

Appendix-B WCDMA

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band II	9262	23.63	24.61	33	PASS
Band II	9400	23.36	24.34	33	PASS
Band II	9538	23.38	24.36	33	PASS
Band IV	1312	23.38	25.38	30	PASS
Band IV	1413	23.37	25.37	30	PASS
Band IV	1513	23.41	25.41	30	PASS

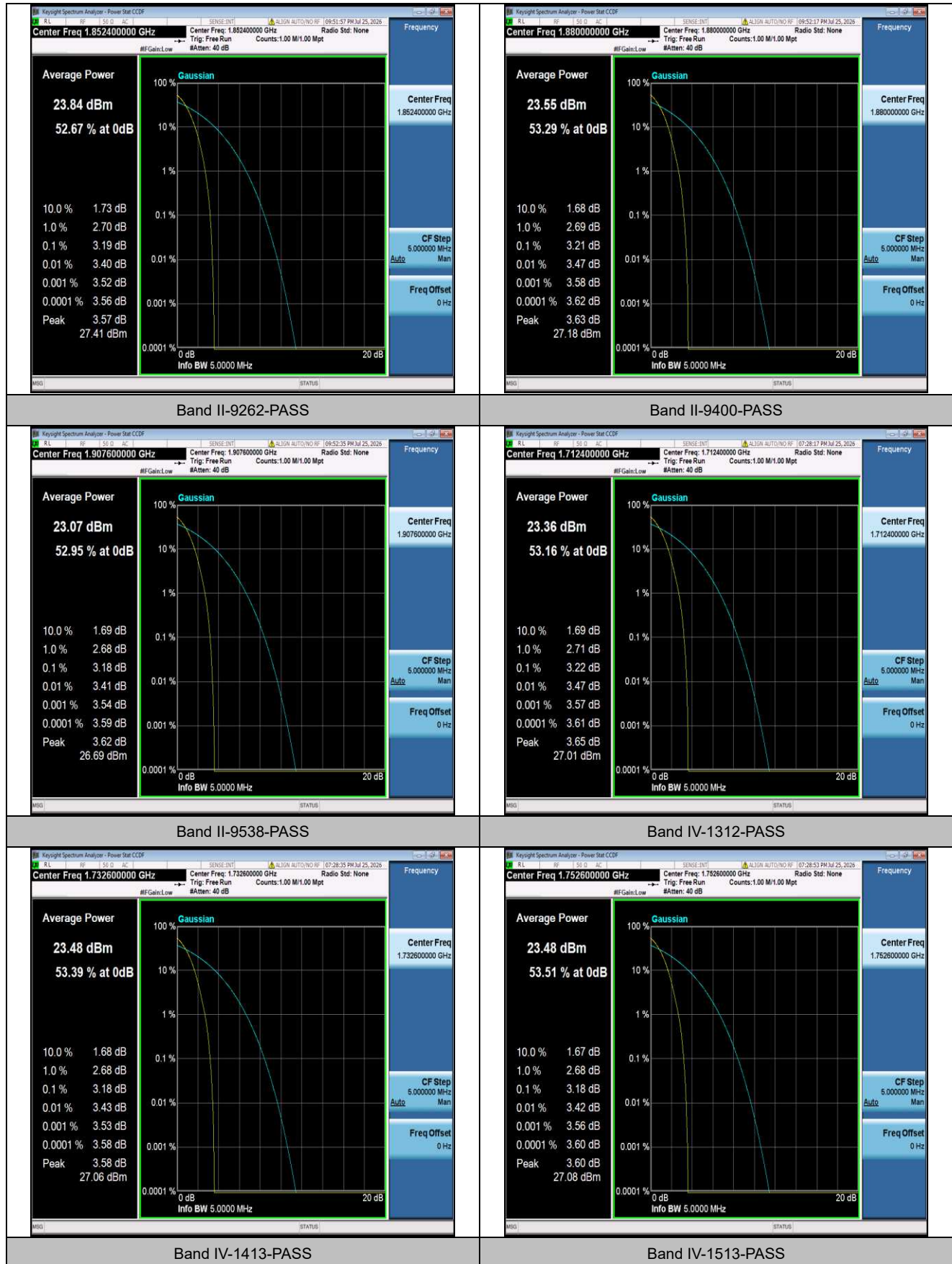
Band	Channel	Power(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band V	4132	23.70	24.05	38.45	PASS
Band V	4182	23.57	23.92	38.45	PASS
Band V	4233	23.75	24.1	38.45	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band II	9262	3.19	13	PASS
Band II	9400	3.21	13	PASS
Band II	9538	3.18	13	PASS
Band IV	1312	3.22	13	PASS
Band IV	1413	3.18	13	PASS
Band IV	1513	3.18	13	PASS
Band V	4132	3.16	13	PASS
Band V	4182	3.2	13	PASS
Band V	4233	3.2	13	PASS

Test Graphs





Band V-4132-PASS



Band V-4182-PASS



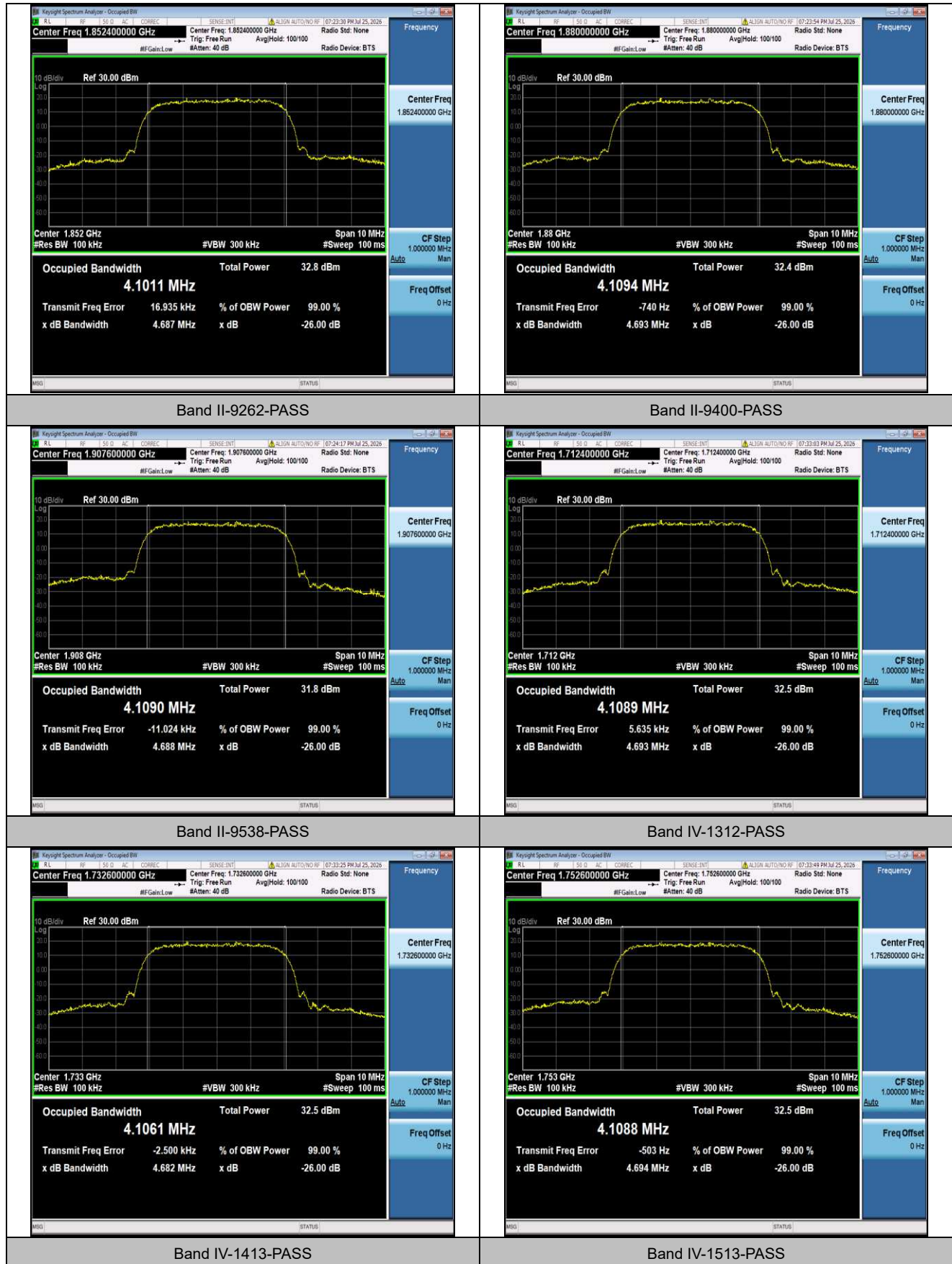
Band V-4233-PASS

26dB Bandwidth and Occupied Bandwidth

Test Result

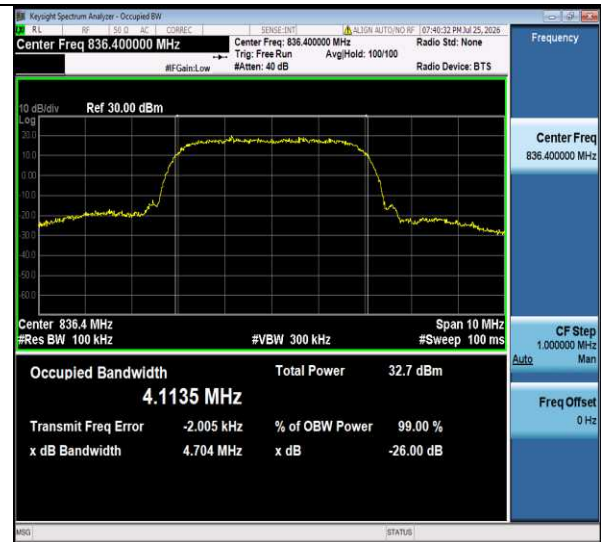
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band II	9262	4.1011	4.687	---	PASS
Band II	9400	4.1094	4.693	---	PASS
Band II	9538	4.1090	4.688	---	PASS
Band IV	1312	4.1089	4.693	---	PASS
Band IV	1413	4.1061	4.682	---	PASS
Band IV	1513	4.1088	4.694	---	PASS
Band V	4132	4.1089	4.681	---	PASS
Band V	4182	4.1135	4.704	---	PASS
Band V	4233	4.1149	4.687	---	PASS

Test Graphs





Band V-4132-PASS



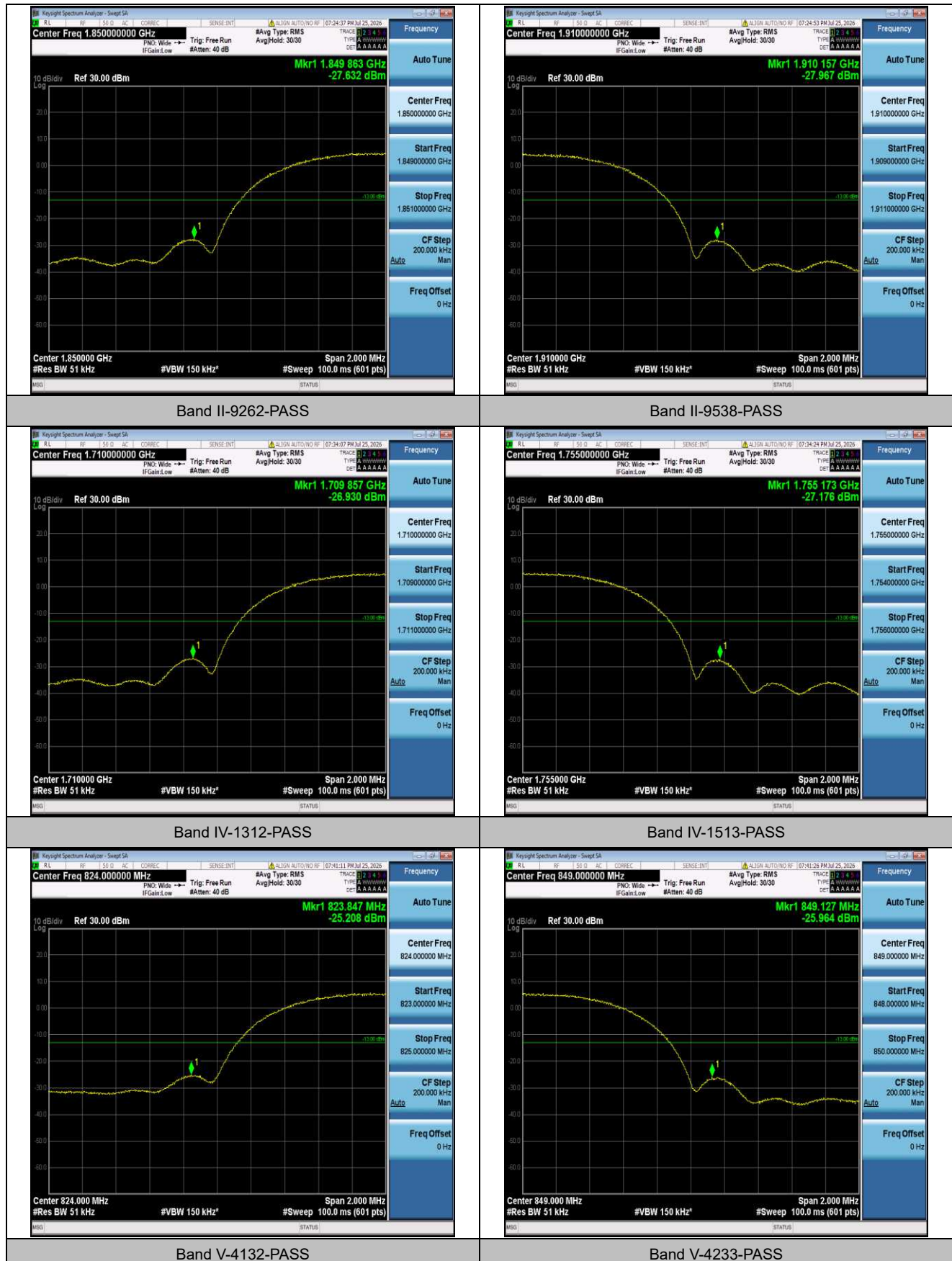
Band V-4182-PASS



Band V-4233-PASS

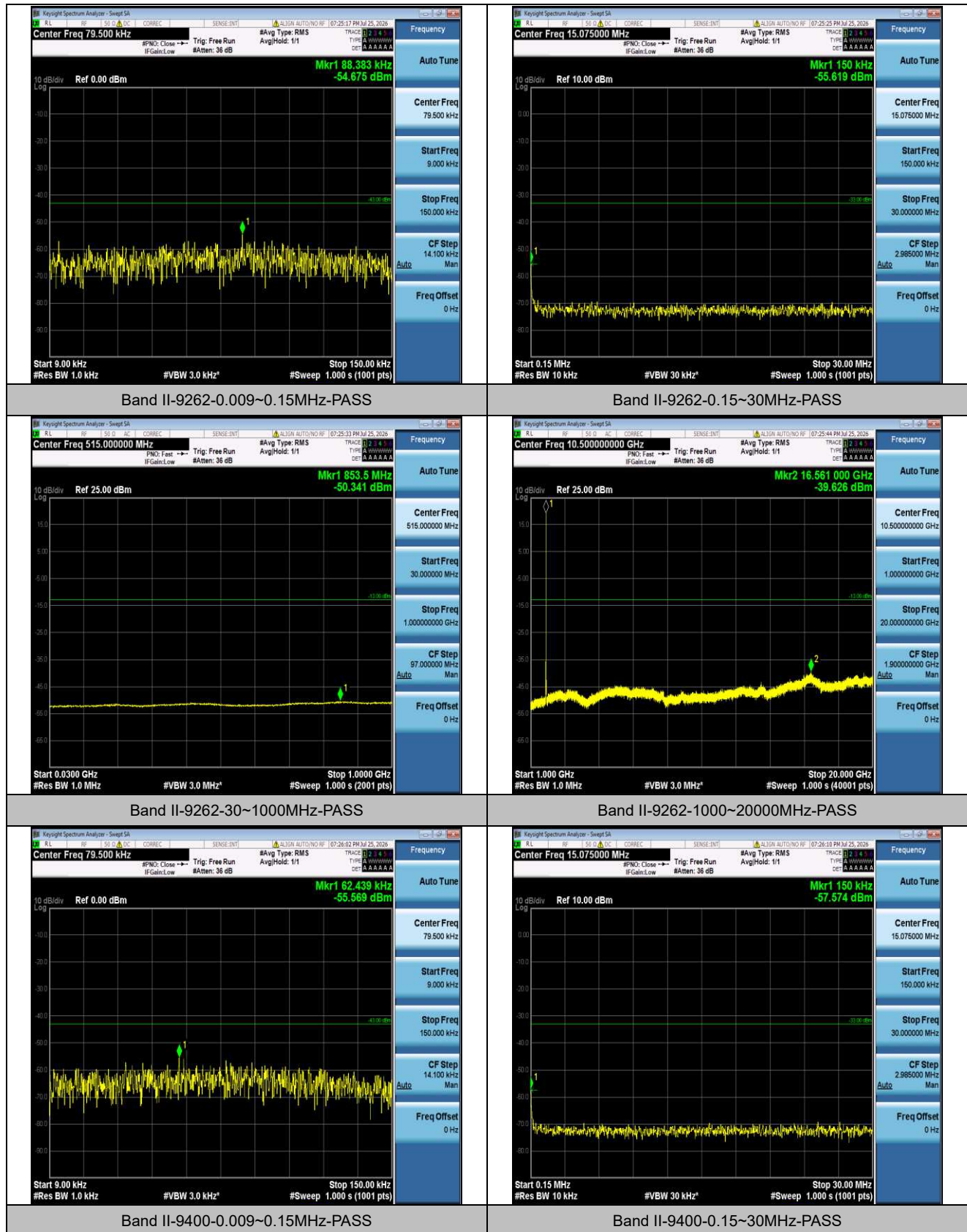
Band Edge

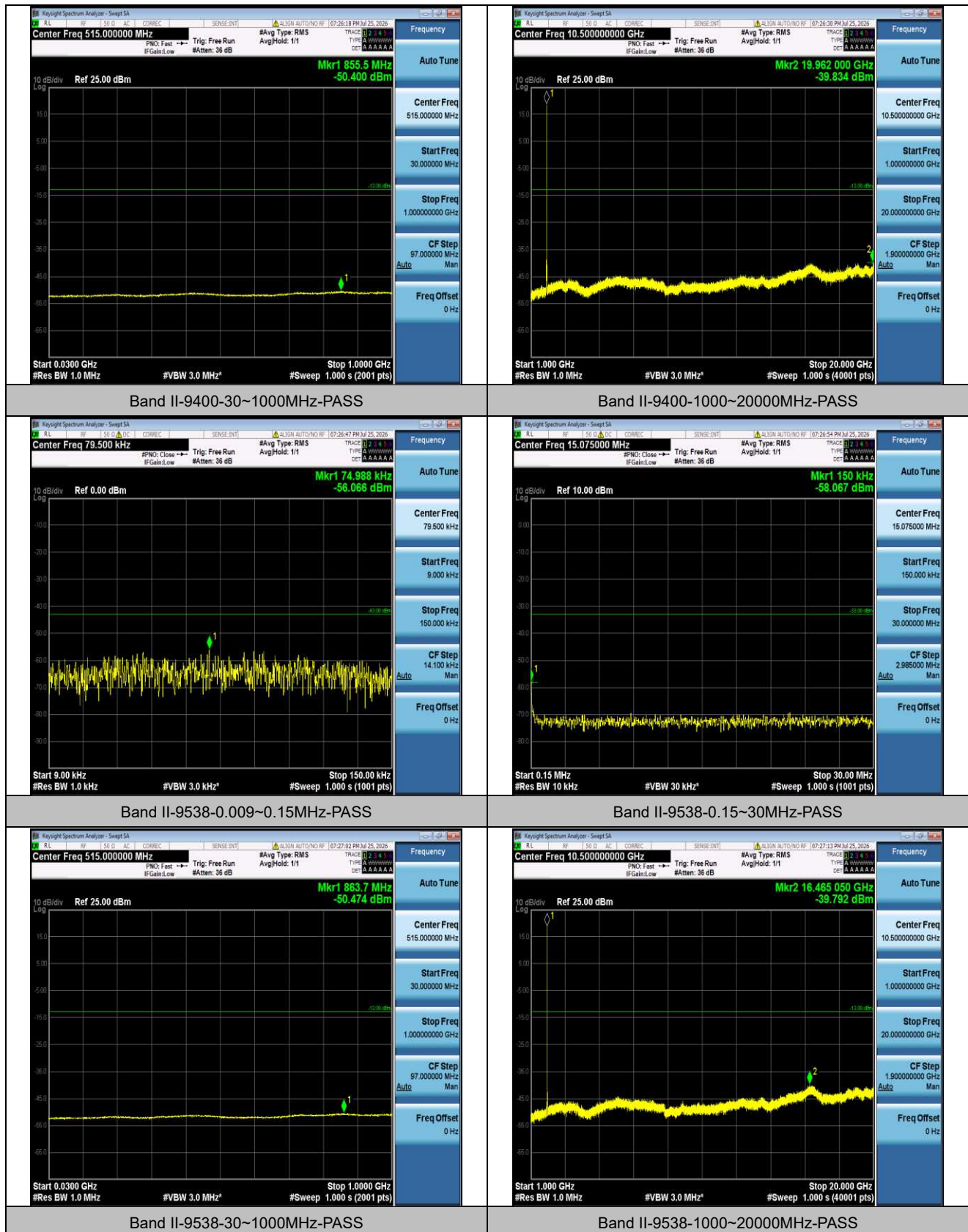
Test Graphs

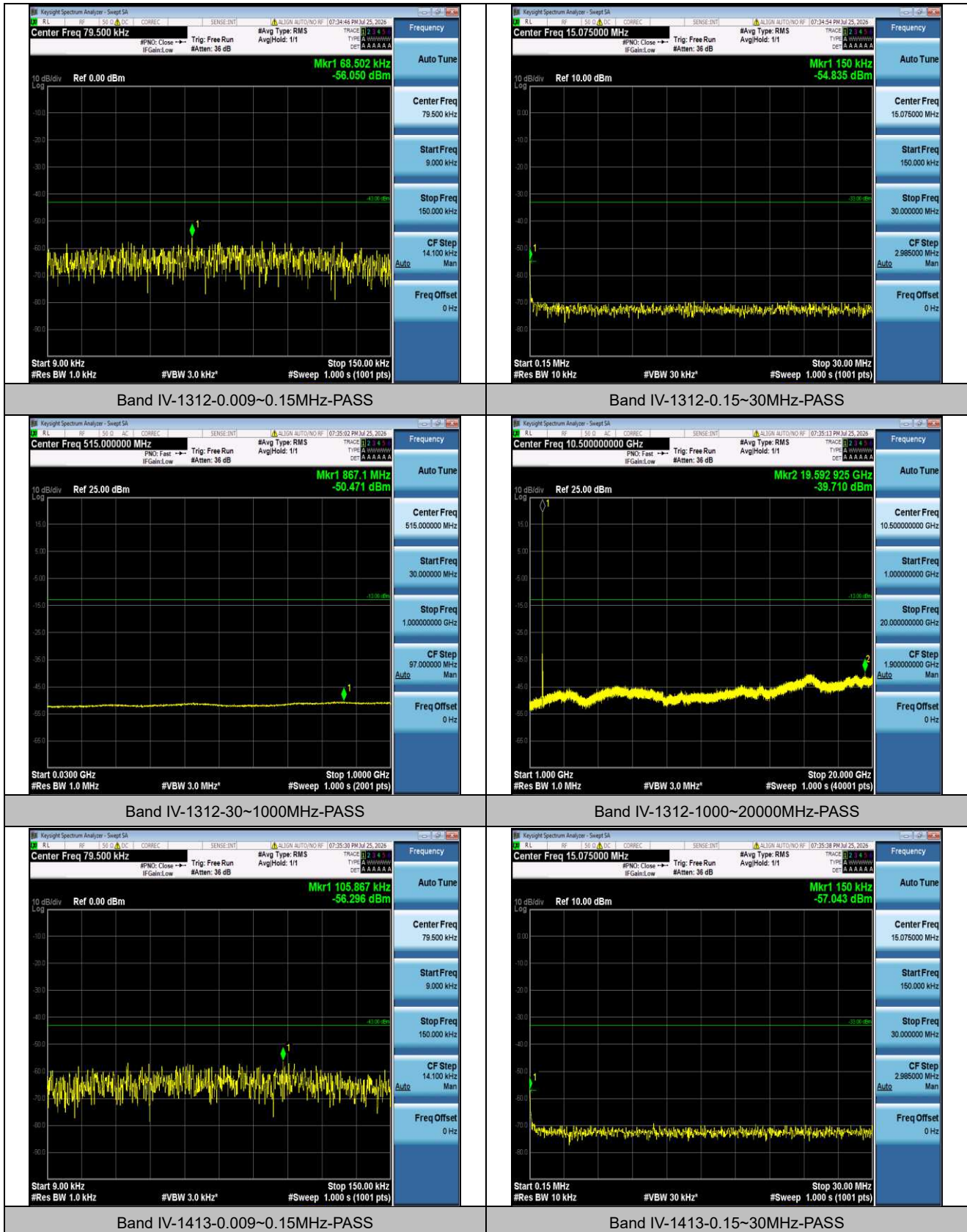


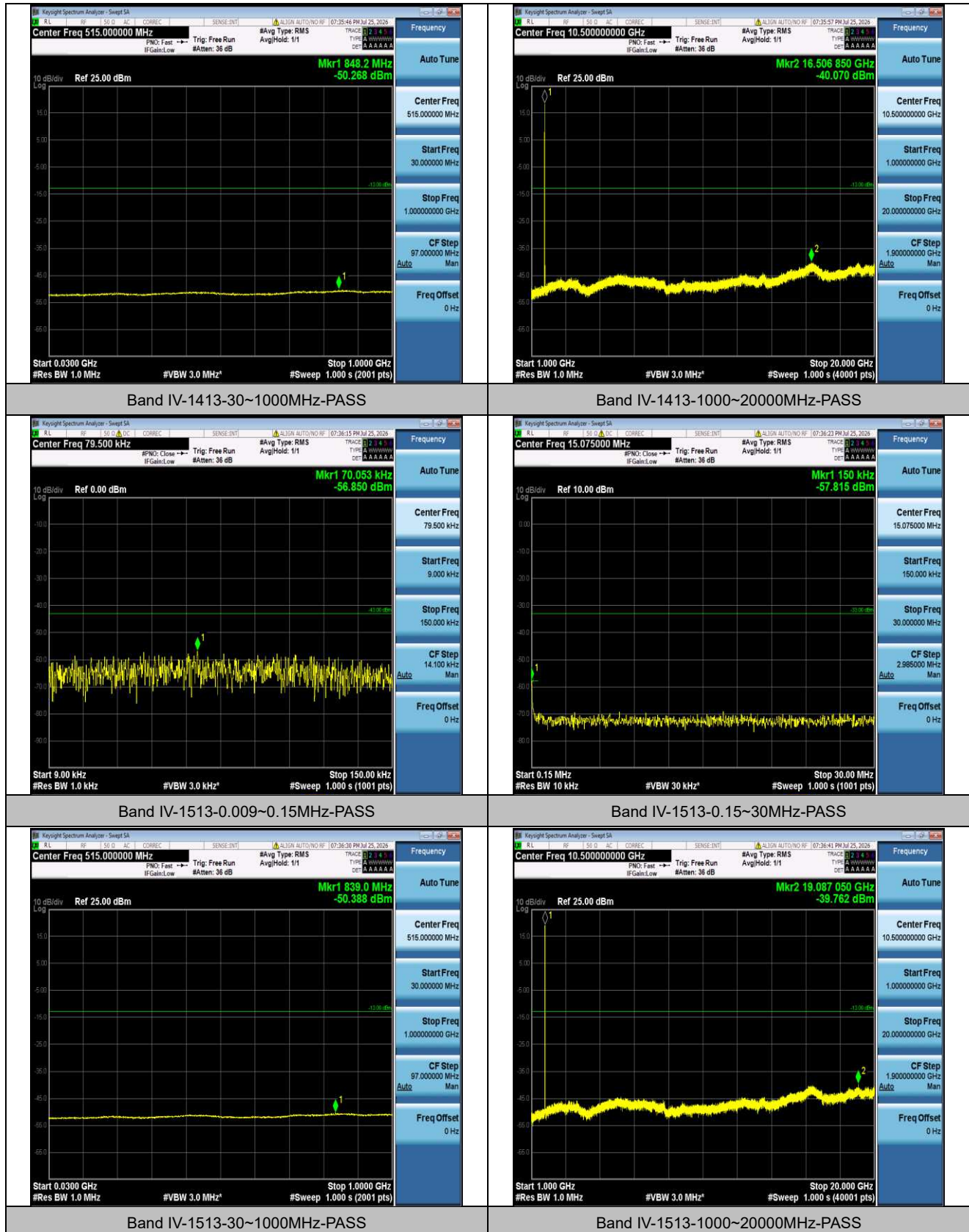
Conducted Spurious Emission

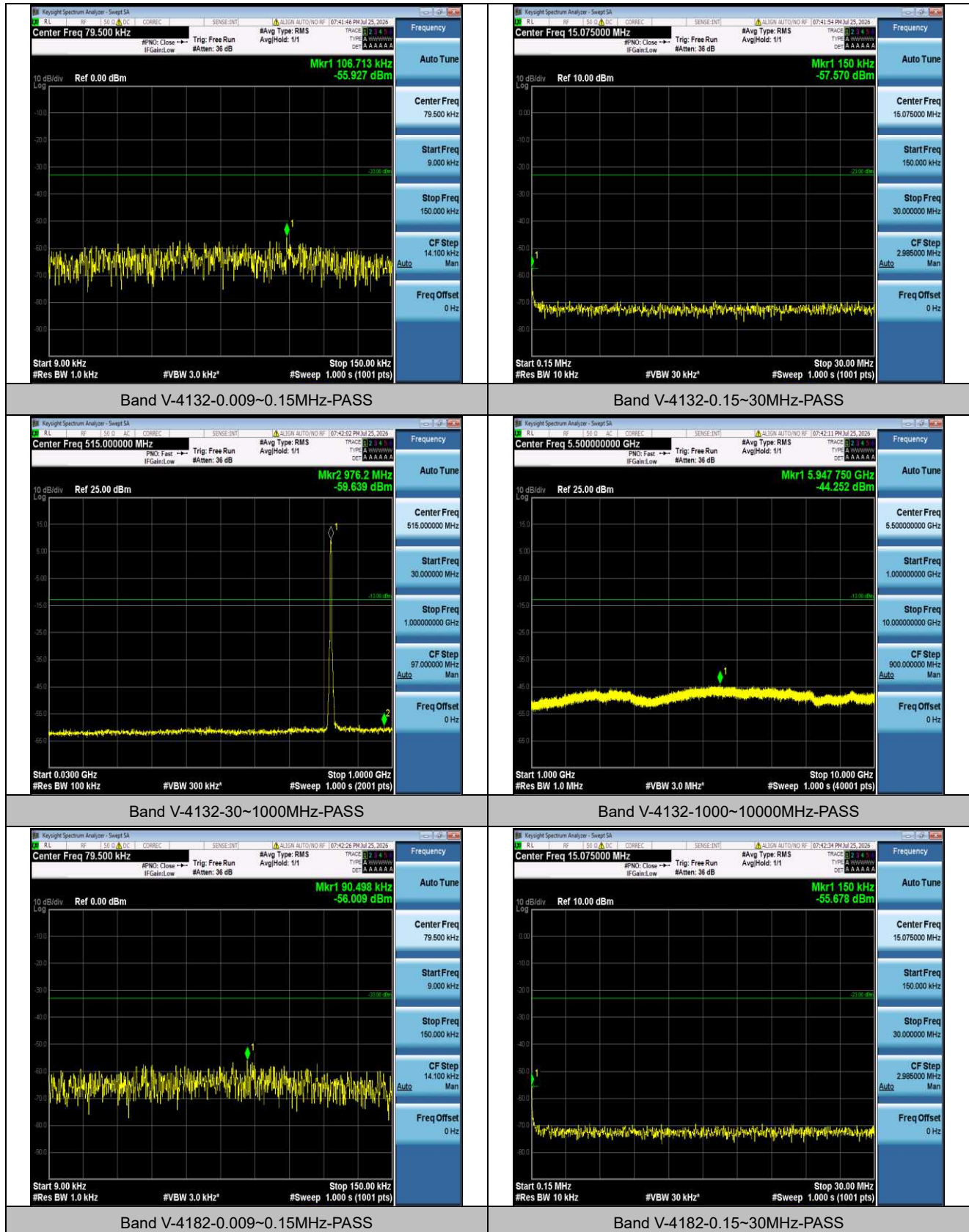
Test Graphs

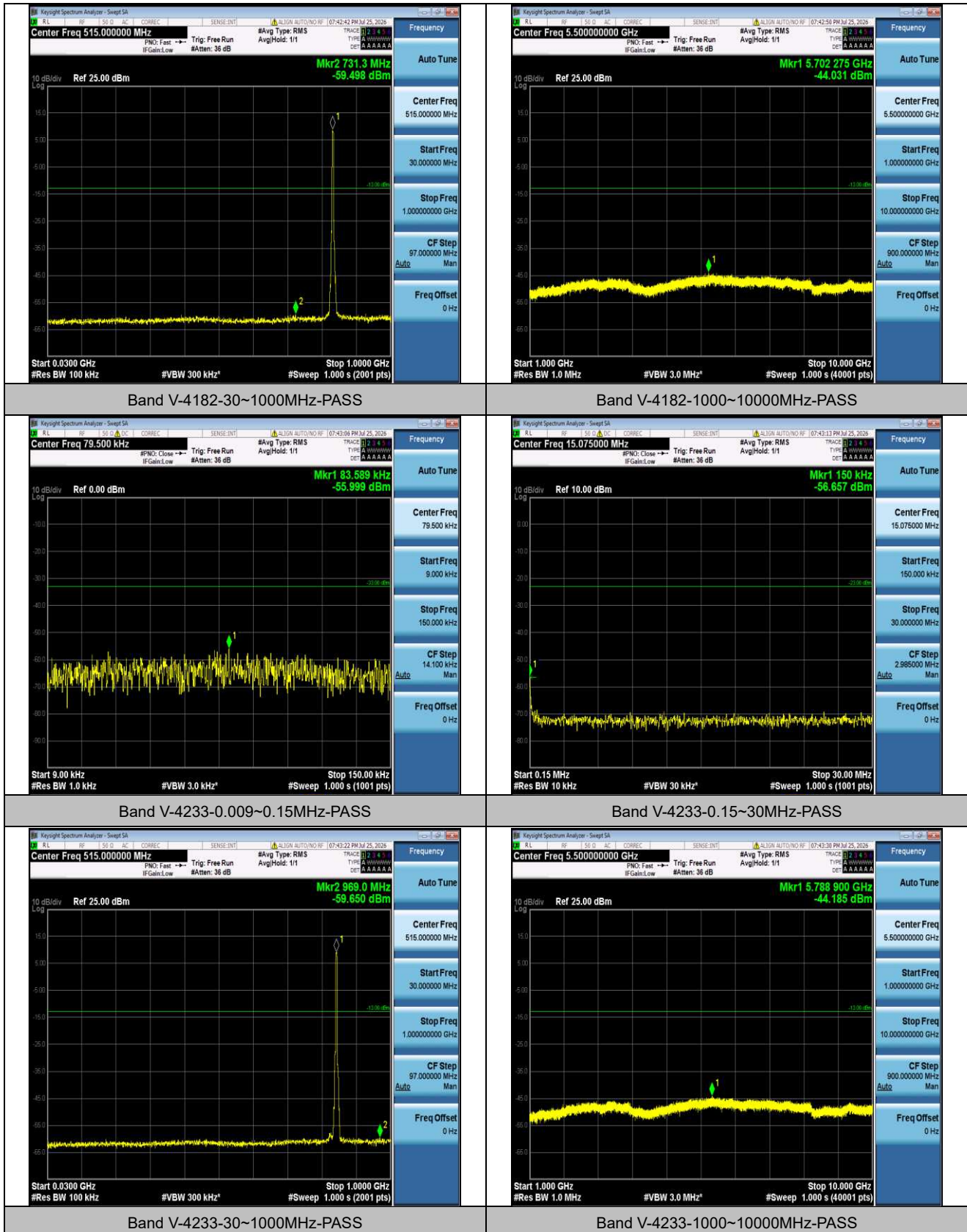












Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9400	VL	NT	3220.00	1.712766	--	PASS
Band II	9400	VH	NT	-4660.00	-2.478723	--	PASS
Band II	9400	VN	NT	-3120.00	-1.659574	--	PASS
Band IV	1413	VN	NT	740.00	0.427104	--	PASS
Band IV	1413	VL	NT	-2930.00	-1.691100	--	PASS
Band IV	1413	VH	NT	-3550.00	-2.048944	--	PASS
Band V	4182	VN	NT	-0.11	-0.000132	±2.5	PASS
Band V	4182	VL	NT	-0.52	-0.000622	±2.5	PASS
Band V	4182	VH	NT	-0.41	-0.000490	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9400	NV	-30	-670.00	-0.356383	--	PASS
Band II	9400	NV	-20	-3490.00	-1.856383	--	PASS
Band II	9400	NV	-10	320.00	0.170213	--	PASS
Band II	9400	NV	0	-2170.00	-1.154255	--	PASS
Band II	9400	NV	10	-680.00	-0.361702	--	PASS
Band II	9400	NV	20	1070.00	0.569149	--	PASS
Band II	9400	NV	30	-460.00	-0.244681	--	PASS
Band II	9400	NV	40	-2870.00	-1.526596	--	PASS
Band II	9400	NV	50	-2540.00	-1.351064	--	PASS
Band IV	1413	NV	-30	-5580.00	-3.220593	--	PASS
Band IV	1413	NV	-20	-940.00	-0.542537	--	PASS
Band IV	1413	NV	-10	-3520.00	-2.031629	--	PASS
Band IV	1413	NV	0	-3490.00	-2.014314	--	PASS
Band IV	1413	NV	10	-1780.00	-1.027358	--	PASS
Band IV	1413	NV	20	-2490.00	-1.437146	--	PASS
Band IV	1413	NV	30	-2910.00	-1.679557	--	PASS
Band IV	1413	NV	40	-1850.00	-1.067759	--	PASS
Band IV	1413	NV	50	-7020.00	-4.051714	--	PASS
Band V	4182	NV	-30	-0.37	-0.000442	±2.5	PASS
Band V	4182	NV	-20	-0.24	-0.000287	±2.5	PASS
Band V	4182	NV	-10	-0.22	-0.000263	±2.5	PASS
Band V	4182	NV	0	-0.24	-0.000287	±2.5	PASS
Band V	4182	NV	10	-0.25	-0.000299	±2.5	PASS
Band V	4182	NV	20	-0.14	-0.000167	±2.5	PASS
Band V	4182	NV	30	-0.07	-0.000084	±2.5	PASS

Band V	4182	NV	40	-0.13	-0.000155	±2.5	PASS
Band V	4182	NV	50	-0.06	-0.000072	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9400	NV	-35	24.77	0.013178	--	PASS
Band II	9400	NV	60	20.67	0.010996	--	PASS
Band II	9400	NV	70	-31.93	-0.016984	--	PASS
Band II	9400	NV	75	-11.46	-0.006097	--	PASS
Band IV	1413	NV	-35	-36.74	-0.021207	--	PASS
Band IV	1413	NV	60	-13.40	-0.007734	--	PASS
Band IV	1413	NV	70	-47.29	-0.027297	--	PASS
Band IV	1413	NV	75	3.53	0.002037	--	PASS
Band V	4182	NV	-35	45.56	0.005447	±2.5	PASS
Band V	4182	NV	60	-12.62	-0.001509	±2.5	PASS
Band V	4182	NV	70	5.83	0.000697	±2.5	PASS
Band V	4182	NV	75	38.80	0.004639	±2.5	PASS
Remark: Test the data at temperatures exceeding the standard limit as required by the manufacturer.							

~The End~