

## Appendix\_H

### RF Test Data for LTE\_Band13 Conducted Measurement

FCC ID:2A7DX-FLAT1

Product Name:Smart phone

Test Model:FLAT 1C

#### Environmental Conditions

Temperature:	21℃
Relative Humidity:	51%
ATM Pressure:	101Kpa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen

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## Appendix A: Effective (Isotropic) Radiated Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Output Power (dBm)	E.R.P. (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	22.38	18.94	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.31	18.87	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.29	18.85	PASS
Band13	5MHz	QPSK	23205	12RB#0	21.45	18.01	PASS
Band13	5MHz	QPSK	23205	12RB#6	21.46	18.02	PASS
Band13	5MHz	QPSK	23205	12RB#13	21.73	18.29	PASS
Band13	5MHz	QPSK	23205	25RB#0	21.68	18.24	PASS
Band13	5MHz	QPSK	23230	1RB#0	22.24	18.8	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.24	18.8	PASS
Band13	5MHz	QPSK	23230	1RB#24	22.33	18.89	PASS
Band13	5MHz	QPSK	23230	12RB#0	21.59	18.15	PASS
Band13	5MHz	QPSK	23230	12RB#6	21.59	18.15	PASS
Band13	5MHz	QPSK	23230	12RB#13	21.37	17.93	PASS
Band13	5MHz	QPSK	23230	25RB#0	21.64	18.2	PASS
Band13	5MHz	QPSK	23255	1RB#0	22.27	18.83	PASS
Band13	5MHz	QPSK	23255	1RB#12	22.42	18.98	PASS
Band13	5MHz	QPSK	23255	1RB#24	22.45	19.01	PASS
Band13	5MHz	QPSK	23255	12RB#0	21.37	17.93	PASS
Band13	5MHz	QPSK	23255	12RB#6	21.37	17.93	PASS
Band13	5MHz	QPSK	23255	12RB#13	21.70	18.26	PASS
Band13	5MHz	QPSK	23255	25RB#0	21.42	17.98	PASS
Band13	5MHz	16QAM	23205	1RB#0	20.78	17.34	PASS
Band13	5MHz	16QAM	23205	1RB#12	21.01	17.57	PASS
Band13	5MHz	16QAM	23205	1RB#24	21.03	17.59	PASS
Band13	5MHz	16QAM	23205	12RB#0	20.84	17.4	PASS
Band13	5MHz	16QAM	23205	12RB#6	20.91	17.47	PASS
Band13	5MHz	16QAM	23205	12RB#13	20.57	17.13	PASS
Band13	5MHz	16QAM	23205	25RB#0	20.69	17.25	PASS
Band13	5MHz	16QAM	23230	1RB#0	20.94	17.5	PASS
Band13	5MHz	16QAM	23230	1RB#12	20.83	17.39	PASS

Band13	5MHz	16QAM	23230	1RB#24	20.68	17.24	PASS
Band13	5MHz	16QAM	23230	12RB#0	20.66	17.22	PASS
Band13	5MHz	16QAM	23230	12RB#6	20.59	17.15	PASS
Band13	5MHz	16QAM	23230	12RB#13	20.71	17.27	PASS
Band13	5MHz	16QAM	23230	25RB#0	20.73	17.29	PASS
Band13	5MHz	16QAM	23255	1RB#0	21.73	18.29	PASS
Band13	5MHz	16QAM	23255	1RB#12	21.36	17.92	PASS
Band13	5MHz	16QAM	23255	1RB#24	21.73	18.29	PASS
Band13	5MHz	16QAM	23255	12RB#0	20.64	17.2	PASS
Band13	5MHz	16QAM	23255	12RB#6	20.75	17.31	PASS
Band13	5MHz	16QAM	23255	12RB#13	20.83	17.39	PASS
Band13	5MHz	16QAM	23255	25RB#0	20.74	17.3	PASS
Band13	10MHz	QPSK	23230	1RB#0	22.13	18.69	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.23	18.79	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.26	18.82	PASS
Band13	10MHz	QPSK	23230	25RB#0	21.43	17.99	PASS
Band13	10MHz	QPSK	23230	25RB#12	21.43	17.99	PASS
Band13	10MHz	QPSK	23230	25RB#25	21.19	17.75	PASS
Band13	10MHz	QPSK	23230	50RB#0	21.52	18.08	PASS
Band13	10MHz	16QAM	23230	1RB#0	21.08	17.64	PASS
Band13	10MHz	16QAM	23230	1RB#24	21.52	18.08	PASS
Band13	10MHz	16QAM	23230	1RB#49	21.39	17.95	PASS
Band13	10MHz	16QAM	23230	25RB#0	20.53	17.09	PASS
Band13	10MHz	16QAM	23230	25RB#12	20.44	17	PASS
Band13	10MHz	16QAM	23230	25RB#25	20.51	17.07	PASS
Band13	10MHz	16QAM	23230	50RB#0	20.44	17	PASS

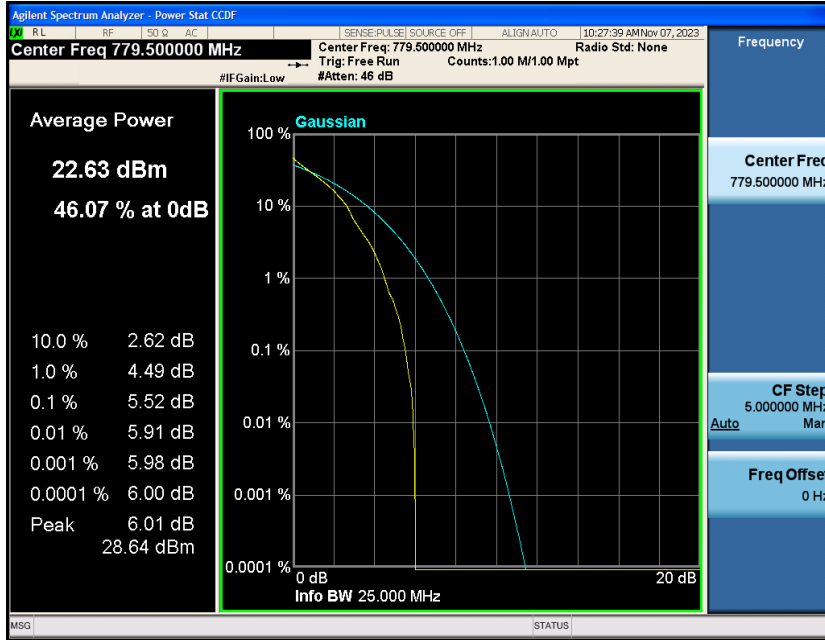
## Appendix B: Peak-to-Average Ratio(CCDF)

### Test Result

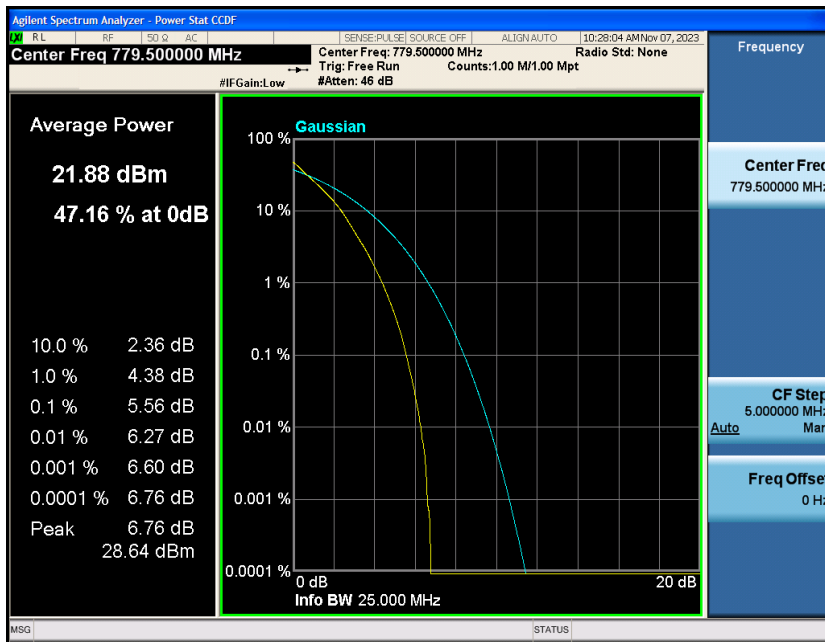
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	5.52	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.56	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	5.95	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.62	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	5.51	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.51	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	6.15	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	6.22	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	6.22	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.31	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	6.03	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.31	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	5.30	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.60	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	6.18	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.32	13	PASS

### Test Graphs

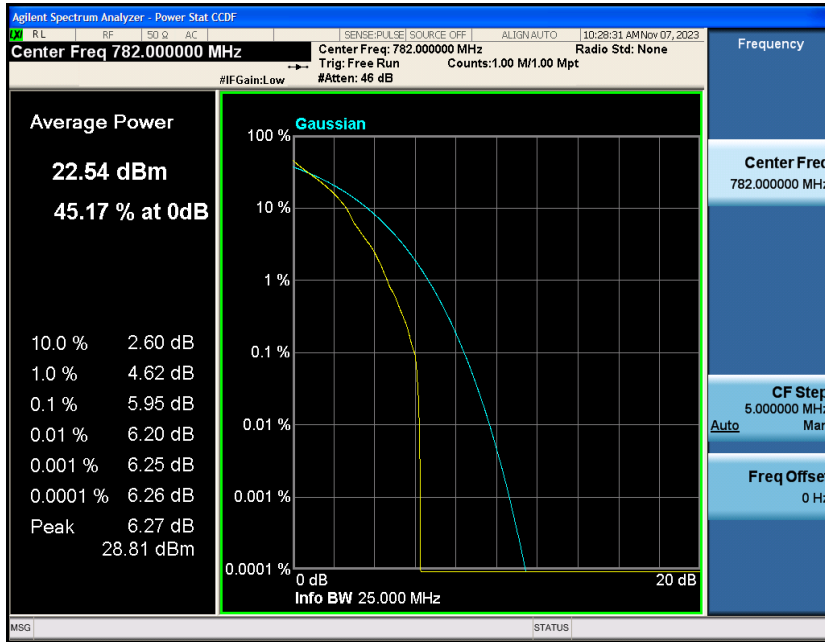
**Band13-5MHz-QPSK-23205-1RB#0**



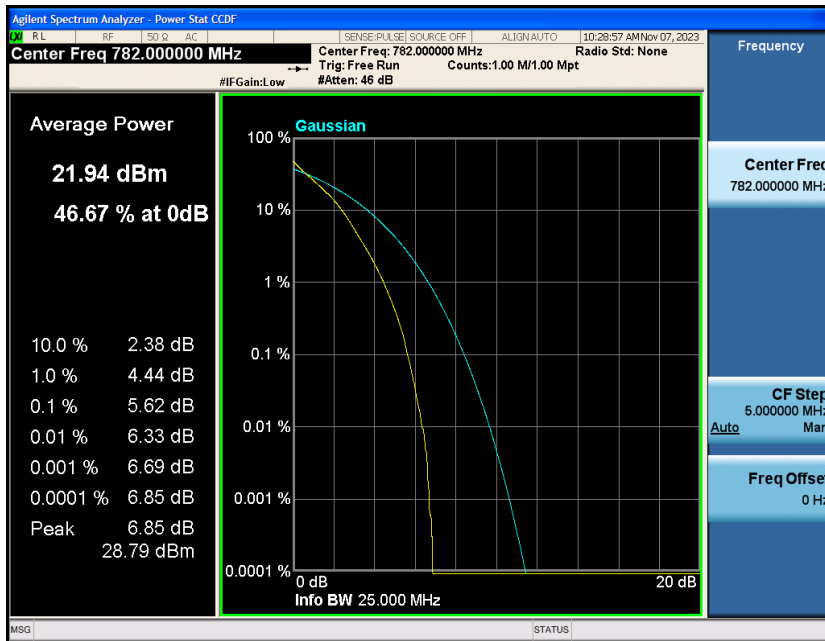
**Band13-5MHz-QPSK-23205-25RB#0**



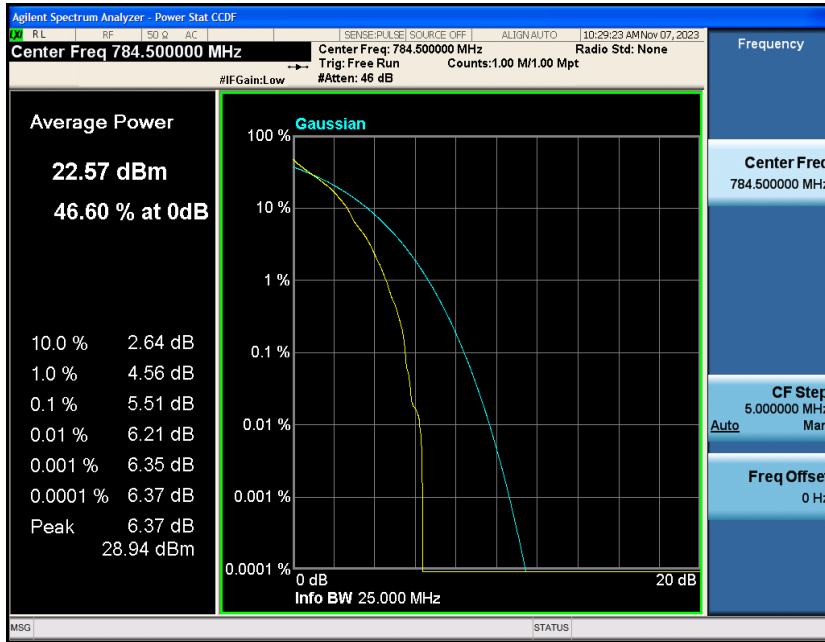
**Band13-5MHz-QPSK-23230-1RB#0**



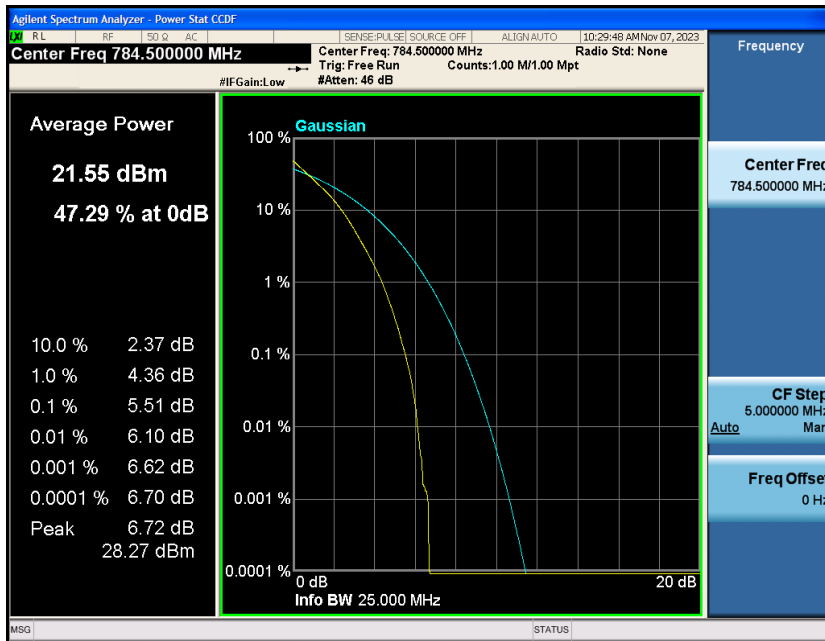
Band13-5MHz-QPSK-23230-25RB#0



Band13-5MHz-QPSK-23255-1RB#0

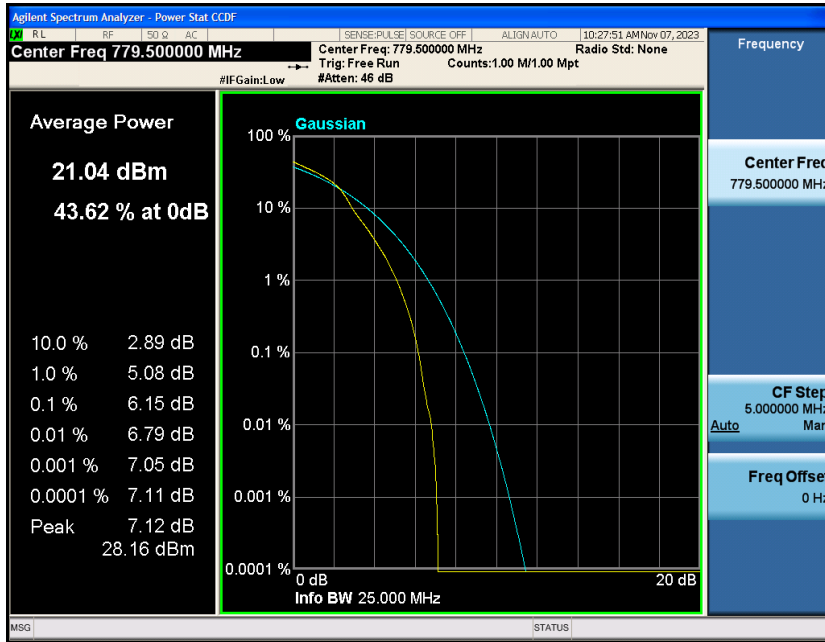


Band13-5MHz-QPSK-23255-25RB#0

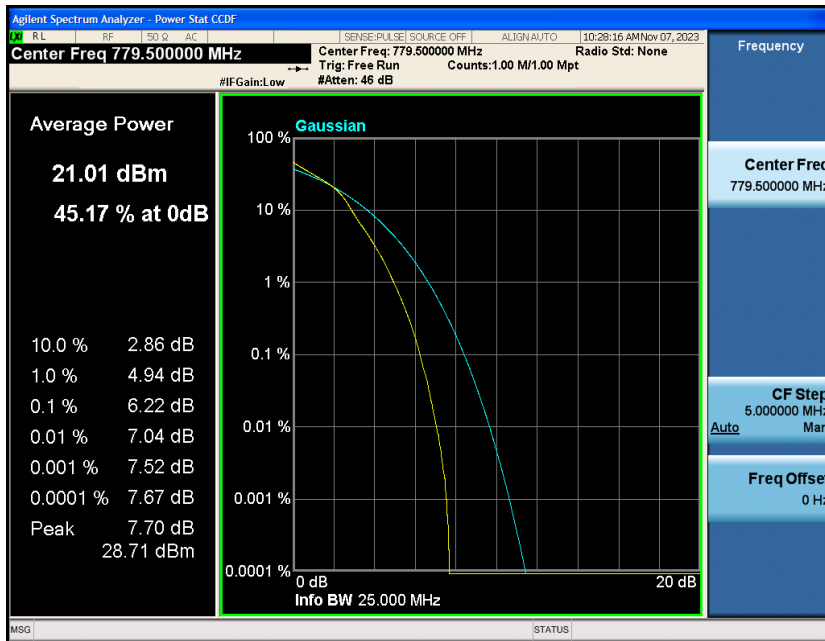


Band13-5MHz-16QAM-23205-1RB#0

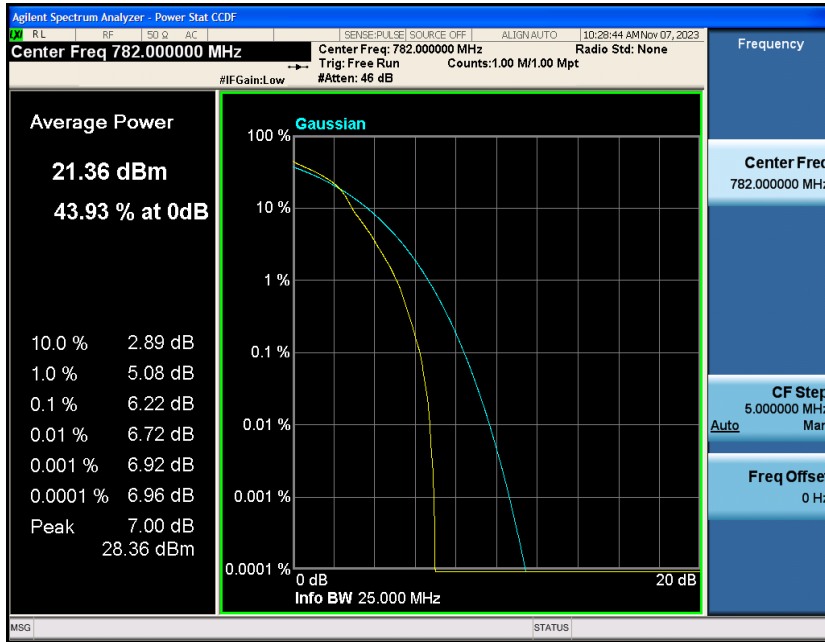




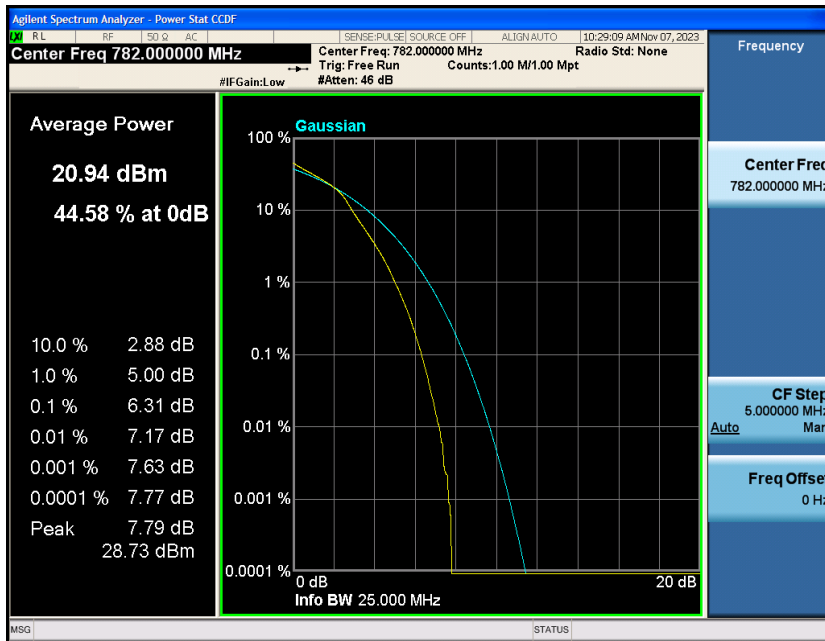
Band13-5MHz-16QAM-23205-25RB#0



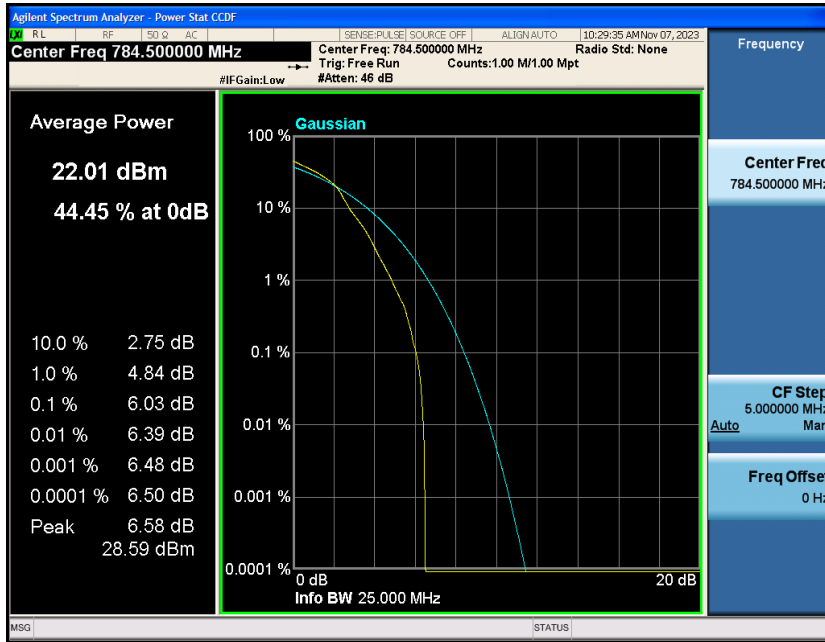
Band13-5MHz-16QAM-23230-1RB#0



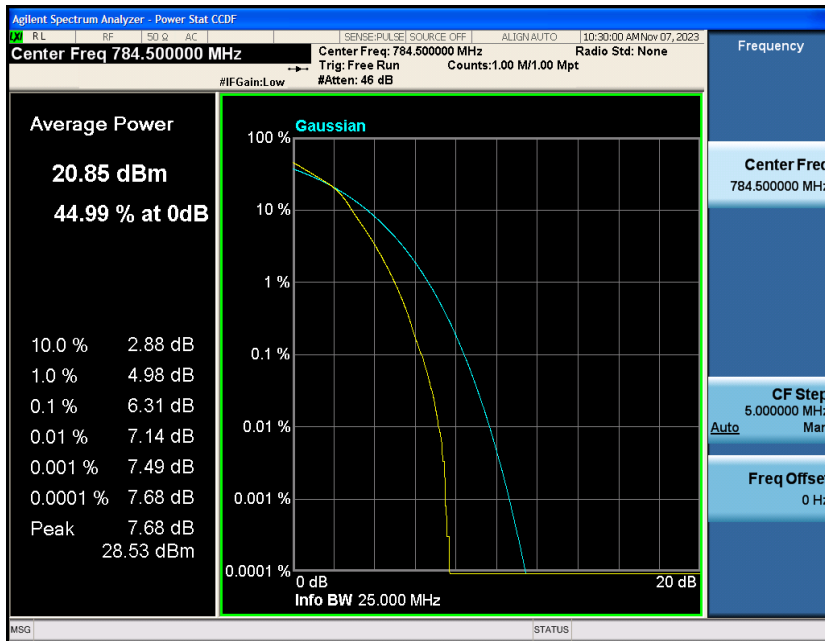
Band13-5MHz-16QAM-23230-25RB#0



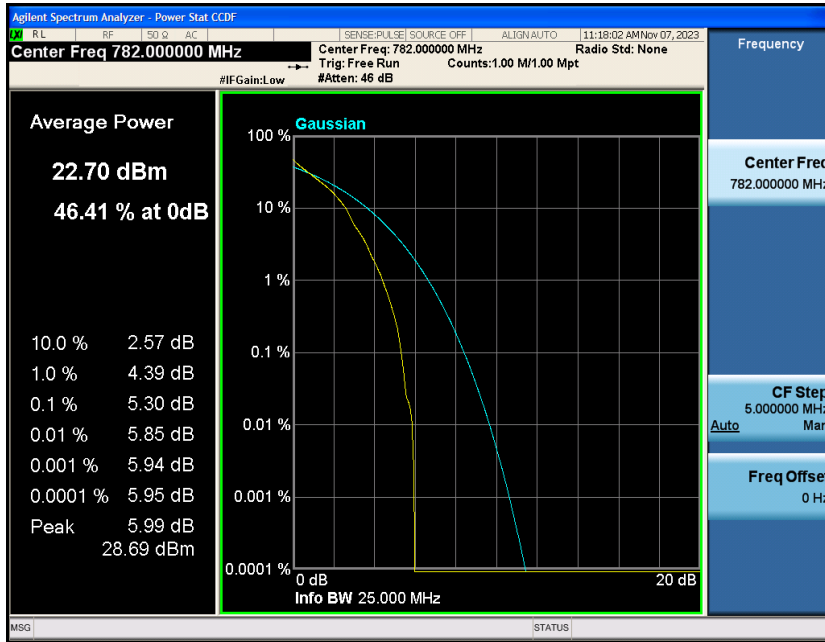
Band13-5MHz-16QAM-23255-1RB#0



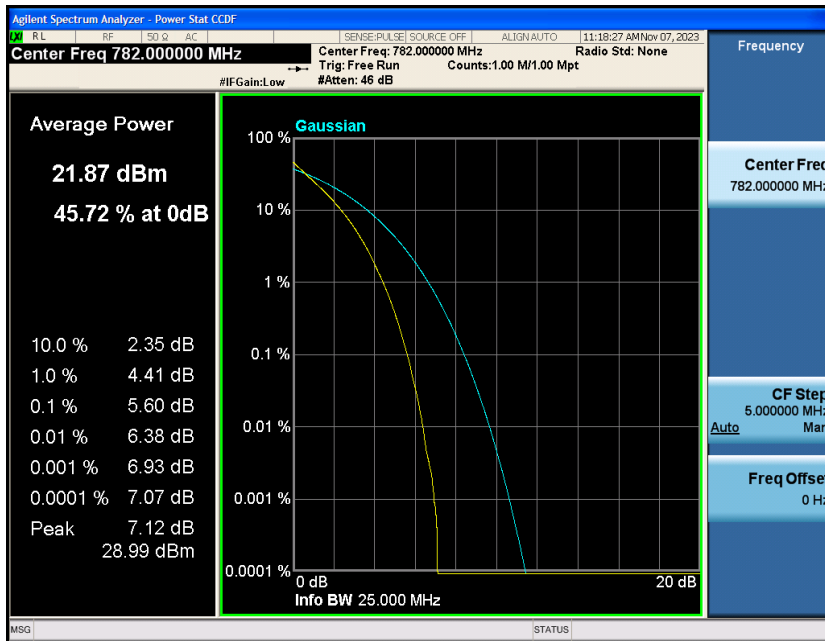
Band13-5MHz-16QAM-23255-25RB#0



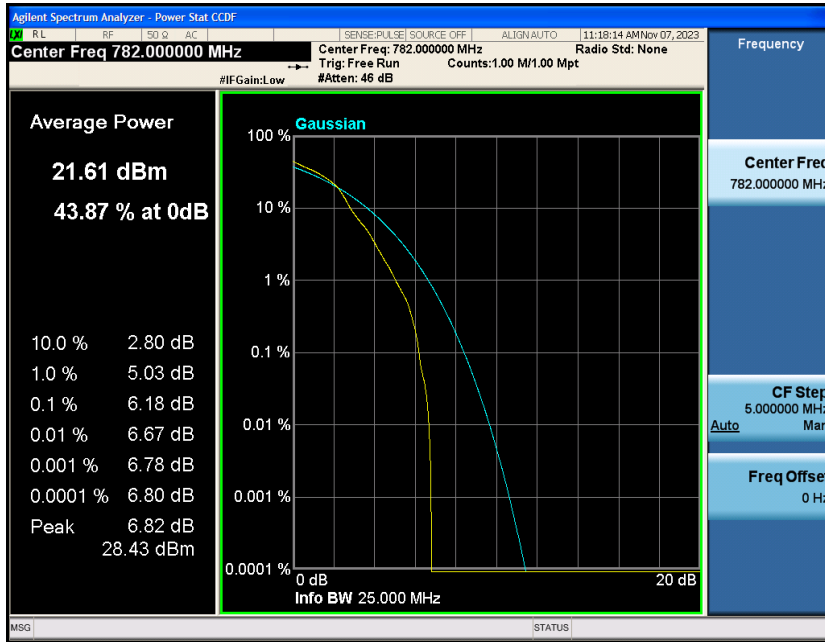
Band13-10MHz-QPSK-23230-1RB#0



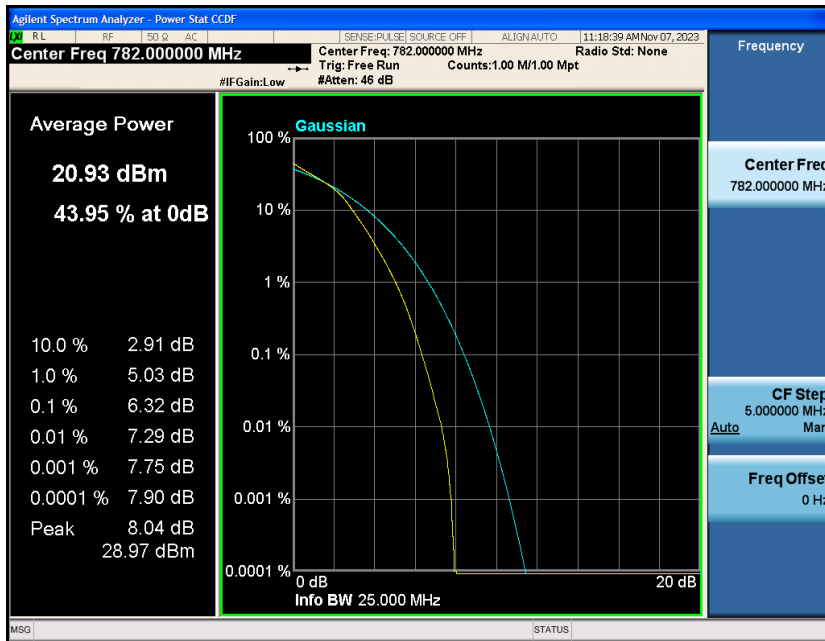
Band13-10MHz-QPSK-23230-50RB#0



Band13-10MHz-16QAM-23230-1RB#0



Band13-10MHz-16QAM-23230-50RB#0

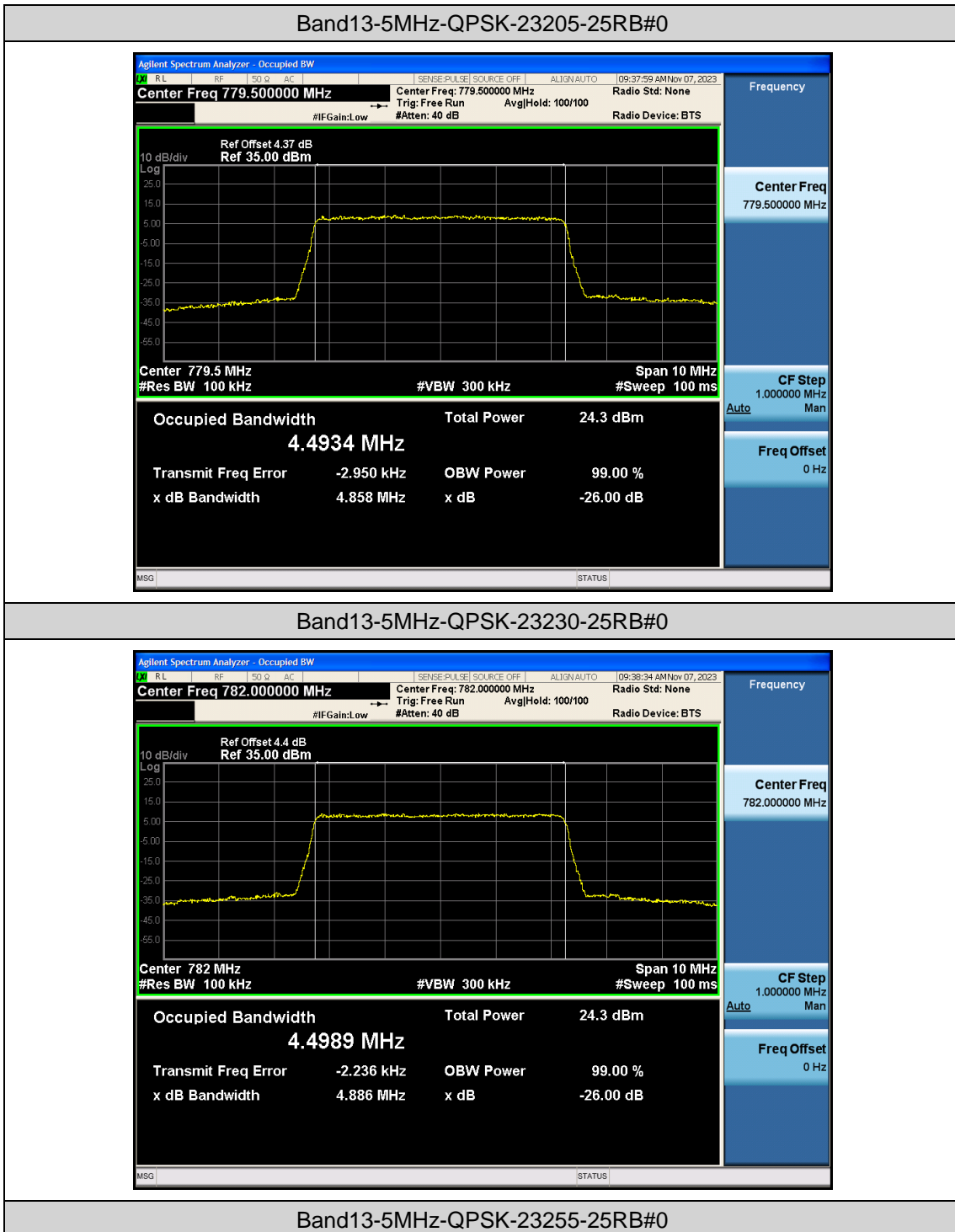


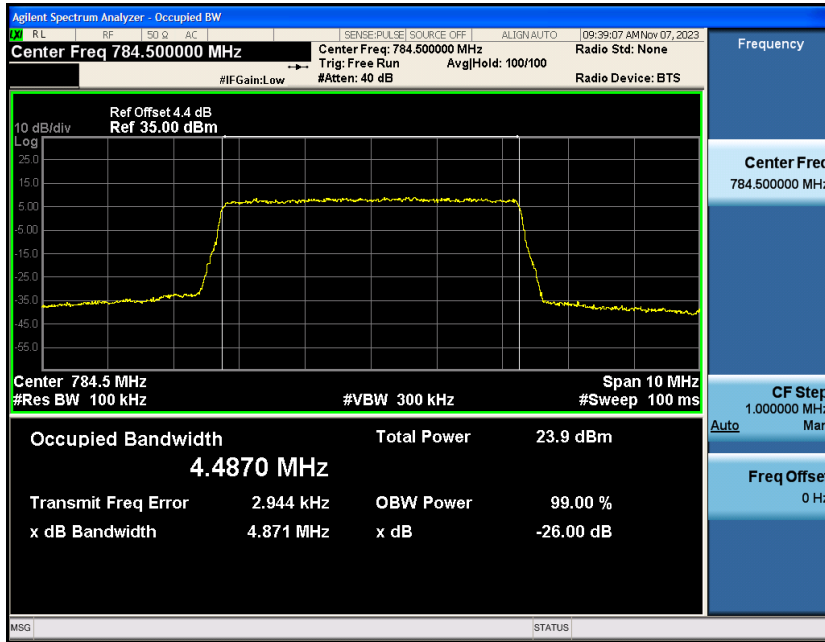
## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

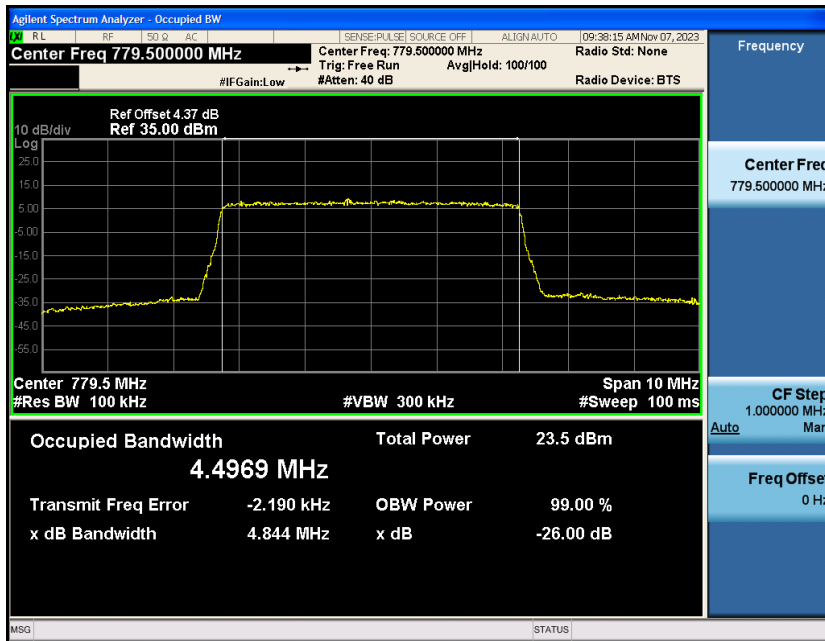
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4934	4.858	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4989	4.886	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4870	4.871	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4969	4.844	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4940	4.877	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4905	4.869	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9770	9.553	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9634	9.552	PASS

### Test Graphs



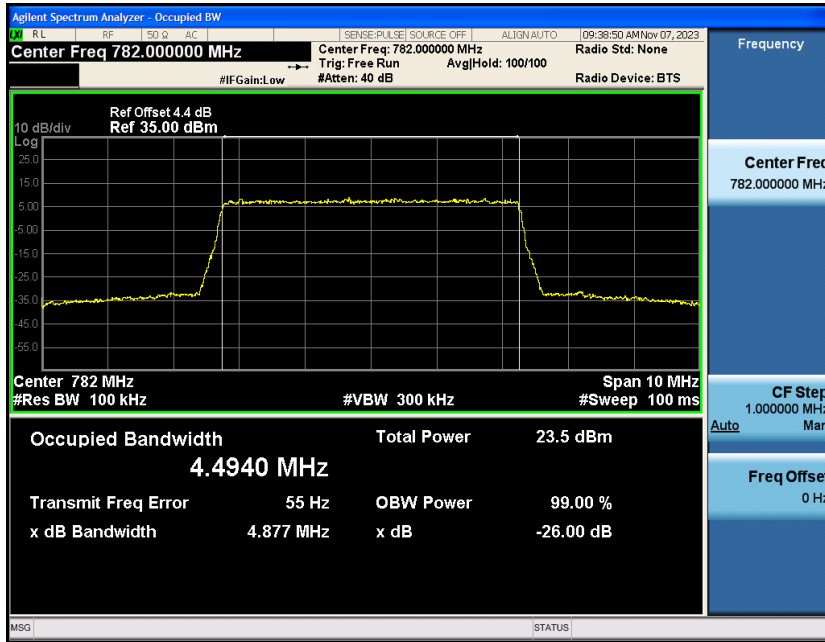


Band13-5MHz-16QAM-23205-25RB#0

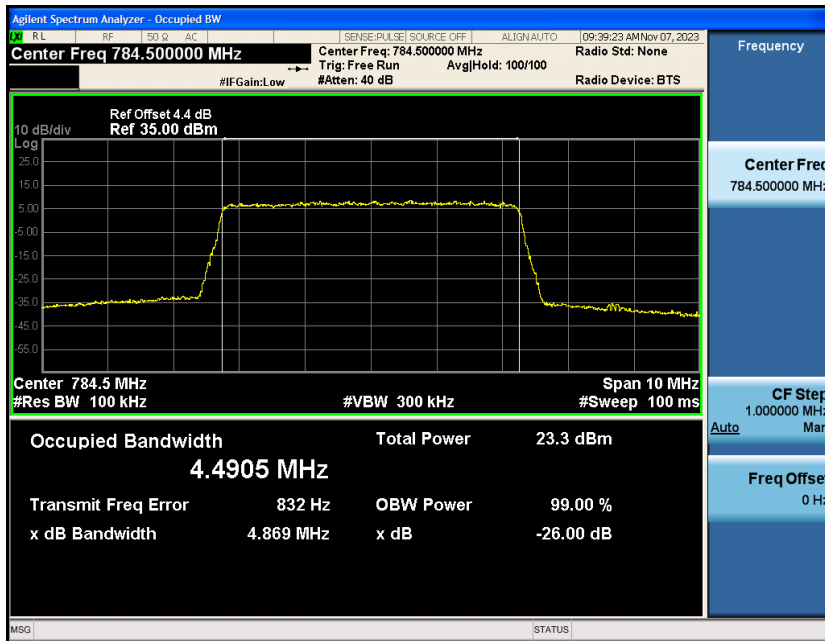


Band13-5MHz-16QAM-23230-25RB#0

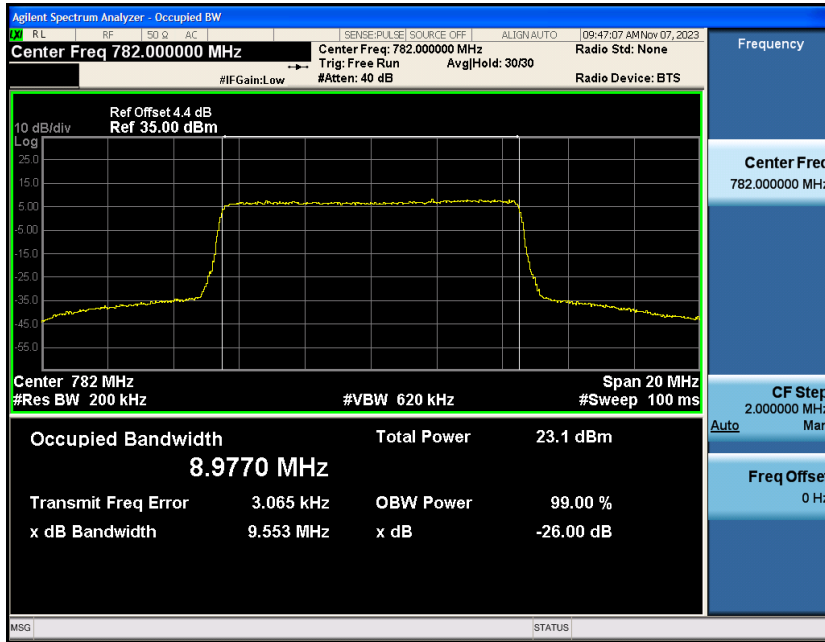




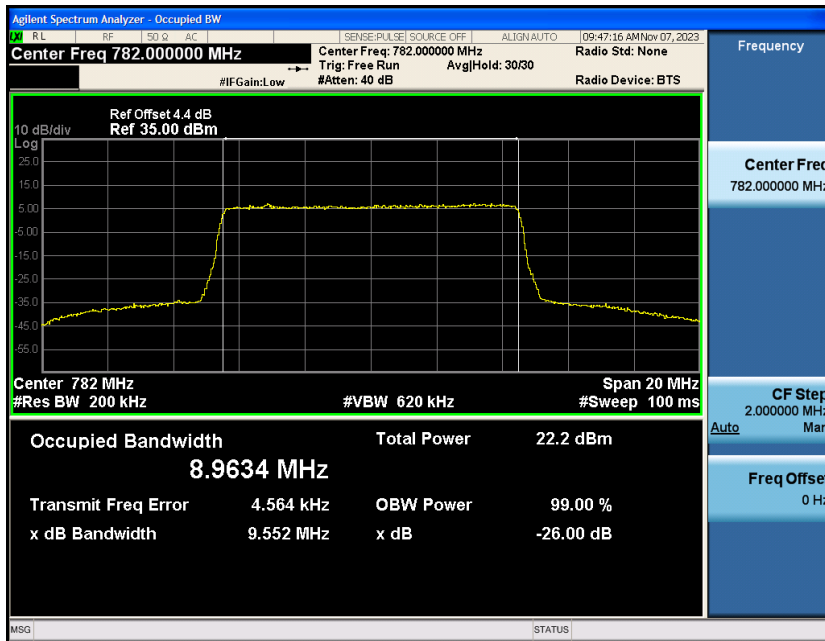
Band13-5MHz-16QAM-23255-25RB#0



Band13-10MHz-QPSK-23230-50RB#0



Band13-10MHz-16QAM-23230-50RB#0



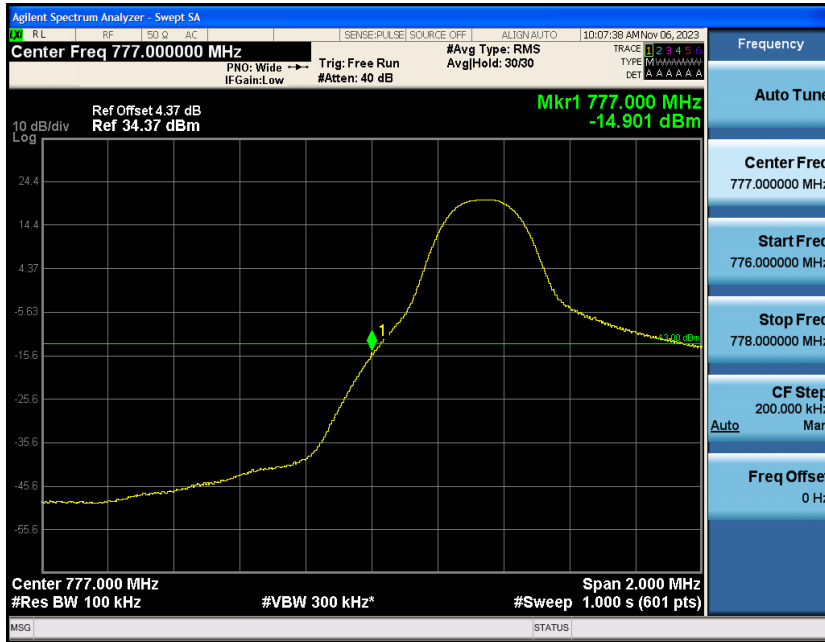
## Appendix D: Band Edge

### Test Result

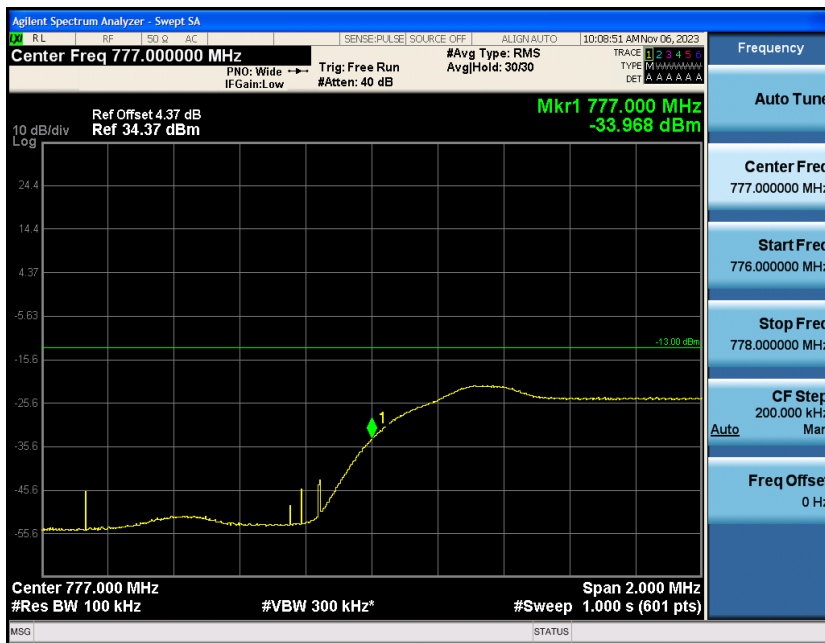
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-14.90	PASS
Band13	5MHz	QPSK	23205	1RB#24	-33.97	PASS
Band13	5MHz	QPSK	23205	25RB#0	-26.24	PASS
Band13	5MHz	QPSK	23255	1RB#0	-34.29	PASS
Band13	5MHz	QPSK	23255	1RB#24	-15.49	PASS
Band13	5MHz	QPSK	23255	25RB#0	-27.57	PASS
Band13	5MHz	16QAM	23205	1RB#0	-16.89	PASS
Band13	5MHz	16QAM	23205	1RB#24	-34.66	PASS
Band13	5MHz	16QAM	23205	25RB#0	-26.97	PASS
Band13	5MHz	16QAM	23255	1RB#0	-34.57	PASS
Band13	5MHz	16QAM	23255	1RB#24	-16.48	PASS
Band13	5MHz	16QAM	23255	25RB#0	-28.07	PASS
Band13	10MHz	QPSK	23230	1RB#0	-18.47,-38.35	PASS
Band13	10MHz	QPSK	23230	1RB#49	-36.94,-19.37	PASS
Band13	10MHz	QPSK	23230	50RB#0	-29.84,-30.20	PASS
Band13	10MHz	16QAM	23230	1RB#0	-19.65,-39.44	PASS
Band13	10MHz	16QAM	23230	1RB#49	-37.59,-19.90	PASS
Band13	10MHz	16QAM	23230	50RB#0	-30.28,-30.56	PASS

### Test Graphs

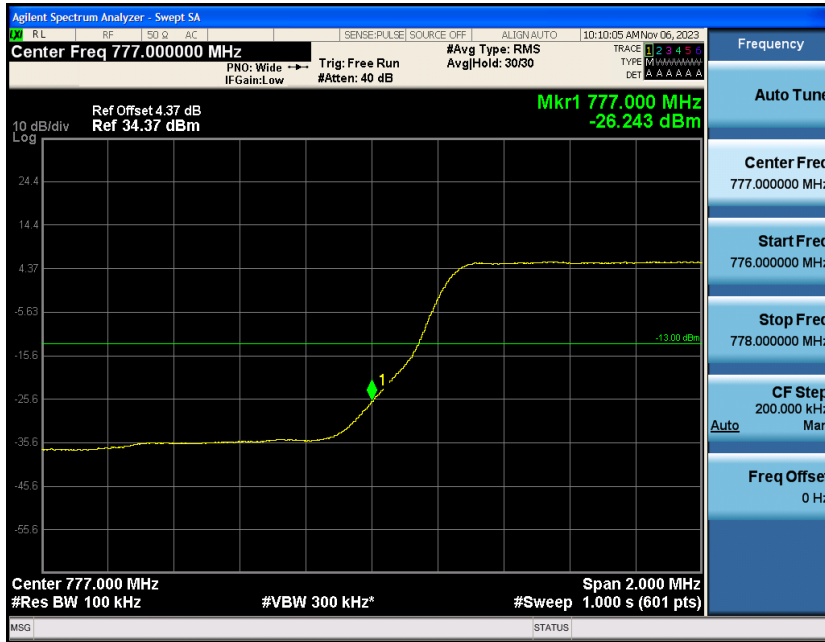
Band13-5MHz-QPSK-23205-1RB#0
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Band13-5MHz-QPSK-23205-1RB#24



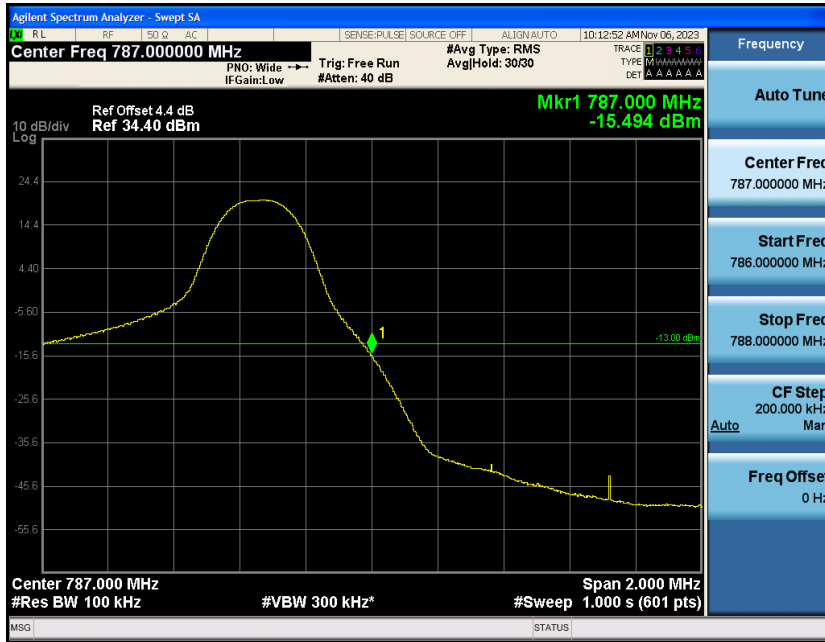
Band13-5MHz-QPSK-23205-25RB#0



Band13-5MHz-QPSK-23255-1RB#0



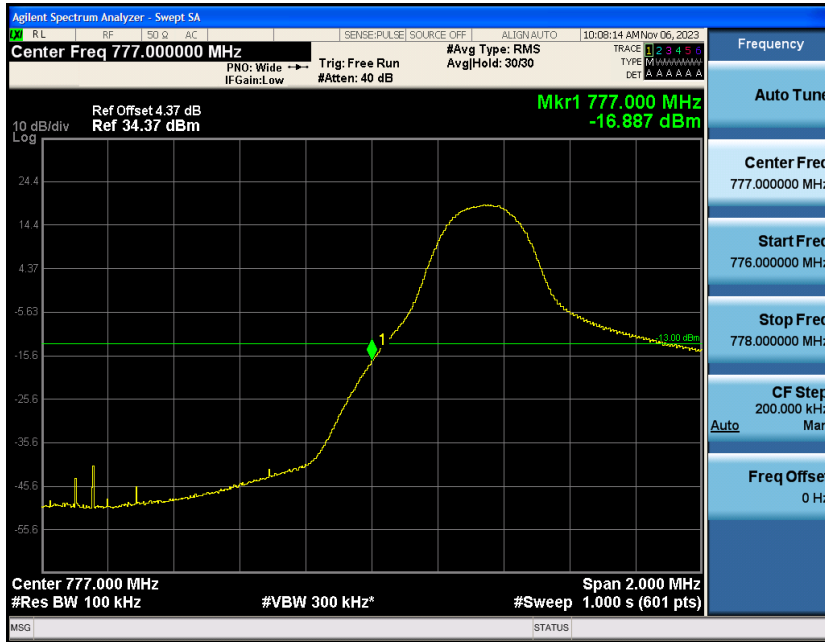
Band13-5MHz-QPSK-23255-1RB#24



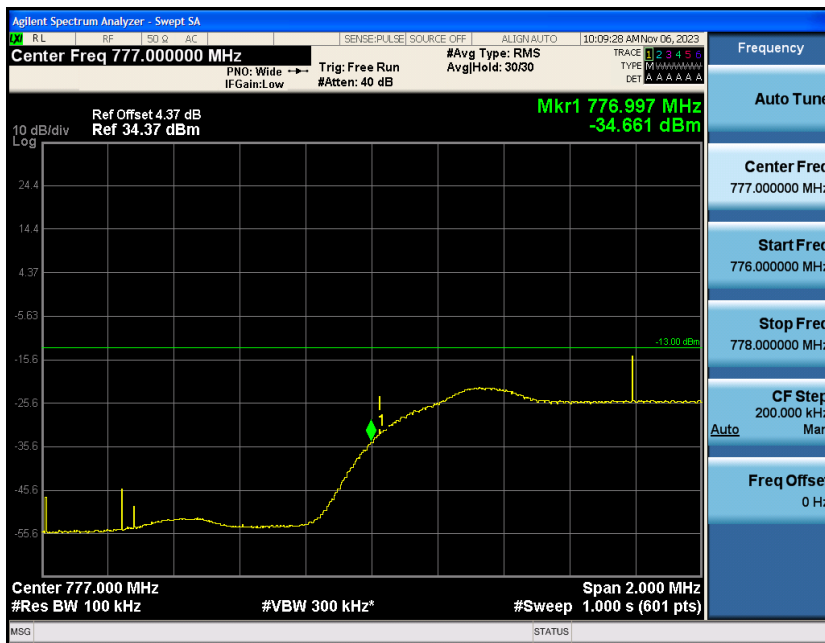
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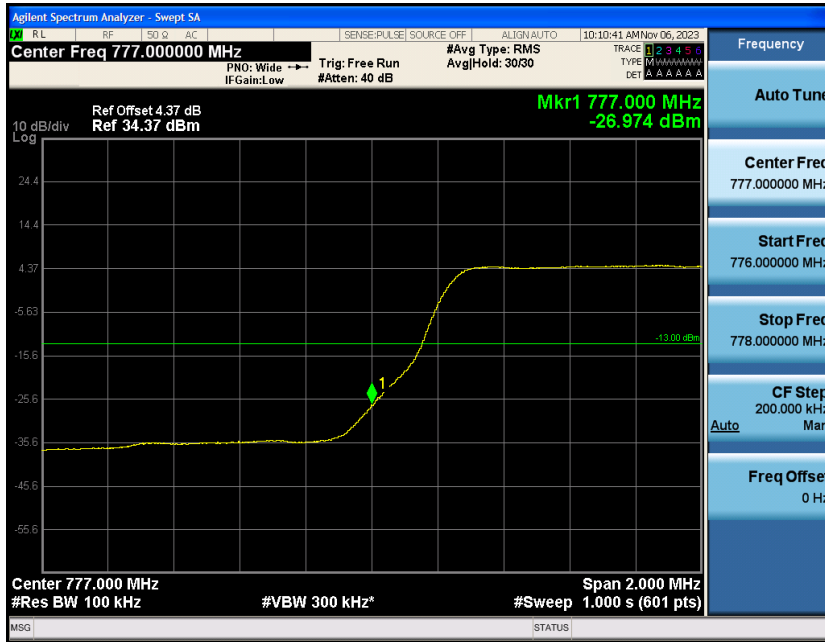
Band13-5MHz-16QAM-23205-1RB#0



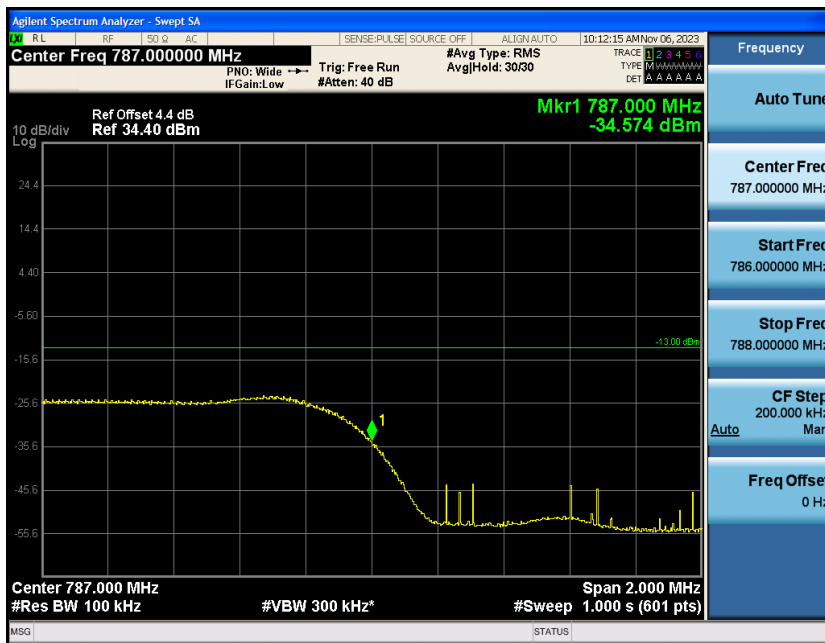
Band13-5MHz-16QAM-23205-1RB#24



Band13-5MHz-16QAM-23205-25RB#0

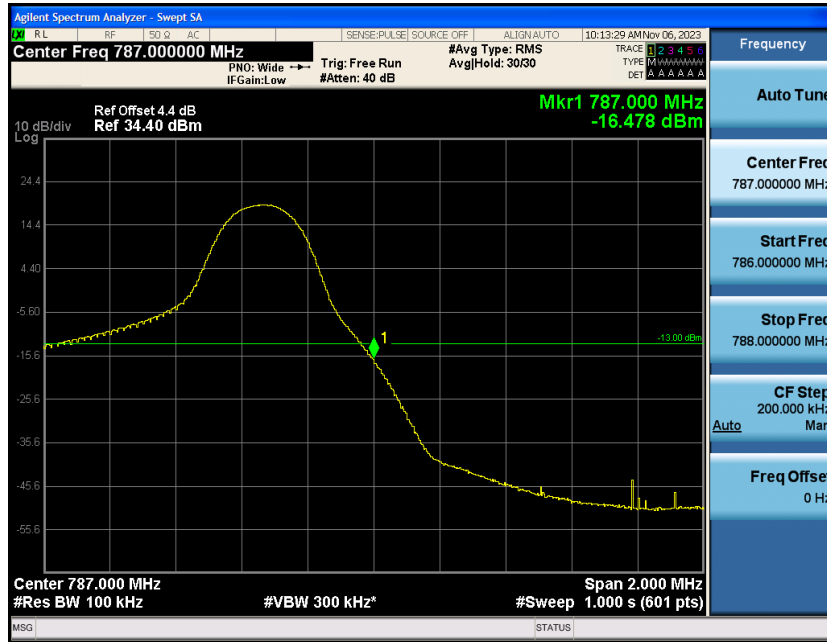


Band13-5MHz-16QAM-23255-1RB#0



Band13-5MHz-16QAM-23255-1RB#24

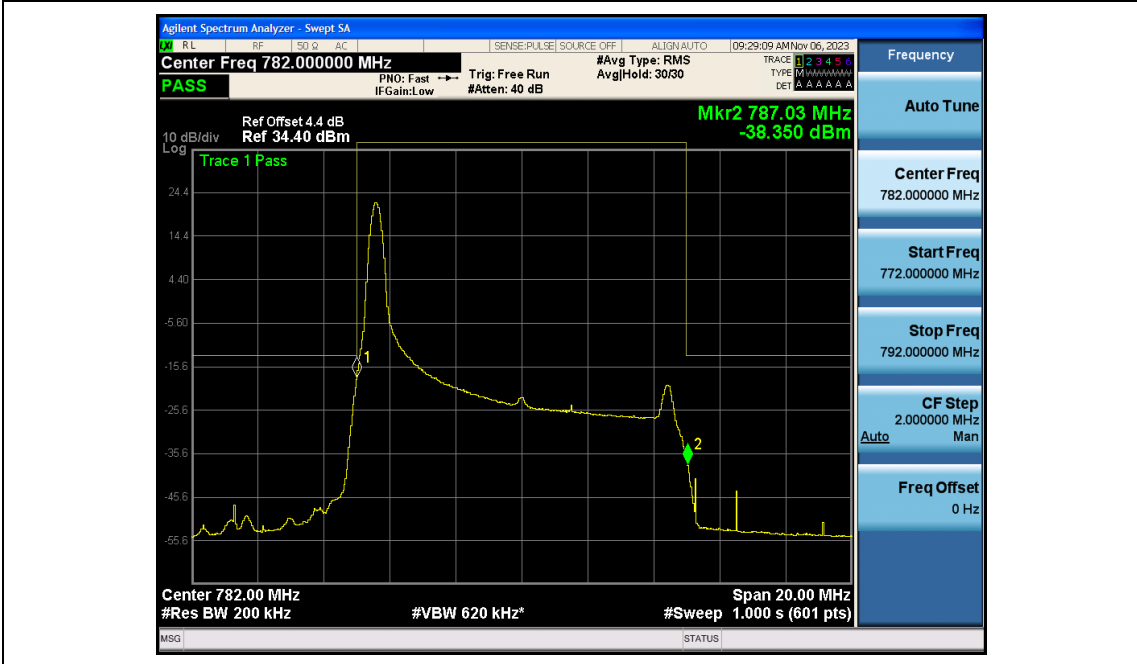




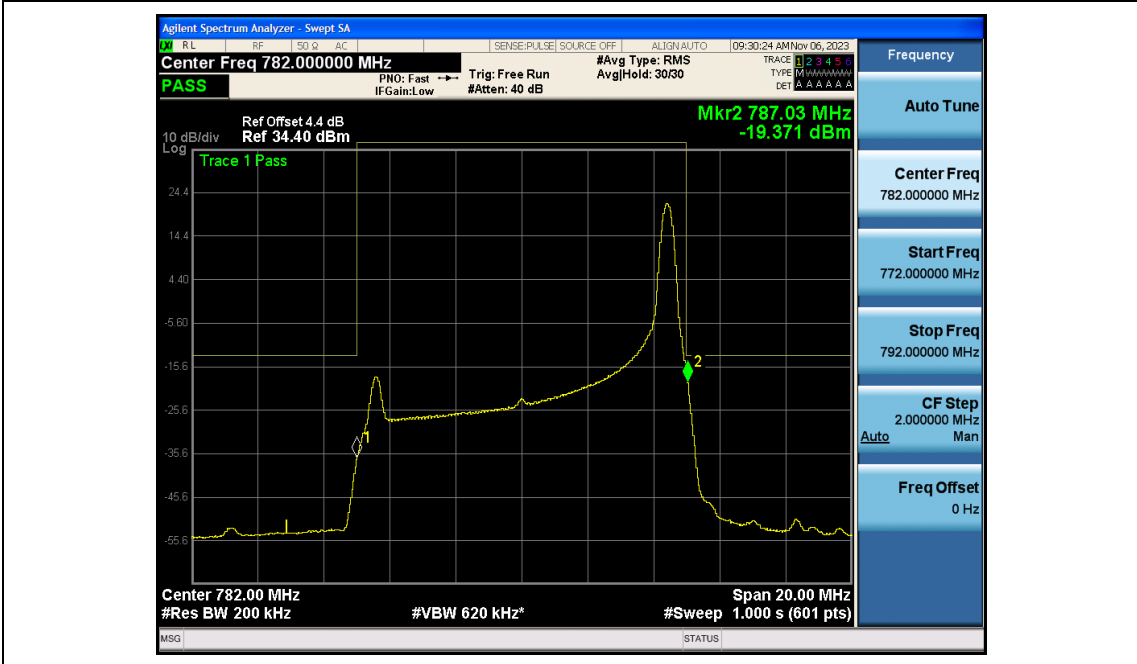
Band13-5MHz-16QAM-23255-25RB#0



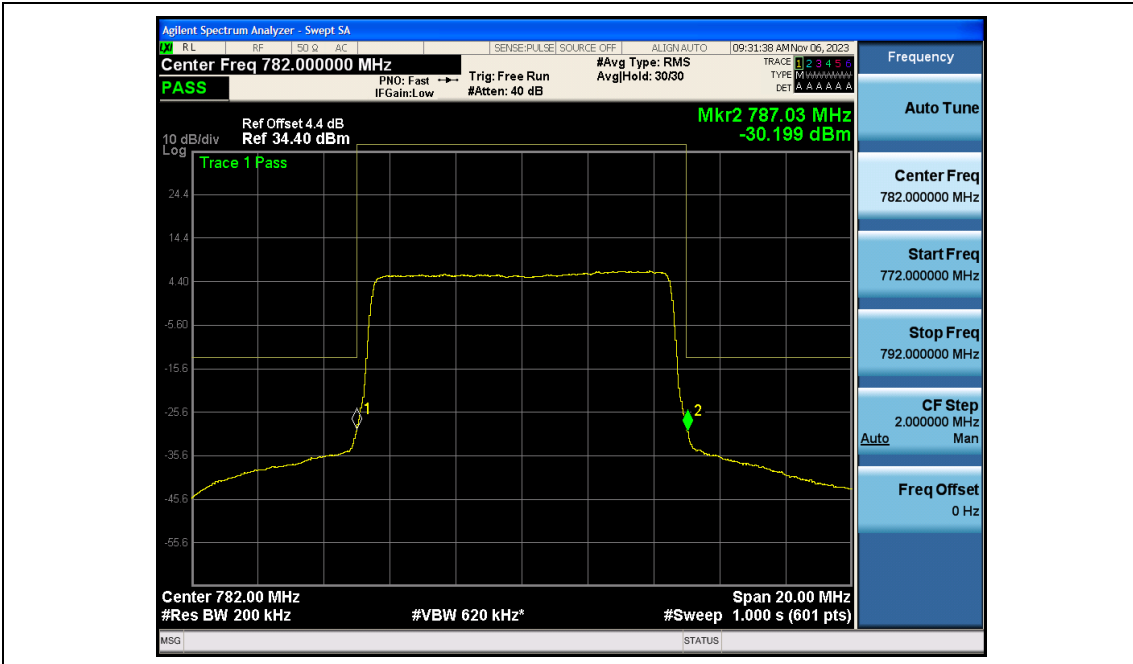
Band13-10MHz-QPSK-23230-1RB#0



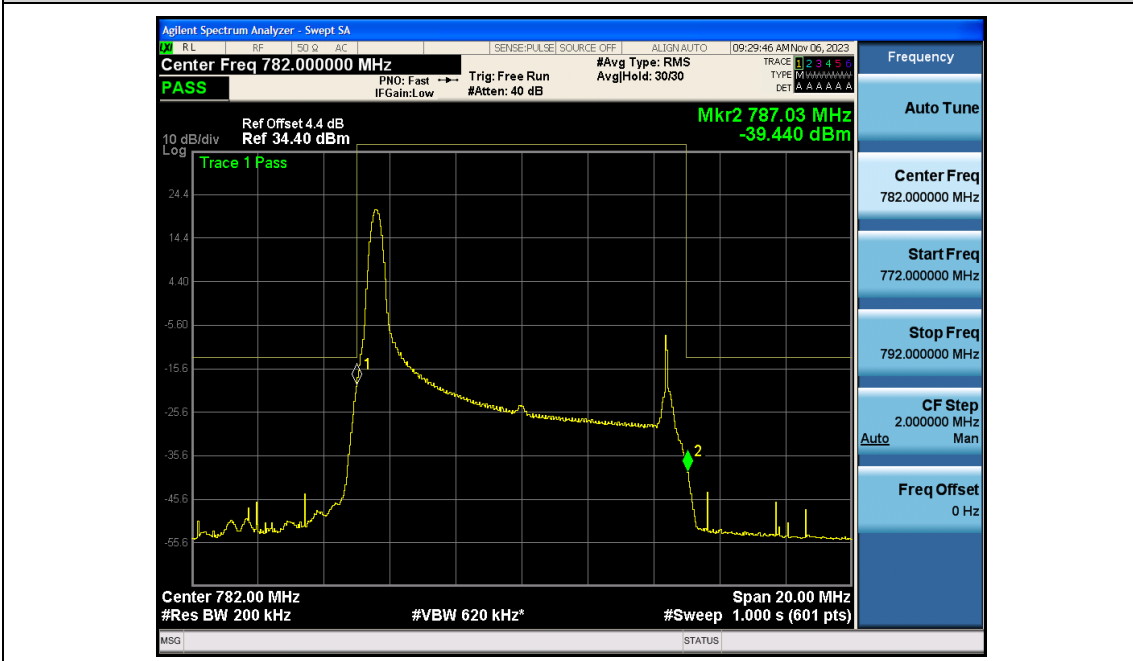
Band13-10MHz-QPSK-23230-1RB#49



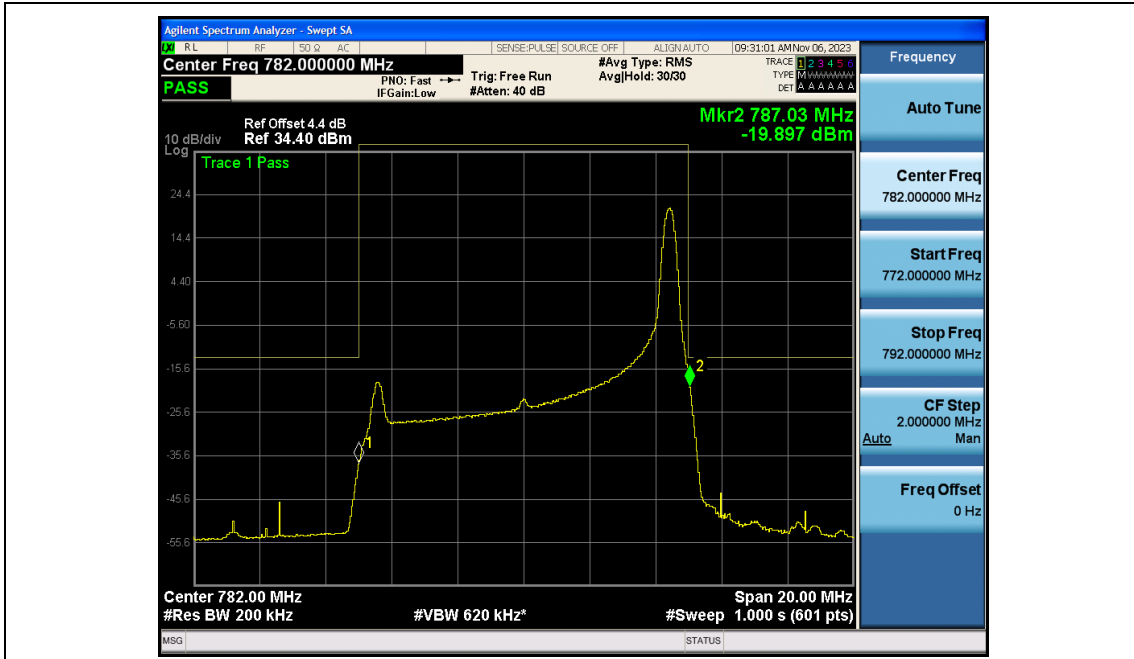
Band13-10MHz-QPSK-23230-50RB#0



Band13-10MHz-16QAM-23230-1RB#0



Band13-10MHz-16QAM-23230-1RB#49



Band13-10MHz-16QAM-23230-50RB#0



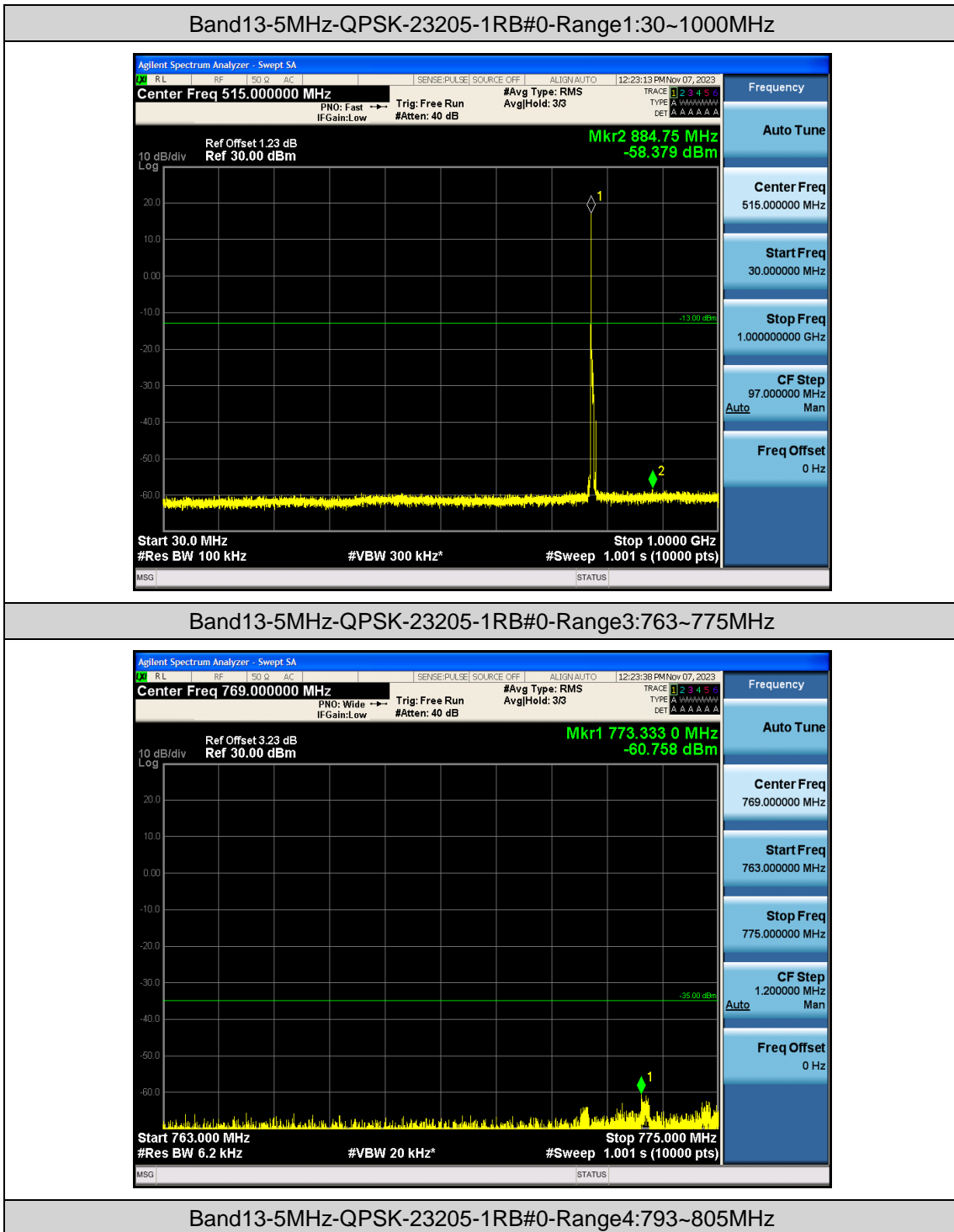
## Appendix E: Conducted Spurious Emission

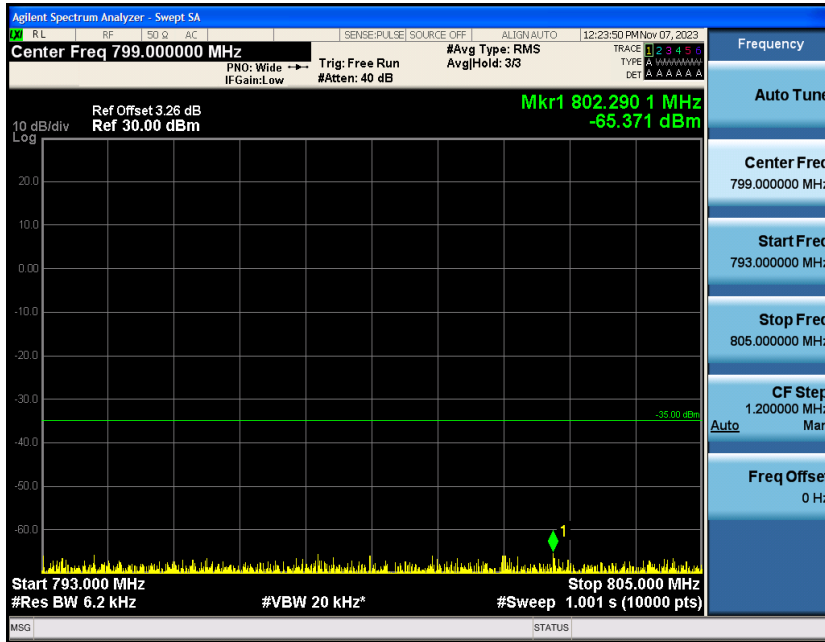
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	Range1:30~1000MHz	-58.38	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range3:763~775MHz	-60.76	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range4:793~805MHz	-65.37	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range2:1000~10000MHz	-49.76	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range5:1559~1610MHz	-73.89	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-58.08	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range3:763~775MHz	-61.33	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range4:793~805MHz	-65.39	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range2:1000~10000MHz	-49.63	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range5:1559~1610MHz	-56.78	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:30~1000MHz	-58.37	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range3:763~775MHz	-60.31	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range4:793~805MHz	-65.3	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range2:1000~10000MHz	-50.09	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range5:1559~1610MHz	-55.89	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:30~1000MHz	-58.36	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range3:763~775MHz	-58.68	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range4:793~805MHz	-65.57	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range2:1000~10000MHz	-52.78	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range5:1559~1610MHz	-73.98	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-58.88	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range3:763~775MHz	-62.2	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range4:793~805MHz	-63.88	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range2:1000~10000MHz	-51.6	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range5:1559~1610MHz	-57.92	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range1:30~1000MHz	-58.49	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range3:763~775MHz	-58.55	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range4:793~805MHz	-64.8	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range2:1000~10000MHz	-51.1	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range5:1559~1610MHz	-56.14	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-58.26	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range3:763~775MHz	-60.81	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range4:793~805MHz	-53.5	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range2:1000~10000MHz	-49.08	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range5:1559~1610MHz	-73.88	PASS

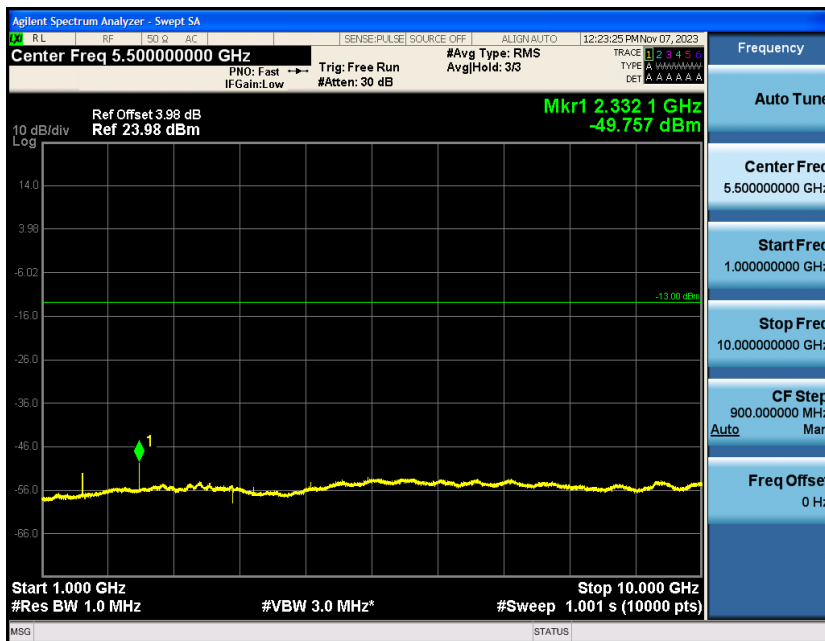
Band13	10MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-58.61	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range3:763~775MHz	-60.31	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range4:793~805MHz	-52.01	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range2:1000~10000MHz	-52.13	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range5:1559~1610MHz	-73.83	PASS

### Test Graphs

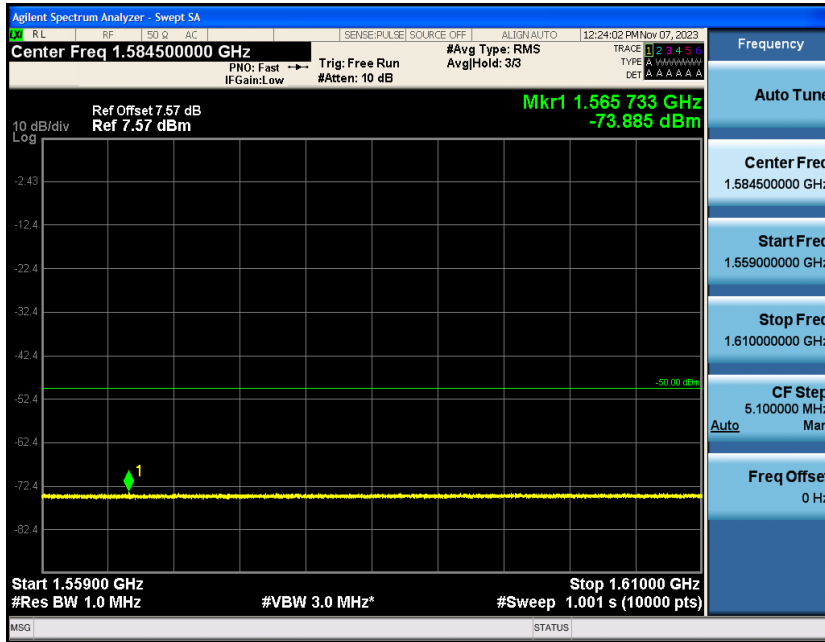




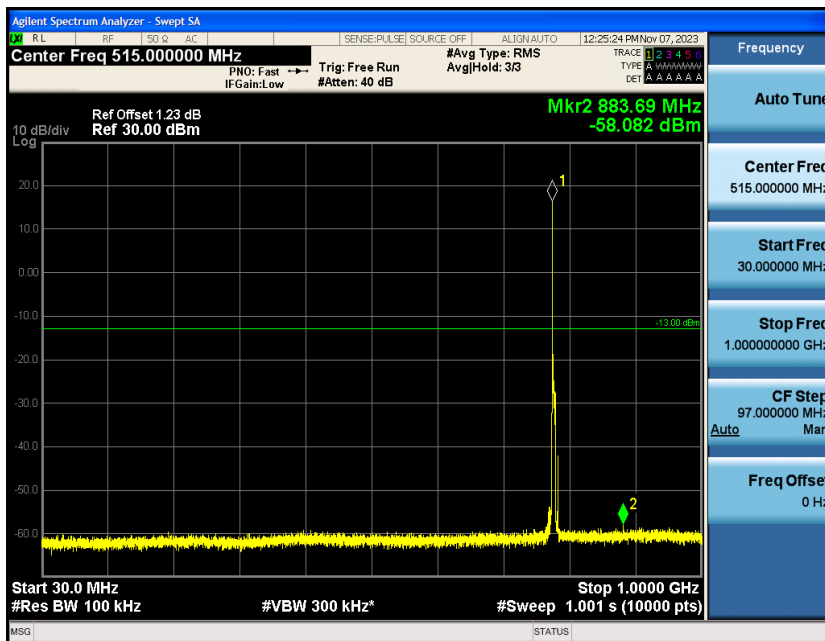
Band13-5MHz-QPSK-23205-1RB#0-Range2:1000~10000MHz



Band13-5MHz-QPSK-23205-1RB#0-Range5:1559~1610MHz

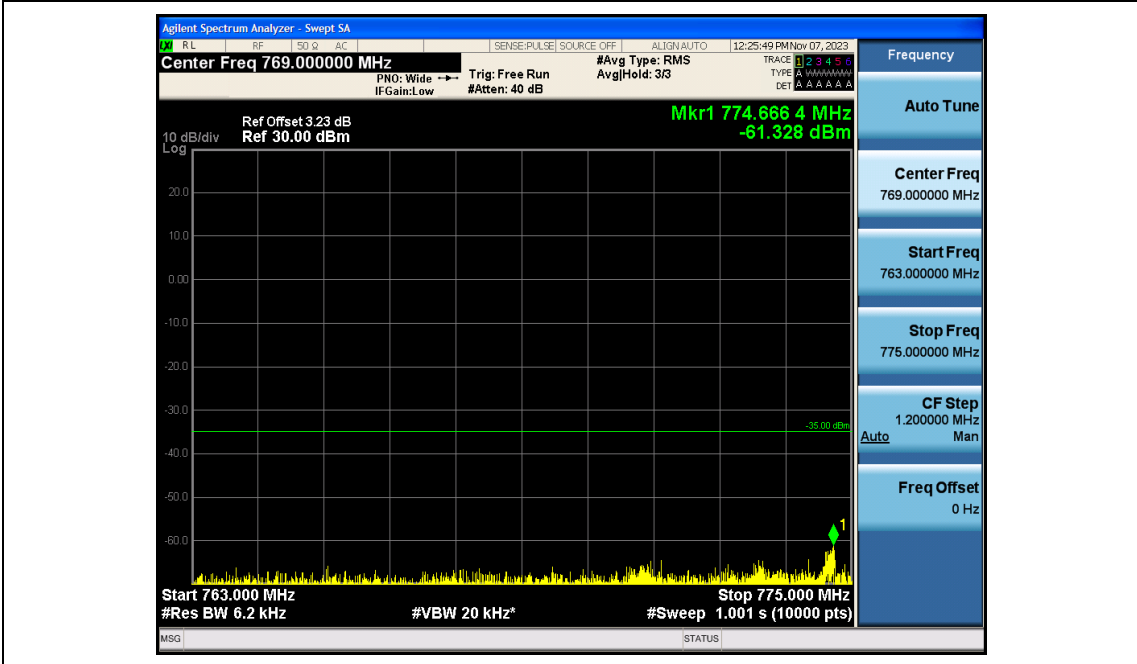


Band13-5MHz-QPSK-23230-1RB#0-Range1:30~100MHz



Band13-5MHz-QPSK-23230-1RB#0-Range3:763~775MHz

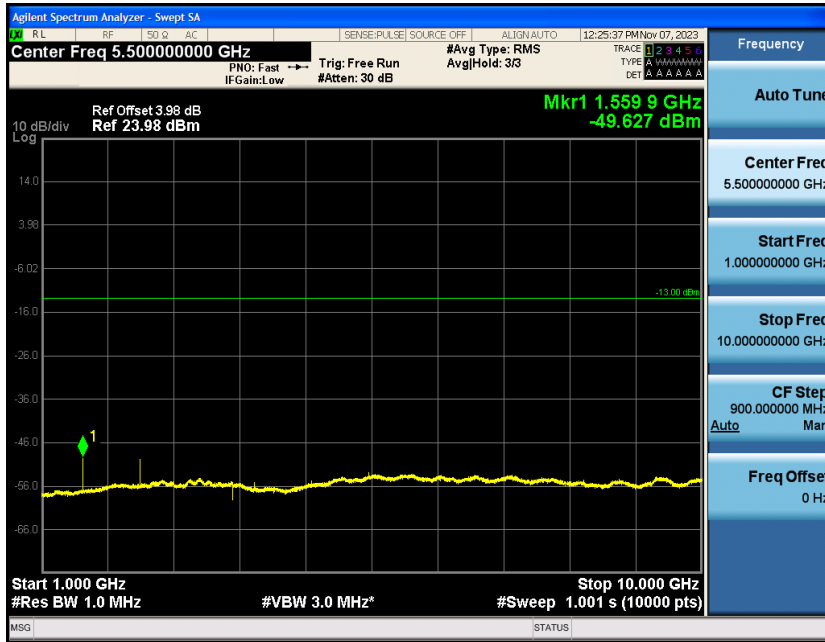




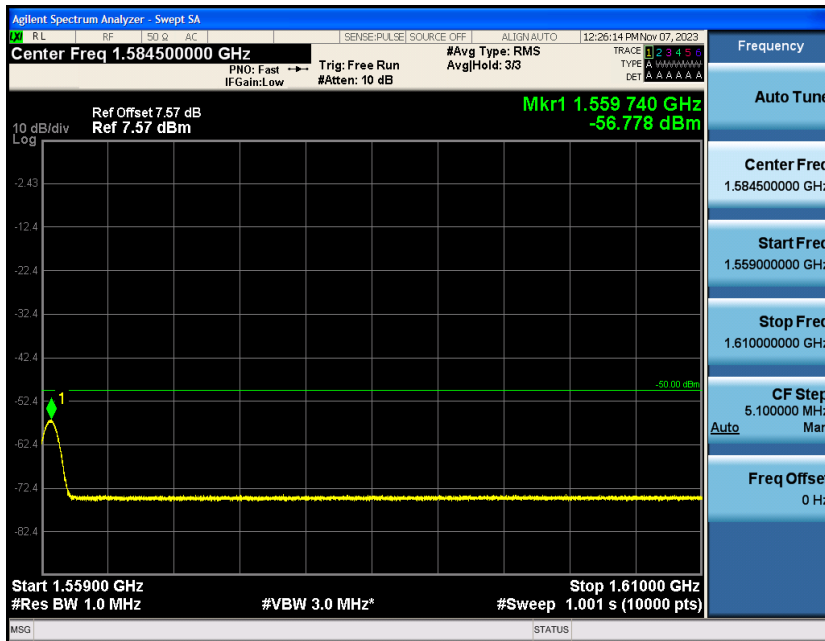
Band13-5MHz-QPSK-23230-1RB#0-Range4:793~805MHz



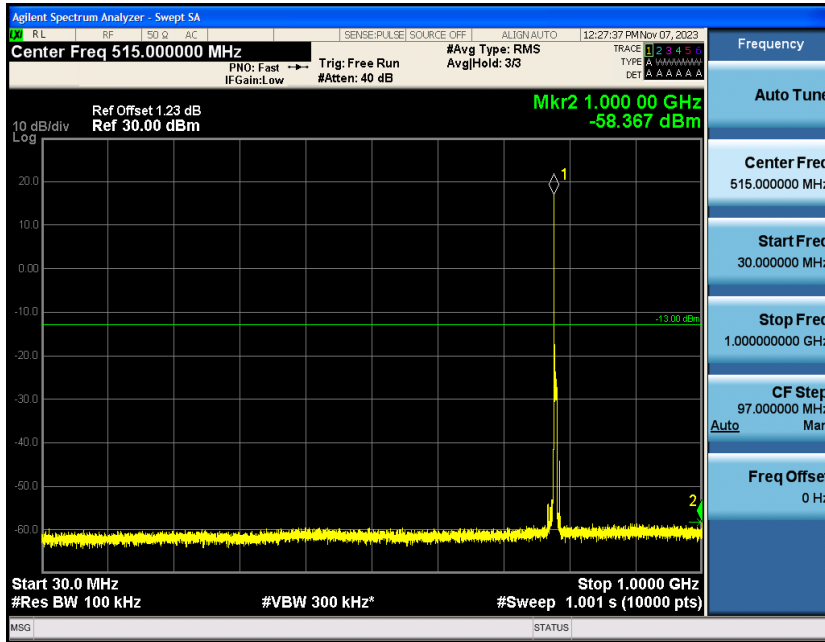
Band13-5MHz-QPSK-23230-1RB#0-Range2:1000~10000MHz



Band13-5MHz-QPSK-23230-1RB#0-Range5:1559~1610MHz



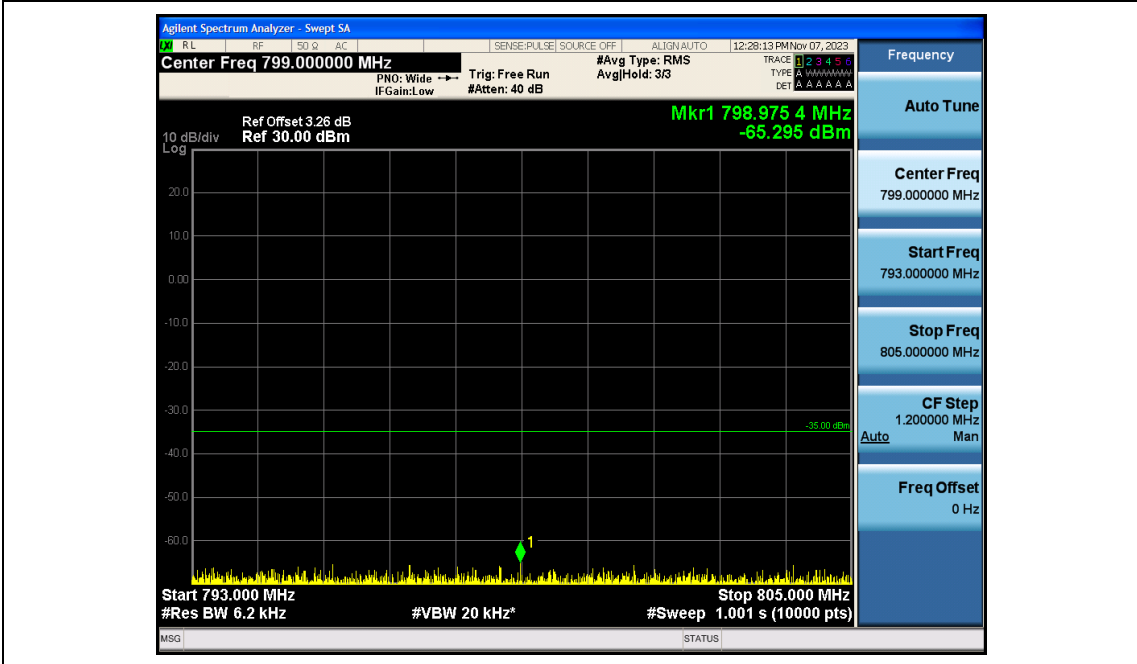
Band13-5MHz-QPSK-23255-1RB#0-Range1:30~1000MHz



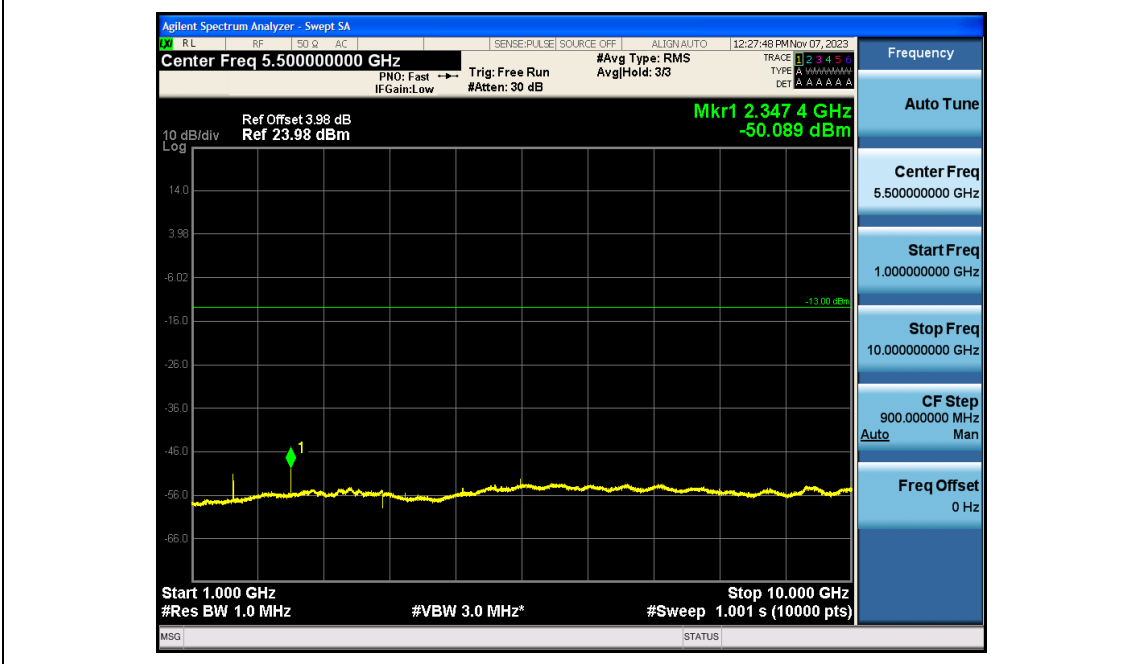
Band13-5MHz-QPSK-23255-1RB#0-Range3:763~775MHz



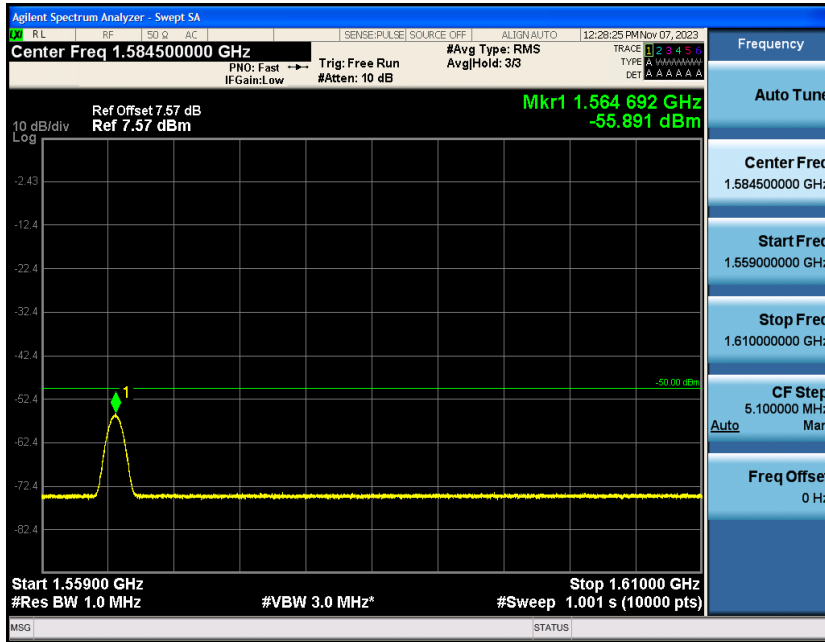
Band13-5MHz-QPSK-23255-1RB#0-Range4:793~805MHz



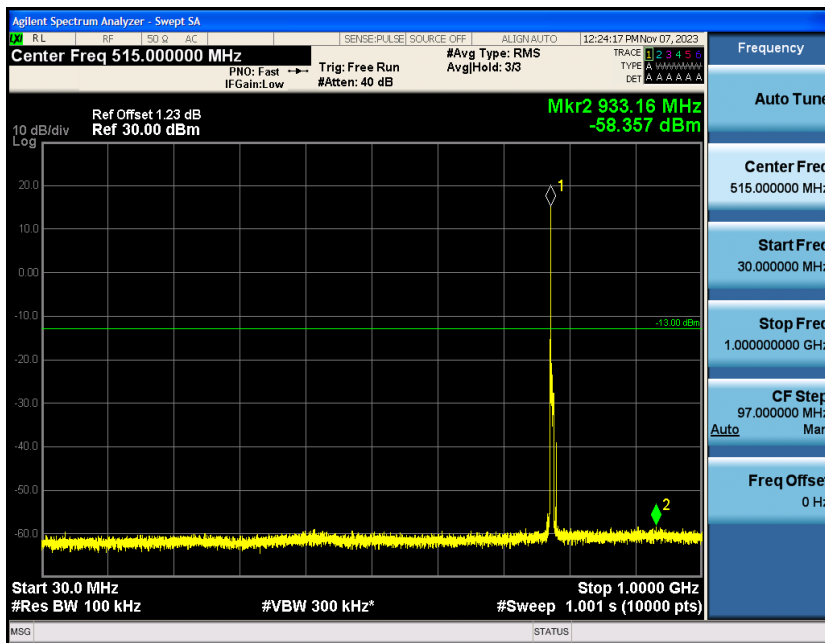
Band13-5MHz-QPSK-23255-1RB#0-Range2:1000~10000MHz



Band13-5MHz-QPSK-23255-1RB#0-Range5:1559~1610MHz



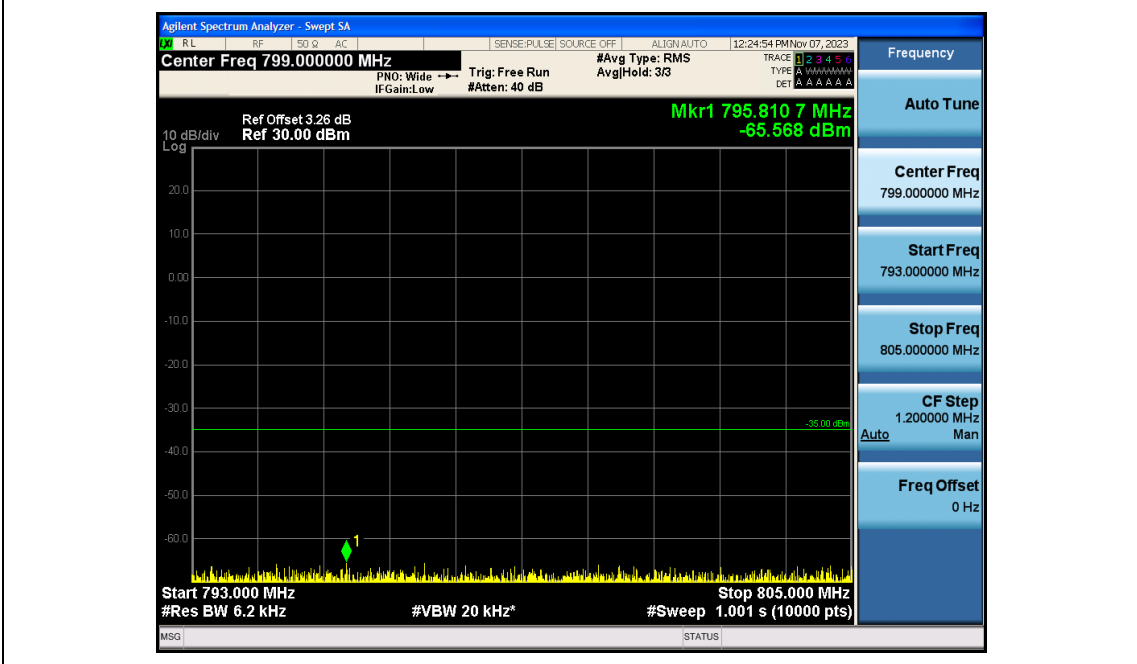
Band13-5MHz-16QAM-23205-1RB#0-Range1:30~1000MHz



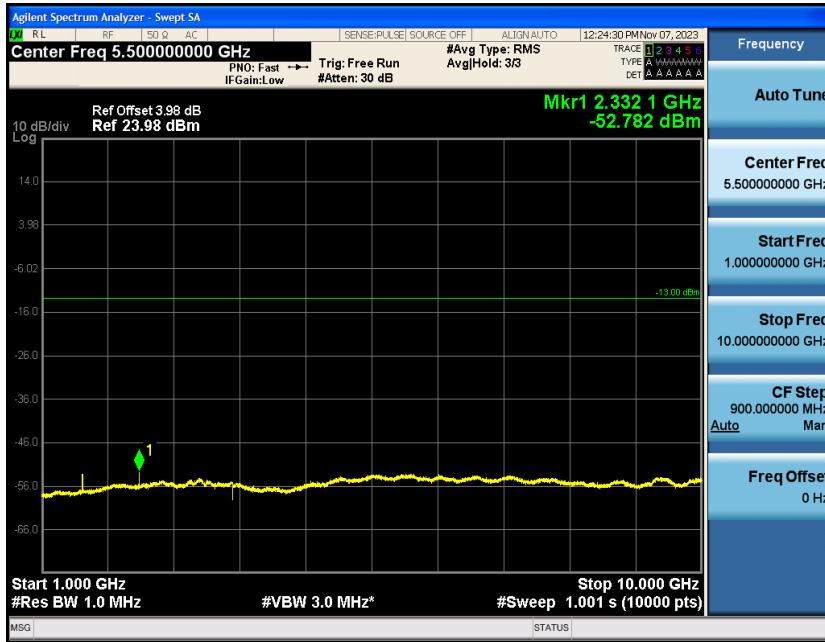
Band13-5MHz-16QAM-23205-1RB#0-Range3:763~775MHz



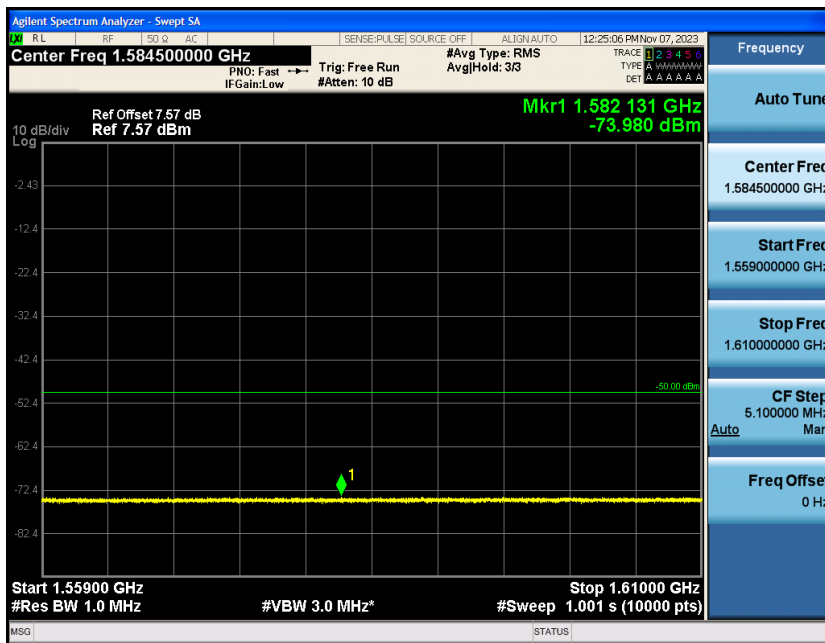
Band13-5MHz-16QAM-23205-1RB#0-Range4:793~805MHz



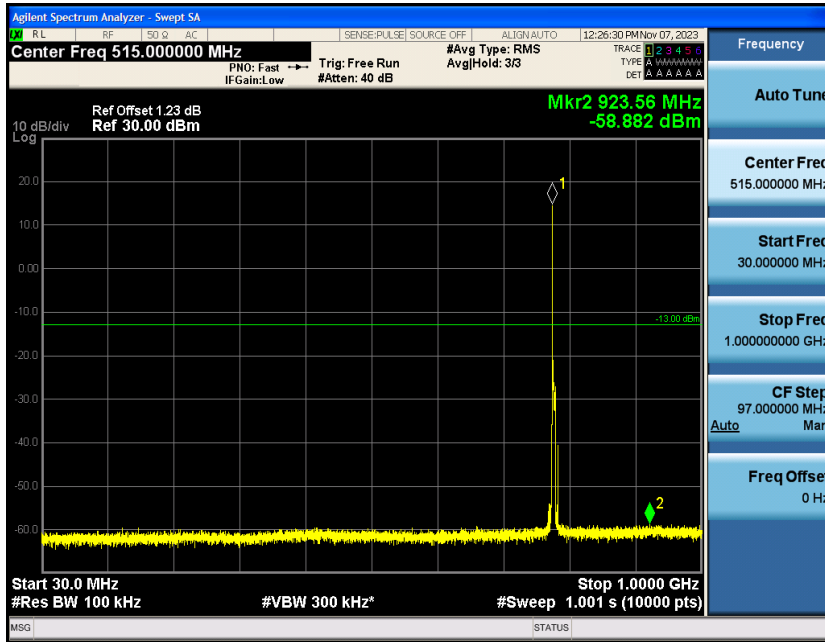
Band13-5MHz-16QAM-23205-1RB#0-Range2:1000~10000MHz



Band13-5MHz-16QAM-23205-1RB#0-Range5:1559~1610MHz



Band13-5MHz-16QAM-23230-1RB#0-Range1:30~1000MHz

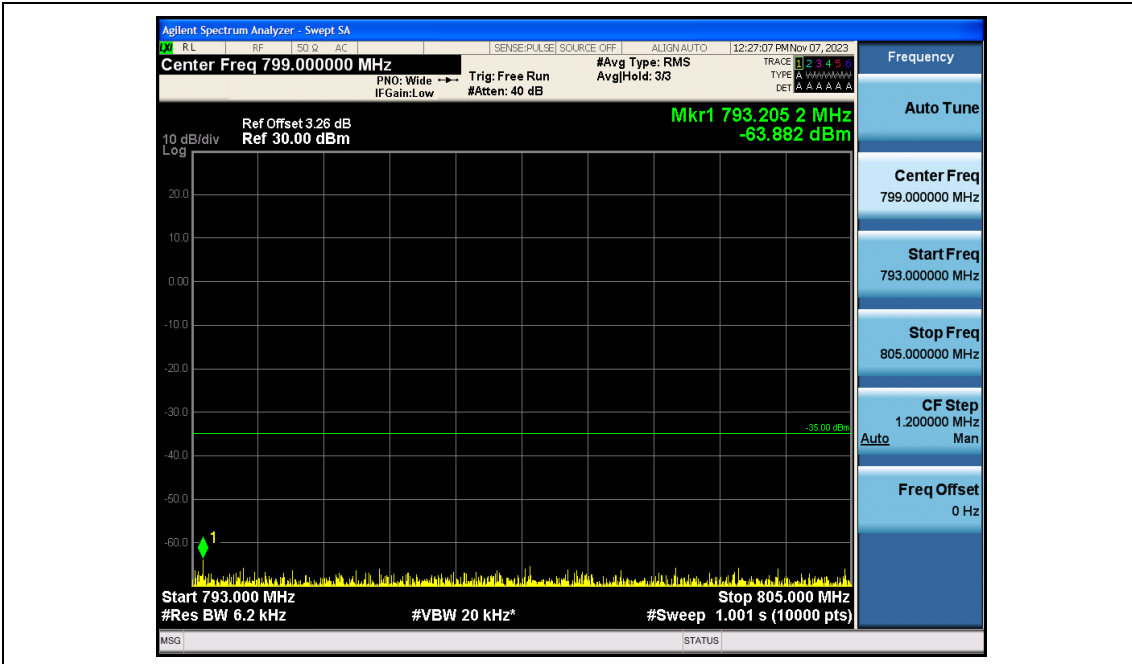


Band13-5MHz-16QAM-23230-1RB#0-Range3:763~775MHz

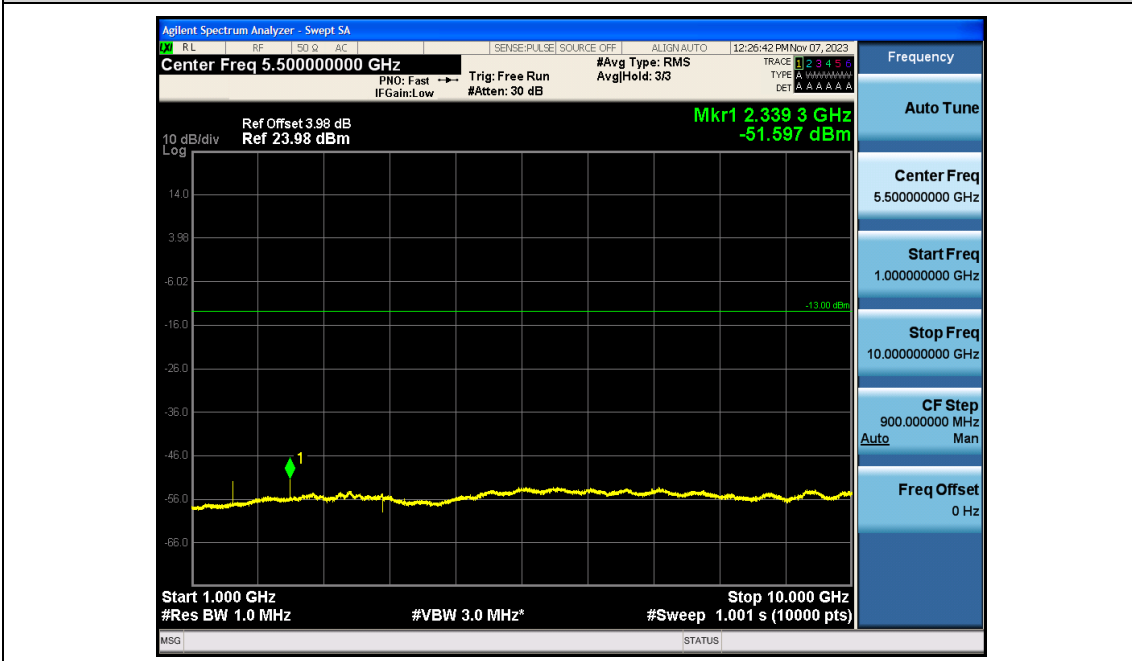


Band13-5MHz-16QAM-23230-1RB#0-Range4:793~805MHz

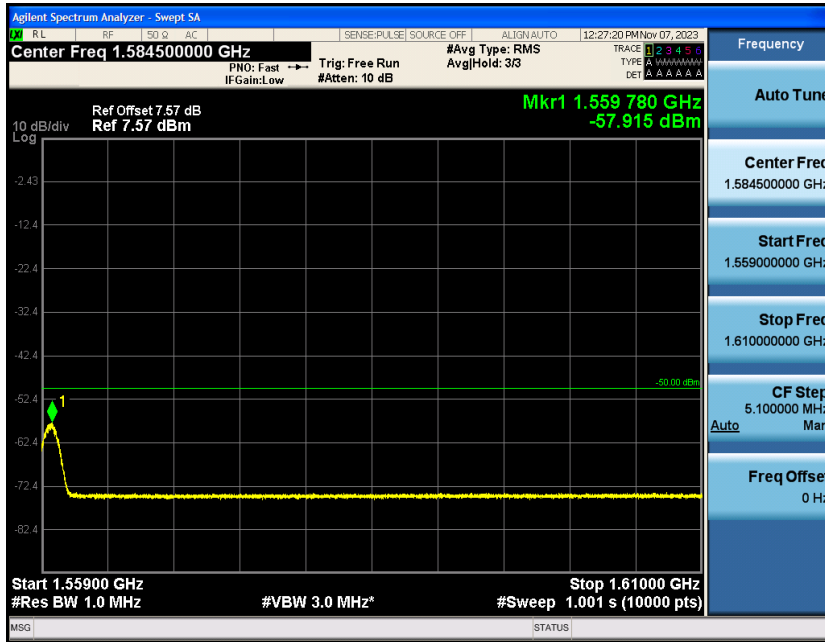




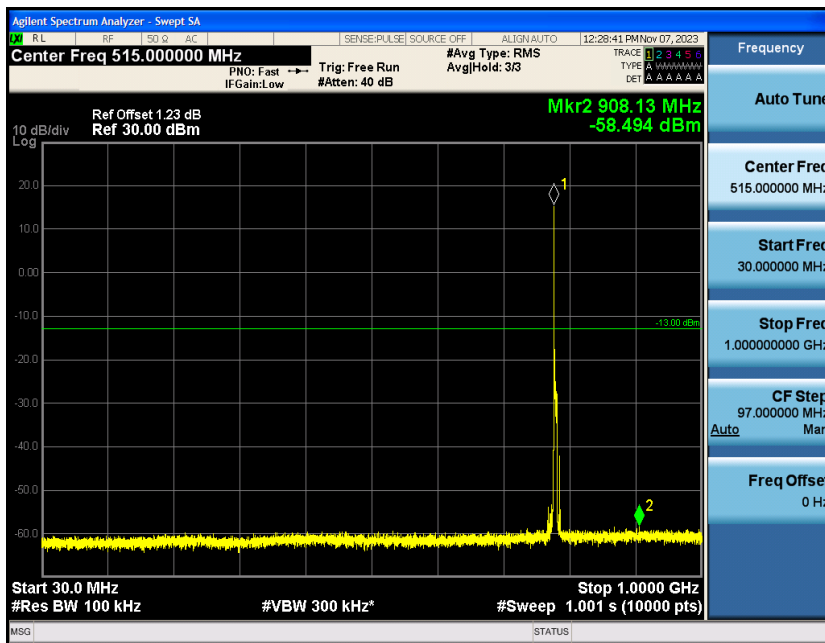
Band13-5MHz-16QAM-23230-1RB#0-Range2:1000~10000MHz



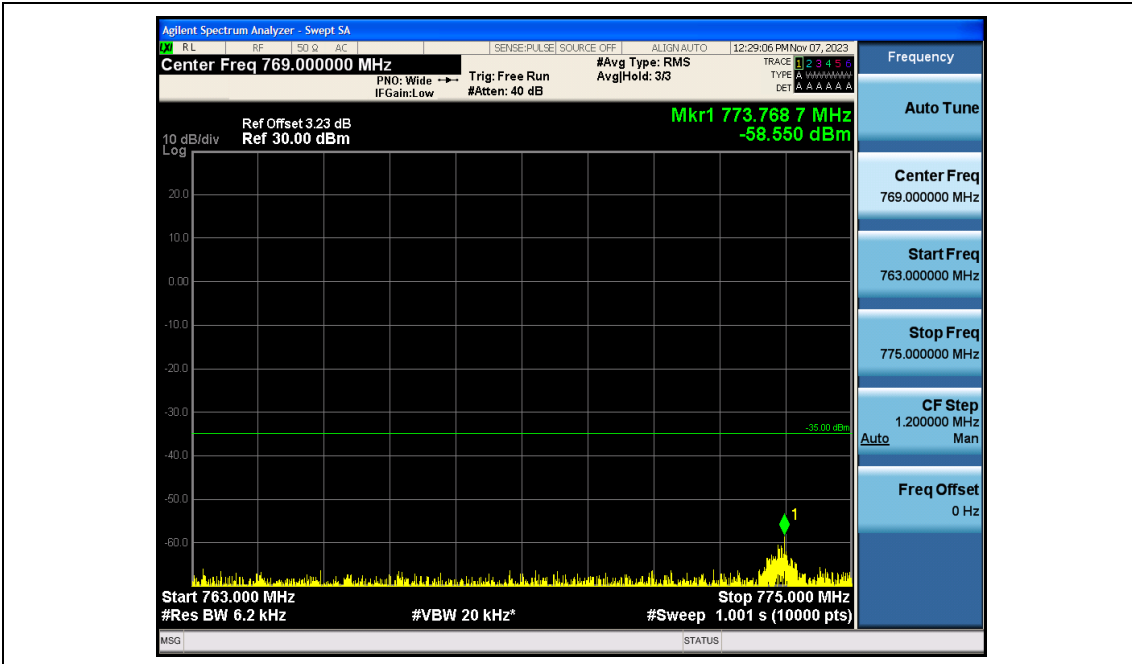
Band13-5MHz-16QAM-23230-1RB#0-Range5:1559~1610MHz



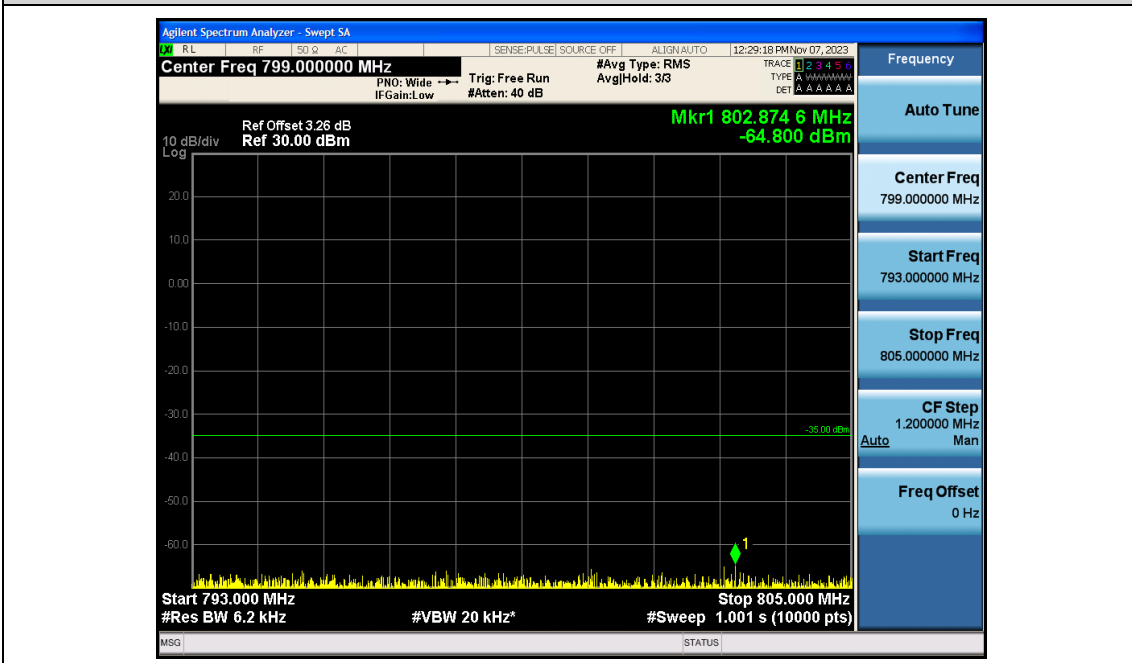
Band13-5MHz-16QAM-23255-1RB#0-Range1:30~1000MHz



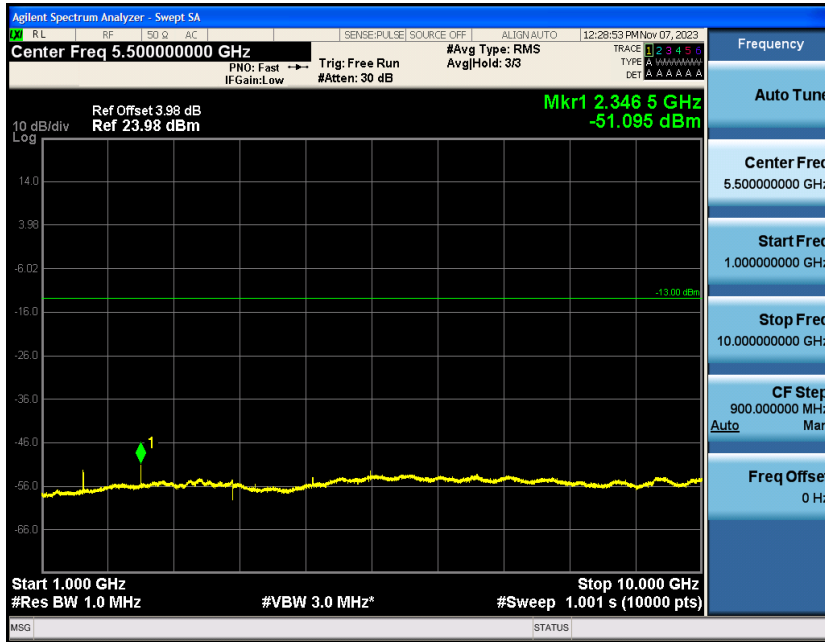
Band13-5MHz-16QAM-23255-1RB#0-Range3:763~775MHz



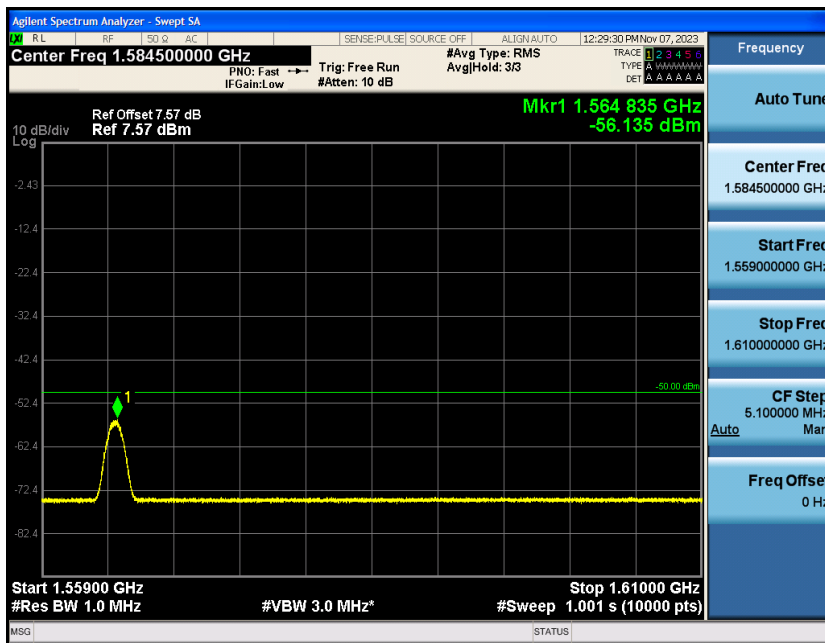
Band13-5MHz-16QAM-23255-1RB#0-Range4:793~805MHz



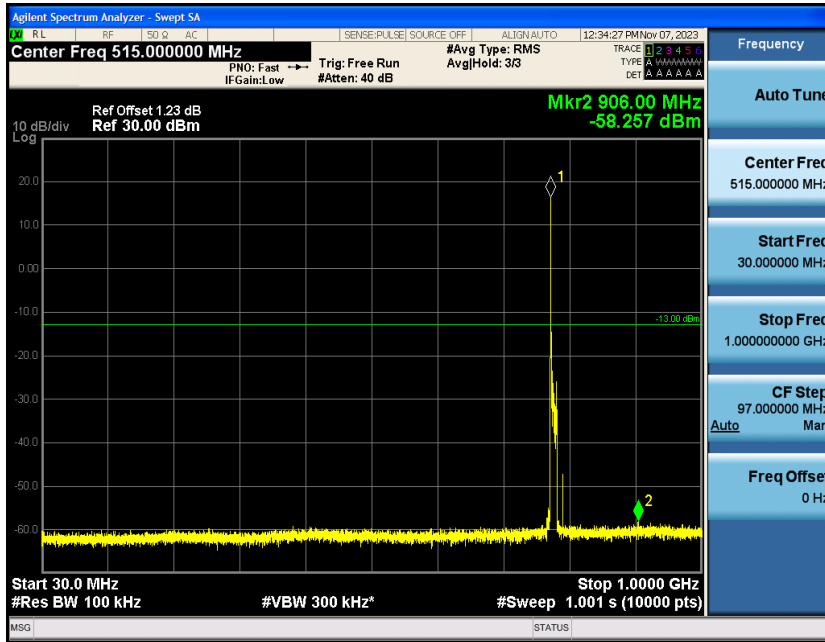
Band13-5MHz-16QAM-23255-1RB#0-Range2:1000~10000MHz



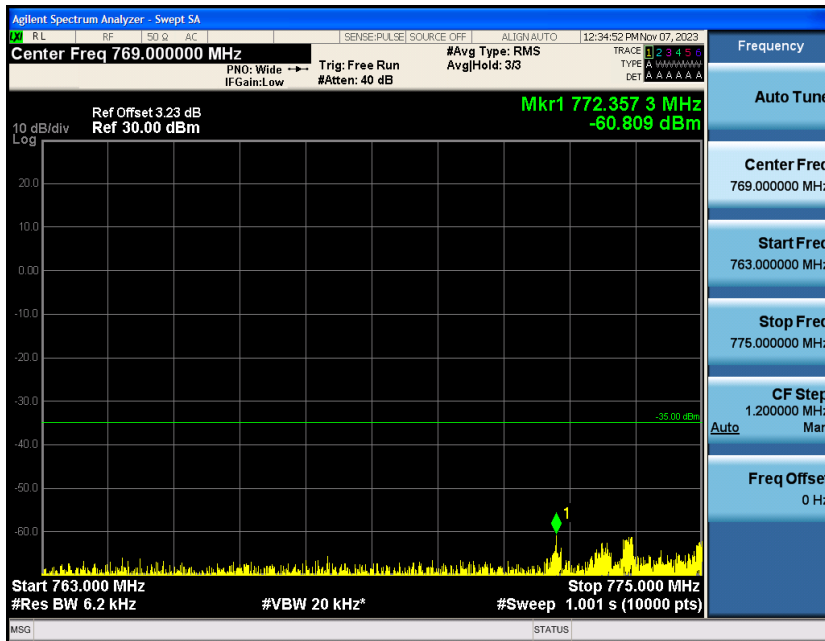
Band13-5MHz-16QAM-23255-1RB#0-Range5:1559~1610MHz



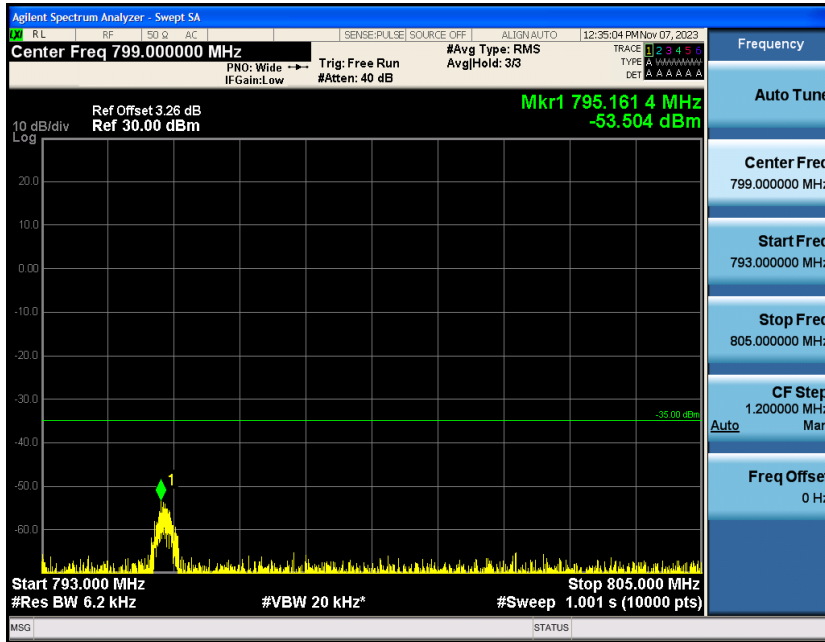
Band13-10MHz-QPSK-23230-1RB#0-Range1:30~1000MHz



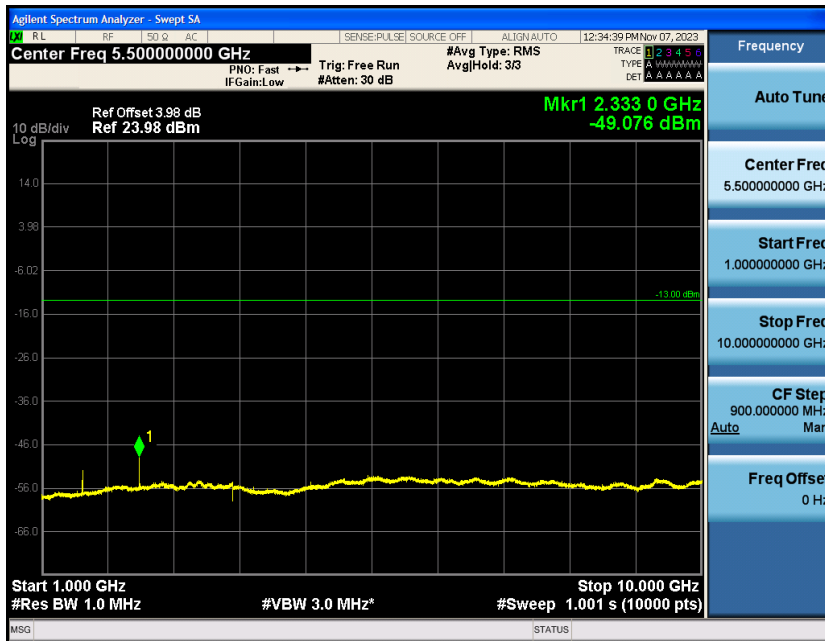
Band13-10MHz-QPSK-23230-1RB#0-Range3:763~775MHz



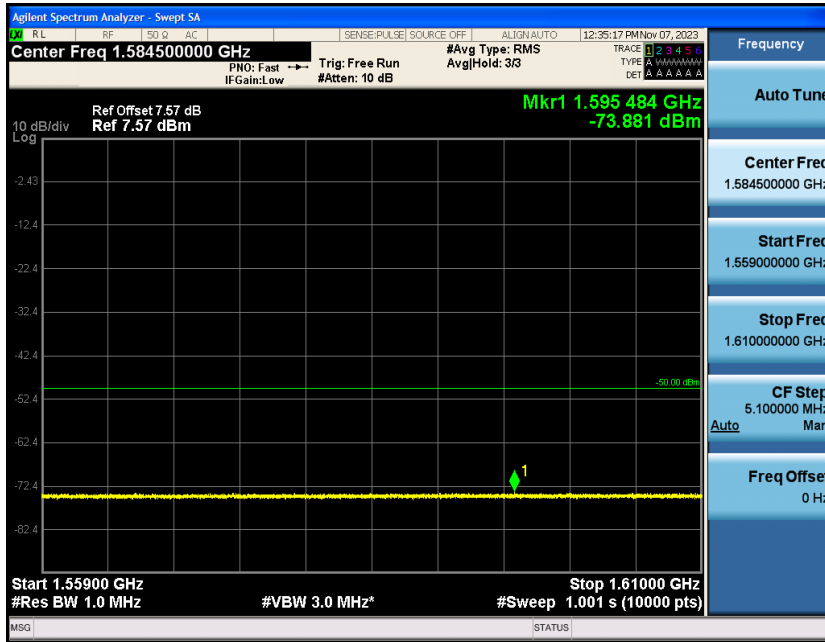
Band13-10MHz-QPSK-23230-1RB#0-Range4:793~805MHz



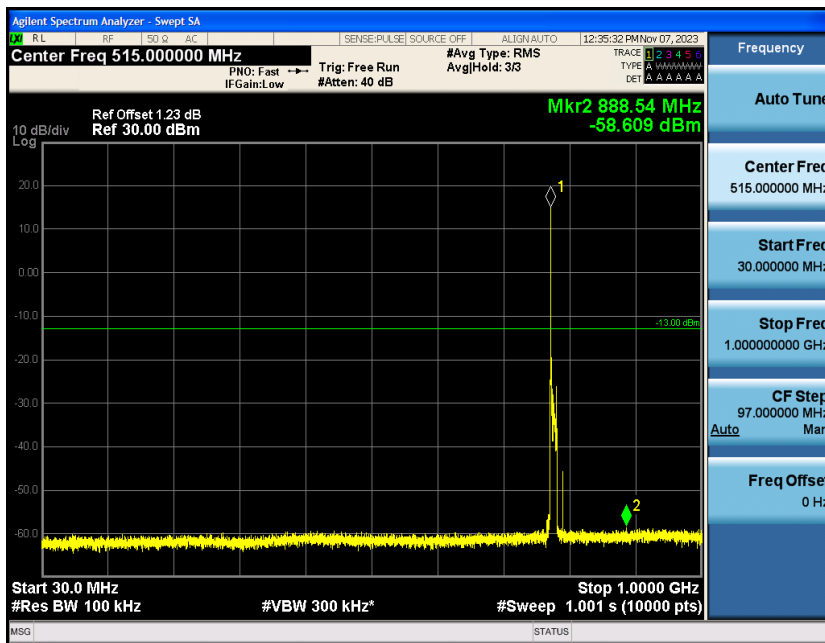
Band13-10MHz-QPSK-23230-1RB#0-Range2:1000~10000MHz



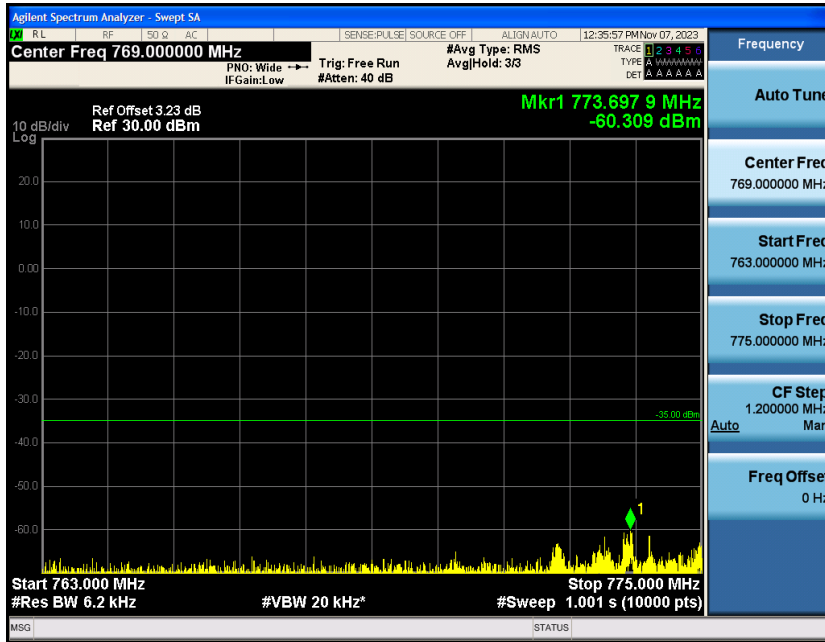
Band13-10MHz-QPSK-23230-1RB#0-Range5:1559~1610MHz



Band13-10MHz-16QAM-23230-1RB#0-Range1:30~100MHz



Band13-10MHz-16QAM-23230-1RB#0-Range3:763~775MHz

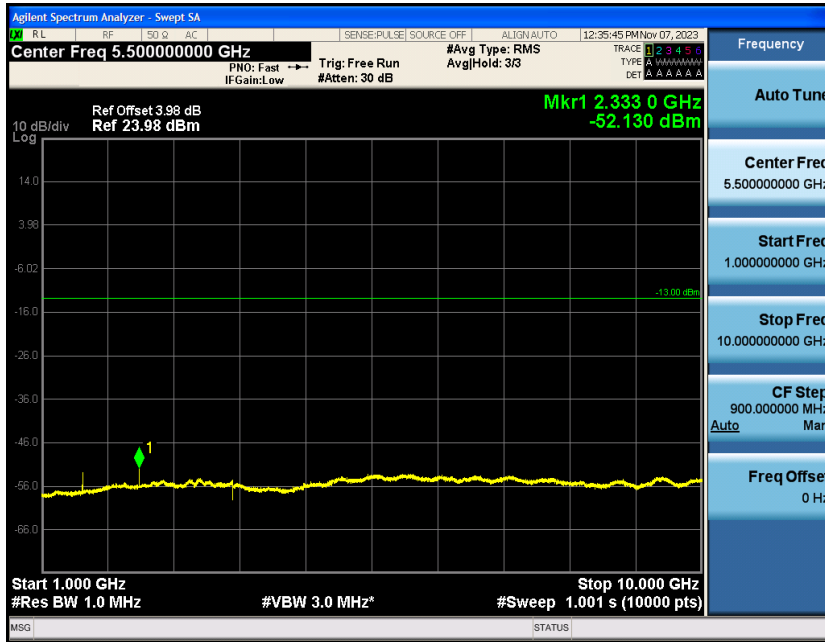


Band13-10MHz-16QAM-23230-1RB#0-Range4:793~805MHz

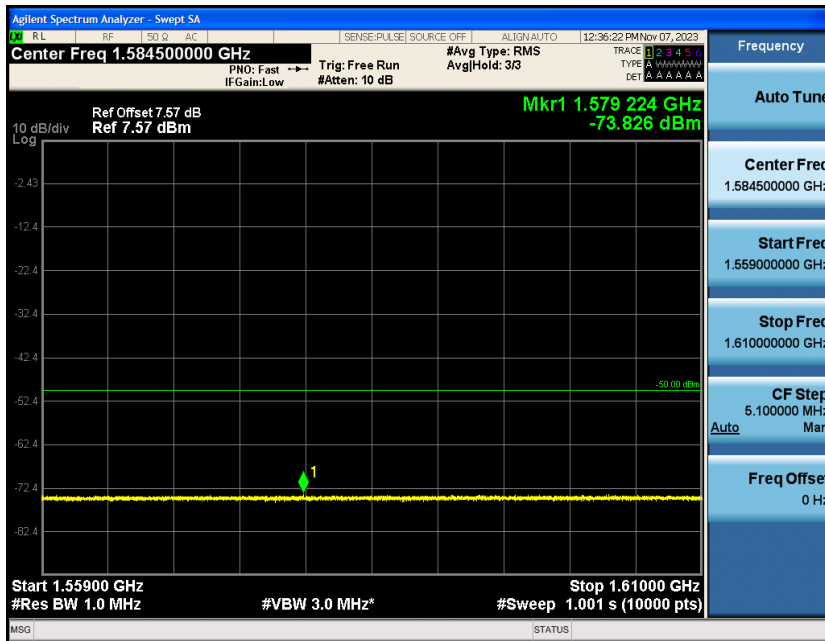


Band13-10MHz-16QAM-23230-1RB#0-Range2:1000~10000MHz





Band13-10MHz-16QAM-23230-1RB#0-Range5:1559~1610MHz



## Appendix F: Frequency Stability

### Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	34.90	0.044772	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	34.99	0.044888	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	33.10	0.042463	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	5.62	0.007187	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	-2.50	-0.003197	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	-10.49	-0.013414	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	2.68	0.003416	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	-3.65	-0.004653	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	4.56	0.005813	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	49.64	0.063682	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	43.00	0.055164	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	-5.25	-0.006735	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	37.02	0.047340	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	19.73	0.025230	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	51.56	0.065934	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	-2.80	-0.003569	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	-5.22	-0.006654	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	9.47	0.012071	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-44.92	-0.057442	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-42.44	-0.054271	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-47.49	-0.060729	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	-19.08	-0.024399	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	-18.00	-0.023018	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VH	NT	-20.28	-0.025934	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	32.99	0.042322	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	42.33	0.054304	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	43.44	0.055728	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	46.36	0.059474	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	38.68	0.049622	±2.5	PASS

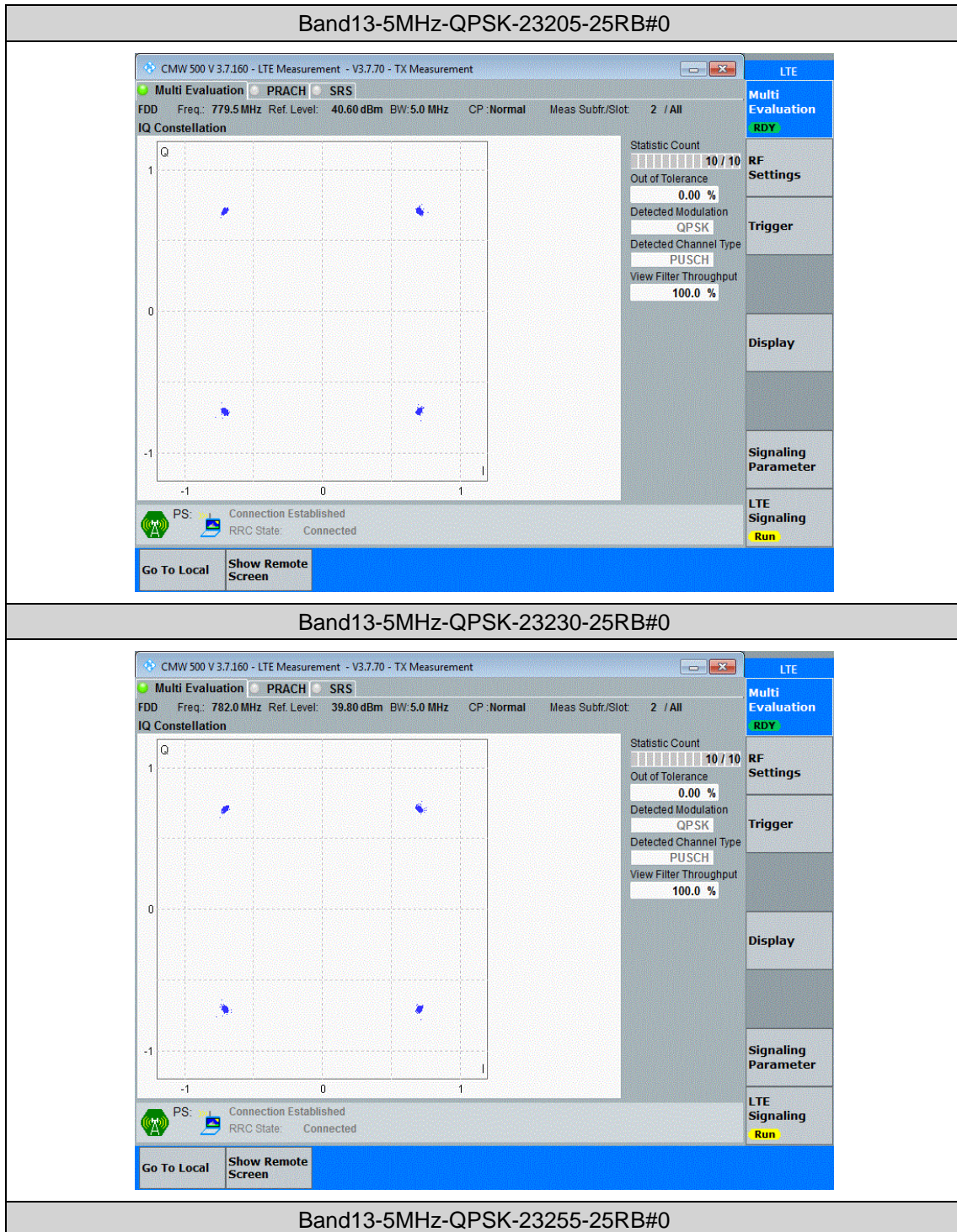
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	-9.47	-0.012110	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	-39.78	-0.050870	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	-31.36	-0.040102	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	-17.57	-0.022468	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	-8.73	-0.011164	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	5.82	0.007419	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	7.60	0.009688	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	7.10	0.009050	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	9.11	0.011612	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	-2.37	-0.003021	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	-6.32	-0.008108	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	2.20	0.002822	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	8.20	0.010520	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	15.15	0.019436	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	6.18	0.007928	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	12.47	0.015946	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	22.87	0.029246	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	30.44	0.038926	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	36.31	0.046432	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	42.60	0.054476	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	15.02	0.019146	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	18.64	0.023760	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	24.88	0.031714	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	30.04	0.038292	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	31.04	0.039567	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-52.36	-0.066957	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	3.06	0.003913	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-5.92	-0.007570	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-15.31	-0.019578	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-14.33	-0.018325	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	-18.57	-0.023747	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	-18.73	-0.023951	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	-29.67	-0.037941	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	-36.94	-0.047238	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	-43.54	-0.055678	±2.5	PASS

## Appendix G: Modulation Characteristics

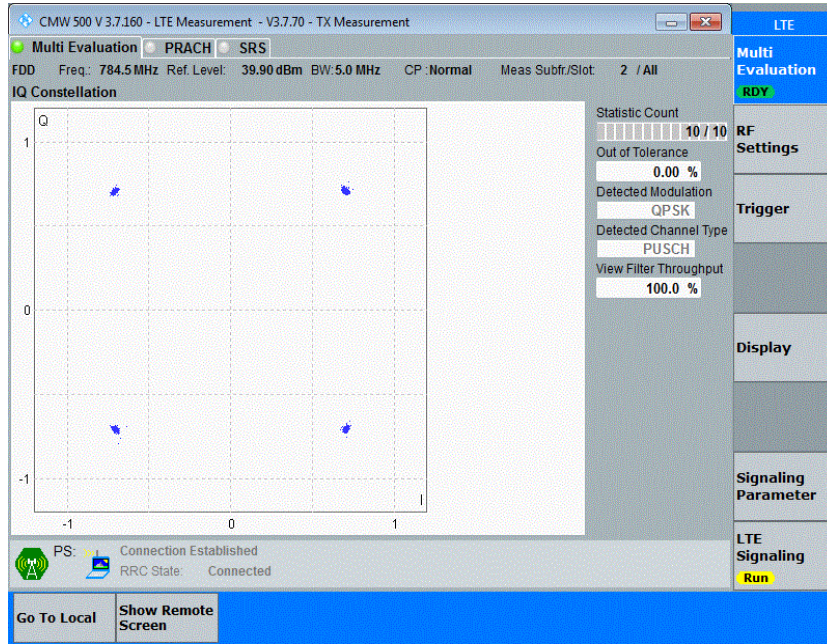
### Test Result

Band	Channel	Result	Verdict
Band13	23205	PASS	PASS
Band13	23230	PASS	PASS
Band13	23255	PASS	PASS
Band13	23205	PASS	PASS
Band13	23230	PASS	PASS
Band13	23255	PASS	PASS
Band13	23230	PASS	PASS
Band13	23230	PASS	PASS

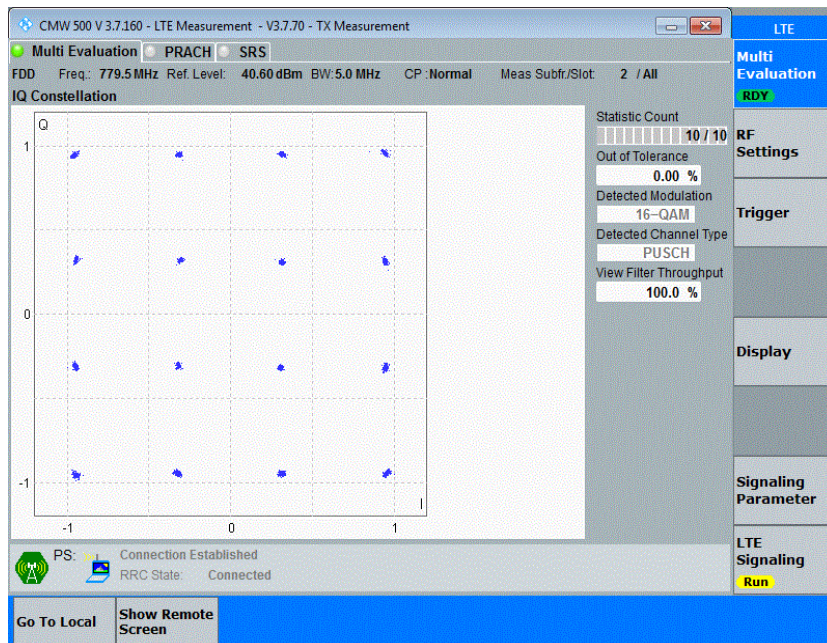
### Test Graphs





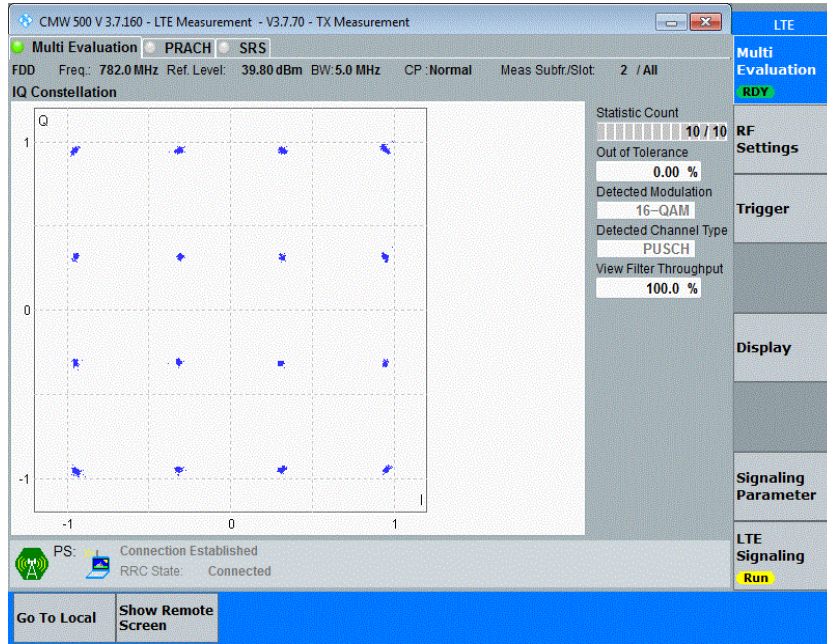


Band13-5MHz-16QAM-23205-25RB#0

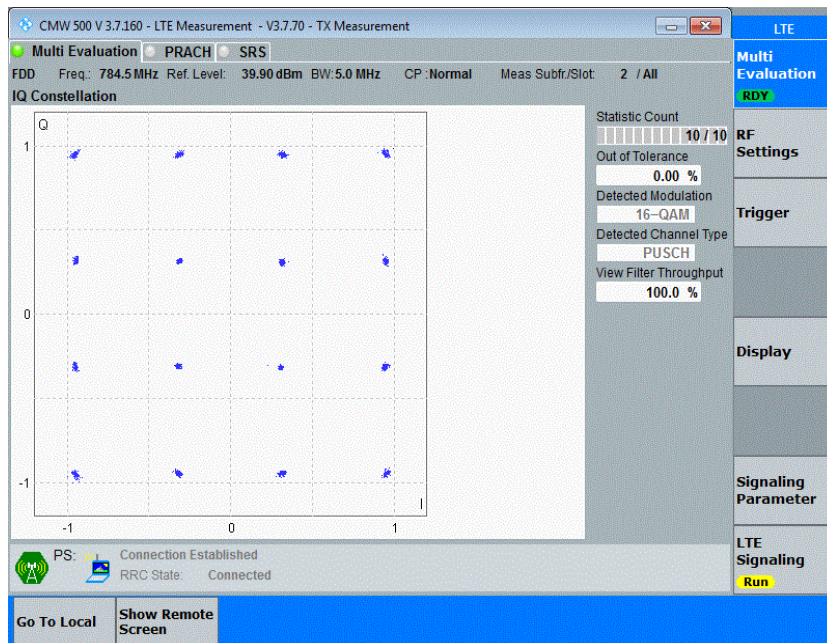


Band13-5MHz-16QAM-23230-25RB#0



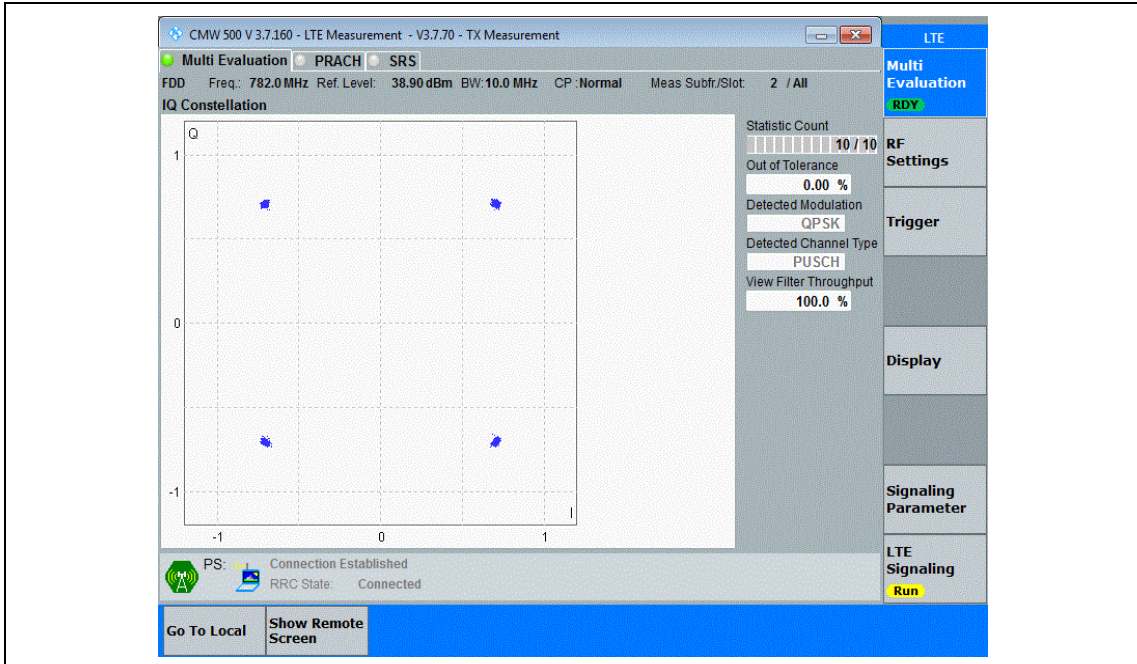


Band13-5MHz-16QAM-23255-25RB#0



Band13-10MHz-QPSK-23230-50RB#0





Band13-10MHz-16QAM-23230-50RB#0

