

SI Test Report

Customer Name	
Product Model NO.	AMSEE0010001
Model Description	16P 24AWG 85Ohm 0.5m Raw_Cable
Test Condition	Equipment: E5071C Keysight 300kHz-20GHz RF Switch: HFMS-72,Matrix Switch DC - 40GHz,72CH Summery: Sweep 0.01GHz - 20GHz,Step 10MHz,BWID 50KHz,Rise Time 15Ps Text Fixture:MCI0_2X_0709 Environment: 23.7°C,55.6%RH
Test Specification	mci08x
Test Result	PASS
Test Engineer	LG

Test Item:	Parameter	Specification	Test Result
1). SDD21	Insertion Loss	1.50 to 6.70 GHz: -0.6923*[F]-1.561 dB; 6.70 to 14.00 GHz: -0.5205*[F]-2.712 dB; 14.00 to 16.00 GHz: -0.5*[F]-3 dB;	OK
2). SDD11	Differential mode Return Loss	0.05 to 12.00 GHz: -8 dB; 12.00 to 16.00 GHz: -3dB;	OK
3). SDD22	Differential mode Return Loss	0.05 to 12.00 GHz: -8 dB; 12.00 to 16.00 GHz: -3 dB;	OK
4). TDD11	Differential Impedance	1.00 to 1.40 ns: 95 Ohm; 1.40 to 3.00 ns: 93.5 Ohm; 1.00 to 1.40 ns: 75 Ohm; 1.40 to 3.00 ns: 76.5 Ohm;	OK
5). TDD22	Differential Impedance	1.00 to 1.40 ns: 95 Ohm; 1.40 to 3.00 ns: 93.5 Ohm; 1.00 to 1.40 ns: 75 Ohm; 1.40 to 3.00 ns: 76.5 Ohm;	OK
6). SCD11	Differential to common-mode return loss	0.05 to 12.00 GHz: -16 dB; 12.00 to 16.00 GHz: -15 dB;	OK
7). SCD22	Differential to common-mode return loss	0.05 to 12.00 GHz: -16 dB; 12.00 to 16.00 GHz: -15 dB;	OK
8). SCC11	Common mode return loss	0.05 to 16.00 GHz: -2 dB;	OK
9). SCC22	Common mode return loss	0.05 to 16.00 GHz: -2 dB;	OK

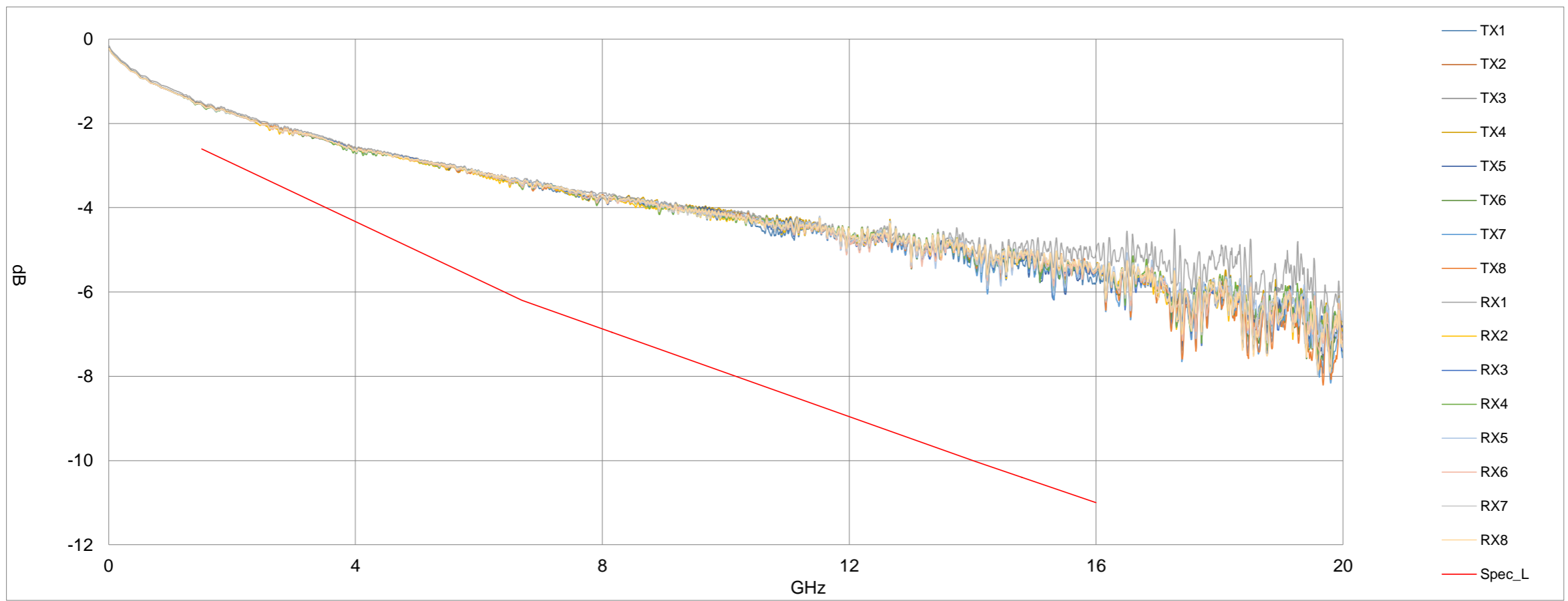
Notes:

Approved By: 颜家帮

Pair NO.	SDD21 Unit:(dB)													Result
	4G	8G	12G	16G										
TX1	-2.66	-3.78	-5.05	-5.83										OK
TX2	-2.62	-3.83	-4.96	-5.87										OK
TX3	-2.59	-3.78	-4.97	-5.92										OK
TX4	-2.63	-3.90	-4.95	-6.03										OK
TX5	-2.67	-3.90	-4.96	-6.19										OK
TX6	-2.63	-3.86	-5.02	-5.93										OK
TX7	-2.63	-3.81	-5.00	-6.18										OK
TX8	-2.61	-3.83	-4.91	-5.92										OK
RX1	-2.57	-3.71	-5.04	-5.53										OK
RX2	-2.65	-3.87	-5.09	-5.73										OK
RX3	-2.61	-3.84	-5.09	-5.80										OK
RX4	-2.70	-3.95	-4.93	-5.99										OK
RX5	-2.65	-3.87	-5.01	-6.07										OK
RX6	-2.62	-3.89	-5.12	-5.86										OK
RX7	-2.61	-3.82	-5.04	-5.69										OK
RX8	-2.66	-3.80	-4.97	-5.68										OK
Spec	-4.33	-6.88	-8.96	-11.00										N/A
Worst	-2.70	-3.95	-5.12	-6.19										OK

Pair NO.	Mating Area-L		Cable Area-L		Mating Area-R		Cable Area-R		Result
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	
TX1	91.66	86.11	86.77	86.18	90.13	86.21	86.56	85.83	OK
TX2	90.86	86.02	86.96	86.03	90.57	86.21	86.81	85.85	OK
TX3	89.59	86.10	86.82	86.01	90.22	86.06	86.92	85.97	OK
TX4	89.85	86.29	87.12	86.32	90.34	86.51	86.60	86.04	OK
TX5	89.32	85.87	86.61	86.02	90.00	85.72	86.65	85.88	OK
TX6	89.02	85.91	86.64	85.97	89.86	85.80	86.55	85.69	OK
TX7	91.46	86.30	86.76	86.17	89.82	86.07	87.23	86.12	OK
TX8	91.74	86.21	86.83	86.05	90.14	86.09	86.67	86.14	OK
RX1	89.64	84.98	85.36	84.94	91.98	86.29	86.75	86.05	OK
RX2	91.27	85.98	86.62	85.82	91.25	86.04	86.81	86.00	OK
RX3	90.53	86.15	86.78	85.92	90.32	86.33	86.66	86.31	OK
RX4	90.79	86.22	86.81	86.07	90.65	85.83	86.88	85.84	OK
RX5	90.46	86.18	86.70	85.80	90.69	86.07	86.80	86.05	OK
RX6	90.65	86.02	86.53	86.04	90.79	86.02	86.82	85.87	OK
RX7	89.97	85.71	86.64	85.60	92.72	86.19	86.55	85.98	OK
RX8	89.68	86.03	86.79	85.94	93.22	86.17	86.86	86.07	OK
Spec	95.00	75.00	93.50	76.50	95.00	75.00	93.50	76.50	N/A
Worst	91.74	84.98	87.12	84.94	93.22	85.72	87.23	85.69	OK

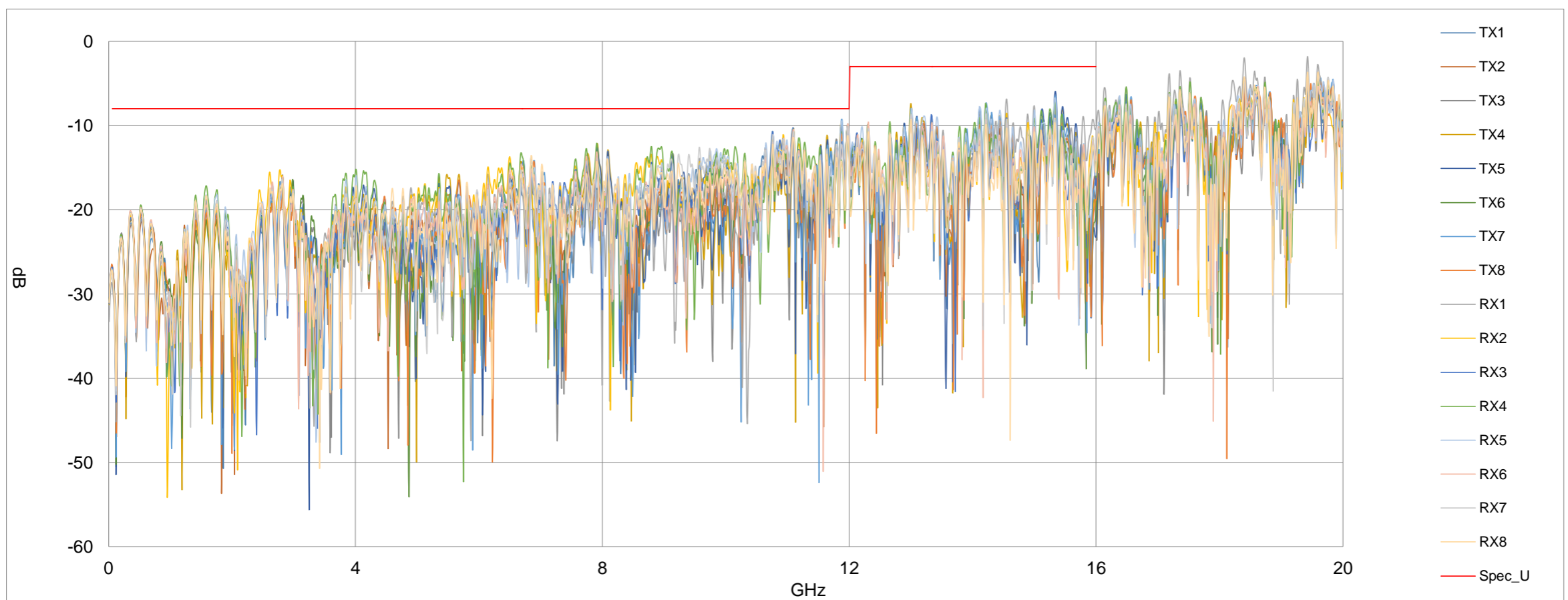
1). SDD21



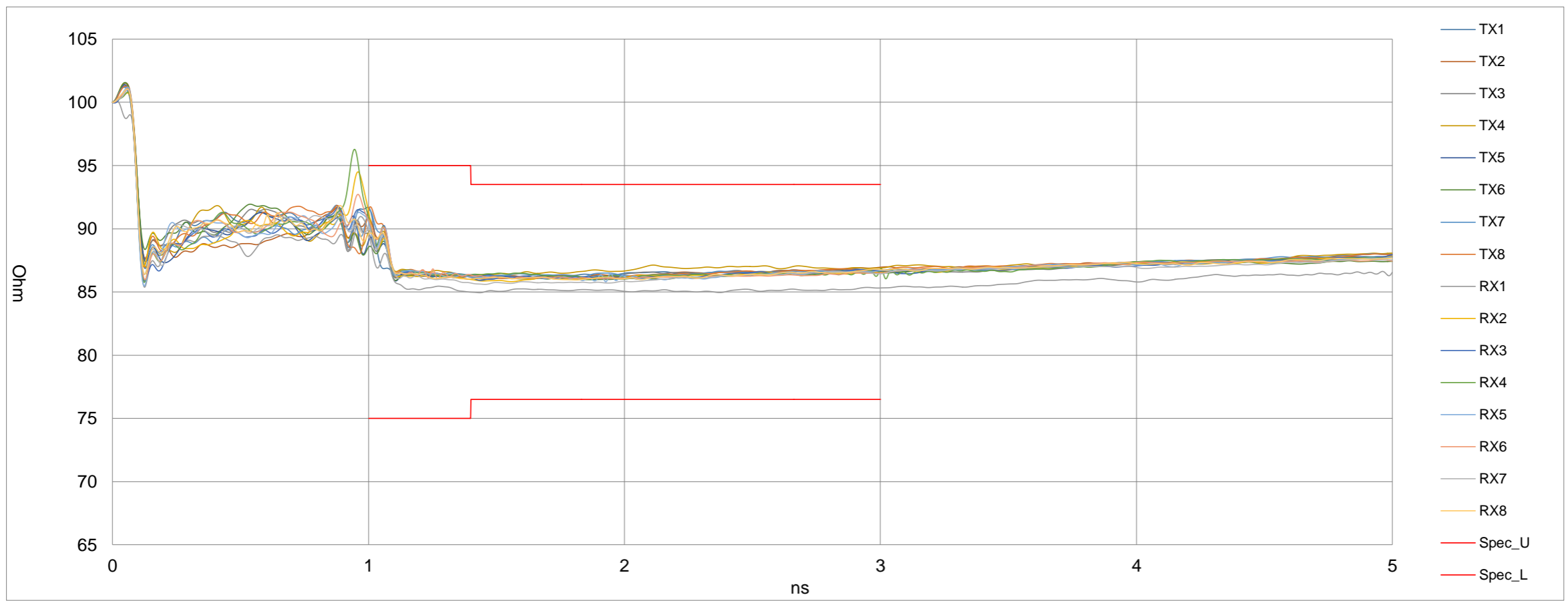
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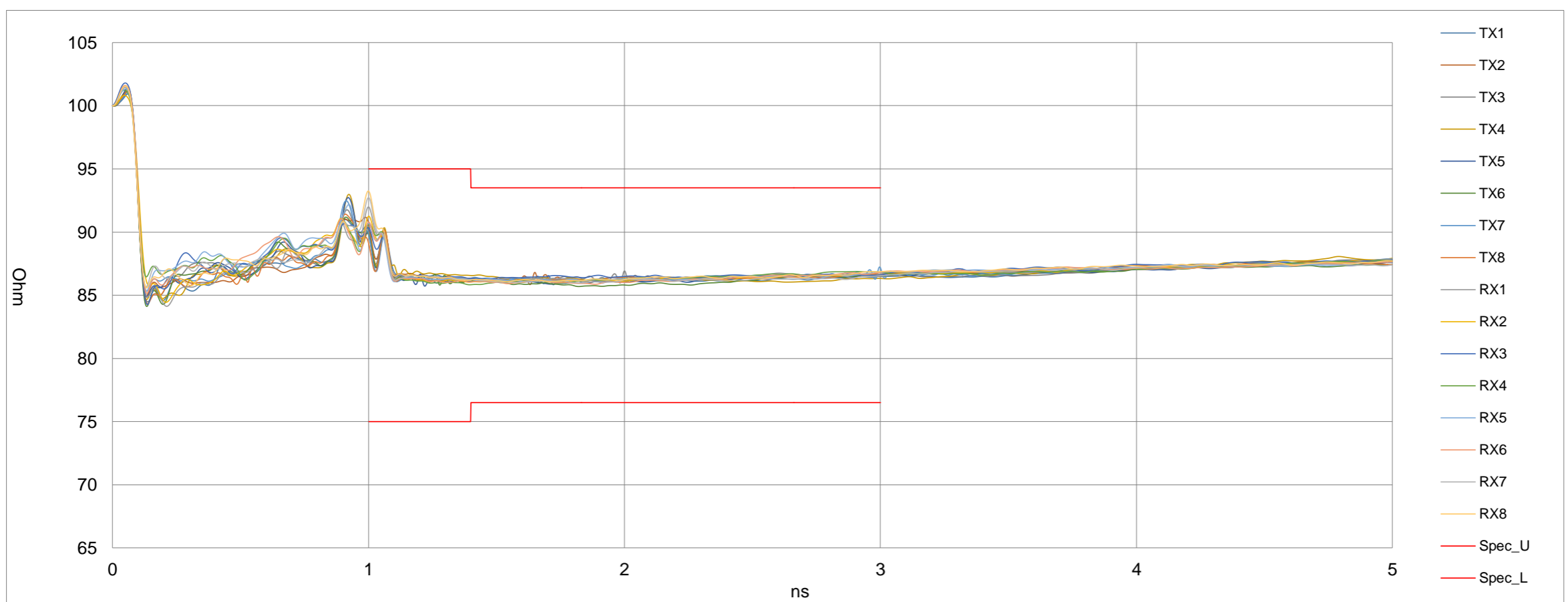
3). SDD22



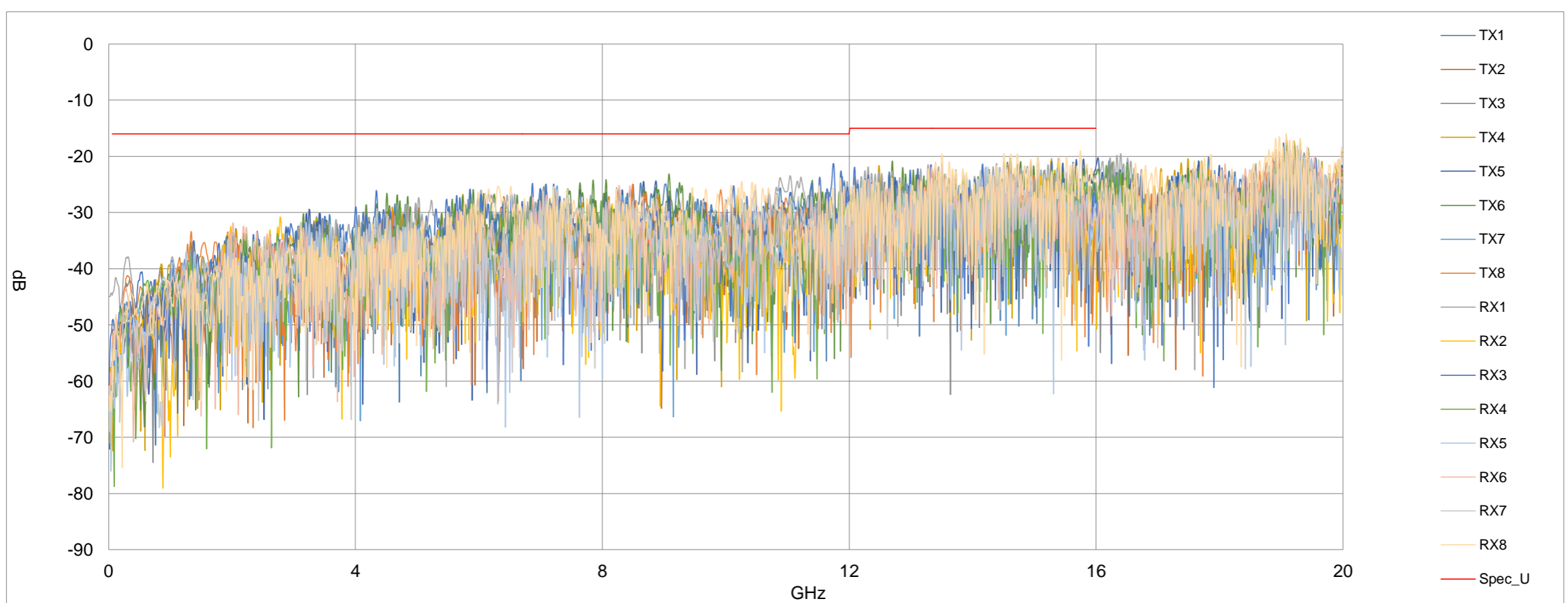
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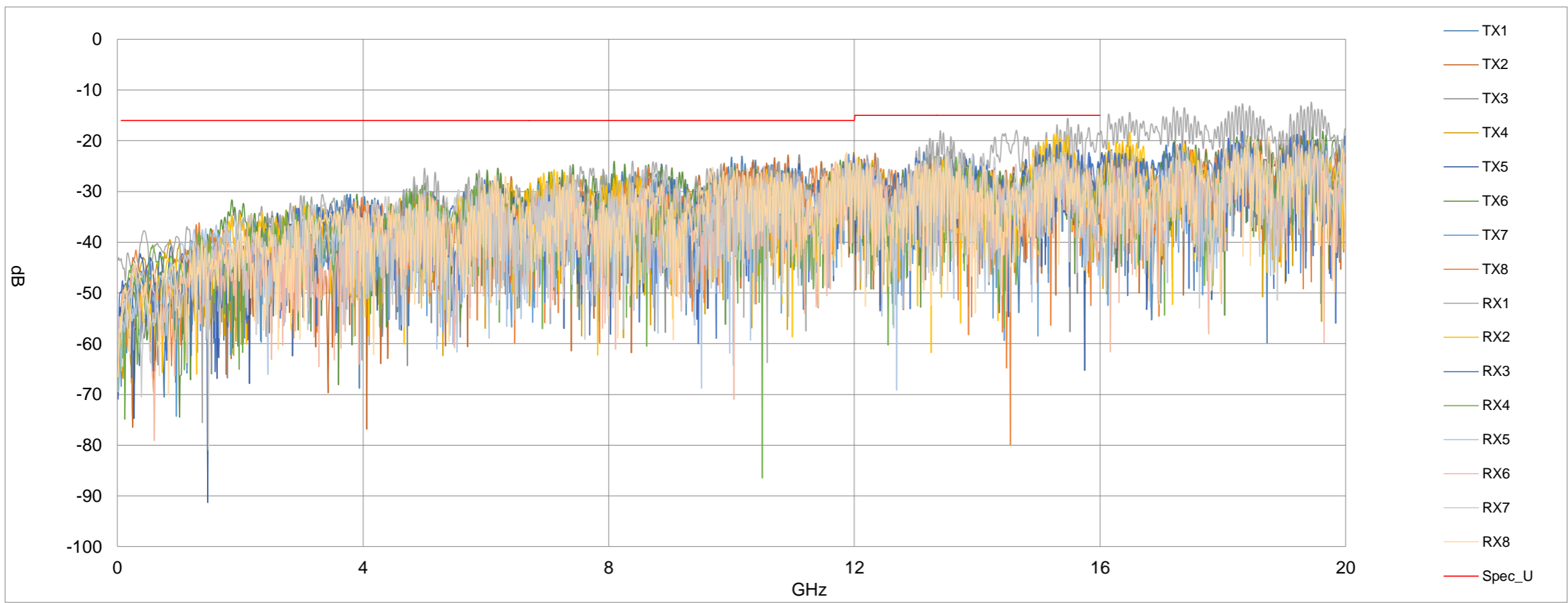
5). TDD22



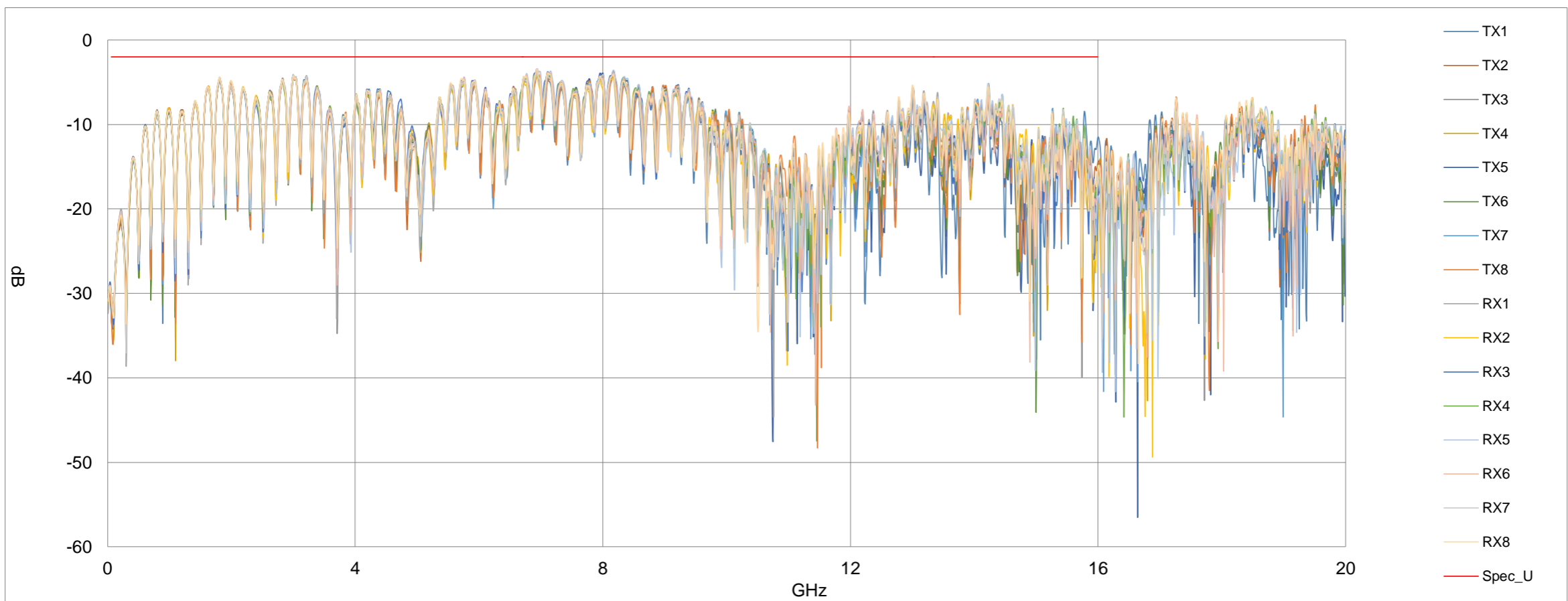
6). SCD11



7). SCD22



8). SCC11



9). SCC22

