

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	20.45	18.35	33.01	PASS
Band2	TestMode	9262	20.41	18.31	33.01	PASS
Band2	TestMode	9400	20.33	18.23	33.01	PASS
Band2	Voice	9400	20.37	18.27	33.01	PASS
Band2	TestMode	9538	20.31	18.21	33.01	PASS
Band2	Voice	9538	20.19	18.09	33.01	PASS
Band4	Voice	1312	20.87	20.2	30.00	PASS
Band4	TestMode	1312	20.88	20.21	30.00	PASS
Band4	Voice	1413	20.74	20.07	30.00	PASS
Band4	TestMode	1413	20.77	20.1	30.00	PASS
Band4	TestMode	1513	20.65	19.98	30.00	PASS
Band4	Voice	1513	20.60	19.93	30.00	PASS
Band5	Voice	4132	22.22	14.1	38.45	PASS
Band5	TestMode	4132	22.22	14.1	38.45	PASS
Band5	TestMode	4183	22.28	14.16	38.45	PASS
Band5	Voice	4183	22.30	14.18	38.45	PASS
Band5	Voice	4233	22.26	14.14	38.45	PASS
Band5	TestMode	4233	22.23	14.11	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	19.44	17.34	33.01	PASS
Band2	9262	2	18.91	16.81	33.01	PASS
Band2	9262	3	18.98	16.88	33.01	PASS
Band2	9262	4	18.93	16.83	33.01	PASS
Band2	9400	1	19.37	17.27	33.01	PASS
Band2	9400	2	18.85	16.75	33.01	PASS
Band2	9400	3	18.89	16.79	33.01	PASS
Band2	9400	4	18.84	16.74	33.01	PASS
Band2	9538	1	19.20	17.1	33.01	PASS
Band2	9538	2	18.66	16.56	33.01	PASS
Band2	9538	3	18.70	16.6	33.01	PASS
Band2	9538	4	18.73	16.63	33.01	PASS

Band4	1312	1	19.85	19.18	30.00	PASS
Band4	1312	2	19.36	18.69	30.00	PASS
Band4	1312	3	19.43	18.76	30.00	PASS
Band4	1312	4	19.42	18.75	30.00	PASS
Band4	1413	1	19.75	19.08	30.00	PASS
Band4	1413	2	19.24	18.57	30.00	PASS
Band4	1413	3	19.30	18.63	30.00	PASS
Band4	1413	4	19.28	18.61	30.00	PASS
Band4	1513	1	19.60	18.93	30.00	PASS
Band4	1513	2	19.14	18.47	30.00	PASS
Band4	1513	3	19.18	18.51	30.00	PASS
Band4	1513	4	19.15	18.48	30.00	PASS
Band5	4132	1	21.26	13.14	38.5	PASS
Band5	4132	2	20.77	12.65	38.5	PASS
Band5	4132	3	20.79	12.67	38.5	PASS
Band5	4132	4	20.77	12.65	38.5	PASS
Band5	4183	1	21.31	13.19	38.5	PASS
Band5	4183	2	20.83	12.71	38.5	PASS
Band5	4183	3	20.88	12.76	38.5	PASS
Band5	4183	4	20.83	12.71	38.5	PASS
Band5	4233	1	21.31	13.19	38.5	PASS
Band5	4233	2	20.83	12.71	38.5	PASS
Band5	4233	3	20.88	12.76	38.5	PASS
Band5	4233	4	20.81	12.69	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	18.44	16.34	33.01	PASS
Band2	9262	2	18.93	16.83	33.01	PASS
Band2	9262	3	19.44	17.34	33.01	PASS
Band2	9262	4	18.20	16.1	33.01	PASS
Band2	9262	5	20.46	18.36	33.01	PASS
Band2	9400	1	18.37	16.27	33.01	PASS
Band2	9400	2	18.89	16.79	33.01	PASS
Band2	9400	3	19.37	17.27	33.01	PASS
Band2	9400	4	18.11	16.01	33.01	PASS
Band2	9400	5	20.35	18.25	33.01	PASS
Band2	9538	1	18.17	16.07	33.01	PASS
Band2	9538	2	18.68	16.58	33.01	PASS
Band2	9538	3	19.18	17.08	33.01	PASS

Band2	9538	4	17.91	15.81	33.01	PASS
Band2	9538	5	20.17	18.07	33.01	PASS
Band4	1312	1	18.91	18.24	30.00	PASS
Band4	1312	2	19.39	18.72	30.00	PASS
Band4	1312	3	19.90	19.23	30.00	PASS
Band4	1312	4	18.61	17.94	30.00	PASS
Band4	1312	5	20.92	20.25	30.00	PASS
Band4	1413	1	18.78	18.11	30.00	PASS
Band4	1413	2	19.30	18.63	30.00	PASS
Band4	1413	3	19.79	19.12	30.00	PASS
Band4	1413	4	18.48	17.81	30.00	PASS
Band4	1413	5	20.80	20.13	30.00	PASS
Band4	1513	1	18.66	17.99	30.00	PASS
Band4	1513	2	19.15	18.48	30.00	PASS
Band4	1513	3	19.64	18.97	30.00	PASS
Band4	1513	4	18.38	17.71	30.00	PASS
Band4	1513	5	20.66	19.99	30.00	PASS
Band5	4132	1	20.31	12.19	38.5	PASS
Band5	4132	2	20.81	12.69	38.5	PASS
Band5	4132	3	21.30	13.18	38.5	PASS
Band5	4132	4	20.03	11.91	38.5	PASS
Band5	4132	5	22.33	14.21	38.5	PASS
Band5	4183	1	20.36	12.24	38.5	PASS
Band5	4183	2	20.90	12.78	38.5	PASS
Band5	4183	3	21.38	13.26	38.5	PASS
Band5	4183	4	20.11	11.99	38.5	PASS
Band5	4183	5	22.39	14.27	38.5	PASS
Band5	4233	1	20.37	12.25	38.5	PASS
Band5	4233	2	20.83	12.71	38.5	PASS
Band5	4233	3	21.33	13.21	38.5	PASS
Band5	4233	4	20.09	11.97	38.5	PASS
Band5	4233	5	22.37	14.25	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)

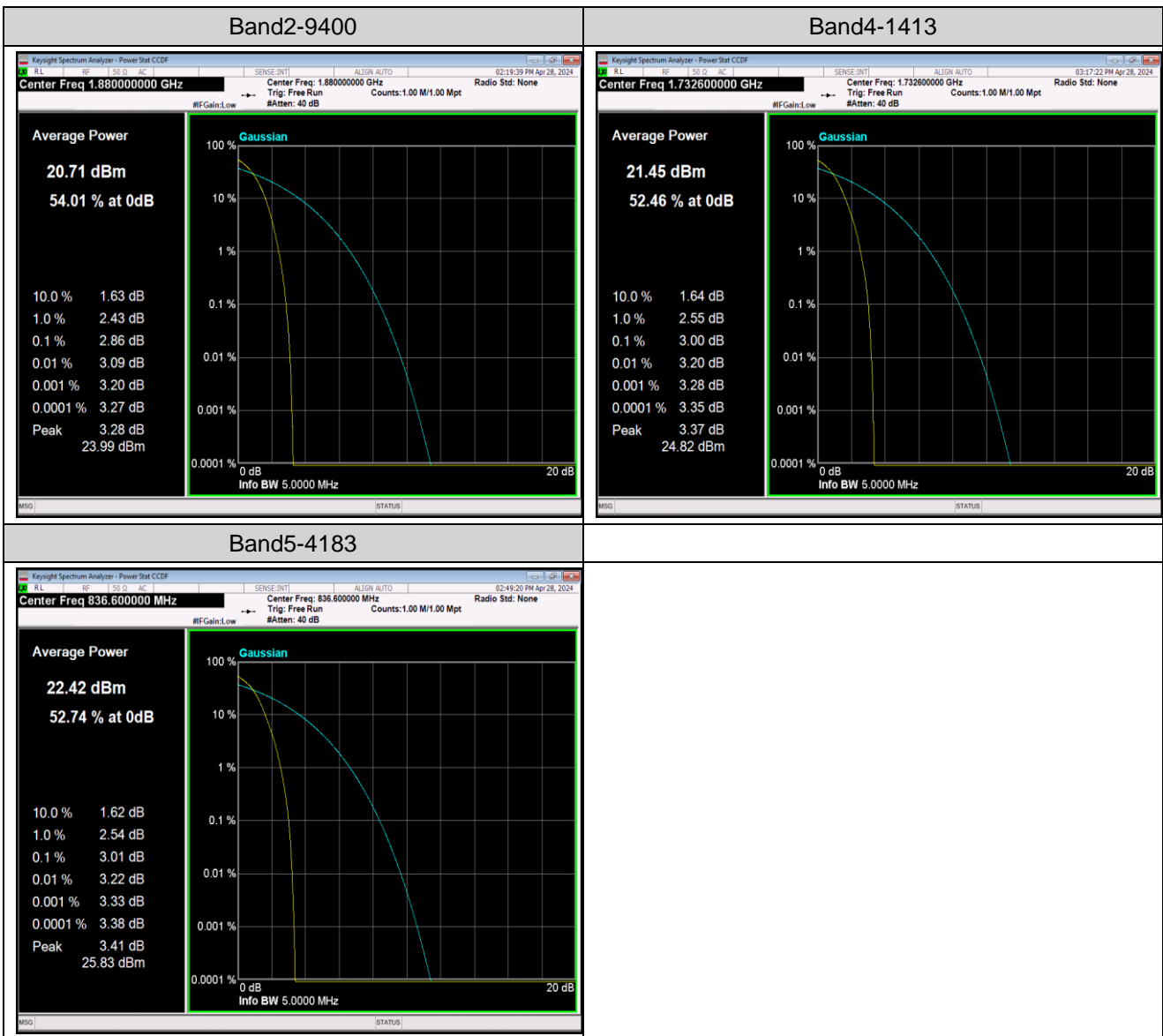
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.86	13	PASS
Band4	1413	3	13	PASS
Band5	4183	3.01	13	PASS

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

Test Graphs(WCDMA)

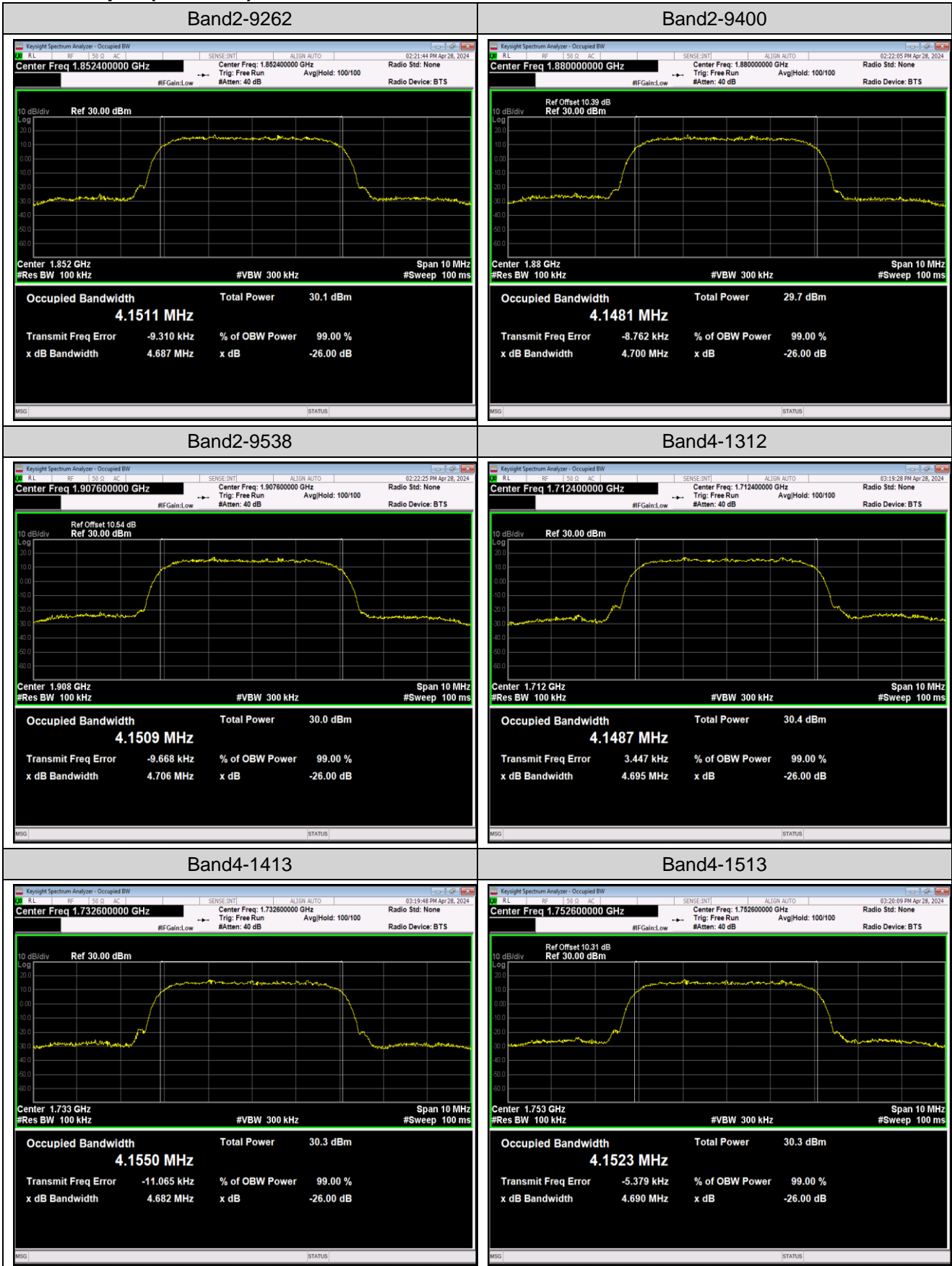


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1511	4.687	---	PASS
Band2	9400	4.1481	4.700	---	PASS
Band2	9538	4.1509	4.706	---	PASS
Band4	1312	4.1487	4.695	---	PASS
Band4	1413	4.1550	4.682	---	PASS
Band4	1513	4.1523	4.690	---	PASS
Band5	4132	4.1534	4.687	---	PASS
Band5	4183	4.1556	4.697	---	PASS
Band5	4233	4.1584	4.705	---	PASS

Test Graphs(WCDMA)



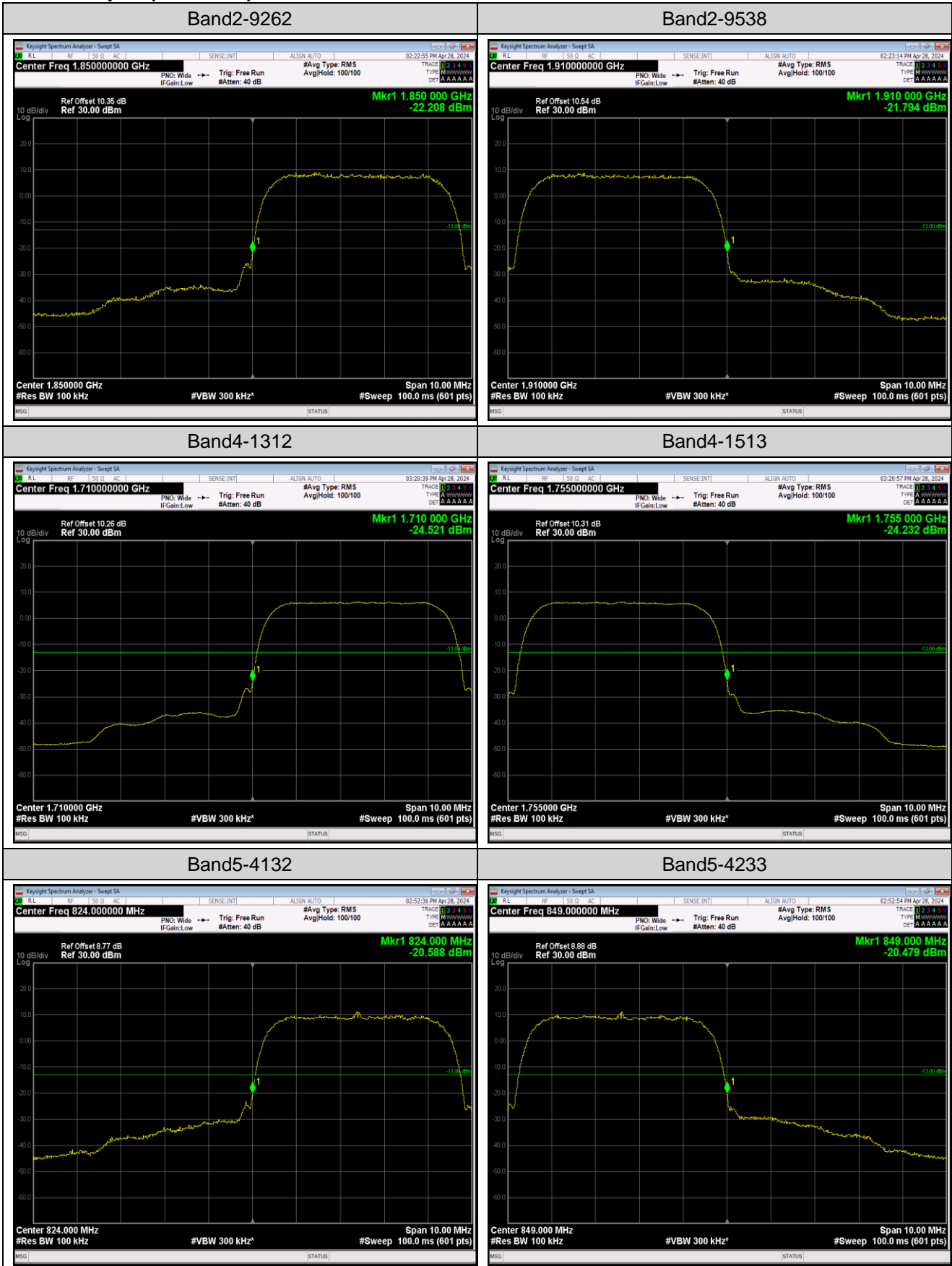


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-22.21	-13	PASS
Band2	9538	1910.00	-21.79	-13	PASS
Band4	1312	1710.00	-24.52	-13	PASS
Band4	1513	1755.00	-24.23	-13	PASS
Band5	4132	824.00	-20.59	-13	PASS
Band5	4233	849.00	-20.48	-13	PASS

Test Graphs(WCDMA)

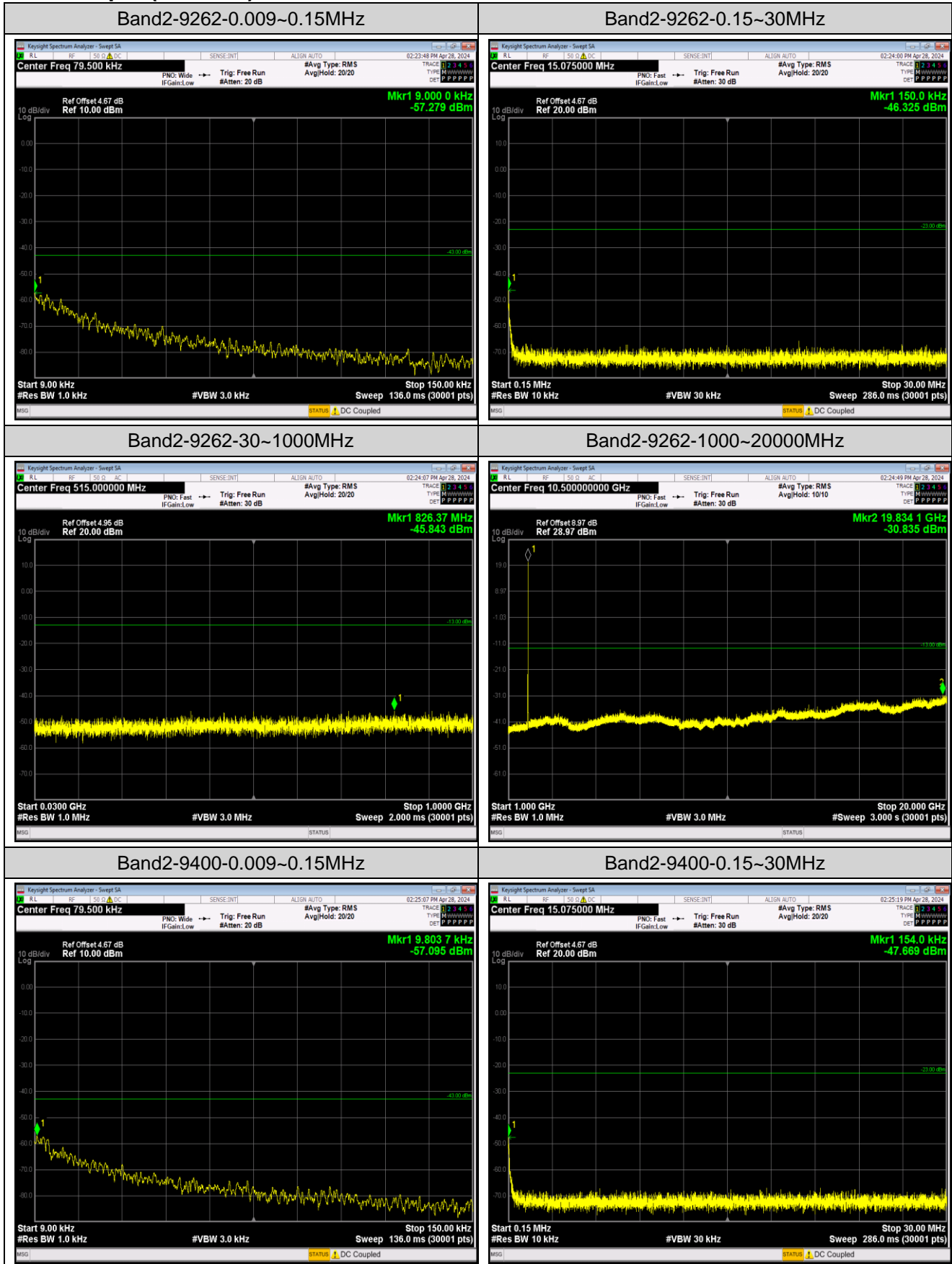


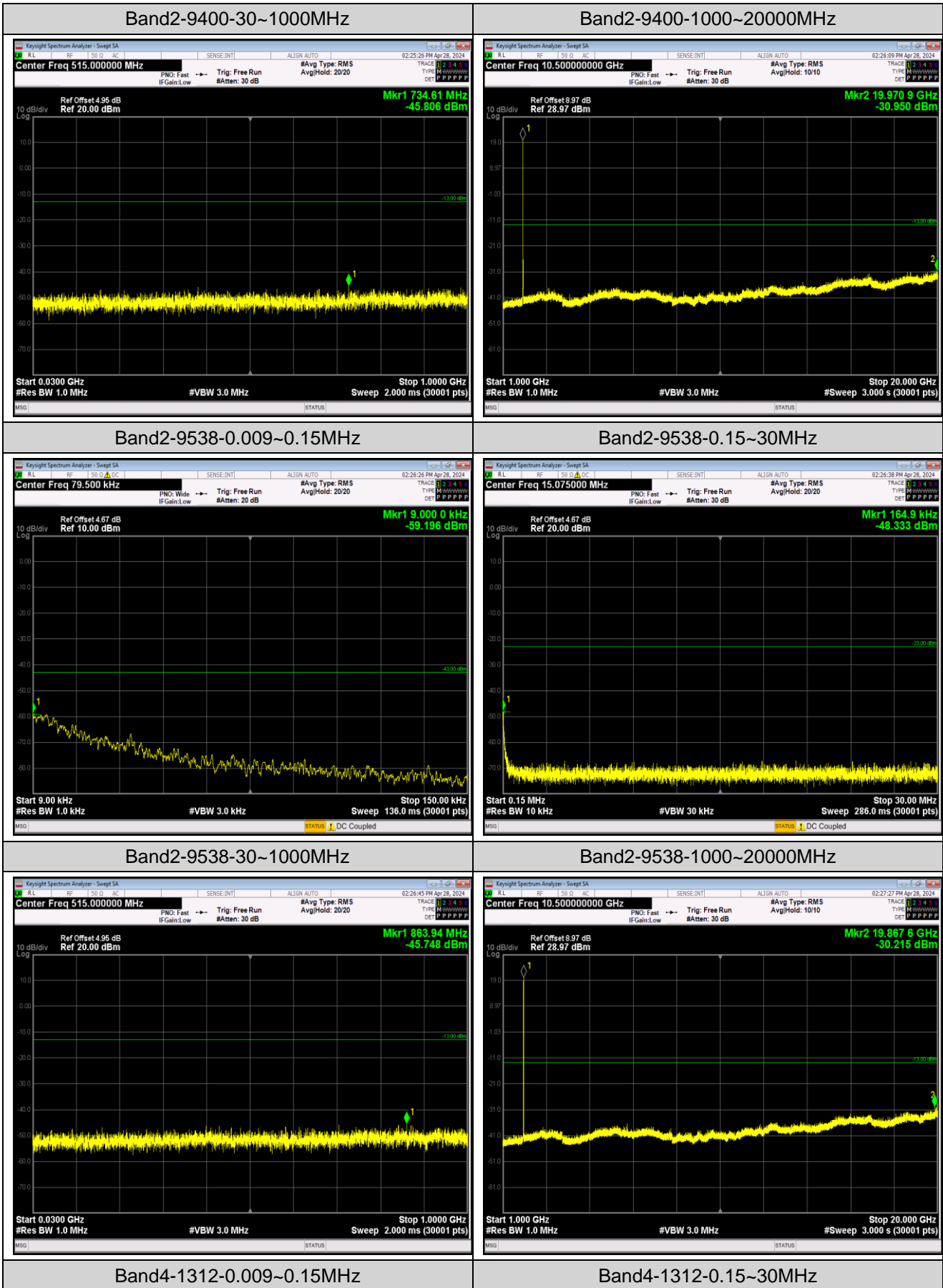
AppendixE:Conducted SpuriousEmission

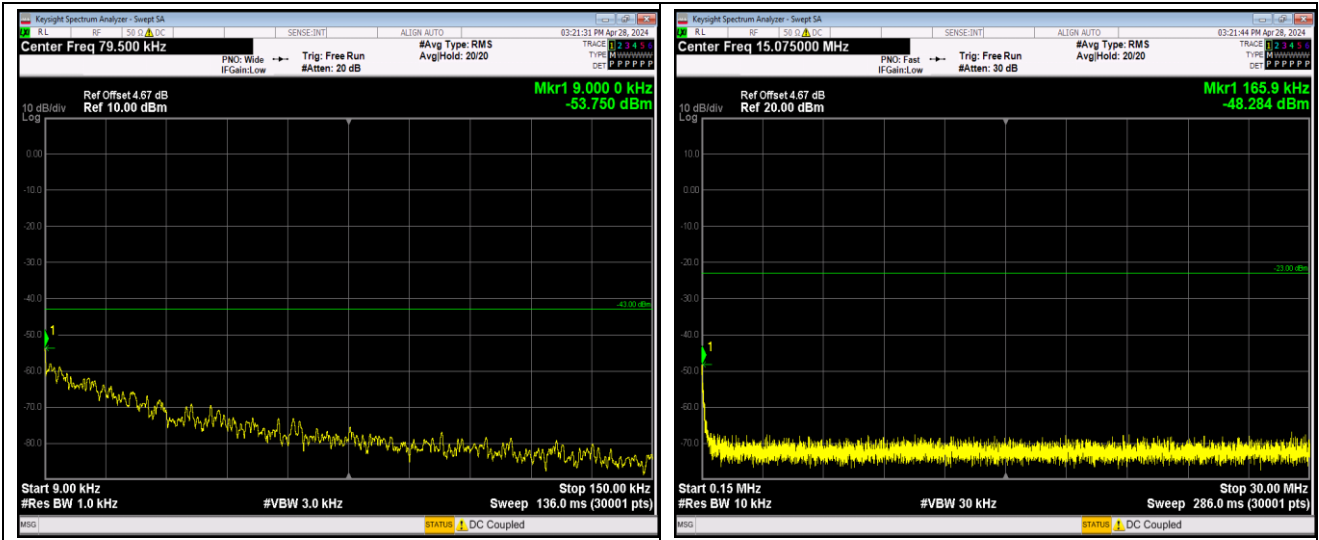
Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-57.28	-43	PASS
Band2	9262	0.15~30MHz	0.15	-46.33	-23	PASS
Band2	9262	30~1000MHz	826.37	-45.84	-13	PASS
Band2	9262	1000~20000MHz	19834.07	-30.84	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-57.1	-43	PASS
Band2	9400	0.15~30MHz	0.15	-47.67	-23	PASS
Band2	9400	30~1000MHz	734.61	-45.81	-13	PASS
Band2	9400	1000~20000MHz	19970.87	-30.95	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-59.2	-43	PASS
Band2	9538	0.15~30MHz	0.16	-48.33	-23	PASS
Band2	9538	30~1000MHz	863.94	-45.75	-13	PASS
Band2	9538	1000~20000MHz	19867.63	-30.22	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-53.75	-43	PASS
Band4	1312	0.15~30MHz	0.17	-48.28	-23	PASS
Band4	1312	30~1000MHz	826.56	-45.39	-13	PASS
Band4	1312	1000~20000MHz	19988.6	-31.02	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-56.18	-43	PASS
Band4	1413	0.15~30MHz	0.17	-48.47	-23	PASS
Band4	1413	30~1000MHz	976.98	-44.97	-13	PASS
Band4	1413	1000~20000MHz	19874.6	-30.38	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-57.31	-43	PASS
Band4	1513	0.15~30MHz	0.15	-47.83	-23	PASS
Band4	1513	30~1000MHz	832.29	-45.02	-13	PASS
Band4	1513	1000~20000MHz	19955.67	-30.51	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-55.26	-33	PASS
Band5	4132	0.15~30MHz	0.15	-47.93	-13	PASS
Band5	4132	30~1000MHz	967.41	-54.4	-13	PASS
Band5	4132	1000~10000MHz	5805.1	-36.26	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.97	-33	PASS
Band5	4183	0.15~30MHz	0.15	-46.79	-13	PASS
Band5	4183	30~1000MHz	113.71	-55.18	-13	PASS
Band5	4183	1000~10000MHz	6203.5	-36.75	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-56.33	-33	PASS
Band5	4233	0.15~30MHz	0.15	-46.14	-13	PASS
Band5	4233	30~1000MHz	952.5	-54.81	-13	PASS
Band5	4233	1000~10000MHz	5889.4	-37.02	-13	PASS

Test Graphs(WCDMA)

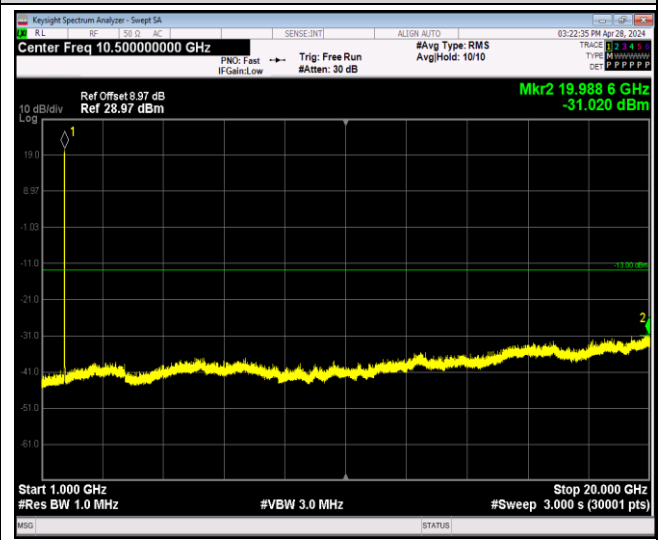
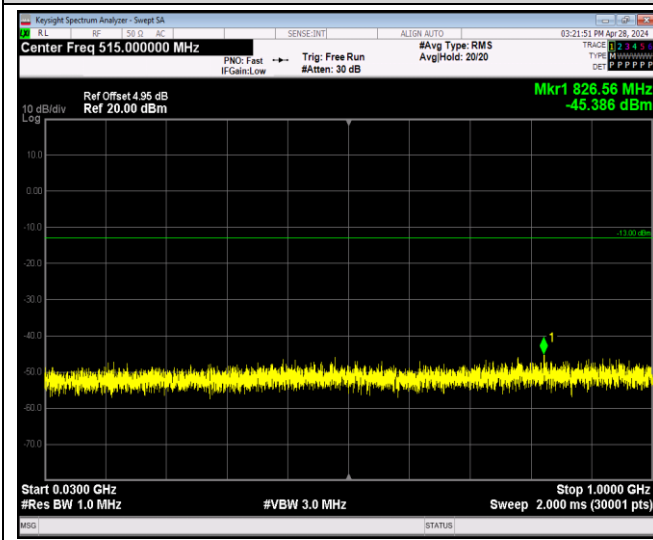






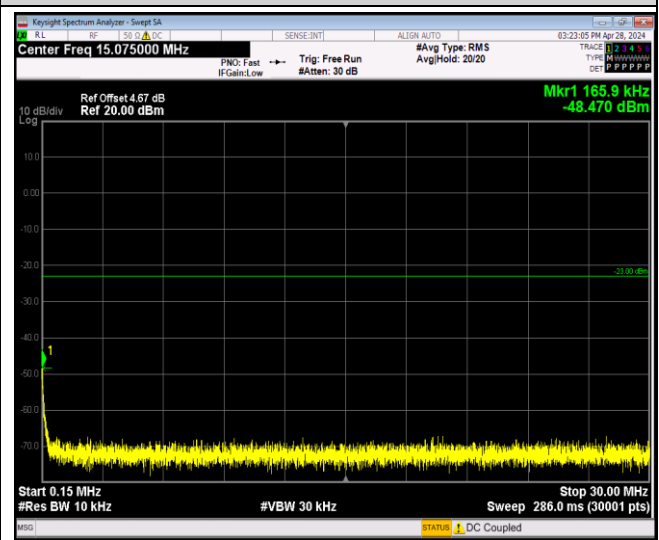
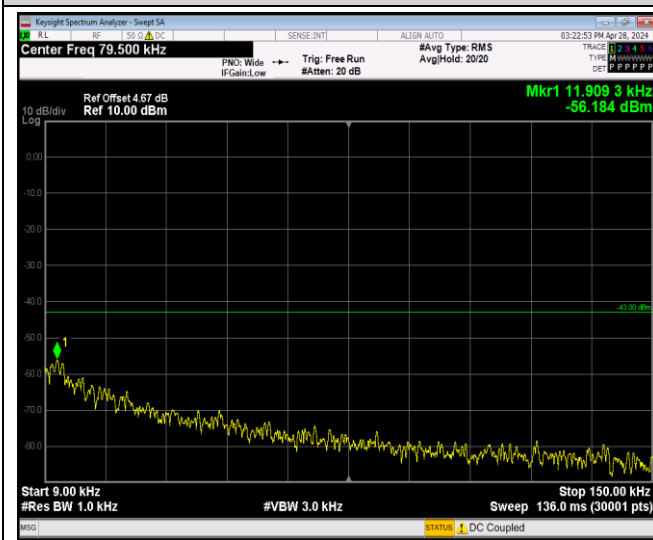
Band4-1312-30~1000MHz

Band4-1312-1000~20000MHz



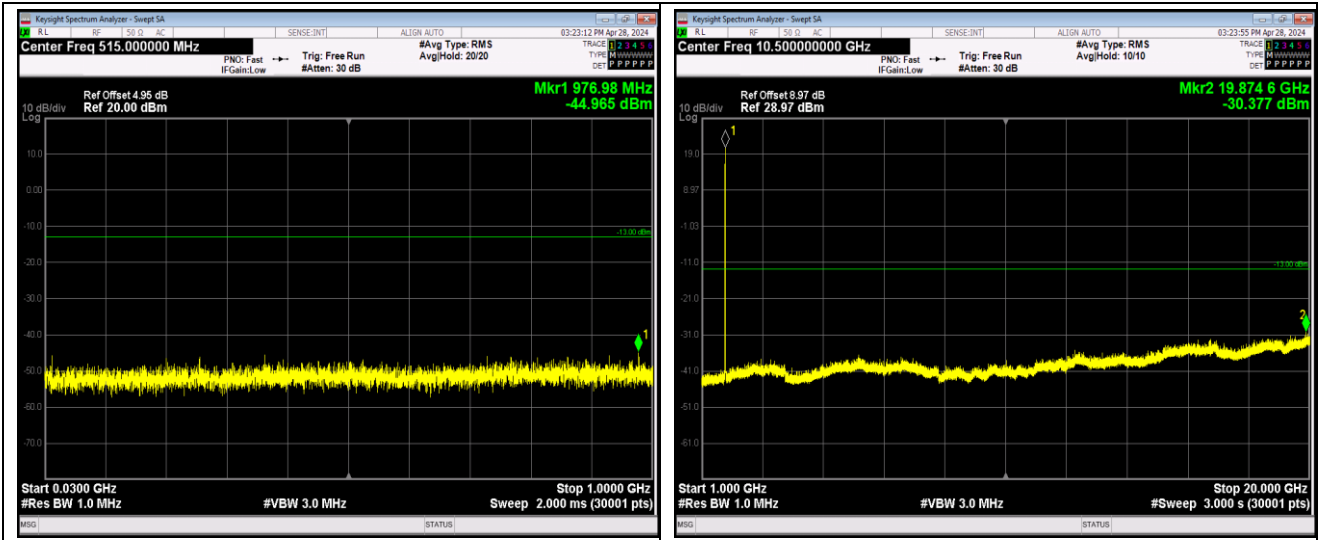
Band4-1413-0.009~0.15MHz

Band4-1413-0.15~30MHz



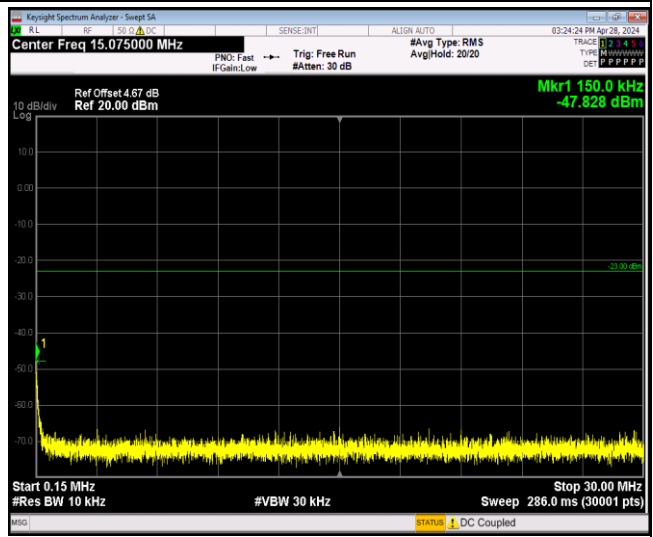
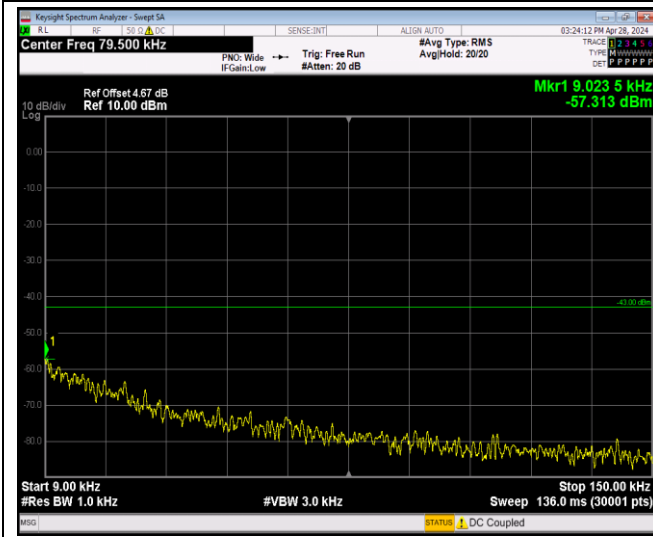
Band4-1413-30~1000MHz

Band4-1413-1000~20000MHz



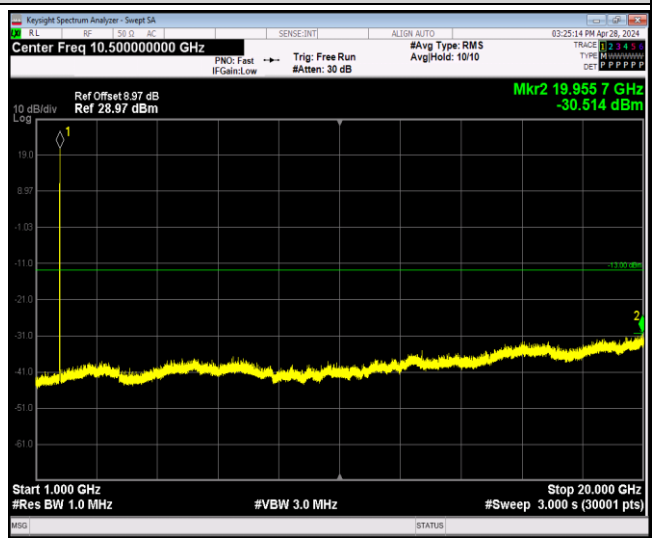
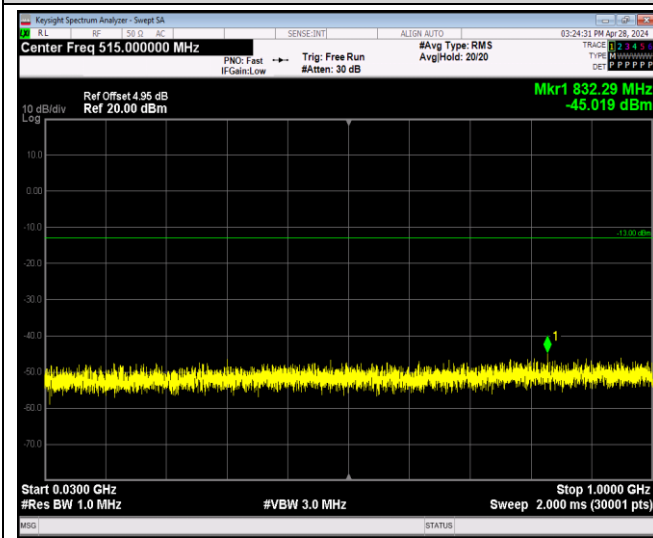
Band4-1513-0.009~0.15MHz

Band4-1513-0.15~30MHz



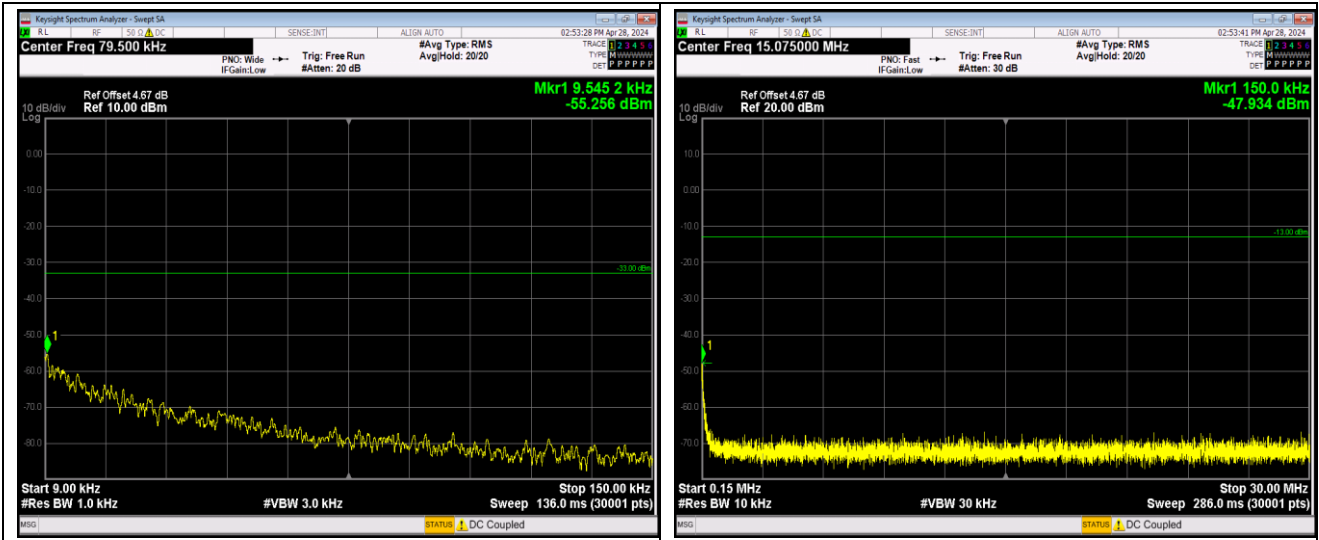
Band4-1513-30~1000MHz

Band4-1513-1000~20000MHz



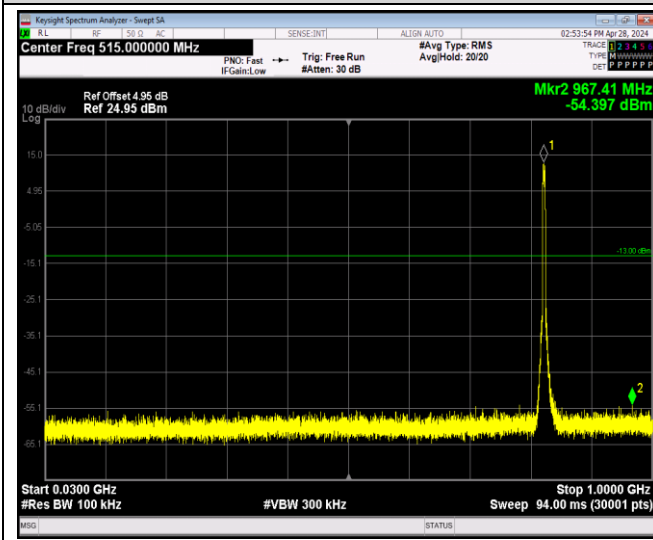
Band5-4132-0.009~0.15MHz

Band5-4132-0.15~30MHz

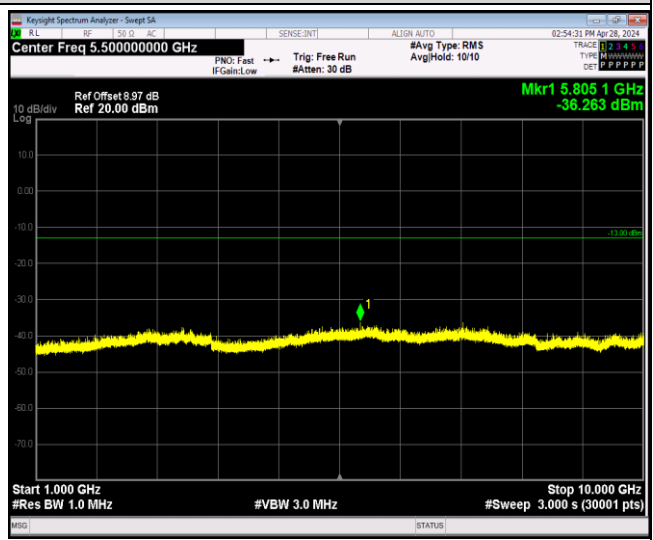


Band5-4132-30~1000MHz

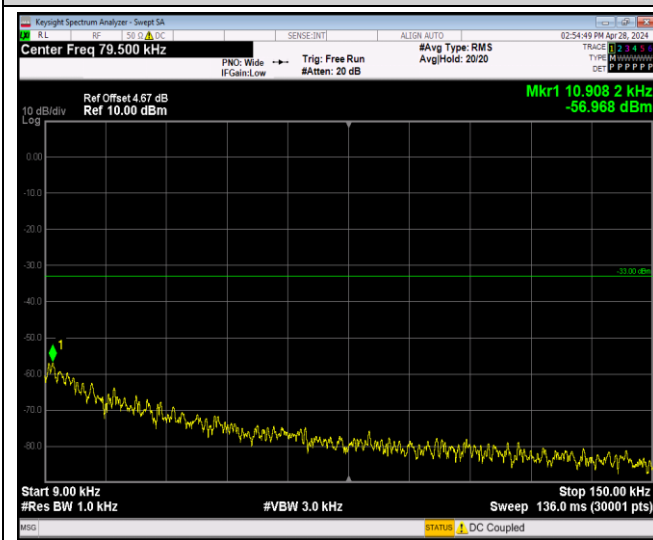
Band5-4132-1000~10000MHz



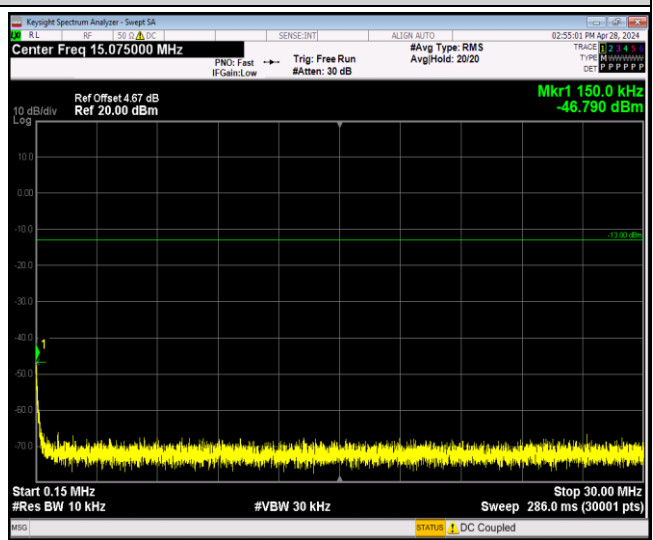
Band5-4183-0.009~0.15MHz



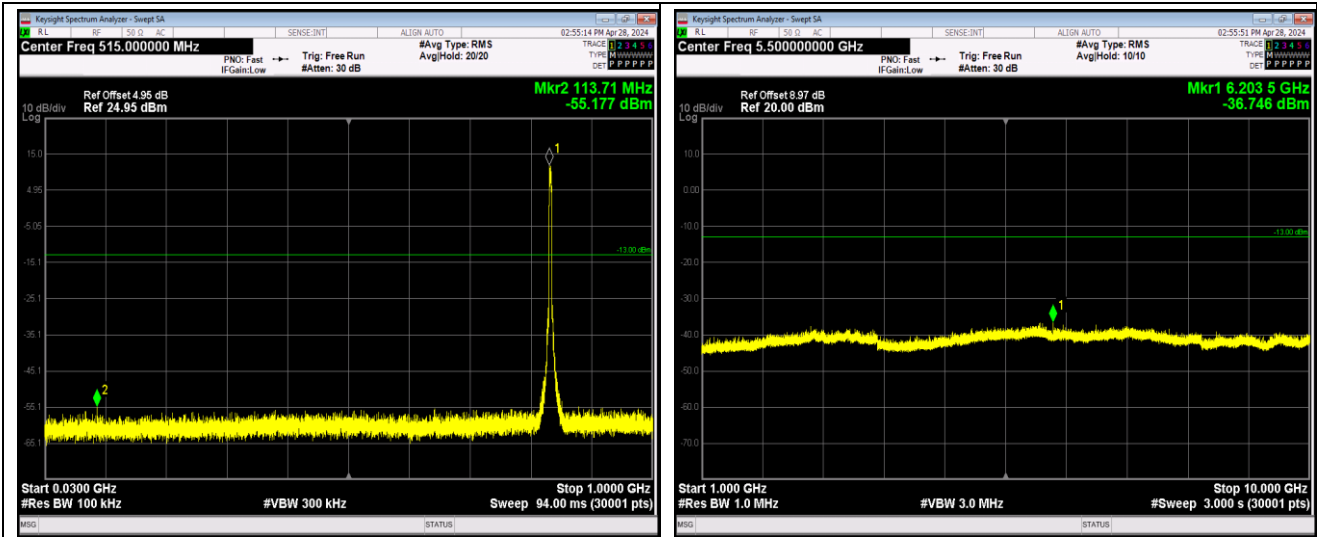
Band5-4183-0.15~30MHz



Band5-4183-30~1000MHz

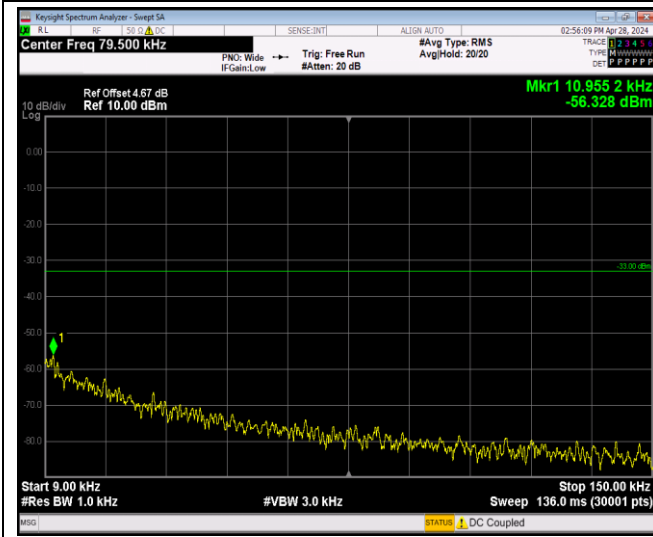


Band5-4183-1000~10000MHz

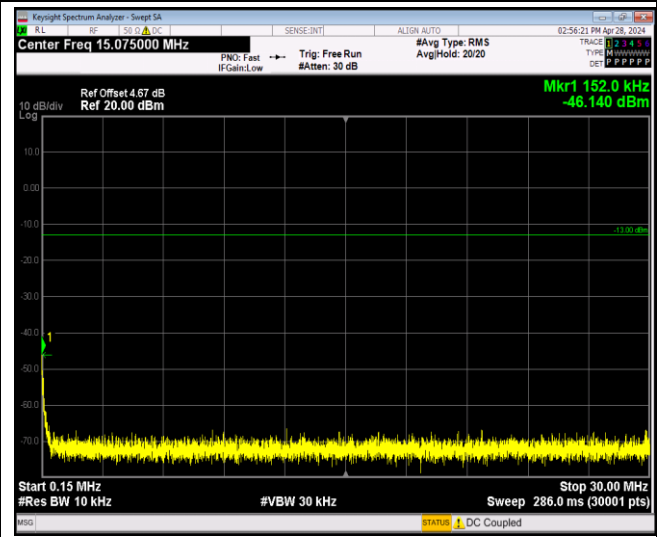


Band5-4233-0.009~0.15MHz

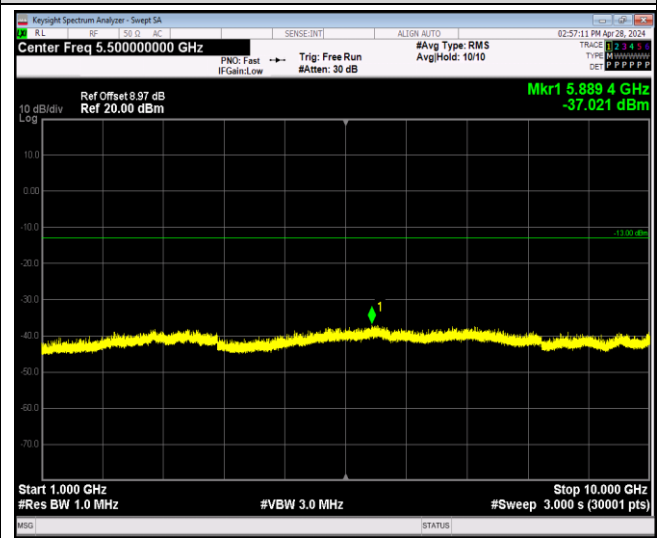
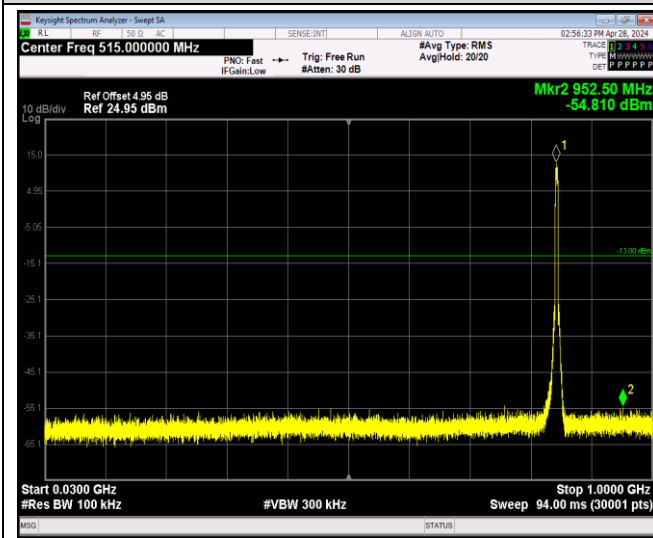
Band5-4233-0.15~30MHz



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	-2.05	-0.002450	±2.5	Pass
	-20	-1.77	-0.002116		
	-10	-1.65	-0.001972		
	0	-1.21	-0.001446		
	10	-2.05	-0.002450		
	20	-1.17	-0.001399		
	30	-1.50	-0.001793		
	40	-1.22	-0.001458		
	50	-0.88	-0.001052		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-1.84	-0.002199	±2.5	Pass
	3.85	-1.85	-0.002211		
	4.40	-1.85	-0.002211		
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	-0.07	-0.000040	Within authorized band for BAND IV	Pass
	-20	0.31	0.000179		
	-10	-1.34	-0.000773		
	0	-0.67	-0.000387		
	10	-0.58	-0.000335		
	20	-0.94	-0.000543		
	30	0.32	0.000185		
	40	0.02	0.000012		
	50	-1.23	-0.000710		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-0.73	-0.000421	Within authorized band for BAND IV	Pass
	3.85	-1.82	-0.001050		
	4.40	-0.36	-0.000208		
<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	2.04	0.001085	Within authorized band for BAND II	Pass
	-20	2.50	0.001330		
	-10	2.11	0.001122		
	0	2.34	0.001245		
	10	2.48	0.001319		
	20	3.32	0.001766		
	30	1.93	0.001027		
	40	3.52	0.001872		
	50	2.26	0.001202		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	3.72	0.001979	Within authorized band for BAND II	Pass
	3.85	2.73	0.001452		
	4.40	2.30	0.001223		
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

