

AppendixA: 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	24.34	23.04	33.01	PASS
Band2	TestMode	9262	24.27	22.97	33.01	PASS
Band2	TestMode	9400	24.22	22.92	33.01	PASS
Band2	Voice	9400	24.26	22.96	33.01	PASS
Band2	TestMode	9538	24.20	22.9	33.01	PASS
Band2	Voice	9538	24.22	22.92	33.01	PASS
Band4	Voice	1312	23.22	22.12	30.00	PASS
Band4	TestMode	1312	23.19	22.09	30.00	PASS
Band4	Voice	1413	23.14	22.04	30.00	PASS
Band4	TestMode	1413	23.22	22.12	30.00	PASS
Band4	TestMode	1513	23.20	22.1	30.00	PASS
Band4	Voice	1513	23.15	22.05	30.00	PASS
Band5	Voice	4132	22.89	16.41	38.45	PASS
Band5	TestMode	4132	22.79	16.31	38.45	PASS
Band5	TestMode	4183	23.01	16.53	38.45	PASS
Band5	Voice	4183	23.12	16.64	38.45	PASS
Band5	Voice	4233	23.03	16.55	38.45	PASS
Band5	TestMode	4233	22.95	16.47	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.30	22	33.01	PASS
Band2	9262	2	22.76	21.46	33.01	PASS
Band2	9262	3	22.79	21.49	33.01	PASS
Band2	9262	4	22.74	21.44	33.01	PASS
Band2	9400	1	23.22	21.92	33.01	PASS
Band2	9400	2	22.67	21.37	33.01	PASS
Band2	9400	3	22.71	21.41	33.01	PASS
Band2	9400	4	22.72	21.42	33.01	PASS
Band2	9538	1	23.17	21.87	33.01	PASS
Band2	9538	2	22.62	21.32	33.01	PASS
Band2	9538	3	22.65	21.35	33.01	PASS
Band2	9538	4	22.66	21.36	33.01	PASS

Band4	1312	1	22.19	21.09	30.00	PASS
Band4	1312	2	21.69	20.59	30.00	PASS
Band4	1312	3	21.76	20.66	30.00	PASS
Band4	1312	4	21.70	20.6	30.00	PASS
Band4	1413	1	22.18	21.08	30.00	PASS
Band4	1413	2	21.71	20.61	30.00	PASS
Band4	1413	3	21.75	20.65	30.00	PASS
Band4	1413	4	21.67	20.57	30.00	PASS
Band4	1513	1	22.21	21.11	30.00	PASS
Band4	1513	2	21.71	20.61	30.00	PASS
Band4	1513	3	21.74	20.64	30.00	PASS
Band4	1513	4	21.68	20.58	30.00	PASS
Band5	4132	1	22.05	15.57	38.5	PASS
Band5	4132	2	21.53	15.05	38.5	PASS
Band5	4132	3	21.59	15.11	38.5	PASS
Band5	4132	4	21.55	15.07	38.5	PASS
Band5	4183	1	22.26	15.78	38.5	PASS
Band5	4183	2	21.74	15.26	38.5	PASS
Band5	4183	3	21.79	15.31	38.5	PASS
Band5	4183	4	21.77	15.29	38.5	PASS
Band5	4233	1	22.15	15.67	38.5	PASS
Band5	4233	2	21.67	15.19	38.5	PASS
Band5	4233	3	21.68	15.2	38.5	PASS
Band5	4233	4	21.68	15.2	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.23	19.93	33.01	PASS
Band2	9262	2	21.73	20.43	33.01	PASS
Band2	9262	3	22.25	20.95	33.01	PASS
Band2	9262	4	21.25	19.95	33.01	PASS
Band2	9262	5	23.24	21.94	33.01	PASS
Band2	9400	1	21.14	19.84	33.01	PASS
Band2	9400	2	21.66	20.36	33.01	PASS
Band2	9400	3	22.14	20.84	33.01	PASS
Band2	9400	4	21.17	19.87	33.01	PASS
Band2	9400	5	23.16	21.86	33.01	PASS
Band2	9538	1	21.08	19.78	33.01	PASS
Band2	9538	2	21.60	20.3	33.01	PASS
Band2	9538	3	22.10	20.8	33.01	PASS

Band2	9538	4	21.12	19.82	33.01	PASS
Band2	9538	5	23.10	21.8	33.01	PASS
Band4	1312	1	20.17	19.07	30.00	PASS
Band4	1312	2	20.68	19.58	30.00	PASS
Band4	1312	3	21.19	20.09	30.00	PASS
Band4	1312	4	20.17	19.07	30.00	PASS
Band4	1312	5	22.20	21.1	30.00	PASS
Band4	1413	1	20.15	19.05	30.00	PASS
Band4	1413	2	20.64	19.54	30.00	PASS
Band4	1413	3	21.15	20.05	30.00	PASS
Band4	1413	4	20.15	19.05	30.00	PASS
Band4	1413	5	22.17	21.07	30.00	PASS
Band4	1513	1	20.14	19.04	30.00	PASS
Band4	1513	2	20.66	19.56	30.00	PASS
Band4	1513	3	21.18	20.08	30.00	PASS
Band4	1513	4	20.17	19.07	30.00	PASS
Band4	1513	5	22.21	21.11	30.00	PASS
Band5	4132	1	20.04	13.56	38.5	PASS
Band5	4132	2	20.55	14.07	38.5	PASS
Band5	4132	3	21.05	14.57	38.5	PASS
Band5	4132	4	20.07	13.59	38.5	PASS
Band5	4132	5	22.08	15.6	38.5	PASS
Band5	4183	1	20.26	13.78	38.5	PASS
Band5	4183	2	20.78	14.3	38.5	PASS
Band5	4183	3	21.29	14.81	38.5	PASS
Band5	4183	4	20.30	13.82	38.5	PASS
Band5	4183	5	22.28	15.8	38.5	PASS
Band5	4233	1	20.17	13.69	38.5	PASS
Band5	4233	2	20.68	14.2	38.5	PASS
Band5	4233	3	21.19	14.71	38.5	PASS
Band5	4233	4	20.20	13.72	38.5	PASS
Band5	4233	5	22.20	15.72	38.5	PASS

Remark: $EIRP (dBm) = \text{Conducted power (dBm)} + \text{Antenna Gain (dBi)}$. (For Band2 & 4)
 $ERP (dBm) = EIRP (dBm) - 2.15 (dB)$. (For Band5)

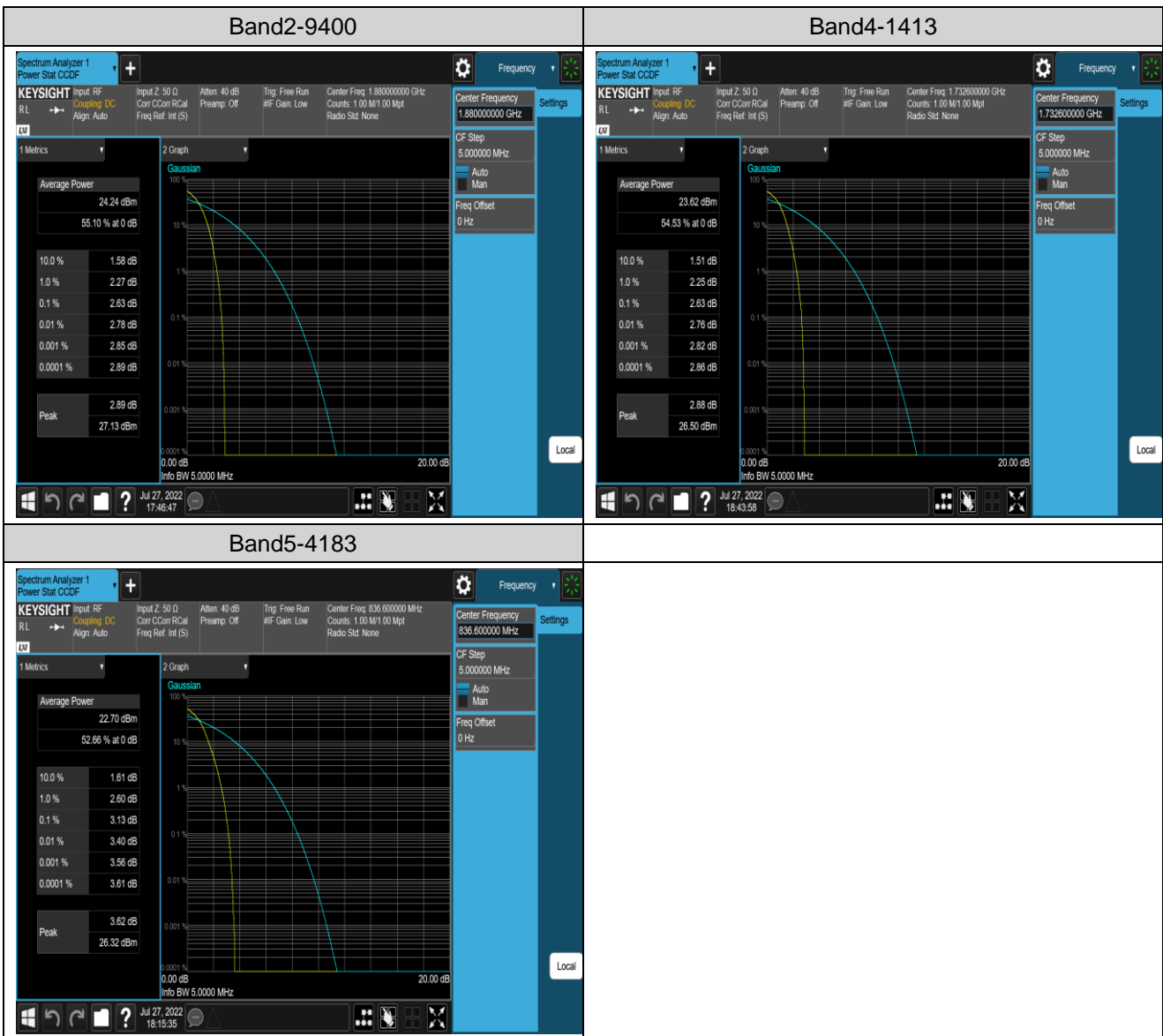
Appendix B: Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.63	13	PASS
Band4	1413	2.63	13	PASS
Band5	4183	3.13	13	PASS

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

Test Graphs(WCDMA)

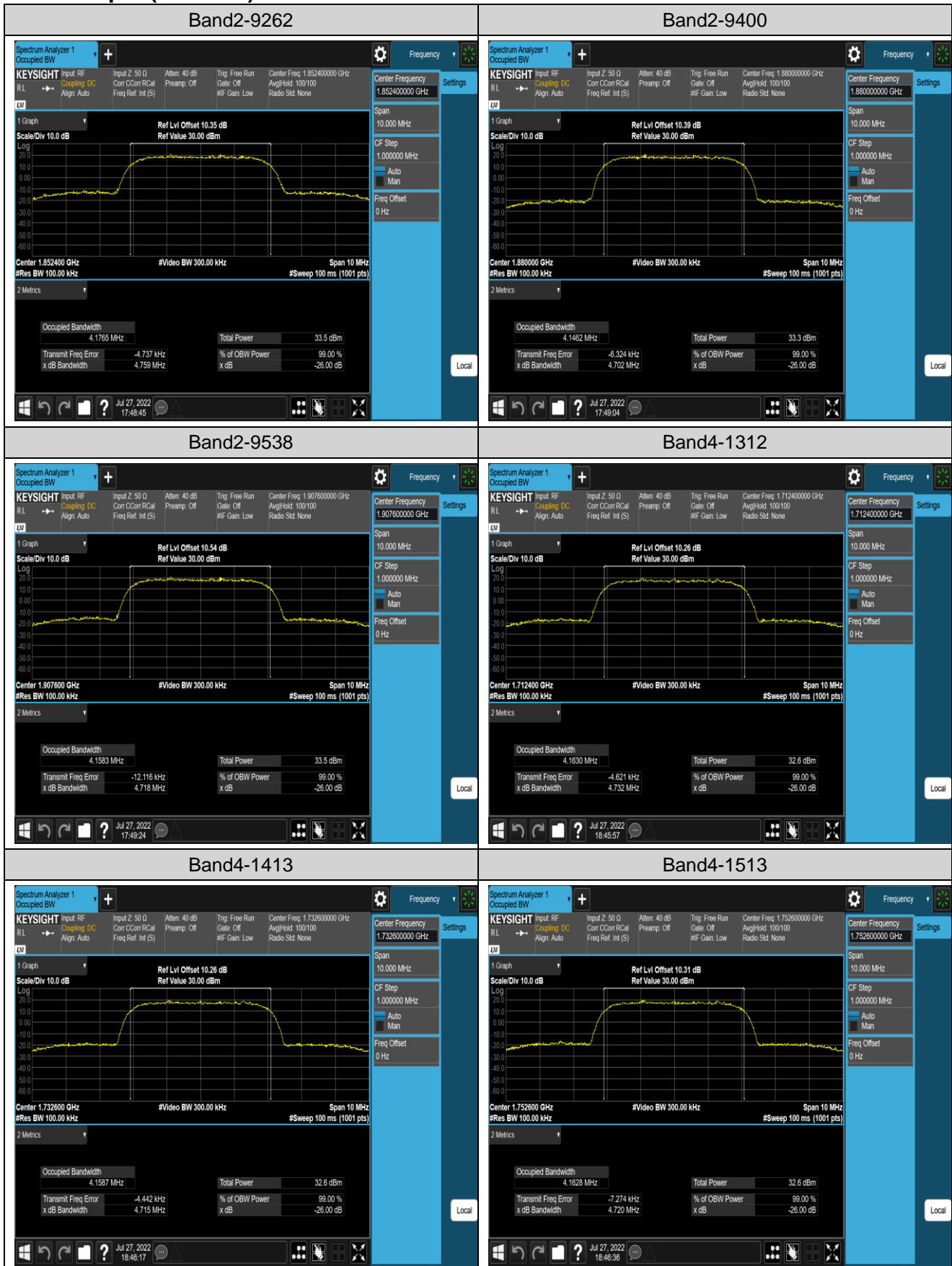


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1765	4.759	---	PASS
Band2	9400	4.1462	4.702	---	PASS
Band2	9538	4.1583	4.718	---	PASS
Band4	1312	4.1630	4.732	---	PASS
Band4	1413	4.1587	4.715	---	PASS
Band4	1513	4.1628	4.720	---	PASS
Band5	4132	4.1517	4.708	---	PASS
Band5	4183	4.1608	4.703	---	PASS
Band5	4233	4.1469	4.707	---	PASS

Test Graphs(WCDMA)





AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-13.58	-13	PASS
Band2	9538	1910.00	-16.10	-13	PASS
Band4	1312	1710.00	-18.39	-13	PASS
Band4	1513	1755.00	-19.62	-13	PASS
Band5	4132	824.00	-20.29	-13	PASS
Band5	4233	849.00	-21.06	-13	PASS

Test Graphs(WCDMA)

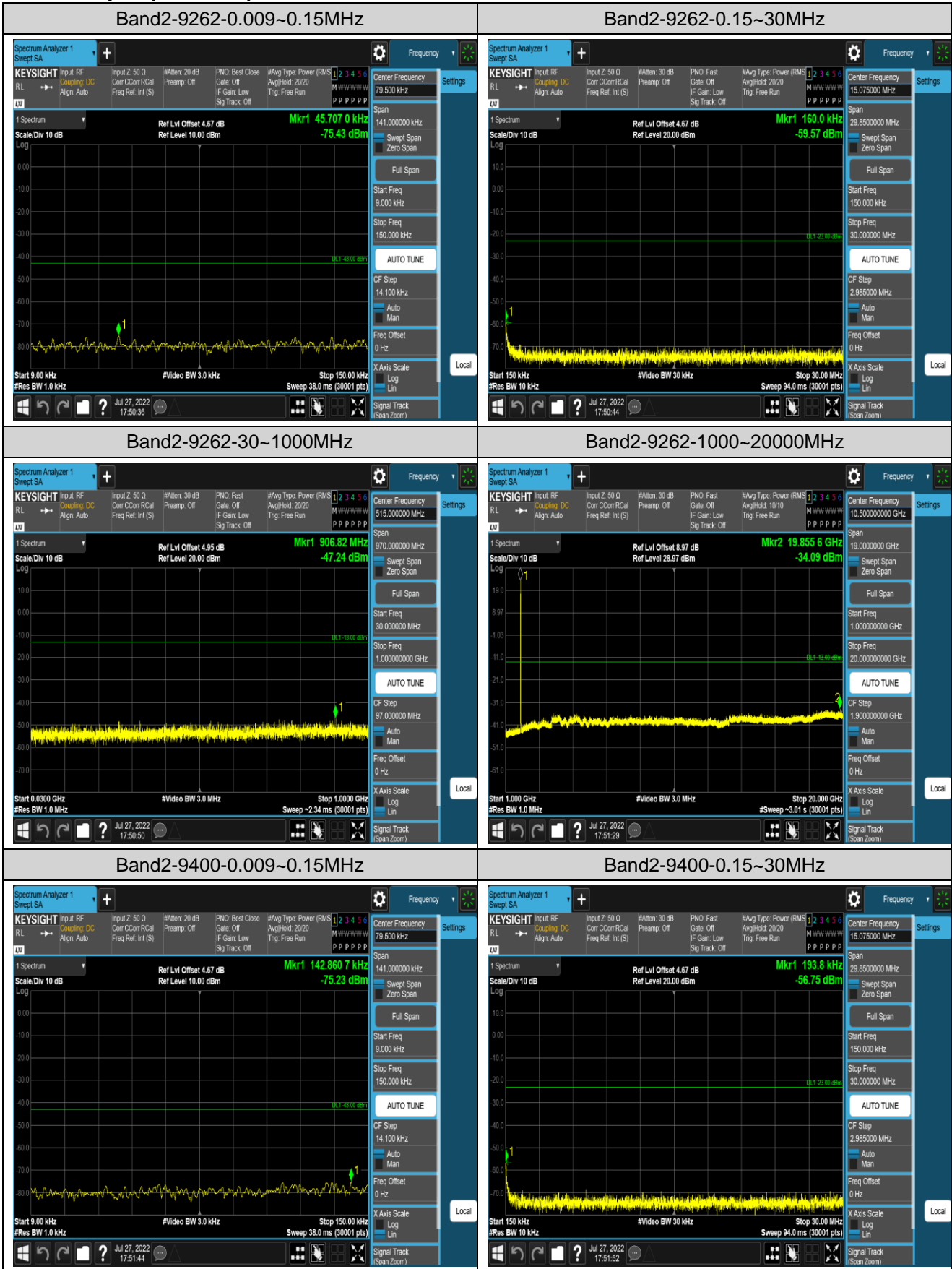


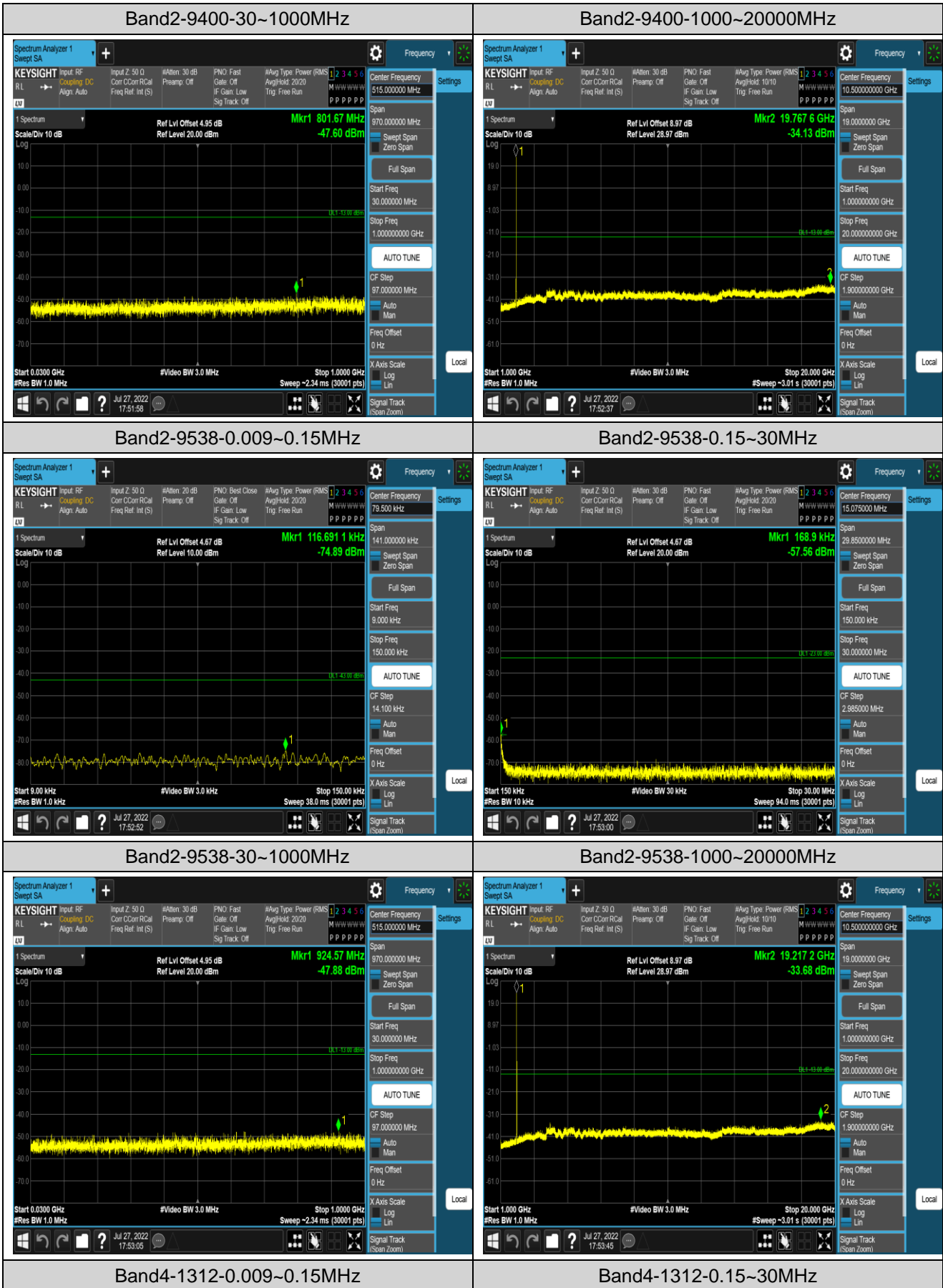
Appendix E: Conducted Spurious Emission

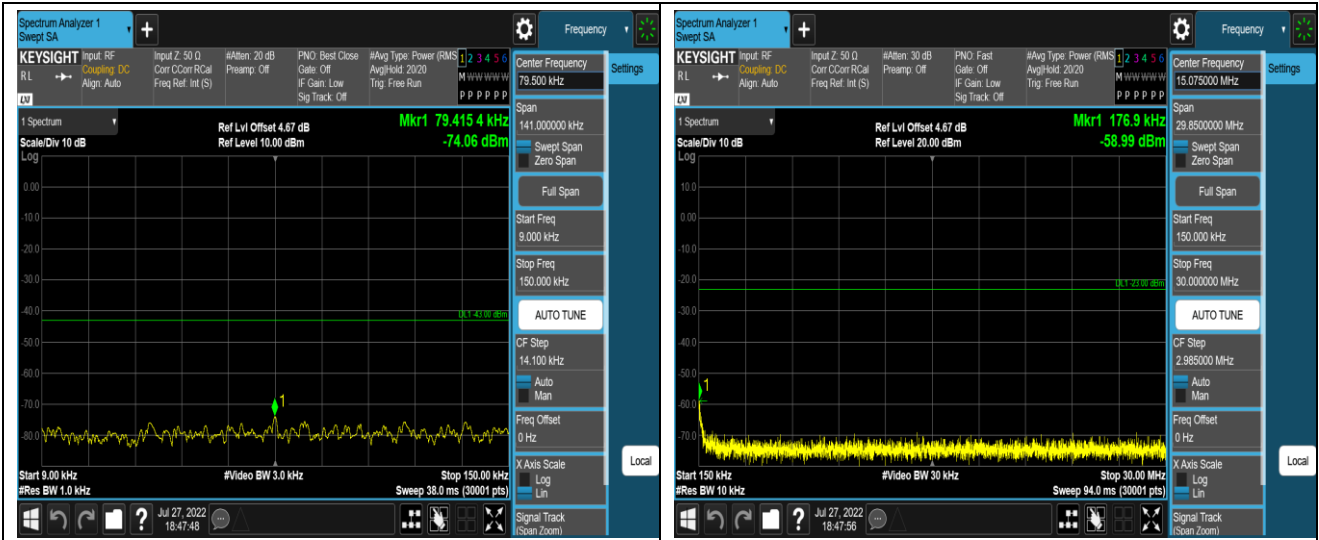
Test Result (WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.05	-75.43	-43	PASS
Band2	9262	0.15~30MHz	0.16	-59.57	-23	PASS
Band2	9262	30~1000MHz	906.82	-47.24	-13	PASS
Band2	9262	1000~20000MHz	19855.6	-34.09	-13	PASS
Band2	9400	0.009~0.15MHz	0.14	-75.23	-43	PASS
Band2	9400	0.15~30MHz	0.19	-56.75	-23	PASS
Band2	9400	30~1000MHz	801.67	-47.6	-13	PASS
Band2	9400	1000~20000MHz	19767.57	-34.13	-13	PASS
Band2	9538	0.009~0.15MHz	0.12	-74.89	-43	PASS
Band2	9538	0.15~30MHz	0.17	-57.56	-23	PASS
Band2	9538	30~1000MHz	924.57	-47.88	-13	PASS
Band2	9538	1000~20000MHz	19217.2	-33.68	-13	PASS
Band4	1312	0.009~0.15MHz	0.08	-74.06	-43	PASS
Band4	1312	0.15~30MHz	0.18	-58.99	-23	PASS
Band4	1312	30~1000MHz	849.13	-46.97	-13	PASS
Band4	1312	1000~20000MHz	19461.67	-34.31	-13	PASS
Band4	1413	0.009~0.15MHz	0.13	-74.3	-43	PASS
Band4	1413	0.15~30MHz	0.23	-58.79	-23	PASS
Band4	1413	30~1000MHz	722.19	-47.25	-13	PASS
Band4	1413	1000~20000MHz	19229.87	-34.03	-13	PASS
Band4	1513	0.009~0.15MHz	0.14	-74.83	-43	PASS
Band4	1513	0.15~30MHz	0.16	-57.42	-23	PASS
Band4	1513	30~1000MHz	885.96	-47.72	-13	PASS
Band4	1513	1000~20000MHz	19275.47	-34.2	-13	PASS
Band5	4132	0.009~0.15MHz	0.08	-75.9	-33	PASS
Band5	4132	0.15~30MHz	0.16	-55.45	-13	PASS
Band5	4132	30~1000MHz	677.38	-57.92	-13	PASS
Band5	4132	1000~10000MHz	7682.8	-35.64	-13	PASS
Band5	4183	0.009~0.15MHz	0.11	-75.28	-33	PASS
Band5	4183	0.15~30MHz	0.16	-57.56	-13	PASS
Band5	4183	30~1000MHz	254.43	-57.64	-13	PASS
Band5	4183	1000~10000MHz	3945.7	-36.03	-13	PASS
Band5	4233	0.009~0.15MHz	0.11	-74.92	-33	PASS
Band5	4233	0.15~30MHz	0.15	-58.17	-13	PASS
Band5	4233	30~1000MHz	650.06	-57.81	-13	PASS
Band5	4233	1000~10000MHz	4795.3	-35.66	-13	PASS

Test Graphs(WCDMA)

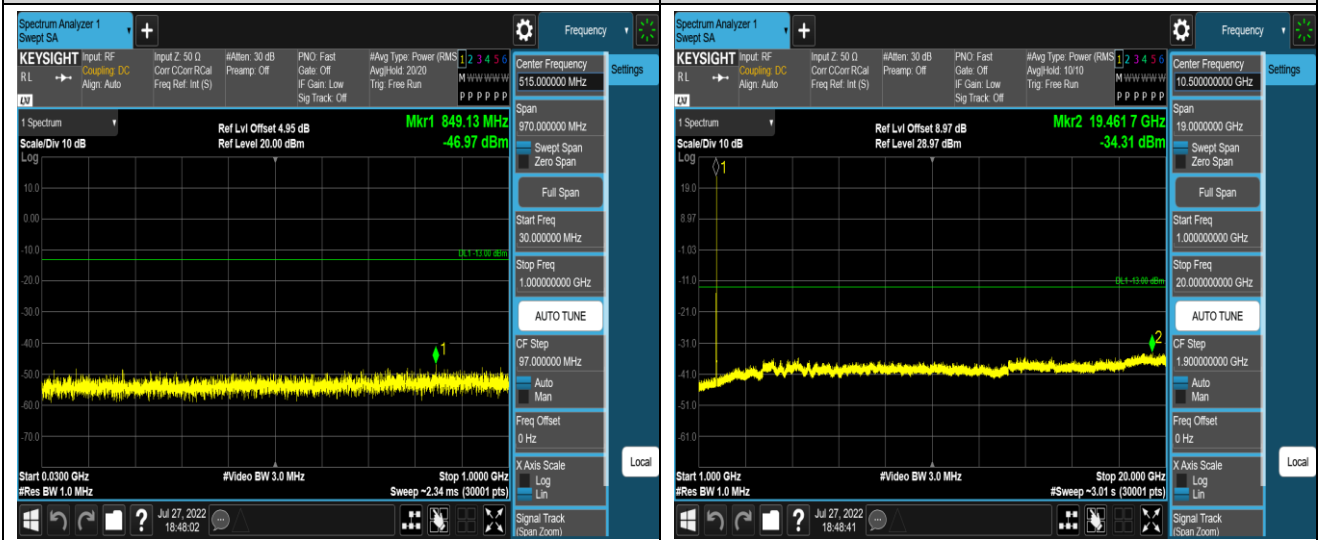






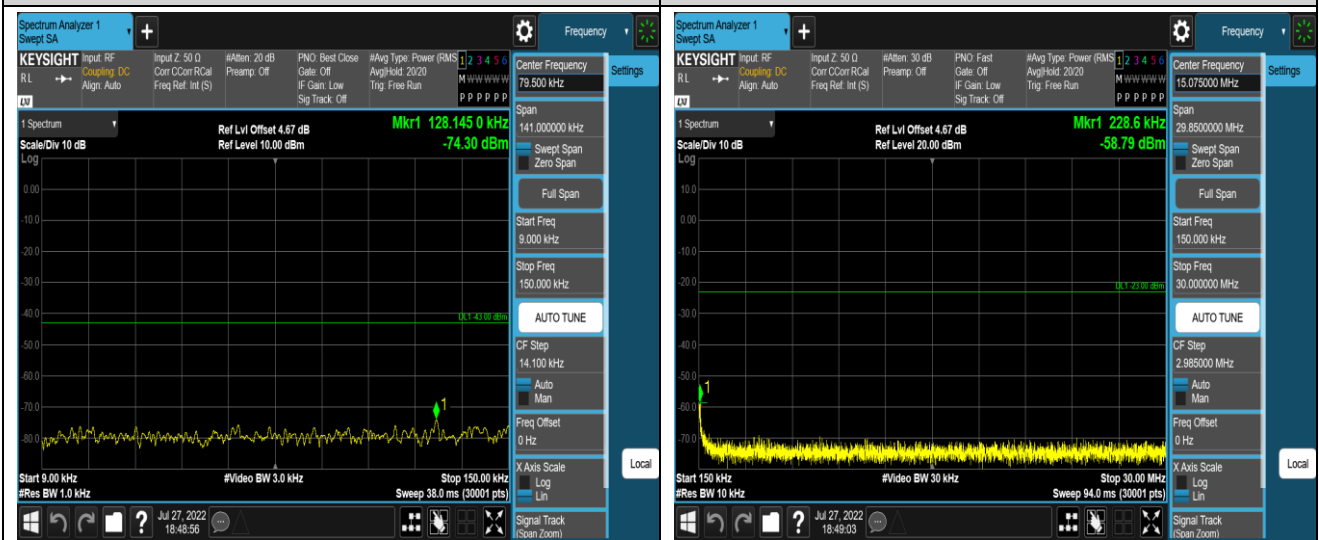
Band4-1312-30~1000MHz

Band4-1312-1000~20000MHz



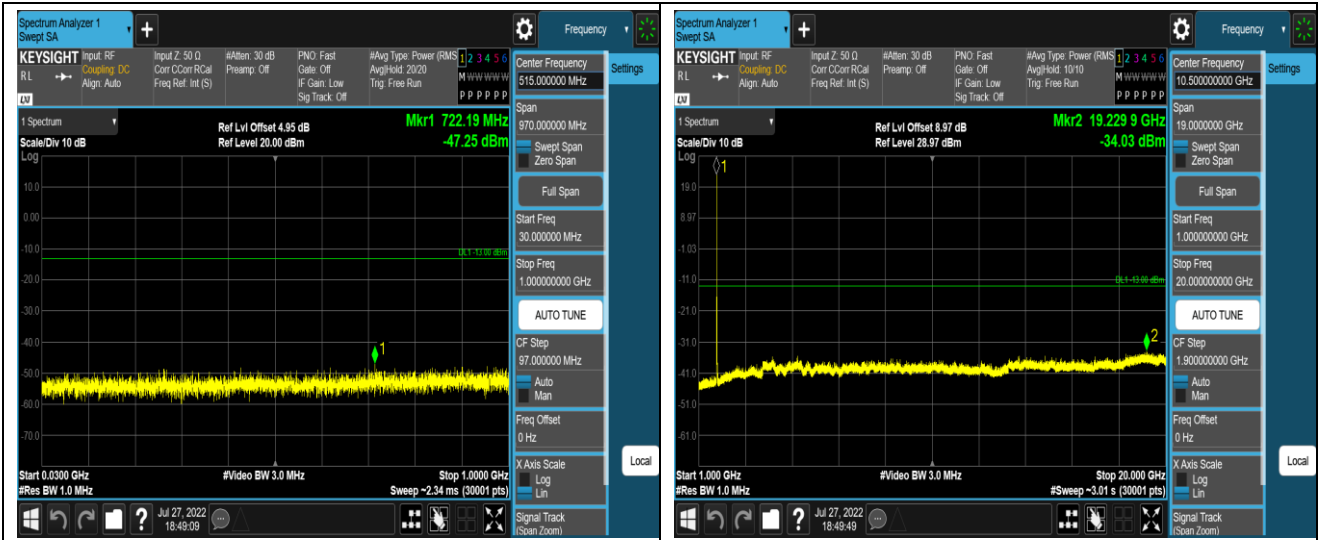
Band4-1413-0.009~0.15MHz

Band4-1413-0.15~30MHz



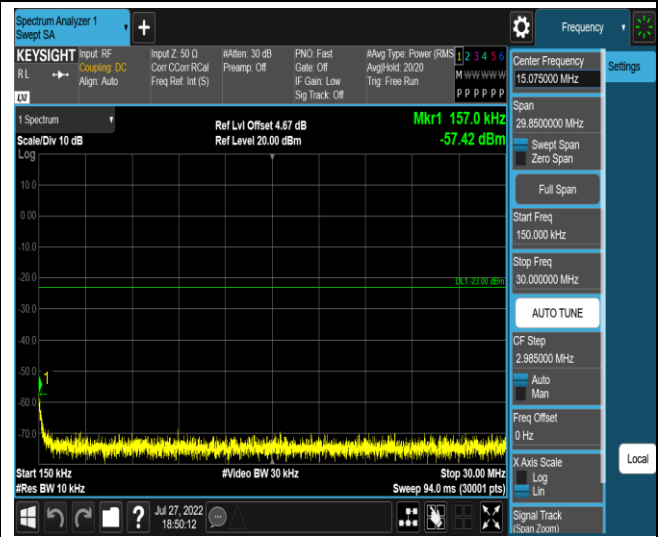
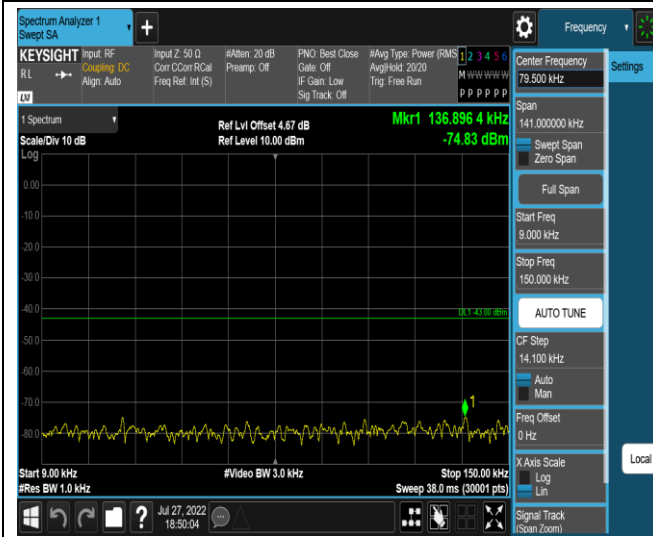
Band4-1413-30~1000MHz

Band4-1413-1000~20000MHz



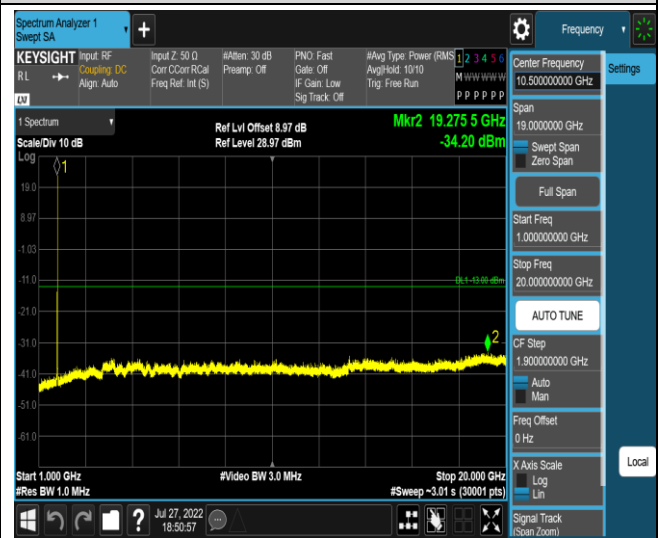
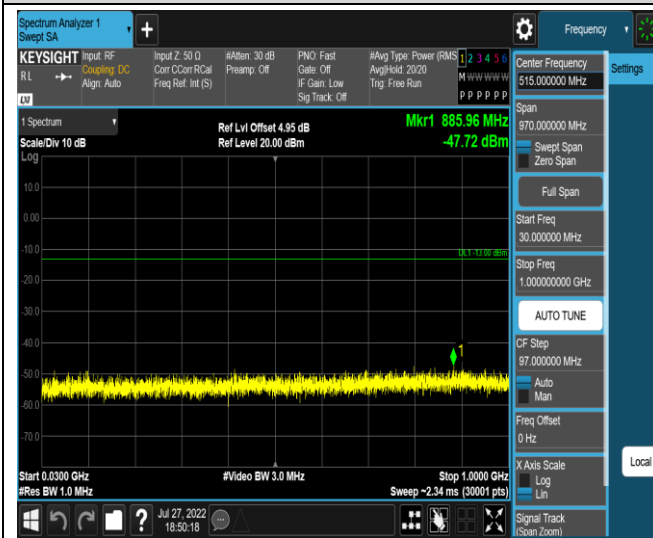
Band4-1513-0.009~0.15MHz

Band4-1513-0.15~30MHz



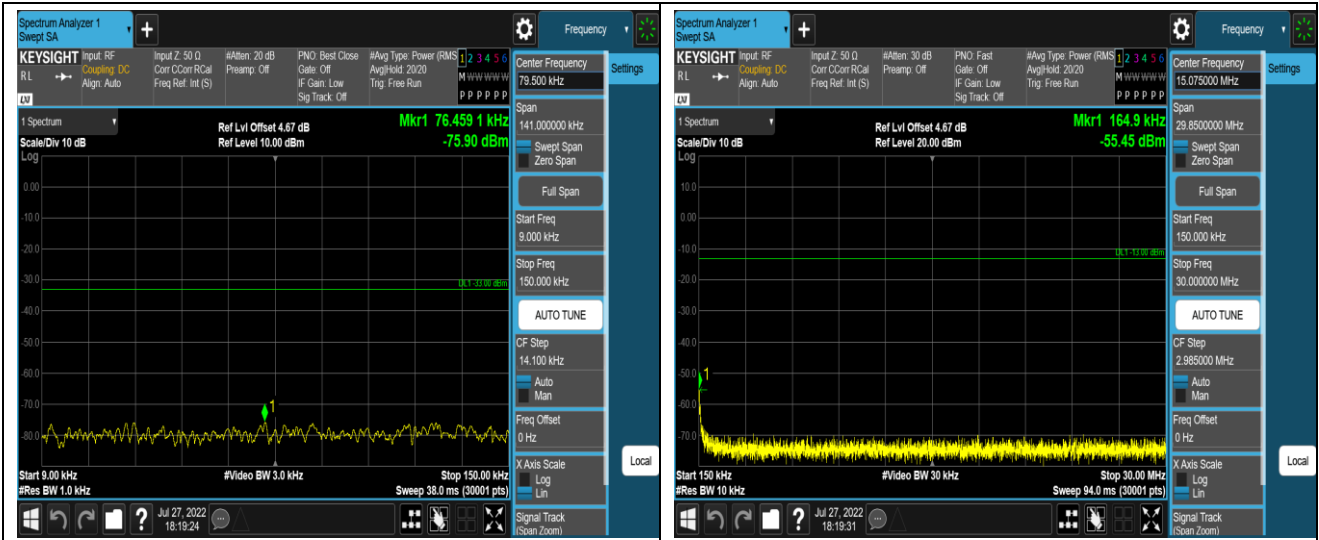
Band4-1513-30~1000MHz

Band4-1513-1000~20000MHz



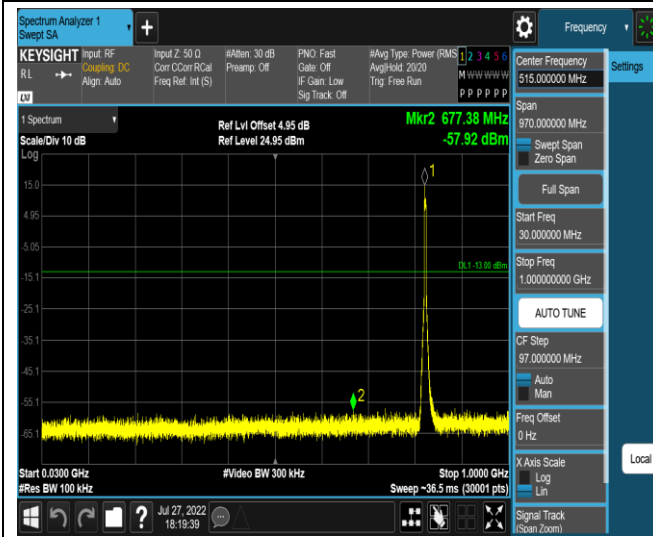
Band5-4132-0.009~0.15MHz

Band5-4132-0.15~30MHz



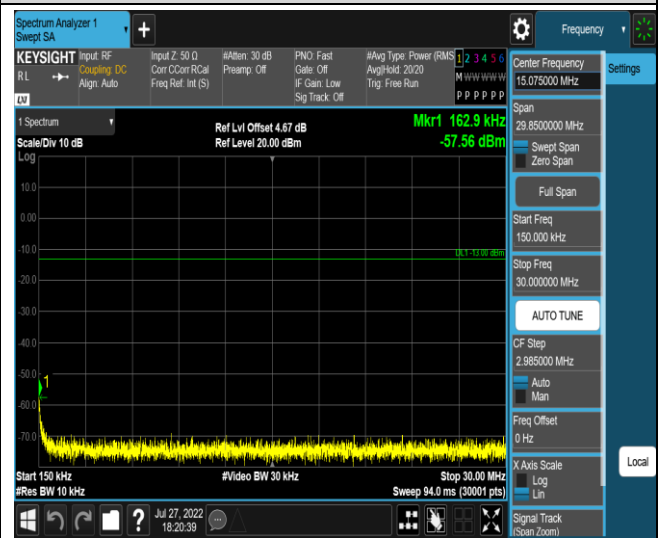
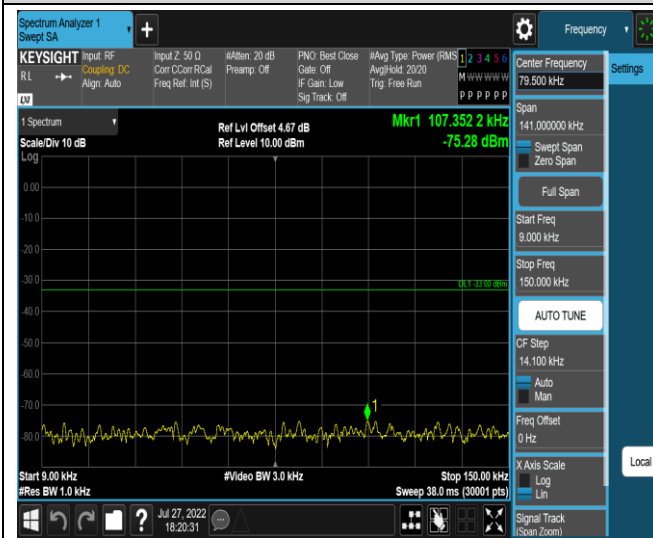
Band5-4132-30~1000MHz

Band5-4132-1000~10000MHz



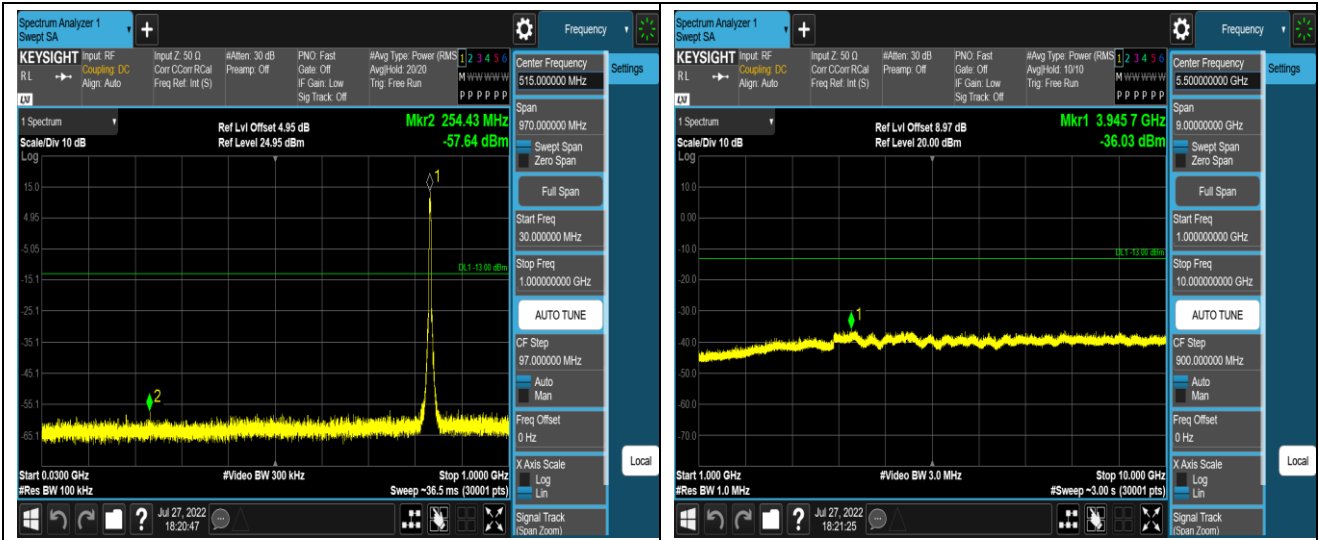
Band5-4183-0.009~0.15MHz

Band5-4183-0.15~30MHz



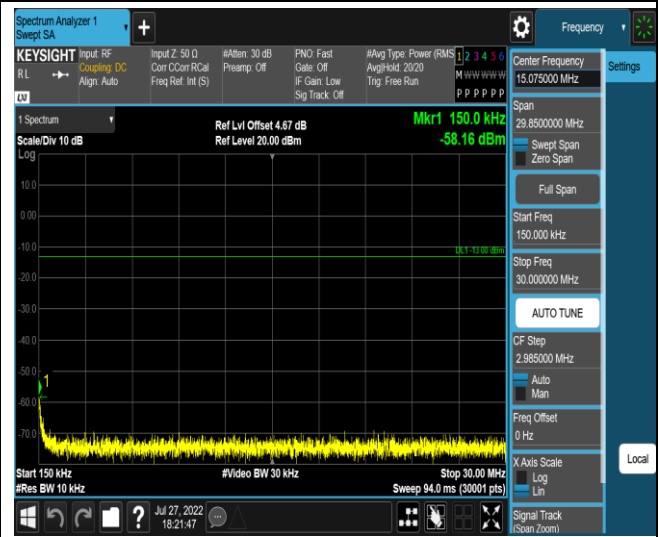
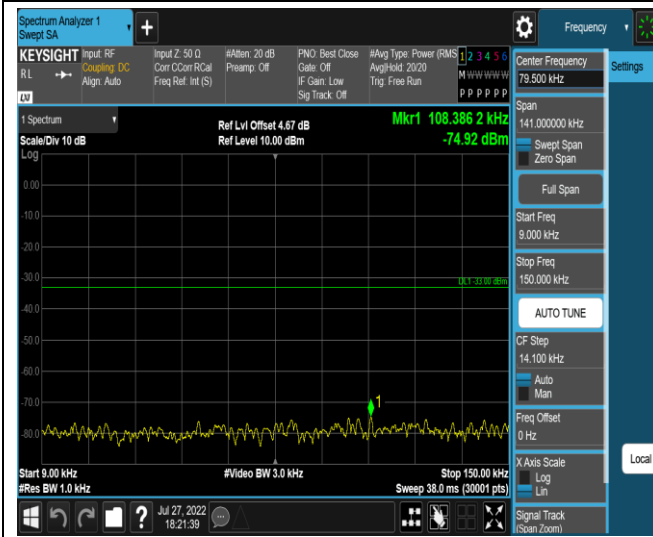
Band5-4183-30~1000MHz

Band5-4183-1000~10000MHz



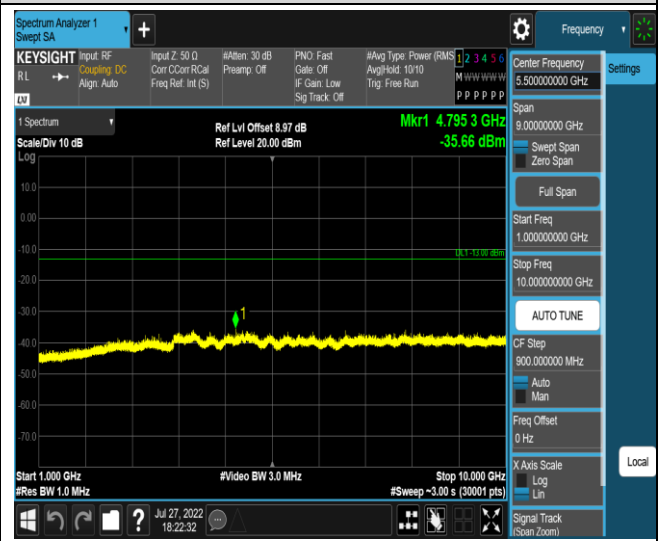
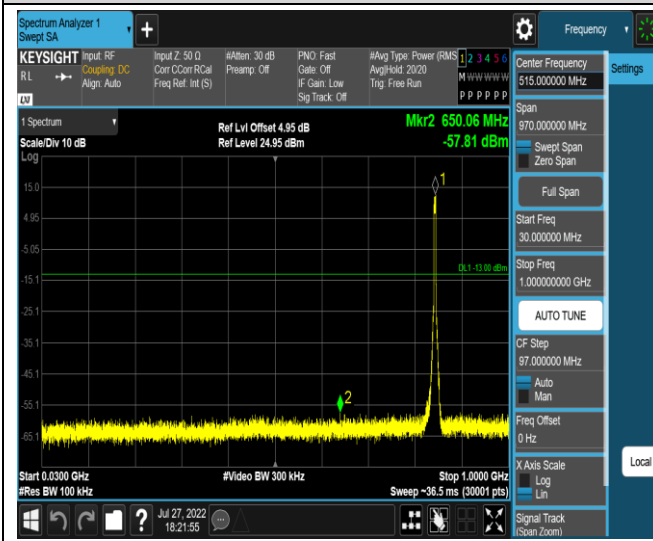
Band5-4233-0.009~0.15MHz

Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz

Band5-4233-1000~10000MHz



AppendixF:Frequency Stability

Test Result

Reference Frequency: WCDMA BAND V 12.2k RMC Middle channel=4183 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.87	-30	-1.89	-0.002259	±2.5	Pass
	-20	-2.27	-0.002713		
	-10	-2.10	-0.002510		
	0	-2.22	-0.002654		
	10	-1.82	-0.002175		
	20	-1.51	-0.001805		
	30	-1.84	-0.002199		
	40	-1.09	-0.001303		
	50	-2.01	-0.002403		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-1.06	-0.001267	±2.5	Pass
	3.87	-1.60	-0.001913		
	4.45	-2.05	-0.002450		
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 Frequency=1413 channel=1732.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.87	-30	-1.08	-0.000623	Within authorized band for BAND IV	Pass
	-20	-0.57	-0.000329		
	-10	0.66	0.000381		
	0	-0.48	-0.000277		
	10	-1.24	-0.000716		
	20	1.10	0.000635		
	30	0.70	0.000404		
	40	-0.22	-0.000127		
	50	0.66	0.000381		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	0.14	0.000081	Within authorized band for BAND IV	Pass
	3.87	-0.30	-0.000173		
	4.45	-0.94	-0.000543		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

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		
3.87	-30	1.73	0.000920	Within authorized band for BAND II	Pass
	-20	4.67	0.002484		
	-10	2.18	0.001160		
	0	3.83	0.002037		
	10	3.85	0.002048		
	20	1.39	0.000739		
	30	2.68	0.001426		
	40	2.23	0.001186		
	50	3.10	0.001649		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	4.36	0.002319	Within authorized band for BAND II	Pass
	3.87	3.14	0.001670		
	4.45	3.53	0.001878		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

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

