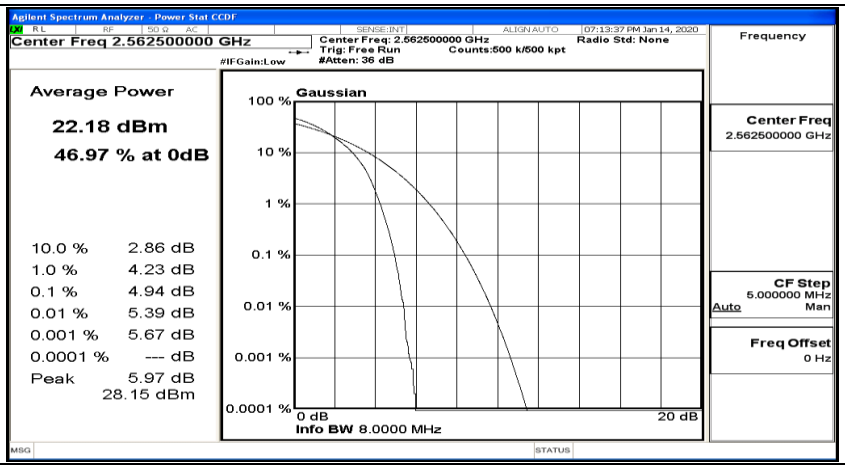
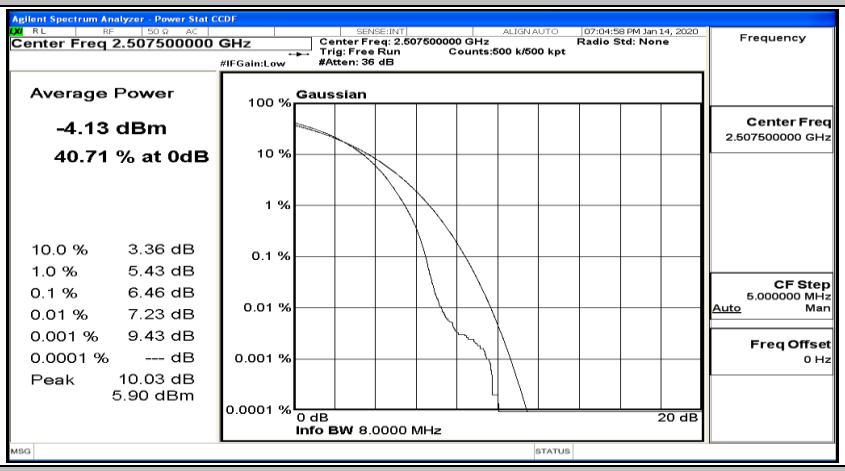


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



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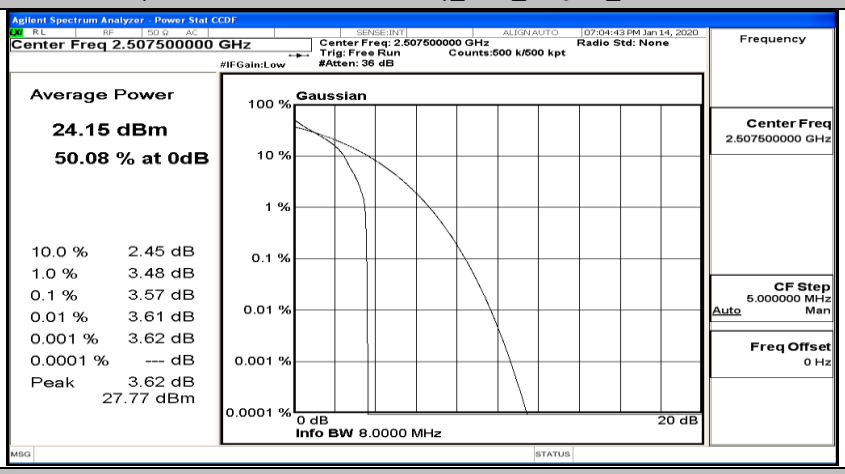

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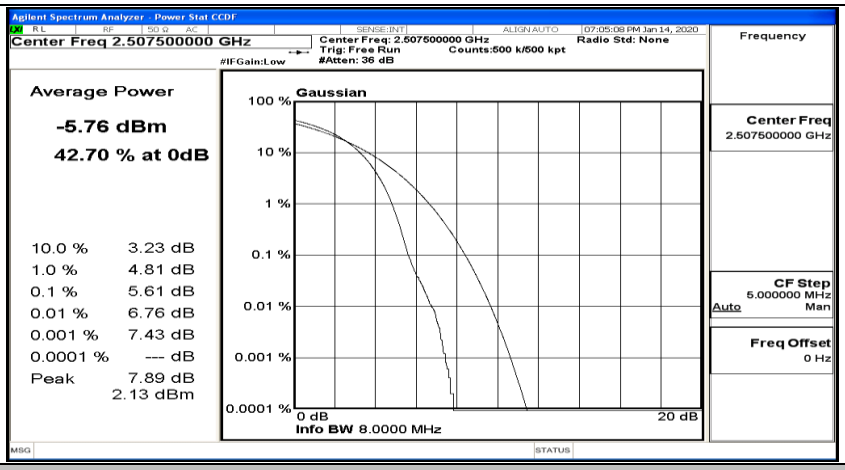

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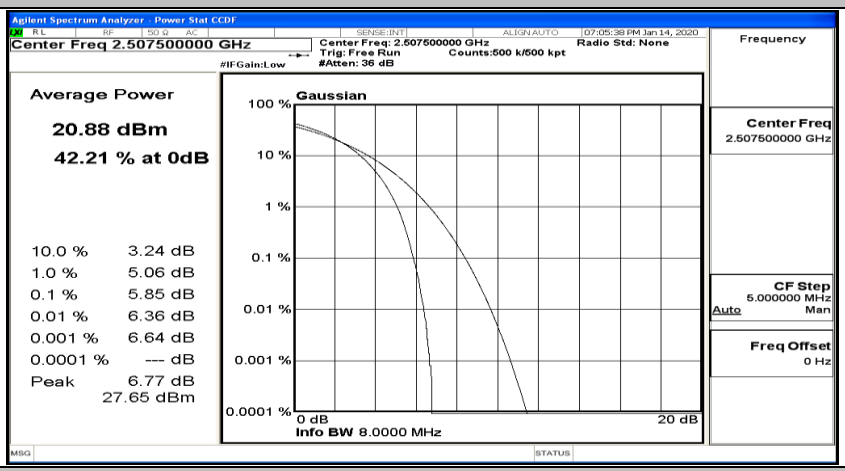

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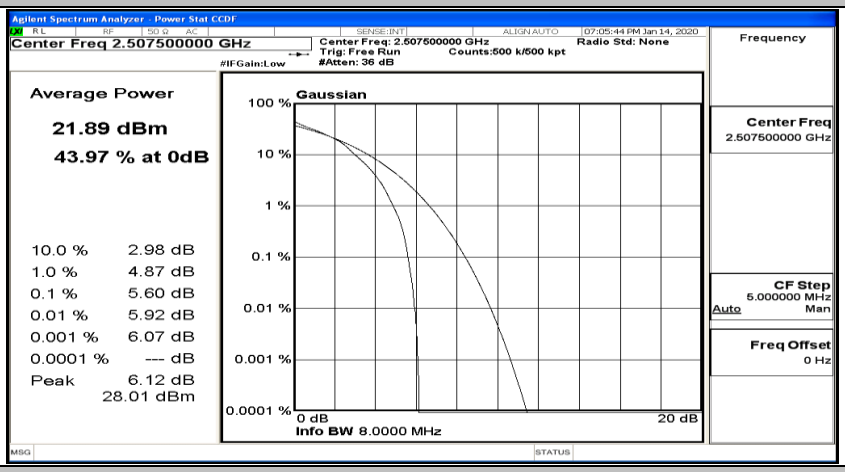

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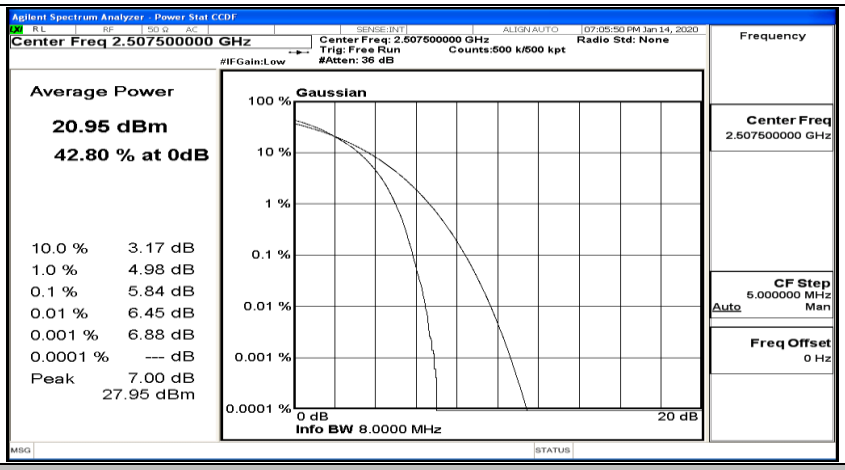

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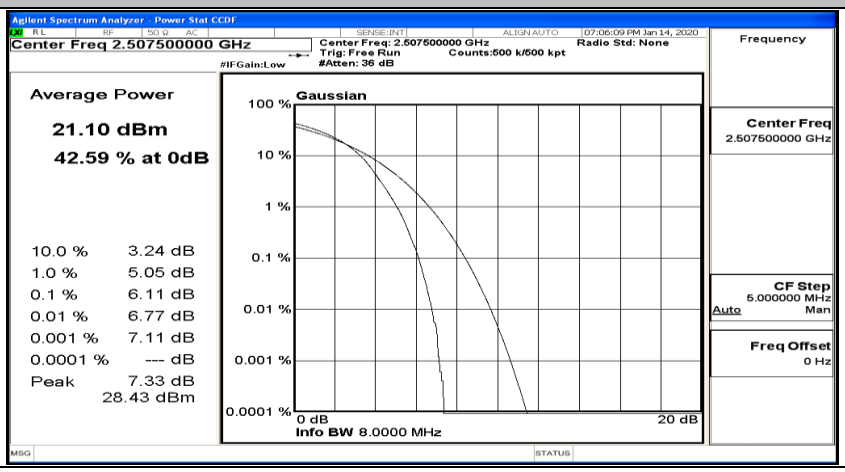

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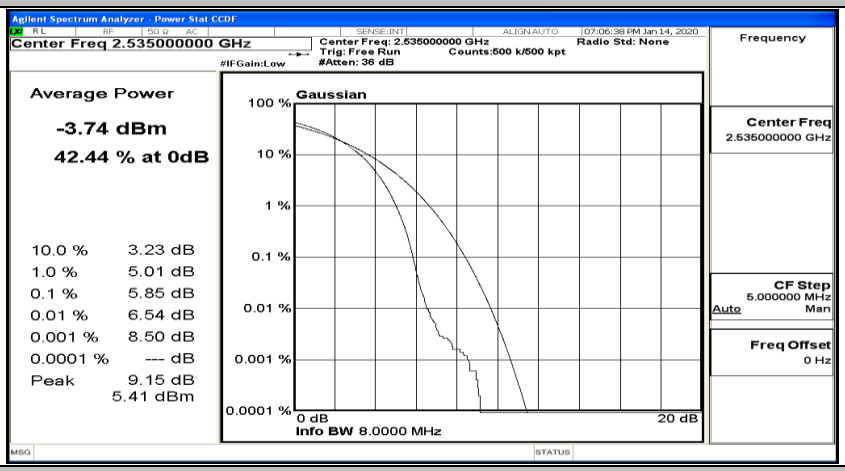

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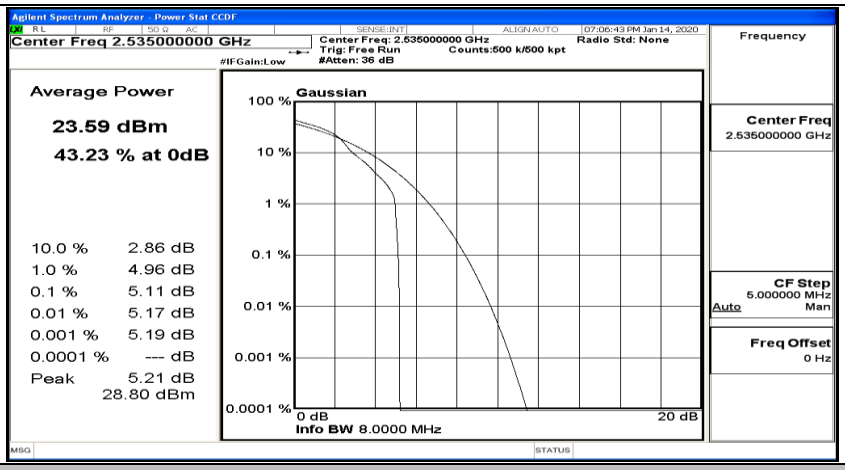

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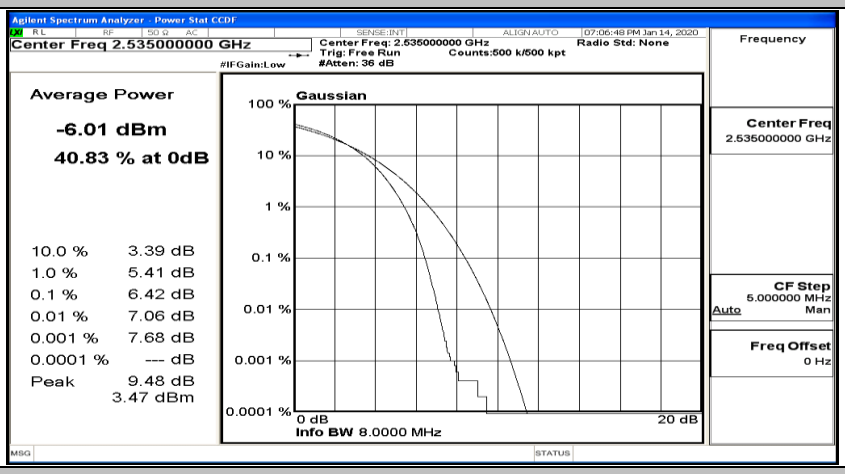

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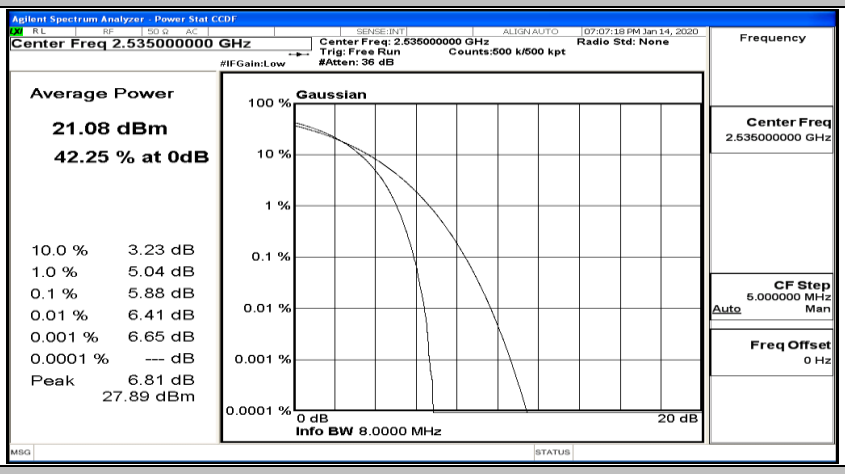

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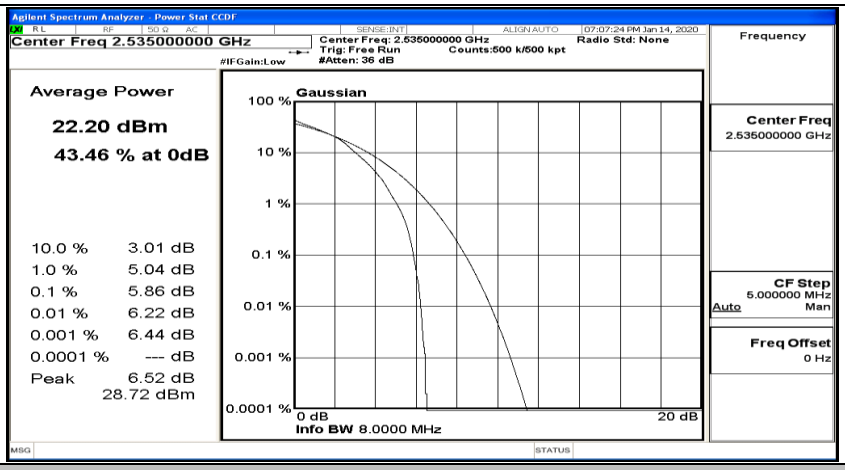

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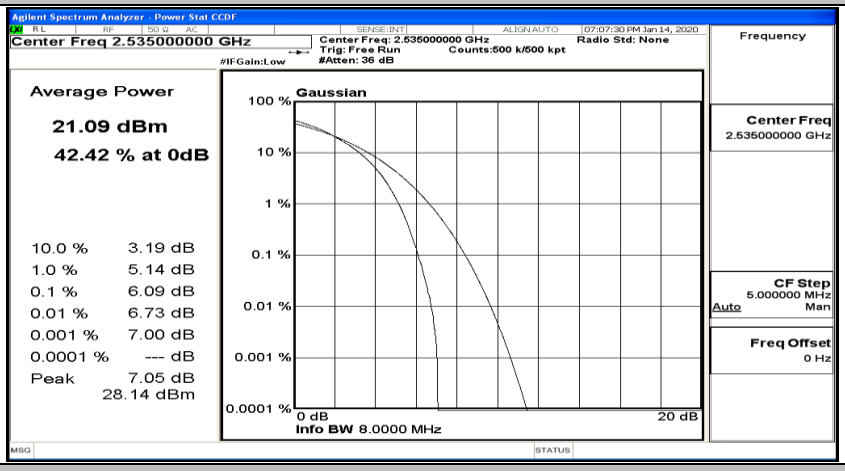

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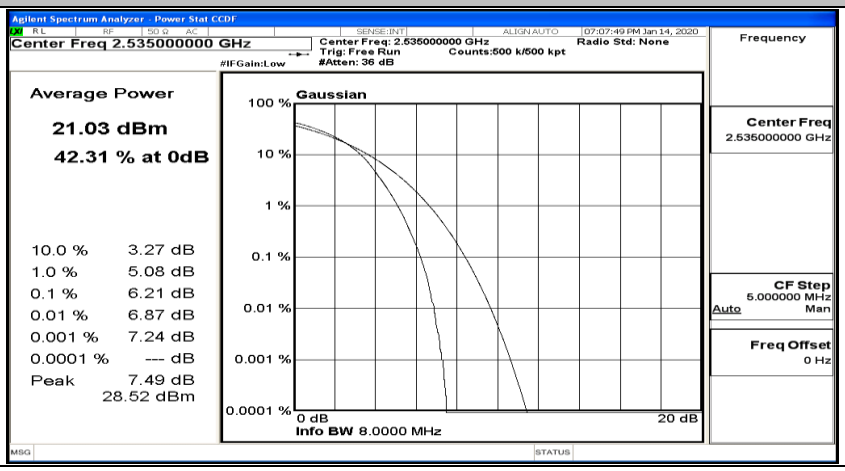
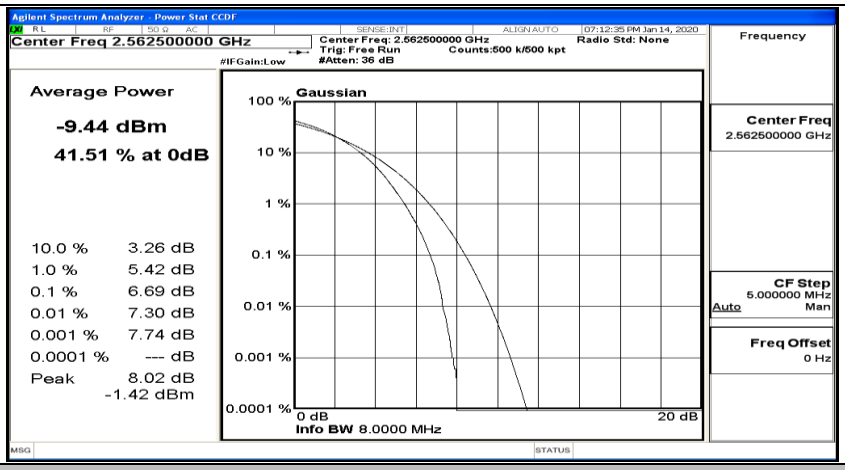


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



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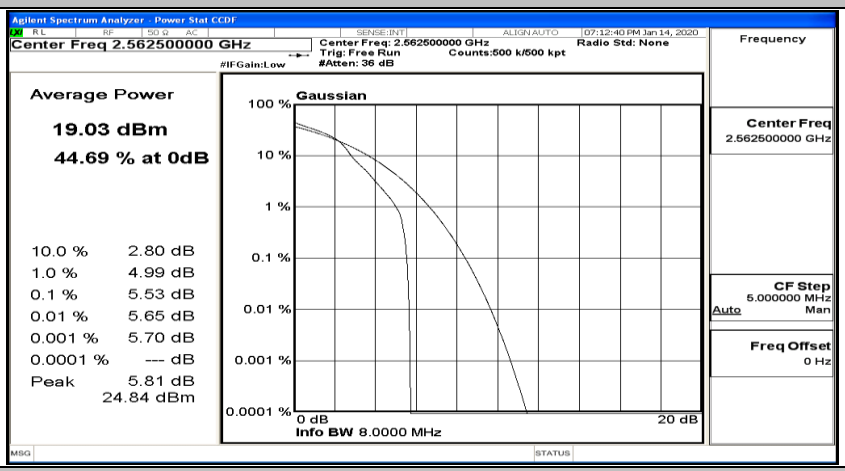
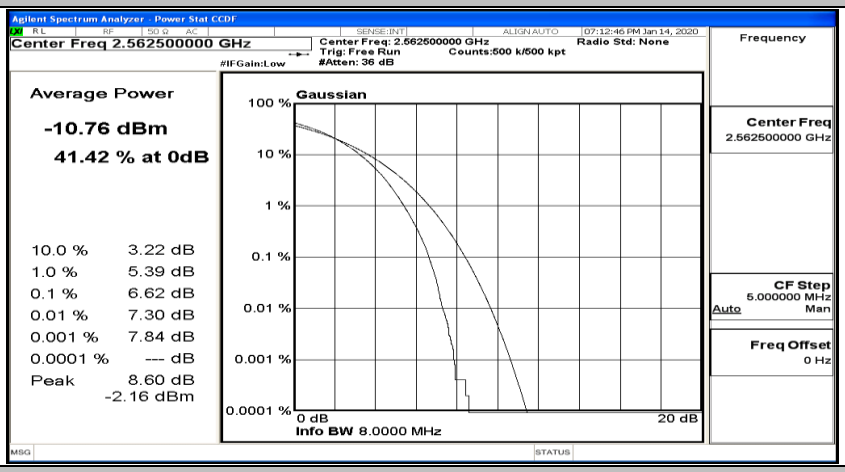


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74



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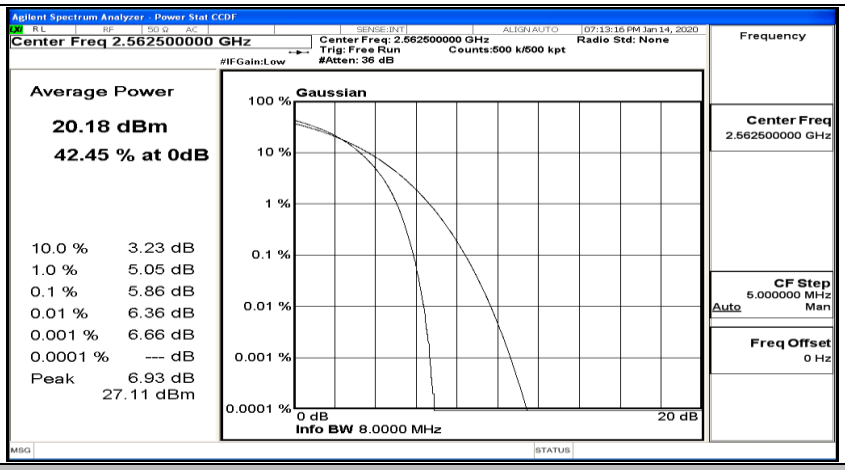

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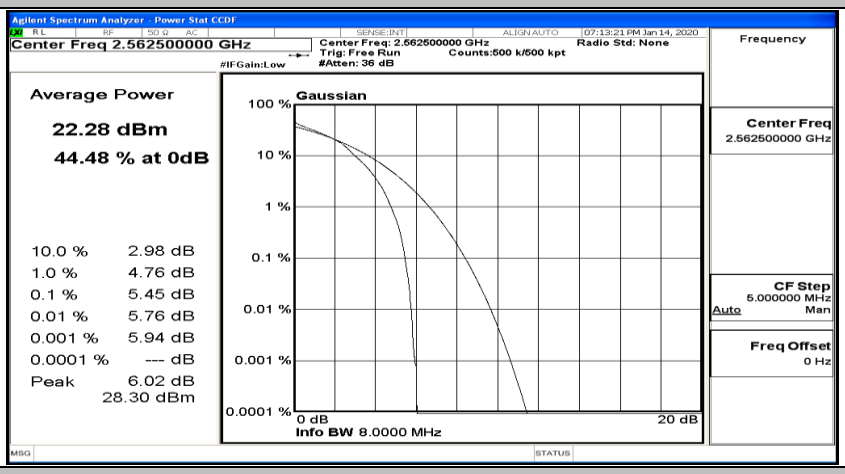

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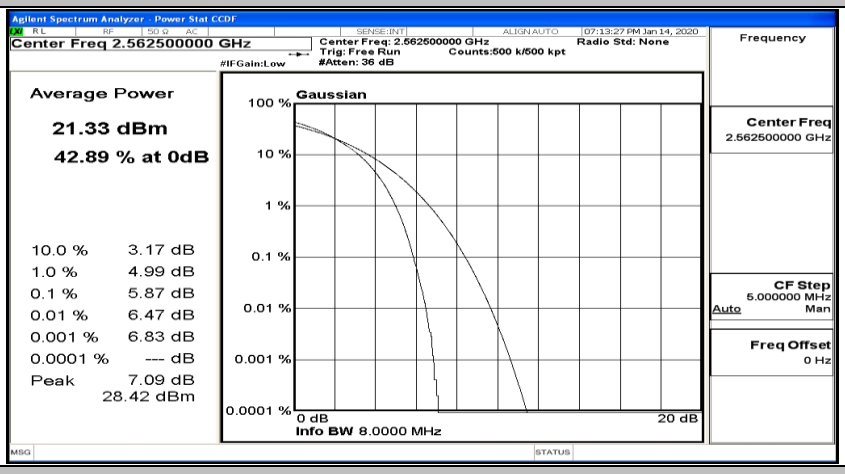
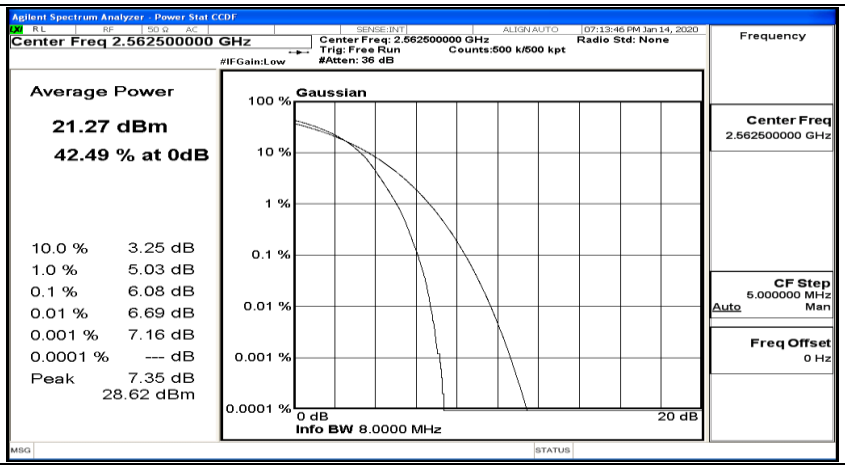
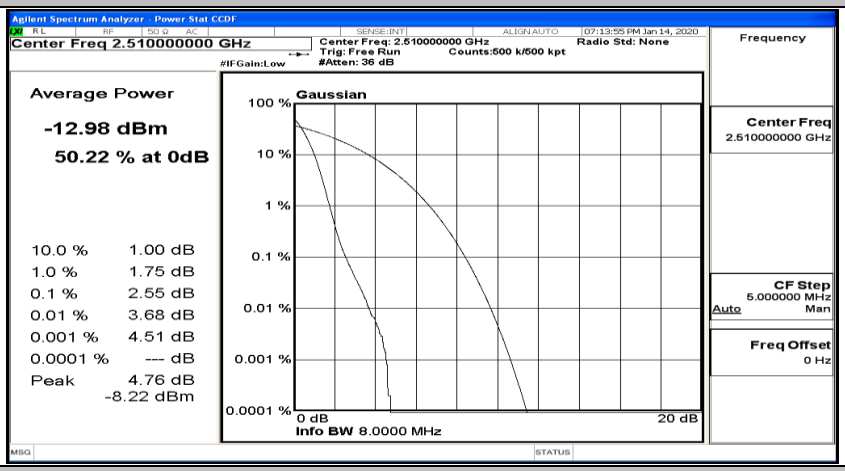


(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0

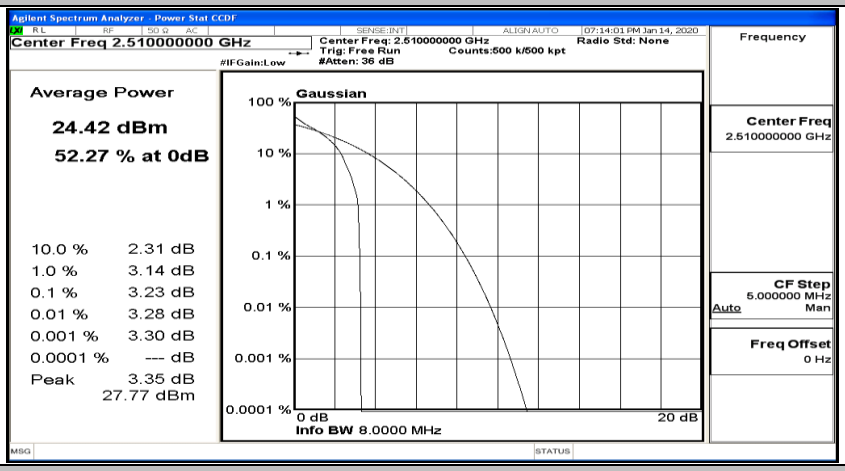


Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49



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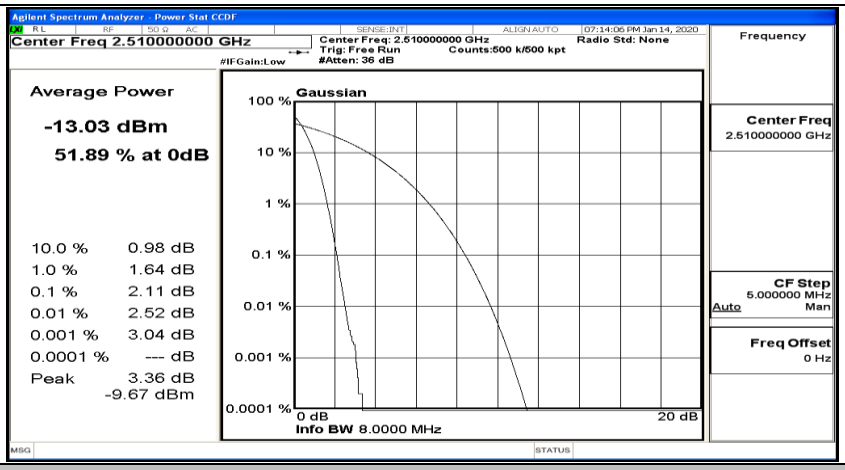

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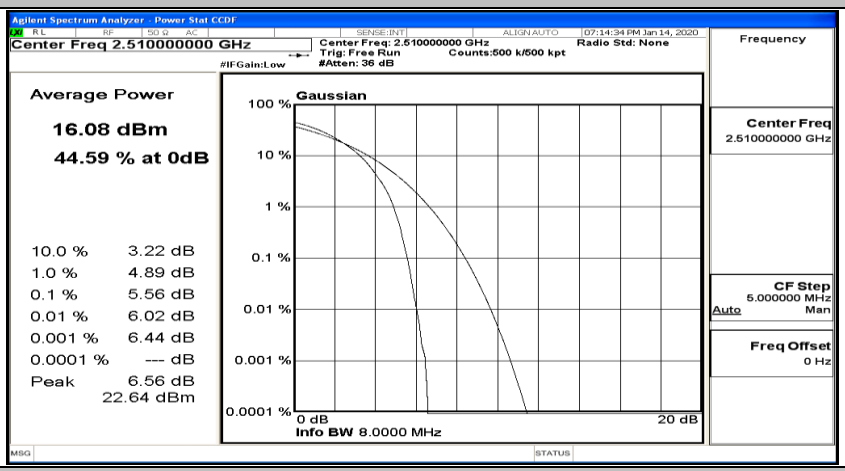

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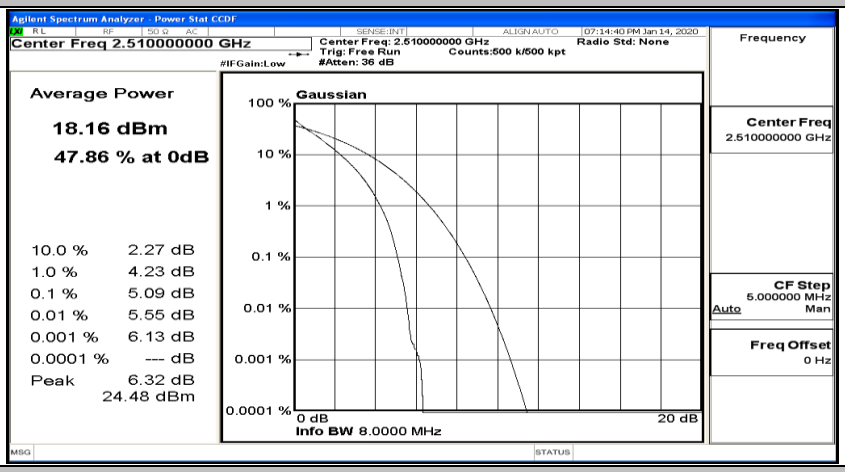

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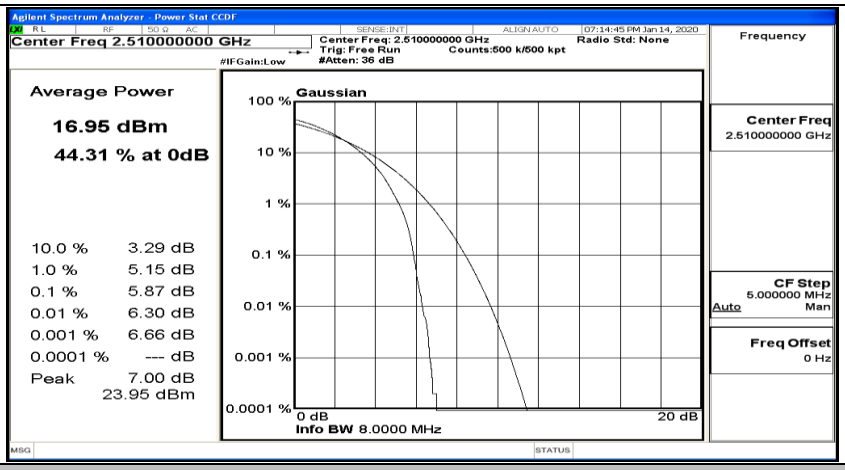

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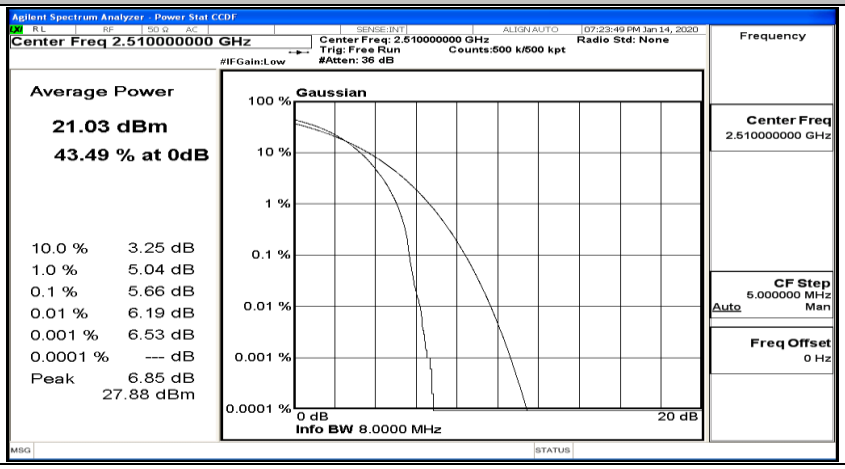

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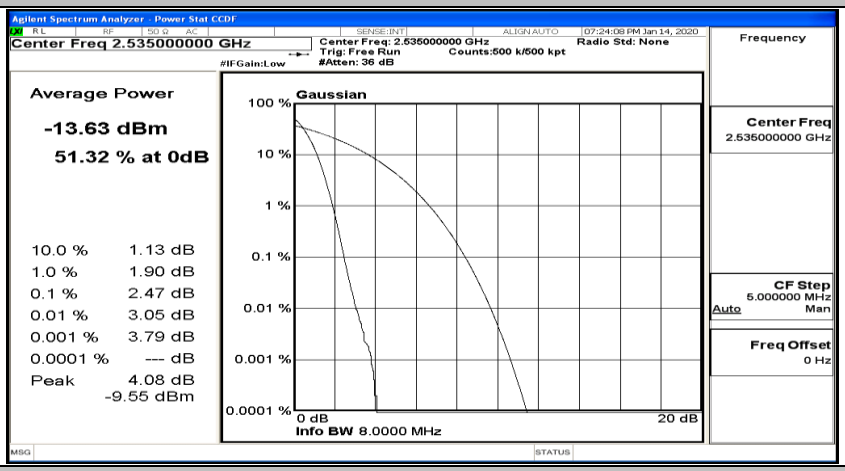

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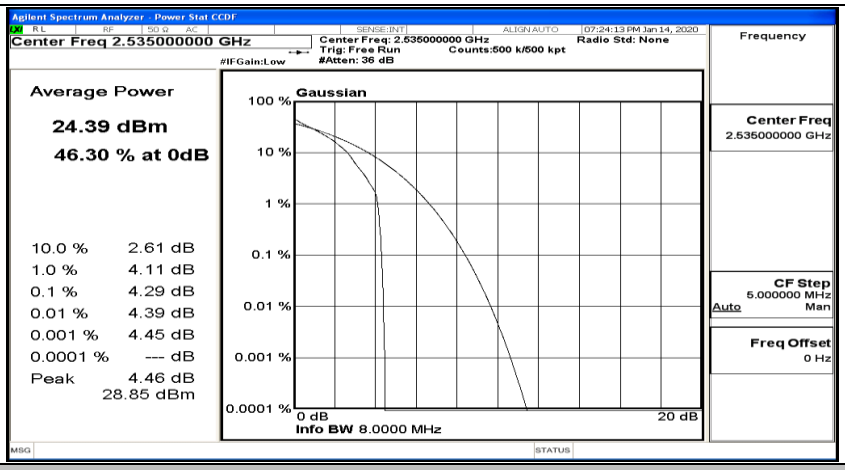

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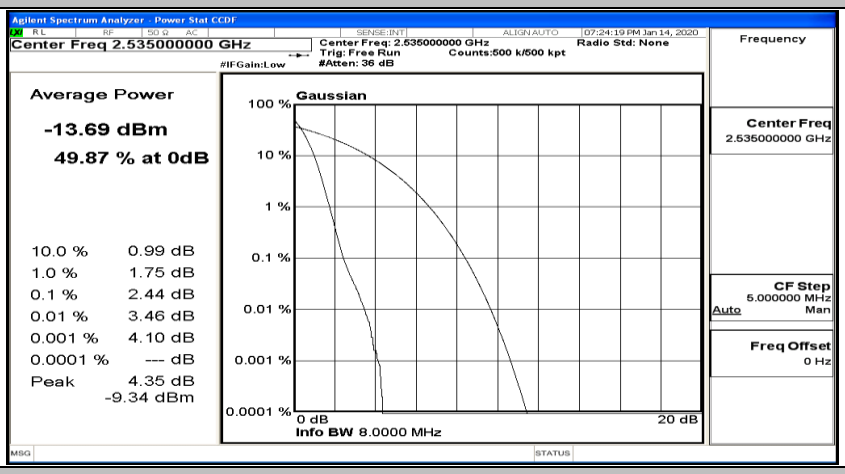

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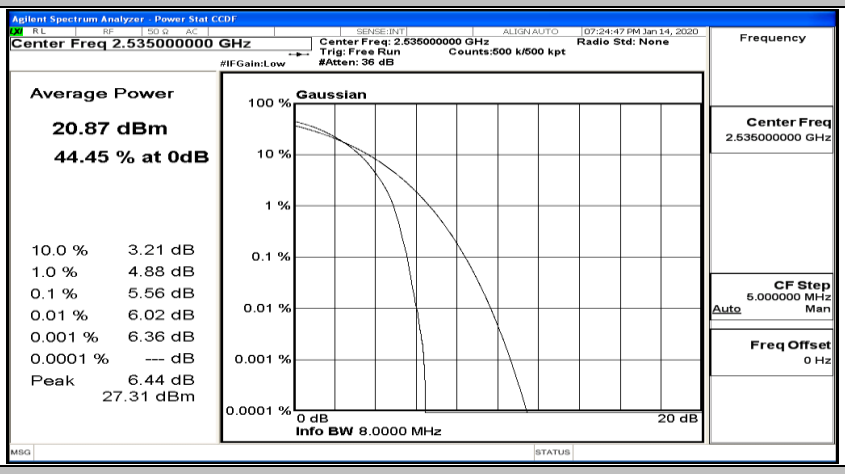

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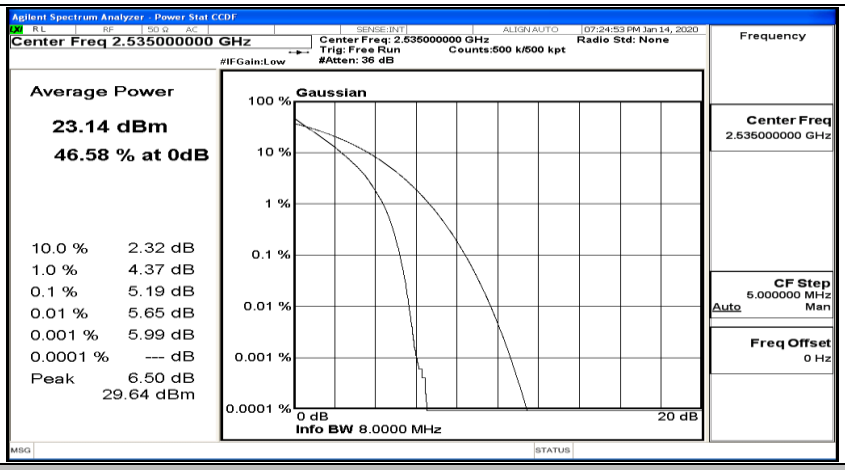

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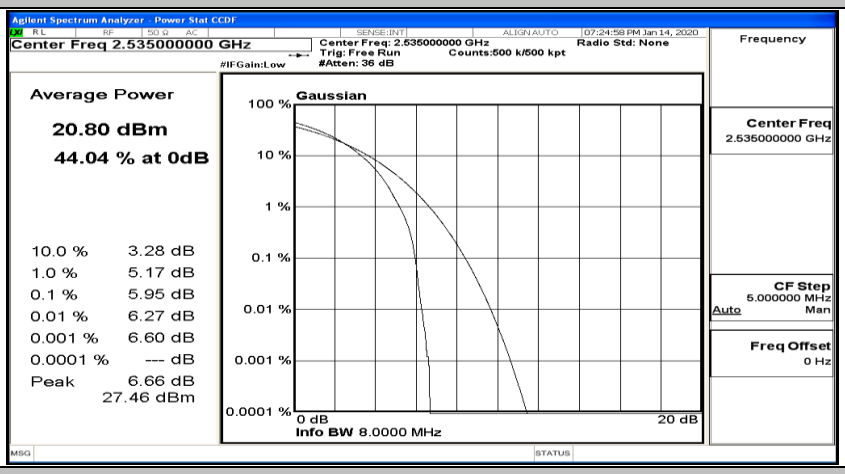

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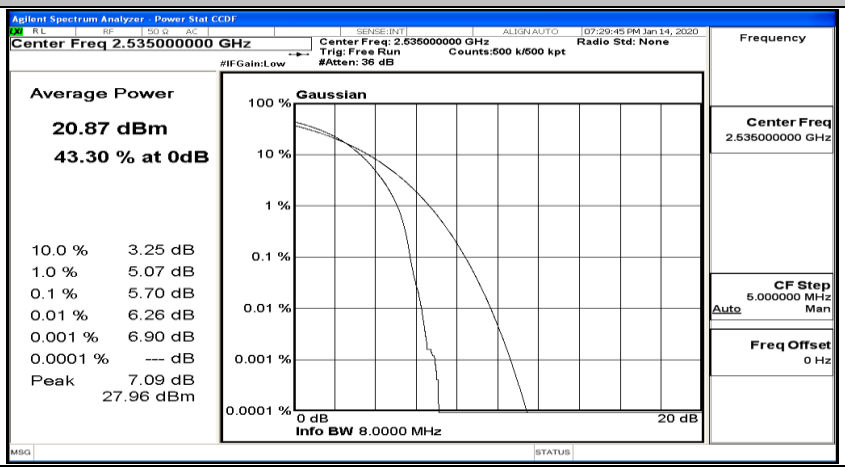

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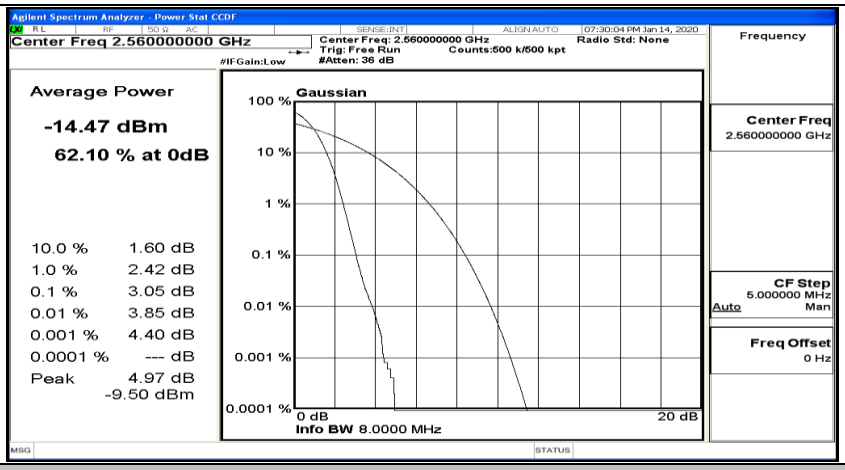

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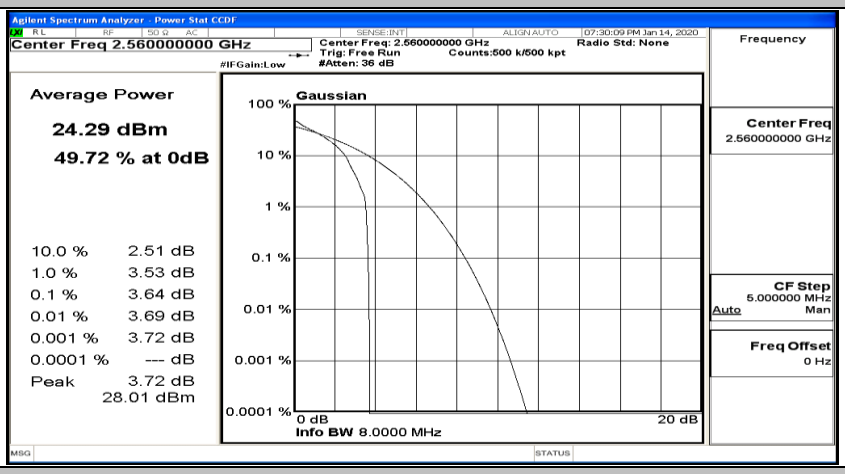

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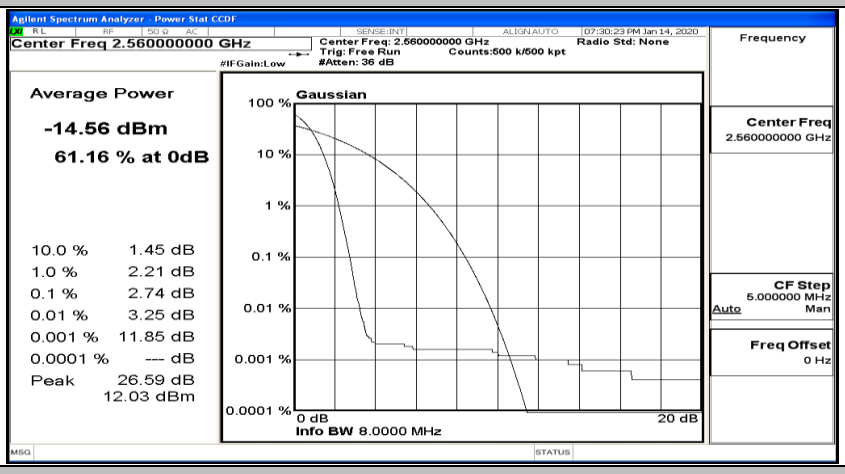

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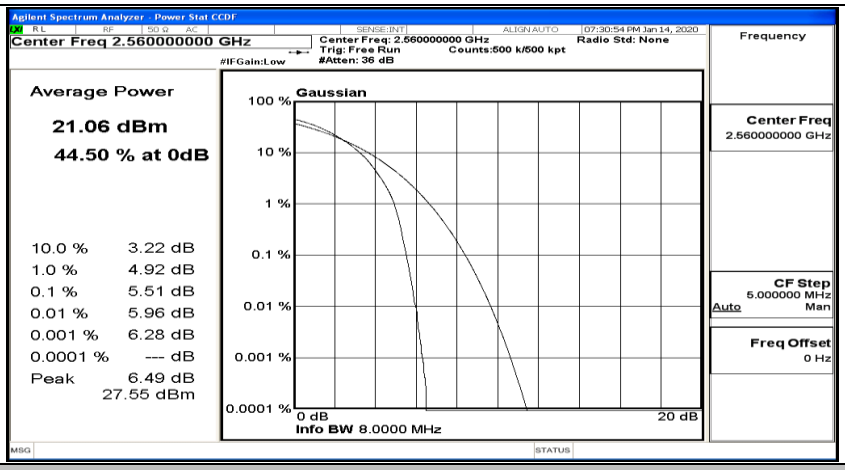
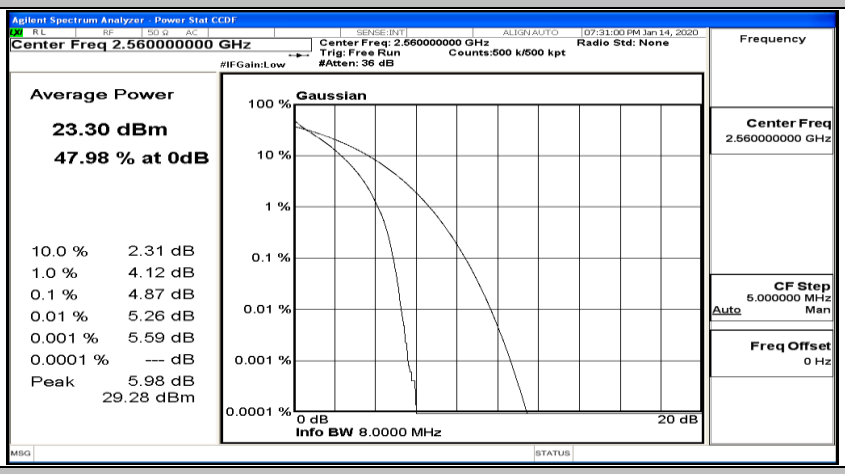
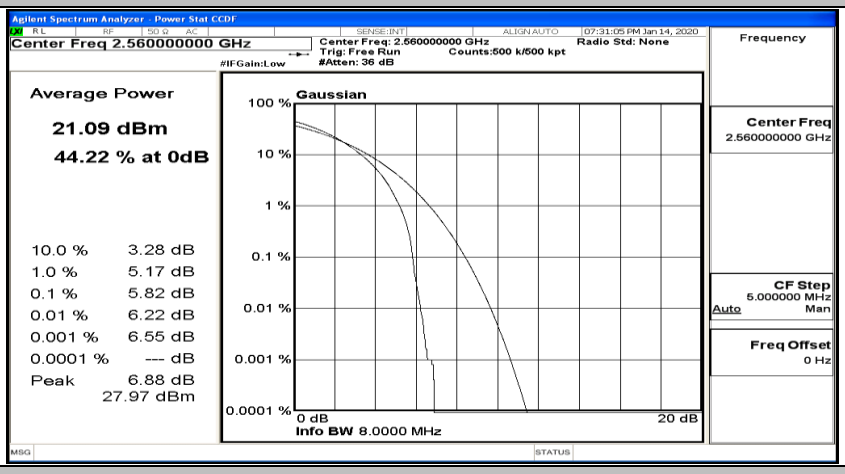


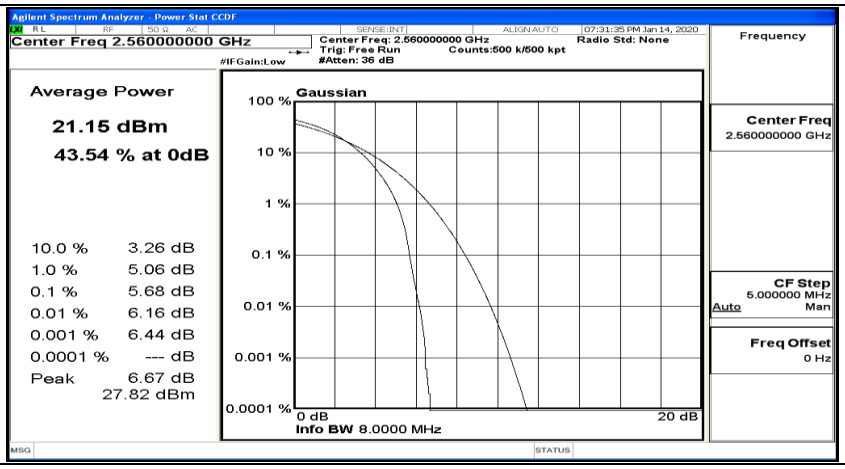
(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#25



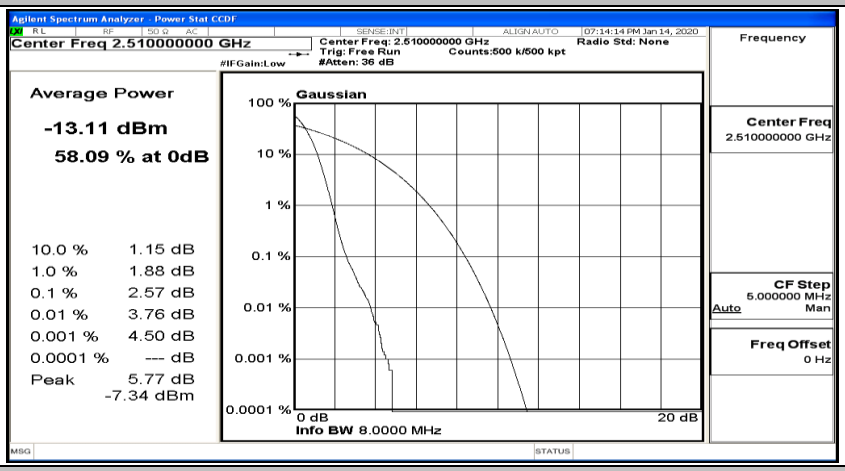
(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#50



(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0



(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0



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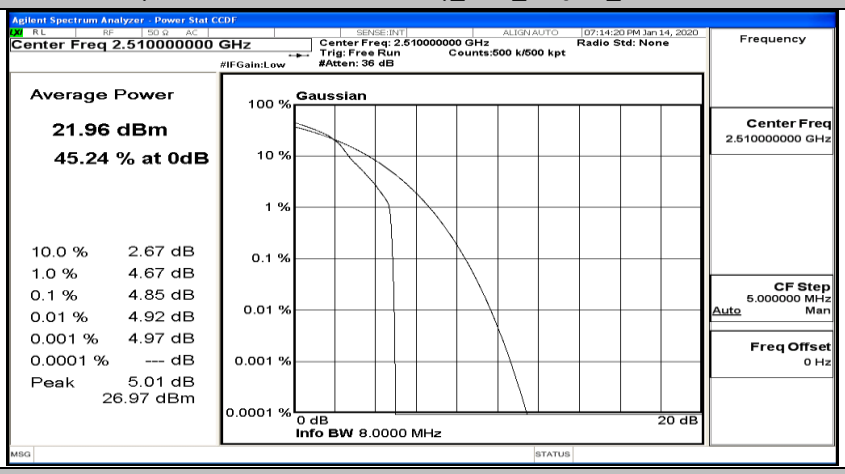

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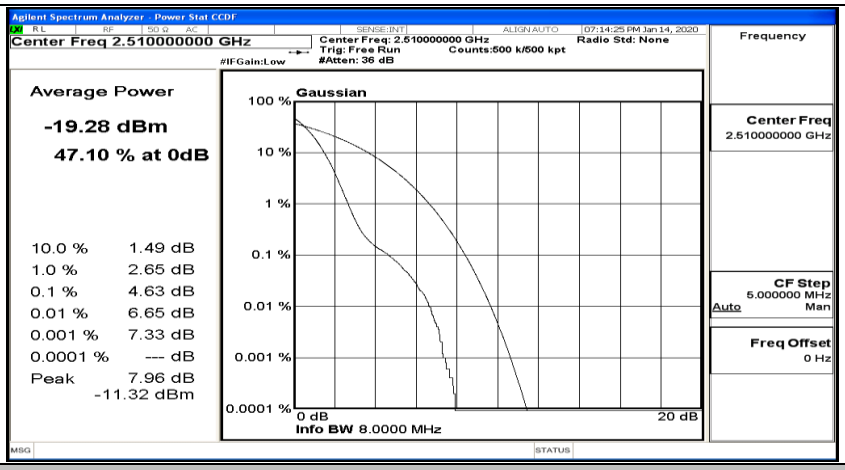
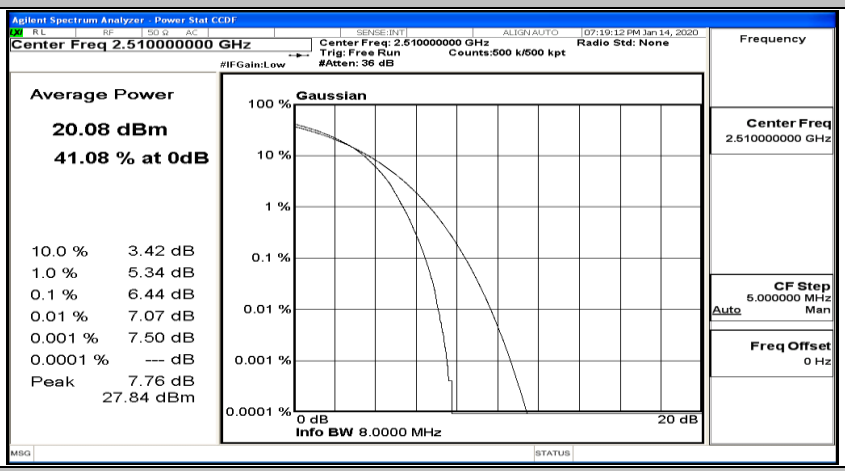
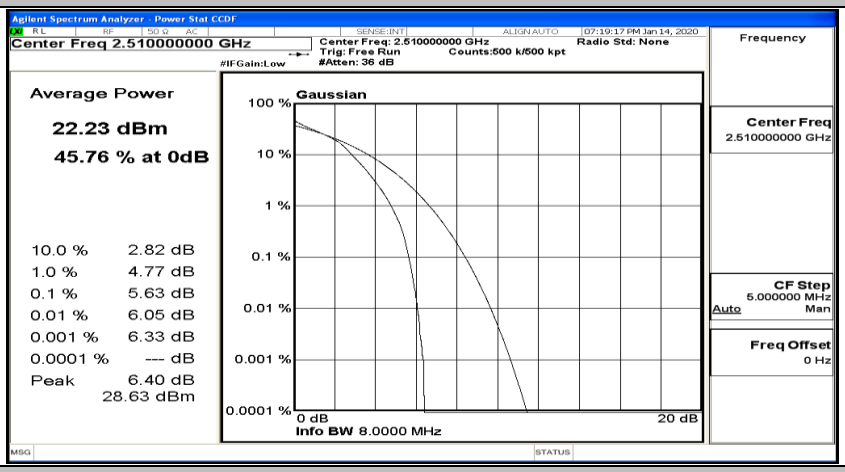


(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#0



(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#25



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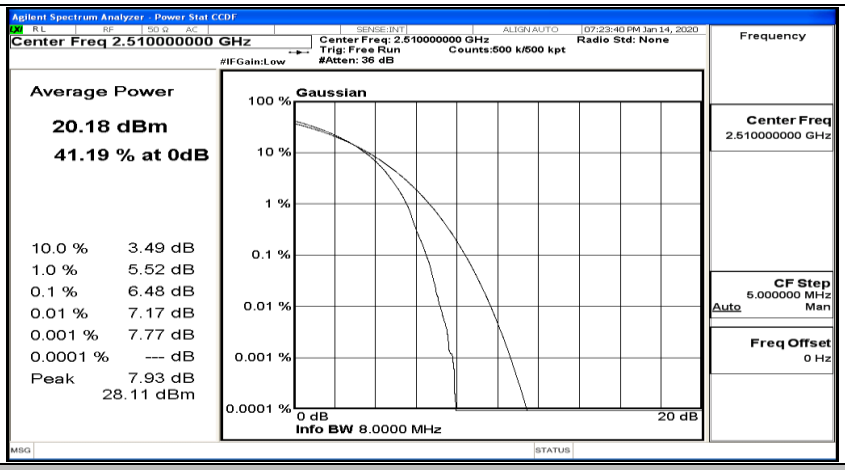
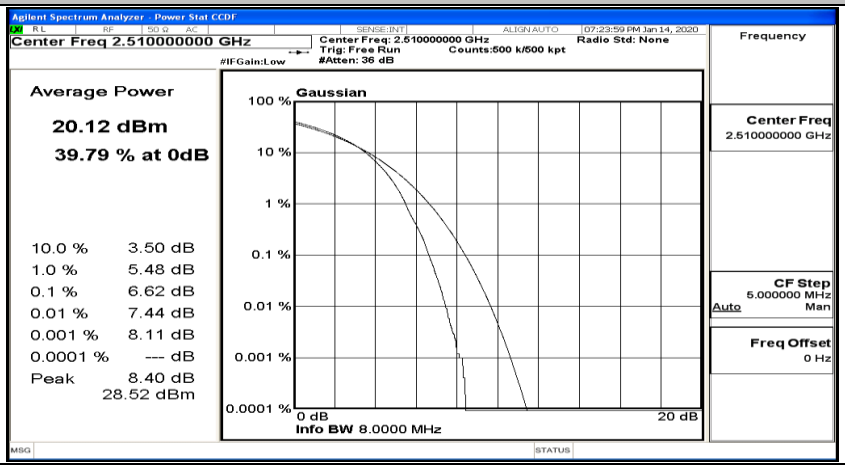
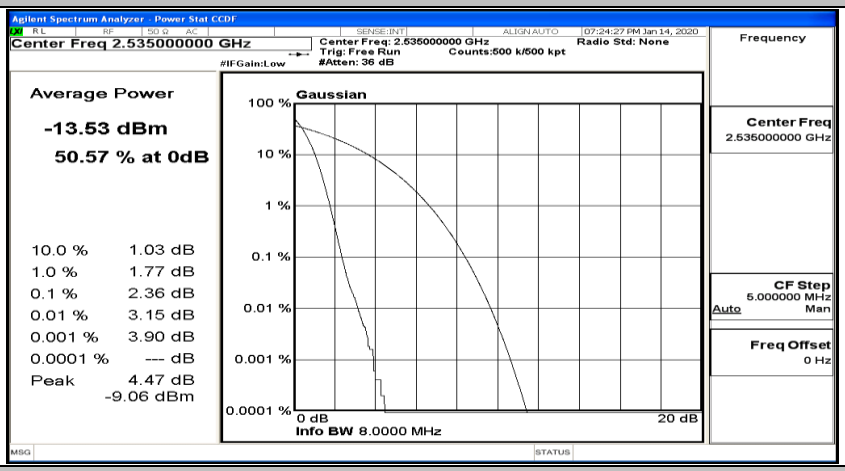


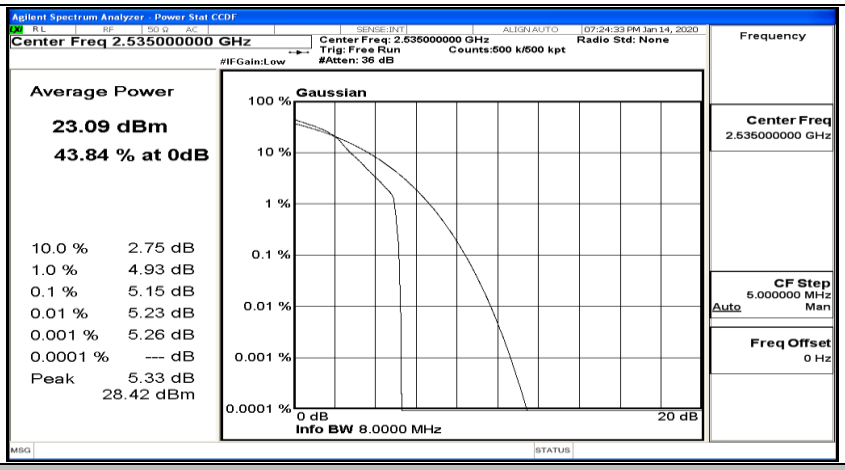
(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0



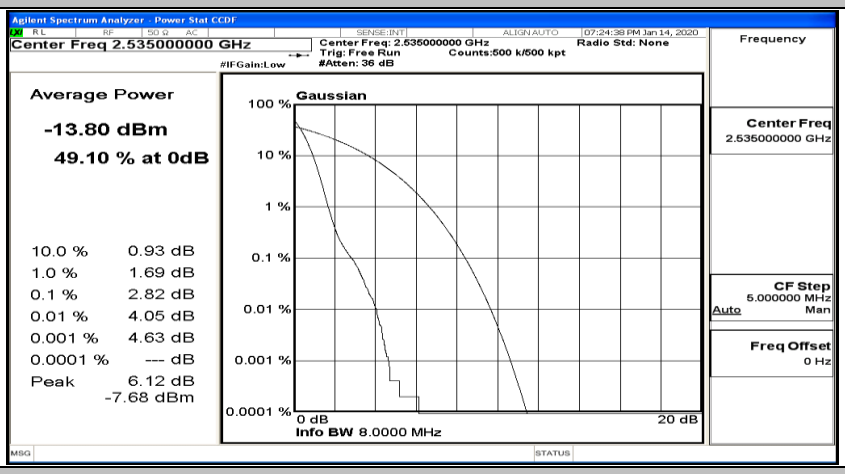
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0



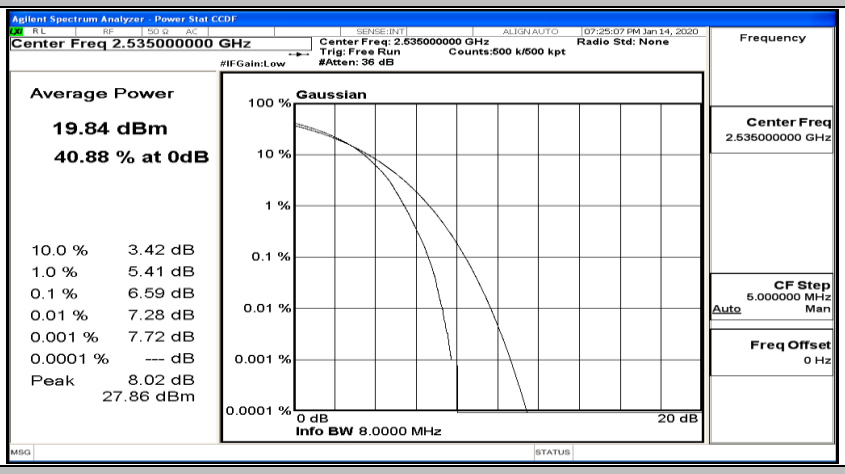
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49



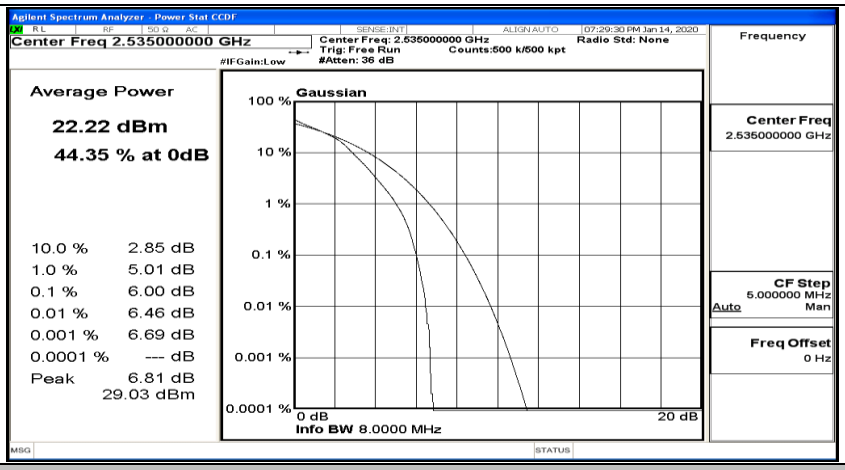
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#99



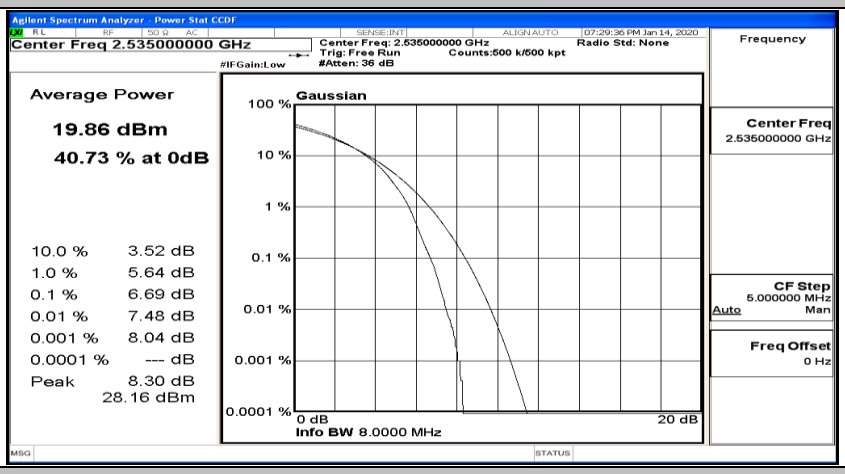
(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#0



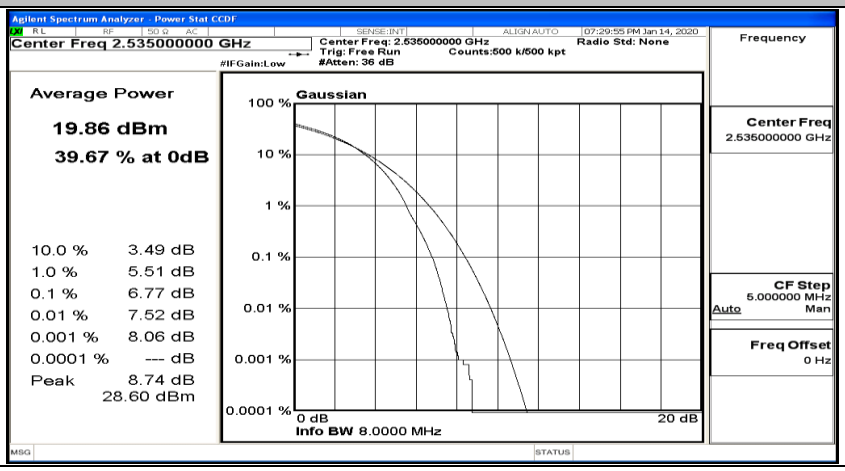
(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#25



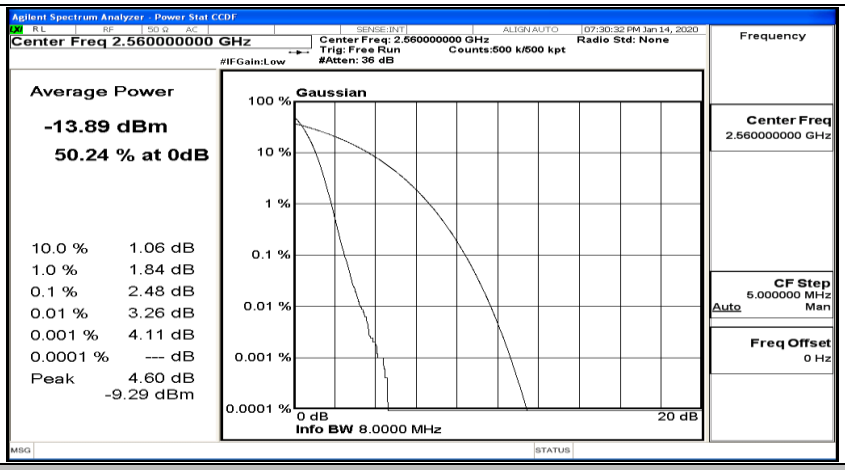
(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#50



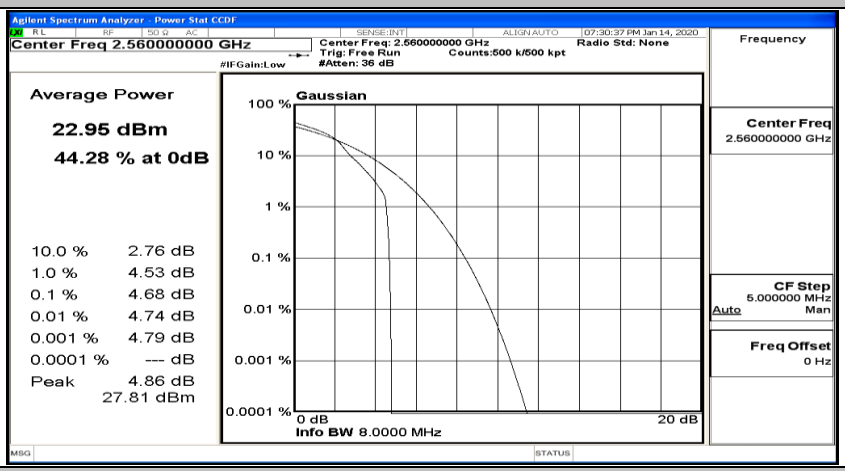
(Channel Bandwidth:20 MHz)_MCH_16QAM_100RB#0



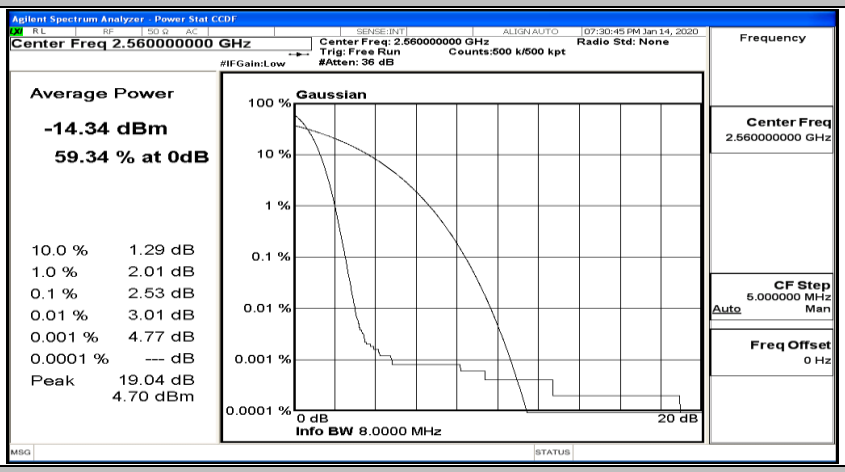
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



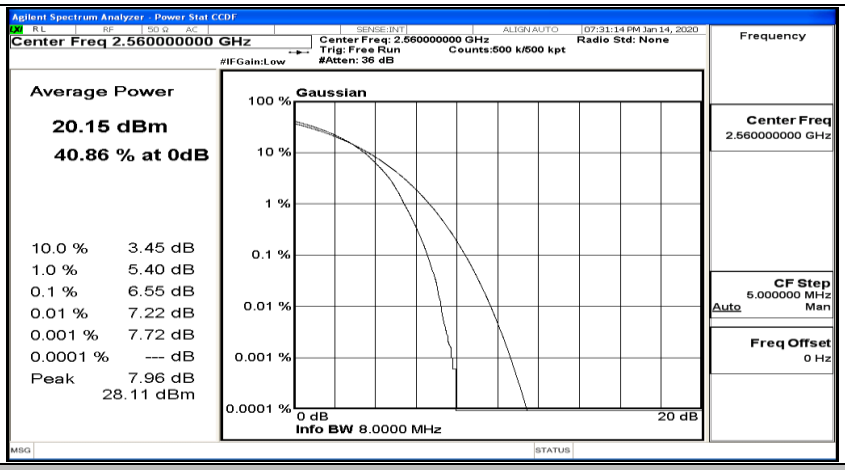
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49



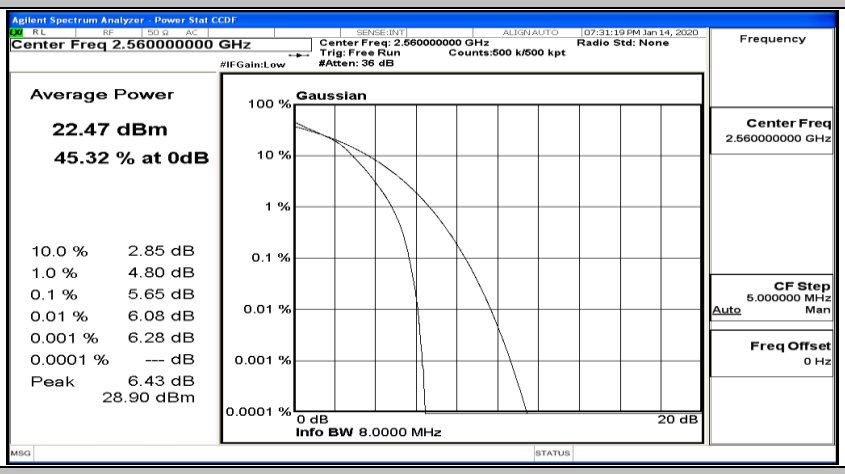
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99



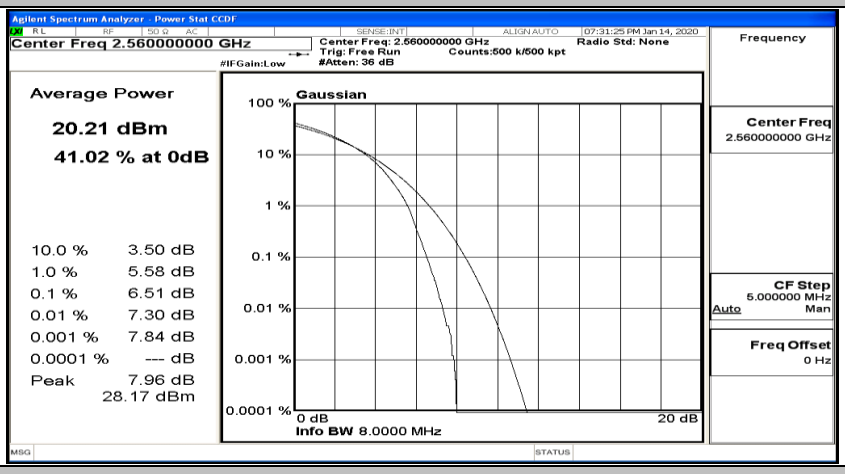
(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#0



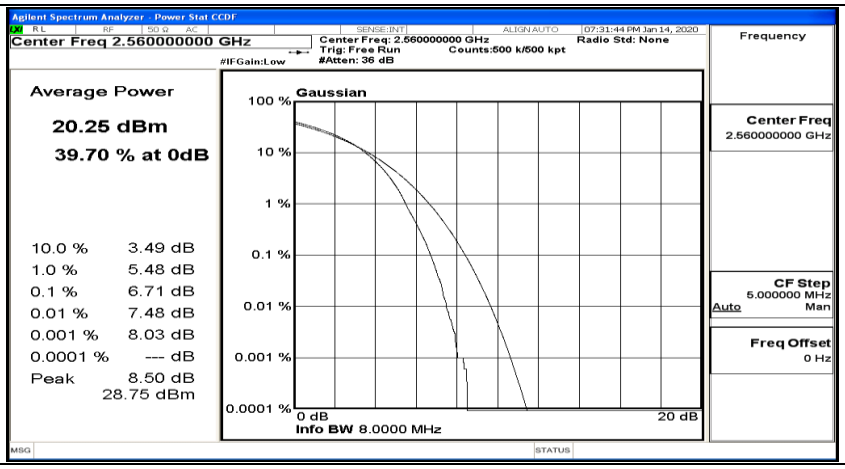
(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#25



(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#50



(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0


Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 2.560000000 GHz
Center Freq: 2.560000000 GHz
Trig: Free Run
Counts:500 k/500 kpt
#Atten: 36 dB
#IFGain:Low
Radio Std: None
07:31:44 PM Jan 14, 2020
Average Power
20.25 dBm
39.70 % at 0dB
10.0 % 3.49 dB
1.0 % 5.48 dB
0.1 % 6.71 dB
0.01 % 7.48 dB
0.001 % 8.03 dB
0.0001 % --- dB
Peak 8.50 dB
28.75 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 8.0000 MHz
Frequency
Center Freq
2.560000000 GHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

E.3: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.29478	0.4591	PASS
		1	12	0.35540	0.5724	PASS
		1	24	0.28436	0.4267	PASS
		12	0	2.1760	2.525	PASS
		12	6	2.1803	2.689	PASS
		12	13	2.1778	2.491	PASS
		25	0	4.4682	4.792	PASS
	MCH	1	0	0.29273	0.4612	PASS
		1	12	0.39350	0.6507	PASS
		1	24	0.28845	0.4717	PASS
		12	0	2.1767	2.531	PASS
		12	6	2.1776	2.776	PASS
		12	13	2.1753	2.506	PASS
		25	0	4.4747	4.806	PASS
	HCH	1	0	0.29996	0.4627	PASS
		1	12	0.41334	0.6710	PASS
		1	24	0.29351	0.4526	PASS
		12	0	2.1837	2.549	PASS
		12	6	2.1851	2.805	PASS
		12	13	2.1756	2.525	PASS
		25	0	4.4733	4.839	PASS
16QAM	LCH	1	0	0.29191	0.4393	PASS
		1	12	0.38420	0.6023	PASS
		1	24	0.29311	0.4347	PASS
		12	0	2.1735	2.492	PASS
		12	6	2.1811	2.672	PASS
		12	13	2.1747	2.520	PASS
		25	0	4.4770	4.800	PASS
	MCH	1	0	0.29829	0.4746	PASS
		1	12	0.43180	0.6612	PASS
		1	24	0.29945	0.4720	PASS

		12	0	2.1796	2.526	PASS
		12	6	2.1751	2.696	PASS
		12	13	2.1747	2.487	PASS
		25	0	4.4778	4.784	PASS
	HCH	1	0	0.29689	0.4742	PASS
		1	12	0.42966	0.6475	PASS
		1	24	0.28941	0.4496	PASS
		12	0	2.1795	2.564	PASS
		12	6	2.1779	2.644	PASS
		12	13	2.1762	2.542	PASS
		25	0	4.4784	4.775	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.37743	0.5441	PASS
		1	25	0.44549	0.7257	PASS
		1	49	0.38780	0.5794	PASS
		25	0	4.5261	4.940	PASS
		25	12	4.5204	5.095	PASS
		25	25	4.5103	5.045	PASS
		50	0	8.9257	9.458	PASS
	MCH	1	0	19.822	20.00	PASS
		1	25	0.45695	0.6879	PASS
		1	49	0.38509	0.5636	PASS
		25	0	4.5085	4.941	PASS
		25	12	4.5072	5.071	PASS
		25	25	4.5172	4.926	PASS
		50	0	8.9261	9.505	PASS
	HCH	1	0	0.37847	0.5475	PASS
		1	25	0.46537	0.7371	PASS
		1	49	0.38953	0.5845	PASS
		25	0	4.5264	5.029	PASS
		25	12	4.5117	5.027	PASS
		25	25	4.5154	4.978	PASS
		50	0	8.9402	9.464	PASS
16QAM	LCH	1	0	0.39066	0.5722	PASS
		1	25	0.45877	0.7111	PASS
		1	49	0.39365	0.5722	PASS
		25	0	4.5100	4.921	PASS

		25	12	4.5146	5.093	PASS
		25	25	4.5267	4.981	PASS
		50	0	8.9175	9.381	PASS
	MCH	1	0	0.38092	0.6065	PASS
		1	25	0.46758	0.6728	PASS
		1	49	0.39068	0.5762	PASS
		25	0	4.5058	4.900	PASS
		25	12	4.5084	5.109	PASS
		25	25	4.5087	4.937	PASS
		50	0	8.9203	9.463	PASS
	HCH	1	0	0.38422	0.5453	PASS
		1	25	0.44529	0.7276	PASS
		1	49	0.38866	0.5762	PASS
		25	0	4.5197	5.026	PASS
		25	12	4.5086	5.018	PASS
		25	25	4.5131	4.987	PASS
		50	0	8.9163	9.410	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.50094	0.7076	PASS
		1	37	0.57522	0.8330	PASS
		1	74	0.49535	0.7479	PASS
		37	0	6.4967	7.136	PASS
		37	18	6.5054	7.297	PASS
		37	38	6.4863	7.172	PASS
		75	0	13.376	14.05	PASS
	MCH	1	0	0.49760	0.7301	PASS
		1	37	0.57621	0.8384	PASS
		1	74	0.48828	0.7190	PASS
		37	0	6.4899	7.143	PASS
		37	18	6.5034	7.268	PASS
		37	38	6.4916	7.101	PASS
		75	0	13.377	14.04	PASS
	HCH	1	0	0.49127	0.7098	PASS
		1	37	0.57045	0.8228	PASS
		1	74	0.49821	0.7395	PASS
		37	0	6.5020	7.112	PASS

		37	18	6.5035	7.606	PASS
		37	38	6.5023	7.173	PASS
		75	0	13.373	13.99	PASS
16QAM	LCH	1	0	0.50226	0.7568	PASS
		1	37	0.57451	0.7754	PASS
		1	74	0.48784	0.7160	PASS
		37	0	6.4847	7.119	PASS
		37	18	6.4937	7.309	PASS
		37	38	6.4848	7.118	PASS
		75	0	13.376	13.98	PASS
	MCH	1	0	0.49490	0.7373	PASS
		1	37	0.56612	0.8332	PASS
		1	74	0.49844	0.7048	PASS
		37	0	6.4953	7.177	PASS
		37	18	6.4868	7.375	PASS
		37	38	6.4880	7.072	PASS
		75	0	13.384	14.02	PASS
	HCH	1	0	0.48919	0.7127	PASS
		1	37	0.54144	0.7934	PASS
		1	74	0.49642	0.7378	PASS
		37	0	6.5000	7.096	PASS
		37	18	6.4871	7.369	PASS
		37	38	6.4983	7.068	PASS
		75	0	13.366	14.03	PASS

Channel Bandwidth: 20 MHz

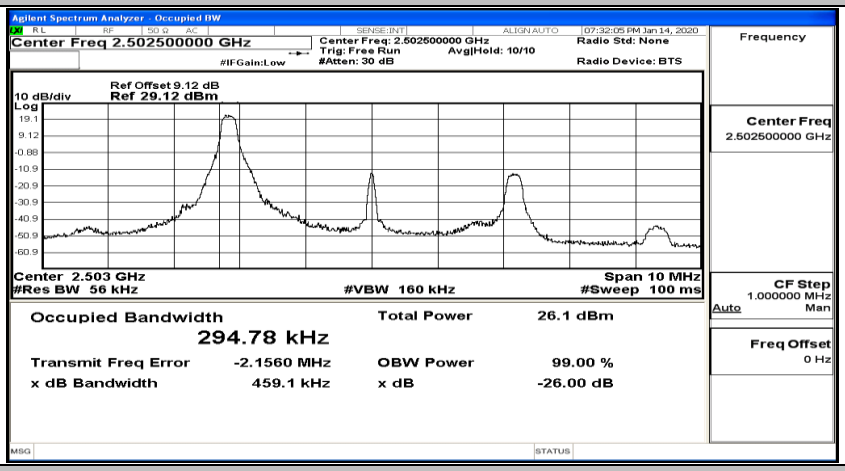
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.57421	0.8392	PASS
		1	50	39.636	40.00	PASS
		1	99	0.56706	0.8591	PASS
		50	0	8.9873	9.628	PASS
		50	25	8.9821	9.771	PASS
		50	50	8.9901	9.635	PASS
		100	0	17.790	18.56	PASS
	MCH	1	0	0.57642	0.8140	PASS
		1	50	0.64575	0.9618	PASS
		1	99	0.58140	0.8070	PASS
		50	0	9.0009	9.585	PASS

		50	25	9.0027	9.971	PASS
		50	50	8.9958	9.670	PASS
		100	0	17.849	18.65	PASS
	HCH	1	0	0.57480	0.8473	PASS
		1	50	0.66530	0.9330	PASS
		1	99	0.58986	0.8758	PASS
		50	0	8.9947	9.697	PASS
		50	25	8.9915	9.821	PASS
		50	50	8.9925	9.759	PASS
		100	0	17.828	18.56	PASS
16QAM	LCH	1	0	0.58656	0.8153	PASS
		1	50	0.67015	0.9674	PASS
		1	99	0.56114	0.7870	PASS
		50	0	8.9767	9.562	PASS
		50	25	8.9849	9.619	PASS
		50	50	8.9942	9.634	PASS
		100	0	17.812	18.54	PASS
	MCH	1	0	0.58287	0.8278	PASS
		1	50	0.64311	0.8930	PASS
		1	99	0.57055	0.8186	PASS
		50	0	8.9872	9.610	PASS
		50	25	8.9898	9.729	PASS
		50	50	9.0035	9.666	PASS
		100	0	17.849	18.57	PASS
	HCH	1	0	0.56135	0.8310	PASS
		1	50	0.62852	0.9161	PASS
		1	99	0.55855	0.8256	PASS
		50	0	8.9943	9.657	PASS
		50	25	8.9855	9.816	PASS
		50	50	8.9784	9.718	PASS
		100	0	17.847	18.57	PASS

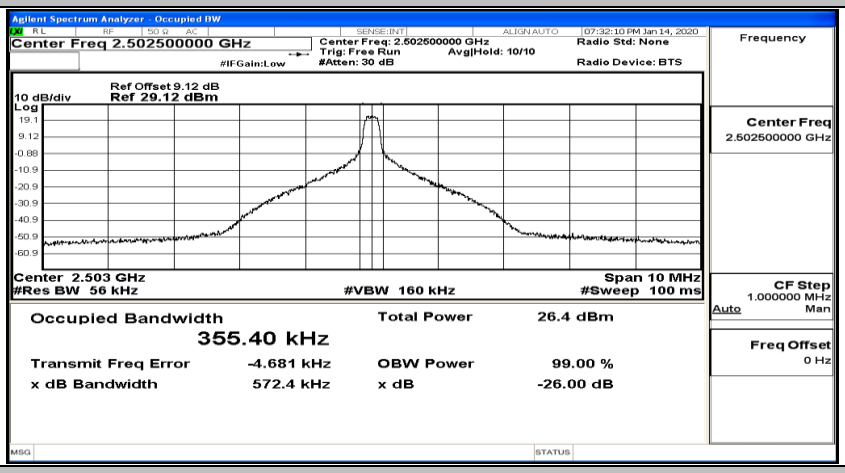
Test Graphs

Channel Bandwidth: 5 MHz

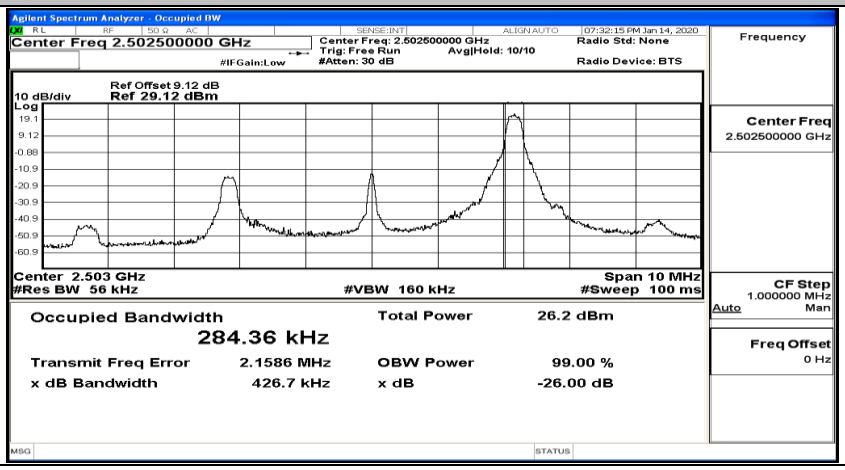
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



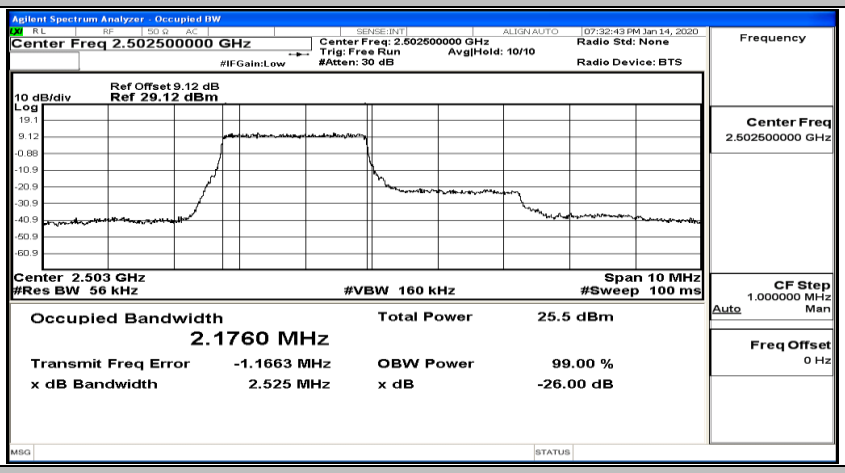
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



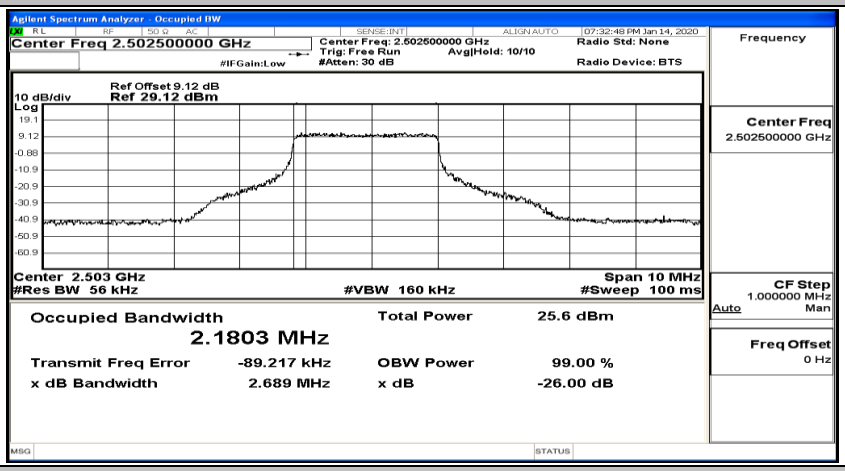
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



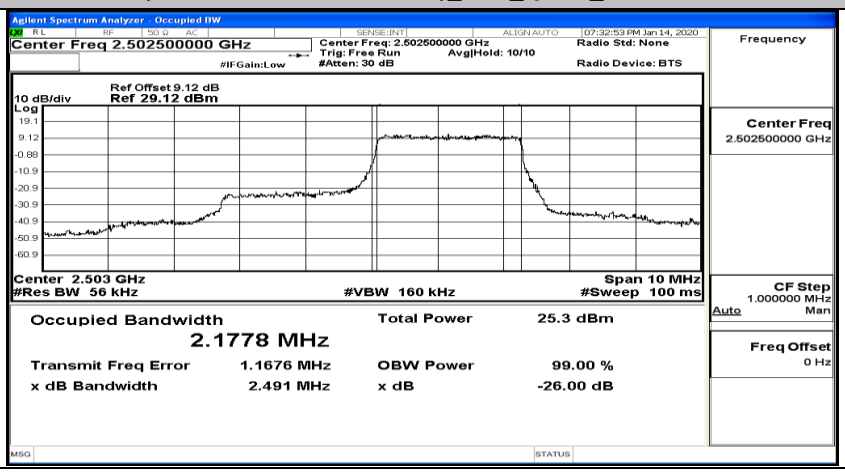
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



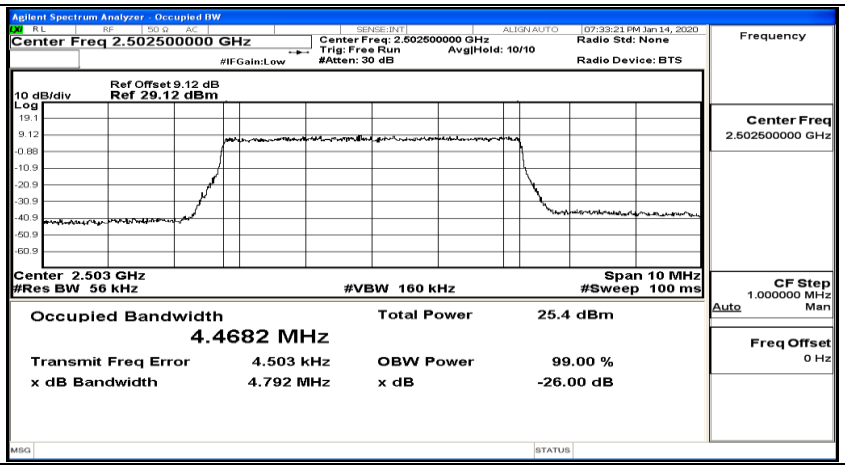
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



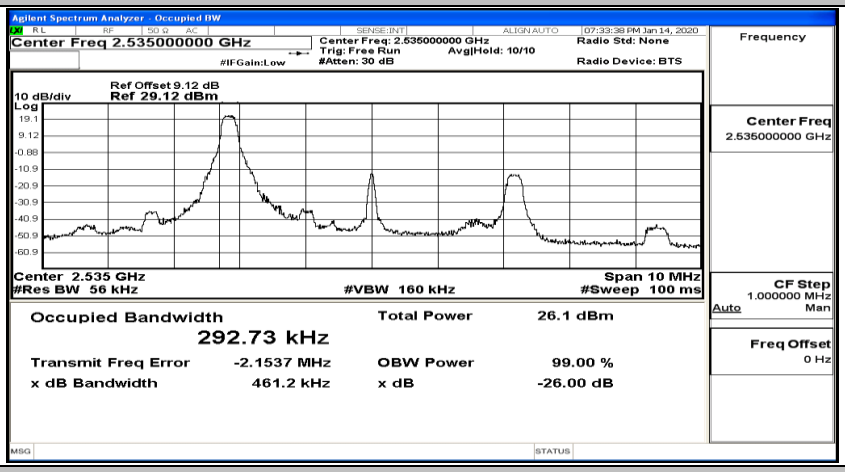
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



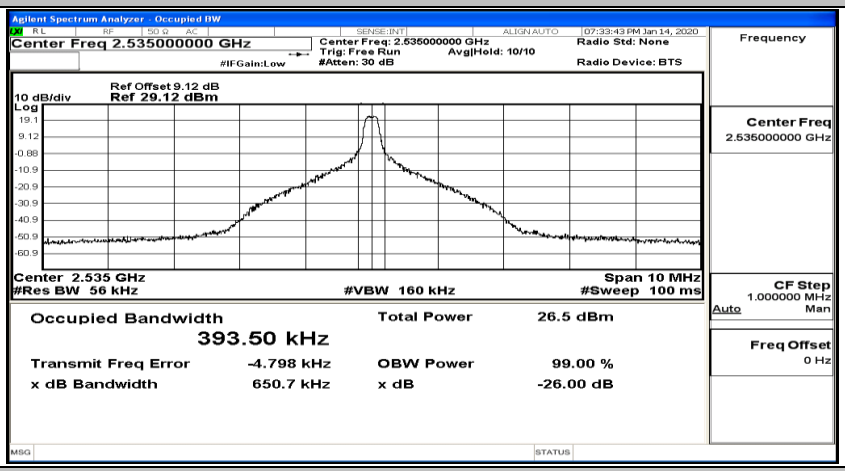
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



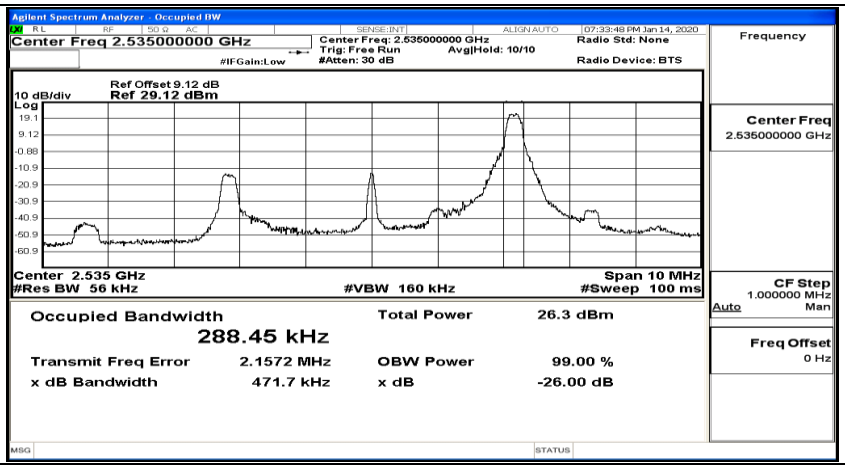
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



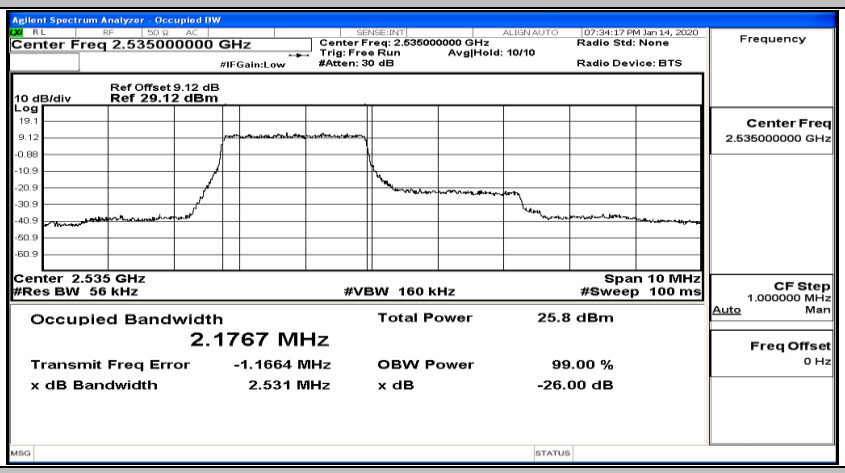
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



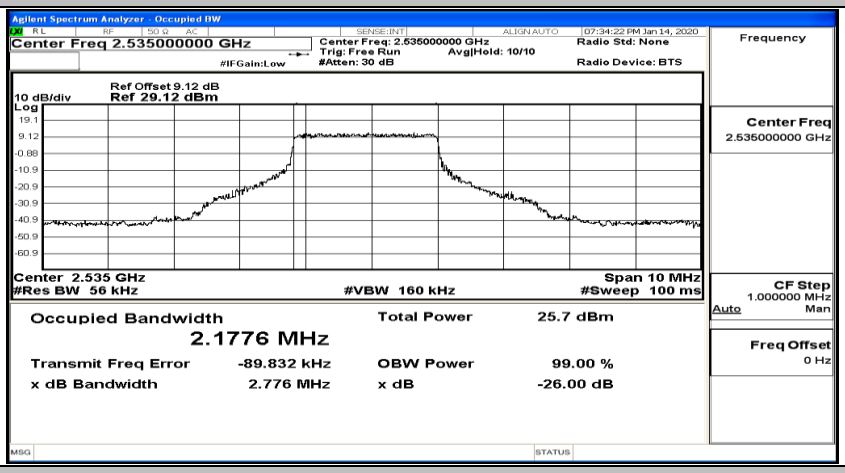
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



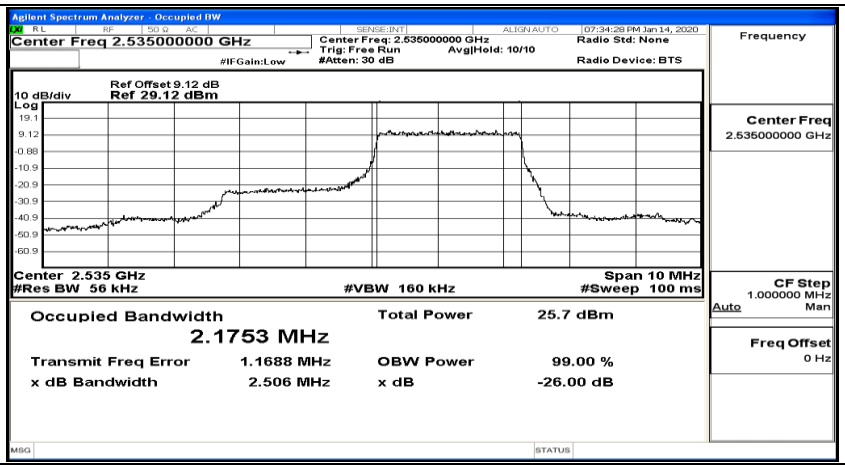
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



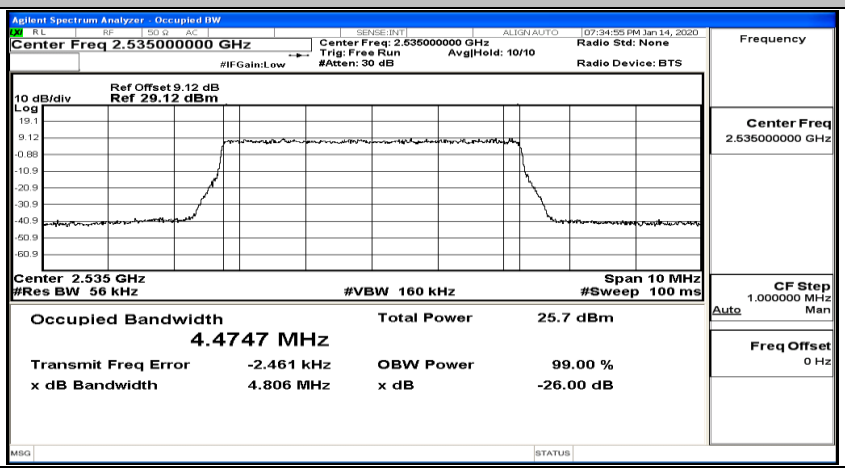
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



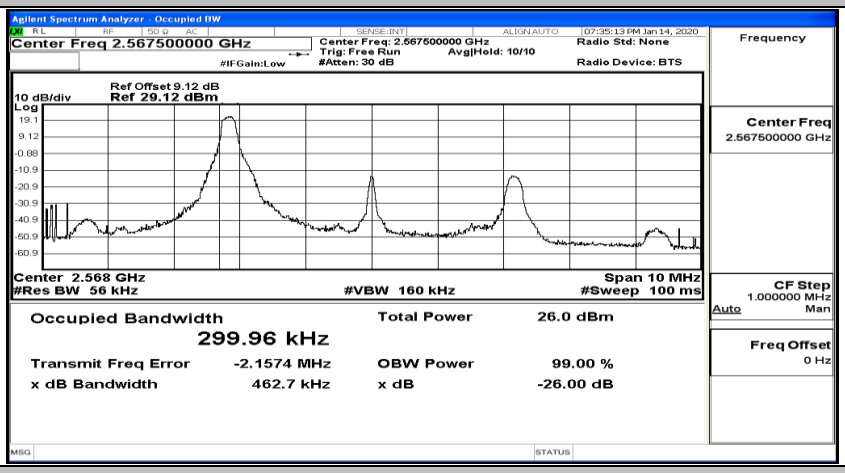
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



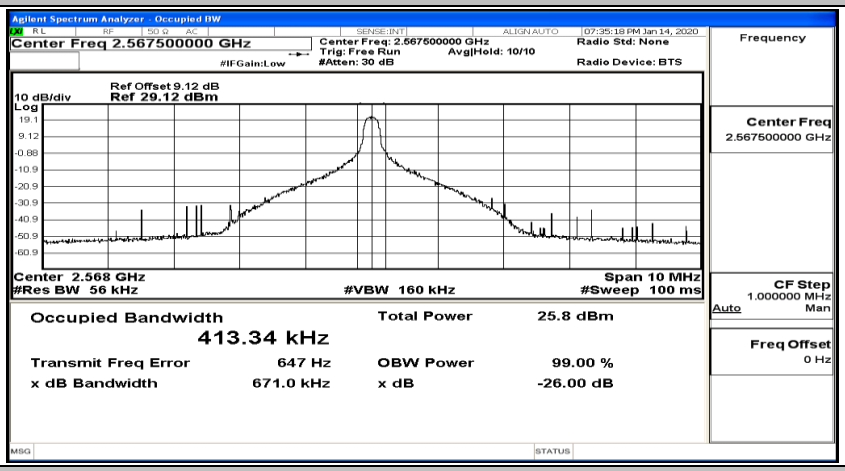
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



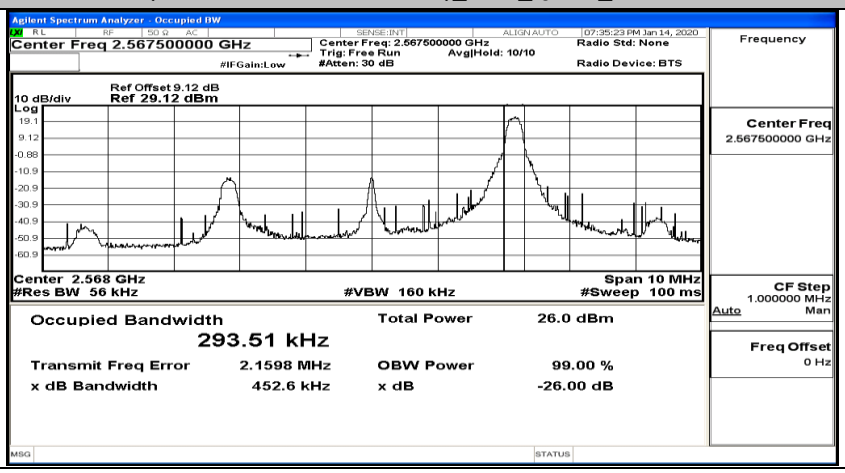
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



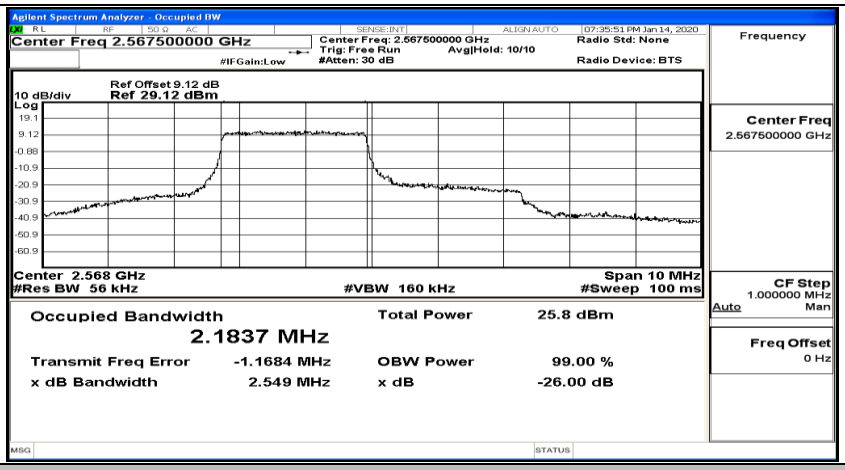
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



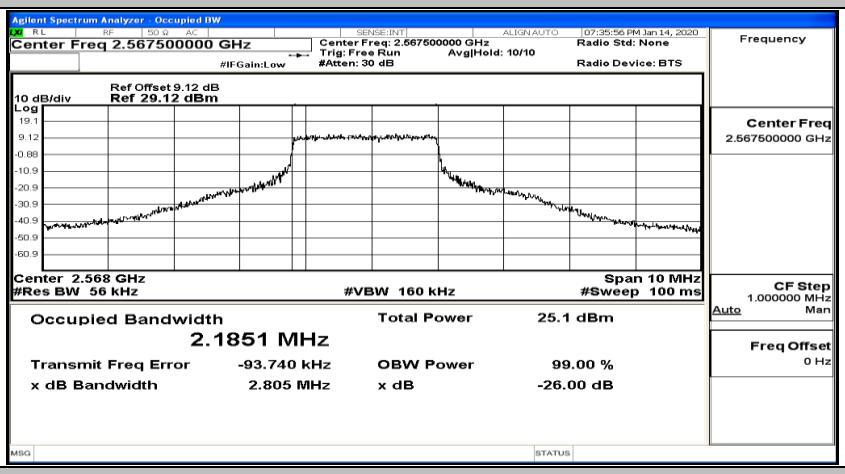
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



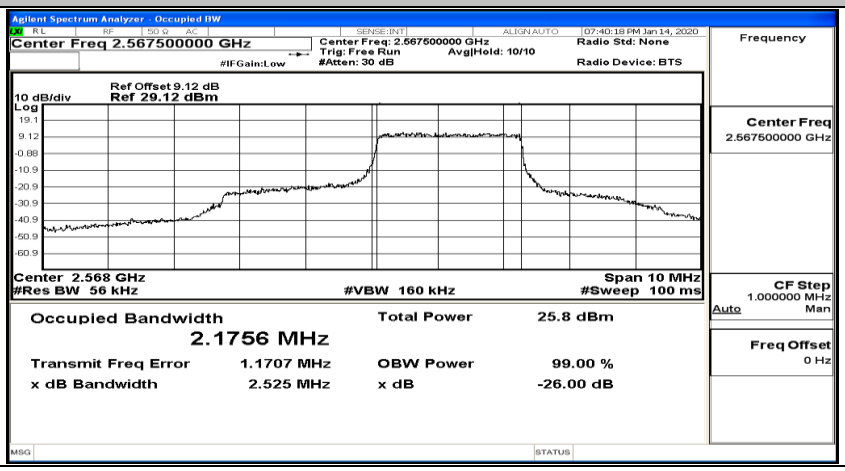
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



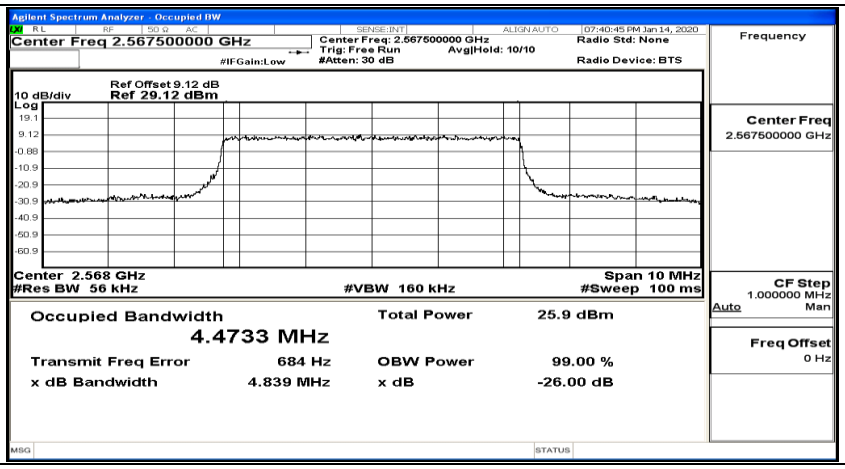
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



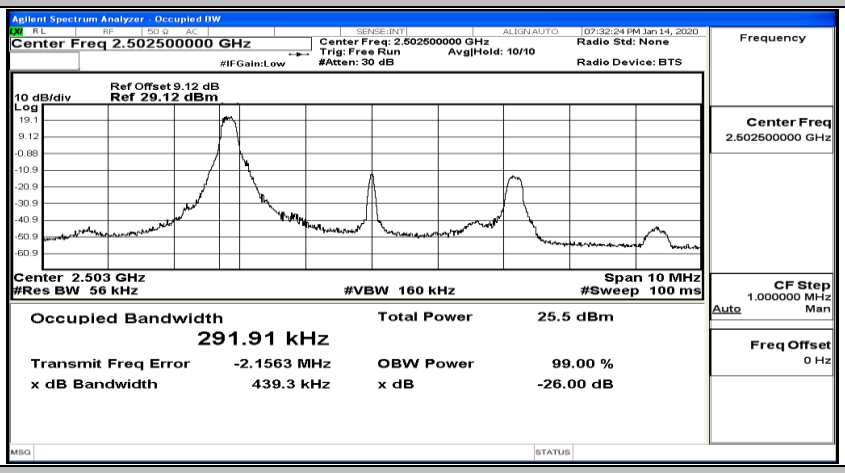
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



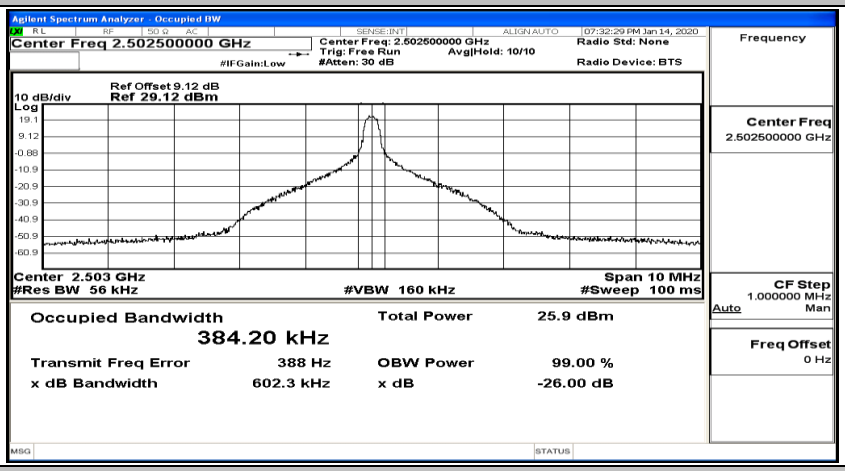
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0


Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.567500000 GHz
Center Freq: 2.567500000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
07:40:45 PM Jan 14, 2020
Ref Offset 9.12 dB
10 dB/div
Ref 29.12 dBm
Log
Center 2.568 GHz
#Res BW 56 kHz
#VBW 160 kHz
Span 10 MHz
#Sweep 100 ms
Occupied Bandwidth
4.4733 MHz
Total Power 25.9 dBm
Transmit Freq Error 684 Hz
OBW Power 99.00 %
x dB Bandwidth 4.839 MHz
x dB -26.00 dB
Frequency
Center Freq
2.567500000 GHz
CF Step
1.000000 MHz
Auto Man
Freq Offset
0 Hz

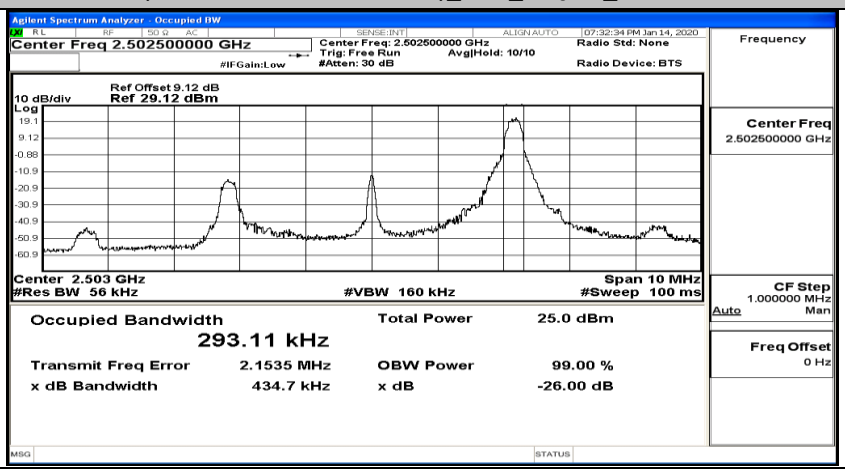
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



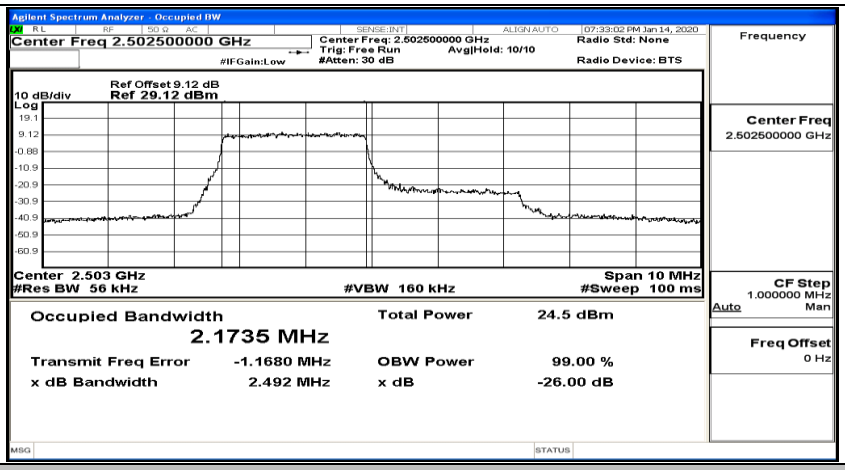
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



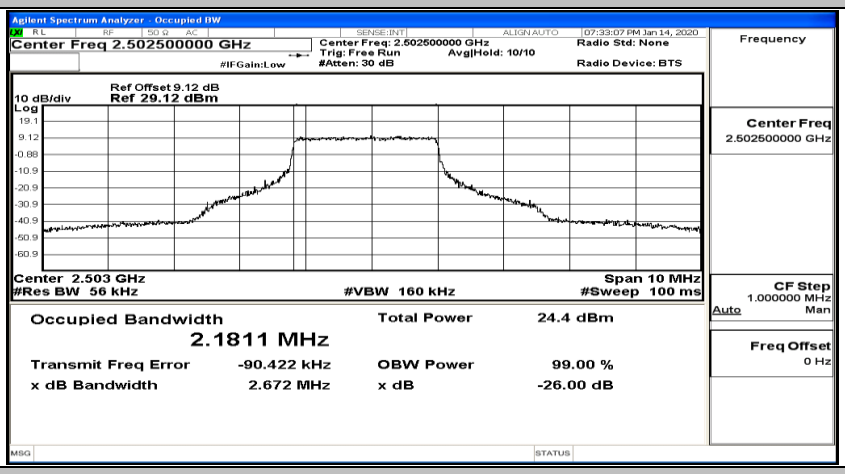
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



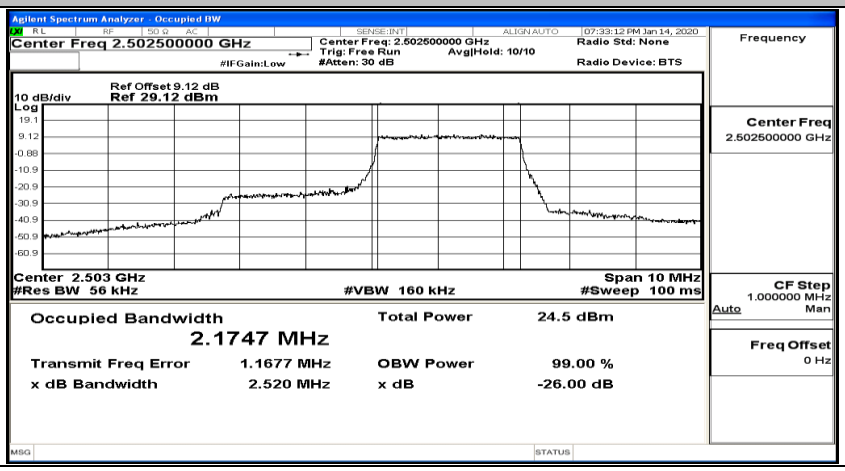
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



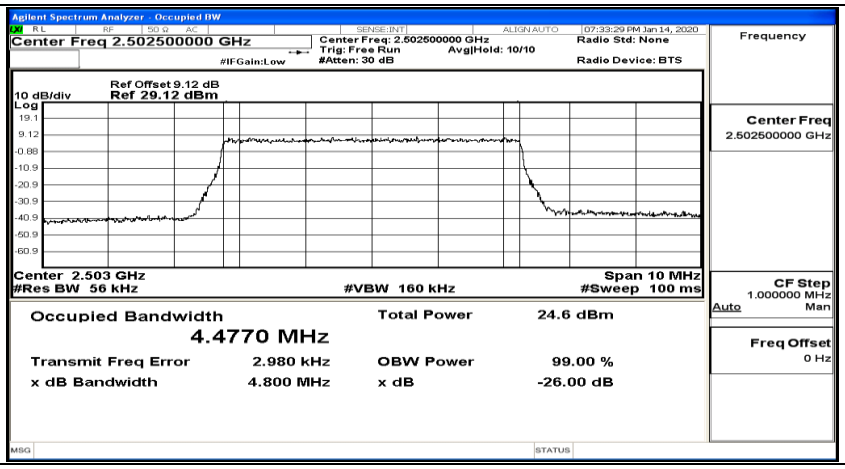
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



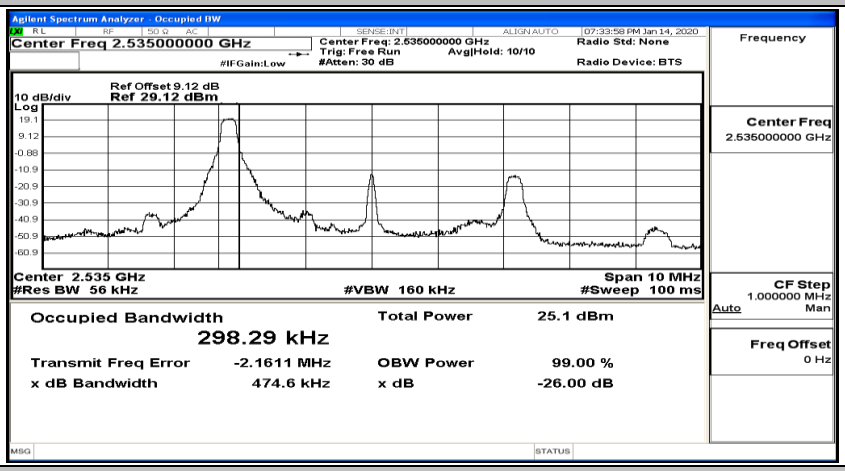
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



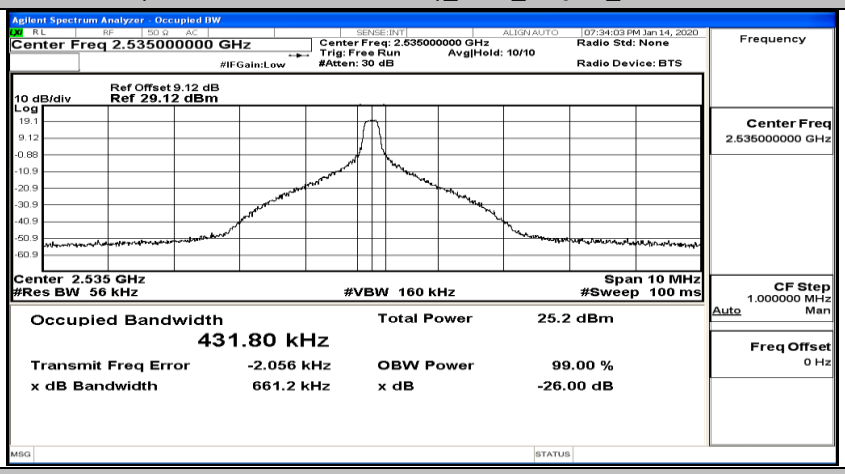
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



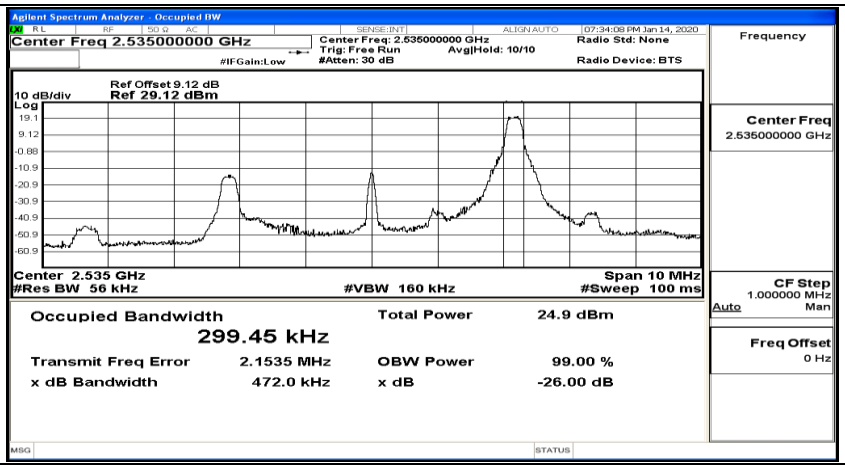
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



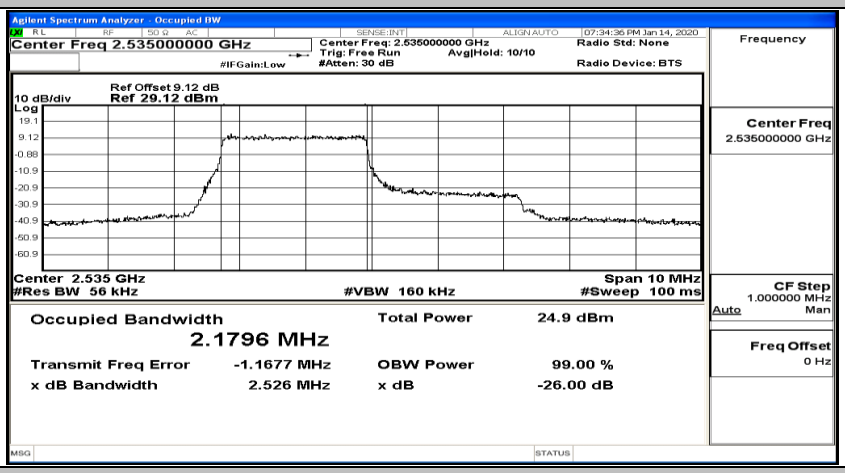
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



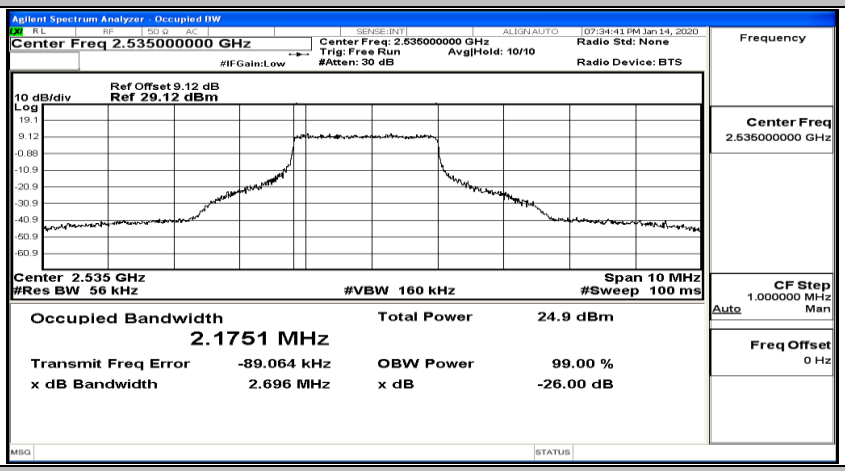
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



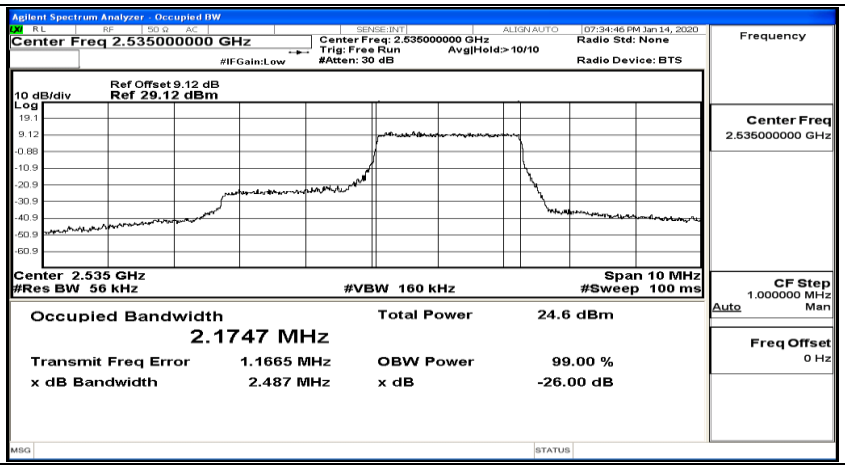
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



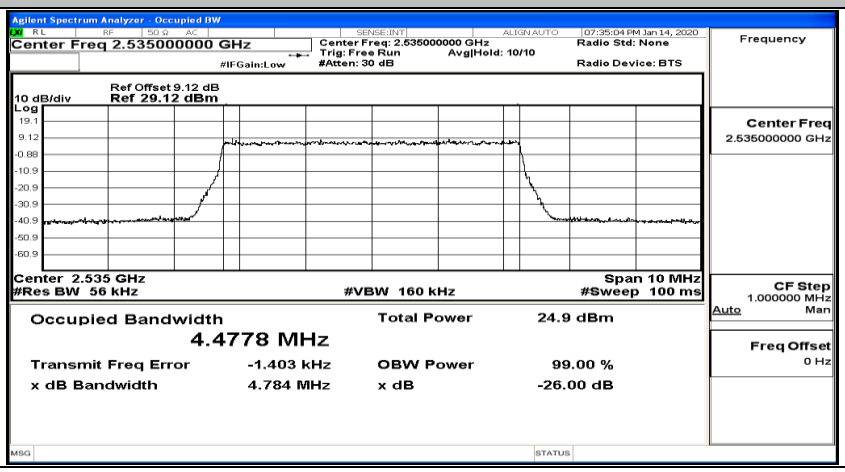
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



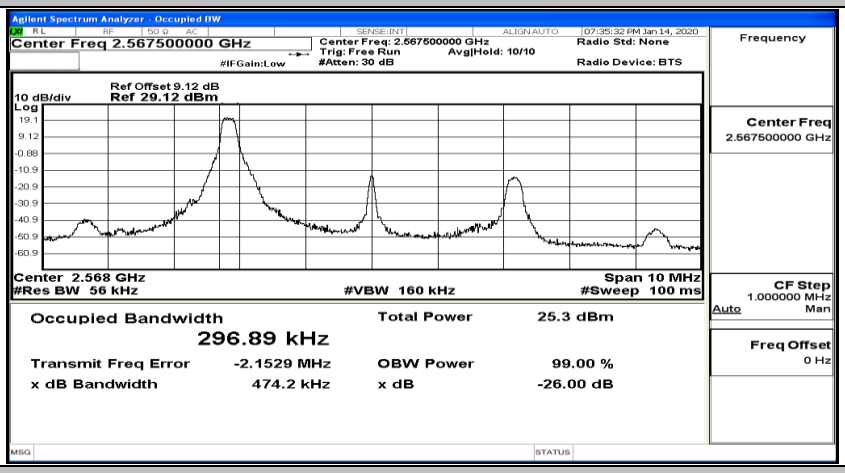
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



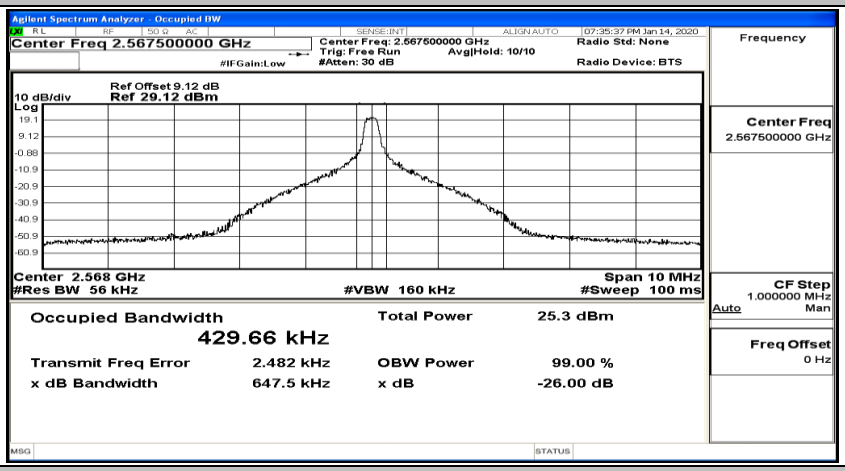
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



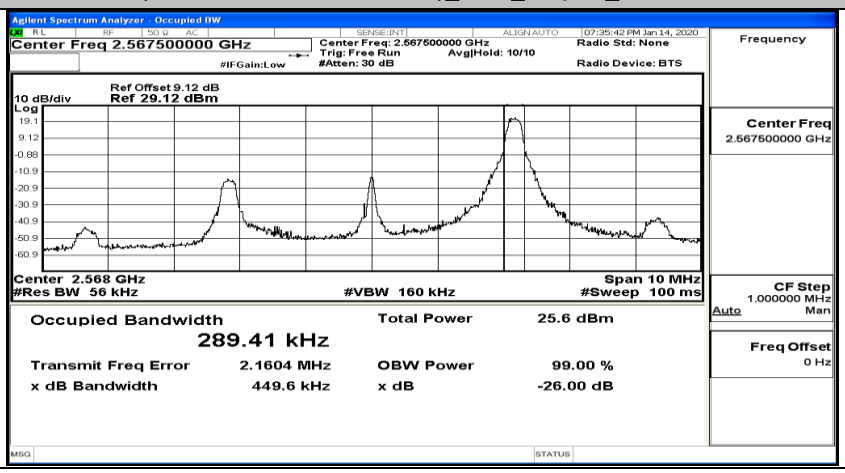
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



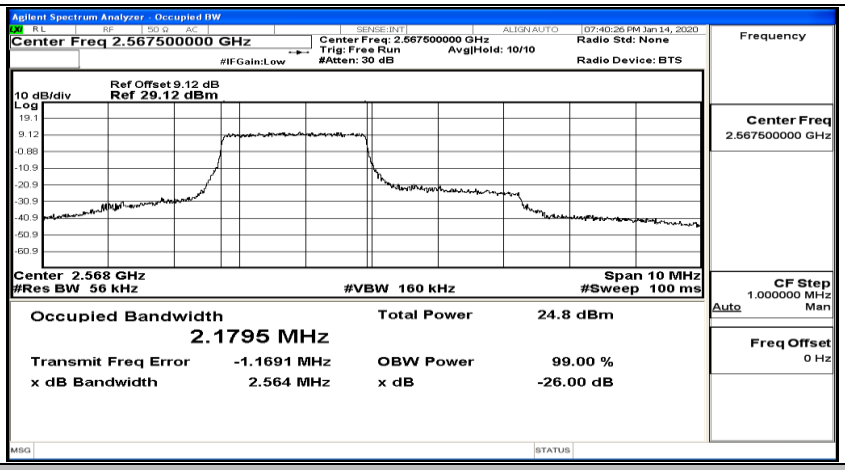
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



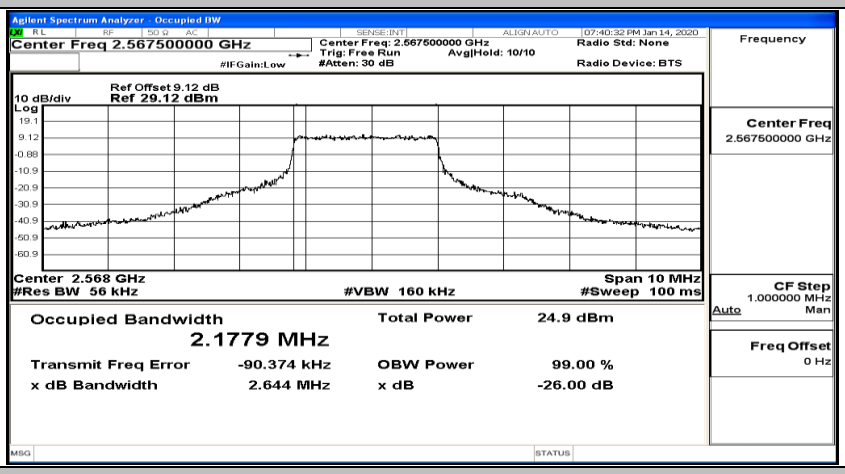
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



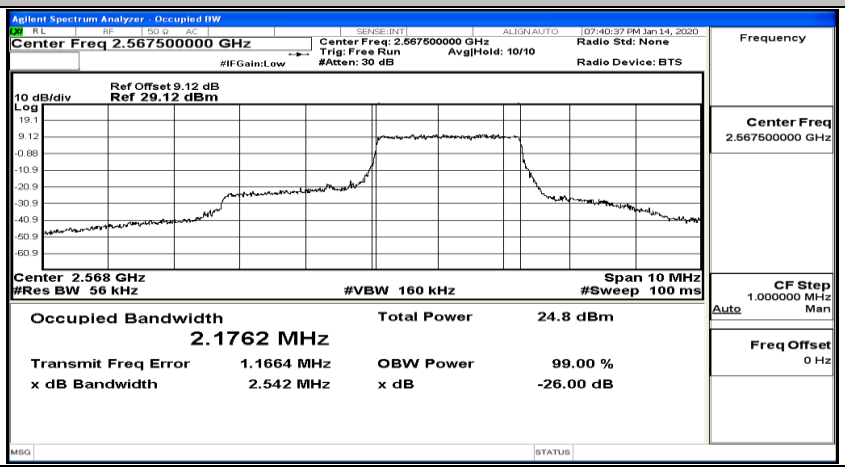
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0