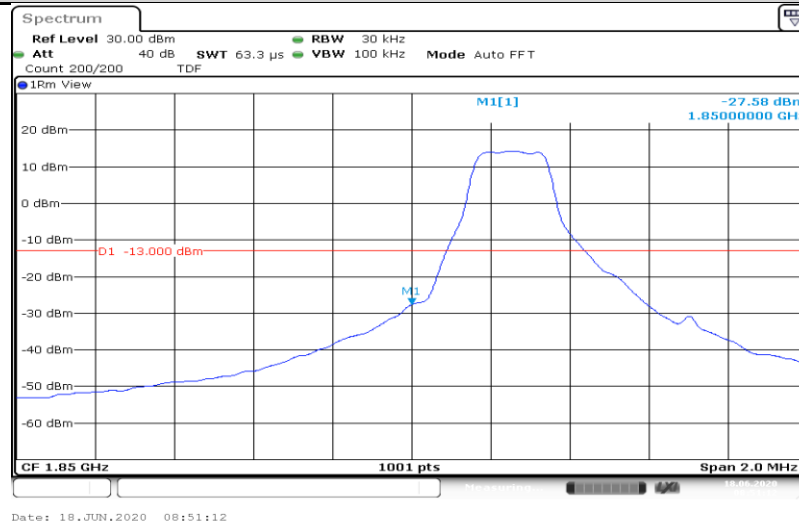


4.2 Test Graphs

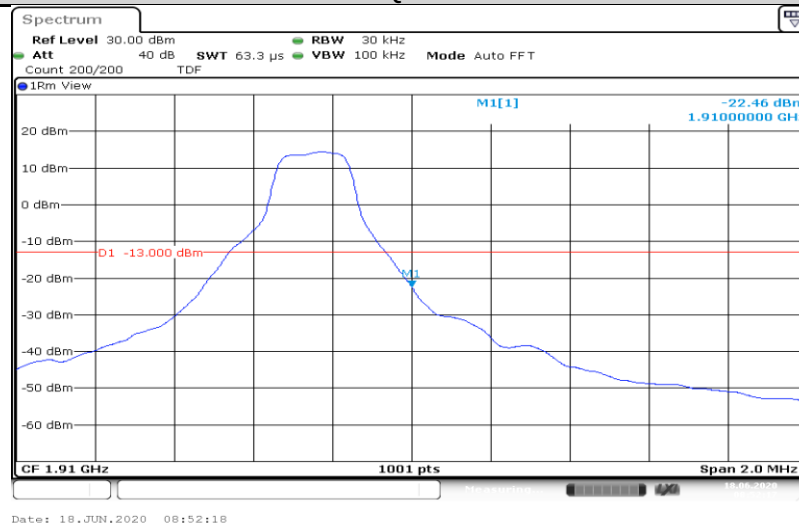
Band2-1.4MHz-QPSK-18607-1RB#0



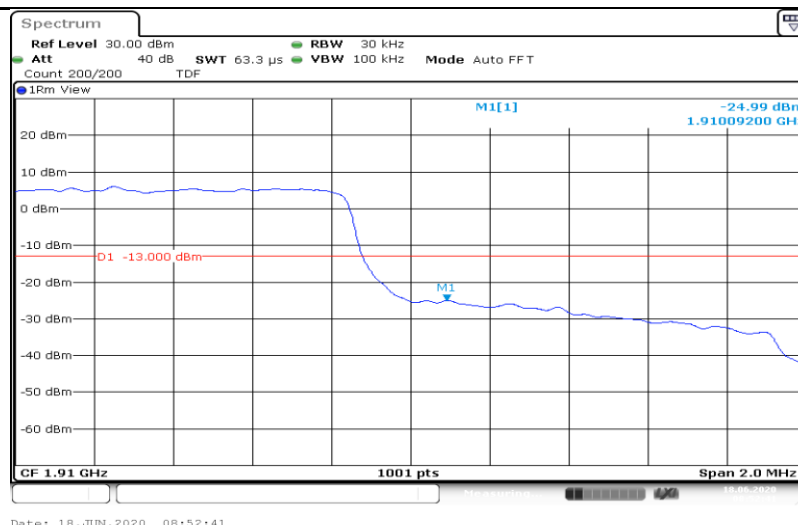
Band2-1.4MHz-QPSK-18607-6RB#0



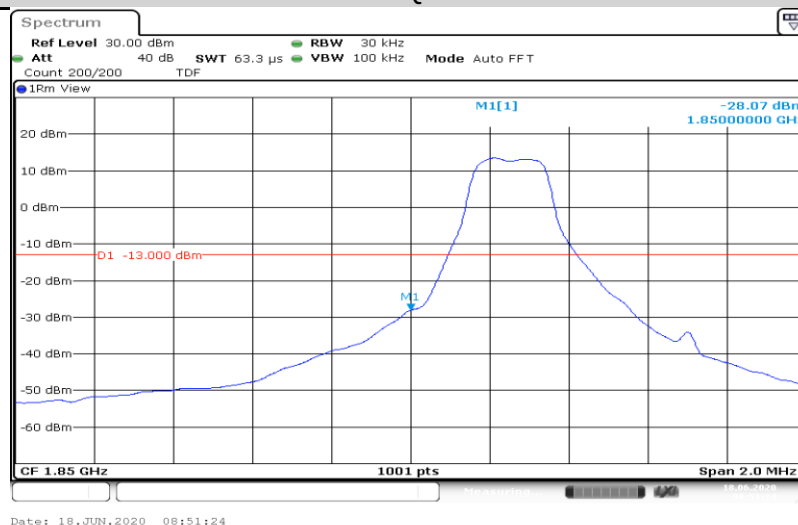
Band2-1.4MHz-QPSK-19193-1RB#5



Band2-1.4MHz-QPSK-19193-6RB#0



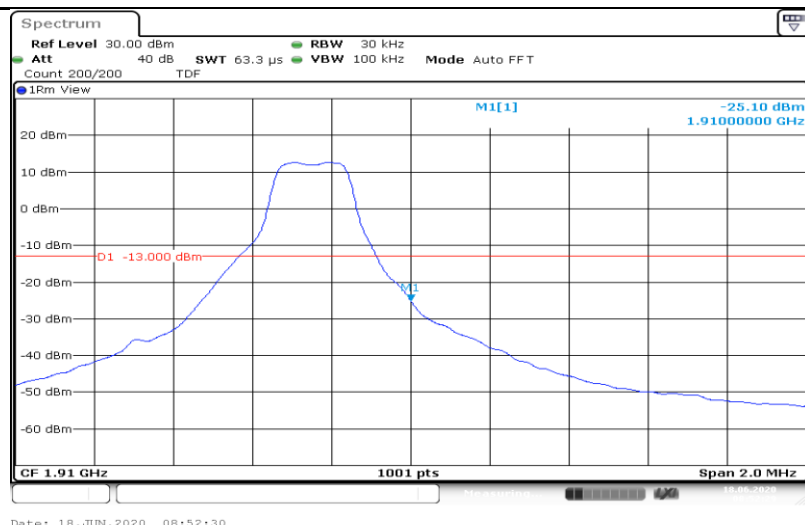
Band2-1.4MHz-16QAM-18607-1RB#0



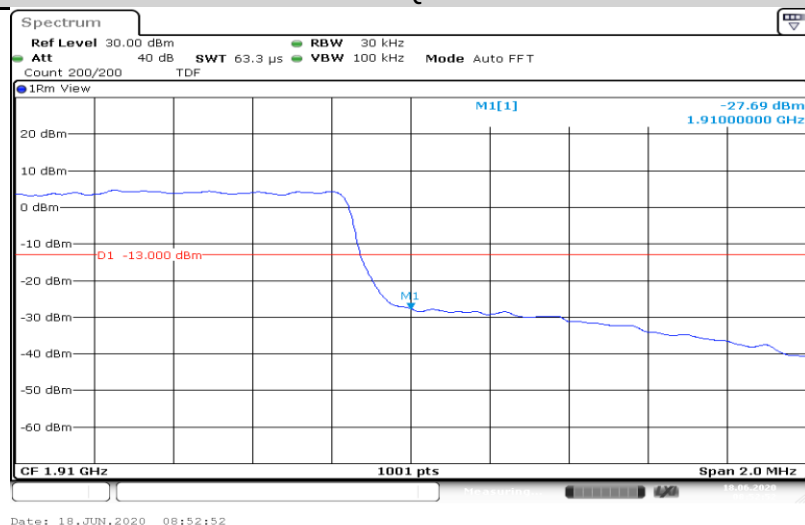
Band2-1.4MHz-16QAM-18607-6RB#0



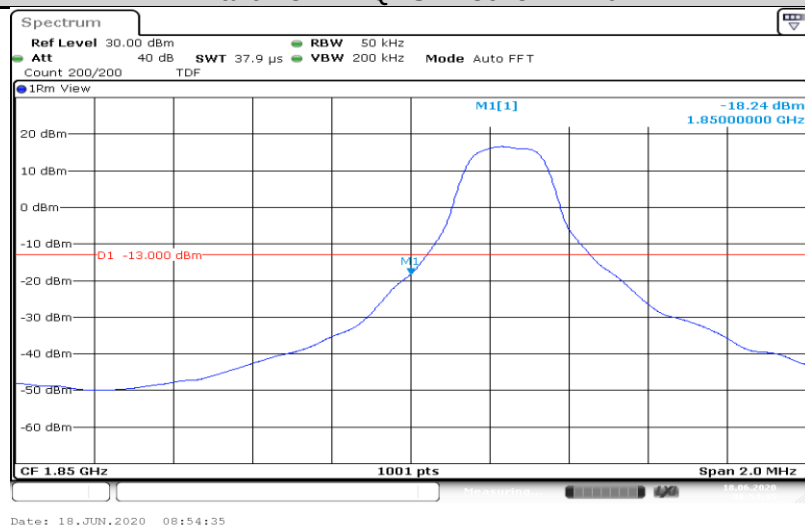
Band2-1.4MHz-16QAM-19193-1RB#5



Band2-1.4MHz-16QAM-19193-6RB#0



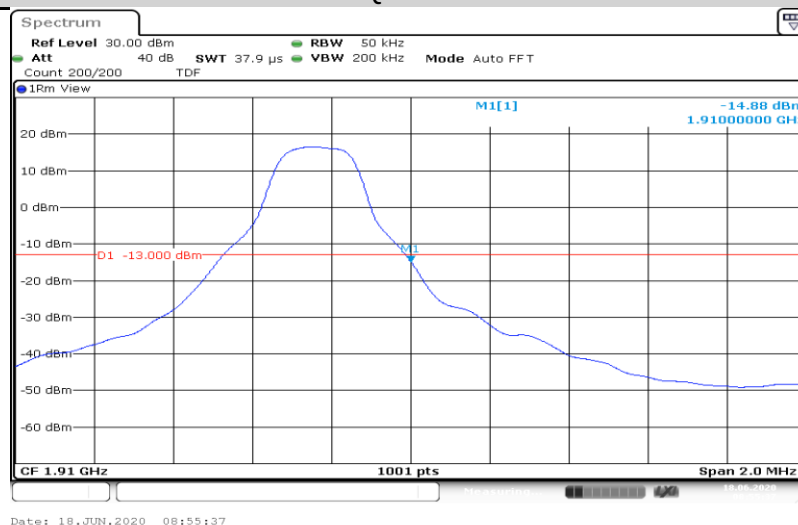
Band2-3MHz-QPSK-18615-1RB#0



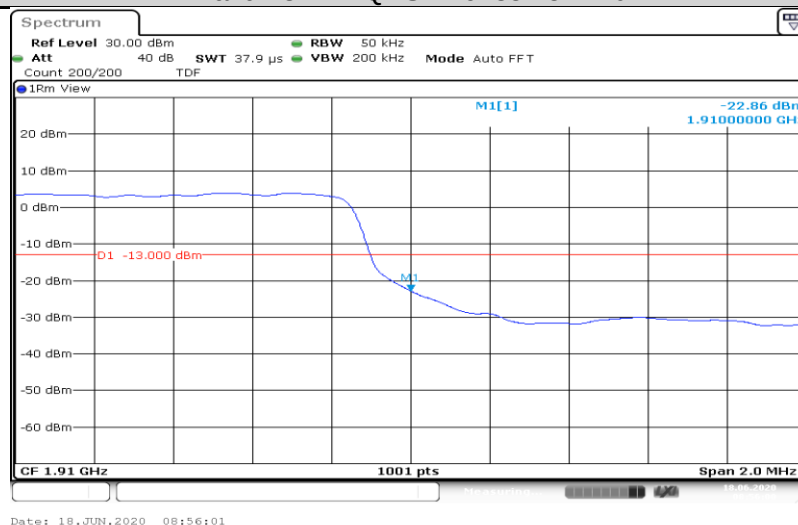
Band2-3MHz-QPSK-18615-15RB#0



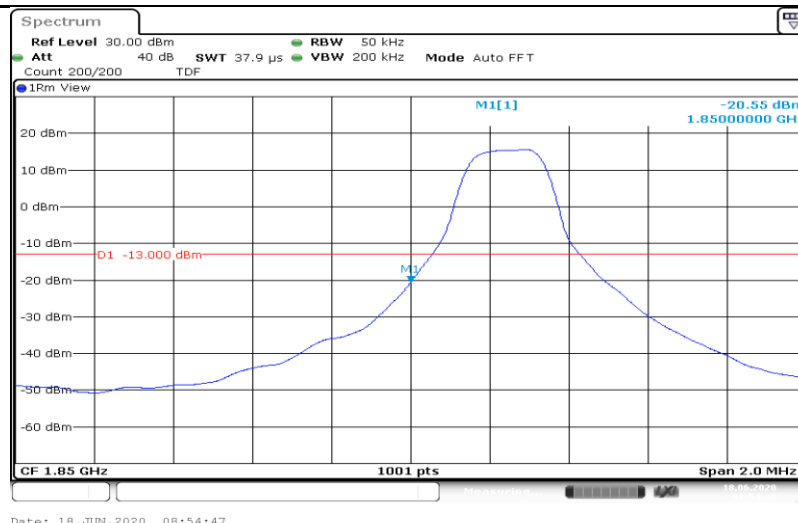
Band2-3MHz-QPSK-19185-1RB#14



Band2-3MHz-QPSK-19185-15RB#0



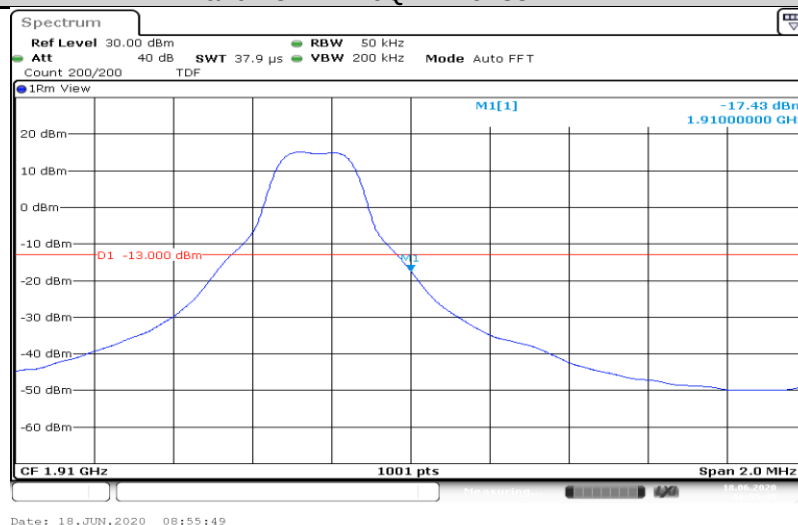
Band2-3MHz-16QAM-18615-1RB#0



Band2-3MHz-16QAM-18615-15RB#0



Band2-3MHz-16QAM-19185-1RB#14



Band2-3MHz-16QAM-19185-15RB#0



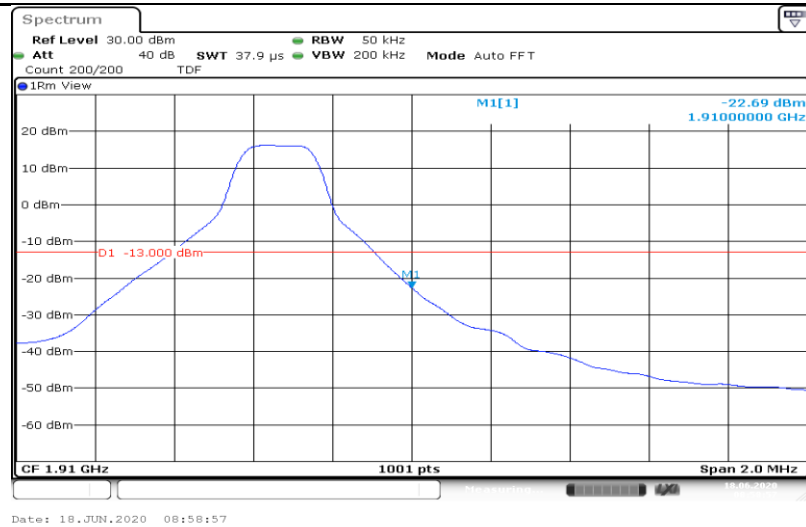
Band2-5MHz-QPSK-18625-1RB#0



Band2-5MHz-QPSK-18625-25RB#0



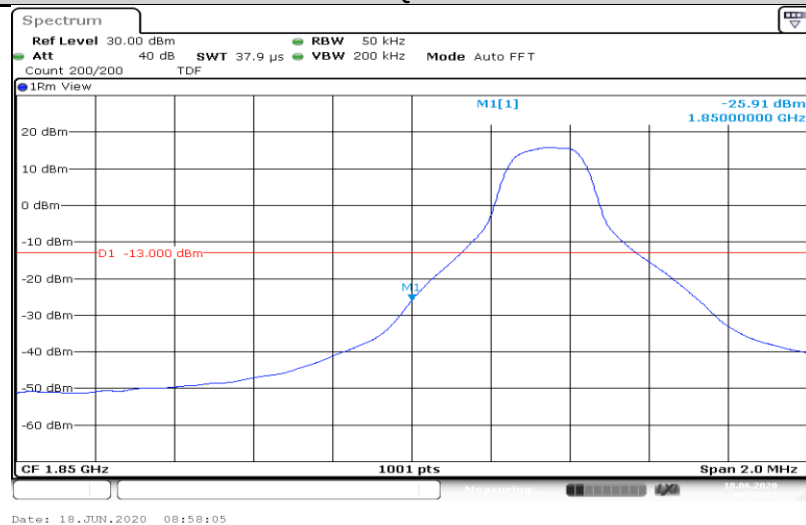
Band2-5MHz-QPSK-19175-1RB#24



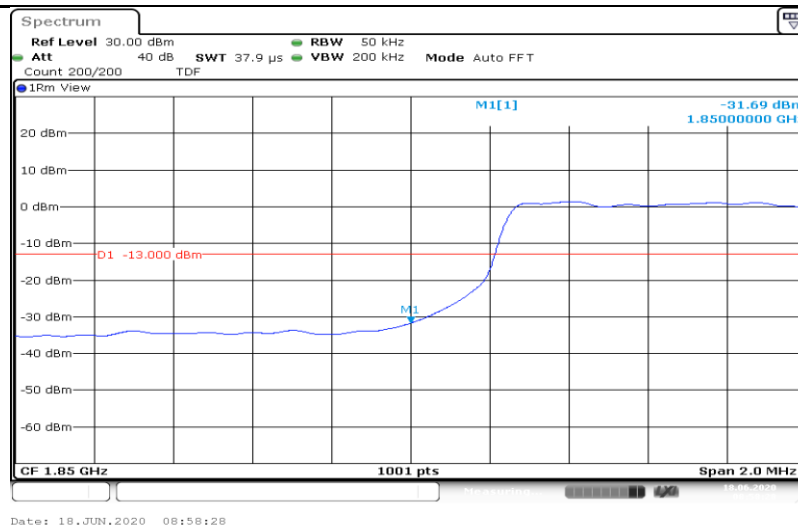
Band2-5MHz-QPSK-19175-25RB#0



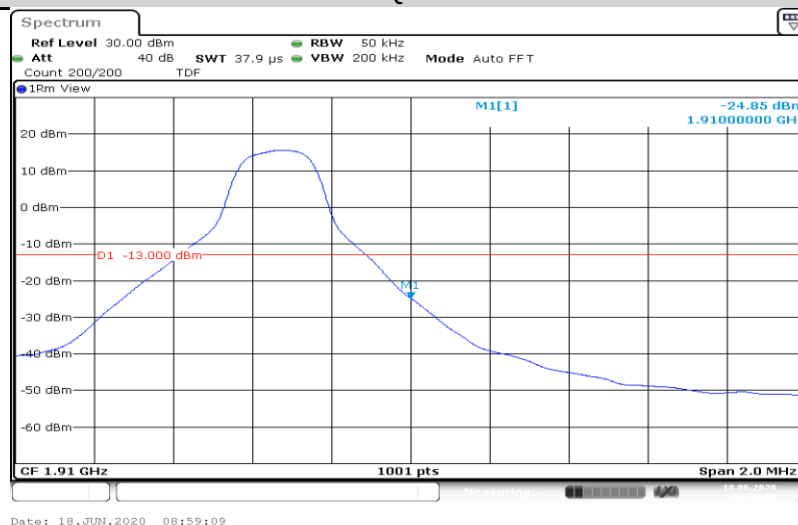
Band2-5MHz-16QAM-18625-1RB#0



Band2-5MHz-16QAM-18625-25RB#0



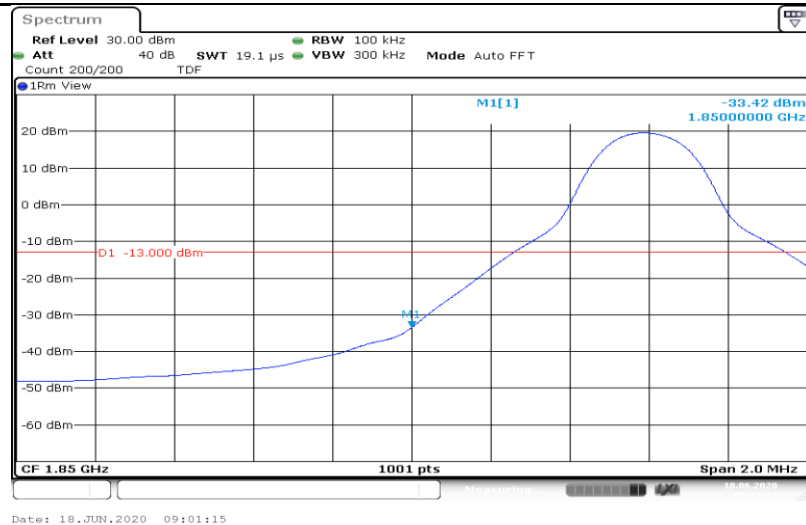
Band2-5MHz-16QAM-19175-1RB#24



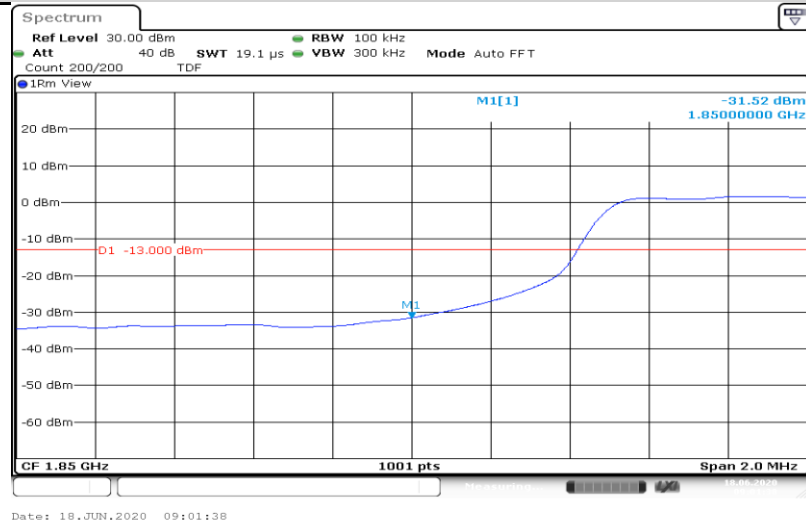
Band2-5MHz-16QAM-19175-25RB#0



Band2-10MHz-QPSK-18650-1RB#0



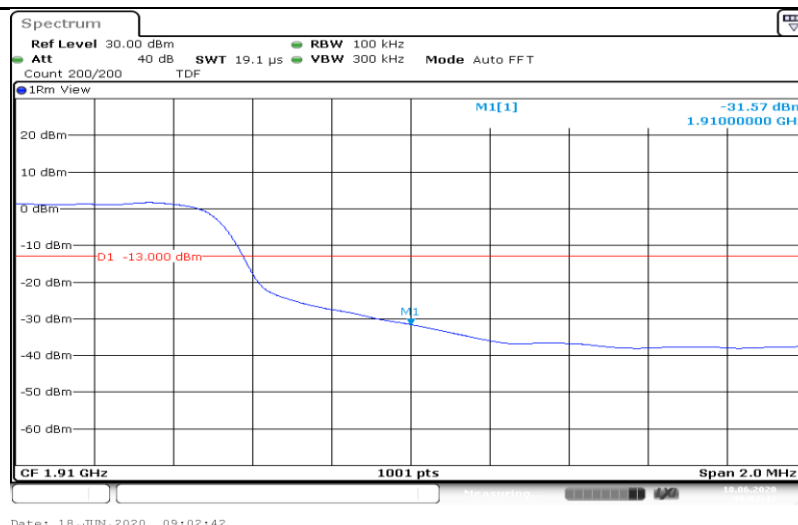
Band2-10MHz-QPSK-18650-50RB#0



Band2-10MHz-QPSK-19150-1RB#49



Band2-10MHz-QPSK-19150-50RB#0



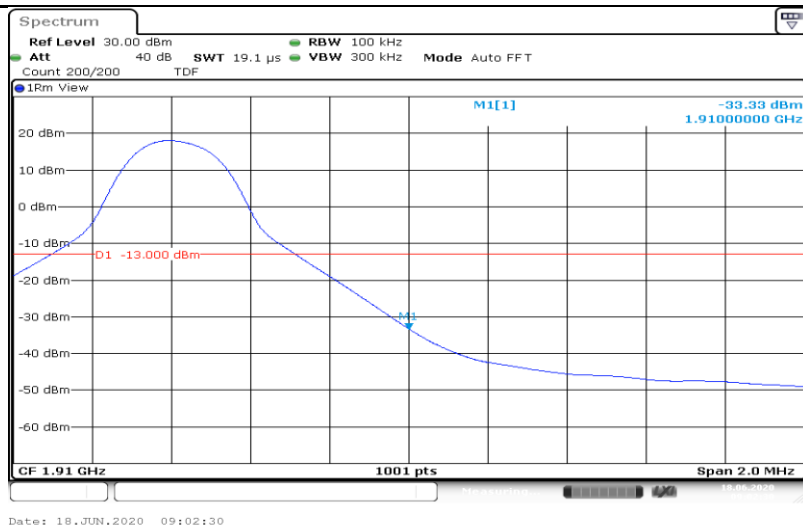
Band2-10MHz-16QAM-18650-1RB#0



Band2-10MHz-16QAM-18650-50RB#0



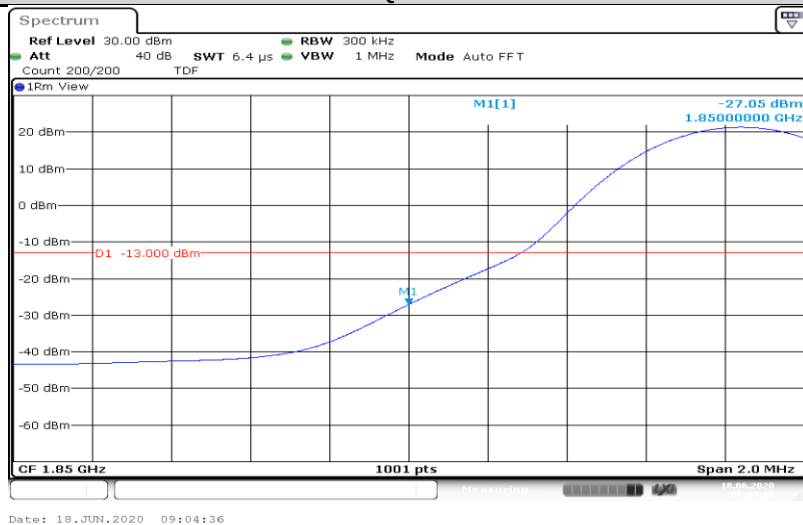
Band2-10MHz-16QAM-19150-1RB#49



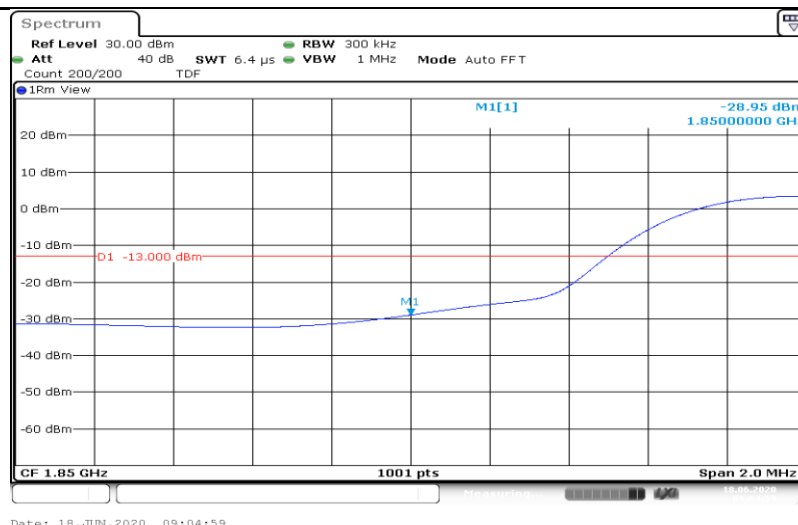
Band2-10MHz-16QAM-19150-50RB#0



Band2-15MHz-QPSK-18675-1RB#0



Band2-15MHz-QPSK-18675-75RB#0



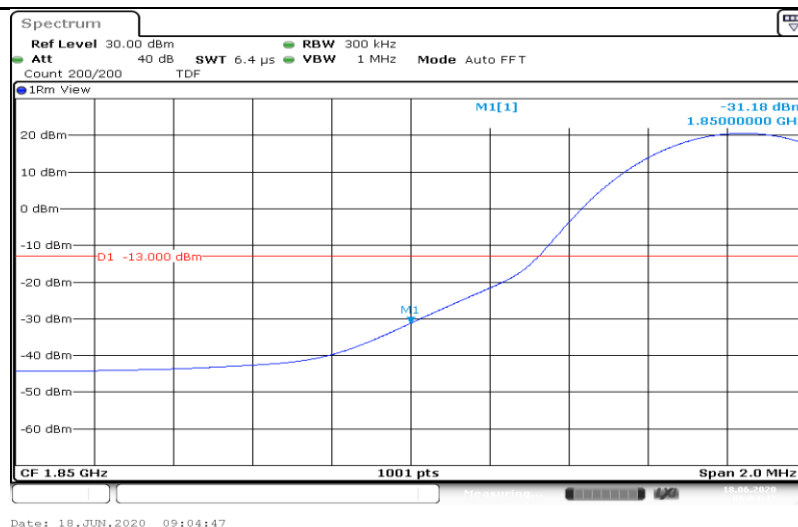
Band2-15MHz-QPSK-19125-1RB#74



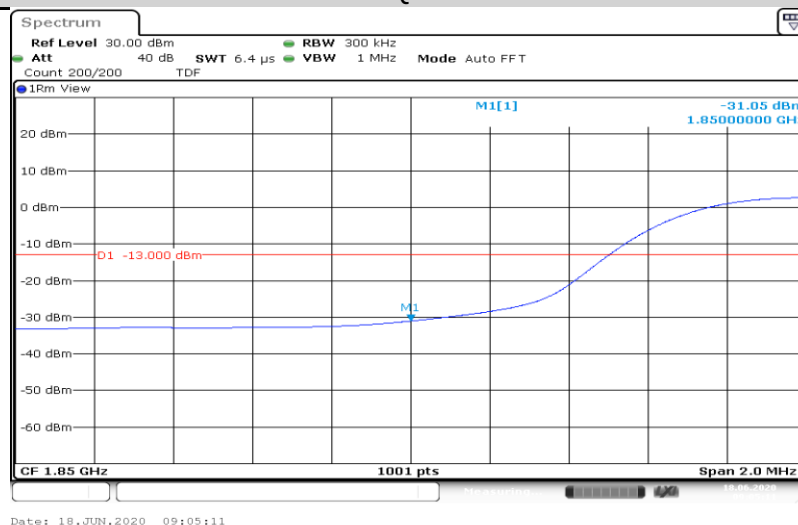
Band2-15MHz-QPSK-19125-75RB#0



Band2-15MHz-16QAM-18675-1RB#0



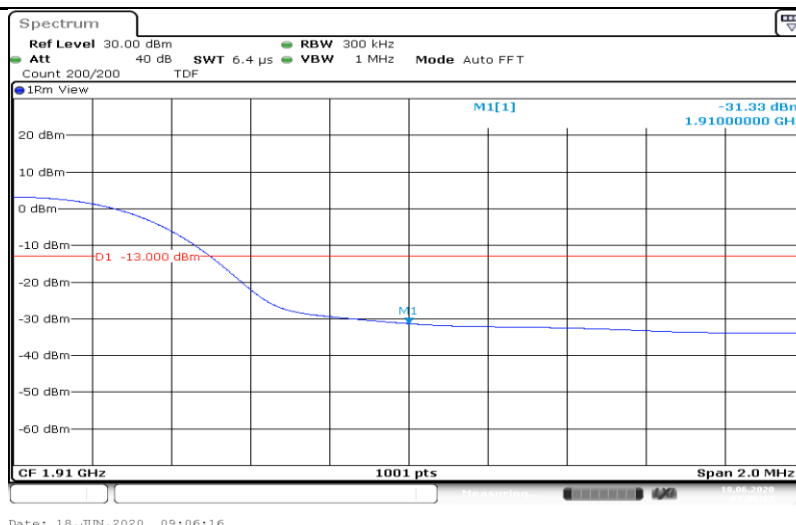
Band2-15MHz-16QAM-18675-75RB#0



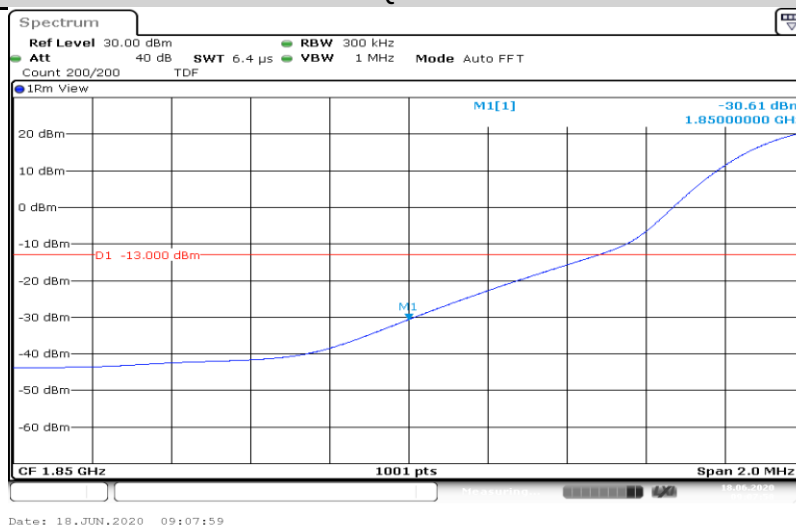
Band2-15MHz-16QAM-19125-1RB#74



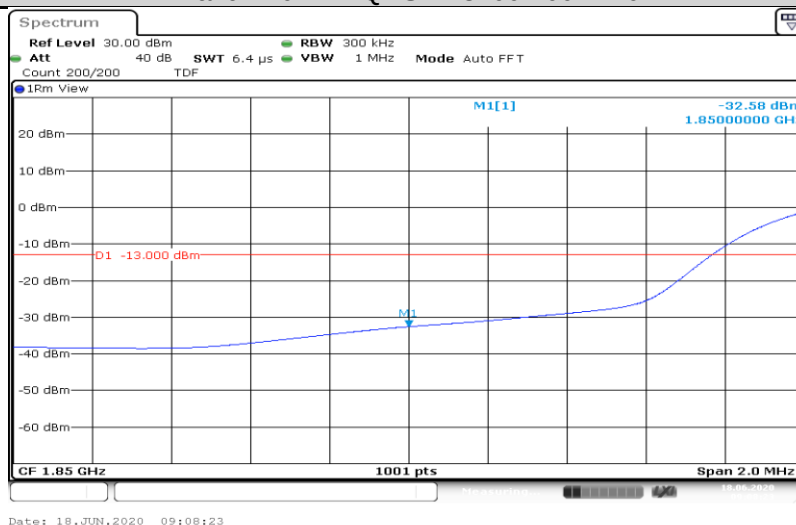
Band2-15MHz-16QAM-19125-75RB#0



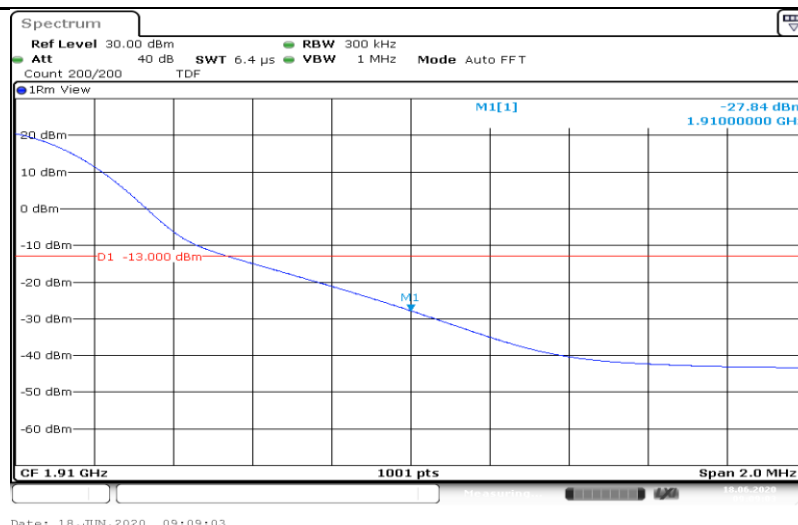
Band2-20MHz-QPSK-18700-1RB#0



Band2-20MHz-QPSK-18700-100RB#0



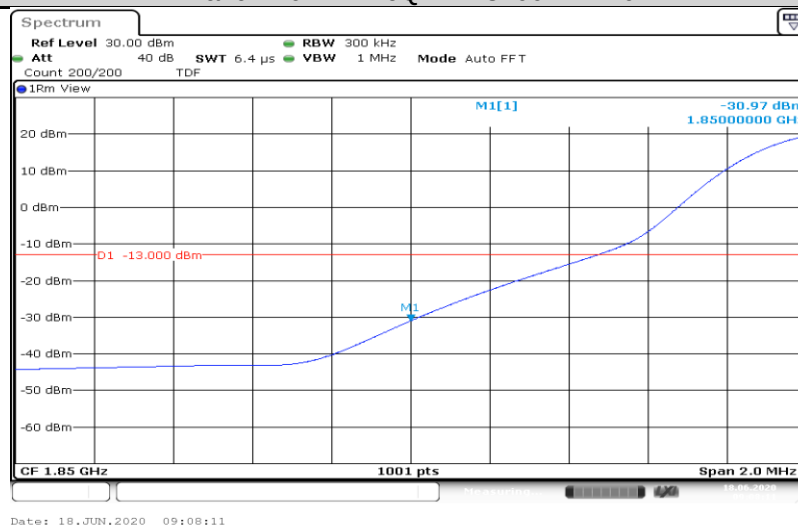
Band2-20MHz-QPSK-19100-1RB#99



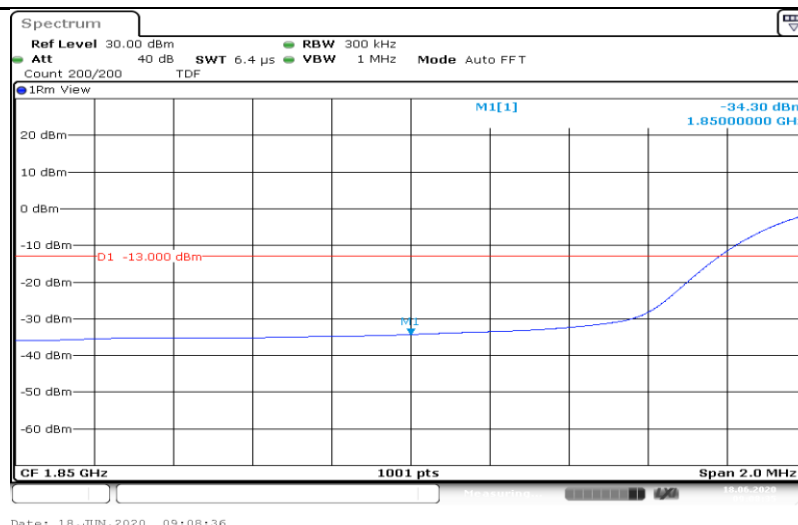
Band2-20MHz-QPSK-19100-100RB#0



Band2-20MHz-16QAM-18700-1RB#0



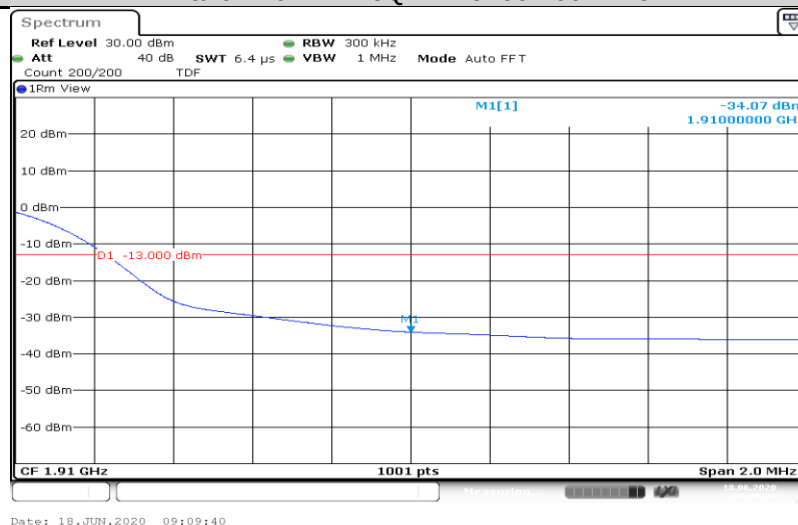
Band2-20MHz-16QAM-18700-100RB#0



Band2-20MHz-16QAM-19100-1RB#99



Band2-20MHz-16QAM-19100-100RB#0



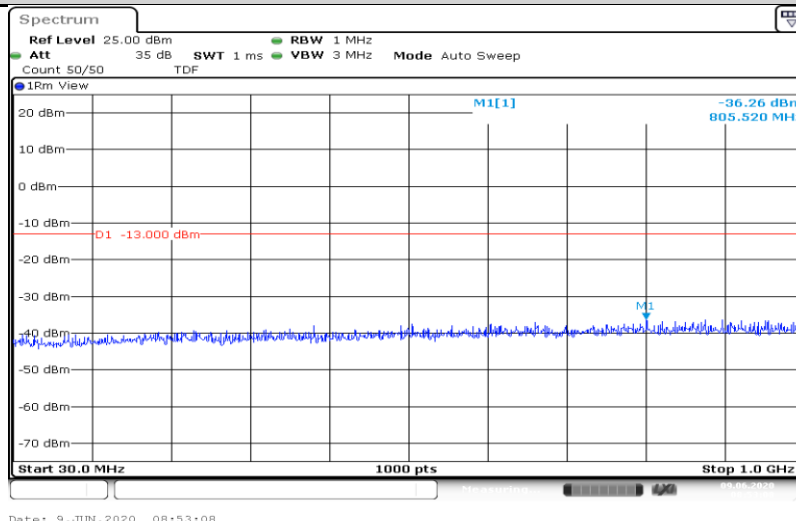
5. Conducted Spurious Emission

5.1 Test Result

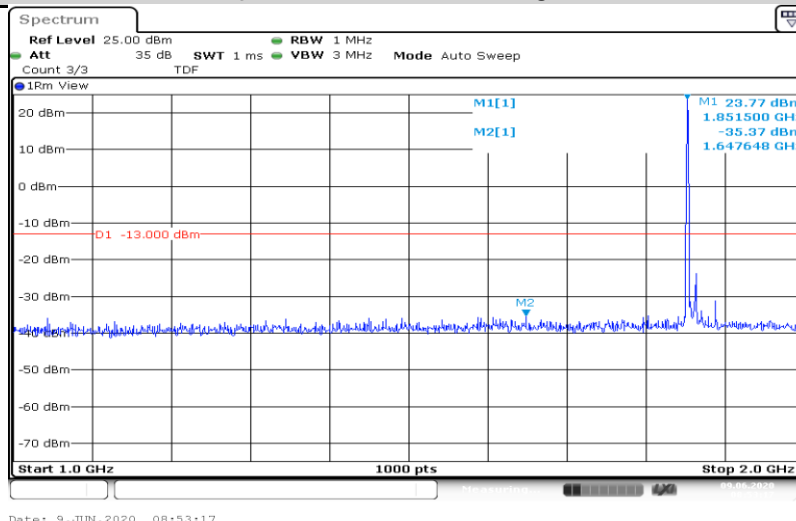
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band2	20MHz	QPSK	18700	1RB#0	Range1:30~1000MHz	-36.26	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range2:1000~2000MHz	-35.37	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range3:2000~20000MHz	-36.4	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-36.14	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range2:1000~2000MHz	-35.24	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range3:2000~20000MHz	-37.6	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range1:30~1000MHz	-36.18	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range2:1000~2000MHz	-35.86	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range3:2000~20000MHz	-36.89	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range1:30~1000MHz	-35.54	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range2:1000~2000MHz	-35.67	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range3:2000~20000MHz	-36.71	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-36.16	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range2:1000~2000MHz	-34.52	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range3:2000~20000MHz	-37.36	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range1:30~1000MHz	-36.4	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range2:1000~2000MHz	-35.29	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range3:2000~20000MHz	-37.06	PASS

5.2 Test Graphs

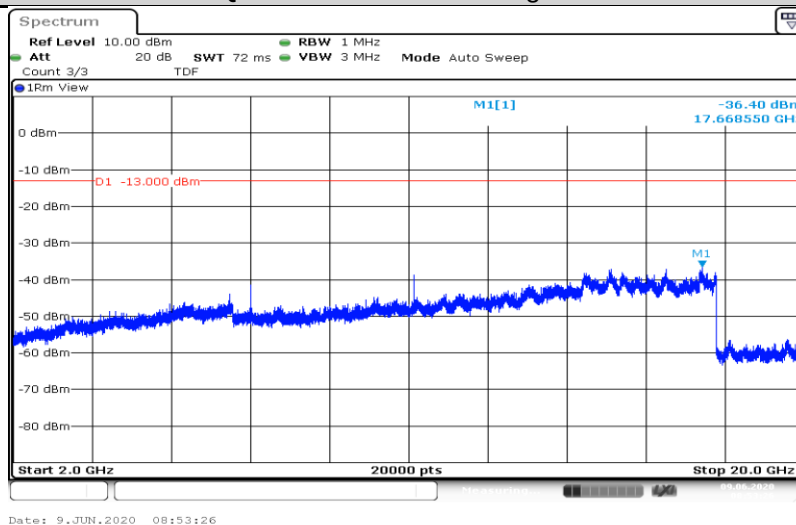
Band2-20MHz-QPSK-18700-1RB#0-Range1:30~1000MHz



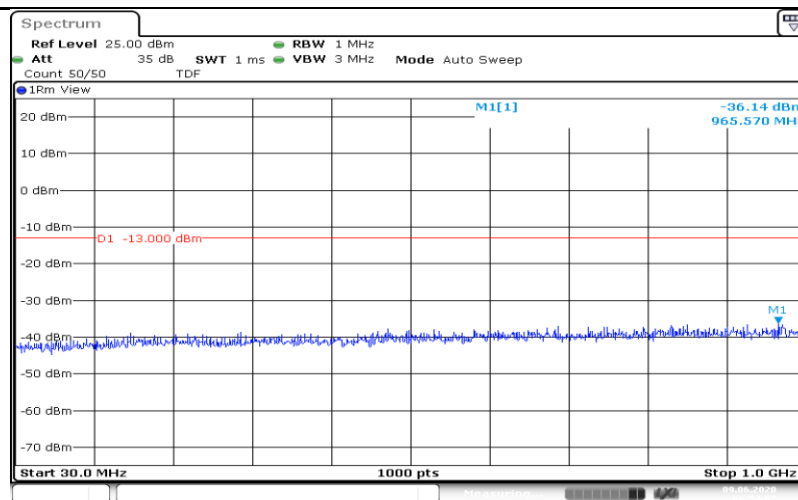
Band2-20MHz-QPSK-18700-1RB#0-Range2:1000~2000MHz



Band2-20MHz-QPSK-18700-1RB#0-Range3:2000~20000MHz

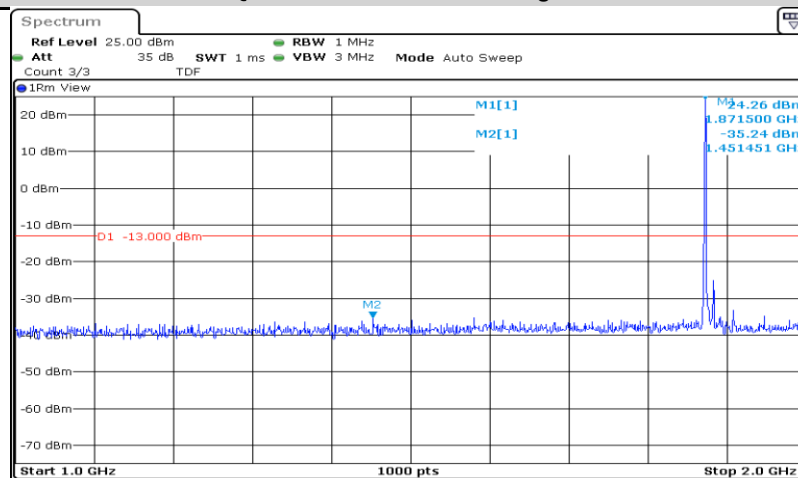


Band2-20MHz-QPSK-18900-1RB#0-Range1:30~1000MHz



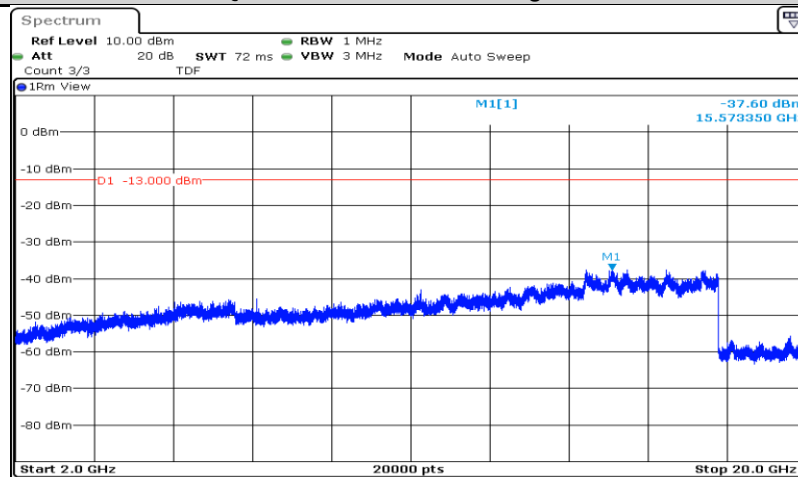
Date: 9.JUN.2020 08:54:07

Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~2000MHz



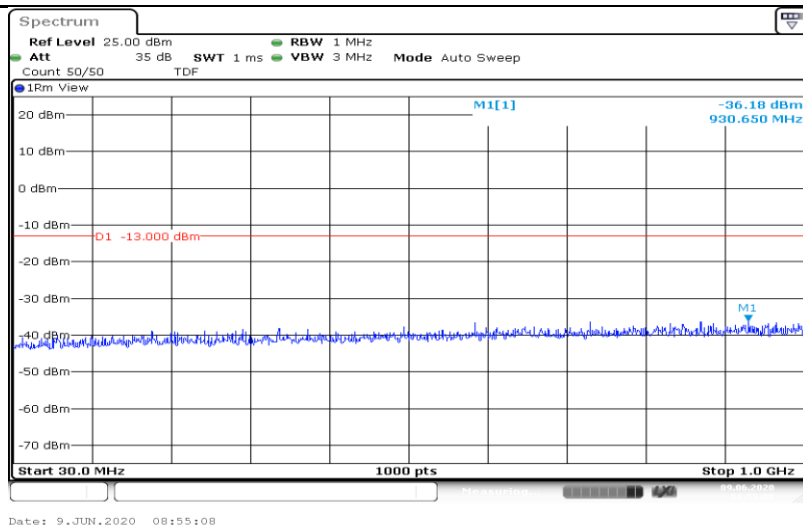
Date: 9.JUN.2020 08:54:16

Band2-20MHz-QPSK-18900-1RB#0-Range3:2000~20000MHz

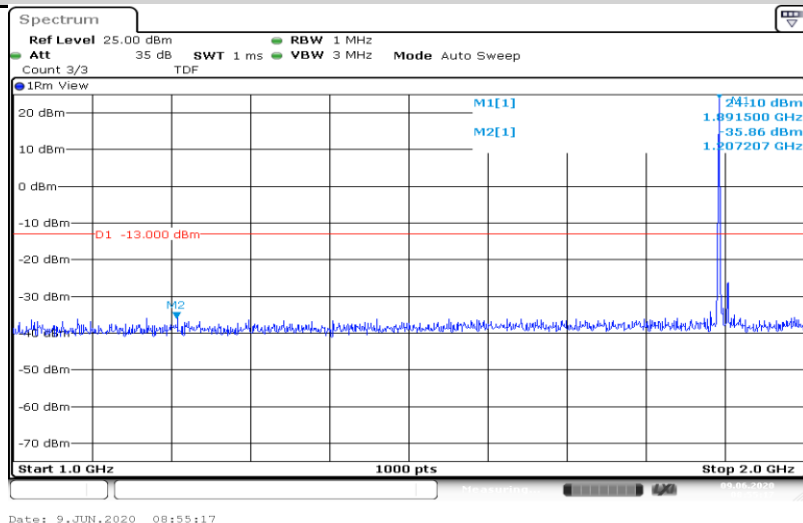


Date: 9.JUN.2020 08:54:25

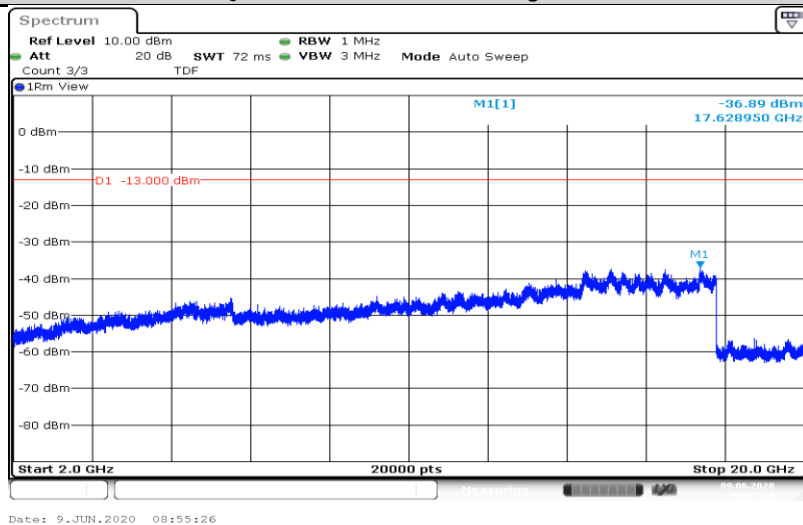
Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz



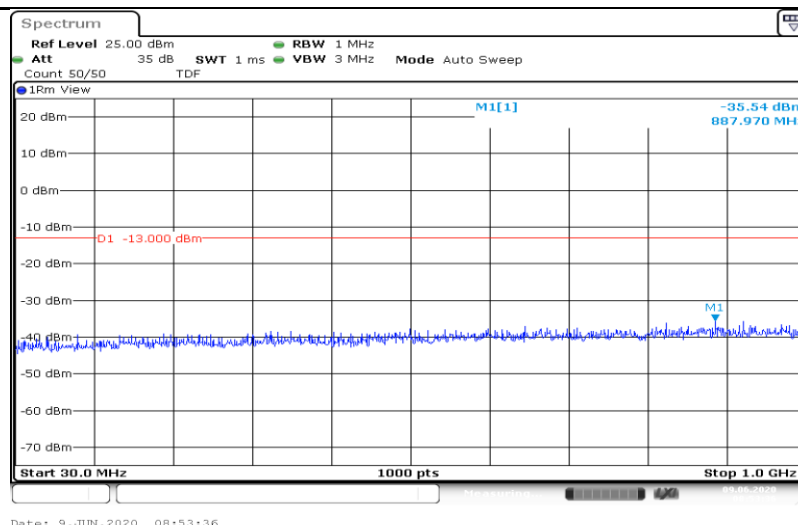
Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~2000MHz



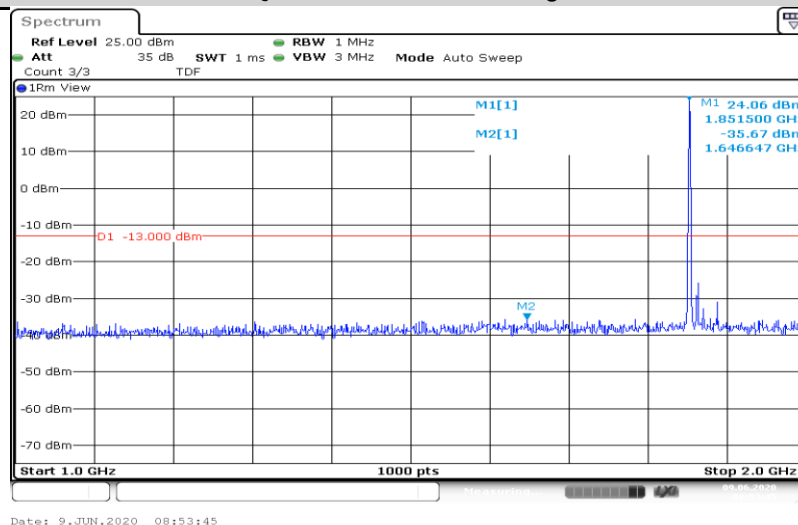
Band2-20MHz-QPSK-19100-1RB#0-Range3:2000~20000MHz



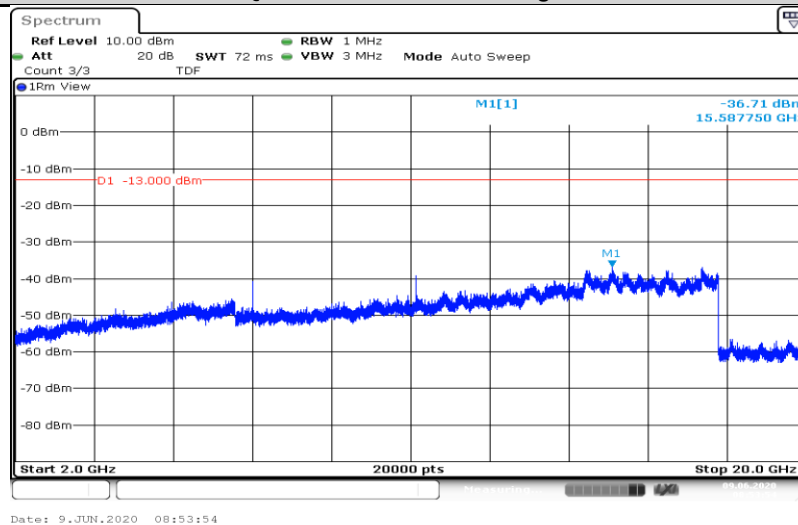
Band2-20MHz-16QAM-18700-1RB#0-Range1:30~1000MHz



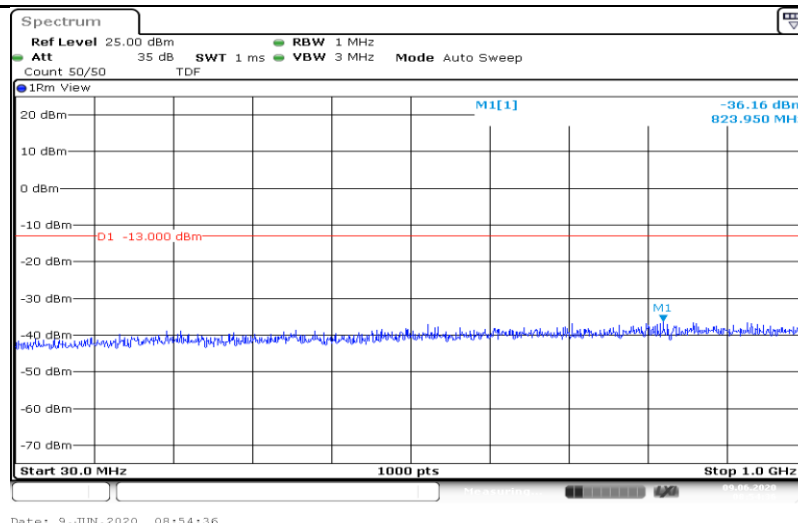
Band2-20MHz-16QAM-18700-1RB#0-Range2:1000~2000MHz



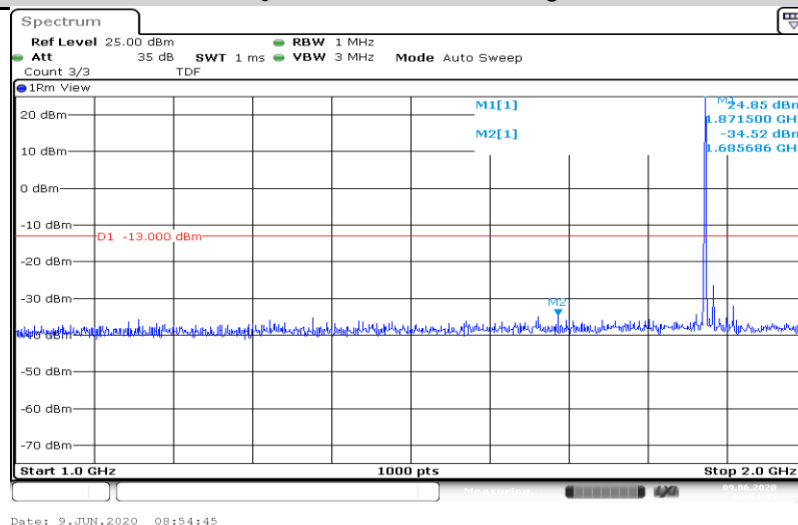
Band2-20MHz-16QAM-18700-1RB#0-Range3:2000~20000MHz



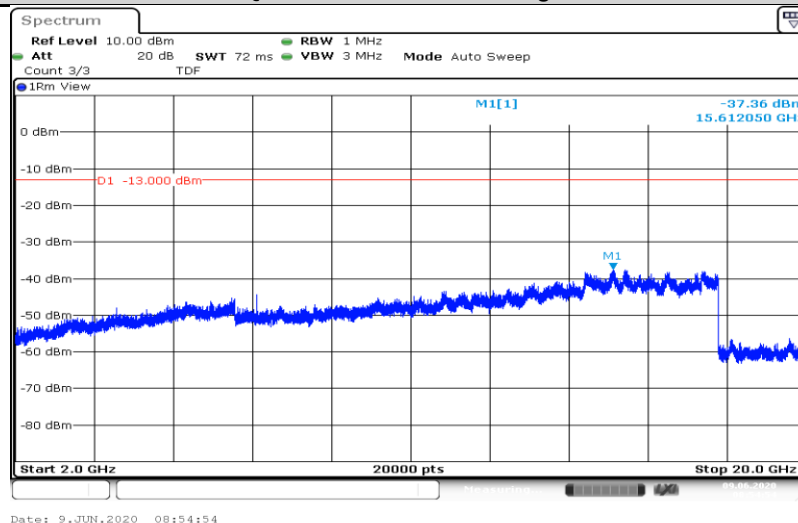
Band2-20MHz-16QAM-18900-1RB#0-Range1:30~1000MHz



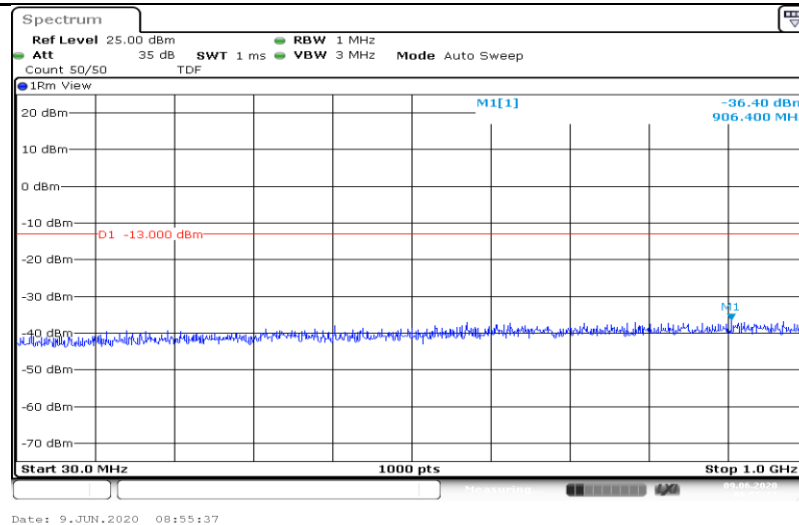
Band2-20MHz-16QAM-18900-1RB#0-Range2:1000~2000MHz



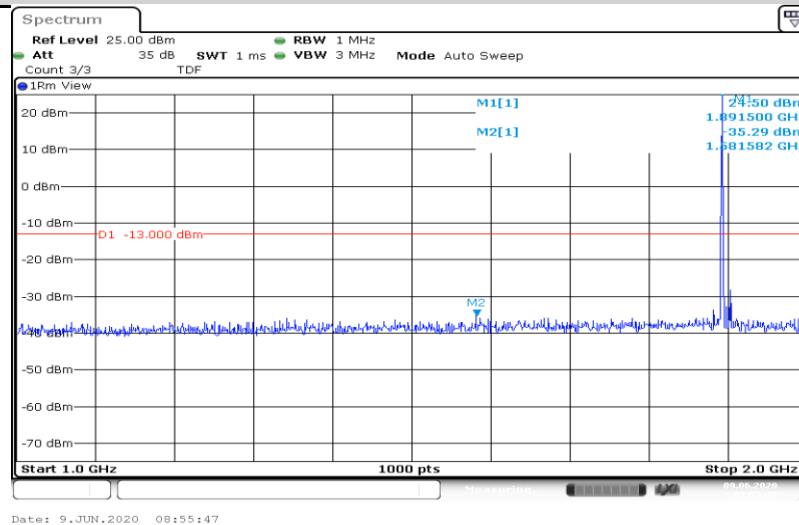
Band2-20MHz-16QAM-18900-1RB#0-Range3:2000~20000MHz



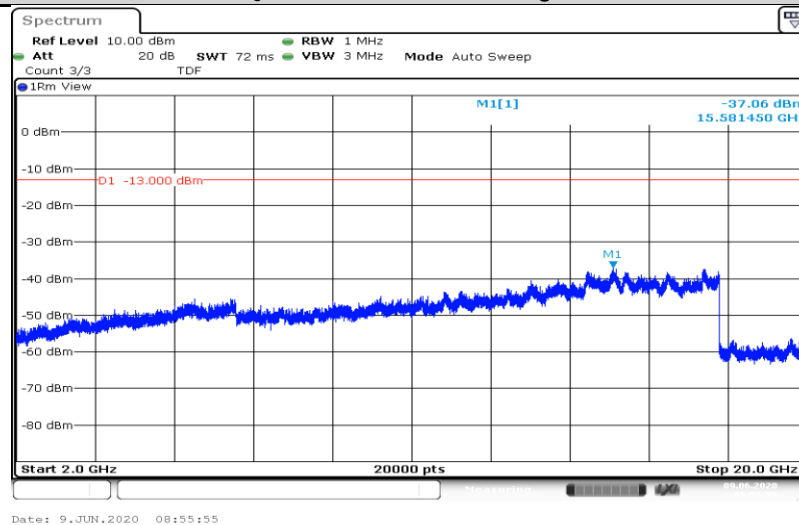
Band2-20MHz-16QAM-19100-1RB#0-Range1:30~1000MHz



Band2-20MHz-16QAM-19100-1RB#0-Range2:1000~2000MHz



Band2-20MHz-16QAM-19100-1RB#0-Range3:2000~20000MHz



6. Frequency Stability

6.1 Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	VL	NT	-5.81	-0.003124	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	-2.76	-0.001484	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	-9.60	-0.005161	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	13.33	0.007090	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	6.69	0.003559	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-3.18	-0.001691	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-4.62	-0.002432	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	10.13	0.005332	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-10.06	-0.005295	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	-20.89	-0.011231	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	5.44	0.002925	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	-17.72	-0.009527	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	5.31	0.002824	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	15.18	0.008074	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	13.75	0.007314	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-6.85	-0.003605	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	4.26	0.002242	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	6.58	0.003463	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	NV	-30	-10.76	-0.005785	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	-9.66	-0.005194	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	-11.36	-0.006108	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	-11.46	-0.006161	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	-12.16	-0.006538	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	-14.32	-0.007699	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	-12.95	-0.006962	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	-13.00	-0.006989	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	55	-11.63	-0.006253	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	10.54	0.005606	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-5.15	-0.002739	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	8.58	0.004564	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	14.66	0.007798	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	4.35	0.002314	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	10.97	0.005835	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-4.73	-0.002516	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	6.49	0.003452	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	55	13.23	0.007037	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-11.64	-0.006126	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	7.67	0.004037	±2.5	PASS

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Band2	20MHz	QPSK	19100	100RB#0	NV	0	3.55	0.001868	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-6.65	-0.003500	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-11.79	-0.006205	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-6.27	-0.003300	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-12.22	-0.006432	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	6.27	0.003300	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	55	-8.35	-0.004395	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	-14.76	-0.007935	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	-8.75	-0.004704	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	4.03	0.002167	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	-11.22	-0.006032	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	-4.68	-0.002516	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	-16.48	-0.008860	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	-6.08	-0.003269	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	-16.72	-0.008989	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	55	-7.20	-0.003871	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	7.61	0.004048	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-5.28	-0.002809	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	12.73	0.006771	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	6.18	0.003287	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-3.52	-0.001872	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	11.99	0.006378	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	5.94	0.003160	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-3.66	-0.001947	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	55	15.69	0.008346	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-5.69	-0.002995	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-10.26	-0.005400	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	6.68	0.003516	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-5.26	-0.002768	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	-10.43	-0.005489	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	5.44	0.002863	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-5.45	-0.002868	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-12.19	-0.006416	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	55	6.79	0.003574	±2.5	PASS