

AppendixA: Effective (Isotropic) Radiated Power Output Data

Test Result(WCDMA)

Band	Channel	Power(dBm)	ERP/EIRP(dBm)	Limit(dBm)	Verdict
Band5	4132	24.43	24.43	38.45	PASS
Band5	4182	24.32	24.32	38.45	PASS
Band5	4233	24.78	24.78	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Power(dBm)	ERP/EIRP(dBm)	Limit(dBm)	Verdict
Band5	4132	1	23.43	21.28	38.45	PASS
Band5	4132	2	22.85	20.7	38.45	PASS
Band5	4132	3	23.02	20.87	38.45	PASS
Band5	4132	4	22.99	20.84	38.45	PASS
Band5	4182	1	23.47	21.32	38.45	PASS
Band5	4182	2	22.84	20.69	38.45	PASS
Band5	4182	3	23.03	20.88	38.45	PASS
Band5	4182	4	22.96	20.81	38.45	PASS
Band5	4233	1	23.69	21.54	38.45	PASS
Band5	4233	2	23.18	21.03	38.45	PASS
Band5	4233	3	23.22	21.07	38.45	PASS
Band5	4233	4	23.12	20.97	38.45	PASS

AppendixB:Peak-to-Average Ratio

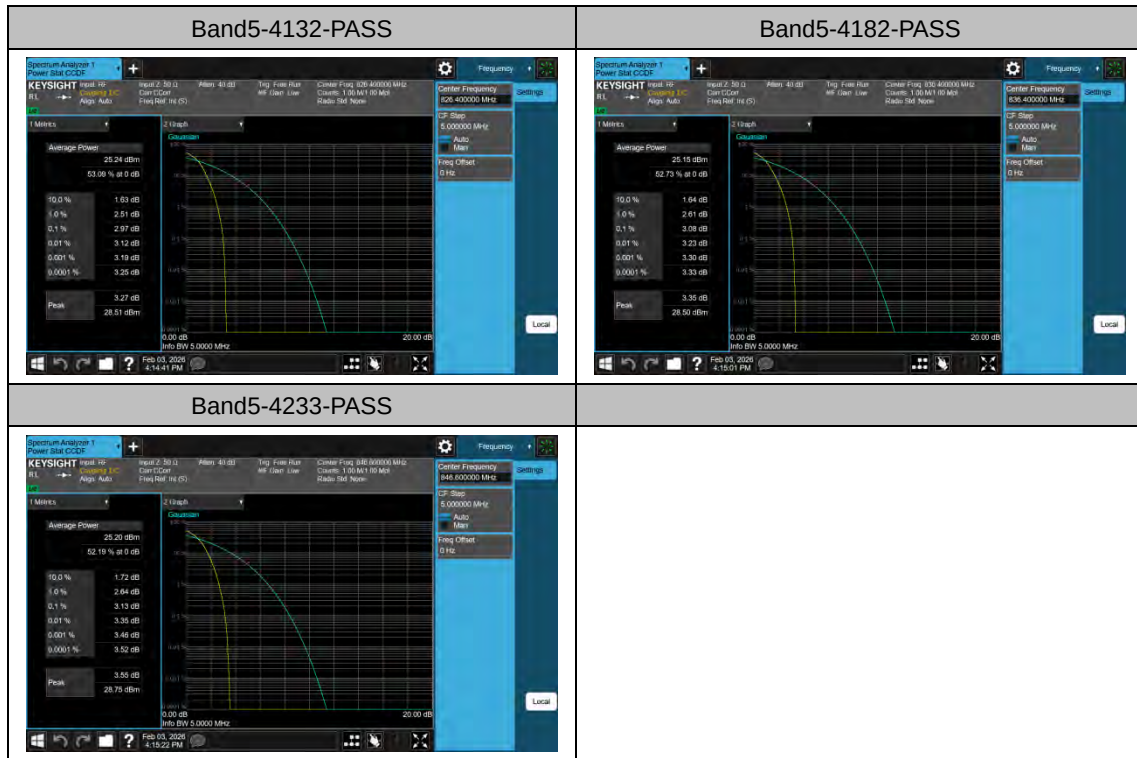
Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	2.97	13	PASS
Band5	4182	3.08	13	PASS
Band5	4233	3.13	13	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	1	3.11	13	PASS
Band5	4132	2	3.58	13	PASS
Band5	4132	3	3.76	13	PASS
Band5	4132	4	3.82	13	PASS
Band5	4182	1	3.18	13	PASS
Band5	4182	2	3.58	13	PASS
Band5	4182	3	3.79	13	PASS
Band5	4182	4	3.83	13	PASS
Band5	4233	1	3.23	13	PASS
Band5	4233	2	3.82	13	PASS
Band5	4233	3	4.02	13	PASS
Band5	4233	4	4.07	13	PASS

Test Graphs(WCDMA)



Test Graphs(HSDPA)

Band5-4132-1-PASS



Band5-4132-2-PASS



Band5-4132-3-PASS



Band5-4132-4-PASS



Band5-4182-1-PASS



Band5-4182-2-PASS



Band5-4182-3-PASS



Band5-4182-4-PASS



Band5-4233-1-PASS



Band5-4233-2-PASS



Band5-4233-3-PASS



Band5-4233-4-PASS



AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	4.1458	4.698	---	PASS
Band5	4182	4.1317	4.696	---	PASS
Band5	4233	4.1476	4.696	---	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	1	4.1527	4.698	---	PASS
Band5	4132	2	4.1461	4.697	---	PASS
Band5	4132	3	4.1487	4.695	---	PASS
Band5	4132	4	4.1537	4.698	---	PASS
Band5	4182	1	4.1315	4.685	---	PASS
Band5	4182	2	4.1337	4.684	---	PASS
Band5	4182	3	4.1380	4.689	---	PASS
Band5	4182	4	4.1379	4.688	---	PASS
Band5	4233	1	4.1542	4.696	---	PASS
Band5	4233	2	4.1530	4.699	---	PASS
Band5	4233	3	4.1544	4.715	---	PASS
Band5	4233	4	4.1513	4.702	---	PASS

Test Graphs(WCDMA)



Test Graphs(HSDPA)





Band5-4132-4-PASS



Band5-4182-1-PASS



Band5-4182-2-PASS



Band5-4182-3-PASS



Band5-4182-4-PASS



Band5-4233-1-PASS



Band5-4233-2-PASS



Band5-4233-3-PASS



Band5-4233-4-PASS



AppendixD:Band Edge

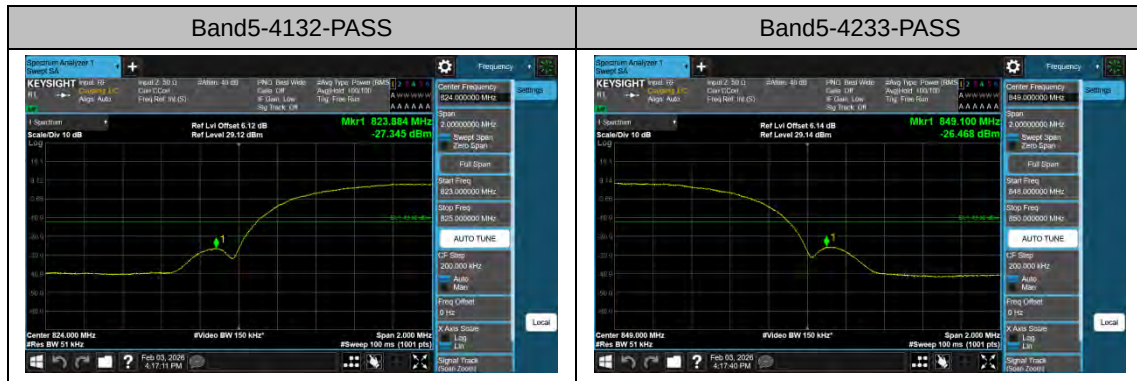
Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	823.88	-27.34	-13	PASS
Band5	4233	849.10	-26.47	-13	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	1	823.88	-26.95	-13	PASS
Band5	4132	2	823.86	-28.17	-13	PASS
Band5	4132	3	823.89	-28.60	-13	PASS
Band5	4132	4	823.88	-28.79	-13	PASS
Band5	4233	1	849.11	-26.67	-13	PASS
Band5	4233	2	849.12	-28.44	-13	PASS
Band5	4233	3	849.00	-28.84	-13	PASS
Band5	4233	4	849.00	-28.80	-13	PASS

Test Graphs(WCDMA)



Test Graphs(HSDPA)

Band5-4132-1-PASS



Band5-4132-2-PASS



Band5-4132-3-PASS



Band5-4132-4-PASS



Band5-4233-1-PASS



Band5-4233-2-PASS



Band5-4233-3-PASS



Band5-4233-4-PASS



AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

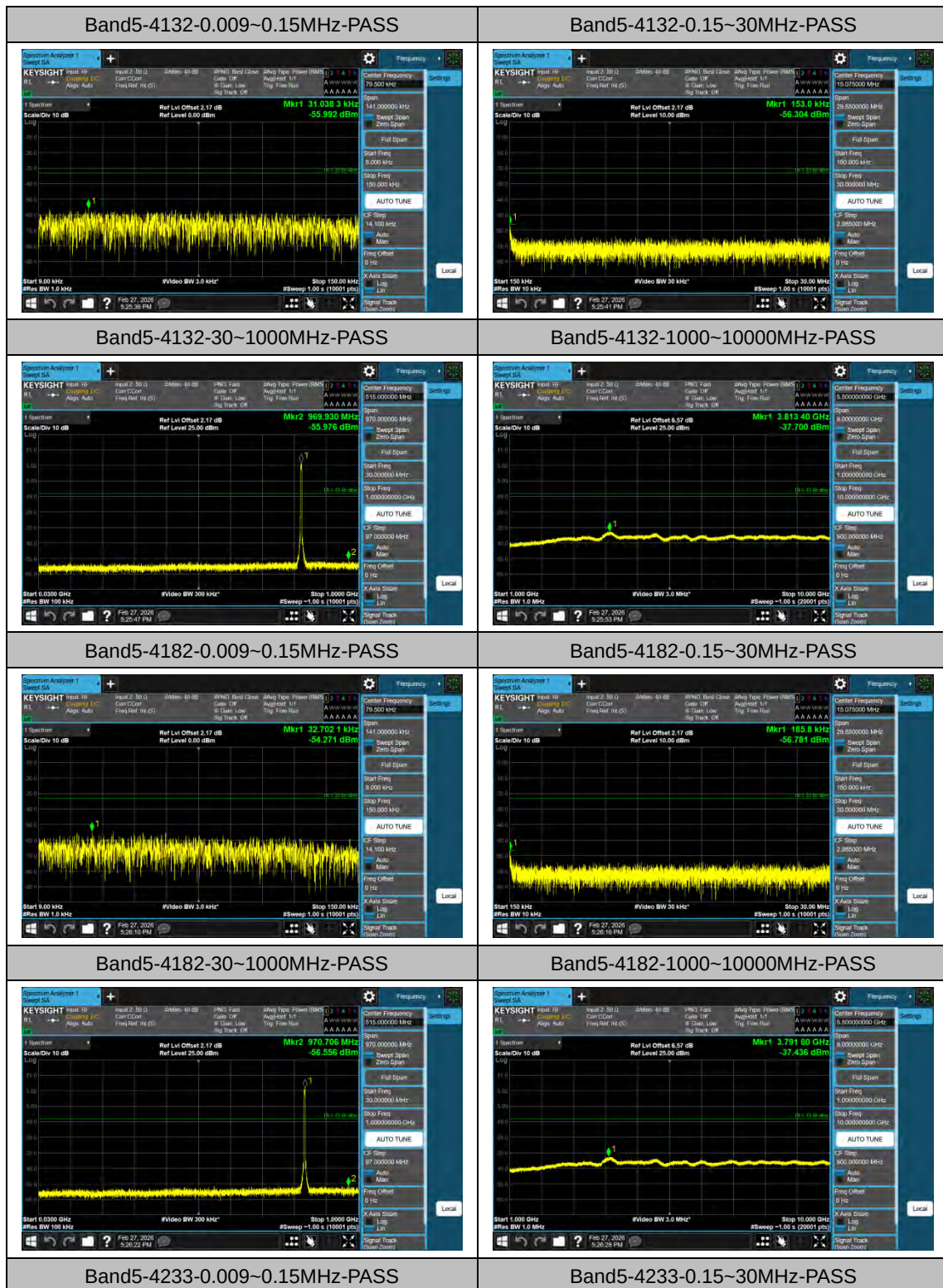
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	0.009~0.15MHz	0.03	-55.99	-33	PASS
Band5	4132	0.15~30MHz	0.15	-56.3	-23	PASS
Band5	4132	30~1000MHz	969.93	-55.98	-13	PASS
Band5	4132	1000~10000MHz	3813.4	-37.7	-13	PASS
Band5	4182	0.009~0.15MHz	0.03	-54.27	-33	PASS
Band5	4182	0.15~30MHz	0.19	-56.78	-23	PASS
Band5	4182	30~1000MHz	970.71	-56.56	-13	PASS
Band5	4182	1000~10000MHz	3791.8	-37.44	-13	PASS
Band5	4233	0.009~0.15MHz	0.03	-54.39	-33	PASS
Band5	4233	0.15~30MHz	0.18	-55.92	-23	PASS
Band5	4233	30~1000MHz	968.77	-56.64	-13	PASS
Band5	4233	1000~10000MHz	3856.6	-37.27	-13	PASS

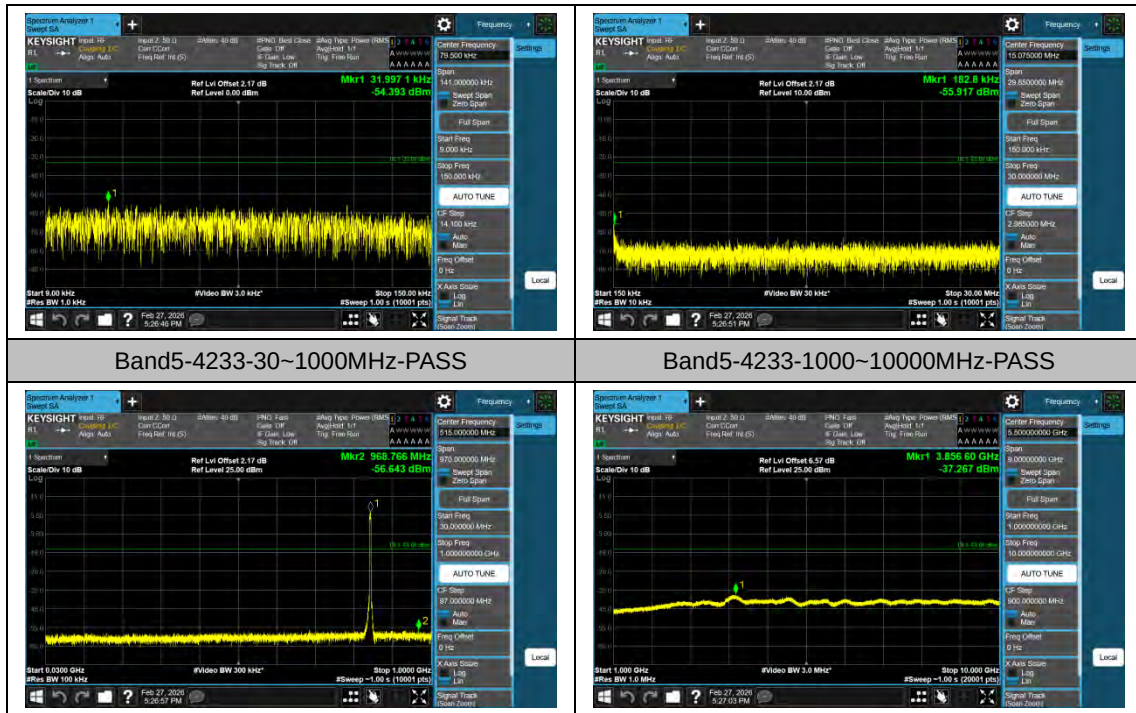
Test Result(HSDPA)

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	1	0.009~0.15MHz	0.04	-55.5	-33	PASS
Band5	4132	1	0.15~30MHz	0.16	-54.12	-23	PASS
Band5	4132	1	30~1000MHz	992.82	-56.81	-13	PASS
Band5	4132	1	1000~10000MHz	3755.35	-37.35	-13	PASS
Band5	4132	2	0.009~0.15MHz	0.05	-55.13	-33	PASS
Band5	4132	2	0.15~30MHz	0.2	-55.75	-23	PASS
Band5	4132	2	30~1000MHz	986.03	-56.4	-13	PASS
Band5	4132	2	1000~10000MHz	3868.75	-37.52	-13	PASS
Band5	4132	3	0.009~0.15MHz	0.02	-54.65	-33	PASS
Band5	4132	3	0.15~30MHz	0.16	-51.42	-23	PASS
Band5	4132	3	30~1000MHz	944.32	-56.42	-13	PASS
Band5	4132	3	1000~10000MHz	3798.1	-36.94	-13	PASS
Band5	4132	4	0.009~0.15MHz	0.12	-54.05	-33	PASS
Band5	4132	4	0.15~30MHz	0.18	-55.12	-23	PASS
Band5	4132	4	30~1000MHz	936.76	-56.56	-13	PASS
Band5	4132	4	1000~10000MHz	3824.2	-37.36	-13	PASS
Band5	4182	1	0.009~0.15MHz	0.09	-54.78	-33	PASS
Band5	4182	1	0.15~30MHz	0.2	-56.44	-23	PASS
Band5	4182	1	30~1000MHz	966.15	-56.76	-13	PASS
Band5	4182	1	1000~10000MHz	3826.9	-37.58	-13	PASS
Band5	4182	2	0.009~0.15MHz	0.09	-54.79	-33	PASS
Band5	4182	2	0.15~30MHz	0.21	-56.51	-23	PASS

Band5	4182	2	30~1000MHz	981.38	-56.23	-13	PASS
Band5	4182	2	1000~10000MHz	3801.7	-36.97	-13	PASS
Band5	4182	3	0.009~0.15MHz	0.04	-53.78	-33	PASS
Band5	4182	3	0.15~30MHz	0.17	-54.68	-23	PASS
Band5	4182	3	30~1000MHz	994.37	-55.26	-13	PASS
Band5	4182	3	1000~10000MHz	3819.25	-37.39	-13	PASS
Band5	4182	4	0.009~0.15MHz	0.07	-54.59	-33	PASS
Band5	4182	4	0.15~30MHz	0.18	-52.75	-23	PASS
Band5	4182	4	30~1000MHz	729.66	-56.57	-13	PASS
Band5	4182	4	1000~10000MHz	3782.8	-37.14	-13	PASS
Band5	4233	1	0.009~0.15MHz	0.02	-54.38	-33	PASS
Band5	4233	1	0.15~30MHz	0.16	-53.7	-23	PASS
Band5	4233	1	30~1000MHz	947.62	-56.51	-13	PASS
Band5	4233	1	1000~10000MHz	3767.05	-37.54	-13	PASS
Band5	4233	2	0.009~0.15MHz	0.01	-53.85	-33	PASS
Band5	4233	2	0.15~30MHz	0.15	-53.86	-23	PASS
Band5	4233	2	30~1000MHz	486.68	-56.85	-13	PASS
Band5	4233	2	1000~10000MHz	3823.75	-37.34	-13	PASS
Band5	4233	3	0.009~0.15MHz	0.07	-54.78	-33	PASS
Band5	4233	3	0.15~30MHz	0.16	-53.95	-23	PASS
Band5	4233	3	30~1000MHz	960.81	-56.53	-13	PASS
Band5	4233	3	1000~10000MHz	3754.9	-37.52	-13	PASS
Band5	4233	4	0.009~0.15MHz	0.1	-54.61	-33	PASS
Band5	4233	4	0.15~30MHz	0.19	-56.5	-23	PASS
Band5	4233	4	30~1000MHz	963.04	-56.35	-13	PASS
Band5	4233	4	1000~10000MHz	3824.65	-36.72	-13	PASS

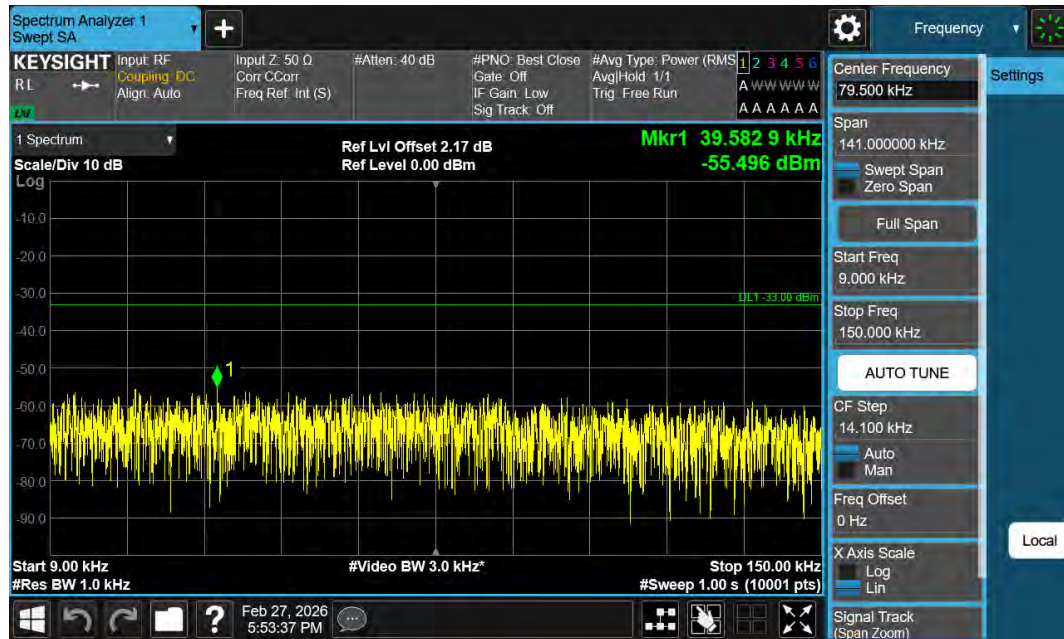
Test Graphs(WCDMA)



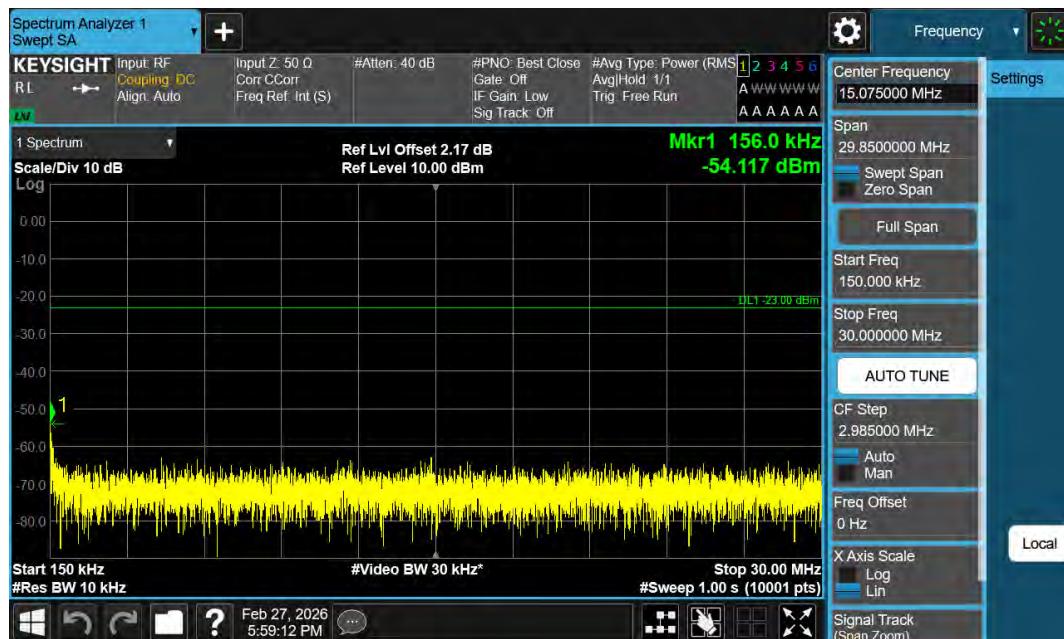


Test Graphs(HSDPA)

Band5-4132-1-0.009~0.15MHz-PASS



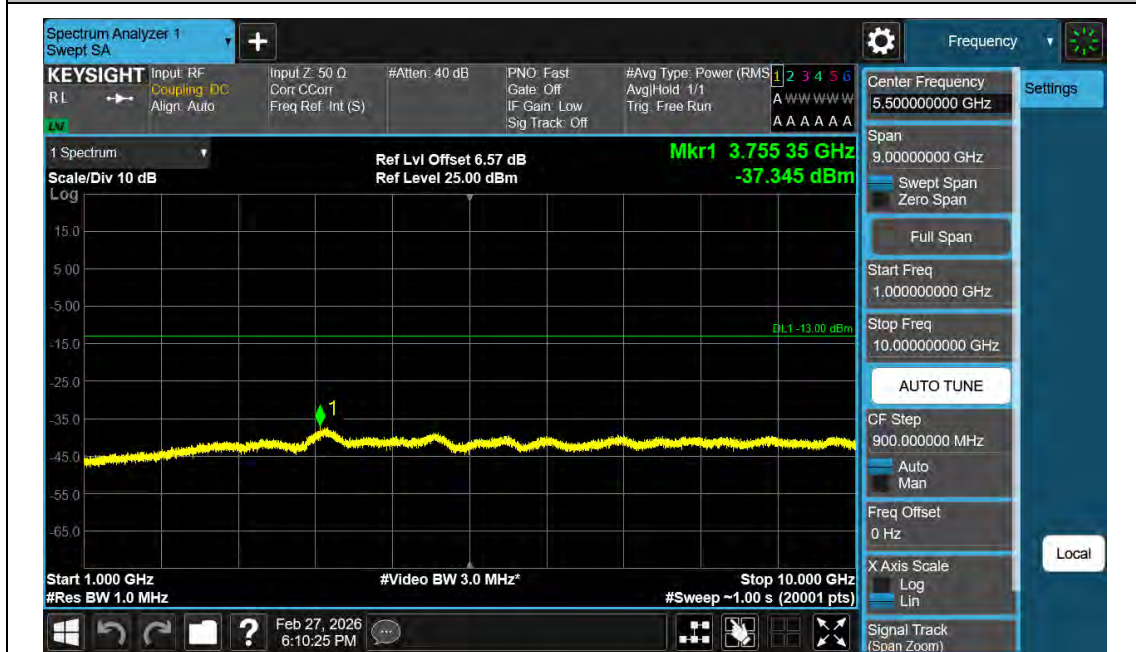
Band5-4132-1-0.15~30MHz-PASS



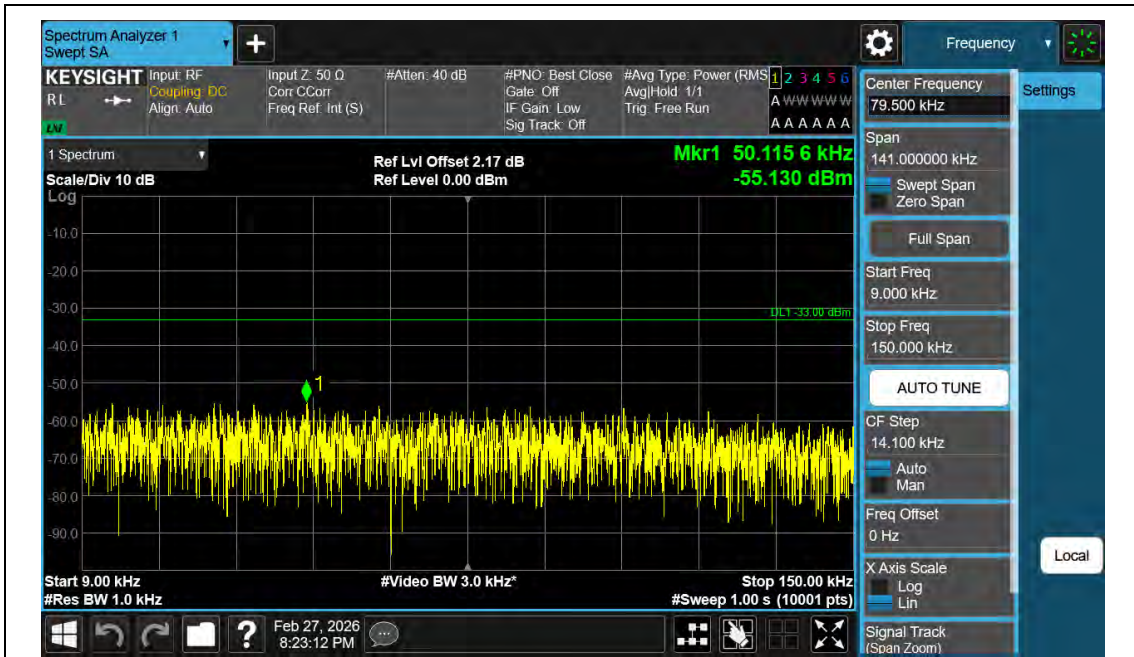
Band5-4132-1-30~1000MHz-PASS



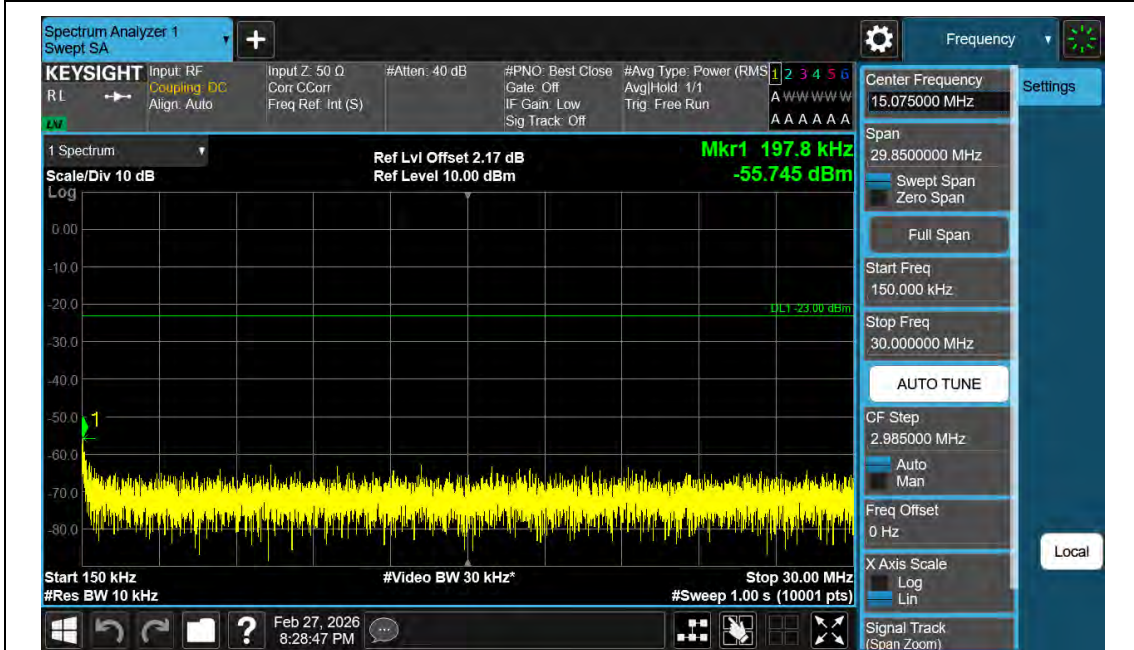
Band5-4132-1-1000~10000MHz-PASS



Band5-4132-2-0.009~0.15MHz-PASS



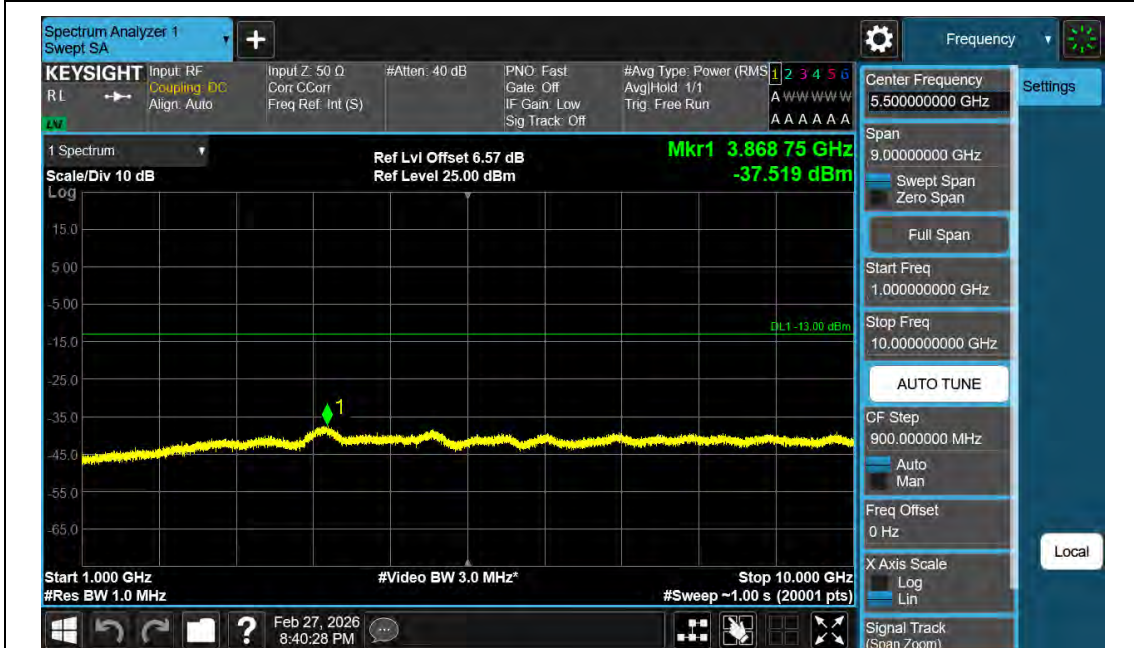
Band5-4132-2-0.15~30MHz-PASS



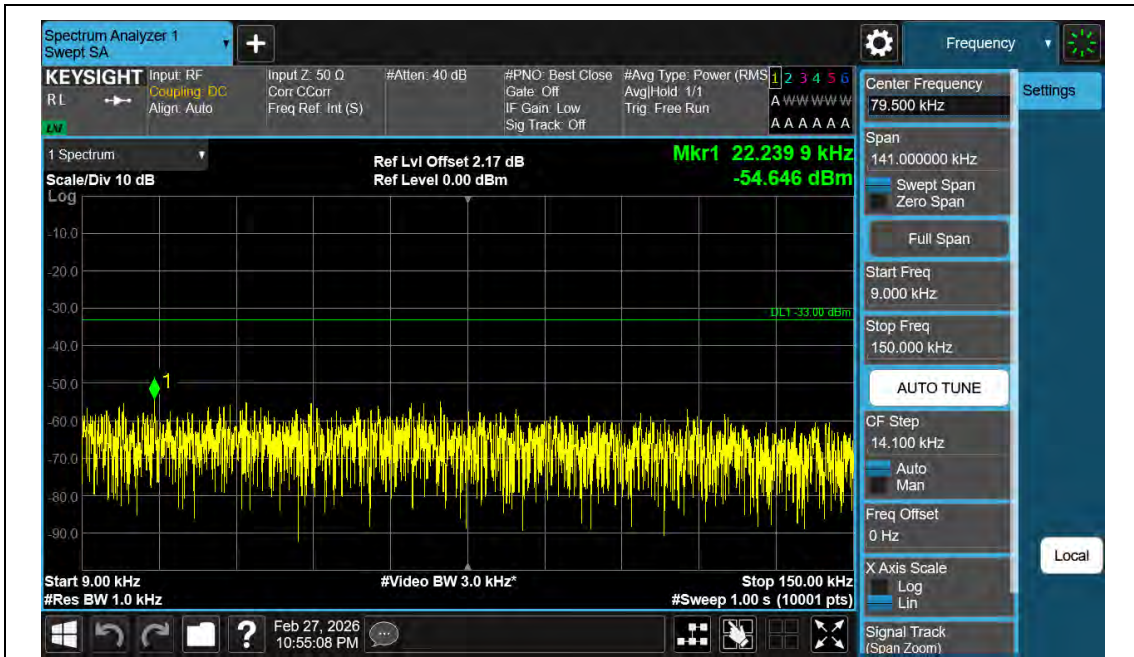
Band5-4132-2-30~1000MHz-PASS



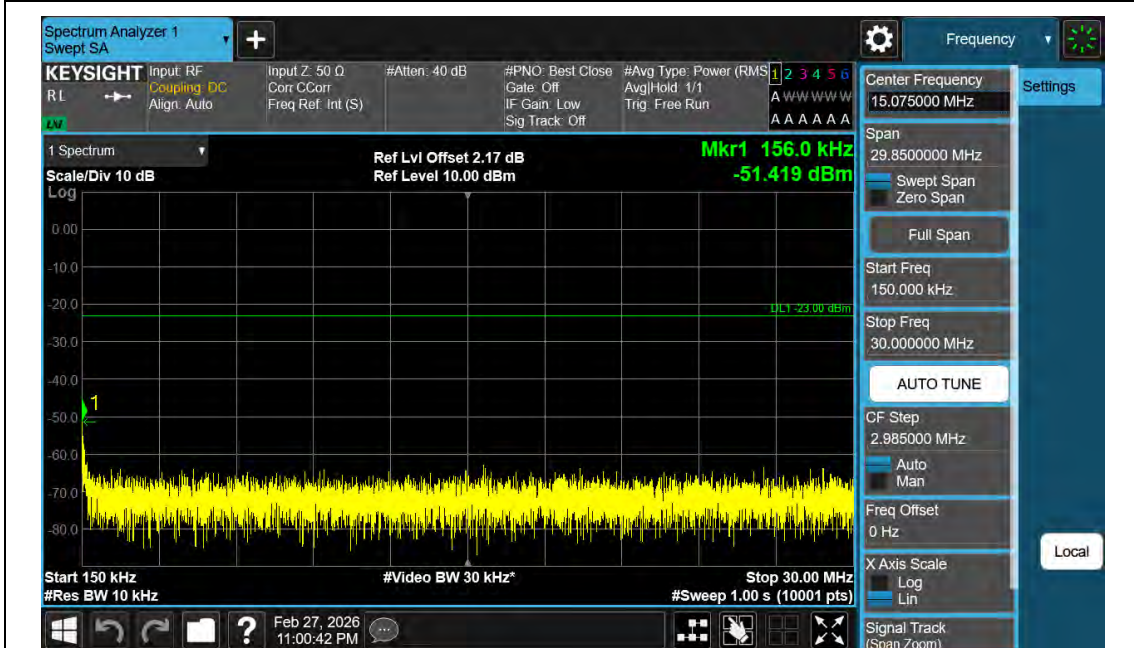
Band5-4132-2-1000~10000MHz-PASS



Band5-4132-3-0.009~0.15MHz-PASS



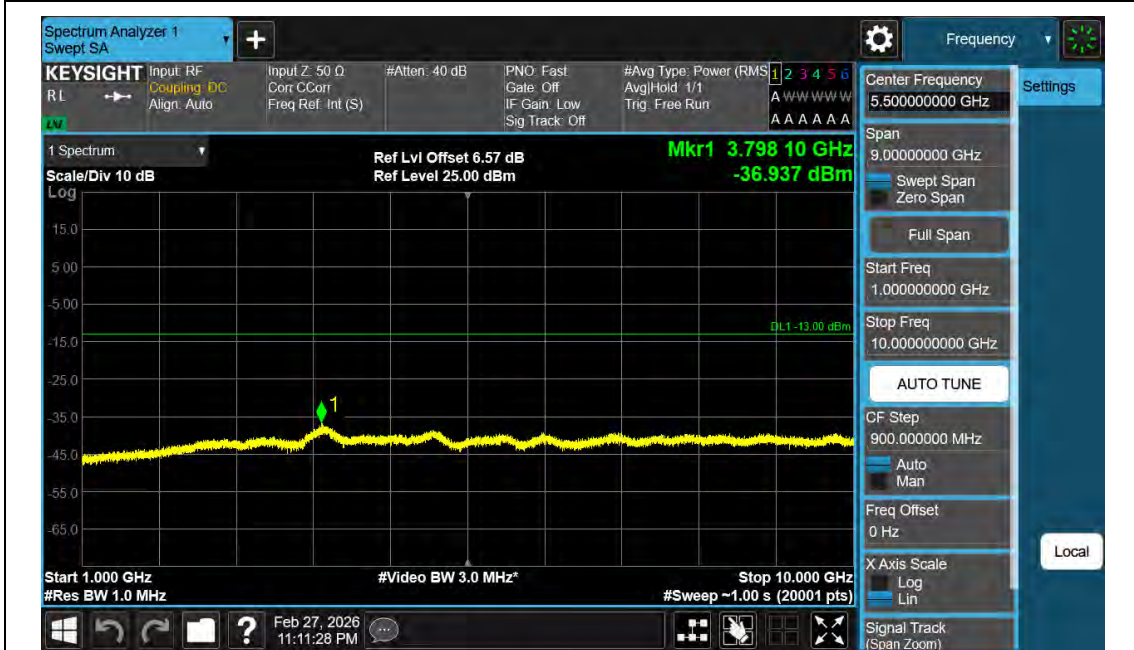
Band5-4132-3-0.15~30MHz-PASS



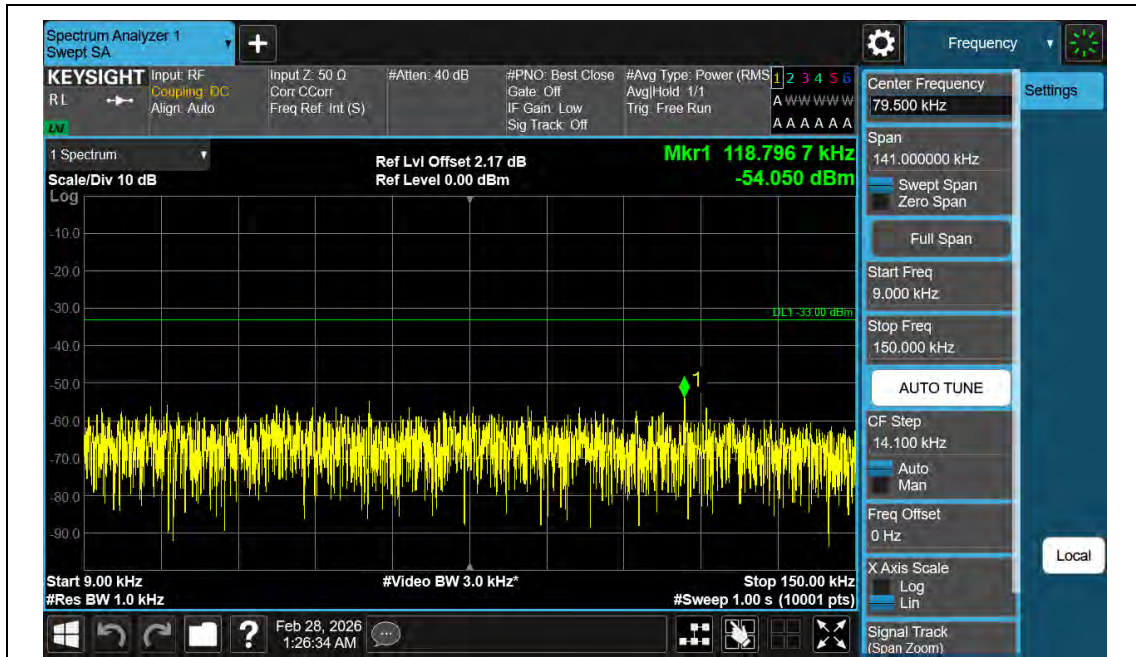
Band5-4132-3-30~1000MHz-PASS



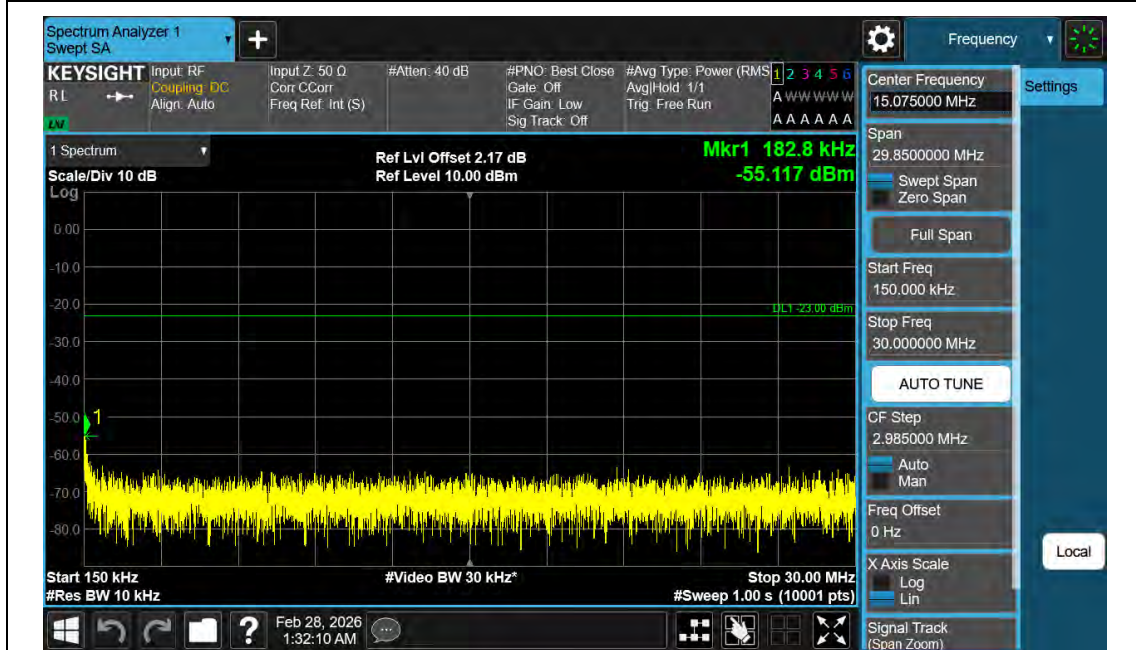
Band5-4132-3-1000~10000MHz-PASS



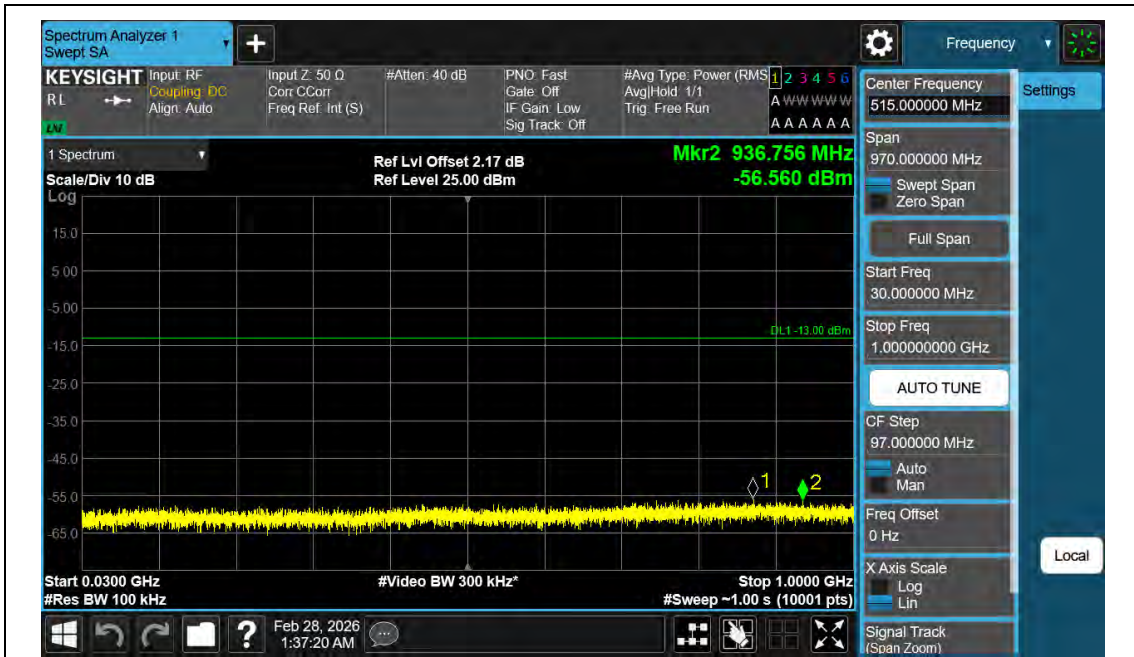
Band5-4132-4-0.009~0.15MHz-PASS



Band5-4132-4-0.15~30MHz-PASS



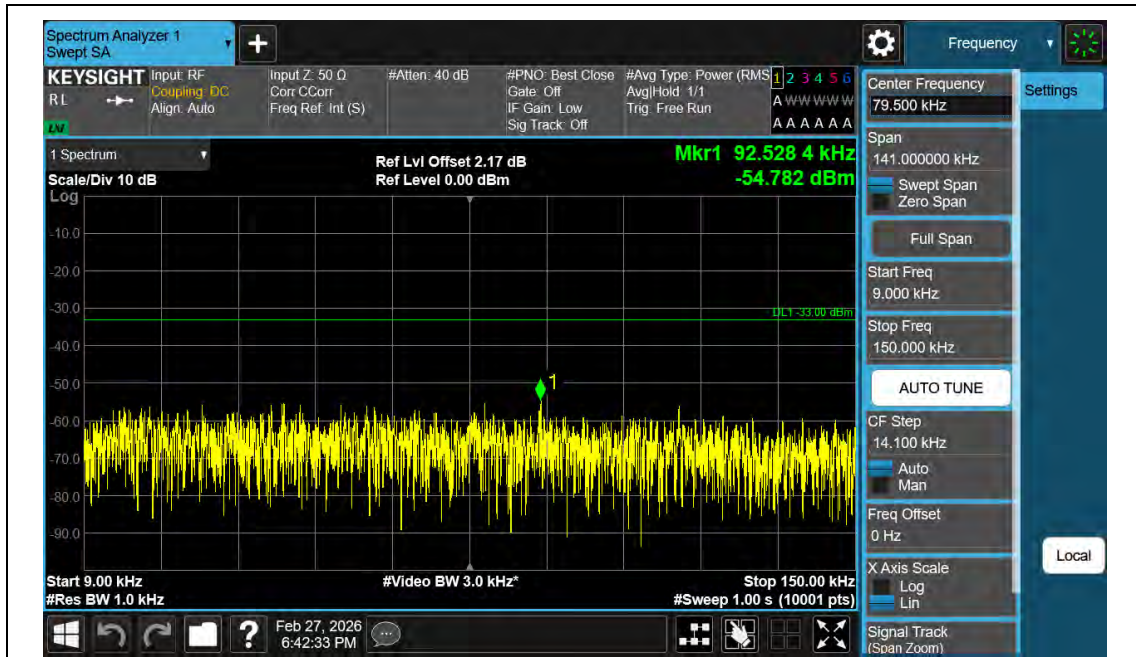
Band5-4132-4-30~1000MHz-PASS



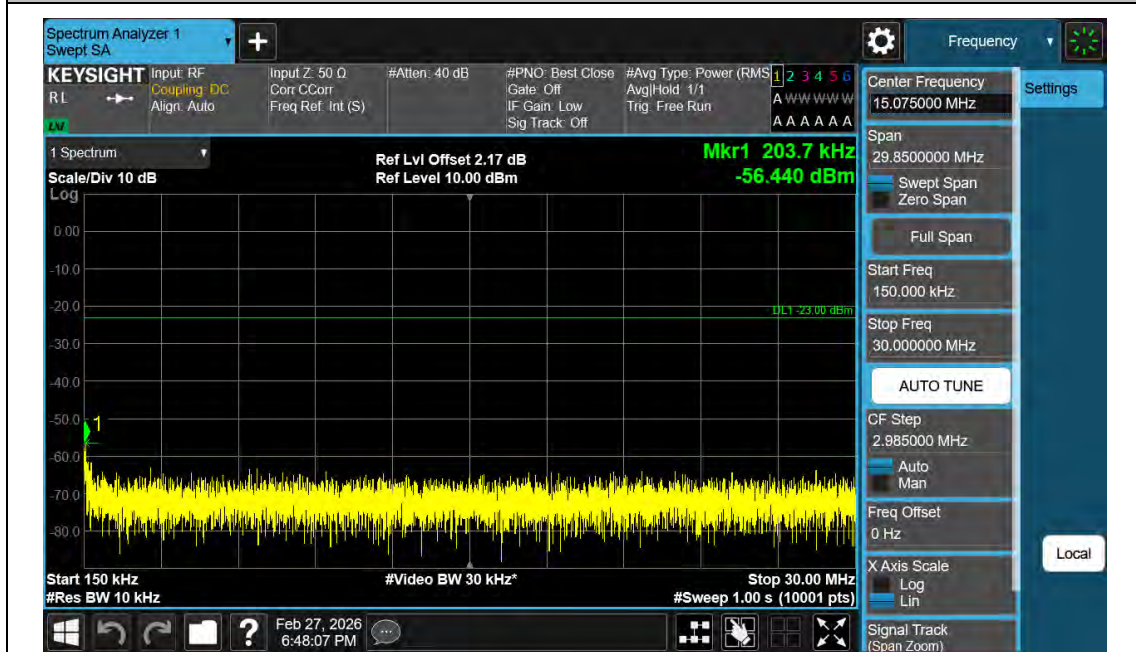
Band5-4132-4-1000~10000MHz-PASS



Band5-4182-1-0.009~0.15MHz-PASS



Band5-4182-1-0.15~30MHz-PASS



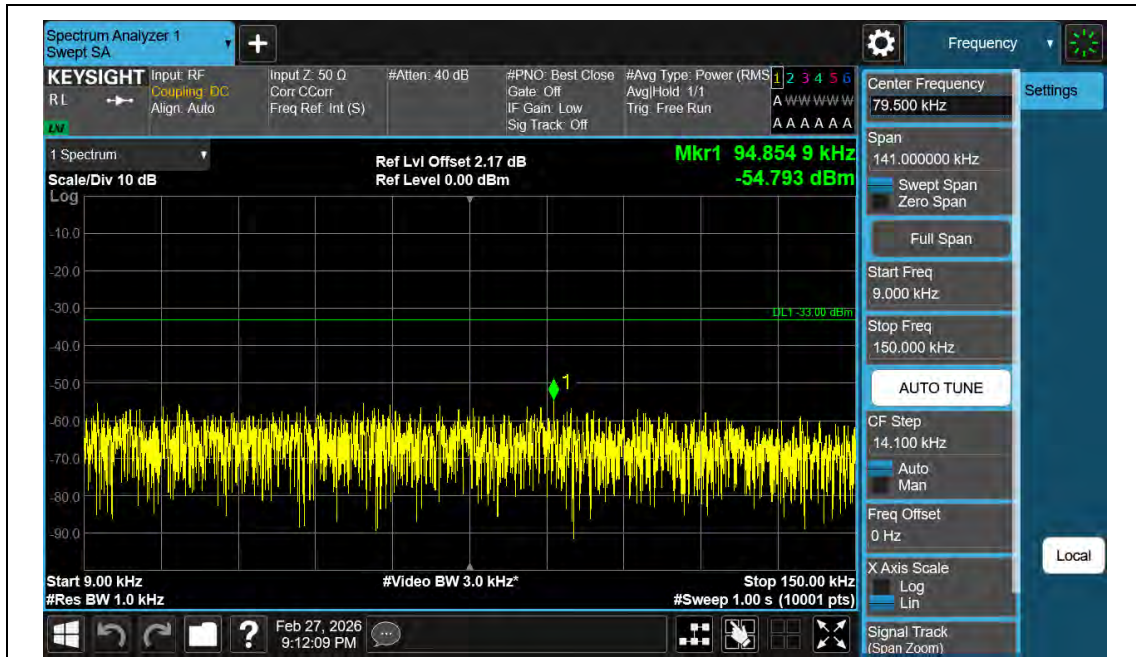
Band5-4182-1-30~1000MHz-PASS



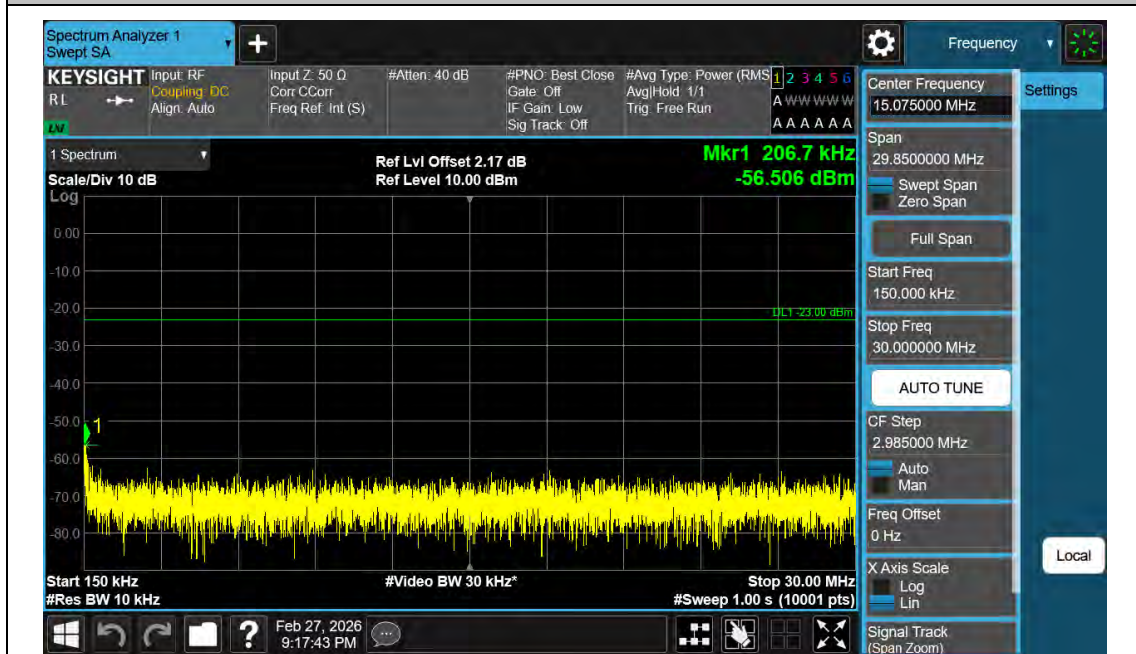
Band5-4182-1-1000~10000MHz-PASS



Band5-4182-2-0.009~0.15MHz-PASS



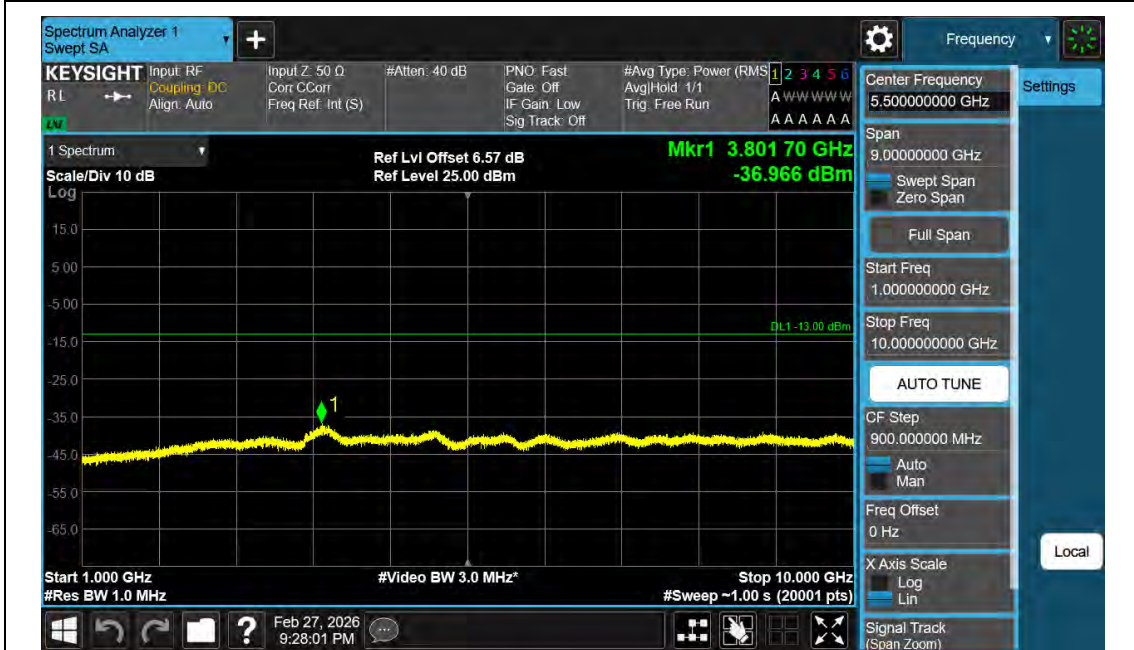
Band5-4182-2-0.15~30MHz-PASS



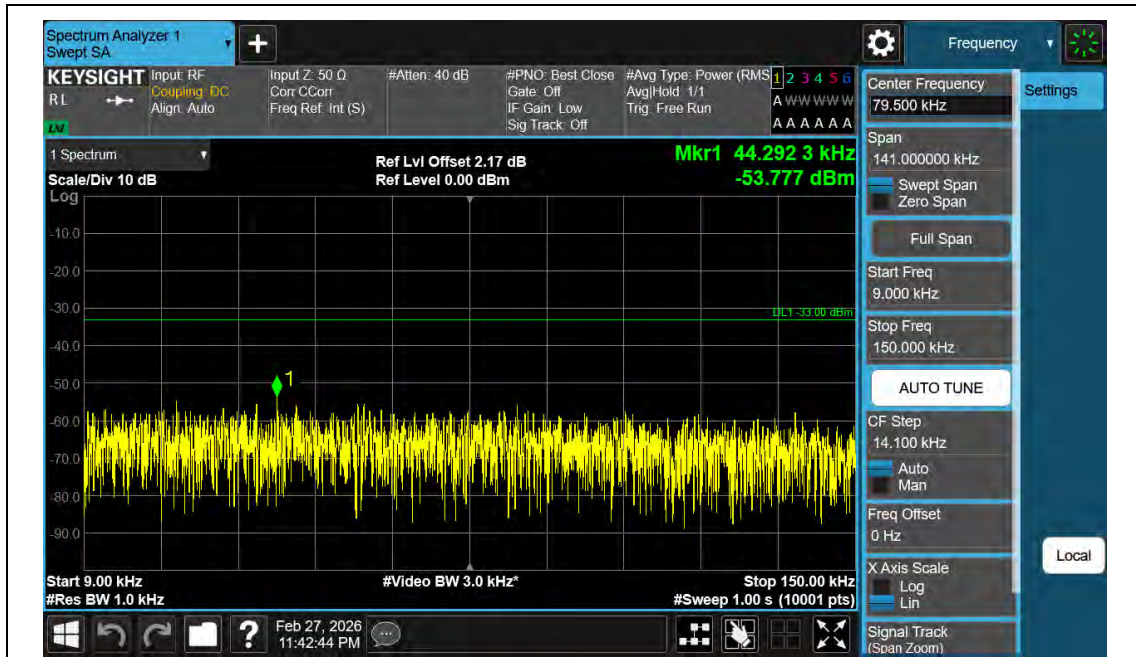
Band5-4182-2-30~1000MHz-PASS



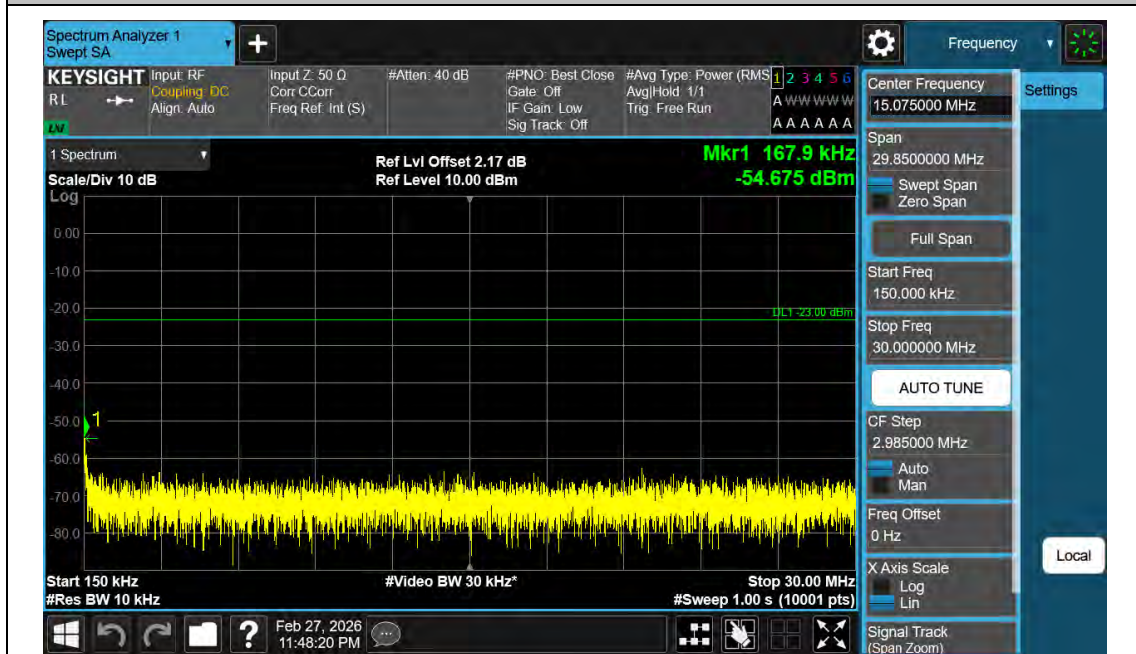
Band5-4182-2-1000~10000MHz-PASS



Band5-4182-3-0.009~0.15MHz-PASS



Band5-4182-3-0.15~30MHz-PASS



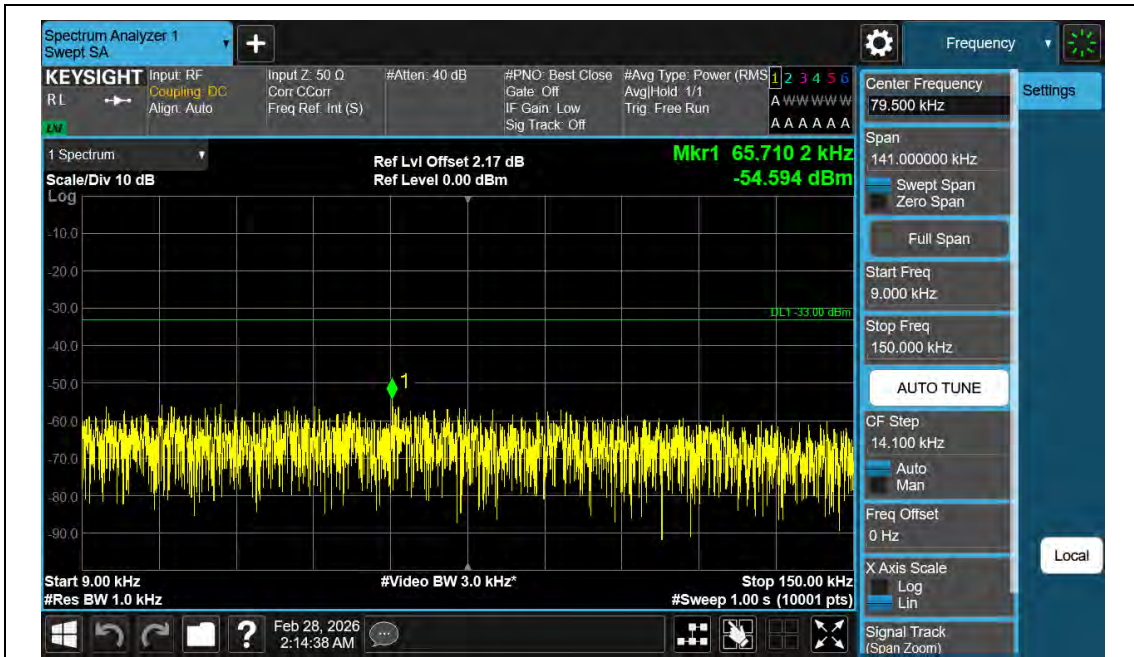
Band5-4182-3-30~1000MHz-PASS



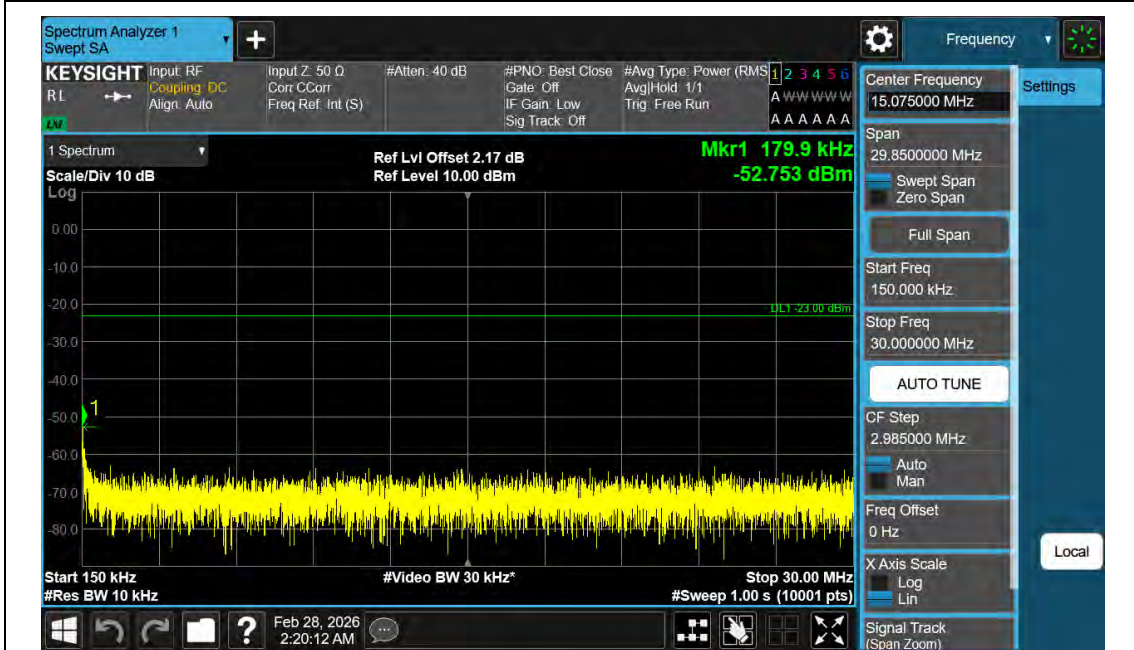
Band5-4182-3-1000~10000MHz-PASS



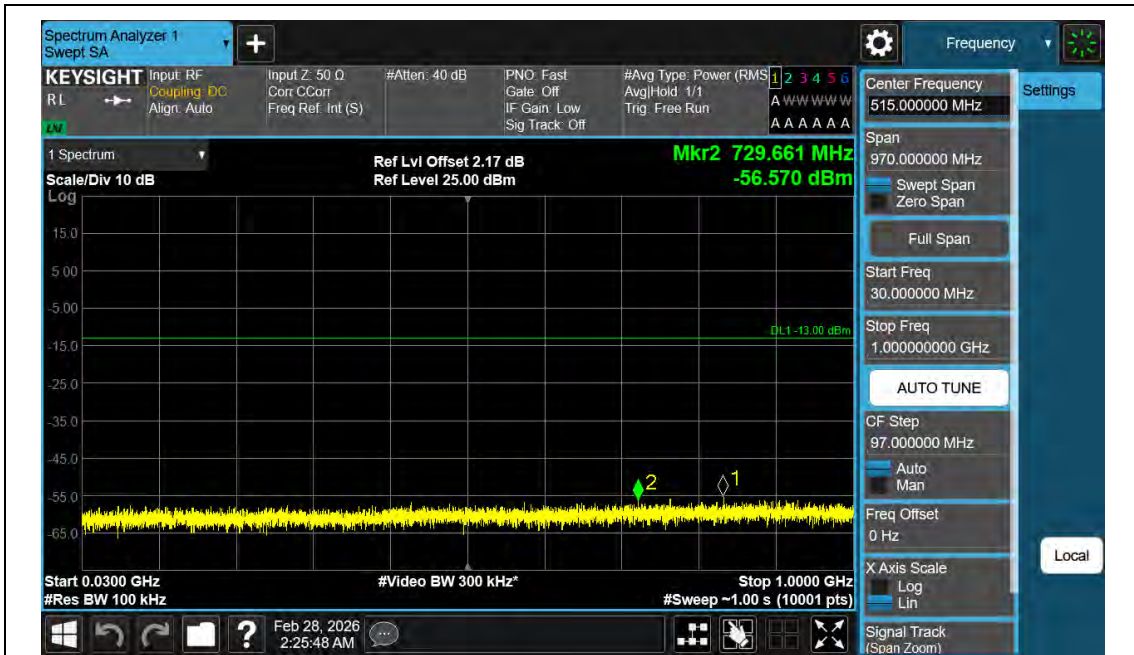
Band5-4182-4-0.009~0.15MHz-PASS



Band5-4182-4-0.15~30MHz-PASS



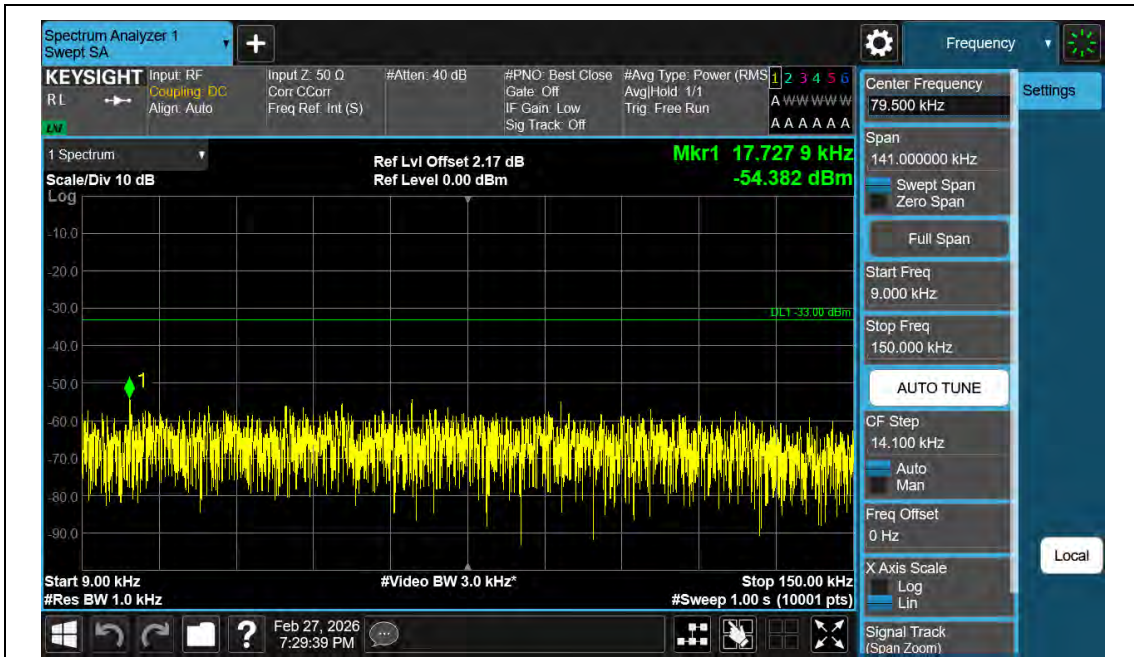
Band5-4182-4-30~1000MHz-PASS



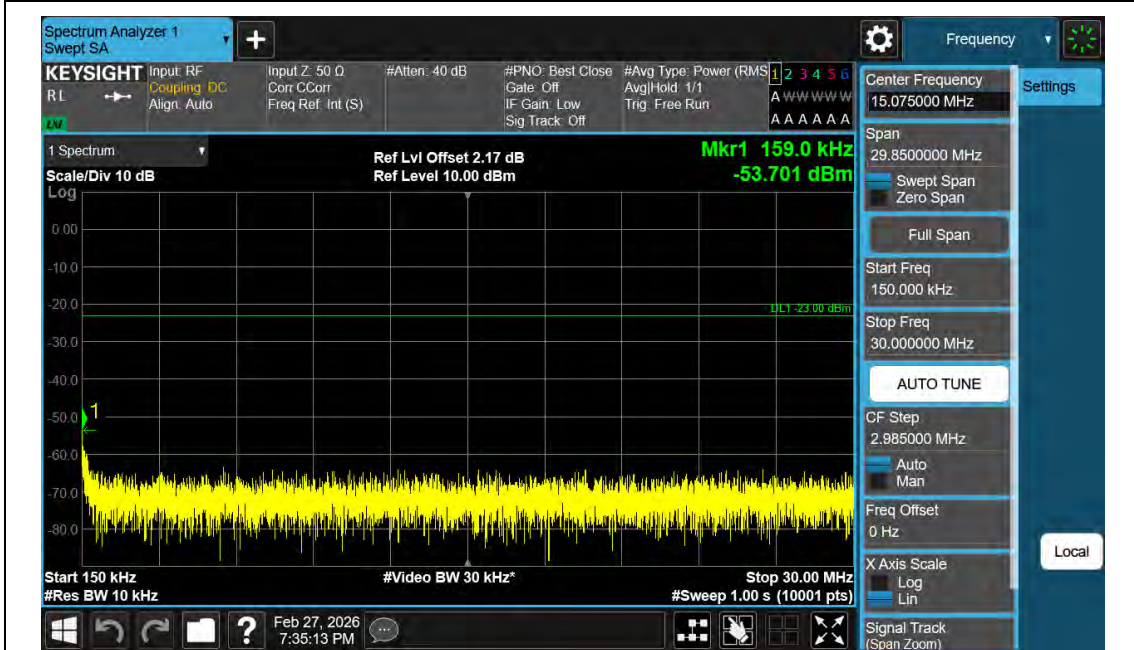
Band5-4182-4-1000~10000MHz-PASS



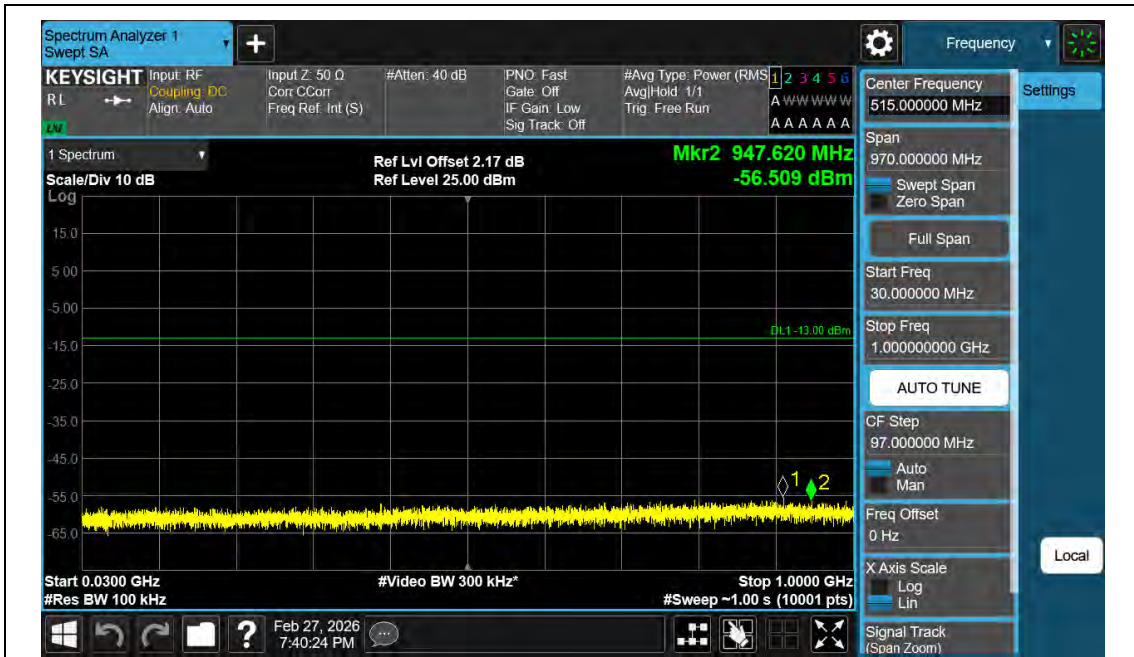
Band5-4233-1-0.009~0.15MHz-PASS



Band5-4233-1-0.15~30MHz-PASS



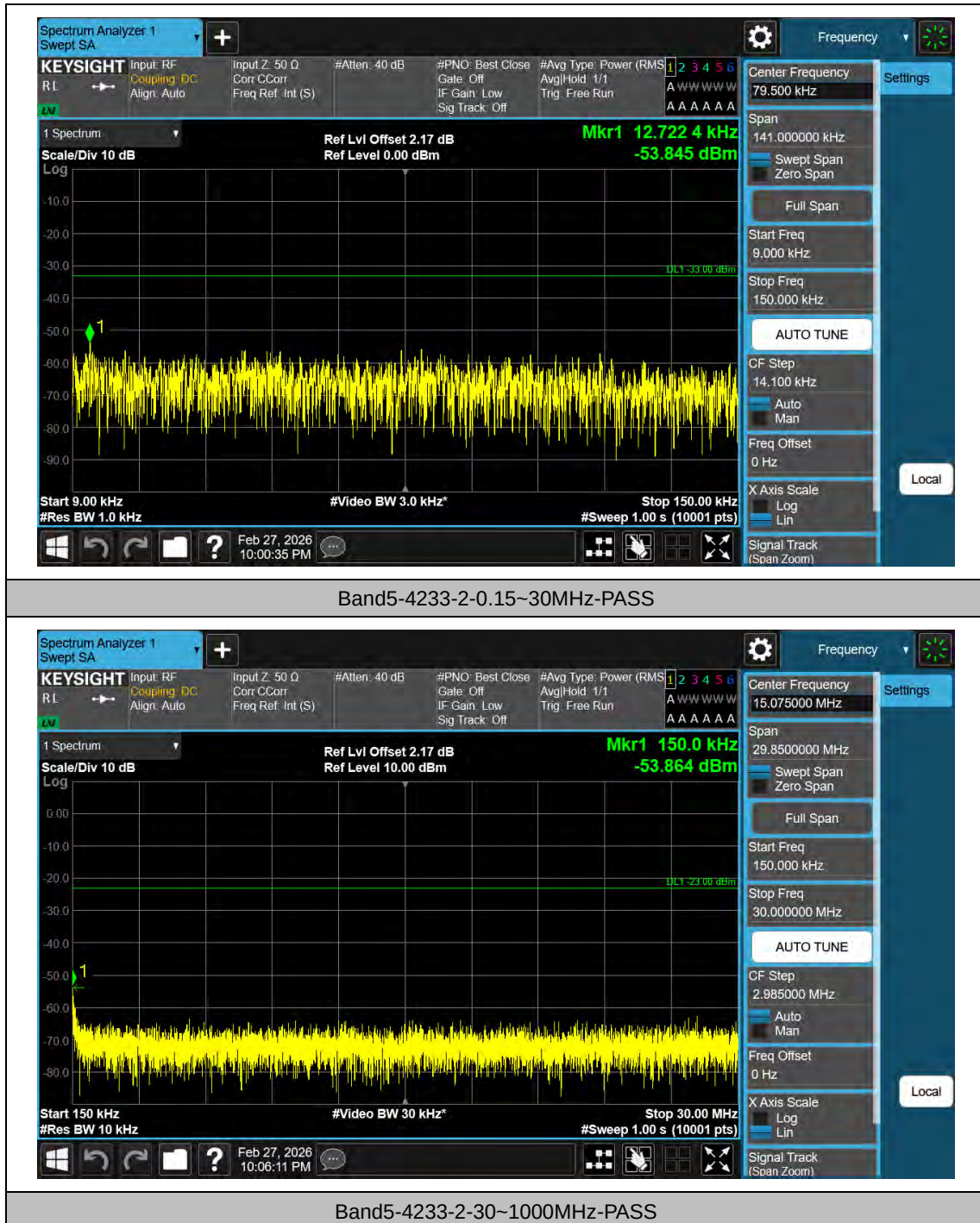
Band5-4233-1-30~1000MHz-PASS



Band5-4233-1-1000~10000MHz-PASS



Band5-4233-2-0.009~0.15MHz-PASS

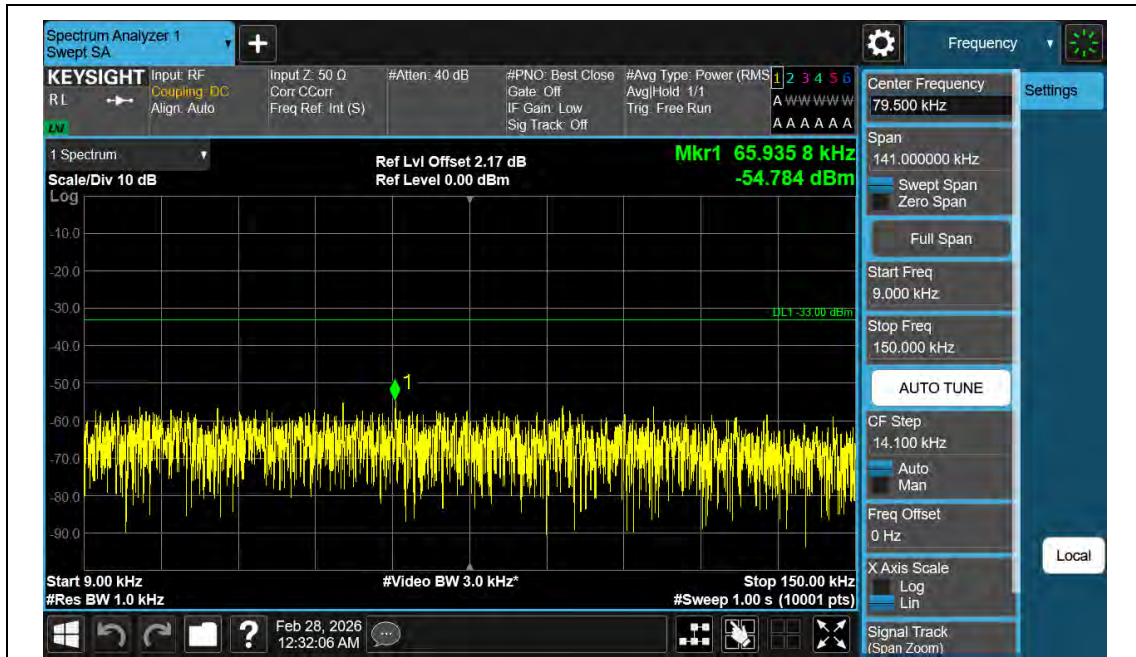




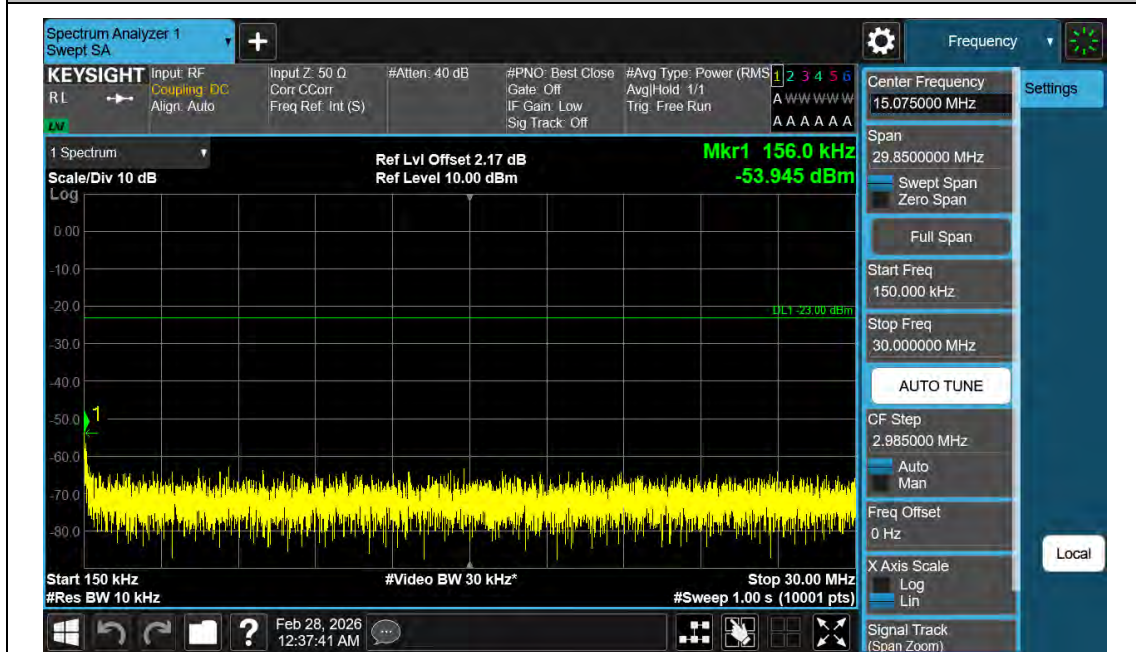
Band5-4233-2-1000~10000MHz-PASS



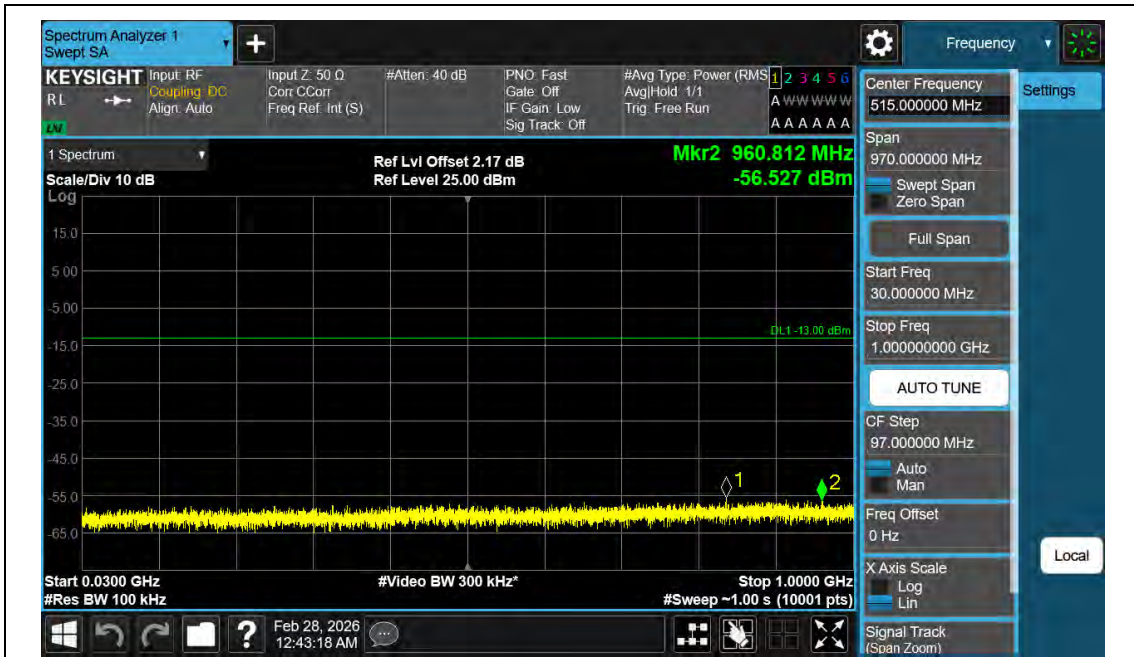
Band5-4233-3-0.009~0.15MHz-PASS



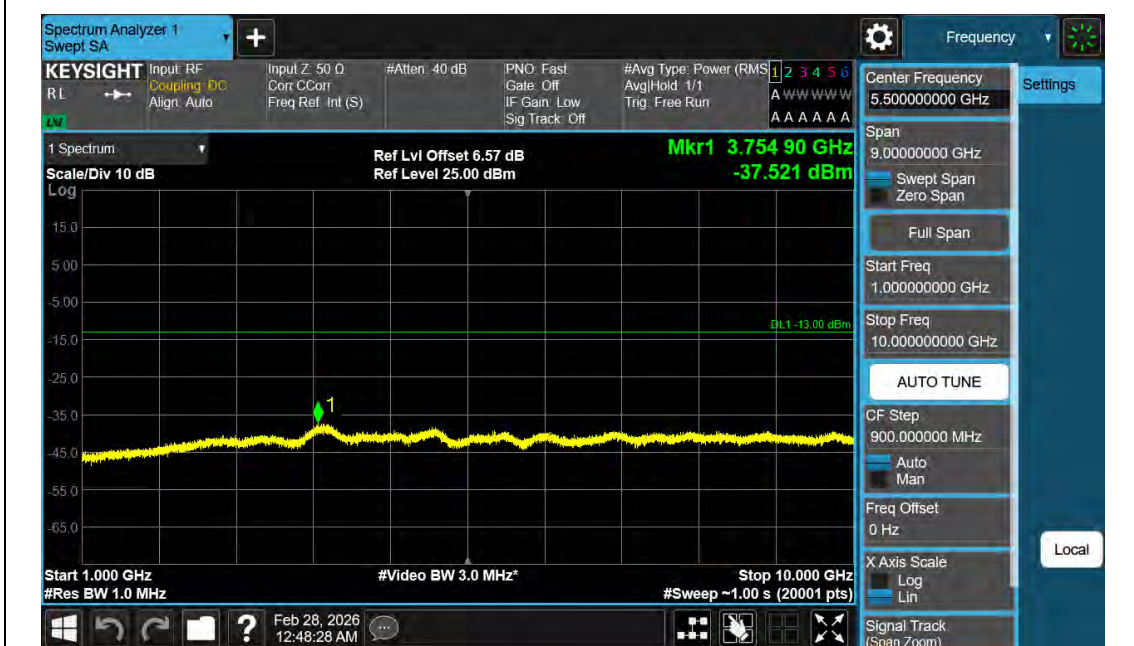
Band5-4233-3-0.15~30MHz-PASS



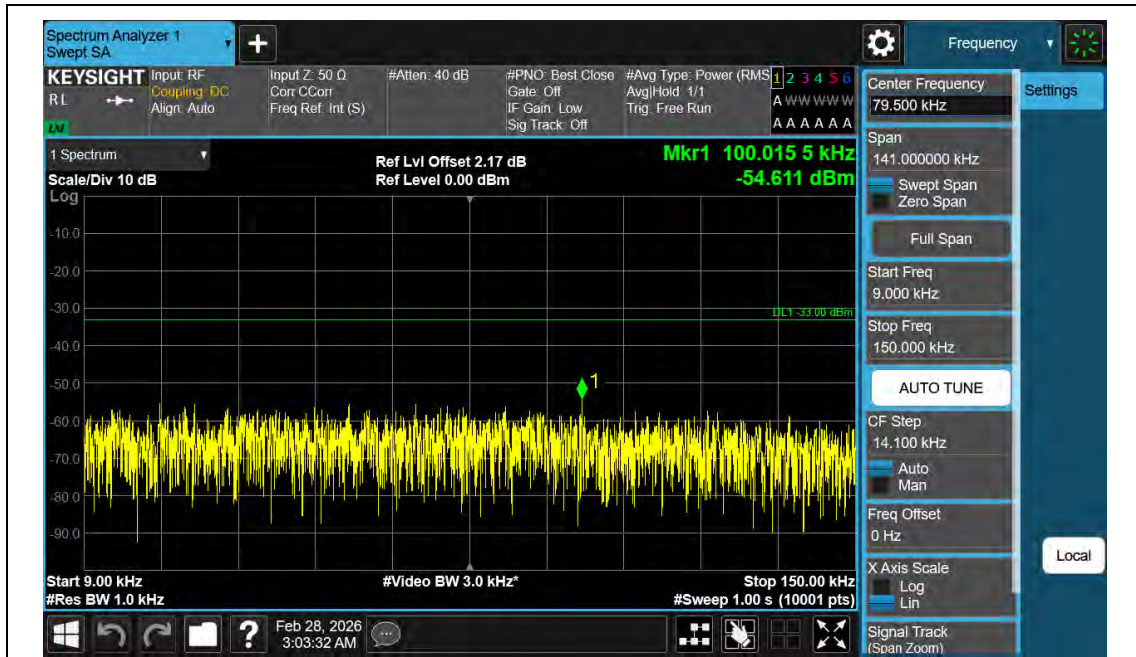
Band5-4233-3-30~1000MHz-PASS



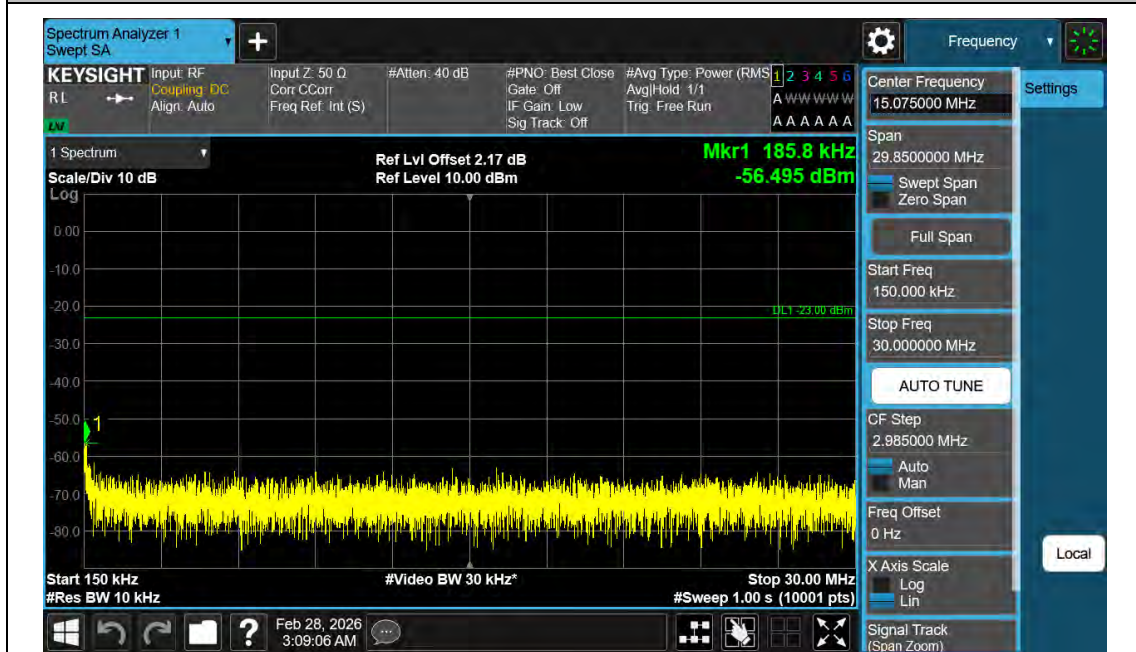
Band5-4233-3-1000~10000MHz-PASS



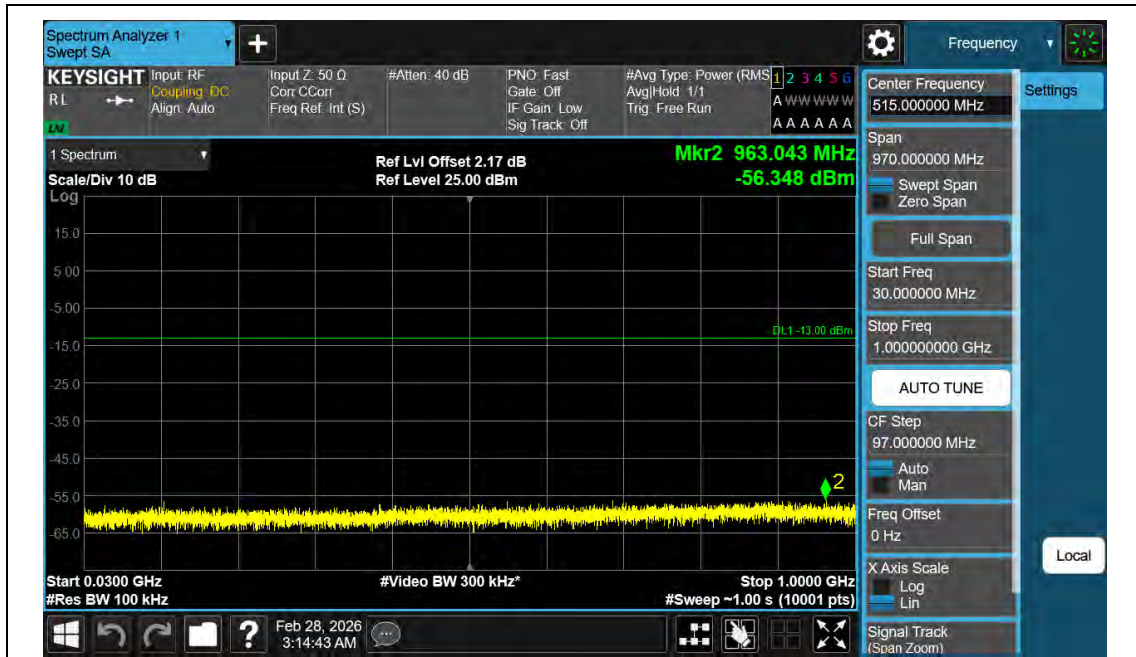
Band5-4233-4-0.009~0.15MHz-PASS



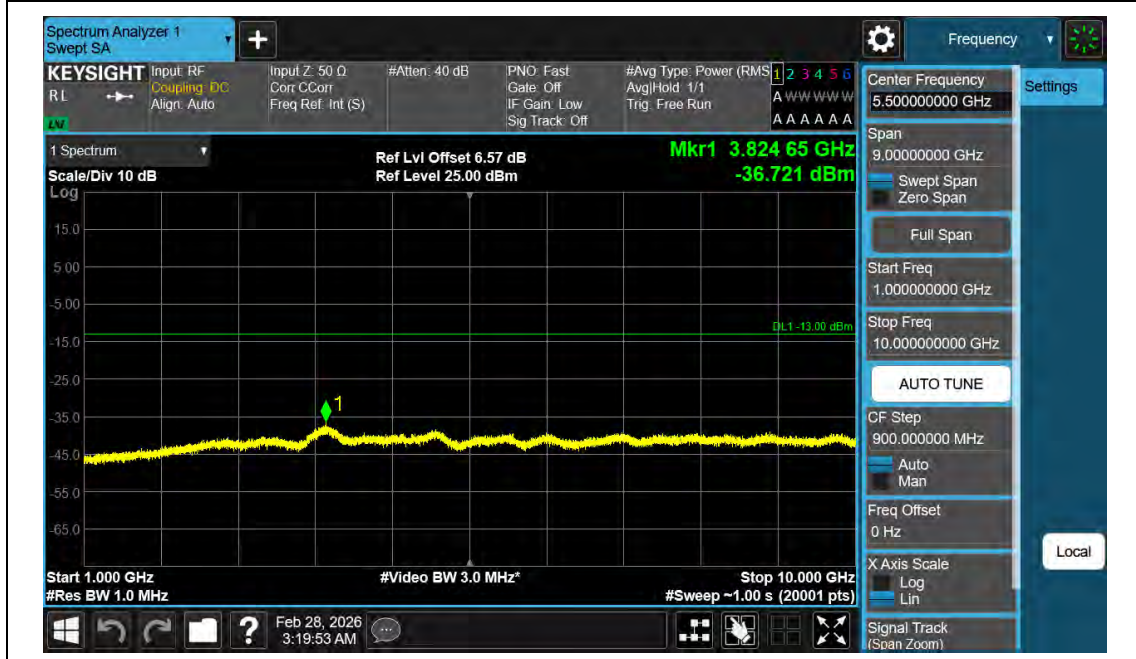
Band5-4233-4-0.15~30MHz-PASS



Band5-4233-4-30~1000MHz-PASS



Band5-4233-4-1000~10000MHz-PASS



Appendix F: Frequency Stability

Test Result (WCDMA)

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	VN	NT	-2.82	-0.003412	±2.5	PASS
Band5	4132	VL	NT	-3.01	-0.003642	±2.5	PASS
Band5	4132	VH	NT	-0.45	-0.000545	±2.5	PASS
Band5	4182	VN	NT	1.05	0.001255	±2.5	PASS
Band5	4182	VL	NT	0.03	0.000036	±2.5	PASS
Band5	4182	VH	NT	0.71	0.000849	±2.5	PASS
Band5	4233	VN	NT	2.93	0.003461	±2.5	PASS
Band5	4233	VL	NT	2.88	0.003402	±2.5	PASS
Band5	4233	VH	NT	2.41	0.002847	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	NV	-20	-0.22	-0.000266	±2.5	PASS
Band5	4132	NV	-10	-2.44	-0.002953	±2.5	PASS
Band5	4132	NV	0	-1.31	-0.001585	±2.5	PASS
Band5	4132	NV	10	-1.66	-0.002009	±2.5	PASS
Band5	4132	NV	20	-1.69	-0.002045	±2.5	PASS
Band5	4132	NV	30	-2.08	-0.002517	±2.5	PASS
Band5	4132	NV	40	-1.24	-0.001500	±2.5	PASS
Band5	4132	NV	50	-0.22	-0.000266	±2.5	PASS
Band5	4132	NV	-30	-3.21	-0.003884	±2.5	PASS
Band5	4182	NV	-30	-0.36	-0.000430	±2.5	PASS
Band5	4182	NV	-20	0.26	0.000311	±2.5	PASS
Band5	4182	NV	-10	-0.26	-0.000311	±2.5	PASS
Band5	4182	NV	0	-1.59	-0.001901	±2.5	PASS
Band5	4182	NV	10	-0.48	-0.000574	±2.5	PASS
Band5	4182	NV	20	1.26	0.001506	±2.5	PASS
Band5	4182	NV	30	-1.11	-0.001327	±2.5	PASS
Band5	4182	NV	40	0.02	0.000024	±2.5	PASS
Band5	4182	NV	50	-1.61	-0.001925	±2.5	PASS
Band5	4233	NV	-30	0.81	0.000957	±2.5	PASS
Band5	4233	NV	-20	2.87	0.003390	±2.5	PASS
Band5	4233	NV	-10	1.46	0.001725	±2.5	PASS
Band5	4233	NV	0	1.66	0.001961	±2.5	PASS
Band5	4233	NV	10	0.78	0.000921	±2.5	PASS

Band5	4233	NV	20	0.94	0.001110	±2.5	PASS
Band5	4233	NV	30	1.43	0.001689	±2.5	PASS
Band5	4233	NV	40	1.02	0.001205	±2.5	PASS
Band5	4233	NV	50	0.76	0.000898	±2.5	PASS

Test Result(HSDPA)

Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	1	VN	NT	-2.06	-0.002493	±2.5	PASS
Band5	4132	1	VL	NT	-2.60	-0.003146	±2.5	PASS
Band5	4132	1	VH	NT	-2.72	-0.003291	±2.5	PASS
Band5	4182	1	VN	NT	0.69	0.000825	±2.5	PASS
Band5	4182	1	VL	NT	1.84	0.002200	±2.5	PASS
Band5	4182	1	VH	NT	0.84	0.001004	±2.5	PASS
Band5	4233	1	VN	NT	0.89	0.001051	±2.5	PASS
Band5	4233	1	VL	NT	2.80	0.003307	±2.5	PASS
Band5	4233	1	VH	NT	-0.45	-0.000532	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	1	NV	-30	-1.24	-0.001500	±2.5	PASS
Band5	4132	1	NV	-20	-1.42	-0.001718	±2.5	PASS
Band5	4132	1	NV	-10	-1.06	-0.001283	±2.5	PASS
Band5	4132	1	NV	0	-0.12	-0.000145	±2.5	PASS
Band5	4132	1	NV	10	-2.24	-0.002711	±2.5	PASS
Band5	4132	1	NV	20	-2.24	-0.002711	±2.5	PASS
Band5	4132	1	NV	30	-1.25	-0.001513	±2.5	PASS
Band5	4132	1	NV	40	-1.74	-0.002106	±2.5	PASS
Band5	4132	1	NV	50	-1.50	-0.001815	±2.5	PASS
Band5	4182	1	NV	-30	0.58	0.000693	±2.5	PASS
Band5	4182	1	NV	-20	1.68	0.002009	±2.5	PASS
Band5	4182	1	NV	-10	0.66	0.000789	±2.5	PASS
Band5	4182	1	NV	0	2.10	0.002511	±2.5	PASS
Band5	4182	1	NV	10	0.60	0.000717	±2.5	PASS
Band5	4182	1	NV	20	0.67	0.000801	±2.5	PASS
Band5	4182	1	NV	30	0.13	0.000155	±2.5	PASS
Band5	4182	1	NV	40	1.99	0.002379	±2.5	PASS
Band5	4182	1	NV	50	1.22	0.001459	±2.5	PASS
Band5	4233	1	NV	-30	1.58	0.001866	±2.5	PASS
Band5	4233	1	NV	-20	0.35	0.000413	±2.5	PASS



Band5	4233	1	NV	-10	1.37	0.001618	±2.5	PASS
Band5	4233	1	NV	0	1.37	0.001618	±2.5	PASS
Band5	4233	1	NV	10	1.40	0.001654	±2.5	PASS
Band5	4233	1	NV	20	0.08	0.000094	±2.5	PASS
Band5	4233	1	NV	30	1.39	0.001642	±2.5	PASS
Band5	4233	1	NV	40	-1.75	-0.002067	±2.5	PASS
Band5	4233	1	NV	50	0.55	0.000650	±2.5	PASS