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Appendix F for KSCR220400050306

1. Effective (Isotropic) Radiated Power Output Data

1.1 PCS1900_EIRP

1.1.1 Test Result

Band: PCS1900									
ENV	N	/lode	Frequency	Conducted Power	Gain	EIRP (dBm)		Verdict	
Ne	Network	Subset	(MHz)	(dBm)	(dbi)	Result	Limit	verdict	
		1 TX Slot	1850.2	29.47	2.00	31.47	<=33.01	Pass	
		2 TX Slots	1850.2	29.38	2.00	31.38	<=33.01	Pass	
		3 TX Slots	1850.2	29.26	2.00	31.26	<=33.01	Pass	
		4 TX Slots	1850.2	28.73	2.00	30.73	<=33.01	Pass	
		1 TX Slot	1880	29.01	2.00	31.01	<=33.01	Pass	
	GPRS	2 TX Slots	1880	29.00	2.00	31.00	<=33.01	Pass	
	GFRS	3 TX Slots	1880	28.89	2.00	30.89	<=33.01	Pass	
		4 TX Slots	1880	28.40	2.00	30.40	<=33.01	Pass	
		1 TX Slot	1909.8	29.24	2.00	31.24	<=33.01	Pass	
		2 TX Slots	1909.8	29.25	2.00	31.25	<=33.01	Pass	
		3 TX Slots	1909.8	29.16	2.00	31.16	<=33.01	Pass	
NTNV		4 TX Slots	1909.8	28.69	2.00	30.69	<=33.01	Pass	
INTINV		1 TX Slot	1850.2	25.53	2.00	27.53	<=33.01	Pass	
		2 TX Slots	1850.2	25.31	2.00	27.31	<=33.01	Pass	
		3 TX Slots	1850.2	25.16	2.00	27.16	<=33.01	Pass	
		4 TX Slots	1850.2	25.22	2.00	27.22	<=33.01	Pass	
		1 TX Slot	1880	26.22	2.00	28.22	<=33.01	Pass	
	EGPRS	2 TX Slots	1880	24.97	2.00	26.97	<=33.01	Pass	
	EGPKS	3 TX Slots	1880	24.96	2.00	26.96	<=33.01	Pass	
		4 TX Slots	1880	24.94	2.00	26.94	<=33.01	Pass	
		1 TX Slot	1909.8	25.29	2.00	27.29	<=33.01	Pass	
		2 TX Slots	1909.8	25.22	2.00	27.22	<=33.01	Pass	
		3 TX Slots	1909.8	25.20	2.00	27.20	<=33.01	Pass	
4 TX Slots 1909.8 25.21 2.00 27.21 <=33									
Note1: El	RP=Conduct	ted Power+Anter	nna Gain		•				

2. Frequency Stability

2.1 PCS1900

2.1.1 Test Result

Band: PCS1900									
Notwork	Frequency	Temp.	Voltage	Freq. Error	Freq. vs. F	ated (ppm)	Vardiat		
Network	(MHz)	(°C)	(VDC)	(Hz)	Result	l imit	Verdict		



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			6.40	20.462	0.0111	2 E to 2 E	Door
		20	6.12	20.462	0.0111	-2.5 to 2.5	Pass
		20	7.2	24.364	0.0132	-2.5 to 2.5	Pass
		20	8.28	17.937	0.0097	-2.5 to 2.5	Pass
		-30	7.2	20.661	0.0112	-2.5 to 2.5	Pass
	10500	-20	7.2	15.853	0.0086	-2.5 to 2.5	Pass
	1850.2	-10	7.2	19.518	0.0105	-2.5 to 2.5	Pass
		0	7.2	20.061	0.0108	-2.5 to 2.5	Pass
		10	7.2	20.378	0.0110	-2.5 to 2.5	Pass
		30	7.2	21.689	0.0117	-2.5 to 2.5	Pass
		40	7.2	24.420	0.0132	-2.5 to 2.5	Pass
L		50	7.2	21.576	0.0117	-2.5 to 2.5	Pass
			6.12	18.012	0.0096	-2.5 to 2.5	Pass
		20	7.2	17.291	0.0092	-2.5 to 2.5	Pass
			8.28	19.905	0.0106	-2.5 to 2.5	Pass
		-30	7.2	18.395	0.0098	-2.5 to 2.5	Pass
		-20	7.2	21.050	0.0112	-2.5 to 2.5	Pass
GPRS	1880	-10	7.2	18.901	0.0101	-2.5 to 2.5	Pass
		0	7.2	19.642	0.0104	-2.5 to 2.5	Pass
		10	7.2	21.234	0.0113	-2.5 to 2.5	Pass
		30	7.2	17.132	0.0091	-2.5 to 2.5	Pass
		40	7.2	20.383	0.0108	-2.5 to 2.5	Pass
		50	7.2	16.749	0.0089	-2.5 to 2.5	Pass
	1909.8	20	6.12	22.674	0.0119	-2.5 to 2.5	Pass
			7.2	21.643	0.0113	-2.5 to 2.5	Pass
			8.28	21.905	0.0115	-2.5 to 2.5	Pass
		-30	7.2	19.922	0.0104	-2.5 to 2.5	Pass
		-20	7.2	18.744	0.0098	-2.5 to 2.5	Pass
		-10	7.2	17.254	0.0090	-2.5 to 2.5	Pass
		0	7.2	16.479	0.0086	-2.5 to 2.5	Pass
		10	7.2	17.606	0.0092	-2.5 to 2.5	Pass
		30	7.2	22.650	0.0119	-2.5 to 2.5	Pass
		40	7.2	20.595	0.0118	-2.5 to 2.5	Pass
		50	7.2	19.329	0.0101	-2.5 to 2.5	Pass
		30	6.12	24.941	0.0135	-2.5 to 2.5	Pass
		20	7.2	25.009	0.0135	-2.5 to 2.5	Pass
		20	8.28	20.736	0.0133	-2.5 to 2.5	Pass
		-30	7.2	17.692	0.0096	-2.5 to 2.5	Pass
	1050.0	-20	7.2	24.819	0.0134	-2.5 to 2.5	Pass Pass
	1850.2	-10	7.2	20.215	0.0109	-2.5 to 2.5	
		0	7.2	20.235	0.0109	-2.5 to 2.5	Pass
		10	7.2	20.844	0.0113	-2.5 to 2.5	Pass
EGPRS		30	7.2	20.872	0.0113	-2.5 to 2.5	Pass
		40	7.2	20.441	0.0110	-2.5 to 2.5	Pass
L		50	7.2	20.035	0.0108	-2.5 to 2.5	Pass
			6.12	17.918	0.0095	-2.5 to 2.5	Pass
		20	7.2	20.434	0.0109	-2.5 to 2.5	Pass
			8.28	20.804	0.0111	-2.5 to 2.5	Pass
	1880	-30	7.2	21.748	0.0116	-2.5 to 2.5	Pass
		-20	7.2	24.614	0.0131	-2.5 to 2.5	Pass
		-10	7.2	19.757	0.0105	-2.5 to 2.5	Pass
		0	7.2	21.150	0.0113	-2.5 to 2.5	Pass



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	10	7.2	24.492	0.0130	-2.5 to 2.5	Pass
	30	7.2	25.514	0.0136	-2.5 to 2.5	Pass
	40	7.2	23.485	0.0125	-2.5 to 2.5	Pass
	50	7.2	25.636	0.0136	-2.5 to 2.5	Pass
		6.12	27.264	0.0143	-2.5 to 2.5	Pass
	20	7.2	20.046	0.0105	-2.5 to 2.5	Pass
		8.28	20.535	0.0108	-2.5 to 2.5	Pass
	-30	7.2	21.998	0.0115	-2.5 to 2.5	Pass
	-20	7.2	22.075	0.0116	-2.5 to 2.5	Pass
1909.8	-10	7.2	27.694	0.0145	-2.5 to 2.5	Pass
	0	7.2	18.323	0.0096	-2.5 to 2.5	Pass
	10	7.2	17.847	0.0093	-2.5 to 2.5	Pass
	30	7.2	14.475	0.0076	-2.5 to 2.5	Pass
	40	7.2	19.122	0.0100	-2.5 to 2.5	Pass
	50	7.2	16.410	0.0086	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 PCS1900

3.1.1 Test Result

	Band: PCS1900									
ENV	Mode		Frequency	uency Modulation Characteristics		Verdict				
EINV	Network	Subset	(MHz)	Result	Limit	verdict				
NTNV	GPRS	1 TX Slot	1880	Refer To Test Graph		Pass				
INTINV	EGPRS	1 TX Slot	1880	Refer To Test Graph		Pass				



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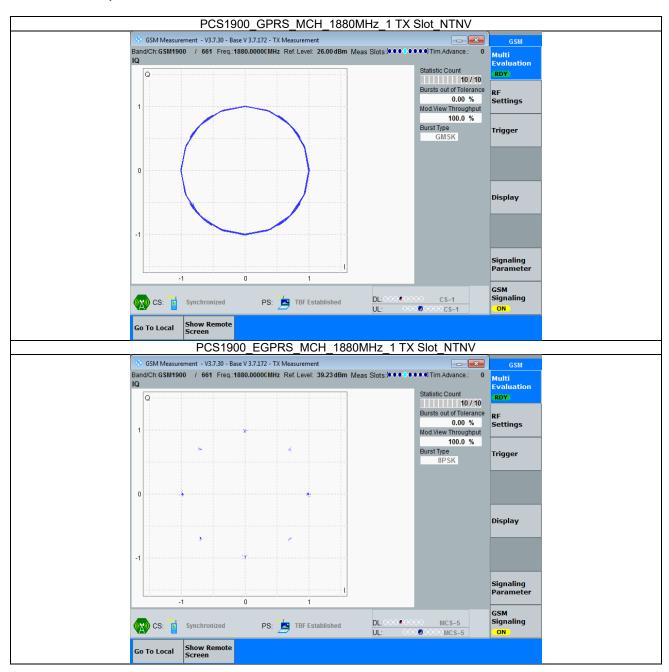
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3.1.2 Test Graph





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4. 99% & 26dB Bandwidth

4.1 PCS1900_OBW

4.1.1 Test Result

	Band: PCS1900							
ENV	l N	lode	Frequency	99% Occupied Bandwidth (MHz)	Verdict			
EINV	Network Subset		(MHz)	Result	verdict			
NITAN		1 TX Slot	1850.2	0.246	Pass			
	GPRS		1880	0.243	Pass			
			1909.8	0.246	Pass			
NTNV	EGPRS	RS 1 TX Slot	1850.2	0.252	Pass			
			1880	0.249	Pass			
			1909.8	0.249	Pass			



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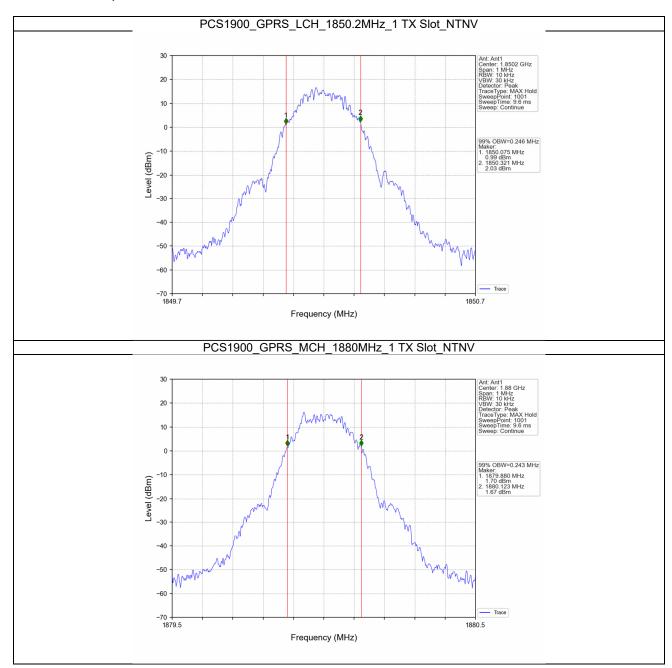
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4.1.2 Test Graph





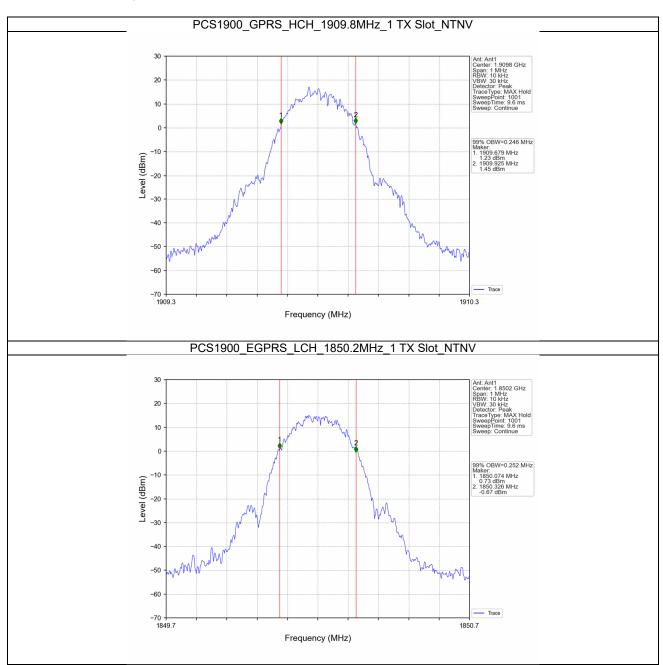
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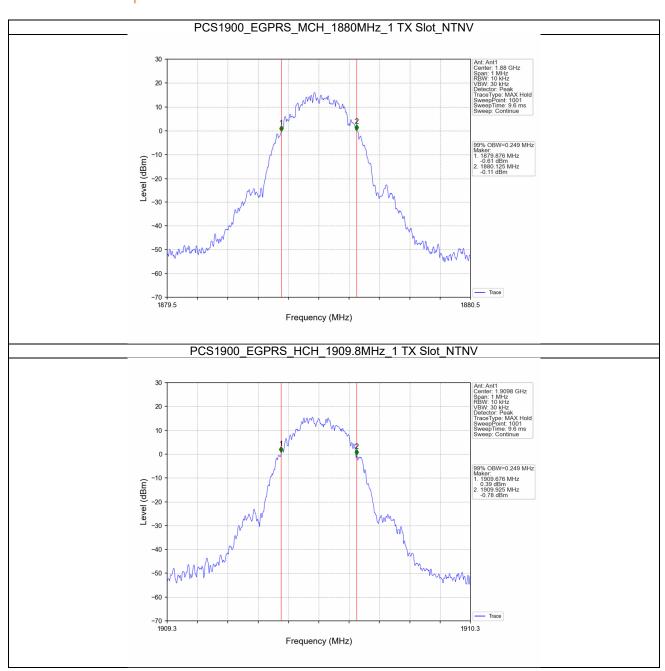
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4.2 PCS1900_XDB

4.2.1 Test Result

Band: PCS1900								
ENV	N	1ode	Frequency	26dB Bandwidth (MHz)	Verdict			
	Network Subset		(MHz)	Result	verdict			
NITAD (GPRS		1850.2	0.310	Pass			
		1 TX Slot	1880	0.313	Pass			
			1909.8	0.315	Pass			
NTNV	EGPRS	1 TX Slot	1850.2	0.322	Pass			
			1880	0.315	Pass			
			1909.8	0.318	Pass			



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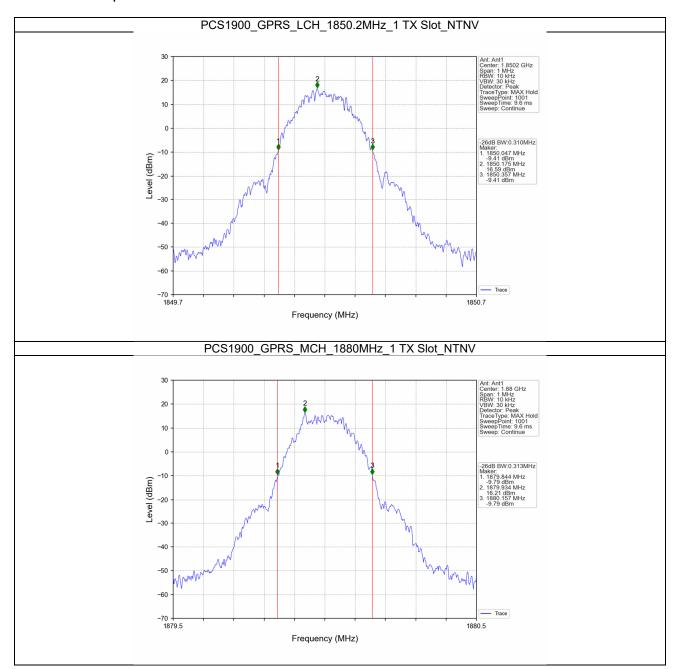
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4.2.2 Test Graph





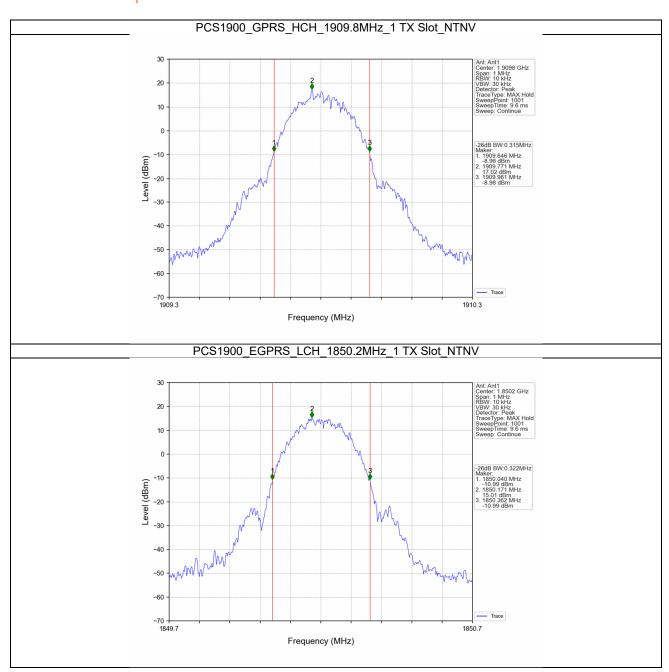
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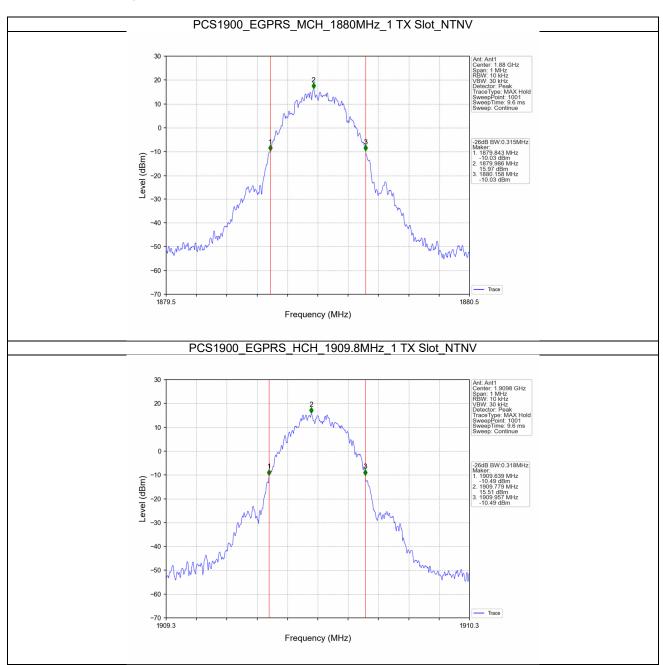
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5. Peak-Average Ratio

5.1 PCS1900

5.1.1 Test Result

Band: PCS1900								
ENV	Mode		Frequency	Peak-Averag	Peak-Average Ratio (dB)			
	Network Subset		(MHz)	Result	Limit	Verdict		
	GPRS	GPRS 4 TX Slots	1850.2	10.08	<=13	Pass		
			1880	11.25	<=13	Pass		
NTNV			1909.8	4.11	<=13	Pass		
INTINV	EGPRS	4 TX Slots	1850.2	12.64	<=13	Pass		
			1880	7.47	<=13	Pass		
			1909.8	7.40	<=13	Pass		



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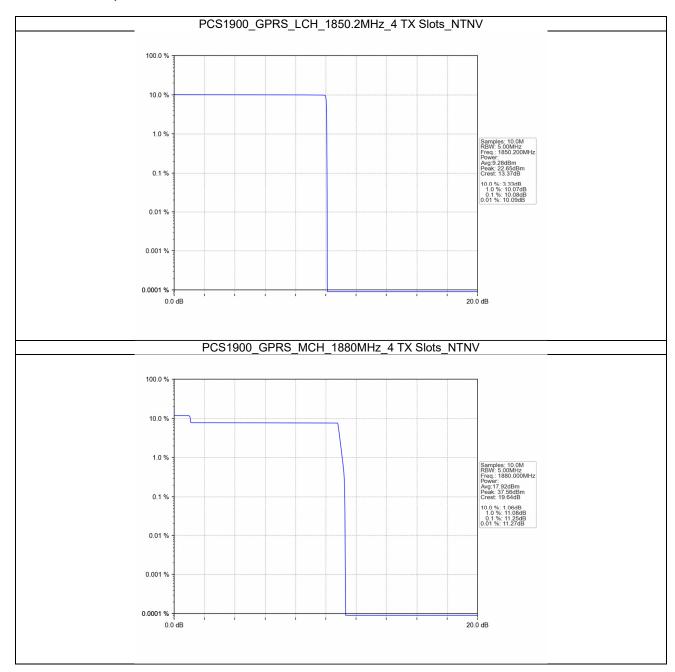
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5.1.2 Test Graph





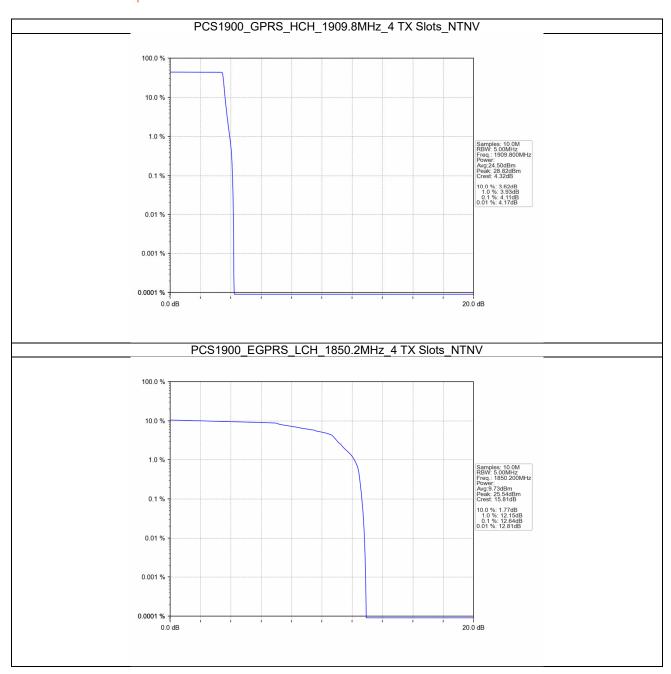
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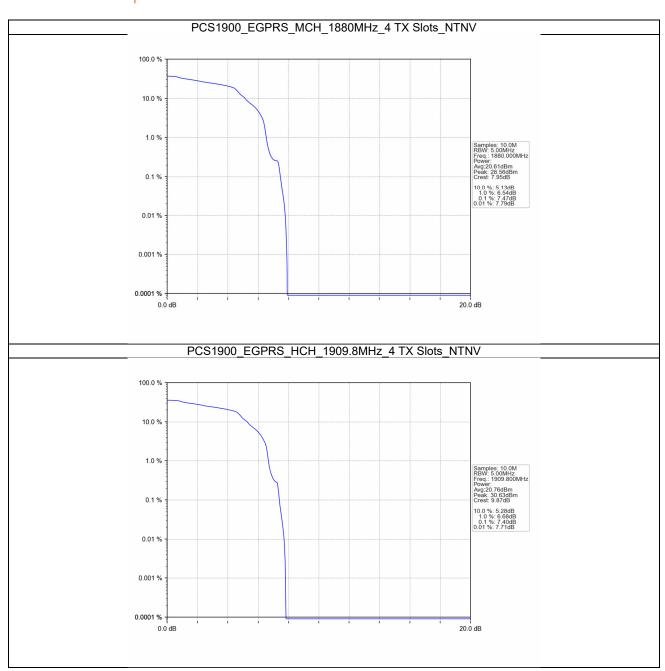
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6. Spurious Emission

6.1 PCS1900

6.1.1 Test Result

Band: PCS1900								
ENIV/	Mode		Frequency	Spurious Emiss	ion	Verdict		
ENV Network		Subset	(MHz)	Result	Result Limit			
	GPRS 1 TX Slot		1850.2	Refer To Test Graph		Pass		
		GPRS 1 TX Slot	1880	Refer To Test Graph		Pass		
NTNV			1909.8	Refer To Test G	Refer To Test Graph			
INTINV		EGPRS 1 TX Slot	1850.2	Refer To Test G	raph	Pass		
EGPR	EGPRS		1880	Refer To Test Graph		Pass		
			1909.8	Refer To Test Graph		Pass		



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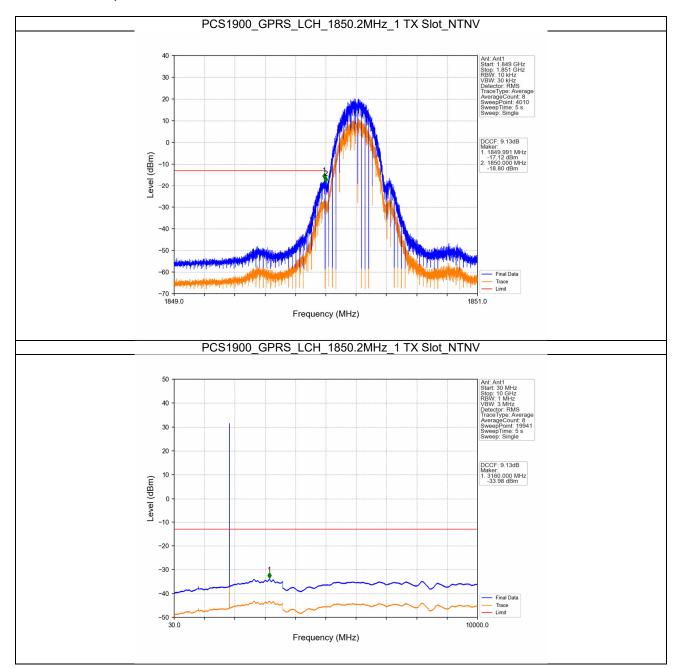
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6.1.2 Test Graph





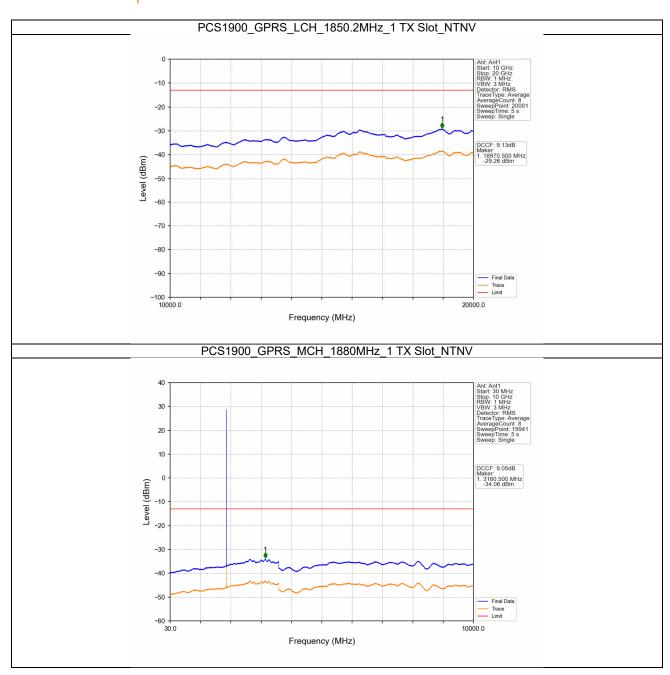
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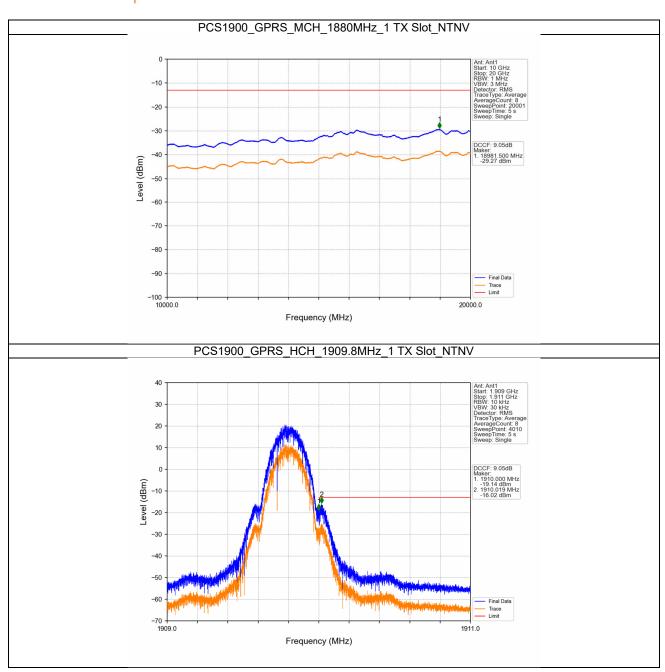
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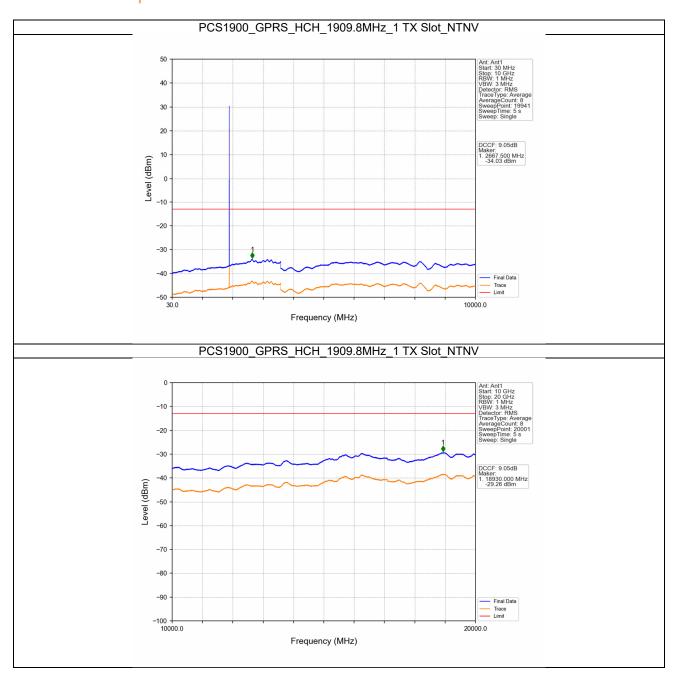
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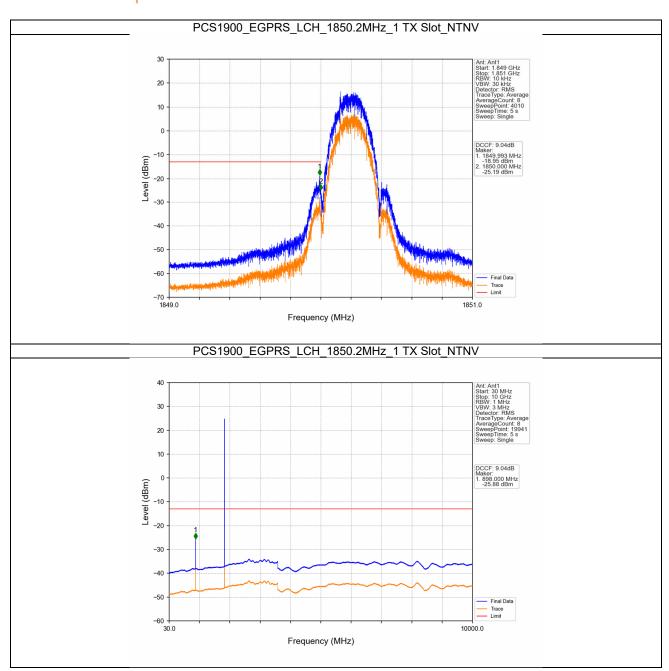
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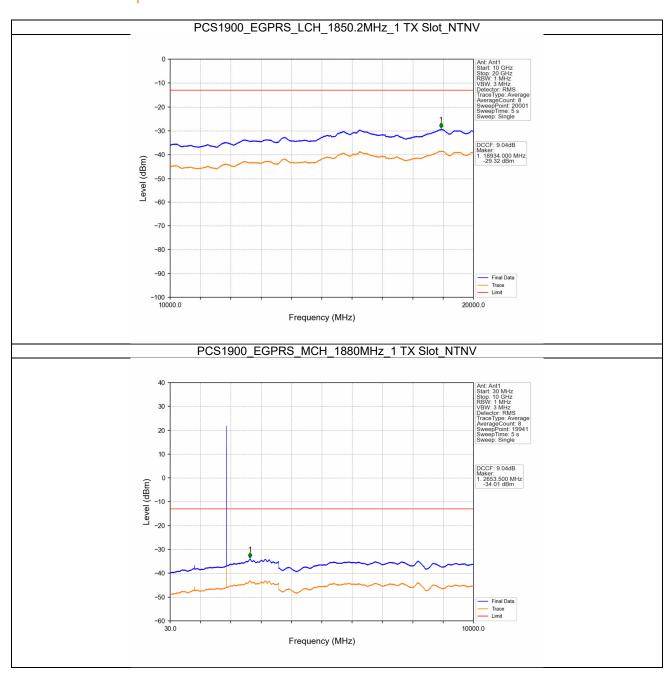
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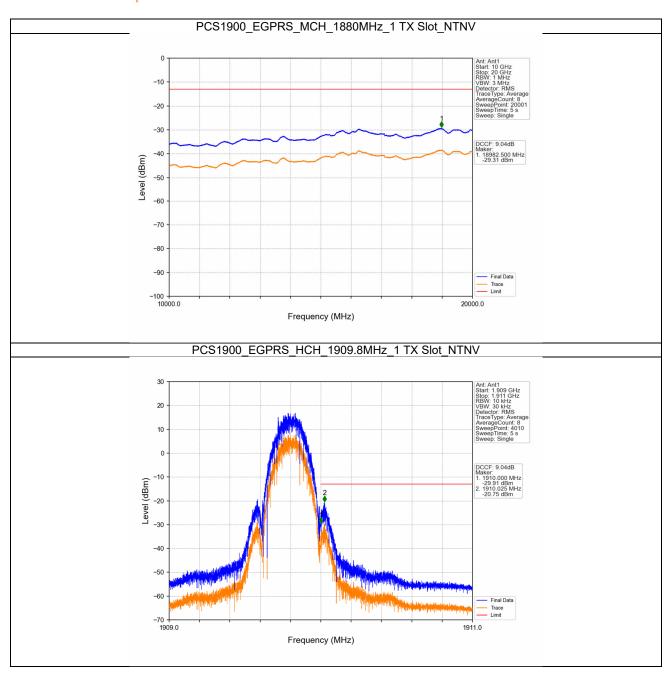
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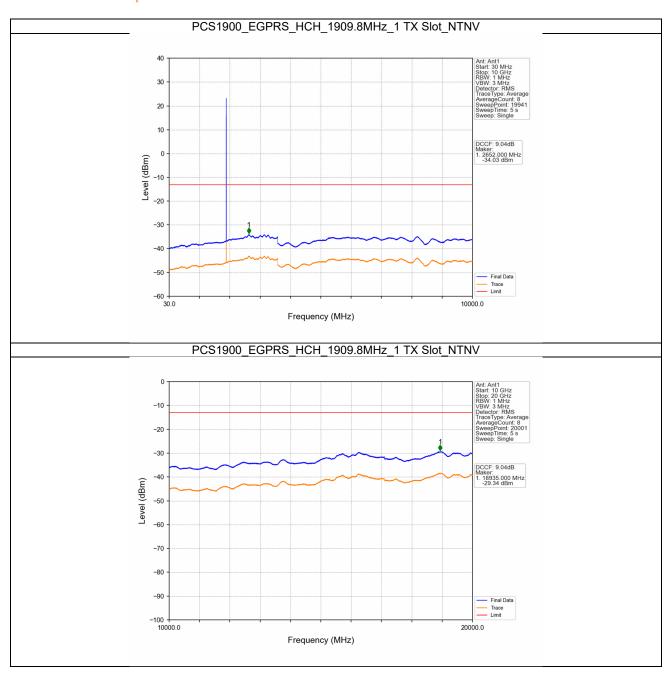
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