

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	22.65	22.15	33	PASS
Band2	TestMode	9262	22.69	22.19	33	PASS
Band2	TestMode	9400	22.79	22.29	33	PASS
Band2	Voice	9400	22.79	22.29	33	PASS
Band2	TestMode	9538	22.77	22.27	33	PASS
Band2	Voice	9538	22.78	22.28	33	PASS
Band4	Voice	1312	22.75	22.05	30	PASS
Band4	TestMode	1312	22.77	22.07	30	PASS
Band4	Voice	1413	22.79	22.09	30	PASS
Band4	TestMode	1413	22.89	22.19	30	PASS
Band4	TestMode	1513	22.82	22.12	30	PASS
Band4	Voice	1513	22.78	22.08	30	PASS
Band5	Voice	4132	22.63	18.88	38.5	PASS
Band5	TestMode	4132	22.44	18.69	38.5	PASS
Band5	TestMode	4183	22.83	19.08	38.5	PASS
Band5	Voice	4183	22.88	19.13	38.5	PASS
Band5	Voice	4233	22.59	18.84	38.5	PASS
Band5	TestMode	4233	22.38	18.63	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.08	22.58	33	PASS
Band2	9262	2	22.80	22.30	33	PASS
Band2	9262	3	22.55	22.05	33	PASS
Band2	9262	4	22.57	22.07	33	PASS
Band2	9400	1	23.00	22.50	33	PASS
Band2	9400	2	22.59	22.09	33	PASS
Band2	9400	3	22.35	21.85	33	PASS
Band2	9400	4	22.35	21.85	33	PASS
Band2	9538	1	22.96	22.46	33	PASS
Band2	9538	2	22.57	22.07	33	PASS
Band2	9538	3	22.27	21.77	33	PASS
Band2	9538	4	22.34	21.84	33	PASS

Band4	1312	1	21.17	20.47	30	PASS
Band4	1312	2	21.79	21.09	30	PASS
Band4	1312	3	21.76	21.06	30	PASS
Band4	1312	4	21.72	21.02	30	PASS
Band4	1413	1	21.35	20.65	30	PASS
Band4	1413	2	22.01	21.31	30	PASS
Band4	1413	3	21.90	21.20	30	PASS
Band4	1413	4	21.94	21.24	30	PASS
Band4	1513	1	21.13	20.43	30	PASS
Band4	1513	2	21.82	21.12	30	PASS
Band4	1513	3	21.69	20.99	30	PASS
Band4	1513	4	21.78	21.08	30	PASS
Band5	4132	1	22.39	18.64	38.5	PASS
Band5	4132	2	22.37	18.62	38.5	PASS
Band5	4132	3	21.95	18.2	38.5	PASS
Band5	4132	4	21.89	18.14	38.5	PASS
Band5	4183	1	22.22	18.47	38.5	PASS
Band5	4183	2	22.22	18.47	38.5	PASS
Band5	4183	3	21.80	18.05	38.5	PASS
Band5	4183	4	21.82	18.07	38.5	PASS
Band5	4233	1	22.51	18.76	38.5	PASS
Band5	4233	2	22.35	18.6	38.5	PASS
Band5	4233	3	21.90	18.15	38.5	PASS
Band5	4233	4	21.90	18.15	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.69	20.19	33	PASS
Band2	9262	2	21.32	20.82	33	PASS
Band2	9262	3	21.09	20.59	33	PASS
Band2	9262	4	21.38	20.88	33	PASS
Band2	9262	5	23.05	22.55	33	PASS
Band2	9400	1	20.57	20.07	33	PASS
Band2	9400	2	20.89	20.39	33	PASS
Band2	9400	3	20.47	19.97	33	PASS
Band2	9400	4	20.88	20.38	33	PASS
Band2	9400	5	22.85	22.35	33	PASS
Band2	9538	1	20.10	19.60	33	PASS
Band2	9538	2	20.86	20.36	33	PASS
Band2	9538	3	20.47	19.97	33	PASS

Band2	9538	4	20.85	20.35	33	PASS
Band2	9538	5	22.71	22.21	33	PASS
Band4	1312	1	20.06	19.36	30	PASS
Band4	1312	2	19.72	19.02	30	PASS
Band4	1312	3	19.95	19.25	30	PASS
Band4	1312	4	19.79	19.09	30	PASS
Band4	1312	5	21.70	21.00	30	PASS
Band4	1413	1	19.54	18.84	30	PASS
Band4	1413	2	19.62	18.92	30	PASS
Band4	1413	3	19.61	18.91	30	PASS
Band4	1413	4	19.69	18.99	30	PASS
Band4	1413	5	21.63	20.93	30	PASS
Band4	1513	1	19.65	18.95	30	PASS
Band4	1513	2	19.40	18.70	30	PASS
Band4	1513	3	19.40	18.70	30	PASS
Band4	1513	4	19.45	18.75	30	PASS
Band4	1513	5	21.67	20.97	30	PASS
Band5	4132	1	21.12	17.37	38.5	PASS
Band5	4132	2	21.47	17.72	38.5	PASS
Band5	4132	3	16.49	12.74	38.5	PASS
Band5	4132	4	15.90	12.15	38.5	PASS
Band5	4132	5	22.29	18.54	38.5	PASS
Band5	4183	1	19.93	16.18	38.5	PASS
Band5	4183	2	16.22	12.47	38.5	PASS
Band5	4183	3	16.63	12.88	38.5	PASS
Band5	4183	4	14.64	10.89	38.5	PASS
Band5	4183	5	22.52	18.77	38.5	PASS
Band5	4233	1	20.45	16.7	38.5	PASS
Band5	4233	2	21.10	17.35	38.5	PASS
Band5	4233	3	16.70	12.95	38.5	PASS
Band5	4233	4	16.03	12.28	38.5	PASS
Band5	4233	5	22.47	18.72	38.5	PASS

Remark: $EIRP (dBm) = \text{Conducted power (dBm)} + \text{Antenna Gain (dBi)}$. (For Band2& Band4)
 $ERP (dBm) = EIRP (dBm) - 2.15 (dB)$. (For Band5)

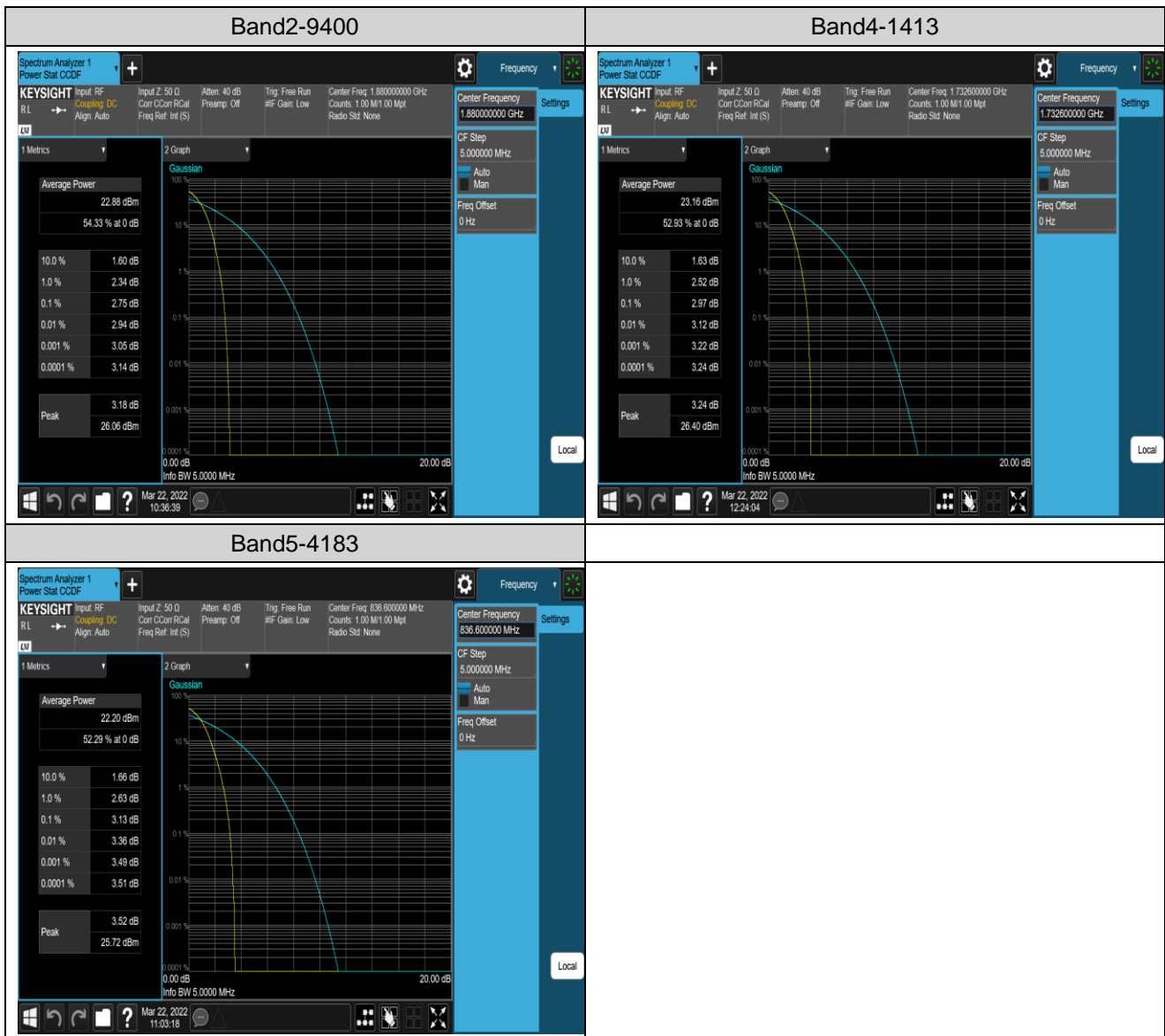
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.75	13	PASS
Band4	1413	2.97	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)

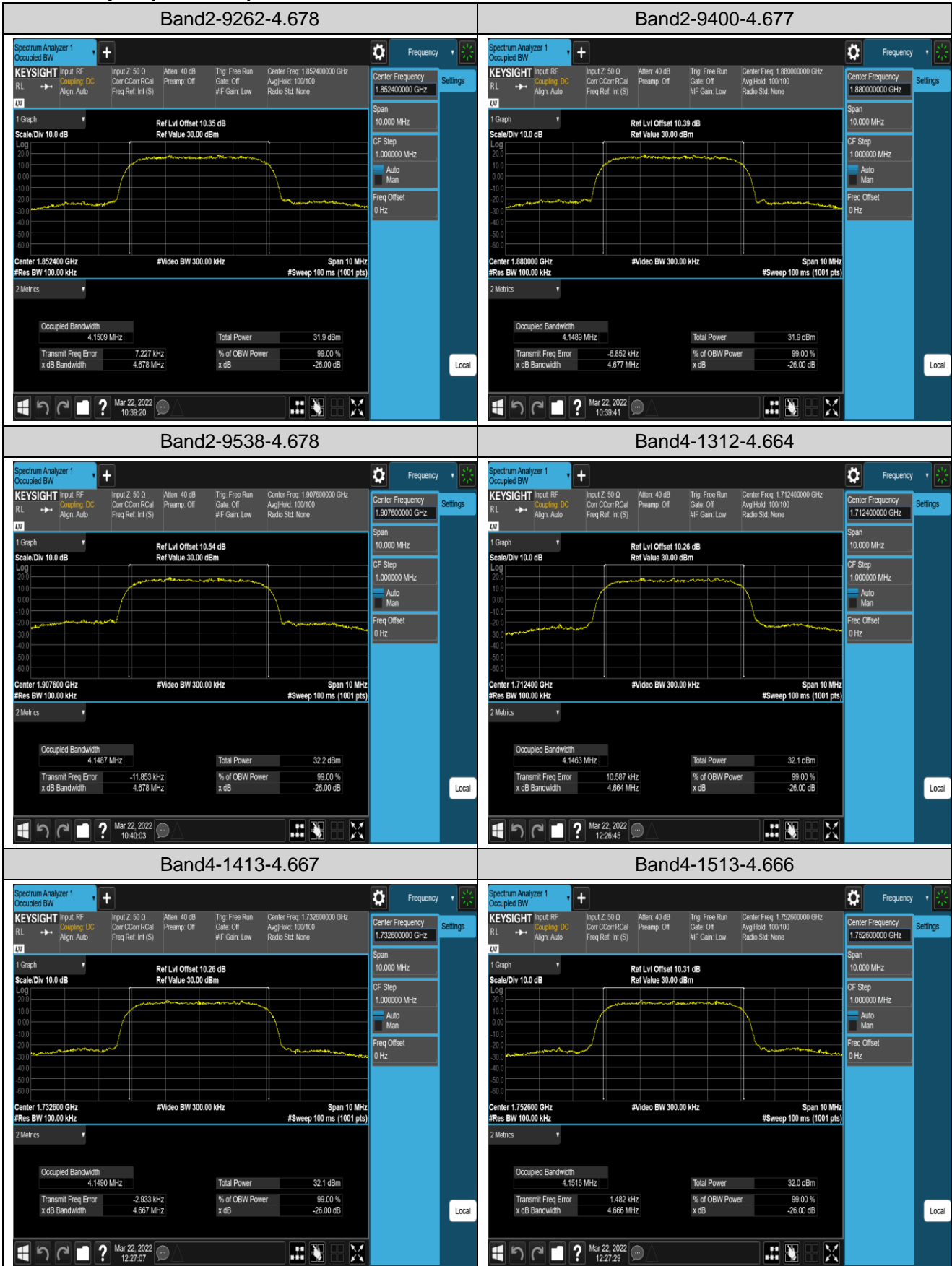


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1509	4.678	---	PASS
Band2	9400	4.1489	4.677	---	PASS
Band2	9538	4.1487	4.678	---	PASS
Band4	1312	4.1463	4.664	---	PASS
Band4	1413	4.1490	4.667	---	PASS
Band4	1513	4.1516	4.666	---	PASS
Band5	4132	4.1444	4.660	---	PASS
Band5	4183	4.1518	4.672	---	PASS
Band5	4233	4.1543	4.655	---	PASS

Test Graphs(WCDMA)



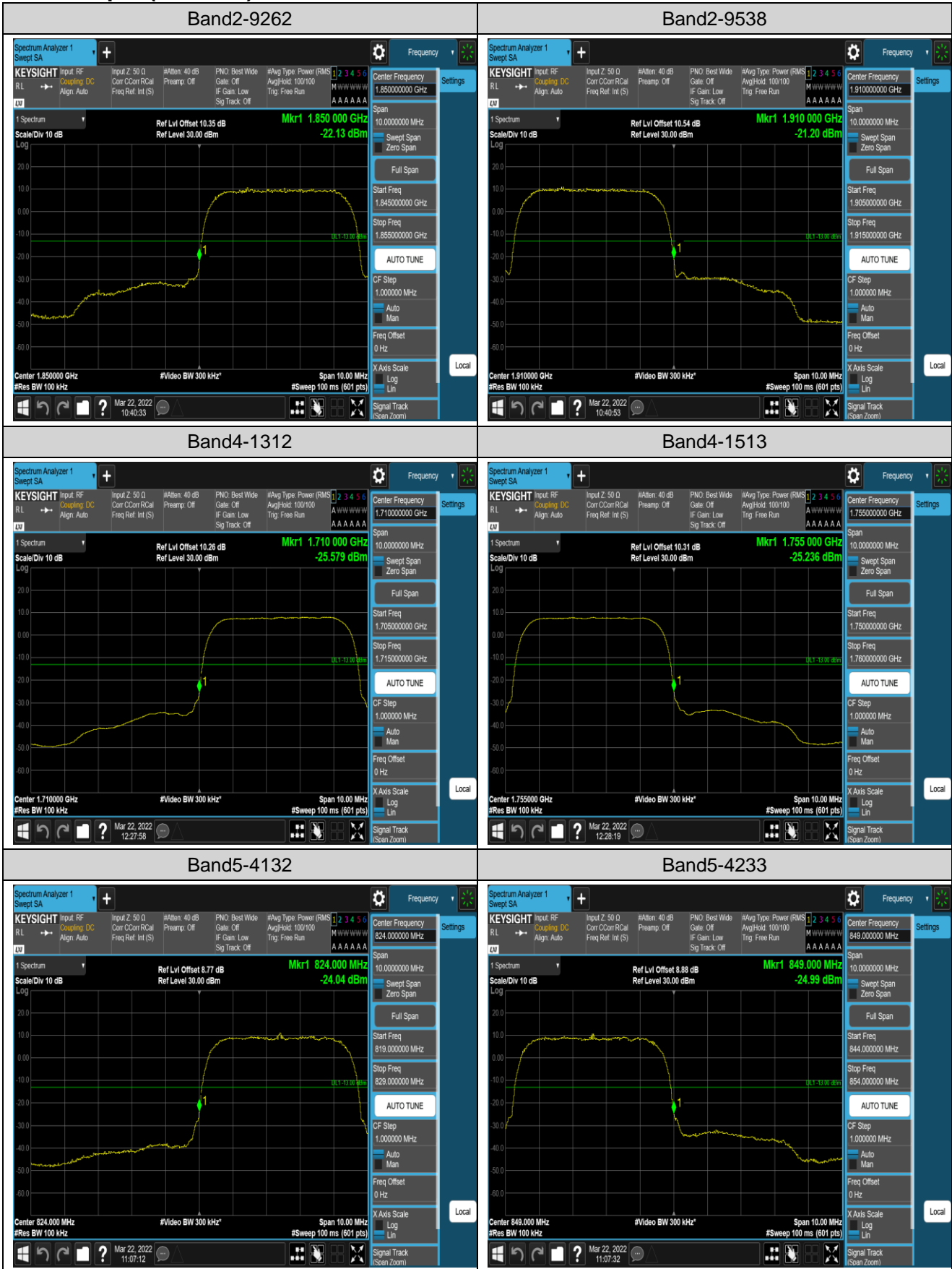


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-22.13	-13	PASS
Band2	9538	1910.00	-21.20	-13	PASS
Band4	1312	1710.00	-25.58	-13	PASS
Band4	1513	1755.00	-25.24	-13	PASS
Band5	4132	824.00	-24.04	-13	PASS
Band5	4233	849.00	-24.99	-13	PASS

Test Graphs(WCDMA)

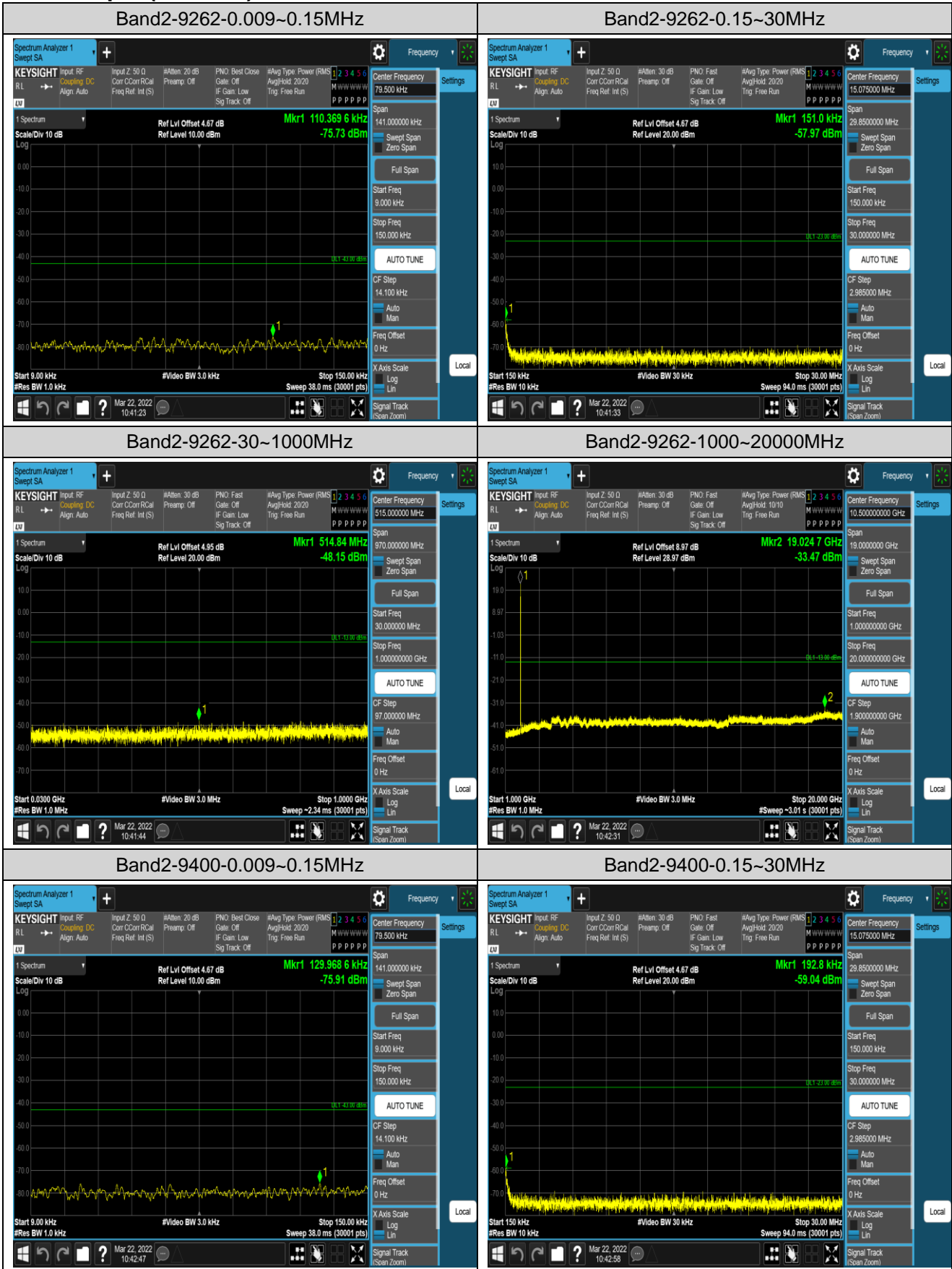


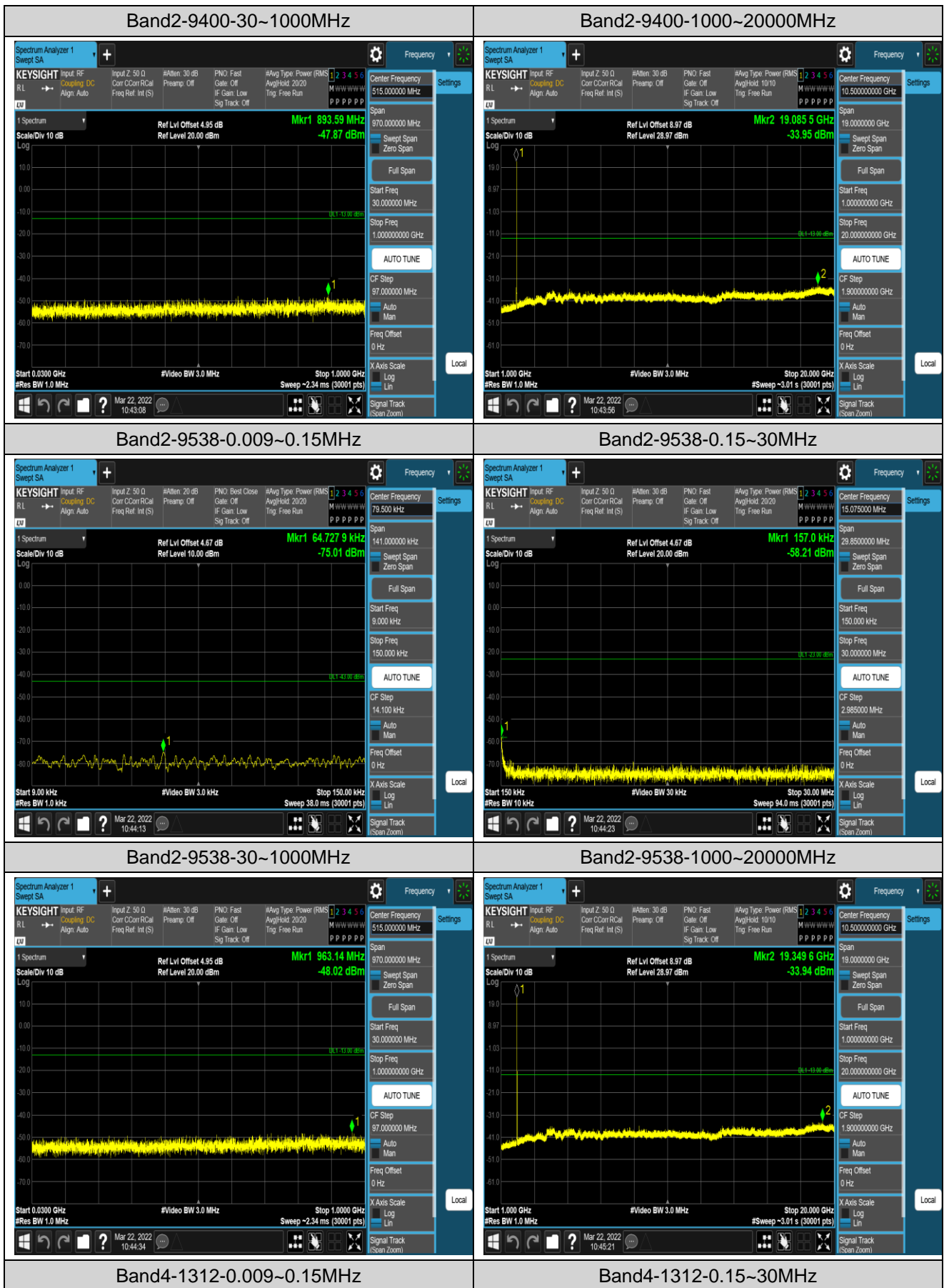
Appendix E: Conducted Spurious Emission

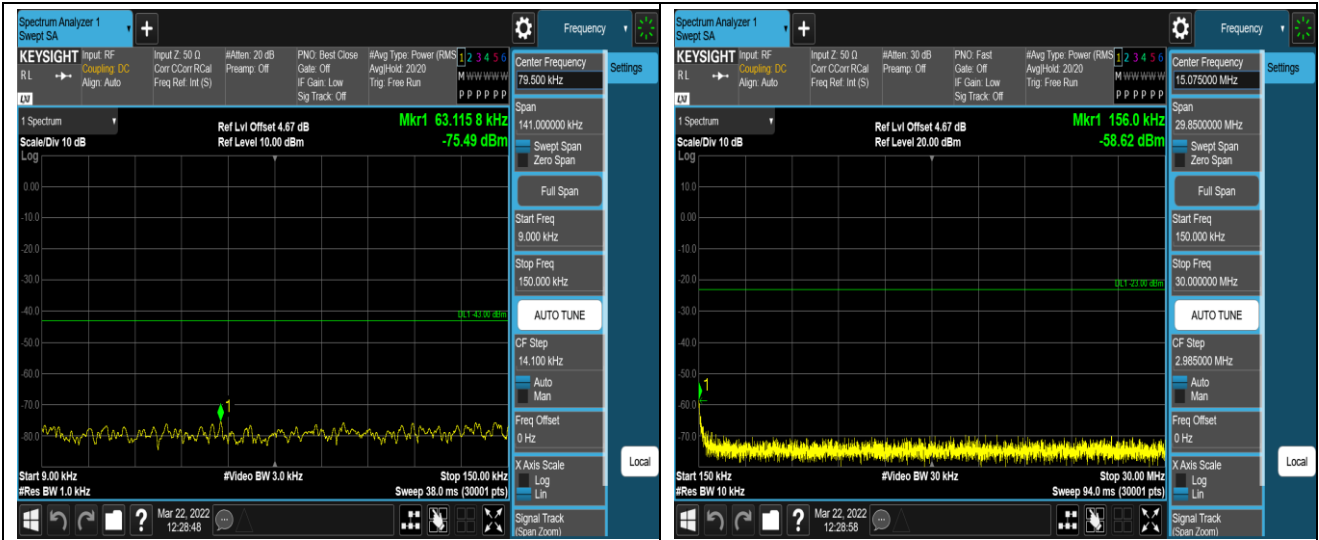
Test Result (WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.11	-75.73	-43	PASS
Band2	9262	0.15~30MHz	0.15	-57.97	-23	PASS
Band2	9262	30~1000MHz	514.84	-48.15	-13	PASS
Band2	9262	1000~20000MHz	19024.67	-33.47	-13	PASS
Band2	9400	0.009~0.15MHz	0.13	-75.91	-43	PASS
Band2	9400	0.15~30MHz	0.19	-59.04	-23	PASS
Band2	9400	30~1000MHz	893.59	-47.88	-13	PASS
Band2	9400	1000~20000MHz	19085.47	-33.95	-13	PASS
Band2	9538	0.009~0.15MHz	0.06	-75.01	-43	PASS
Band2	9538	0.15~30MHz	0.16	-58.21	-23	PASS
Band2	9538	30~1000MHz	963.14	-48.02	-13	PASS
Band2	9538	1000~20000MHz	19349.57	-33.94	-13	PASS
Band4	1312	0.009~0.15MHz	0.06	-75.49	-43	PASS
Band4	1312	0.15~30MHz	0.16	-58.62	-23	PASS
Band4	1312	30~1000MHz	575.04	-47.96	-13	PASS
Band4	1312	1000~20000MHz	19832.8	-34.09	-13	PASS
Band4	1413	0.009~0.15MHz	0.08	-75.25	-43	PASS
Band4	1413	0.15~30MHz	0.16	-56.88	-23	PASS
Band4	1413	30~1000MHz	917.52	-47.67	-13	PASS
Band4	1413	1000~20000MHz	19415.43	-34.19	-13	PASS
Band4	1513	0.009~0.15MHz	0.04	-75.54	-43	PASS
Band4	1513	0.15~30MHz	0.15	-55.02	-23	PASS
Band4	1513	30~1000MHz	923.89	-45.97	-13	PASS
Band4	1513	1000~20000MHz	19162.73	-34.01	-13	PASS
Band5	4132	0.009~0.15MHz	0.12	-76.1	-33	PASS
Band5	4132	0.15~30MHz	0.15	-57.77	-13	PASS
Band5	4132	30~1000MHz	714.04	-57.8	-13	PASS
Band5	4132	1000~10000MHz	5028.1	-35.56	-13	PASS
Band5	4183	0.009~0.15MHz	0.14	-73.93	-33	PASS
Band5	4183	0.15~30MHz	0.15	-56.67	-13	PASS
Band5	4183	30~1000MHz	941.99	-58.12	-13	PASS
Band5	4183	1000~10000MHz	4865.5	-36.35	-13	PASS
Band5	4233	0.009~0.15MHz	0.14	-75.34	-33	PASS
Band5	4233	0.15~30MHz	0.15	-58	-13	PASS
Band5	4233	30~1000MHz	687.79	-57.87	-13	PASS
Band5	4233	1000~10000MHz	4023.1	-35.85	-13	PASS

Test Graphs(WCDMA)

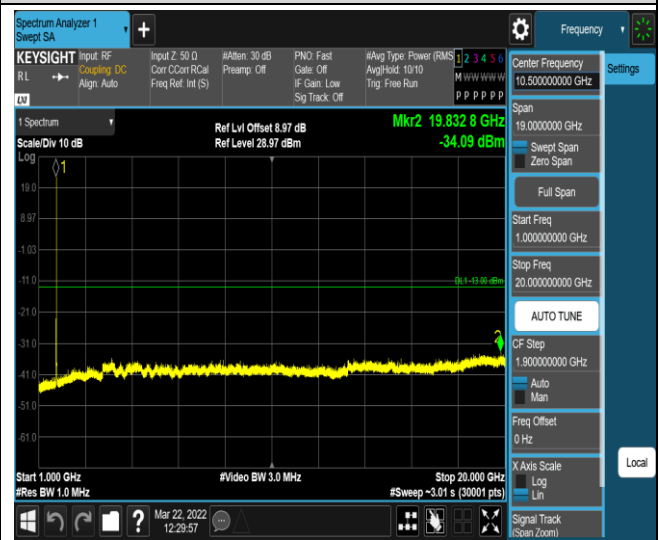






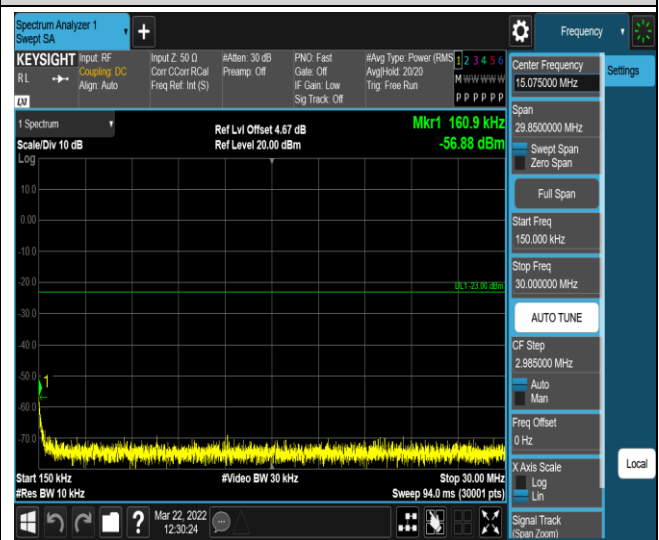
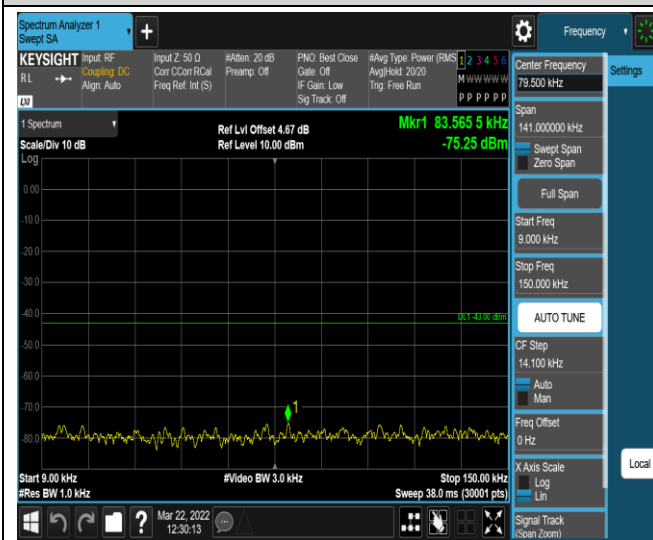
Band4-1312-30~1000MHz

Band4-1312-1000~20000MHz



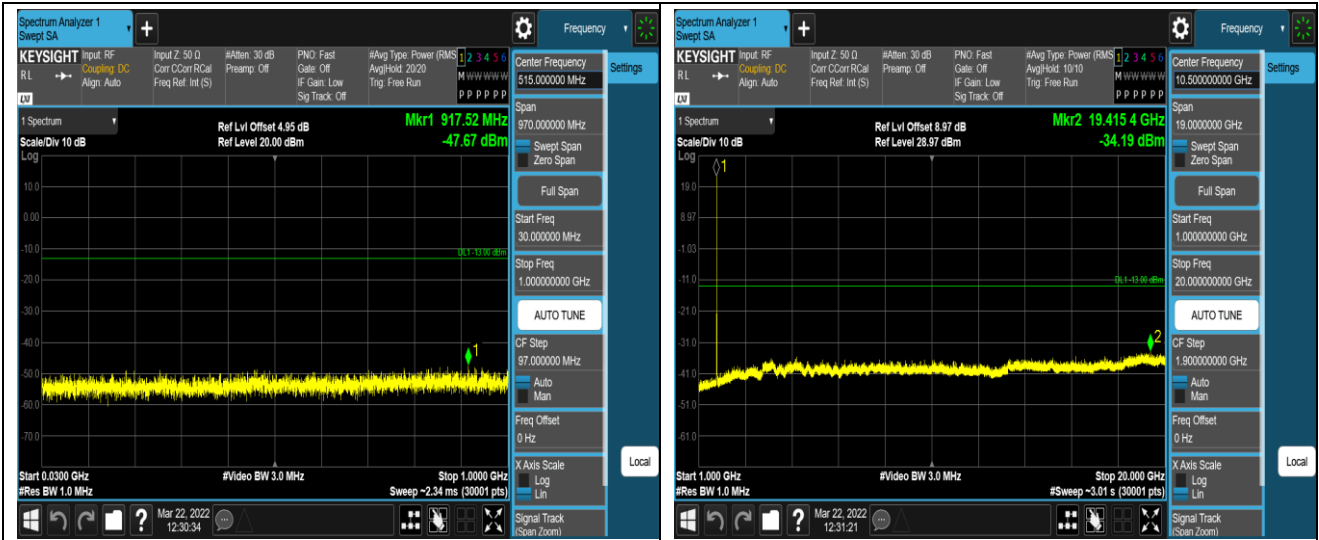
Band4-1413-0.009~0.15MHz

Band4-1413-0.15~30MHz



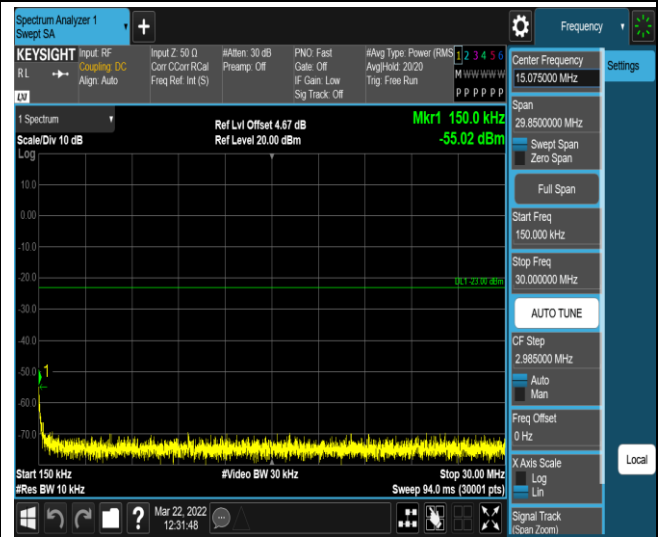
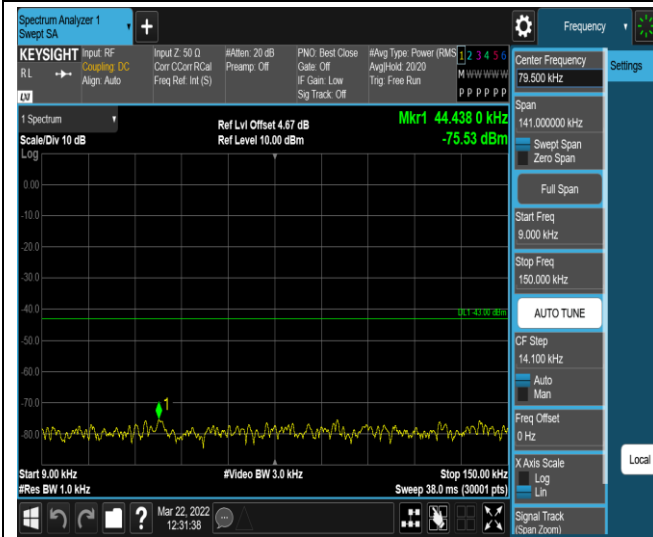
Band4-1413-30~1000MHz

Band4-1413-1000~20000MHz



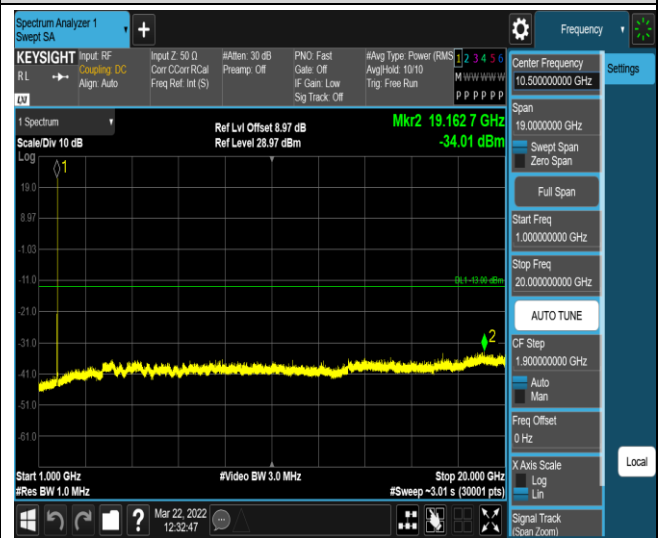
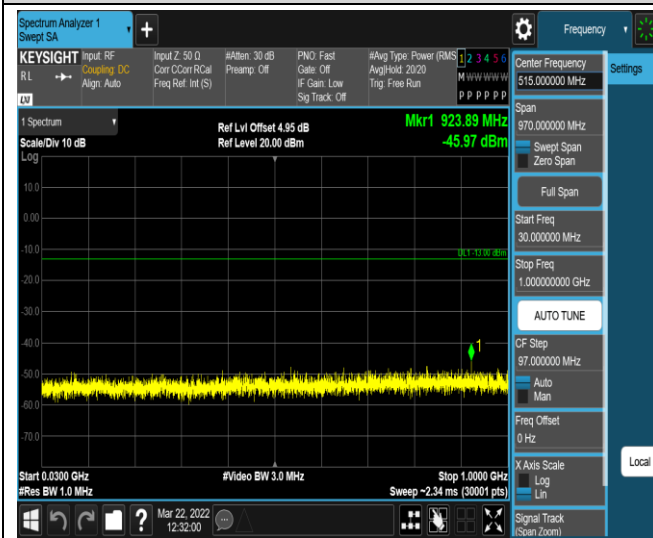
Band4-1513-0.009~0.15MHz

Band4-1513-0.15~30MHz



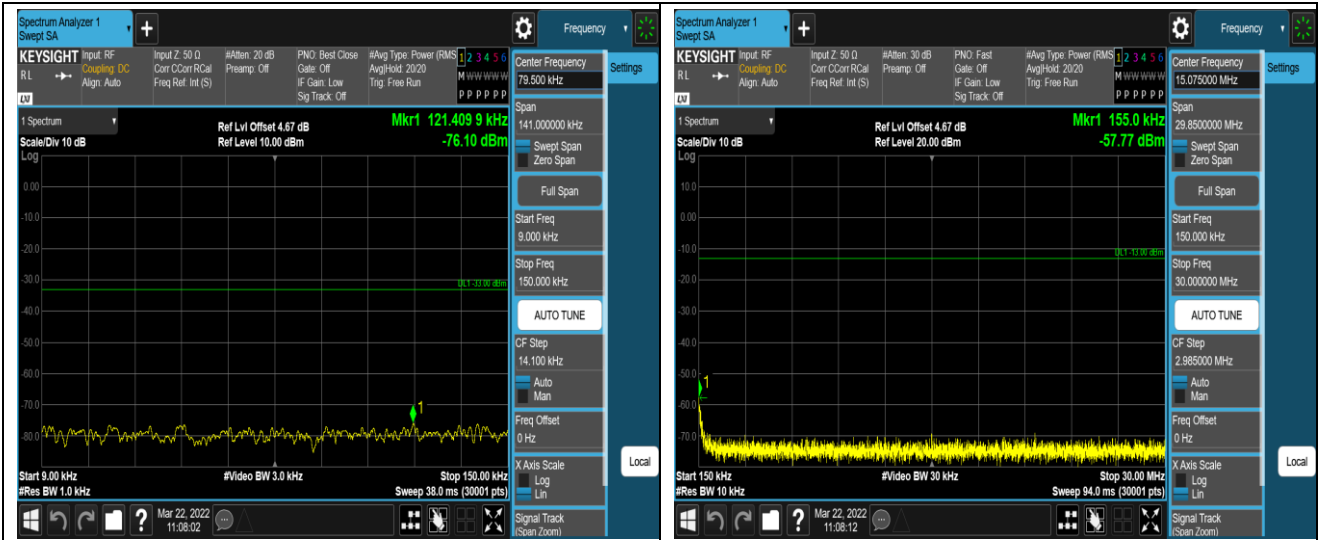
Band4-1513-30~1000MHz

Band4-1513-1000~20000MHz



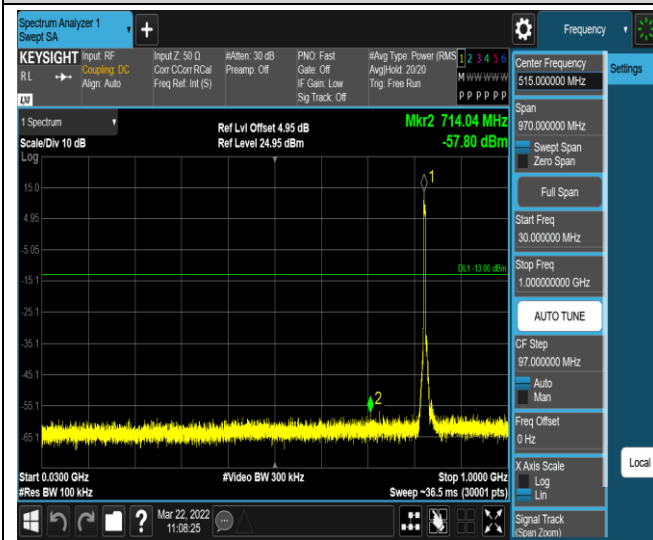
Band5-4132-0.009~0.15MHz

Band5-4132-0.15~30MHz



Band5-4132-30~1000MHz

Band5-4132-1000~10000MHz



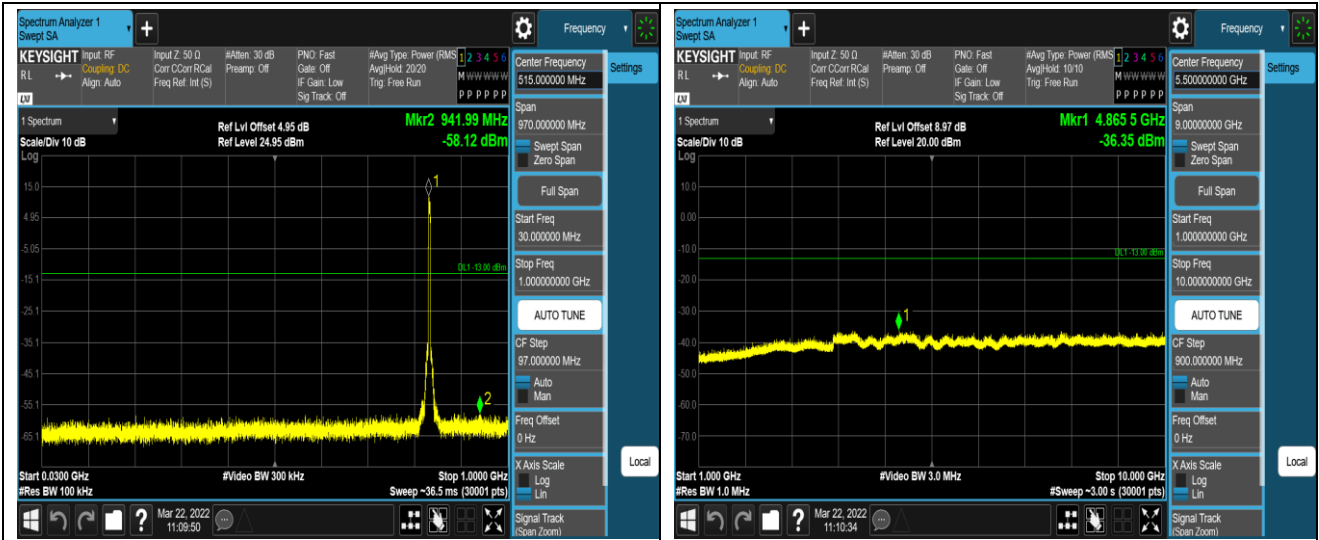
Band5-4183-0.009~0.15MHz

Band5-4183-0.15~30MHz



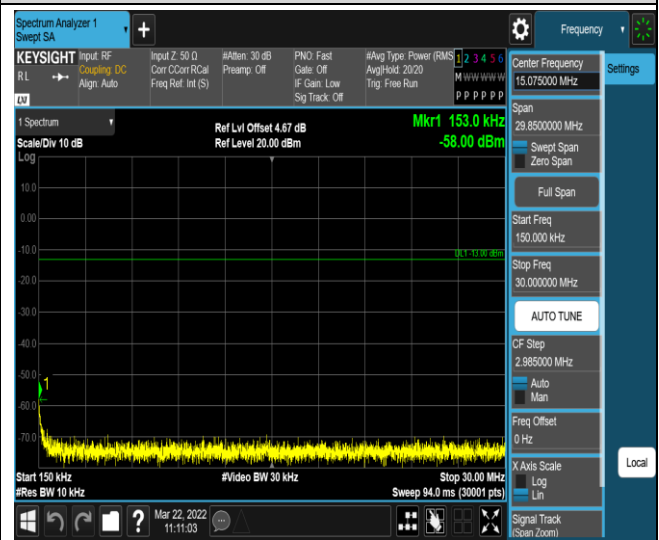
Band5-4183-30~1000MHz

Band5-4183-1000~10000MHz



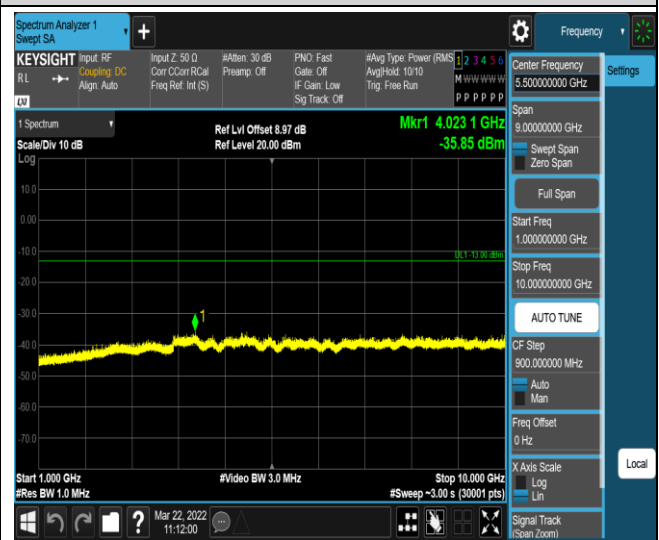
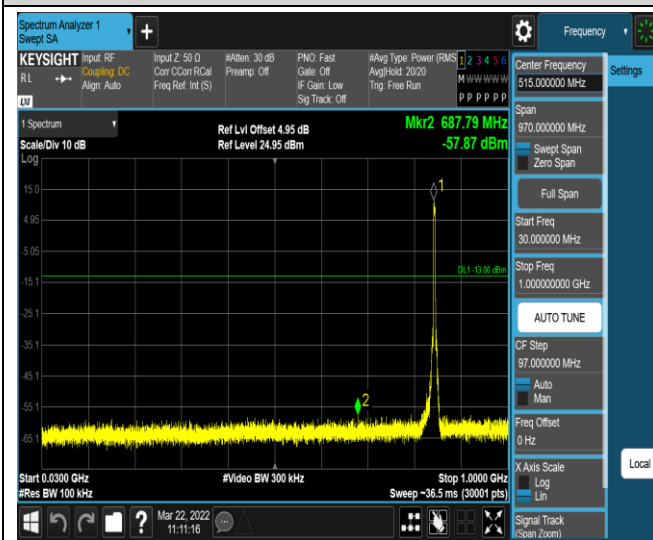
Band5-4233-0.009~0.15MHz

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		
3.85	-30	-1.58	-0.000840	Within authorized band for BAND II	Pass
	-20	-1.47	-0.000782		
	-10	2.68	0.001426		
	0	-3.38	-0.001798		
	10	1.14	0.000606		
	20	1.24	0.000660		
	30	1.47	0.000782		
	40	0.82	0.000436		
	50	1.90	0.001011		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	0.39	0.000207	Within authorized band for BAND II	Pass
	3.85	0.09	0.000048		
	4.40	0.72	0.000383		
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		
3.85	-30	2.85	0.001645	Within authorized band for BAND IV	Pass
	-20	0.64	0.000369		
	-10	0.99	0.000571		
	0	0.14	0.000081		
	10	10.42	0.006014		
	20	8.60	0.004964		
	30	6.48	0.003740		
	40	7.08	0.004086		
	50	5.58	0.003221		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	0.16	0.000092	Within authorized band for BAND IV	Pass
	3.85	7.40	0.004271		
	4.40	3.38	0.001951		
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	-0.74	-0.000885	±2.5	Pass
	-20	-0.62	-0.000741		
	-10	-0.40	-0.000478		
	0	1.02	0.001219		
	10	0.22	0.000263		
	20	1.32	0.001578		
	30	0.44	0.000526		
	40	0.12	0.000143		
	50	1.03	0.001231		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	1.71	0.002044	±2.5	Pass
	3.85	3.27	0.003909		
	4.40	0.01	0.000012		
<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

