

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	22.26	22.76	33	PASS
Band2	TestMode	9262	22.79	23.29	33	PASS
Band2	TestMode	9400	22.70	22.5	33	PASS
Band2	Voice	9400	22.78	22.58	33	PASS
Band2	TestMode	9538	23.23	23.03	33	PASS
Band2	Voice	9538	23.25	23.05	33	PASS
Band4	Voice	1312	23.12	23.62	30	PASS
Band4	TestMode	1312	23.13	23.63	30	PASS
Band4	Voice	1413	22.86	23.36	30	PASS
Band4	TestMode	1413	22.96	23.46	30	PASS
Band4	TestMode	1513	22.83	23.33	30	PASS
Band4	Voice	1513	22.79	23.29	30	PASS
Band5	Voice	4132	23.67	20.02	38.5	PASS
Band5	TestMode	4132	23.65	20	38.5	PASS
Band5	TestMode	4183	23.54	19.89	38.5	PASS
Band5	Voice	4183	23.57	19.92	38.5	PASS
Band5	Voice	4233	23.51	21.86	38.5	PASS
Band5	TestMode	4233	23.53	21.88	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.24		33	PASS
Band2	9262	2	21.69		33	PASS
Band2	9262	3	21.69		33	PASS
Band2	9262	4	21.68		33	PASS
Band2	9400	1	22.36		33	PASS
Band2	9400	2	21.77		33	PASS
Band2	9400	3	21.75		33	PASS
Band2	9400	4	21.75		33	PASS
Band2	9538	1	22.59		33	PASS
Band2	9538	2	22.01		33	PASS
Band2	9538	3	22.05		33	PASS
Band2	9538	4	22.07		33	PASS

Band4	1312	1	22.13		30	PASS
Band4	1312	2	21.58		30	PASS
Band4	1312	3	21.64		30	PASS
Band4	1312	4	21.60		30	PASS
Band4	1413	1	21.96		30	PASS
Band4	1413	2	21.43		30	PASS
Band4	1413	3	21.48		30	PASS
Band4	1413	4	21.43		30	PASS
Band4	1513	1	21.83		30	PASS
Band4	1513	2	21.32		30	PASS
Band4	1513	3	21.31		30	PASS
Band4	1513	4	21.32		30	PASS
Band5	4132	1	22.72		38.5	PASS
Band5	4132	2	22.17		38.5	PASS
Band5	4132	3	22.19		38.5	PASS
Band5	4132	4	22.19		38.5	PASS
Band5	4183	1	22.55		38.5	PASS
Band5	4183	2	22.02		38.5	PASS
Band5	4183	3	22.03		38.5	PASS
Band5	4183	4	22.05		38.5	PASS
Band5	4233	1	22.61		38.5	PASS
Band5	4233	2	22.12		38.5	PASS
Band5	4233	3	22.11		38.5	PASS
Band5	4233	4	22.06		38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.19		33	PASS
Band2	9262	2	20.69		33	PASS
Band2	9262	3	21.21		33	PASS
Band2	9262	4	20.21		33	PASS
Band2	9262	5	22.19		33	PASS
Band2	9400	1	20.27		33	PASS
Band2	9400	2	20.79		33	PASS
Band2	9400	3	21.27		33	PASS
Band2	9400	4	20.31		33	PASS
Band2	9400	5	22.28		33	PASS
Band2	9538	1	20.51		33	PASS
Band2	9538	2	21.03		33	PASS
Band2	9538	3	21.53		33	PASS

Band2	9538	4	20.57		33	PASS
Band2	9538	5	22.53		33	PASS
Band4	1312	1	20.14		30	PASS
Band4	1312	2	20.65		30	PASS
Band4	1312	3	21.14		30	PASS
Band4	1312	4	20.15		30	PASS
Band4	1312	5	22.16		30	PASS
Band4	1413	1	19.97		30	PASS
Band4	1413	2	20.46		30	PASS
Band4	1413	3	20.98		30	PASS
Band4	1413	4	19.98		30	PASS
Band4	1413	5	21.99		30	PASS
Band4	1513	1	19.84		30	PASS
Band4	1513	2	20.34		30	PASS
Band4	1513	3	20.83		30	PASS
Band4	1513	4	19.85		30	PASS
Band4	1513	5	21.86		30	PASS
Band5	4132	1	20.74		38.5	PASS
Band5	4132	2	21.23		38.5	PASS
Band5	4132	3	21.75		38.5	PASS
Band5	4132	4	20.74		38.5	PASS
Band5	4132	5	22.74		38.5	PASS
Band5	4183	1	20.59		38.5	PASS
Band5	4183	2	21.08		38.5	PASS
Band5	4183	3	21.55		38.5	PASS
Band5	4183	4	20.62		38.5	PASS
Band5	4183	5	22.57		38.5	PASS
Band5	4233	1	20.64		38.5	PASS
Band5	4233	2	21.15		38.5	PASS
Band5	4233	3	21.61		38.5	PASS
Band5	4233	4	20.66		38.5	PASS
Band5	4233	5	22.62		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)

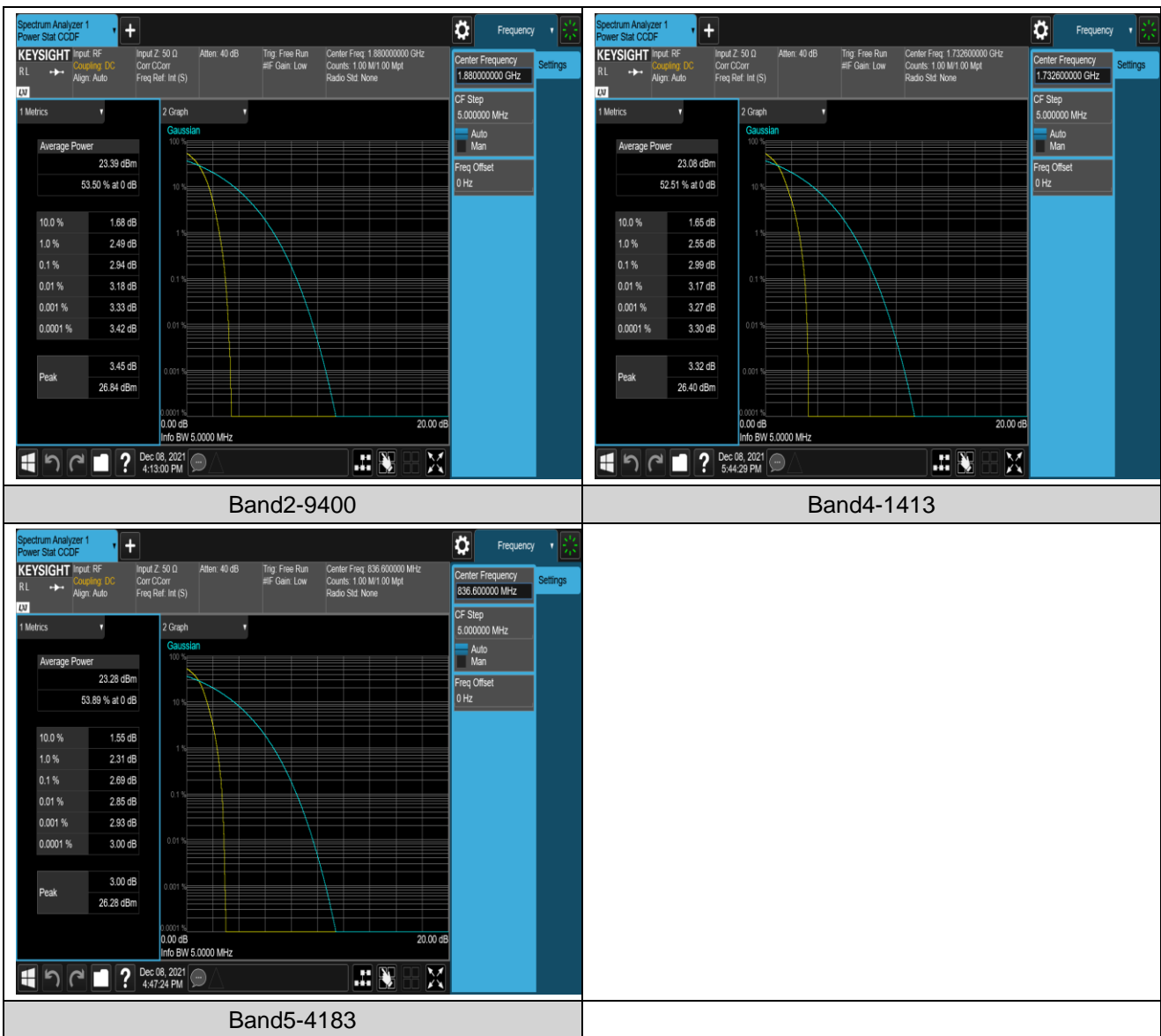
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.94	13	PASS
Band4	1413	2.99	13	PASS
Band5	4183	2.69	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	4.1619	4.710	---	PASS
Band2	9400	4.1620	4.707	---	PASS
Band2	9538	4.1593	4.708	---	PASS
Band4	1312	4.1742	4.717	---	PASS
Band4	1413	4.1689	4.700	---	PASS
Band4	1513	4.1705	4.703	---	PASS
Band5	4132	4.1763	4.714	---	PASS
Band5	4183	4.1753	4.719	---	PASS
Band5	4233	4.1848	4.736	---	PASS

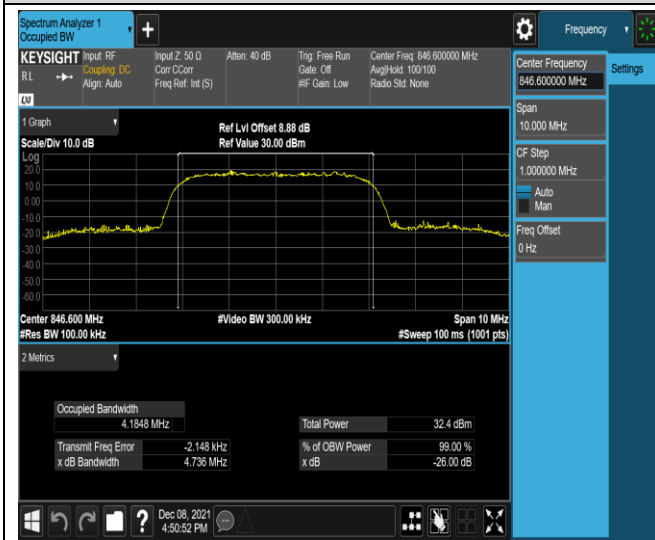
Test Graphs(WCDMA)





Band5-4132-4.714

Band5-4183-4.719



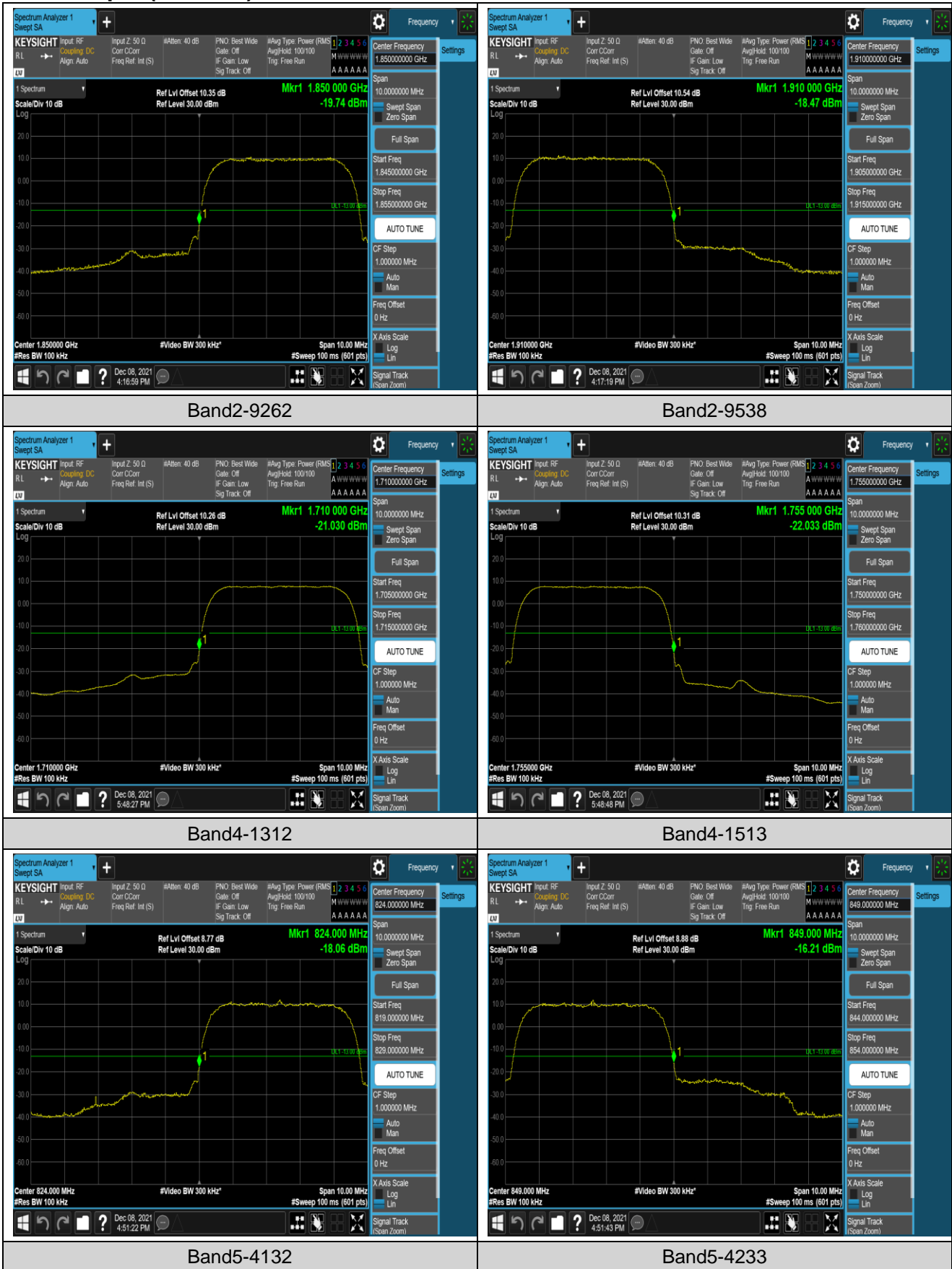
Band5-4233-4.736

AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-19.74	-13	PASS
Band2	9538	1910.00	-18.47	-13	PASS
Band4	1312	1710.00	-21.03	-13	PASS
Band4	1513	1755.00	-22.03	-13	PASS
Band5	4132	824.00	-18.06	-13	PASS
Band5	4233	849.00	-16.21	-13	PASS

Test Graphs(WCDMA)

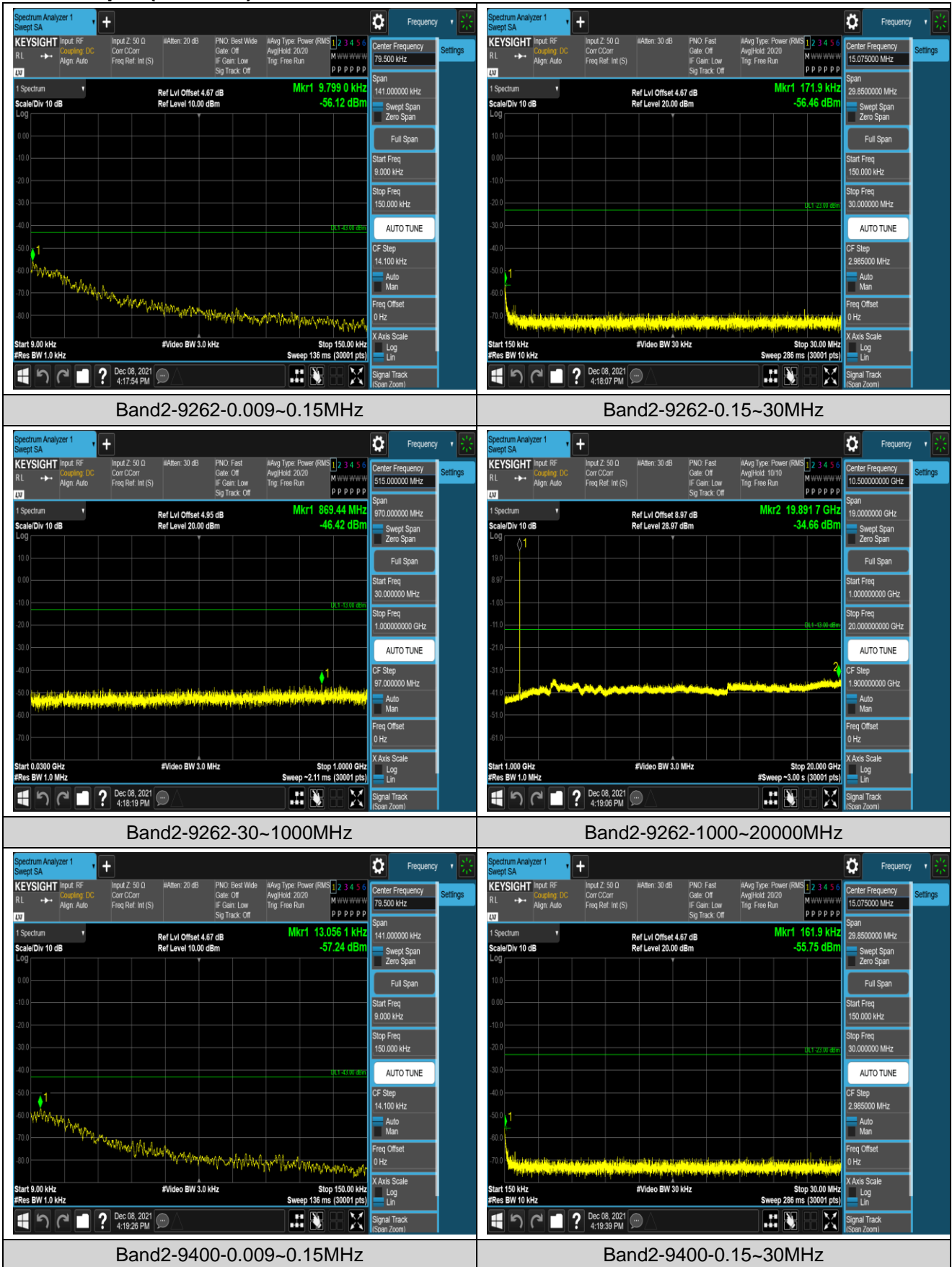


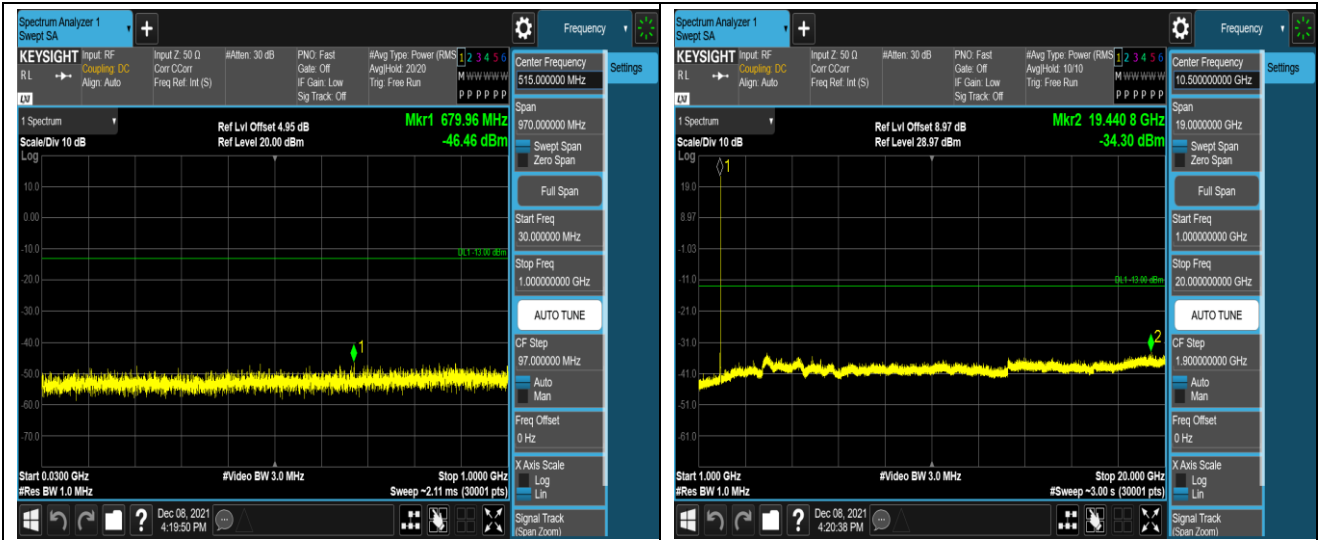
Appendix E: Conducted Spurious Emission

Test Result (WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-56.12	-43	PASS
Band2	9262	0.15~30MHz	0.17	-56.46	-23	PASS
Band2	9262	30~1000MHz	869.44	-46.42	-13	PASS
Band2	9262	1000~20000MHz	19891.7	-34.66	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-57.24	-43	PASS
Band2	9400	0.15~30MHz	0.16	-55.75	-23	PASS
Band2	9400	30~1000MHz	679.96	-46.46	-13	PASS
Band2	9400	1000~20000MHz	19440.77	-34.3	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.96	-43	PASS
Band2	9538	0.15~30MHz	0.15	-57.16	-23	PASS
Band2	9538	30~1000MHz	894.59	-44.4	-13	PASS
Band2	9538	1000~20000MHz	3799.33	-34.1	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-56.55	-43	PASS
Band4	1312	0.15~30MHz	0.16	-55.35	-23	PASS
Band4	1312	30~1000MHz	836.75	-46.19	-13	PASS
Band4	1312	1000~20000MHz	18909.4	-34.57	-13	PASS
Band4	1413	0.009~0.15MHz	0.02	-58.06	-43	PASS
Band4	1413	0.15~30MHz	0.16	-55.95	-23	PASS
Band4	1413	30~1000MHz	988.33	-46.84	-13	PASS
Band4	1413	1000~20000MHz	3826.57	-34.31	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-57.02	-43	PASS
Band4	1513	0.15~30MHz	0.15	-56.28	-23	PASS
Band4	1513	30~1000MHz	869.76	-45.83	-13	PASS
Band4	1513	1000~20000MHz	19984.17	-34.83	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-57.49	-33	PASS
Band5	4132	0.15~30MHz	0.15	-56.49	-13	PASS
Band5	4132	30~1000MHz	951.79	-55.74	-13	PASS
Band5	4132	1000~10000MHz	3763.3	-34.92	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-57.13	-33	PASS
Band5	4183	0.15~30MHz	0.16	-57.24	-13	PASS
Band5	4183	30~1000MHz	592.99	-56.16	-13	PASS
Band5	4183	1000~10000MHz	3764.2	-35.04	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-55.56	-33	PASS
Band5	4233	0.15~30MHz	0.15	-57.69	-13	PASS
Band5	4233	30~1000MHz	660.79	-56	-13	PASS
Band5	4233	1000~10000MHz	3783.4	-34.88	-13	PASS

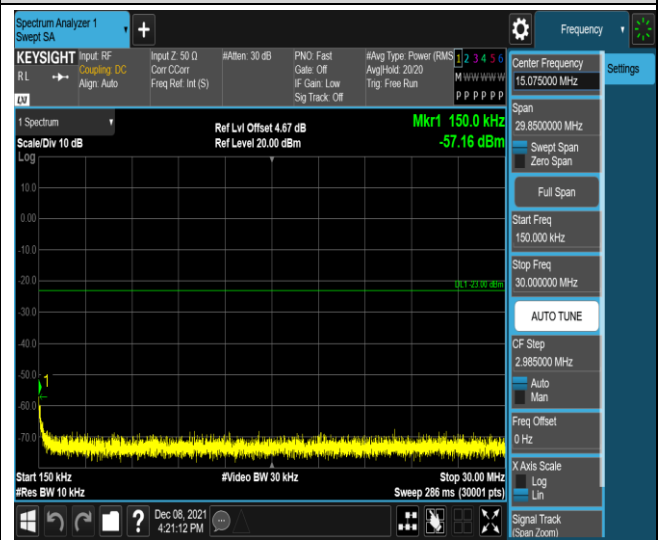
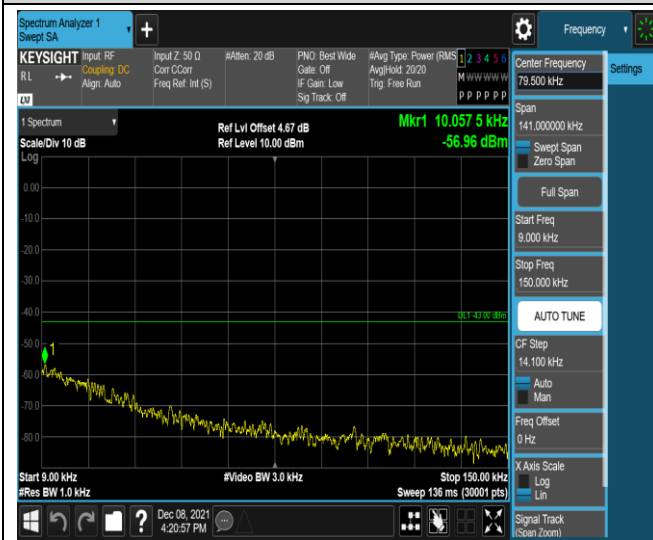
Test Graphs(WCDMA)





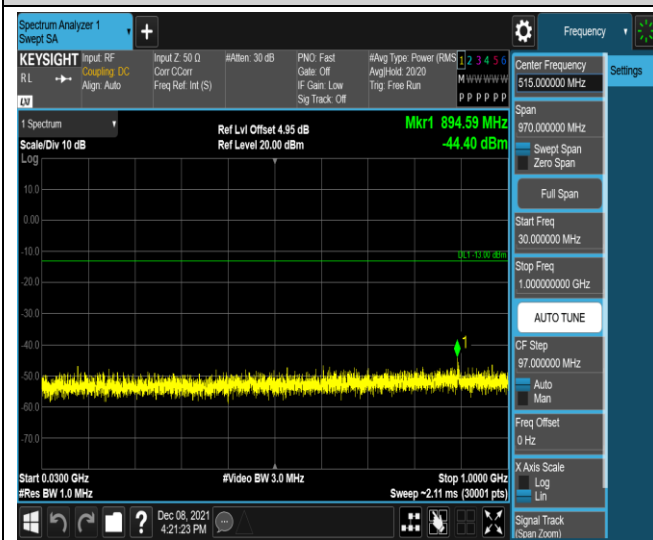
Band2-9400-30~1000MHz

Band2-9400-1000~20000MHz



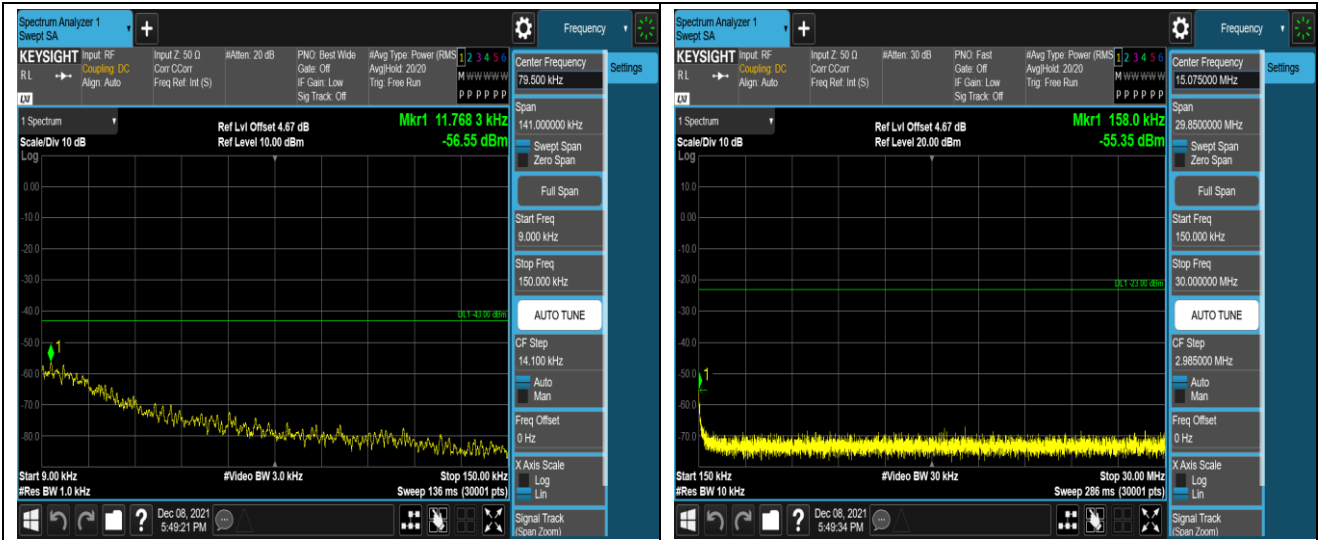
Band2-9538-0.009~0.15MHz

Band2-9538-0.15~30MHz



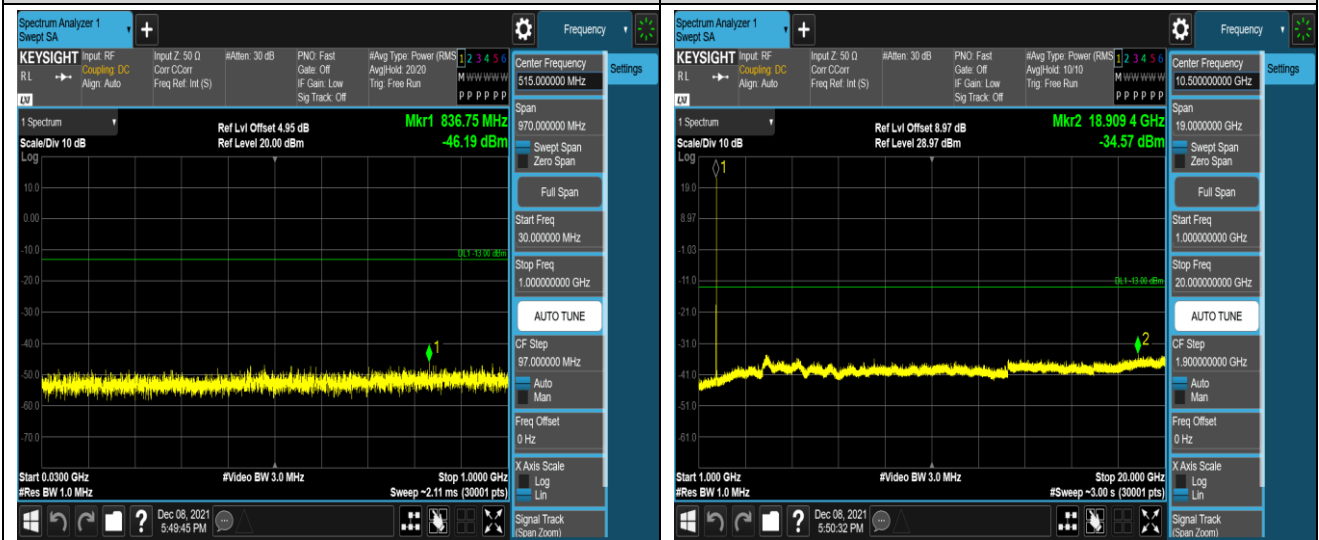
Band2-9538-30~1000MHz

Band2-9538-1000~20000MHz



Band4-1312-0.009~0.15MHz

Band4-1312-0.15~30MHz



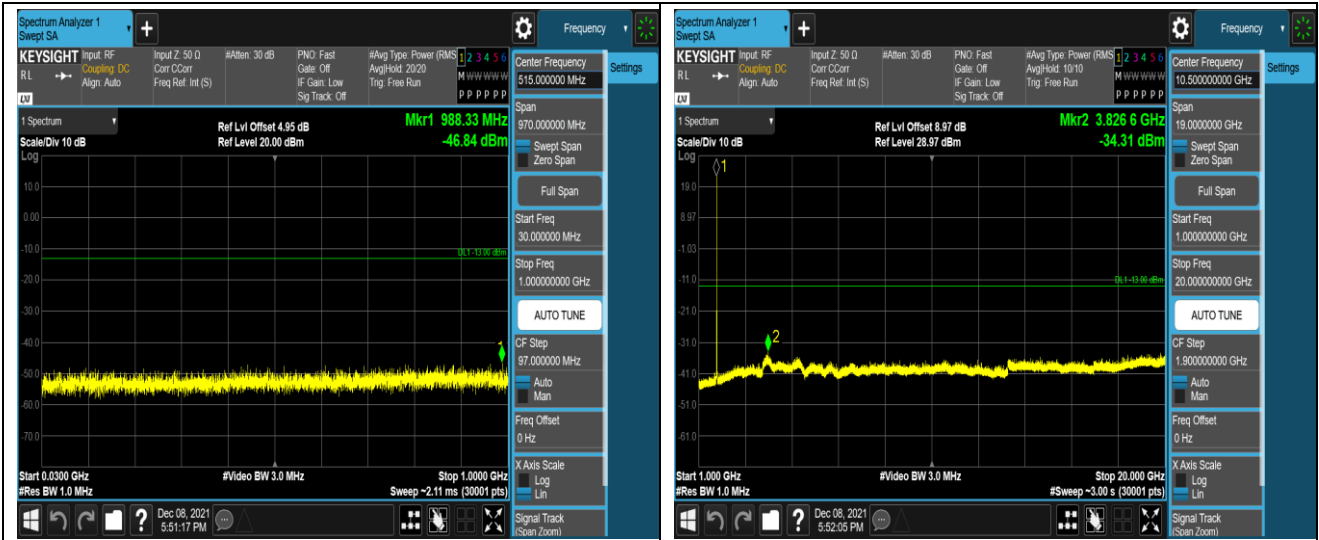
Band4-1312-30~1000MHz

Band4-1312-1000~20000MHz



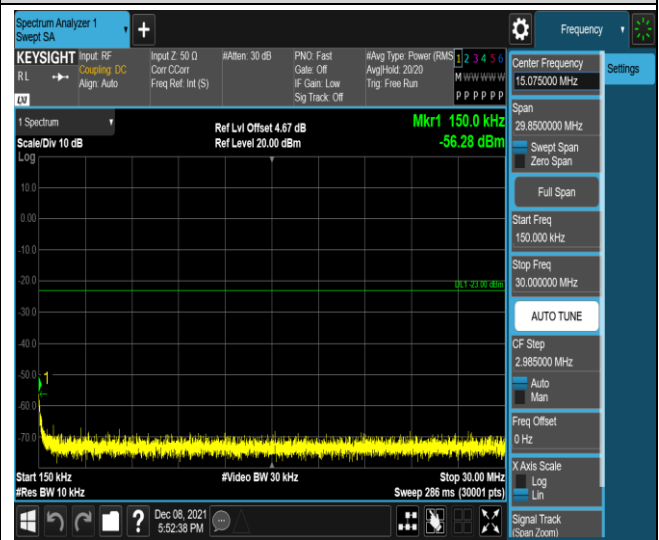
Band4-1413-0.009~0.15MHz

Band4-1413-0.15~30MHz



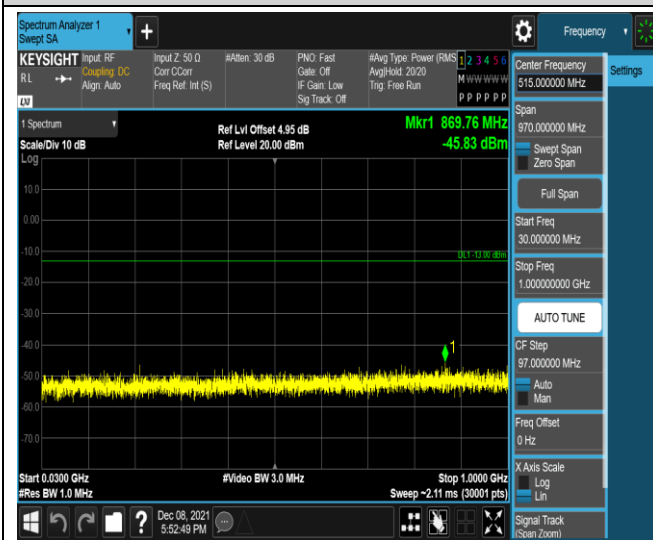
Band4-1413-30~1000MHz

Band4-1413-1000~20000MHz



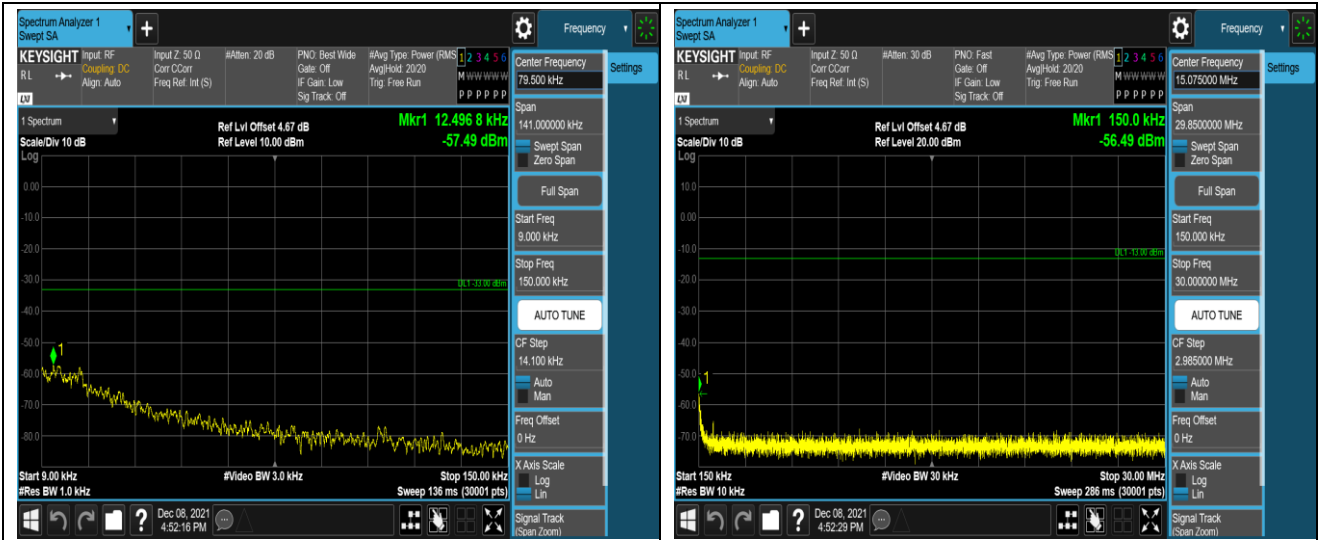
Band4-1513-0.009~0.15MHz

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



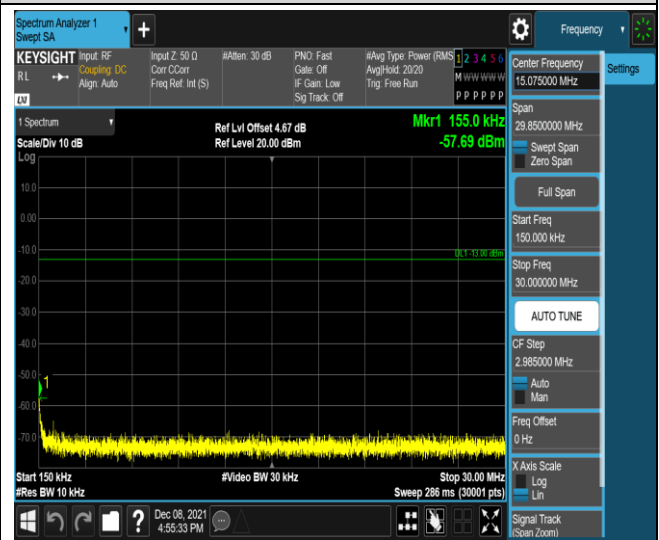
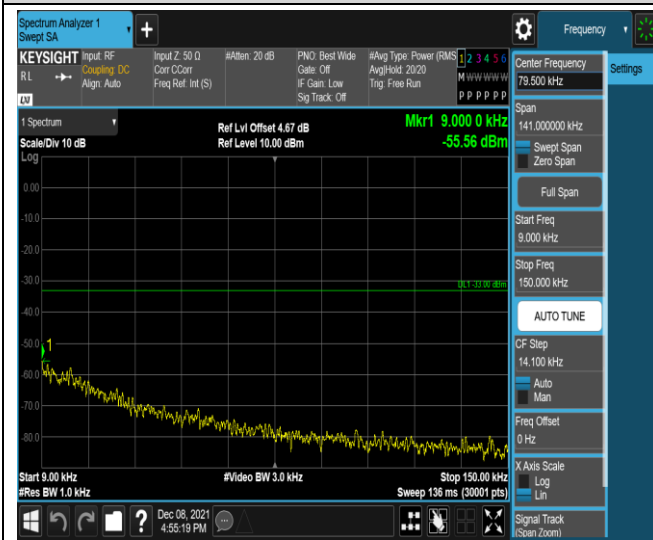
Band5-4183-0.009~0.15MHz

Band5-4183-0.15~30MHz



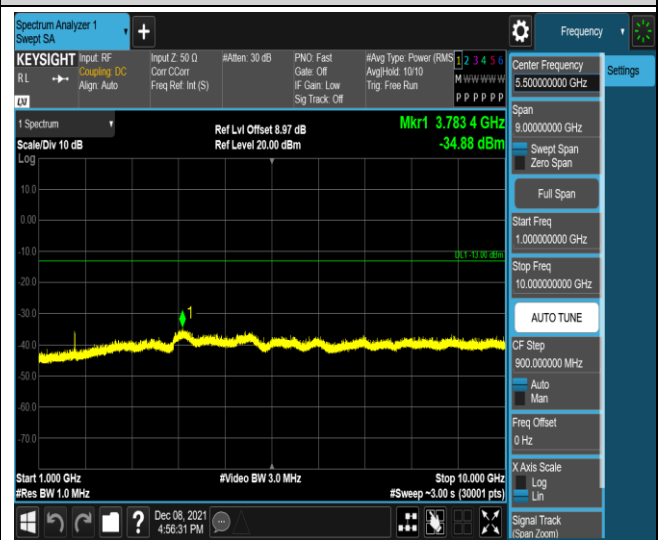
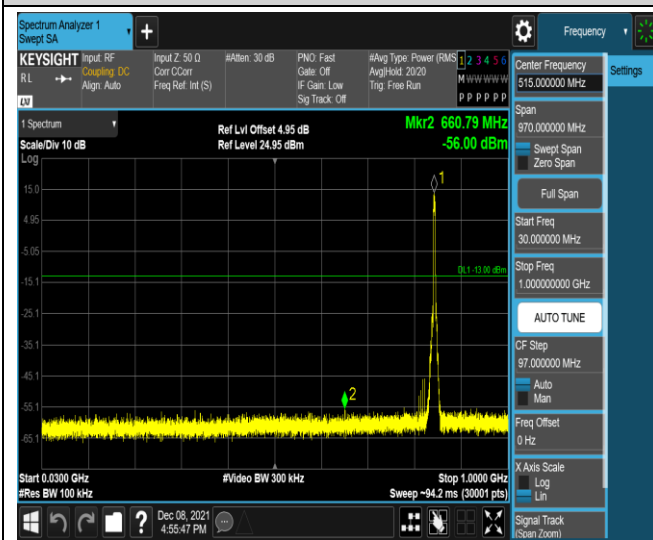
Band5-4183-30~1000MHz

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		
3.85	-30	-4.22	-0.002245	Within authorized band for BAND II	Pass
	-20	-3.91	-0.00208		
	-10	-11.32	-0.006021		
	0	-2.22	-0.001181		
	10	-6.29	-0.003346		
	20	-6.27	-0.003335		
	30	-7.15	-0.003803		
	40	-7.18	-0.003819		
	50	-9.33	-0.004963		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-8.63	-0.00459	Within authorized band for BAND II	Pass
	3.85	-8.45	-0.004495		
	4.40	-2.14	-0.001138		
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=4183 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.85	-30	-9.21	-0.005316	±2.5	Pass
	-20	-9.38	-0.005414		
	-10	-9.53	-0.0055		
	0	-12.36	-0.007134		
	10	-11.98	-0.006914		
	20	-6.42	-0.003705		
	30	-7.57	-0.004369		
	40	-9.02	-0.005206		
	50	-14.45	-0.00834		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-6.77	-0.003907	±2.5	Pass
	3.85	-6.78	-0.003913		
	4.40	-12.25	-0.00707		
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		
3.85	-30	-11.51	-0.013758	±2.5	Pass
	-20	-6.19	-0.007399		
	-10	-4.67	-0.005582		
	0	-10.65	-0.01273		
	10	-10.38	-0.012407		
	20	-9.06	-0.01083		
	30	-7.8	-0.009323		
	40	-10.59	-0.012658		
	50	-8.82	-0.010543		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-6.54	-0.007817	±2.5	Pass
	3.85	-5.41	-0.006467		
	4.40	-4.28	-0.005116		
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

