

Appendix Test Data

Report No.:	18220WC30108905	Test Sample No.:	1-2-2
Start Test Date:	2023.6.2	Finish Test Date:	2023.6.9
Test Engineer:	Rock Luo	Auditor:	Edward Pan
Temperature:	24.3℃	Relative Humidity:	57 %
Pressure:	1012 hPa		

Appendix A: Conducted Output Power

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	21.76	38.45	PASS
Band5	4182	22.14	38.45	PASS
Band5	4233	22.43	38.45	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	1	20.73	38.5	PASS
Band5	4132	2	20.21	38.5	PASS
Band5	4132	3	20.20	38.5	PASS
Band5	4132	4	20.23	38.5	PASS
Band5	4182	1	20.81	38.5	PASS
Band5	4182	2	20.33	38.5	PASS
Band5	4182	3	20.27	38.5	PASS
Band5	4182	4	20.41	38.5	PASS
Band5	4233	1	20.82	38.5	PASS
Band5	4233	2	20.33	38.5	PASS
Band5	4233	3	20.38	38.5	PASS
Band5	4233	4	20.48	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	1	18.75	38.5	PASS
Band5	4132	2	19.32	38.5	PASS
Band5	4132	3	19.84	38.5	PASS
Band5	4132	4	18.86	38.5	PASS

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Band5	4132	5	20.74	38.5	PASS
Band5	4182	1	19.11	38.5	PASS
Band5	4182	2	19.68	38.5	PASS
Band5	4182	3	20.21	38.5	PASS
Band5	4182	4	19.21	38.5	PASS
Band5	4182	5	21.11	38.5	PASS
Band5	4233	1	19.46	38.5	PASS
Band5	4233	2	20.00	38.5	PASS
Band5	4233	3	20.53	38.5	PASS
Band5	4233	4	19.53	38.5	PASS
Band5	4233	5	21.42	38.5	PASS

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Appendix B: Peak-to-Average Ratio

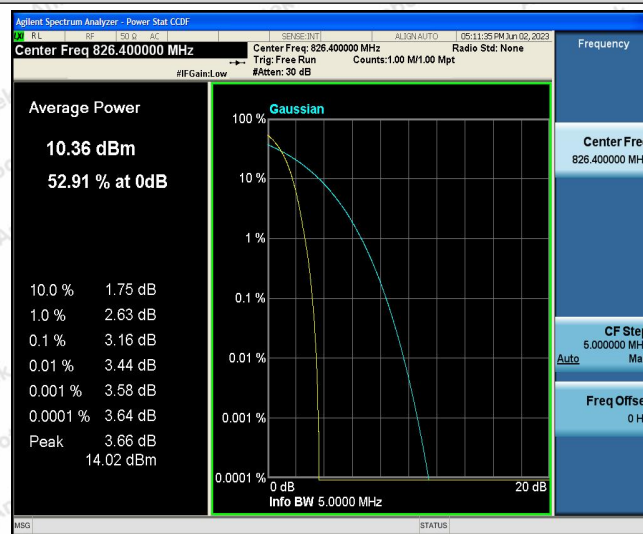
Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band5	4132	3.16	13	PASS
Band5	4182	2.65	13	PASS
Band5	4233	3.1	13	PASS

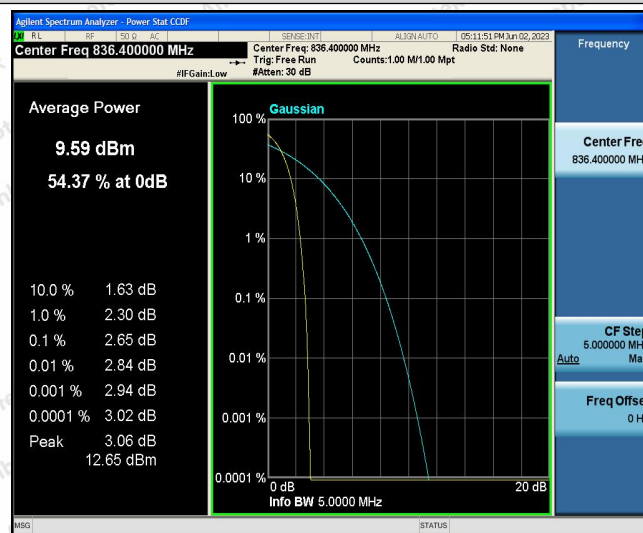


Test Graphs

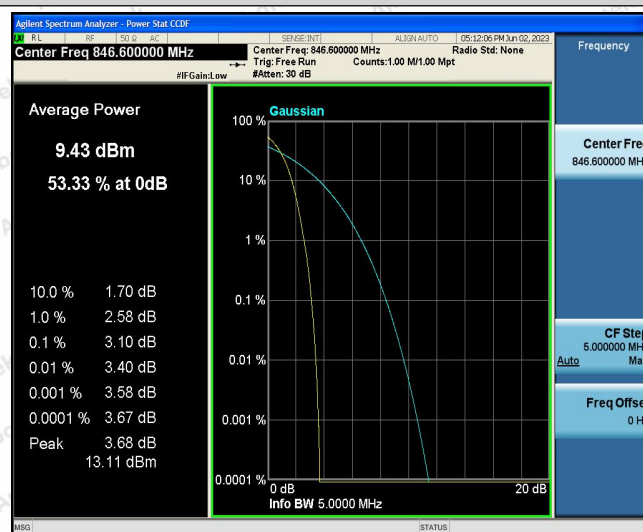
Band5-4132



Band5-4182



Band5-4233



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Appendix C: 26dB Bandwidth and Occupied Bandwidth

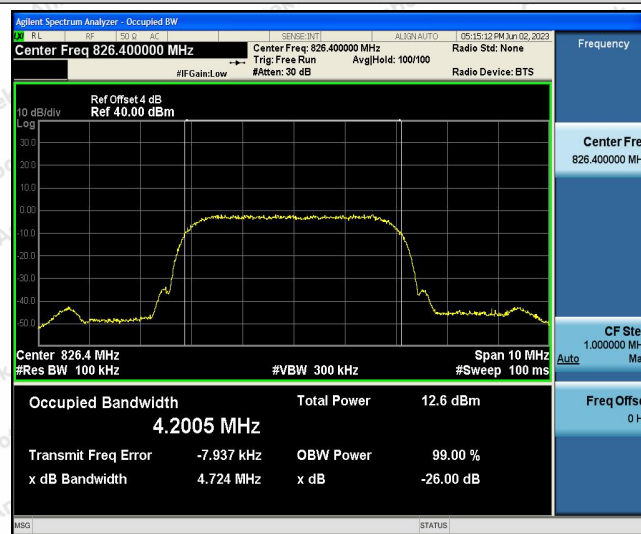
Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band5	4132	4.2005	4.724	---	PASS
Band5	4182	4.2026	4.746	---	PASS
Band5	4233	4.1831	4.712	---	PASS

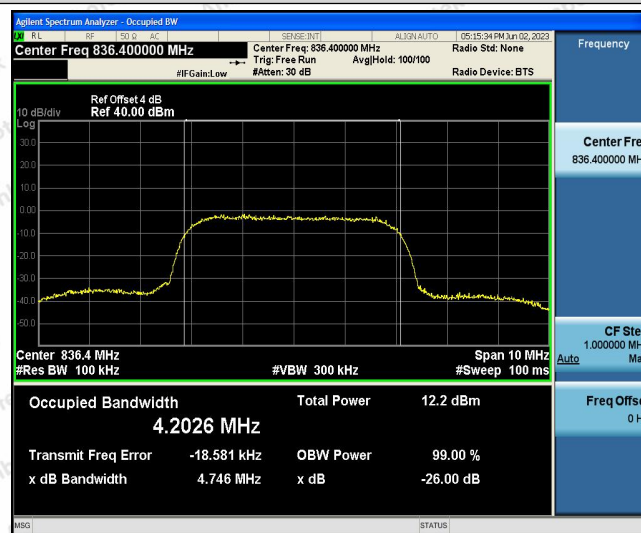


Test Graphs

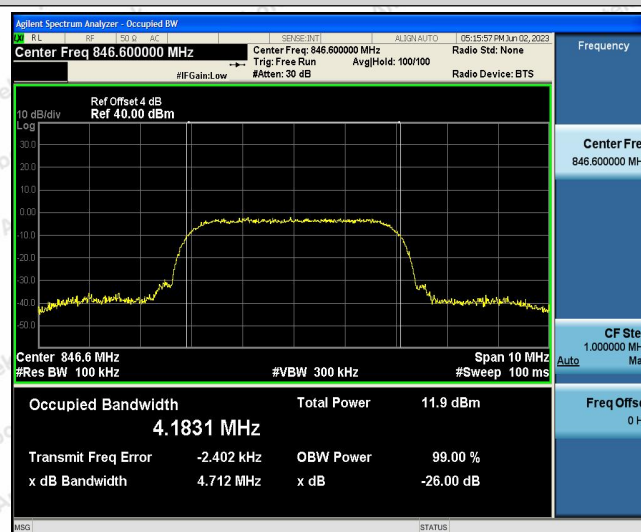
Band5-4132



Band5-4182



Band5-4233



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Appendix D: Band Edge

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	823.87	-31.02	-13	PASS
Band5	4233	849.07	-34.30	-13	PASS

Test Graphs



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Appendix E: Conducted Spurious Emission

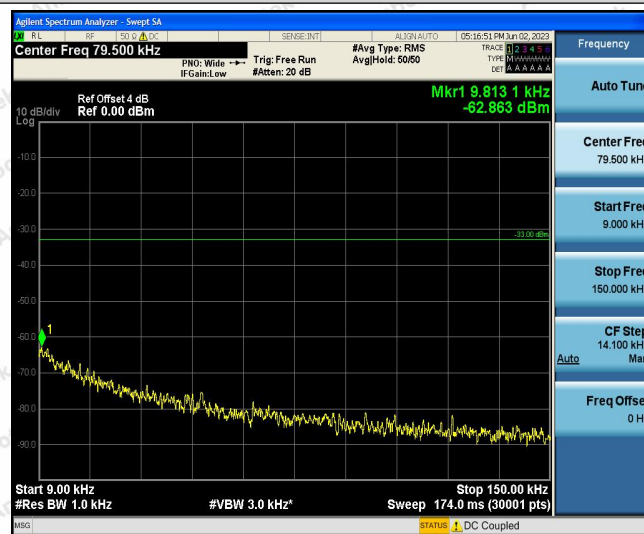
Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	0.009~0.15MHz	0.01	-62.86	-33	PASS
Band5	4132	0.15~30MHz	0.28	-53.93	-13	PASS
Band5	4132	30~1000MHz	698.72	-51.94	-13	PASS
Band5	4132	1000~3000MHz	2476.13	-44.61	-13	PASS
Band5	4132	3000~10000MHz	5604	-62.64	-13	PASS
Band5	4132	10000~18000MHz	16229.87	-58.74	-13	PASS
Band5	4182	0.009~0.15MHz	0.01	-62.27	-33	PASS
Band5	4182	0.15~30MHz	0.34	-56.08	-13	PASS
Band5	4182	30~1000MHz	695.91	-51.06	-13	PASS
Band5	4182	1000~3000MHz	2506.2	-43.6	-13	PASS
Band5	4182	3000~10000MHz	5519.07	-62.54	-13	PASS
Band5	4182	10000~18000MHz	16324.53	-58.75	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-61.59	-33	PASS
Band5	4233	0.15~30MHz	2.47	-56.26	-13	PASS
Band5	4233	30~1000MHz	704.34	-51.72	-13	PASS
Band5	4233	1000~3000MHz	2542.93	-45.12	-13	PASS
Band5	4233	3000~10000MHz	5617.3	-62.41	-13	PASS
Band5	4233	10000~18000MHz	16248.27	-58.76	-13	PASS

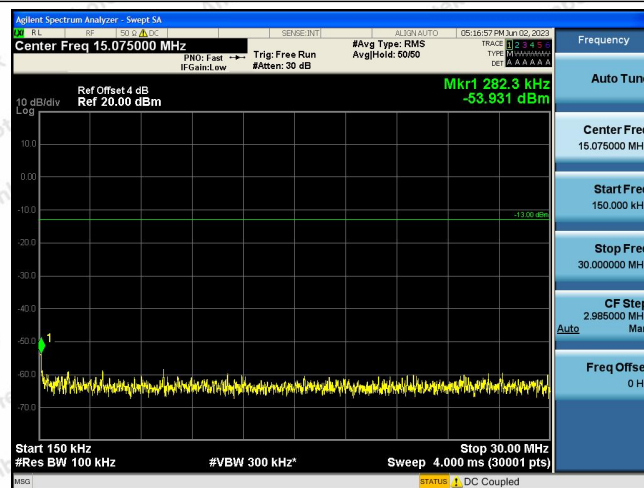


Test Graphs

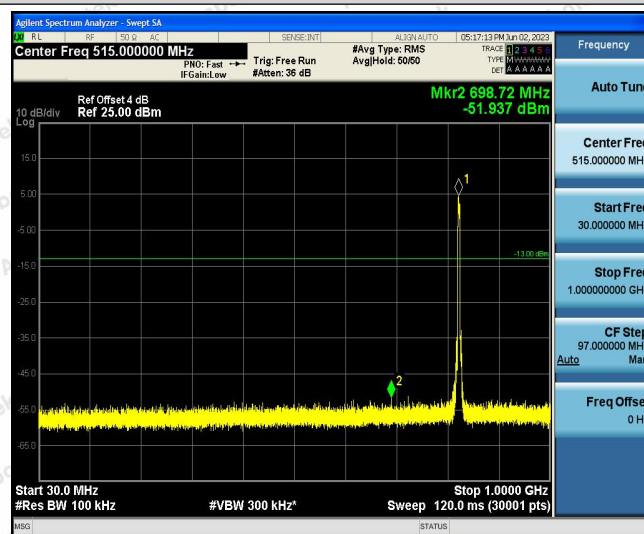
Band5-4132-0.009~0.15MHz



Band5-4132-0.15~30MHz



Band5-4132-30~1000MHz



Band5-4132-1000~3000MHz

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Band5-4132-3000~10000MHz



Band5-4132-10000~18000MHz



Band5-4182-0.009~0.15MHz

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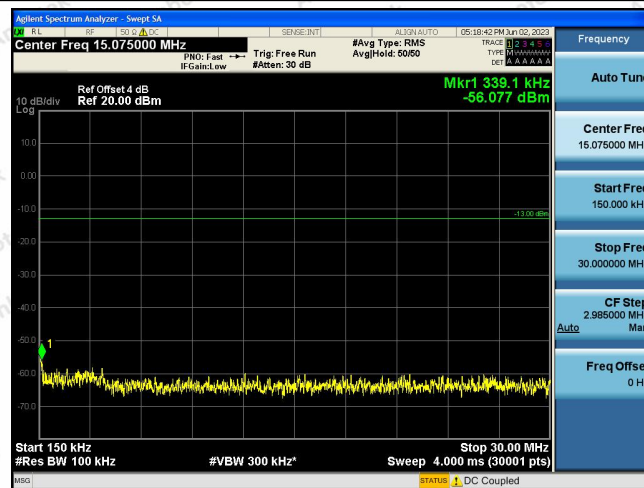


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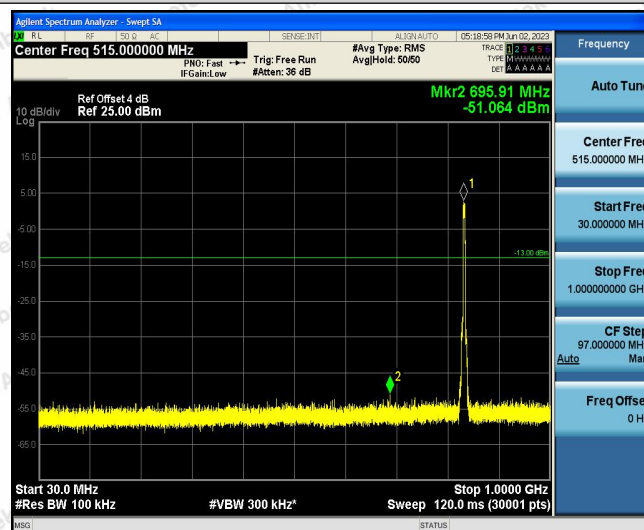




Band5-4182-0.15~30MHz



Band5-4182-30~1000MHz



Band5-4182-1000~3000MHz

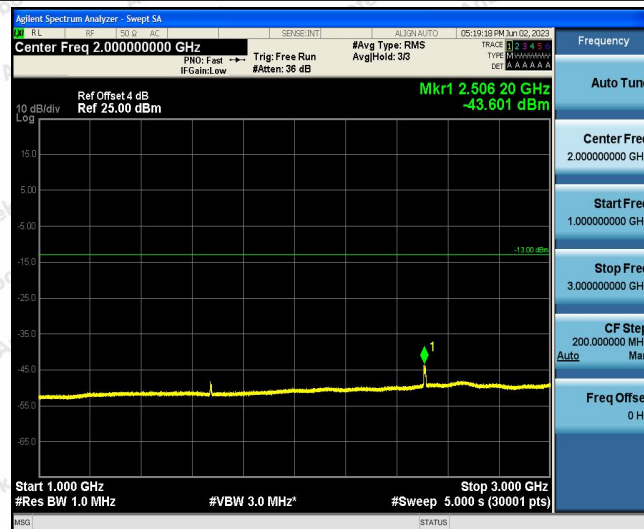
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Band5-4182-3000~10000MHz



Band5-4182-10000~18000MHz



Band5-4233-0.009~0.15MHz

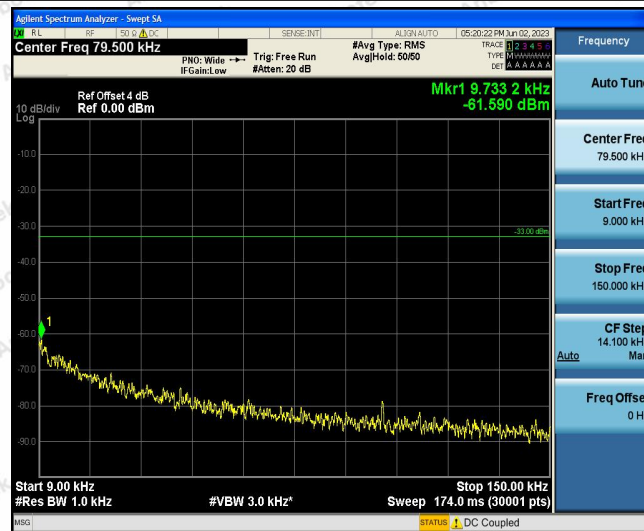
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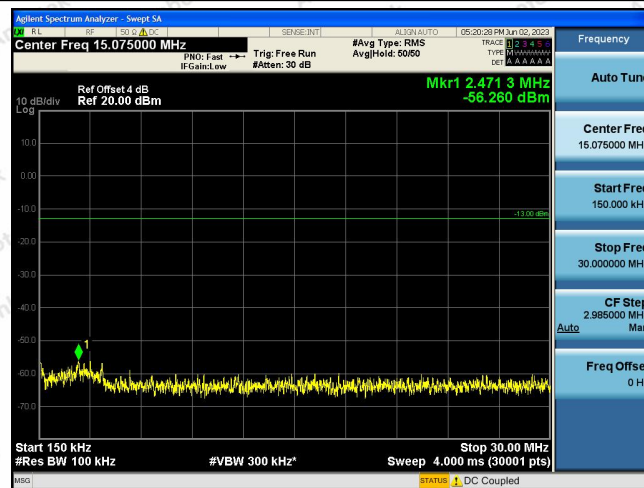


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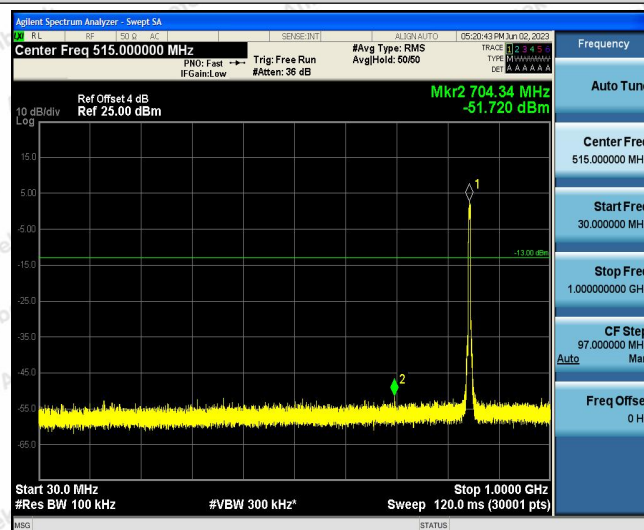




Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz



Band5-4233-1000~3000MHz

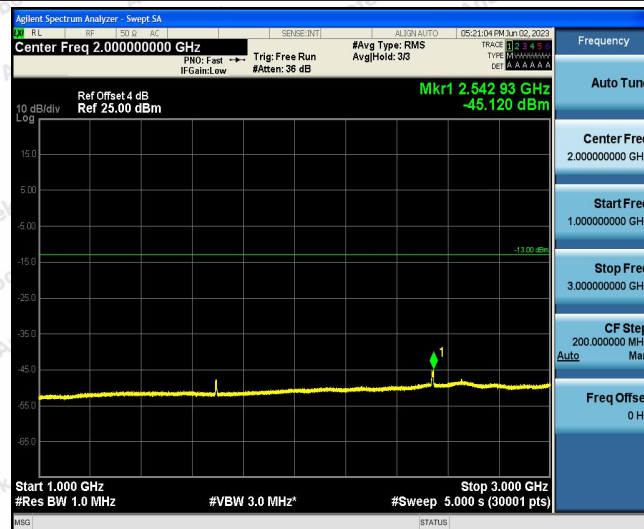
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Band5-4233-3000~10000MHz



Band5-4233-10000~18000MHz



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Appendix F: Frequency Stability VS Voltage measurement

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	VL	NT	-8.87	-0.010733	±2.5	PASS
Band5	4132	VN	NT	-13.39	-0.016203	±2.5	PASS
Band5	4132	VH	NT	-11.84	-0.014327	±2.5	PASS
Band5	4182	VL	NT	-2.47	-0.002953	±2.5	PASS
Band5	4182	VN	NT	-7.33	-0.008764	±2.5	PASS
Band5	4182	VH	NT	-5.86	-0.007006	±2.5	PASS
Band5	4233	VL	NT	-10.26	-0.012119	±2.5	PASS
Band5	4233	VN	NT	-4.73	-0.005587	±2.5	PASS
Band5	4233	VH	NT	-6.59	-0.007784	±2.5	PASS



Appendix G: Frequency Stability VS Temperature measurement

Test Result

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	NV	-30	-9.97	-0.012064	±2.5	PASS
Band5	4132	NV	-20	-3.35	-0.004054	±2.5	PASS
Band5	4132	NV	0	-12.16	-0.014714	±2.5	PASS
Band5	4132	NV	10	-7.68	-0.009293	±2.5	PASS
Band5	4132	NV	20	-6.37	-0.007708	±2.5	PASS
Band5	4182	NV	-30	-9.70	-0.011597	±2.5	PASS
Band5	4182	NV	-20	-2.56	-0.003061	±2.5	PASS
Band5	4182	NV	0	-6.51	-0.007783	±2.5	PASS
Band5	4182	NV	10	-1.90	-0.002272	±2.5	PASS
Band5	4182	NV	20	-5.71	-0.006827	±2.5	PASS
Band5	4233	NV	-30	-13.65	-0.016123	±2.5	PASS
Band5	4233	NV	-20	-6.33	-0.007477	±2.5	PASS
Band5	4233	NV	0	-4.72	-0.005575	±2.5	PASS
Band5	4233	NV	10	-4.67	-0.005516	±2.5	PASS
Band5	4233	NV	20	-6.23	-0.007359	±2.5	PASS



Appendix H: Modulation Characteristics

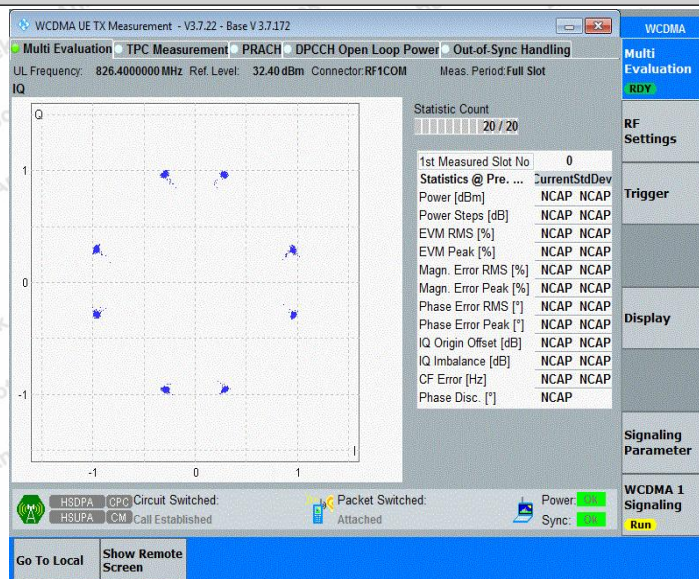
Test Result

Band	Channel	Result	Verdict
Band5	4132	PASS	PASS
Band5	4182	PASS	PASS
Band5	4233	PASS	PASS

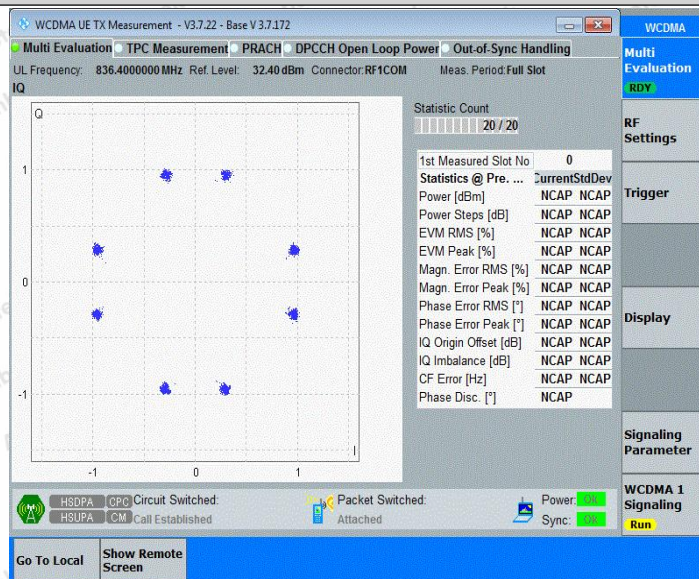


Test Graphs

Band5-4132

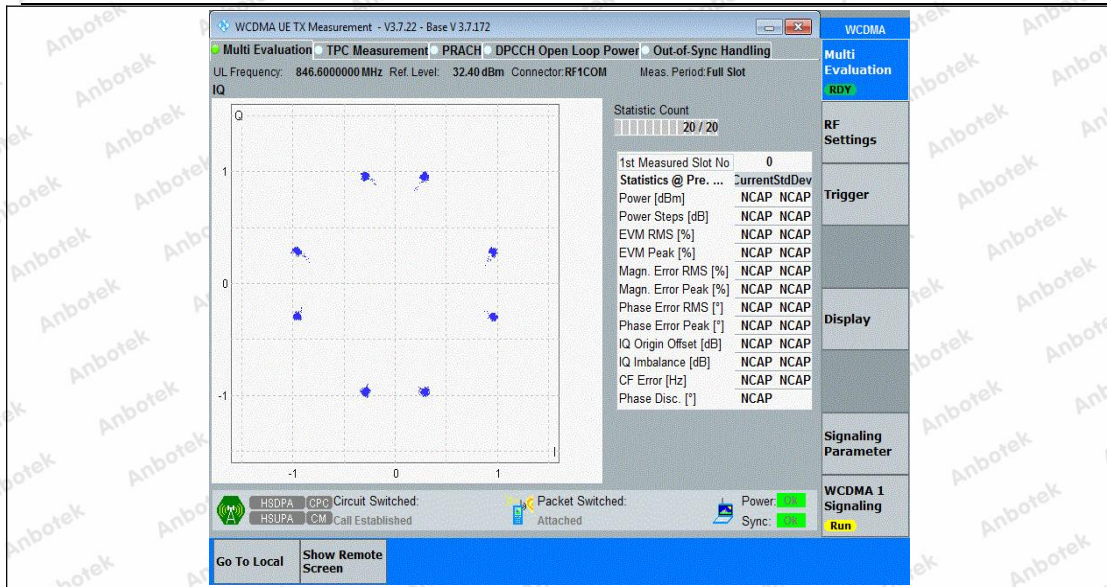


Band5-4182



Band5-4233





---END---

