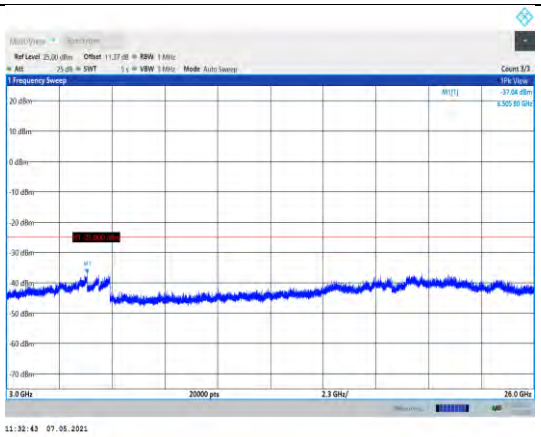
Band38-15MHz-16QAM-38175-1RB#0-Range2:1000~3000MHz



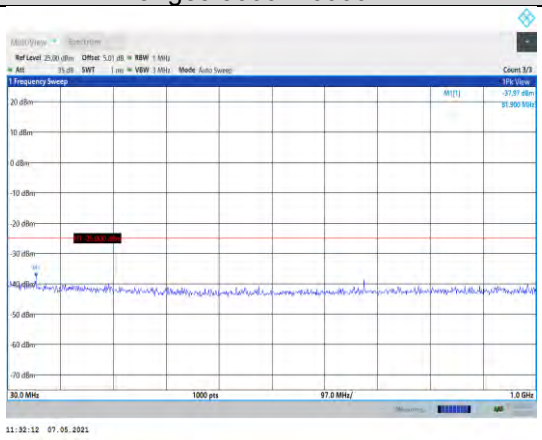
Band38-20MHz-QPSK-37850-1RB#0-Range2:1000~3000MHz



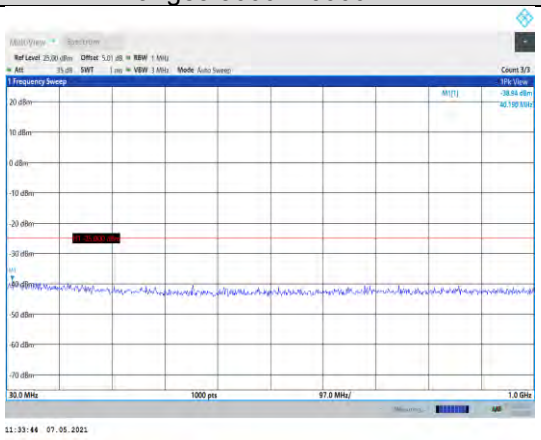
Band38-20MHz-QPSK-37850-1RB#0-Range3:3000~26000MHz



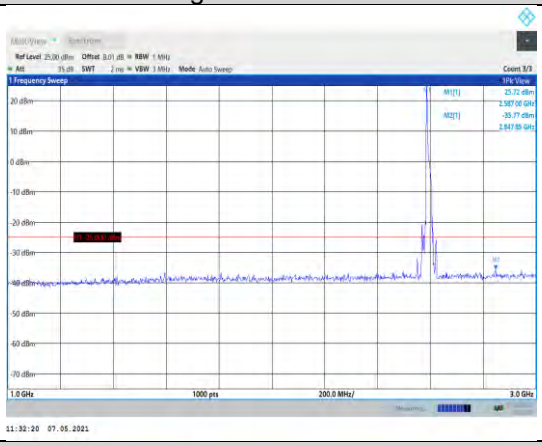
Band38-20MHz-QPSK-38000-1RB#0-Range3:3000~26000MHz



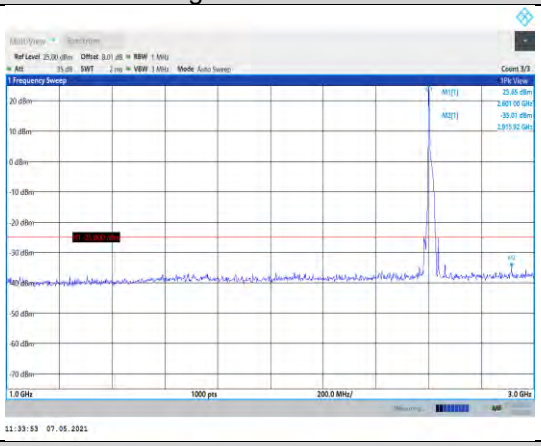
Band38-20MHz-QPSK-38000-1RB#0-Range1:30~1000MHz



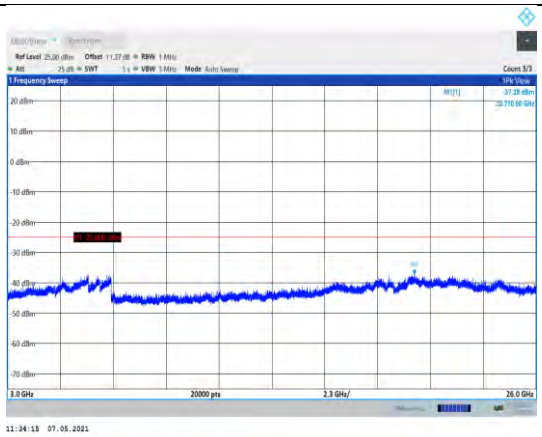
Band38-20MHz-QPSK-38150-1RB#0-Range1:30~1000MHz



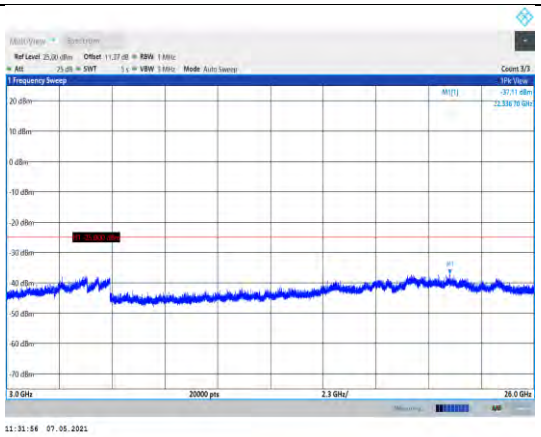
Band38-20MHz-QPSK-38000-1RB#0-Range2:1000~3000MHz



Band38-20MHz-QPSK-38150-1RB#0-Range2:1000~3000MHz

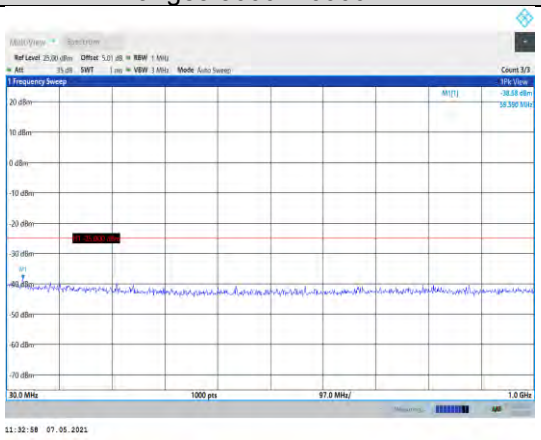


Band38-20MHz-QPSK-38150-1RB#0-Range3:3000~26000MHz

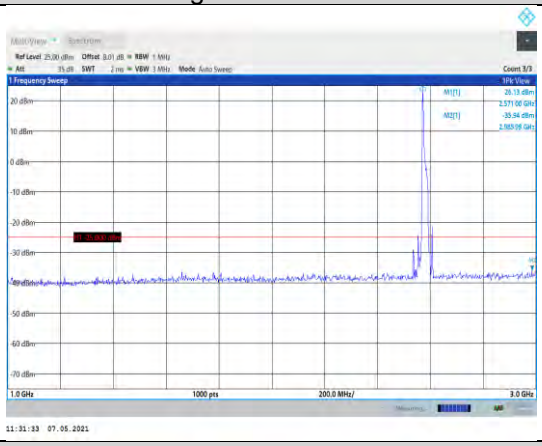


Band38-20MHz-16QAM-37850-1RB#0-Range3:3000~26000MHz

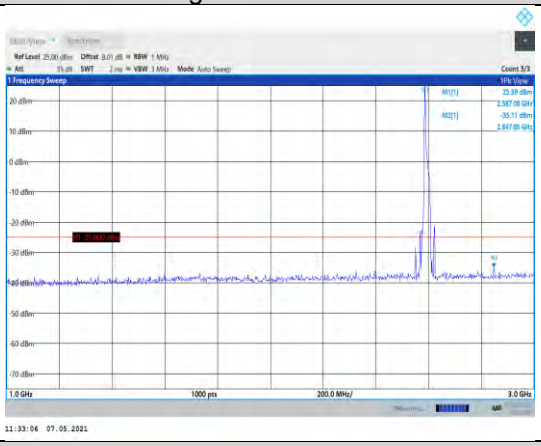
Band38-20MHz-16QAM-37850-1RB#0-Range1:30~1000MHz



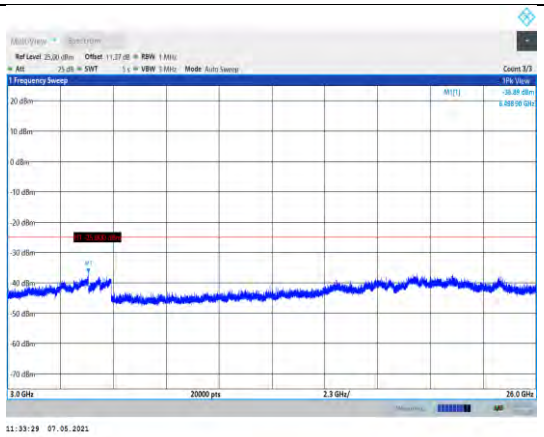
Band38-20MHz-16QAM-38000-1RB#0-Range1:30~1000MHz



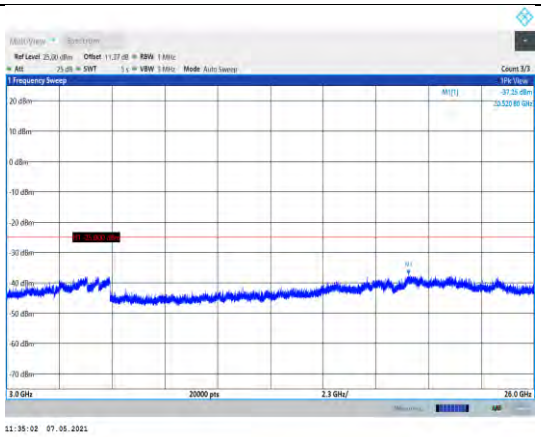
Band38-20MHz-16QAM-37850-1RB#0-Range2:1000~3000MHz



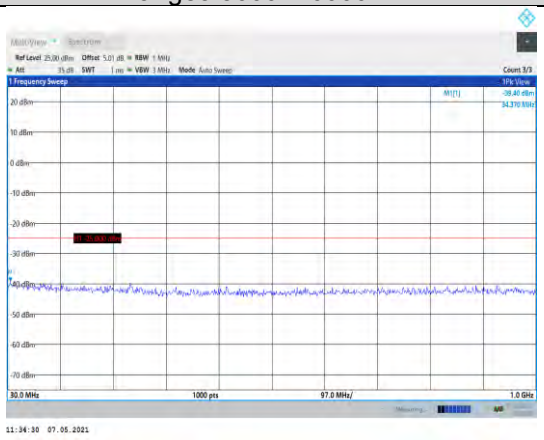
Band38-20MHz-16QAM-38000-1RB#0-Range2:1000~3000MHz



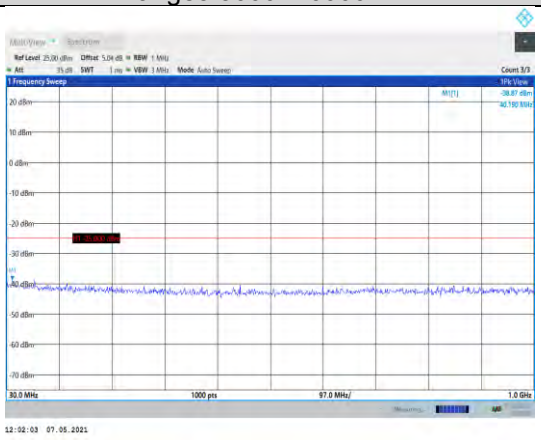
Band38-20MHz-16QAM-38000-1RB#0-Range3:3000~26000MHz



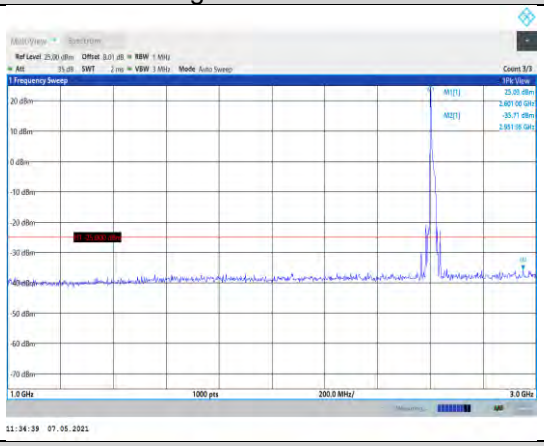
Band38-20MHz-16QAM-38150-1RB#0-Range3:3000~26000MHz



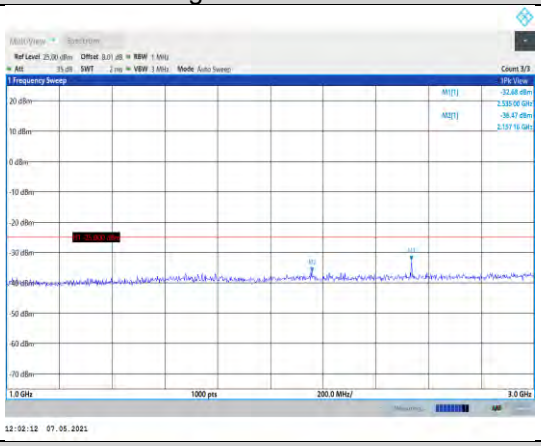
Band38-20MHz-16QAM-38150-1RB#0-Range1:30~1000MHz



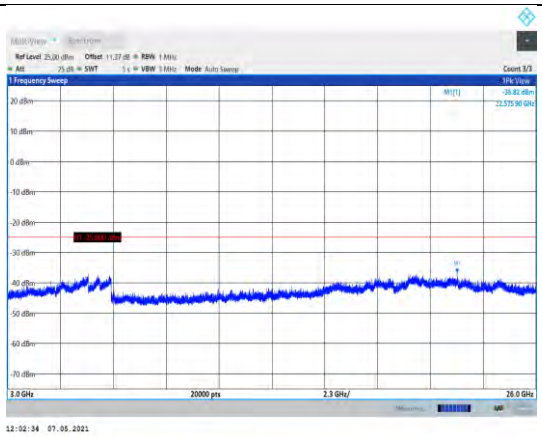
Band41-5MHz-QPSK-40065-1RB#0-Range1:30~1000MHz



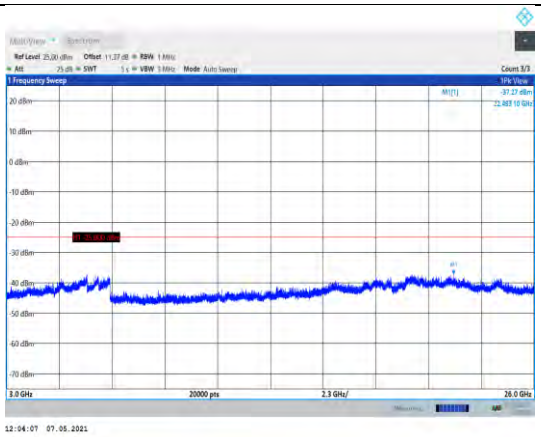
Band38-20MHz-16QAM-38150-1RB#0-Range2:1000~3000MHz



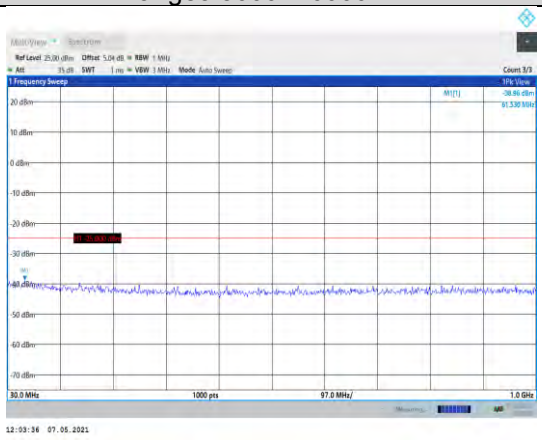
Band41-5MHz-QPSK-40065-1RB#0-Range2:1000~3000MHz



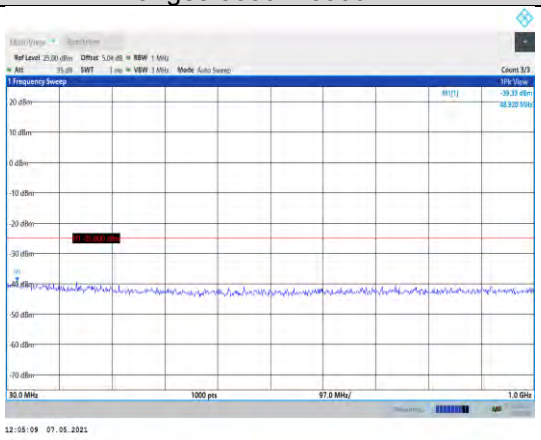
Band41-5MHz-QPSK-40065-1RB#0-Range3:3000~26000MHz



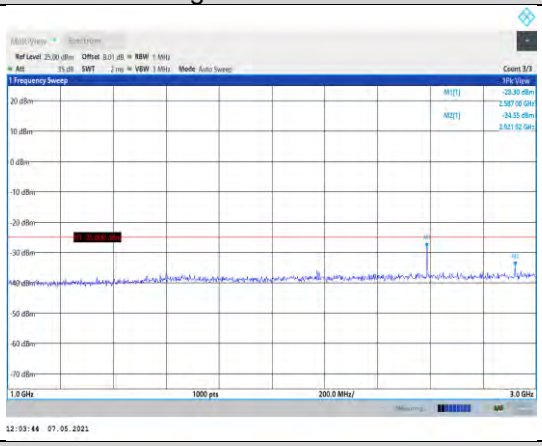
Band41-5MHz-QPSK-40590-1RB#0-Range3:3000~26000MHz



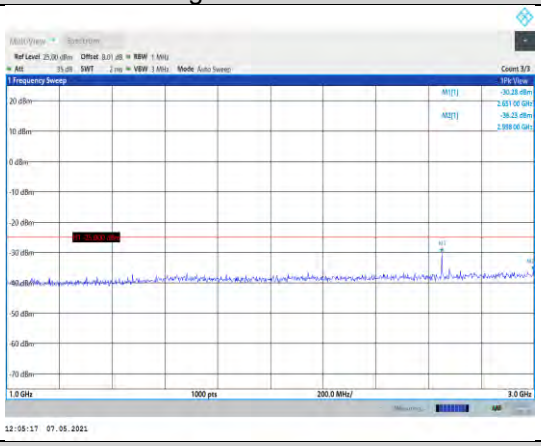
Band41-5MHz-QPSK-40590-1RB#0-Range1:30~1000MHz



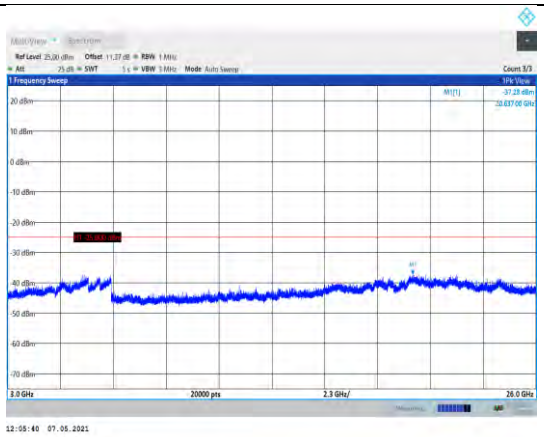
Band41-5MHz-QPSK-41215-1RB#0-Range1:30~1000MHz



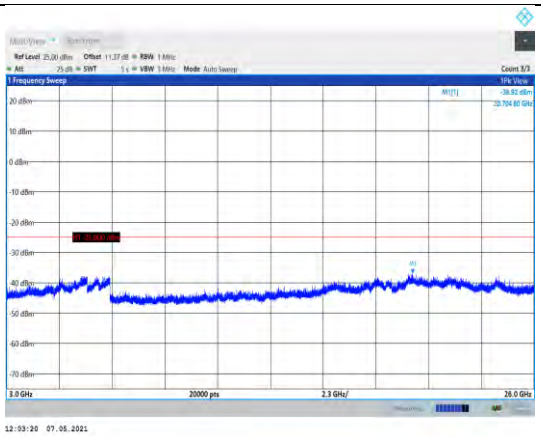
Band41-5MHz-QPSK-40590-1RB#0-Range2:1000~3000MHz



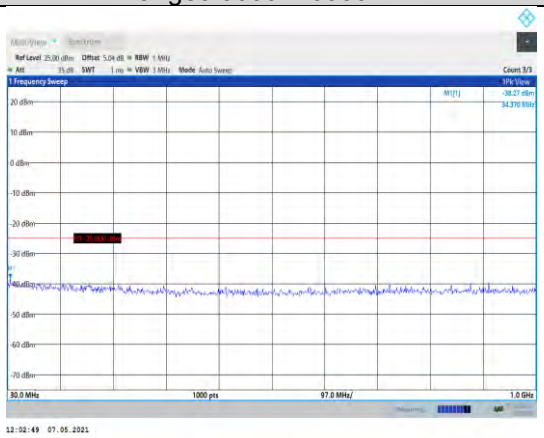
Band41-5MHz-QPSK-41215-1RB#0-Range2:1000~3000MHz



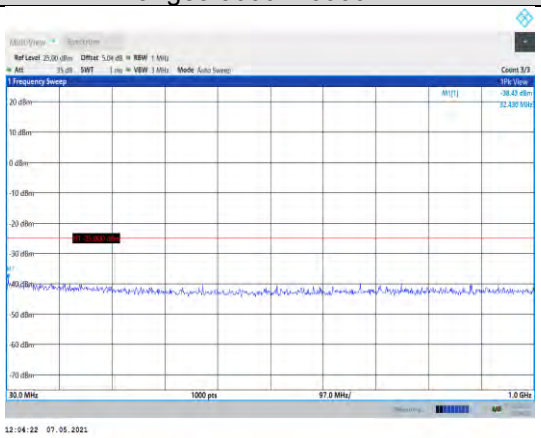
Band41-5MHz-QPSK-41215-1RB#0-Range3:3000~26000MHz



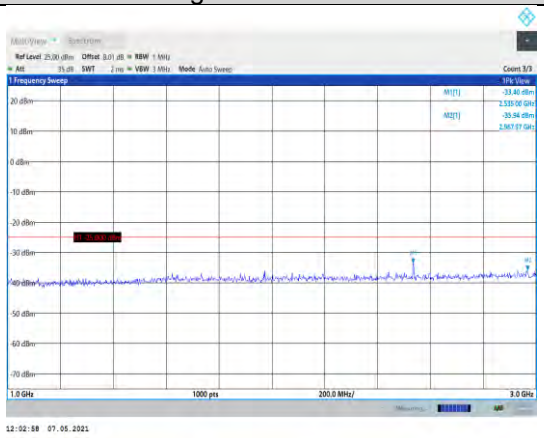
Band41-5MHz-16QAM-40065-1RB#0-Range3:3000~26000MHz



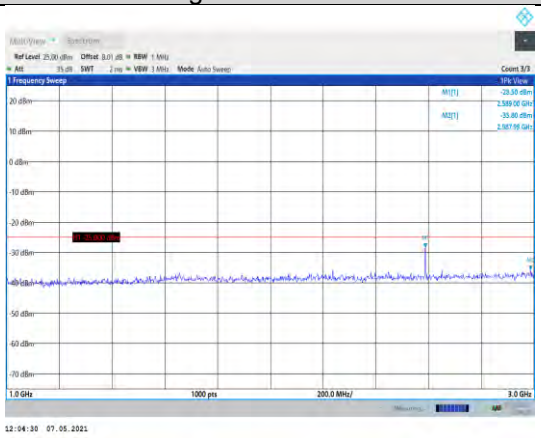
Band41-5MHz-16QAM-40065-1RB#0-Range1:30~1000MHz



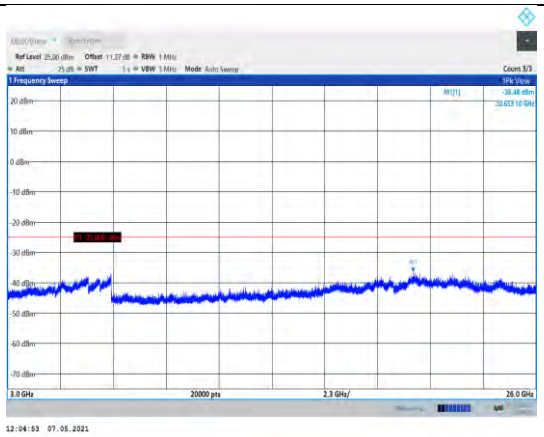
Band41-5MHz-16QAM-40590-1RB#0-Range1:30~1000MHz



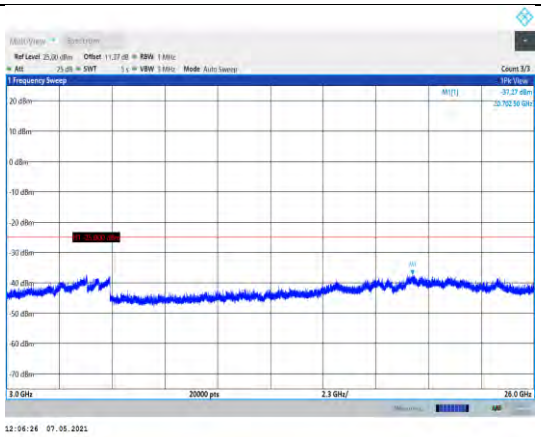
Band41-5MHz-16QAM-40065-1RB#0-Range2:1000~3000MHz



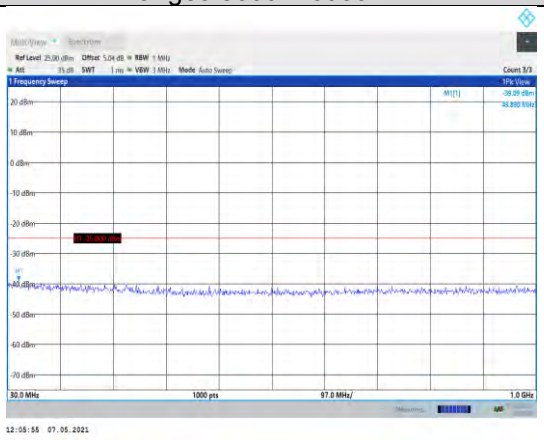
Band41-5MHz-16QAM-40590-1RB#0-Range2:1000~3000MHz



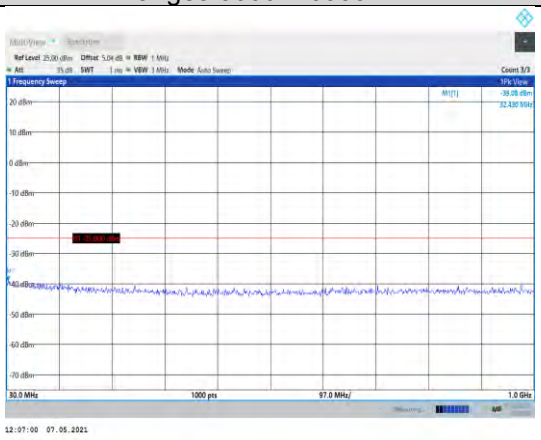
Band41-5MHz-16QAM-40590-1RB#0-Range3:3000~26000MHz



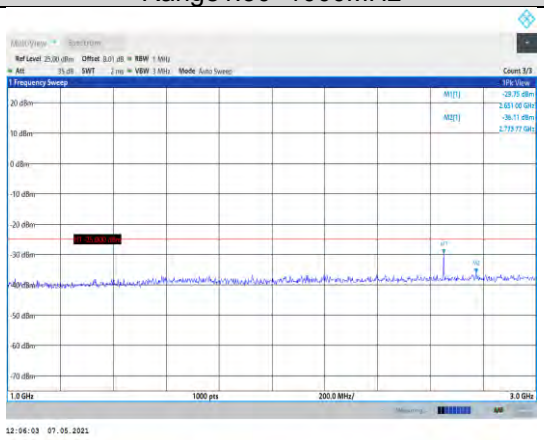
Band41-5MHz-16QAM-41215-1RB#0-Range3:3000~26000MHz



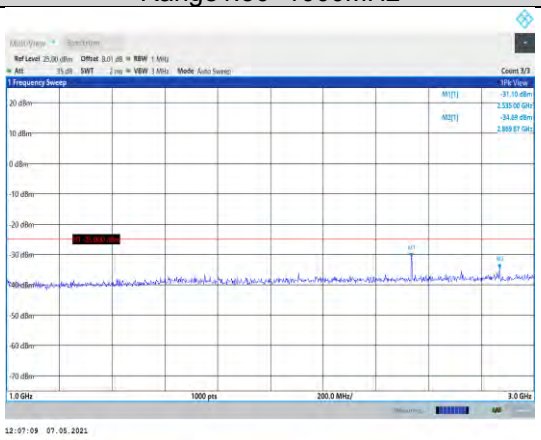
Band41-5MHz-16QAM-41215-1RB#0-Range1:30~1000MHz



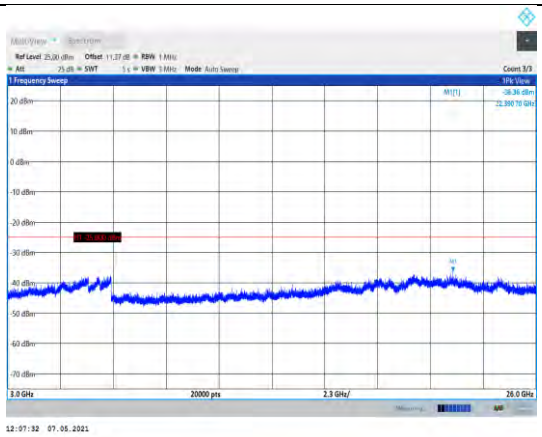
Band41-10MHz-QPSK-40090-1RB#0-Range1:30~1000MHz



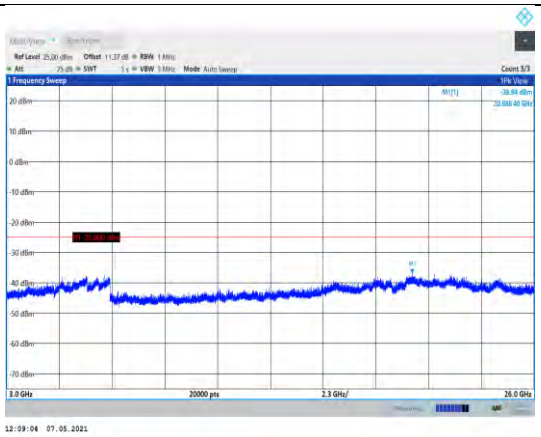
Band41-5MHz-16QAM-41215-1RB#0-Range2:1000~3000MHz



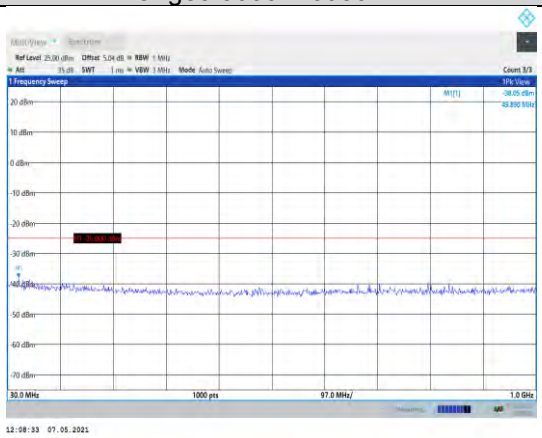
Band41-10MHz-QPSK-40090-1RB#0-Range2:1000~3000MHz



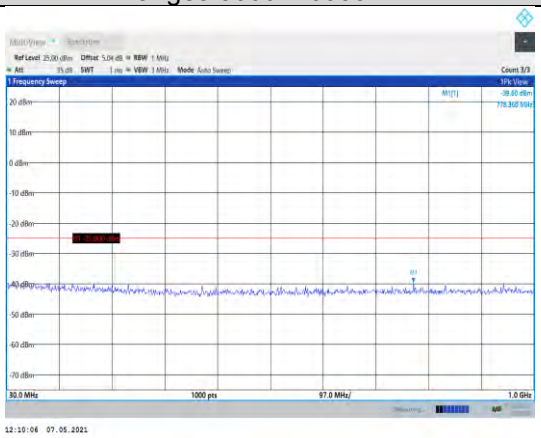
Band41-10MHz-QPSK-40090-1RB#0-Range3:3000~26000MHz



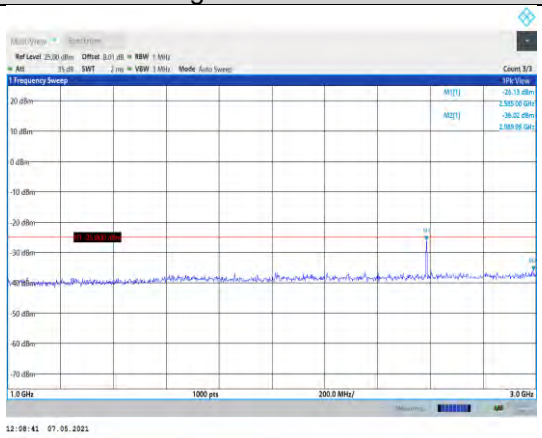
Band41-10MHz-QPSK-40590-1RB#0-Range3:3000~26000MHz



Band41-10MHz-QPSK-40590-1RB#0-Range1:30~1000MHz

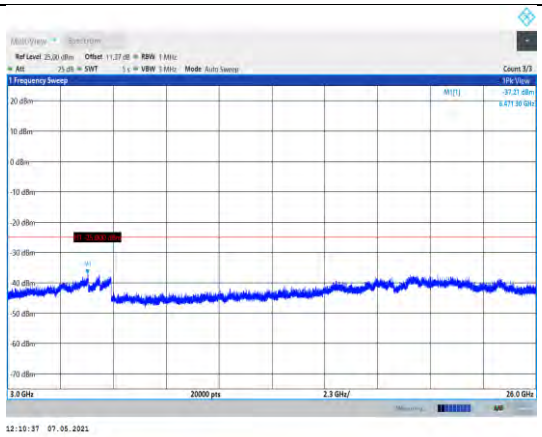


Band41-10MHz-QPSK-41190-1RB#0-Range1:30~1000MHz

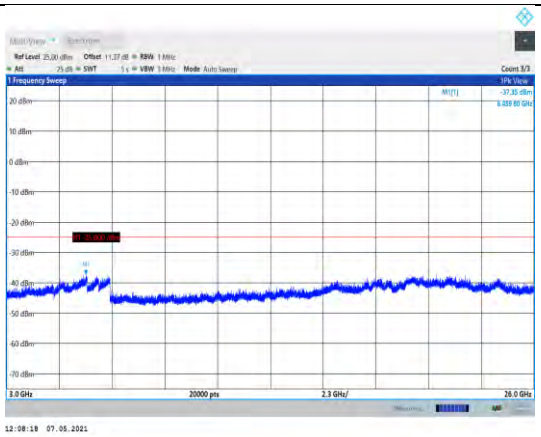


Band41-10MHz-QPSK-40590-1RB#0-Range2:1000~3000MHz

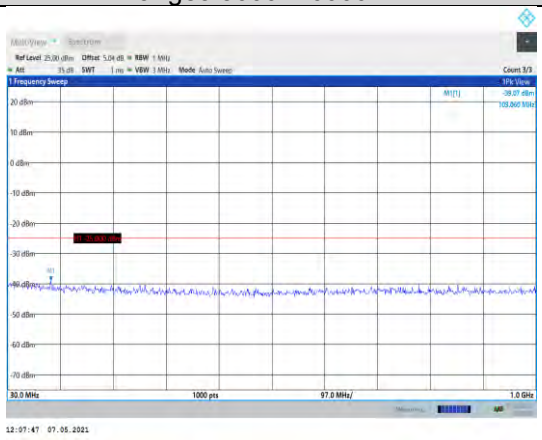
Band41-10MHz-QPSK-41190-1RB#0-Range2:1000~3000MHz



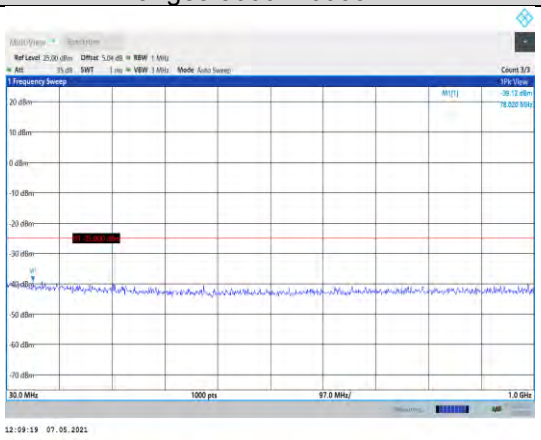
Band41-10MHz-QPSK-41190-1RB#0-Range3:3000~26000MHz



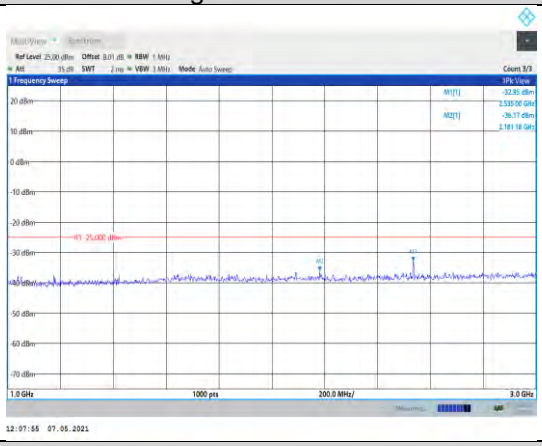
Band41-10MHz-16QAM-40090-1RB#0-Range3:3000~26000MHz



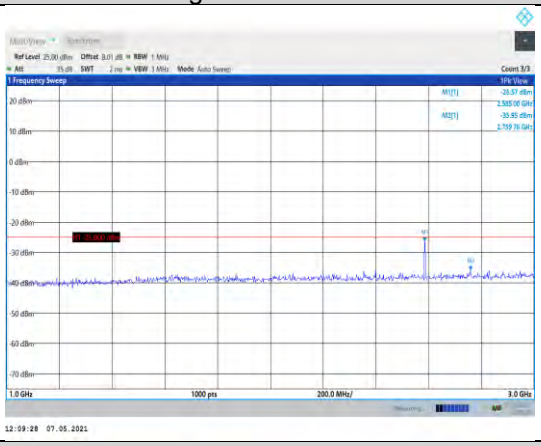
Band41-10MHz-16QAM-40090-1RB#0-Range1:30~1000MHz



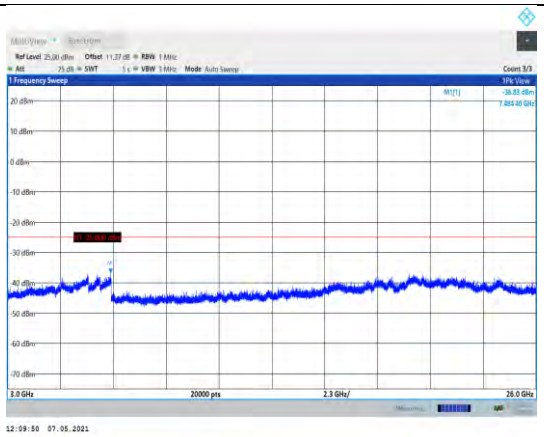
Band41-10MHz-16QAM-40590-1RB#0-Range1:30~1000MHz



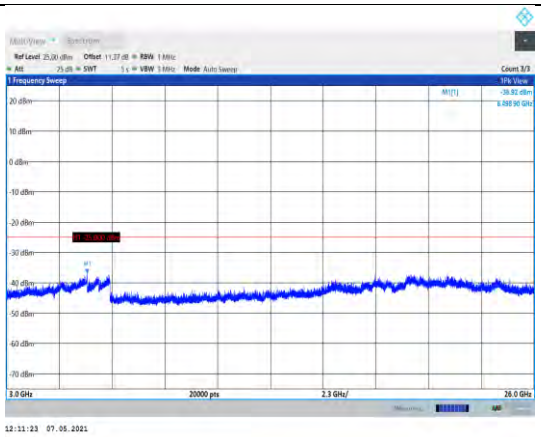
Band41-10MHz-16QAM-40090-1RB#0-Range2:1000~3000MHz



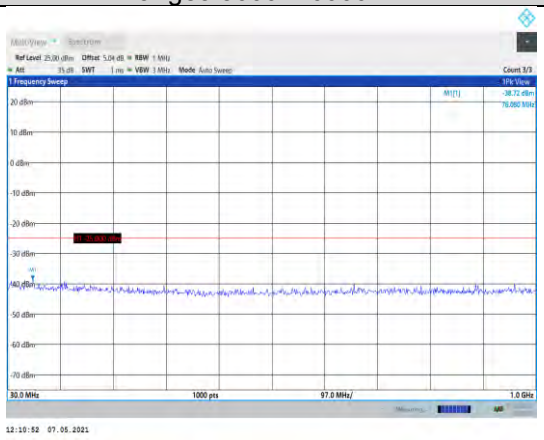
Band41-10MHz-16QAM-40590-1RB#0-Range2:1000~3000MHz



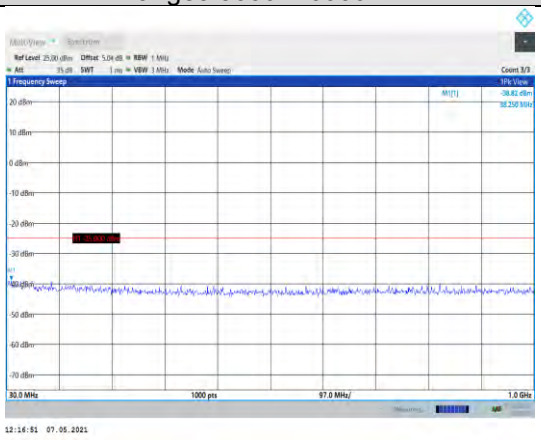
Band41-10MHz-16QAM-40590-1RB#0-Range3:3000~26000MHz



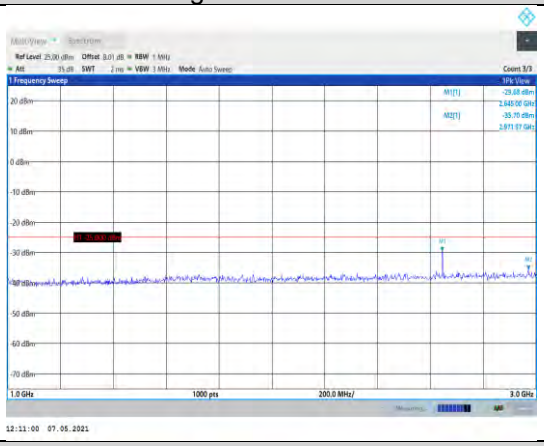
Band41-10MHz-16QAM-41190-1RB#0-Range3:3000~26000MHz



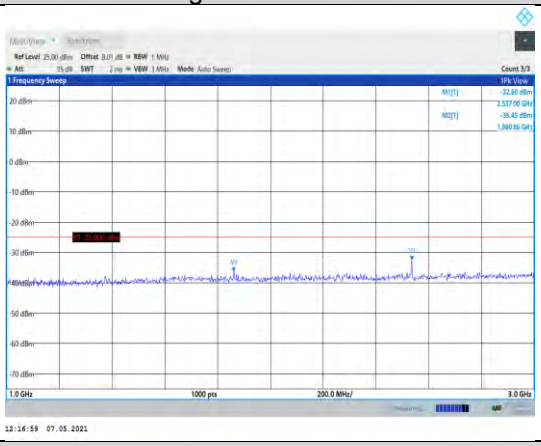
Band41-10MHz-16QAM-41190-1RB#0-Range1:30~1000MHz



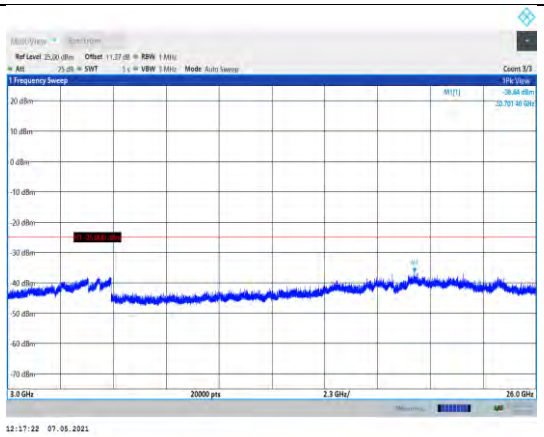
Band41-15MHz-QPSK-40115-1RB#0-Range1:30~1000MHz



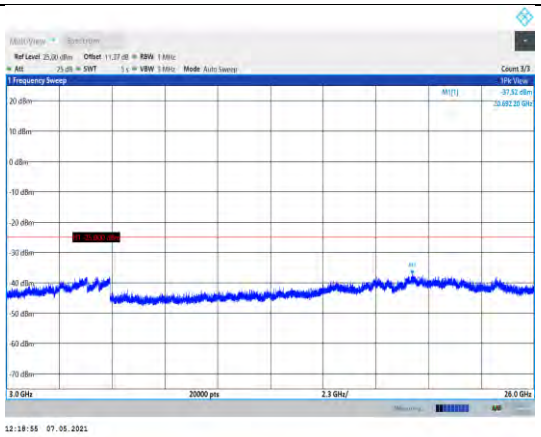
Band41-10MHz-16QAM-41190-1RB#0-Range2:1000~3000MHz



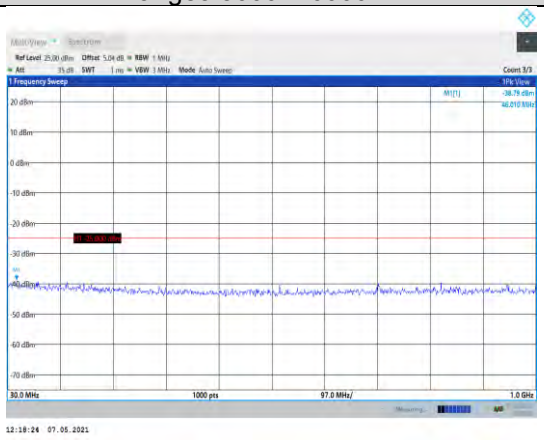
Band41-15MHz-QPSK-40115-1RB#0-Range2:1000~3000MHz



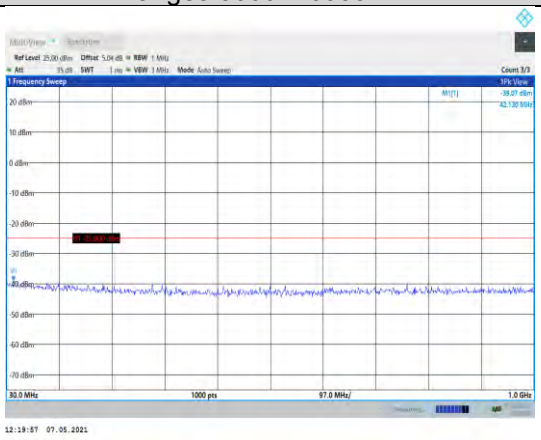
Band41-15MHz-QPSK-40115-1RB#0-Range3:3000~26000MHz



Band41-15MHz-QPSK-40590-1RB#0-Range3:3000~26000MHz

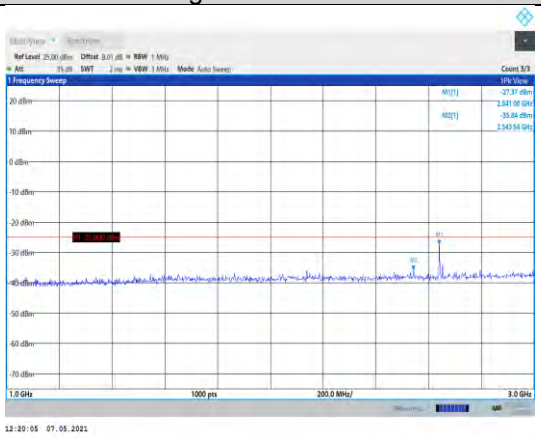


Band41-15MHz-QPSK-40590-1RB#0-Range1:30~1000MHz

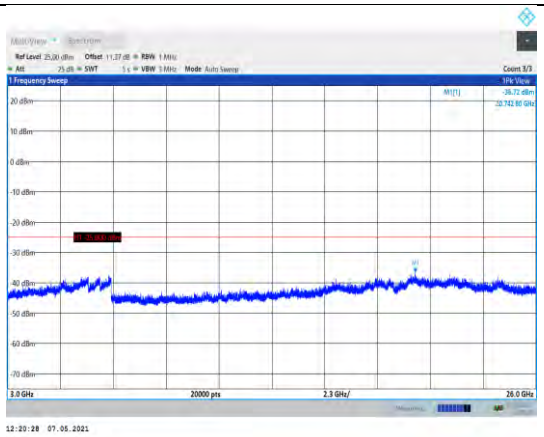


Band41-15MHz-QPSK-41165-1RB#0-Range1:30~1000MHz

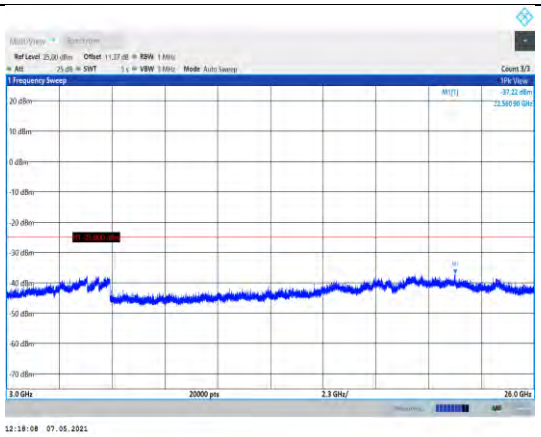
Band41-15MHz-QPSK-40590-1RB#0-Range2:1000~3000MHz



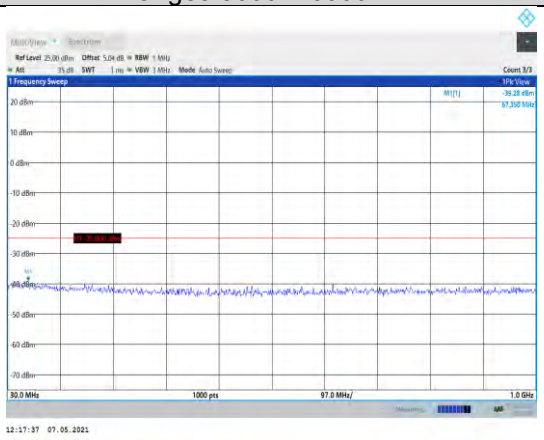
Band41-15MHz-QPSK-41165-1RB#0-Range2:1000~3000MHz



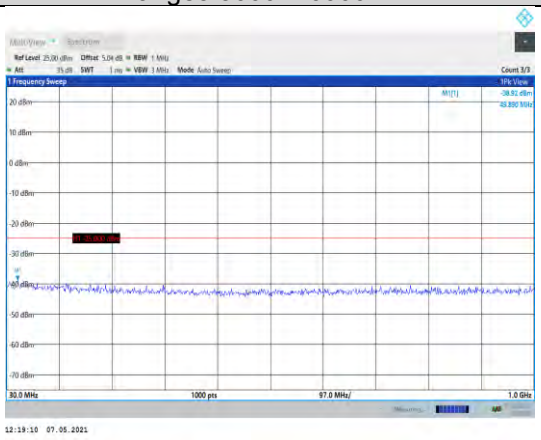
Band41-15MHz-QPSK-41165-1RB#0-Range3:3000~26000MHz



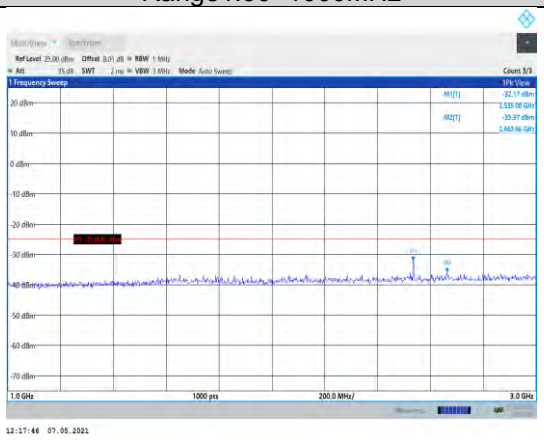
Band41-15MHz-16QAM-40115-1RB#0-Range3:3000~26000MHz



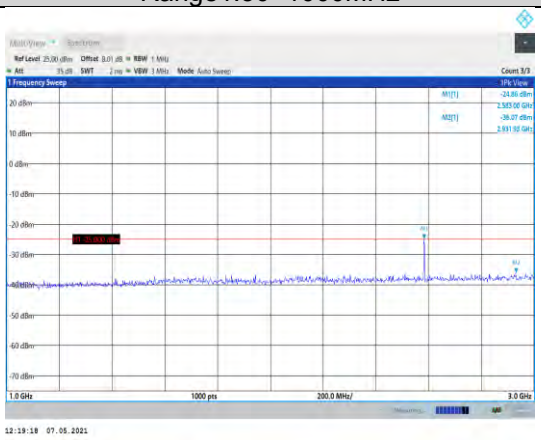
Band41-15MHz-16QAM-40115-1RB#0-Range1:30~1000MHz



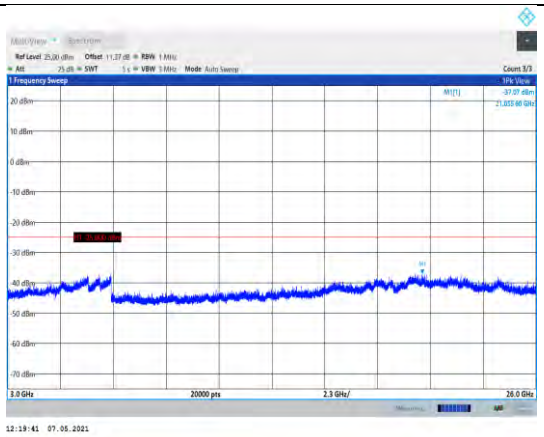
Band41-15MHz-16QAM-40590-1RB#0-Range1:30~1000MHz



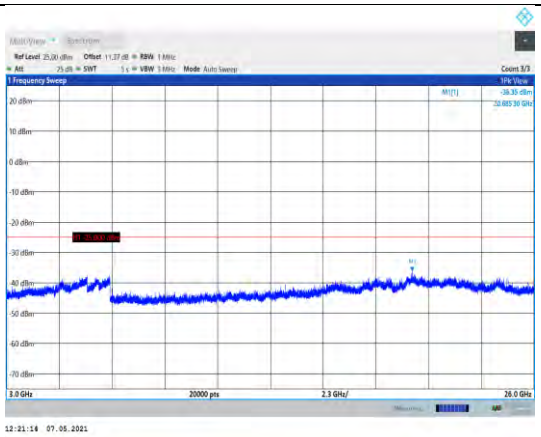
Band41-15MHz-16QAM-40115-1RB#0-Range2:1000~3000MHz



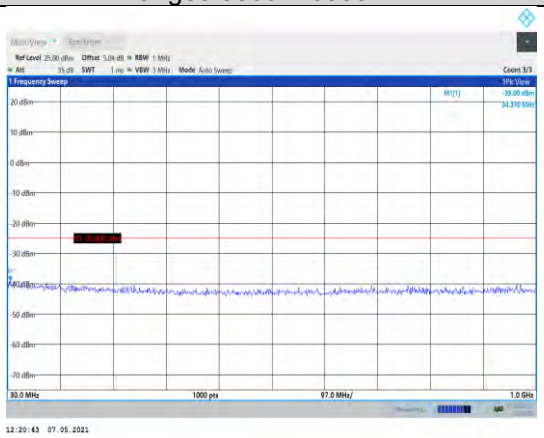
Band41-15MHz-16QAM-40590-1RB#0-Range2:1000~3000MHz



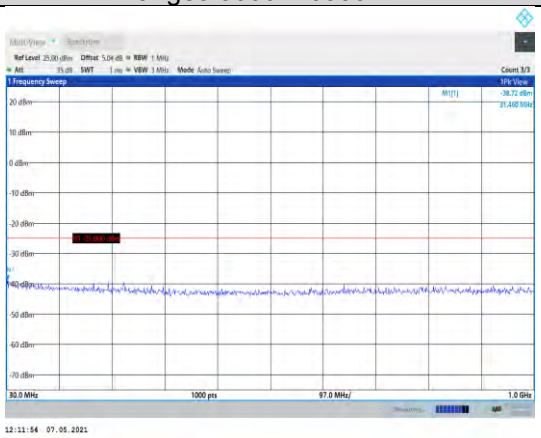
Band41-15MHz-16QAM-40590-1RB#0-Range3:3000~26000MHz



Band41-15MHz-16QAM-41165-1RB#0-Range3:3000~26000MHz

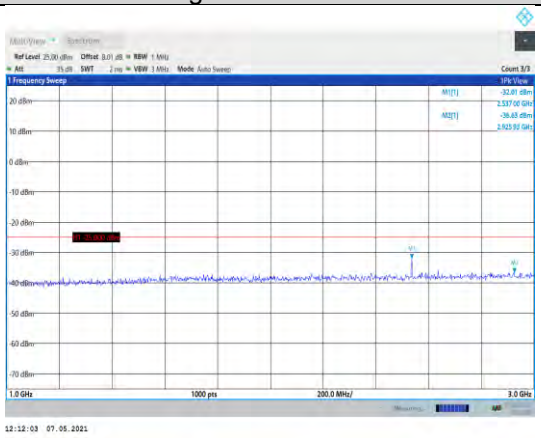


Band41-15MHz-16QAM-41165-1RB#0-Range1:30~1000MHz

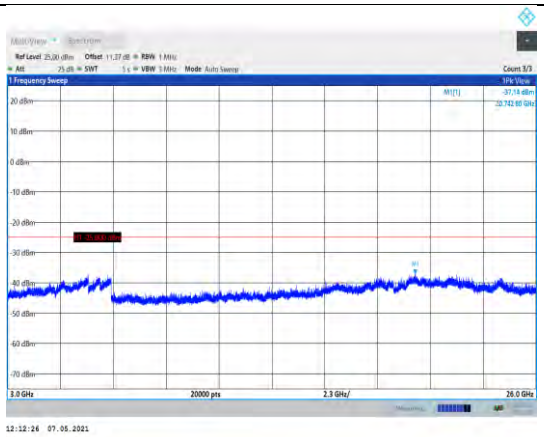


Band41-20MHz-QPSK-40140-1RB#0-Range1:30~1000MHz

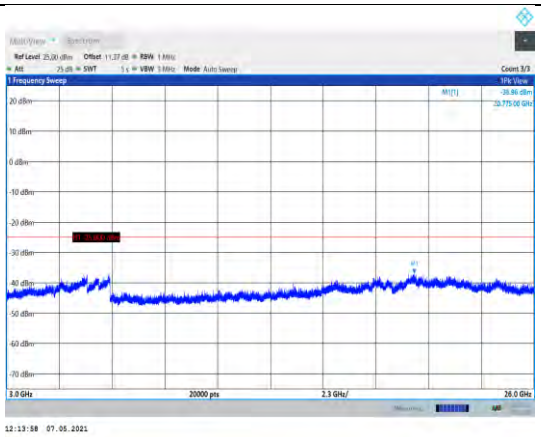
Band41-15MHz-16QAM-41165-1RB#0-Range2:1000~3000MHz



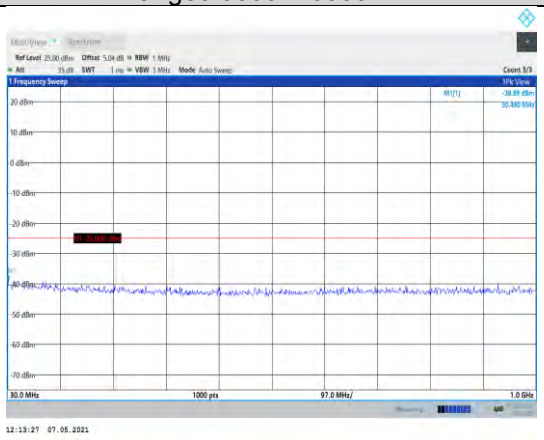
Band41-20MHz-QPSK-40140-1RB#0-Range2:1000~3000MHz



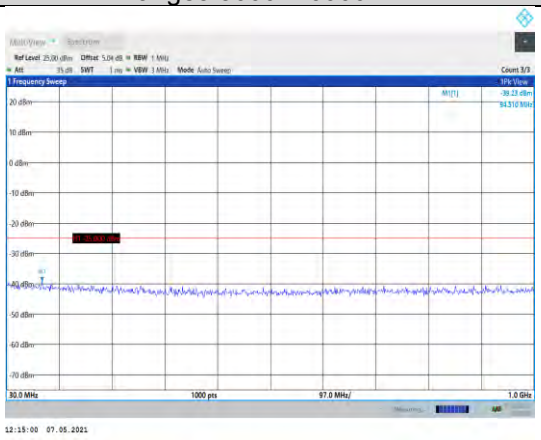
Band41-20MHz-QPSK-40140-1RB#0-Range3:3000~26000MHz



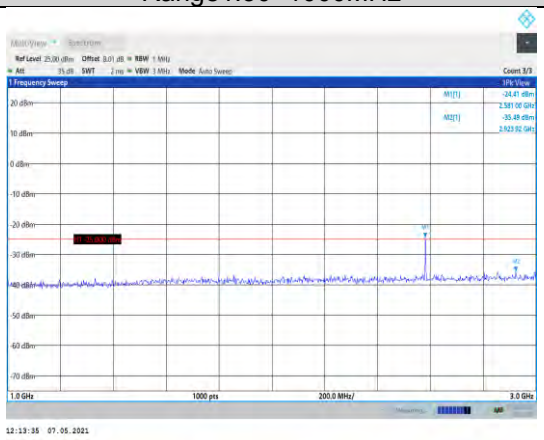
Band41-20MHz-QPSK-40590-1RB#0-Range3:3000~26000MHz



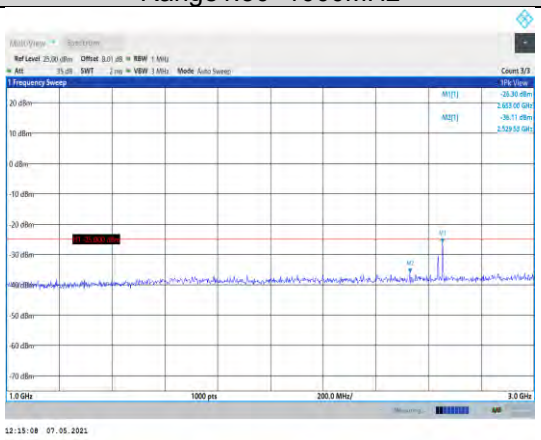
Band41-20MHz-QPSK-40590-1RB#0-Range1:30~1000MHz



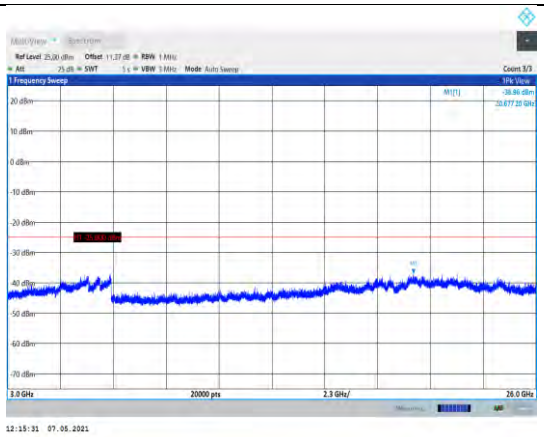
Band41-20MHz-QPSK-41140-1RB#0-Range1:30~1000MHz



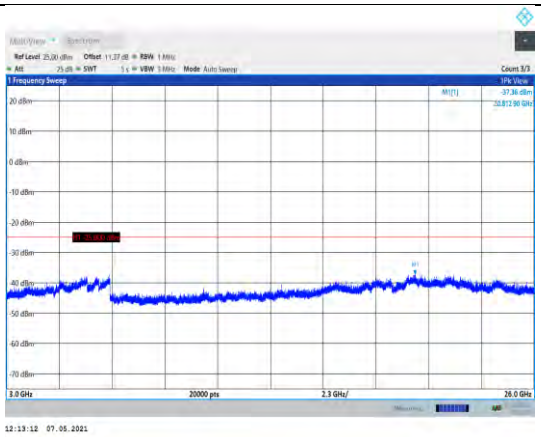
Band41-20MHz-QPSK-40590-1RB#0-Range2:1000~3000MHz



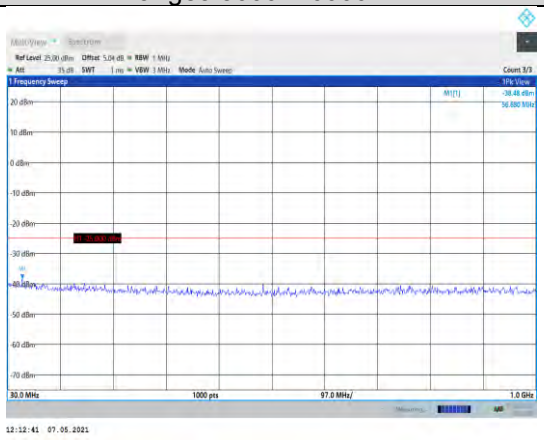
Band41-20MHz-QPSK-41140-1RB#0-Range2:1000~3000MHz



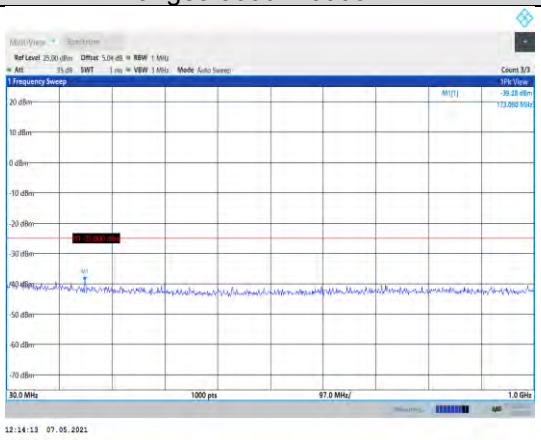
Band41-20MHz-QPSK-41140-1RB#0-Range3:3000~26000MHz



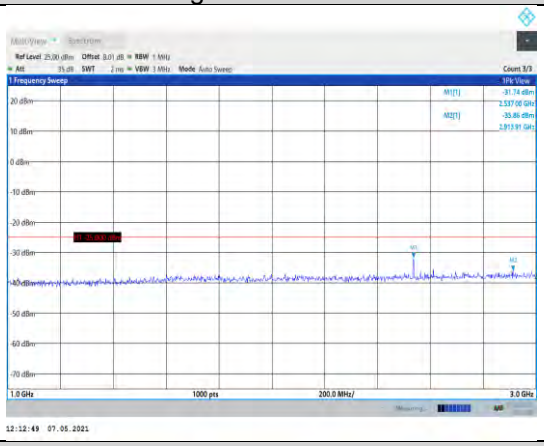
Band41-20MHz-16QAM-40140-1RB#0-Range3:3000~26000MHz



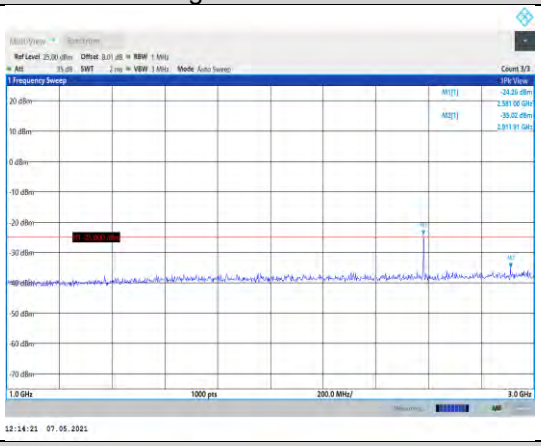
Band41-20MHz-16QAM-40140-1RB#0-Range1:30~1000MHz



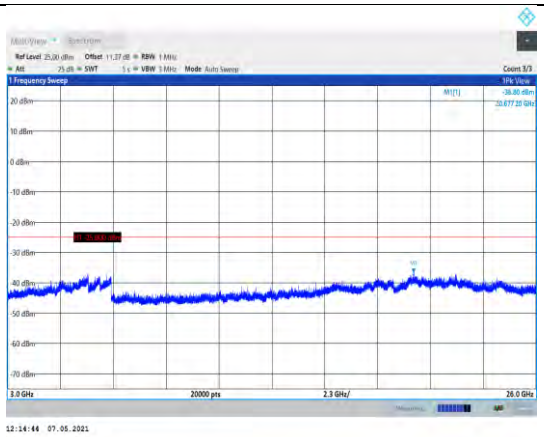
Band41-20MHz-16QAM-40590-1RB#0-Range1:30~1000MHz



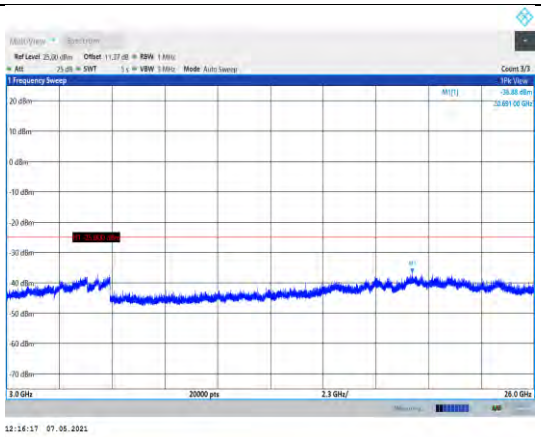
Band41-20MHz-16QAM-40140-1RB#0-Range2:1000~3000MHz



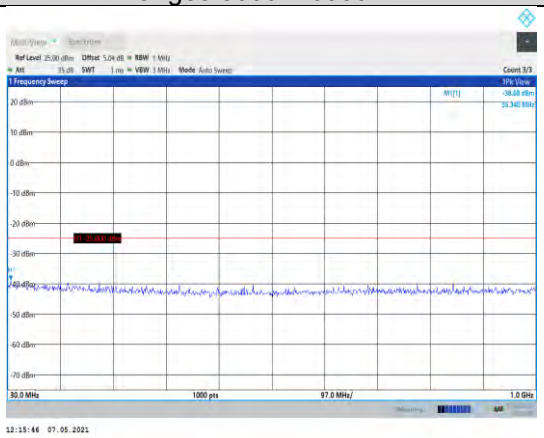
Band41-20MHz-16QAM-40590-1RB#0-Range2:1000~3000MHz



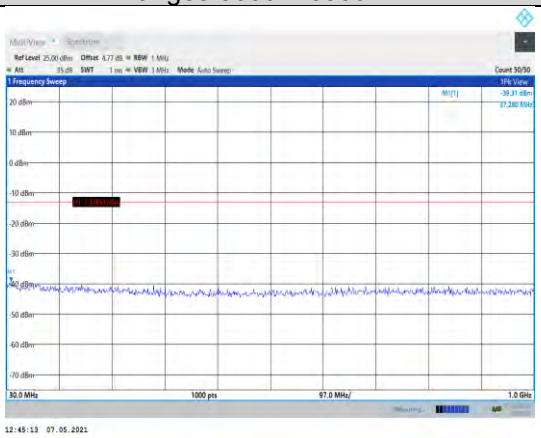
Band41-20MHz-16QAM-40590-1RB#0-Range3:3000~26000MHz



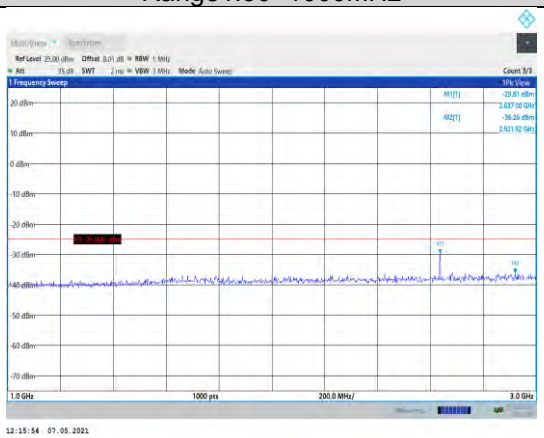
Band41-20MHz-16QAM-41140-1RB#0-Range3:3000~26000MHz



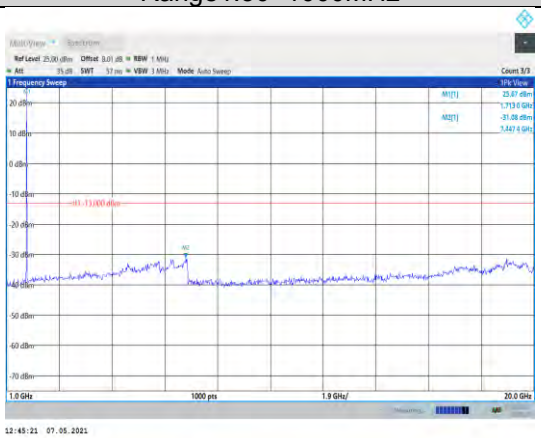
Band41-20MHz-16QAM-41140-1RB#0-Range1:30~1000MHz



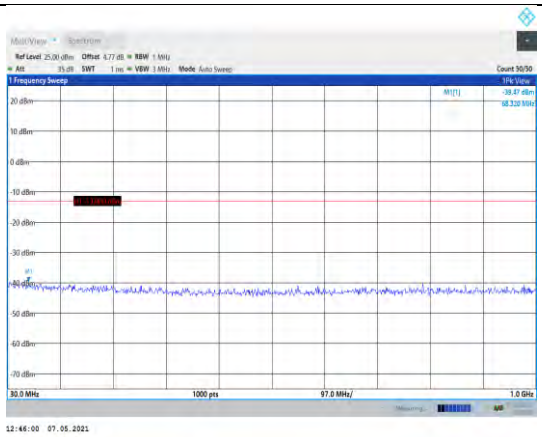
Band66-1.4MHz-QPSK-131979-1RB#0-Range1:30~1000MHz



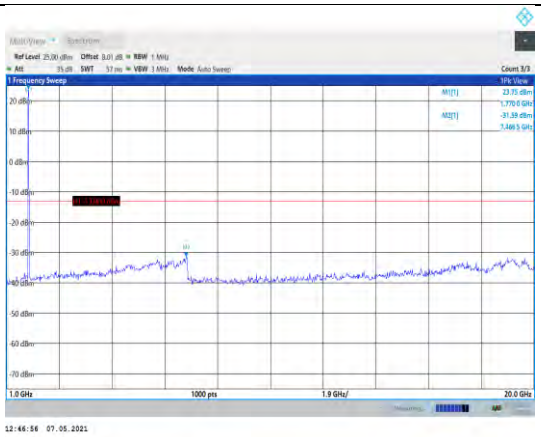
Band41-20MHz-16QAM-41140-1RB#0-Range2:1000~3000MHz



Band66-1.4MHz-QPSK-131979-1RB#0-Range2:1000~20000MHz

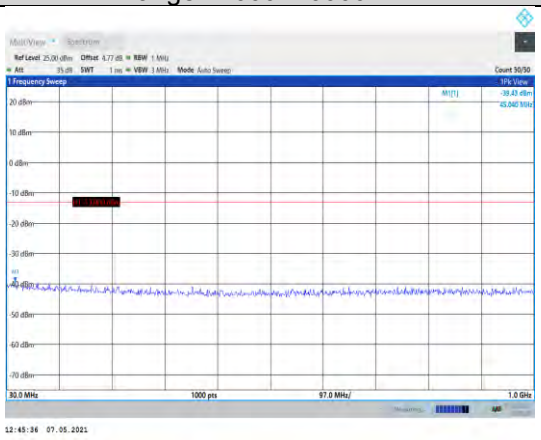


Band66-1.4MHz-QPSK-132322-1RB#0-Range1:30~1000MHz

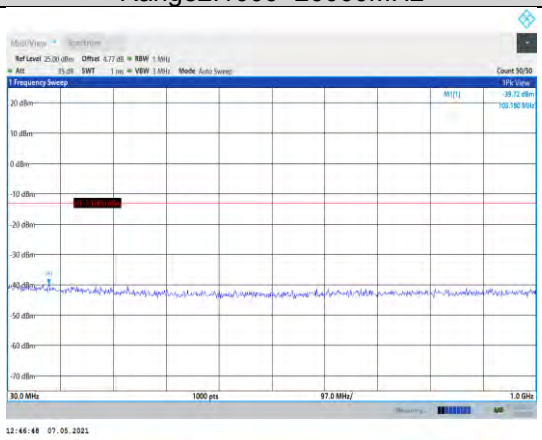


Band66-1.4MHz-QPSK-132665-1RB#0-Range2:1000~20000MHz

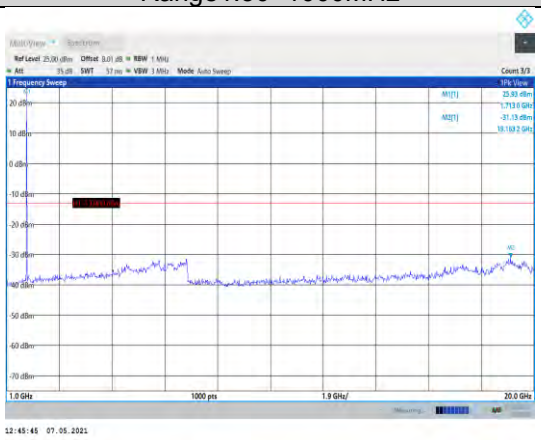
Band66-1.4MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



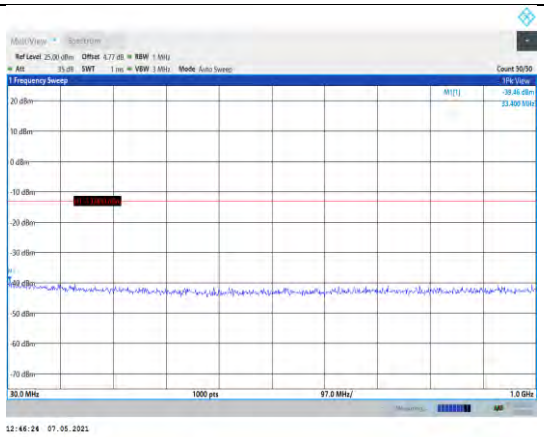
Band66-1.4MHz-16QAM-131979-1RB#0-Range1:30~1000MHz



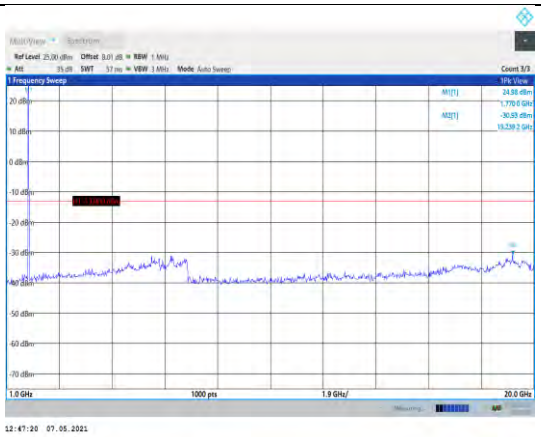
Band66-1.4MHz-QPSK-132665-1RB#0-Range1:30~1000MHz



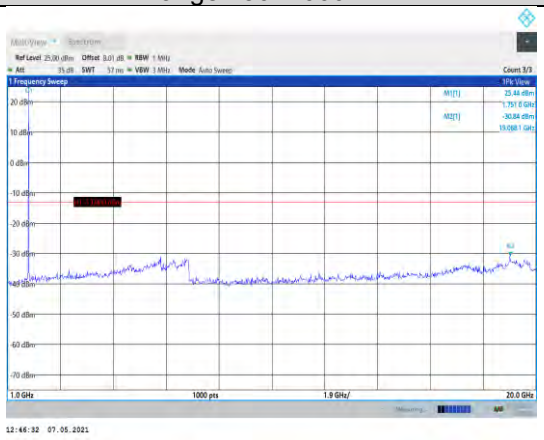
Band66-1.4MHz-16QAM-131979-1RB#0-Range2:1000~20000MHz



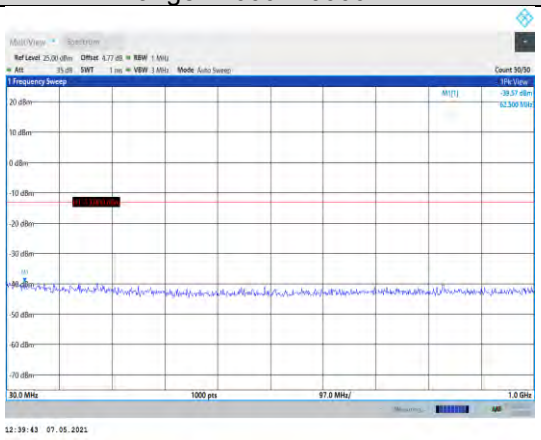
Band66-1.4MHz-16QAM-132322-1RB#0-Range1:30~1000MHz



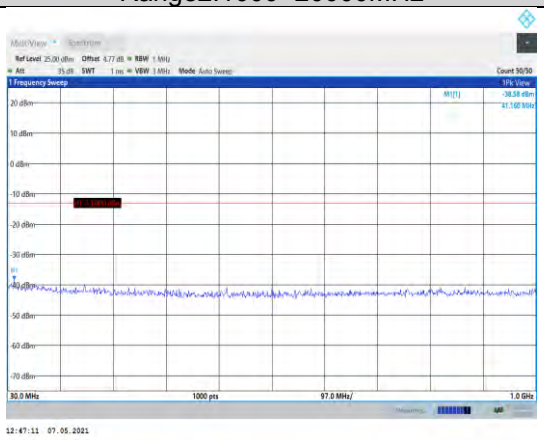
Band66-1.4MHz-16QAM-132665-1RB#0-Range2:1000~20000MHz



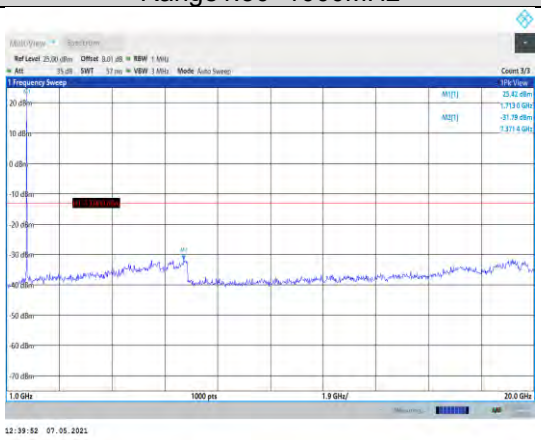
Band66-1.4MHz-16QAM-132322-1RB#0-Range2:1000~20000MHz



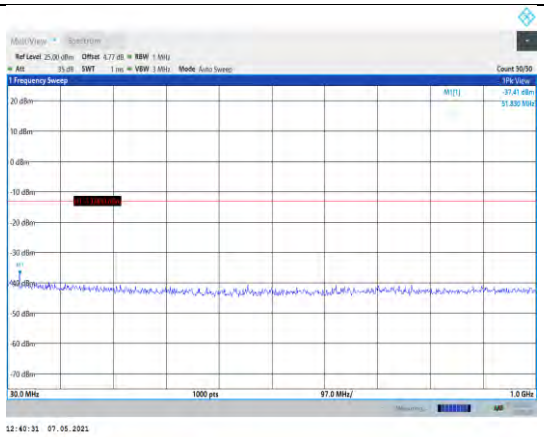
Band66-3MHz-QPSK-131987-1RB#0-Range1:30~1000MHz



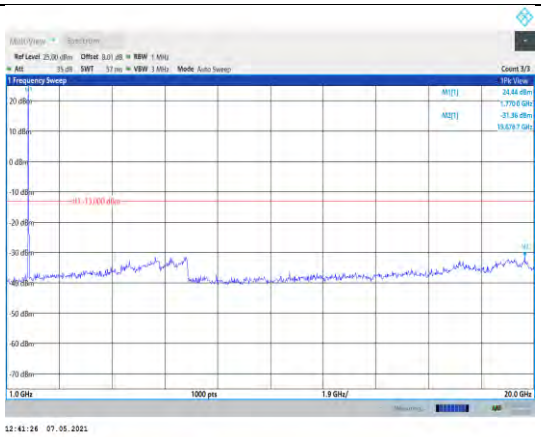
Band66-1.4MHz-16QAM-132665-1RB#0-Range1:30~1000MHz



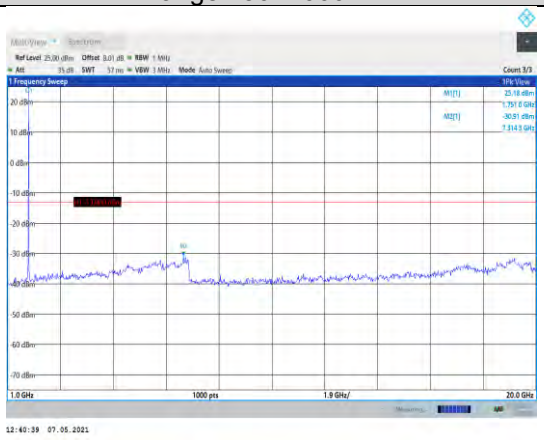
Band66-3MHz-QPSK-131987-1RB#0-Range2:1000~20000MHz



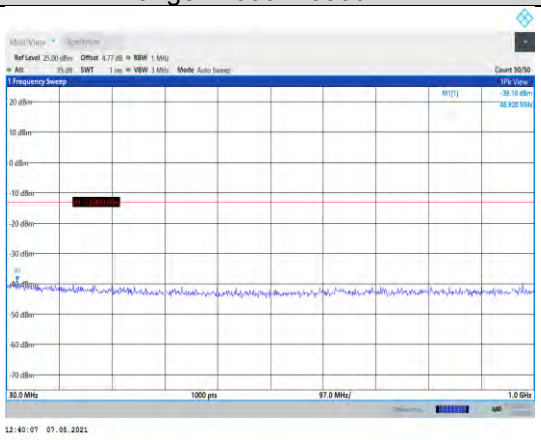
Band66-3MHz-QPSK-132322-1RB#0-Range1:30~1000MHz



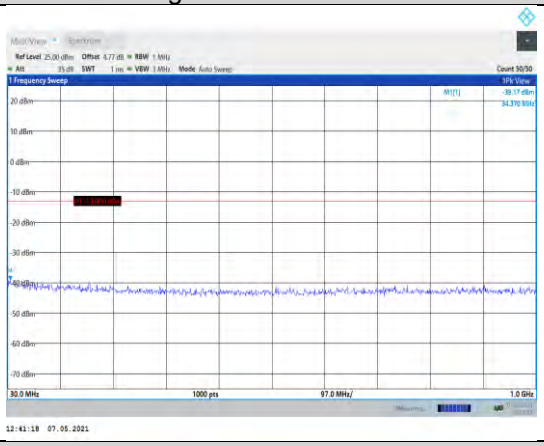
Band66-3MHz-QPSK-132657-1RB#0-Range2:1000~20000MHz



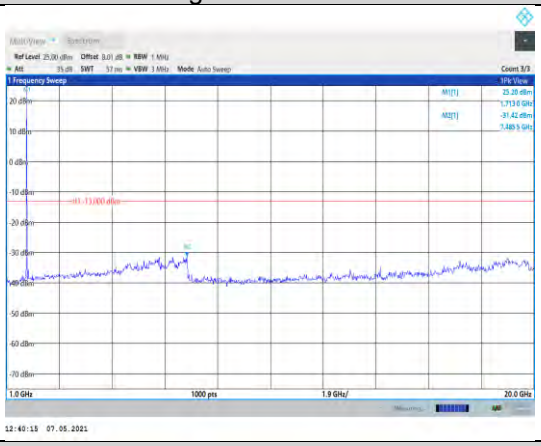
Band66-3MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



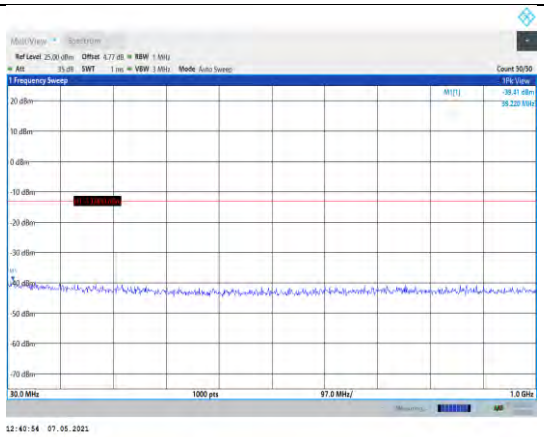
Band66-3MHz-16QAM-131987-1RB#0-Range1:30~1000MHz



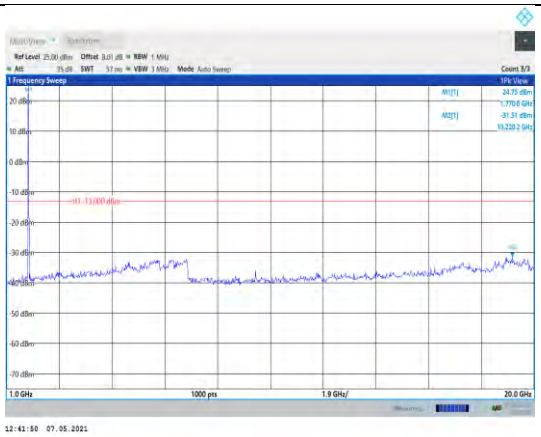
Band66-3MHz-QPSK-132657-1RB#0-Range1:30~1000MHz



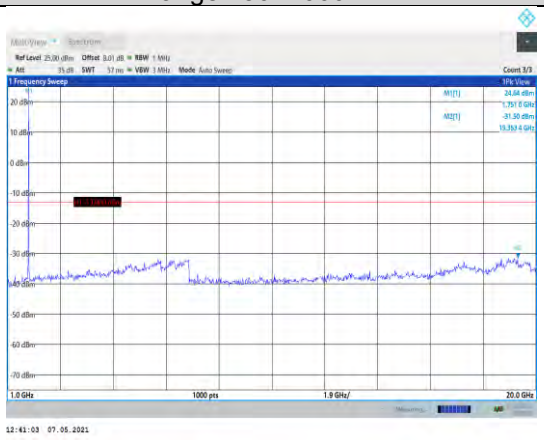
Band66-3MHz-16QAM-131987-1RB#0-Range2:1000~20000MHz



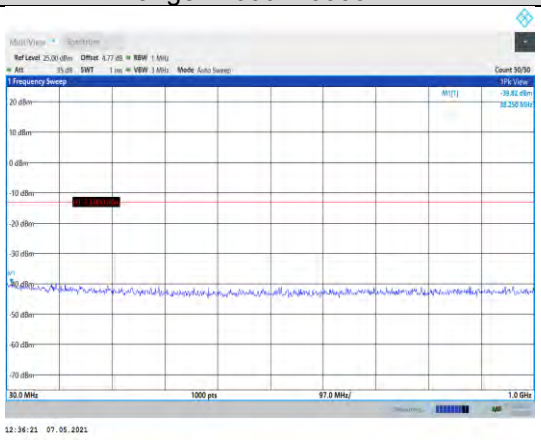
Band66-3MHz-16QAM-132322-1RB#0-Range1:30~1000MHz



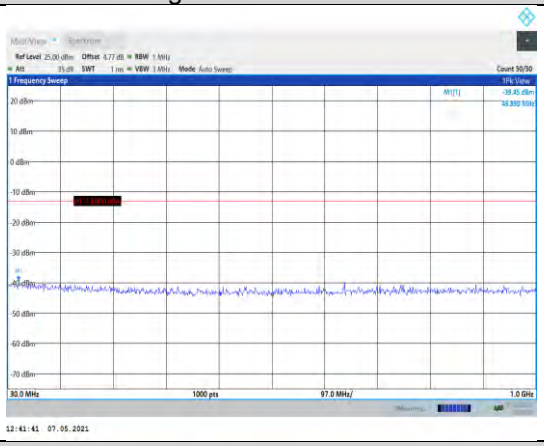
Band66-3MHz-16QAM-132657-1RB#0-Range2:1000~20000MHz



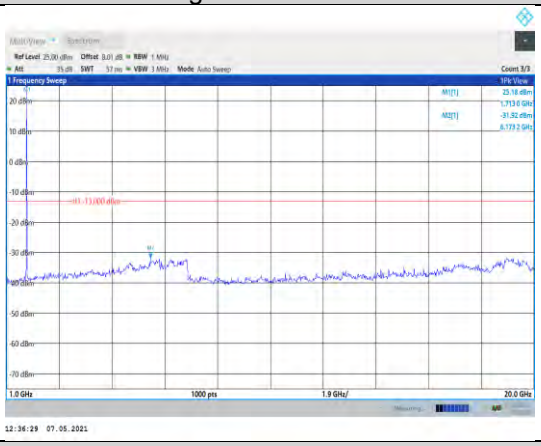
Band66-3MHz-16QAM-132322-1RB#0-Range2:1000~20000MHz



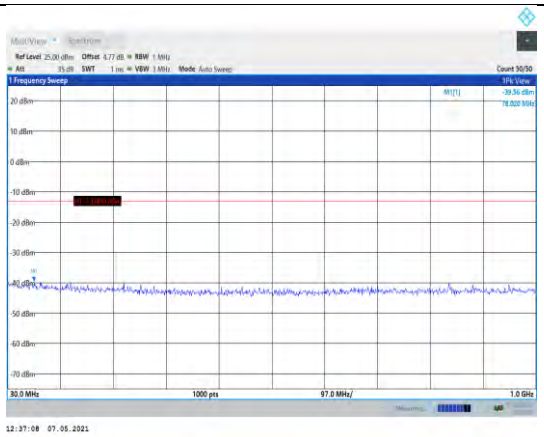
Band66-5MHz-QPSK-131997-1RB#0-Range1:30~1000MHz



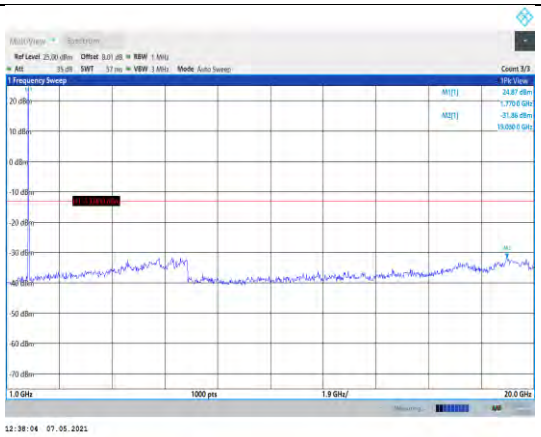
Band66-3MHz-16QAM-132657-1RB#0-Range1:30~1000MHz



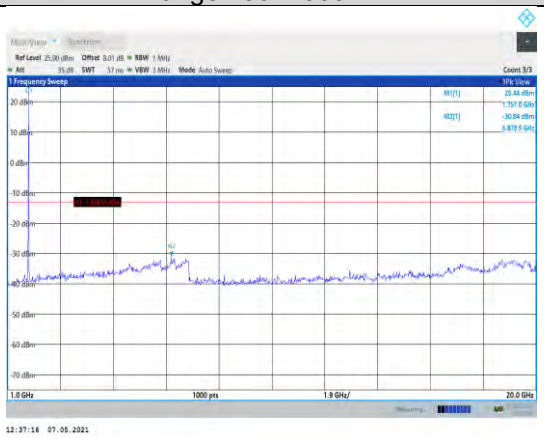
Band66-5MHz-QPSK-131997-1RB#0-Range2:1000~20000MHz



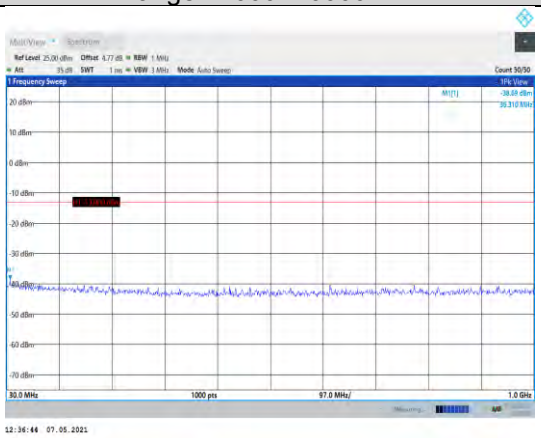
Band66-5MHz-QPSK-132322-1RB#0-Range1:30~1000MHz



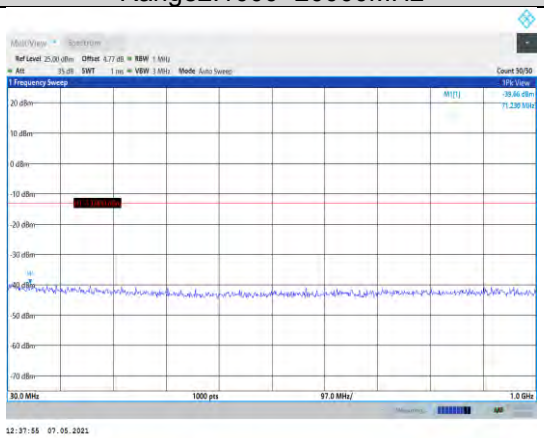
Band66-5MHz-QPSK-132647-1RB#0-Range2:1000~20000MHz



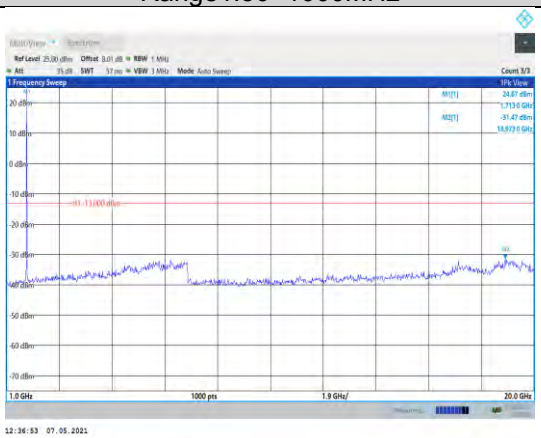
Band66-5MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



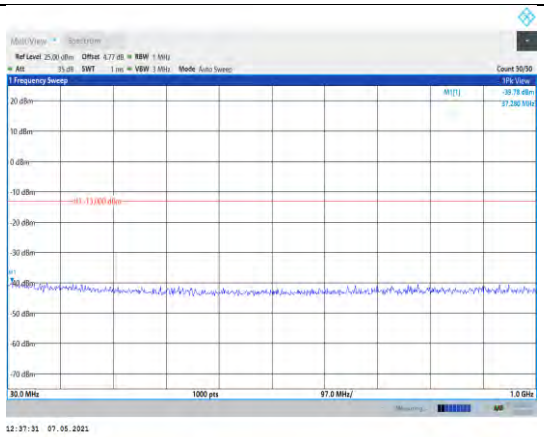
Band66-5MHz-16QAM-131997-1RB#0-Range1:30~1000MHz



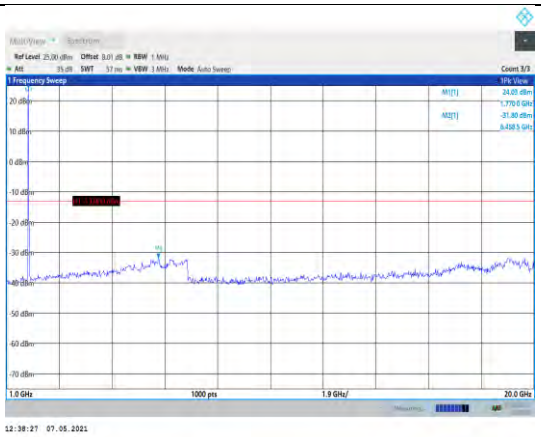
Band66-5MHz-QPSK-132647-1RB#0-Range1:30~1000MHz



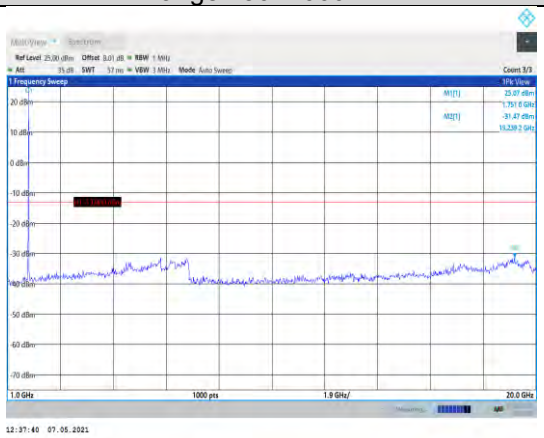
Band66-5MHz-16QAM-131997-1RB#0-Range2:1000~20000MHz



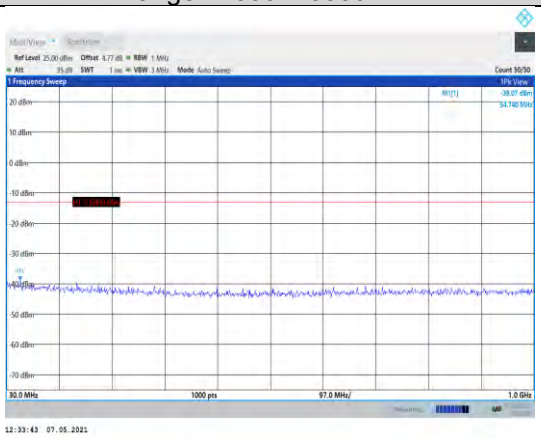
Band66-5MHz-16QAM-132322-1RB#0-Range1:30~1000MHz



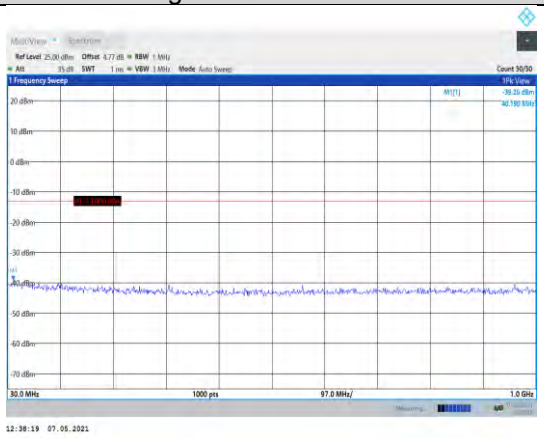
Band66-5MHz-16QAM-132647-1RB#0-Range2:1000~20000MHz



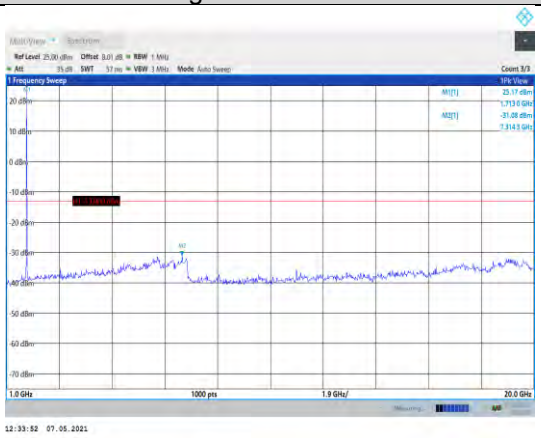
Band66-5MHz-16QAM-132322-1RB#0-Range2:1000~20000MHz



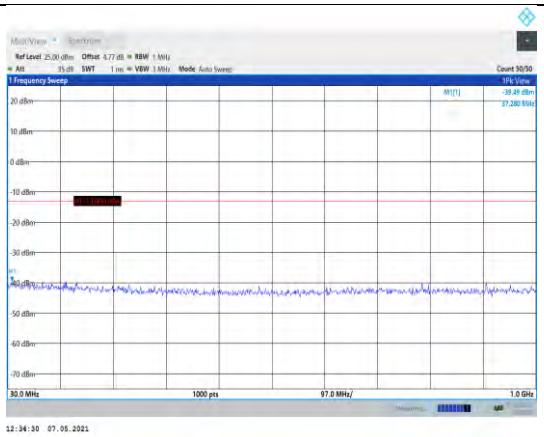
Band66-10MHz-QPSK-132022-1RB#0-Range1:30~1000MHz



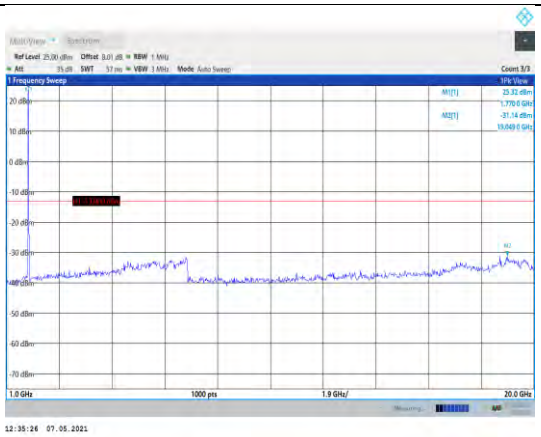
Band66-5MHz-16QAM-132647-1RB#0-Range1:30~1000MHz



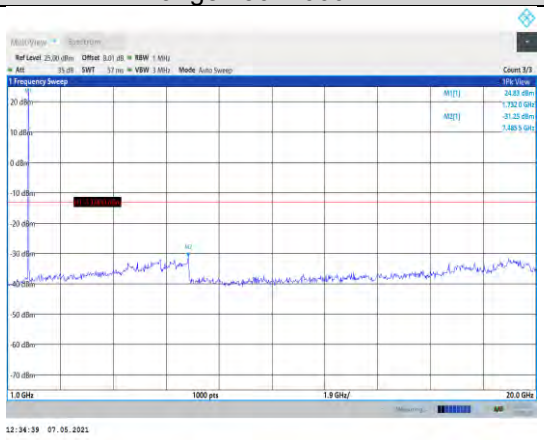
Band66-10MHz-QPSK-132022-1RB#0-Range2:1000~20000MHz



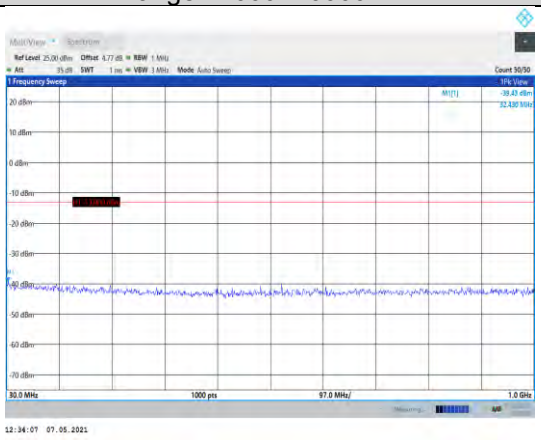
Band66-10MHz-QPSK-132322-1RB#0-Range1:30~1000MHz



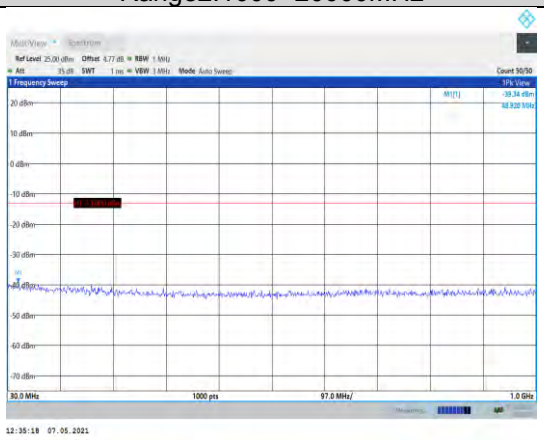
Band66-10MHz-QPSK-132622-1RB#0-Range2:1000~20000MHz



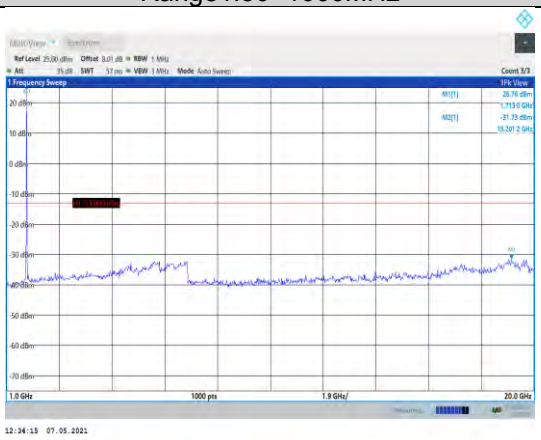
Band66-10MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



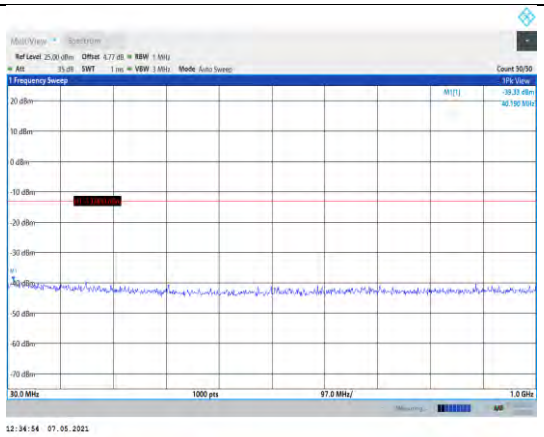
Band66-10MHz-16QAM-132022-1RB#0-Range1:30~1000MHz



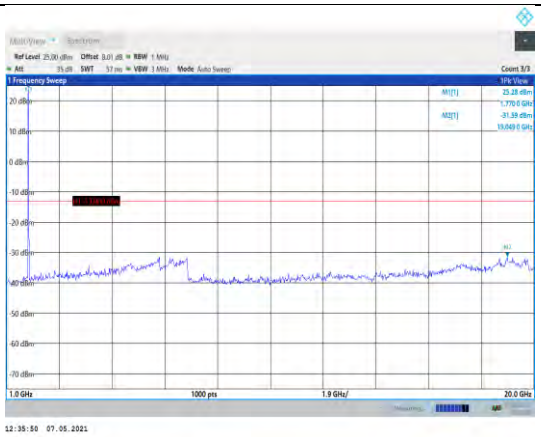
Band66-10MHz-QPSK-132622-1RB#0-Range1:30~1000MHz



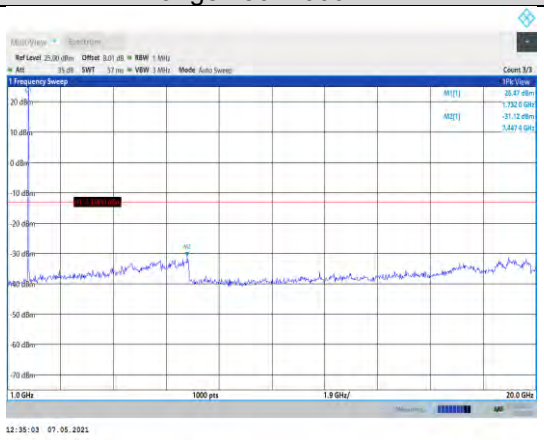
Band66-10MHz-16QAM-132022-1RB#0-Range2:1000~20000MHz



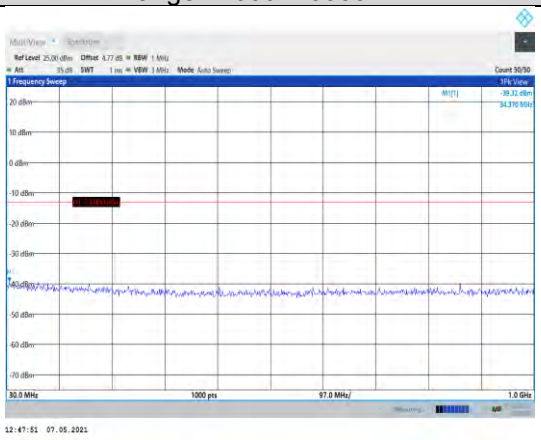
Band66-10MHz-16QAM-132322-1RB#0-Range1:30~1000MHz



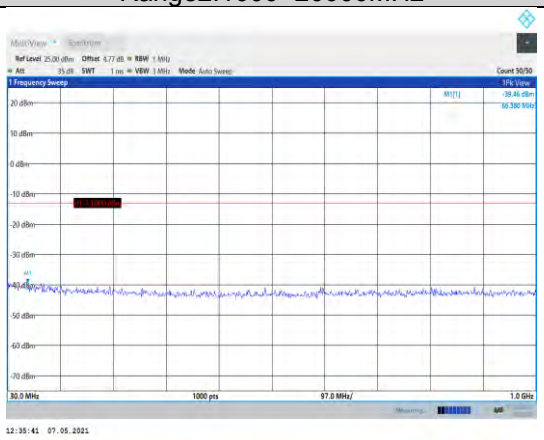
Band66-10MHz-16QAM-132622-1RB#0-Range2:1000~20000MHz



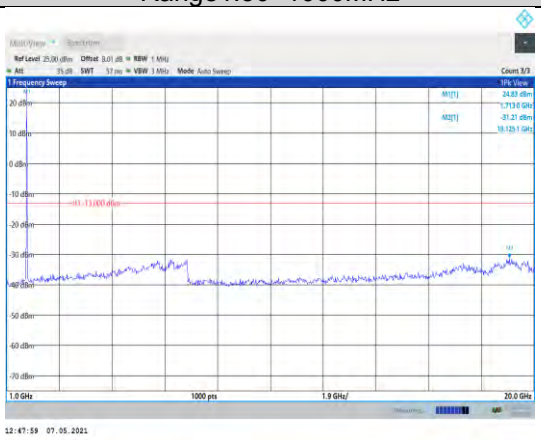
Band66-10MHz-16QAM-132322-1RB#0-Range2:1000~20000MHz



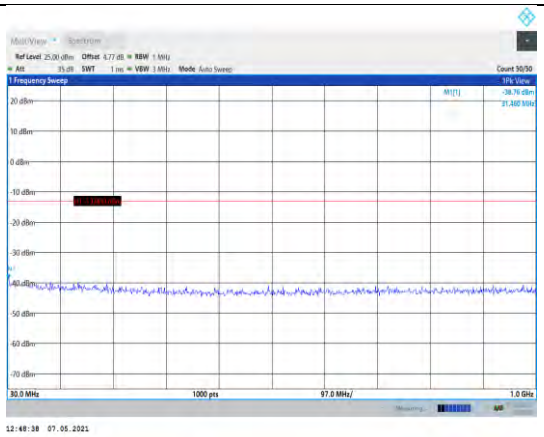
Band66-15MHz-QPSK-132047-1RB#0-Range1:30~1000MHz



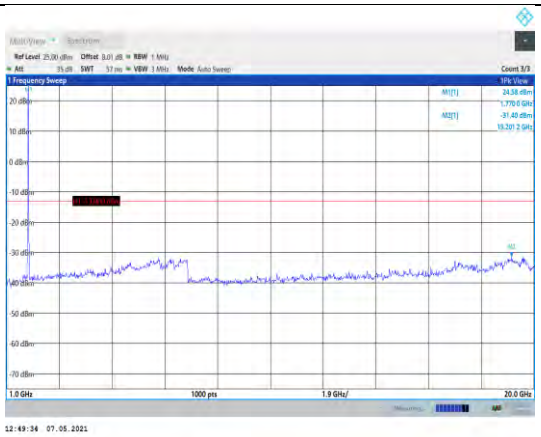
Band66-10MHz-16QAM-132622-1RB#0-Range1:30~1000MHz



Band66-15MHz-QPSK-132047-1RB#0-Range2:1000~20000MHz

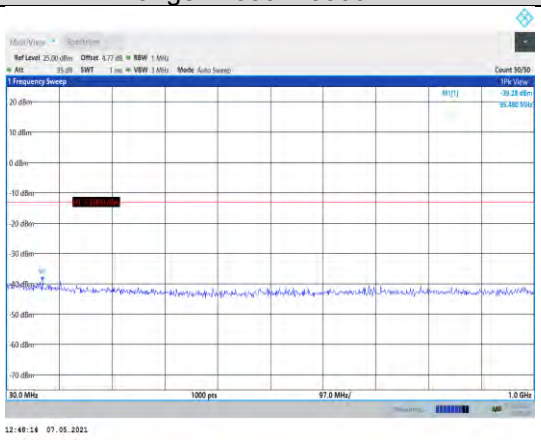


Band66-15MHz-QPSK-132322-1RB#0-Range1:30~1000MHz

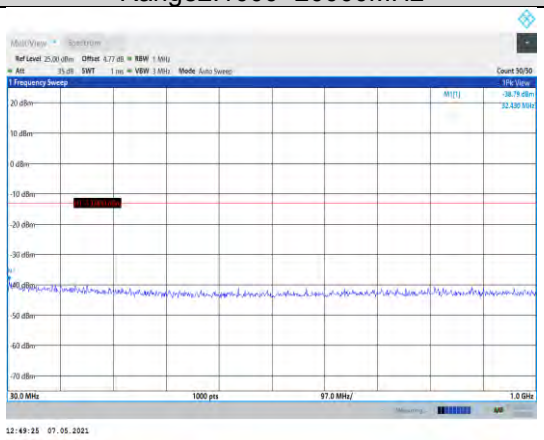


Band66-15MHz-QPSK-132597-1RB#0-Range2:1000~20000MHz

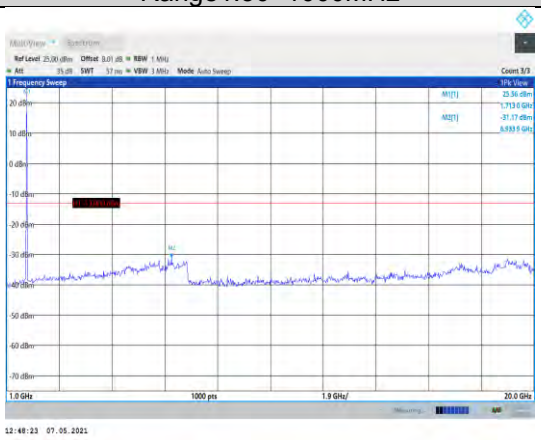
Band66-15MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



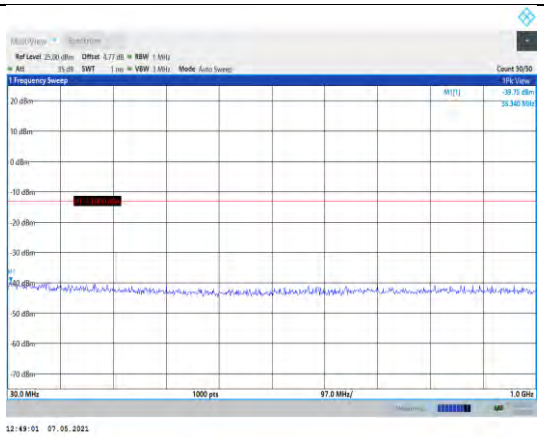
Band66-15MHz-16QAM-132047-1RB#0-Range1:30~1000MHz



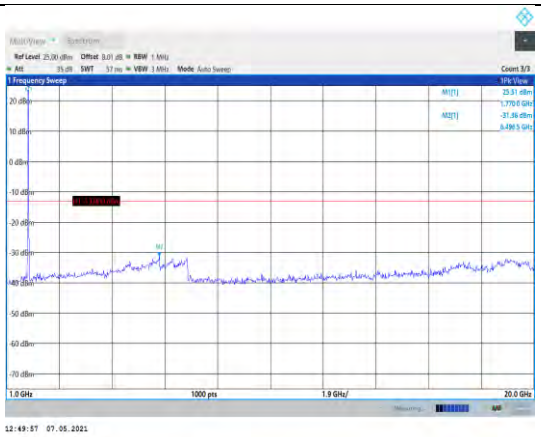
Band66-15MHz-QPSK-132597-1RB#0-Range1:30~1000MHz



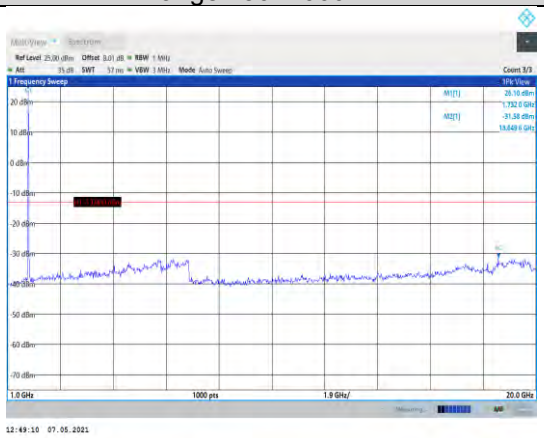
Band66-15MHz-16QAM-132047-1RB#0-Range2:1000~20000MHz



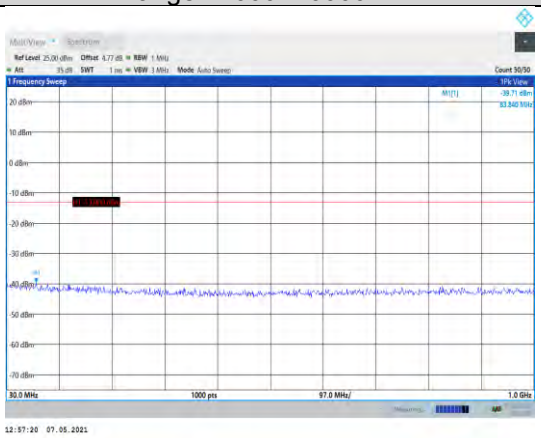
Band66-15MHz-16QAM-132322-1RB#0-Range1:30~1000MHz



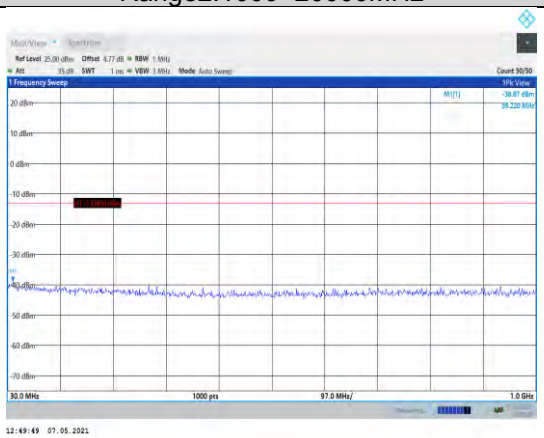
Band66-15MHz-16QAM-132597-1RB#0-Range2:1000~20000MHz



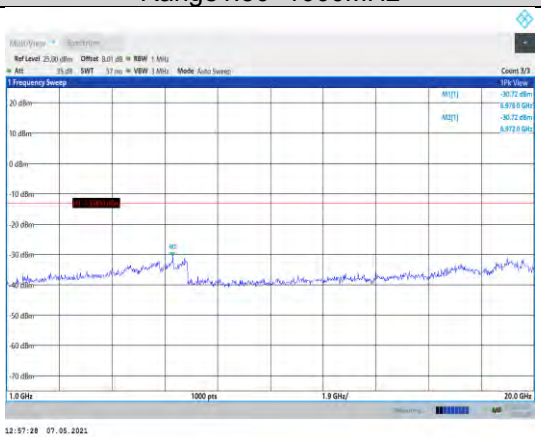
Band66-15MHz-16QAM-132322-1RB#0-Range2:1000~20000MHz



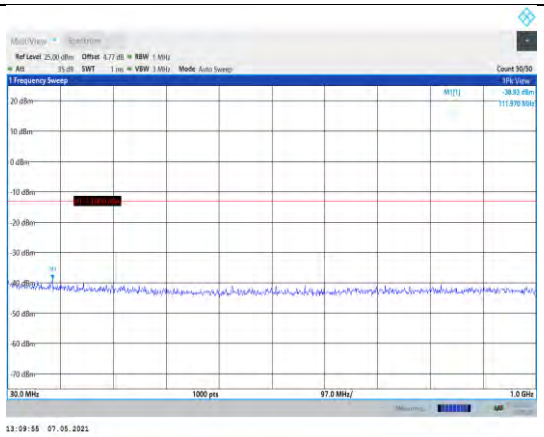
Band66-20MHz-QPSK-132072-1RB#0-Range1:30~1000MHz



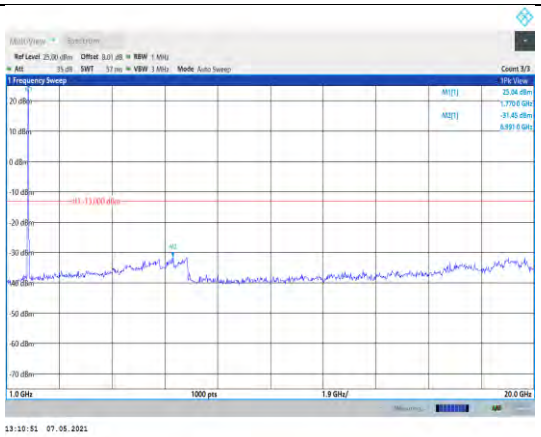
Band66-15MHz-16QAM-132597-1RB#0-Range1:30~1000MHz



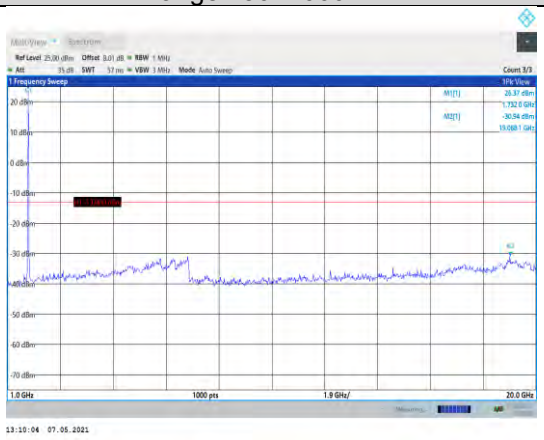
Band66-20MHz-QPSK-132072-1RB#0-Range2:1000~20000MHz



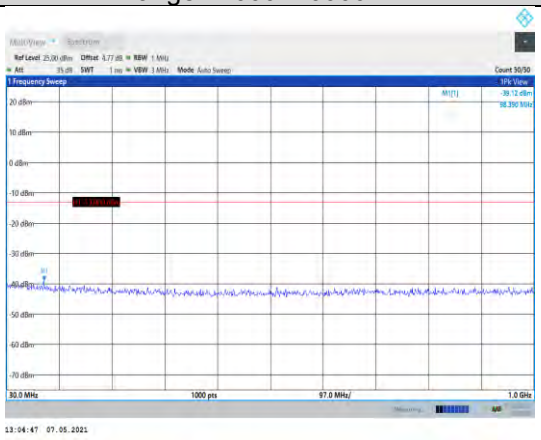
Band66-20MHz-QPSK-132322-1RB#0-Range1:30~1000MHz



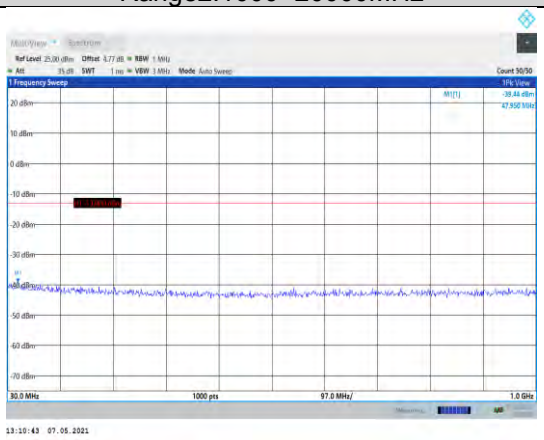
Band66-20MHz-QPSK-132572-1RB#0-Range2:1000~20000MHz



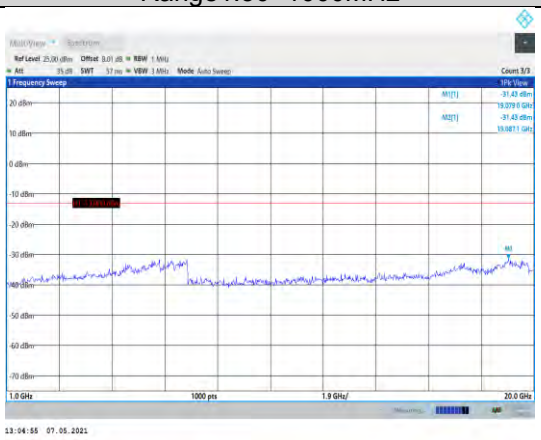
Band66-20MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



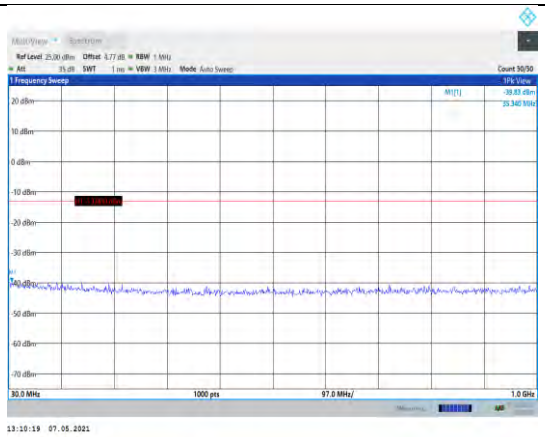
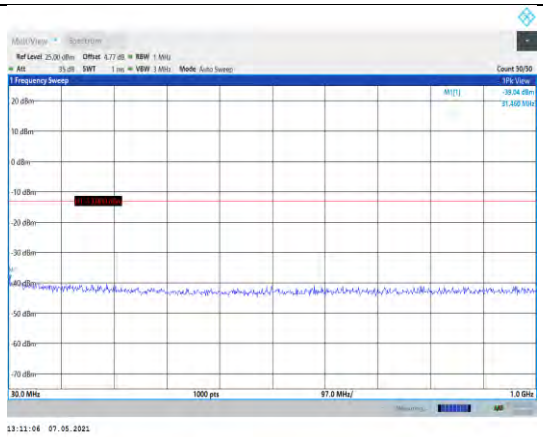
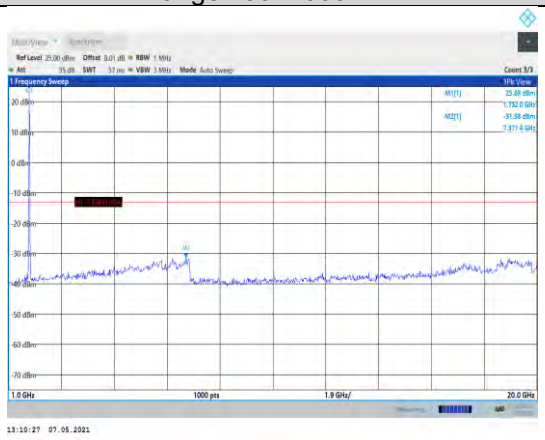
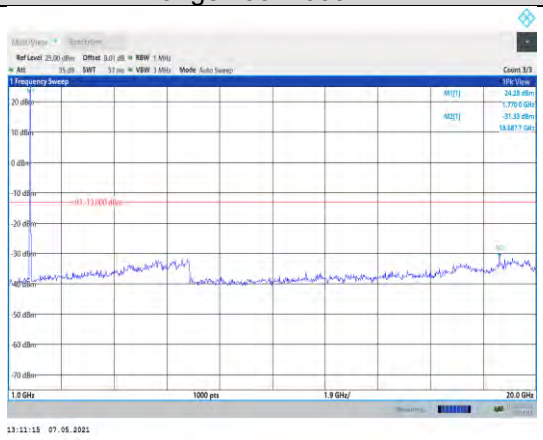
Band66-20MHz-16QAM-132072-1RB#0-Range1:30~1000MHz



Band66-20MHz-QPSK-132572-1RB#0-Range1:30~1000MHz



Band66-20MHz-16QAM-132072-1RB#0-Range2:1000~20000MHz

	
Band66-20MHz-16QAM-132322-1RB#0-Range1:30~1000MHz	Band66-20MHz-16QAM-132572-1RB#0-Range1:30~1000MHz
	
Band66-20MHz-16QAM-132322-1RB#0-Range2:1000~20000MHz	Band66-20MHz-16QAM-132572-1RB#0-Range2:1000~20000MHz

12. APPENDIX F: TEST RESULTS OF FREQUENCY STABILITY

Frequency Error vs. Voltage:

GSM:

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VL	NT	-0.09	-0.000109	±2.5	PASS
GSM850	128	VN	NT	-1.56	-0.001893	±2.5	PASS
GSM850	128	VH	NT	-2.63	-0.003191	±2.5	PASS
GSM850	190	VL	NT	7.72	0.009228	±2.5	PASS
GSM850	190	VN	NT	3.00	0.003586	±2.5	PASS
GSM850	190	VH	NT	1.98	0.002367	±2.5	PASS
GSM850	251	VL	NT	2.48	0.002922	±2.5	PASS
GSM850	251	VN	NT	-0.65	-0.000766	±2.5	PASS
GSM850	251	VH	NT	2.10	0.002474	±2.5	PASS
EGPRS850	128	VL	NT	5.29	0.006418	±2.5	PASS
EGPRS850	128	VN	NT	9.30	0.011284	±2.5	PASS
EGPRS850	128	VH	NT	9.50	0.011526	±2.5	PASS
EGPRS850	190	VL	NT	6.72	0.008033	±2.5	PASS
EGPRS850	190	VN	NT	7.49	0.008953	±2.5	PASS
EGPRS850	190	VH	NT	8.03	0.009598	±2.5	PASS
EGPRS850	251	VL	NT	5.49	0.006468	±2.5	PASS
EGPRS850	251	VN	NT	8.13	0.009578	±2.5	PASS
EGPRS850	251	VH	NT	4.37	0.005148	±2.5	PASS
GSM1900	512	VL	NT	-2.34	-0.001265	±2.5	PASS
GSM1900	512	VN	NT	-0.61	-0.000330	±2.5	PASS
GSM1900	512	VH	NT	1.04	0.000562	±2.5	PASS
GSM1900	661	VL	NT	-3.75	-0.001995	±2.5	PASS
GSM1900	661	VN	NT	5.41	0.002878	±2.5	PASS
GSM1900	661	VH	NT	0.14	0.000074	±2.5	PASS
GSM1900	810	VL	NT	-6.60	-0.003456	±2.5	PASS
GSM1900	810	VN	NT	0.28	0.000147	±2.5	PASS
GSM1900	810	VH	NT	2.30	0.001204	±2.5	PASS
EGPRS1900	512	VL	NT	-0.53	-0.000286	±2.5	PASS
EGPRS1900	512	VN	NT	3.10	0.001675	±2.5	PASS
EGPRS1900	512	VH	NT	3.37	0.001821	±2.5	PASS
EGPRS1900	661	VL	NT	3.14	0.001670	±2.5	PASS
EGPRS1900	661	VN	NT	-3.33	-0.001771	±2.5	PASS
EGPRS1900	661	VH	NT	0.84	0.000447	±2.5	PASS
EGPRS1900	810	VL	NT	-4.27	-0.002236	±2.5	PASS
EGPRS1900	810	VN	NT	-0.99	-0.000518	±2.5	PASS
EGPRS1900	810	VH	NT	1.97	0.001032	±2.5	PASS

WCDMA:

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	VL	NT	-3.10	-0.001674	±2.5	PASS
Band2	9262	VN	NT	3.08	0.001663	±2.5	PASS
Band2	9262	VH	NT	-5.31	-0.002867	±2.5	PASS
Band2	9400	VL	NT	-2.38	-0.001266	±2.5	PASS
Band2	9400	VN	NT	-2.85	-0.001516	±2.5	PASS
Band2	9400	VH	NT	4.60	0.002447	±2.5	PASS
Band2	9538	VL	NT	3.93	0.002060	±2.5	PASS
Band2	9538	VN	NT	0.19	0.000100	±2.5	PASS
Band2	9538	VH	NT	1.69	0.000886	±2.5	PASS
Band4	1312	VL	NT	-1.37	-0.000800	±2.5	PASS
Band4	1312	VN	NT	1.21	0.000707	±2.5	PASS
Band4	1312	VH	NT	3.72	0.002172	±2.5	PASS
Band4	1413	VL	NT	-2.83	-0.001633	±2.5	PASS
Band4	1413	VN	NT	-0.46	-0.000265	±2.5	PASS
Band4	1413	VH	NT	-6.73	-0.003884	±2.5	PASS
Band4	1513	VL	NT	4.01	0.002288	±2.5	PASS
Band4	1513	VN	NT	0.77	0.000439	±2.5	PASS
Band4	1513	VH	NT	5.53	0.003155	±2.5	PASS
Band5	4132	VL	NT	0.53	0.000641	±2.5	PASS
Band5	4132	VN	NT	-0.70	-0.000847	±2.5	PASS
Band5	4132	VH	NT	1.54	0.001864	±2.5	PASS
Band5	4182	VL	NT	-0.12	-0.000143	±2.5	PASS
Band5	4182	VN	NT	-0.55	-0.000658	±2.5	PASS
Band5	4182	VH	NT	-0.62	-0.000741	±2.5	PASS
Band5	4233	VL	NT	-0.40	-0.000472	±2.5	PASS
Band5	4233	VN	NT	-0.17	-0.000201	±2.5	PASS
Band5	4233	VH	NT	0.61	0.000721	±2.5	PASS

LTE:

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	1.4MHz	QPSK	18900	6RB#0	VL	NT	0.005324	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	VN	NT	0.003654	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	VH	NT	0.003293	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	VL	NT	-0.000862	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	VN	NT	-0.004032	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	VH	NT	0.006037	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	VL	NT	-0.015441	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	VN	NT	-0.007516	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	VH	NT	0.006170	±2.5	PASS
Band2	3MHz	16QAM	18900	15RB#0	VL	NT	-0.027117	±2.5	PASS
Band2	3MHz	16QAM	18900	15RB#0	VN	NT	-0.020968	±2.5	PASS
Band2	3MHz	16QAM	18900	15RB#0	VH	NT	-0.004394	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	VL	NT	-0.019372	±2.5	PASS

Band2	5MHz	QPSK	18900	25RB#0	VN	NT	-0.008697	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	VH	NT	-0.011388	±2.5	PASS
Band2	5MHz	16QAM	18900	25RB#0	VL	NT	0.004468	±2.5	PASS
Band2	5MHz	16QAM	18900	25RB#0	VN	NT	0.008495	±2.5	PASS
Band2	5MHz	16QAM	18900	25RB#0	VH	NT	0.002851	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	VL	NT	-0.015282	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	VN	NT	-0.018548	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	VH	NT	-0.020596	±2.5	PASS
Band2	10MHz	16QAM	18900	50RB#0	VL	NT	-0.022170	±2.5	PASS
Band2	10MHz	16QAM	18900	50RB#0	VN	NT	-0.018277	±2.5	PASS
Band2	10MHz	16QAM	18900	50RB#0	VH	NT	-0.006819	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	LV	NT	0.009426	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	NT	-0.005468	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	HV	NT	0.024878	±2.5	PASS
Band2	15MHz	16QAM	18900	75RB#0	LV	NT	-0.001867	±2.5	PASS
Band2	15MHz	16QAM	18900	75RB#0	NV	NT	-0.023447	±2.5	PASS
Band2	15MHz	16QAM	18900	75RB#0	HV	NT	-0.009782	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-0.029149	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-0.017324	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-0.022468	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-0.022851	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-0.019309	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-0.007830	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	-0.002182	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VN	NT	-0.020283	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	-0.010655	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VL	NT	-0.006424	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VN	NT	-0.018655	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VH	NT	-0.013408	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VL	NT	-0.007284	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VN	NT	-0.023278	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VH	NT	-0.017033	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VL	NT	-0.005599	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VN	NT	-0.009091	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VH	NT	-0.008300	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VL	NT	-0.008346	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VN	NT	-0.012410	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VH	NT	-0.016583	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VL	NT	-0.013605	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VN	NT	-0.013622	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VH	NT	-0.015186	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VL	NT	0.008970	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VN	NT	-0.018609	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VH	NT	-0.011417	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VL	NT	-0.012081	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VN	NT	-0.007290	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VH	NT	-0.018268	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VL	NT	-0.007198	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VN	NT	-0.026061	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VH	NT	-0.016918	±2.5	PASS

Band4	15MHz	16QAM	20175	75RB#0	VL	NT	-0.003163	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VN	NT	0.006771	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VH	NT	-0.006211	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-0.021968	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-0.020571	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-0.010701	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-0.009033	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	0.008398	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-0.020814	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VL	NT	-0.011106	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VN	NT	-0.017932	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VH	NT	-0.010998	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VL	NT	-0.006599	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VN	NT	-0.011345	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VH	NT	-0.005439	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VL	NT	-0.006659	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VN	NT	-0.007472	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VH	NT	-0.002582	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VL	NT	0.031369	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VN	NT	0.024710	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VH	NT	0.033819	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VL	NT	-0.014226	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VN	NT	-0.014357	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VH	NT	-0.013485	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VL	NT	-0.021961	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VN	NT	-0.028380	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VH	NT	-0.020562	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-0.009659	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-0.055075	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-0.004782	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	-0.048787	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	-0.025212	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	-0.013282	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VL	NT	-0.007594	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VN	NT	-0.010308	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VH	NT	-0.003613	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VL	NT	-0.011385	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VN	NT	-0.007247	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VH	NT	-0.018963	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VL	NT	-0.007164	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VN	NT	-0.016312	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VH	NT	-0.015093	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VL	NT	-0.012560	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VN	NT	-0.019858	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VH	NT	-0.018252	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VL	NT	-0.016970	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VN	NT	-0.008351	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VH	NT	0.004876	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VL	NT	-0.007905	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VN	NT	-0.009464	±2.5	PASS

Band7	15MHz	16QAM	21100	75RB#0	VH	NT	-0.012249	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-0.015321	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-0.012020	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-0.007633	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-0.010761	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-0.013073	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	0.002868	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VL	NT	-0.012042	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VN	NT	-0.015039	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VH	NT	0.013442	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VL	NT	0.004367	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VN	NT	-0.003958	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VH	NT	-0.038332	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VL	NT	-0.010106	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VN	NT	0.005343	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VH	NT	0.028212	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VL	NT	-0.027859	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VN	NT	0.024792	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VH	NT	-0.037385	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VL	NT	0.024707	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VN	NT	-0.004325	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VH	NT	0.015251	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VL	NT	-0.042360	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VN	NT	-0.037654	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VH	NT	0.002827	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	0.004650	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-0.050304	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	0.012325	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-0.007180	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-0.005739	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-0.039661	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	-0.053873	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	0.006451	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	0.003859	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VL	NT	0.024887	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VN	NT	0.014746	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VH	NT	0.020479	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-0.007408	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-0.005944	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-0.003915	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	0.015380	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	-0.057141	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	-0.031789	±2.5	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	VL	NT	-0.025140	±2.5	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	VN	NT	-0.024200	±2.5	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	VH	NT	-0.027888	±2.5	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	VL	NT	-0.023101	±2.5	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	VN	NT	-0.025665	±2.5	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	VH	NT	-0.019121	±2.5	PASS
Band26	3MHz	QPSK	26740	15RB#0	VL	NT	-0.023626	±2.5	PASS

Band26	3MHz	QPSK	26740	15RB#0	VN	NT	-0.021319	±2.5	PASS
Band26	3MHz	QPSK	26740	15RB#0	VH	NT	-0.026899	±2.5	PASS
Band26	3MHz	16QAM	26740	15RB#0	VL	NT	-0.051990	±2.5	PASS
Band26	3MHz	16QAM	26740	15RB#0	VN	NT	-0.053394	±2.5	PASS
Band26	3MHz	16QAM	26740	15RB#0	VH	NT	-0.052381	±2.5	PASS
Band26	5MHz	QPSK	26740	25RB#0	VL	NT	0.008926	±2.5	PASS
Band26	5MHz	QPSK	26740	25RB#0	VN	NT	0.006471	±2.5	PASS
Band26	5MHz	QPSK	26740	25RB#0	VH	NT	0.006813	±2.5	PASS
Band26	5MHz	16QAM	26740	25RB#0	VL	NT	-0.036923	±2.5	PASS
Band26	5MHz	16QAM	26740	25RB#0	VN	NT	-0.045910	±2.5	PASS
Band26	5MHz	16QAM	26740	25RB#0	VH	NT	-0.032405	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	VL	NT	-0.023895	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	VN	NT	-0.008107	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	VH	NT	-0.003443	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	VL	NT	-0.015885	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	VN	NT	-0.022637	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	VH	NT	-0.012234	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VL	NT	0.007129	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VN	NT	-0.004324	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VH	NT	0.006882	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	VL	NT	0.012293	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	VN	NT	0.016909	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	VH	NT	0.006578	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	VL	NT	-0.005850	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	VN	NT	-0.004763	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	VH	NT	-0.001730	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	VL	NT	0.008940	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	VN	NT	0.005692	±2.5	PASS
Band38	10MHz	16QAM	38000	50RB#0	VH	NT	0.016844	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	VL	NT	-0.010721	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	VN	NT	-0.022308	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	VH	NT	-0.019711	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	VL	NT	-0.018651	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	VN	NT	0.002297	±2.5	PASS
Band38	15MHz	16QAM	38000	75RB#0	VH	NT	-0.013985	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	0.009067	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	0.005645	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	0.006582	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	-0.014489	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	0.002008	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	-0.015726	±2.5	PASS
Band41	5MHz	QPSK	40590	25RB#0	VL	NT	0.006405	±2.5	PASS
Band41	5MHz	QPSK	40590	25RB#0	VN	NT	0.004544	±2.5	PASS
Band41	5MHz	QPSK	40590	25RB#0	VH	NT	0.015988	±2.5	PASS
Band41	5MHz	16QAM	40590	25RB#0	VL	NT	0.009328	±2.5	PASS
Band41	5MHz	16QAM	40590	25RB#0	VN	NT	0.019456	±2.5	PASS
Band41	5MHz	16QAM	40590	25RB#0	VH	NT	0.016992	±2.5	PASS
Band41	10MHz	QPSK	40590	50RB#0	VL	NT	-0.010332	±2.5	PASS
Band41	10MHz	QPSK	40590	50RB#0	VN	NT	-0.014560	±2.5	PASS
Band41	10MHz	QPSK	40590	50RB#0	VH	NT	0.005116	±2.5	PASS

Band41	10MHz	16QAM	40590	50RB#0	VL	NT	0.019761	±2.5	PASS
Band41	10MHz	16QAM	40590	50RB#0	VN	NT	0.013606	±2.5	PASS
Band41	10MHz	16QAM	40590	50RB#0	VH	NT	0.010390	±2.5	PASS
Band41	15MHz	QPSK	40590	75RB#0	VL	NT	0.019452	±2.5	PASS
Band41	15MHz	QPSK	40590	75RB#0	VN	NT	0.011653	±2.5	PASS
Band41	15MHz	QPSK	40590	75RB#0	VH	NT	-0.007039	±2.5	PASS
Band41	15MHz	16QAM	40590	75RB#0	VL	NT	0.018649	±2.5	PASS
Band41	15MHz	16QAM	40590	75RB#0	VN	NT	0.006950	±2.5	PASS
Band41	15MHz	16QAM	40590	75RB#0	VH	NT	0.021266	±2.5	PASS
Band41	20MHz	QPSK	40590	100RB#0	VL	NT	0.019629	±2.5	PASS
Band41	20MHz	QPSK	40590	100RB#0	VN	NT	0.012363	±2.5	PASS
Band41	20MHz	QPSK	40590	100RB#0	VH	NT	0.011873	±2.5	PASS
Band41	20MHz	16QAM	40590	100RB#0	VL	NT	0.012842	±2.5	PASS
Band41	20MHz	16QAM	40590	100RB#0	VN	NT	-0.015417	±2.5	PASS
Band41	20MHz	16QAM	40590	100RB#0	VH	NT	0.014857	±2.5	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	VL	NT	-0.028115	±2.5	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	VN	NT	-0.015421	±2.5	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	VH	NT	-0.014080	±2.5	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	VL	NT	-0.005903	±2.5	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	VN	NT	-0.019777	±2.5	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	VH	NT	-0.012527	±2.5	PASS
Band66	3MHz	QPSK	132322	15RB#0	VL	NT	-0.022201	±2.5	PASS
Band66	3MHz	QPSK	132322	15RB#0	VN	NT	-0.013668	±2.5	PASS
Band66	3MHz	QPSK	132322	15RB#0	VH	NT	-0.002974	±2.5	PASS
Band66	3MHz	16QAM	132322	15RB#0	VL	NT	0.009393	±2.5	PASS
Band66	3MHz	16QAM	132322	15RB#0	VN	NT	-0.018338	±2.5	PASS
Band66	3MHz	16QAM	132322	15RB#0	VH	NT	-0.001616	±2.5	PASS
Band66	5MHz	QPSK	132322	25RB#0	VL	NT	-0.020865	±2.5	PASS
Band66	5MHz	QPSK	132322	25RB#0	VN	NT	-0.016842	±2.5	PASS
Band66	5MHz	QPSK	132322	25RB#0	VH	NT	-0.007828	±2.5	PASS
Band66	5MHz	16QAM	132322	25RB#0	VL	NT	-0.012722	±2.5	PASS
Band66	5MHz	16QAM	132322	25RB#0	VN	NT	-0.022436	±2.5	PASS
Band66	5MHz	16QAM	132322	25RB#0	VH	NT	-0.014905	±2.5	PASS
Band66	10MHz	QPSK	132322	50RB#0	VL	NT	-0.004756	±2.5	PASS
Band66	10MHz	QPSK	132322	50RB#0	VN	NT	-0.012676	±2.5	PASS
Band66	10MHz	QPSK	132322	50RB#0	VH	NT	-0.015696	±2.5	PASS
Band66	10MHz	16QAM	132322	50RB#0	VL	NT	-0.020298	±2.5	PASS
Band66	10MHz	16QAM	132322	50RB#0	VN	NT	-0.014676	±2.5	PASS
Band66	10MHz	16QAM	132322	50RB#0	VH	NT	-0.002080	±2.5	PASS
Band66	15MHz	QPSK	132322	75RB#0	VL	NT	-0.016877	±2.5	PASS
Band66	15MHz	QPSK	132322	75RB#0	VN	NT	-0.014029	±2.5	PASS
Band66	15MHz	QPSK	132322	75RB#0	VH	NT	-0.017123	±2.5	PASS
Band66	15MHz	16QAM	132322	75RB#0	VL	NT	0.011398	±2.5	PASS
Band66	15MHz	16QAM	132322	75RB#0	VN	NT	-0.023393	±2.5	PASS
Band66	15MHz	16QAM	132322	75RB#0	VH	NT	0.004447	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-0.025238	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-0.027456	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-0.025152	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VL	NT	-0.005009	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VN	NT	0.002888	±2.5	PASS

Band66	20MHz	16QAM	132322	100RB#0	VH	NT	-0.016155	±2.5	PASS

Frequency Error vs. Temperature:

GSM:

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	-0.68	-0.000825	±2.5	PASS
GSM850	128	NV	-20	-0.45	-0.000546	±2.5	PASS
GSM850	128	NV	-10	0.80	0.000971	±2.5	PASS
GSM850	128	NV	0	-0.86	-0.001043	±2.5	PASS
GSM850	128	NV	10	-1.87	-0.002269	±2.5	PASS
GSM850	128	NV	20	-0.15	-0.000182	±2.5	PASS
GSM850	128	NV	30	1.10	0.001335	±2.5	PASS
GSM850	128	NV	40	5.00	0.006066	±2.5	PASS
GSM850	128	NV	50	0.44	0.000534	±2.5	PASS
GSM850	190	NV	-30	0.68	0.000813	±2.5	PASS
GSM850	190	NV	-20	5.76	0.006885	±2.5	PASS
GSM850	190	NV	-10	2.30	0.002749	±2.5	PASS
GSM850	190	NV	0	3.34	0.003992	±2.5	PASS
GSM850	190	NV	10	-0.47	-0.000562	±2.5	PASS
GSM850	190	NV	20	-0.19	-0.000227	±2.5	PASS
GSM850	190	NV	30	1.08	0.001291	±2.5	PASS
GSM850	190	NV	40	6.77	0.008092	±2.5	PASS
GSM850	190	NV	50	5.91	0.007064	±2.5	PASS
GSM850	251	NV	-30	1.56	0.001838	±2.5	PASS
GSM850	251	NV	-20	2.11	0.002486	±2.5	PASS
GSM850	251	NV	-10	2.85	0.003358	±2.5	PASS
GSM850	251	NV	0	-3.16	-0.003723	±2.5	PASS
GSM850	251	NV	10	0.91	0.001072	±2.5	PASS
GSM850	251	NV	20	-1.04	-0.001225	±2.5	PASS
GSM850	251	NV	30	3.89	0.004583	±2.5	PASS
GSM850	251	NV	40	-0.65	-0.000766	±2.5	PASS
GSM850	251	NV	50	1.78	0.002097	±2.5	PASS
EGPRS850	128	NV	-30	3.99	0.004841	±2.5	PASS
EGPRS850	128	NV	-20	5.59	0.006782	±2.5	PASS
EGPRS850	128	NV	-10	6.37	0.007729	±2.5	PASS
EGPRS850	128	NV	0	8.17	0.009913	±2.5	PASS
EGPRS850	128	NV	10	6.06	0.007353	±2.5	PASS
EGPRS850	128	NV	20	12.74	0.015457	±2.5	PASS
EGPRS850	128	NV	30	10.45	0.012679	±2.5	PASS
EGPRS850	128	NV	40	10.00	0.012133	±2.5	PASS
EGPRS850	128	NV	50	8.38	0.010167	±2.5	PASS
EGPRS850	190	NV	-30	11.49	0.013734	±2.5	PASS
EGPRS850	190	NV	-20	13.00	0.015539	±2.5	PASS
EGPRS850	190	NV	-10	13.82	0.016519	±2.5	PASS
EGPRS850	190	NV	0	12.47	0.014906	±2.5	PASS
EGPRS850	190	NV	10	11.07	0.013232	±2.5	PASS

EGPRS850	190	NV	20	8.82	0.010543	±2.5	PASS
EGPRS850	190	NV	30	11.71	0.013997	±2.5	PASS
EGPRS850	190	NV	40	8.85	0.010579	±2.5	PASS
EGPRS850	190	NV	50	8.65	0.010339	±2.5	PASS
EGPRS850	251	NV	-30	7.93	0.009343	±2.5	PASS
EGPRS850	251	NV	-20	5.27	0.006209	±2.5	PASS
EGPRS850	251	NV	-10	5.03	0.005926	±2.5	PASS
EGPRS850	251	NV	0	4.90	0.005773	±2.5	PASS
EGPRS850	251	NV	10	5.41	0.006374	±2.5	PASS
EGPRS850	251	NV	20	6.83	0.008047	±2.5	PASS
EGPRS850	251	NV	30	3.47	0.004088	±2.5	PASS
EGPRS850	251	NV	40	6.74	0.007941	±2.5	PASS
EGPRS850	251	NV	50	9.07	0.010686	±2.5	PASS
GSM1900	512	NV	-30	-2.10	-0.001135	±2.5	PASS
GSM1900	512	NV	-20	0.44	0.000238	±2.5	PASS
GSM1900	512	NV	-10	3.07	0.001659	±2.5	PASS
GSM1900	512	NV	0	-0.89	-0.000481	±2.5	PASS
GSM1900	512	NV	10	6.62	0.003578	±2.5	PASS
GSM1900	512	NV	20	1.42	0.000767	±2.5	PASS
GSM1900	512	NV	30	2.25	0.001216	±2.5	PASS
GSM1900	512	NV	40	3.11	0.001681	±2.5	PASS
GSM1900	512	NV	50	3.49	0.001886	±2.5	PASS
GSM1900	661	NV	-30	-0.93	-0.000495	±2.5	PASS
GSM1900	661	NV	-20	1.21	0.000644	±2.5	PASS
GSM1900	661	NV	-10	-0.36	-0.000191	±2.5	PASS
GSM1900	661	NV	0	1.18	0.000628	±2.5	PASS
GSM1900	661	NV	10	2.03	0.001080	±2.5	PASS
GSM1900	661	NV	20	-1.95	-0.001037	±2.5	PASS
GSM1900	661	NV	30	4.35	0.002314	±2.5	PASS
GSM1900	661	NV	40	-5.72	-0.003043	±2.5	PASS
GSM1900	661	NV	50	2.58	0.001372	±2.5	PASS
GSM1900	810	NV	-30	1.95	0.001021	±2.5	PASS
GSM1900	810	NV	-20	0.52	0.000272	±2.5	PASS
GSM1900	810	NV	-10	1.87	0.000979	±2.5	PASS
GSM1900	810	NV	0	5.64	0.002953	±2.5	PASS
GSM1900	810	NV	10	-1.57	-0.000822	±2.5	PASS
GSM1900	810	NV	20	-4.50	-0.002356	±2.5	PASS
GSM1900	810	NV	30	0.39	0.000204	±2.5	PASS
GSM1900	810	NV	40	0.27	0.000141	±2.5	PASS
GSM1900	810	NV	50	2.49	0.001304	±2.5	PASS
EGPRS1900	512	NV	-30	-1.95	-0.001054	±2.5	PASS
EGPRS1900	512	NV	-20	-7.18	-0.003881	±2.5	PASS
EGPRS1900	512	NV	-10	5.47	0.002956	±2.5	PASS
EGPRS1900	512	NV	0	-1.13	-0.000611	±2.5	PASS
EGPRS1900	512	NV	10	-3.26	-0.001762	±2.5	PASS
EGPRS1900	512	NV	20	0.31	0.000168	±2.5	PASS
EGPRS1900	512	NV	30	-1.00	-0.000540	±2.5	PASS
EGPRS1900	512	NV	40	4.00	0.002162	±2.5	PASS
EGPRS1900	512	NV	50	-4.80	-0.002594	±2.5	PASS
EGPRS1900	661	NV	-30	4.28	0.002277	±2.5	PASS

EGPRS1900	661	NV	-20	-2.21	-0.001176	±2.5	PASS
EGPRS1900	661	NV	-10	2.85	0.001516	±2.5	PASS
EGPRS1900	661	NV	0	-3.65	-0.001941	±2.5	PASS
EGPRS1900	661	NV	10	-2.81	-0.001495	±2.5	PASS
EGPRS1900	661	NV	20	-3.15	-0.001676	±2.5	PASS
EGPRS1900	661	NV	30	-3.41	-0.001814	±2.5	PASS
EGPRS1900	661	NV	40	7.52	0.004000	±2.5	PASS
EGPRS1900	661	NV	50	3.90	0.002074	±2.5	PASS
EGPRS1900	810	NV	-30	-6.08	-0.003184	±2.5	PASS
EGPRS1900	810	NV	-20	-0.91	-0.000476	±2.5	PASS
EGPRS1900	810	NV	-10	-1.34	-0.000702	±2.5	PASS
EGPRS1900	810	NV	0	0.98	0.000513	±2.5	PASS
EGPRS1900	810	NV	10	11.39	0.005964	±2.5	PASS
EGPRS1900	810	NV	20	11.08	0.005802	±2.5	PASS
EGPRS1900	810	NV	30	15.90	0.008325	±2.5	PASS
EGPRS1900	810	NV	40	2.56	0.001340	±2.5	PASS
EGPRS1900	810	NV	50	14.49	0.007587	±2.5	PASS

WCDMA:

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	NV	-30	-3.65	-0.001970	±2.5	PASS
Band2	9262	NV	-20	7.14	0.003854	±2.5	PASS
Band2	9262	NV	0	-3.02	-0.001630	±2.5	PASS
Band2	9262	NV	10	-3.58	-0.001933	±2.5	PASS
Band2	9262	NV	20	4.53	0.002445	±2.5	PASS
Band2	9262	NV	30	1.57	0.000848	±2.5	PASS
Band2	9262	NV	40	-0.03	-0.000016	±2.5	PASS
Band2	9262	NV	50	1.99	0.001074	±2.5	PASS
Band2	9400	NV	-30	-1.30	-0.000691	±2.5	PASS
Band2	9400	NV	-20	1.51	0.000803	±2.5	PASS
Band2	9400	NV	0	-4.97	-0.002644	±2.5	PASS
Band2	9400	NV	10	0.20	0.000106	±2.5	PASS
Band2	9400	NV	20	0.74	0.000394	±2.5	PASS
Band2	9400	NV	30	1.31	0.000697	±2.5	PASS
Band2	9400	NV	40	-7.66	-0.004074	±2.5	PASS
Band2	9400	NV	50	6.30	0.003351	±2.5	PASS
Band2	9538	NV	-30	0.27	0.000142	±2.5	PASS
Band2	9538	NV	-20	-3.69	-0.001934	±2.5	PASS
Band2	9538	NV	0	-2.07	-0.001085	±2.5	PASS
Band2	9538	NV	10	-1.42	-0.000744	±2.5	PASS
Band2	9538	NV	20	-1.43	-0.000750	±2.5	PASS
Band2	9538	NV	30	0.34	0.000178	±2.5	PASS
Band2	9538	NV	40	-1.95	-0.001022	±2.5	PASS
Band2	9538	NV	50	2.41	0.001263	±2.5	PASS
Band4	1312	NV	-30	3.59	0.002096	±2.5	PASS
Band4	1312	NV	-20	6.89	0.004024	±2.5	PASS

Band4	1312	NV	0	4.07	0.002377	±2.5	PASS
Band4	1312	NV	10	5.55	0.003241	±2.5	PASS
Band4	1312	NV	20	3.84	0.002242	±2.5	PASS
Band4	1312	NV	30	4.90	0.002861	±2.5	PASS
Band4	1312	NV	40	3.77	0.002202	±2.5	PASS
Band4	1312	NV	50	1.38	0.000806	±2.5	PASS
Band4	1413	NV	-30	1.50	0.000866	±2.5	PASS
Band4	1413	NV	-20	7.48	0.004317	±2.5	PASS
Band4	1413	NV	0	-3.26	-0.001882	±2.5	PASS
Band4	1413	NV	10	2.47	0.001426	±2.5	PASS
Band4	1413	NV	20	-4.78	-0.002759	±2.5	PASS
Band4	1413	NV	30	-0.67	-0.000387	±2.5	PASS
Band4	1413	NV	40	-2.49	-0.001437	±2.5	PASS
Band4	1413	NV	50	-3.48	-0.002009	±2.5	PASS
Band4	1513	NV	-30	-2.33	-0.001329	±2.5	PASS
Band4	1513	NV	-20	-3.02	-0.001723	±2.5	PASS
Band4	1513	NV	0	1.67	0.000953	±2.5	PASS
Band4	1513	NV	10	-2.60	-0.001484	±2.5	PASS
Band4	1513	NV	20	-2.15	-0.001227	±2.5	PASS
Band4	1513	NV	30	-3.28	-0.001872	±2.5	PASS
Band4	1513	NV	40	-4.58	-0.002613	±2.5	PASS
Band4	1513	NV	50	-4.68	-0.002670	±2.5	PASS
Band5	4132	NV	-30	0.83	0.001004	±2.5	PASS
Band5	4132	NV	-20	-0.71	-0.000859	±2.5	PASS
Band5	4132	NV	0	-0.41	-0.000496	±2.5	PASS
Band5	4132	NV	10	0.40	0.000484	±2.5	PASS
Band5	4132	NV	20	2.40	0.002904	±2.5	PASS
Band5	4132	NV	30	-0.79	-0.000956	±2.5	PASS
Band5	4132	NV	40	0.41	0.000496	±2.5	PASS
Band5	4132	NV	50	-0.07	-0.000085	±2.5	PASS
Band5	4182	NV	-30	-1.11	-0.001327	±2.5	PASS
Band5	4182	NV	-20	-1.52	-0.001817	±2.5	PASS
Band5	4182	NV	0	0.58	0.000693	±2.5	PASS
Band5	4182	NV	10	-0.10	-0.000120	±2.5	PASS
Band5	4182	NV	20	1.02	0.001220	±2.5	PASS
Band5	4182	NV	30	0.78	0.000933	±2.5	PASS
Band5	4182	NV	40	-0.39	-0.000466	±2.5	PASS
Band5	4182	NV	50	0.97	0.001160	±2.5	PASS
Band5	4233	NV	-30	-0.82	-0.000969	±2.5	PASS
Band5	4233	NV	-20	1.23	0.001453	±2.5	PASS
Band5	4233	NV	0	0.90	0.001063	±2.5	PASS
Band5	4233	NV	10	-0.02	-0.000024	±2.5	PASS
Band5	4233	NV	20	0.37	0.000437	±2.5	PASS
Band5	4233	NV	30	0.98	0.001158	±2.5	PASS
Band5	4233	NV	40	-0.73	-0.000862	±2.5	PASS
Band5	4233	NV	50	1.09	0.001288	±2.5	PASS

LTE:

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	1.4MHz	QPSK	18900	6RB#0	NV	-30	-0.002128	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	-20	0.023181	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	0	0.008133	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	10	0.012559	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	20	0.014484	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	30	0.015383	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	40	0.017069	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	50	0.018362	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	NV	-30	0.003867	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	NV	-20	0.005250	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	NV	0	0.005165	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	NV	10	0.006532	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	NV	20	0.007963	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	NV	30	0.007314	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	NV	40	0.005718	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	NV	50	-0.002814	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	NV	-30	0.005766	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	NV	-20	-0.003628	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	NV	0	-0.009926	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	NV	10	-0.012628	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	NV	20	-0.014904	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	NV	30	-0.021293	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	NV	40	-0.020739	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	NV	50	-0.025383	±2.5	PASS
Band2	3MHz	16QAM	18900	15RB#0	NV	-30	0.002505	±2.5	PASS
Band2	3MHz	16QAM	18900	15RB#0	NV	-20	0.006761	±2.5	PASS
Band2	3MHz	16QAM	18900	15RB#0	NV	0	0.009707	±2.5	PASS
Band2	3MHz	16QAM	18900	15RB#0	NV	10	0.011798	±2.5	PASS
Band2	3MHz	16QAM	18900	15RB#0	NV	20	0.013569	±2.5	PASS
Band2	3MHz	16QAM	18900	15RB#0	NV	30	0.013803	±2.5	PASS
Band2	3MHz	16QAM	18900	15RB#0	NV	40	0.015218	±2.5	PASS
Band2	3MHz	16QAM	18900	15RB#0	NV	50	0.015638	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	NV	-30	-0.014484	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	NV	-20	-0.020745	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	NV	0	0.006335	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	NV	10	0.002947	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	NV	20	-0.003979	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	NV	30	-0.011814	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	NV	40	-0.013798	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	NV	50	-0.019803	±2.5	PASS
Band2	5MHz	16QAM	18900	25RB#0	NV	-30	0.004612	±2.5	PASS
Band2	5MHz	16QAM	18900	25RB#0	NV	-20	0.007532	±2.5	PASS
Band2	5MHz	16QAM	18900	25RB#0	NV	0	0.009181	±2.5	PASS
Band2	5MHz	16QAM	18900	25RB#0	NV	10	0.009931	±2.5	PASS
Band2	5MHz	16QAM	18900	25RB#0	NV	20	0.009851	±2.5	PASS
Band2	5MHz	16QAM	18900	25RB#0	NV	30	0.010048	±2.5	PASS
Band2	5MHz	16QAM	18900	25RB#0	NV	40	0.011617	±2.5	PASS
Band2	5MHz	16QAM	18900	25RB#0	NV	50	0.011426	±2.5	PASS

Band2	10MHz	QPSK	18900	50RB#0	NV	-30	-0.027697	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	-20	0.002537	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	0	-0.011851	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	10	-0.023665	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	20	-0.025021	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	30	-0.026218	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	40	-0.002032	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	50	-0.004649	±2.5	PASS
Band2	10MHz	16QAM	18900	50RB#0	NV	-30	-0.013324	±2.5	PASS
Band2	10MHz	16QAM	18900	50RB#0	NV	-20	-0.012032	±2.5	PASS
Band2	10MHz	16QAM	18900	50RB#0	NV	0	-0.014617	±2.5	PASS
Band2	10MHz	16QAM	18900	50RB#0	NV	10	-0.014734	±2.5	PASS
Band2	10MHz	16QAM	18900	50RB#0	NV	20	-0.017872	±2.5	PASS
Band2	10MHz	16QAM	18900	50RB#0	NV	30	-0.015910	±2.5	PASS
Band2	10MHz	16QAM	18900	50RB#0	NV	40	-0.017037	±2.5	PASS
Band2	10MHz	16QAM	18900	50RB#0	NV	50	-0.016729	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	-30	-0.026282	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	-20	0.004473	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	0	0.019436	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	10	-0.022473	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	20	0.006910	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	30	0.006399	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	40	0.020016	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	50	0.007553	±2.5	PASS
Band2	15MHz	16QAM	18900	75RB#0	NV	-30	-0.001755	±2.5	PASS
Band2	15MHz	16QAM	18900	75RB#0	NV	-20	-0.008234	±2.5	PASS
Band2	15MHz	16QAM	18900	75RB#0	NV	0	-0.003606	±2.5	PASS
Band2	15MHz	16QAM	18900	75RB#0	NV	10	-0.011830	±2.5	PASS
Band2	15MHz	16QAM	18900	75RB#0	NV	20	-0.018702	±2.5	PASS
Band2	15MHz	16QAM	18900	75RB#0	NV	30	-0.026973	±2.5	PASS
Band2	15MHz	16QAM	18900	75RB#0	NV	40	0.003170	±2.5	PASS
Band2	15MHz	16QAM	18900	75RB#0	NV	50	-0.005436	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-0.005888	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-0.013479	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-0.013910	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-0.020378	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-0.019362	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-0.016399	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-0.005037	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-0.021335	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-0.026394	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-0.019846	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-0.003356	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-0.021835	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-0.008404	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-0.021314	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-0.009516	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-0.025947	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-30	-0.017691	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-20	-0.005472	±2.5	PASS