

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	23.45	23.55	33	PASS
Band2	TestMode	9262	23.48	23.58	33	PASS
Band2	TestMode	9400	23.46	23.56	33	PASS
Band2	Voice	9400	23.41	23.51	33	PASS
Band2	TestMode	9538	23.47	23.57	33	PASS
Band2	Voice	9538	23.42	23.52	33	PASS
Band4	Voice	1312	23.23	22.43	30	PASS
Band4	TestMode	1312	23.27	22.47	30	PASS
Band4	Voice	1413	23.28	22.48	30	PASS
Band4	TestMode	1413	23.31	22.51	30	PASS
Band4	TestMode	1513	23.32	22.52	30	PASS
Band4	Voice	1513	23.22	22.42	30	PASS
Band5	Voice	4132	23.61	17.66	38.5	PASS
Band5	TestMode	4132	23.66	17.71	38.5	PASS
Band5	TestMode	4183	23.60	17.65	38.5	PASS
Band5	Voice	4183	23.63	17.68	38.5	PASS
Band5	Voice	4233	23.54	17.59	38.5	PASS
Band5	TestMode	4233	23.53	17.58	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.56	22.66	33	PASS
Band2	9262	2	22.02	22.12	33	PASS
Band2	9262	3	22.05	22.15	33	PASS
Band2	9262	4	22.00	22.10	33	PASS
Band2	9400	1	22.52	22.62	33	PASS
Band2	9400	2	21.96	22.06	33	PASS
Band2	9400	3	21.95	22.05	33	PASS
Band2	9400	4	21.93	22.03	33	PASS
Band2	9538	1	22.53	22.63	33	PASS
Band2	9538	2	21.96	22.06	33	PASS
Band2	9538	3	21.98	22.08	33	PASS
Band2	9538	4	22.00	22.10	33	PASS

Band4	1312	1	22.26	21.46	30	PASS
Band4	1312	2	21.70	20.90	30	PASS
Band4	1312	3	21.73	20.93	30	PASS
Band4	1312	4	21.70	20.90	30	PASS
Band4	1413	1	22.31	21.51	30	PASS
Band4	1413	2	21.78	20.98	30	PASS
Band4	1413	3	21.81	21.01	30	PASS
Band4	1413	4	21.79	20.99	30	PASS
Band4	1513	1	22.30	21.50	30	PASS
Band4	1513	2	21.81	21.01	30	PASS
Band4	1513	3	21.85	21.05	30	PASS
Band4	1513	4	21.76	20.96	30	PASS
Band5	4132	1	22.78	16.83	38.5	PASS
Band5	4132	2	22.23	16.28	38.5	PASS
Band5	4132	3	22.23	16.28	38.5	PASS
Band5	4132	4	22.23	16.28	38.5	PASS
Band5	4183	1	22.69	16.74	38.5	PASS
Band5	4183	2	22.14	16.19	38.5	PASS
Band5	4183	3	22.18	16.23	38.5	PASS
Band5	4183	4	22.14	16.19	38.5	PASS
Band5	4233	1	22.64	16.69	38.5	PASS
Band5	4233	2	22.07	16.12	38.5	PASS
Band5	4233	3	22.11	16.16	38.5	PASS
Band5	4233	4	22.05	16.1	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.51	20.61	33	PASS
Band2	9262	2	20.98	21.08	33	PASS
Band2	9262	3	21.50	21.60	33	PASS
Band2	9262	4	20.53	20.63	33	PASS
Band2	9262	5	22.52	22.62	33	PASS
Band2	9400	1	20.43	20.53	33	PASS
Band2	9400	2	20.96	21.06	33	PASS
Band2	9400	3	21.47	21.57	33	PASS
Band2	9400	4	20.48	20.58	33	PASS
Band2	9400	5	22.46	22.56	33	PASS
Band2	9538	1	20.45	20.55	33	PASS
Band2	9538	2	20.96	21.06	33	PASS
Band2	9538	3	21.46	21.56	33	PASS

Band2	9538	4	20.47	20.57	33	PASS
Band2	9538	5	22.45	22.55	33	PASS
Band4	1312	1	20.28	19.48	30	PASS
Band4	1312	2	20.74	19.94	30	PASS
Band4	1312	3	21.23	20.43	30	PASS
Band4	1312	4	20.25	19.45	30	PASS
Band4	1312	5	22.25	21.45	30	PASS
Band4	1413	1	20.35	19.55	30	PASS
Band4	1413	2	20.84	20.04	30	PASS
Band4	1413	3	21.32	20.52	30	PASS
Band4	1413	4	20.33	19.53	30	PASS
Band4	1413	5	22.34	21.54	30	PASS
Band4	1513	1	20.33	19.53	30	PASS
Band4	1513	2	20.82	20.02	30	PASS
Band4	1513	3	21.33	20.53	30	PASS
Band4	1513	4	20.35	19.55	30	PASS
Band4	1513	5	22.35	21.55	30	PASS
Band5	4132	1	20.75	14.8	38.5	PASS
Band5	4132	2	21.23	15.28	38.5	PASS
Band5	4132	3	21.78	15.83	38.5	PASS
Band5	4132	4	20.78	14.83	38.5	PASS
Band5	4132	5	22.77	16.82	38.5	PASS
Band5	4183	1	20.66	14.71	38.5	PASS
Band5	4183	2	21.17	15.22	38.5	PASS
Band5	4183	3	21.69	15.74	38.5	PASS
Band5	4183	4	20.72	14.77	38.5	PASS
Band5	4183	5	22.68	16.73	38.5	PASS
Band5	4233	1	20.64	14.69	38.5	PASS
Band5	4233	2	21.14	15.19	38.5	PASS
Band5	4233	3	21.64	15.69	38.5	PASS
Band5	4233	4	20.64	14.69	38.5	PASS
Band5	4233	5	22.65	16.7	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)

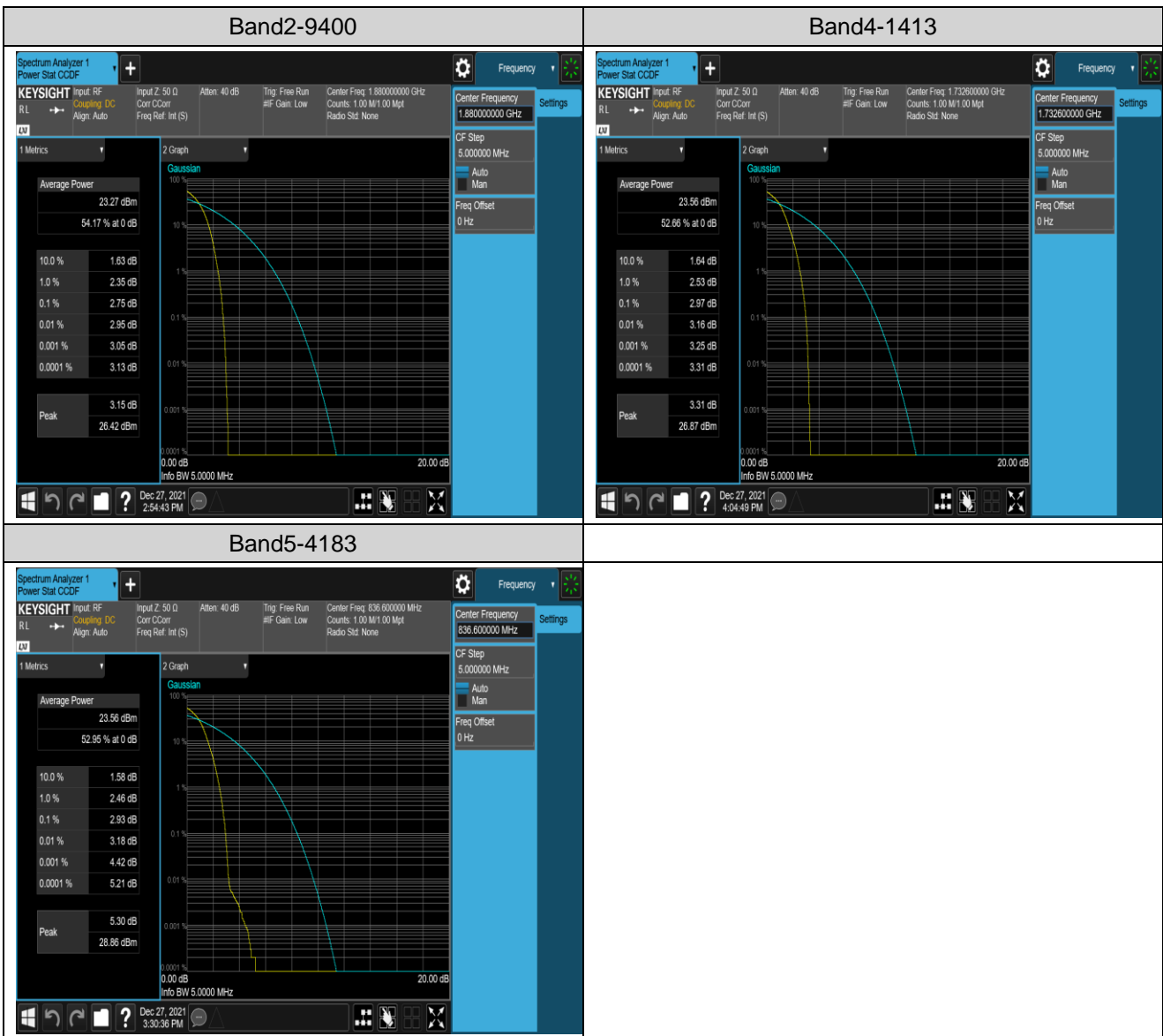
Appendix B: Peak-to-Average Ratio

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	2.93	13	PASS

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

Test Graphs(WCDMA)

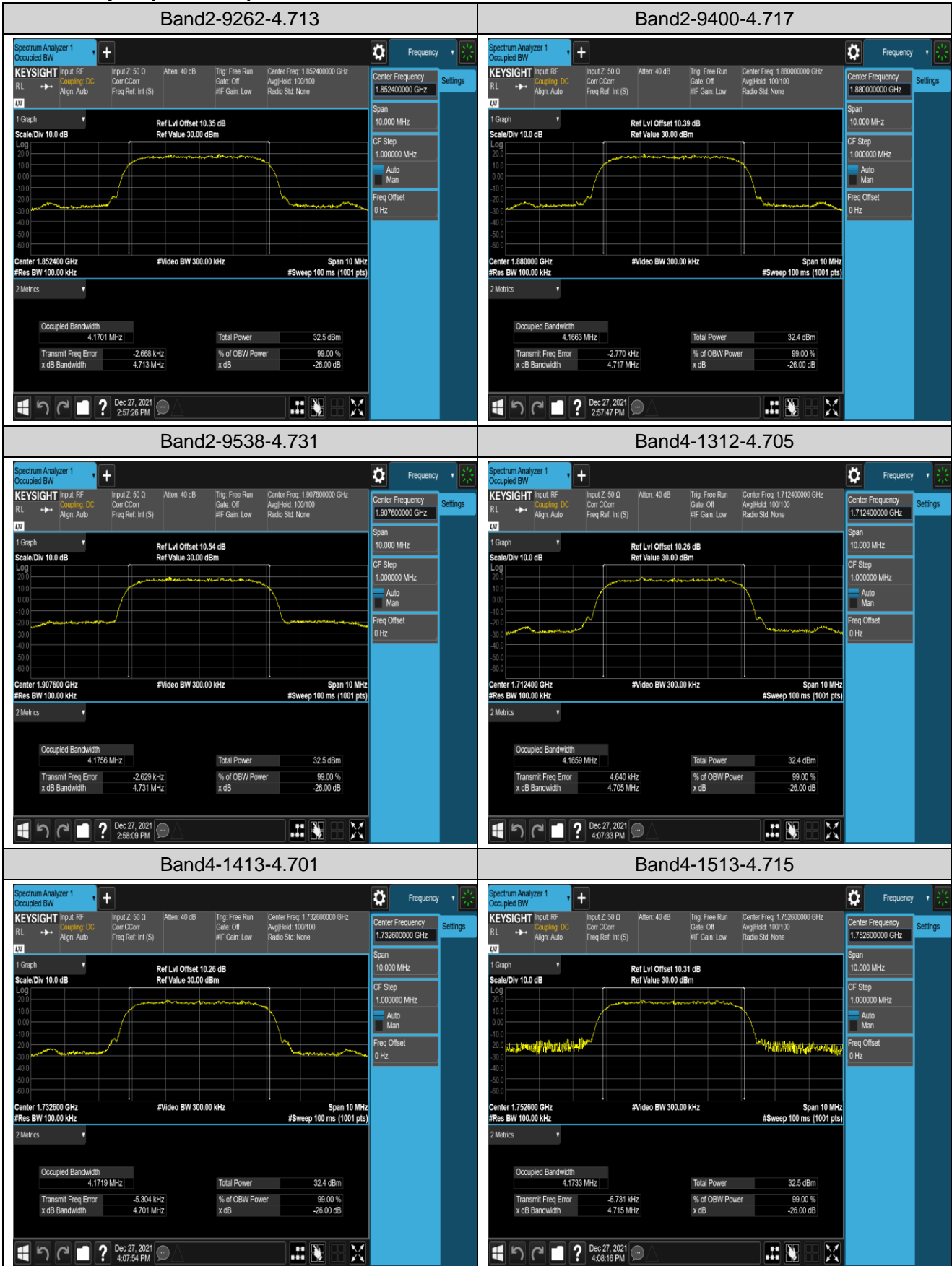


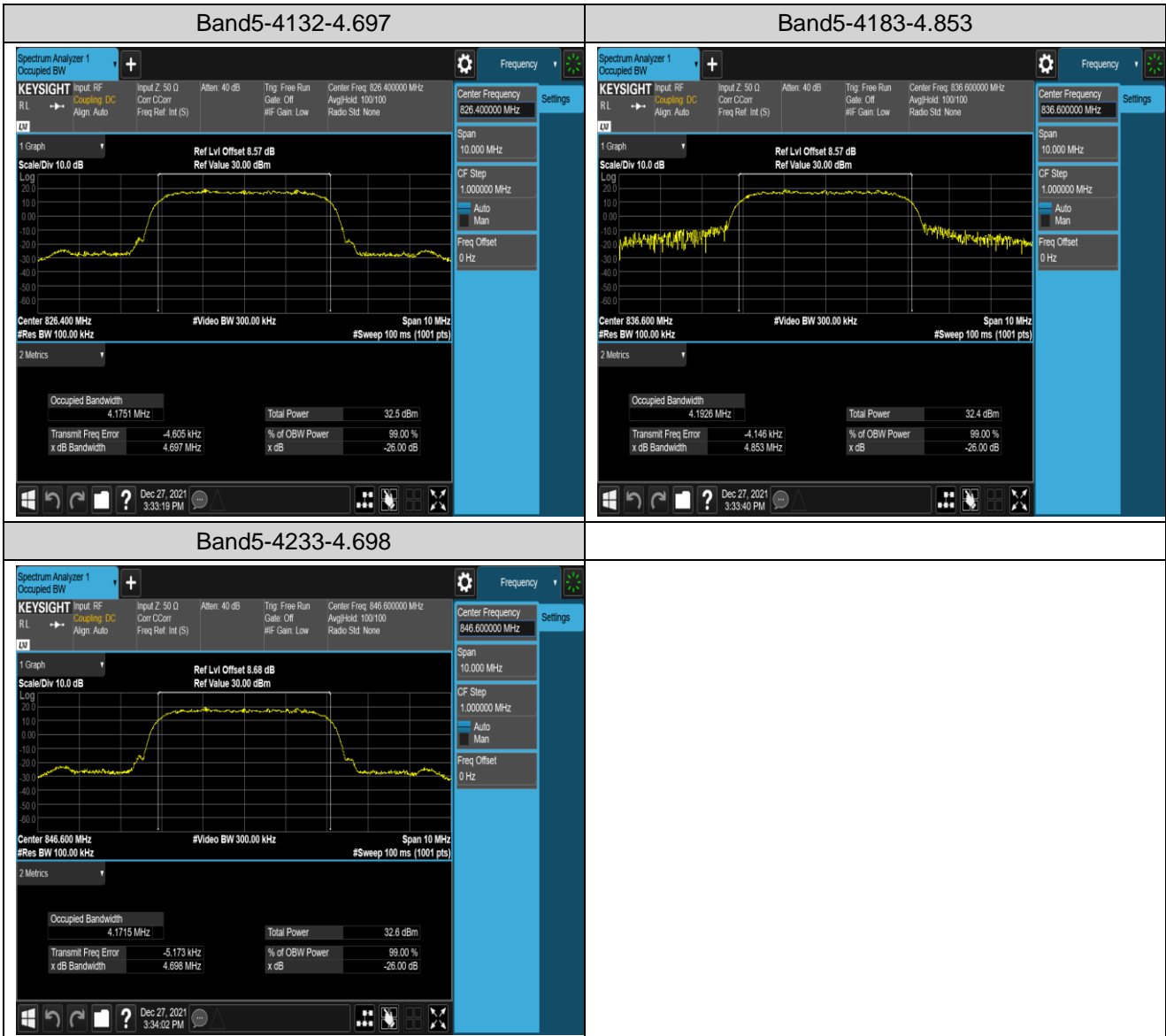
AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1701	4.713	---	PASS
Band2	9400	4.1663	4.717	---	PASS
Band2	9538	4.1756	4.731	---	PASS
Band4	1312	4.1659	4.705	---	PASS
Band4	1413	4.1719	4.701	---	PASS
Band4	1513	4.1733	4.715	---	PASS
Band5	4132	4.1751	4.697	---	PASS
Band5	4183	4.1926	4.853	---	PASS
Band5	4233	4.1715	4.698	---	PASS

Test Graphs(WCDMA)

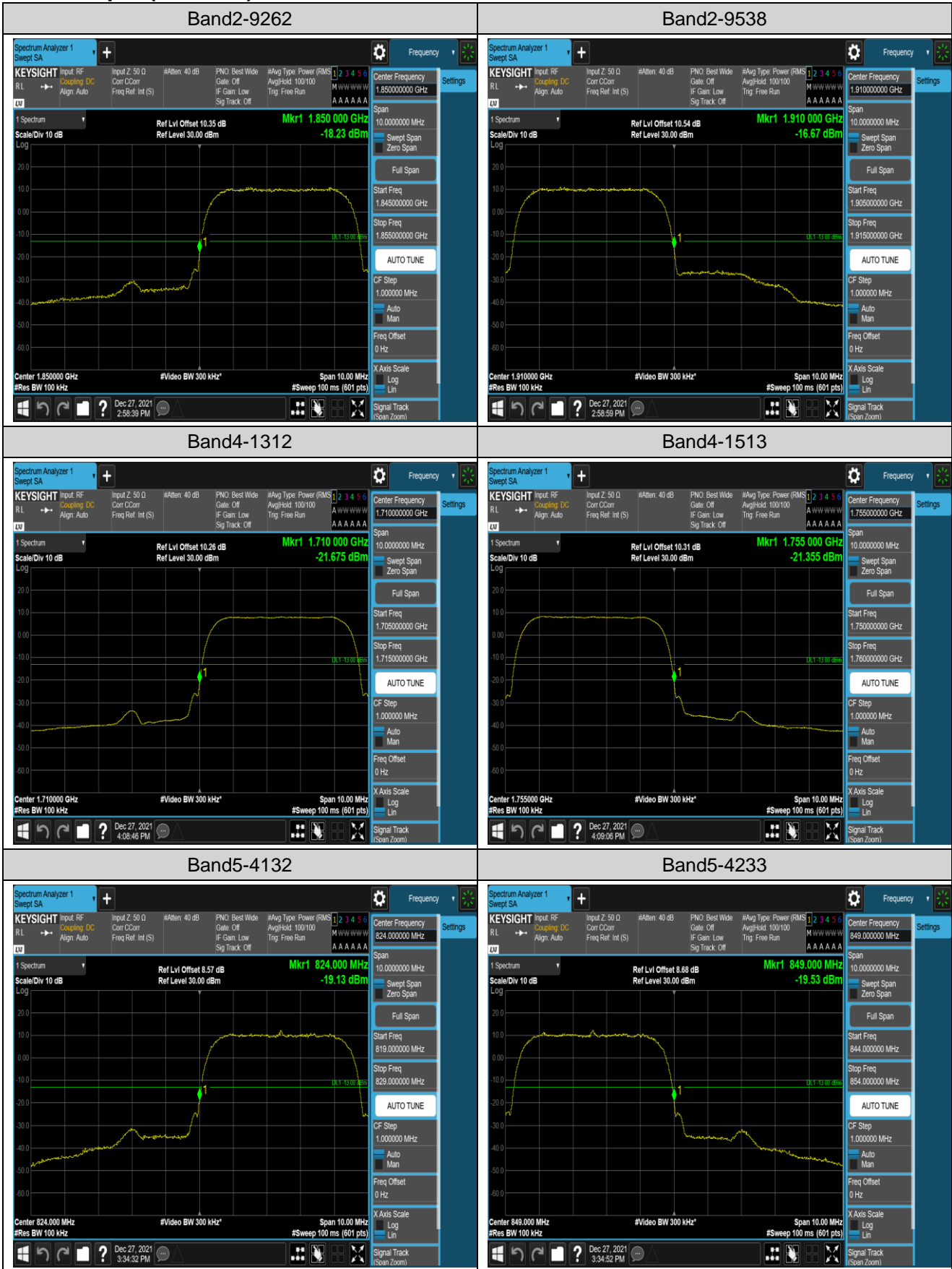




AppendixD:Band Edge**Test Result(WCDMA)**

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-18.23	-13	PASS
Band2	9538	1910.00	-16.67	-13	PASS
Band4	1312	1710.00	-21.68	-13	PASS
Band4	1513	1755.00	-21.36	-13	PASS
Band5	4132	824.00	-19.13	-13	PASS
Band5	4233	849.00	-19.53	-13	PASS

Test Graphs(WCDMA)



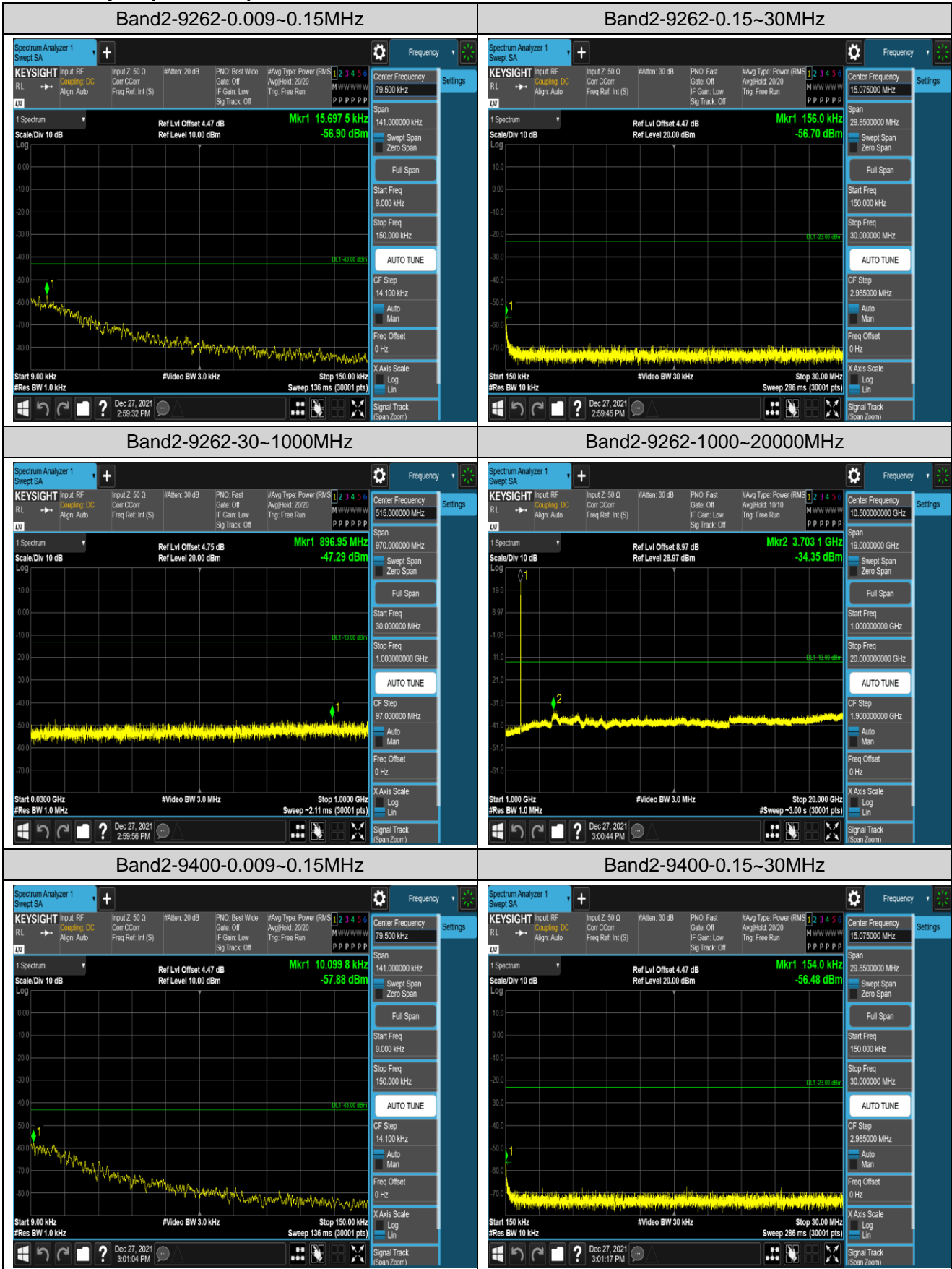
AppendixE:Conducted SpuriousEmission

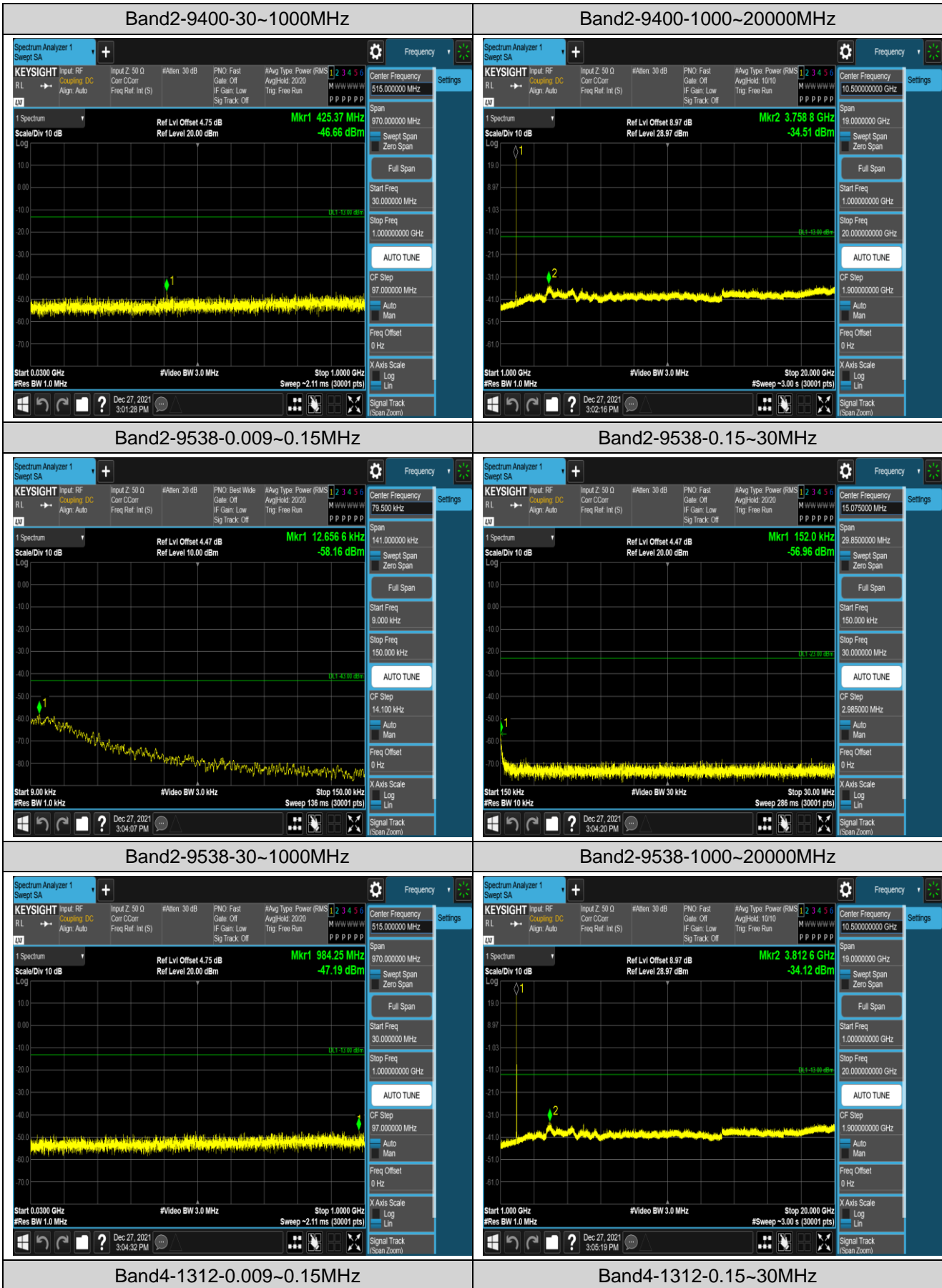
Test Result(WCDMA)

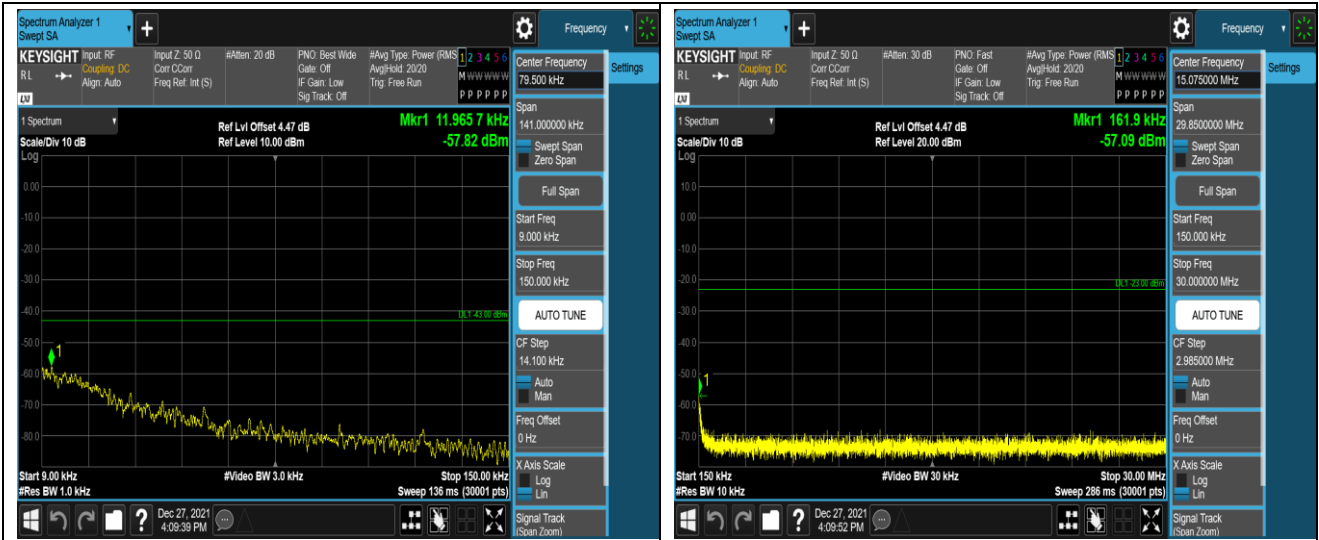
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.02	-56.9	-43	PASS
Band2	9262	0.15~30MHz	0.16	-56.7	-23	PASS
Band2	9262	30~1000MHz	896.95	-47.29	-13	PASS
Band2	9262	1000~20000MHz	3703.07	-34.35	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-57.88	-43	PASS
Band2	9400	0.15~30MHz	0.15	-56.48	-23	PASS
Band2	9400	30~1000MHz	425.37	-46.66	-13	PASS
Band2	9400	1000~20000MHz	3758.8	-34.51	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-58.16	-43	PASS
Band2	9538	0.15~30MHz	0.15	-56.96	-23	PASS
Band2	9538	30~1000MHz	984.25	-47.19	-13	PASS
Band2	9538	1000~20000MHz	3812.63	-34.12	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-57.82	-43	PASS
Band4	1312	0.15~30MHz	0.16	-57.09	-23	PASS
Band4	1312	30~1000MHz	835	-46.34	-13	PASS
Band4	1312	1000~20000MHz	19804.3	-34.6	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-56.67	-43	PASS
Band4	1413	0.15~30MHz	0.15	-56.26	-23	PASS
Band4	1413	30~1000MHz	836.2	-46.87	-13	PASS
Band4	1413	1000~20000MHz	19430	-34.51	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-56.55	-43	PASS
Band4	1513	0.15~30MHz	0.17	-55.42	-23	PASS
Band4	1513	30~1000MHz	805.06	-46.3	-13	PASS
Band4	1513	1000~20000MHz	3733.47	-34.23	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-57.13	-33	PASS
Band5	4132	0.15~30MHz	0.16	-57.37	-13	PASS
Band5	4132	30~1000MHz	982.57	-55.25	-13	PASS
Band5	4132	1000~10000MHz	3739.3	-34.32	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-58.41	-33	PASS
Band5	4183	0.15~30MHz	0.17	-57.41	-13	PASS
Band5	4183	30~1000MHz	992.98	-56.61	-13	PASS
Band5	4183	1000~10000MHz	3817	-33.9	-13	PASS
Band5	4233	0.009~0.15MHz	0.02	-57.28	-33	PASS
Band5	4233	0.15~30MHz	0.16	-58.26	-13	PASS
Band5	4233	30~1000MHz	357.18	-56.36	-13	PASS

Band5	4233	1000~10000MHz	3656.2	-34.88	-13	PASS
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Test Graphs(WCDMA)





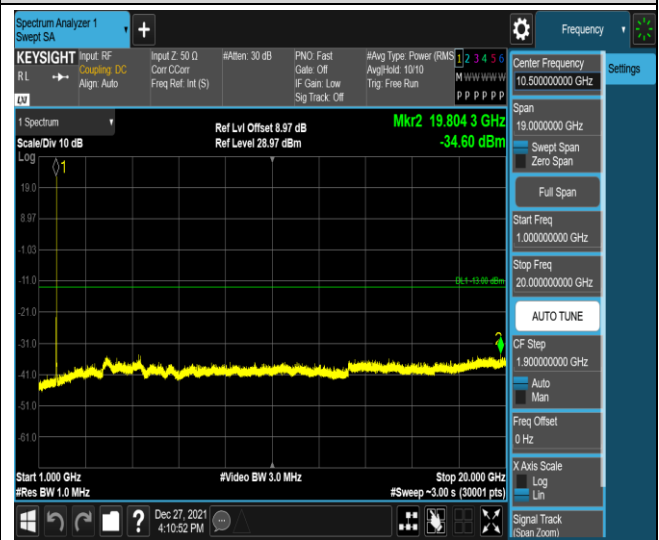


Band4-1312-30~1000MHz

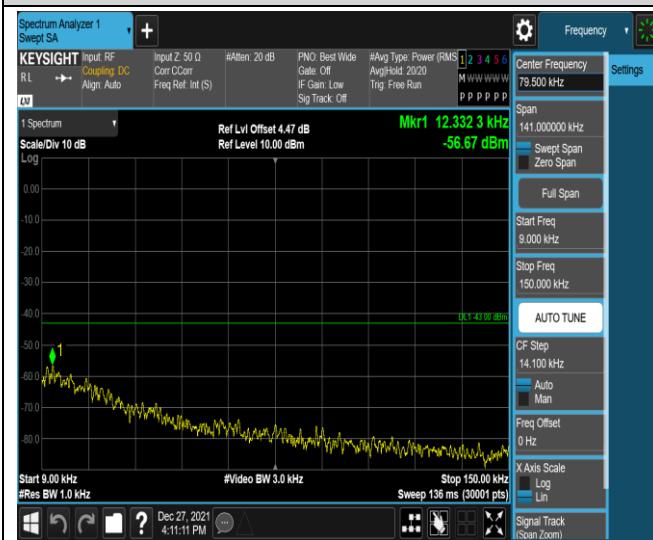
Band4-1312-1000~20000MHz



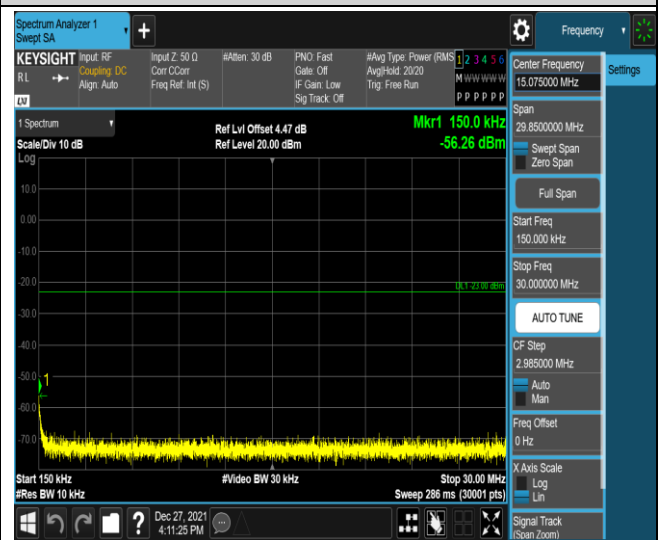
Band4-1413-0.009~0.15MHz



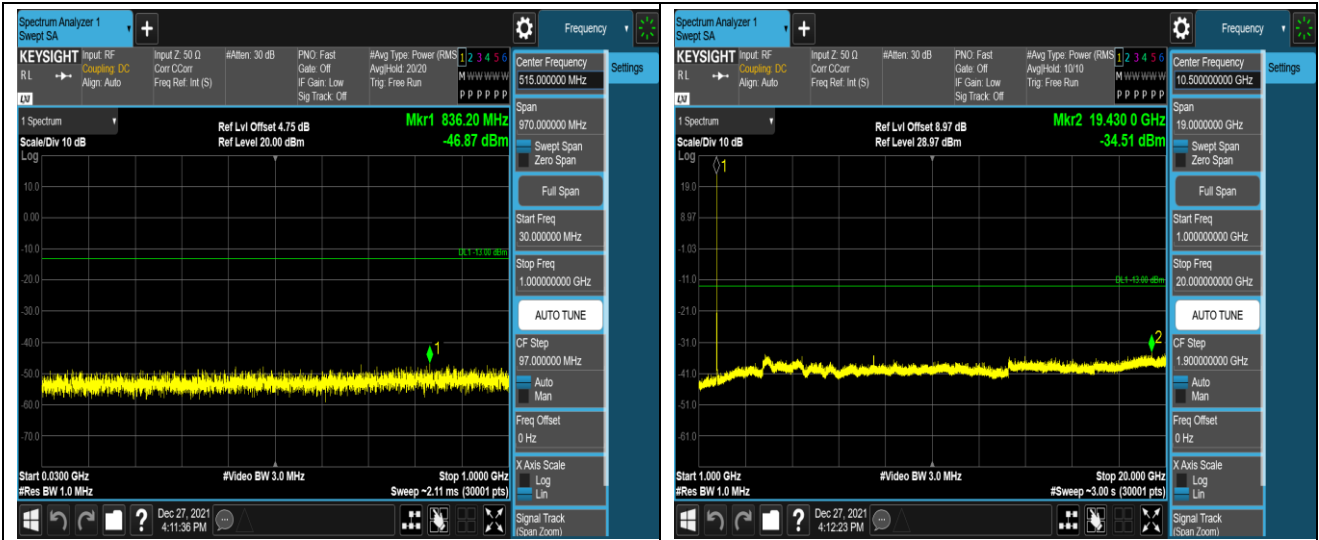
Band4-1413-0.15~30MHz



Band4-1413-30~1000MHz



Band4-1413-1000~20000MHz

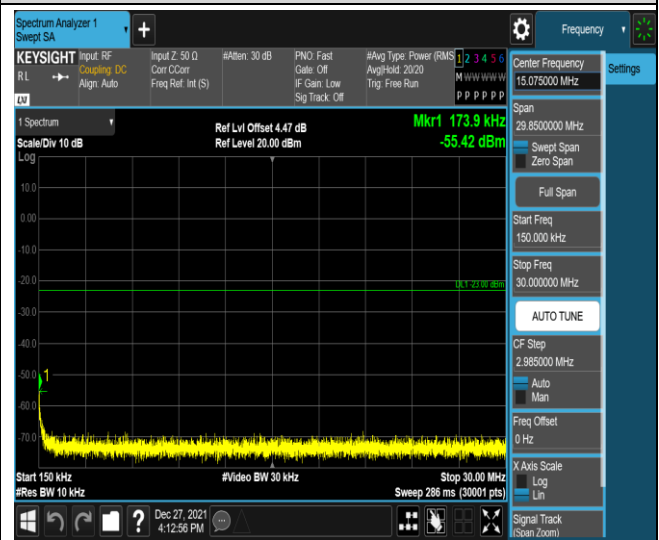


Band4-1513-0.009~0.15MHz

Band4-1513-0.15~30MHz



Band4-1513-30~1000MHz



Band4-1513-1000~20000MHz



Band5-4132-0.009~0.15MHz

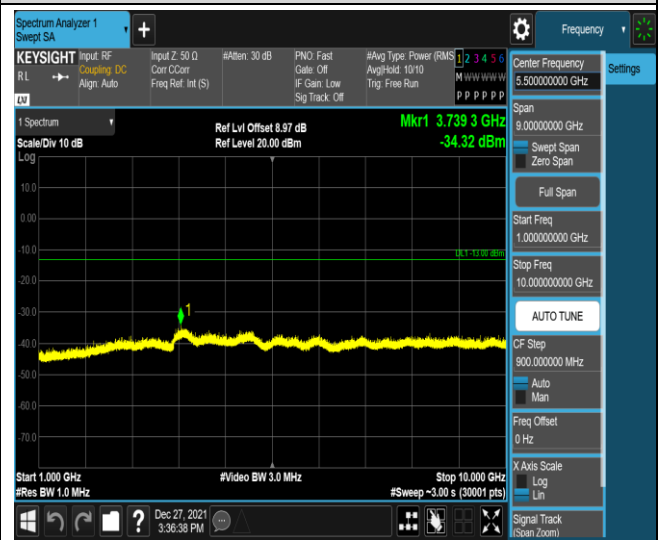
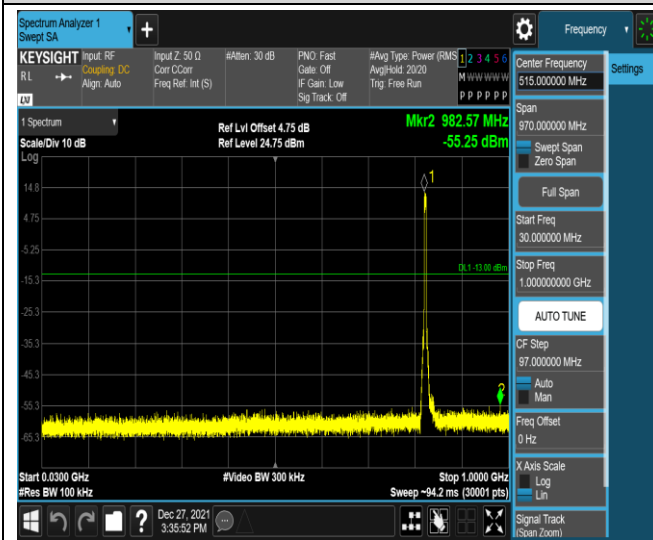


Band5-4132-0.15~30MHz



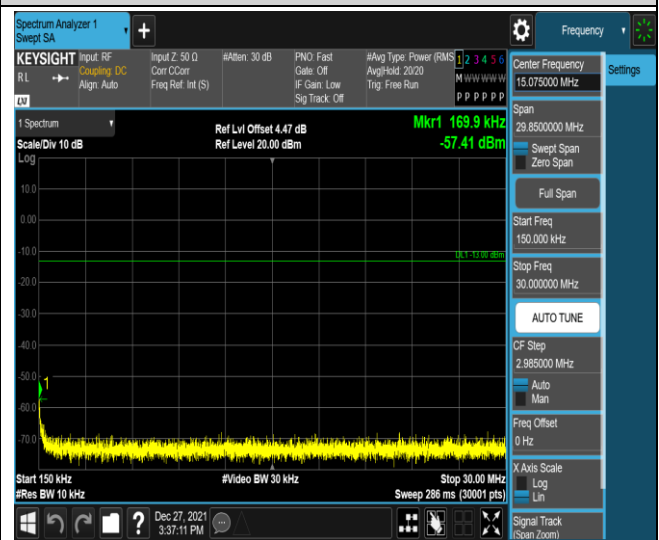
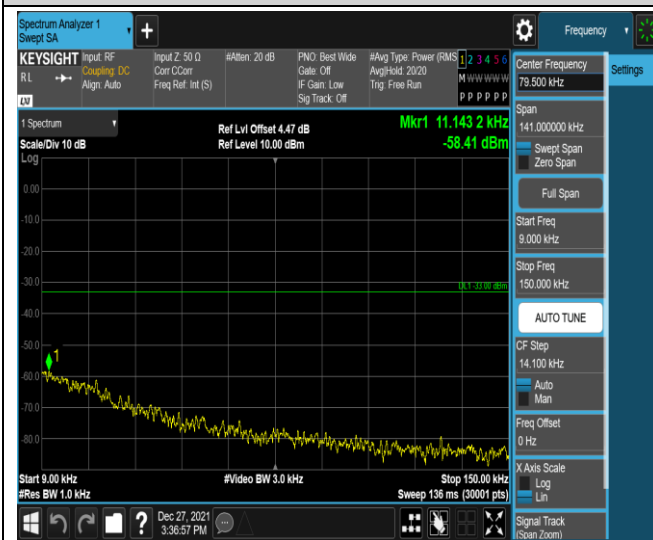
Band5-4132-30~1000MHz

Band5-4132-1000~10000MHz



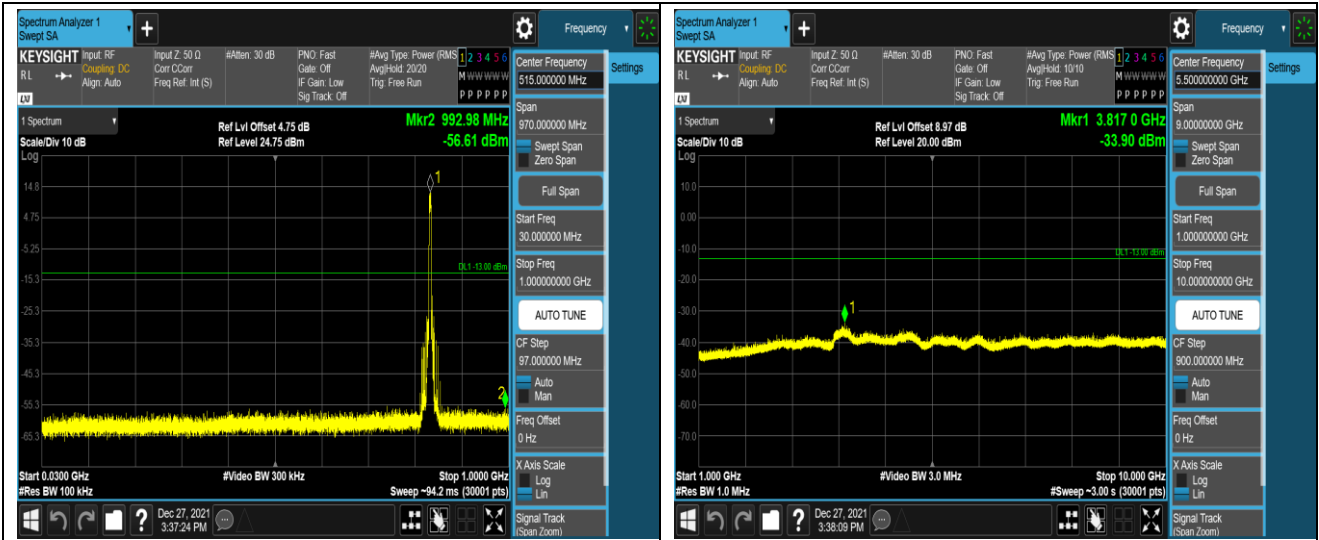
Band5-4183-0.009~0.15MHz

Band5-4183-0.15~30MHz



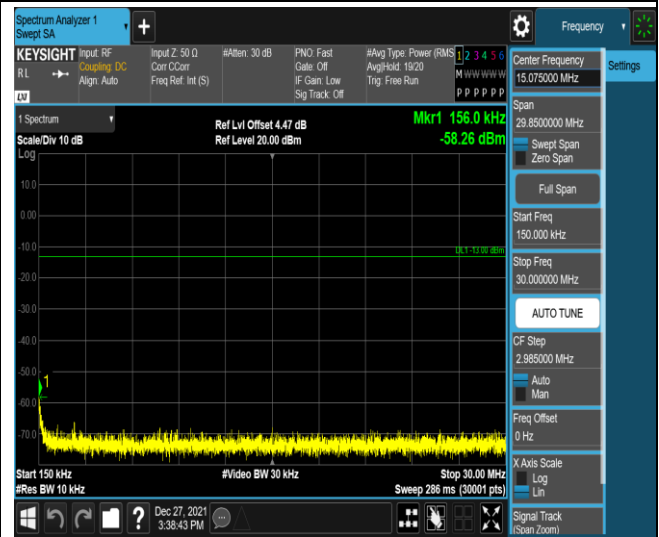
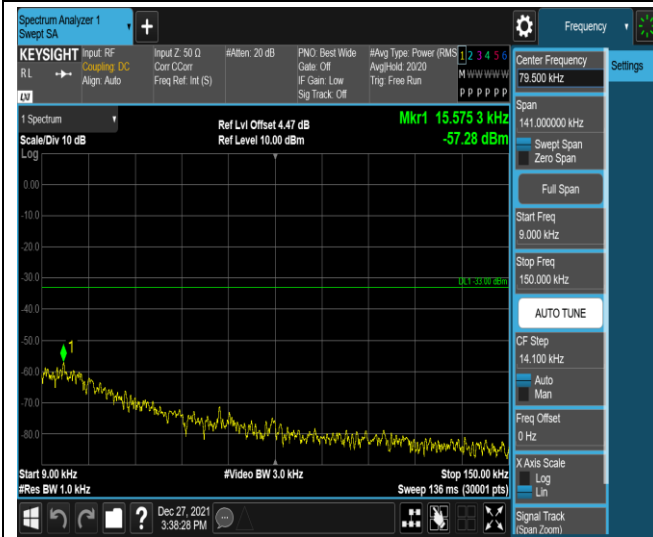
Band5-4183-30~1000MHz

Band5-4183-1000~10000MHz



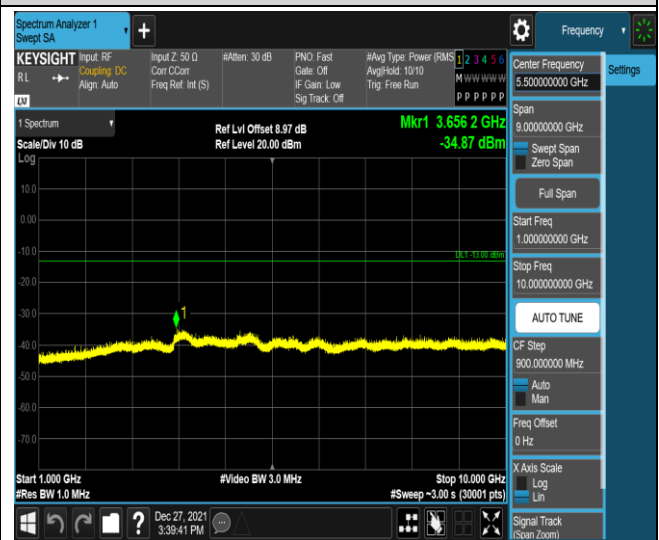
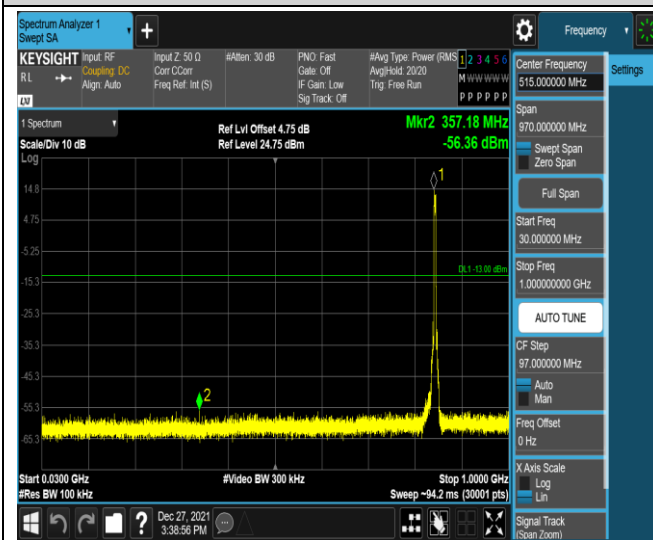
Band5-4233-0.009~0.15MHz

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		
3.87	-30	-8.86	-0.004713	Within authorized band for BAND II	Pass
	-20	-10.41	-0.005537		
	-10	-8.37	-0.004452		
	0	-8.27	-0.004399		
	10	-9.92	-0.005277		
	20	-8.75	-0.004654		
	30	-7.15	-0.003803		
	40	-9.31	-0.004952		
	50	-9.09	-0.004835		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-10.79	-0.005739	Within authorized band for BAND II	Pass
	3.87	-13.77	-0.007324		
	4.45	-8.37	-0.004452		
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	-10.51	-0.006066	Within authorized band for BAND II	Pass
	-20	-10.76	-0.00621		
	-10	-9.66	-0.005575		
	0	-11.97	-0.006909		
	10	-14.2	-0.008196		
	20	-14.05	-0.008109		
	30	-15.16	-0.00875		
	40	-7.48	-0.004317		
	50	-7.89	-0.004554		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-14.53	-0.008386	Within authorized band for BAND II	Pass
	3.87	-14.46	-0.008346		
	4.45	-11.37	-0.006562		
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		
3.87	-30	-9.59	-0.011463	±2.5	Pass
	-20	-11.07	-0.013232		
	-10	-11.91	-0.014236		
	0	-12.71	-0.015192		
	10	-11.67	-0.013949		
	20	-13.34	-0.015945		
	30	-13.81	-0.016507		
	40	-8.86	-0.01059		
	50	-12.08	-0.014439		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-9.27	-0.011081	±2.5	Pass
	3.87	-11.22	-0.013411		
	4.45	-9.16	-0.010949		
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

