



Appendix F: Test Data for E-UTRA Band 5

Product Name: Tablet PC

Test Model: 10LC1

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu



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Scan code to check authenticity



F.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	21.93	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.09	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.03	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.12	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.13	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.15	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	20.98	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	21.97	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.00	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	21.92	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.00	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.00	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	21.90	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	20.94	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.05	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	21.93	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	21.92	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	21.92	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	21.89	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	21.84	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	20.83	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.49	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.53	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.69	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	20.68	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	20.68	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	20.69	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.26	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	20.46	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	20.83	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	20.66	PASS





Band5	1.4MHz	16QAM	20525	3RB#0	20.69	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	20.57	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	20.62	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.40	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.26	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	20.99	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	20.97	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	20.69	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	20.69	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	20.56	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.46	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.02	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.06	PASS
Band5	3MHz	QPSK	20415	1RB#14	21.86	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.11	PASS
Band5	3MHz	QPSK	20415	8RB#4	20.94	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.32	PASS
Band5	3MHz	QPSK	20415	15RB#0	20.96	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.00	PASS
Band5	3MHz	QPSK	20525	1RB#8	21.89	PASS
Band5	3MHz	QPSK	20525	1RB#14	21.99	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.02	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.02	PASS
Band5	3MHz	QPSK	20525	8RB#7	20.89	PASS
Band5	3MHz	QPSK	20525	15RB#0	20.96	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.11	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.10	PASS
Band5	3MHz	QPSK	20635	1RB#14	21.97	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.05	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.06	PASS
Band5	3MHz	QPSK	20635	8RB#7	20.74	PASS
Band5	3MHz	QPSK	20635	15RB#0	20.99	PASS
Band5	3MHz	16QAM	20415	1RB#0	20.78	PASS
Band5	3MHz	16QAM	20415	1RB#8	20.61	PASS
Band5	3MHz	16QAM	20415	1RB#14	20.68	PASS





Band5	3MHz	16QAM	20415	8RB#0	20.18	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.18	PASS
Band5	3MHz	16QAM	20415	8RB#7	19.92	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.08	PASS
Band5	3MHz	16QAM	20525	1RB#0	20.63	PASS
Band5	3MHz	16QAM	20525	1RB#8	20.78	PASS
Band5	3MHz	16QAM	20525	1RB#14	20.85	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.49	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.49	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.53	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.33	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.26	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.19	PASS
Band5	3MHz	16QAM	20635	1RB#14	20.99	PASS
Band5	3MHz	16QAM	20635	8RB#0	19.97	PASS
Band5	3MHz	16QAM	20635	8RB#4	19.99	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.28	PASS
Band5	3MHz	16QAM	20635	15RB#0	19.89	PASS
Band5	5MHz	QPSK	20425	1RB#0	21.99	PASS
Band5	5MHz	QPSK	20425	1RB#12	21.92	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.07	PASS
Band5	5MHz	QPSK	20425	12RB#0	20.97	PASS
Band5	5MHz	QPSK	20425	12RB#6	20.80	PASS
Band5	5MHz	QPSK	20425	12RB#13	20.74	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.15	PASS
Band5	5MHz	QPSK	20525	1RB#0	21.88	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.09	PASS
Band5	5MHz	QPSK	20525	1RB#24	21.85	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.04	PASS
Band5	5MHz	QPSK	20525	12RB#6	20.93	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.01	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.04	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.00	PASS
Band5	5MHz	QPSK	20625	1RB#12	21.98	PASS
Band5	5MHz	QPSK	20625	1RB#24	21.87	PASS





Band5	5MHz	QPSK	20625	12RB#0	20.84	PASS
Band5	5MHz	QPSK	20625	12RB#6	20.85	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.02	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.02	PASS
Band5	5MHz	16QAM	20425	1RB#0	20.34	PASS
Band5	5MHz	16QAM	20425	1RB#12	20.29	PASS
Band5	5MHz	16QAM	20425	1RB#24	20.48	PASS
Band5	5MHz	16QAM	20425	12RB#0	19.98	PASS
Band5	5MHz	16QAM	20425	12RB#6	19.96	PASS
Band5	5MHz	16QAM	20425	12RB#13	19.83	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.05	PASS
Band5	5MHz	16QAM	20525	1RB#0	20.99	PASS
Band5	5MHz	16QAM	20525	1RB#12	20.96	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.28	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.44	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.44	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.46	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.52	PASS
Band5	5MHz	16QAM	20625	1RB#0	20.49	PASS
Band5	5MHz	16QAM	20625	1RB#12	20.66	PASS
Band5	5MHz	16QAM	20625	1RB#24	20.51	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.10	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.11	PASS
Band5	5MHz	16QAM	20625	12RB#13	19.79	PASS
Band5	5MHz	16QAM	20625	25RB#0	19.89	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.16	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.03	PASS
Band5	10MHz	QPSK	20450	1RB#49	21.93	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.05	PASS
Band5	10MHz	QPSK	20450	25RB#12	20.75	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.18	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.11	PASS
Band5	10MHz	QPSK	20525	1RB#0	21.93	PASS
Band5	10MHz	QPSK	20525	1RB#24	21.75	PASS
Band5	10MHz	QPSK	20525	1RB#49	21.67	PASS





Band5	10MHz	QPSK	20525	25RB#0	21.05	PASS
Band5	10MHz	QPSK	20525	25RB#12	20.98	PASS
Band5	10MHz	QPSK	20525	25RB#25	20.97	PASS
Band5	10MHz	QPSK	20525	50RB#0	20.91	PASS
Band5	10MHz	QPSK	20600	1RB#0	21.85	PASS
Band5	10MHz	QPSK	20600	1RB#24	21.83	PASS
Band5	10MHz	QPSK	20600	1RB#49	21.81	PASS
Band5	10MHz	QPSK	20600	25RB#0	20.90	PASS
Band5	10MHz	QPSK	20600	25RB#12	20.88	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.05	PASS
Band5	10MHz	QPSK	20600	50RB#0	20.89	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.02	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.02	PASS
Band5	10MHz	16QAM	20450	1RB#49	20.70	PASS
Band5	10MHz	16QAM	20450	25RB#0	19.91	PASS
Band5	10MHz	16QAM	20450	25RB#12	19.85	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.48	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.00	PASS
Band5	10MHz	16QAM	20525	1RB#0	20.80	PASS
Band5	10MHz	16QAM	20525	1RB#24	20.80	PASS
Band5	10MHz	16QAM	20525	1RB#49	20.60	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.52	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.53	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.25	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.46	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.53	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.25	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.17	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.37	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.38	PASS
Band5	10MHz	16QAM	20600	25RB#25	19.98	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.22	PASS





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

Test Result

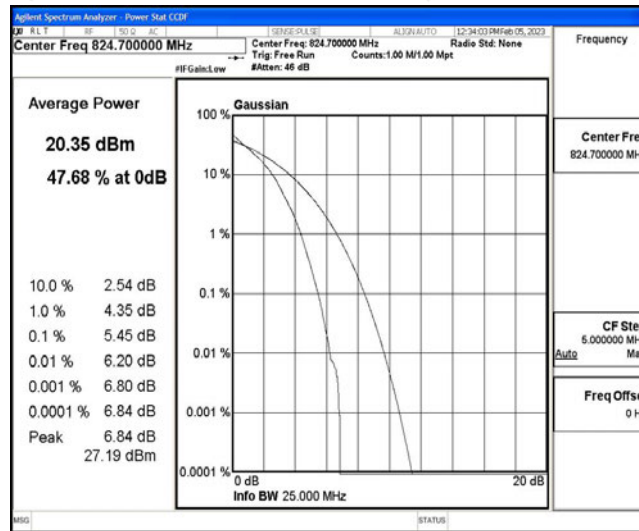
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.45	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.16	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.04	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.04	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.76	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.72	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.48	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.21	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.08	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.25	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.89	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.94	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.48	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.18	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.14	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.15	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.81	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.90	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.43	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.24	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.28	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.14	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.87	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.95	13	PASS



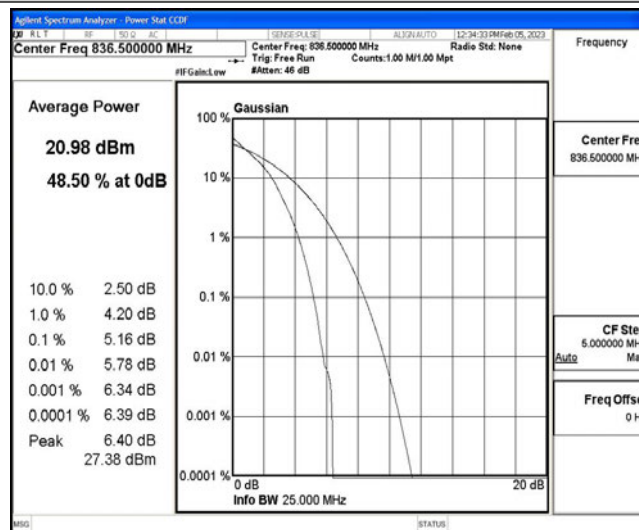


Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0

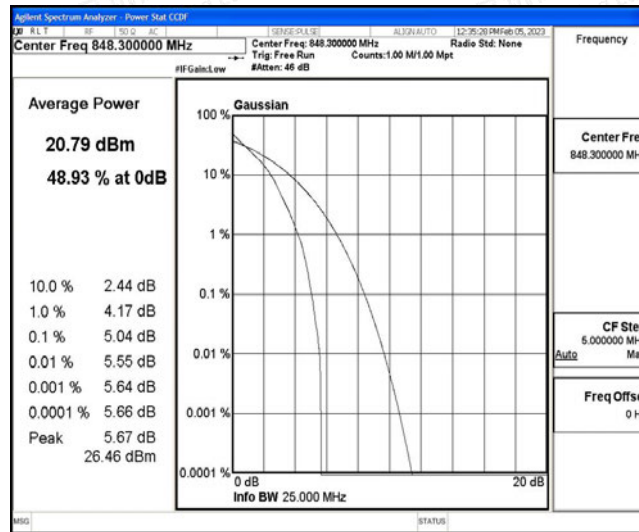


Band5-1.4MHz-QPSK-20525-6RB#0

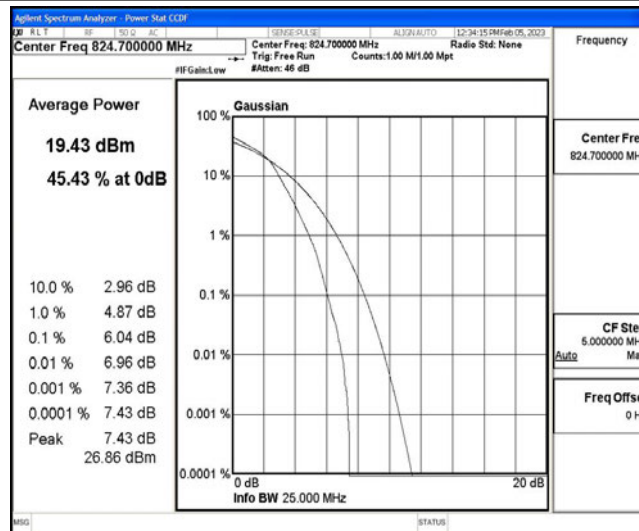




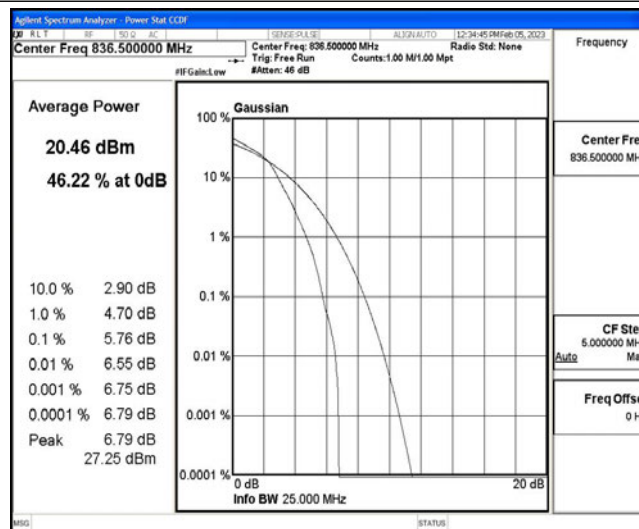
Band5-1.4MHz-QPSK-20643-6RB#0



Band5-1.4MHz-16QAM-20407-6RB#0

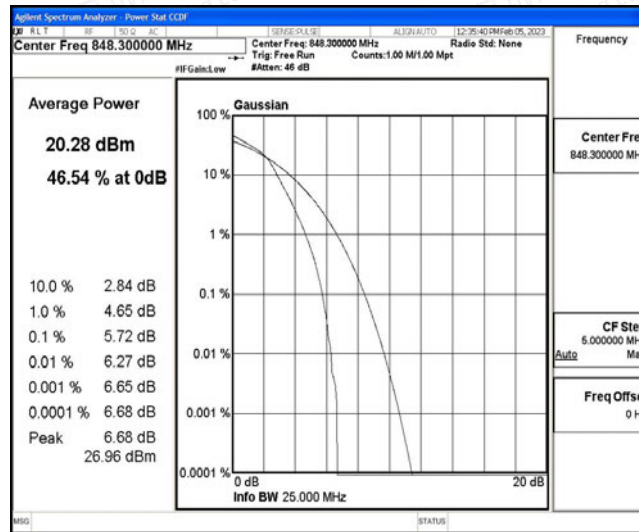


Band5-1.4MHz-16QAM-20525-6RB#0

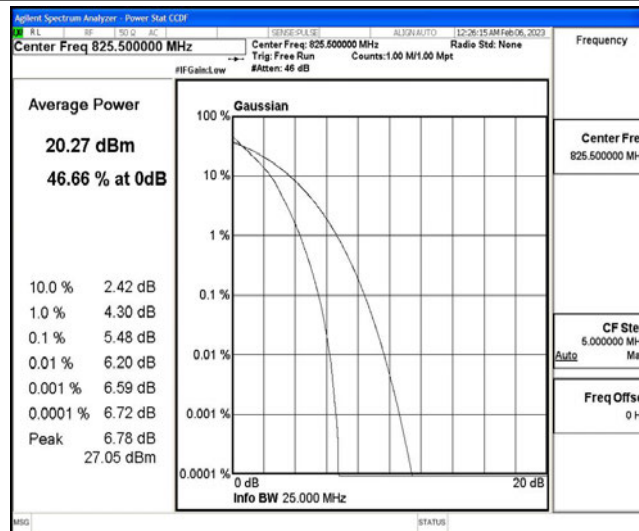




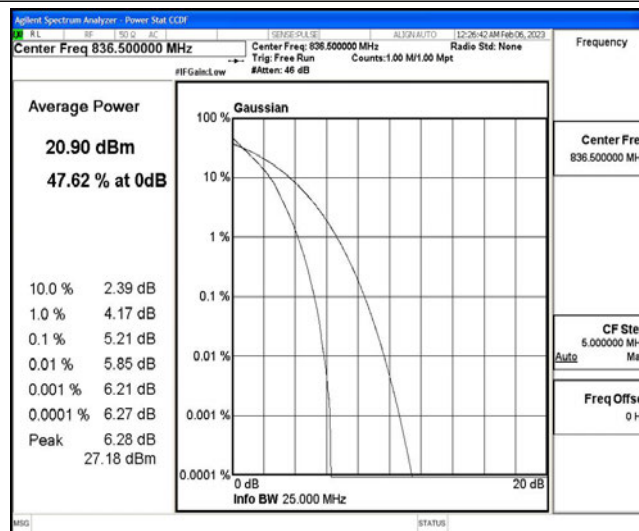
Band5-1.4MHz-16QAM-20643-6RB#0



Band5-3MHz-QPSK-20415-15RB#0

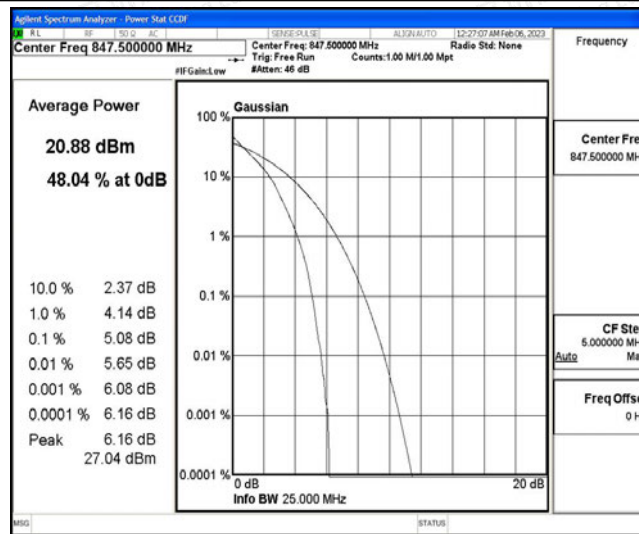


Band5-3MHz-QPSK-20525-15RB#0

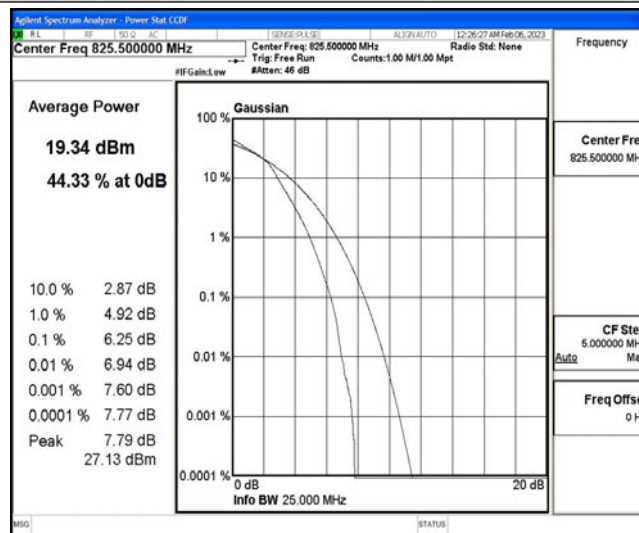




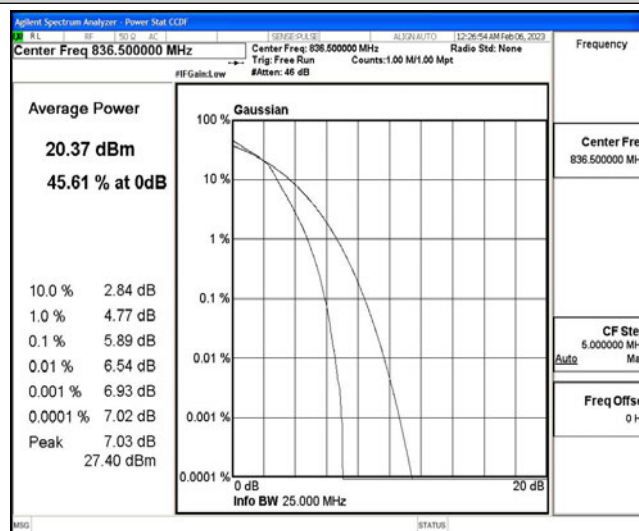
Band5-3MHz-QPSK-20635-15RB#0



Band5-3MHz-16QAM-20415-15RB#0

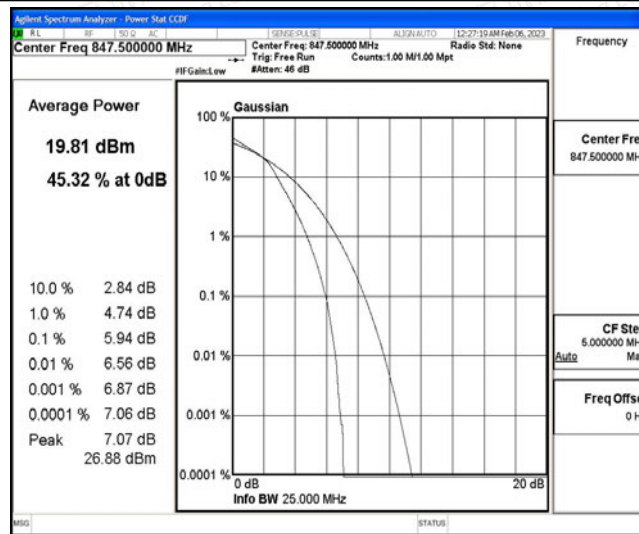


Band5-3MHz-16QAM-20525-15RB#0

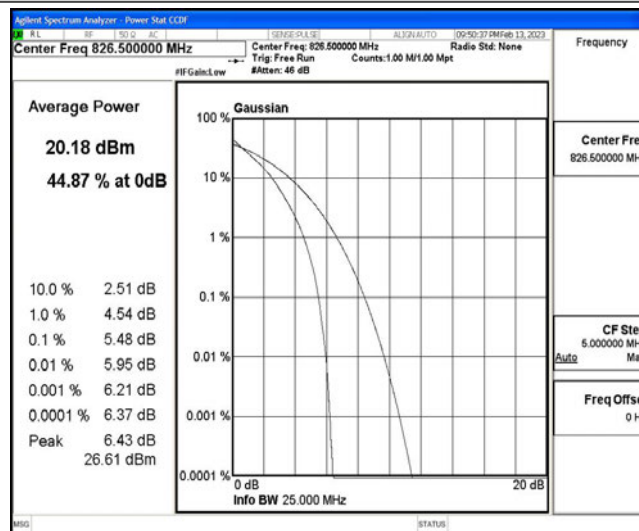




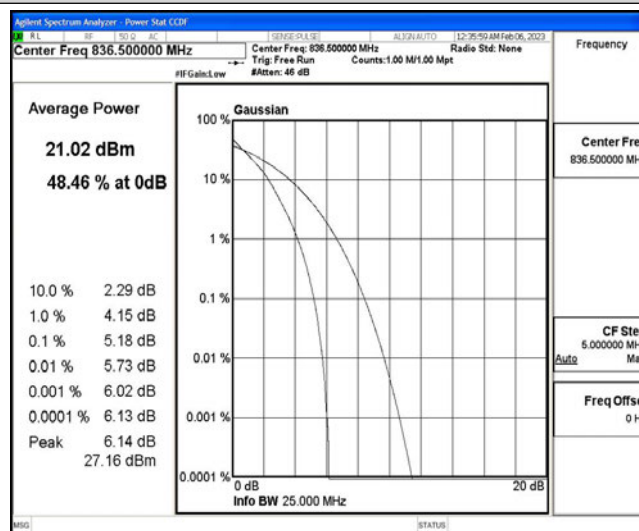
Band5-3MHz-16QAM-20635-15RB#0



Band5-5MHz-QPSK-20425-25RB#0

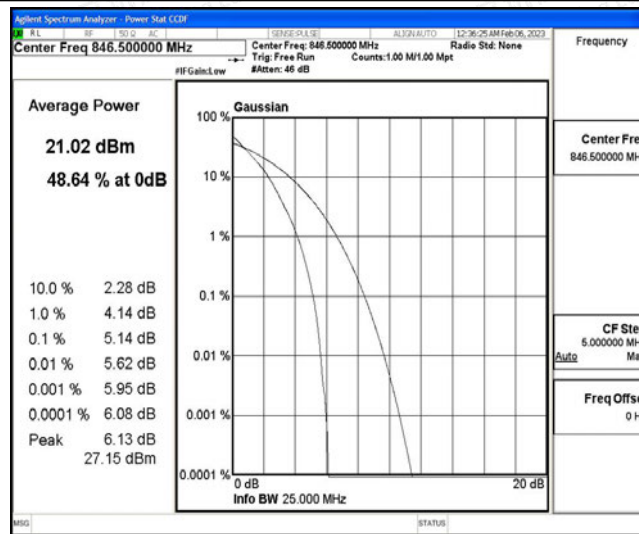


Band5-5MHz-QPSK-20525-25RB#0

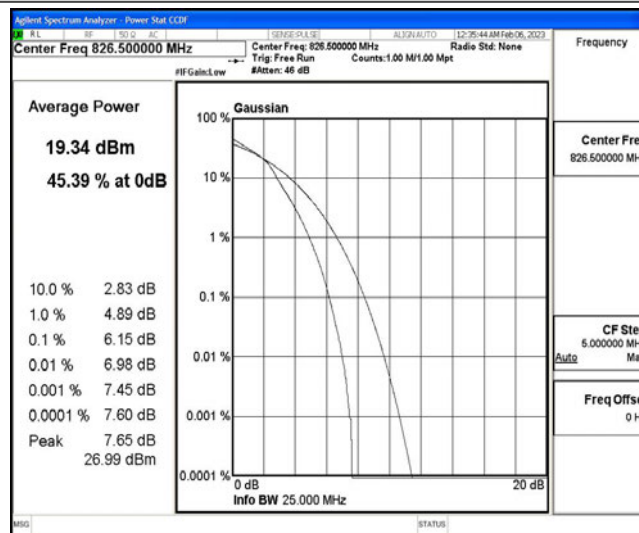




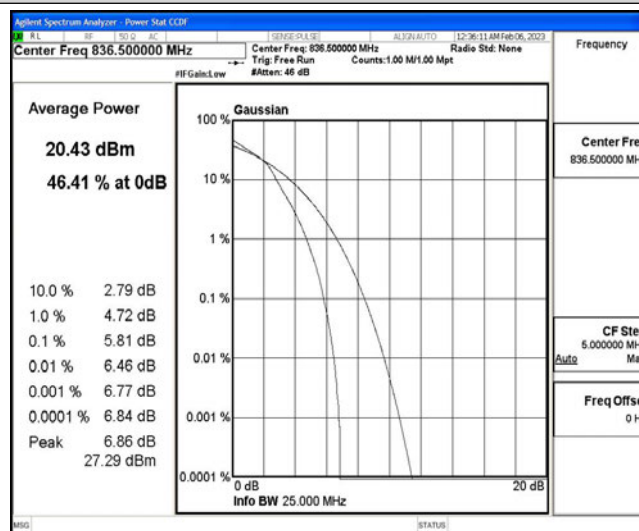
Band5-5MHz-QPSK-20625-25RB#0



Band5-5MHz-16QAM-20425-25RB#0

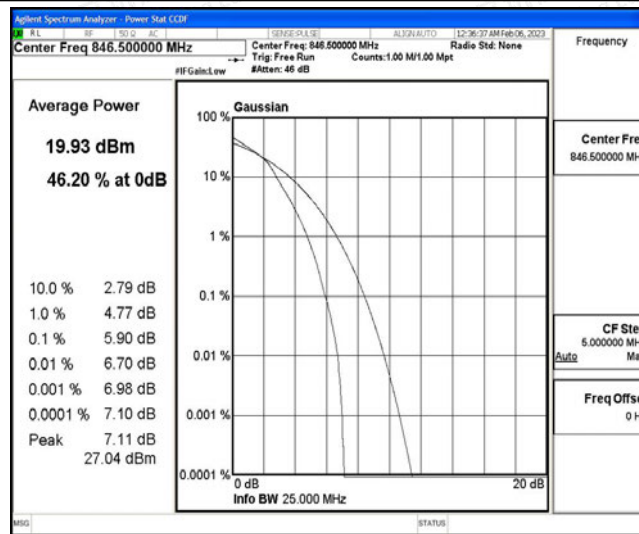


Band5-5MHz-16QAM-20525-25RB#0

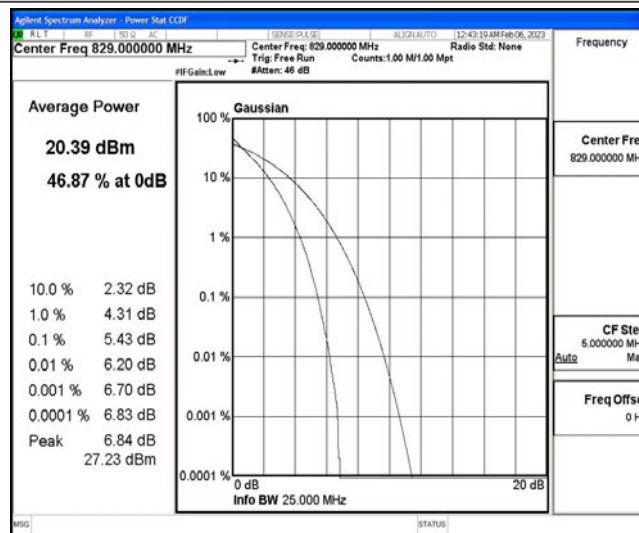




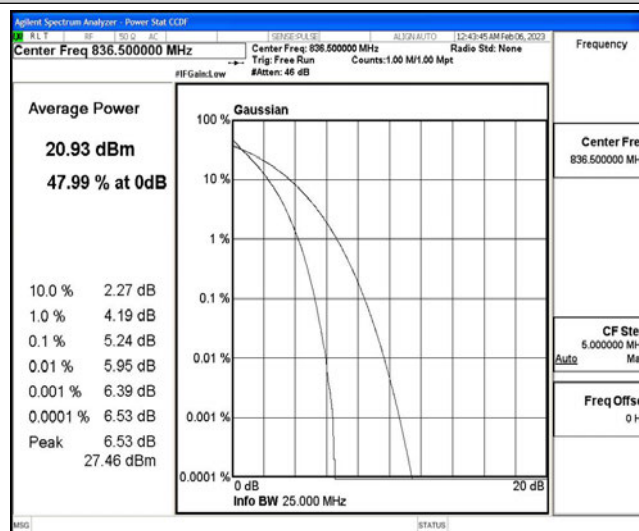
Band5-5MHz-16QAM-20625-25RB#0



Band5-10MHz-QPSK-20450-50RB#0

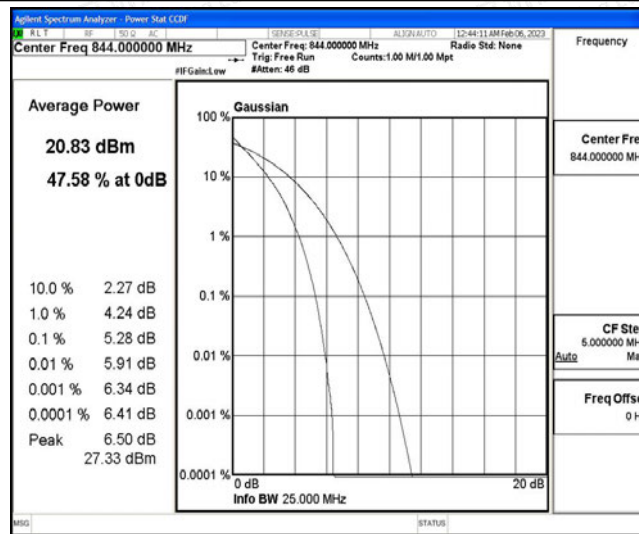


Band5-10MHz-QPSK-20525-50RB#0

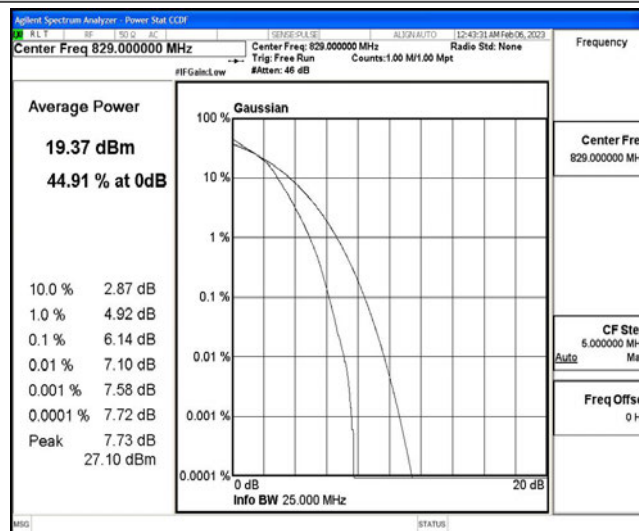




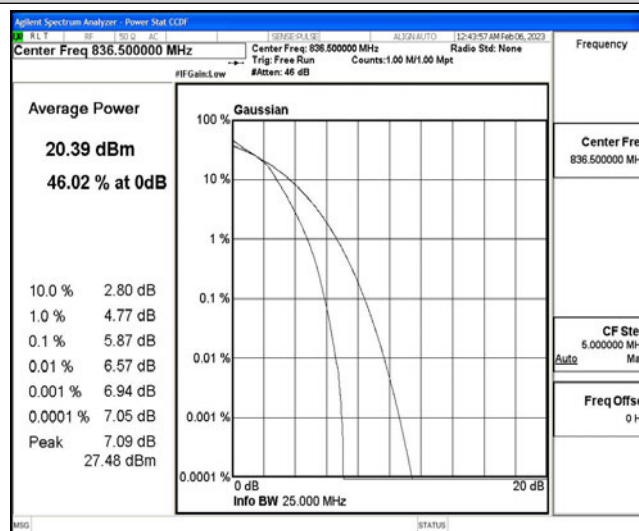
Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-50RB#0

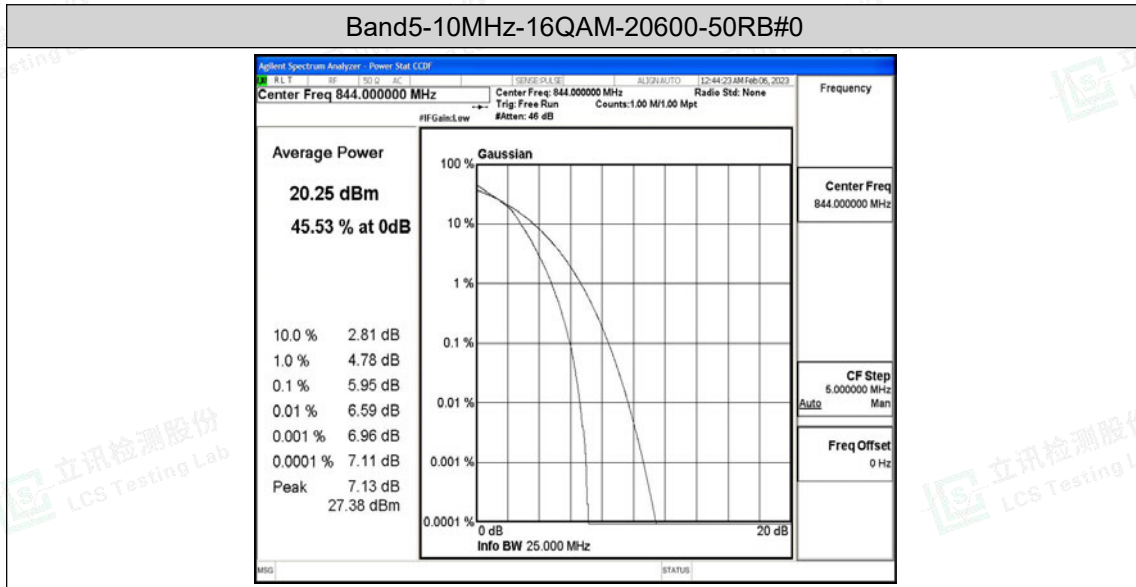


Band5-10MHz-16QAM-20525-50RB#0





Band5-10MHz-16QAM-20600-50RB#0





F.3 26dB Bandwidth and Occupied Bandwidth

Test Result

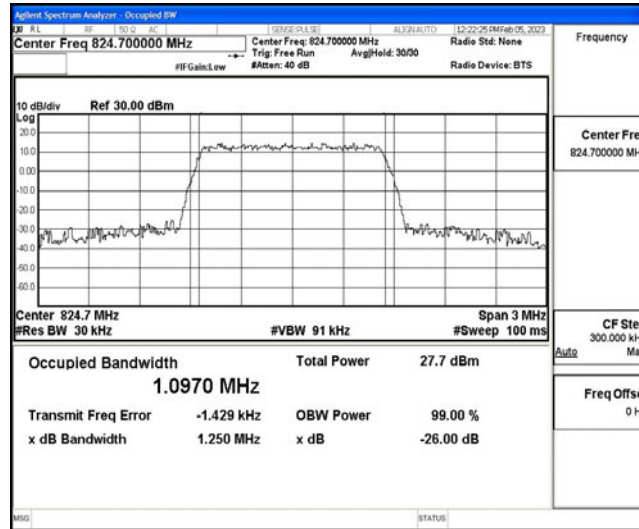
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0970	1.250	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0905	1.249	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0961	1.242	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0979	1.242	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1019	1.248	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.1013	1.256	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7060	2.997	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7120	3.017	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6983	3.021	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7042	3.043	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7009	3.033	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7097	3.027	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5116	4.985	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5123	4.986	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4967	4.988	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4960	4.956	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5081	4.963	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5189	4.987	PASS
Band5	10MHz	QPSK	20450	50RB#0	9.0045	9.901	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9919	9.930	PASS
Band5	10MHz	QPSK	20600	50RB#0	9.0193	9.940	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9962	9.939	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9979	9.886	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9937	9.992	PASS



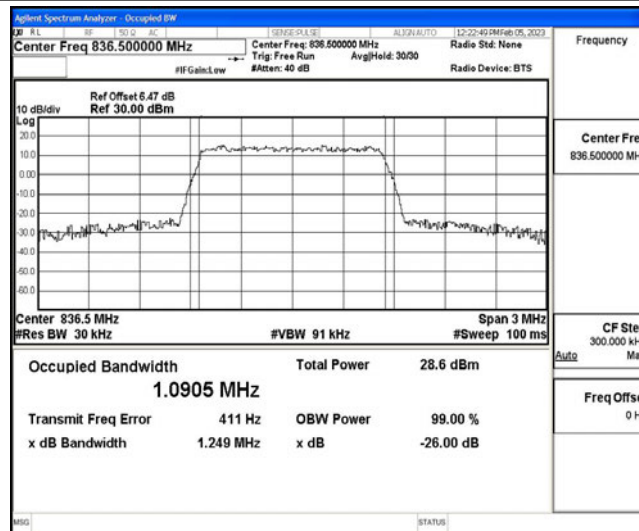


Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0

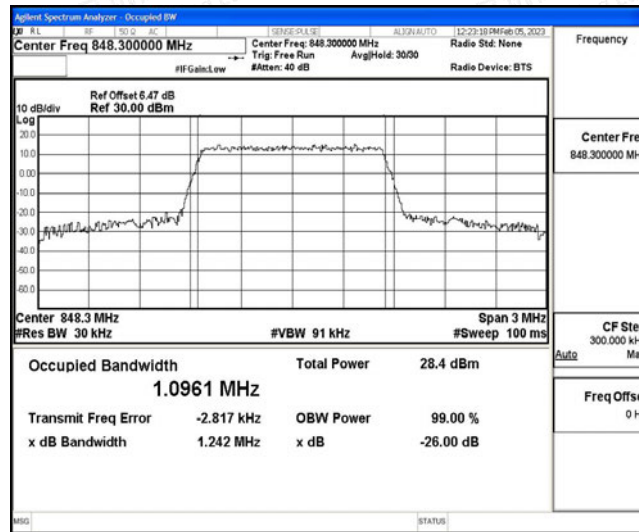


Band5-1.4MHz-QPSK-20525-6RB#0

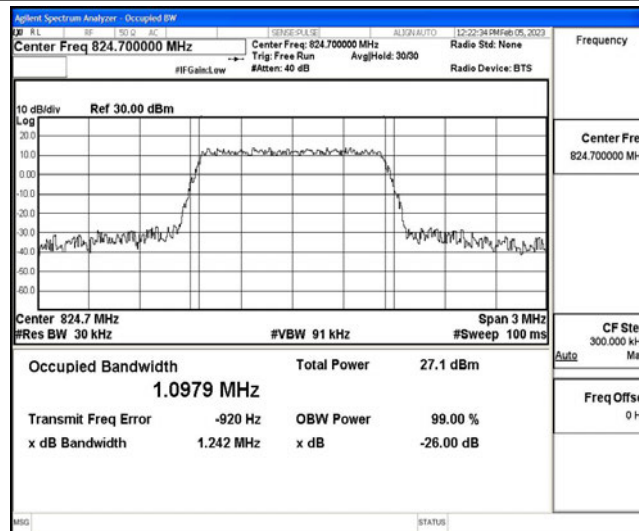




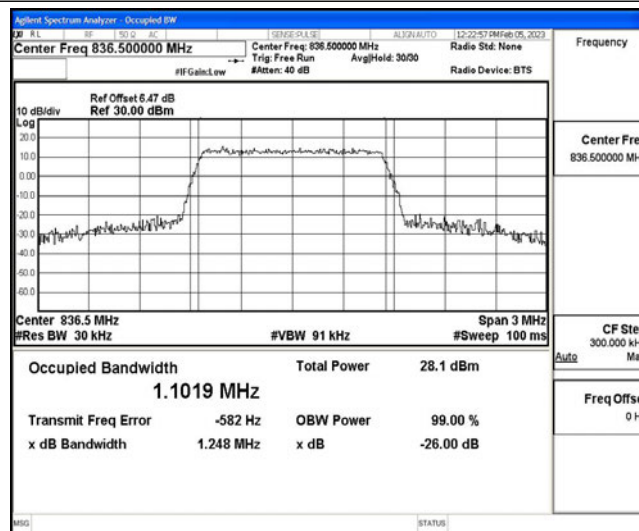
Band5-1.4MHz-QPSK-20643-6RB#0



Band5-1.4MHz-16QAM-20407-6RB#0

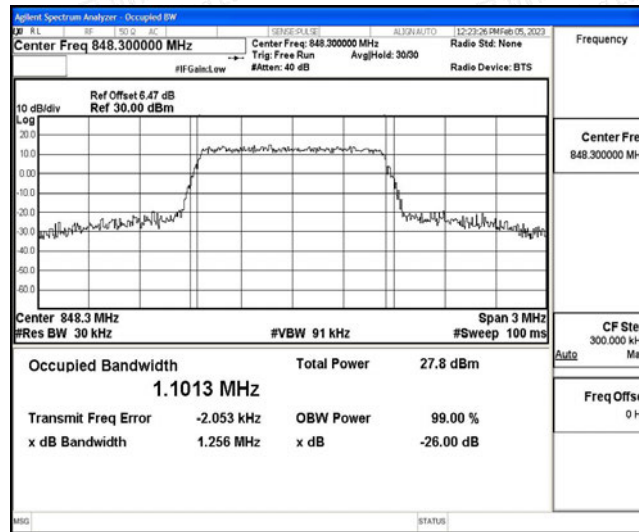


Band5-1.4MHz-16QAM-20525-6RB#0

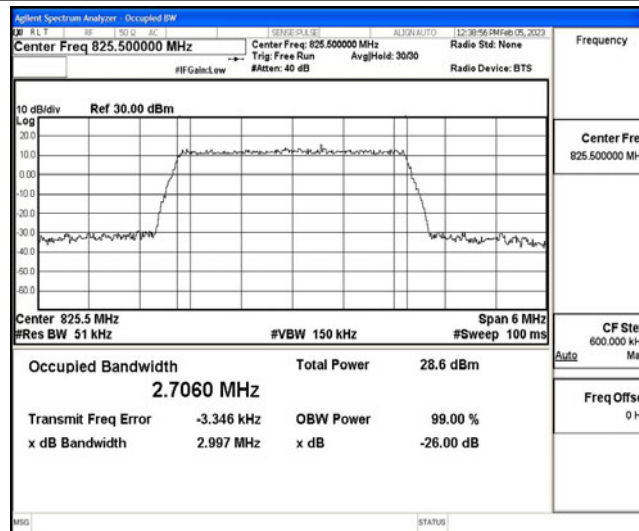




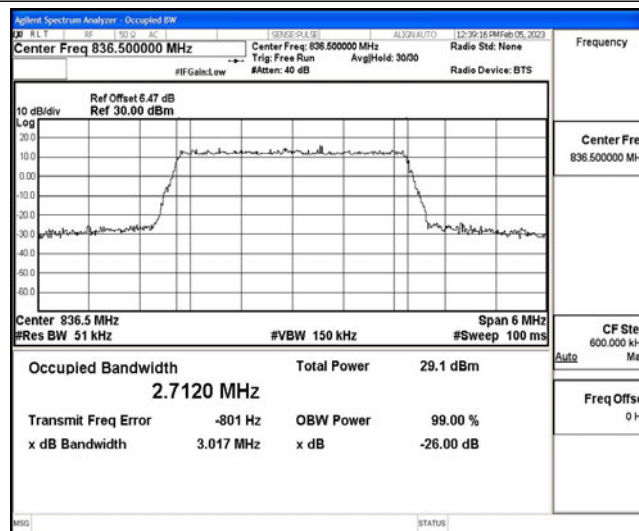
Band5-1.4MHz-16QAM-20643-6RB#0



Band5-3MHz-QPSK-20415-15RB#0

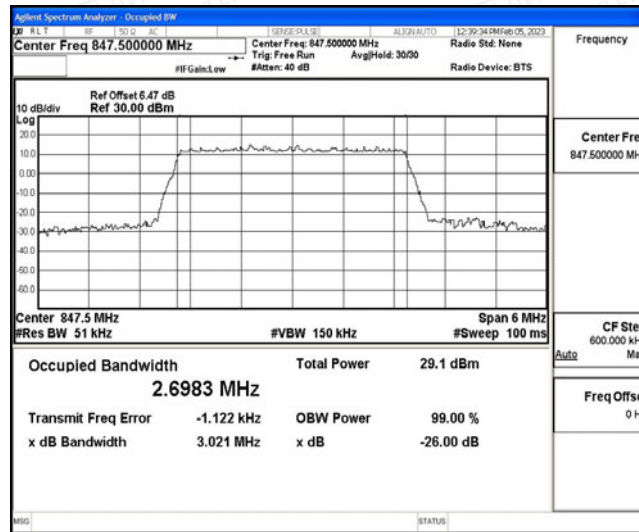


Band5-3MHz-QPSK-20525-15RB#0

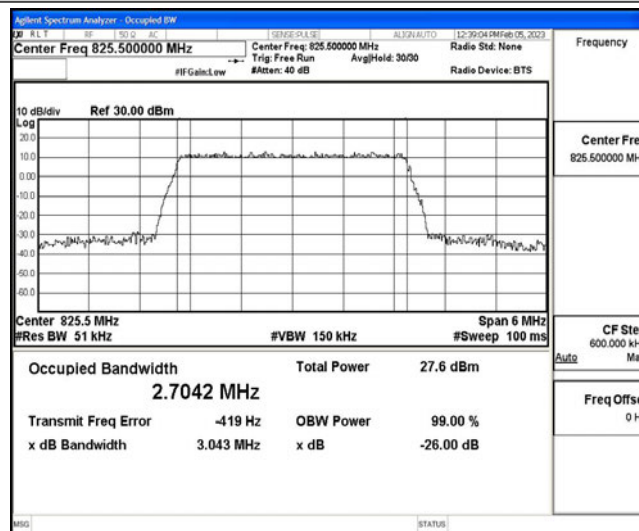




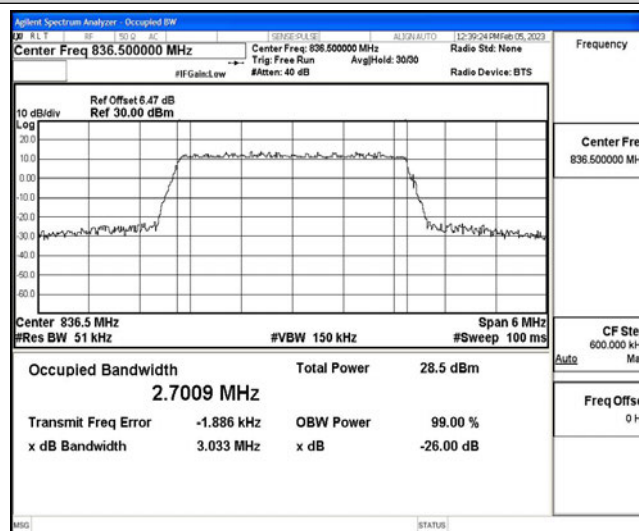
Band5-3MHz-QPSK-20635-15RB#0



Band5-3MHz-16QAM-20415-15RB#0

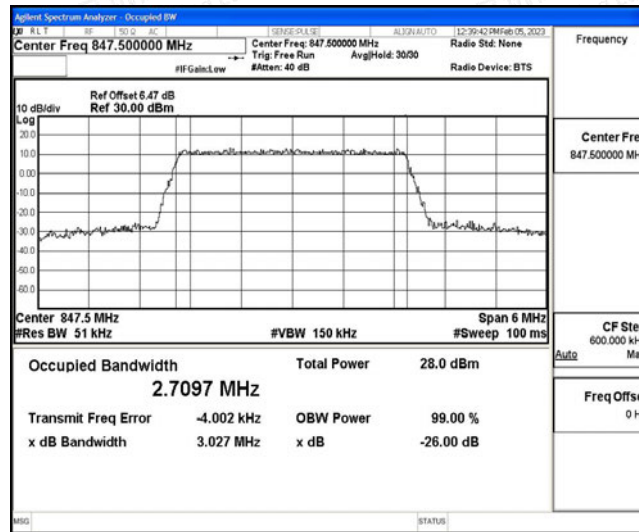


Band5-3MHz-16QAM-20525-15RB#0

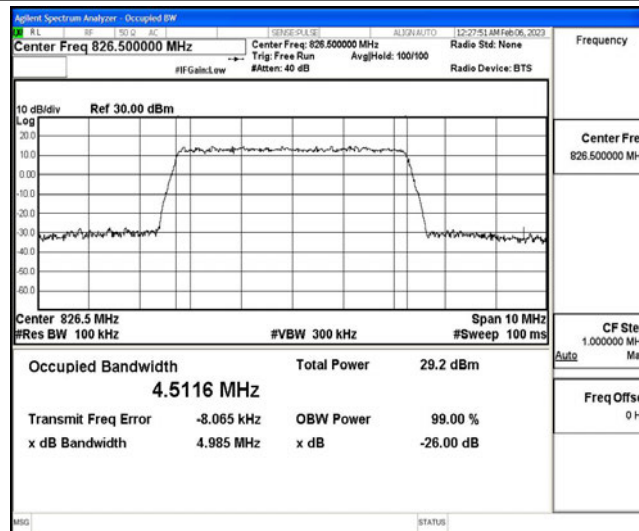




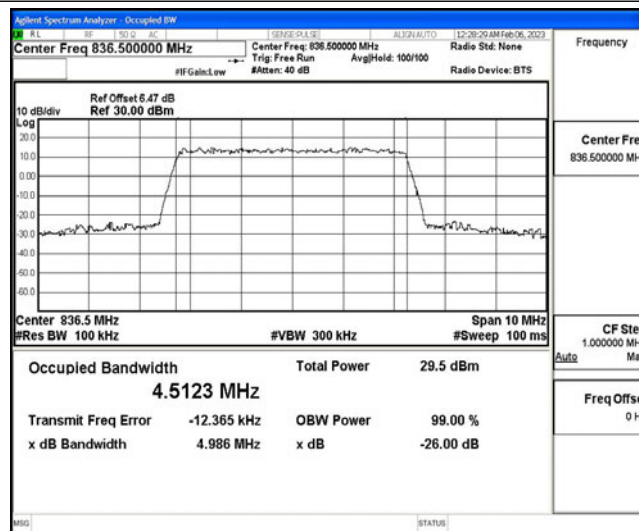
Band5-3MHz-16QAM-20635-15RB#0



Band5-5MHz-QPSK-20425-25RB#0

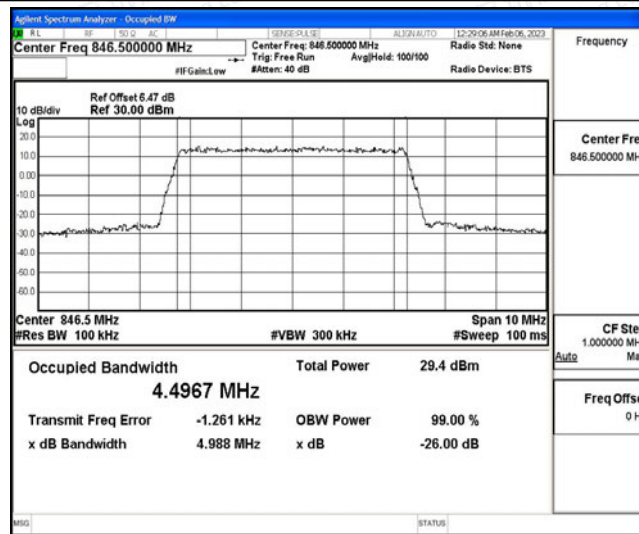


Band5-5MHz-QPSK-20525-25RB#0

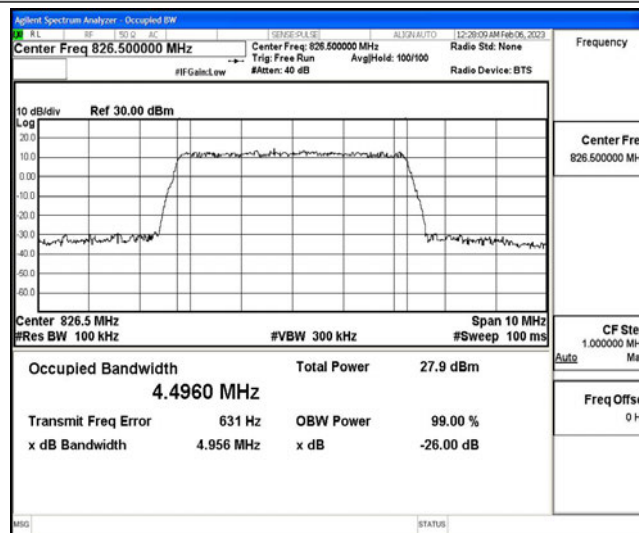




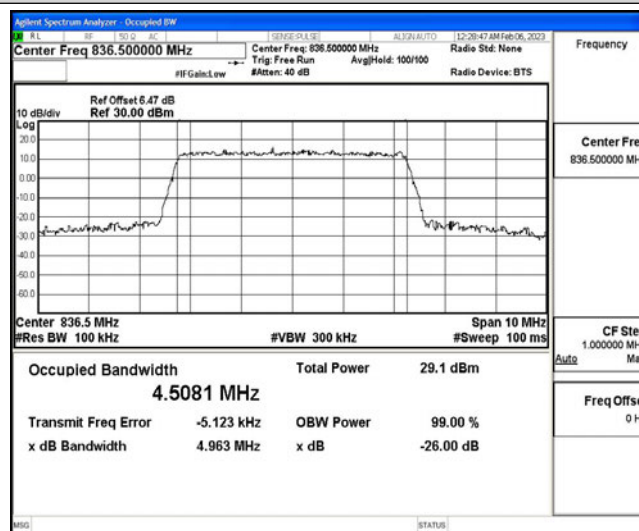
Band5-5MHz-QPSK-20625-25RB#0

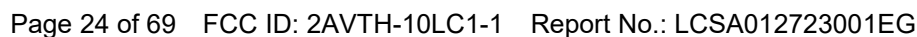


Band5-5MHz-16QAM-20425-25RB#0



Band5-5MHz-16QAM-20525-25RB#0





Agilent Spectrum Analyzer - Occupied BW

Center Freq 846.500000 MHz
 Trig: Free Run
 Avg/Hold: 100/100
 Radio Std: None
 #IF Gain: Low
 #Atten: 40 dB
 Radio Device: BTS

Ref Offset 6.47 dB
 Ref 30.00 dBm

Center 846.5 MHz
 #Res BW 100 kHz
 #VBW 300 kHz
 Span 10 MHz
 #Sweep 100 ms

Occupied Bandwidth	Total Power	28.5 dBm
4.5189 MHz		
Transmit Freq Error	-6.283 kHz	OBW Power
x dB Bandwidth	4.987 MHz	x dB
		-26.00 dB

[illegible]

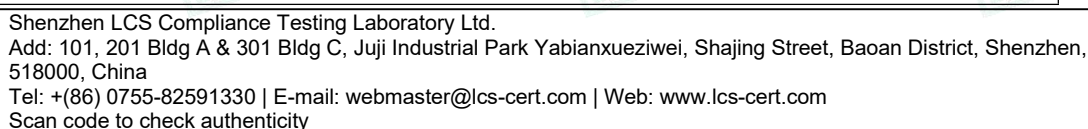
Agilent Spectrum Analyzer - Occupied BW

Center Freq 836.500000 MHz
 #Res BW 200 kHz
 #VBW 620 kHz
 Span 20 MHz
 #Sweep 100 ms

Ref Offset 6.47 dB
 Ref 30.00 dBm

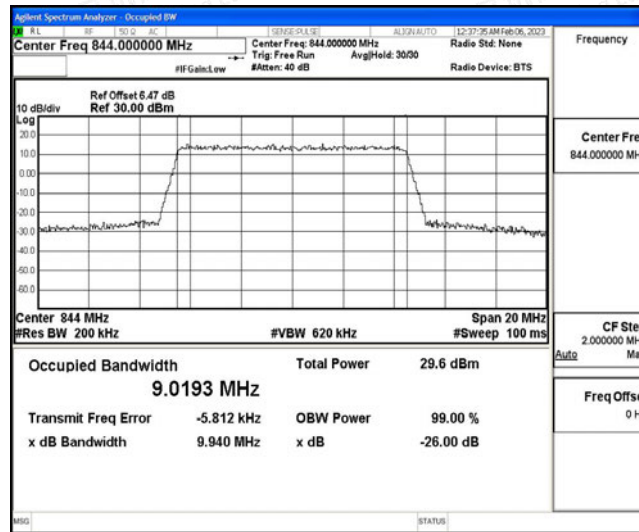
The spectrum plot shows a signal with a bandwidth of approximately 20 MHz. The signal is centered at 836.5 MHz. The y-axis represents power in dBm, ranging from -60 to 10. The x-axis represents frequency in MHz, ranging from 816 to 856. The signal is a flat-topped rectangular pulse, indicating a constant power level across the bandwidth. The power level is approximately -26 dBm.

Parameter	Value
Center Freq	836.500000 MHz
Ref Offset	6.47 dB
Ref	30.00 dBm
Occupied Bandwidth	8.9919 MHz
Transmit Freq Error	5.506 kHz
x dB Bandwidth	9.930 MHz
Power	-26.00 dBm

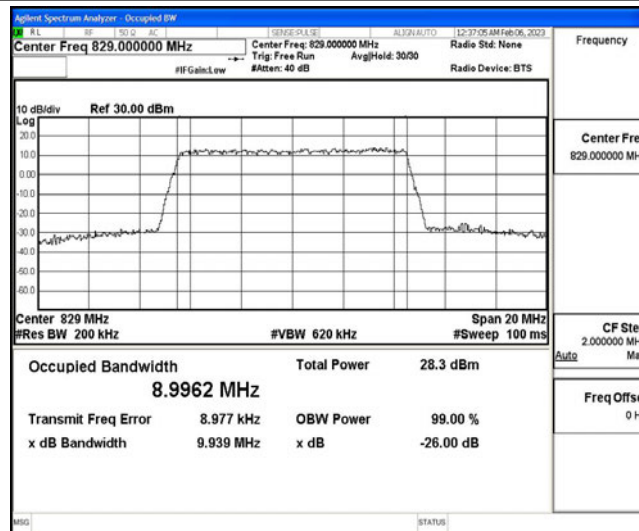




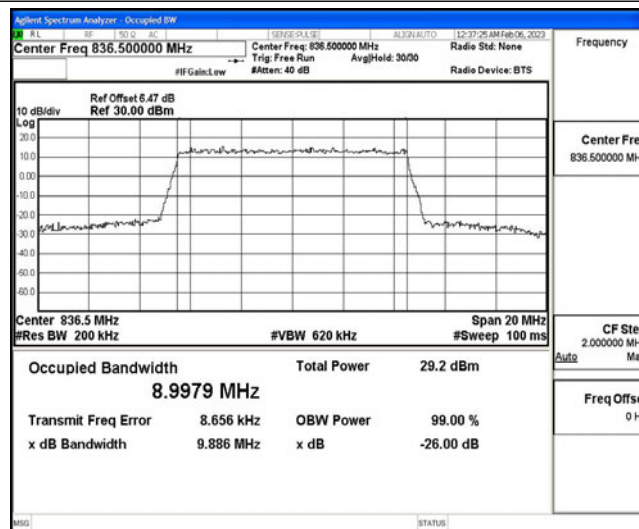
Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-50RB#0

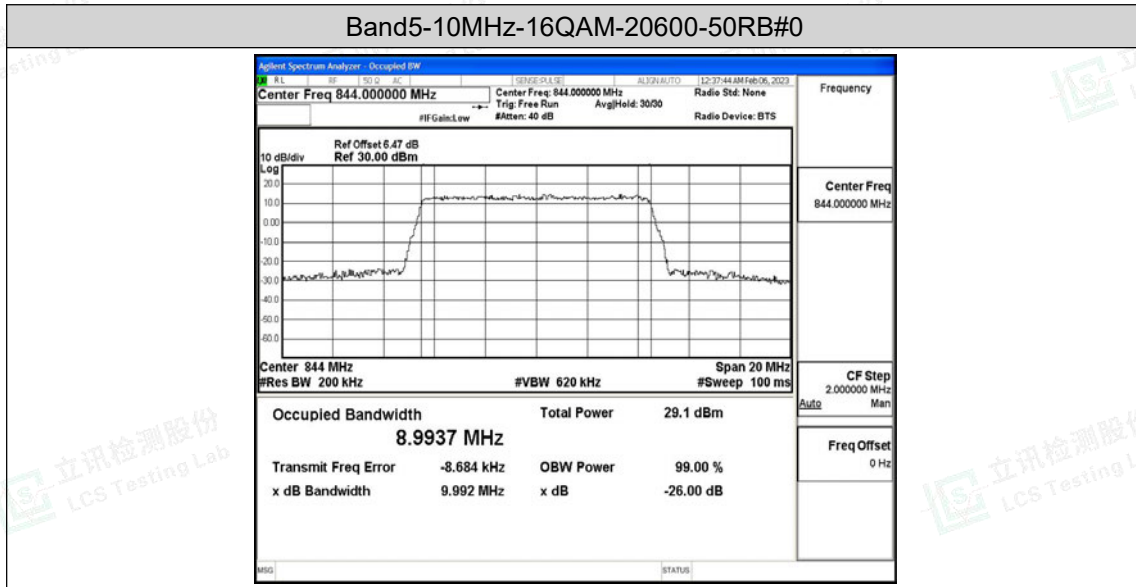


Band5-10MHz-16QAM-20525-50RB#0





Band5-10MHz-16QAM-20600-50RB#0





F.4 Band Edge

Test Result

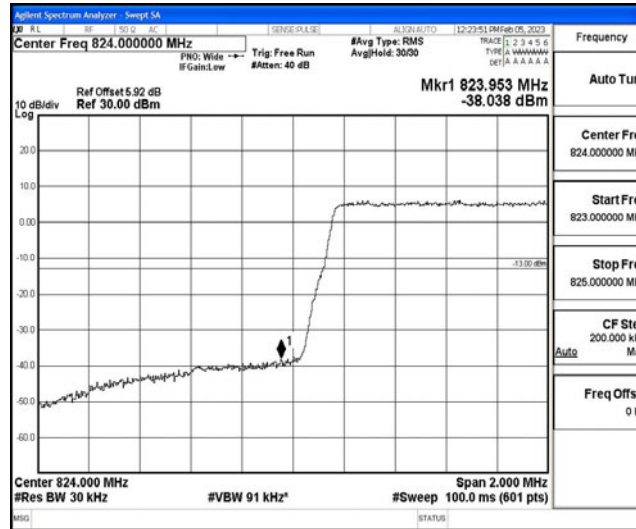
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-38.04	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-31.01	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-40.09	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-31.15	PASS
Band5	3MHz	QPSK	20415	15RB#0	-24.51	PASS
Band5	3MHz	QPSK	20635	15RB#0	-24.13	PASS
Band5	3MHz	16QAM	20415	15RB#0	-24.72	PASS
Band5	3MHz	16QAM	20635	15RB#0	-25.14	PASS
Band5	5MHz	QPSK	20425	25RB#0	-28.99	PASS
Band5	5MHz	QPSK	20625	25RB#0	-28.22	PASS
Band5	5MHz	16QAM	20425	25RB#0	-29.89	PASS
Band5	5MHz	16QAM	20625	25RB#0	-29.29	PASS
Band5	10MHz	QPSK	20450	50RB#0	-32.31	PASS
Band5	10MHz	QPSK	20600	50RB#0	-31.38	PASS
Band5	10MHz	16QAM	20450	50RB#0	-33.61	PASS
Band5	10MHz	16QAM	20600	50RB#0	-31.73	PASS



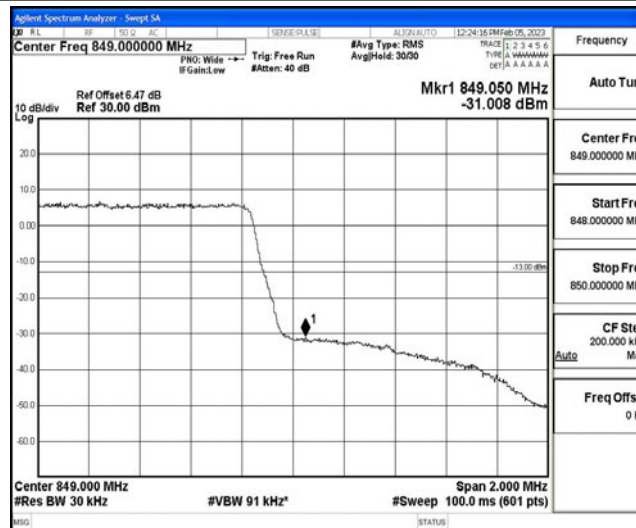


Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0

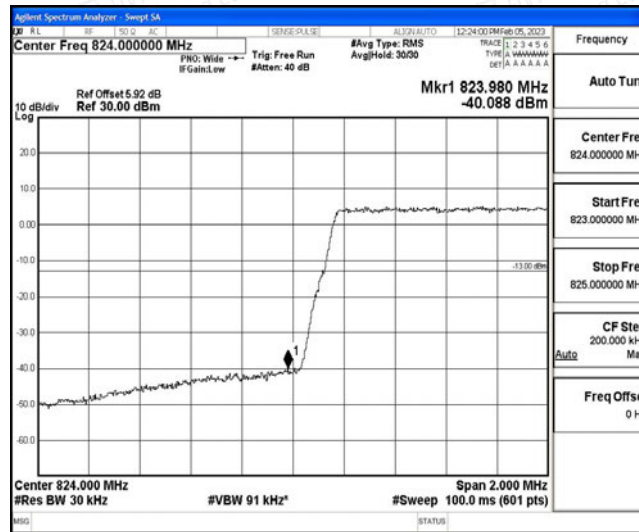


Band5-1.4MHz-QPSK-20643-6RB#0

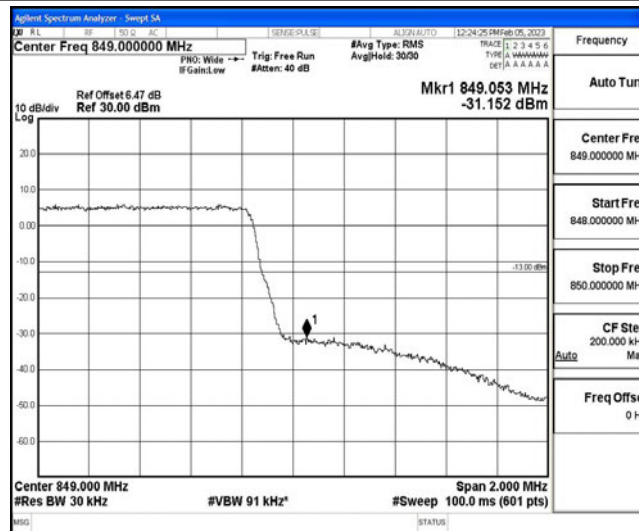




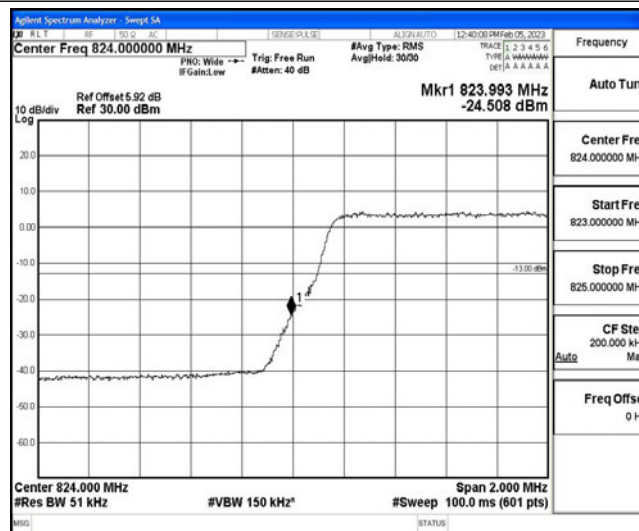
Band5-1.4MHz-16QAM-20407-6RB#0



Band5-1.4MHz-16QAM-20643-6RB#0

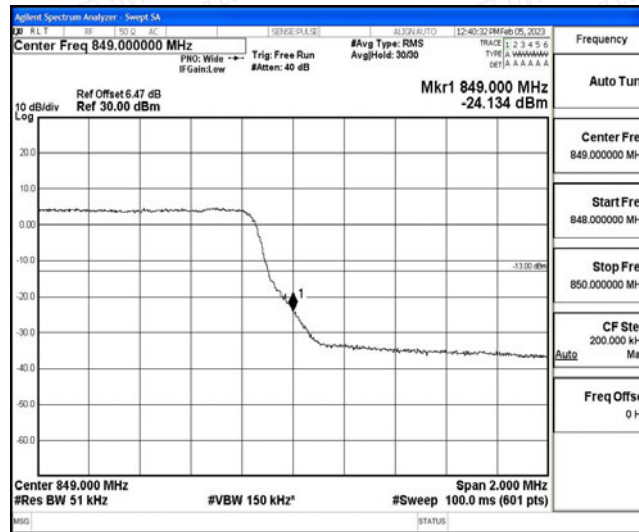


Band5-3MHz-QPSK-20415-15RB#0

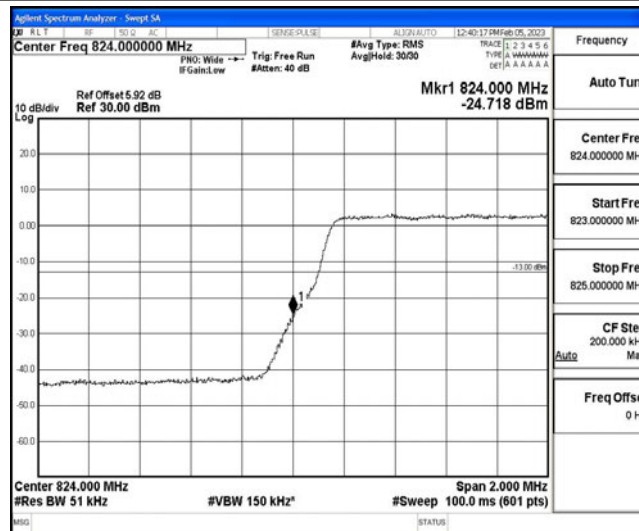




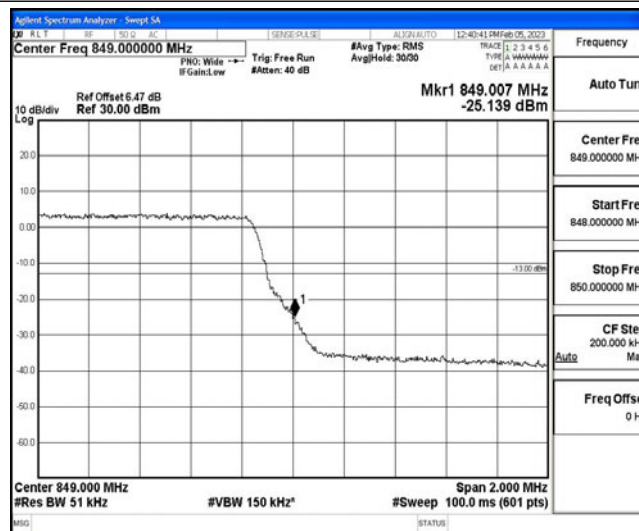
Band5-3MHz-QPSK-20635-15RB#0



Band5-3MHz-16QAM-20415-15RB#0

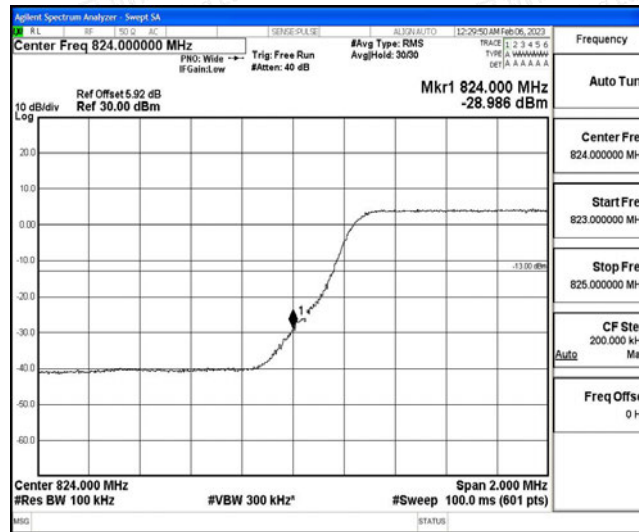


Band5-3MHz-16QAM-20635-15RB#0

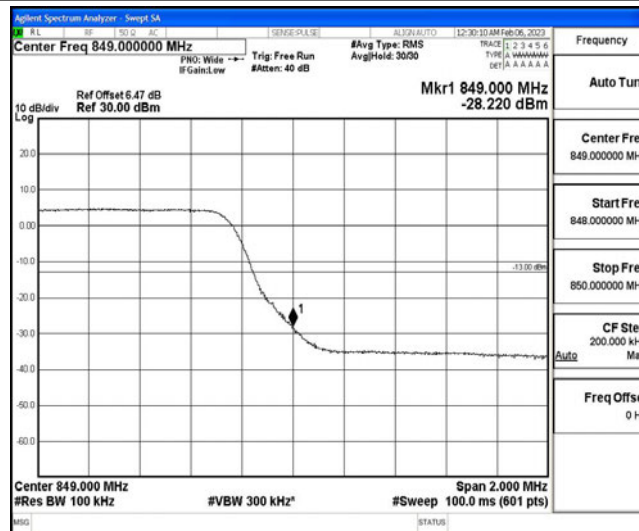




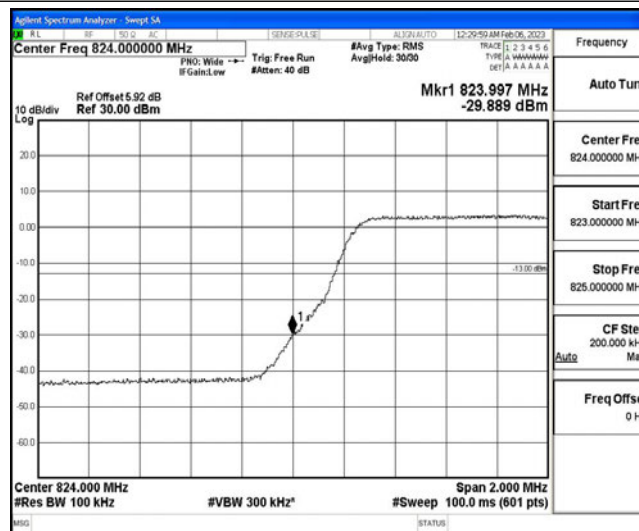
Band5-5MHz-QPSK-20425-25RB#0



Band5-5MHz-QPSK-20625-25RB#0

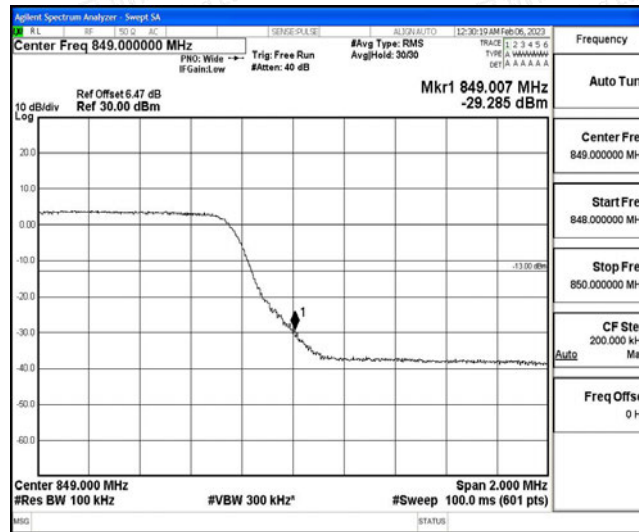


Band5-5MHz-16QAM-20425-25RB#0

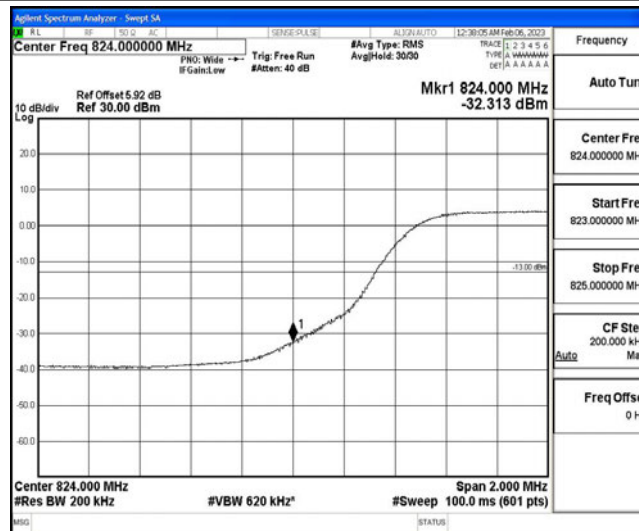




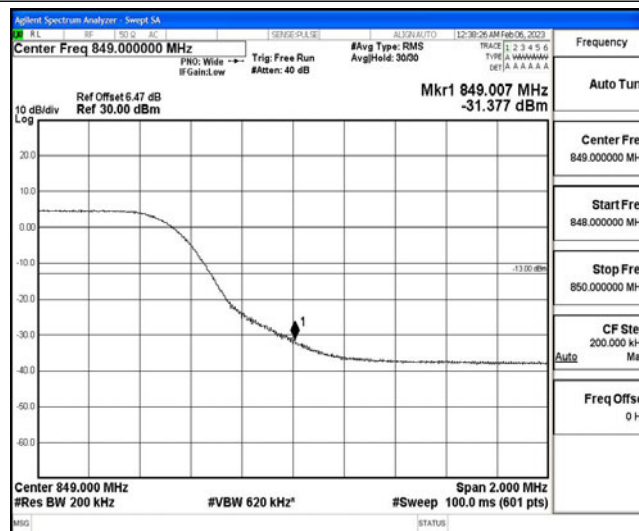
Band5-5MHz-16QAM-20625-25RB#0



Band5-10MHz-QPSK-20450-50RB#0

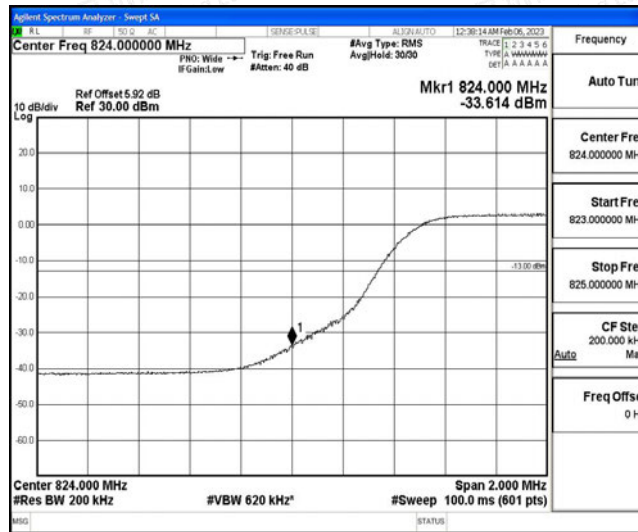


Band5-10MHz-QPSK-20600-50RB#0

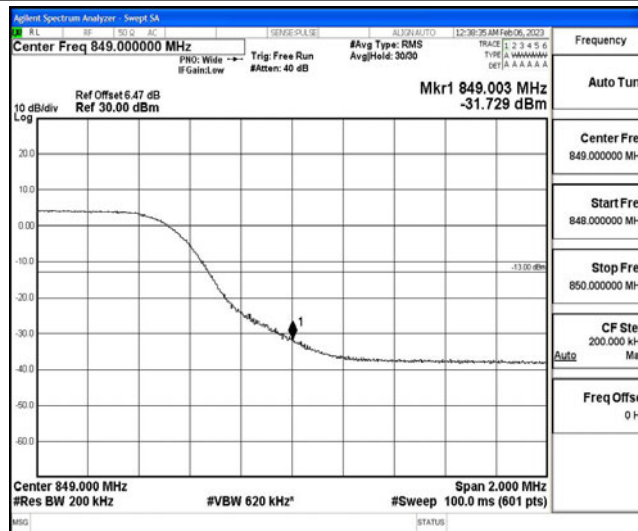




Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20600-50RB#0





F.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:0.009~0.15MHz	-54.84	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:0.15~30MHz	-50.25	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range3:30~1000MHz	-40.47	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range4:1000~10000MHz	-30.27	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-55.3	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-49.71	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-41.11	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-29.93	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:0.009~0.15MHz	-53.09	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:0.15~30MHz	-52.64	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range3:30~1000MHz	-40.71	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range4:1000~10000MHz	-32.06	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:0.009~0.15MHz	-56.31	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:0.15~30MHz	-50.99	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range3:30~1000MHz	-40.22	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range4:1000~10000MHz	-30.91	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-55.25	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-49.59	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-41.4	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-30.49	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:0.009~0.15MHz	-55.27	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:0.15~30MHz	-49.83	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range3:30~1000MHz	-40.91	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range4:1000~10000MHz	-32.46	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range1:0.009~0.15MHz	-55	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range2:0.15~30MHz	-50.11	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range3:30~1000MHz	-40.81	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range4:1000~10000MHz	-30.21	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-55.24	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-52.66	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-40.72	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-29.43	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range1:0.009~0.15MHz	-56.48	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range2:0.15~30MHz	-51.32	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range3:30~1000MHz	-41.34	PASS





Band5	3MHz	QPSK	20635	1RB#0	Range4:1000~10000MHz	-32.16	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range1:0.009~0.15MHz	-55.8	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range2:0.15~30MHz	-51.46	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range3:30~1000MHz	-40.92	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range4:1000~10000MHz	-31.17	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-54.67	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-52.01	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-40.69	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-30.8	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range1:0.009~0.15MHz	-55.48	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range2:0.15~30MHz	-50.02	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range3:30~1000MHz	-40.65	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range4:1000~10000MHz	-32.68	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range1:0.009~0.15MHz	-54.09	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range2:0.15~30MHz	-51.36	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range3:30~1000MHz	-41.86	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range4:1000~10000MHz	-30.53	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-54.05	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-50.37	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-41.59	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-29.53	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range1:0.009~0.15MHz	-55.65	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range2:0.15~30MHz	-50.17	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range3:30~1000MHz	-40.44	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range4:1000~10000MHz	-32.43	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range1:0.009~0.15MHz	-55.75	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range2:0.15~30MHz	-51.82	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range3:30~1000MHz	-41.79	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range4:1000~10000MHz	-32.35	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-55.96	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-50.16	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-42.07	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-31.25	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range1:0.009~0.15MHz	-56.28	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range2:0.15~30MHz	-51.21	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range3:30~1000MHz	-41.53	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range4:1000~10000MHz	-32.6	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:0.009~0.15MHz	-53	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:0.15~30MHz	-50.92	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range3:30~1000MHz	-41.38	PASS





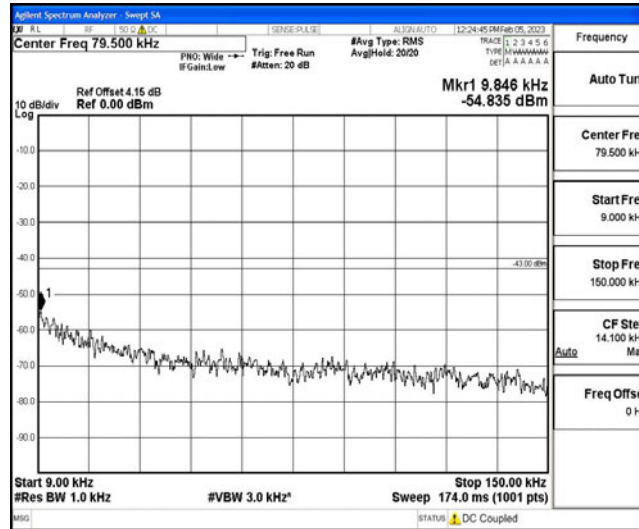
Band5	10MHz	QPSK	20450	1RB#0	Range4:1000~10000MHz	-30.77	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-55.56	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-50.57	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-40.46	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-29.39	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:0.009~0.15MHz	-54.97	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:0.15~30MHz	-50.79	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range3:30~1000MHz	-41.65	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range4:1000~10000MHz	-31.51	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:0.009~0.15MHz	-55.31	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:0.15~30MHz	-50.58	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range3:30~1000MHz	-40.26	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range4:1000~10000MHz	-31.21	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-54.71	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-52.02	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-41.18	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-31.02	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:0.009~0.15MHz	-56.05	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:0.15~30MHz	-52.91	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range3:30~1000MHz	-40.89	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range4:1000~10000MHz	-32.32	PASS



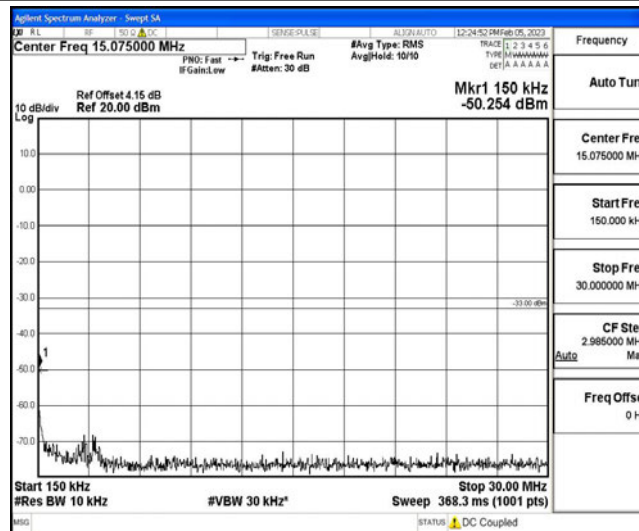


Test Graphs

Band5-1.4MHz-QPSK-20407-1RB#0-Range1:0.009~0.15MHz

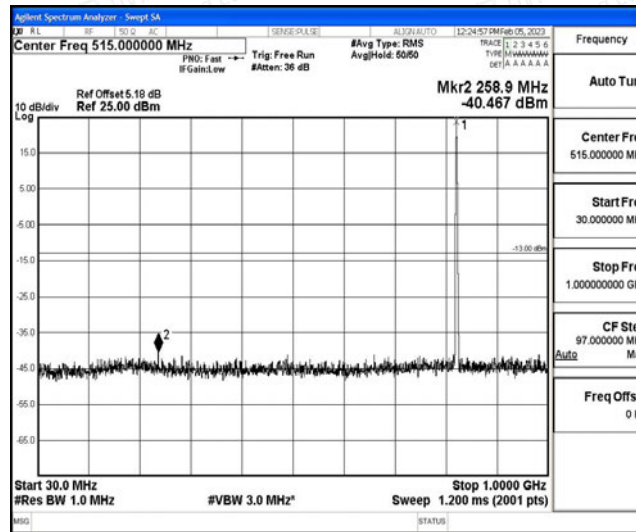


Band5-1.4MHz-QPSK-20407-1RB#0-Range2:0.15~30MHz

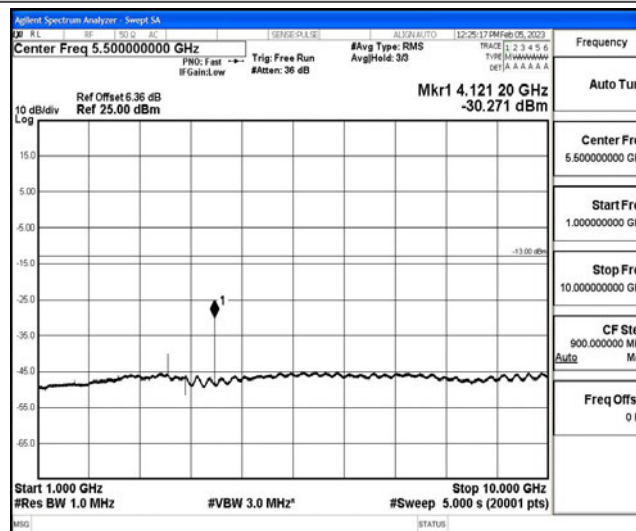




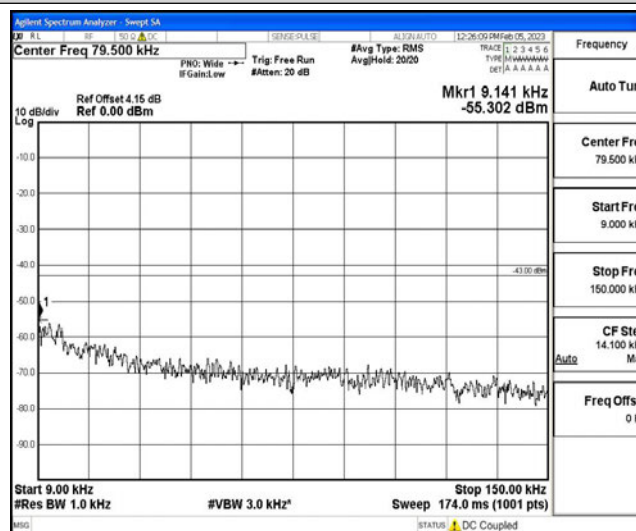
Band5-1.4MHz-QPSK-20407-1RB#0-Range3:30~1000MHz



Band5-1.4MHz-QPSK-20407-1RB#0-Range4:1000~10000MHz

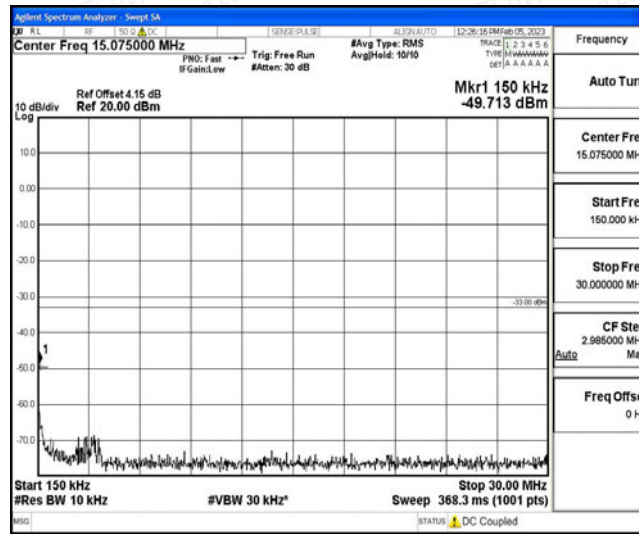


Band5-1.4MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz

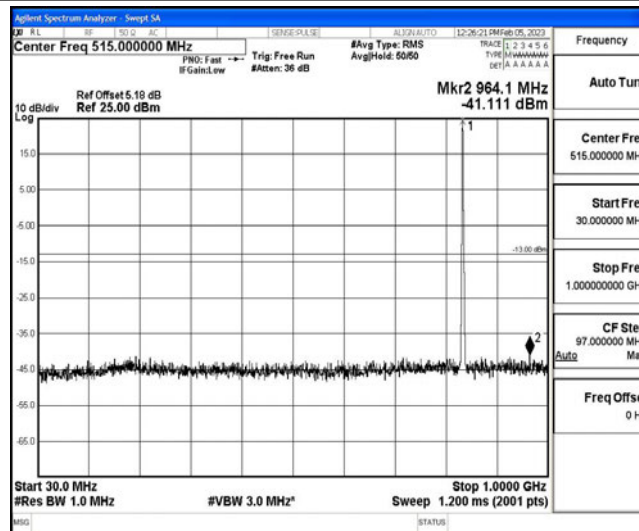




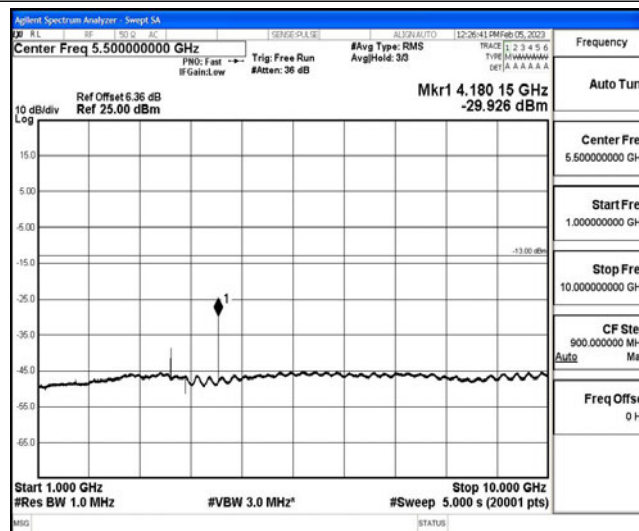
Band5-1.4MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz

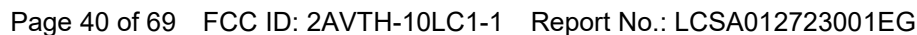


Band5-1.4MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



Band5-1.4MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz





Agilent Spectrum Analyzer - Sweep SA

#0 AIL RF NOISE ON

Center Freq 79.500 kHz

SENSE: SCALE

ALPHA AUTO 12-27-13 9:45 Feb 05, 2003

Frequency

Auto Tun

Center Freq 79.500 kHz

Start Freq 9.000 kHz

Stop Freq 150.000 kHz

CF Stop 14.100 kHz

Auto

Freq Offset 0 Hz

Ref Offset 4.15 dB

Ref 0.00 dBm

PHO: Wide Trig: Free Run

IF Gain: Low #Atten: 20 dB

#Avg Type: RMS

Avg/Hold: 2020

TVR: 123456

DET: AAAAAA

Mkr1 9.141 kHz

-53.082 dBm

10 dB/div

Log

-43.00 dBm

Start 9.00 kHz

#Res BW 1.0 kHz

#VBW 3.0 kHz

Sweep 174.0 ms (1001 pts)

Stop 150.00 kHz

STATUS: DC Coupled

The screenshot displays a spectrum analyzer interface. The main plot area shows a noisy signal across a frequency range from 9.00 kHz to 150.00 kHz. The vertical axis represents power in dBm, ranging from -90 to 10. A reference level is set at 0.00 dBm. A marker is placed at 9.141 kHz, indicating a power level of -53.082 dBm. The signal level is approximately -70 dBm. The interface includes various control panels for frequency, resolution bandwidth, and other parameters.

Agilent Spectrum Analyzer - Swept SA

IF Freq	RF	NOISE	DC	SENSE STATE	AUTO AUTO	Date/Time
Center Freq 15.075000 MHz						12-27-50 PM Feb 05, 2021

#Avg Type: RMS
 Avg Hold: 10/10
 Trg: Free Run
 IF Gain: Low
 Ref Offset: 4.15 dB
 Ref: 20.00 dBm
 Wkr1 150 kHz
 -52.644 dBm

10 dB/div
 Log

Start 150 kHz
 Stop 30.00 MHz
 #Res BW 10 kHz
 #VBW 30 kHz*
 Sweep 368.3 ms (1001 pts)

CF Step: 2.985000 MHz
 Auto Ma
 Freq Offset: 0 Hz

The main plot area shows a spectrum with a flat noise floor at approximately -70 dBm across the entire frequency range from 150 kHz to 30 MHz. The y-axis scale ranges from -80 dBm to 10 dBm.

Agilent Spectrum Analyzer - Sweep SA

#1 F/L	RF	NO Q AC	SENSE CALIB	AUTOSW AUTO	12-27-24 Fri Feb 05, 2023
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Center Freq 515.000000 MHz

Pho: Fast → Trig: Free Run
IF Gain: Low #Atten: 36 dB

#Avg Type: RMS Avg/Hold: 5000

Trace [2 3 4 5 6]
Type [HAWKMAN]
Def [AAAAAA]

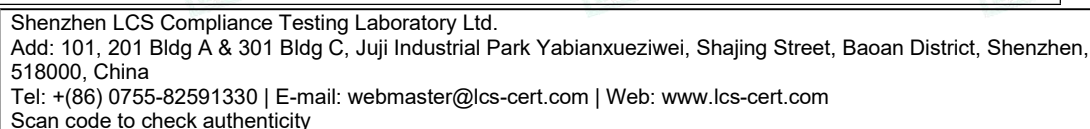
Ref Offset 5.19 dB Ref 25.00 dBm

Mkr2 254.6 MHz -40.712 dBm

10 dB/div Log

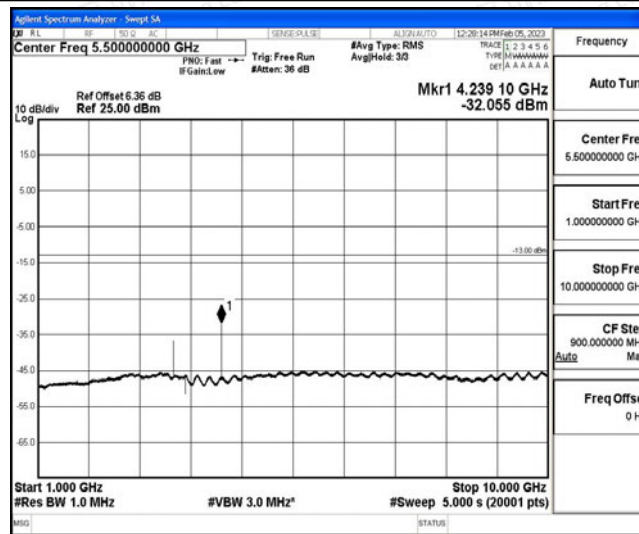
Start 30.0 MHz #Res BW 1.0 MHz #VBW 3.0 MHz* Stop 1.0000 GHz Sweep 1.200 ms (2001 pts)

Frequency Auto Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Ma Freq Offset 0 Hz

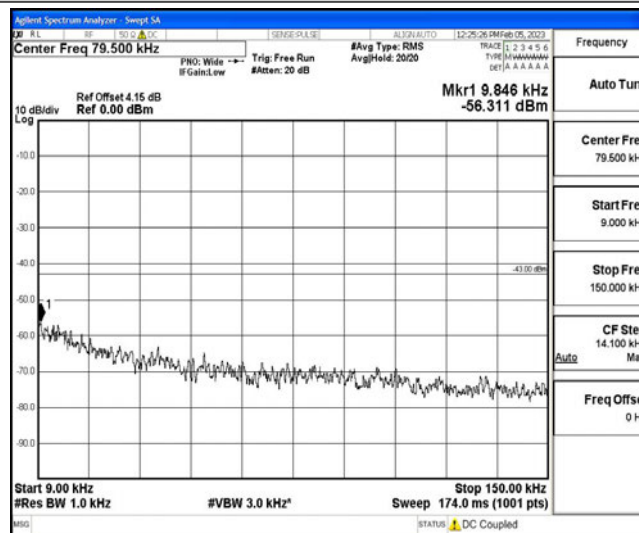




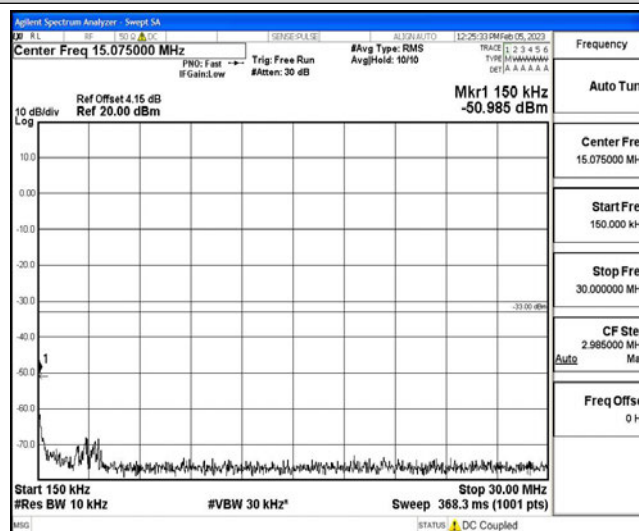
Band5-1.4MHz-QPSK-20643-1RB#0-Range4:1000~10000MHz



Band5-1.4MHz-16QAM-20407-1RB#0-Range1:0.009~0.15MHz

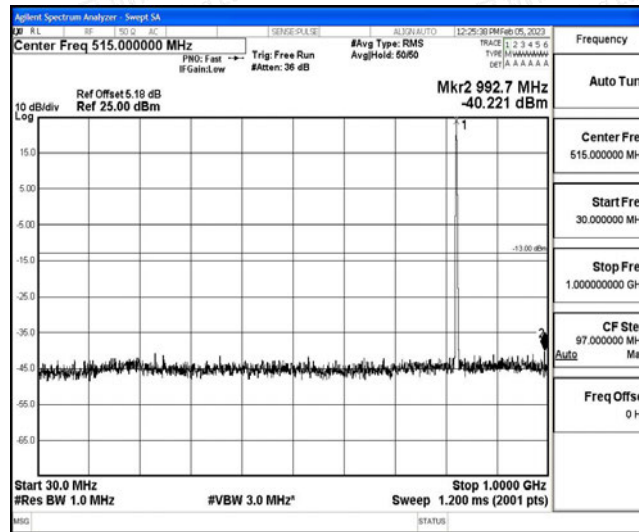


Band5-1.4MHz-16QAM-20407-1RB#0-Range2:0.15~30MHz

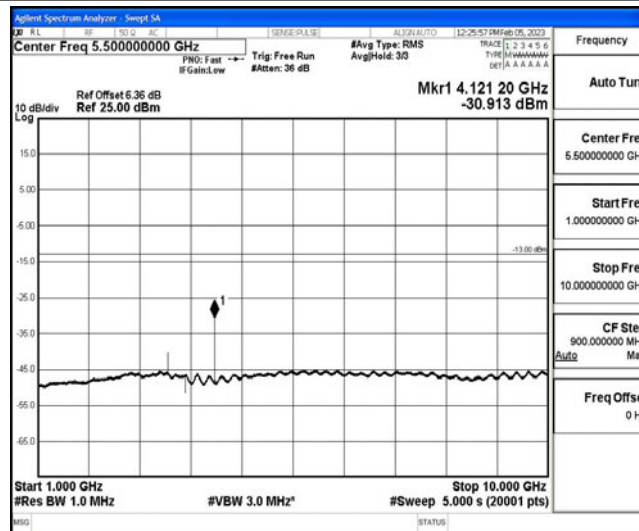




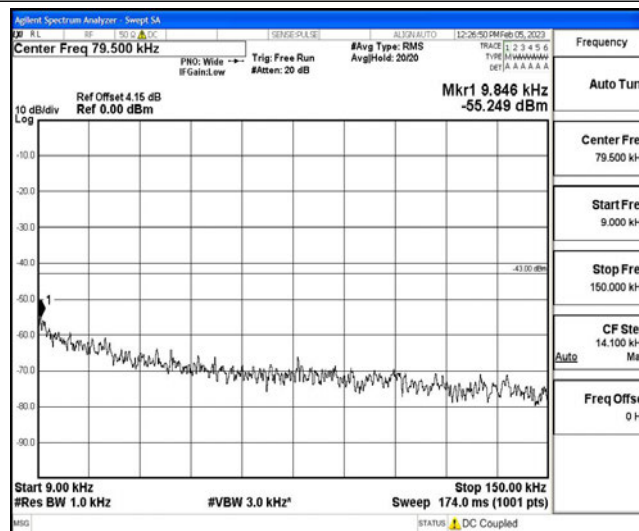
Band5-1.4MHz-16QAM-20407-1RB#0-Range3:30~1000MHz



Band5-1.4MHz-16QAM-20407-1RB#0-Range4:1000~10000MHz

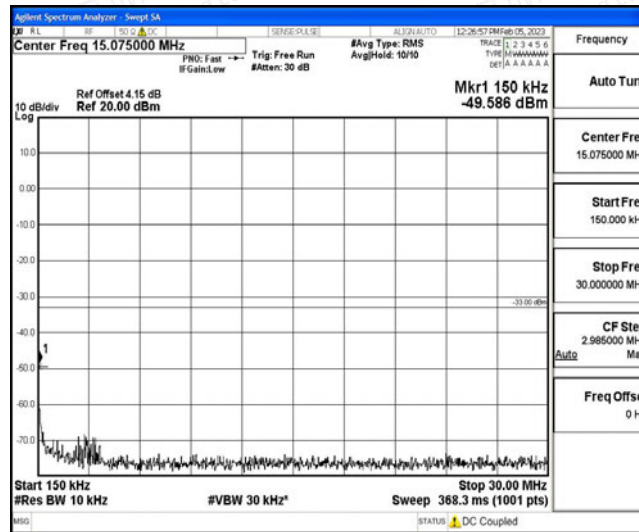


Band5-1.4MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz

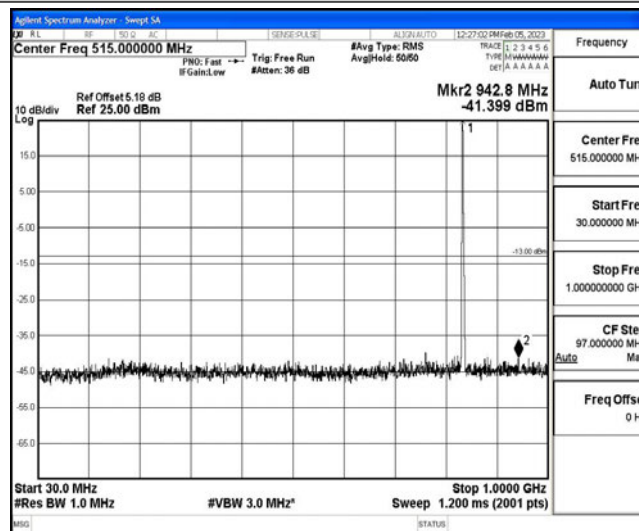




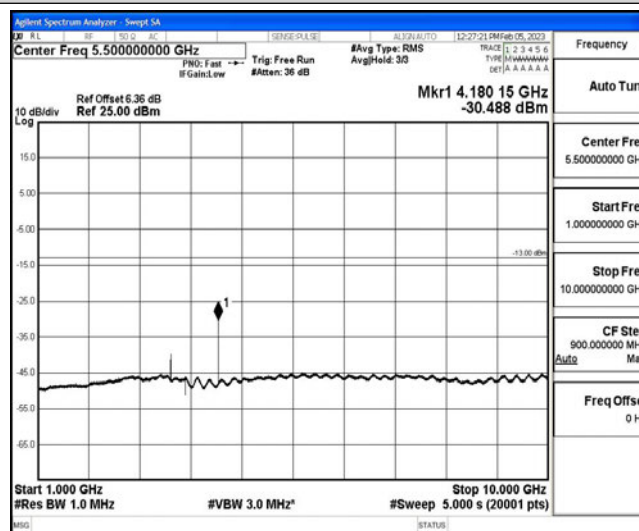
Band5-1.4MHz-16QAM-20525-1RB#0-Range2:0.15~30MHz



Band5-1.4MHz-16QAM-20525-1RB#0-Range3:30~1000MHz

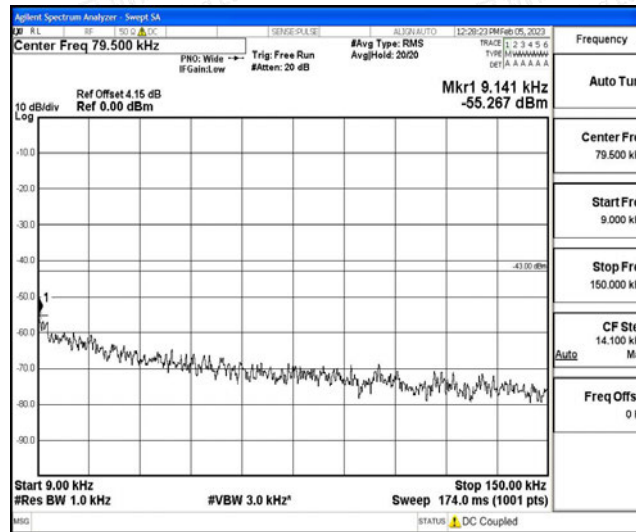


Band5-1.4MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz

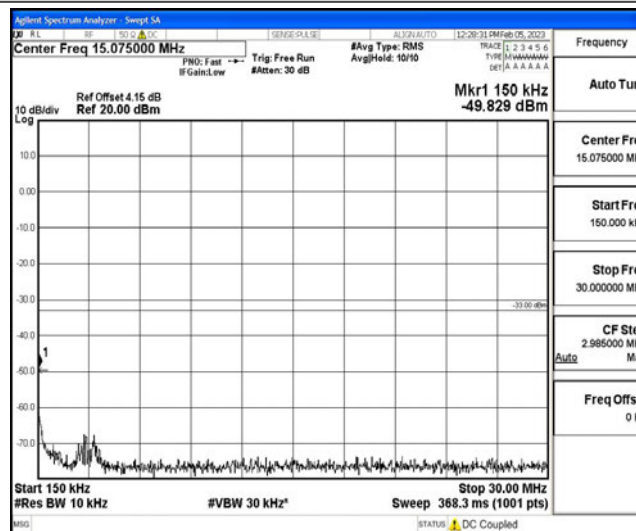




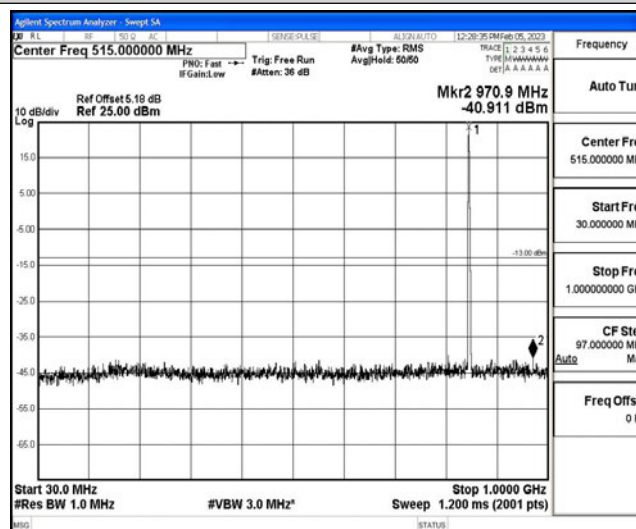
Band5-1.4MHz-16QAM-20643-1RB#0-Range1:0.009~0.15MHz



Band5-1.4MHz-16QAM-20643-1RB#0-Range2:0.15~30MHz

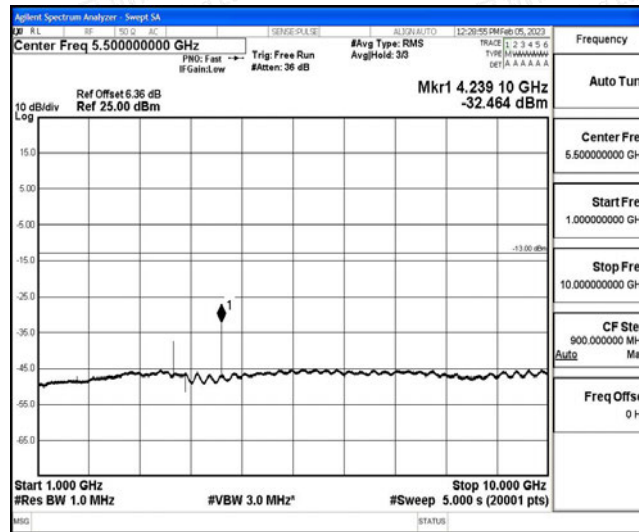


Band5-1.4MHz-16QAM-20643-1RB#0-Range3:30~1000MHz

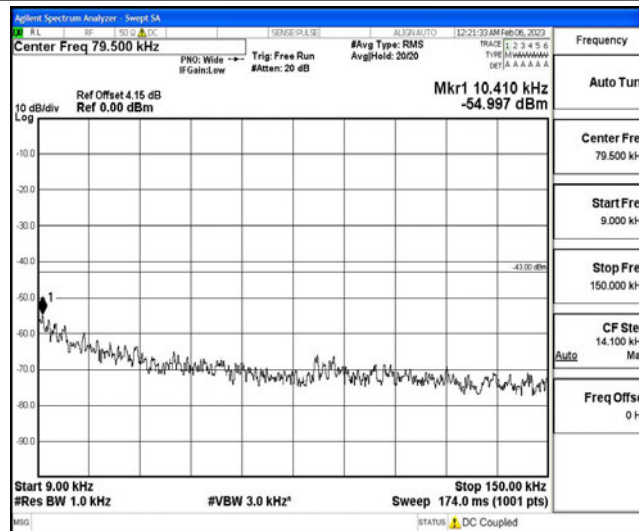




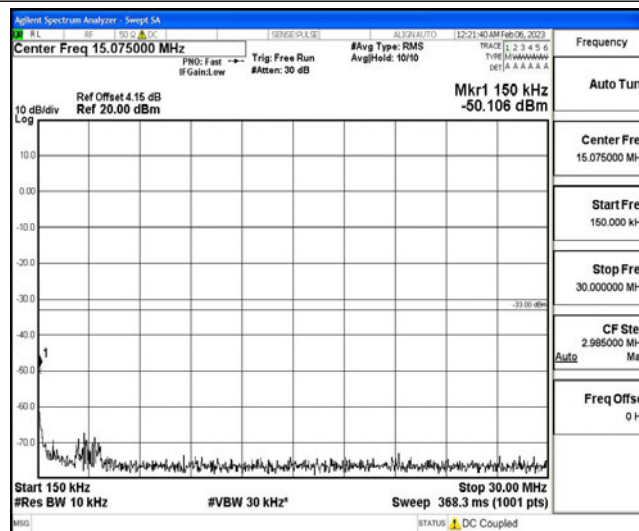
Band5-1.4MHz-16QAM-20643-1RB#0-Range4:1000~10000MHz



Band5-3MHz-QPSK-20415-1RB#0-Range1:0.009~0.15MHz

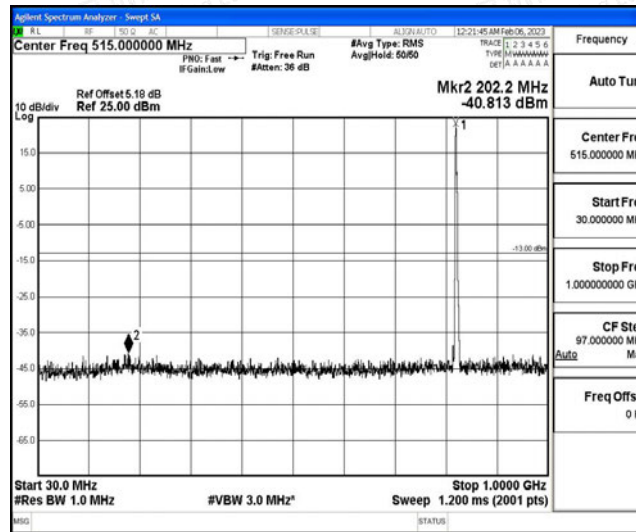


Band5-3MHz-QPSK-20415-1RB#0-Range2:0.15~30MHz

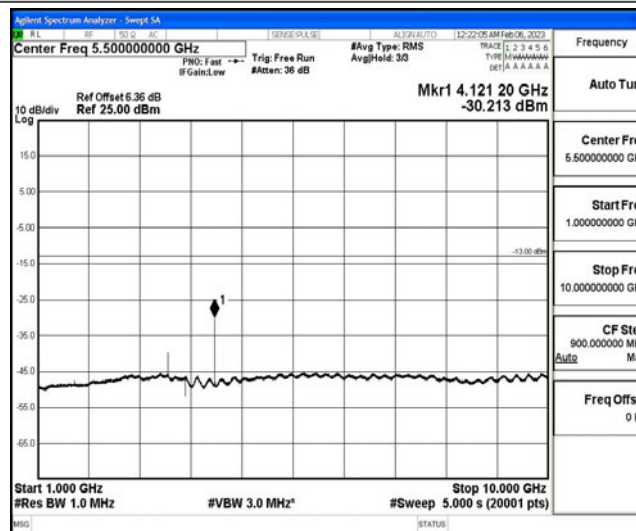




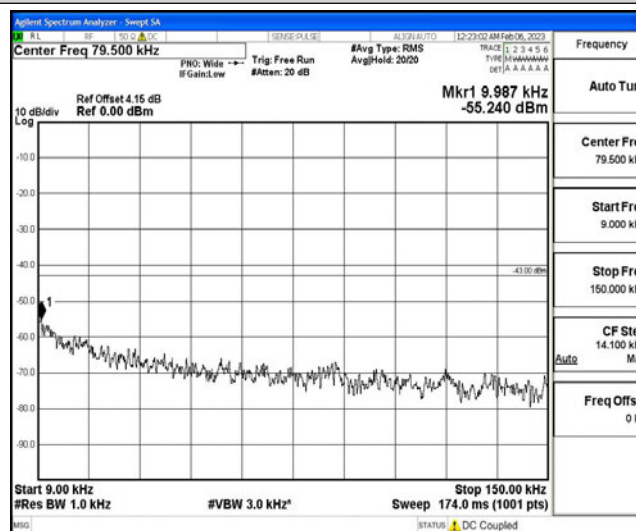
Band5-3MHz-QPSK-20415-1RB#0-Range3:30~1000MHz



Band5-3MHz-QPSK-20415-1RB#0-Range4:1000~10000MHz

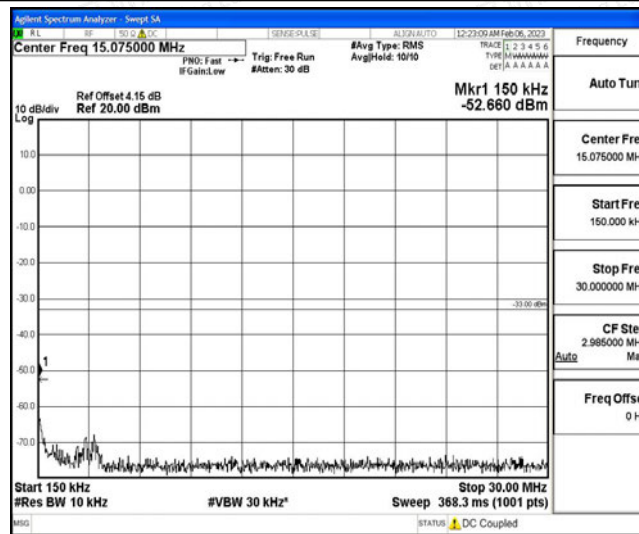


Band5-3MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz

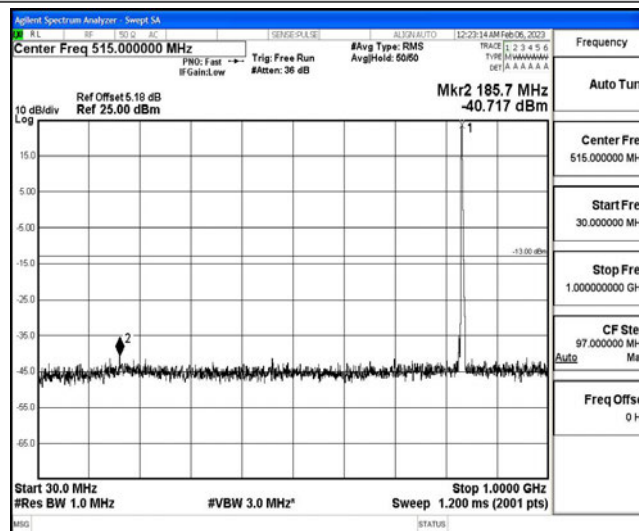




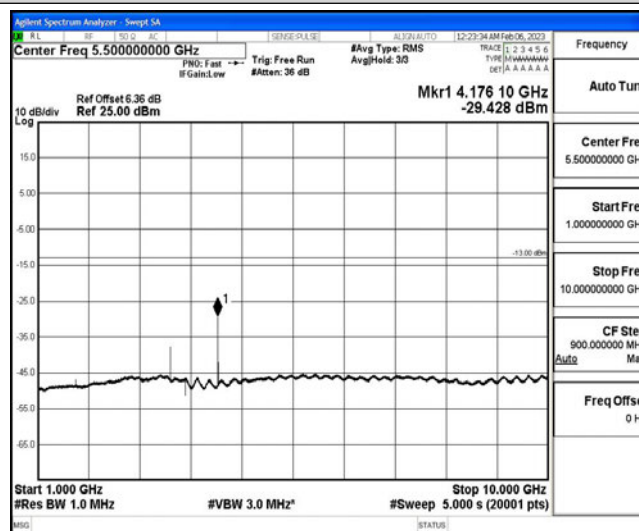
Band5-3MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



Band5-3MHz-QPSK-20525-1RB#0-Range3:30~1000MHz

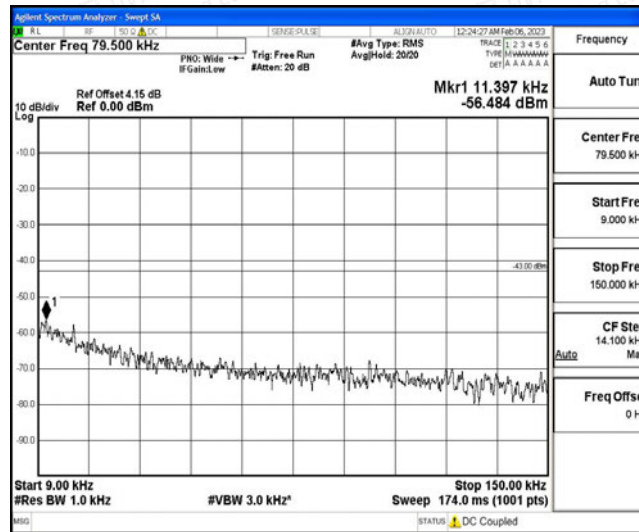


Band5-3MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz

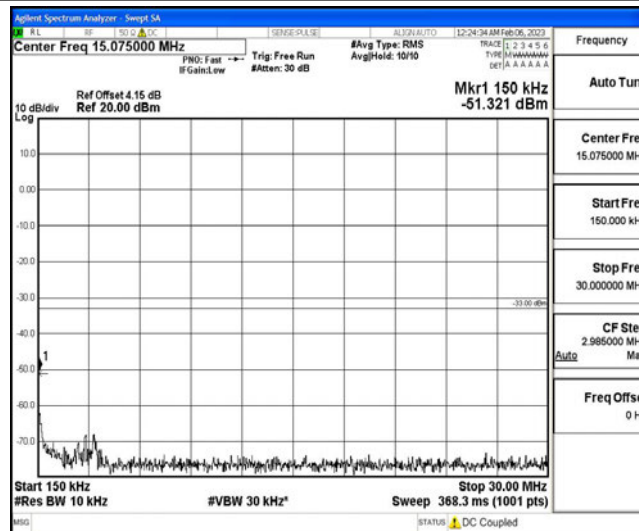




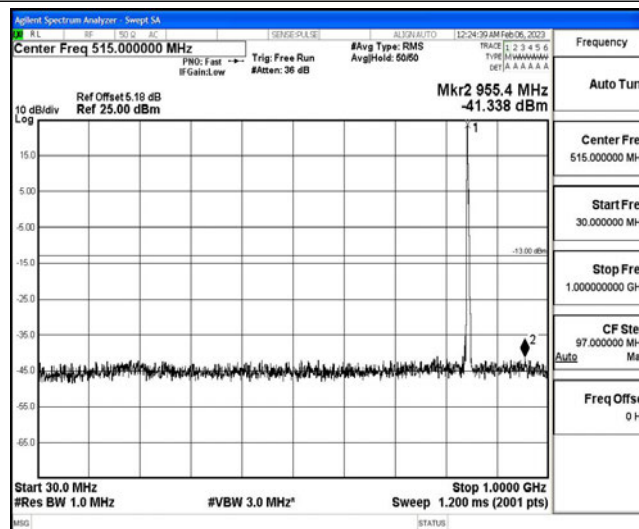
Band5-3MHz-QPSK-20635-1RB#0-Range1:0.009~0.15MHz



Band5-3MHz-QPSK-20635-1RB#0-Range2:0.15~30MHz

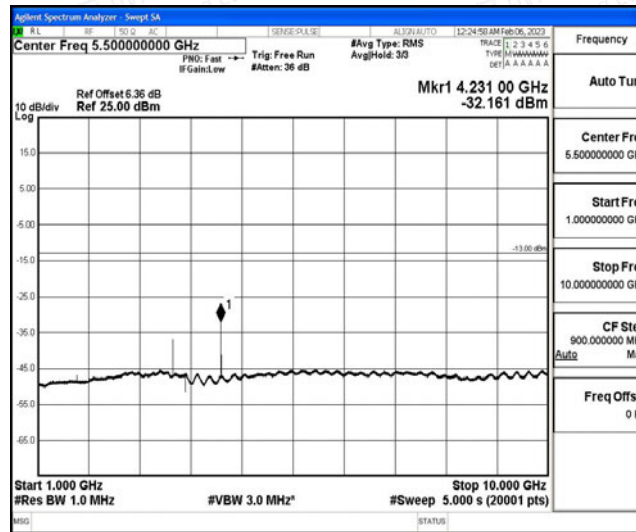


Band5-3MHz-QPSK-20635-1RB#0-Range3:30~1000MHz

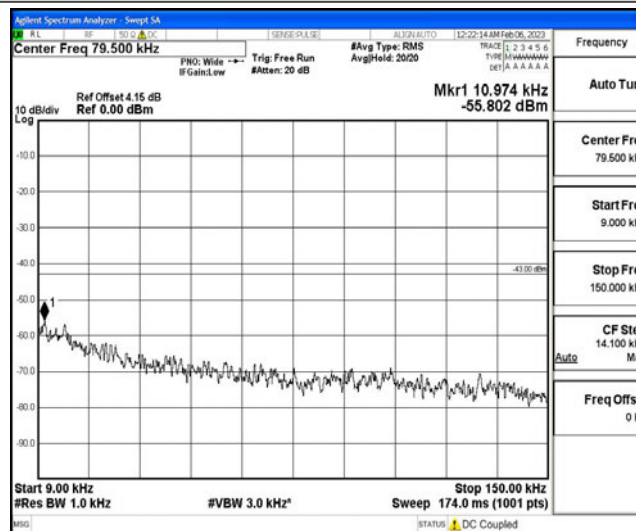




Band5-3MHz-QPSK-20635-1RB#0-Range4:1000~10000MHz



Band5-3MHz-16QAM-20415-1RB#0-Range1:0.009~0.15MHz



Band5-3MHz-16QAM-20415-1RB#0-Range2:0.15~30MHz

