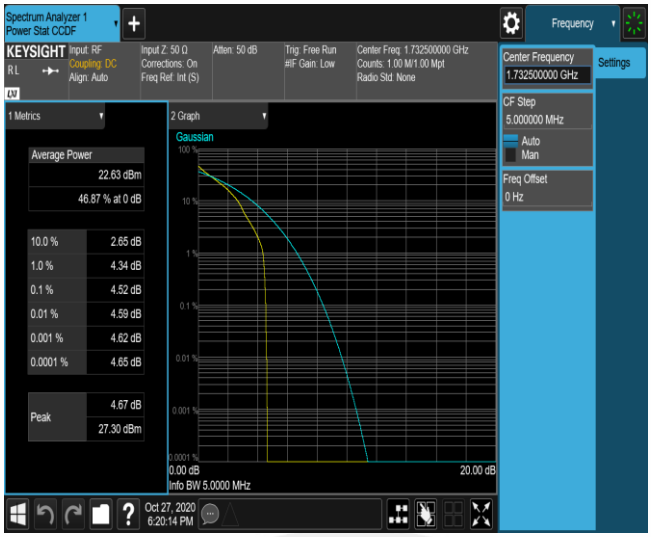
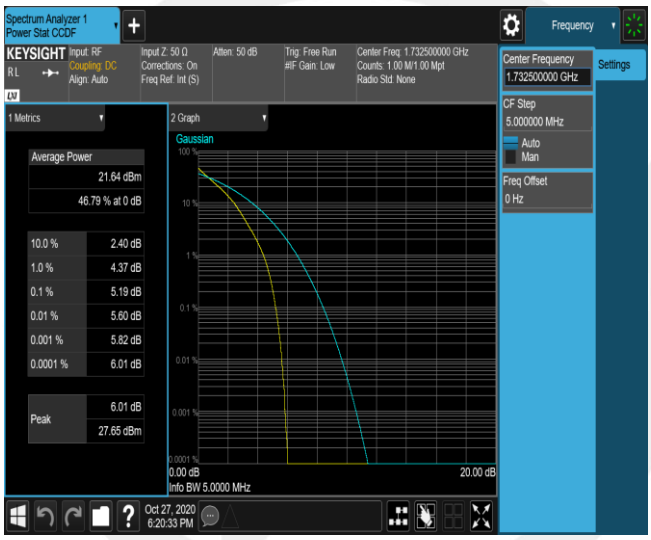
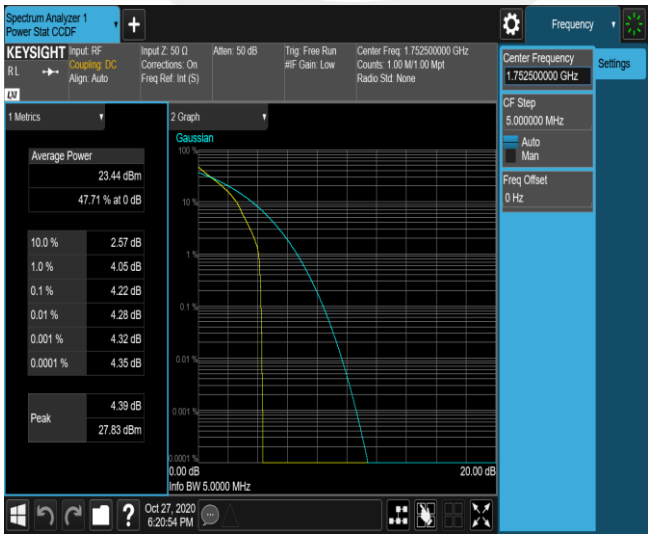


Band4-5MHz-QPSK-20175-25RB#0

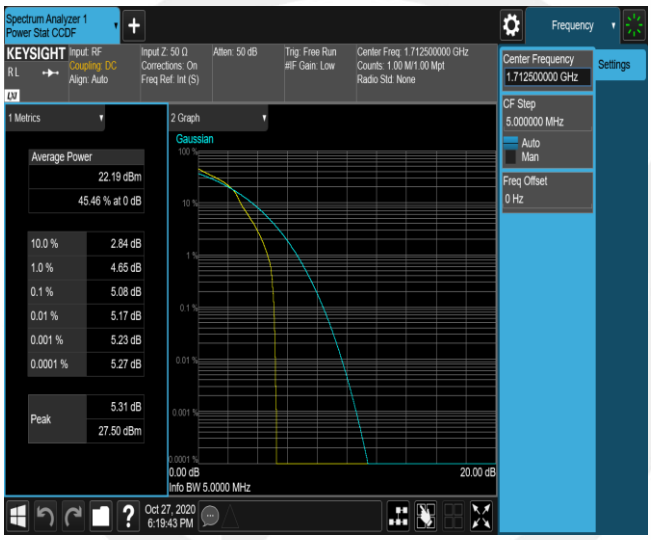


Band4-5MHz-QPSK-20375-1RB#0



Band4-5MHz-QPSK-20375-25RB#0

Band4-5MHz-16QAM-19975-1RB#0



Band4-5MHz-16QAM-19975-25RB#0

Band4-5MHz-16QAM-20175-1RB#0

Band4-5MHz-16QAM-20175-25RB#0

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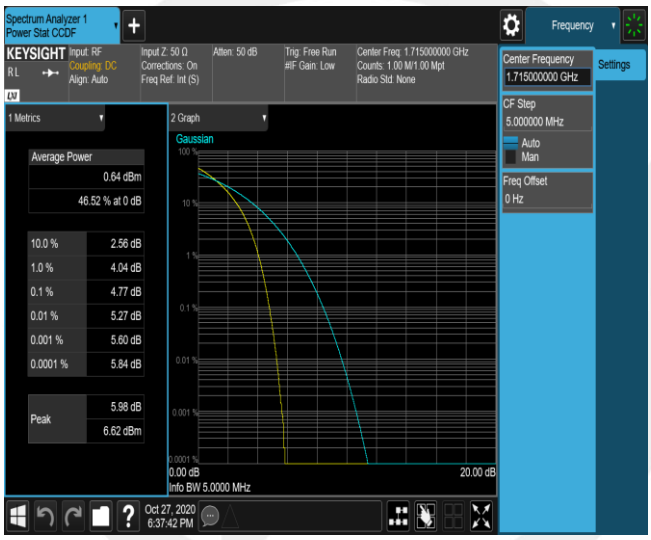
Band4-5MHz-16QAM-20375-25RB#0

Band4-10MHz-QPSK-20000-1RB#0



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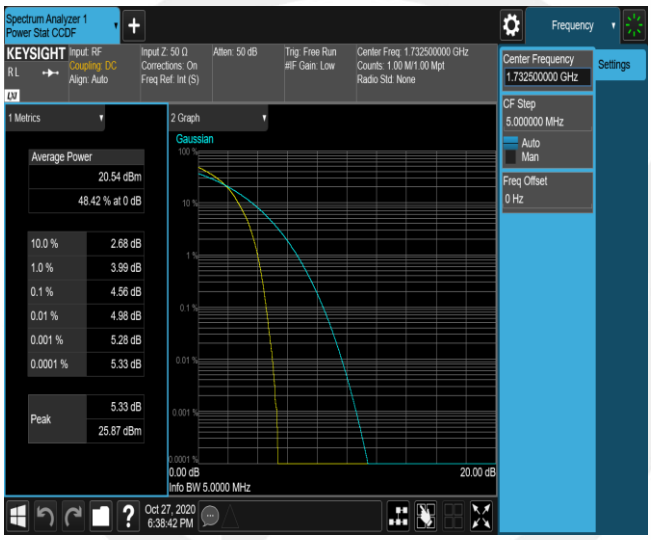

Band4-10MHz-QPSK-20350-1RB#0

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Band4-10MHz-16QAM-20000-1RB#0

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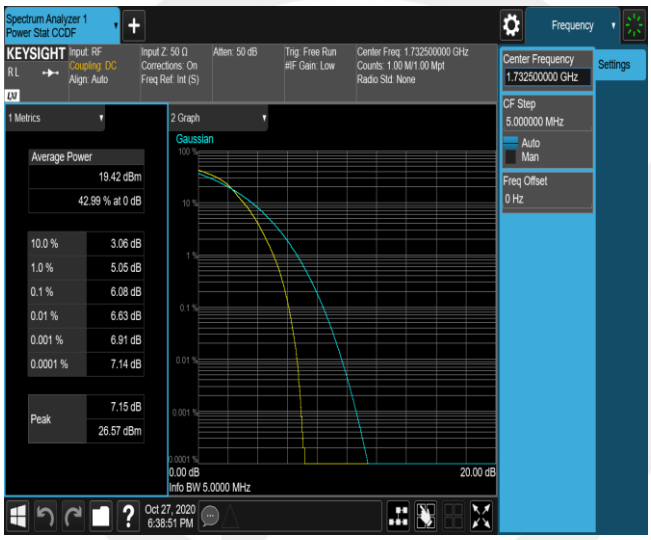
Band4-10MHz-16QAM-20175-1RB#0

Band4-10MHz-16QAM-20175-50RB#0



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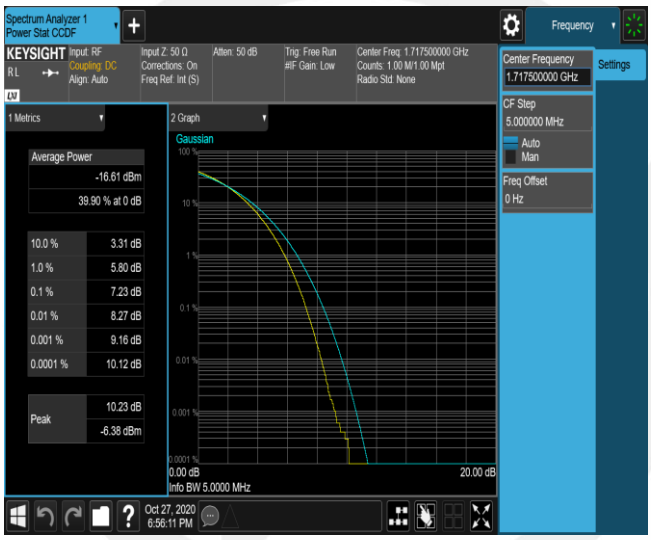

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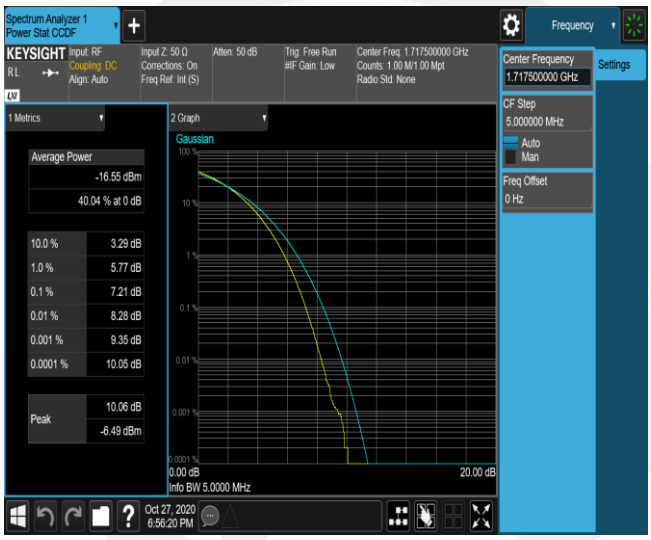
Band4-15MHz-16QAM-20025-1RB#0



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Band4-15MHz-16QAM-20175-75RB#0

Band4-15MHz-16QAM-20325-1RB#0

Band4-15MHz-16QAM-20325-75RB#0

Band4-20MHz-QPSK-20050-1RB#0

Band4-20MHz-QPSK-20050-100RB#0

Band4-20MHz-QPSK-20175-1RB#0

Band4-20MHz-QPSK-20175-100RB#0

Band4-20MHz-QPSK-20300-1RB#0

Band4-20MHz-QPSK-20300-100RB#0

Band4-20MHz-16QAM-20050-1RB#0

Band4-20MHz-16QAM-20050-100RB#0

Band4-20MHz-16QAM-20175-1RB#0

Band4-20MHz-16QAM-20175-100RB#0

Band4-20MHz-16QAM-20300-1RB#0

Band4-20MHz-16QAM-20300-100RB#0

Spectrum Analyzer 1
Power Stat CCDF
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: On
Freq Ref: Int (S)
Atten: 50 dB
Trig: Free Run
#IF Gain: Low
Center Freq: 1.745000000 GHz
Counts: 1.00 M/1.00 Mpt
Radio Std: None
Frequency
Center Frequency
1.745000000 GHz
Settings
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz
1 Metrics
Average Power
17.07 dBm
38.88 % at 0 dB
10.0 % 3.72 dB
1.0 % 5.83 dB
0.1 % 7.19 dB
0.01 % 8.06 dB
0.001 % 8.73 dB
0.0001 % 8.79 dB
Peak 8.83 dB
25.90 dBm
2 Graph
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.00 dB
20.00 dB
Info BW 5.0000 MHz
Oct 27, 2020
7:20:16 PM

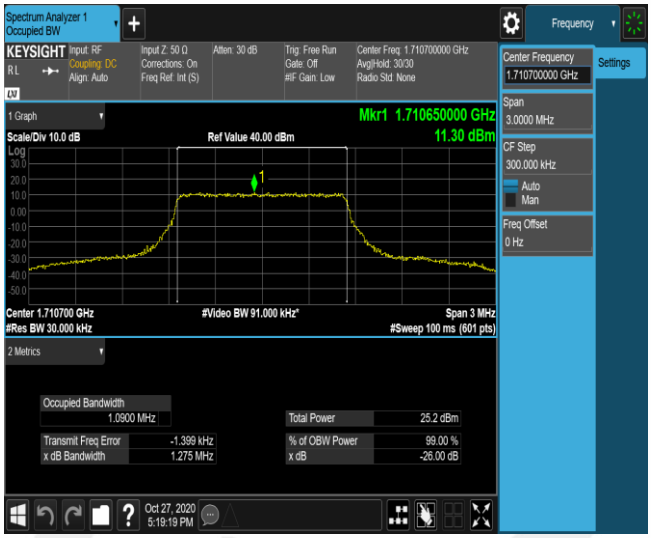
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0900	1.275	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0910	1.256	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0928	1.265	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0924	1.260	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0910	1.263	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0918	1.246	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6932	2.930	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6966	2.898	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6996	2.907	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6924	2.903	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6992	2.888	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6933	2.905	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5009	4.892	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5060	4.896	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4967	4.918	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4982	4.912	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5051	4.894	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5041	4.870	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9585	9.540	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9614	9.530	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9607	9.554	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9676	9.514	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9607	9.513	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9544	9.514	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.434	14.27	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.417	14.25	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.442	14.23	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.440	14.26	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.409	14.23	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.431	14.26	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.925	18.99	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.894	18.94	PASS

Band4	20MHz	QPSK	20300	100RB#0	17.900	18.95	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.916	18.97	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.884	18.93	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.899	18.95	PASS

Test Graphs

Band4-1.4MHz-QPSK-19957-6RB#0-1.0900

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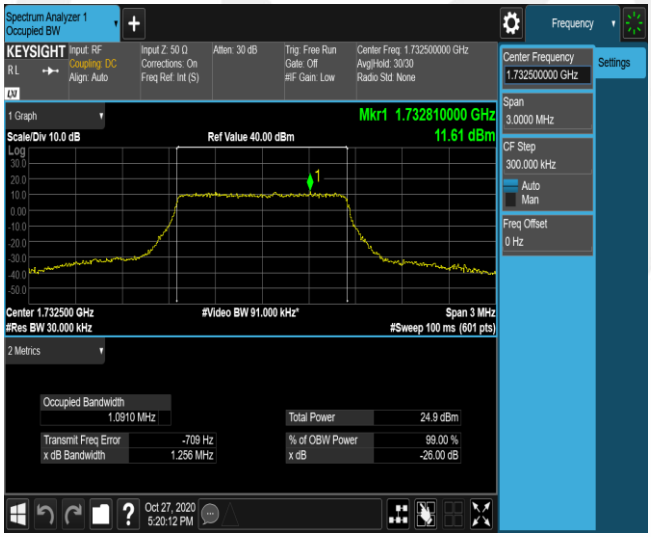
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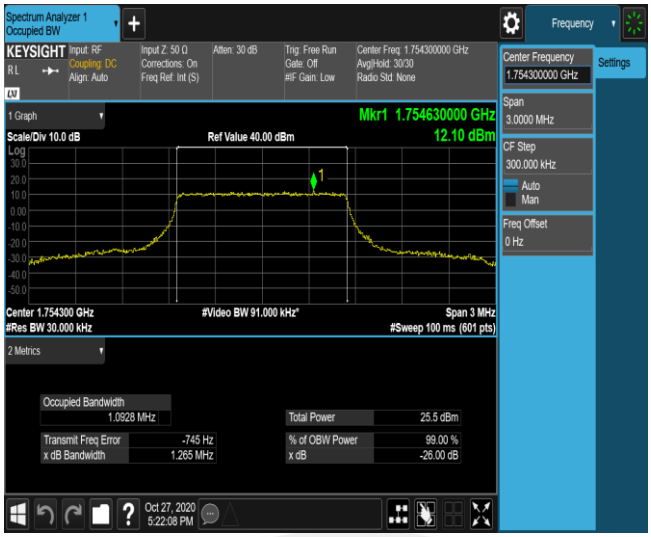

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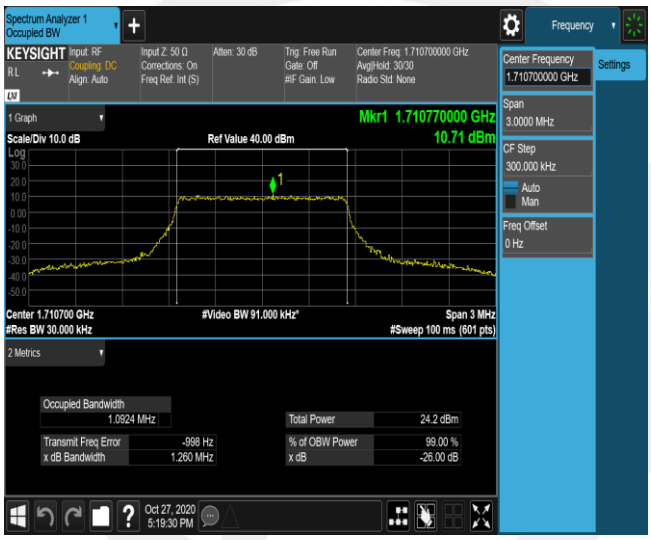
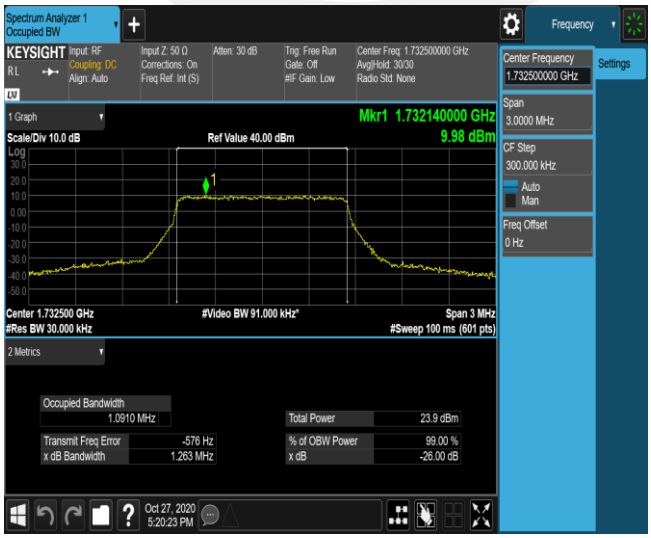


Band4-1.4MHz-16QAM-20175-6RB#0-1.0910



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