

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	22.67	18.87	33.01	PASS
Band2	TestMode	9262	22.71	18.91	33.01	PASS
Band2	TestMode	9400	22.91	19.11	33.01	PASS
Band2	Voice	9400	22.80	19	33.01	PASS
Band2	TestMode	9538	23.03	19.23	33.01	PASS
Band2	Voice	9538	23.02	19.22	33.01	PASS
Band4	Voice	1312	22.01	17.77	30.00	PASS
Band4	TestMode	1312	22.07	17.83	30.00	PASS
Band4	Voice	1413	21.96	17.72	30.00	PASS
Band4	TestMode	1413	22.00	17.76	30.00	PASS
Band4	TestMode	1513	21.89	17.65	30.00	PASS
Band4	Voice	1513	21.86	17.62	30.00	PASS
Band5	Voice	4132	23.14	15	38.45	PASS
Band5	TestMode	4132	23.17	15.03	38.45	PASS
Band5	TestMode	4183	23.38	15.24	38.45	PASS
Band5	Voice	4183	23.39	15.25	38.45	PASS
Band5	Voice	4233	23.21	15.07	38.45	PASS
Band5	TestMode	4233	23.20	15.06	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.73	17.93	33.01	PASS
Band2	9262	2	21.16	17.36	33.01	PASS
Band2	9262	3	21.19	17.39	33.01	PASS
Band2	9262	4	21.23	17.43	33.01	PASS
Band2	9400	1	21.93	18.13	33.01	PASS
Band2	9400	2	21.39	17.59	33.01	PASS
Band2	9400	3	21.36	17.56	33.01	PASS
Band2	9400	4	21.37	17.57	33.01	PASS
Band2	9538	1	22.07	18.27	33.01	PASS
Band2	9538	2	21.53	17.73	33.01	PASS
Band2	9538	3	21.53	17.73	33.01	PASS
Band2	9538	4	21.50	17.7	33.01	PASS

Band4	1312	1	21.07	16.83	30.00	PASS
Band4	1312	2	20.56	16.32	30.00	PASS
Band4	1312	3	20.56	16.32	30.00	PASS
Band4	1312	4	20.58	16.34	30.00	PASS
Band4	1413	1	21.03	16.79	30.00	PASS
Band4	1413	2	20.53	16.29	30.00	PASS
Band4	1413	3	20.51	16.27	30.00	PASS
Band4	1413	4	20.51	16.27	30.00	PASS
Band4	1513	1	20.92	16.68	30.00	PASS
Band4	1513	2	20.38	16.14	30.00	PASS
Band4	1513	3	20.42	16.18	30.00	PASS
Band4	1513	4	20.40	16.16	30.00	PASS
Band5	4132	1	22.21	14.07	38.5	PASS
Band5	4132	2	21.65	13.51	38.5	PASS
Band5	4132	3	21.66	13.52	38.5	PASS
Band5	4132	4	21.67	13.53	38.5	PASS
Band5	4183	1	22.43	14.29	38.5	PASS
Band5	4183	2	21.89	13.75	38.5	PASS
Band5	4183	3	21.91	13.77	38.5	PASS
Band5	4183	4	21.89	13.75	38.5	PASS
Band5	4233	1	22.26	14.12	38.5	PASS
Band5	4233	2	21.70	13.56	38.5	PASS
Band5	4233	3	21.72	13.58	38.5	PASS
Band5	4233	4	21.68	13.54	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	19.75	15.95	33.01	PASS
Band2	9262	2	20.22	16.42	33.01	PASS
Band2	9262	3	20.69	16.89	33.01	PASS
Band2	9262	4	19.73	15.93	33.01	PASS
Band2	9262	5	21.71	17.91	33.01	PASS
Band2	9400	1	19.90	16.1	33.01	PASS
Band2	9400	2	20.40	16.6	33.01	PASS
Band2	9400	3	20.88	17.08	33.01	PASS
Band2	9400	4	19.90	16.1	33.01	PASS
Band2	9400	5	21.88	18.08	33.01	PASS
Band2	9538	1	20.03	16.23	33.01	PASS
Band2	9538	2	20.54	16.74	33.01	PASS
Band2	9538	3	21.05	17.25	33.01	PASS

Band2	9538	4	20.06	16.26	33.01	PASS
Band2	9538	5	22.04	18.24	33.01	PASS
Band4	1312	1	19.06	14.82	30.00	PASS
Band4	1312	2	19.57	15.33	30.00	PASS
Band4	1312	3	20.07	15.83	30.00	PASS
Band4	1312	4	19.07	14.83	30.00	PASS
Band4	1312	5	21.02	16.78	30.00	PASS
Band4	1413	1	19.00	14.76	30.00	PASS
Band4	1413	2	19.52	15.28	30.00	PASS
Band4	1413	3	20.04	15.8	30.00	PASS
Band4	1413	4	19.04	14.8	30.00	PASS
Band4	1413	5	21.01	16.77	30.00	PASS
Band4	1513	1	18.89	14.65	30.00	PASS
Band4	1513	2	19.41	15.17	30.00	PASS
Band4	1513	3	19.89	15.65	30.00	PASS
Band4	1513	4	18.95	14.71	30.00	PASS
Band4	1513	5	20.87	16.63	30.00	PASS
Band5	4132	1	20.21	12.07	38.5	PASS
Band5	4132	2	20.73	12.59	38.5	PASS
Band5	4132	3	21.18	13.04	38.5	PASS
Band5	4132	4	20.22	12.08	38.5	PASS
Band5	4132	5	22.19	14.05	38.5	PASS
Band5	4183	1	20.43	12.29	38.5	PASS
Band5	4183	2	20.88	12.74	38.5	PASS
Band5	4183	3	21.40	13.26	38.5	PASS
Band5	4183	4	20.46	12.32	38.5	PASS
Band5	4183	5	22.43	14.29	38.5	PASS
Band5	4233	1	20.27	12.13	38.5	PASS
Band5	4233	2	20.69	12.55	38.5	PASS
Band5	4233	3	21.21	13.07	38.5	PASS
Band5	4233	4	20.25	12.11	38.5	PASS
Band5	4233	5	22.25	14.11	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)

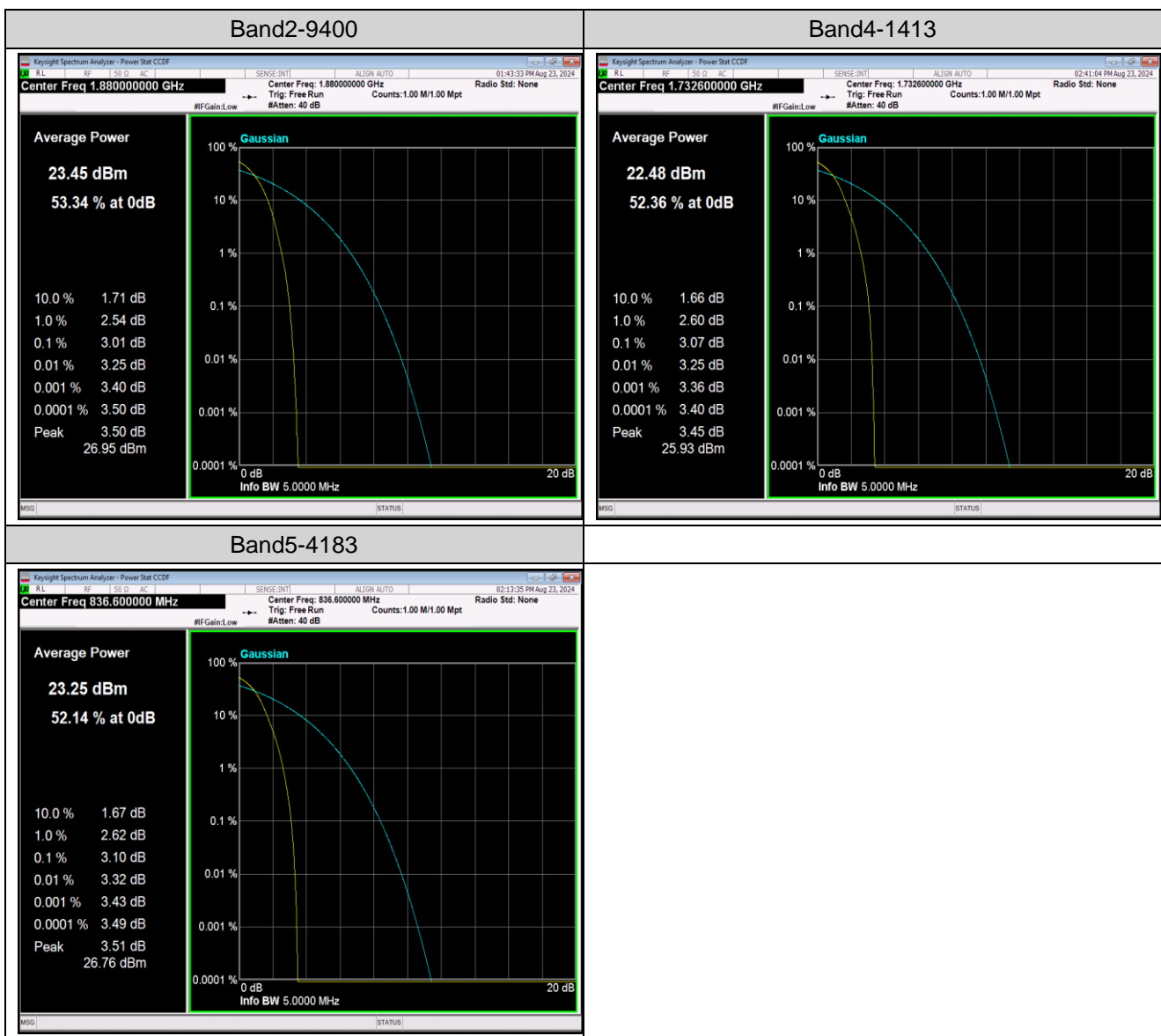
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.01	13	PASS
Band4	1413	3.07	13	PASS
Band5	4183	3.1	13	PASS

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

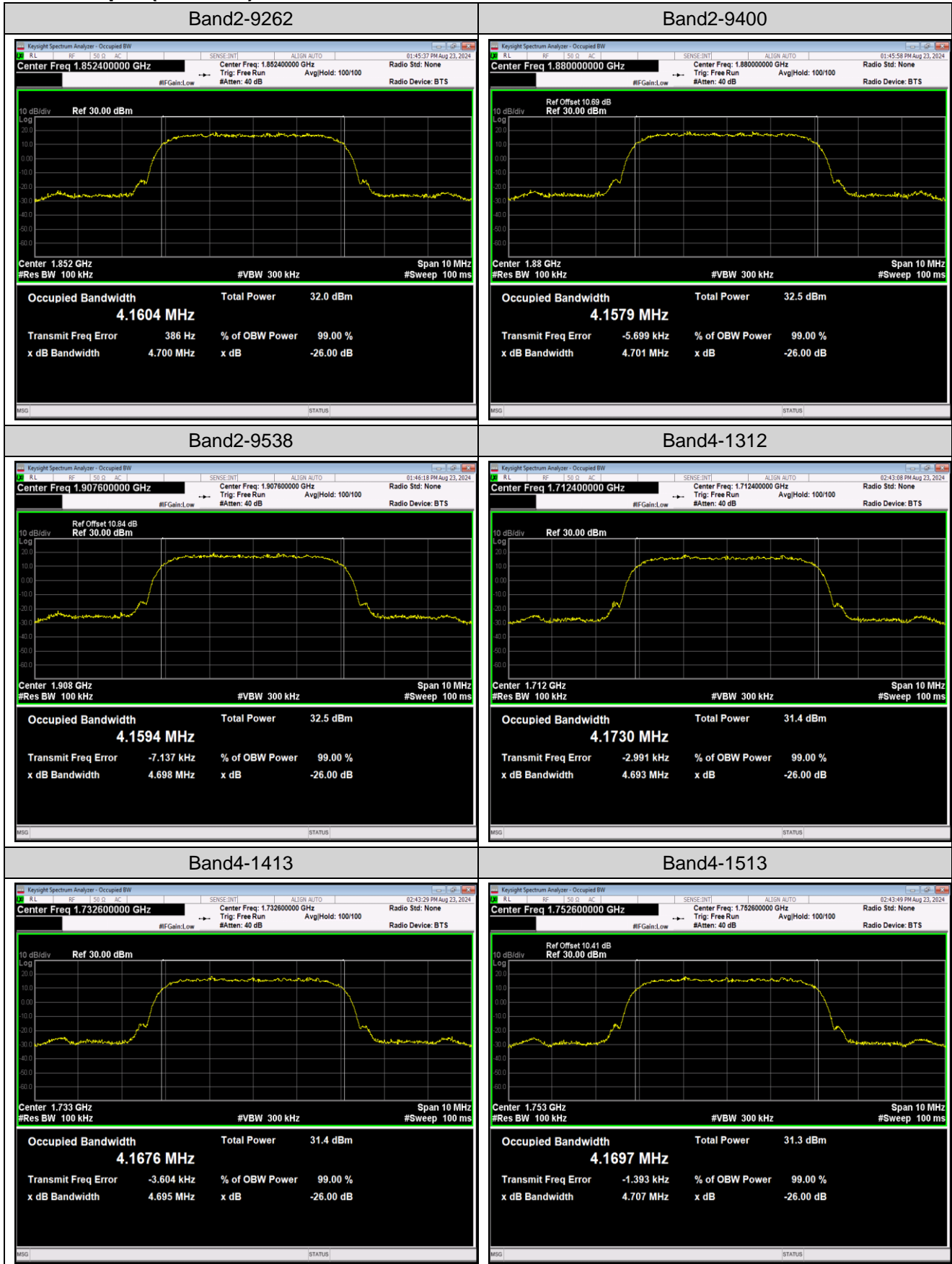
Test Graphs(WCDMA)



AppendixC:26dB Bandwidth andOccupied Bandwidth**Test Result(WCDMA)**

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1604	4.700	---	PASS
Band2	9400	4.1579	4.701	---	PASS
Band2	9538	4.1594	4.698	---	PASS
Band4	1312	4.1730	4.693	---	PASS
Band4	1413	4.1676	4.695	---	PASS
Band4	1513	4.1697	4.707	---	PASS
Band5	4132	4.1597	4.688	---	PASS
Band5	4183	4.1734	4.704	---	PASS
Band5	4233	4.1662	4.691	---	PASS

Test Graphs(WCDMA)

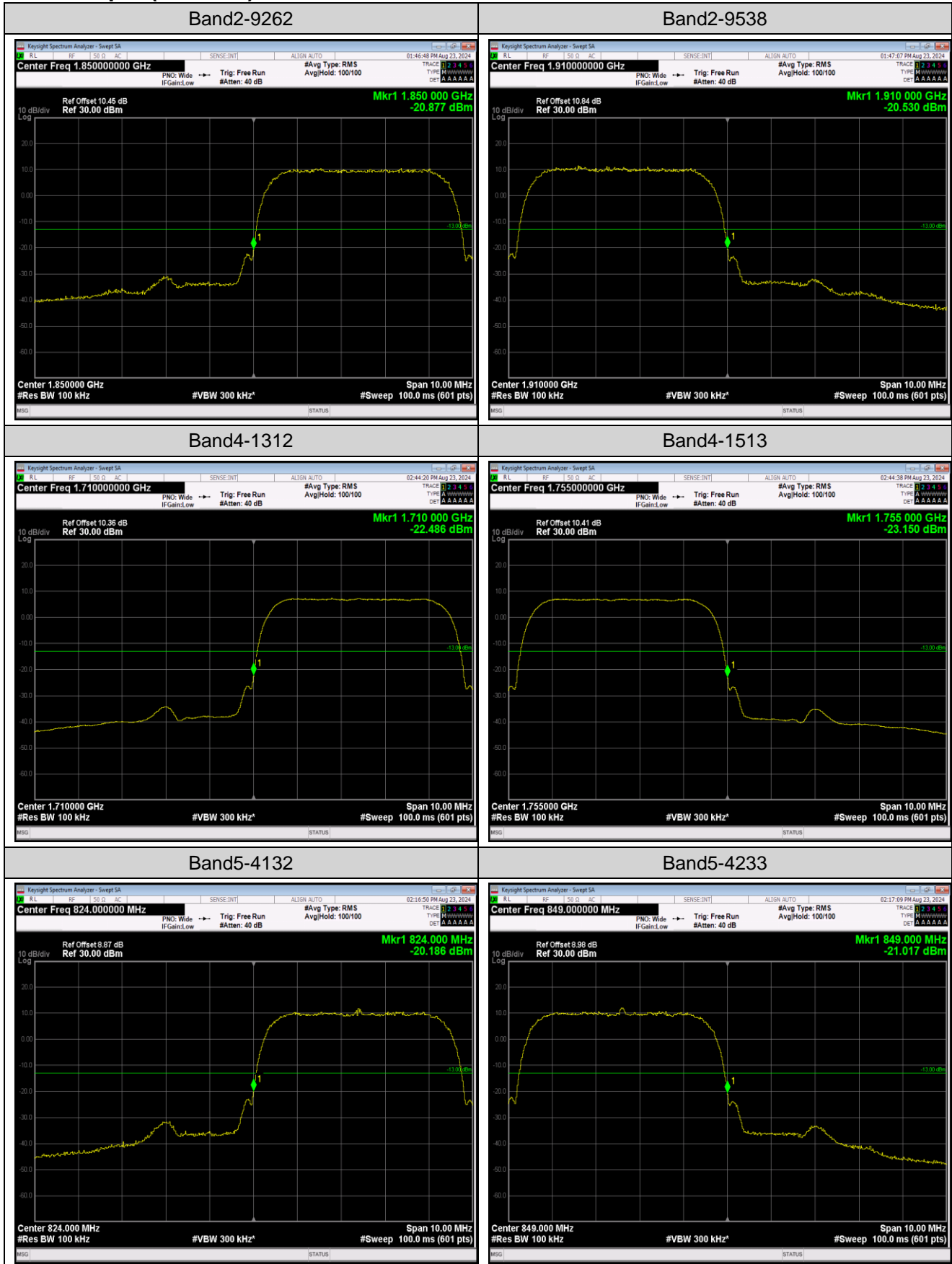




AppendixD:Band Edge**Test Result(WCDMA)**

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-20.88	-13	PASS
Band2	9538	1910.00	-20.53	-13	PASS
Band4	1312	1710.00	-22.49	-13	PASS
Band4	1513	1755.00	-23.15	-13	PASS
Band5	4132	824.00	-20.19	-13	PASS
Band5	4233	849.00	-21.02	-13	PASS

Test Graphs(WCDMA)

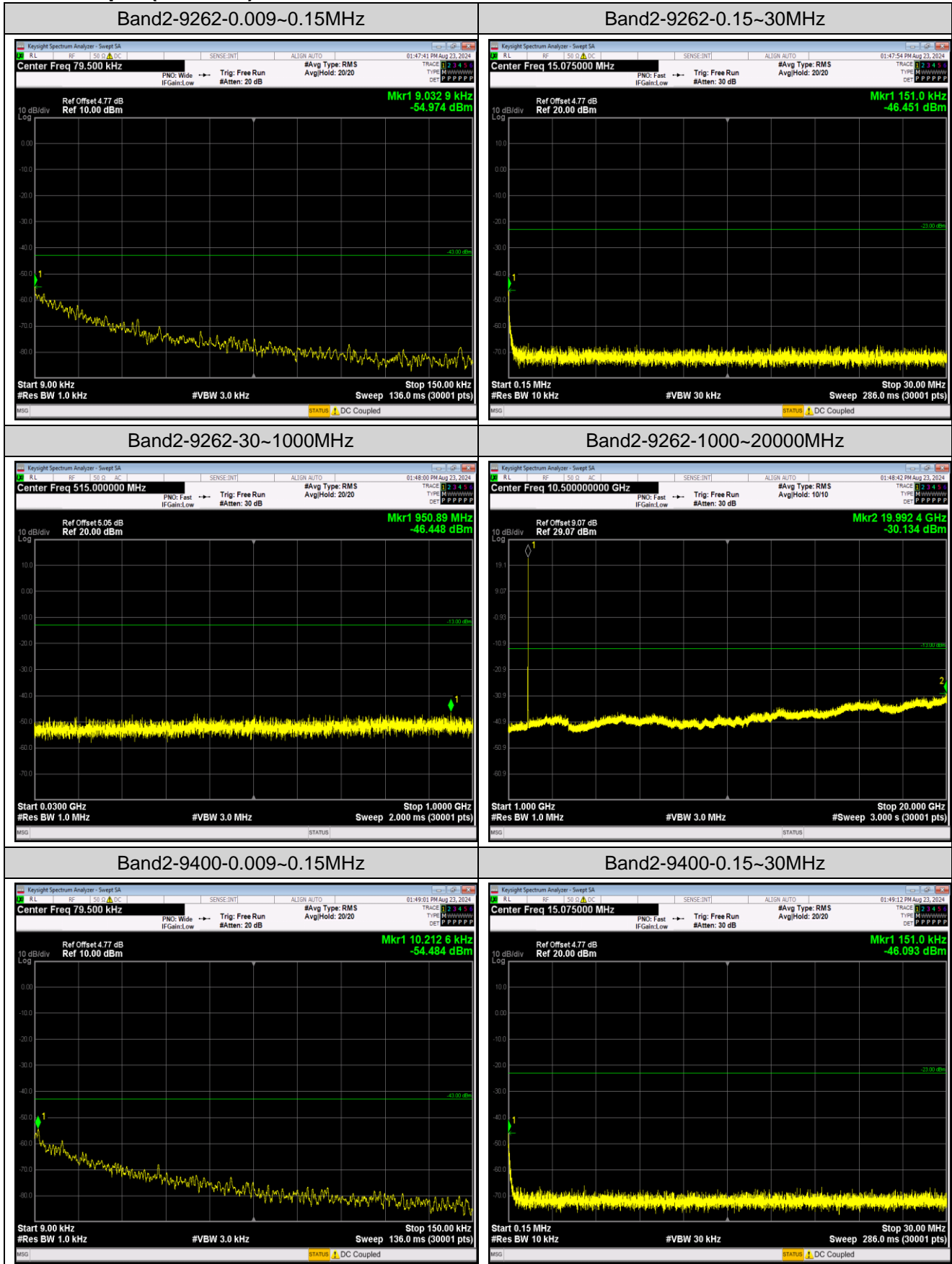


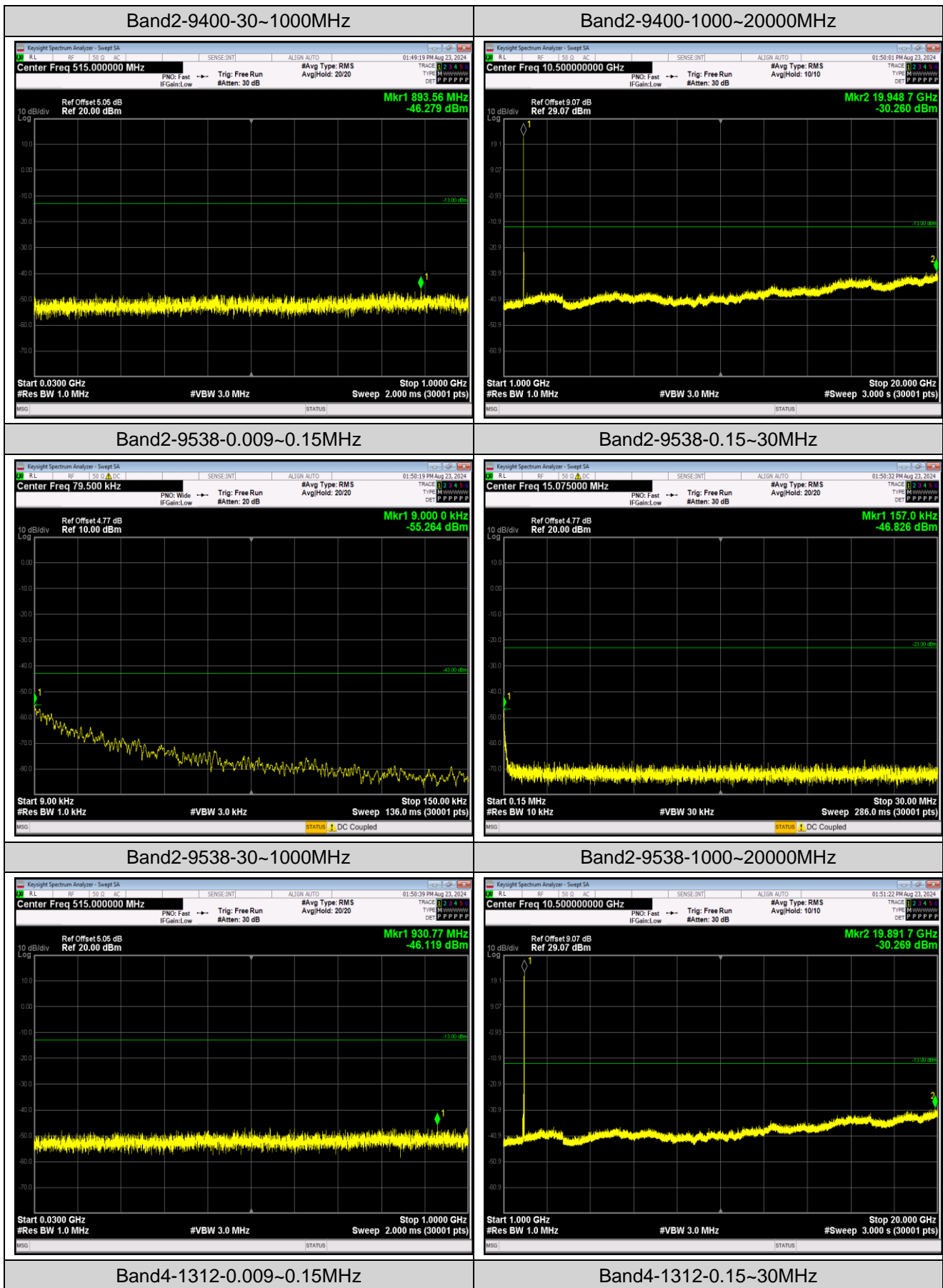
AppendixE:Conducted SpuriousEmission

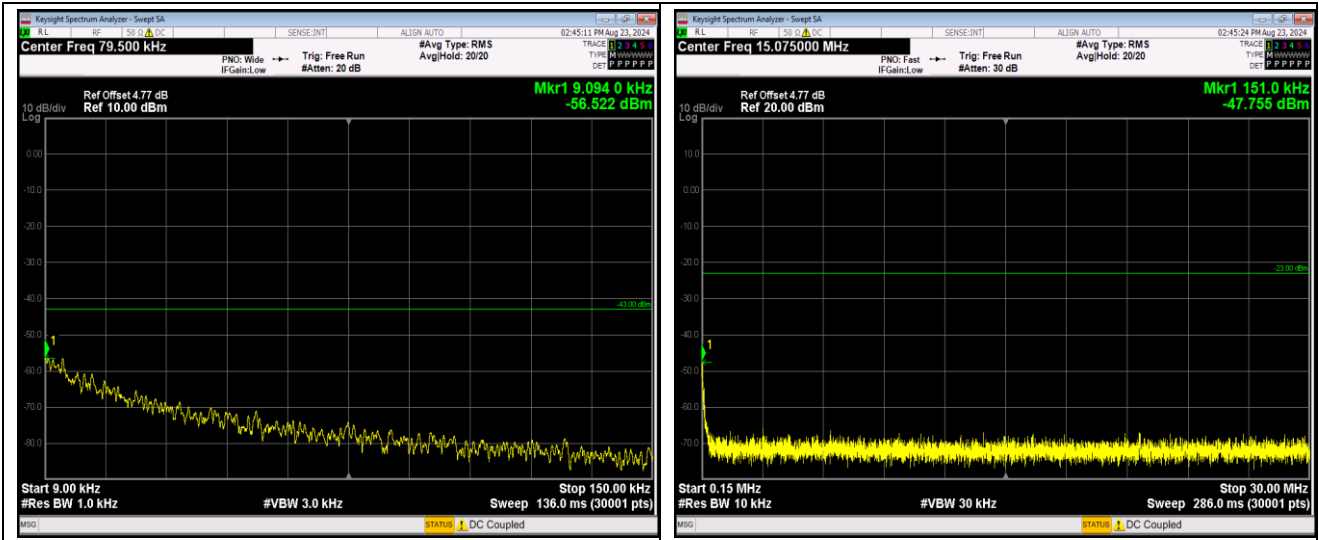
Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-54.97	-43	PASS
Band2	9262	0.15~30MHz	0.15	-46.45	-23	PASS
Band2	9262	30~1000MHz	950.89	-46.45	-13	PASS
Band2	9262	1000~20000MHz	19992.4	-30.13	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-54.48	-43	PASS
Band2	9400	0.15~30MHz	0.15	-46.09	-23	PASS
Band2	9400	30~1000MHz	893.56	-46.28	-13	PASS
Band2	9400	1000~20000MHz	19948.7	-30.26	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-55.26	-43	PASS
Band2	9538	0.15~30MHz	0.16	-46.83	-23	PASS
Band2	9538	30~1000MHz	930.77	-46.12	-13	PASS
Band2	9538	1000~20000MHz	19891.7	-30.27	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-56.52	-43	PASS
Band4	1312	0.15~30MHz	0.15	-47.76	-23	PASS
Band4	1312	30~1000MHz	831.51	-45.06	-13	PASS
Band4	1312	1000~20000MHz	19963.27	-30.21	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-55.56	-43	PASS
Band4	1413	0.15~30MHz	0.16	-48.46	-23	PASS
Band4	1413	30~1000MHz	915.25	-44.8	-13	PASS
Band4	1413	1000~20000MHz	19991.77	-30.63	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-55.01	-43	PASS
Band4	1513	0.15~30MHz	0.15	-47.56	-23	PASS
Band4	1513	30~1000MHz	833.94	-44.94	-13	PASS
Band4	1513	1000~20000MHz	19964.53	-31.01	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-57.23	-33	PASS
Band5	4132	0.15~30MHz	0.15	-44.5	-13	PASS
Band5	4132	30~1000MHz	535.47	-53.43	-13	PASS
Band5	4132	1000~10000MHz	7331.8	-36.63	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.27	-33	PASS
Band5	4183	0.15~30MHz	0.16	-49.59	-13	PASS
Band5	4183	30~1000MHz	994.41	-54.97	-13	PASS
Band5	4183	1000~10000MHz	3191.2	-36.2	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-56.09	-33	PASS
Band5	4233	0.15~30MHz	0.15	-44.67	-13	PASS
Band5	4233	30~1000MHz	408.46	-55.09	-13	PASS
Band5	4233	1000~10000MHz	7137.1	-37.27	-13	PASS

Test Graphs(WCDMA)

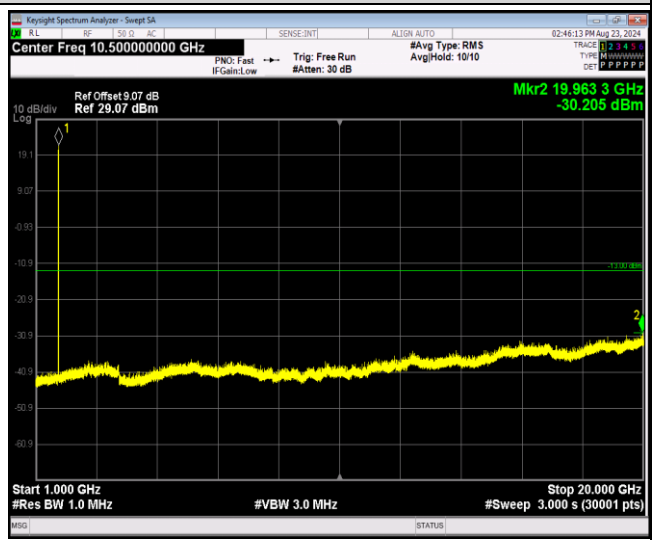
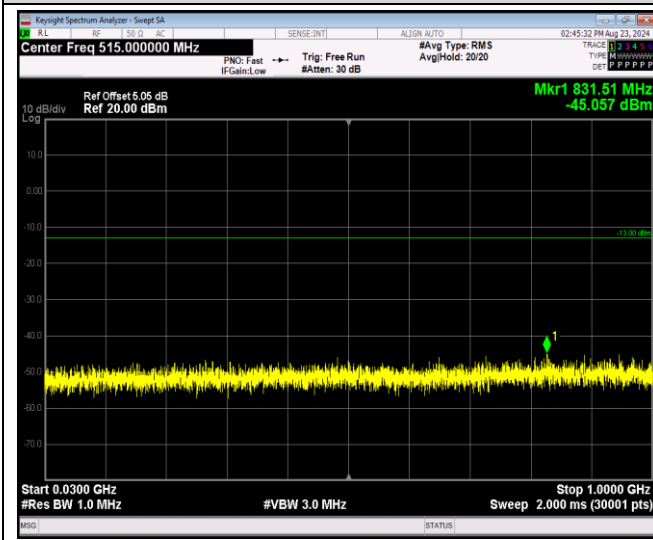






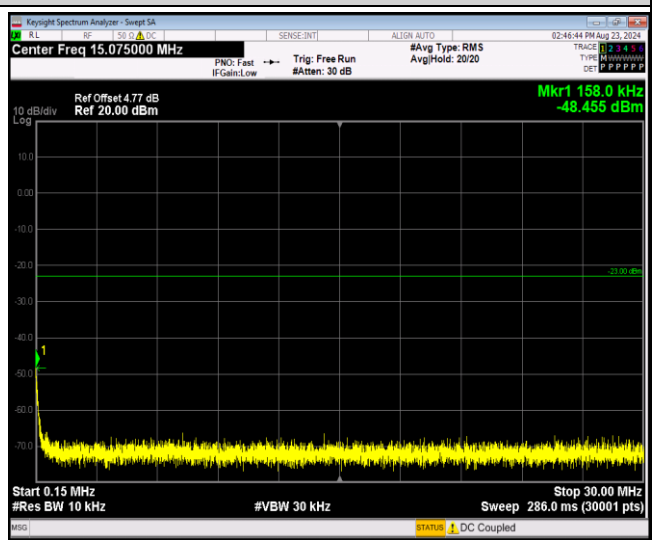
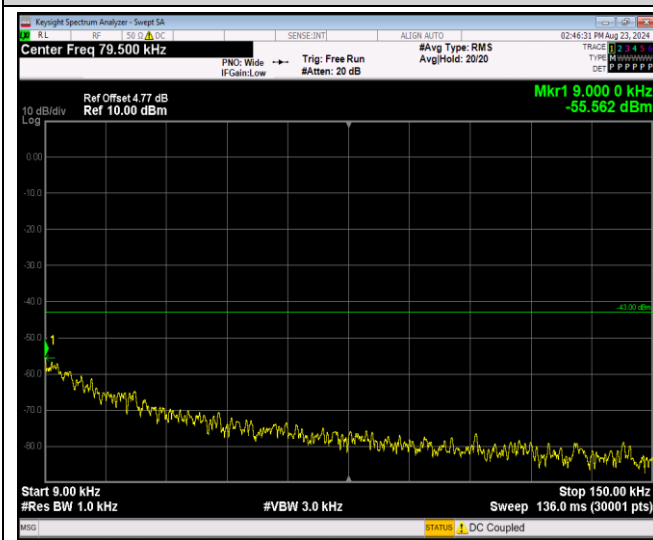
Band4-1312-30~1000MHz

Band4-1312-1000~20000MHz



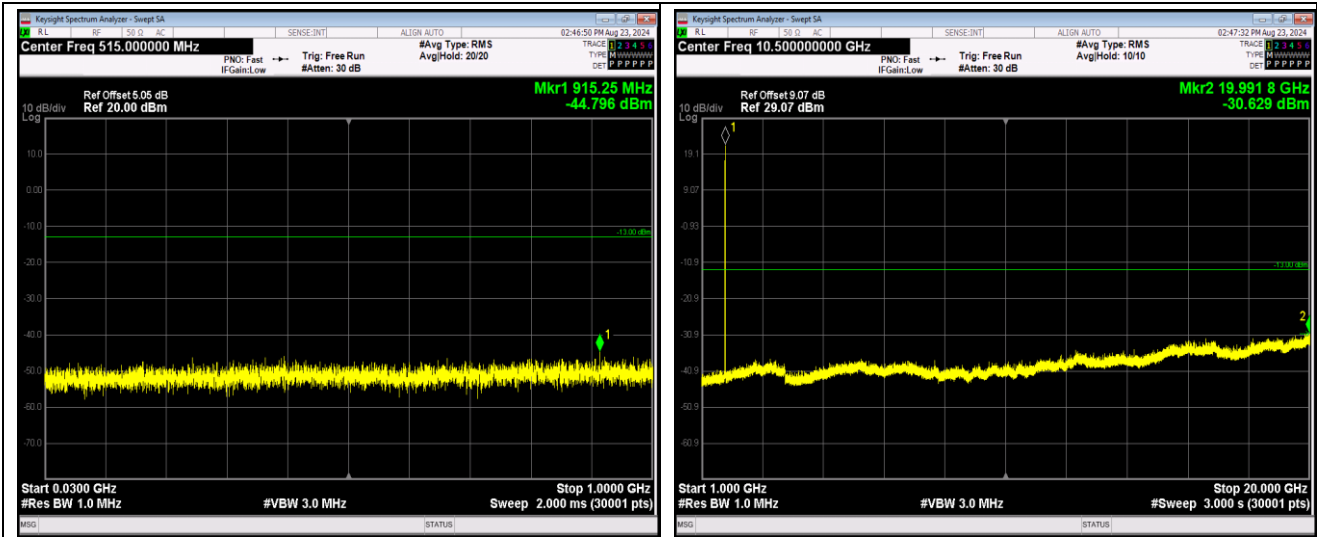
Band4-1413-0.009~0.15MHz

Band4-1413-0.15~30MHz



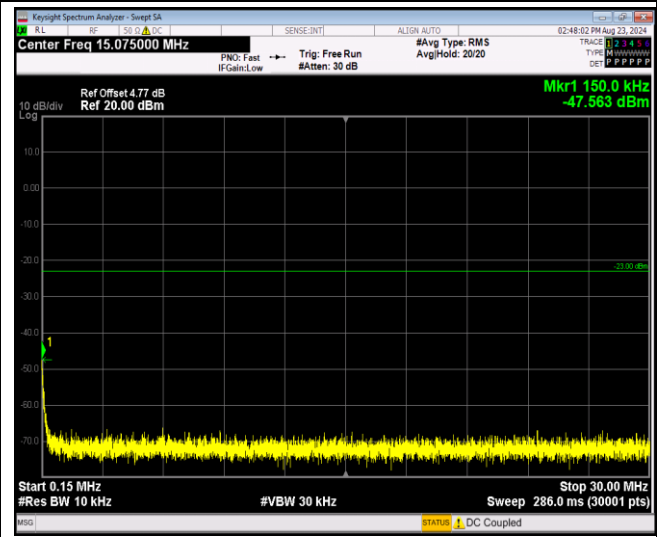
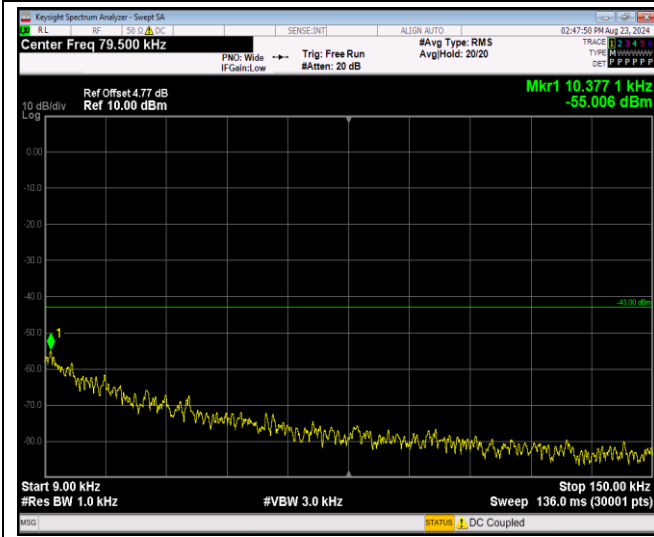
Band4-1413-30~1000MHz

Band4-1413-1000~20000MHz



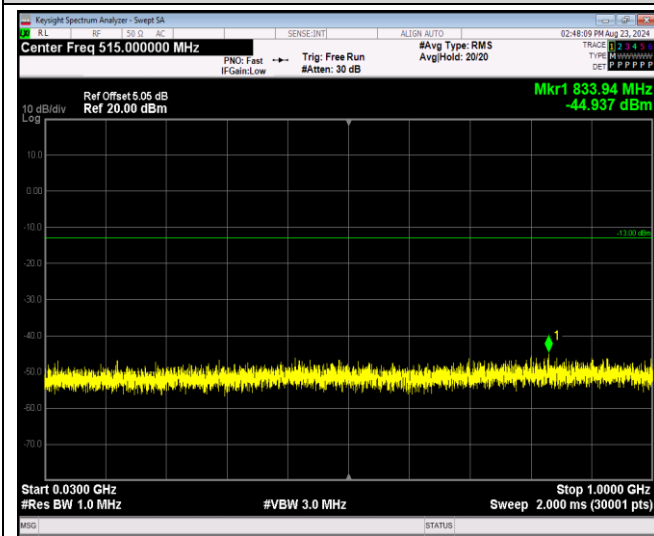
Band4-1513-0.009~0.15MHz

Band4-1513-0.15~30MHz



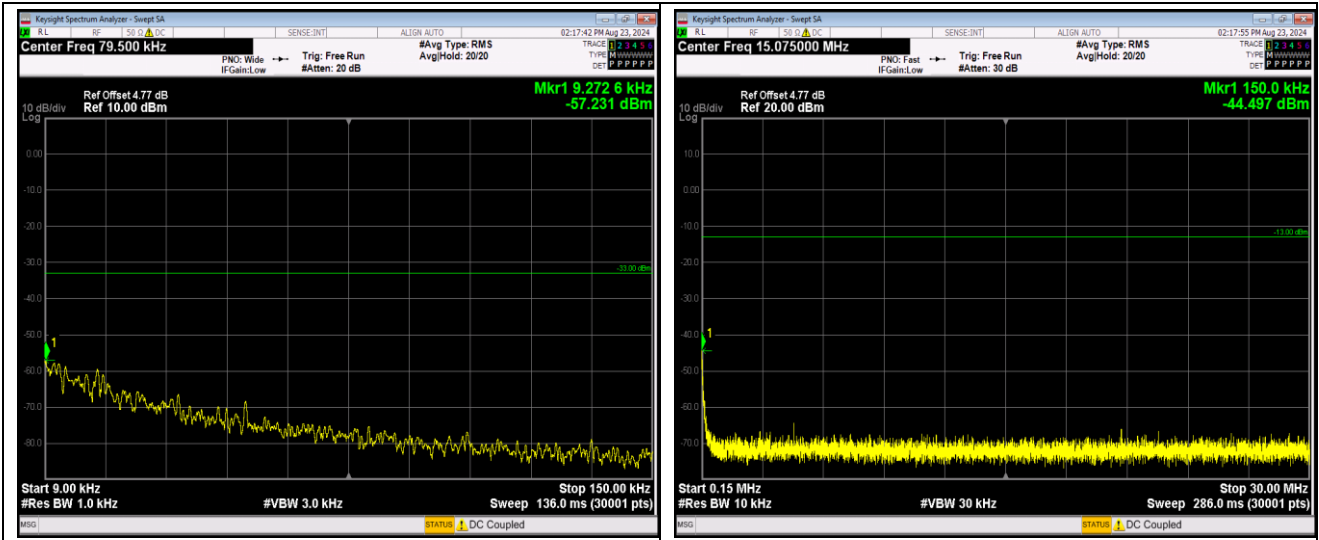
Band4-1513-30~1000MHz

Band4-1513-1000~20000MHz



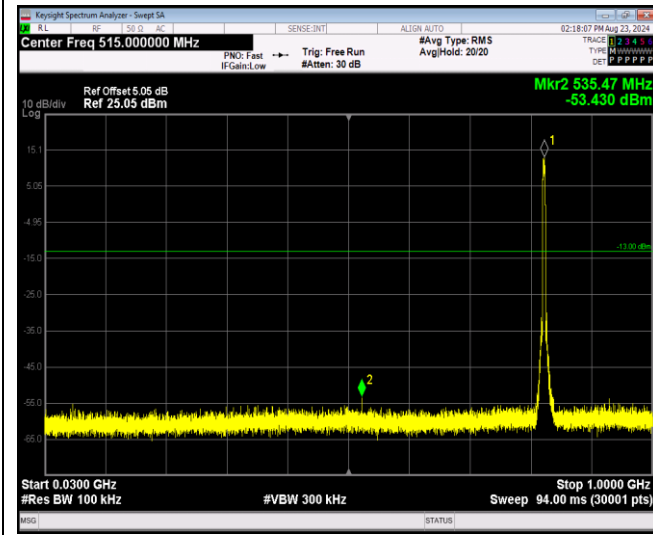
Band5-4132-0.009~0.15MHz

Band5-4132-0.15~30MHz

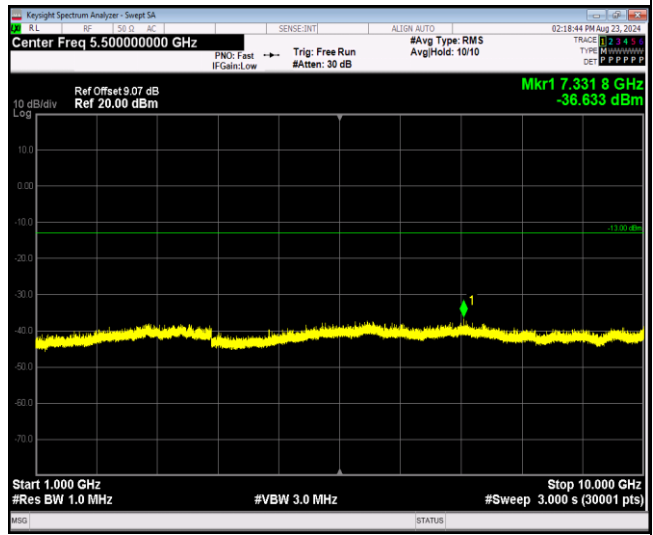


Band5-4132-30~1000MHz

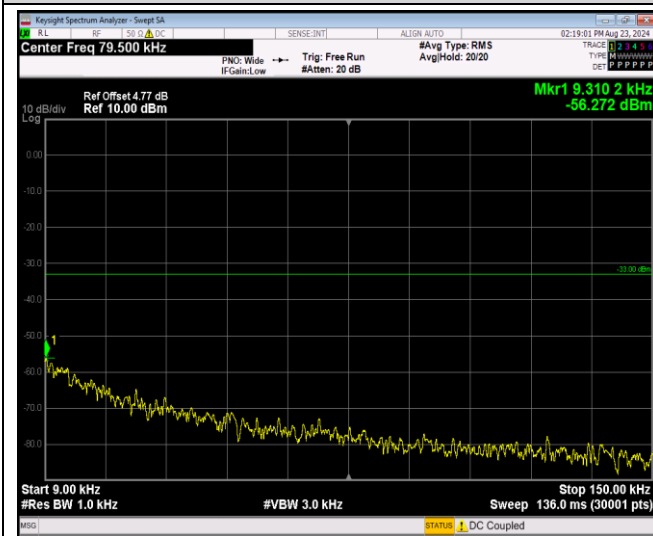
Band5-4132-1000~10000MHz



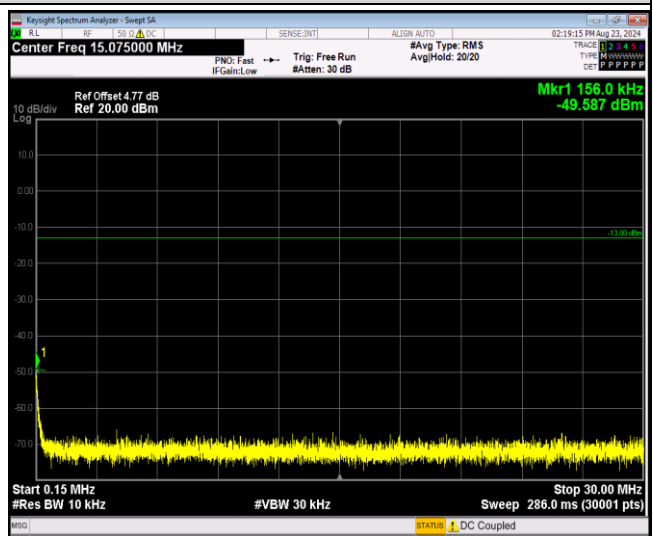
Band5-4183-0.009~0.15MHz



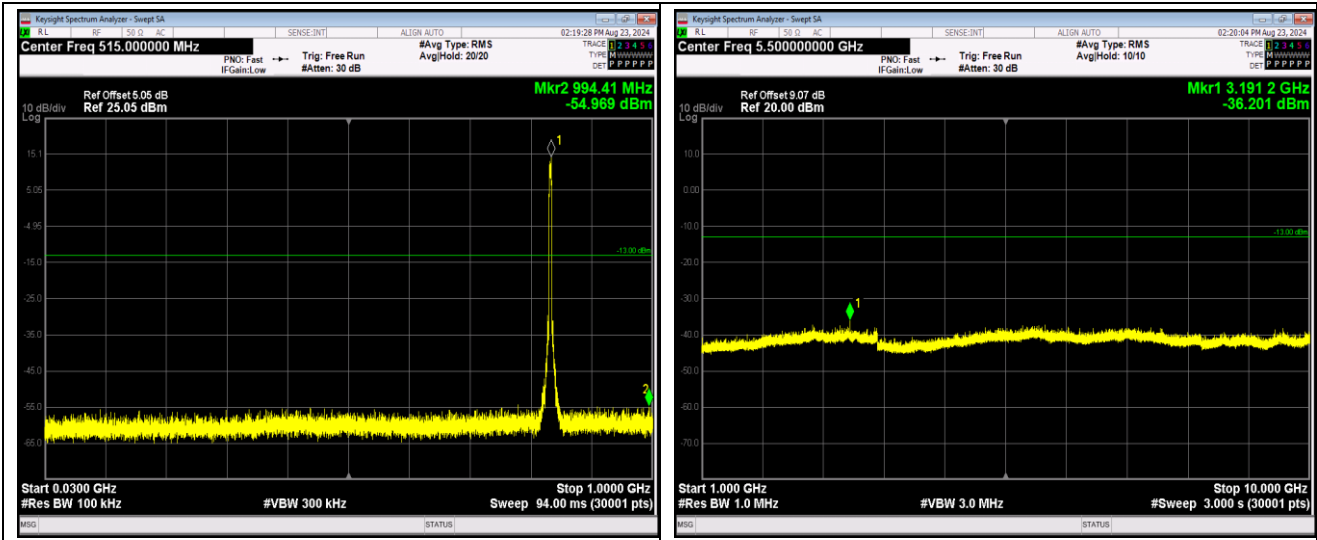
Band5-4183-0.15~30MHz



Band5-4183-30~1000MHz

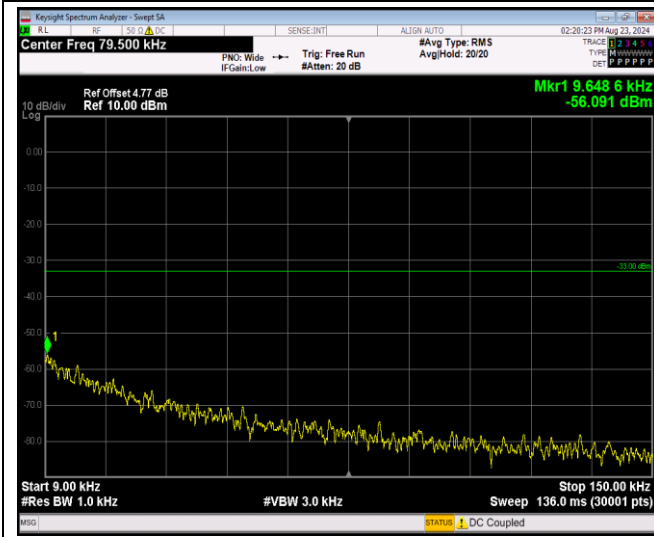


Band5-4183-1000~10000MHz

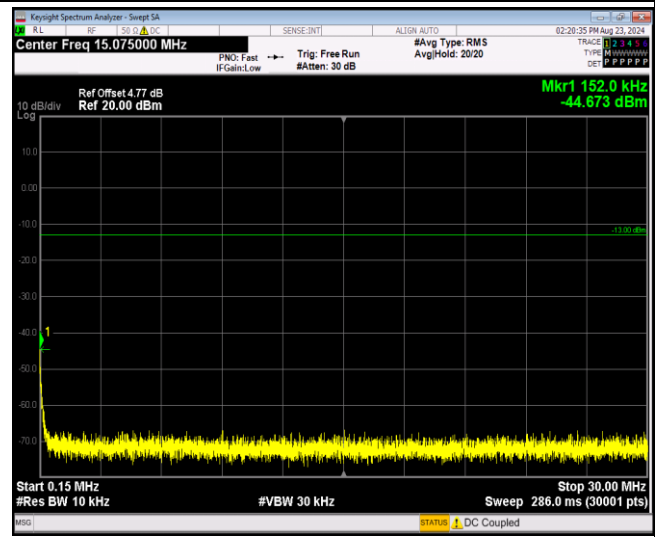


Band5-4233-0.009~0.15MHz

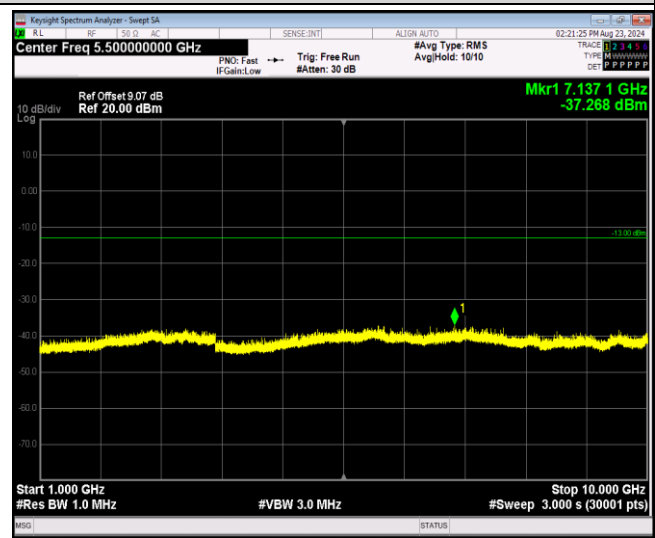
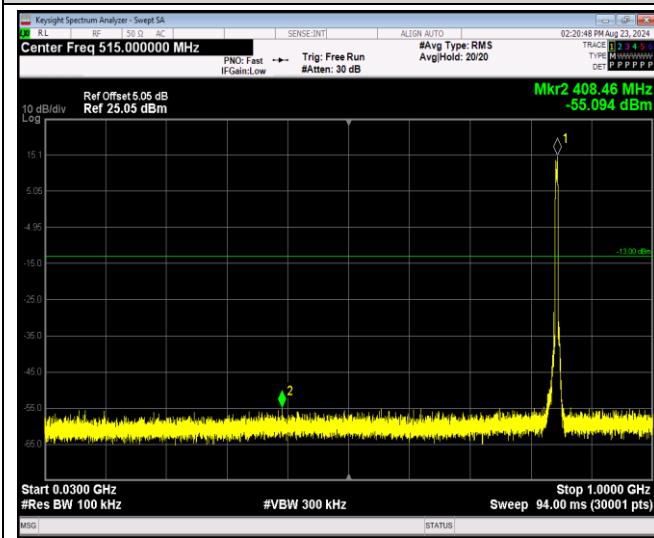
Band5-4233-0.15~30MHz



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		
3.85	-30	-7.52	-0.008989	±2.5	Pass
	-20	-8.16	-0.009754		
	-10	-5.41	-0.006467		
	0	-12.74	-0.015228		
	10	-13.50	-0.016137		
	20	-11.56	-0.013818		
	30	-10.08	-0.012049		
	40	-9.83	-0.011750		
	50	-8.68	-0.010375		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	-10.82	-0.012933	±2.5	Pass
	3.85	-10.44	-0.012479		
	4.40	-9.03	-0.010794		
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	-8.73	-0.005039	Within authorized band for BAND IV	Pass
	-20	-9.55	-0.005512		
	-10	-9.63	-0.005558		
	0	-9.11	-0.005258		
	10	-8.42	-0.004860		
	20	-8.82	-0.005091		
	30	-8.08	-0.004664		
	40	-6.70	-0.003867		
	50	-11.43	-0.006597		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	-10.81	-0.006239	Within authorized band for BAND IV	Pass
	3.85	-11.46	-0.006614		
	4.40	-12.82	-0.007399		
<i>Remark: All channel had been tested, but only the worst case data displayed in this report.</i>					

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	-11.52	-0.006128	Within authorized band for BAND II	Pass
	-20	-13.37	-0.007112		
	-10	-11.34	-0.006032		
	0	-7.70	-0.004096		
	10	-9.23	-0.004910		
	20	-11.80	-0.006277		
	30	-12.98	-0.006904		
	40	-12.66	-0.006734		
	50	-11.82	-0.006287		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	-14.05	-0.007473	Within authorized band for BAND II	Pass
	3.85	-10.39	-0.005527		
	4.40	-10.53	-0.005601		
<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

