Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Gain (dB)	ERP (dBm)	Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.34	0.1	21.29	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#0	23.10	0.1	21.05	34.8	PASS
Band13	5MHz	64QAM	23205	1RB#0	22.45	0.1	20.4	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.41	0.1	21.36	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#12	23.26	0.1	21.21	34.8	PASS
Band13	5MHz	64QAM	23205	1RB#12	22.62	0.1	20.57	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.34	0.1	21.29	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#24	23.17	0.1	21.12	34.8	PASS
Band13	5MHz	64QAM	23205	1RB#24	22.51	0.1	20.46	34.8	PASS
Band13	5MHz	QPSK	23205	25RB#0	23.09	0.1	21.04	34.8	PASS
Band13	5MHz	16QAM	23205	25RB#0	22.10	0.1	20.05	34.8	PASS
Band13	5MHz	64QAM	23205	25RB#0	21.07	0.1	19.02	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.26	0.1	21.21	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#0	23.12	0.1	21.07	34.8	PASS
Band13	5MHz	64QAM	23230	1RB#0	22.46	0.1	20.41	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.35	0.1	21.3	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#12	23.24	0.1	21.19	34.8	PASS
Band13	5MHz	64QAM	23230	1RB#12	22.57	0.1	20.52	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.30	0.1	21.25	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#24	23.08	0.1	21.03	34.8	PASS
Band13	5MHz	64QAM	23230	1RB#24	21.91	0.1	19.86	34.8	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.97	0.1	20.92	34.8	PASS
Band13	5MHz	16QAM	23230	25RB#0	22.00	0.1	19.95	34.8	PASS
Band13	5MHz	64QAM	23230	25RB#0	21.01	0.1	18.96	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.30	0.1	21.25	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#0	23.12	0.1	21.07	34.8	PASS
Band13	5MHz	64QAM	23255	1RB#0	22.45	0.1	20.4	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.41	0.1	21.36	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#12	23.26	0.1	21.21	34.8	PASS
Band13	5MHz	64QAM	23255	1RB#12	22.58	0.1	20.53	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.29	0.1	21.24	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#24	23.15	0.1	21.1	34.8	PASS
Band13	5MHz	64QAM	23255	1RB#24	22.53	0.1	20.48	34.8	PASS
Band13	5MHz	QPSK	23255	25RB#0	23.05	0.1	21	34.8	PASS
Band13	5MHz	16QAM	23255	25RB#0	22.08	0.1	20.03	34.8	PASS

Band13	5MHz	64QAM	23255	25RB#0	21.14	0.1	19.09	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.21	0.1	21.16	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#0	23.02	0.1	20.97	34.8	PASS
Band13	10MHz	64QAM	23230	1RB#0	21.87	0.1	19.82	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.16	0.1	21.11	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.76	0.1	20.71	34.8	PASS
Band13	10MHz	64QAM	23230	1RB#24	21.73	0.1	19.68	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.22	0.1	21.17	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.84	0.1	20.79	34.8	PASS
Band13	10MHz	64QAM	23230	1RB#49	21.77	0.1	19.72	34.8	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.82	0.1	20.77	34.8	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.87	0.1	19.82	34.8	PASS
Band13	10MHz	64QAM	23230	50RB#0	20.87	0.1	18.82	34.8	PASS

Note : EIRP = Transmitter output power(dBm) + Gain(dBi);

ERP = EIRP - 2.15

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23230	25RB#0	5.07	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.84	13	PASS
Band13	5MHz	64QAM	23230	25RB#0	8.66	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.10	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.95	13	PASS
Band13	10MHz	64QAM	23230	50RB#0	6.80	13	PASS

Test Graphs

Band13-5MHz-QPSK-23230-25RB#0-PASS

Band13-5MHz-16QAM-23230-25RB#0-PASS

Band13-5MHz-64QAM-23230-25RB#0-PASS

Band13-10MHz-QPSK-23230-50RB#0-PASS

Band13-10MHz-16QAM-23230-50RB#0-PASS

Band13-10MHz-64QAM-23230-50RB#0-PASS

26dB Bandwidth and Occupied Bandwidth

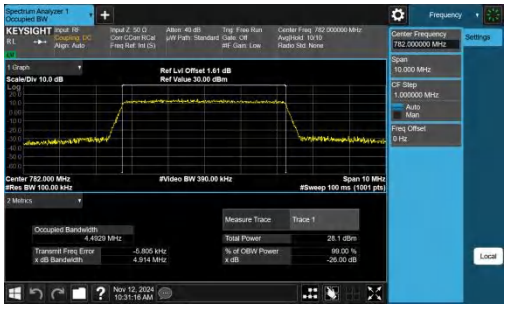
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23230	25RB#0	4.4887	4.908	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4922	4.957	PASS
Band13	5MHz	64QAM	23230	25RB#0	4.4929	4.914	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9387	9.809	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9359	9.728	PASS
Band13	10MHz	64QAM	23230	50RB#0	8.9120	9.729	PASS

Test Graphs

Band13-5MHz-QPSK-23230-25RB#0-PASS

Band13-5MHz-16QAM-23230-25RB#0-PASS



Band13-5MHz-64QAM-23230-25RB#0-PASS

Band13-10MHz-QPSK-23230-50RB#0-PASS

Band13-10MHz-16QAM-23230-50RB#0-PASS

Band13-10MHz-64QAM-23230-50RB#0-PASS

Band Edge

Test Graphs

Band13-5MHz-QPSK-23205-1RB#0-PASS

Band13-5MHz-QPSK-23205-1RB#24-PASS

Band13-5MHz-QPSK-23205-25RB#0-PASS

Band13-5MHz-QPSK-23255-1RB#0-PASS

Band13-5MHz-QPSK-23255-1RB#24-PASS

Band13-5MHz-QPSK-23255-25RB#0-PASS

Band13-10MHz-QPSK-23230-1RB#0-PASS

Band13-10MHz-QPSK-23230-1RB#49-PASS

Band13-10MHz-QPSK-23230-50RB#0-PASS	

Conducted Spurious Emission

Test Graphs

Band13-5MHz-QPSK-23205-1RB#0-0.009~0.15-PASS

Band13-5MHz-QPSK-23205-1RB#0-0.15~30-PASS

Band13-5MHz-QPSK-23205-1RB#0-30~1000-PASS

Band13-5MHz-QPSK-23205-1RB#0-1000~3000-PASS

Band13-5MHz-QPSK-23205-1RB#0-3000~10000-PASS

Band13-5MHz-QPSK-23205-1RB#0-1559~1610-PASS

Band13-5MHz-QPSK-23205-1RB#24-0.009~0.15-PASS

Band13-5MHz-QPSK-23205-1RB#24-0.15~30-PASS

Band13-5MHz-QPSK-23205-1RB#24-30~1000-PASS

Band13-5MHz-QPSK-23205-1RB#24-1000~3000-PASS

Band13-5MHz-QPSK-23205-1RB#24-3000~10000-PASS

Band13-5MHz-QPSK-23205-1RB#24-1559~1610-PASS

Band13-5MHz-QPSK-23230-1RB#0-0.009~0.15-PASS

Band13-5MHz-QPSK-23230-1RB#0-0.15~30-PASS

Band13-5MHz-QPSK-23230-1RB#0-30~1000-PASS

Band13-5MHz-QPSK-23230-1RB#0-1000~3000-PASS

Band13-5MHz-QPSK-23230-1RB#0-3000~10000-PASS

Band13-5MHz-QPSK-23230-1RB#0-1559~1610-PASS

Band13-5MHz-QPSK-23230-1RB#24-0.009~0.15-PASS

Band13-5MHz-QPSK-23230-1RB#24-0.15~30-PASS

Band13-5MHz-QPSK-23230-1RB#24-30~1000-PASS

Band13-5MHz-QPSK-23230-1RB#24-1000~3000-PASS

Band13-5MHz-QPSK-23230-1RB#24-3000~10000-PASS

Band13-5MHz-QPSK-23230-1RB#24-1559~1610-PASS

Band13-5MHz-QPSK-23255-1RB#0-0.009~0.15-PASS

Band13-5MHz-QPSK-23255-1RB#0-0.15~30-PASS

Band13-5MHz-QPSK-23255-1RB#0-30~1000-PASS

Band13-5MHz-QPSK-23255-1RB#0-1000~3000-PASS

Band13-5MHz-QPSK-23255-1RB#0-3000~10000-PASS

Band13-5MHz-QPSK-23255-1RB#0-1559~1610-PASS

Band13-5MHz-QPSK-23255-1RB#24-0.009~0.15-PASS

Band13-5MHz-QPSK-23255-1RB#24-0.15~30-PASS

Band13-5MHz-QPSK-23255-1RB#24-30~1000-PASS

Band13-5MHz-QPSK-23255-1RB#24-1000~3000-PASS

Band13-5MHz-QPSK-23255-1RB#24-3000~10000-PASS

Band13-5MHz-QPSK-23255-1RB#24-1559~1610-PASS

Band13-10MHz-QPSK-23230-1RB#0-0.009~0.15-PASS

Band13-10MHz-QPSK-23230-1RB#0-0.15~30-PASS

Band13-10MHz-QPSK-23230-1RB#0-30~1000-PASS

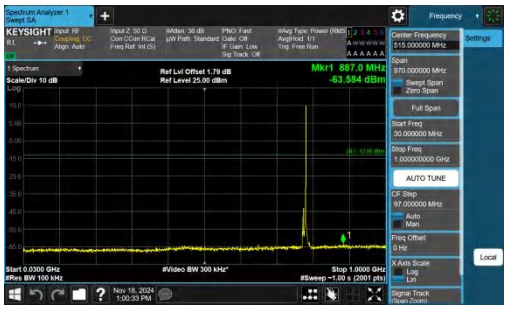
Band13-10MHz-QPSK-23230-1RB#0-1000~3000-PASS

Band13-10MHz-QPSK-23230-1RB#0-3000~10000-PASS

Band13-10MHz-QPSK-23230-1RB#0-1559~1610-PASS

Band13-10MHz-QPSK-23230-1RB#49-0.009~0.15-PASS

Band13-10MHz-QPSK-23230-1RB#49-0.15~30-PASS



Band13-10MHz-QPSK-23230-1RB#49-30~1000-PASS

Band13-10MHz-QPSK-23230-1RB#49-1000~3000-PASS

Band13-10MHz-QPSK-23230-1RB#49-3000~10000-PASS

Band13-10MHz-QPSK-23230-1RB#49-1559~1610-PASS

Frequency Stability

Test Result

Voltage													
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band 13	10MHz	QPSK	23230	50RB#0	VN	NT	20000.00	25.575448	±NA	777.5677	786.4723	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VL	NT	18600.00	23.785166	±NA	777.56375	786.47345	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VH	NT	16910.00	21.624041	±NA	777.56236	786.47146	777-787	PASS

Temperature													
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	19620.00	25.089514	±NA	777.56592	786.47332	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	14930.00	19.092072	±NA	777.56648	786.46338	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	16700.00	21.355499	±NA	777.5637	786.4697	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	15630.00	19.987212	±NA	777.56583	786.46543	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	16740.00	21.406650	±NA	777.56459	786.46889	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	18930.00	24.207161	±NA	777.56988	786.46798	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	19070.00	24.386189	±NA	777.56992	786.46822	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	16130.00	20.626598	±NA	777.56363	786.46863	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	16680.00	21.329923	±NA	777.56068	786.47268	777-787	PASS

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