

Appendix-A WCDMA

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band II	9262	23.38	24.97	33	PASS
Band II	9400	23.32	24.91	33	PASS
Band II	9538	23.37	24.96	33	PASS
Band IV	1312	23.67	25.67	30	PASS
Band IV	1413	23.50	25.50	30	PASS
Band IV	1513	23.47	25.47	30	PASS

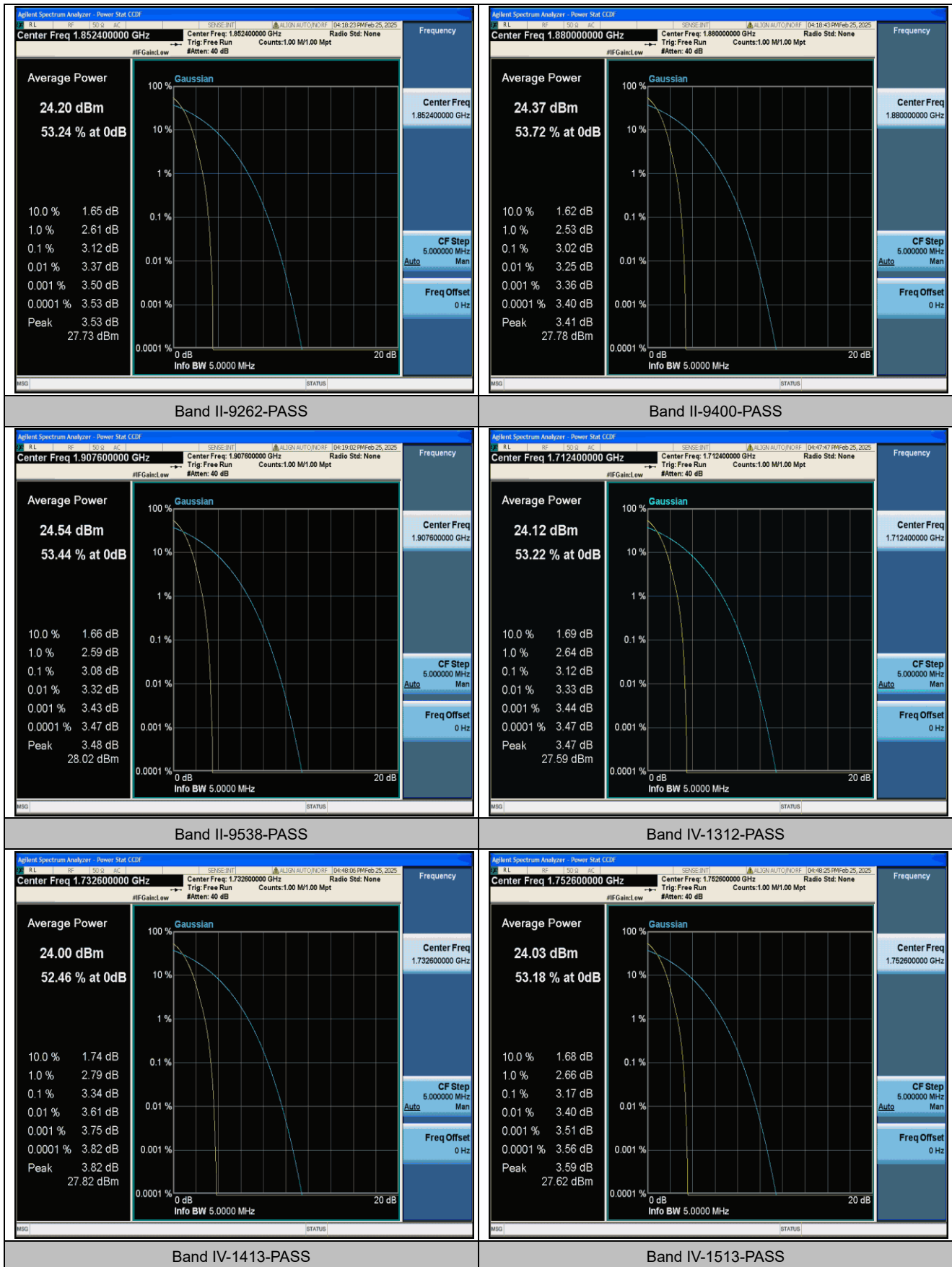
Band	Channel	Power(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band V	4132	23.38	23.36	38.45	PASS
Band V	4182	23.18	23.16	38.45	PASS
Band V	4233	23.32	23.30	38.45	PASS

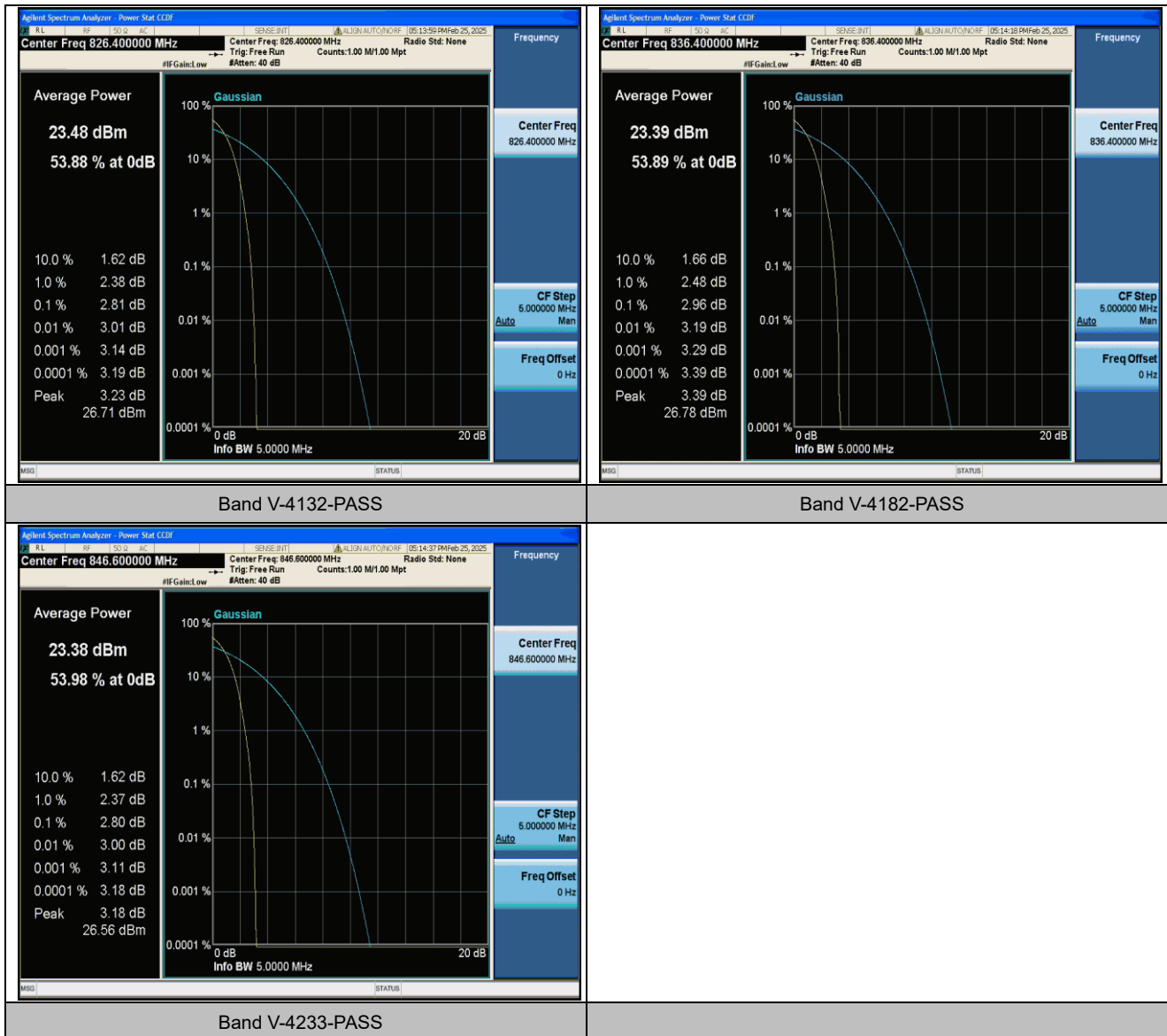
Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band II	9262	3.12	13	PASS
Band II	9400	3.02	13	PASS
Band II	9538	3.08	13	PASS
Band IV	1312	3.12	13	PASS
Band IV	1413	3.34	13	PASS
Band IV	1513	3.17	13	PASS
Band V	4132	2.81	13	PASS
Band V	4182	2.96	13	PASS
Band V	4233	2.80	13	PASS

Test Graphs



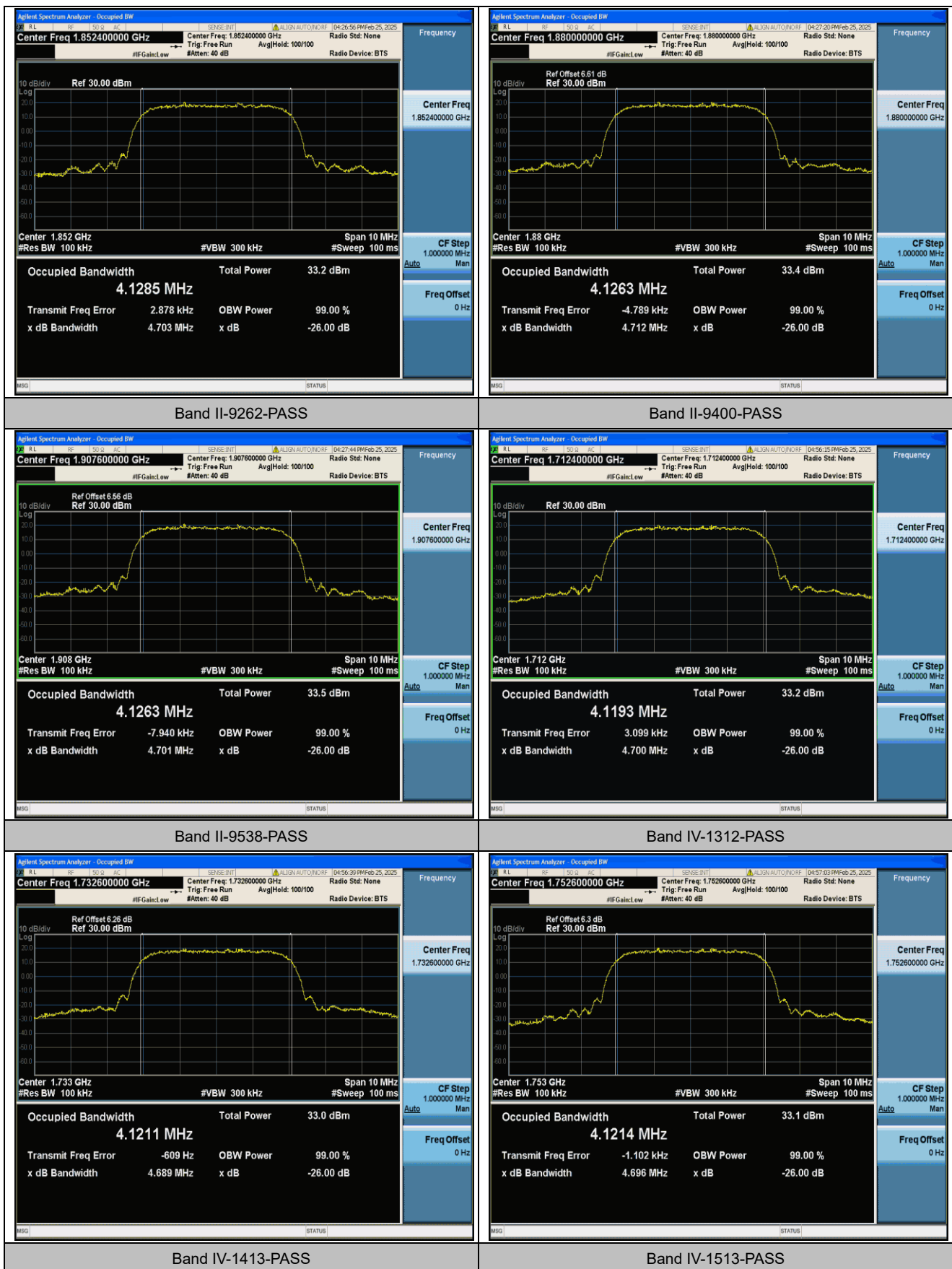


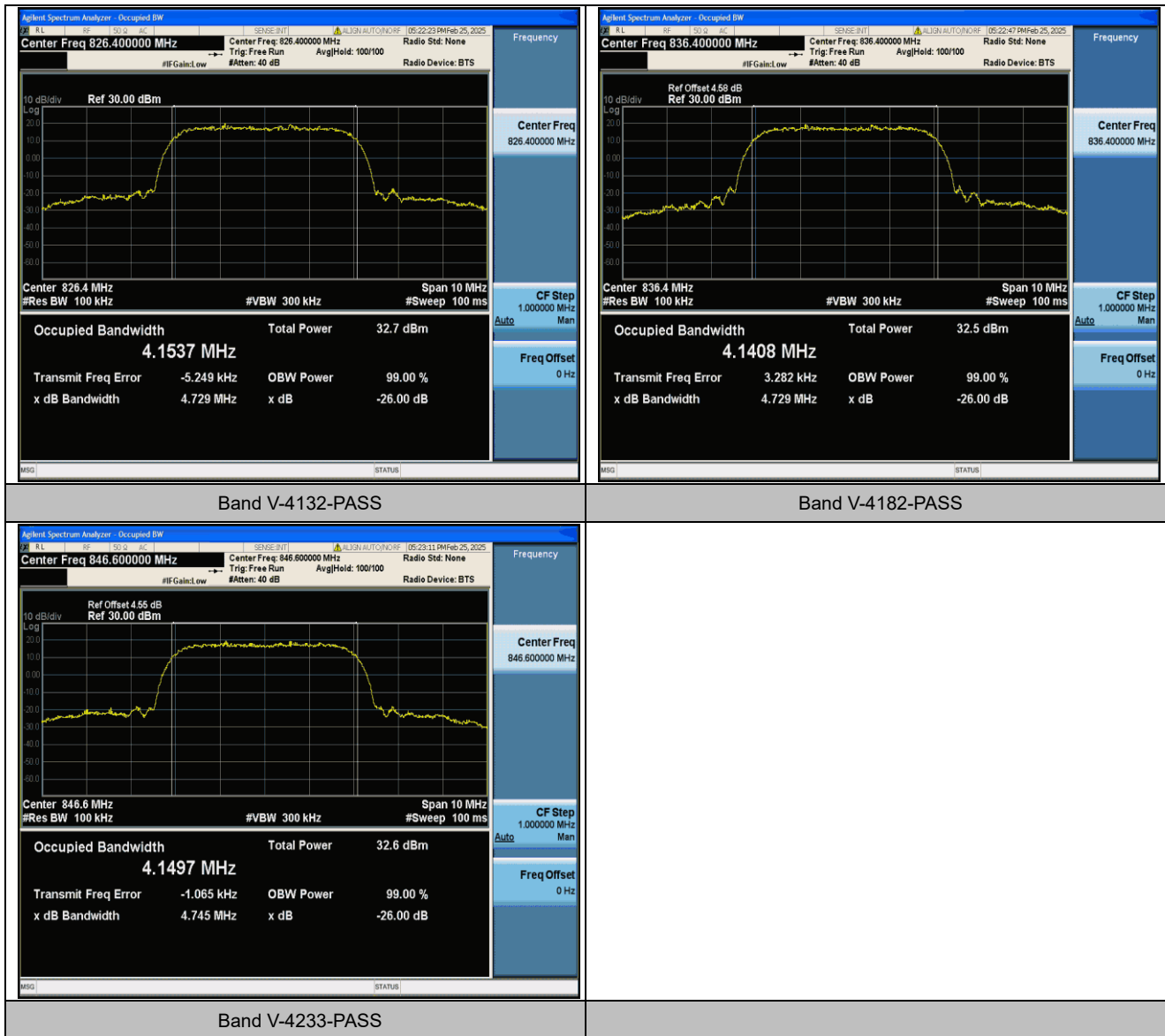
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band II	9262	4.1285	4.703	---	PASS
Band II	9400	4.1263	4.712	---	PASS
Band II	9538	4.1263	4.701	---	PASS
Band IV	1312	4.1193	4.700	---	PASS
Band IV	1413	4.1211	4.689	---	PASS
Band IV	1513	4.1214	4.696	---	PASS
Band V	4132	4.1537	4.729	---	PASS
Band V	4182	4.1408	4.729	---	PASS
Band V	4233	4.1497	4.745	---	PASS

Test Graphs





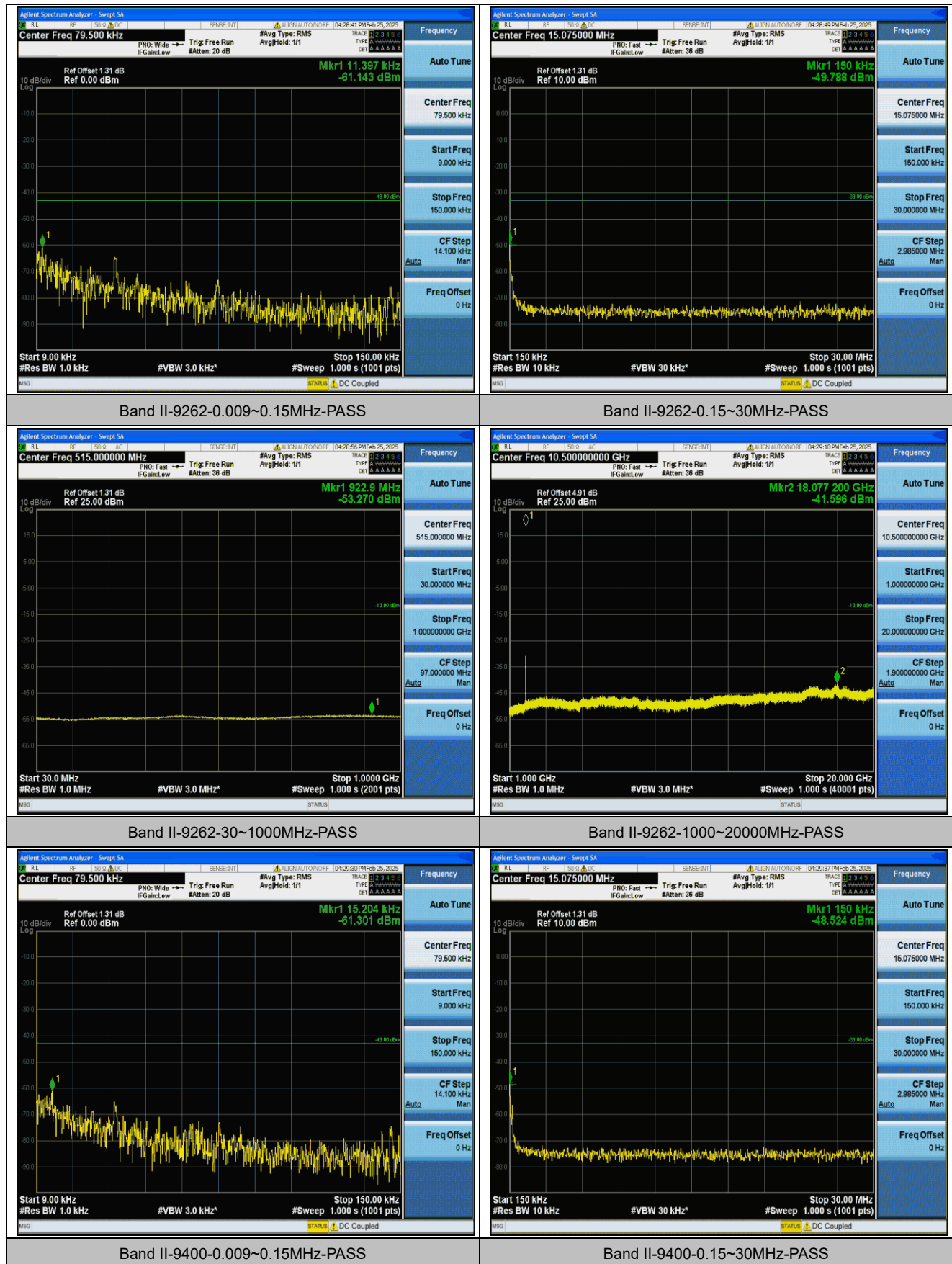
Band Edge

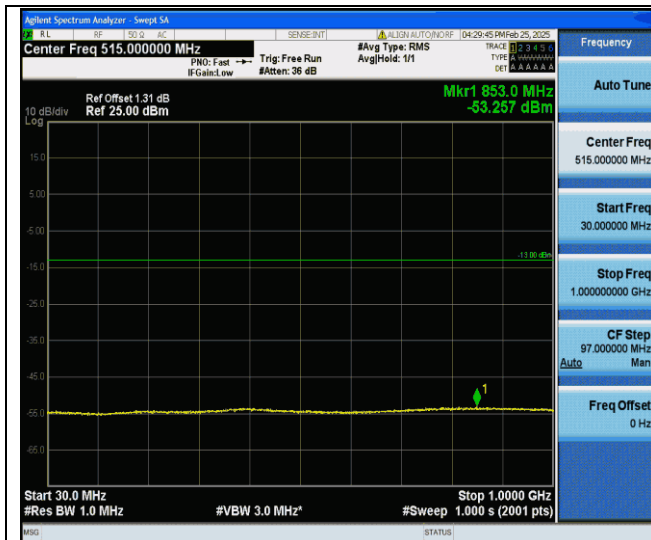
Test Graphs



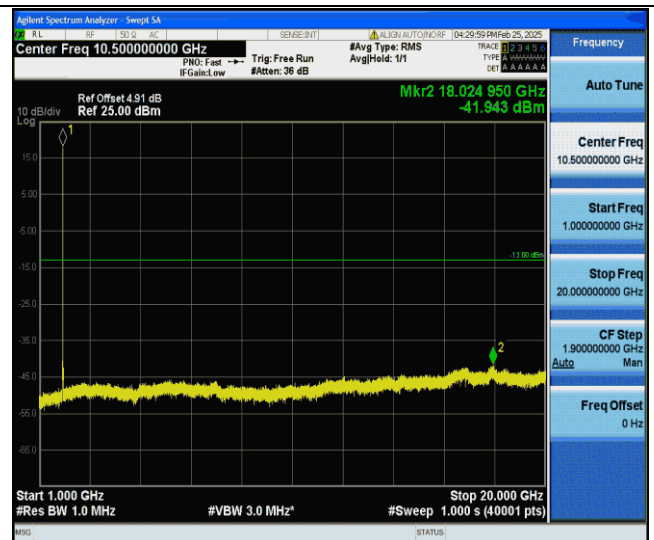
Conducted Spurious Emission

Test Graphs

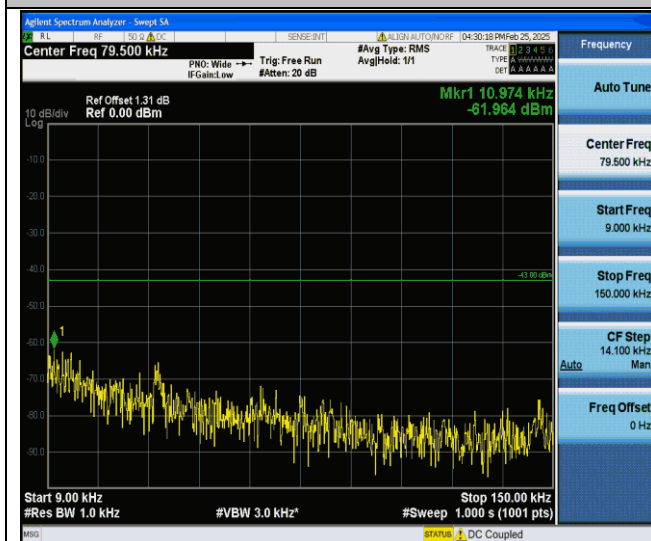




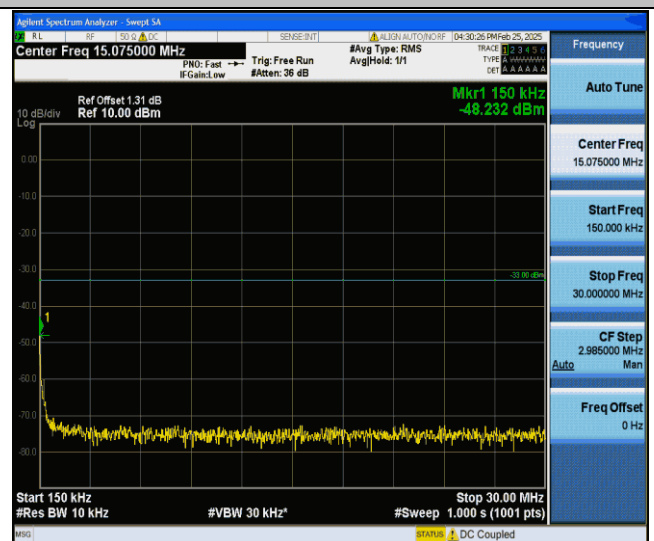
Band II-9400-30~1000MHz-PASS



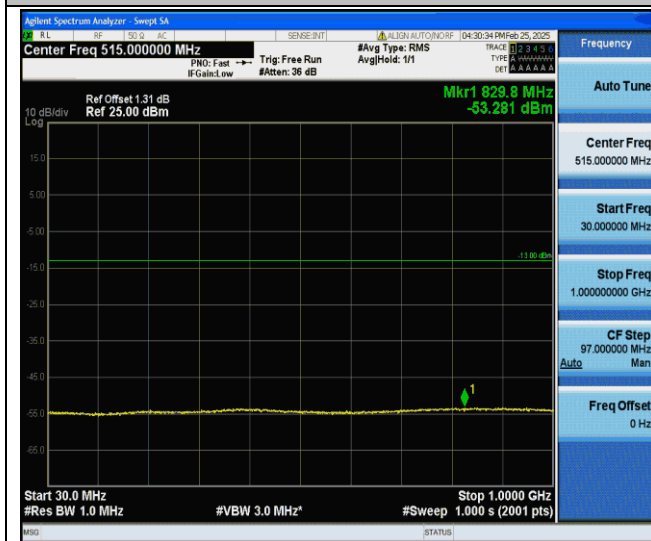
Band II-9400-1000~20000MHz-PASS



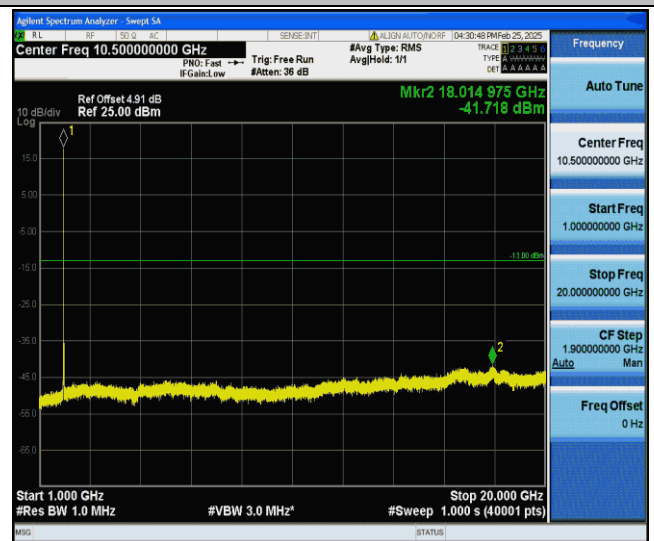
Band II-9538-0.009~0.15MHz-PASS



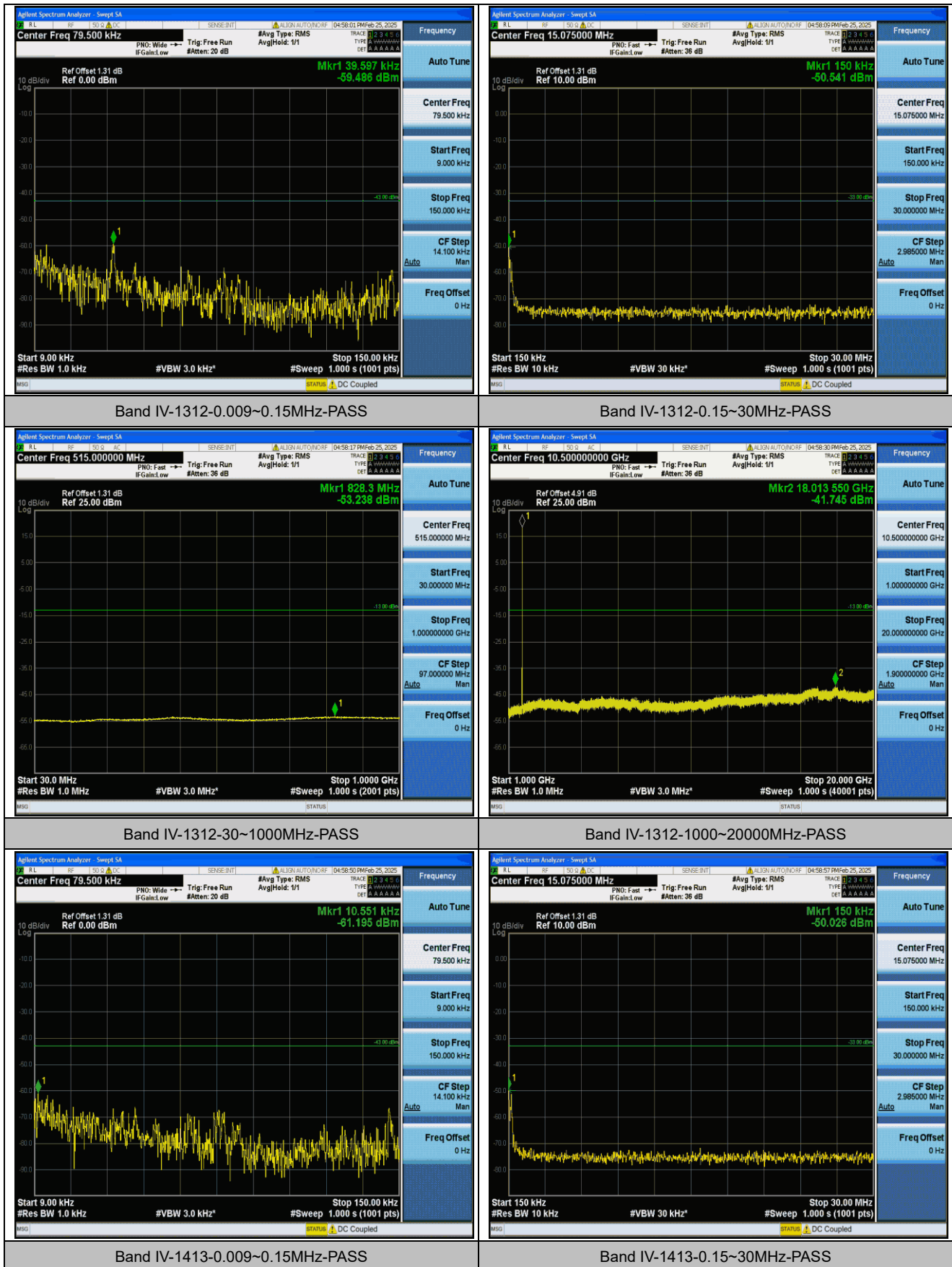
Band II-9538-0.15~30MHz-PASS

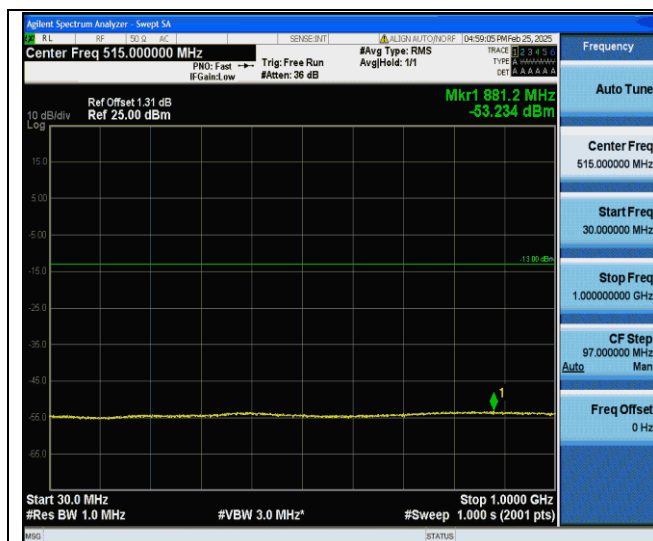


Band II-9538-30~1000MHz-PASS

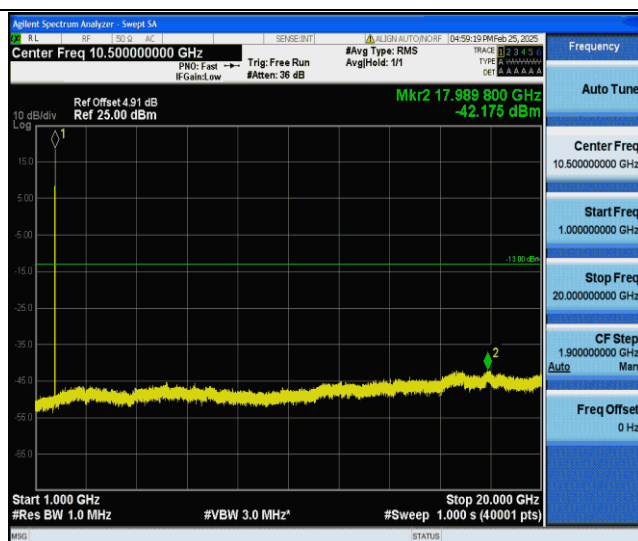


Band II-9538-1000~20000MHz-PASS

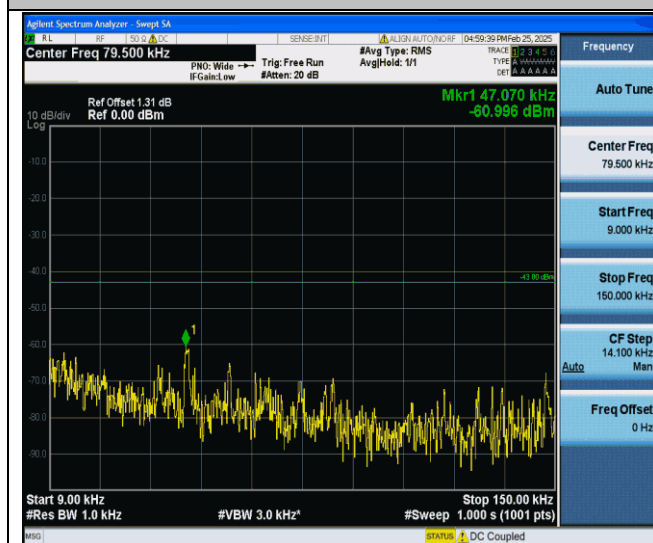




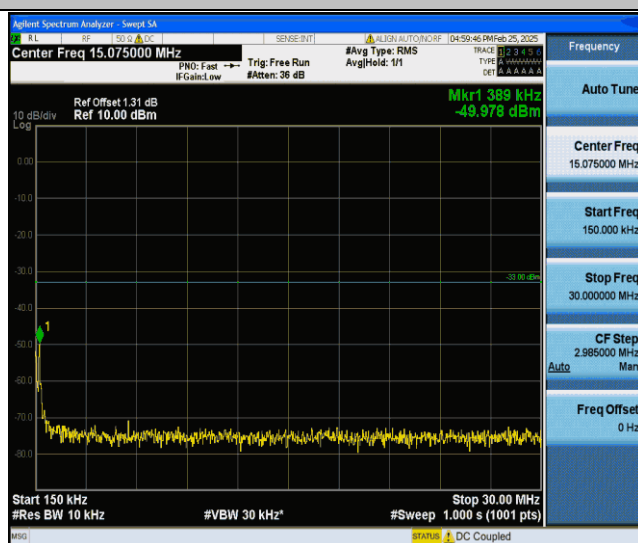
Band IV-1413-30~1000MHz-PASS



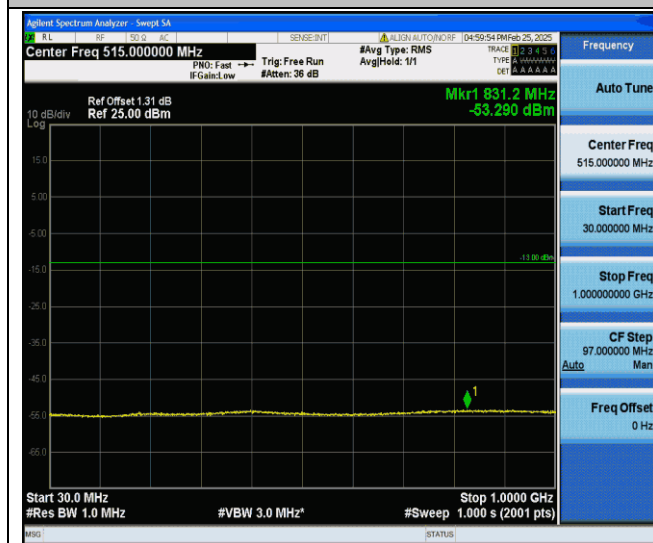
Band IV-1413-1000~20000MHz-PASS



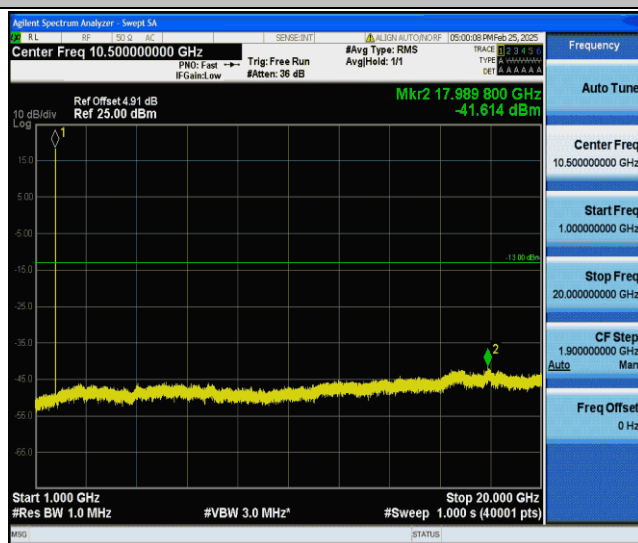
Band IV-1513-0.009~0.15MHz-PASS



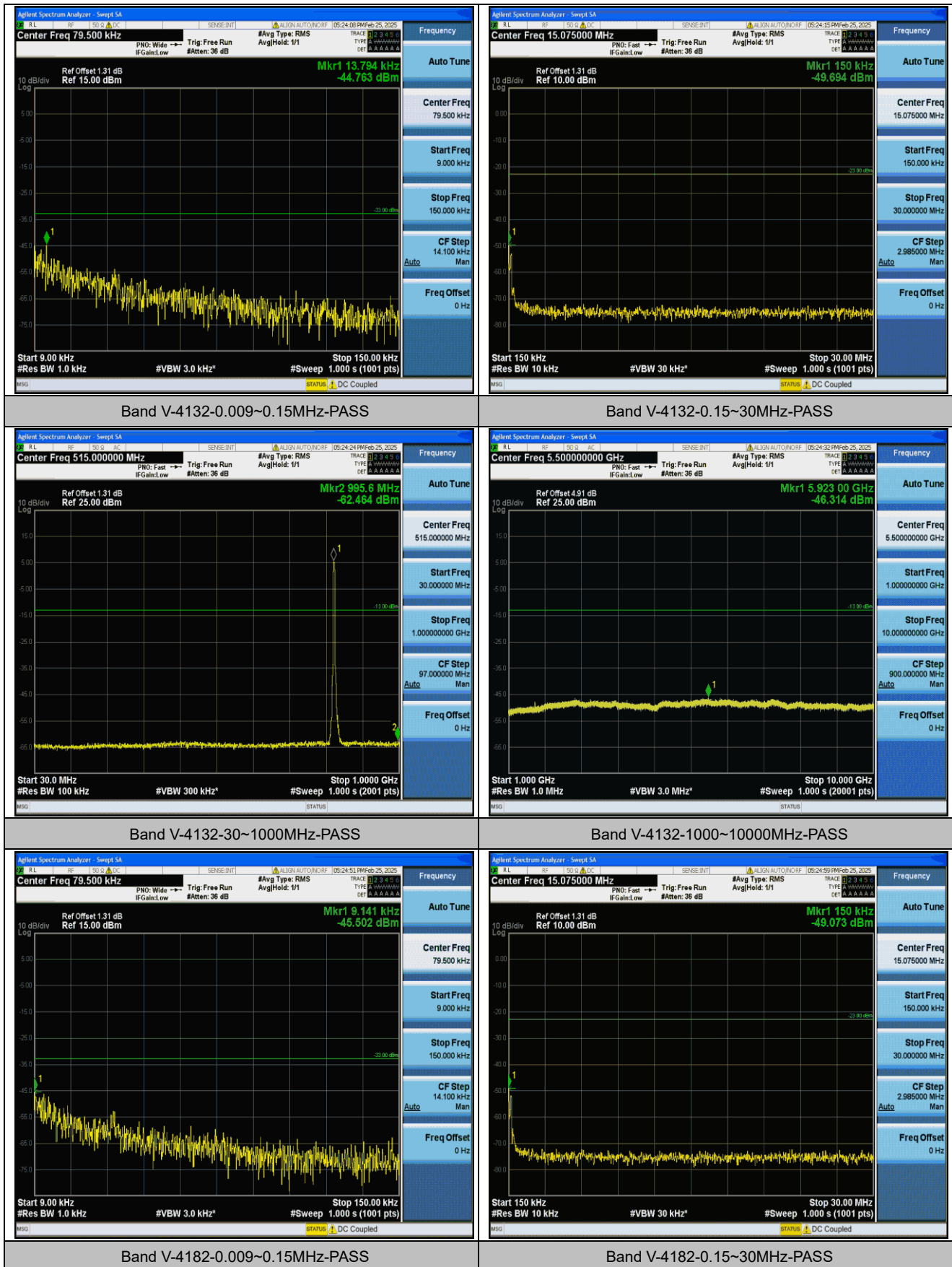
Band IV-1513-0.15~30MHz-PASS

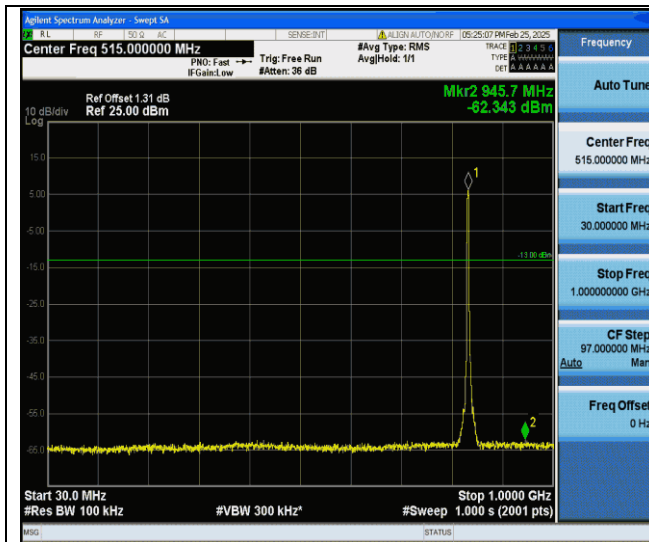


Band IV-1513-30~1000MHz-PASS

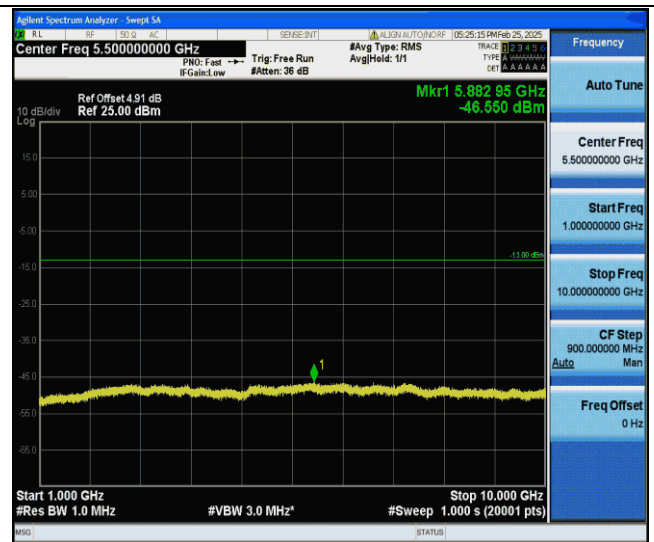


Band IV-1513-1000~20000MHz-PASS

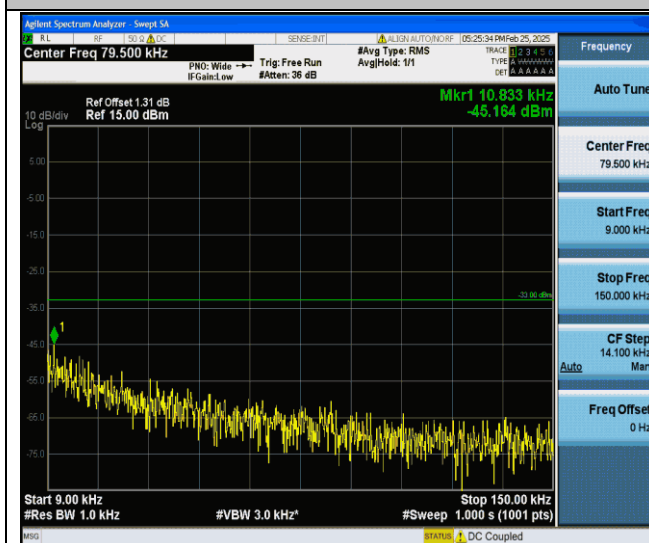




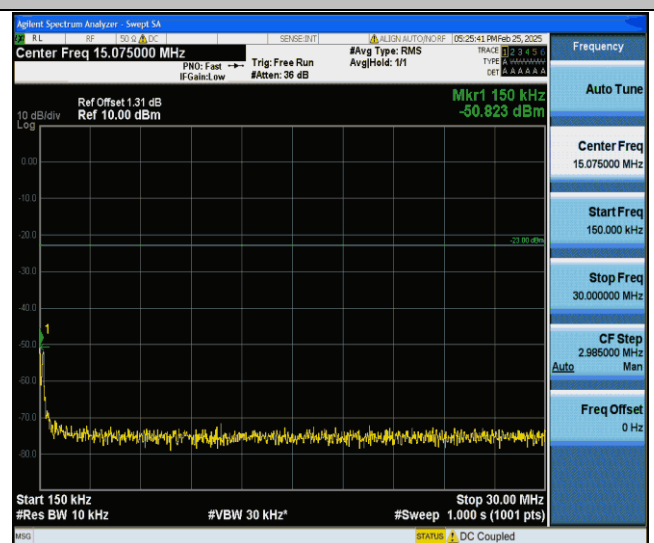
Band V-4182-30~1000MHz-PASS



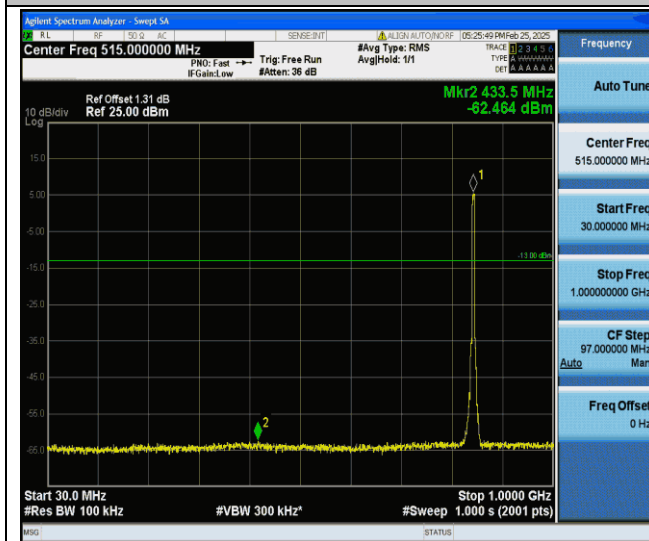
Band V-4182-1000~10000MHz-PASS



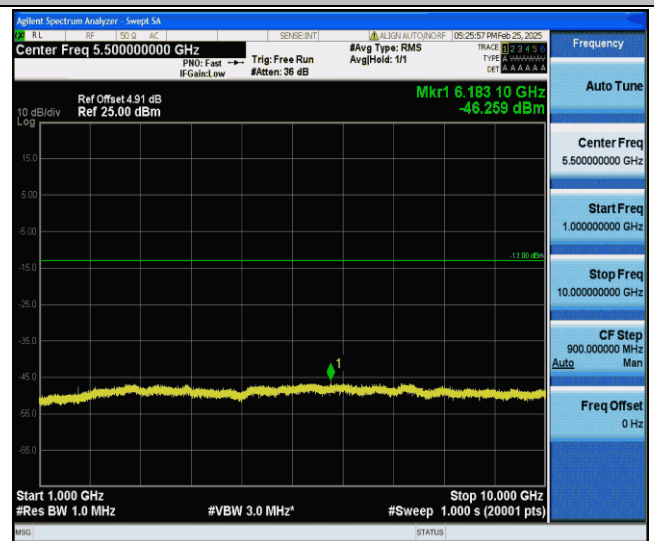
Band V-4233-0.009~0.15MHz-PASS



Band V-4233-0.15~30MHz-PASS



Band V-4233-30~1000MHz-PASS



Band V-4233-1000~10000MHz-PASS

Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9400	VN	NT	-1.24	-0.000660	--	PASS
Band II	9400	VL	NT	0.10	0.000053	--	PASS
Band II	9400	VH	NT	0.66	0.000351	--	PASS
Band IV	1413	VN	NT	0.14	0.000081	--	PASS
Band IV	1413	VL	NT	-0.42	-0.000242	--	PASS
Band IV	1413	VH	NT	0.08	0.000046	--	PASS
Band V	4182	VN	NT	-0.36	-0.000430	±2.5	PASS
Band V	4182	VL	NT	-1.05	-0.001255	±2.5	PASS
Band V	4182	VH	NT	0.49	0.000586	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9400	NV	-30	1.74	0.000926	--	PASS
Band II	9400	NV	-20	0.24	0.000128	--	PASS
Band II	9400	NV	-10	0.47	0.000250	--	PASS
Band II	9400	NV	0	0.17	0.000090	--	PASS
Band II	9400	NV	10	0.30	0.000160	--	PASS
Band II	9400	NV	20	1.34	0.000713	--	PASS
Band II	9400	NV	30	-1.43	-0.000761	--	PASS
Band II	9400	NV	40	-0.31	-0.000165	--	PASS
Band II	9400	NV	50	1.08	0.000574	--	PASS
Band IV	1413	NV	-30	0.94	0.000543	--	PASS
Band IV	1413	NV	-20	-0.51	-0.000294	--	PASS
Band IV	1413	NV	-10	-0.19	-0.000110	--	PASS
Band IV	1413	NV	0	-2.05	-0.001183	--	PASS
Band IV	1413	NV	10	-1.33	-0.000768	--	PASS
Band IV	1413	NV	20	-0.22	-0.000127	--	PASS
Band IV	1413	NV	30	0.32	0.000185	--	PASS
Band IV	1413	NV	40	0.80	0.000462	--	PASS
Band IV	1413	NV	50	1.56	0.000900	--	PASS
Band V	4182	NV	-30	0.01	0.000012	±2.5	PASS
Band V	4182	NV	-20	-1.56	-0.001865	±2.5	PASS
Band V	4182	NV	-10	0.51	0.000610	±2.5	PASS
Band V	4182	NV	0	-0.46	-0.000550	±2.5	PASS
Band V	4182	NV	10	0.54	0.000646	±2.5	PASS
Band V	4182	NV	20	0.54	0.000646	±2.5	PASS
Band V	4182	NV	30	-0.21	-0.000251	±2.5	PASS
Band V	4182	NV	40	0.62	0.000741	±2.5	PASS
Band V	4182	NV	50	0.76	0.000909	±2.5	PASS

~The End~