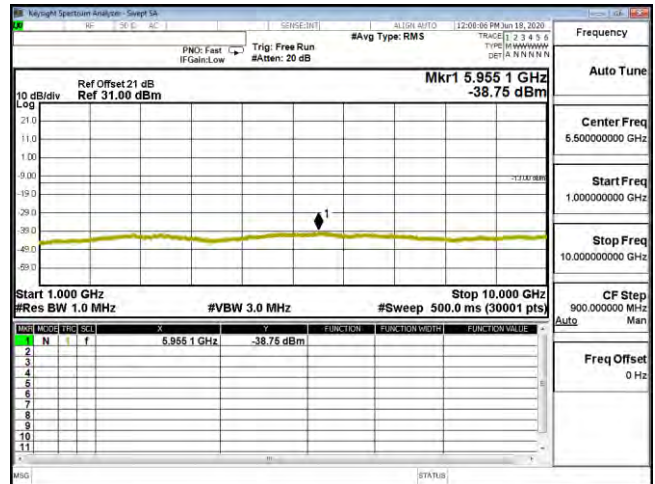
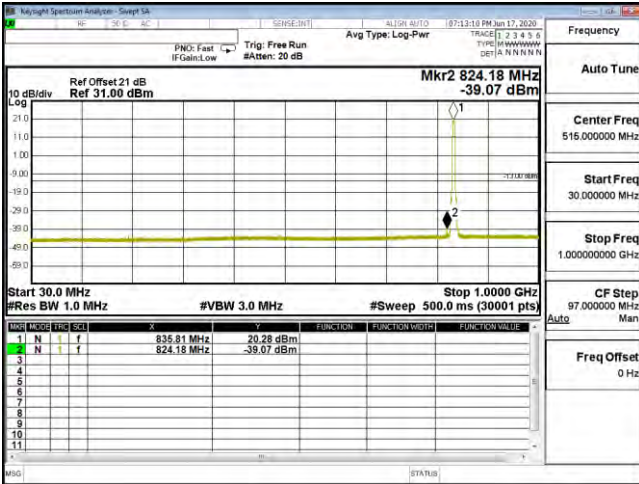


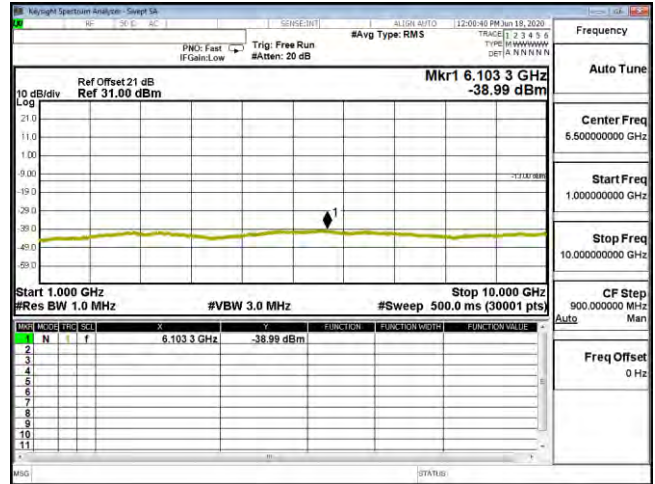
CSE B5 CH4132 VOICE 30M-1G



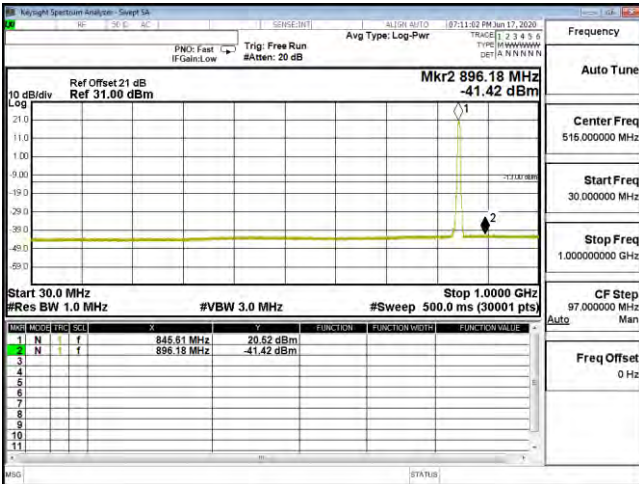
CSE B5 CH4132 VOICE 1G-10G



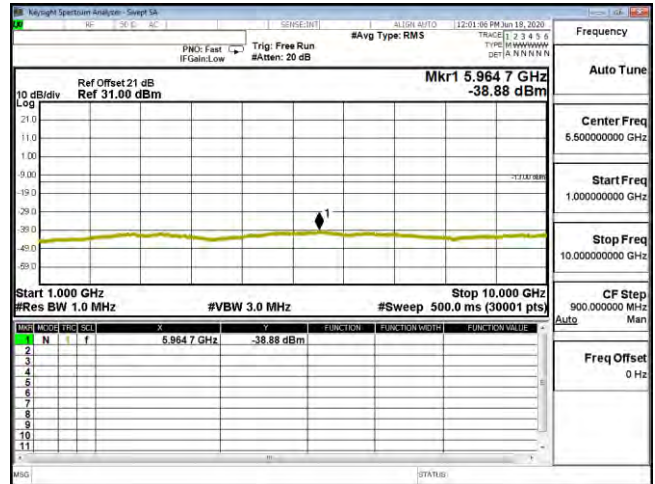
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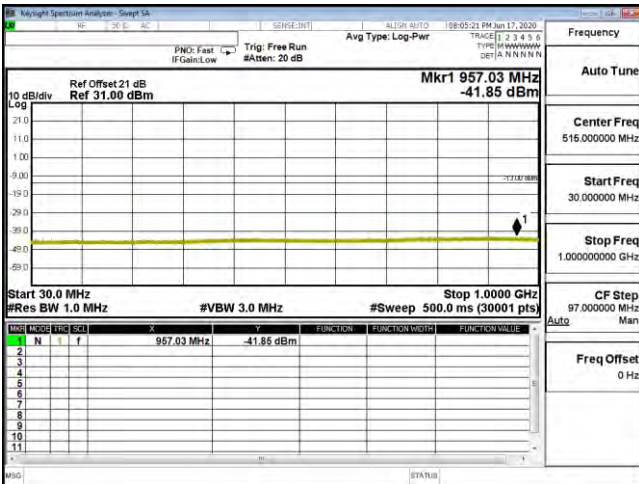
CSE B5 CH4183 VOICE 1G-10G



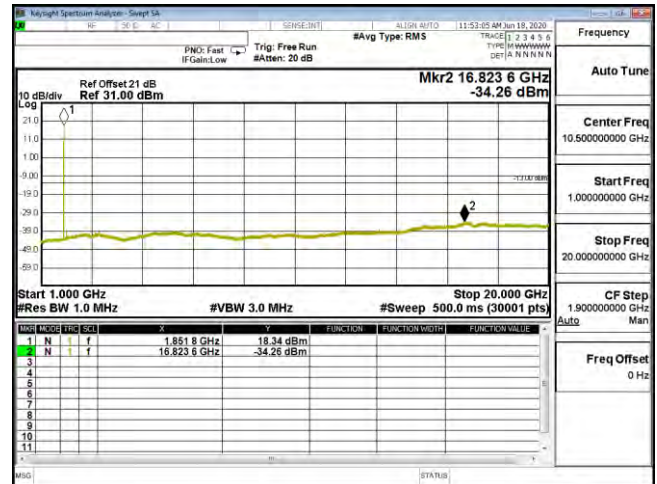
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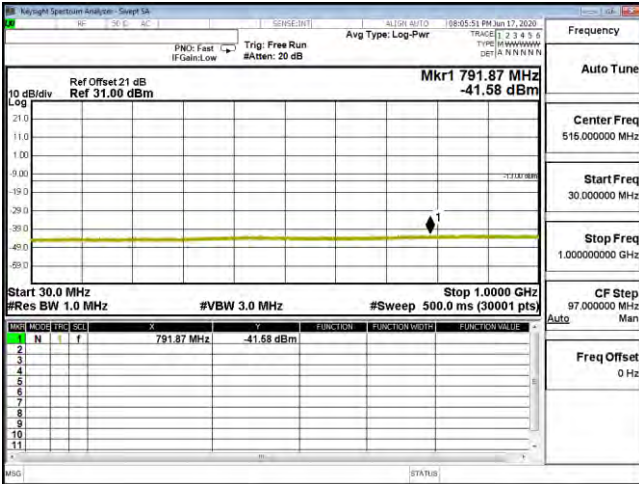
CSE B5 CH4233 VOICE 1G-10G



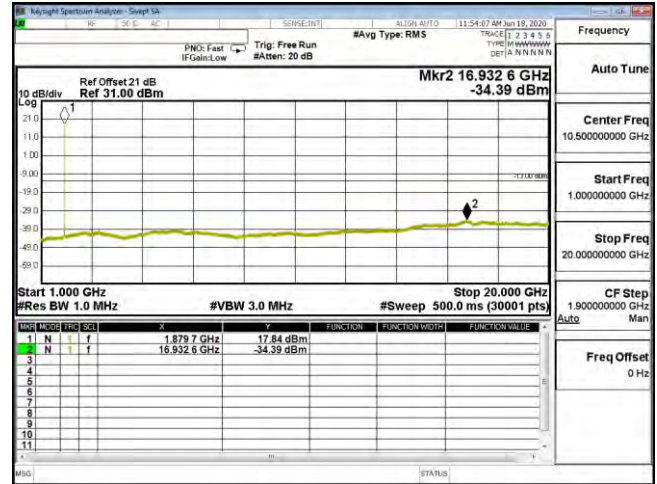
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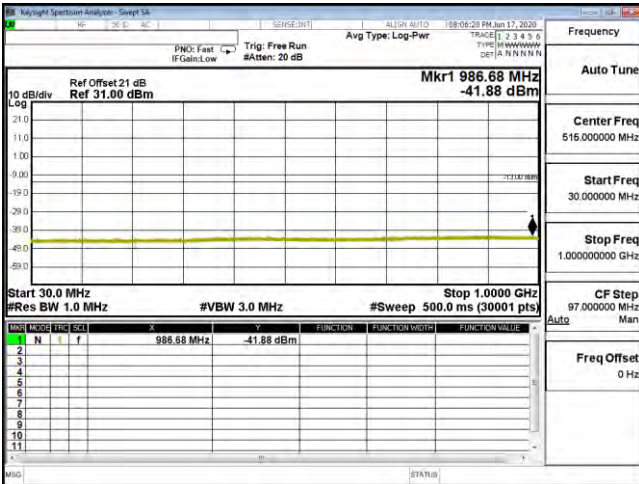
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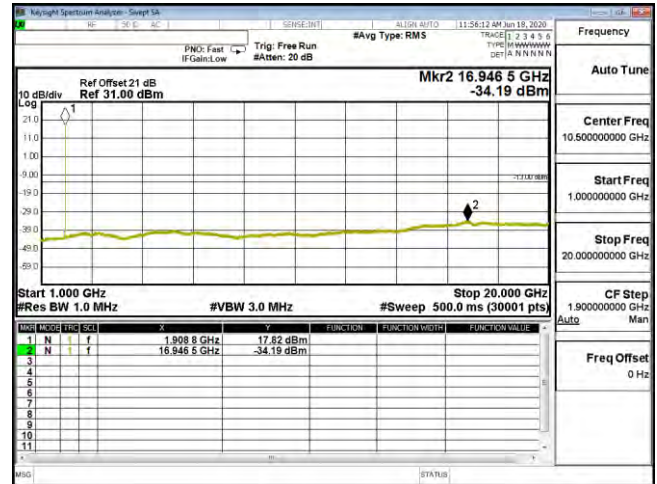
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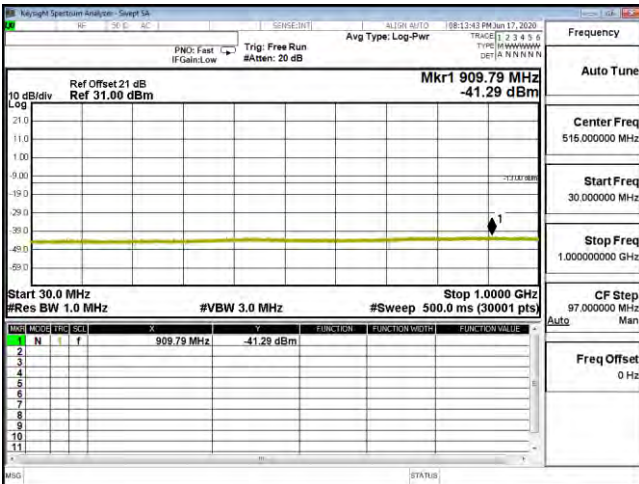
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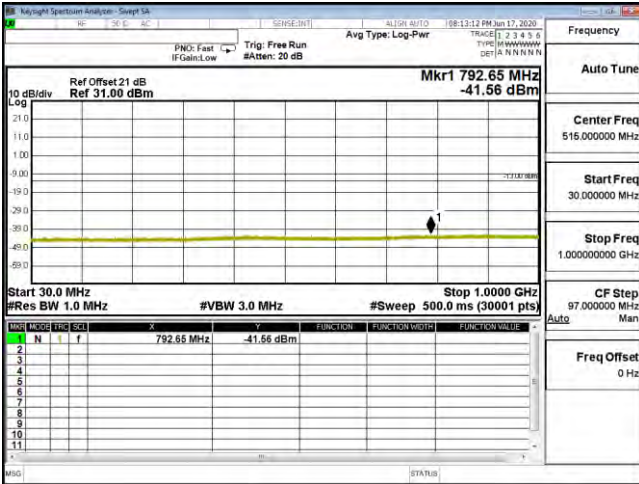
CSE B2 CH9538 RMC 1G-20G



CSE B4 CH1312 RMC 30M-1G



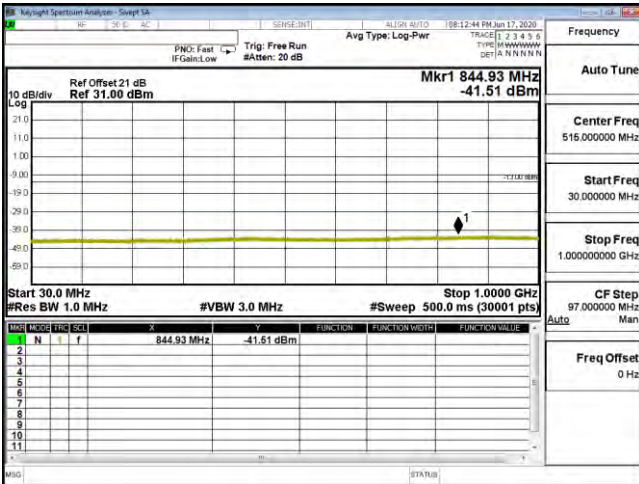
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CSE B4 CH1413 RMC 30M-1G



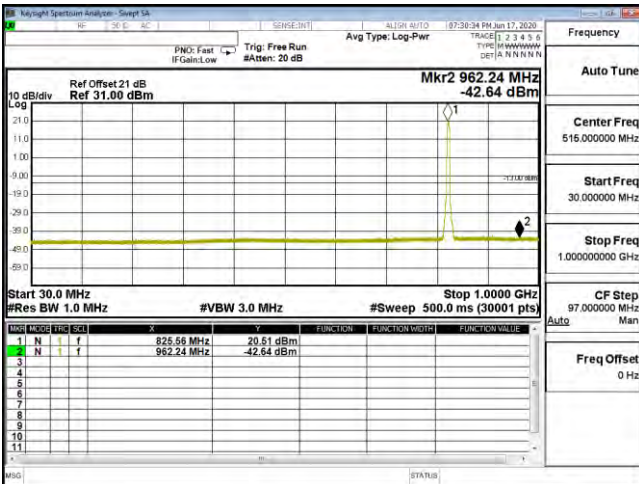
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CSE B4 CH1513 RMC 30M-1G



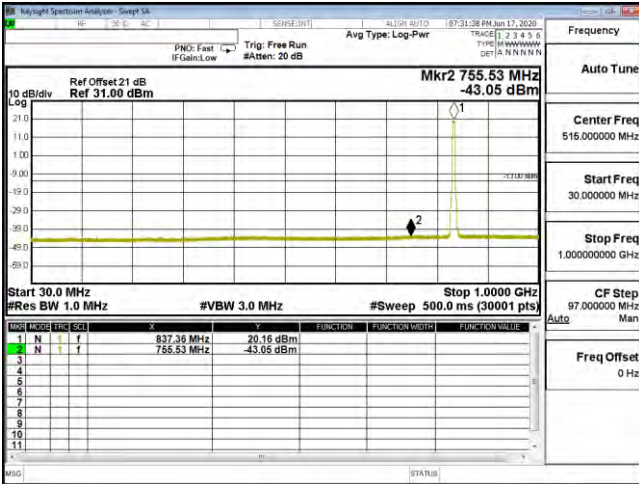
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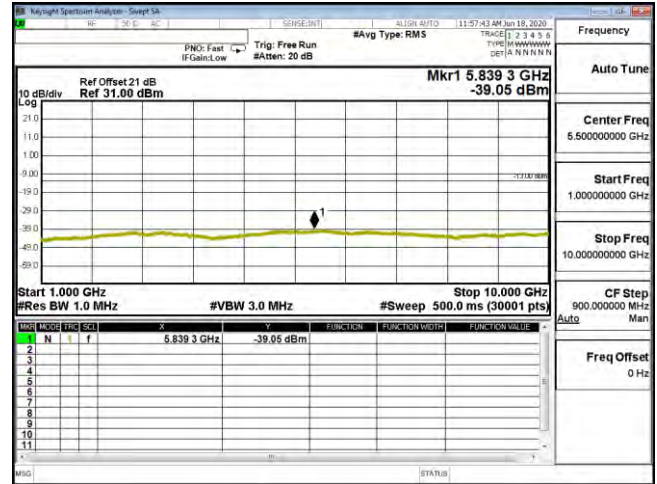
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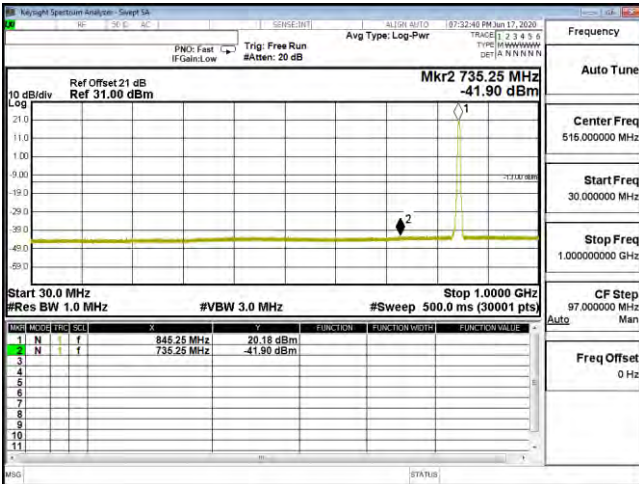
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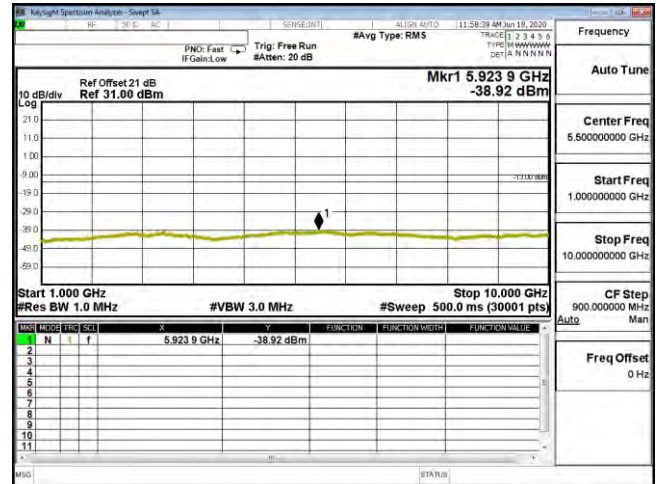
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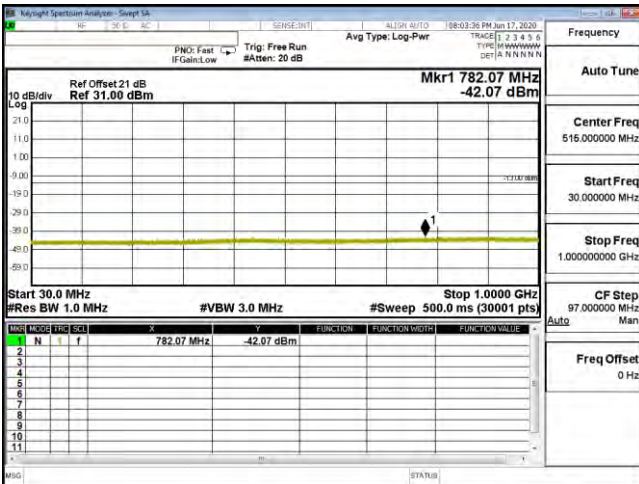
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CSE B5 CH4233 RMC 30M-1G



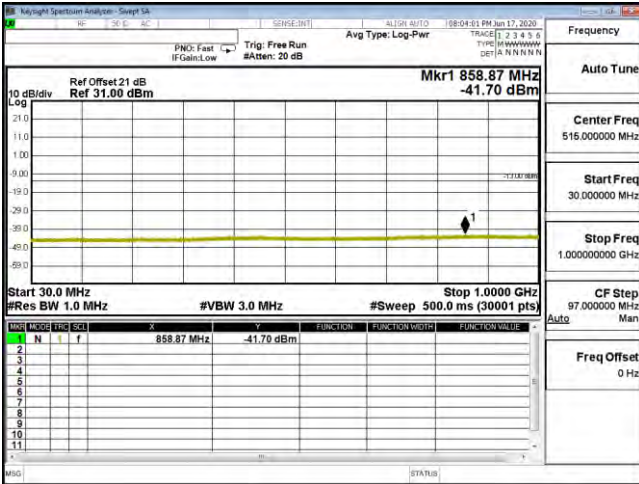
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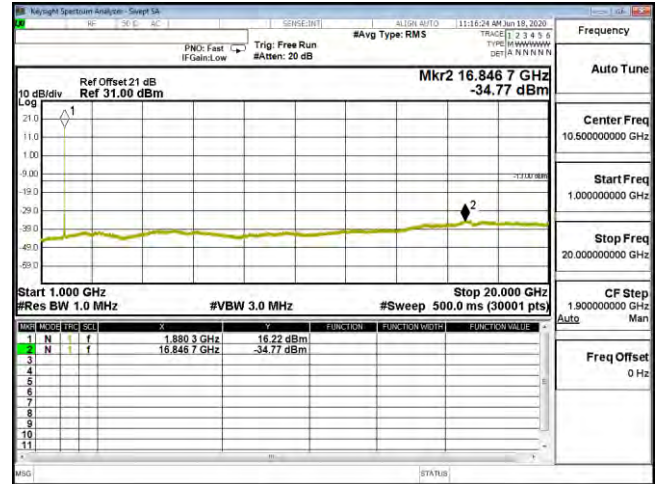
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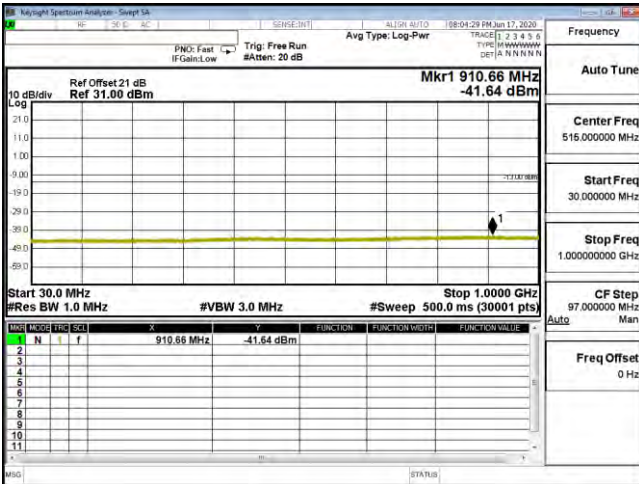
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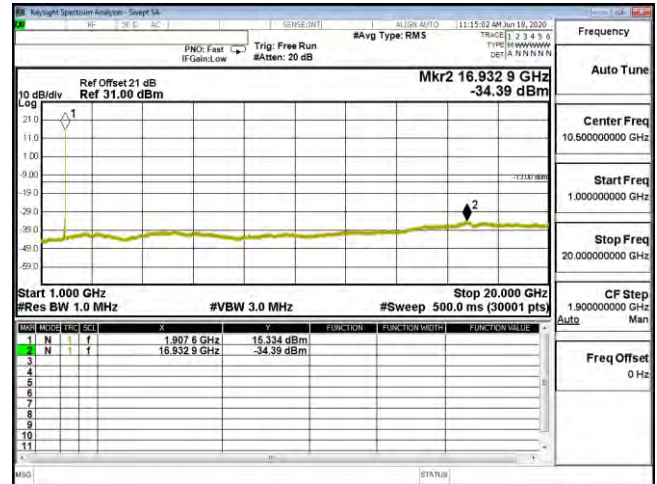
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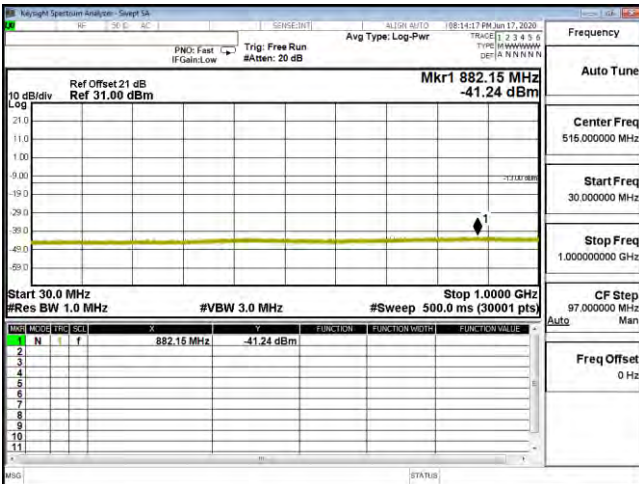
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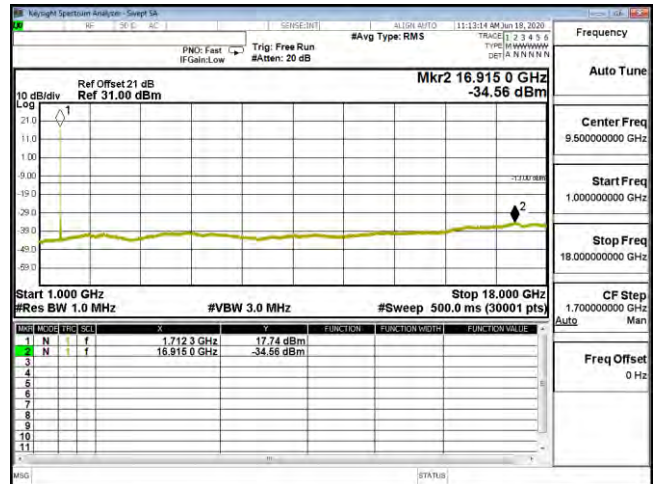
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CSE B2 CH9538 HSDPA 1G-20G



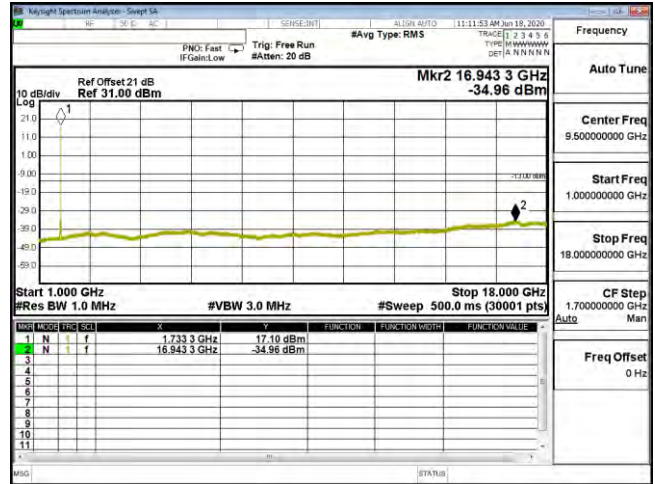
CSE B4 CH1312 HSDPA 30M-1G



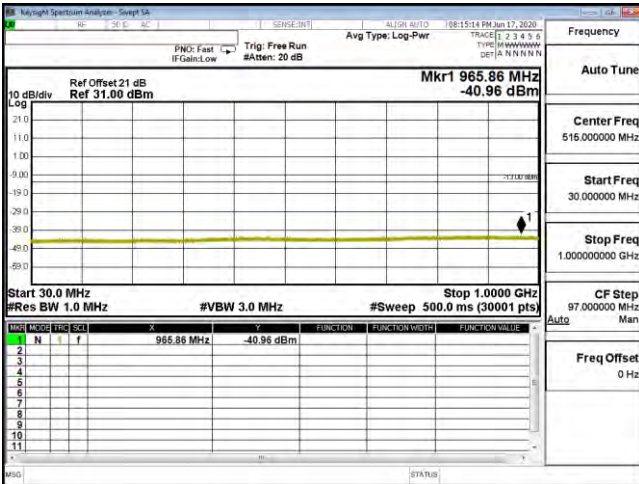
CSE B4 CH1312 HSDPA 1G-18G



CSE B4 CH1413 HSDPA 30M-1G



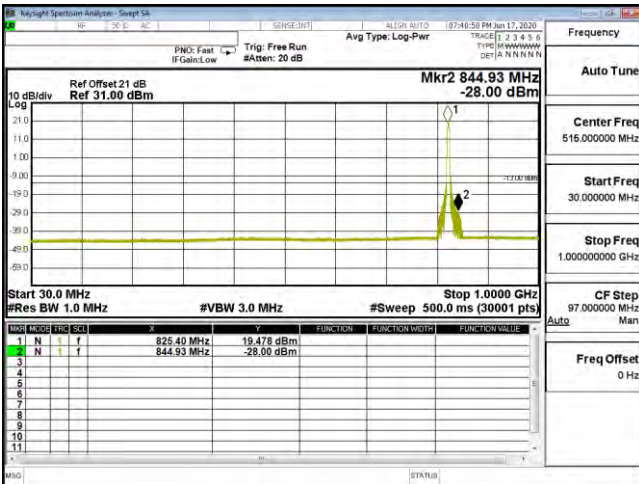
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CSE B4 CH1513 HSDPA 30M-1G



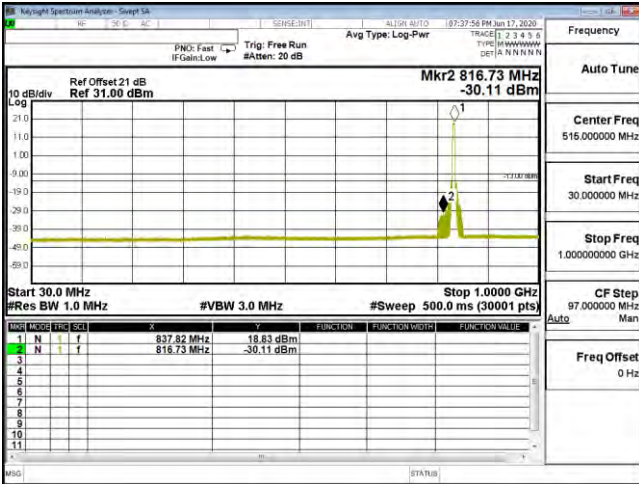
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CSE B5 CH4132 HSDPA 30M-1G



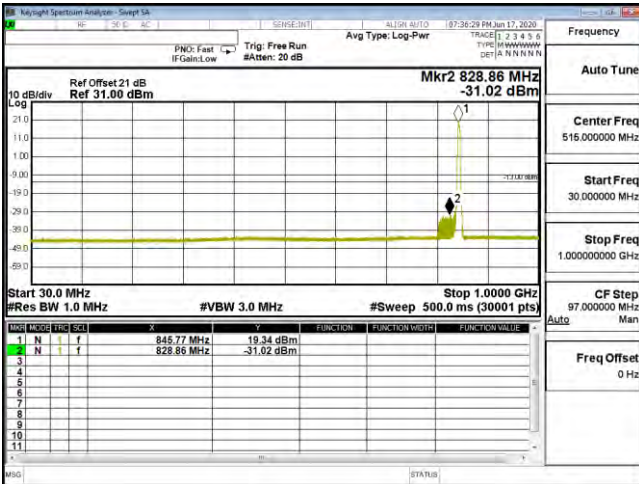
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CSE B5 CH4183 HSDPA 30M-1G



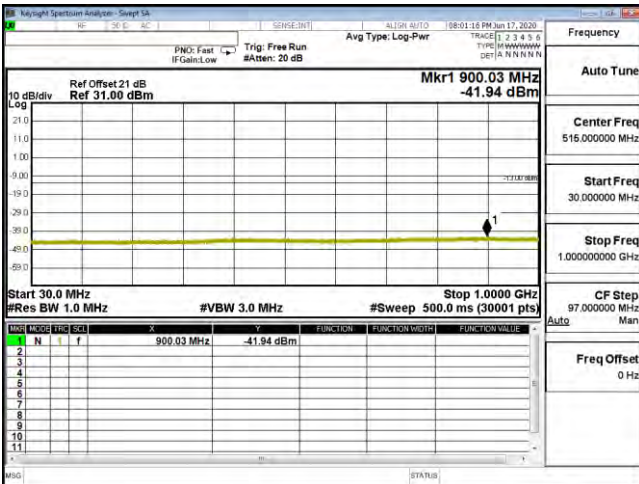
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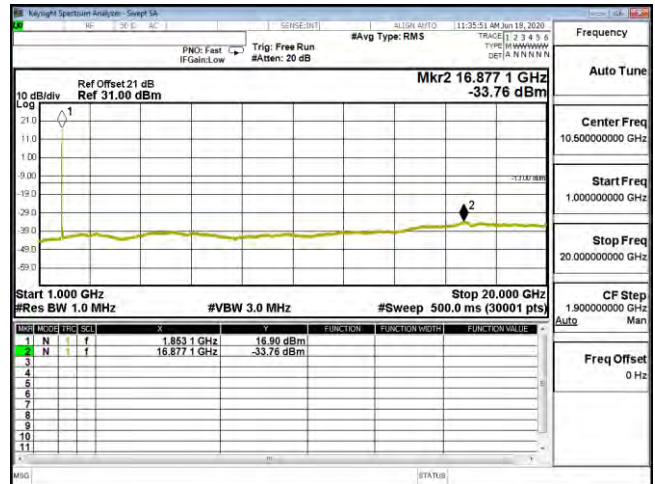
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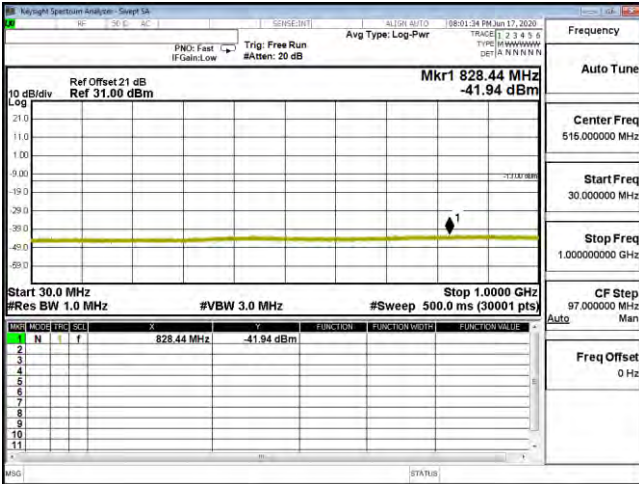
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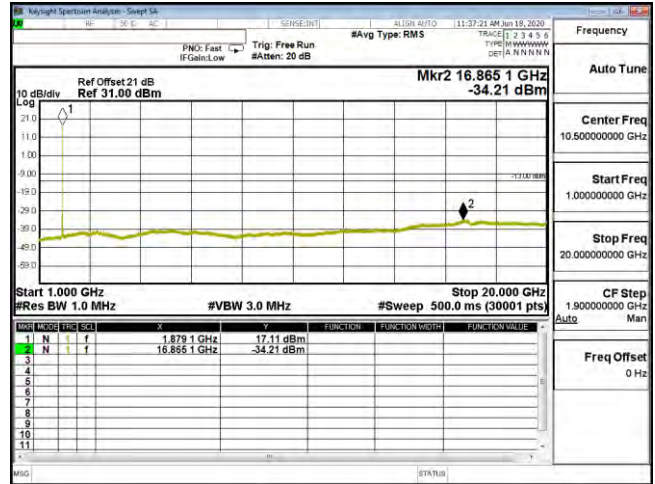
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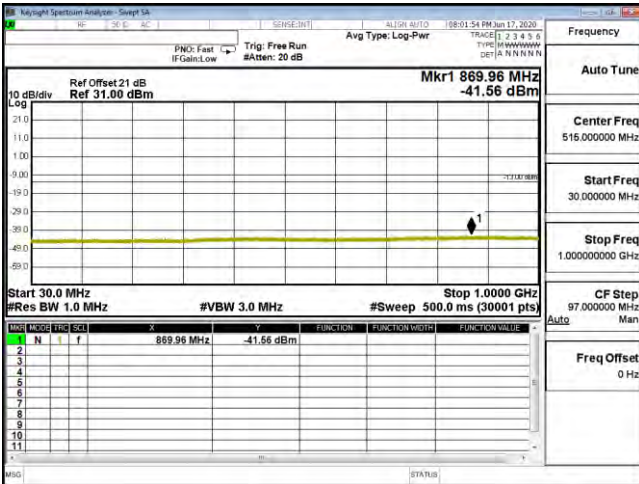
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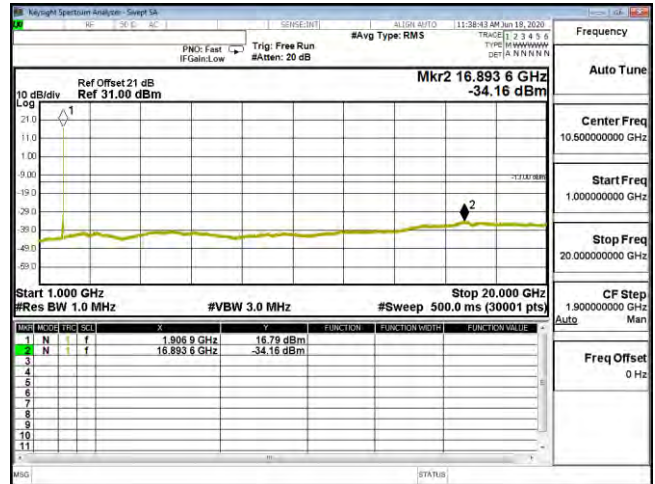
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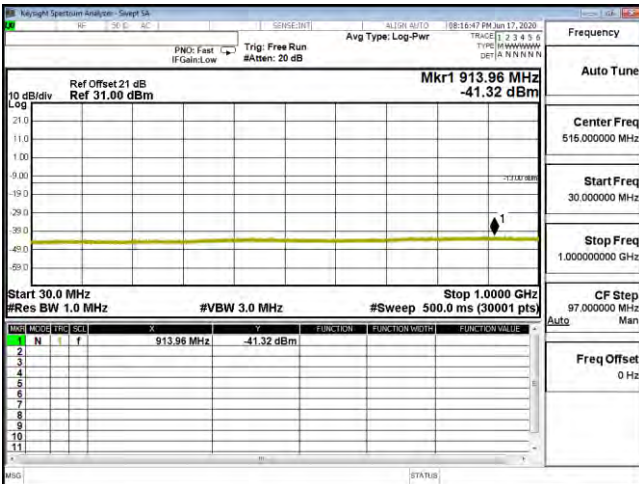
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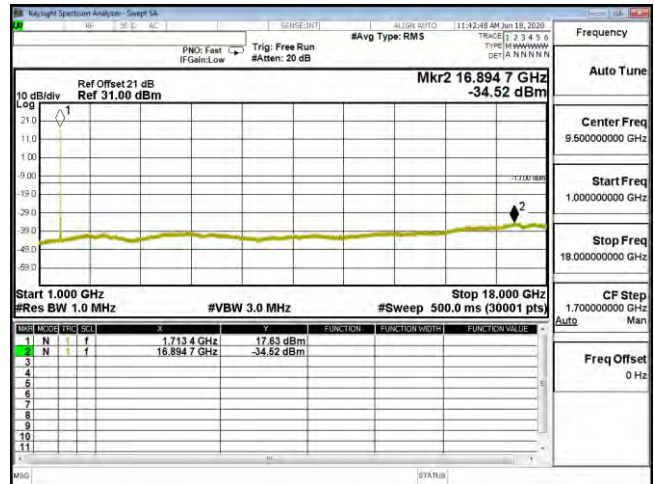
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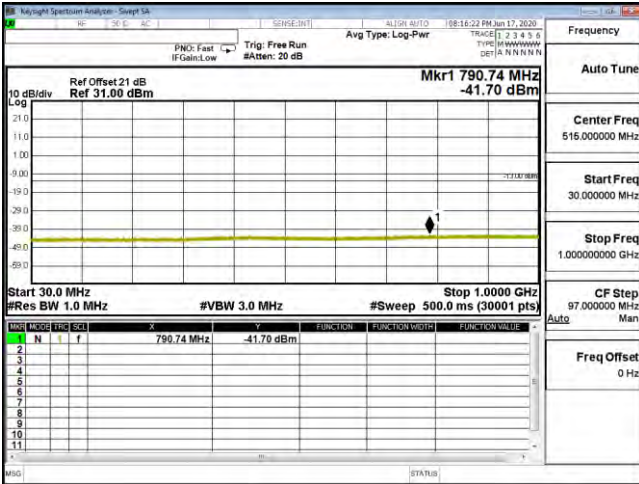
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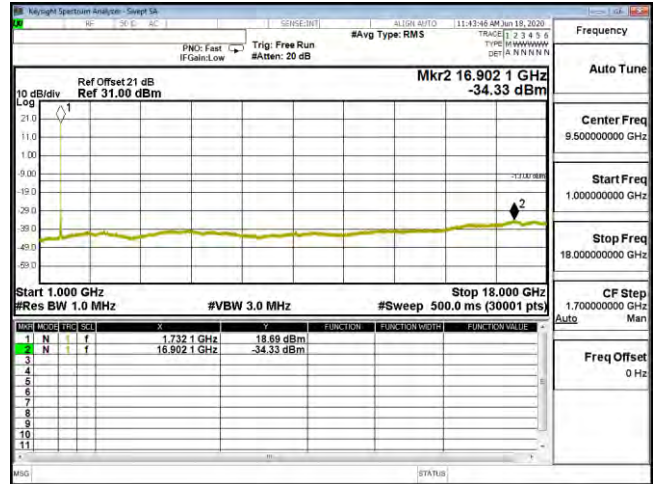
CSE B4 CH1312 HSUPA 30M-1G



CSE B4 CH1312 HSUPA 1G-18G



CSE B4 CH1413 HSUPA 30M-1G



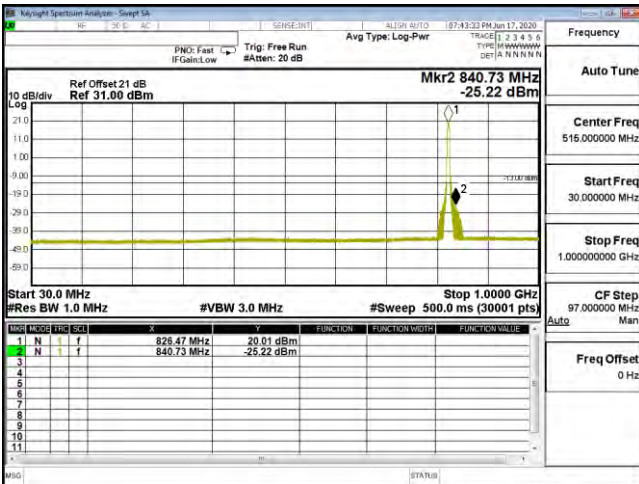
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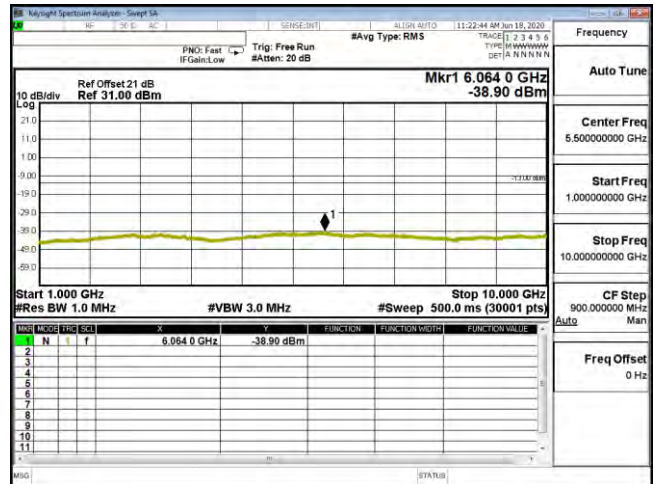
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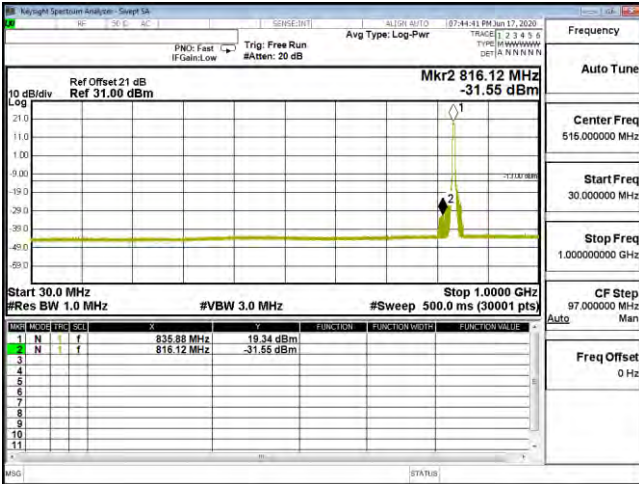
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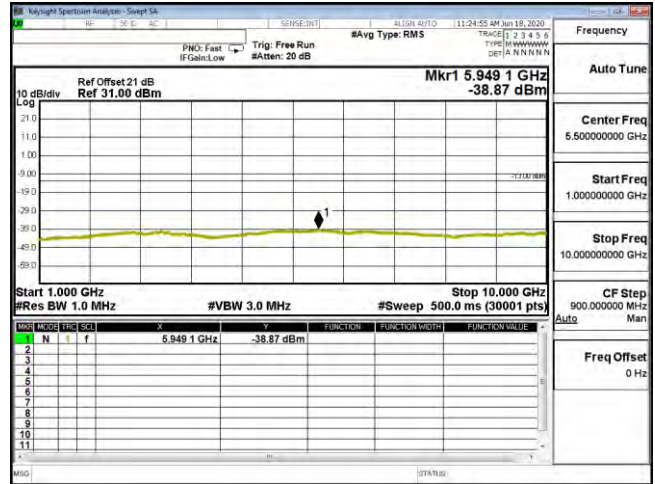
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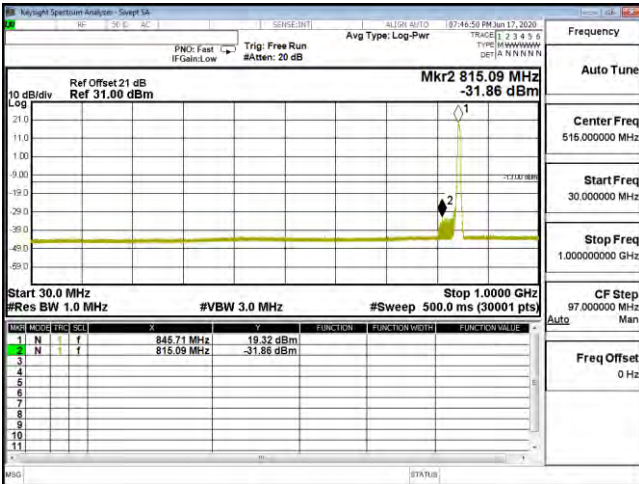
CSE B5 CH4132 HSUPA 1G-10G



CSE B5 CH4183 HSUPA 30M-1G



CSE B5 CH4183 HSUPA 1G-10G



CSE B5 CH4233 HSUPA 30M-1G



CSE B5 CH4233 HSUPA 1G-10G

Product	Mobile Computer		
Test Mode	Spurious Emission (Radiated) - Multi Band Dipole Antenna (STAF)		
Date of Test	2020/07/02	Test Site	OATS 3
Test Condition	2G 850 GPRS	Test Range	9kHz~10GHz

Polarity	CH	RB No.	RB Offset	Frequency	Reading Level	Signal Generator Level	Cable Loss	Antenna Gain	EIRP Value	Limit
				(GHz)	(dBm)	(dBm)	(dB)	(dBi)	(dBm)	(dBm)
Horizontal	Low	--	--	1648	-33.21	-50.38	1.63	9.8	-42.21	-13
Horizontal	Low	--	--	2473	-42.37	-56.84	2.10	10.6	-48.34	-13
Horizontal	Low	--	--	3297	-52.02	-65.61	2.35	12.3	-55.66	-13
Vertical	Low	--	--	1648	-38.45	-55.56	1.63	9.8	-47.39	-13
Vertical	Low	--	--	2473	-45.51	-59.23	2.10	10.6	-50.73	-13
Vertical	Low	--	--	3297	-52.31	-66.23	2.35	12.3	-56.28	-13

Horizontal	Mid	--	--	1673	-31.00	-47.96	1.63	9.8	-39.79	-13
Horizontal	Mid	--	--	2509	-39.77	-54.46	2.10	10.6	-45.96	-13
Horizontal	Mid	--	--	3346	-51.94	-65.59	2.35	12.3	-55.64	-13
Vertical	Mid	--	--	1673	-38.22	-54.96	1.63	9.8	-46.79	-13
Vertical	Mid	--	--	2509	-42.34	-56.38	2.10	10.6	-47.88	-13
Vertical	Mid	--	--	3346	-52.33	-66.19	2.35	12.3	-56.24	-13

Horizontal	High	--	--	1698	-30.89	-47.63	1.63	9.8	-39.46	-13
Horizontal	High	--	--	2546	-39.63	-54.16	2.10	10.6	-45.66	-13
Horizontal	High	--	--	3395	-51.01	-64.73	2.35	12.3	-54.78	-13
Vertical	High	--	--	1698	-33.07	-49.44	1.63	9.8	-41.27	-13
Vertical	High	--	--	2546	-44.51	-58.50	2.10	10.6	-50.00	-13
Vertical	High	--	--	3395	-51.73	-65.53	2.35	12.3	-55.58	-13

Note:

1. Receiver setting (Peak Detector) : RBW:1MHz; VBW:3MHz
2. EIRP Value = Signal Generator Level + Antenna Gain - Cable Loss
3. Spurious emissions past 4GHz are not shown, due to the magnitude of spurious emissions attenuated more than 20 dB below the limit.

Product	Mobile Computer		
Test Mode	Spurious Emission (Radiated) - Multi Band Dipole Antenna (STAF)		
Date of Test	2020/07/02	Test Site	OATS 3
Test Condition	2G 1900 GPRS	Test Range	9kHz~20GHz

Polarity	CH	RB No.	RB Offset	Frequency	Reading Level	Signal Generator Level	Cable Loss	Antenna Gain	EIRP Value	Limit
				(GHz)	(dBm)	(dBm)	(dB)	(dBi)	(dBm)	(dBm)
Horizontal	Low	--	--	3700	-48.07	-60.64	2.53	12.6	-50.57	-13
Horizontal	Low	--	--	5551	-51.06	-59.53	3.05	13.1	-49.48	-13
Horizontal	Low	--	--	7401	-58.02	-62.30	3.65	11.5	-54.45	-13
Vertical	Low	--	--	3700	-49.16	-62.04	2.53	12.6	-51.97	-13
Vertical	Low	--	--	5551	-48.25	-57.32	3.05	13.1	-47.27	-13
Vertical	Low	--	--	7401	-57.56	-61.81	3.65	11.5	-53.96	-13

Horizontal	Mid	--	--	3760	-49.04	-60.99	2.53	12.6	-50.92	-13
Horizontal	Mid	--	--	5640	-48.87	-57.01	3.05	13.1	-46.96	-13
Horizontal	Mid	--	--	7520	-57.05	-61.37	3.65	11.5	-53.52	-13
Vertical	Mid	--	--	3760	-49.21	-61.57	2.53	12.6	-51.50	-13
Vertical	Mid	--	--	5640	-44.79	-53.64	3.05	13.1	-43.59	-13
Vertical	Mid	--	--	7520	-56.84	-61.00	3.65	11.5	-53.15	-13

Horizontal	High	--	--	3820	-45.93	-57.42	2.53	12.6	-47.35	-13
Horizontal	High	--	--	5729	-48.59	-56.40	3.05	13.1	-46.35	-13
Horizontal	High	--	--	7639	-56.28	-60.71	3.65	11.5	-52.86	-13
Vertical	High	--	--	3820	-47.49	-59.66	2.53	12.6	-49.59	-13
Vertical	High	--	--	5729	-45.61	-53.70	3.05	13.1	-43.65	-13
Vertical	High	--	--	7639	-56.56	-60.99	3.65	11.5	-53.14	-13

Note:

1. Receiver setting (Peak Detector) : RBW:1MHz; VBW:3MHz
2. EIRP Value = Signal Generator Level + Antenna Gain - Cable Loss
3. Spurious emissions past 8GHz are not shown, due to the magnitude of spurious emissions attenuated more than 20 dB below the limit.

Product	Mobile Computer		
Test Mode	Spurious Emission (Radiated) - Multi Band Dipole Antenna (STAF)		
Date of Test	2020/07/02	Test Site	OATS 3
Test Condition	WCDMA BAND 2	Test Range	9kHz~20GHz

Polarity	CH	RB No.	RB Offset	Frequency	Reading Level	Signal Generator Level	Cable Loss	Antenna Gain	EIRP Value	Limit
				(GHz)	(dBm)	(dBm)	(dB)	(dBi)	(dBm)	(dBm)
Horizontal	Low	--	--	3705	-53.97	-52.82	2.53	12.6	-42.75	-13
Horizontal	Low	--	--	5557	-53.13	-47.00	3.05	13.1	-36.95	-13
Horizontal	Low	--	--	7410	-55.44	-40.01	3.65	11.5	-32.16	-13
Vertical	Low	--	--	3705	-53.74	-52.59	2.53	12.6	-42.52	-13
Vertical	Low	--	--	5557	-53.74	-47.61	3.05	13.1	-37.56	-13
Vertical	Low	--	--	7410	-57.18	-41.93	3.65	11.5	-34.08	-13

Horizontal	Mid	--	--	3760	-54.41	-66.36	2.53	12.6	-56.29	-13
Horizontal	Mid	--	--	5640	-53.80	-61.95	3.05	13.1	-51.90	-13
Horizontal	Mid	--	--	7520	-54.16	-58.48	3.65	11.5	-50.63	-13
Vertical	Mid	--	--	3760	-52.30	-64.67	2.53	12.6	-54.60	-13
Vertical	Mid	--	--	5640	-52.94	-61.77	3.05	13.1	-51.72	-13
Vertical	Mid	--	--	7520	-54.53	-58.67	3.65	11.5	-50.82	-13

Horizontal	High	--	--	3815	-53.32	-64.82	2.53	12.6	-54.75	-13
Horizontal	High	--	--	5723	-52.54	-60.34	3.05	13.1	-50.29	-13
Horizontal	High	--	--	7630	-54.17	-58.52	3.65	11.5	-50.67	-13
Vertical	High	--	--	3815	-54.32	-66.45	2.53	12.6	-56.38	-13
Vertical	High	--	--	5723	-53.26	-61.34	3.05	13.1	-51.29	-13
Vertical	High	--	--	7630	-52.58	-57.01	3.65	11.5	-49.16	-13

Note:

1. Receiver setting (Peak Detector) : RBW:1MHz; VBW:3MHz
2. EIRP Value = Signal Generator Level + Antenna Gain - Cable Loss
3. Spurious emissions past 8GHz are not shown, due to the magnitude of spurious emissions attenuated more than 20 dB below the limit.

Product	Mobile Computer		
Test Mode	Spurious Emission (Radiated) - Multi Band Dipole Antenna (STAF)		
Date of Test	2020/07/02	Test Site	OATS 3
Test Condition	WCDMA BAND 4	Test Range	9kHz~20GHz

Polarity	CH	RB No.	RB Offset	Frequency	Reading Level	Signal Generator Level	Cable Loss	Antenna Gain	EIRP Value	Limit
				(GHz)	(dBm)	(dBm)	(dB)	(dBi)	(dBm)	(dBm)
Horizontal	Low	--	--	3425	-52.89	-66.41	2.53	12.6	-56.34	-13
Horizontal	Low	--	--	5137	-51.66	-60.35	3.05	13.1	-50.30	-13
Horizontal	Low	--	--	6850	-55.60	-59.78	3.65	11.5	-51.93	-13
Vertical	Low	--	--	3425	-52.23	-65.97	2.53	12.6	-55.90	-13
Vertical	Low	--	--	5137	-52.04	-61.39	3.05	13.1	-51.34	-13
Vertical	Low	--	--	6850	-57.08	-61.53	3.65	11.5	-53.68	-13

Horizontal	Mid	--	--	3465	-52.82	-65.80	2.53	12.6	-55.73	-13
Horizontal	Mid	--	--	5198	-50.25	-58.96	3.05	13.1	-48.91	-13
Horizontal	Mid	--	--	6930	-55.81	-60.12	3.65	11.5	-52.27	-13
Vertical	Mid	--	--	3465	-53.56	-67.03	2.53	12.6	-56.96	-13
Vertical	Mid	--	--	5198	-52.07	-61.17	3.05	13.1	-51.12	-13
Vertical	Mid	--	--	6930	-56.03	-60.58	3.65	11.5	-52.73	-13

Horizontal	High	--	--	3505	-51.01	-63.48	2.53	12.6	-53.41	-13
Horizontal	High	--	--	5258	-54.29	-62.74	3.05	13.1	-52.69	-13
Horizontal	High	--	--	7010	-57.01	-61.55	3.65	11.5	-53.70	-13
Vertical	High	--	--	3505	-53.77	-66.92	2.53	12.6	-56.85	-13
Vertical	High	--	--	5258	-55.85	-65.22	3.05	13.1	-55.17	-13
Vertical	High	--	--	7010	-56.17	-60.75	3.65	11.5	-52.90	-13

Note:

1. Receiver setting (Peak Detector) : RBW:1MHz; VBW:3MHz
2. EIRP Value = Signal Generator Level + Antenna Gain - Cable Loss
3. Spurious emissions past 8GHz are not shown, due to the magnitude of spurious emissions attenuated more than 20 dB below the limit.

Product	Mobile Computer		
Test Mode	Spurious Emission (Radiated) - Multi Band Dipole Antenna (STAF)		
Date of Test	2020/07/02	Test Site	OATS 3
Test Condition	WCDMA BAND 5	Test Range	9kHz~10GHz

Polarity	CH	RB No.	RB Offset	Frequency (GHz)	Reading Level (dBm)	Signal Generator Level (dBm)	Cable Loss (dB)	Antenna	EIRP Value (dBm)	Limit (dBm)
								Gain (dBi)		
Horizontal	Low	--	--	1653	-37.83	-54.95	1.63	9.8	-46.78	-13
Horizontal	Low	--	--	2479	-52.94	-67.47	2.10	10.6	-58.97	-13
Horizontal	Low	--	--	3306	-51.80	-65.40	2.35	12.3	-55.45	-13
Vertical	Low	--	--	1653	-41.29	-58.31	1.63	9.8	-50.14	-13
Vertical	Low	--	--	2479	-52.90	-66.70	2.10	10.6	-58.20	-13
Vertical	Low	--	--	3306	-52.46	-66.36	2.35	12.3	-56.41	-13

Horizontal	Mid	--	--	1673	-41.62	-58.55	1.63	9.8	-50.38	-13
Horizontal	Mid	--	--	2510	-53.04	-67.73	2.10	10.6	-59.23	-13
Horizontal	Mid	--	--	3346	-52.14	-65.80	2.35	12.3	-55.85	-13
Vertical	Mid	--	--	1673	-43.83	-60.54	1.63	9.8	-52.37	-13
Vertical	Mid	--	--	2510	-52.51	-66.55	2.10	10.6	-58.05	-13
Vertical	Mid	--	--	3346	-52.92	-66.77	2.35	12.3	-56.82	-13

Horizontal	High	--	--	1693	-41.24	-58.04	1.63	9.8	-49.87	-13
Horizontal	High	--	--	2540	-52.26	-66.82	2.10	10.6	-58.32	-13
Horizontal	High	--	--	3386	-52.47	-66.18	2.35	12.3	-56.23	-13
Vertical	High	--	--	1693	-44.88	-61.28	1.63	9.8	-53.11	-13
Vertical	High	--	--	2540	-52.57	-66.57	2.10	10.6	-58.07	-13
Vertical	High	--	--	3386	-52.75	-66.56	2.35	12.3	-56.61	-13

Note:

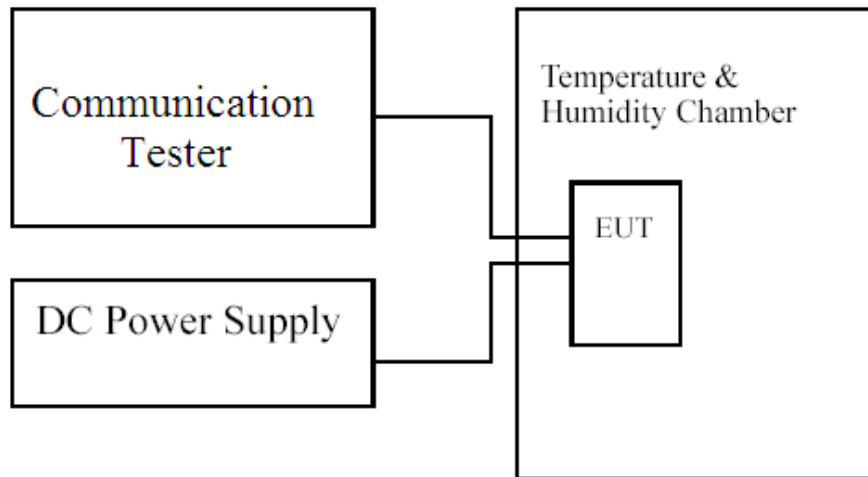
1. Receiver setting (Peak Detector) : RBW:1MHz; VBW:3MHz
2. EIRP Value = Signal Generator Level + Antenna Gain - Cable Loss
3. Spurious emissions past 4GHz are not shown, due to the magnitude of spurious emissions attenuated more than 20 dB below the limit.

7. Frequency Stability Under Temperature & Voltage Variations

7.1. Test Specification

According to Part 2.1055, 22.355, 24.235, 27.54.

7.2. Test Setup



7.3. Limits

Limit	$\leq \pm 2.5 \text{ ppm}$
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7.4. Test Procedure

The frequency stability of transmitter is measured by:

- (a) Temperature: The temperature is varied from -30°C to 50°C in 10°C increment using a standard temperature & Humidity chamber.
- (b) Primary Supply Voltage: The primary supply voltage is varied 85% to 115% of the nominal value for non hand-carried equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating endpoint which shall be specified by the manufacturer.

The EUT was connected via the base station simulator. Universal Radio Communication Tester, was used to measure The Frequency Error. The maximum result of measurements was recorded.

7.5. Test Result of Frequency Stability Under Temperature Variations

Product	Mobile Computer		
Test Mode	Frequency Stability Under Temperature Variations & Voltage Variations		
Date of Test	2020/08/05	Test Site	CTR
Test Condition	GSM 850	Test Range	-30°C~+50°C

Frequency Stability Under Temperature Variations

Temperature Interval(°C)	Test Channel	Deviation (kHz)			Limit (kHz)
		VOICE	GPRS	EGPRS	
-30	Mid	0.026	0.029	0.021	±2.09
-20	Mid	0.020	0.028	0.020	±2.09
-10	Mid	0.016	0.029	0.021	±2.09
0	Mid	0.016	0.031	0.025	±2.09
10	Mid	0.012	0.031	0.024	±2.09
20	Mid	0.016	0.030	0.022	±2.09
30	Mid	0.012	0.027	0.030	±2.09
40	Mid	0.011	0.028	0.023	±2.09
50	Mid	0.010	0.028	0.026	±2.09

Voltage Variations

DC Voltage (V)	Test Channel	Deviation (kHz)			Limit (kHz)
		VOICE	GPRS	EGPRS	
4.4	Mid	0.016	0.026	0.022	±2.09
3.8	Mid	0.016	0.030	0.022	±2.09
3.6	Mid	0.013	0.029	0.026	±2.09

DC Current (A)	VOICE	GPRS	EGPRS
LINK	0.85	0.78	0.63
IDLE	0.46	0.49	0.48

Product	Mobile Computer		
Test Mode	Frequency Stability Under Temperature Variations & Voltage Variations		
Date of Test	2020/08/05	Test Site	CTR
Test Condition	PCS 1900	Test Range	-30°C~+50°C

Frequency Stability Under Temperature Variations

Temperature Interval(°C)	Test Channel	Deviation (kHz)			Limit (kHz)
		VOICE	GPRS	EGPRS	
-30	Mid	0.016	0.029	0.018	±4.77
-20	Mid	0.017	0.027	0.024	±4.77
-10	Mid	0.021	0.026	0.021	±4.77
0	Mid	0.015	0.079	0.031	±4.77
10	Mid	-0.018	0.034	0.026	±4.77
20	Mid	-0.020	0.022	0.020	±4.77
30	Mid	-0.014	0.047	0.033	±4.77
40	Mid	-0.018	0.050	0.038	±4.77
50	Mid	-0.012	0.028	0.024	±4.77

Voltage Variations

DC Voltage (V)	Test Channel	Deviation (kHz)			Limit (kHz)
		VOICE	GPRS	EGPRS	
4.4	Mid	-0.018	0.021	0.018	±4.77
3.8	Mid	-0.020	0.022	0.020	±4.77
3.6	Mid	-0.018	0.024	0.019	±4.77

DC Current (A)	VOICE	GPRS	EGPRS
LINK	0.82	0.66	0.62
IDLE	0.35	0.43	0.44

Product	Mobile Computer		
Test Mode	Frequency Stability Under Temperature Variations & Voltage Variations		
Date of Test	2020/08/05	Test Site	CTR
Test Condition	WCDMA BAND 2	Test Range	0°C~+35°C

Frequency Stability Under Temperature Variations

Temperature Interval(°C)	Test Channel	Deviation (kHz)				Limit (kHz)
		VOICE	RMC	HSDPA	HSUPA	
-30	Mid	-0.005	-0.005	-0.013	-0.006	±4.71
-20	Mid	-0.007	-0.004	-0.006	-0.010	±4.71
-10	Mid	-0.008	-0.010	-0.007	-0.008	±4.71
0	Mid	-0.007	-0.004	-0.009	-0.007	±4.71
10	Mid	-0.011	-0.006	-0.008	-0.007	±4.71
20	Mid	-0.006	-0.005	-0.006	-0.004	±4.71
30	Mid	-0.009	-0.003	-0.005	0.008	±4.71
40	Mid	-0.013	-0.005	-0.006	-0.005	±4.71
50	Mid	-0.006	-0.005	-0.005	-0.007	±4.71

Voltage Variations

DC Voltage (V)	Test Channel	Deviation (kHz)				Limit (kHz)
		VOICE	RMC	HSDPA	HSUPA	
4.4	Mid	-0.017	-0.006	-0.005	-0.007	±4.71
3.8	Mid	-0.006	-0.005	-0.006	-0.004	±4.71
3.6	Mid	-0.006	-0.005	-0.008	-0.005	±4.71

DC Current (A)	VOICE	RMC	HSDPA	HSUPA
LINK	1.30	1.28	1.16	1.13
IDLE	0.42	0.43	0.41	0.43

Product	Mobile Computer		
Test Mode	Frequency Stability Under Temperature Variations & Voltage Variations		
Date of Test	2020/08/05	Test Site	CTR
Test Condition	WCDMA BAND 4	Test Range	0°C~+35°C

Frequency Stability Under Temperature Variations

Temperature Interval(°C)	Test Channel	Deviation (kHz)				Limit (kHz)
		VOICE	RMC	HSDPA	HSUPA	
-30	Mid	-0.005	-0.005	0.010	0.004	±4.33
-20	Mid	-0.004	0.006	-0.004	0.005	±4.33
-10	Mid	-0.005	-0.004	-0.004	-0.007	±4.33
0	Mid	-0.005	-0.005	0.004	0.006	±4.33
10	Mid	-0.010	-0.004	0.003	0.007	±4.33
20	Mid	-0.013	-0.005	-0.004	-0.004	±4.33
30	Mid	-0.004	-0.003	-0.008	-0.003	±4.33
40	Mid	-0.010	-0.004	-0.009	-0.004	±4.33
50	Mid	-0.005	-0.005	-0.008	-0.004	±4.33

Voltage Variations

DC Voltage (V)	Test Channel	Deviation (kHz)				Limit (kHz)
		VOICE	RMC	HSDPA	HSUPA	
4.4	Mid	-0.005	-0.004	-0.005	-0.007	±4.33
3.8	Mid	-0.013	-0.005	-0.004	-0.004	±4.33
3.6	Mid	0.014	-0.004	-0.008	-0.007	±4.33

DC Current (A)	VOICE	RMC	HSDPA	HSUPA
LINK	1.16	1.18	1.01	0.98
IDLE	0.41	0.42	0.41	0.43

Product	Mobile Computer		
Test Mode	Frequency Stability Under Temperature Variations & Voltage Variations		
Date of Test	2020/08/05	Test Site	CTR
Test Condition	WCDMA BAND 5	Test Range	0°C~+35°C

Frequency Stability Under Temperature Variations

Temperature Interval(°C)	Test Channel	Deviation (kHz)				Limit (kHz)
		VOICE	RMC	HSDPA	HSUPA	
-30	Mid	-0.005	0.004	0.007	0.006	±2.09
-20	Mid	-0.005	0.005	0.006	-0.004	±2.09
-10	Mid	-0.006	-0.006	0.007	0.008	±2.09
0	Mid	0.003	0.004	-0.003	-0.004	±2.09
10	Mid	0.004	0.003	-0.008	-0.006	±2.09
20	Mid	0.004	-0.004	0.003	0.004	±2.09
30	Mid	0.004	0.006	0.008	0.005	±2.09
40	Mid	0.005	0.004	-0.005	0.005	±2.09
50	Mid	0.004	0.003	0.005	-0.005	±2.09

Voltage Variations

DC Voltage (V)	Test Channel	Deviation (kHz)				Limit (kHz)
		VOICE	RMC	HSDPA	HSUPA	
4.4	Mid	0.004	0.005	-0.004	-0.007	±2.09
3.8	Mid	0.004	-0.004	0.003	0.004	±2.09
3.6	Mid	0.003	0.004	0.005	0.004	±2.09

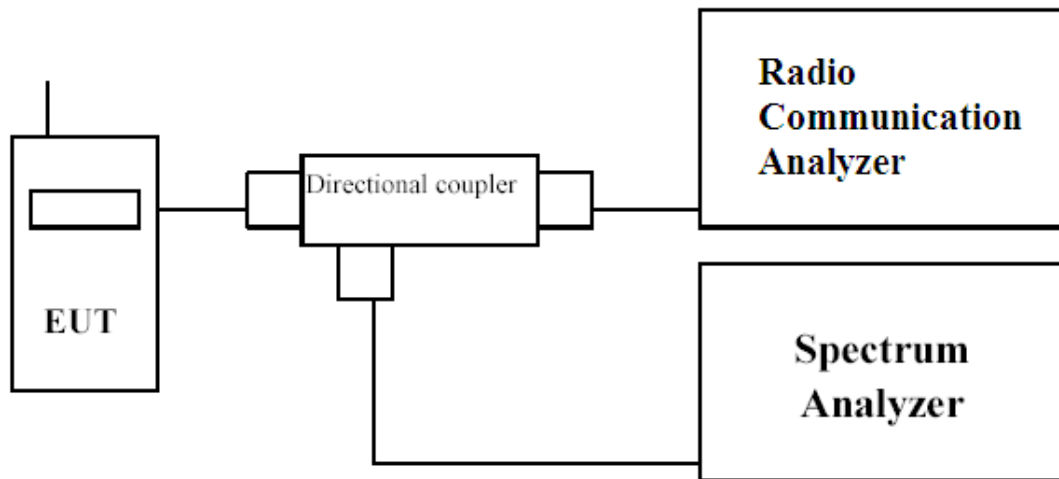
DC Current (A)	VOICE	RMC	HSDPA	HSUPA
LINK	1.24	1.21	1.19	1.17
IDLE	0.43	0.44	0.42	0.41

8. Peak to Average Ratio

8.1 Test Specification

According to Part 22.913, 24.232, 27.50.

8.2 Test Setup



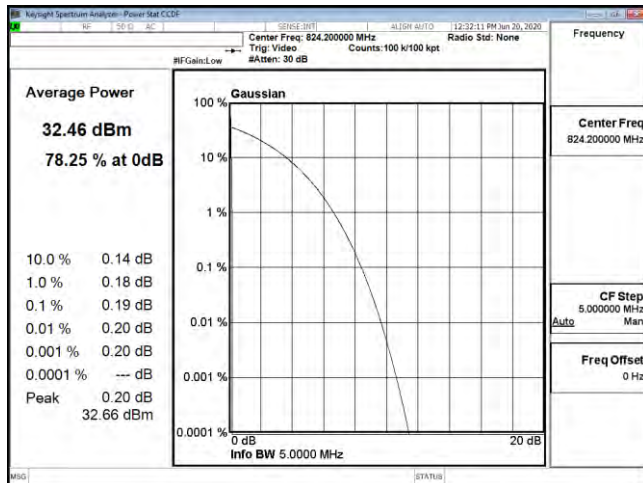
8.3 Limits

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure.

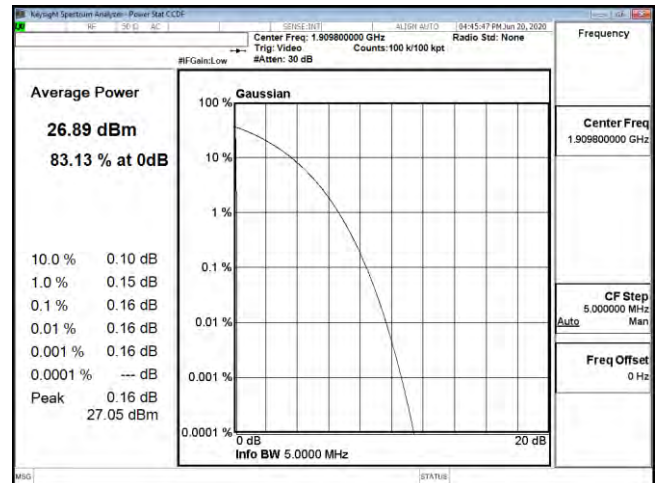
8.4 Test Procedure

- a) Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
- b) Set resolution/measurement bandwidth \geq signal's occupied bandwidth;
- c) Set the number of counts to a value that stabilizes the measured CCDF curve;
- d) Set the measurement interval as follows:
 - 1) for continuous transmissions, set to 1 ms,
 - 2) for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.
- e) Record the maximum PAPR level associated with a probability of 0.1%.

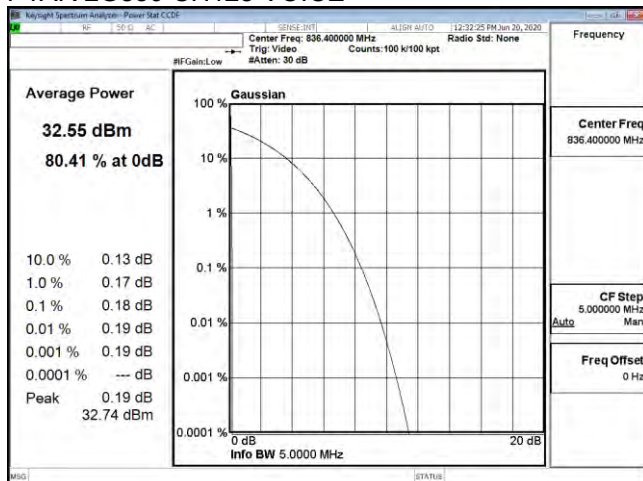
Product	Mobile Computer		
Test Mode	Peak to Average Ratio		
Date of Test	2020/08/05	Test Site	CTR
Test Condition	GSM 850 / PCS 1900 WCDMA Band2/4/5		



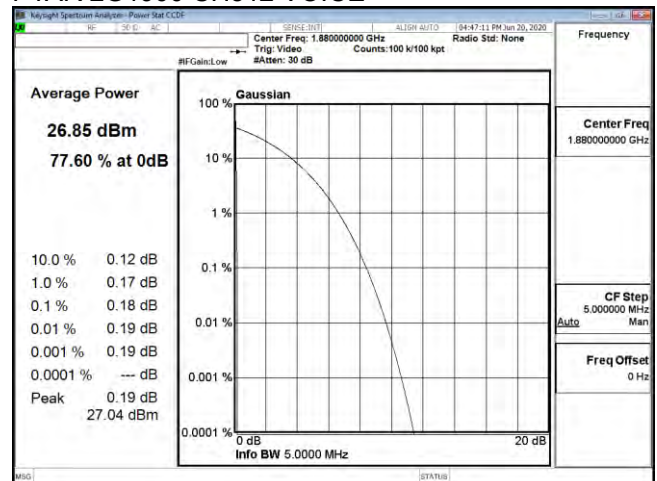
PTAR 2G850 CH128 VOICE



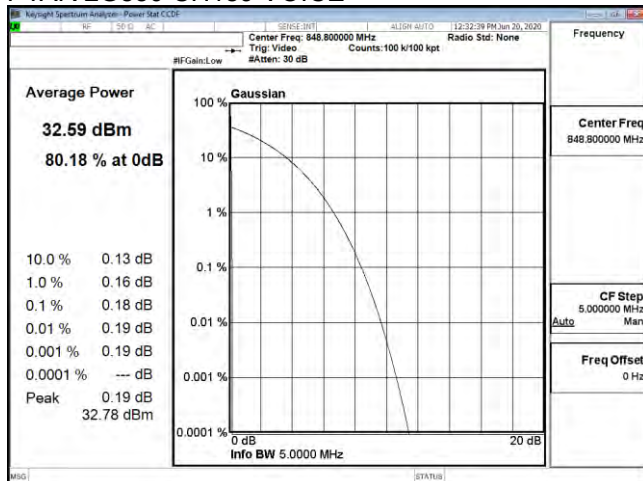
PTAR 2G1900 CH512 VOICE



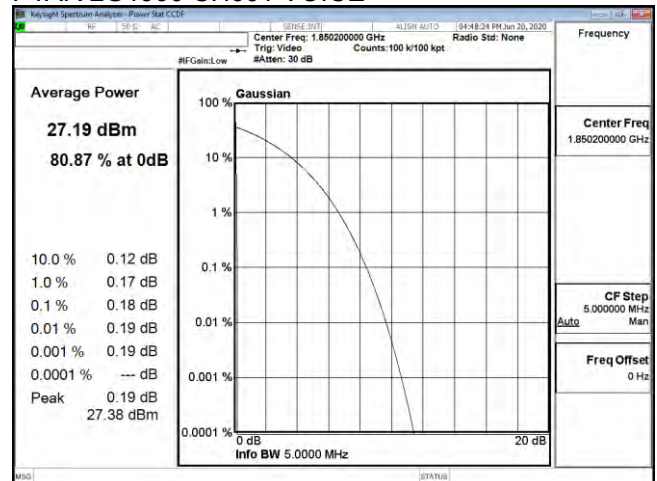
PTAR 2G850 CH189 VOICE



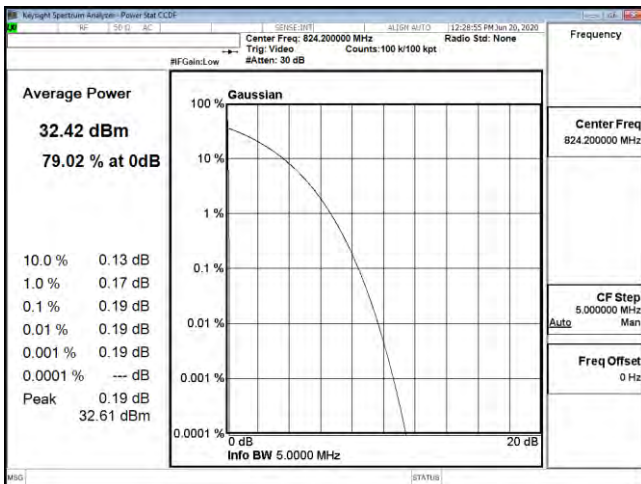
PTAR 2G1900 CH661 VOICE



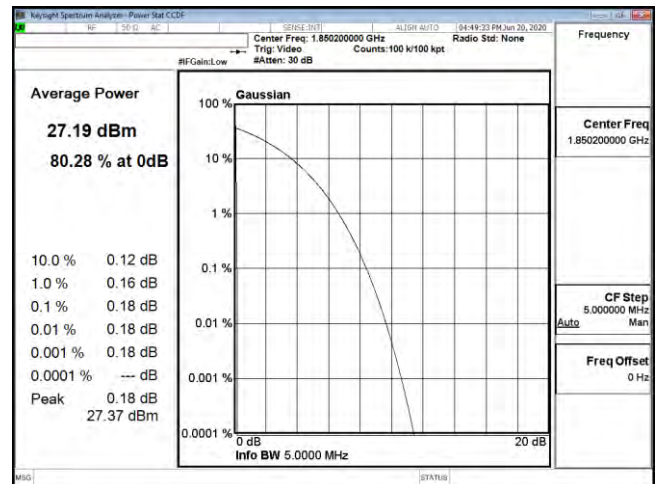
PTAR 2G850 CH251 VOICE



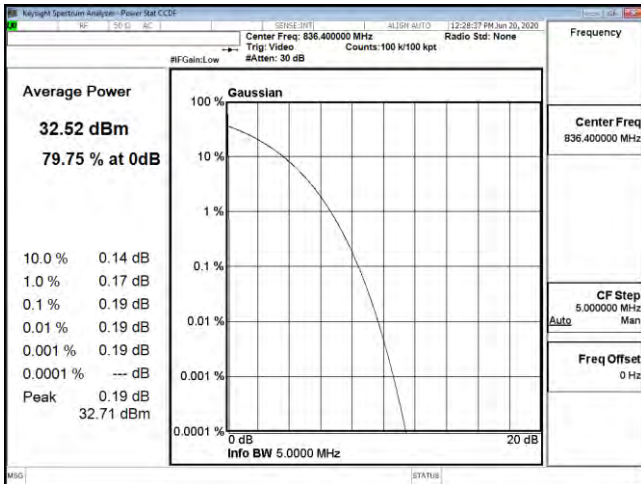
PTAR 2G1900 CH810 VOICE



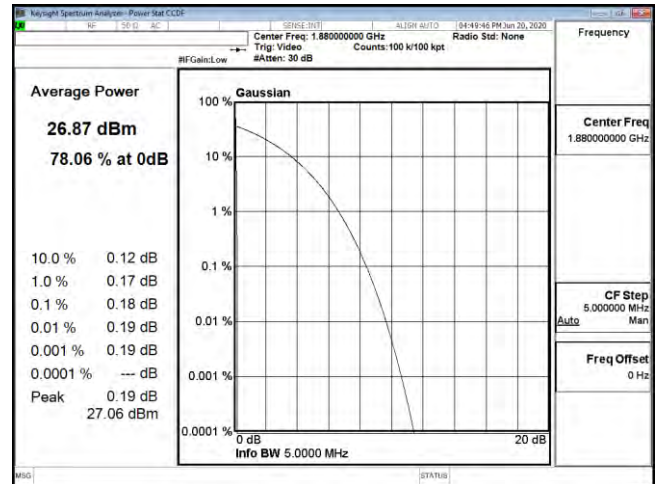
PTAR 2G850 CH128 GPRS



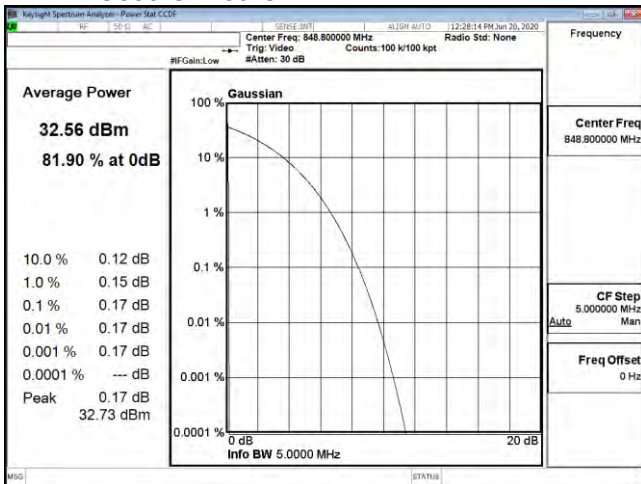
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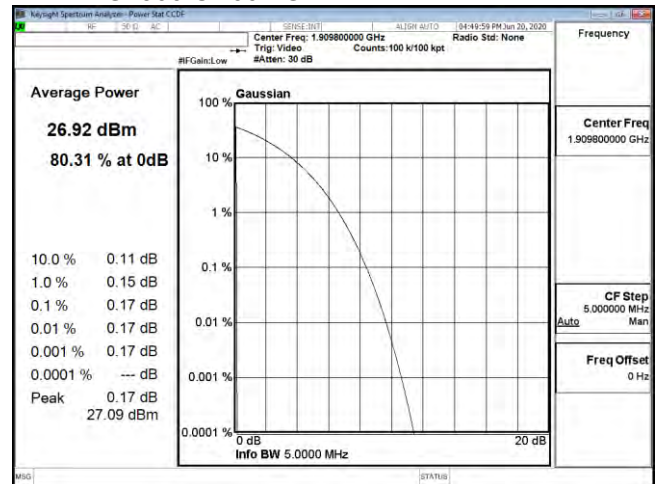
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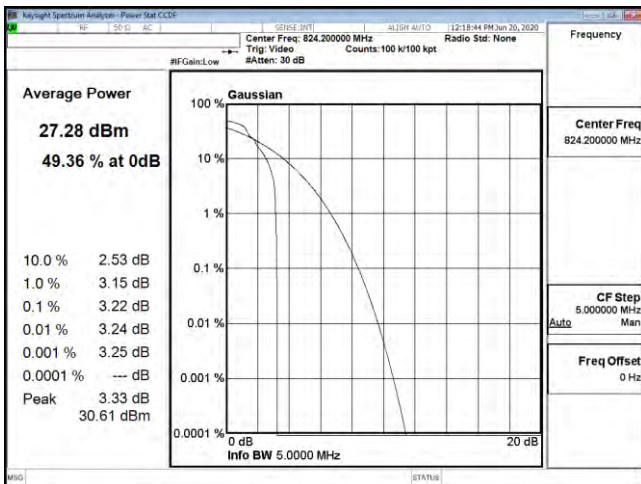
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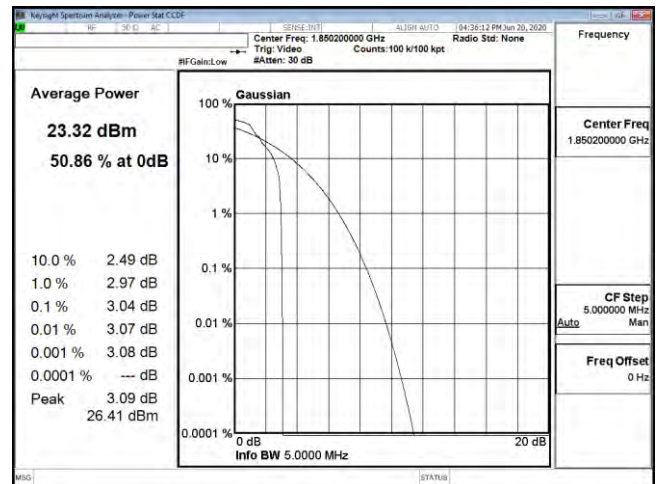
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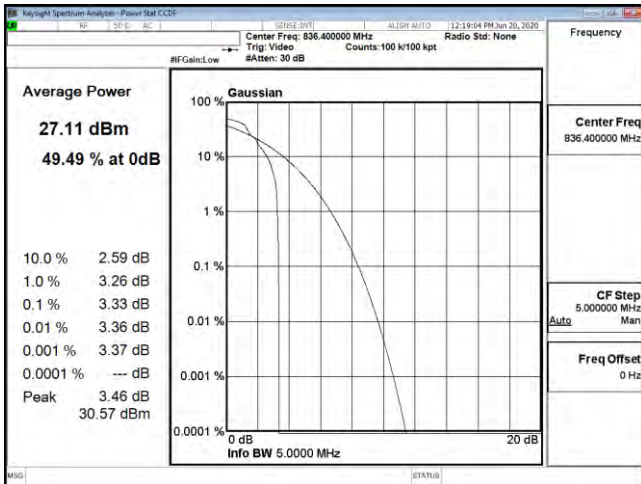
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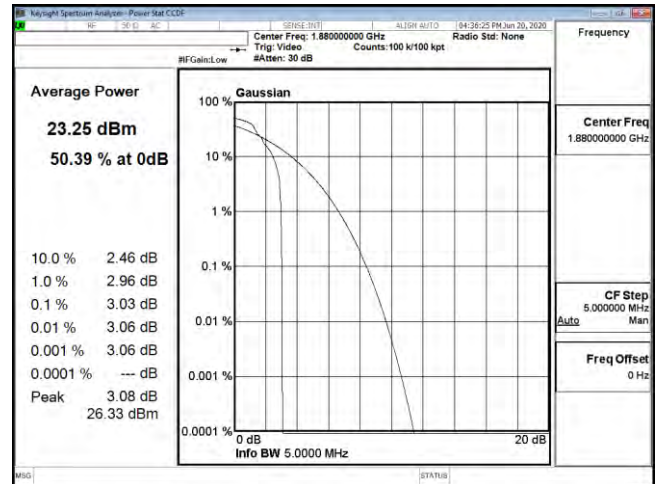
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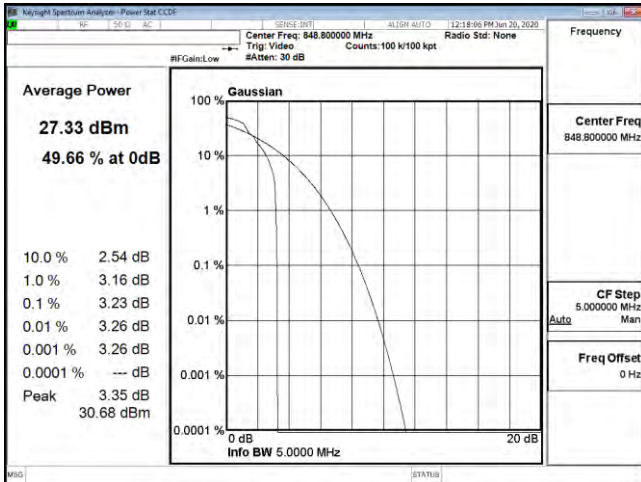
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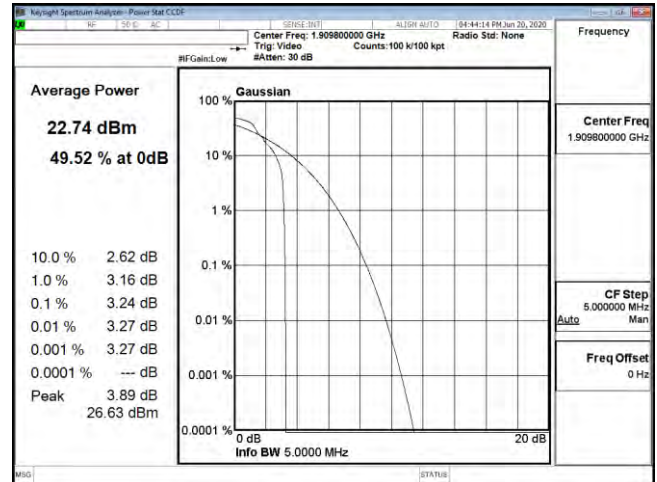
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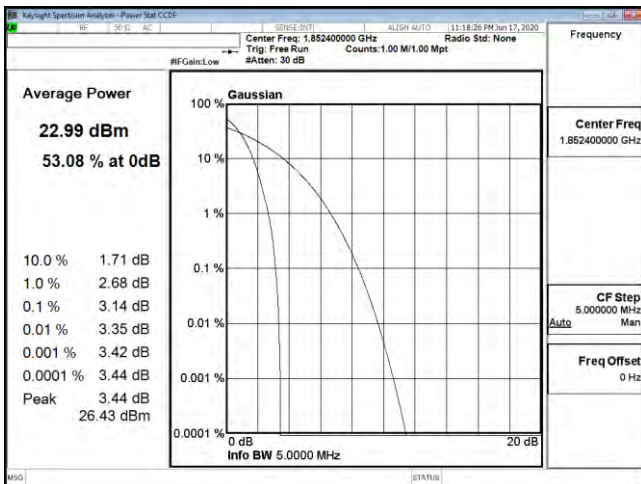
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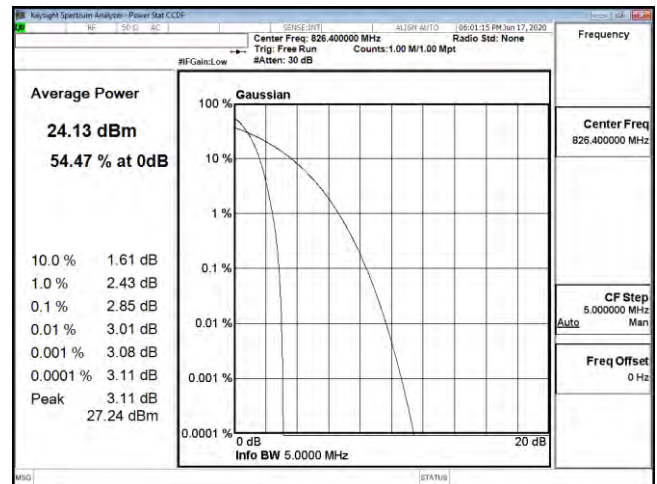
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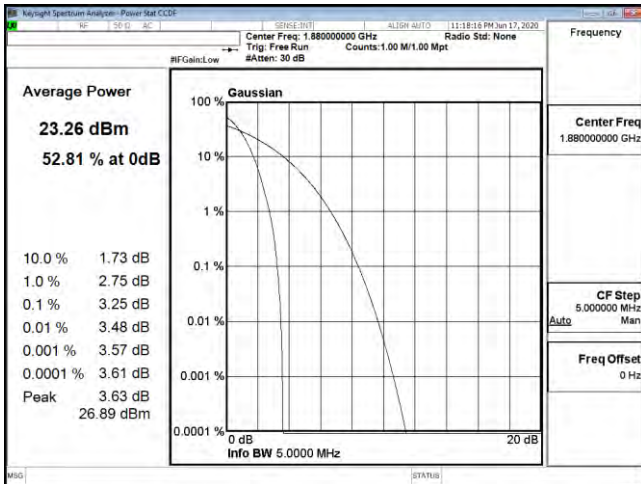
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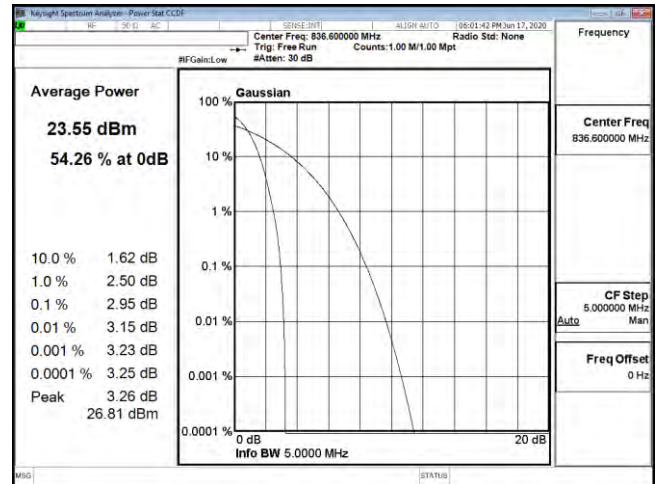
PTAR B2 CH9262 VOICE



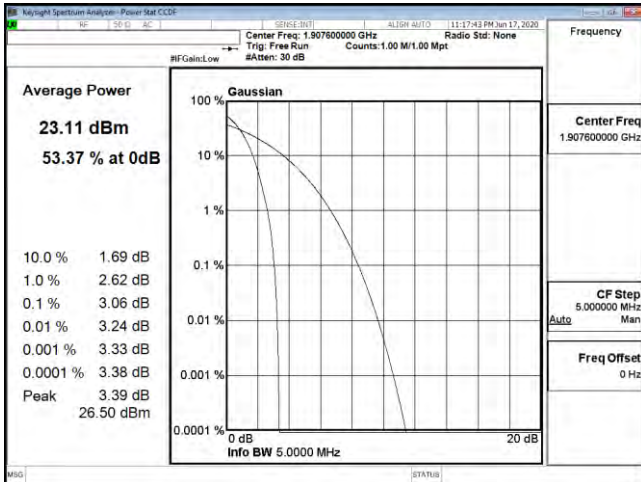
PTAR B5 CH4132 VOICE



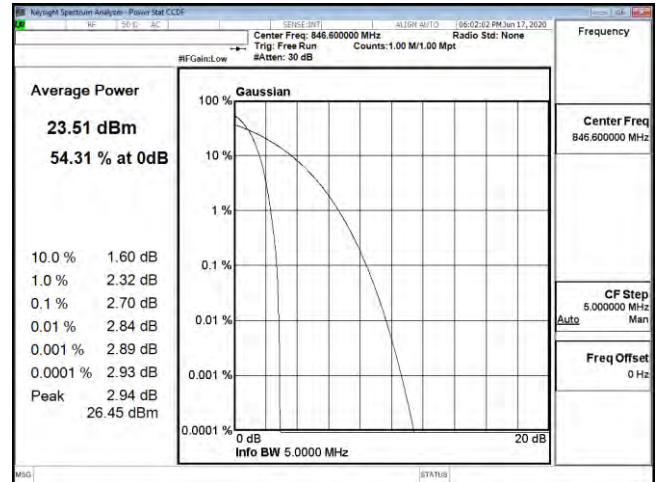
PTAR B2 CH9400 VOICE



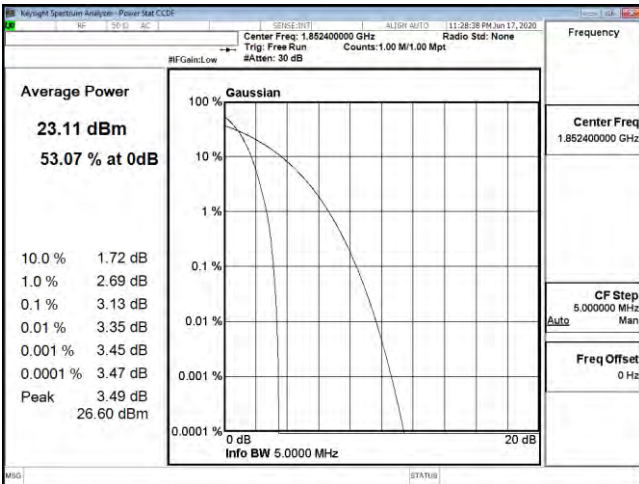
PTAR B5 CH4183 VOICE



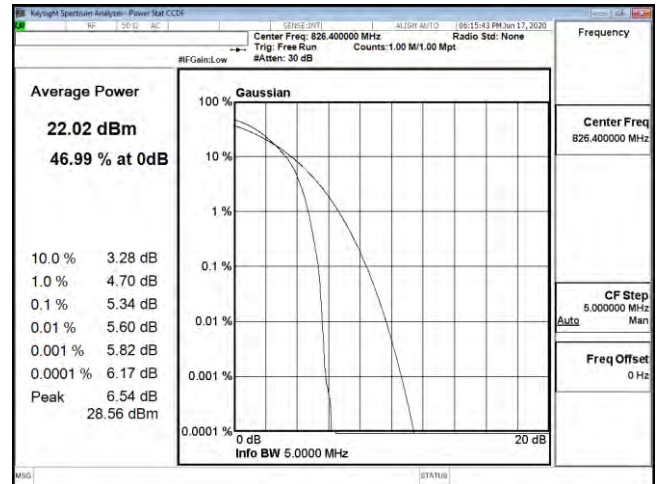
PTAR B2 CH9538 VOICE



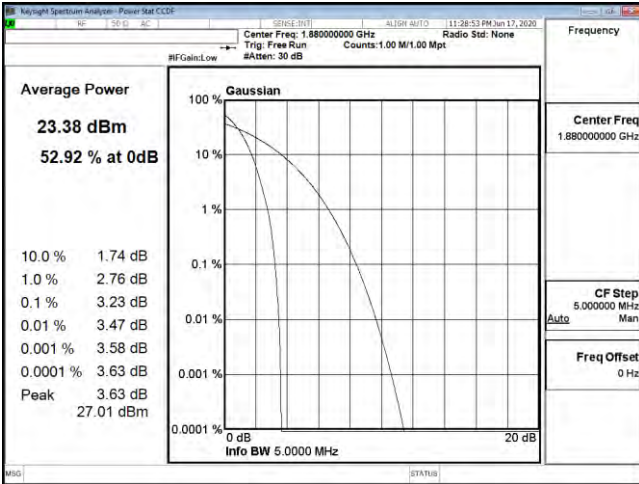
PTAR B5 CH4233 VOICE



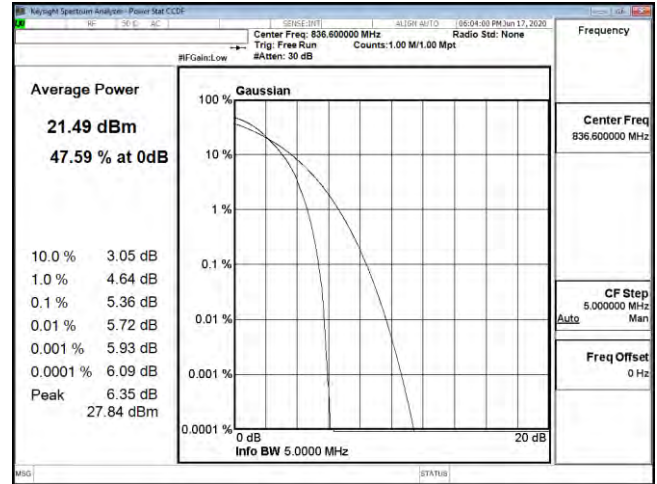
PTAR B2 CH9262 RMC



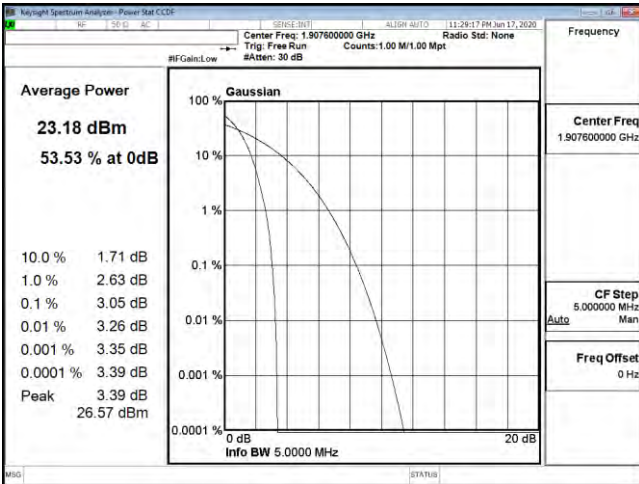
PTAR B5 CH4132 RMC



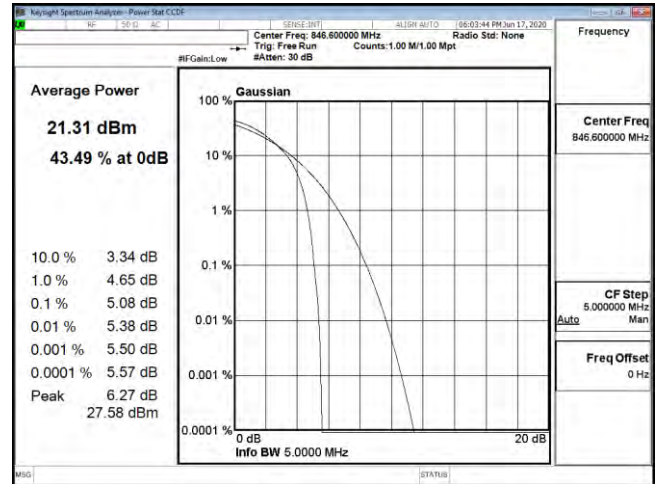
PTAR B2 CH9400 RMC



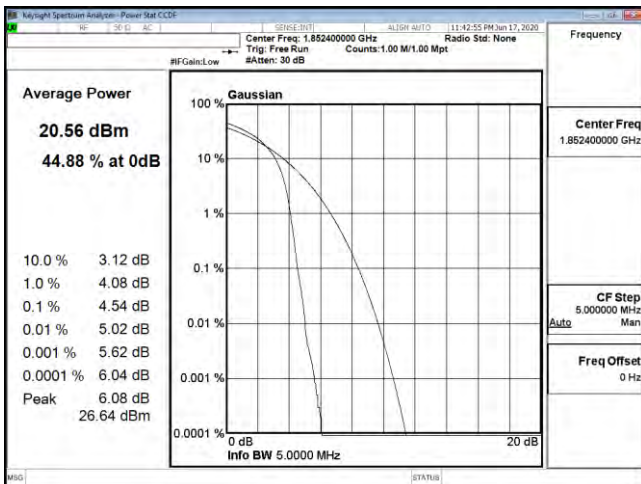
PTAR B5 CH4183 RMC



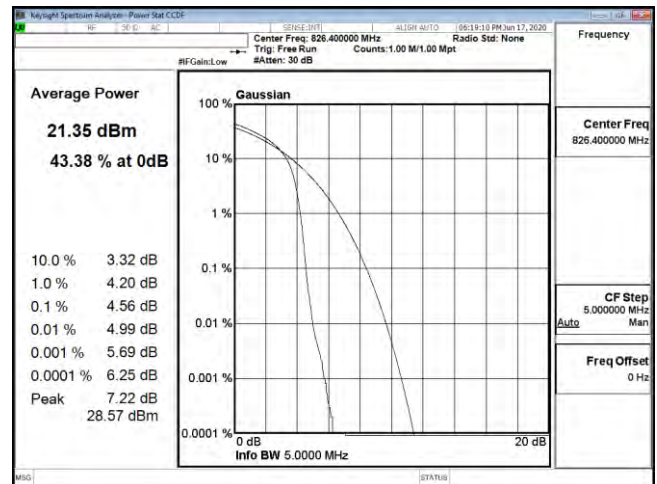
PTAR B2 CH9538 RMC



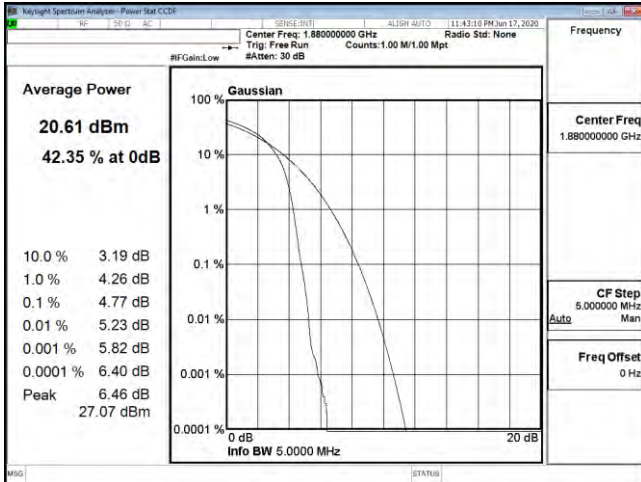
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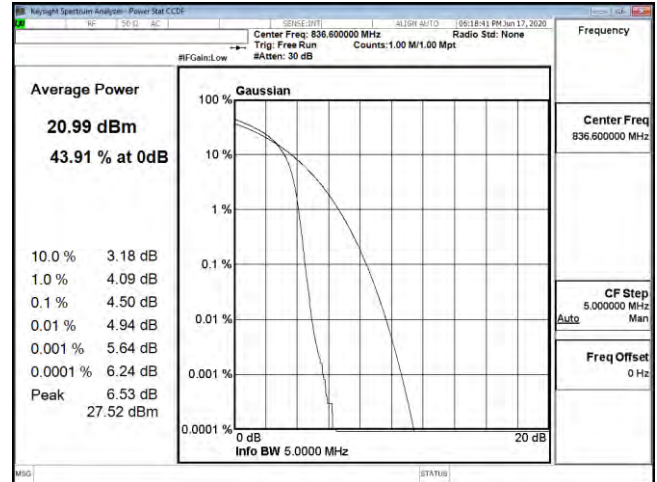
PTAR B2 CH9262 HSDPA



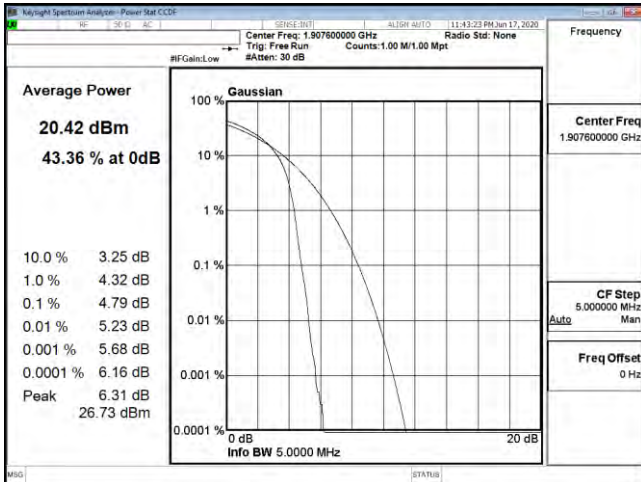
PTAR B5 CH4132 HSDPA



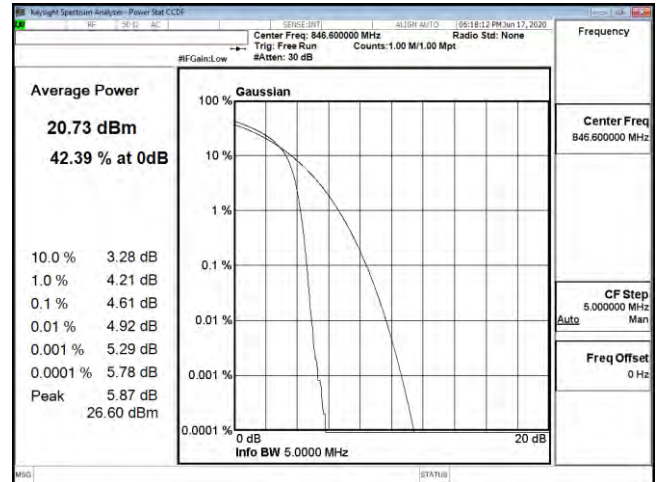
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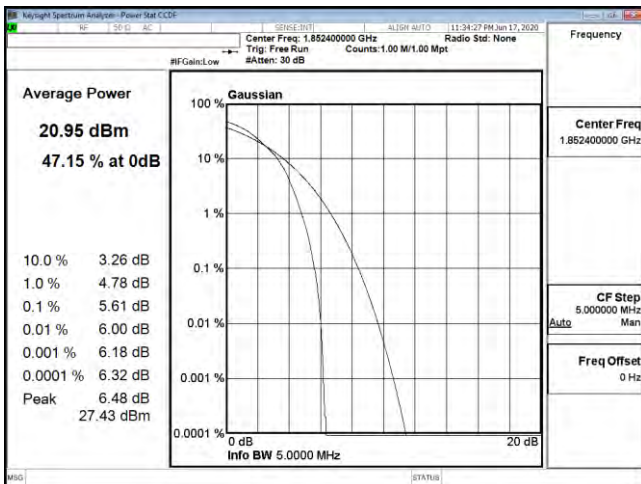
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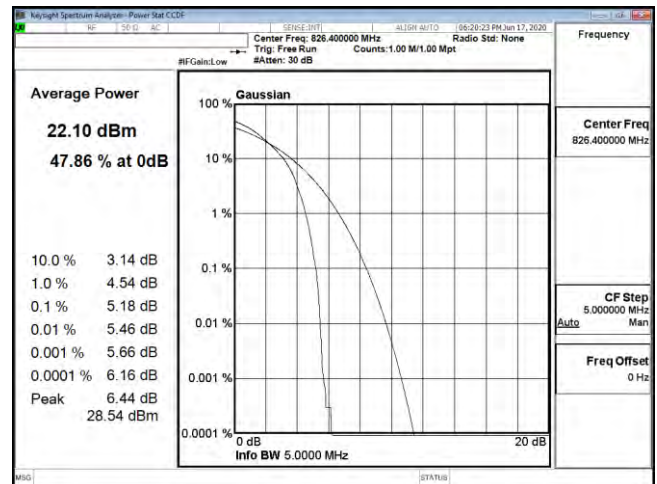
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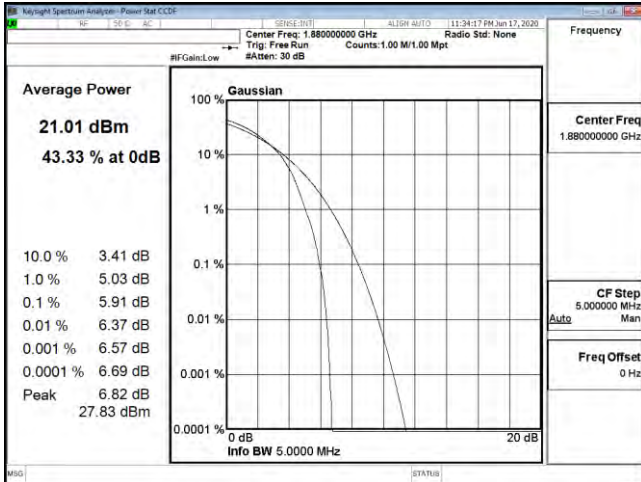
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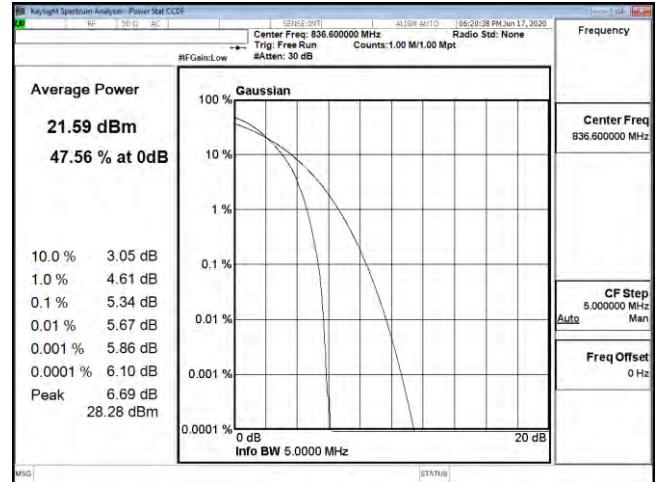
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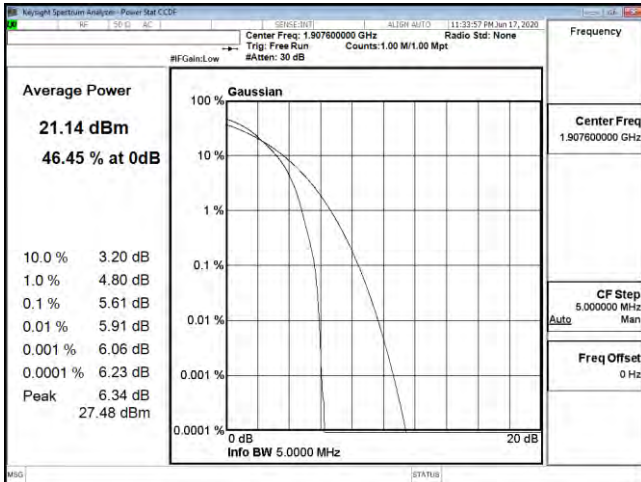
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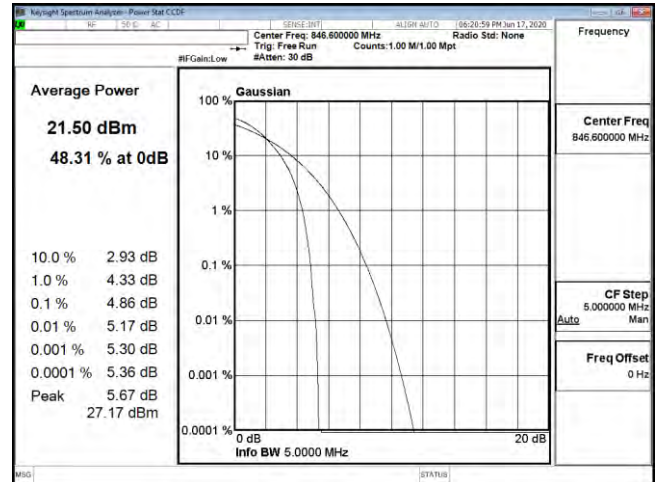
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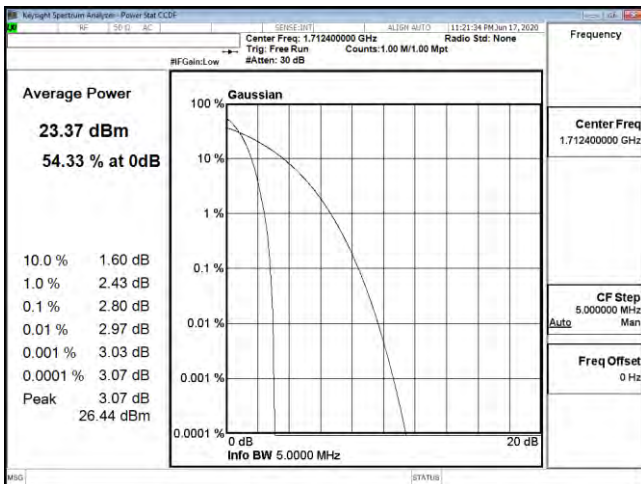
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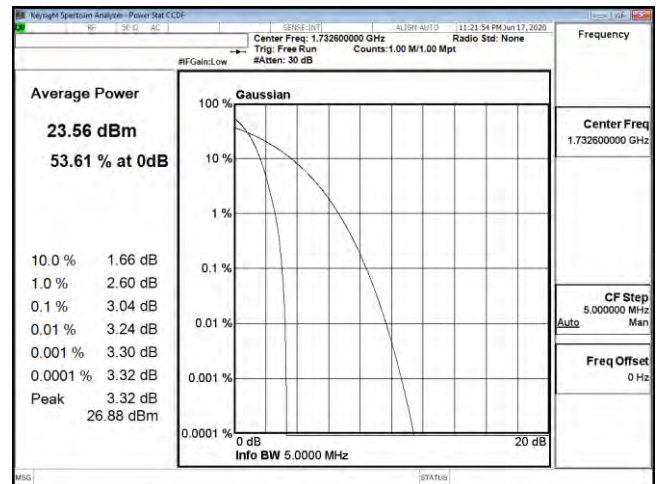
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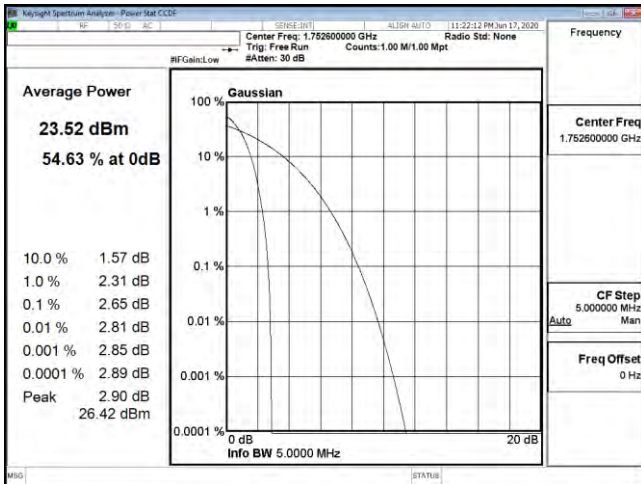
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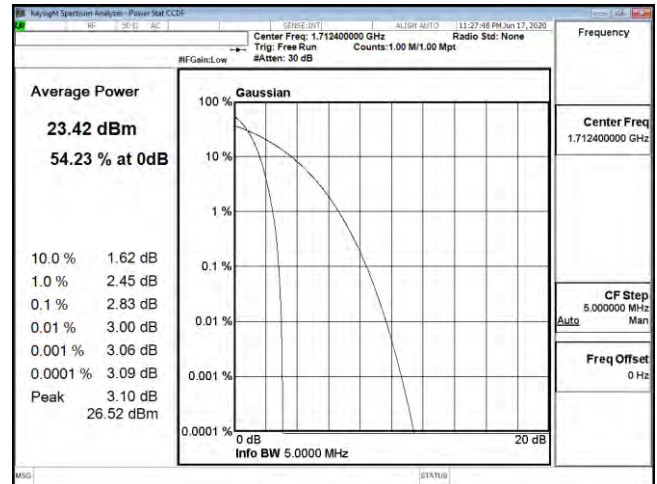
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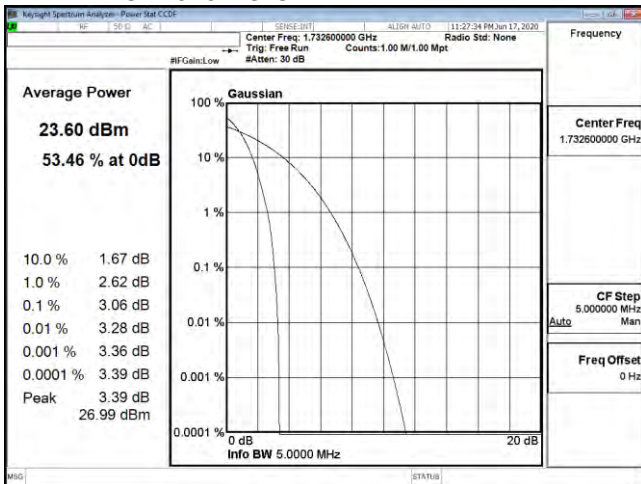
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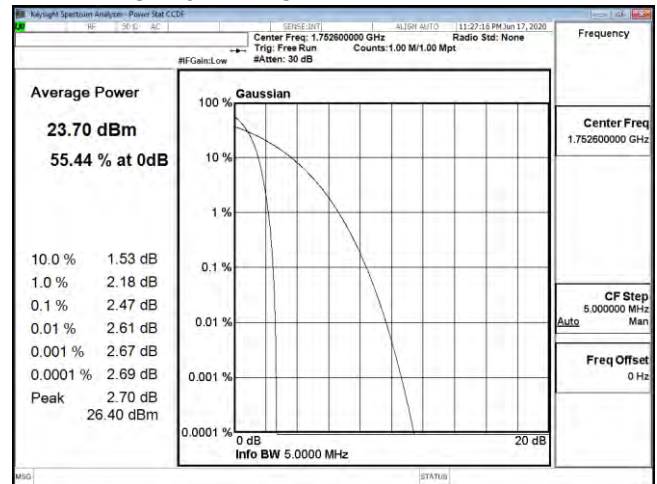
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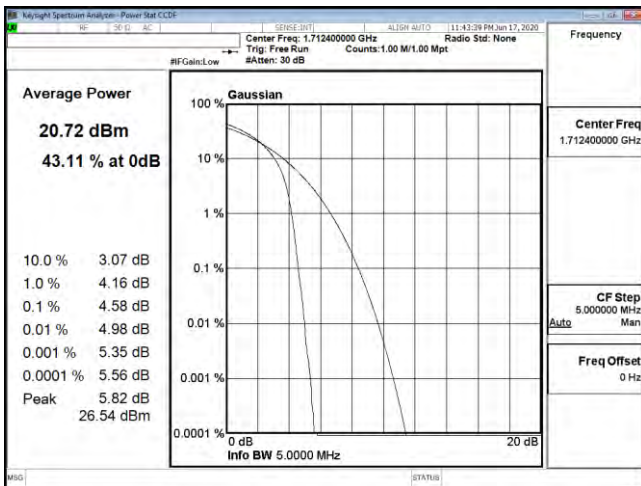
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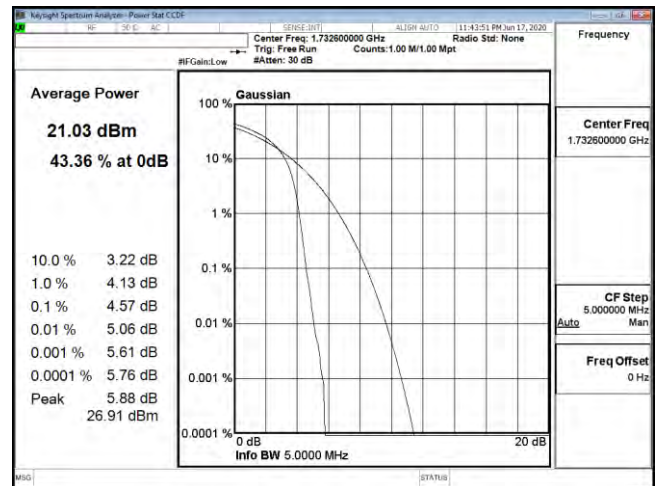
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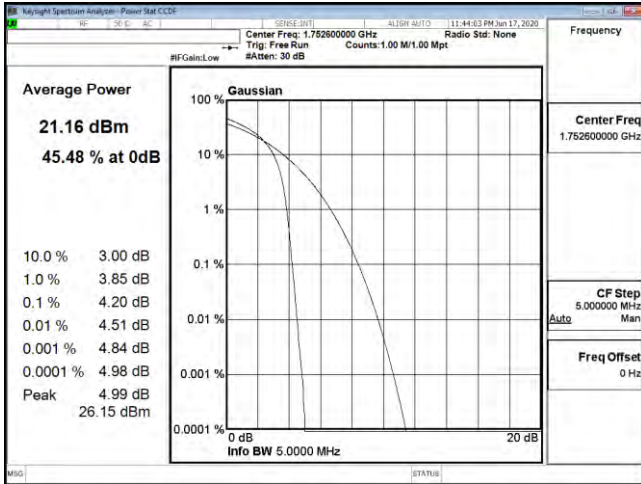
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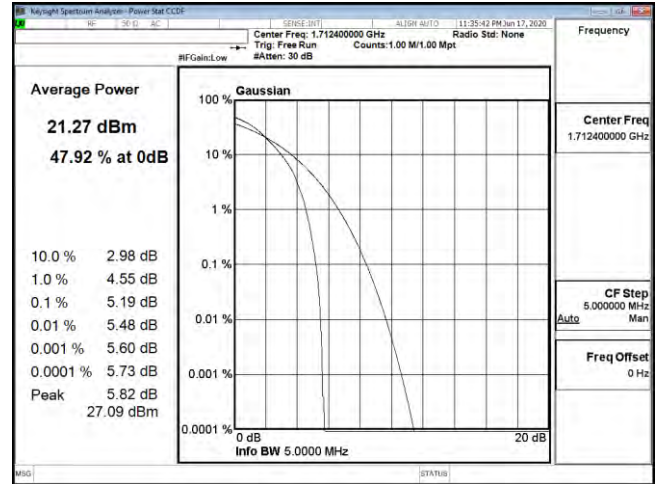
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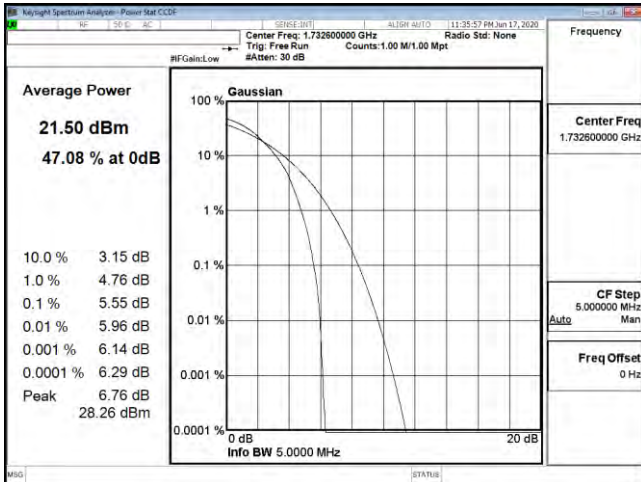
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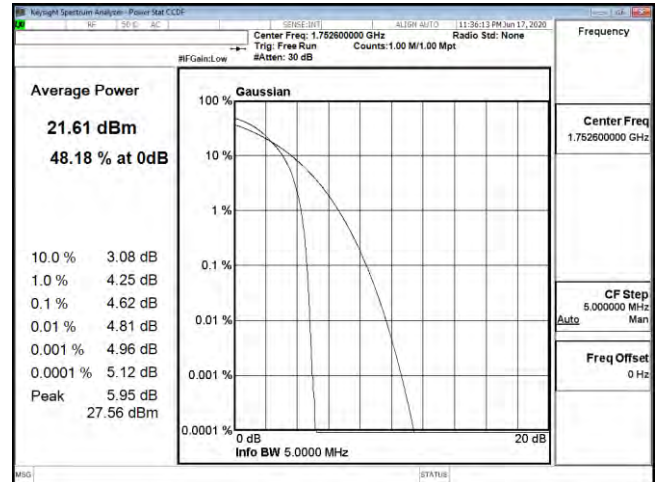
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PTAR B4 CH1312 HSDPA



PTAR B4 CH1413 HSDPA



PTAR B4 CH1513 HSDPA