

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result(WCDMA)

Band	Type	Channel	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	Voice	9262	23.44	23.80	33	PASS
Band2	TestMode	9262	23.45	23.81	33	PASS
Band2	TestMode	9400	23.40	23.76	33	PASS
Band2	Voice	9400	23.49	23.85	33	PASS
Band2	TestMode	9538	23.74	24.10	33	PASS
Band2	Voice	9538	23.66	24.02	33	PASS
Band4	Voice	1312	23.66	24.03	30	PASS
Band4	TestMode	1312	23.73	24.10	30	PASS
Band4	Voice	1413	23.86	24.23	30	PASS
Band4	TestMode	1413	23.92	24.29	30	PASS
Band4	TestMode	1513	23.67	24.04	30	PASS
Band4	Voice	1513	23.65	24.02	30	PASS
Band5	Voice	4132	24.22	22.23	38.5	PASS
Band5	TestMode	4132	24.28	22.29	38.5	PASS
Band5	TestMode	4183	24.42	22.43	38.5	PASS
Band5	Voice	4183	24.30	22.31	38.5	PASS
Band5	Voice	4233	24.43	22.44	38.5	PASS
Band5	TestMode	4233	24.43	22.44	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.52	22.88	33	PASS
Band2	9262	2	21.98	22.34	33	PASS
Band2	9262	3	21.97	22.33	33	PASS
Band2	9262	4	21.93	22.29	33	PASS
Band2	9400	1	22.46	22.82	33	PASS
Band2	9400	2	21.94	22.30	33	PASS
Band2	9400	3	21.93	22.29	33	PASS
Band2	9400	4	21.92	22.28	33	PASS
Band2	9538	1	22.75	23.11	33	PASS
Band2	9538	2	22.20	22.56	33	PASS
Band2	9538	3	22.17	22.53	33	PASS
Band2	9538	4	22.22	22.58	33	PASS

Band4	1312	1	22.74	23.11	30	PASS
Band4	1312	2	22.37	22.74	30	PASS
Band4	1312	3	22.22	22.59	30	PASS
Band4	1312	4	22.18	22.55	30	PASS
Band4	1413	1	22.97	23.34	30	PASS
Band4	1413	2	22.52	22.89	30	PASS
Band4	1413	3	22.43	22.8	30	PASS
Band4	1413	4	22.42	22.79	30	PASS
Band4	1513	1	22.71	23.08	30	PASS
Band4	1513	2	22.30	22.67	30	PASS
Band4	1513	3	22.25	22.62	30	PASS
Band4	1513	4	22.18	22.55	30	PASS
Band5	4132	1	23.32	21.33	38.5	PASS
Band5	4132	2	22.80	20.81	38.5	PASS
Band5	4132	3	22.77	20.78	38.5	PASS
Band5	4132	4	22.79	20.80	38.5	PASS
Band5	4183	1	23.45	21.46	38.5	PASS
Band5	4183	2	22.95	20.96	38.5	PASS
Band5	4183	3	22.99	21.00	38.5	PASS
Band5	4183	4	22.95	20.96	38.5	PASS
Band5	4233	1	23.45	21.46	38.5	PASS
Band5	4233	2	22.89	20.90	38.5	PASS
Band5	4233	3	22.96	20.97	38.5	PASS
Band5	4233	4	22.89	20.90	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.47	20.83	33	PASS
Band2	9262	2	20.98	21.34	33	PASS
Band2	9262	3	21.47	21.83	33	PASS
Band2	9262	4	20.52	20.88	33	PASS
Band2	9262	5	22.44	22.80	33	PASS
Band2	9400	1	20.42	20.78	33	PASS
Band2	9400	2	20.94	21.30	33	PASS
Band2	9400	3	21.42	21.78	33	PASS
Band2	9400	4	20.44	20.80	33	PASS
Band2	9400	5	22.40	22.76	33	PASS
Band2	9538	1	20.69	21.05	33	PASS
Band2	9538	2	21.19	21.55	33	PASS
Band2	9538	3	21.67	22.03	33	PASS

Band2	9538	4	20.70	21.06	33	PASS
Band2	9538	5	22.67	23.03	33	PASS
Band4	1312	1	20.74	21.11	30	PASS
Band4	1312	2	21.24	21.61	30	PASS
Band4	1312	3	21.74	22.11	30	PASS
Band4	1312	4	20.75	21.12	30	PASS
Band4	1312	5	22.77	23.14	30	PASS
Band4	1413	1	20.95	21.32	30	PASS
Band4	1413	2	21.47	21.84	30	PASS
Band4	1413	3	21.91	22.28	30	PASS
Band4	1413	4	20.97	21.34	30	PASS
Band4	1413	5	22.86	23.23	30	PASS
Band4	1513	1	20.68	21.05	30	PASS
Band4	1513	2	21.21	21.58	30	PASS
Band4	1513	3	21.69	22.06	30	PASS
Band4	1513	4	20.72	21.09	30	PASS
Band4	1513	5	22.73	23.10	30	PASS
Band5	4132	1	21.31	19.32	38.5	PASS
Band5	4132	2	21.81	19.82	38.5	PASS
Band5	4132	3	22.33	20.34	38.5	PASS
Band5	4132	4	21.34	19.35	38.5	PASS
Band5	4132	5	23.35	21.36	38.5	PASS
Band5	4183	1	21.49	19.50	38.5	PASS
Band5	4183	2	21.96	19.97	38.5	PASS
Band5	4183	3	22.48	20.49	38.5	PASS
Band5	4183	4	21.51	19.52	38.5	PASS
Band5	4183	5	23.49	21.50	38.5	PASS
Band5	4233	1	21.45	19.46	38.5	PASS
Band5	4233	2	21.95	19.96	38.5	PASS
Band5	4233	3	22.42	20.43	38.5	PASS
Band5	4233	4	21.45	19.46	38.5	PASS
Band5	4233	5	23.44	21.45	38.5	PASS

Remark: $EIRP (dBm) = \text{Conducted power (dBm)} + \text{Antenna Gain (dBi)}$. (For Band2)
 $ERP (dBm) = EIRP (dBm) - 2.15 (dB)$. (For Band5)

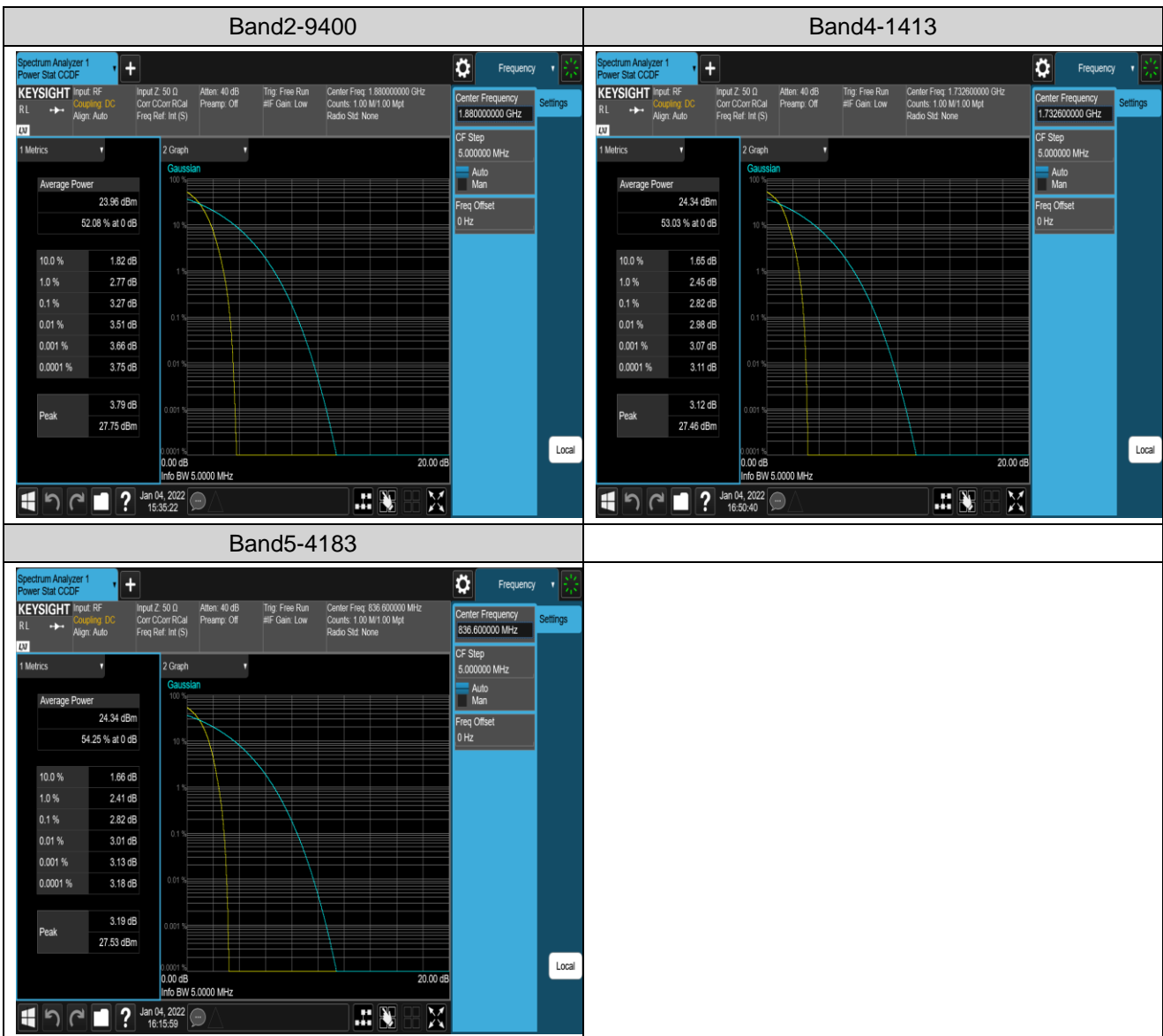
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.27	13	PASS
Band4	1413	2.82	13	PASS
Band5	4183	2.82	13	PASS

Remark: All channel had been tested, but only the worst case data displayed in this report.

Test Graphs(WCDMA)

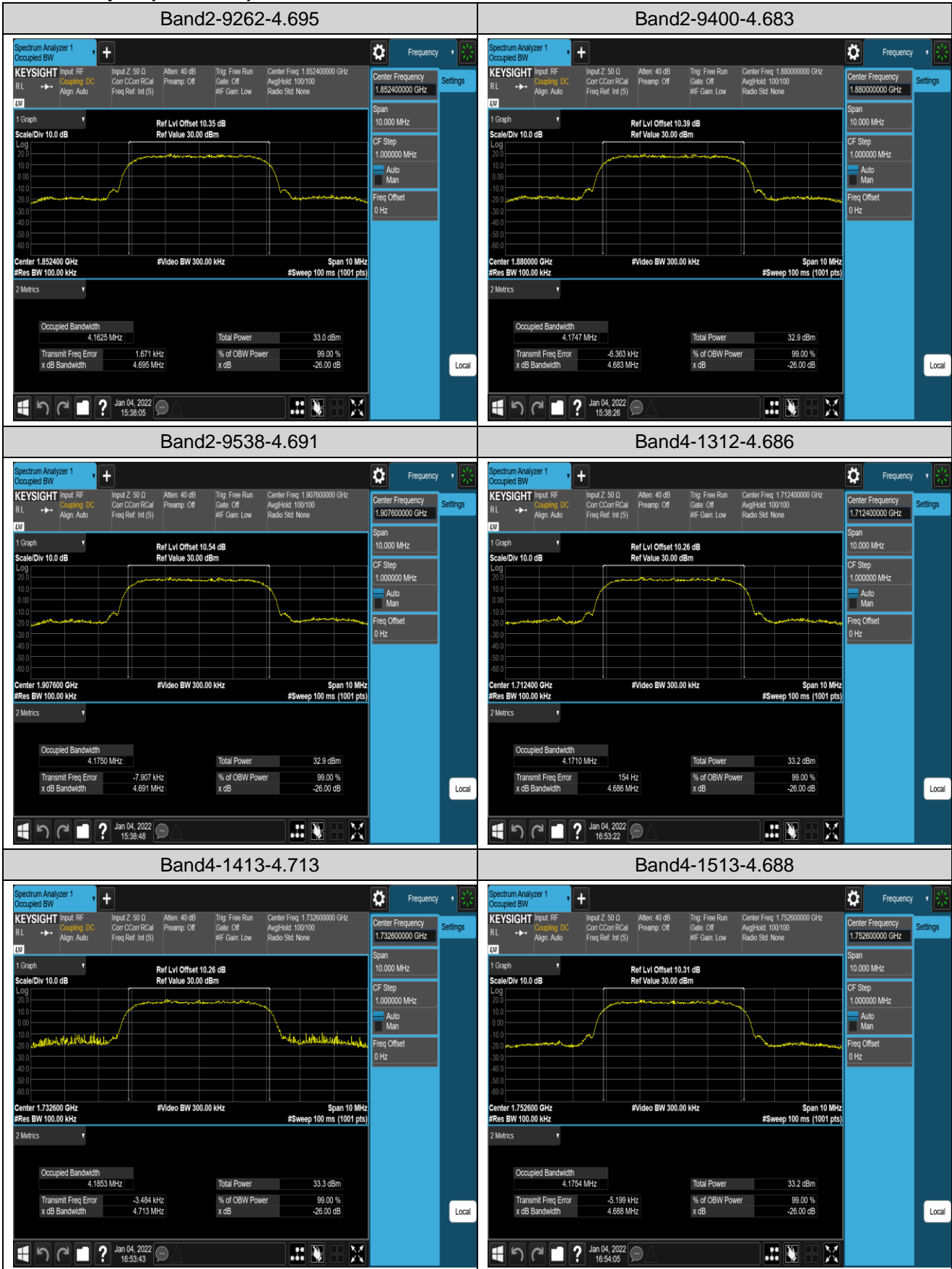


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1625	4.695	---	PASS
Band2	9400	4.1747	4.683	---	PASS
Band2	9538	4.1750	4.691	---	PASS
Band4	1312	4.1710	4.686	---	PASS
Band4	1413	4.1853	4.713	---	PASS
Band4	1513	4.1754	4.688	---	PASS
Band5	4132	4.1583	4.710	---	PASS
Band5	4183	4.1679	4.719	---	PASS
Band5	4233	4.1699	4.711	---	PASS

Test Graphs(WCDMA)



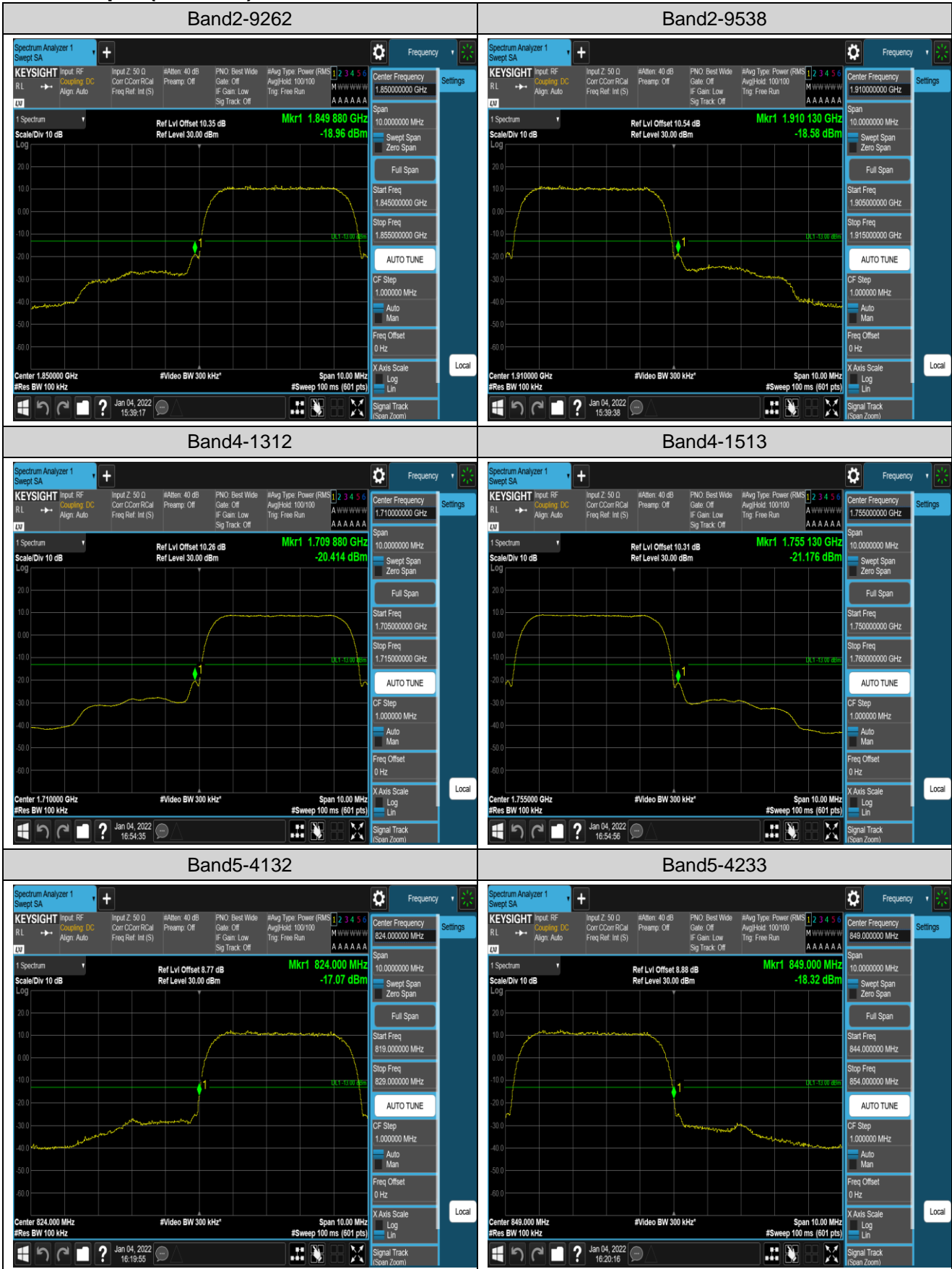


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1849.88	-18.96	-13	PASS
Band2	9538	1910.13	-18.58	-13	PASS
Band4	1312	1709.88	-20.41	-13	PASS
Band4	1513	1755.13	-21.18	-13	PASS
Band5	4132	824.00	-17.07	-13	PASS
Band5	4233	849.00	-18.32	-13	PASS

Test Graphs(WCDMA)

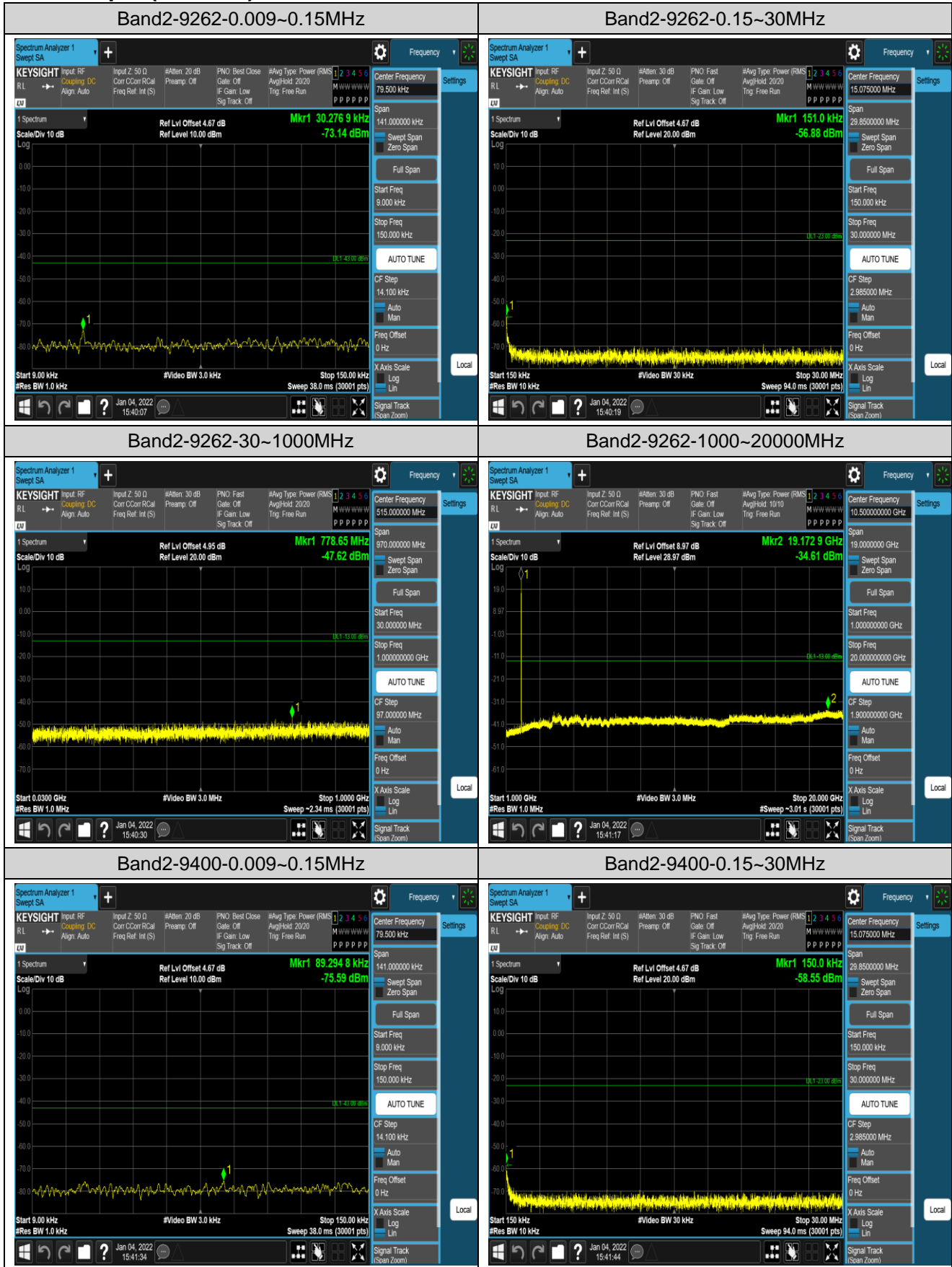


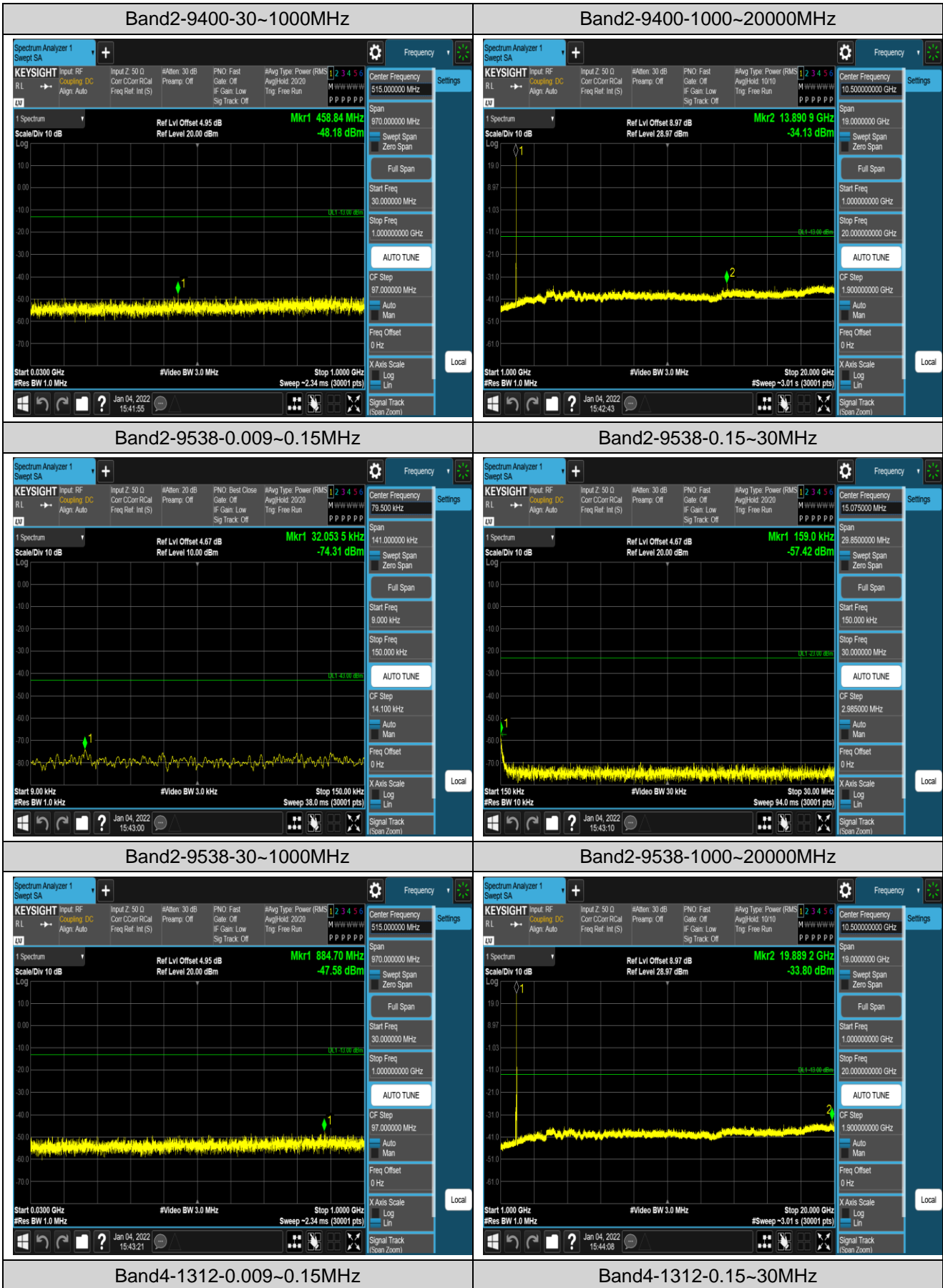
Appendix E: Conducted Spurious Emission

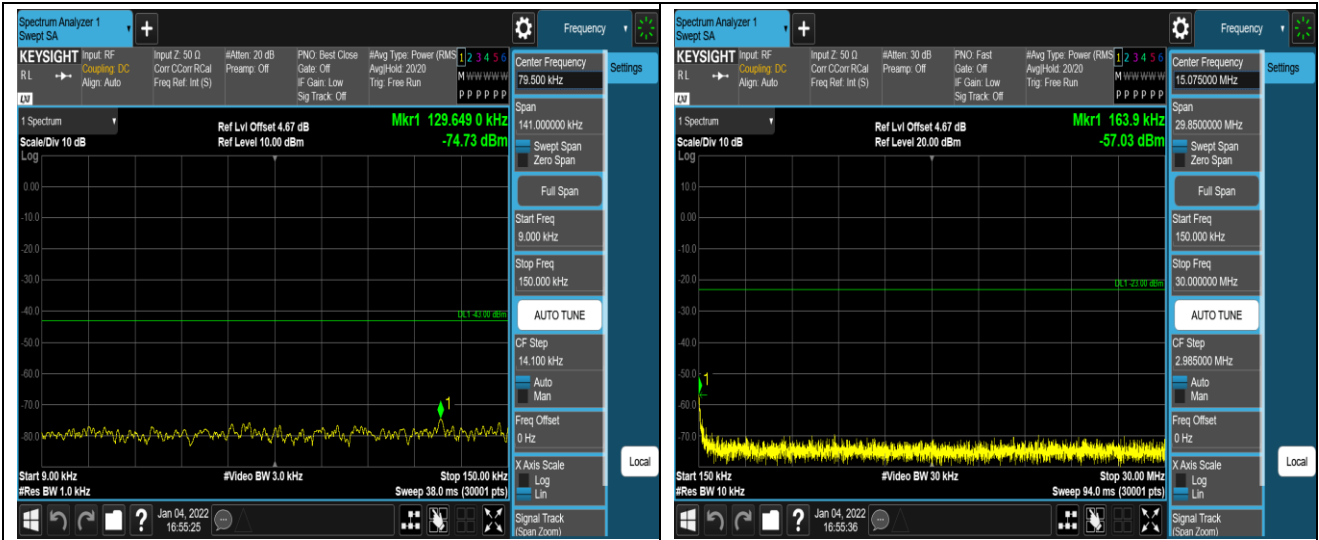
Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.03	-73.14	-43	PASS
Band2	9262	0.15~30MHz	0.15	-56.88	-23	PASS
Band2	9262	30~1000MHz	778.65	-47.62	-13	PASS
Band2	9262	1000~20000MHz	19172.87	-34.61	-13	PASS
Band2	9400	0.009~0.15MHz	0.09	-75.59	-43	PASS
Band2	9400	0.15~30MHz	0.15	-58.55	-23	PASS
Band2	9400	30~1000MHz	458.84	-48.18	-13	PASS
Band2	9400	1000~20000MHz	13890.87	-34.13	-13	PASS
Band2	9538	0.009~0.15MHz	0.03	-74.31	-43	PASS
Band2	9538	0.15~30MHz	0.16	-57.42	-23	PASS
Band2	9538	30~1000MHz	884.7	-47.58	-13	PASS
Band2	9538	1000~20000MHz	19889.17	-33.8	-13	PASS
Band4	1312	0.009~0.15MHz	0.13	-74.73	-43	PASS
Band4	1312	0.15~30MHz	0.16	-57.04	-23	PASS
Band4	1312	30~1000MHz	911.73	-47.83	-13	PASS
Band4	1312	1000~20000MHz	3422.5	-29.96	-13	PASS
Band4	1413	0.009~0.15MHz	0.05	-74.96	-43	PASS
Band4	1413	0.15~30MHz	0.16	-58.98	-23	PASS
Band4	1413	30~1000MHz	714.17	-47.14	-13	PASS
Band4	1413	1000~20000MHz	3463.03	-32.79	-13	PASS
Band4	1513	0.009~0.15MHz	0.12	-74.52	-43	PASS
Band4	1513	0.15~30MHz	0.19	-55.52	-23	PASS
Band4	1513	30~1000MHz	901.16	-47.88	-13	PASS
Band4	1513	1000~20000MHz	3507.37	-33.14	-13	PASS
Band5	4132	0.009~0.15MHz	0.12	-74.8	-33	PASS
Band5	4132	0.15~30MHz	0.16	-58.27	-13	PASS
Band5	4132	30~1000MHz	607.54	-57.23	-13	PASS
Band5	4132	1000~10000MHz	3684.7	-36.2	-13	PASS
Band5	4183	0.009~0.15MHz	0.03	-73.8	-33	PASS
Band5	4183	0.15~30MHz	0.17	-57.33	-13	PASS
Band5	4183	30~1000MHz	945.2	-57.66	-13	PASS
Band5	4183	1000~10000MHz	3844.3	-36.25	-13	PASS
Band5	4233	0.009~0.15MHz	0.1	-73.77	-33	PASS
Band5	4233	0.15~30MHz	0.15	-57.28	-13	PASS
Band5	4233	30~1000MHz	741.2	-57.28	-13	PASS
Band5	4233	1000~10000MHz	3962.5	-36.31	-13	PASS

Test Graphs(WCDMA)

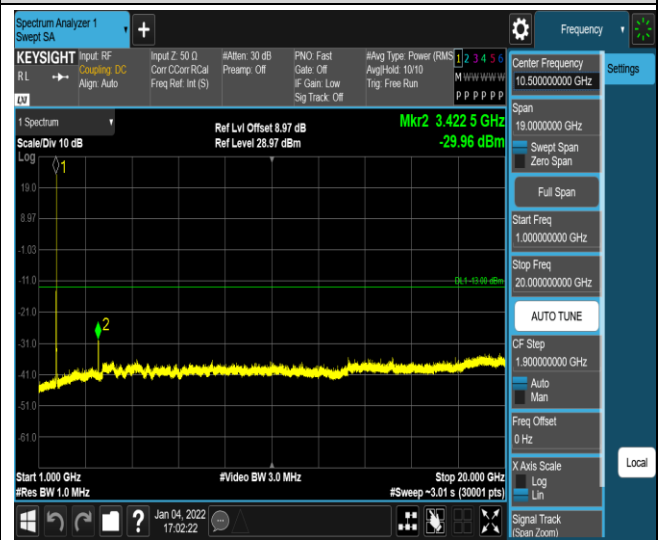
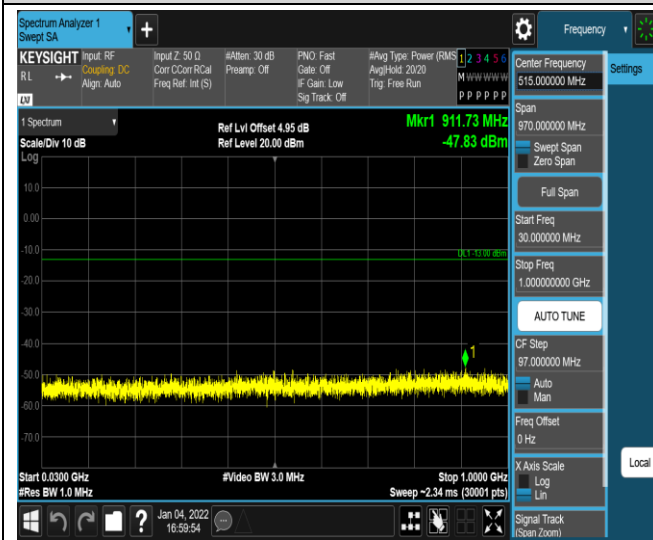






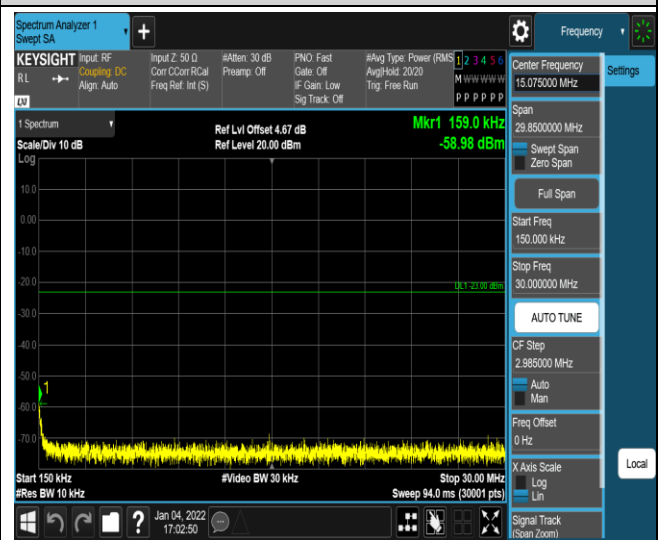
Band4-1312-30~1000MHz

Band4-1312-1000~20000MHz



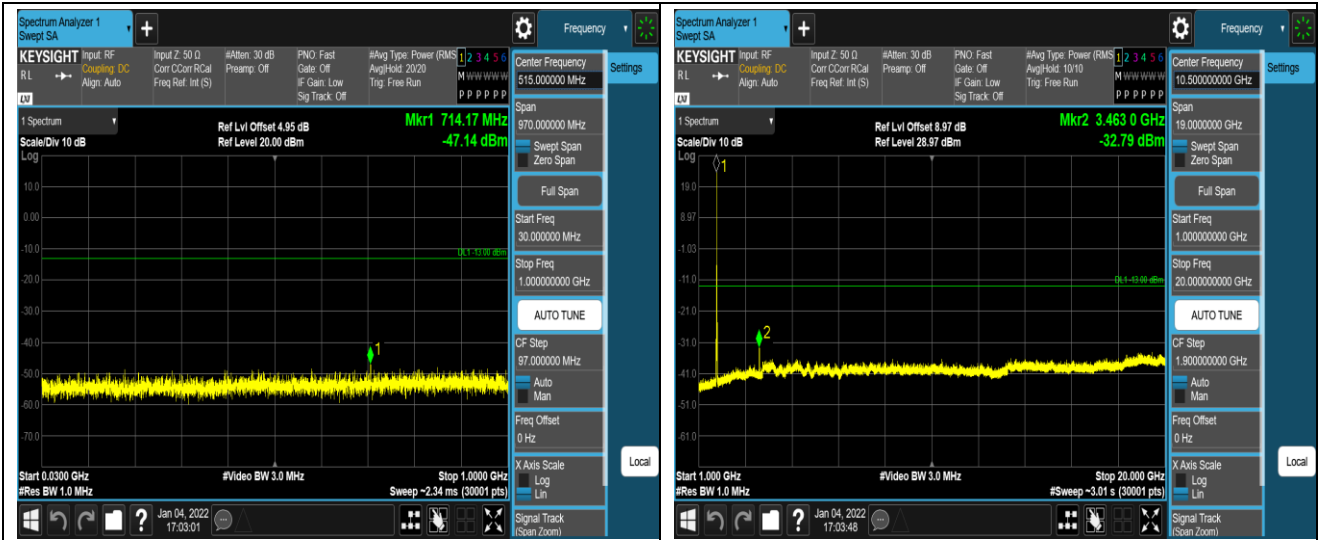
Band4-1413-0.009~0.15MHz

Band4-1413-0.15~30MHz



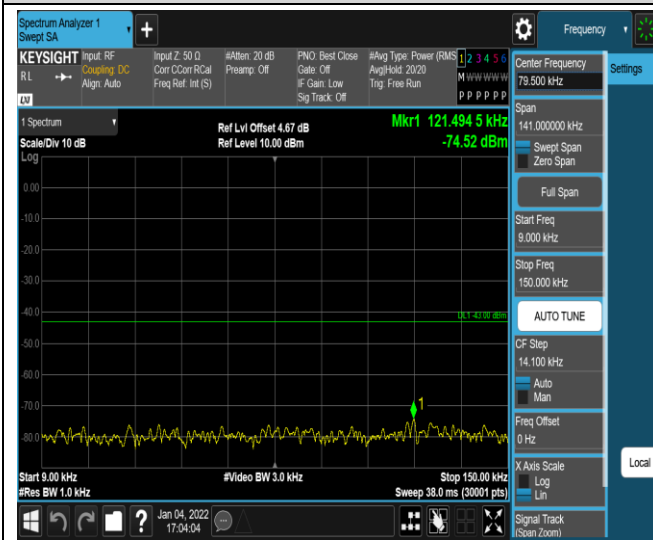
Band4-1413-30~1000MHz

Band4-1413-1000~20000MHz

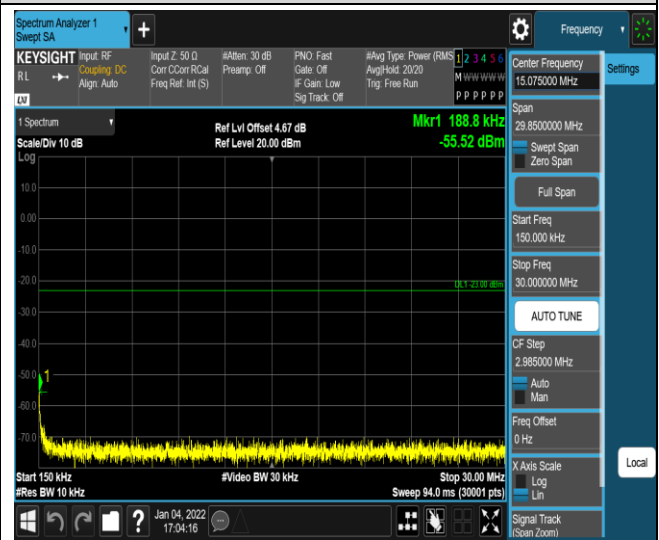


Band4-1513-0.009~0.15MHz

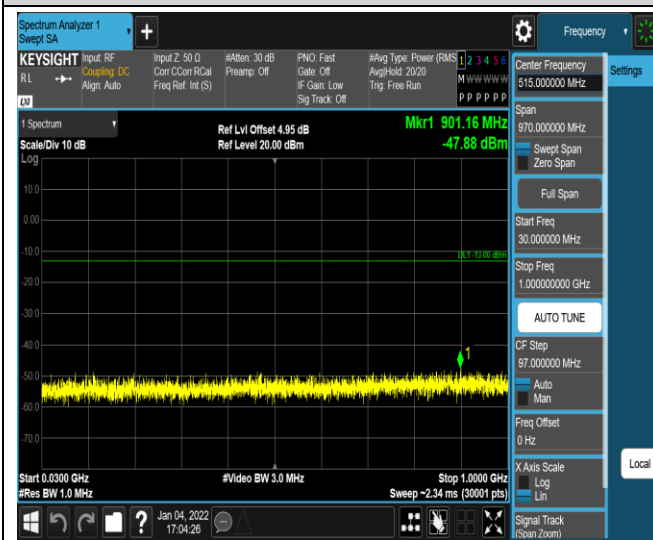
Band4-1513-0.15~30MHz



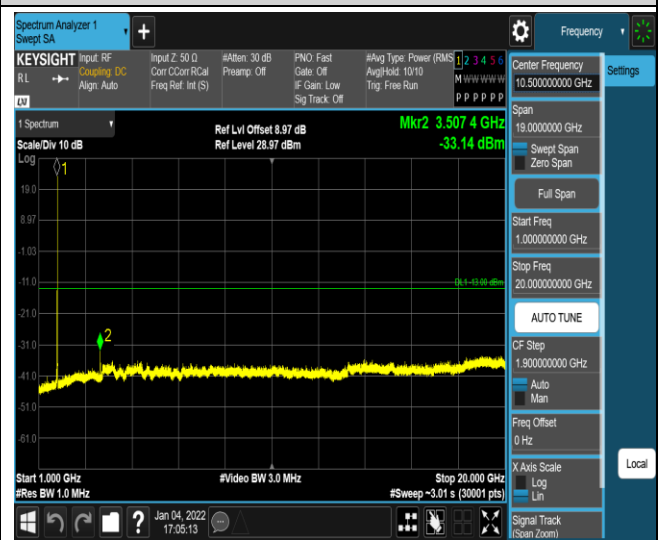
Band4-1513-30~1000MHz



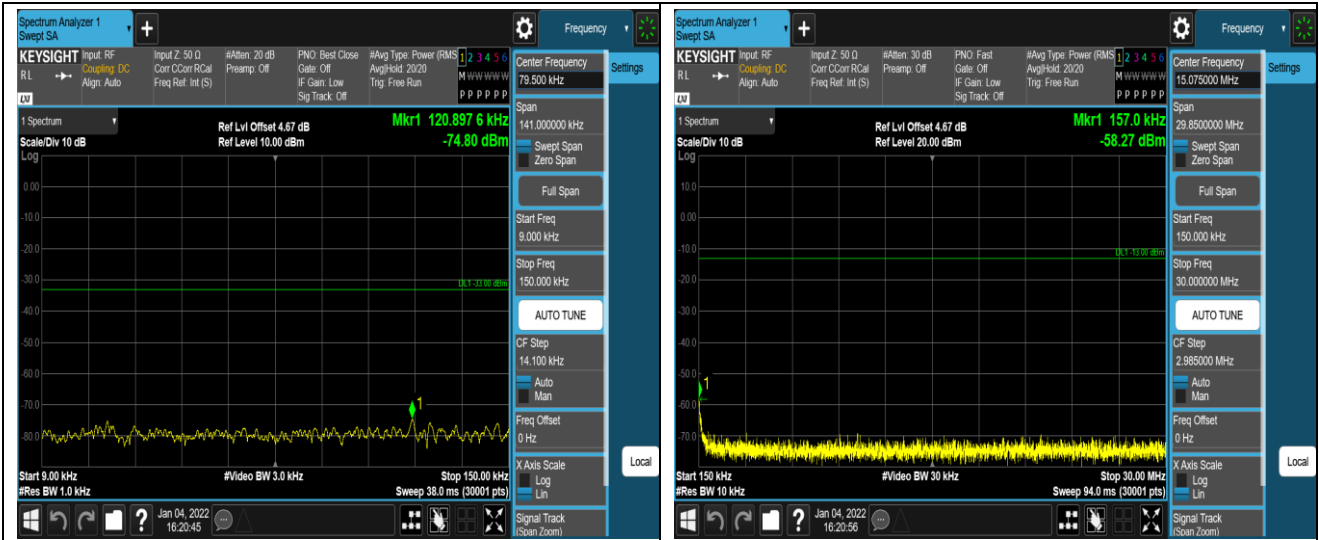
Band4-1513-1000~20000MHz



Band5-4132-0.009~0.15MHz

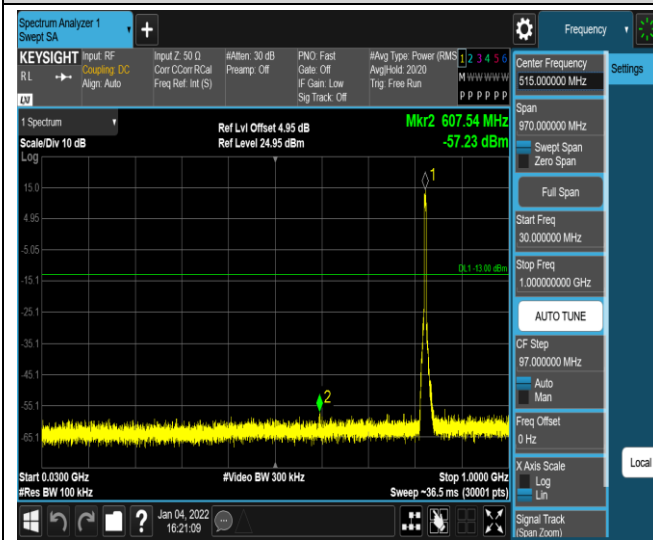


Band5-4132-0.15~30MHz



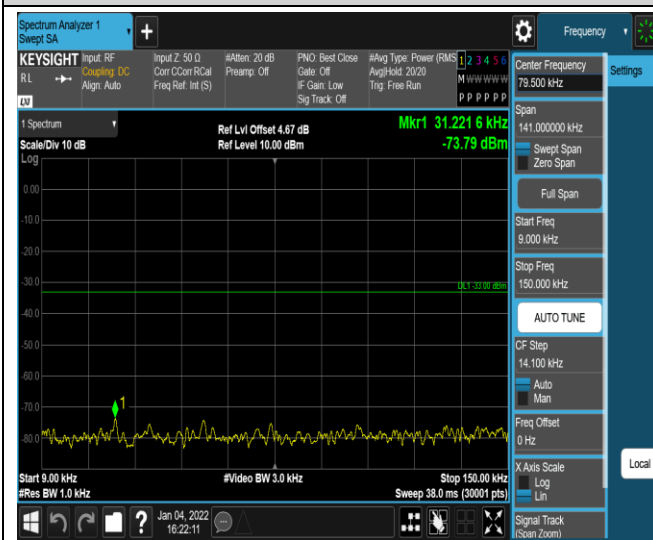
Band5-4132-30~1000MHz

Band5-4132-1000~10000MHz



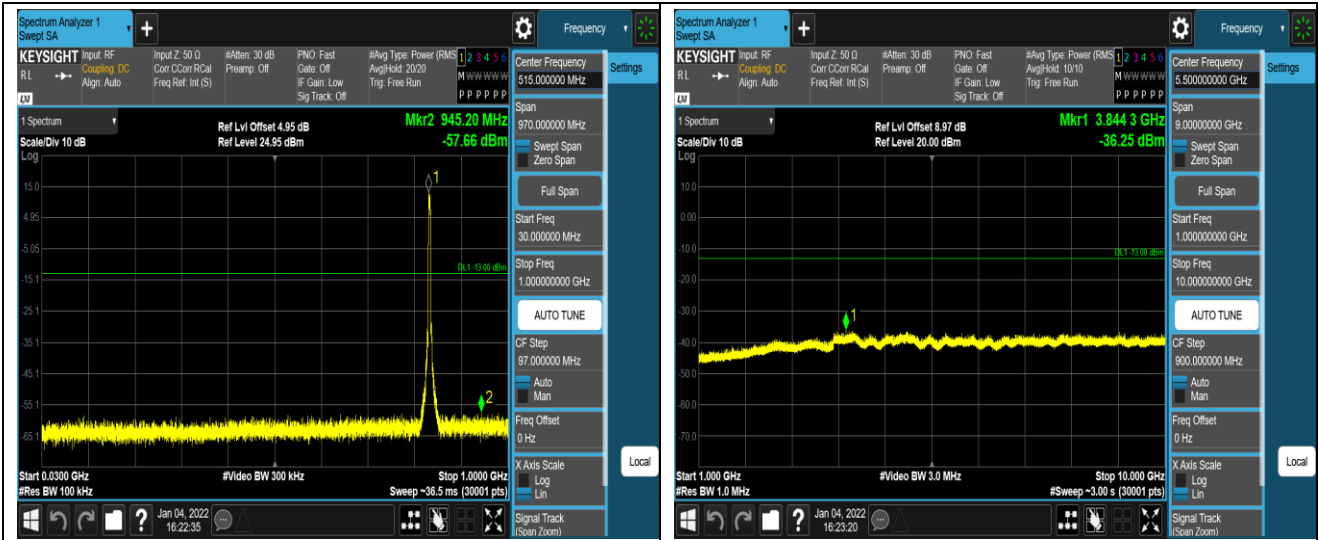
Band5-4183-0.009~0.15MHz

Band5-4183-0.15~30MHz



Band5-4183-30~1000MHz

Band5-4183-1000~10000MHz

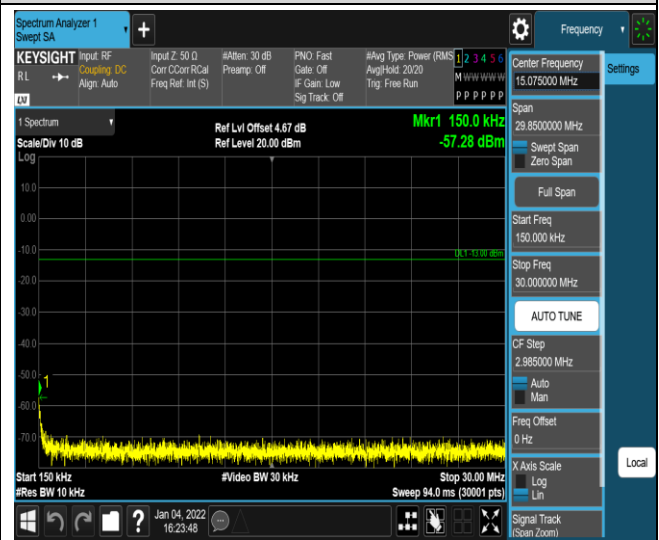


Band5-4233-0.009~0.15MHz

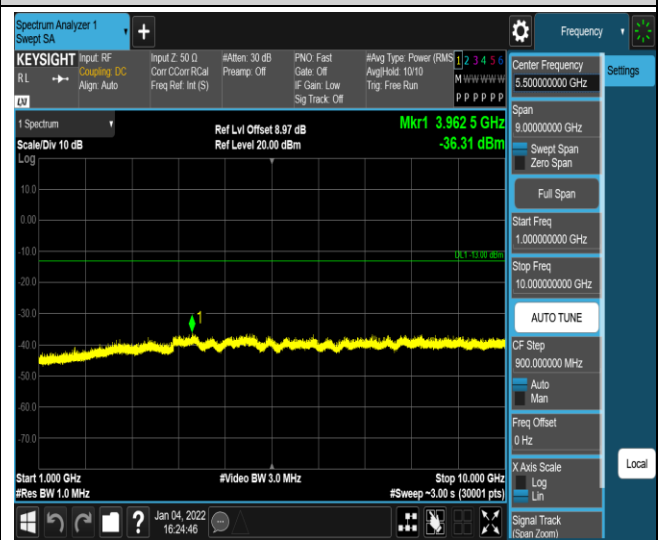
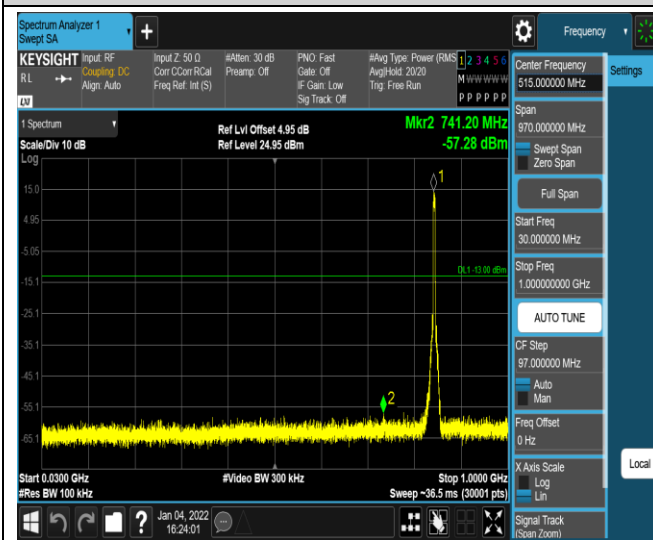
Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz



Band5-4233-1000~10000MHz



AppendixF:Frequency Stability

Test Result

Reference Frequency: WCDMA BAND II 12.2k RMC Middle Frequency=9400 channel=1880MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
7.60	-30	-12.42	-0.006606	Within authorized band for BAND II	Pass
	-20	-14.38	-0.007649		
	-10	-12.64	-0.006723		
	0	-12.69	-0.006750		
	10	-9.03	-0.004803		
	20	-12.58	-0.006691		
	30	-11.42	-0.006074		
	40	-10.10	-0.005372		
	50	-11.83	-0.006293		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	6.46	-12.90	-0.006862	Within authorized band for BAND II	Pass
	7.60	-11.33	-0.006027		
	8.74	-8.79	-0.004676		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

Reference Frequency: WCDMA BAND IV 12.2k RMC Middle channel=1413 Frequency=1732.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
7.60	-30	-9.41	-0.005431	±2.5	Pass
	-20	-7.61	-0.004392		
	-10	-16.04	-0.009258		
	0	-15.26	-0.008808		
	10	-14.99	-0.008652		
	20	-13.63	-0.007867		
	30	-12.54	-0.007238		
	40	-9.35	-0.005397		
	50	-11.44	-0.006603		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	6.46	-12.90	-0.007445	±2.5	Pass
	7.60	-11.00	-0.006349		
	8.74	-11.03	-0.006366		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

Reference Frequency: WCDMA BAND V 12.2k RMC Middle channel=4183 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
7.60	-30	-10.50	-0.012551	±2.5	Pass
	-20	-6.56	-0.007841		
	-10	-10.77	-0.012874		
	0	-3.69	-0.004411		
	10	-6.54	-0.007817		
	20	-9.93	-0.011869		
	30	-5.89	-0.007040		
	40	-11.14	-0.013316		
	50	-8.24	-0.009849		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	6.46	-11.28	-0.013483	±2.5	Pass
	7.60	-6.17	-0.007375		
	8.74	-11.74	-0.014033		
<i>Remark: All channel had been tested, but only the worst case data displayed in this report.</i>					

Appendix G: Modulation Characteristics

Test Result

Band	Channel	Result	Verdict
Band2	9400	PASS	PASS
Band4	1413	PASS	PASS
Band5	4183	PASS	PASS

Remark: All channel had been tested, but only the worst case data displayed in this report.

Test Graphs

