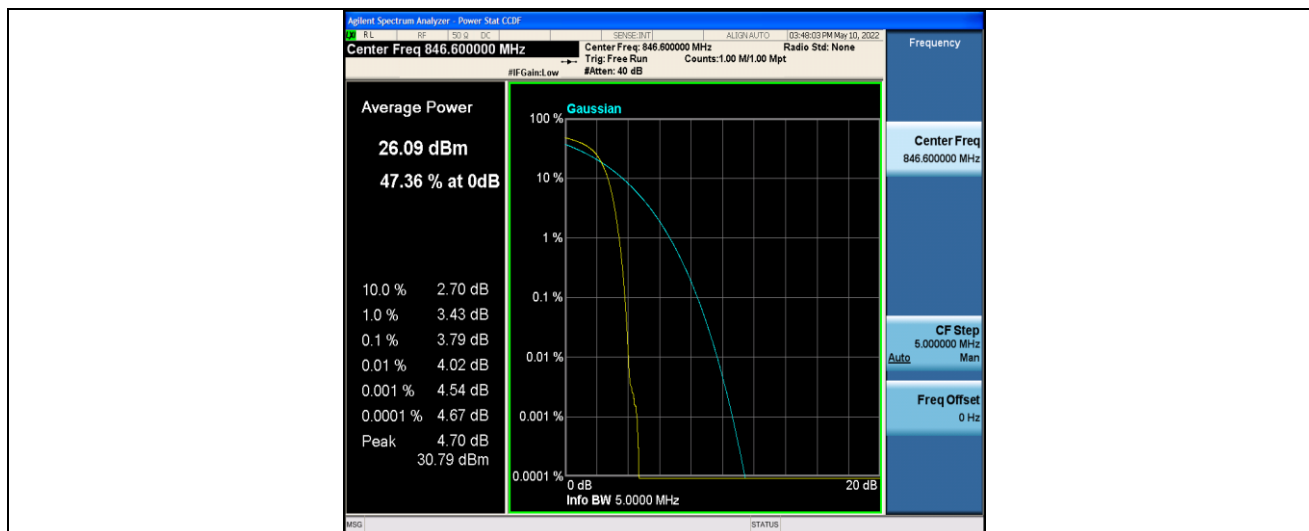
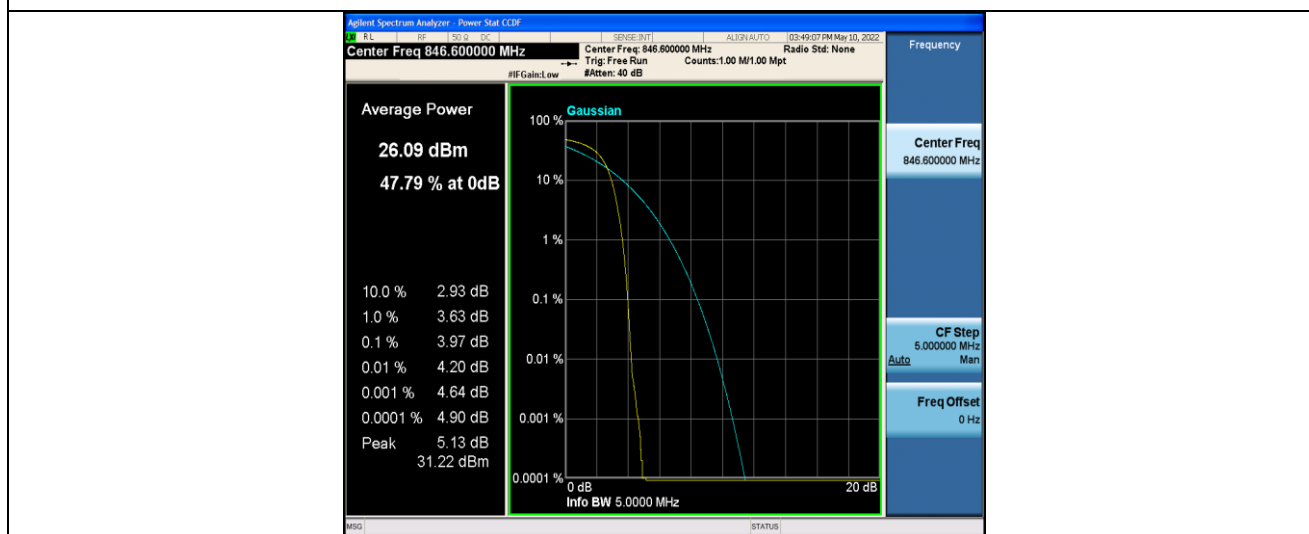
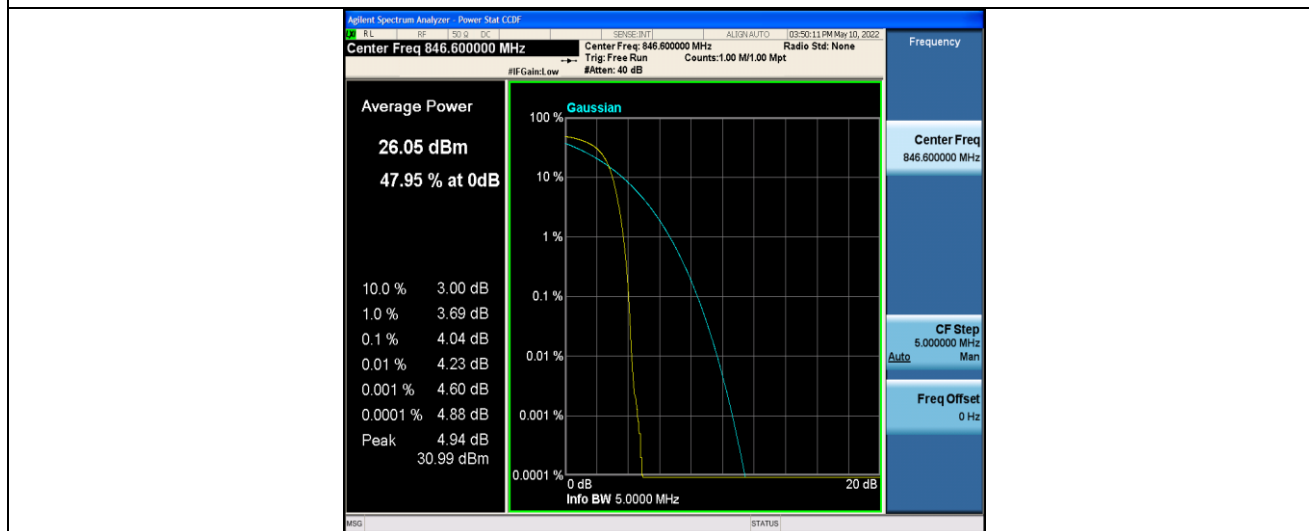




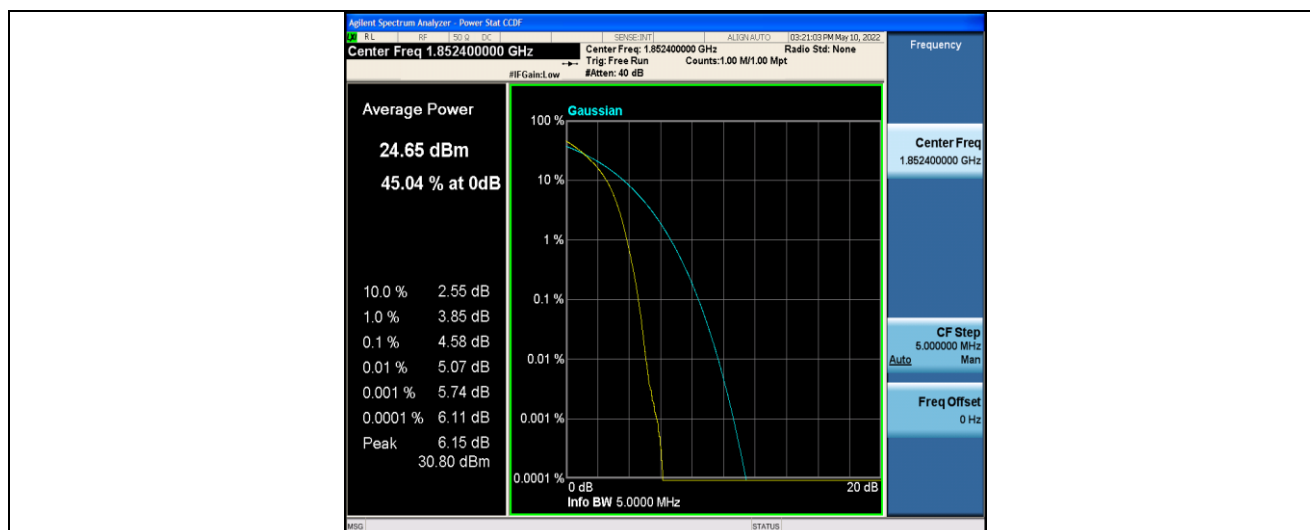
Band5-4233-3



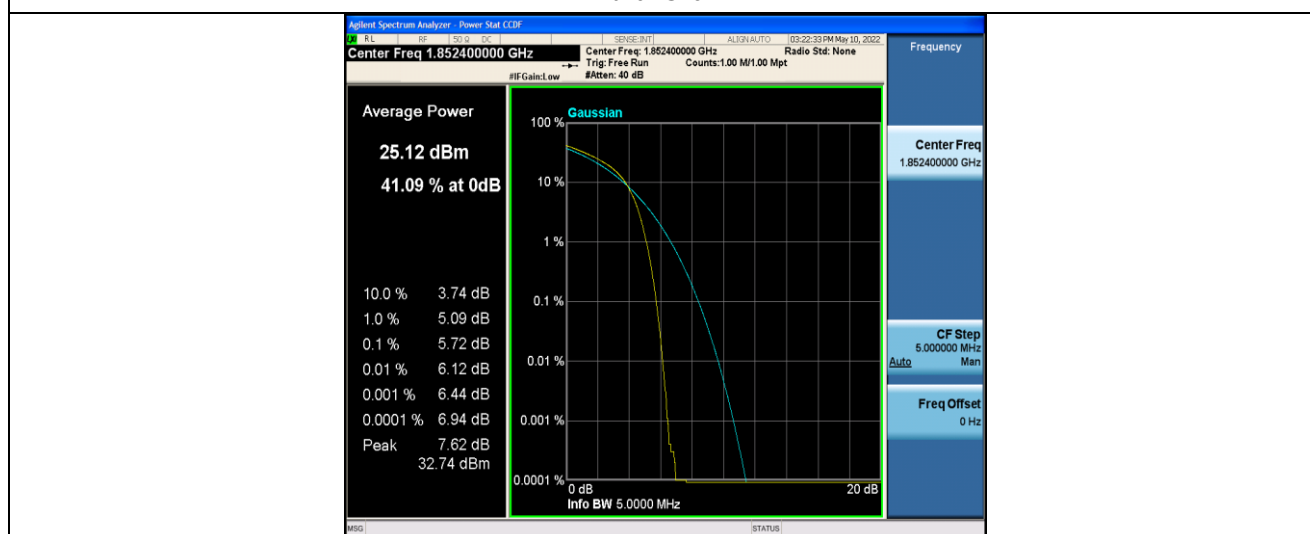
Band5-4233-4



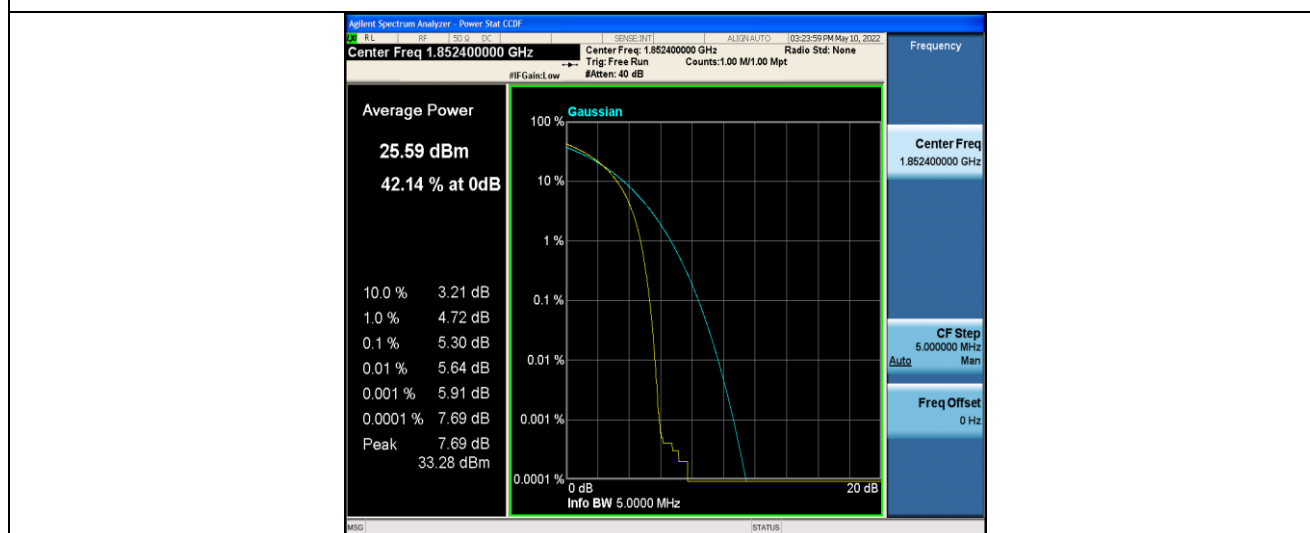
Band2-9262-1



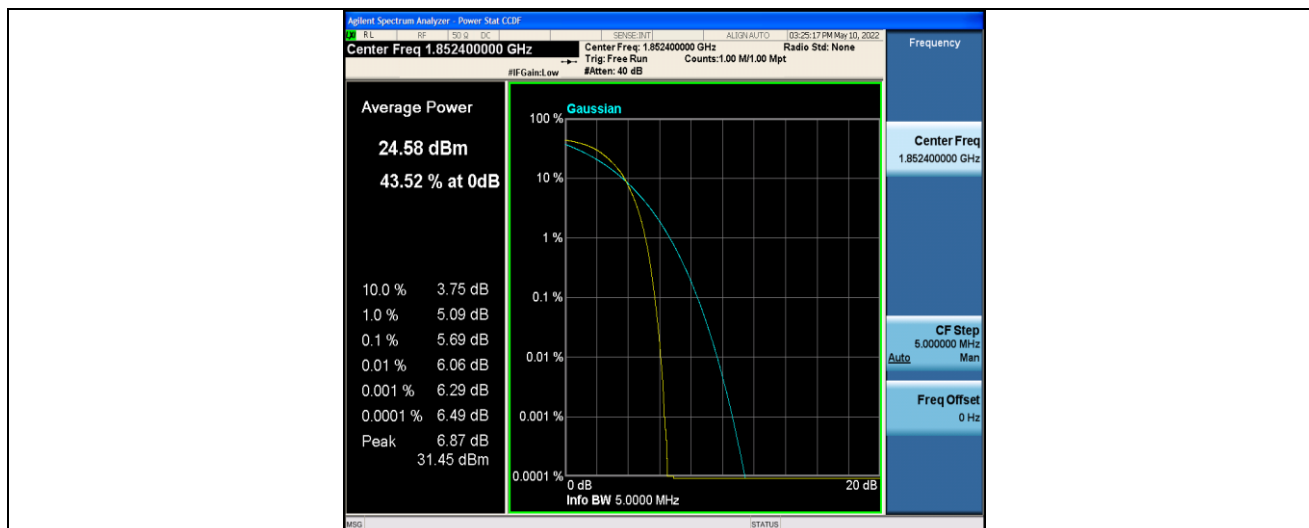
Band2-9262-2



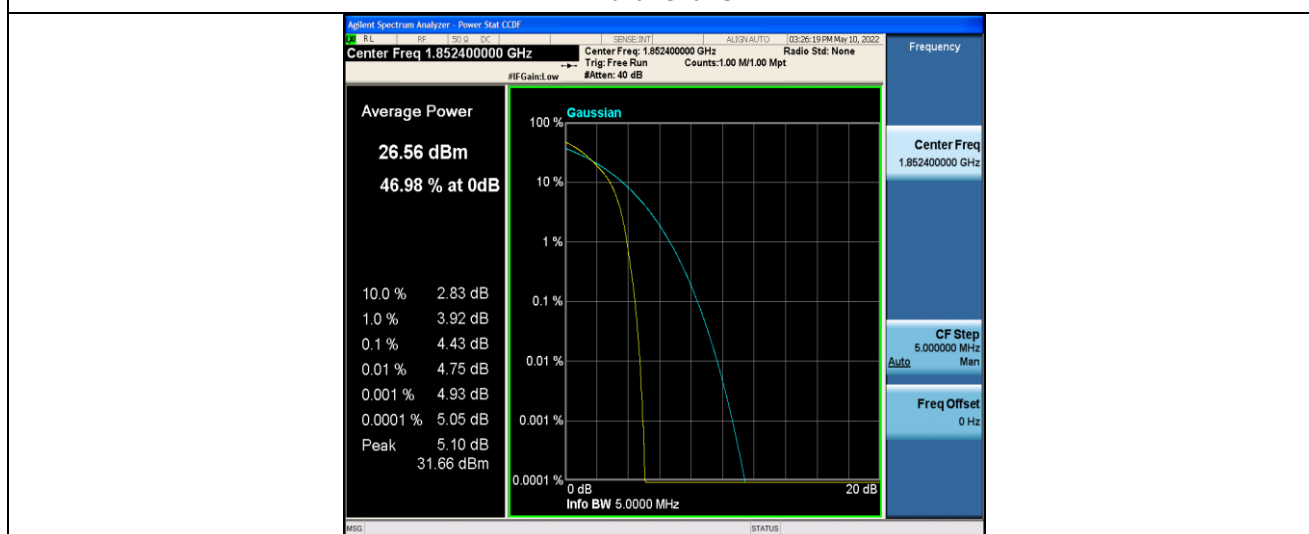
Band2-9262-3



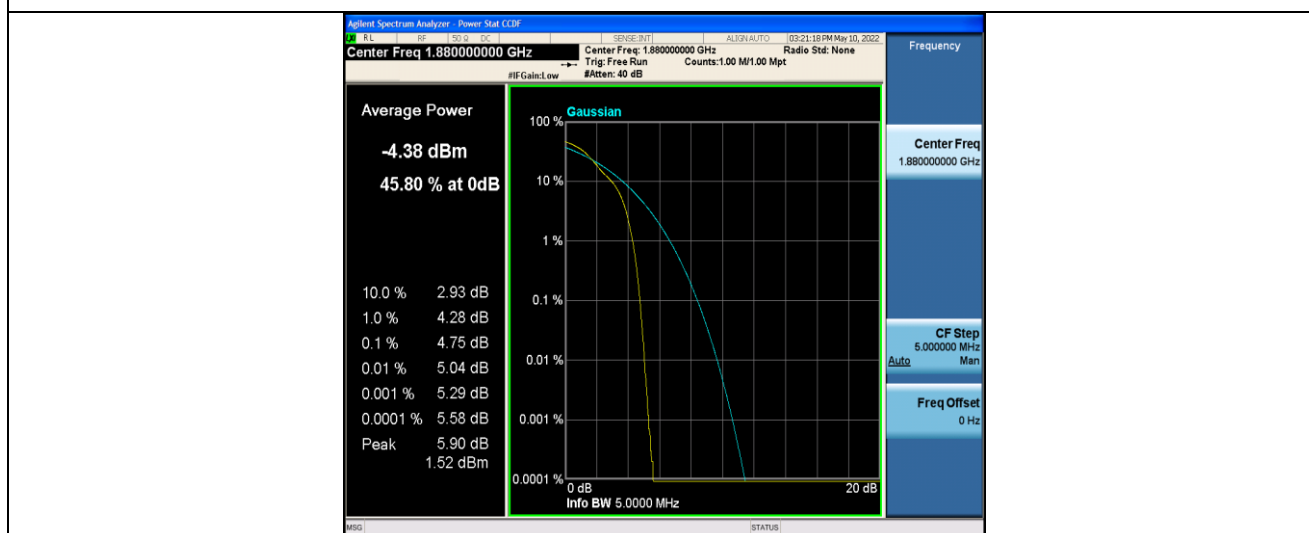
Band2-9262-4



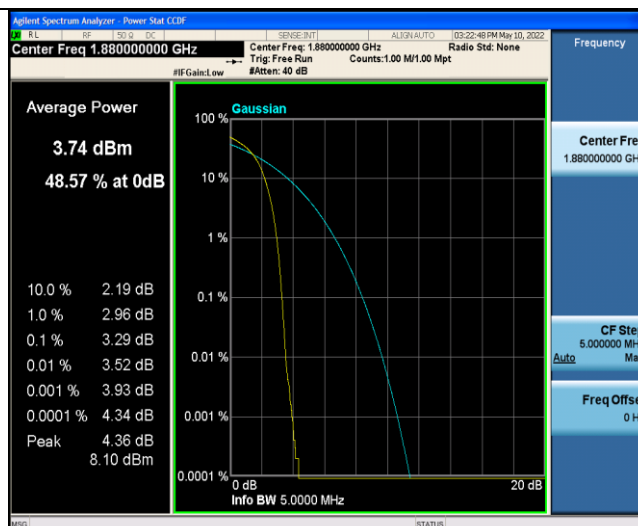
Band2-9262-5



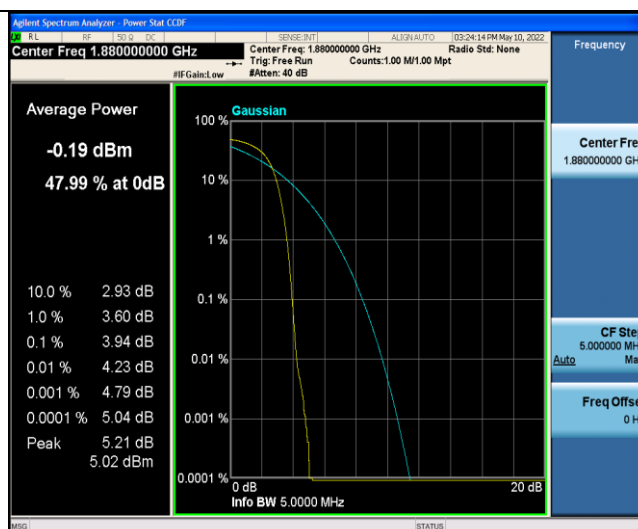
Band2-9400-1



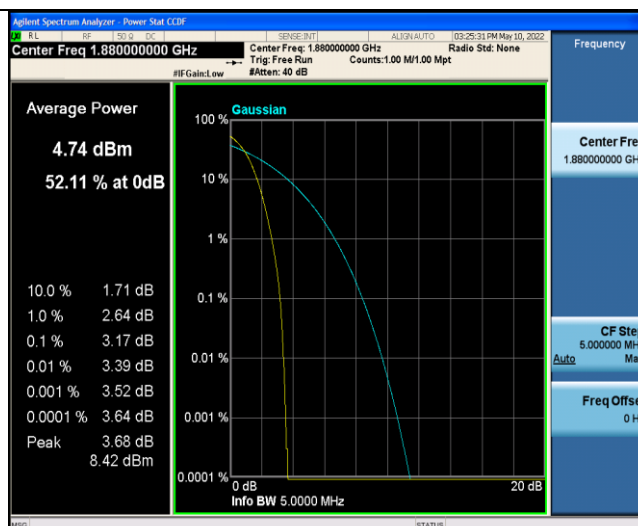
Band2-9400-2



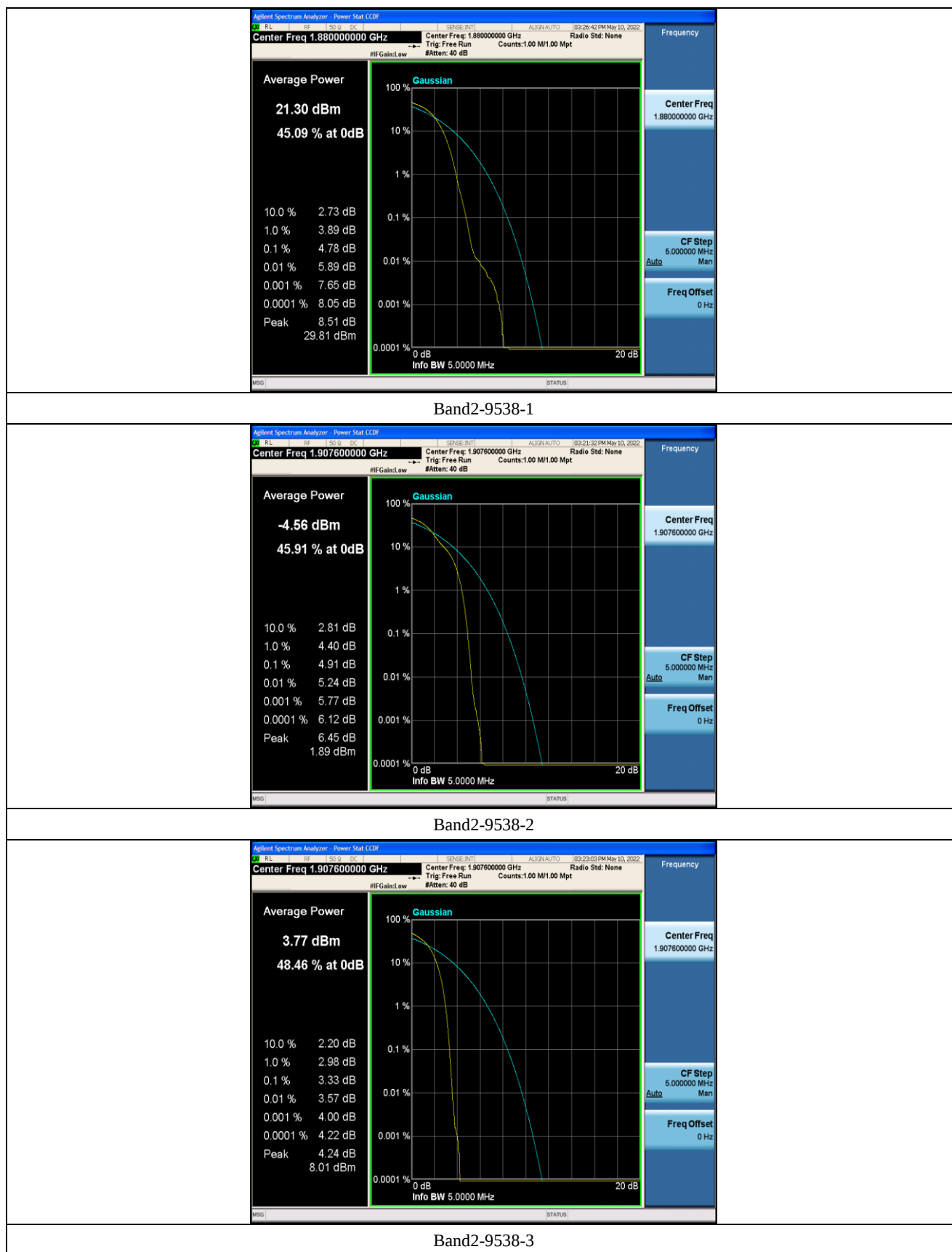
Band2-9400-3

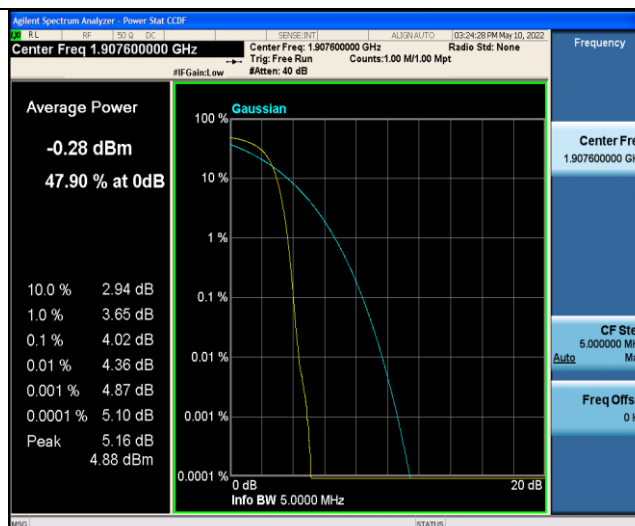


Band2-9400-4

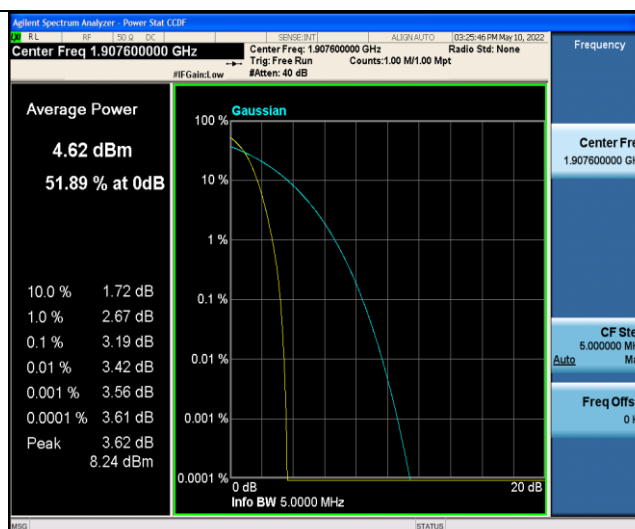


Band2-9400-5

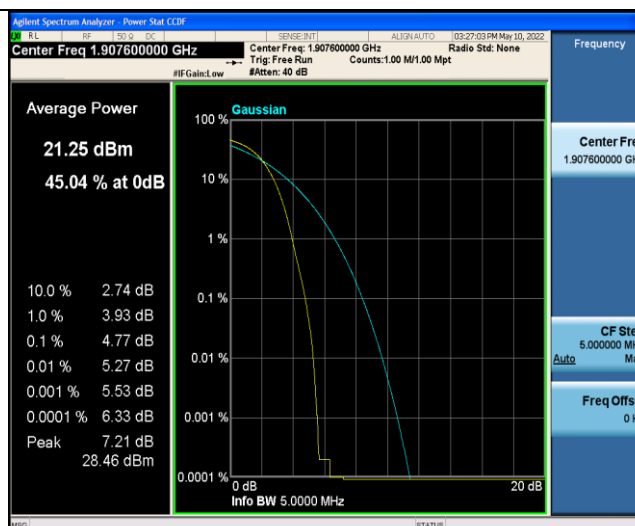




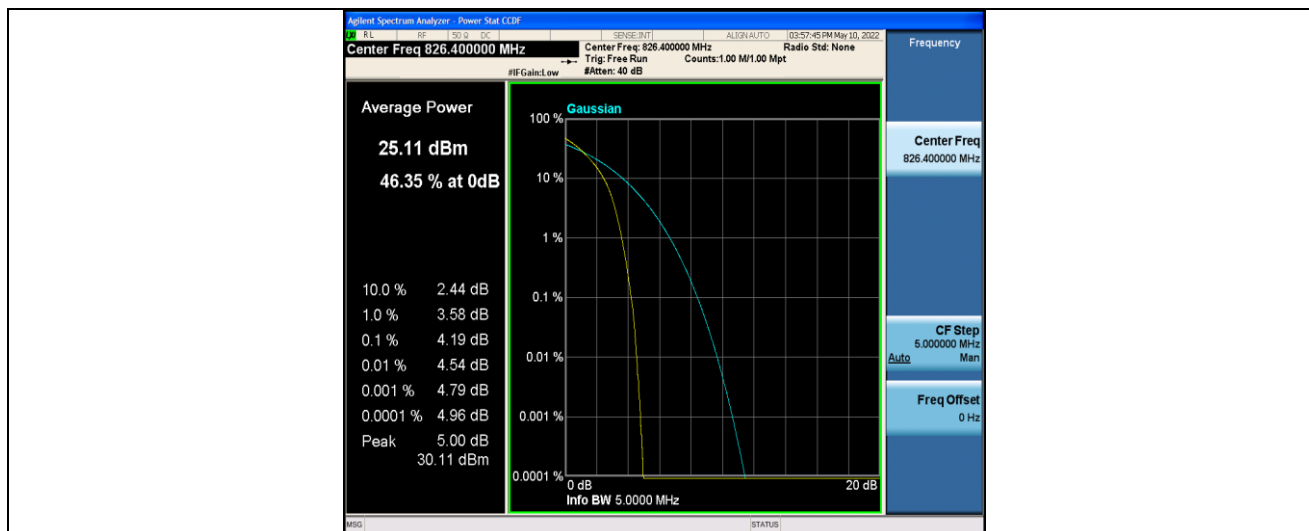
Band2-9538-4



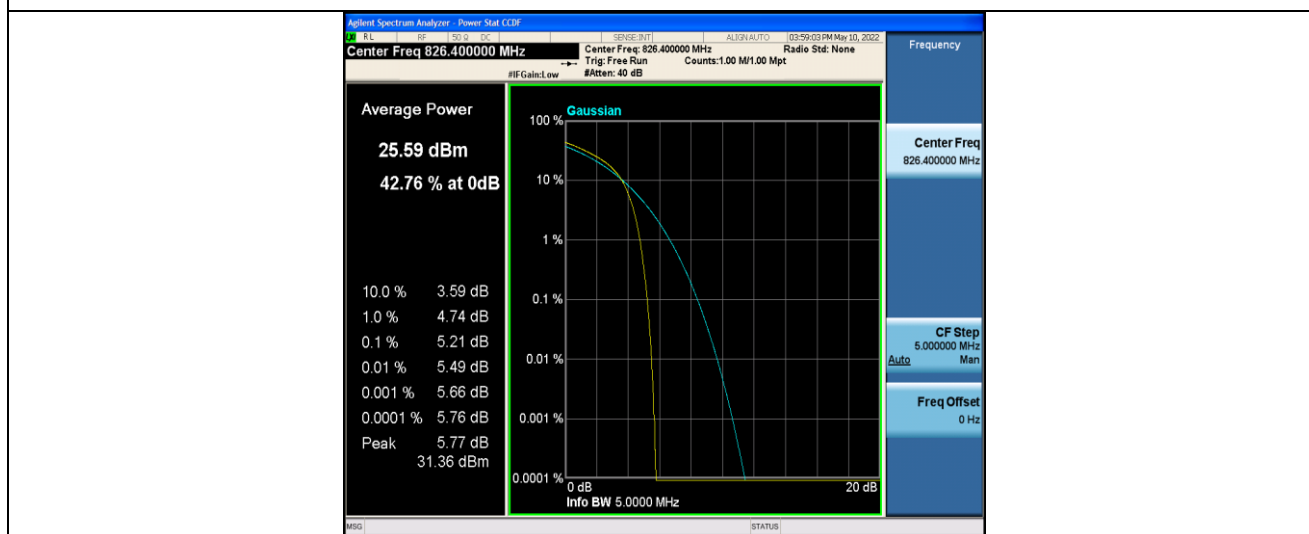
Band2-9538-5



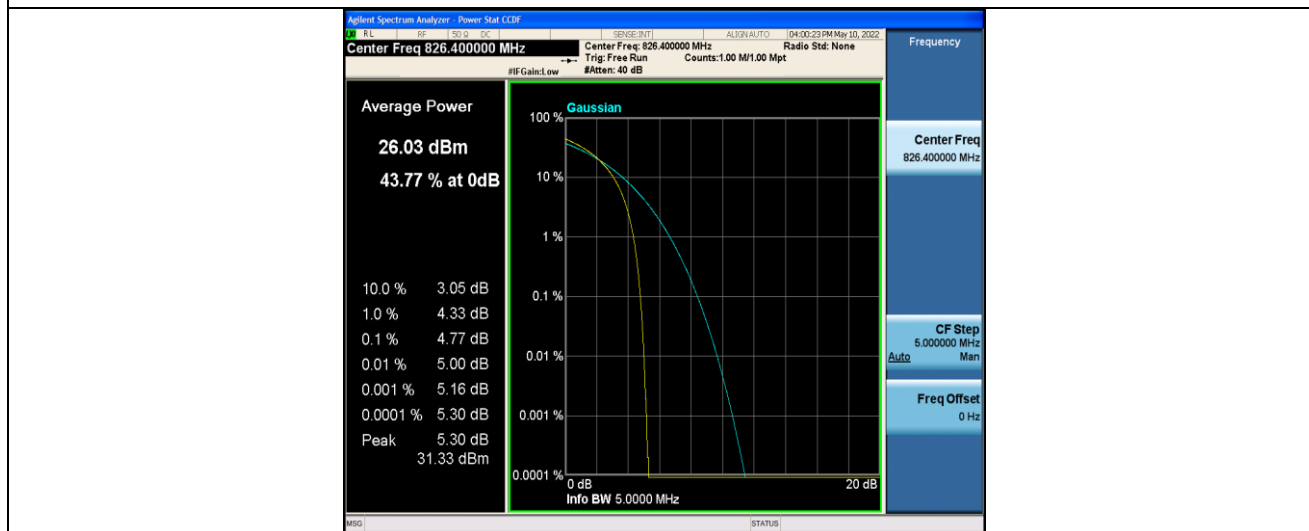
Band5-4132-1



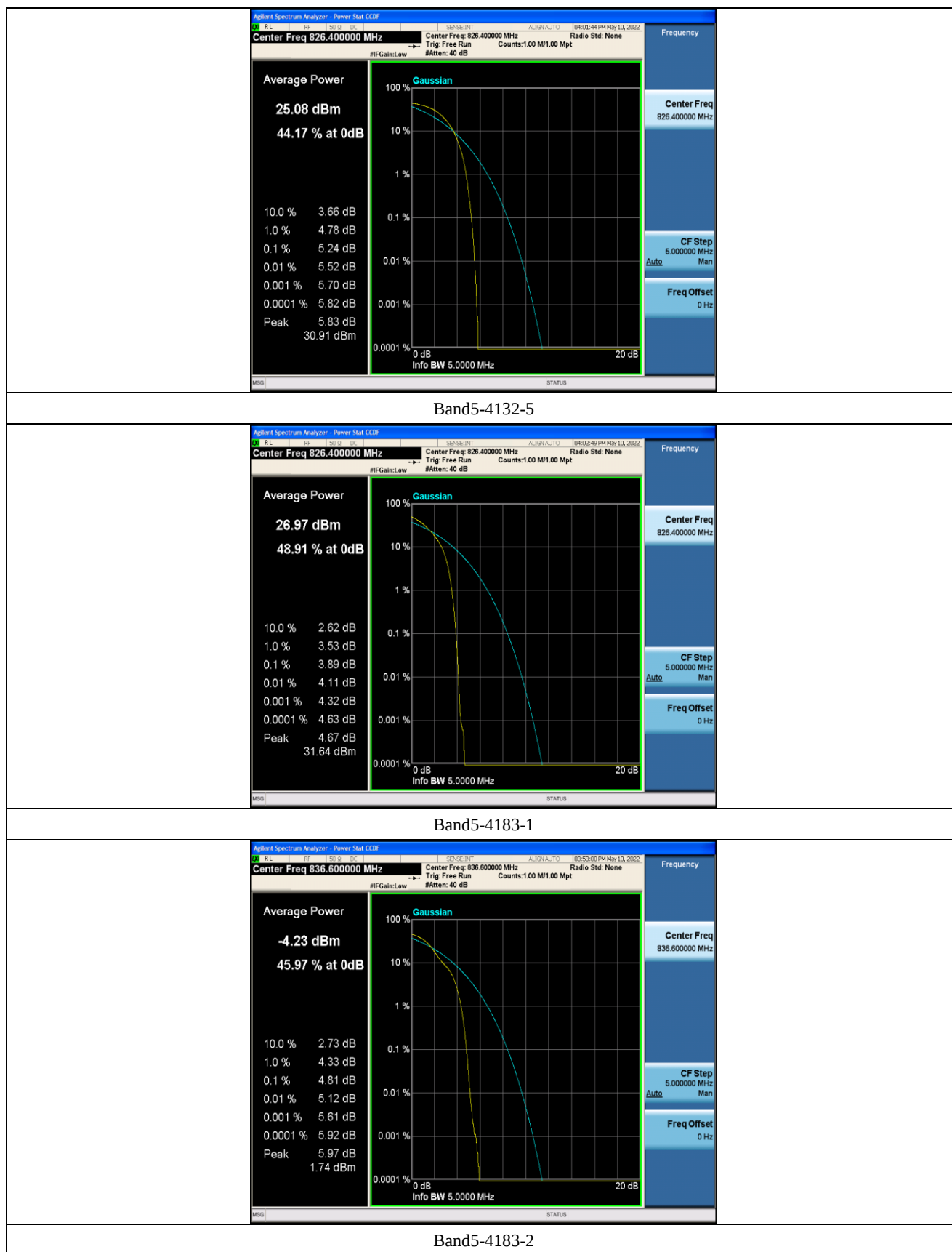
Band5-4132-2



Band5-4132-3

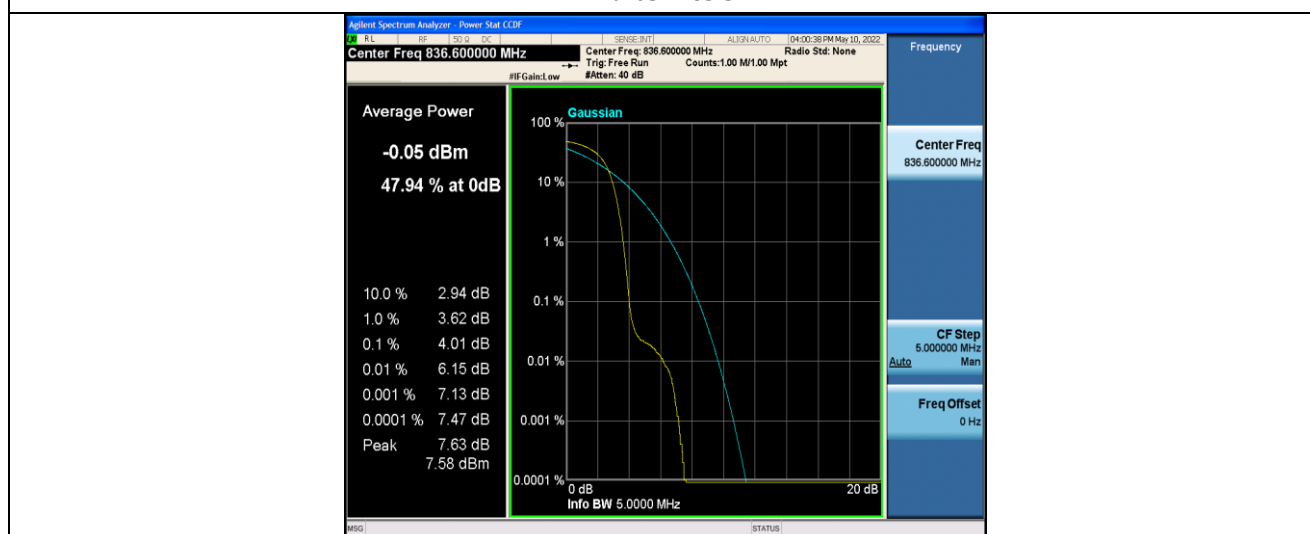


Band5-4132-4

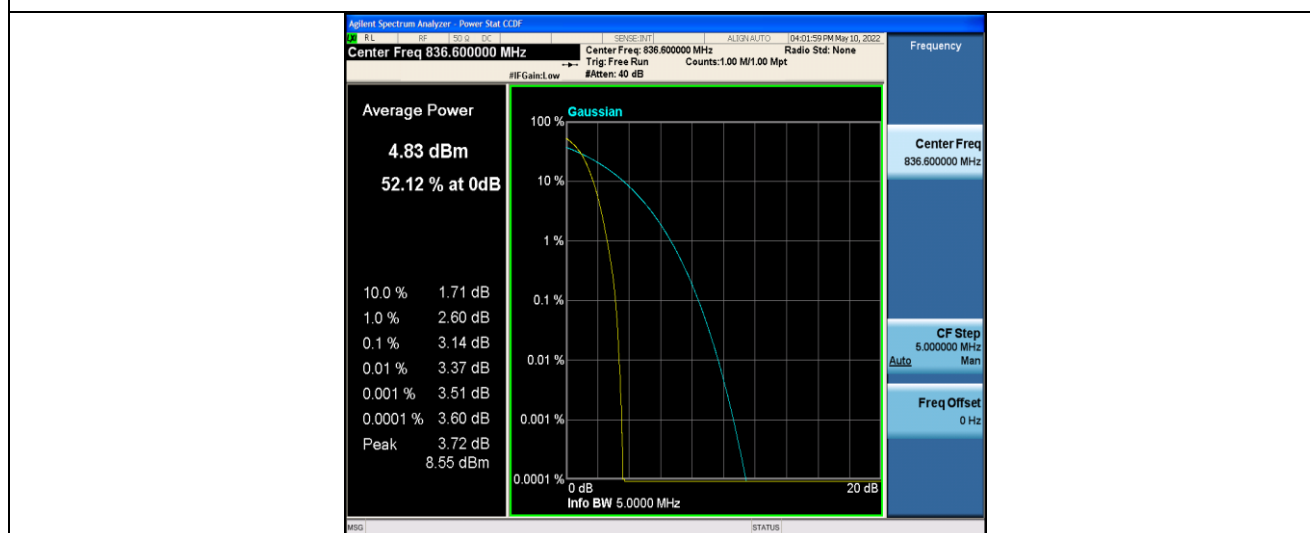




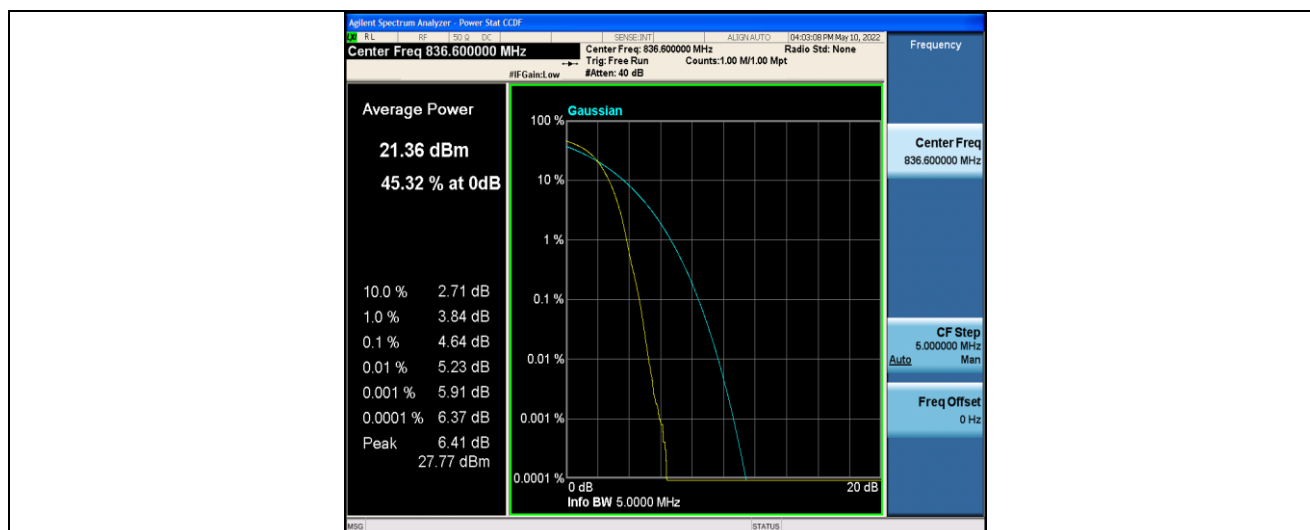
Band5-4183-3



Band5-4183-4



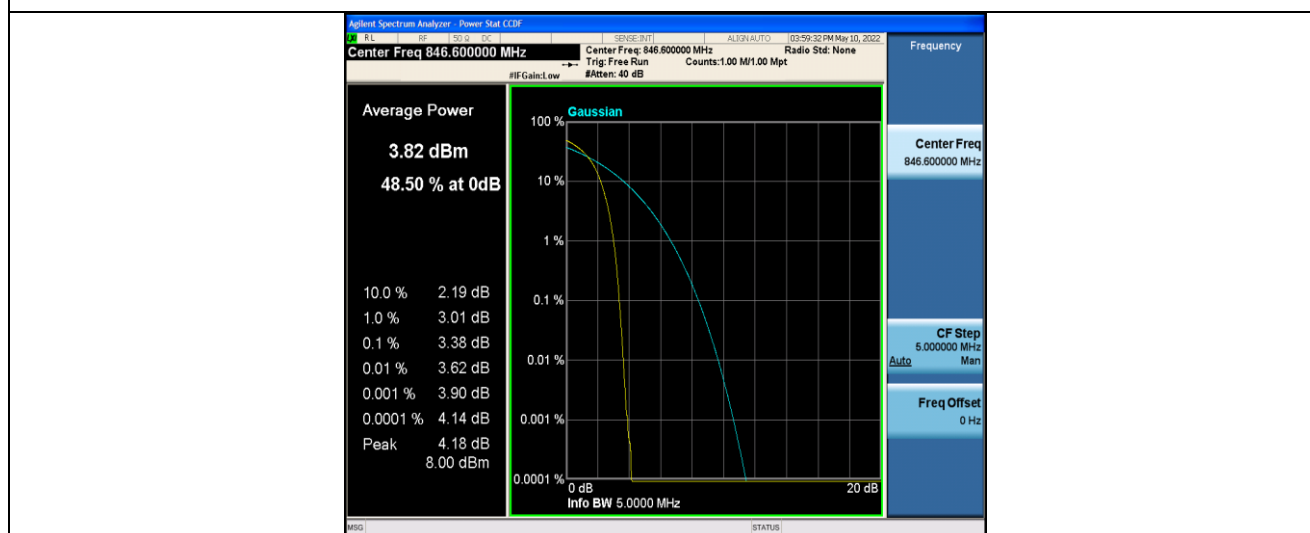
Band5-4183-5



Band5-4233-1



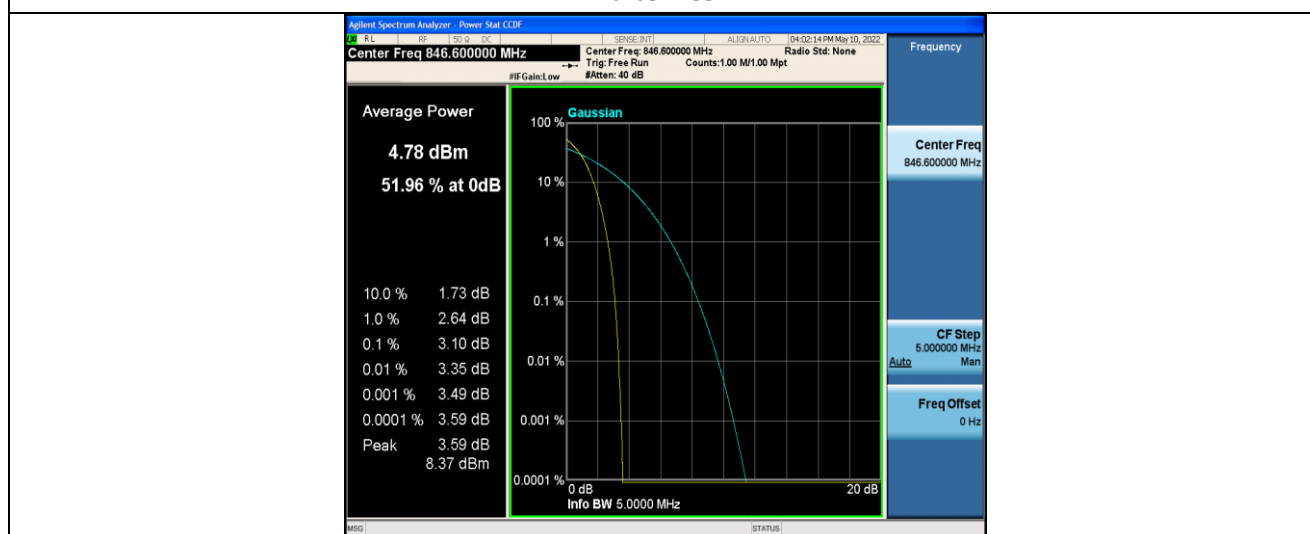
Band5-4233-2



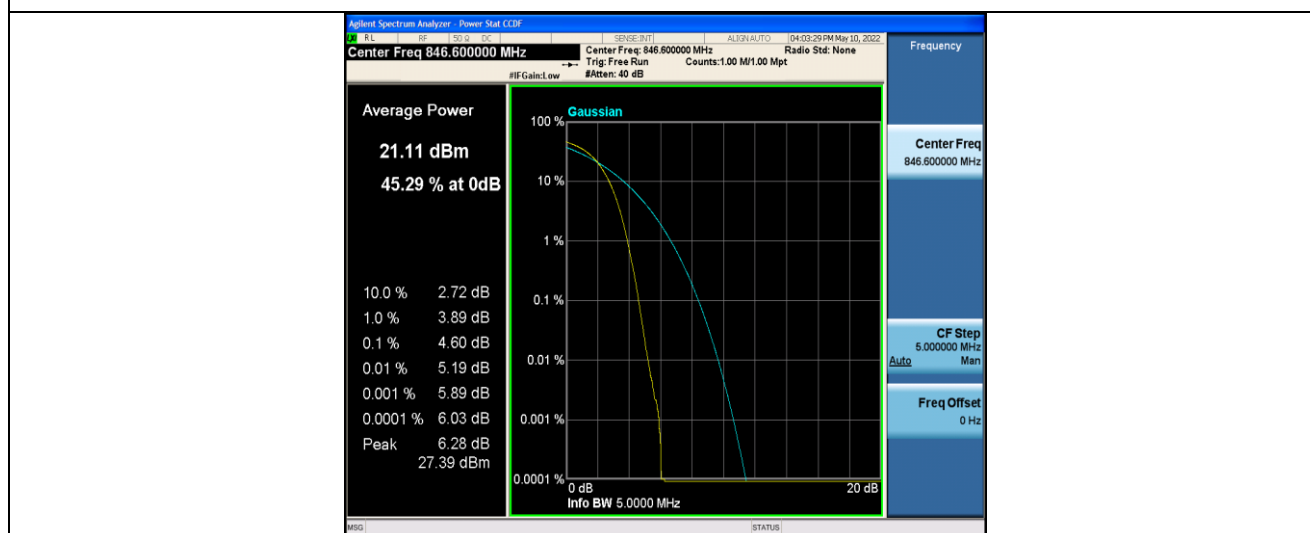
Band5-4233-3



Band5-4233-4



Band5-4233-5





Note: all modes of EUT have been tested; only the data of worst case mode is reported.

5.3 Occupied bandwidth

5.3.1 Test method

1. The EUT was directly connected to the spectrum analyzer and Base station via power splitter as show in the block diagram above.
2. The resolution bandwidth of the Spectrum Analyzer is set to at least 1% of the occupied bandwidth.
3. The low, middle and the high channels are selected to perform tests respectively.
4. Set the frequency range of the Spectrum Analyzer suitably to capture the waveform; search peak; make a line whose value is 26dB lower than the peak; mark two points which the line intersected the waveform at; finally record the delta of the two points as the occupied bandwidth and the plot.
5. Set the Spectrum Analyzer Occupied bandwidth function to measure the 99% occupied bandwidth.

5.3.2 Test result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)
GPRS850	128	246.41	315.0
	190	241.33	316.8
	251	244.13	311.3
EGPRS850	128	245.83	312.4
	190	247.60	315.0
	251	246.74	310.0
GPRS1900	512	245.76	312.6
	661	243.86	309.7
	810	243.05	314.2
EGPRS1900	512	245.75	311.0
	661	246.19	314.5
	810	244.84	311.8



Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	9262	4.1534	4.695	PASS
Band2	9400	4.1565	4.688	PASS
Band2	9538	4.1607	4.691	PASS
Band5	4132	4.1592	4.708	PASS
Band5	4183	4.1712	4.715	PASS
Band5	4233	4.1630	4.696	PASS

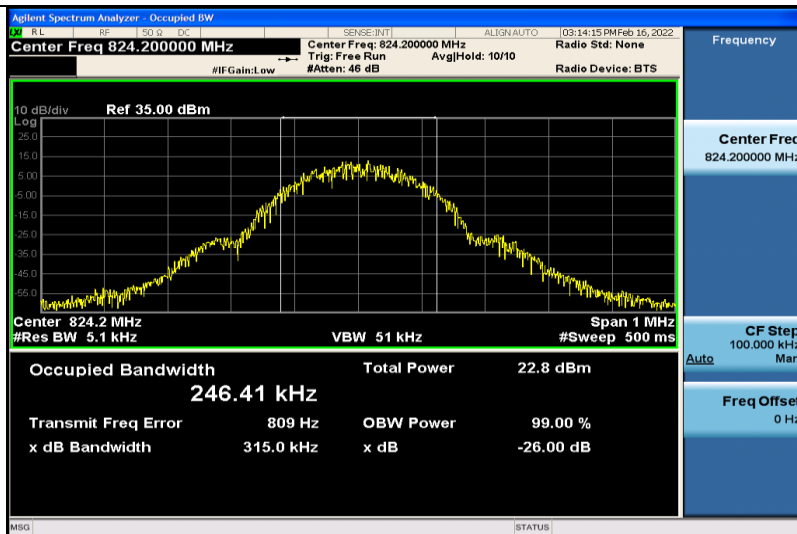
Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	9262	1	4.1584	4.693	PASS
Band2	9262	2	4.1671	4.714	PASS
Band2	9262	3	4.1746	4.710	PASS
Band2	9262	4	4.1664	4.723	PASS
Band2	9400	1	4.1614	4.697	PASS
Band2	9400	2	4.1619	4.704	PASS
Band2	9400	3	4.1743	4.729	PASS
Band2	9400	4	4.1743	5.025	PASS
Band2	9538	1	4.1642	4.696	PASS
Band2	9538	2	4.1735	4.718	PASS
Band2	9538	3	4.1675	4.707	PASS
Band2	9538	4	4.1712	4.719	PASS
Band5	4132	1	4.1609	4.708	PASS
Band5	4132	2	4.1527	4.705	PASS
Band5	4132	3	4.1545	4.696	PASS
Band5	4132	4	4.1489	4.701	PASS
Band5	4183	1	4.1764	4.708	PASS
Band5	4183	2	4.1770	4.715	PASS
Band5	4183	3	4.1721	4.711	PASS
Band5	4183	4	4.1746	4.710	PASS
Band5	4233	1	4.1659	4.708	PASS
Band5	4233	2	4.1647	4.696	PASS
Band5	4233	3	4.1657	4.695	PASS
Band5	4233	4	4.1627	4.693	PASS



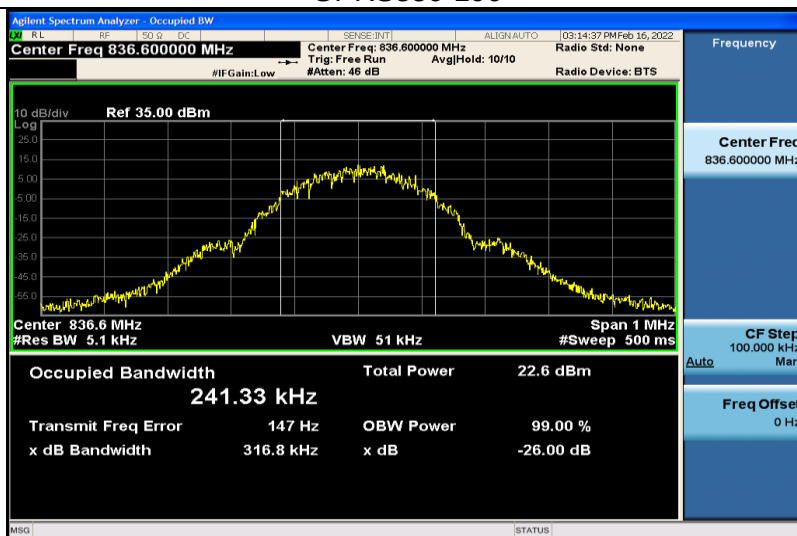
Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	9262	1	4.1793	4.705	PASS
Band2	9262	2	4.2124	5.141	PASS
Band2	9262	3	4.2055	5.401	PASS
Band2	9262	4	4.2105	5.178	PASS
Band2	9262	5	4.1764	5.007	PASS
Band2	9400	1	4.2556	4.759	PASS
Band2	9400	2	4.1779	4.711	PASS
Band2	9400	3	4.2034	4.724	PASS
Band2	9400	4	4.1738	4.719	PASS
Band2	9400	5	4.1776	4.738	PASS
Band2	9538	1	4.1878	4.695	PASS
Band2	9538	2	4.1747	4.712	PASS
Band2	9538	3	4.2053	4.727	PASS
Band2	9538	4	4.1715	4.711	PASS
Band2	9538	5	4.1836	4.699	PASS
Band5	4132	1	4.1719	4.719	PASS
Band5	4132	2	4.1783	4.703	PASS
Band5	4132	3	4.1767	4.713	PASS
Band5	4132	4	4.1741	4.705	PASS
Band5	4132	5	4.1639	4.713	PASS
Band5	4183	1	4.2281	4.748	PASS
Band5	4183	2	4.1858	4.714	PASS
Band5	4183	3	4.1989	4.719	PASS
Band5	4183	4	4.1852	4.718	PASS
Band5	4183	5	4.1757	4.704	PASS
Band5	4233	1	4.2608	4.768	PASS
Band5	4233	2	4.1709	4.697	PASS
Band5	4233	3	4.1843	4.719	PASS
Band5	4233	4	4.1709	4.706	PASS
Band5	4233	5	4.1820	4.693	PASS



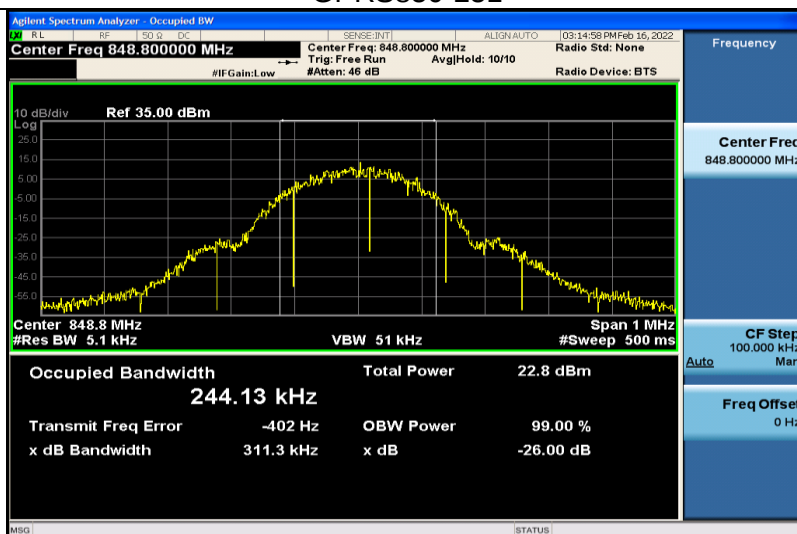
GPRS850-128



GPRS850-190

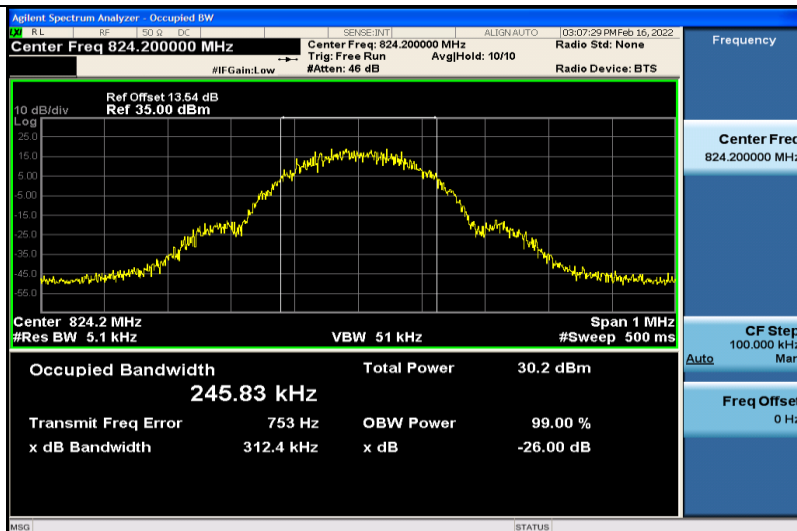


GPRS850-251

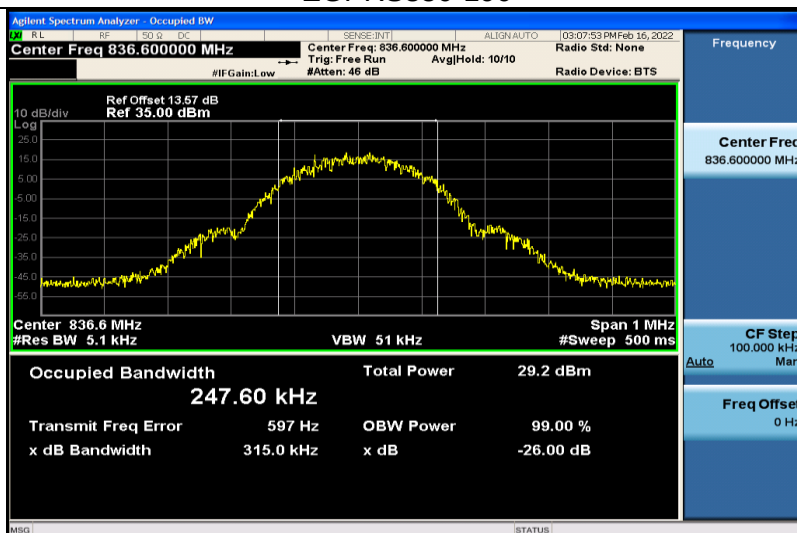




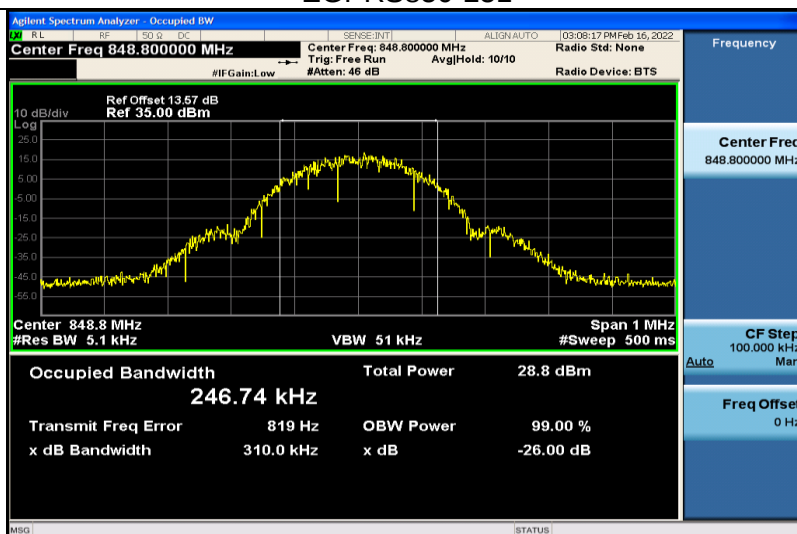
EGPRS850-128



EGPRS850-190



EGPRS850-251





Agilent Spectrum Analyzer - Occupied BW

Freq: 1.85 GHz Res BW: 5.1 kHz SENSE: INT1 ALIGN: AUTO 04:28:43 PM Feb 16, 2022
 Center Freq: 1.850200000 GHz Radio Std: None Frequency

#IF Gain: Low #Atten: 46 dB Avg/Hold: 10/10 Radio Device: BTS

10 dB/div Ref 35.00 dBm
 Log
 Center 1.85 GHz Span 1 MHz
 #Res BW 5.1 kHz VBW 51 kHz #Sweep 500 ms

Occupied Bandwidth	Total Power	21.9 dBm
245.76 kHz		
Transmit Freq Error	OBW Power	99.00 %
658 Hz		
x dB Bandwidth	x dB	-26.00 dB
312.6 kHz		

MSB STATUS

Agilent Spectrum Analyzer - Occupied BW

FREQ: 1.88 GHz | REF: 150 dB | SENSE: INT | ALIGN: AUTO | 04:29:05 PM Feb 16, 2022
Center Freq 1.880000000 GHz | Center Freq: 1.880000000 GHz | Radio Std: None
 #IF Gain: Low | Trig: Free Run | Avg/Hold: 10/10 | #Atten: 46 dB | Radio Device: BTS

10 dB/div | Ref 35.00 dBm

Center 1.88 GHz | Span 1 MHz
 #Res BW 5.1 kHz | VBW 51 kHz | #Sweep 500 ms

Occupied Bandwidth	Total Power	22.6 dBm
243.86 kHz		
Transmit Freq Error	925 Hz	OBW Power
x dB Bandwidth	309.7 kHz	x dB
		99.00 %
		-26.00 dB

Frequency
 Center Freq
 1.880000000 GHz
 CF Step
 100.000 kHz
 Mar
 Freq Offset
 0 Hz

MSO | STATUS

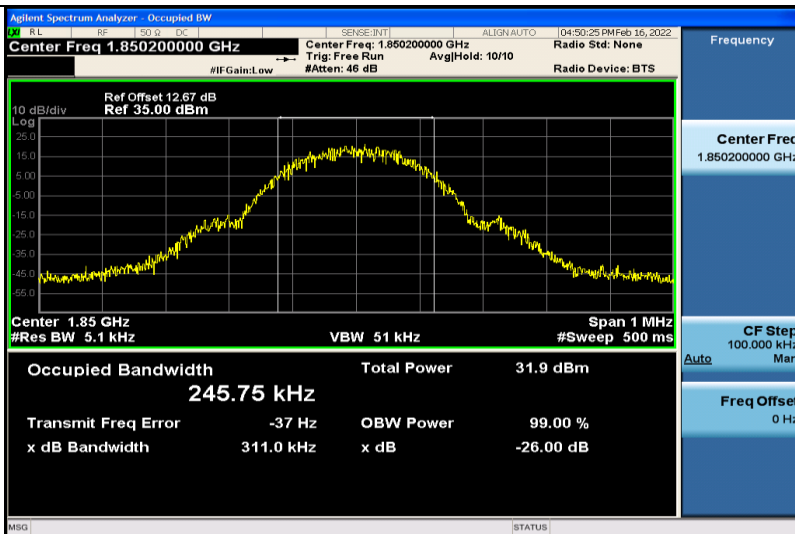
Agilent Spectrum Analyzer - Occupied BW

REF: 150.0 Hz
 Center Freq: 1.909800000 GHz
 Span: 1 MHz
 Res BW: 5.1 kHz
 Sweep: 500 ms
 IF Gain: Low
 Att: 46 dB
 VBW: 51 kHz
 Occupied Bandwidth: 243.05 kHz
 Total Power: 21.0 dBm
 Transmit Freq Error: 295 Hz
 OBW Power: 99.00 %
 x dB Bandwidth: 314.2 kHz
 x dB: -26.00 dB

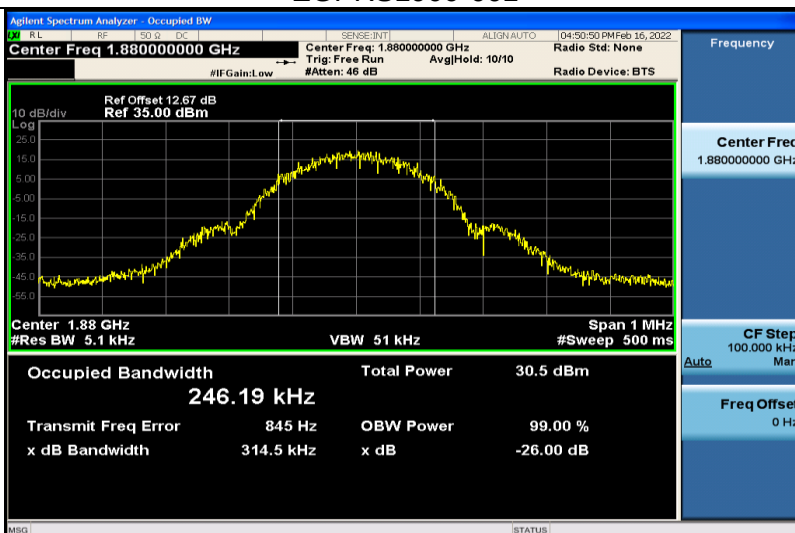
Frequency: 1.909800000 GHz
 Center Freq: 1.909800000 GHz
 Radio Std: None
 Radio Device: BTS
 CF Step: 100.000 kHz
 Auto: Mar
 Freq Offset: 0 Hz



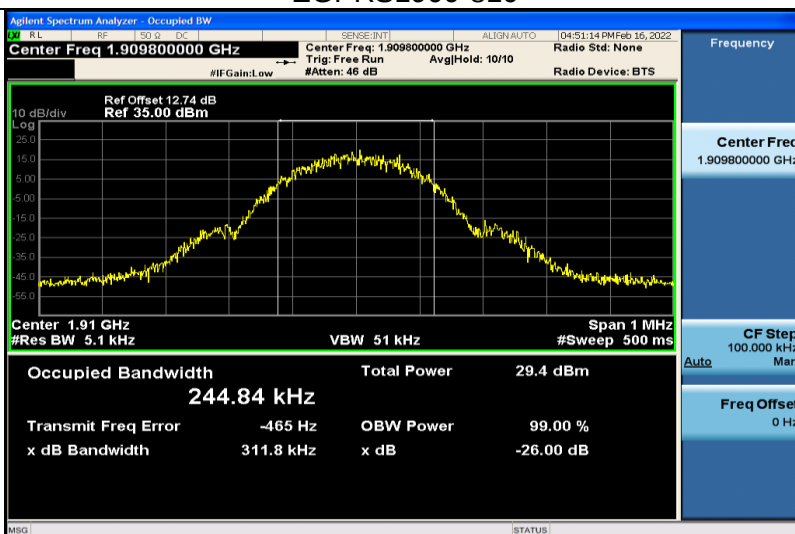
EGPRS1900-512



EGPRS1900-661

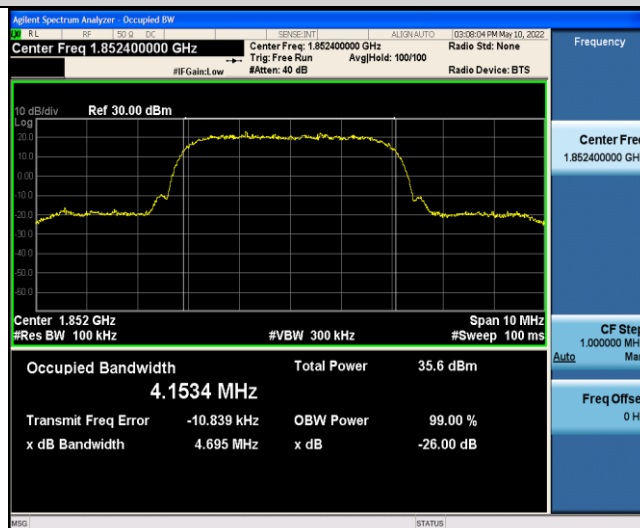


EGPRS1900-810

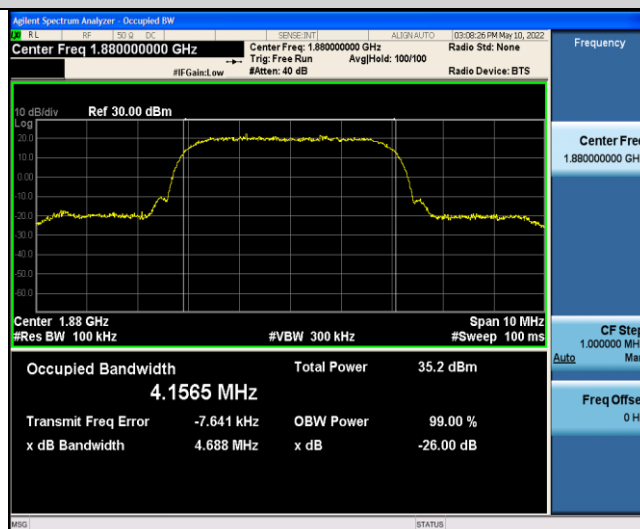




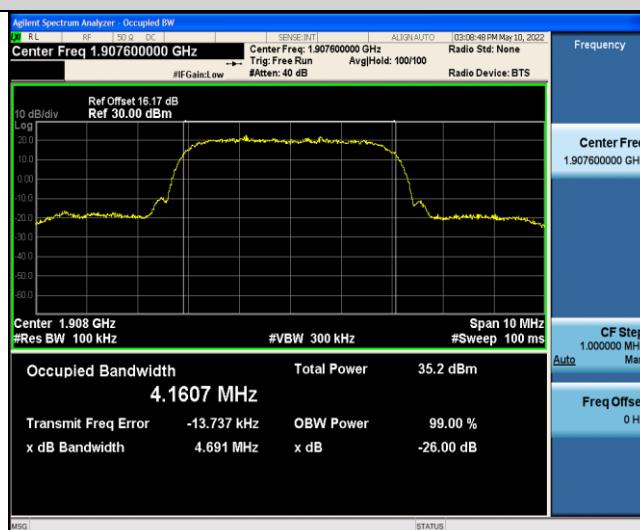
Band2-9262-4.695



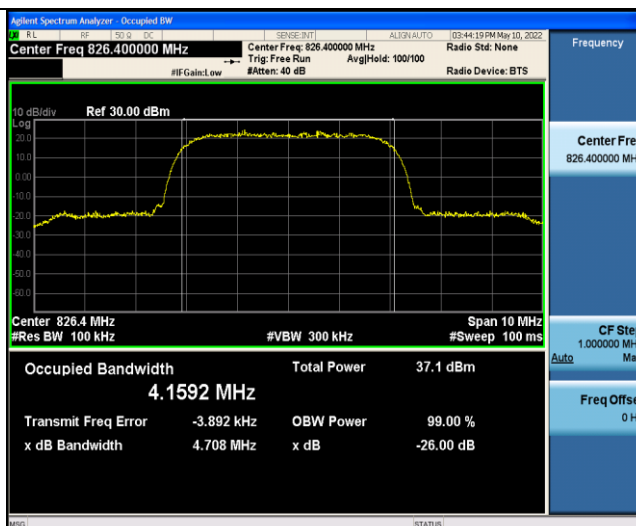
Band2-9400-4.688



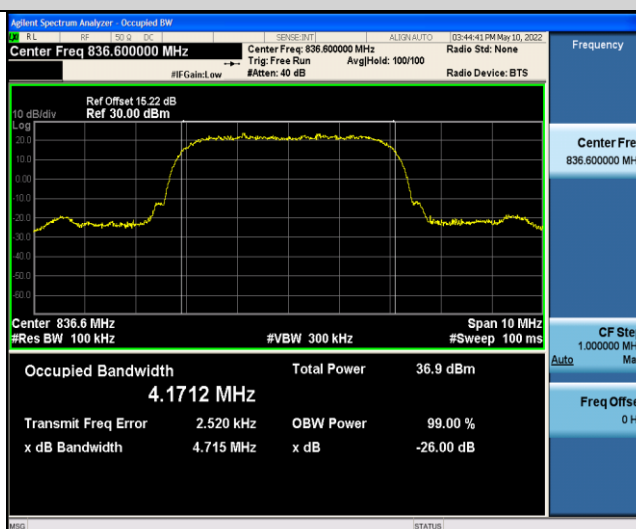
Band2-9538-4.691



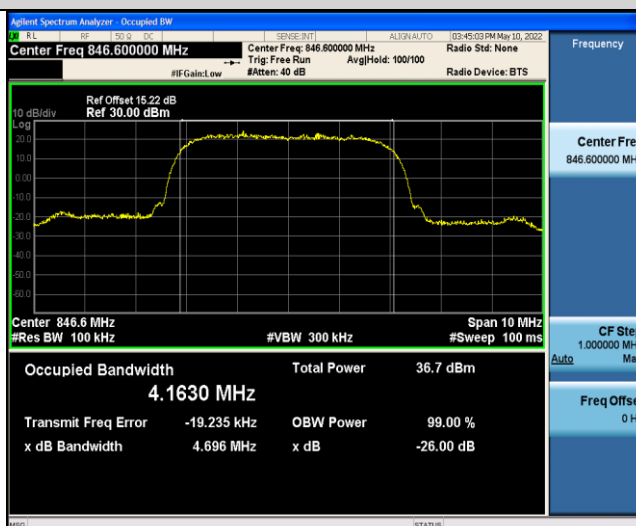
Band5-4132-4.708



Band5-4183-4.715



Band5-4233-4.696



Band2-9262-1-4.693