

Appendix-A WCDMA

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band II	9262	24.32	25.27	33	PASS
Band II	9400	24.33	25.28	33	PASS
Band II	9538	24.26	25.21	33	PASS
Band IV	1312	24.14	25.16	30	PASS
Band IV	1413	24.11	25.13	30	PASS
Band IV	1513	24.11	25.13	30	PASS

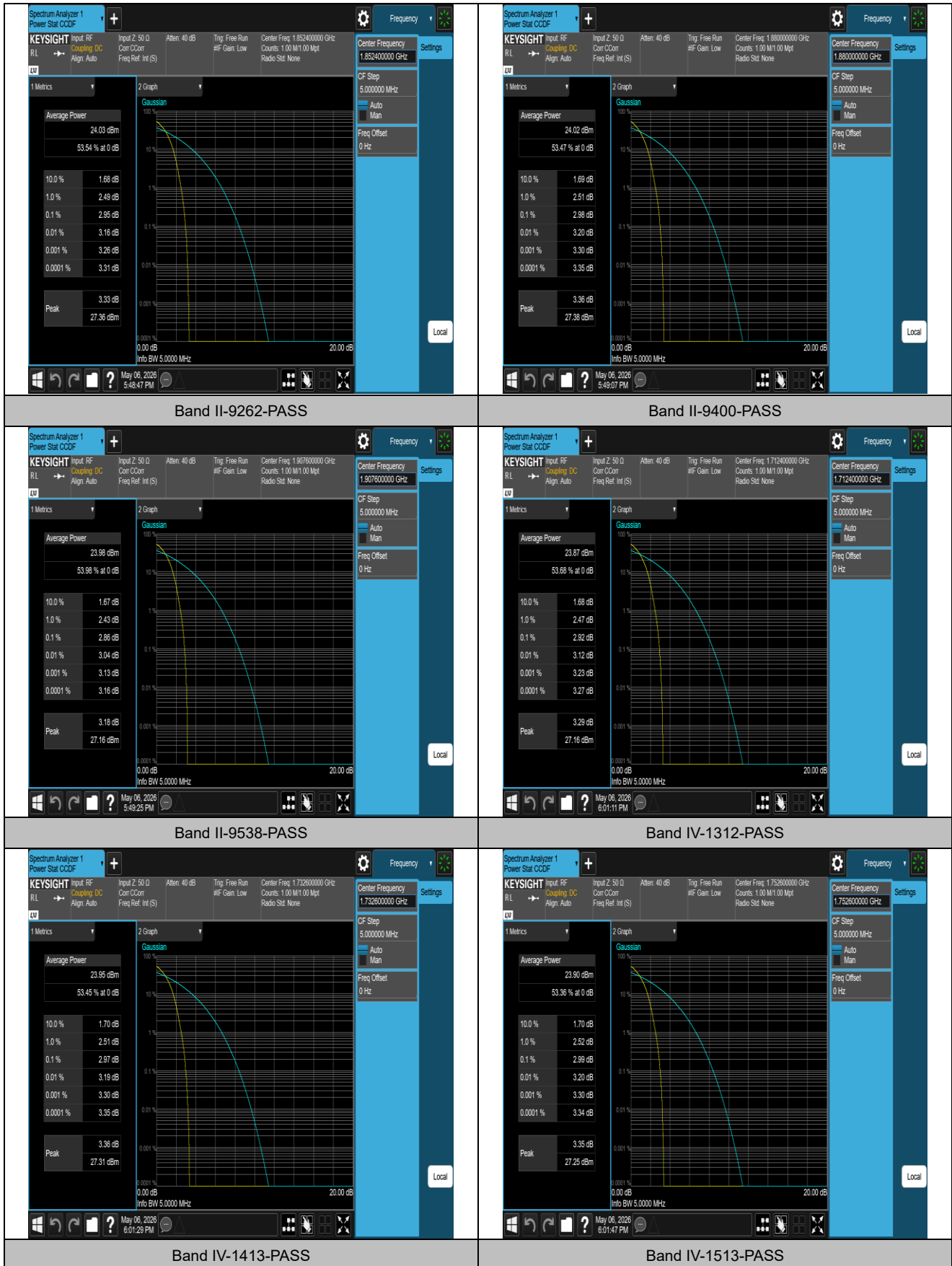
Band	Channel	Power(dBm)	ERP (dBm)	Limit(dBm)	Verdict
Band V	4132	23.92	17.97	38.45	PASS
Band V	4182	23.70	17.75	38.45	PASS
Band V	4233	23.90	17.95	38.45	PASS

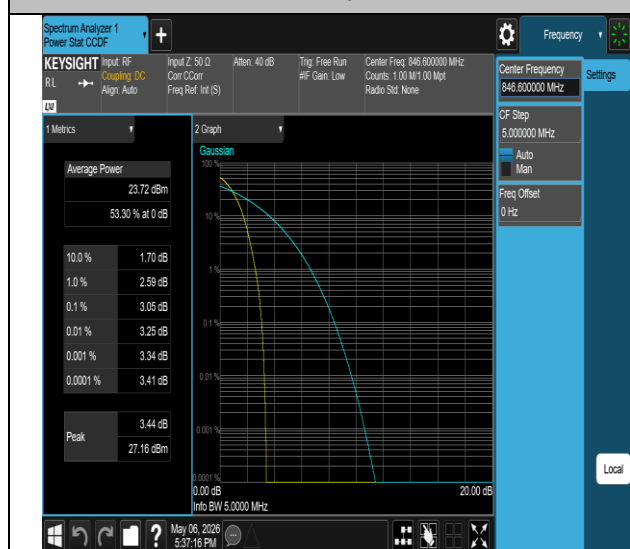
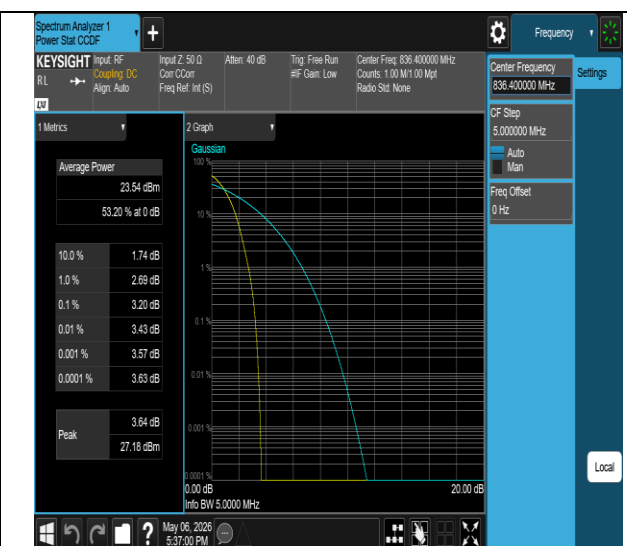
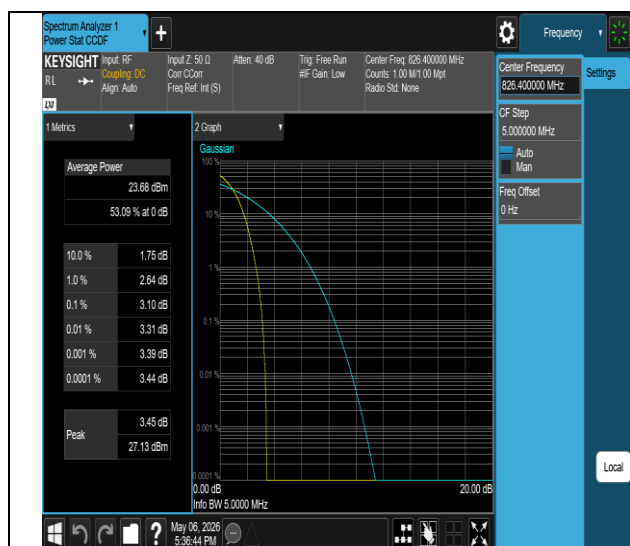
Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band II	9262	2.95	13	PASS
Band II	9400	2.98	13	PASS
Band II	9538	2.86	13	PASS
Band IV	1312	2.92	13	PASS
Band IV	1413	2.97	13	PASS
Band IV	1513	2.99	13	PASS
Band V	4132	3.1	13	PASS
Band V	4182	3.2	13	PASS
Band V	4233	3.05	13	PASS

Test Graphs



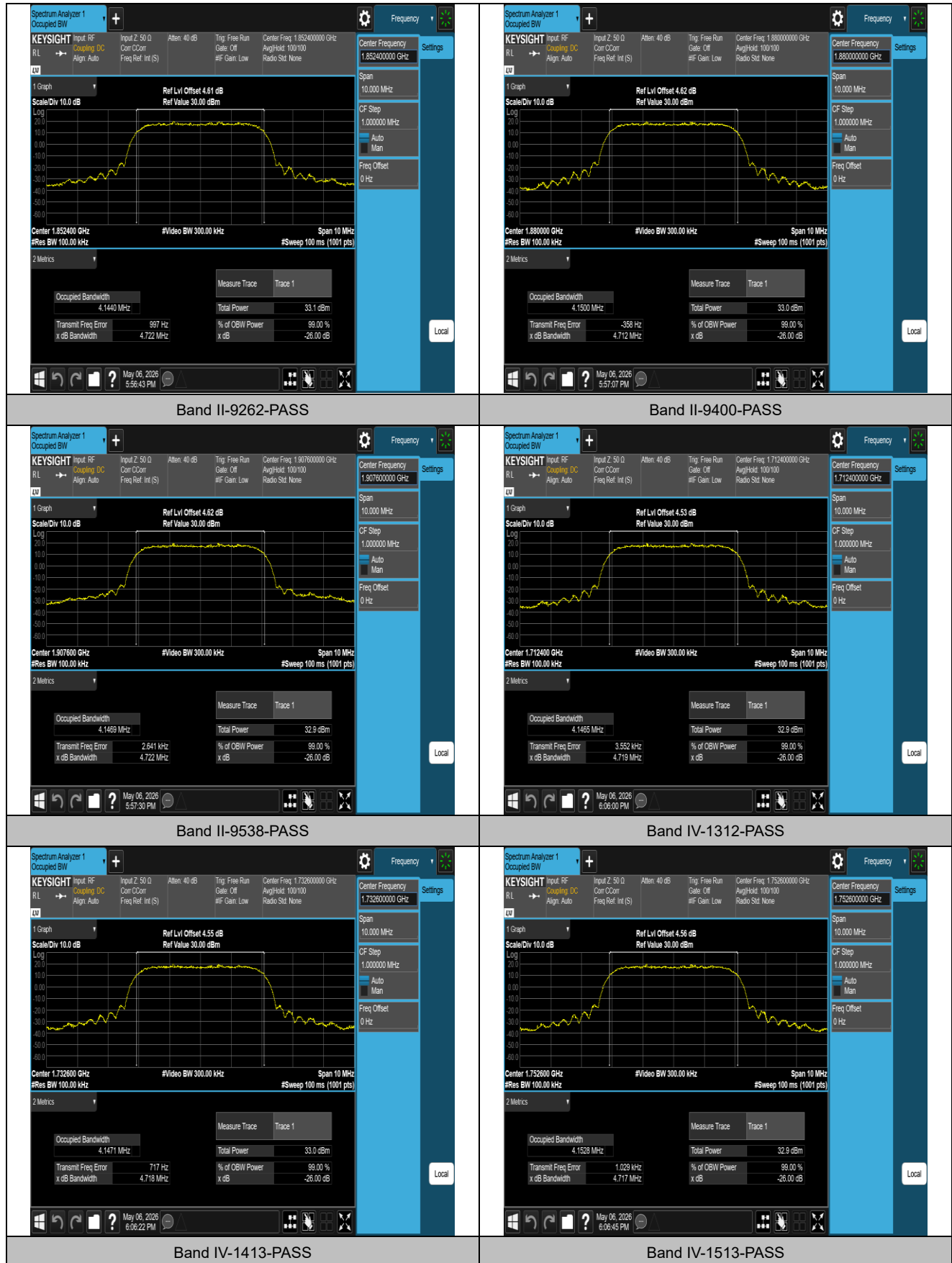


26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band II	9262	4.1440	4.722	---	PASS
Band II	9400	4.1500	4.712	---	PASS
Band II	9538	4.1469	4.722	---	PASS
Band IV	1312	4.1465	4.719	---	PASS
Band IV	1413	4.1471	4.718	---	PASS
Band IV	1513	4.1528	4.717	---	PASS
Band V	4132	4.1356	4.691	---	PASS
Band V	4182	4.1291	4.688	---	PASS
Band V	4233	4.1200	4.695	---	PASS

Test Graphs

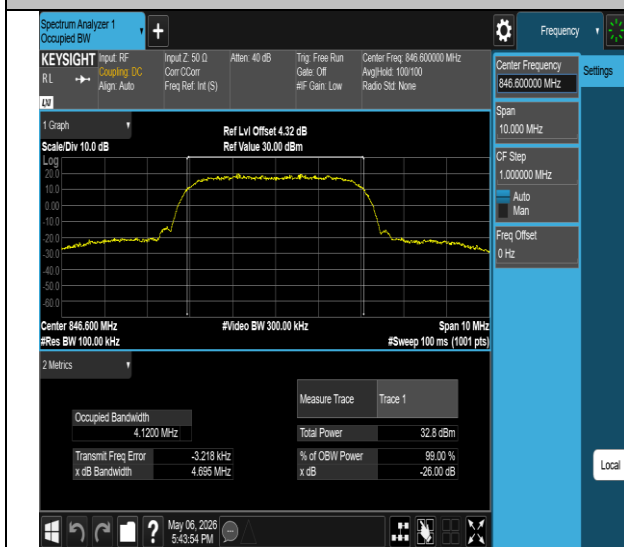




Band V-4132-PASS



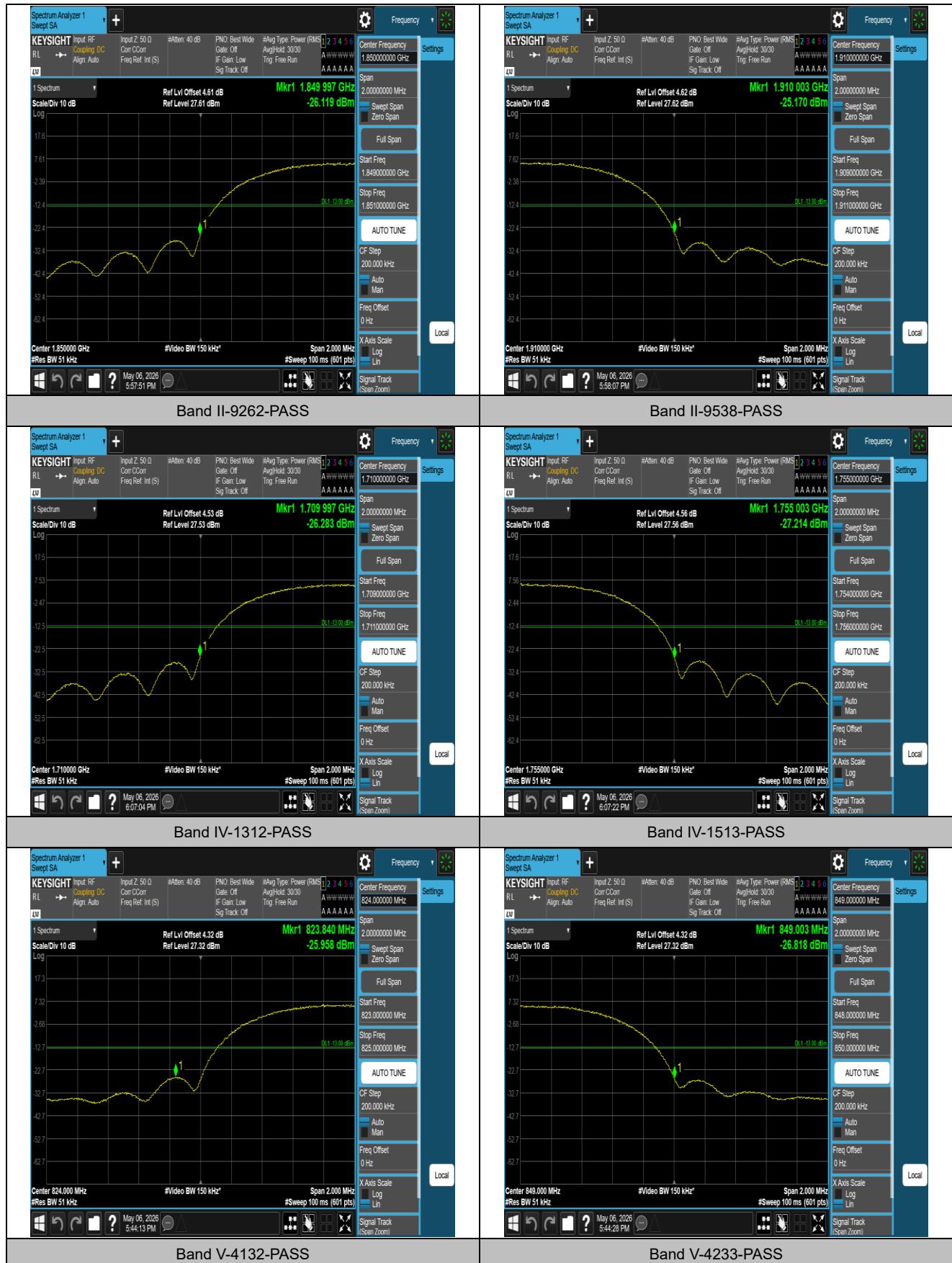
Band V-4182-PASS



Band V-4233-PASS

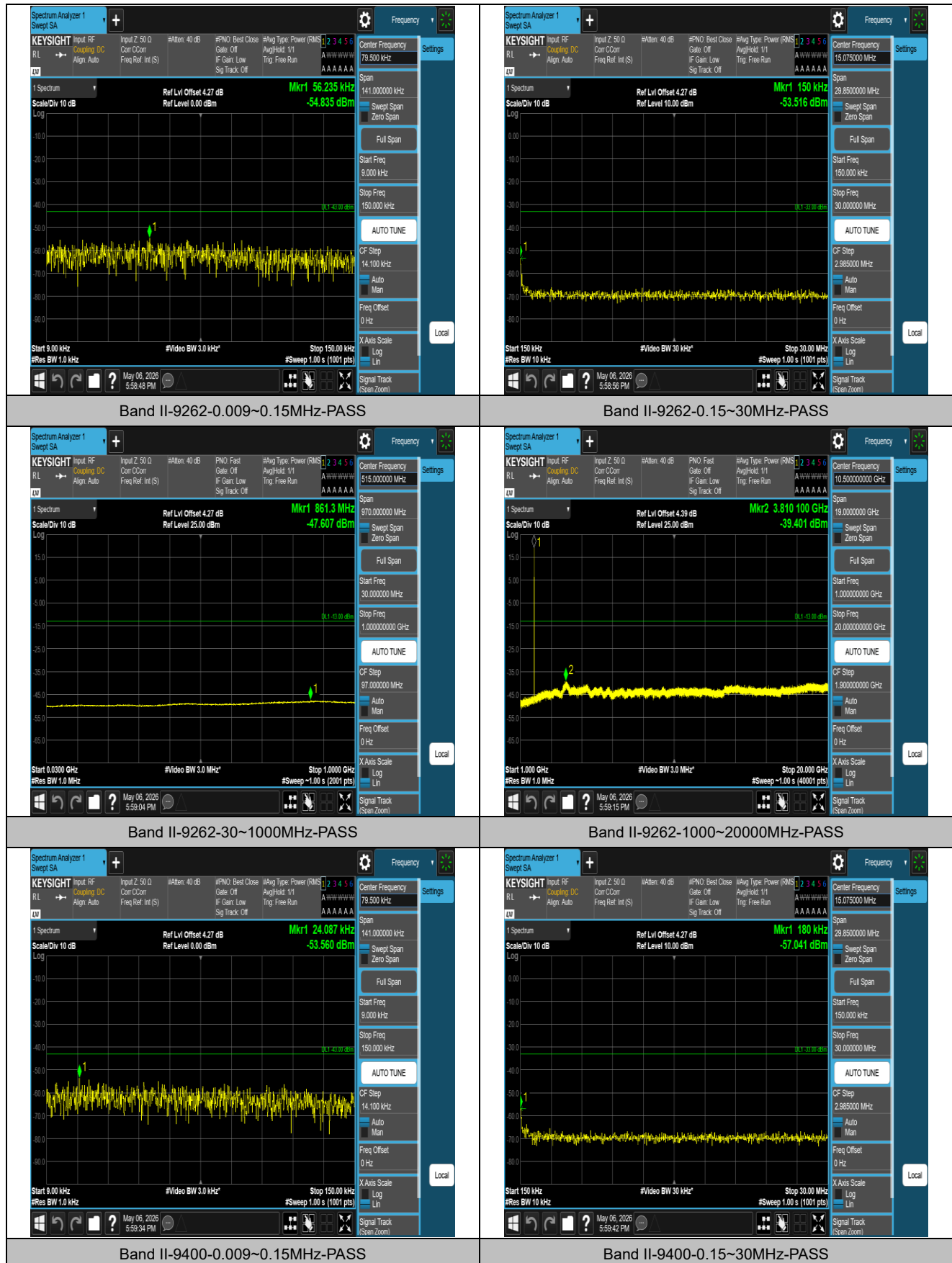
Band Edge

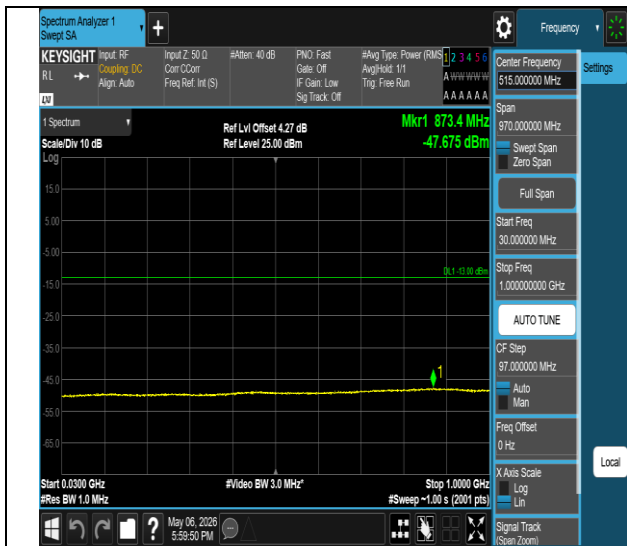
Test Graphs



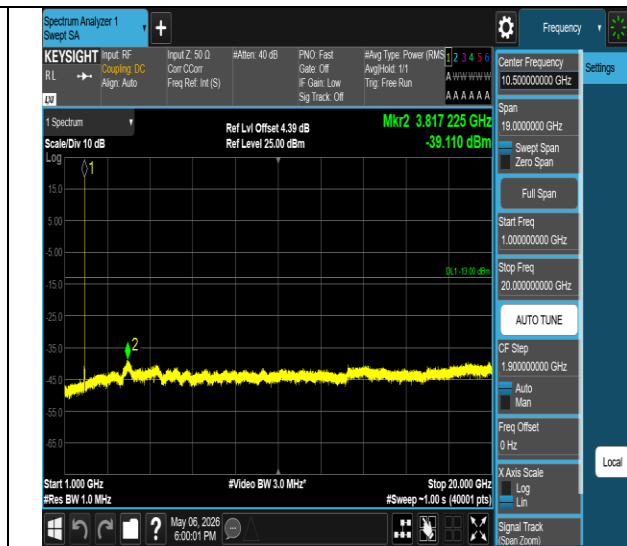
Conducted Spurious Emission

Test Graphs

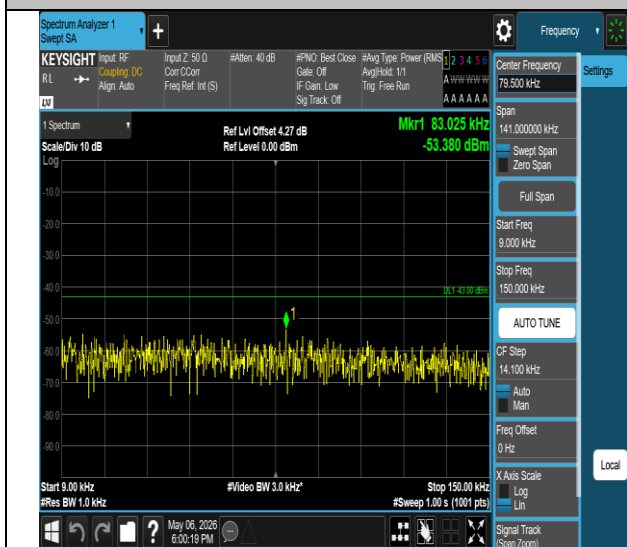




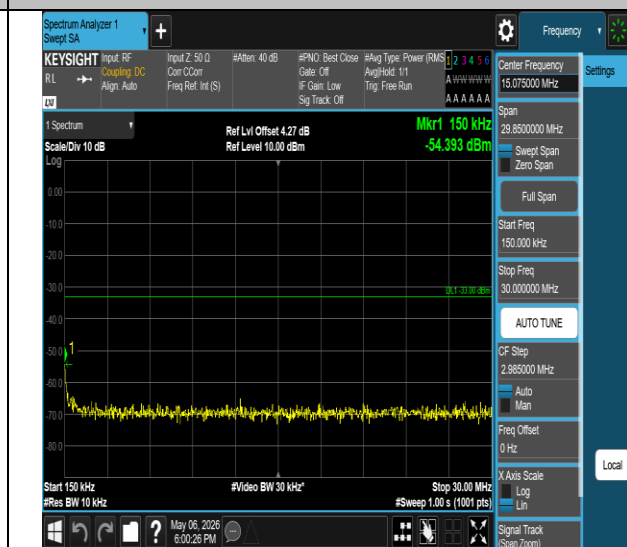
Band II-9400-30~1000MHz-PASS



Band II-9400-1000~20000MHz-PASS



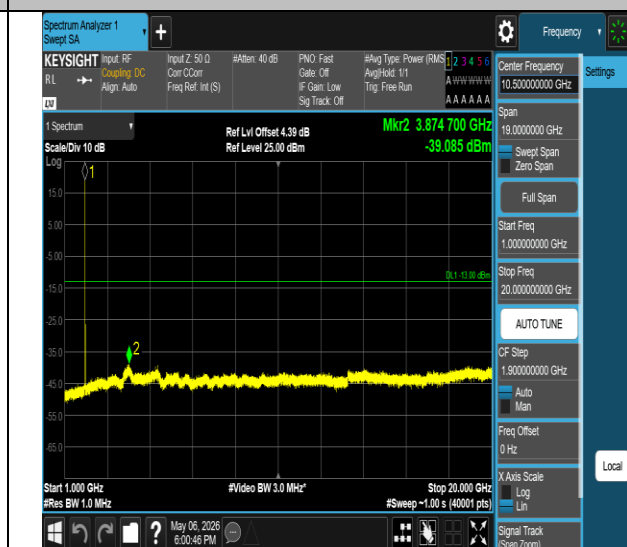
Band II-9538-0.009~0.15MHz-PASS



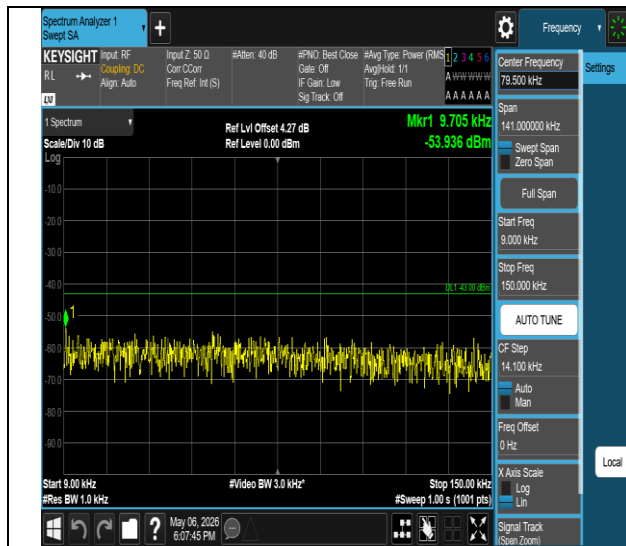
Band II-9538-0.15~30MHz-PASS



Band II-9538-30~1000MHz-PASS



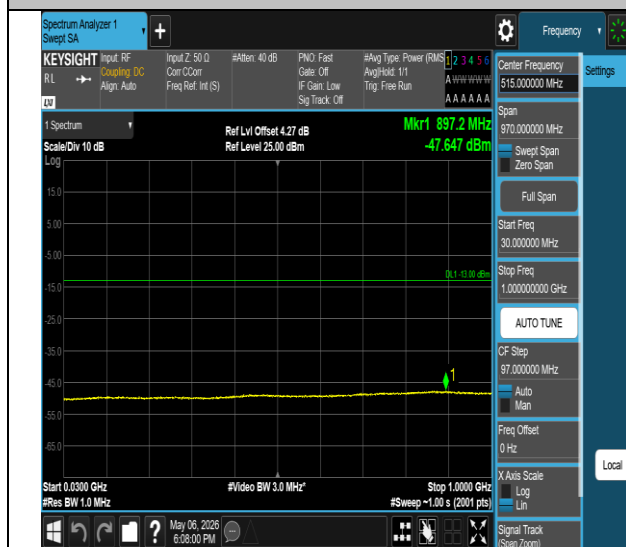
Band II-9538-1000~20000MHz-PASS



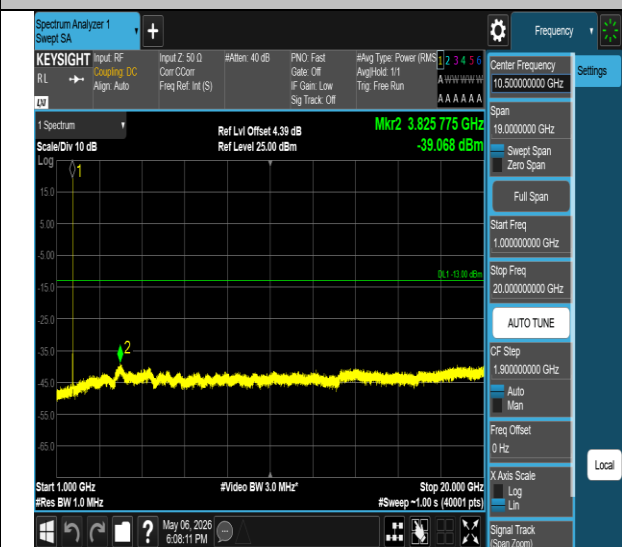
Band IV-1312-0.009~0.15MHz-PASS



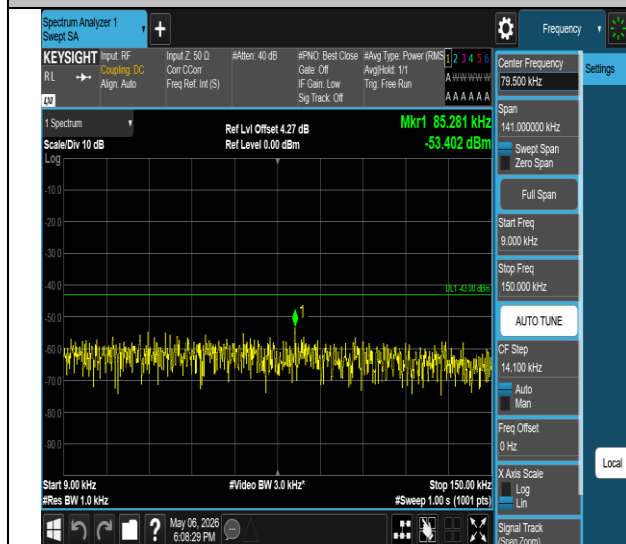
Band IV-1312-0.15~30MHz-PASS



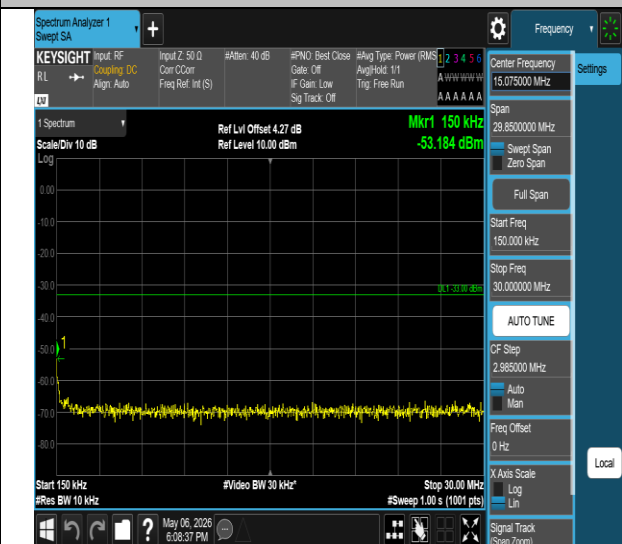
Band IV-1312-30~1000MHz-PASS



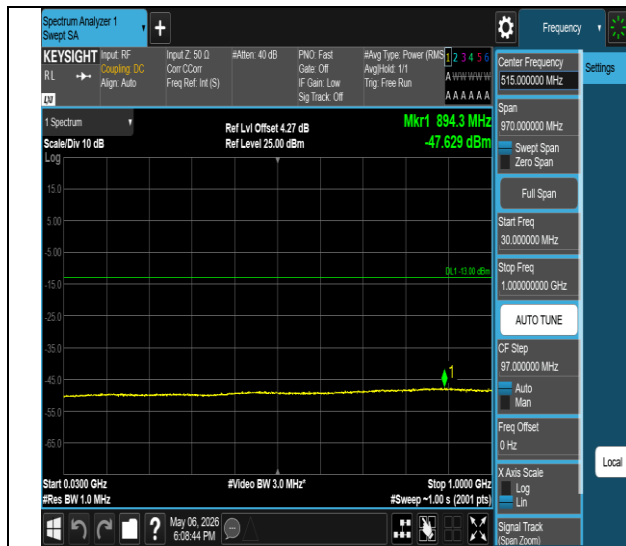
Band IV-1312-1000~20000MHz-PASS



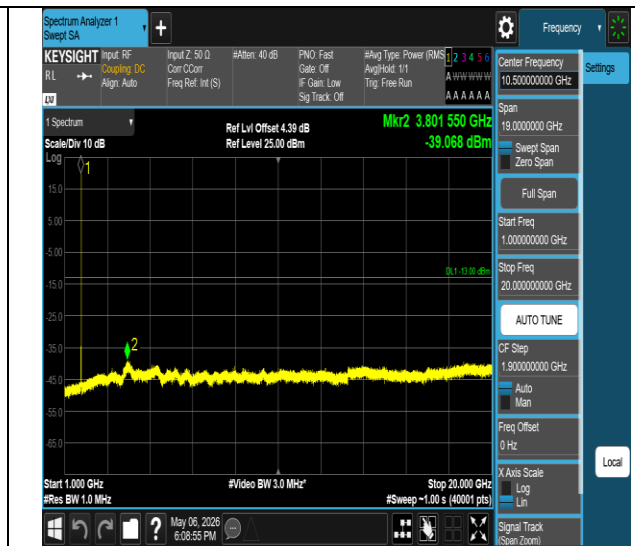
Band IV-1413-0.009~0.15MHz-PASS



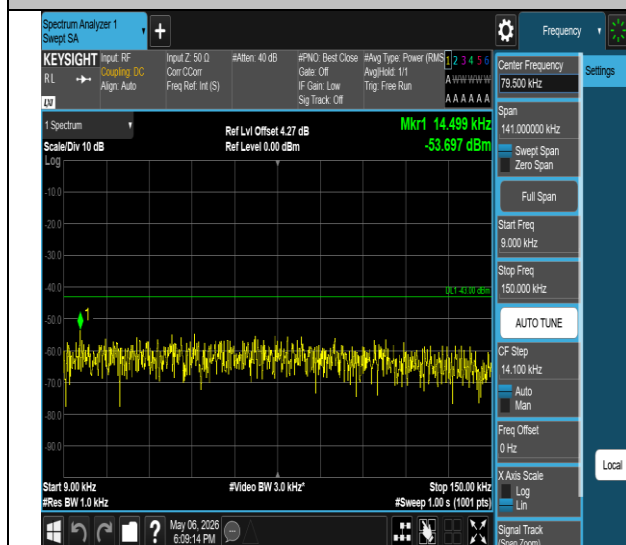
Band IV-1413-0.15~30MHz-PASS



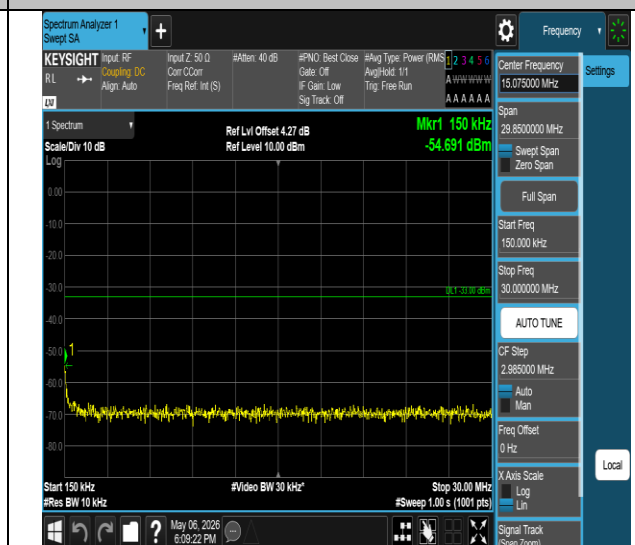
Band IV-1413-30~1000MHz-PASS



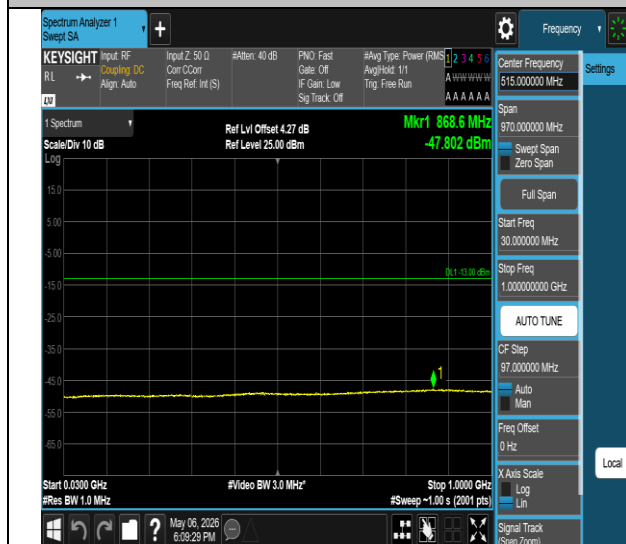
Band IV-1413-1000~20000MHz-PASS



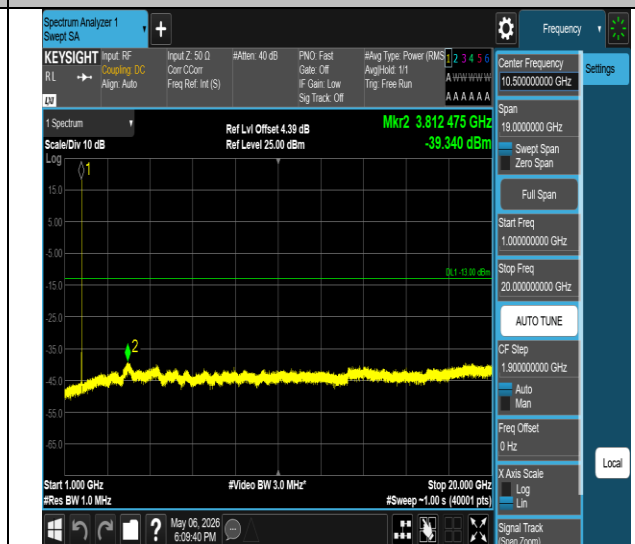
Band IV-1513-0.009~0.15MHz-PASS



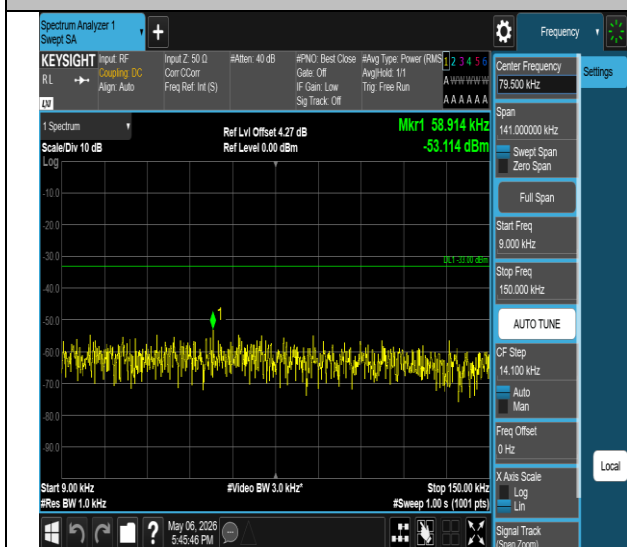
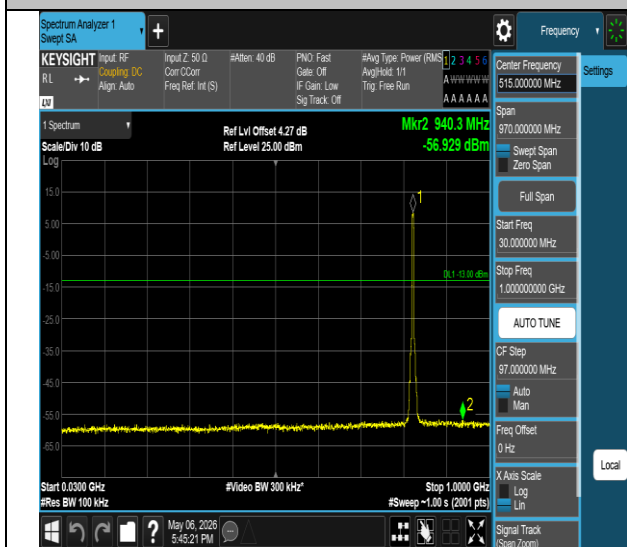
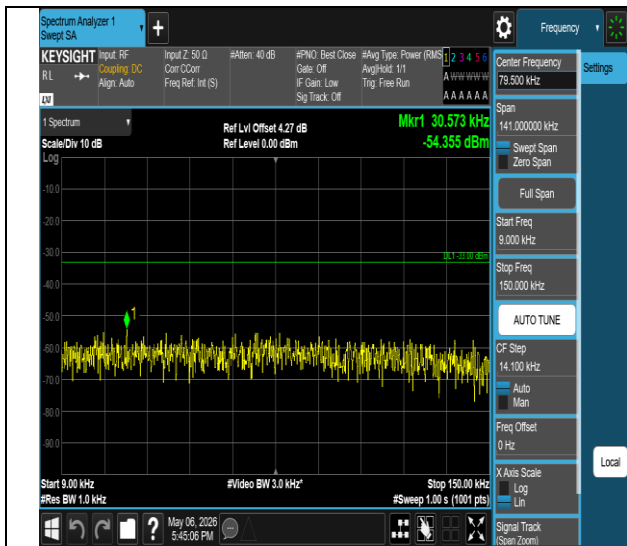
Band IV-1513-0.15~30MHz-PASS

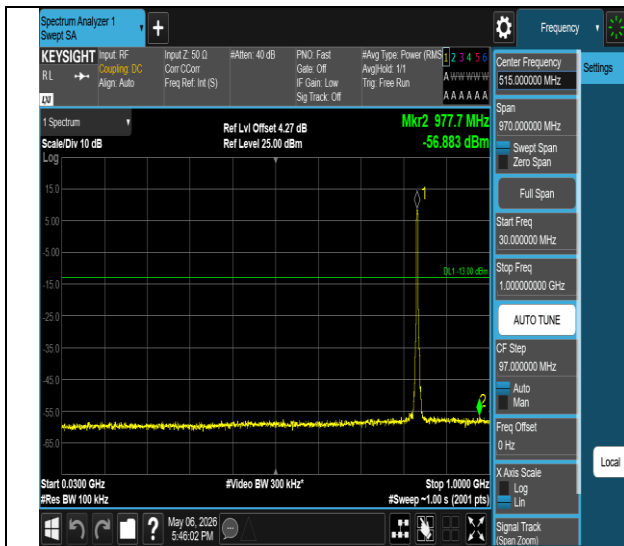


Band IV-1513-30~1000MHz-PASS

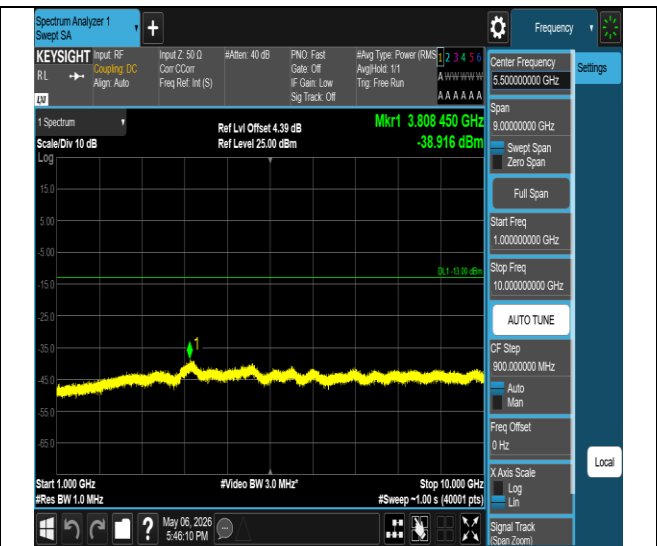


Band IV-1513-1000~20000MHz-PASS

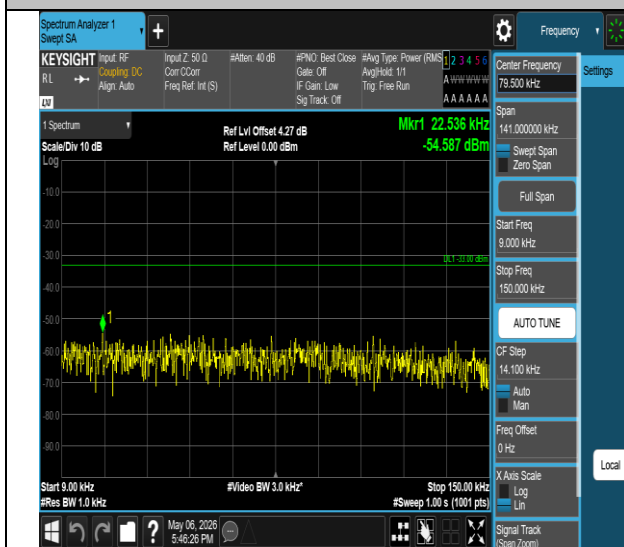




Band V-4182-30~1000MHz-PASS



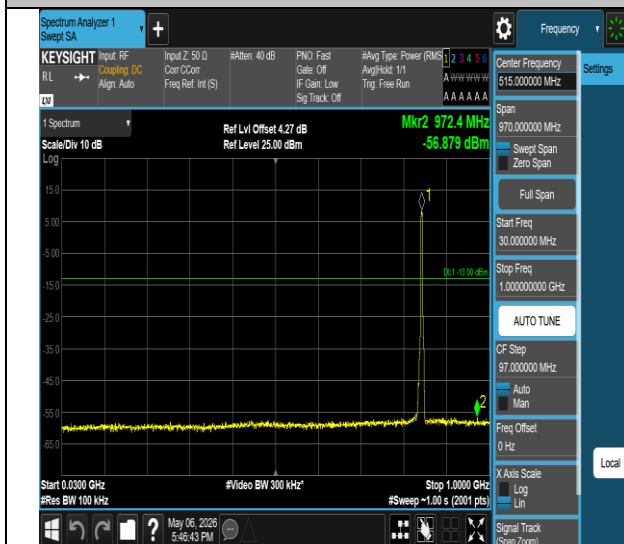
Band V-4182-1000~10000MHz-PASS



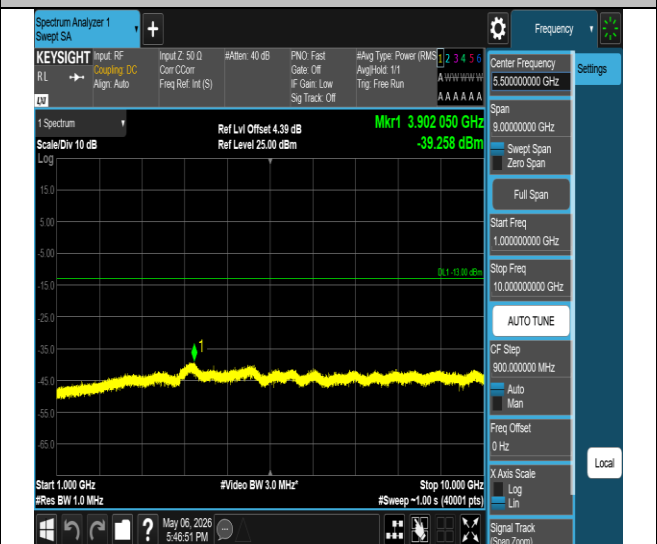
Band V-4233-0.009~0.15MHz-PASS



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	70.00	0.037234	---	PASS
Band II	9400	VL	NT	1820.00	0.968085	---	PASS
Band II	9400	VH	NT	-3000.00	-1.595745	---	PASS
Band IV	1413	VN	NT	2380.00	1.373658	---	PASS
Band IV	1413	VL	NT	4460.00	2.574166	---	PASS
Band IV	1413	VH	NT	1820.00	1.050444	---	PASS
Band V	4182	VN	NT	-0.69	-0.000825	±2.5	PASS
Band V	4182	VL	NT	-0.72	-0.000861	±2.5	PASS
Band V	4182	VH	NT	-0.23	-0.000275	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9400	NV	-30	3570.00	1.898936	---	PASS
Band II	9400	NV	-20	-990.00	-0.526596	---	PASS
Band II	9400	NV	-10	3070.00	1.632979	---	PASS
Band II	9400	NV	0	2380.00	1.265957	---	PASS
Band II	9400	NV	10	1090.00	0.579787	---	PASS
Band II	9400	NV	20	3180.00	1.691489	---	PASS
Band II	9400	NV	30	2590.00	1.377660	---	PASS
Band II	9400	NV	40	4050.00	2.154255	---	PASS
Band II	9400	NV	50	-140.00	-0.074468	---	PASS
Band IV	1413	NV	-30	560.00	0.323214	---	PASS
Band IV	1413	NV	-20	1700.00	0.981184	---	PASS
Band IV	1413	NV	-10	90.00	0.051945	---	PASS
Band IV	1413	NV	0	4720.00	2.724229	---	PASS
Band IV	1413	NV	10	1020.00	0.588711	---	PASS
Band IV	1413	NV	20	7470.00	4.311439	---	PASS
Band IV	1413	NV	30	580.00	0.334757	---	PASS
Band IV	1413	NV	40	3570.00	2.060487	---	PASS
Band IV	1413	NV	50	1620.00	0.935011	---	PASS
Band V	4182	NV	-30	-0.29	-0.000347	±2.5	PASS
Band V	4182	NV	-20	0.54	0.000646	±2.5	PASS
Band V	4182	NV	-10	-0.74	-0.000885	±2.5	PASS
Band V	4182	NV	0	-0.44	-0.000526	±2.5	PASS
Band V	4182	NV	10	-0.39	-0.000466	±2.5	PASS
Band V	4182	NV	20	-0.61	-0.000729	±2.5	PASS
Band V	4182	NV	30	-0.29	-0.000347	±2.5	PASS
Band V	4182	NV	40	-0.54	-0.000646	±2.5	PASS
Band V	4182	NV	50	-0.34	-0.000407	±2.5	PASS

~The End~