



Appendix H: Test Data for E-UTRA Band 13

Product Name: Wireless Router

Test Model: TR200

Environmental Conditions

Temperature:	21.6° C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Ken He
Supervised by:	Li Huan



H.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.51	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.39	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.29	PASS
Band13	5MHz	QPSK	23205	12RB#0	22.90	PASS
Band13	5MHz	QPSK	23205	12RB#6	22.74	PASS
Band13	5MHz	QPSK	23205	12RB#13	22.76	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.75	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.43	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.41	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.24	PASS
Band13	5MHz	QPSK	23230	12RB#0	22.34	PASS
Band13	5MHz	QPSK	23230	12RB#6	22.34	PASS
Band13	5MHz	QPSK	23230	12RB#13	22.33	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.21	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.40	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.24	PASS
Band13	5MHz	QPSK	23255	1RB#24	22.78	PASS
Band13	5MHz	QPSK	23255	12RB#0	22.07	PASS
Band13	5MHz	QPSK	23255	12RB#6	22.32	PASS
Band13	5MHz	QPSK	23255	12RB#13	22.20	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.15	PASS
Band13	5MHz	16QAM	23205	1RB#0	23.16	PASS
Band13	5MHz	16QAM	23205	1RB#12	23.10	PASS
Band13	5MHz	16QAM	23205	1RB#24	23.12	PASS
Band13	5MHz	16QAM	23205	12RB#0	22.10	PASS
Band13	5MHz	16QAM	23205	12RB#6	22.09	PASS
Band13	5MHz	16QAM	23205	12RB#13	22.01	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.94	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.13	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.00	PASS
Band13	5MHz	16QAM	23230	1RB#24	21.90	PASS
Band13	5MHz	16QAM	23230	12RB#0	21.70	PASS
Band13	5MHz	16QAM	23230	12RB#6	21.70	PASS



Band13	5MHz	16QAM	23230	12RB#13	21.61	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.73	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.38	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.71	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.47	PASS
Band13	5MHz	16QAM	23255	12RB#0	21.64	PASS
Band13	5MHz	16QAM	23255	12RB#6	21.62	PASS
Band13	5MHz	16QAM	23255	12RB#13	21.43	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.30	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.43	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.29	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.76	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.65	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.65	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.21	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.49	PASS
Band13	10MHz	16QAM	23230	1RB#0	21.93	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.69	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.31	PASS
Band13	10MHz	16QAM	23230	25RB#0	21.98	PASS
Band13	10MHz	16QAM	23230	25RB#12	21.98	PASS
Band13	10MHz	16QAM	23230	25RB#25	21.69	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.70	PASS



H.2 Peak-to-Average Ratio(CCDF)

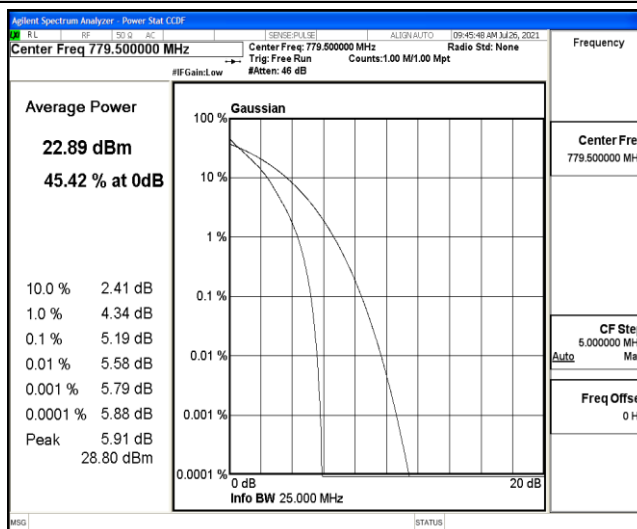
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	5.19	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.20	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.09	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.81	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.83	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	5.85	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.07	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.77	13	PASS

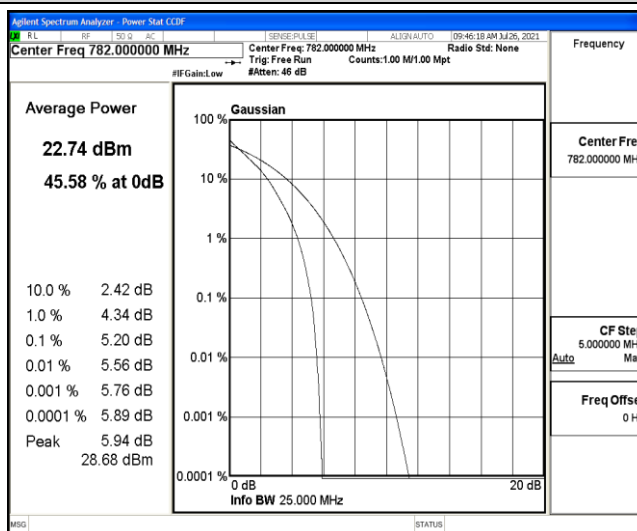


Test Graphs

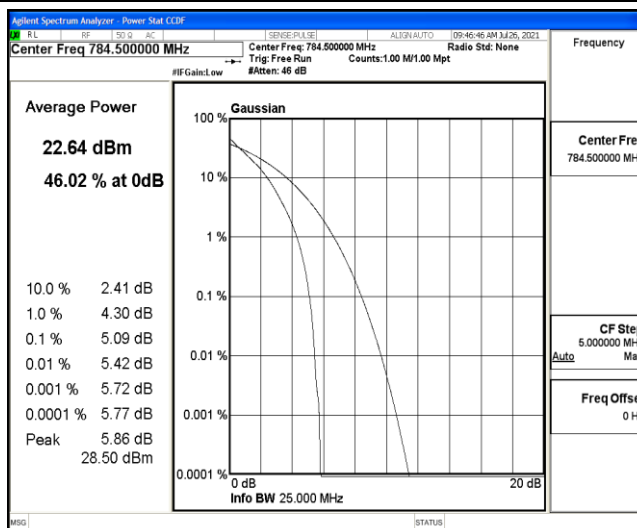
Band13-5MHz-QPSK-23205-25RB#0



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

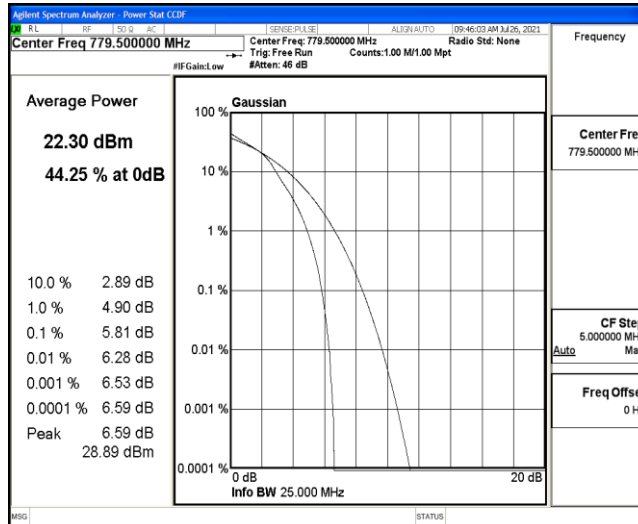


Band13-5MHz-QPSK-23255-25RB#0

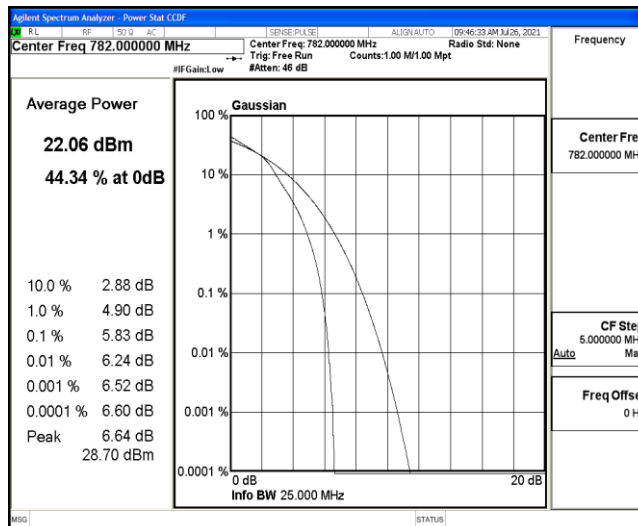




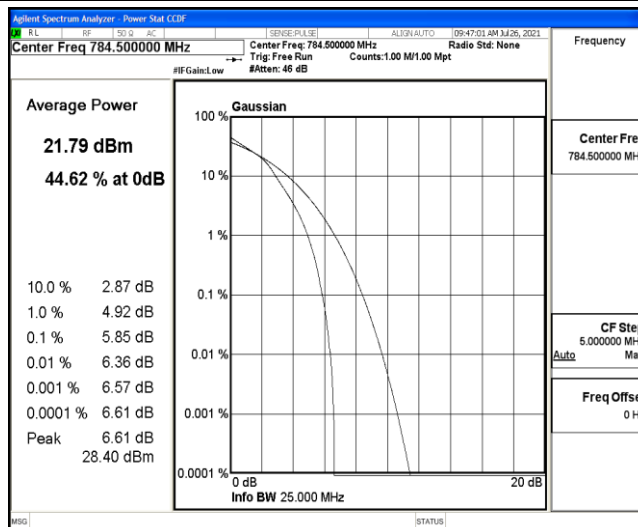
Band13-5MHz-16QAM-23205-25RB#0



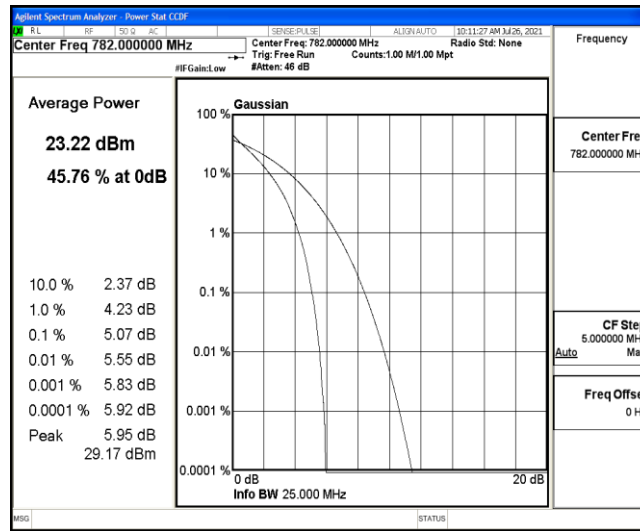
Band13-5MHz-16QAM-23230-25RB#0



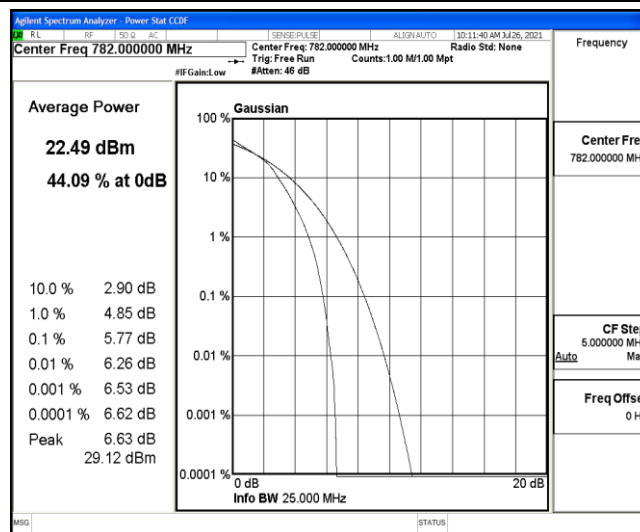
Band13-5MHz-16QAM-23255-25RB#0



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



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





H.3 26dB Bandwidth and Occupied Bandwidth

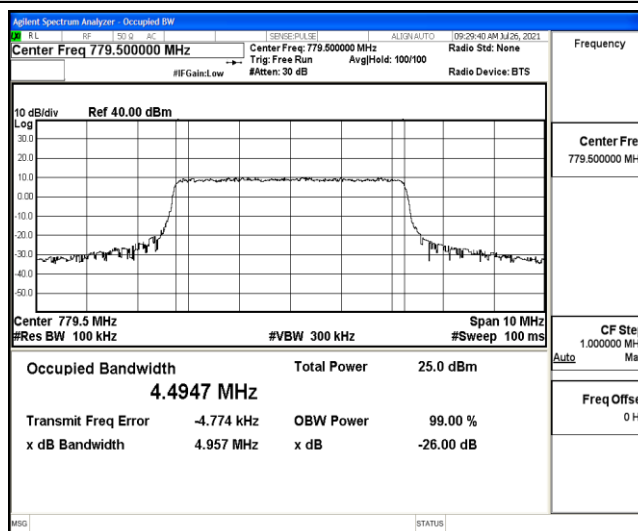
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4947	4.957	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4947	4.944	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4868	4.942	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5000	4.911	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4904	4.876	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4836	4.940	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9540	9.519	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9722	9.557	PASS

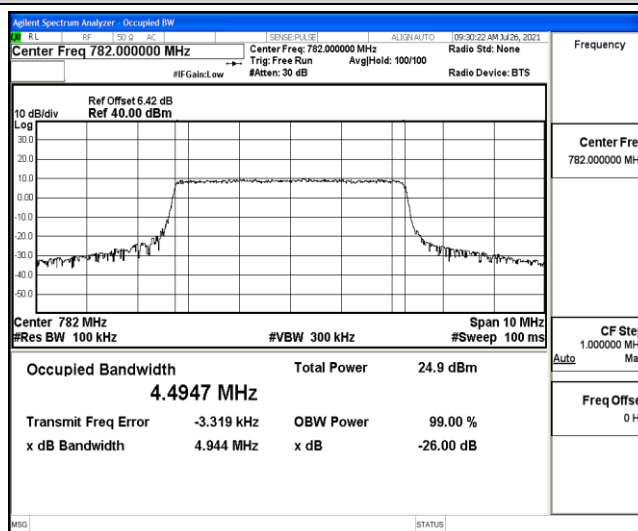


Test Graphs

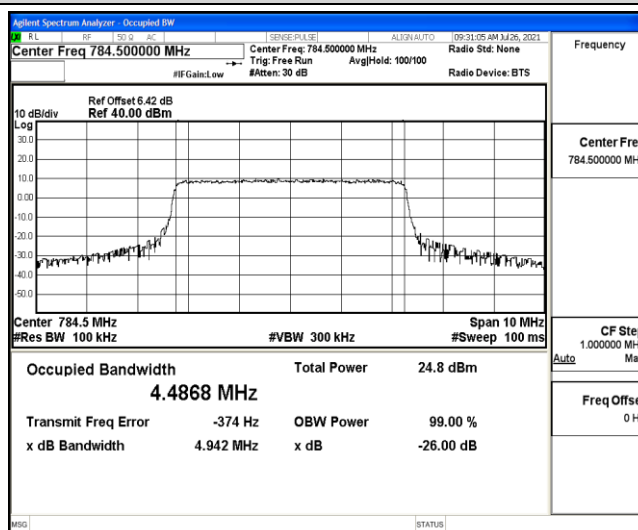
Band13-5MHz-QPSK-23205-25RB#0



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

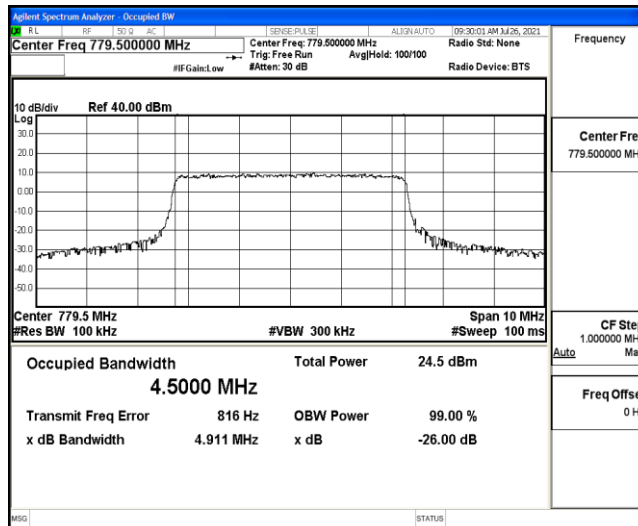


Band13-5MHz-QPSK-23255-25RB#0

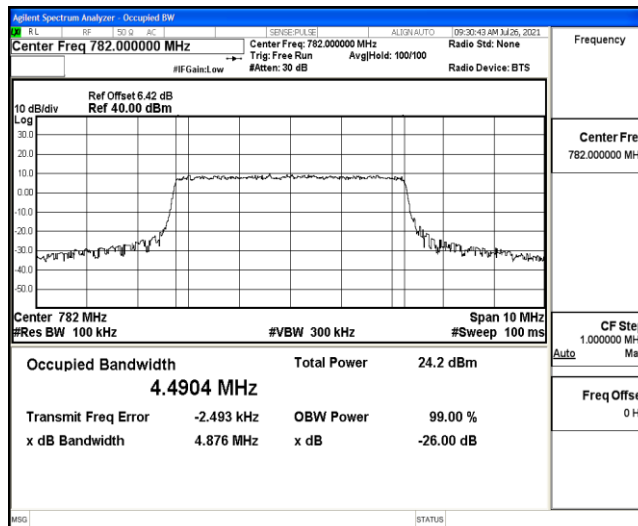




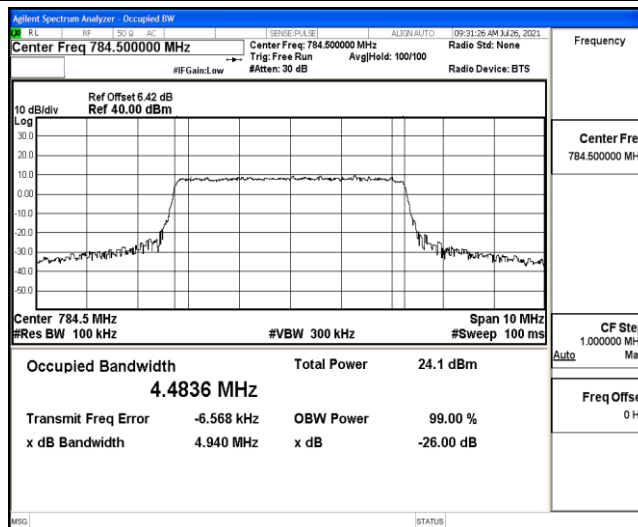
Band13-5MHz-16QAM-23205-25RB#0



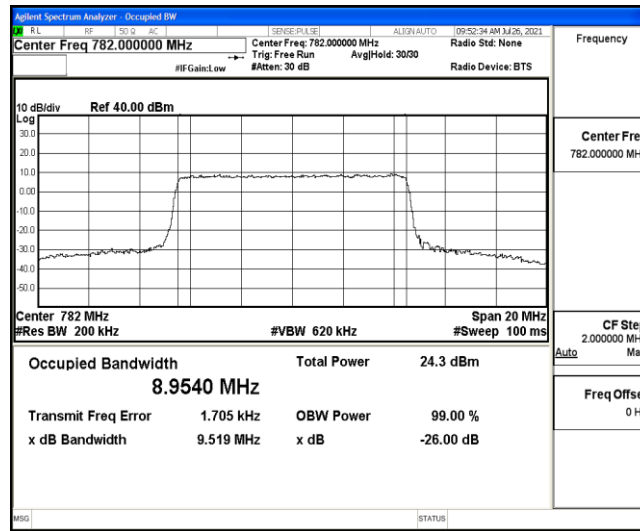
Band13-5MHz-16QAM-23230-25RB#0



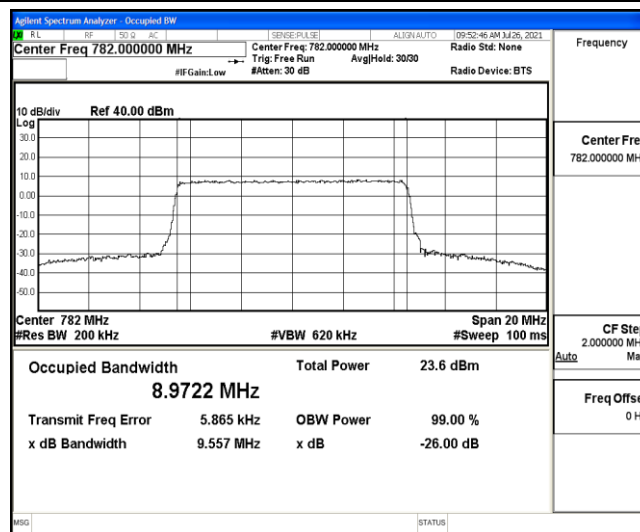
Band13-5MHz-16QAM-23255-25RB#0



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



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





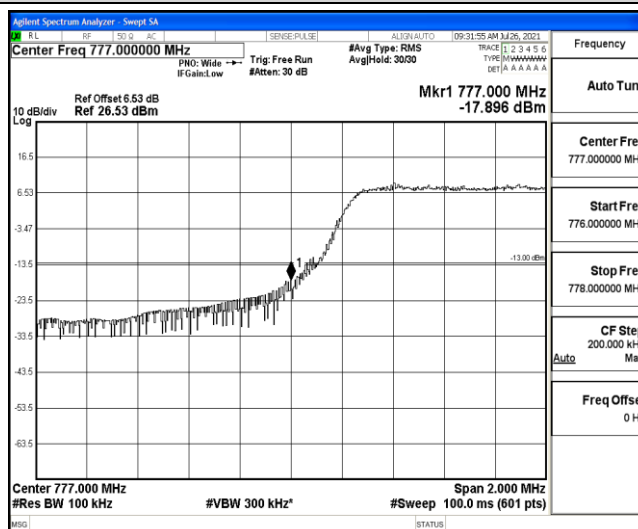
H.4 Band Edge

Test Result

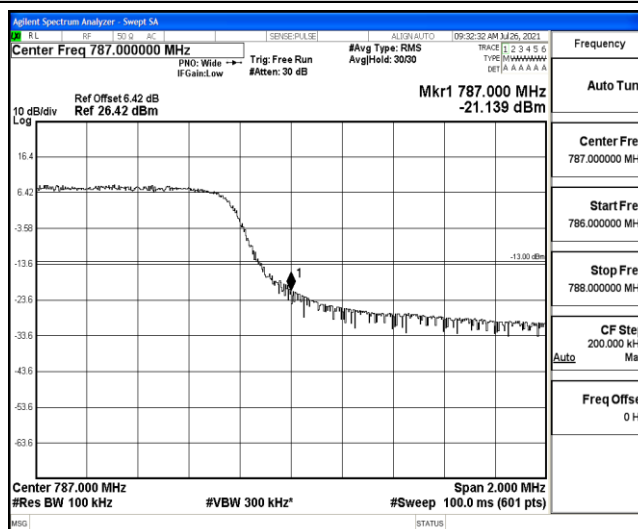
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	-17.90	PASS
Band13	5MHz	QPSK	23255	25RB#0	-21.14	PASS
Band13	5MHz	16QAM	23205	25RB#0	-20.49	PASS
Band13	5MHz	16QAM	23255	25RB#0	-18.89	PASS
Band13	10MHz	QPSK	23230	50RB#0	-25.19,-24.04	PASS
Band13	10MHz	16QAM	23230	50RB#0	-24.18,-23.70	PASS

Test Graphs

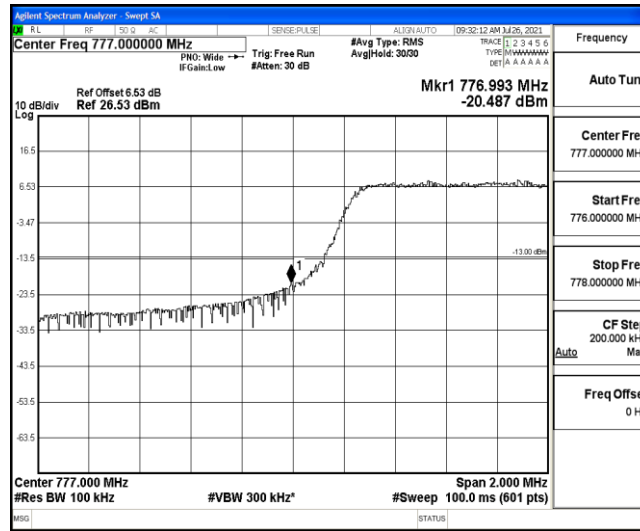
Band13-5MHz-QPSK-23205-25RB#0



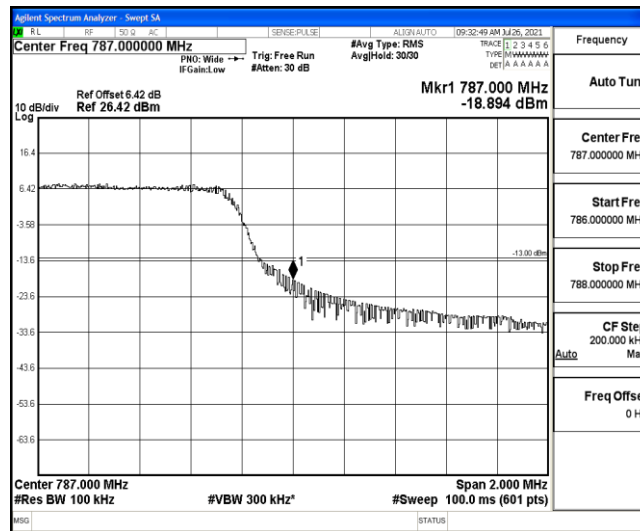
Band13-5MHz-QPSK-23255-25RB#0



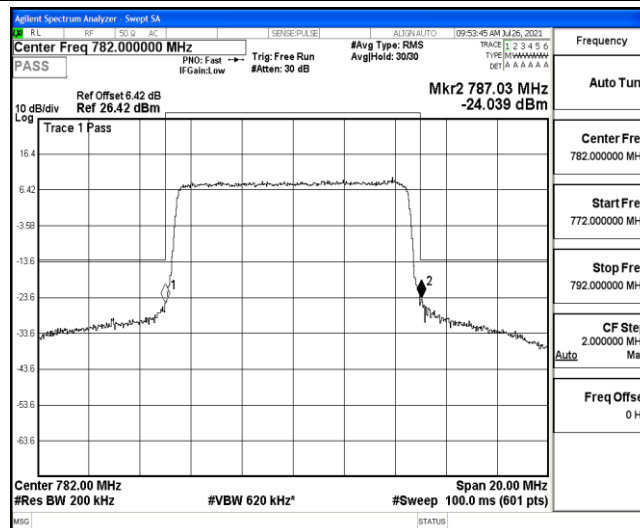
Band13-5MHz-16QAM-23205-25RB#0



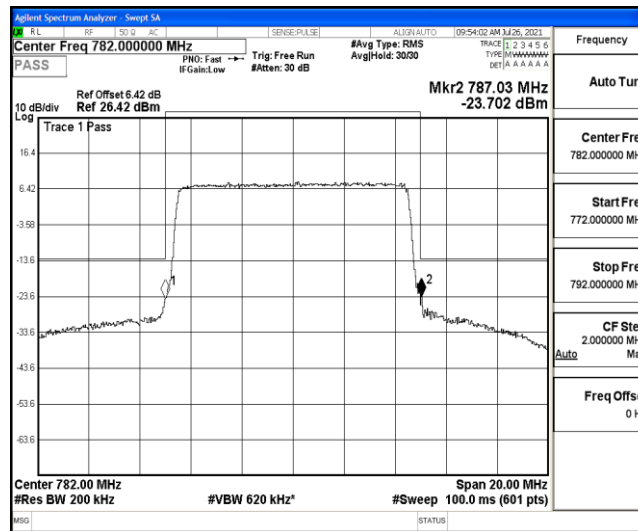
Band13-5MHz-16QAM-23255-25RB#0



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



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





H.5 Conducted Spurious Emission

Test Result

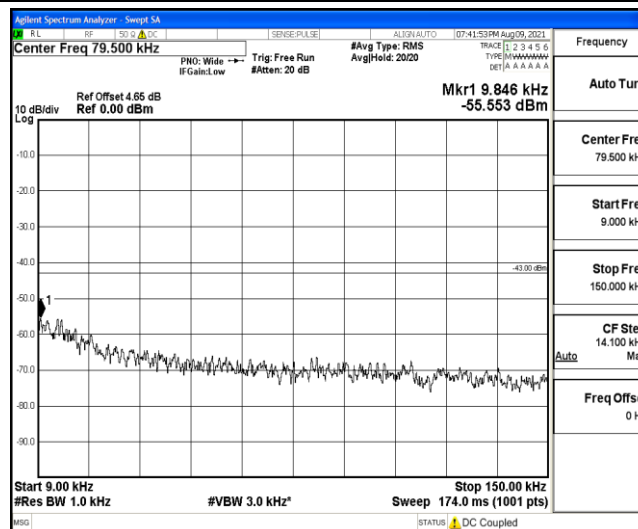
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	Range1:0.009~0.15MHz	-55.55	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range2:0.15~30MHz	-51.5	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range3:30~1000MHz	-41.01	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range5:763~775MHz	-50.46	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range6:793~805MHz	-60.53	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range4:1000~10000MHz	-44.5	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range7:1559~1610MHz	-61.78	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:0.009~0.15MHz	-54.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range2:0.15~30MHz	-49.93	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range3:30~1000MHz	-40.85	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range5:763~775MHz	-59.36	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range6:793~805MHz	-60.51	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range4:1000~10000MHz	-44.45	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range7:1559~1610MHz	-61.78	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:0.009~0.15MHz	-52.41	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range2:0.15~30MHz	-48.16	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range3:30~1000MHz	-41.08	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range5:763~775MHz	-56.41	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range6:793~805MHz	-60.89	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range4:1000~10000MHz	-44.31	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range7:1559~1610MHz	-61.97	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:0.009~0.15MHz	-53.67	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range2:0.15~30MHz	-48.99	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range3:30~1000MHz	-40.62	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range5:763~775MHz	-50.73	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range6:793~805MHz	-59.51	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range4:1000~10000MHz	-44.46	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range7:1559~1610MHz	-61.97	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:0.009~0.15MHz	-54.3	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range2:0.15~30MHz	-49.86	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range3:30~1000MHz	-40.89	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range5:763~775MHz	-60.31	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range6:793~805MHz	-59.64	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range4:1000~10000MHz	-44.45	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range7:1559~1610MHz	-63.67	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range1:0.009~0.15MHz	-53.81	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range2:0.15~30MHz	-50.79	PASS



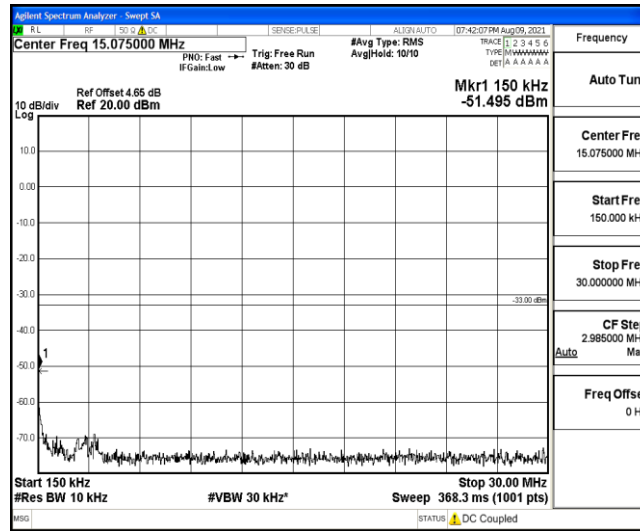
Band13	5MHz	16QAM	23255	1RB#0	Range3:30~1000MHz	-41.05	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range5:763~775MHz	-56.57	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range6:793~805MHz	-60.74	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range4:1000~10000MHz	-44.63	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range7:1559~1610MHz	-63.668	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range1:0.009~0.15MHz	-54.76	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range2:0.15~30MHz	-50.6	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range3:30~1000MHz	-41.1	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range5:763~775MHz	-52.13	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range6:793~805MHz	-53.05	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range4:1000~10000MHz	-44.44	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range7:1559~1610MHz	-61.74	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range1:0.009~0.15MHz	-55.05	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range2:0.15~30MHz	-50.53	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range3:30~1000MHz	-41.23	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range5:763~775MHz	-52.28	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range6:793~805MHz	-55.12	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range4:1000~10000MHz	-44.36	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range7:1559~1610MHz	-61.7	PASS

Test Graphs

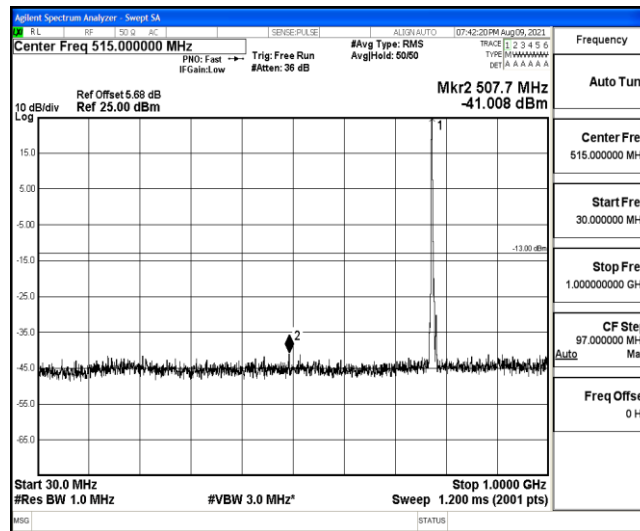
Band13-5MHz-QPSK-23205-1RB#0-Range1:0.009~0.15MHz



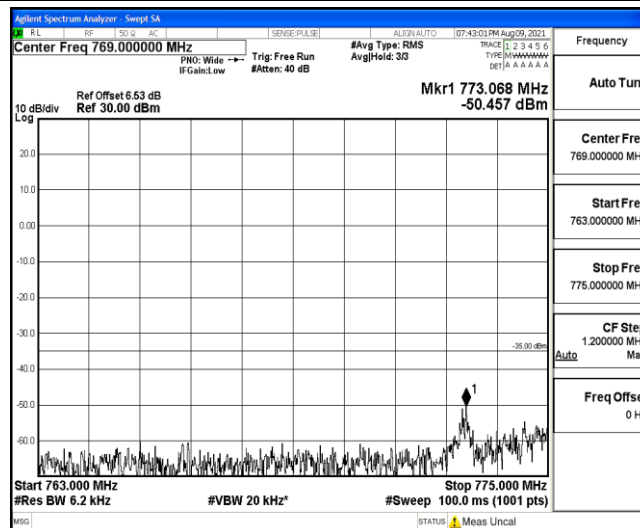
Band13-5MHz-QPSK-23205-1RB#0-Range2:0.15~30MHz



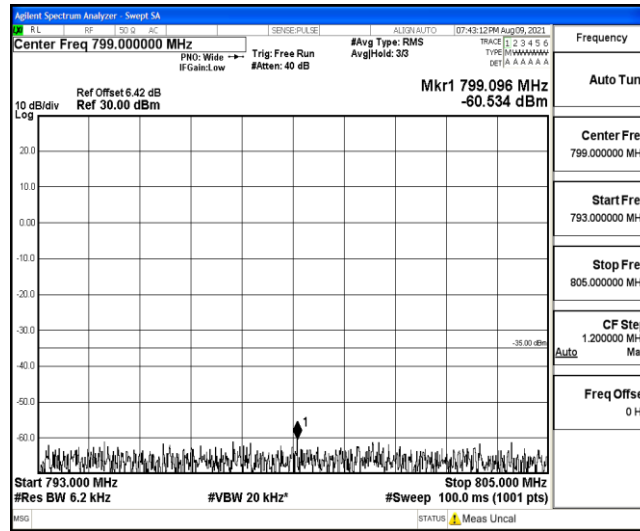
Band13-5MHz-QPSK-23205-1RB#0-Range3:30~1000MHz



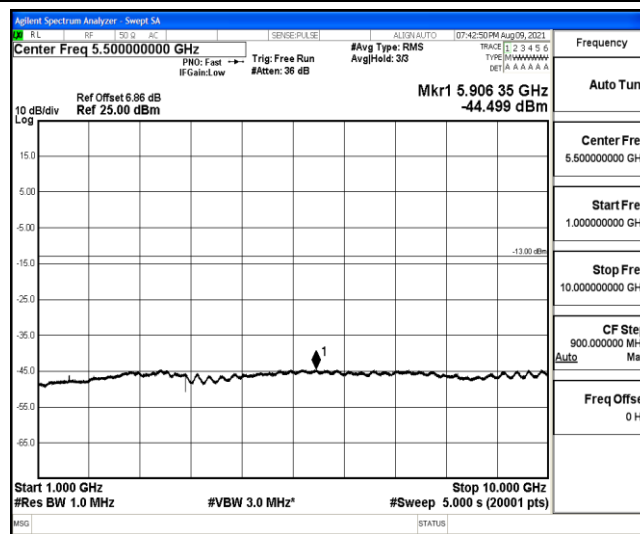
Band13-5MHz-QPSK-23205-1RB#0-Range5:763~775MHz



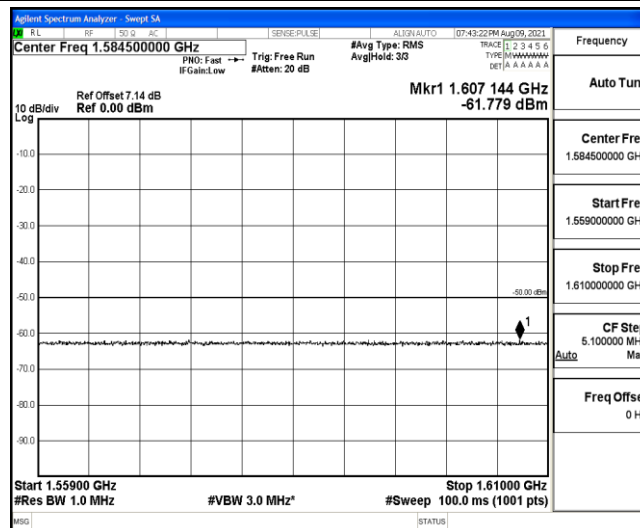
Band13-5MHz-QPSK-23205-1RB#0-Range6:793~805MHz



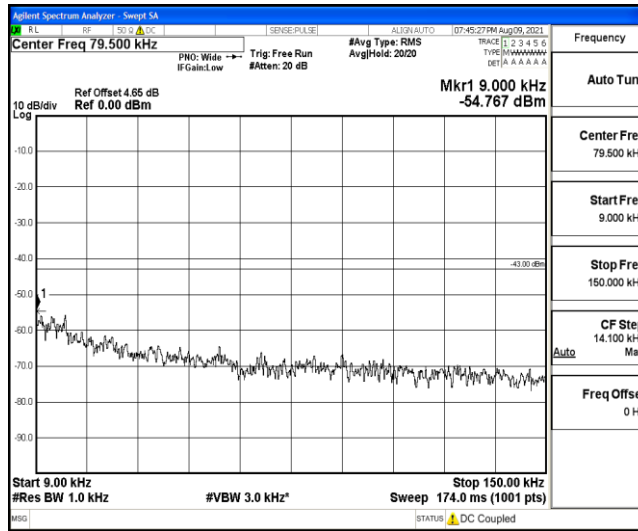
Band13-5MHz-QPSK-23205-1RB#0-Range4:1000~10000MHz



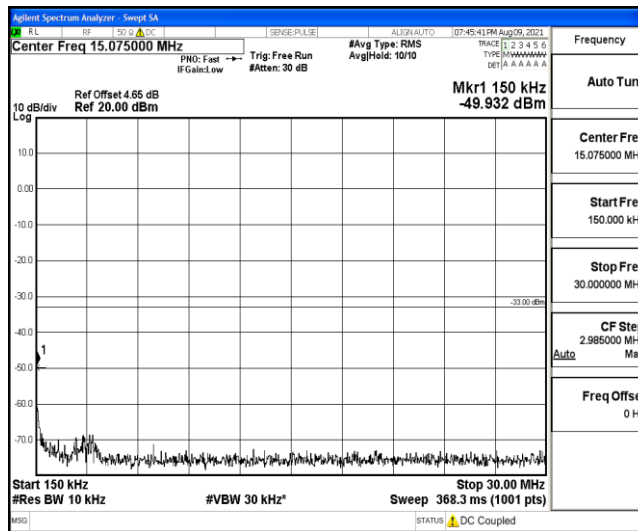
Band13-5MHz-QPSK-23205-1RB#0-Range7:1559~1610MHz



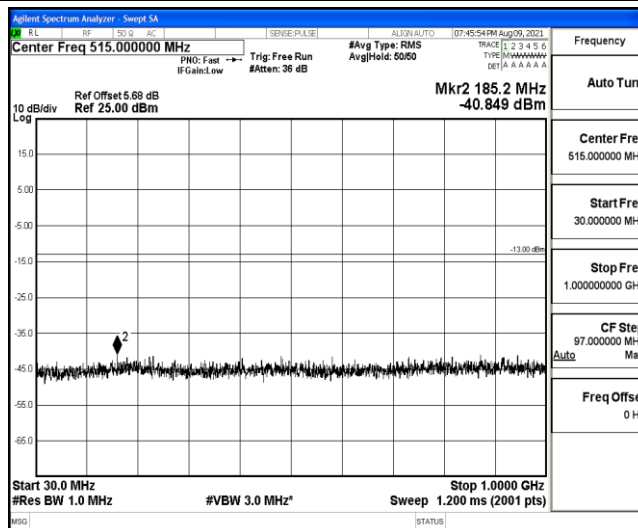
Band13-5MHz-QPSK-23230-1RB#0-Range1:0.009~0.15MHz



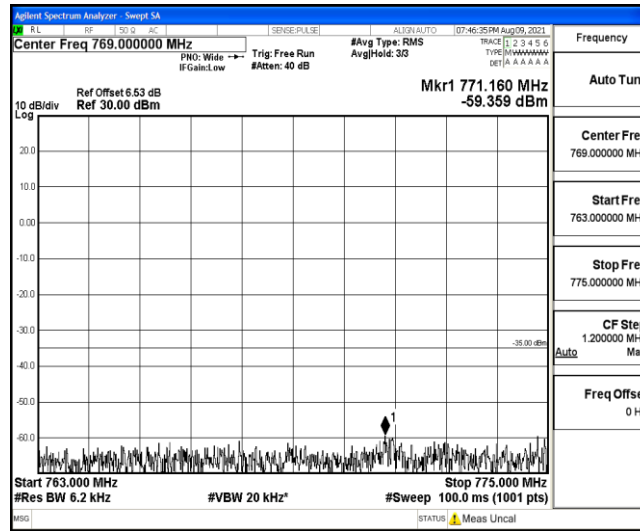
Band13-5MHz-QPSK-23230-1RB#0-Range2:0.15~30MHz



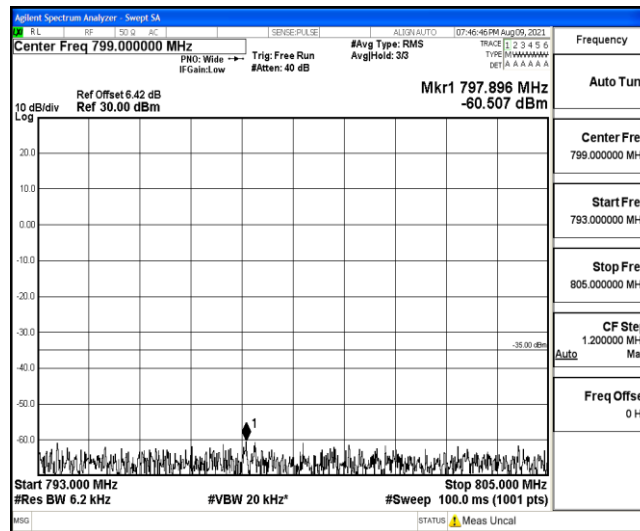
Band13-5MHz-QPSK-23230-1RB#0-Range3:30~1000MHz



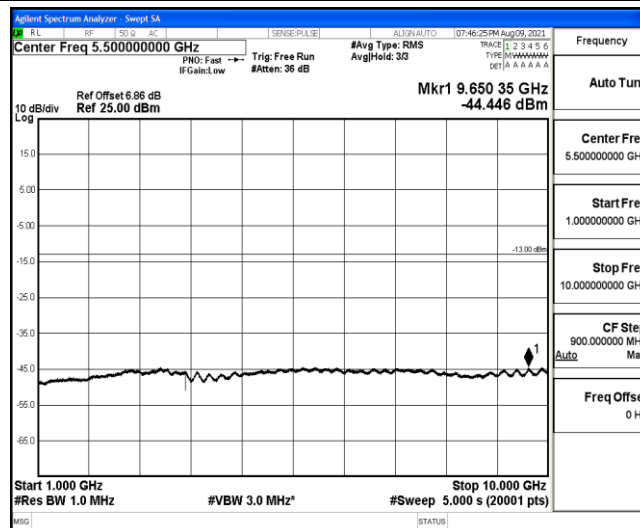
Band13-5MHz-QPSK-23230-1RB#0-Range5:763~775MHz



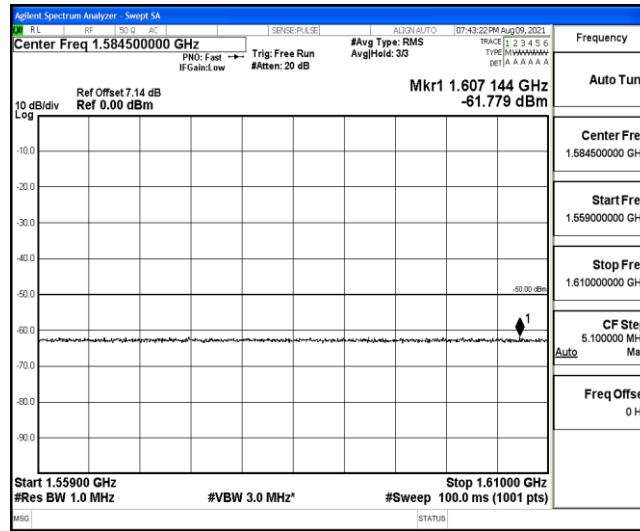
Band13-5MHz-QPSK-23230-1RB#0-Range6:793~805MHz



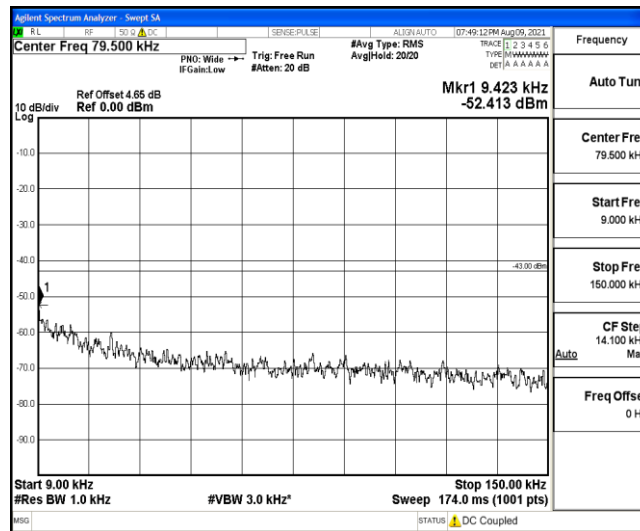
Band13-5MHz-QPSK-23230-1RB#0-Range4:1000~10000MHz



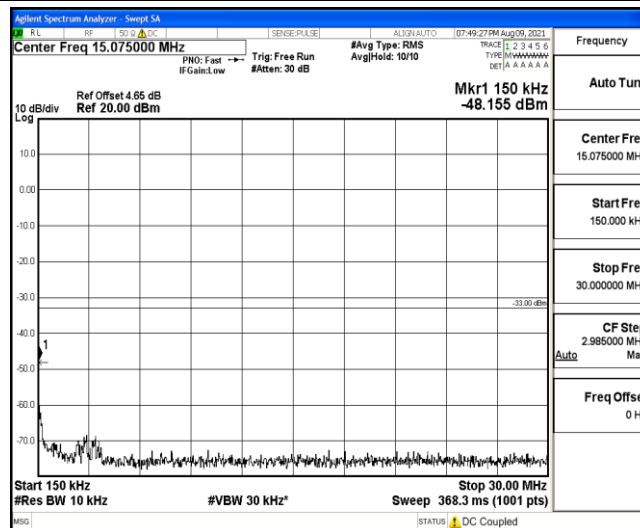
Band13-5MHz-QPSK-23230-1RB#0-Range7:1559~1610MHz



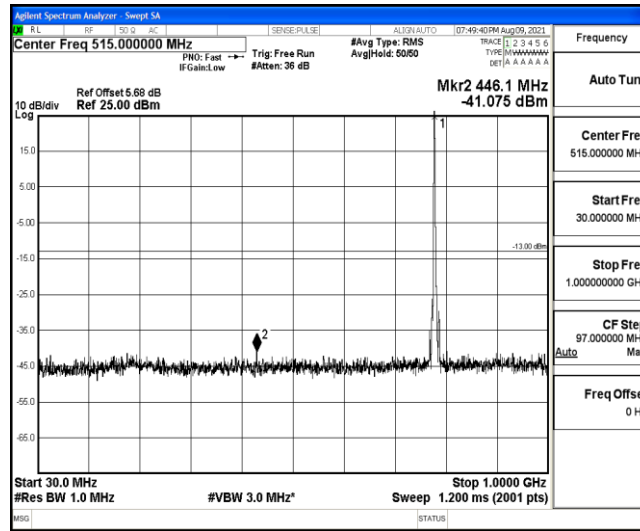
Band13-5MHz-QPSK-23255-1RB#0-Range1:0.009~0.15MHz



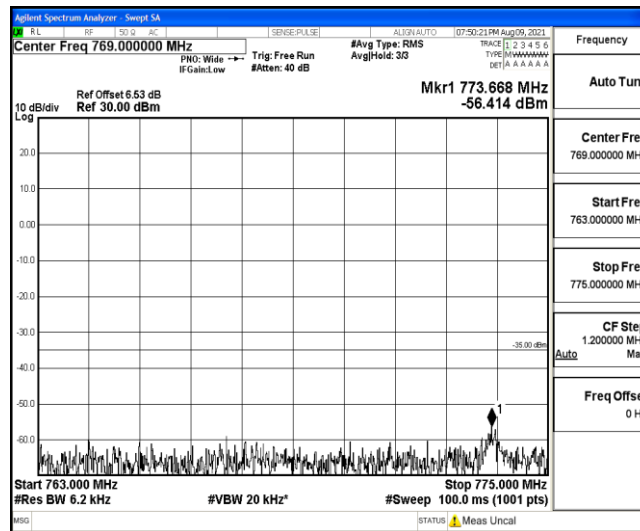
Band13-5MHz-QPSK-23255-1RB#0-Range2:0.15~30MHz



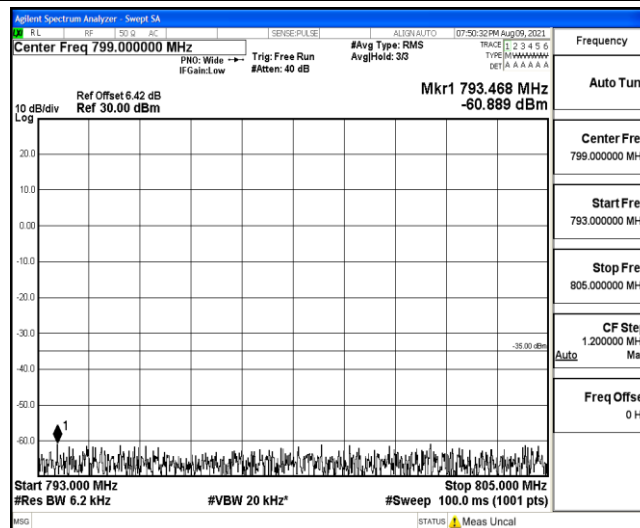
Band13-5MHz-QPSK-23255-1RB#0-Range3:30~1000MHz



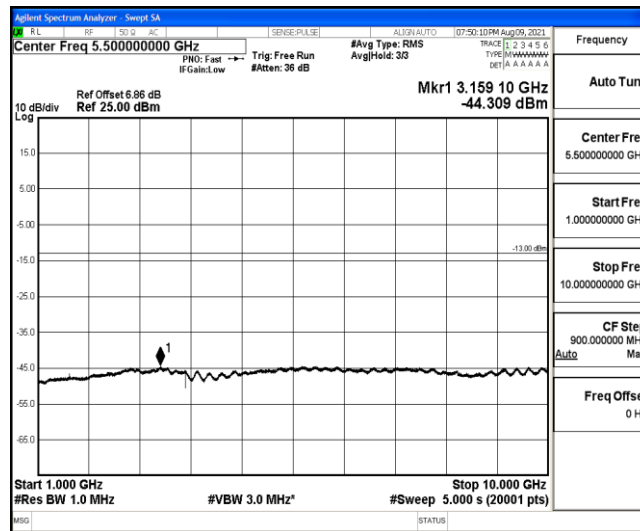
Band13-5MHz-QPSK-23255-1RB#0-Range5:763~775MHz



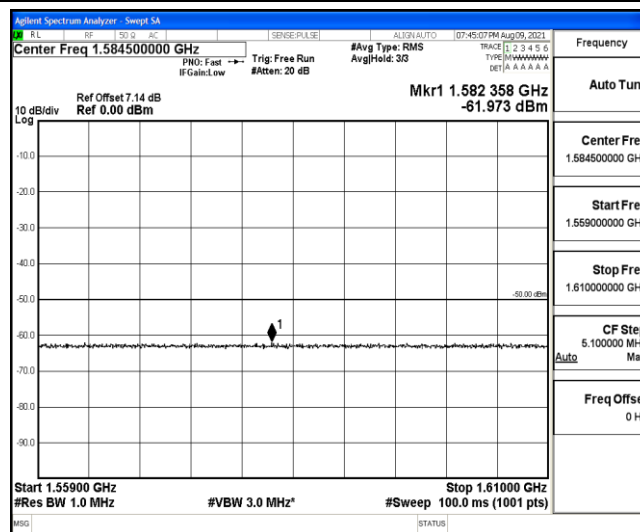
Band13-5MHz-QPSK-23255-1RB#0-Range6:793~805MHz



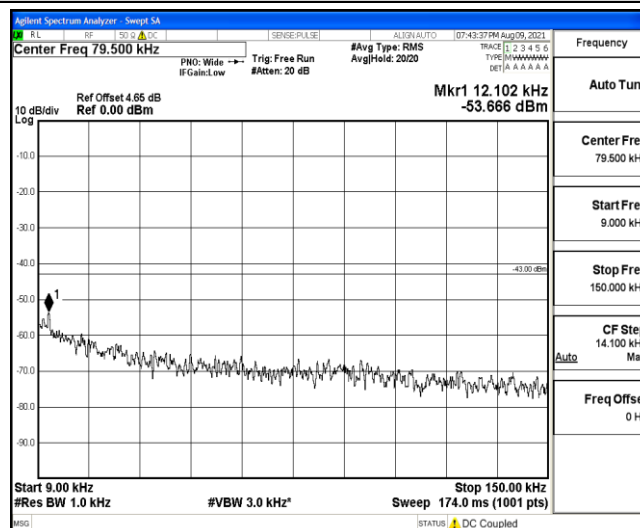
Band13-5MHz-QPSK-23255-1RB#0-Range4:1000~10000MHz



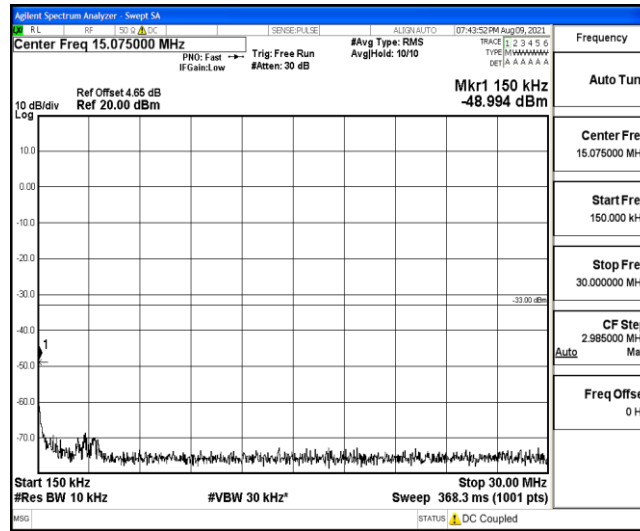
Band13-5MHz-QPSK-23255-1RB#0-Range7:1559~1610MHz



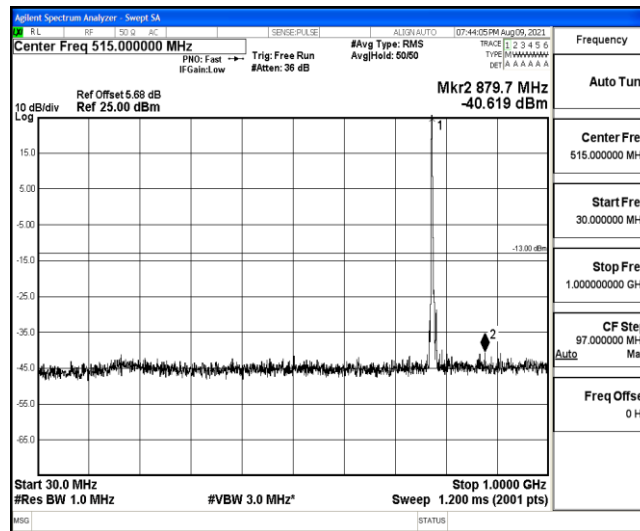
Band13-5MHz-16QAM-23205-1RB#0-Range1:0.009~0.15MHz



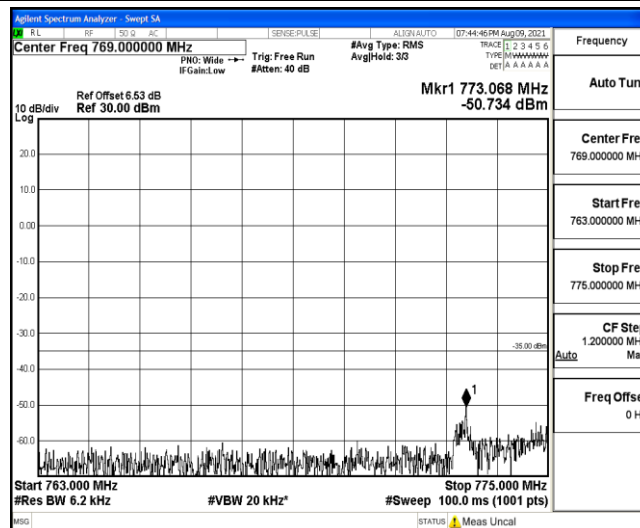
Band13-5MHz-16QAM-23205-1RB#0-Range2:0.15~30MHz



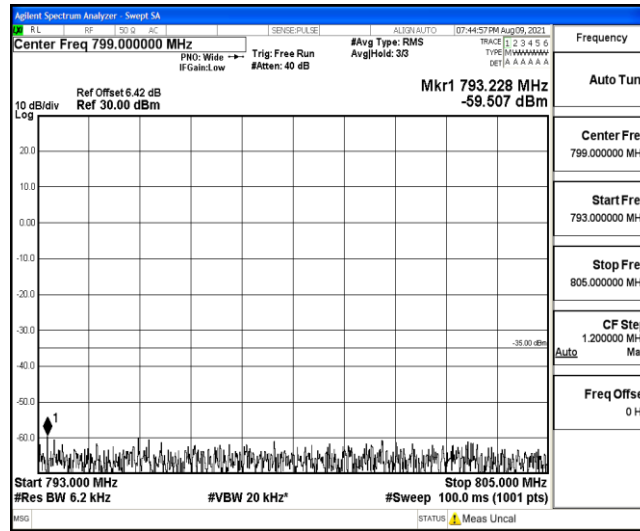
Band13-5MHz-16QAM-23205-1RB#0-Range3:30~1000MHz



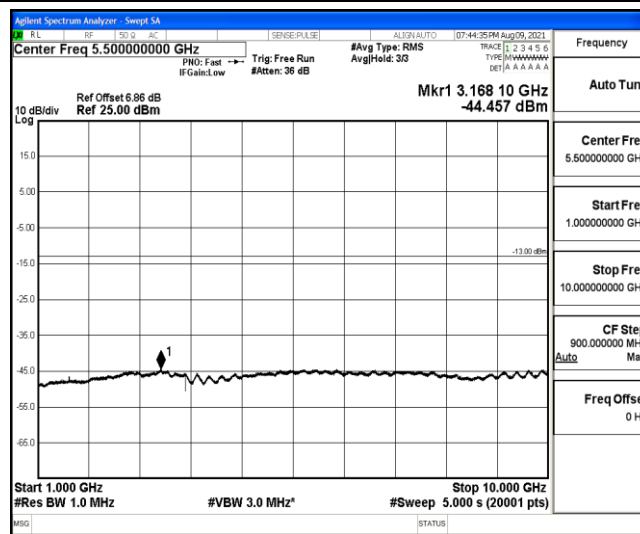
Band13-5MHz-16QAM-23205-1RB#0-Range5:763~775MHz



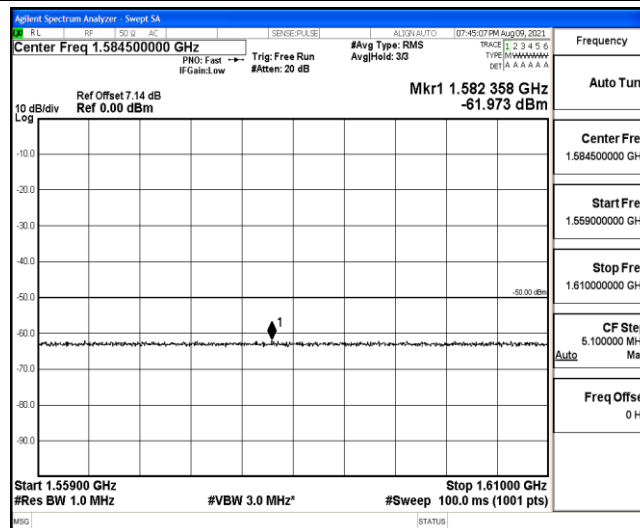
Band13-5MHz-16QAM-23205-1RB#0-Range6:793~805MHz



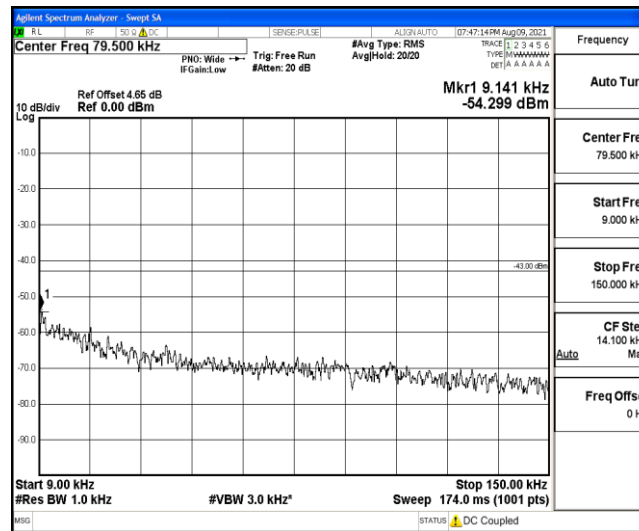
Band13-5MHz-16QAM-23205-1RB#0-Range4:1000~10000MHz



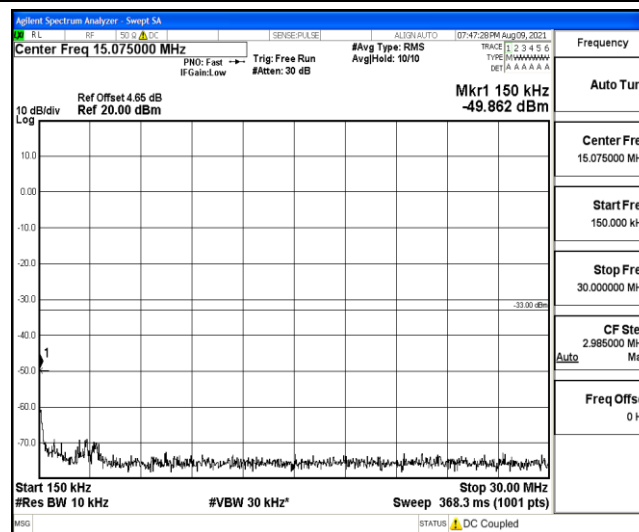
Band13-5MHz-16QAM-23205-1RB#0-Range7:1559~1610MHz



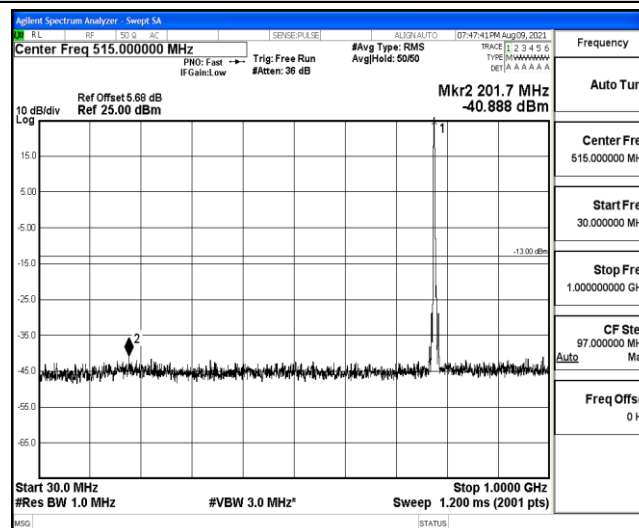
Band13-5MHz-16QAM-23230-1RB#0-Range1:0.009~0.15MHz



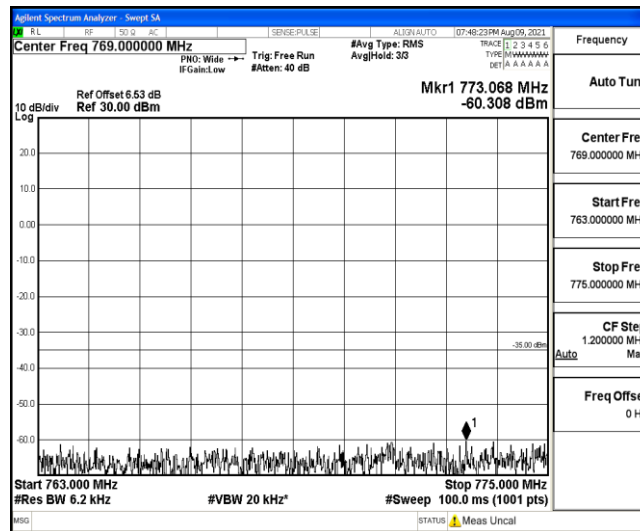
Band13-5MHz-16QAM-23230-1RB#0-Range2:0.15~30MHz



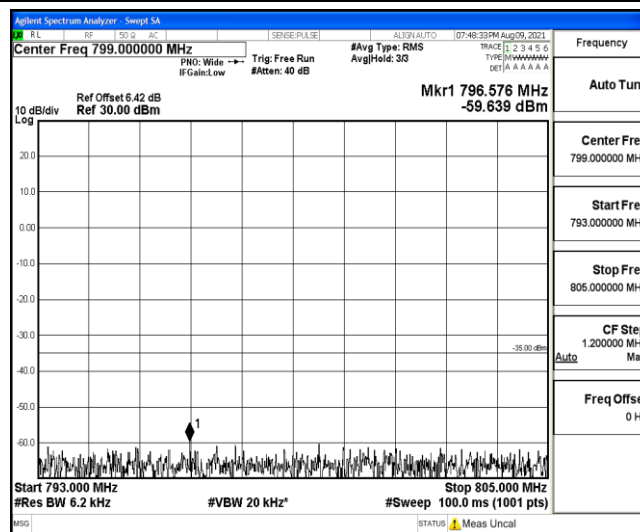
Band13-5MHz-16QAM-23230-1RB#0-Range3:30~1000MHz



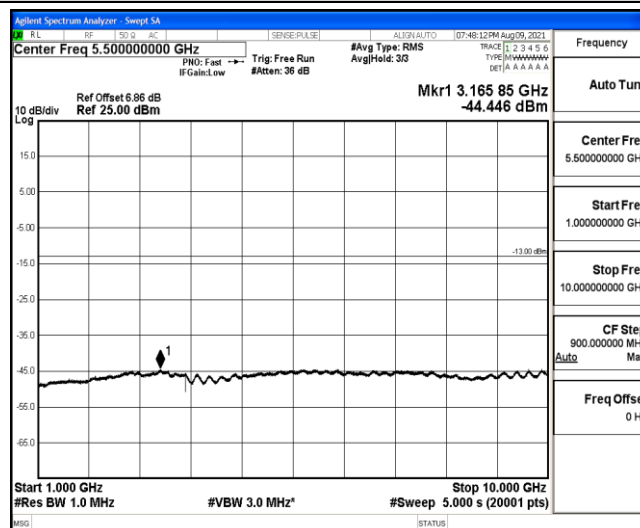
Band13-5MHz-16QAM-23230-1RB#0-Range5:763~775MHz



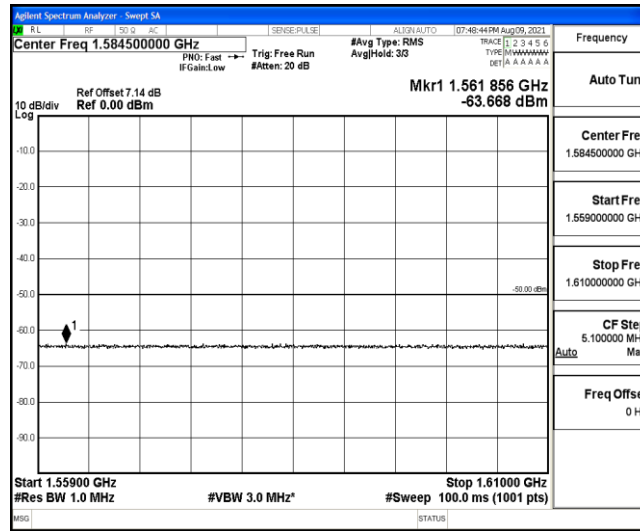
Band13-5MHz-16QAM-23230-1RB#0-Range6:793~805MHz



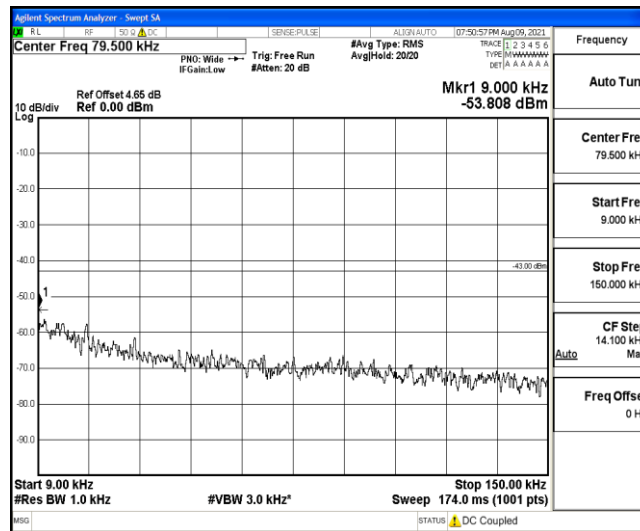
Band13-5MHz-16QAM-23230-1RB#0-Range4:1000~10000MHz



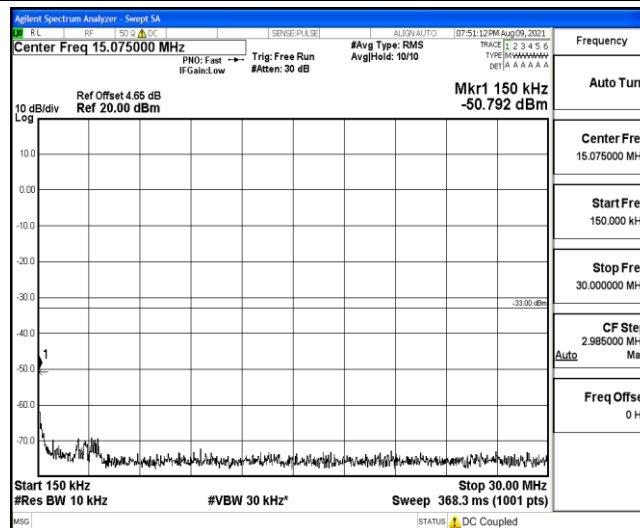
Band13-5MHz-16QAM-23230-1RB#0-Range7:1559~1610MHz



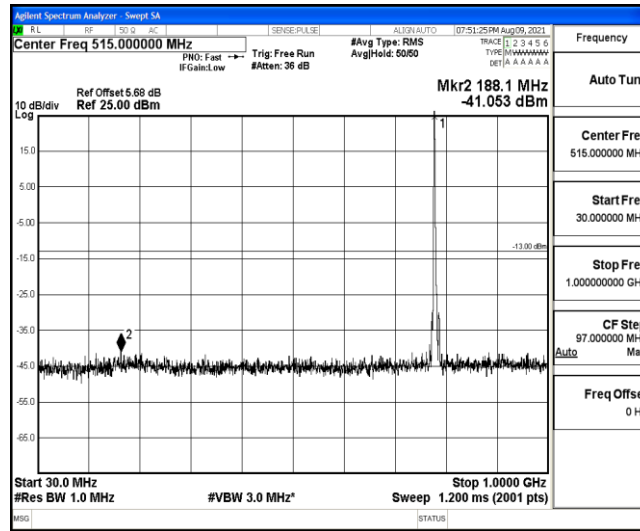
Band13-5MHz-16QAM-23255-1RB#0-Range1:0.009~0.15MHz



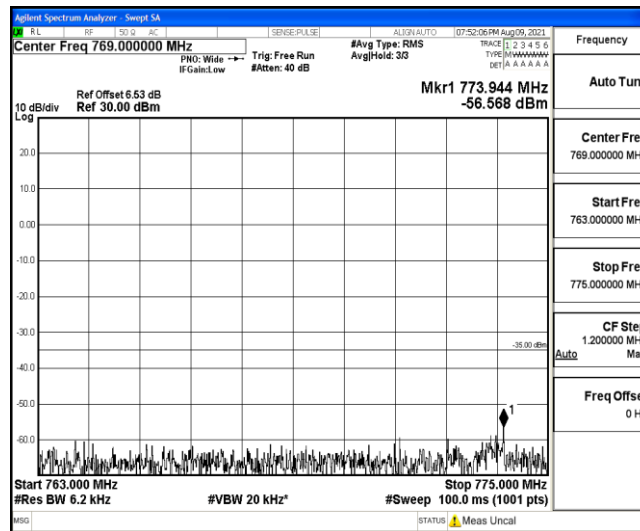
Band13-5MHz-16QAM-23255-1RB#0-Range2:0.15~30MHz



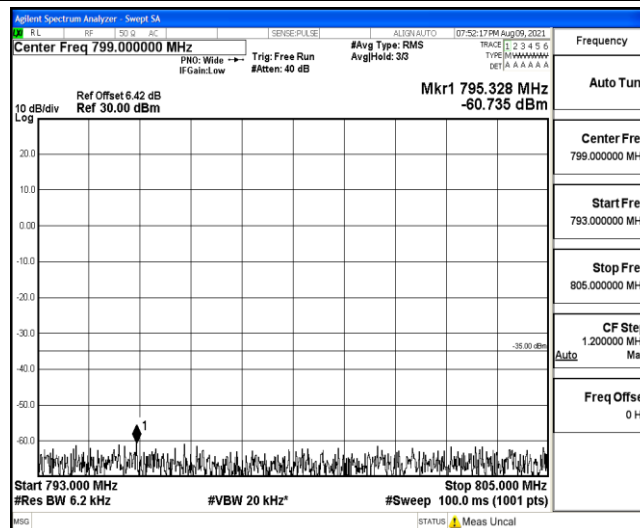
Band13-5MHz-16QAM-23255-1RB#0-Range3:30~1000MHz



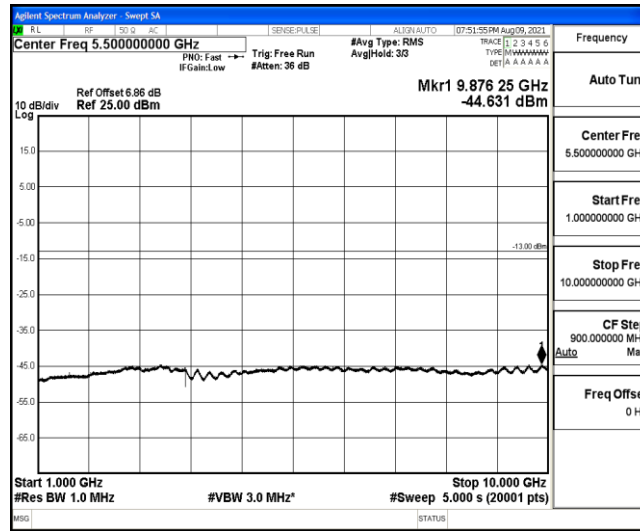
Band13-5MHz-16QAM-23255-1RB#0-Range5:763~775MHz



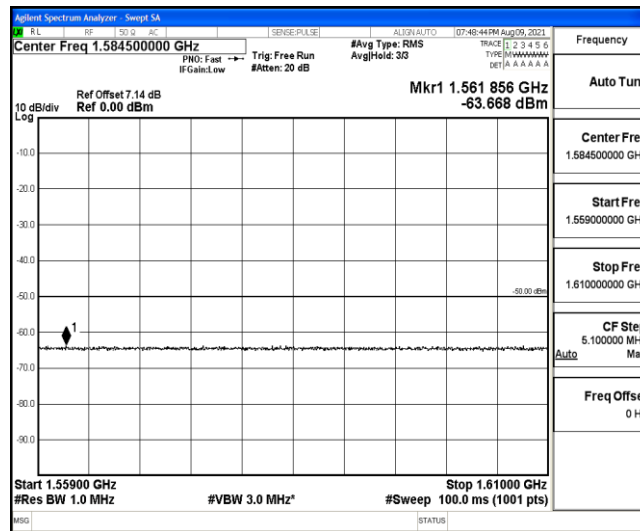
Band13-5MHz-16QAM-23255-1RB#0-Range6:793~805MHz



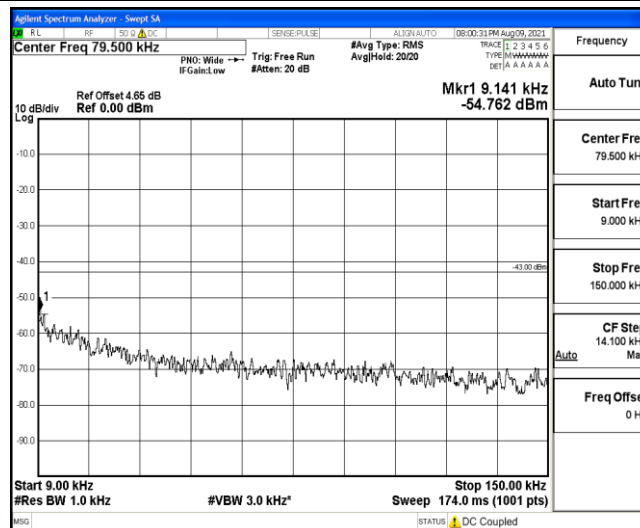
Band13-5MHz-16QAM-23255-1RB#0-Range4:1000~10000MHz



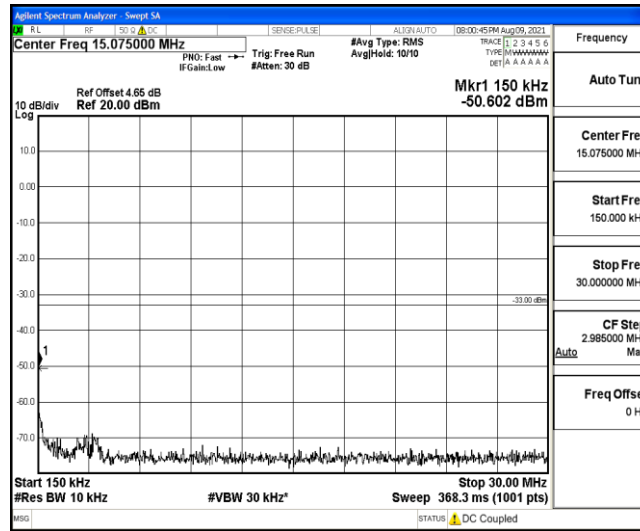
Band13-5MHz-16QAM-23255-1RB#0-Range7:1559~1610MHz



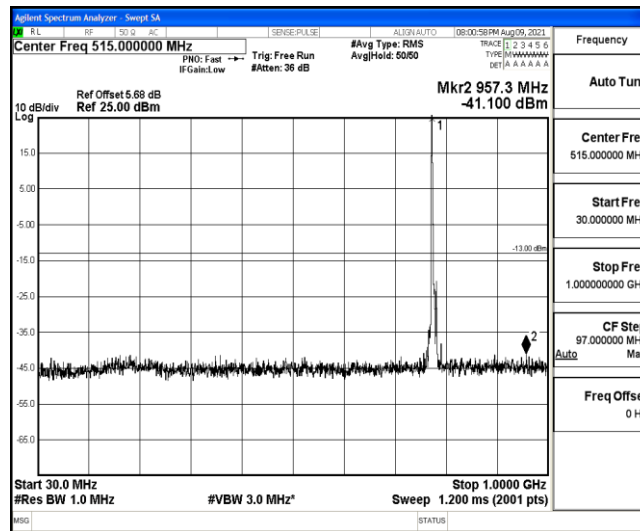
Band13-10MHz-QPSK-23230-1RB#0-Range1:0.009~0.15MHz



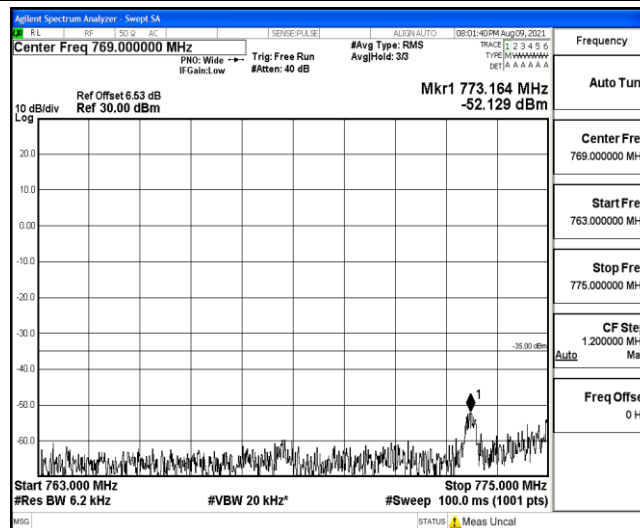
Band13-10MHz-QPSK-23230-1RB#0-Range2:0.15~30MHz



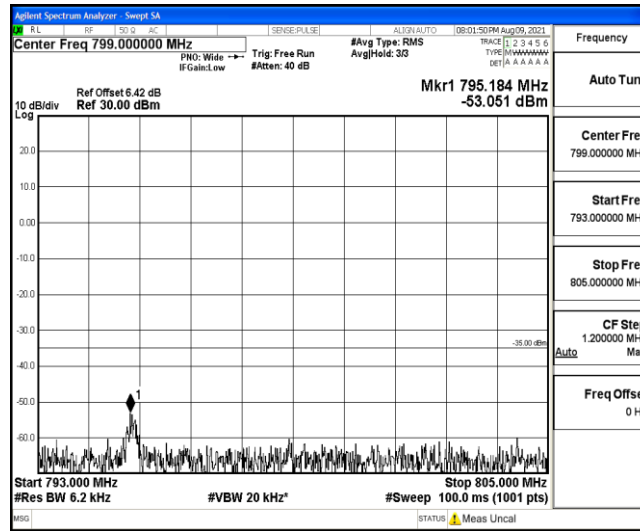
Band13-10MHz-QPSK-23230-1RB#0-Range3:30~1000MHz



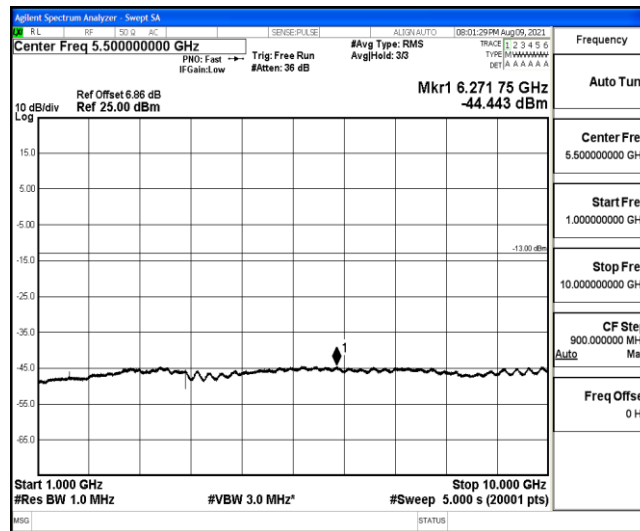
Band13-10MHz-QPSK-23230-1RB#0-Range5:763~775MHz



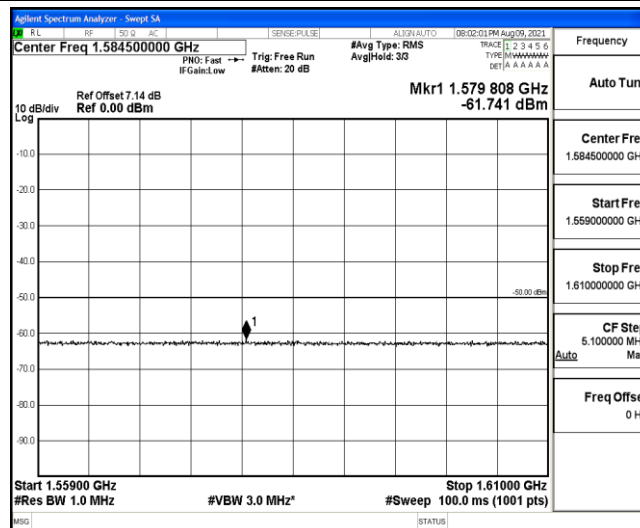
Band13-10MHz-QPSK-23230-1RB#0-Range6:793~805MHz



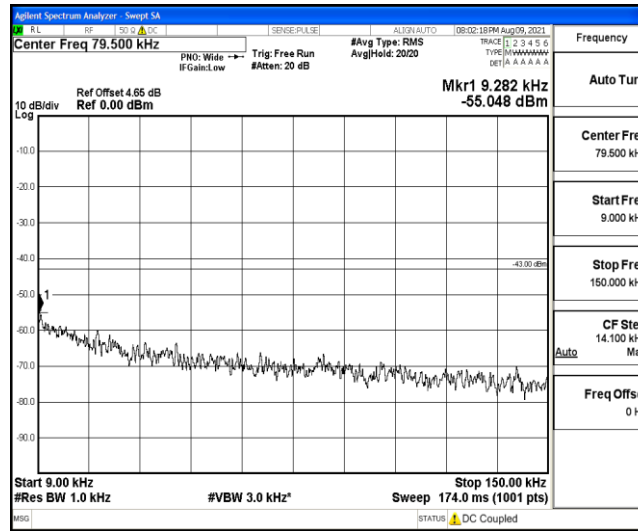
Band13-10MHz-QPSK-23230-1RB#0-Range4:1000~10000MHz



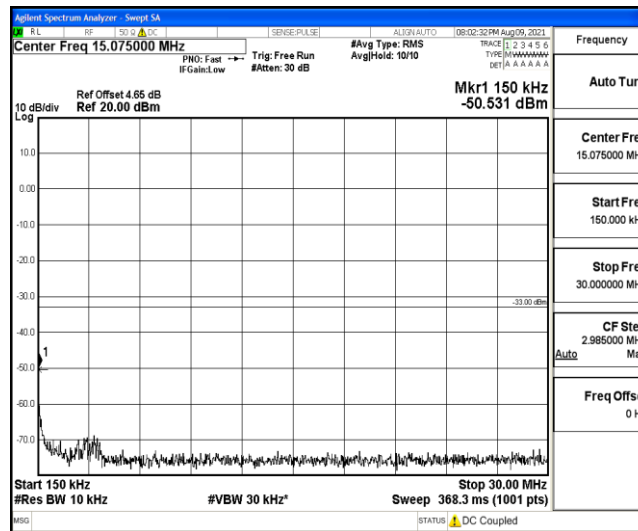
Band13-10MHz-QPSK-23230-1RB#0-Range7:1559~1610MHz



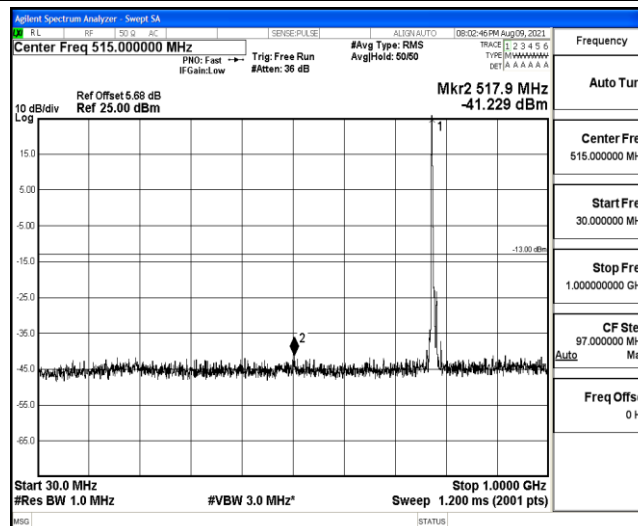
Band13-10MHz-16QAM-23230-1RB#0-Range1:0.009~0.15MHz



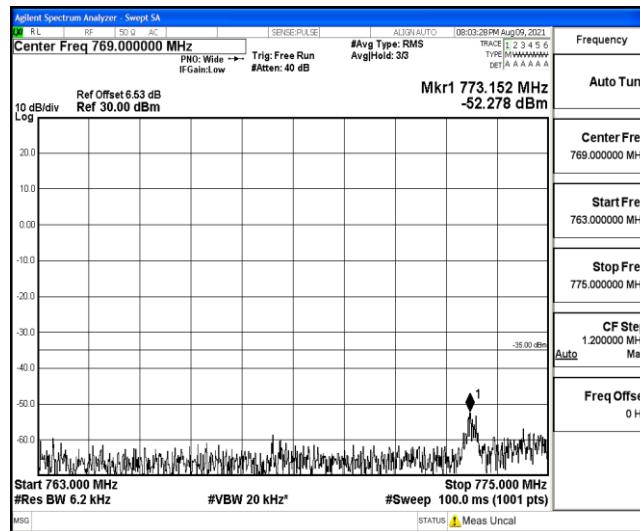
Band13-10MHz-16QAM-23230-1RB#0-Range2:0.15~30MHz



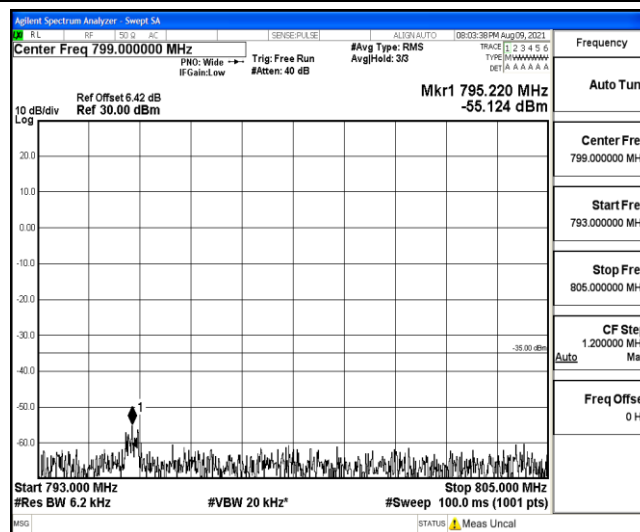
Band13-10MHz-16QAM-23230-1RB#0-Range3:30~1000MHz



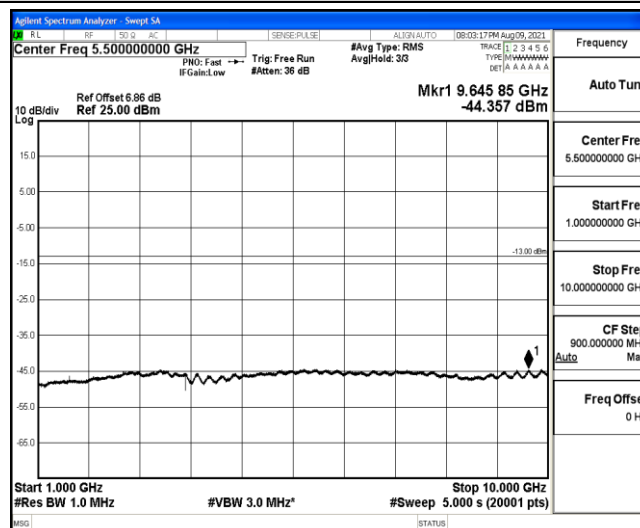
Band13-10MHz-16QAM-23230-1RB#0-Range5:763~775MHz



Band13-10MHz-16QAM-23230-1RB#0-Range6:793~805MHz



Band13-10MHz-16QAM-23230-1RB#0-Range4:1000~10000MHz



Band13-10MHz-16QAM-23230-1RB#0-Range7:1559~1610MHz

